

Antenna specification and model	Antenna model	2.4G Oars antenna
	Antenna type	External rod antenna
	Antenna size	160*18MM

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.00	-2.05	-2.19	-2.20	-2.29	-2.48	-2.68	-2.85	-3.02	-3.04	-2.92
Gain (dBi)	1.54	1.74	1.89	2.08	1.96	1.57	1.00	0.71	0.47	0.24	0.20
Efficiency (%)	63.10	62.34	60.35	60.23	58.98	56.44	53.93	51.83	49.90	49.65	51.01
Directivity (dB)	3.54	3.80	4.09	4.28	4.25	4.06	3.68	3.56	3.49	3.28	3.13
Peak Gain Position (Theta)	76.00	80.00	81.00	81.00	81.00	80.00	80.00	55.00	56.00	56.00	83.00
Peak Gain Position (Phi)	232.00	257.00	258.00	258.00	259.00	260.00	261.00	113.00	92.00	88.00	276.00
Efficiency ThetaPol (%)	62.13	61.38	59.40	59.24	57.95	55.42	52.93	50.86	48.98	48.77	50.17
Efficiency PhiPol (%)	0.97	0.95	0.95	1.00	1.02	1.00	1.00	0.97	0.92	0.88	0.85
Upper Hem. Efficiency (%)	44.40	44.89	44.45	45.03	44.41	42.39	40.02	37.76	35.51	34.50	34.66
Lower Hem. Efficiency (%)	18.70	17.45	15.89	15.21	14.57	14.05	13.92	14.06	14.40	15.15	16.35
T90(H) 圆度	1.37	1.48	1.67	2.04	2.44	2.64	2.58	2.66	2.58	2.29	2.09
Gain 15deg (dBi)											
E1(XZ) 波瓣宽度	67.00	68.00	69.00	69.00	71.00	73.00	74.00	71.00	73.00	75.00	74.00
E1(XZ) 前后比	10.35	9.74	9.18	8.54	7.91	7.67	7.85	8.14	8.54	8.97	9.55
E2(YZ) 波瓣宽度	70.00	69.00	61.00	58.00	58.00	60.00	44.00	67.00	66.00	66.00	
E2(YZ) 前后比	8.09	7.91	7.76	7.53	7.15	6.76	6.28	6.28	6.43	6.62	7.08
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	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	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	360.00
Hc(XY) 前后比	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Empty											



