

天线规格书

Antenna Datasheet

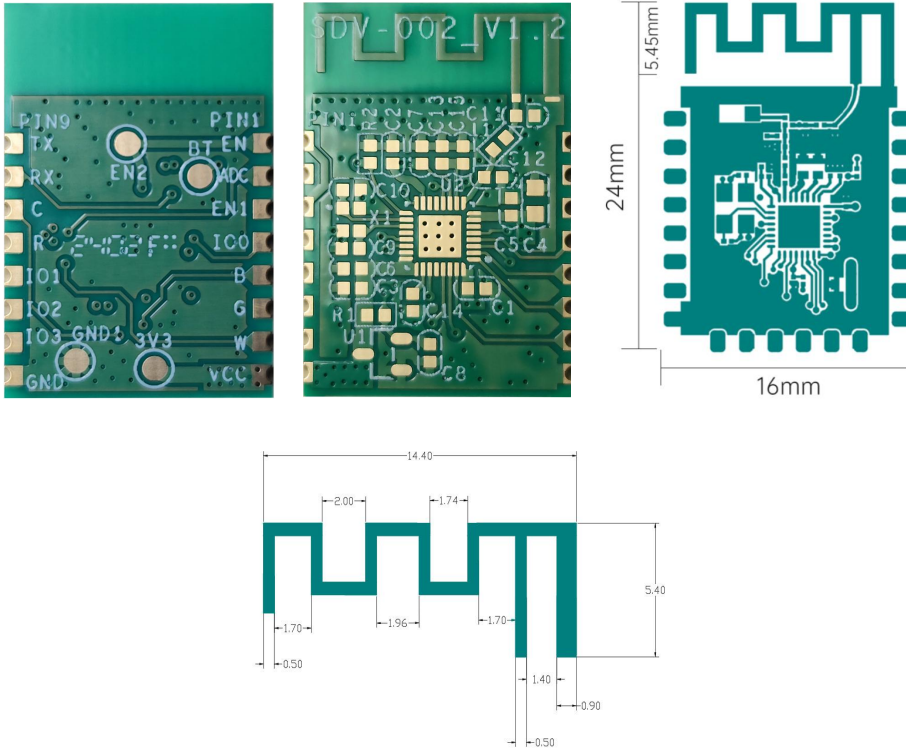
基本信息

General information

制造商 Manufacturer	深圳市创凌智联科技有限公司 Shenzhen Chuangling Zhilian Technology Co., Ltd.
天线型号 Model Name	PCB ANTENNA
日期 Date	2024 年 4 月 15 日
版本 Version	V1.0

天线外观

Antenna Appearance



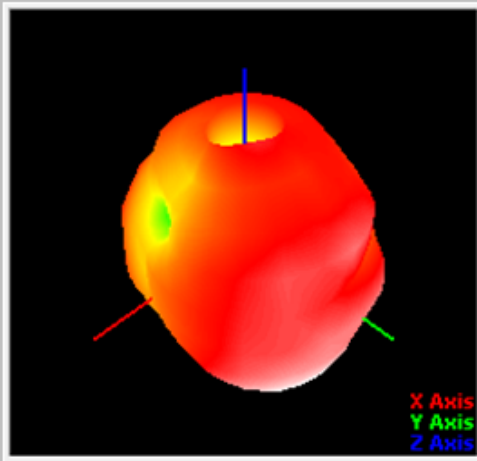
技术规格

Technical Specifications

频率范围 Frequency Range	2.400GHz-2.4835GHz
天线类型 Antenna Type	PCB ANTENNA
尺寸 Dimensions	14.40*5.45mm
阻抗 Impedance	50Ω
最大增益 Maximum Gain	-0.17dBi
驻波比 VSWR	$1 \leq VSWR \leq 1.5$

天线辐射方向图

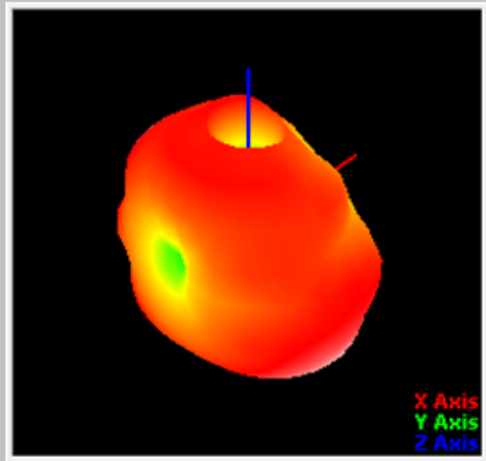
Antenna Radiation Patterns



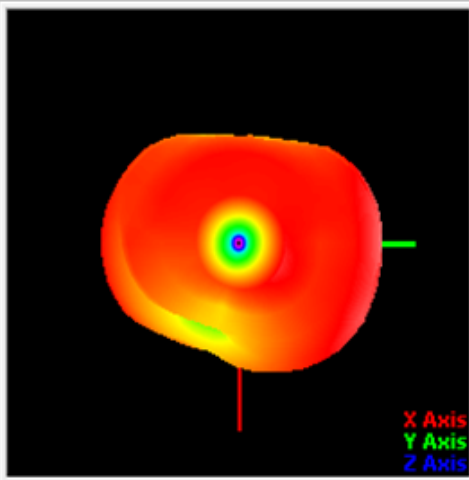
T45-P45



-0.17
-5.81
-11.44
-17.08
-22.72
-28.35
-33.99
-39.63
-45.26
-50.9
-56.53
-62.17
-67.81
-73.44
-79.08
-84.72
-90.35
-95.99



T45-P225



T0-P0



-0.17
-5.81
-11.44
-17.08
-22.72
-28.35
-33.99
-39.63
-45.26
-50.9
-56.53
-62.17
-67.81
-73.44
-79.08
-84.72
-90.35
-95.99

Coordination System Description:
Line Colr XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0

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	2400.00	-1.05	5.45	22.4%	-6.50	-1.05	120	75	-95.99	0	0	-6.40	94.94	5.36	-89.59
2	2410.0	2410.00	-1.04	5.68	21.3%	-6.72	-1.04	120	75	-95.99	0	0	-6.40	94.95	5.37	-89.59
3	2420.0	2420.00	-0.81	6.01	20.8%	-6.82	-0.81	120	75	-95.99	0	0	-6.27	95.18	5.46	-89.72
4	2430.0	2430.00	-0.17	6.21	23.0%	-6.38	-0.17	120	75	-95.99	0	0	-5.70	95.82	5.53	-90.29
5	2440.0	2440.00	-0.64	6.08	21.3%	-6.71	-0.64	120	75	-95.99	0	0	-6.10	95.35	5.47	-89.89
6	2450.0	2450.00	-0.90	6.00	20.4%	-6.90	-0.90	120	75	-95.99	0	0	-6.31	95.09	5.41	-89.68
7	2460.0	2460.00	-1.10	5.84	20.2%	-6.94	-1.10	120	75	-95.99	0	0	-6.37	94.89	5.27	-89.62
8	2470.0	2470.00	-1.43	5.51	20.3%	-6.94	-1.43	120	75	-95.99	0	0	-6.57	94.56	5.15	-89.42
9	2480.0	2480.00	-1.85	5.08	20.3%	-6.92	-1.85	120	75	-95.99	0	0	-6.96	94.14	5.11	-89.03
10	2490.0	2490.00	-2.27	4.89	19.2%	-7.16	-2.27	120	75	-95.99	0	0	-7.27	93.72	5.00	-88.72
11	2500.0	2500.00	-2.59	4.83	18.1%	-7.42	-2.59	120	75	-95.99	0	0	-7.61	93.40	5.01	-88.38