

007 Antenna Specification

Customer	Hongjiayuan
Project	007-WIFI
Antenna BAND	WIFI
Product Description	PCB
Product No	V1.0

This report is to measure the performance of WIFI antenna for **007**
.The antenna operating frequency at
(2400–2500MHZ) , All test data are showed as below.

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2. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & HP 8753
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& FT SG24
Gain & Efficiency	Gain & Efficiency	ETS&FT SG24 Agilent 5071C



Prototype images and antenna positions



Prototype images and antenna positions

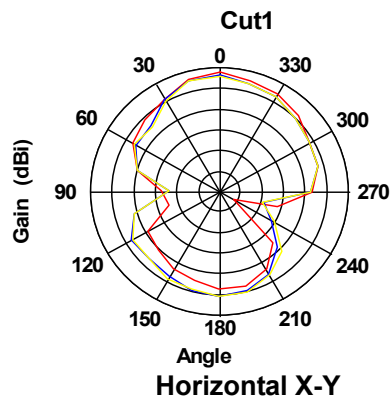




天线S11

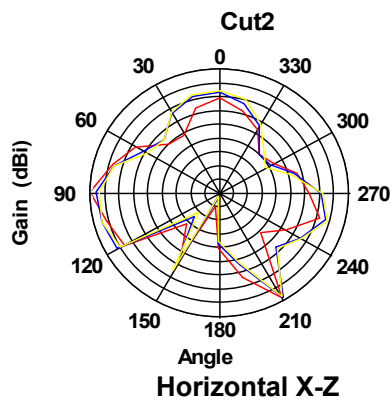
Test Item	Test State	Frequency (MHz)	Efficiency (%)	Gain (dBi)	Note
Gain	Free Space	2400	72.68	2.76	Vertical 30°
		2412	73.79	2.39	
		2417	77.04	2.97	
		2422	79.83	2.80	
		2427	81.19	2.89	
		2432	80.54	3.04	
		2437	76.86	2.86	
		2442	76.17	2.99	
		2447	73.99	2.96	
		2452	72.00	2.80	
		2457	70.71	2.72	
		2462	71.31	2.94	
		2467	71.32	3.12	
		2472	72.03	3.26	
		2477	72.71	3.24	
		2482	75.42	3.02	
		2490	85.32	2.57	
		2500	86.78	2.28	
Note: comment variation is +/- 0.02dBi					

Max: 5
Min: -25
Scale: 5/div



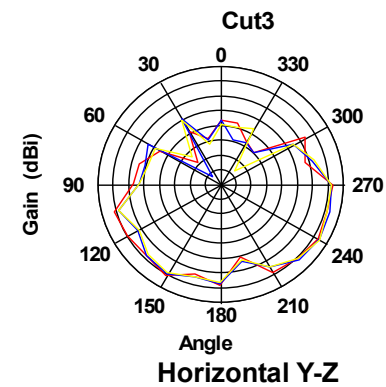
2400 MHz
2490 MHz
2500 MHz

Max: 4
Min: -14
Scale: 2/div



2400 MHz
2490 MHz
2500 MHz

Max: 0
Min: -40
Scale: 5/div



2400 MHz
2490 MHz
2500 MHz

Thanks for your comment!

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