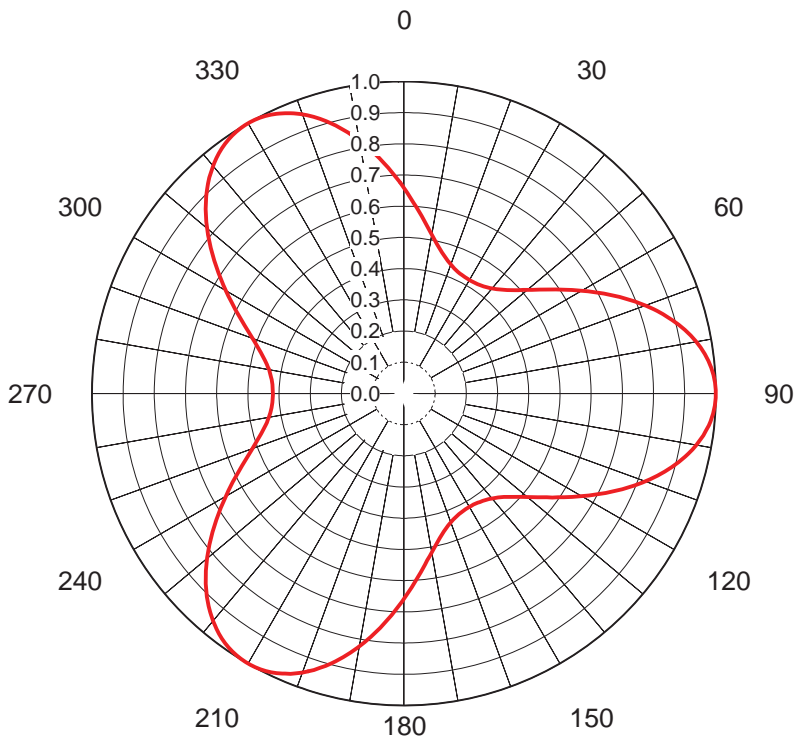


AZIMUTH PATTERN Horizontal Polarization

Proposal No. **C-70150-1**
 Date **13-Feb-17**
 Call Letters **WMYA 35**
 Frequency **599 MHz**
 Antenna Type **TFU-28GTH/VP-R 6T200**
 Gain **1.96 (2.92dB)**
 Calculated



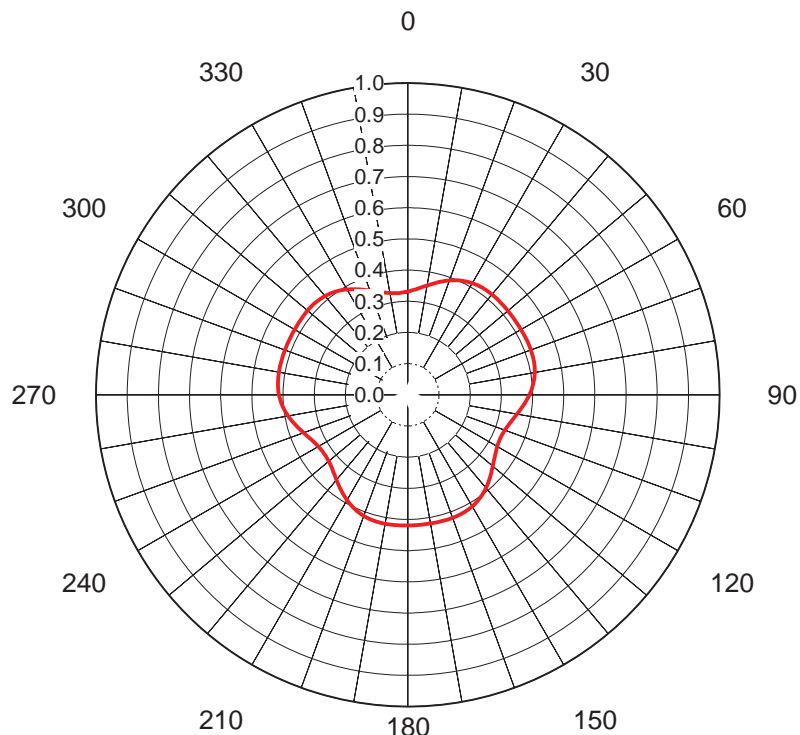
Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.659	36	0.426	72	0.854	108	0.854	144	0.426	180	0.659	216	0.982	252	0.495	288	0.495
1	0.643	37	0.429	73	0.868	109	0.839	145	0.424	181	0.675	217	0.976	253	0.486	289	0.506
2	0.626	38	0.432	74	0.882	110	0.824	146	0.423	182	0.692	218	0.969	254	0.477	290	0.516
3	0.611	39	0.435	75	0.895	111	0.808	147	0.422	183	0.709	219	0.960	255	0.469	291	0.528
4	0.596	40	0.439	76	0.908	112	0.792	148	0.420	184	0.725	220	0.952	256	0.461	292	0.540
5	0.581	41	0.444	77	0.920	113	0.775	149	0.420	185	0.742	221	0.942	257	0.455	293	0.554
6	0.567	42	0.449	78	0.932	114	0.759	150	0.420	186	0.759	222	0.932	258	0.449	294	0.567
7	0.554	43	0.455	79	0.942	115	0.742	151	0.420	187	0.775	223	0.920	259	0.444	295	0.581
8	0.540	44	0.461	80	0.952	116	0.725	152	0.420	188	0.792	224	0.908	260	0.439	296	0.596
9	0.528	45	0.469	81	0.960	117	0.709	153	0.422	189	0.808	225	0.895	261	0.435	297	0.611
10	0.516	46	0.477	82	0.969	118	0.692	154	0.423	190	0.824	226	0.882	262	0.432	298	0.626
11	0.506	47	0.486	83	0.976	119	0.675	155	0.424	191	0.839	227	0.868	263	0.429	299	0.643
12	0.495	48	0.495	84	0.982	120	0.659	156	0.426	192	0.854	228	0.854	264	0.426	300	0.659
13	0.486	49	0.506	85	0.987	121	0.643	157	0.429	193	0.868	229	0.839	265	0.424	301	0.675
14	0.477	50	0.516	86	0.992	122	0.626	158	0.432	194	0.882	230	0.824	266	0.423	302	0.692
15	0.469	51	0.528	87	0.995	123	0.611	159	0.435	195	0.895	231	0.808	267	0.422	303	0.709
16	0.461	52	0.540	88	0.998	124	0.596	160	0.439	196	0.908	232	0.792	268	0.420	304	0.725
17	0.455	53	0.554	89	0.999	125	0.581	161	0.444	197	0.920	233	0.775	269	0.420	305	0.742
18	0.449	54	0.567	90	1.000	126	0.567	162	0.449	198	0.932	234	0.759	270	0.420	306	0.759
19	0.444	55	0.581	91	0.999	127	0.554	163	0.455	199	0.942	235	0.742	271	0.420	307	0.775
20	0.439	56	0.596	92	0.998	128	0.540	164	0.461	200	0.952	236	0.725	272	0.420	308	0.792
21	0.435	57	0.611	93	0.995	129	0.528	165	0.469	201	0.960	237	0.709	273	0.422	309	0.808
22	0.432	58	0.626	94	0.992	130	0.516	166	0.477	202	0.969	238	0.692	274	0.423	310	0.824
23	0.429	59	0.643	95	0.987	131	0.506	167	0.486	203	0.976	239	0.675	275	0.424	311	0.839
24	0.426	60	0.659	96	0.982	132	0.495	168	0.495	204	0.982	240	0.659	276	0.426	312	0.854
25	0.424	61	0.675	97	0.976	133	0.486	169	0.506	205	0.987	241	0.643	277	0.429	313	0.868
26	0.423	62	0.692	98	0.969	134	0.477	170	0.516	206	0.992	242	0.626	278	0.432	314	0.882
27	0.422	63	0.709	99	0.960	135	0.469	171	0.528	207	0.995	243	0.611	279	0.435	315	0.895
28	0.420	64	0.725	100	0.952	136	0.461	172	0.540	208	0.998	244	0.596	280	0.439	316	0.908
29	0.420	65	0.742	101	0.942	137	0.455	173	0.554	209	0.999	245	0.581	281	0.444	317	0.920
30	0.420	66	0.759	102	0.932	138	0.449	174	0.567	210	1.000	246	0.567	282	0.449	318	0.932
31	0.420	67	0.775	103	0.920	139	0.444	175	0.581	211	0.999	247	0.554	283	0.455	319	0.942
32	0.420	68	0.792	104	0.908	140	0.439	176	0.596	212	0.998	248	0.540	284	0.461	320	0.952
33	0.422	69	0.808	105	0.895	141	0.435	177	0.611	213	0.995	249	0.528	285	0.469	321	0.960
34	0.423	70	0.824	106	0.882	142	0.432	178	0.626	214	0.992	250	0.516	286	0.477	322	0.969
35	0.424	71	0.839	107	0.868	143	0.429	179	0.643	215	0.987	251	0.506	287	0.486	323	0.976

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AZIMUTH PATTERN Vertical Polarization

Proposal No. **C-70150-1**
 Date **13-Feb-17**
 Call Letters **WMYA 35**
 Frequency **599 MHz**
 Antenna Type **TFU-28GTH/VP-R 6T200**

Gain **1.16 (0.65dB)**
 Calculated



Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.331	36	0.419	72	0.420	108	0.335	144	0.402	180	0.419	216	0.370	252	0.363	288	0.419
1	0.333	37	0.419	73	0.419	109	0.333	145	0.404	181	0.419	217	0.366	253	0.366	289	0.419
2	0.335	38	0.420	74	0.419	110	0.331	146	0.406	182	0.419	218	0.363	254	0.370	290	0.419
3	0.337	39	0.420	75	0.418	111	0.330	147	0.408	183	0.420	219	0.359	255	0.373	291	0.419
4	0.339	40	0.420	76	0.418	112	0.329	148	0.410	184	0.420	220	0.356	256	0.377	292	0.419
5	0.341	41	0.420	77	0.417	113	0.328	149	0.412	185	0.420	221	0.353	257	0.380	293	0.419
6	0.344	42	0.420	78	0.416	114	0.328	150	0.413	186	0.420	222	0.350	258	0.384	294	0.419
7	0.347	43	0.420	79	0.415	115	0.328	151	0.415	187	0.420	223	0.347	259	0.387	295	0.419
8	0.350	44	0.420	80	0.413	116	0.328	152	0.416	188	0.420	224	0.344	260	0.390	296	0.419
9	0.353	45	0.420	81	0.412	117	0.328	153	0.417	189	0.420	225	0.341	261	0.393	297	0.419
10	0.356	46	0.420	82	0.410	118	0.329	154	0.418	190	0.420	226	0.339	262	0.396	298	0.419
11	0.359	47	0.420	83	0.408	119	0.330	155	0.418	191	0.420	227	0.337	263	0.399	299	0.419
12	0.363	48	0.419	84	0.406	120	0.331	156	0.419	192	0.420	228	0.335	264	0.402	300	0.419
13	0.366	49	0.419	85	0.404	121	0.333	157	0.419	193	0.419	229	0.333	265	0.404	301	0.419
14	0.370	50	0.419	86	0.402	122	0.335	158	0.420	194	0.419	230	0.331	266	0.406	302	0.419
15	0.373	51	0.419	87	0.399	123	0.337	159	0.420	195	0.418	231	0.330	267	0.408	303	0.420
16	0.377	52	0.419	88	0.396	124	0.339	160	0.420	196	0.418	232	0.329	268	0.410	304	0.420
17	0.380	53	0.419	89	0.393	125	0.341	161	0.420	197	0.417	233	0.328	269	0.412	305	0.420
18	0.384	54	0.419	90	0.390	126	0.344	162	0.420	198	0.416	234	0.328	270	0.413	306	0.420
19	0.387	55	0.419	91	0.387	127	0.347	163	0.420	199	0.415	235	0.328	271	0.415	307	0.420
20	0.390	56	0.419	92	0.384	128	0.350	164	0.420	200	0.413	236	0.328	272	0.416	308	0.420
21	0.393	57	0.419	93	0.380	129	0.353	165	0.420	201	0.412	237	0.328	273	0.417	309	0.420
22	0.396	58	0.419	94	0.377	130	0.356	166	0.420	202	0.410	238	0.329	274	0.418	310	0.420
23	0.399	59	0.419	95	0.373	131	0.359	167	0.420	203	0.408	239	0.330	275	0.418	311	0.420
24	0.402	60	0.419	96	0.370	132	0.363	168	0.419	204	0.406	240	0.331	276	0.419	312	0.420
25	0.404	61	0.419	97	0.366	133	0.366	169	0.419	205	0.404	241	0.333	277	0.419	313	0.419
26	0.406	62	0.419	98	0.363	134	0.370	170	0.419	206	0.402	242	0.335	278	0.420	314	0.419
27	0.408	63	0.420	99	0.359	135	0.373	171	0.419	207	0.399	243	0.337	279	0.420	315	0.418
28	0.410	64	0.420	100	0.356	136	0.377	172	0.419	208	0.396	244	0.339	280	0.420	316	0.418
29	0.412	65	0.420	101	0.353	137	0.380	173	0.419	209	0.393	245	0.341	281	0.420	317	0.417
30	0.413	66	0.420	102	0.350	138	0.384	174	0.419	210	0.390	246	0.344	282	0.420	318	0.416
31	0.415	67	0.420	103	0.347	139	0.387	175	0.419	211	0.387	247	0.347	283	0.420	319	0.415
32	0.416	68	0.420	104	0.344	140	0.390	176	0.419	212	0.384	248	0.350	284	0.420	320	0.413
33	0.417	69	0.420	105	0.341	141	0.393	177	0.419	213	0.380	249	0.353	285	0.420	321	0.412
34	0.418	70	0.420	106	0.339	142	0.396	178	0.419	214	0.377	250	0.356	286	0.420	322	0.410
35	0.418	71	0.420	107	0.337	143	0.399	179	0.419	215	0.373	251	0.359	287	0.420	323	0.408

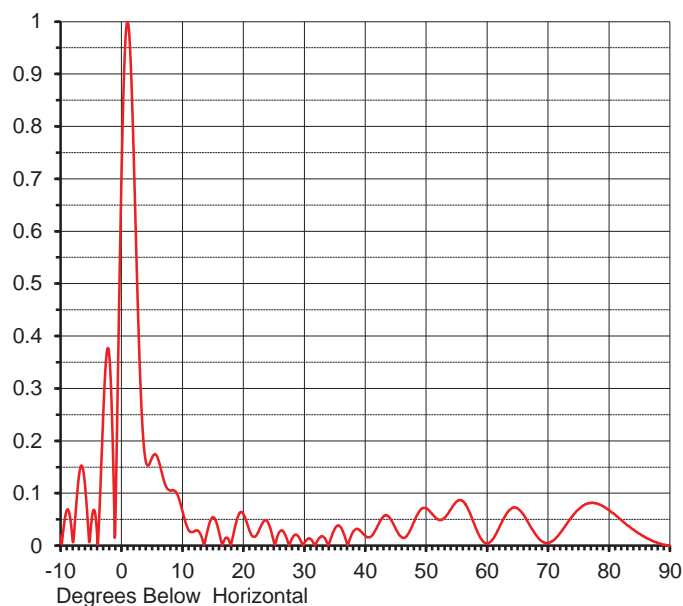
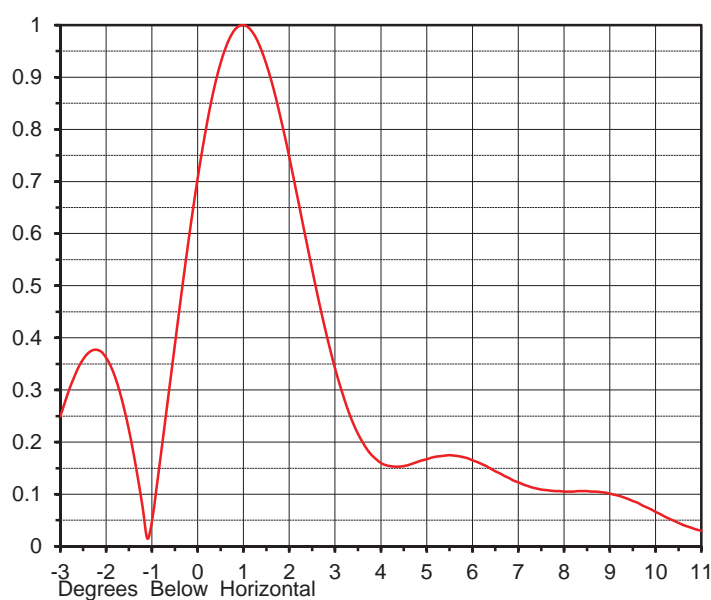
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ELEVATION PATTERN

Proposal No. **C-70150-1**
 Date **13-Feb-17**
 Call Letters **WMYA 35**
 Frequency **599 MHz**
 Antenna Type **TFU-28GTH/VP-R 6T200**

RMS Directivity at Main Lobe **23.00 (13.62 dB)**
 RMS Directivity at Horizontal **11.50 (10.61 dB)**
Calculated

Beam Tilt **1.00 deg**
 Drawing Number **28G230100**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.019	10.0	0.066	30.0	0.005	50.0	0.071	70.0	0.005
-9.0	0.067	11.0	0.030	31.0	0.013	51.0	0.060	71.0	0.011
-8.0	0.007	12.0	0.028	32.0	0.006	52.0	0.050	72.0	0.024
-7.0	0.131	13.0	0.021	33.0	0.018	53.0	0.053	73.0	0.040
-6.0	0.117	14.0	0.023	34.0	0.002	54.0	0.069	74.0	0.056
-5.0	0.037	15.0	0.054	35.0	0.032	55.0	0.084	75.0	0.069
-4.0	0.021	16.0	0.026	36.0	0.035	56.0	0.085	76.0	0.078
-3.0	0.249	17.0	0.013	37.0	0.004	57.0	0.067	77.0	0.081
-2.0	0.362	18.0	0.003	38.0	0.026	58.0	0.038	78.0	0.080
-1.0	0.047	19.0	0.052	39.0	0.030	59.0	0.013	79.0	0.075
0.0	0.706	20.0	0.061	40.0	0.019	60.0	0.004	80.0	0.068
1.0	1.000	21.0	0.029	41.0	0.018	61.0	0.013	81.0	0.059
2.0	0.747	22.0	0.018	42.0	0.037	62.0	0.035	82.0	0.049
3.0	0.341	23.0	0.040	43.0	0.056	63.0	0.057	83.0	0.039
4.0	0.160	24.0	0.045	44.0	0.053	64.0	0.071	84.0	0.031
5.0	0.167	25.0	0.007	45.0	0.032	65.0	0.071	85.0	0.023
6.0	0.165	26.0	0.027	46.0	0.016	66.0	0.059	86.0	0.016
7.0	0.123	27.0	0.017	47.0	0.022	67.0	0.039	87.0	0.010
8.0	0.105	28.0	0.014	48.0	0.045	68.0	0.021	88.0	0.005
9.0	0.101	29.0	0.018	49.0	0.067	69.0	0.008	89.0	0.002
								90.0	0.000

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