

Manufacturer : zhongshanshiyunyoukejiyouxiangongsi

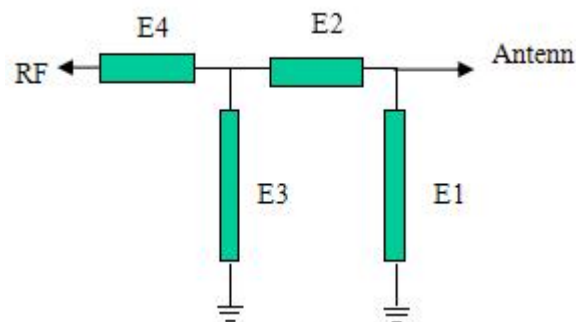
Address : 905-A2, Building 2, Shangfeng Financial and Business Center, No. 88, Zhongshan 4th Road, East District, Zhongshan City

Specifications

The M406 antenna is in the operating frequency band. 2.4/5.0-5.8mhz, resonance is generated in this frequency band.

Antenna matching circuit

The structure of the antenna: FPC+coaxial line



Test settings

The VSWR test devices are connected in sequence: E5071B network analyzer → 50 ohm coaxial Cable → 110mm long copper tube → test fixture

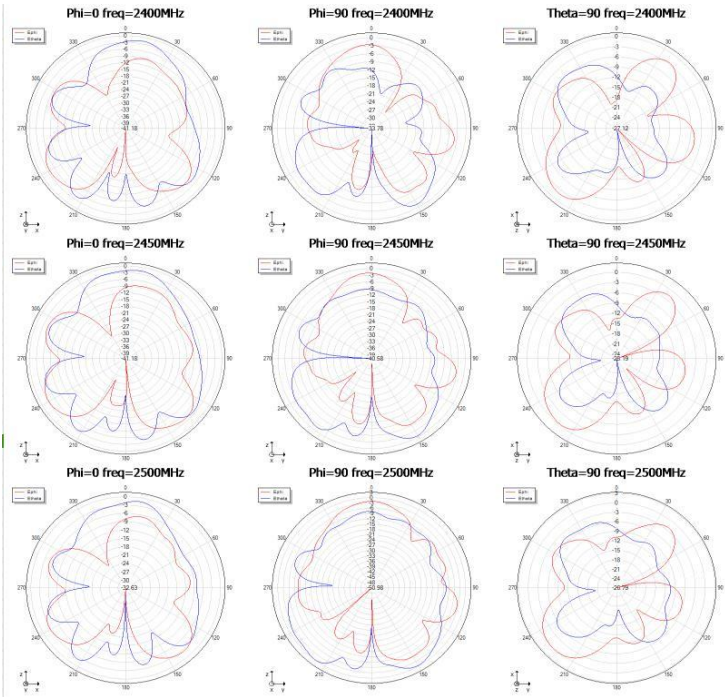
Treatment of test fixtures: Use a hard cable to lead the SMA-J connector from the 50-ohm test point of the mobile phone PCB, connect it to the copper tube with the choke coil, and then connect

other devices in turn.

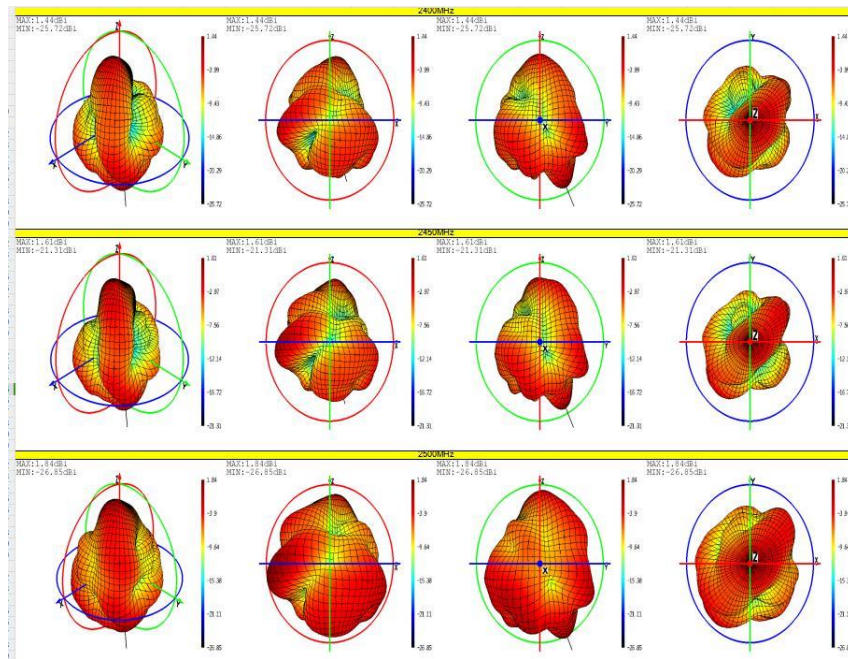
Passive test data:

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	5100	5200	5300	5400	5500	5600	5700	5800
Gain (dB)	1.44	1.14	0.80	1.35	1.30	1.61	1.68	1.75	1.81	1.87	1.84	2.30	3.42	4.04	4.14	4.78	4.37	3.86	4.38
Efficiency (dB)	-5.21	-5.12	-5.18	-4.63	-4.60	-4.26	-4.30	-4.07	-3.88	-3.75	-3.66	-4.77	-4.17	-3.83	-4.03	-4.04	-3.81	-3.77	-3.62
Efficiency (%)	30.16	30.78	30.32	34.41	34.69	37.46	37.19	39.14	40.89	42.18	43.03	33.36	38.25	41.37	39.53	39.45	41.57	41.96	43.48

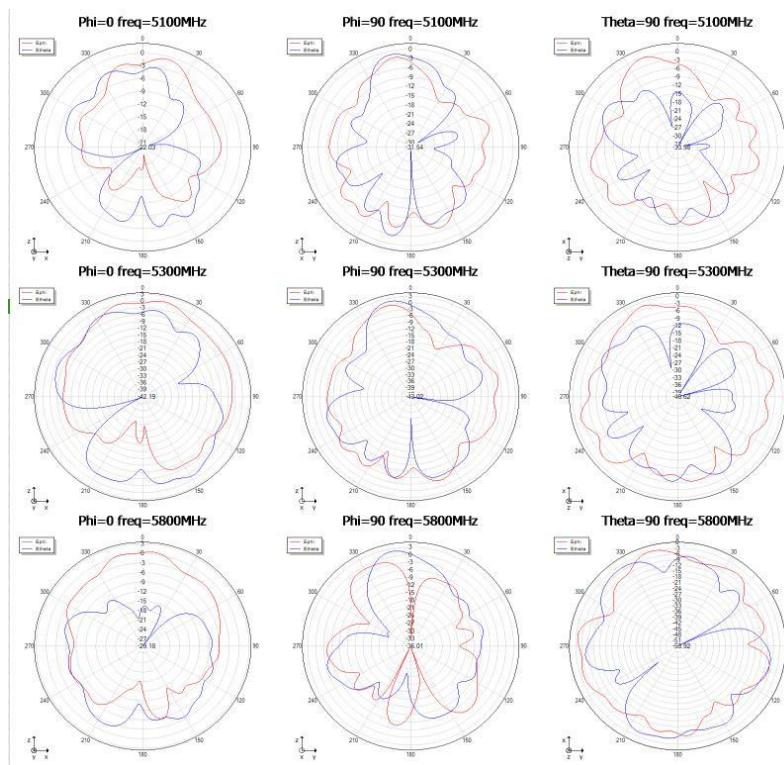
2. 4G-2D picture



2. 4G - 3D Picture



5G - 2D Picture



5G - 3D Picture

