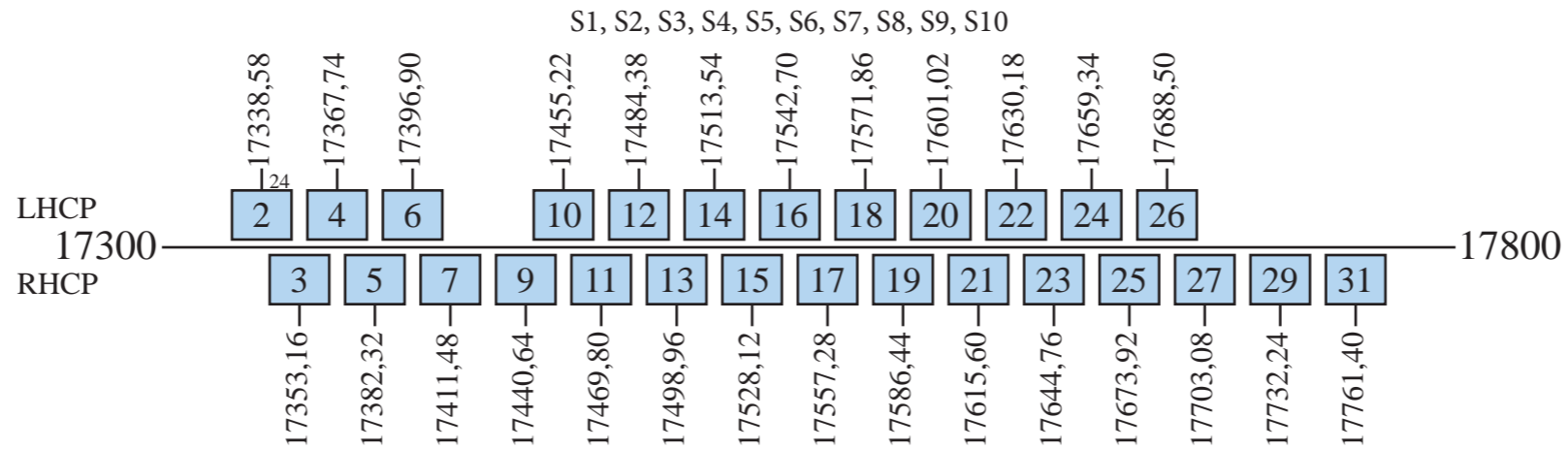


Echostar 10

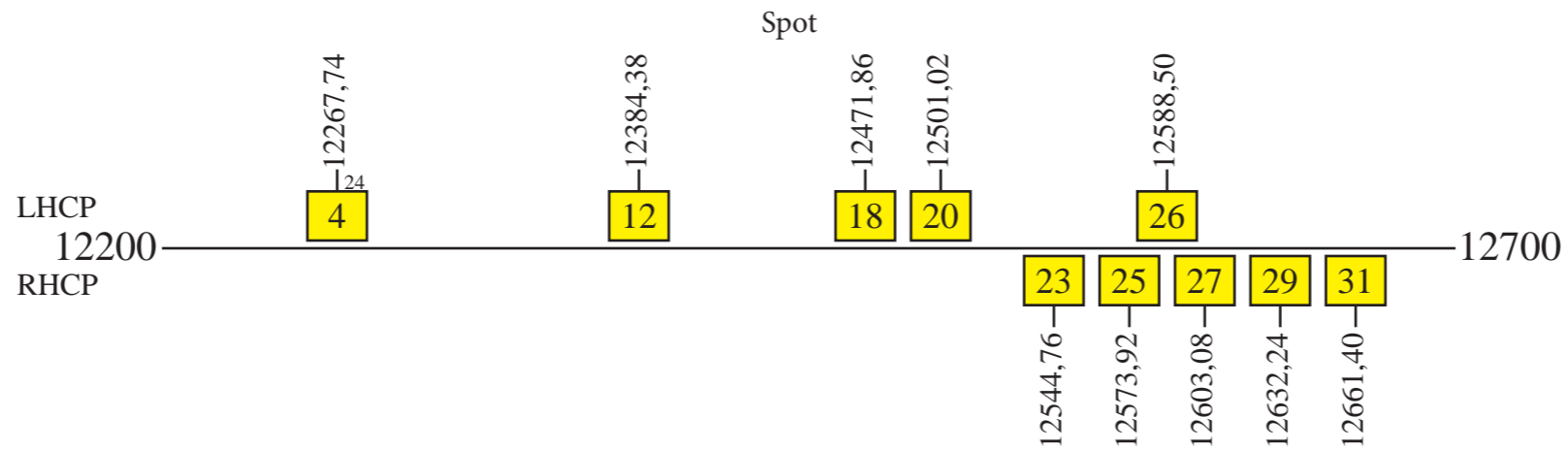
Frequency Plan

Uplink



Note: S1=Cheyenne (WY) S2=Gilbert (AZ) S3=Richmond (VA) S4=Peoria(IL) S5=Spokane(WA) S6=San Antonio (TX) S7=Anchorage (AK) S8=Honolulu (HI) S9=San Juan (Puerto Rico) S10=Havana (Cuba).

Downlink



Command 1a: 17304,00 H Omni
 Command 1b: 17304,00 V Global
 Command 2a: 17306,00 H Omni
 Command 2b: 17306,00 V Global
 Telemetry 1a: 12201,00 V Omni
 Telemetry 1b: 12201,00 V Global
 Telemetry 2a: 12696,50 V Omni
 Telemetry 2b: 12696,50 V Global
 Telemetry 3a: 12699,50 V Omni
 Telemetry 3b: 12699,50 V Global

Spot Beam Interconnectivity					
U/L Site	U/L Ch	U/L Pol	D/L Beam	D/L Ch	D/L Pol
S3	4	L	1	4	L
S3	12	L	1	12	L
S3	27	R	1	27	R
S3	29	R	1	29	R
S3	31	R	1	31	R
S3	17	R	2	27	R
S3	19	R	2	29	R
S6	6	L	2	4	L
S3	23	R	3	23	R
S3	25	R	3	25	R
S3	2	L	4	4	L
S3	10	L	4	12	L
S3	16	L	4	18	L
S3	22	L	4	20	L
S3	24	L	4	26	L
S3	13	R	5	23	R
S3	15	R	5	25	R
S3	21	R	5	31	R
S3	18	L	6	18	L
S3	20	L	6	20	L
S3	26	L	6	26	L
S6	4	L	7	4	L
S6	12	L	7	12	L
S3	3	R	8	23	R
S3	5	R	8	25	R
S3	7	R	9	27	R
S3	9	R	9	29	R
S3	11	L	9	31	R
S3	6	L	10	4	L
S3	14	L	10	12	L
S4	13	R	10	23	R
S4	27	R	10	27	R
S4	29	R	11	29	R
S4	31	R	11	31	R
S6	26	L	11	26	L
S6	23	R	12	23	R
S6	25	R	12	25	R
S4	12	L	13	12	L
S4	18	L	13	18	L
S4	20	L	13	20	L
S4	26	L	13	26	L
S4	15	R	14	25	R
S6	20	L	14	20	L
S6	17	R	15	17	R
S6	18	L	15	18	L
S6	2	L	16	4	L
S6	10	L	16	12	L
S6	27	R	17	27	R
S6	29	R	17	29	R
S4	4	L	18	4	L
S4	17	R	19	17	R
S4	19	R	19	29	R
S4	21	R	19	31	R
S4	24	L	19	26	L
S4	2	L	20	4	L
S4	10	L	20	12	L
S6	3	R	20	23	R
S6	19	R	21	29	R
S6	21	R	21	31	R
S6	22	L	21	20	L
S6	13	R	22	23	R
S6	15	R	22	25	R
S4	23	R	23	23	R
S4	25	R	23	25	R
S6	16	L	23	16	L
S4	11	R	24	31	R
S4	16	L	24	18	L
S4	22	L	24	20	L

Spot Beam Interconnectivity					
U/L Site	U/L Ch	U/L Pol	D/L Beam	D/L Ch	D/L Pol
S6	5	R	25	25	R
S6	11	R	26	31	R
S6	24	L	26	26	L
S6	14	L	27	12	L
S4	6	L	28	4	L
S4	14	L	28	12	L
S4	7	R	29	27	R
S4	9	R	29	29	R
S1	4	L	30	4	L
S1	12	L	30	12	L
S6	7	R	31	27	R
S6	9	R	31	29	R
S4	3	R	32	23	R
S5	24	L	33	26	L
S2	26	L	34	26	L
S5	23	R	34	23	R
S2	18	L	35	18	L
S2	20	L	35	20	L
S5	2	L	36	4	L
S5	10	L	36	12	L
S5	29	R	37	29	R
S5	31	R	37	31	R
S5	4	L	38	4	L
S5	12	L	38	12	L
S5	17	R	39	27	R
S5	19	R	39	29	R
S5	21	R	39	31	R
S5	16	L	40	18	L
S5	22	L	40	20	L
S5	25	R	41	25	R
S5	13	R	42	23	R
S5	15	R	42	25	R
S5	11	R	43	31	R
S5	18	L	43	18	L
S5	20	L	43	20	L
S5	26	L	43	26	L
S5	7	R	44	27	R
S5	9	R	44	29	R
S5	6	L	45	4	L
S5	14	L	45	12	L
S1	26	L	46	26	L
S2	4	L	46	4	L
S2	12	L	46	12	L
S2	27	R	46	27	R
S2	29	R	46	29	R
S2	31	R	46	31	R
S7	18	L	46	18	L
S7	26	L	46	26	L
S2	23	R	47	23	R
S2	25	R	47	25	R
S2	4	L	47	4	L
S2	12	L	47	12	L
S2	27	R	47	27	R
S2	29	R	47	29	R
S2	31	R	47	31	R
S8	23	R	47	23	R
S8	25	R	47	25	R
S1	18	L	48	18	L
S1	20	L	48	20	L
S1	23	R	48	23	R
S1	25	R	48	25	R
S1	27	R	48	27	R
S10	27	R	48	27	R
S1	18	L	49	18	L
S1	20	L	49	20	L
S1	23	R	49	23	R
S1	25	R	49	25	R
S1	29	R	49	29	R
S9	29	R	49	29	R