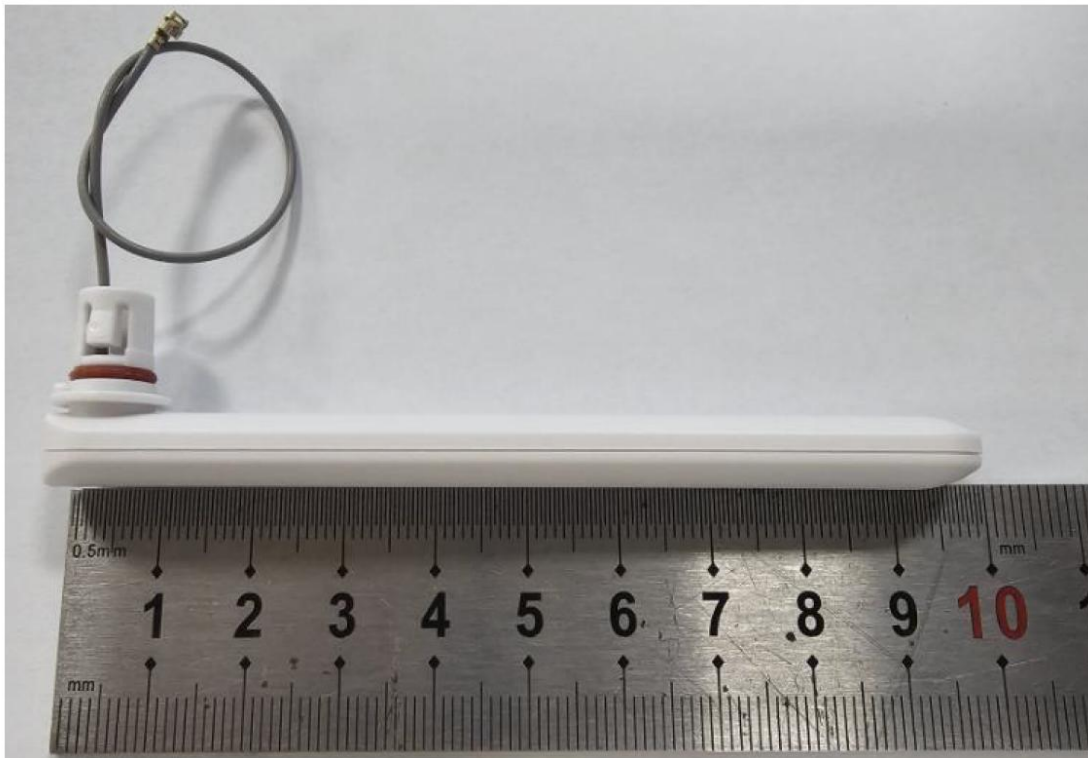
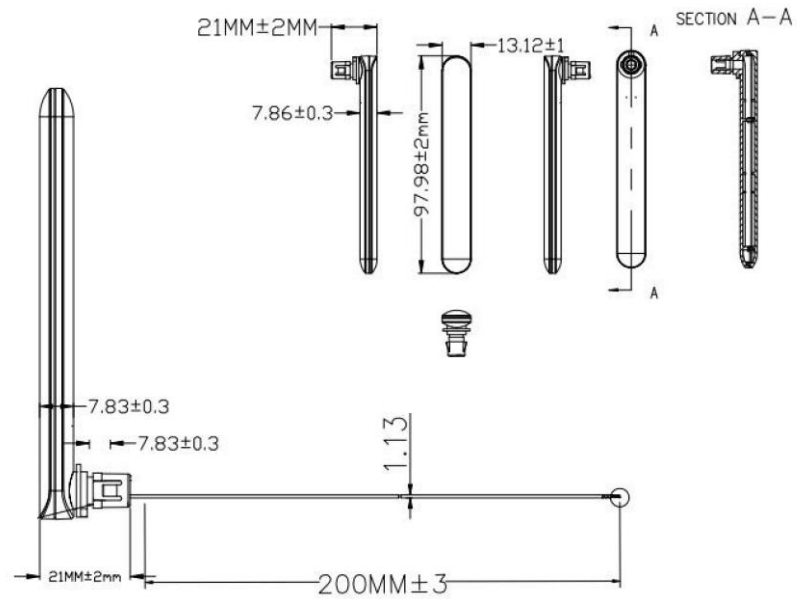

Antenna spec

1. Antenna Description:

Model	E51
Frequency range	2400MHz~2500MHz 5200MHz~5800MHz
Manufacturer	Shenzhen Guandetong Electronic Co., Ltd.
Address	3F, Building D, Maoyuan Industrial Zone, No.21 Shuifeng Road, Longhua District, Shenzhen, Guangdong Province

2. Antenna Photo:





3. Antenna Efficiency and Gain:

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)
1	2400.0	2400.00	2.49	6.78	37.2%
2	2410.0	2410.00	2.63	6.96	36.9%
3	2420.0	2420.00	3.03	7.16	38.6%
4	2430.0	2430.00	3.47	7.25	41.9%
5	2440.0	2440.00	3.07	7.13	39.3%
6	2450.0	2450.00	3.16	7.15	39.8%
7	2460.0	2460.00	3.23	7.15	40.5%
8	2470.0	2470.00	3.07	6.93	41.1%
9	2480.0	2480.00	2.71	6.51	41.7%
10	2490.0	2490.00	2.06	6.25	38.1%
11	2500.0	2500.00	2.25	6.39	38.5%
12	5000.0	5000.00	0.68	5.84	30.5%
13	5020.0	5020.00	0.59	5.62	31.4%
14	5040.0	5040.00	0.43	5.44	31.6%
15	5060.0	5060.00	0.86	5.77	32.3%
16	5080.0	5080.00	0.87	6.50	27.3%
17	5100.0	5100.00	2.28	7.41	30.6%
18	5120.0	5120.00	2.30	7.40	31.0%
19	5140.0	5140.00	2.50	7.46	31.9%
20	5160.0	5160.00	2.27	7.11	32.8%
21	5180.0	5180.00	2.45	7.17	33.7%
22	5200.0	5200.00	2.64	6.88	37.7%
23	5220.0	5220.00	1.94	6.52	34.8%
24	5240.0	5240.00	2.02	6.39	36.6%
25	5260.0	5260.00	1.81	6.64	32.9%
26	5280.0	5280.00	1.26	6.26	31.7%
27	5300.0	5300.00	0.66	5.91	29.9%
28	5320.0	5320.00	0.61	5.45	32.8%
29	5340.0	5340.00	0.70	5.62	32.2%
30	5360.0	5360.00	0.74	5.62	32.5%
31	5380.0	5380.00	1.29	5.97	34.1%
32	5400.0	5400.00	1.29	6.01	33.7%
33	5420.0	5420.00	1.94	6.71	33.3%
34	5440.0	5440.00	2.33	7.23	32.4%
35	5460.0	5460.00	2.69	7.34	34.3%
36	5480.0	5480.00	2.55	7.06	35.4%
37	5500.0	5500.00	2.88	7.12	37.7%
38	5520.0	5520.00	2.50	6.76	37.4%
39	5540.0	5540.00	1.90	6.55	34.3%
40	5560.0	5560.00	1.91	6.59	34.1%
41	5580.0	5580.00	1.92	6.97	31.3%
42	5600.0	5600.00	1.50	6.80	29.5%
43	5620.0	5620.00	1.31	6.90	27.6%
44	5640.0	5640.00	1.86	7.07	30.1%
45	5660.0	5660.00	1.70	6.87	30.4%
46	5680.0	5680.00	1.24	6.39	30.6%
47	5700.0	5700.00	1.56	6.80	30.0%
48	5720.0	5720.00	2.44	7.05	34.6%
49	5740.0	5740.00	2.19	6.61	36.2%
50	5760.0	5760.00	1.98	6.42	36.0%
51	5780.0	5780.00	1.88	6.62	33.6%
52	5800.0	5800.00	1.56	6.51	32.0%

4.Radiation Pattern:

