

Antenna specifications

Electrical Characteristics Description

Model:	Monaco antenna			
Transmitter Frequency:	2400MHz-2483.5MHz			
Receiver Frequency:	1170 MHz -1180 MHz、 1570MHz-1580MHz、 2400MHz-2483.5MHz			
Antenna information:	Antenna Name	Model(s)/Type(s)		
	RF Antenna Assembly	Model/Part Number:	Lyon	
		Manufacturer:	Anhui Huami Information Technology Co., Ltd.	
		Manufacturer Address	7/F, Building B2, Huami Global Innovation Center, No. 900, Wangjiang West Road, High-tech Zone,518000 Hefei City, PEOPLE'S REPUBLIC OF CHINA	
		Frequency Range:	1170 MHz -1180 MHz 1570MHz-1580MHz 2400MHz-2483.5MHz	
		Connector Type/ Maximum Gain	-4.92dBi	
		Antenna Type/ Pattern:	Metal Case	
		Antenna Size	NA	
		Measurement:	NA	

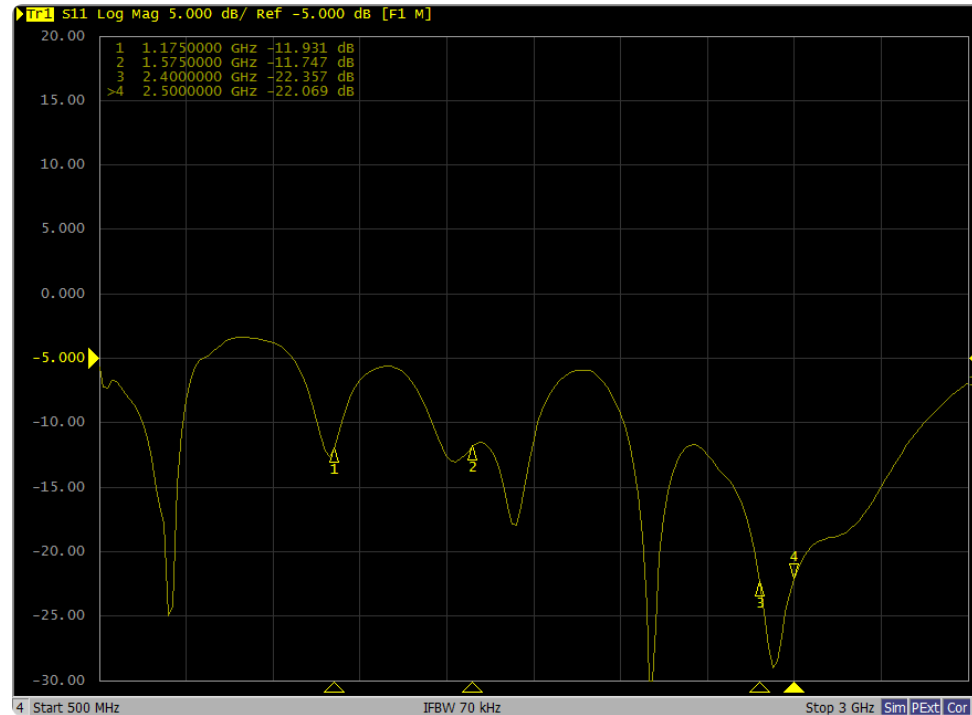
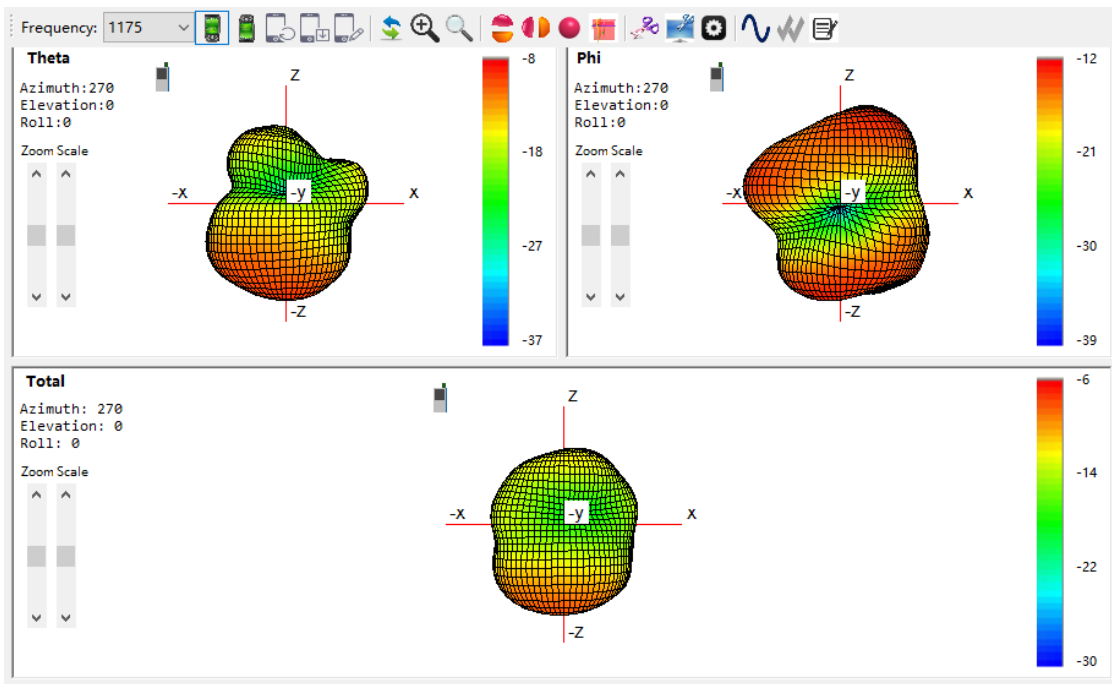


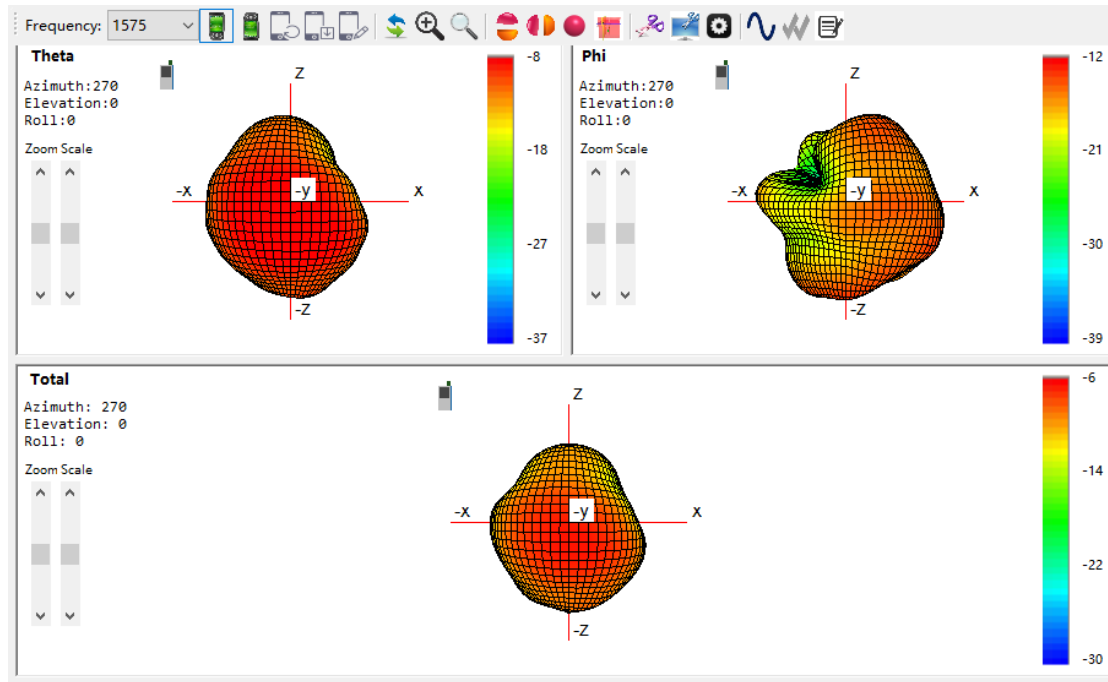
Fig. 2 S11 Parameter-GPS L1/L5 and BT test result

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.4.

Band	Fre.	Efficiency(dB)	Gain	Efficiency(%)
L1	1155	-13.75	-9.64	4.21
	1165	-13.61	-9.52	4.35
	1175	-13.57	-9.68	4.39
	1185	-13.57	-9.81	4.4
	1195	-13.63	-9.98	4.34
	1205	-13.69	-10.11	4.27
L5	1545	-12.88	-6.98	5.16
	1555	-12.66	-6.97	5.42
	1565	-12.43	-6.91	5.72
	1575	-12.23	-7	5.99
	1585	-12.03	-7.03	6.26
	1595	-11.84	-7.09	6.55
	1605	-11.61	-7.08	6.9
	1615	-11.41	-7.16	7.22
1625	-11.19	-7.02	7.61	
BT	2400	-11.48	-5.13	7.11
	2410	-11.43	-5.06	7.2
	2420	-11.38	-5.01	7.28
	2430	-11.36	-5	7.32
	2440	-11.3	-4.96	7.41
	2450	-11.23	-4.92	7.53
	2460	-11.24	-4.96	7.52
	2470	-11.23	-5	7.53
	2480	-11.18	-4.99	7.62
	2490	-11.15	-5.01	7.68
2500	-11.13	-5.05	7.71	

Table 1Max. Gain / Efficiency / Frequency





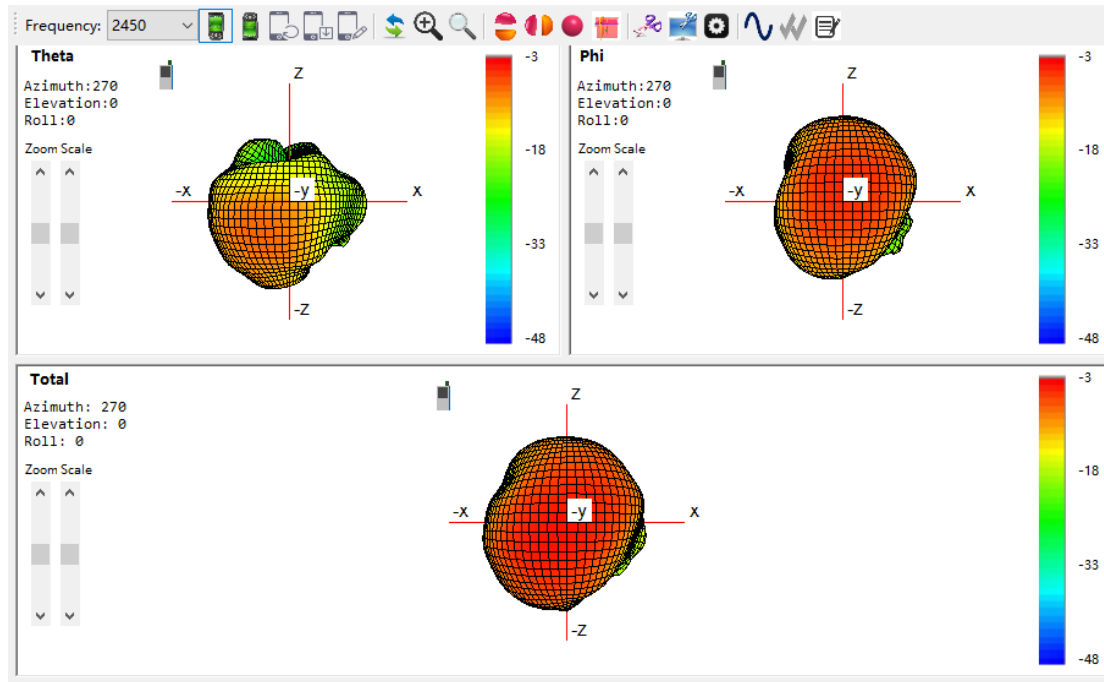


Fig. 4 antenna radiation pattern diagram