

Horizontal Polarization AZIMUTH PATTERN

Exhibit No.

Date

18 Apr 2018

Call Letters

W26BF to CH17

Channel

17

Antenna Type

TLP-8TLP

Location

Elmira, NY

Customer

Gain

1.7 (2.30 dB)

Calculated

Drawing #

TLP-B

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.579	36	0.734	72	0.923	108	0.999	144	0.942	180	0.771	216	0.594	252	0.590	288	0.645	324	0.605
1	0.581	37	0.740	73	0.927	109	1.000	145	0.939	181	0.765	217	0.591	253	0.592	289	0.645	325	0.602
2	0.584	38	0.747	74	0.930	110	1.000	146	0.935	182	0.759	218	0.589	254	0.594	290	0.645	326	0.600
3	0.587	39	0.753	75	0.934	111	1.000	147	0.932	183	0.754	219	0.586	255	0.596	291	0.645	327	0.598
4	0.590	40	0.759	76	0.938	112	0.999	148	0.928	184	0.748	220	0.583	256	0.598	292	0.645	328	0.596
5	0.593	41	0.765	77	0.941	113	0.999	149	0.924	185	0.742	221	0.581	257	0.600	293	0.645	329	0.594
6	0.596	42	0.771	78	0.944	114	0.999	150	0.920	186	0.737	222	0.579	258	0.603	294	0.645	330	0.592
7	0.600	43	0.777	79	0.948	115	0.998	151	0.916	187	0.731	223	0.577	259	0.605	295	0.644	331	0.590
8	0.603	44	0.783	80	0.951	116	0.998	152	0.912	188	0.726	224	0.575	260	0.607	296	0.644	332	0.589
9	0.607	45	0.789	81	0.954	117	0.998	153	0.908	189	0.720	225	0.574	261	0.609	297	0.643	333	0.587
10	0.610	46	0.795	82	0.956	118	0.997	154	0.904	190	0.714	226	0.573	262	0.611	298	0.643	334	0.586
11	0.614	47	0.801	83	0.959	119	0.996	155	0.899	191	0.709	227	0.571	263	0.614	299	0.642	335	0.584
12	0.618	48	0.806	84	0.962	120	0.996	156	0.895	192	0.703	228	0.570	264	0.616	300	0.641	336	0.583
13	0.622	49	0.812	85	0.964	121	0.995	157	0.890	193	0.698	229	0.569	265	0.618	301	0.640	337	0.582
14	0.625	50	0.817	86	0.966	122	0.994	158	0.886	194	0.692	230	0.569	266	0.619	302	0.640	338	0.581
15	0.629	51	0.823	87	0.968	123	0.993	159	0.881	195	0.687	231	0.568	267	0.621	303	0.639	339	0.580
16	0.633	52	0.828	88	0.971	124	0.992	160	0.876	196	0.682	232	0.568	268	0.623	304	0.638	340	0.579
17	0.637	53	0.834	89	0.973	125	0.990	161	0.872	197	0.676	233	0.568	269	0.625	305	0.637	341	0.578
18	0.641	54	0.839	90	0.975	126	0.989	162	0.867	198	0.671	234	0.568	270	0.627	306	0.636	342	0.577
19	0.646	55	0.844	91	0.977	127	0.987	163	0.862	199	0.666	235	0.568	271	0.628	307	0.634	343	0.576
20	0.650	56	0.849	92	0.979	128	0.985	164	0.857	200	0.661	236	0.568	272	0.630	308	0.633	344	0.575
21	0.654	57	0.854	93	0.980	129	0.983	165	0.852	201	0.656	237	0.569	273	0.632	309	0.632	345	0.574
22	0.659	58	0.859	94	0.982	130	0.981	166	0.847	202	0.651	238	0.569	274	0.633	310	0.631	346	0.573
23	0.663	59	0.864	95	0.984	131	0.979	167	0.842	203	0.646	239	0.570	275	0.634	311	0.629	347	0.572
24	0.668	60	0.869	96	0.986	132	0.977	168	0.836	204	0.641	240	0.571	276	0.636	312	0.628	348	0.572
25	0.673	61	0.874	97	0.988	133	0.975	169	0.831	205	0.637	241	0.572	277	0.637	313	0.626	349	0.571
26	0.678	62	0.879	98	0.990	134	0.972	170	0.826	206	0.632	242	0.573	278	0.638	314	0.625	350	0.570
27	0.683	63	0.883	99	0.991	135	0.970	171	0.820	207	0.628	243	0.574	279	0.639	315	0.623	351	0.570
28	0.688	64	0.888	100	0.993	136	0.967	172	0.815	208	0.624	244	0.575	280	0.640	316	0.621	352	0.570
29	0.694	65	0.893	101	0.994	137	0.964	173	0.810	209	0.619	245	0.577	281	0.641	317	0.619	353	0.570
30	0.699	66	0.897	102	0.995	138	0.961	174	0.804	210	0.615	246	0.578	282	0.642	318	0.618	354	0.570
31	0.705	67	0.902	103	0.996	139	0.958	175	0.799	211	0.612	247	0.580	283	0.643	319	0.616	355	0.571
32	0.711	68	0.906	104	0.997	140	0.955	176	0.793	212	0.608	248	0.582	284	0.643	320	0.613	356	0.572
33	0.716	69	0.910	105	0.998	141	0.952	177	0.787	213	0.604	249	0.584	285	0.644	321	0.611	357	0.573
34	0.722	70	0.914	106	0.999	142	0.949	178	0.782	214	0.601	250	0.586	286	0.644	322	0.609	358	0.575
35	0.728	71	0.919	107	0.999	143	0.946	179	0.776	215	0.597	251	0.588	287	0.645	323	0.607	359	0.577

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ELEVATION PATTERN

Exhibit No.

Date

18 Apr 2018

Call Letters

W26BF to CH17

Channel

17

Antenna Type

TLP-8TLP

Location

Elmira, NY

Customer

RMS Gain at Main Lobe

8.0 (9.03 dB)

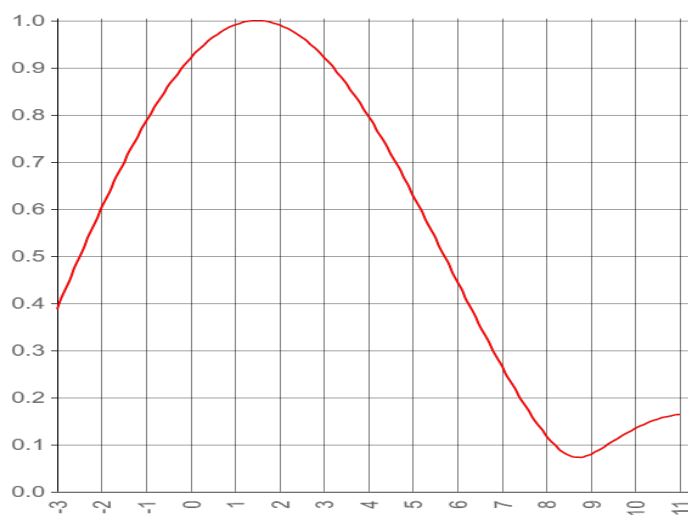
Beam Tilt

1.5 Degrees

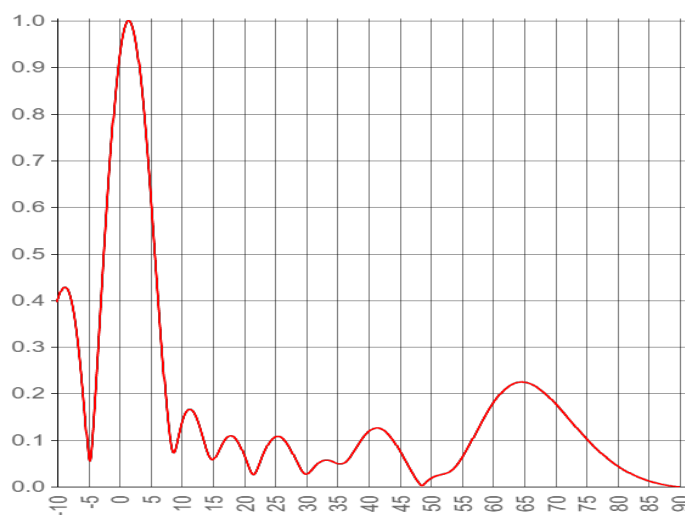
RMS Gain at Horizontal

6.8 (8.32 dB)

Drawing #

08L080150
Calculated


Degrees below horizontal



Degrees below horizontal

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10	0.396	10	0.134	30	0.027	50	0.018	70	0.179
-9	0.427	11	0.164	31	0.037	51	0.024	71	0.164
-8	0.413	12	0.158	32	0.051	52	0.027	72	0.148
-7	0.346	13	0.124	33	0.057	53	0.032	73	0.133
-6	0.225	14	0.080	34	0.055	54	0.044	74	0.118
-5	0.072	15	0.058	35	0.050	55	0.062	75	0.103
-4	0.169	16	0.078	36	0.050	56	0.085	76	0.089
-3	0.387	17	0.102	37	0.063	57	0.109	77	0.077
-2	0.601	18	0.109	38	0.083	58	0.134	78	0.065
-1	0.786	19	0.097	39	0.103	59	0.158	79	0.054
0	0.921	20	0.069	40	0.118	60	0.179	80	0.045
1	0.991	21	0.035	41	0.125	61	0.197	81	0.036
2	0.991	22	0.033	42	0.124	62	0.210	82	0.029
3	0.923	23	0.066	43	0.115	63	0.219	83	0.023
4	0.797	24	0.093	44	0.099	64	0.224	84	0.017
5	0.631	25	0.107	45	0.078	65	0.224	85	0.013
6	0.446	26	0.106	46	0.054	66	0.221	86	0.009
7	0.266	27	0.091	47	0.031	67	0.214	87	0.005
8	0.119	28	0.067	48	0.011	68	0.204	88	0.003
9	0.079	29	0.041	49	0.007	69	0.192	89	0.001

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