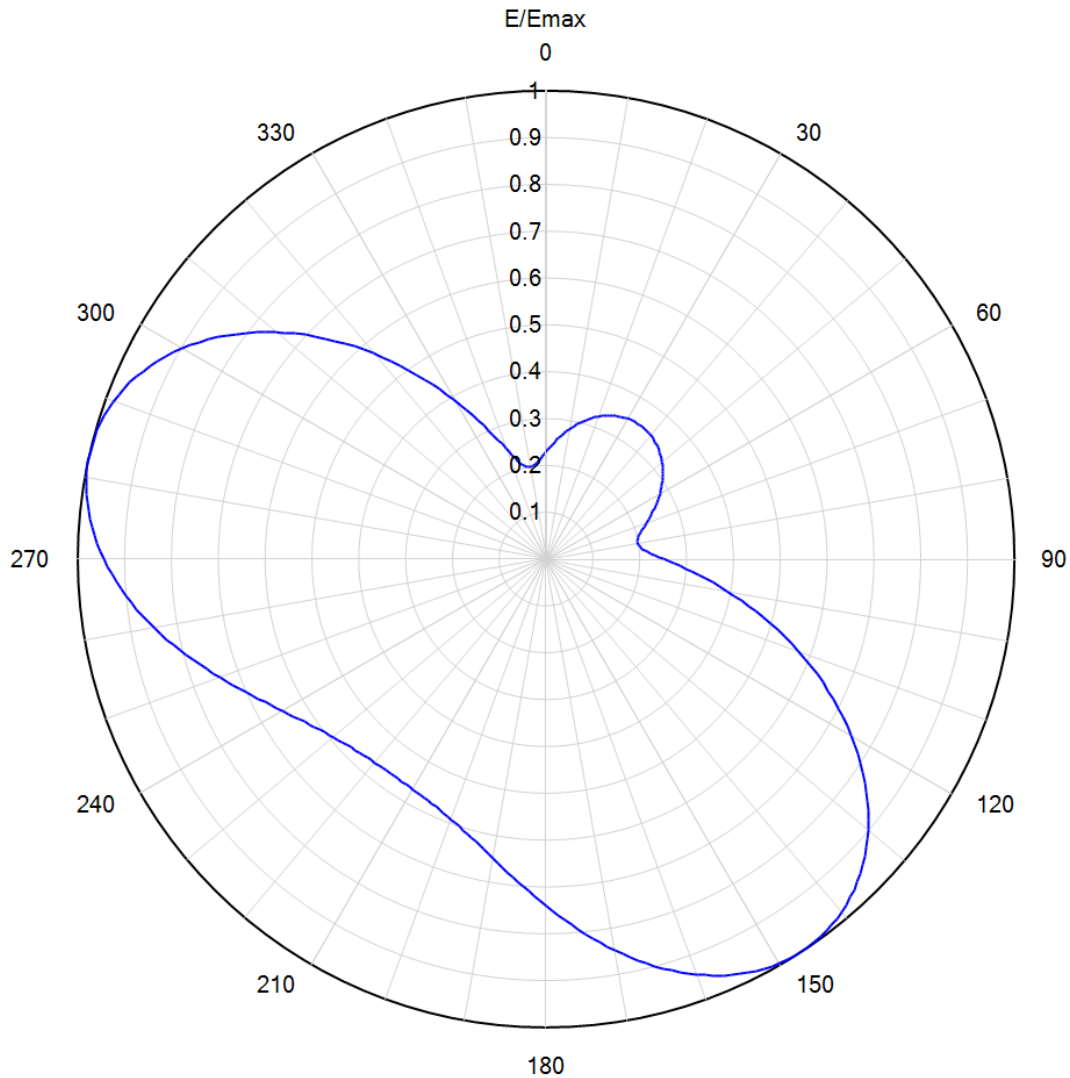




## Azimuth Pattern



Model: SAA24-3BP260-J400-ES6R-22

Location:

Customer:

Date: June 13, 2017

Rotation Angle: 215 degrees

Note: Pattern Tolerance +/-5% of Emax

Polarisation: Horizontal

Frequency: 521.00 MHz

Directivity: 2.4 (3.79 dB)

Elevation Angle: 1.00 degrees

Horizontal Unit Pattern:

File = wotf-horizontal-azimuth.pat



Model: **SAA24-3BP260-J400-ES6R-22**  
Location:  
Customer:  
Date: **June 13, 2017**

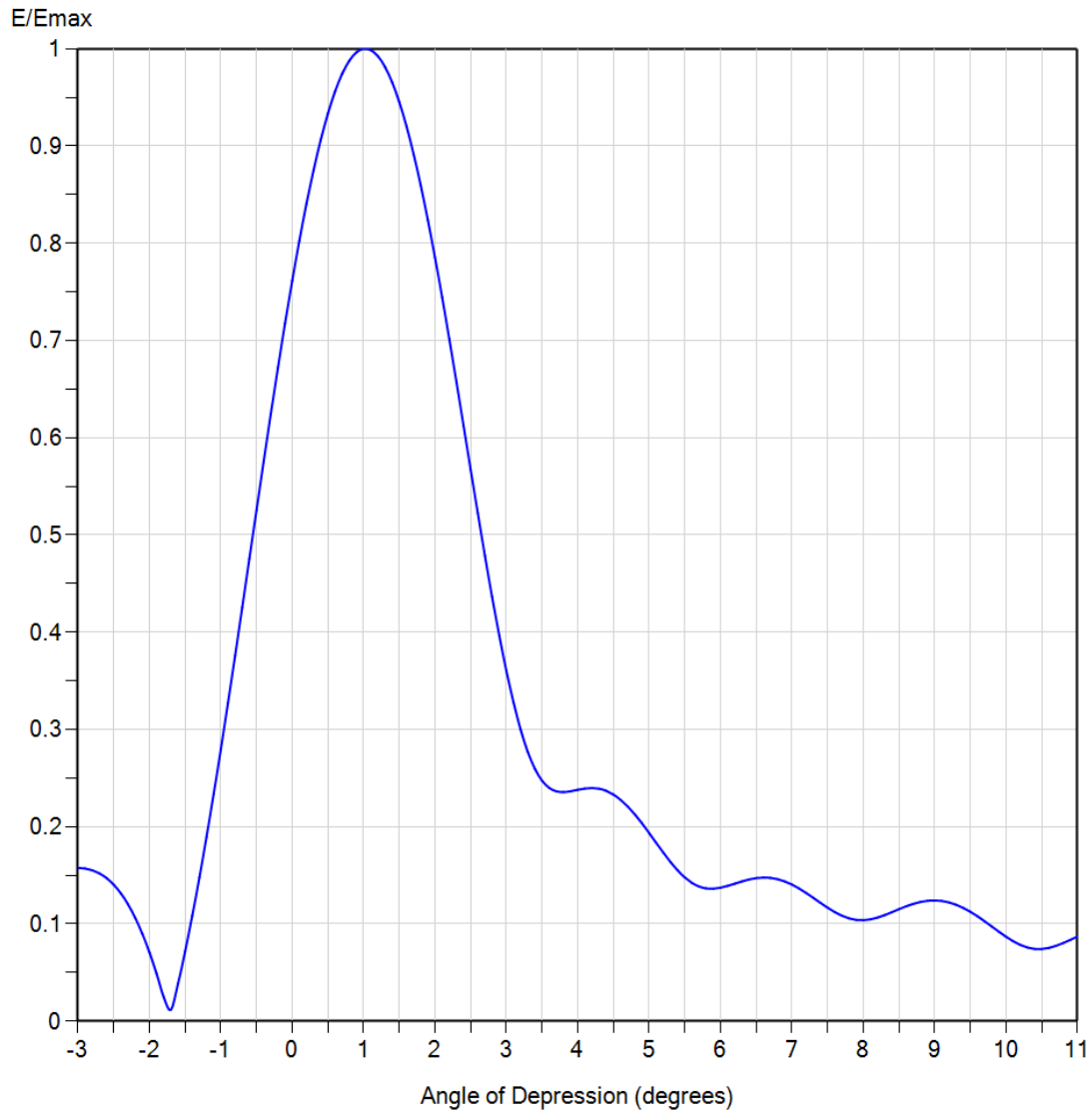
Polarization: **Horizontal**  
Frequency (MHz): **521.00**  
Directivity: **2.4 (3.79 dB)**  
Elevation Angle: **1.00 degrees**  
Rotation Angle: **215 degrees**

**TABULATED AZIMUTH PATTERN**

Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field
0	0.229	45	0.337	90	0.251	135	0.949	180	0.740	225	0.577	270	0.945	315	0.666
1	0.234	46	0.335	91	0.262	136	0.957	181	0.730	226	0.579	271	0.952	316	0.648
2	0.240	47	0.332	92	0.274	137	0.965	182	0.720	227	0.582	272	0.959	317	0.629
3	0.245	48	0.329	93	0.287	138	0.971	183	0.710	228	0.585	273	0.966	318	0.611
4	0.250	49	0.326	94	0.300	139	0.977	184	0.700	229	0.589	274	0.972	319	0.592
5	0.255	50	0.323	95	0.314	140	0.983	185	0.691	230	0.592	275	0.978	320	0.573
6	0.261	51	0.320	96	0.328	141	0.987	186	0.682	231	0.596	276	0.983	321	0.555
7	0.266	52	0.316	97	0.344	142	0.991	187	0.673	232	0.601	277	0.987	322	0.536
8	0.271	53	0.312	98	0.359	143	0.994	188	0.665	233	0.606	278	0.991	323	0.518
9	0.276	54	0.308	99	0.375	144	0.997	189	0.657	234	0.611	279	0.994	324	0.499
10	0.281	55	0.304	100	0.392	145	0.998	190	0.649	235	0.616	280	0.997	325	0.481
11	0.286	56	0.300	101	0.409	146	0.999	191	0.642	236	0.622	281	0.998	326	0.463
12	0.291	57	0.295	102	0.426	147	1.000	192	0.635	237	0.628	282	1.000	327	0.445
13	0.296	58	0.291	103	0.444	148	0.999	193	0.628	238	0.635	283	1.000	328	0.427
14	0.300	59	0.286	104	0.462	149	0.998	194	0.622	239	0.642	284	1.000	329	0.410
15	0.304	60	0.281	105	0.480	150	0.996	195	0.616	240	0.649	285	0.999	330	0.393
16	0.308	61	0.276	106	0.498	151	0.994	196	0.611	241	0.657	286	0.997	331	0.376
17	0.312	62	0.271	107	0.517	152	0.990	197	0.605	242	0.665	287	0.995	332	0.360
18	0.316	63	0.266	108	0.536	153	0.987	198	0.601	243	0.674	288	0.992	333	0.344
19	0.320	64	0.260	109	0.554	154	0.982	199	0.596	244	0.682	289	0.988	334	0.329
20	0.323	65	0.255	110	0.573	155	0.977	200	0.592	245	0.691	290	0.983	335	0.314
21	0.327	66	0.250	111	0.591	156	0.972	201	0.588	246	0.701	291	0.978	336	0.301
22	0.330	67	0.244	112	0.610	157	0.966	202	0.585	247	0.710	292	0.972	337	0.287
23	0.332	68	0.239	113	0.629	158	0.959	203	0.582	248	0.720	293	0.965	338	0.275
24	0.335	69	0.234	114	0.647	159	0.952	204	0.579	249	0.730	294	0.958	339	0.263
25	0.337	70	0.229	115	0.665	160	0.944	205	0.577	250	0.741	295	0.950	340	0.252
26	0.340	71	0.224	116	0.683	161	0.936	206	0.574	251	0.751	296	0.941	341	0.242
27	0.342	72	0.219	117	0.701	162	0.928	207	0.573	252	0.762	297	0.931	342	0.233
28	0.343	73	0.215	118	0.719	163	0.919	208	0.571	253	0.772	298	0.921	343	0.225
29	0.345	74	0.211	119	0.736	164	0.910	209	0.569	254	0.783	299	0.910	344	0.218
30	0.346	75	0.207	120	0.753	165	0.900	210	0.568	255	0.794	300	0.899	345	0.212
31	0.347	76	0.204	121	0.770	166	0.890	211	0.567	256	0.805	301	0.886	346	0.208
32	0.348	77	0.202	122	0.786	167	0.880	212	0.566	257	0.816	302	0.874	347	0.204
33	0.349	78	0.200	123	0.801	168	0.870	213	0.566	258	0.827	303	0.860	348	0.201
34	0.349	79	0.199	124	0.817	169	0.859	214	0.566	259	0.838	304	0.847	349	0.200
35	0.349	80	0.198	125	0.832	170	0.849	215	0.565	260	0.849	305	0.832	350	0.199
36	0.349	81	0.199	126	0.846	171	0.838	216	0.566	261	0.860	306	0.817	351	0.199
37	0.349	82	0.201	127	0.860	172	0.827	217	0.566	262	0.870	307	0.802	352	0.200
38	0.348	83	0.203	128	0.873	173	0.816	218	0.566	263	0.881	308	0.786	353	0.202
39	0.347	84	0.207	129	0.886	174	0.805	219	0.567	264	0.891	309	0.770	354	0.205
40	0.346	85	0.212	130	0.898	175	0.794	220	0.568	265	0.900	310	0.753	355	0.208
41	0.345	86	0.218	131	0.910	176	0.783	221	0.569	266	0.910	311	0.737	356	0.211
42	0.343	87	0.225	132	0.920	177	0.772	222	0.571	267	0.919	312	0.719	357	0.215
43	0.341	88	0.233	133	0.931	178	0.761	223	0.573	268	0.928	313	0.702	358	0.220
44	0.340	89	0.242	134	0.940	179	0.751	224	0.575	269	0.937	314	0.684	359	0.224



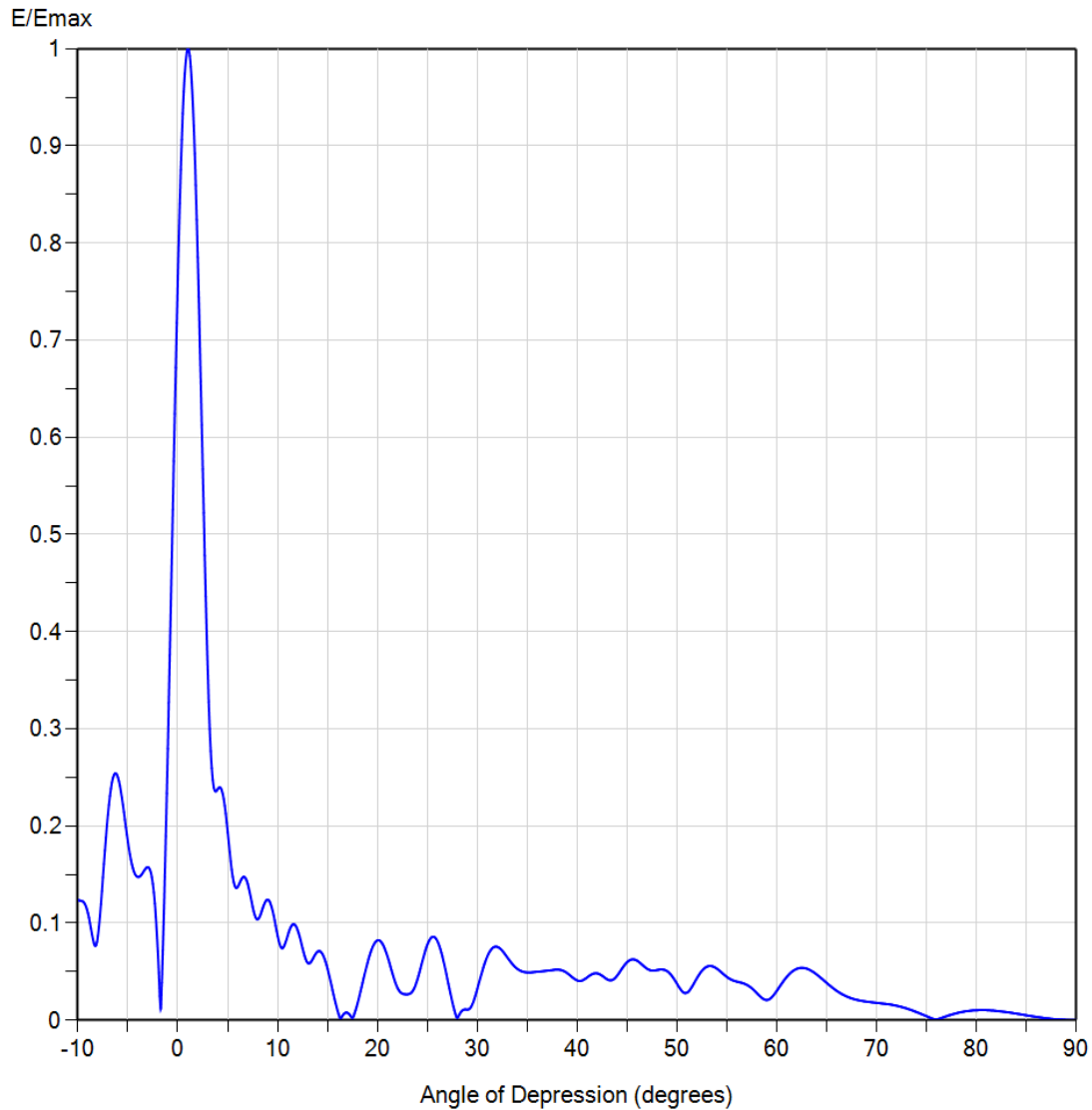
## Elevation Pattern



Model:	SAA24-3BP260-J400-ES6R-22	Frequency:	521.00 MHz
Polarisation:	<u>Horizontal</u>	Directivity (Main Lobe):	22.6 (13.55 dBd)
Location:		Directivity (At Horizon):	13.1 (11.18 dBd)
Customer:		Beam Tilt:	1.00 degrees
Date:	June 13, 2017	Azimuth Angle:	485 degrees



## Elevation Pattern



Model:	SAA24-3BP260-J400-ES6R-22	Frequency:	521.00 MHz
Polarisation:	<u>Horizontal</u>	Directivity (Main Lobe):	22.6 (13.55 dBd)
Location:		Directivity (At Horizon):	13.1 (11.18 dBd)
Customer:		Beam Tilt:	1.00 degrees
Date:	June 13, 2017	Azimuth Angle:	485 degrees



Model: **SAA24-3BP260-J400-ES6R-22**  
Location:  
Customer:  
Date: **June 13, 2017**

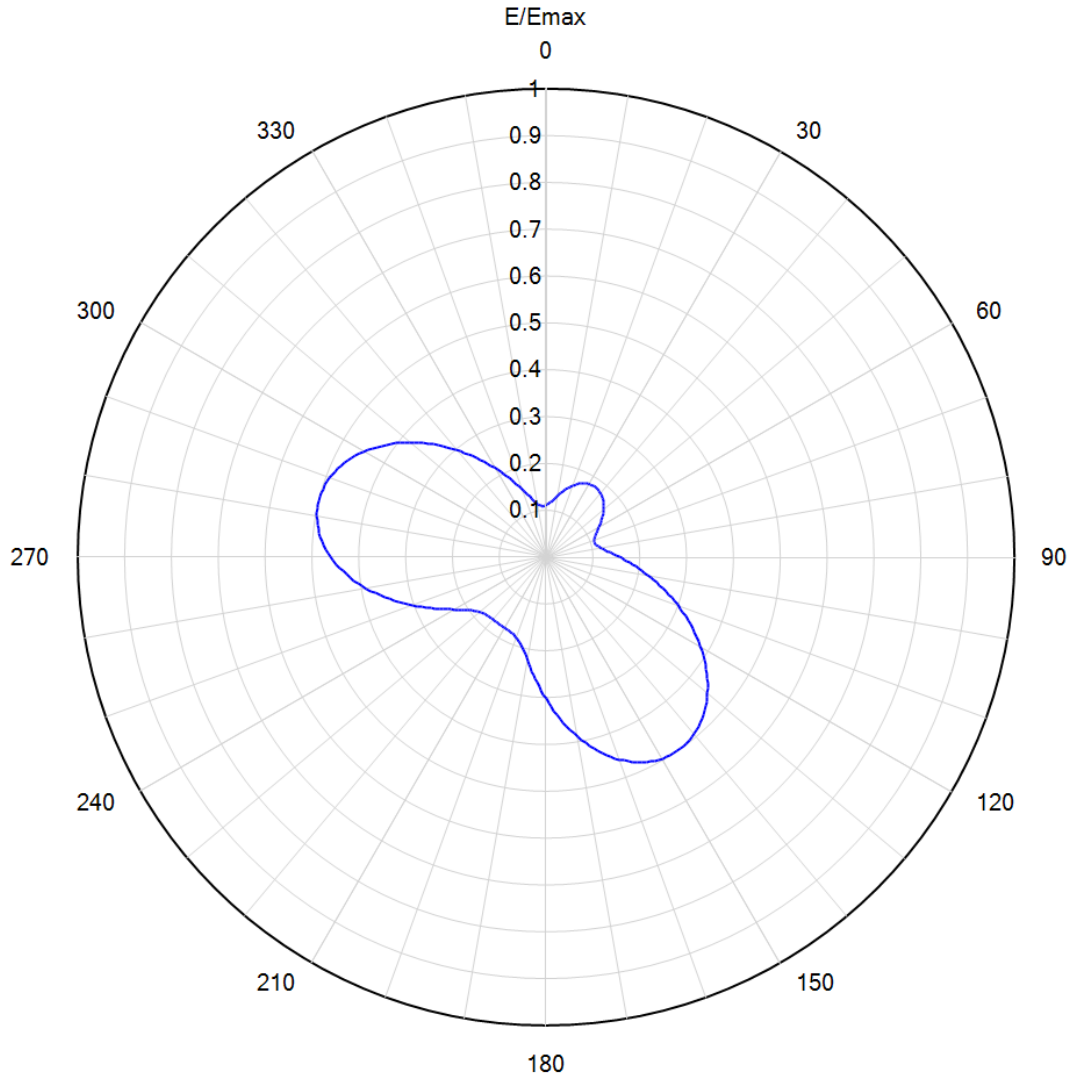
Polarization: **Horizontal**  
Frequency (MHz): **521.00**  
Directivity (Main Lobe): **22.6 (13.55 dB)**  
Directivity (At Horizon): **13.1 (11.18 dB)**  
Beam Tilt: **1.00 degrees**

**TABULATED ELEVATION PATTERN**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.124	2.4	0.612	10.6	0.075	30.5	0.051	51.0	0.028	71.5	0.016
-9.5	0.122	2.6	0.522	10.8	0.080	31.0	0.066	51.5	0.035	72.0	0.015
-9.0	0.110	2.8	0.436	11.0	0.087	31.5	0.074	52.0	0.043	72.5	0.014
-8.5	0.083	3.0	0.360	11.5	0.099	32.0	0.076	52.5	0.051	73.0	0.012
-8.0	0.087	3.2	0.300	12.0	0.093	32.5	0.071	53.0	0.055	73.5	0.010
-7.5	0.147	3.4	0.259	12.5	0.074	33.0	0.065	53.5	0.056	74.0	0.008
-7.0	0.212	3.6	0.240	13.0	0.059	33.5	0.058	54.0	0.053	74.5	0.006
-6.5	0.249	3.8	0.236	13.5	0.063	34.0	0.053	54.5	0.049	75.0	0.004
-6.0	0.250	4.0	0.238	14.0	0.071	34.5	0.050	55.0	0.044	75.5	0.002
-5.5	0.222	4.2	0.240	14.5	0.068	35.0	0.049	55.5	0.041	76.0	0.001
-5.0	0.184	4.4	0.237	15.0	0.053	35.5	0.049	56.0	0.040	76.5	0.002
-4.5	0.156	4.6	0.228	15.5	0.031	36.0	0.050	56.5	0.038	77.0	0.004
-4.0	0.147	4.8	0.213	16.0	0.010	36.5	0.050	57.0	0.036	77.5	0.006
-3.5	0.152	5.0	0.194	16.5	0.005	37.0	0.051	57.5	0.033	78.0	0.007
-3.0	0.158	5.2	0.173	17.0	0.008	37.5	0.052	58.0	0.028	78.5	0.008
-2.8	0.155	5.4	0.155	17.5	0.002	38.0	0.052	58.5	0.023	79.0	0.009
-2.6	0.147	5.6	0.142	18.0	0.017	38.5	0.051	59.0	0.021	79.5	0.010
-2.4	0.131	5.8	0.136	18.5	0.038	39.0	0.048	59.5	0.024	80.0	0.010
-2.2	0.106	6.0	0.137	19.0	0.059	39.5	0.044	60.0	0.030	80.5	0.010
-2.0	0.071	6.2	0.141	19.5	0.075	40.0	0.041	60.5	0.038	81.0	0.010
-1.8	0.025	6.4	0.146	20.0	0.082	40.5	0.041	61.0	0.045	81.5	0.010
-1.6	0.038	6.6	0.148	20.5	0.079	41.0	0.044	61.5	0.050	82.0	0.010
-1.4	0.108	6.8	0.146	21.0	0.066	41.5	0.047	62.0	0.053	82.5	0.009
-1.2	0.190	7.0	0.140	21.5	0.048	42.0	0.048	62.5	0.054	83.0	0.008
-1.0	0.280	7.2	0.132	22.0	0.033	42.5	0.046	63.0	0.053	83.5	0.008
-0.8	0.376	7.4	0.122	22.5	0.027	43.0	0.042	63.5	0.051	84.0	0.007
-0.6	0.476	7.6	0.112	23.0	0.027	43.5	0.041	64.0	0.047	84.5	0.006
-0.4	0.575	7.8	0.106	23.5	0.030	44.0	0.046	64.5	0.043	85.0	0.005
-0.2	0.672	8.0	0.104	24.0	0.042	44.5	0.053	65.0	0.038	85.5	0.004
0.0	0.761	8.2	0.106	24.5	0.061	45.0	0.060	65.5	0.034	86.0	0.003
0.2	0.841	8.4	0.112	25.0	0.078	45.5	0.063	66.0	0.030	86.5	0.003
0.4	0.906	8.6	0.118	25.5	0.086	46.0	0.061	66.5	0.027	87.0	0.002
0.6	0.956	8.8	0.123	26.0	0.082	46.5	0.057	67.0	0.024	87.5	0.001
0.8	0.988	9.0	0.124	26.5	0.066	47.0	0.053	67.5	0.022	88.0	0.001
1.0	1.000	9.2	0.122	27.0	0.043	47.5	0.051	68.0	0.021	88.5	0.001
1.2	0.992	9.4	0.116	27.5	0.019	48.0	0.052	68.5	0.020	89.0	0.000
1.4	0.966	9.6	0.108	28.0	0.002	48.5	0.052	69.0	0.019	89.5	0.000
1.6	0.921	9.8	0.097	28.5	0.010	49.0	0.051	69.5	0.018	90.0	0.000
1.8	0.860	10.0	0.087	29.0	0.011	49.5	0.045	70.0	0.018		
2.0	0.785	10.2	0.078	29.5	0.016	50.0	0.037	70.5	0.017		
2.2	0.702	10.4	0.074	30.0	0.032	50.5	0.030	71.0	0.017		



## Azimuth Pattern



Model: SAA24-3BP260-J400-ES6R-22

Location:

Customer:

Date: June 13, 2017

Rotation Angle: 215 degrees

Note: Pattern Tolerance +/-5% of Emax

Polarisation: Vertical

Frequency: 521.00 MHz

Directivity: 2.7 (4.31 dB)

Elevation Angle: 1.00 degrees

Horizontal Unit Pattern:

File = wotf-vertical-azimuth.pat



Model: **SAA24-3BP260-J400-ES6R-22**  
Location:  
Customer:  
Date: **June 13, 2017**

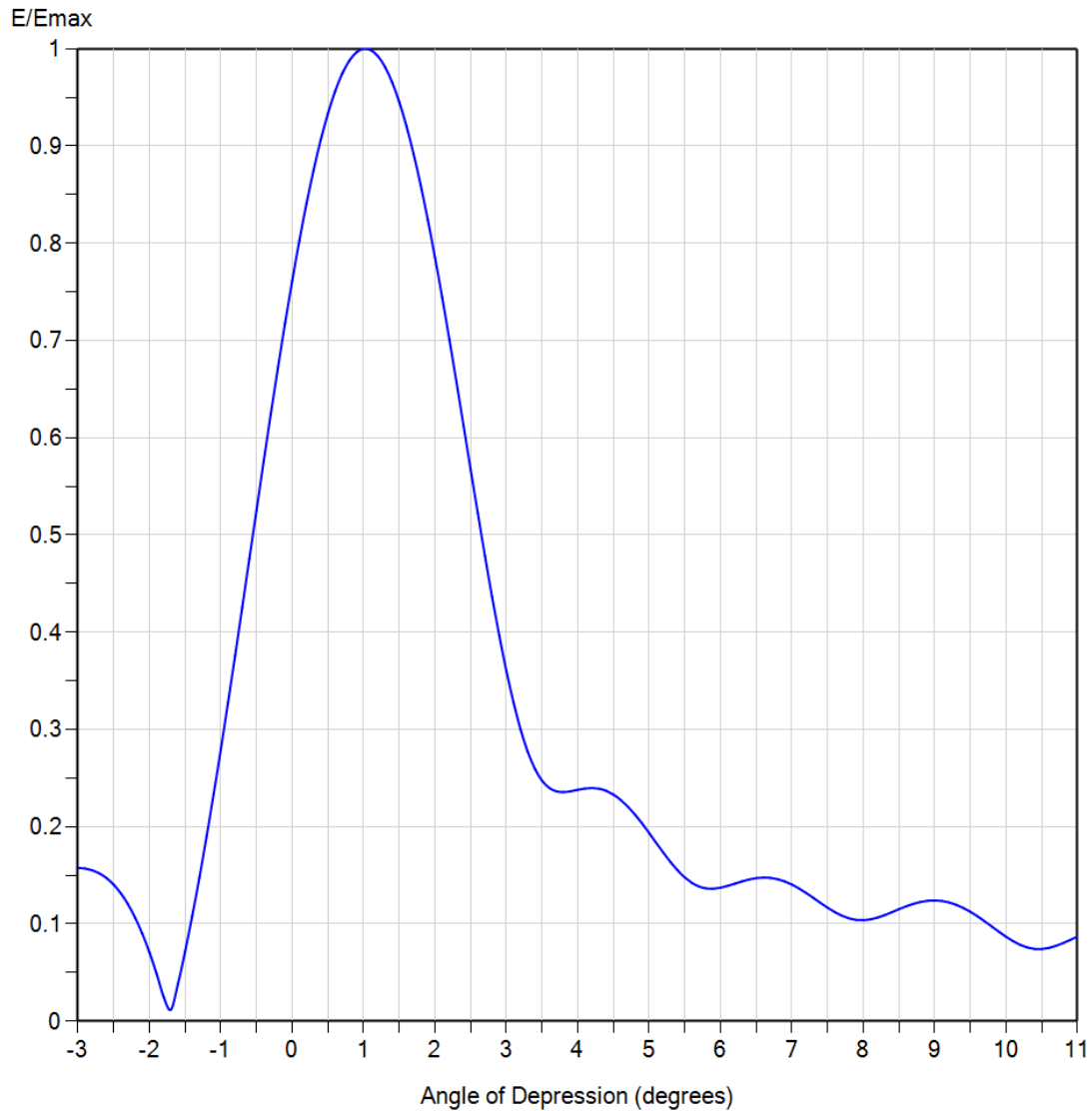
Polarization: **Vertical**  
Frequency (MHz): **521.00**  
Directivity: **2.7 (4.31 dB)**  
Elevation Angle: **1.00 degrees**  
Rotation Angle: **215 degrees**

**TABULATED AZIMUTH PATTERN**

Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field
0	0.221	45	0.345	90	0.313	135	0.951	180	0.605	225	0.353	270	0.920	315	0.680
1	0.223	46	0.341	91	0.324	136	0.959	181	0.588	226	0.354	271	0.931	316	0.664
2	0.226	47	0.336	92	0.335	137	0.967	182	0.571	227	0.357	272	0.941	317	0.647
3	0.229	48	0.332	93	0.347	138	0.973	183	0.554	228	0.359	273	0.950	318	0.630
4	0.233	49	0.327	94	0.359	139	0.980	184	0.538	229	0.363	274	0.959	319	0.614
5	0.238	50	0.322	95	0.372	140	0.985	185	0.522	230	0.367	275	0.967	320	0.597
6	0.242	51	0.316	96	0.385	141	0.989	186	0.506	231	0.371	276	0.974	321	0.581
7	0.248	52	0.311	97	0.398	142	0.993	187	0.492	232	0.377	277	0.980	322	0.565
8	0.253	53	0.305	98	0.412	143	0.996	188	0.477	233	0.383	278	0.985	323	0.548
9	0.258	54	0.299	99	0.426	144	0.998	189	0.464	234	0.390	279	0.990	324	0.532
10	0.264	55	0.293	100	0.440	145	1.000	190	0.451	235	0.398	280	0.993	325	0.516
11	0.270	56	0.287	101	0.455	146	1.000	191	0.439	236	0.407	281	0.996	326	0.501
12	0.276	57	0.281	102	0.470	147	1.000	192	0.427	237	0.416	282	0.998	327	0.485
13	0.282	58	0.275	103	0.485	148	0.999	193	0.417	238	0.427	283	0.999	328	0.470
14	0.288	59	0.269	104	0.501	149	0.997	194	0.407	239	0.438	284	1.000	329	0.455
15	0.294	60	0.263	105	0.516	150	0.994	195	0.398	240	0.450	285	0.999	330	0.440
16	0.300	61	0.258	106	0.532	151	0.990	196	0.390	241	0.463	286	0.998	331	0.426
17	0.306	62	0.252	107	0.548	152	0.986	197	0.383	242	0.476	287	0.996	332	0.412
18	0.311	63	0.247	108	0.565	153	0.980	198	0.377	243	0.491	288	0.993	333	0.398
19	0.317	64	0.242	109	0.581	154	0.974	199	0.372	244	0.506	289	0.989	334	0.385
20	0.322	65	0.237	110	0.597	155	0.967	200	0.367	245	0.521	290	0.985	335	0.372
21	0.327	66	0.233	111	0.614	156	0.959	201	0.363	246	0.537	291	0.979	336	0.359
22	0.332	67	0.229	112	0.631	157	0.951	202	0.360	247	0.553	292	0.973	337	0.347
23	0.337	68	0.225	113	0.647	158	0.942	203	0.357	248	0.570	293	0.966	338	0.335
24	0.341	69	0.222	114	0.664	159	0.931	204	0.355	249	0.587	294	0.959	339	0.324
25	0.345	70	0.220	115	0.680	160	0.921	205	0.353	250	0.604	295	0.951	340	0.313
26	0.349	71	0.218	116	0.697	161	0.909	206	0.352	251	0.622	296	0.942	341	0.302
27	0.352	72	0.217	117	0.713	162	0.897	207	0.351	252	0.640	297	0.932	342	0.293
28	0.355	73	0.217	118	0.729	163	0.884	208	0.350	253	0.657	298	0.922	343	0.283
29	0.358	74	0.217	119	0.745	164	0.871	209	0.350	254	0.675	299	0.911	344	0.274
30	0.360	75	0.218	120	0.761	165	0.857	210	0.349	255	0.693	300	0.900	345	0.266
31	0.362	76	0.219	121	0.776	166	0.843	211	0.349	256	0.710	301	0.888	346	0.258
32	0.363	77	0.222	122	0.792	167	0.828	212	0.349	257	0.728	302	0.876	347	0.251
33	0.364	78	0.225	123	0.807	168	0.812	213	0.349	258	0.745	303	0.863	348	0.245
34	0.365	79	0.229	124	0.821	169	0.796	214	0.349	259	0.762	304	0.849	349	0.239
35	0.365	80	0.233	125	0.835	170	0.780	215	0.349	260	0.779	305	0.835	350	0.234
36	0.365	81	0.239	126	0.849	171	0.763	216	0.349	261	0.795	306	0.821	351	0.229
37	0.364	82	0.244	127	0.863	172	0.746	217	0.349	262	0.811	307	0.806	352	0.225
38	0.363	83	0.251	128	0.876	173	0.729	218	0.349	263	0.827	308	0.792	353	0.222
39	0.362	84	0.258	129	0.888	174	0.711	219	0.349	264	0.842	309	0.776	354	0.220
40	0.360	85	0.266	130	0.900	175	0.694	220	0.349	265	0.856	310	0.761	355	0.218
41	0.358	86	0.274	131	0.911	176	0.676	221	0.349	266	0.870	311	0.745	356	0.217
42	0.355	87	0.283	132	0.922	177	0.658	222	0.350	267	0.884	312	0.729	357	0.217
43	0.352	88	0.293	133	0.932	178	0.641	223	0.351	268	0.897	313	0.713	358	0.218
44	0.349	89	0.303	134	0.942	179	0.623	224	0.352	269	0.909	314	0.697	359	0.219



## Elevation Pattern

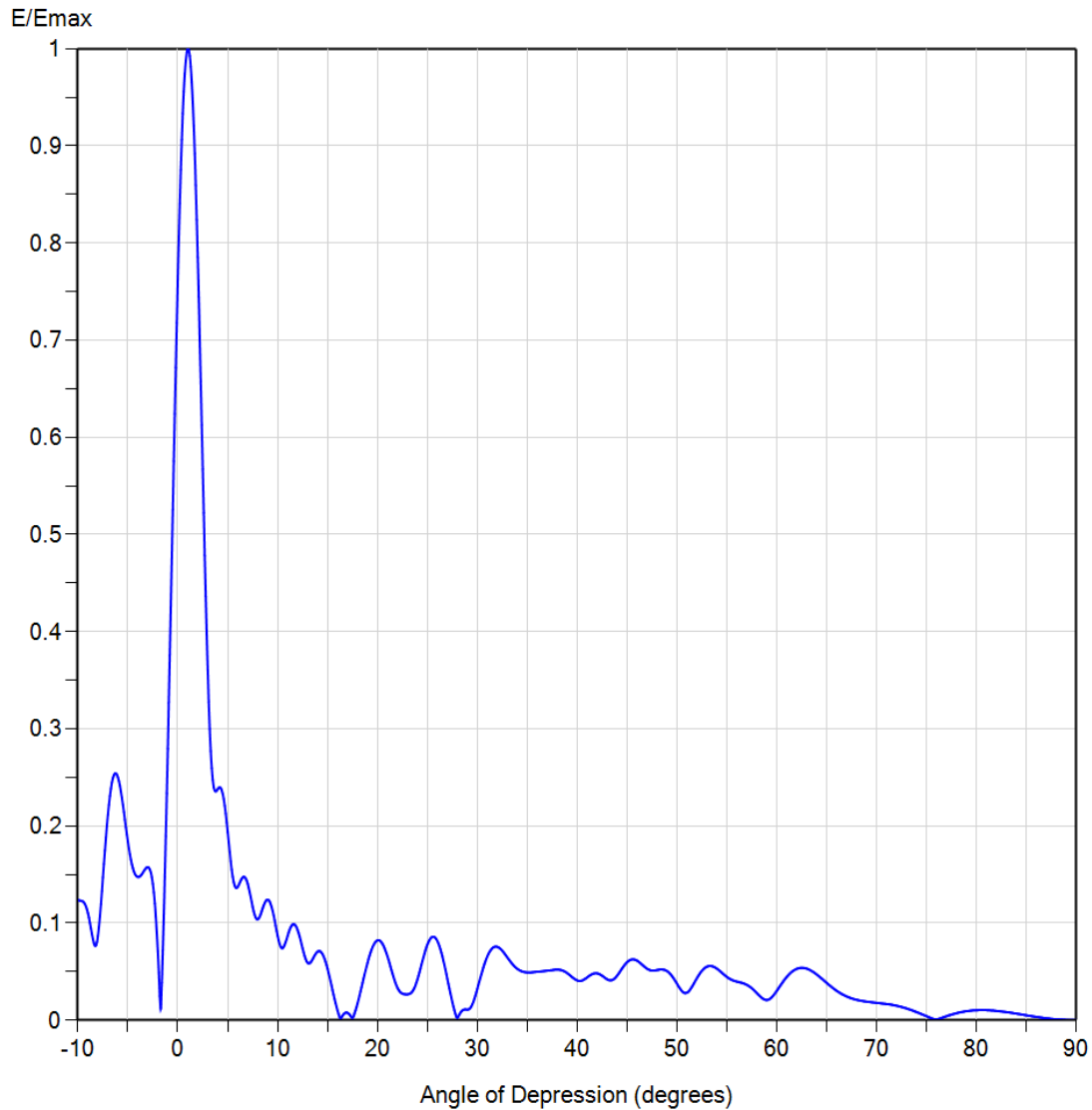


Model:	SAA24-3BP260-J400-ES6R-22	Frequency:	521.00 MHz
Polarisation:	<u>Vertical</u>	Directivity (Main Lobe):	22.6 (13.55 dBd)
Location:		Directivity (At Horizon):	13.1 (11.18 dBd)
Customer:		Beam Tilt:	1.00 degrees
Date:	June 13, 2017	Azimuth Angle:	485 degrees





## Elevation Pattern



Model:	SAA24-3BP260-J400-ES6R-22	Frequency:	521.00 MHz
Polarisation:	<u>Vertical</u>	Directivity (Main Lobe):	22.6 (13.55 dBd)
Location:		Directivity (At Horizon):	13.1 (11.18 dBd)
Customer:		Beam Tilt:	1.00 degrees
Date:	June 13, 2017	Azimuth Angle:	485 degrees



Model: **SAA24-3BP260-J400-ES6R-22**  
Location:  
Customer:  
Date: **June 13, 2017**

Polarization: **Vertical**  
Frequency (MHz): **521.00**  
Directivity (Main Lobe): **22.6 (13.55 dB)**  
Directivity (At Horizon): **13.1 (11.18 dB)**  
Beam Tilt: **1.00 degrees**

### TABULATED ELEVATION PATTERN

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.124	2.4	0.612	10.6	0.075	30.5	0.051	51.0	0.028	71.5	0.016
-9.5	0.122	2.6	0.522	10.8	0.080	31.0	0.066	51.5	0.035	72.0	0.015
-9.0	0.110	2.8	0.436	11.0	0.087	31.5	0.074	52.0	0.043	72.5	0.014
-8.5	0.083	3.0	0.360	11.5	0.099	32.0	0.076	52.5	0.051	73.0	0.012
-8.0	0.087	3.2	0.300	12.0	0.093	32.5	0.071	53.0	0.055	73.5	0.010
-7.5	0.147	3.4	0.259	12.5	0.074	33.0	0.065	53.5	0.056	74.0	0.008
-7.0	0.212	3.6	0.240	13.0	0.059	33.5	0.058	54.0	0.053	74.5	0.006
-6.5	0.249	3.8	0.236	13.5	0.063	34.0	0.053	54.5	0.049	75.0	0.004
-6.0	0.250	4.0	0.238	14.0	0.071	34.5	0.050	55.0	0.044	75.5	0.002
-5.5	0.222	4.2	0.240	14.5	0.068	35.0	0.049	55.5	0.041	76.0	0.001
-5.0	0.184	4.4	0.237	15.0	0.053	35.5	0.049	56.0	0.040	76.5	0.002
-4.5	0.156	4.6	0.228	15.5	0.031	36.0	0.050	56.5	0.038	77.0	0.004
-4.0	0.147	4.8	0.213	16.0	0.010	36.5	0.050	57.0	0.036	77.5	0.006
-3.5	0.152	5.0	0.194	16.5	0.005	37.0	0.051	57.5	0.033	78.0	0.007
-3.0	0.158	5.2	0.173	17.0	0.008	37.5	0.052	58.0	0.028	78.5	0.008
-2.8	0.155	5.4	0.155	17.5	0.002	38.0	0.052	58.5	0.023	79.0	0.009
-2.6	0.147	5.6	0.142	18.0	0.017	38.5	0.051	59.0	0.021	79.5	0.010
-2.4	0.131	5.8	0.136	18.5	0.038	39.0	0.048	59.5	0.024	80.0	0.010
-2.2	0.106	6.0	0.137	19.0	0.059	39.5	0.044	60.0	0.030	80.5	0.010
-2.0	0.071	6.2	0.141	19.5	0.075	40.0	0.041	60.5	0.038	81.0	0.010
-1.8	0.025	6.4	0.146	20.0	0.082	40.5	0.041	61.0	0.045	81.5	0.010
-1.6	0.038	6.6	0.148	20.5	0.079	41.0	0.044	61.5	0.050	82.0	0.010
-1.4	0.108	6.8	0.146	21.0	0.066	41.5	0.047	62.0	0.053	82.5	0.009
-1.2	0.190	7.0	0.140	21.5	0.048	42.0	0.048	62.5	0.054	83.0	0.008
-1.0	0.280	7.2	0.132	22.0	0.033	42.5	0.046	63.0	0.053	83.5	0.008
-0.8	0.376	7.4	0.122	22.5	0.027	43.0	0.042	63.5	0.051	84.0	0.007
-0.6	0.476	7.6	0.112	23.0	0.027	43.5	0.041	64.0	0.047	84.5	0.006
-0.4	0.575	7.8	0.106	23.5	0.030	44.0	0.046	64.5	0.043	85.0	0.005
-0.2	0.672	8.0	0.104	24.0	0.042	44.5	0.053	65.0	0.038	85.5	0.004
0.0	0.761	8.2	0.106	24.5	0.061	45.0	0.060	65.5	0.034	86.0	0.003
0.2	0.841	8.4	0.112	25.0	0.078	45.5	0.063	66.0	0.030	86.5	0.003
0.4	0.906	8.6	0.118	25.5	0.086	46.0	0.061	66.5	0.027	87.0	0.002
0.6	0.956	8.8	0.123	26.0	0.082	46.5	0.057	67.0	0.024	87.5	0.001
0.8	0.988	9.0	0.124	26.5	0.066	47.0	0.053	67.5	0.022	88.0	0.001
1.0	1.000	9.2	0.122	27.0	0.043	47.5	0.051	68.0	0.021	88.5	0.001
1.2	0.992	9.4	0.116	27.5	0.019	48.0	0.052	68.5	0.020	89.0	0.000
1.4	0.966	9.6	0.108	28.0	0.002	48.5	0.052	69.0	0.019	89.5	0.000
1.6	0.921	9.8	0.097	28.5	0.010	49.0	0.051	69.5	0.018	90.0	0.000
1.8	0.860	10.0	0.087	29.0	0.011	49.5	0.045	70.0	0.018		
2.0	0.785	10.2	0.078	29.5	0.016	50.0	0.037	70.5	0.017		
2.2	0.702	10.4	0.074	30.0	0.032	50.5	0.030	71.0	0.017		