

AZIMUTH PATTERN Horizontal Polarization

In Free Space

Proposal No.	C-71380
Date	30-Jul-19
Call Letters	WVEC
Channel	11
Frequency	201 MHz
Antenna Type	TLSV8-BB
Gain	1.79 (2.52dB)
Calculated	

Deg	Value																		
0	0.816	36	0.969	72	0.992	108	0.879	144	0.678	180	0.559	216	0.608	252	0.627	288	0.564	324	0.618
1	0.822	37	0.971	73	0.991	109	0.874	145	0.672	181	0.558	217	0.610	253	0.626	289	0.563	325	0.622
2	0.827	38	0.974	74	0.989	110	0.869	146	0.667	182	0.558	218	0.612	254	0.624	290	0.562	326	0.627
3	0.833	39	0.976	75	0.988	111	0.864	147	0.662	183	0.558	219	0.614	255	0.623	291	0.561	327	0.631
4	0.838	40	0.978	76	0.986	112	0.859	148	0.656	184	0.558	220	0.616	256	0.622	292	0.560	328	0.636
5	0.843	41	0.980	77	0.984	113	0.854	149	0.651	185	0.559	221	0.617	257	0.620	293	0.560	329	0.641
6	0.849	42	0.982	78	0.982	114	0.849	150	0.646	186	0.559	222	0.619	258	0.619	294	0.559	330	0.646
7	0.854	43	0.984	79	0.980	115	0.843	151	0.641	187	0.560	223	0.620	259	0.617	295	0.559	331	0.651
8	0.859	44	0.986	80	0.978	116	0.838	152	0.636	188	0.560	224	0.622	260	0.616	296	0.558	332	0.656
9	0.864	45	0.988	81	0.976	117	0.833	153	0.631	189	0.561	225	0.623	261	0.614	297	0.558	333	0.662
10	0.869	46	0.989	82	0.974	118	0.827	154	0.627	190	0.562	226	0.624	262	0.612	298	0.558	334	0.667
11	0.874	47	0.991	83	0.971	119	0.822	155	0.622	191	0.563	227	0.626	263	0.610	299	0.558	335	0.672
12	0.879	48	0.992	84	0.969	120	0.816	156	0.618	192	0.564	228	0.627	264	0.608	300	0.559	336	0.678
13	0.884	49	0.993	85	0.966	121	0.810	157	0.614	193	0.565	229	0.628	265	0.606	301	0.559	337	0.683
14	0.888	50	0.995	86	0.963	122	0.805	158	0.609	194	0.567	230	0.629	266	0.605	302	0.560	338	0.689
15	0.893	51	0.996	87	0.961	123	0.799	159	0.605	195	0.568	231	0.630	267	0.603	303	0.561	339	0.695
16	0.897	52	0.997	88	0.958	124	0.793	160	0.601	196	0.570	232	0.630	268	0.601	304	0.562	340	0.700
17	0.902	53	0.997	89	0.955	125	0.788	161	0.598	197	0.571	233	0.631	269	0.599	305	0.563	341	0.706
18	0.906	54	0.998	90	0.952	126	0.782	162	0.594	198	0.573	234	0.632	270	0.597	306	0.564	342	0.712
19	0.911	55	0.999	91	0.948	127	0.776	163	0.591	199	0.575	235	0.632	271	0.595	307	0.566	343	0.718
20	0.915	56	0.999	92	0.945	128	0.770	164	0.587	200	0.577	236	0.633	272	0.592	308	0.567	344	0.723
21	0.919	57	0.999	93	0.941	129	0.764	165	0.584	201	0.579	237	0.633	273	0.590	309	0.569	345	0.729
22	0.923	58	1.000	94	0.938	130	0.759	166	0.581	202	0.580	238	0.633	274	0.588	310	0.571	346	0.735
23	0.927	59	1.000	95	0.934	131	0.753	167	0.579	203	0.582	239	0.633	275	0.586	311	0.574	347	0.741
24	0.931	60	1.000	96	0.931	132	0.747	168	0.576	204	0.584	240	0.634	276	0.584	312	0.576	348	0.747
25	0.934	61	1.000	97	0.927	133	0.741	169	0.574	205	0.586	241	0.633	277	0.582	313	0.579	349	0.753
26	0.938	62	1.000	98	0.923	134	0.735	170	0.571	206	0.588	242	0.633	278	0.580	314	0.581	350	0.759
27	0.941	63	0.999	99	0.919	135	0.729	171	0.569	207	0.590	243	0.633	279	0.579	315	0.584	351	0.764
28	0.945	64	0.999	100	0.915	136	0.723	172	0.567	208	0.592	244	0.633	280	0.577	316	0.587	352	0.770
29	0.948	65	0.999	101	0.911	137	0.718	173	0.566	209	0.595	245	0.632	281	0.575	317	0.591	353	0.776
30	0.952	66	0.998	102	0.906	138	0.712	174	0.564	210	0.597	246	0.632	282	0.573	318	0.594	354	0.782
31	0.955	67	0.997	103	0.902	139	0.706	175	0.563	211	0.599	247	0.631	283	0.571	319	0.598	355	0.788
32	0.958	68	0.997	104	0.897	140	0.700	176	0.562	212	0.601	248	0.630	284	0.570	320	0.601	356	0.793
33	0.961	69	0.996	105	0.893	141	0.695	177	0.561	213	0.603	249	0.630	285	0.568	321	0.605	357	0.799
34	0.963	70	0.995	106	0.888	142	0.689	178	0.560	214	0.605	250	0.629	286	0.567	322	0.609	358	0.805
35	0.966	71	0.993	107	0.884	143	0.683	179	0.559	215	0.606	251	0.628	287	0.565	323	0.614	359	0.810

This document contains proprietary and confidential information of Dielectric. It is to be used solely for the purpose for which it is provided. No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric.

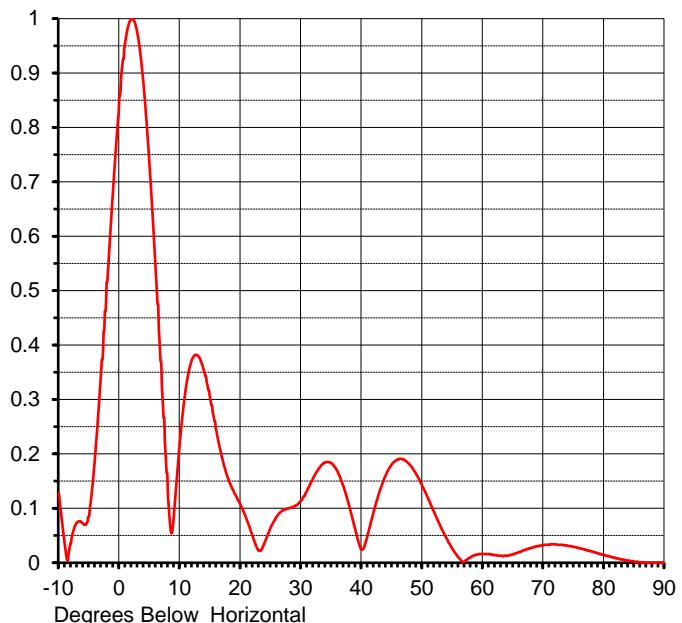
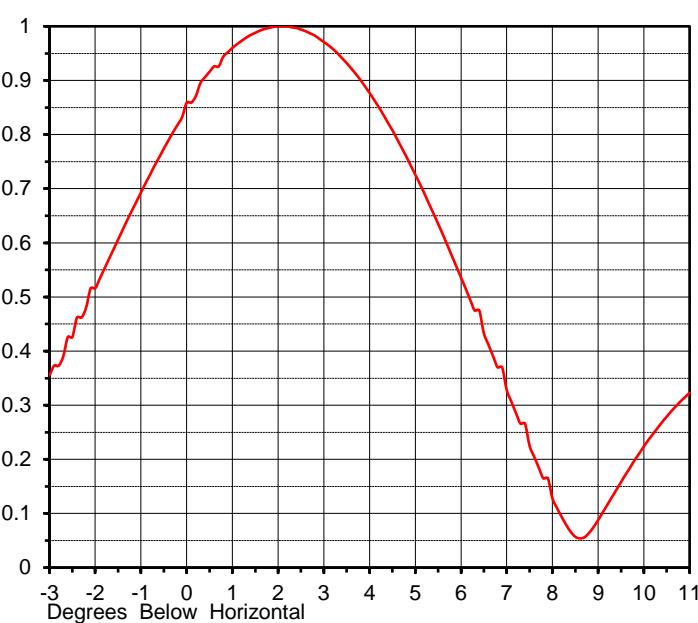
ELEVATION PATTERN

Proposal No. **C-71380**
 Date **30-Jul-19**
 Call Letters **WVEC**
 Channel **11**
 Frequency **201 MHz**
 Antenna Type **TLSV8-BB**

RMS Directivity at Main Lobe
 RMS Directivity at Horizontal

7.6 (8.82 dB)
5.6 (7.48 dB)
Calculated

Beam Tilt **2.10 deg**
 Pattern Number **08T076210**



Angle	Field								
-10.0	0.128	10.0	0.224	30.0	0.115	50.0	0.141	70.0	0.032
-9.0	0.032	11.0	0.323	31.0	0.133	51.0	0.117	71.0	0.033
-8.0	0.035	12.0	0.374	32.0	0.156	52.0	0.092	72.0	0.034
-7.0	0.074	13.0	0.380	33.0	0.174	53.0	0.067	73.0	0.033
-6.0	0.072	14.0	0.351	34.0	0.185	54.0	0.045	74.0	0.031
-5.0	0.085	15.0	0.301	35.0	0.183	55.0	0.025	75.0	0.029
-4.0	0.198	16.0	0.243	36.0	0.168	56.0	0.009	76.0	0.027
-3.0	0.355	17.0	0.191	37.0	0.140	57.0	0.003	77.0	0.024
-2.0	0.516	18.0	0.153	38.0	0.102	58.0	0.010	78.0	0.021
-1.0	0.693	19.0	0.128	39.0	0.058	59.0	0.015	79.0	0.017
0.0	0.859	20.0	0.106	40.0	0.024	60.0	0.016	80.0	0.014
1.0	0.960	21.0	0.080	41.0	0.052	61.0	0.016	81.0	0.011
2.0	1.000	22.0	0.049	42.0	0.095	62.0	0.014	82.0	0.008
3.0	0.971	23.0	0.022	43.0	0.133	63.0	0.013	83.0	0.006
4.0	0.877	24.0	0.038	44.0	0.162	64.0	0.013	84.0	0.004
5.0	0.726	25.0	0.065	45.0	0.181	65.0	0.016	85.0	0.002
6.0	0.536	26.0	0.085	46.0	0.190	66.0	0.020	86.0	0.001
7.0	0.328	27.0	0.096	47.0	0.189	67.0	0.024	87.0	0.000
8.0	0.128	28.0	0.100	48.0	0.179	68.0	0.027	88.0	0.000
9.0	0.088	29.0	0.104	49.0	0.163	69.0	0.030	89.0	0.000
						90.0	0.000		

This document contains proprietary and confidential information of Dielectric. It is to be used solely for the purpose for which it is provided.
 No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric.