

8GHz -18GHz Horn Antenna

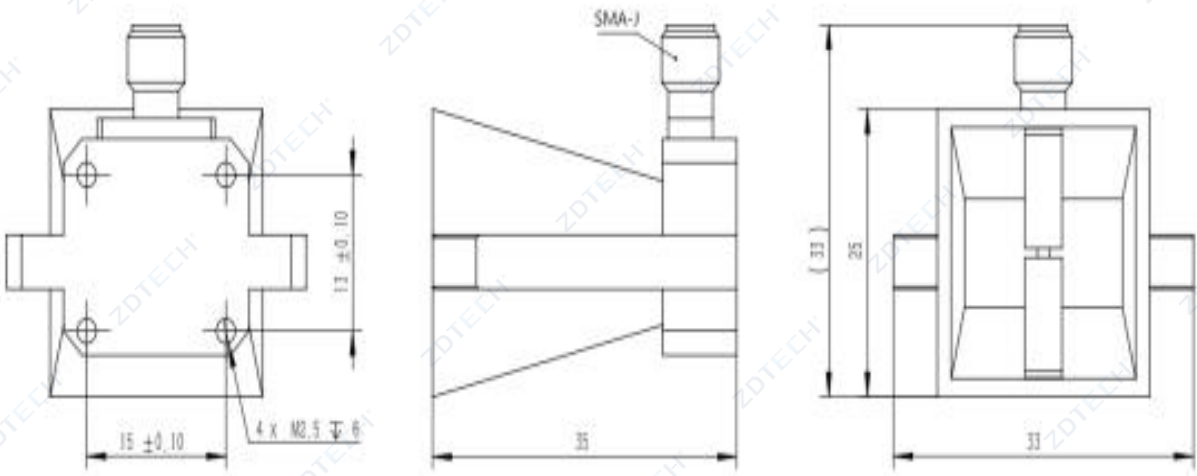
Model: ZD8018



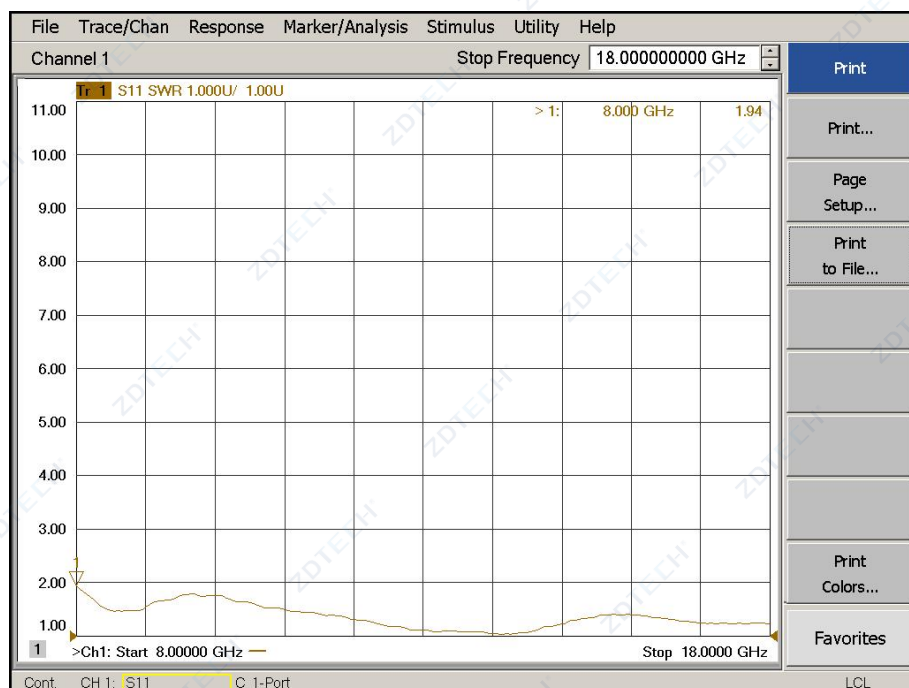
1. Technical Index

Operating Frequency (GHz)	8-18
VSWR	≤ 2.0
Gain	≥ 6dBi
Polarization	Vertical polarization
Reference Dimensions	≤ 34mm × 33mm × 35mm (L × W × H)
Weight	≤ 30g
Operating Temperature	-55°C to +75°C
Storage Temperature	-65°C to +85°C
Interface	SMA-J
3dB Beamwidth	>60° ±20% (H-side)
Color	Black
Material	Aluminum alloy

2. Dimensions (Unit: mm)



3. VSWR

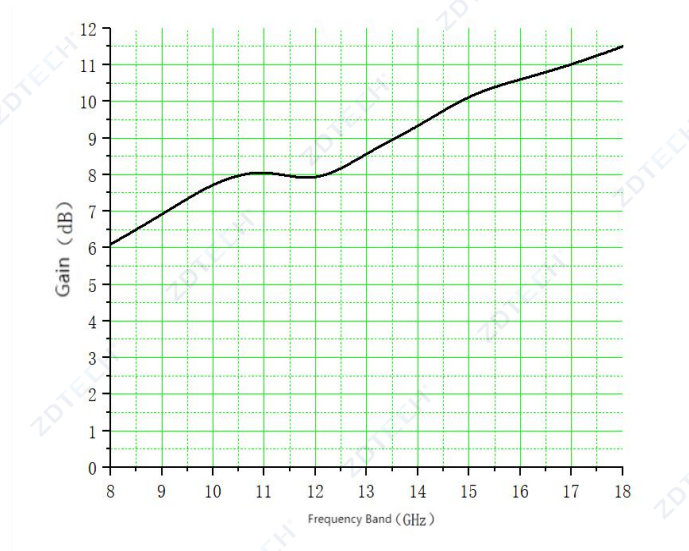


4. Beamwidth

Operating Frequency (GHz)	E-plane 3dB beamwidth(°)	H-plane 3dB beamwidth(°)
8	80.7	72.7
10	65.9	71.9
12	57.3	72.3
14	45.3	62.0
16	40.6	56.9
18	38.3	52.0

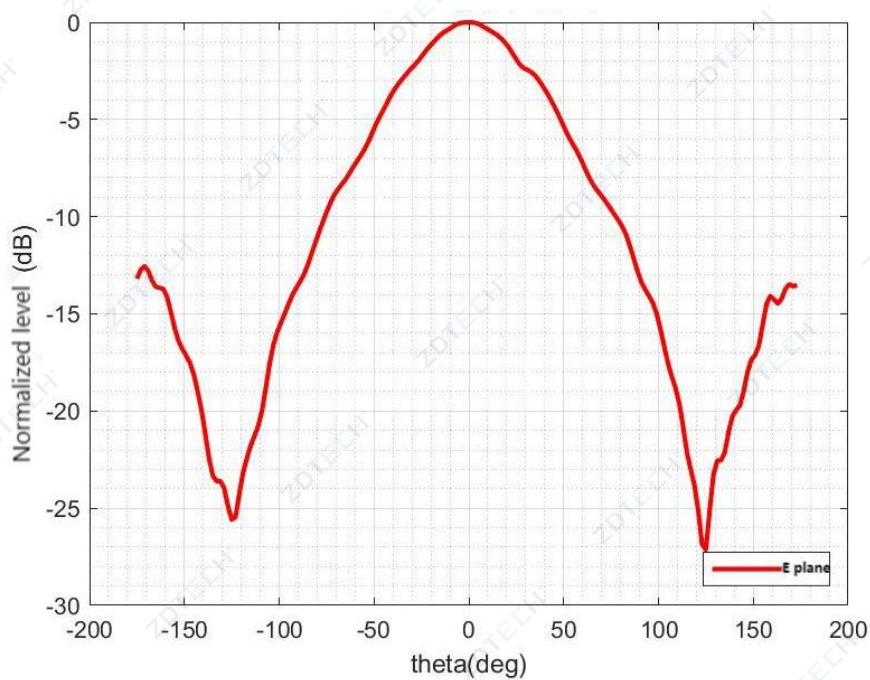
5. Gain Curve

8-18GHz Horn Antenna Gain Curve

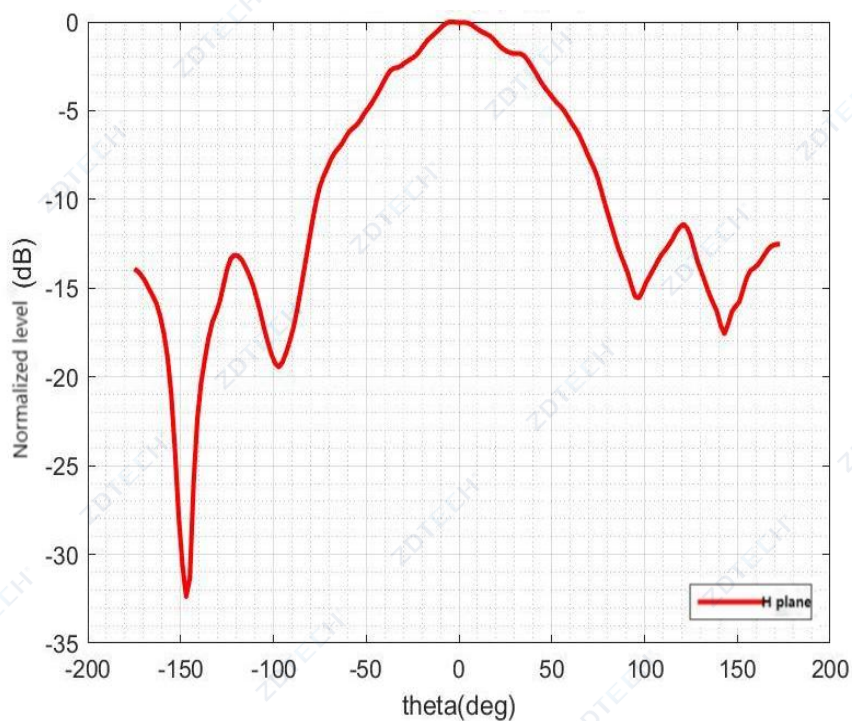


6. Typical Directional Pattern

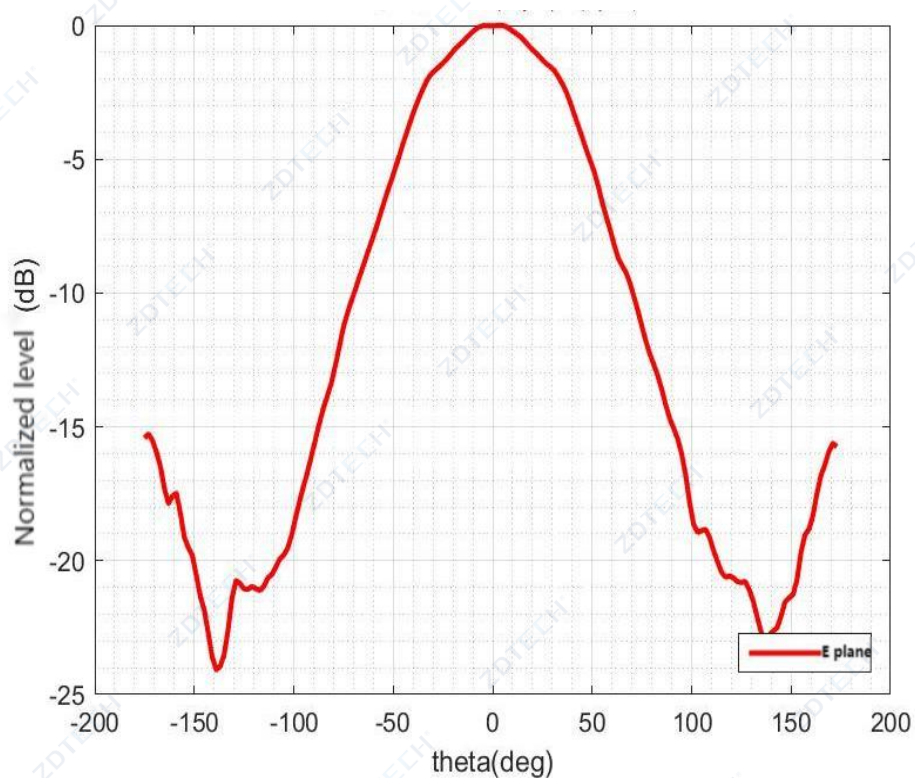
8GHz Directional pattern



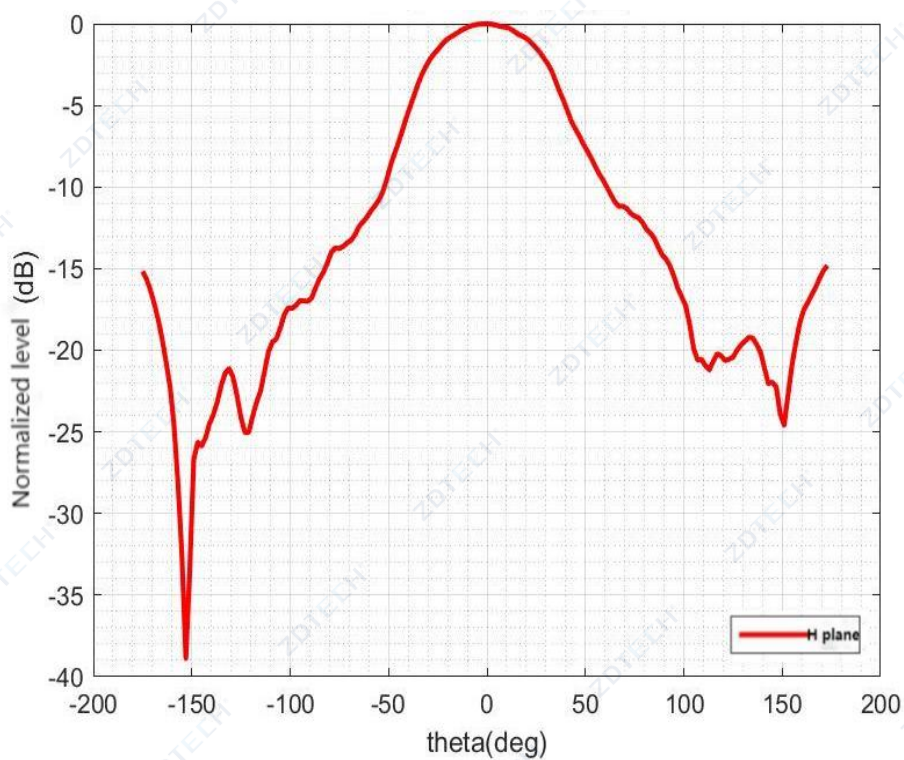
8GHz Directional pattern



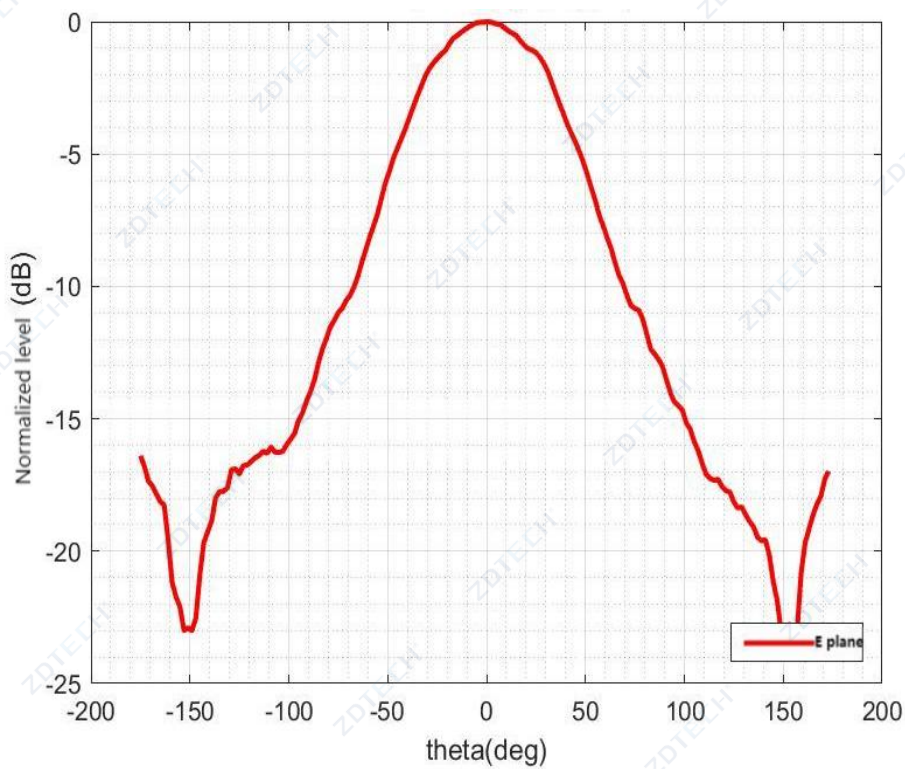
10GHz Directional pattern



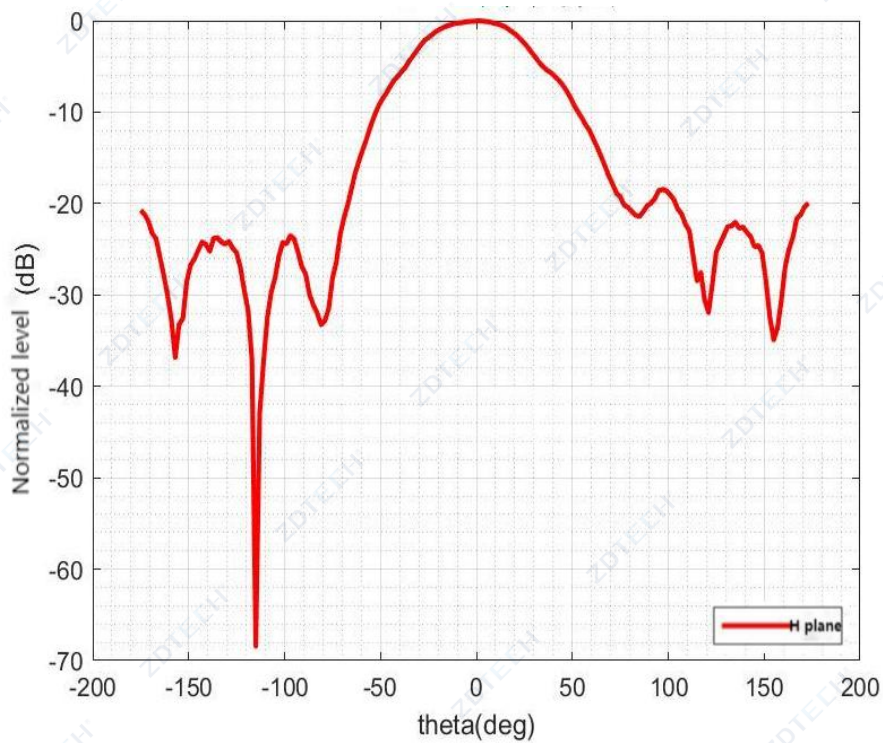
10GHz Directional pattern



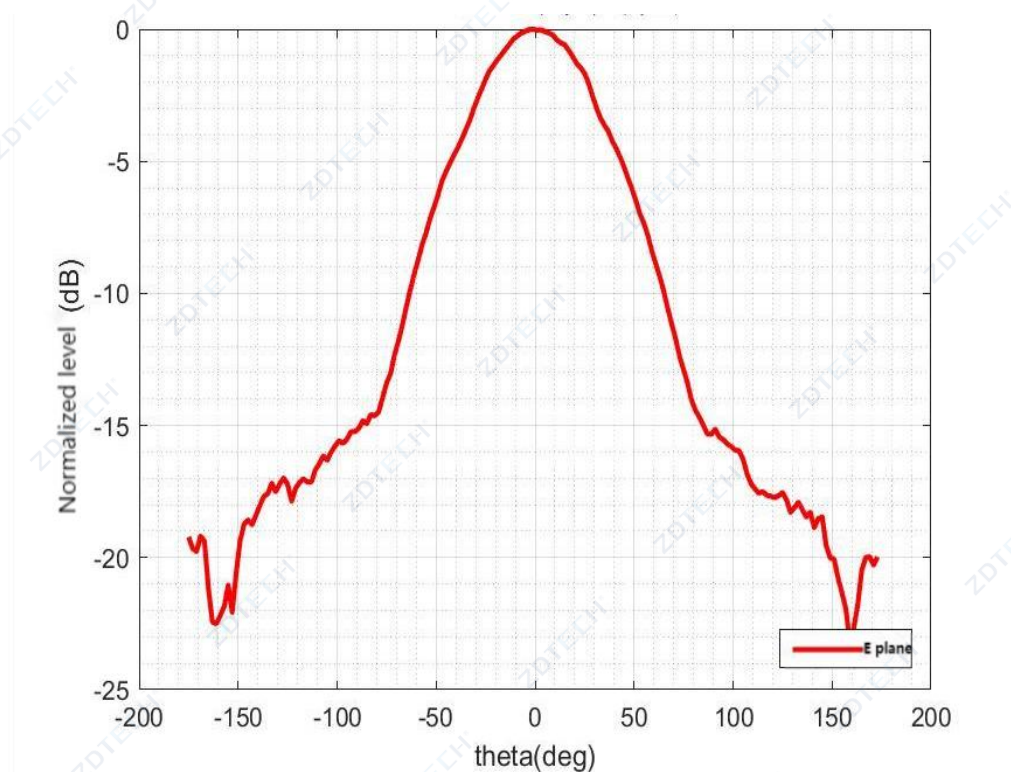
12GHz Directional pattern



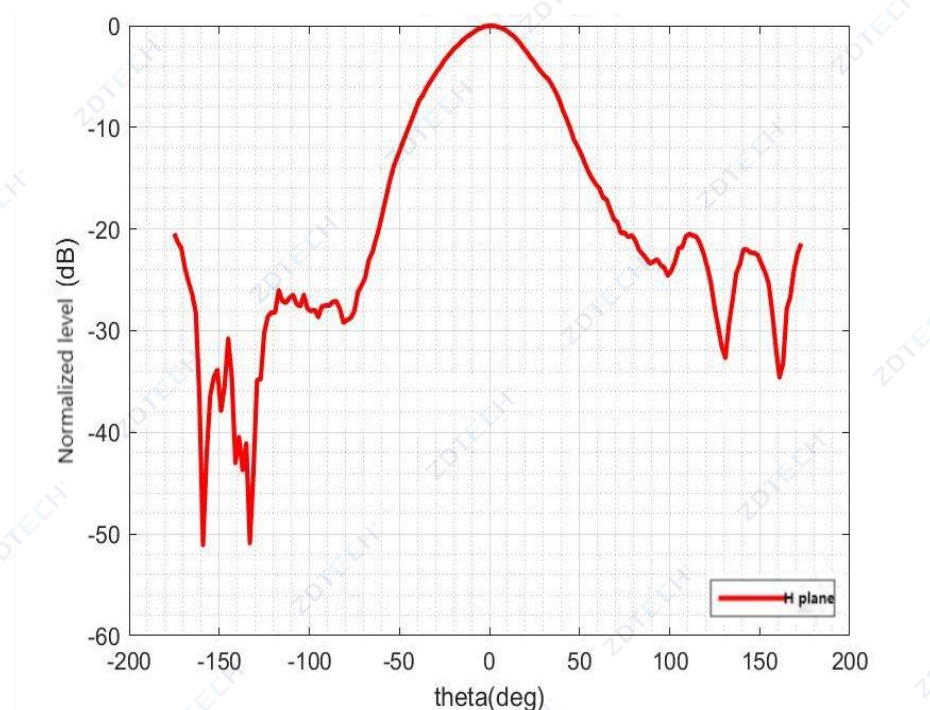
12GHz Directional pattern



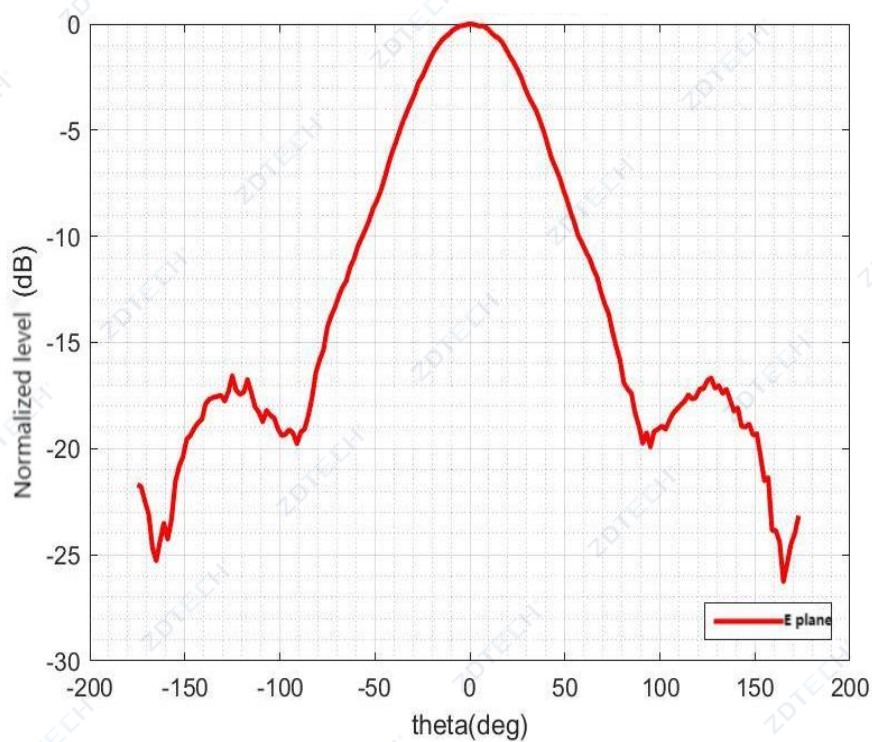
14GHz Directional pattern



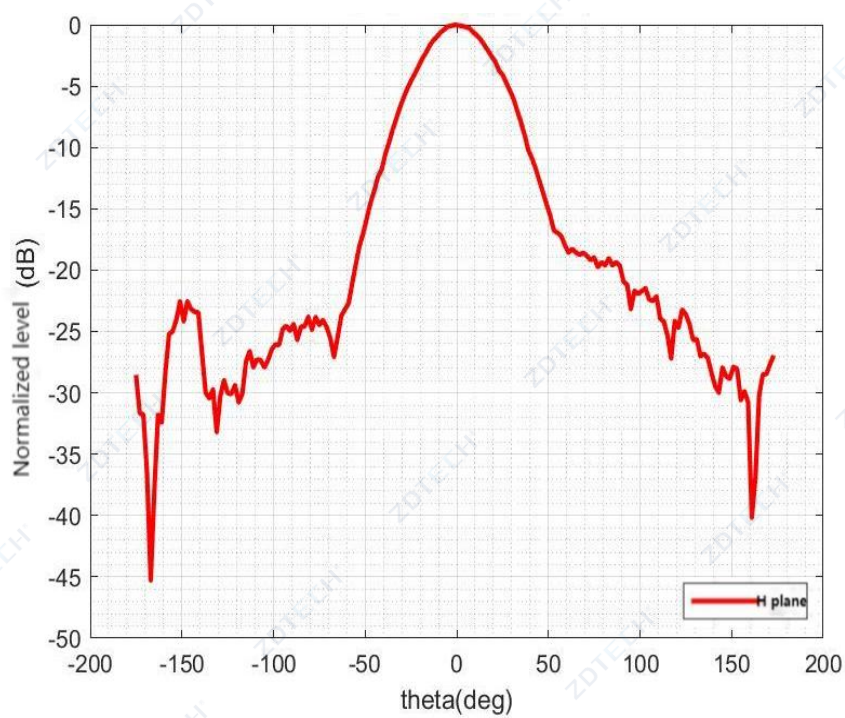
14 GHz Directional pattern



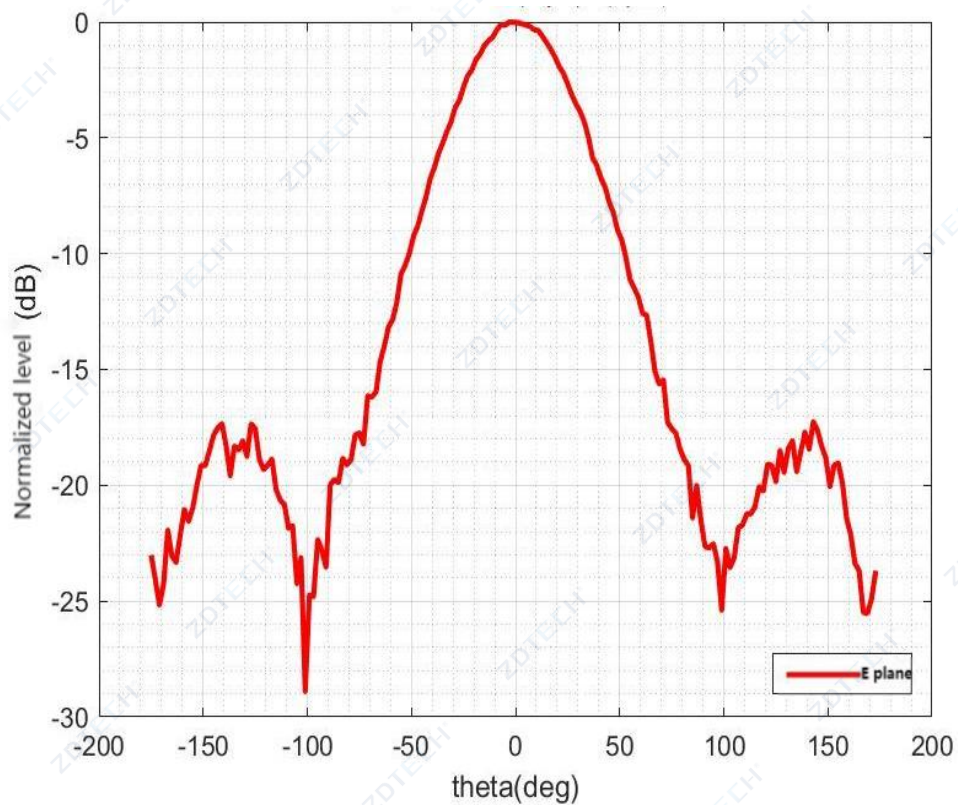
16GHz Directional pattern



16GHz Directional pattern



18GHz Directional pattern



18GHz Directional pattern

