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| <input checked="" type="checkbox"/> | Engineering sample |
| <input type="checkbox"/> | Pilot production |
| <input type="checkbox"/> | Volume production |

TEST REPORT

Model: TT-2451D03-02

Date: 2009-9-18



Tongyu Communication Equipment Co., Ltd.

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1. General

This report presents the measured electrical parameters of an antenna as detailed below.

Model: TT-2451D03-02

Description: 2400~2500/4900~5900MHz 2dBi vertical polarized terminal antenna

2. Measurement conditions

All measurements are carried out in an anechoic chamber using the following measurement equipment: Network Analyzer: E5062A,

3. Summary of Electrical Parameters

The Table below shows the principle measured electrical parameters of the antenna.

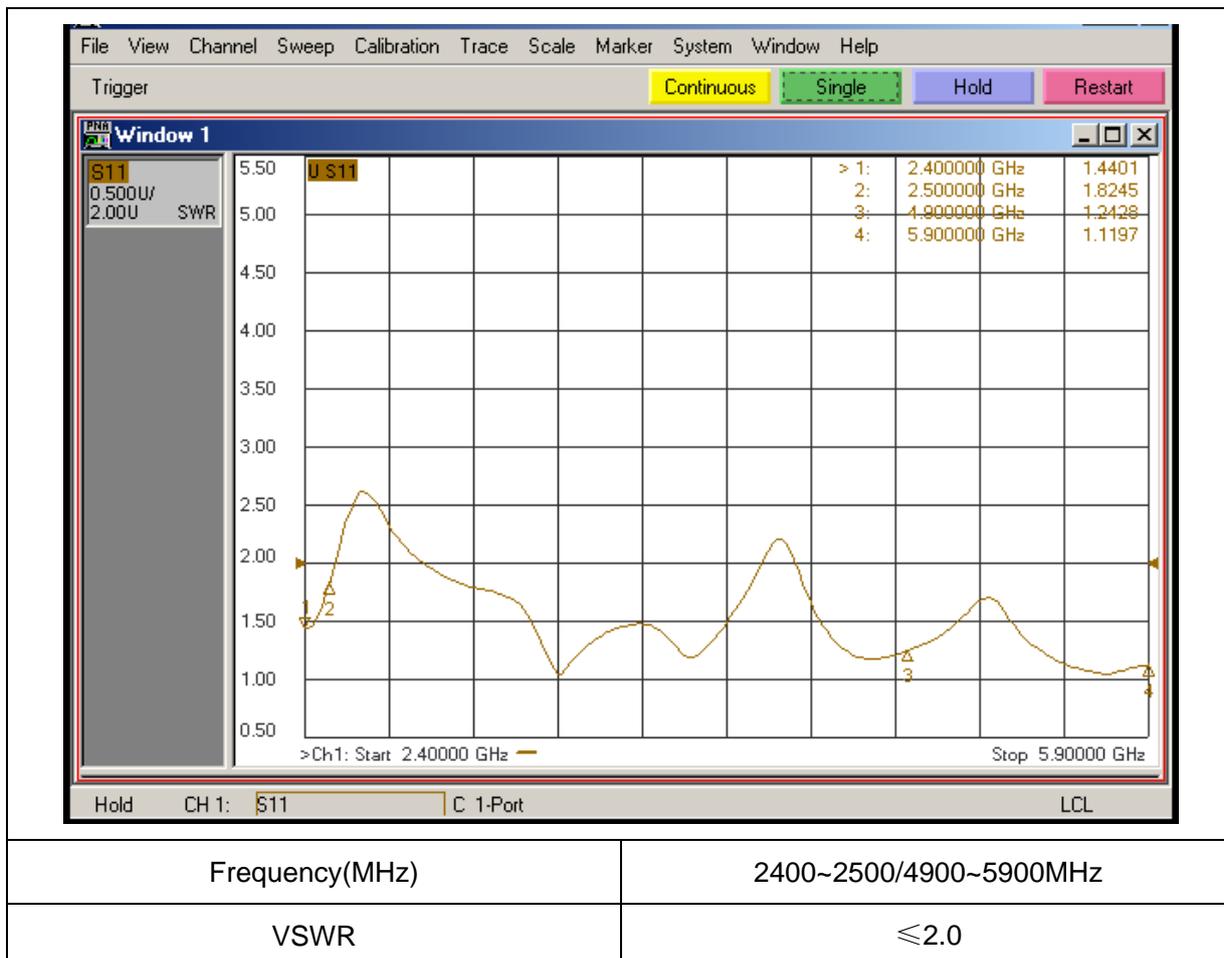
Specification	Target	Measured
Frequency(MHz)	2400~2500/4900~5900MHz	
Impedance(Ω)	50	
Polarisation	Vertical	
VSWR	2.0	≤ 1.82
Gain (dB)	2.0	1.61~3.31

4. Antenna Photo



5. Test result

5.1 VSWR Chart



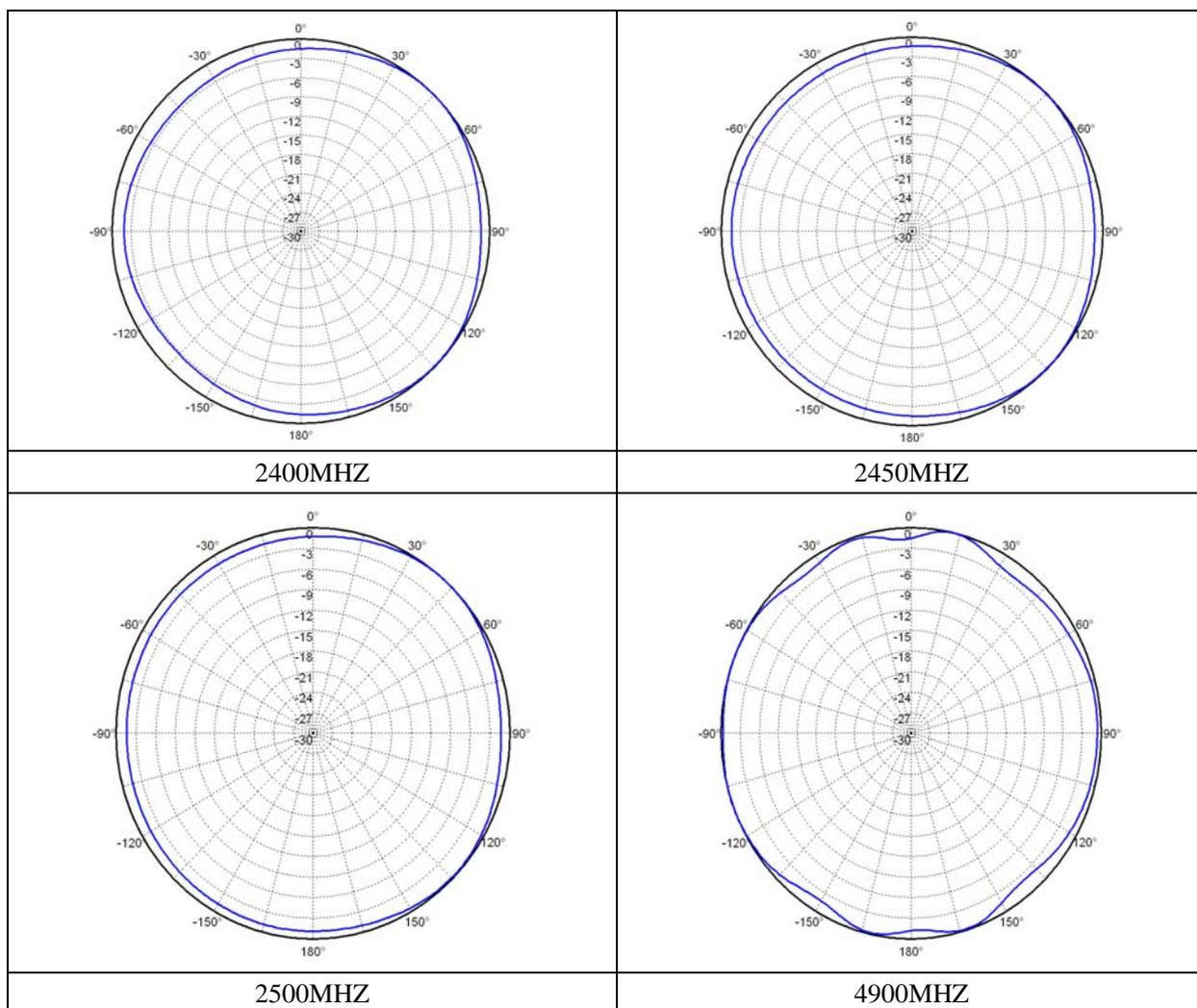
5.2 VSWR

Model	Frequency (MHz)	VSWR
TT-2451D03-02	2400	1.44
	2500	1.82
	4900	1.24
	5900	1.12

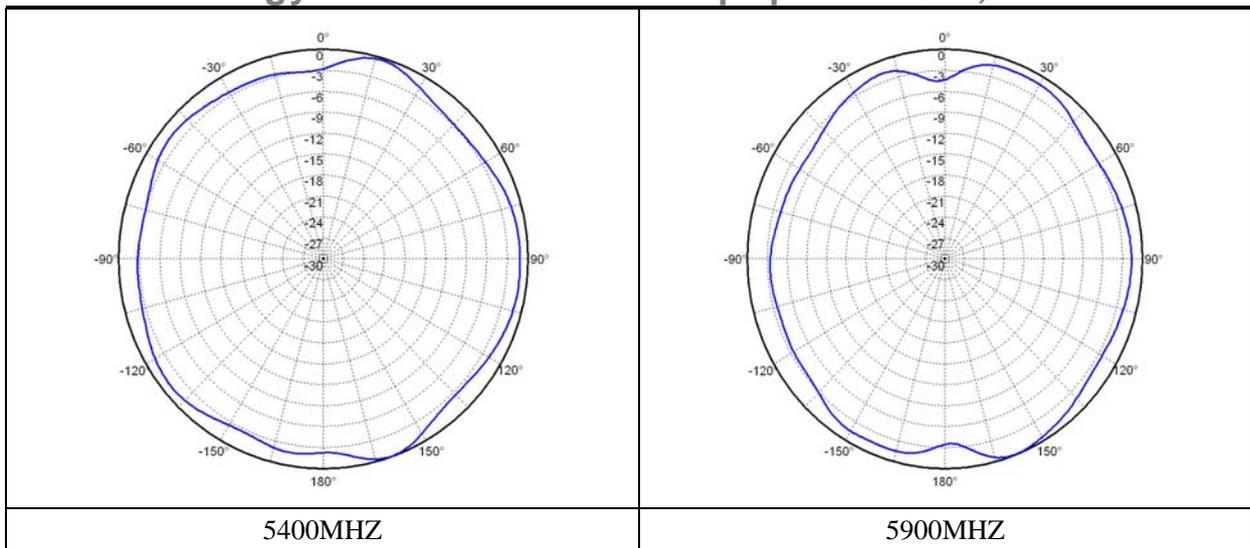
5.3 Gain

型号	频率	增益
TT-2451D03-02	2400	1.61
	2450	1.86
	2500	1.72
	4900	1.56
	5400	2.46
	5900	3.31

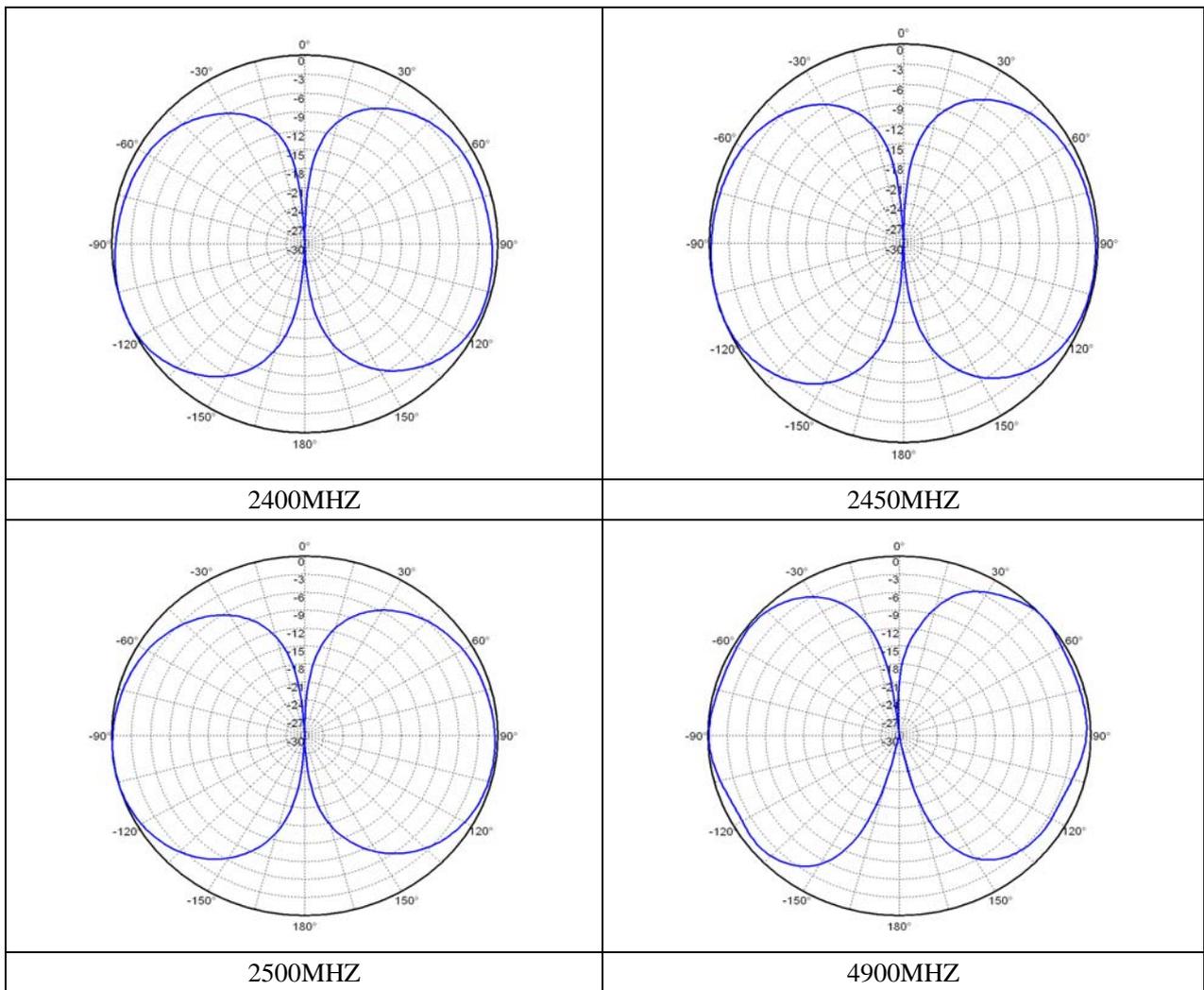
6 H-plane Radiation Pattern



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7 E-plane Radiation Pattern



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