

AZIMUTH PATTERN Horizontal Polarization

Proposal No.
Date
Call Letters **WCET**
Channel **34**
Frequency **593 MHz**
Antenna Type **TFU-8WB-R C160**
Gain **1.55 (1.9dB)**
Calculated

Pattern Number **WB-C160-34 Hpol**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.971	36	1.000	72	0.914	108	0.730	144	0.431	180	0.640	216	0.429	252	0.728	288	0.913	324	1.000
1	0.971	37	1.000	73	0.910	109	0.721	145	0.432	181	0.640	217	0.428	253	0.736	289	0.916	325	1.000
2	0.971	38	1.000	74	0.906	110	0.713	146	0.434	182	0.639	218	0.429	254	0.744	290	0.920	326	0.999
3	0.972	39	0.999	75	0.903	111	0.703	147	0.438	183	0.637	219	0.430	255	0.752	291	0.924	327	0.999
4	0.972	40	0.998	76	0.899	112	0.694	148	0.442	184	0.635	220	0.433	256	0.759	292	0.928	328	0.999
5	0.973	41	0.998	77	0.895	113	0.685	149	0.447	185	0.632	221	0.436	257	0.766	293	0.931	329	0.998
6	0.973	42	0.997	78	0.891	114	0.675	150	0.452	186	0.628	222	0.441	258	0.773	294	0.935	330	0.998
7	0.974	43	0.996	79	0.887	115	0.665	151	0.458	187	0.624	223	0.446	259	0.780	295	0.939	331	0.997
8	0.975	44	0.994	80	0.883	116	0.655	152	0.465	188	0.620	224	0.452	260	0.786	296	0.942	332	0.996
9	0.975	45	0.993	81	0.880	117	0.644	153	0.473	189	0.615	225	0.459	261	0.792	297	0.946	333	0.995
10	0.976	46	0.992	82	0.876	118	0.634	154	0.481	190	0.609	226	0.467	262	0.798	298	0.949	334	0.994
11	0.977	47	0.990	83	0.872	119	0.623	155	0.489	191	0.603	227	0.475	263	0.804	299	0.953	335	0.993
12	0.978	48	0.988	84	0.868	120	0.612	156	0.497	192	0.596	228	0.484	264	0.810	300	0.956	336	0.992
13	0.979	49	0.986	85	0.864	121	0.601	157	0.506	193	0.589	229	0.493	265	0.815	301	0.959	337	0.991
14	0.981	50	0.984	86	0.859	122	0.590	158	0.515	194	0.582	230	0.503	266	0.820	302	0.962	338	0.990
15	0.982	51	0.982	87	0.855	123	0.579	159	0.524	195	0.574	231	0.513	267	0.825	303	0.965	339	0.989
16	0.983	52	0.979	88	0.851	124	0.568	160	0.533	196	0.566	232	0.523	268	0.830	304	0.968	340	0.987
17	0.984	53	0.977	89	0.846	125	0.557	161	0.542	197	0.557	233	0.534	269	0.835	305	0.971	341	0.986
18	0.985	54	0.974	90	0.842	126	0.546	162	0.550	198	0.548	234	0.545	270	0.840	306	0.974	342	0.985
19	0.987	55	0.972	91	0.837	127	0.535	163	0.559	199	0.540	235	0.556	271	0.844	307	0.977	343	0.984
20	0.988	56	0.969	92	0.833	128	0.524	164	0.567	200	0.531	236	0.567	272	0.849	308	0.979	344	0.982
21	0.989	57	0.966	93	0.828	129	0.514	165	0.575	201	0.522	237	0.578	273	0.853	309	0.982	345	0.981
22	0.990	58	0.963	94	0.823	130	0.504	166	0.583	202	0.513	238	0.589	274	0.857	310	0.984	346	0.980
23	0.992	59	0.960	95	0.817	131	0.494	167	0.590	203	0.504	239	0.600	275	0.861	311	0.986	347	0.979
24	0.993	60	0.956	96	0.812	132	0.485	168	0.597	204	0.495	240	0.611	276	0.866	312	0.988	348	0.978
25	0.994	61	0.953	97	0.806	133	0.476	169	0.604	205	0.487	241	0.622	277	0.870	313	0.990	349	0.977
26	0.995	62	0.950	98	0.801	134	0.468	170	0.610	206	0.478	242	0.632	278	0.874	314	0.991	350	0.976
27	0.996	63	0.946	99	0.795	135	0.460	171	0.616	207	0.471	243	0.643	279	0.878	315	0.993	351	0.975
28	0.997	64	0.943	100	0.788	136	0.454	172	0.621	208	0.463	244	0.653	280	0.882	316	0.994	352	0.974
29	0.998	65	0.939	101	0.782	137	0.448	173	0.625	209	0.456	245	0.663	281	0.886	317	0.995	353	0.974
30	0.998	66	0.936	102	0.775	138	0.442	174	0.629	210	0.450	246	0.673	282	0.890	318	0.997	354	0.973
31	0.999	67	0.932	103	0.768	139	0.438	175	0.632	211	0.444	247	0.683	283	0.893	319	0.997	355	0.972
32	0.999	68	0.929	104	0.761	140	0.435	176	0.635	212	0.439	248	0.693	284	0.897	320	0.998	356	0.972
33	1.000	69	0.925	105	0.754	141	0.432	177	0.637	213	0.435	249	0.702	285	0.901	321	0.999	357	0.972
34	1.000	70	0.921	106	0.746	142	0.431	178	0.639	214	0.432	250	0.711	286	0.905	322	0.999	358	0.971
35	1.000	71	0.917	107	0.738	143	0.430	179	0.640	215	0.430	251	0.719	287	0.909	323	0.999	359	0.971

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ELEVATION PATTERN

Proposal No.

Date

Call Letters **WCET**

Channel **34**

Frequency **593 MHz**

Antenna Type **TFU-8WB-R C160**

RMS Directivity at Main Lobe

7.4 (8.69 dB)

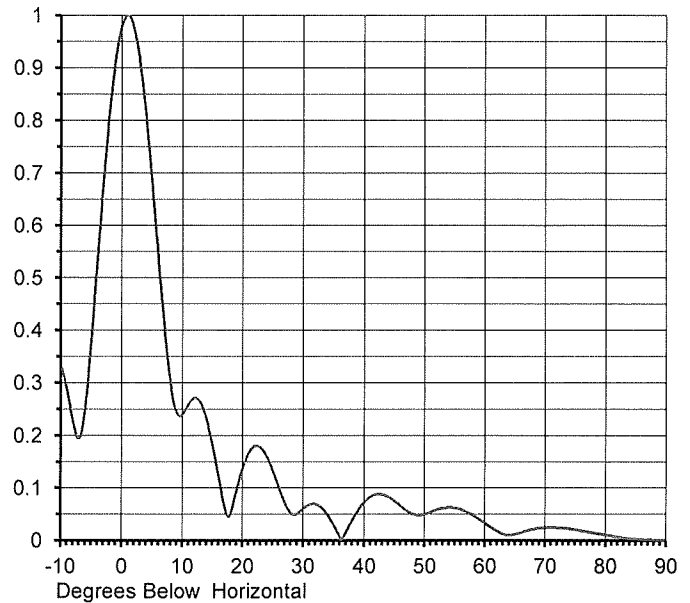
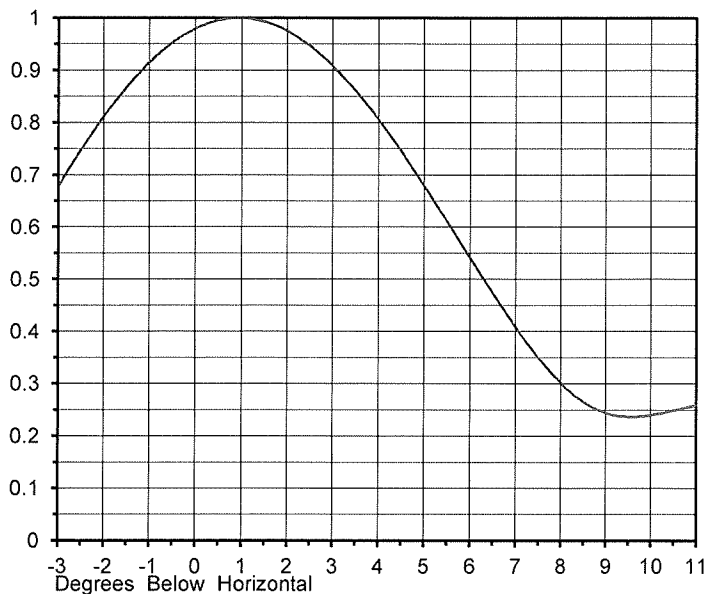
RMS Directivity at Horizontal

7.1 (8.51 dB)

Calculated

Beam Tilt **1.05 deg**

Pattern Number **08W074105-34**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.334	10.0	0.240	30.0	0.060	50.0	0.050	70.0	0.024
-9.0	0.290	11.0	0.259	31.0	0.068	51.0	0.054	71.0	0.025
-8.0	0.230	12.0	0.271	32.0	0.069	52.0	0.058	72.0	0.024
-7.0	0.195	13.0	0.263	33.0	0.063	53.0	0.061	73.0	0.024
-6.0	0.248	14.0	0.233	34.0	0.049	54.0	0.063	74.0	0.022
-5.0	0.375	15.0	0.184	35.0	0.030	55.0	0.062	75.0	0.021
-4.0	0.527	16.0	0.124	36.0	0.008	56.0	0.059	76.0	0.019
-3.0	0.678	17.0	0.065	37.0	0.015	57.0	0.054	77.0	0.017
-2.0	0.812	18.0	0.050	38.0	0.038	58.0	0.048	78.0	0.015
-1.0	0.915	19.0	0.093	39.0	0.057	59.0	0.041	79.0	0.012
0.0	0.980	20.0	0.137	40.0	0.072	60.0	0.033	80.0	0.010
1.0	1.000	21.0	0.166	41.0	0.083	61.0	0.025	81.0	0.009
2.0	0.975	22.0	0.180	42.0	0.088	62.0	0.018	82.0	0.007
3.0	0.908	23.0	0.177	43.0	0.087	63.0	0.012	83.0	0.005
4.0	0.806	24.0	0.161	44.0	0.083	64.0	0.010	84.0	0.004
5.0	0.679	25.0	0.134	45.0	0.075	65.0	0.012	85.0	0.003
6.0	0.541	26.0	0.103	46.0	0.066	66.0	0.015	86.0	0.002
7.0	0.408	27.0	0.072	47.0	0.057	67.0	0.019	87.0	0.001
8.0	0.302	28.0	0.052	48.0	0.050	68.0	0.021	88.0	0.000
9.0	0.244	29.0	0.051	49.0	0.048	69.0	0.023	89.0	0.000
								90.0	0.000

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