

80010664

821 MHz

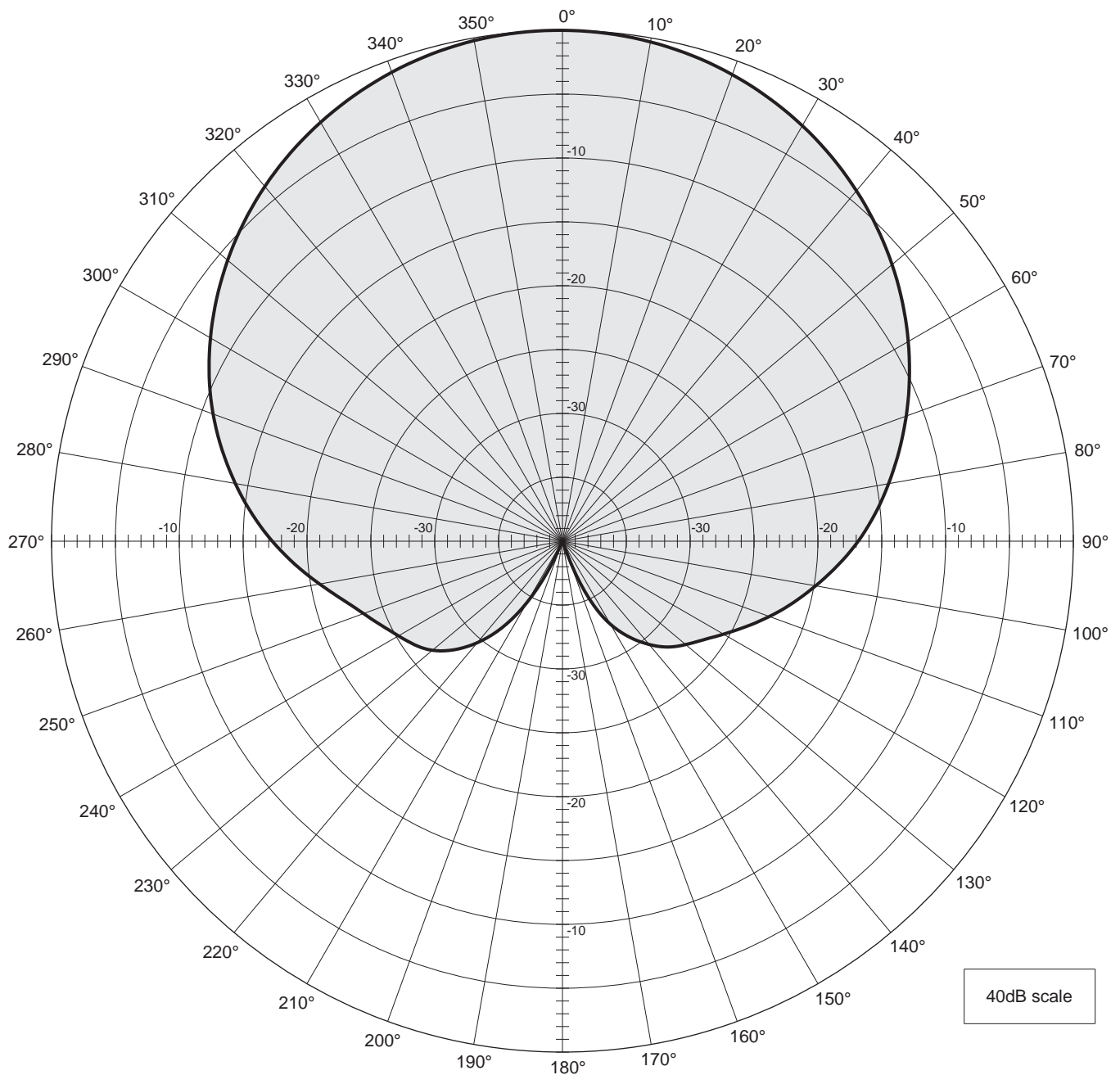
12.19 dBd (14.34 dBi)

-45 polarization

Horizontal radiation pattern

2 degree electrical downtilt

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Horizontal radiation pattern

2 degree electrical downtilt

Angle	Field	Rel.dB	dBi	dBd	Angle	Field	Rel.dB	dBi	dBd
0	1.000	0.00	14.34	12.19	45	0.549	-5.21	9.13	6.98
1	0.999	-0.01	14.33	12.18	46	0.536	-5.42	8.92	6.77
2	0.998	-0.02	14.32	12.17	47	0.522	-5.64	8.70	6.55
3	0.995	-0.04	14.30	12.15	48	0.509	-5.86	8.48	6.33
4	0.993	-0.06	14.28	12.13	49	0.497	-6.08	8.26	6.11
5	0.990	-0.09	14.25	12.10	50	0.484	-6.31	8.03	5.88
6	0.986	-0.12	14.22	12.07	51	0.471	-6.54	7.80	5.65
7	0.982	-0.16	14.18	12.03	52	0.459	-6.77	7.57	5.42
8	0.977	-0.20	14.14	11.99	53	0.446	-7.01	7.33	5.18
9	0.972	-0.25	14.09	11.94	54	0.434	-7.25	7.09	4.94
10	0.965	-0.31	14.03	11.88	55	0.422	-7.49	6.85	4.70
11	0.959	-0.36	13.98	11.83	56	0.410	-7.74	6.60	4.45
12	0.952	-0.43	13.91	11.76	57	0.399	-7.98	6.36	4.21
13	0.944	-0.50	13.84	11.69	58	0.388	-8.23	6.11	3.96
14	0.936	-0.57	13.77	11.62	59	0.377	-8.48	5.86	3.71
15	0.928	-0.65	13.69	11.54	60	0.366	-8.74	5.60	3.45
16	0.919	-0.73	13.61	11.46	61	0.355	-8.99	5.35	3.20
17	0.910	-0.82	13.52	11.37	62	0.345	-9.25	5.09	2.94
18	0.899	-0.92	13.42	11.27	63	0.335	-9.51	4.83	2.68
19	0.889	-1.02	13.32	11.17	64	0.325	-9.77	4.57	2.42
20	0.878	-1.13	13.21	11.06	65	0.315	-10.03	4.31	2.16
21	0.867	-1.24	13.10	10.95	66	0.306	-10.29	4.05	1.90
22	0.856	-1.35	12.99	10.84	67	0.297	-10.55	3.79	1.64
23	0.844	-1.47	12.87	10.72	68	0.288	-10.82	3.52	1.37
24	0.832	-1.60	12.74	10.59	69	0.279	-11.09	3.25	1.10
25	0.819	-1.73	12.61	10.46	70	0.271	-11.35	2.99	0.84
26	0.807	-1.86	12.48	10.33	71	0.262	-11.63	2.71	0.56
27	0.794	-2.00	12.34	10.19	72	0.254	-11.90	2.44	0.29
28	0.782	-2.14	12.20	10.05	73	0.246	-12.17	2.17	0.02
29	0.768	-2.29	12.05	9.90	74	0.239	-12.44	1.90	-0.25
30	0.755	-2.44	11.90	9.75	75	0.231	-12.71	1.63	-0.52
31	0.742	-2.59	11.75	9.60	76	0.224	-12.98	1.36	-0.79
32	0.729	-2.75	11.59	9.44	77	0.217	-13.26	1.08	-1.07
33	0.714	-2.92	11.42	9.27	78	0.211	-13.53	0.81	-1.34
34	0.701	-3.09	11.25	9.10	79	0.204	-13.80	0.54	-1.61
35	0.687	-3.26	11.08	8.93	80	0.198	-14.07	0.27	-1.88
36	0.673	-3.44	10.90	8.75	81	0.192	-14.34	-0.00	-2.15
37	0.659	-3.62	10.72	8.57	82	0.186	-14.61	-0.27	-2.42
38	0.645	-3.81	10.53	8.38	83	0.180	-14.88	-0.54	-2.69
39	0.631	-4.00	10.34	8.19	84	0.175	-15.15	-0.81	-2.96
40	0.617	-4.19	10.15	8.00	85	0.169	-15.43	-1.09	-3.24
41	0.604	-4.38	9.96	7.81	86	0.164	-15.71	-1.37	-3.52
42	0.590	-4.58	9.76	7.61	87	0.159	-15.99	-1.65	-3.80
43	0.576	-4.79	9.55	7.40	88	0.154	-16.27	-1.93	-4.08
44	0.563	-4.99	9.35	7.20	89	0.149	-16.55	-2.21	-4.36

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90	0.144	-16.84	-2.50	-4.65	135	0.039	-28.28	-13.94	-16.09
91	0.139	-17.14	-2.80	-4.95	136	0.038	-28.49	-14.15	-16.30
92	0.134	-17.44	-3.10	-5.25	137	0.037	-28.71	-14.37	-16.52
93	0.130	-17.74	-3.40	-5.55	138	0.036	-28.94	-14.60	-16.75
94	0.125	-18.05	-3.71	-5.86	139	0.035	-29.19	-14.85	-17.00
95	0.121	-18.36	-4.02	-6.17	140	0.034	-29.44	-15.10	-17.25
96	0.117	-18.66	-4.32	-6.47	141	0.033	-29.71	-15.37	-17.52
97	0.113	-18.97	-4.63	-6.78	142	0.032	-29.97	-15.63	-17.78
98	0.109	-19.27	-4.93	-7.08	143	0.031	-30.24	-15.90	-18.05
99	0.105	-19.57	-5.23	-7.38	144	0.030	-30.52	-16.18	-18.33
100	0.102	-19.87	-5.53	-7.68	145	0.029	-30.82	-16.48	-18.63
101	0.098	-20.17	-5.83	-7.98	146	0.028	-31.12	-16.78	-18.93
102	0.095	-20.46	-6.12	-8.27	147	0.027	-31.44	-17.10	-19.25
103	0.092	-20.75	-6.41	-8.56	148	0.026	-31.77	-17.43	-19.58
104	0.089	-21.04	-6.70	-8.85	149	0.025	-32.12	-17.78	-19.93
105	0.086	-21.32	-6.98	-9.13	150	0.024	-32.49	-18.15	-20.30
106	0.083	-21.61	-7.27	-9.42	151	0.023	-32.89	-18.55	-20.70
107	0.080	-21.89	-7.55	-9.70	152	0.022	-33.34	-19.00	-21.15
108	0.078	-22.18	-7.84	-9.99	153	0.020	-33.84	-19.50	-21.65
109	0.075	-22.47	-8.13	-10.28	154	0.019	-34.40	-20.06	-22.21
110	0.073	-22.76	-8.42	-10.57	155	0.018	-35.01	-20.67	-22.82
111	0.070	-23.05	-8.71	-10.86	156	0.016	-35.68	-21.34	-23.49
112	0.068	-23.33	-8.99	-11.14	157	0.015	-36.41	-22.07	-24.22
113	0.066	-23.60	-9.26	-11.41	158	0.014	-37.21	-22.87	-25.02
114	0.064	-23.88	-9.54	-11.69	159	0.012	-38.09	-23.75	-25.90
115	0.062	-24.16	-9.82	-11.97	160	0.011	-39.06	-24.72	-26.87
116	0.060	-24.43	-10.09	-12.24	161	0.010	-40.14	-25.80	-27.95
117	0.058	-24.69	-10.35	-12.50	162	0.009	-41.35	-27.01	-29.16
118	0.057	-24.95	-10.61	-12.76	163	0.007	-42.71	-28.37	-30.52
119	0.055	-25.20	-10.86	-13.01	164	0.006	-44.26	-29.92	-32.07
120	0.053	-25.44	-11.10	-13.25	165	0.005	-46.06	-31.72	-33.87
121	0.052	-25.67	-11.33	-13.48	166	0.004	-48.26	-33.92	-36.07
122	0.051	-25.90	-11.56	-13.71	167	0.003	-51.06	-36.72	-38.87
123	0.049	-26.13	-11.79	-13.94	168	0.002	-54.98	-40.64	-42.79
124	0.048	-26.34	-12.00	-14.15	169	0.001	-61.33	-46.99	-49.14
125	0.047	-26.53	-12.19	-14.34	170	0.001	-65.86	-51.52	-53.67
126	0.046	-26.72	-12.38	-14.53	171	0.001	-58.11	-43.77	-45.92
127	0.045	-26.90	-12.56	-14.71	172	0.002	-53.64	-39.30	-41.45
128	0.044	-27.07	-12.73	-14.88	173	0.003	-50.81	-36.47	-38.62
129	0.043	-27.24	-12.90	-15.05	174	0.004	-48.80	-34.46	-36.61
130	0.043	-27.41	-13.07	-15.22	175	0.004	-47.29	-32.95	-35.10
131	0.042	-27.57	-13.23	-15.38	176	0.005	-46.12	-31.78	-33.93
132	0.041	-27.74	-13.40	-15.55	177	0.005	-45.20	-30.86	-33.01
133	0.040	-27.91	-13.57	-15.72	178	0.006	-44.46	-30.12	-32.27
134	0.039	-28.09	-13.75	-15.90	179	0.006	-43.87	-29.53	-31.68

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180	0.007	-43.40	-29.06	-31.21	225	0.040	-27.97	-13.63	-15.78
181	0.007	-43.01	-28.67	-30.82	226	0.041	-27.69	-13.35	-15.50
182	0.007	-42.74	-28.40	-30.55	227	0.043	-27.42	-13.08	-15.23
183	0.007	-42.57	-28.23	-30.38	228	0.044	-27.16	-12.82	-14.97
184	0.007	-42.50	-28.16	-30.31	229	0.045	-26.93	-12.59	-14.74
185	0.007	-42.52	-28.18	-30.33	230	0.046	-26.71	-12.37	-14.52
186	0.007	-42.64	-28.30	-30.45	231	0.047	-26.51	-12.17	-14.32
187	0.007	-42.85	-28.51	-30.66	232	0.048	-26.33	-11.99	-14.14
188	0.007	-43.15	-28.81	-30.96	233	0.049	-26.16	-11.82	-13.97
189	0.007	-43.56	-29.22	-31.37	234	0.050	-26.01	-11.67	-13.82
190	0.006	-44.07	-29.73	-31.88	235	0.051	-25.86	-11.52	-13.67
191	0.006	-44.67	-30.33	-32.48	236	0.052	-25.73	-11.39	-13.54
192	0.005	-45.34	-31.00	-33.15	237	0.053	-25.59	-11.25	-13.40
193	0.005	-45.99	-31.65	-33.80	238	0.053	-25.45	-11.11	-13.26
194	0.005	-46.54	-32.20	-34.35	239	0.054	-25.31	-10.97	-13.12
195	0.005	-46.82	-32.48	-34.63	240	0.055	-25.17	-10.83	-12.98
196	0.005	-46.71	-32.37	-34.52	241	0.056	-25.03	-10.69	-12.84
197	0.005	-46.18	-31.84	-33.99	242	0.057	-24.88	-10.54	-12.69
198	0.005	-45.31	-30.97	-33.12	243	0.058	-24.72	-10.38	-12.53
199	0.006	-44.25	-29.91	-32.06	244	0.059	-24.55	-10.21	-12.36
200	0.007	-43.12	-28.78	-30.93	245	0.060	-24.38	-10.04	-12.19
201	0.008	-42.00	-27.66	-29.81	246	0.062	-24.20	-9.86	-12.01
202	0.009	-40.93	-26.59	-28.74	247	0.063	-24.01	-9.67	-11.82
203	0.010	-39.95	-25.61	-27.76	248	0.064	-23.82	-9.48	-11.63
204	0.011	-39.04	-24.70	-26.85	249	0.066	-23.63	-9.29	-11.44
205	0.012	-38.18	-23.84	-25.99	250	0.067	-23.43	-9.09	-11.24
206	0.014	-37.36	-23.02	-25.17	251	0.069	-23.21	-8.87	-11.02
207	0.015	-36.59	-22.25	-24.40	252	0.071	-22.99	-8.65	-10.80
208	0.016	-35.86	-21.52	-23.67	253	0.073	-22.75	-8.41	-10.56
209	0.017	-35.15	-20.81	-22.96	254	0.075	-22.49	-8.15	-10.30
210	0.019	-34.49	-20.15	-22.30	255	0.077	-22.22	-7.88	-10.03
211	0.020	-33.86	-19.52	-21.67	256	0.080	-21.93	-7.59	-9.74
212	0.022	-33.27	-18.93	-21.08	257	0.083	-21.64	-7.30	-9.45
213	0.023	-32.72	-18.38	-20.53	258	0.086	-21.33	-6.99	-9.14
214	0.025	-32.20	-17.86	-20.01	259	0.089	-21.02	-6.68	-8.83
215	0.026	-31.70	-17.36	-19.51	260	0.092	-20.69	-6.35	-8.50
216	0.027	-31.24	-16.90	-19.05	261	0.096	-20.36	-6.02	-8.17
217	0.029	-30.80	-16.46	-18.61	262	0.100	-20.02	-5.68	-7.83
218	0.030	-30.39	-16.05	-18.20	263	0.104	-19.68	-5.34	-7.49
219	0.032	-30.00	-15.66	-17.81	264	0.108	-19.34	-5.00	-7.15
220	0.033	-29.62	-15.28	-17.43	265	0.112	-18.99	-4.65	-6.80
221	0.034	-29.26	-14.92	-17.07	266	0.117	-18.65	-4.31	-6.46
222	0.036	-28.92	-14.58	-16.73	267	0.121	-18.31	-3.97	-6.12
223	0.037	-28.59	-14.25	-16.40	268	0.126	-17.97	-3.63	-5.78
224	0.039	-28.27	-13.93	-16.08	269	0.132	-17.62	-3.28	-5.43

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270	0.137	-17.28	-2.94	-5.09	315	0.581	-4.72	9.62	7.47
271	0.142	-16.94	-2.60	-4.75	316	0.595	-4.51	9.83	7.68
272	0.148	-16.60	-2.26	-4.41	317	0.608	-4.32	10.02	7.87
273	0.154	-16.27	-1.93	-4.08	318	0.622	-4.12	10.22	8.07
274	0.160	-15.94	-1.60	-3.75	319	0.636	-3.93	10.41	8.26
275	0.166	-15.61	-1.27	-3.42	320	0.649	-3.75	10.59	8.44
276	0.172	-15.28	-0.94	-3.09	321	0.664	-3.56	10.78	8.63
277	0.179	-14.95	-0.61	-2.76	322	0.677	-3.39	10.95	8.80
278	0.186	-14.63	-0.29	-2.44	323	0.691	-3.21	11.13	8.98
279	0.193	-14.31	0.03	-2.12	324	0.704	-3.05	11.29	9.14
280	0.200	-13.99	0.35	-1.80	325	0.718	-2.88	11.46	9.31
281	0.207	-13.68	0.66	-1.49	326	0.731	-2.72	11.62	9.47
282	0.215	-13.36	0.98	-1.17	327	0.744	-2.57	11.77	9.62
283	0.223	-13.04	1.30	-0.85	328	0.757	-2.42	11.92	9.77
284	0.231	-12.73	1.61	-0.54	329	0.770	-2.27	12.07	9.92
285	0.240	-12.41	1.93	-0.22	330	0.783	-2.13	12.21	10.06
286	0.248	-12.10	2.24	0.09	331	0.795	-1.99	12.35	10.20
287	0.257	-11.79	2.55	0.40	332	0.807	-1.86	12.48	10.33
288	0.266	-11.49	2.85	0.70	333	0.819	-1.73	12.61	10.46
289	0.276	-11.19	3.15	1.00	334	0.832	-1.60	12.74	10.59
290	0.285	-10.89	3.45	1.30	335	0.843	-1.48	12.86	10.71
291	0.295	-10.60	3.74	1.59	336	0.855	-1.36	12.98	10.83
292	0.305	-10.31	4.03	1.88	337	0.866	-1.25	13.09	10.94
293	0.315	-10.03	4.31	2.16	338	0.877	-1.14	13.20	11.05
294	0.325	-9.75	4.59	2.44	339	0.888	-1.03	13.31	11.16
295	0.336	-9.48	4.86	2.71	340	0.898	-0.93	13.41	11.26
296	0.346	-9.22	5.12	2.97	341	0.909	-0.83	13.51	11.36
297	0.357	-8.95	5.39	3.24	342	0.918	-0.74	13.60	11.45
298	0.368	-8.69	5.65	3.50	343	0.927	-0.66	13.68	11.53
299	0.379	-8.43	5.91	3.76	344	0.935	-0.58	13.76	11.61
300	0.390	-8.18	6.16	4.01	345	0.944	-0.50	13.84	11.69
301	0.402	-7.92	6.42	4.27	346	0.952	-0.43	13.91	11.76
302	0.414	-7.67	6.67	4.52	347	0.958	-0.37	13.97	11.82
303	0.425	-7.43	6.91	4.76	348	0.965	-0.31	14.03	11.88
304	0.438	-7.18	7.16	5.01	349	0.972	-0.25	14.09	11.94
305	0.450	-6.94	7.40	5.25	350	0.977	-0.20	14.14	11.99
306	0.462	-6.70	7.64	5.49	351	0.982	-0.16	14.18	12.03
307	0.475	-6.47	7.87	5.72	352	0.986	-0.12	14.22	12.07
308	0.488	-6.24	8.10	5.95	353	0.990	-0.09	14.25	12.10
309	0.501	-6.01	8.33	6.18	354	0.993	-0.06	14.28	12.13
310	0.514	-5.78	8.56	6.41	355	0.995	-0.04	14.30	12.15
311	0.527	-5.56	8.78	6.63	356	0.998	-0.02	14.32	12.17
312	0.541	-5.34	9.00	6.85	357	0.999	-0.01	14.33	12.18
313	0.554	-5.13	9.21	7.06	358	1.000	0.00	14.34	12.19
314	0.568	-4.92	9.42	7.27	359	1.000	0.00	14.34	12.19