



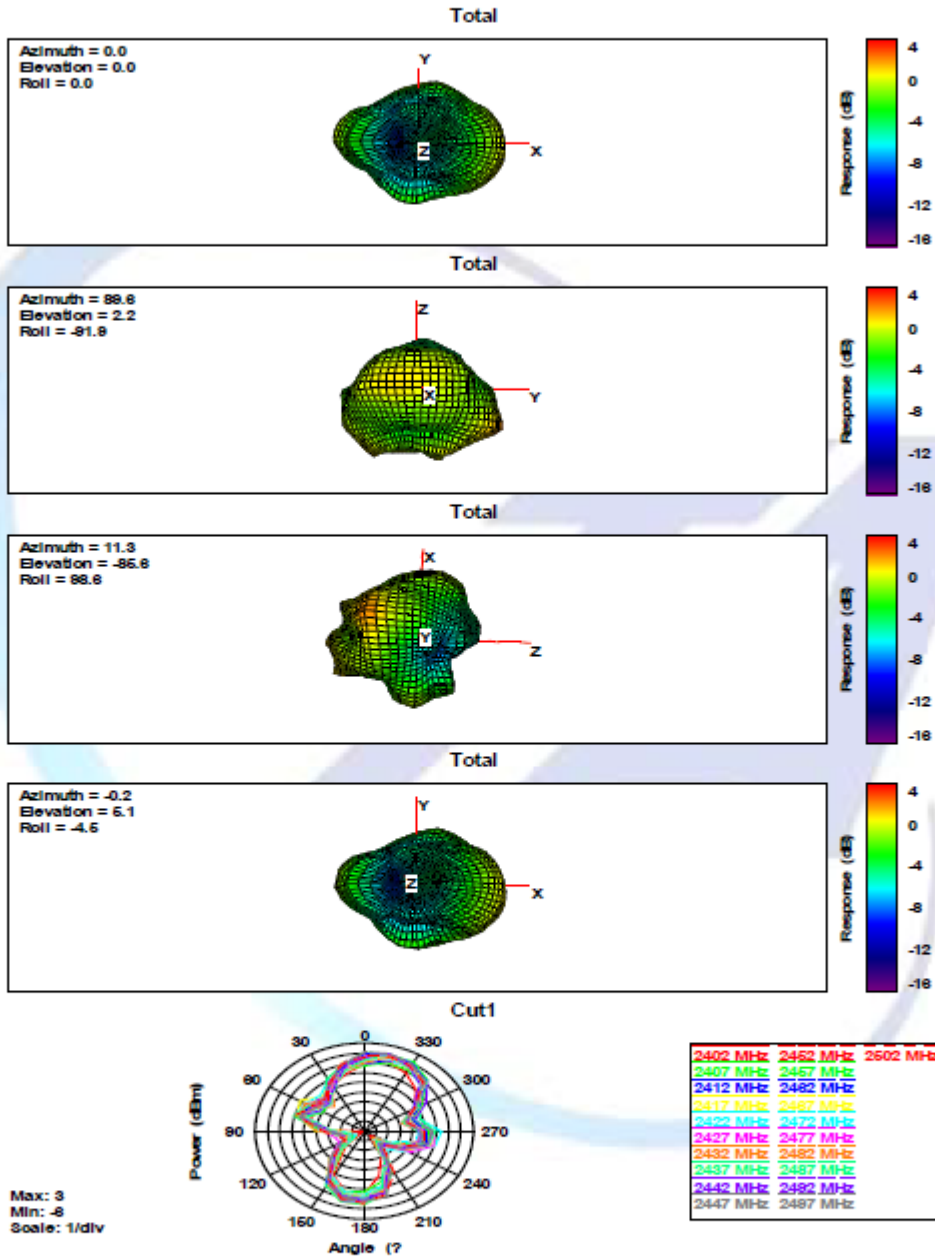
4. Test Results

4.1. 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	



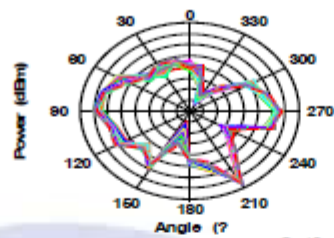
ANNEX A 3-D Pattern Plots





Cut2

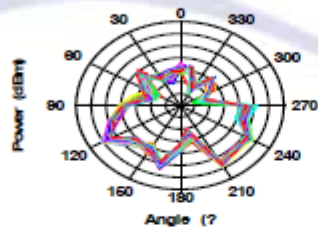
Max: 4
Min: -12
Scale: 2/div



2402 MHz	2452 MHz	2502 MHz
2407 MHz	2457 MHz	
2412 MHz	2462 MHz	
2417 MHz	2467 MHz	
2422 MHz	2472 MHz	
2427 MHz	2477 MHz	
2432 MHz	2482 MHz	
2437 MHz	2487 MHz	
2442 MHz	2492 MHz	
2447 MHz	2497 MHz	

Cut3

Max: 4
Min: -10
Scale: 2/div



2402 MHz	2452 MHz	2502 MHz
2407 MHz	2457 MHz	
2412 MHz	2462 MHz	
2417 MHz	2467 MHz	
2422 MHz	2472 MHz	
2427 MHz	2477 MHz	
2432 MHz	2482 MHz	
2437 MHz	2487 MHz	
2442 MHz	2492 MHz	
2447 MHz	2497 MHz	

2402MHz ~2502 MHz Wi-Fi 2.4G 3D Gain