

EXHIBIT 5: Intelsat 602 C-Band Link Budgets
(Global Uplink / Global Downlink - 36 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Global	Global	Global	Global
Uplink Frequency (MHz)	6262 - 6425	6262 - 6425	6262 - 6425	6262 - 6425
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-13.3	-13.3	-13.3	-13.3
Uplink SED (dBW/m ²)	-81.7	-81.7	-81.7	-81.7
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Global	Global	Global	Global
Downlink Frequency (MHz)	4037 - 4200	4037 - 4200	4037 - 4200	4037 - 4200
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	25.4	25.4	25.4	25.4
ADVANTAGES AT EARTH STATION				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
ADVANTAGES AT SATELLITE				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0F3F	30M6G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	23530	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	30638	6771.1	75.4
Allocated Bandwidth (kHz)	36000	36000	10300	100
Minimum C/N (dB)	10	3.1	3.9	3.0
EARTH STATION CHARACTERISTICS				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dBi)	56.6	56.6	51.2	51.2
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION CHARACTERISTICS				
Earth Station Diameter (meters)	13.0	6.1	6.1	6.1
Earth Station Gain (dBi)	53.9	46.9	46.9	46.9
Earth Station G/T (dB/K)	33.4	26.6	26.6	26.6
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	81.2	81.2	72.3	51.9
Uplink Path Loss, Clear Sky (dB)	-200.4	-200.4	-200.4	-200.4
Satellite G/T (dB/K)	-13.3	-13.3	-13.3	-13.3
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.9	-68.3	-48.8
Uplink C/N (dB)	20.5	21.2	18.9	18.0
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	25.4	25.4	18.0	-2.4
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.7	-196.7	-196.7	-196.7
Earth Station G/T (dB/K)	33.4	26.6	26.6	26.6
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-74.9	-68.3	-48.8
Downlink C/N (dB)	14.6	8.5	7.7	6.8
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	20.5	21.2	18.9	18.0
C/N Downlink (dB)	14.6	8.5	7.7	6.8
C/I Intermodulation (dB)	n/a	n/a	20.6	19.7
C/I Uplink Co-Channel (dB)*	24.0	24.0	25.6	25.3
C/I Downlink Co-Channel (dB)*	24.0	24.0	25.6	25.3
C/I Uplink Adjacent Satellite 1 (dB)	28.6	29.3	27.0	26.1
C/I Downlink Adjacent Satellite 1 (dB)	18.9	12.1	11.3	10.4
C/I Uplink Adjacent Satellite 2 (dB)	28.6	29.3	27.0	26.1
C/I Downlink Adjacent Satellite 2 (dB)	19.7	13.8	13.0	12.1
C/(N+I) Composite (dB)	11.1	5.8	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.1	4.8	3.9	3.0
Minimum Required C/N (dB)	-10.0	-3.1	-3.9	-3.0
Excess Link Margin (dB)	0.1	1.7	0.0	0.0
Number of Carriers	1	1	2.4	269.3
Carrier Density Levels				
Uplink Power Density (dBW/Hz)	-41.4	-50.3	-47.2	-48.1
Downlink EIRP Density At Beam Peak	-36.6	-45.5	-46.3	-47.2

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Global Uplink / Global Downlink - 41 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Global	Global	Global	Global
Uplink Frequency (MHz)	6262 - 6425	6262 - 6425	6262 - 6425	6262 - 6425
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-13.3	-13.3	-13.3	-13.3
Uplink SED (dBW/m ²)	-81.7	-81.7	-81.7	-81.7
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Global	Global	Global	Global
Downlink Frequency (MHz)	4037 - 4200	4037 - 4200	4037 - 4200	4037 - 4200
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	25.4	25.4	25.4	25.4
ADJACENT SATELLITE 1				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-45.4	-45.4	-45.4	-45.4
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITE 2				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-45.4	-45.4	-45.4	-45.4
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0E3F	30M1G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	36863	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	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	30133	6771.1	75.4
Allocated Bandwidth (kHz)	36000	36000	10300	100
Minimum C/N (dB)	10	6.1	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dBi)	56.6	56.6	51.2	51.2
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	11.0	6.1	6.1	6.1
Earth Station Gain (dBi)	52.3	46.9	46.9	46.9
Earth Station G/T (dB/K)	31.4	26.6	26.6	26.6
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	81.2	81.2	70.6	50.1
Uplink Path Loss, Clear Skv (dB)	-200.4	-200.4	-200.4	-200.4
Satellite G/T (dB/K)	-13.3	-13.3	-13.3	-13.3
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)	20.5	21.3	17.1	16.2
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	25.4	25.4	16.3	-4.2
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Skv (dB)	-196.7	-196.7	-196.7	-196.7
Earth Station G/T (dB/K)	31.4	26.6	26.6	26.6
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)	12.6	8.6	6.0	5.1
COMPOSITE UPLINK PERFORMANCE				
C/N Uplink (dB)	20.5	21.3	17.1	16.2
C/N Downlink (dB)	12.6	8.6	6.0	5.1
C/I Intermodulation (dB)	n/a	n/a	19.4	18.5
C/I Uplink Co-Channel (dB)*	24.6	24.6	24.4	24.1
C/I Downlink Co-Channel (dB)*	24.6	24.6	24.4	24.1
C/I Uplink Adjacent Satellite 1 (dB)	28.6	29.4	25.3	24.4
C/I Downlink Adjacent Satellite 1 (dB)	25.5	20.1	17.8	16.9
C/I Uplink Adjacent Satellite 2 (dB)	28.6	29.4	25.3	24.4
C/I Downlink Adjacent Satellite 2 (dB)	26.5	22.2	19.6	18.7
C/(N+I) Composite (dB)	11.1	7.7	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.1	6.7	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.1	0.6	0.0	0.0
Number of Carriers	1	1	3.7	403.2
CARRIER DENSITY/VELOCITY				
Uplink Power Density (dBW/Hz)	-41.4	-50.2	-49.0	-49.9
Downlink EIRP Density At Beam Peak	-36.6	-45.4	-48.0	-48.9

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Hemi Uplink / Hemi Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Hemi	Hemi	Hemi	Hemi
Uplink Frequency (MHz)	5854 - 5926	5854 - 5926	5854 - 5926	5854 - 5926
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Uplink SFD (dBW/m ²)	-82.7	-82.7	-82.7	-82.7
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Hemi	Hemi	Hemi	Hemi
Downlink Frequency (MHz)	3629 - 3701	3629 - 3701	3629 - 3701	3629 - 3701
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	31.6	31.6	31.6	31.6
ADJACENT SATELLITES				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-41.1	-41.1	-41.1	-41.1
Downlink Polarization Advantage (dB)	0	0	0	0
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-41.1	-41.1	-41.1	-41.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0F3F	60M3G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	73726	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	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	60266	6771.1	75.4
Allocated Bandwidth (kHz)	36000	72000	10300	100
Minimum C/N ₀ (dB)	10	6.1	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dBi)	56.3	56.3	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	11.0	4.5	4.5	4.5
Earth Station Gain (dBi)	51.7	43.7	43.7	43.7
Earth Station G/T (dB/K)	30.8	23.4	23.4	23.4
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	77.2	80.2	66.8	46.4
Uplink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
Satellite G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-77.8	-68.3	-48.8
Uplink C/N (dB)	22.6	23.3	19.5	18.6
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	27.2	31.6	19.7	-0.7
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Earth Station G/T (dB/K)	30.8	23.4	23.4	23.4
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-77.8	-68.3	-48.8
Downlink C/N (dB)	14.4	9.2	6.8	5.9
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	22.6	23.3	19.5	18.6
C/N Downlink (dB)	14.4	9.2	6.8	5.9
C/I Intermodulation (dB)	n/a	n/a	19.1	18.2
C/I Uplink Co-Channel (dB)*	24.0	24.0	24.1	23.8
C/I Downlink Co-Channel (dB)*	24.0	24.0	24.1	23.8
C/I Uplink Adjacent Satellite 1 (dB)	24.6	25.4	21.5	20.6
C/I Downlink Adjacent Satellite 1 (dB)	22.4	15.8	13.4	12.5
C/I Uplink Adjacent Satellite 2 (dB)	24.6	25.4	21.5	20.6
C/I Downlink Adjacent Satellite 2 (dB)	23.4	18.3	15.9	15.0
C/(N+I) Composite (dB)	11.7	7.4	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.7	6.4	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.7	0.3	0.0	0.0
Number of Carriers	2	1	6.9	7.0
Carrier Density Levels				
Uplink Power Density (dBW/Hz)	-45.1	-53.9	-52.3	-53.2
Downlink EIRP Density At Beam Peak	-34.8	-42.2	-44.6	-45.5

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Hemi Uplink / Hemi Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Hemi	Hemi	Hemi	Hemi
Uplink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Uplink SFD (dBW/m ²)	-82.7	-82.7	-82.7	-82.7
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Hemi	Hemi	Hemi	Hemi
Downlink Frequency (MHz)	3709 - 4031	3709 - 4031	3709 - 4031	3709 - 4031
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	31.6	31.6	31.6	31.6
ADJACENT SATELLITES				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0E3F	60M3G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	73726	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	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	60266	6771.1	75.4
Allocated Bandwidth (kHz)	36000	72000	10300	100
Minimum C/N ₀ (dB)	10	6.1	3.9	3.0
UPLINK ANTENNA GEOMETRY				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dBi)	56.3	56.3	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK ANTENNA GEOMETRY				
Earth Station Diameter (meters)	11.0	4.5	4.5	4.5
Earth Station Gain (dBi)	51.7	43.7	43.7	43.7
Earth Station G/T (dB/K)	30.8	23.4	23.4	23.4
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	77.2	80.2	67.1	46.6
Uplink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
Satellite G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-77.8	-68.3	-48.8
Uplink C/N (dB)	22.6	23.3	19.7	18.8
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	27.2	31.6	20.0	-0.5
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Earth Station G/T (dB/K)	30.8	23.4	23.4	23.4
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-77.8	-68.3	-48.8
Downlink C/N (dB)	14.4	9.2	7.0	6.2
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	22.6	23.3	19.7	18.8
C/N Downlink (dB)	14.4	9.2	7.0	6.2
C/I Intermodulation (dB)	n/a	n/a	19.3	18.4
C/I Uplink Co-Channel (dB)*	24.0	24.0	24.3	24.0
C/I Downlink Co-Channel (dB)*	24.0	24.0	24.3	24.0
C/I Uplink Adjacent Satellite 1 (dB)	24.6	25.4	21.8	20.9
C/I Downlink Adjacent Satellite 1 (dB)	21.4	14.8	12.6	11.7
C/I Uplink Adjacent Satellite 2 (dB)	24.6	25.4	21.8	20.9
C/I Downlink Adjacent Satellite 2 (dB)	22.4	17.3	15.1	14.2
C/(N+I) Composite (dB)	11.6	7.2	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.6	6.2	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.6	0.1	0.0	0.0
Number of Carriers	2	1	6.5	717.3
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-45.1	-53.9	-52.1	-53.0
Downlink EIRP Density At Beam Peak	-34.8	-42.2	-44.3	-45.2

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Hemi Uplink / Hemi Downlink - 36 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Hemi	Hemi	Hemi	Hemi
Uplink Frequency (MHz)	6262 - 6298	6262 - 6298	6262 - 6298	6262 - 6298
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Uplink SED (dBW/m ²)	-82.7	-82.7	-82.7	-82.7
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Hemi	Hemi	Hemi	Hemi
Downlink Frequency (MHz)	4037 - 4073	4037 - 4073	4037 - 4073	4037 - 4073
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	31.6	31.6	31.6	31.6
ADVANTAGE POINTS AT THE EARTH				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
ADVANTAGE POINTS AT THE EARTH				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0F3F	30M1G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	36863	6000	64
Carrier Modulation	TV/FM	OPSK	OPSK	OPSK
Peak to Peak Bandwidth of EDS (MHz)	4	n/a	n/a	n/a
Code Rate	n/a	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	30133	6771.1	75.4
Allocated Bandwidth (kHz)	36000	36000	10300	100
Minimum C/N (dB)	10	6.1	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dBi)	56.3	56.3	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	7.0	4.5	3.5	3.5
Earth Station Gain (dBi)	47.3	43.7	40.9	40.9
Earth Station G/T (dB/K)	26.4	23.4	20.8	20.8
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	80.2	80.2	71.5	51.1
Uplink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
Satellite G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
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)	25.6	26.3	24.1	23.2
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	31.6	31.6	24.4	4.0
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Earth Station G/T (dB/K)	26.4	23.4	20.8	20.8
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)	14.4	12.2	8.9	8.0
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	25.6	26.3	24.1	23.2
C/N Downlink (dB)	14.4	12.2	8.9	8.0
C/I Intermodulation (dB)	n/a	n/a	20.8	19.9
C/I Uplink Co-Channel (dB)*	24.0	24.0	25.7	25.5
C/I Downlink Co-Channel (dB)*	24.0	24.0	25.7	25.5
C/I Uplink Adjacent Satellite 1 (dB)	27.6	28.4	26.2	25.3
C/I Downlink Adjacent Satellite 1 (dB)	18.1	14.8	8.7	7.8
C/I Uplink Adjacent Satellite 2 (dB)	27.6	28.4	26.2	25.3
C/I Downlink Adjacent Satellite 2 (dB)	19.7	17.3	14.1	13.2
C/(N+I) Composite (dB)	11.2	9.0	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.2	8.0	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.2	1.9	0.0	0.0
Number of Carriers	1	1	2.3	257.6
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-42.1	-50.9	-47.7	-48.5
Downlink EIRP Density At Beam Peak	-30.4	-39.2	-39.9	-40.8

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Hemi Uplink / Zone Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Hemi	Hemi	Hemi	Hemi
Uplink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Uplink SPD (dBW/m ²)	-82.7	-82.7	-82.7	-82.7
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Zone	Zone	Zone	Zone
Downlink Frequency (MHz)	3709 - 4031	3709 - 4031	3709 - 4031	3709 - 4031
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	32.8	32.8	32.8	32.8
ADJACENT SATELLITE 1				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITE 2				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0E3F	60M3G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	73726	6000	64
Carrier Modulation	TV/FM	OPSK	OPSK	OPSK
Peak to Peak Bandwidth of EDS (MHz)	4	n/a	n/a	n/a
Code Rate	n/a	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	60266	6771.1	75.4
Allocated Bandwidth (kHz)	36000	72000	10300	100
Minimum C/N (dB)	10	6.1	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	9.0	13.0	7.0	7.0
Earth Station Gain (dBi)	53.3	56.3	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	9.2	4.5	3.7	3.5
Earth Station Gain (dBi)	50.1	43.7	41.0	40.9
Earth Station G/T (dB/K)	29.2	23.4	20.7	20.8
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	77.2	80.2	68.5	48.5
Uplink Path Loss, Clear Skv (dB)	-200.1	-200.1	-200.1	-200.1
Satellite G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-77.8	-68.3	-48.8
Uplink C/N (dB)	22.6	23.3	21.1	20.7
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	28.4	32.8	22.6	2.6
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Skv (dB)	-196.1	-196.1	-196.1	-196.1
Earth Station G/T (dB/K)	29.2	23.4	20.7	20.8
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-77.8	-68.3	-48.8
Downlink C/N (dB)	14.0	10.4	7.0	6.6
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	22.6	23.3	21.1	20.7
C/N Downlink (dB)	14.0	10.4	7.0	6.6
C/I Intermodulation (dB)	n/a	n/a	20.7	20.3
C/I Uplink Co-Channel (dB)*	24.0	24.0	25.7	25.9
C/I Downlink Co-Channel (dB)*	24.0	24.0	25.7	25.9
C/I Uplink Adjacent Satellite 1 (dB)	24.6	25.4	23.2	22.7
C/I Downlink Adjacent Satellite 1 (dB)	20.9	16.0	12.0	9.4
C/I Uplink Adjacent Satellite 2 (dB)	24.6	25.4	23.2	22.7
C/I Downlink Adjacent Satellite 2 (dB)	22.1	18.5	15.3	14.8
C/(N+I) Composite (dB)	11.3	8.3	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.3	7.3	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.3	1.1	0.0	0.0
Number of Carriers	2	1	4.7	466.3
CARRIER DENSITY LEVEL				
Uplink Power Density (dBW/Hz)	-42.1	-53.9	-50.7	-51.1
Downlink EIRP Density At Beam Peak	-33.6	-41.0	-41.7	-42.2

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Hemi Uplink / Zone Downlink - 36 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Hemi	Hemi	Hemi	Hemi
Uplink Frequency (MHz)	6262 - 6298	6262 - 6298	6262 - 6298	6262 - 6298
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Uplink SED (dBW/m ²)	-82.7	-82.7	-82.7	-82.7
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Zone	Zone	Zone	Zone
Downlink Frequency (MHz)	4037 - 4073	4037 - 4073	4037 - 4073	4037 - 4073
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	32.8	32.8	32.8	32.8
ADVANTAGE PARAMETERS				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
ADVANTAGE PARAMETERS				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0F3F	30M1G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	36863	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	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	30133	6771.1	75.4
Allocated Bandwidth (kHz)	36000	36000	10300	100
Minimum C/N (dB)	10	6.1	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dB)	56.3	56.3	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	6.1	3.7	3.5	3.5
Earth Station Gain (dB)	46.3	41.0	40.9	40.9
Earth Station G/T (dB/K)	26.0	20.7	20.8	20.8
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	80.2	80.2	70.4	50.0
Uplink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
Satellite G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
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)	25.6	26.3	23.0	22.1
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	32.8	32.8	24.5	4.1
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Earth Station G/T (dB/K)	26.0	20.7	20.8	20.8
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)	15.2	10.7	9.0	8.1
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	25.6	26.3	23.0	22.1
C/N Downlink (dB)	15.2	10.7	9.0	8.1
C/I Intermodulation (dB)	n/a	n/a	19.7	18.8
C/I Uplink Co-Channel (dB)*	24.0	24.0	24.6	24.3
C/I Downlink Co-Channel (dB)*	24.0	24.0	24.6	24.3
C/I Uplink Adjacent Satellite 1 (dB)	27.6	28.4	25.1	24.2
C/I Downlink Adjacent Satellite 1 (dB)	18.1	12.7	8.8	7.9
C/I Uplink Adjacent Satellite 2 (dB)	27.6	28.4	25.1	24.2
C/I Downlink Adjacent Satellite 2 (dB)	20.0	16.0	14.2	13.3
C/(N+I) Composite (dB)	11.6	7.5	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.6	6.5	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.6	0.4	0.0	0.0
Number of Carriers	1	1	3.0	332.5
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-42.1	-50.9	-48.8	-49.7
Downlink EIRP Density At Beam Peak	-29.2	-38.0	-39.8	-40.7

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Zone Uplink / Zone Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Unlink Beam Name	Zone	Zone	Zone	Zone
Unlink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Unlink Beam Polarization	Circular	Circular	Circular	Circular
Unlink Relative Contour Level (dB)	-4	-4	-4	-4
Unlink Contour G/T (dB/K)	0.2	0.2	0.2	0.2
Unlink SFD (dBW/m ²)	-83.4	-83.4	-83.4	-83.4
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Zone	Zone	Zone	Zone
Downlink Frequency (MHz)	3709 - 4031	3709 - 4031	3709 - 4031	3709 - 4031
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	32.8	32.8	32.8	32.8
ADJACENT SATELLITES				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Unlink Power Density (dBW/Hz)	-45	-45	-45	-45
Unlink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Unlink Power Density (dBW/Hz)	-45	-45	-45	-45
Unlink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0F3F	60M3G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	73726	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	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	60266	6771.1	75.4
Allocated Bandwidth (kHz)	36000	72000	10300	100
Minimum C/N (dB)	10	6.1	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dBi)	56.3	56.3	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	9.2	4.5	3.7	3.5
Earth Station Gain (dBi)	50.1	43.7	41.0	40.9
Earth Station G/T (dB/K)	29.2	23.4	20.7	20.8
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Unlink Earth Station EIRP (dBW)	76.5	79.5	67.7	47.8
Unlink Path Loss, Clear Skv (dB)	-200.1	-200.1	-200.1	-200.1
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	-77.8	-68.3	-48.8
Unlink C/N (dB)	29.7	30.4	28.1	27.7
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	28.4	32.8	22.5	2.6
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Skv (dB)	-196.1	-196.1	-196.1	-196.1
Earth Station G/T (dB/K)	29.2	23.4	20.7	20.8
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-77.8	-68.3	-48.8
Downlink C/N (dB)	14.0	10.4	6.9	6.5
COMPOSITE LINK PERFORMANCE				
C/N Unlink (dB)	29.7	30.4	28.1	27.7
C/N Downlink (dB)	14.0	10.4	6.9	6.5
C/I Intermodulation (dB)	n/a	n/a	20.7	20.3
C/I Unlink Co-Channel (dB)*	24.0	24.0	25.7	25.8
C/I Downlink Co-Channel (dB)*	24.0	24.0	25.7	25.8
C/I Unlink Adjacent Satellite 1 (dB)	23.9	24.7	22.4	22.0
C/I Downlink Adjacent Satellite 1 (dB)	20.9	16.0	11.9	9.4
C/I Unlink Adjacent Satellite 2 (dB)	23.9	24.7	22.4	22.0
C/I Downlink Adjacent Satellite 2 (dB)	22.1	18.5	15.2	14.8
C/(N+I) Composite (dB)	11.5	8.3	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.5	7.3	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.5	1.2	0.0	0.0
Number of Carriers	2	1	4.8	472.3
Carrier Density Level				
Unlink Power Density (dBW/Hz)	-45.8	-54.6	-51.5	-51.1
Downlink EIRP Density At Beam Peak	-33.6	-41.0	-41.8	-42.2

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Zone Uplink / Zone Downlink - 36 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Zone	Zone	Zone	Zone
Uplink Frequency (MHz)	6262 - 6298	6262 - 6298	6262 - 6298	6262 - 6298
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	0.2	0.2	0.2	0.2
Uplink SED (dBW/m ²)	-83.4	-83.4	-83.4	-83.4
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Zone	Zone	Zone	Zone
Downlink Frequency (MHz)	4037 - 4073	4037 - 4073	4037 - 4073	4037 - 4073
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	32.8	32.8	32.8	32.8
ADJACENT SATELLITE 1				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITE 2				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0F3F	30M1G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	36863	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	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	30133	6771.1	75.4
Allocated Bandwidth (kHz)	36000	36000	10300	100
Minimum C/N (dB)	10	6.1	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dBi)	56.3	56.3	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	6.1	3.7	3.5	3.5
Earth Station Gain (dBi)	46.3	41.0	40.9	40.9
Earth Station G/T (dB/K)	26.0	20.7	20.8	20.8
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	79.5	79.5	69.7	49.2
Uplink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
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)	32.7	33.4	30.1	29.2
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	32.8	32.8	24.5	4.0
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Earth Station G/T (dB/K)	26.0	20.7	20.8	20.8
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)	15.2	10.7	8.9	8.0
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	32.7	33.4	30.1	29.2
C/N Downlink (dB)	15.2	10.7	8.9	8.0
C/I Intermodulation (dB)	n/a	n/a	19.6	18.7
C/I Uplink Co-Channel (dB)*	24.0	24.0	24.6	24.3
C/I Downlink Co-Channel (dB)*	24.0	24.0	24.6	24.3
C/I Uplink Adjacent Satellite 1 (dB)	26.9	27.7	24.4	23.5
C/I Downlink Adjacent Satellite 1 (dB)	18.1	12.7	8.8	7.9
C/I Uplink Adjacent Satellite 2 (dB)	26.9	27.7	24.4	23.5
C/I Downlink Adjacent Satellite 2 (dB)	20.0	16.0	14.1	13.2
C/(N+I) Composite (dB)	11.7	7.6	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.7	6.6	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.7	0.5	0.0	0.0
Number of Carriers	1	1	3.0	335.6
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-42.8	-51.6	-49.5	-50.4
Downlink EIRP Density At Beam Peak	-29.2	-38.0	-39.8	-40.7

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Zone Uplink / Hemi Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Unlink Beam Name	Zone	Zone	Zone	Zone
Unlink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Unlink Beam Polarization	Circular	Circular	Circular	Circular
Unlink Relative Contour Level (dB)	-4	-4	-4	-4
Unlink Contour G/T (dB/K)	0.2	0.2	0.2	0.2
Unlink SED (dBW/m ²)	-83.4	-83.4	-83.4	-83.4
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Hemi	Hemi	Hemi	Hemi
Downlink Frequency (MHz)	3709 - 4031	3709 - 4031	3709 - 4031	3709 - 4031
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	31.6	31.6	31.6	31.6
ADJACENT SATELLITE				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Unlink Power Density (dBW/Hz)	-45	-45	-45	-45
Unlink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITE				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Unlink Power Density (dBW/Hz)	-45	-45	-45	-45
Unlink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0F3F	60M3G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	73726	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	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	60266	6771.1	75.4
Allocated Bandwidth (kHz)	36000	72000	10300	100
Minimum C/N ₀ (dB)	10	6.1	3.9	3.0
UPLINK EARTH STATION				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dBi)	56.3	56.3	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	11.0	4.5	4.5	4.5
Earth Station Gain (dBi)	51.7	43.7	43.7	43.7
Earth Station G/T (dB/K)	30.8	23.4	23.4	23.4
Earth Station Elevation Angle	20	20	20	20
UPLINK PERFORMANCE				
Unlink Earth Station EIRP (dBW)	76.5	79.5	66.3	45.9
Unlink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
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	-77.8	-68.3	-48.8
Unlink C/N (dB)	29.7	30.4	26.7	25.8
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	27.2	31.6	19.9	-0.5
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Earth Station G/T (dB/K)	30.8	23.4	23.4	23.4
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-77.8	-68.3	-48.8
Downlink C/N (dB)	14.4	9.2	7.0	6.1
COMPOSITE LINK PERFORMANCE				
C/N Unlink (dB)	29.7	30.4	26.7	25.8
C/N Downlink (dB)	14.4	9.2	7.0	6.1
C/I Intermodulation (dB)	n/a	n/a	19.3	18.4
C/I Unlink Co-Channel (dB)*	24.0	24.0	24.2	23.9
C/I Downlink Co-Channel (dB)*	24.0	24.0	24.2	23.9
C/I Unlink Adjacent Satellite 1 (dB)	23.9	24.7	21.0	20.1
C/I Downlink Adjacent Satellite 1 (dB)	21.4	14.8	12.5	11.6
C/I Unlink Adjacent Satellite 2 (dB)	23.9	24.7	21.0	20.1
C/I Downlink Adjacent Satellite 2 (dB)	22.4	17.3	15.0	14.1
C/(N+I) Composite (dB)	11.8	7.2	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.8	6.2	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.8	0.1	0.0	0.0
Number of Carriers	2	1	6.6	720
CARRIER DENSITY LEVEL				
Unlink Power Density (dBW/Hz)	-45.8	-54.6	-52.9	-53.8
Downlink EIRP Density At Beam Peak	-34.8	-42.2	-44.4	-45.3

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

EXHIBIT 5: Intelsat 602 C-Band Link Budgets (continued)
(Zone Uplink / Hemi Downlink - 36 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Unlink Beam Name	Zone	Zone	Zone	Zone
Unlink Frequency (MHz)	6262 - 6298	6262 - 6298	6262 - 6298	6262 - 6298
Unlink Beam Polarization	Circular	Circular	Circular	Circular
Unlink Relative Contour Level (dB)	-4	-4	-4	-4
Unlink Contour G/T (dB/K)	0.2	0.2	0.2	0.2
Unlink SED (dBW/m ²)	-83.4	-83.4	-83.4	-83.4
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Hemi	Hemi	Hemi	Hemi
Downlink Frequency (MHz)	4037 - 4073	4037 - 4073	4037 - 4073	4037 - 4073
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	31.6	31.6	31.6	31.6
SATELLITE INFORMATION				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Unlink Power Density (dBW/Hz)	-45	-45	-45	-45
Unlink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Unlink Power Density (dBW/Hz)	-45	-45	-45	-45
Unlink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-37.1	-37.1	-37.1	-37.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0F3F	30M1G7W	6M77G7W	75K4G7W
Information Rate (kbps)	n/a	36863	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	3/4-RS	1/2-RS	1/2-RS
Occupied Bandwidth (kHz)	36000	30133	6771.1	75.4
Allocated Bandwidth (kHz)	36000	36000	10300	100
Minimum C/N (dB)	10	6.1	3.9	3.0
UPPER EARTH STATION				
Earth Station Diameter (meters)	13.0	13.0	7.0	7.0
Earth Station Gain (dBi)	56.3	56.3	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
LOWER EARTH STATION				
Earth Station Diameter (meters)	7.0	4.5	3.5	3.5
Earth Station Gain (dBi)	47.3	43.7	40.9	40.9
Earth Station G/T (dB/K)	26.4	23.4	20.8	20.8
Earth Station Elevation Angle	20	20	20	20
UPPER LINK PERFORMANCE				
Unlink Earth Station EIRP (dBW)	79.5	79.5	70.8	50.4
Unlink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
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
Unlink C/N (dB)	32.7	33.4	31.2	30.3
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	31.6	31.6	24.4	4.0
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Earth Station G/T (dB/K)	26.4	23.4	20.8	20.8
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)	14.4	12.2	8.8	7.9
COMPOSITE LINK PERFORMANCE				
C/N Unlink (dB)	32.7	33.4	31.2	30.3
C/N Downlink (dB)	14.4	12.2	8.8	7.9
C/I Intermodulation (dB)	n/a	n/a	20.7	19.8
C/I Unlink Co-Channel (dB)*	24.0	24.0	25.7	25.4
C/I Downlink Co-Channel (dB)*	24.0	24.0	25.7	25.4
C/I Unlink Adjacent Satellite 1 (dB)	26.9	27.7	25.5	24.6
C/I Downlink Adjacent Satellite 1 (dB)	18.1	14.8	8.7	7.8
C/I Unlink Adjacent Satellite 2 (dB)	26.9	27.7	25.5	24.6
C/I Downlink Adjacent Satellite 2 (dB)	19.7	17.3	14.1	13.2
C/(N+I) Composite (dB)	11.3	9.1	4.9	4.0
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	10.3	8.1	3.9	3.0
Minimum Required C/N (dB)	-10.0	-6.1	-3.9	-3.0
Excess Link Margin (dB)	0.3	2.0	0.0	0.0
Number of Carriers	1	1	2.4	259.4
CARRIER DENSITY				
Unlink Power Density (dBW/Hz)	-42.8	-51.6	-48.4	-49.3
Downlink EIRP Density At Beam Peak	-30.4	-39.2	-39.9	-40.8

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

EXHIBIT 5: Intelsat 602 Ku-Band Link Budgets (continued) (Spot Uplink / Spot Downlink - 77 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION						
Uplink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Uplink SED (dBW/m ²)	-73.2	-73.2	-73.2	-84.1	-84.1	-84.1
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
ADVANCED SATELLITE DATA						
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
ADVANCED SATELLITE DATA						
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
CARRIER INFORMATION						
Carrier ID	36M0E3F	36M0E3F	36M0E3F	65M5G7W	65M5G7W	65M5G7W
Carrier Modulation	TV/FM	TV/FM	TV/FM	QPSK	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	4	4	4	n/a	n/a	n/a
Information Rate (kbps)	n/a	n/a	n/a	50328	50328	50328
Code Rate	n/a	n/a	n/a	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	36000	36000	36000	65530	65530	65530
Allocated Bandwidth (kHz)	36000	36000	36000	77000	77000	77000
Minimum C/N, Clear Sky (dB)	10	10	10	3.1	3.1	3.1
Minimum C/N, Rain (dB)	10	10	10	3.1	3.1	3.1
EARTH STATION INFORMATION						
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	58.1	58.1	58.1	58.1	58.1	58.1
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	9.0	9.0	9.0	1.8	1.8	1.8
Earth Station Gain (dBi)	58.5	58.5	58.5	44.3	44.3	44.3
Earth Station G/T (dB/K)	36.1	36.1	32.9	21.8	21.8	19.3
Earth Station Elevation Angle	20	20	20	20	20	20
LINK BUDGET						
Uplink Fade	Clear Sky	Uplink Fade	Downlink Fade	Clear Sky	Uplink Fade	Downlink Fade
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	78.7	78.7	78.7	78.2	78.2	78.2
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-5.0	0.0	0.0	-7.1	0.0
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-75.6	-78.2	-78.2	-78.2
Uplink C/N (dB)	28.8	23.8	28.8	25.7	18.6	25.7
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	37.3	32.4	37.3	44.2	40.4	44.2
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	0.0	-5.2	0.0	0.0	-3.2
Earth Station G/T (dB/K)	36.1	36.1	32.9	21.8	21.8	19.3
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-75.6	-78.2	-78.2	-78.2
Downlink C/N (dB)	20.5	15.6	12.0	10.5	6.7	4.7
COMPOSITE LINK PERFORMANCE						
C/N Unlink (dB)	28.8	23.8	28.8	25.7	18.6	25.7
C/N Downlink (dB)	20.5	15.6	12.0	10.5	6.7	4.7
C/I Intermodulation (dB)	n/a	n/a	n/a	n/a	n/a	n/a
C/I Unlink Co-Channel (dB)*	24.3	19.3	24.3	23.4	16.3	23.4
C/I Downlink Co-Channel (dB)*	24.3	19.4	24.3	23.4	19.6	23.4
C/I Unlink Adjacent Satellite 1 (dB)	26.1	21.2	26.1	23.0	15.9	23.0
C/I Downlink Adjacent Satellite 1 (dB)	27.9	23.0	27.9	17.0	13.3	17.0
C/I Unlink Adjacent Satellite 2 (dB)	26.1	21.2	26.1	23.0	15.9	23.0
C/I Downlink Adjacent Satellite 2 (dB)	28.3	23.4	28.3	19.2	15.4	19.2
C/(N+I) Composite (dB)	15.9	11.0	11.0	8.4	4.1	4.1
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	14.9	10.0	10.0	7.4	3.1	3.1
Minimum Required C/N (dB)	-10.0	-10.0	-10.0	-3.1	-3.1	-3.1
Excess Link Margin (dB)	4.9	0.0	0.0	4.3	0.0	0.0
Number of Carriers	2	2	2	1	1	1
CARRIER DENSITY LEVELS						
Uplink Power Density (dBW/Hz)	-45.3	-45.3	-45.3	-58.1	-58.1	-58.1
Downlink EIRP Density At Beam Peak	-24.7	-29.6	-24.7	-30.0	-33.8	-30.0

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

EXHIBIT 5: Intelsat 602 Ku-Band Link Budgets (continued) (Spot Uplink / Spot Downlink - 77 MHz Channel Bandwidth)

LINK BUDGET INFORMATION						
Uplink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Uplink SFD (dBW/m ²)	-84.1	-84.1	-84.1	-84.1	-84.1	-84.1
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
DOWNLINK BUDGET INFORMATION						
Downlink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
ADJACENT SATELLITE						
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
ADJACENT SATELLITE						
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
CARRIER INFORMATION						
Carrier ID	6M77G7W	6M77G7W	6M77G7W	75K4G7W	75K4G7W	75K4G7W
Carrier Modulation	QPSK	QPSK	QPSK	QPSK	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a	n/a	n/a
Information Rate (kbps)	6000	6000	6000	64	64	64
Code Rate	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	6771.1	6771.1	6771.1	75.4	75.4	75.4
Allocated Bandwidth (kHz)	10300	10300	10300	100	100	100
Minimum C/N, Clear Skv (dB)	3.9	3.9	3.9	3.0	3.0	3.0
Minimum C/N, Rain (dB)	3.5	3.5	3.5	2.8	2.8	2.8
UPLINK EARTH STATION						
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	58.1	58.1	58.1	58.1	58.1	58.1
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	2.4	2.4	2.4	2.4	2.4	2.4
Earth Station Gain (dBi)	47.0	47.0	47.0	47.0	47.0	47.0
Earth Station G/T (dB/K)	24.5	24.5	21.5	24.5	24.5	21.5
Earth Station Elevation Angle	20	20	20	20	20	20
LINK CARRIER						
	Clear Skv	Uplink Fade	Downlink Fade	Clear Skv	Uplink Fade	Downlink Fade
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	65.4	65.4	65.4	45.3	45.3	45.3
Uplink Path Loss, Clear Skv (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-5.2	0.0	0.0	-5.1	0.0
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-68.3	-48.8	-48.8	-48.8
Uplink C/N (dB)	22.7	17.5	22.7	22.1	17.0	22.1
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	33.9	29.0	33.9	13.8	8.7	13.8
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Skv (dB)	-205.5	-205.5	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	0.0	-4.4	0.0	0.0	-4.6
Earth Station G/T (dB/K)	24.5	24.5	21.5	24.5	24.5	21.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-68.3	-48.8	-48.8	-48.8
Downlink C/N (dB)	12.8	7.8	5.4	12.1	7.0	4.6
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	22.7	17.5	22.7	22.1	17.0	22.1
C/N Downlink (dB)	12.8	7.8	5.4	12.1	7.0	4.6
C/I Intermodulation (dB)	20.0	16.2	20.0	19.4	14.3	19.4
C/I Uplink Co-Channel (dB)*	25.4	20.2	25.4	25.3	20.2	25.3
C/I Downlink Co-Channel (dB)*	25.4	20.4	25.4	25.3	20.2	25.3
C/I Uplink Adjacent Satellite 1 (dB)	20.1	14.9	20.1	19.5	14.4	19.5
C/I Downlink Adjacent Satellite 1 (dB)	19.6	14.6	19.6	19.0	13.8	19.0
C/I Uplink Adjacent Satellite 2 (dB)	20.1	14.9	20.1	19.5	14.4	19.5
C/I Downlink Adjacent Satellite 2 (dB)	21.3	16.3	21.3	20.6	15.5	20.6
C/(N+I) Composite (dB)	9.5	4.6	4.6	8.9	3.8	3.8
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	8.5	3.6	3.6	7.9	2.8	2.8
Minimum Required C/N (dB)	-3.9	-3.6	-3.6	-3.0	-2.8	-2.8
Excess Link Margin (dB)	4.6	0.0	0.0	4.9	0.0	0.0
Number of Carriers	5.5	5.5	5.5	566.8	566.8	566.8
Carrier Density Levels						
Uplink Power Density (dBW/Hz)	-61.0	-61.0	-61.0	-61.6	-61.6	-61.6
Downlink EIRP Density At Beam Peak	-30.4	-35.3	-30.4	-31.0	-36.1	-31.0

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

EXHIBIT 5: Intelsat 602 Ku-Band Link Budgets (continued)
(Spot Uplink / Spot Downlink - 77 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION						
Uplink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Uplink SFD (dBW/m ²)	-84.1	-84.1	-84.1	-84.1	-84.1	-84.1
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
ADJACENT SATELLITE 1						
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
ADJACENT SATELLITE 2						
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-29.3	-29.3	-29.3	-29.3	-29.3	-29.3
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
CARRIER INFORMATION						
Carrier ID	1M23G7W	1M23G7W	1M23G7W	307KG7W	307KG7W	307KG7W
Carrier Modulation	BPSK	BPSK	BPSK	BPSK	BPSK	BPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a	n/a	n/a
Information Rate (kbps)	512	512	512	128	128	128
Code Rate	1/2	1/2	1/2	1/2	1/2	1/2
Occupied Bandwidth (kHz)	1229	1229	1229	307	307	307
Allocated Bandwidth (kHz)	1450	1450	1450	400	400	400
Minimum C/N, Clear Sky (dB)	3.4	3.4	3.4	3.4	3.4	3.4
Minimum C/N, Rain (dB)	2.7	2.7	2.7	2.7	2.7	2.7
UPLINK EARTH STATION						
Earth Station Diameter (meters)	7.0	7.0	7.0	2.4	2.4	2.4
Earth Station Gain (dB)	58.1	58.1	58.1	49.0	49.0	49.0
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	2.4	2.4	2.4	7.0	7.0	7.0
Earth Station Gain (dB)	47.0	47.0	47.0	56.5	56.5	56.5
Earth Station G/T (dB/K)	24.5	24.5	21.5	34.1	34.1	30.4
Earth Station Elevation Angle	20	20	20	20	20	20
LINK FADE LEVELS						
	Clear Sky	Uplink Fade	Downlink Fade	Clear Sky	Uplink Fade	Downlink Fade
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	57.3	57.3	57.3	46.7	46.7	46.7
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-5.1	0.0	0.0	-4.3	0.0
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-60.9	-60.9	-60.9	-54.9	-54.9	-54.9
Uplink C/N (dB)	22.0	16.8	22.0	17.5	13.2	17.5
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	25.8	20.7	25.8	15.2	11.0	15.2
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	0.0	-4.5	0.0	0.0	-8.0
Earth Station G/T (dB/K)	24.5	24.5	21.5	-34.1	-34.1	-30.4
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-60.9	-60.9	-60.9	-54.9	-54.9	-54.9
Downlink C/N (dB)	12.0	6.9	4.5	17.1	12.9	5.4
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	22.0	16.8	22.0	17.5	13.2	17.5
C/N Downlink (dB)	12.0	6.9	4.5	17.1	12.9	5.4
C/I Intermodulation (dB)	19.2	14.3	19.2	14.7	10.5	14.7
C/I Uplink Co-Channel (dB)*	25.7	20.6	25.7	20.8	16.5	20.8
C/I Downlink Co-Channel (dB)*	25.7	20.6	25.7	20.8	16.5	20.8
C/I Uplink Adjacent Satellite 1 (dB)	19.4	14.2	19.4	14.8	10.6	14.8
C/I Downlink Adjacent Satellite 1 (dB)	18.8	13.7	18.8	24.4	20.2	24.4
C/I Uplink Adjacent Satellite 2 (dB)	19.4	14.2	19.4	14.8	10.6	14.8
C/I Downlink Adjacent Satellite 2 (dB)	20.5	15.4	20.5	24.9	20.7	24.9
C/(N+I) Composite (dB)	8.8	3.7	3.7	8.0	3.7	3.7
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	7.8	2.7	2.7	7.0	2.7	2.7
Minimum Required C/N (dB)	-3.4	-2.7	-2.7	-3.4	-2.7	-2.7
Excess Link Margin (dB)	4.4	0.0	0.0	3.6	0.0	0.0
Number of Carriers	35.8	35.8	35.8	192.5	192.5	192.5
CARRIER DENSITY LEVELS						
Uplink Power Density (dBW/Hz)	-61.7	-61.7	-61.7	-57.2	-57.2	-57.2
Downlink EIRP Density At Beam Peak	-31.1	-36.2	-31.1	-35.7	-39.9	-35.7

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

EXHIBIT 5: Intelsat 602 Ku-Band Link Budgets (continued) (Spot Uplink / Spot Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION						
Uplink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Uplink SFD (dBW/m ²)	-78.3	-78.3	-78.3	-84.1	-84.1	-84.1
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
ADJACENT SATELLITE INFORMATION						
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
ADJACENT SATELLITE INFORMATION						
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
CARRIER INFORMATION						
Carrier ID	36M0F3F	36M0F3F	36M0F3F	61M3G7W	61M3G7W	61M3G7W
Carrier Modulation	TV/FM	TV/FM	TV/FM	OPSK	OPSK	OPSK
Peak to Peak Bandwidth of EDS (MHz)	4	4	4	n/a	n/a	n/a
Information Rate (kbps)	n/a	n/a	n/a	47060	47060	47060
Code Rate	n/a	n/a	n/a	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	36000	36000	36000	61276	61276	61276
Allocated Bandwidth (kHz)	36000	36000	36000	72000	72000	72000
Minimum C/N, Clear Sky (dB)	10	10	10	3.1	3.1	3.1
Minimum C/N, Rain (dB)	10	10	10	3.1	3.1	3.1
UPLINK EARTH STATION						
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	58.1	58.1	58.1	58.1	58.1	58.1
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	6.1	6.1	6.1	1.8	1.8	1.8
Earth Station Gain (dBi)	55.0	55.0	55.0	44.3	44.3	44.3
Earth Station G/T (dB/K)	32.6	32.6	29.4	21.8	21.8	19.3
Earth Station Elevation Angle	20	20	20	20	20	20
LINK LOSS TYPES						
	Clear Sky	Uplink Fade	Downlink Fade	Clear Sky	Uplink Fade	Downlink Fade
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	81.6	81.6	81.6	77.9	77.9	77.9
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-6.3	0.0	0.0	-6.8	0.0
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-75.6	-77.9	-77.9	-77.9
Uplink C/N (dB)	31.7	25.4	31.7	25.7	18.9	25.7
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	40.5	36.0	40.5	43.9	40.2	43.9
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	0.0	-5.1	0.0	0.0	-3.1
Earth Station G/T (dB/K)	32.6	32.6	29.4	21.8	21.8	19.3
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-75.6	-77.9	-77.9	-77.9
Downlink C/N (dB)	20.2	15.7	11.9	10.5	6.8	4.8
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	31.7	25.4	31.7	25.7	18.9	25.7
C/N Downlink (dB)	20.2	15.7	11.9	10.5	6.8	4.8
C/I Intermodulation (dB)	n/a	n/a	n/a	n/a	n/a	n/a
C/I Uplink Co-Channel (dB)*	24.0	17.7	24.0	23.1	16.3	23.1
C/I Downlink Co-Channel (dB)*	24.0	19.5	24.0	23.1	19.4	23.1
C/I Uplink Adjacent Satellite 1 (dB)	29.0	22.7	29.0	23.0	16.2	23.0
C/I Downlink Adjacent Satellite 1 (dB)	27.0	22.5	27.0	16.6	12.9	16.6
C/I Uplink Adjacent Satellite 2 (dB)	29.0	22.7	29.0	23.0	16.2	23.0
C/I Downlink Adjacent Satellite 2 (dB)	27.7	23.1	27.7	18.8	15.1	18.8
C/(N+I) Composite (dB)	16.1	11.0	11.0	8.3	4.1	4.1
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	15.1	10.0	10.0	7.3	3.1	3.1
Minimum Required C/N (dB)	-10.0	-10.0	-10.0	-3.1	-3.1	-3.1
Excess Link Margin (dB)	5.1	0.0	0.0	4.2	0.0	0.0
Number of Carriers	2	2	2	1	1	1
Carrier Density Levels						
Uplink Power Density (dBW/Hz)	-42.5	-42.5	-42.5	-58.1	-58.1	-58.1
Downlink EIRP Density At Beam Peak	-21.5	-26.0	-21.5	-30.0	-33.7	-30.0

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

EXHIBIT 5: Intelsat 602 Ku-Band Link Budgets (continued)
(Spot Uplink / Spot Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION						
Uplink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Uplink SFD (dBW/m ²)	-78.3	-78.3	-78.3	-78.3	-78.3	-78.3
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
ADJACENT SATELLITE 1						
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
ADJACENT SATELLITE 2						
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
CARRIER INFORMATION						
Carrier ID	6M77G7W	6M77G7W	6M77G7W	75K4G7W	75K4G7W	75K4G7W
Carrier Modulation	QPSK	QPSK	QPSK	QPSK	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a	n/a	n/a
Information Rate (kbps)	6000	6000	6000	64	64	64
Code Rate	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	6771.1	6771.1	6771.1	75.4	75.4	75.4
Allocated Bandwidth (kHz)	10300	10300	10300	100	100	100
Minimum C/N, Clear Sky (dB)	3.9	3.9	3.9	3.0	3.0	3.0
Minimum C/N, Rain (dB)	3.5	3.5	3.5	2.8	2.8	2.8
UPLINK EARTH STATION						
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	58.1	58.1	58.1	58.1	58.1	58.1
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	2.4	2.4	2.4	2.4	2.4	2.4
Earth Station Gain (dBi)	47.0	47.0	47.0	47.0	47.0	47.0
Earth Station G/T (dB/K)	24.5	24.5	21.6	24.5	24.5	21.6
Earth Station Elevation Angle	20	20	20	20	20	20
LINK FADE TYPE						
	Clear Sky	Uplink Fade	Downlink Fade	Clear Sky	Uplink Fade	Downlink Fade
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	69.9	69.9	69.9	49.6	49.6	49.6
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-5.5	0.0	0.0	-5.4	0.0
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-68.3	-48.8	-48.8	-48.8
Uplink C/N (dB)	27.2	21.7	27.2	26.5	21.1	26.5
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	33.3	27.9	33.3	13.0	7.6	13.0
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	0.0	-4.1	0.0	0.0	-4.2
Earth Station G/T (dB/K)	24.5	24.5	21.6	24.5	24.5	21.6
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-68.3	-48.8	-48.8	-48.8
Downlink C/N (dB)	12.1	6.8	5.1	11.4	6.0	4.3
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	27.2	21.7	27.2	26.5	21.1	26.5
C/N Downlink (dB)	12.1	6.8	5.1	11.4	6.0	4.3
C/I Intermodulation (dB)	24.7	21.5	24.7	24.0	18.6	24.0
C/I Uplink Co-Channel (dB)*	25.7	20.2	25.7	25.6	20.2	25.6
C/I Downlink Co-Channel (dB)*	25.7	20.4	25.7	25.6	20.2	25.6
C/I Uplink Adjacent Satellite 1 (dB)	24.6	19.1	24.6	23.9	18.4	23.9
C/I Downlink Adjacent Satellite 1 (dB)	18.5	13.2	18.5	17.8	12.4	17.8
C/I Uplink Adjacent Satellite 2 (dB)	24.6	19.1	24.6	23.9	18.4	23.9
C/I Downlink Adjacent Satellite 2 (dB)	20.2	14.9	20.2	19.5	14.1	19.5
C/(N+I) Composite (dB)	9.9	4.6	4.6	9.2	3.8	3.8
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	8.9	3.6	3.6	8.2	2.8	2.8
Minimum Required C/N (dB)	-3.9	-3.6	-3.6	-3.0	-2.8	-2.8
Excess Link Margin (dB)	5.0	0.0	0.0	5.2	0.0	0.0
Number of Carriers	4.7	4.7	4.7	498.5	498.5	498.5
CARRIER DENSITY LEVELS						
Uplink Power Density (dBW/Hz)	-56.5	-56.5	-56.5	-57.3	-57.3	-57.3
Downlink EIRP Density At Beam Peak	-31.0	-36.4	-31.0	-31.8	-37.2	-31.8

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

EXHIBIT 5: Intelsat 602 Ku-Band Link Budgets (continued)
(Spot Uplink / Spot Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION						
Uplink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Uplink SED (dBW/m ²)	-78.3	-78.3	-78.3	-78.3	-78.3	-78.3
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
ADJACENT SATELLITE						
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
ADJACENT SATELLITE 2						
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
CARRIER INFORMATION						
Carrier ID	1M23G7W	1M23G7W	1M23G7W	307KG7W	307KG7W	307KG7W
Carrier Modulation	BPSK	BPSK	BPSK	BPSK	BPSK	BPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a	n/a	n/a
Information Rate (kbps)	512	512	512	128	128	128
Code Rate	1/2	1/2	1/2	1/2	1/2	1/2
Occupied Bandwidth (kHz)	1229	1229	1229	307	307	307
Allocated Bandwidth (kHz)	1450	1450	1450	400	400	400
Minimum C/N, Clear Sky (dB)	3.4	3.4	3.4	3.4	3.4	3.4
Minimum C/N, Rain (dB)	2.7	2.7	2.7	2.7	2.7	2.7
UPLINK EARTH STATION						
Earth Station Diameter (meters)	7.0	7.0	7.0	2.4	2.4	2.4
Earth Station Gain (dBi)	58.1	58.1	58.1	49.0	49.0	49.0
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	2.4	2.4	2.4	7.0	7.0	7.0
Earth Station Gain (dBi)	47.0	47.0	47.0	56.5	56.5	56.5
Earth Station G/T (dB/K)	24.5	24.5	21.6	34.1	34.1	30.8
Earth Station Elevation Angle	20	20	20	20	20	20
LINK FADING TYPE						
	Clear Sky	Uplink Fade	Downlink Fade	Clear Sky	Uplink Fade	Downlink Fade
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	61.6	61.6	61.6	48.9	48.9	48.9
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-5.4	0.0	0.0	-4.6	0.0
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-60.9	-60.9	-60.9	-54.9	-54.9	-54.9
Uplink C/N (dB)	26.4	20.9	26.4	19.7	15.1	19.7
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	25.0	19.6	25.0	12.3	7.7	12.3
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	0.0	-4.2	0.0	0.0	-5.8
Earth Station G/T (dB/K)	24.5	24.5	21.6	34.1	34.1	30.8
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-60.9	-60.9	-60.9	-54.9	-54.9	-54.9
Downlink C/N (dB)	11.3	5.9	4.2	14.2	9.6	5.0
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	26.4	20.9	26.4	19.7	15.1	19.7
C/N Downlink (dB)	11.3	5.9	4.2	14.2	9.6	5.0
C/I Intermodulation (dB)	23.9	18.8	23.9	17.2	12.6	17.2
C/I Uplink Co-Channel (dB)*	26.0	20.6	26.0	18.9	14.3	18.9
C/I Downlink Co-Channel (dB)*	26.0	20.6	26.0	18.9	14.3	18.9
C/I Uplink Adjacent Satellite 1 (dB)	23.7	18.3	23.7	17.0	12.4	17.0
C/I Downlink Adjacent Satellite 1 (dB)	17.7	12.3	17.7	21.1	16.5	21.1
C/I Uplink Adjacent Satellite 2 (dB)	23.7	18.3	23.7	17.0	12.4	17.0
C/I Downlink Adjacent Satellite 2 (dB)	19.4	14.0	19.4	21.6	17.0	21.6
C/(N+I) Composite (dB)	9.1	3.7	3.7	8.3	3.7	3.7
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	8.1	2.7	2.7	7.3	2.7	2.7
Minimum Required C/N (dB)	-3.4	-2.7	-2.7	-3.4	-2.7	-2.7
Excess Link Margin (dB)	4.7	0.0	0.0	3.9	0.0	0.0
Number of Carriers	31.4	31.4	31.4	180	180	180
CARRIER DENSITY LEVELS						
Uplink Power Density (dBW/Hz)	-57.4	-57.4	-57.4	-55.0	-55.0	-55.0
Downlink EIRP Density At Beam Peak	-31.9	-37.3	-31.9	-38.6	-43.2	-38.6

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

EXHIBIT 5: Intelsat 602 Ku-Band Link Budgets (continued)
(Spot Uplink / Spot Downlink - 150 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION						
Uplink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Uplink SED (dBW/m ²)	-73.2	-73.2	-73.2	-84.1	-84.1	-84.1
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
ADJACENT SATELLITE 1						
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-32.1	-32.1	-32.1	-32.1	-32.1	-32.1
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
ADJACENT SATELLITE 2						
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-32.1	-32.1	-32.1	-32.1	-32.1	-32.1
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
CARRIER INFORMATION						
Carrier ID	36M0E3F	36M0E3F	36M0E3F	128MG7W	128MG7W	128MG7W
Carrier Modulation	TV/FM	TV/FM	TV/FM	OPSK	OPSK	OPSK
Peak to Peak Bandwidth of EDS (MHz)	4	4	4	n/a	n/a	n/a
Information Rate (kbps)	n/a	n/a	n/a	98000	98000	98000
Code Rate	n/a	n/a	n/a	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	36000	36000	36000	1276000	1276000	1276000
Allocated Bandwidth (kHz)	36000	36000	36000	150000	150000	150000
Minimum C/N, Clear Skv (dB)	10	10	10	3.1	3.1	3.1
Minimum C/N, Rain (dB)	10	10	10	3.1	3.1	3.1
UPLINK ANTENNA INFORMATION						
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	58.1	58.1	58.1	58.1	58.1	58.1
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK ANTENNA INFORMATION						
Earth Station Diameter (meters)	13.0	13.0	13.0	2.4	2.4	2.4
Earth Station Gain (dBi)	62.1	62.1	62.1	47.0	47.0	47.0
Earth Station G/T (dB/K)	41.5	41.5	37.2	24.5	24.5	21.8
Earth Station Elevation Angle	20	20	20	20	20	20
LINK TYPE	Clear Skv	Uplink Fade	Downlink Fade	Clear Skv	Uplink Fade	Downlink Fade
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	75.7	75.7	75.7	78.8	78.8	78.8
Uplink Path Loss, Clear Skv (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-4.1	0.0	0.0	-7.5	0.0
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-75.6	-81.1	-81.1	-81.1
Uplink C/N (dB)	25.7	21.7	25.7	23.4	15.8	23.4
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	34.0	30.1	34.0	44.8	40.9	44.8
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Skv (dB)	-205.5	-205.5	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	0.0	-5.3	0.0	0.0	-3.6
Earth Station G/T (dB/K)	41.5	41.5	37.2	24.5	24.5	21.8
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-75.6	-81.1	-81.1	-81.1
Downlink C/N (dB)	22.5	18.6	13.0	10.9	7.0	4.6
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	25.7	21.7	25.7	23.4	15.8	23.4
C/N Downlink (dB)	22.5	18.6	13.0	10.9	7.0	4.6
C/I Intermodulation (dB)	21.4	19.5	21.4	n/a	n/a	n/a
C/I Uplink Co-Channel (dB)*	24.2	20.1	24.2	24.0	16.5	24.0
C/I Downlink Co-Channel (dB)*	24.2	20.3	24.2	24.0	20.1	24.0
C/I Uplink Adjacent Satellite 1 (dB)	23.1	19.1	23.1	20.7	13.2	20.7
C/I Downlink Adjacent Satellite 1 (dB)	31.1	27.2	31.1	20.5	16.6	20.5
C/I Uplink Adjacent Satellite 2 (dB)	23.1	19.1	23.1	20.7	13.2	20.7
C/I Downlink Adjacent Satellite 2 (dB)	31.4	27.5	31.4	22.2	18.3	22.2
C/(N+I) Composite (dB)	14.6	11.0	11.0	9.0	4.1	4.1
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	13.6	10.0	10.0	8.0	3.1	3.1
Minimum Required C/N (dB)	-10.0	-10.0	-10.0	-3.1	-3.1	-3.1
Excess Link Margin (dB)	3.6	0.0	0.0	4.9	0.0	0.0
Number of Carriers	4	4	4	1	1	1
CARRIER DENSITY LEVELS						
Uplink Power Density (dBW/Hz)	-48.4	-48.4	-48.4	-60.4	-60.4	-60.4
Downlink EIRP Density At Beam Peak	-28.0	-31.9	-28.0	-32.3	-36.2	-32.3

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

EXHIBIT 5: Intelsat 602 Ku-Band Link Budgets (continued)
(Spot Uplink / Spot Downlink - 150 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION						
Uplink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Uplink SFD (dBW/m ²)	-78.3	-78.3	-78.3	-78.3	-78.3	-78.3
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
ADJACENT SATELLITE 1						
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-32.1	-32.1	-32.1	-32.1	-32.1	-32.1
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
ADJACENT SATELLITE 2						
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-32.1	-32.1	-32.1	-32.1	-32.1	-32.1
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
CARRIER INFORMATION						
Carrier ID	6M77G7W	6M77G7W	6M77G7W	75K4G7W	75K4G7W	75K4G7W
Carrier Modulation	QPSK	QPSK	QPSK	QPSK	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a	n/a	n/a
Information Rate (kbps)	6000	6000	6000	64	64	64
Code Rate	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	6771.1	6771.1	6771.1	75.4	75.4	75.4
Allocated Bandwidth (kHz)	10300	10300	10300	100	100	100
Minimum C/N, Clear Sky (dB)	3.9	3.9	3.9	3.0	3.0	3.0
Minimum C/N, Rain (dB)	3.5	3.5	3.5	2.8	2.8	2.8
UPLINK EARTH STATION						
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	58.1	58.1	58.1	58.1	58.1	58.1
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	3.0	3.0	3.0	3.0	3.0	3.0
Earth Station Gain (dBi)	48.7	48.7	48.7	48.7	48.7	48.7
Earth Station G/T (dB/K)	26.2	26.2	23.4	26.2	26.2	23.3
Earth Station Elevation Angle	20	20	20	20	20	20
LINK BUDGET TYPE						
	Clear Sky	Uplink Fade	Downlink Fade	Clear Sky	Uplink Fade	Downlink Fade
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	68.7	68.7	68.7	48.5	48.5	48.5
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-5.5	0.0	0.0	-5.5	0.0
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-68.3	-48.8	-48.8	-48.8
Uplink C/N (dB)	26.0	20.5	26.0	25.3	19.9	25.3
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	31.4	26.0	31.4	11.2	5.7	11.2
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	0.0	-4.0	0.0	0.0	-4.1
Earth Station G/T (dB/K)	26.2	26.2	23.4	26.2	26.2	23.3
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-68.3	-48.8	-48.8	-48.8
Downlink C/N (dB)	12.0	6.5	5.1	11.2	5.8	4.3
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	26.0	20.5	26.0	25.3	19.9	25.3
C/N Downlink (dB)	12.0	6.5	5.1	11.2	5.8	4.3
C/I Intermodulation (dB)	20.4	15.6	20.4	19.7	14.2	19.7
C/I Uplink Co-Channel (dB)*	25.8	20.2	25.8	25.6	20.2	25.6
C/I Downlink Co-Channel (dB)*	25.8	20.4	25.8	25.6	20.2	25.6
C/I Uplink Adjacent Satellite 1 (dB)	23.4	17.9	23.4	22.7	17.2	22.7
C/I Downlink Adjacent Satellite 1 (dB)	21.8	16.4	21.8	21.1	15.6	21.1
C/I Uplink Adjacent Satellite 2 (dB)	23.4	17.9	23.4	22.7	17.2	22.7
C/I Downlink Adjacent Satellite 2 (dB)	23.1	17.7	23.1	22.4	16.9	22.4
C/(N+I) Composite (dB)	9.9	4.6	4.6	9.3	3.8	3.8
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	8.9	3.6	3.6	8.3	2.8	2.8
Minimum Required C/N (dB)	-3.9	-3.6	-3.6	-3.0	-2.8	-2.8
Excess Link Margin (dB)	5.0	0.0	0.0	5.3	0.0	0.0
Number of Carriers	9.7	9.7	9.7	1026.4	1026.4	1026.4
CARRIER DENSITY LEVELS						
Uplink Power Density (dBW/Hz)	-57.7	-57.7	-57.7	-58.4	-58.4	-58.4
Downlink EIRP Density At Beam Peak	-32.9	-38.3	-32.9	-33.6	-39.1	-33.6

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

EXHIBIT 5: Intelsat 602 Ku-Band Link Budgets (continued)
(Spot Uplink / Spot Downlink - 150 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION						
Uplink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Uplink SED (dBW/m ²)	-78.3	-78.3	-78.3	-78.3	-78.3	-78.3
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION						
Downlink Beam Name	Spot	Spot	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0	95.0	95.0
ADJACENT SATELLITE 1						
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-32.1	-32.1	-32.1	-32.1	-32.1	-32.1
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
ADJACENT SATELLITE 2						
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-32.1	-32.1	-32.1	-32.1	-32.1	-32.1
Downlink Polarization Advantage (dB)	0	0	0	0	0	0
CARRIER INFORMATION						
Carrier ID	1M23G7W	1M23G7W	1M23G7W	307KG7W	307KG7W	307KG7W
Carrier Modulation	BPSK	BPSK	BPSK	BPSK	BPSK	BPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a	n/a	n/a
Information Rate (kbps)	512	512	512	128	128	128
Code Rate	1/2	1/2	1/2	1/2	1/2	1/2
Occupied Bandwidth (kHz)	1229	1229	1229	307	307	307
Allocated Bandwidth (kHz)	1450	1450	1450	400	400	400
Minimum C/N, Clear Skv (dB)	3.4	3.4	3.4	3.4	3.4	3.4
Minimum C/N, Rain (dB)	2.7	2.7	2.7	2.7	2.7	2.7
UPLINK EARTH STATION						
Earth Station Diameter (meters)	7.0	7.0	7.0	3.0	3.0	3.0
Earth Station Gain (dBi)	58.1	58.1	58.1	49.7	49.7	49.7
Earth Station Elevation Angle	20	20	20	20	20	20
DOWNLINK EARTH STATION						
Earth Station Diameter (meters)	3.0	3.0	3.0	7.0	7.0	7.0
Earth Station Gain (dBi)	48.7	48.7	48.7	56.5	56.5	56.5
Earth Station G/T (dB/K)	26.2	26.2	23.3	34.1	34.1	30.8
Earth Station Elevation Angle	20	20	20	20	20	20
LINK FADING LEVELS						
	Clear Skv	Uplink Fade	Downlink Fade	Clear Skv	Uplink Fade	Downlink Fade
UPLINK PERFORMANCE						
Uplink Earth Station EIRP (dBW)	60.5	60.5	60.5	49.4	49.4	49.4
Uplink Path Loss, Clear Skv (dB)	-207.5	-207.5	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-5.5	0.0	0.0	-4.6	0.0
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-60.9	-60.9	-60.9	-54.9	-54.9	-54.9
Uplink C/N (dB)	25.2	19.7	25.2	20.1	15.5	20.1
DOWNLINK PERFORMANCE						
Downlink EIRP per Carrier (dBW)	23.2	17.7	23.2	12.1	7.4	12.1
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Skv (dB)	-205.5	-205.5	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	0.0	-4.1	0.0	0.0	-5.7
Earth Station G/T (dB/K)	26.2	26.2	23.3	34.1	34.0	30.8
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-60.9	-60.9	-60.9	-54.9	-54.9	-54.9
Downlink C/N (dB)	11.1	5.7	4.2	14.0	9.3	4.9
COMPOSITE LINK PERFORMANCE						
C/N Uplink (dB)	25.2	19.7	25.2	20.1	15.5	20.1
C/N Downlink (dB)	11.1	5.7	4.2	14.0	9.3	4.9
C/I Intermodulation (dB)	19.6	14.2	19.6	14.5	9.8	14.5
C/I Uplink Co-Channel (dB)*	26.0	20.5	26.0	20.5	15.9	20.5
C/I Downlink Co-Channel (dB)*	26.0	20.6	26.0	20.5	15.9	20.5
C/I Uplink Adjacent Satellite 1 (dB)	22.6	17.1	22.6	17.5	12.9	17.5
C/I Downlink Adjacent Satellite 1 (dB)	21.0	15.5	21.0	24.1	19.4	24.1
C/I Uplink Adjacent Satellite 2 (dB)	22.6	17.1	22.6	17.5	12.9	17.5
C/I Downlink Adjacent Satellite 2 (dB)	22.2	16.8	22.2	24.6	19.9	24.6
C/(N+I) Composite (dB)	9.2	3.7	3.7	8.3	3.7	3.7
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	8.2	2.7	2.7	7.3	2.7	2.7
Minimum Required C/N (dB)	-3.4	-2.7	-2.7	-3.4	-2.7	-2.7
Excess Link Margin (dB)	4.8	0.0	0.0	3.9	0.0	0.0
Number of Carriers	64.7	64.7	64.7	375	375	375
CARRIER DENSITY LEVELS						
Uplink Power Density (dBW/Hz)	-58.5	-58.5	-58.5	-55.2	-55.2	-55.2
Downlink EIRP Density At Beam Peak	-33.7	-39.2	-33.7	-38.8	-43.5	-38.8

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

EXHIBIT 5: Intelsat 602 Ku-to-C Band Link Budgets (continued)
(Spot Uplink / Hemi Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5
Uplink SFD (dBW/m ²)	-78.3	-78.3	-84.1	-84.1
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Hemi	Hemi	Hemi	Hemi
Downlink Frequency (MHz)	3709 - 4031	3709 - 4031	3709 - 4031	3709 - 4031
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	31.6	31.6	31.6	31.6
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
ADJACENT SATELLITE				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITE				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0E3F	36M0E3F	61M3G7W	61M3G7W
Carrier Modulation	TV/FM	TV/FM	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	4	4	n/a	n/a
Information Rate (kbps)	n/a	n/a	47060	47060
Code Rate	n/a	n/a	1/24 - RS	1/24 - RS
Occupied Bandwidth (kHz)	36000	36000	61276	61276
Allocated Bandwidth (kHz)	36000	36000	72000	72000
Minimum C/N, Clear Sky (dB)	10	10	3.1	3.1
Minimum C/N, Rain (dB)	10	10	3.1	3.1
UPLINK ANTENNA INFORMATION				
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	58.1	58.1	58.1	58.1
Earth Station Elevation Angle	20	20	20	20
DOWNLINK ANTENNA INFORMATION				
Earth Station Diameter (meters)	13.1	13.1	4.5	4.5
Earth Station Gain (dBi)	53.3	53.3	43.7	43.7
Earth Station G/T (dB/K)	32.8	32.8	23.4	23.4
Earth Station Elevation Angle	20	20	20	20
LINK BUDGET				
Uplink Fade	Clear Sky	Unlink Fade	Clear Sky	Unlink Fade
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	81.6	81.6	78.8	78.8
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-3.7	0.0	-5.8
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-77.9	-77.9
Uplink C/N (dB)	31.7	28.0	26.6	20.7
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	27.2	24.7	31.6	28.9
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Downlink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
Earth Station G/T (dB/K)	32.8	32.8	23.4	23.4
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-77.9	-77.9
Downlink C/N (dB)	16.4	14.0	9.1	6.4
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	31.7	28.0	26.6	20.7
C/N Downlink (dB)	16.4	14.0	9.1	6.4
C/I Intermodulation (dB)	n/a	n/a	n/a	n/a
C/I Uplink Co-Channel (dB)*	24.0	20.3	24.0	18.2
C/I Downlink Co-Channel (dB)*	24.0	21.6	24.0	21.3
C/I Uplink Adjacent Satellite 1 (dB)	29.0	25.4	23.9	18.1
C/I Downlink Adjacent Satellite 1 (dB)	23.1	20.6	14.7	12.0
C/I Uplink Adjacent Satellite 2 (dB)	29.0	25.4	23.9	18.1
C/I Downlink Adjacent Satellite 2 (dB)	23.9	21.5	17.2	14.5
C/(N+I) Composite (dB)	13.7	11.0	7.1	4.1
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	12.7	10.0	6.1	3.1
Minimum Required C/N (dB)	-10.0	-10.0	-3.1	-3.1
Excess Link Margin (dB)	2.7	0.0	3.0	0.0
Number of Carriers	2	2	1	1
CARRIER DENSITY LEVEL				
Uplink Power Density (dBW/Hz)	-42.5	-42.5	-57.2	-57.2
Downlink EIRP Density At Beam Peak	-34.8	-37.3	-42.3	-45.0

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

EXHIBIT 5: Intelsat 602 Ku-to-C Band Link Budgets (continued)
(Spot Uplink / Hemi Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5
Uplink SED (dBW/m ²)	-78.3	-78.3	-78.3	-78.3
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Hemi	Hemi	Hemi	Hemi
Downlink Frequency (MHz)	3709 - 4031	3709 - 4031	3709 - 4031	3709 - 4031
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	31.6	31.6	31.6	31.6
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
ADJACENT SATELLITES				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	6M77G7W	6M77G7W	75K4G7W	75K4G7W
Carrier Modulation	QPSK	QPSK	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a
Information Rate (kbps)	6000	6000	64	64
Code Rate	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	6771.1	6771.1	75.4	75.4
Allocated Bandwidth (kHz)	10300	10300	100	100
Minimum C/N, Clear Sky (dB)	3.9	3.9	3.0	3.0
Minimum C/N, Rain (dB)	3.5	3.5	2.8	2.8
UPLINK EARTH STATION				
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	58.1	58.1	58.1	58.1
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	8.1	8.1	8.1	8.1
Earth Station Gain (dBi)	49.1	49.1	49.1	49.1
Earth Station G/T (dB/K)	28.2	28.2	28.2	28.2
Earth Station Elevation Angle	20	20	20	20
LINK BUDGET TYPE				
	Clear Sky	Uplink Fade	Clear Sky	Uplink Fade
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	69.4	69.4	49.2	49.2
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-3.9	0.0	-3.9
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-48.8	-48.8
Uplink C/N (dB)	26.8	22.9	26.0	22.1
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	18.4	14.6	-1.8	-5.7
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Downlink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
Earth Station G/T (dB/K)	28.2	28.2	28.2	28.2
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-48.8	-48.8
Downlink C/N (dB)	10.3	6.5	9.6	5.7
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	26.8	22.9	26.0	22.1
C/N Downlink (dB)	10.3	6.5	9.6	5.7
C/I Intermodulation (dB)	27.3	25.0	26.6	22.7
C/I Uplink Co-Channel (dB)*	25.3	21.4	25.1	21.2
C/I Downlink Co-Channel (dB)*	25.3	21.4	25.1	21.2
C/I Uplink Adjacent Satellite 1 (dB)	24.1	20.2	23.4	19.5
C/I Downlink Adjacent Satellite 1 (dB)	17.1	13.2	16.3	12.4
C/I Uplink Adjacent Satellite 2 (dB)	24.1	20.2	23.4	19.5
C/I Downlink Adjacent Satellite 2 (dB)	18.5	14.7	17.8	13.9
C/(N+I) Composite (dB)	8.4	4.6	7.7	3.8
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	7.4	3.6	6.7	2.8
Minimum Required C/N (dB)	-3.9	-3.6	-3.0	-2.8
Excess Link Margin (dB)	3.5	0.0	3.7	0.0
Number of Carriers	5.2	5.2	554.9	554.9
CARRIER DENSITY LEVEL				
Uplink Power Density (dBW/Hz)	-57.0	-57.0	-57.7	-57.7
Downlink EIRP Density At Beam Peak	-45.9	-49.7	-46.6	-50.5

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

EXHIBIT 5: Intelsat 602 Ku-to-C Band Link Budgets (continued)
(Spot Uplink / Zone Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5
Uplink SED (dBW/m ²)	-73.2	-73.2	-84.1	-84.1
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Zone	Zone	Zone	Zone
Downlink Frequency (MHz)	3709 - 4031	3709 - 4031	3709 - 4031	3709 - 4031
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	32.8	32.8	32.8	32.8
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
ADJACENT SATELLITE				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITE				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0E3F	36M0E3F	61M3G7W	61M3G7W
Carrier Modulation	TV/FM	TV/FM	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	4	4	n/a	n/a
Information Rate (kbps)	n/a	n/a	47060	47060
Code Rate	n/a	n/a	1/24 - RS	1/24 - RS
Occupied Bandwidth (kHz)	36000	36000	61276	61276
Allocated Bandwidth (kHz)	36000	36000	72000	72000
Minimum C/N, Clear Sky (dB)	10	10	3.1	3.1
Minimum C/N, Rain (dB)	10	10	3.1	3.1
UPLINK EARTH STATION				
Earth Station Diameter (meters)	11.1	11.1	7.0	7.0
Earth Station Gain (dBi)	62.3	62.3	58.1	58.1
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	9.2	9.2	3.7	3.7
Earth Station Gain (dBi)	50.1	50.1	41.0	41.0
Earth Station G/T (dB/K)	29.2	29.2	20.7	20.7
Earth Station Elevation Angle	20	20	20	20
Uplink Fade Type	Clear Sky	Uplink Fade	Clear Sky	Uplink Fade
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	87.7	87.7	78.8	78.8
Uplink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5
Uplink Rain Attenuation (dB)	0.0	-3.7	0.0	-4.2
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-77.9	-77.9
Uplink C/N (dB)	37.8	34.4	26.6	22.3
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	29.4	27.5	32.8	31.4
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Downlink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
Earth Station G/T (dB/K)	29.2	29.2	20.7	20.7
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-77.9	-77.9
Downlink C/N (dB)	15.0	13.1	7.6	6.3
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	37.8	34.4	26.6	22.3
C/N Downlink (dB)	15.0	13.1	7.6	6.3
C/I Intermodulation (dB)	n/a	n/a	n/a	n/a
C/I Uplink Co-Channel (dB)*	25.0	21.7	24.0	19.8
C/I Downlink Co-Channel (dB)*	25.0	23.1	24.0	22.6
C/I Uplink Adjacent Satellite 1 (dB)	35.1	31.8	23.9	19.7
C/I Downlink Adjacent Satellite 1 (dB)	21.9	20.0	12.6	11.3
C/I Uplink Adjacent Satellite 2 (dB)	35.1	31.8	23.9	19.7
C/I Downlink Adjacent Satellite 2 (dB)	23.1	21.2	16.0	14.6
C/(N+I) Composite (dB)	13.0	11.0	5.7	4.1
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	12.0	10.0	4.7	3.1
Minimum Required C/N (dB)	-10.0	-10.0	-3.1	-3.1
Excess Link Margin (dB)	2.0	0.0	1.6	0.0
Number of Carriers	2	2	1	1
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-40.6	-40.6	-57.2	-57.2
Downlink EIRP Density At Beam Peak	-32.6	-34.5	-41.1	-42.5

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

EXHIBIT 5: Intelsat 602 Ku-to-C Band Link Budgets (continued)
(Spot Uplink / Zone Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Spot	Spot	Spot	Spot
Uplink Frequency (MHz)	14000 - 14500	14000 - 14500	14000 - 14500	14000 - 14500
Uplink Beam Polarization	Linear	Linear	Linear	Linear
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	4.5	4.5	4.5	4.5
Uplink SFD (dBW/m ²)	-78.3	-78.3	-78.3	-78.3
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Zone	Zone	Zone	Zone
Downlink Frequency (MHz)	3709 - 4031	3709 - 4031	3709 - 4031	3709 - 4031
Downlink Beam Polarization	Circular	Circular	Circular	Circular
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	32.8	32.8	32.8	32.8
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
ADJACENT SATELLITE 1				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITE 2				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-40.1	-40.1	-40.1	-40.1
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	6M77G7W	6M77G7W	75K4G7W	75K4G7W
Carrier Modulation	QPSK	QPSK	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a
Information Rate (kbps)	6000	6000	64	64
Code Rate	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	6771.1	6771.1	75.4	75.4
Allocated Bandwidth (kHz)	10300	10300	100	100
Minimum C/N, Clear Sky (dB)	3.9	3.9	3.0	3.0
Minimum C/N, Rain (dB)	3.5	3.5	2.8	2.8
UPLINK EARTH STATION				
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	58.1	58.1	58.1	58.1
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	47.3	47.3	47.3	47.3
Earth Station G/T (dB/K)	26.4	26.4	26.4	26.4
Earth Station Elevation Angle	20	20	20	20
LINK ADAPTIVE				
	Clear Sky	Unlink Fade	Clear Sky	Unlink Fade
UPLINK PERFORMANCE				
Unlink Earth Station EIRP (dBW)	70.0	70.0	49.7	49.7
Unlink Path Loss, Clear Sky (dB)	-207.5	-207.5	-207.5	-207.5
Unlink Rain Attenuation (dB)	0.0	-3.9	0.0	-3.9
Satellite G/T (dB/K)	4.5	4.5	4.5	4.5
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-48.8	-48.8
Unlink C/N (dB)	27.3	23.4	26.5	22.7
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	20.2	16.3	-0.1	-4.0
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-196.1	-196.1	-196.1	-196.1
Downlink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
Earth Station G/T (dB/K)	26.4	26.4	26.4	26.4
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-48.8	-48.8
Downlink C/N (dB)	10.2	6.4	9.5	5.6
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	27.3	23.4	26.5	22.7
C/N Downlink (dB)	10.2	6.4	9.5	5.6
C/I Intermodulation (dB)	27.8	25.7	27.1	23.2
C/I Uplink Co-Channel (dB)*	25.8	21.9	25.7	21.8
C/I Downlink Co-Channel (dB)*	25.8	22.0	25.7	21.8
C/I Uplink Adjacent Satellite 1 (dB)	24.7	20.8	23.9	20.0
C/I Downlink Adjacent Satellite 1 (dB)	16.9	13.0	16.1	12.2
C/I Uplink Adjacent Satellite 2 (dB)	24.7	20.8	23.9	20.0
C/I Downlink Adjacent Satellite 2 (dB)	18.5	14.7	17.8	13.9
C/(N+I) Composite (dB)	8.4	4.6	7.7	3.8
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	7.4	3.6	6.7	2.8
Minimum Required C/N (dB)	-3.9	-3.6	-3.0	-2.8
Excess Link Margin (dB)	3.5	0.0	3.7	0.0
Number of Carriers	4.6	4.6	490.1	490.1
Carrier Density Levels				
Unlink Power Density (dBW/Hz)	-56.4	-56.4	-57.2	-57.2
Downlink EIRP Density At Beam Peak	-44.1	-48.0	-44.9	-48.8

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

EXHIBIT 5: Intelsat 602 C-to-Ku Band Link Budgets (continued)
(Hemi Uplink / Spot Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Hemi	Hemi	Hemi	Hemi
Uplink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Uplink SED (dBW/m ²)	-82.7	-82.7	-82.7	-82.7
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
ADVANCED SATELLITE DATA				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
ADVANCED SATELLITE DATA				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0E3F	36M0E3F	60M3G7W	60M3G7W
Carrier Modulation	TV/FM	TV/FM	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	4	4	n/a	n/a
Information Rate (kbps)	n/a	n/a	73726	73726
Code Rate	n/a	n/a	3/4 - RS	3/4 - RS
Occupied Bandwidth (kHz)	36000	36000	60266	60266
Allocated Bandwidth (kHz)	36000	36000	72000	72000
Minimum C/N, Clear Sky (dB)	10	10	6.1	6.1
Minimum C/N, Rain (dB)	10	10	6.1	6.1
UPLINK ANTENNA INFORMATION				
Earth Station Diameter (meters)	13.0	13.0	13.0	13.0
Earth Station Gain (dBi)	56.3	56.3	56.3	56.3
Earth Station Elevation Angle	20	20	20	20
DOWNLINK ANTENNA INFORMATION				
Earth Station Diameter (meters)	4.6	4.6	2.4	2.4
Earth Station Gain (dBi)	53.0	53.0	47.0	47.0
Earth Station G/T (dB/K)	30.5	28.1	24.5	22.3
Earth Station Elevation Angle	20	20	20	20
LINK BUDGET				
	Clear Sky	Downlink Fade	Clear Sky	Downlink Fade
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	77.2	77.2	76.5	76.5
Uplink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
Uplink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
Satellite G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-77.8	-77.8
Uplink C/N (dB)	22.6	22.6	19.6	19.6
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	40.5	40.5	43.8	43.8
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	-2.9	0.0	-2.5
Earth Station G/T (dB/K)	30.5	28.1	24.5	22.3
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-77.8	-77.8
Downlink C/N (dB)	18.1	12.7	13.2	8.4
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	22.6	22.6	19.6	19.6
C/N Downlink (dB)	18.1	12.7	13.2	8.4
C/I Intermodulation (dB)	n/a	n/a	n/a	n/a
C/I Uplink Co-Channel (dB)*	24.0	24.0	24.0	24.0
C/I Downlink Co-Channel (dB)*	24.0	24.0	24.0	24.0
C/I Uplink Adjacent Satellite 1 (dB)	24.6	24.6	21.7	21.7
C/I Downlink Adjacent Satellite 1 (dB)	24.9	24.9	19.6	19.6
C/I Uplink Adjacent Satellite 2 (dB)	24.6	24.6	21.7	21.7
C/I Downlink Adjacent Satellite 2 (dB)	25.8	25.8	21.3	21.3
C/(N+I) Composite (dB)	13.8	11.0	10.1	7.1
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	12.8	10.0	9.1	6.1
Minimum Required C/N (dB)	-10.0	-10.0	-6.1	-6.1
Excess Link Margin (dB)	2.8	0.0	3.0	0.0
Number of Carriers	2	2	1	1
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-45.1	-45.1	-57.6	-58.1
Downlink EIRP Density At Beam Peak	-21.5	-21.5	-30.0	-30.0

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

EXHIBIT 5: Intelsat 602 C-to-Ku Band Link Budgets (continued)
(Hemi Uplink / Spot Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Hemi	Hemi	Hemi	Hemi
Uplink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Uplink SED (dBW/m ²)	-82.7	-82.7	-82.7	-82.7
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
ADJACENT SATELLITE 1				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITE 2				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	6M77G7W	6M77G7W	75K4G7W	75K4G7W
Carrier Modulation	OPSK	OPSK	OPSK	OPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a
Information Rate (kbps)	6000	6000	64	64
Code Rate	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	6771.1	6771.1	75.4	75.4
Allocated Bandwidth (kHz)	10300	10300	100	100
Minimum C/N, Clear Sky (dB)	3.9	3.9	3.0	3.0
Minimum C/N, Rain (dB)	3.5	3.5	2.8	2.8
UPLINK ANTENNA INFORMATION				
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	50.9	50.9	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK ANTENNA INFORMATION				
Earth Station Diameter (meters)	2.4	2.4	2.4	2.4
Earth Station Gain (dBi)	47.0	47.0	47.0	47.0
Earth Station G/T (dB/K)	24.5	22.3	24.5	22.3
Earth Station Elevation Angle	20	20	20	20
LINK FAD TYPE				
	Clear Skv	Downlink Fade	Clear Skv	Downlink Fade
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	64.0	64.0	43.7	43.7
Uplink Path Loss, Clear Skv (dB)	-200.1	-200.1	-200.1	-200.1
Uplink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
Satellite G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-48.8	-48.8
Uplink C/N (dB)	16.6	16.6	15.9	15.9
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	31.8	31.8	11.5	11.5
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Skv (dB)	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	-2.5	0.0	-2.5
Earth Station G/T (dB/K)	24.5	22.3	24.5	22.3
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-48.8	-48.8
Downlink C/N (dB)	10.6	5.9	9.9	5.1
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	16.6	16.6	15.9	15.9
C/N Downlink (dB)	10.6	5.9	9.9	5.1
C/I Intermodulation (dB)	23.3	23.3	22.5	22.5
C/I Uplink Co-Channel (dB)*	24.3	24.3	24.1	24.1
C/I Downlink Co-Channel (dB)*	24.3	24.3	24.1	24.1
C/I Uplink Adjacent Satellite 1 (dB)	18.7	18.7	17.9	17.9
C/I Downlink Adjacent Satellite 1 (dB)	17.1	17.1	16.3	16.3
C/I Uplink Adjacent Satellite 2 (dB)	18.7	18.7	17.9	17.9
C/I Downlink Adjacent Satellite 2 (dB)	18.8	18.8	18.0	18.0
C/(N+I) Composite (dB)	7.5	4.6	6.7	3.8
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	6.5	3.6	5.7	2.8
Minimum Required C/N (dB)	-3.9	-3.6	-3.0	-2.8
Excess Link Margin (dB)	2.6	0.0	2.7	0.0
Number of Carriers	6.6	6.6	708.6	708.6
Carrier Density Levels				
Uplink Power Density (dBW/Hz)	-55.1	-55.1	-55.9	-55.9
Downlink EIRP Density At Beam Peak	-32.5	-32.5	-33.3	-33.3

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

EXHIBIT 5: Intelsat 602 C-to-Ku Band Link Budgets (continued)
(Hemi Uplink / Spot Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Hemi	Hemi	Hemi	Hemi
Uplink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Uplink SFD (dBW/m ²)	-82.7	-82.7	-82.7	-82.7
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
ADJACENT SATELLITE 1				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITE 2				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	1M23G7W	1M23G7W	307KG7W	307KG7W
Carrier Modulation	BPSK	BPSK	BPSK	BPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a
Information Rate (kbps)	512	512	128	128
Code Rate	1/2	1/2	1/2	1/2
Occupied Bandwidth (kHz)	1229	1229	307	307
Allocated Bandwidth (kHz)	1450	1450	400	400
Minimum C/N, Clear Sky (dB)	3.4	3.4	3.4	3.4
Minimum C/N, Rain (dB)	2.7	2.7	2.7	2.7
UPLINK EARTH STATION				
Earth Station Diameter (meters)	7.0	7.0	2.4	2.4
Earth Station Gain (dBi)	50.9	50.9	41.8	41.8
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	2.4	2.4	7.0	7.0
Earth Station Gain (dBi)	47.0	47.0	56.5	56.5
Earth Station G/T (dB/K)	24.5	22.3	34.1	31.8
Earth Station Elevation Angle	20	20	20	20
Uplink Fade Type	Clear Sky	Downlink Fade	Clear Sky	Downlink Fade
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	55.7	55.7	44.0	44.0
Uplink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
Uplink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
Satellite G/T (dB/K)	-7.6	-7.6	-7.6	-7.6
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-60.9	-60.9	-54.9	-54.9
Uplink C/N (dB)	15.8	15.8	10.0	10.0
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	23.5	23.5	11.8	11.8
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	-2.5	0.0	-2.6
Earth Station G/T (dB/K)	24.5	22.3	34.1	31.8
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-60.9	-60.9	-54.9	-54.9
Downlink C/N (dB)	9.8	5.0	13.6	8.7
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	15.8	15.8	10.0	10.0
C/N Downlink (dB)	9.8	5.0	13.6	8.7
C/I Intermodulation (dB)	22.4	22.4	16.7	16.7
C/I Uplink Co-Channel (dB)*	24.5	24.5	18.3	18.3
C/I Downlink Co-Channel (dB)*	24.5	24.5	18.3	18.3
C/I Uplink Adjacent Satellite 1 (dB)	17.8	17.8	12.1	12.1
C/I Downlink Adjacent Satellite 1 (dB)	16.2	16.2	20.6	20.6
C/I Uplink Adjacent Satellite 2 (dB)	17.8	17.8	12.1	12.1
C/I Downlink Adjacent Satellite 2 (dB)	17.9	17.9	21.1	21.1
C/(N+I) Composite (dB)	6.6	3.7	4.8	3.7
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	5.6	2.7	3.8	2.7
Minimum Required C/N (dB)	-3.4	-2.7	-3.4	-2.7
Excess Link Margin (dB)	2.2	0.0	0.4	0.0
Number of Carriers	44.5	44.5	180	180
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-56.0	-56.0	-52.7	-52.7
Downlink EIRP Density At Beam Peak	-33.4	-33.4	-39.1	-39.1

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

EXHIBIT 5: Intelsat 602 C-to-Ku Band Link Budgets (continued)
(Zone Uplink / Spot Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Unlink Beam Name	Zone	Zone	Zone	Zone
Unlink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Unlink Beam Polarization	Circular	Circular	Circular	Circular
Unlink Relative Contour Level (dB)	-4	-4	-4	-4
Unlink Contour G/T (dB/K)	0.2	0.2	0.2	0.2
Unlink SFD (dBW/m ²)	-83.4	-83.4	-83.4	-83.4
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
SATELLITE 1 INFORMATION				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Unlink Power Density (dBW/Hz)	-45	-45	-45	-45
Unlink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
SATELLITE 2 INFORMATION				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Unlink Power Density (dBW/Hz)	-45	-45	-45	-45
Unlink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	36M0E3F	36M0E3F	60M3G7W	60M3G7W
Carrier Modulation	TV/FM	TV/FM	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	4	4	n/a	n/a
Information Rate (kbps)	n/a	n/a	73726	73726
Code Rate	n/a	n/a	3/4 - RS	3/4 - RS
Occupied Bandwidth (kHz)	36000	36000	60266	60266
Allocated Bandwidth (kHz)	36000	36000	72000	72000
Minimum C/N, Clear Sky (dB)	10	10	6.1	6.1
Minimum C/N, Rain (dB)	10	10	6.1	6.1
UPLINK EARTH STATION				
Earth Station Diameter (meters)	13.0	13.0	13.0	13.0
Earth Station Gain (dBi)	56.3	56.3	56.3	56.3
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	4.6	4.6	2.4	2.4
Earth Station Gain (dBi)	53.0	53.0	47.0	47.0
Earth Station G/T (dB/K)	30.5	28.0	24.5	22.2
Earth Station Elevation Angle	20	20	20	20
LINK FADING TYPE				
	Clear Sky	Downlink Fade	Clear Sky	Downlink Fade
UPLINK PERFORMANCE				
Unlink Earth Station EIRP (dBW)	76.5	76.5	75.8	75.8
Unlink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
Unlink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
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	-75.6	-77.8	-77.8
Unlink C/N (dB)	29.7	29.7	26.7	26.7
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	40.5	40.5	43.8	43.8
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	-3.1	0.0	-2.6
Earth Station G/T (dB/K)	30.5	28.0	24.5	22.2
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-75.6	-75.6	-77.8	-77.8
Downlink C/N (dB)	18.1	12.5	13.2	8.3
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	29.7	29.7	26.7	26.7
C/N Downlink (dB)	18.1	12.5	13.2	8.3
C/I Intermodulation (dB)	n/a	n/a	n/a	n/a
C/I Uplink Co-Channel (dB)*	24.0	24.0	24.0	24.0
C/I Downlink Co-Channel (dB)*	24.0	24.0	24.0	24.0
C/I Uplink Adjacent Satellite 1 (dB)	23.9	23.9	21.0	21.0
C/I Downlink Adjacent Satellite 1 (dB)	24.9	24.9	19.6	19.6
C/I Uplink Adjacent Satellite 2 (dB)	23.9	23.9	21.0	21.0
C/I Downlink Adjacent Satellite 2 (dB)	25.8	25.8	21.3	21.3
C/(N+I) Composite (dB)	14.1	11.0	10.3	7.1
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	13.1	10.0	9.3	6.1
Minimum Required C/N (dB)	-10.0	-10.0	-6.1	-6.1
Excess Link Margin (dB)	3.1	0.0	3.2	0.0
Number of Carriers	2	2	1	1
CARRIER DENSITY LEVELS				
Unlink Power Density (dBW/Hz)	-45.8	-45.8	-58.3	-58.3
Downlink EIRP Density At Beam Peak	-21.5	-21.5	-30.0	-30.0

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

EXHIBIT 5: Intelsat 602 C-to-Ku Band Link Budgets (continued)
(Zone Uplink / Spot Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Zone	Zone	Zone	Zone
Uplink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	0.2	0.2	0.2	0.2
Uplink SED (dBW/m ²)	-83.4	-83.4	-83.4	-83.4
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
SATELLITE ORBITAL INFORMATION				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	6M77G7W	6M77G7W	75K4G7W	75K4G7W
Carrier Modulation	QPSK	QPSK	QPSK	QPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a
Information Rate (kbps)	6000	6000	64	64
Code Rate	1/2 - RS	1/2 - RS	1/2 - RS	1/2 - RS
Occupied Bandwidth (kHz)	6771.1	6771.1	75.4	75.4
Allocated Bandwidth (kHz)	10300	10300	100	100
Minimum C/N, Clear Sky (dB)	3.9	3.9	3.0	3.0
Minimum C/N, Rain (dB)	3.5	3.5	2.8	2.8
UPLINK EARTH STATION				
Earth Station Diameter (meters)	7.0	7.0	7.0	7.0
Earth Station Gain (dBi)	50.9	50.9	50.9	50.9
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	2.4	2.4	2.4	2.4
Earth Station Gain (dBi)	47.0	47.0	47.0	47.0
Earth Station G/T (dB/K)	24.5	22.3	24.5	22.3
Earth Station Elevation Angle	20	20	20	20
LINK FADING LEVELS				
	Clear Sky	Downlink Fade	Clear Sky	Downlink Fade
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	63.2	63.2	42.8	42.8
Uplink Path Loss, Clear Sky (dB)	-200.1	-200.1	-200.1	-200.1
Uplink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
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)	-68.3	-68.3	-48.8	-48.8
Uplink C/N (dB)	23.6	23.6	22.8	22.8
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	31.7	31.7	11.3	11.3
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Sky (dB)	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	-2.5	0.0	-2.5
Earth Station G/T (dB/K)	24.5	22.3	24.5	22.3
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-68.3	-68.3	-48.8	-48.8
Downlink C/N (dB)	10.5	5.8	9.7	5.0
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	23.6	23.6	22.8	22.8
C/N Downlink (dB)	10.5	23.1	9.7	5.0
C/I Intermodulation (dB)	23.1	23.1	22.3	22.3
C/I Uplink Co-Channel (dB)*	24.1	24.1	23.9	23.9
C/I Downlink Co-Channel (dB)*	24.1	24.1	23.9	23.9
C/I Uplink Adjacent Satellite 1 (dB)	17.9	17.9	17.1	17.1
C/I Downlink Adjacent Satellite 1 (dB)	16.9	16.9	16.1	16.1
C/I Uplink Adjacent Satellite 2 (dB)	17.9	17.9	17.1	17.1
C/I Downlink Adjacent Satellite 2 (dB)	18.6	18.6	17.8	17.8
C/(N+I) Composite (dB)	7.6	4.6	6.8	3.8
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	6.6	3.6	5.8	2.8
Minimum Required C/N (dB)	-3.9	-3.6	-3.0	-2.8
Excess Link Margin (dB)	2.7	0.0	2.8	0.0
Number of Carriers	6.8	6.8	720	720
CARRIER DENSITY LEVELS				
Uplink Power Density (dBW/Hz)	-56.0	-56.0	-56.8	-56.8
Downlink EIRP Density At Beam Peak	-32.6	-32.6	-33.4	-33.4

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

EXHIBIT 5: Intelsat 602 C-to-Ku Band Link Budgets (continued)
(Zone Uplink / Spot Downlink - 72 MHz Channel Bandwidth)

UPLINK BEAM INFORMATION				
Uplink Beam Name	Zone	Zone	Zone	Zone
Uplink Frequency (MHz)	5934 - 6256	5934 - 6256	5934 - 6256	5934 - 6256
Uplink Beam Polarization	Circular	Circular	Circular	Circular
Uplink Relative Contour Level (dB)	-4	-4	-4	-4
Uplink Contour G/T (dB/K)	0.2	0.2	0.2	0.2
Uplink SFD (dBW/m ²)	-83.4	-83.4	-83.4	-83.4
Rain Rate (mm/hr)	N/A	N/A	N/A	N/A
DOWNLINK BEAM INFORMATION				
Downlink Beam Name	Spot	Spot	Spot	Spot
Downlink Frequency (MHz)	10950 - 11700	10950 - 11700	10950 - 11700	10950 - 11700
Downlink Beam Polarization	Linear	Linear	Linear	Linear
Downlink Relative Contour Level (dB)	-4	-4	-4	-4
Downlink Contour EIRP (dBW)	44.8	44.8	44.8	44.8
Rain Rate (mm/hr)	95.0	95.0	95.0	95.0
ADJACENT SATELLITES				
Satellite 1 Orbital Location	155 EL	155 EL	155 EL	155 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
ADJACENT SATELLITES				
Satellite 2 Orbital Location	159 EL	159 EL	159 EL	159 EL
Uplink Power Density (dBW/Hz)	-45	-45	-45	-45
Uplink Polarization Advantage (dB)	0	0	0	0
Downlink EIRP Density (dBW/Hz)	-28.9	-28.9	-28.9	-28.9
Downlink Polarization Advantage (dB)	0	0	0	0
CARRIER INFORMATION				
Carrier ID	1M23G7W	1M23G7W	307KG7W	307KG7W
Carrier Modulation	BPSK	BPSK	BPSK	BPSK
Peak to Peak Bandwidth of EDS (MHz)	n/a	n/a	n/a	n/a
Information Rate (kbps)	512	512	128	128
Code Rate	1/2	1/2	1/2	1/2
Occupied Bandwidth (kHz)	1229	1229	307	307
Allocated Bandwidth (kHz)	1450	1450	400	400
Minimum C/N, Clear Skv (dB)	3.4	3.4	3.4	3.4
Minimum C/N, Rain (dB)	2.7	2.7	2.7	2.7
EARTH STATION				
Earth Station Diameter (meters)	7.0	7.0	2.4	2.4
Earth Station Gain (dBi)	50.9	50.9	41.8	41.8
Earth Station Elevation Angle	20	20	20	20
DOWNLINK EARTH STATION				
Earth Station Diameter (meters)	2.4	2.4	7.0	7.0
Earth Station Gain (dBi)	47.0	47.0	56.5	56.5
Earth Station G/T (dB/K)	24.5	22.3	34.1	31.8
Earth Station Elevation Angle	20	20	20	20
LINK TYPE				
	Clear Skv	Downlink Fade	Clear Skv	Downlink Fade
UPLINK PERFORMANCE				
Uplink Earth Station EIRP (dBW)	54.9	54.9	42.6	42.6
Uplink Path Loss, Clear Skv (dB)	-200.1	-200.1	-200.1	-200.1
Uplink Rain Attenuation (dB)	0.0	0.0	0.0	0.0
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)	-60.9	-60.9	-54.9	-54.9
Uplink C/N (dB)	22.7	22.7	16.4	16.4
DOWNLINK PERFORMANCE				
Downlink EIRP per Carrier (dBW)	23.4	23.4	11.1	11.1
Antenna Pointing Error (dB)	-0.5	-0.5	-0.5	-0.5
Downlink Path Loss, Clear Skv (dB)	-205.5	-205.5	-205.5	-205.5
Downlink Rain Attenuation (dB)	0.0	-2.5	0.0	-2.6
Earth Station G/T (dB/K)	24.5	22.3	34.1	31.8
Boltzman Constant (dBW/K-Hz)	228.6	228.6	228.6	228.6
Carrier Noise Bandwidth (dB-Hz)	-60.9	-60.9	-54.9	-54.9
Downlink C/N (dB)	9.6	4.9	13.0	8.1
COMPOSITE LINK PERFORMANCE				
C/N Uplink (dB)	22.7	22.7	16.4	16.4
C/N Downlink (dB)	9.6	4.9	13.0	8.1
C/I Intermodulation (dB)	22.2	22.2	16.0	16.0
C/I Uplink Co-Channel (dB)*	24.3	24.3	17.6	17.6
C/I Downlink Co-Channel (dB)*	24.3	24.3	17.6	17.6
C/I Uplink Adjacent Satellite 1 (dB)	17.0	17.0	10.7	10.7
C/I Downlink Adjacent Satellite 1 (dB)	16.0	16.0	19.9	19.9
C/I Uplink Adjacent Satellite 2 (dB)	17.0	17.0	10.7	10.7
C/I Downlink Adjacent Satellite 2 (dB)	17.7	17.7	20.4	20.4
C/(N+I) Composite (dB)	6.8	3.7	4.9	3.7
Required System Margin (dB)	-1.0	-1.0	-1.0	-1.0
Net C/(N+I) Composite (dB)	5.8	2.7	3.9	2.7
Minimum Required C/N (dB)	-3.4	-2.7	-3.4	-2.7
Excess Link Margin (dB)	2.4	0.0	0.5	0.0
Number of Carriers	46.2	46.2	180	180
CARRIER DENSITY LEVEL				
Uplink Power Density (dBW/Hz)	-56.9	-56.9	-54.0	-54.0
Downlink EIRP Density At Beam Peak	-33.5	-33.5	-39.8	-39.8

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