



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: Netvox Technology Co., Ltd (Xiamen)

Product name: Coil Spring High-Frequency Antenna

Customer Part Number: 4R31167311

Manufacturers of Material: SF-00166

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2024.11.13

That Customers:

Acknowledge	Check	Examine and approve	Datelanded

Admit that situation: ☒new product ☐ product shanges

Admit that project: ☐acknowledgement ☐soecimen 10PCS

Admit that conclusion: ☐reception ☐refuse

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Fourth Industrial Zone, Baoan District, Shenzhen

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Email: liqinghui@xinershengant.com

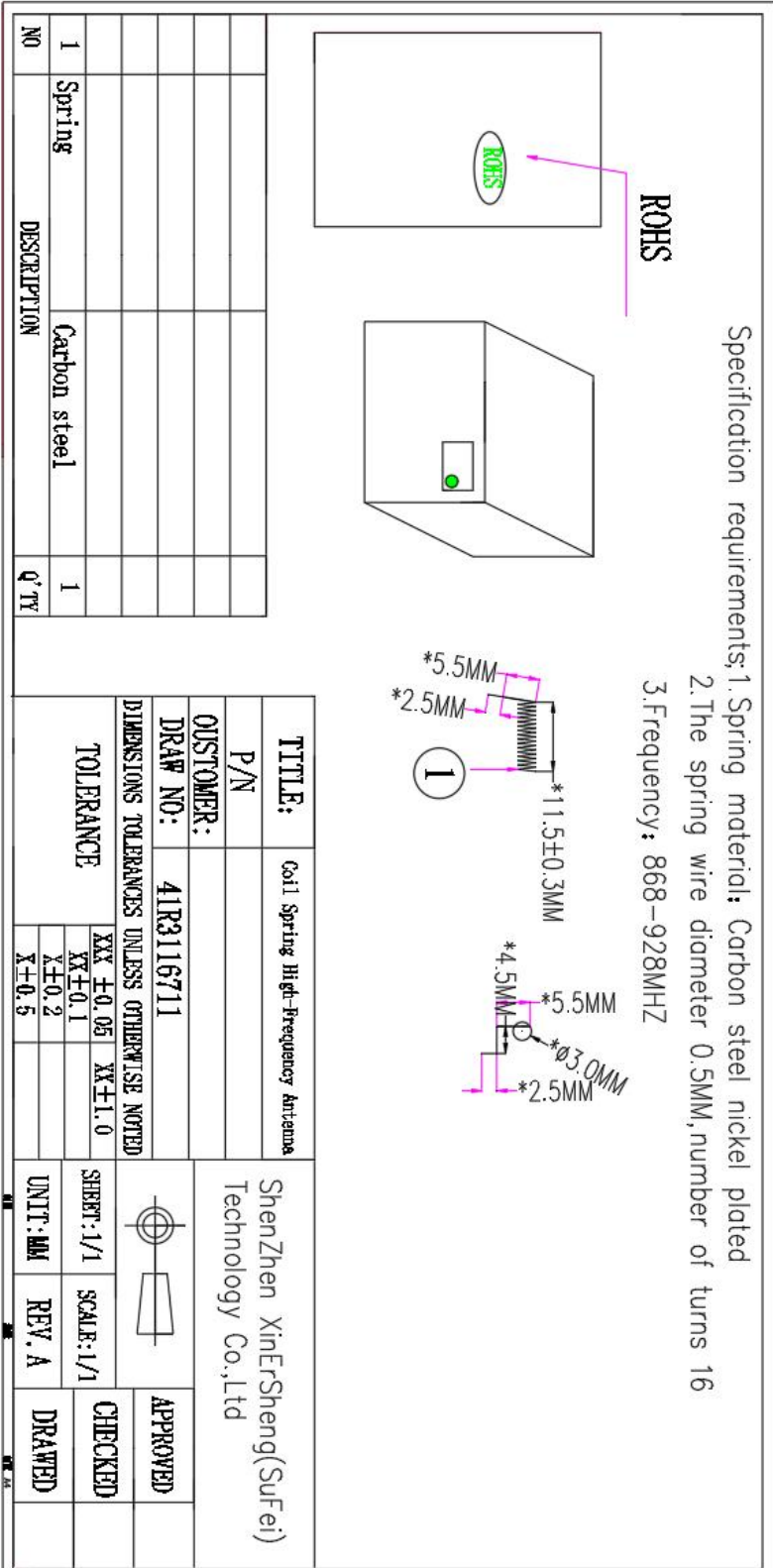
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	868-930
Impedance(Ω)	50 ± 10
Gain(dBi)	-1.26dBi
ReTurnLoss(dB)	≤ -10
Polarization	Linear Vertical
Connector Type	Weld
Physical Properties	
Antenna Base	Carbon steel
Operating Temp	-20°C-+60°C
Storage Temp	-20°C-+70°C

List of raw materials:

Serial number	Name	Texture	Quantity	Unit	Remark
1	spring	carbon steel	1	PCS	

Product drawing

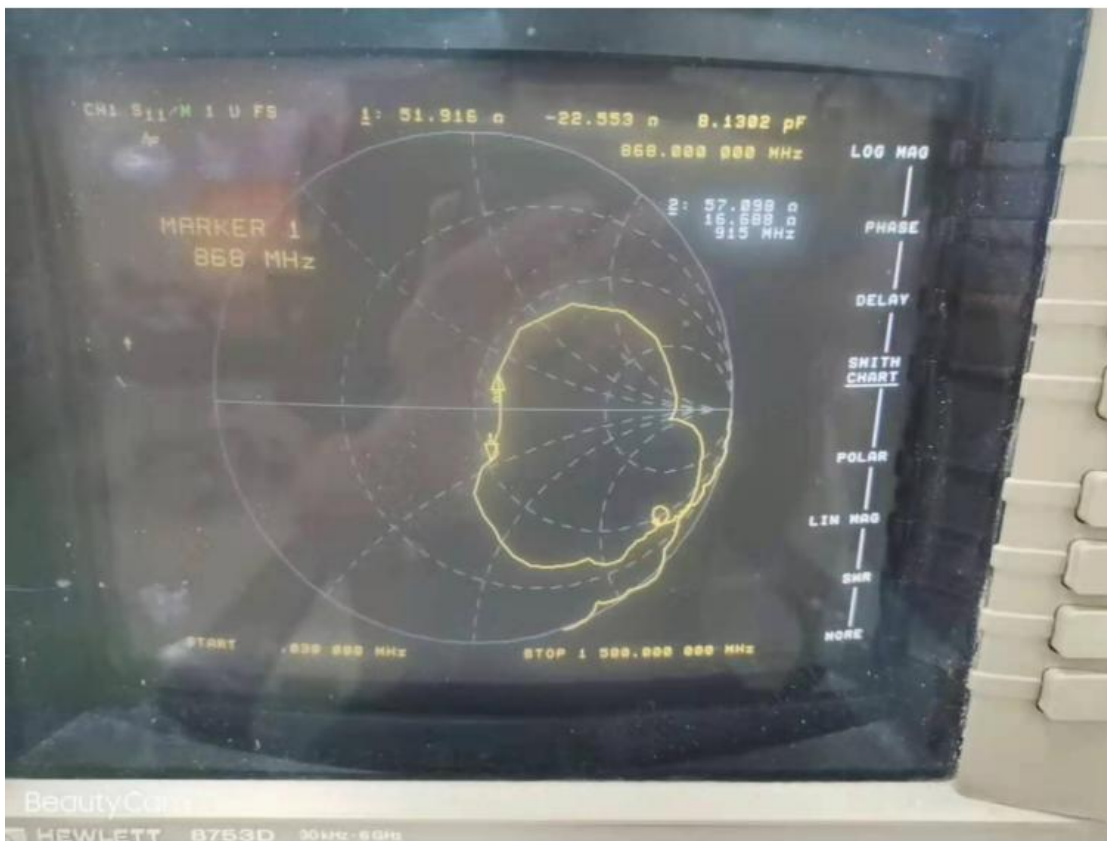


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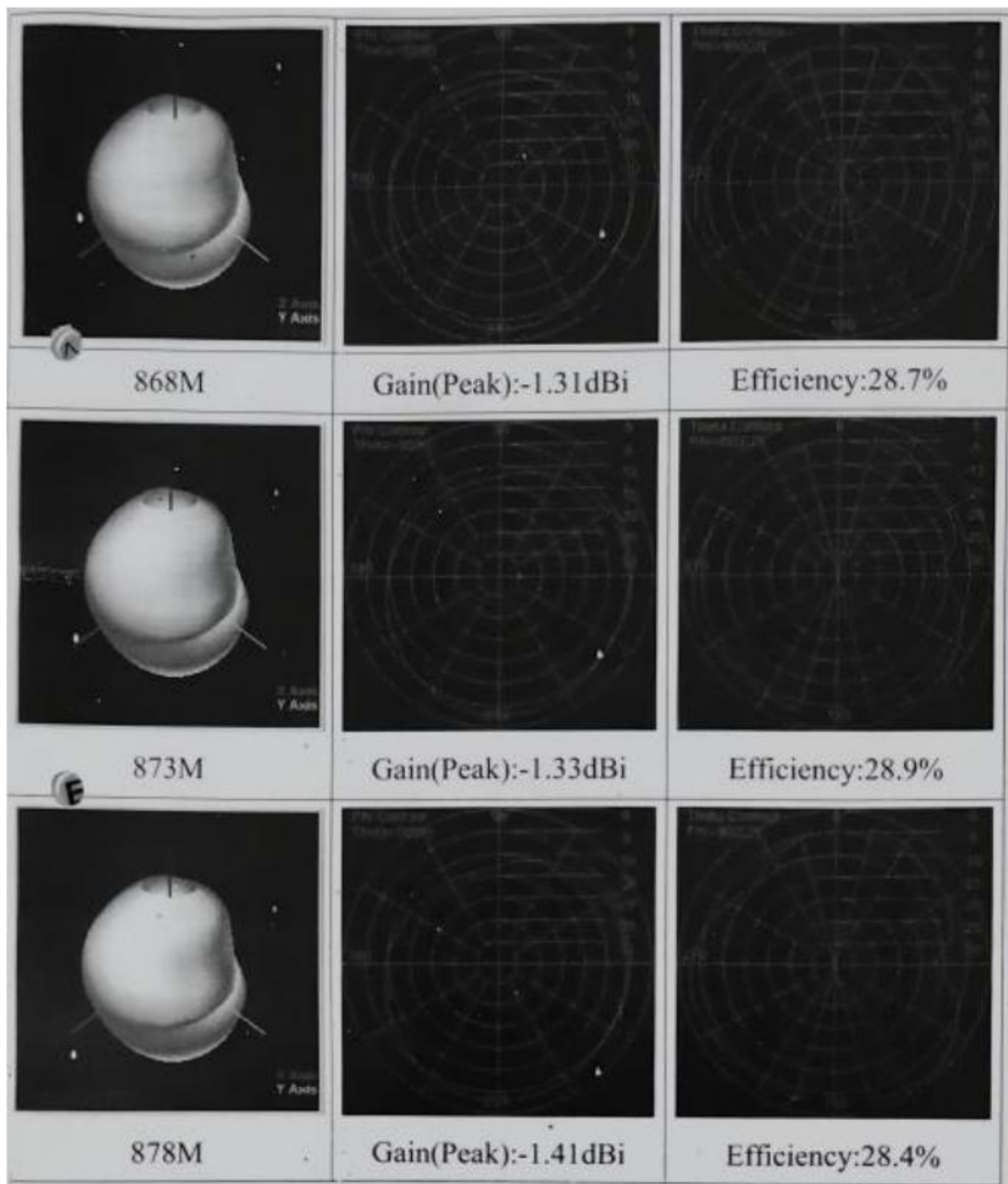
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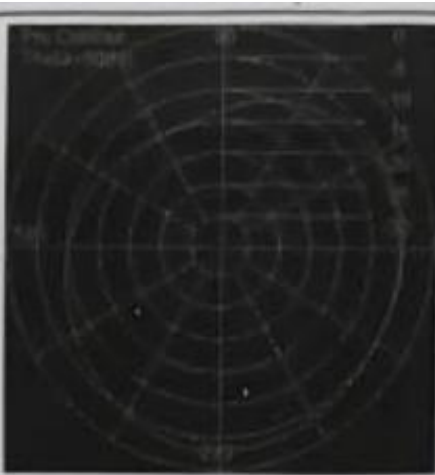
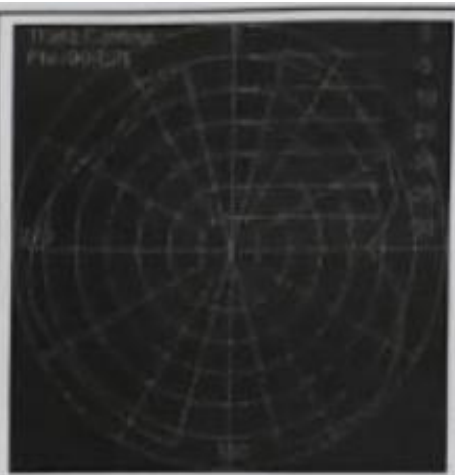
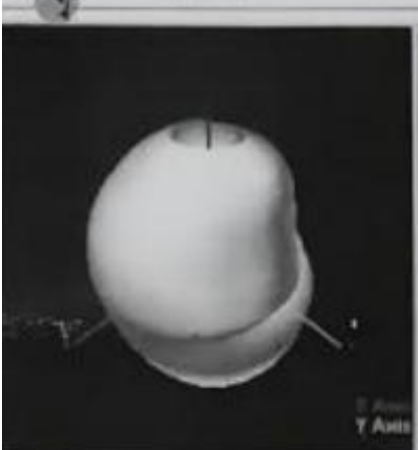
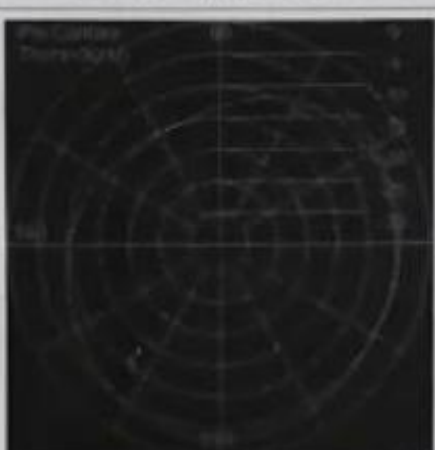
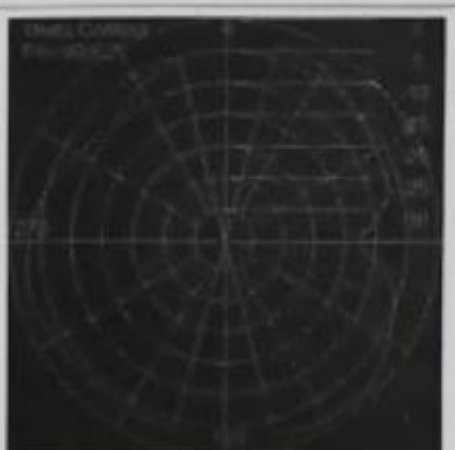
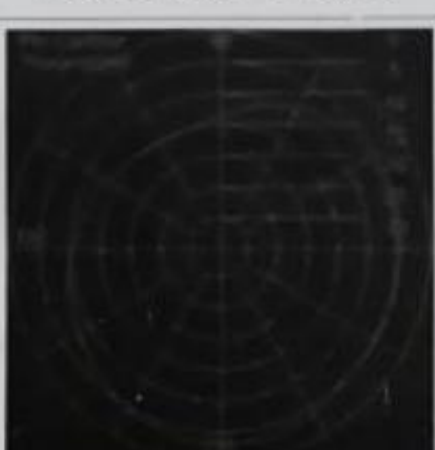
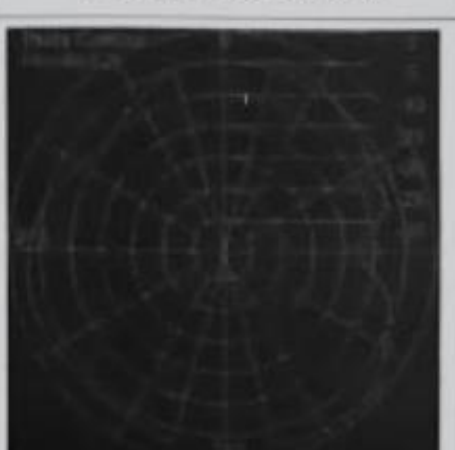


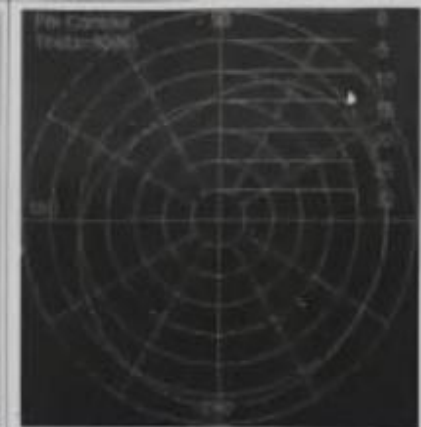
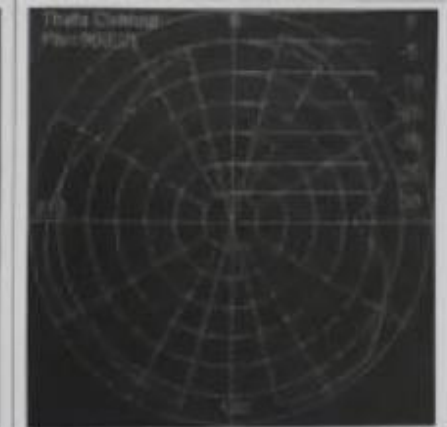
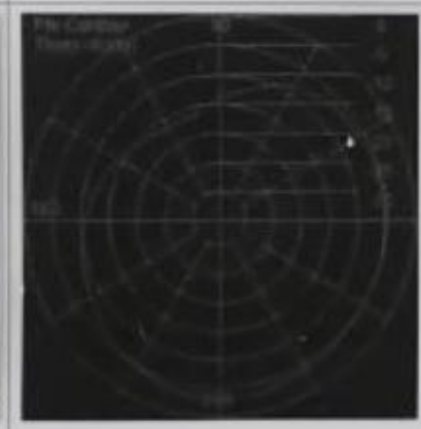
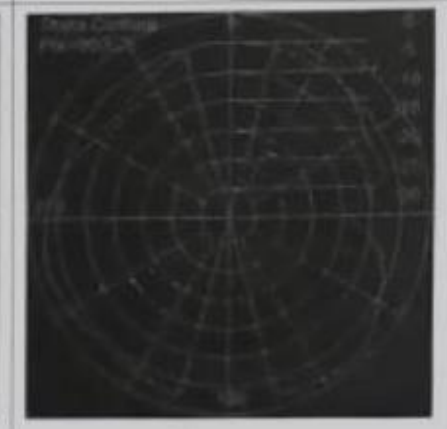
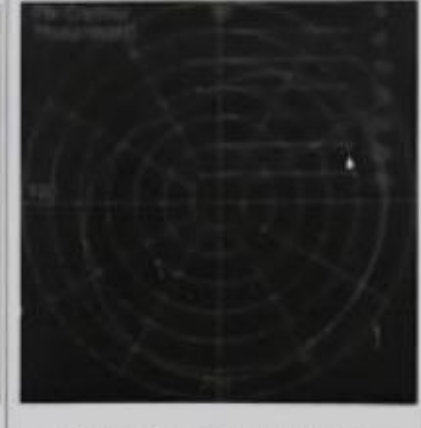
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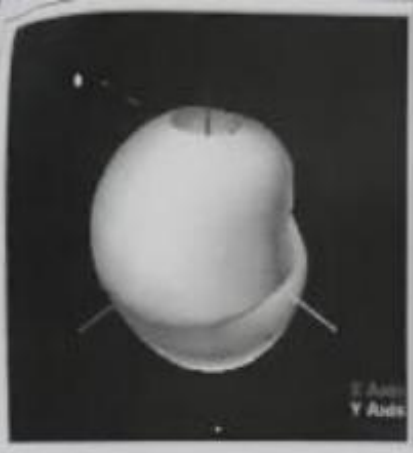
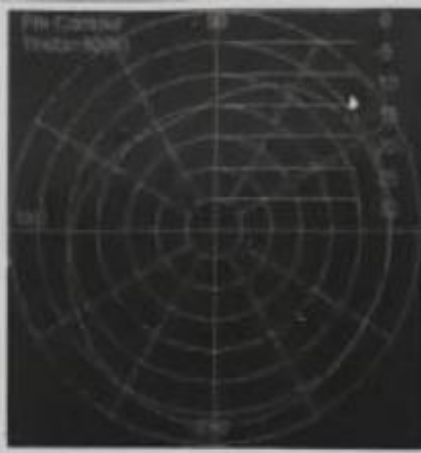
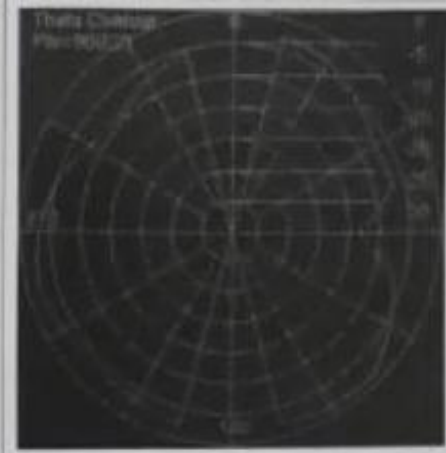
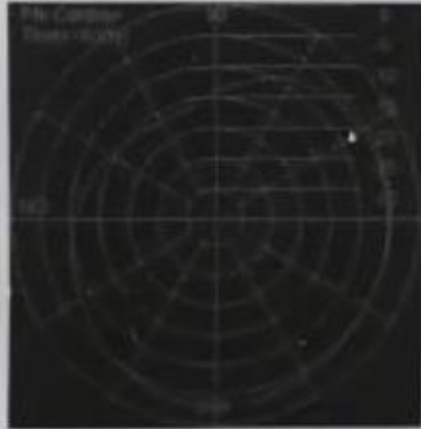
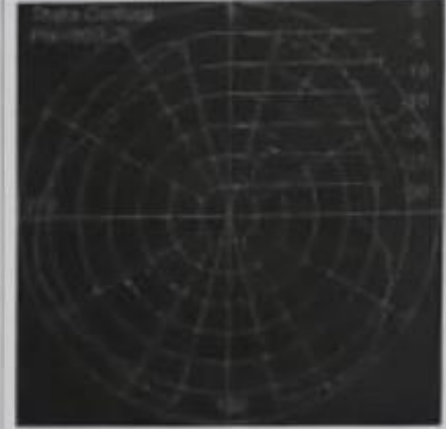
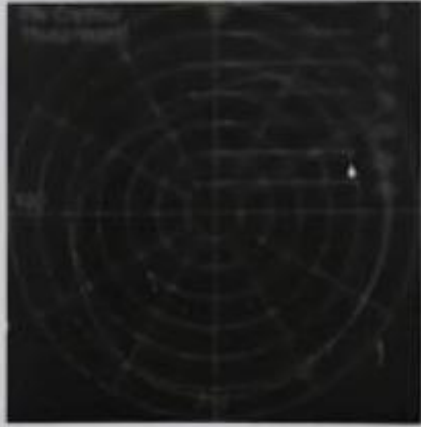
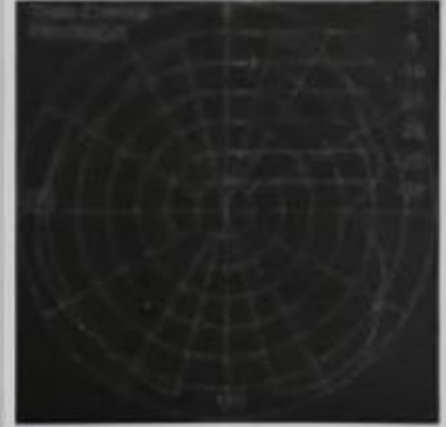


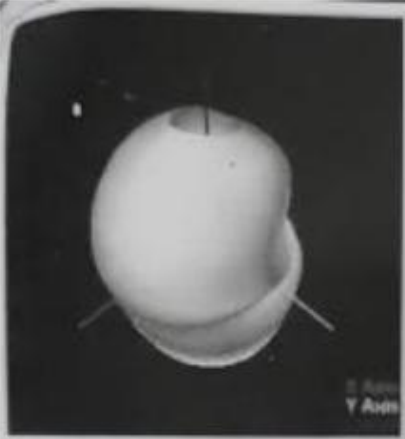
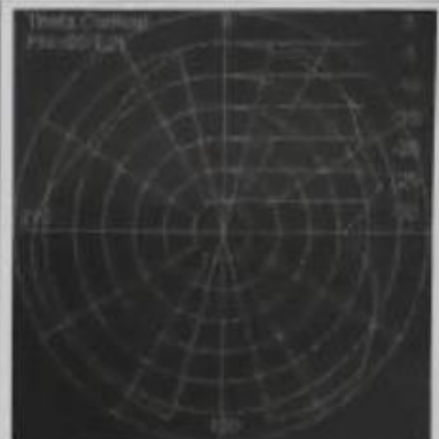
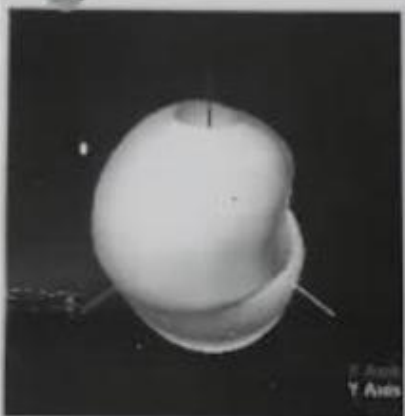
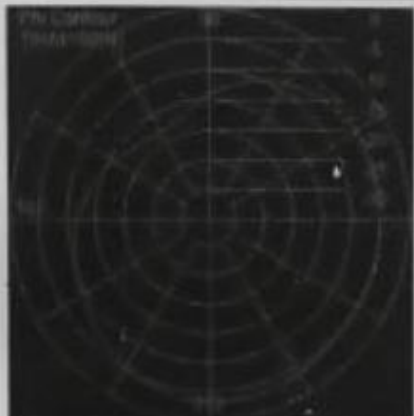
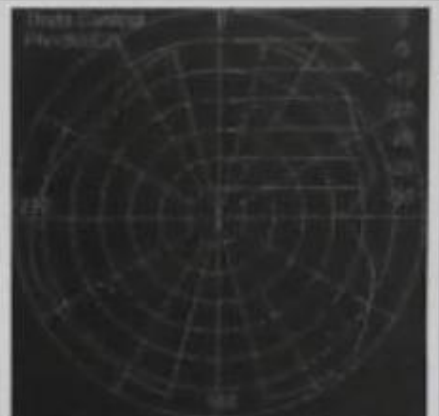
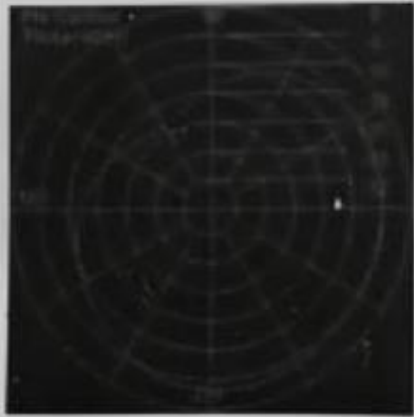
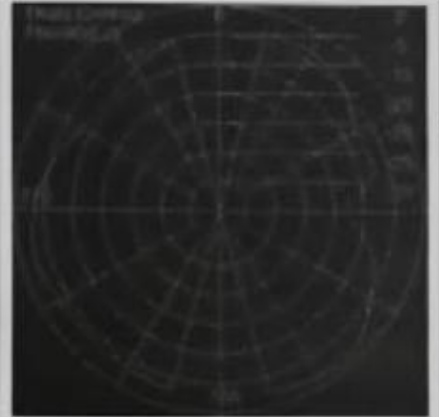
2D、3DRaditation Pattern

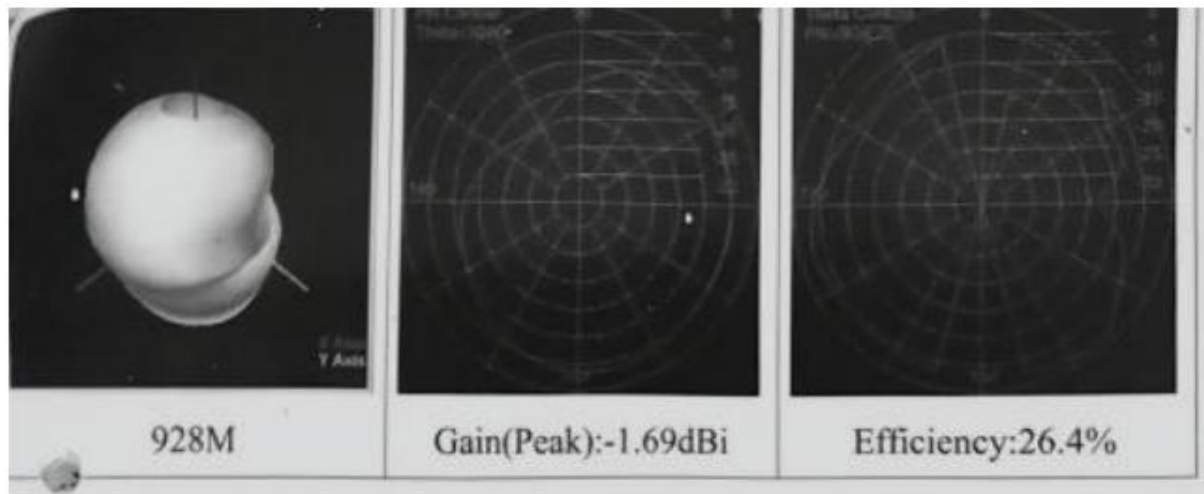


		
883M	Gain(Peak):-1.26dBi	Efficiency:29.3%
		
888M	Gain(Peak):-1.44dBi	Efficiency:28.3%
		
893M	Gain(Peak):-1.6dBi	Efficiency:27.4%

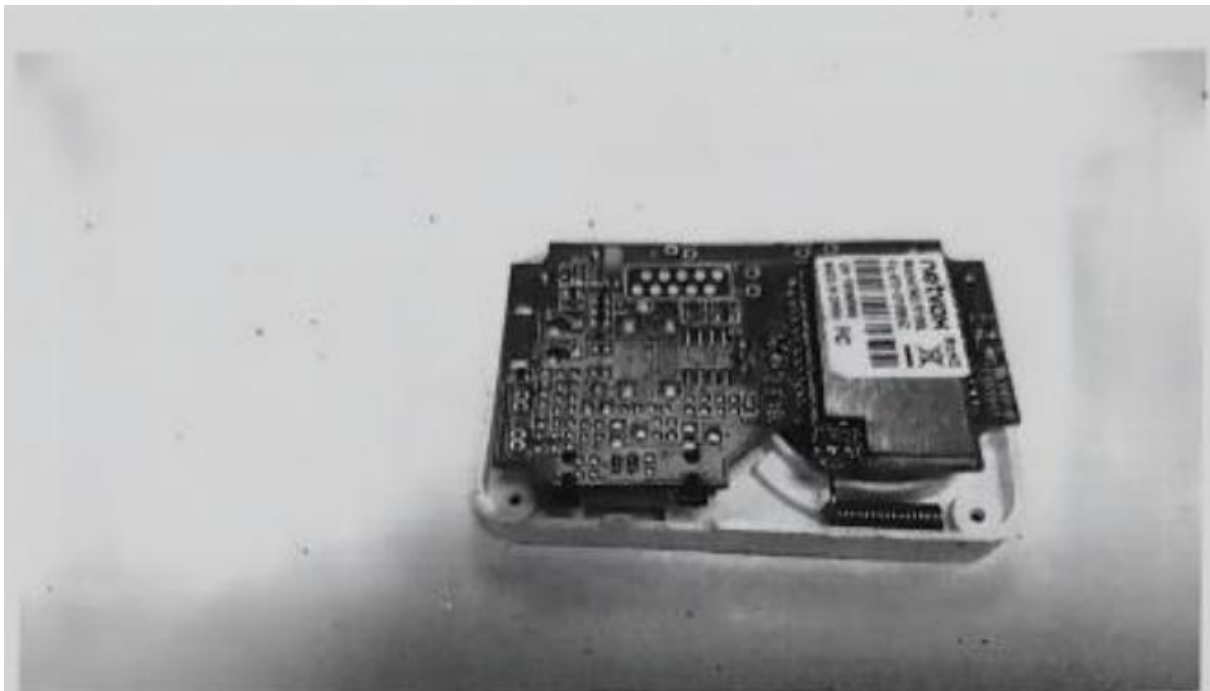
		
898M	Gain(Peak):-1.53dBi	Efficiency:28.2%
		
903M	Gain(Peak):-1.62dBi	Efficiency:28.3%
		
908M	Gain(Peak):-1.94dBi	Efficiency:26.1%

		
898M	Gain(Peak):-1.53dBi	Efficiency:28.2%
		
903M	Gain(Peak):-1.62dBi	Efficiency:28.3%
		
908M	Gain(Peak):-1.94dBi	Efficiency:26.1%

		
913M	Gain(Peak):-1.9dBi	Efficiency:26.5%
		
918M	Gain(Peak):-1.62dBi	Efficiency:27.8%
		
923M	Gain(Peak):-1.6dBi	Efficiency:27.5%



Installation Diagram



Product Performance Testing:

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)
1	868.0	868.00	-1.31	4.10	28.7%	-5.41
2	873.0	873.00	-1.33	4.07	28.9%	-5.40
3	878.0	878.00	-1.41	4.06	28.4%	-5.47
4	883.0	883.00	-1.26	4.07	29.3%	-5.33
5	888.0	888.00	-1.44	4.05	28.3%	-5.49
6	893.0	893.00	-1.60	4.03	27.4%	-5.63
7	898.0	898.00	-1.53	3.97	28.2%	-5.50
8	903.0	903.00	-1.62	3.87	28.3%	-5.48
9	908.0	908.00	-1.94	3.90	26.1%	-5.83
10	913.0	913.00	-1.90	3.88	26.5%	-5.78
11	918.0	918.00	-1.62	3.93	27.8%	-5.55
12	923.0	923.00	-1.60	4.01	27.5%	-5.61
13	928.0	928.00	-1.69	4.09	26.4%	-5.78
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