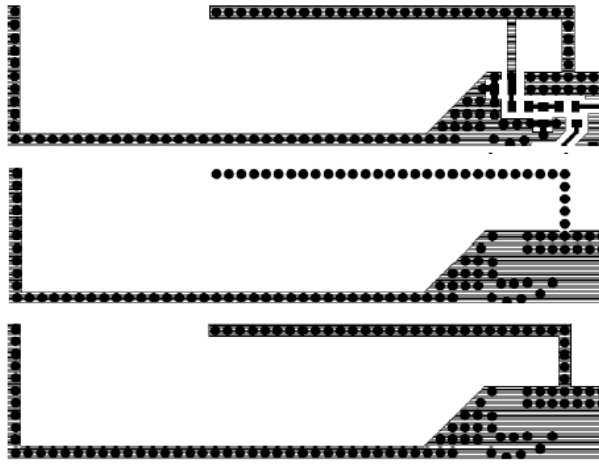


1. Antenna Structure

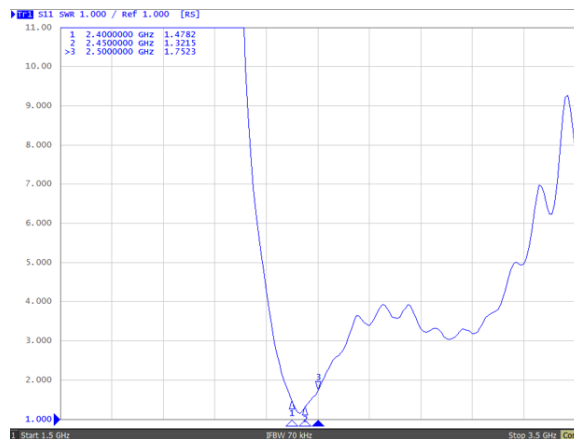


Top layer:
antenna leg and
feeding trace

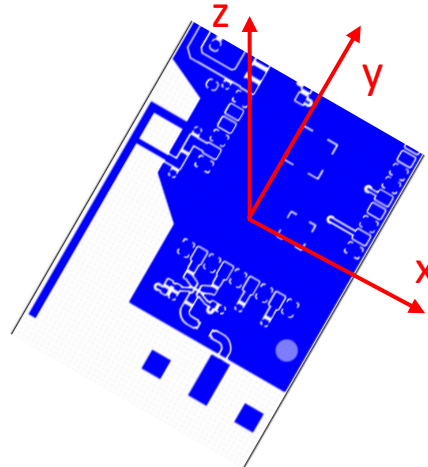
Inner layers:
vias only

Bottom layer:
antenna leg

2. VSWR



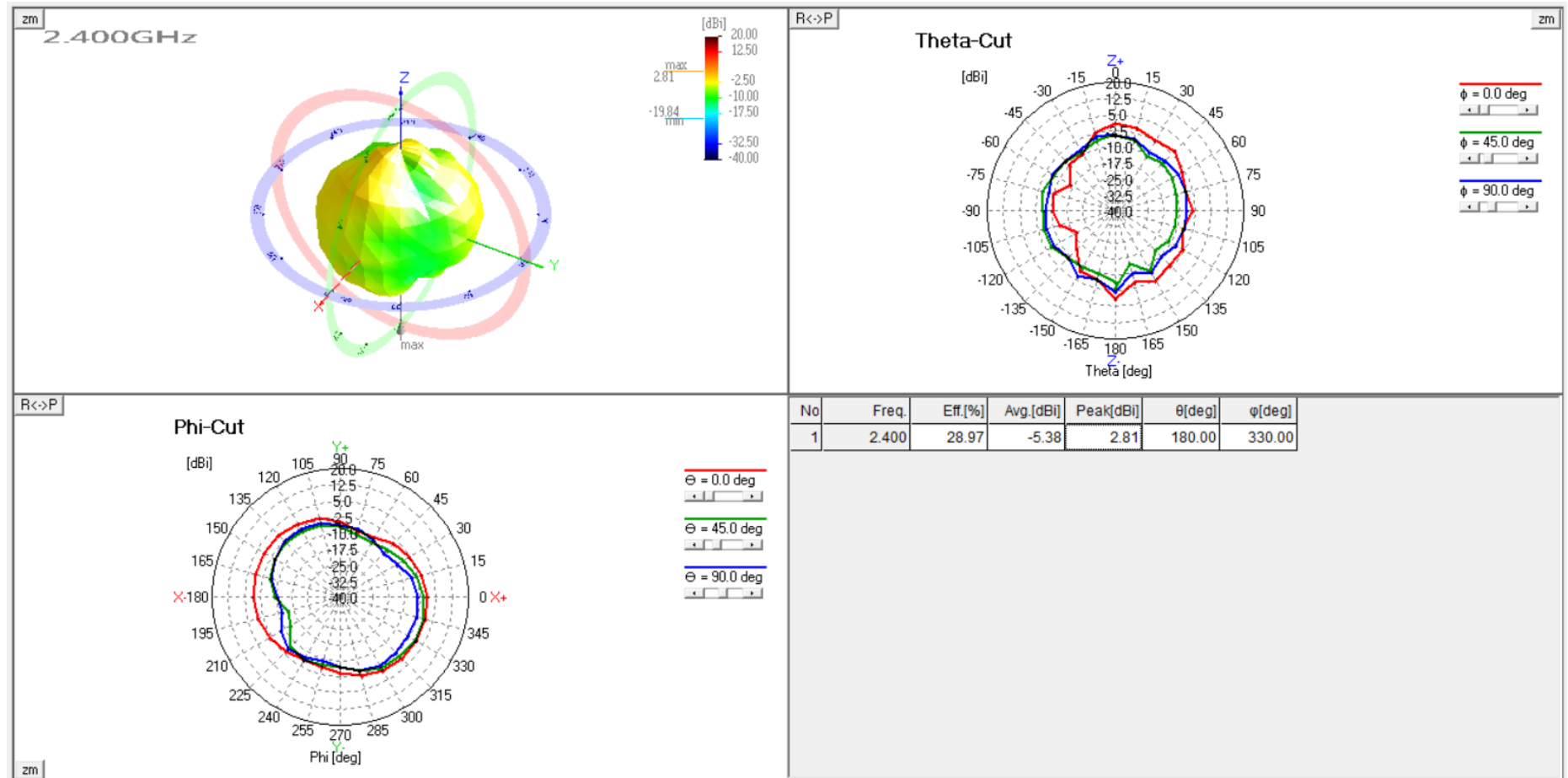
3. Antenna Axis Direction



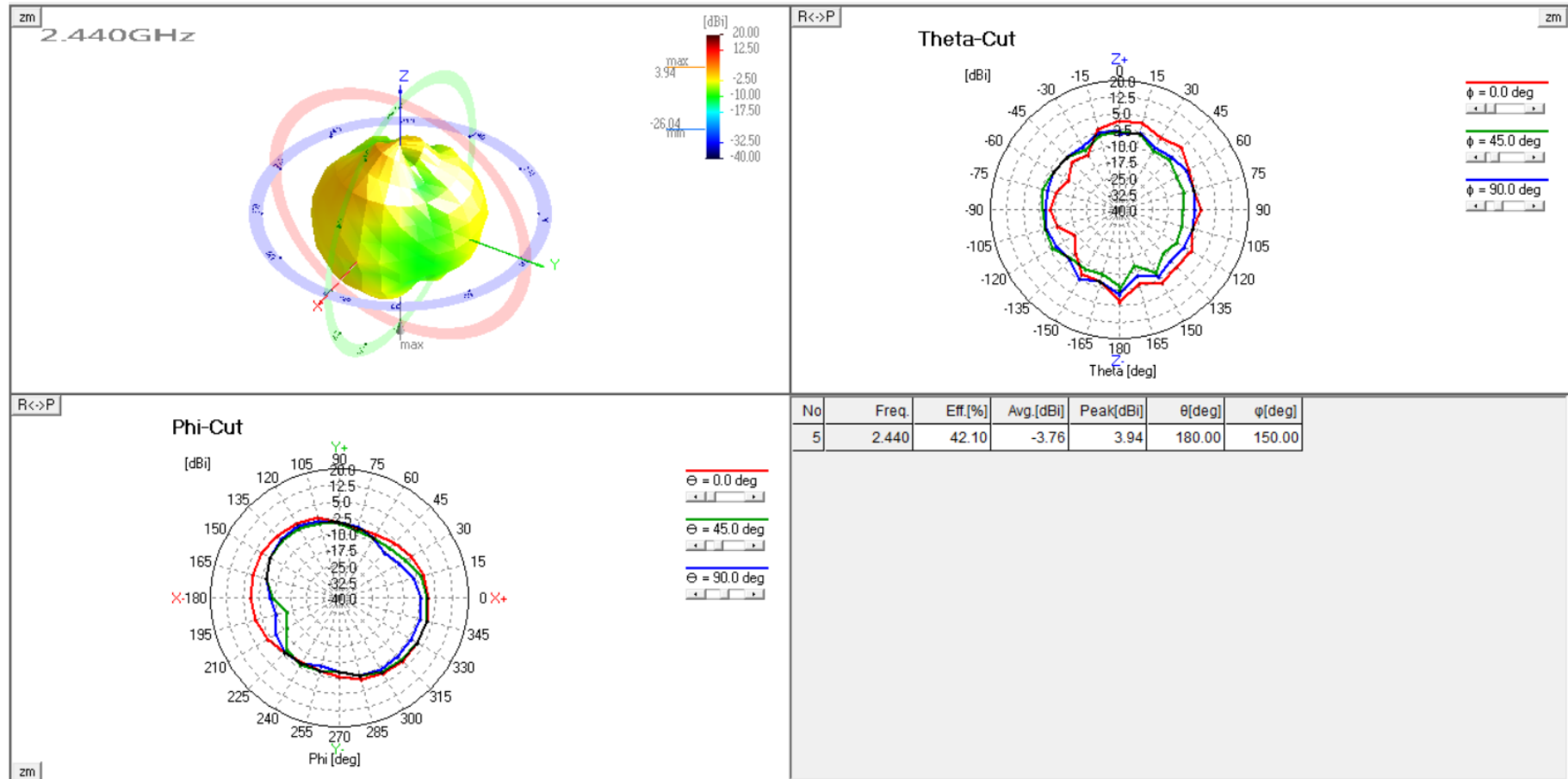
4. 3D Result Summary

No.	Freq.[GHz]	θ-Pol(H)					φ-Pol(V)				
		Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]
1	2.4	13.98	-8.54	3.46	180	240	28.97	-5.38	2.81	180	330
2	2.41	16.71	-7.77	4.23	180	240	34.67	-4.6	3.49	180	315
3	2.42	16.81	-7.75	4.25	180	240	35.27	-4.53	3.31	180	345
4	2.43	18.34	-7.37	4.63	180	240	39.17	-4.07	3.7	180	315
5	2.44	19.78	-7.04	4.98	180	240	42.1	-3.76	3.94	180	150
6	2.45	18.84	-7.25	4.89	180	240	41.15	-3.86	3.82	180	315
7	2.46	17.05	-7.68	4.6	180	240	38.61	-4.13	3.51	180	315
8	2.47	18.29	-7.38	4.9	180	240	41.99	-3.77	3.92	180	330
9	2.48	17.77	-7.5	4.73	180	240	40.47	-3.93	3.72	180	330
10	2.49	19.22	-7.16	4.98	180	240	43.7	-3.6	4.08	180	315
11	2.5	18.86	-7.24	4.84	180	240	42.31	-3.74	3.95	180	315

5-1. Radiation Pattern



5-2. Radiation Pattern



5-3. Radiation Pattern

