

Test Report

OTA Test Results for Frequency 868.000 MHz

OTA Evaluation Results:

Total Radiated Power	-2.82 dBm
Peak EIRP	1.38 dBm
Directivity	4.20 dBi
Efficiency	-2.82 dB
Efficiency	52.29 %
Gain	1.38 dBi
NHPRP 45°	-4.63 dBm
NHPRP 45° / TRP	-1.81 dB
NHPRP 45° / TRP	65.93 %
NHPRP 30°	-6.28 dBm
NHPRP 30° / TRP	-3.47 dB
NHPRP 30° / TRP	44.99 %
NHPRP 22.5°	-7.52 dBm
NHPRP 22.5° / TRP	-4.70 dB
NHPRP 22.5° / TRP	33.85 %
UHRP	-5.48 dBm
UHRP / TRP	-2.67 dB
UHRP / TRP	54.12 %
LHRP	-6.20 dBm
LHRP / TRP	-3.38 dB
LHRP / TRP	45.88 %
Front/Back Ratio	4.16
PhiBW	234.9 deg
PhiBW Up	168.2 deg
PhiBW Down	66.8 deg
ThetaBW	52.4 deg
ThetaBW Up	52.4 deg
ThetaBW Down	0.0 deg
Boresight Phi	240 deg
Boresight Theta	0 deg
Maximum Power	1.38 dBm
Minimum Power	-7.43 dBm
Average Power	-2.32 dBm
Max/Min Ratio	8.81 dB
Max/Avg Ratio	3.70 dB
Min/Avg Ratio	-5.11 dB
Best Single Value	-0.12 dBm
Best Position	Phi = 285 deg; Theta = 30 deg; Pol = Hor

RP_868.000_tot

Azimuth (deg)	Elevation 0 deg (dB)	Elevation 15 deg (dB)	Elevation 30 deg (dB)	Elevation 45 deg (dB)	Elevation 60 deg (dB)	Elevation 75 deg (dB)	Elevation 90 deg (dB)	Elevation 105 deg (dB)	Elevation 120 deg (dB)	Elevation 135 deg (dB)	Elevation 150 deg (dB)	Elevation 165 deg (dB)	Elevation 180 deg (dB)
0.00	-0.52	-0.85	-1.60	-1.81	-2.85	-4.64	-4.06	-3.03	-4.02	-3.76	-3.06	-2.47	-1.55
15.00	-0.64	-1.39	-3.44	-3.33	-4.30	-5.75	-4.28	-3.32	-5.09	-3.32	-1.76	-2.00	-1.27
30.00	-0.95	-2.38	-5.74	-5.85	-5.46	-5.80	-4.15	-3.31	-4.89	-2.56	-0.58	-1.36	-1.45
45.00	-1.48	-3.43	-6.82	-7.43	-4.67	-3.87	-3.37	-2.37	-3.31	-1.75	0.01	-1.11	-2.00
60.00	-2.14	-4.13	-5.46	-5.67	-2.90	-1.95	-2.22	-1.18	-1.84	-1.14	-0.18	-1.27	-2.78
75.00	-3.03	-4.18	-3.78	-3.12	-1.56	-0.79	-1.55	-0.66	-1.28	-0.93	-1.14	-1.63	-3.34
90.00	-3.88	-3.90	-2.80	-1.54	-0.95	-0.70	-1.72	-1.08	-1.77	-1.16	-2.65	-1.77	-3.23
105.00	-4.49	-3.63	-2.37	-0.88	-0.94	-1.54	-2.68	-2.48	-2.92	-1.53	-3.88	-1.65	-2.46
120.00	-4.52	-3.61	-2.41	-0.93	-1.35	-2.89	-3.99	-4.37	-3.57	-1.71	-3.92	-1.36	-1.61
135.00	-3.91	-3.75	-2.78	-1.50	-1.85	-3.65	-4.85	-5.64	-3.20	-1.57	-2.99	-1.24	-0.97
150.00	-3.09	-3.75	-3.16	-2.30	-2.31	-3.35	-4.45	-5.12	-2.85	-1.51	-2.13	-1.21	-0.68
165.00	-2.17	-3.31	-3.39	-3.28	-2.93	-2.92	-3.59	-3.85	-3.28	-1.87	-1.73	-1.26	-0.72
180.00	-1.17	-2.52	-3.42	-4.12	-3.80	-3.12	-3.18	-2.87	-4.48	-2.56	-1.70	-1.14	-0.83
195.00	-0.22	-1.43	-3.01	-4.45	-4.48	-4.01	-3.17	-2.30	-5.71	-3.32	-1.81	-1.07	-0.99
210.00	0.61	-0.38	-2.22	-3.71	-4.23	-4.85	-3.40	-2.23	-6.14	-3.62	-2.00	-1.08	-1.12
225.00	1.18	0.41	-1.30	-2.35	-3.15	-5.19	-3.77	-2.62	-5.98	-3.78	-2.43	-1.34	-1.38
240.00	1.38	0.85	-0.62	-1.16	-2.10	-5.12	-4.06	-3.28	-5.90	-4.03	-3.14	-1.93	-1.75
255.00	1.26	0.95	-0.24	-0.28	-1.43	-4.86	-4.34	-4.11	-6.02	-4.59	-4.26	-2.67	-2.16
270.00	0.97	0.68	-0.08	-0.04	-1.36	-4.59	-4.40	-4.80	-6.14	-5.27	-5.40	-3.37	-2.40
285.00	0.54	0.20	0.11	-0.16	-1.51	-4.00	-4.23	-4.97	-6.05	-5.65	-6.17	-3.88	-2.42
300.00	0.21	-0.27	0.33	-0.32	-1.43	-3.09	-4.00	-4.79	-5.63	-5.65	-6.23	-4.22	-2.35
315.00	-0.05	-0.53	0.44	-0.42	-1.15	-2.35	-3.80	-4.25	-5.00	-5.11	-5.92	-4.51	-2.24
330.00	-0.24	-0.49	0.31	-0.42	-1.13	-2.20	-3.78	-3.59	-4.34	-4.53	-5.35	-4.50	-2.04
345.00	-0.32	-0.43	-0.24	-0.65	-1.55	-2.78	-3.90	-3.11	-4.00	-4.12	-4.55	-3.99	-1.72
360.00	-0.47	-0.61	-1.18	-1.34	-2.39	-4.05	-3.91	-3.02	-4.08	-3.93	-3.54	-2.90	-1.62

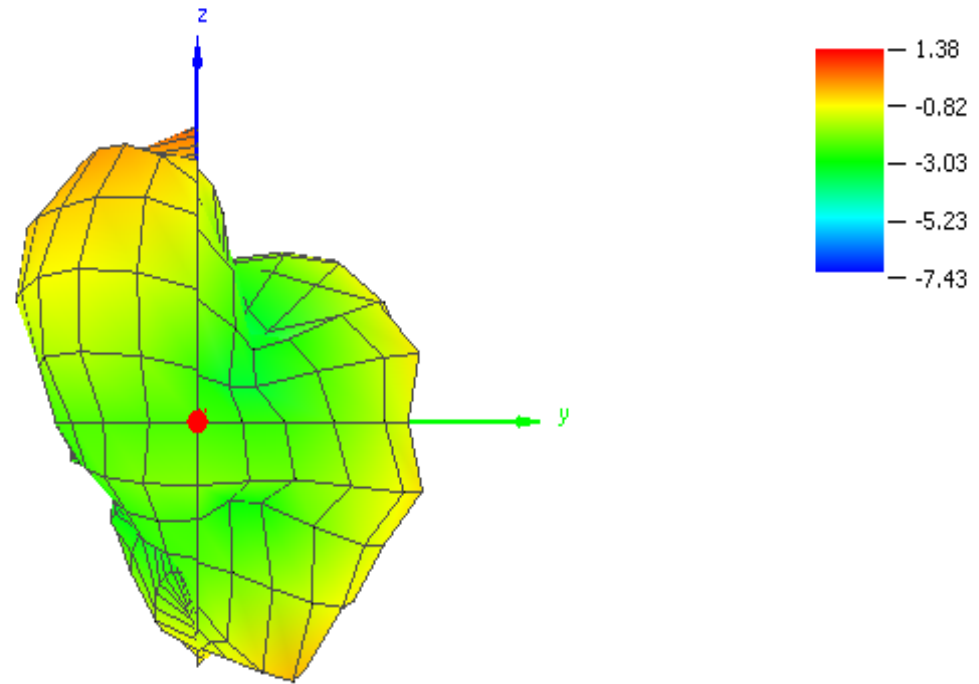
RP_868.000_hor

Azimuth (deg)	Elevation 0 deg (dB)	Elevation 15 deg (dB)	Elevation 30 deg (dB)	Elevation 45 deg (dB)	Elevation 60 deg (dB)	Elevation 75 deg (dB)	Elevation 90 deg (dB)	Elevation 105 deg (dB)	Elevation 120 deg (dB)	Elevation 135 deg (dB)	Elevation 150 deg (dB)	Elevation 165 deg (dB)	Elevation 180 deg (dB)
0.0	-6.38	-8.33	-9.44	-9.17	-8.53	-6.58	-4.73	-3.28	-4.74	-4.61	-4.50	-5.98	-6.48
15.0	-7.07	-9.12	-11.75	-12.42	-9.08	-6.63	-4.43	-3.35	-5.15	-4.16	-4.49	-7.30	-8.48
30.0	-7.25	-9.63	-14.65	-15.26	-9.03	-6.35	-4.43	-3.97	-5.60	-4.09	-4.83	-9.73	-12.09
45.0	-6.75	-10.27	-20.22	-14.97	-8.33	-6.23	-4.95	-5.06	-6.48	-4.57	-6.06	-14.80	-17.86
60.0	-6.06	-10.28	-18.92	-10.93	-7.21	-6.26	-5.57	-6.21	-7.68	-5.31	-8.48	-18.84	-14.97
75.0	-5.39	-8.49	-11.13	-7.15	-5.65	-6.07	-6.04	-7.15	-8.50	-5.50	-11.55	-10.38	-9.02
90.0	-4.89	-6.32	-7.00	-4.47	-4.27	-5.62	-6.06	-7.43	-7.89	-4.62	-10.63	-5.60	-5.43
105.0	-4.65	-4.71	-4.44	-2.83	-3.16	-5.22	-5.96	-7.28	-6.32	-3.21	-7.60	-3.04	-3.13
120.0	-4.73	-3.91	-3.16	-2.01	-2.56	-5.10	-6.10	-7.39	-5.19	-2.49	-5.88	-1.82	-1.73
135.0	-5.24	-4.00	-2.87	-1.92	-2.42	-5.05	-6.59	-8.38	-5.11	-2.74	-5.75	-1.69	-1.10
150.0	-6.17	-4.83	-3.32	-2.43	-2.71	-5.18	-6.92	-10.06	-6.54	-4.25	-7.16	-2.42	-1.23
165.0	-7.25	-6.09	-4.29	-3.47	-3.35	-5.50	-6.65	-10.40	-10.21	-7.49	-10.80	-4.08	-2.14
180.0	-7.87	-7.24	-5.58	-4.77	-4.33	-6.09	-5.94	-8.07	-19.76	-13.15	-16.77	-6.07	-3.67
195.0	-7.36	-6.95	-6.35	-5.83	-5.41	-6.92	-5.20	-5.72	-17.44	-15.48	-14.24	-7.99	-5.94
210.0	-5.95	-5.36	-5.70	-5.59	-5.88	-7.52	-4.78	-4.42	-10.51	-10.31	-9.84	-8.82	-8.52
225.0	-4.39	-3.59	-4.03	-4.15	-5.20	-7.36	-4.64	-3.95	-7.70	-7.45	-7.76	-8.69	-9.94
240.0	-3.20	-2.17	-2.44	-2.53	-3.89	-6.52	-4.52	-4.06	-6.63	-6.20	-6.91	-8.19	-8.80
255.0	-2.26	-1.17	-1.15	-1.07	-2.49	-5.47	-4.46	-4.54	-6.38	-5.87	-6.93	-7.40	-6.68
270.0	-1.65	-0.72	-0.38	-0.32	-1.70	-4.67	-4.43	-5.14	-6.54	-6.11	-7.28	-6.47	-4.86
285.0	-1.31	-0.80	-0.12	-0.17	-1.52	-4.32	-4.54	-5.54	-6.84	-6.51	-7.53	-5.55	-3.57
300.0	-1.37	-1.49	-0.50	-0.67	-1.96	-4.38	-4.83	-5.66	-6.98	-6.93	-7.34	-4.88	-2.82
315.0	-1.93	-2.90	-1.60	-1.91	-2.98	-4.79	-5.12	-5.27	-6.82	-6.85	-6.86	-4.59	-2.68
330.0	-2.98	-4.72	-3.37	-3.66	-4.43	-5.46	-5.26	-4.50	-6.25	-6.32	-6.13	-4.67	-3.18
345.0	-4.40	-6.72	-5.74	-6.01	-6.25	-6.18	-5.14	-3.78	-5.61	-5.50	-5.40	-5.11	-4.27
360.0	-5.91	-7.96	-8.59	-8.19	-7.93	-6.62	-4.76	-3.37	-5.15	-4.86	-4.80	-5.64	-5.84

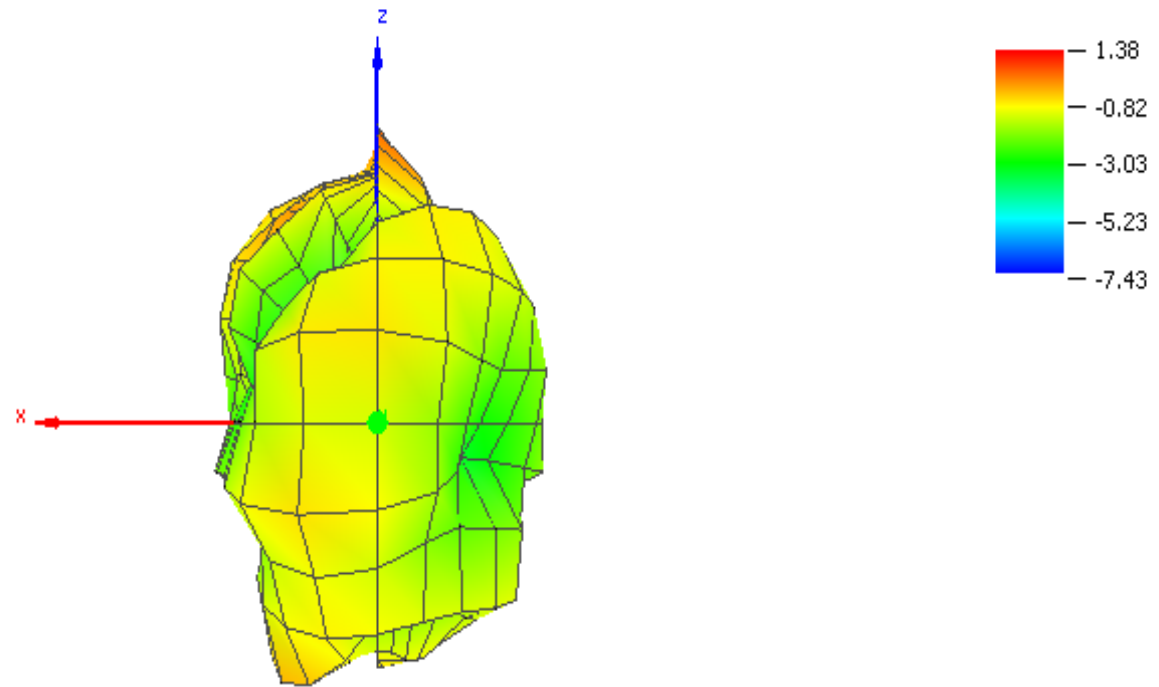
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Azimuth (deg)	Elevation 0 deg (dB)	Elevation 15 deg (dB)	Elevation 30 deg (dB)	Elevation 45 deg (dB)	Elevation 60 deg (dB)	Elevation 75 deg (dB)	Elevation 90 deg (dB)	Elevation 105 deg (dB)	Elevation 120 deg (dB)	Elevation 135 deg (dB)	Elevation 150 deg (dB)	Elevation 165 deg (dB)	Elevation 180 deg (dB)
0.0	-1.83	-1.70	-2.38	-2.69	-4.22	-9.05	-12.51	-15.55	-12.14	-11.28	-8.53	-5.04	-3.23
15.0	-1.76	-2.19	-4.13	-3.91	-6.06	-13.14	-18.86	-25.34	-23.70	-10.91	-5.08	-3.52	-2.19
30.0	-2.11	-3.28	-6.34	-6.38	-7.98	-15.05	-16.14	-11.83	-13.10	-7.85	-2.63	-2.05	-1.84
45.0	-3.02	-4.43	-7.02	-8.28	-7.12	-7.64	-8.52	-5.72	-6.16	-4.96	-1.23	-1.30	-2.11
60.0	-4.39	-5.34	-5.66	-7.21	-4.91	-3.96	-4.91	-2.82	-3.15	-3.24	-0.87	-1.34	-3.05
75.0	-6.80	-6.19	-4.66	-5.30	-3.70	-2.31	-3.45	-1.76	-2.19	-2.79	-1.56	-2.25	-4.71
90.0	-10.70	-7.61	-4.87	-4.64	-3.67	-2.39	-3.71	-2.22	-2.99	-3.76	-3.40	-4.09	-7.23
105.0	-18.94	-10.19	-6.59	-5.30	-4.93	-3.98	-5.44	-4.22	-5.57	-6.47	-6.28	-7.28	-10.91
120.0	-17.78	-15.40	-10.40	-7.49	-7.49	-6.89	-8.15	-7.37	-8.63	-9.50	-8.31	-11.30	-17.38
135.0	-9.70	-16.20	-19.37	-11.88	-10.92	-9.24	-9.67	-8.94	-7.69	-7.83	-6.26	-11.26	-16.27
150.0	-6.03	-10.33	-17.81	-17.65	-12.92	-7.99	-8.07	-6.81	-5.28	-4.80	-3.77	-7.33	-9.93
165.0	-3.78	-6.57	-10.66	-16.92	-13.30	-6.41	-6.56	-4.94	-4.27	-3.27	-2.31	-4.48	-6.28
180.0	-2.21	-4.30	-7.50	-12.69	-13.19	-6.17	-6.45	-4.43	-4.61	-2.96	-1.84	-2.83	-4.01
195.0	-1.15	-2.86	-5.71	-10.11	-11.65	-7.11	-7.45	-4.93	-6.01	-3.59	-2.06	-2.06	-2.66
210.0	-0.47	-2.03	-4.80	-8.26	-9.26	-8.22	-9.06	-6.26	-8.12	-4.67	-2.78	-1.88	-1.99
225.0	-0.24	-1.79	-4.61	-7.06	-7.40	-9.23	-11.15	-8.40	-10.82	-6.21	-3.94	-2.23	-2.03
240.0	-0.48	-2.15	-5.27	-6.82	-6.80	-10.71	-14.04	-11.14	-13.98	-8.09	-5.52	-3.10	-2.70
255.0	-1.28	-3.19	-7.51	-8.07	-8.11	-13.72	-19.99	-14.37	-17.04	-10.53	-7.64	-4.45	-4.06
270.0	-2.49	-4.92	-11.85	-12.13	-12.57	-21.86	-26.40	-15.96	-16.70	-12.78	-9.94	-6.30	-6.04
285.0	-4.04	-6.65	-12.83	-28.72	-26.60	-15.45	-15.84	-14.13	-13.87	-13.10	-11.89	-8.83	-8.79
300.0	-4.95	-6.35	-7.24	-11.39	-10.80	-8.97	-11.61	-12.16	-11.34	-11.57	-12.71	-12.74	-12.23
315.0	-4.58	-4.30	-3.81	-5.80	-5.79	-6.02	-9.62	-11.06	-9.66	-9.91	-13.05	-22.02	-12.41
330.0	-3.54	-2.55	-2.12	-3.22	-3.86	-4.98	-9.15	-10.84	-8.83	-9.26	-13.24	-18.68	-8.42
345.0	-2.47	-1.59	-1.68	-2.15	-3.35	-5.44	-9.94	-11.55	-9.09	-9.76	-12.08	-10.42	-5.26
360.0	-1.94	-1.49	-2.04	-2.35	-3.81	-7.56	-11.37	-14.20	-10.70	-11.09	-9.53	-6.21	-3.69

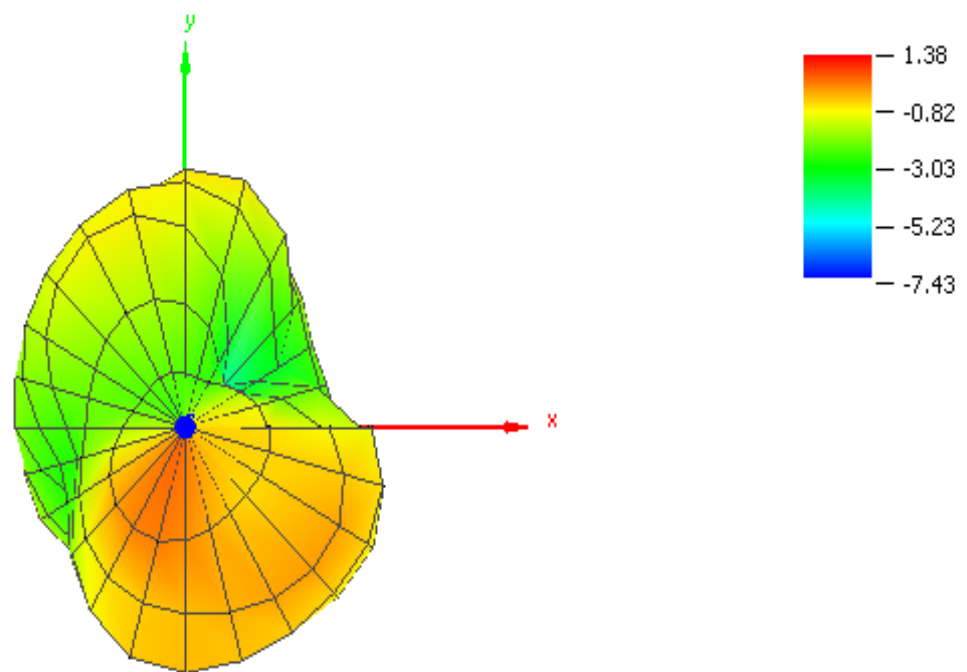
Theta = 90, Phi = 0



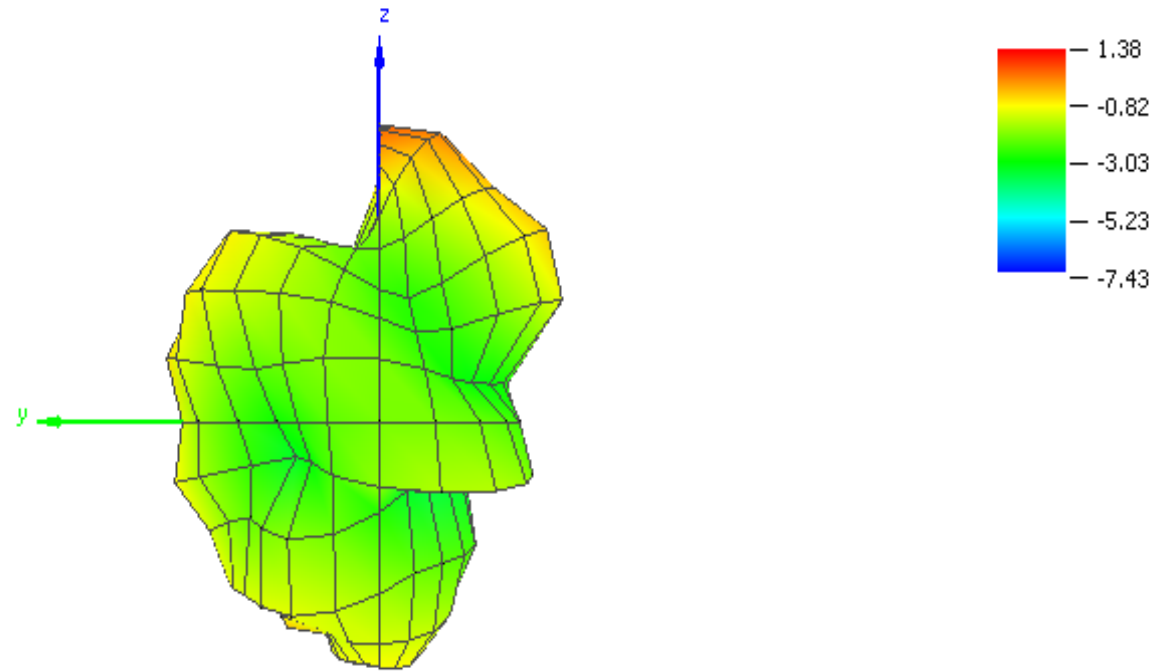
Theta = 90, Phi = 90



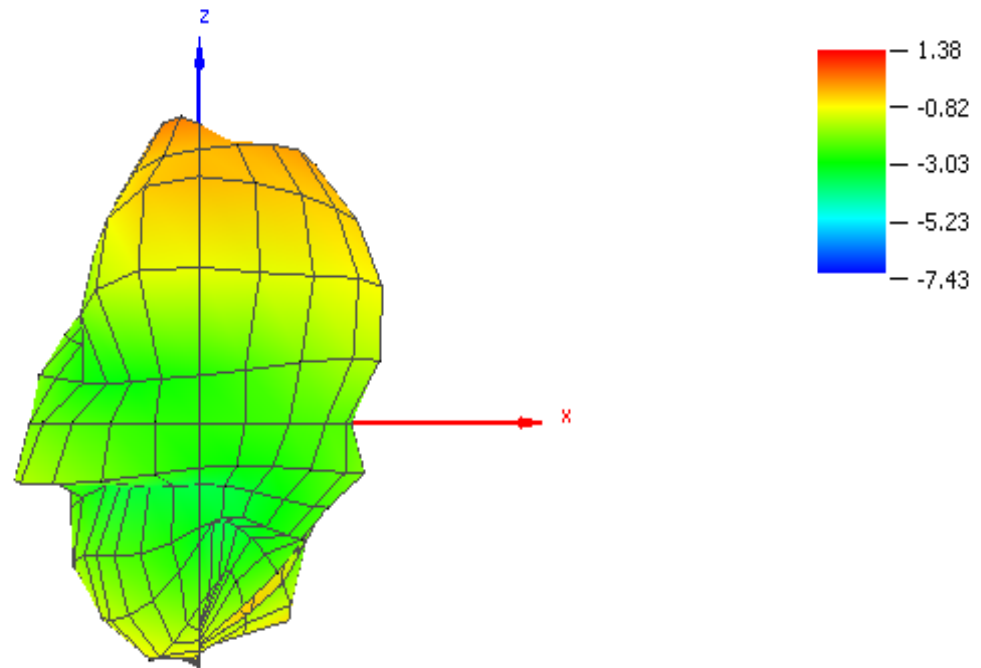
Theta = 0, Phi = 0



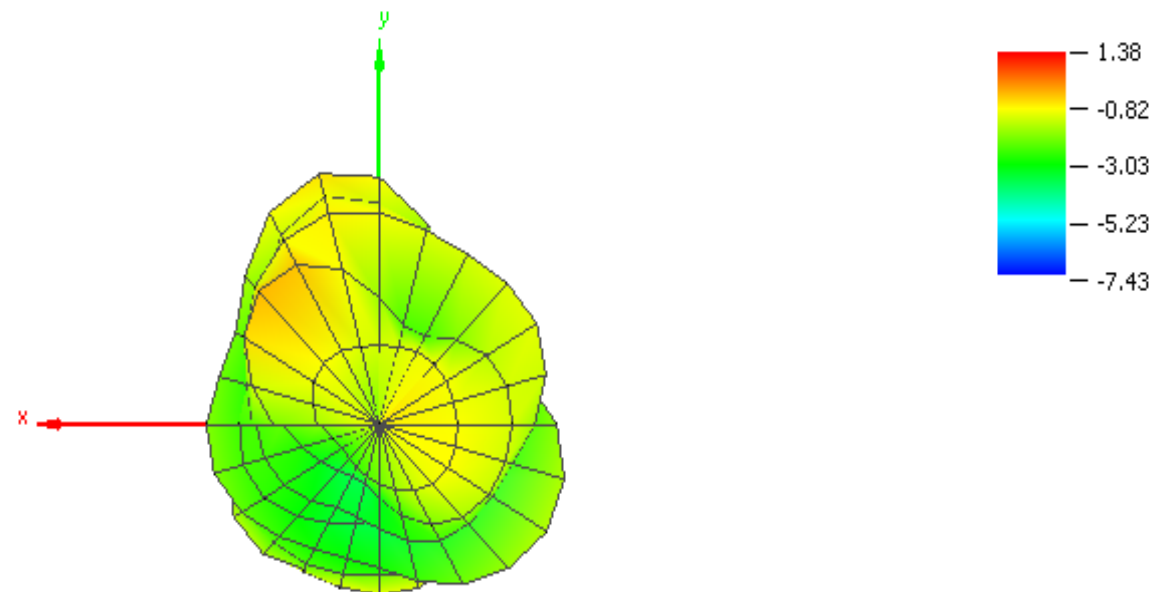
Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 180, Phi = 0



OTA Test Results for Frequency 915.000 MHz

OTA Evaluation Results:

Total Radiated Power	-1.98 dBm
Peak EIRP	2.87 dBm
Directivity	4.85 dBi
Efficiency	-1.98 dB
Efficiency	63.39 %
Gain	2.87 dBi
NHPRP 45°	-4.08 dBm
NHPRP 45° / TRP	-2.10 dB
NHPRP 45° / TRP	61.72 %
NHPRP 30°	-5.86 dBm
NHPRP 30° / TRP	-3.88 dB
NHPRP 30° / TRP	40.89 %
NHPRP 22.5°	-7.18 dBm
NHPRP 22.5° / TRP	-5.20 dB
NHPRP 22.5° / TRP	30.23 %
UHRP	-3.92 dBm
UHRP / TRP	-1.94 dB
UHRP / TRP	64.02 %
LHRP	-6.42 dBm
LHRP / TRP	-4.44 dB
LHRP / TRP	35.98 %
Front/Back Ratio	3.88
PhiBW	344.9 deg
PhiBW Up	102.4 deg
PhiBW Down	242.5 deg
ThetaBW	84.3 deg
ThetaBW Up	39.9 deg
ThetaBW Down	44.3 deg
Boresight Phi	240 deg
Boresight Theta	15 deg
Maximum Power	2.87 dBm
Minimum Power	-12.95 dBm
Average Power	-1.08 dBm
Max/Min Ratio	15.81 dB
Max/Avg Ratio	3.95 dB
Min/Avg Ratio	-11.86 dB
Best Single Value	2.07 dBm
Best Position	Phi = 285 deg; Theta = 15 deg; Pol = Hor

RP_915.000_tot

Azimuth (deg)	Elevation 0 deg (dB)	Elevation 15 deg (dB)	Elevation 30 deg (dB)	Elevation 45 deg (dB)	Elevation 60 deg (dB)	Elevation 75 deg (dB)	Elevation 90 deg (dB)	Elevation 105 deg (dB)	Elevation 120 deg (dB)	Elevation 135 deg (dB)	Elevation 150 deg (dB)	Elevation 165 deg (dB)	Elevation 180 deg (dB)
0.00	1.08	-0.07	-1.27	-1.69	-1.63	-2.10	-2.55	-3.64	-4.27	-6.09	-5.04	-2.05	0.33
15.00	1.52	0.24	-1.42	-2.71	-2.36	-2.42	-3.66	-3.85	-5.07	-5.23	-3.28	-1.59	0.18
30.00	1.93	1.03	-1.22	-3.79	-3.30	-2.82	-5.02	-4.19	-4.88	-4.02	-1.79	-1.13	-0.40
45.00	2.23	1.61	-0.69	-3.73	-3.53	-2.51	-5.04	-3.80	-3.09	-2.78	-1.09	-1.02	-1.23
60.00	2.41	1.88	-0.23	-2.23	-2.46	-1.51	-3.16	-2.69	-1.51	-1.76	-1.13	-1.01	-2.16
75.00	2.35	1.79	-0.04	-0.63	-1.18	-0.61	-1.92	-2.16	-1.22	-1.20	-1.57	-0.86	-2.65
90.00	2.37	1.46	-0.19	0.38	-0.47	-0.44	-2.30	-2.85	-2.24	-1.03	-1.98	-0.51	-2.53
105.00	2.35	1.00	-0.48	0.64	-0.44	-1.06	-4.01	-4.60	-3.34	-0.83	-1.61	-0.10	-1.87
120.00	2.30	0.61	-0.71	0.34	-0.67	-1.84	-5.29	-5.50	-2.51	-0.33	-0.63	0.25	-1.16
135.00	2.15	0.36	-0.72	-0.26	-0.76	-1.85	-3.98	-4.00	-0.83	0.29	0.28	0.41	-0.66
150.00	1.99	0.41	-0.48	-0.88	-0.86	-1.25	-2.39	-2.21	0.13	0.57	0.55	0.31	-0.47
165.00	2.01	0.84	0.00	-1.31	-1.21	-1.01	-1.91	-1.52	0.02	0.09	0.12	-0.17	-0.70
180.00	2.33	1.53	0.66	-1.40	-1.75	-1.50	-2.66	-1.85	-1.18	-1.15	-1.08	-0.86	-1.11
195.00	2.63	2.19	1.23	-1.02	-1.85	-2.36	-4.12	-3.11	-3.39	-3.24	-2.96	-1.62	-1.54
210.00	2.69	2.64	1.66	-0.25	-1.27	-2.51	-4.86	-4.65	-6.21	-6.09	-5.05	-2.32	-1.85
225.00	2.49	2.84	1.88	0.54	-0.71	-1.90	-4.43	-5.20	-7.83	-8.77	-6.58	-3.05	-2.00
240.00	2.10	2.87	1.95	0.96	-0.69	-1.77	-4.74	-5.20	-8.40	-9.69	-7.37	-3.85	-2.02
255.00	1.63	2.78	2.04	1.06	-0.96	-2.51	-6.63	-6.12	-9.91	-9.95	-8.07	-4.55	-1.96
270.00	1.31	2.53	2.13	0.97	-1.17	-3.43	-8.32	-7.63	-12.07	-11.23	-9.27	-5.09	-1.62
285.00	1.17	2.26	2.18	0.90	-0.99	-3.30	-6.45	-7.49	-11.16	-12.95	-10.72	-5.23	-1.02
300.00	1.28	1.82	2.01	0.78	-0.65	-2.36	-3.92	-5.93	-8.13	-12.34	-11.88	-4.97	-0.29
315.00	1.41	1.24	1.56	0.53	-0.50	-1.60	-2.53	-4.55	-6.02	-9.98	-11.55	-4.43	0.26
330.00	1.33	0.37	0.77	0.09	-0.62	-1.32	-1.99	-3.80	-4.76	-7.81	-10.01	-3.80	0.55
345.00	1.22	-0.24	-0.17	-0.54	-1.00	-1.47	-2.02	-3.45	-4.20	-6.66	-7.90	-3.14	0.57
360.00	0.93	-0.11	-1.16	-1.34	-1.50	-1.98	-2.35	-3.60	-4.07	-6.39	-5.43	-2.39	0.36

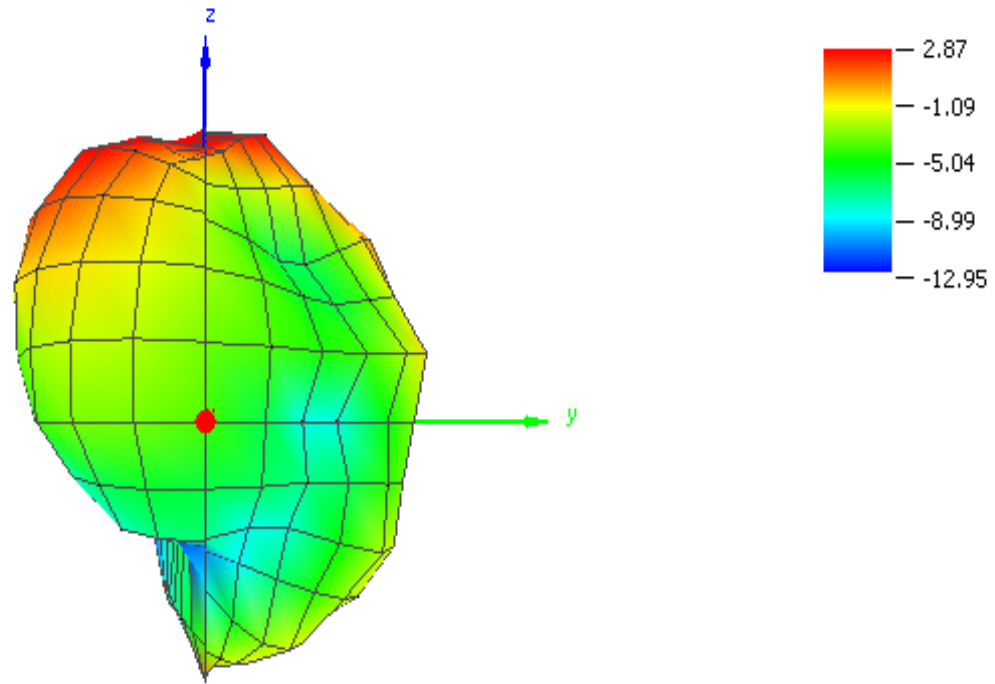
RP_915.000_hor

Azimuth (deg)	Elevation 0 deg (dB)	Elevation 15 deg (dB)	Elevation 30 deg (dB)	Elevation 45 deg (dB)	Elevation 60 deg (dB)	Elevation 75 deg (dB)	Elevation 90 deg (dB)	Elevation 105 deg (dB)	Elevation 120 deg (dB)	Elevation 135 deg (dB)	Elevation 150 deg (dB)	Elevation 165 deg (dB)	Elevation 180 deg (dB)
0.0	-6.56	-10.25	-10.62	-9.47	-8.46	-5.93	-5.64	-5.17	-6.10	-7.11	-5.42	-4.66	-4.85
15.0	-9.52	-17.54	-17.97	-13.38	-9.04	-5.40	-5.45	-4.86	-5.50	-5.41	-4.59	-5.22	-6.69
30.0	-7.69	-9.74	-17.57	-14.77	-9.09	-5.32	-5.72	-5.00	-5.26	-4.69	-4.57	-6.81	-9.67
45.0	-3.94	-5.19	-10.45	-11.94	-8.53	-5.39	-6.55	-5.64	-5.77	-5.11	-5.77	-9.14	-11.98
60.0	-1.17	-2.58	-6.92	-8.43	-7.43	-5.50	-7.67	-6.77	-7.36	-6.10	-7.91	-9.06	-10.11
75.0	0.56	-1.10	-4.80	-5.55	-5.98	-5.38	-8.76	-8.01	-8.92	-5.67	-7.58	-5.51	-6.78
90.0	1.63	-0.25	-3.19	-3.19	-4.30	-4.95	-9.90	-8.80	-8.16	-3.62	-4.64	-2.44	-4.11
105.0	2.01	0.09	-2.01	-1.68	-2.94	-4.45	-10.77	-8.77	-6.07	-1.67	-2.40	-0.71	-2.36
120.0	1.85	0.07	-1.27	-0.88	-1.94	-3.93	-11.18	-8.82	-4.77	-0.84	-1.32	-0.01	-1.35
135.0	1.10	-0.34	-0.95	-0.68	-1.43	-3.52	-10.73	-9.81	-4.84	-1.16	-1.39	-0.25	-1.03
150.0	-0.25	-1.07	-1.04	-0.93	-1.35	-3.12	-9.44	-11.48	-6.51	-2.91	-2.79	-1.43	-1.40
165.0	-2.08	-1.89	-1.35	-1.39	-1.57	-2.84	-7.77	-11.96	-10.34	-6.47	-5.66	-3.80	-2.64
180.0	-3.71	-2.60	-1.75	-1.90	-1.97	-2.76	-6.31	-9.68	-18.21	-13.97	-11.64	-7.71	-4.78
195.0	-4.44	-2.77	-1.99	-2.21	-2.41	-2.84	-5.43	-7.43	-14.35	-20.89	-21.20	-12.60	-8.03
210.0	-4.14	-2.27	-1.76	-2.04	-2.72	-3.03	-5.14	-6.21	-9.65	-11.96	-12.16	-11.83	-11.77
225.0	-3.17	-1.19	-0.84	-1.16	-2.59	-3.15	-5.49	-6.14	-8.12	-10.21	-9.06	-8.65	-10.54
240.0	-1.96	0.17	0.36	-0.10	-2.02	-3.18	-6.25	-6.95	-8.64	-11.28	-8.56	-6.85	-6.68
255.0	-0.85	1.25	1.40	0.70	-1.41	-3.27	-7.41	-8.22	-10.49	-14.43	-9.62	-6.12	-3.99
270.0	0.16	1.89	1.99	0.96	-1.17	-3.59	-8.86	-9.60	-12.90	-19.15	-11.72	-5.94	-2.21
285.0	0.83	2.07	2.07	0.71	-1.40	-4.22	-9.75	-10.14	-14.67	-23.44	-13.72	-5.90	-1.20
300.0	1.17	1.71	1.59	-0.03	-2.09	-5.10	-9.91	-9.86	-14.42	-22.74	-14.54	-5.75	-0.75
315.0	1.00	0.80	0.55	-1.29	-3.22	-6.10	-9.06	-8.71	-12.34	-18.37	-13.13	-5.39	-0.81
330.0	-0.02	-1.12	-1.30	-3.16	-4.79	-6.66	-7.93	-7.27	-9.75	-13.58	-10.54	-4.98	-1.43
345.0	-1.94	-4.09	-4.08	-5.62	-6.52	-6.55	-6.73	-6.06	-7.86	-10.13	-8.00	-4.68	-2.54
360.0	-5.38	-7.89	-8.51	-8.27	-8.03	-6.26	-5.85	-5.44	-6.43	-7.90	-5.85	-4.70	-4.26

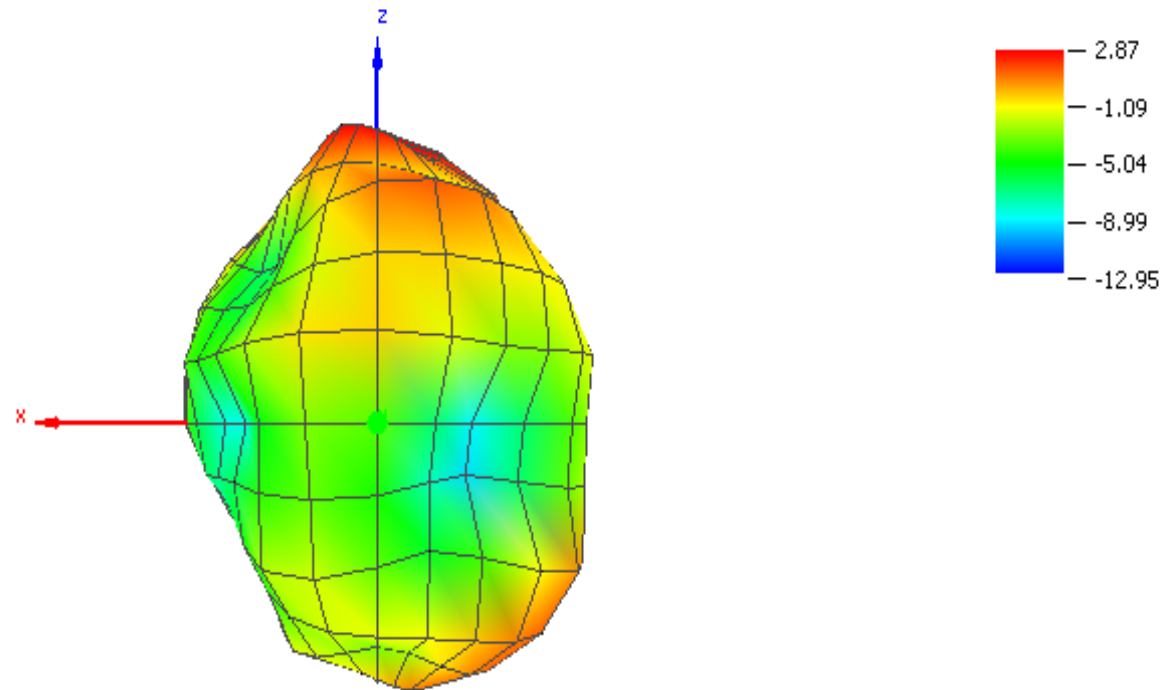
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Azimuth (deg)	Elevation 0 deg (dB)	Elevation 15 deg (dB)	Elevation 30 deg (dB)	Elevation 45 deg (dB)	Elevation 60 deg (dB)	Elevation 75 deg (dB)	Elevation 90 deg (dB)	Elevation 105 deg (dB)	Elevation 120 deg (dB)	Elevation 135 deg (dB)	Elevation 150 deg (dB)	Elevation 165 deg (dB)	Elevation 180 deg (dB)
0.0	0.26	-0.51	-1.81	-2.48	-2.64	-4.42	-5.48	-8.91	-8.90	-12.92	-15.80	-5.51	-1.23
15.0	1.17	0.16	-1.52	-3.10	-3.42	-5.46	-8.38	-10.71	-15.35	-19.18	-9.13	-4.07	-0.82
30.0	1.43	0.65	-1.32	-4.15	-4.63	-6.41	-13.33	-11.92	-15.67	-12.44	-5.05	-2.50	-0.95
45.0	1.03	0.60	-1.18	-4.44	-5.18	-5.65	-10.35	-8.40	-6.46	-6.60	-2.90	-1.74	-1.62
60.0	-0.10	-0.05	-1.28	-3.42	-4.12	-3.72	-5.05	-4.85	-2.82	-3.75	-2.16	-1.75	-2.91
75.0	-2.35	-1.34	-1.81	-2.32	-2.93	-2.38	-2.93	-3.47	-2.03	-3.12	-2.83	-2.68	-4.77
90.0	-5.65	-3.42	-3.21	-2.14	-2.79	-2.34	-3.13	-4.13	-3.52	-4.51	-5.38	-4.96	-7.70
105.0	-8.84	-6.23	-5.77	-3.20	-4.04	-3.72	-5.04	-6.70	-6.66	-8.38	-9.43	-8.93	-11.60
120.0	-7.78	-8.73	-9.93	-5.76	-6.63	-6.01	-6.59	-8.22	-6.42	-9.87	-8.95	-12.13	-14.88
135.0	-4.56	-7.94	-13.59	-10.64	-9.22	-6.80	-5.02	-5.32	-3.02	-5.17	-4.67	-8.13	-11.46
150.0	-1.95	-5.01	-9.69	-19.99	-10.64	-5.80	-3.35	-2.75	-0.93	-2.03	-2.17	-4.50	-7.62
165.0	-0.13	-2.46	-5.74	-18.27	-12.19	-5.65	-3.21	-1.93	-0.40	-0.99	-1.21	-2.64	-5.15
180.0	1.09	-0.60	-3.05	-11.02	-14.73	-7.48	-5.11	-2.63	-1.27	-1.38	-1.48	-1.87	-3.56
195.0	1.68	0.52	-1.58	-7.22	-11.04	-12.14	-9.98	-5.12	-3.75	-3.32	-3.03	-1.98	-2.64
210.0	1.68	0.94	-0.97	-4.96	-6.73	-12.01	-16.87	-9.86	-8.84	-7.39	-5.99	-2.84	-2.32
225.0	1.11	0.66	-1.45	-4.35	-5.24	-7.93	-11.07	-12.29	-19.65	-14.27	-10.20	-4.46	-2.66
240.0	-0.06	-0.48	-3.19	-5.68	-6.47	-7.34	-10.05	-9.99	-21.06	-14.82	-13.55	-6.87	-3.84
255.0	-1.98	-2.52	-6.61	-9.92	-11.04	-10.46	-14.50	-10.28	-18.93	-11.86	-13.30	-9.72	-6.25
270.0	-5.01	-6.05	-12.73	-24.84	-30.20	-18.09	-17.63	-12.00	-19.66	-11.99	-12.93	-12.58	-10.63
285.0	-9.98	-11.62	-13.86	-12.93	-11.45	-10.50	-9.19	-10.89	-13.72	-13.35	-13.75	-13.66	-14.96
300.0	-14.75	-14.57	-8.33	-6.89	-6.13	-5.66	-5.18	-8.18	-9.29	-12.75	-15.26	-12.81	-10.32
315.0	-9.05	-8.88	-5.26	-4.11	-3.82	-3.51	-3.62	-6.66	-7.18	-10.66	-16.72	-11.45	-6.35
330.0	-4.41	-5.01	-3.43	-2.70	-2.72	-2.82	-3.26	-6.40	-6.41	-9.15	-19.44	-10.02	-3.82
345.0	-1.65	-2.55	-2.44	-2.16	-2.43	-3.08	-3.81	-6.90	-6.64	-9.25	-24.30	-8.39	-2.34
360.0	-0.22	-0.90	-2.04	-2.32	-2.60	-4.01	-4.92	-8.22	-7.83	-11.71	-15.73	-6.22	-1.49

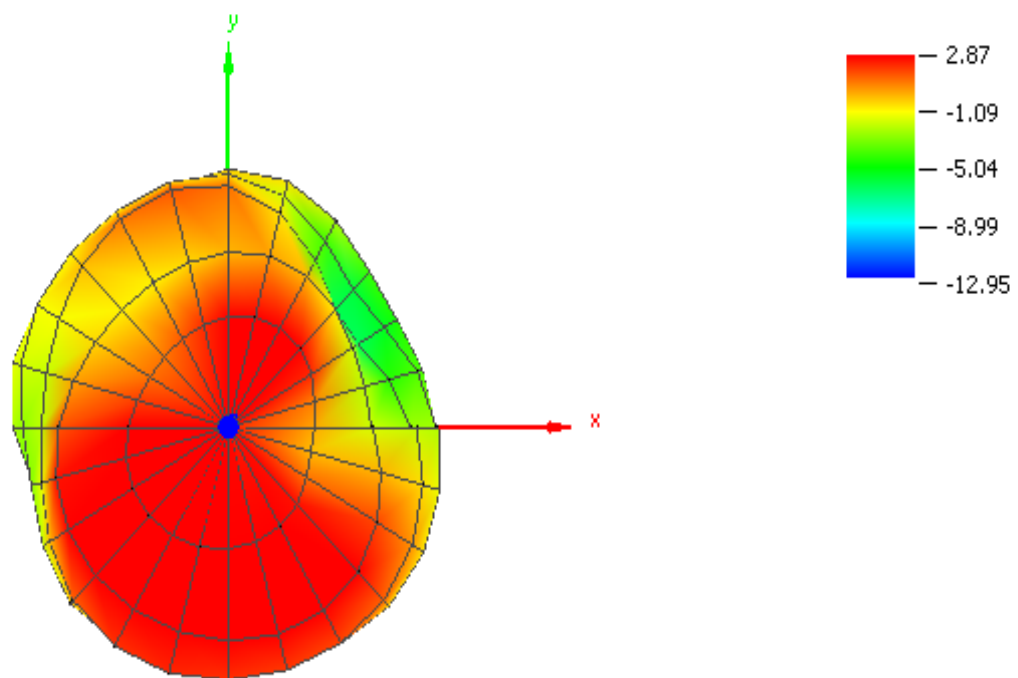
Theta = 90, Phi = 0



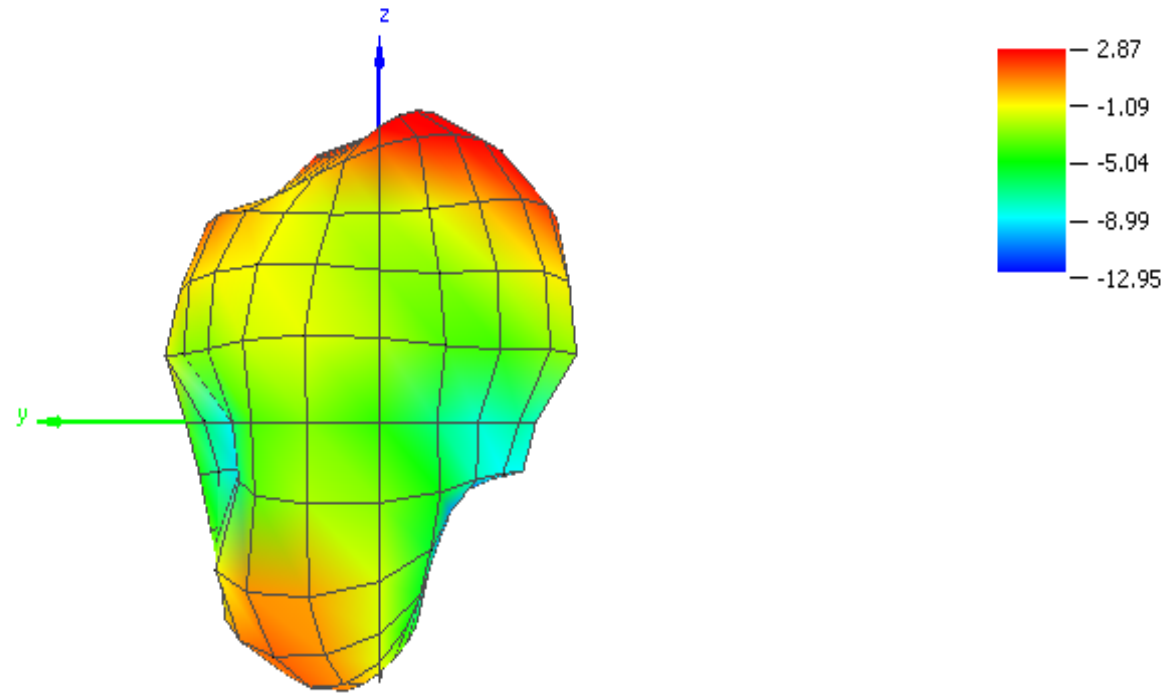
Theta = 90, Phi = 90



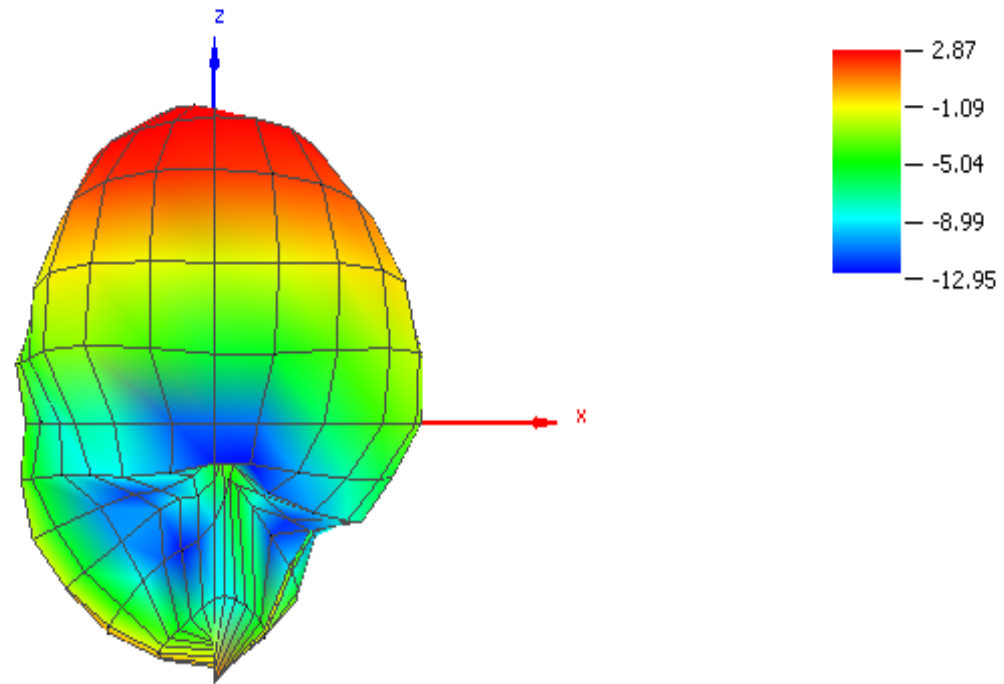
Theta = 0, Phi = 0



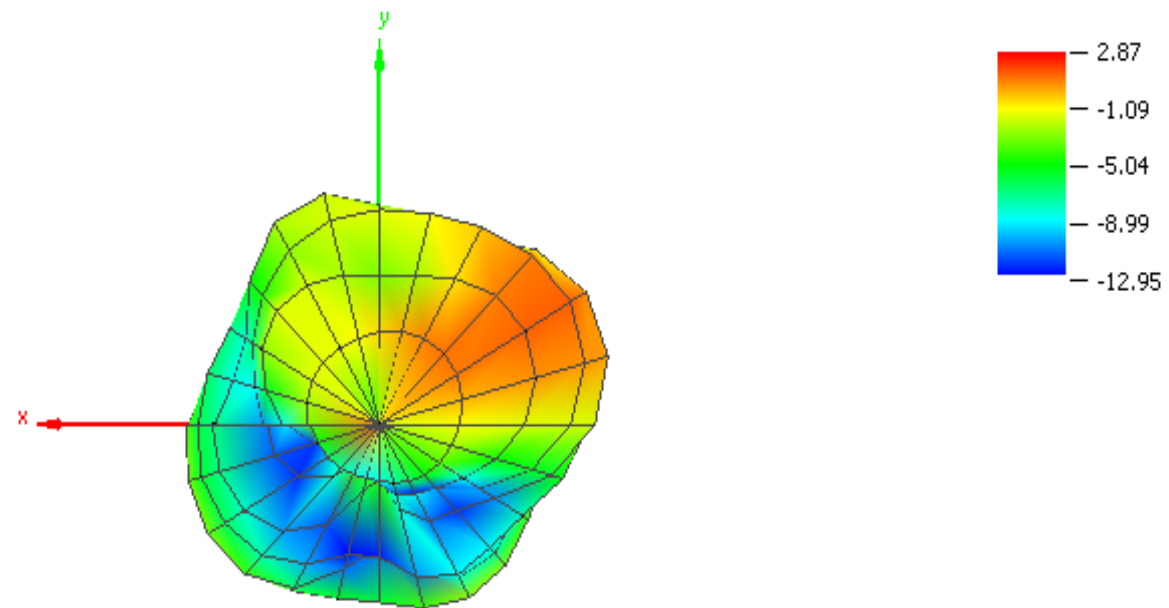
Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 180, Phi = 0



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