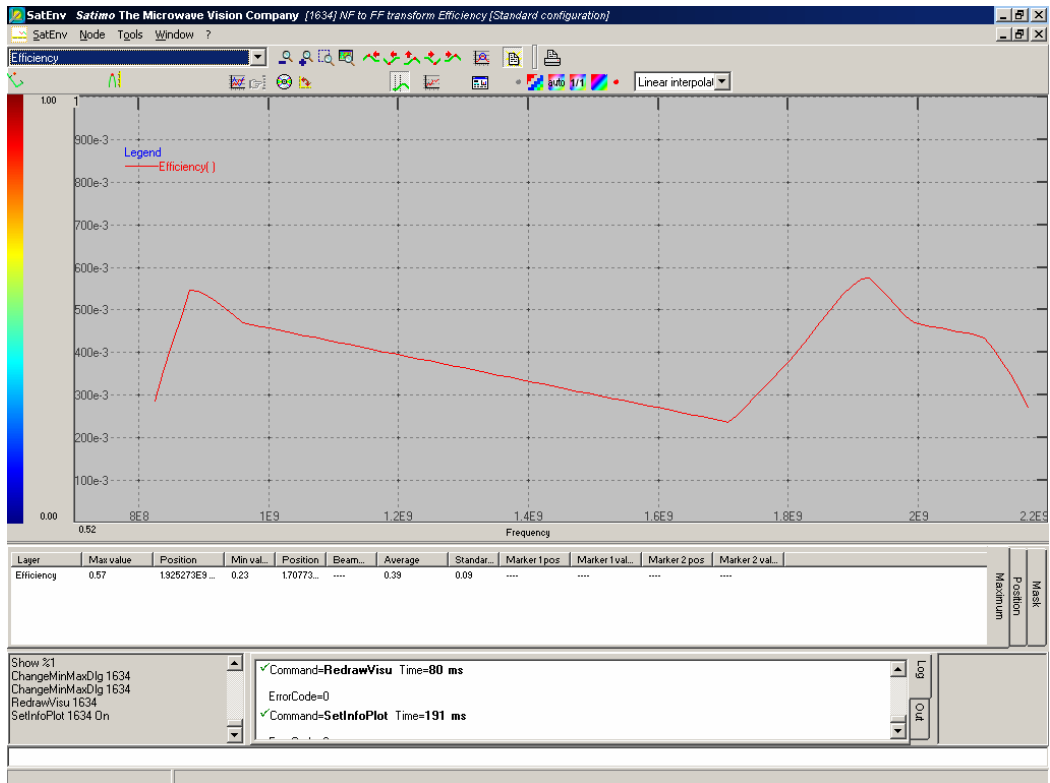
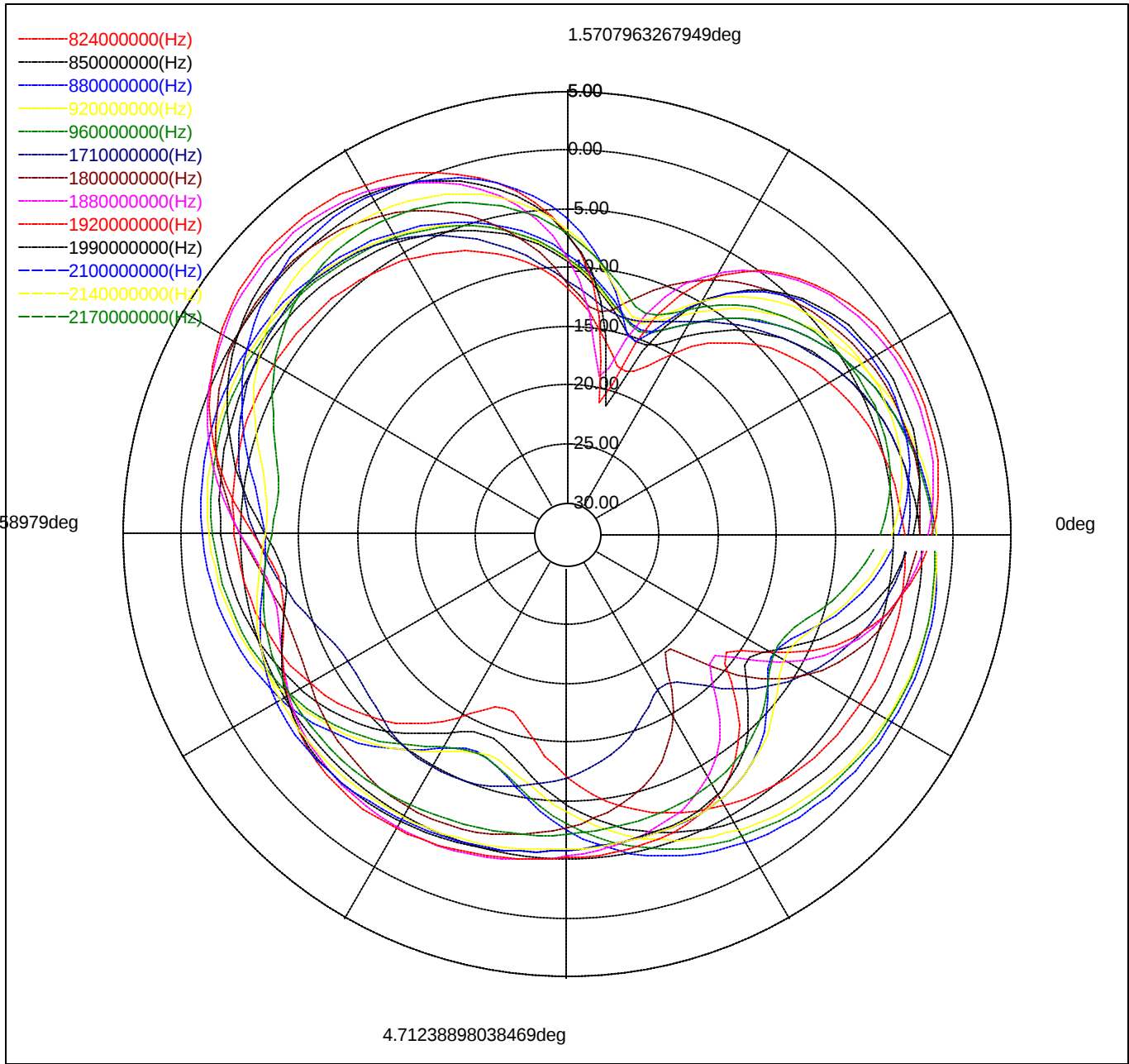


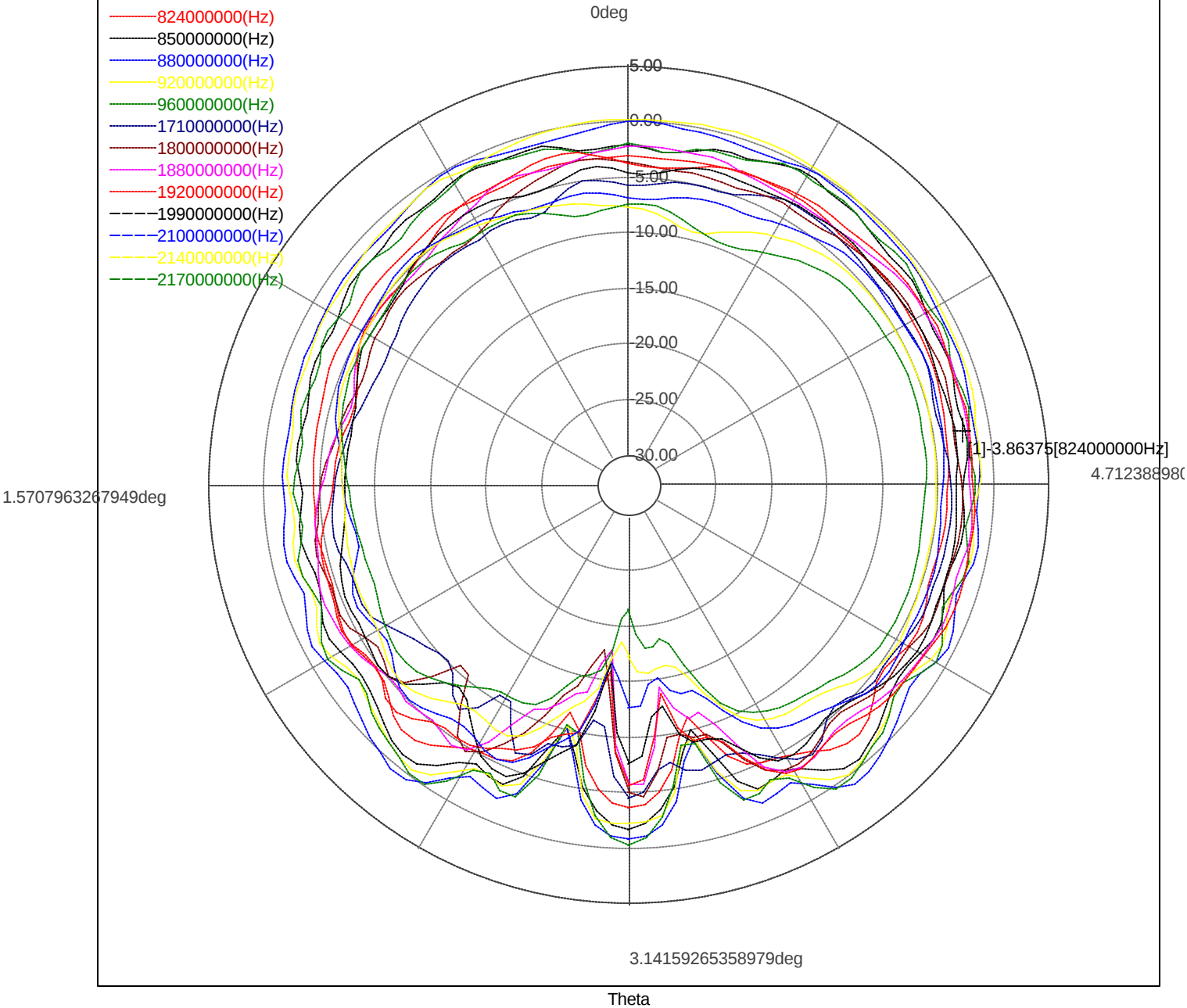


Measured gain (in XOY plane) of Magnum+A3+Matching(2.7pS+8.2nP+2.7pS) without laptop
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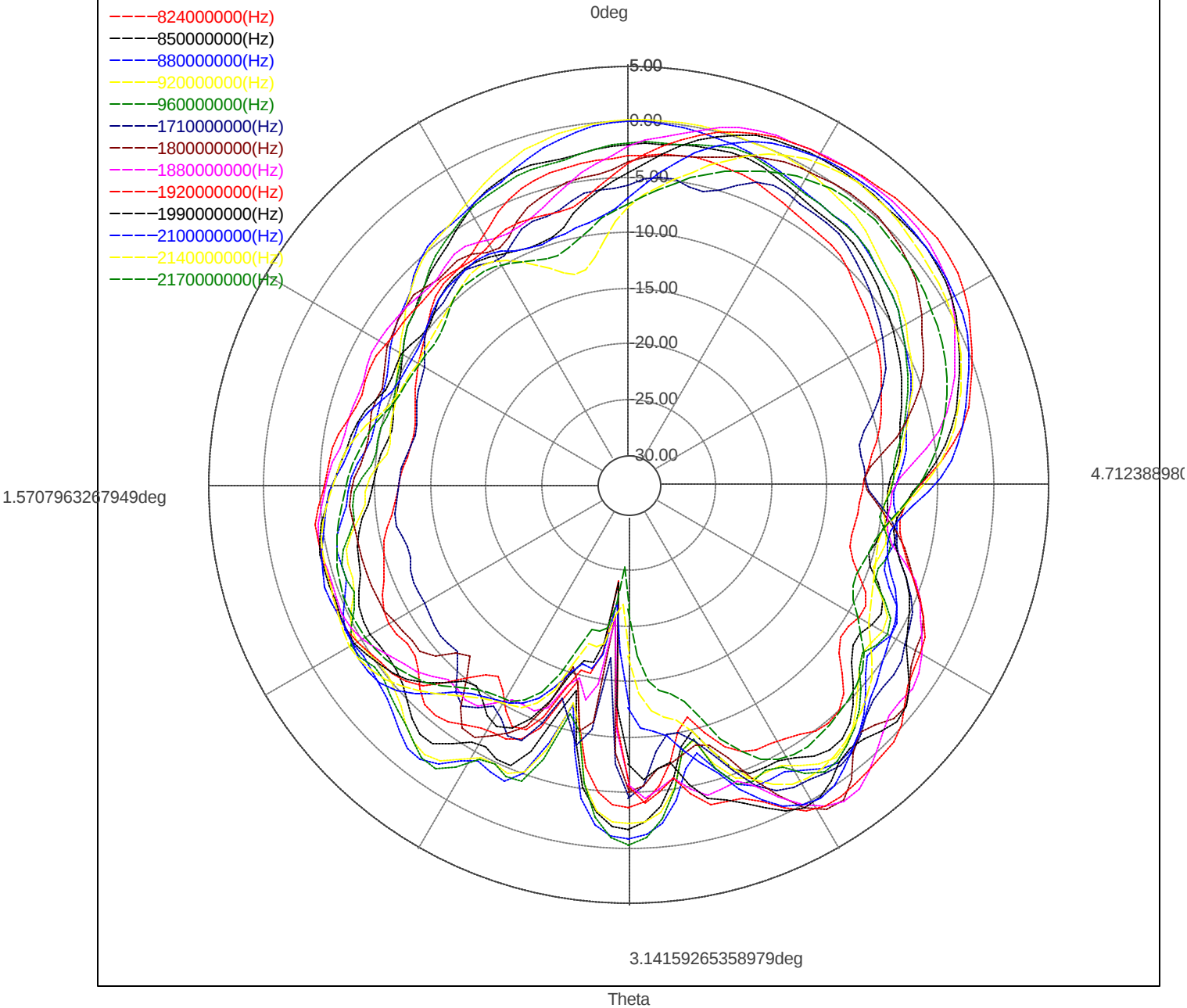
Layer	Max value	Position	Min value	Position	BeamWidth	Average	Standard devia	Marker 1
824000000 (Hz)	-3.73	5.99 deg	-18.15	1.23 deg	----	-6.60	7.44	----
850000000 (Hz)	-2.37	5.94 deg	-15.45	1.18 deg	----	-5.19	5.99	----
880000000 (Hz)	-0.78	5.89 deg	-14.31	1.23 deg	----	-3.72	4.45	----
920000000 (Hz)	-1.11	6.04 deg	-13.88	1.28 deg	----	-4.10	4.86	----
960000000 (Hz)	-1.11	5.94 deg	-14.46	1.23 deg	----	-4.21	4.97	----
1710000000 (Hz)	-2.16	2.45 deg	-17.55	5.25 deg	1.06 deg	-6.92	7.71	----
1800000000 (Hz)	0.20	2.45 deg	-19.72	5.40 deg	0.99 deg	-4.78	5.49	----
1880000000 (Hz)	1.80	2.36 deg	-19.04	1.37 deg	0.97 deg	-3.26	3.85	----
1920000000 (Hz)	2.30	2.36 deg	-21.27	1.33 deg	0.94 deg	-2.93	3.47	----
1990000000 (Hz)	1.14	2.31 deg	-21.48	1.28 deg	0.94 deg	-4.02	4.68	----
2100000000 (Hz)	0.68	2.21 deg	-15.37	1.23 deg	0.94 deg	-4.26	4.97	----
2140000000 (Hz)	-0.77	2.26 deg	-13.50	1.23 deg	0.97 deg	-5.02	5.82	----
2170000000 (Hz)	-1.72	2.21 deg	-12.81	1.23 deg	0.93 deg	-6.05	6.88	----

Measured gain (in XOZ plane) of Magnum2.1+A3+matching(2.7p(s)+8.2n(p)+2.7p(s)) without laptop



Layer	Max value	Position	Min value	Position	BeamWidth	Average	Standard devia	Marker 1 pds
824000000(Hz)	-2.29	-2.39 deg	-11.65	2.89 deg	5.35 deg	-4.03	4.90	-1.41 deg
850000000(Hz)	-0.60	-0.50 deg	-10.21	2.89 deg	5.36 deg	-2.41	3.22	-1.41 deg
880000000(Hz)	0.91	-2.49 deg	-10.25	2.89 deg	5.24 deg	-1.18	1.87	-1.41 deg
920000000(Hz)	0.39	-0.35 deg	-10.59	2.89 deg	4.26 deg	-1.42	2.12	-1.41 deg
960000000(Hz)	0.29	-2.49 deg	-10.47	2.89 deg	2.52 deg	-2.01	2.79	-1.41 deg
1710000000(Hz)	-3.41	-2.54 deg	-11.45	2.99 deg	2.98 deg	-5.66	6.54	-1.41 deg
1800000000(Hz)	-2.71	-1.70 deg	-17.85	2.99 deg	3.20 deg	-4.77	5.62	-1.41 deg
1880000000(Hz)	-1.63	-1.70 deg	-17.96	3.04 deg	3.27 deg	-3.95	4.76	-1.41 deg
1920000000(Hz)	-1.39	-1.94 deg	-15.88	3.04 deg	3.36 deg	-3.80	4.61	-1.41 deg
1990000000(Hz)	-2.89	-2.04 deg	-16.60	3.04 deg	3.59 deg	-4.90	5.76	-1.41 deg
2100000000(Hz)	-3.89	-1.20 deg	-16.91	3.04 deg	2.46 deg	-5.90	6.78	-1.41 deg
2140000000(Hz)	-4.70	-2.09 deg	-18.71	3.09 deg	2.07 deg	-6.70	7.59	-1.41 deg
2170000000(Hz)	-5.42	0.80 deg	-21.61	-3.14 deg	2.58 deg	-7.61	8.50	-1.41 deg

Measured gain (in YOZ plane) of Magnum2.1+A3+matching(2.7p(s)+8.2n(p)+2.7p(s)) without laptop



Layer	Max value	Position	Min value	Position	BeamWidth	Average	Standard devia	Marker 1	pds
824000000(Hz)	-2.80	-0.20 deg	-14.53	2.89 deg	1.33 deg	-6.81	7.65	----	
850000000(Hz)	-1.51	-0.30 deg	-13.79	2.89 deg	1.48 deg	-5.13	5.93	----	
880000000(Hz)	-0.08	0.00 deg	-12.40	2.89 deg	1.23 deg	-3.90	4.66	----	
920000000(Hz)	0.15	-0.20 deg	-12.61	2.89 deg	1.36 deg	-3.95	4.67	----	
960000000(Hz)	-0.42	-3.14 deg	-11.49	2.89 deg	----	-4.44	5.22	----	
1710000000(Hz)	-1.21	-2.49 deg	-17.16	3.04 deg	0.68 deg	-6.67	7.47	----	
1800000000(Hz)	1.53	-2.54 deg	-21.05	3.04 deg	0.25 deg	-4.52	5.20	----	
1880000000(Hz)	1.98	-0.80 deg	-20.75	3.04 deg	1.05 deg	-2.99	3.51	----	
1920000000(Hz)	2.64	-0.90 deg	-24.14	3.04 deg	1.03 deg	-2.68	3.13	----	
1990000000(Hz)	1.37	-0.90 deg	-24.03	3.04 deg	1.09 deg	-3.50	4.08	----	
2100000000(Hz)	1.59	-0.70 deg	-22.14	3.04 deg	1.07 deg	-3.74	4.30	----	
2140000000(Hz)	1.30	-0.70 deg	-22.04	3.09 deg	0.96 deg	-4.59	5.20	----	
2170000000(Hz)	-0.31	-0.70 deg	-25.37	3.09 deg	1.02 deg	-5.94	6.66	----	