

## AZIMUTH PATTERN Horizontal Polarization

Proposal No. **C-71352**  
 Date **17-Jun-19**  
 Call Letters **WDJT Aux**  
 Channel **46**  
 Frequency **665 MHz**  
 Antenna Type **TFU-8WB-R C160**  
 Gain **1.64 (2.16dB)**  
 Calculated

Pattern Number

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.844	36	0.602	72	0.395	108	0.393	144	0.601	180	0.844	216	0.999	252	0.905	288	0.903
1	0.840	37	0.587	73	0.411	109	0.376	145	0.615	181	0.848	217	0.998	253	0.906	289	0.902
2	0.836	38	0.571	74	0.428	110	0.359	146	0.629	182	0.854	218	0.996	254	0.907	290	0.902
3	0.831	39	0.554	75	0.444	111	0.342	147	0.642	183	0.859	219	0.994	255	0.909	291	0.901
4	0.827	40	0.538	76	0.459	112	0.325	148	0.655	184	0.864	220	0.992	256	0.910	292	0.901
5	0.823	41	0.520	77	0.473	113	0.309	149	0.666	185	0.870	221	0.989	257	0.912	293	0.901
6	0.819	42	0.502	78	0.487	114	0.294	150	0.678	186	0.876	222	0.986	258	0.914	294	0.902
7	0.816	43	0.484	79	0.500	115	0.280	151	0.688	187	0.882	223	0.982	259	0.915	295	0.903
8	0.812	44	0.465	80	0.512	116	0.268	152	0.698	188	0.888	224	0.979	260	0.917	296	0.904
9	0.808	45	0.447	81	0.523	117	0.257	153	0.708	189	0.894	225	0.975	261	0.919	297	0.905
10	0.805	46	0.427	82	0.533	118	0.249	154	0.716	190	0.900	226	0.971	262	0.920	298	0.907
11	0.801	47	0.408	83	0.542	119	0.244	155	0.725	191	0.906	227	0.966	263	0.922	299	0.910
12	0.797	48	0.389	84	0.550	120	0.241	156	0.732	192	0.913	228	0.962	264	0.923	300	0.912
13	0.793	49	0.370	85	0.556	121	0.241	157	0.740	193	0.919	229	0.958	265	0.924	301	0.915
14	0.789	50	0.352	86	0.562	122	0.245	158	0.746	194	0.925	230	0.953	266	0.925	302	0.918
15	0.785	51	0.334	87	0.566	123	0.251	159	0.753	195	0.931	231	0.948	267	0.926	303	0.922
16	0.781	52	0.316	88	0.569	124	0.260	160	0.758	196	0.938	232	0.944	268	0.927	304	0.926
17	0.776	53	0.300	89	0.571	125	0.271	161	0.764	197	0.944	233	0.939	269	0.927	305	0.930
18	0.771	54	0.285	90	0.571	126	0.284	162	0.769	198	0.949	234	0.935	270	0.927	306	0.934
19	0.766	55	0.272	91	0.571	127	0.299	163	0.774	199	0.955	235	0.931	271	0.927	307	0.938
20	0.761	56	0.261	92	0.569	128	0.316	164	0.778	200	0.960	236	0.927	272	0.926	308	0.943
21	0.755	57	0.252	93	0.566	129	0.333	165	0.783	201	0.966	237	0.923	273	0.926	309	0.947
22	0.748	58	0.246	94	0.561	130	0.351	166	0.787	202	0.970	238	0.920	274	0.925	310	0.952
23	0.742	59	0.243	95	0.556	131	0.370	167	0.791	203	0.975	239	0.916	275	0.924	311	0.956
24	0.734	60	0.242	96	0.549	132	0.388	168	0.795	204	0.979	240	0.913	276	0.923	312	0.960
25	0.727	61	0.245	97	0.541	133	0.408	169	0.799	205	0.983	241	0.911	277	0.921	313	0.965
26	0.718	62	0.251	98	0.532	134	0.427	170	0.802	206	0.987	242	0.909	278	0.920	314	0.969
27	0.709	63	0.259	99	0.522	135	0.446	171	0.806	207	0.990	243	0.907	279	0.918	315	0.973
28	0.700	64	0.270	100	0.511	136	0.465	172	0.810	208	0.993	244	0.905	280	0.916	316	0.977
29	0.690	65	0.282	101	0.499	137	0.483	173	0.814	209	0.995	245	0.904	281	0.915	317	0.980
30	0.679	66	0.296	102	0.485	138	0.502	174	0.818	210	0.997	246	0.903	282	0.913	318	0.983
31	0.668	67	0.311	103	0.472	139	0.519	175	0.822	211	0.998	247	0.902	283	0.911	319	0.986
32	0.656	68	0.327	104	0.457	140	0.537	176	0.826	212	0.999	248	0.902	284	0.909	320	0.989
33	0.643	69	0.344	105	0.442	141	0.554	177	0.830	213	1.000	249	0.902	285	0.907	321	0.991
34	0.630	70	0.361	106	0.426	142	0.570	178	0.834	214	1.000	250	0.903	286	0.906	322	0.993
35	0.616	71	0.378	107	0.409	143	0.585	179	0.839	215	1.000	251	0.904	287	0.905	323	0.995

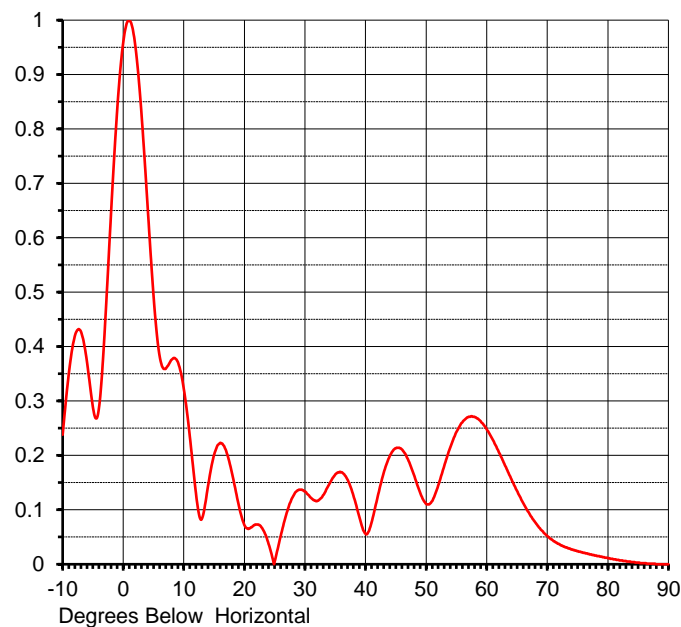
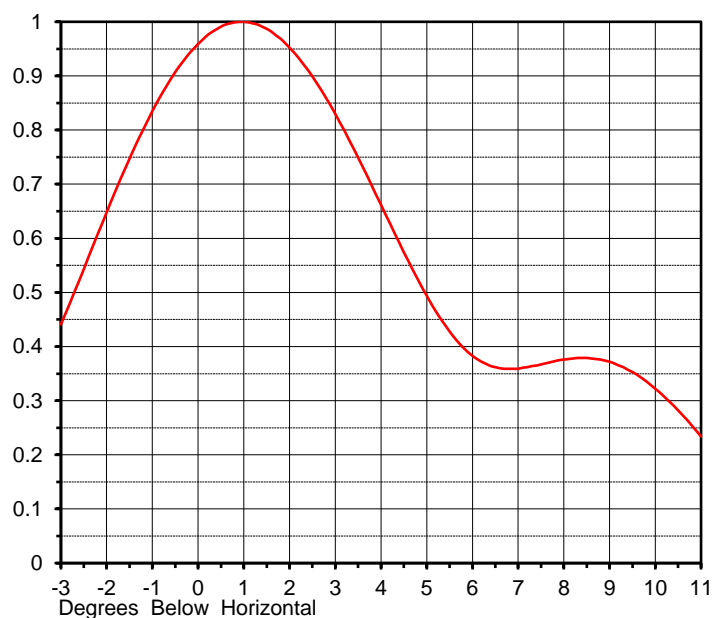
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## ELEVATION PATTERN

Proposal No. **C-71352**  
 Date **17-Jun-19**  
 Call Letters **WDJT Aux**  
 Channel **46**  
 Frequency **665 MHz**  
 Antenna Type **TFU-8WB-R C160**

RMS Directivity at Main Lobe **7.5 ( 8.75 dB )**  
 RMS Directivity at Horizontal **6.9 ( 8.39 dB )**  
**Calculated**

Beam Tilt **1.05 deg**  
 Pattern Number **08W075105**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.238	10.0	0.322	30.0	0.134	50.0	0.111	70.0	0.052
-9.0	0.349	11.0	0.234	31.0	0.122	51.0	0.116	71.0	0.043
-8.0	0.419	12.0	0.131	32.0	0.116	52.0	0.145	72.0	0.037
-7.0	0.428	13.0	0.084	33.0	0.127	53.0	0.181	73.0	0.031
-6.0	0.373	14.0	0.144	34.0	0.147	54.0	0.215	74.0	0.027
-5.0	0.288	15.0	0.201	35.0	0.165	55.0	0.243	75.0	0.024
-4.0	0.288	16.0	0.223	36.0	0.169	56.0	0.261	76.0	0.021
-3.0	0.441	17.0	0.208	37.0	0.156	57.0	0.271	77.0	0.018
-2.0	0.648	18.0	0.165	38.0	0.126	58.0	0.271	78.0	0.016
-1.0	0.835	19.0	0.112	39.0	0.086	59.0	0.263	79.0	0.014
0.0	0.959	20.0	0.072	40.0	0.056	60.0	0.248	80.0	0.011
1.0	1.000	21.0	0.067	41.0	0.077	61.0	0.229	81.0	0.009
2.0	0.952	22.0	0.073	42.0	0.124	62.0	0.206	82.0	0.007
3.0	0.830	23.0	0.065	43.0	0.168	63.0	0.182	83.0	0.006
4.0	0.662	24.0	0.037	44.0	0.199	64.0	0.158	84.0	0.004
5.0	0.494	25.0	0.005	45.0	0.213	65.0	0.135	85.0	0.003
6.0	0.383	26.0	0.052	46.0	0.211	66.0	0.113	86.0	0.002
7.0	0.359	27.0	0.095	47.0	0.193	67.0	0.094	87.0	0.001
8.0	0.376	28.0	0.124	48.0	0.164	68.0	0.077	88.0	0.000
9.0	0.372	29.0	0.137	49.0	0.132	69.0	0.063	89.0	0.000
								90.0	0.000

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