

Antenna Specification

1. General Description

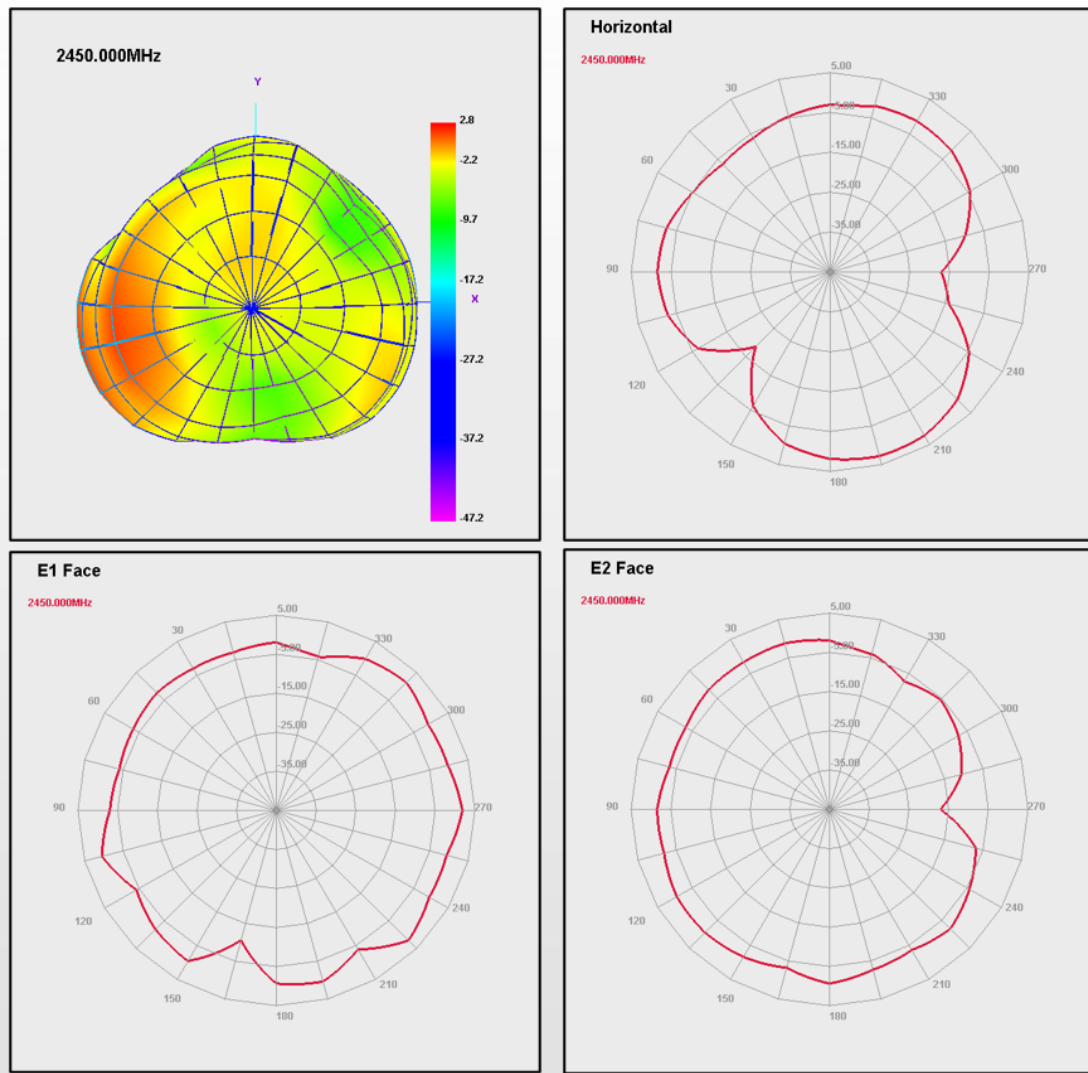
Manufacturer:	Shenzhen Topolink Technology CO., Ltd.
Address:	Room 401-407, Block A, Jinfulei Building, Dabao Road, District 28, Bao'an District, Shenzhen City
Product Name:	Doorbell
Product model:	VD05
Antenna type:	433.92MHz SRD: PCB Antenna, 2.4GHz BT: PCB Antenna 2.4GHz WIFI: FPC Antenna,
Test Frequency:	433.92 MHz 2400-2500MHz
Peak gain: (dBi)	RFID Antenna: -3.37 FPC Antenna: 3.47 BT Antenna: 1.83

2. Gain and Efficiency

Wi-Fi Antenna:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	53.36	3.47
2405	54.65	3.4
2410	54.47	3.31
2415	55.19	3.33
2420	55.45	3.35
2425	56.35	3.25
2430	56.33	3.17
2435	56.32	3.2
2440	56.09	3.18
2445	55.83	3.03
2450	53.15	2.79
2455	52.52	2.76
2460	52.1	2.78
2465	49.75	2.54
2470	47.19	2.24
2475	47.01	2.23
2480	46.46	2.21
2485	46.53	2.2
2490	47.15	2.12
2495	45.62	1.93
2500	44.69	1.89

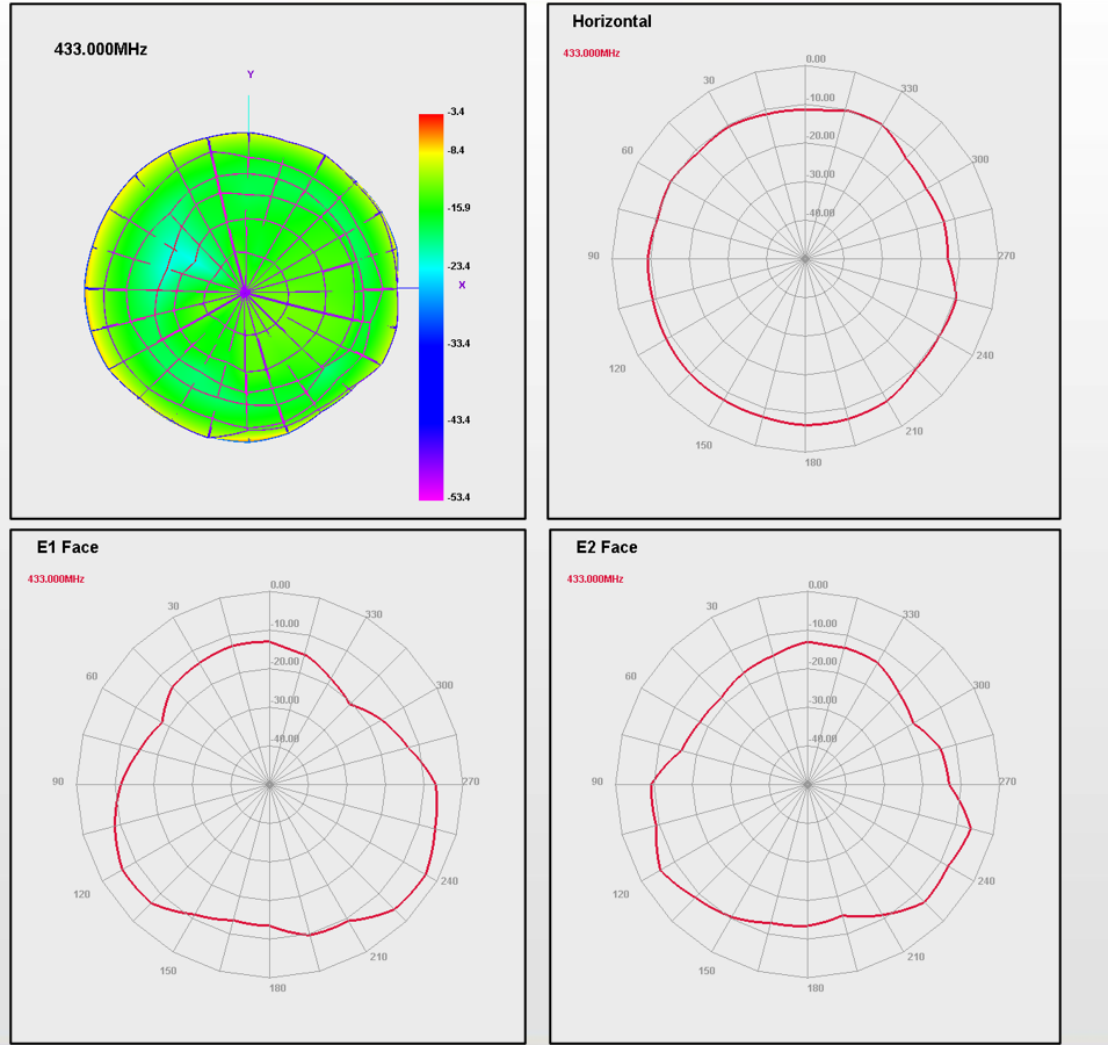
Radiation Pattern:



RFID Antenna:

Freq (MHz)	Effi (%)	Gain (dBi)
430	17.51	-3.37
431	17.46	-3.38
432	17.41	-3.39
433	17.33	-3.4
434	17.17	-3.45
435	16.91	-3.54
436	16.61	-3.65
437	16.36	-3.73
438	16.21	-3.77
439	16.22	-3.75
440	16.37	-3.65

Radiation Pattern:

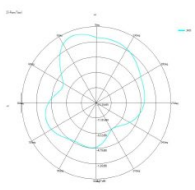
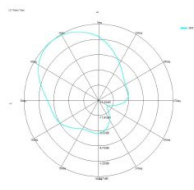
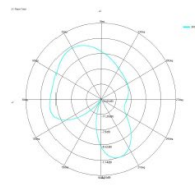
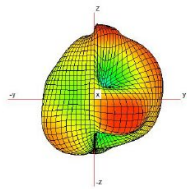


BT Antenna:

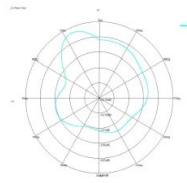
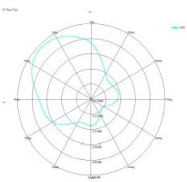
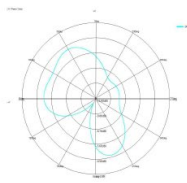
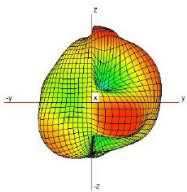
Freq (MHz)	Effi (%)	Gain (dBi)
2400	45.57	1.7
2405	46.1	1.73
2410	45.16	1.64
2415	45.22	1.81
2420	45.21	1.8
2425	46.13	1.79
2430	46.32	1.74
2435	46.12	1.83
2440	44.97	1.76
2445	44.28	1.57
2450	46.31	1.23
2455	44.43	1.08
2460	43.93	1.1
2465	42.54	0.85
2470	42.67	0.56
2475	42.55	0.54
2480	42.36	0.57
2485	41.9	0.47
2490	41.64	0.31
2495	41.22	0.25
2500	40.68	0.21

Radiation Pattern:

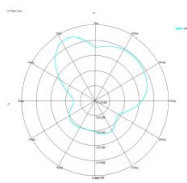
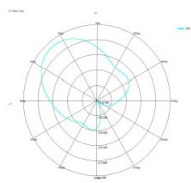
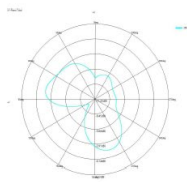
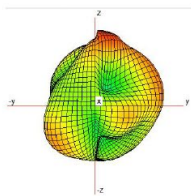
BT-2400MHz



BT-2450MHz

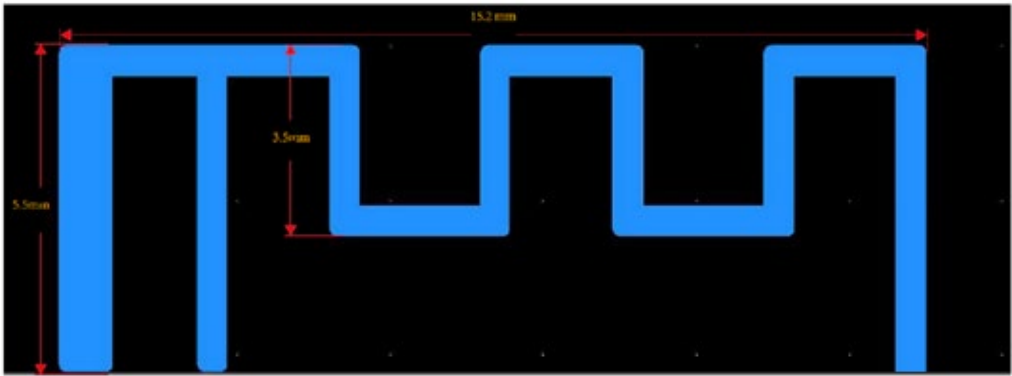


BT-2500MHz

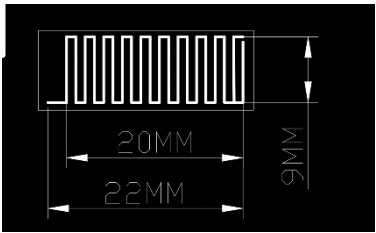


3. Antenna Dimensions

BT PCB



RFID



FPC

