

470-510MHz Round Antenna

FEATURES



- Ground Plane Independent
- Customizable Cable and Connector



PRODUCTS

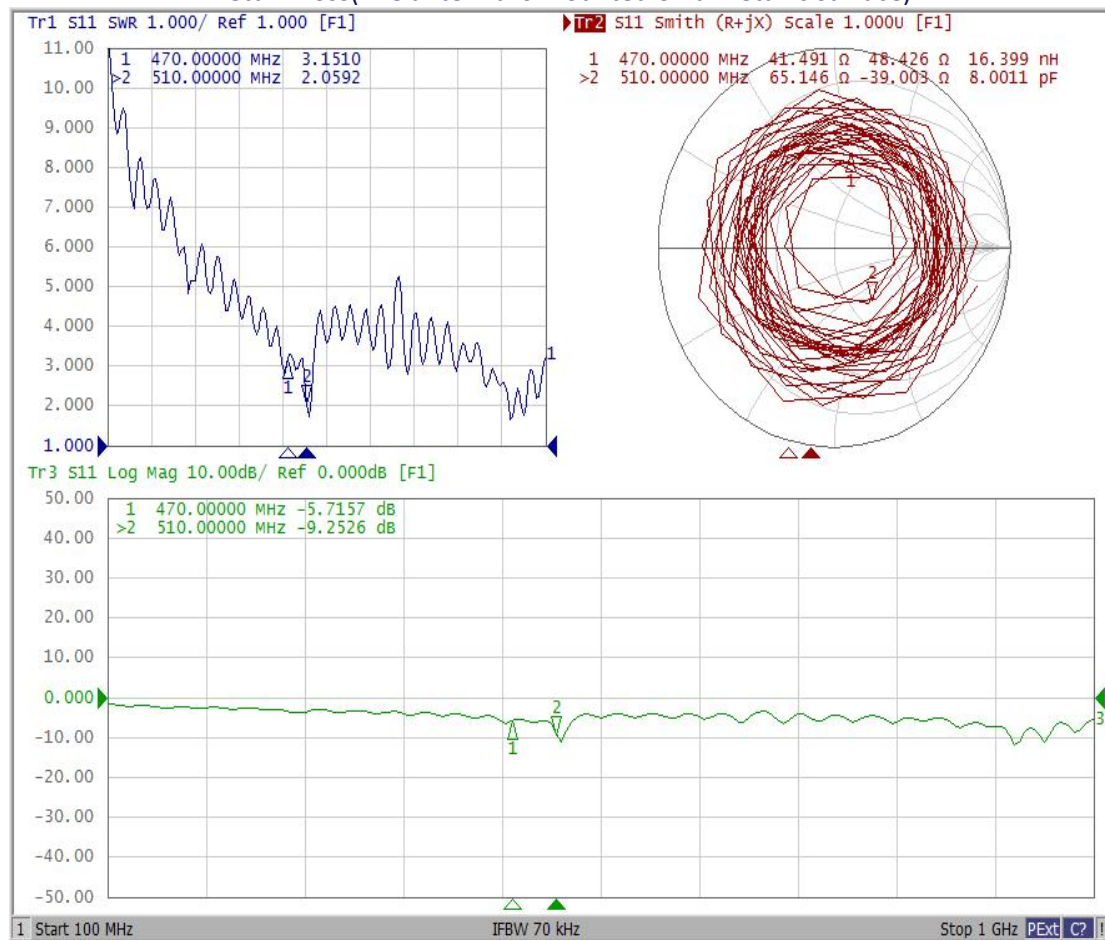
Part No.	Weight	Dimensions (L x W x H)	cable	installation	Connector	Color
AELK001	56.8g	Φ 48*22.0mm	3000mm RG174	Magnetic Mount	RP-SMA-Male	Black

SPECIFICATIONS

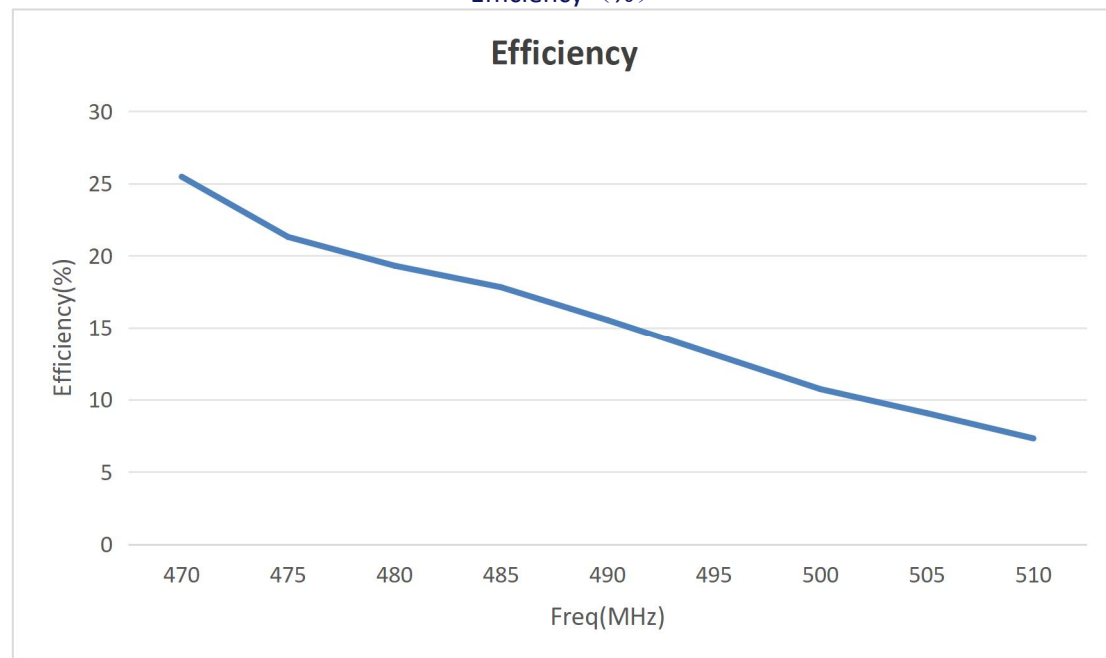
PARAMETER	SPECIFICATION
Frequency Bands, MHz	470-510
VSWR (Max)	4:1
Peak Gain, dBi (Typ)	Up to 0.97
Peak Efficiency	25.47%
Nominal Impedance	50 Ω
Max Power (ambient temp of 25°C)	10 Watts
Azimuth Beam Width (deg)	Omnidirectional
Polarization	Linear
Radome	PC, Black
Storage Temperature Range (°C)	-40° C to +85° C
Operational Temperature Range (°C)	-40° C to +85° C
Material Substance Compliance	RoHs Compliant

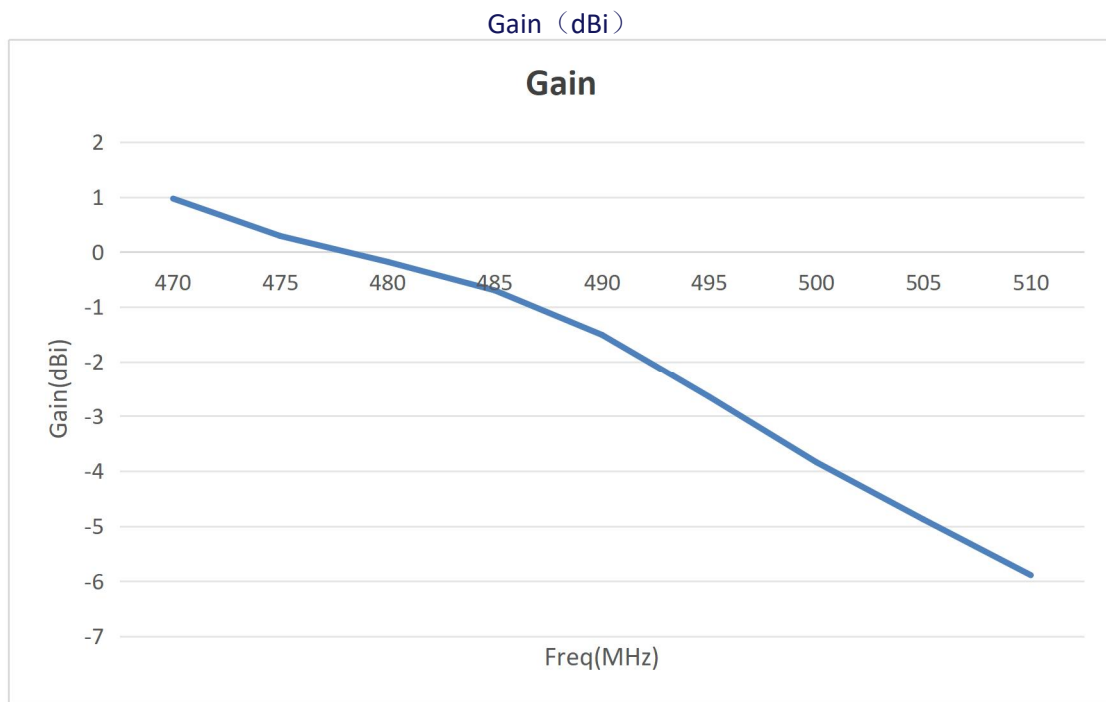
ELECTRICAL PERFORMANCE

Return Loss(The antenna is mounted on a metallic surface)



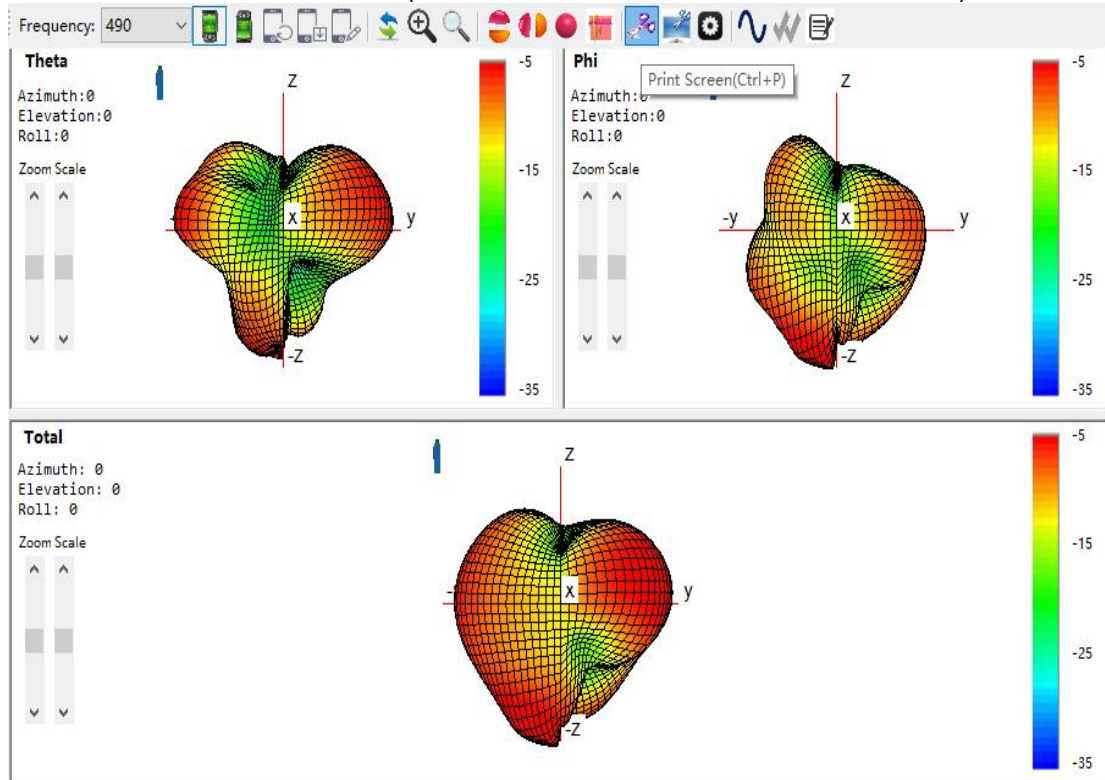
Efficiency (%)



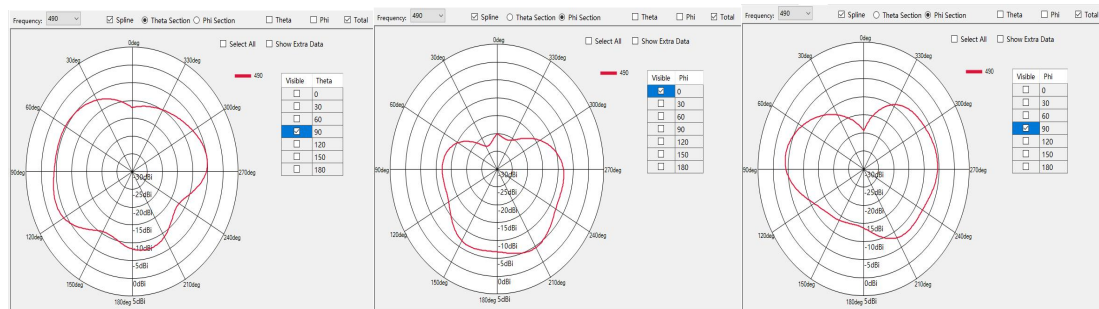


Freq(MHz)	Gain(dBi)	Efficiency(%)
470	0.97	25.47
475	0.29	21.3
480	-0.18	19.31
485	-0.7	17.82
490	-1.51	15.54
495	-2.65	13.12
500	-3.84	10.71
505	-4.88	9.05
510	-5.89	7.31

3D Radiation Pattern(The antenna is mounted on a metallic surface)



2D Radiation Pattern(The antenna is mounted on a metallic surface)



HOUSING CONFIGURATIONS

