

Exhibit B

Compliance with FCC Rule Part §25.209 and §25.218

Antenna Radiation Patterns §25.209 a (1), §25.209 a (2) and §25.218(f)

The attached radiation patterns show that under worst case operating conditions the antenna is not compliant with FCC §25.209 between 5.9 and 6.7 degrees. The worst case difference is 1.98 dB at 6.2 degrees. The RF flange power density of the earth station system will be -17.0 dBW/4 kHz. This is 3 dB below the maximum power allowed under rule part §25.212. The combination of the antenna gain pattern and worst case RF power density yields an off-axis EIRP density which meets the combined §25.209 and §25.212 specs at all angles in the azimuth plane, by a minimum of 1 dB. The earth station system will not be operated in a manner which will cause any adjacent satellite interference. This de-rating of the RF power is allowed under the FCC §25.218(f).

Figure 1 contains a plot of the antenna patterns at low, mid, and high 14 GHz band with the FCC §25.209a(2)mask, in the plane of the geostationary satellite arc, shown. Figure 2 shows the worst case pattern with the 25.209a (3) FCC mask for directions outside the geo arc or elevation pattern, for low, mid, and high 14 GHz band. Table 1 below shows a summary of the off-axis EIRP calculations in the direction of the geostationary arc plane. Figure 3 and 4 show the EIRP density plots compared to §25.218f(1), toward the geostationary arc, and §25.218f(2) outside the geostationary arc and toward the horizon Tables 2 and Figure 5 show the worst-case off-axis eirp in directions outside the geostationary arc vs. 25.218f(2). As can be seen from the tables and charts the off-axis emissions in all planes will be below the FCC rules.

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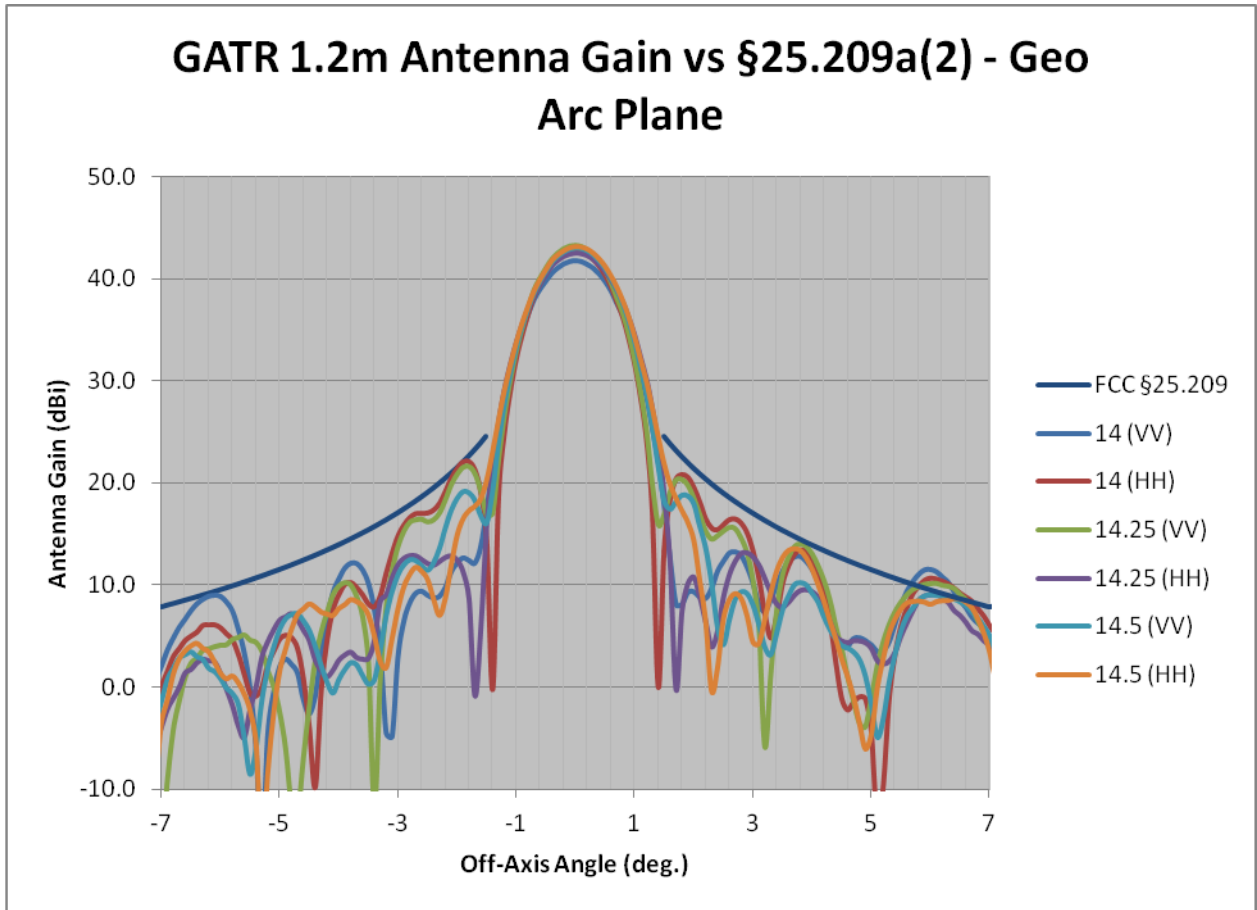


Figure 1 – Worst Case Antenna Patterns versus FCC §25.209a (2)

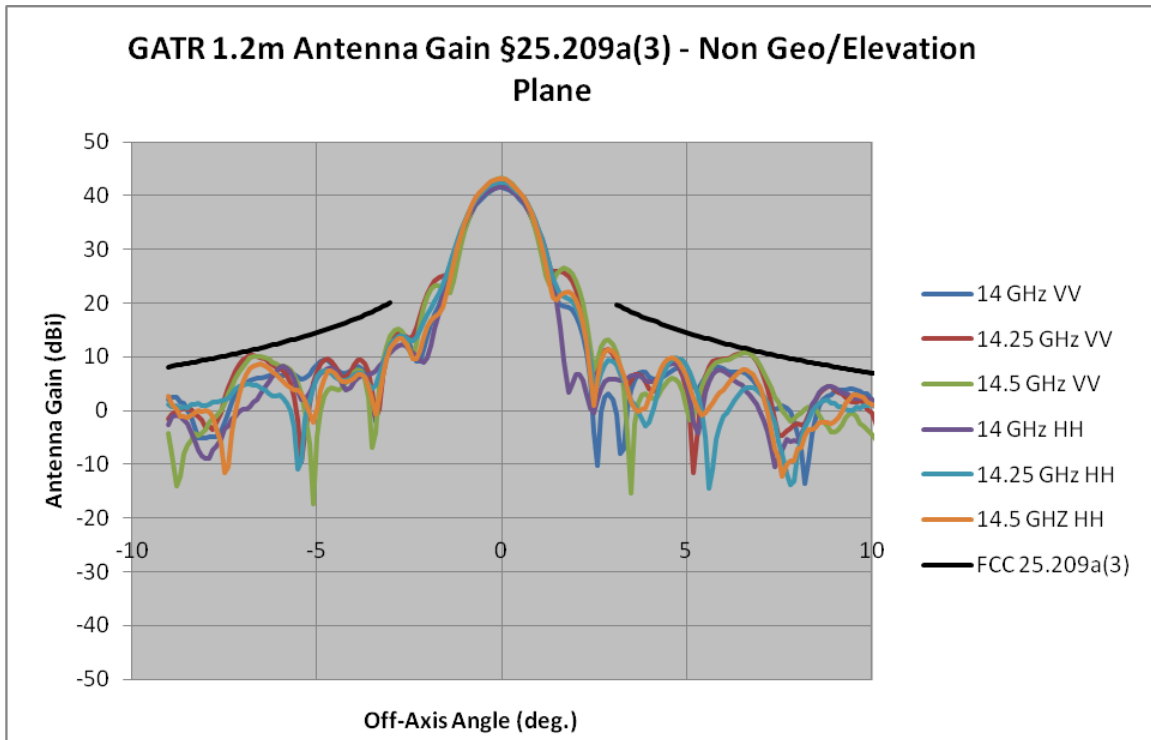


Figure A2 – Worst Case Antenna Patterns versus FCC §25.209a (3)

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Table 1 - Geostationary Plane	Antenna Gain (dBi)						FCC §25.209	RF Power Density = - 17 dBW/4kHz z	EIRP (dBW/4 kHz)						Meets Mask
	14 (VV)	14 (HH)	14.25 (VV)	14.25 (HH)	14.5 (VV)	14.5 (HH)		FCC §25.218(f) EIRP GEO Mask	14 GHz E	14 GHz H	14.25 GHz E	14.25 GHz H	14.5 GHz E	14.5 GHz H	
-180	-9.2	-11.3	-11.5	-13.4	-9.7	-6.2	0.00	-14.00	-26.2	-28.3	-28.5	-30.4	-26.7	-23.2	Y
-175	-20.0	-16.0	-23.7	-20.2	-18.6	-25.9	0.00	-14.00	-27.3	-28.5	-30.1	-31.7	-33.2	-25.5	Y
-170	-16.0	-15.9	-17.3	-19.9	-16.3	-12.4	0.00	-14.00	-34.6	-33.6	-36.2	-34.2	-34.4	-30.0	Y
-165	-22.2	-27.7	-22.2	-17.1	-28.2	-12.8	0.00	-14.00	-31.9	-33.4	-36.1	-33.8	-27.8	-27.5	Y
-160	-17.7	-14.2	-18.9	-12.9	-40.0	-25.0	0.00	-14.00	-36.3	-33.5	-36.7	-34.2	-32.0	-29.0	Y
-155	-18.0	-19.0	-19.4	-14.8	-20.2	-22.5	0.00	-14.00	-31.3	-30.8	-32.5	-29.2	-38.4	-29.3	Y
-150	-14.2	-21.2	-19.3	-21.1	-36.6	-20.9	0.00	-14.00	-30.7	-29.6	-34.9	-40.9	-36.3	-34.5	Y
-145	-24.7	-18.6	-14.2	-21.3	-17.7	-15.9	0.00	-14.00	-32.9	-33.6	-31.6	-30.2	-25.4	-28.2	Y
-140	-18.3	-22.0	-15.4	-13.3	-17.6	-11.5	0.00	-14.00	-36.1	-29.9	-31.4	-33.6	-30.3	-29.7	Y
-135	-4.0	-10.9	-11.9	-6.9	-10.3	-16.4	0.00	-14.00	-32.2	-43.6	-34.4	-35.1	-44.6	-39.7	Y
-130	-15.8	-11.8	-21.2	-5.4	-8.2	-6.1	0.00	-14.00	-37.0	-33.0	-40.7	-37.2	-35.6	-42.9	Y
-125	-8.5	-26.4	-16.9	-9.3	-11.7	-8.5	0.00	-14.00	-35.9	-34.3	-34.2	-36.6	-29.9	-36.1	Y
-120	-9.5	-11.4	-24.5	-18.9	-11.7	-3.8	0.00	-14.00	-40.6	-32.5	-36.7	-40.4	-40.1	-29.4	Y
-115	-17.2	-16.7	-10.2	-13.0	-12.8	-6.2	0.00	-14.00	-31.5	-33.9	-30.1	-60.7	-35.0	-46.4	Y
-110	-14.8	-13.7	-11.6	-13.5	-10.8	-5.4	0.00	-14.00	-46.0	-42.3	-36.9	-37.1	-31.5	-38.8	Y
-105	-27.5	-16.6	-18.1	-10.0	-12.7	-4.2	0.00	-14.00	-36.9	-32.8	-32.7	-46.4	-32.5	-36.4	Y
-100	-22.8	-11.6	-20.5	-26.3	-29.6	-6.9	0.00	-14.00	-35.9	-33.8	-33.6	-34.3	-35.3	-32.2	Y
-95	-23.1	-14.9	-23.7	-13.8	-22.3	-10.4	0.00	-14.00	-29.0	-32.6	-34.0	-33.0	-47.8	-35.1	Y
-90	-13.7	-22.9	-16.1	-11.3	-8.8	-22.0	0.00	-14.00	-45.5	-31.1	-38.5	-40.0	-33.4	-35.9	Y
-85	-13.0	-22.1	-21.1	-8.4	-21.4	-12.4	-10.00	-24.00	-30.0	-39.1	-38.1	-25.4	-38.4	-29.4	Y
-80	-22.0	-18.9	-14.7	-11.2	-14.9	-9.1	-10.00	-24.00	-30.0	-39.1	-38.1	-25.4	-38.4	-29.4	Y
-75	-17.1	-19.8	-12.0	-14.1	-13.5	-8.4	-10.00	-24.00	-30.0	-39.1	-38.1	-25.4	-38.4	-29.4	Y
-70	-20.3	-9.7	-12.8	-14.1	-33.3	-32.3	-10.00	-24.00	-30.0	-39.1	-38.1	-25.4	-38.4	-29.4	Y
-65	-19.8	-13.9	-8.7	-12.4	-16.0	-27.0	-10.00	-24.00	-30.0	-39.1	-38.1	-25.4	-38.4	-29.4	Y

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-60	-13.3	-14.0	-17.6	-11.6	-7.9	-23.9	-10.00	-24.00	-30.0	-39.1	-38.1	-25.4	-38.4	-29.4	Y
-55	-9.8	-6.3	-9.0	-6.0	-8.3	-10.8	-10.00	-24.00	-30.0	-39.1	-38.1	-25.4	-38.4	-29.4	Y
-50	-5.5	-9.8	-12.9	-7.4	-12.1	-14.5	-10.00	-24.00	-30.0	-39.1	-38.1	-25.4	-38.4	-29.4	Y
-45	-12.4	-9.0	-20.4	-5.7	-17.4	-10.7	-9.33	-23.33	-29.4	-26.0	-37.4	-22.7	-34.4	-27.7	N
-40	-15.1	-8.8	-10.8	-11.9	-4.9	-10.3	-8.05	-22.05	-32.1	-25.8	-27.8	-28.9	-21.9	-27.3	N
-35	-41.7	-5.0	-15.2	-13.2	-11.9	-14.7	-6.60	-20.60	-58.7	-22.0	-32.2	-30.2	-28.9	-31.7	Y
-30	-3.0	-8.5	-10.8	-9.2	-14.2	-4.3	-4.93	-18.93	-20.0	-25.5	-27.8	-26.2	-31.2	-21.3	Y
-25	-9.7	-8.9	-7.8	-4.9	-8.1	-2.8	-2.95	-16.95	-26.7	-25.9	-24.8	-21.9	-25.1	-19.8	Y
-20	1.8	2.7	-1.0	-1.8	-3.3	-3.5	-0.53	-14.53	-15.2	-14.3	-18.0	-18.8	-20.3	-20.5	N
-15	-3.5	-1.8	-7.6	-3.0	-4.5	-2.6	2.60	-11.40	-20.5	-18.8	-24.6	-20.0	-21.5	-19.6	Y
-10	-5.0	-4.6	-0.4	-8.4	2.1	-6.3	7.00	-7.00	-22.0	-21.6	-17.4	-25.4	-14.9	-23.3	Y
-9.5	-1.8	2.5	-20.2	-2.7	-2.2	-4.1	7.56	-6.44	-18.8	-14.5	-37.2	-19.7	-19.2	-21.1	Y
-9	3.5	5.0	2.9	0.1	-1.3	-1.7	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8.9	3.8	6.1	4.2	0.1	0.0	-2.7	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8.8	3.9	6.8	5.3	0.0	1.7	-1.6	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8.7	3.7	7.3	5.9	-0.2	2.4	-0.4	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8.6	3.5	7.6	6.5	-0.7	3.3	0.7	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8.5	2.9	7.7	6.7	-1.5	3.4	1.4	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8.4	2.1	7.5	6.3	-2.2	3.5	1.8	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8.3	1.2	6.9	6.0	-3.8	2.7	1.2	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8.2	-0.1	6.1	5.4	-5.7	1.6	0.4	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8.1	-1.0	5.4	4.8	-7.3	-0.1	-0.2	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-8	-2.4	4.4	3.5	-9.8	-2.8	-1.6	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-7.9	-2.4	3.3	2.3	-13.6	-5.2	-3.0	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-7.8	-2.4	2.2	1.4	-14.3	-8.7	-4.2	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-7.7	-2.5	1.6	0.6	-14.1	-9.1	-4.2	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-7.6	-2.3	0.6	0.1	-11.6	-9.5	-4.8	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-7.5	-1.8	-0.3	-0.9	-10.7	-9.1	-4.7	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-7.4	-1.6	-1.0	-2.5	-9.9	-8.8	-7.2	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-7.3	-1.3	-2.1	-4.2	-9.1	-8.5	-9.4	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-7.2	-0.4	-1.8	-7.0	-7.4	-5.8	-10.5	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
-7.1	0.7	-1.5	-11.7	-5.8	-3.6	-9.0	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y

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-7	2.1	0.1	-15.9	-3.9	-1.4	-3.5	7.87	-6.13	-14.9	-16.9	-32.9	-20.9	-18.4	-20.5	Y
-6.9	3.6	1.5	-9.3	-2.2	0.8	-1.3	8.03	-5.97	-13.4	-15.5	-26.3	-19.2	-16.2	-18.3	Y
-6.8	4.8	3.0	-4.2	-1.1	1.9	1.3	8.19	-5.81	-12.2	-14.0	-21.2	-18.1	-15.1	-15.7	Y
-6.7	5.9	3.7	-1.4	0.0	2.9	2.7	8.35	-5.65	-11.1	-13.3	-18.4	-17.0	-14.1	-14.3	Y
-6.6	6.7	4.5	0.9	1.4	3.2	3.5	8.51	-5.49	-10.3	-12.5	-16.1	-15.6	-13.8	-13.5	Y
-6.5	7.5	5.0	2.3	1.7	3.5	4.0	8.68	-5.32	-9.5	-12.0	-14.7	-15.3	-13.5	-13.0	Y
-6.4	8.2	5.4	2.8	2.4	3.0	4.3	8.85	-5.15	-8.8	-11.6	-14.2	-14.6	-14.0	-12.7	Y
-6.3	8.6	6.0	3.6	2.7	2.8	3.8	9.02	-4.98	-8.4	-11.0	-13.4	-14.3	-14.2	-13.2	Y
-6.2	8.9	6.1	3.7	2.6	1.9	3.4	9.19	-4.81	-8.1	-10.9	-13.3	-14.4	-15.1	-13.6	Y
-6.1	9.0	6.1	3.9	2.4	1.6	2.4	9.37	-4.63	-8.0	-10.9	-13.1	-14.6	-15.4	-14.6	Y
-6	8.9	5.8	4.1	1.3	0.9	1.3	9.55	-4.45	-8.1	-11.2	-12.9	-15.7	-16.1	-15.7	Y
-5.9	8.3	5.2	4.1	-0.2	-0.1	0.8	9.73	-4.27	-8.7	-11.8	-12.9	-17.2	-17.1	-16.2	Y
-5.8	7.5	4.6	4.6	-1.8	-0.6	1.1	9.91	-4.09	-9.5	-12.4	-12.4	-18.8	-17.6	-15.9	Y
-5.7	5.7	3.2	4.8	-3.8	-1.6	0.4	10.10	-3.90	-11.3	-13.8	-12.2	-20.8	-18.6	-16.6	Y
-5.6	3.4	1.3	5.1	-4.9	-4.9	-0.7	10.30	-3.70	-13.6	-15.7	-11.9	-21.9	-21.9	-17.7	Y
-5.5	-0.2	-0.6	4.6	-2.2	-8.5	-2.3	10.49	-3.51	-17.2	-17.6	-12.4	-19.2	-25.5	-19.3	Y
-5.4	-6.2	-0.9	4.4	0.0	-5.9	-5.6	10.69	-3.31	-23.2	-17.9	-12.6	-17.0	-22.9	-22.6	Y
-5.3	-15.6	0.0	3.5	3.0	-1.2	-16.5	10.89	-3.11	-32.6	-17.0	-13.5	-14.0	-18.2	-33.5	Y
-5.2	-4.5	2.3	1.6	4.5	1.9	-8.3	11.10	-2.90	-21.5	-14.7	-15.4	-12.5	-15.1	-25.3	Y
-5.1	-0.4	3.5	0.0	5.6	4.0	-2.4	11.31	-2.69	-17.4	-13.5	-17.0	-11.4	-13.0	-19.4	Y
-5	2.0	4.7	-2.5	6.6	5.7	1.6	11.53	-2.47	-15.0	-12.3	-19.5	-10.4	-11.3	-15.4	Y
-4.9	2.7	5.1	-6.1	6.9	6.7	3.7	11.75	-2.25	-14.3	-11.9	-23.1	-10.1	-10.3	-13.3	Y
-4.8	2.2	4.8	-11.6	7.2	7.1	5.7	11.97	-2.03	-14.8	-12.2	-28.6	-9.8	-9.9	-11.3	Y
-4.7	1.4	3.8	-12.6	6.6	7.2	7.1	12.20	-1.80	-15.6	-13.2	-29.6	-10.4	-9.8	-9.9	Y
-4.6	-1.2	0.8	-7.0	5.6	6.5	7.6	12.43	-1.57	-18.2	-16.2	-24.0	-11.4	-10.5	-9.4	Y
-4.5	-2.6	-4.0	-1.8	4.6	5.6	8.1	12.67	-1.33	-19.6	-21.0	-18.8	-12.4	-11.4	-8.9	Y
-4.4	-0.8	-9.8	2.6	2.6	4.0	7.8	12.91	-1.09	-17.8	-26.8	-14.4	-14.4	-13.0	-9.2	Y
-4.3	3.5	-0.6	5.3	1.6	2.2	7.3	13.16	-0.84	-13.5	-17.6	-11.7	-15.4	-14.8	-9.7	Y
-4.2	6.8	4.5	7.3	1.0	0.5	7.1	13.42	-0.58	-10.2	-12.5	-9.7	-16.0	-16.5	-9.9	Y
-4.1	9.2	7.6	9.0	1.6	-0.5	7.0	13.68	-0.32	-7.8	-9.4	-8.0	-15.4	-17.5	-10.0	Y
-4	10.6	9.1	9.9	2.6	0.8	7.7	13.95	-0.05	-6.4	-7.9	-7.1	-14.4	-16.2	-9.3	Y
-3.9	11.7	10.0	10.2	3.1	1.8	8.1	14.22	0.22	-5.3	-7.0	-6.8	-13.9	-15.2	-8.9	Y

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-3.8	12.1	10.2	10.0	3.4	2.4	8.6	14.51	0.51	-4.9	-6.8	-7.0	-13.6	-14.6	-8.4	Y
-3.7	12.1	9.8	8.9	2.9	2.2	8.4	14.79	0.79	-4.9	-7.2	-8.1	-14.1	-14.8	-8.6	Y
-3.6	11.5	9.0	6.9	2.7	1.2	8.0	15.09	1.09	-5.5	-8.0	-10.1	-14.3	-15.8	-9.0	Y
-3.5	10.2	8.1	2.4	2.8	0.3	7.0	15.40	1.40	-6.8	-8.9	-14.6	-14.2	-16.7	-10.0	Y
-3.4	7.6	7.9	-11.7	4.5	0.7	5.0	15.71	1.71	-9.4	-9.1	-28.7	-12.5	-16.3	-12.0	Y
-3.3	3.5	8.9	0.7	8.4	3.6	2.5	16.04	2.04	-13.5	-8.1	-16.3	-8.6	-13.4	-14.5	Y
-3.2	-4.5	11.1	7.8	9.0	7.1	1.9	16.37	2.37	-21.5	-5.9	-9.2	-8.0	-9.9	-15.1	Y
-3.1	-4.8	13.1	11.4	10.7	9.4	4.8	16.72	2.72	-21.8	-3.9	-5.6	-6.3	-7.6	-12.2	Y
-3	3.0	14.8	13.8	12.0	11.1	7.7	17.07	3.07	-14.0	-2.2	-3.2	-5.0	-5.9	-9.3	Y
-2.9	6.5	15.9	15.3	12.6	12.0	9.8	17.44	3.44	-10.5	-1.1	-1.7	-4.4	-5.0	-7.2	Y
-2.8	8.3	16.6	16.1	12.9	12.5	11.0	17.82	3.82	-8.7	-0.4	-0.9	-4.1	-4.5	-6.0	Y
-2.7	9.2	17.0	16.4	12.8	12.4	11.7	18.22	4.22	-7.8	0.0	-0.6	-4.2	-4.6	-5.3	Y
-2.6	9.4	17.0	16.4	12.5	11.9	11.3	18.63	4.63	-7.6	0.0	-0.6	-4.5	-5.1	-5.7	Y
-2.5	9.0	17.1	16.2	12.1	11.5	10.5	19.05	5.05	-8.0	0.1	-0.8	-4.9	-5.5	-6.5	Y
-2.4	8.8	17.3	16.4	11.9	12.2	8.6	19.49	5.49	-8.2	0.3	-0.6	-5.1	-4.8	-8.4	Y
-2.3	8.9	18.0	17.0	12.3	13.6	7.0	19.96	5.96	-8.1	1.0	0.0	-4.7	-3.4	-10.0	Y
-2.2	9.8	19.1	18.3	12.7	15.6	8.7	20.44	6.44	-7.2	2.1	1.3	-4.3	-1.4	-8.3	Y
-2.1	11.3	20.4	19.8	12.8	17.4	12.0	20.94	6.94	-5.7	3.4	2.8	-4.2	0.4	-5.0	Y
-2	12.2	21.4	20.8	12.4	18.5	14.9	21.47	7.47	-4.8	4.4	3.8	-4.6	1.5	-2.1	Y
-1.9	12.7	22.1	21.5	11.3	19.2	16.5	22.03	8.03	-4.3	5.1	4.5	-5.7	2.2	-0.5	Y
-1.8	12.4	22.1	21.6	8.6	19.1	17.3	22.62	8.62	-4.6	5.1	4.6	-8.4	2.1	0.3	Y
-1.7	12.2	21.3	20.9	-0.8	18.3	17.7	23.24	9.24	-4.8	4.3	3.9	-17.8	1.3	0.7	Y
-1.6	13.8	19.0	19.2	5.7	16.8	18.5	23.90	9.90	-3.2	2.0	2.2	-11.3	-0.2	1.5	Y
-1.5	17.5	14.3	16.8	15.9	16.1	20.3	24.60	10.60	0.5	-2.7	-0.2	-1.1	-0.9	3.3	Y
-1.4	21.6	-0.2	17.0	21.6	19.3	23.1	0.00	-14.00	-37.0	-35.6	-50.8	-27.3	-33.1	-26.6	Y
-1.3	25.5	18.7	22.3	25.9	24.0	26.2	0.00	-14.00	-30.9	-28.5	-30.6	-28.4	-30.5	-32.1	Y
-1.2	28.5	25.0	26.6	29.1	27.8	29.1	0.00	-14.00	-32.0	-33.3	-31.3	-27.6	-31.2	-32.5	Y
-1.1	31.0	29.1	30.1	31.6	30.8	31.5	0.00	-14.00	-36.3	-29.7	-36.3	-25.5	-42.0	-33.8	Y
-1	33.2	32.2	32.9	33.8	33.3	33.8	0.00	-14.00	-34.8	-28.0	-27.2	-30.9	-54.7	-40.6	Y
-0.9	34.9	34.6	35.2	35.5	35.4	35.7	0.00	-14.00	-29.4	-27.5	-29.2	-28.7	-40.2	-32.6	Y
-0.8	36.5	36.6	37.1	37.1	37.1	37.3	0.00	-14.00	-29.0	-24.8	-34.5	-29.7	-38.4	-25.5	Y
-0.7	38.0	38.3	38.9	38.4	38.6	38.8	0.00	-14.00	-27.1	-29.1	-32.4	-30.7	-30.6	-24.1	Y

Exhibit B

-0.6	39.0	39.5	40.0	39.5	39.8	39.9	0.00	-14.00	-26.5	-28.4	-41.5	-35.9	-28.7	-20.8	Y
-0.5	39.8	40.5	41.0	40.4	40.8	40.9	0.00	-14.00	-27.7	-31.8	-32.0	-37.8	-27.0	-21.4	Y
-0.4	40.5	41.4	41.9	41.2	41.6	41.7	0.00	-14.00	-24.2	-42.2	-36.2	-32.0	-26.8	-22.1	Y
-0.3	41.1	42.0	42.5	41.7	42.2	42.3	0.00	-14.00	-25.4	-37.7	-34.8	-24.7	-26.5	-24.0	Y
-0.2	41.5	42.4	42.9	42.1	42.6	42.7	0.00	-14.00	-28.9	-29.7	-29.9	-25.9	-22.9	-27.3	Y
-0.1	41.7	42.7	43.2	42.4	42.9	43.0	0.00	-14.00	-27.7	-29.0	-36.8	-22.8	-25.6	-31.1	Y
0	41.8	42.8	43.2	42.5	43.0	43.1	0.00	-14.00	-31.8	-31.6	-29.6	-24.3	-21.8	-38.6	Y
0.1	41.7	42.7	43.1	42.4	43.0	43.1	0.00	-14.00	-36.7	-32.9	-28.7	-23.2	-22.1	-26.4	Y
0.2	41.4	42.3	42.8	42.2	42.8	42.8	0.00	-14.00	-34.2	-36.2	-31.9	-25.4	-26.7	-25.3	Y
0.3	41.0	41.9	42.3	41.8	42.4	42.5	0.00	-14.00	-38.7	-30.7	-29.8	-33.1	-24.3	-27.4	Y
0.4	40.5	41.2	41.6	41.3	41.8	41.9	0.00	-14.00	-34.2	-33.7	-27.2	-30.0	-29.8	-23.2	Y
0.5	39.7	40.4	40.8	40.7	41.0	41.2	0.00	-14.00	-40.0	-43.8	-29.0	-26.9	-28.2	-26.2	Y
0.6	38.8	39.2	39.6	39.9	40.1	40.2	0.00	-14.00	-32.8	-30.3	-27.5	-30.4	-28.2	-28.8	Y
0.7	37.6	37.7	38.1	38.8	38.9	39.1	0.00	-14.00	-33.4	-27.4	-30.7	-24.6	-27.9	-30.9	Y
0.8	36.4	36.2	36.5	37.6	37.6	37.8	0.00	-14.00	-38.9	-23.4	-26.4	-24.2	-25.5	-43.0	Y
0.9	34.8	34.1	34.5	36.2	35.8	36.2	0.00	-14.00	-32.0	-23.9	-27.5	-22.5	-26.2	-33.3	Y
1	33.0	31.6	32.0	34.4	33.8	34.3	0.00	-14.00	-29.9	-25.9	-29.7	-20.2	-28.5	-26.4	Y
1.1	30.8	28.3	28.9	32.3	31.3	32.1	0.00	-14.00	-33.3	-24.7	-28.4	-23.6	-24.6	-25.5	Y
1.2	28.4	24.2	25.1	30.1	28.8	29.9	0.00	-14.00	-45.8	-31.7	-27.3	-25.2	-25.5	-23.8	Y
1.3	25.3	16.9	19.8	27.2	25.4	27.2	0.00	-14.00	-31.9	-27.1	-27.0	-30.9	-25.6	-22.2	Y
1.4	22.1	0.0	15.9	23.7	21.6	24.4	0.00	-14.00	-31.8	-30.7	-28.6	-30.5	-27.8	-22.4	Y
1.5	17.7	13.7	16.9	18.8	18.2	21.8	24.60	10.60	0.5	-2.7	-0.2	-1.1	-0.9	3.3	Y
1.6	12.5	18.4	19.1	12.0	17.5	19.8	23.90	9.90	-3.2	2.0	2.2	-11.3	-0.2	1.5	Y
1.7	8.1	20.4	20.3	-0.3	18.2	18.4	23.24	9.24	-4.8	4.3	3.9	-17.8	1.3	0.7	Y
1.8	8.1	20.8	20.3	7.4	18.8	17.2	22.62	8.62	-4.6	5.1	4.6	-8.4	2.1	0.3	Y
1.9	9.3	20.5	19.7	10.1	18.7	16.1	22.03	8.03	-4.3	5.1	4.5	-5.7	2.2	-0.5	Y
2	9.3	19.6	18.5	10.7	18.0	14.3	21.47	7.47	-4.8	4.4	3.8	-4.6	1.5	-2.1	Y
2.1	8.8	18.1	16.9	8.8	15.8	10.4	20.94	6.94	-5.7	3.4	2.8	-4.2	0.4	-5.0	Y
2.2	8.7	16.5	15.3	6.4	13.6	6.4	20.44	6.44	-7.2	2.1	1.3	-4.3	-1.4	-8.3	Y
2.3	9.7	15.6	14.5	3.9	10.2	-0.4	19.96	5.96	-8.1	1.0	0.0	-4.7	-3.4	-10.0	Y
2.4	11.3	15.4	14.8	5.5	5.9	1.9	19.49	5.49	-8.2	0.3	-0.6	-5.1	-4.8	-8.4	Y
2.5	12.3	15.9	15.3	8.8	4.2	6.7	19.05	5.05	-8.0	0.1	-0.8	-4.9	-5.5	-6.5	Y

Exhibit B

2.6	13.1	16.4	15.6	11.0	6.6	8.5	18.63	4.63	-7.6	0.0	-0.6	-4.5	-5.1	-5.7	Y
2.7	13.3	16.5	15.5	12.3	8.6	9.1	18.22	4.22	-7.8	0.0	-0.6	-4.2	-4.6	-5.3	Y
2.8	12.9	16.1	14.6	13.1	9.4	8.7	17.82	3.82	-8.7	-0.4	-0.9	-4.1	-4.5	-6.0	Y
2.9	11.8	15.1	13.1	13.1	9.2	7.0	17.44	3.44	-10.5	-1.1	-1.7	-4.4	-5.0	-7.2	Y
3	10.2	13.3	10.4	12.7	8.1	4.4	17.07	3.07	-14.0	-2.2	-3.2	-5.0	-5.9	-9.3	Y
3.1	8.1	10.7	5.8	11.9	6.1	4.3	16.72	2.72	-21.8	-3.9	-5.6	-6.3	-7.6	-12.2	Y
3.2	7.4	7.2	-5.9	10.6	3.9	6.7	16.37	2.37	-21.5	-5.9	-9.2	-8.0	-9.9	-15.1	Y
3.3	8.6	4.8	1.2	9.2	3.2	9.2	16.04	2.04	-13.5	-8.1	-16.3	-8.6	-13.4	-14.5	Y
3.4	10.0	7.0	7.5	8.1	5.3	11.3	15.71	1.71	-9.4	-9.1	-28.7	-12.5	-16.3	-12.0	Y
3.5	11.4	10.1	11.0	7.8	7.6	12.7	15.40	1.40	-6.8	-8.9	-14.6	-14.2	-16.7	-10.0	Y
3.6	12.3	11.9	12.7	8.3	9.0	13.4	15.09	1.09	-5.5	-8.0	-10.1	-14.3	-15.8	-9.0	Y
3.7	12.8	13.0	13.7	9.0	10.0	13.5	14.79	0.79	-4.9	-7.2	-8.1	-14.1	-14.8	-8.6	Y
3.8	12.8	13.4	14.0	9.5	10.3	13.4	14.51	0.51	-4.9	-6.8	-7.0	-13.6	-14.6	-8.4	Y
3.9	12.3	13.2	13.7	9.5	10.0	12.6	14.22	0.22	-5.3	-7.0	-6.8	-13.9	-15.2	-8.9	Y
4	11.5	12.4	13.0	9.3	9.2	11.5	13.95	-0.05	-6.4	-7.9	-7.1	-14.4	-16.2	-9.3	Y
4.1	10.3	11.0	11.8	8.8	8.4	10.0	13.68	-0.32	-7.8	-9.4	-8.0	-15.4	-17.5	-10.0	Y
4.2	8.7	9.2	10.4	7.5	6.9	8.3	13.42	-0.58	-10.2	-12.5	-9.7	-16.0	-16.5	-9.9	Y
4.3	6.6	6.5	8.5	6.4	5.7	6.4	13.16	-0.84	-13.5	-17.6	-11.7	-15.4	-14.8	-9.7	Y
4.4	5.0	2.4	5.9	5.0	4.8	4.7	12.91	-1.09	-17.8	-26.8	-14.4	-14.4	-13.0	-9.2	Y
4.5	4.0	-1.2	3.7	4.5	4.1	2.7	12.67	-1.33	-19.6	-21.0	-18.8	-12.4	-11.4	-8.9	Y
4.6	4.0	-2.3	1.0	4.4	3.9	1.0	12.43	-1.57	-18.2	-16.2	-24.0	-11.4	-10.5	-9.4	Y
4.7	4.8	-1.5	-1.4	4.5	3.5	-1.0	12.20	-1.80	-15.6	-13.2	-29.6	-10.4	-9.8	-9.9	Y
4.8	4.8	-1.0	-3.6	4.5	2.7	-3.6	11.97	-2.03	-14.8	-12.2	-28.6	-9.8	-9.9	-11.3	Y
4.9	4.6	-1.2	-3.9	4.3	1.1	-6.1	11.75	-2.25	-14.3	-11.9	-23.1	-10.1	-10.3	-13.3	Y
5	4.2	-4.4	-1.1	3.8	-1.6	-4.6	11.53	-2.47	-15.0	-12.3	-19.5	-10.4	-11.3	-15.4	Y
5.1	3.5	-13.3	2.1	2.6	-4.9	-0.1	11.31	-2.69	-17.4	-13.5	-17.0	-11.4	-13.0	-19.4	Y
5.2	3.5	-9.9	4.4	2.3	-3.1	2.8	11.10	-2.90	-21.5	-14.7	-15.4	-12.5	-15.1	-25.3	Y
5.3	4.4	-1.3	6.1	2.5	0.5	5.2	10.89	-3.11	-32.6	-17.0	-13.5	-14.0	-18.2	-33.5	Y
5.4	6.2	3.1	7.4	3.4	3.2	6.6	10.69	-3.31	-23.2	-17.9	-12.6	-17.0	-22.9	-22.6	Y
5.5	8.0	5.9	8.3	5.0	5.5	7.6	10.49	-3.51	-17.2	-17.6	-12.4	-19.2	-25.5	-19.3	Y
5.6	9.4	7.7	9.0	6.3	7.0	8.2	10.30	-3.70	-13.6	-15.7	-11.9	-21.9	-21.9	-17.7	Y
5.7	10.3	9.1	9.5	7.5	7.8	8.4	10.10	-3.90	-11.3	-13.8	-12.2	-20.8	-18.6	-16.6	Y

Exhibit B

5.8	11.1	9.9	9.8	8.5	8.5	8.4	9.91	-4.09	-9.5	-12.4	-12.4	-18.8	-17.6	-15.9	Y
5.9	11.5	10.5	10.1	8.9	9.0	8.3	9.73	-4.27	-8.7	-11.8	-12.9	-17.2	-17.1	-16.2	Y
6	11.5	10.7	10.1	9.0	9.1	8.1	9.55	-4.45	-8.1	-11.2	-12.9	-15.7	-16.1	-15.7	Y
6.1	11.3	10.6	10.1	9.1	9.0	8.4	9.37	-4.63	-8.0	-10.9	-13.1	-14.6	-15.4	-14.6	Y
6.2	10.8	10.4	10.0	8.7	8.9	8.4	9.19	-4.81	-8.1	-10.9	-13.3	-14.4	-15.1	-13.6	Y
6.3	10.3	10.1	9.9	8.3	8.7	8.5	9.02	-4.98	-8.4	-11.0	-13.4	-14.3	-14.2	-13.2	Y
6.4	9.3	9.7	9.6	7.5	8.7	8.7	8.85	-5.15	-8.8	-11.6	-14.2	-14.6	-14.0	-12.7	Y
6.5	8.5	9.2	9.0	7.0	8.4	8.6	8.68	-5.32	-9.5	-12.0	-14.7	-15.3	-13.5	-13.0	Y
6.6	7.8	8.8	8.5	6.3	8.0	8.3	8.51	-5.49	-10.3	-12.5	-16.1	-15.6	-13.8	-13.5	Y
6.7	6.9	8.4	7.5	5.5	7.4	7.7	8.35	-5.65	-11.1	-13.3	-18.4	-17.0	-14.1	-14.3	Y
6.8	6.3	7.7	6.5	5.2	6.8	6.7	8.19	-5.81	-12.2	-14.0	-21.2	-18.1	-15.1	-15.7	Y
6.9	5.8	7.0	5.3	4.5	6.0	5.3	8.03	-5.97	-13.4	-15.5	-26.3	-19.2	-16.2	-18.3	Y
7	5.0	6.0	3.9	4.1	5.1	3.4	7.87	-6.13	-14.9	-16.9	-32.9	-20.9	-18.4	-20.5	Y
7.1	4.3	5.1	2.2	3.4	3.4	0.7	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
7.2	3.2	3.9	0.7	2.5	1.4	-1.5	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
7.3	2.3	2.8	-0.5	1.9	-0.9	-6.1	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
7.4	1.3	1.7	-0.7	0.7	-3.3	-10.3	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
7.5	0.4	0.6	-0.7	-0.4	-7.2	-11.0	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
7.6	-0.7	0.5	-0.2	-1.1	-10.9	-9.8	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
7.7	-1.5	0.2	-0.1	-2.2	-11.4	-9.5	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
7.8	-1.7	1.0	0.8	-2.5	-12.4	-10.0	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
7.9	-2.5	1.5	1.8	-2.9	-11.6	-9.8	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8	-2.0	2.7	2.7	-3.0	-9.6	-10.3	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8.1	-1.7	3.6	3.3	-2.8	-8.4	-7.8	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8.2	-0.8	4.5	4.1	-2.8	-5.3	-6.4	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8.3	0.6	5.3	4.4	-2.0	-4.0	-4.7	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8.4	1.8	5.9	4.8	-2.1	-2.2	-3.3	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8.5	2.7	6.1	4.9	-1.5	-1.6	-2.8	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8.6	3.4	6.1	4.4	-1.1	-1.7	-2.4	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8.7	3.9	6.1	4.3	-0.3	-1.9	-2.5	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8.8	3.9	5.5	3.7	-0.4	-2.5	-1.3	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
8.9	4.1	5.2	3.0	0.2	-2.9	-1.0	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y

Exhibit B

9	4.3	4.5	2.7	-0.1	-3.4	0.2	8.00	-6.00	-13.5	-12.0	-14.1	-16.9	-18.3	-18.7	Y
9.5	4.1	3.6	3.5	3.9	7.3	3.2	7.56	-6.44	-18.8	-14.5	-37.2	-19.7	-19.2	-21.1	Y
10	2.2	1.0	1.8	0.0	0.7	-7.3	7.00	-7.00	-22.0	-21.6	-17.4	-25.4	-14.9	-23.3	Y
15	4.6	6.3	5.4	6.0	3.5	3.9	2.60	-11.40	-20.5	-18.8	-24.6	-20.0	-21.5	-19.6	Y
20	0.8	0.1	-4.7	-2.4	-4.9	-0.6	-0.53	-14.53	-15.2	-14.3	-18.0	-18.8	-20.3	-20.5	N
25	-2.2	-4.5	-3.1	-5.0	-3.6	-10.3	-2.95	-16.95	-26.7	-25.9	-24.8	-21.9	-25.1	-19.8	Y
30	-1.2	-7.7	-8.5	-4.1	-7.1	-9.2	-4.93	-18.93	-20.0	-25.5	-27.8	-26.2	-31.2	-21.3	Y
35	-25.0	-11.2	-10.2	-15.5	-7.0	-9.4	-6.60	-20.60	-58.7	-22.0	-32.2	-30.2	-28.9	-31.7	Y
40	-17.3	-12.0	-10.0	-14.4	-7.9	-6.5	-8.05	-22.05	-32.1	-25.8	-27.8	-28.9	-21.9	-27.3	N
45	-19.9	-8.4	-25.6	-9.8	-20.3	-12.7	-9.33	-23.33	-29.4	-26.0	-37.4	-22.7	-34.4	-27.7	N
50	-6.1	-7.6	-16.7	-15.2	-9.6	-8.7	-10.00	-24.00	-29.8	-38.5	-33.0	-35.9	-26.8	-38.4	Y
55	-15.6	-7.5	-9.6	-10.4	-8.1	-18.9	-10.00	-24.00	-35.8	-30.0	-31.1	-40.2	-30.8	-46.4	Y
60	-19.6	-19.8	-14.7	-21.7	-9.6	-11.4	-10.00	-24.00	-28.2	-34.9	-32.5	-36.2	-28.5	-37.0	Y
65	-20.9	-13.4	-9.2	-14.4	-9.8	-14.6	-10.00	-24.00	-32.7	-28.2	-31.3	-32.6	-29.5	-34.2	Y
70	-22.6	-18.2	-26.4	-17.7	-15.7	-13.0	-10.00	-24.00	-36.8	-30.9	-25.7	-29.4	-33.0	-44.0	Y
75	-11.2	-14.7	-15.7	-6.6	-20.3	-16.5	-10.00	-24.00	-31.1	-27.9	-29.3	-25.1	-32.7	-36.9	Y
80	-22.5	-9.7	-17.3	-6.7	-26.5	-24.2	-10.00	-24.00	-34.0	-27.3	-28.7	-25.1	-29.0	-36.5	Y
85	-12.5	-5.7	-10.6	-9.8	-17.2	-13.7	-10.00	-24.00	-51.5	-35.4	-26.4	-25.1	-29.5	-29.8	Y
90	-13.4	-5.6	-28.8	-9.1	-13.9	-7.6	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
95	-22.1	-8.9	-30.7	-10.9	-17.3	-7.7	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
100	-31.6	-8.3	-17.5	-8.0	-30.9	-4.4	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
105	-17.5	-5.7	-14.6	-5.6	-8.8	-6.5	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
110	-17.4	-3.7	-13.1	-5.5	-10.1	-6.7	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
115	-11.0	-8.6	-18.4	-6.1	-9.3	-9.6	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
120	-10.0	-10.0	-9.1	-6.7	-7.2	-7.7	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
125	-22.7	-7.5	-15.7	-16.1	-8.9	-10.6	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
130	-6.8	-12.4	-7.4	-12.9	-9.4	-5.4	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
135	-12.3	-8.6	-12.7	-8.4	-7.2	-14.4	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
140	-48.4	-12.5	-20.8	-24.5	-16.3	-15.2	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
145	-12.1	-16.1	-18.6	-34.2	-30.1	-25.6	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
150	-25.1	-13.2	-19.3	-22.7	-15.7	-14.9	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
155	-17.6	-16.7	-19.1	-37.8	-29.2	-18.3	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y

Exhibit B

160	-13.2	-15.7	-20.0	-13.5	-18.4	-13.4	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
165	-15.2	-14.9	-14.4	-11.4	-16.3	-19.7	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
170	-16.1	-24.5	-18.8	-15.1	-14.4	-19.3	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
175	-16.7	-23.7	-17.8	-16.8	-33.7	-16.1	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y
180	-8.1	-11.2	-10.0	-13.0	-10.4	-7.1	0.00	-14.00	-32.4	-23.6	-28.3	-32.6	-46.0	-26.8	Y

Table 1 – GATR 12-14 Off-Axis EIRP GEO ARC Compliance

Exhibit B

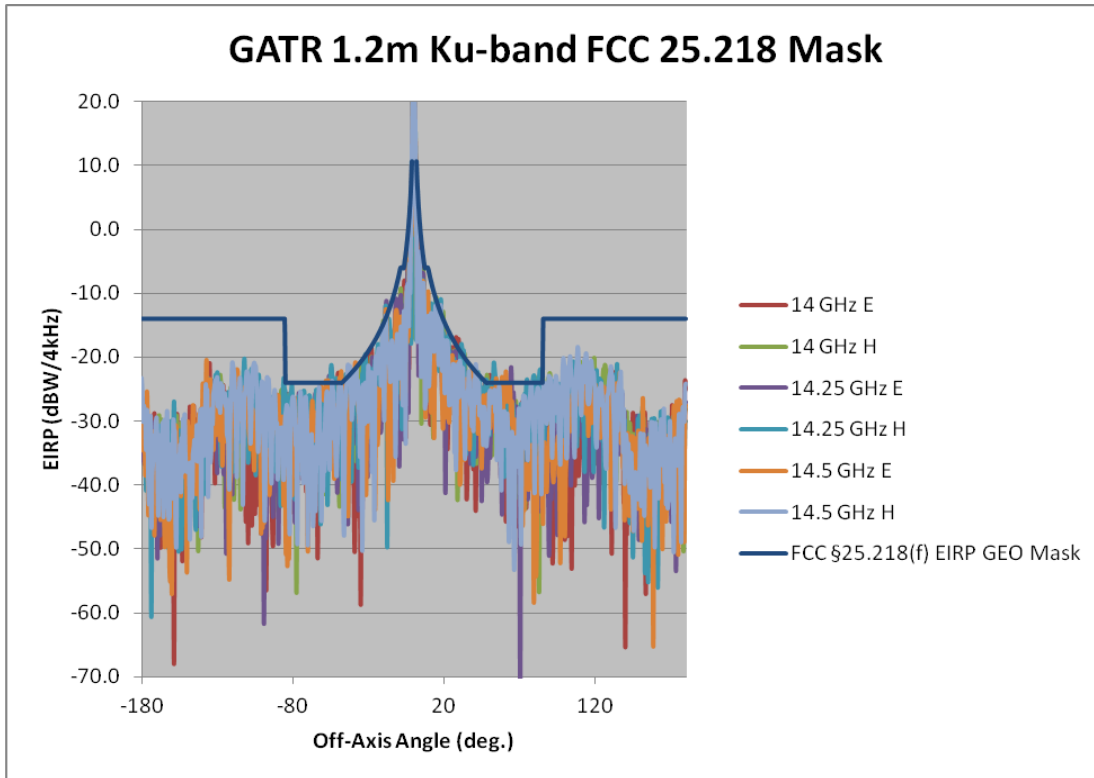


Figure 3 – EIRP Density Plot vs §25.218f(1) Geostationary Arc Plane, +/-180 degrees

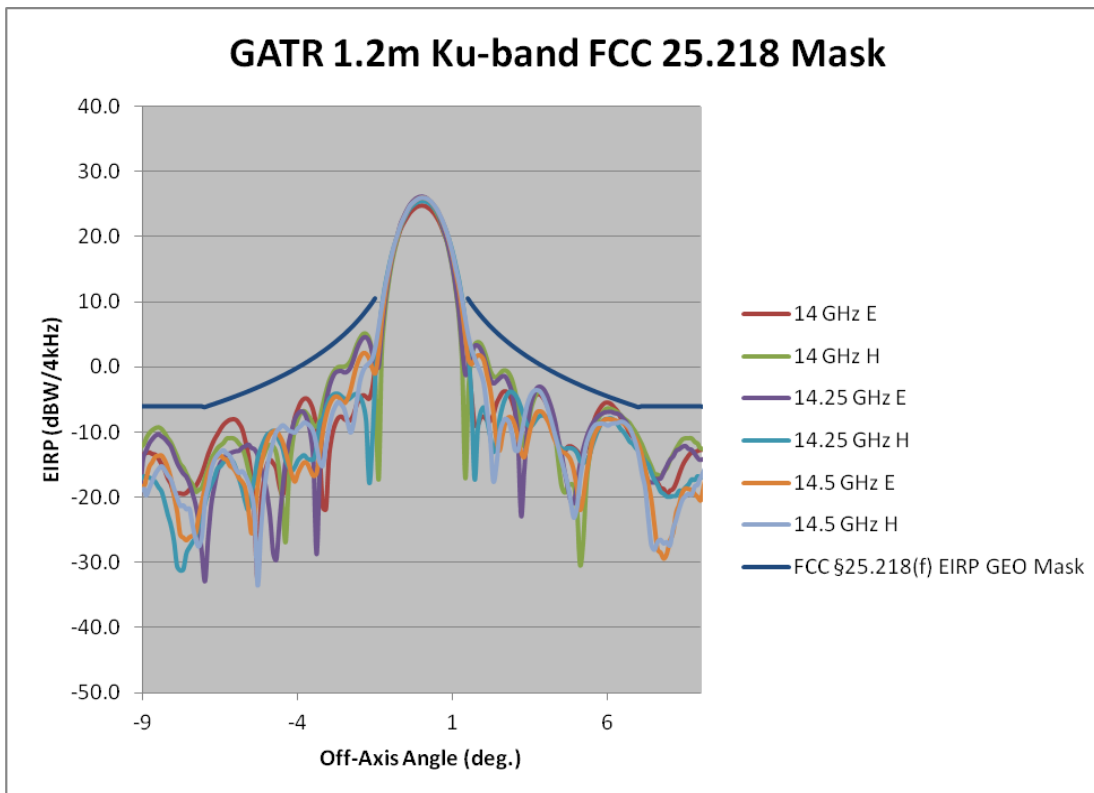


Figure 4 – EIRP Density Plot vs §25.218f(1) Geostationary Arc Plane Close-in +/-10 degrees

Exhibit B

Table 2 Elevation Plane	Antenna Gain (dBi)						RF Power Density = -17 dBW/4kHz	EIRP (dBW/4 kHz)					
	Off-Axis Angle	14 GHz VV	14.25 GHz VV	14.5 GHz VV	14 GHz HH	14.25 GHz HH	14.5 GHz HH	FCC §25.218 (f)(2)EIRP Elevation Mask	14 GHz VV	14.25 GHz VV	14.5 GHz VV	14 GHz HH	14.25 GHz HH
-9.00	1.99	-1.51	-4.27	-2.57	1.10	2.62	-5.86	-15.01	-18.51	-21.27	-19.57	-15.90	-14.38
-8.90	2.41	-0.58	-8.23	-1.13	0.67	1.08	-5.74	-14.59	-17.58	-25.23	-18.13	-16.33	-15.92
-8.80	2.38	-0.16	-14.00	-0.90	0.90	0.21	-5.61	-14.62	-17.16	-31.00	-17.90	-16.10	-16.79
-8.70	1.68	0.19	-12.30	-1.04	0.38	-1.06	-5.49	-15.32	-16.81	-29.30	-18.04	-16.62	-18.06
-8.60	1.43	0.36	-8.00	-1.76	0.77	-1.17	-5.36	-15.57	-16.64	-25.00	-18.76	-16.23	-18.17
-8.50	0.10	0.25	-6.37	-2.52	0.45	-1.23	-5.24	-16.90	-16.75	-23.37	-19.52	-16.55	-18.23
-8.40	-1.13	0.20	-5.54	-4.09	1.11	-0.97	-5.11	-18.13	-16.80	-22.54	-21.09	-15.89	-17.97
-8.30	-3.01	-0.64	-4.12	-5.52	1.06	-0.44	-4.98	-20.01	-17.64	-21.12	-22.52	-15.94	-17.44
-8.20	-5.03	-1.17	-4.62	-7.45	1.39	0.10	-4.85	-22.03	-18.17	-21.62	-24.45	-15.61	-16.90
-8.10	-5.15	-1.88	-4.25	-8.50	0.88	-0.20	-4.71	-22.15	-18.88	-21.25	-25.50	-16.12	-17.20
-8.00	-5.23	-3.20	-3.49	-8.96	0.95	0.05	-4.58	-22.23	-20.20	-20.49	-25.96	-16.05	-16.95
-7.90	-4.98	-2.95	-2.20	-8.97	1.06	-0.13	-4.44	-21.98	-19.95	-19.20	-25.97	-15.94	-17.13
-7.80	-4.86	-3.48	-1.64	-7.43	1.49	-1.09	-4.31	-21.86	-20.48	-18.64	-24.43	-15.51	-18.09
-7.70	-4.96	-2.22	-1.19	-6.69	1.59	-3.22	-4.16	-21.96	-19.22	-18.19	-23.69	-15.41	-20.22
-7.60	-3.85	-0.42	-0.07	-5.31	1.76	-6.04	-4.02	-20.85	-17.42	-17.07	-22.31	-15.24	-23.04
-7.50	-2.17	2.17	1.45	-3.38	2.09	-11.62	-3.88	-19.17	-14.83	-15.55	-20.38	-14.91	-28.62
-7.40	-0.49	4.16	3.07	-2.89	2.32	-10.45	-3.73	-17.49	-12.84	-13.93	-19.89	-14.68	-27.45
-7.30	1.67	5.92	4.55	-1.60	3.03	-3.91	-3.59	-15.33	-11.08	-12.45	-18.60	-13.97	-20.91
-7.20	3.04	7.48	6.03	-1.05	3.96	-0.32	-3.43	-13.96	-9.52	-10.97	-18.05	-13.04	-17.32
-7.10	4.28	8.48	7.16	-0.17	4.40	2.99	-3.29	-12.72	-8.52	-9.84	-17.17	-12.60	-14.01
-7.00	4.73	9.34	8.11	0.30	4.70	5.19	-3.13	-12.27	-7.66	-8.89	-16.70	-12.30	-11.81
-6.90	5.14	9.89	8.97	0.32	4.94	6.74	-2.97	-11.86	-7.11	-8.03	-16.68	-12.06	-10.26

Exhibit B

-6.80	5.49	10.27	9.77	0.74	4.82	7.85	-2.82	-11.51	-6.73	-7.23	-16.26	-12.18	-9.15
-6.70	5.76	10.18	9.97	1.56	4.61	8.29	-2.66	-11.24	-6.82	-7.03	-15.44	-12.39	-8.71
-6.60	6.07	10.07	10.11	2.10	4.76	8.60	-2.49	-10.93	-6.93	-6.89	-14.90	-12.24	-8.40
-6.50	6.09	9.77	10.11	3.18	4.24	8.65	-2.33	-10.91	-7.23	-6.89	-13.82	-12.76	-8.35
-6.40	6.20	9.52	9.83	4.46	3.72	8.21	-2.16	-10.80	-7.48	-7.17	-12.54	-13.28	-8.79
-6.30	6.44	9.02	9.59	5.39	3.20	7.78	-1.99	-10.56	-7.98	-7.41	-11.61	-13.80	-9.22
-6.20	6.58	8.49	8.94	6.57	2.68	7.12	-1.81	-10.42	-8.51	-8.06	-10.43	-14.32	-9.88
-6.10	6.61	8.15	8.62	7.26	2.72	6.60	-1.63	-10.39	-8.85	-8.38	-9.74	-14.28	-10.40
-6.00	6.41	7.87	8.35	8.00	2.87	5.95	-1.46	-10.59	-9.13	-8.65	-9.00	-14.13	-11.05
-5.90	6.57	7.33	8.25	8.24	2.31	5.36	-1.28	-10.43	-9.67	-8.75	-8.76	-14.69	-11.64
-5.80	6.91	6.47	8.11	7.90	1.41	4.60	-1.09	-10.09	-10.53	-8.89	-9.10	-15.59	-12.40
-5.70	7.10	5.17	7.54	7.12	0.04	4.31	-0.90	-9.90	-11.83	-9.46	-9.88	-16.96	-12.69
-5.60	6.69	2.52	6.50	5.83	-3.22	3.87	-0.71	-10.31	-14.48	-10.50	-11.17	-20.22	-13.13
-5.50	6.34	-1.71	5.20	3.62	-10.81	3.79	-0.51	-10.66	-18.71	-11.80	-13.38	-27.81	-13.21
-5.40	5.80	-9.69	3.21	2.03	-9.45	3.07	-0.31	-11.20	-26.69	-13.79	-14.97	-26.45	-13.93
-5.30	6.11	-4.31	-0.17	1.97	-1.61	1.83	-0.11	-10.89	-21.31	-17.17	-15.03	-18.61	-15.17
-5.20	6.76	1.37	-6.14	3.36	1.82	-0.77	0.10	-10.24	-15.63	-23.14	-13.64	-15.18	-17.77
-5.10	7.90	5.13	-17.47	4.63	4.36	-2.18	0.31	-9.10	-11.87	-34.47	-12.37	-12.64	-19.18
-5.00	8.59	7.16	-4.86	6.01	6.30	0.22	0.52	-8.41	-9.84	-21.86	-10.99	-10.70	-16.78
-4.90	9.16	8.77	0.02	6.84	7.14	3.89	0.74	-7.84	-8.23	-16.98	-10.16	-9.86	-13.11
-4.80	9.47	9.34	2.76	7.42	7.42	5.81	0.97	-7.53	-7.66	-14.24	-9.58	-9.58	-11.19
-4.70	9.33	9.59	3.73	7.86	7.34	7.35	1.19	-7.67	-7.41	-13.27	-9.14	-9.66	-9.65
-4.60	8.72	9.18	4.36	7.86	6.86	7.42	1.43	-8.28	-7.82	-12.64	-9.14	-10.14	-9.58
-4.50	8.08	8.28	4.13	7.58	6.35	6.83	1.66	-8.92	-8.72	-12.87	-9.42	-10.65	-10.17
-4.40	7.28	7.20	3.91	6.56	5.86	6.03	1.91	-9.72	-9.80	-13.09	-10.44	-11.14	-10.97
-4.30	6.83	6.14	4.28	4.85	5.67	5.47	2.16	-10.17	-10.86	-12.72	-12.15	-11.33	-11.53
-4.20	6.88	6.22	5.16	3.80	5.52	5.43	2.41	-10.12	-10.78	-11.84	-13.20	-11.48	-11.57
-4.10	7.42	7.19	5.91	4.20	6.04	5.60	2.68	-9.58	-9.81	-11.09	-12.80	-10.96	-11.40
-4.00	7.86	8.42	7.10	5.31	6.74	6.00	2.94	-9.14	-8.58	-9.90	-11.69	-10.26	-11.00
-3.90	8.18	9.31	7.49	6.15	7.00	6.62	3.22	-8.82	-7.69	-9.51	-10.85	-10.00	-10.38
-3.80	7.91	9.48	7.32	6.55	6.83	6.78	3.50	-9.09	-7.52	-9.68	-10.45	-10.17	-10.22
-3.70	7.42	8.76	5.89	6.51	6.32	6.19	3.79	-9.58	-8.24	-11.11	-10.49	-10.68	-10.81

Exhibit B

-3.60	5.27	7.15	2.39	6.67	4.93	4.56	4.09	-11.73	-9.85	-14.61	-10.33	-12.07	-12.44
-3.50	1.60	3.65	-6.83	6.95	4.01	2.06	4.39	-15.40	-13.35	-23.83	-10.05	-12.99	-14.94
-3.40	-1.89	-1.40	-3.96	7.40	4.65	-0.68	4.70	-18.89	-18.40	-20.96	-9.60	-12.35	-17.68
-3.30	1.76	0.16	4.80	8.23	6.76	2.40	5.03	-15.24	-16.84	-12.20	-8.77	-10.24	-14.60
-3.20	6.72	6.45	9.10	8.98	8.61	6.49	5.37	-10.28	-10.55	-7.90	-8.02	-8.39	-10.51
-3.10	9.87	10.33	11.90	9.96	10.69	9.68	5.71	-7.13	-6.67	-5.10	-7.04	-6.31	-7.32
-3.00	11.93	12.59	13.90	10.79	12.26	11.66	6.07	-5.07	-4.41	-3.10	-6.21	-4.74	-5.34
-2.90	13.17	13.93	14.89	11.54	13.27	12.84		-3.83	-3.07	-2.11	-5.46	-3.73	-4.16
-2.80	13.83	14.48	15.23	12.01	13.80	13.36		-3.17	-2.52	-1.77	-4.99	-3.20	-3.64
-2.70	14.04	14.41	14.85	12.27	13.90	13.31		-2.96	-2.59	-2.15	-4.73	-3.10	-3.69
-2.60	13.62	13.89	13.47	11.98	13.67	12.62		-3.38	-3.11	-3.53	-5.02	-3.33	-4.38
-2.50	12.45	13.40	11.21	11.47	13.11	11.42		-4.55	-3.60	-5.79	-5.53	-3.89	-5.58
-2.40	10.77	13.78	9.87	10.70	13.03	9.55		-6.23	-3.22	-7.13	-6.30	-3.97	-7.45
-2.30	9.15	15.39	12.59	9.98	13.63	9.51		-7.85	-1.61	-4.41	-7.02	-3.37	-7.49
-2.20	9.15	17.73	16.42	9.28	14.94	11.20		-7.85	0.73	-0.58	-7.72	-2.06	-5.80
-2.10	11.39	19.90	19.22	8.90	16.48	13.62		-5.61	2.90	2.22	-8.10	-0.52	-3.38
-2.00	13.91	21.74	21.31	9.89	17.93	15.71		-3.09	4.74	4.31	-7.11	0.93	-1.29
-1.90	16.04	23.05	22.67	12.03	19.10	16.85		-0.96	6.05	5.67	-4.97	2.10	-0.15
-1.80	17.89	24.06	23.24	15.25	20.34	17.46		0.89	7.06	6.24	-1.75	3.34	0.46
-1.70	19.75	24.72	23.31	18.43	21.81	18.14		2.75	7.72	6.31	1.43	4.81	1.14
-1.60	21.69	25.03	22.74	21.62	23.35	19.22		4.69	8.03	5.74	4.62	6.35	2.22
-1.50	23.43	25.32	21.99	24.59	25.33	21.58		6.43	8.32	4.99	7.59	8.33	4.58
-1.40	25.81	26.22	21.94	26.97	27.30	24.41		8.81	9.22	4.94	9.97	10.30	7.41
-1.30	28.16	27.73	24.14	29.25	29.49	27.55		11.16	10.73	7.14	12.25	12.49	10.55
-1.20	30.18	29.59	27.40	31.18	31.53	30.30		13.18	12.59	10.40	14.18	14.53	13.30
-1.10	32.15	31.67	30.62	33.01	33.45	32.71		15.15	14.67	13.62	16.01	16.45	15.71
-1.00	33.93	33.72	33.24	34.69	35.16	34.76		16.93	16.72	16.24	17.69	18.16	17.76
-0.90	35.48	35.56	35.39	36.09	36.62	36.43		18.48	18.56	18.39	19.09	19.62	19.43
-0.80	36.83	37.15	37.28	37.36	38.02	38.10		19.83	20.15	20.28	20.36	21.02	21.10
-0.70	38.13	38.68	39.07	38.40	39.13	39.42		21.13	21.68	22.07	21.40	22.13	22.42
-0.60	38.93	39.55	40.06	39.32	40.03	40.45		21.93	22.55	23.06	22.32	23.03	23.45
-0.50	39.77	40.53	41.08	40.13	40.84	41.29		22.77	23.53	24.08	23.13	23.84	24.29

Exhibit B

-0.40	40.43	41.35	41.92	40.71	41.50	42.03		23.43	24.35	24.92	23.71	24.50	25.03
-0.30	40.90	41.91	42.53	41.12	41.97	42.55		23.90	24.91	25.53	24.12	24.97	25.55
-0.20	41.24	42.26	42.90	41.42	42.29	42.90		24.24	25.26	25.90	24.42	25.29	25.90
-0.10	41.46	42.47	43.16	41.64	42.46	43.09		24.46	25.47	26.16	24.64	25.46	26.09
0.00	41.50	42.45	43.22	41.65	42.49	43.12		24.50	25.45	26.22	24.65	25.49	26.12
0.10	41.42	42.34	43.09	41.54	42.39	42.99		24.42	25.34	26.09	24.54	25.39	25.99
0.20	41.13	41.95	42.66	41.31	42.14	42.66		24.13	24.95	25.66	24.31	25.14	25.66
0.30	40.74	41.46	42.16	40.84	41.62	42.09		23.74	24.46	25.16	23.84	24.62	25.09
0.40	40.15	40.74	41.40	40.24	40.98	41.38		23.15	23.74	24.40	23.24	23.98	24.38
0.50	39.41	39.85	40.50	39.65	40.37	40.65		22.41	22.85	23.50	22.65	23.37	23.65
0.60	38.50	38.85	39.45	38.79	39.46	39.64		21.50	21.85	22.45	21.79	22.46	22.64
0.70	37.39	37.51	37.98	37.80	38.33	38.30		20.39	20.51	20.98	20.80	21.33	21.30
0.80	36.00	35.85	36.05	36.69	37.09	36.78		19.00	18.85	19.05	19.69	20.09	19.78
0.90	34.55	34.08	33.93	35.24	35.48	34.85		17.55	17.08	16.93	18.24	18.48	17.85
1.00	32.77	32.08	31.37	33.52	33.61	32.54		15.77	15.08	14.37	16.52	16.61	15.54
1.10	30.54	29.87	28.32	31.88	31.77	30.23		13.54	12.87	11.32	14.88	14.77	13.23
1.20	28.09	27.78	25.10	29.66	29.53	27.08		11.09	10.78	8.10	12.66	12.53	10.08
1.30	25.53	26.37	23.48	27.04	27.08	23.67		8.53	9.37	6.48	10.04	10.08	6.67
1.40	23.00	25.94	24.17	23.38	24.46	20.92		6.00	8.94	7.17	6.38	7.46	3.92
1.50	20.57	25.90	25.51	20.16	22.92	20.62		3.57	8.90	8.51	3.16	5.92	3.62
1.60	19.70	25.88	26.20	15.40	21.73	21.38		2.70	8.88	9.20	-1.60	4.73	4.38
1.70	19.39	25.66	26.47	9.19	21.11	21.97		2.39	8.66	9.47	-7.81	4.11	4.97
1.80	19.13	25.05	26.19	3.47	20.82	22.11		2.13	8.05	9.19	-13.53	3.82	5.11
1.90	18.69	24.15	25.50	5.00	20.24	21.69		1.69	7.15	8.50	-12.00	3.24	4.69
2.00	17.66	22.65	24.23	6.69	19.22	20.58		0.66	5.65	7.23	-10.31	2.22	3.58
2.10	16.18	20.53	22.39	6.80	17.72	18.77		-0.82	3.53	5.39	-10.20	0.72	1.77
2.20	13.93	17.72	19.77	5.55	15.72	16.16		-3.07	0.72	2.77	-11.45	-1.28	-0.84
2.30	10.80	13.85	16.35	2.95	12.98	12.48		-6.20	-3.15	-0.65	-14.05	-4.02	-4.52
2.40	6.00	7.97	11.81	0.38	9.36	6.77		-11.00	-9.03	-5.19	-16.62	-7.64	-10.23
2.50	-4.00	3.96	7.67	-0.51	5.32	0.96		-21.00	-13.04	-9.33	-17.51	-11.68	-16.04
2.60	-10.21	7.37	9.33	2.08	4.78	5.84		-27.21	-9.63	-7.67	-14.92	-12.22	-11.16
2.70	-0.29	10.29	11.85	3.95	6.99	9.39		-17.29	-6.71	-5.15	-13.05	-10.01	-7.61

Exhibit B

2.80	2.40	11.24	12.99	5.43	8.60	10.87		-14.60	-5.76	-4.01	-11.57	-8.40	-6.13
2.90	3.15	11.42	13.18	5.87	9.43	11.46		-13.85	-5.58	-3.82	-11.13	-7.57	-5.54
3.00	2.00	10.45	12.24	5.88	9.21	10.99		-15.00	-6.55	-4.76	-11.12	-7.79	-6.01
3.10	-0.68	8.94	10.64	5.84	8.42	10.04	5.72	-17.68	-8.06	-6.36	-11.16	-8.58	-6.96
3.20	-8.03	6.96	8.02	5.54	7.01	8.32	5.38	-25.03	-10.04	-8.98	-11.46	-9.99	-8.68
3.30	-7.04	5.04	4.10	5.87	5.60	6.40	5.05	-24.04	-11.96	-12.90	-11.13	-11.40	-10.60
3.40	0.36	4.52	-4.55	6.08	3.95	3.97	4.72	-16.64	-12.48	-21.55	-10.92	-13.05	-13.03
3.50	3.74	5.56	-15.38	6.39	1.89	1.67	4.40	-13.26	-11.44	-32.38	-10.61	-15.11	-15.33
3.60	5.64	6.68	-2.52	6.50	1.11	0.57	4.10	-11.36	-10.32	-19.52	-10.50	-15.89	-16.43
3.70	6.97	6.81	1.41	6.38	-0.22	-0.12	3.80	-10.03	-10.19	-15.59	-10.62	-17.22	-17.12
3.80	7.14	6.41	2.93	6.23	-1.45	0.16	3.51	-9.86	-10.59	-14.07	-10.77	-18.45	-16.84
3.90	7.06	5.47	3.15	5.51	-2.94	0.42	3.23	-9.94	-11.53	-13.85	-11.49	-19.94	-16.58
4.00	6.32	4.10	2.48	5.28	-2.16	2.14	2.95	-10.68	-12.90	-14.52	-11.72	-19.16	-14.86
4.10	5.92	3.62	2.14	5.48	0.41	4.19	2.69	-11.08	-13.38	-14.86	-11.52	-16.59	-12.81
4.20	5.71	4.32	2.45	6.12	3.22	6.02	2.42	-11.29	-12.68	-14.55	-10.88	-13.78	-10.98
4.30	6.05	6.41	3.78	7.04	5.74	7.72	2.17	-10.95	-10.59	-13.22	-9.96	-11.26	-9.28
4.40	6.43	7.73	4.70	7.98	7.43	8.90	1.92	-10.57	-9.27	-12.30	-9.02	-9.57	-8.10
4.50	6.96	8.85	5.69	8.48	8.69	9.53	1.67	-10.05	-8.15	-11.31	-8.52	-8.31	-7.47
4.60	7.44	9.28	5.98	8.73	9.43	9.88	1.44	-9.56	-7.72	-11.02	-8.27	-7.57	-7.12
4.70	7.78	8.88	5.76	8.83	9.93	9.65	1.20	-9.22	-8.12	-11.24	-8.17	-7.07	-7.35
4.80	7.80	8.13	5.09	8.31	9.68	8.95	0.97	-9.20	-8.87	-11.91	-8.69	-7.32	-8.05
4.90	7.43	6.46	3.51	7.20	9.40	7.82	0.75	-9.57	-10.54	-13.49	-9.80	-7.60	-9.18
5.00	6.65	4.05	0.59	5.47	8.58	6.48	0.53	-10.35	-12.95	-16.41	-11.53	-8.42	-10.52
5.10	5.73	-1.29	-1.69	2.42	7.23	4.57	0.31	-11.27	-18.29	-18.69	-14.58	-9.77	-12.43
5.20	4.53	-11.66	-1.04	-2.14	5.28	2.34	0.10	-12.47	-28.66	-18.04	-19.14	-11.72	-14.66
5.30	3.93	-2.86	2.11	-4.19	2.93	0.28	-0.10	-13.07	-19.86	-14.89	-21.19	-14.07	-16.72
5.40	5.19	3.44	4.48	-0.45	-0.23	-0.87	-0.31	-11.81	-13.56	-12.52	-17.45	-17.23	-17.87
5.50	6.36	6.23	6.13	3.33	-4.99	-0.42	-0.51	-10.64	-10.77	-10.87	-13.67	-21.99	-17.42
5.60	7.32	7.99	7.40	5.30	-14.41	0.38	-0.70	-9.68	-9.01	-9.60	-11.70	-31.41	-16.62
5.70	8.10	9.16	8.38	6.64	-10.85	1.43	-0.89	-8.90	-7.84	-8.62	-10.36	-27.85	-15.57
5.80	8.12	9.37	8.97	7.31	-5.40	2.36	-1.08	-8.88	-7.63	-8.03	-9.69	-22.40	-14.64
5.90	8.04	9.44	9.16	7.56	-2.89	3.30	-1.27	-8.96	-7.56	-7.84	-9.44	-19.89	-13.70

Exhibit B

6.00	7.87	9.51	9.38	7.48	-1.21	3.74	-1.45	-9.13	-7.49	-7.62	-9.52	-18.21	-13.26
6.10	7.47	9.53	9.41	6.95	-0.38	4.75	-1.63	-9.53	-7.47	-7.59	-10.06	-17.38	-12.25
6.20	7.19	9.88	9.62	6.52	0.65	5.68	-1.81	-9.81	-7.12	-7.38	-10.48	-16.35	-11.32
6.30	7.10	10.34	10.00	5.69	1.77	6.26	-1.98	-9.90	-6.66	-7.00	-11.31	-15.23	-10.75
6.40	7.25	10.48	10.25	5.18	2.79	6.99	-2.15	-9.75	-6.52	-6.75	-11.82	-14.21	-10.01
6.50	7.24	10.78	10.63	4.60	3.87	7.63	-2.32	-9.76	-6.22	-6.37	-12.40	-13.13	-9.37
6.60	6.90	10.93	10.67	3.51	4.28	7.64	-2.49	-10.10	-6.07	-6.33	-13.49	-12.72	-9.36
6.70	6.29	10.70	10.62	2.98	4.17	7.21	-2.65	-10.71	-6.30	-6.38	-14.02	-12.83	-9.79
6.80	5.67	10.03	10.05	2.08	4.18	6.67	-2.81	-11.33	-6.97	-6.95	-14.92	-12.82	-10.33
6.90	4.72	9.06	9.31	1.07	3.80	5.48	-2.97	-12.28	-7.94	-7.69	-15.93	-13.20	-11.52
7.00	3.55	7.78	8.32	-0.42	3.13	4.15	-3.13	-13.45	-9.22	-8.68	-17.42	-13.87	-12.85
7.10	2.42	6.06	6.88	-1.94	2.51	2.13	-3.28	-14.58	-10.94	-10.12	-18.94	-14.49	-14.87
7.20	1.05	4.08	5.48	-4.07	1.41	-0.49	-3.43	-15.95	-12.92	-11.52	-21.07	-15.59	-17.49
7.30	0.51	1.29	4.25	-6.97	-0.66	-3.80	-3.58	-16.49	-15.71	-12.75	-23.97	-17.66	-20.80
7.40	0.31	-1.71	2.42	-10.54	-2.25	-7.11	-3.73	-16.69	-18.71	-14.58	-27.54	-19.25	-24.11
7.50	0.54	-4.64	1.50	-8.87	-5.78	-8.75	-3.87	-16.46	-21.64	-15.50	-25.87	-22.78	-25.75
7.60	0.90	-4.58	0.04	-7.41	-7.93	-12.18	-4.02	-16.10	-21.58	-16.96	-24.41	-24.93	-29.18
7.70	0.48	-3.89	-1.05	-5.45	-11.85	-10.04	-4.16	-16.52	-20.89	-18.05	-22.45	-28.85	-27.04
7.80	-0.16	-3.24	-1.95	-5.73	-13.77	-9.35	-4.30	-17.16	-20.24	-18.95	-22.73	-30.77	-26.35
7.90	-1.96	-2.75	-1.60	-5.65	-13.14	-9.40	-4.44	-18.96	-19.75	-18.60	-22.65	-30.14	-26.40
8.00	-4.49	-2.34	-0.82	-5.71	-7.92	-7.11	-4.57	-21.49	-19.34	-17.82	-22.71	-24.92	-24.11
8.10	-7.44	-2.72	-0.33	-4.44	-5.12	-6.80	-4.71	-24.44	-19.72	-17.33	-21.44	-22.12	-23.80
8.20	-13.50	-2.38	0.31	-2.80	-3.17	-4.71	-4.84	-30.50	-19.38	-16.69	-19.80	-20.17	-21.71
8.30	-9.62	-0.81	0.61	-1.23	-1.82	-3.64	-4.97	-26.62	-17.81	-16.39	-18.23	-18.82	-20.64
8.40	-4.56	0.35	0.47	1.04	-0.24	-3.61	-5.10	-21.56	-16.65	-16.53	-15.96	-17.24	-20.61
8.50	-1.26	2.02	0.39	2.03	0.61	-3.18	-5.24	-18.26	-14.98	-16.61	-14.97	-16.39	-20.18
8.60	0.94	3.14	-0.83	3.25	1.30	-2.22	-5.36	-16.06	-13.86	-17.83	-13.75	-15.70	-19.22
8.70	2.07	3.83	-2.07	3.96	1.73	-2.17	-5.48	-14.93	-13.17	-19.07	-13.04	-15.27	-19.17
8.80	2.65	4.37	-3.00	4.41	1.92	-2.13	-5.61	-14.35	-12.63	-20.00	-12.59	-15.08	-19.13
8.90	2.98	4.41	-3.95	4.43	1.26	-2.52	-5.73	-14.02	-12.59	-20.95	-12.57	-15.74	-19.52
9.00	3.56	3.81	-4.02	4.23	1.25	-2.08	-5.85	-13.44	-13.19	-21.02	-12.77	-15.75	-19.08
10.00	2.09	-0.43	-4.49	2.10	1.07	1.24	-7.00	-14.91	-17.43	-21.49	-14.90	-15.93	-15.76

Exhibit B

15.00	3.65	3.94	5.50	-0.06	0.28	1.09	-11.40	-13.35	-13.06	-11.50	-17.06	-16.72	-15.91
20.00	0.82	-2.19	-1.50	-2.96	-6.61	-6.97	-14.53	-16.18	-19.19	-18.50	-19.96	-23.61	-23.97
25.00	-5.32	-5.21	-12.50	-7.55	-8.35	-10.94	-16.95	-22.32	-22.21	-29.50	-24.55	-25.35	-27.94
30.00	-10.49	-10.26	-6.43	-4.91	-19.20	-8.07	-18.93	-27.49	-27.26	-23.43	-21.91	-36.20	-25.07
35.00	-5.63	-8.62	-17.17	-13.35	-10.90	-9.78	-20.60	-22.63	-25.62	-34.17	-30.35	-27.90	-26.78
40.00	-13.03	-19.56	-6.23	-10.97	-10.26	-3.86	-22.05	-30.03	-36.56	-23.23	-27.97	-27.26	-20.86

Table 2 – EIRP Density vs. 25.218f(2) Non Geostationary Plane

Exhibit B

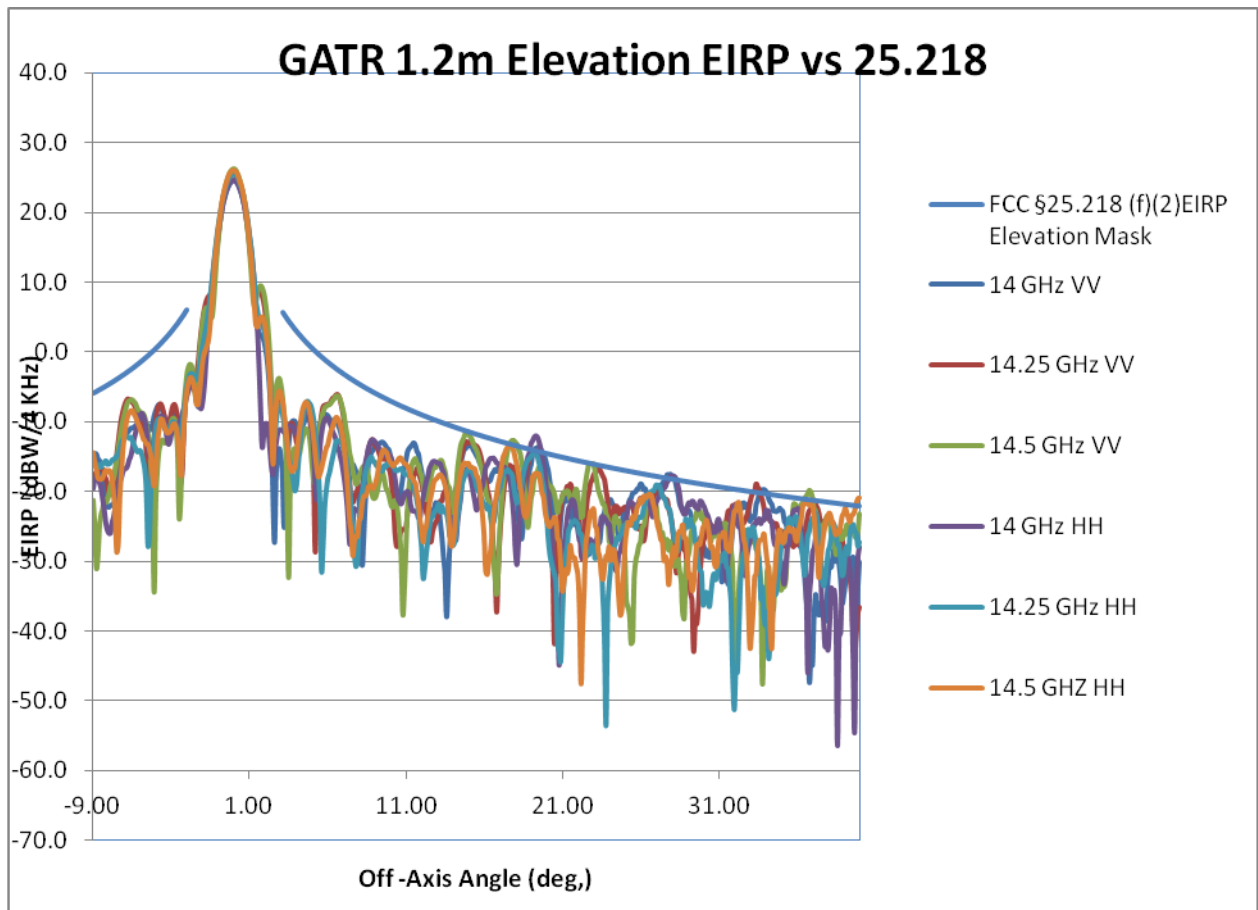


Figure 5 – EIRP Density vs. 25.218f(2) Non-Geo/Elevation Plane

Exhibit B

The following section contains the following antenna patterns:

1. Antenna Patterns – 14 GHz - Azimuth +/- 9 degrees H-plane, low, middle, high band
2. Antenna Patterns – 14 GHz - Azimuth +/- 9 degrees V-plane, low, middle, high band
3. Antenna Patterns – 14 GHz - Azimuth +/- 180 degrees H-plane, mid-band
4. Antenna Patterns – 14 GHz - Azimuth +/- 180 degrees V-plane, mid-band
5. Antenna Patterns – 14 GHz - Elevation + 40 /- 10 degrees H-plane, mid-band
6. Antenna Patterns – 14 GHz - Elevation + 40 /- 10 degrees V-plane, mid-band

Exhibit B

1. Antenna Patterns -14 GHz - Azimuth +/- 9 degrees H-plane, low, middle, high band

1.2-4: AZ9 HH

14.00 GHz

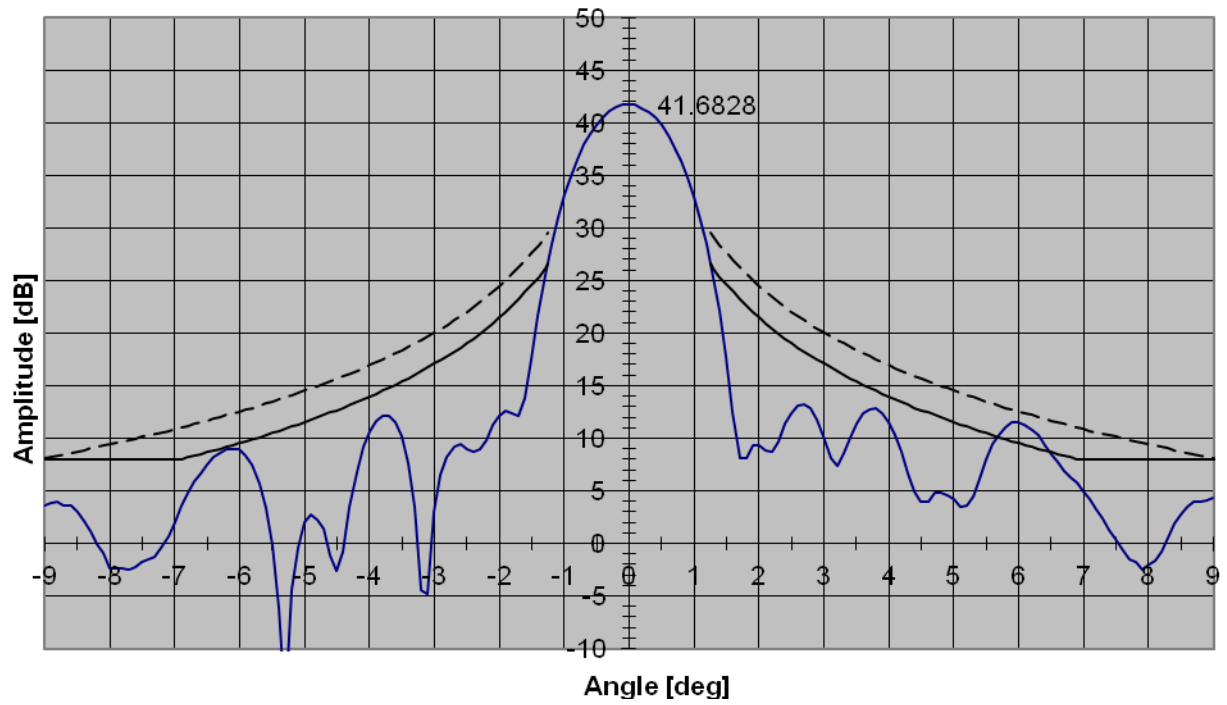
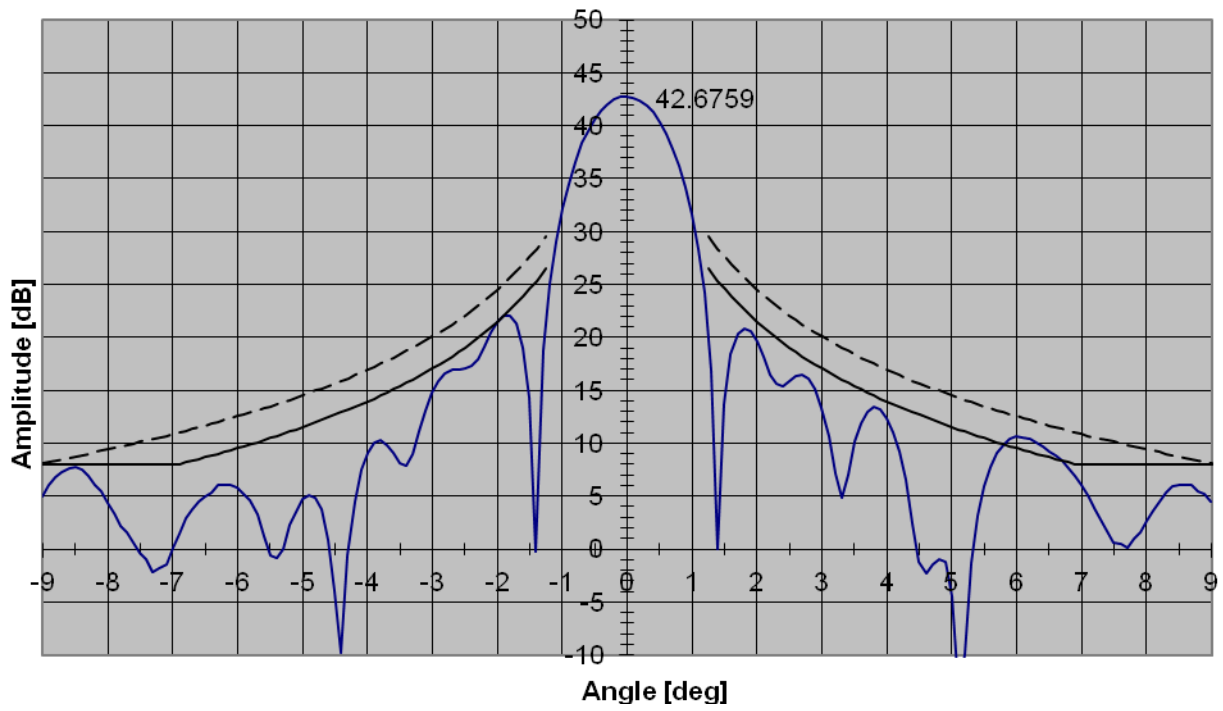


Exhibit B

1.2-4: AZ9 HH

14.25 GHz



1.2-4: AZ9 HH

14.50 GHz

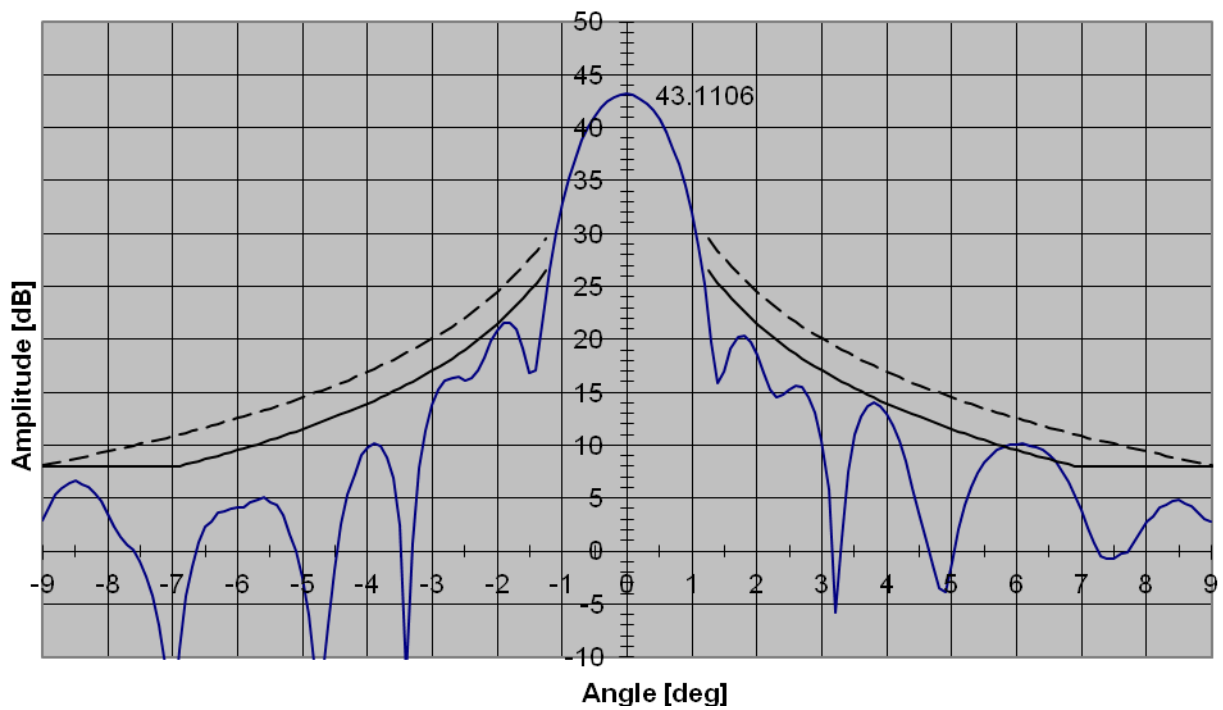


Exhibit B

2. Antenna Patterns – 14 GHz - Azimuth +/- 9 degrees V-plane, low, middle, high band

1.2-4: AZ9 VV

14.00 GHz

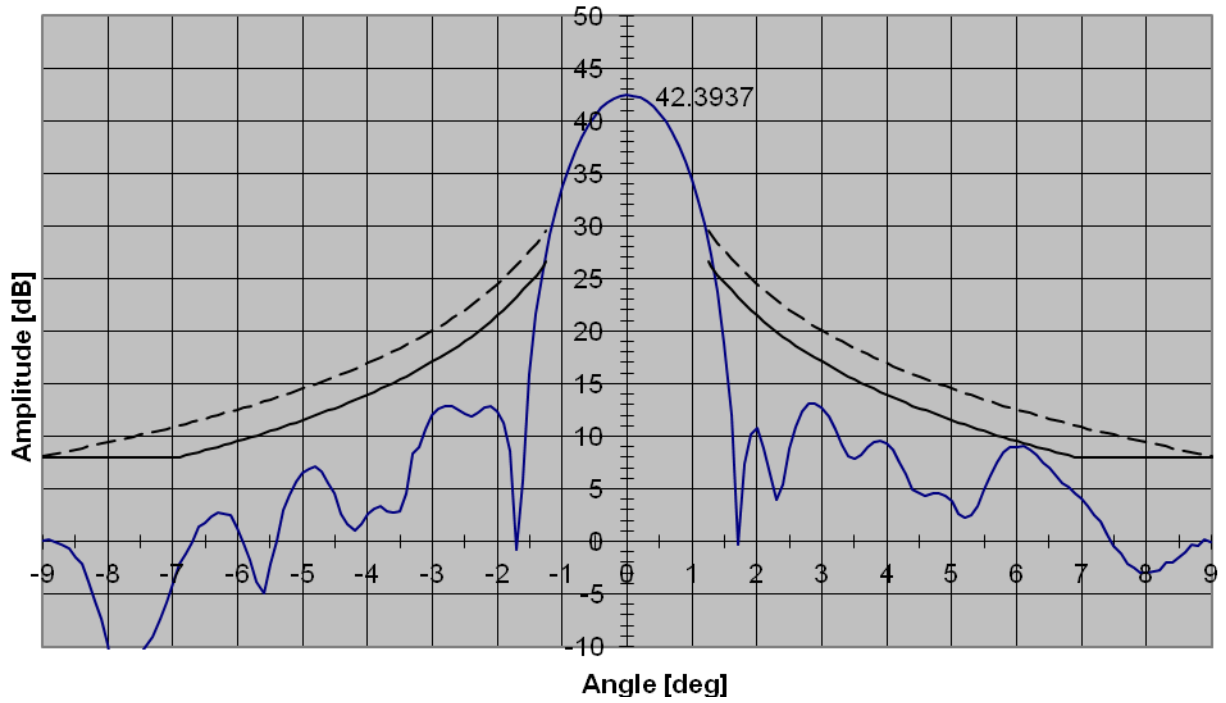
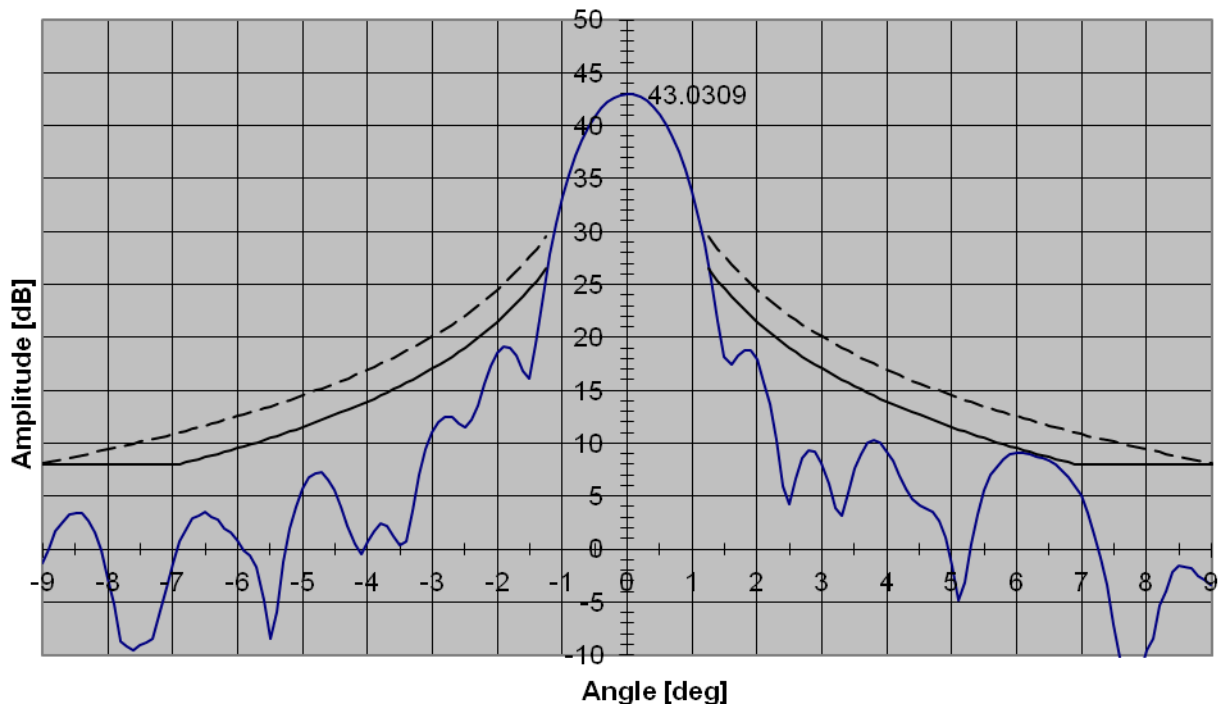


Exhibit B

1.2-4: AZ9 VV

14.25 GHz



1.2-4: AZ9 VV

14.50 GHz

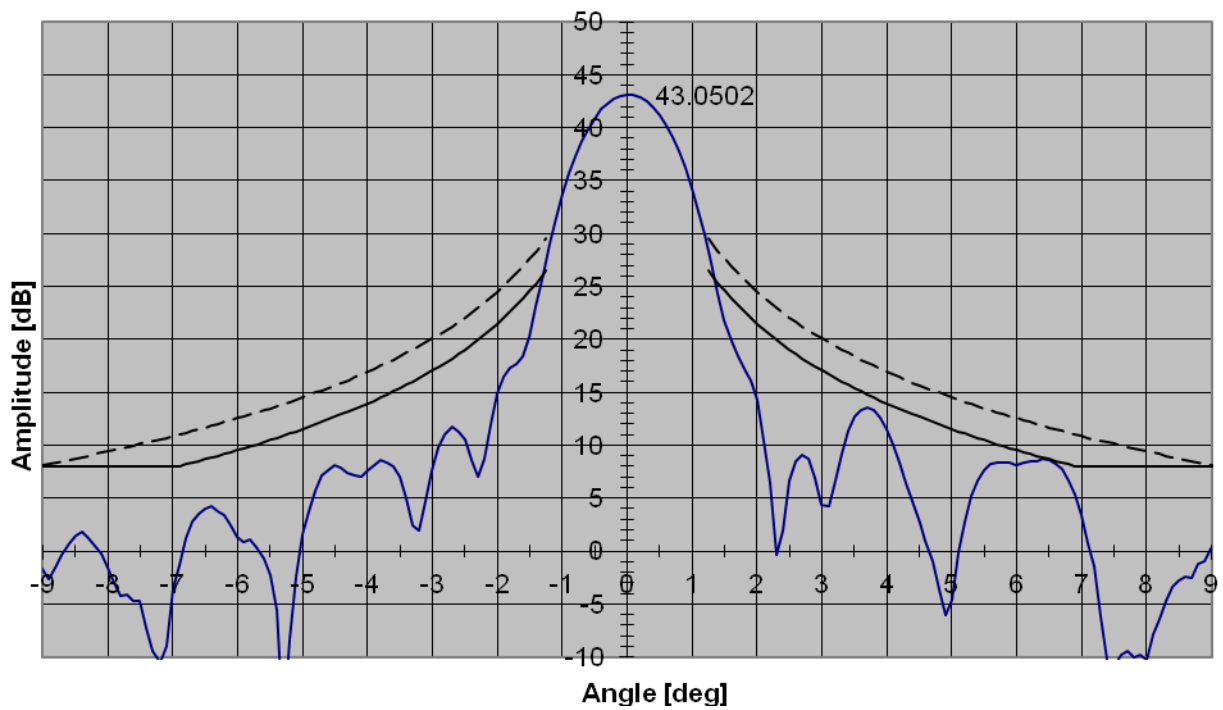


Exhibit B

3. Antenna Patterns – 14 GHz - Azimuth +/- 180 degrees H-plane, mid-band

1.2-4: AZ180 HH

14.25 GHz

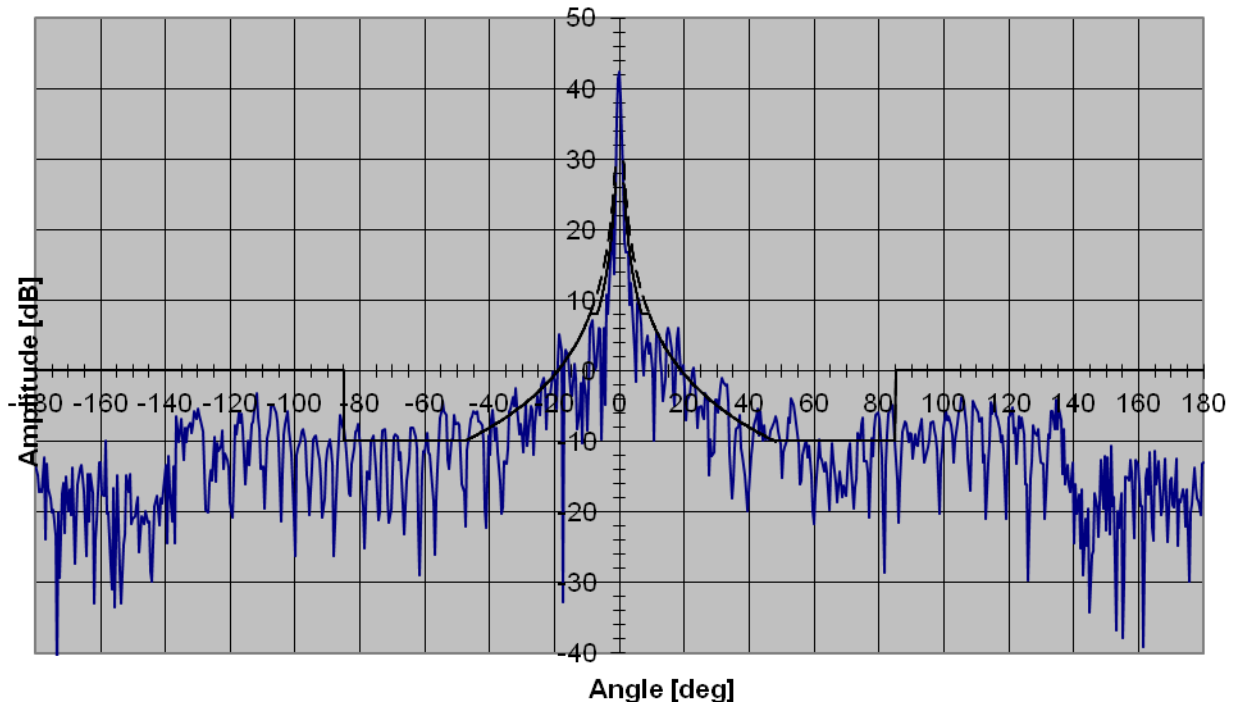


Exhibit B

4. Antenna Patterns – 14 GHz - Azimuth +/- 180 degrees V-plane, mid-band

1.2-4: AZ180 VV

14.25 GHz

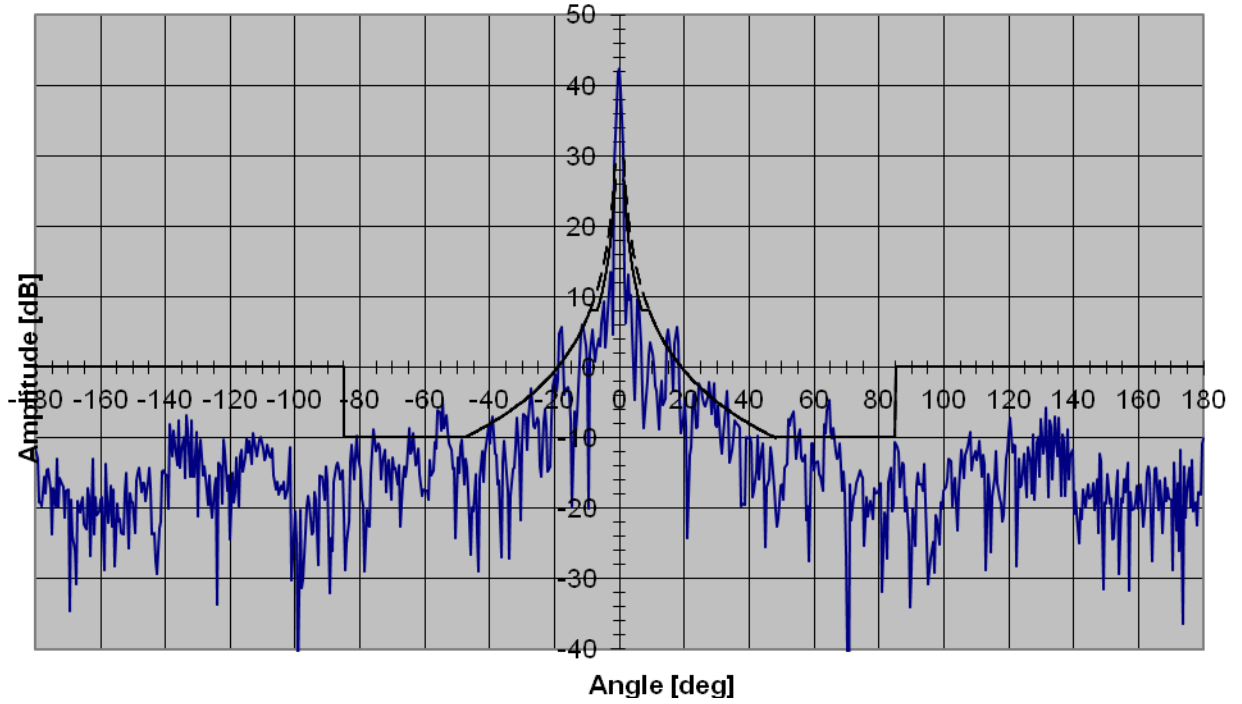


Exhibit B

5. Antenna Patterns – 14 GHz - Elevation + 40 /- 10 degrees H-plane, mid-band

1.2-4: EL40 HH

14.25 GHz

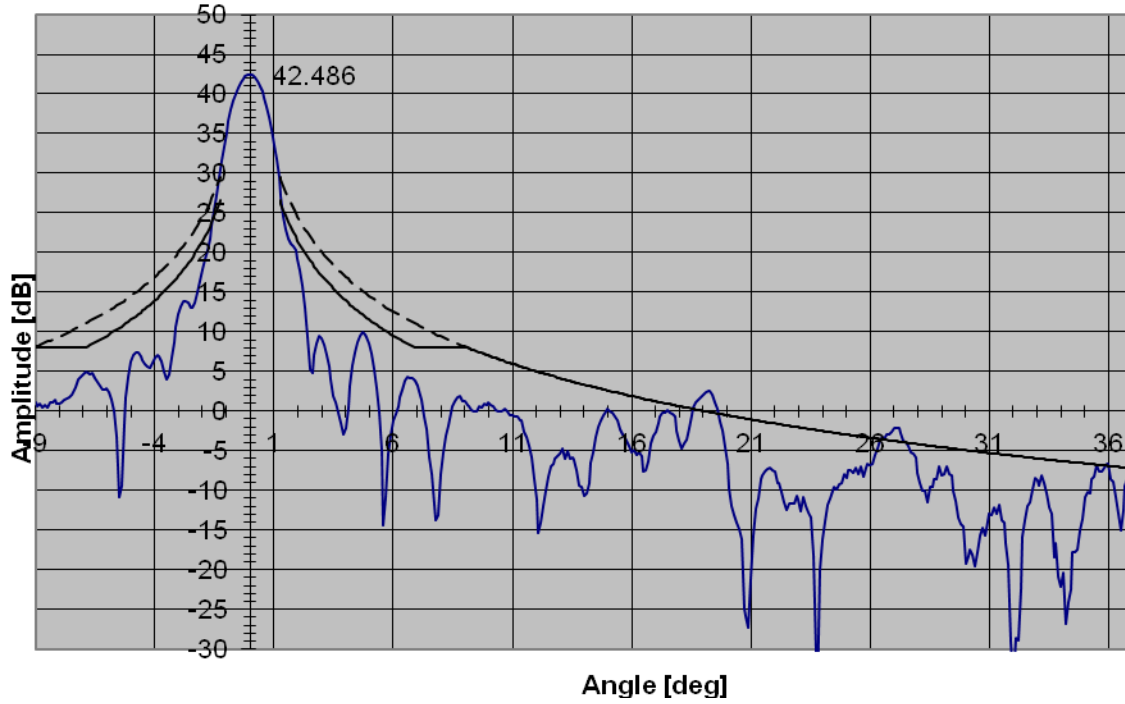


Exhibit B

6. Antenna Patterns – 14 GHz - Elevation + 40 +/- 10 degrees V-plane, mid-band

1.2-4: EL40 VV 14.25 GHz

