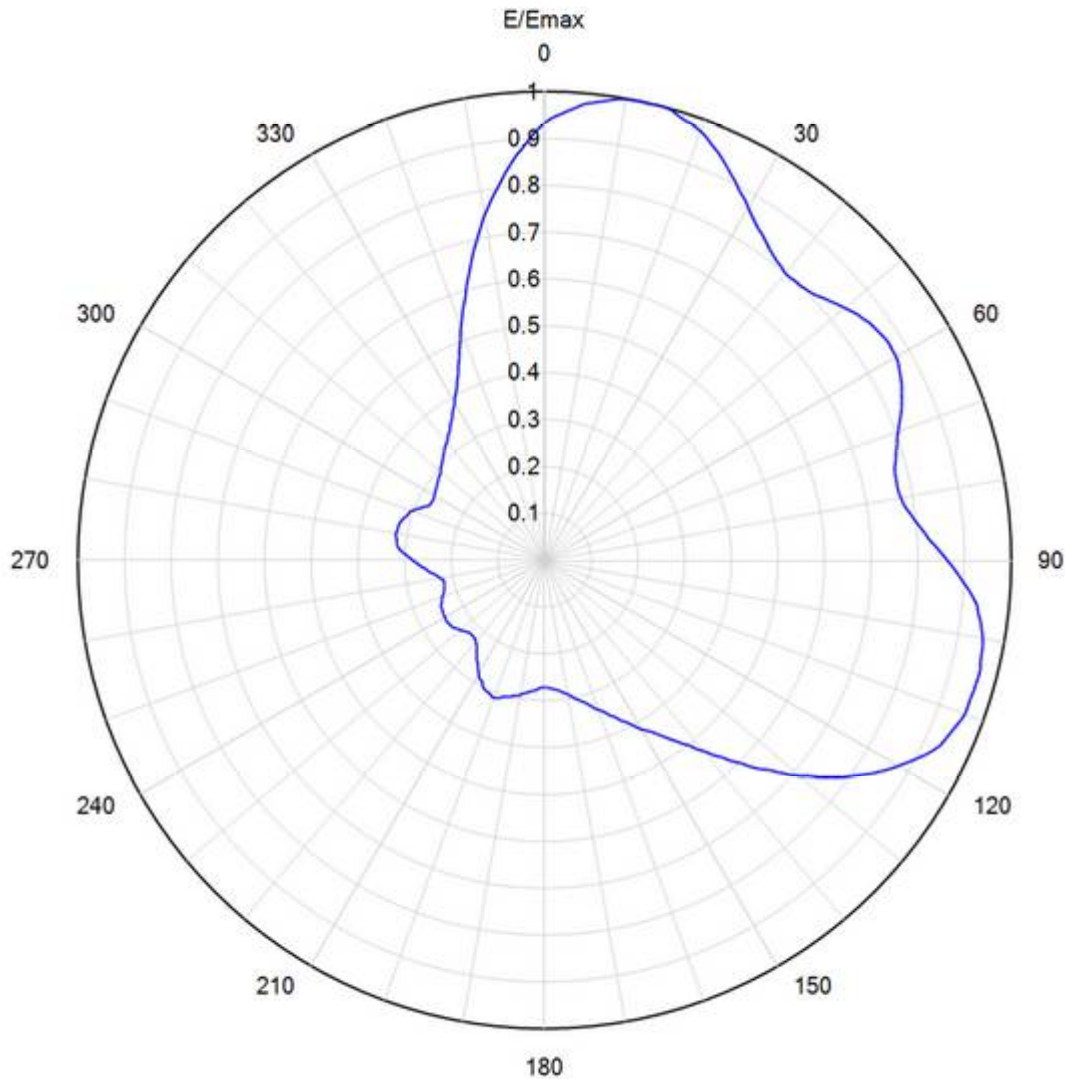




Azimuth Pattern



Model: SAA12-WFPT-E200-ET5R-28

Location:

Customer: Maryland Public Television

Date: December 18, 2020

Rotation Angle: 60 degrees

Note: Pattern Tolerance +/-5% of Emax

Polarization: Horizontal

Frequency: 557.00 MHz

Directivity: 2.7 (4.24 dB)

Elevation Angle: 0.50 degrees

Horizontal Unit Pattern:

File = wfpt-azimuth.pat



Model: **SAA12-WFPT-E200-ET5R-28**
Location:
Customer: **Maryland Public Television**
Date: **December 18, 2020**

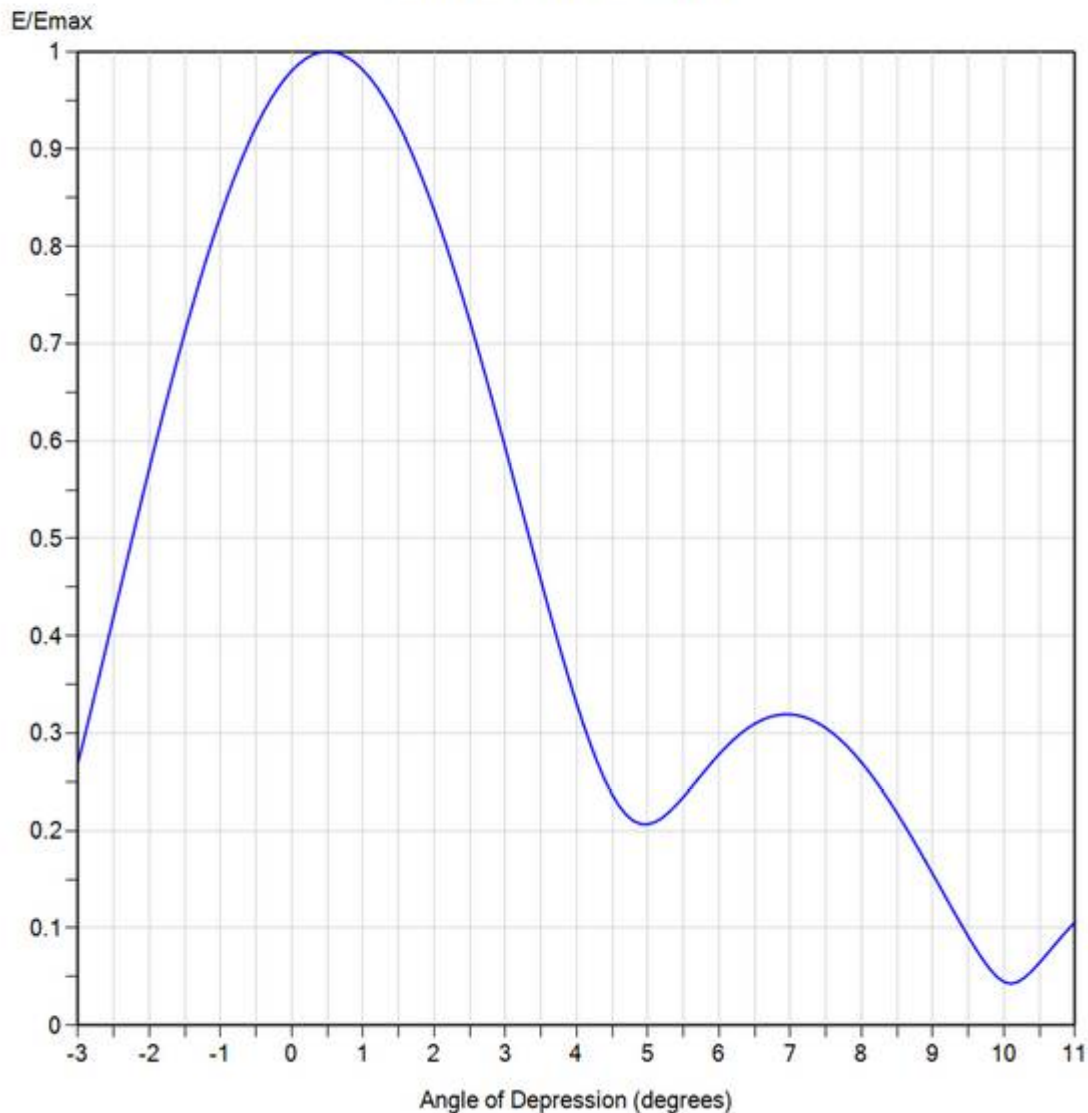
Polarization: **Horizontal**
Frequency (MHz): **557.00**
Directivity: **2.7 (4.24 dB)**
Elevation Angle: **0.50 degrees**
Rotation Angle: **60 degrees**

TABULATED AZIMUTH PATTERN

Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field
0	0.934	45	0.807	90	0.863	135	0.623	180	0.272	225	0.223	270	0.284	315	0.306
1	0.944	46	0.813	91	0.875	136	0.604	181	0.273	226	0.223	271	0.290	316	0.311
2	0.952	47	0.820	92	0.886	137	0.585	182	0.273	227	0.225	272	0.296	317	0.315
3	0.960	48	0.825	93	0.898	138	0.568	183	0.275	228	0.227	273	0.303	318	0.319
4	0.969	49	0.831	94	0.912	139	0.551	184	0.277	229	0.230	274	0.309	319	0.323
5	0.977	50	0.838	95	0.924	140	0.535	185	0.280	230	0.233	275	0.315	320	0.326
6	0.982	51	0.844	96	0.931	141	0.519	186	0.282	231	0.236	276	0.317	321	0.331
7	0.986	52	0.851	97	0.936	142	0.504	187	0.285	232	0.238	277	0.318	322	0.336
8	0.990	53	0.856	98	0.942	143	0.490	188	0.287	233	0.241	278	0.320	323	0.340
9	0.995	54	0.860	99	0.949	144	0.477	189	0.289	234	0.243	279	0.322	324	0.345
10	0.999	55	0.864	100	0.954	145	0.465	190	0.292	235	0.244	280	0.323	325	0.351
11	1.000	56	0.867	101	0.956	146	0.454	191	0.294	236	0.245	281	0.322	326	0.357
12	0.999	57	0.870	102	0.957	147	0.443	192	0.296	237	0.246	282	0.322	327	0.363
13	0.999	58	0.870	103	0.959	148	0.433	193	0.298	238	0.247	283	0.321	328	0.371
14	1.000	59	0.870	104	0.962	149	0.425	194	0.300	239	0.246	284	0.320	329	0.378
15	1.000	60	0.869	105	0.963	150	0.416	195	0.302	240	0.245	285	0.319	330	0.387
16	0.996	61	0.866	106	0.962	151	0.407	196	0.304	241	0.245	286	0.316	331	0.395
17	0.990	62	0.863	107	0.960	152	0.399	197	0.306	242	0.245	287	0.313	332	0.405
18	0.985	63	0.857	108	0.959	153	0.390	198	0.309	243	0.245	288	0.310	333	0.415
19	0.981	64	0.851	109	0.960	154	0.382	199	0.312	244	0.244	289	0.308	334	0.426
20	0.976	65	0.845	110	0.959	155	0.375	200	0.314	245	0.243	290	0.305	335	0.439
21	0.967	66	0.838	111	0.955	156	0.367	201	0.313	246	0.242	291	0.300	336	0.453
22	0.956	67	0.831	112	0.949	157	0.360	202	0.310	247	0.240	292	0.294	337	0.469
23	0.946	68	0.823	113	0.944	158	0.353	203	0.307	248	0.238	293	0.288	338	0.486
24	0.937	69	0.815	114	0.941	159	0.346	204	0.307	249	0.236	294	0.281	339	0.504
25	0.927	70	0.808	115	0.936	160	0.339	205	0.305	250	0.233	295	0.274	340	0.523
26	0.915	71	0.800	116	0.926	161	0.334	206	0.300	251	0.230	296	0.272	341	0.542
27	0.903	72	0.793	117	0.914	162	0.329	207	0.295	252	0.227	297	0.272	342	0.563
28	0.892	73	0.787	118	0.903	163	0.323	208	0.291	253	0.224	298	0.272	343	0.585
29	0.882	74	0.782	119	0.891	164	0.317	209	0.288	254	0.222	299	0.272	344	0.607
30	0.872	75	0.777	120	0.879	165	0.311	210	0.282	255	0.221	300	0.273	345	0.630
31	0.862	76	0.774	121	0.865	166	0.308	211	0.275	256	0.220	301	0.274	346	0.652
32	0.851	77	0.772	122	0.850	167	0.304	212	0.269	257	0.219	302	0.276	347	0.674
33	0.843	78	0.771	123	0.835	168	0.300	213	0.263	258	0.220	303	0.278	348	0.697
34	0.835	79	0.772	124	0.821	169	0.295	214	0.258	259	0.222	304	0.279	349	0.721
35	0.828	80	0.775	125	0.805	170	0.290	215	0.253	260	0.226	305	0.281	350	0.744
36	0.820	81	0.778	126	0.787	171	0.288	216	0.247	261	0.229	306	0.283	351	0.765
37	0.813	82	0.783	127	0.769	172	0.285	217	0.242	262	0.234	307	0.285	352	0.785
38	0.808	83	0.790	128	0.751	173	0.282	218	0.236	263	0.239	308	0.287	353	0.806
39	0.804	84	0.799	129	0.734	174	0.280	219	0.232	264	0.245	309	0.289	354	0.828
40	0.801	85	0.809	130	0.718	175	0.277	220	0.229	265	0.252	310	0.290	355	0.848
41	0.801	86	0.818	131	0.697	176	0.276	221	0.225	266	0.257	311	0.294	356	0.866
42	0.801	87	0.827	132	0.677	177	0.274	222	0.223	267	0.264	312	0.298	357	0.883
43	0.803	88	0.838	133	0.659	178	0.273	223	0.222	268	0.270	313	0.301	358	0.901
44	0.805	89	0.851	134	0.641	179	0.272	224	0.222	269	0.277	314	0.304	359	0.919



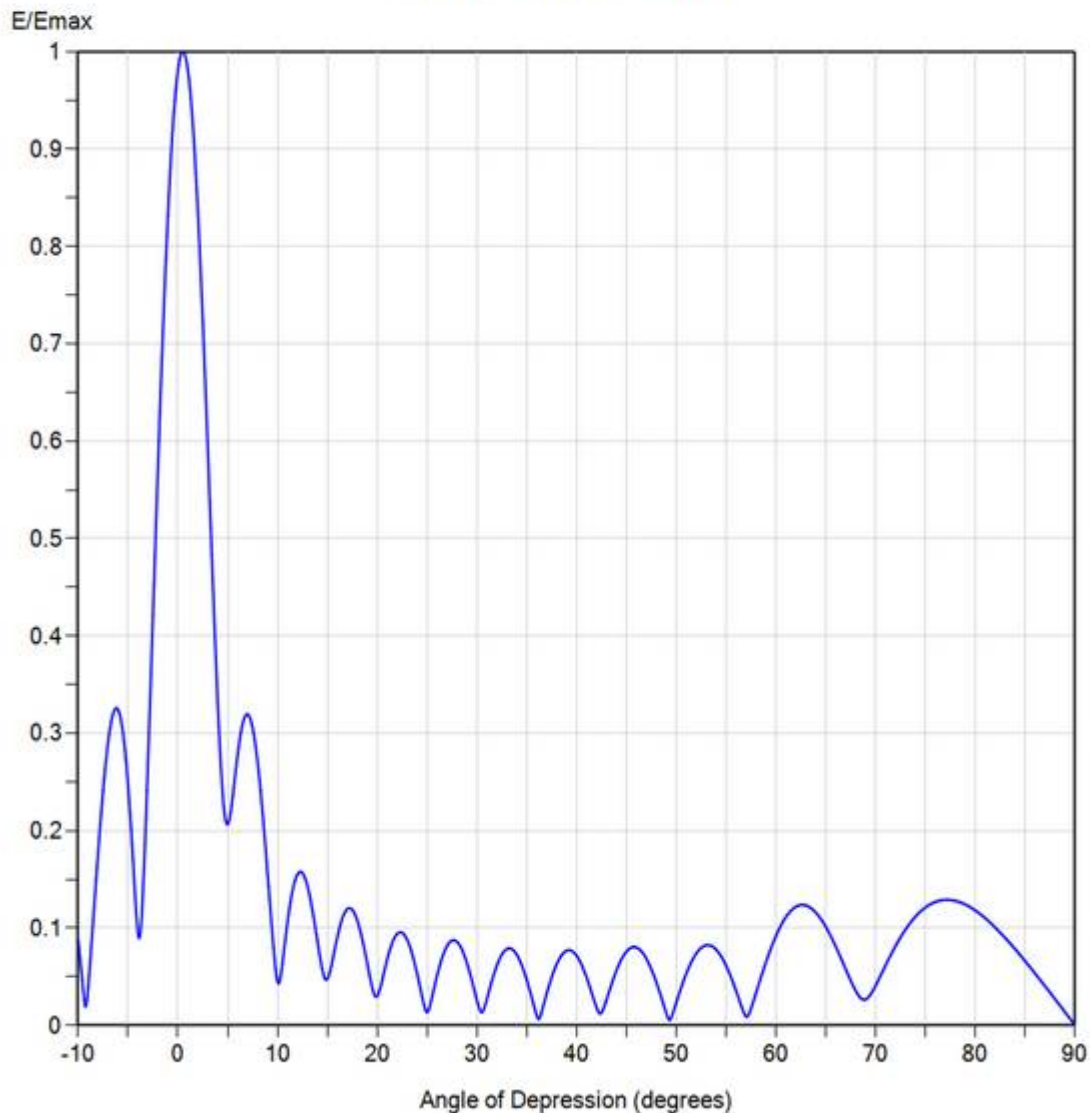
Elevation Pattern



Model:	SAA12-WFPT-E200-ET5R-28	Frequency:	557.00 MHz
Polarization:	<u>Horizontal</u>	Directivity (Main Lobe):	12.9 (11.12 dBd)
Location:		Directivity (At Horizon):	12.4 (10.94 dBd)
Customer:	Maryland Public Television	Beam Tilt:	0.50 degrees
Date:	December 18, 2020	Azimuth Angle:	15 degrees



Elevation Pattern



Model:	SAA12-WFPT-E200-ET5R-28	Frequency:	557.00 MHz
Polarization:	<u>Horizontal</u>	Directivity (Main Lobe):	12.9 (11.12 dBd)
Location:		Directivity (At Horizon):	12.4 (10.94 dBd)
Customer:	Maryland Public Television	Beam Tilt:	0.50 degrees
Date:	December 18, 2020	Azimuth Angle:	15 degrees



Model: **SAA12-WFPT-E200-ET5R-28**
Location:
Customer: **Maryland Public Television**
Date: **December 18, 2020**

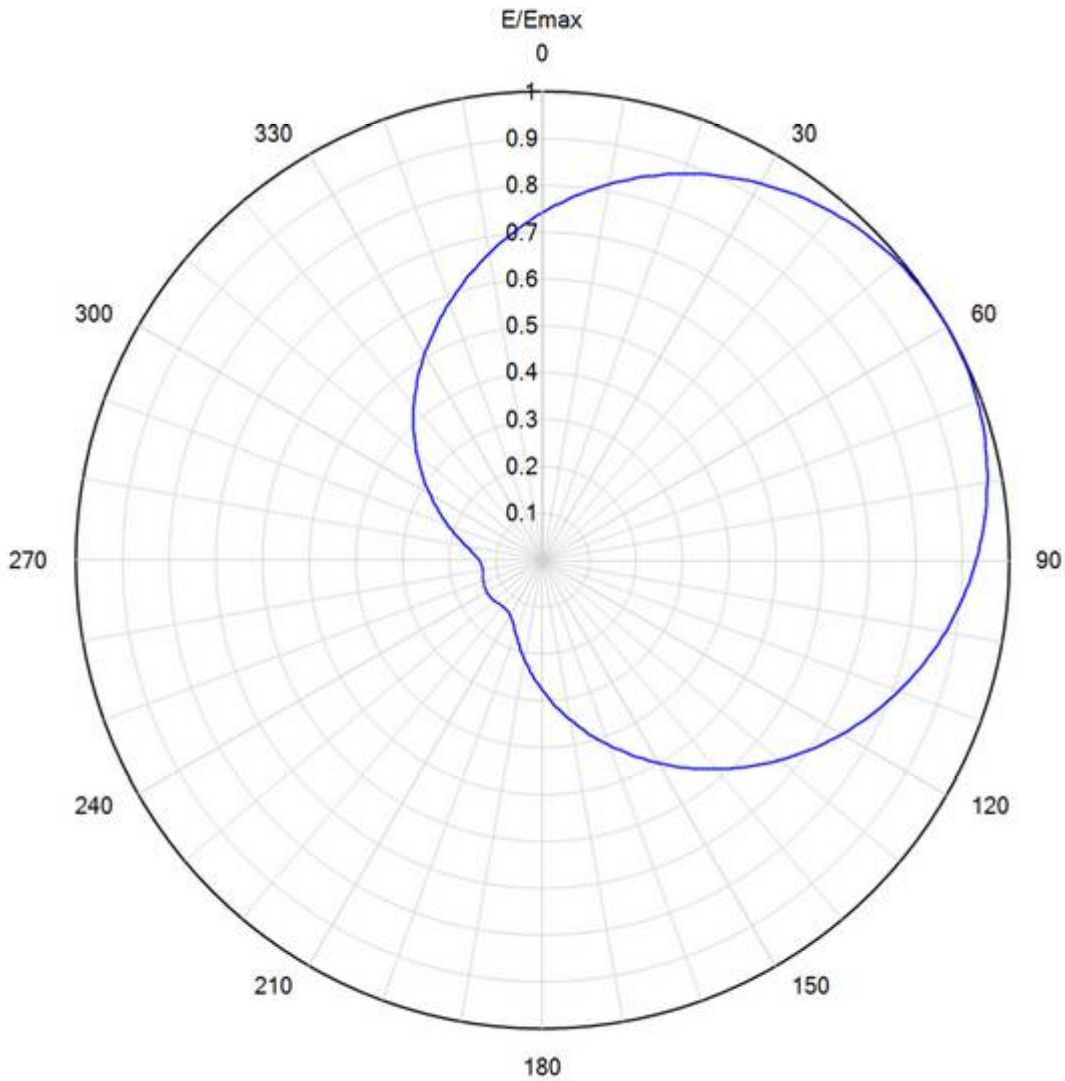
Polarization: **Horizontal**
Frequency (MHz): **557.00**
Directivity (Main Lobe): **12.9 (11.12 dB)**
Directivity (At Horizon): **12.4 (10.94 dB)**
Beam Tilt: **0.50 degrees**

TABULATED ELEVATION PATTERN

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.088	2.4	0.748	10.6	0.073	30.5	0.013	51.0	0.053	71.5	0.072
-9.5	0.036	2.6	0.698	10.8	0.090	31.0	0.027	51.5	0.065	72.0	0.082
-9.0	0.039	2.8	0.646	11.0	0.106	31.5	0.046	52.0	0.074	72.5	0.091
-8.5	0.107	3.0	0.592	11.5	0.138	32.0	0.061	52.5	0.080	73.0	0.099
-8.0	0.178	3.2	0.538	12.0	0.155	32.5	0.073	53.0	0.082	73.5	0.106
-7.5	0.241	3.4	0.484	12.5	0.157	33.0	0.078	53.5	0.082	74.0	0.112
-7.0	0.291	3.6	0.430	13.0	0.143	33.5	0.078	54.0	0.078	74.5	0.117
-6.5	0.320	3.8	0.378	13.5	0.118	34.0	0.073	54.5	0.071	75.0	0.121
-6.0	0.324	4.0	0.330	14.0	0.087	34.5	0.062	55.0	0.061	75.5	0.125
-5.5	0.300	4.2	0.287	14.5	0.057	35.0	0.047	55.5	0.049	76.0	0.127
-5.0	0.247	4.4	0.252	15.0	0.048	35.5	0.029	56.0	0.035	76.5	0.128
-4.5	0.169	4.6	0.225	15.5	0.066	36.0	0.010	56.5	0.021	77.0	0.129
-4.0	0.094	4.8	0.210	16.0	0.091	36.5	0.014	57.0	0.009	77.5	0.129
-3.5	0.138	5.0	0.207	16.5	0.110	37.0	0.033	57.5	0.017	78.0	0.128
-3.0	0.270	5.2	0.213	17.0	0.120	37.5	0.049	58.0	0.033	78.5	0.126
-2.8	0.330	5.4	0.227	17.5	0.119	38.0	0.063	58.5	0.050	79.0	0.124
-2.6	0.390	5.6	0.243	18.0	0.108	38.5	0.072	59.0	0.065	79.5	0.121
-2.4	0.452	5.8	0.261	18.5	0.088	39.0	0.077	59.5	0.079	80.0	0.118
-2.2	0.513	6.0	0.278	19.0	0.063	39.5	0.077	60.0	0.092	80.5	0.114
-2.0	0.572	6.2	0.293	19.5	0.039	40.0	0.071	60.5	0.103	81.0	0.110
-1.8	0.630	6.4	0.305	20.0	0.030	40.5	0.062	61.0	0.111	81.5	0.105
-1.6	0.686	6.6	0.313	20.5	0.046	41.0	0.049	61.5	0.118	82.0	0.100
-1.4	0.738	6.8	0.318	21.0	0.068	41.5	0.034	62.0	0.122	82.5	0.095
-1.2	0.787	7.0	0.319	21.5	0.085	42.0	0.018	62.5	0.124	83.0	0.090
-1.0	0.832	7.2	0.317	22.0	0.094	42.5	0.013	63.0	0.123	83.5	0.084
-0.8	0.872	7.4	0.310	22.5	0.095	43.0	0.026	63.5	0.121	84.0	0.078
-0.6	0.908	7.6	0.300	23.0	0.088	43.5	0.042	64.0	0.116	84.5	0.072
-0.4	0.938	7.8	0.286	23.5	0.073	44.0	0.056	64.5	0.109	85.0	0.066
-0.2	0.962	8.0	0.270	24.0	0.053	44.5	0.068	65.0	0.101	85.5	0.060
0.0	0.980	8.2	0.251	24.5	0.030	45.0	0.076	65.5	0.092	86.0	0.053
0.2	0.993	8.4	0.230	25.0	0.013	45.5	0.080	66.0	0.081	86.5	0.047
0.4	0.999	8.6	0.206	25.5	0.029	46.0	0.080	66.5	0.069	87.0	0.040
0.6	0.999	8.8	0.181	26.0	0.051	46.5	0.076	67.0	0.058	87.5	0.034
0.8	0.993	9.0	0.156	26.5	0.069	47.0	0.068	67.5	0.046	88.0	0.027
1.0	0.981	9.2	0.130	27.0	0.082	47.5	0.058	68.0	0.035	88.5	0.020
1.2	0.963	9.4	0.104	27.5	0.087	48.0	0.044	68.5	0.028	89.0	0.013
1.4	0.939	9.6	0.079	28.0	0.086	48.5	0.029	69.0	0.027	89.5	0.007
1.6	0.910	9.8	0.058	28.5	0.078	49.0	0.012	69.5	0.032	90.0	
1.8	0.876	10.0	0.045	29.0	0.064	49.5	0.008	70.0	0.041		
2.0	0.837	10.2	0.045	29.5	0.046	50.0	0.024	70.5	0.051		
2.2	0.794	10.4	0.056	30.0	0.026	50.5	0.039	71.0	0.062		



Azimuth Pattern



Model: SAA12-WFPT-E200-ET5R-28

Location:

Customer: Maryland Public Television

Date: December 18, 2020

Rotation Angle: 60 degrees

Note: Pattern Tolerance +/-5% of Emax

Polarization: Vertical

Frequency: 557.00 MHz

Directivity: 2.6 (4.22 dB)

Elevation Angle: 0.50 degrees

Horizontal Unit Pattern:

File = 0-CA-129-4.22-500-S180_Vpol.pat



Model: **SAA12-WFPT-E200-ET5R-28**
Location:
Customer: **Maryland Public Television**
Date: **December 18, 2020**

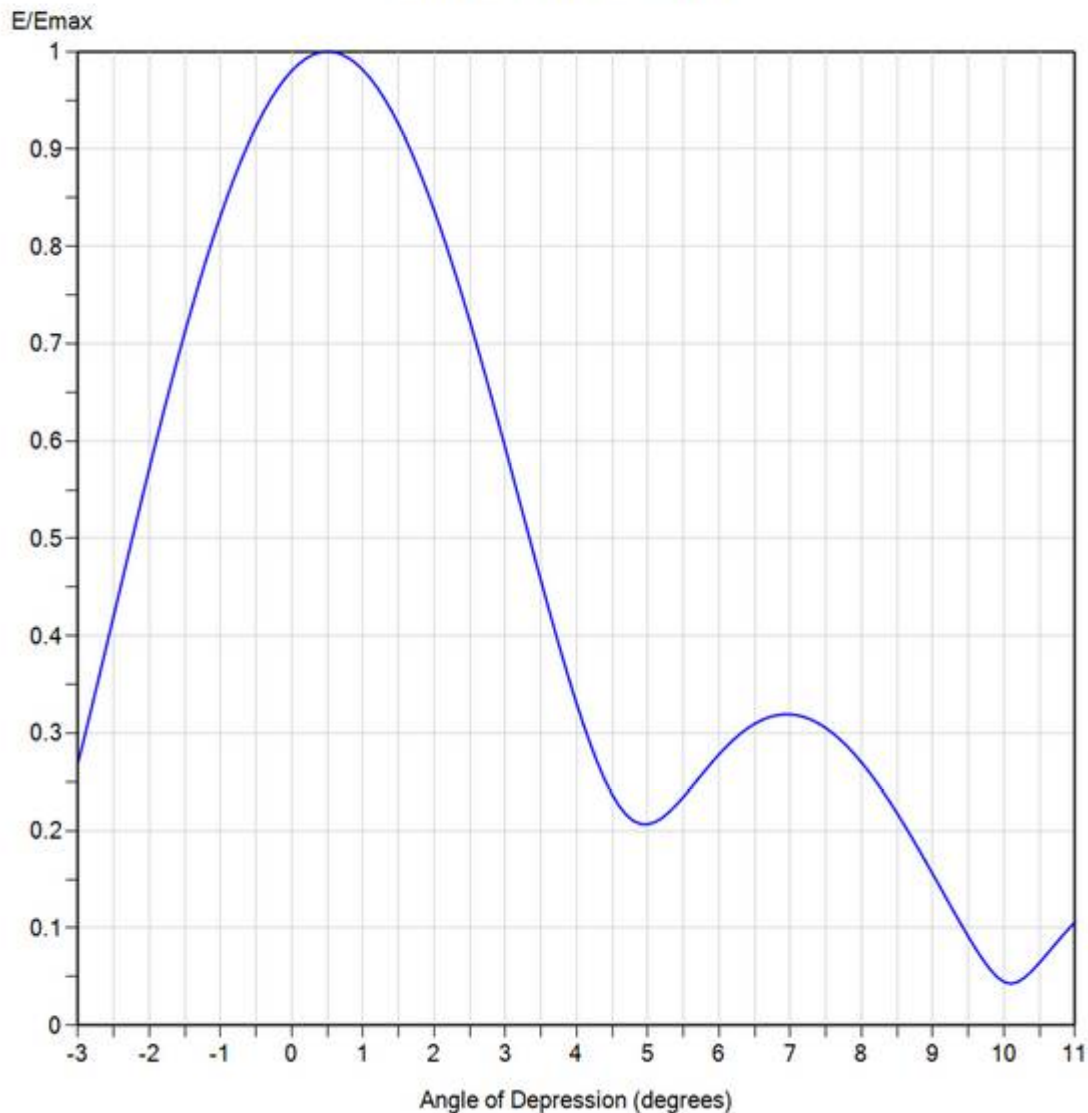
Polarization: **Vertical**
Frequency (MHz): **557.00**
Directivity: **2.6 (4.22 dB)**
Elevation Angle: **0.50 degrees**
Rotation Angle: **60 degrees**

TABULATED AZIMUTH PATTERN

Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field	Angl	Field
0	0.742	45	0.982	90	0.929	135	0.624	180	0.279	225	0.132	270	0.136	315	0.390
1	0.749	46	0.984	91	0.924	136	0.616	181	0.272	226	0.133	271	0.138	316	0.397
2	0.757	47	0.987	92	0.920	137	0.608	182	0.266	227	0.133	272	0.140	317	0.405
3	0.764	48	0.989	93	0.915	138	0.599	183	0.259	228	0.134	273	0.142	318	0.413
4	0.772	49	0.990	94	0.910	139	0.591	184	0.253	229	0.134	274	0.145	319	0.421
5	0.779	50	0.992	95	0.904	140	0.583	185	0.247	230	0.135	275	0.147	320	0.429
6	0.786	51	0.994	96	0.899	141	0.575	186	0.241	231	0.135	276	0.150	321	0.436
7	0.793	52	0.995	97	0.894	142	0.567	187	0.235	232	0.136	277	0.154	322	0.444
8	0.800	53	0.996	98	0.888	143	0.558	188	0.229	233	0.136	278	0.157	323	0.452
9	0.807	54	0.997	99	0.883	144	0.550	189	0.223	234	0.137	279	0.161	324	0.460
10	0.814	55	0.998	100	0.877	145	0.542	190	0.217	235	0.137	280	0.165	325	0.467
11	0.821	56	0.999	101	0.871	146	0.534	191	0.211	236	0.137	281	0.169	326	0.475
12	0.828	57	0.999	102	0.865	147	0.525	192	0.206	237	0.137	282	0.173	327	0.483
13	0.834	58	1.000	103	0.859	148	0.517	193	0.200	238	0.138	283	0.178	328	0.491
14	0.841	59	1.000	104	0.853	149	0.509	194	0.195	239	0.138	284	0.182	329	0.498
15	0.847	60	1.000	105	0.847	150	0.501	195	0.190	240	0.138	285	0.187	330	0.506
16	0.853	61	1.000	106	0.840	151	0.493	196	0.185	241	0.138	286	0.192	331	0.514
17	0.860	62	1.000	107	0.834	152	0.485	197	0.180	242	0.137	287	0.197	332	0.522
18	0.866	63	0.999	108	0.827	153	0.477	198	0.176	243	0.137	288	0.203	333	0.529
19	0.872	64	0.999	109	0.821	154	0.469	199	0.171	244	0.137	289	0.208	334	0.537
20	0.878	65	0.998	110	0.814	155	0.461	200	0.167	245	0.137	290	0.214	335	0.545
21	0.883	66	0.997	111	0.807	156	0.453	201	0.163	246	0.136	291	0.220	336	0.553
22	0.889	67	0.996	112	0.800	157	0.445	202	0.159	247	0.136	292	0.226	337	0.561
23	0.894	68	0.995	113	0.793	158	0.437	203	0.156	248	0.136	293	0.232	338	0.568
24	0.900	69	0.993	114	0.786	159	0.429	204	0.152	249	0.135	294	0.238	339	0.576
25	0.905	70	0.992	115	0.779	160	0.421	205	0.149	250	0.135	295	0.244	340	0.584
26	0.910	71	0.990	116	0.772	161	0.414	206	0.146	251	0.134	296	0.251	341	0.592
27	0.915	72	0.988	117	0.764	162	0.406	207	0.144	252	0.133	297	0.258	342	0.600
28	0.920	73	0.986	118	0.757	163	0.398	208	0.141	253	0.133	298	0.264	343	0.608
29	0.925	74	0.984	119	0.749	164	0.391	209	0.139	254	0.132	299	0.271	344	0.616
30	0.930	75	0.982	120	0.742	165	0.383	210	0.138	255	0.132	300	0.278	345	0.624
31	0.934	76	0.979	121	0.734	166	0.376	211	0.136	256	0.131	301	0.285	346	0.632
32	0.938	77	0.977	122	0.727	167	0.369	212	0.134	257	0.131	302	0.292	347	0.640
33	0.943	78	0.974	123	0.719	168	0.361	213	0.133	258	0.130	303	0.299	348	0.648
34	0.947	79	0.971	124	0.711	169	0.354	214	0.132	259	0.130	304	0.306	349	0.656
35	0.951	80	0.968	125	0.704	170	0.347	215	0.132	260	0.130	305	0.314	350	0.664
36	0.954	81	0.965	126	0.696	171	0.340	216	0.131	261	0.130	306	0.321	351	0.672
37	0.958	82	0.961	127	0.688	172	0.333	217	0.131	262	0.130	307	0.328	352	0.680
38	0.962	83	0.958	128	0.680	173	0.326	218	0.130	263	0.130	308	0.336	353	0.687
39	0.965	84	0.954	129	0.672	174	0.319	219	0.130	264	0.130	309	0.343	354	0.695
40	0.968	85	0.950	130	0.664	175	0.312	220	0.130	265	0.131	310	0.351	355	0.703
41	0.971	86	0.946	131	0.656	176	0.305	221	0.131	266	0.131	311	0.359	356	0.711
42	0.974	87	0.942	132	0.648	177	0.299	222	0.131	267	0.132	312	0.366	357	0.719
43	0.977	88	0.938	133	0.640	178	0.292	223	0.131	268	0.133	313	0.374	358	0.727
44	0.980	89	0.933	134	0.632	179	0.285	224	0.132	269	0.135	314	0.382	359	0.734



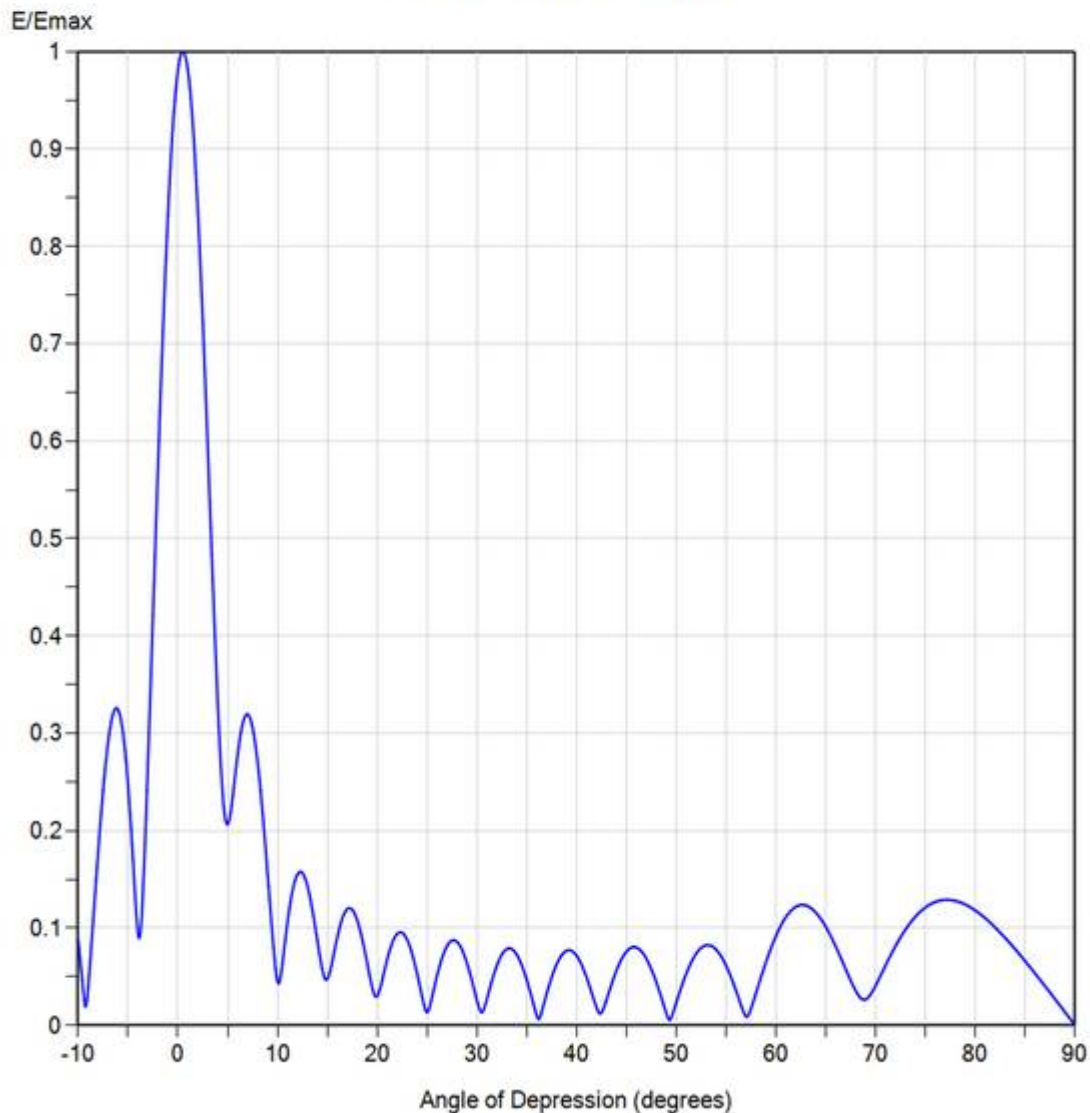
Elevation Pattern



Model:	SAA12-WFPT-E200-ET5R-28	Frequency:	557.00 MHz
Polarization:	<u>Vertical</u>	Directivity (Main Lobe):	12.9 (11.12 dBd)
Location:		Directivity (At Horizon):	12.4 (10.94 dBd)
Customer:	Maryland Public Television	Beam Tilt:	0.50 degrees
Date:	December 18, 2020	Azimuth Angle:	60 degrees



Elevation Pattern



Model:	SAA12-WFPT-E200-ET5R-28	Frequency:	557.00 MHz
Polarization:	<u>Vertical</u>	Directivity (Main Lobe):	12.9 (11.12 dBd)
Location:		Directivity (At Horizon):	12.4 (10.94 dBd)
Customer:	Maryland Public Television	Beam Tilt:	0.50 degrees
Date:	December 18, 2020	Azimuth Angle:	60 degrees



Model: **SAA12-WFPT-E200-ET5R-28**
Location:
Customer: **Maryland Public Television**
Date: **December 18, 2020**

Polarization: **Vertical**
Frequency (MHz): **557.00**
Directivity (Main Lobe): **12.9 (11.12 dB)**
Directivity (At Horizon): **12.4 (10.94 dB)**
Beam Tilt: **0.50 degrees**

TABULATED ELEVATION PATTERN

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.088	2.4	0.748	10.6	0.073	30.5	0.013	51.0	0.053	71.5	0.072
-9.5	0.036	2.6	0.698	10.8	0.090	31.0	0.027	51.5	0.065	72.0	0.082
-9.0	0.039	2.8	0.646	11.0	0.106	31.5	0.046	52.0	0.074	72.5	0.091
-8.5	0.107	3.0	0.592	11.5	0.138	32.0	0.061	52.5	0.080	73.0	0.099
-8.0	0.178	3.2	0.538	12.0	0.155	32.5	0.073	53.0	0.082	73.5	0.106
-7.5	0.241	3.4	0.484	12.5	0.157	33.0	0.078	53.5	0.082	74.0	0.112
-7.0	0.291	3.6	0.430	13.0	0.143	33.5	0.078	54.0	0.078	74.5	0.117
-6.5	0.320	3.8	0.378	13.5	0.118	34.0	0.073	54.5	0.071	75.0	0.121
-6.0	0.324	4.0	0.330	14.0	0.087	34.5	0.062	55.0	0.061	75.5	0.125
-5.5	0.300	4.2	0.287	14.5	0.057	35.0	0.047	55.5	0.049	76.0	0.127
-5.0	0.247	4.4	0.252	15.0	0.048	35.5	0.029	56.0	0.035	76.5	0.128
-4.5	0.169	4.6	0.225	15.5	0.066	36.0	0.010	56.5	0.021	77.0	0.129
-4.0	0.094	4.8	0.210	16.0	0.091	36.5	0.014	57.0	0.009	77.5	0.129
-3.5	0.138	5.0	0.207	16.5	0.110	37.0	0.033	57.5	0.017	78.0	0.128
-3.0	0.270	5.2	0.213	17.0	0.120	37.5	0.049	58.0	0.033	78.5	0.126
-2.8	0.330	5.4	0.227	17.5	0.119	38.0	0.063	58.5	0.050	79.0	0.124
-2.6	0.390	5.6	0.243	18.0	0.108	38.5	0.072	59.0	0.065	79.5	0.121
-2.4	0.452	5.8	0.261	18.5	0.088	39.0	0.077	59.5	0.079	80.0	0.118
-2.2	0.513	6.0	0.278	19.0	0.063	39.5	0.077	60.0	0.092	80.5	0.114
-2.0	0.572	6.2	0.293	19.5	0.039	40.0	0.071	60.5	0.103	81.0	0.110
-1.8	0.630	6.4	0.305	20.0	0.030	40.5	0.062	61.0	0.111	81.5	0.105
-1.6	0.686	6.6	0.313	20.5	0.046	41.0	0.049	61.5	0.118	82.0	0.100
-1.4	0.738	6.8	0.318	21.0	0.068	41.5	0.034	62.0	0.122	82.5	0.095
-1.2	0.787	7.0	0.319	21.5	0.085	42.0	0.018	62.5	0.124	83.0	0.090
-1.0	0.832	7.2	0.317	22.0	0.094	42.5	0.013	63.0	0.123	83.5	0.084
-0.8	0.872	7.4	0.310	22.5	0.095	43.0	0.026	63.5	0.121	84.0	0.078
-0.6	0.908	7.6	0.300	23.0	0.088	43.5	0.042	64.0	0.116	84.5	0.072
-0.4	0.938	7.8	0.286	23.5	0.073	44.0	0.056	64.5	0.109	85.0	0.066
-0.2	0.962	8.0	0.270	24.0	0.053	44.5	0.068	65.0	0.101	85.5	0.060
0.0	0.980	8.2	0.251	24.5	0.030	45.0	0.076	65.5	0.092	86.0	0.053
0.2	0.993	8.4	0.230	25.0	0.013	45.5	0.080	66.0	0.081	86.5	0.047
0.4	0.999	8.6	0.206	25.5	0.029	46.0	0.080	66.5	0.069	87.0	0.040
0.6	0.999	8.8	0.181	26.0	0.051	46.5	0.076	67.0	0.058	87.5	0.034
0.8	0.993	9.0	0.156	26.5	0.069	47.0	0.068	67.5	0.046	88.0	0.027
1.0	0.981	9.2	0.130	27.0	0.082	47.5	0.058	68.0	0.035	88.5	0.020
1.2	0.963	9.4	0.104	27.5	0.087	48.0	0.044	68.5	0.028	89.0	0.013
1.4	0.939	9.6	0.079	28.0	0.086	48.5	0.029	69.0	0.027	89.5	0.007
1.6	0.910	9.8	0.058	28.5	0.078	49.0	0.012	69.5	0.032	90.0	
1.8	0.876	10.0	0.045	29.0	0.064	49.5	0.008	70.0	0.041		
2.0	0.837	10.2	0.045	29.5	0.046	50.0	0.024	70.5	0.051		
2.2	0.794	10.4	0.056	30.0	0.026	50.5	0.039	71.0	0.062		