

0.38GHz -2GHz Planar Helical Antenna

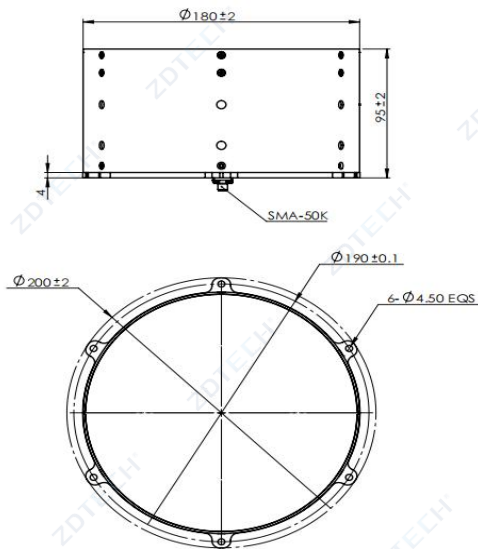
Module: ZD03820/45



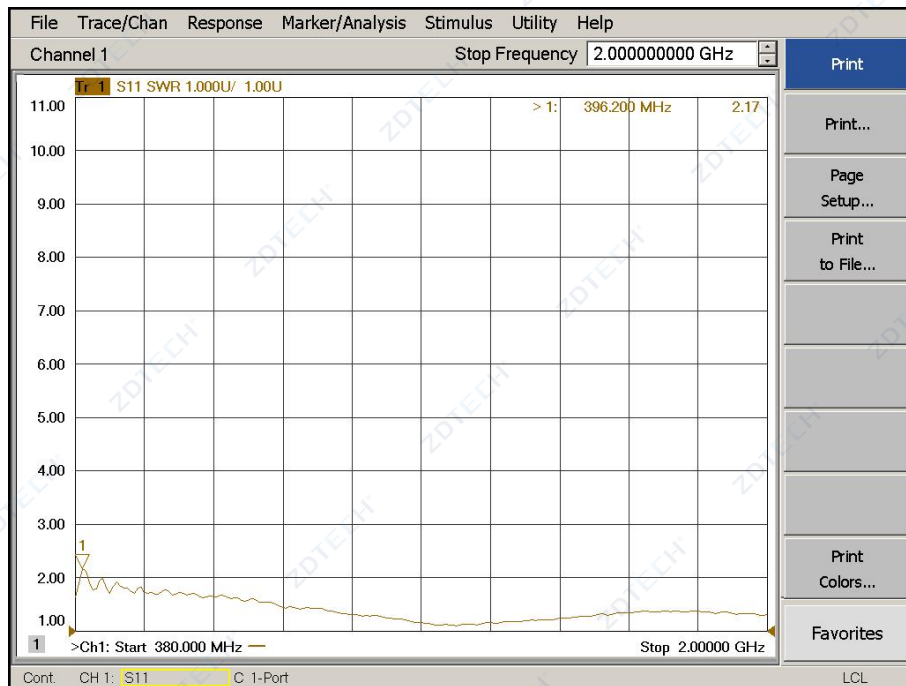
1. Technical Index

Operating Frequency	0.38-2(GHz)
Standing wave	≤2.5
Polarization	Right-hand circular polarization
Gain within ±45° in azimuth	≥-13dBi
Gain within ±45° in Elevation	≥-13dBi
Operating Temperature	-90°C to +55°C
Storage Temperature	-90°C to +70°C
Connectors	SMA-K
Dimensions	L180mm×W180mm×H95mm(±2mm) (Excluding socket and mounting structure)
Color	Military Green
Material	Aluminum alloy
Weight	≤650g

2. Dimensions (Unit: mm)



3. Standing wave

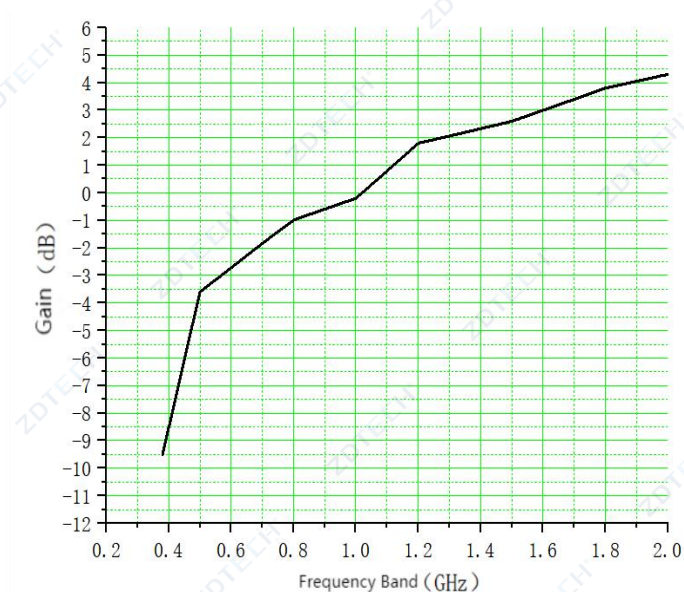


4. Beamwidth

Operating Frequency (GHz)	3dB Beamwidth(°)
0.38	106
0.80	96
1.00	84
1.50	72
1.80	66
2.00	62

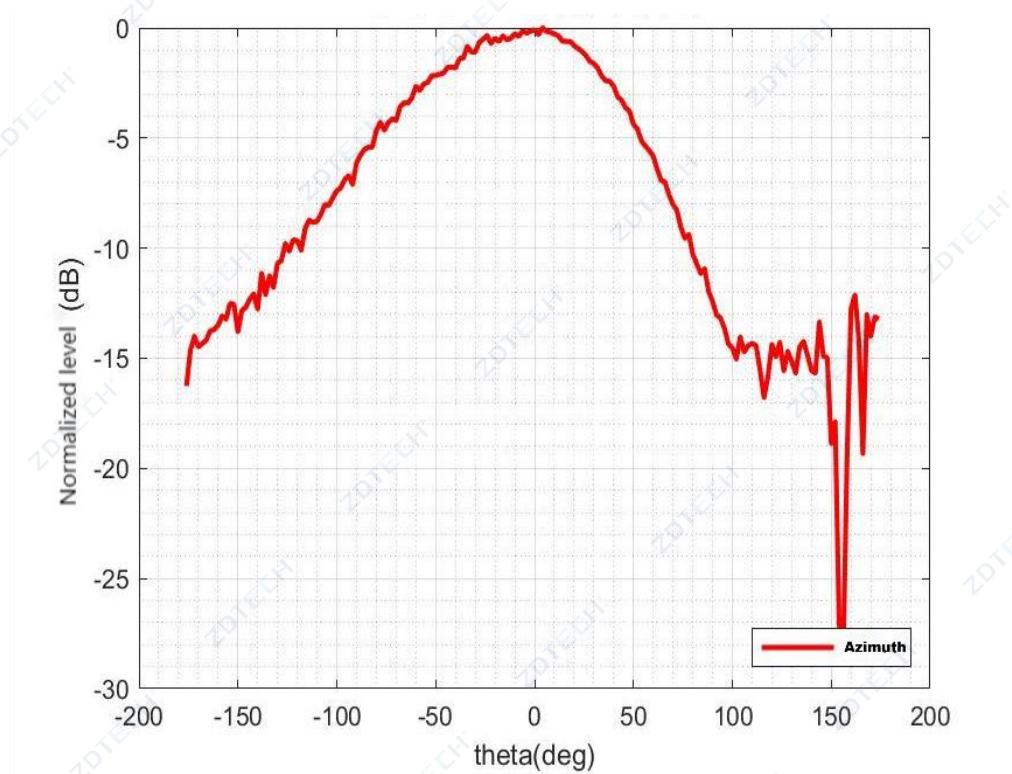
5. Gain Curve

0.38-2GHz Helical Antenna Gain Curve

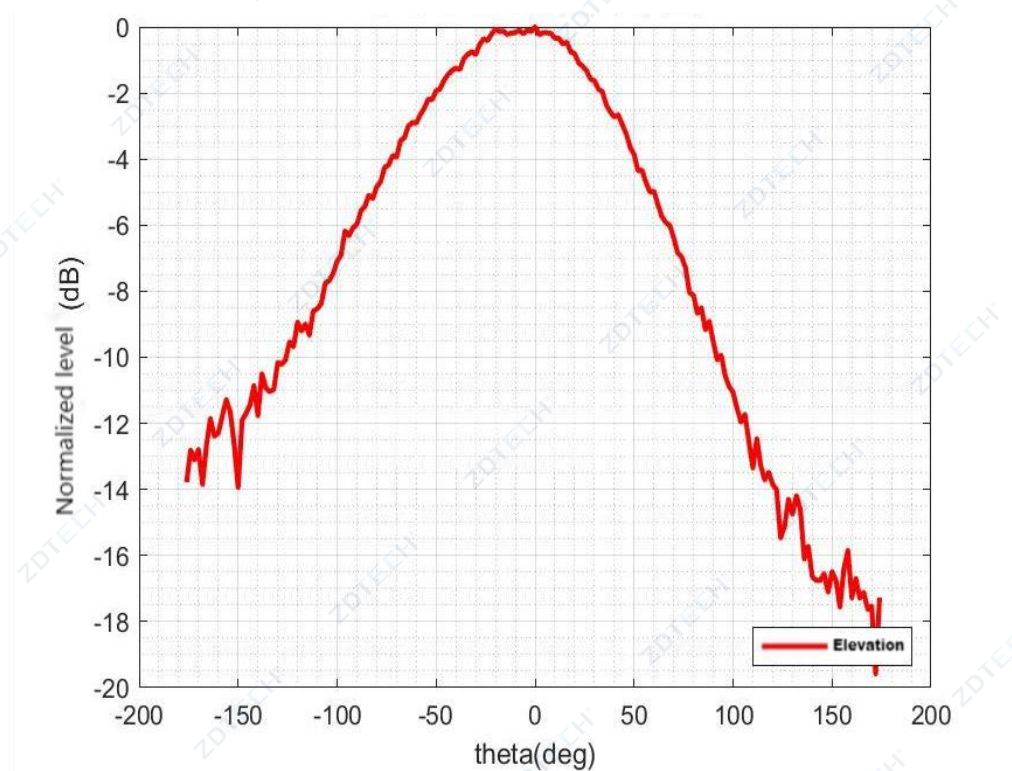


6. Typical Directional Pattern

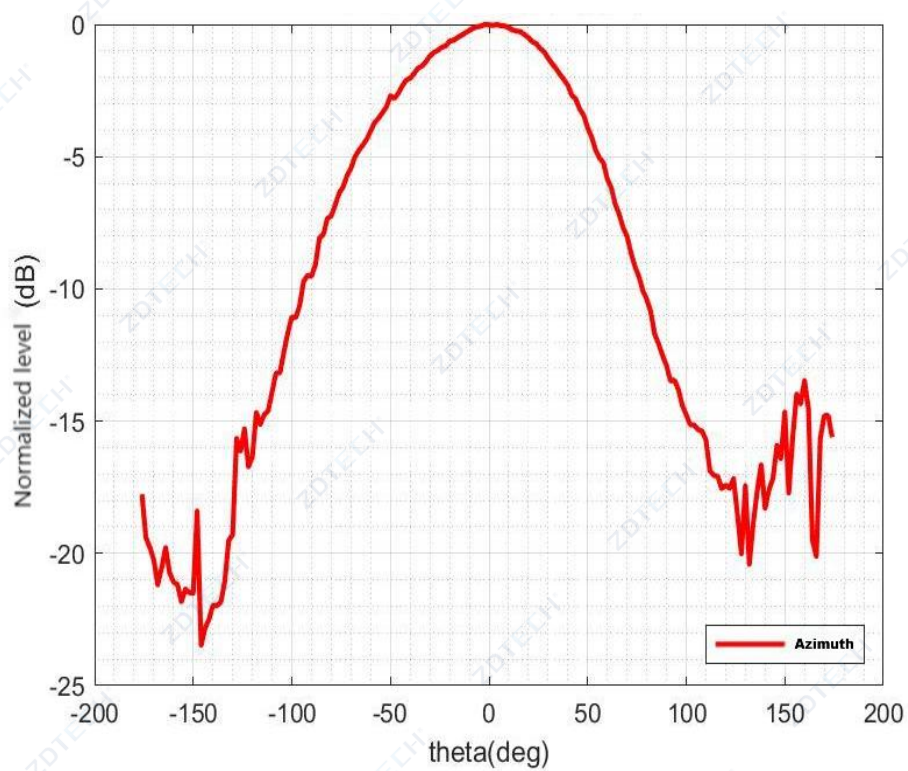
0.38GHz Directional Pattern



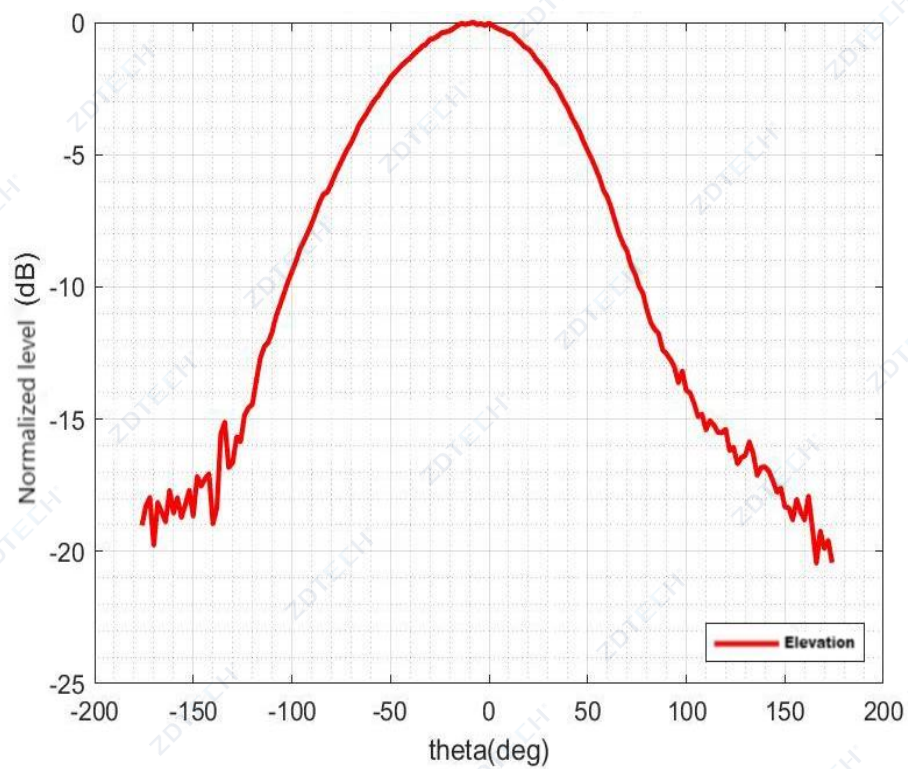
0.38GHz Directional Pattern



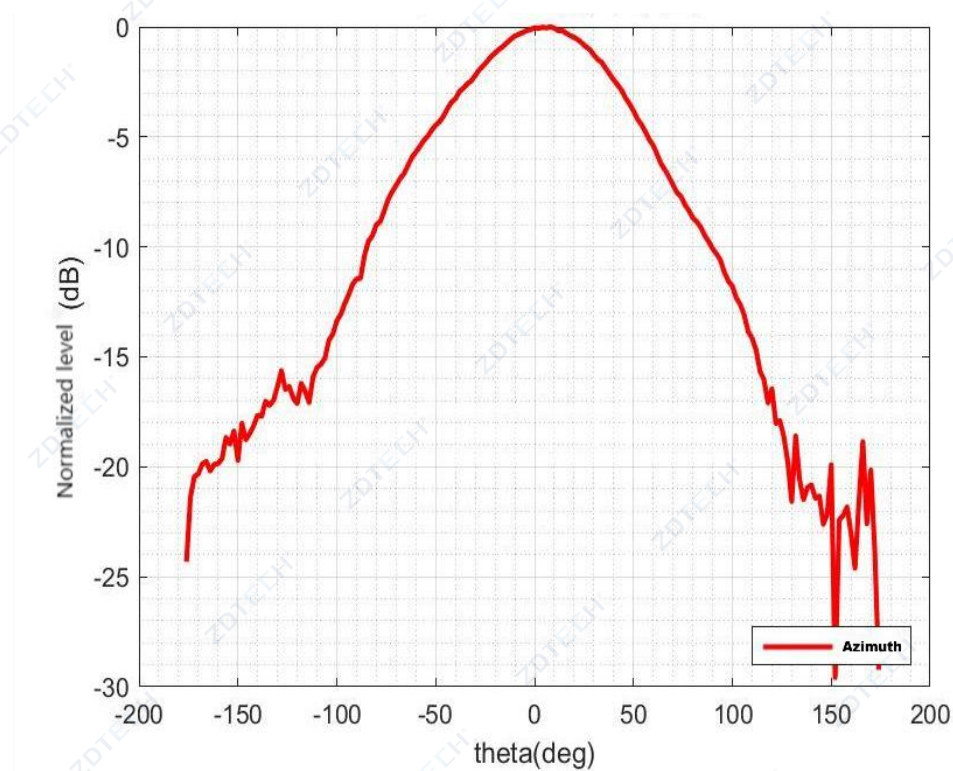
0.8GHz Directional Pattern



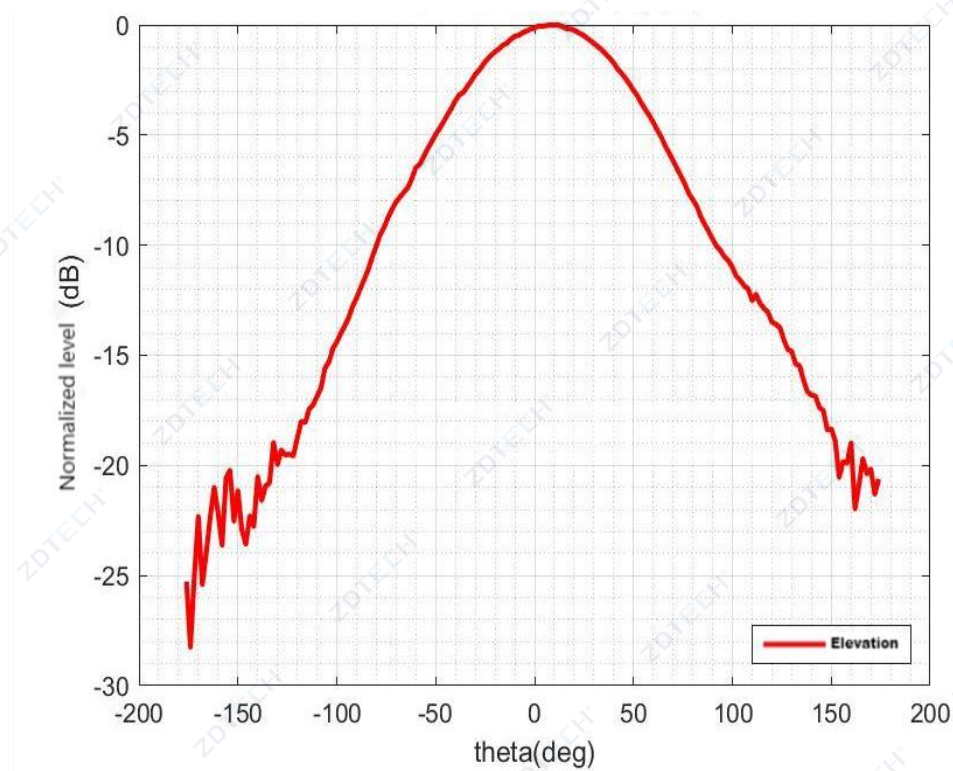
0.8GHz Directional Pattern



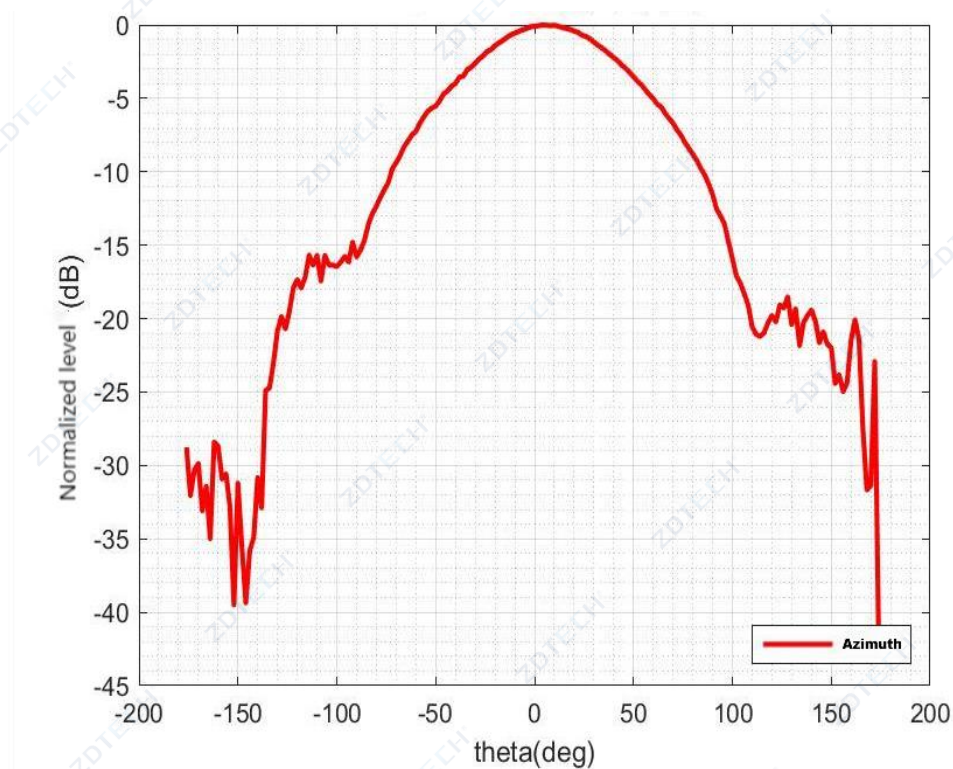
1.04GHz Directional Pattern



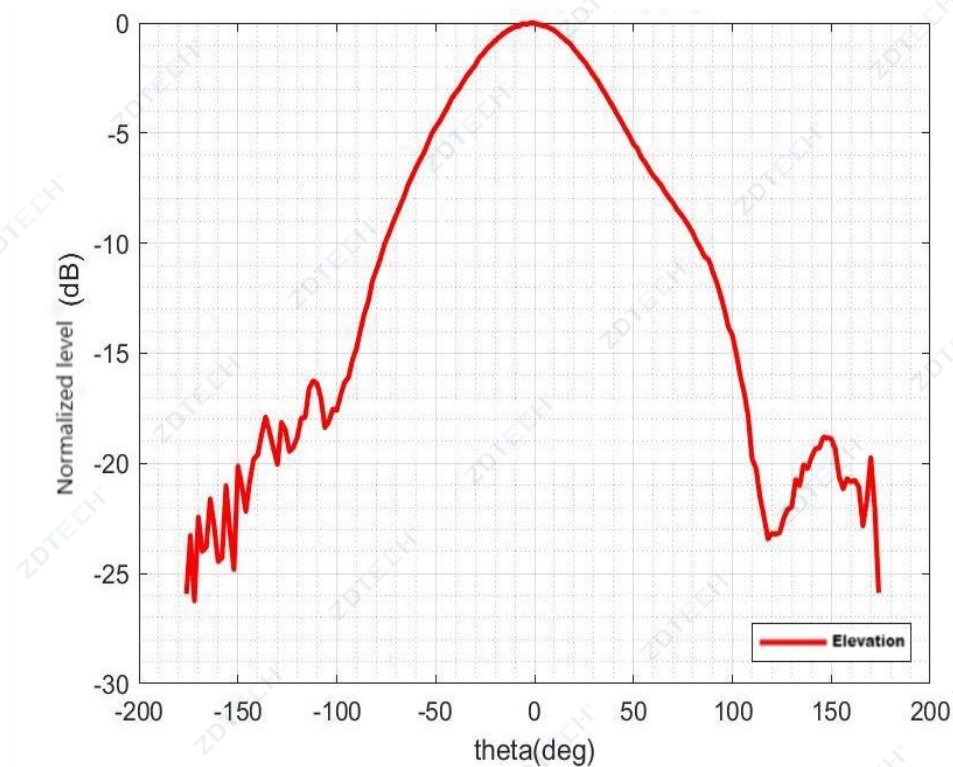
1.04GHz Directional Pattern



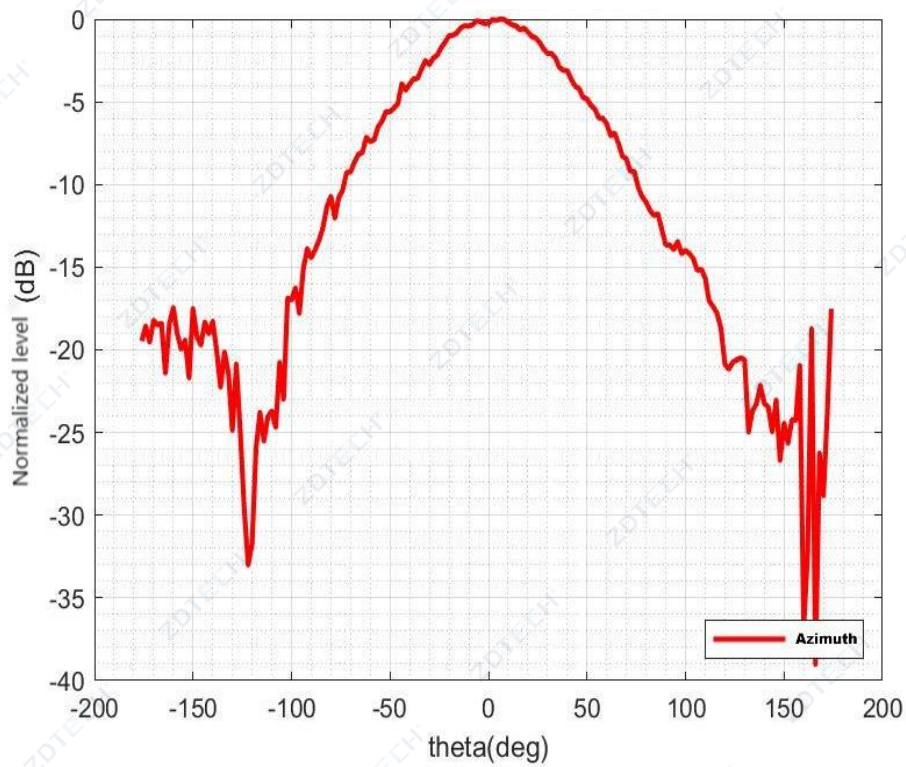
1.52GHz Directional Pattern



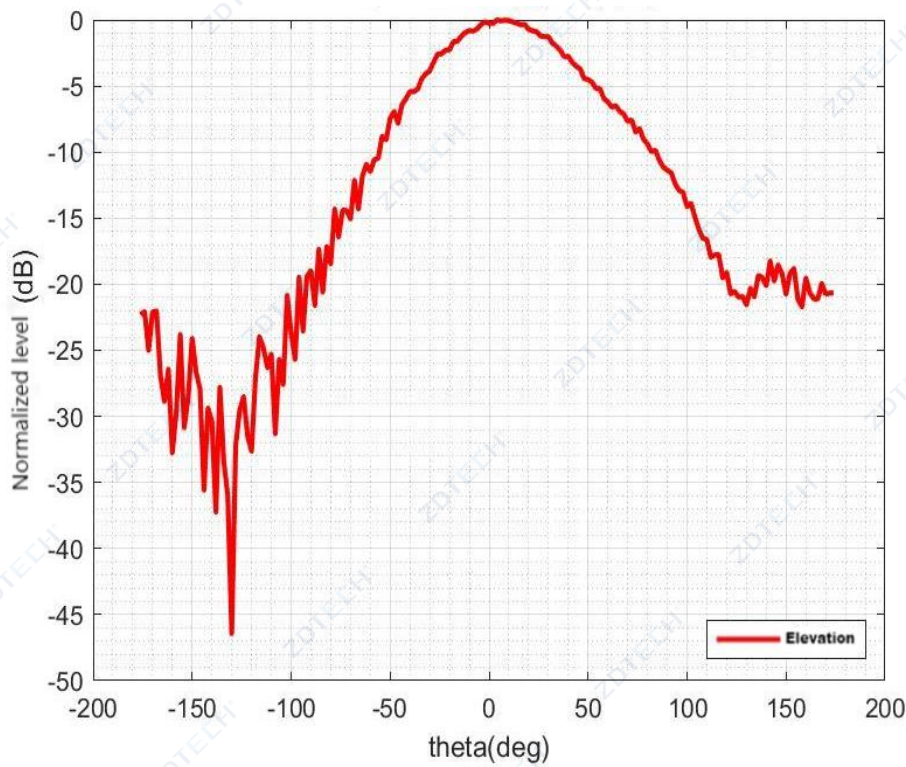
1.52GHz Directional Pattern



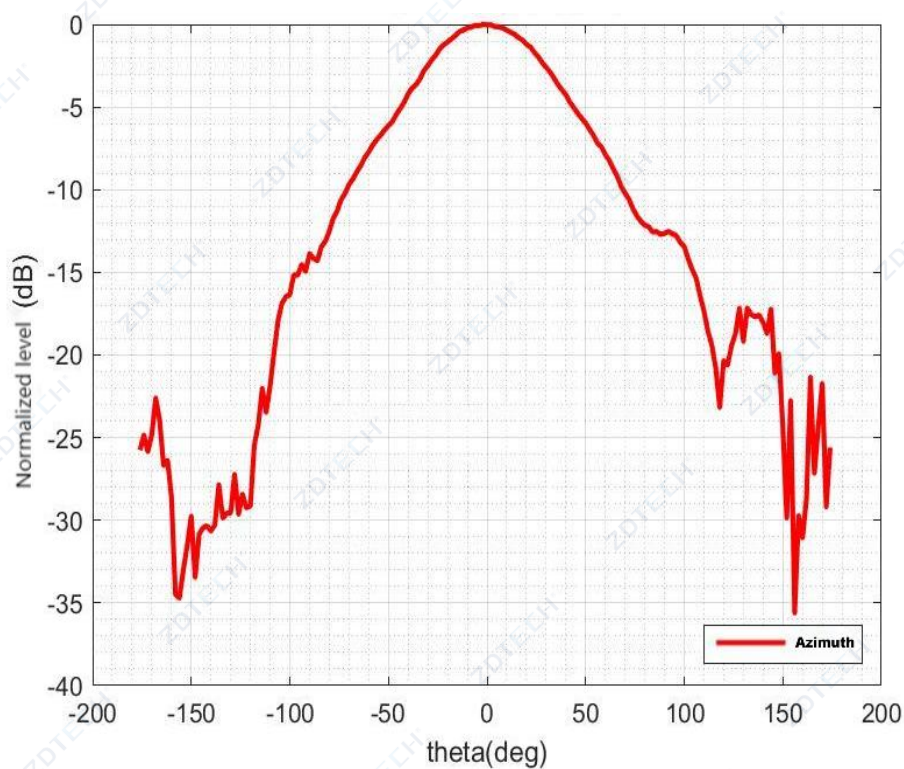
1.82GHz Directional Pattern



1.82GHz Directional Pattern



2GHz Directional Pattern



2GHz Directional Pattern

