

1GHz -18GHz Double Ridge Horn Antenna

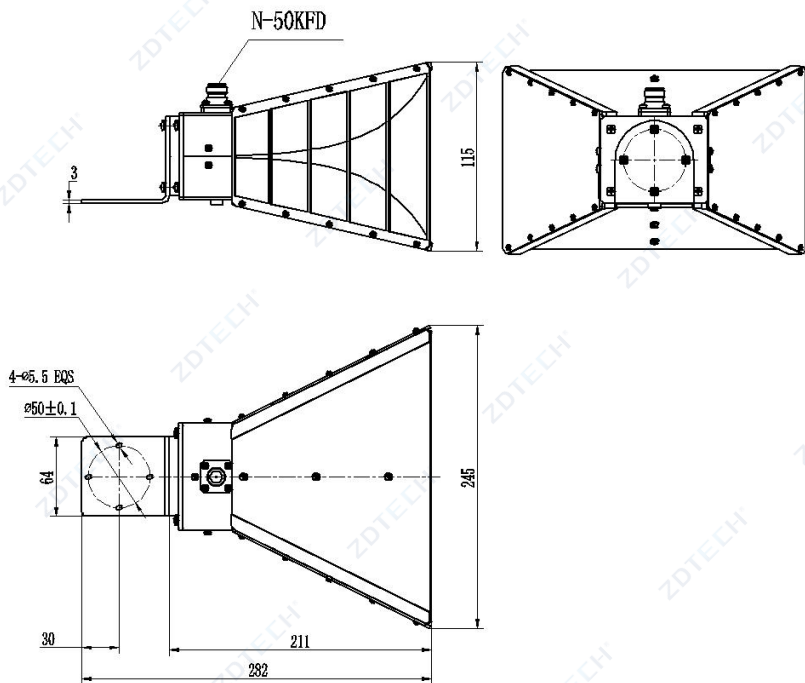
Model: ZD10180



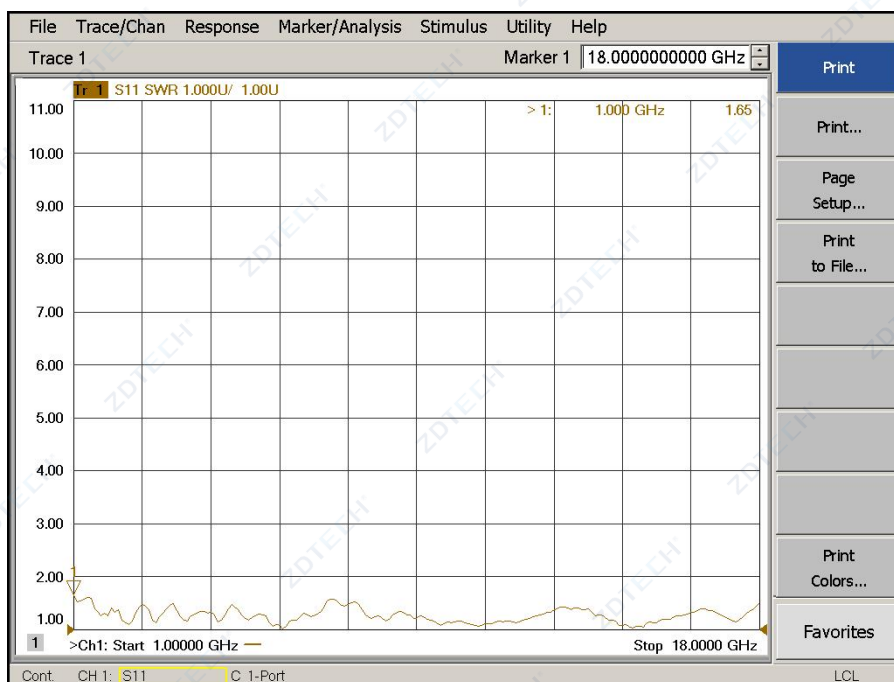
1. Technical Index

Operating Frequency (GHz)	1-18
VSWR	<2.0 (typical)
Gain	>6dBi
Polarization	Linear polarization
3dB Beamwidth	15°-95°
Maximum Power Capacity	100W
Reference Dimensions	≤250mm × 160mm × 212mm
Operating Temperature	-55°C to +75°C
Storage Temperature	-65°C to +85°C
Connectors	N-type bracket, side feed
Mounting Method	Bend plate mounting
Mounting Accessories	Includes mounting plate and screws
Color	Silver gray
Material	Aluminum alloy

2. Dimensions (Unit: mm)



3. VSWR



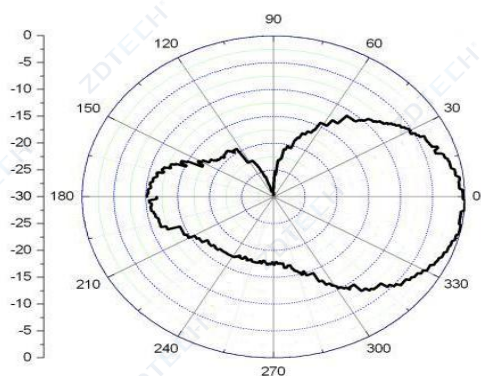
4. Beamwidth

Operating Frequency (GHz)	E-plane 3dB beamwidth(°)	H-plane 3dB beamwidth(°)
1	112°	49°
2	50°	40°
4	42°	32°
6	48°	40°
8	47°	37°
10	41°	35°
12	35°	30°
15	15°	26°
18	12°	24°

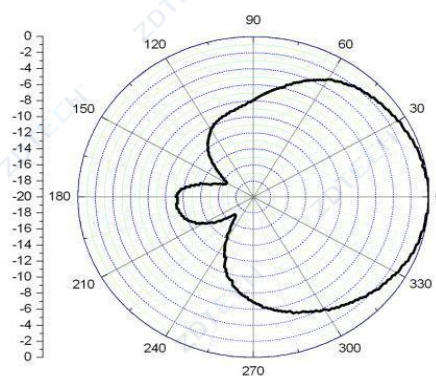
5. Typical Directivity Pattern (Ferefence value)

1GHz

1GHz E-plane beamwidth 112°

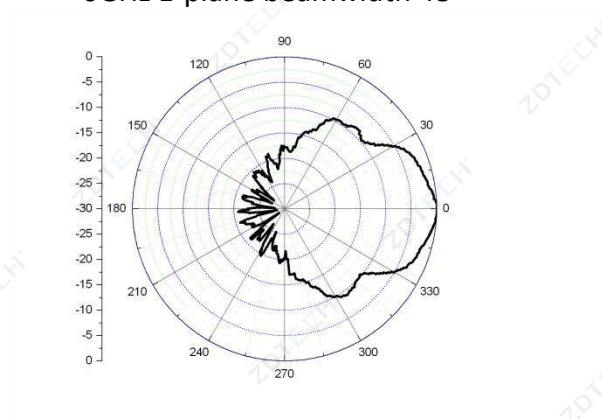


1GHz H-plane beamwidth 49°

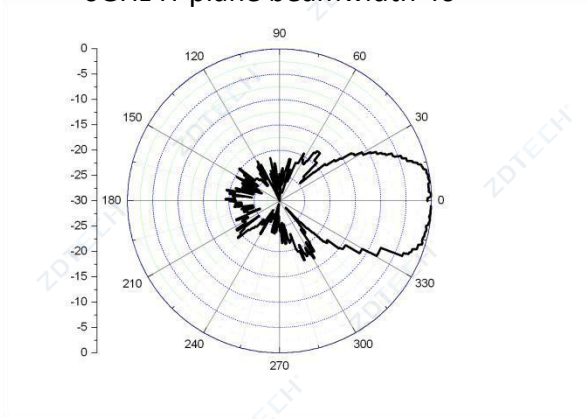


6GHz

6GHz E-plane beamwidth 48°

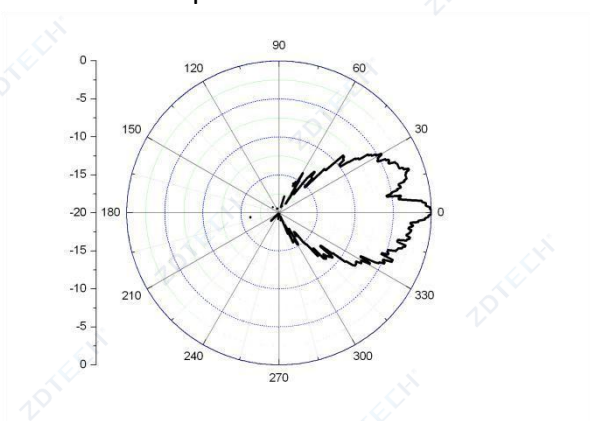


6GHz H-plane beamwidth 40°



15GHz

15GHz E-plane beamwidth 15°



15GHz H-plane beamwidth 26°

