

SPECIFICATION

Customer Name: _____

Customer P/N: _____

Kexin P/N: _____

Specification: Dual-Band Compact Foldable Antenna / L=108.9MM / SMA Male (Female Contact)

Date: Jun 28, 2023

Factory Confirmation:

Department	Review	Approval
RF Department	Liu Jingxiong	Li Bin
Mechanical Dept.	Xie Dongzhan	Li Bin
Quality Dept.	Wang Fei	Li Bin

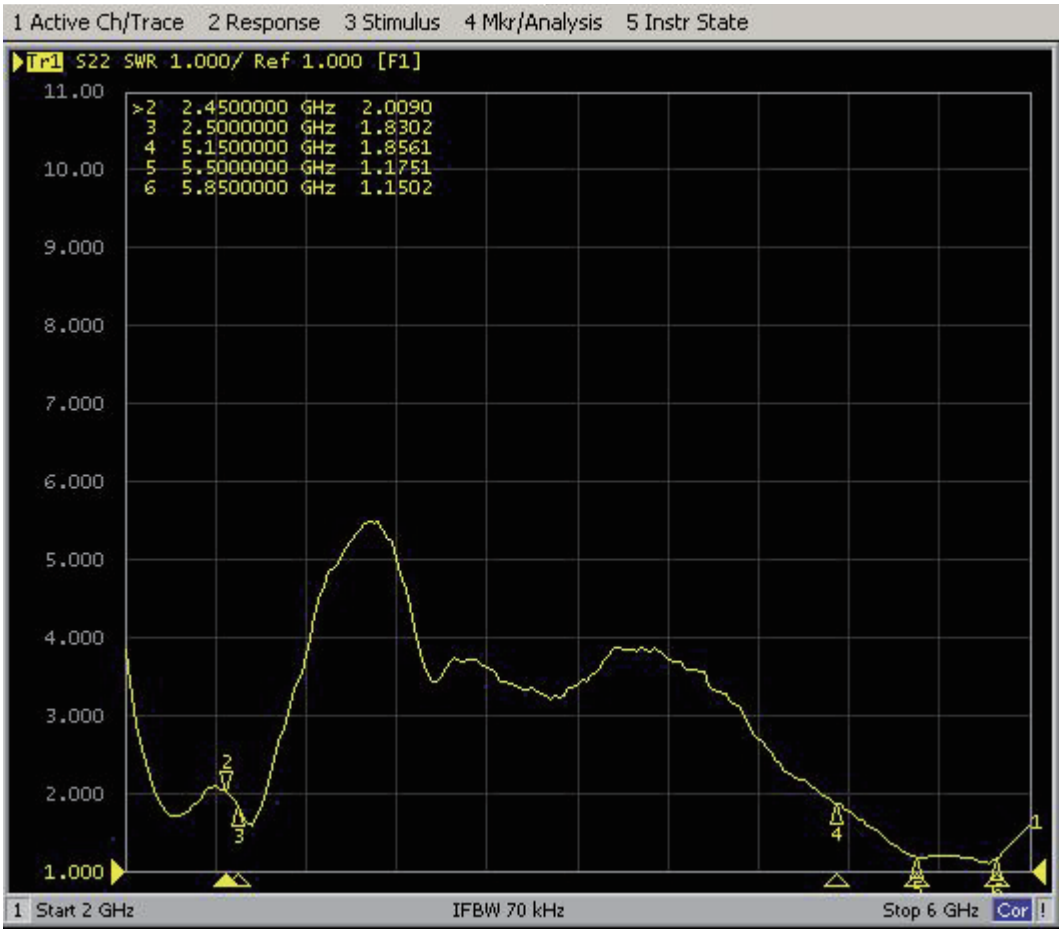
Customer Confirmation:

Inspection	Review	Approval

1. Product Image



2. Electrical Performance Test Report:



3. Product Performance Specifications:

Electrical Specifications	
Frequency Range (MHz)	2400MHz-2500MHz
Input Impedance (Ω)	50
VSWR	≤ 2.0 Unmatched device; for reference only
Gain (dBi)	3.0 ± 0.5 Unmatched device; for reference only
Polarization	Vertical
Maximum Power (W)	10W
Vertical-plane Beamwidth (E)	45~60°
Horizontal-plane Beamwidth (H)	360°
Mechanical Specifications	
Connector Type	SMA Male (Female Contact)
Cable Type	/
Antenna Dimensions	108.9*10MM
Operating Temperature	-20 ~ +65 °C
Storage Temperature	-30 ~ +75 °C

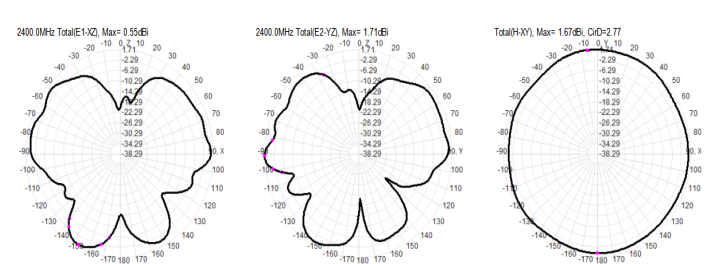
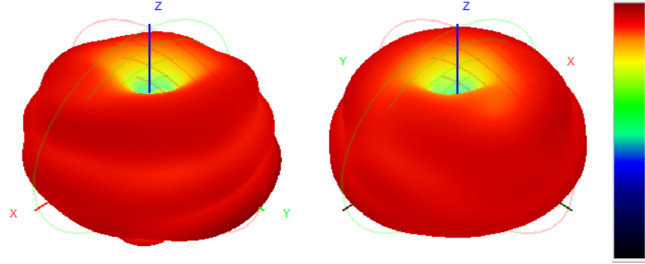


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Frequency ID	1	2	3	4	5	6	7	8	9	10
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0
Efficiency (dBi)	-2.54	-2.64	-2.77	-2.74	-2.64	-2.48	-2.40	-2.27	-2.07	-1.96
Gain (dBi)	2.08	1.79	1.58	1.47	1.40	1.31	1.06	1.27	1.56	1.74
Efficiency (%)	55.70	54.44	52.85	53.17	54.43	56.47	57.49	59.36	62.11	63.73
Directivity (dB)	4.62	4.43	4.35	4.21	4.04	3.80	3.46	3.54	3.63	3.69
Peak Gain Position (Theta)	148.00	149.00	149.00	149.00	149.00	149.00	91.00	90.00	90.00	91.00
Peak Gain Position (Phi)	35.00	36.00	38.00	39.00	40.00	41.00	115.00	115.00	115.00	116.00
Efficiency ThetaPol (%)	51.64	50.53	49.18	49.67	51.11	53.36	54.65	56.70	59.59	61.35
Efficiency PhiPol (%)	4.06	3.91	3.67	3.50	3.32	3.11	2.85	2.65	2.52	2.38
Upper Hem. Efficiency (%)	34.75	33.89	32.64	32.95	34.06	35.87	37.16	38.95	41.13	42.28
Lower Hem. Efficiency (%)	20.95	20.55	20.21	20.22	20.37	20.60	20.33	20.41	20.98	21.44
T90(H)圆度	2.77	2.45	2.35	2.44	2.57	2.59	2.54	2.37	2.08	1.75
Gain 15deg (dBi)										
E1(XZ)波瓣宽度	25.00	55.00	57.00	55.00	53.00	51.00	49.00	49.00	50.00	52.00
E1(XZ)前后比	0.00	0.03	0.39	0.95	1.51	2.03	2.63	3.23	3.83	4.30
E2(YZ)波瓣宽度	17.00	18.00	18.00	40.00	54.00	54.00	55.00	57.00	58.00	59.00
E2(YZ)前后比	1.63	1.38	1.03	0.68	0.46	0.43	0.66	1.09	1.65	2.28
最大增益处轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
仰角10度最差(大)轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY)波瓣宽度	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
Hc(XY)前后比	1.90	1.71	1.70	1.81	1.90	1.78	1.66	1.47	1.32	1.16
Empty										

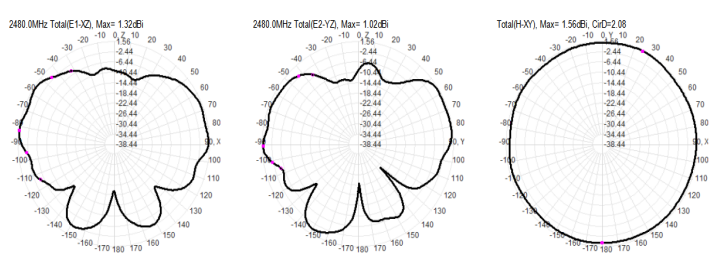
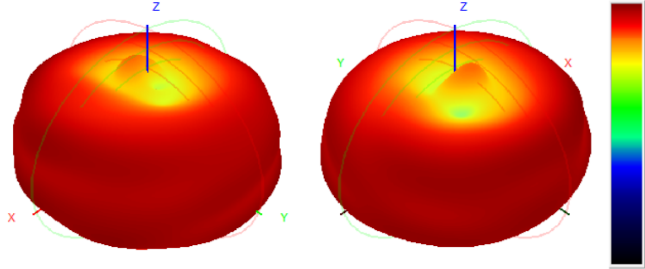
2400.0MHz H+V, Eff: 55.7%

Back View



2480.0MHz H+V, Eff: 62.1%

Back View



2500.0MHz H+V, Eff: 66.6%

Back View

