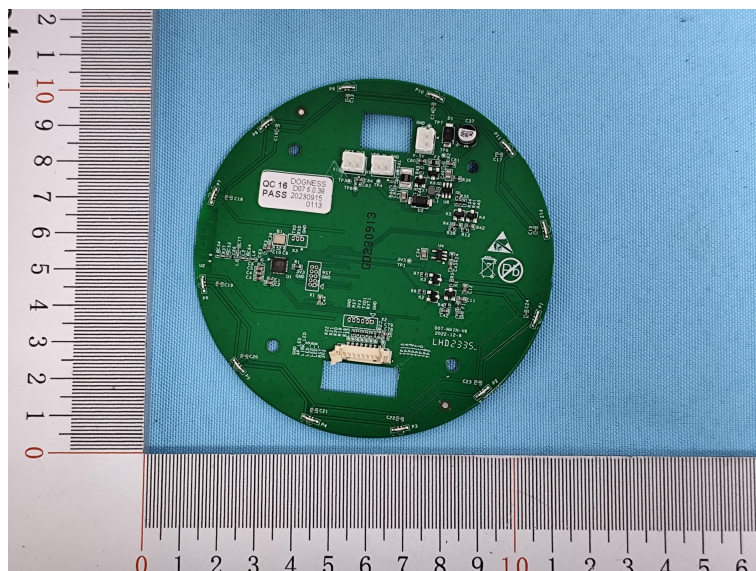


ANTENNA SPECIFICATION

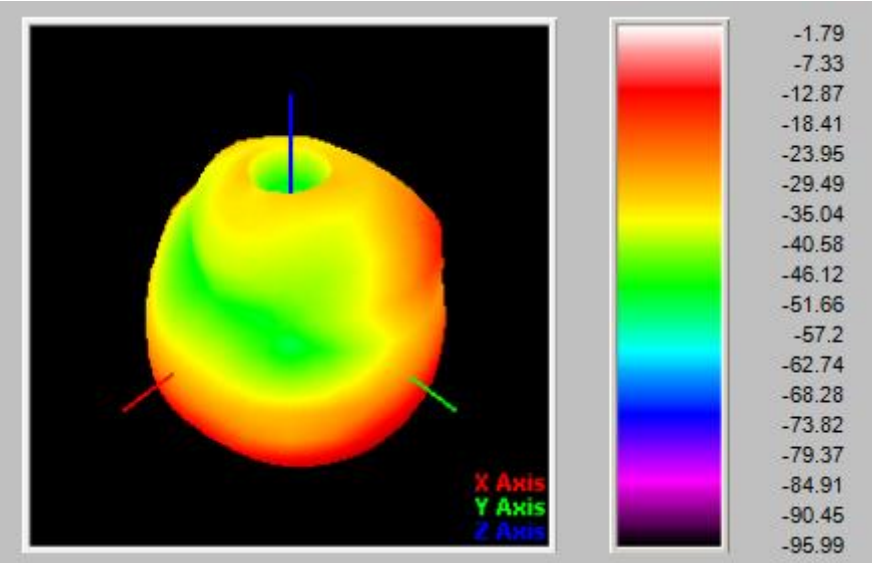
Summary

ITEM	DONGLE ANT SPEC		
Model Name	2.4G ANT		
Center Frequency dBi	2400MHz	2440MHz	2500MHz
	-5.84	-3.77	-1.79
MAX. Gain(dBi)	-1.79		
Azimuth Beam Pattern	Omni-directional		
Impedance	50 Ohm		
Antenna Length	13mm*0.5mm		
Manufactures	Dongguan Jiasheng Industrial Co., Ltd		
Address	No. 18 Dongke North Road, Dongcheng Street, Dongguan City, Guangdong Province, China		

Antenna Photo & Length (mm)



2500MHz



Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	2400.0	-13.13	-5.84	5.36	7.6%	-11.20	-5.84	10500	9000	-95.99	0	0	-11.36	90.15	5.52	-84.63
2	2410.0	-13.46	-5.33	5.65	8.0%	-10.98	-5.33	10500	9000	-95.99	0	0	-10.91	90.66	5.59	-85.08
3	2420.0	-13.76	-4.70	5.86	8.8%	-10.56	-4.70	10500	9000	-95.99	0	0	-10.23	91.29	5.54	-85.76
4	2430.0	-13.62	-3.67	5.91	11.0%	-9.58	-3.67	10500	9000	-95.99	0	0	-9.11	92.32	5.44	-86.88
5	2440.0	-13.64	-3.77	5.73	11.2%	-9.50	-3.77	12000	7500	-95.99	0	0	-9.09	92.22	5.31	-86.90
6	2450.0	-13.91	-3.48	5.80	11.8%	-9.28	-3.48	12000	9000	-95.99	0	0	-8.87	92.51	5.39	-87.12
7	2460.0	-13.93	-3.05	5.83	13.0%	-8.88	-3.05	12000	9000	-95.99	0	0	-8.48	92.94	5.43	-87.51
8	2470.0	-13.97	-2.68	5.69	14.5%	-8.37	-2.68	12000	9000	-95.99	0	0	-8.18	93.31	5.50	-87.81
9	2480.0	-14.17	-2.20	5.34	17.6%	-7.55	-2.20	12000	9000	-95.99	0	0	-7.73	93.79	5.53	-88.26
10	2490.0	-13.86	-2.04	5.24	18.7%	-7.28	-2.04	12000	9000	-95.99	0	0	-7.53	93.95	5.48	-88.46
11	2500.0	-13.96	-1.79	5.11	20.4%	-6.89	-1.79	12000	9000	-95.99	0	0	-7.19	94.20	5.40	-88.80