

S1. GENERAL INFORMATION Complete for all satellite applications.

a. Space Station or Satellite Network Name: AMC-16		e. Estimated Date of Placement into Service: 2/8/2005		i. Will the space station(s) operate on a Common Carrier Basis: N	
b. Construction Commencement Date:		f. Estimated Lifetime of Satellite(s): 17 Years		j. Number of transponders offered on a common carrier basis: 0	
c. Construction Completion Date:		g. Total Number of Transponders: 10		k. Total Common Carrier Transponder Bandwidth: 0 MHz	
d1. Est Launch Date Begin:	d2. Est Launch Date End:	h. Total Transponder Bandwidth (no. transponders x Bandwidth) 1250 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)		
18600	M	18800	M	T	Direct to Home in the Fixed Fixed Satellite Service
19700	M	20200	M	T	Direct to Home in the Fixed Fixed Satellite Service
28400	M	28600	M	R	Fixed Satellite Service
29500	M	30000	M	R	Fixed Satellite Service
18600	M	18800	M	T	Fixed Satellite Service
19700	M	20200	M	T	Fixed Satellite Service

S3. ORBITAL INFORMATION FOR GEOSTATIONARY SATELLITES ONLY:

a. Nominal Orbital Longitude (Degrees E/W): 85 W		b. Alternate Orbital Longitude (Degrees E/W):		c. Reason for orbital location selection: This orbit location was selected to provide adequate elevation angles within CONUS.
Longitudinal Tolerance or E/W Station-Keeping:		f. Inclination Excursion or N/S Station-Keeping Tolerance:	Range of orbital are in which adequate service can be provided (Optional): g. Westernmost: h. Easternmost:	
d. Toward West:	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.
KAU	S		CONUS
KAD	E		CONUS

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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					
										(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)	Input Attenuator (dB)		
		(q) Max. Value	(r) Step Size															
1BD	T	43.62	35.62	0.15		23	N		KAD	1.7	58.21	61.27						
2BD	T	43.9	35.9	0.15		23	N		KAD	1.7	59.7	61.66						
3BD	T	43.15	35.15	0.15		23	N		KAD	1.7	63.1	61.15						
4BD	T	43.85	35.85	0.15		23	N		KAD	1.7	59.84	61.62						
5BD	T	43.66	35.66	0.15		23	N		KAD	1.7	61.09	61.52						
1AU	R	43.65	35.65	0.15		23	N		KAU				789	14.68	-114.18	18	1	
2AU	R	45.74	37.74	0.15		23	N		KAU				853	16.43	-115.93	18	1	
3AU	R	44.07	36.07	0.15		23	N		KAU				826	14.9	-114.4	18	1	
4AU	R	45	37	0.15		23	N		KAU				879	15.56	-115.06	18	1	
5AU	R	45.02	37.02	0.15		23	N		KAU				891	15.52	-115.02	18	1	
1BU	R	43.34	35.34	0.15		23	N		KAU				853	14.03	-113.53	18	1	
2BU	R	45.74	37.74	0.15		23	N		KAU				1052	15.52	-115.02	18	1	
3BU	R	43.59	35.59	0.15		23	N		KAU				794	14.59	-114.09	18	1	
4BU	R	44.68	36.68	0.15		23	N		KAU				789	15.71	-115.21	18	1	
5BU	R	44.71	36.71	0.15		23	N		KAU				857	15.38	-114.88	18	1	
1AD	T	43.16	35.16	0.15		23	N		KAD	1.7	56.75	60.7						
2AD	T	43.65	35.65	0.15		23	N		KAD	1.7	62.52	61.61						
3AD	T	44.01	36.01	0.15		23	N		KAD	1.7	62.52	61.97						
4AD	T	43.39	35.39	0.15		23	N		KAD	1.7	58.21	61.04						
5AD	T	43.96	35.96	0.15		23	N		KAD	1.7	59.02	61.67						

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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
1AU	R	C	-85		Beam 1A up.gxt					
2AU	R	C	-85		Beam 2A up.gxt					
3AU	R	C	-85		Beam 3A up.gxt					
4AU	R	C	-85		Beam 4A up.gxt					
5AU	R	C	-85		Beam 5A up.gxt					
1BU	R	C	-85		Beam 1B up.gxt					
2BU	R	C	-85		Beam 2B up.gxt					
3BU	R	C	-85		Beam 3B up.gxt					
4BU	R	C	-85		Beam 4B up.gxt					
5BU	R	C	-85		Beam 5B up.gxt					
1AD	T	C	-85		Beam 1A dn.gxt	-141.7	-141.6	-141.5	-141.3	-141.2
2AD	T	C	-85		Beam 2A dn.gxt	-140.8	-140.7	-140.5	-140.4	-140.3
3AD	T	C	-85		Beam 3A dn.gxt	-140.4	-140.3	-140.2	-140.1	-135
4AD	T	C	-85		Beam 4A dn.gxt	-141.3	-141.2	-141.1	-141	-140.9
5AD	T	C	-85		Beam 5A dn.gxt	-140.7	-140.6	-140.5	-140.4	-140.3
1BD	T	C	-85		Beam 1B dn.gxt	-141.1	-141	-140.9	-140.8	-140.7
2BD	T	C	-85		Beam 2B dn.gxt	-139.7	-136.5	-132.2	-127.5	-123.4
3BD	T	C	-85		Beam 3B dn.gxt	-136.4	-134.2	-130.3	-126.5	-123.3
4BD	T	C	-85		Beam 4B dn.gxt	-140.8	-140.6	-140.5	-140.4	-140.3
5BD	T	C	-85		Beam 5B dn.gxt	-125.3	-124.4	-122.6	-121.5	-120.8

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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)
1AUX	39000	R	28457.5	R	C
1AUY	39000	R	28500.5	R	C
1AUZ	39000	R	28543.5	R	C
1BUX	39000	R	28457.5	R	C
1BUY	39000	R	28500.5	R	C
1BUZ	39000	R	28543.5	R	C
2AUX	39000	R	29519.5	R	C
2AUY	39000	R	29562.5	R	C
2AUZ	39000	R	29605.5	R	C
2BUX	39000	R	29519.5	R	C
2BUY	39000	R	29562.5	R	C
2BUZ	39000	R	29605.5	R	C
3AUX	39000	R	29644.5	R	C
3AUY	39000	R	29687.5	R	C
3AUZ	39000	R	29730.5	R	C
3BUX	39000	R	29644.5	R	C
3BUY	39000	R	29687.5	R	C
3BUZ	39000	R	29730.5	R	C
4AUX	39000	R	29769.5	R	C
4AUY	39000	R	29812.5	R	C
4AUZ	39000	R	29855.5	R	C
4BUX	39000	R	29769.5	R	C
4BUY	39000	R	29812.5	R	C
4BUZ	39000	R	29855.5	R	C
5AUX	39000	R	29894.5	R	C
5AUY	39000	R	29937.5	R	C
5AUZ	39000	R	29980.5	R	C
5BUX	39000	R	29894.5	R	C
5BUY	39000	R	29937.5	R	C
5BUZ	39000	R	29980.5	R	C

(a) Transponder ID	(b) Transponder Gain (dB)	Receive Band		Transmit Band	
		(c) Channel No.	(d) Beam ID	(e) Channel No.	(f) Beam ID
1	128.3	1AUX	1AU	1ADX	1AD
2	128.3	1AUX	1AU	1ADY	1AD
3	128.3	1AUX	1AU	1ADZ	1AD
4	128.4	1AUX	1AU	1BDX	1BD
5	128.4	1AUX	1AU	1BDY	1BD
6	128.4	1AUX	1AU	1BDZ	1BD
7	128.7	1AUX	1AU	2ADX	2AD
8	128.7	1AUX	1AU	2ADY	2AD
9	128.7	1AUX	1AU	2ADZ	2AD
10	128.5	1AUX	1AU	2BDX	2BD
11	128.5	1AUX	1AU	2BDY	2BD
12	128.5	1AUX	1AU	2BDZ	2BD
13	128.7	1AUX	1AU	3ADX	3AD
14	128.7	1AUX	1AU	3ADY	3AD
15	128.7	1AUX	1AU	3ADZ	3AD
16	128.8	1AUX	1AU	3BDX	3BD
17	128.8	1AUX	1AU	3BDY	3BD
18	128.8	1AUX	1AU	3BDZ	3BD
19	128.4	1AUX	1AU	4ADX	4AD
20	128.4	1AUX	1AU	4ADY	4AD
21	128.4	1AUX	1AU	4ADZ	4AD
22	128.5	1AUX	1AU	4BDX	4BD
23	128.5	1AUX	1AU	4BDY	4BD
24	128.5	1AUX	1AU	4BDZ	4BD
25	128.5	1AUX	1AU	5ADX	5AD
26	128.5	1AUX	1AU	5ADY	5AD
27	128.5	1AUX	1AU	5ADZ	5AD
28	128.6	1AUX	1AU	5BDX	5BD
29	128.6	1AUX	1AU	5BDY	5BD
30	128.6	1AUX	1AU	5BDZ	5BD

1ADX	39000	T	18657.5	L	C
1ADY	39000	T	18700.5	L	C
1ADZ	39000	T	18743.5	L	C
1BDX	39000	T	18657.5	L	C
1BDY	39000	T	18700.5	L	C
1BDZ	39000	T	18743.5	L	C
2ADX	39000	T	19719.5	L	C
2ADY	39000	T	19762.5	L	C
2ADZ	39000	T	19805.5	L	C
2BDX	39000	T	19719.5	L	C
2BDY	39000	T	19762.5	L	C
2BDZ	39000	T	19805.5	L	C
3ADX	39000	T	19844.5	L	C
3ADY	39000	T	19887.5	L	C
3ADZ	39000	T	19930.5	L	C
3BDX	39000	T	19844.5	L	C
3BDY	39000	T	19887.5	L	C
3BDZ	39000	T	19930.5	L	C
4ADX	39000	T	19969.5	L	C
4ADY	39000	T	20012.5	L	C
4ADZ	39000	T	20055.5	L	C
4BDX	39000	T	19969.5	L	C
4BDY	39000	T	20012.5	L	C
4BDZ	39000	T	20055.5	L	C
5ADX	39000	T	20094.5	L	C
5ADY	39000	T	20137.5	L	C
5ADZ	39000	T	20180.5	L	C
5BDX	39000	T	20094.5	L	C
5BDY	39000	T	20137.5	L	C
5BDZ	39000	T	20180.5	L	C
1AUW	125000	R	28500.5	R	C
1BUW	125000	R	28500.5	R	C
2AUW	125000	R	29562.5	R	C
2BUW	125000	R	29562.5	R	C
3AUW	125000	R	29687.5	R	C
3BUW	125000	R	29687.5	R	C
4AUW	125000	R	29812.5	R	C
4BUW	125000	R	29812.5	R	C
5AUW	125000	R	29937.5	R	C

31	128.3	1AU	1AU	1ADX	1AD
32	128.3	1AU	1AU	1ADY	1AD
33	128.3	1AU	1AU	1ADZ	1AD
34	128.4	1AU	1AU	1BDX	1BD
35	128.4	1AU	1AU	1BDY	1BD
36	128.4	1AU	1AU	1BDZ	1BD
37	128.7	1AU	1AU	2ADX	2AD
38	128.7	1AU	1AU	2ADY	2AD
39	128.7	1AU	1AU	2ADZ	2AD
40	128.5	1AU	1AU	2BDX	2BD
41	128.5	1AU	1AU	2BDY	2BD
42	128.5	1AU	1AU	2BDZ	2BD
43	128.7	1AU	1AU	3ADX	3AD
44	128.7	1AU	1AU	3ADY	3AD
45	128.7	1AU	1AU	3ADZ	3AD
46	128.8	1AU	1AU	3BDX	3BD
47	128.8	1AU	1AU	3BDY	3BD
48	128.8	1AU	1AU	3BDZ	3BD
49	128.4	1AU	1AU	4ADX	4AD
50	128.4	1AU	1AU	4ADY	4AD
51	128.4	1AU	1AU	4ADZ	4AD
52	128.5	1AU	1AU	4BDX	4BD
53	128.5	1AU	1AU	4BDY	4BD
54	128.5	1AU	1AU	4BDZ	4BD
55	128.5	1AU	1AU	5ADX	5AD
56	128.5	1AU	1AU	5ADY	5AD
57	128.5	1AU	1AU	5ADZ	5AD
58	128.6	1AU	1AU	5BDX	5BD
59	128.6	1AU	1AU	5BDY	5BD
60	128.6	1AU	1AU	5BDZ	5BD
61	128.3	1AUZ	1AU	1ADX	1AD
62	128.3	1AUZ	1AU	1ADY	1AD
63	128.3	1AUZ	1AU	1ADZ	1AD
64	128.4	1AUZ	1AU	1BDX	1BD
65	128.4	1AUZ	1AU	1BDY	1BD
66	128.4	1AUZ	1AU	1BDZ	1BD
67	128.7	1AUZ	1AU	2ADX	2AD
68	128.7	1AUZ	1AU	2ADY	2AD
69	128.7	1AUZ	1AU	2ADZ	2AD

5BUW	125000	R	29937.5	R	C
1ADW	125000	T	18700.5	L	C
1BDW	125000	T	18700.5	L	C
2ADW	125000	T	19762.5	L	C
2BDW	125000	T	19762.5	L	C
3ADW	125000	T	19887.5	L	C
3BDW	125000	T	19887.5	L	C
4ADW	125000	T	20012.5	L	C
4BDW	125000	T	20012.5	L	C
5ADW	125000	T	20137.5	L	C
5BDW	125000	T	20137.5	L	C

70	128.5	1AUZ	1AU	2BDX	2BD
71	128.5	1AUZ	1AU	2BDY	2BD
72	128.5	1AUZ	1AU	2BDZ	2BD
73	128.7	1AUZ	1AU	3ADX	3AD
74	128.7	1AUZ	1AU	3ADY	3AD
75	128.7	1AUZ	1AU	3ADZ	3AD
76	128.8	1AUZ	1AU	3BDX	3BD
77	128.8	1AUZ	1AU	3BDY	3BD
78	128.8	1AUZ	1AU	3BDZ	3BD
79	128.4	1AUZ	1AU	4ADX	4AD
80	128.4	1AUZ	1AU	4ADY	4AD
81	128.4	1AUZ	1AU	4ADZ	4AD
82	128.6	1AUZ	1AU	4BDX	4BD
83	128.6	1AUZ	1AU	4BDY	4BD
84	128.6	1AUZ	1AU	4BDZ	4BD
85	128.5	1AUZ	1AU	5ADX	5AD
86	128.5	1AUZ	1AU	5ADY	5AD
87	128.5	1AUZ	1AU	5ADZ	5AD
88	128.6	1AUZ	1AU	5BDX	5BD
89	128.6	1AUZ	1AU	5BDY	5BD
90	128.6	1AUZ	1AU	5BDZ	5BD
91	128	1BUX	1BU	1ADX	1AD
92	128	1BUX	1BU	1ADY	1AD
93	128	1BUX	1BU	1ADZ	1AD
94	128.1	1BUX	1BU	1BDX	1BD
95	128.1	1BUX	1BU	1BDY	1BD
96	128.1	1BUX	1BU	1BDZ	1BD
97	128.4	1BUX	1BU	2ADX	2AD
98	128.4	1BUX	1BU	2ADY	2AD
99	128.4	1BUX	1BU	2ADZ	2AD
100	128.2	1BUX	1BU	2BDX	2BD
101	128.2	1BUX	1BU	2BDY	2BD
102	128.2	1BUX	1BU	2BDZ	2BD
103	128.4	1BUX	1BU	3ADX	3AD
104	128.4	1BUX	1BU	3ADY	3AD
105	128.4	1BUX	1BU	3ADZ	3AD
106	128.4	1BUX	1BU	3BDX	3BD
107	128.4	1BUX	1BU	3BDY	3BD
108	128.4	1BUX	1BU	3BDZ	3BD

109	128.1	1BUX	1BU	4ADX	4AD
110	128.1	1BUX	1BU	4ADY	4AD
111	128.1	1BUX	1BU	4ADZ	4AD
112	128.2	1BUX	1BU	4BDX	4BD
113	128.2	1BUX	1BU	4BDY	4BD
114	128.2	1BUX	1BU	4BDZ	4BD
115	128.1	1BUX	1BU	5ADX	5AD
116	128.1	1BUX	1BU	5ADY	5AD
117	128.1	1BUX	1BU	5ADZ	5AD
118	128.3	1BUX	1BU	5BDX	5BD
119	128.3	1BUX	1BU	5BDY	5BD
120	128.3	1BUX	1BU	5BDZ	5BD
121	128	1BUY	1BU	1ADX	1AD
122	128	1BUY	1BU	1ADY	1AD
123	128	1BUY	1BU	1ADZ	1AD
124	128.1	1BUY	1BU	1BDX	1BD
125	128.1	1BUY	1BU	1BDY	1BD
126	128.1	1BUY	1BU	1BDZ	1BD
127	128.4	1BUY	1BU	2ADX	2AD
128	128.4	1BUY	1BU	2ADY	2AD
129	128.4	1BUY	1BU	2ADZ	2AD
130	128.2	1BUY	1BU	2BDX	2BD
131	128.2	1BUY	1BU	2BDY	2BD
132	128.2	1BUY	1BU	2BDZ	2BD
133	128.4	1BUY	1BU	3ADX	3AD
134	128.4	1BUY	1BU	3ADY	3AD
135	128.4	1BUY	1BU	3ADZ	3AD
136	128.4	1BUY	1BU	3BDX	3BD
137	128.4	1BUY	1BU	3BDY	3BD
138	128.4	1BUY	1BU	3BDZ	3BD
139	128.1	1BUY	1BU	4ADX	4AD
140	128.1	1BUY	1BU	4ADY	4AD
141	128.1	1BUY	1BU	4ADZ	4AD
142	128.2	1BUY	1BU	4BDX	4BD
143	128.2	1BUY	1BU	4BDY	4BD
144	128.2	1BUY	1BU	4BDZ	4BD
145	128.1	1BUY	1BU	5ADX	5AD
146	128.1	1BUY	1BU	5ADY	5AD
147	128.1	1BUY	1BU	5ADZ	5AD

148	128.3	1BUY	1BU	5BDX	5BD
149	128.3	1BUY	1BU	5BDY	5BD
150	128.3	1BUY	1BU	5BDZ	5BD
151	128	1BUZ	1BU	1ADX	1AD
152	128	1BUZ	1BU	1ADY	1AD
153	128	1BUZ	1BU	1ADZ	1AD
154	128.1	1BUZ	1BU	1BDX	1BD
155	128.1	1BUZ	1BU	1BDY	1BD
156	128.1	1BUZ	1BU	1BDZ	1BD
157	128.4	1BUZ	1BU	2ADX	2AD
158	128.4	1BUZ	1BU	2ADY	2AD
159	128.4	1BUZ	1BU	2ADZ	2AD
160	128.2	1BUZ	1BU	2BDX	2BD
161	128.2	1BUZ	1BU	2BDY	2BD
162	128.2	1BUZ	1BU	2BDZ	2BD
163	128.4	1BUZ	1BU	3ADX	3AD
164	128.4	1BUZ	1BU	3ADY	3AD
165	128.4	1BUZ	1BU	3ADZ	3AD
166	128.4	1BUZ	1BU	3BDX	3BD
167	128.4	1BUZ	1BU	3BDY	3BD
168	128.4	1BUZ	1BU	3BDZ	3BD
169	128.1	1BUZ	1BU	4ADX	4AD
170	128.1	1BUZ	1BU	4ADY	4AD
171	128.1	1BUZ	1BU	4ADZ	4AD
172	128.2	1BUZ	1BU	4BDX	4BD
173	128.2	1BUZ	1BU	4BDY	4BD
174	128.2	1BUZ	1BU	4BDZ	4BD
175	128.2	1BUZ	1BU	5ADX	5AD
176	128.2	1BUZ	1BU	5ADY	5AD
177	128.2	1BUZ	1BU	5ADZ	5AD
178	128.3	1BUZ	1BU	5BDX	5BD
179	128.3	1BUZ	1BU	5BDY	5BD
180	128.3	1BUZ	1BU	5BDZ	5BD
181	128.3	2AUX	2AU	1ADX	1AD
182	128.3	2AUX	2AU	1ADY	1AD
183	128.3	2AUX	2AU	1ADZ	1AD
184	128.4	2AUX	2AU	1BDX	1BD
185	128.4	2AUX	2AU	1BDY	1BD
186	128.4	2AUX	2AU	1BDZ	1BD

187	128.7	2AUX	2AU	2ADX	2AD
188	128.7	2AUX	2AU	2ADY	2AD
189	128.7	2AUX	2AU	2ADZ	2AD
190	128.5	2AUX	2AU	2BDX	2BD
191	128.5	2AUX	2AU	2BDY	2BD
192	128.5	2AUX	2AU	2BDZ	2BD
193	128.7	2AUX	2AU	3ADX	3AD
194	128.7	2AUX	2AU	3ADY	3AD
195	128.7	2AUX	2AU	3ADZ	3AD
196	128.7	2AUX	2AU	3BDX	3BD
197	128.7	2AUX	2AU	3BDY	3BD
198	128.7	2AUX	2AU	3BDZ	3BD
199	128.4	2AUX	2AU	4ADX	4AD
200	128.4	2AUX	2AU	4ADY	4AD
201	128.4	2AUX	2AU	4ADZ	4AD
202	128.5	2AUX	2AU	4BDX	4BD
203	128.5	2AUX	2AU	4BDY	4BD
204	128.5	2AUX	2AU	4BDZ	4BD
205	128.5	2AUX	2AU	5ADX	5AD
206	128.5	2AUX	2AU	5ADY	5AD
207	128.5	2AUX	2AU	5ADZ	5AD
208	128.6	2AUX	2AU	5BDX	5BD
209	128.6	2AUX	2AU	5BDY	5BD
210	128.6	2AUX	2AU	5BDZ	5BD
211	128.3	2AUY	2AU	1ADX	1AD
212	128.3	2AUY	2AU	1ADY	1AD
213	128.3	2AUY	2AU	1ADZ	1AD
214	128.4	2AUY	2AU	1BDX	1BD
215	128.4	2AUY	2AU	1BDY	1BD
216	128.4	2AUY	2AU	1BDZ	1BD
217	128.7	2AUY	2AU	2ADX	2AD
218	128.7	2AUY	2AU	2ADY	2AD
219	128.7	2AUY	2AU	2ADZ	2AD
220	128.5	2AUY	2AU	2BDX	2BD
221	128.5	2AUY	2AU	2BDY	2BD
222	128.5	2AUY	2AU	2BDZ	2BD
223	128.7	2AUY	2AU	3ADX	3AD
224	128.7	2AUY	2AU	3ADY	3AD
225	128.7	2AUY	2AU	3ADZ	3AD

226	128.8	2AUY	2AU	3BDX	3BD
227	128.8	2AUY	2AU	3BDY	3BD
228	128.8	2AUY	2AU	3BDZ	3BD
229	128.4	2AUY	2AU	4ADX	4AD
230	128.4	2AUY	2AU	4ADY	4AD
231	128.4	2AUY	2AU	4ADZ	4AD
232	128.5	2AUY	2AU	4BDX	4BD
233	128.5	2AUY	2AU	4BDY	4BD
234	128.5	2AUY	2AU	4BDZ	4BD
235	128.5	2AUY	2AU	5ADX	5AD
236	128.5	2AUY	2AU	5ADY	5AD
237	128.5	2AUY	2AU	5ADZ	5AD
238	128.6	2AUY	2AU	5BDX	5BD
239	128.6	2AUY	2AU	5BDY	5BD
240	128.6	2AUY	2AU	5BDZ	5BD
241	128.3	2AUZ	2AU	1ADX	1AD
242	128.3	2AUZ	2AU	1ADY	1AD
243	128.3	2AUZ	2AU	1ADZ	1AD
244	128.4	2AUZ	2AU	1BDX	1BD
245	128.4	2AUZ	2AU	1BDY	1BD
246	128.4	2AUZ	2AU	1BDZ	1BD
247	128.7	2AUZ	2AU	2ADX	2AD
248	128.7	2AUZ	2AU	2ADY	2AD
249	128.7	2AUZ	2AU	2ADZ	2AD
250	128.5	2AUZ	2AU	2BDX	2BD
251	128.5	2AUZ	2AU	2BDY	2BD
252	128.5	2AUZ	2AU	2BDZ	2BD
253	128.7	2AUZ	2AU	3ADX	3AD
254	128.7	2AUZ	2AU	3ADY	3AD
255	128.7	2AUZ	2AU	3ADZ	3AD
256	128.8	2AUZ	2AU	3BDX	3BD
257	128.8	2AUZ	2AU	3BDY	3BD
258	128.8	2AUZ	2AU	3BDZ	3BD
259	128.4	2AUZ	2AU	4ADX	4AD
260	128.4	2AUZ	2AU	4ADY	4AD
261	128.4	2AUZ	2AU	4ADZ	4AD
262	128.5	2AUZ	2AU	4BDX	4BD
263	128.5	2AUZ	2AU	4BDY	4BD
264	128.5	2AUZ	2AU	4BDZ	4BD

265	128.5	2AUZ	2AU	5ADX	5AD
266	128.5	2AUZ	2AU	5ADY	5AD
267	128.5	2AUZ	2AU	5ADZ	5AD
268	128.6	2AUZ	2AU	5BDX	5BD
269	128.6	2AUZ	2AU	5BDY	5BD
270	128.6	2AUZ	2AU	5BDZ	5BD
271	127.4	2BUX	2BU	1ADX	1AD
272	127.4	2BUX	2BU	1ADY	1AD
273	127.4	2BUX	2BU	1ADZ	1AD
274	127.5	2BUX	2BU	1BDX	1BD
275	127.5	2BUX	2BU	1BDY	1BD
276	127.5	2BUX	2BU	1BDZ	1BD
277	127.8	2BUX	2BU	2ADX	2AD
278	127.8	2BUX	2BU	2ADY	2AD
279	127.8	2BUX	2BU	2ADZ	2AD
280	127.6	2BUX	2BU	2BDX	2BD
281	127.6	2BUX	2BU	2BDY	2BD
282	127.6	2BUX	2BU	2BDZ	2BD
283	127.8	2BUX	2BU	3ADX	3AD
284	127.8	2BUX	2BU	3ADY	3AD
285	127.8	2BUX	2BU	3ADZ	3AD
286	127.8	2BUX	2BU	3BDX	3BD
287	127.8	2BUX	2BU	3BDY	3BD
288	127.8	2BUX	2BU	3BDZ	3BD
289	127.5	2BUX	2BU	4ADX	4AD
290	127.5	2BUX	2BU	4ADY	4AD
291	127.5	2BUX	2BU	4ADZ	4AD
292	127.6	2BUX	2BU	4BDX	4BD
293	127.6	2BUX	2BU	4BDY	4BD
294	127.6	2BUX	2BU	4BDZ	4BD
295	127.5	2BUX	2BU	5ADX	5AD
296	127.5	2BUX	2BU	5ADY	5AD
297	127.5	2BUX	2BU	5ADZ	5AD
298	127.7	2BUX	2BU	5BDX	5BD
299	127.7	2BUX	2BU	5BDY	5BD
300	127.7	2BUX	2BU	5BDZ	5BD
301	127.4	2BUY	2BU	1ADX	1AD
302	127.4	2BUY	2BU	1ADY	1AD
303	127.4	2BUY	2BU	1ADZ	1AD

304	127.5	2BUY	2BU	1BDX	1BD
305	127.5	2BUY	2BU	1BDY	1BD
306	127.5	2BUY	2BU	1BDZ	1BD
307	127.8	2BUY	2BU	2ADX	2AD
308	127.8	2BUY	2BU	2ADY	2AD
309	127.8	2BUY	2BU	2ADZ	2AD
310	127.6	2BUY	2BU	2BDX	2BD
311	127.6	2BUY	2BU	2BDY	2BD
312	127.6	2BUY	2BU	2BDZ	2BD
313	127.8	2BUY	2BU	3ADX	3AD
314	127.8	2BUY	2BU	3ADY	3AD
315	127.8	2BUY	2BU	3ADZ	3AD
316	127.8	2BUY	2BU	3BDX	3BD
317	127.8	2BUY	2BU	3BDY	3BD
318	127.8	2BUY	2BU	3BDZ	3BD
319	127.5	2BUY	2BU	4ADX	4AD
320	127.5	2BUY	2BU	4ADY	4AD
321	127.5	2BUY	2BU	4ADZ	4AD
322	127.6	2BUY	2BU	4BDX	4BD
323	127.6	2BUY	2BU	4BDY	4BD
324	127.6	2BUY	2BU	4BDZ	4BD
325	127.6	2BUY	2BU	5ADX	5AD
326	127.6	2BUY	2BU	5ADY	5AD
327	127.6	2BUY	2BU	5ADZ	5AD
328	127.7	2BUY	2BU	5BDX	5BD
329	127.7	2BUY	2BU	5BDY	5BD
330	127.7	2BUY	2BU	5BDZ	5BD
331	127.4	2BUZ	2BU	1ADX	1AD
332	127.4	2BUZ	2BU	1ADY	1AD
333	127.4	2BUZ	2BU	1ADZ	1AD
334	127.5	2BUZ	2BU	1BDX	1BD
335	127.5	2BUZ	2BU	1BDY	1BD
336	127.5	2BUZ	2BU	1BDZ	1BD
337	127.8	2BUZ	2BU	2ADX	2AD
338	127.8	2BUZ	2BU	2ADY	2AD
339	127.8	2BUZ	2BU	2ADZ	2AD
340	127.6	2BUZ	2BU	2BDX	2BD
341	127.6	2BUZ	2BU	2BDY	2BD
342	127.6	2BUZ	2BU	2BDZ	2BD

343	127.8	2BUZ	2BU	3ADX	3AD
344	127.8	2BUZ	2BU	3ADY	3AD
345	127.8	2BUZ	2BU	3ADZ	3AD
346	127.9	2BUZ	2BU	3BDX	3BD
347	127.9	2BUZ	2BU	3BDY	3BD
348	127.9	2BUZ	2BU	3BDZ	3BD
349	127.5	2BUZ	2BU	4ADX	4AD
350	127.5	2BUZ	2BU	4ADY	4AD
351	127.5	2BUZ	2BU	4ADZ	4AD
352	127.6	2BUZ	2BU	4BDX	4BD
353	127.6	2BUZ	2BU	4BDY	4BD
354	127.6	2BUZ	2BU	4BDZ	4BD
355	127.6	2BUZ	2BU	5ADX	5AD
356	127.6	2BUZ	2BU	5ADY	5AD
357	127.6	2BUZ	2BU	5ADZ	5AD
358	127.7	2BUZ	2BU	5BDX	5BD
359	127.7	2BUZ	2BU	5BDY	5BD
360	127.7	2BUZ	2BU	5BDZ	5BD
361	128.5	3AUX	3AU	1ADX	1AD
362	128.5	3AUX	3AU	1ADY	1AD
363	128.5	3AUX	3AU	1ADZ	1AD
364	128.6	3AUX	3AU	1BDX	1BD
365	128.6	3AUX	3AU	1BDY	1BD
366	128.6	3AUX	3AU	1BDZ	1BD
367	128.9	3AUX	3AU	2ADX	2AD
368	128.9	3AUX	3AU	2ADY	2AD
369	128.9	3AUX	3AU	2ADZ	2AD
370	128.7	3AUX	3AU	2BDX	2BD
371	128.7	3AUX	3AU	2BDY	2BD
372	128.7	3AUX	3AU	2BDZ	2BD
373	128.9	3AUX	3AU	3ADX	3AD
374	128.9	3AUX	3AU	3ADY	3AD
375	128.9	3AUX	3AU	3ADZ	3AD
376	128.9	3AUX	3AU	3BDX	3BD
377	128.9	3AUX	3AU	3BDY	3BD
378	128.9	3AUX	3AU	3BDZ	3BD
379	128.6	3AUX	3AU	4ADX	4AD
380	128.6	3AUX	3AU	4ADY	4AD
381	128.6	3AUX	3AU	4ADZ	4AD

382	128.7	3AUX	3AU	4BDX	4BD
383	128.7	3AUX	3AU	4BDY	4BD
384	128.7	3AUX	3AU	4BDZ	4BD
385	128.6	3AUX	3AU	5ADX	5AD
386	128.6	3AUX	3AU	5ADY	5AD
387	128.6	3AUX	3AU	5ADZ	5AD
388	128.8	3AUX	3AU	5BDX	5BD
389	128.8	3AUX	3AU	5BDY	5BD
390	128.8	3AUX	3AU	5BDZ	5BD
391	128.5	3AUY	3AU	1ADX	1AD
392	128.5	3AUY	3AU	1ADY	1AD
393	128.5	3AUY	3AU	1ADZ	1AD
394	128.6	3AUY	3AU	1BDX	1BD
395	128.6	3AUY	3AU	1BDY	1BD
396	128.6	3AUY	3AU	1BDZ	1BD
397	128.9	3AUY	3AU	2ADX	2AD
398	128.9	3AUY	3AU	2ADY	2AD
399	128.9	3AUY	3AU	2ADZ	2AD
400	128.7	3AUY	3AU	2BDX	2BD
401	128.7	3AUY	3AU	2BDY	2BD
402	128.7	3AUY	3AU	2BDZ	2BD
403	128.9	3AUY	3AU	3ADX	3AD
404	128.9	3AUY	3AU	3ADY	3AD
405	128.9	3AUY	3AU	3ADZ	3AD
406	128.9	3AUY	3AU	3BDX	3BD
407	128.9	3AUY	3AU	3BDY	3BD
408	128.9	3AUY	3AU	3BDZ	3BD
409	128.6	3AUY	3AU	4ADX	4AD
410	128.6	3AUY	3AU	4ADY	4AD
411	128.6	3AUY	3AU	4ADZ	4AD
412	128.7	3AUY	3AU	4BDX	4BD
413	128.7	3AUY	3AU	4BDY	4BD
414	128.7	3AUY	3AU	4BDZ	4BD
415	128.6	3AUY	3AU	5ADX	5AD
416	128.6	3AUY	3AU	5ADY	5AD
417	128.6	3AUY	3AU	5ADZ	5AD
418	128.8	3AUY	3AU	5BDX	5BD
419	128.8	3AUY	3AU	5BDY	5BD
420	128.8	3AUY	3AU	5BDZ	5BD

421	128.5	3AUZ	3AU	1ADX	1AD
422	128.5	3AUZ	3AU	1ADY	1AD
423	128.5	3AUZ	3AU	1ADZ	1AD
424	128.6	3AUZ	3AU	1BDX	1BD
425	128.6	3AUZ	3AU	1BDY	1BD
426	128.6	3AUZ	3AU	1BDZ	1BD
427	128.9	3AUZ	3AU	2ADX	2AD
428	128.9	3AUZ	3AU	2ADY	2AD
429	128.9	3AUZ	3AU	2ADZ	2AD
430	128.7	3AUZ	3AU	2BDX	2BD
431	128.7	3AUZ	3AU	2BDY	2BD
432	128.7	3AUZ	3AU	2BDZ	2BD
433	128.9	3AUZ	3AU	3ADX	3AD
434	128.9	3AUZ	3AU	3ADY	3AD
435	128.9	3AUZ	3AU	3ADZ	3AD
436	128.9	3AUZ	3AU	3BDX	3BD
437	128.9	3AUZ	3AU	3BDY	3BD
438	128.9	3AUZ	3AU	3BDZ	3BD
439	128.6	3AUZ	3AU	4ADX	4AD
440	128.6	3AUZ	3AU	4ADY	4AD
441	128.6	3AUZ	3AU	4ADZ	4AD
442	128.7	3AUZ	3AU	4BDX	4BD
443	128.7	3AUZ	3AU	4BDY	4BD
444	128.7	3AUZ	3AU	4BDZ	4BD
445	128.7	3AUZ	3AU	5ADX	5AD
446	128.7	3AUZ	3AU	5ADY	5AD
447	128.7	3AUZ	3AU	5ADZ	5AD
448	128.8	3AUZ	3AU	5BDX	5BD
449	128.8	3AUZ	3AU	5BDY	5BD
450	128.8	3AUZ	3AU	5BDZ	5BD
451	128.6	3BUX	3BU	1ADX	1AD
452	128.6	3BUX	3BU	1ADY	1AD
453	128.6	3BUX	3BU	1ADZ	1AD
454	128.7	3BUX	3BU	1BDX	1BD
455	128.7	3BUX	3BU	1BDY	1BD
456	128.7	3BUX	3BU	1BDZ	1BD
457	129	3BUX	3BU	2ADX	2AD
458	129	3BUX	3BU	2ADY	2AD
459	129	3BUX	3BU	2ADZ	2AD

460	128.8	3BUX	3BU	2BDX	2BD
461	128.8	3BUX	3BU	2BDY	2BD
462	128.8	3BUX	3BU	2BDZ	2BD
463	129	3BUX	3BU	3ADX	3AD
464	129	3BUX	3BU	3ADY	3AD
465	129	3BUX	3BU	3ADZ	3AD
466	129.1	3BUX	3BU	3BDX	3BD
467	129.1	3BUX	3BU	3BDY	3BD
468	129.1	3BUX	3BU	3BDZ	3BD
469	128.7	3BUX	3BU	4ADX	4AD
470	128.7	3BUX	3BU	4ADY	4AD
471	128.7	3BUX	3BU	4ADZ	4AD
472	128.9	3BUX	3BU	4BDX	4BD
473	128.9	3BUX	3BU	4BDY	4BD
474	128.9	3BUX	3BU	4BDZ	4BD
475	128.8	3BUX	3BU	5ADX	5AD
476	128.8	3BUX	3BU	5ADY	5AD
477	128.8	3BUX	3BU	5ADZ	5AD
478	128.9	3BUX	3BU	5BDX	5BD
479	128.9	3BUX	3BU	5BDY	5BD
480	128.9	3BUX	3BU	5BDZ	5BD
481	128.6	3BUY	3BU	1ADX	1AD
482	128.6	3BUY	3BU	1ADY	1AD
483	128.6	3BUY	3BU	1ADZ	1AD
484	128.8	3BUY	3BU	1BDX	1BD
485	128.8	3BUY	3BU	1BDY	1BD
486	128.8	3BUY	3BU	1BDZ	1BD
487	129.1	3BUY	3BU	2ADX	2AD
488	129.1	3BUY	3BU	2ADY	2AD
489	129.1	3BUY	3BU	2ADZ	2AD
490	128.9	3BUY	3BU	2BDX	2BD
491	128.9	3BUY	3BU	2BDY	2BD
492	128.9	3BUY	3BU	2BDZ	2BD
493	129.1	3BUY	3BU	3ADX	3AD
494	129.1	3BUY	3BU	3ADY	3AD
495	129.1	3BUY	3BU	3ADZ	3AD
496	129.1	3BUY	3BU	3BDX	3BD
497	129.1	3BUY	3BU	3BDY	3BD
498	129.1	3BUY	3BU	3BDZ	3BD

499	128.8	3BUY	3BU	4ADX	4AD
500	128.8	3BUY	3BU	4ADY	4AD
501	128.8	3BUY	3BU	4ADZ	4AD
502	128.9	3BUY	3BU	4BDX	4BD
503	128.9	3BUY	3BU	4BDY	4BD
504	128.9	3BUY	3BU	4BDZ	4BD
505	128.8	3BUY	3BU	5ADX	5AD
506	128.8	3BUY	3BU	5ADY	5AD
507	128.8	3BUY	3BU	5ADZ	5AD
508	129	3BUY	3BU	5BDX	5BD
509	129	3BUY	3BU	5BDY	5BD
510	129	3BUY	3BU	5BDZ	5BD
511	128.7	3BUZ	3BU	1ADX	1AD
512	128.7	3BUZ	3BU	1ADY	1AD
513	128.7	3BUZ	3BU	1ADZ	1AD
514	128.8	3BUZ	3BU	1BDX	1BD
515	128.8	3BUZ	3BU	1BDY	1BD
516	128.8	3BUZ	3BU	1BDZ	1BD
517	129.1	3BUZ	3BU	2ADX	2AD
518	129.1	3BUZ	3BU	2ADY	2AD
519	129.1	3BUZ	3BU	2ADZ	2AD
520	128.9	3BUZ	3BU	2BDX	2BD
521	128.9	3BUZ	3BU	2BDY	2BD
522	128.9	3BUZ	3BU	2BDZ	2BD
523	129.1	3BUZ	3BU	3ADX	3AD
524	129.1	3BUZ	3BU	3ADY	3AD
525	129.1	3BUZ	3BU	3ADZ	3AD
526	129.1	3BUZ	3BU	3BDX	3BD
527	129.1	3BUZ	3BU	3BDY	3BD
528	129.1	3BUZ	3BU	3BDZ	3BD
529	128.8	3BUZ	3BU	4ADX	4AD
530	128.8	3BUZ	3BU	4ADY	4AD
531	128.8	3BUZ	3BU	4ADZ	4AD
532	128.9	3BUZ	3BU	4BDX	4BD
533	128.9	3BUZ	3BU	4BDY	4BD
534	128.9	3BUZ	3BU	4BDZ	4BD
535	128.8	3BUZ	3BU	5ADX	5AD
536	128.8	3BUZ	3BU	5ADY	5AD
537	128.8	3BUZ	3BU	5ADZ	5AD

538	129	3BUZ	3BU	5BDX	5BD
539	129	3BUZ	3BU	5BDY	5BD
540	129	3BUZ	3BU	5BDZ	5BD
541	128.2	4AUX	4AU	1ADX	1AD
542	128.2	4AUX	4AU	1ADY	1AD
543	128.2	4AUX	4AU	1ADZ	1AD
544	128.3	4AUX	4AU	1BDX	1BD
545	128.3	4AUX	4AU	1BDY	1BD
546	128.3	4AUX	4AU	1BDZ	1BD
547	128.6	4AUX	4AU	2ADX	2AD
548	128.6	4AUX	4AU	2ADY	2AD
549	128.6	4AUX	4AU	2ADZ	2AD
550	128.4	4AUX	4AU	2BDX	2BD
551	128.4	4AUX	4AU	2BDY	2BD
552	128.4	4AUX	4AU	2BDZ	2BD
553	128.6	4AUX	4AU	3ADX	3AD
554	128.6	4AUX	4AU	3ADY	3AD
555	128.6	4AUX	4AU	3ADZ	3AD
556	128.7	4AUX	4AU	3BDX	3BD
557	128.7	4AUX	4AU	3BDY	3BD
558	128.7	4AUX	4AU	3BDZ	3BD
559	128.3	4AUX	4AU	4ADX	4AD
560	128.3	4AUX	4AU	4ADY	4AD
561	128.3	4AUX	4AU	4ADZ	4AD
562	128.5	4AUX	4AU	4BDX	4BD
563	128.5	4AUX	4AU	4BDY	4BD
564	128.5	4AUX	4AU	4BDZ	4BD
565	128.4	4AUX	4AU	5ADX	5AD
566	128.4	4AUX	4AU	5ADY	5AD
567	128.4	4AUX	4AU	5ADZ	5AD
568	128.5	4AUX	4AU	5BDX	5BD
569	128.5	4AUX	4AU	5BDY	5BD
570	128.5	4AUX	4AU	5BDZ	5BD
571	128.2	4AUY	4AU	1ADX	1AD
572	128.2	4AUY	4AU	1ADY	1AD
573	128.2	4AUY	4AU	1ADZ	1AD
574	128.3	4AUY	4AU	1BDX	1BD
575	128.3	4AUY	4AU	1BDY	1BD
576	128.3	4AUY	4AU	1BDZ	1BD

577	128.7	4AUY	4AU	2ADX	2AD
578	128.7	4AUY	4AU	2ADY	2AD
579	128.7	4AUY	4AU	2ADZ	2AD
580	128.5	4AUY	4AU	2BDX	2BD
581	128.5	4AUY	4AU	2BDY	2BD
582	128.5	4AUY	4AU	2BDZ	2BD
583	128.7	4AUY	4AU	3ADX	3AD
584	128.7	4AUY	4AU	3ADY	3AD
585	128.7	4AUY	4AU	3ADZ	3AD
586	128.7	4AUY	4AU	3BDX	3BD
587	128.7	4AUY	4AU	3BDY	3BD
588	128.7	4AUY	4AU	3BDZ	3BD
589	128.3	4AUY	4AU	4ADX	4AD
590	128.3	4AUY	4AU	4ADY	4AD
591	128.3	4AUY	4AU	4ADZ	4AD
592	128.5	4AUY	4AU	4BDX	4BD
593	128.5	4AUY	4AU	4BDY	4BD
594	128.5	4AUY	4AU	4BDZ	4BD
595	128.4	4AUY	4AU	5ADX	5AD
596	128.4	4AUY	4AU	5ADY	5AD
597	128.4	4AUY	4AU	5ADZ	5AD
598	128.6	4AUY	4AU	5BDX	5BD
599	128.6	4AUY	4AU	5BDY	5BD
600	128.6	4AUY	4AU	5BDZ	5BD
601	128.3	4AUZ	4AU	1ADX	1AD
602	128.3	4AUZ	4AU	1ADY	1AD
603	128.3	4AUZ	4AU	1ADZ	1AD
604	128.4	4AUZ	4AU	1BDX	1BD
605	128.4	4AUZ	4AU	1BDY	1BD
606	128.4	4AUZ	4AU	1BDZ	1BD
607	128.7	4AUZ	4AU	2ADX	2AD
608	128.7	4AUZ	4AU	2ADY	2AD
609	128.7	4AUZ	4AU	2ADZ	2AD
610	128.5	4AUZ	4AU	2BDX	2BD
611	128.5	4AUZ	4AU	2BDY	2BD
612	128.5	4AUZ	4AU	2BDZ	2BD
613	128.7	4AUZ	4AU	3ADX	3AD
614	128.7	4AUZ	4AU	3ADY	3AD
615	128.7	4AUZ	4AU	3ADZ	3AD

616	128.7	4AUZ	4AU	3BDX	3BD
617	128.7	4AUZ	4AU	3BDY	3BD
618	128.7	4AUZ	4AU	3BDZ	3BD
619	128.4	4AUZ	4AU	4ADX	4AD
620	128.4	4AUZ	4AU	4ADY	4AD
621	128.4	4AUZ	4AU	4ADZ	4AD
622	128.5	4AUZ	4AU	4BDX	4BD
623	128.5	4AUZ	4AU	4BDY	4BD
624	128.5	4AUZ	4AU	4BDZ	4BD
625	128.4	4AUZ	4AU	5ADX	5AD
626	128.4	4AUZ	4AU	5ADY	5AD
627	128.4	4AUZ	4AU	5ADZ	5AD
628	128.6	4AUZ	4AU	5BDX	5BD
629	128.6	4AUZ	4AU	5BDY	5BD
630	128.6	4AUZ	4AU	5BDZ	5BD
631	128.7	4BUX	4BU	1ADX	1AD
632	128.7	4BUX	4BU	1ADY	1AD
633	128.7	4BUX	4BU	1ADZ	1AD
634	128.8	4BUX	4BU	1BDX	1BD
635	128.8	4BUX	4BU	1BDY	1BD
636	128.8	4BUX	4BU	1BDZ	1BD
637	129.1	4BUX	4BU	2ADX	2AD
638	129.1	4BUX	4BU	2ADY	2AD
639	129.1	4BUX	4BU	2ADZ	2AD
640	128.9	4BUX	4BU	2BDX	2BD
641	128.9	4BUX	4BU	2BDY	2BD
642	128.9	4BUX	4BU	2BDZ	2BD
643	129.1	4BUX	4BU	3ADX	3AD
644	129.1	4BUX	4BU	3ADY	3AD
645	129.1	4BUX	4BU	3ADZ	3AD
646	129.2	4BUX	4BU	3BDX	3BD
647	129.2	4BUX	4BU	3BDY	3BD
648	129.2	4BUX	4BU	3BDZ	3BD
649	128.8	4BUX	4BU	4ADX	4AD
650	128.8	4BUX	4BU	4ADY	4AD
651	128.8	4BUX	4BU	4ADZ	4AD
652	128.9	4BUX	4BU	4BDX	4BD
653	128.9	4BUX	4BU	4BDY	4BD
654	128.9	4BUX	4BU	4BDZ	4BD

655	128.9	4BUX	4BU	5ADX	5AD
656	128.9	4BUX	4BU	5ADY	5AD
657	128.9	4BUX	4BU	5ADZ	5AD
658	129	4BUX	4BU	5BDX	5BD
659	129	4BUX	4BU	5BDY	5BD
660	129	4BUX	4BU	5BDZ	5BD
661	128.7	4BUY	4BU	1ADX	1AD
662	128.7	4BUY	4BU	1ADY	1AD
663	128.7	4BUY	4BU	1ADZ	1AD
664	128.8	4BUY	4BU	1BDX	1BD
665	128.8	4BUY	4BU	1BDY	1BD
666	128.8	4BUY	4BU	1BDZ	1BD
667	129.1	4BUY	4BU	2ADX	2AD
668	129.1	4BUY	4BU	2ADY	2AD
669	129.1	4BUY	4BU	2ADZ	2AD
670	128.9	4BUY	4BU	2BDX	2BD
671	128.9	4BUY	4BU	2BDY	2BD
672	128.9	4BUY	4BU	2BDZ	2BD
673	129.1	4BUY	4BU	3ADX	3AD
674	129.1	4BUY	4BU	3ADY	3AD
675	129.1	4BUY	4BU	3ADZ	3AD
676	129.2	4BUY	4BU	3BDX	3BD
677	129.2	4BUY	4BU	3BDY	3BD
678	129.2	4BUY	4BU	3BDZ	3BD
679	128.8	4BUY	4BU	4ADX	4AD
680	128.8	4BUY	4BU	4ADY	4AD
681	128.8	4BUY	4BU	4ADZ	4AD
682	128.9	4BUY	4BU	4BDX	4BD
683	128.9	4BUY	4BU	4BDY	4BD
684	128.9	4BUY	4BU	4BDZ	4BD
685	128.9	4BUY	4BU	5ADX	5AD
686	128.9	4BUY	4BU	5ADY	5AD
687	128.9	4BUY	4BU	5ADZ	5AD
688	129	4BUY	4BU	5BDX	5BD
689	129	4BUY	4BU	5BDY	5BD
690	129	4BUY	4BU	5BDZ	5BD
691	128.7	4BUZ	4BU	1ADX	1AD
692	128.7	4BUZ	4BU	1ADY	1AD
693	128.7	4BUZ	4BU	1ADZ	1AD

694	128.8	4BUZ	4BU	1BDX	1BD
695	128.8	4BUZ	4BU	1BDY	1BD
696	128.8	4BUZ	4BU	1BDZ	1BD
697	129.1	4BUZ	4BU	2ADX	2AD
698	129.1	4BUZ	4BU	2ADY	2AD
699	129.1	4BUZ	4BU	2ADZ	2AD
700	128.9	4BUZ	4BU	2BDX	2BD
701	128.9	4BUZ	4BU	2BDY	2BD
702	128.9	4BUZ	4BU	2BDZ	2BD
703	129.1	4BUZ	4BU	3ADX	3AD
704	129.1	4BUZ	4BU	3ADY	3AD
705	129.1	4BUZ	4BU	3ADZ	3AD
706	129.2	4BUZ	4BU	3BDX	3BD
707	129.2	4BUZ	4BU	3BDY	3BD
708	129.2	4BUZ	4BU	3BDZ	3BD
709	128.8	4BUZ	4BU	4ADX	4AD
710	128.8	4BUZ	4BU	4ADY	4AD
711	128.8	4BUZ	4BU	4ADZ	4AD
712	129	4BUZ	4BU	4BDX	4BD
713	129	4BUZ	4BU	4BDY	4BD
714	129	4BUZ	4BU	4BDZ	4BD
715	128.9	4BUZ	4BU	5ADX	5AD
716	128.9	4BUZ	4BU	5ADY	5AD
717	128.9	4BUZ	4BU	5ADZ	5AD
718	129	4BUZ	4BU	5BDX	5BD
719	129	4BUZ	4BU	5BDY	5BD
720	129	4BUZ	4BU	5BDZ	5BD
721	128.2	5AUX	5AU	1ADX	1AD
722	128.2	5AUX	5AU	1ADY	1AD
723	128.2	5AUX	5AU	1ADZ	1AD
724	128.3	5AUX	5AU	1BDX	1BD
725	128.3	5AUX	5AU	1BDY	1BD
726	128.3	5AUX	5AU	1BDZ	1BD
727	128.6	5AUX	5AU	2ADX	2AD
728	128.6	5AUX	5AU	2ADY	2AD
729	128.6	5AUX	5AU	2ADZ	2AD
730	128.4	5AUX	5AU	2BDX	2BD
731	128.4	5AUX	5AU	2BDY	2BD
732	128.4	5AUX	5AU	2BDZ	2BD

733	128.6	5AUX	5AU	3ADX	3AD
734	128.6	5AUX	5AU	3ADY	3AD
735	128.6	5AUX	5AU	3ADZ	3AD
736	128.7	5AUX	5AU	3BDX	3BD
737	128.7	5AUX	5AU	3BDY	3BD
738	128.7	5AUX	5AU	3BDZ	3BD
739	128.3	5AUX	5AU	4ADX	4AD
740	128.3	5AUX	5AU	4ADY	4AD
741	128.3	5AUX	5AU	4ADZ	4AD
742	128.4	5AUX	5AU	4BDX	4BD
743	128.4	5AUX	5AU	4BDY	4BD
744	128.4	5AUX	5AU	4BDZ	4BD
745	128.4	5AUX	5AU	5ADX	5AD
746	128.4	5AUX	5AU	5ADY	5AD
747	128.4	5AUX	5AU	5ADZ	5AD
748	128.5	5AUX	5AU	5BDX	5BD
749	128.5	5AUX	5AU	5BDY	5BD
750	128.5	5AUX	5AU	5BDZ	5BD
751	128.2	5AUY	5AU	1ADX	1AD
752	128.2	5AUY	5AU	1ADY	1AD
753	128.2	5AUY	5AU	1ADZ	1AD
754	128.3	5AUY	5AU	1BDX	1BD
755	128.3	5AUY	5AU	1BDY	1BD
756	128.3	5AUY	5AU	1BDZ	1BD
757	128.6	5AUY	5AU	2ADX	2AD
758	128.6	5AUY	5AU	2ADY	2AD
759	128.6	5AUY	5AU	2ADZ	2AD
760	128.4	5AUY	5AU	2BDX	2BD
761	128.4	5AUY	5AU	2BDY	2BD
762	128.4	5AUY	5AU	2BDZ	2BD
763	128.6	5AUY	5AU	3ADX	3AD
764	128.6	5AUY	5AU	3ADY	3AD
765	128.6	5AUY	5AU	3ADZ	3AD
766	128.7	5AUY	5AU	3BDX	3BD
767	128.7	5AUY	5AU	3BDY	3BD
768	128.7	5AUY	5AU	3BDZ	3BD
769	128.3	5AUY	5AU	4ADX	4AD
770	128.3	5AUY	5AU	4ADY	4AD
771	128.3	5AUY	5AU	4ADZ	4AD

772	128.4	5AUY	5AU	4BDX	4BD
773	128.4	5AUY	5AU	4BDY	4BD
774	128.4	5AUY	5AU	4BDZ	4BD
775	128.4	5AUY	5AU	5ADX	5AD
776	128.4	5AUY	5AU	5ADY	5AD
777	128.4	5AUY	5AU	5ADZ	5AD
778	128.5	5AUY	5AU	5BDX	5BD
779	128.5	5AUY	5AU	5BDY	5BD
780	128.5	5AUY	5AU	5BDZ	5BD
781	128.2	5AUZ	5AU	1ADX	1AD
782	128.2	5AUZ	5AU	1ADY	1AD
783	128.2	5AUZ	5AU	1ADZ	1AD
784	128.3	5AUZ	5AU	1BDX	1BD
785	128.3	5AUZ	5AU	1BDY	1BD
786	128.3	5AUZ	5AU	1BDZ	1BD
787	128.6	5AUZ	5AU	2ADX	2AD
788	128.6	5AUZ	5AU	2ADY	2AD
789	128.6	5AUZ	5AU	2ADZ	2AD
790	128.4	5AUZ	5AU	2BDX	2BD
791	128.4	5AUZ	5AU	2BDY	2BD
792	128.4	5AUZ	5AU	2BDZ	2BD
793	128.6	5AUZ	5AU	3ADX	3AD
794	128.6	5AUZ	5AU	3ADY	3AD
795	128.6	5AUZ	5AU	3ADZ	3AD
796	128.7	5AUZ	5AU	3BDX	3BD
797	128.7	5AUZ	5AU	3BDY	3BD
798	128.7	5AUZ	5AU	3BDZ	3BD
799	128.3	5AUZ	5AU	4ADX	4AD
800	128.3	5AUZ	5AU	4ADY	4AD
801	128.3	5AUZ	5AU	4ADZ	4AD
802	128.5	5AUZ	5AU	4BDX	4BD
803	128.5	5AUZ	5AU	4BDY	4BD
804	128.5	5AUZ	5AU	4BDZ	4BD
805	128.4	5AUZ	5AU	5ADX	5AD
806	128.4	5AUZ	5AU	5ADY	5AD
807	128.4	5AUZ	5AU	5ADZ	5AD
808	128.5	5AUZ	5AU	5BDX	5BD
809	128.5	5AUZ	5AU	5BDY	5BD
810	128.5	5AUZ	5AU	5BDZ	5BD

811	128.4	5BUX	5BU	1ADX	1AD
812	128.4	5BUX	5BU	1ADY	1AD
813	128.4	5BUX	5BU	1ADZ	1AD
814	128.5	5BUX	5BU	1BDX	1BD
815	128.5	5BUX	5BU	1BDY	1BD
816	128.5	5BUX	5BU	1BDZ	1BD
817	128.8	5BUX	5BU	2ADX	2AD
818	128.8	5BUX	5BU	2ADY	2AD
819	128.8	5BUX	5BU	2ADZ	2AD
820	128.6	5BUX	5BU	2BDX	2BD
821	128.6	5BUX	5BU	2BDY	2BD
822	128.6	5BUX	5BU	2BDZ	2BD
823	128.8	5BUX	5BU	3ADX	3AD
824	128.8	5BUX	5BU	3ADY	3AD
825	128.8	5BUX	5BU	3ADZ	3AD
826	128.8	5BUX	5BU	3BDX	3BD
827	128.8	5BUX	5BU	3BDY	3BD
828	128.8	5BUX	5BU	3BDZ	3BD
829	128.5	5BUX	5BU	4ADX	4AD
830	128.5	5BUX	5BU	4ADY	4AD
831	128.5	5BUX	5BU	4ADZ	4AD
832	128.6	5BUX	5BU	4BDX	4BD
833	128.6	5BUX	5BU	4BDY	4BD
834	128.6	5BUX	5BU	4BDZ	4BD
835	128.5	5BUX	5BU	5ADX	5AD
836	128.5	5BUX	5BU	5ADY	5AD
837	128.5	5BUX	5BU	5ADZ	5AD
838	128.7	5BUX	5BU	5BDX	5BD
839	128.7	5BUX	5BU	5BDY	5BD
840	128.7	5BUX	5BU	5BDZ	5BD
841	128.4	5BUY	5BU	1ADX	1AD
842	128.4	5BUY	5BU	1ADY	1AD
843	128.4	5BUY	5BU	1ADZ	1AD
844	128.5	5BUY	5BU	1BDX	1BD
845	128.5	5BUY	5BU	1BDY	1BD
846	128.5	5BUY	5BU	1BDZ	1BD
847	128.8	5BUY	5BU	2ADX	2AD
848	128.8	5BUY	5BU	2ADY	2AD
849	128.8	5BUY	5BU	2ADZ	2AD

850	128.6	5BUY	5BU	2BDX	2BD
851	128.6	5BUY	5BU	2BDY	2BD
852	128.6	5BUY	5BU	2BDZ	2BD
853	128.8	5BUY	5BU	3ADX	3AD
854	128.8	5BUY	5BU	3ADY	3AD
855	128.8	5BUY	5BU	3ADZ	3AD
856	128.8	5BUY	5BU	3BDX	3BD
857	128.8	5BUY	5BU	3BDY	3BD
858	128.8	5BUY	5BU	3BDZ	3BD
859	128.5	5BUY	5BU	4ADX	4AD
860	128.5	5BUY	5BU	4ADY	4AD
861	128.5	5BUY	5BU	4ADZ	4AD
862	128.6	5BUY	5BU	4BDX	4BD
863	128.6	5BUY	5BU	4BDY	4BD
864	128.6	5BUY	5BU	4BDZ	4BD
865	128.6	5BUY	5BU	5ADX	5AD
866	128.6	5BUY	5BU	5ADY	5AD
867	128.6	5BUY	5BU	5ADZ	5AD
868	128.7	5BUY	5BU	5BDX	5BD
869	128.7	5BUY	5BU	5BDY	5BD
870	128.7	5BUY	5BU	5BDZ	5BD
871	128.4	5BUZ	5BU	1ADX	1AD
872	128.4	5BUZ	5BU	1ADY	1AD
873	128.4	5BUZ	5BU	1ADZ	1AD
874	128.5	5BUZ	5BU	1BDX	1BD
875	128.5	5BUZ	5BU	1BDY	1BD
876	128.5	5BUZ	5BU	1BDZ	1BD
877	128.8	5BUZ	5BU	2ADX	2AD
878	128.8	5BUZ	5BU	2ADY	2AD
879	128.8	5BUZ	5BU	2ADZ	2AD
880	128.6	5BUZ	5BU	2BDX	2BD
881	128.6	5BUZ	5BU	2BDY	2BD
882	128.6	5BUZ	5BU	2BDZ	2BD
883	128.8	5BUZ	5BU	3ADX	3AD
884	128.8	5BUZ	5BU	3ADY	3AD
885	128.8	5BUZ	5BU	3ADZ	3AD
886	128.9	5BUZ	5BU	3BDX	3BD
887	128.9	5BUZ	5BU	3BDY	3BD
888	128.9	5BUZ	5BU	3BDZ	3BD

889	128.5	5BUZ	5BU	4ADX	4AD
890	128.5	5BUZ	5BU	4ADY	4AD
891	128.5	5BUZ	5BU	4ADZ	4AD
892	128.6	5BUZ	5BU	4BDX	4BD
893	128.6	5BUZ	5BU	4BDY	4BD
894	128.6	5BUZ	5BU	4BDZ	4BD
895	128.6	5BUZ	5BU	5ADX	5AD
896	128.6	5BUZ	5BU	5ADY	5AD
897	128.6	5BUZ	5BU	5ADZ	5AD
898	128.7	5BUZ	5BU	5BDX	5BD
899	128.7	5BUZ	5BU	5BDY	5BD
900	128.7	5BUZ	5BU	5BDZ	5BD
901	128.3	1AUW	1AU	1ADW	1AD
902	128.4	1AUW	1AU	1BDW	1BD
903	128.7	1AUW	1AU	2ADW	2AD
904	128.5	1AUW	1AU	2BDW	2BD
905	128.7	1AUW	1AU	3ADW	3AD
906	128.8	1AUW	1AU	3BDW	3BD
907	128.4	1AUW	1AU	4ADW	4AD
908	128.5	1AUW	1AU	4BDW	4BD
909	128.5	1AUW	1AU	5ADW	5AD
910	128.6	1AUW	1AU	5BDW	5BD
911	128	1BUW	1BU	1ADW	1AD
912	128.1	1BUW	1BU	1BDW	1BD
913	128.4	1BUW	1BU	2ADW	2AD
914	128.2	1BUW	1BU	2BDW	2BD
915	128.4	1BUW	1BU	3ADW	3AD
916	128.4	1BUW	1BU	3BDW	3BD
917	128.1	1BUW	1BU	4ADW	4AD
918	128.2	1BUW	1BU	4BDW	4BD
919	128.1	1BUW	1BU	5ADW	5AD
920	128.3	1BUW	1BU	5BDW	5BD
921	128.3	2AUW	2AU	1ADW	1AD
922	128.4	2AUW	2AU	1BDW	1BD
923	128.7	2AUW	2AU	2ADW	2AD
924	128.5	2AUW	2AU	2BDW	2BD
925	128.7	2AUW	2AU	3ADW	3AD
926	128.8	2AUW	2AU	3BDW	3BD
927	128.4	2AUW	2AU	4ADW	4AD

928	128.5	2AUW	2AU	4BDW	4BD
929	128.5	2AUW	2AU	5ADW	5AD
930	128.6	2AUW	2AU	5BDW	5BD
931	127.4	2BUW	2BU	1ADW	1AD
932	127.5	2BUW	2BU	1BDW	1BD
933	127.8	2BUW	2BU	2ADW	2AD
934	127.6	2BUW	2BU	2BDW	2BD
935	127.8	2BUW	2BU	3ADW	3AD
936	127.8	2BUW	2BU	3BDW	3BD
937	127.5	2BUW	2BU	4ADW	4AD
938	127.6	2BUW	2BU	4BDW	4BD
939	127.6	2BUW	2BU	5ADW	5AD
940	127.7	2BUW	2BU	5BDW	5BD
941	128.5	3AUW	3AU	1ADW	1AD
942	128.6	3AUW	3AU	1BDW	1BD
943	128.9	3AUW	3AU	2ADW	2AD
944	128.7	3AUW	3AU	2BDW	2BD
945	128.9	3AUW	3AU	3ADW	3AD
946	128.9	3AUW	3AU	3BDW	3BD
947	128.6	3AUW	3AU	4ADW	4AD
948	128.7	3AUW	3AU	4BDW	4BD
949	128.6	3AUW	3AU	5ADW	5AD
950	128.8	3AUW	3AU	5BDW	5BD
951	128.6	3BUW	3BU	1ADW	1AD
952	128.8	3BUW	3BU	1BDW	1BD
953	129.1	3BUW	3BU	2ADW	2AD
954	128.9	3BUW	3BU	2BDW	2BD
955	129.1	3BUW	3BU	3ADW	3AD
956	129.1	3BUW	3BU	3BDW	3BD
957	128.8	3BUW	3BU	4ADW	4AD
958	128.9	3BUW	3BU	4BDW	4BD
959	128.8	3BUW	3BU	5ADW	5AD
960	129	3BUW	3BU	5BDW	5BD
961	128.2	4AUW	4AU	1ADW	1AD
962	128.3	4AUW	4AU	1BDW	1BD
963	128.7	4AUW	4AU	2ADW	2AD
964	128.5	4AUW	4AU	2BDW	2BD
965	128.7	4AUW	4AU	3ADW	3AD
966	128.7	4AUW	4AU	3BDW	3BD

967	128.3	4AUW	4AU	4ADW	4AD
968	128.5	4AUW	4AU	4BDW	4BD
969	128.4	4AUW	4AU	5ADW	5AD
970	128.6	4AUW	4AU	5BDW	5BD
971	128.7	4BUW	4BU	1ADW	1AD
972	128.8	4BUW	4BU	1BDW	1BD
973	129.1	4BUW	4BU	2ADW	2AD
974	128.9	4BUW	4BU	2BDW	2BD
975	129.1	4BUW	4BU	3ADW	3AD
976	129.2	4BUW	4BU	3BDW	3BD
977	128.8	4BUW	4BU	4ADW	4AD
978	128.9	4BUW	4BU	4BDW	4BD
979	128.9	4BUW	4BU	5ADW	5AD
980	129	4BUW	4BU	5BDW	5BD
981	128.2	5AUW	5AU	1ADW	1AD
982	128.3	5AUW	5AU	1BDW	1BD
983	128.6	5AUW	5AU	2ADW	2AD
984	128.4	5AUW	5AU	2BDW	2BD
985	128.6	5AUW	5AU	3ADW	3AD
986	128.7	5AUW	5AU	3BDW	3BD
987	128.3	5AUW	5AU	4ADW	4AD
988	128.4	5AUW	5AU	4BDW	4BD
989	128.4	5AUW	5AU	5ADW	5AD
990	128.5	5AUW	5AU	5BDW	5BD
991	128.4	5BUW	5BU	1ADW	1AD
992	128.5	5BUW	5BU	1BDW	1BD
993	128.8	5BUW	5BU	2ADW	2AD
994	128.6	5BUW	5BU	2BDW	2BD
995	128.8	5BUW	5BU	3ADW	3AD
996	128.8	5BUW	5BU	3BDW	3BD
997	128.5	5BUW	5BU	4ADW	4AD
998	128.6	5BUW	5BU	4BDW	4BD
999	128.6	5BUW	5BU	5ADW	5AD
1000	128.7	5BUW	5BU	5BDW	5BD

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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)
D1	39M1G7W	39100	8	60000	0.614		7.3	19.5
D2	7M00G7W	7000	4	8000	0.691		6.9	19.1
D3	98M0G7W	98000	4	100000	0.614		5.9	18.1
D4	48M0G7W	48000	8	73000	0.614		9.5	21.7
D5	1M50G7W	1500	4	1200	0.475		2.5	14.7
D6	42M0G7W	42000	4	52110	0.75		4.8	17
D7	42M0G7W	42000	8	69500	0.667		7.6	19.8
D8	42M0G7W	42000	16	104230	0.75		10.2	22.4
D9	2M40G7W	2400	4	3000	0.75		4.8	17
D10	2M40G7W	2400	8	4000	0.667		7.6	19.8
D11	305KG7W	305	4	380	0.75		4.8	17
D12	36K0G7W	36	2	20	0.667		0.1	12.3

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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.				
1	1000	D1		3	42	Tables 6 and 7		63.49	11.34	17.34	46.23	54.23	-123.01	25.59
1	1000	D2		16	7.8	Tables 6 and 7		60.99	9.41	15.41	38.96	46.96	-122.78	25.59
1	900	D3		1	125	Tables 8 and 9		63.49	18.31	24.31	54	62	-119.22	20.26
1	900	D4		2	62.5	Tables 8 and 9		63.49	14.56	20.56	47.99	55.99	-122.11	20.26
1	1000	D5		40	3.1	Tables 10 and		44.18	-0.78	5.22	34.98	42.98	-120.15	39.57
1	900	D6		2	62.5	Tables 12 and		65.99	8	14	47.99	55.99	-121.54	20.26
1	900	D7		2	62.5	Tables 12 and		65.99	8	14	47.99	55.99	-121.54	20.26
1	900	D8		2	62.5	Tables 14 and		65.99	8	14	47.99	55.99	-121.54	20.26
1	1000	D9		50	2.5	Tables 14 and		44.18	3	9	34.01	42.01	-123.22	39.57
1	1000	D10		50	2.5	Tables 16 and		44.18	3	9	34.01	42.01	-123.22	39.57
1	1000	D11		250	0.5	Tables 16 and		44.18	-3	3	27.02	35.02	-121.18	39.57
1	1000	D12		1500	0.083	Tables 18 and		44.18	-12	-6	19.24	27.24	-119.93	39.57

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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): #Error

Remote Control (TT C) Location(s):

S14a: Street Address: Vernon Valley TT&C			
S14b. City: Sussex	S14c. County: Sussex	S14d. State/Country NJ	S14e. Zip Code: 07461
S14f. Telephone Number: 973-823-6000		S14g. Call Sign of Control Station (if appropriate): E040368	

Remote Control (TT C) Location(s):

S14a: Street Address: South Mountain Earth Station			
S14b. City: Somis	S14c. County: Ventura	S14d. State/Country CA	S14e. Zip Code: 93066
S14f. Telephone Number: 805-386-2710		S14g. Call Sign of Control Station (if appropriate): E930436	

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Characteristics and
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S15. SPACECRAFT PHYSICAL CHARACTERISTICS:

S15a. Mass of spacecraft without fuel (kg): 1952	Spacecraft Dimensions (meters)	Probability of Survival to End of Life (0.0 - 1.0)
S15b. Mass of fuel and disposables at launch (kg): 2133		
S15c. Mass of spacecraft and fuel at launch (kg): 4065	S15f. Length (m): 27	S15i. Payload: 0.7897
S15d. Mass of fuel, in orbit, at beginning of life (kg): 680	S15g. Width (m): 7	S15j. Bus: 0.882
S15e. Deployed Area of Solar Array (square meters): 71.33	S15h. Height (m): 4.5	S15k. Total: 0.6965

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): 7503	(f): 7503	(k): 2235	(p): 2235
Bus (Watts):	(b): 551.7	(g): 541.9	(l): 2239	(q): 1665
Total (Watts):	(c): 8054.7	(h): 8044.9	(m) 4474	(r): 3900
Solar Array (Watts):	(d): 12425	(i): 11070	(n): 4500	(s): 3900
Depth of Battery Discharge (%):	(e) 72.6 %	(j) %	(o) 40 %	(t) %

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.