EXHIBIT 4: LINK BUDGETS

UPLINK BEAM INFORMATION				
Uplink Beam Name	North America	North America	North America	North America
Uplink Frequency (MHz)	5925 - 6425	5925 - 6425	5925 - 6425	5925 - 6425
Uplink Beam Polarization	Horizontal	Horizontal	Horizontal	Horizontal
Uplink Contour G/T (dB/K)	-1.5	-1.5	-1.5	-1.5
Uplink Contour SFD (dBW/m^2)	-85.0	-90.0	-90.0	-90.0
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	North America	North America	North America	North America
Downlink Frequency (MHz)	3700 – 4200	3700 – 4200	3700 – 4200	3700 - 4200
Downlink Beam Polarization	Vertical	Vertical	Vertical	Vertical
Downlink Contour EIRP (dBW)	36.1	36.1	36.1	36.1
ADJACENT SATELLITE 1				
Satellite 1 Orbital Location	74.85 W.L.	74.85 W.L.	74.85 W.L.	74.85 W.L.
Uplink Power Density (dBW/Hz)	-38.7	-38.7	-38.7	-38.7
Downlink EIRP Density (dBW/Hz)	-38.7	-38.7	-38.7	-38.7
ADJACENT SATELLITE 2				
Satellite 2 Orbital Location	78.85 W.L.	78.85 W.L.	78.85 W.L.	78.85 W.L.
Uplink Power Density (dBW/Hz)	-38.7	-38.7	-38.7	-38.7
Downlink EIRP Density (dBW/Hz)	-38.7	-38.7	-38.7	-38.7
CARRIER INFORMATION				
Carrier ID	36M0F3F	36M0G7W	10M3G7W	100KG7W
Information Rate (kbps)	N/A	24575	6000	64
Carrier Modulation	TV/FM	QPSK	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	4	n/a	n/a	n/a
Code Rate	N/A	1/2 - RS	1/2 - RS	1/2-RS
Occupied Bandwidth (kHz)	36000	30133	6771.1	75.4
Allocated Bandwidth (kHz)	36000	36000	10300	100
Required Minimum C/N (dB)	10.0	3.4	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	8.1	6.1	6.1	6.1
Earth Station Gain (dBi)	52.8	49.4	49.4	49.4
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	4.5	3.0	3.0	3.0
Earth Station Gain (dBi)	43.9	39.7	39.7	39.7
Earth Station G/T (dB/K)	23.6	19.2	19.2	19.2
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	77.9	72.9	64.6	44.2
Uplink Path Loss, Clear Sky (dB)	-200.2	-200.2	-200.2	-200.2
Satellite G/T (dB/K)	-1.5	-1.5	-1.5	-1.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.8	-68.3	-48.8
Uplink C/N (dB)	29.2	25.0	23.2	22.3
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	36.1	36.1	28.1	7.7
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.3	-196.3	-196.3	-196.3
Earth Station G/T (dB/K)	23.6	19.2	19.2	19.2
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.8	-68.3	-48.8
Downlink C/N (dB)	15.9	12.3	10.8	9.9
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	29.2	25.0	23.2	22.3
C/N Downlink (dB)	15.9	12.3	10.8	9.9
C/I Intermodulation (dB)	n/a	n/a	19.5	18.6
C/I Uplink Co-Channel (dB)*	27.0	27.0	27.9	27.6
C/I Downlink Co-Channel (dB)*	27.0	27.0	27.9	27.6
C/I Uplink Adjacent Satellite 1 (dB)	19.0	14.8	13.0	12.1
C/I Downlink Adjacent Satellite 1 (dB)	20.3	11.2	9.7	8.8
C/I Uplink Adjacent Satellite 2 (dB)	19.0	14.8	13.0	12.1
C/I Downlink Adjacent Satellite 2 (dB)	22.8	19.9	18.4	17.5
C/(N+I) Composite (dB)	11.5	6.6	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.5	5.6	3.9	3.0
Minimum Required C/N (dB)	-10.0	-3.4	-3.9	-3.0
Excess Link Margin (dB)	0.5	2.2	0.0	0.0
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-40.9	-51.3	-53.1	-54.0
Downlink EIRP Density At Beam Peak	-25.9	-34.7	-36.2	-37.1
Number of Carriers	1.0	1.0	2.8	311.4

***Note:** The C/I level is adjusted depending on the signal level and transponder mode of operation.

EXHIBIT 4: LINK BUDGETS (continued)

UPLINK BEAM INFORMATION				
Uplink Beam Name	North America	North America	North America	North America
Uplink Frequency (MHz)	5925 - 6425	5925 – 6425	5925 - 6425	5925 - 6425
Uplink Beam Polarization	Vertical	Vertical	Vertical	Vertical
Uplink Contour G/T (dB/K)	0.2	0.2	0.2	0.2
Uplink Contour SFD (dBW/m^2)	-86.2	-91.2	-91.2	-91.2
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	North America	North America	North America	North America
Downlink Frequency (MHz)	3700 – 4200	3700 – 4200	3700 – 4200	3700 - 4200
Downlink Beam Polarization	Horizontal	Horizontal	Horizontal	Horizontal
Downlink Contour EIRP (dBW)	36.2	36.2	36.2	36.2
ADJACENT SATELLITE 1				
Satellite 1 Orbital Location	74.85 W.L.	74.85 W.L.	74.85 W.L.	74.85 W.L.
Uplink Power Density (dBW/Hz)	-38.7	-38.7	-38.7	-38.7
Downlink EIRP Density (dBW/Hz)	-38.6	-38.6	-38.6	-38.6
ADJACENT SATELLITE 2				
Satellite 2 Orbital Location	78.85 W.L.	78.85 W.L.	78.85 W.L.	78.85 W.L.
Uplink Power Density (dBW/Hz)	-38.7	-38.7	-38.7	-38.7
Downlink EIRP Density (dBW/Hz)	-38.6	-38.6	-38.6	-38.6
CARRIER INFORMATION				
Carrier ID	36M0F3F	36M0G7W	10M3G7W	100KG7W
Information Rate (kbps)	N/A	24575	6000	64
Carrier Modulation	TV/FM	QPSK	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	4	n/a	n/a	n/a
Code Rate	N/A	1/2 - RS	1/2 - RS	1/2-RS
Occupied Bandwidth (kHz)	36000	30133	6771.1	75.4
Allocated Bandwidth (kHz)	36000	36000	10300	100
Required Minimum C/N (dB)	10.0	3.4	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	8.1	6.1	6.1	6.1
Earth Station Gain (dBi)	52.8	49.4	49.4	49.4
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	4.5	3.0	3.0	3.0
Earth Station Gain (dBi)	43.9	39.7	39.7	39.7
Earth Station G/T (dB/K)	23.6	19.2	19.2	19.2
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	76.7	71.7	63.8	43.3
Uplink Path Loss, Clear Sky (dB)	-200.2	-200.2	-200.2	-200.2
Satellite G/T (dB/K)	0.2	0.2	0.2	0.2
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.8	-68.3	-48.8
Uplink C/N (dB)	29.7	25.5	24.0	23.2
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	36.2	36.2	28.6	8.2
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.3	-196.3	-196.3	-196.3
Earth Station G/T (dB/K)	23.6	19.2	19.2	19.2
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.8	-68.3	-48.8
Downlink C/N (dB)	16.0	12.4	11.2	10.4
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	29.7	25.5	24.0	23.2
C/N Downlink (dB)	16.0	12.4	11.2	10.4
C/I Intermodulation (dB)	n/a	n/a	19.8	19.0
C/I Uplink Co-Channel (dB)*	27.0	27.0	28.3	28.0
C/I Downlink Co-Channel (dB)*	27.0	27.0	28.3	28.0
C/I Uplink Adjacent Satellite 1 (dB)	17.8	13.6	12.2	11.3
C/I Downlink Adjacent Satellite 1 (dB)	20.3	11.2	10.1	9.2
C/I Uplink Adjacent Satellite 2 (dB)	17.8	13.6	12.2	11.3
C/I Downlink Adjacent Satellite 2 (dB)	22.8	19.9	18.8	17.9
C/(N+I) Composite (dB)	11.1	6.2	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.1	5.2	3.9	3.0
Minimum Required C/N (dB)	-10.0	-3.4	-3.9	-3.0
Excess Link Margin (dB)	0.1	1.8	0.0	0.0
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-42.1	-52.5	-53.9	-54.8
Downlink EIRP Density At Beam Peak	-25.8	-34.6	-35.7	-36.6
Number of Carriers	1.0	1.0	2.6	285.4

***Note:** The C/I level is adjusted depending on the signal level and transponder mode of operation.

EXHIBIT 4: LINK BUDGETS (continued)

UPLINK BEAM INFORMATION						
Uplink Beam Name	North America	North America	North America	North America	North America	North America
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Uplink Contour G/T (dB/K)	0.3	0.3	0.3	0.3	0.3	0.3
Uplink Contour SFD (dBW/m^2)	-82.8	-78.8	-90.8	-90.8	-90.8	-90.8
Rain Rate (mm/hr)	42.0	42.0	42.0	42.0	42.0	42.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	North America	North America	North America	North America	North America	North America
Downlink Frequency (MHz)	11700 - 12200	11700 - 12200	11700 - 12200	11700 - 12200	11700 - 12200	11700 - 12200
Downlink Beam Polarization	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Downlink Contour EIRP (dBW)	45.7	45.7	45.7	45.7	45.7	45.7
Rain Rate (mm/hr)	42.0	42.0	42.0	42.0	42.0	42.0
ADJACENT SATELLITE 1						
Satellite 1 Orbital Location	74.85 W.L.	74.85 W.L.	74.85 W.L.	74.85 W.L.	74.85 W.L.	74.85 W.L.
Uplink Power Density (dBW/Hz)	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
Downlink EIRP Density (dBW/Hz)	-26.0	-26.0	-26.0	-26.0	-26.0	-26.0
ADJACENT SATELLITE 2						
Satellite 2 Orbital Location	78.85 W.L.	78.85 W.L.	78.85 W.L.	78.85 W.L.	78.85 W.L.	78.85 W.L.
Uplink Power Density (dBW/Hz)	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
Downlink EIRP Density (dBW/Hz)	-26.0	-26.0	-26.0	-26.0	-26.0	-26.0
CARRIER INFORMATION						
Carrier ID	36M0F3F	36M0G7W	10M3G7W	100KG7W	1M45G7W	400KG7W
Information Rate (kbps)	N/A	24575	6000	64	512	128
Carrier Modulation	TV/FM	OPSK	OPSK	OPSK	BPSK	BPSK
Peak to Peak Bandwidth of EDS (MHz)	4	n/a	n/a	n/a	n/a	n/a
Code Rate	N/A	1/2 - RS	1/2 - RS	1/2-RS	1/2	1/2
Occupied Bandwidth (kHz)	36000	30133	6771.1	75.4	1229	307
Assumed Allocated Bandwidth (kHz)	36000	36000	10300	100	1450	400
Required Minimum C/N (dB) – Clear Sky	10.0	3.4	3.9	3.0	3.4	3.4
Required Minimum C/N (dB) – Rain	10.0	3.4	3.5	2.8	2.7	2.7
UPLINK EARTH STATION						
Earth Station Diameter (meters)	6.1	6.1	6.1	6.1	6.1	1.8
Earth Station Gain (dBi)	56.9	56.9	56.9	56.9	56.9	46.4
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	2.4	1.2	1.8	1.8	1.8	6.1
Earth Station Gain (dBi)	47.5	41.3	44.8	44.8	44.8	55.5
Earth Station G/T (dB/K)	25.0	18.8	22.3	22.3	22.3	33.1
Earth Station Elevation Angle	20	20	20	20	20	20
LINK FADE TYPE	Clear Sky	Clear Sky	Clear Sky	Clear Sky	Clear Sky	Clear Sky
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	80.1	80.3	59.9	39.7	51.7	43.2
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Satellite G/T (dB/K)	0.3	0.3	0.3	0.3	0.3	0.3
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.8	-68.3	-48.8	-60.9	-54.9
Uplink C/N (dB)	26.0	26.9	13.0	12.4	12.3	9.7
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	45.7	44.8	36.9	16.7	28.7	20.1
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.9	-205.9	-205.9	-205.9	-205.9	-205.9
Earth Station G/T (dB/K)	25.0	18.8	22.3	22.3	22.3	33.1
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.8	-68.3	-48.8	-60.9	-54.9
Downlink C/N (dB)	17.3	10.9	13.0	12.4	12.3	20.5
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	26.0	26.9	13.0	12.4	12.3	9.7
C/N Downlink (dB)	17.3	10.9	13.0	12.4	12.3	20.5
C/I Intermodulation (dB)	n/a	n/a	17.2	16.6	16.5	13.9
C/I Uplink Co-Channel (dB)*	27.0	27.0	28.2	28.2	28.6	25.6
C/I Downlink Co-Channel (dB)*	27.0	27.0	28.2	28.2	28.6	25.6
C/I Uplink Adiacent Satellite 1 (dB)	30.5	31.5	17.6	17.0	16.8	14.3
C/I Downlink Adiacent Satellite 1 (dB)	21.3	13.8	16.8	16.1	16.0	25.0
C/I Uplink Adiacent Satellite 2 (dB)	30.5	31.5	17.6	17.0	16.8	14.3
C/I Downlink Adiacent Satellite 2 (dB)	22.9	17.2	18.9	18.2	18.1	25.6
C/(N+I) Composite (dB)	14.0	8.3	7.2	6.6	6.5	6.2
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	13.0	7.3	6.2	5.6	5.5	5.2
Minimum Required C/N (dB)	-10.0	-3.4	-3.9	3.0	-3.4	-3.4
Excess Link Margin (dB)	3.0	3.9	2.3	2.6	2.1	1.8
CARRIER POWER PLAN						
Uplink Power Density (dBW/Hz)	-42.8	-51.4	-65.3	-65.9	-66.1	-58.1
Downlink EIRP Density At Beam Peak	-16.3	-26.0	-27.4	-28.1	-28.2	-30.7
Number of Carriers	1.0	1.0	2.6	273.6	17.2	90.0

***Note:** The C/I level is adjusted depending on the signal level and transponder mode of operation.

EXHIBIT 4: LINK BUDGETS (continued)

UPLINK BEAM INFORMATION						
Uplink Beam Name	North America	North America	North America	North America	North America	North America
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Uplink Contour G/T (dB/K)	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2
Uplink Contour SFD (dBW/m^2)	-82.3	-78.3	-90.3	-90.3	-90.3	-90.3
Rain Rate (mm/hr)	42.0	42.0	42.0	42.0	42.0	42.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	North America	North America	North America	North America	North America	North America
Downlink Frequency (MHz)	11700 - 12200	11700 - 12200	11700 - 12200	11700 - 12200	11700 - 12200	11700 - 12200
Downlink Beam Polarization	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Downlink Contour EIRP (dBW)	45.7	45.7	45.7	45.7	45.7	45.7
Rain Rate (mm/hr)	42.0	42.0	42.0	42.0	42.0	42.0
ADJACENT SATELLITE 1						
Satellite 1 Orbital Location	74.85 W.L.	74.85 W.L.	74.85 W.L.	74.85 W.L.	74.85 W.L.	74.85 W.L.
Uplink Power Density (dBW/Hz)	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
Downlink EIRP Density (dBW/Hz)	-26.0	-26.0	-26.0	-26.0	-26.0	-26.0
ADJACENT SATELLITE 2						
Satellite 2 Orbital Location	78.85 W.L.	78.85 W.L.	78.85 W.L.	78.85 W.L.	78.85 W.L.	78.85 W.L.
Uplink Power Density (dBW/Hz)	-50.0	-50.0	-50.0	-50.0	-50.0	-50.0
Downlink EIRP Density (dBW/Hz)	-26.0	-26.0	-26.0	-26.0	-26.0	-26.0
CARRIER INFORMATION						
Carrier ID	36M0F3F	36M0G7W	10M3G7W	100KG7W	1M45G7W	400KG7W
Information Rate (kbps)	N/A	24575	6000	64	512	128
Carrier Modulation	TV/FM	QPSK	QPSK	QPSK	BPSK	BPSK
Peak to Peak Bandwidth of EDS (MHz)	4	n/a	n/a	n/a	n/a	n/a
Code Rate	N/A	1/2 - RS	1/2 - RS	1/2-RS	1/2	1/2
Occupied Bandwidth (kHz)	36000	30133	6771.1	75.4	1229	307
Assumed Allocated Bandwidth (kHz)	36000	36000	10300	100	1450	400
Required Minimum C/N (dB) – Clear Sky	10.0	3.4	3.9	3.0	3.4	3.4
Required Minimum C/N (dB) – Rain	10.0	3.4	3.5	2.8	2.7	2.7
UPLINK EARTH STATION						
Earth Station Diameter (meters)	6.1	6.1	6.1	6.1	6.1	1.8
Earth Station Gain (dBi)	56.9	56.9	56.9	56.9	56.9	46.4
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	2.4	1.2	1.8	1.8	1.8	6.1
Earth Station Gain (dBi)	47.5	41.3	44.8	44.8	44.8	55.5
Earth Station G/T (dB/K)	25.0	18.8	22.3	22.3	22.3	33.1
Earth Station Elevation Angle	20	20	20	20	20	20
RAIN BAND TYPE	Clear Sky	Clear Sky	Clear Sky	Clear Sky	Clear Sky	Clear Sky
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	80.6	80.9	60.5	40.3	52.3	43.8
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Satellite G/T (dB/K)	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.8	-68.3	-48.8	-60.9	-54.9
Uplink C/N (dB)	25.0	26.0	12.1	11.4	11.3	8.8
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	45.7	44.8	36.9	16.8	28.8	20.2
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.9	-205.9	-205.9	-205.9	-205.9	-205.9
Earth Station G/T (dB/K)	25.0	18.8	22.3	22.3	22.3	33.1
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.8	-68.3	-48.8	-60.9	-54.9
Downlink C/N (dB)	17.3	11.0	13.1	12.4	12.3	20.6
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	25.0	26.0	12.1	11.4	11.3	8.8
C/N Downlink (dB)	17.3	11.0	13.1	12.4	12.3	20.6
C/I Intermodulation (dB)	n/a	n/a	17.3	16.6	16.5	14.0
C/I Uplink Co-Channel (dB)*	27.0	27.0	28.3	28.2	28.6	25.7
C/I Downlink Co-Channel (dB)*	27.0	27.0	28.3	28.2	28.6	25.7
C/I Uplink Adjacent Satellite 1 (dB)	31.0	32.1	18.1	17.5	17.4	14.9
C/I Downlink Adjacent Satellite 1 (dB)	21.3	13.9	16.8	16.2	16.1	25.1
C/I Uplink Adjacent Satellite 2 (dB)	31.0	32.1	18.1	17.5	17.4	14.9
C/I Downlink Adjacent Satellite 2 (dB)	22.9	17.3	18.9	18.3	18.2	25.7
C/(N+I) Composite (dB)	14.0	8.3	7.0	6.4	6.3	5.9
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	13.0	7.3	6.0	5.4	5.3	4.9
Minimum Required C/N (dB)	-10.0	-3.4	-3.9	3.0	-3.4	-3.4
Excess Link Margin (dB)	3.0	3.9	2.1	2.4	1.9	1.5
SATELLITE DENSITY LEVELS						
Uplink Power Density (dBW/Hz)	-42.3	-50.8	-64.8	-65.4	-65.5	-57.5
Downlink EIRP Density At Beam Peak	-16.3	-26.0	-27.4	-28.0	-28.1	-30.6
Number of Carriers	1.0	1.0	2.6	270.9	17.1	90.0

***Note:** The C/I level is adjusted depending on the signal level and transponder mode of operation.