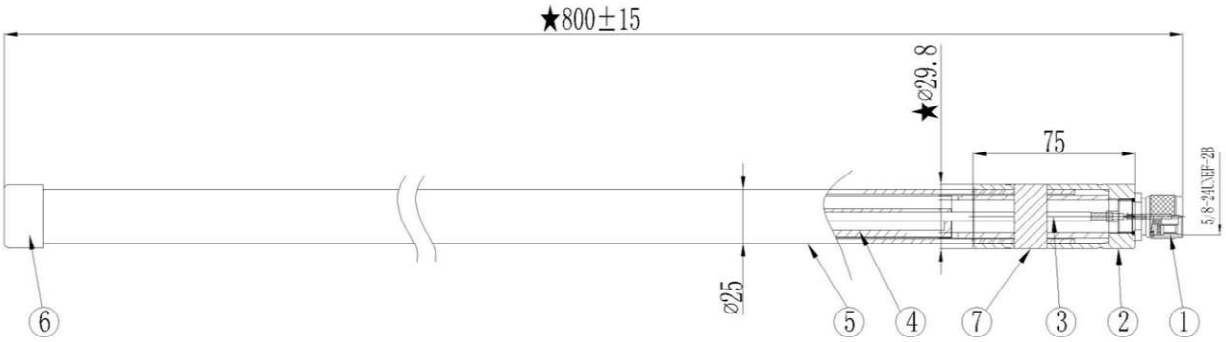
5.8DB-902-930 Fiberglass Antenna

Specification

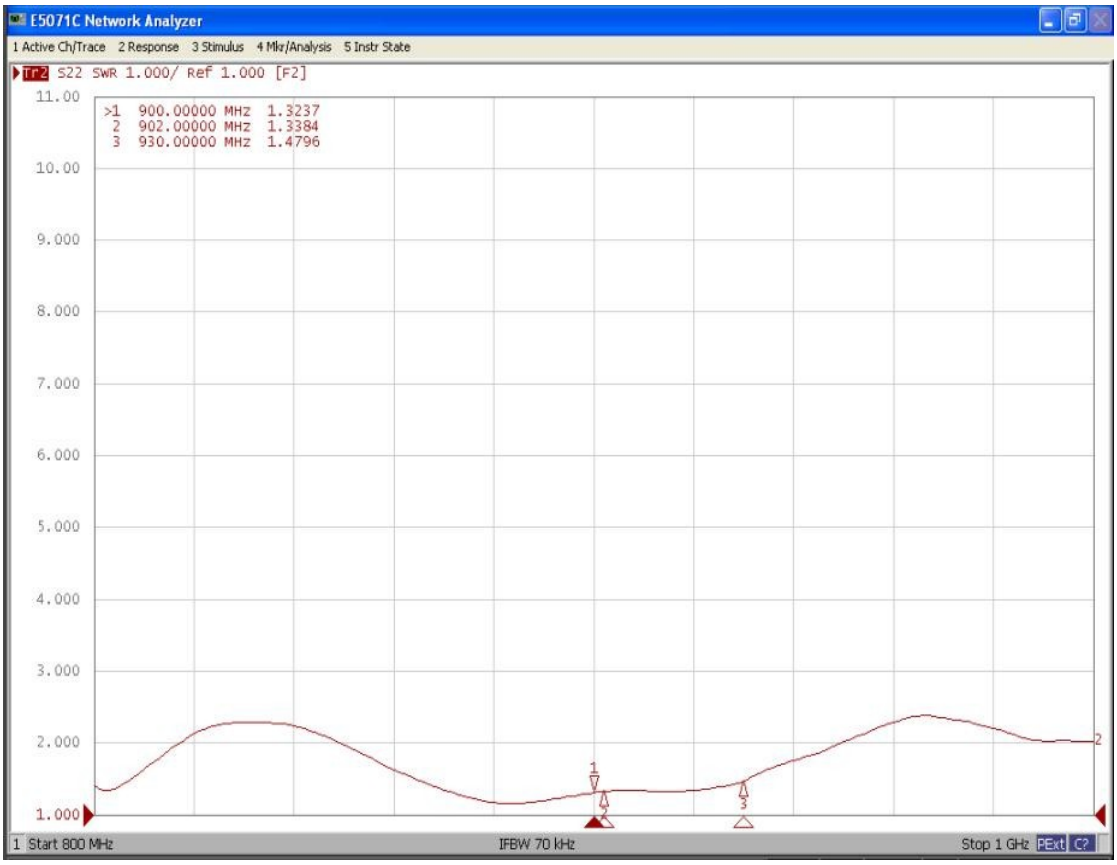
Modle：V1799-004-B-01



Product specification describes

Parameter	
Frequency	902-930MHz
Bandwidth	28MHz
Impedance	50Ω
VSWR	＜2.0
Gain	5.8±0.5dBi
Max. Efficiency	＜79%
Polarization	Linear polarization/Vertical
Radiation pattern	Omni-directional
Connector	N-J connector
Mechanical Parameter	
Length	800±15mm
Salt Spray Test	48H
Environment Parameter	
Operation Temperature	-20℃~65℃
Storage Temperature	-30℃~75℃

Radiation Report



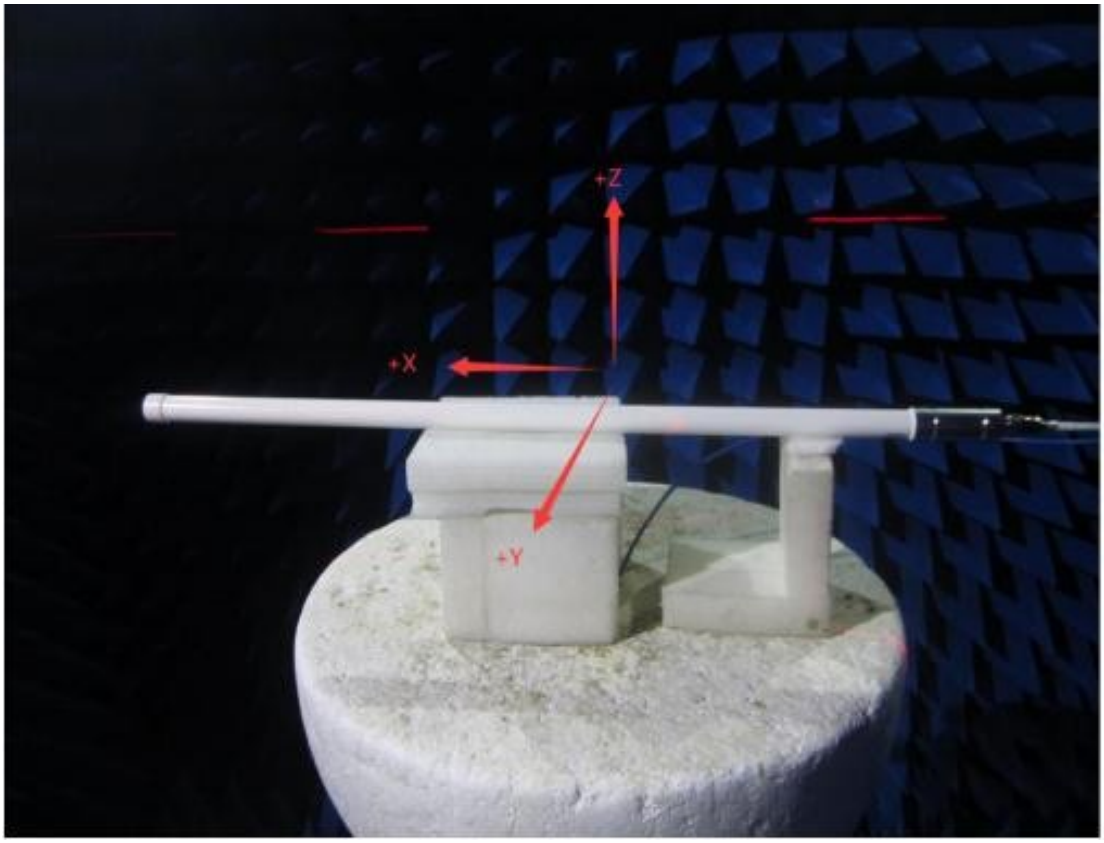
Efficiency+ Gain+ Roundness + Half power Beamwidth(°)

Frequency	Gian（dB）	Roundness（dB)
902	5.42	1.8
904	5.61	1.81
906	5.6	1.76
908	5.56	1.73
910	5.53	1.66
912	5.57	1.61
914	5.74	1.55
916	6.03	1.51
918	6.09	1.47
920	6.04	1.41
922	5.95	1.36
924	5.83	1.32
926	5.81	1.35
928	5.77	1.36
930	5.69	1.37

Frequency	Efficiency
902	74.02%
904	76.58%
906	76.34%
908	74.85%
910	74.11%
912	74.09%
914	76.16%
916	78.27%
918	79.42%
920	79.10%
922	77.99%
924	76.85%
926	76.56%
928	77.45%
930	78.16%

Frequency	Half power Beamwidth（°）	
	phl=0	theta=90
902	24.05	23.59
904	24.09	23.85
906	24.24	24.18
908	24.26	24.56
910	24.24	23.97
912	24.20	21.58
914	24.10	21.61
916	26.15	21.61
918	26.19	21.61
920	26.24	21.60
922	28.24	21.66
924	28.18	21.75
926	28.31	21.86
928	26.25	21.95
930	26.45	21.96

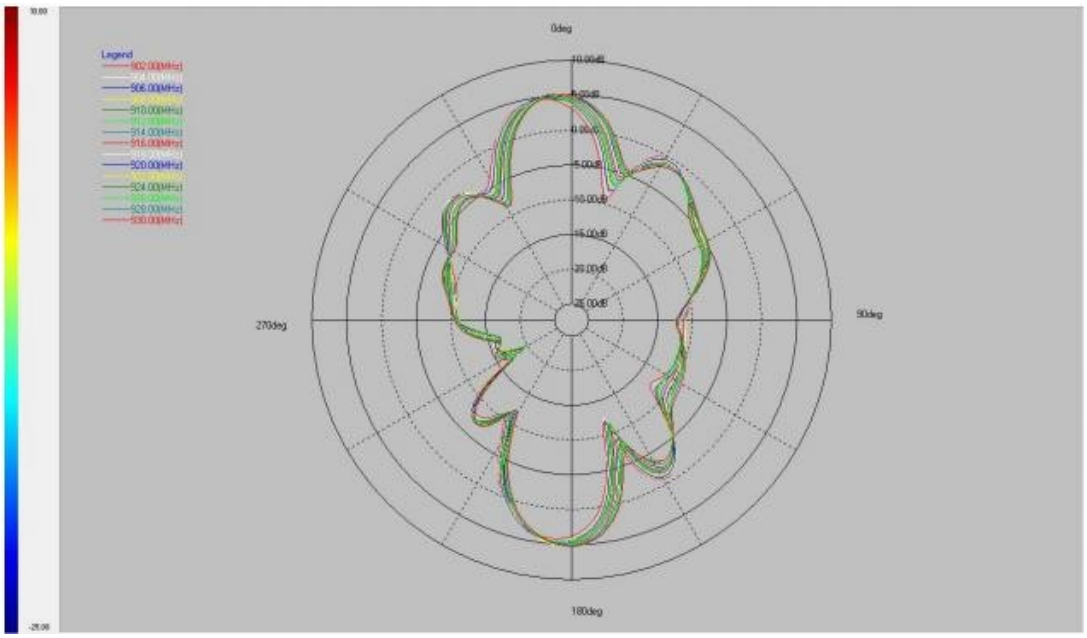
Micro-wave dark room- Antenna placement



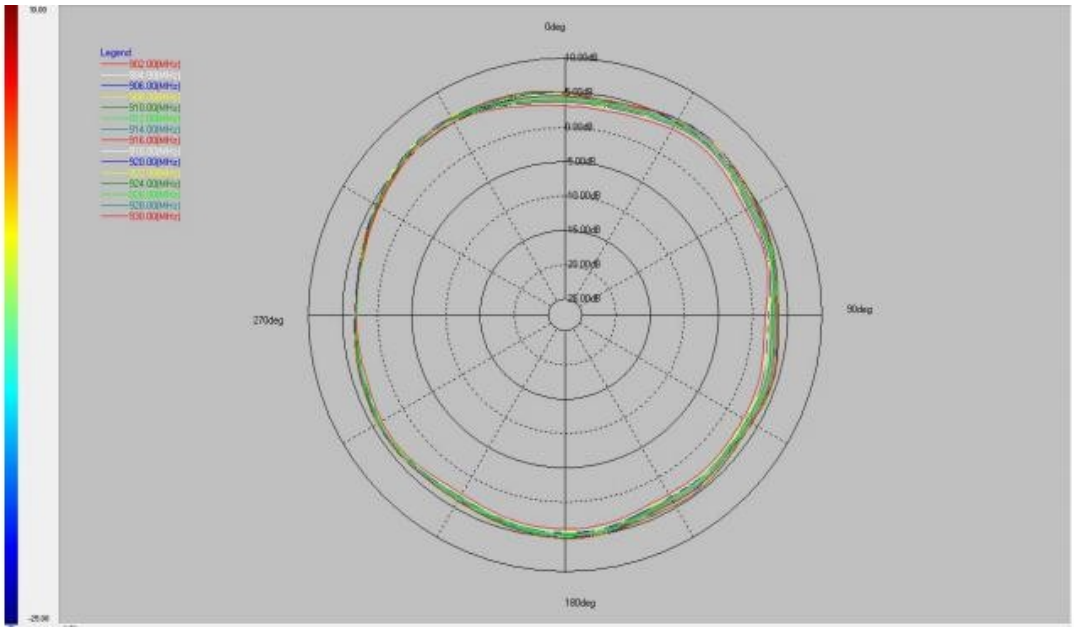
902-930MHz

Radiation Pattern

Phi=0°（XZ）



Phi=90°(YZ)



d）Theta=90°(XY)