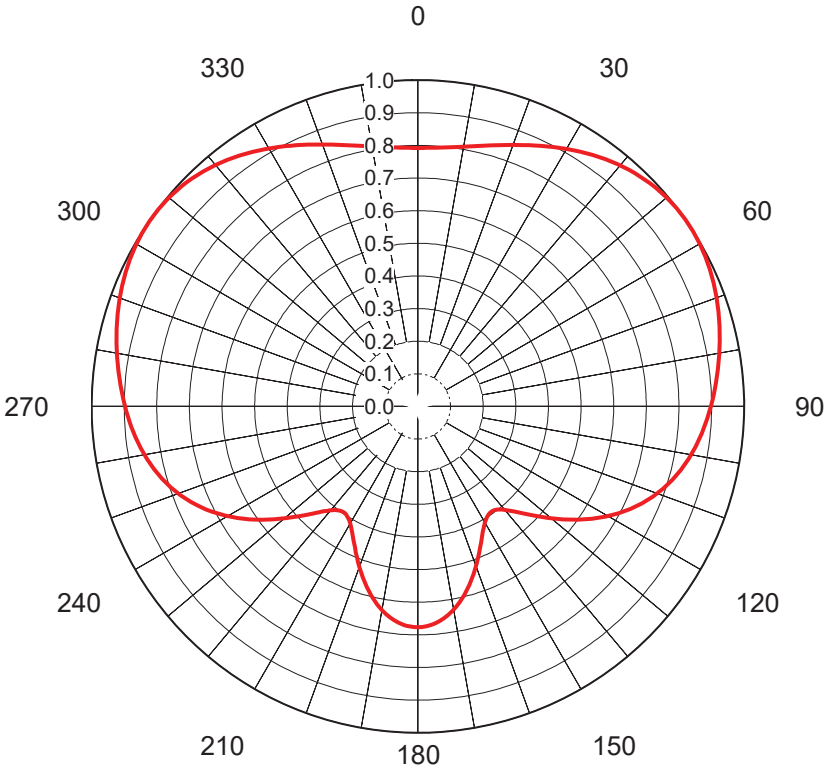
Dielectric®



AZIMUTH PATTERN
Horizontal Polarization

Proposal No.	**C-06478**
Date	**6-Dec-16**
Call Letters	**25 DTV**
Frequency	**539 MHz**
Antenna Type	**TFU-8WB-1-R C160**
Gain	**1.58 (1.99dB) Calculated**
Directional Drawing #	**WB-C160H**

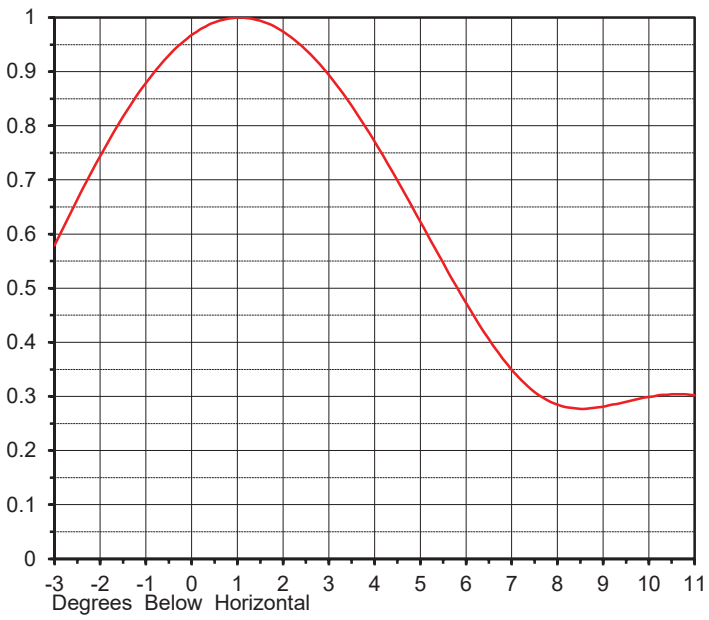
Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.792	36	0.945	72	0.968	108	0.797	144	0.394	180	0.677	216	0.397	252	0.798	288	0.966	324	0.946
1	0.792	37	0.950	73	0.964	109	0.789	145	0.393	181	0.676	217	0.400	253	0.805	289	0.969	325	0.941
2	0.793	38	0.955	74	0.961	110	0.780	146	0.394	182	0.675	218	0.403	254	0.813	290	0.972	326	0.936
3	0.794	39	0.960	75	0.957	111	0.771	147	0.396	183	0.673	219	0.409	255	0.820	291	0.975	327	0.930
4	0.795	40	0.964	76	0.953	112	0.762	148	0.400	184	0.670	220	0.416	256	0.827	292	0.978	328	0.925
5	0.796	41	0.969	77	0.950	113	0.752	149	0.405	185	0.666	221	0.424	257	0.833	293	0.981	329	0.919
6	0.798	42	0.973	78	0.946	114	0.742	150	0.411	186	0.661	222	0.433	258	0.839	294	0.984	330	0.913
7	0.800	43	0.976	79	0.942	115	0.731	151	0.419	187	0.655	223	0.443	259	0.845	295	0.986	331	0.907
8	0.803	44	0.980	80	0.938	116	0.720	152	0.427	188	0.649	224	0.454	260	0.851	296	0.989	332	0.901
9	0.805	45	0.983	81	0.934	117	0.709	153	0.437	189	0.642	225	0.466	261	0.856	297	0.991	333	0.895
10	0.809	46	0.986	82	0.930	118	0.697	154	0.448	190	0.634	226	0.479	262	0.862	298	0.993	334	0.889
11	0.812	47	0.989	83	0.926	119	0.685	155	0.459	191	0.625	227	0.492	263	0.867	299	0.994	335	0.883
12	0.815	48	0.991	84	0.922	120	0.672	156	0.471	192	0.616	228	0.506	264	0.871	300	0.996	336	0.877
13	0.819	49	0.994	85	0.918	121	0.659	157	0.483	193	0.606	229	0.519	265	0.876	301	0.997	337	0.871
14	0.824	50	0.995	86	0.914	122	0.646	158	0.495	194	0.595	230	0.534	266	0.881	302	0.998	338	0.865
15	0.828	51	0.997	87	0.910	123	0.633	159	0.508	195	0.584	231	0.548	267	0.885	303	0.999	339	0.860
16	0.832	52	0.998	88	0.906	124	0.619	160	0.521	196	0.573	232	0.562	268	0.889	304	0.999	340	0.854
17	0.837	53	0.999	89	0.902	125	0.605	161	0.533	197	0.561	233	0.577	269	0.894	305	0.999	341	0.849
18	0.842	54	1.000	90	0.898	126	0.590	162	0.546	198	0.548	234	0.591	270	0.898	306	0.999	342	0.844
19	0.848	55	1.000	91	0.894	127	0.576	163	0.558	199	0.536	235	0.605	271	0.902	307	0.999	343	0.838
20	0.853	56	1.000	92	0.890	128	0.562	164	0.570	200	0.523	236	0.619	272	0.906	308	0.998	344	0.834
21	0.858	57	1.000	93	0.885	129	0.547	165	0.582	201	0.511	237	0.633	273	0.910	309	0.997	345	0.829
22	0.864	58	0.999	94	0.881	130	0.533	166	0.593	202	0.498	238	0.647	274	0.914	310	0.995	346	0.824
23	0.870	59	0.998	95	0.876	131	0.519	167	0.604	203	0.486	239	0.660	275	0.917	311	0.994	347	0.820
24	0.876	60	0.997	96	0.871	132	0.505	168	0.614	204	0.474	240	0.673	276	0.921	312	0.992	348	0.816
25	0.881	61	0.996	97	0.866	133	0.491	169	0.624	205	0.462	241	0.685	277	0.925	313	0.989	349	0.813
26	0.887	62	0.994	98	0.861	134	0.478	170	0.632	206	0.451	242	0.698	278	0.929	314	0.987	350	0.809
27	0.893	63	0.992	99	0.856	135	0.465	171	0.640	207	0.441	243	0.709	279	0.933	315	0.984	351	0.806
28	0.899	64	0.990	100	0.851	136	0.453	172	0.648	208	0.431	244	0.721	280	0.937	316	0.981	352	0.803
29	0.905	65	0.988	101	0.845	137	0.441	173	0.654	209	0.422	245	0.732	281	0.940	317	0.977	353	0.801
30	0.911	66	0.986	102	0.839	138	0.431	174	0.660	210	0.414	246	0.743	282	0.944	318	0.974	354	0.799
31	0.917	67	0.983	103	0.833	139	0.422	175	0.665	211	0.408	247	0.753	283	0.948	319	0.970	355	0.797
32	0.923	68	0.980	104	0.826	140	0.413	176	0.669	212	0.403	248	0.763	284	0.952	320	0.966	356	0.795
33	0.929	69	0.977	105	0.819	141	0.406	177	0.672	213	0.399	249	0.772	285	0.955	321	0.961	357	0.794
34	0.934	70	0.974	106	0.812	142	0.401	178	0.675	214	0.397	250	0.781	286	0.959	322	0.956	358	0.793
35	0.940	71	0.971	107	0.805	143	0.397	179	0.676	215	0.396	251	0.789	287	0.962	323	0.951	359	0.793

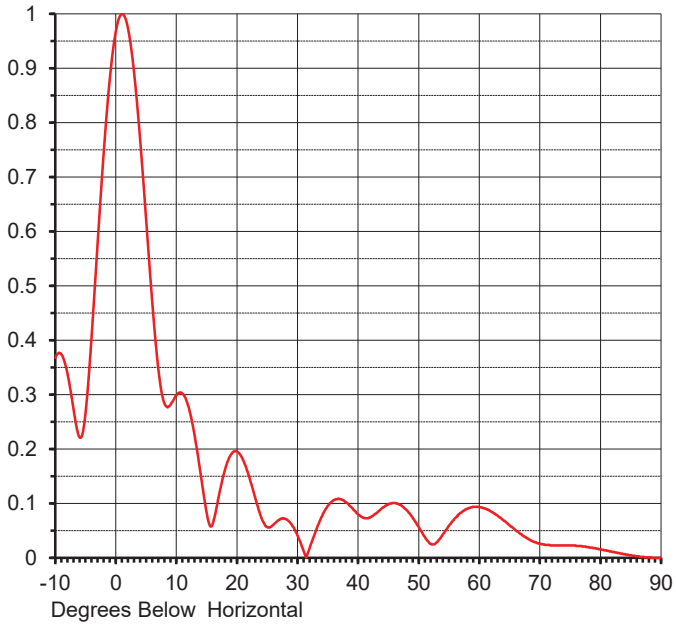
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ELEVATION PATTERN

Proposal No.	**C-06478**
Date	**6-Dec-16**
Call Letters	**25 DTV**
Frequency	**539 MHz**
Antenna Type	**TFU-8WB-1-R C160**

RMS Directivity at Main Lobe	**7.91 (8.98 dB)**	Beam Tilt	**1.05 deg**
RMS Directivity at Horizontal	**7.40 (8.69 dB)**	Drawing Number	**08W079105**
	Calculated		





Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.368	10.0	0.299	30.0	0.041	50.0	0.057	70.0	0.026
-9.0	0.374	11.0	0.302	31.0	0.013	51.0	0.039	71.0	0.024
-8.0	0.340	12.0	0.278	32.0	0.018	52.0	0.026	72.0	0.023
-7.0	0.275	13.0	0.226	33.0	0.049	53.0	0.029	73.0	0.023
-6.0	0.222	14.0	0.155	34.0	0.076	54.0	0.043	74.0	0.023
-5.0	0.266	15.0	0.083	35.0	0.096	55.0	0.059	75.0	0.023
-4.0	0.406	16.0	0.063	36.0	0.106	56.0	0.073	76.0	0.022
-3.0	0.579	17.0	0.113	37.0	0.108	57.0	0.083	77.0	0.021
-2.0	0.744	18.0	0.161	38.0	0.102	58.0	0.090	78.0	0.020
-1.0	0.879	19.0	0.190	39.0	0.092	59.0	0.094	79.0	0.018
0.0	0.968	20.0	0.196	40.0	0.080	60.0	0.094	80.0	0.016
1.0	1.000	21.0	0.180	41.0	0.073	61.0	0.091	81.0	0.014
2.0	0.974	22.0	0.150	42.0	0.075	62.0	0.085	82.0	0.011
3.0	0.894	23.0	0.111	43.0	0.082	63.0	0.078	83.0	0.009
4.0	0.771	24.0	0.075	44.0	0.092	64.0	0.069	84.0	0.007
5.0	0.623	25.0	0.057	45.0	0.099	65.0	0.060	85.0	0.005
6.0	0.473	26.0	0.061	46.0	0.101	66.0	0.051	86.0	0.003
7.0	0.349	27.0	0.070	47.0	0.097	67.0	0.043	87.0	0.002
8.0	0.285	28.0	0.072	48.0	0.088	68.0	0.036	88.0	0.001
9.0	0.281	29.0	0.062	49.0	0.074	69.0	0.030	89.0	0.000
								90.0	0.000

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