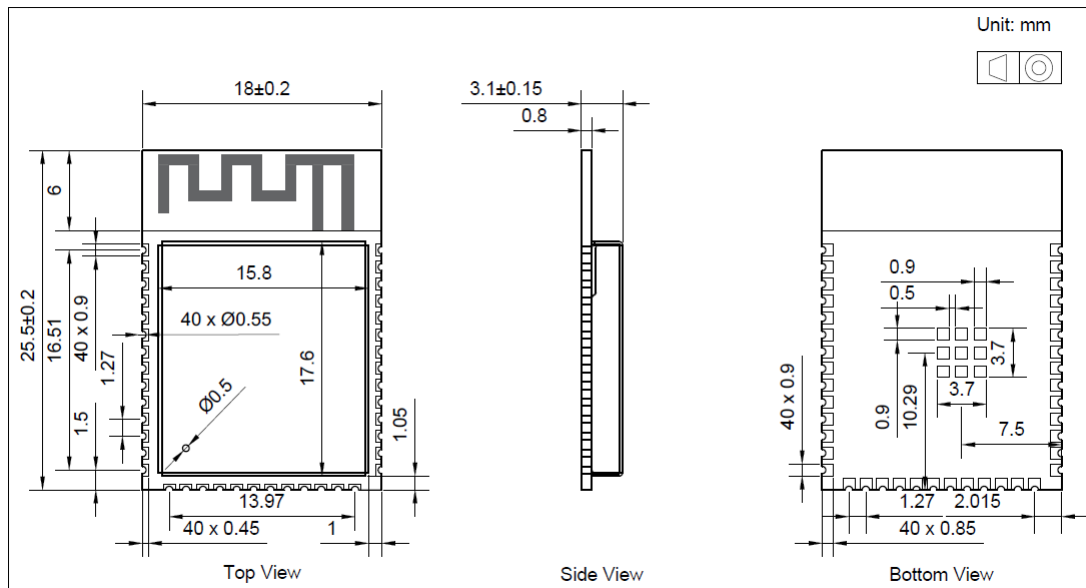


2.4G Antenna Test Report

SPECIFICATIONS

Frequency (MHz)	2402-2502
Peak Gain (dBi)	3.37
VSWR	<3.2
Impedance (Ω)	50 Ω
Antenna Type	PCB
Polarization	Linear
Manufacturer	Espressif System (Shanghai) Co.,Ltd

Size

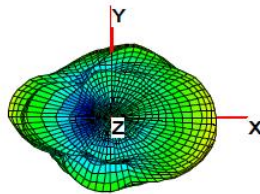


Gain And Efficiency

Model	Test State	Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Directivity (dBi)	Note
ESP-ANT B	Free Space	2402	-1.98	63.44	2.73	4.70	15°
		2407	-1.76	66.66	2.73	4.50	
		2412	-1.70	67.68	3.16	4.85	
		2417	-1.60	69.11	2.92	4.53	
		2422	-1.61	68.95	2.79	4.41	
		2427	-1.77	66.48	2.29	4.06	
		2432	-1.83	65.54	2.54	4.37	
		2437	-1.73	67.21	2.46	4.19	
		2442	-1.77	66.46	2.56	4.34	
		2447	-1.79	66.25	2.69	4.48	
		2452	-1.75	66.81	2.95	4.70	
		2457	-1.76	66.73	2.96	4.71	
		2462	-1.68	67.91	2.99	4.67	
		2467	-1.95	63.90	3.17	5.11	
		2472	-2.07	62.14	3.08	5.14	
		2477	-1.87	65.00	3.18	5.05	
		2482	-1.94	63.96	3.26	5.20	
		2487	-1.98	63.35	3.37	5.35	
		2492	-1.82	65.80	3.35	5.17	
		2497	-1.72	67.34	3.17	4.88	
		2502	-1.75	66.79	3.18	4.94	

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Azimuth = 89.6
Elevation = 2.2
Roll = -91.9

