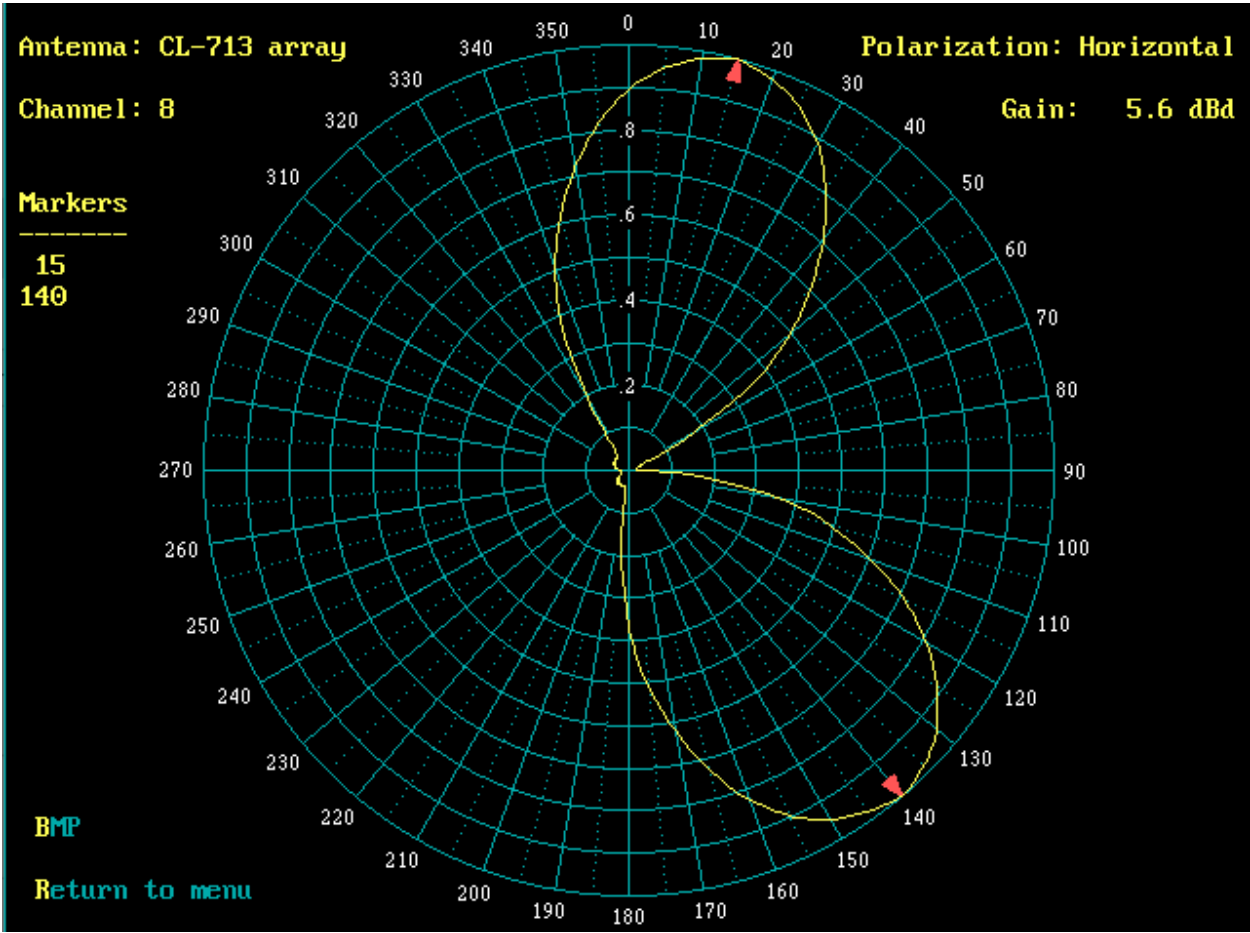


KQSL Transmitter at Paskenta, CA  
Site ID 3 (Newly Proposed Facility)  
73.625 Antenna information

KQSL proposes to use an array of Kathrein-Scala CL-713 pointed at 15 degrees true and 140 degrees true as its third site to fill in coverage of Colusa, Chico and Redding, CA.



# Antenna Azimuth Pattern

Azimuth	Field	Rel.dB	dBd	Pwr Gain
0	0.896	-1.0	4.6	2.884
10	0.982	-0.2	5.4	3.467
20	0.982	-0.2	5.4	3.467
30	0.886	-1.0	4.5	2.818
40	0.713	-2.9	2.6	1.820
50	0.490	-6.2	-0.6	0.871
60	0.173	-15.2	-9.6	0.110
70	0.020	-34.1	-28.5	0.001
80	0.020	-34.1	-28.5	0.001
90	0.040	-28.0	-22.5	0.006
100	0.359	-8.9	-3.3	0.468
110	0.602	-4.4	1.2	1.318
120	0.807	-1.9	3.7	2.344
130	0.946	-0.5	5.1	3.236
140	1.000	0.0	5.6	3.631
150	0.950	-0.4	5.1	3.236
160	0.822	-1.7	3.9	2.455

Azimuth	Field	Rel.dB	dBd	Pwr Gain
170	0.622	-4.1	1.4	1.380
180	0.379	-8.4	-2.9	0.513
190	0.059	-24.5	-18.9	0.013
200	0.040	-28.0	-22.5	0.006
210	0.040	-28.0	-22.5	0.006
220	0.040	-28.0	-22.5	0.006
230	0.035	-29.2	-23.6	0.004
240	0.025	-32.1	-26.6	0.002
250	0.020	-34.1	-28.5	0.001
260	0.020	-34.1	-28.5	0.001
270	0.020	-34.1	-28.5	0.001
280	0.030	-30.5	-25.0	0.003
290	0.035	-29.2	-23.6	0.004
300	0.040	-28.0	-22.5	0.006
310	0.040	-28.0	-22.5	0.006
320	0.040	-28.0	-22.5	0.006
330	0.193	-14.3	-8.7	0.135

Azimuth	Field	Rel.dB	dBd	Pwr Gain
340	0.510	-5.9	-0.3	0.933
350	0.728	-2.8	2.8	1.905

Operating Parameters KQSL  
Site ID 1, Laytonville, CA  
Channel 8

Transmitter Power Output: 876 watts  
Transmitter Line Efficiency: 88%  
Antenna Power Gain – Main Lobe: 5.6 dB  
Effective Radiated Power – Main Lobe: 2.8 kW  
Transmitter Make and Model: Type-accepted  
Transmission Line Make and Model: CommScope LDF5-50A  
Size and Type: 7/8" Foam  
Length: 34 feet

Elevation Pattern

