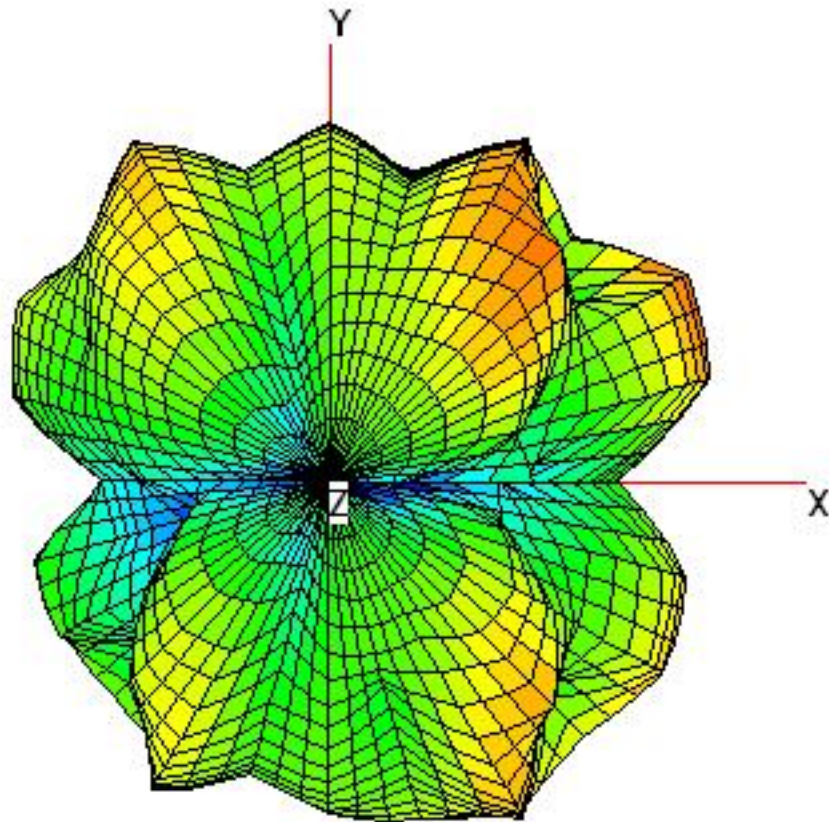


Test Date	2012/3/28											
Trade Name	* 新巨											
App.No	T120204D05											
Model Name	BW7050											
Test Mode Free Space & Talking Position	Free Space			Free Space			Free Space			Free Space		
Communication System												
Frequency	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	
OTA-02 Note												
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0	0	0	0	
Tot. Rad. Pwr. (dBm)	-7.4439	-7.3113	-7.0714	-6.95	-6.7038	-6.5071	-6.2982	-6.2276	-6.2155	-6.2016	-6.2528	
Peak EIRP (dBm)	0.0138	0.11192	0.33149	0.36874	0.4734	0.64573	0.76039	0.78802	0.75448	0.77839	0.7267	
Directivity (dBi)	7.4577	7.42323	7.4029	7.31869	7.17714	7.15284	7.05859	7.01562	6.96996	6.97998	6.97946	
Efficiency (dB)	-7.4439	-7.3113	-7.0714	-6.95	-6.7038	-6.5071	-6.2982	-6.2276	-6.2155	-6.2016	-6.2528	
Efficiency (%)	18.014	18.5724	19.6272	20.1839	21.3612	22.3506	23.452	23.8364	23.903	23.9796	23.6987	
Gain (dBi)	0.0138	0.11192	0.33149	0.36874	0.4734	0.64573	0.76039	0.78802	0.75448	0.77839	0.7267	
NHPRP $\pm\pi/4$ (dBm)	-8.5075	-8.3676	-8.1279	-8.013	-7.7704	-7.5784	-7.3732	-7.3022	-7.2957	-7.2808	-7.3376	
NHPRP $\pm\pi/6$ (dBm)	-9.696	-9.554	-9.3141	-9.2025	-8.9687	-8.786	-8.5922	-8.5329	-8.5415	-8.5322	-8.5983	
NHPRP $\pm\pi/8$ (dBm)	-10.65	-10.504	-10.258	-10.139	-9.9044	-9.7199	-9.527	-9.4722	-9.4841	-9.4766	-9.5422	
Upper Hem. PRP (dBm)	-10.603	-10.584	-10.435	-10.375	-10.166	-9.985	-9.7794	-9.7036	-9.6867	-9.6759	-9.7199	
Lower Hem. PRP (dBm)	-10.31	-10.074	-9.7554	-9.5815	-9.3046	-9.0953	-8.8837	-8.8174	-8.8091	-8.7927	-8.8497	
NHPRP4 / TRP Ratio (dB)	-1.0636	-1.0563	-1.0564	-1.0631	-1.0667	-1.0713	-1.075	-1.0746	-1.0802	-1.0792	-1.0849	
NHPRP4 / TRP Ratio (%)	78.2778	78.41	78.4072	78.2879	78.2225	78.1404	78.0734	78.0808	77.9794	77.998	77.8953	
Near Horz. TRP for $\pm\pi/4$ (dBm)	-7.0024	-6.8625	-6.6227	-6.5079	-6.2653	-6.0732	-5.868	-5.797	-5.7905	-5.7756	-5.8325	
NHPRP6 / TRP Ratio (dB)	-2.2521	-2.2427	-2.2427	-2.2526	-2.265	-2.2789	-2.294	-2.3053	-2.326	-2.3306	-2.3455	
NHPRP6 / TRP Ratio (%)	59.5376	59.6664	59.667	59.5309	59.3611	59.1715	58.966	58.813	58.5326	58.4714	58.2701	
Near Horz. TRP for $\pm\pi/6$ (dBm)	-6.6857	-6.5437	-6.3038	-6.1922	-5.9584	-5.7757	-5.5819	-5.5226	-5.5312	-5.5219	-5.588	
NHPRP8 / TRP Ratio (dB)	-3.2063	-3.1924	-3.1861	-3.1895	-3.2006	-3.2128	-3.2288	-3.2446	-3.2687	-3.2751	-3.2894	
NHPRP8 / TRP Ratio (%)	47.7933	47.9467	48.0163	47.9795	47.8559	47.7219	47.5463	47.3743	47.1123	47.0429	46.8876	
Near Horz. TRP for $\pm\pi/8$ (dBm)	-6.4786	-6.3321	-6.0859	-5.9678	-5.7328	-5.5483	-5.3554	-5.3006	-5.3125	-5.305	-5.3706	
UHPRP / TRP Ratio (dB)	-3.1591	-3.2725	-3.3632	-3.4253	-3.4625	-3.4779	-3.4812	-3.476	-3.4712	-3.4743	-3.4672	
UHPRP / TRP Ratio (%)	48.3161	47.0709	46.0981	45.4435	45.056	44.8961	44.8619	44.9163	44.9656	44.9334	45.0071	
Upper Hem.Total Radiated Pwr (dBm)	-7.5927	-7.5735	-7.4243	-7.3649	-7.1559	-6.9747	-6.7691	-6.6933	-6.6764	-6.6656	-6.7096	
LHPRP / TRP Ratio (dB)	-2.8665	-2.7631	-2.684	-2.6315	-2.6008	-2.5882	-2.5855	-2.5898	-2.5937	-2.5911	-2.5969	
LHPRP / TRP Ratio (%)	51.6839	52.9291	53.9019	54.5565	54.944	55.1039	55.1381	55.0837	55.0344	55.0666	54.9929	
Lower Hem. Total Radiated Pwr(dBm)	-7.3001	-7.0641	-6.7451	-6.5712	-6.2943	-6.085	-5.8734	-5.8071	-5.7988	-5.7824	-5.8394	
Front/Back Ratio (dB)	10.5527	10.1862	10.0786	9.82439	9.53421	9.53107	9.21494	9.13273	9.05165	9.10699	9.28074	
Phi BW (°)	37	38	39	40	41	40	40	40	40	39	62	

+ Phi BW (°)	10	11	11	12	12	12	12	12	12	12	20	
- Phi BW (°)	27	27	28	28	29	28	28	28	28	27	42	
Theta BW (°)	49	51	51	52	54	54	55	54	55	54	59	
+ Th. BW (°)	28	29	29	30	31	32	33	33	34	34	47	
- Th. BW (°)	21	22	22	22	23	22	22	21	21	20	12	
Boresight Phi (°)	30	30	30	30	30	30	30	30	30	30	15	
Boresight Th. (°)	105	105	105	105	105	105	105	105	105	105	90	
Maximum Power (dBm)	0.0138	0.11192	0.33149	0.36874	0.4734	0.64573	0.76039	0.78802	0.75448	0.77839	0.7267	
Minimum Power (dBm)	-24.255	-26.703	-25.164	-23.266	-21.744	-20.406	-21.385	-22.476	-23.173	-22.552	-21.964	
Average Power (dBm)	-8.3079	-8.195	-7.9692	-7.8547	-7.6198	-7.4314	-7.2209	-7.1523	-7.1316	-7.1062	-7.1358	
Max/Min Ratio (dB)	24.2686	26.8152	25.4949	23.6345	22.2176	21.0512	22.1455	23.2637	23.9277	23.33	22.691	
Max/Avg Ratio (dB)	8.32167	8.30687	8.30064	8.22345	8.09321	8.07712	7.98133	7.9403	7.88612	7.88458	7.86247	
Min/Avg Ratio (dB)	-15.947	-18.508	-17.194	-15.411	-14.124	-12.974	-14.164	-15.323	-16.042	-15.446	-14.829	
Average Gain (dB)	-7.4439	-7.3113	-7.0714	-6.95	-6.7038	-6.5071	-6.2982	-6.2276	-6.2155	-6.2016	-6.2528	
E-Plane BW (°)	46	49	50	51	54	54	56	58	58	58	61	
+ E-Plane BW (°)	12	14	14	15	16	16	16	17	18	18	12	
- E-Plane BW (°)	34	35	36	36	38	38	40	41	40	40	49	
H-Plane BW (°)	35	35	35	35	35	35	36	35	35	35	62	
+ H-Plane BW (°)	13	13	14	14	14	15	15	14	14	13	45	
- H-Plane BW (°)	22	22	21	21	21	20	21	21	21	22	17	

Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

0

-5

-10

-15

-20

-25

-30

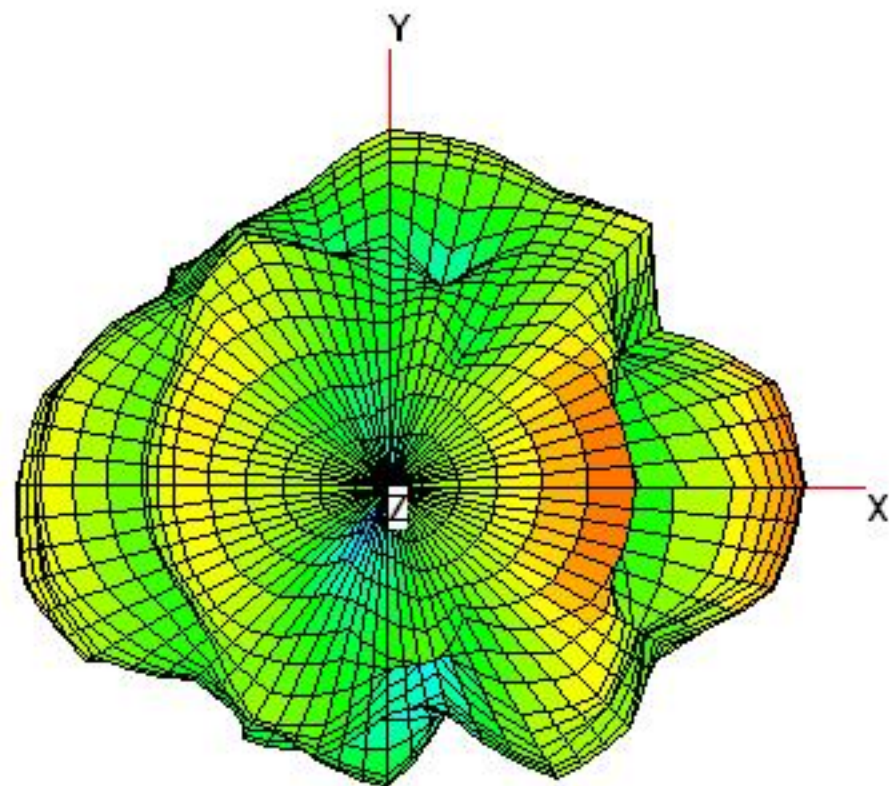
-35

-40

-45

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

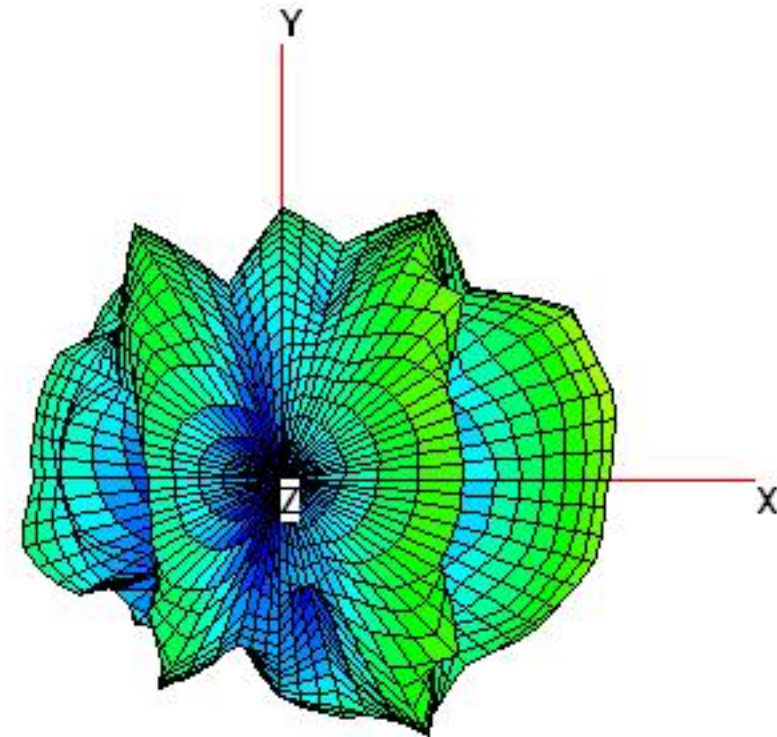


Response (dB)

0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

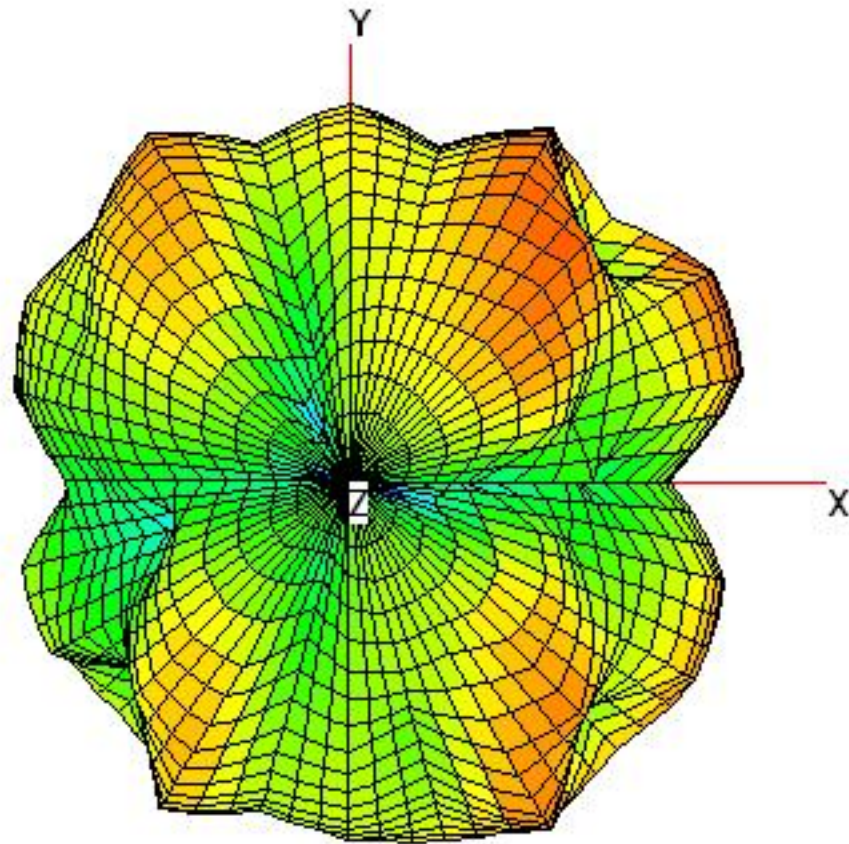


Response (dB)

5
0
-5
-10
-15
-20
-25

Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

0

-10

-20

-30

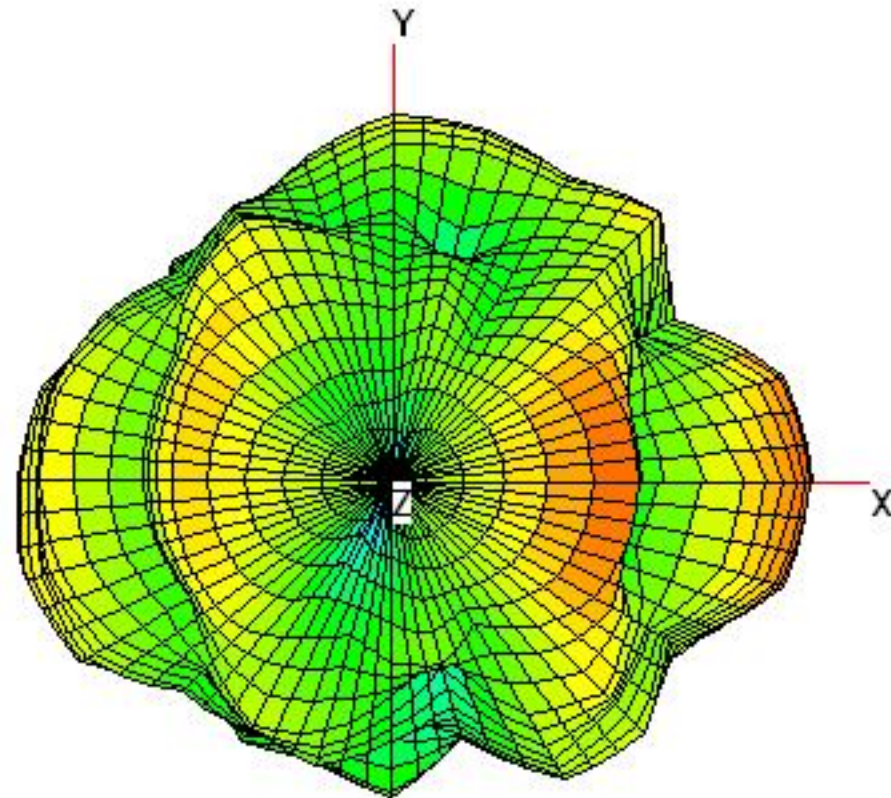
-40

-50

-60

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

0

-10

-20

-30

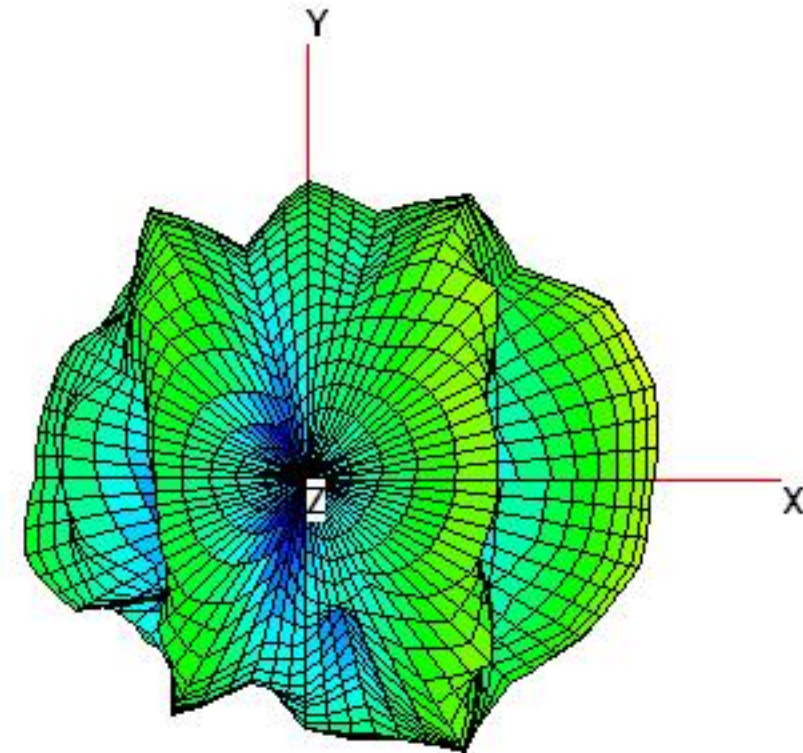
-40

-50

-60

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

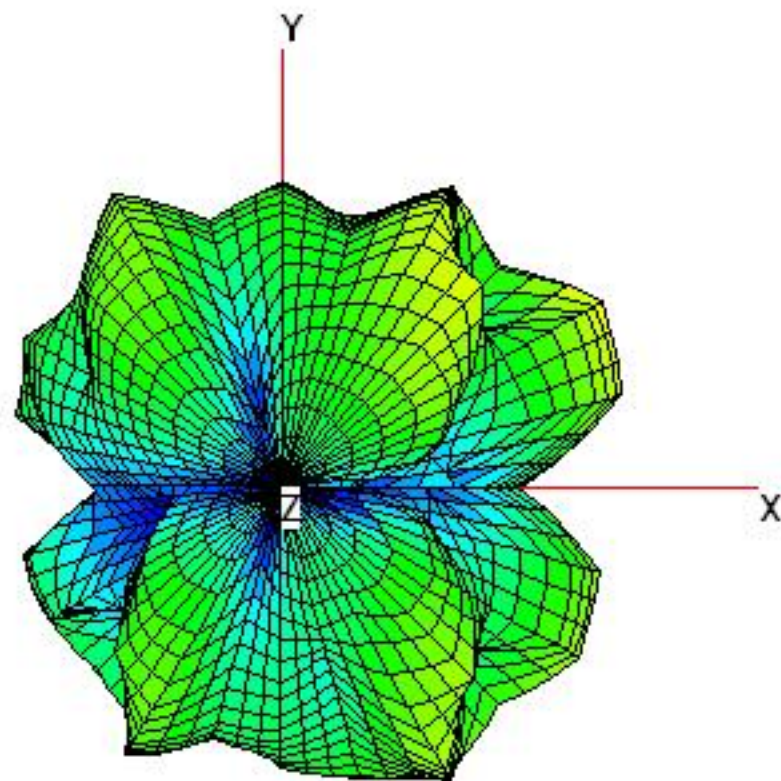


Response (dB)



Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

5

0

-5

-10

-15

-20

-25

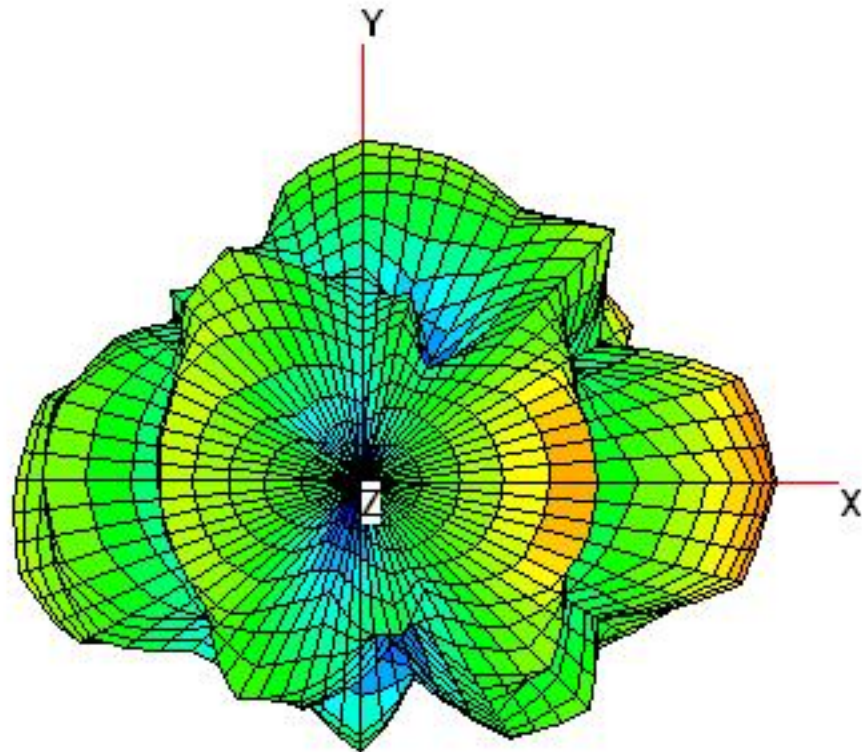
-30

-35

-40

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

0

-5

-10

-15

-20

-25

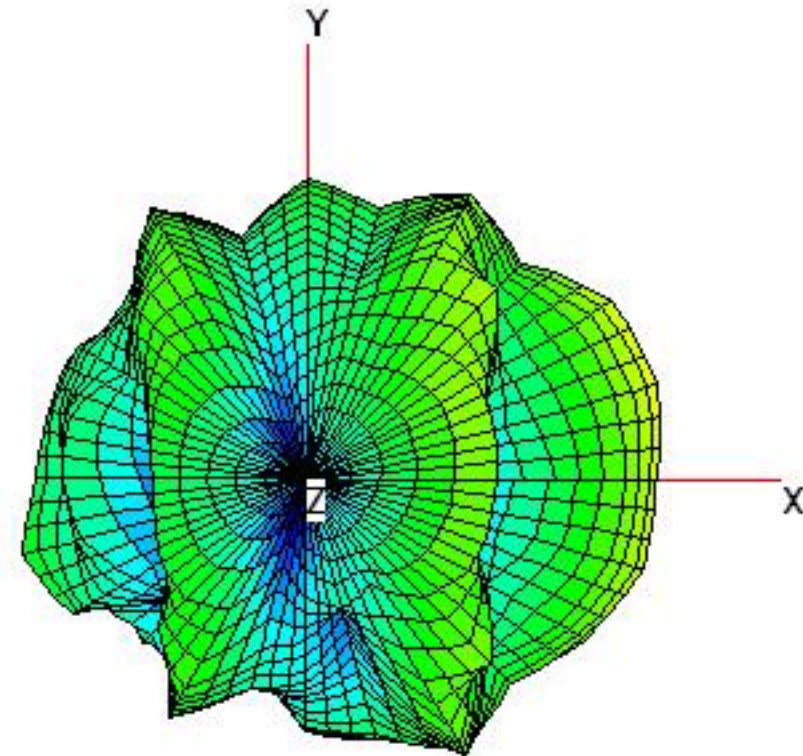
-30

-35

-40

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

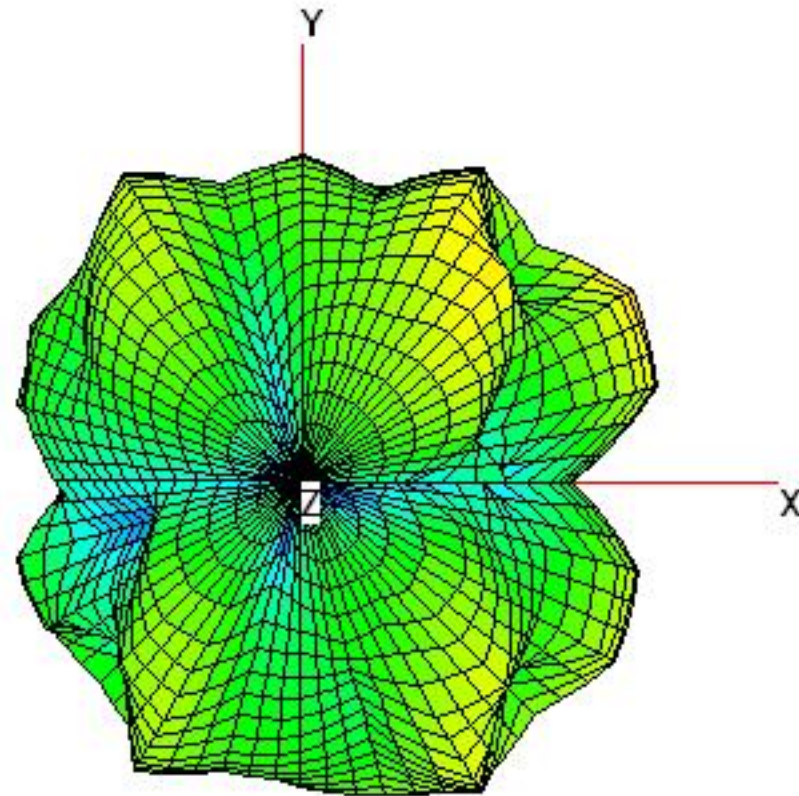


Response (dB)

5
0
-5
-10
-15
-20
-25
-30

Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

5

0

-5

-10

-15

-20

-25

-30

-35

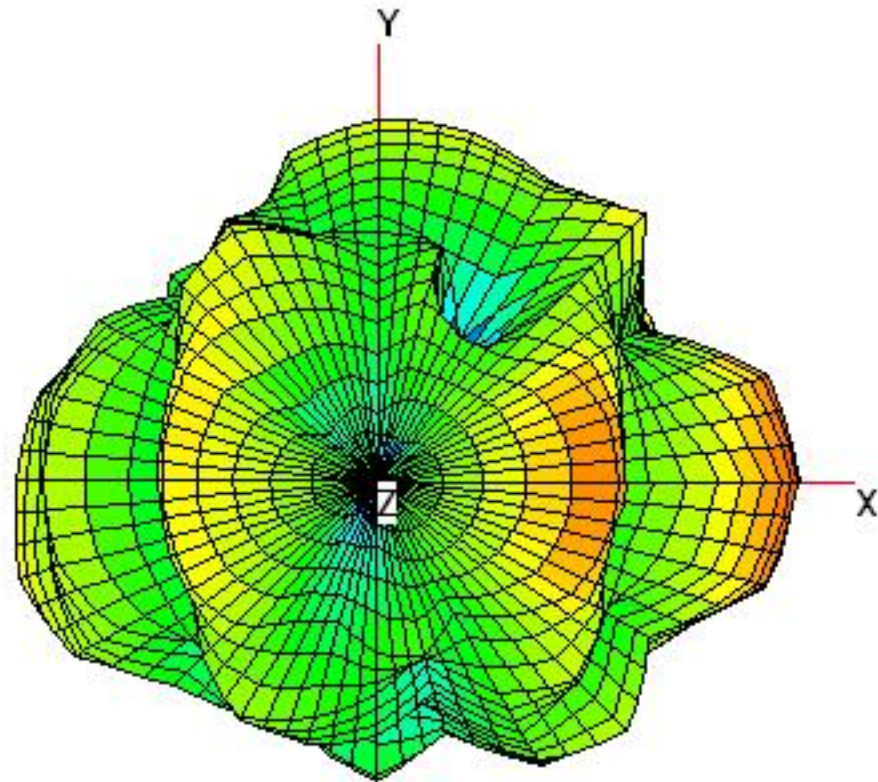
-40

-45

-50

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

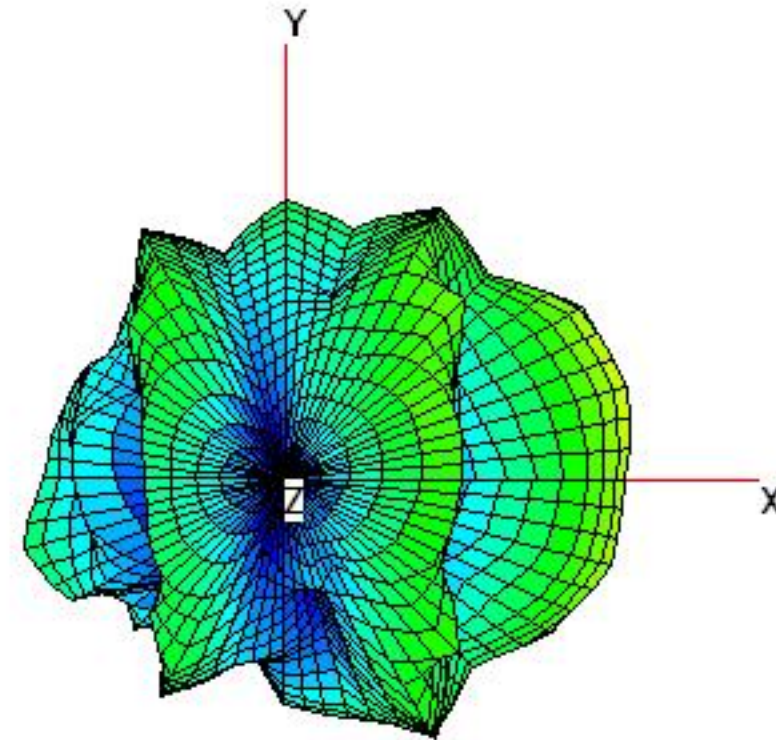


Response (dB)

0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

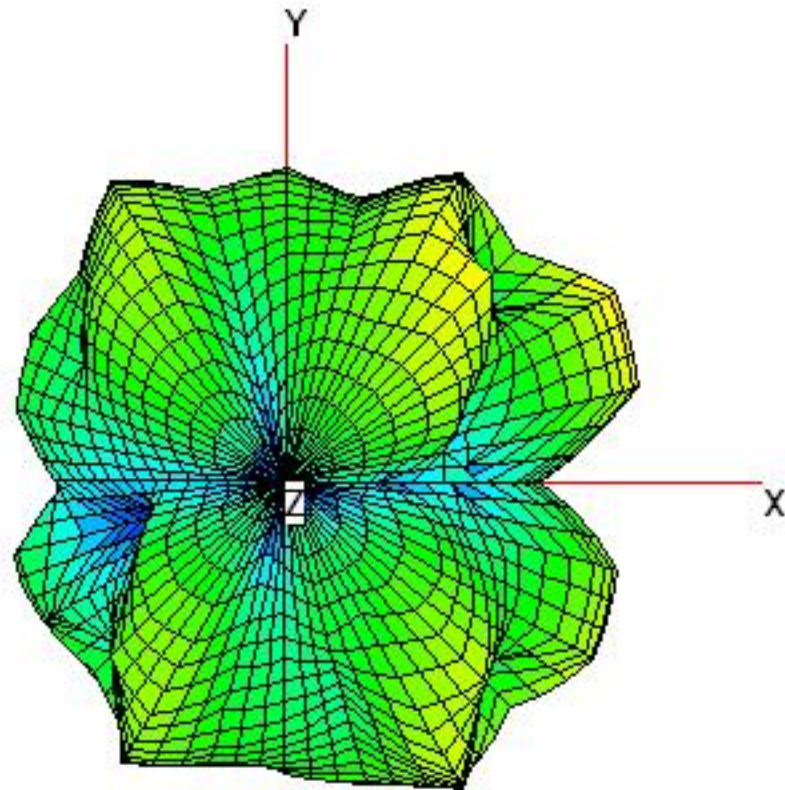


Response (dB)



Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

5

0

-5

-10

-15

-20

-25

-30

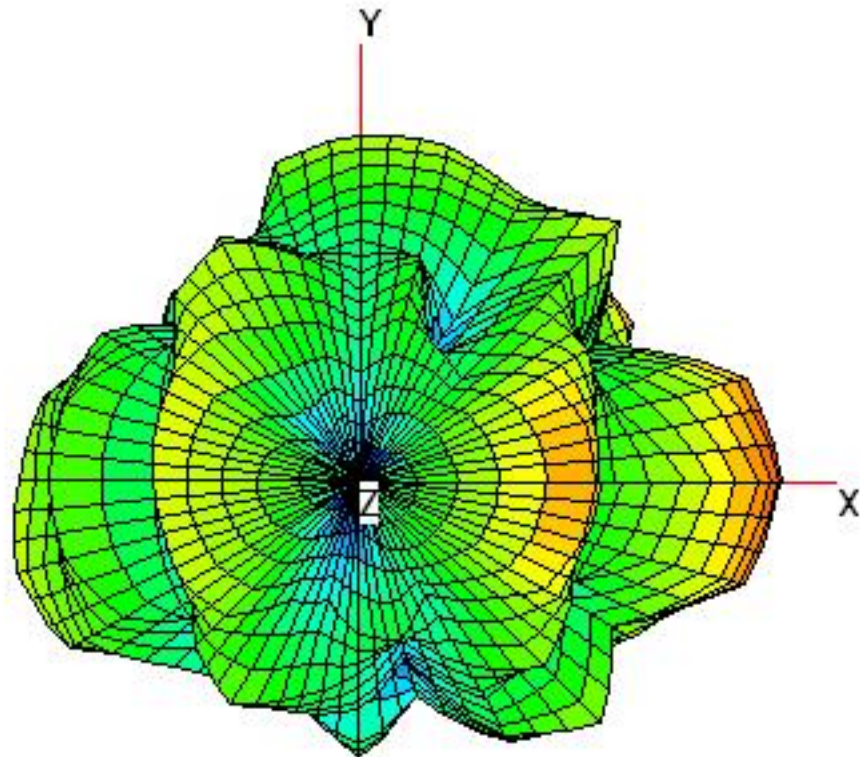
-35

-40

-45

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

0

-5

-10

-15

-20

-25

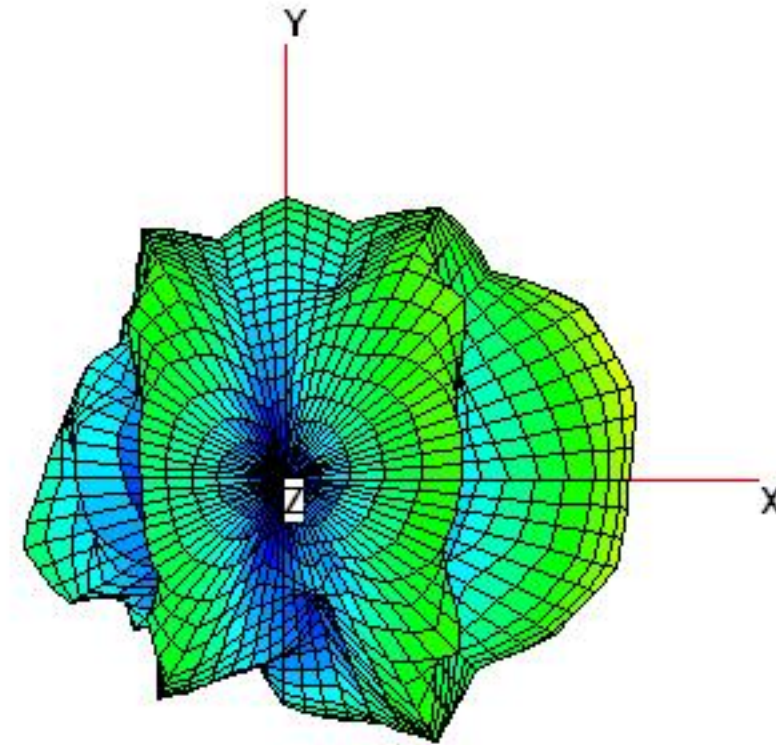
-30

-35

-40

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

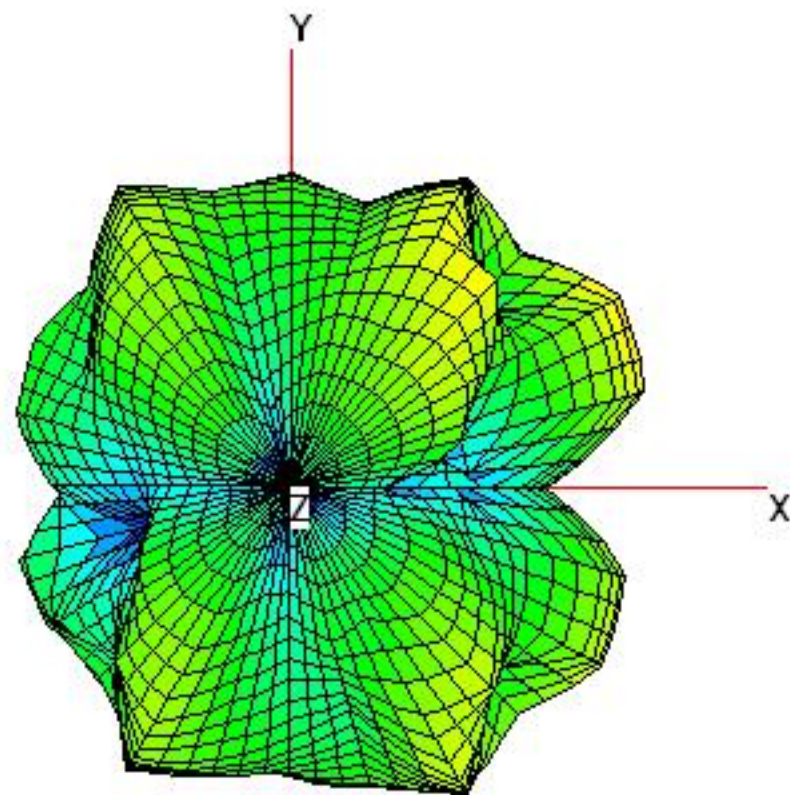


Response (dB)

5
0
-5
-10
-15
-20
-25

Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

5

0

-5

-10

-15

-20

-25

-30

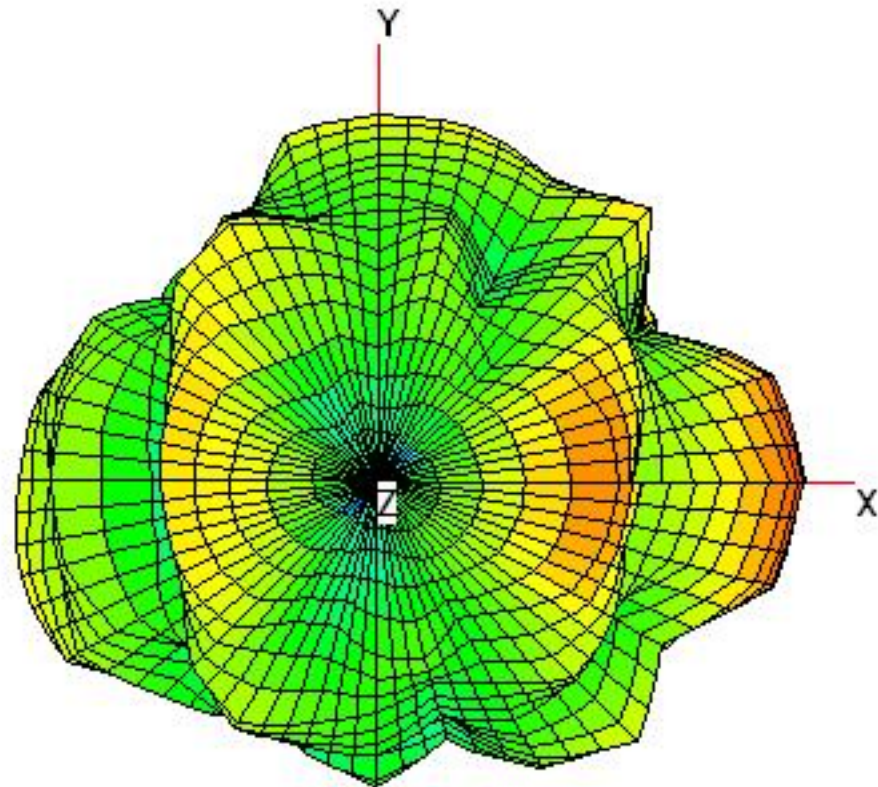
-35

-40

-45

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

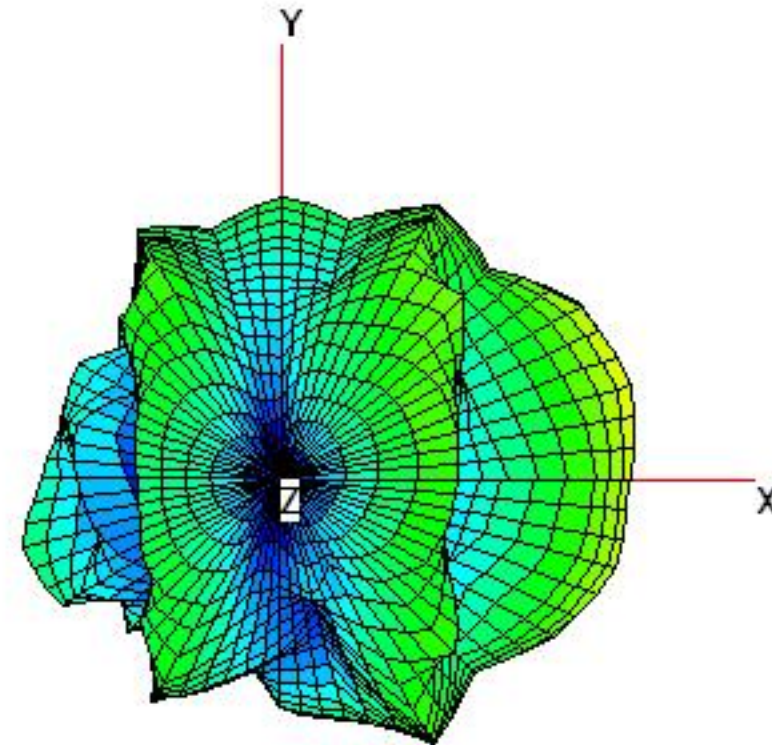


Response (dB)

0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

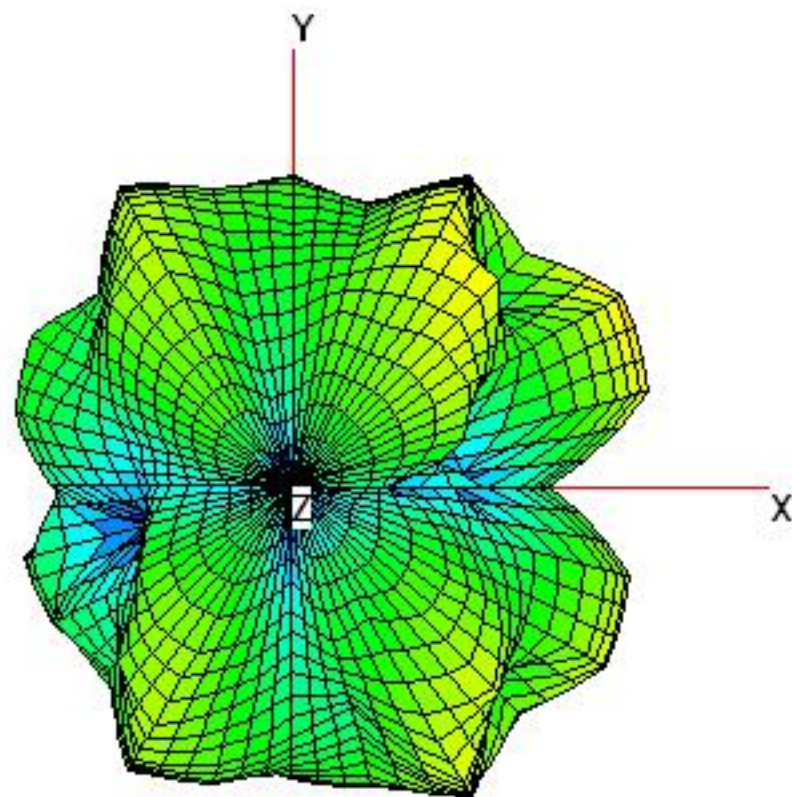


Response (dB)



Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

5

0

-5

-10

-15

-20

-25

-30

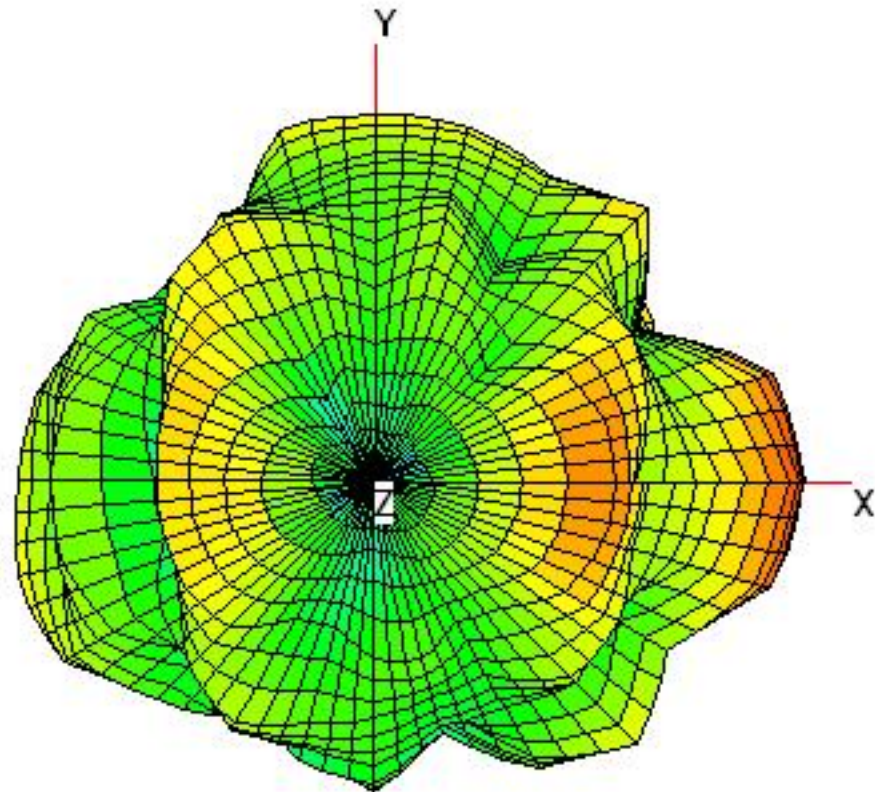
-35

-40

-45

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

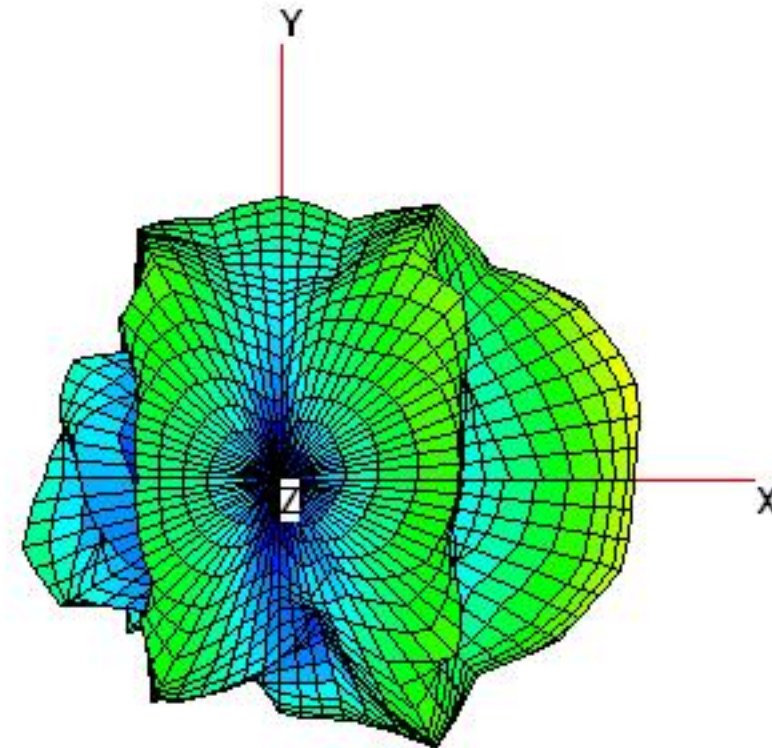


Response (dB)

0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

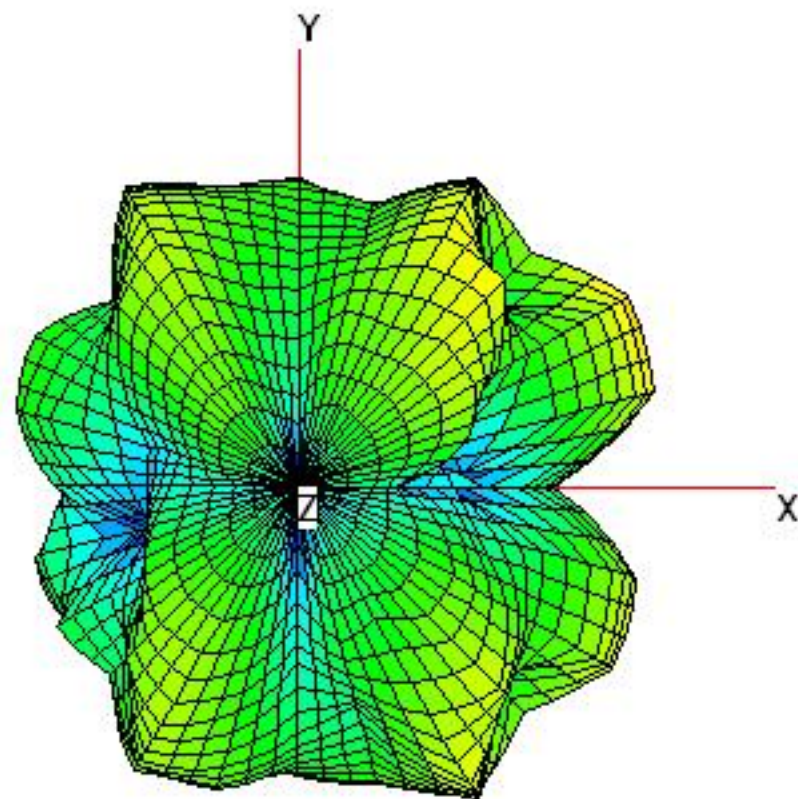


Response (dB)



Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

5

0

-5

-10

-15

-20

-25

-30

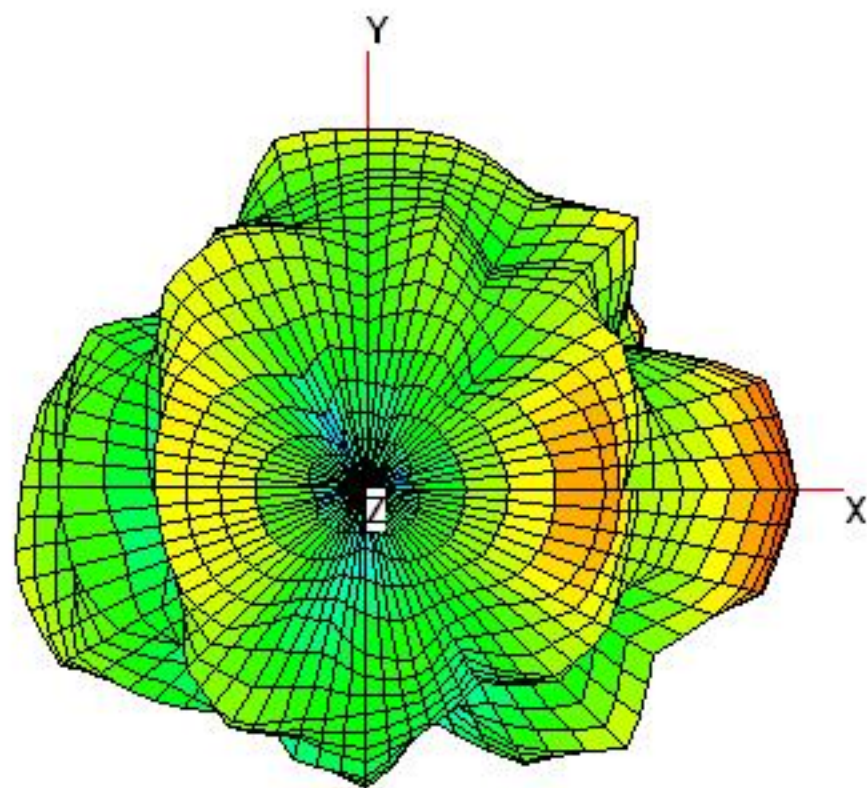
-35

-40

-45

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

0

-5

-10

-15

-20

-25

-30

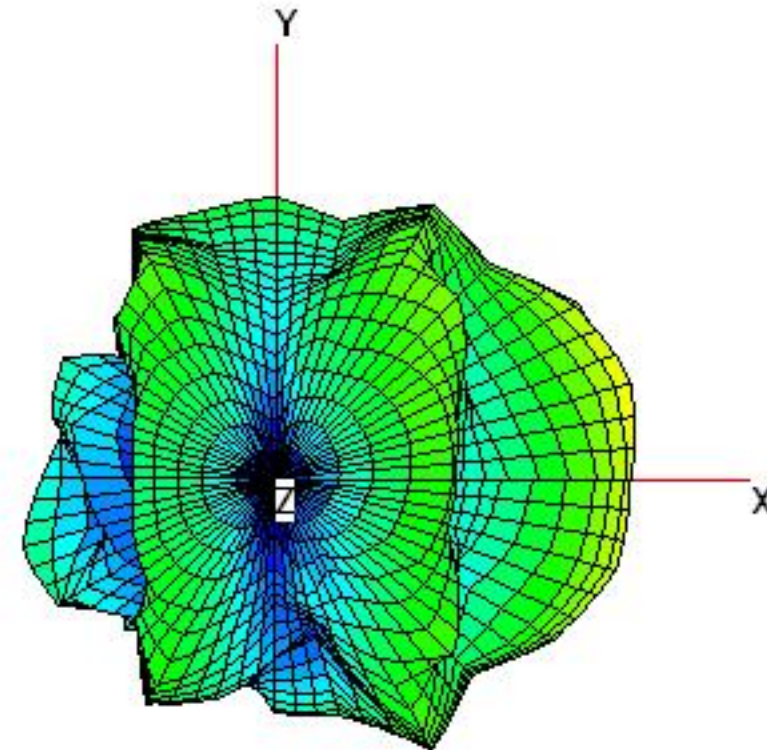
-35

-40

-45

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

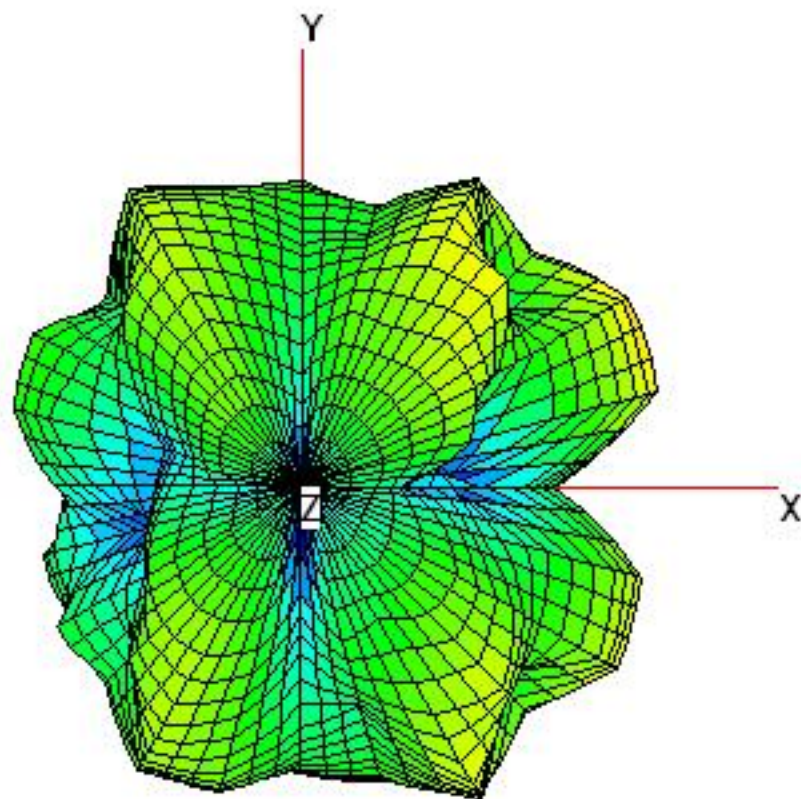


Response (dB)

5
0
-5
-10
-15
-20
-25

Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

5

0

-5

-10

-15

-20

-25

-30

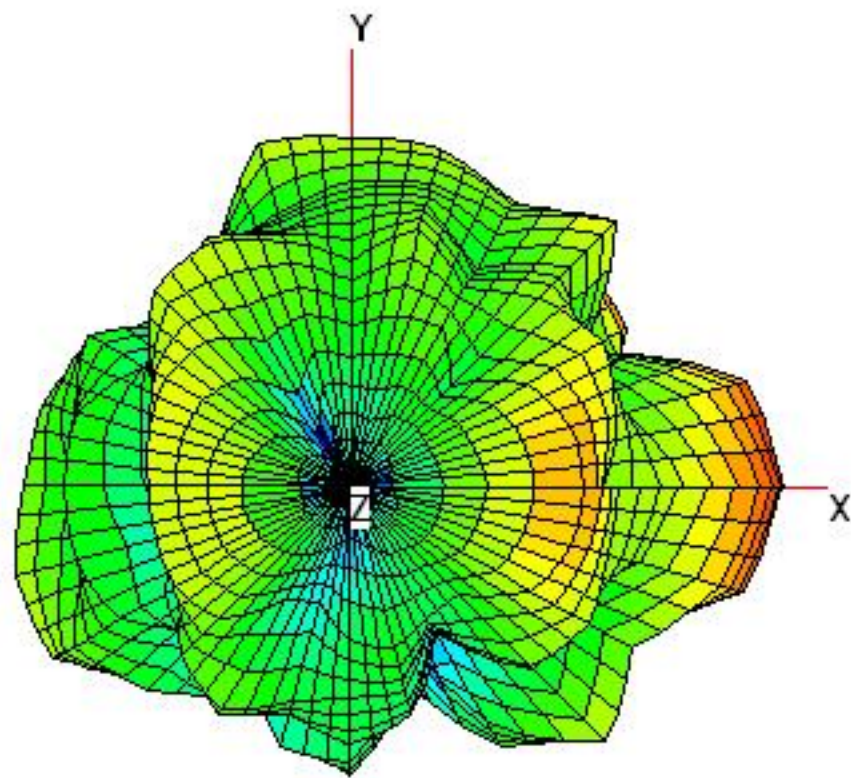
-35

-40

-45

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

0

-5

-10

-15

-20

-25

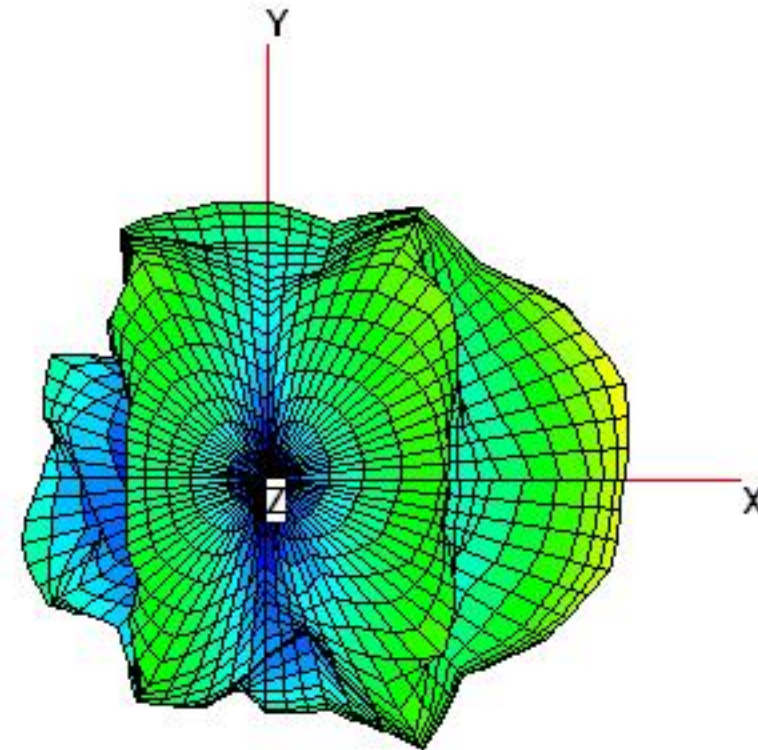
-30

-35

-40

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

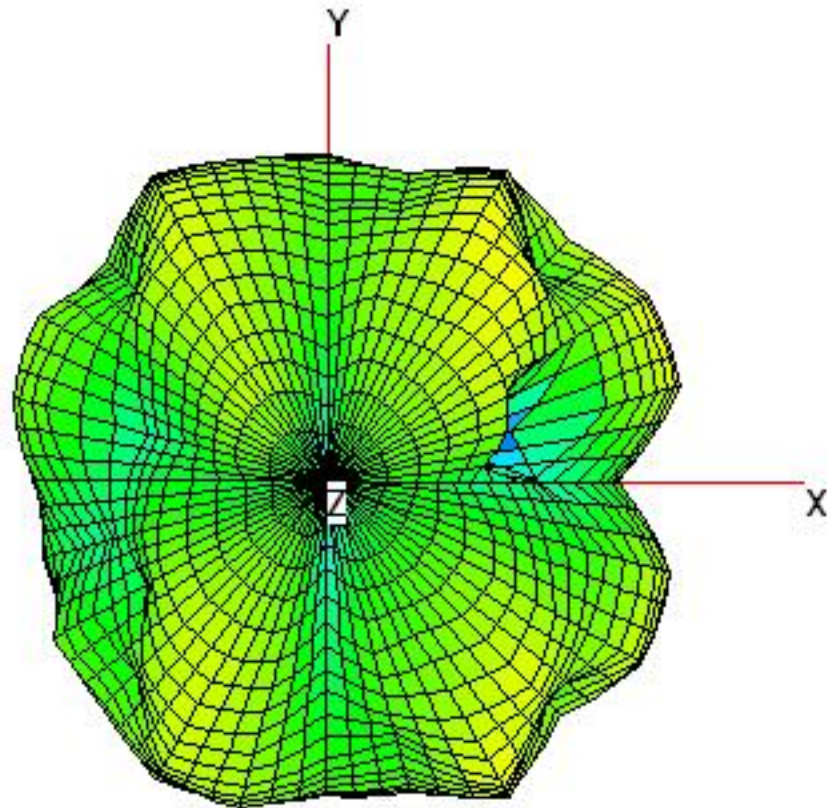


Response (dB)

5
0
-5
-10
-15
-20
-25

Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

10

0

-10

-20

-30

-40

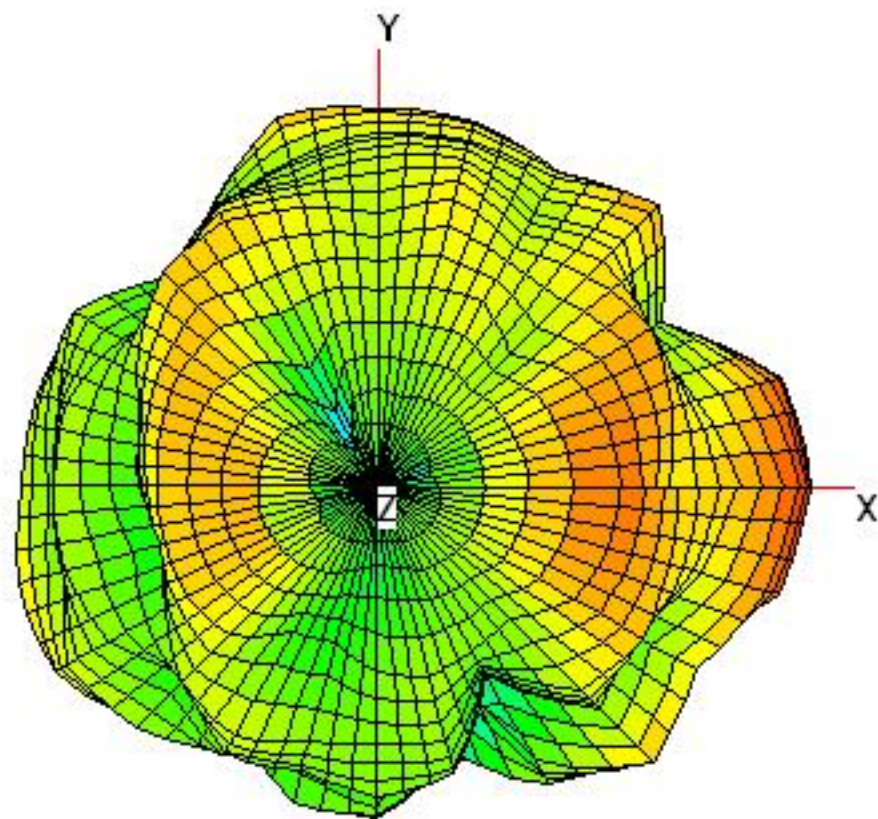
-50

-60

-70

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

0

-10

-20

-30

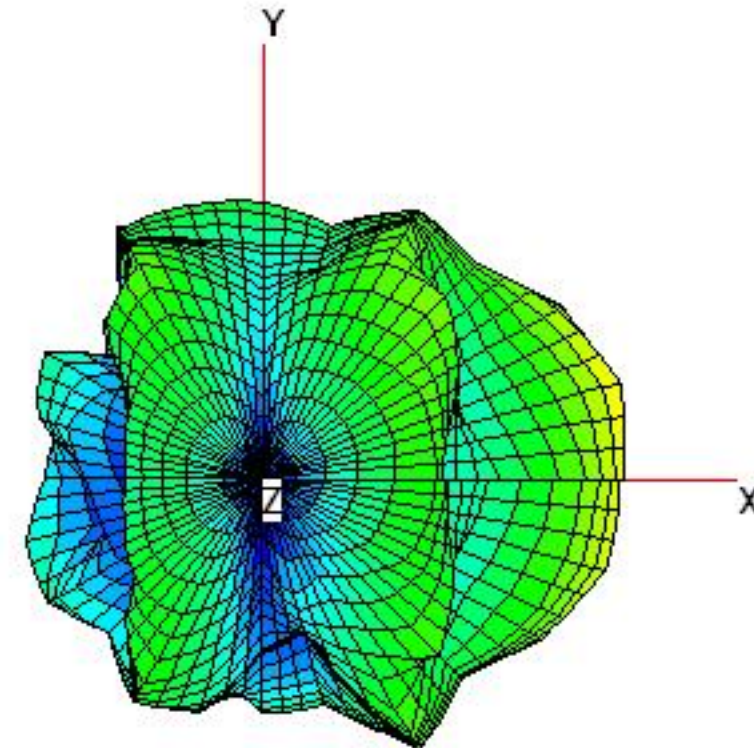
-40

-50

-60

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

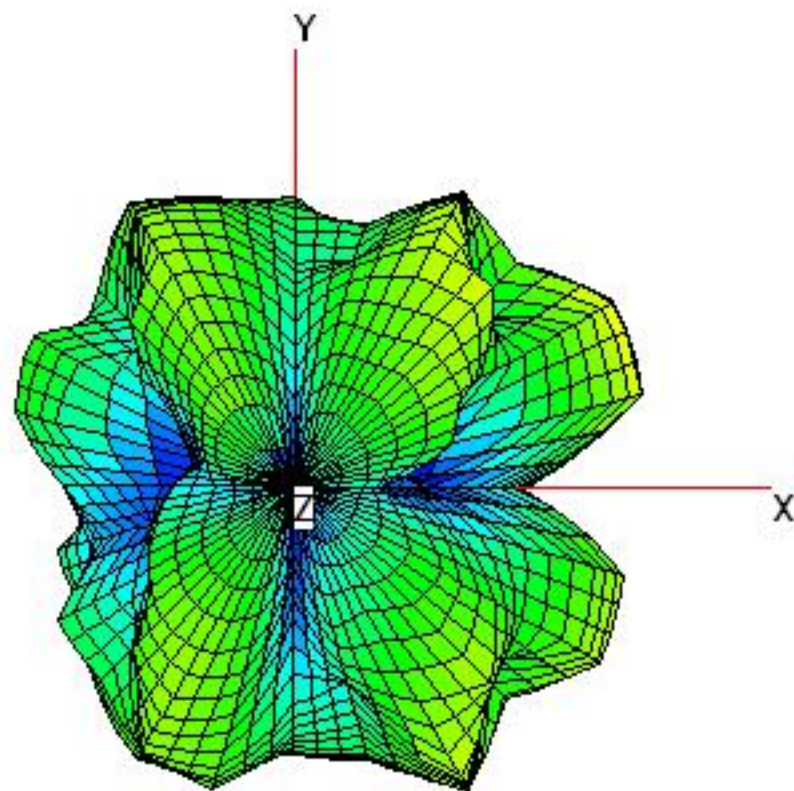


Response (dB)



Phi

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

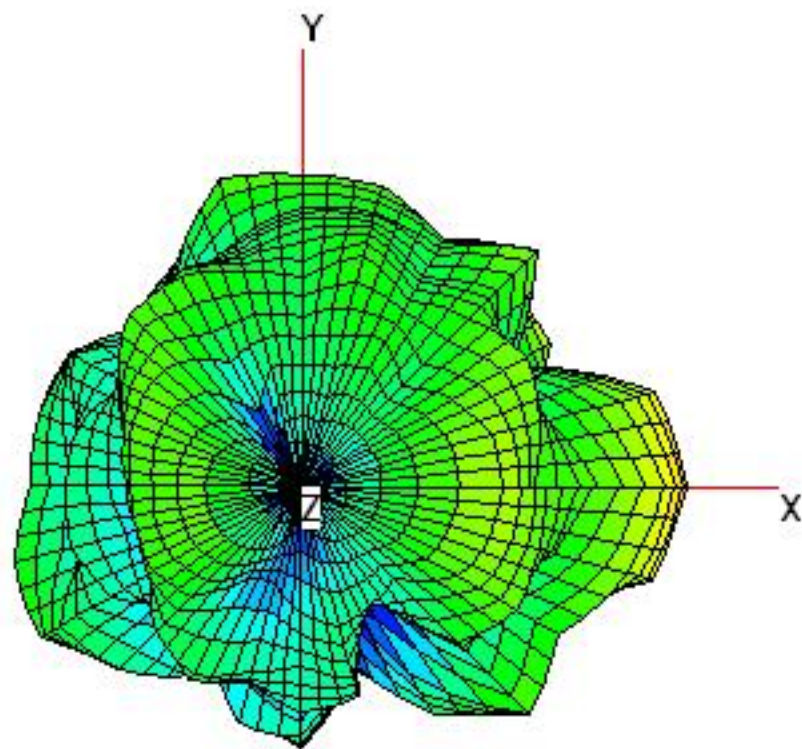


Response (dB)

5
0
-5
-10
-15
-20
-25
-30
-35
-40

Theta

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

5

0

-5

-10

-15

-20

-25

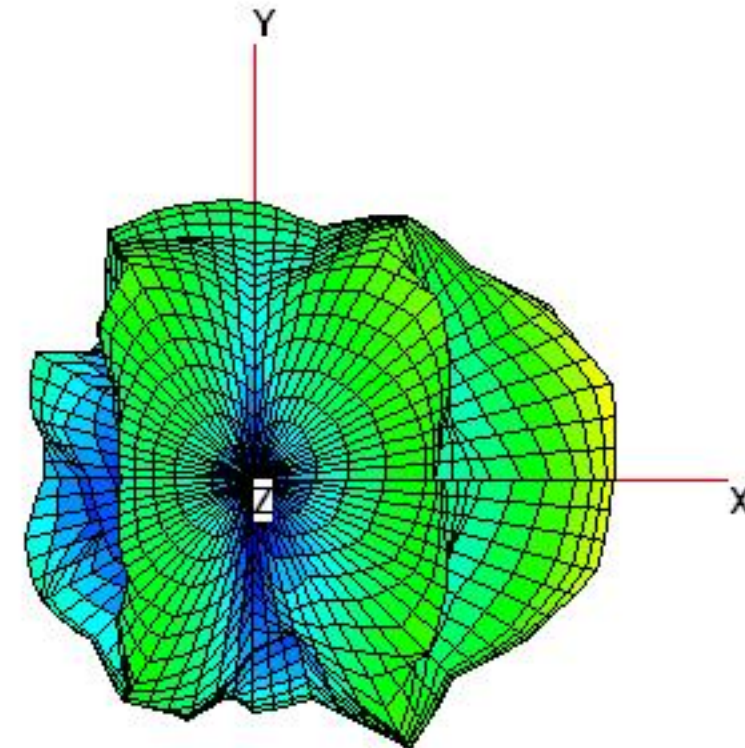
-30

-35

-40

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



Response (dB)

5
0
-5
-10
-15
-20
-25