



GALTRONICS (GTK) Co.Ltd

PRODUCT SPECIFICATION

Model : AF-9093-8Q16VBLG001



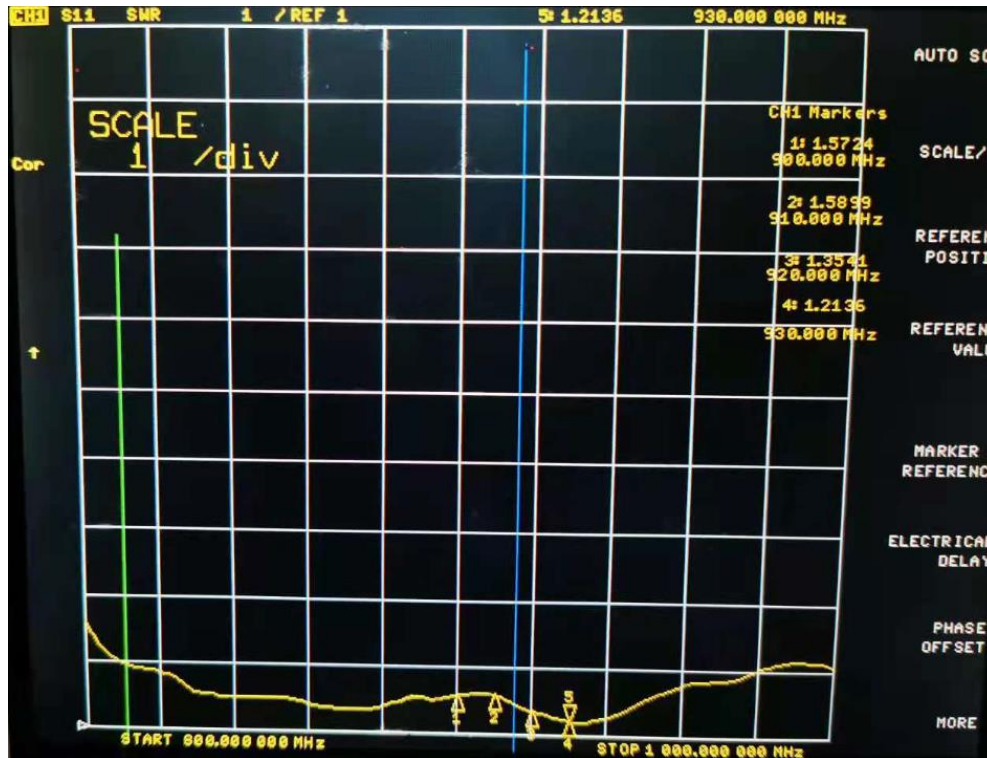
MSL LEVEL 1

1. Specifications

I . Electrical specifications		
Frequency Range	900 ~ 930MHz	
Gain(Peak)	7.5dBi±1	
Beam-width	Horizontal	360°
	Vertical	16°±5
VSWR	Max 2.0	
Impedance	50Ω	
Polarization	Linear	
Max. Power	50W	
Lightning Protection	DC ground	
II . Mechanical specifications		
Antenna Dimension	Φ25 x (900±15)mm	
Antenna(Radome) Color	White	
Radome material	FRP(Fiber Reinforced Plastic)	
Connector	N type Male	
Operational Humidity	< 65%	
Rated Wind Velocity	120Km/h	
Operating Temperature	-40°C ~ +60°C	

AF-9093-8Q16VBLG001(FRP antenna)

2. VSWR(Voltage Stranding Wave Ratio) Graph



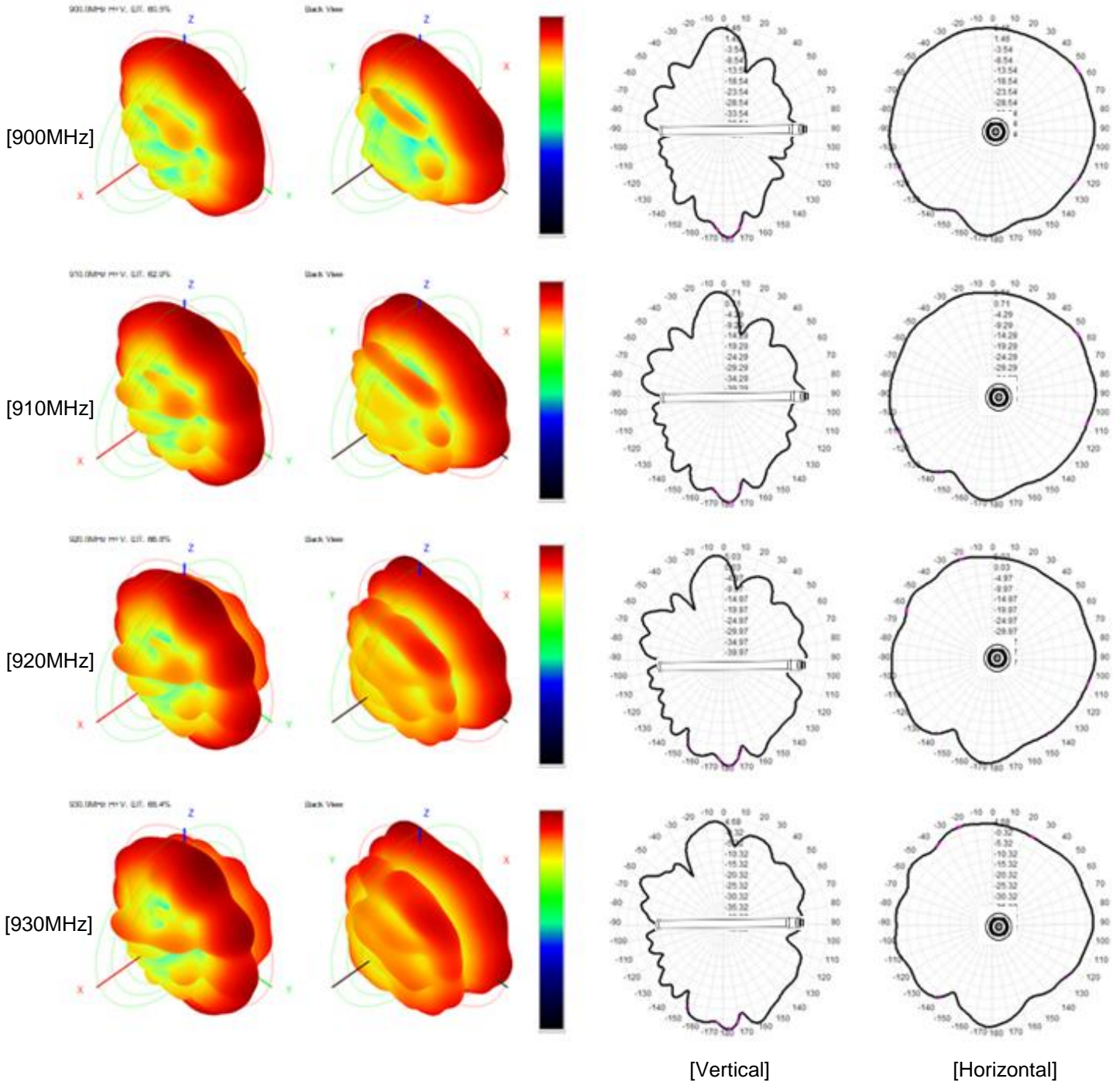
Frequency (MHz)	900	910	920	930
VSWR	1.57	1.58	1.35	1.21

3. Far-Field data : Efficiency & Gain

Frequency ID	1	2	3	4
Frequency (MHz)	900	910	920	930
Efficiency (dBi)	-2.18	-2.01	-1.75	-1.65
Gain (dBi)	7.69	7.58	7.86	8.02
Efficiency (%)	60.49	62.94	66.84	68.39

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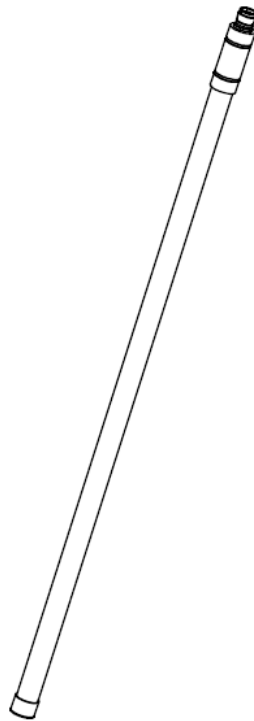
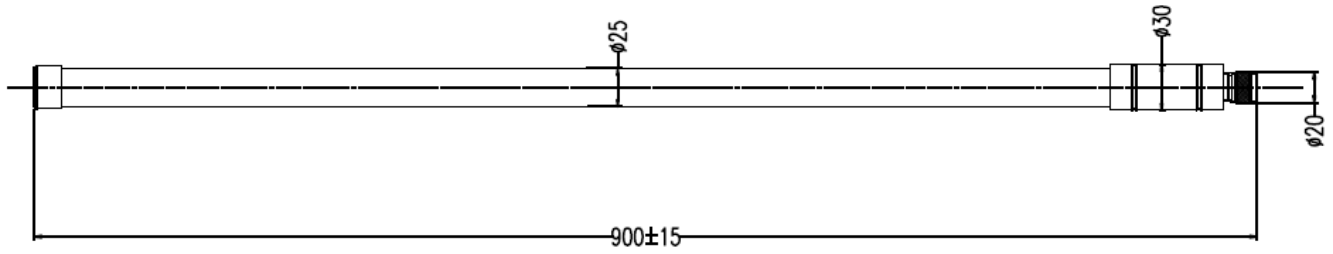
4. Beam pattern (3D/2D)



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5. Drawing(FRP Antenna)

[Unit : mm]



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6. Drawing(Installation parts)

[Unit : mm]

