

2GHz~18GHz PLANE SPIRAL ANTENNA ARRAY

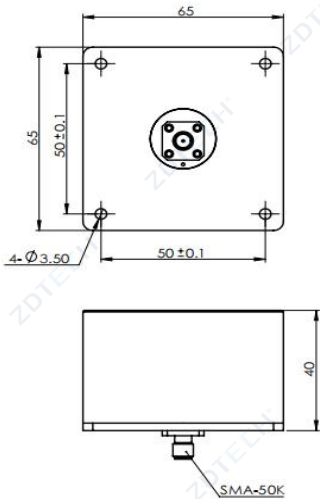
Model: ZD20180G-L65



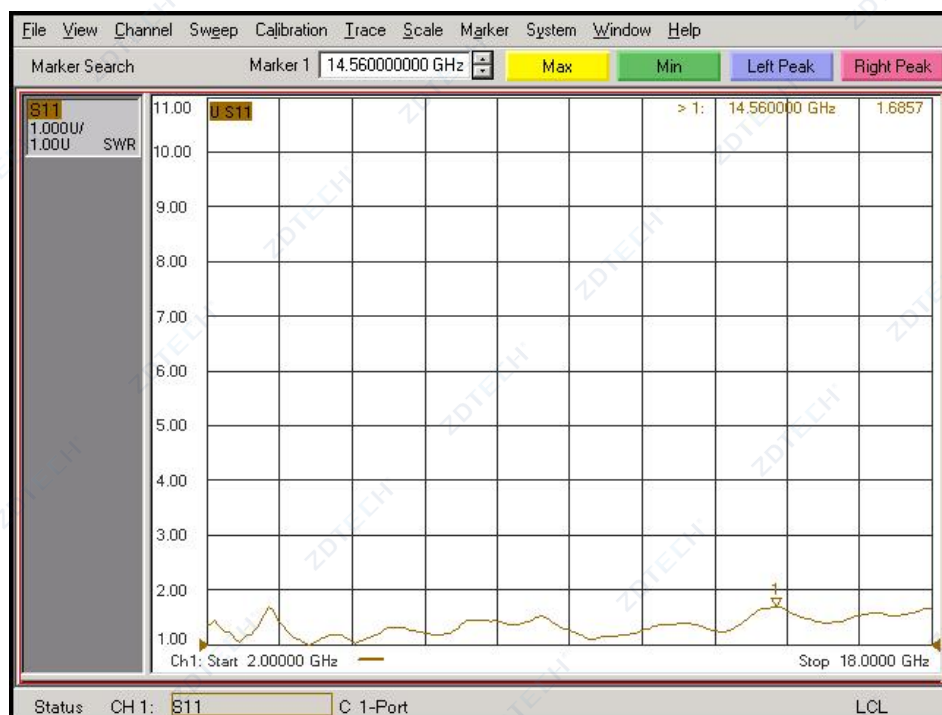
1.Technical Index

Frequency Range	2-18GHz
Beam Width	50°-130°
Standing Wave	≤2.5
Axial Ratio	≤3dB (typical value)
Joggle	SMA-50K (stainless steel)
Gain	-1dBi-6dBi
Polarization Method	right-handed circular polarization
Reference Dimension	≤65mm*65mm*40mm (excluding connectors)
Weight	≤100g
Antenna Cavity Material	Alufer
Working Temperature	-50℃~+70℃
Storage Temperature	-50℃~+65℃

2.Dimensions (Unit: mm)



3.Standing Wave



4.Wave Speed Width

service frequency (GHz)	3dB beam width(°)phi=0	3dB beam width(°)phi=90
2	102.5	97.5
4	77.5	80.0
6	62.5	62.5
8	55.0	60.0
10	75.0	65.0
12	75.0	65.0
14	95.0	65.0
16	72.5	92.5
18	92.5	72.5

5. Typical Direction Map

