
Antenna specifications

Electrical Characteristics Description

Model:	Seattle		
Transmitter Frequency:	2400MHz-2483.5MHz / 5150 MHz -5850 MHz		
Receiver Frequency:	2400MHz-2483.5MHz/ 5150 MHz -5850 MHz		
Antenna information:	Antenna Name	Model(s)/Type(s)	
	RF Antenna Assembly	Model/Part Number:	Seattle
		Manufacturer:	Anhui Huami Information Technology Co., Ltd.
		Address:	7/F, Building B2, Huami Global Innovation Center, No. 900, Wangjiang West Road, High-tech Zone, Hefei City, China (Anhui) Pilot Free Trade Zone(230088)
		Frequency Range:	2400MHz-2483.5MHz/5150MHz-5850 MHz
		Connector Type/ Maximum Gain	-4.1dBi (2.4GHz) /-3.7 dBi (5GHz)
		Antenna Type/ Pattern:	IFA Antenna
		Antenna Size	26.2*12.5 (mm)
		Measurement:	Refer to internal photos

Electrical Performance

S11 parameter-GPS L1 test result as Fig.1.

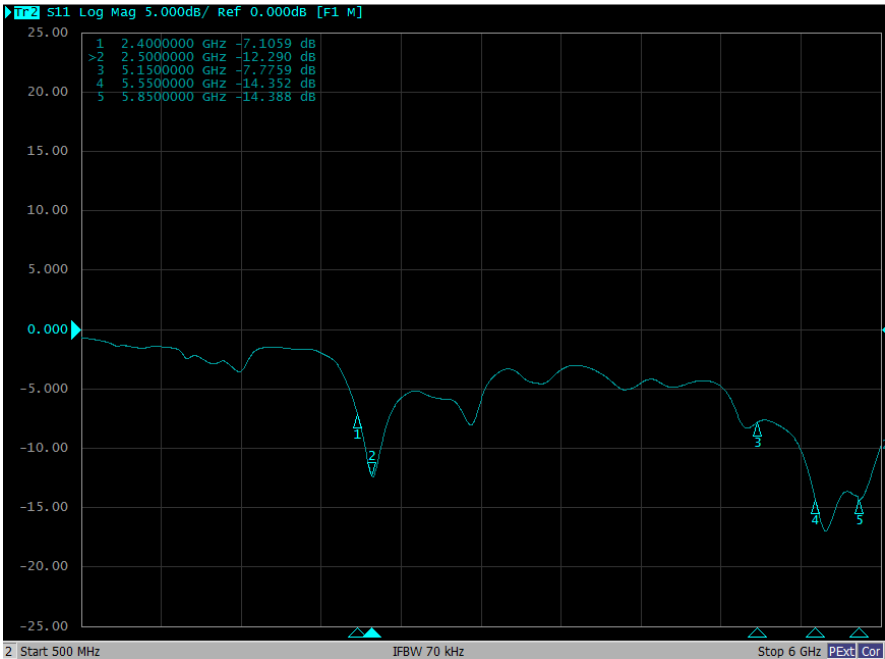


Fig. 1 S11 Parameter- BT test result

Table 1 shows the emission efficiency and the maximum gain of the antenna at different frequencies changes. The antenna radiation pattern diagram show in Fig.2.

Frequency	Eff-dB	Eff-%	Gain
2400	-8.1	15.5	-4.7
2410	-7.9	16.1	-4.5
2420	-7.8	16.5	-4.4
2430	-7.7	16.8	-4.3
2440	-7.6	17.2	-4.3
2450	-7.5	17.7	-4.2
2460	-7.5	17.9	-4.2
2470	-7.4	18.3	-4.2
2480	-7.2	19.0	-4.1
2490	-7.3	18.6	-5.1
2500	-7.6	17.3	-5.3
5150	-8.0	15.8	-4.3
5200	-7.8	16.5	-4.2
5250	-7.7	16.9	-4.1
5300	-7.6	17.4	-3.9
5350	-7.5	17.7	-3.8
5400	-7.5	18.0	-3.7
5450	-7.4	18.0	-3.8
5500	-7.4	18.1	-3.7
5550	-7.5	18.0	-3.8
5600	-7.5	17.6	-3.8
5650	-7.7	17.2	-3.9
5700	-7.8	16.8	-4.0
5750	-7.9	16.3	-4.0
5800	-8.0	15.8	-4.2
5850	-8.2	15.1	-4.3

Table 1Max. Gain and Efficiency Vs. Frequency

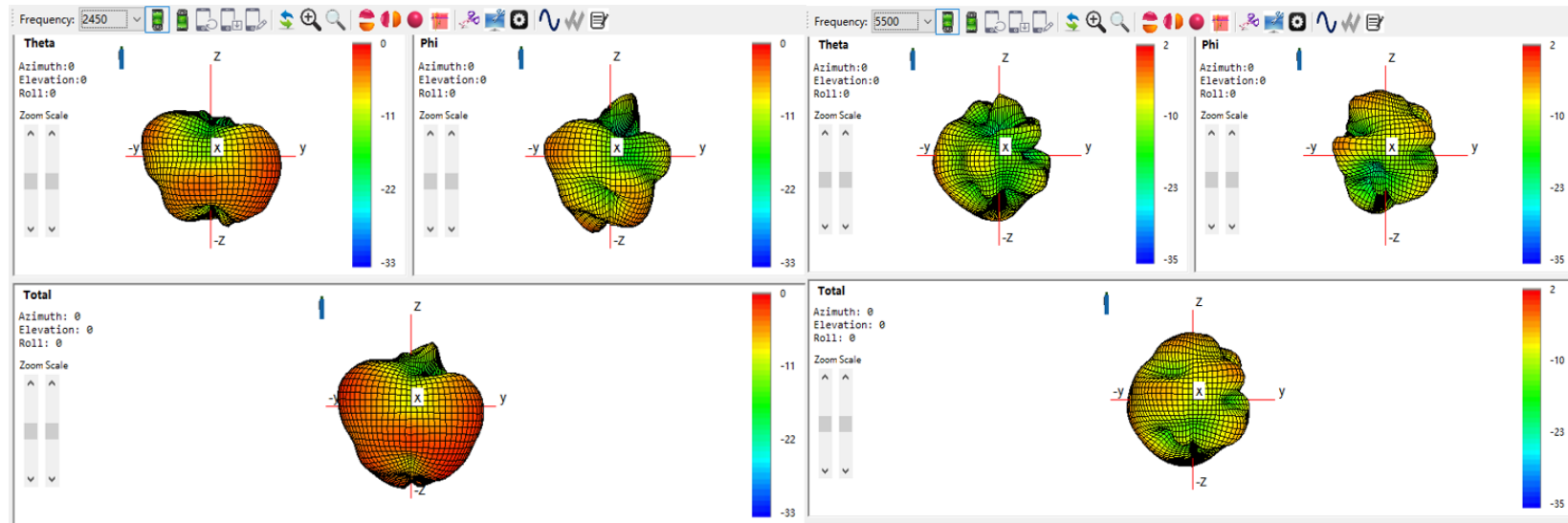


Fig. 2 antenna radiation pattern diagram