

SES - AMD 20050815-01102

Reviewed by Scott Kottler

Basic Clear Sky Parameter Table

Number of Potential Simultaneous Transmitters, N	3	Antenna Gain, dB	65.7
Maximum Clear Sky Boresight EIRP at Operating BW, dBW	65.7	Clear Sky Power at Antenna Flange Over Nominal Operating BW, W	1.00
Nominal Operating BW, Hz	60000000	Clear Sky Power at Antenna Flange Over Nominal Operating BW, dBW	0
Specification BW, Hz	40000	Clear Sky Power at Flange, dBW/40kHz	-31.76

Compliance Demonstration Table

	Off Boresight Angle, theta, degrees	EIRP Limit, dBW/40kHz	Off Axis Antenna Gain, dB	EIRP, dBW/40kHz	Margin, dBW
Within 3 degrees of GSO	2	6.2	20.7	-11.06	17.26
	2.2	5.2	20.7	-11.06	16.23
	2.4	4.2	19.7	-12.06	16.28
	2.6	3.4	20.7	-11.06	14.42
	2.8	2.5	19.7	-12.06	14.61
	3	1.8	18.7	-13.06	14.86
	7	-7.4	7.7	-24.06	16.66
	7	-7.4	7.7	-24.06	16.66
	9.23	-7.4	0.7	-31.06	23.66
	9.23	-7.4	0.7	-31.06	23.66
	48	-25.3	0.7	-31.06	5.76
	48	-15.3	0.7	-31.06	15.79
	180	-15.3	0.7	-31.06	15.79
	Other than 3 degrees from GSO	2	9.2	20.7	-11.06
2.2		8.2	20.7	-11.06	19.23
2.4		7.2	19.7	-12.06	19.28
2.6		6.4	20.7	-11.06	17.42
2.8		5.5	19.7	-12.06	17.61
3		4.8	18.7	-13.06	17.86
7		-4.4	7.7	-24.06	19.66
7		-4.4	7.7	-24.06	19.66
9.23		-4.4	0.7	-31.06	26.66
9.23		-4.4	0.7	-31.06	26.66
48		-22.3	0.7	-31.06	8.76
48		-12.3	0.7	-31.06	18.79
180		-12.3	0.7	-31.06	18.79