



Shenzhen HONDA WEI XIN Wireless Technology Co., Ltd.

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Address of Manufacturer: : Room 407, Building 5, Yingtai Industrial Road,
Langkou Community, Daliang Subdistrict, Longhua District, Shenzhen

Antenna Specification Document

Customer Name: Hongda Weixin

Supplier part number: 20505022492

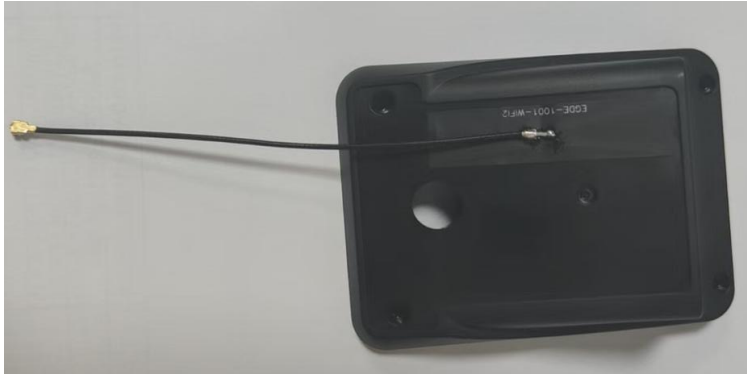
**Antenna specification: Internal 2.4G/5G built-in
antenna**

Issuance Date: August 14, 2026

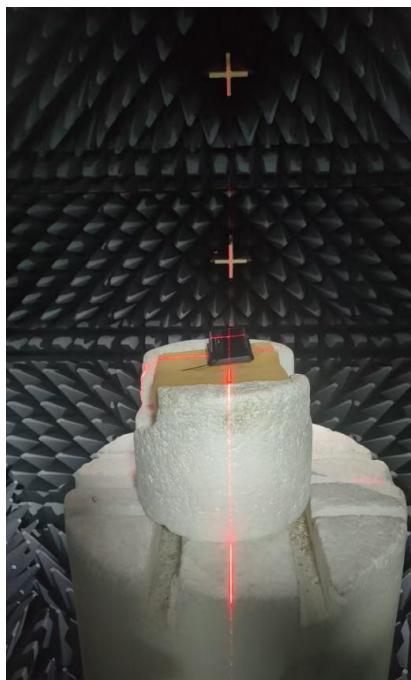
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1. Antenna Picture

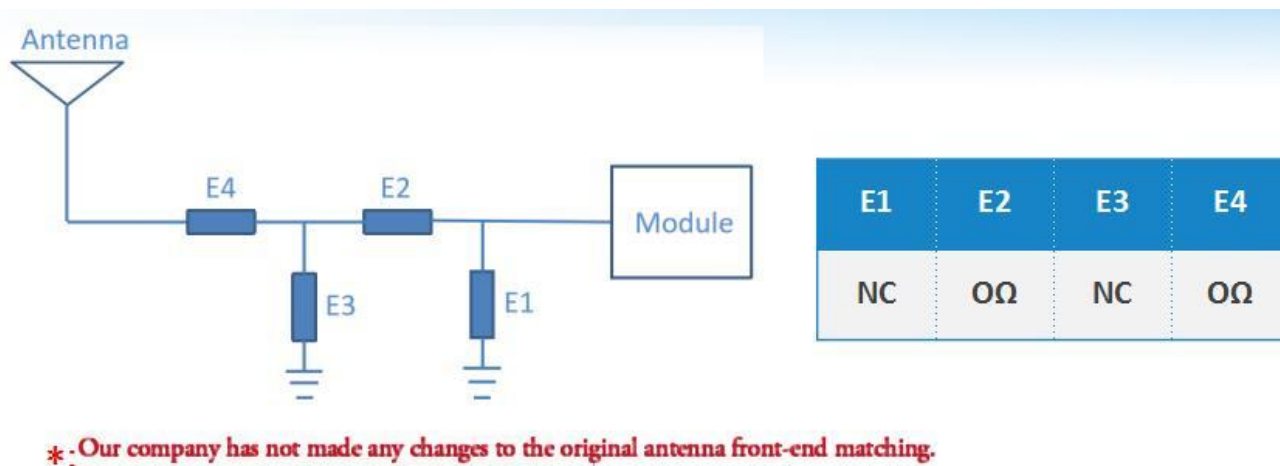


II. Testing Environment



三、 III. Antenna Matching

3.1. Antenna

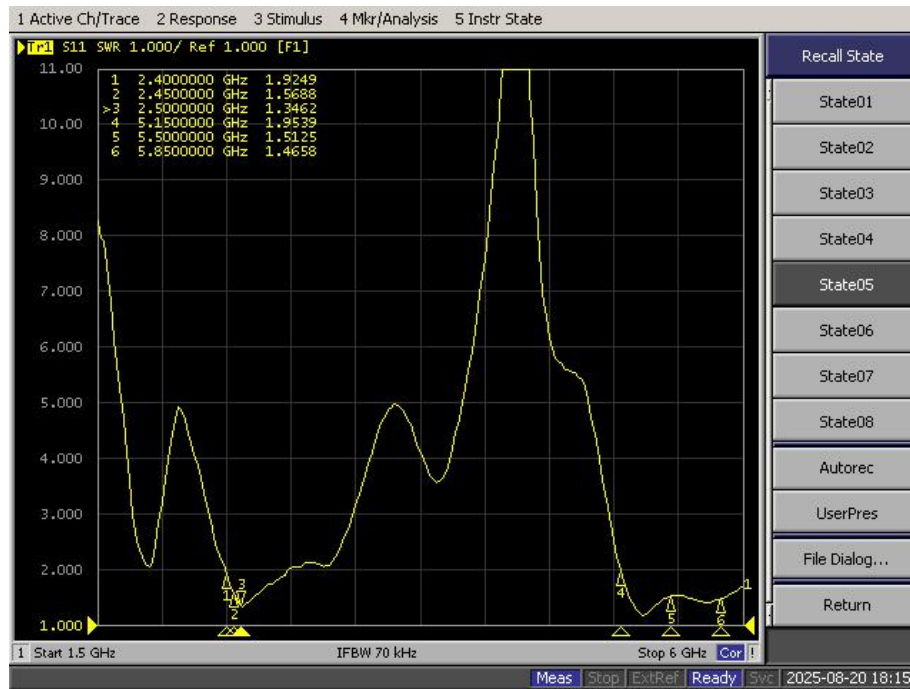


IV. Product Specifications

Passive Electrical Specifications		
Frequency Range (MHz)	2400-2500MHZ	5150-5850MHZ
Input Impedence (Ω)	50	
VSWR	≤2	
Gain (dBi)	<2dBi	

V. Electrical Performance Report

- VSWR



Frequency (MHz)	2400	2450	2500
VSWR	1.92	1.56	1.34



Gain efficiency

2.4G

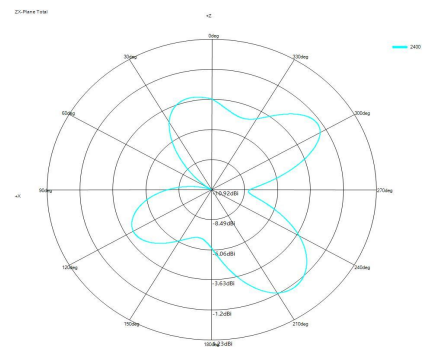
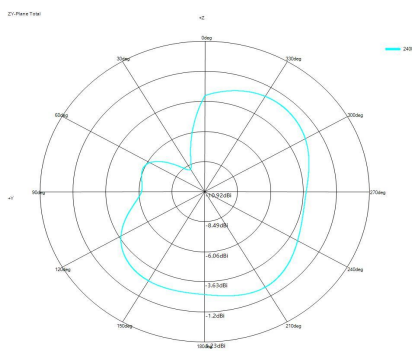
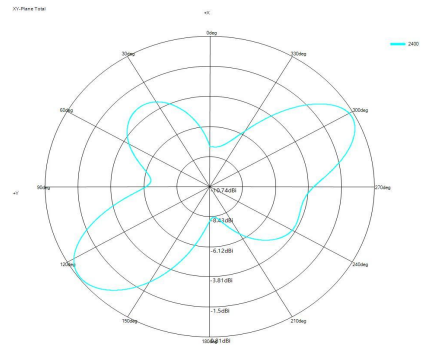
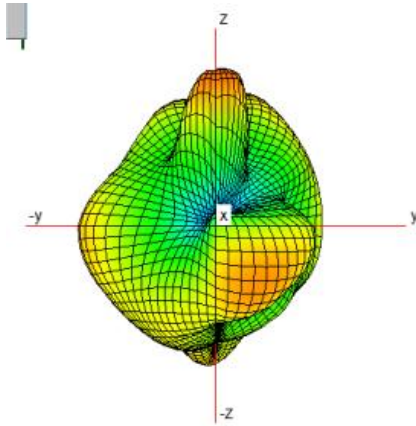
Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	0.81	48.93
2410	0.61	48.32
2420	1.13	47.70
2430	1.22	48.33
2440	0.55	48.52
2450	0.43	48.63
2460	0.94	47.80
2470	1.32	49.29
2480	0.96	50.81
2490	0.81	51.78
2500	1.01	51.33

5G

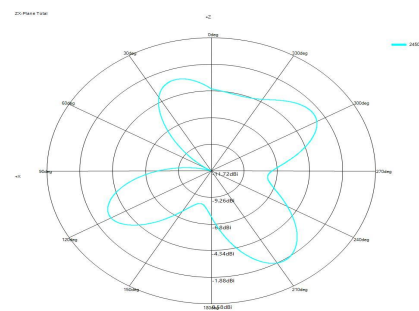
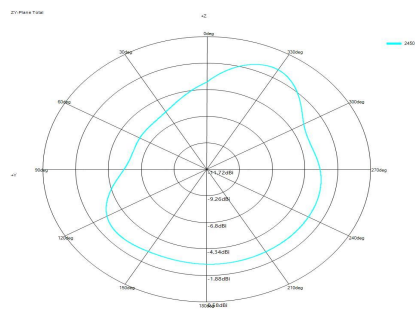
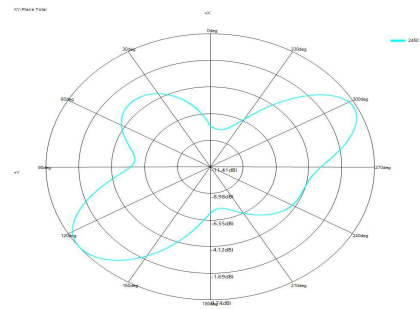
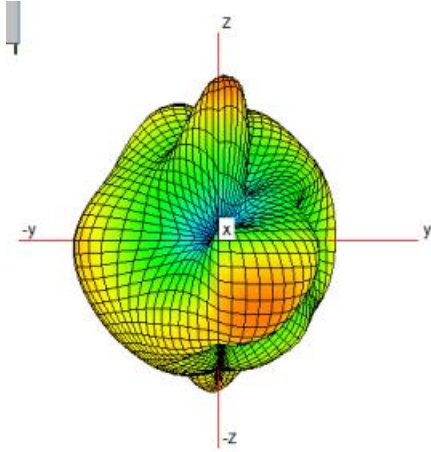
Freq (MHz)	Gain (dBi)	Efficiency (%)
5150	-2.36	25.65
5200	-2.31	25.36
5250	-2.27	26.49
5300	-1.66	29.98
5350	-1.25	31.91
5400	-1.11	33.06
5450	-0.80	36.03
5500	-1.27	35.81
5550	-0.46	38.62
5600	-0.33	38.13
5650	-0.10	37.18
5700	-0.78	37.96
5750	0.02	42.07
5800	-0.21	39.90
5850	-0.19	42.66

● Directional plot

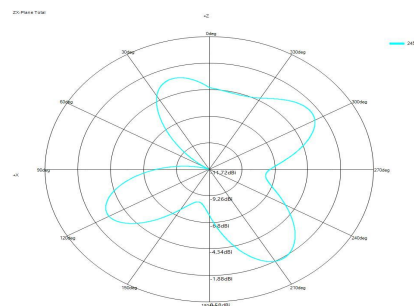
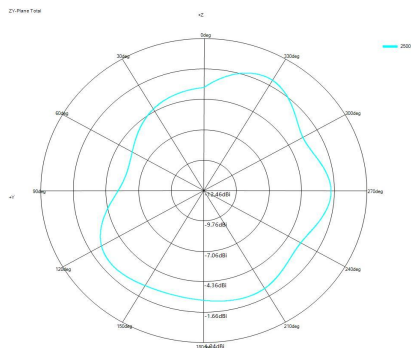
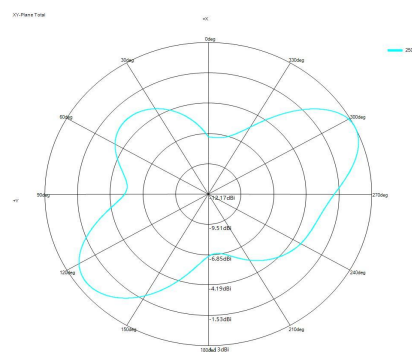
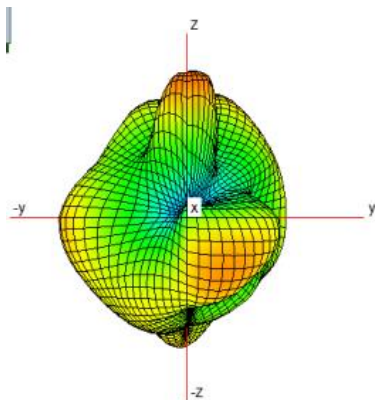
2400Mhz



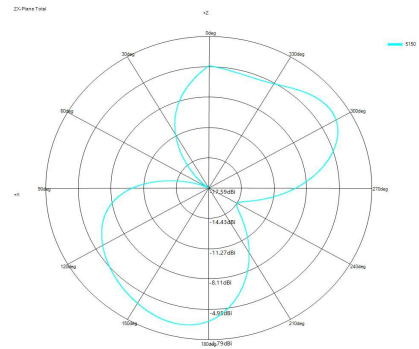
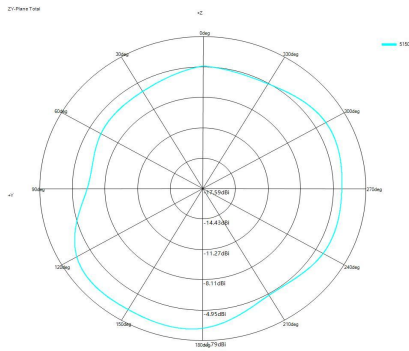
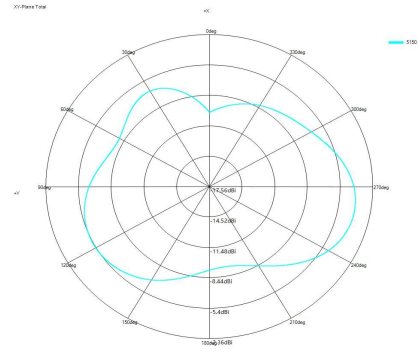
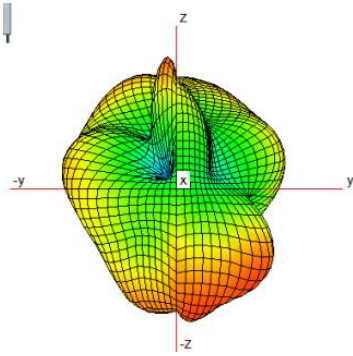
2450Mhz



2500Mhz

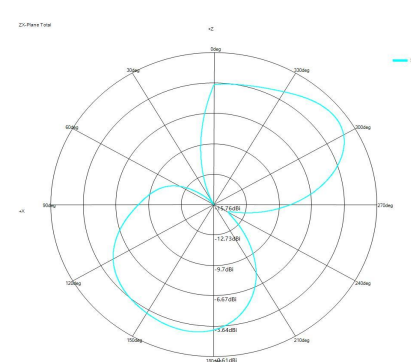
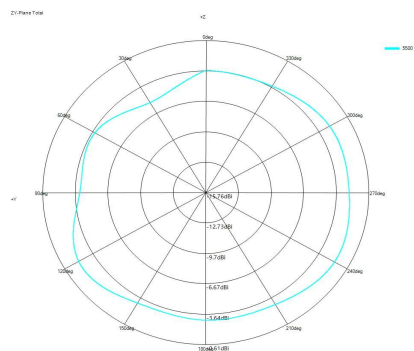
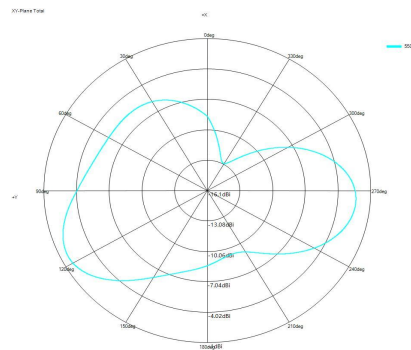
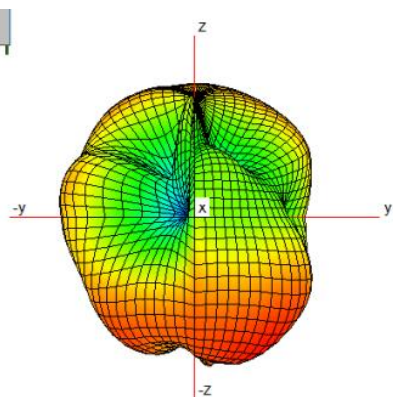


5150Mhz

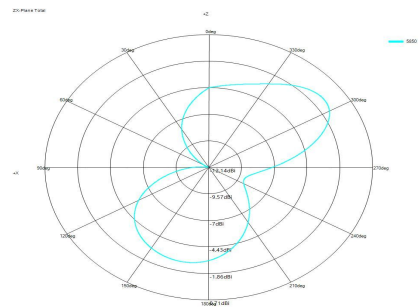
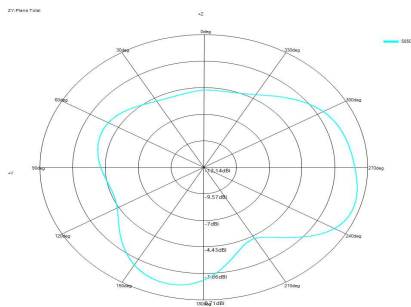
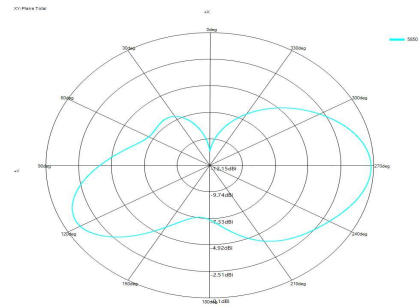
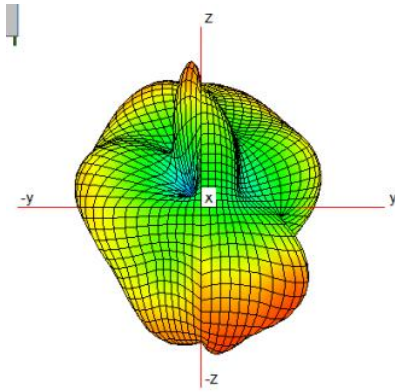




5500Mhz



5850Mhz





VI. Engineering Drawings

