

# Product Spec.

Customer Name	Tymphany		
Project Name	S53		
Customer P/N			
TE P/N	1-2195498-2		
Description	WLAN ( Free Space )		
DWG. Version		Doc. Version	Α
Green Part			

ME engine	eer	RD engineer	RD Supervisor	RD Manager
Allen 1	Hu	Raymond Wang		

Customer engineer Approval				

Ant-R004 Rev:1

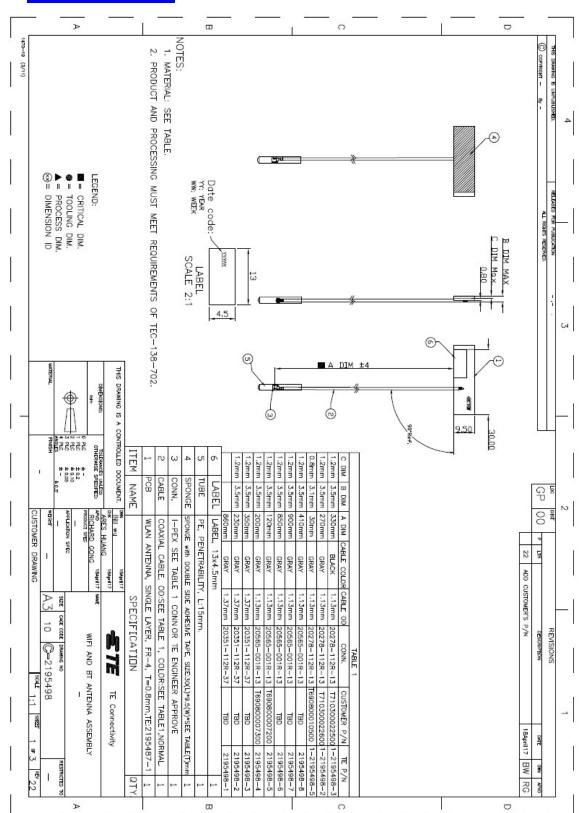


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# 1. Drawing(TE)





# 2. Antenna Photo





# 3. Antenna Related Data.

Frequency Range:

WLAN: 2400~2500MHz & 5150 ~ 5875MHz

Cable Color:

WLAN: Gray

Cable Type:

WLAN:  $\Phi$ 1.13mm

VSWR:

 $2400\sim2500MHz \le 7.5$ 

 $5150\sim5875MHz \le 3.5$ 

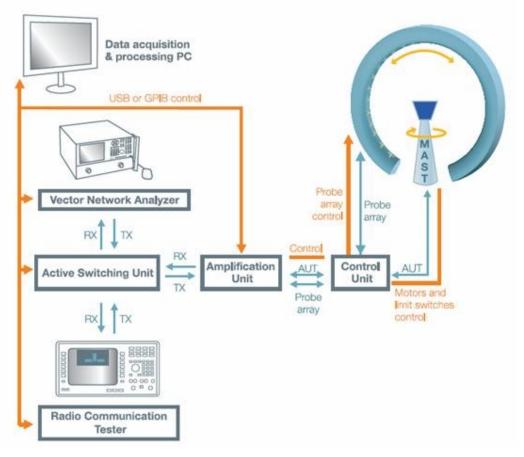
Average Gain:

≥ -8.5 dBi @ 2400~2500MHz ≥ -5.0 dBi @ 5150~5875MHz



# 4. Antenna Testing Conditions

## **Test Configuration(3D):**



(Testing by 3D anechoic chamber)

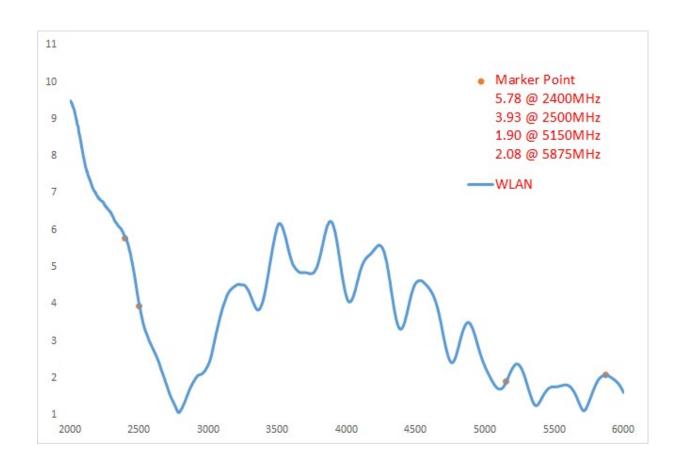


# 5. Test Result.

## **5.1 VSWR**

#### **WLAN**

Frequency (MHz)	2400	2500	5150	5875
WLAN	5.78	3.93	1.90	2.08





## 5.2 Gain value (Testing by 3D anechoic chamber)

## **WLAN**

Antenna	WLAN		
Frequency	Gain	Efficiency	
(MHz)	(dBi)	(%)	
2400	-7.00	20.0%	
2450	-5.09	31.0%	
2500	4.46	35.8%	
5150	-3.53	44.4%	
5250	-3.08	49.2%	
5350	-2.68	54.0%	
5470	-2.97	50.4%	
5725	-2.71	53.5%	
5785	-3.13	48.7%	
5875	-3.30	46.8%	

# 5.3 Gain Pattern (Testing by 3D anechoic chamber)

#### **WLAN**

