

Antenna Performance Test Report

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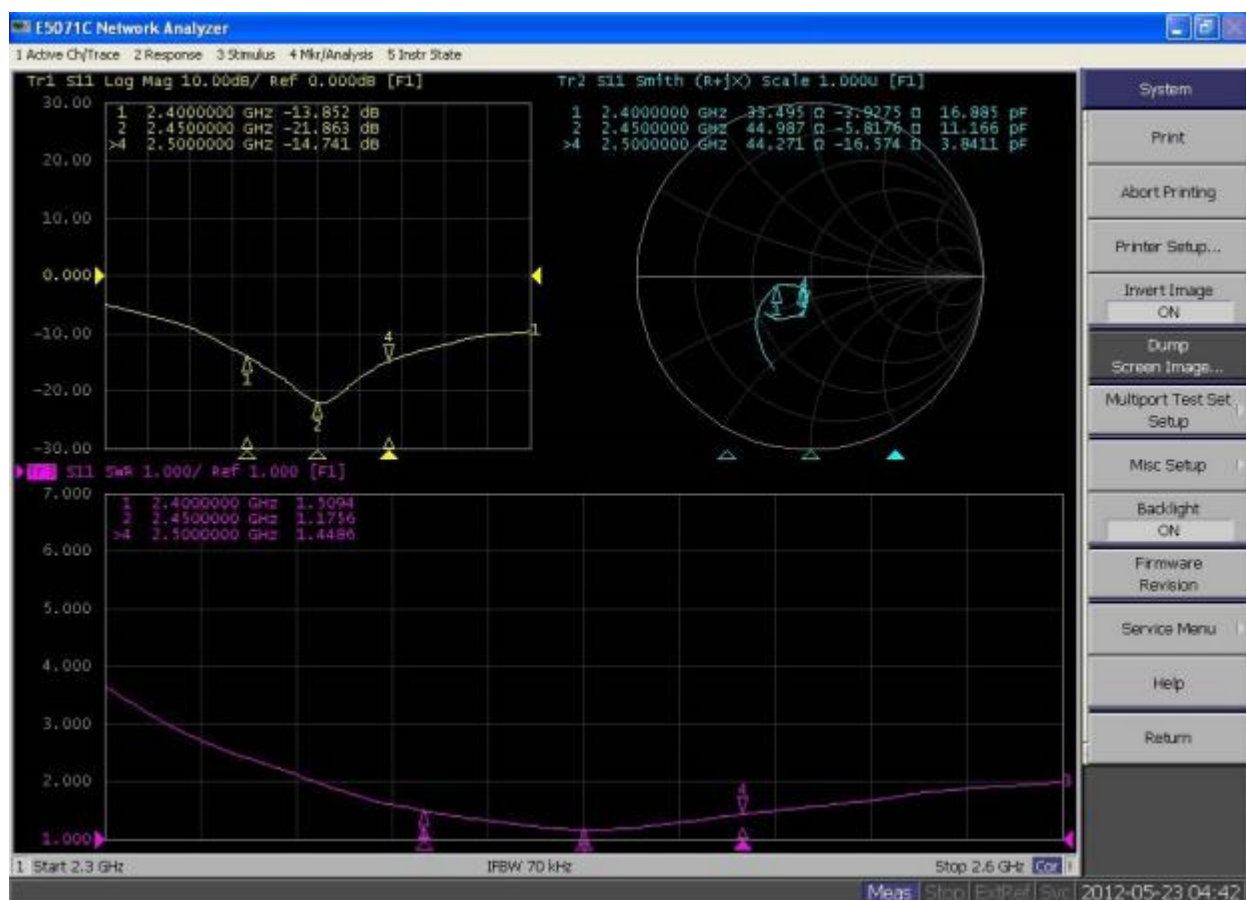
Antenna name	MS600-ANT
type	MS600, PS300, MS650
Antenna type	■PCB printed antenna
frequency band	■2.4~2.5GHz

1. Summarize

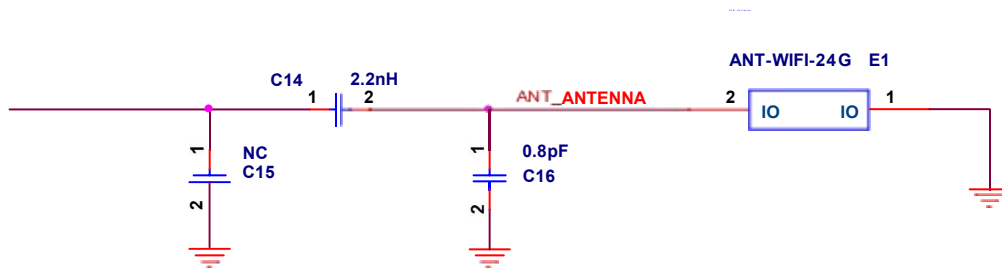
The test antenna is a printed antenna on the board, used for the WiFi module, with a frequency of 2.4G-2.5G. The shape of the antenna is as follows:



2. s-parameter



The matching circuit and values are as follows::

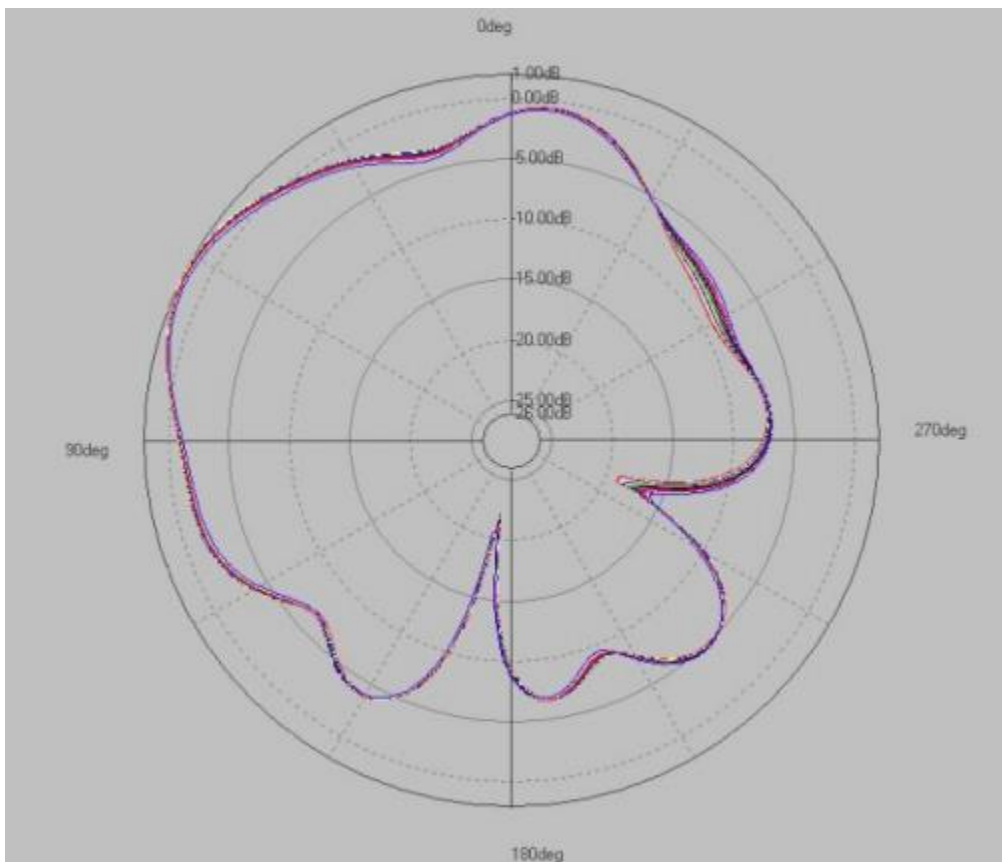


3. transmission gain

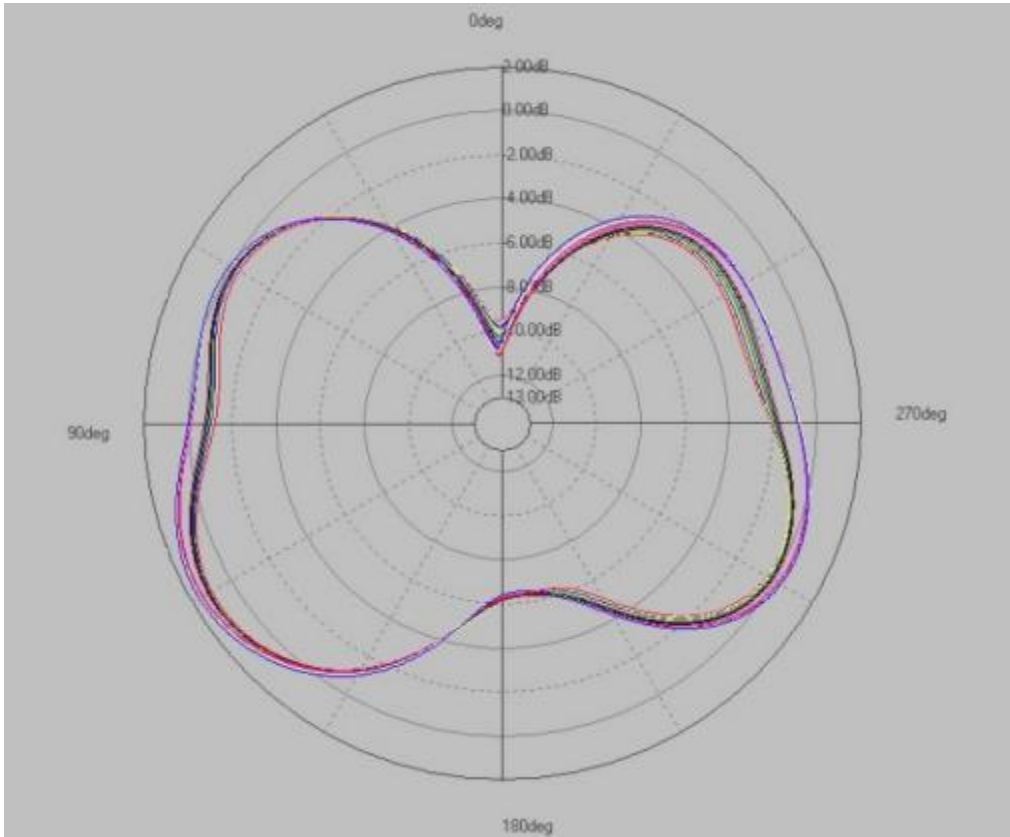
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	1.52	1.62	1.61	1.59	1.57	1.53	1.43	1.42	1.44	1.47	1.44

3.1 2D directivity diagram

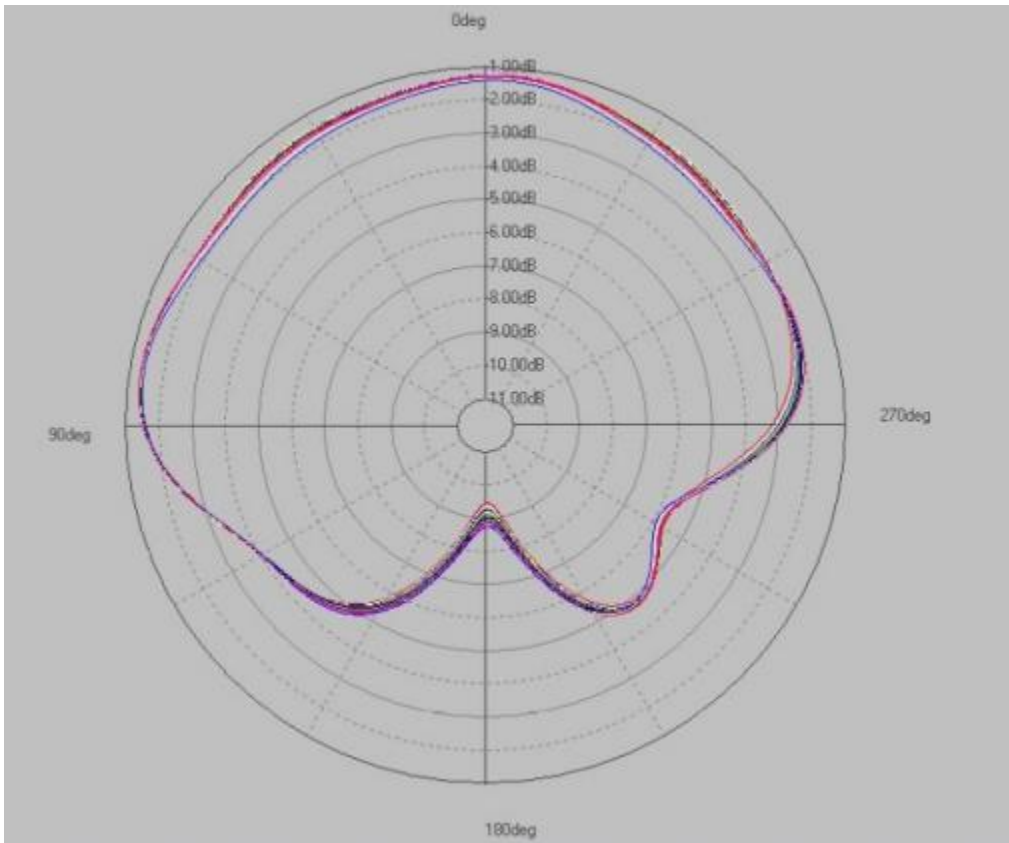
Phi=0°



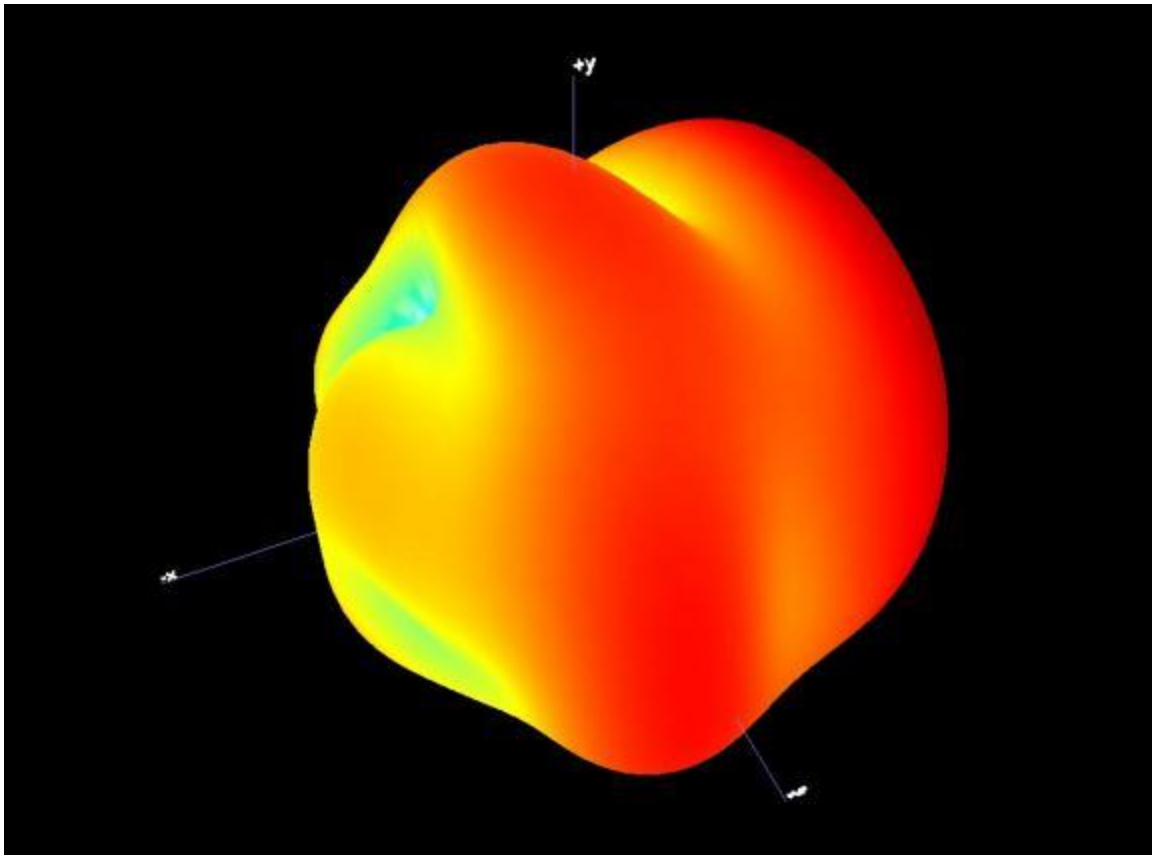
Phi=90 °



Theta=90 °



3.2 3D directivity diagram



4. Efficiency

Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency	0.612	0.616	0.614	0.613	0.609	0.608	0.607	0.606	0.602	0.593	0.585