

Antenna Test Report

Antenna Manufacturer: Kunshan Yunzhihong Electronic Technology Co., Ltd.

Manufacturer Address: 3rd Floor, Building 4, Zhongji Industrial Park, 399 Jujin Road, Zhangpu Town, Kunshan City, Jiangsu Province

Antenna Model: . GW0497-W03-00

Date: 2025-10-30

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1. Laboratory Information

1.1. Laboratory Address

Company Name: Kunshan Yunzhihong Electronic Technology Co., Ltd.

Address: 3rd Floor, Building 4, Zhongji Industrial Park, 399 Jujin Road, Zhangpu Town, Kunshan City, Jiangsu Province

Tel/Fax: 0512-36606645

1.2. Test Environment

Test Temperature: 20°C ~ 30°C

Test Humidity: 25% ~ 75%

2. Antenna Information

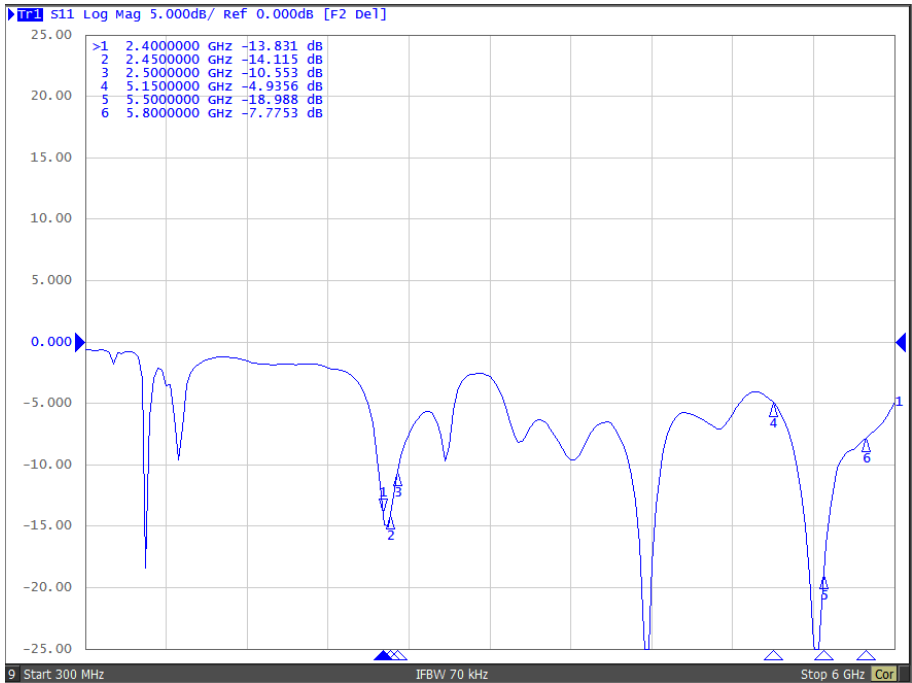
Antenna type	PCB+Cable_Dipole Antenna
Frequency Band	2400~2500MHz+5150~5850MHz

3. Equipment List

OTA Test System			
No.	Name	Model	Manufacturer
1	RF shielded Anechoic Chamber	4*3*3	GP
2	RF switch box		GP
3	ENA	E5071	Keysight
4	Radio Communication Analyzer	CMW500	R&S

4. Test Results

4.1.Antenna S11

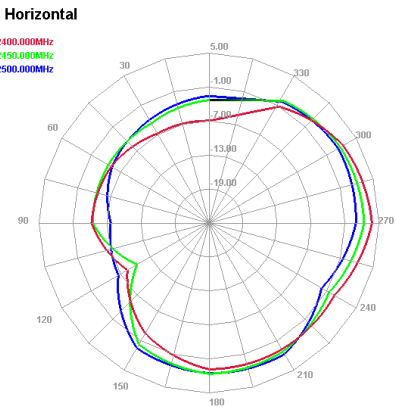


4.2.Antenna Efficiency and Gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	58.7	-2.3	3.8	5150	46.0	-3.4	3.9
2410	54.3	-2.7	3.1	5200	47.6	-3.2	4.0
2420	54.9	-2.6	2.8	5250	49.5	-3.1	4.1
2430	54.8	-2.6	2.5	5300	60.6	-2.2	4.9
2440	58.6	-2.3	2.4	5350	71.2	-1.5	5.2
2450	61.1	-2.1	2.4	5400	70.5	-1.5	5.1
2460	58.9	-2.3	2.0	5450	68.7	-1.6	4.8
2470	57.6	-2.4	2.0	5500	68.2	-1.7	4.8
2480	58.0	-2.4	2.2	5550	67.1	-1.7	4.5
2490	58.3	-2.4	2.4	5600	57.5	-2.4	4.1
2500	58.1	-2.4	2.3	5650	52.9	-2.8	4.0
AVG	57.6	-2.4	2.5	5700	52.8	-2.8	4.2
				5750	55.5	-2.6	4.2
				5800	47.7	-3.2	3.6
				5850	41.2	-3.9	2.9
				AVG	57.1	-2.5	4.3

4.3. Antenna Radiation pattern

2400~2500MHz



5150~5850MHz

