



SOLUM

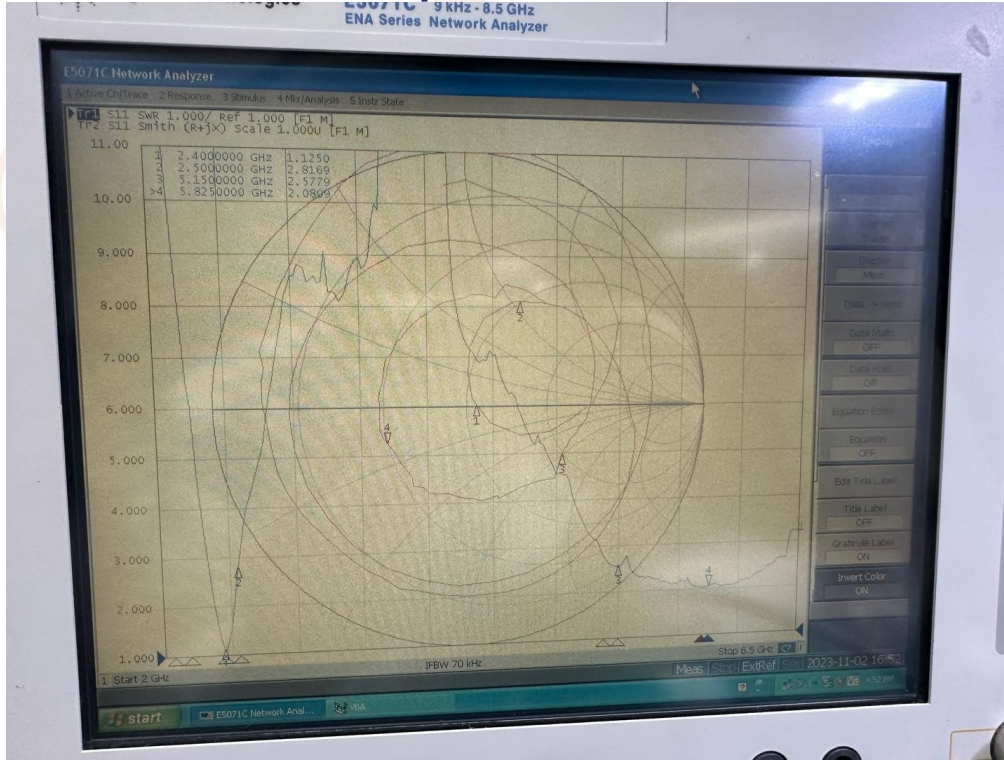
NewtonEye project

2nd Passive

2023/06/28

3rd Passive report _ SET Ass'y

✓ WiFi Dual band chip “W3006”

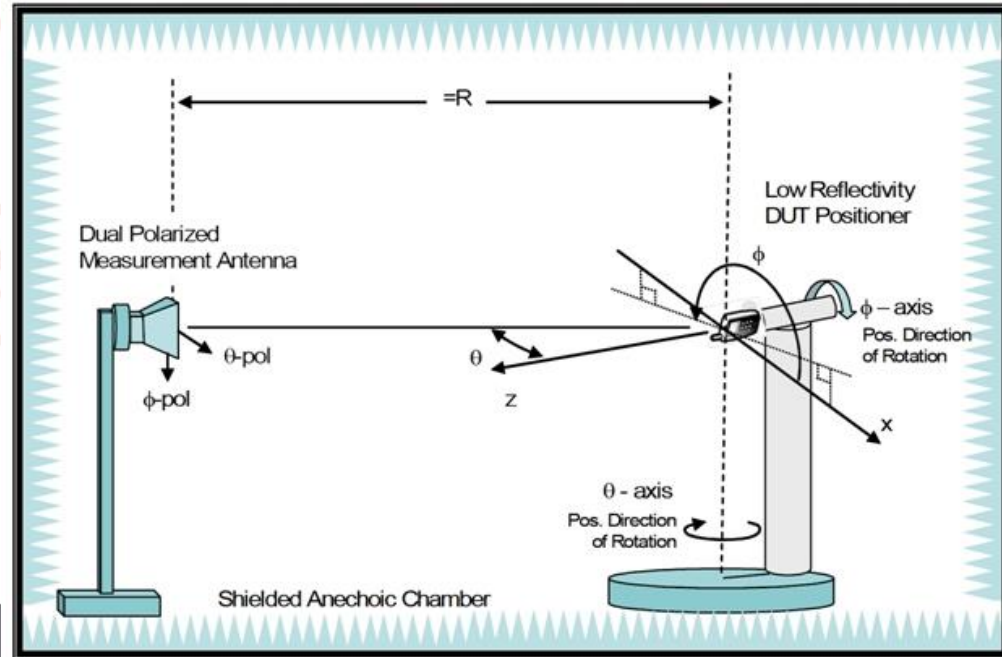


Network Analyzer Test Set : E5071C



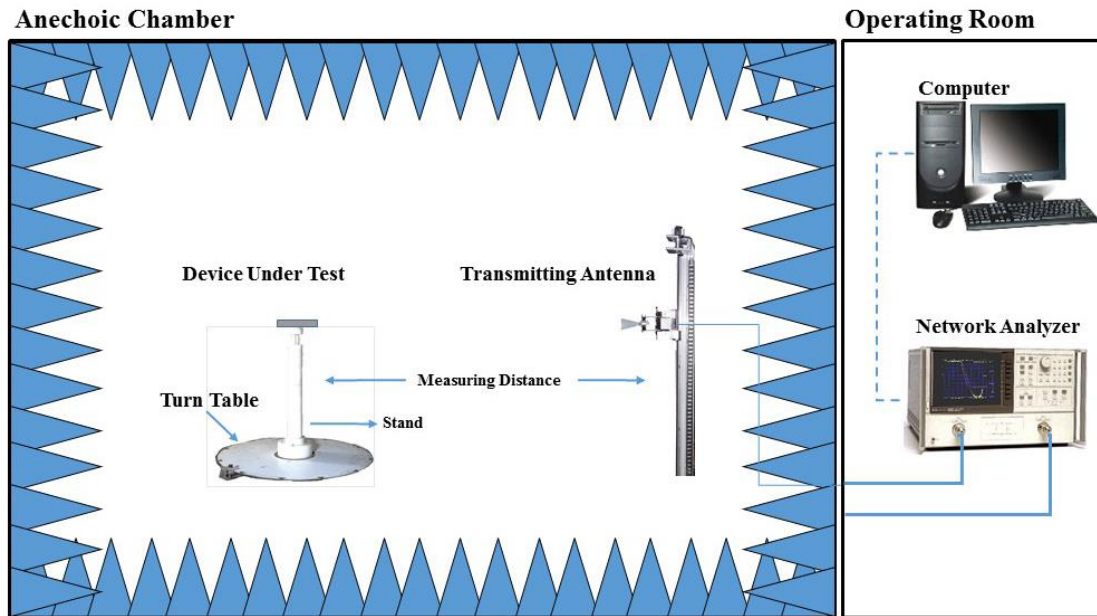
2st Passive report _ SET Ass'y

✓ Antenna Characteristics Test Setup



2st Passive report _ SET Ass'y

✓ Antenna Characteristics Test Setup

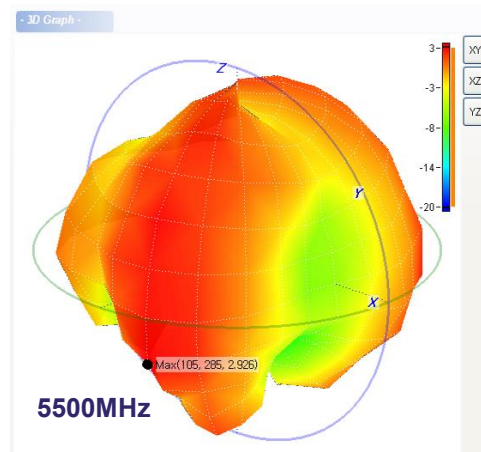
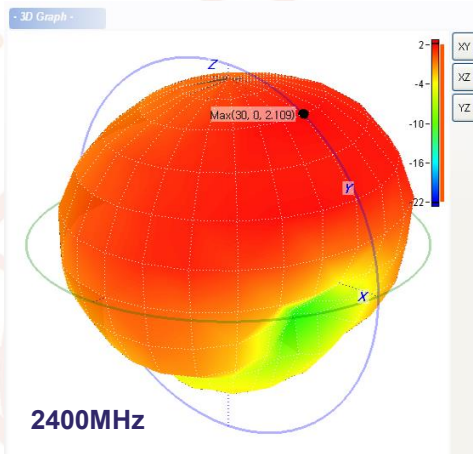


It is possible to perform test measurements of the antenna performance characteristics according to the standard IEEE std 149 in an anechoic chamber.

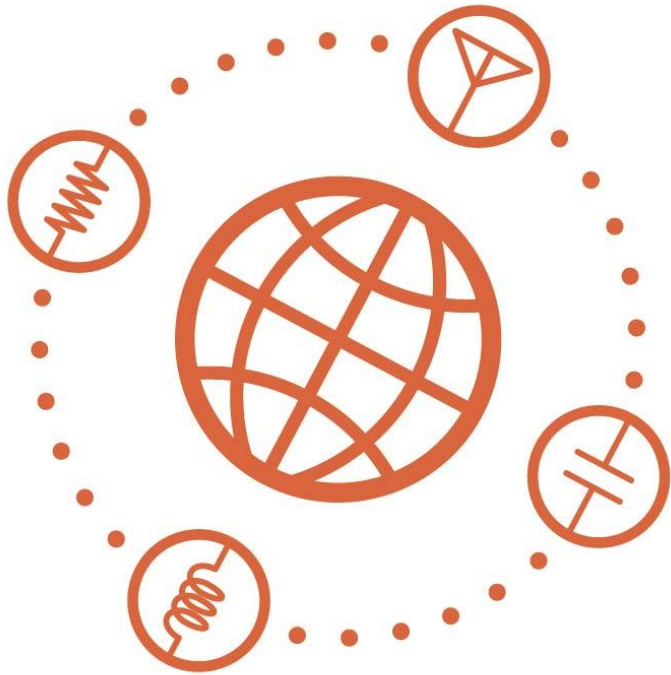
Theta axis (turntable or azimuth control) with the Phi axis “roll positioner” (or elevation control) on top of it.

2st Passive report _ SET Ass'y

✓ WiFi Dual band chip “W3006” _ Passive Efficiency



No	Frequency	Peak Value		Minimum Value		Avg. Gain	Efficiency
	[MHz]	Value[dBi]	Degree	Value[dBi]	Degree	[dBi]	[%]
1	2400.000	2.278505	30 / 0	-21.947147	165 / 180	-1.569437	69.671681
2	2450.000	2.108544	30 / 0	-22.364741	165 / 180	-1.374215	72.874982
3	2485.000	1.491303	60 / 345	-19.292159	165 / 195	-2.130890	61.222485
4	5150.000	4.238556	75 / 285	-17.188714	180 / 0	-0.738612	84.360436
5	5500.000	2.926251	105 / 285	-19.791756	150 / 135	-1.590542	69.333935
6	5875.000	2.282137	0 / 60	-18.007334	165 / 180	-1.265686	74.719063



Thank you!