

4DR-4-2HW Panel array

Ch-24

Maximum gain: 6.0 dBd

Horizontal polarization

Horizontal radiation pattern

0 degree electrical downtilt







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Ch-24

Maximum gain: 6.0 dBd

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Horizontal radiation pattern

0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
0	1.000	0.00	6.00	3.98	45	0.957	-0.38	5.62	3.65
1	0.996	-0.03	5.97	3.95	46	0.964	-0.32	5.68	3.70
2	0.992	-0.07	5.93	3.92	47	0.970	-0.26	5.74	3.75
3	0.988	-0.10	5.90	3.89	48	0.977	-0.21	5.79	3.80
4	0.984	-0.14	5.86	3.85	49	0.982	-0.15	5.85	3.84
5	0.980	-0.17	5.83	3.83	50	0.989	-0.10	5.90	3.89
6	0.974	-0.23	5.77	3.78	51	0.993	-0.06	5.94	3.93
7	0.968	-0.28	5.72	3.73	52	0.997	-0.03	5.97	3.96
8	0.962	-0.34	5.66	3.68	53	1.000	0.00	6.00	3.98
9	0.956	-0.39	5.61	3.64	54	0.995	-0.04	5.96	3.95
10	0.950	-0.45	5.55	3.59	55	0.990	-0.09	5.91	3.90
11	0.940	-0.54	5.46	3.52	56	0.987	-0.11	5.89	3.88
12	0.929	-0.64	5.36	3.44	57	0.984	-0.14	5.86	3.85
13	0.919	-0.73	5.27	3.36	58	0.981	-0.17	5.83	3.83
14	0.908	-0.83	5.17	3.29	59	0.978	-0.19	5.81	3.81
15	0.899	-0.93	5.07	3.21	60	0.975	-0.22	5.78	3.78
16	0.884	-1.07	4.93	3.11	61	0.970	-0.27	5.73	3.74
17	0.871	-1.20	4.80	3.02	62	0.964	-0.32	5.68	3.70
18	0.856	-1.35	4.65	2.92	63	0.959	-0.36	5.64	3.66
19	0.843	-1.49	4.51	2.83	64	0.954	-0.41	5.59	3.62
20	0.829	-1.63	4.37	2.73	65	0.948	-0.46	5.54	3.58
21	0.817	-1.76	4.24	2.66	66	0.942	-0.52	5.48	3.53
22	0.805	-1.88	4.12	2.58	67	0.936	-0.57	5.43	3.49
23	0.794	-2.01	3.99	2.51	68	0.929	-0.64	5.36	3.44
24	0.781	-2.14	3.86	2.43	69	0.924	-0.69	5.31	3.40
25	0.770	-2.27	3.73	2.36	70	0.917	-0.75	5.25	3.35
26	0.769	-2.28	3.72	2.35	71	0.910	-0.82	5.18	3.29
27	0.769	-2.28	3.72	2.35	72	0.901	-0.90	5.10	3.24
28	0.771	-2.26	3.74	2.36	73	0.893	-0.98	5.02	3.17
29	0.779	-2.17	3.83	2.42	74	0.885	-1.06	4.94	3.12
30	0.789	-2.05	3.95	2.48	75	0.877	-1.14	4.86	3.06
31	0.802	-1.92	4.08	2.56	76	0.868	-1.23	4.77	3.00
32	0.814	-1.79	4.21	2.63	77	0.858	-1.33	4.67	2.93
33	0.826	-1.66	4.34	2.72	78	0.849	-1.42	4.58	2.87
34	0.838	-1.54	4.46	2.80	79	0.840	-1.52	4.48	2.81
35	0.850	-1.41	4.59	2.88	80	0.830	-1.62	4.38	2.74
36	0.862	-1.29	4.71	2.96	81	0.819	-1.74	4.26	2.67
37	0.874	-1.17	4.83	3.04	82	0.807	-1.86	4.14	2.59
38	0.886	-1.05	4.95	3.13	83	0.795	-1.99	4.01	2.52
39	0.898	-0.93	5.07	3.21	84	0.784	-2.11	3.89	2.45
40	0.910	-0.82	5.18	3.30	85	0.772	-2.24	3.76	2.38
41	0.919	-0.73	5.27	3.37	86	0.761	-2.38	3.62	2.30
42	0.929	-0.64	5.36	3.44	87	0.748	-2.52	3.48	2.23
43	0.938	-0.55	5.45	3.51	88	0.737	-2.66	3.34	2.16
44	0.948	-0.46	5.54	3.58	89	0.724	-2.80	3.20	2.09





4DR-4-2HW Panel array

Ch-24

Maximum gain: 6.0 dBd

Horizontal polarization

Horizontal radiation pattern

0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
90	0.712	-2.94	3.06	2.02	135	0.020	-33.98	-27.98	0.00
91	0.699	-3.11	2.89	1.95	136	0.020	-33.98	-27.98	0.00
92	0.686	-3.28	2.72	1.87	137	0.020	-33.98	-27.98	0.00
93	0.672	-3.45	2.55	1.80	138	0.020	-33.98	-27.98	0.00
94	0.658	-3.63	2.37	1.73	139	0.020	-33.98	-27.98	0.00
95	0.645	-3.81	2.19	1.66	140	0.020	-33.98	-27.98	0.00
96	0.630	-4.01	1.99	1.58	141	0.020	-33.98	-27.98	0.00
97	0.615	-4.22	1.78	1.51	142	0.020	-33.98	-27.98	0.00
98	0.600	-4.44	1.56	1.43	143	0.020	-33.98	-27.98	0.00
99	0.585	-4.66	1.34	1.36	144	0.020	-33.98	-27.98	0.00
100	0.570	-4.88	1.12	1.29	145	0.020	-33.98	-27.98	0.00
101	0.554	-5.13	0.87	1.22	146	0.020	-33.98	-27.98	0.00
102	0.538	-5.38	0.62	1.15	147	0.020	-33.98	-27.98	0.00
103	0.522	-5.65	0.35	1.08	148	0.020	-33.98	-27.98	0.00
104	0.506	-5.92	0.08	1.02	149	0.020	-33.98	-27.98	0.00
105	0.490	-6.20	-0.20	0.96	150	0.020	-33.98	-27.98	0.00
106	0.473	-6.51	-0.51	0.89	151	0.020	-33.98	-27.98	0.00
107	0.455	-6.84	-0.84	0.82	152	0.020	-33.98	-27.98	0.00
108	0.438	-7.18	-1.18	0.76	153	0.020	-33.98	-27.98	0.00
109	0.420	-7.54	-1.54	0.70	154	0.020	-33.98	-27.98	0.00
110	0.403	-7.90	-1.90	0.64	155	0.020	-33.98	-27.98	0.00
111	0.380	-8.40	-2.40	0.57	156	0.020	-33.98	-27.98	0.00
112	0.358	-8.93	-2.93	0.51	157	0.020	-33.98	-27.98	0.00
113	0.335	-9.50	-3.50	0.45	158	0.020	-33.98	-27.98	0.00
114	0.312	-10.10	-4.10	0.39	159	0.020	-33.98	-27.98	0.00
115	0.290	-10.75	-4.75	0.33	160	0.020	-33.98	-27.98	0.00
116	0.258	-11.75	-5.75	0.27	161	0.020	-33.98	-27.98	0.00
117	0.227	-12.88	-6.88	0.21	162	0.020	-33.98	-27.98	0.00
118	0.195	-14.18	-8.18	0.15	163	0.020	-33.98	-27.98	0.00
119	0.164	-15.70	-9.70	0.11	164	0.020	-33.98	-27.98	0.00
120	0.132	-17.56	-11.56	0.07	165	0.020	-33.98	-27.98	0.00
121	0.116	-18.71	-12.71	0.05	166	0.020	-33.98	-27.98	0.00
122	0.100	-20.04	-14.04	0.04	167	0.020	-33.98	-27.98	0.00
123	0.083	-21.62	-15.62	0.03	168	0.020	-33.98	-27.98	0.00
124	0.066	-23.54	-17.54	0.02	169	0.020	-33.98	-27.98	0.00
125	0.050	-26.02	-20.02	0.01	170	0.020	-33.98	-27.98	0.00
126	0.044	-27.13	-21.13	0.01	171	0.020	-33.98	-27.98	0.00
127	0.038	-28.40	-22.40	0.01	172	0.020	-33.98	-27.98	0.00
128	0.032	-29.90	-23.90	0.00	173	0.020	-33.98	-27.98	0.00
129	0.026	-31.70	-25.70	0.00	174	0.020	-33.98	-27.98	0.00
130	0.020	-33.98	-27.98	0.00	175	0.020	-33.98	-27.98	0.00
131	0.020	-33.98	-27.98	0.00	176	0.020	-33.98	-27.98	0.00
132	0.020	-33.98	-27.98	0.00	177	0.020	-33.98	-27.98	0.00
133	0.020	-33.98	-27.98	0.00	178	0.020	-33.98	-27.98	0.00
134	0.020	-33.98	-27.98	0.00	179	0.020	-33.98	-27.98	0.00





4DR-4-2HW Panel array

Ch-24

Maximum gain: 6.0 dBd

Horizontal polarization

Horizontal radiation pattern

0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
180	0.020	-33.98	-27.98	0.00	225	0.020	-33.98	-27.98	0.00
181	0.020	-33.98	-27.98	0.00	226	0.020	-33.98	-27.98	0.00
182	0.020	-33.98	-27.98	0.00	227	0.020	-33.98	-27.98	0.00
183	0.020	-33.98	-27.98	0.00	228	0.020	-33.98	-27.98	0.00
184	0.020	-33.98	-27.98	0.00	229	0.020	-33.98	-27.98	0.00
185	0.020	-33.98	-27.98	0.00	230	0.020	-33.98	-27.98	0.00
186	0.020	-33.98	-27.98	0.00	231	0.026	-31.70	-25.70	0.00
187	0.020	-33.98	-27.98	0.00	232	0.032	-29.90	-23.90	0.00
188	0.020	-33.98	-27.98	0.00	233	0.038	-28.40	-22.40	0.01
189	0.020	-33.98	-27.98	0.00	234	0.044	-27.13	-21.13	0.01
190	0.020	-33.98	-27.98	0.00	235	0.050	-26.02	-20.02	0.01
191	0.020	-33.98	-27.98	0.00	236	0.066	-23.54	-17.54	0.02
192	0.020	-33.98	-27.98	0.00	237	0.083	-21.62	-15.62	0.03
193	0.020	-33.98	-27.98	0.00	238	0.100	-20.04	-14.04	0.04
194	0.020	-33.98	-27.98	0.00	239	0.116	-18.71	-12.71	0.05
195	0.020	-33.98	-27.98	0.00	240	0.132	-17.56	-11.56	0.07
196	0.020	-33.98	-27.98	0.00	241	0.164	-15.70	-9.70	0.11
197	0.020	-33.98	-27.98	0.00	242	0.195	-14.18	-8.18	0.15
198	0.020	-33.98	-27.98	0.00	243	0.227	-12.88	-6.88	0.21
199	0.020	-33.98	-27.98	0.00	244	0.258	-11.75	-5.75	0.27
200	0.020	-33.98	-27.98	0.00	245	0.290	-10.75	-4.75	0.33
201	0.020	-33.98	-27.98	0.00	246	0.312	-10.10	-4.10	0.39
202	0.020	-33.98	-27.98	0.00	247	0.335	-9.50	-3.50	0.45
203	0.020	-33.98	-27.98	0.00	248	0.358	-8.93	-2.93	0.51
204	0.020	-33.98	-27.98	0.00	249	0.380	-8.40	-2.40	0.57
205	0.020	-33.98	-27.98	0.00	250	0.403	-7.90	-1.90	0.64
206	0.020	-33.98	-27.98	0.00	251	0.420	-7.54	-1.54	0.70
207	0.020	-33.98	-27.98	0.00	252	0.438	-7.18	-1.18	0.76
208	0.020	-33.98	-27.98	0.00	253	0.455	-6.84	-0.84	0.82
209	0.020	-33.98	-27.98	0.00	254	0.473	-6.51	-0.51	0.89
210	0.020	-33.98	-27.98	0.00	255	0.490	-6.20	-0.20	0.96
211	0.020	-33.98	-27.98	0.00	256	0.506	-5.92	0.08	1.02
212	0.020	-33.98	-27.98	0.00	257	0.522	-5.65	0.35	1.08
213	0.020	-33.98	-27.98	0.00	258	0.538	-5.38	0.62	1.15
214	0.020	-33.98	-27.98	0.00	259	0.554	-5.13	0.87	1.22
215	0.020	-33.98	-27.98	0.00	260	0.570	-4.88	1.12	1.29
216	0.020	-33.98	-27.98	0.00	261	0.585	-4.66	1.34	1.36
217	0.020	-33.98	-27.98	0.00	262	0.600	-4.44	1.56	1.43
218	0.020	-33.98	-27.98	0.00	263	0.615	-4.22	1.78	1.51
219	0.020	-33.98	-27.98	0.00	264	0.630	-4.01	1.99	1.58
220	0.020	-33.98	-27.98	0.00	265	0.645	-3.81	2.19	1.66
221	0.020	-33.98	-27.98	0.00	266	0.658	-3.63	2.37	1.73
222	0.020	-33.98	-27.98	0.00	267	0.672	-3.45	2.55	1.80
223	0.020	-33.98	-27.98	0.00	268	0.686	-3.28	2.72	1.87
224	0.020	-33.98	-27.98	0.00	269	0.699	-3.11	2.89	1.95





4DR-4-2HW Panel array

Ch-24

Maximum gain: 6.0 dBd

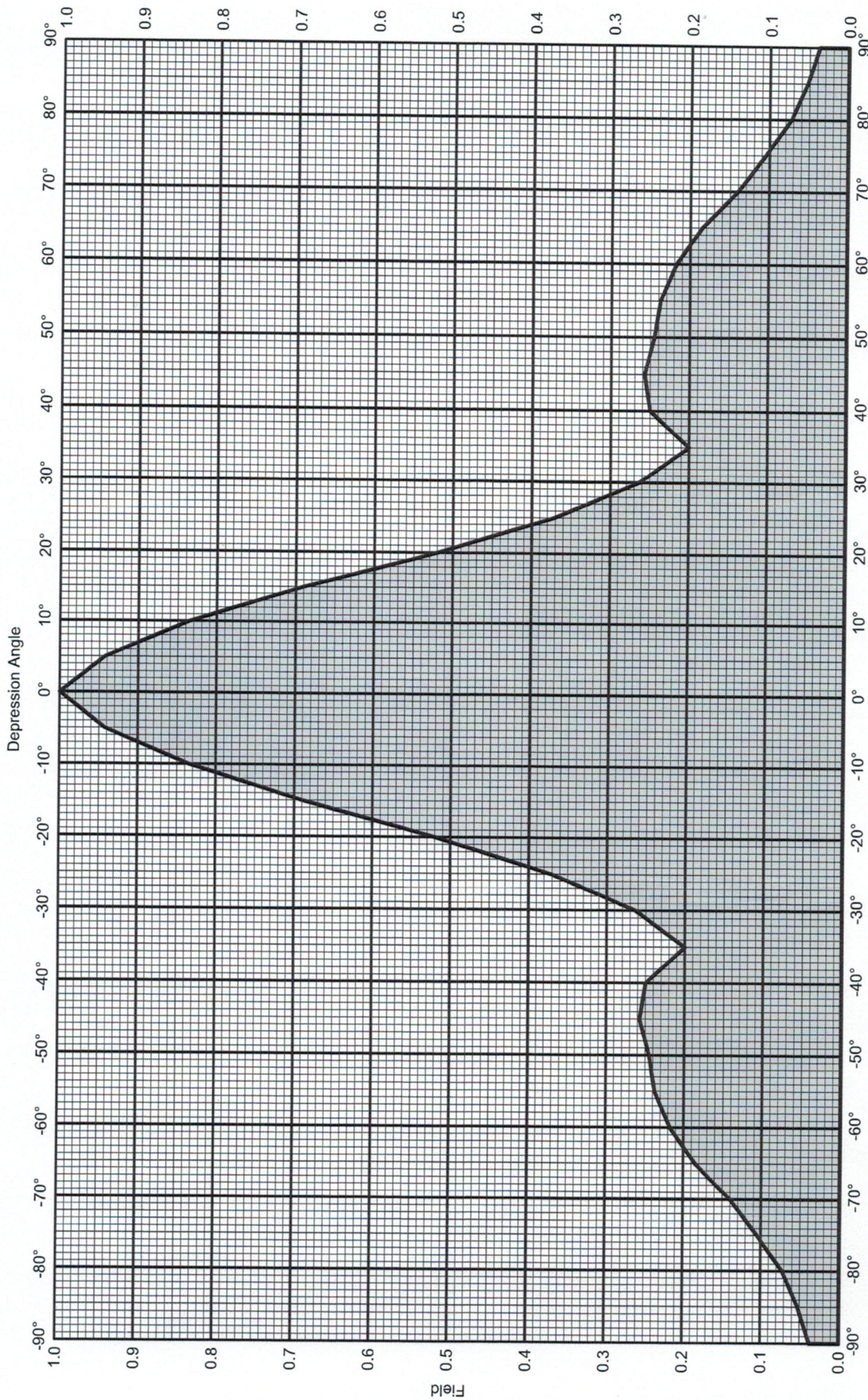
Horizontal polarization

Horizontal radiation pattern

0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
270	0.712	-2.94	3.06	2.02	315	0.957	-0.38	5.62	3.65
271	0.724	-2.80	3.20	2.09	316	0.948	-0.46	5.54	3.58
272	0.737	-2.66	3.34	2.16	317	0.938	-0.55	5.45	3.51
273	0.748	-2.52	3.48	2.23	318	0.929	-0.64	5.36	3.44
274	0.761	-2.38	3.62	2.30	319	0.919	-0.73	5.27	3.37
275	0.772	-2.24	3.76	2.38	320	0.910	-0.82	5.18	3.30
276	0.784	-2.11	3.89	2.45	321	0.898	-0.93	5.07	3.21
277	0.795	-1.99	4.01	2.52	322	0.886	-1.05	4.95	3.13
278	0.807	-1.86	4.14	2.59	323	0.874	-1.17	4.83	3.04
279	0.819	-1.74	4.26	2.67	324	0.862	-1.29	4.71	2.96
280	0.830	-1.62	4.38	2.74	325	0.850	-1.41	4.59	2.88
281	0.840	-1.52	4.48	2.81	326	0.838	-1.54	4.46	2.80
282	0.849	-1.42	4.58	2.87	327	0.826	-1.66	4.34	2.72
283	0.858	-1.33	4.67	2.93	328	0.814	-1.79	4.21	2.63
284	0.868	-1.23	4.77	3.00	329	0.802	-1.92	4.08	2.56
285	0.877	-1.14	4.86	3.06	330	0.789	-2.05	3.95	2.48
286	0.885	-1.06	4.94	3.12	331	0.779	-2.17	3.83	2.42
287	0.893	-0.98	5.02	3.17	332	0.771	-2.26	3.74	2.36
288	0.901	-0.90	5.10	3.24	333	0.769	-2.28	3.72	2.35
289	0.910	-0.82	5.18	3.29	334	0.769	-2.28	3.72	2.35
290	0.917	-0.75	5.25	3.35	335	0.770	-2.27	3.73	2.36
291	0.924	-0.69	5.31	3.40	336	0.781	-2.14	3.86	2.43
292	0.929	-0.64	5.36	3.44	337	0.794	-2.01	3.99	2.51
293	0.936	-0.57	5.43	3.49	338	0.805	-1.88	4.12	2.58
294	0.942	-0.52	5.48	3.53	339	0.817	-1.76	4.24	2.66
295	0.948	-0.46	5.54	3.58	340	0.829	-1.63	4.37	2.73
296	0.954	-0.41	5.59	3.62	341	0.843	-1.49	4.51	2.83
297	0.959	-0.36	5.64	3.66	342	0.856	-1.35	4.65	2.92
298	0.964	-0.32	5.68	3.70	343	0.871	-1.20	4.80	3.02
299	0.970	-0.27	5.73	3.74	344	0.884	-1.07	4.93	3.11
300	0.975	-0.22	5.78	3.78	345	0.899	-0.93	5.07	3.21
301	0.978	-0.19	5.81	3.81	346	0.908	-0.83	5.17	3.29
302	0.981	-0.17	5.83	3.83	347	0.919	-0.73	5.27	3.36
303	0.984	-0.14	5.86	3.85	348	0.929	-0.64	5.36	3.44
304	0.987	-0.11	5.89	3.88	349	0.940	-0.54	5.46	3.52
305	0.990	-0.09	5.91	3.90	350	0.950	-0.45	5.55	3.59
306	0.995	-0.04	5.96	3.95	351	0.956	-0.39	5.61	3.64
307	1.000	0.00	6.00	3.98	352	0.962	-0.34	5.66	3.68
308	0.997	-0.03	5.97	3.96	353	0.968	-0.28	5.72	3.73
309	0.993	-0.06	5.94	3.93	354	0.974	-0.23	5.77	3.78
310	0.989	-0.10	5.90	3.89	355	0.980	-0.17	5.83	3.83
311	0.982	-0.15	5.85	3.84	356	0.984	-0.14	5.86	3.85
312	0.977	-0.21	5.79	3.80	357	0.988	-0.10	5.90	3.89
313	0.970	-0.26	5.74	3.75	358	0.992	-0.07	5.93	3.92
314	0.964	-0.32	5.68	3.70	359	0.996	-0.03	5.97	3.95





Vertical radiation pattern  
0 degree electrical downtilt

4DR-4-2HW Panel array

Ch-24

Maximum gain: 6.0 dBd

Horizontal polarization



**KATHREIN**  
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4DR-4-2HW Panel array  
Ch-24

Maximum gain: 6.0 dBd

Horizontal polarization

Vertical radiation pattern  
0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
-90	0.038	-28.52	-22.52	0.01	-45	0.257	-11.78	-5.78	0.26
-89	0.041	-27.85	-21.85	0.01	-44	0.256	-11.84	-5.84	0.26
-88	0.043	-27.23	-21.23	0.01	-43	0.254	-11.89	-5.89	0.26
-87	0.047	-26.65	-20.65	0.01	-42	0.253	-11.94	-5.94	0.25
-86	0.049	-26.11	-20.11	0.01	-41	0.252	-11.99	-5.99	0.25
-85	0.053	-25.60	-19.60	0.01	-40	0.250	-12.04	-6.04	0.25
-84	0.056	-24.96	-18.96	0.01	-39	0.240	-12.40	-6.40	0.23
-83	0.060	-24.36	-18.36	0.01	-38	0.230	-12.77	-6.77	0.21
-82	0.065	-23.81	-17.81	0.02	-37	0.220	-13.15	-7.15	0.19
-81	0.068	-23.29	-17.29	0.02	-36	0.210	-13.56	-7.56	0.18
-80	0.072	-22.79	-16.79	0.02	-35	0.200	-13.98	-7.98	0.16
-79	0.079	-22.05	-16.05	0.02	-34	0.213	-13.45	-7.45	0.18
-78	0.086	-21.36	-15.36	0.03	-33	0.225	-12.95	-6.95	0.20
-77	0.092	-20.72	-14.72	0.03	-32	0.238	-12.47	-6.47	0.23
-76	0.098	-20.13	-14.13	0.04	-31	0.251	-12.02	-6.02	0.25
-75	0.105	-19.58	-13.58	0.04	-30	0.263	-11.60	-5.60	0.28
-74	0.112	-19.02	-13.02	0.05	-29	0.285	-10.91	-4.91	0.32
-73	0.119	-18.49	-12.49	0.06	-28	0.306	-10.27	-4.27	0.37
-72	0.126	-17.99	-11.99	0.06	-27	0.328	-9.68	-3.68	0.43
-71	0.133	-17.52	-11.52	0.07	-26	0.350	-9.13	-3.13	0.49
-70	0.140	-17.08	-11.08	0.08	-25	0.371	-8.60	-2.60	0.55
-69	0.149	-16.54	-10.54	0.09	-24	0.401	-7.94	-1.94	0.64
-68	0.158	-16.03	-10.03	0.10	-23	0.431	-7.31	-1.31	0.74
-67	0.167	-15.55	-9.55	0.11	-22	0.461	-6.73	-0.73	0.84
-66	0.176	-15.09	-9.09	0.12	-21	0.490	-6.19	-0.19	0.96
-65	0.185	-14.66	-8.66	0.14	-20	0.520	-5.68	0.32	1.08
-64	0.192	-14.36	-8.36	0.15	-19	0.554	-5.13	0.87	1.22
-63	0.198	-14.07	-8.07	0.16	-18	0.588	-4.61	1.39	1.38
-62	0.205	-13.79	-7.79	0.17	-17	0.622	-4.12	1.88	1.54
-61	0.211	-13.51	-7.51	0.18	-16	0.656	-3.66	2.34	1.71
-60	0.218	-13.25	-7.25	0.19	-15	0.690	-3.22	2.78	1.90
-59	0.222	-13.09	-7.09	0.20	-14	0.719	-2.87	3.13	2.06
-58	0.225	-12.94	-6.94	0.20	-13	0.748	-2.52	3.48	2.23
-57	0.229	-12.78	-6.78	0.21	-12	0.777	-2.19	3.81	2.40
-56	0.234	-12.63	-6.63	0.22	-11	0.806	-1.87	4.13	2.59
-55	0.237	-12.49	-6.49	0.22	-10	0.835	-1.57	4.43	2.78
-54	0.239	-12.43	-6.43	0.23	-9	0.857	-1.35	4.65	2.92
-53	0.241	-12.38	-6.38	0.23	-8	0.878	-1.13	4.87	3.07
-52	0.242	-12.32	-6.32	0.23	-7	0.900	-0.92	5.08	3.22
-51	0.243	-12.27	-6.27	0.24	-6	0.921	-0.71	5.29	3.38
-50	0.245	-12.22	-6.22	0.24	-5	0.942	-0.51	5.49	3.54
-49	0.248	-12.13	-6.13	0.24	-4	0.954	-0.41	5.59	3.62
-48	0.250	-12.04	-6.04	0.25	-3	0.965	-0.30	5.70	3.71
-47	0.252	-11.95	-5.95	0.25	-2	0.977	-0.20	5.80	3.80
-46	0.255	-11.87	-5.87	0.26	-1	0.988	-0.10	5.90	3.89
					0	1.000	0.00	6.00	3.98





4DR-4-2HW Panel array  
Ch-24

Maximum gain: 6.0 dBd

Horizontal polarization

Vertical radiation pattern  
0 degree electrical downtilt

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
0	1.000	0.00	6.00	3.98	45	0.257	-11.78	-5.78	0.26
1	0.988	-0.10	5.90	3.89	46	0.255	-11.87	-5.87	0.26
2	0.977	-0.20	5.80	3.80	47	0.252	-11.95	-5.95	0.25
3	0.965	-0.30	5.70	3.71	48	0.250	-12.04	-6.04	0.25
4	0.954	-0.41	5.59	3.62	49	0.248	-12.13	-6.13	0.24
5	0.942	-0.51	5.49	3.54	50	0.245	-12.22	-6.22	0.24
6	0.921	-0.71	5.29	3.38	51	0.243	-12.27	-6.27	0.24
7	0.900	-0.92	5.08	3.22	52	0.242	-12.32	-6.32	0.23
8	0.878	-1.13	4.87	3.07	53	0.241	-12.38	-6.38	0.23
9	0.857	-1.35	4.65	2.92	54	0.239	-12.43	-6.43	0.23
10	0.835	-1.57	4.43	2.78	55	0.237	-12.49	-6.49	0.22
11	0.806	-1.87	4.13	2.59	56	0.234	-12.63	-6.63	0.22
12	0.777	-2.19	3.81	2.40	57	0.229	-12.78	-6.78	0.21
13	0.748	-2.52	3.48	2.23	58	0.225	-12.94	-6.94	0.20
14	0.719	-2.87	3.13	2.06	59	0.222	-13.09	-7.09	0.20
15	0.690	-3.22	2.78	1.90	60	0.218	-13.25	-7.25	0.19
16	0.656	-3.66	2.34	1.71	61	0.211	-13.51	-7.51	0.18
17	0.622	-4.12	1.88	1.54	62	0.205	-13.79	-7.79	0.17
18	0.588	-4.61	1.39	1.38	63	0.198	-14.07	-8.07	0.16
19	0.554	-5.13	0.87	1.22	64	0.192	-14.36	-8.36	0.15
20	0.520	-5.68	0.32	1.08	65	0.185	-14.66	-8.66	0.14
21	0.490	-6.19	-0.19	0.96	66	0.176	-15.09	-9.09	0.12
22	0.461	-6.73	-0.73	0.84	67	0.167	-15.55	-9.55	0.11
23	0.431	-7.31	-1.31	0.74	68	0.158	-16.03	-10.03	0.10
24	0.401	-7.94	-1.94	0.64	69	0.149	-16.54	-10.54	0.09
25	0.371	-8.60	-2.60	0.55	70	0.140	-17.08	-11.08	0.08
26	0.350	-9.13	-3.13	0.49	71	0.133	-17.52	-11.52	0.07
27	0.328	-9.68	-3.68	0.43	72	0.126	-17.99	-11.99	0.06
28	0.306	-10.27	-4.27	0.37	73	0.119	-18.49	-12.49	0.06
29	0.285	-10.91	-4.91	0.32	74	0.112	-19.02	-13.02	0.05
30	0.263	-11.60	-5.60	0.28	75	0.105	-19.58	-13.58	0.04
31	0.251	-12.02	-6.02	0.25	76	0.098	-20.13	-14.13	0.04
32	0.238	-12.47	-6.47	0.23	77	0.092	-20.72	-14.72	0.03
33	0.225	-12.95	-6.95	0.20	78	0.086	-21.36	-15.36	0.03
34	0.213	-13.45	-7.45	0.18	79	0.079	-22.05	-16.05	0.02
35	0.200	-13.98	-7.98	0.16	80	0.072	-22.79	-16.79	0.02
36	0.210	-13.56	-7.56	0.18	81	0.068	-23.29	-17.29	0.02
37	0.220	-13.15	-7.15	0.19	82	0.065	-23.81	-17.81	0.02
38	0.230	-12.77	-6.77	0.21	83	0.060	-24.36	-18.36	0.01
39	0.240	-12.40	-6.40	0.23	84	0.056	-24.96	-18.96	0.01
40	0.250	-12.04	-6.04	0.25	85	0.053	-25.60	-19.60	0.01
41	0.252	-11.99	-5.99	0.25	86	0.049	-26.11	-20.11	0.01
42	0.253	-11.94	-5.94	0.25	87	0.047	-26.65	-20.65	0.01
43	0.254	-11.89	-5.89	0.26	88	0.043	-27.23	-21.23	0.01
44	0.256	-11.84	-5.84	0.26	89	0.041	-27.85	-21.85	0.01
					90	0.038	-28.52	-22.52	0.01