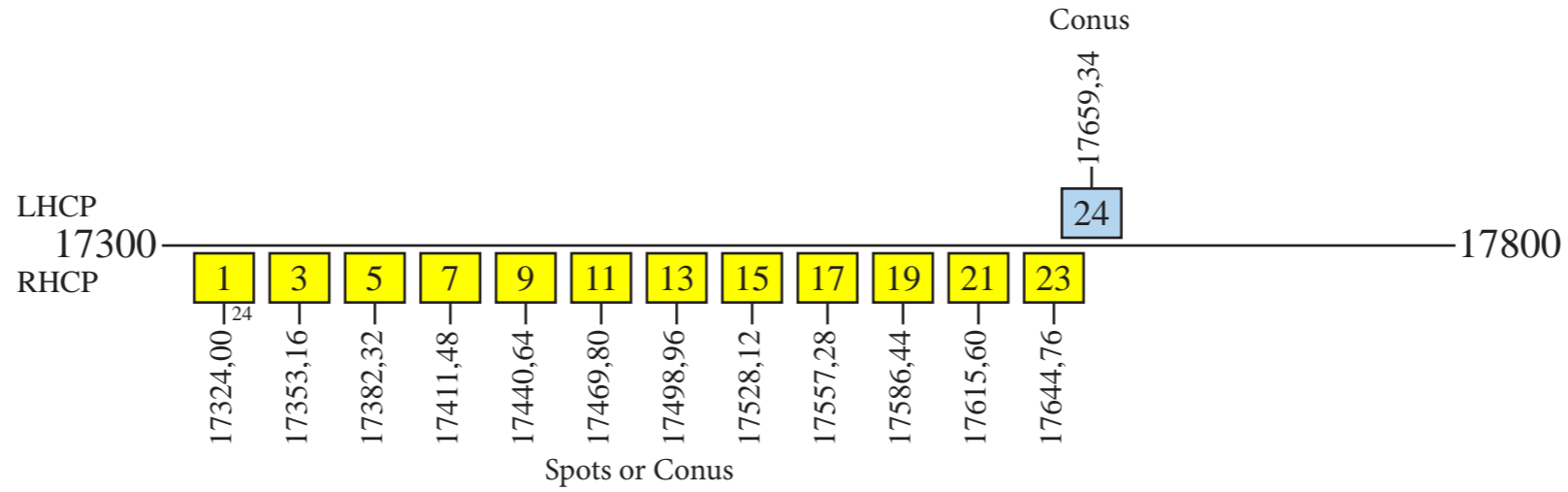


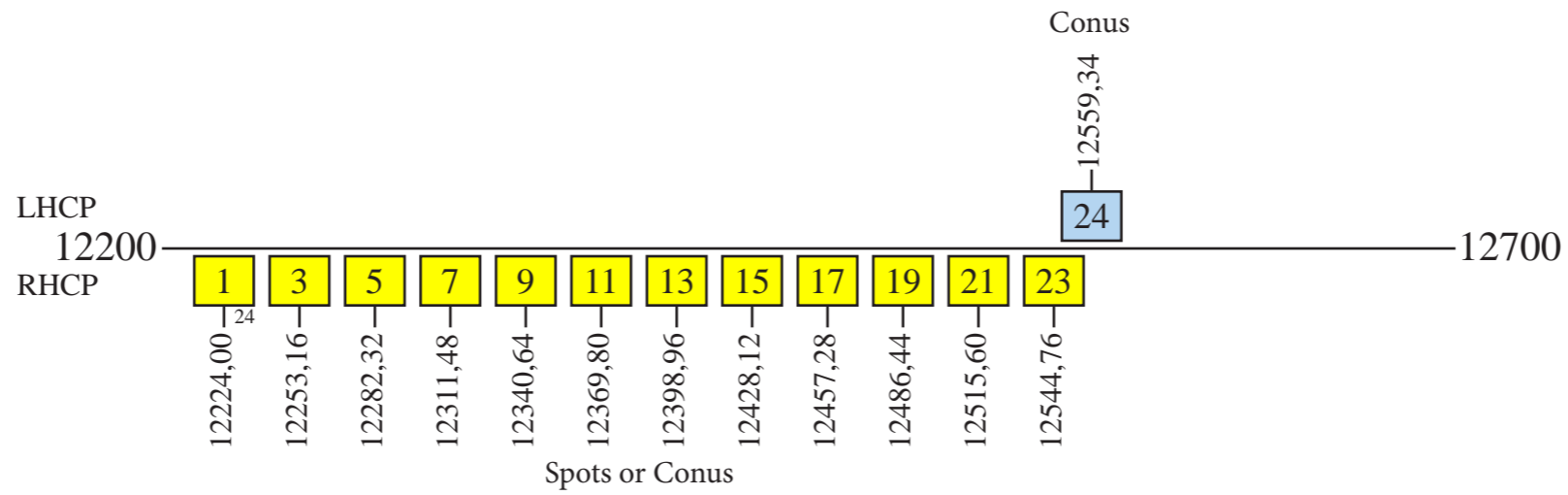
# Echostar 12

## Frequency Plan

### Uplink



### Downlink



Command 1a: 17304,00 H  
Command 1b: 17304,00 V  
Telemetry 1: 12205,00 V  
Telemetry 2: 12697,00 V

Spot Beam Interconnectivity					
U/L Site	U/L Ch	U/L Pol	D/L Beam	D/L Ch	D/L Pol
S1	1	R	1	1	R
S1	3	R	1	3	R
S1	7	R	1	7	R
S1	15	R	1	15	R
S1	17	R	1	17	R
S3	5	R	2	5	R
S3	9	R	2	9	R
S3	11	R	2	11	R
S3	13	R	2	13	R
S3	21	R	2	21	R
S3	1	R	3	1	R
S3	3	R	3	3	R
S3	7	R	3	7	R
S3	15	R	3	15	R
S3	17	R	3	17	R
S3	19	R	3	19	R
S3	23	R	3	23	R
S5	5	R	4	5	R
S5	9	R	4	9	R
S5	11	R	4	11	R
S5	13	R	4	13	R
S5	21	R	4	21	R
S5	1	R	5	1	R
S5	3	R	5	3	R
S5	7	R	5	7	R
S5	15	R	5	15	R
S5	17	R	5	17	R
S5	19	R	5	19	R
S5	23	R	5	23	R
S6	1	R	6	1	R
S6	3	R	6	3	R
S6	7	R	6	7	R
S6	15	R	6	15	R
S6	17	R	6	17	R
S6	19	R	6	19	R
S6	23	R	6	23	R
S12	5	R	7	5	R
S12	9	R	7	9	R
S12	11	R	7	11	R
S12	13	R	7	13	R
S12	21	R	7	21	R
S6	5	R	8	5	R
S6	9	R	8	9	R
S6	11	R	8	11	R
S6	13	R	8	13	R
S9	1	R	9	1	R
S9	3	R	9	3	R
S9	7	R	9	7	R
S9	9	R	9	9	R
S9	15	R	9	15	R
S9	17	R	9	17	R
S9	19	R	9	19	R
S9	23	R	9	23	R
S11	1	R	10	1	R
S11	3	R	10	3	R
S11	7	R	10	7	R
S11	15	R	10	15	R
S11	17	R	10	17	R
S11	19	R	10	19	R
S11	23	R	10	23	R
S11	5	R	11	5	R
S11	9	R	11	9	R
S11	11	R	11	11	R
S11	13	R	11	13	R
S11	21	R	11	21	R
S12	1	R	12	1	R
S12	3	R	12	3	R
S12	7	R	12	7	R
S12	15	R	12	15	R
S12	17	R	12	17	R
S12	19	R	12	19	R
S12	23	R	12	23	R

Spot Beam Interconnectivity					
U/L Site	U/L Ch	U/L Pol	D/L Beam	D/L Ch	D/L Pol
S13	1	R	13	1	R
S13	3	R	13	3	R
S13	7	R	13	7	R
S13	15	R	13	15	R
S13	17	R	13	17	R
S13	19	R	13	19	R
S13	23	R	13	23	R
S14	1	R	14	1	R
S14	3	R	14	3	R
S14	7	R	14	7	R
S14	15	R	14	15	R
S14	17	R	14	17	R
S14	19	R	14	19	R
S14	23	R	14	23	R
S14	5	R	15	5	R
S14	11	R	15	11	R
S14	13	R	15	13	R
S14	21	R	15	21	R
S17	1	R	16	1	R
S17	3	R	16	3	R
S17	7	R	16	7	R
S17	15	R	16	15	R
S17	17	R	16	17	R
S17	19	R	16	19	R
S17	23	R	16	23	R
S17	5	R	17	5	R
S17	9	R	17	9	R
S17	11	R	17	11	R
S17	13	R	17	13	R
S17	21	R	17	21	R
S18	1	R	18	1	R
S18	3	R	18	3	R
S18	7	R	18	7	R
S18	9	R	18	9	R
S18	15	R	18	15	R
S18	17	R	18	17	R
S18	19	R	18	19	R
S18	23	R	18	23	R
S18	5	R	19	5	R
S18	11	R	19	11	R
S18	13	R	19	13	R
S18	21	R	19	21	R
S20	5	R	20	5	R
S20	11	R	20	11	R
S20	13	R	20	13	R
S20	17	R	20	17	R
S20	21	R	20	21	R
S21	1	R	21	1	R
S21	3	R	21	3	R
S21	7	R	21	7	R
S21	15	R	21	15	R
S21	17	R	21	17	R
S21	19	R	21	19	R
S21	23	R	21	23	R
S22	5	R	22	5	R
S22	9	R	22	9	R
S22	11	R	22	11	R
S22	13	R	22	13	R
S22	21	R	22	21	R
Conus	1	R	Conus	1	R
Conus	3	R	Conus	3	R
Conus	5	R	Conus	5	R
Conus	7	R	Conus	7	R
Conus	9	R	Conus	9	R
Conus	11	R	Conus	11	R
Conus	13	R	Conus	13	R
Conus	15	R	Conus	15	R
Conus	17	R	Conus	17	R
Conus	19	R	Conus	19	R
Conus	21	R	Conus	21	R
Conus	23	R	Conus	23	R
Conus	24	L	Conus	24	L