



Shenzhen Snapmaker Technologies Co., Ltd.

ANTENNA SPECIFICATION

Manufacturer Name: Shenzhen DBT Telecommunication Technology CO., LTD.

Material Number : Y.1.E.J.0003-01

Material Name : Antenna

Model Name : A400-WIFI

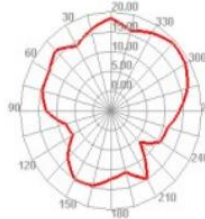
Product Specifications - Antenna

(Electrical and Electrical Properties_Electrical and Mechanical)

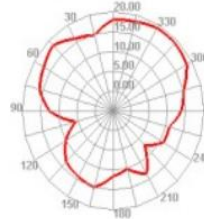
Antenna Active Data (WIFI)

802.11b : 11Mbps			
Test	Wifi 2G TRP		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Txp Ave(dBm)	14.63	15.11	15.8
Test	Wifi 2G TIS		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Sens Ave(dBm)	-84	-87.29	-86.08

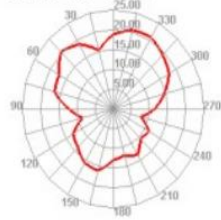
Wifi 1 TRP Phi=0



Wifi 6 TRP Phi=0

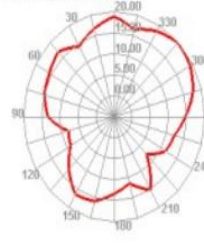


Wifi 11 TRP Phi=0

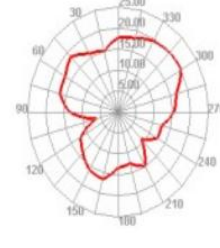


802.11g : 54Mbps			
Test	Wifi 2G TRP		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Txp Ave(dBm)	15.35	16.02	16.26
Test	Wifi 2G TIS		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Sens Ave(dBm)	-67.52	-72.25	-70.75

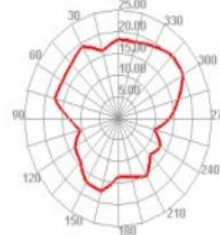
Wifi 1 TRP Phi=0



Wifi 6 TRP Phi=0

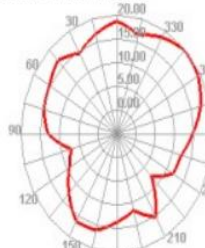


Wifi 11 TRP Phi=0

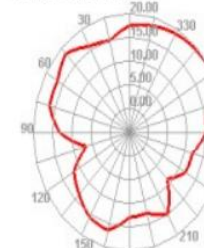


802.11n : MCS7			
Test	Wifi 2G TRP		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Txp Ave(dBm)	15.34	15.73	16.08
Test	Wifi 2G TIS		
Result	1	6	11
Frequency (MHz)	2412	2437	2462
Sens Ave(dBm)	-67.17	-70.02	-68.99

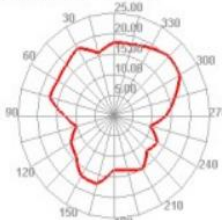
Wifi 1 TRP Phi=0



Wifi 6 TRP Phi=0

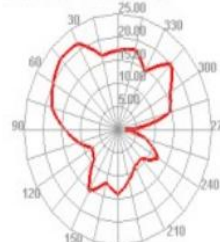


Wifi 11 TRP Phi=0

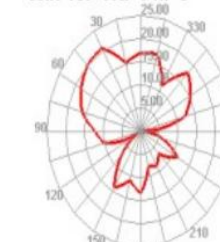


802.11a : MCS7			
Test	Wifi 5G TRP		
Result	149	157	161
Frequency (MHz)	5745	5785	5805
Txp Ave(dBm)	15.93	14.36	13.38
Test	Wifi 5G TIS		
Result	149	157	161
Frequency (MHz)	5745	5785	5805
Sens Ave(dBm)	-86.03	-84.69	-84.01

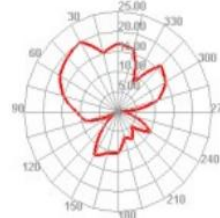
Wifi 149 TRP Phi=0



Wifi 157 TRP Phi=0



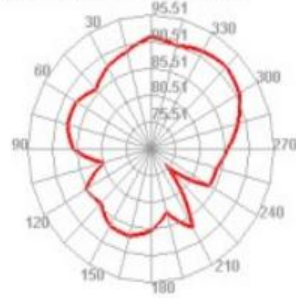
Wifi 161 TRP Phi=0



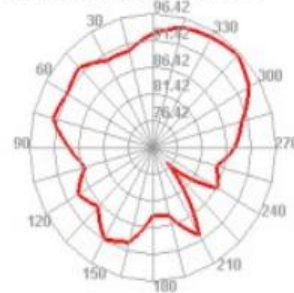
Antenna Active Data (BT)

Test Result	Bluetooth TRP		
		0	39
Frequency (MHz)	2402	2441	2480
Txp Ave(dBm)	8.76	10.18	8.78
Test Result	Bluetooth TIS		
		0	39
Frequency (MHz)	2402	2441	2480
Sens Ave(dBm)	-88.59	-90.72	-87.43

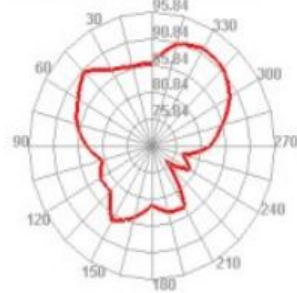
Bluetooth 0 TIS Phi=0



Bluetooth 39 TIS Phi=0



Bluetooth 78 TIS Phi=0



Antenna Passive Data

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	30.76	-0.56	5000	32.22	0.69
2410	27.85	-0.81	5100	24.49	-0.83
2420	27.96	-1.19	5200	23.89	-1.19
2430	25.15	-1.11	5300	19.08	-2.24
2440	25.07	-1.39	5400	18.56	-4.94
2450	24.69	-2.21	5500	20.29	-3.56
2460	24.04	-3.02	5600	23.81	-3.25
2470	30.49	-1.72	5700	33.76	0.65
2480	38.44	-0.44	5800	26.75	0.49
2490	40.24	-0.01			
2500	41.42	0.51			

Max. 2.4G Gain : 0.51dBi

Max. 5G Gain: 0.69dBi

