



Intermec
Technologies Corporation

Intermec Radio Group Antenna Measurement System

Manufacturer: Laird Technologies

Model No: 805-668-001 / 805-669-001

Serial No: WLAN RF Fixture

Operator: Paul Hulett

Test Method: Two-Axis Dual-Polarization Pattern Measurement

Type: PIFA

Date: 11/10/2010

Summary Page

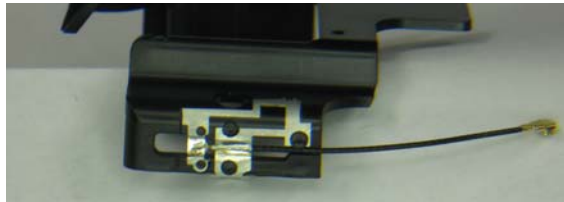
Total	Frequency (MHz)	2300	2325	2350	2375	2400	2425
	Peak Gain (dBi)	-0.345084	-1.44398	-1.6676	-0.507169	-0.625753	-0.44735
	Average Gain (dBi)	-4.88994	-5.40574	-4.83146	-3.93937	-4.38984	-3.97888

Total	Frequency (MHz)	2450	2475	2500	4850	4900	4925
	Peak Gain (dBi)	-0.136422	0.45594	0.759585	0.458136	0.836749	2.30239
	Average Gain (dBi)	-3.89773	-3.74346	-3.66533	-7.38381	-7.00177	-5.62079

Total	Frequency (MHz)	4850	4975	5000	5025	5050	5075
	Peak Gain (dBi)	2.51307	3.48674	3.39572	3.347	3.33178	3.76377
	Average Gain (dBi)	-5.17604	-4.10752	-4.10031	-4.20699	-4.25084	-3.85781

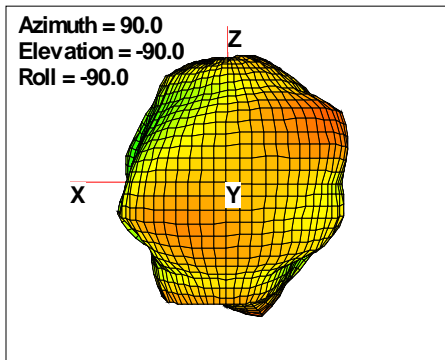
Total	Frequency (MHz)	5100	5200	5300	5400	5500	5600
	Peak Gain (dBi)	4.19332	4.22192	3.28149	3.02791	4.39001	4.46317
	Average Gain (dBi)	-3.43927	-2.86321	-3.90969	-4.06705	-3.21063	-2.89061

Total	Frequency (MHz)	5700	5825	5900	6000		
	Peak Gain (dBi)	3.55771	4.35932	2.80817	2.26709		
	Average Gain (dBi)	-3.2855	-2.57438	-4.28012	-4.59595		

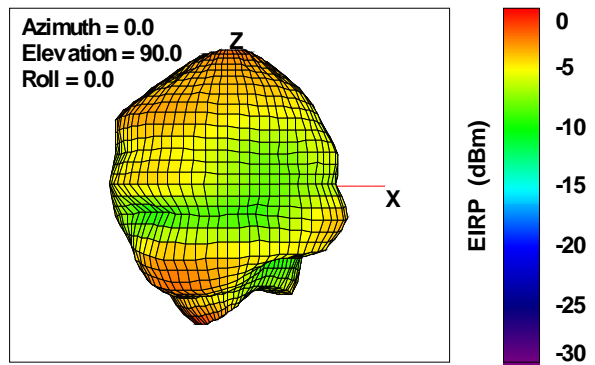


WAN Free-Space Total EIRP, 2300 MHz

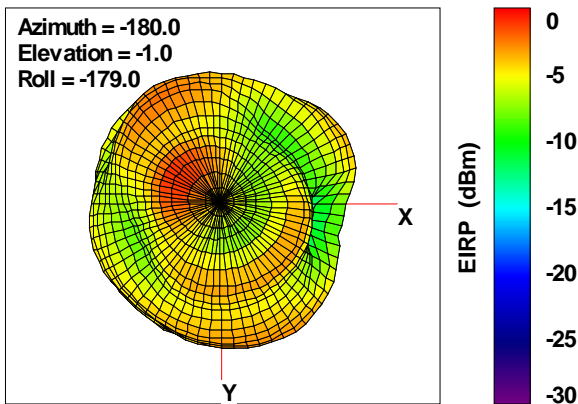
Total EIRP, Right Side View



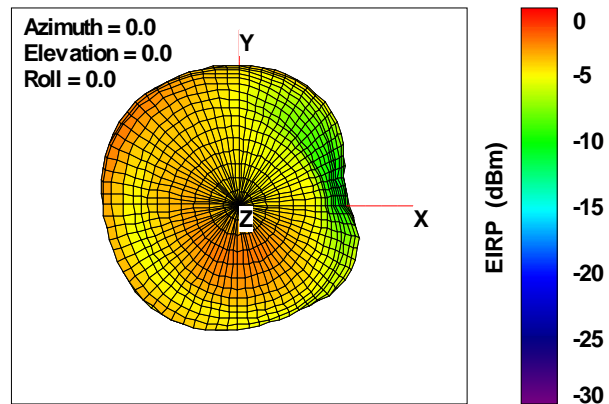
Total EIRP, Left Side View



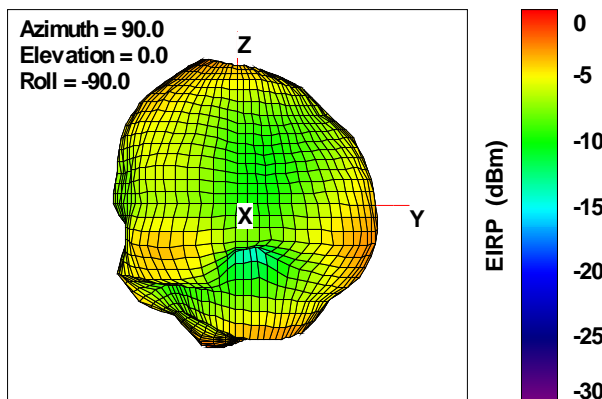
Total EIRP, Bottom View



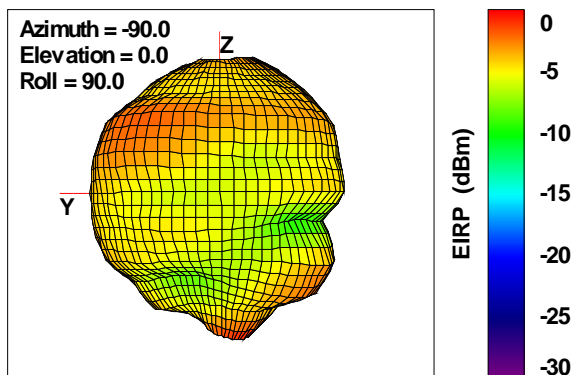
Total EIRP, Top View



Total EIRP, Front Face View

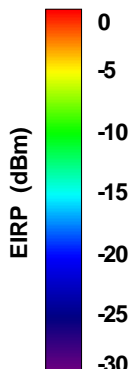
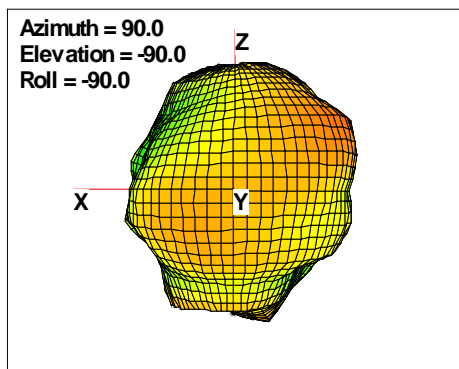


Total EIRP, Back Face View

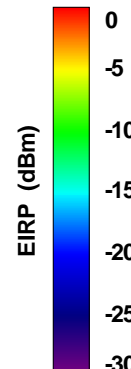
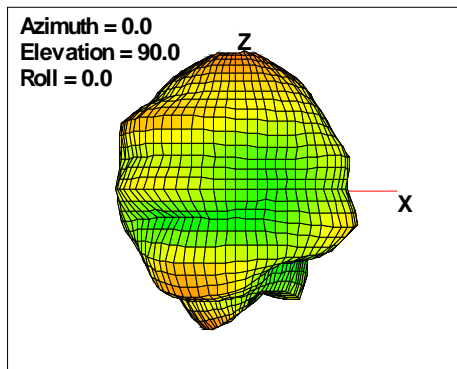


WAN Free-Space Total EIRP, 2325 MHz

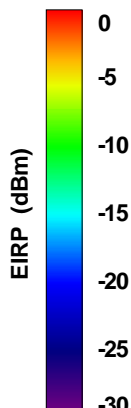
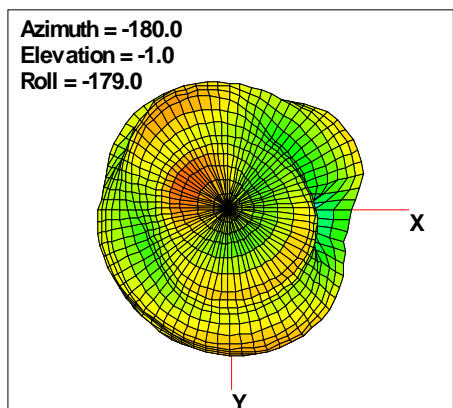
Total EIRP, Right Side View



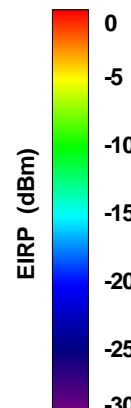
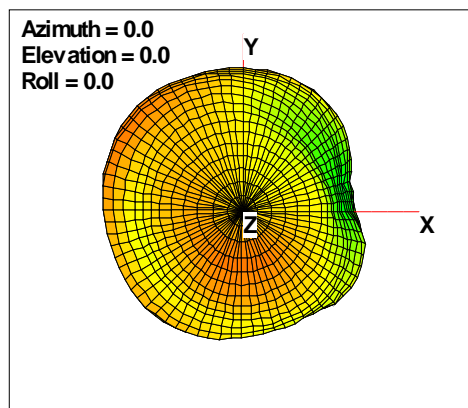
Total EIRP, Left Side View



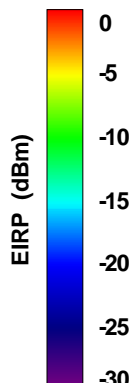
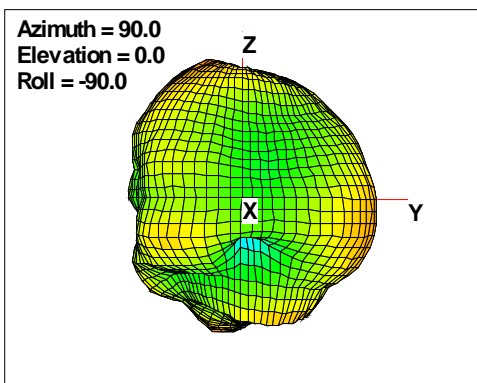
Total EIRP, Bottom View



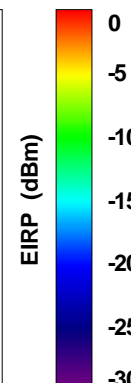
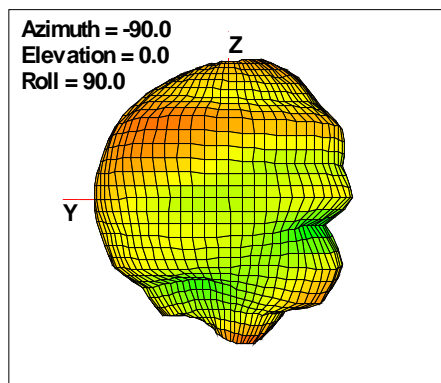
Total EIRP, Top View



Total EIRP, Front Face View

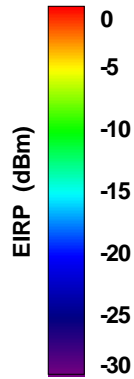
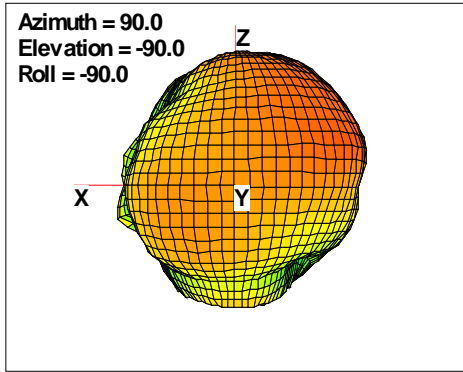


Total EIRP, Back Face View

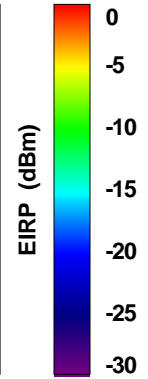
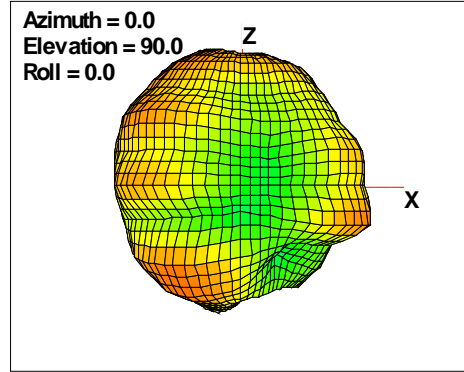


WAN Free-Space Total EIRP, 2350 MHz

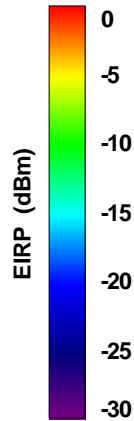
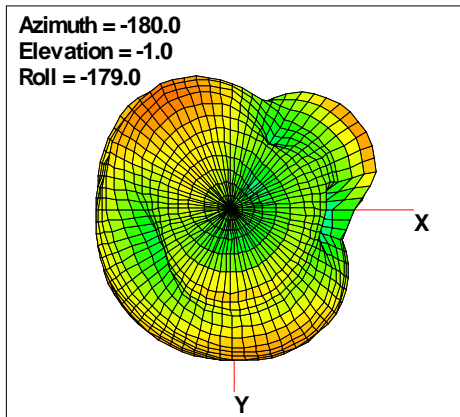
Total EIRP, Right Side View



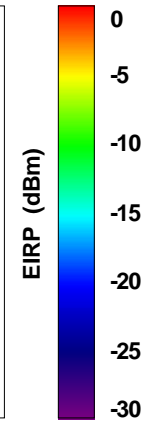
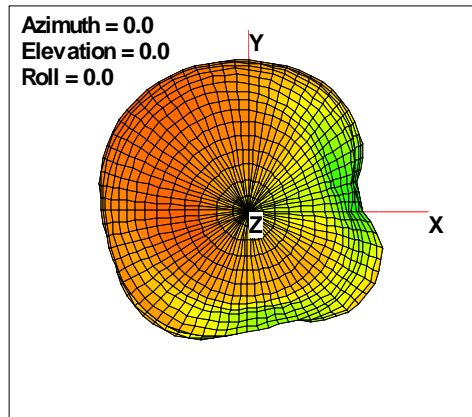
Total EIRP, Left Side View



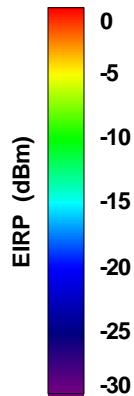
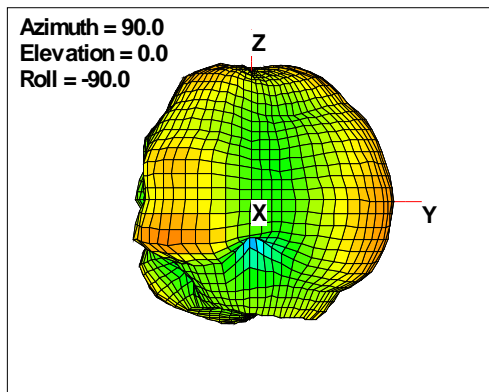
Total EIRP, Bottom View



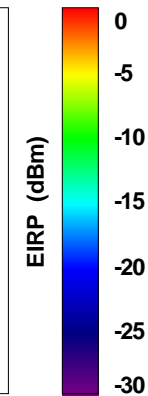
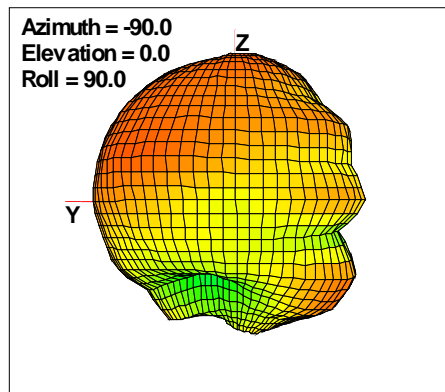
Total EIRP, Top View



Total EIRP, Front Face View

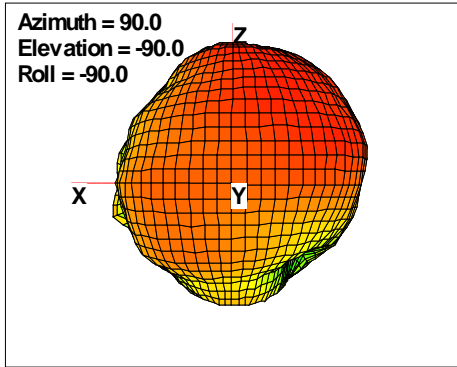


Total EIRP, Back Face View

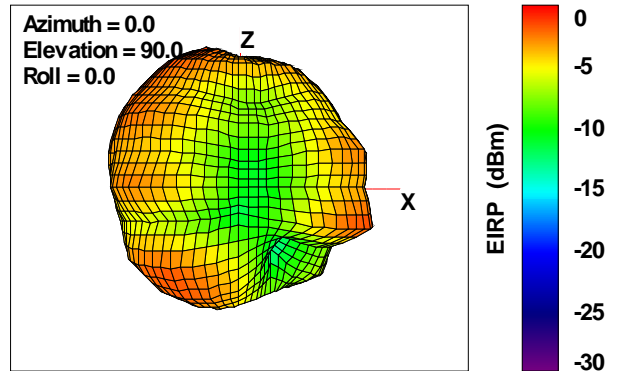


WAN Free-Space Total EIRP, 2375MHz

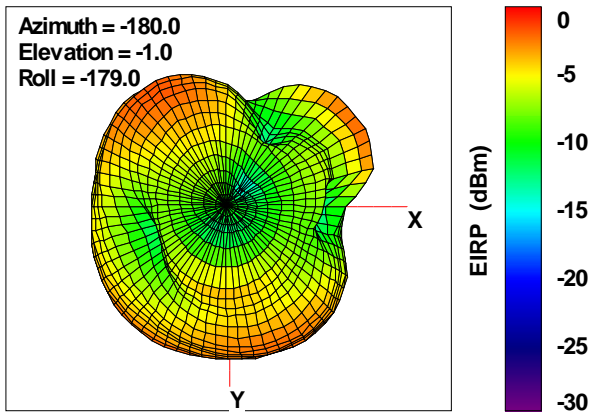
Total EIRP, Right Side View



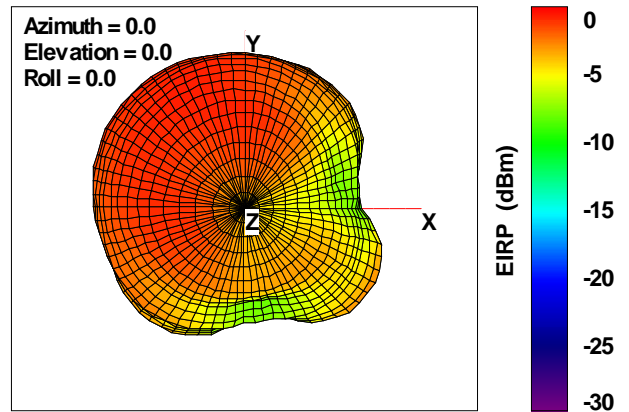
Total EIRP, Left Side View



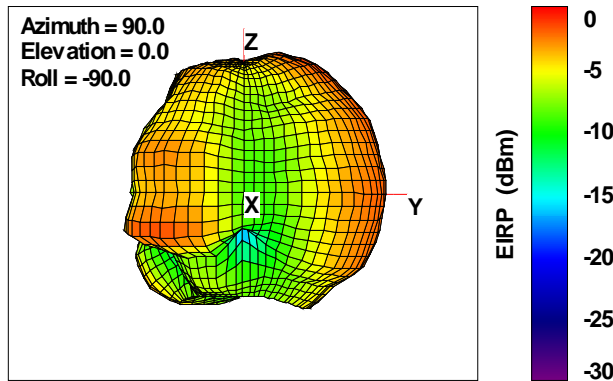
Total EIRP, Bottom View



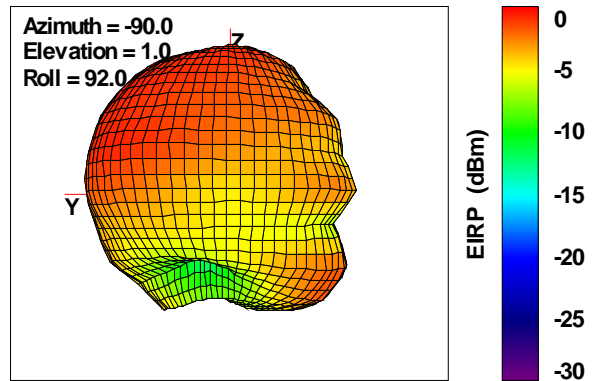
Total EIRP, Top View



Total EIRP, Front Face View

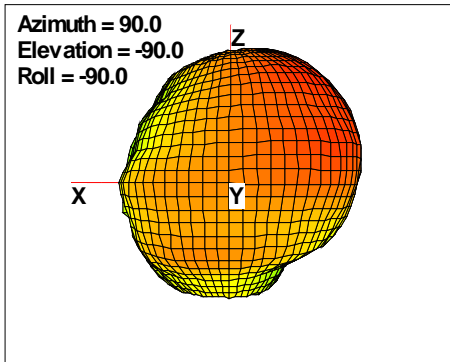


Total EIRP, Back Face View

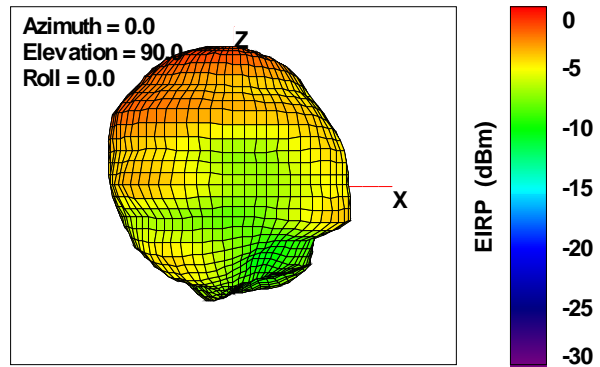


WAN Free-Space Total EIRP, 2400MHz

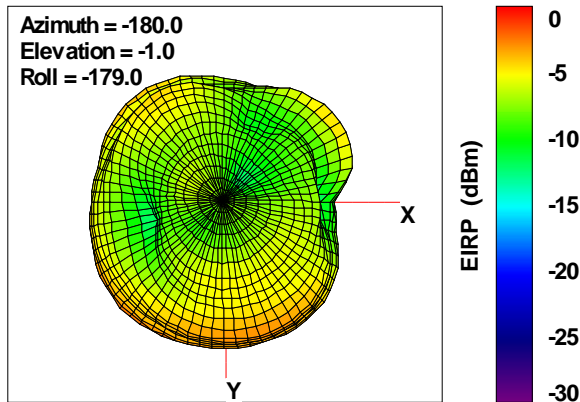
Total EIRP, Right Side View



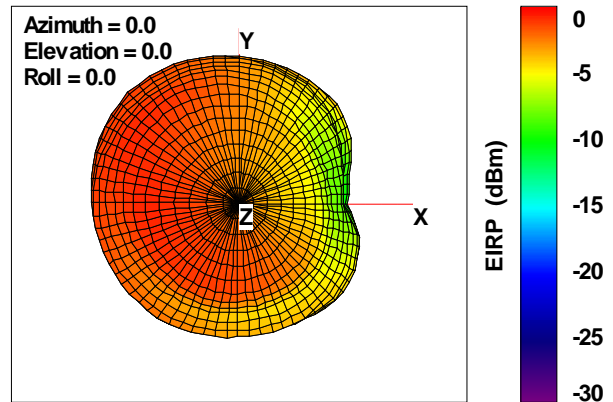
Total EIRP, Left Side View



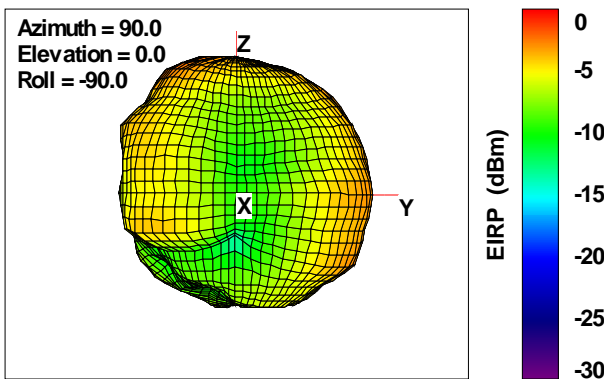
Total EIRP, Bottom View



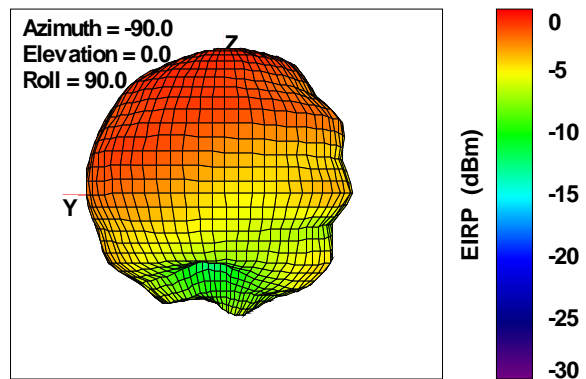
Total EIRP, Top View



Total EIRP, Front Face View

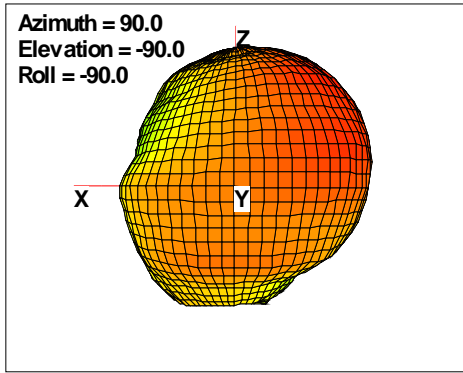


Total EIRP, Back Face View

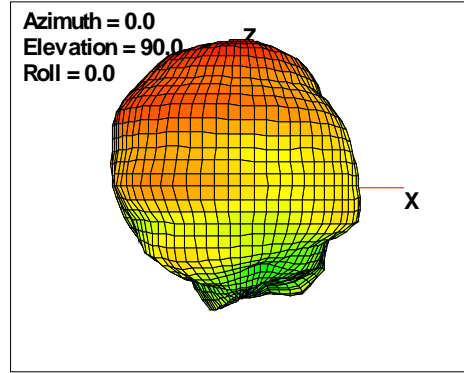


WAN Free-Space Total EIRP, 2425MHz

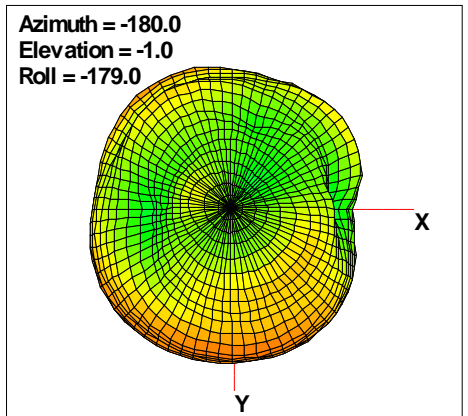
Total EIRP, Right Side View



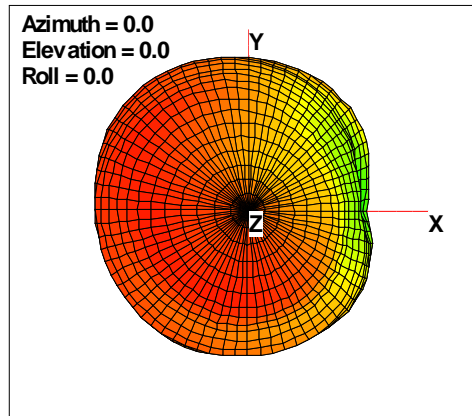
Total EIRP, Left Side View



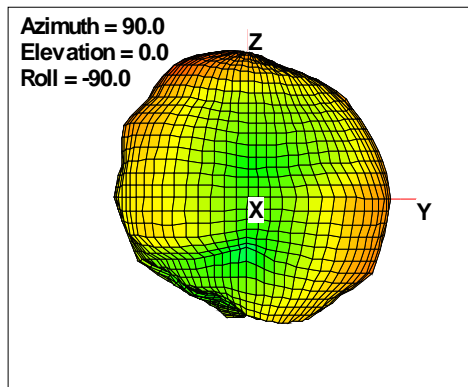
Total EIRP, Bottom View



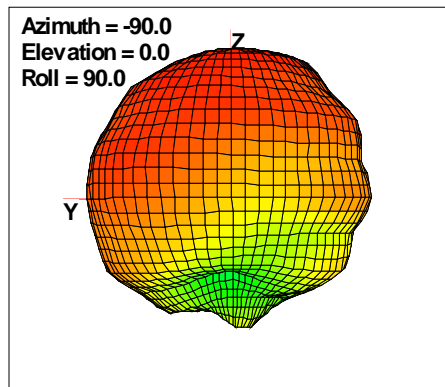
Total EIRP, Top View



Total EIRP, Front Face View

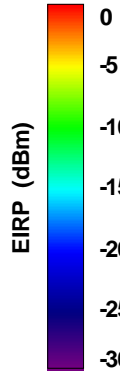
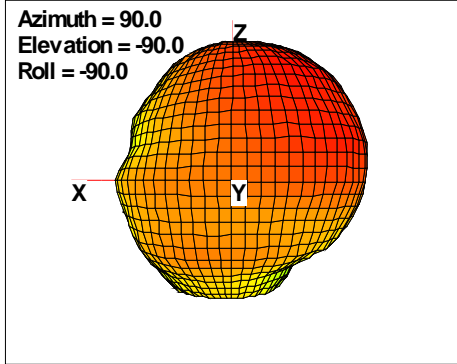


Total EIRP, Back Face View

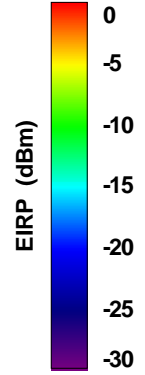
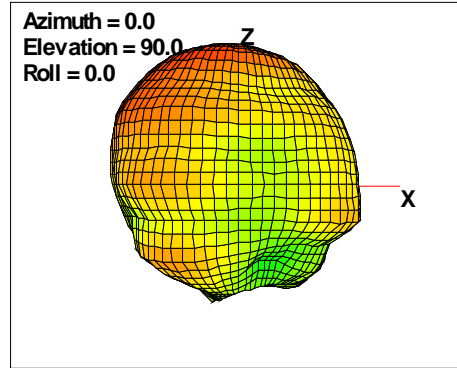


WAN Free-Space Total EIRP, 2450MHz

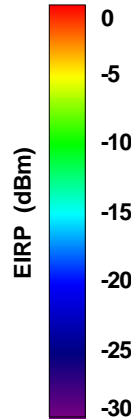
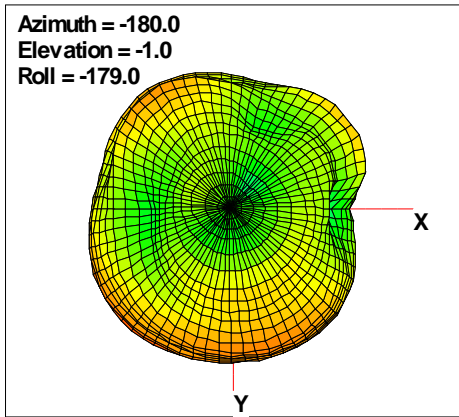
Total ERP, Right Side View



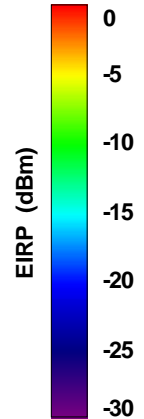
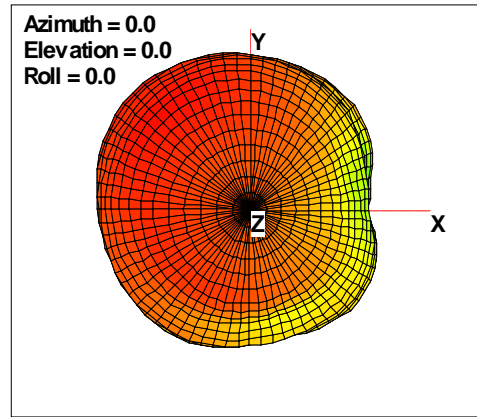
Total ERP, Left Side View



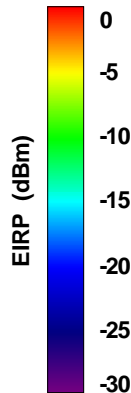
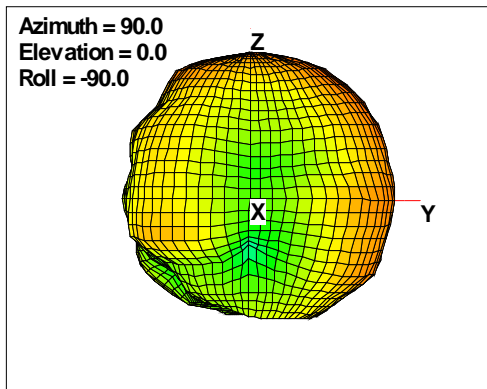
Total ERP, Bottom View



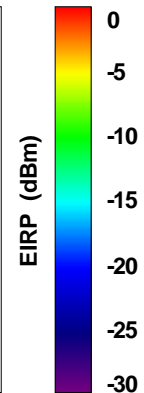
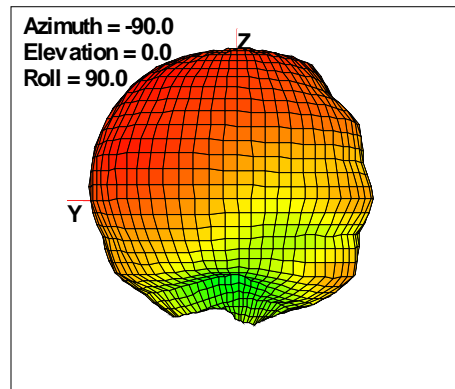
Total ERP, Top View



Total ERP, Front Face View

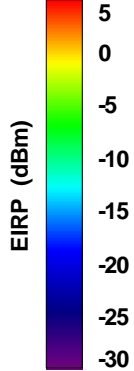
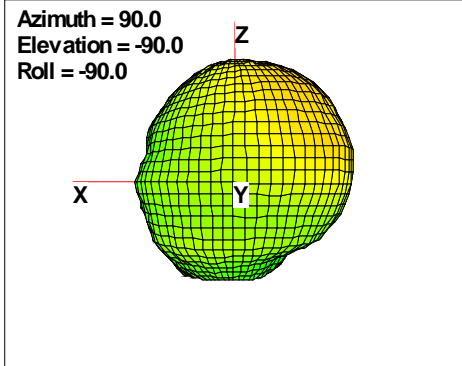


Total ERP, Back Face View

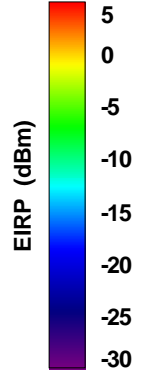
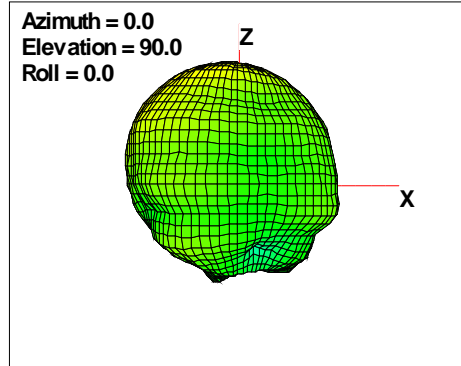


WAN Free-Space Total EIRP, 2475MHz

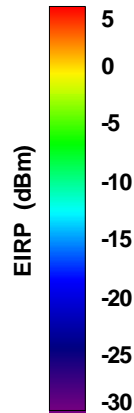
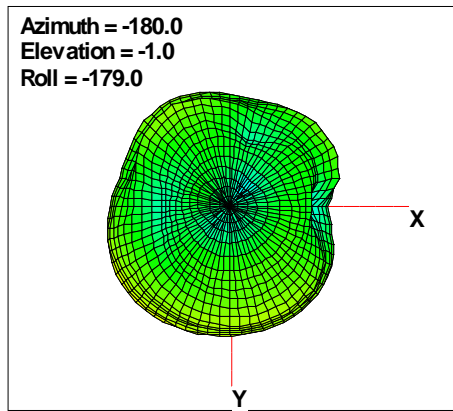
Total EIRP, Right Side View



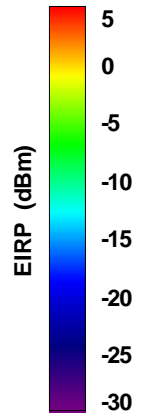
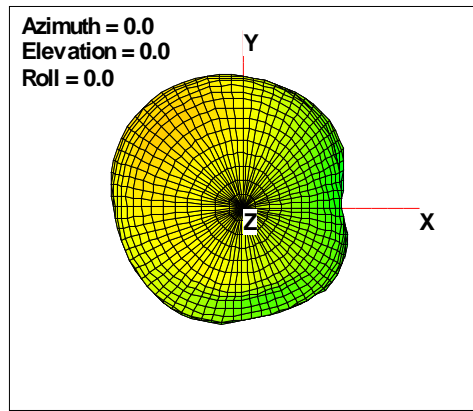
Total EIRP, Left Side View



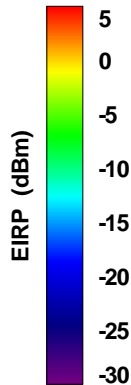
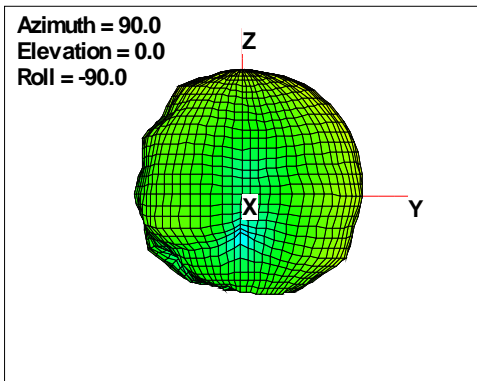
Total EIRP, Bottom View



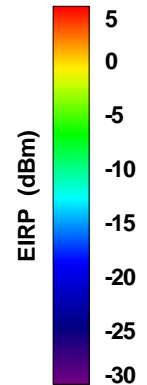
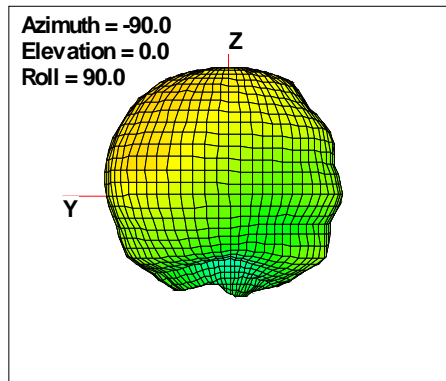
Total EIRP, Top View



Total EIRP, Front Face View

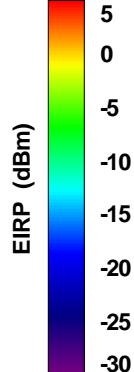
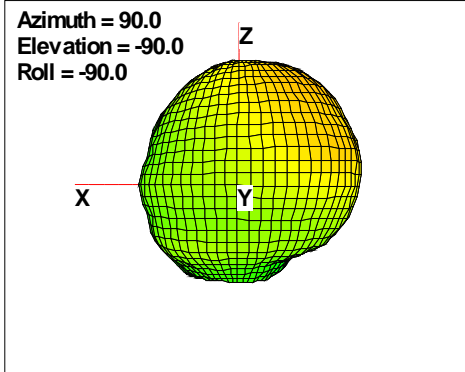


Total EIRP, Back Face View

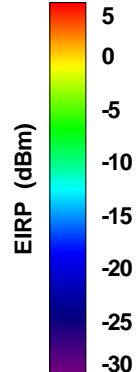
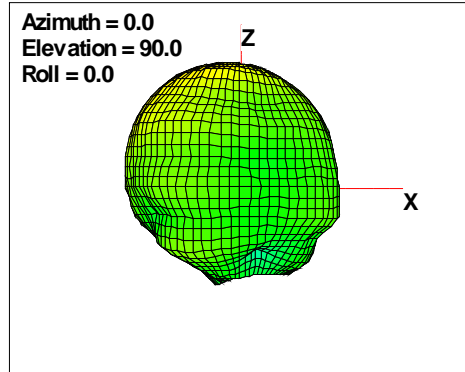


WAN Free-Space Total EIRP, 2500MHz

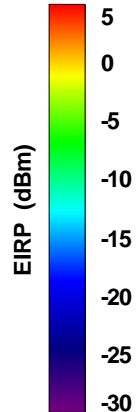
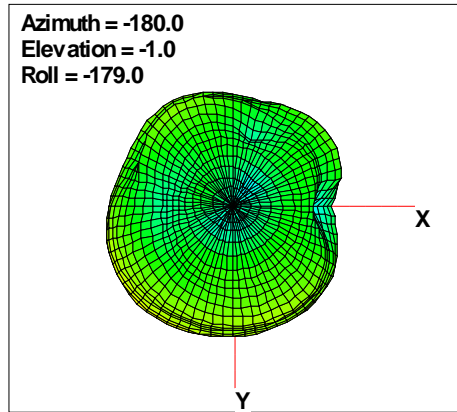
Total EIRP, Right Side View



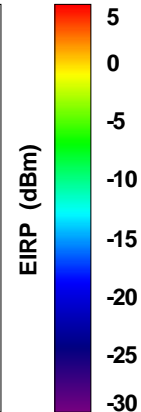
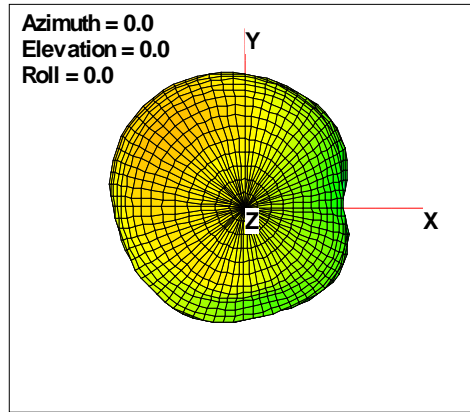
Total EIRP, Left Side View



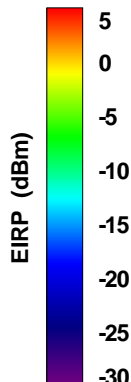
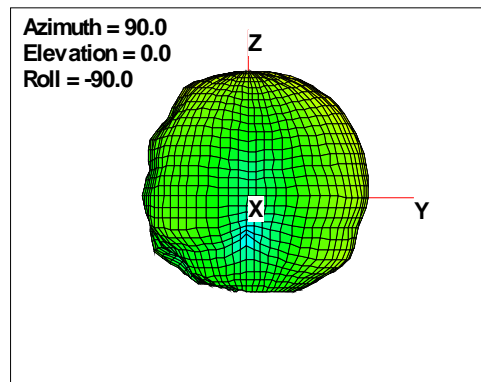
Total EIRP, Bottom View



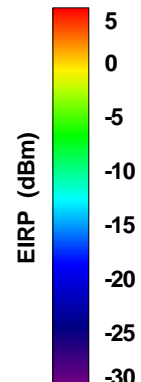
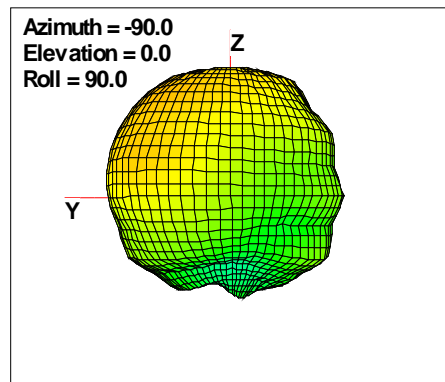
Total EIRP, Top View



Total EIRP, Front Face View

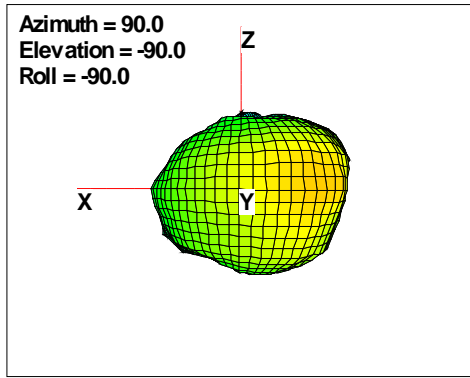


Total EIRP, Back Face View

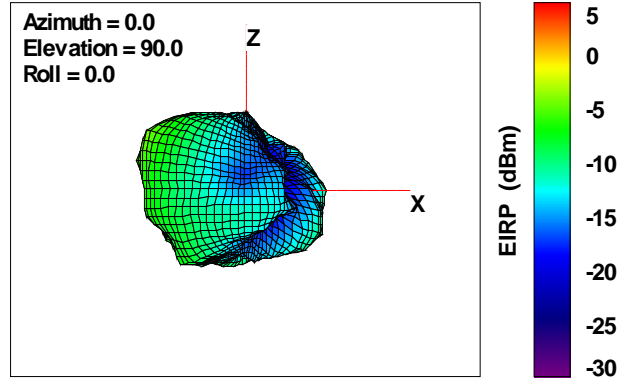


WAN Free-Space Total EIRP, 4850MHz

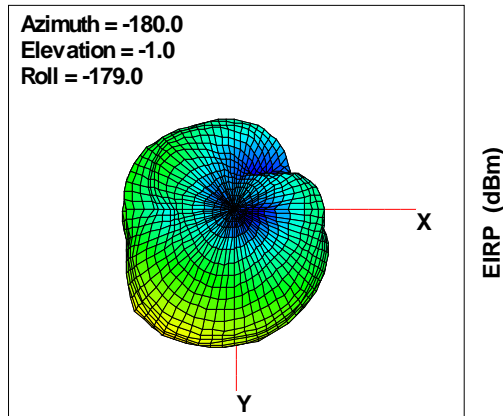
Total EIRP, Right Side View



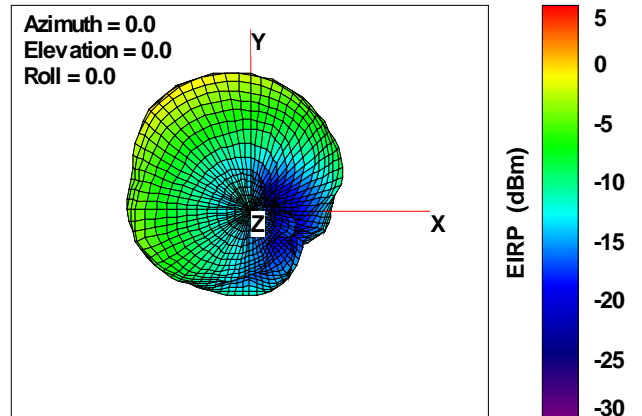
Total EIRP, Left Side View



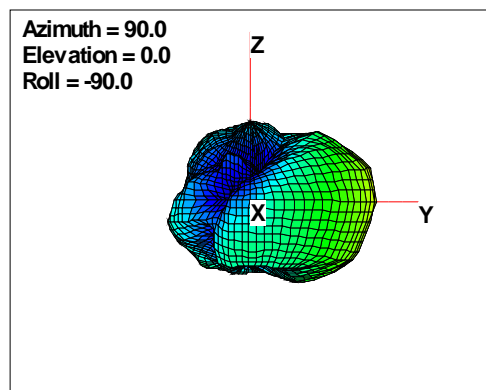
Total EIRP, Bottom View



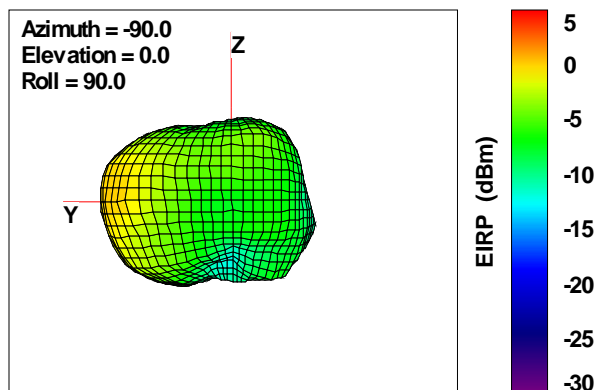
Total EIRP, Top View



Total EIRP, Front Face View

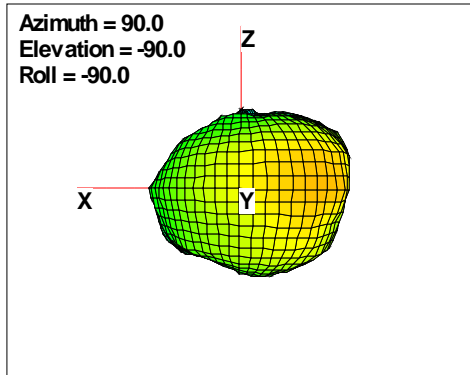


Total EIRP, Back Face View

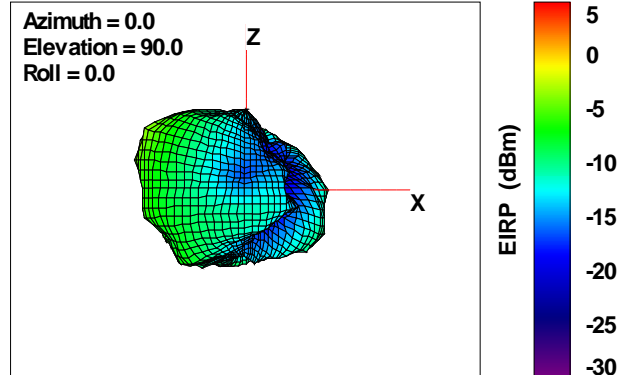


WAN Free-Space Total EIRP, 4900MHz

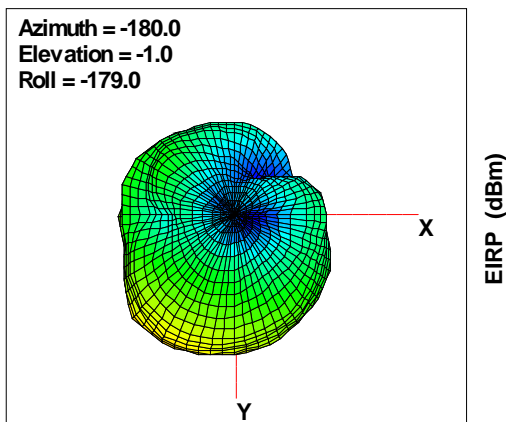
Total EIRP, Right Side View



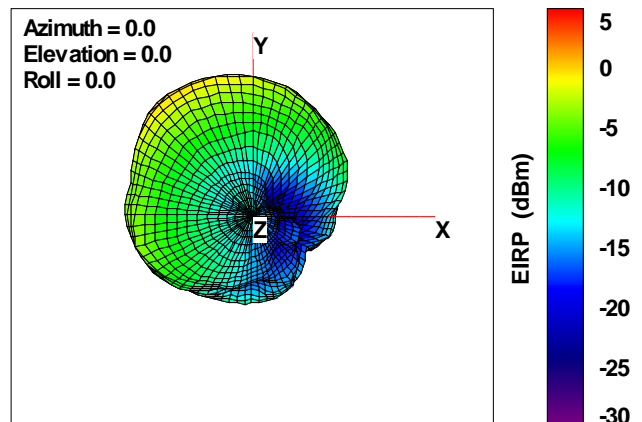
Total EIRP, Left Side View



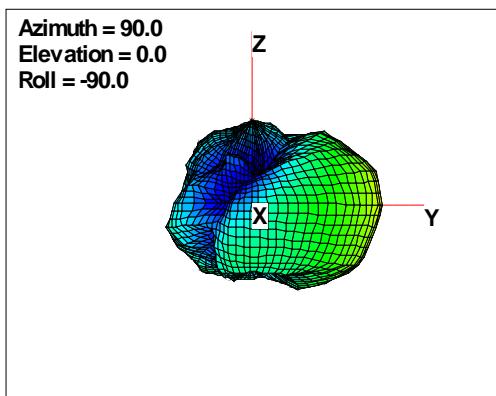
Total EIRP, Bottom View



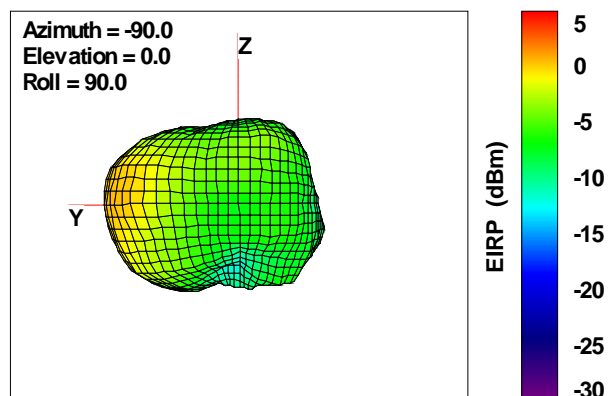
Total EIRP, Top View



Total EIRP, Front Face View

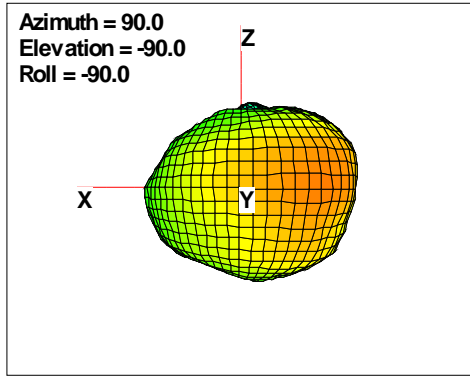


Total EIRP, Back Face View

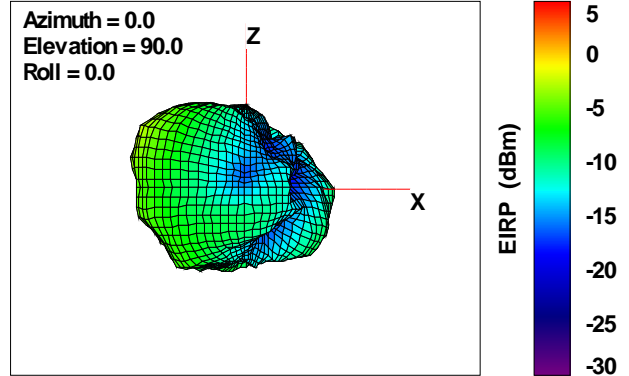


WAN Free-Space Total EIRP, 4925MHz

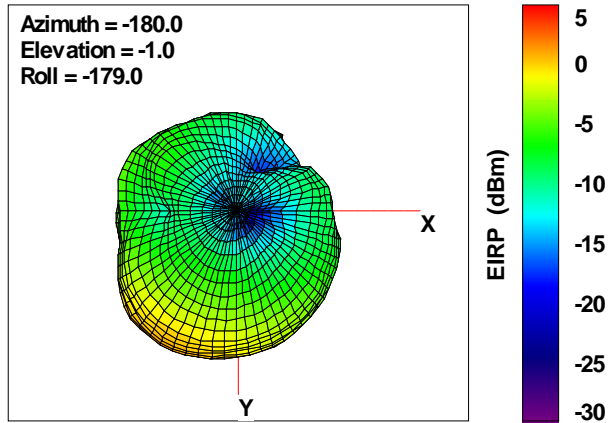
Total EIRP, Right Side View



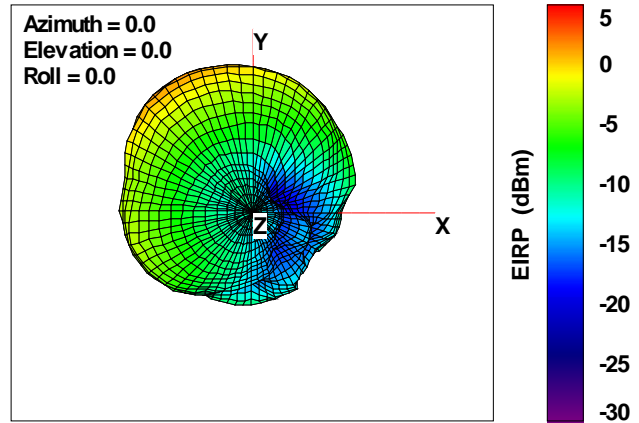
Total EIRP, Left Side View



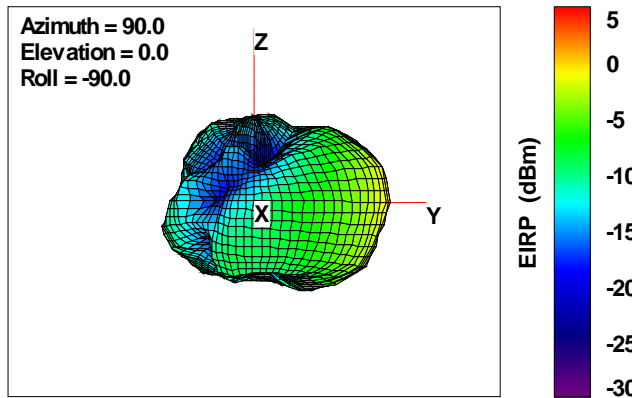
Total EIRP, Bottom View



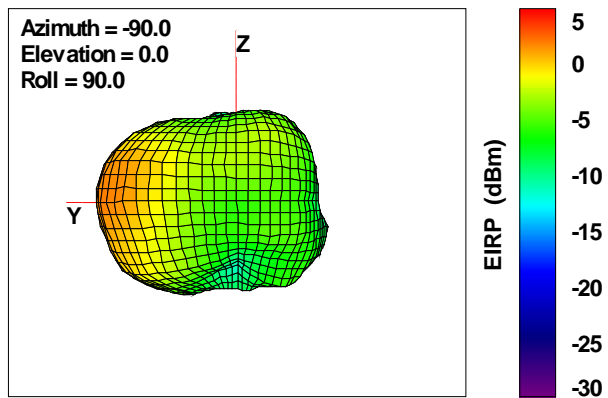
Total EIRP, Top View



Total EIRP, Front Face View

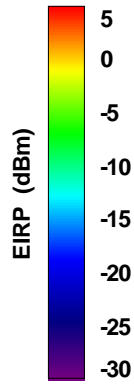
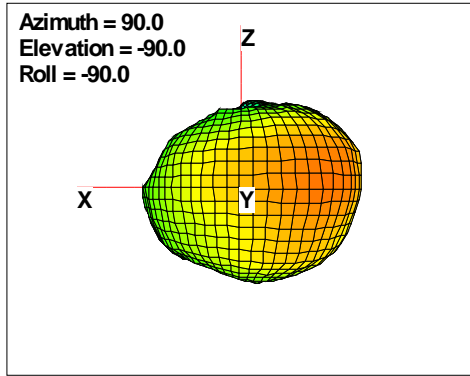


Total EIRP, Back Face View

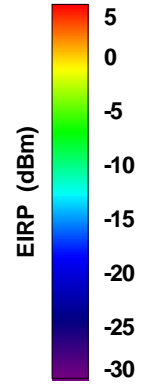
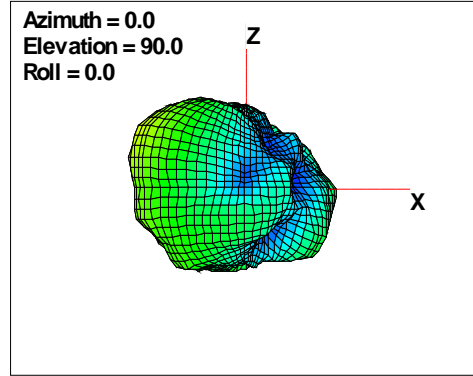


WAN Free-Space Total EIRP, 4850MHz

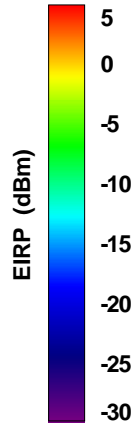
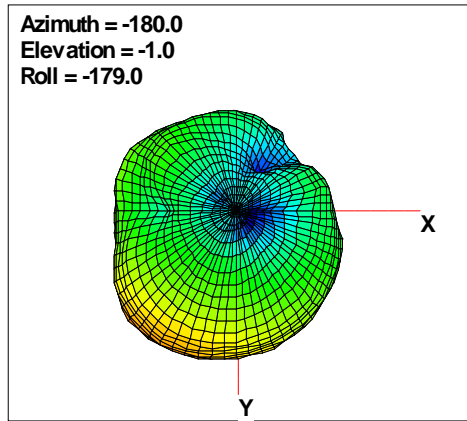
Total EIRP, Right Side View



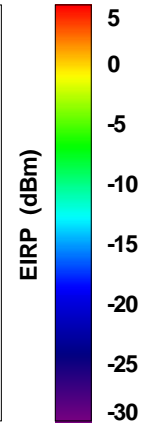
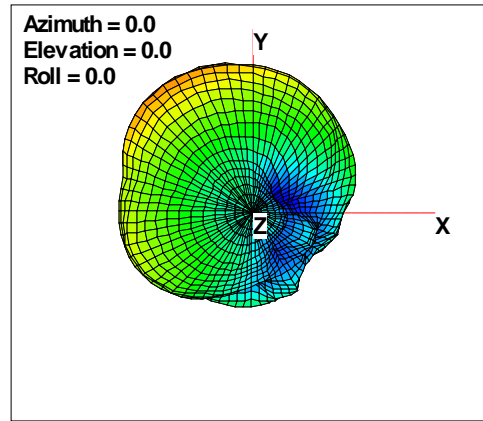
Total EIRP, Left Side View



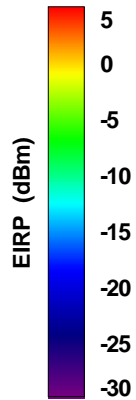
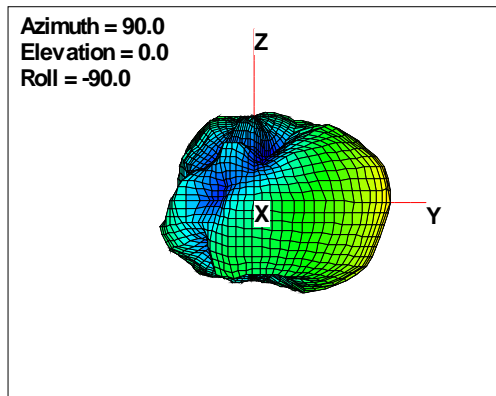
Total EIRP, Bottom View



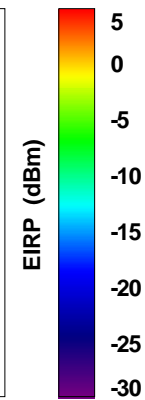
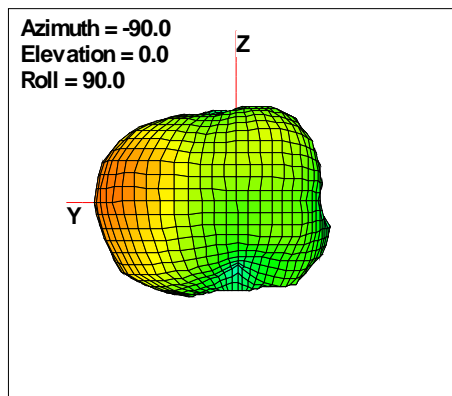
Total EIRP, Top View



Total EIRP, Front Face View

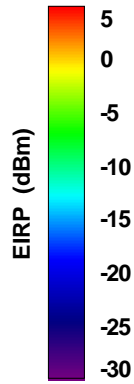
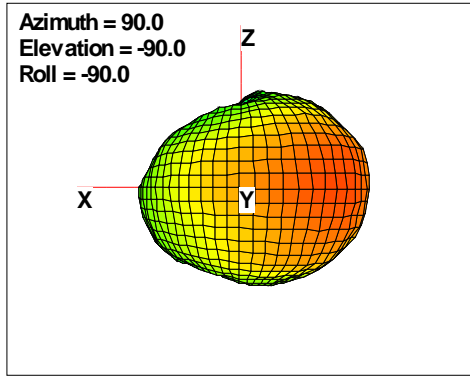


Total EIRP, Back Face View

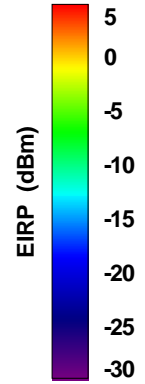
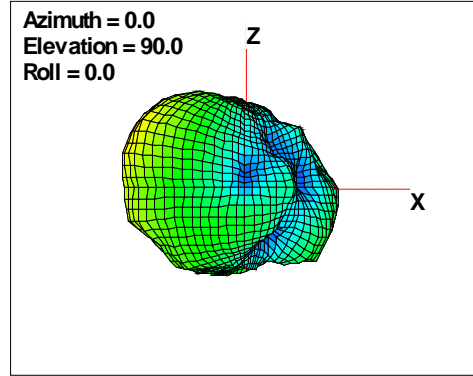


WAN Free-Space Total EIRP, 4975MHz

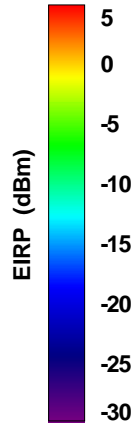
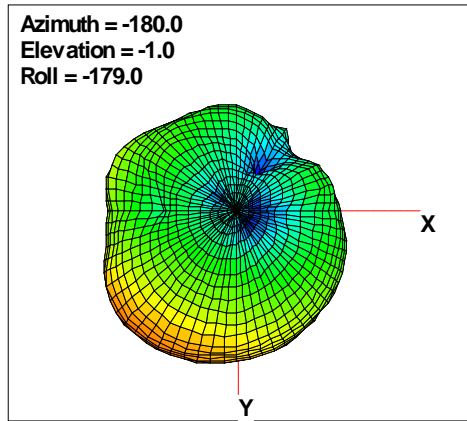
Total EIRP, Right Side View



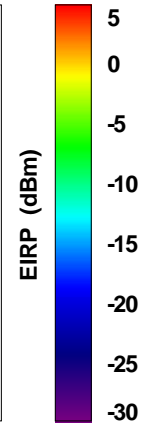
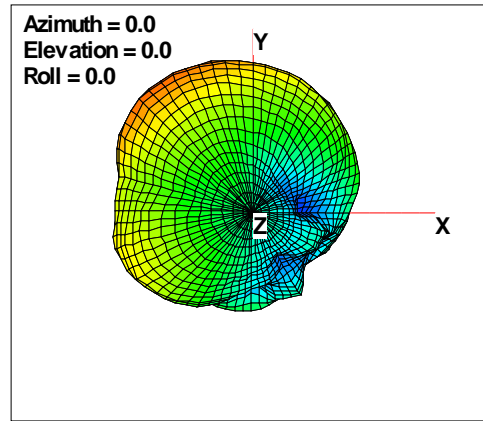
Total EIRP, Left Side View



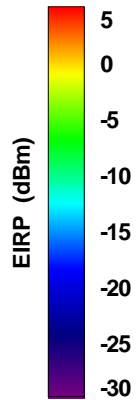
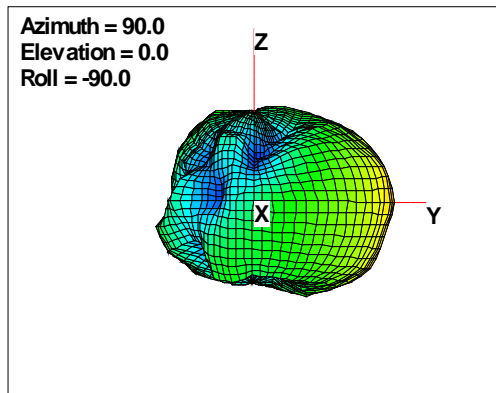
Total EIRP, Bottom View



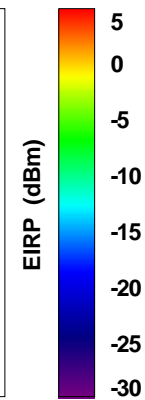
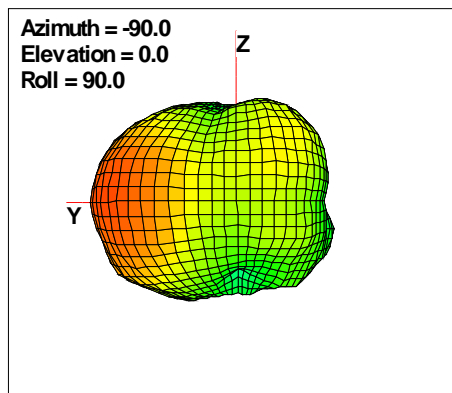
Total EIRP, Top View



Total EIRP, Front Face View

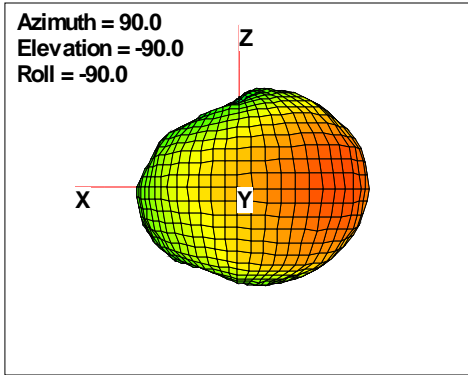


Total EIRP, Back Face View

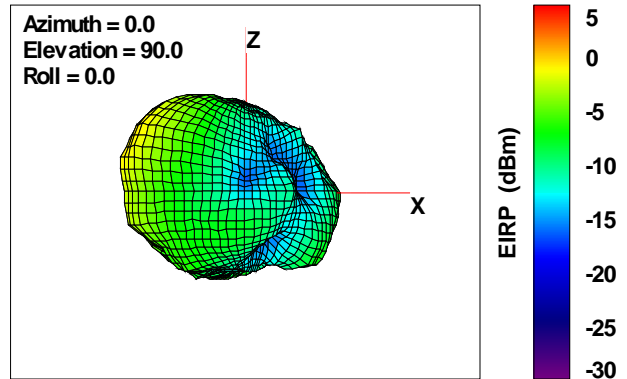


WAN Free-Space Total EIRP, 5000 MHz

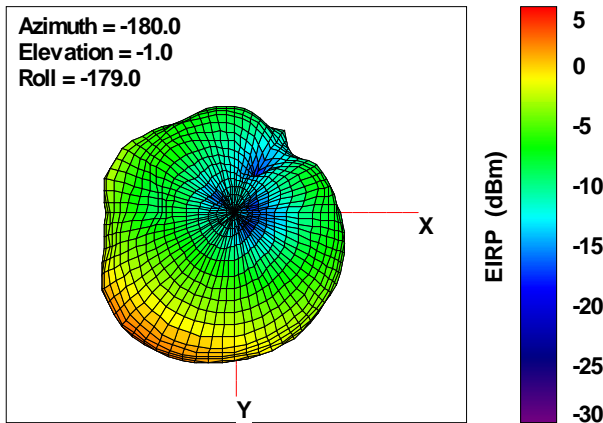
Total EIRP, Right Side View



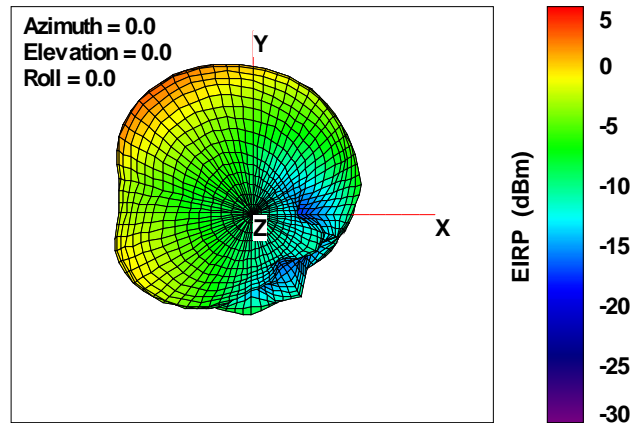
Total EIRP, Left Side View



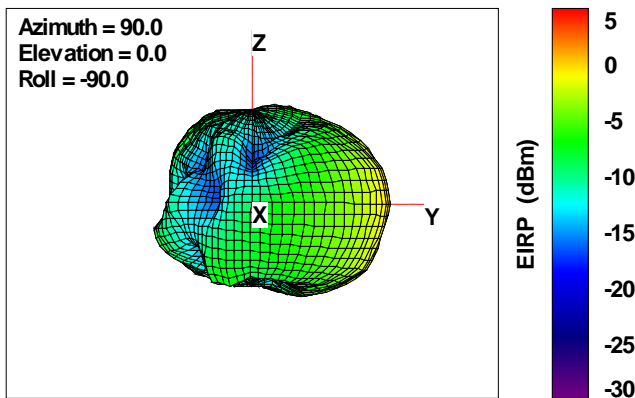
Total EIRP, Bottom View



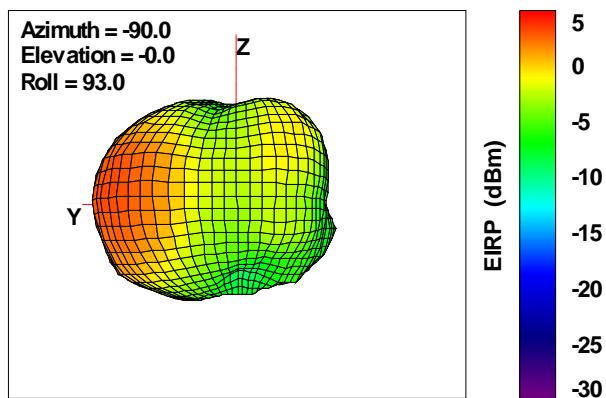
Total EIRP, Top View



Total EIRP, Front Face View

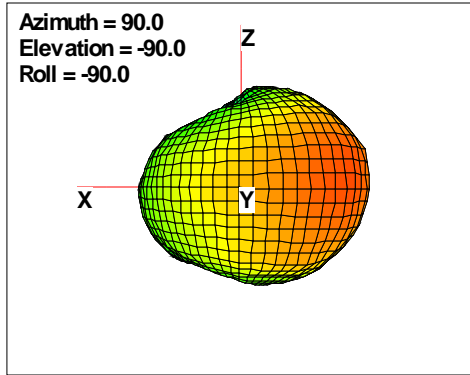


Total EIRP, Back Face View

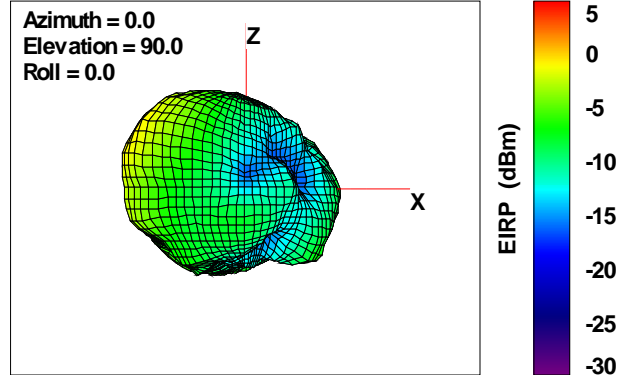


WAN Free-Space Total EIRP, 5025MHz

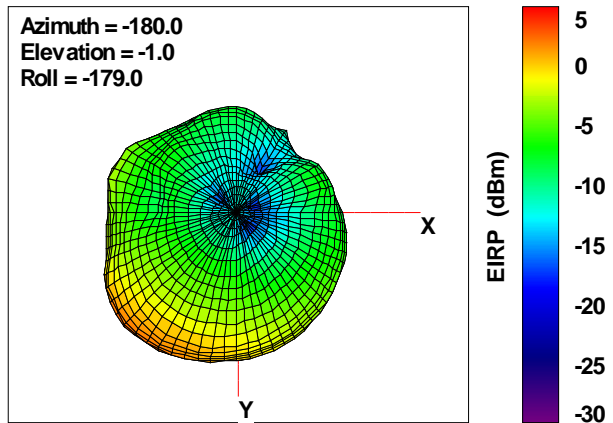
Total EIRP, Right Side View



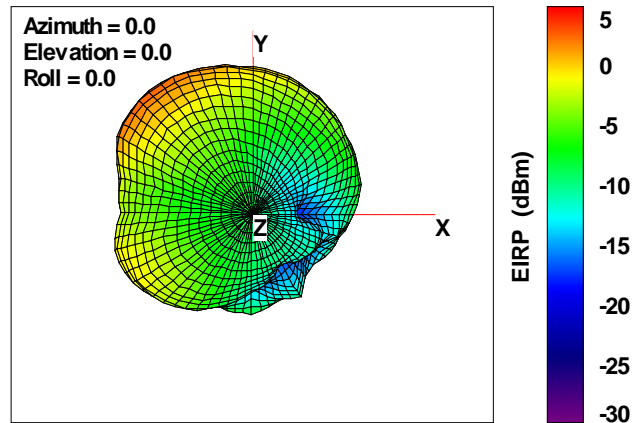
Total EIRP, Left Side View



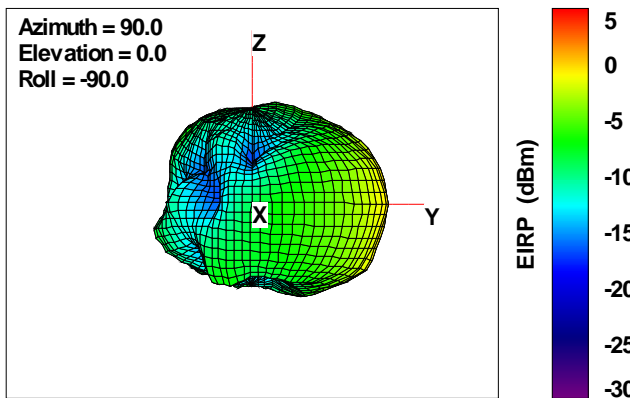
Total EIRP, Bottom View



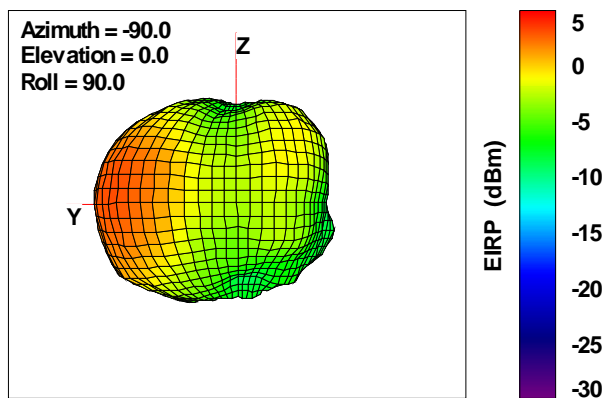
Total EIRP, Top View



Total EIRP, Front Face View

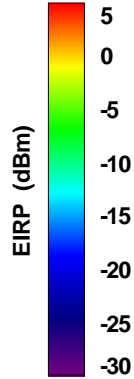
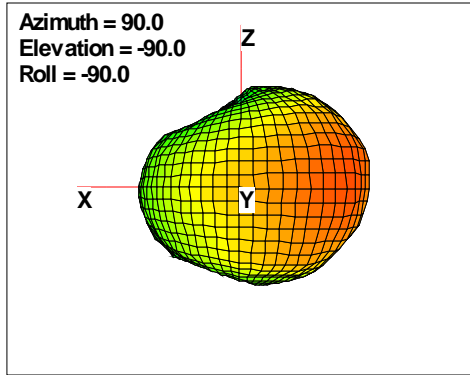


Total EIRP, Back Face View

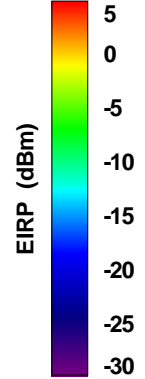
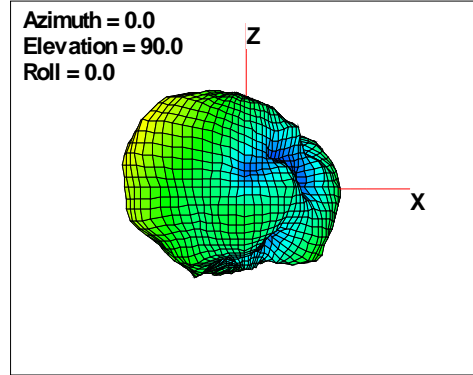


WAN Free-Space Total EIRP, 5050MHz

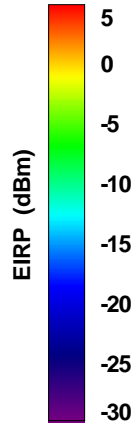
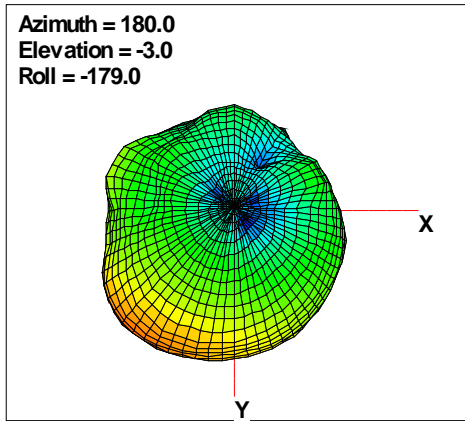
Total EIRP, Right Side View



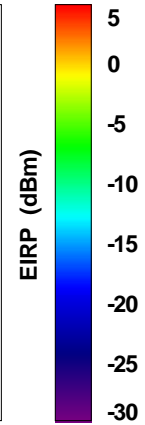
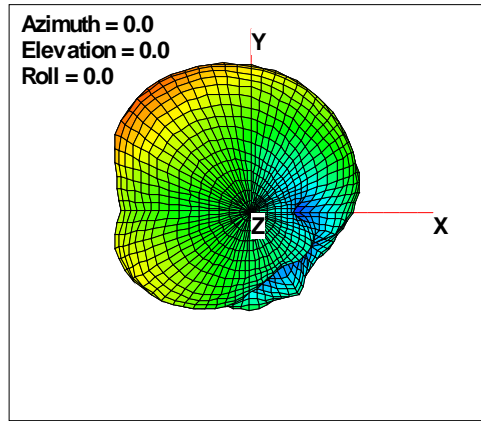
Total EIRP, Left Side View



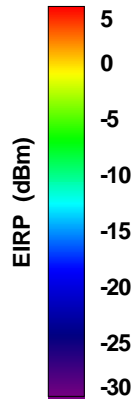
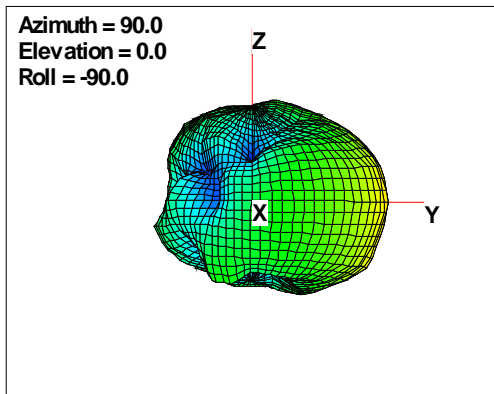
Total EIRP, Bottom View



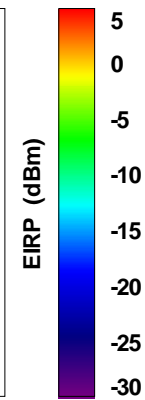
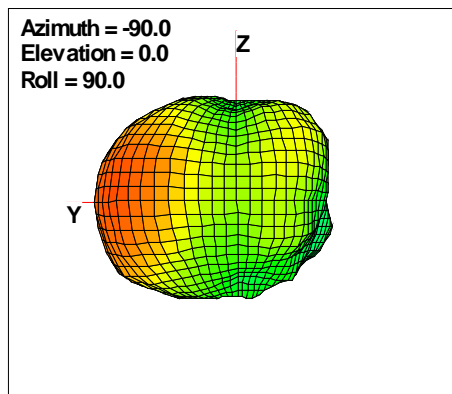
Total EIRP, Top View



Total EIRP, Front Face View

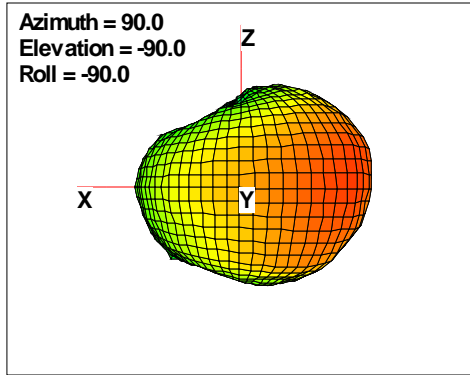


Total EIRP, Back Face View

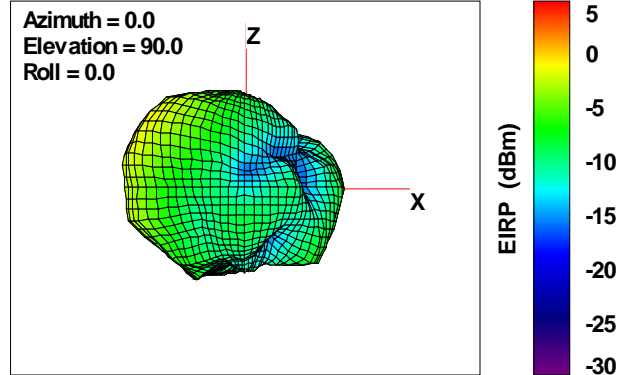


WAN Free-Space Total EIRP, 5075MHz

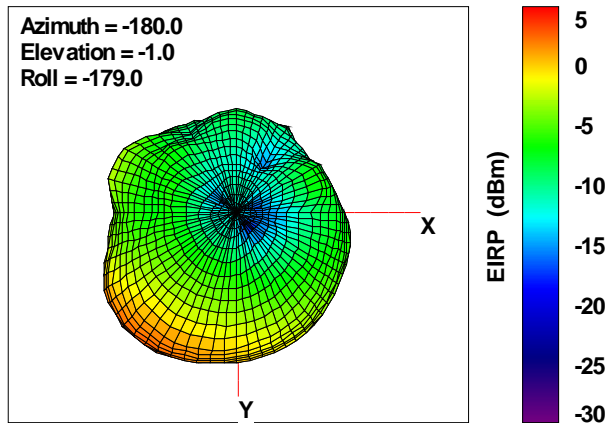
Total EIRP, Right Side View



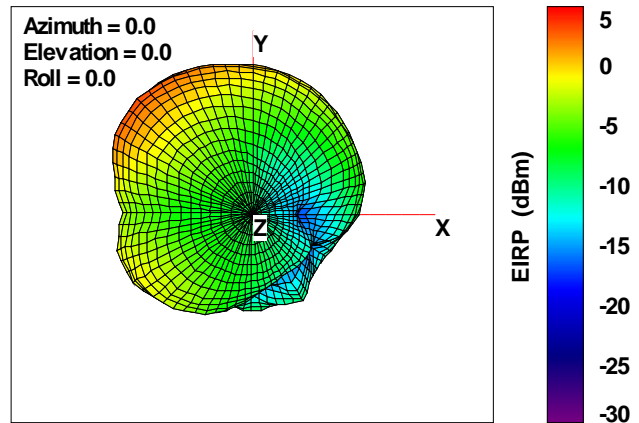
Total EIRP, Left Side View



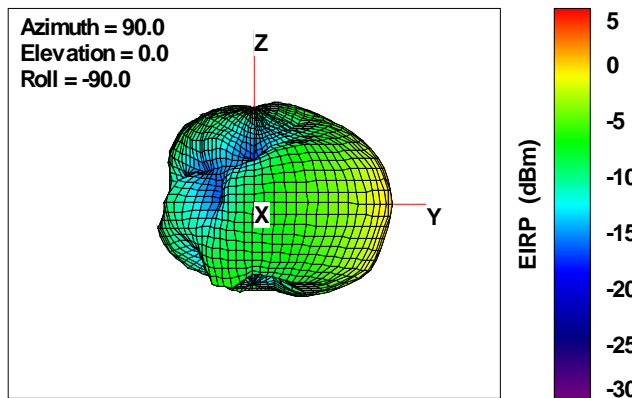
Total EIRP, Bottom View



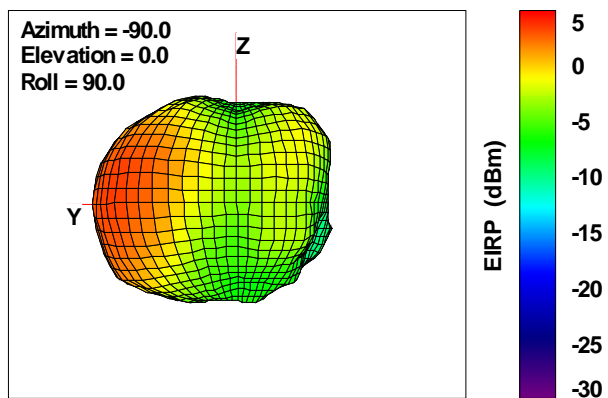
Total EIRP, Top View



Total EIRP, Front Face View

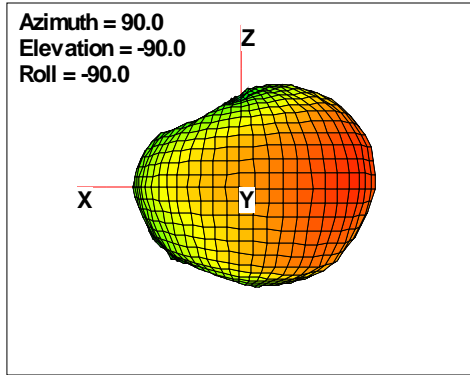


Total EIRP, Back Face View

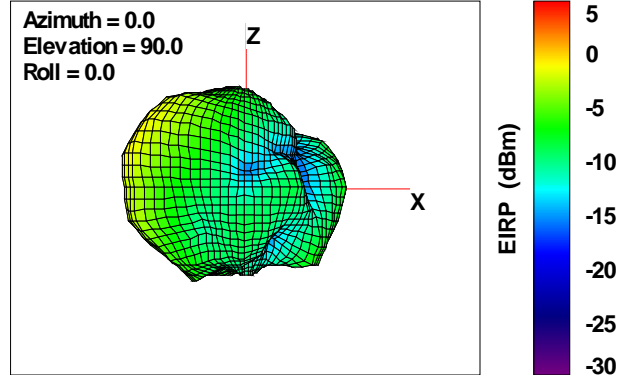


WAN Free-Space Total EIRP, 5100MHz

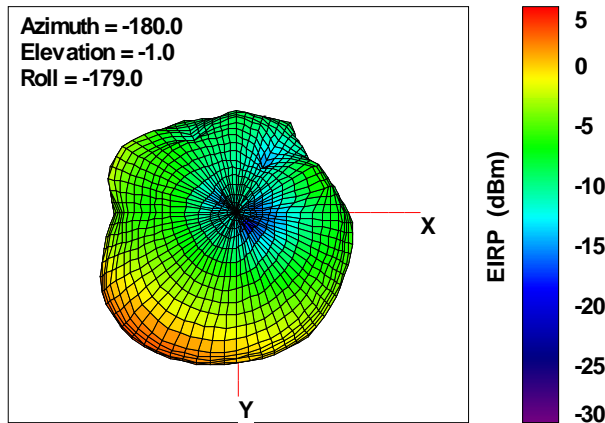
Total EIRP, Right Side View



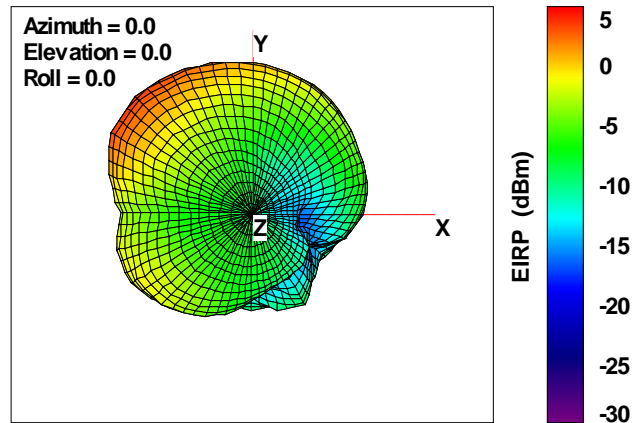
Total EIRP, Left Side View



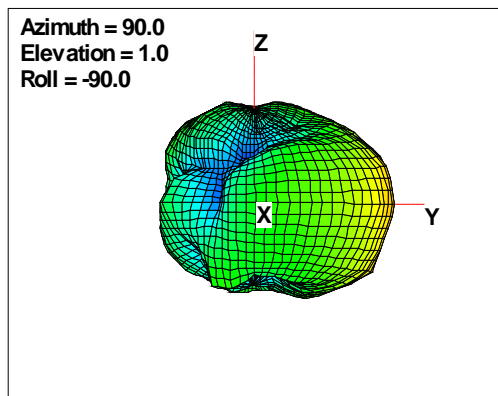
Total EIRP, Bottom View



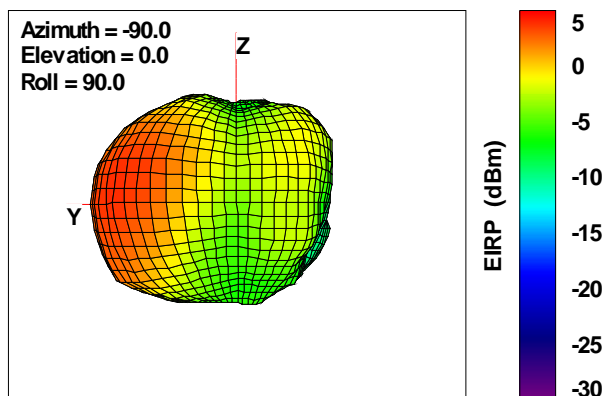
Total EIRP, Top View



Total EIRP, Front Face View

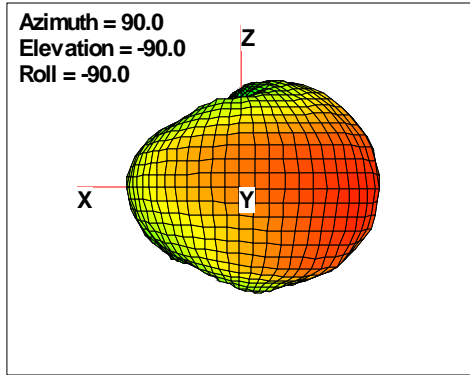


Total EIRP, Back Face View

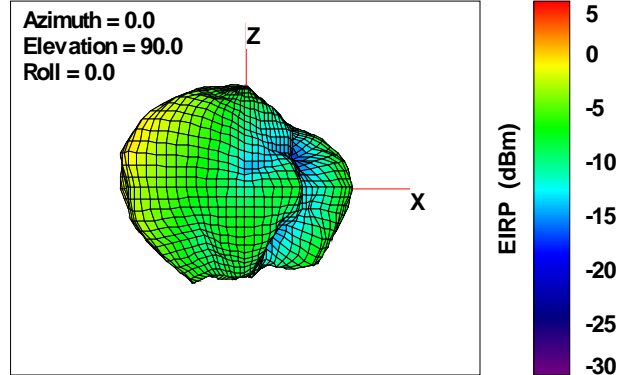


WAN Free-Space Total EIRP, 5200MHz

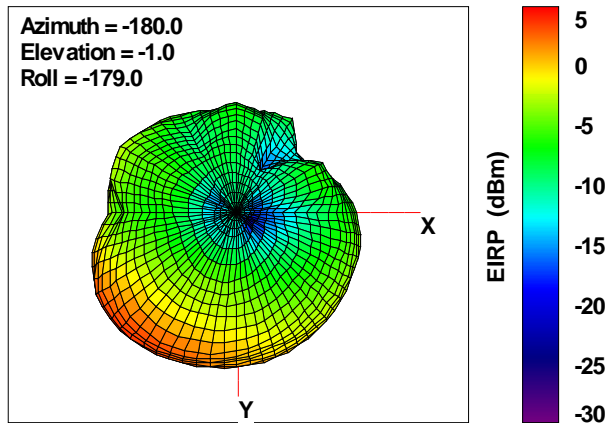
Total EIRP, Right Side View



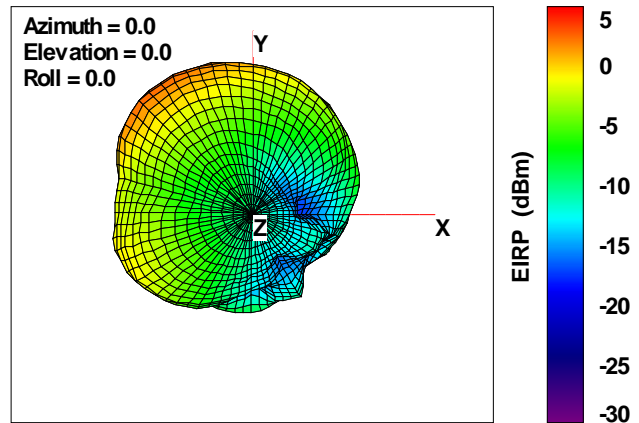
Total EIRP, Left Side View



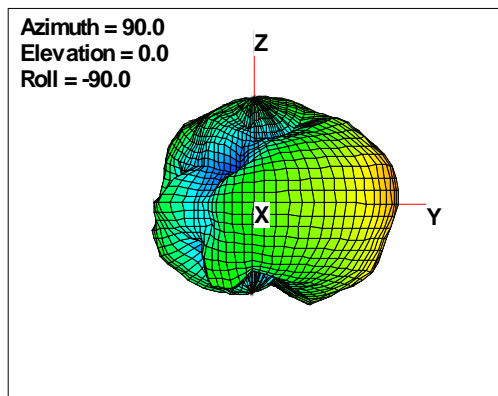
Total EIRP, Bottom View



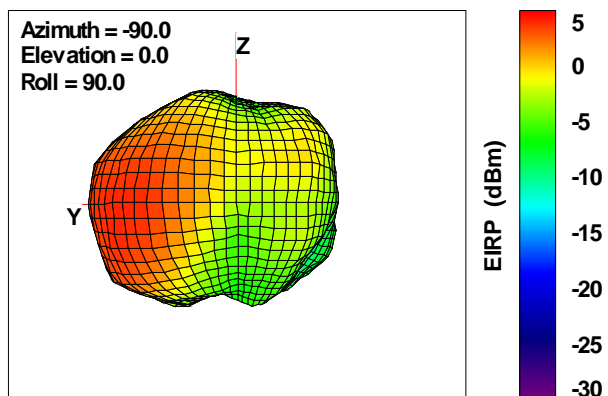
Total EIRP, Top View



Total EIRP, Front Face View

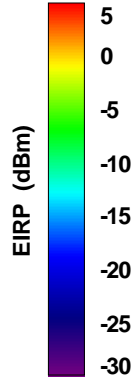
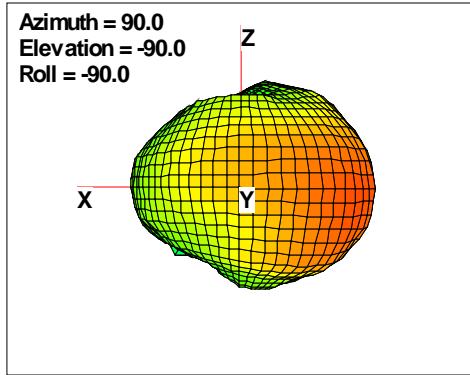


Total EIRP, Back Face View

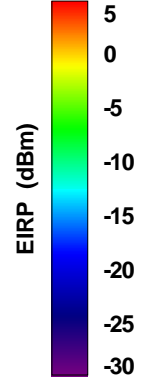
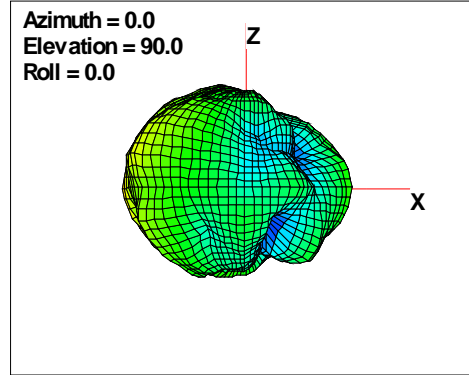


WAN Free-Space Total EIRP, 5300MHz

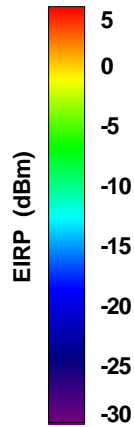
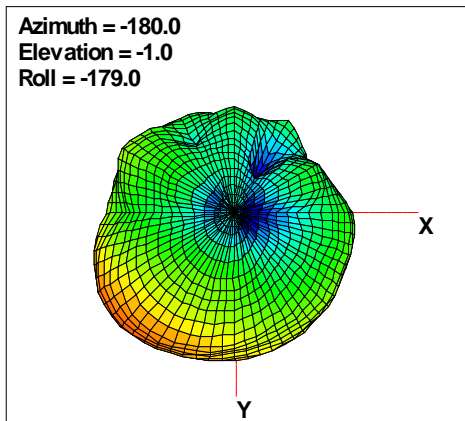
Total EIRP, Right Side View



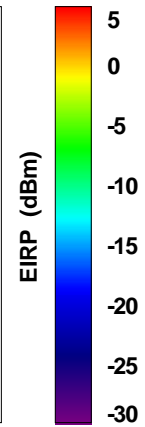
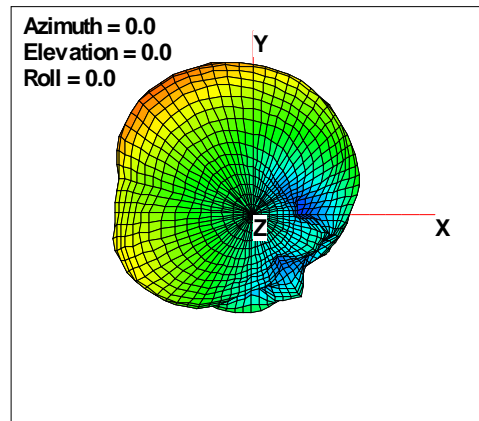
Total EIRP, Left Side View



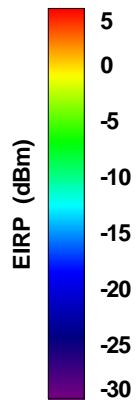
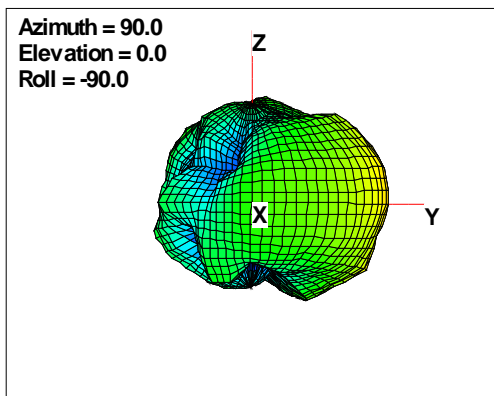
Total EIRP, Bottom View



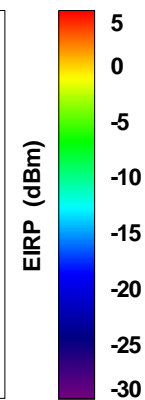
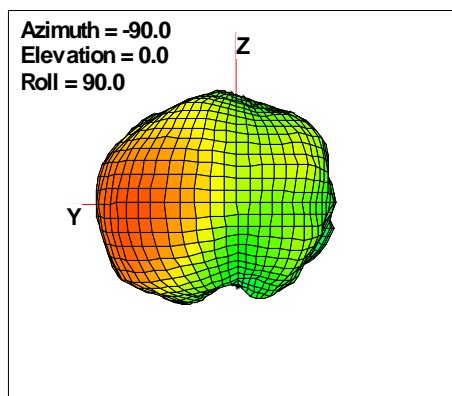
Total EIRP, Top View



Total EIRP, Front Face View

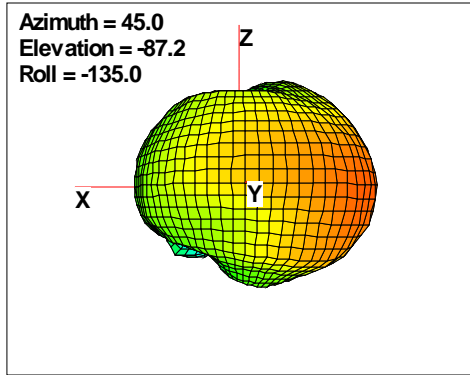


Total EIRP, Back Face View

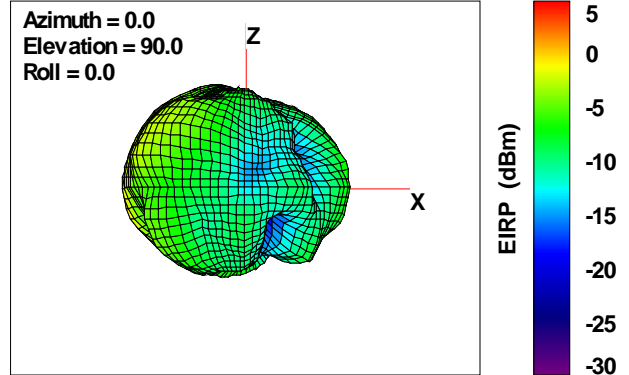


WAN Free-Space Total EIRP, 5400MHz

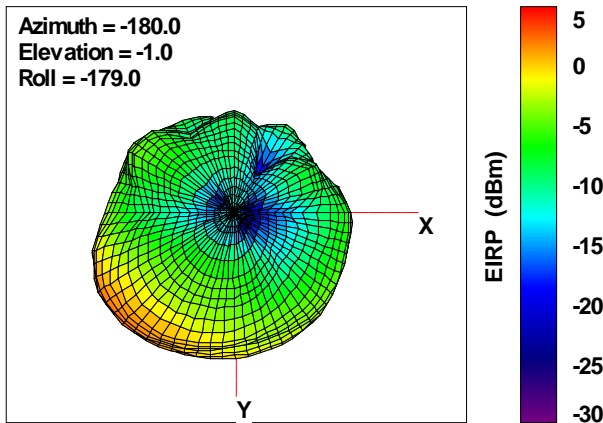
Total EIRP, Right Side View



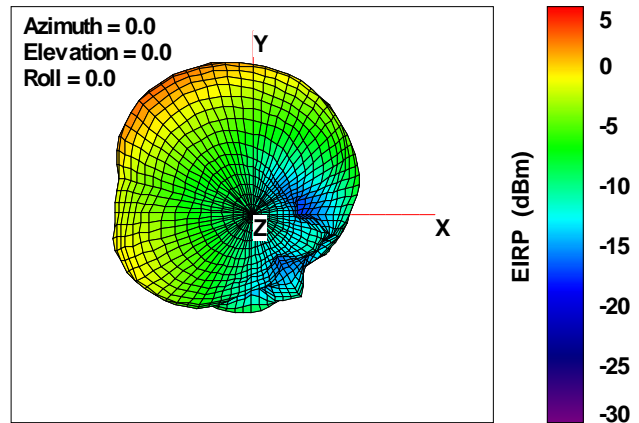
Total EIRP, Left Side View



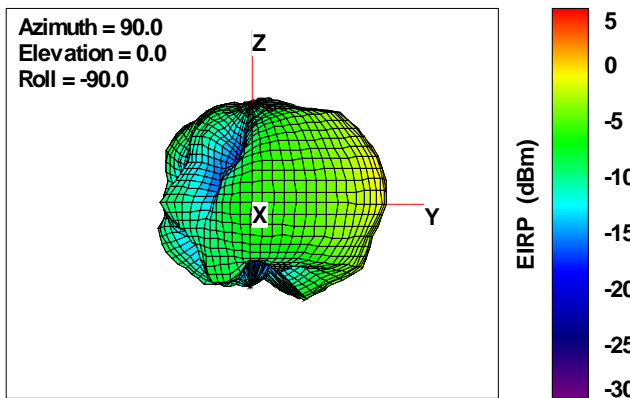
Total EIRP, Bottom View



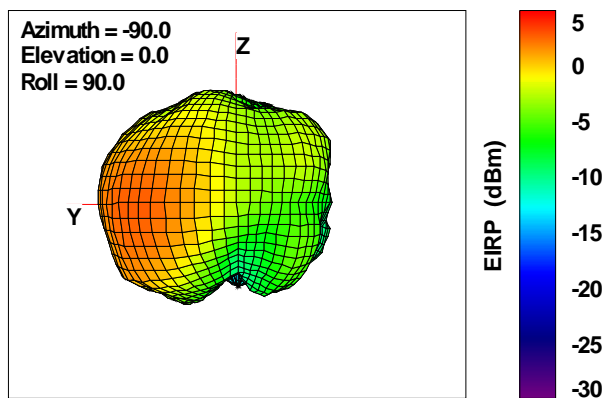
Total EIRP, Top View



Total EIRP, Front Face View

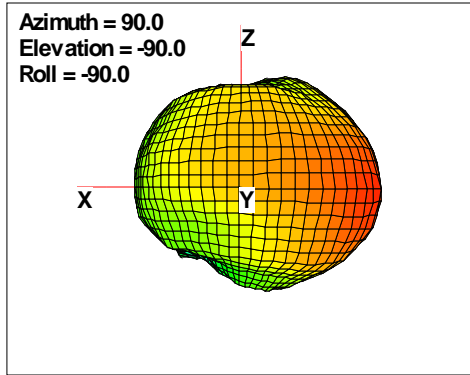


Total EIRP, Back Face View

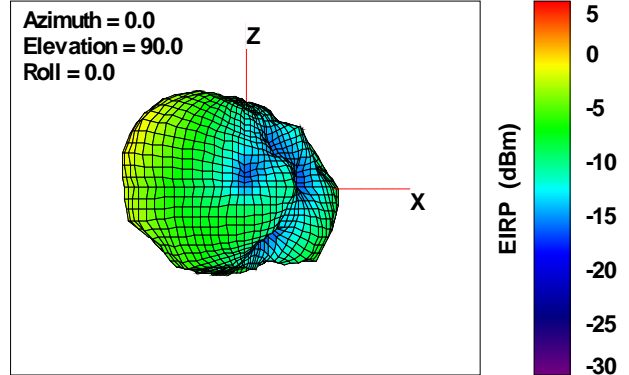


WAN Free-Space Total EIRP, 5500MHz

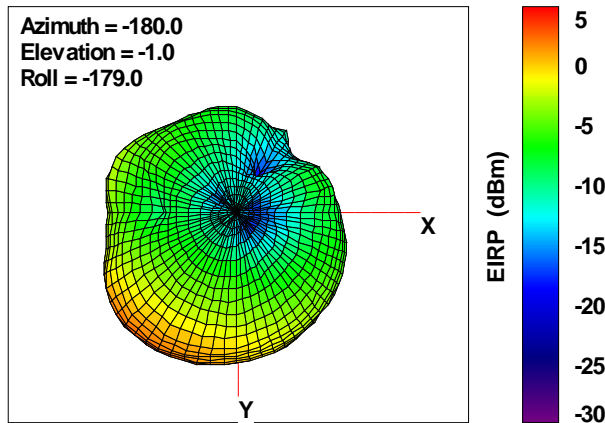
Total EIRP, Right Side View



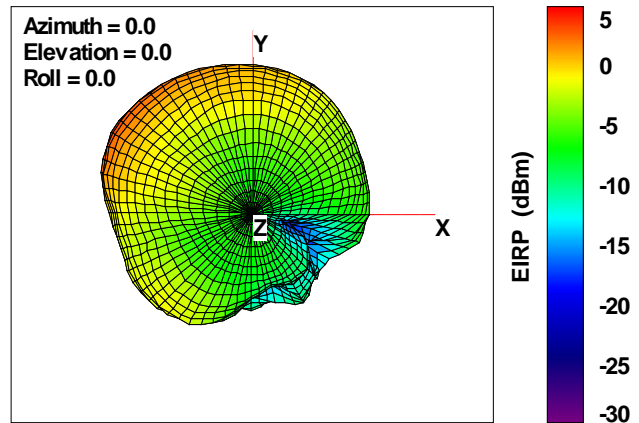
Total EIRP, Left Side View



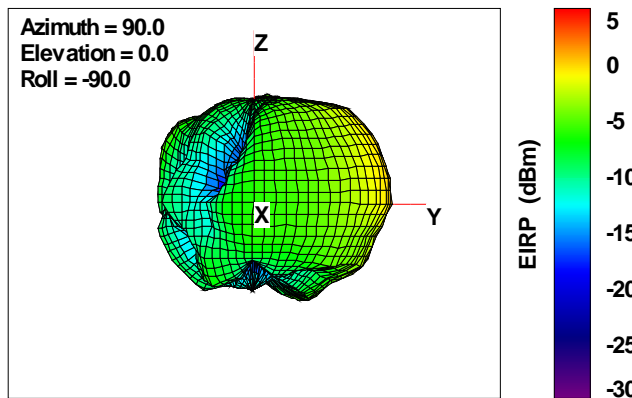
Total EIRP, Bottom View



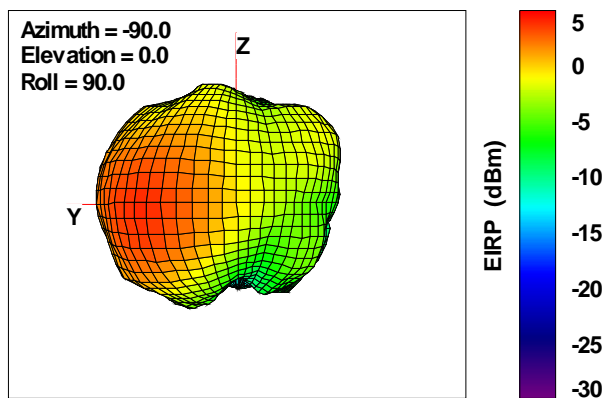
Total EIRP, Top View



Total EIRP, Front Face View

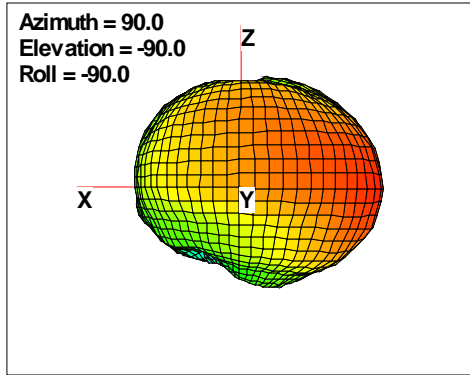


Total EIRP, Back Face View

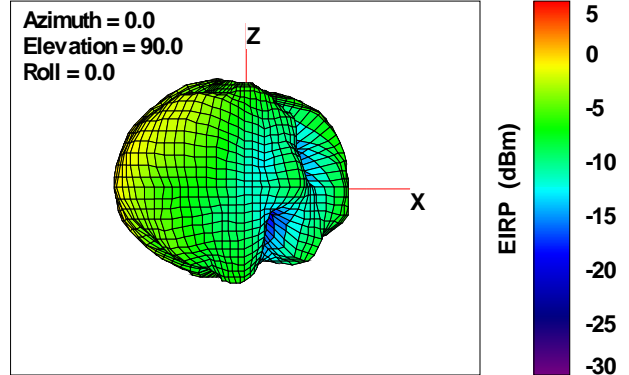


WAN Free-Space Total EIRP, 5600MHz

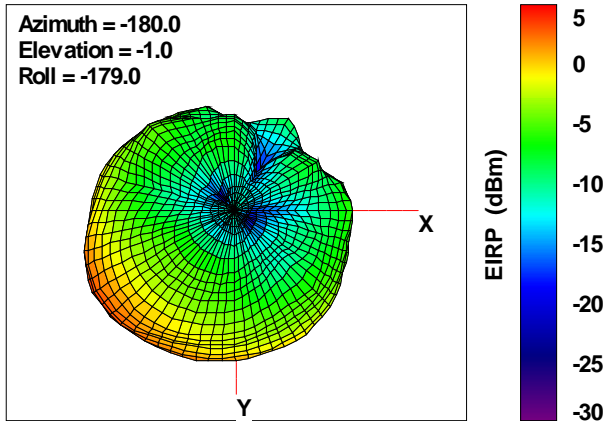
Total EIRP, Right Side View



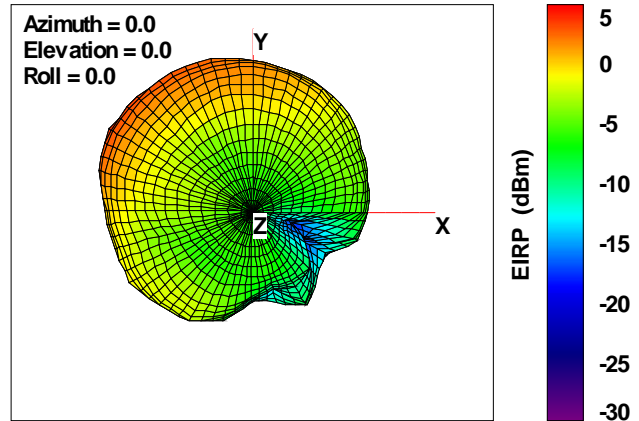
Total EIRP, Left Side View



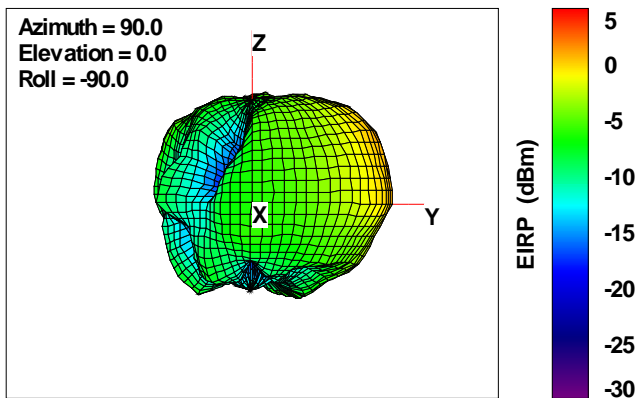
Total EIRP, Bottom View



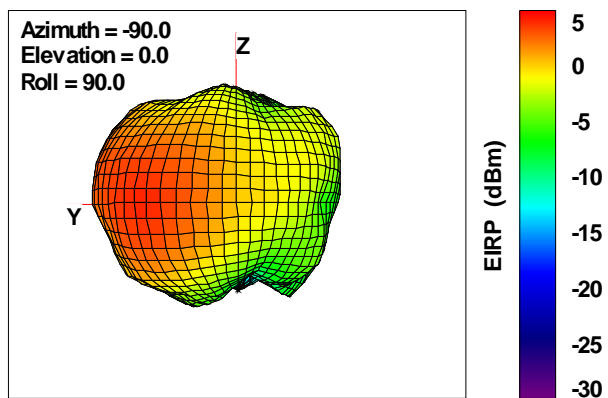
Total EIRP, Top View



Total EIRP, Front Face View

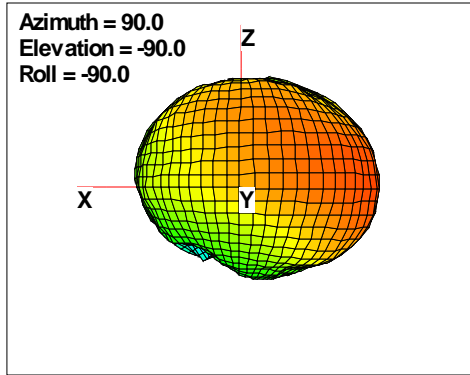


Total EIRP, Back Face View

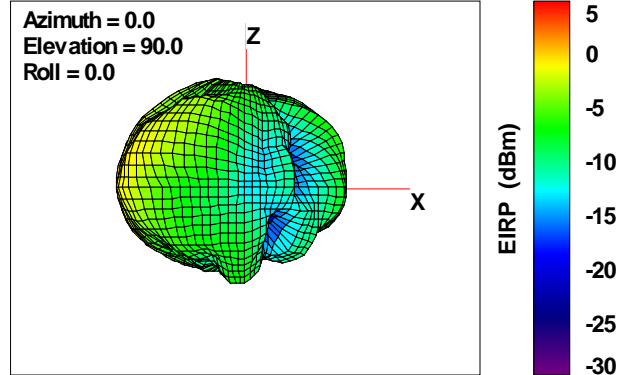


WAN Free-Space Total EIRP, 5700MHz

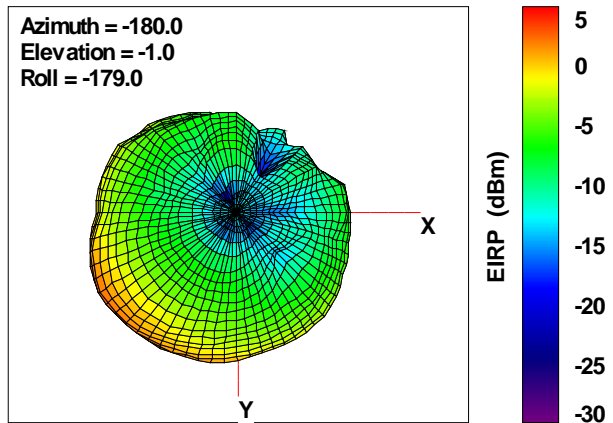
Total EIRP, Right Side View



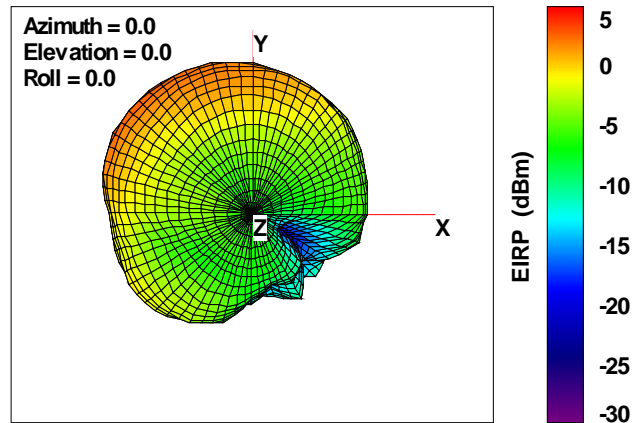
Total EIRP, Left Side View



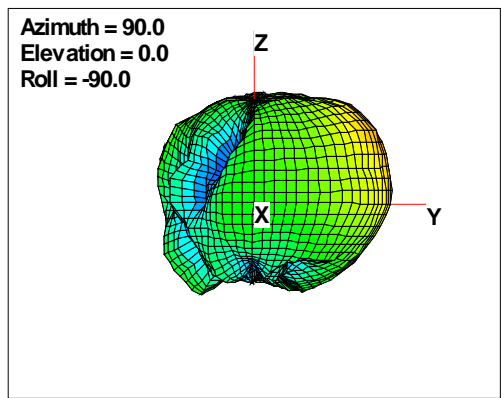
Total EIRP, Bottom View



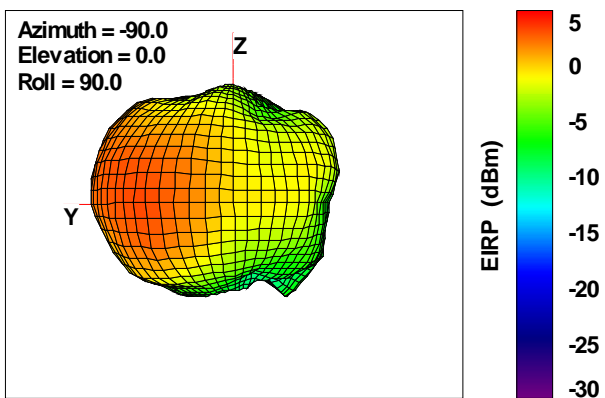
Total EIRP, Top View



Total EIRP, Front Face View

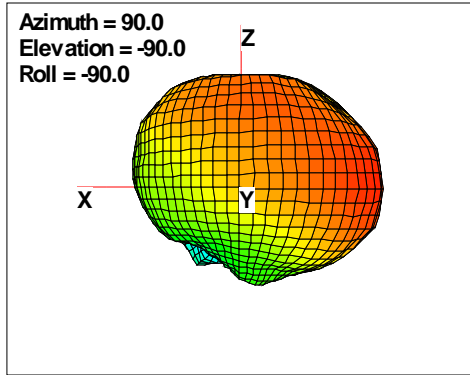


Total EIRP, Back Face View

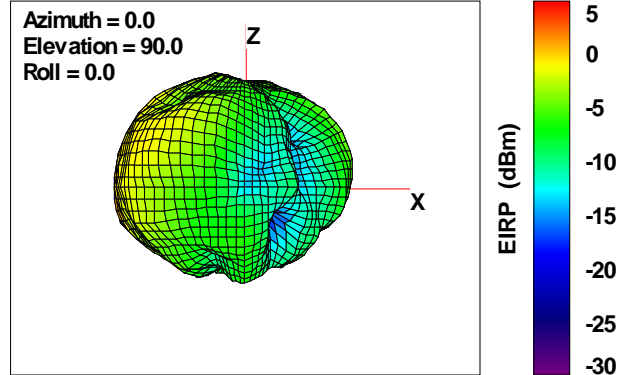


WAN Free-Space Total EIRP, 5825MHz

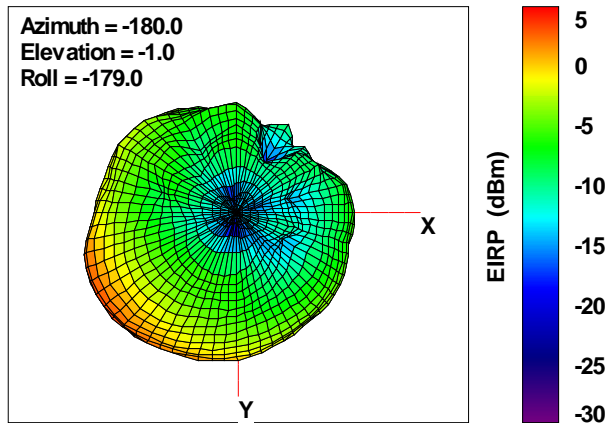
Total EIRP, Right Side View



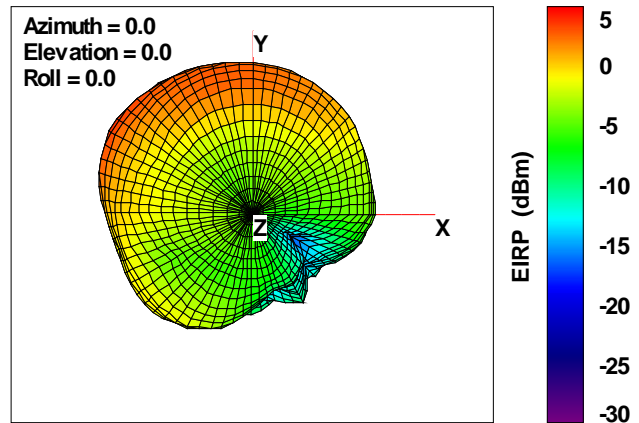
Total EIRP, Left Side View



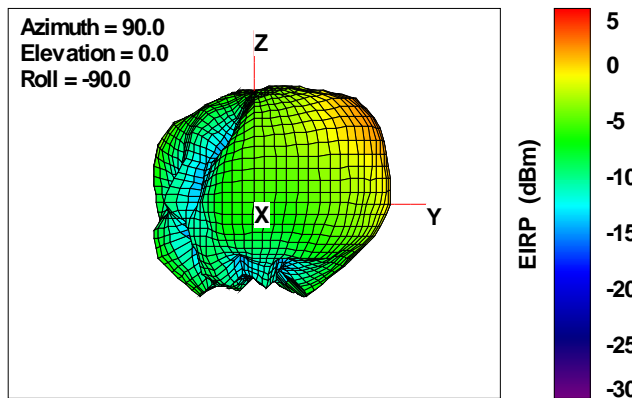
Total EIRP, Bottom View



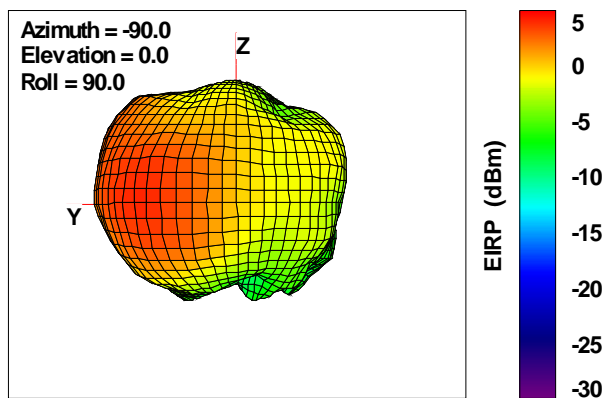
Total EIRP, Top View



Total EIRP, Front Face View

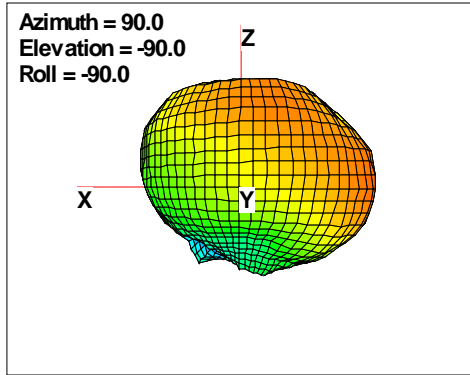


Total EIRP, Back Face View

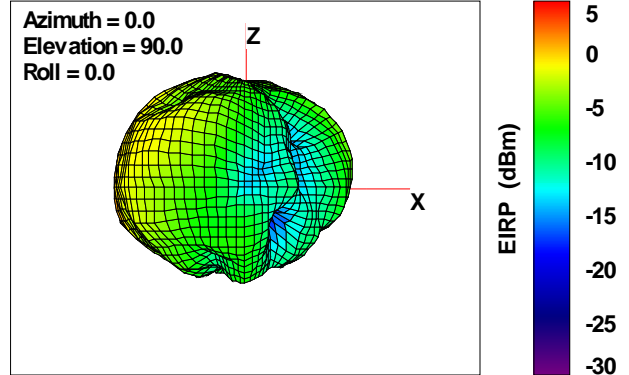


WAN Free-Space Total EIRP, 5900MHz

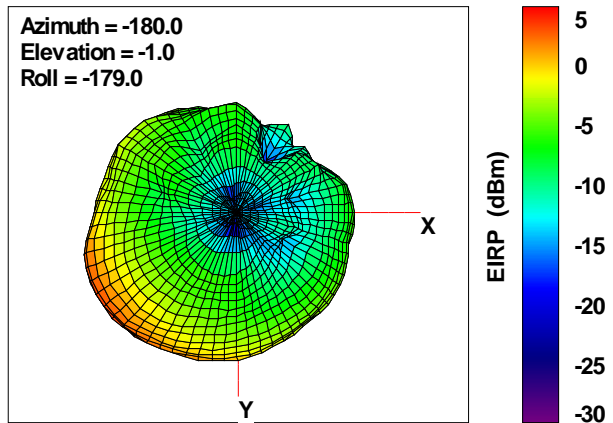
Total EIRP, Right Side View



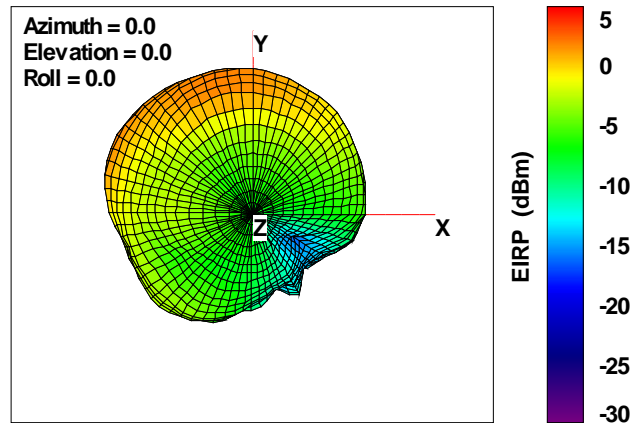
Total EIRP, Left Side View



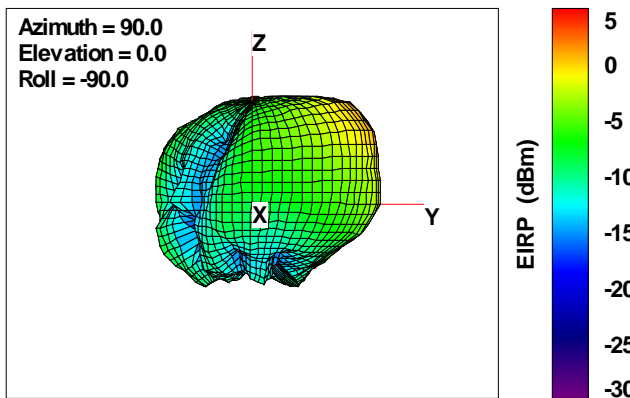
Total EIRP, Bottom View



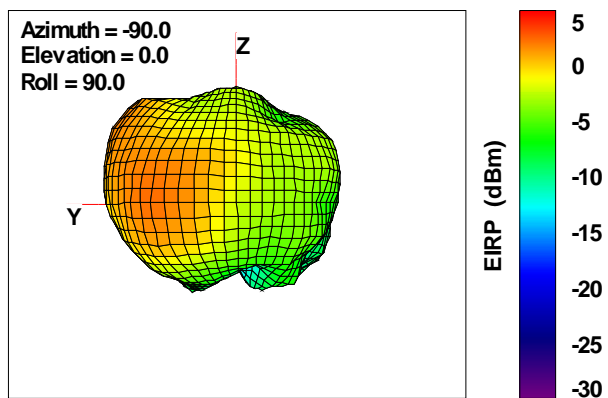
Total EIRP, Top View



Total EIRP, Front Face View

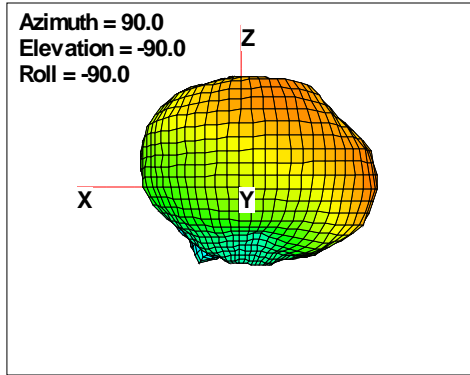


Total EIRP, Back Face View

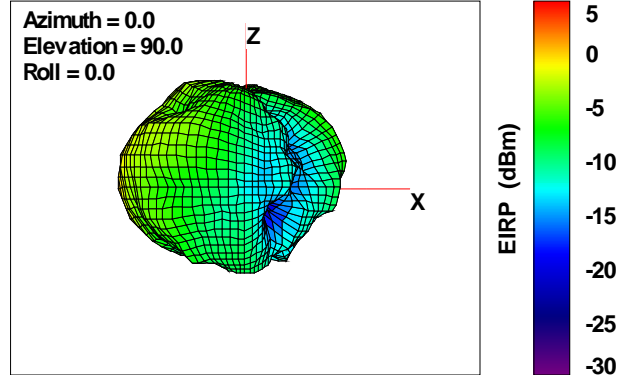


WAN Free-Space Total EIRP, 6000MHz

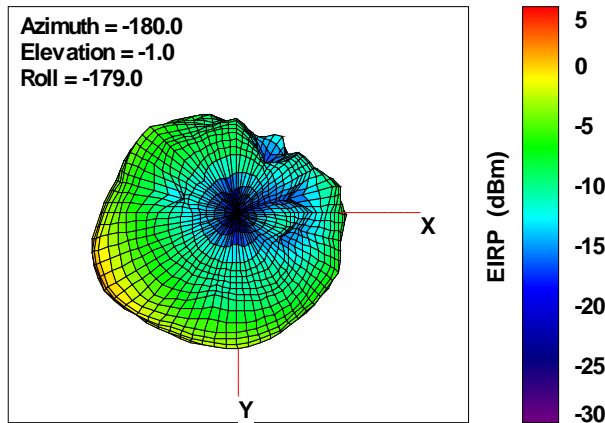
Total EIRP, Right Side View



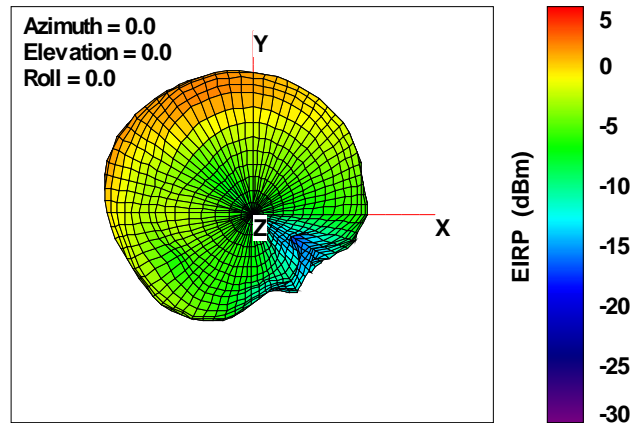
Total EIRP, Left Side View



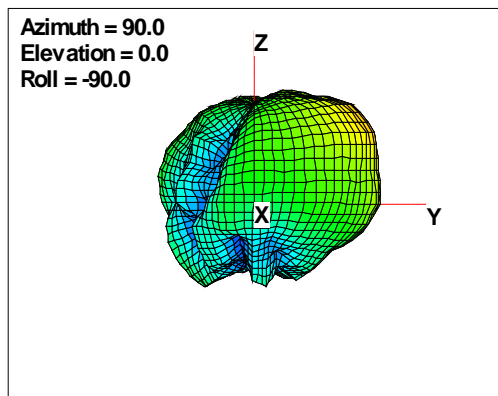
Total EIRP, Bottom View



Total EIRP, Top View



Total EIRP, Front Face View



Total EIRP, Back Face View

