

6GHz -18GHz Planar Helical Antenna

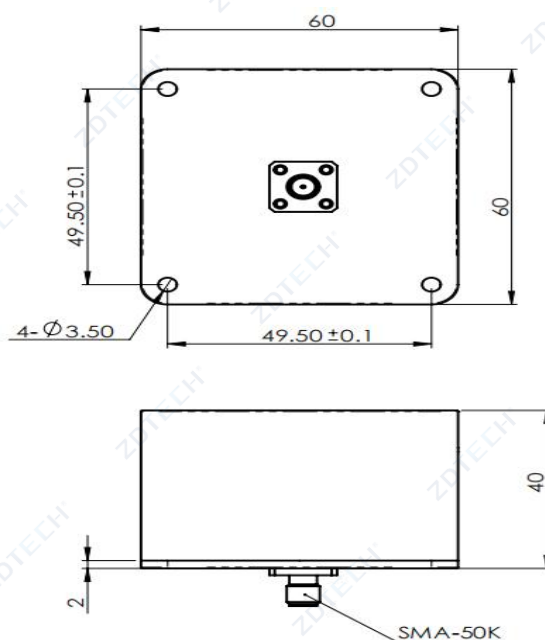
Module: ZD60180-45



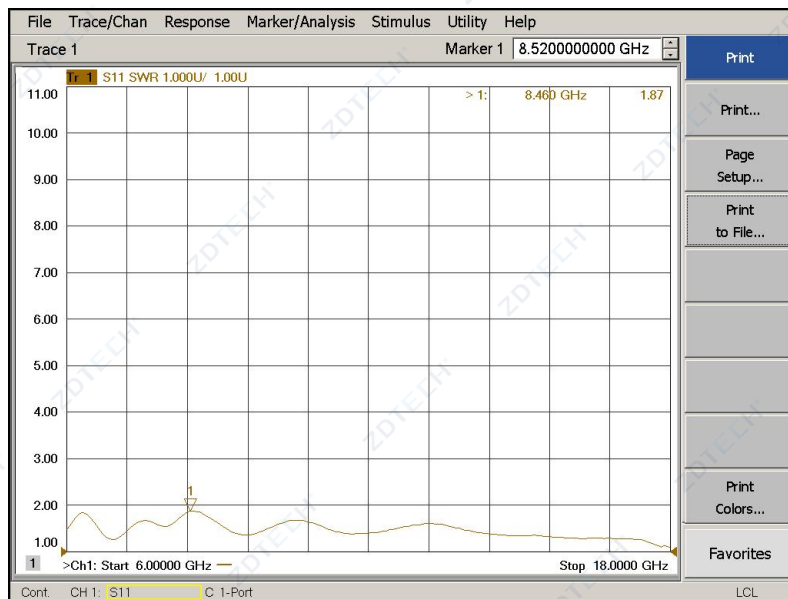
1. Technical Index

Operating Frequency	6-18(GHz)
Standing Wave	≤2.5
Polarization	Right-hand circular polarization
Gain within ±45° in azimuth	≥-3dBi
Gain within ±45° in Elevation	≥-3dB
Operating Temperature	-90°C to +55°C
Storage Temperature	-90°C to +70°C
Connectors	SMA-50K
Dimensions	L60mm × W60mm × H40mm (±2mm)
Color	Military Green
Material	Aluminum alloy
Weight	≤200g

2. Dimensions (Unit: mm)



3. Standing Wave

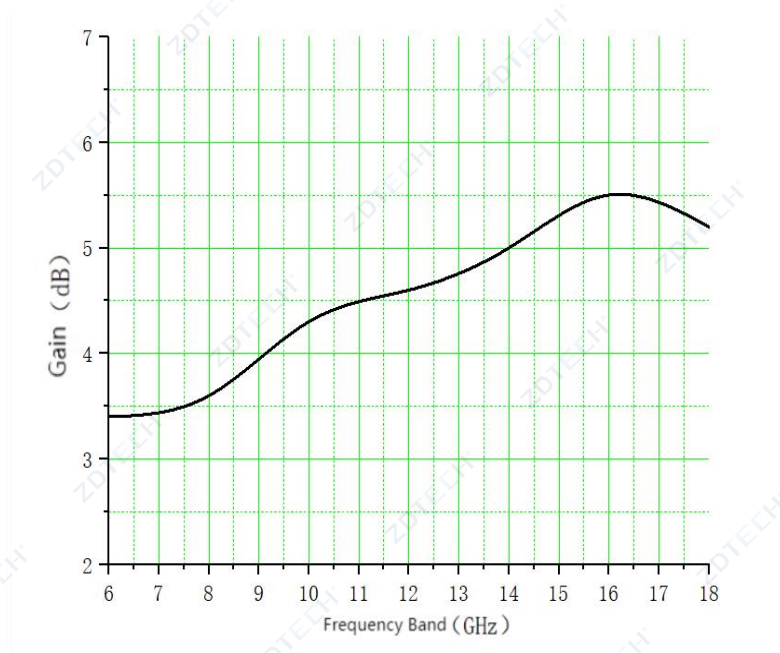


4. Beamwidth

Operating Frequency (GHz)	3dB beamwidth(°)
6.0	64
8.0	73
10.0	65
12.0	69
14.0	72
16.0	51
18.0	73

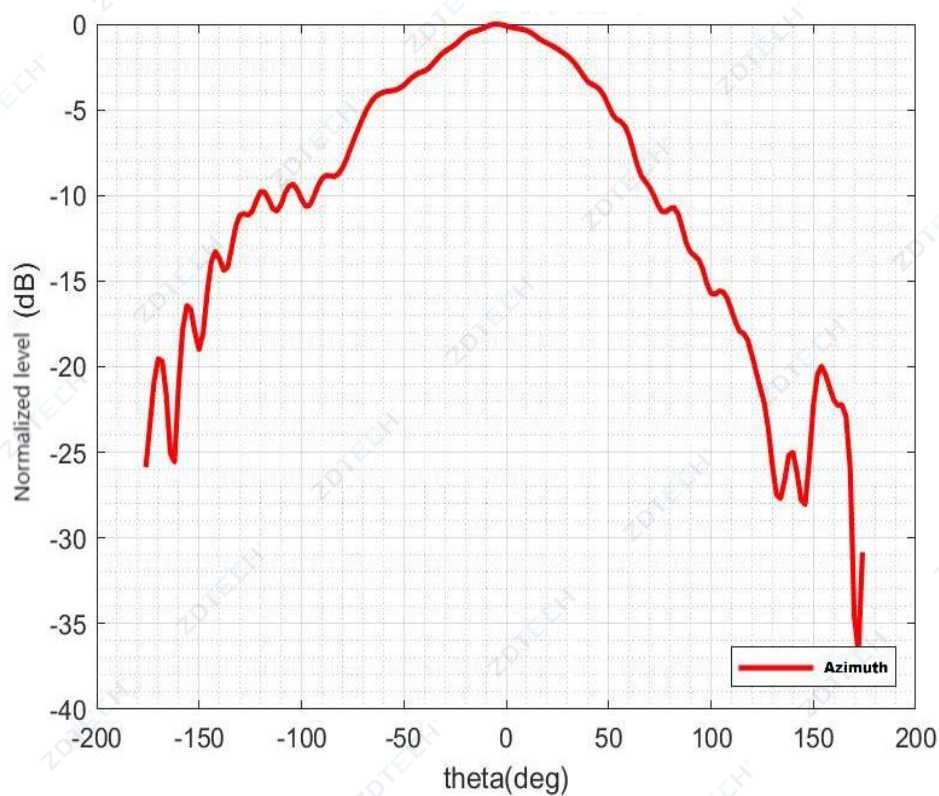
5. Gain Curve

6-18GHz Helical Antenna Gain Curve

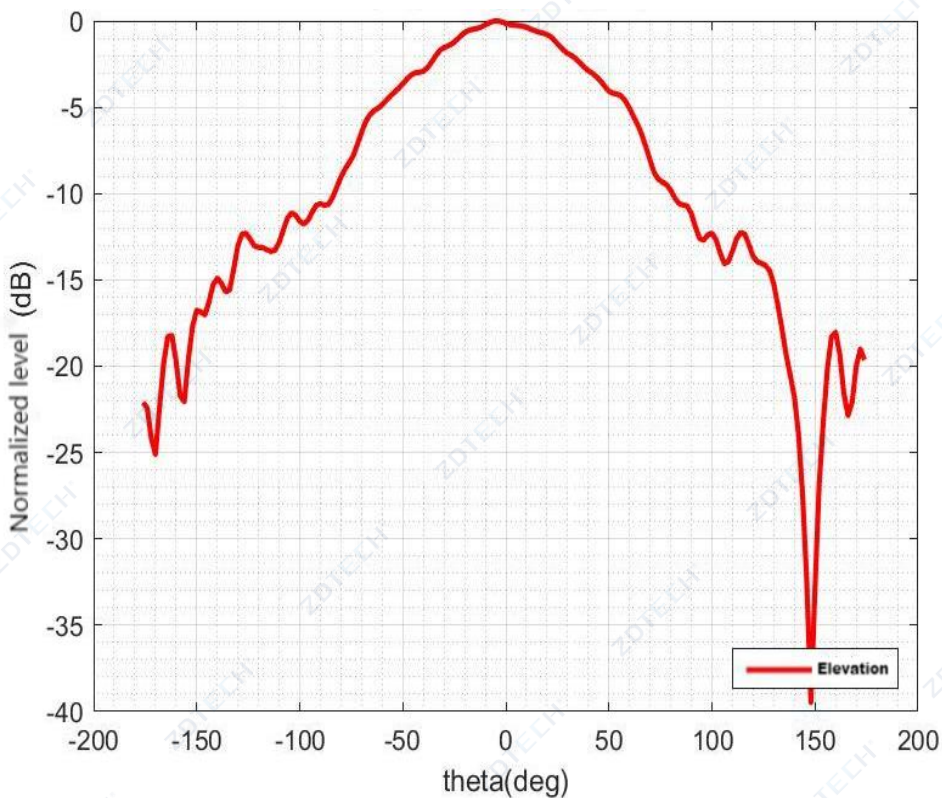


6. Typical Directional Pattern

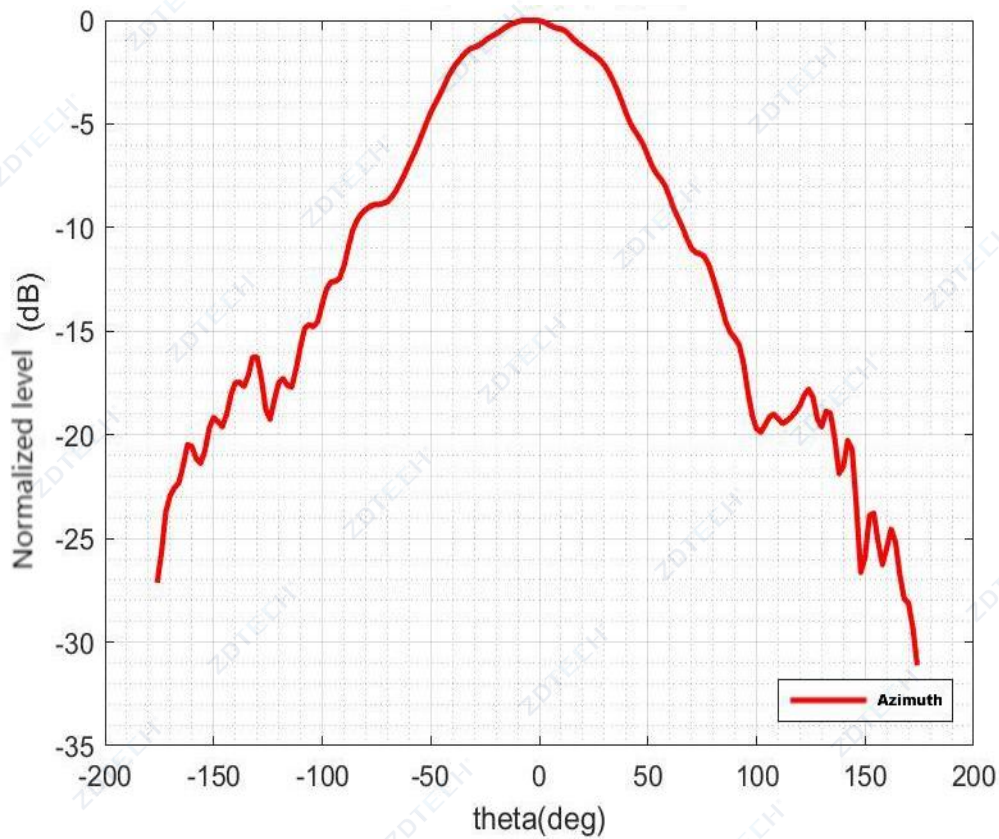
6GHz Directional Pattern



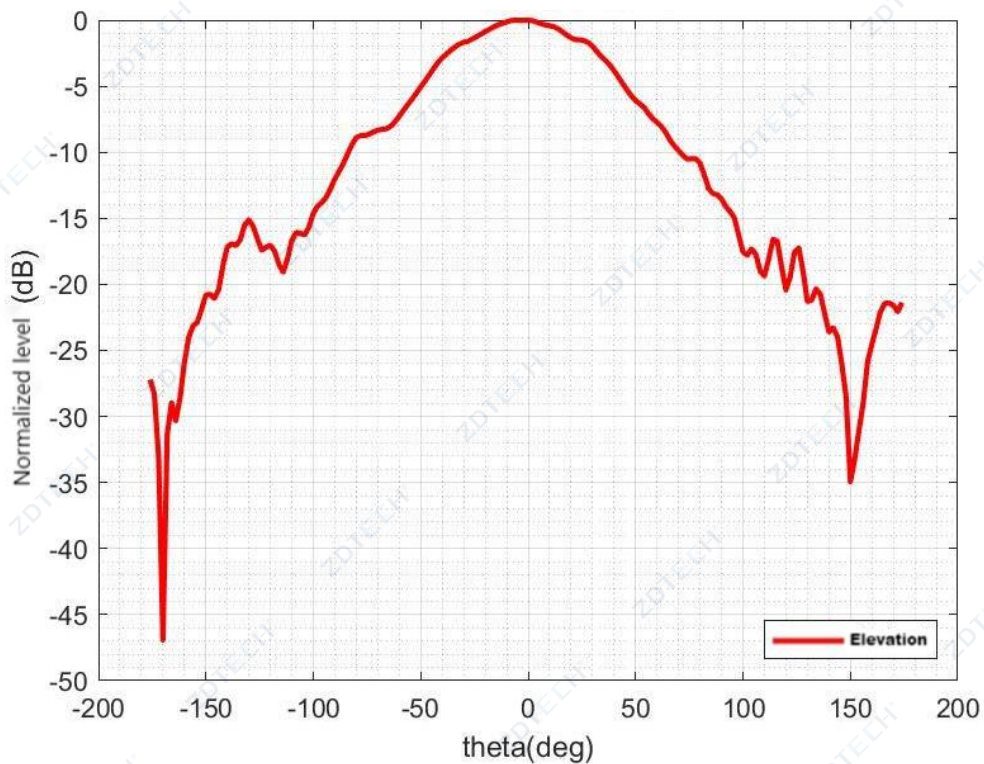
6GHz Directional Pattern



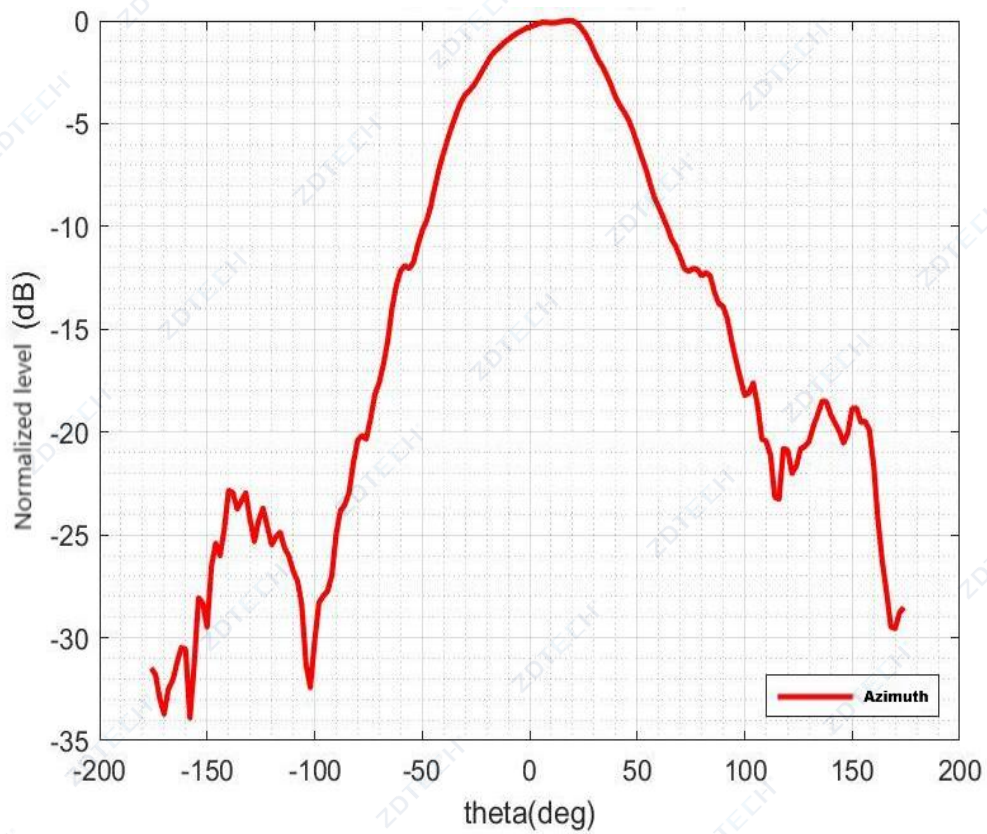
8GHz Directional Pattern



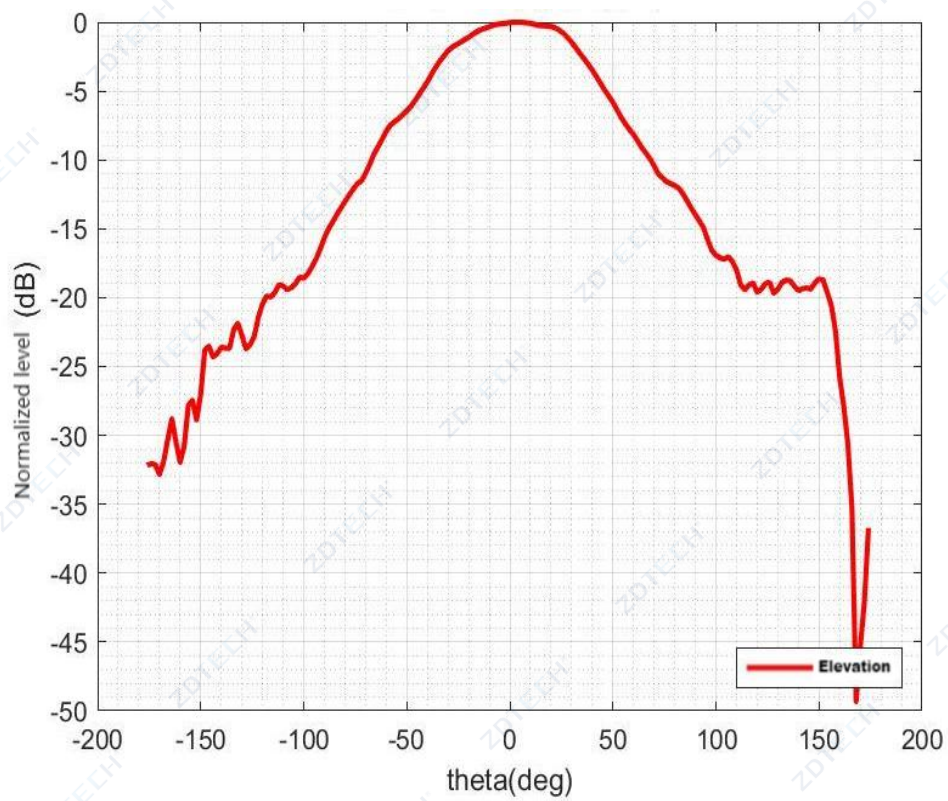
8GHz Directional Pattern



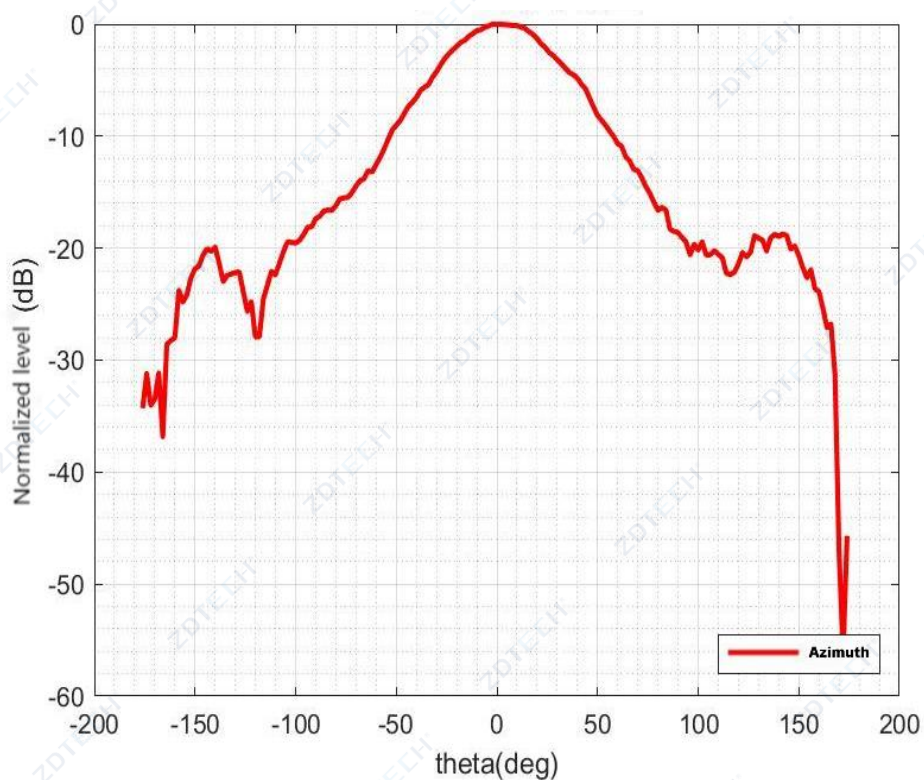
10GHz Directional Pattern



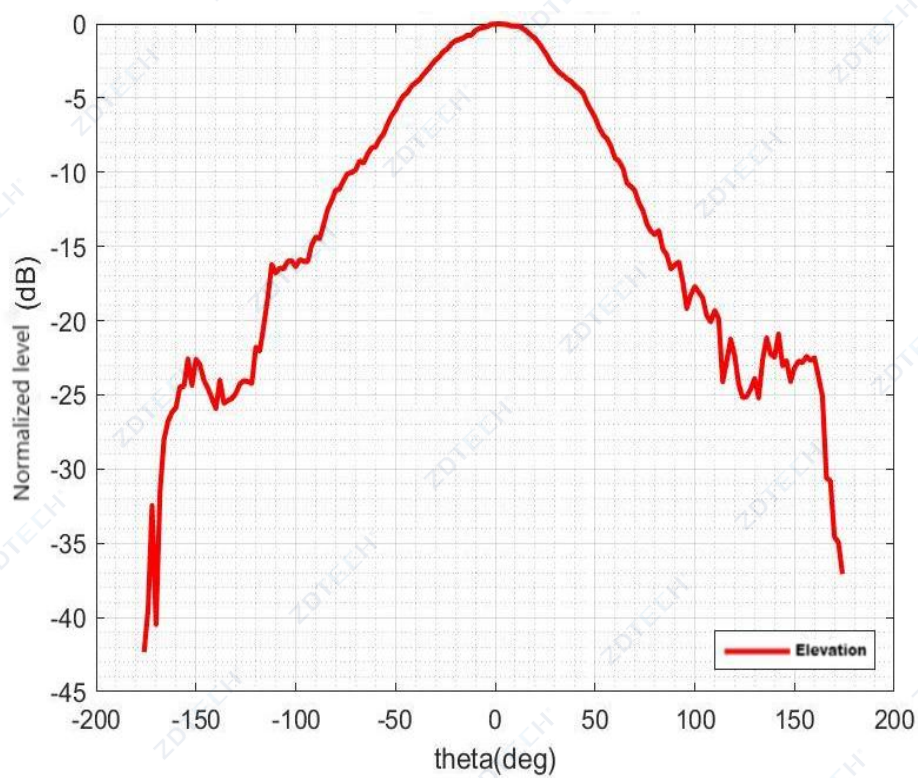
10GHz Directional Pattern



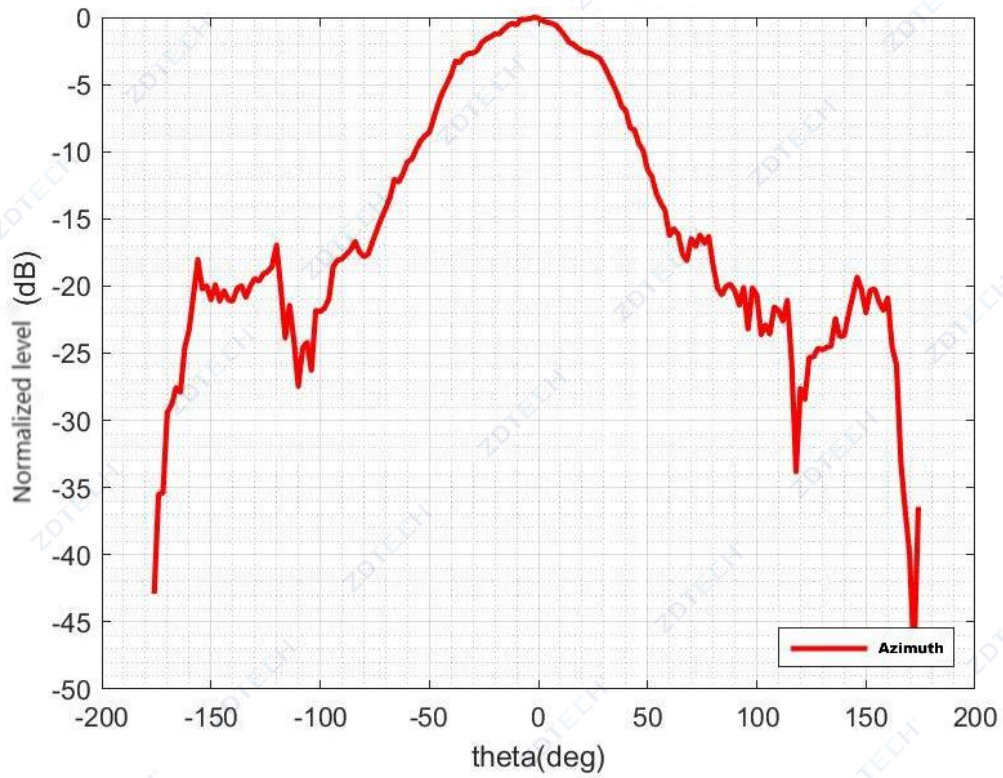
12GHz Directional Pattern



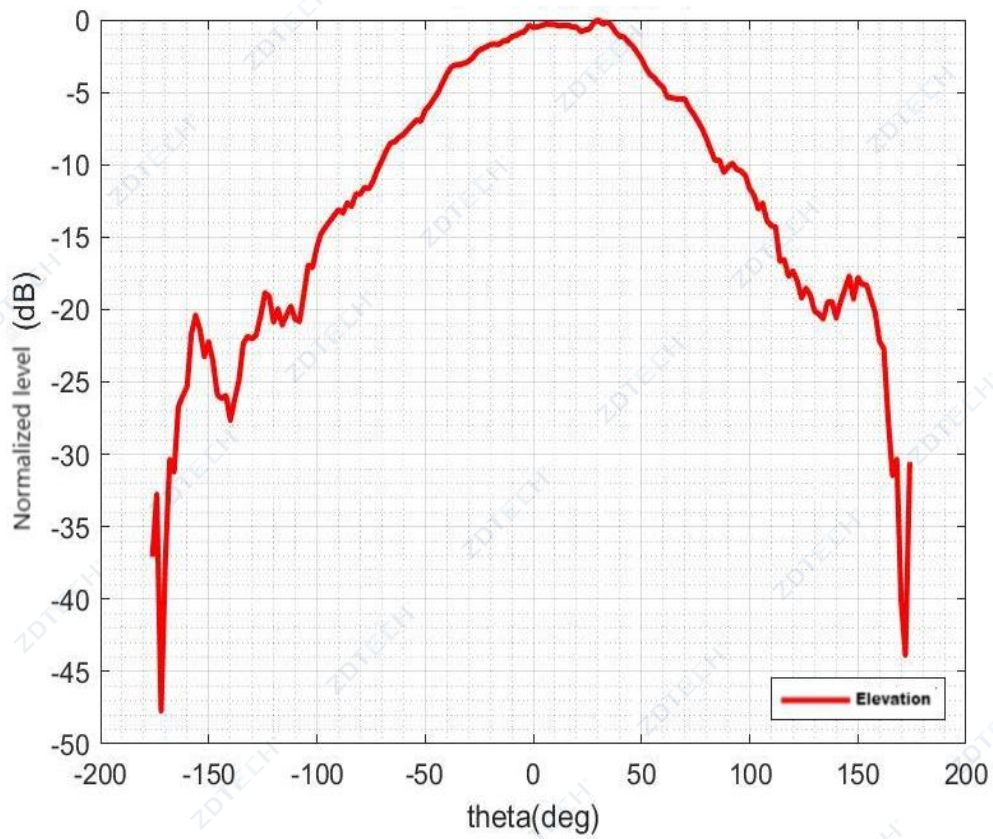
12GHz Directional Pattern



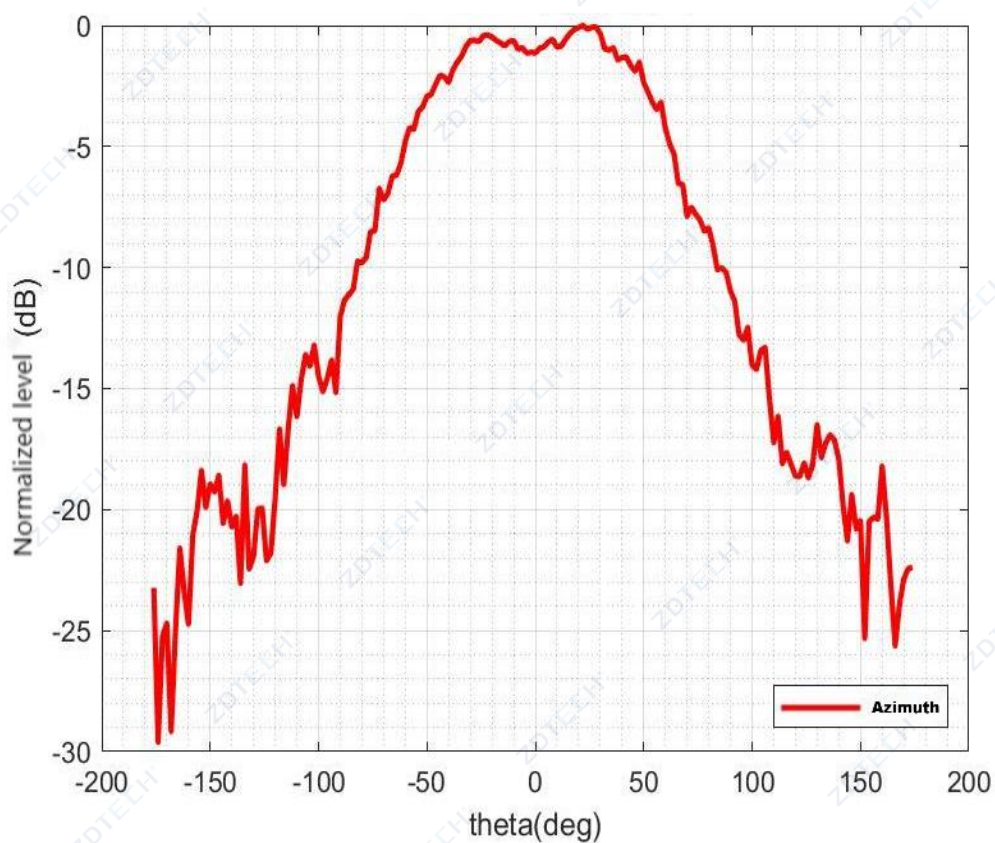
14GHz Directional Pattern



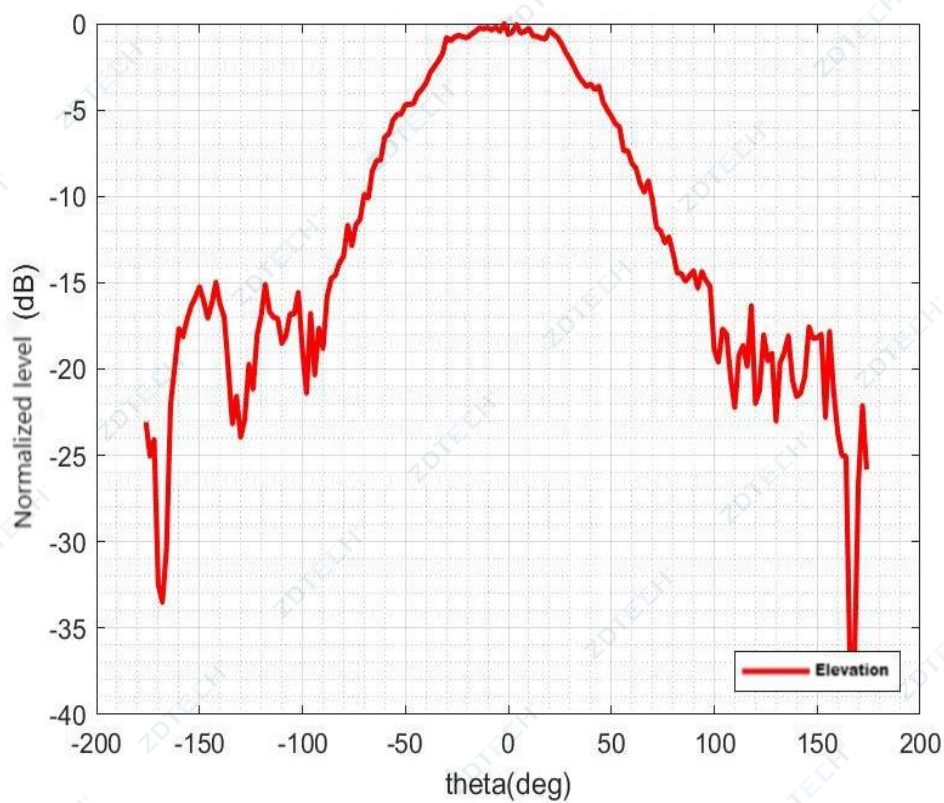
14GHz Directional Pattern



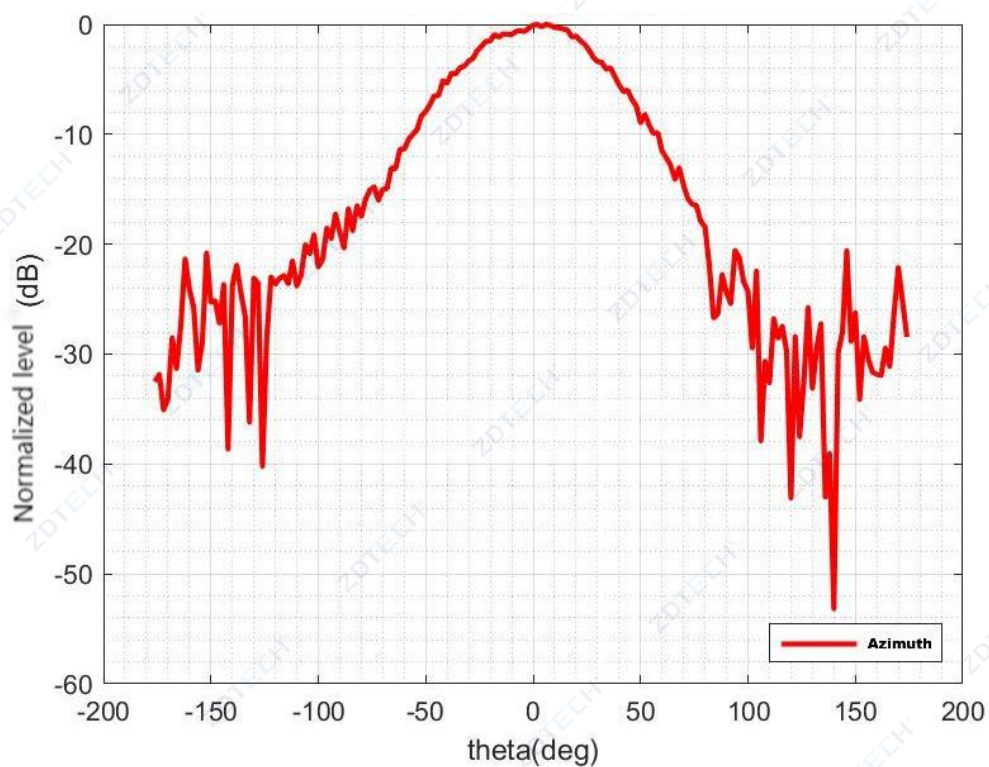
16GHz Directional Pattern



16GHz Directional Pattern



18GHz Directional Pattern



18GHz Directional Pattern

