

WIFI/BT Antenna report (TV)



1. Antenna manufacturer information

Antenna manufacturer Name: SHENGZHEN SOUTH STAR TECHNOLOGY LTD.

Antenna manufacturer address: No.3, Nanfang 1st Road, Chigang, Humen, Town Dongguan, China

Model number: WIFI/BT antenna

Antenna frequency: 2400-2500MHz; 5150-5850MHz.

2. WIFI/BT Efficiency&Gain

Efficiency&Gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	68.80	-1.62	2.71	5150	72.49	-1.4	2.43
2410	61.26	-2.13	2.82	5200	71.74	-1.44	2.42
2420	62.87	-2.02	2.97	5250	74.97	-1.25	2.89
2430	64.35	-1.91	2.91	5300	70.3	-1.53	2.41
2440	64.19	-1.93	2.92	5350	65.22	-1.86	2.62
2450	73.49	-1.34	2.90	5400	64.66	-1.89	2.21
2460	65.45	-1.84	2.82	5450	57.78	-2.38	2.09
2470	66.19	-1.79	2.83	5500	53.04	-2.75	1.92
2480	66.77	-1.75	2.73	5550	53.1	-2.75	1.98
2490	66.97	-1.74	2.82	5600	56.28	-2.5	2.78
2500	69.97	-1.55	2.92	5650	54.41	-2.64	2.11
				5700	51.04	-2.92	2.04
				5750	53.46	-2.72	2.96
				5800	60.16	-2.21	2.71
				5850	61.8	-2.09	2.37

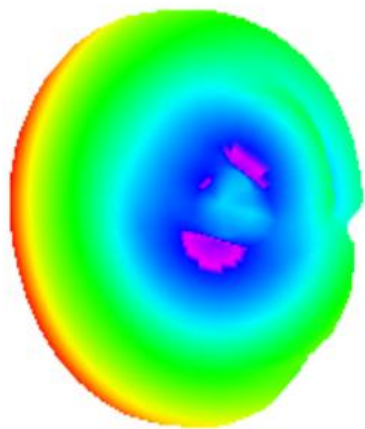
3. 3D/2D antenna patterns

Single antenna gain maximum test passive 3D/2D direction diagram

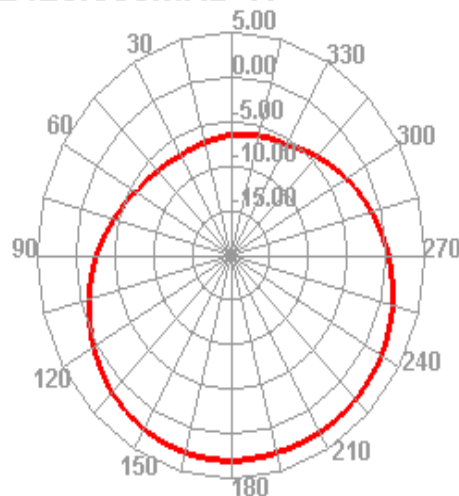
Max Antenna 2D、3D Radiation Pattern 2400 – 2483.5 MHz

Frequency (MHz)	Peak Gain w(dBi)
2420	2.97

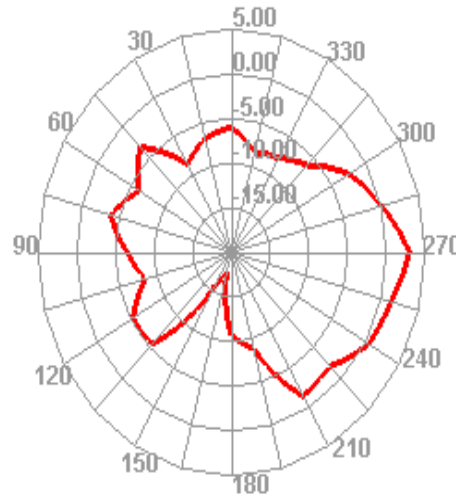
2420.000MHz



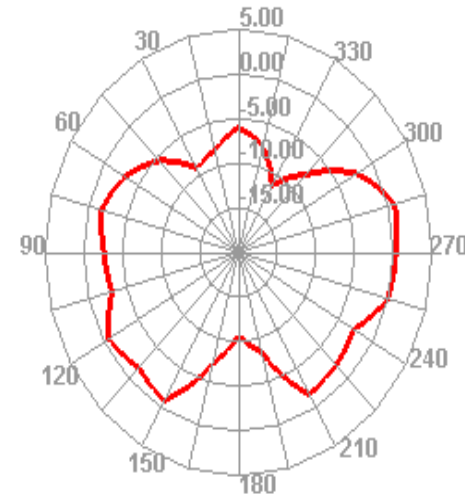
2420.000MHz H



2420.000MHz E1



2420.000MHz E2



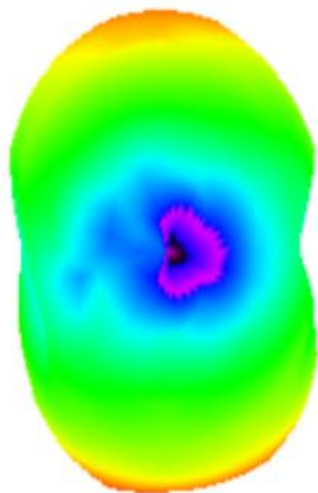
3. 3D/2D antenna patterns

Single antenna gain maximum test passive 3D/2D direction diagram

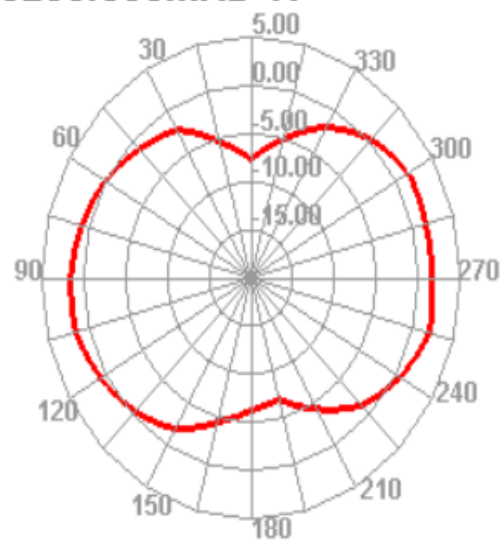
Max Antenna 2D、3D Radiation Pattern 5150-5250 MHz

Frequency (MHz)	Peak Gain w(dBi)
5250	2.89

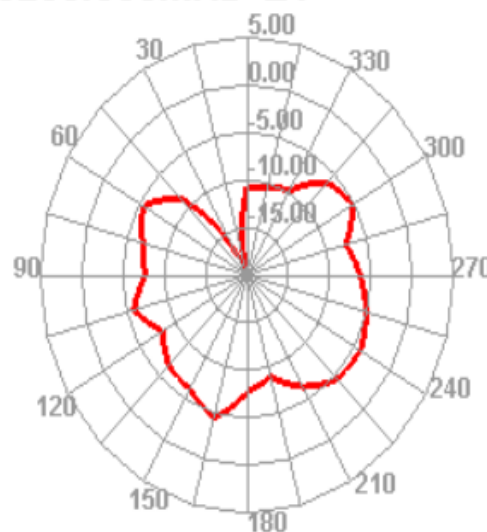
5250.000MHz



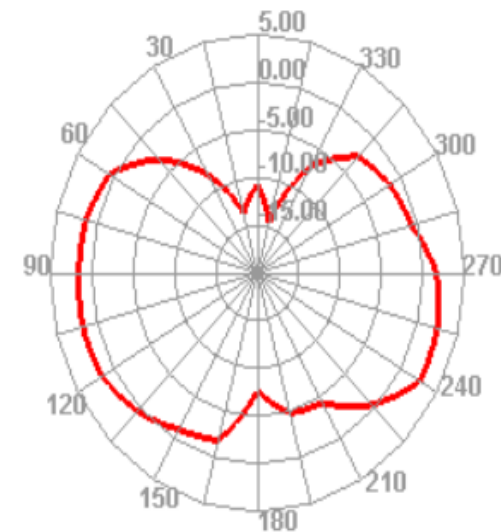
5250.000MHz H



5250.000MHz E1



5250.000MHz E2



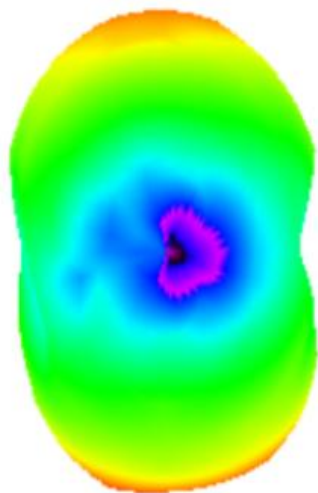
3. 3D/2D antenna patterns

Single antenna gain maximum test passive 3D/2D direction diagram

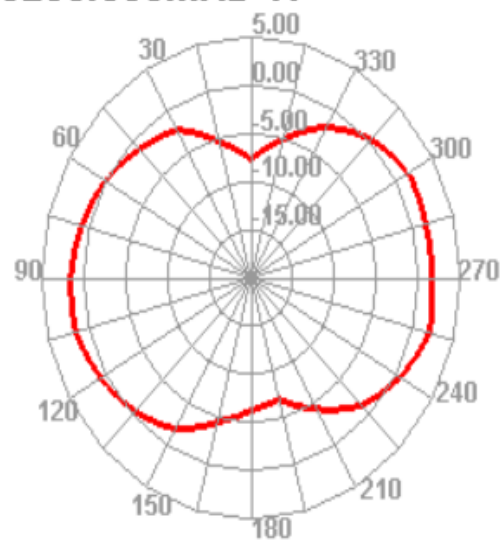
Max Antenna 2D、3D Radiation Pattern 5250-5350 MHz

Frequency (MHz)	Peak Gain w(dBi)
5250	2.89

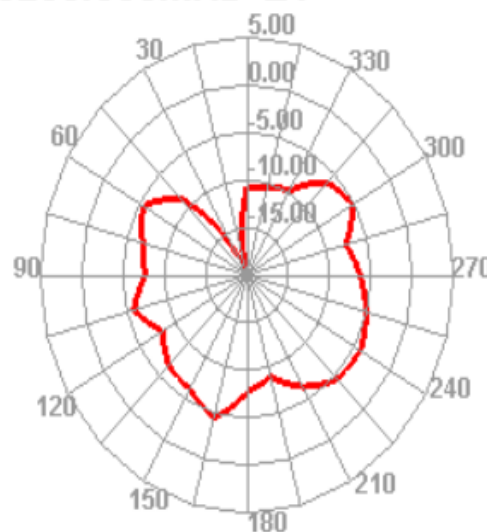
5250.000MHz



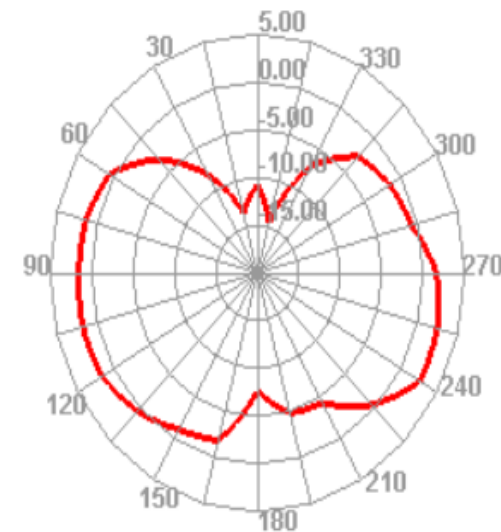
5250.000MHz H



5250.000MHz E1



5250.000MHz E2



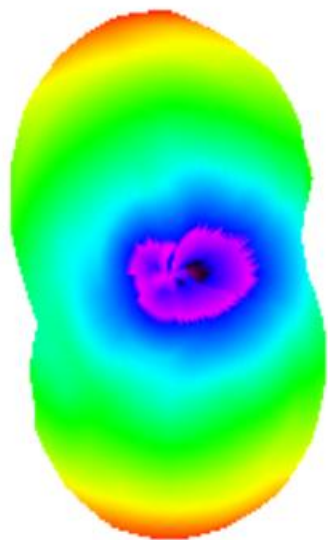
3. 3D/2D antenna patterns

Single antenna gain maximum test passive 3D/2D direction diagram

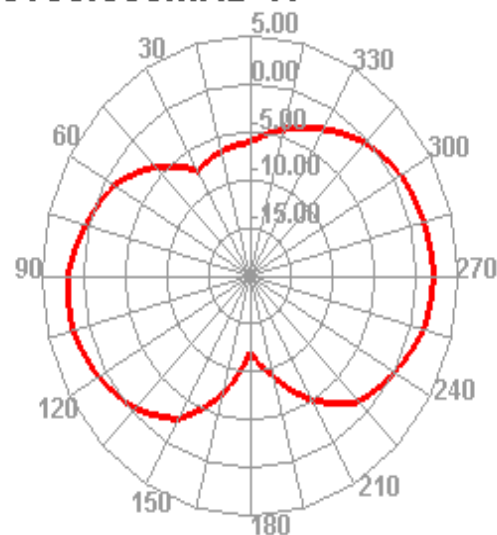
Max Antenna 2D、3D Radiation Pattern 5470-5725 MHz

Frequency (MHz)	Peak Gain w(dBi)
5600	2.78

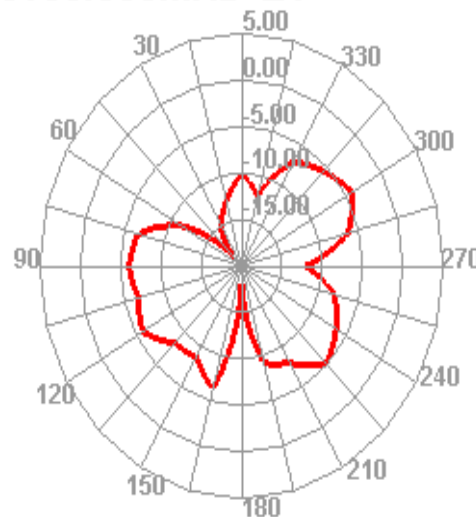
5600.000MHz



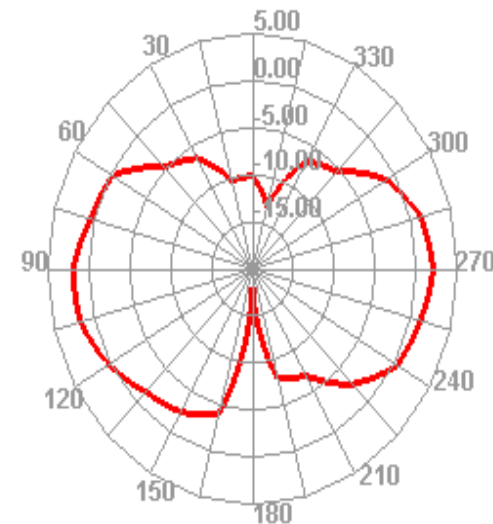
5600.000MHz H



5600.000MHz E1



5600.000MHz E2



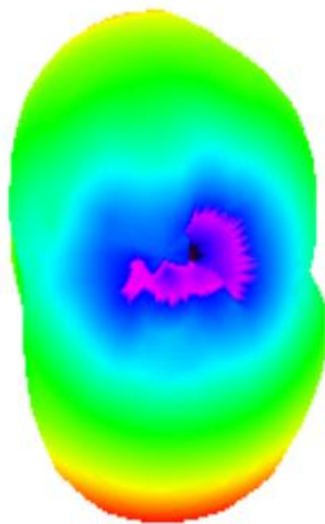
3. 3D/2D antenna patterns

Single antenna gain maximum test passive 3D/2D direction diagram

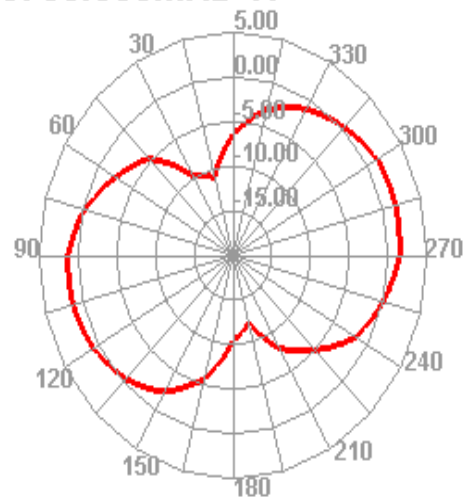
Max Antenna 2D、3D Radiation Pattern 5725-5850 MHz

Frequency (MHz)	Peak Gain w(dBi)
5750	2.96

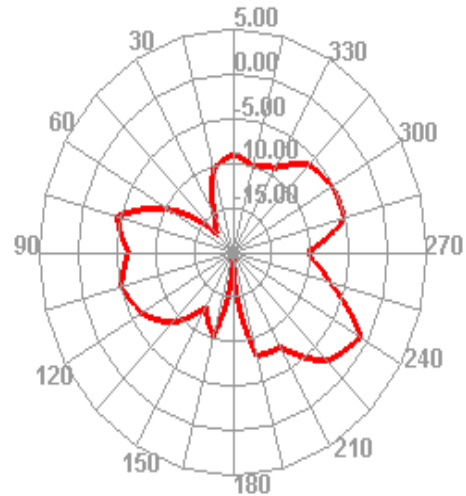
5750.000MHz



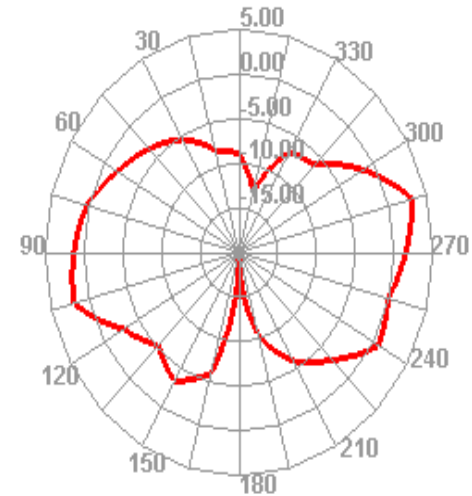
5750.000MHz H



5750.000MHz E1



5750.000MHz E2



4. Test sample

Antenna Photo

