

Shenzhen Dehuida Intelligent Technology Co., Ltd

深圳得辉达智能科技有限公司

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Model of prototype: MODBOX

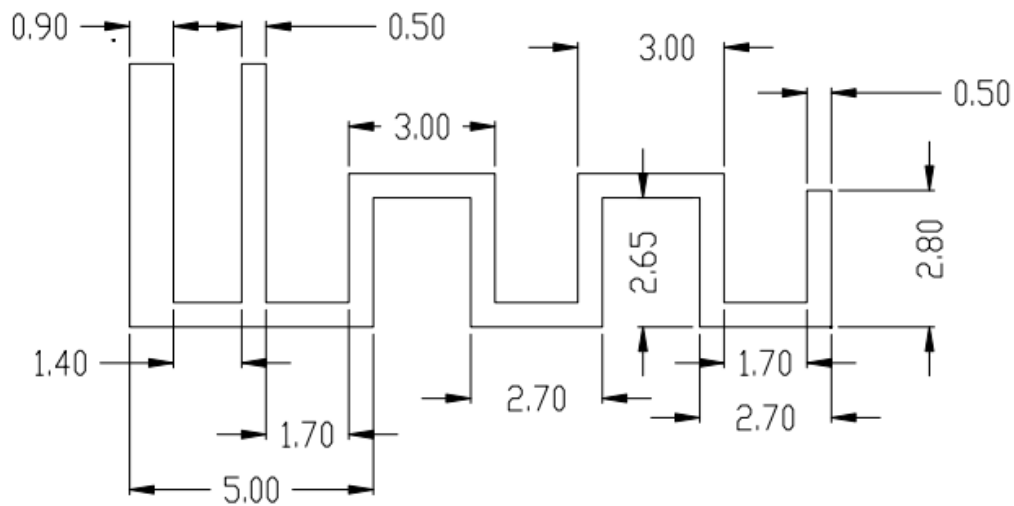
Supplierspecifications: 2.4G BT Antenna

Supplier model: MODBOX

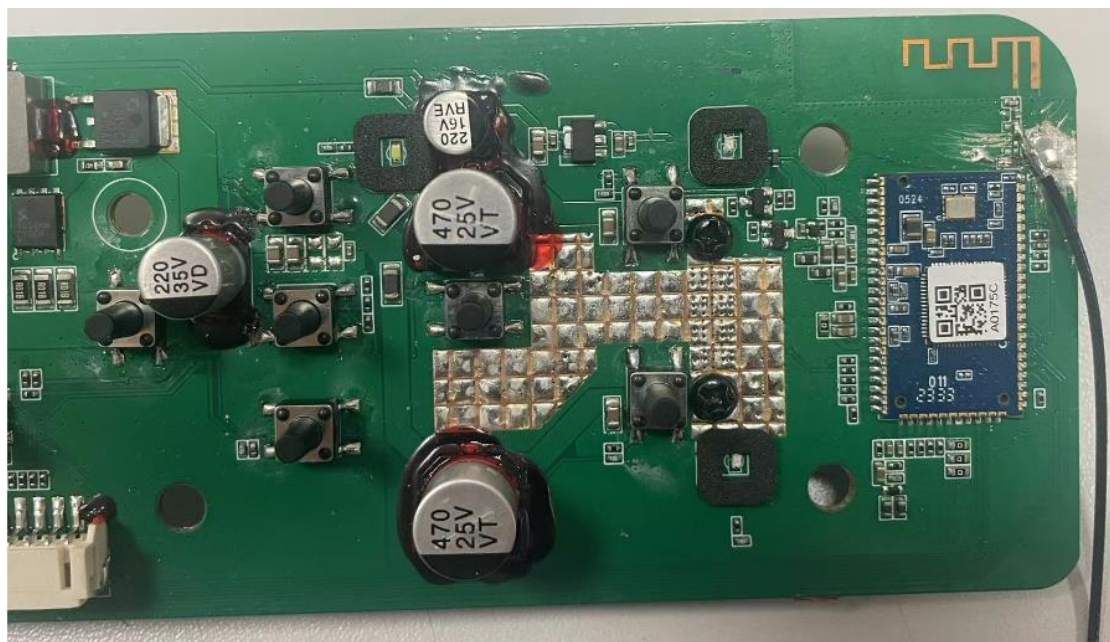
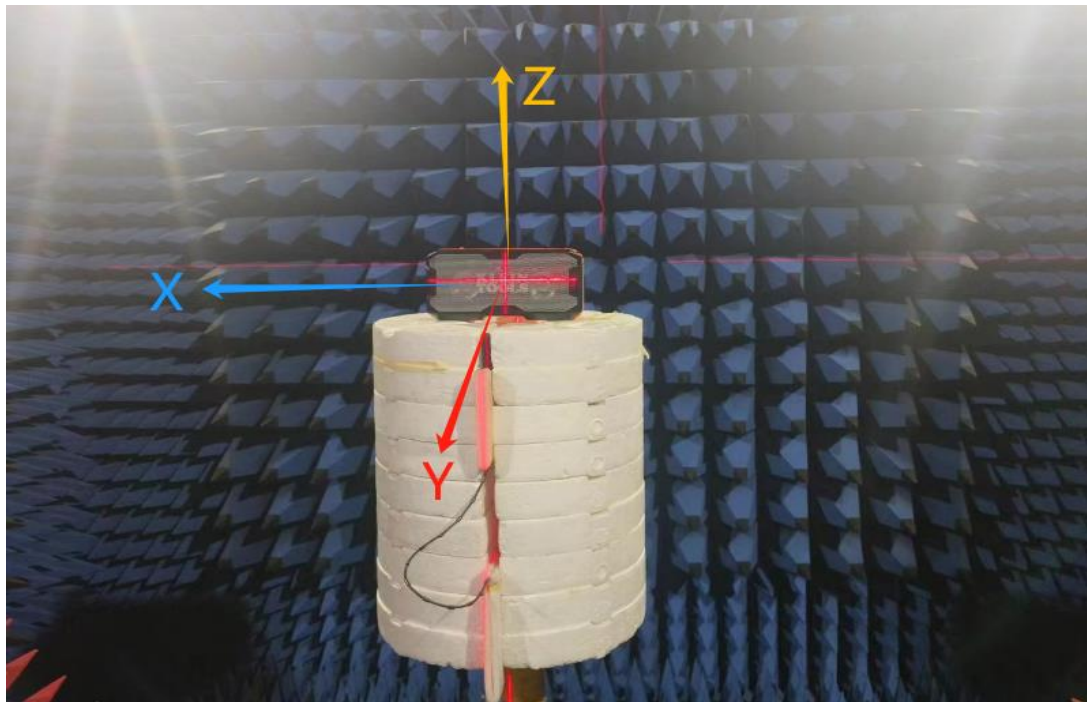
Antenna type: PCB Antenna

1.Antenna specifications and model

Antenna specifications

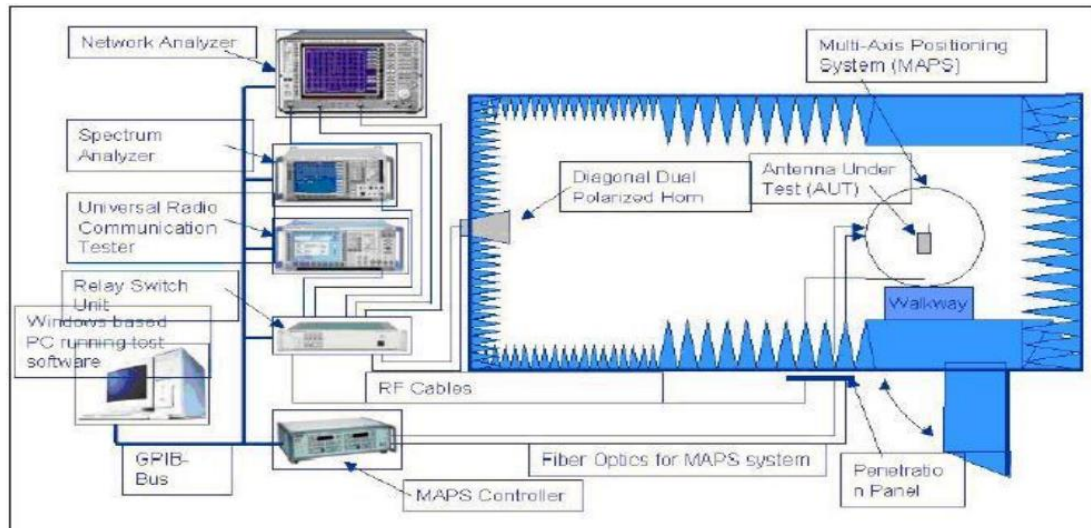


Supplier model

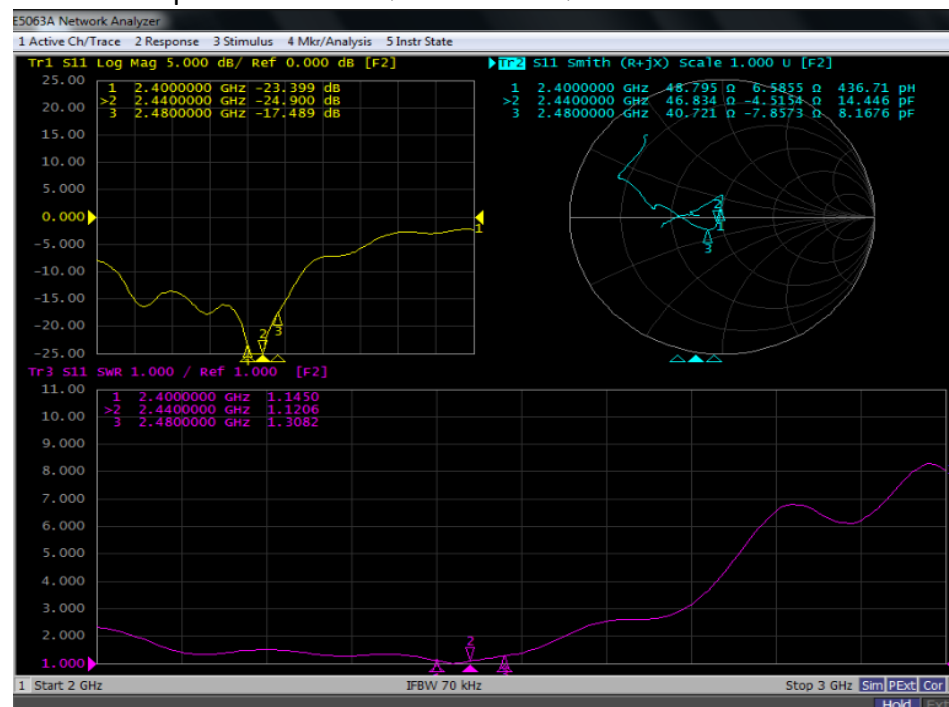


2. OTA test macro

1. Test instrument and environment: CTIA 743 darkroom, 8960 / 5515c, the mobile phone is placed back to the turntable 4 meters away from the standard horn antenna:



3. Antenna passive data S11, ReturnLoss, Smith

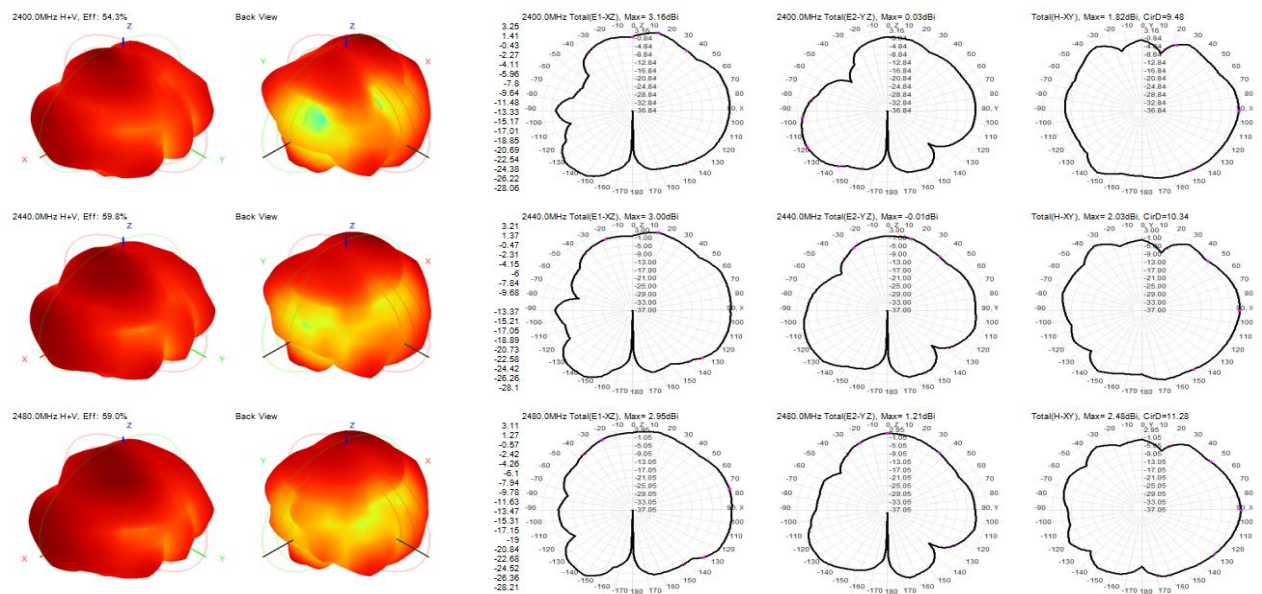


4. Gain of efficiency: MAX Gain: 3.30dBi

MODBOX 无源 OTA PCB 天线	Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain (dBi)
	2400	54.26	-3.32	3.25
	2410	55.58	-3.45	3.30
	2420	56.83	-3.74	3.30

	2430	58.63	-3.56	3.28
	2440	59.82	-3.54	3.21
	2450	60.55	-3.24	3.27
	2460	61.13	-3.09	3.20
	2470	60.60	-3.05	3.07
	2480	58.99	-3.34	3.11
	2490	55.79	-3.56	2.89
	2500	53.19	-3.98	2.67

5. 2D&3D antenna diagram



6. Antenna drawing:

