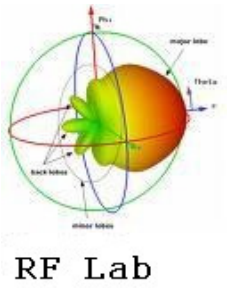
PIFA Antenna

Intermec

Technologies Corporation



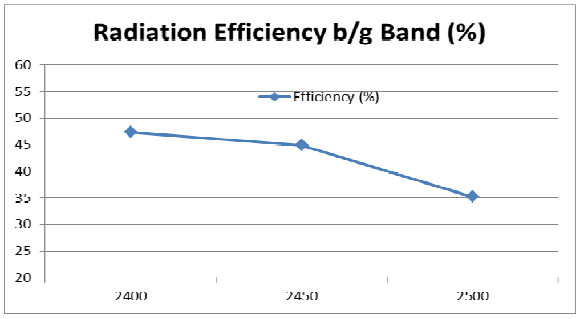
RF Lab

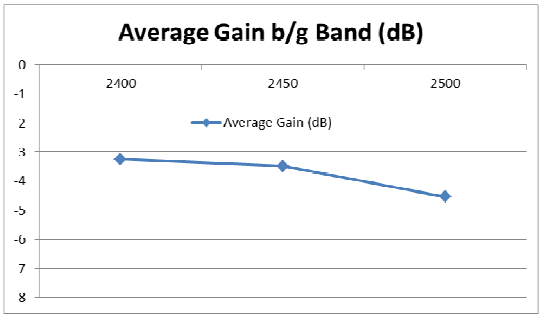
Intermec RF Lab Antenna Measurement Report

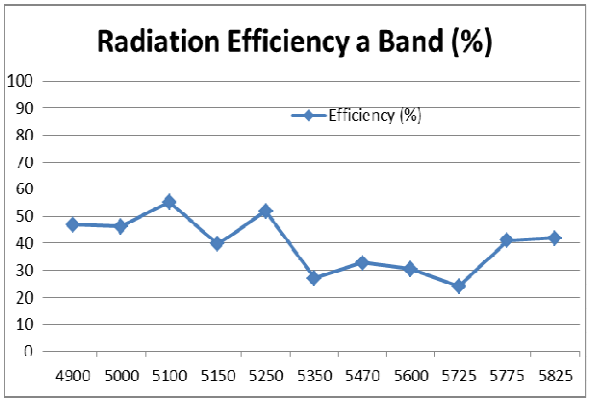
Manufacturer: Intermec Technologies Corp
Product Name: CN51 Handheld Computer
Model: 1015CP01
Configuration: 802.11abgn/Bluetooth
Test Date: Feb 9, 2013
Prepared By: Oliver Ge
Comments: 3-D views were provided in this report, corresponding to 2-D radiation patterns:

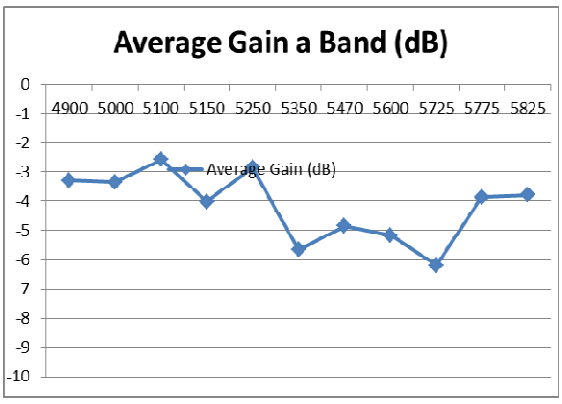
Top View:	Theta = 90 degree
Left Sideview:	Phi = 90 degree
Front View:	Phi = 0 degree

Summary









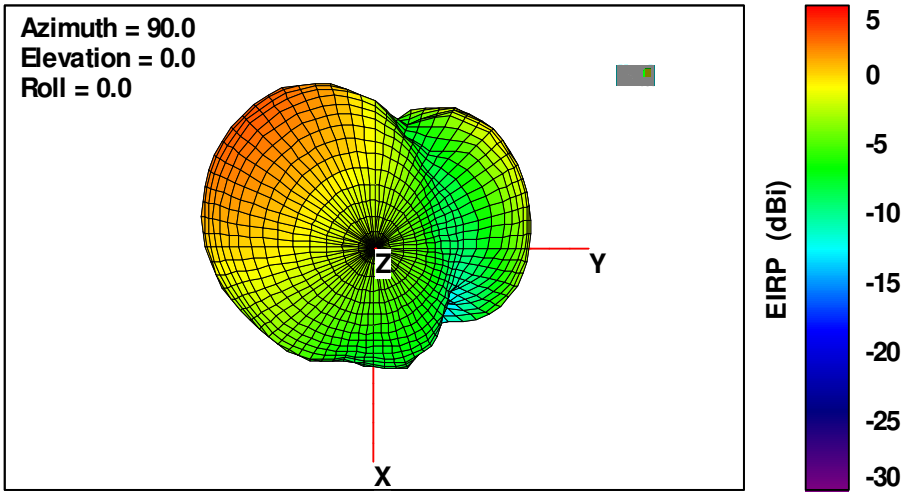
Frequency (MHz)	2400	2450	2500	4900	5000
Ant. Port Input Pwr. (dBm)	0	0	0	0	0
Efficiency (%)	47.3461	44.8873	35.2276	46.9078	46.2455
Gain (dBi)	2.93071	2.86303	2.0214	2.6551	3.21561
Upper Hem.Total Radiated Pwr (dBm)	-2.98402	-3.48612	-5.16168	-2.35475	-2.40571
Lower Hem. Total Radiated Pwr(dBm)	-3.52728	-3.47143	-3.9807	-4.47711	-4.55653
Average Gain (dB)	-3.24716	-3.47877	-4.53117	-3.28755	-3.34931

Frequency (MHz)	5100	5150	5250	5350	5470
Ant. Port Input Pwr. (dBm)	0	0	0	0	0
Efficiency (%)	55.2369	39.7032	51.9208	27.1428	32.7539
Gain (dBi)	4.22176	2.83251	4.12988	1.2824	1.87403
Upper Hem.Total Radiated Pwr (dBm)	-1.54035	-3.01206	-1.95561	-4.8896	-4.352
Lower Hem. Total Radiated Pwr(dBm)	-3.9433	-5.31261	-3.96881	-6.60574	-5.40661
Average Gain (dB)	-2.57771	-4.01175	-2.84659	-5.66345	-4.84737

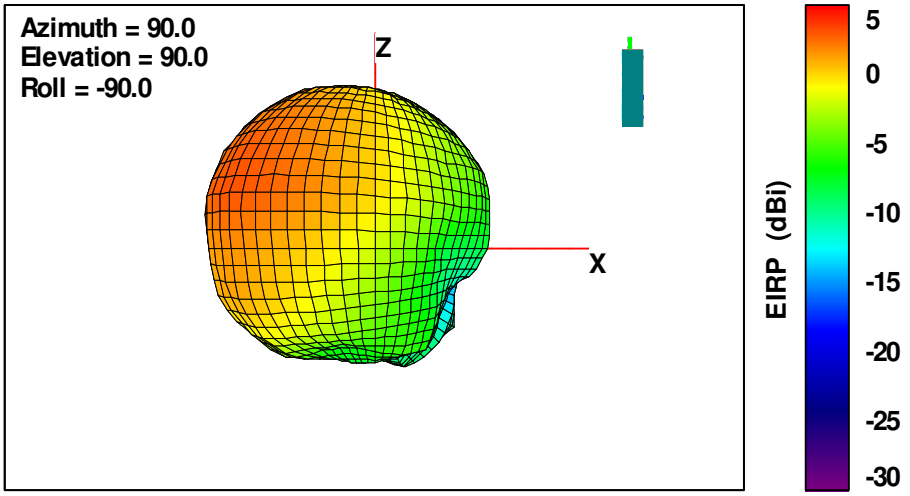
Frequency (MHz)	5600	5725	5775	5825
Ant. Port Input Pwr. (dBm)	0	0	0	0
Efficiency (%)	30.5198	24.0289	41.1022	41.8316
Gain (dBi)	1.91169	0.549118	2.77945	2.38259
Upper Hem.Total Radiated Pwr (dBm)	-4.88798	-6.35725	-4.21123	-4.22743
Lower Hem. Total Radiated Pwr(dBm)	-5.43778	-6.03408	-3.53757	-3.38342
Average Gain (dB)	-5.15419	-6.19266	-3.86135	-3.78495


Z
Y
X
Intermec
Launching OS
Esc
Enter

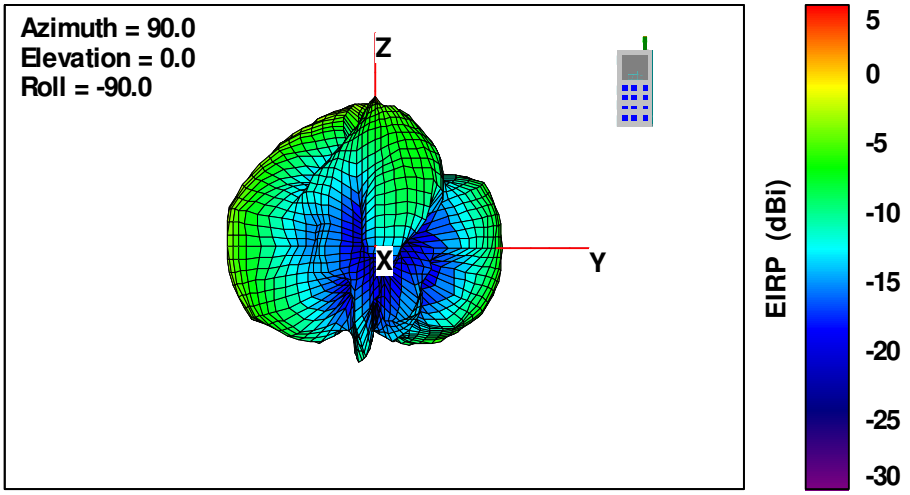
Top View 2400MHz



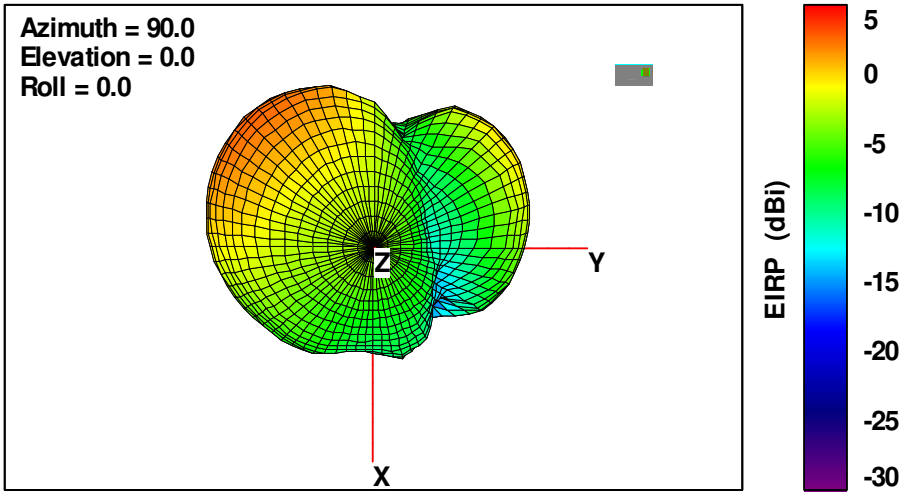
Left Sideview 2400MHz



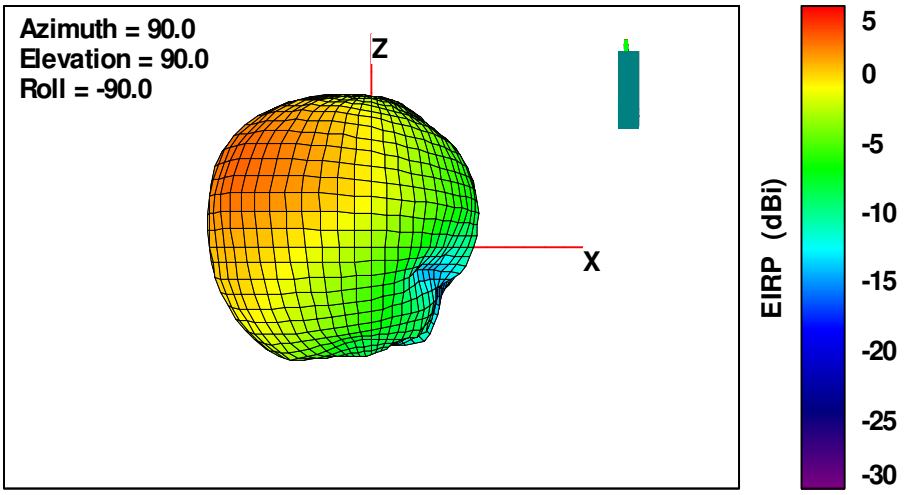
Front View 2400MHz



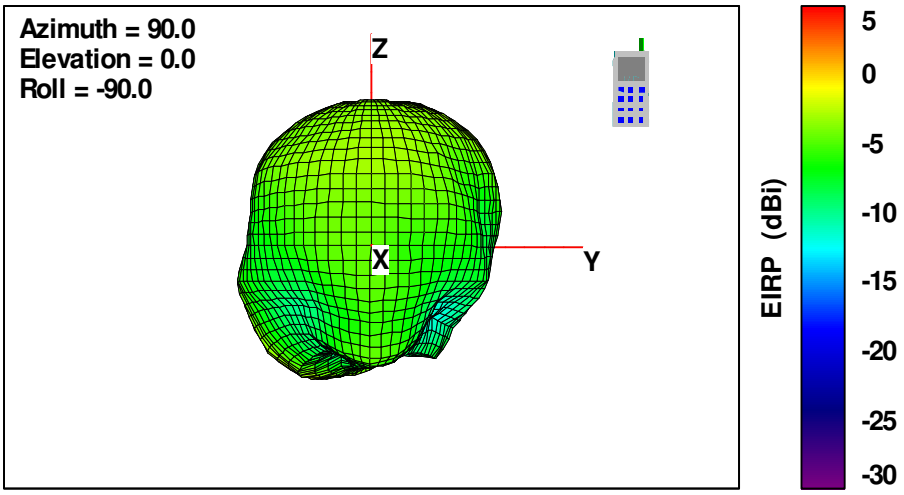
Top View 2450MHz



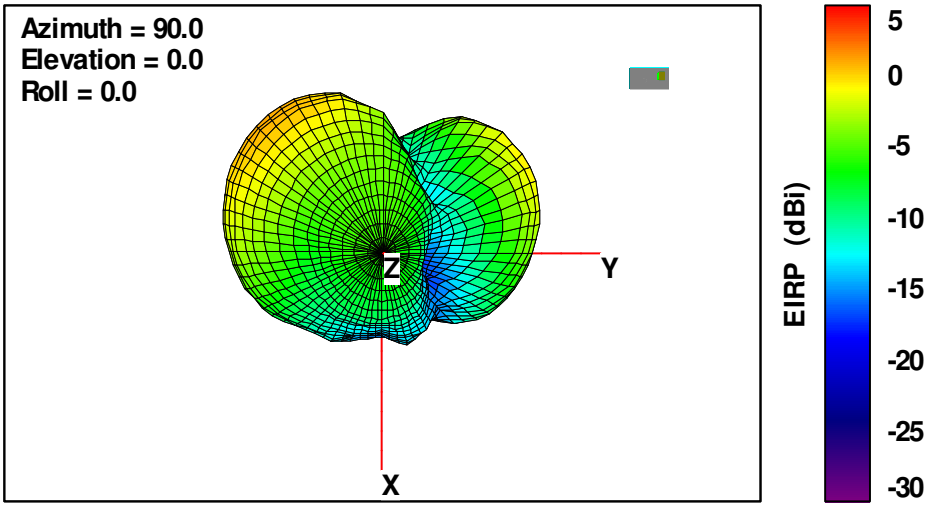
Left Sideview 2450MHz



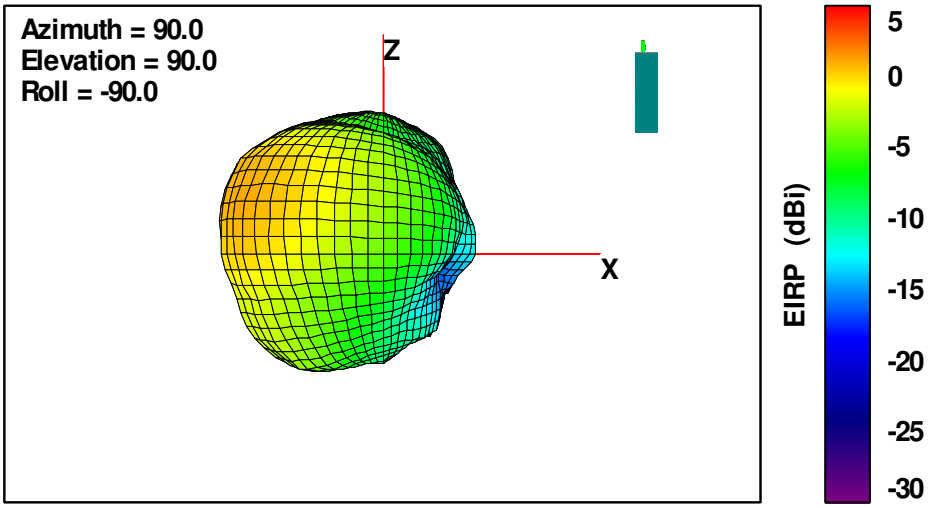
Front View 2450MHz



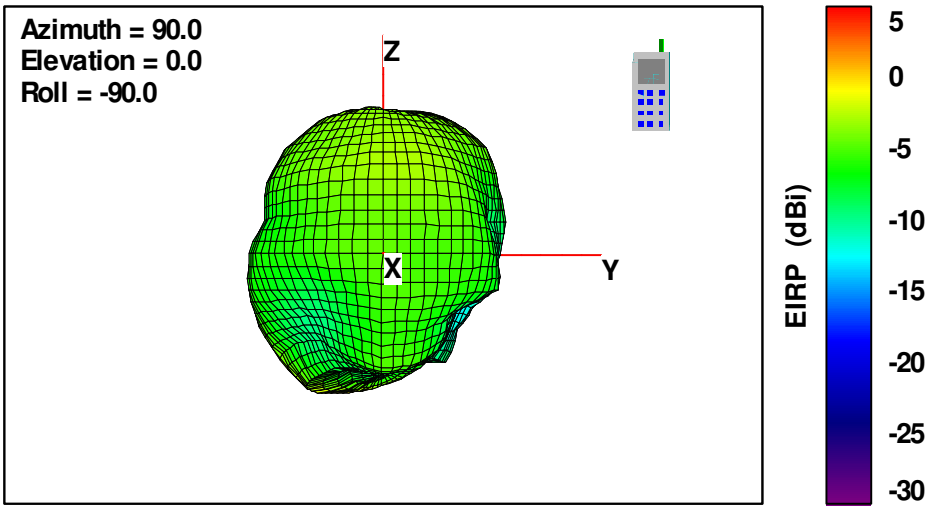
Top View 2500MHz



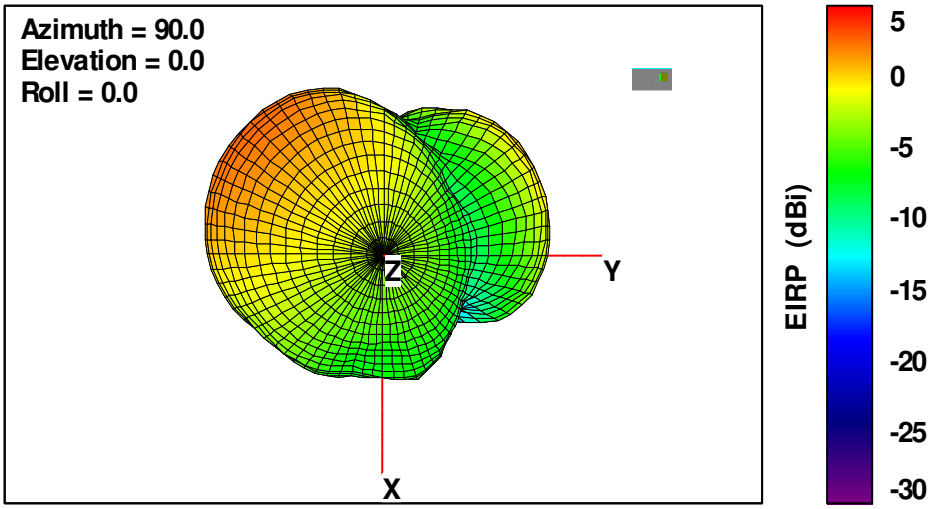
Left Sideview 2500MHz



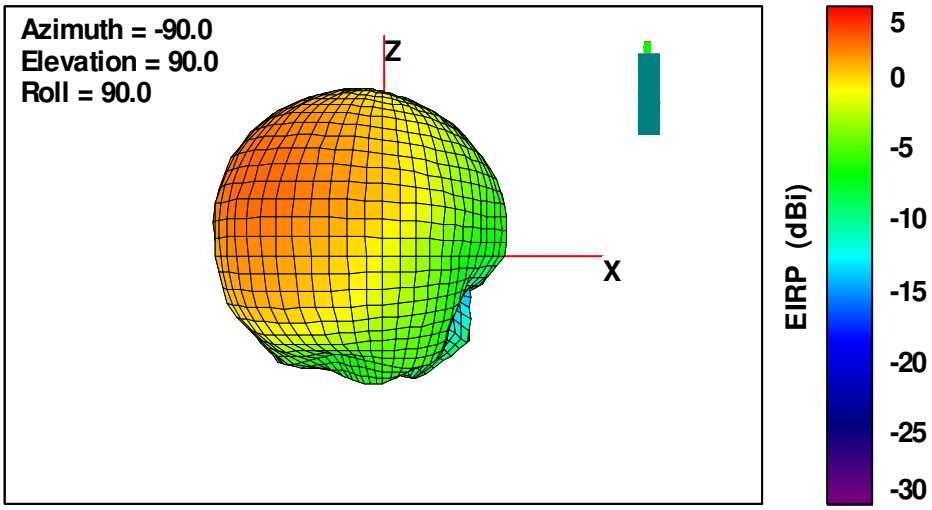
Front View 2500MHz



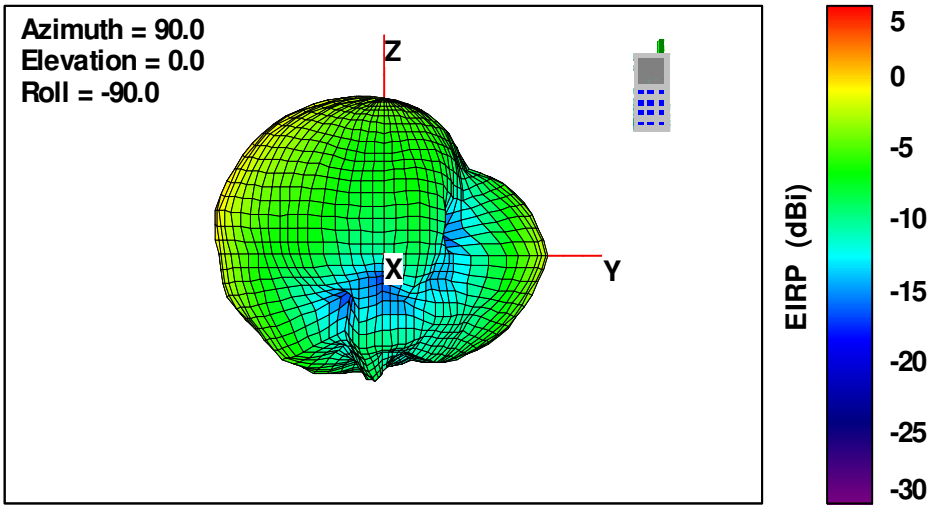
Top View 4900MHz



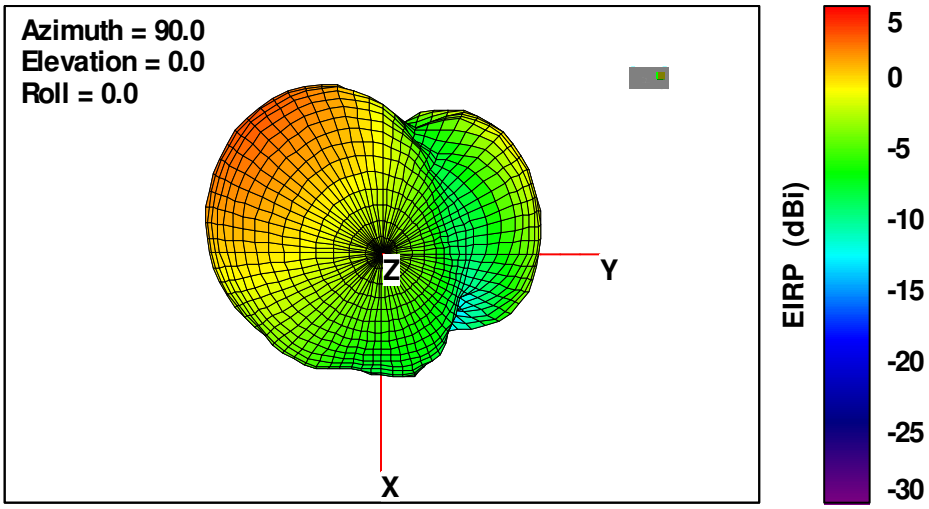
Left Sideview 4900MHz



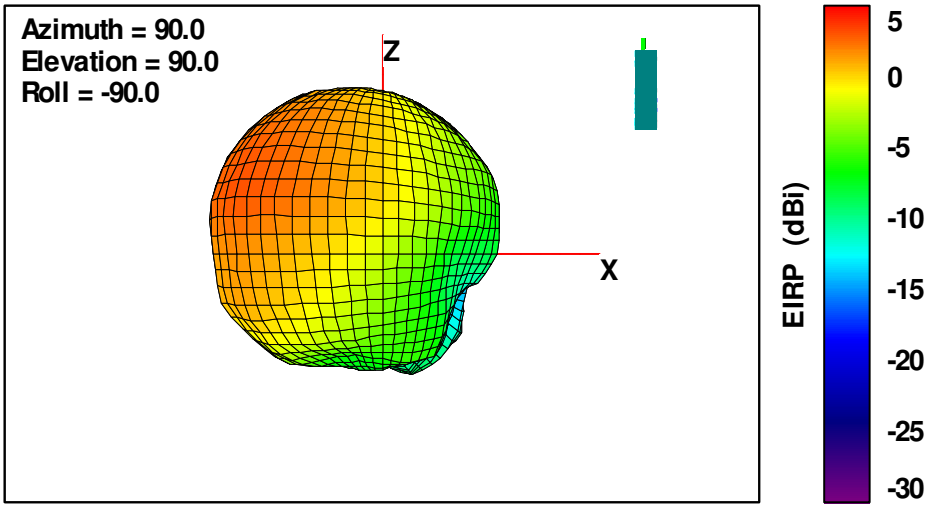
Front View 4900MHz



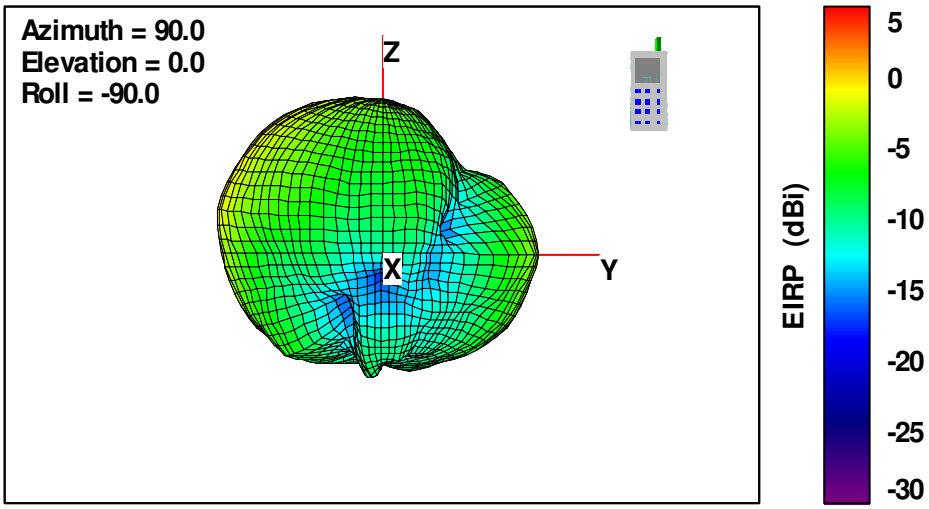
Top View 5000MHz



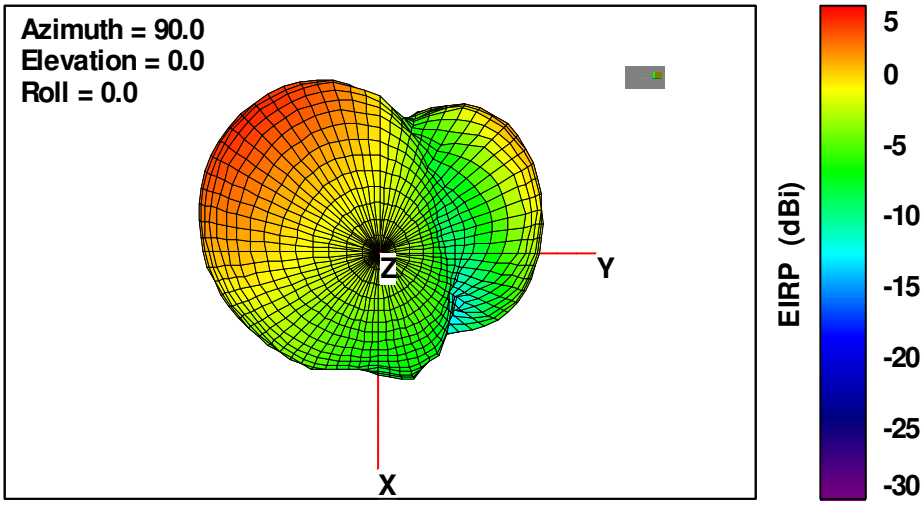
Left Sideview 5000MHz



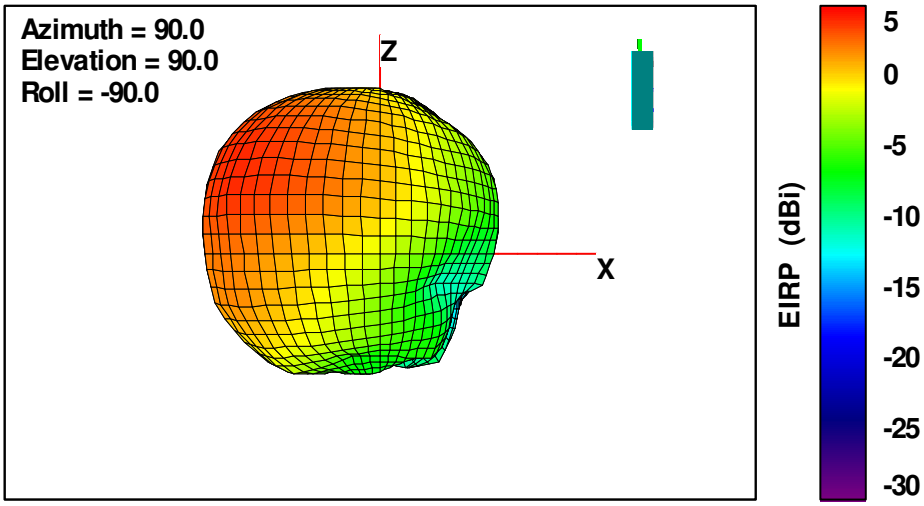
Front View 5000MHz



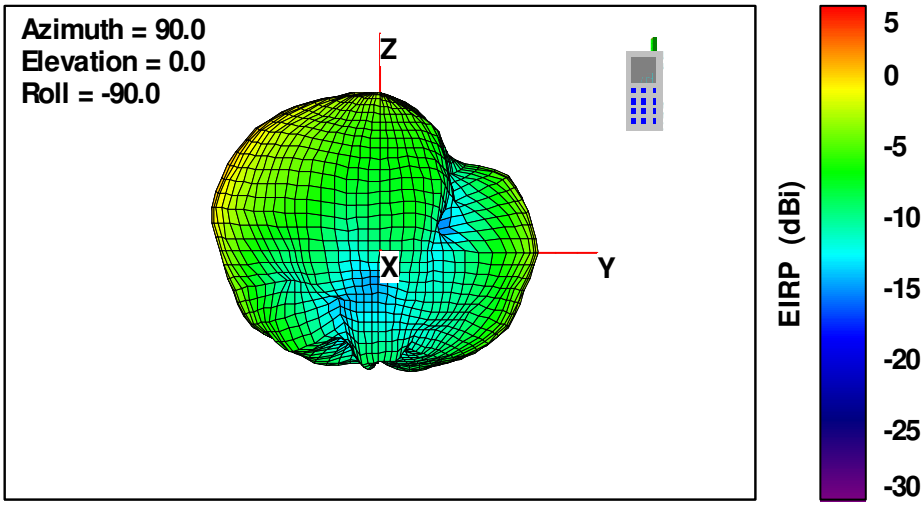
Top View 5100MHz



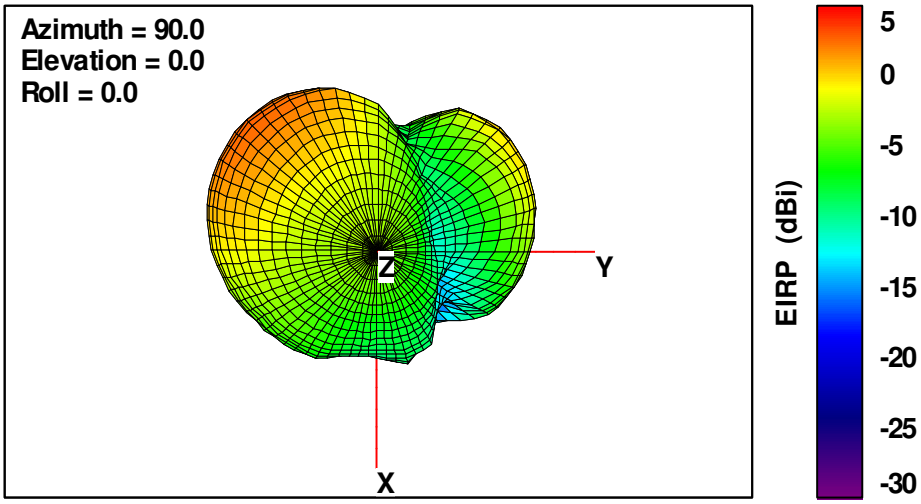
Left Sdieview 5100MHz



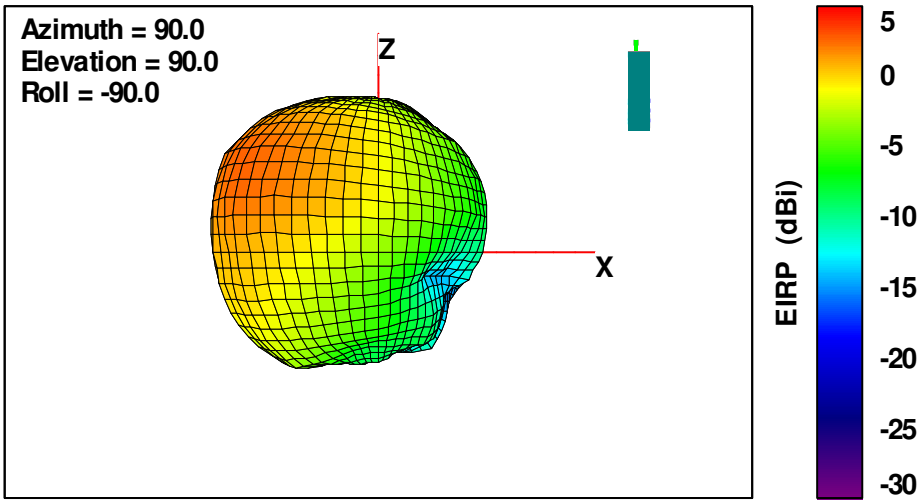
Front View 5100MHz



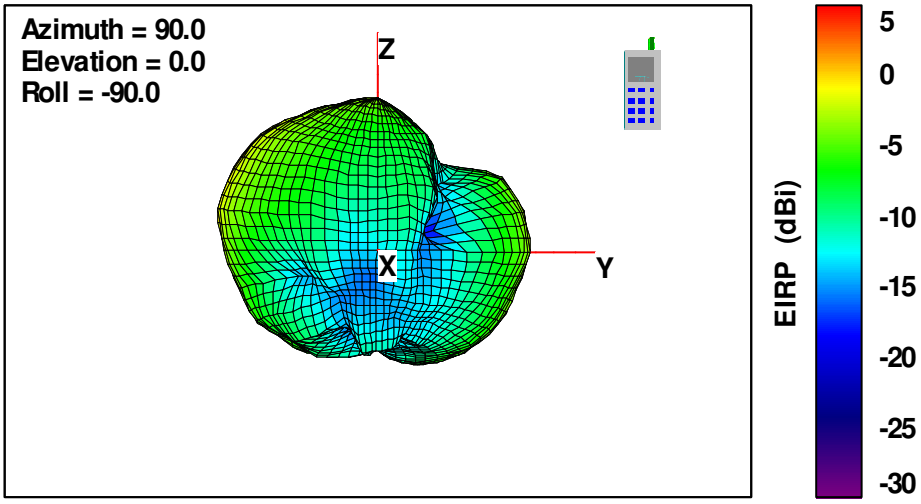
Top View 5150MHz



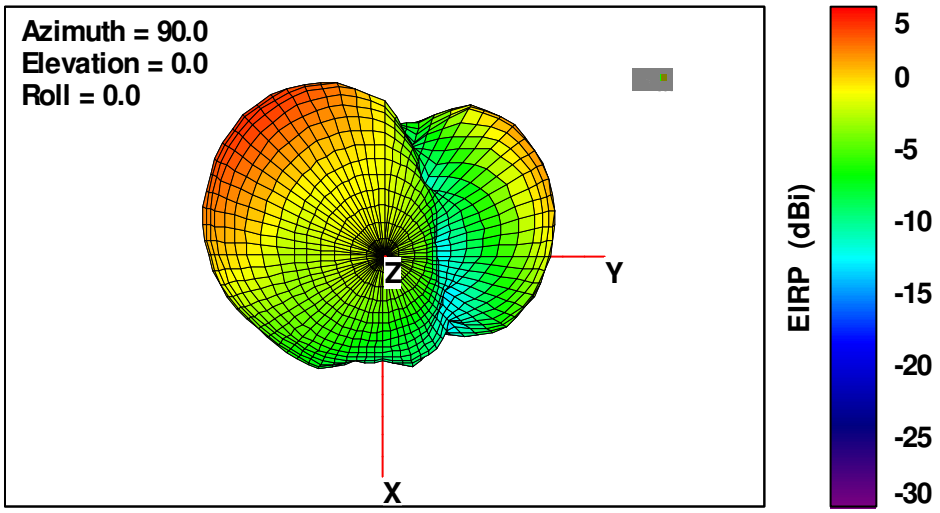
Left Sideview 5150MHz



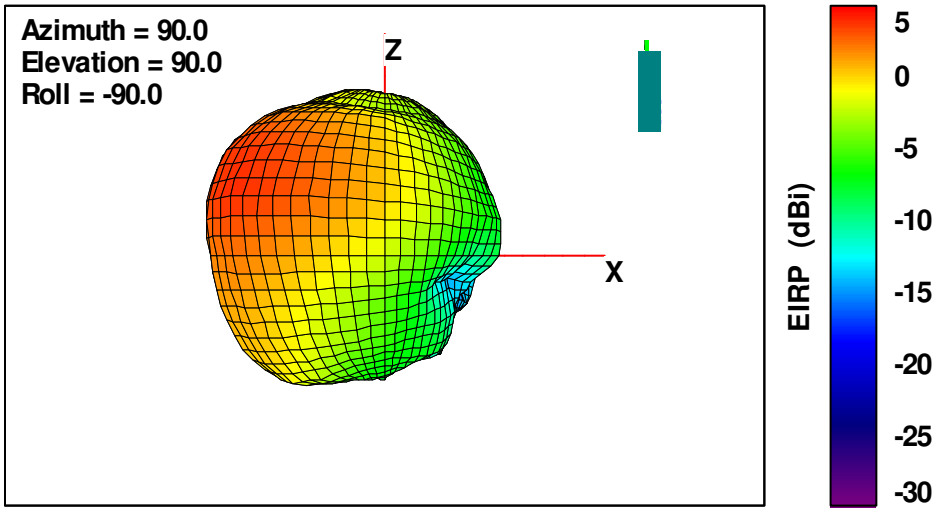
Front View 5150MHz



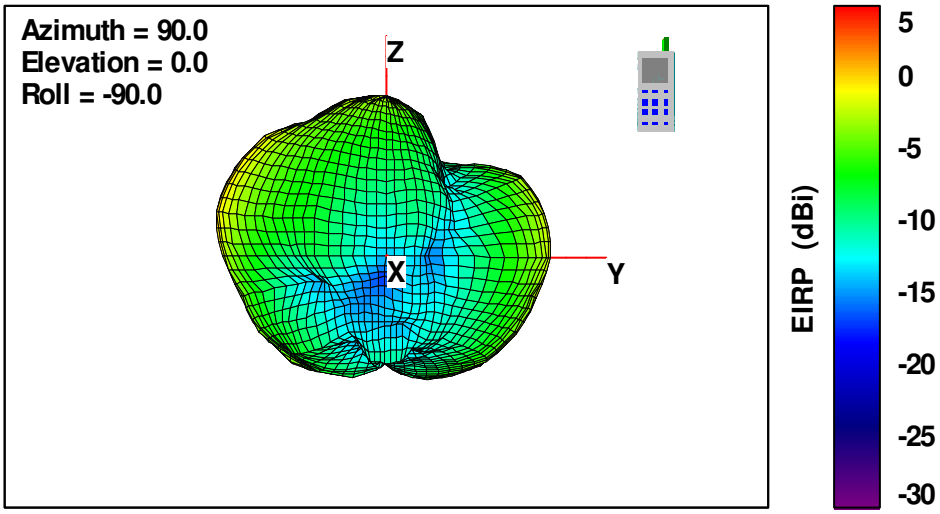
Top View 5250MHz



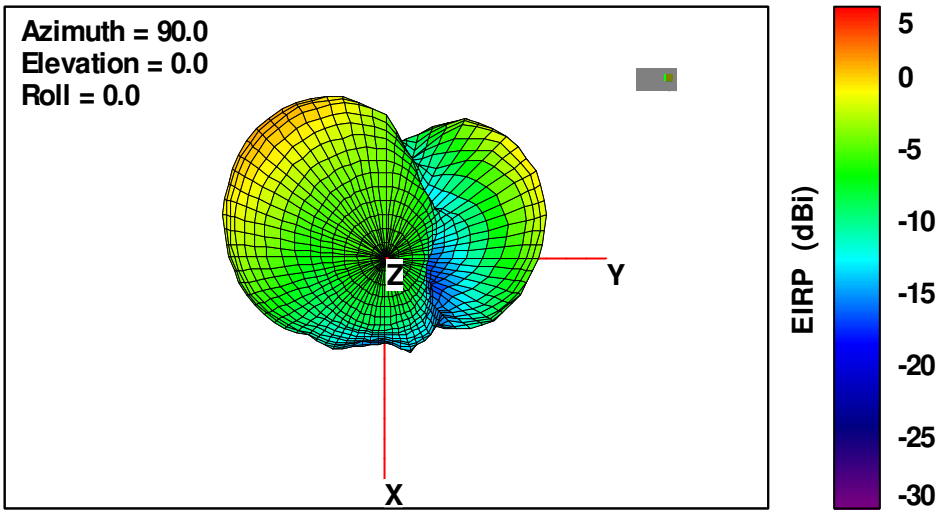
Left Sdieview 5250MHz



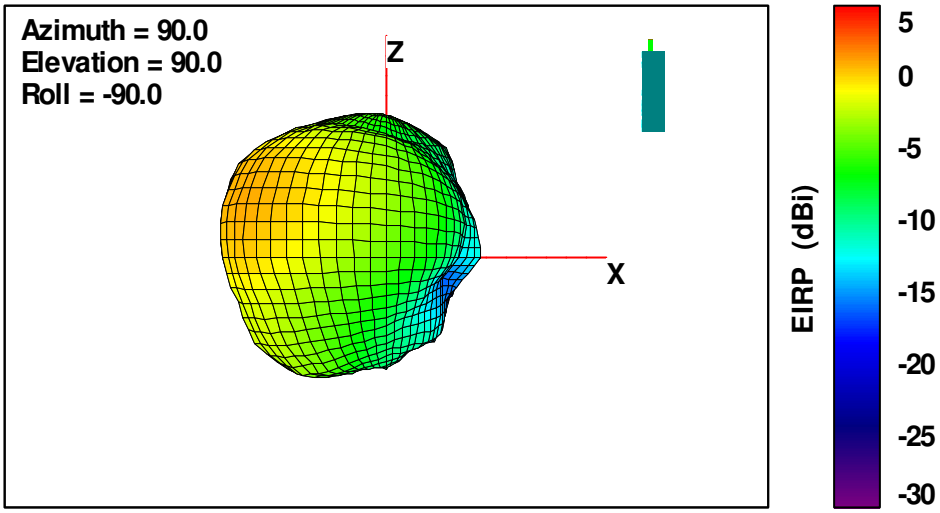
Front View 5250MHz



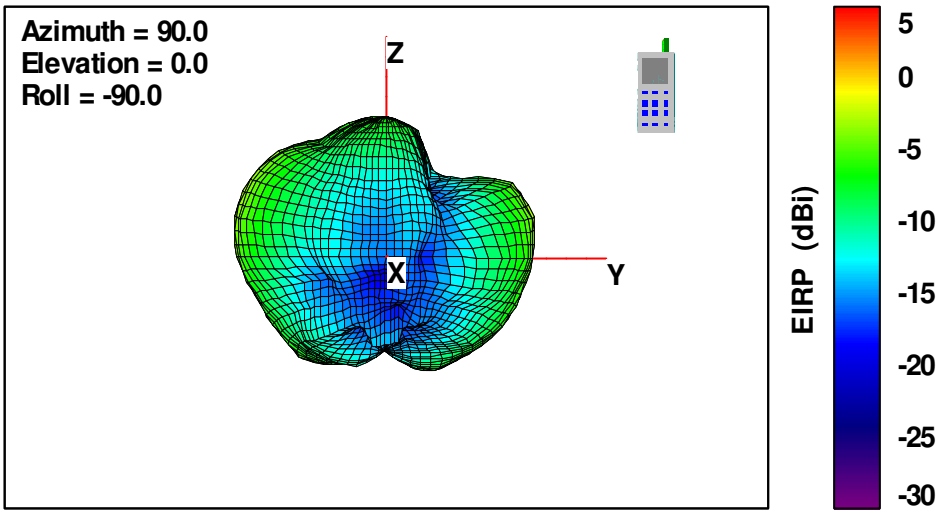
Top View 5350MHz



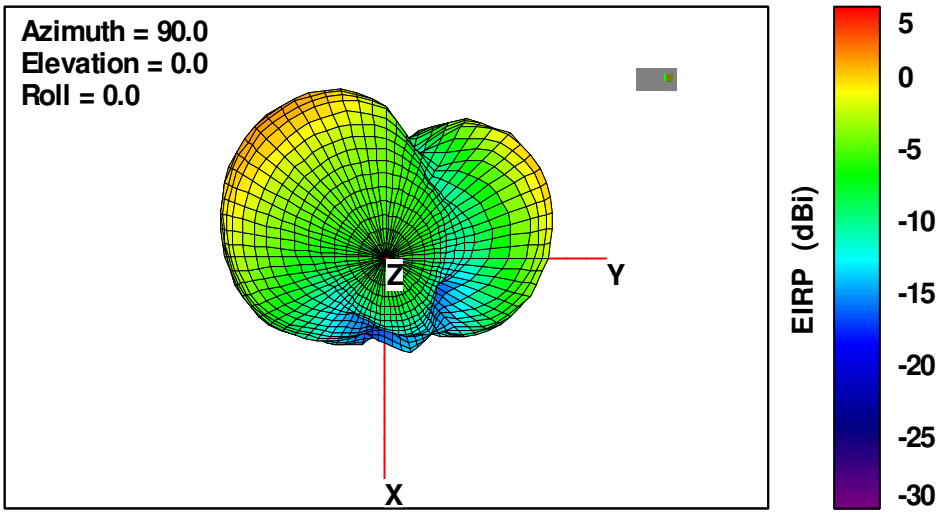
Left Sideview 5350MHz



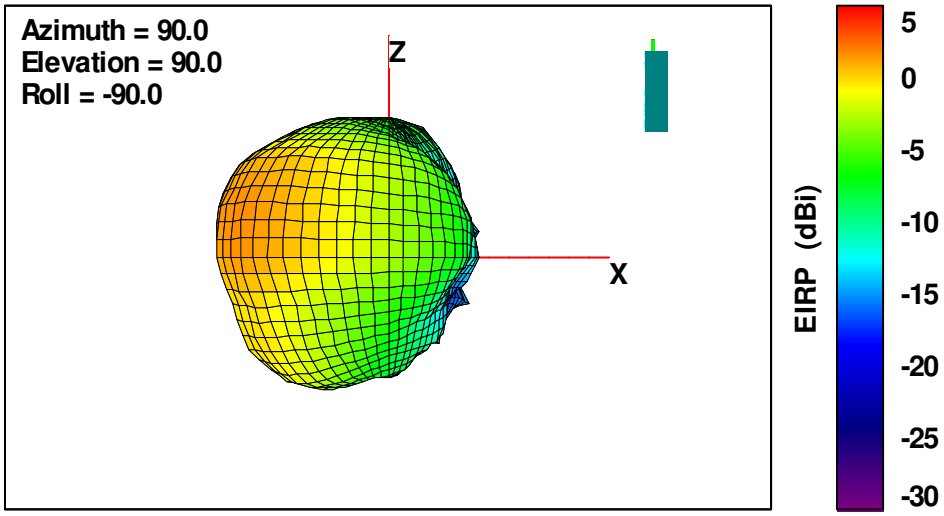
Front View 5350MHz



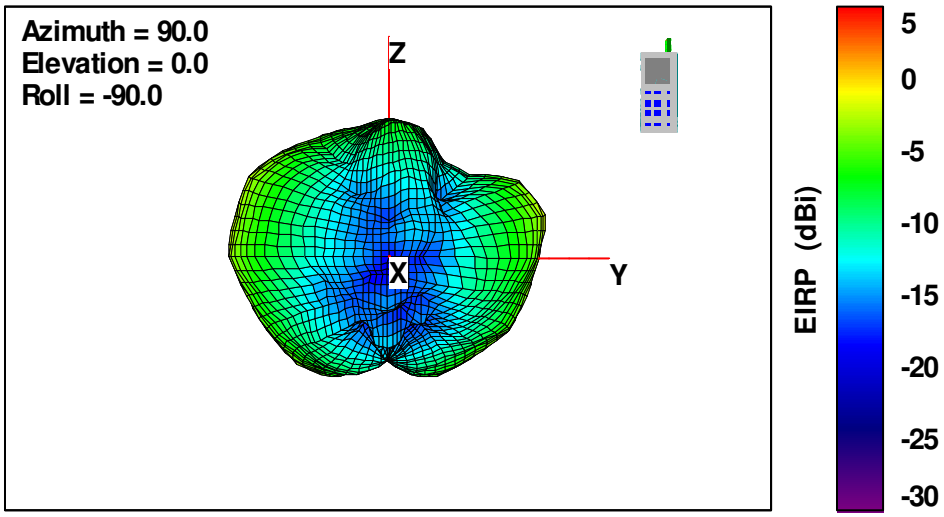
Top View 5470MHz



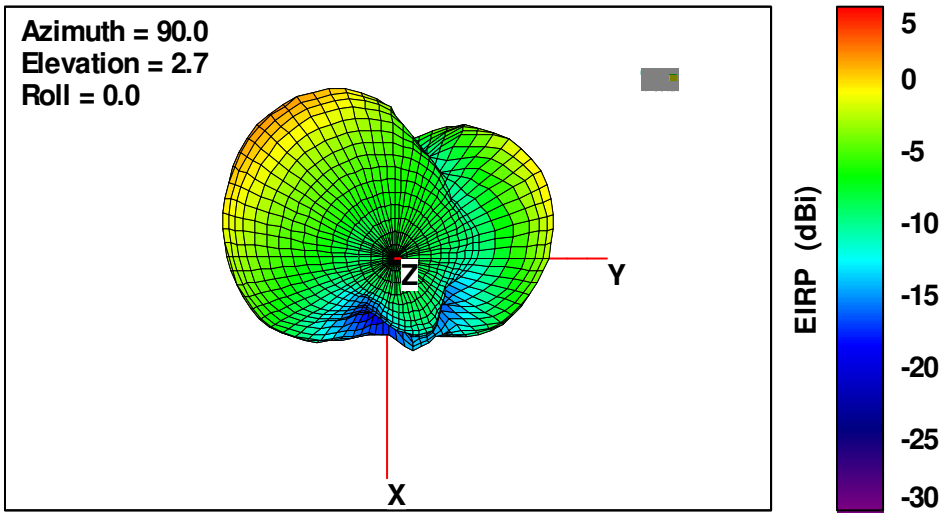
Left Sideview 5470MHz



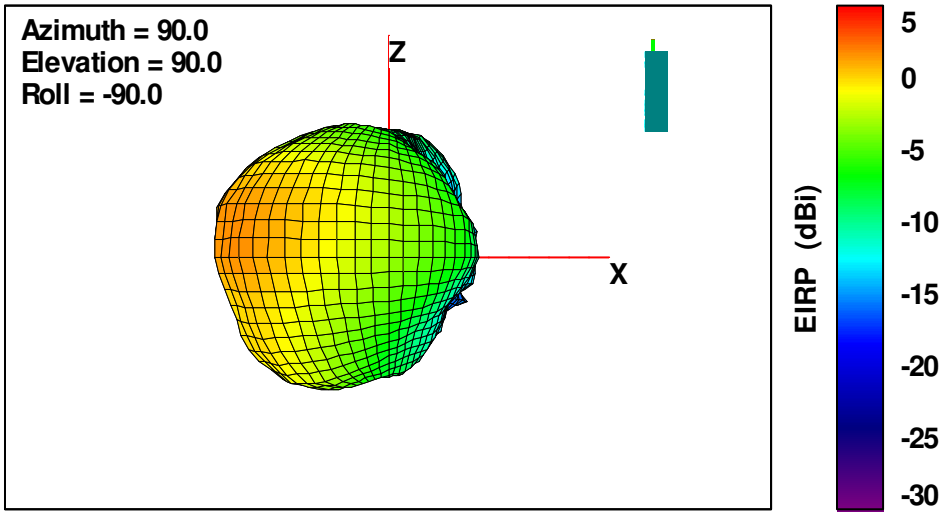
Front View 5470MHz



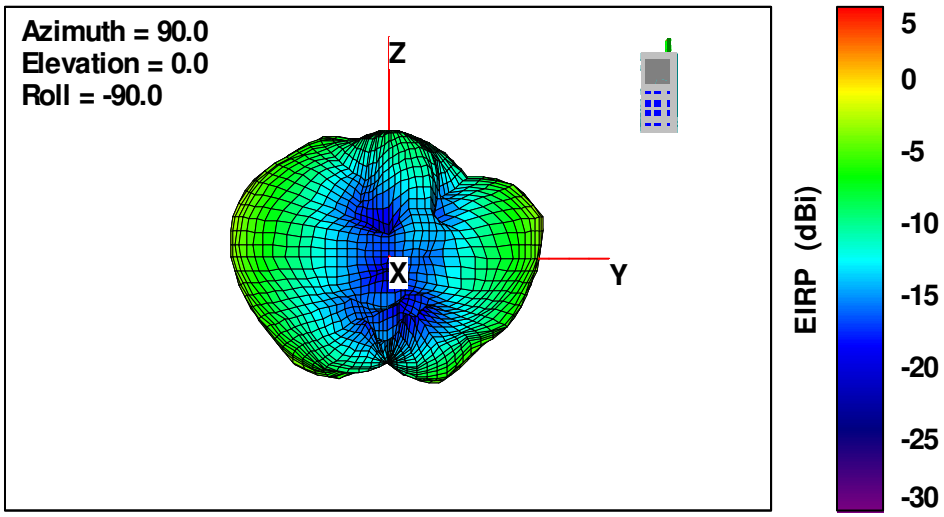
Top View 5600MHz



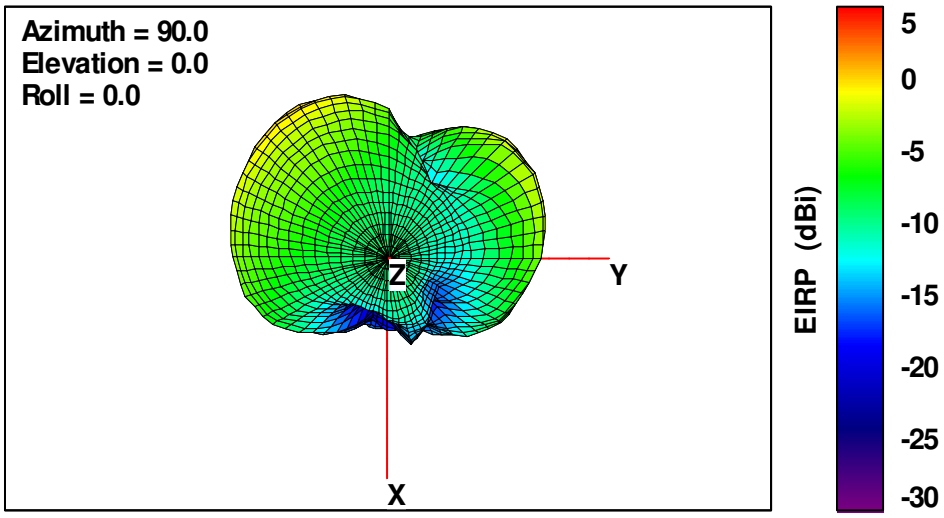
Left Sideview 5600MHz



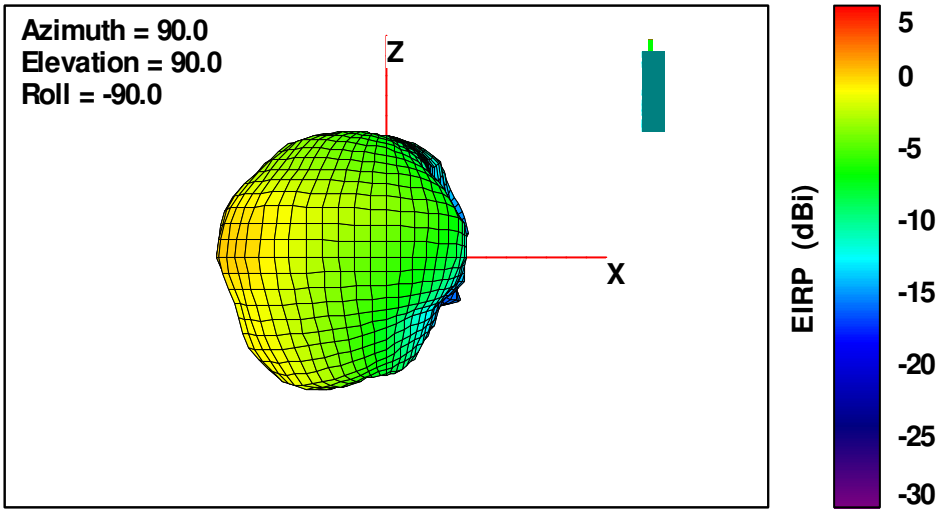
Front View 5600MHz



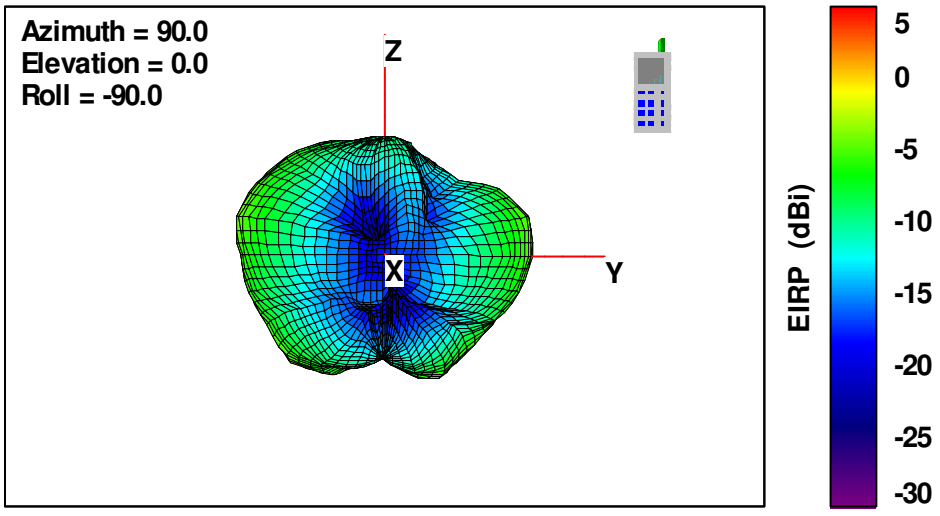
Top View 5725MHz



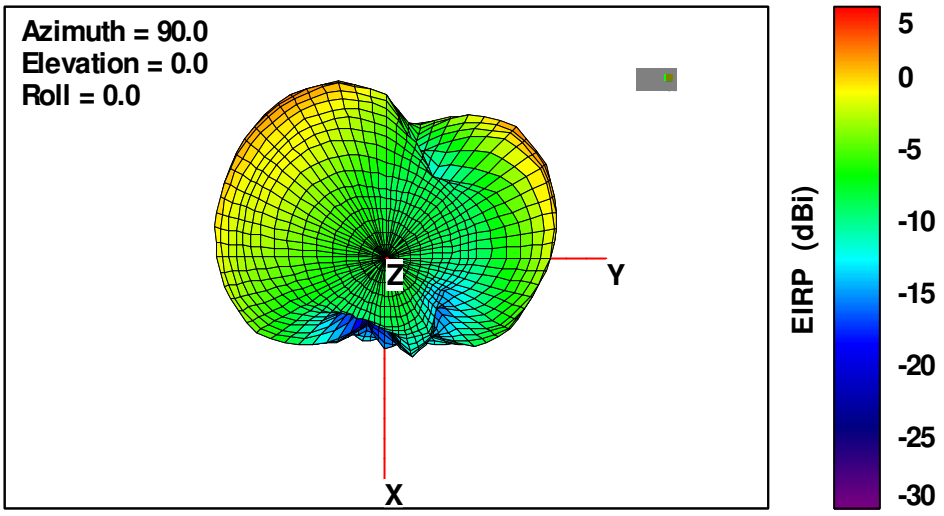
Left Sdieview 5725MHz



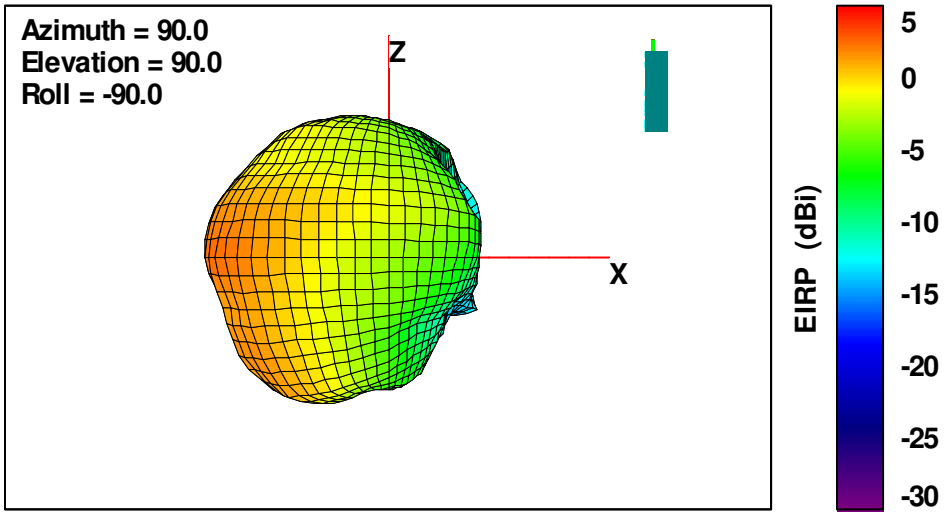
Front View 5725MHz



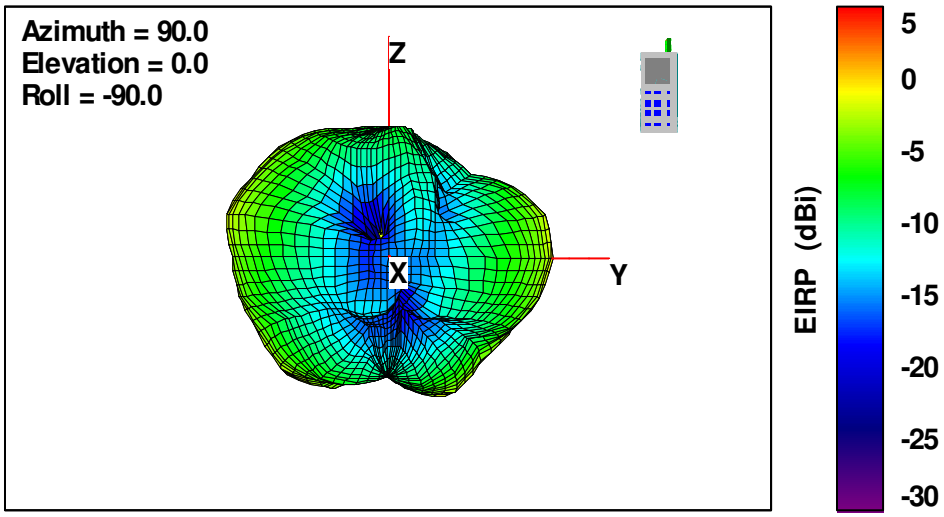
Top View 5775MHz



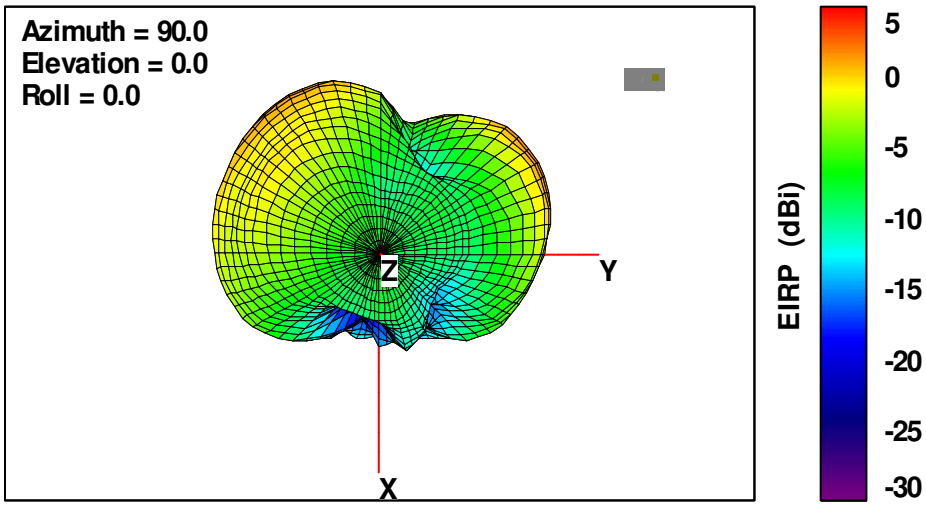
Left Sdieview 5775MHz



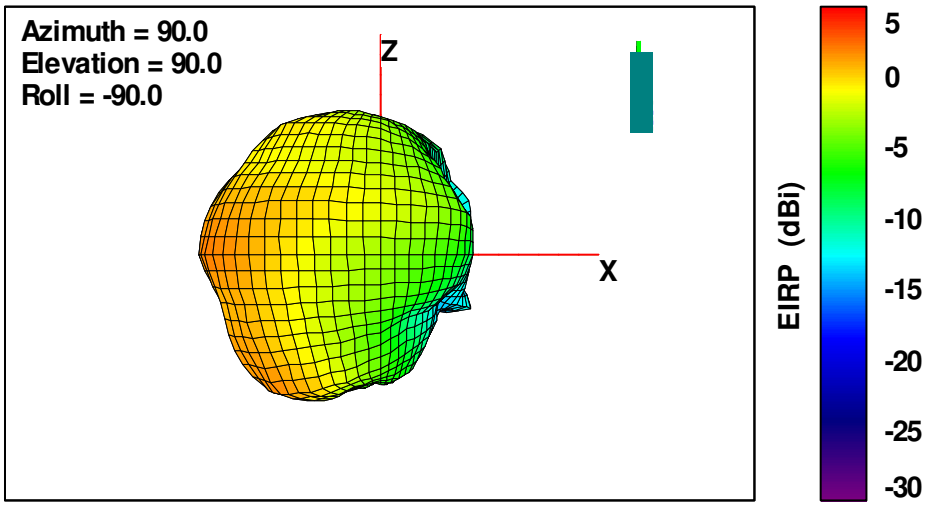
Front View 5775MHz



Top View 5825MHz



Left Sdieview 5825MHz



Front View 5825MHz