

CTIA Report (RP_806.000_tot)

Test Information:

Test Method:	Radiated Power Passive Antenna
Test Condition:	FS: Free Space
Frequency:	806.000 MHz
Test Time:	Start: 20.01.2012 10:32:24; Stop: 20.01.2012 10:48:02
Cal Data Hor:	39.67 dB (NA Port2 to Ant hor)
Cal Data Ver:	39.22 dB (NA Port2 to Ant ver)

OTA Evaluation Results:

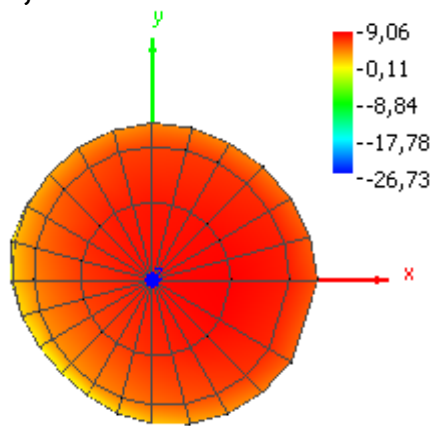
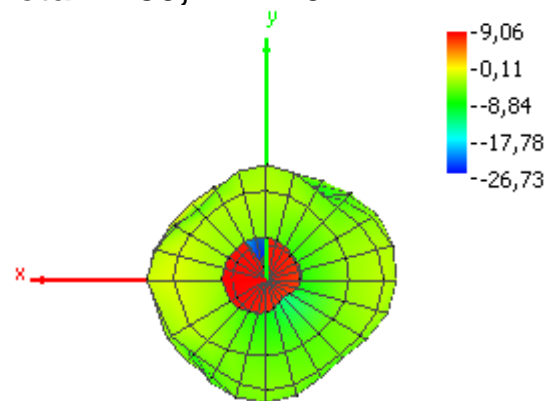
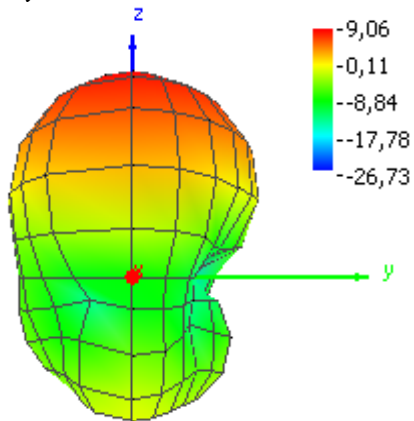
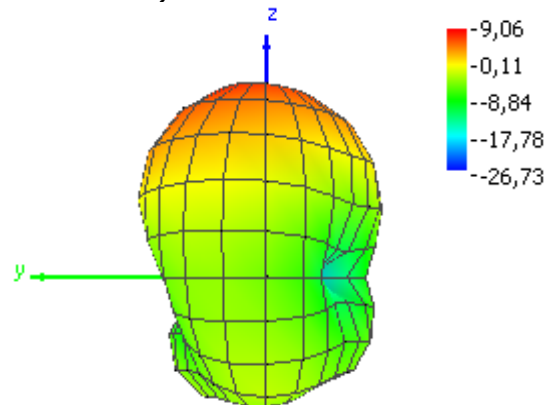
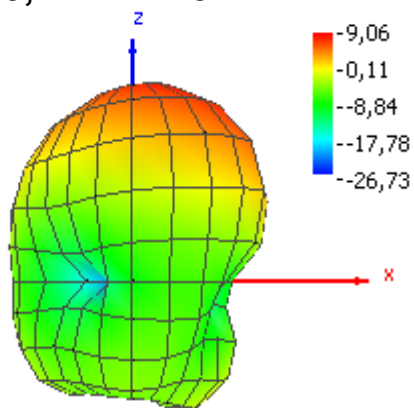
Total Radiated Power	-0,20 dBm
Peak EIRP	9,06 dBm
Directivity	9,27 dBi
Efficiency	-0,20 dB
Efficiency	95,39 %
Gain	9,06 dBi
NHPRP 45°	-4,85 dBm
NHPRP 45° / TRP	-4,65 dB
NHPRP 45° / TRP	34,29 %
NHPRP 30°	-8,46 dBm
NHPRP 30° / TRP	-8,26 dB
NHPRP 30° / TRP	14,93 %
NHPRP 22.5°	-10,21 dBm
NHPRP 22.5° / TRP	-10,01 dB
NHPRP 22.5° / TRP	9,98 %
UHRP	-0,85 dBm
UHRP / TRP	-0,64 dB
UHRP / TRP	86,29 %
LHRP	-8,83 dBm
LHRP / TRP	-8,63 dB
LHRP / TRP	13,71 %
Front/Back Ratio	16,81
PhiBW	360,0 deg
PhiBW Up	360,0 deg
PhiBW Down	360,0 deg
ThetaBW	66,4 deg
ThetaBW Up	30,6 deg
ThetaBW Down	35,7 deg
Boresight Phi	0 deg
Boresight Theta	15 deg
Maximum Power	9,06 dBm
Minimum Power	-26,73 dBm
Average Power	2,94 dBm
Max/Min Ratio	35,80 dB
Max/Avg Ratio	6,12 dB
Min/Avg Ratio	-29,67 dB
Worst Single Value	-36,83 dBm
Worst Position	Azi = 90 deg; Elev = 90 deg; Pol = Hor
Best Single Value	8,77 dBm
Best Position	Azi = 330 deg; Elev = 15 deg; Pol = Hor

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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)
0.00	8.76	9.06	8.12	6.22	2.67	-2.08	-9.01	-9.55
15.00	8.76	8.92	8.07	5.87	2.25	-2.88	-8.47	-9.16
30.00	8.76	8.76	7.75	5.33	1.03	-4.93	-10.12	-11.02
45.00	8.76	8.62	7.39	4.76	-0.27	-8.44	-13.62	-13.41
60.00	8.76	8.41	7.18	4.39	-0.76	-10.22	-18.88	-12.21
75.00	8.76	8.32	7.01	4.31	-0.45	-8.26	-26.73	-11.50
90.00	8.76	8.32	6.84	4.27	-0.13	-6.24	-19.63	-12.78
105.00	8.76	8.14	6.70	3.90	-0.01	-5.09	-11.76	-13.60
120.00	8.76	8.15	6.20	3.58	-0.24	-3.91	-7.55	-9.72
135.00	8.76	7.79	5.88	3.06	-0.10	-2.99	-4.90	-6.18
150.00	8.76	7.66	5.32	2.81	-0.02	-2.22	-3.78	-4.02
165.00	8.76	7.24	4.98	2.42	0.01	-2.43	-3.64	-3.48
180.00	8.76	7.01	4.51	1.94	-0.70	-3.30	-4.84	-3.92
195.00	8.76	6.77	4.18	1.17	-1.89	-5.35	-6.98	-5.68
210.00	8.76	6.62	3.96	0.35	-3.58	-8.18	-10.82	-8.49
225.00	8.76	6.72	3.91	-0.01	-4.82	-11.21	-17.42	-11.64
240.00	8.76	6.85	4.26	0.25	-4.52	-11.28	-21.12	-11.41
255.00	8.76	7.16	4.71	1.10	-3.26	-8.71	-13.15	-8.79
270.00	8.76	7.51	5.30	2.03	-1.97	-6.35	-9.05	-6.58
285.00	8.76	7.85	5.96	2.91	-0.94	-5.00	-6.82	-5.85
300.00	8.76	8.32	6.52	3.81	-0.17	-4.21	-6.45	-6.49
315.00	8.76	8.53	7.23	4.58	0.82	-3.92	-7.45	-9.41
330.00	8.76	8.92	7.67	5.47	1.78	-3.21	-9.45	-14.01
360.00	8.76	9.06	8.12	6.22	2.67	-2.08	-9.01	-9.55

(continuation of the "RP_806.000_tot" table from column 9 ...)

Azimuth (deg)	Elevation 120 deg (dB)	Elevation 135 deg (dB)	Elevation 150 deg (dB)	Elevation 165 deg (dB)
0.00	-4.88	-1.59	-0.88	-3.24
15.00	-5.79	-2.56	-1.24	-3.41
30.00	-9.31	-4.55	-2.02	-3.68
45.00	-12.68	-6.12	-2.60	-3.80
60.00	-9.10	-5.05	-2.51	-3.87
75.00	-6.51	-3.56	-2.26	-4.01
90.00	-6.41	-3.03	-2.39	-4.41
105.00	-7.81	-3.90	-2.79	-5.41
120.00	-8.77	-5.31	-3.53	-6.46
135.00	-6.57	-5.38	-3.98	-7.24
150.00	-4.14	-3.89	-3.74	-7.38
165.00	-2.73	-2.61	-3.37	-7.34
180.00	-2.74	-2.07	-3.43	-7.75
195.00	-3.64	-2.64	-3.84	-9.31
210.00	-5.43	-3.78	-4.79	-11.89
225.00	-6.91	-4.80	-5.60	-13.96
240.00	-6.49	-4.88	-5.83	-12.81
255.00	-5.28	-4.31	-5.67	-10.81
270.00	-4.65	-3.95	-5.58	-9.34
285.00	-4.89	-4.50	-5.19	-8.33
300.00	-6.62	-5.29	-4.34	-7.23
315.00	-8.82	-5.05	-3.08	-5.80
330.00	-8.20	-3.49	-1.87	-4.46
360.00	-4.88	-1.59	-0.88	-3.24

Theta = 0, Phi = 0**Theta = 180, Phi = 0****Theta = 90, Phi = 0****Theta = 90, Phi = 180****Theta = 90, Phi = 270****Theta = 90, Phi = 90**