

S1. GENERAL INFORMATION Complete for all satellite applications.

a. Space Station or Satellite Network Name: ANIK F3		e. Estimated Date of Placement into Service: 9/15/2006		i. Will the space station(s) operate on a Common Carrier Basis: N	
b. Construction Commencement Date: 3/31/2004		f. Estimated Lifetime of Satellite(s): 15 Years		j. Number of transponders offered on a common carrier basis: 0	
c. Construction Completion Date: 6/30/2006		g. Total Number of Transponders: 56		k. Total Common Carrier Transponder Bandwidth: 0 MHz	
d1. Est Launch Date Begin: 7/1/2006	d2. Est Launch Date End: 8/31/2006	h. Total Transponder Bandwidth (no. transponders x Bandwidth) 1728 MHz		i. Orbit Type: Mark all boxes that apply: <input checked="" type="checkbox"/> GSO <input type="checkbox"/> NGSO	

S2. OPERATING FREQUENCY BANDS Identify the frequency range and transmit/receive mode for all frequency bands in which this station will oper
Also indicate the nature of service(s) for each frequency band.

Frequency Band Limits				e. T/R Mode	f. Nature of Service(s): List all that apply to this band
Lower Frequency (.Hz)		Upper Frequency (.Hz)			
a. Numeric	b. Unit (K/M/G)	c. Numeric	d. Unit (K/M/G)		
3700	M	4200	M	T	Fixed Satellite Service
5925	M	6425	M	R	Fixed Satellite Service
11.7	G	12.2	G	T	Fixed Satellite Service
14	G	14.5	G	R	Fixed Satellite Service

S3. ORBITAL INFORMATION FOR GEOSTATIONARY SATELLITES ONLY:

a. Nominal Orbital Longitude (Degrees E/W): 118.7 W		b. Alternate Orbital Longitude (Degrees E/W):		c. Reason for orbital location selection: The authorization for this position was granted by the Canadian administration. Under this application, Telesat is only seeking authorization to provide services to the US territories.	
Longitudinal Tolerance or E/W Station-Keeping:		f. Inclination Excursion or N/S Station-Keeping Tolerance: 0.05 Degrees	Range of orbital are in which adequate service can be provided (Optional): <u> </u> Degrees <u> </u> E/W		
d. Toward West:	0.05 Degrees		g. Westernmost: h. Easternmost:		
e. Toward East:		0.05 Degrees			
i. Reason for service are selection (Optional):					

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S4. ORBITAL INFORMATION FOR NON-GEOSTATIONARY SATELLITES ONLY

S4a. Total Number of Satellites in Network or System:

S4c. Celestial Reference Body (Earth, Sun, Moon, etc.):

S4b. Total Number of Orbital Planes in Network or System:

S4d. Orbit Epoch Date:

For each Orbital Plane Provide:

(e) Orbital Plane No.	(f) No. of Satellites in Plane	(g) Inclination Angle (degrees)	(h) Orbital Period (Seconds)	(i) Apogee (km)	(j) Perigee (km)	(k) Right Ascension of the Ascending Node (Deg.)	(l) Argument of Perigee (Degrees)	Active Service Arc Range (Degrees)		
								(m) Begin Angle	(n) End Angle	(o) Other

S5. INITIAL SATELLITE PHASE ANGLE For each satellite in each orbital plane, provide the initial phase angle.

(a) Orbital Plane No.	(b) Satellite Number	(c) Initial Phase Angle (Degrees)

NO NGSO DATA FILED

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S6. SERVICE AREA CHARACTERISTICS for each service area provide:

(a) Service Area ID	(b) Type of Associated Station (Earth or Space)	(c) Service Area Diagram File Name (GXT File)	(d) Service Area Description. Provide list of geographic areas (state postal codes or ITU 3-ltr codes), satellites or Figure No. of Service Area Diagram.
1	S	F3-Service Area 1.gxt	CAN, USA, ALS, HWA

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S7. SPACE STATION ANTENNA BEAM CHARACTERISTICS For each antenna beam provide:

(a) Beam ID	(b) T/R Mode	Isotropic Antenna Gain		(e) Pointing Error (Degrees)	(f) Rotational Error (Degrees)	(g) Min. Cross- Polar Iso- lation (dB)	(h) Polar- ization Switch- able? (Y/N)	(i) Polarization Alignment Rel. Equatorial Plane (Degrees)	(j) Service Area ID	Transmit			Receive			Input Attenuator (dB)	
										(k) Input Losses (dB)	(l) Effective Output Power (W)	(m) Max. EIRP (dBW)	(n) System Noise Temp (k)	(o) G/T Max. Gain Pt. (db/K)	(p) Min. Saturation Flux Density (dBW/m2)	(q) Max. Value	(r) Step Size
		(c) Peak (dBi)	(d) Edge (dBi)														
CNT	T	28.6	18.6	0.1	0	30	N	0	1	1.5	40	43.2					
CNT	T	28.6	18.6	0.1	0	30	N	90	1	1.5	40	43.2					
CNR	R	28.4	18.4	0.1	0	30	N	0	1				500	1.4	-100.4	20	1
CNR	R	28.4	18.4	0.1	0	30	N	90	1				500	1.4	-100.4	20	1
KNT	T	34.1	19.1	0.1	0	30	N	0	1	2	130	54					
KNT	T	34.1	19.1	0.1	0	30	N	90	1	2	130	54					
KNTL	T	33.7	23.7	0.1	0	30	N		1	2	130	53					
KNT	T	33.7	23.7	0.1	0	30	N		1	2	130	53					
KNR	R	36.4	21.4	0.1	0	30	N	0	1				520	9.2	-103.4	20	1
KNR	R	36.4	21.4	0.1	0	30	N	90	1				520	9.2	-103.4	20	1

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S8. ANTENNA BEAM DIAGRAMS For each beam pattern provide the reference to the graphic image and numerical data:
Also provide the power flux density levels in each beam that result from the emission with the highest power flux density.

(a) Beam ID	(b) T/R Mode	(c) Co-or Cross Polar Mode ("C" or" X")	(d) GSO Ref. Orbital Longitude (Deg. E/W)	(e) NGSO Antenna Gain Contour Description (Figure/Table/ Exhibit)	(f) GSO Antenna Gain Contour Data (GXT File)	Max. Power Flux Density (dBW/M2/Hz)				
						At Angle of Arrival above horizontal (for emission with highest PFD)				
						(g) 5 Deg	(h) 10 Deg	(i) 15 Deg	(j) 20 Deg	(k) 25 Deg
CNT	T	C	-118.7		F3-CNTH.gxt	-152.4	-152.3	-152.15	-152	-151.45
CNT	T	C	-118.7		F3-CNTV.gxt	-152.4	-152.3	-152.15	-152	-151.45
CNR	R	C	-118.7		F3-CNRH.gxt					
CNR	R	C	-118.7		F3-CNRV.gxt					
CNT	T	X	-118.7		F3-CNTH-XP.gxt					
CNT	T	X	-118.7		F3-CNTV-XP.gxt					
CNR	R	X	-118.7		F3-CNRH-XP.gxt					
CNR	R	X	-118.7		F3-CNRV-XP.gxt					
KNT	T	C	-118.7		F3-KNTH.gxt					
KNT	T	C	-118.7		F3-KNTV.gxt					
KNTL	T	C	-118.7		F3-KNTL.gxt					
KNT	T	C	-118.7		F3-KNTR.gxt					
KNR	R	C	-118.7		F3-KNRH.gxt					
KNR	R	C	-118.7		F3-KNRV.gxt					
KNT	T	X	-118.7		F3-KNTH-XP.gxt					
KNT	T	X	-118.7		F3-KNTV-XP.gxt					
KNTL	T	X	-118.7		F3-KNTL-XP.gxt					
KNT	T	X	-118.7		F3-KNTR-XP.gxt					
KNR	R	X	-118.7		F3-KNRH-XP.gxt					
KNR	R	X	-118.7		F3-KNRV-XP.gxt					

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S9. SPACE STATION CHANNELS For each frequency channel provide: S10. SPACE STATION TRANSPONDERS For each transponder provide:

(a) Channel No.	(B) Assigned Bandwidth (kHz)	(c) T/R Mode	(d) Center Frequency (MHz)	(e) Polarization (H, V, L, R)	(f) TTC or Comm Channel (T or C)
1A	36000	T	3720	H	C
2A	36000	T	3760	H	C
3A	36000	T	3800	H	C
4A	36000	T	3840	H	C
5A	36000	T	3880	H	C
6A	36000	T	3920	H	C
7A	36000	T	3960	H	C
8A	36000	T	4000	H	C
9A	36000	T	4040	H	C
10A	36000	T	4080	H	C
11A	36000	T	4120	H	C
12A	36000	T	4160	H	C
1B	36000	T	3740	V	C
2B	36000	T	3780	V	C
3B	36000	T	3820	V	C
4B	36000	T	3860	V	C
5B	36000	T	3900	V	C
6B	36000	T	3940	V	C
7B	36000	T	3980	V	C
8B	36000	T	4020	V	C
9B	36000	T	4060	V	C
10B	36000	T	4100	V	C
11B	36000	T	4140	V	C
12B	36000	T	4180	V	C
1AR	36000	R	5945	V	C
2AR	36000	R	5985	V	C
3AR	36000	R	6025	V	C
4AR	36000	R	6065	V	C
5AR	36000	R	6105	V	C
6AR	36000	R	6145	V	C

(a) Transponder ID	(b) Transponder Gain (dB)	Receive Band		Transmit Band	
		(c) Channel No.	(d) Beam ID	(e) Channel No.	(f) Beam ID
1A	124	1AR	CNRV	1A	CNTH
2A	124	2AR	CNRV	2A	CNTH
3A	124	3AR	CNRV	3A	CNTH
4A	124	4AR	CNRV	4A	CNTH
5A	124	5AR	CNRV	5A	CNTH
6A	124	6AR	CNRV	6A	CNTH
7A	124	7AR	CNRV	7A	CNTH
8A	124	8AR	CNRV	8A	CNTH
9A	124	9AR	CNRV	9A	CNTH
10A	124	10AR	CNRV	10A	CNTH
11A	124	11AR	CNRV	11A	CNTH
12A	124	12AR	CNRV	12A	CNTH
1B	124	1BR	CNRH	1B	CNTV
2B	124	2BR	CNRH	2B	CNTV
3B	124	3BR	CNRH	3B	CNTV
4B	124	4BR	CNRH	4B	CNTV
5B	124	5BR	CNRH	5B	CNTV
6B	124	6BR	CNRH	6B	CNTV
7B	124	7BR	CNRH	7B	CNTV
8B	124	8BR	CNRH	8B	CNTV
9B	124	9BR	CNRH	9B	CNTV
10B	124	10BR	CNRH	10B	CNTV
11B	124	11BR	CNRH	11B	CNTV
12B	124	12BR	CNRH	12B	CNTV
T1	132.7	T1R	KNRH	T1	KNTV
T2	132.7	T2R	KNRH	T2	KNTV
T3	132.7	T3R	KNRH	T3	KNTV
T4	132.7	T4R	KNRH	T4	KNTV
T5	132.7	T5R	KNRH	T5	KNTV
T6	132.7	T6R	KNRH	T6	KNTV

7AR	36000	R	6185	V	C
8AR	36000	R	6225	V	C
9AR	36000	R	6265	V	C
10AR	36000	R	6305	V	C
11AR	36000	R	6345	V	C
12AR	36000	R	6385	V	C
1BR	36000	R	5965	H	C
2BR	36000	R	6005	H	C
3BR	36000	R	6045	H	C
4BR	36000	R	6085	H	C
5BR	36000	R	6125	H	C
6BR	36000	R	6165	H	C
7BR	36000	R	6205	H	C
8BR	36000	R	6245	H	C
9BR	36000	R	6285	H	C
10BR	36000	R	6325	H	C
11BR	36000	R	6365	H	C
12BR	36000	R	6405	H	C
T1	27000	T	11714.75	V	C
T2	27000	T	11745.25	V	C
T3	27000	T	11775.75	V	C
T4	27000	T	11806.25	V	C
T5	27000	T	11836.75	V	C
T6	27000	T	11867.25	V	C
T7	27000	T	11897.75	V	C
T8	27000	T	11928.25	V	C
T9	27000	T	11958.75	V	C
T10	27000	T	11989.25	V	C
T11	27000	T	12019.75	V	C
T12	27000	T	12050.25	V	C
T13	27000	T	12080.75	V	C
T14	27000	T	12111.25	V	C
T15	27000	T	12141.75	V	C
T16	27000	T	12172.25	V	C
T17	27000	T	11727.75	H	C
T18	27000	T	11758.25	H	C
T19	27000	T	11788.75	H	C
T20	27000	T	11819.25	H	C
T21	27000	T	11849.75	H	C

T7	132.7	T7R	KNRH	T7	KNTV
T8	132.7	T8R	KNRH	T8	KNTV
T9	132.7	T9R	KNRH	T9	KNTV
T10	132.7	T10R	KNRH	T10	KNTV
T11	132.7	T11R	KNRH	T11	KNTV
T12	132.7	T12R	KNRH	T12	KNTV
T13	132.7	T13R	KNRH	T13	KNTV
T14	132.7	T14R	KNRH	T14	KNTV
T15	132.7	T15R	KNRH	T15	KNTV
T16	132.7	T16R	KNRH	T16	KNTV
T17	132.7	T17R	KNRV	T17	KNTH
T18	132.7	T18R	KNRV	T18	KNTH
T19	132.7	T19R	KNRV	T19	KNTH
T20	132.7	T20R	KNRV	T20	KNTH
T21	132.7	T21R	KNRV	T21	KNTH
T22	132.7	T22R	KNRV	T22	KNTH
T23	132.7	T23R	KNRV	T23	KNTH
T24	132.7	T24R	KNRV	T24	KNTH
T25	132.7	T25R	KNRV	T25	KNTH
T26	132.7	T26R	KNRV	T26	KNTH
T27	132.7	T27R	KNRV	T27	KNTH
T28	132.7	T28R	KNRV	T28	KNTH
T29	132.7	T29R	KNRV	T29	KNTH
T30	132.7	T30R	KNRV	T30	KNTH
T31	132.7	T31R	KNRV	T31	KNTH
T32	132.7	T32R	KNRV	T32	KNTH
CT1	132.3	T1R	KNRH	CT1	KNTR
CT2	132.3	T2R	KNRH	CT2	KNTR
CT3	132.3	T3R	KNRH	CT3	KNTR
CT4	132.3	T4R	KNRH	CT4	KNTR
CT5	132.3	T5R	KNRH	CT5	KNTR
CT6	132.3	T6R	KNRH	CT6	KNTR
CT7	132.3	T7R	KNRH	CT7	KNTR
CT8	132.3	T8R	KNRH	CT8	KNTR
CT9	132.3	T9R	KNRH	CT9	KNTR
CT10	132.3	T10R	KNRH	CT10	KNTR
CT11	132.3	T11R	KNRH	CT11	KNTR
CT12	132.3	T12R	KNRH	CT12	KNTR
CT13	132.3	T13R	KNRH	CT13	KNTR

T22	27000	T	11880.25	H	C
T23	27000	T	11910.75	H	C
T24	27000	T	11941.25	H	C
T25	27000	T	11971.75	H	C
T26	27000	T	12002.25	H	C
T27	27000	T	12032.75	H	C
T28	27000	T	12063.25	H	C
T29	27000	T	12093.75	H	C
T30	27000	T	12124.25	H	C
T31	27000	T	12154.75	H	C
T32	27000	T	12185.25	H	C
CT1	27000	T	11714.25	R	C
CT2	27000	T	11744.75	R	C
CT3	27000	T	11775.25	R	C
CT4	27000	T	11805.75	R	C
CT5	27000	T	11836.25	R	C
CT6	27000	T	11866.75	R	C
CT7	27000	T	11897.25	R	C
CT8	27000	T	11927.75	R	C
CT9	27000	T	11958.25	R	C
CT10	27000	T	11988.75	R	C
CT11	27000	T	12019.25	R	C
CT12	27000	T	12049.75	R	C
CT13	27000	T	12080.25	R	C
CT14	27000	T	12110.75	R	C
CT15	27000	T	12141.25	R	C
CT16	27000	T	12171.75	R	C
CT17	27000	T	11727.75	L	C
CT18	27000	T	11758.25	L	C
CT19	27000	T	11788.75	L	C
CT20	27000	T	11819.25	L	C
CT21	27000	T	11849.75	L	C
CT22	27000	T	11880.25	L	C
CT23	27000	T	11910.75	L	C
CT24	27000	T	11941.25	L	C
CT25	27000	T	11971.75	L	C
CT26	27000	T	12002.25	L	C
CT27	27000	T	12032.75	L	C
CT28	27000	T	12063.25	L	C

CT14	132.3	T14R	KNRH	CT14	KNTR
CT15	132.3	T15R	KNRH	CT15	KNTR
CT16	132.3	T16R	KNRH	CT16	KNTR
CT17	132.3	T17R	KNRV	CT17	KNTL
CT18	132.3	T18R	KNRV	CT18	KNTL
CT19	132.3	T19R	KNRV	CT19	KNTL
CT20	132.3	T20R	KNRV	CT20	KNTL
CT21	132.3	T21R	KNRV	CT21	KNTL
CT22	132.3	T22R	KNRV	CT22	KNTL
CT23	132.3	T23R	KNRV	CT23	KNTL
CT24	132.3	T24R	KNRV	CT24	KNTL
CT25	132.3	T25R	KNRV	CT25	KNTL
CT26	132.3	T26R	KNRV	CT26	KNTL
CT27	132.3	T27R	KNRV	CT27	KNTL
CT28	132.3	T28R	KNRV	CT28	KNTL
CT29	132.3	T29R	KNRV	CT29	KNTL
CT30	132.3	T30R	KNRV	CT30	KNTL
CT31	132.3	T31R	KNRV	CT31	KNTL
CT32	132.3	T32R	KNRV	CT32	KNTL
CM1		CM1	KNRH		
CM2		CM2	KNRH		
CM3		CM3	KNRH		
CM4		CM4	KNRH		
TM1				TM1	KNTH
TM2				TM2	KNTH
TM3				TM3	KNTH
TM4				TM4	KNTH

CT29	27000	T	12093.75	L	C
CT30	27000	T	12124.25	L	C
CT31	27000	T	12154.75	L	C
CT32	27000	T	12185.25	L	C
T1R	27000	R	14014.75	H	C
T2R	27000	R	14045.25	H	C
T3R	27000	R	14075.75	H	C
T4R	27000	R	14106.25	H	C
T5R	27000	R	14136.75	H	C
T6R	27000	R	14167.25	H	C
T7R	27000	R	14197.75	H	C
T8R	27000	R	14228.25	H	C
T9R	27000	R	14258.75	H	C
T10R	27000	R	14289.25	H	C
T11R	27000	R	14319.75	H	C
T12R	27000	R	14350.25	H	C
T13R	27000	R	14380.75	H	C
T14R	27000	R	14411.25	H	C
T15R	27000	R	14441.75	H	C
T16R	27000	R	14472.25	H	C
T17R	27000	R	14027.75	V	C
T18R	27000	R	14058.25	V	C
T19R	27000	R	14088.75	V	C
T20R	27000	R	14119.25	V	C
T21R	27000	R	14149.75	V	C
T22R	27000	R	14180.25	V	C
T23R	27000	R	14210.75	V	C
T24R	27000	R	14241.25	V	C
T25R	27000	R	14271.75	V	C
T26R	27000	R	14302.25	V	C
T27R	27000	R	14332.75	V	C
T28R	27000	R	14363.25	V	C
T29R	27000	R	14393.75	V	C
T30R	27000	R	14424.25	V	C
T31R	27000	R	14454.75	V	C
T32R	27000	R	14485.25	V	C
CM1	1500	R	14496	H	T
CM2	1500	R	14496	L	T
CM3	1500	R	14498	H	T

CM4	1500	R	14498	L	T
TM1	500	T	11701.75	H	T
TM2	500	T	11701.75	L	T
TM3	500	T	11702.25	H	T
TM4	500	T	11702.25	L	T

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S11. DIGITAL MODULATION PARAMETERS For each digital emission provide:

(a) Digital Mod. ID	(b) Emission Designator	(c) Assigned Bandwidth (kHz)	(d) No. of Phases	(e) Uncoded Data Rate (kbps)	(f) FEC Error Correction Coding Rate	(g) CDMA Processing Gain (dB)	(h) Total C/N Performance Objective (dB)	(i) Single Entry C/I Objective (dB)
DC1	160KG7D	160	2	64	0.5		2.8	20
DC2	33M3G7D	33300	4	44736	0.875		9.8	25
DC3	4M33G7D	4330	4	6312	0.875		6.4	24
DC4	24K0G7D	24	4	19.2	0.5		2.8	20
DC5	26K7G7D	26.7	4	32	0.75		8.3	25
DC6	80K0G7D	80	2	56	0.875		7	24
DC7	640KG7D	640	2	256	0.5		2.8	20
DC8	6M10G7W	6100	4	6740	0.75		6.4	24
DC9	106KG7D	106	4	128	0.75		2.8	20
DC10	30M0G7W	30000	4	34600	0.75		6.1	23
DC11	8M00G7D	8000	4	10750	0.875		9.8	25
DK1	26K7G1E	26.7	4	32	0.75		5.3	22
DK2	32K0G7D	32	2	19.2	0.75		5.3	22
DK3	80K0G7D	80	2	56	0.875		7	24
DK4	160KG7D	160	2	64	0.5		2.8	20
DK5	320KG7D	320	2	192	0.75		2.8	20
DK6	640KG7D	640	2	256	0.5		2.8	20
DK7	1M28G7D	1280	2	512	0.5		2.8	20
DK8	23M9G7D	23900	4	32064	0.875		6.7	25
DK9	1M85G7D	1850	4	2048	0.75		6.1	23
DK10	5M48G7D	5480	4	6312	0.75		6.1	23
DK11	6M10G7W	6100	4	6740	0.75		6.4	25
DK12	24M0G7W	24000	4	24575	0.667		6.1	23
TLM	300KG1D	300		4.1			9.8	25

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S13. TYPICAL EMISSIONS For each planned type of emission provide:

Associated Transponder ID Range (a) Start (b) End		Modulation ID		(e) Carriers per Transponder	(f) Carrier Spacing (kHz)	(g) Noise Budget Reference (Table No.)	(h) Energy Dispersal Bandwidth (kHz)	Receive Band (Assoc. Transmit Stn)			Transmit Band (This Space Station)			
		(c) Digital (Table S11)	(d) Analog (Table S12)					(i) Assoc. Stn. Max. Antenna Gain (dBi)	Assoc. Station Transmit Power (dBW)		EIRP (dBW)		(n) Max. Power Flux Density (dBW/m ² /Hz)	(o) Assoc. Stn Rec. G/T (dB/K)
									(j) Min.	(k) Max.	(l) Min.	(m) Max.		
1A	12A	DC1		70	500	Typical C - KU		47.4	-2.3	1.7	15.6	19.6	-160.35	24.5
1B	12B	DC1		70	500	Typical C - KU		47.4	-2.3	1.7	15.6	19.6	-160.35	24.5
1A	12A	DC2		1		Typical C - KU		54.4	13.3	17.3	39.2	43.2	-160.05	31.5
1B	12B	DC2		1		Typical C - KU		54.4	13.3	17.3	39.2	43.2	-160.05	31.5
1A	12A	DC3		5	7200	Typical C - KU		47.4	9.3	13.3	26.8	30.8	-163.25	24.5
1B	12B	DC3		5	7200	Typical C - KU		47.4	9.3	13.3	26.8	30.8	-163.25	24.5
1A	12A	DC4		630	50	Typical C - KU		51.3	-15.5	-11.5	5.8	9.8	-161.65	24.5
1B	12B	DC4		630	50	Typical C - KU		51.3	-15.5	-11.5	5.8	9.8	-161.65	24.5
1A	12A	DC5		350	100	Typical C - KU		51.3	-13	-9	8.3	12.3	-159.65	24.5
1B	12B	DC5		350	100	Typical C - KU		51.3	-13	-9	8.3	12.3	-159.65	24.5
1A	12A	DC6		140	250	Typical C - KU		51.3	-9	-5	12.3	16.3	-160.35	24.5
1B	12B	DC6		140	250	Typical C - KU		51.3	-9	-5	12.3	16.3	-160.35	24.5
1A	12A	DC7		18	2000	Typical C - KU		51.3	0.1	4.1	21.3	25.3	-160.35	24.5
1B	12B	DC7		18	2000	Typical C - KU		51.3	0.1	4.1	21.3	25.3	-160.35	24.5
1A	12A	DC8		3	12000	Typical C - KU		51.3	8	12	29.3	33.3	-162.25	24.5
1B	12B	DC8		3	12000	Typical C - KU		51.3	8	12	29.3	33.3	-162.25	24.5
1A	12A	DC9		112	300	Typical C - KU		52.4	-9.1	-5.1	13.3	17.3	-160.55	24.5
1B	12B	DC9		112	300	Typical C - KU		52.4	-9.1	-5.1	13.3	17.3	-160.55	24.5
1A	12A	DC10		1		Typical C - KU		52.4	14.9	18.9	39.2	43.2	-159.55	24.5
1B	12B	DC10		1		Typical C - KU		52.4	14.9	18.9	39.2	43.2	-159.55	24.5
1A	12A	DC11		3	12000	Typical C - KU		52.4	7.5	11.5	29.8	33.8	-162.85	28.4
1B	12B	DC11		3	12000	Typical C - KU		52.4	7.5	11.5	29.8	33.8	-162.85	28.4
1A	12A		FC1	1		Typical C - KU	2000	52.4	21.6	25.6	35.6	39.6	-151.45	29.5
1B	12B		FC1	1		Typical C - KU	2000	52.4	21.6	25.6	35.6	39.6	-151.45	29.5
T1	T32	DK1		1000	27	Typical C - KU		43.2	-13.5	-7.5	13	19		33
CT1	CT32	DK1		1000	27	Typical C - KU		43.2	-13.5	-7.5	12	18		33
T1	T32	DK2		840	32	Typical C - KU		43.2	-11.5	-4.5	15	21		31.2
CT1	CT32	DK2		840	32	Typical C - KU		43.2	-11.5	-4.5	14	20		31.2
T1	T32	DK3		340	80	Typical C - KU		43.2	-7.5	-1.5	19	25		31.2

CT1	CT32	DK3		340	80	Typical C - KU		43.2	-7.5	-1.5	18	24		31.2
T1	T32	DK4		170	160	Typical C - KU		43.2	-4.5	1.5	22	28		31.2
CT1	CT32	DK4		170	160	Typical C - KU		43.2	-4.5	1.5	21	27		31.2
T1	T32	DK5		85	320	Typical C - KU		43.2	-1.5	4.5	25	31		33
CT1	CT32	DK5		85	320	Typical C - KU		43.2	-1.5	4.5	24	30		33
T1	T32	DK6		42	640	Typical C - KU		46.7	2.1	8.1	28	34		25.6
CT1	CT32	DK6		42	640	Typical C - KU		46.7	2.1	8.1	27	33		25.6
T1	T32	DK7		21	1285	Typical C - KU		49.2	-0.3	5.7	28	34		33
CT1	CT32	DK7		21	1285	Typical C - KU		49.2	-0.3	5.7	27	33		33
T1	T32	DK8		1		Typical C - KU		54.7	13.2	19.2	48	54		31.1
CT1	CT32	DK8		1		Typical C - KU		54.7	13.2	19.2	47	53		31.1
T1	T32	DK9		14	1900	Typical C - KU		53	-2.2	3.8	29.5	35.5		29.5
CT1	CT32	DK9		14	1900	Typical C - KU		53	-2.2	3.8	28.5	34.5		29.5
T1	T32	DK10		4	6750	Typical C - KU		53	2.5	8.5	34.3	40.3		29.5
CT1	CT32	DK10		4	6750	Typical C - KU		53	2.5	8.5	33.3	39.3		29.5
T1	T32	DK11		4	6750	Typical C - KU		53	3	9	34.8	40.8		29.5
CT1	CT32	DK11		4	6750	Typical C - KU		53	3	9	33.8	39.8		29.5
T1	T32	DK12		1		Typical C - KU		60.7	9.2	13.2	48	54		17.9
CT1	CT32	DK12		1		Typical C - KU		60.7	9.2	13.2	47	53		17.9
T1	T32		FK1	1		Typical C - KU	400	53	18	21	48	54		31.1
TM1	TM4	TLM		1							7.5	15		37.1
CM1	CM4		TCM	1				60.7	18.3	28.3				

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S14. Is the space station(s) controlled and monitored remotely? If Yes, provide the location and telephone number of the TT and C control point(s): No

Remote Control (TT C) Location(s):

S14a: Street Address: Allan Park			
S14b. City: Allan Park	S14c. County: West Grey	S14d. State/Country ON	S14e. Zip Code: N4N 3B8
S14f. Telephone Number: 519 371-7490		S14g. Call Sign of Control Station (if appropriate):	

Remote Control (TT C) Location(s):

S14a: Street Address: Harrietsfield			
S14b. City: Harrietsfield	S14c. County:	S14d. State/Country NS	S14e. Zip Code: B3V 1B6
S14f. Telephone Number: 902 477-1825		S14g. Call Sign of Control Station (if appropriate):	

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Characteristics and
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S15. SPACECRAFT PHYSICAL CHARACTERISTICS:

S15a. Mass of spacecraft without fuel (kg): 2219	Spacecraft Dimensions (meters)	Probability of Survival to End of Life (0.0 - 1.0)
S15b. Mass of fuel and disposables at launch (kg): 2430		
S15c. Mass of spacecraft and fuel at launch (kg): 4640	S15f. Length (m): 3.33	S15i. Payload: 0.87
S15d. Mass of fuel, in orbit, at beginning of life (kg): 990	S15g. Width (m): 3.85	S15j. Bus: 0.86
S15e. Deployed Area of Solar Array (square meters): 69.5	S15h. Height (m): 5.36	S15k. Total: 0.75

S16. SPACECRAFT ELECTRICAL CHARACTERISTICS:

Spacecraft Subsystem	Electrical Power (Watts) At Beginning of Life		Electrical Power (Watts) At End of Life	
	At Equinox	At Solstice	At Equinox	At Solstice
Payload (Watts):	(a): 8444	(f): 8444	(k): 8444	(p): 8444
Bus (Watts):	(b): 1572	(g): 834	(l): 1572	(q): 834
Total (Watts):	(c): 10016	(h): 9278	(m): 10016	(r): 9278
Solar Array (Watts):	(d): 13598	(i): 11902	(n): 12062	(s): 10956
Depth of Battery Discharge (%):	(e) 71.7 %	(j) 0 %	(o) 71.7 %	(t) 0 %

S17. CERTIFICATIONS:

a. Are the power flux density limits of § 25.208 met?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
b. Are the appropriate service area coverage requirements of § 25.143(b)(ii) and (iii), or § 25.145(c)(1) and (2) met?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
c. Are the frequency tolerances of § 25.202(e) and the out-of-band emission limits of § 25.202(f)(1), (2) and (3) met?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A

In addition to the information required in this Form, the space station applicant is required to provide all the information specified in Section 25.114 of the Commission's rules, 47 C.F.R § 25.114.