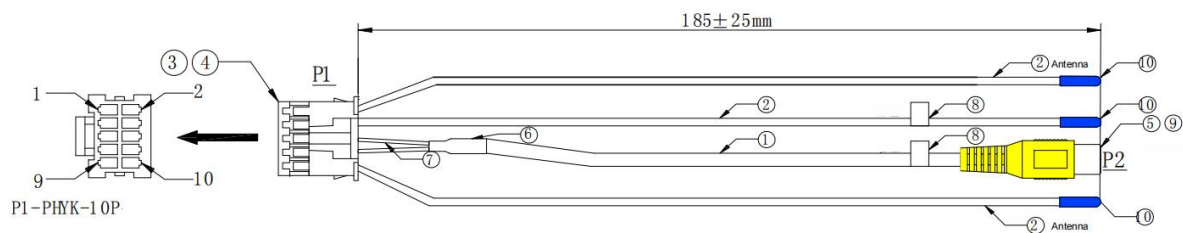


Antenna Specifications

ITEM	ANT SPEC		
Model Name	ANT		
Center Frequency	2400MHz	2450MHz	2500MHz
Gain	0.7	0.6	-0.6
MAX. Gain	0.7		
Azimuth Beam Pattern	Omni-directional		
Impedance	50 Ohm		
AntennaLength	185±25mm		
Antenna Type	External antenna		
Manufacture	Shenzhen Yufengzhixing Electronics Tech Co Ltd		
Address	RM301-01, Yuan Shuo Tech Park, No8 Nanxiang, Xinshiqiao St, Guanlan, Longhua, Shenzhen		

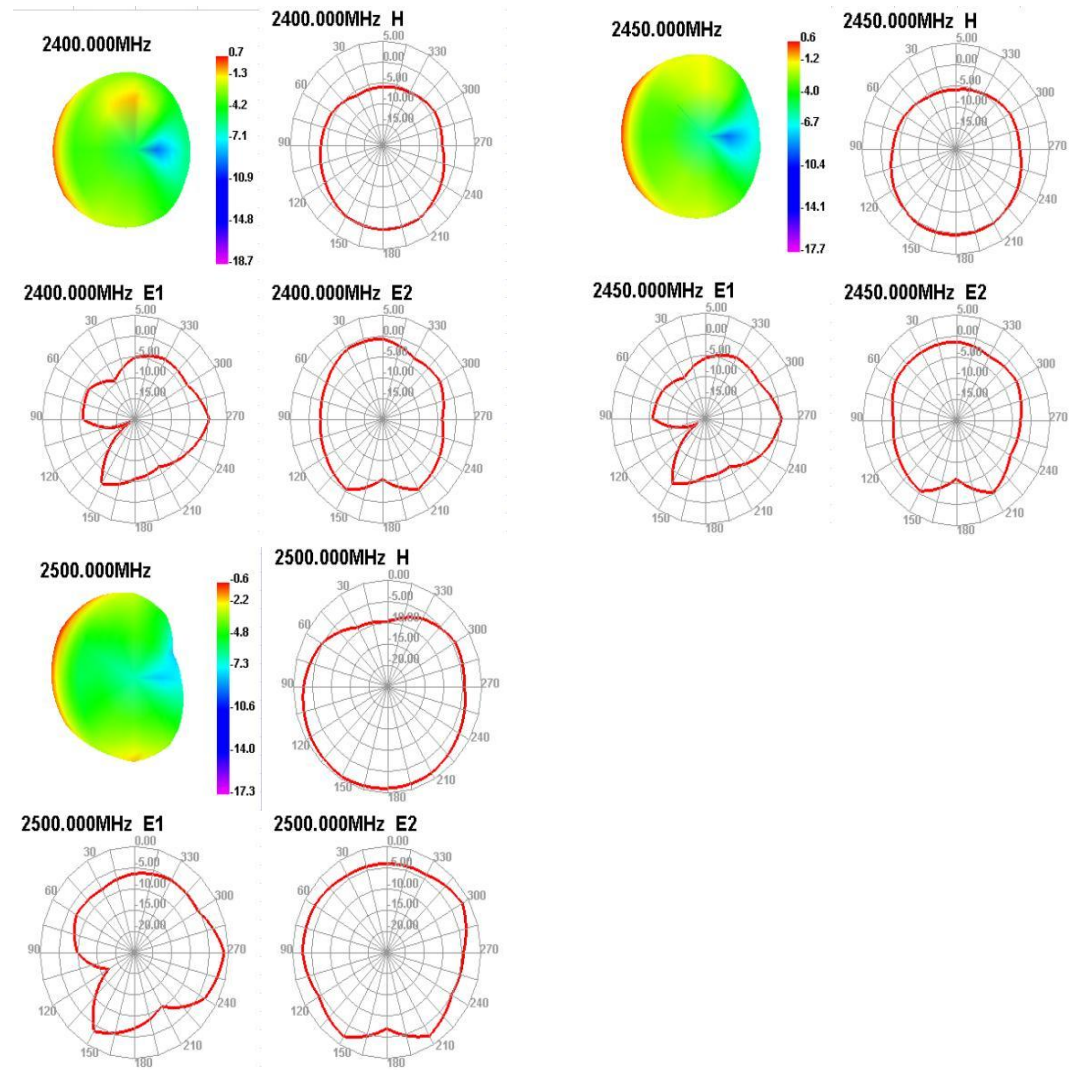
1. Antenna Photo & Length (mm)



2. Passive test data

Frequency (MHz)	Effi(%)	Gain(dBi)
2400	42.70	0.70
2410	42.26	0.67
2420	43.11	0.63
2430	44.85	0.69
2440	45.22	0.54
2450	44.16	0.60
2460	44.58	0.17
2470	44.31	0.28
2480	42.11	0.46
2490	41.67	0.57
2450	42.64	-0.6

3. Directional diagram



Frequency ID	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Frequency (MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Efficiency (dBi)	-3.91	-4.25	-4.62	-5.10	-5.42	-4.48	-3.49	-3.73	-3.67	-3.97	-5.59	-6.24	-5.69	-5.02	-4.43
Gain (dBi)	1.32	1.38	0.66	0.00	0.14	0.33	1.46	1.31	1.25	1.56	0.47	-0.36	-0.47	0.59	1.40
Efficiency (%)	40.66	37.55	34.52	30.87	28.74	35.62	44.77	42.39	42.96	40.08	27.62	23.80	26.98	31.46	36.10
Directivity (dB)	6.23	5.63	5.28	5.11	5.55	4.81	4.95	5.04	4.92	5.53	6.05	5.87	5.22	5.62	6.12
Peak Gain Position (Theta)	150.00	150.00	90.00	90.00	150.00	90.00	90.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Peak Gain Position (Phi)	45.00	45.00	315.00	285.00	60.00	240.00	240.00	15.00	15.00	15.00	15.00	330.00	30.00	30.00	345.00
Efficiency ThetaPol (%)	36.69	33.57	31.64	28.61	26.11	32.83	41.77	39.08	40.06	37.41	25.64	22.20	25.26	29.52	34.28
Efficiency PhiPol (%)	3.97	3.98	2.88	2.27	2.63	2.80	3.00	3.31	2.91	2.67	1.98	1.59	1.72	1.94	1.82
Upper Hem. Efficiency (%)	21.03	19.34	18.18	15.90	15.59	18.99	24.10	23.88	24.79	23.17	16.48	14.24	16.64	19.38	22.68
Lower Hem. Efficiency (%)	19.63	18.21	16.34	14.97	13.15	16.63	20.67	18.51	18.17	16.91	11.15	9.56	10.34	12.08	13.42

