



*Technologies Corporation*

**Intermec Radio Group Antenna Measurement System**

**Manufacturer:** Intermec

**Model No:** Laird WLAN antenna

**Serial No:** Preliminary DATA WLAN Only i70

**Operator:** Paul Hulett

**Comments:** PRELIMINARY ONLY

**Test Method:** Two-Axis Dual-Polarization Pattern Measurement

**Type:** PIFA

**Summary Page**

<b>Total</b>	<b>Frequency (MHz)</b>	<b>2400</b>	<b>2425</b>	<b>2450</b>	<b>2475</b>	<b>2500</b>	
	<b>Peak Gain (dBi)</b>	2.60174	3.33053	2.98132	2.81985	3.06949	
	<b>Average Gain (dBi)</b>	-3.80681	-3.74704	-2.932	-2.95385	-2.70769	

Preliminary DATA Only

<b>Total</b>	<b>Frequency (MHz)</b>	<b>4900</b>	<b>4925</b>	<b>4850</b>	<b>4975</b>	<b>5000</b>	<b>5025</b>
	<b>Peak Gain (dBi)</b>	1.34285	2.07157	0.973087	1.2018	1.50846	1.59464
	<b>Average Gain (dBi)</b>	-3.43438	-3.34399	-3.81527	-4.18256	-3.71675	-3.36947

Preliminary DATA Only

<b>Total</b>	<b>Frequency (MHz)</b>	<b>5050</b>	<b>5075</b>	<b>5100</b>	<b>5200</b>	<b>5300</b>	<b>5400</b>
	<b>Peak Gain (dBi)</b>	2.03741	1.68635	1.24193	2.18986	1.69032	3.17239
	<b>Average Gain (dBi)</b>	-3.00522	-3.17851	-3.50148	-2.63863	-3.14503	-2.56016

Preliminary DATA Only

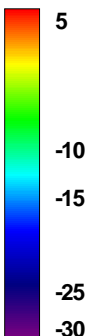
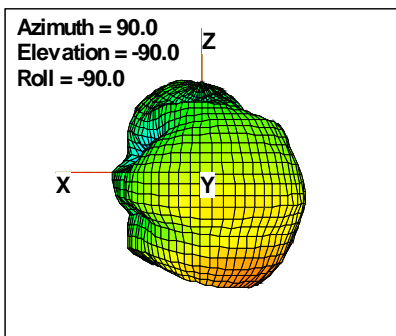
<b>Total</b>	<b>Frequency (MHz)</b>	<b>5500</b>	<b>5600</b>	<b>5700</b>	<b>5825</b>		
	<b>Peak Gain (dBi)</b>	3.63567	2.80055	1.78157	1.36159		
	<b>Average Gain (dBi)</b>	-2.12873	-2.57171	-3.21599	-4.36529		

Preliminary DATA Only

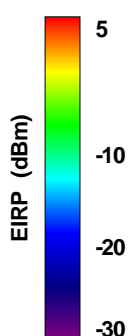
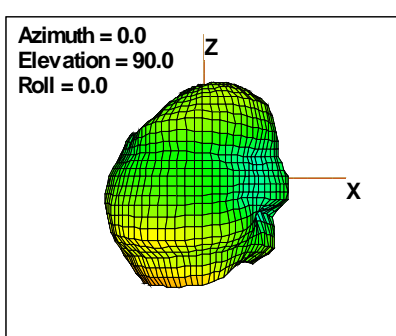


WAN Free-Space Total EIRP, 2400MHz

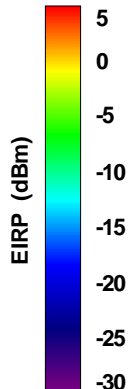
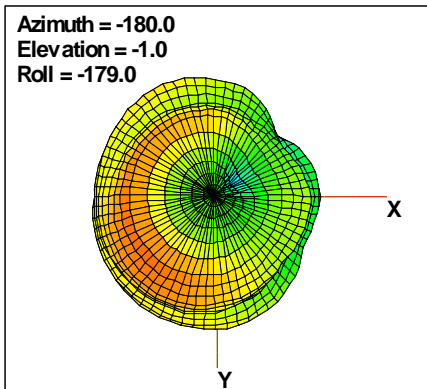
Total EIRP, Right Side View



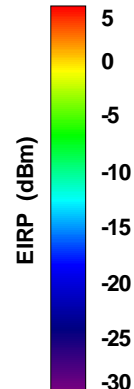
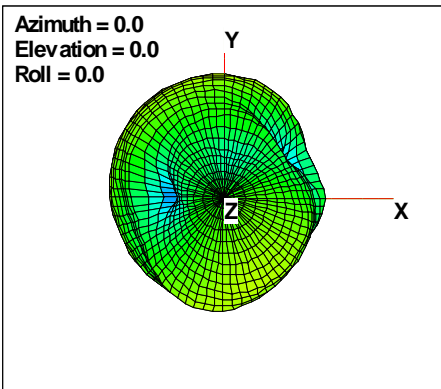
Total EIRP, Left Side View



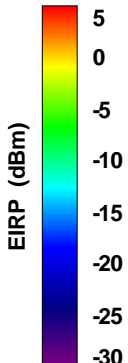
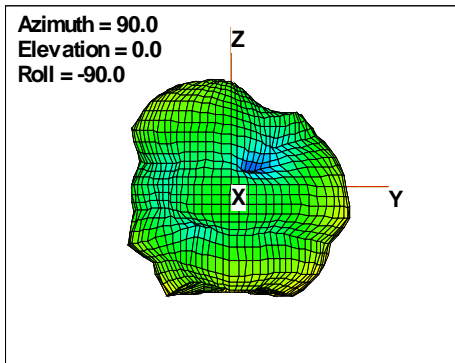
Total EIRP, Bottom View



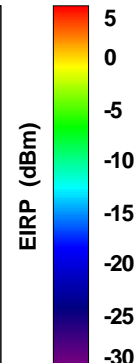
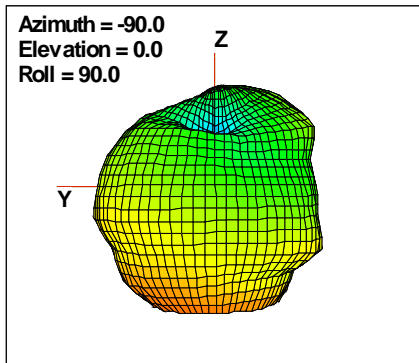
Total EIRP, Top View



Total EIRP, Front Face View



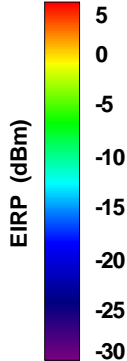
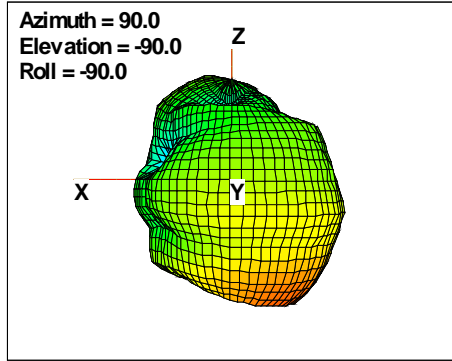
Total EIRP, Back Face View



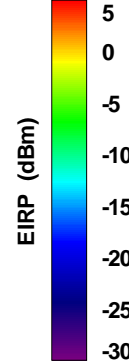
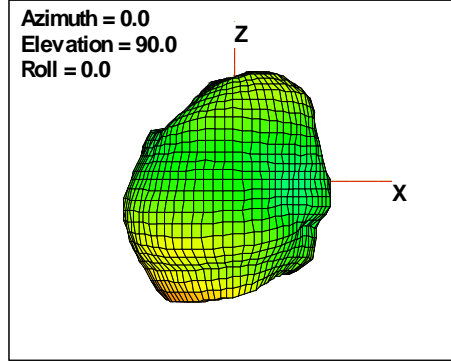
Preliminary DATA Only

# WAN Free-Space Total EIRP, 2425MHz

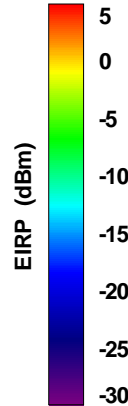
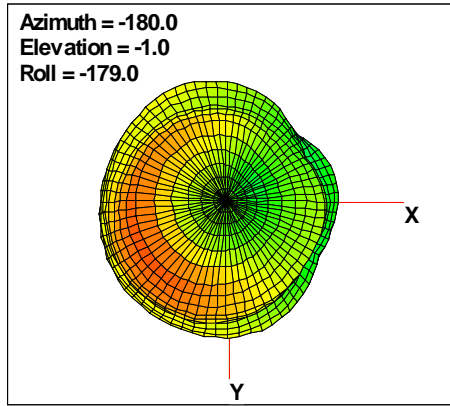
### Total EIRP, Right Side View



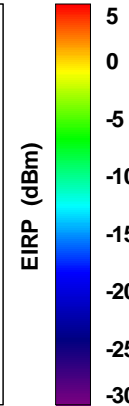
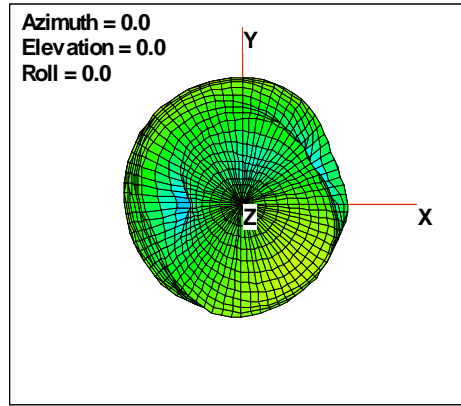
### Total EIRP, Left Side View



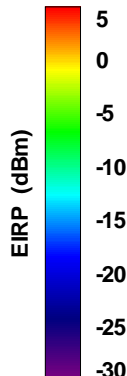
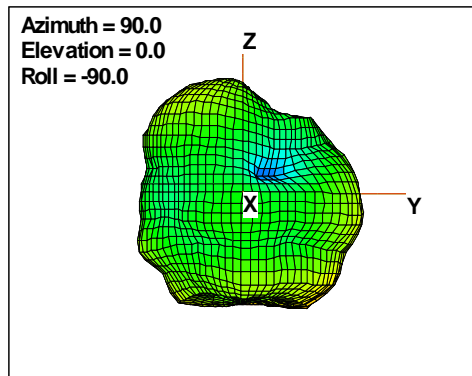
### Total EIRP, Bottom View



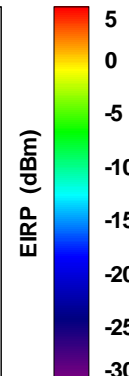
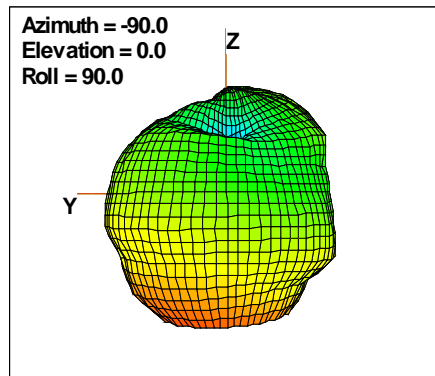
### Total EIRP, Top View



### Total EIRP, Front Face View



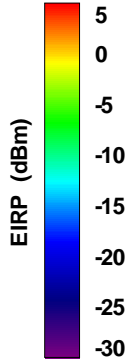
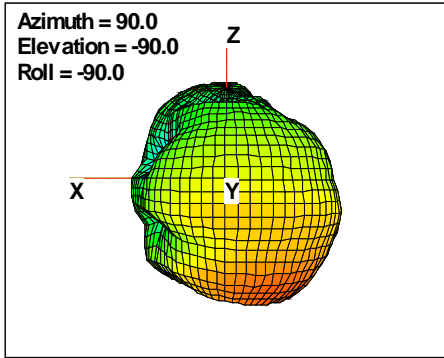
### Total EIRP, Back Face View



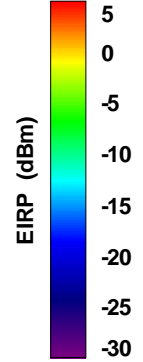
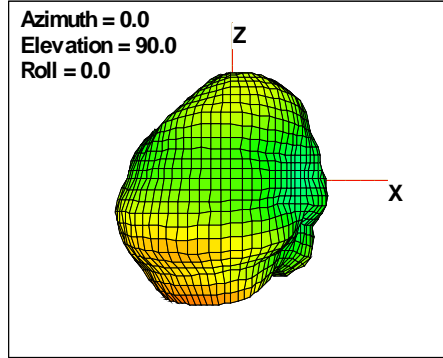
Preliminary DATA Only

# WAN Free-Space Total EIRP, 2450MHz

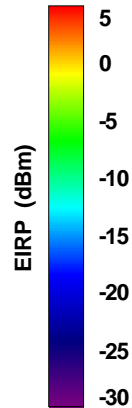
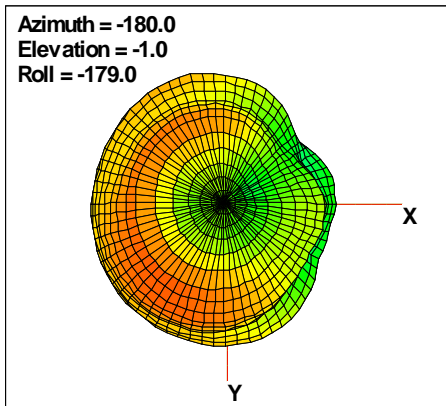
Total EIRP, Right Side View



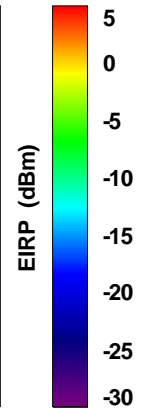
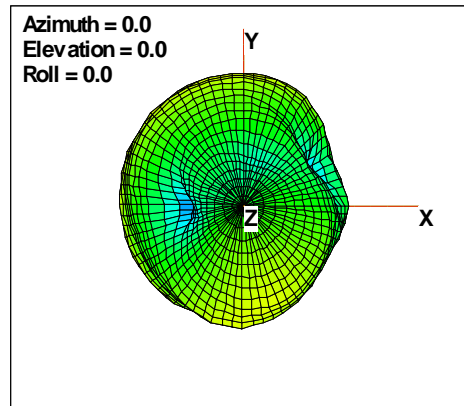
Total EIRP, Left Side View



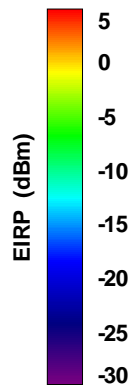
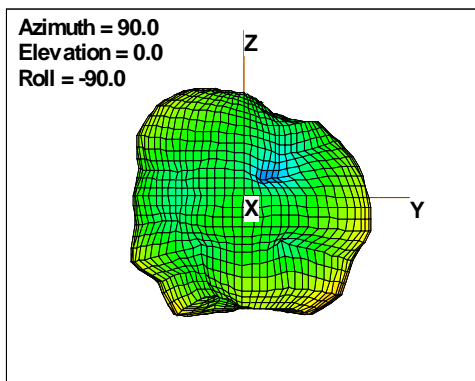
Total EIRP, Bottom View



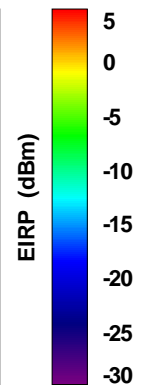
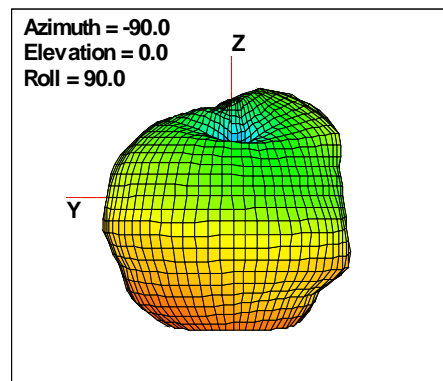
Total EIRP, Top View



Total EIRP, Front Face View



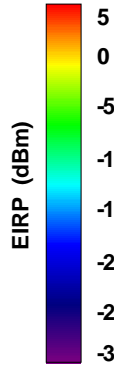
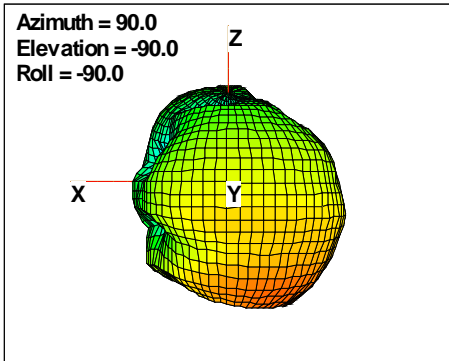
Total EIRP, Back Face View



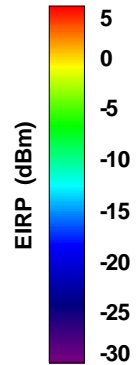
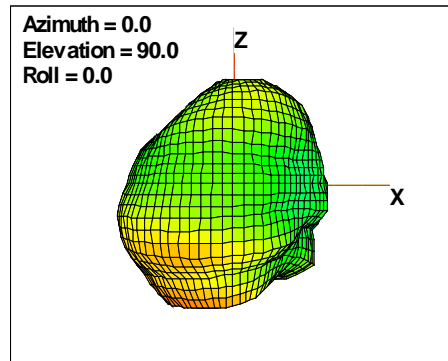
Preliminary DATA Only

# WAN Free-Space Total EIRP, 2475MHz

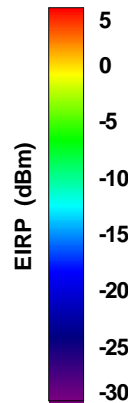
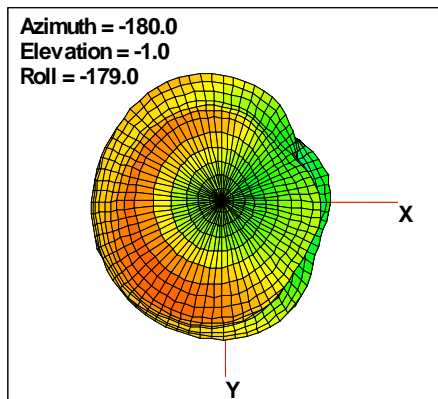
### Total EIRP, Right Side View



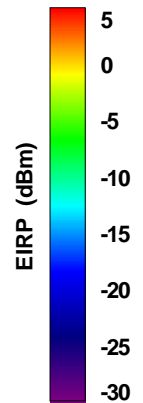
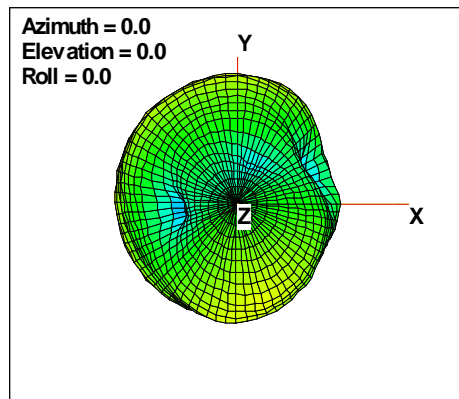
### Total EIRP, Left Side View



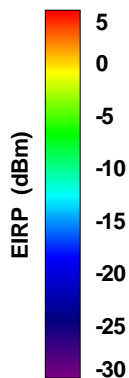
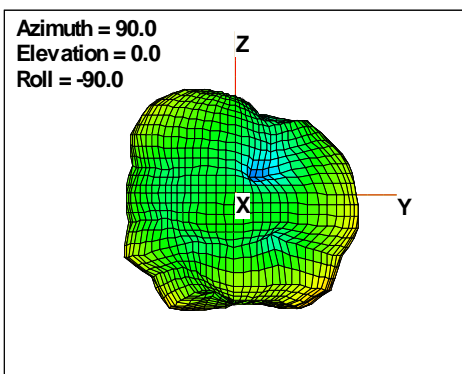
### Total EIRP, Bottom View



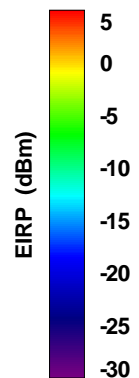
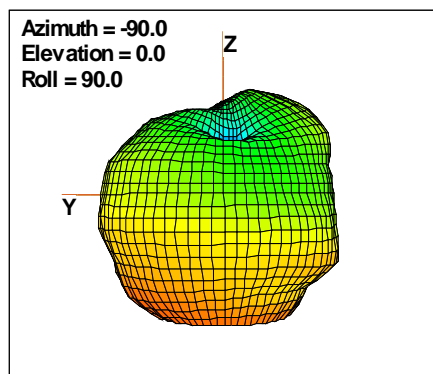
### Total EIRP, Top View



### Total EIRP, Front Face View



### Total EIRP, Back Face View

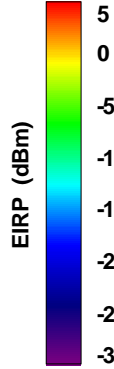
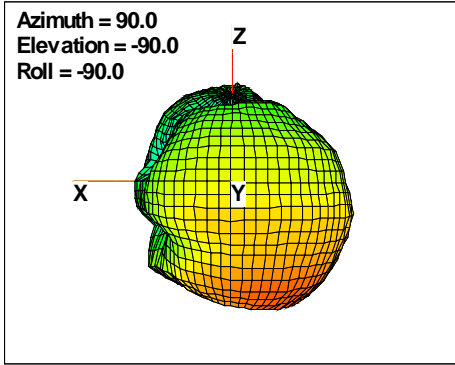


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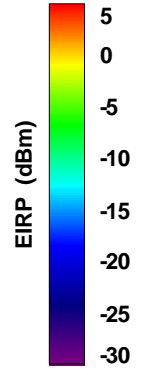
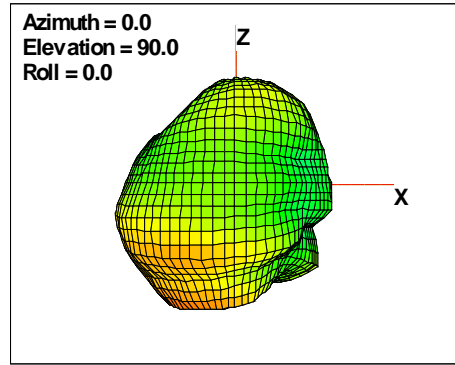


# WAN Free-Space Total EIRP, 2500MHz

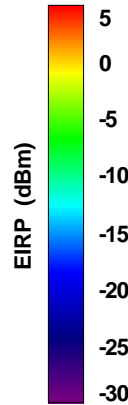
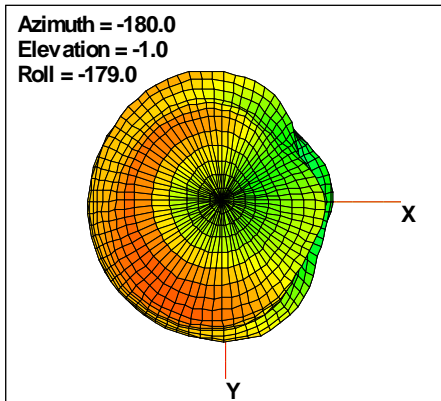
Total EIRP, Right Side View



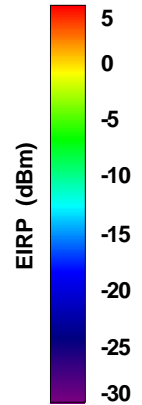
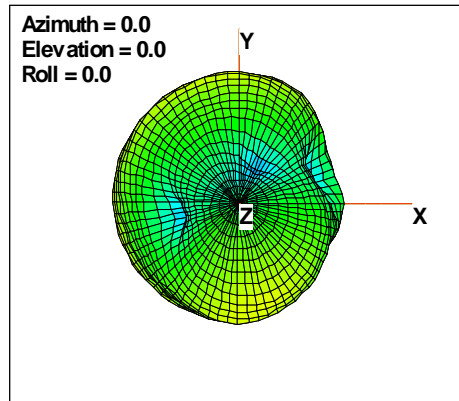
Total EIRP, Left Side View



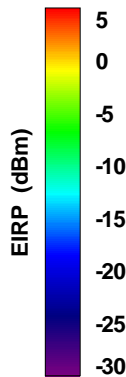
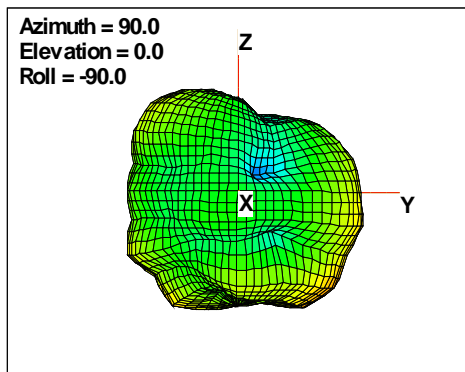
Total EIRP, Bottom View



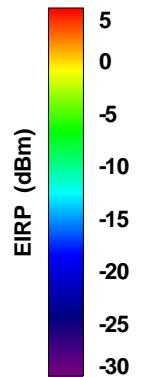
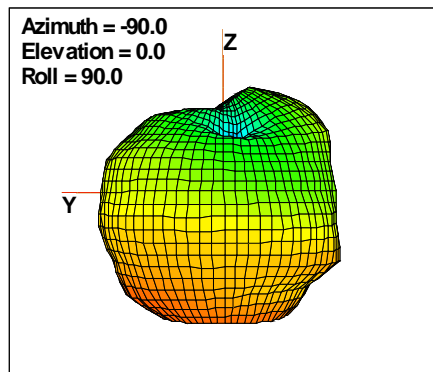
Total EIRP, Top View



Total EIRP, Front Face View



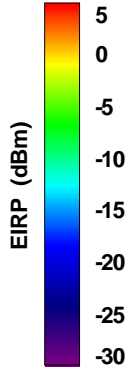
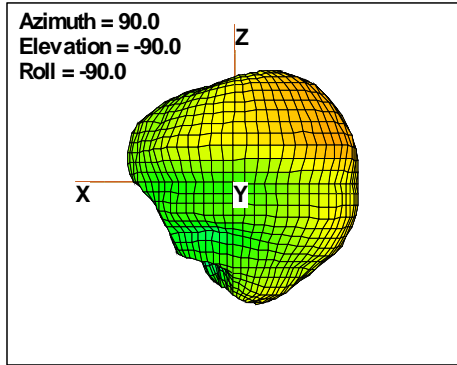
Total EIRP, Back Face View



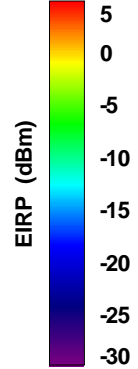
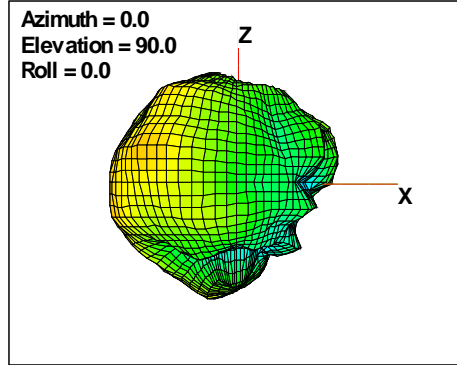
Preliminary DATA Only

# WAN Free-Space Total EIRP, 4900MHz

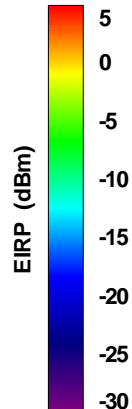
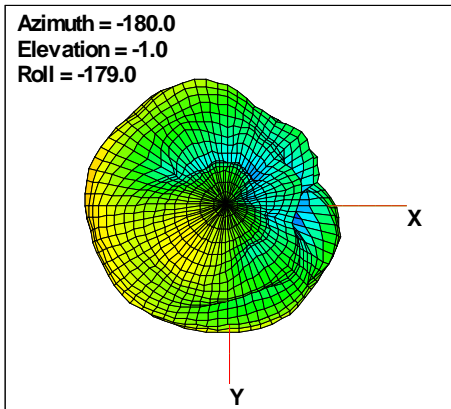
### Total EIRP, Right Side View



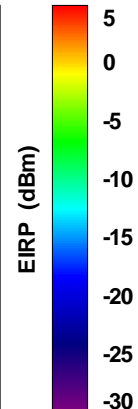
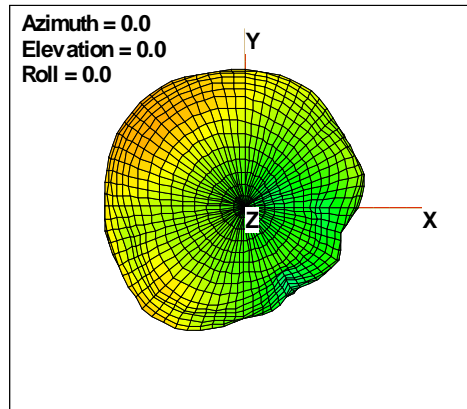
### Total EIRP, Left Side View



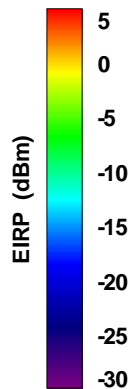
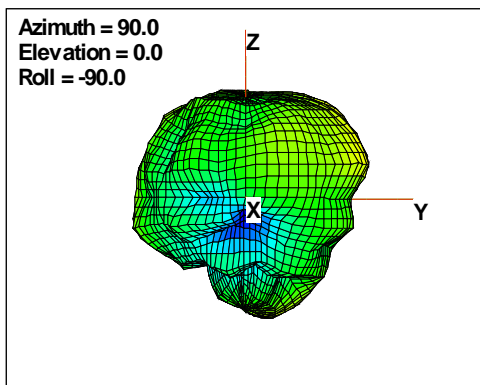
### Total EIRP, Bottom View



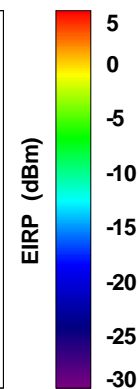
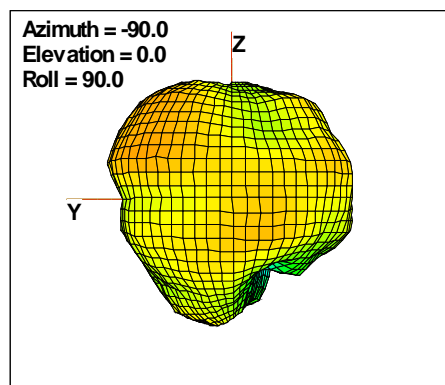
### Total EIRP, Top View



### Total EIRP, Front Face View



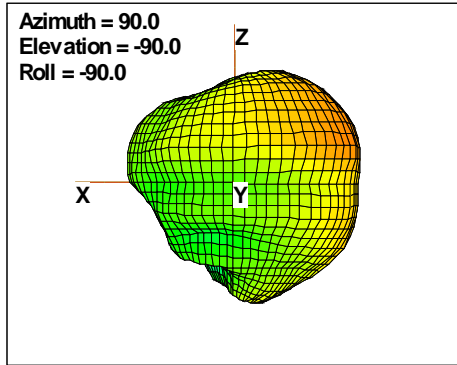
### Total EIRP, Back Face View



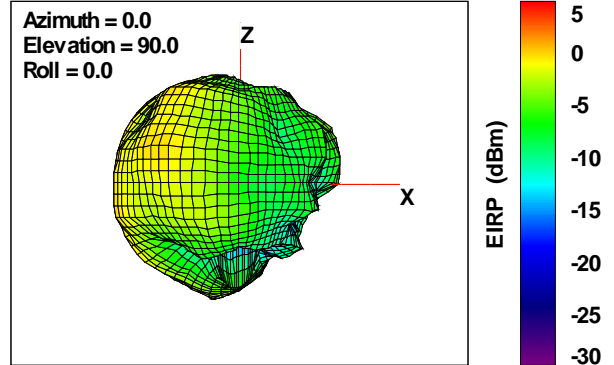
Preliminary DATA Only

# WAN Free-Space Total EIRP, 4925MHz

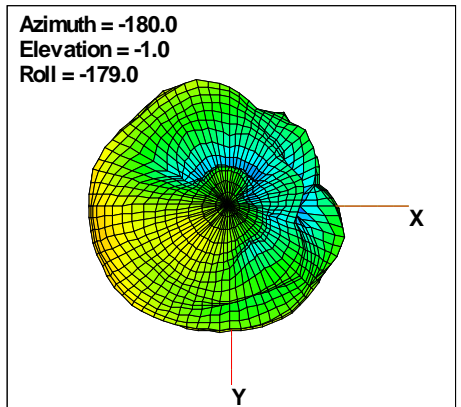
Total EIRP, Right Side View



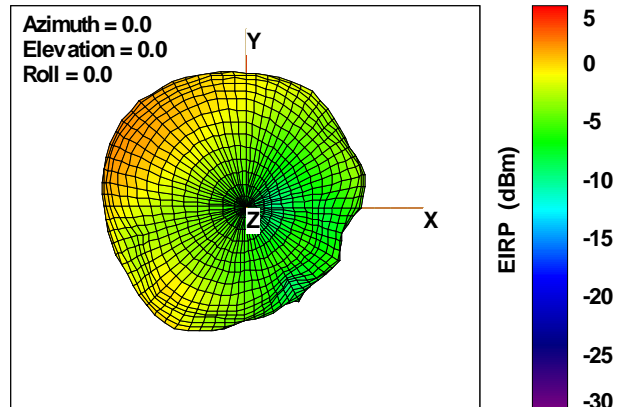
Total EIRP, Left Side View



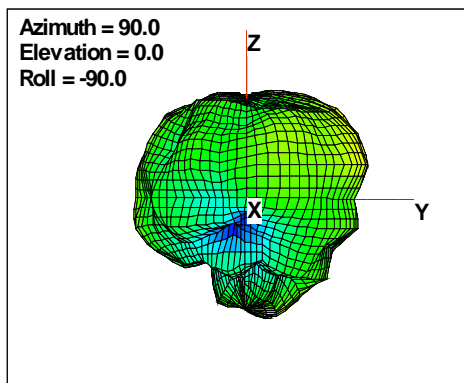
Total EIRP, Bottom View



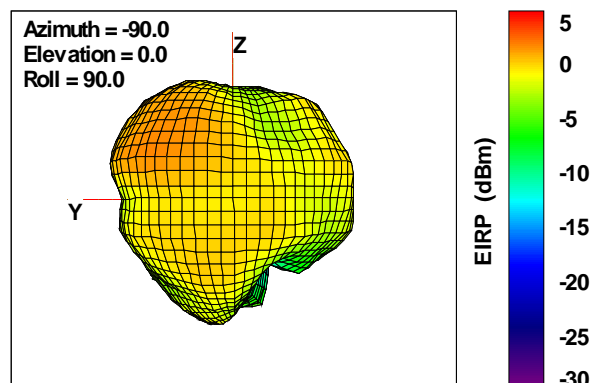
Total EIRP, Top View



Total EIRP, Front Face View



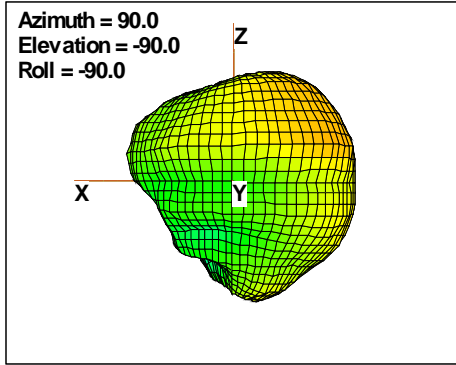
Total EIRP, Back Face View



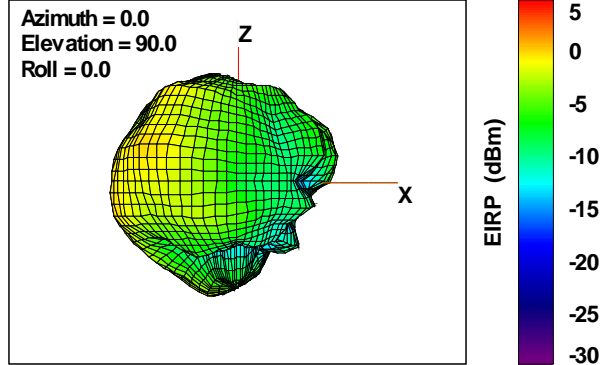
Preliminary DATA Only

# WAN Free-Space Total EIRP, 4850MHz

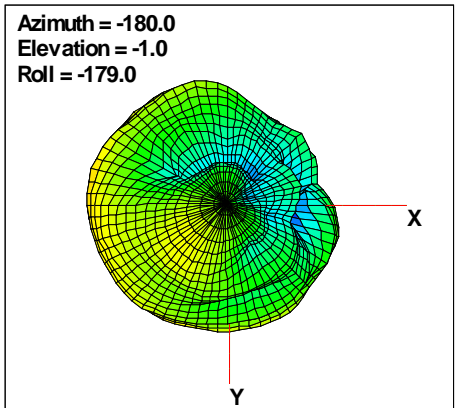
### Total EIRP, Right Side View



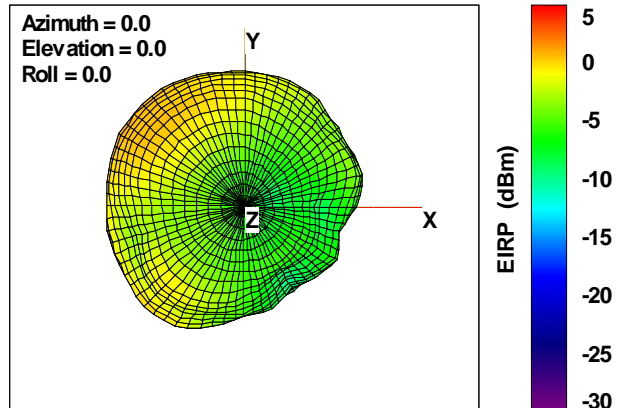
### Total EIRP, Left Side View



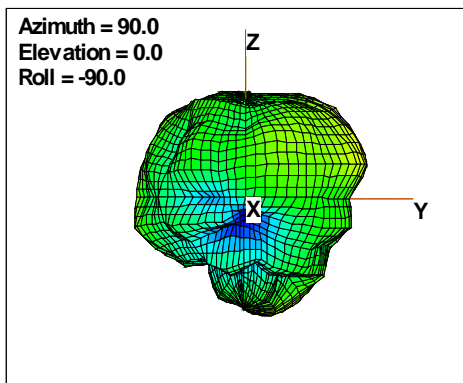
### Total EIRP, Bottom View



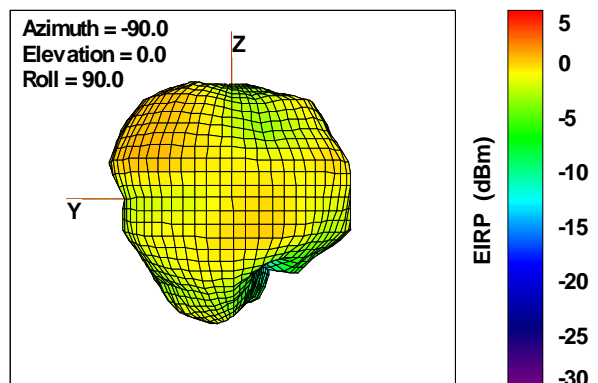
### Total EIRP, Top View



### Total EIRP, Front Face View



### Total EIRP, Back Face View



Preliminary DATA Only