

0.38GHz~2GHz PLANAR SPIRAL ANTENNA

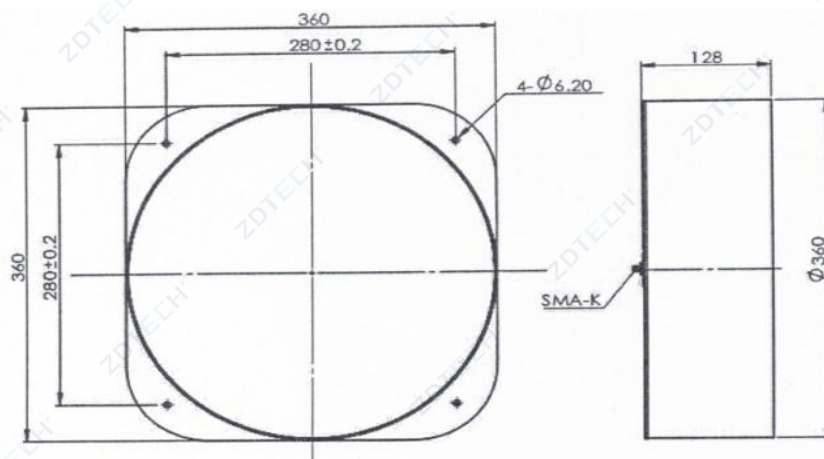
Model: ZD03820-0.5B



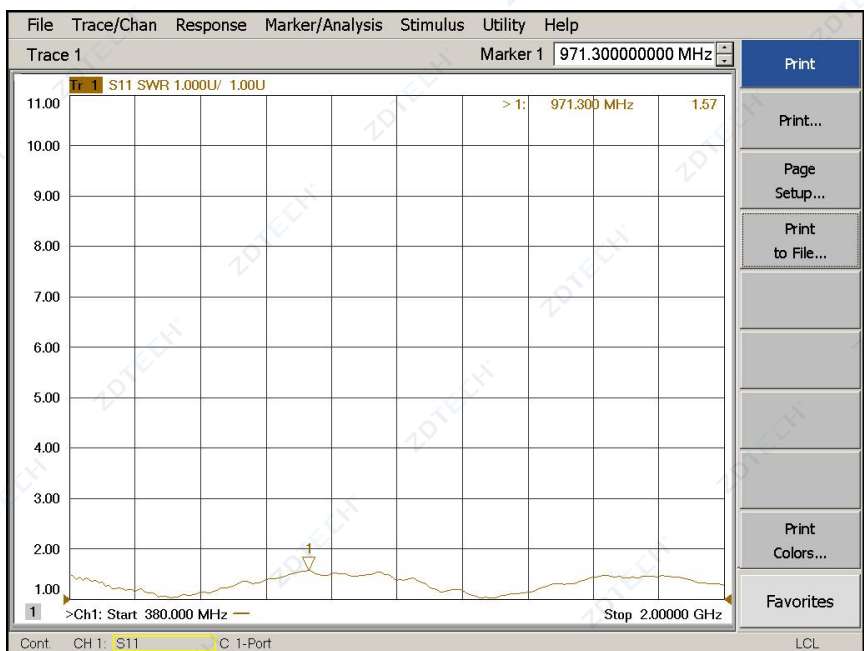
1. Technical Index

Frequency Range	380MHz~2000MHz
Gain And Beam Width	$\geq -0.5\text{dB}$ 380~500MHz: $\geq 90^\circ$ (absolute gain better than the beam width of -4dB) 500-2000MHz: Beam width of $\geq 90^\circ$ (absolute gain better than -2dB)
Standing Wave	≤ 2.5
Joggle	SMA-K type (stainless steel)
Back Lobe	$\leq -12\text{dB}$
Polarization Method	right-handed circular polarization
Reference Dimension	$\leq 360\text{mm} \times 360\text{mm} \times 250\text{mm}$ (excluding socket and installation surface)
Weight	$\leq 2500\text{g}$
Pigment	Grayish-blue GY09
Antenna Cavity Material	Alufer
Working Temperature	$-40^\circ\text{C} \sim +55^\circ\text{C}$
Storage Temperature	$-50^\circ\text{C} \sim +65^\circ\text{C}$

2. Dimensions (Unit: mm)



3.Standing wave

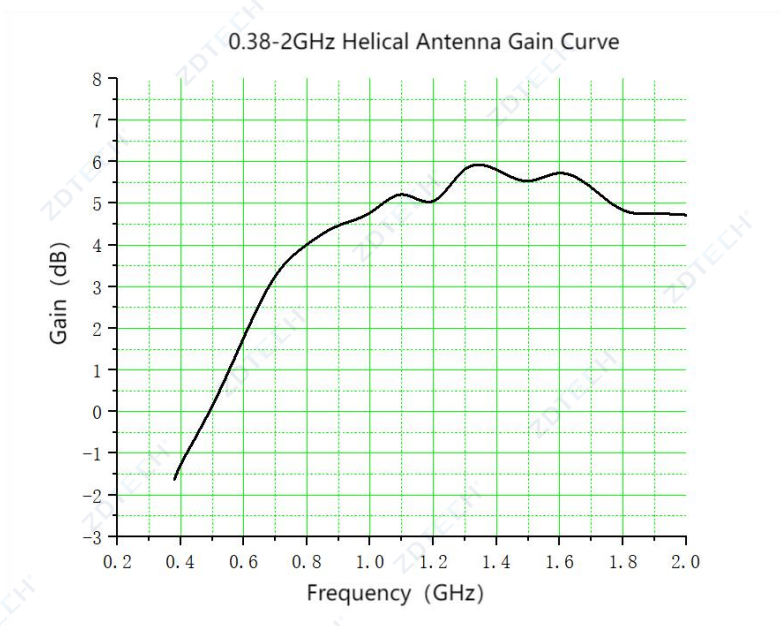


4. Beam Width

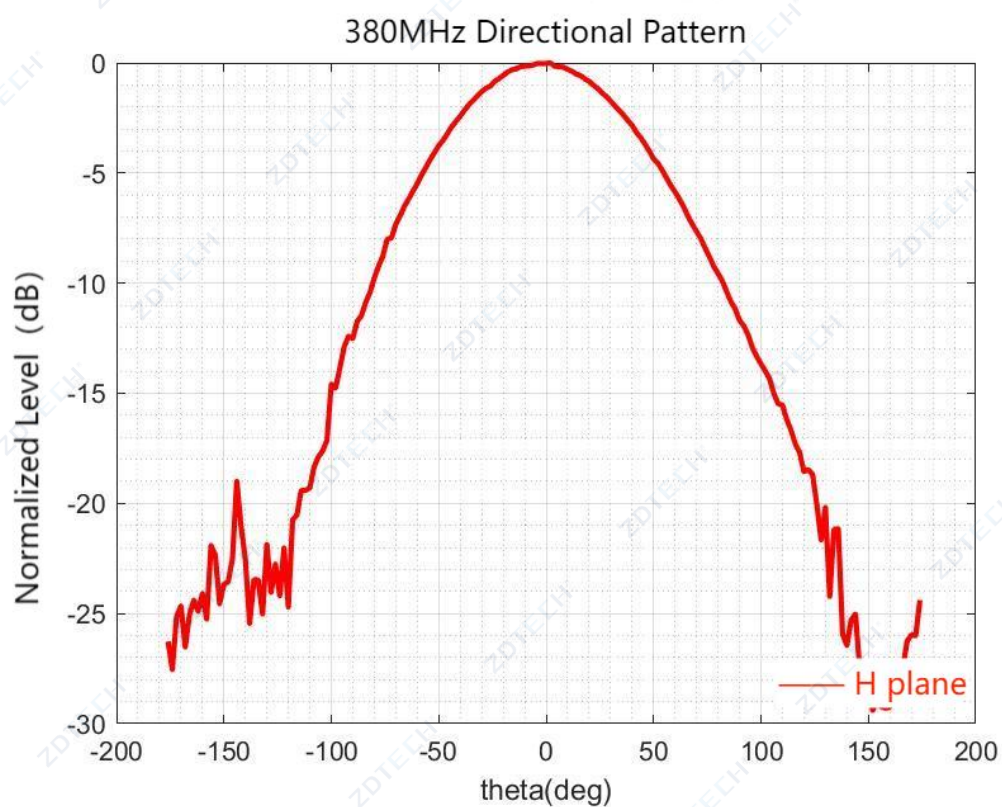
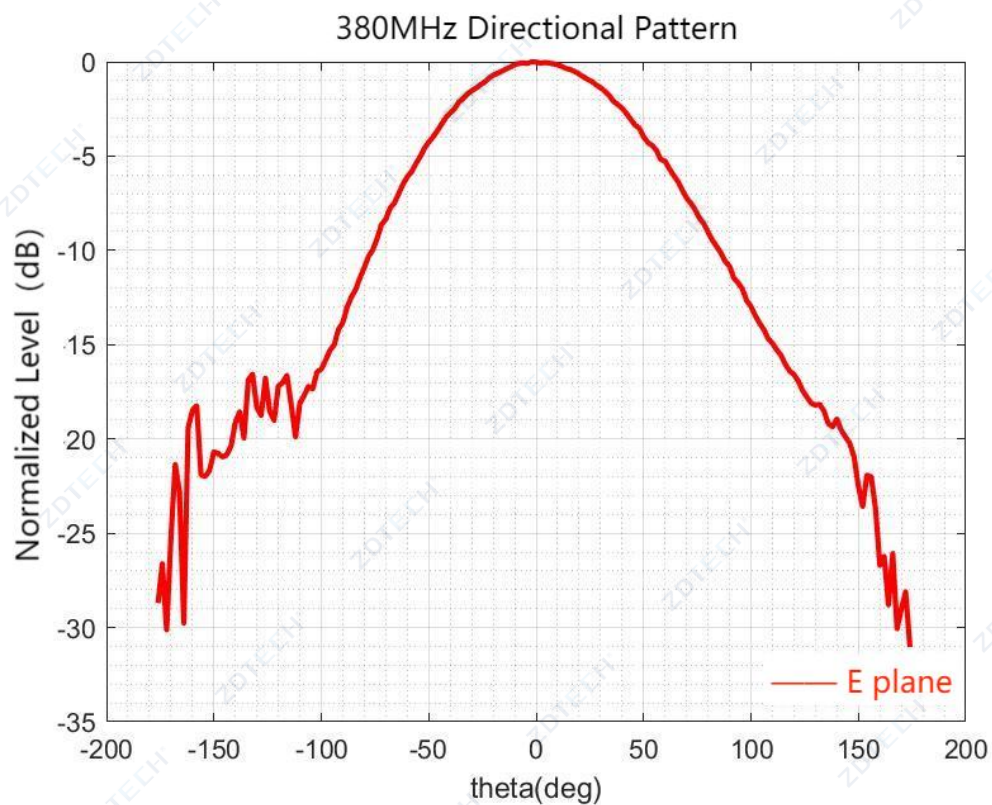
Operating frequency (MHz)
380
800
1000
1500
1800
2000

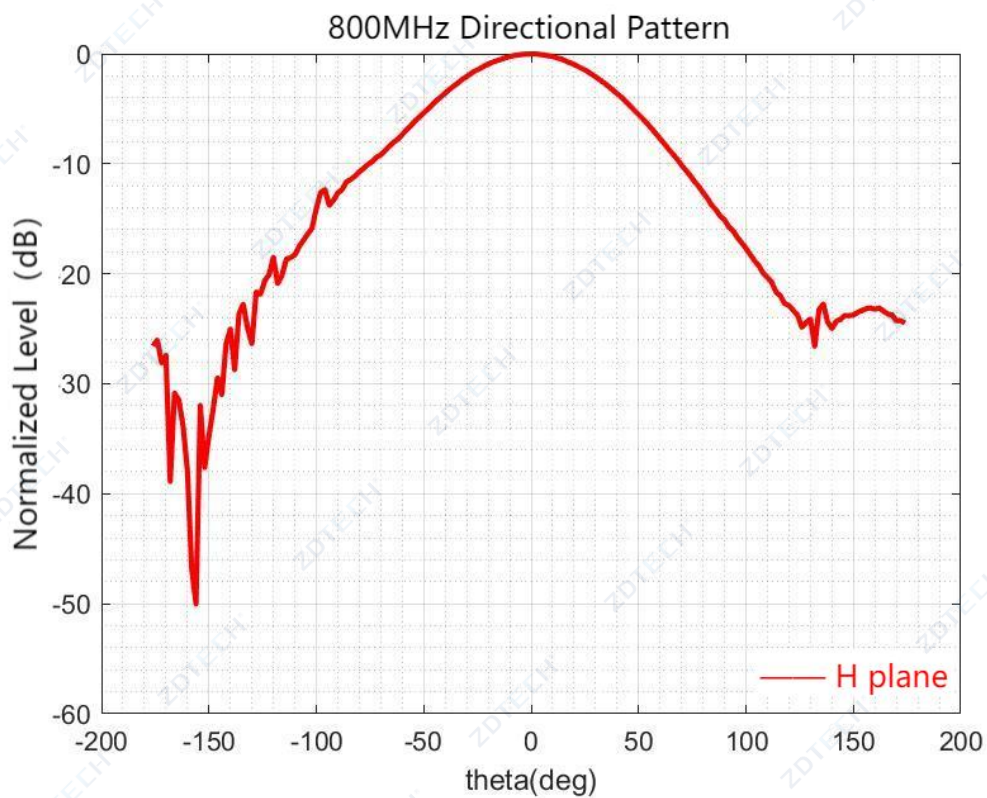
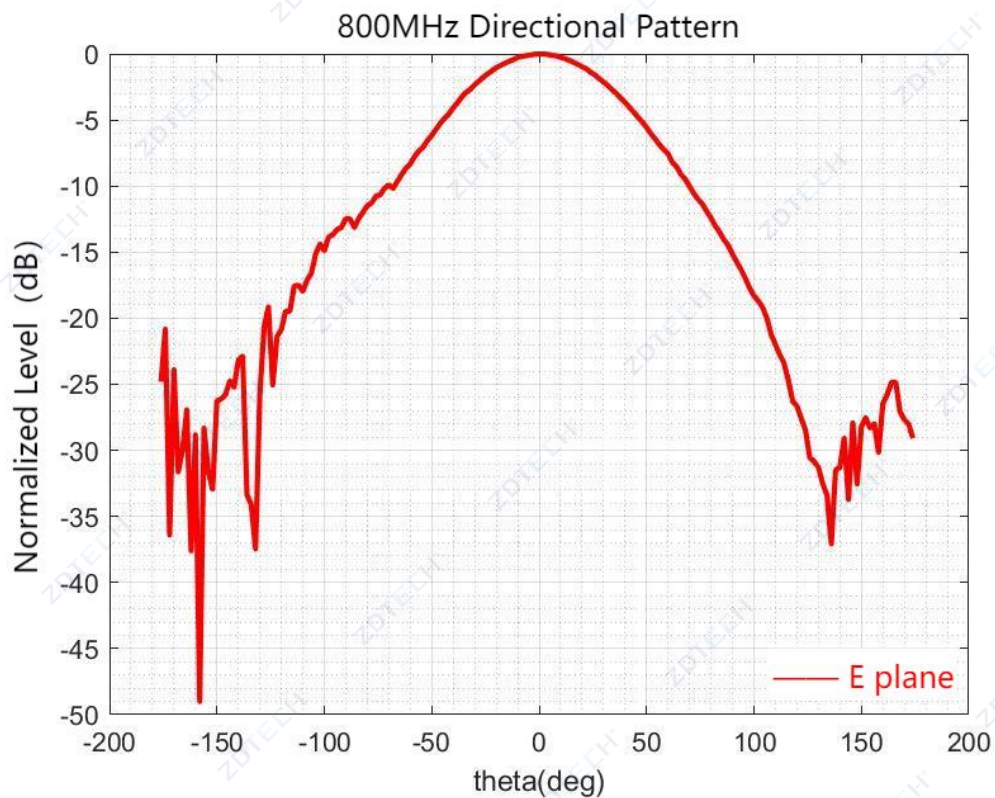
3dB beam width (°)
80
74
64
62
80
80

5. Gain Curve

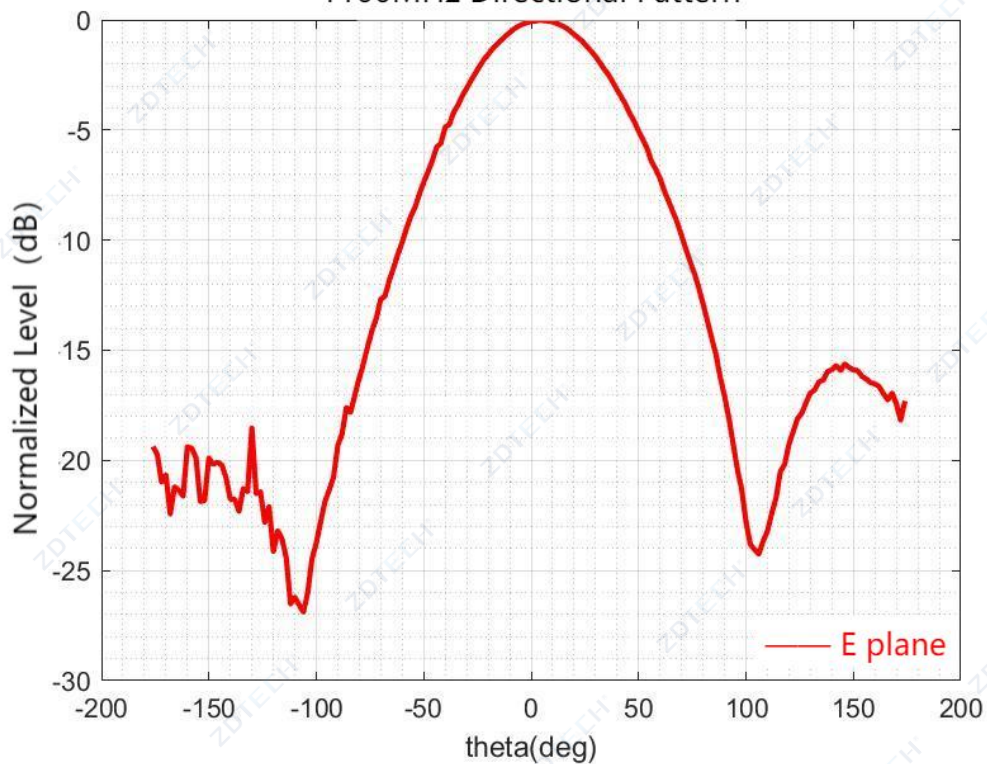


6. Typical Direction Map

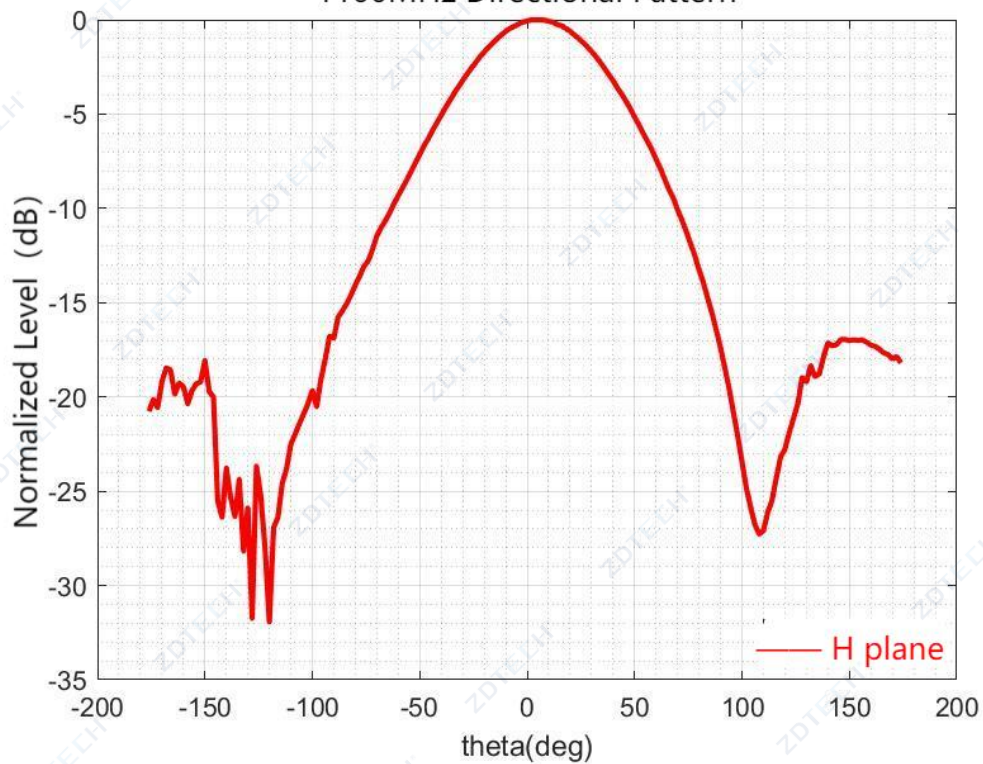


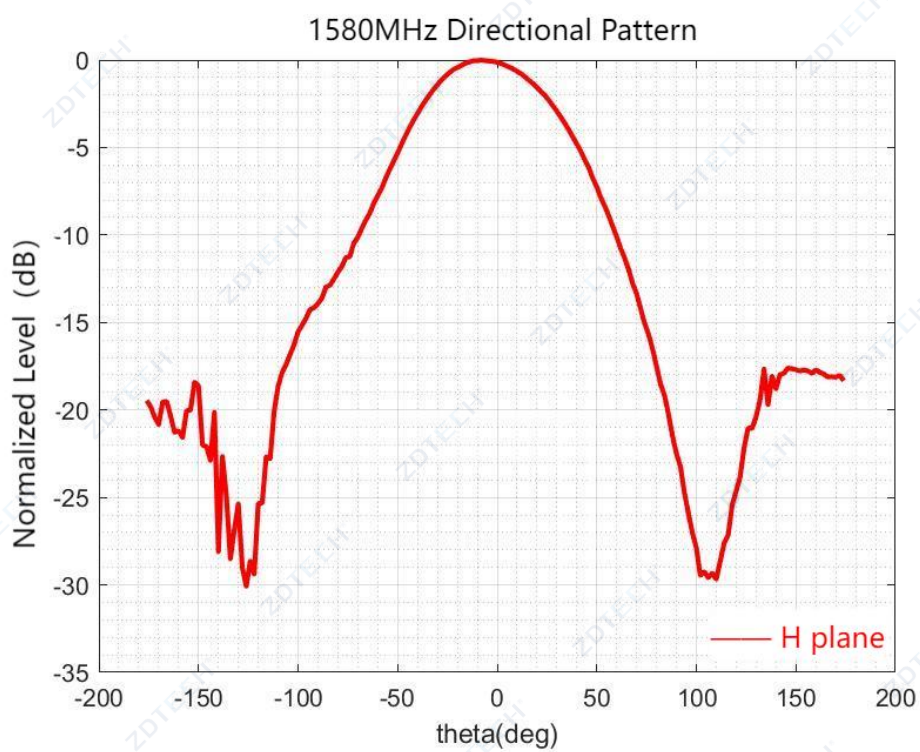
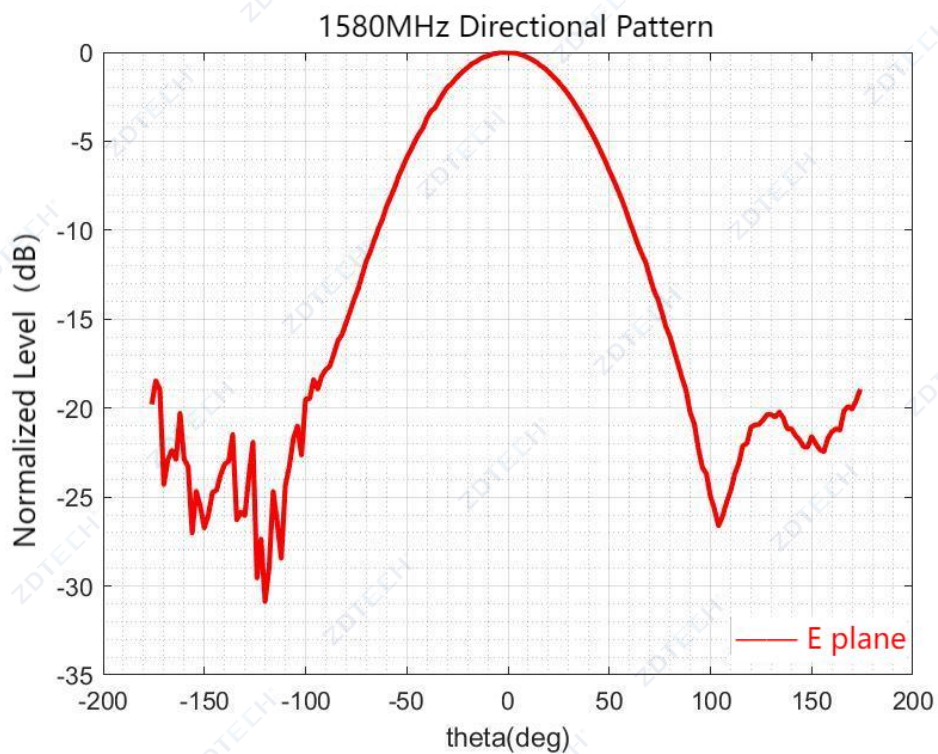


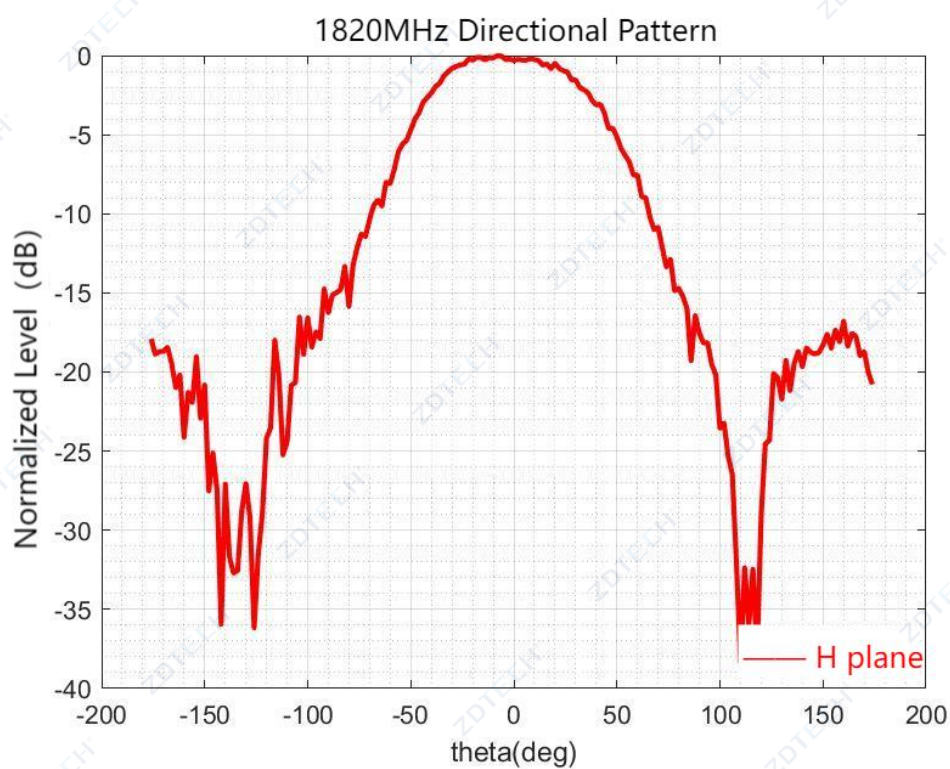
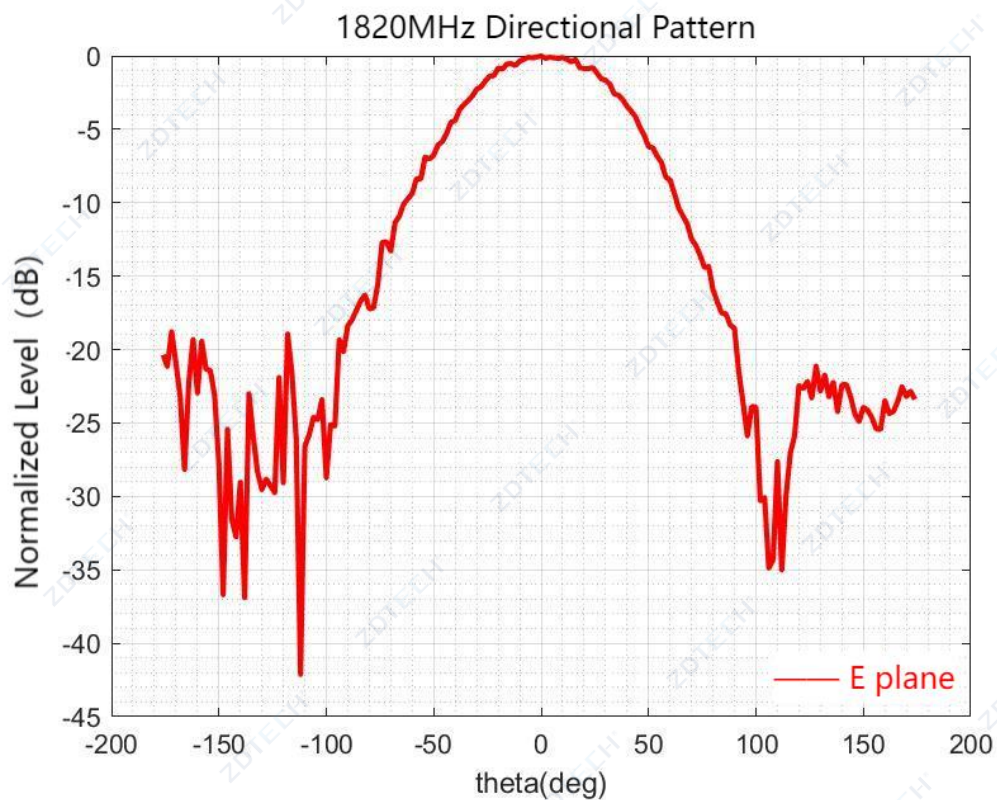
1100MHz Directional Pattern



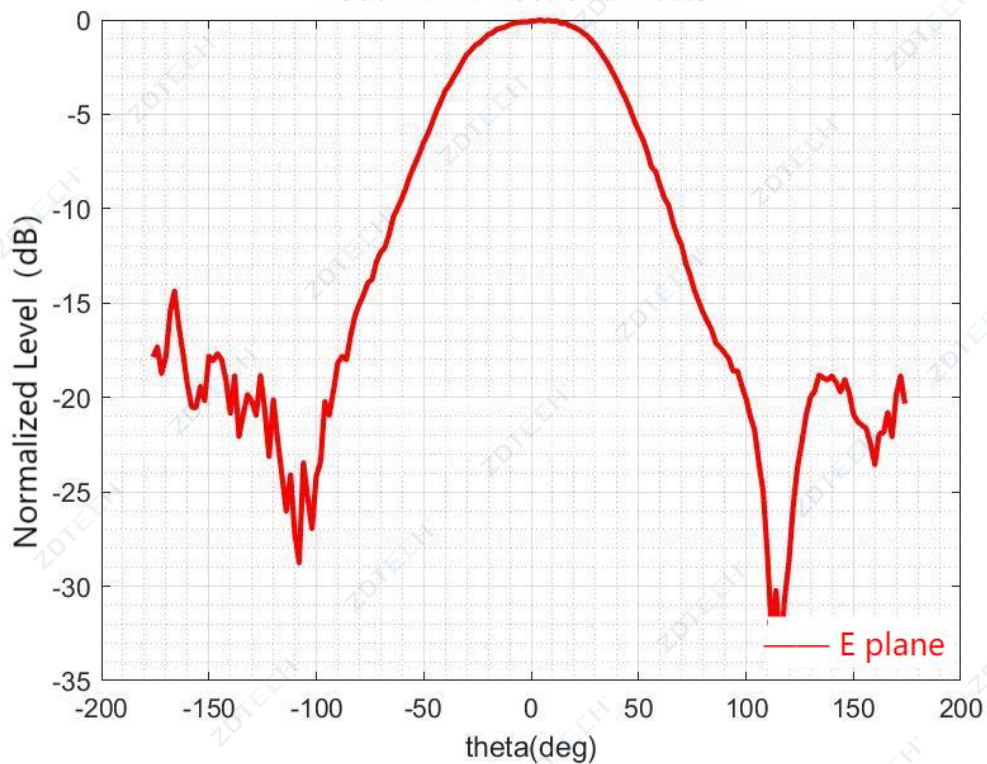
1100MHz Directional Pattern







2000MHz Directional Pattern



2000MHz Directional Pattern

