

ESP ANT B Specification

Summary

ITEM	ANT SPEC
Product Name	ESP ANT B
Model	ESP ANT B
Frequency Range	2400 ~ 2500MHz
Max Gain	3.4 dBi
Antenna Type	PCB Antenna
Impedance	50ohm
Antenna Size	18mm * 6.19mm * 0.8mm
Manufacture	Espressif Systems
Company Address	#101, Block 2, 690 Bibo Road, Zhang Jiang High-Tech Park, Shanghai, China

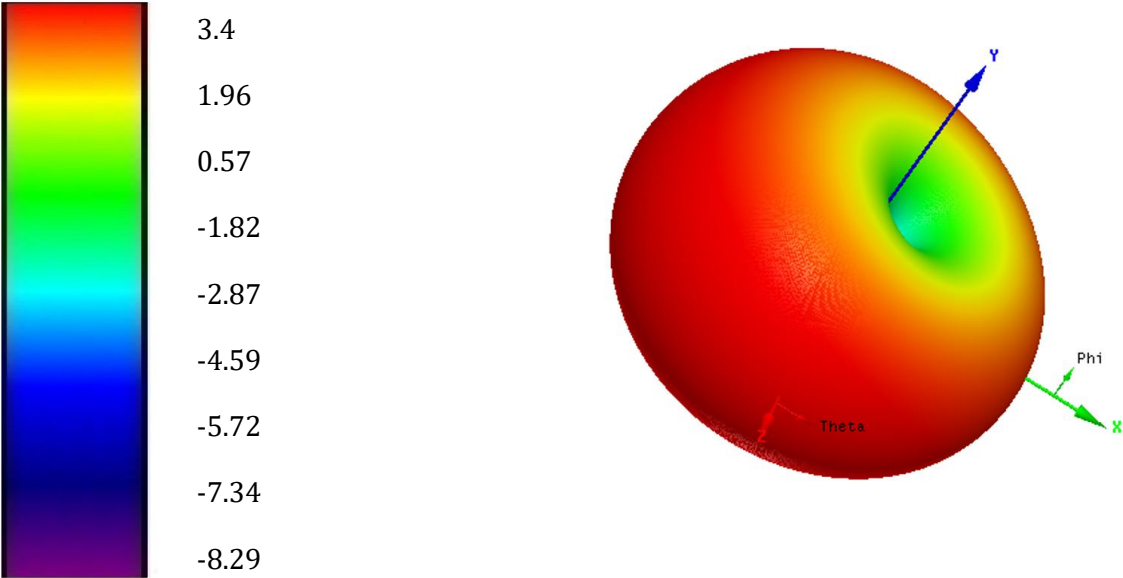
Test Results

Gain and Efficiency

Test Item	Test State	Frequenc y (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	2.8	
		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	2.8	
		2457	70.71	2.72	
		2462	71.31	2.94	
		2467	71.32	3.12	
		2472	72.03	3.28	
		2477	72.71	3.24	
		2482	75.42	3.4	
		2490	75.32	3.37	
		2500	76.78	3.28	
Note: comment variation is +/- 0.02dBi					

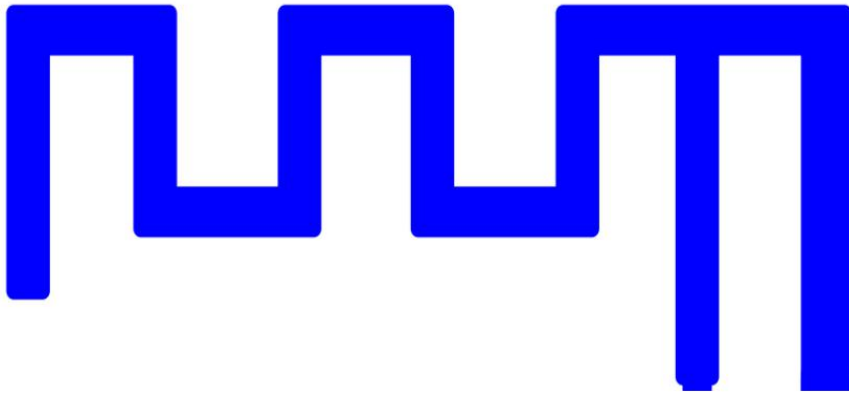
Test Item	Test State	Frequenc y (MHz)	Efficiency (%)	Gain (dBi)	Note
Gain	Free Space	2400	71.35	2.76	Horizontal 30°
		2412	70.02	2.26	
		2417	73.69	2.15	
		2422	73.85	2.37	
		2427	73.39	2.5	
		2432	72.14	2.22	
		2437	69.56	2.27	
		2442	67.74	1.98	
		2447	65.18	1.89	
		2452	63.13	1.79	
		2457	61.19	1.55	
		2462	59.98	1.25	
		2467	60.26	1.36	
		2472	59.84	1.29	
		2477	59.74	1.05	
		2482	60.12	1.22	
		2490	60.32	1.27	
		2500	59.78	1.18	
Note: comment variation is +/- 0.02dBi					

3-D Pattern Plots



Frequency (MHz)	Max Gain (dBi)
2482	3.4

Antenna Size



Size: 18mm * 6.19mm * 0.8mm

EUT Appearance

