

DATASHEET

CUSTOMER NAME: _____

CUSTOMER PART NO.: _____

KEXIN PART NO.: _____ KX-BL4G1-30CM

SPECIFICATION: _____

PRODUCTION DATE: _____ 2023-3-2

Factory Confirmation:

Department	Examine	Approval
RF Department	刘景雄	李斌
Structure Department	谢东展	李斌
Quality Department	王飞	李斌

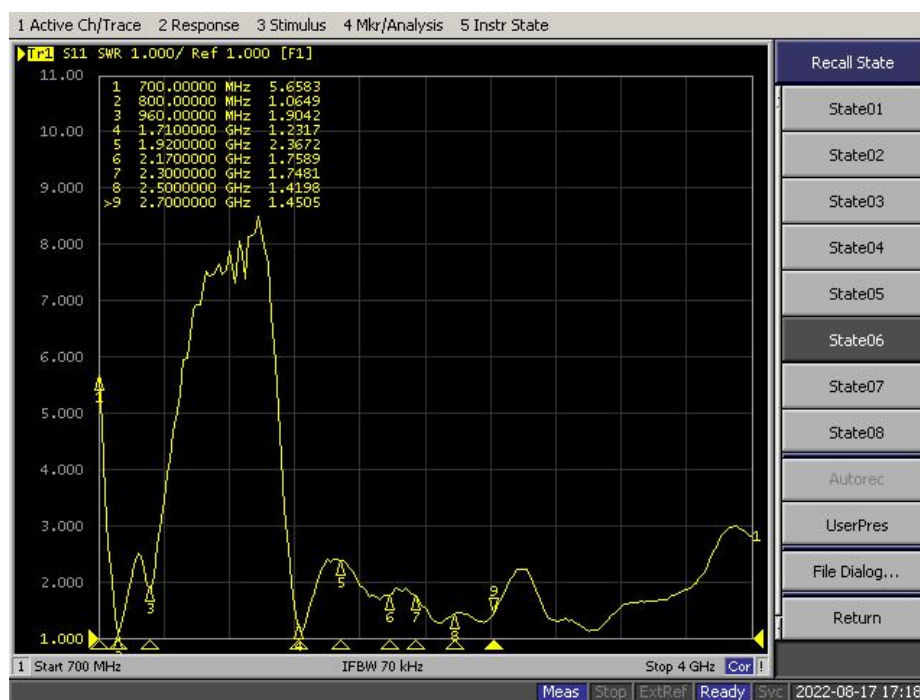
Customer Confirmation:

Check	Examine	Approval

1.Product Picture:



2.VSWR:



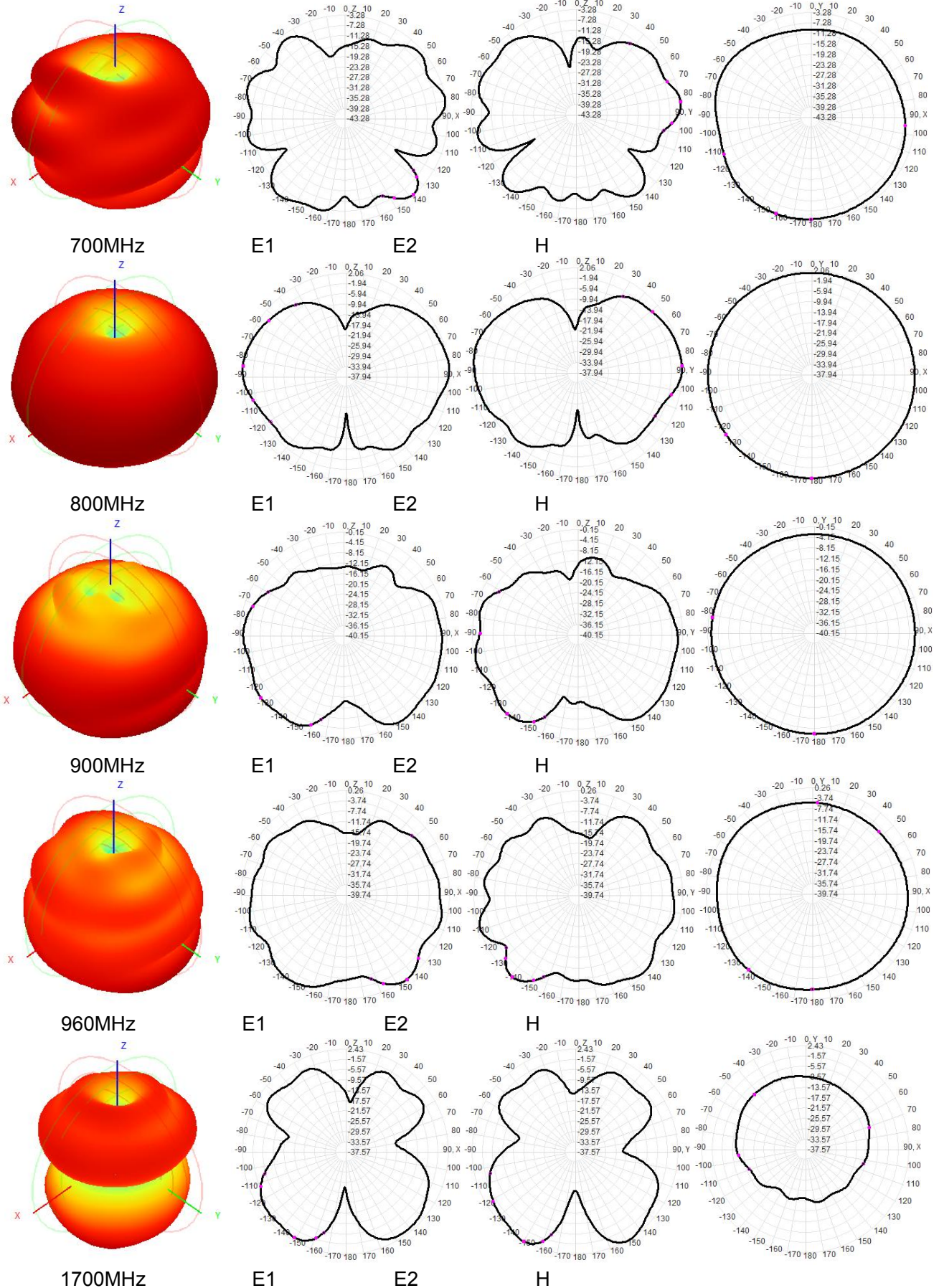
3.Product performance parameters:

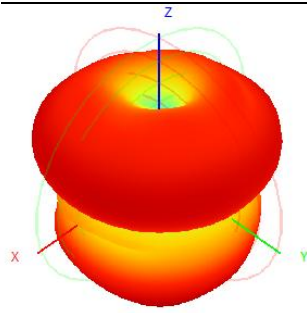
Electrical Specifications	
Frequency Range (MHz)	700-960/1700-2700
Input Impedence (Ω)	50
V.S.W.R	≤ 2.0
Gain (dBi)	3.0 ± 0.5
Polarization Type	Vertical
Maximum power(W)	50W
Vertical lobe Angle (E)	$28 \sim 50^\circ$
Horizontal lobe Angle (H)	360°
Mechanical Specifications	
Material	Copper Bar
Connect Type	N Male
Size	20*300mm
Operating Temp	$-20 \sim +65^\circ\text{C}$
Storage Temp	$-30 \sim +75^\circ\text{C}$

3.2 Efficiency&Gain

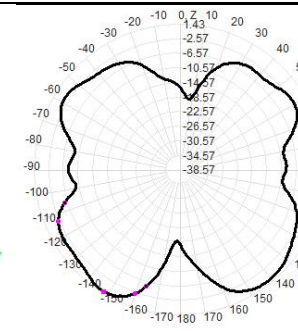
Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
700	20.17	-2.54
800	75.34	2.76
900	47.08	0.04
960	41.62	0.88
1700	48.21	2.52
1800	43.35	1.47
1900	40.15	0.60
2000	44.76	2.11
2100	52.30	1.06
2200	60.12	1.63
2300	58.73	1.06
2400	66.80	2.67
2500	61.47	2.55
2600	68.08	2.52
2700	62.95	2.79

3.3 3D&2D directional diagram

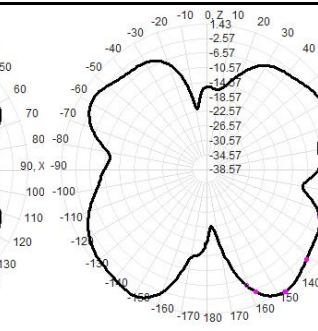




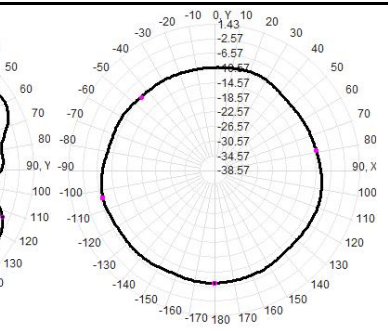
1800MHz



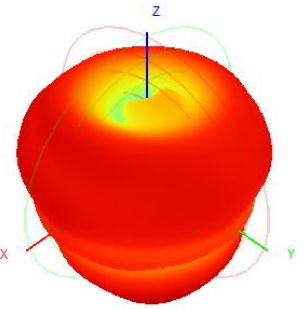
E1



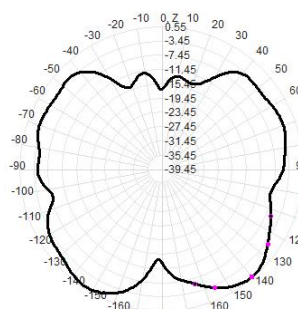
E2



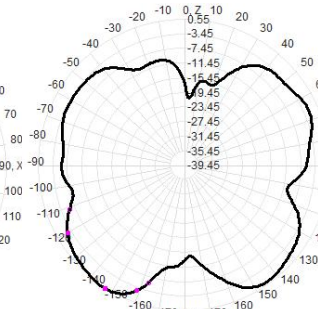
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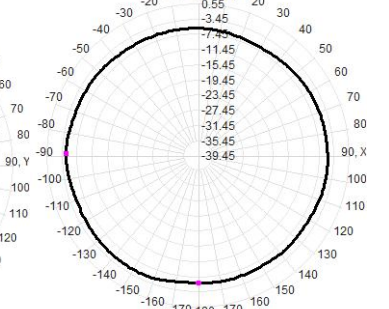
1900MHz



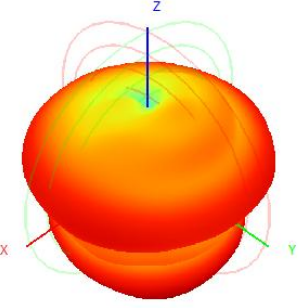
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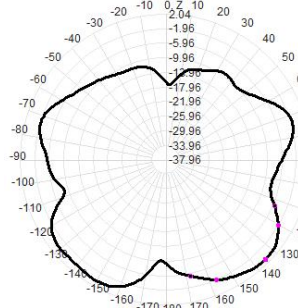
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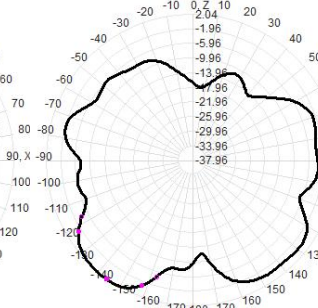
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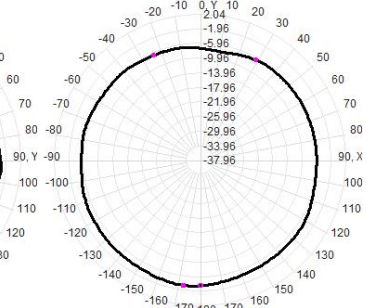
2000MHz



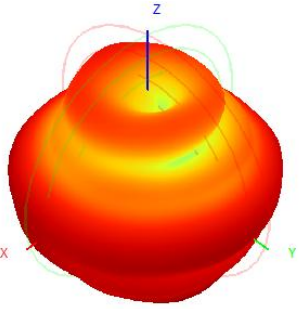
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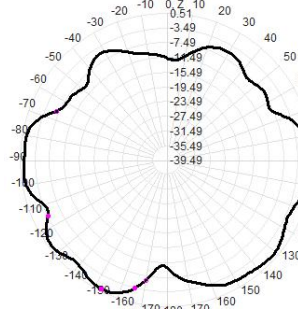
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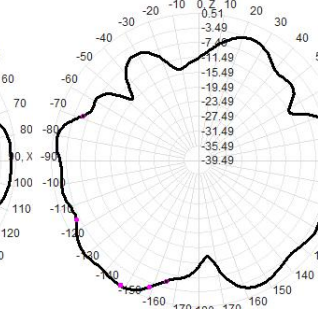
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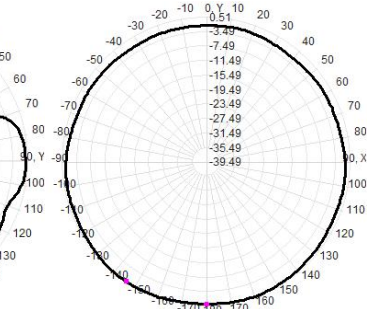
2100MHz



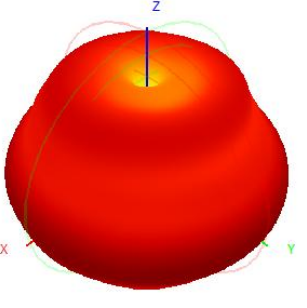
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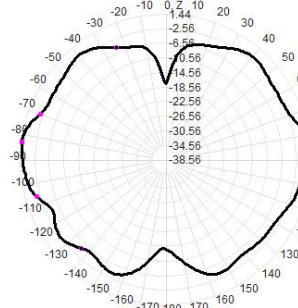
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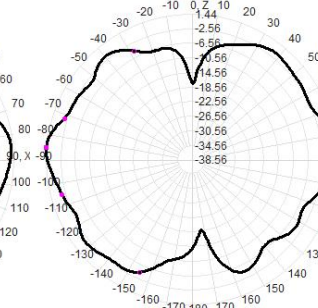
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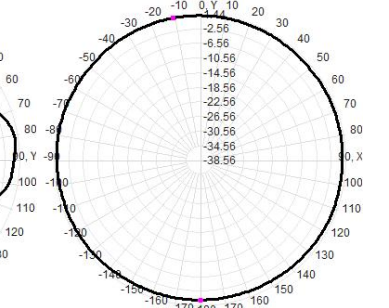
2200MHz



E1



E2



H

