

国光电器股份有限公司
Guoguang Electric Company., Ltd.

规格承认书
SPECIFICATION APPROVAL

品名Part Name: Moto-P01 UWB板载天线

送样日期Date:2025-08-18

地址: 广州市花都区新雅街镜湖大道8号

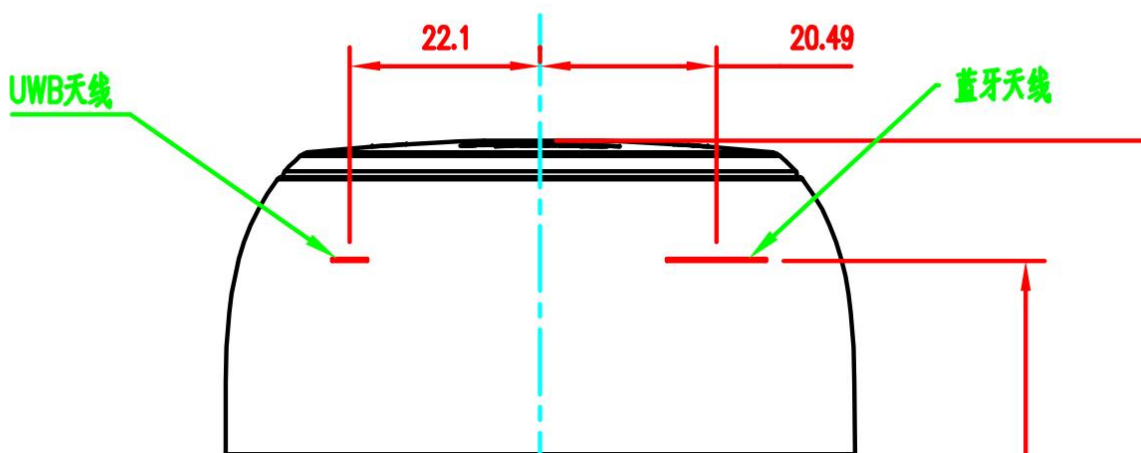
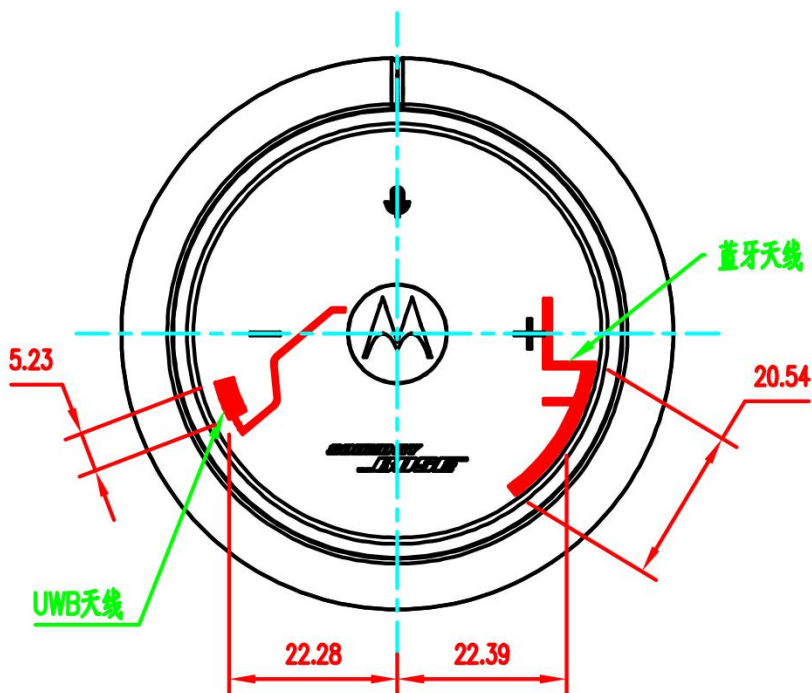
Address:No.8 Jinghu Road, Xinya Street, Huadu Reg, Guangzhou, China

天线规格书

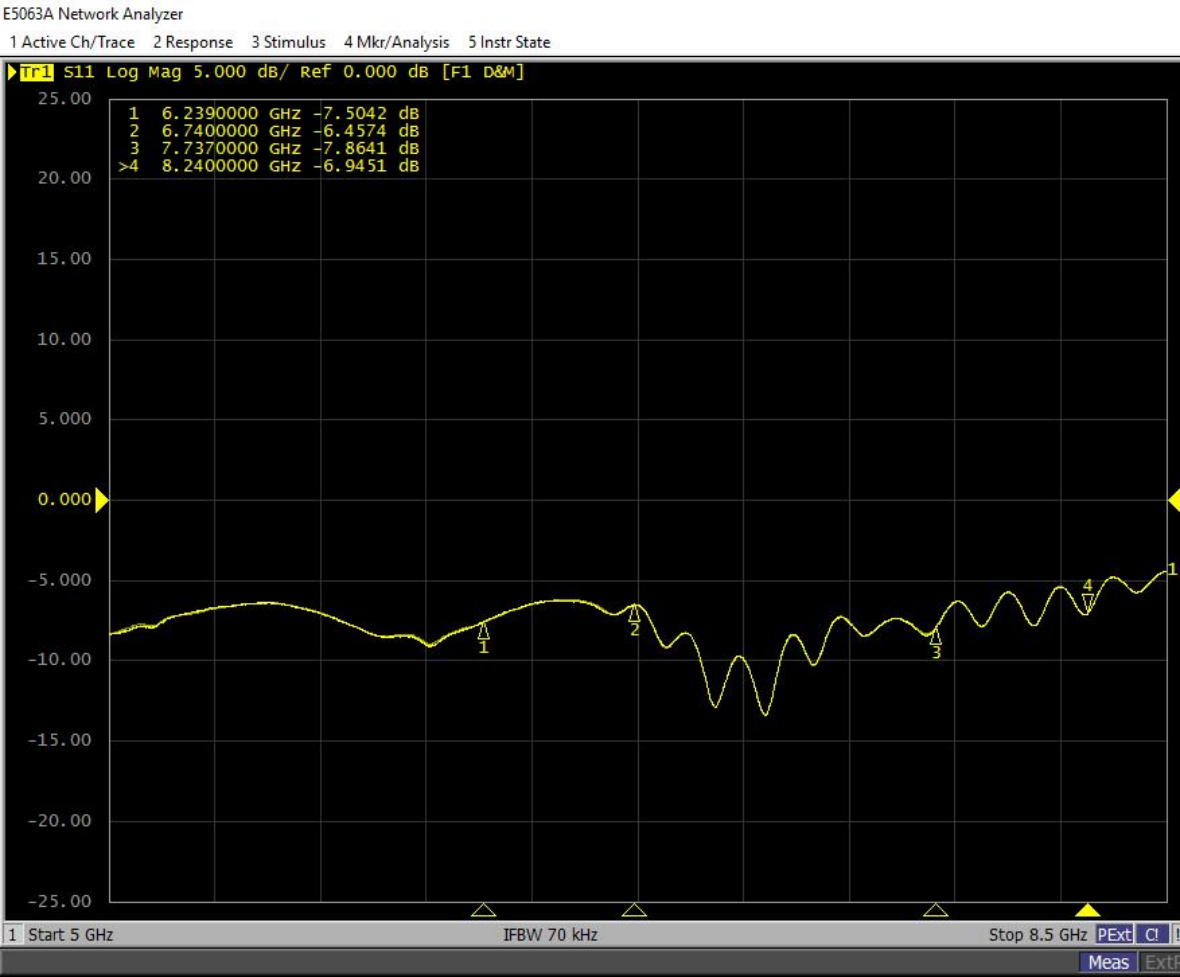
antenna specification

电性能Electrical properties	
频率范围frequency(MHz)	6239-6740MHz 7737-8238MHz
阻抗Impedance(Ω)	50
电压驻波比VSWR	≤ 3.5
峰值增益Peak Gain (dBi)	$\leq 4.36\text{dBi}$
辐射方向Radiation	全向天线Omni-directional
极化方式Polarization	线极化Linear
物理性能Physical properties	
天线类型Antenna type	板载天线printed antenna
工作温度Operating temp.	-40~+85 °C
存储温度/湿度Storage Temp/Humidity	25 $\pm$ 5 °C

天线图纸Antenna drawings



天线S参数 S11 parameters



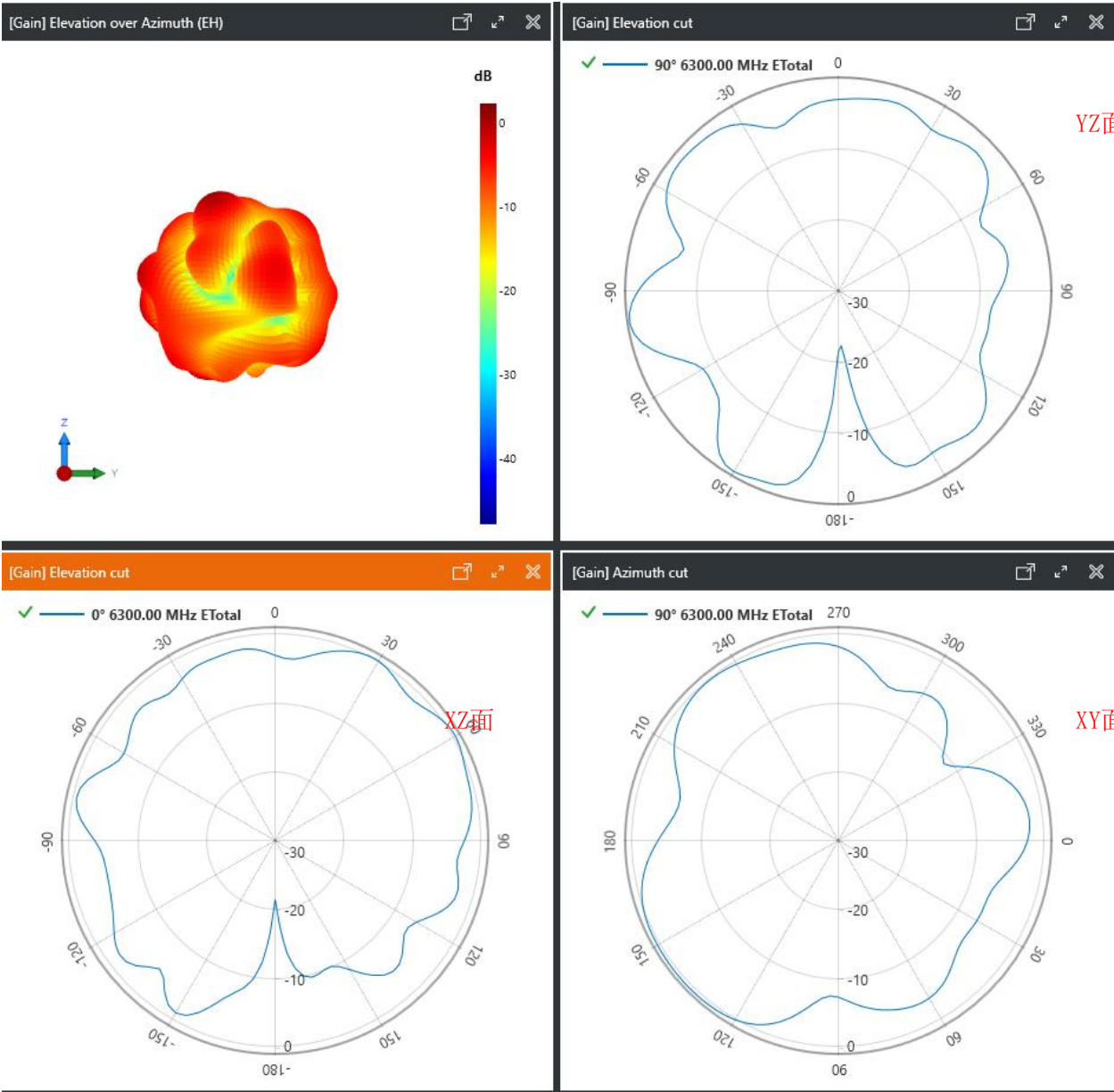
天线效率及增益 Efficiency & Peak Gain

Frequency	Efficiency	Gain	Directivity (%)
6220	-2.96	4.08	51%
6240	-2.92	4.22	51%
6260	-3.05	4.16	50%
6280	-3	4.22	50%
6300	-2.95	4.36	51%
6320	-3.01	4.34	50%
6340	-2.93	4.35	51%
6360	-3.01	4.31	50%
6380	-2.99	4.24	50%
6400	-3.03	4.09	50%
6420	-3.04	3.95	50%
6440	-3.19	3.73	48%
6460	-3.21	3.53	48%
6480	-3.42	3.1	45%
6500	-3.41	2.97	46%
6520	-3.41	2.79	46%
6540	-3.38	2.66	46%
6560	-3.3	2.56	47%
6580	-3.3	2.5	47%
6600	-3.22	2.52	48%
6620	-3.19	2.51	48%
6640	-3.15	2.59	48%
6660	-3.25	2.64	47%
6680	-3.23	2.85	48%
6700	-3.37	2.84	46%
6720	-3.49	2.89	45%
6740	-3.49	2.99	45%

Frequency	Efficiency	Gain	Directivity (%)
7720	-3.3	2.59	47%
7740	-3.21	2.66	48%
7760	-3.05	2.88	50%
7780	-2.9	2.94	51%
7800	-2.84	3.14	52%
7820	-2.85	3.24	52%
7840	-2.95	3.22	51%
7860	-3.09	3.19	49%
7880	-3.15	3.15	48%
7900	-3.28	3.11	47%
7920	-3.45	3.01	45%
7940	-3.54	2.95	44%
7960	-3.56	2.91	44%
7980	-3.47	3.06	45%
8000	-3.46	3.1	45%
8020	-3.36	3.21	46%
8040	-3.2	3.32	48%
8060	-3.03	3.42	50%
8080	-2.94	3.5	51%
8100	-2.95	3.45	51%
8120	-3.05	3.31	49%
8140	-3.19	3.13	48%
8160	-3.35	2.92	46%
8180	-3.67	2.59	43%
8200	-3.81	2.44	42%
8220	-4.1	2.07	39%
8240	-4.07	2.23	39%

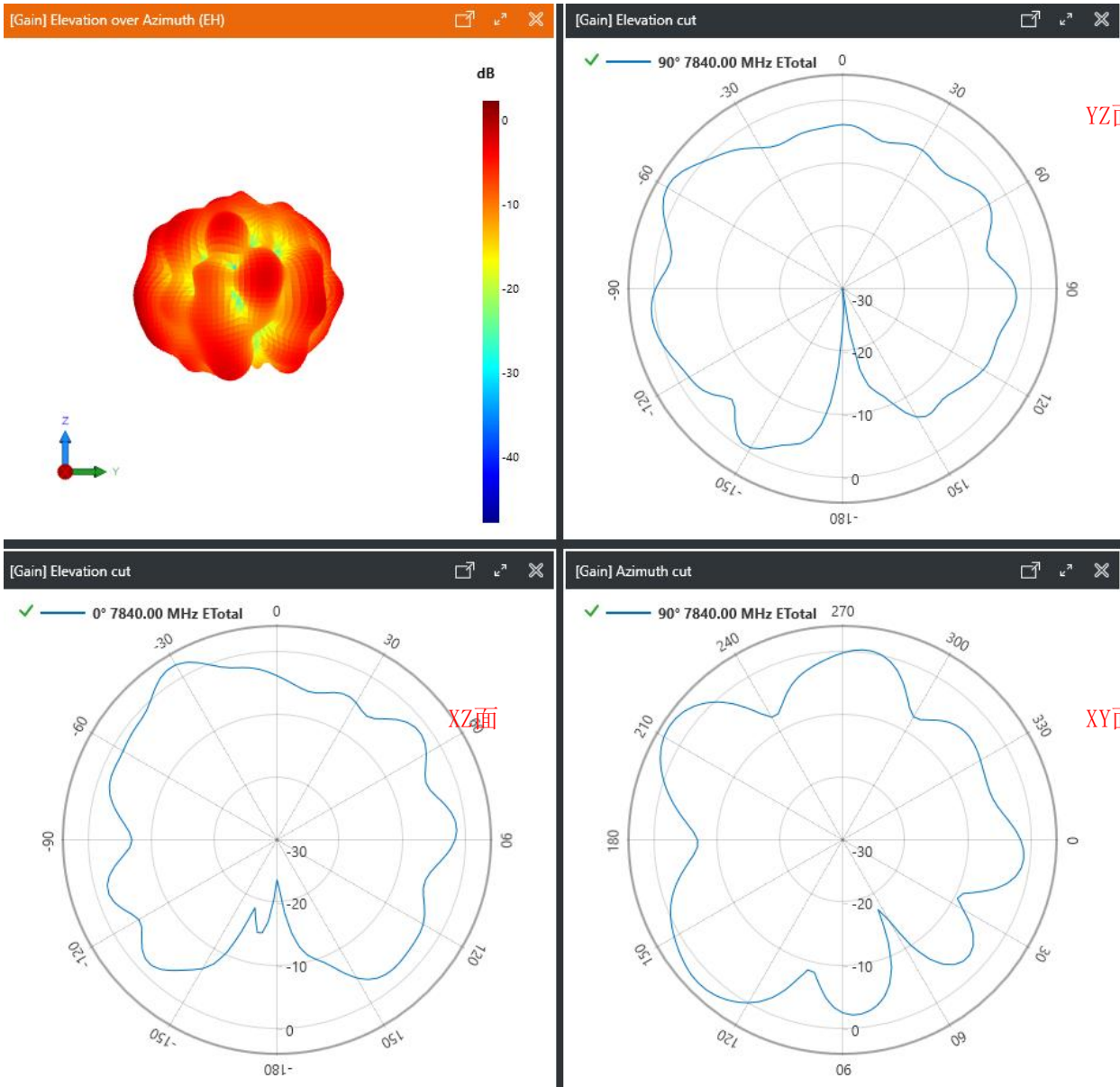
天线辐射方向图Radiation pattern

6300MHz



天线辐射方向图Radiation pattern

7840MHz



谢谢

thanks