

Off-Axis EIRP Spectral Density Tabulation (restated)

For application SES-MFS-20081210-01583 E060231

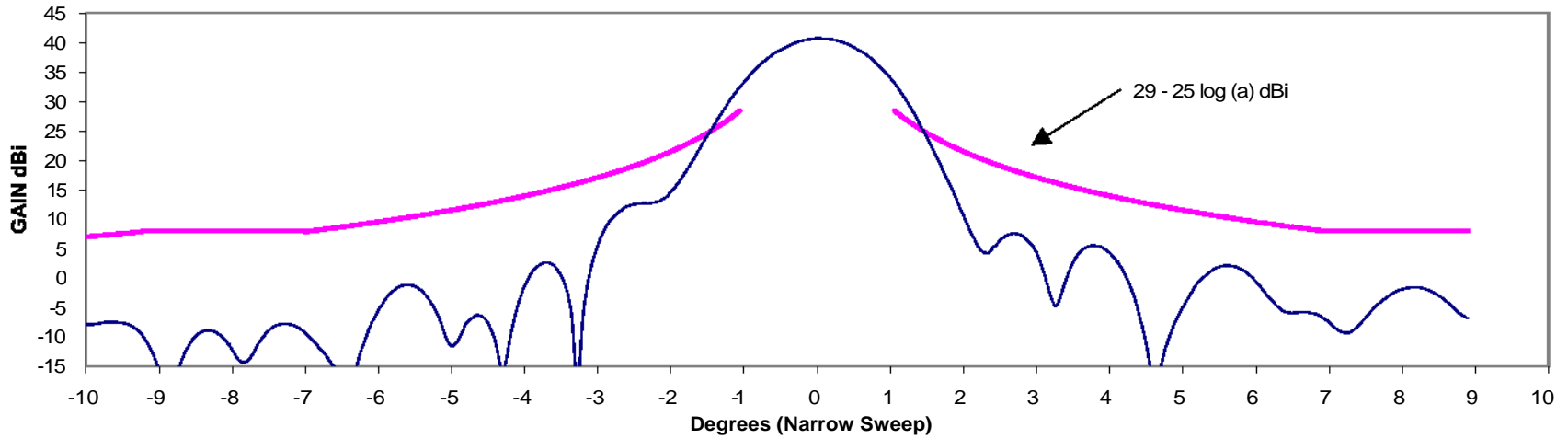
Spectral Density Showing

Antenna Manufacturer:	SeaTel	9797	
Antenna Model:	2.4	m	
Transmit:	6.04	GHz	
Antenna Gain (Main Beam):	41.70	dBi	
Max EIRP Density at Flange:	-19.61	dBW/4KHz	
EIRP Density (§25.212(d) Limit):	-2.70	dBW/4KHz	

§25.209(a) CONFORMING ANTENNA			ACTUAL ANTENNA		
Angle (Degrees)	§25.209 Gain (dBi)	EIRP Density (dBW/4KHz)	Actual Gain (dBi)	EIRP Density (dBW/4KHz)	EIRP Margin (dBW/4KHz)
1.50	24.60	21.90	25.00	5.39	-16.51
1.75	22.92	20.22	17.50	-2.11	-22.34
2.00	21.47	18.77	10.00	-9.61	-28.39
2.25	20.20	17.50	5.00	-14.61	-32.11
2.50	19.05	16.35	7.50	-12.11	-28.47
2.75	18.02	15.32	7.50	-12.11	-27.43
3.00	17.07	14.37	4.00	-15.61	-29.99
3.25	16.20	13.50	-5.00	-24.61	-38.12
3.50	15.40	12.70	4.00	-15.61	-28.31
3.75	14.65	11.95	0.00	-19.61	-31.56
4.00	13.95	11.25	4.00	-15.61	-26.86
4.25	13.29	10.59	0.00	-19.61	-30.20
4.50	12.67	9.97	-15.00	-34.61	-44.58
4.75	12.08	9.38	-15.00	-34.61	-44.00
5.00	11.53	8.83	-5.00	-24.61	-33.44
5.25	11.00	8.30	0.00	-19.61	-27.91
5.50	10.49	7.79	2.50	-17.11	-24.91
5.75	10.01	7.31	2.50	-17.11	-24.42
6.00	9.55	6.85	0.00	-19.61	-26.46
6.25	9.10	6.40	-5.00	-24.61	-31.02
6.50	8.68	5.98	-6.00	-25.61	-31.59
6.75	8.27	5.57	-6.00	-25.61	-31.18
7.00	7.87	5.17	-7.50	-27.11	-32.29
8.00	8.00	5.30	-2.00	-21.61	-26.91
9.00	8.00	5.30	-7.00	-26.61	-31.91
20.00	-0.53	-3.23	-15.00	-34.61	-31.39
30.00	-4.93	-7.63	-14.00	-33.61	-25.99
40.00	-8.05	-10.75	-12.00	-31.61	-20.86
60.00	-10.00	-12.70	-20.00	-39.61	-26.91
80.00	-10.00	-12.70	-20.00	-39.61	-26.91
100.00	-10.00	-12.70	-17.00	-36.61	-23.91
120.00	-10.00	-12.70	-9.00	-28.61	-15.91
140.00	-10.00	-12.70	-11.00	-30.61	-17.91
160.00	-10.00	-12.70	-14.00	-33.61	-20.91
180.00	-10.00	-12.70	-20.00	-39.61	-26.91

Sea Tel, Inc.
2.4M (Offset) C band Co Pol Gain

6.04 GHz Azimuth E-Plane



6.04 GHz Azimuth, E-Plane

