



Product Specification Acknowledgement Letter

Deverma Wireless Transmission Laboratory

Shenzhen R & D Center

Mobile communication terminal antenna

Customer Name: Bosite

product name: 15.6-inch calendar photo

Model name: DWM-2.4/5.8-WiFi

Address: Room 301, 3rd Floor, Building 1, Youyi Industrial Zone, 23 Xinquan Street,
Bao'an District, Shenzhen, China

Phone: 0755-27885739 0755-27885839-800



1.purpose

Standardize the specifications and testing methods of the mobile communication terminal antennas produced by Shenzhen Deiwema Communication Equipment Co., Ltd., to prevent errors caused by differences in testing conditions and methods.

2 category

- 1、The antenna is an FPC antenna.
- 2、Antenna design frequency band: 2.4G/5.8G 。

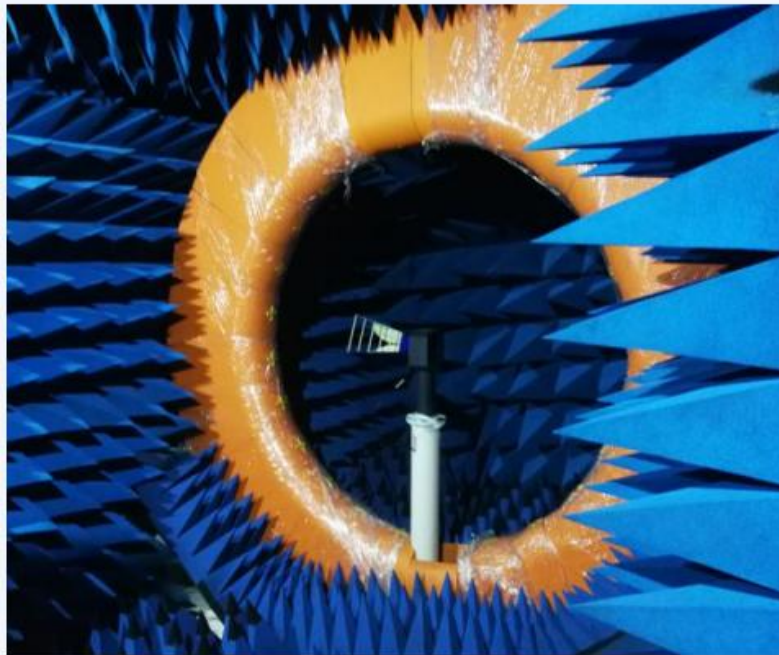
3.Technical indicators and instruments/equipment

3.1 技术指标technical index

Product electrical performance indicators	
operating frequency range	2400-2500 MHz 5150-5850 MHZ
standing-wave ratio (SWR)	2400-2500 MHz 5150-5850 MHz<2.0
antenna gain	2400-2500 MHz 5150-5850MHz<1.0
辐射效率antenna gain	2400-2500 MHz 5150-5850 MHz>50%
Impedanc	50 ohm
operating temperature	- 30°C ~ + 75 °C
storage temperature	- 30°C ~ + 75 °C



3.2 apparatus

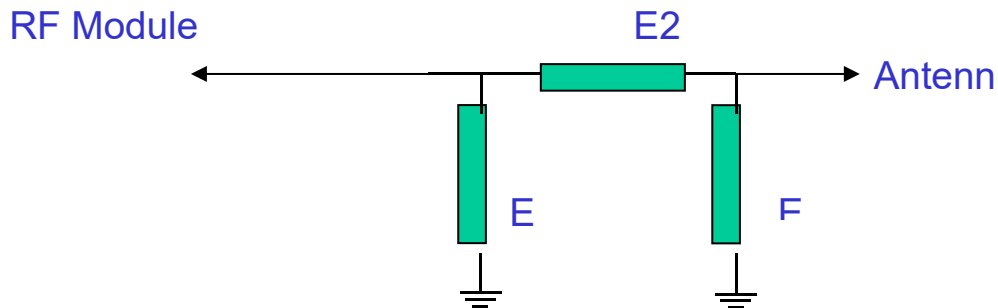


A 24-probe microwave chamber



4. Matching circuit description:

Our company did not make any modifications to the original matching circuit of the antenna.



Element	Value	Vender
E1(0201)		
E2(0201)		
E3(0201)		



4. antenna efficiency

2.4G

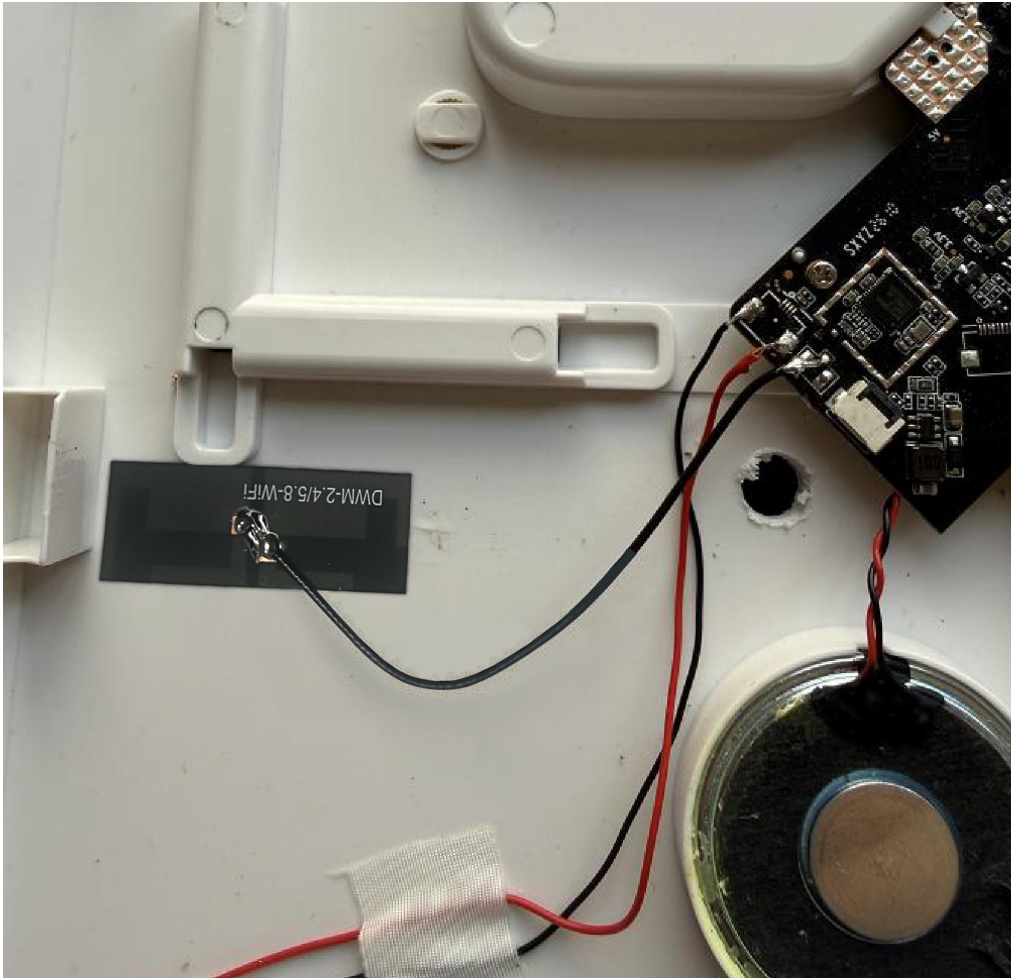
Gain&Efficiency&PhaseCenter 增益、效率和相位中心				
Frequency 频率(MHz)	Gain 增益(dBi)	MinGain 最小增益 (dBi)	Efficiency 效率(dB)	Efficiency 效率(%)
2400.00	5.11	-33.47	-1.56	69.86
2410.00	5.18	-30.37	-1.40	72.40
2420.00	5.16	-29.27	-1.39	72.69
2430.00	4.97	-33.21	-1.43	71.92
2440.00	4.82	-31.35	-1.42	72.03
2450.00	4.69	-30.97	-1.48	71.08
2460.00	4.41	-28.48	-1.65	68.44
2470.00	4.18	-26.86	-1.77	66.46
2480.00	3.97	-28.25	-1.90	64.60
2490.00	3.84	-28.89	-1.96	63.67
2500.00	3.34	-29.92	-2.43	57.14

5.8G

Gain&Efficiency&PhaseCenter 增益、效率和相位中心				
Frequency 频率(MHz)	Gain 增益(dBi)	MinGain 最小增益 (dBi)	Efficiency 效率(dB)	Efficiency 效率(%)
5100.00	3.01	-32.87	-3.49	44.74
5150.00	3.24	-29.20	-3.39	45.85
5200.00	3.88	-30.22	-3.13	48.67
5250.00	3.56	-33.81	-3.01	50.03
5300.00	3.55	-35.60	-3.12	48.70
5350.00	3.83	-32.38	-3.13	48.67
5400.00	4.28	-40.39	-2.71	53.56
5450.00	3.64	-33.97	-3.05	49.58
5500.00	4.66	-36.63	-2.24	59.64
5550.00	4.00	-32.96	-2.93	50.92
5600.00	3.98	-30.07	-3.01	50.02
5650.00	4.10	-30.15	-2.71	53.60
5700.00	4.57	-28.79	-2.90	51.26
5750.00	4.20	-35.40	-3.18	48.12
5800.00	3.35	-37.53	-3.28	46.97
5850.00	3.24	-33.08	-3.48	44.83
5900.00	3.78	-36.41	-2.88	51.48

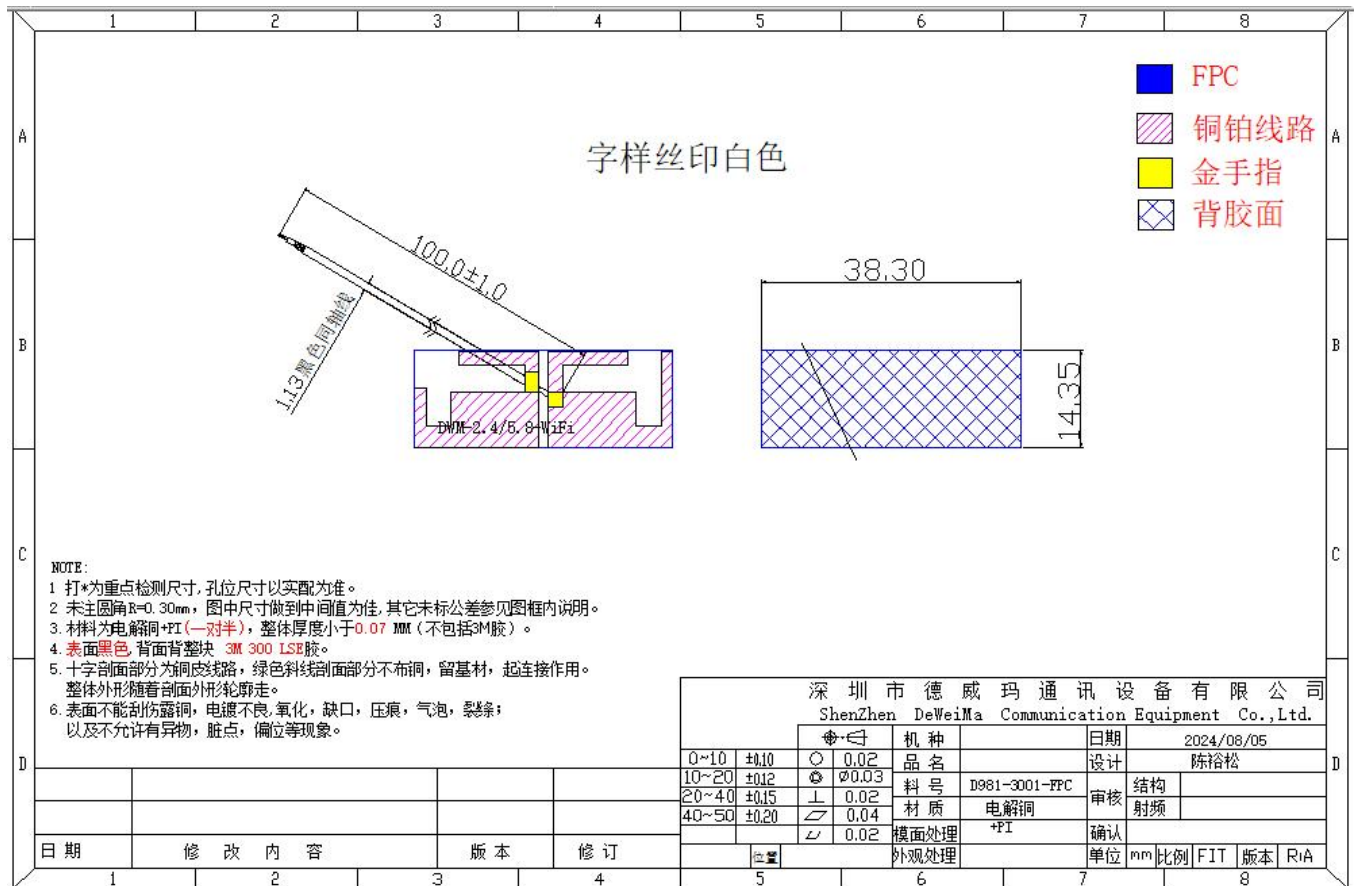


5. antenna position



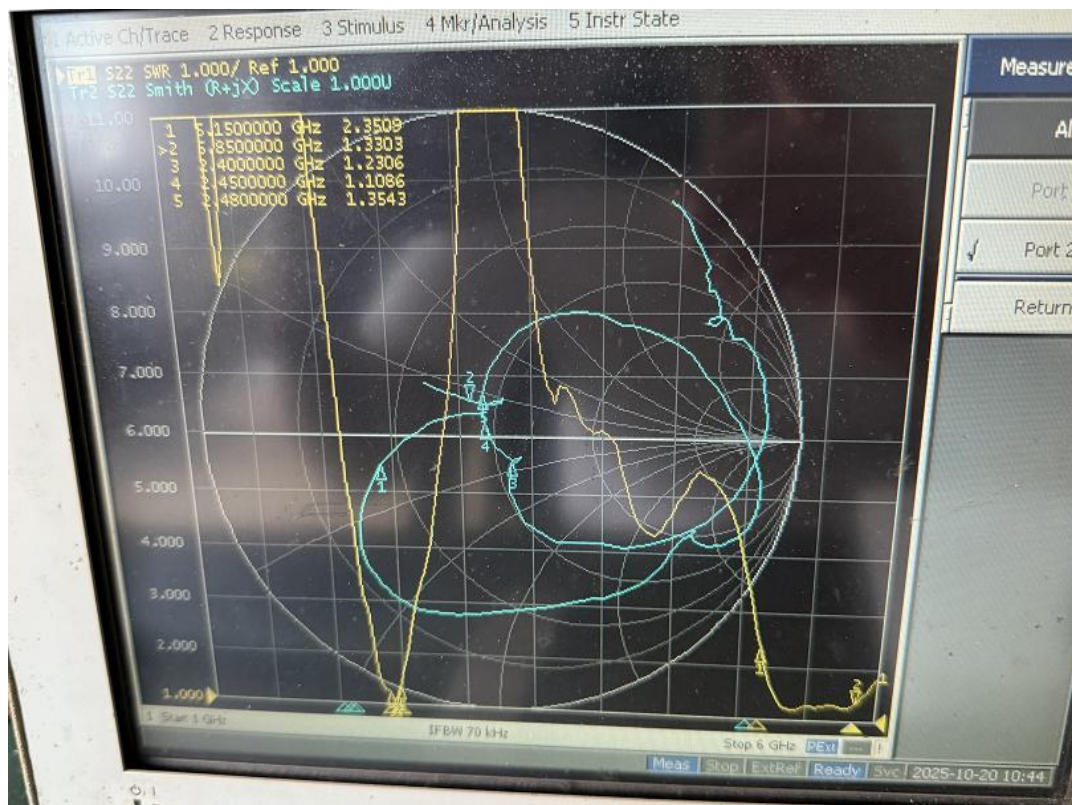


6. 天线结构图:





7. 天线驻波



8. 包装方式:

袋装, 100PCS/袋