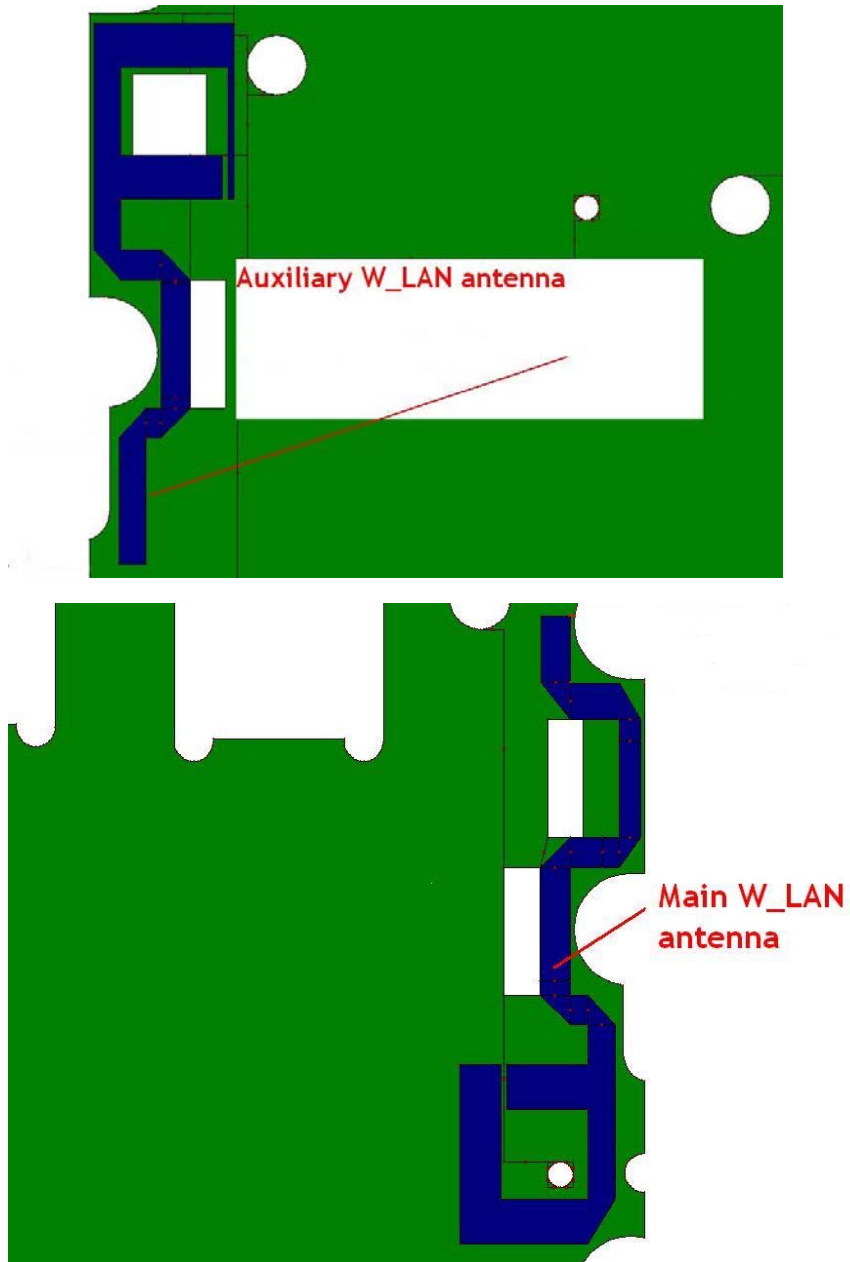
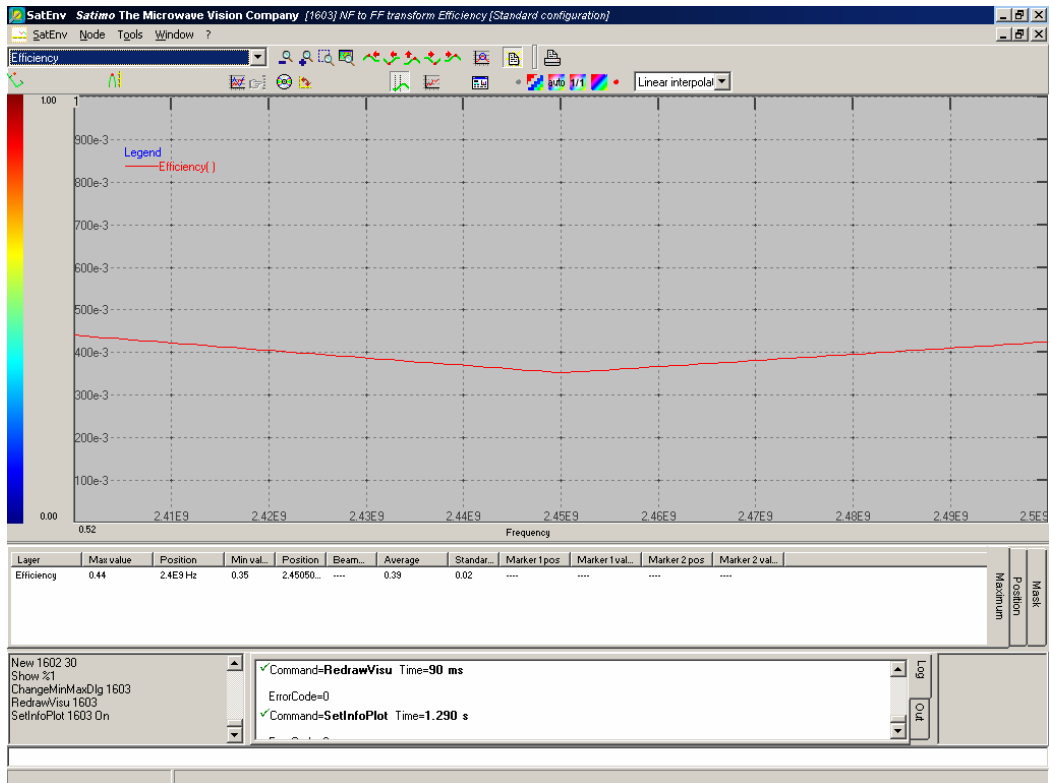
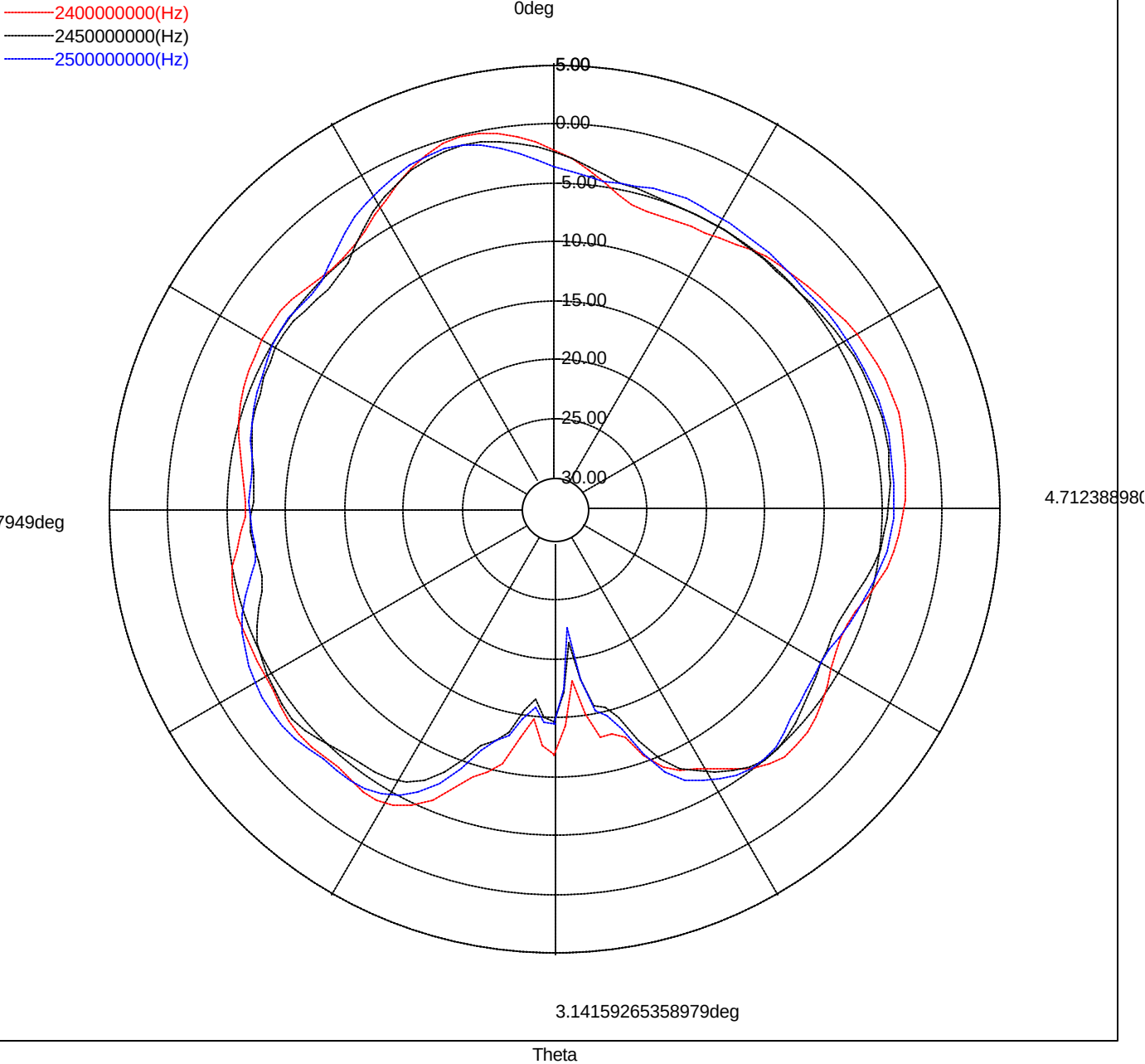


WLAN Antenna



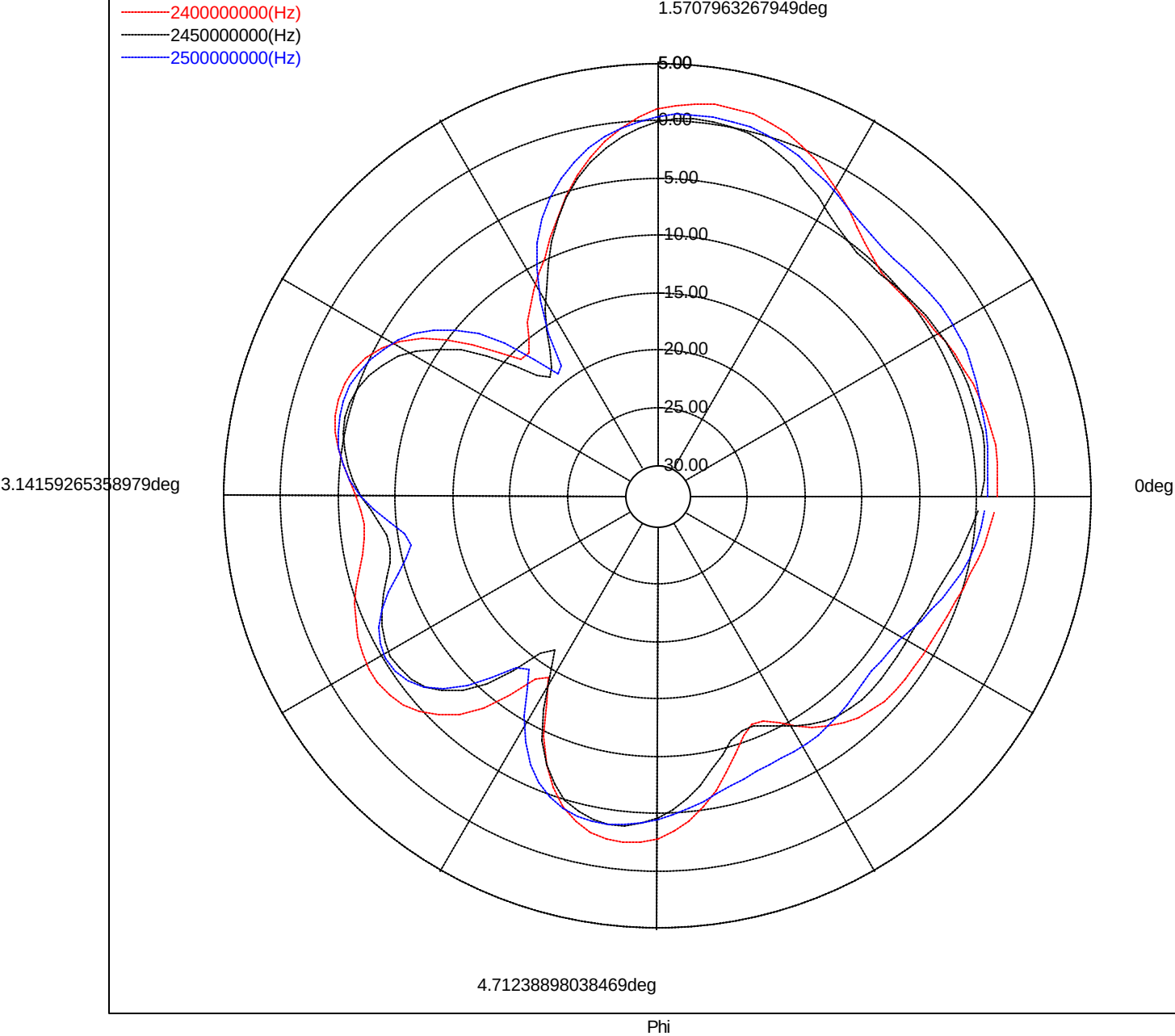


Measured gain (in XOZplane) of Ricola WLAN auxiliary antenna without laptop



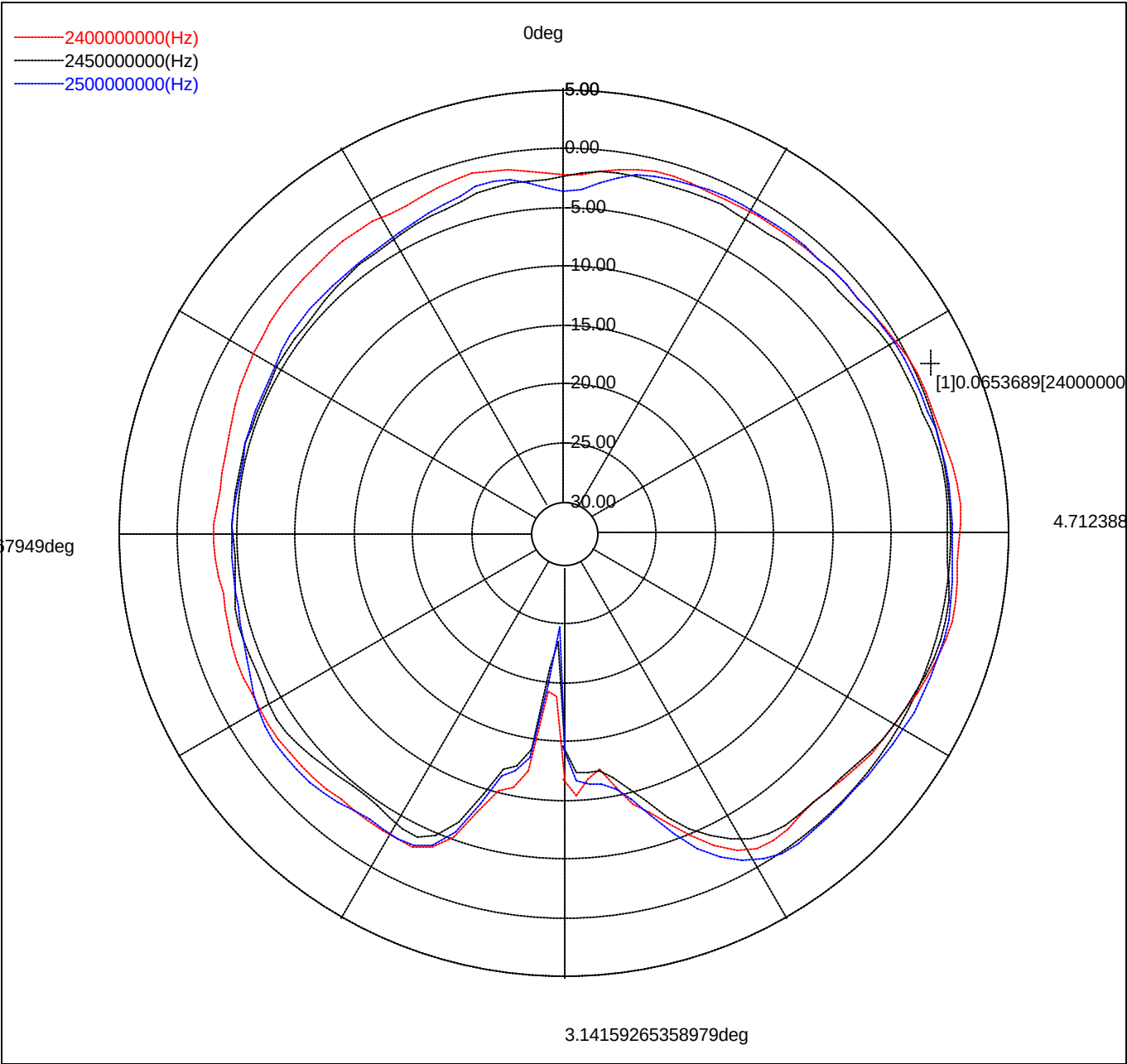
Layer	Max value	Position	Min value	Position	BeamWidth	Average	Standard devia	Marker 1 pds
2400000000(Hz)	-0.24	0.25 deg	-18.24	-3.04 deg	0.58 deg	-4.57	5.38	----
2450000000(Hz)	-0.98	0.25 deg	-21.40	-3.04 deg	0.72 deg	-5.36	6.19	----
2500000000(Hz)	-0.86	0.30 deg	-22.77	-3.04 deg	0.70 deg	-4.92	5.74	----

Measured gain (in XOY plane) of Ricola WLAN auxiliary antenna without laptop

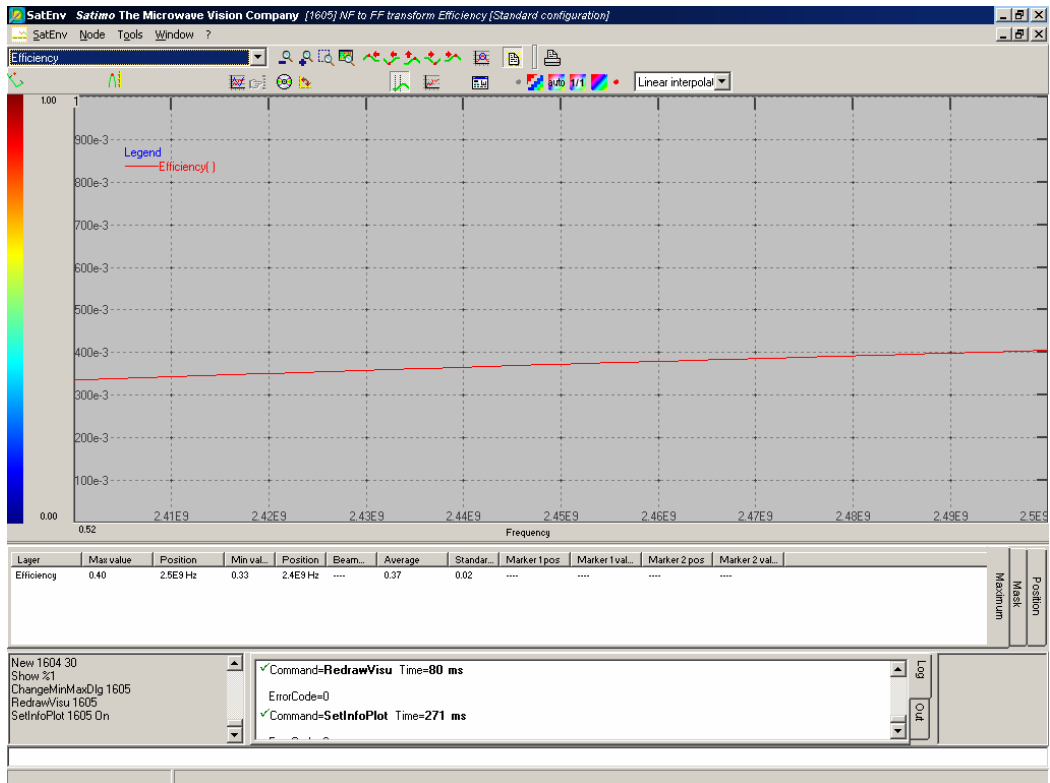


Layer	Max value	Position	Min value	Position	BeamWidth	Average	Standard devia	Marker 1 pds
2400000000 (Hz)	1.65	1.42 deg	-16.09	2.31 deg	0.63 deg	-4.20	4.88	----
2450000000 (Hz)	0.15	1.47 deg	-18.87	2.31 deg	0.64 deg	-5.49	6.24	----
2500000000 (Hz)	0.55	1.42 deg	-19.11	2.26 deg	0.78 deg	-4.68	5.41	----

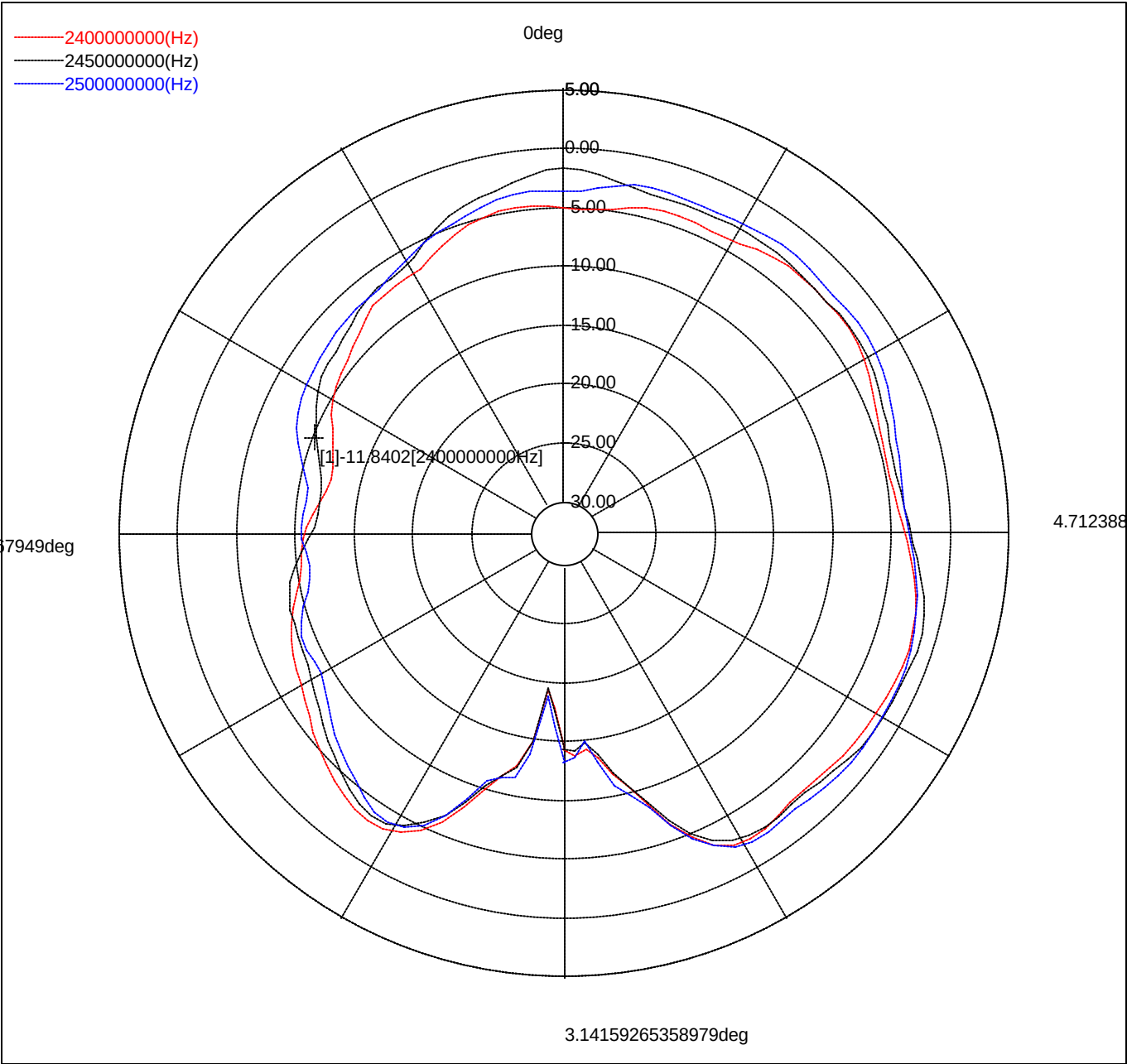
Measured gain (in YOZplane) of Ricola WLAN auxiliary antenna without laptop



Layer	Max value	Position	Min value	Position	BeamWidth	Average	Standard devia	Marker 1 po
2400000000(Hz)	1.00	-1.50 deg	-19.30	3.04 deg	2.53 deg	-1.93	2.59	-1.14 deg
2450000000(Hz)	0.47	-1.80 deg	-23.57	3.09 deg	2.60 deg	-2.89	3.61	-1.14 deg
2500000000(Hz)	0.70	-1.85 deg	-24.90	3.09 deg	2.55 deg	-2.24	2.89	-1.14 deg

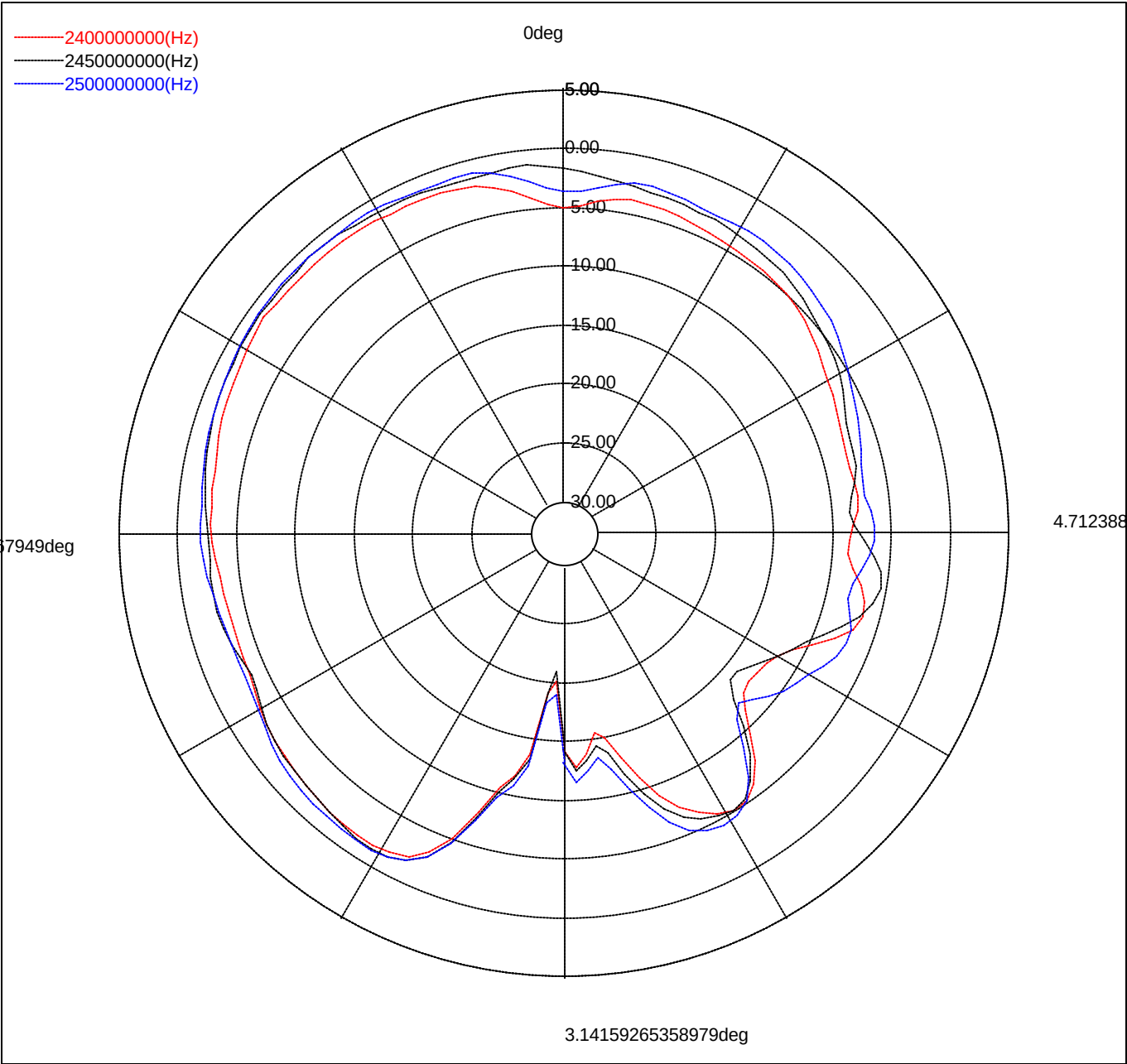


Measured gain (in XOZ plane) of Ricola WLAN main antenna without laptop



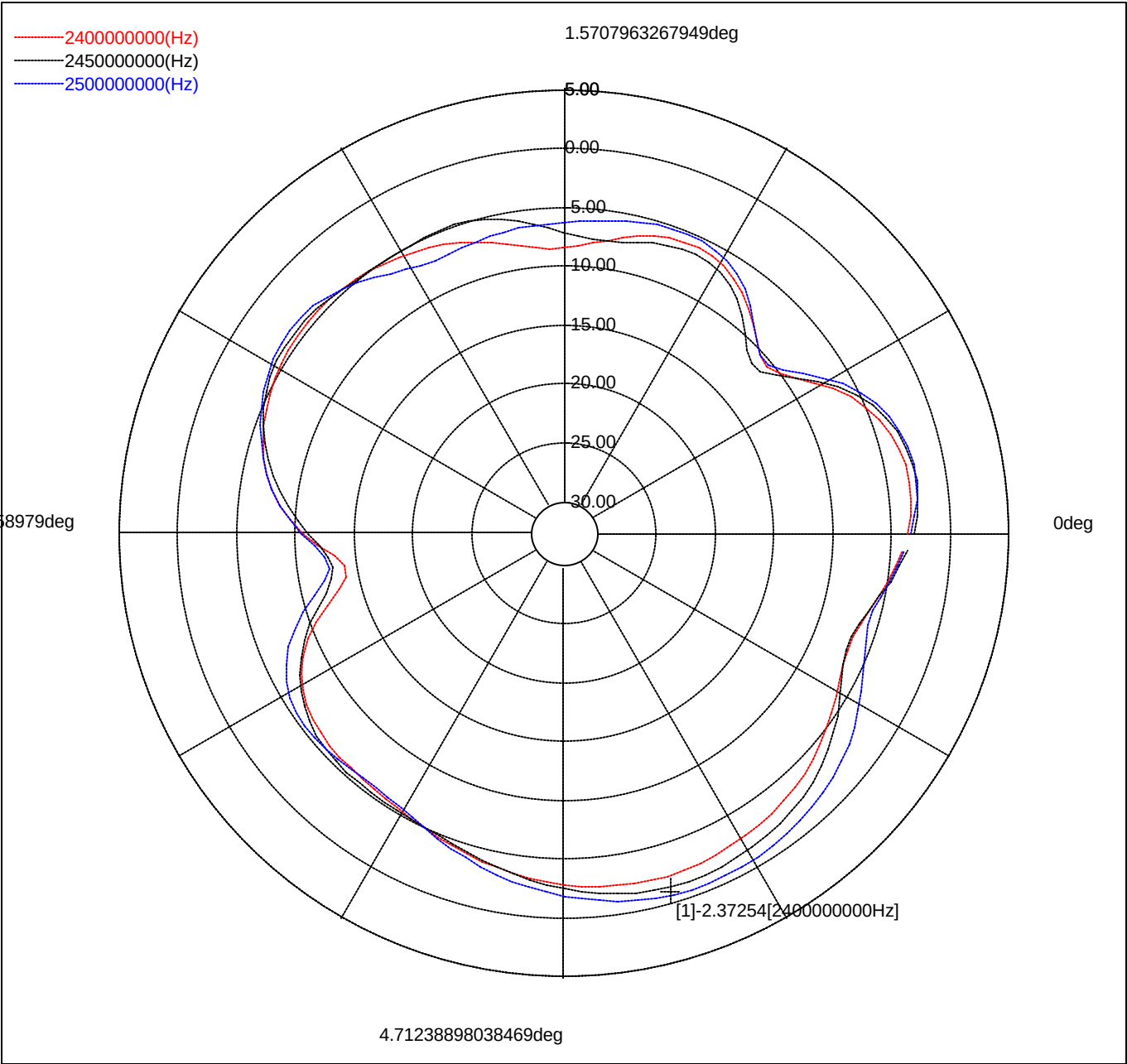
Layer	Max value	Position	Min value	Position	BeamWidth	Average	Standard devia	Marker 1 po
2400000000(Hz)	-1.87	-1.89 deg	-19.47	3.04 deg	2.58 deg	-5.23	6.03	1.21 deg
2450000000(Hz)	-1.18	-1.89 deg	-19.58	3.04 deg	3.06 deg	-4.63	5.41	1.21 deg
2500000000(Hz)	-1.57	-1.99 deg	-18.84	3.04 deg	3.04 deg	-4.57	5.35	1.21 deg

Measured gain (in YOZ plane) of Ricola WLAN main antenna without laptop



Layer	Max value	Position	Min value	Position	BeamWidth	Average	Standard devia	Marker 1	pd
2400000000(Hz)	-1.44	0.95 deg	-20.22	3.09 deg	2.69 deg	-4.48	5.26	----	
2450000000(Hz)	-0.91	0.70 deg	-21.02	3.09 deg	3.47 deg	-3.79	4.54	----	
2500000000(Hz)	-0.87	0.60 deg	-19.02	3.09 deg	3.68 deg	-3.54	4.29	----	

Measured gain (in XOY plane) of Ricola WLAN main antenna without laptop



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Layer	Max value	Position	Min value	Position	BeamWidth	Average	Standard devia	Marker 1 pds
2400000000 (Hz)	-2.37	5.01 deg	-14.02	3.29 deg	1.47 deg	-5.43	6.28	5.01 deg
2450000000 (Hz)	-1.40	5.06 deg	-12.95	3.29 deg	1.22 deg	-4.97	5.79	5.01 deg
2500000000 (Hz)	-0.62	5.11 deg	-12.67	3.29 deg	1.28 deg	-4.48	5.27	5.01 deg