



Specification

Customer: SuZhou Saixun Communication Technology Co., Ltd.

Product: PCB Antenna

specification: I-PEX, PCB-0.81Cable, L=85mm

material No. : SX-007-2208

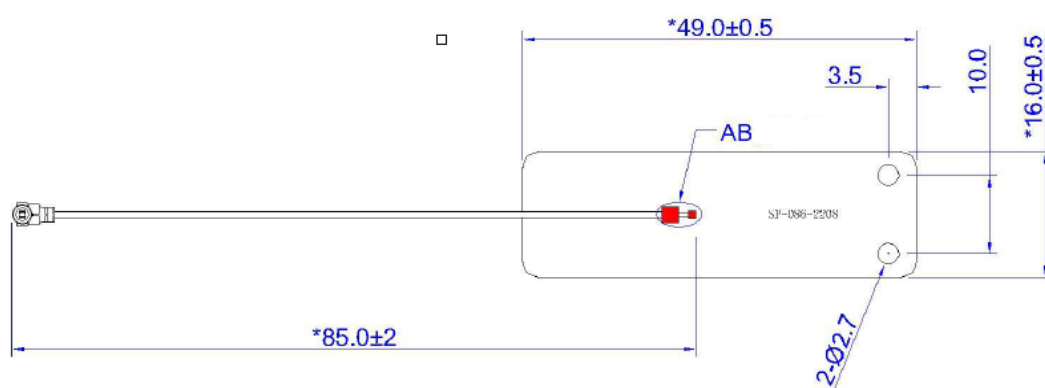
*SuZhou Saixun Communication Technology Co., Ltd.

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Electrical parameters

Frequency range	2.4-2.5GHz
Characteristic impedance	50 Ω
VSWR	≤ 2.0
Antenna	dipole
Polarization mode	horizontal/vertical
Gain	0.23dBi
efficiency	report

Mechanical properties

connector	I-PEX I
Feeder specifications	RF 0.81
Feeder length	85mm
antenna size	49.0*16.0
Feeder specifications	Screw locking

environment specification

Operating temperature	-45 $\sim$ +85 $^{\circ}$ C
storage temperature	-30 $\sim$ +65 $^{\circ}$ C

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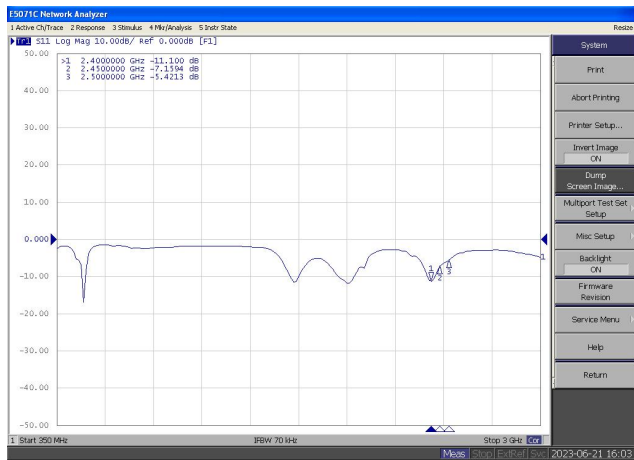
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(return LOSS和VSWR)



return LOSS



VSWR

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (dBi)	-6.02	-6.22	-6.30	-6.31	-6.59	-7.18	-7.46	-7.46	-7.51	-8.06	-8.60
Gain (dBi)	0.00	0.15	0.23	0.22	-0.16	-1.32	-1.37	-1.25	-1.21	-1.69	-2.47
Efficiency (%)	24.99	23.89	23.43	23.38	21.95	19.15	17.93	17.95	17.73	15.65	13.81

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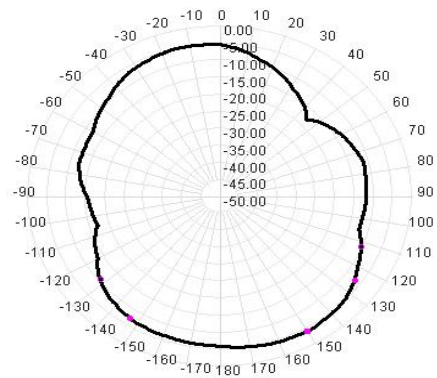
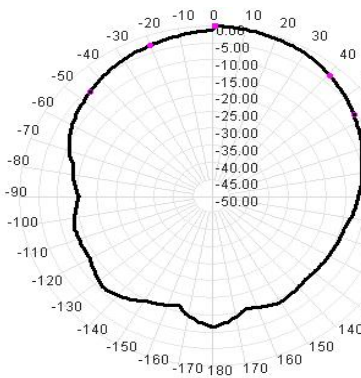
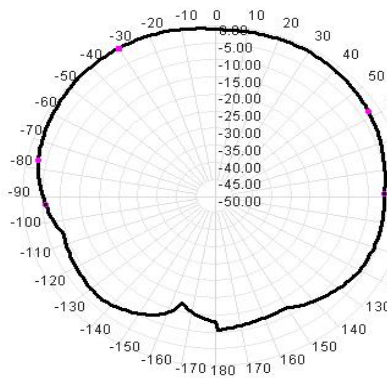


(2D&3D) 2400.0MHz

Total(E1-XZ), Max= 0.00dBi

2400.0MHz Total(E2-YZ), Max= -0.03dBi

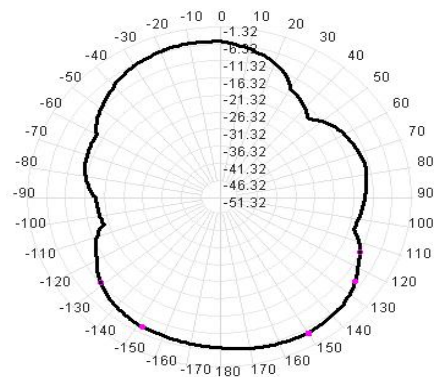
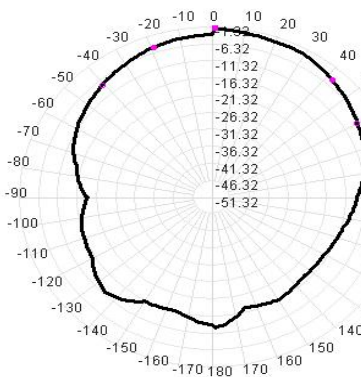
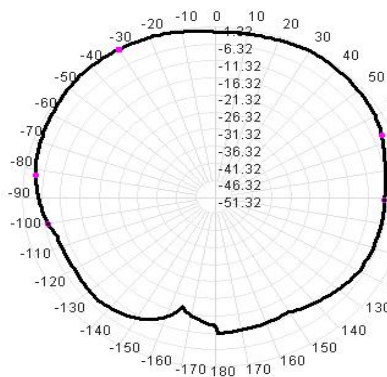
Total(H-XY), Max= -4.37dBi, CirD=14.08



2450.0MHz Total(E1-XZ), Max= -1.32dBi

2450.0MHz Total(E2-YZ), Max= -1.81dBi

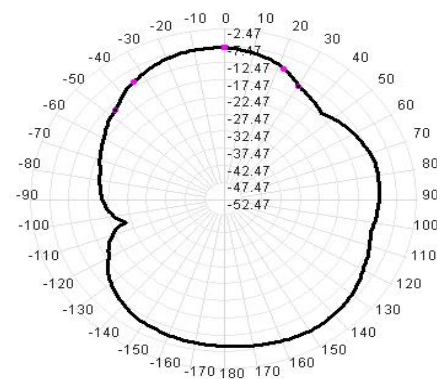
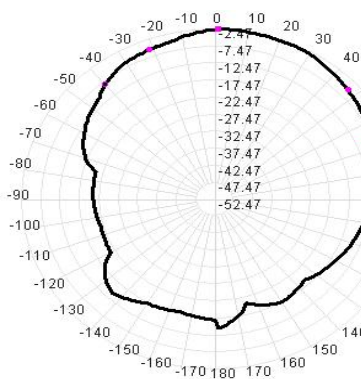
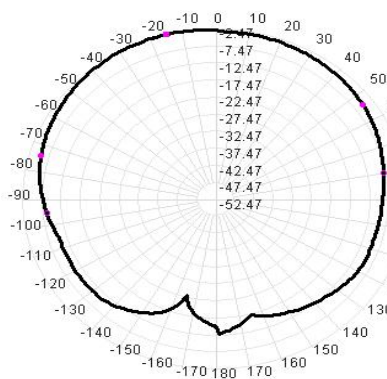
Total(H-XY), Max= -5.42dBi, CirD=14.73



2500.0MHz Total(E1-XZ), Max= -2.48dBi

2500.0MHz Total(E2-YZ), Max= -2.47dBi

Total(H-XY), Max= -7.90dBi, CirD=18.46



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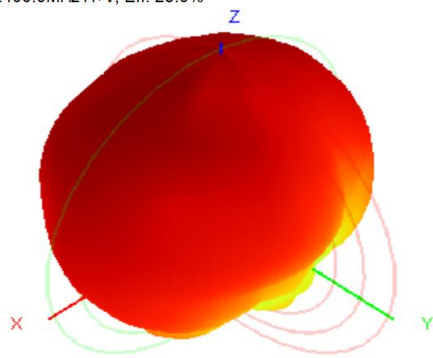
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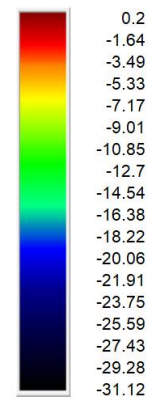
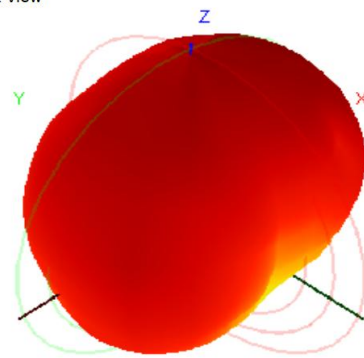
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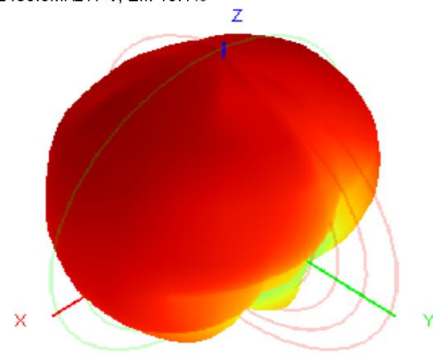
2400.0MHz H+V, Eff: 25.0%



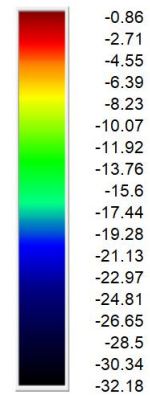
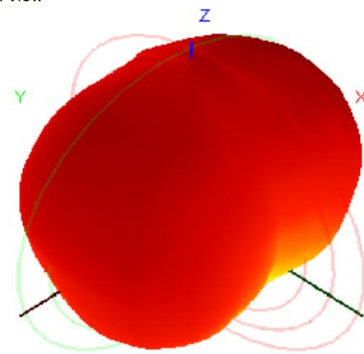
Back View



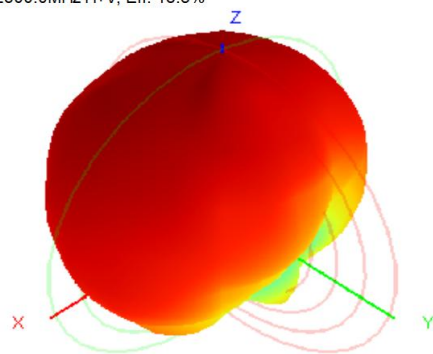
2450.0MHz H+V, Eff: 19.1%



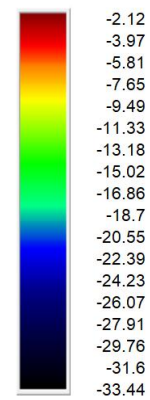
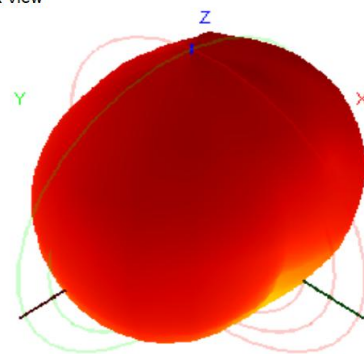
Back View



2500.0MHz H+V, Eff: 13.8%



Back View



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