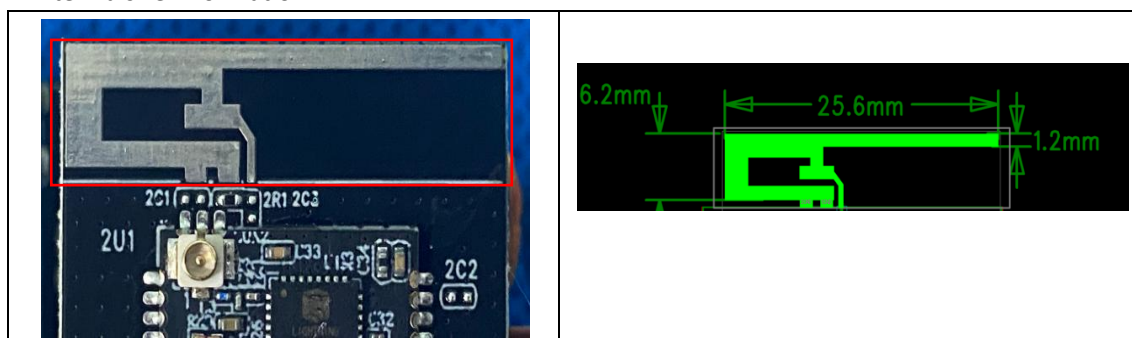


Antenna specifications

Product Name	WiFi Antenna
Antenna type	PCB
Maximum antenna gain	-1.77 dBi
Frequency Range	2400-2500MHz
Manufacturer	Hunan Dianxiaoku Technology Co., Ltd.
Address	2F 203, 204, 3F, 4F, Building 6, Hongshi Ecological Science Park, Shaoyang County, Shaoyang City, Hunan, Province, 422100 China

Antenna size information



Test Data:

																					
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Frequency (MHz)	2400.0	2405.0	2410.0	2415.0	2420.0	2425.0	2430.0	2435.0	2440.0	2445.0	2450.0	2455.0	2460.0	2465.0	2470.0	2475.0	2480.0	2485.0	2490.0	2495.0	2500.0
Efficiency (dB)	-7.17	-7.06	-7.26	-7.52	-7.52	-7.47	-7.54	-7.67	-7.64	-7.52	-7.65	-7.86	-7.87	-7.62	-7.64	-7.81	-7.65	-7.52	-7.65	-7.70	-7.50
Gain (dBi)	-2.34	-2.28	-2.57	-2.88	-2.94	-2.87	-2.93	-2.98	-2.86	-2.61	-2.62	-2.69	-2.63	-2.27	-2.24	-2.36	-2.18	-2.02	-2.16	-2.11	-1.77
Efficiency (%)	19.19	19.66	18.79	17.68	17.69	17.89	17.60	17.12	17.23	17.70	17.20	16.38	16.33	17.29	17.20	16.57	17.19	17.71	17.17	16.97	17.79
Directivity (dB)	4.83	4.78	4.69	4.64	4.58	4.60	4.62	4.68	4.78	4.91	5.02	5.16	5.24	5.36	5.41	5.45	5.47	5.50	5.49	5.59	5.72
Peak Gain Position (Theta)	54.00	53.00	52.00	52.00	52.00	52.00	51.00	50.00	49.00	49.00	48.00	48.00	47.00	47.00	46.00	46.00	46.00	47.00	48.00	75.00	75.00
Peak Gain Position (Phi)	69.00	68.00	67.00	66.00	64.00	63.00	60.00	58.00	55.00	54.00	52.00	52.00	52.00	50.00	51.00	50.00	49.00	48.00	47.00	54.00	54.00
Efficiency ThetaPol (%)	4.80	4.83	4.53	4.21	4.18	4.22	4.16	4.08	4.09	4.15	4.00	3.79	3.78	3.99	3.96	3.78	3.89	4.03	3.92	3.84	3.97
Efficiency PhiPol (%)	14.38	14.83	14.26	13.47	13.51	13.67	13.44	13.04	13.15	13.55	13.20	12.58	12.55	13.30	13.24	12.80	13.30	13.69	13.25	13.13	13.82
Upper Hem. Efficiency (%)	12.01	12.35	11.84	11.16	11.15	11.31	11.15	10.90	11.04	11.45	11.20	10.75	10.80	11.50	11.49	11.09	11.49	11.85	11.46	11.32	11.84
Lower Hem. Efficiency (%)	7.18	7.31	6.96	6.52	6.54	6.58	6.45	6.22	6.19	6.26	6.00	5.62	5.54	5.78	5.71	5.48	5.69	5.86	5.70	5.65	5.95
TPO(仰角度)	12.20	12.04	11.91	11.85	11.80	12.10	11.93	11.98	12.26	12.32	12.46	12.63	12.62	12.48	12.33	12.22	11.99	11.72	11.54	11.38	11.60
Gain 15deg (dBi)																					
E1(XZ)波束宽度	97.00	96.00	94.00	93.00	93.00	93.00	91.00	90.00	91.00	91.00	91.00	91.00	91.00	91.00	92.00	92.00	91.00	91.00	91.00	91.00	91.00
E1(XZ)前后比	2.34	2.51	2.69	2.81	2.89	3.05	3.19	3.37	3.57	3.91	4.17	4.45	4.68	4.82	4.91	4.88	4.71	4.48	4.17	3.78	3.43
E2(YZ)波束宽度	107.00	108.00	108.00	109.00	109.00	110.00	109.00	112.00	111.00	114.00	112.00	114.00	115.00	116.00	117.00	118.00	119.00	120.00	120.00	121.00	123.00
E2(YZ)前后比	5.64	5.43	5.07	4.79	4.50	4.32	4.12	4.02	3.89	3.82	3.83	3.94	4.14	4.38	4.66	4.92	5.04	5.08	5.02	4.98	4.92
最大增益轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	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	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY)波束宽度	92.00	93.00	93.00	95.00	97.00	98.00	104.00	110.00	113.00	114.00	113.00	111.00	108.00	106.00	103.00	101.00	98.00	95.00	93.00	92.00	91.00
Hc(XY)前后比	4.25	4.12	3.98	3.86	3.75	3.81	3.67	3.58	3.57	3.61	3.61	3.65	3.75	3.90	4.07	4.33	4.53	4.75	4.88	4.92	4.89
Empty																					

