APPENDIX C

FREQUENCY PLANS

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies.
(This table will be used for the Channel Frequency fields.
See key at end of table.)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
0	0	NONE	NONE	NONE	N/A	
1	1	SHF	250.350	W1	N1	Fleet broadcast
2	2	SHF	250.400		N'1	"
3	3	SHF	250.450	A1	O1	"
4	4	SHF	250.500		O'1	"
5	5	SHF	250.550	B1	P1	"
6	6	SHF	250.600		P'1	"
7	7	SHF	250.650	C1	Q1	"
8	8	SHF	250.700		Q'1	"
9	9	292.850	251.850	W3	N2	NAVY 25kHz CHANNELS, 41 MHz OFFSET
10	0A	292.950	251.950	A2	O2	"
11	0B	293.050	252.050	B2	P2	"
12	0C	293.150	252.150	C2	Q2	"
13	0D	294.550	253.550	W4	N3	"
14	0E	294.650	253.650	A3	O3	"
15	0F	294.750	253.750	B3	P3	"
16	10	294.850	253.850	C3	Q3	"
17	11	296.250	255.250	W5	N4	"

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
18	12	296.350	255.350	A4	O4	"
19	13	296.450	255.450	B4	P4	"
20	14	296.550	255.550	C4	Q4	NAVY 25kHz CHANNELS, 41 MHz OFFSET
21	15	297.850	256.850	W6	N5	"
22	16	297.950	256.950	A5	O5	"
23	17	298.050	257.050	B5	P5	"
24	18	298.150	257.150	C5	Q5	"
25	19	299.350	258.350	W7	N6	"
26	1A	299.450	258.450	A6	O6	"
27	1B	299.550	258.550	B6	P6	"
28	1C	299.650	258.650	C6	Q6	"
29	1D	306.250	265.250	W8	N7	"
30	1E	306.350	265.350	A7	O7	"
31	1F	306.450	265.450	B7	P7	"
32	20	306.550	265.550	C7	Q7	"
33	21	307.750	266.750	*	N8	"
34	22	307.850	266.850	A8	O8	"
35	23	307.950	266.950	B8	P8	"
36	24	308.050	267.050	C8	Q8	"
37	25	309.150	268.150		N9	"
38	26	309.250	268.250	A9	O9	"
39	27	309.350	268.350	B9	P9	"
40	28	309.450	268.450	C9	Q9	"
41	29	310.650	269.650		N10	"
42	2A	310.750	269.750	A10	O10	"

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
43	2B	310.850	269.850	B10	P10	"
44	2C	310.950	269.950	C10	Q10	"
45	2D	293.950	260.350	A23-1		DOD 500 kHz CHANNELS/ UFO 25kHz CHANNELS
46	2E	293.975	260.375	A23-2	N11	"
47	2F	294.000	260.400	A23-3		"
48	30	294.025	260.425	A23-4	P11	"
49	31	294.050	260.450	A23-5		"
50	32	294.075	260.475	A23-6	N12	"
51	33	294.100	260.500	A23-7		"
52	34	294.125	260.525	A23-8	P12	"
53	35	294.150	260.550	A23-9		"
54	36	294.175	260.575	A23-10	O11	"
55	37	294.200	260.600	A23-11		"
56	38	294.225	260.625	A23-12	Q11	"
57	39	294.250	260.650	A23-13		"
58	3A	294.275	260.675	A23-14	O12	
59	3B	294.300	260.700	A23-15		DOD 500 kHz CHANNELS/ UFO 25kHz CHANNELS
60	3C	294.325	260.725	A23-16	Q12	"
61	3D	294.350	260.750	A23-17		"
62	3E	294.375	260.775	A23-18		"
63	3F	294.400	260.800	A23-19		"

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
64	40	294.425	260.825	A23-20		"
65	41	294.450	260.850	A23-21		"
66	42	295.050	261.450	B23-1		"
67	43	295.075	261.475	B23-2		"
68	44	295.100	261.500	B23-3		DOD 500 kHz CHANNELS/ UFO 25kHz CHANNELS
69	45	295.125	261.525	B23-4		"
70	46	295.150	261.550	B23-5		"
71	47	295.175	261.575	B23-6	N13	"
72	48	295.200	261.600	B23-7		"
73	49	295.225	261.625	B23-8	P13	"
74	4A	295.250	261.650	B23-9		"
75	4B	295.275	261.675	B23-10	N14	"
76	4C	295.300	261.700	B23-11		"
77	4D	295.325	261.725	B23-12	P14	"
78	4E	295.350	261.750	B23-13		"
79	4F	295.375	261.775	B23-14	N15	"
80	50	295.400	261.800	B23-15		"
81	51	295.425	261.825	B23-16	P15	"
82	52	295.450	261.850	B23-17		"
83	53	295.475	261.875	B23-18	N16	"
84	54	295.500	261.900	B23-19		"
85	55	295.525	261.925	B23-20	P16	"
86	56	295.550	261.950	B23-21		"

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
87	57	295.650	262.050	C23-1		"
88	58	295.675	262.075	C23-2	O13	"
89	59	295.700	262.100	C23-3		"
90	5A	295.725	262.125	C23-4	Q13	"
91	5B	295.750	262.150	C23-5		"
92	5C	295.775	262.175	C23-6	O14	"
93	5D	295.800	262.200	C23-7		"
94	5E	295.825	262.225	C23-8	Q14	DOD 500 kHz CHANNELS/ UFO 25kHz CHANNELS
95	5F	295.850	262.250	C23-9		"
96	60	295.875	262.275	C23-10	O15	"
97	61	295.900	262.300	C23-11		"
98	62	295.925	262.325	C23-12	Q15	"
99	63	295.950	262.350	C23-13		"
100	64	295.975	262.375	C23-14	O16	"
101	65	296.000	262.400	C23-15		"
102	66	296.025	262.425	C23-16	Q16	"
103	67	296.050	262.450	C23-17		"
104	68	296.075	262.475	C23-18		"
105	69	296.100	262.500	C23-19		"
106	6A	296.125	262.525	C23-20		"
107	6B	296.150	262.550	C23-21		"
108	6C	297.150	263.550	W2-1		"
109	6D	297.175	263.575	W2-2	N17	"
110	6E	297.200	263.600	W2-3		"

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
111	6F	297.225	263.625	W2-4	P17	"
112	70	297.250	263.650	W2-5		"
113	71	297.275	263.675	W2-6	N18	"
114	72	297.300	263.700	W2-7		"
115	73	297.325	263.725	W2-8	P18	"
116	74	297.350	263.750	W2-9		"
117	75	297.375	263.775	W2-10	O17	"
118	76	297.400	263.800	W2-11		DOD 500 kHz CHANNELS/ UFO 25 kHz CHANNELS
119	77	297.425	263.825	W2-12	Q17	"
120	78	297.450	263.850	W2-13		"
121	79	297.475	263.875	W2-14	O18	"
122	7A	297.500	263.900	W2-15		"
123	7B	297.525	263.925	W2-16	Q18	"
124	7C	297.550	263.950	W2-17		"
125	7D	297.575	263.975	W2-18		"
126	7E	297.600	264.000	W2-19		"
127	7F	297.625	264.025	W2-20		"
128	80	297.650	264.050	W2-21		"
129	81	302.445	248.845		N27	GAPFILLER 500 kHz CHANNELS/ UFO 5 kHz CHANNELS
130	82	302.450	248.850	G1		"
131	83	302.455	248.855		N28	"

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
132	84	302.465	248.865		N29	"
133	85	302.475	248.875	G2	N30	"
134	86	302.485	248.885		N31	"
135	87	302.495	248.895		N32	"
136	88	302.500	248.900	G3		"
137	89	302.505	248.905		N33	"
138	8A	302.515	248.915		N34	"
139	8B	302.525	248.925	G4	N35	"
140	8C	302.535	248.935		N36	"
141	8D	302.545	248.945		N37	"
142	8E	302.550	248.950	G5		GAPFILLER 500 kHz CHANNELS/ UFO 5 kHz CHANNELS
143	8F	302.555	248.955		N38	"
144	90	302.565	248.965		N39	"
145	91	302.575	248.975	G6	O27	"
146	92	302.585	248.985		O28	"
147	93	302.595	248.995		O29	"
148	94	302.600	249.000	G7		"
149	95	302.605	249.005		O30	"
150	96	302.615	249.015		O31	"
151	97	302.625	249.025	G8	O32	"
152	98	302.635	249.035		O33	"
153	99	302.645	249.045		O34	"
154	9A	302.650	249.050	G9		"
155	9B	302.655	249.055		O35	"

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
156	9C	302.665	249.065		O36	"
157	9D	302.675	249.075	G10	O37	"
158	9E	302.685	249.085		O38	"
159	9F	302.695	249.095		O39	"
160	A0	302.700	249.100	G11		"
161	A1	302.705	249.105		P27	"
162	A2	302.715	249.115		P28	"
163	A3	302.725	249.125	G12	P29	"
164	A4	302.735	249.135		P30	"
165	A5	302.745	249.145		P31	"
166	A6	302.750	249.150	G13		"
167	A7	302.755	249.155		P32	"
168	A8	302.765	249.165		P33	GAPFILLER 500 kHz CHANNELS/ UFO 5 kHz CHANNELS
169	A9	302.775	249.175	G14	P34	"
170	AA	302.785	249.185		P35	"
171	AB	302.795	249.195		P36	"
172	AC	302.800	249.200	G15		"
173	AD	302.805	249.205		P37	"
174	AE	302.815	249.215		P38	"
175	AF	302.825	249.225	G16	P39	"
176	BO	302.835	249.235		Q27	"
177	B1	302.845	249.245		Q28	"
178	B2	302.850	249.250	G17		"
179	B3	302.855	249.255		Q29	"

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
180	B4	302.865	249.265		Q30	"
181	B5	302.875	249.275	G18	Q31	"
182	B6	302.885	249.285		Q32	"
183	B7	302.895	249.295		Q33	"
184	B8	302.900	249.300	G19		"
185	B9	302.905	249.305		Q34	"
186	BA	302.915	249.315		Q35	"
187	BB	302.925	249.325	G20	Q36	"
188	BC	302.935	249.335		Q37	"
189	BD	302.945	249.345		Q38	"
190	BE	302.950	249.350			"
191	BF	302.955	249.355		Q39	"
192	CO	307.750	254.150	GA		GAPFILLER 25 kHz (UFO CHAN N8 UPLINK)
193	C1	311.150	257.550	GB		GAPFILLER 25 kHz
194	C2	316.955	243.855	W9		AFSAT/ LEASAT NON-PROC. 5 kHz REPLACE-MENT CHANNELS
195	C3	316.960	243.860	W10		"
196	C4	316.975	243.875	W11		"
197	C5	317.000	243.900	W12		"
198	C6	317.010	243.910	W13		"
199	C7	317.015	243.915		N19	"

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
200	C8	317.025	243.925		N20	"
201	C9	317.035	243.935		N21	"
202	CA	317.045	243.945	A11	N22	"
203	CB	317.055	243.955	A12	N23	"
204	CC	317.065	243.965	A14	N24	"
205	CD	317.075	243.975	A16	N25	"
206	CE	317.085	243.985	A18	N26	"
207	CF	317.090	243.990	A19		"
208	DO	317.095	243.995	A20	O19	"
209	D1	317.100	244.000	A21		"
210	D2	317.105	244.005		O20	"
211	D3	317.110	244.010	A22		"
212	D4	317.115	244.015		O21	"
213	D5	317.125	244.025		O22	"
214	D6	317.135	244.035		O23	"
215	D7	317.145	244.045	B11	O24	AFSAT/ LEASAT NON-PROC. 5 kHz REPLACE-MENT CHANNELS
216	D8	317.155	244.055	B12	O25	"
217	D9	317.165	244.065	B14	O26	"
218	DA	317.175	244.075	B16	P19	"
219	DB	317.185	244.085	B18	P20	"
220	DC	317.190	244.090	B19		"
221	DD	317.195	244.095	B20	P21	"

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
222	DE	317.200	244.100	B21		"
223	DF	317.205	244.105		P22	"
224	EO	317.210	244.110	B22		"
225	E1	317.215	244.115		P23	"
226	E2	317.225	244.125		P24	"
227	E3	317.235	244.135		P25	"
228	E4	317.245	244.145	C11	P26	"
229	E5	317.255	244.155	C12	Q19	"
230	E6	317.265	244.165	C14	Q20	"
231	E7	317.275	244.175	C16	Q21	"
232	E8	317.285	244.185	C18	Q22	"
233	E9	317.290	244.190	C19		"
234	EA	317.295	244.195	C20	Q23	"
235	EB	317.300	244.200	C21		"
236	EC	317.305	244.205		Q24	AFSAT/ LEASAT NON-PROC. 5kHz REPLACE-MENT CHANNEL
237	ED	317.310	244.210	C22		"
238	EE	317.315	244.215		Q25	"
239	EF	317.325	244.225		Q26	"
240	FO					
241	F1					
242	F2					
243	F3					

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
244	F4					
245	F5					
246	F6					
247	F7					
248	F8					
249	F9					
250	FA					
251	FB					
252	FC					
253	FD					
254	FE					
255	FF					

* 307.750 MHz was used as the Gapfiller Channel A uplink frequency. 266.750 MHz is not in currect use as a downlink frequency.

TABLE 30-IA. Current and UHF Follow-on receive and transmit frequencies. (Concluded)

Key to channel numbers: There are several frequency plans used on UHF satellites for the DoD. The Fleet SatCom satellites use frequency plans A, B, and C. The Leased Satellites (LEASATS) use X, Y, and Z, which are abbreviated plans A, B, and C (LEASATs have fewer channels). In addition, LEASAT has plan W, which shares frequencies with with AFSATCOM polar frequency plan E. Gapfiller has been labeled for this table as "G". UHF Follow-On (UFO) uses four frequency plans, N, O, P, and Q. In addition, there are alternate Fleet Broadcast downlink frequencies labeled N', O', P', and Q'.

Table 30-IA lists "present Channel" and "UFO Channel" as follows: Frequency plan, transponder number, and an optional transponder subdivision. As an example, Channel Number 46 (Hex 2E) is A23-2. This corresponds to FleetSatCom frequency plan A, a DoD 500kHz wideband channel (used as a 25kHz sub-channel) which is being replaced by UFO 25 kHz channel N11 (frequency plan N, transponder 11).

TABLE 30-IB. Current and UHF Follow-on receive and transmit frequencies.

(This table will be used for the Preset Channel Codes, in accordance with the 5.2.2.1.7.3h. Slot Connect message.)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
0	0	SHF	250.350	W1	N1	Fleet broadcast
1	1	SHF	250.400		N'1	"
2	2	SHF	250.450	A1	O1	"
3	3	SHF	250.500		O'1	"
4	4	SHF	250.550	B1	P1	"
5	5	SHF	250.600		P'1	"
6	6	SHF	250.650	C1	Q1	"
7	7	SHF	250.700		Q'1	"
8	8	292.850	251.850	W3	N2	NAVY 25kHz CHANNELS, 41 MHz OFFSET
9	9	292.950	251.950	A2	O2	"
10	0A	293.050	252.050	B2	P2	"
11	0B	293.150	252.150	C2	Q2	"
12	0C	294.550	253.550	W4	N3	"
13	0D	294.650	253.650	A3	O3	"
14	0E	294.750	253.750	B3	P3	"
15	0F	294.850	253.850	C3	Q3	"
16	10	296.250	255.250	W5	N4	"
17	11	296.350	255.350	A4	O4	"
18	12	296.450	255.450	B4	P4	"
19	13	296.550	255.550	C4	Q4	"
20	14	297.850	256.850	W6	N5	"
21	15	297.950	256.950	A5	O5	"

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
22	16	298.050	257.050	B5	P5	"
23	17	298.150	257.150	C5	Q5	NAVY 25kHz CHANNELS, 41 MHz OFFSET
24	18	299.350	258.350	W7	N6	"
25	19	299.450	258.450	A6	O6	"
26	1A	299.550	258.550	B6	P6	"
27	1B	299.650	258.650	C6	Q6	"
28	1C	306.250	265.250	W8	N7	"
29	1D	306.350	265.350	A7	O7	"
30	1E	306.450	265.450	B7	P7	"
31	1F	306.550	265.550	C7	Q7	"
32	20	307.750	266.750	*	N8	"
33	21	307.850	266.850	A8	O8	"
34	22	307.950	266.950	B8	P8	"
35	23	308.050	267.050	C8	Q8	"
36	24	309.150	268.150		N9	"
37	25	309.250	268.250	A9	O9	"
38	26	309.350	268.350	B9	P9	"
39	27	309.450	268.450	C9	Q9	"
40	28	310.650	269.650		N10	"
41	29	310.750	269.750	A10	O10	"
42	2A	310.850	269.850	B10	P10	"
43	2B	310.950	269.950	C10	Q10	"
44	2C	293.975	260.375	A23-2	N11	DOD 500 kHz CHANNELS/ UFO 25kHz CHANNELS

TABLE 30-IB. Current and UHF Follow-on receive and transmit frequencies. (Continued)

CHANNEL NUMBER		UPLINK FREQUENCY (MHz)	DOWNLINK FREQUENCY (MHz)	PRESENT CHANNEL	UFO CHANNEL	NOTES
DECIMAL	HEX					
45	2E	294.025	260.425	A23-4	P11	"
46	30	294.075	260.475	A23-6	N12	"
47	32	294.125	260.525	A23-8	P12	DOD 500 kHz CHANNELS/ UFO 25kHz CHANNELS
48	34	294.175	260.575	A23-10	O11	"
49	36	294.225	260.625	A23-12	Q11	"
50	38	294.275	260.675	A23-14	O12	"
51	3A	294.325	260.725	A23-16	Q12	"
52	3C	295.175	261.575	B23-6	N13	"
53	47	295.225	261.625	B23-8	P13	"
54	49	295.275	261.675	B23-10	N14	"
55	4B	295.325	261.725	B23-12	P14	"
56	4D	295.375	261.775	B23-14	N15	"
57	4F	295.425	261.825	B23-16	P15	"
58	51	295.475	261.875	B23-18	N16	"
59	53	295.525	261.925	B23-20	P16	"
60	55	295.675	262.075	C23-2	O13	"
61	58	295.725	262.125	C23-4	Q13	"
62	5A	295.775	262.175	C23-6	O14	"
63	5C	295.825	262.225	C23-8	Q14	"

* 307.750 MHz was used as the Gapfiller Channel A uplink frequency. 266.750 MHz is not in currect use as a downlink frequency.

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