

Product Spec.

Customer Name	Tymphany		
Project Name	S53		
Customer P/N			
TE P/N	1-2195498-3		
Description	WLAN (Free Space)		
DWG. Version		Doc. Version	Α
Green Part			

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

Customer engineer Approval		

Ant-R004 Rev:1

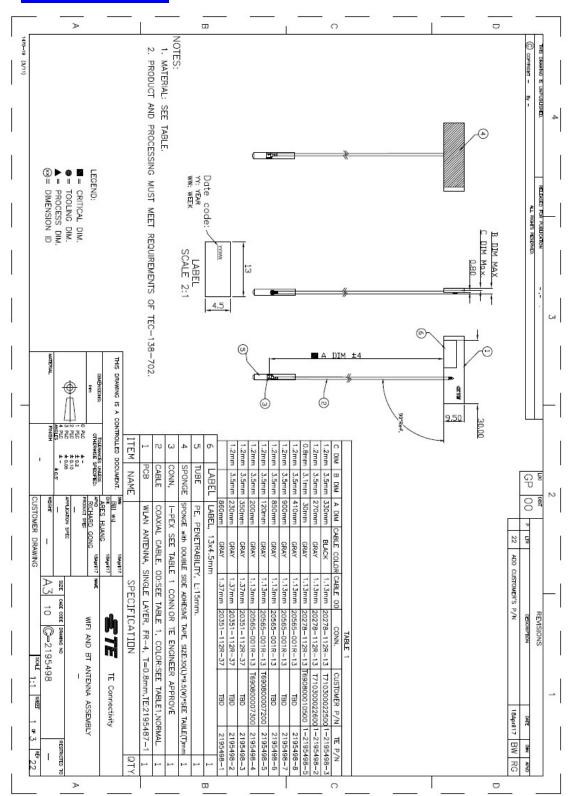


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1. Drawing(TE)





2. Antenna Photo





3. Antenna Related Data.

Frequency Range:

WLAN: 2400~2500MHz & 5150 ~ 5875MHz

Cable Color:

WLAN: Black

Cable Type:

WLAN: Φ 1.13mm

VSWR:

 $2400\sim2500MHz \le 6.5$

 $5150\sim5875MHz \le 3.5$

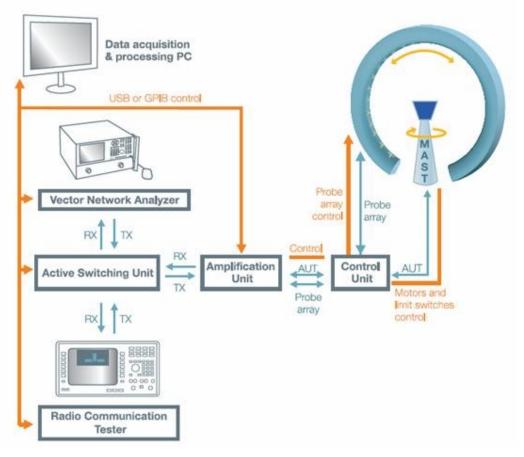
Average Gain:

≥ -8.0 dBi @ 2400~2500MHz ≥ -5.0 dBi @ 5150~5875MHz



4. Antenna Testing Conditions

Test Configuration(3D):



(Testing by 3D anechoic chamber)

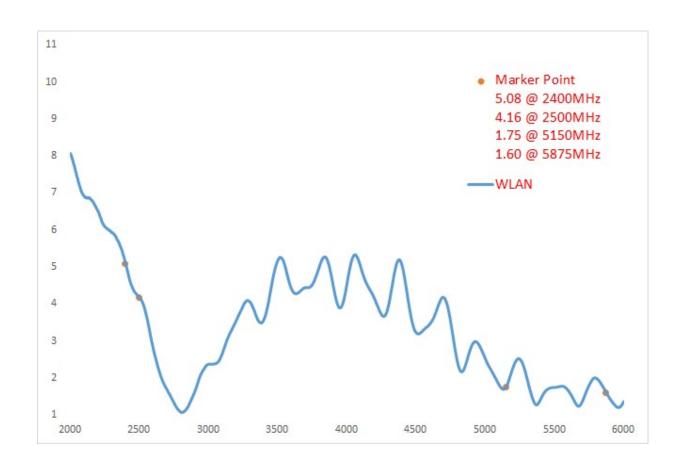


5. Test Result.

5.1 VSWR

WLAN

Frequency (MHz)	2400	2500	5150	5875
WLAN	5.08	4.16	1.75	1.60





5.2 Gain value (Testing by 3D anechoic chamber)

WLAN

Antenna	WLAN		
Frequency	Gain	Efficiency	
(MHz)	(dBi)	(%)	
2400	-6.28	23.5%	
2450	-6.26	23.7%	
2500	-5.22	30.0%	
5150	-3.35	46.2%	
5250	-3.21	47.8%	
5350	-2.85	51.9%	
5470	-2.95	50.7%	
5725	-2.94	50.8%	
5785	-3.31	46.7%	
5875	-2.74	53.2%	

5.3 Gain Pattern (Testing by 3D anechoic chamber)

WLAN

