Dielectric®

Horizontal Polarization
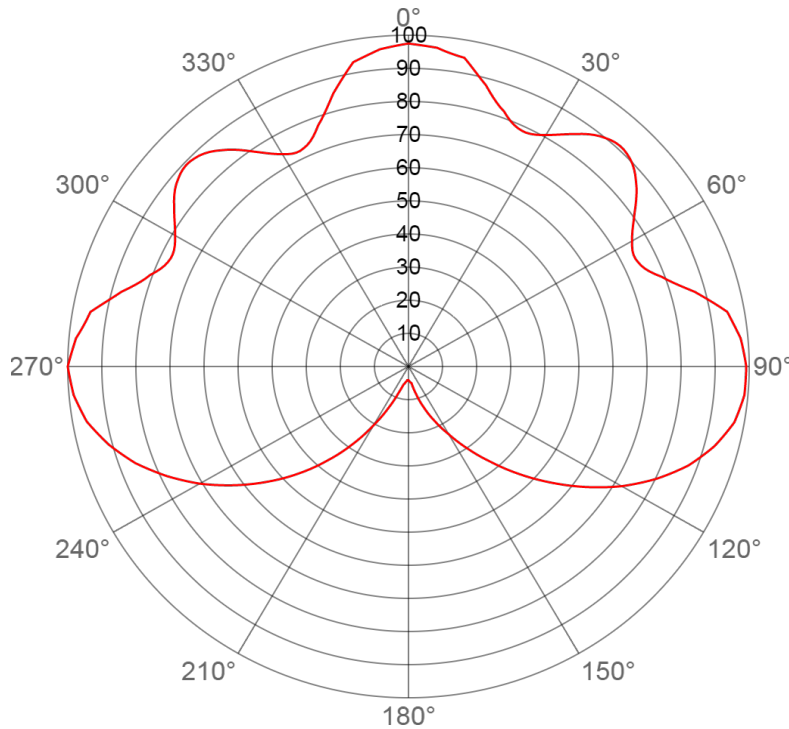## AZIMUTH PATTERN

Exhibit No.	
Date	**27 Sep 2017**
Call Letters	**KXLK-CD**
Channel	**14**
Antenna Type	**TUA-C3-06/18U-T**
Location	**Austin, TX**
Customer	**Radio Spectrum Partners**
Gain	**1.8 (2.55 dB)**
	Calculated
Drawing #	**TUA-C3**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.975	36	0.868	72	0.818	108	0.896	144	0.317	180	0.041	216	0.304	252	0.876	288	0.827	324	0.805
1	0.973	37	0.878	73	0.834	109	0.885	145	0.303	181	0.041	217	0.321	253	0.887	289	0.816	325	0.792
2	0.971	38	0.887	74	0.851	110	0.874	146	0.289	182	0.042	218	0.338	254	0.899	290	0.807	326	0.780
3	0.969	39	0.894	75	0.870	111	0.860	147	0.276	183	0.042	219	0.355	255	0.911	291	0.795	327	0.768
4	0.967	40	0.900	76	0.885	112	0.846	148	0.263	184	0.042	220	0.371	256	0.920	292	0.786	328	0.757
5	0.966	41	0.905	77	0.901	113	0.831	149	0.249	185	0.042	221	0.389	257	0.930	293	0.778	329	0.748
6	0.960	42	0.909	78	0.917	114	0.817	150	0.236	186	0.043	222	0.406	258	0.939	294	0.773	330	0.741
7	0.955	43	0.910	79	0.934	115	0.803	151	0.225	187	0.045	223	0.424	259	0.949	295	0.771	331	0.733
8	0.951	44	0.910	80	0.950	116	0.787	152	0.214	188	0.046	224	0.441	260	0.959	296	0.770	332	0.728
9	0.948	45	0.907	81	0.955	117	0.771	153	0.203	189	0.047	225	0.458	261	0.964	297	0.772	333	0.725
10	0.946	46	0.904	82	0.961	118	0.755	154	0.192	190	0.048	226	0.475	262	0.970	298	0.777	334	0.724
11	0.932	47	0.898	83	0.967	119	0.739	155	0.181	191	0.050	227	0.492	263	0.975	299	0.783	335	0.727
12	0.917	48	0.891	84	0.972	120	0.723	156	0.172	192	0.052	228	0.508	264	0.981	300	0.791	336	0.731
13	0.904	49	0.882	85	0.979	121	0.705	157	0.162	193	0.054	229	0.525	265	0.987	301	0.799	337	0.738
14	0.891	50	0.872	86	0.981	122	0.687	158	0.152	194	0.055	230	0.541	266	0.989	302	0.809	338	0.748
15	0.879	51	0.861	87	0.984	123	0.670	159	0.141	195	0.057	231	0.558	267	0.992	303	0.819	339	0.760
16	0.864	52	0.849	88	0.986	124	0.652	160	0.131	196	0.061	232	0.575	268	0.994	304	0.829	340	0.775
17	0.850	53	0.837	89	0.989	125	0.634	161	0.122	197	0.066	233	0.592	269	0.997	305	0.840	341	0.787
18	0.838	54	0.824	90	0.991	126	0.616	162	0.114	198	0.072	234	0.609	270	1.000	306	0.850	342	0.801
19	0.828	55	0.810	91	0.991	127	0.599	163	0.104	199	0.078	235	0.625	271	0.996	307	0.861	343	0.817
20	0.820	56	0.798	92	0.991	128	0.581	164	0.095	200	0.085	236	0.642	272	0.991	308	0.869	344	0.834
21	0.808	57	0.786	93	0.990	129	0.563	165	0.086	201	0.094	237	0.658	273	0.987	309	0.876	345	0.853
22	0.799	58	0.775	94	0.990	130	0.545	166	0.079	202	0.104	238	0.674	274	0.983	310	0.882	346	0.868
23	0.793	59	0.766	95	0.990	131	0.528	167	0.072	203	0.115	239	0.691	275	0.979	311	0.887	347	0.884
24	0.788	60	0.758	96	0.986	132	0.510	168	0.065	204	0.126	240	0.707	276	0.971	312	0.890	348	0.900
25	0.786	61	0.750	97	0.982	133	0.493	169	0.058	205	0.137	241	0.722	277	0.964	313	0.892	349	0.916
26	0.786	62	0.745	98	0.979	134	0.476	170	0.051	206	0.150	242	0.737	278	0.958	314	0.891	350	0.933
27	0.788	63	0.742	99	0.975	135	0.459	171	0.050	207	0.164	243	0.752	279	0.952	315	0.888	351	0.938
28	0.793	64	0.741	100	0.971	136	0.442	172	0.049	208	0.177	244	0.767	280	0.948	316	0.885	352	0.944
29	0.799	65	0.744	101	0.963	137	0.426	173	0.048	209	0.191	245	0.783	281	0.931	317	0.879	353	0.949
30	0.807	66	0.748	102	0.955	138	0.409	174	0.047	210	0.205	246	0.797	282	0.915	318	0.872	354	0.955
31	0.816	67	0.755	103	0.946	139	0.393	175	0.046	211	0.221	247	0.811	283	0.900	319	0.863	355	0.961
32	0.825	68	0.764	104	0.938	140	0.376	176	0.045	212	0.238	248	0.825	284	0.885	320	0.852	356	0.964
33	0.836	69	0.776	105	0.930	141	0.361	177	0.044	213	0.254	249	0.839	285	0.872	321	0.842	357	0.967
34	0.846	70	0.791	106	0.919	142	0.347	178	0.043	214	0.271	250	0.853	286	0.855	322	0.831	358	0.969
35	0.857	71	0.803	107	0.908	143	0.332	179	0.042	215	0.287	251	0.864	287	0.840	323	0.818	359	0.972

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ELEVATION PATTERN

Exhibit No.	
Date	**27 Sep 2017**
Call Letters	**KXLK-CD**
Channel	**14**
Antenna Type	**TUA-C3-06/18U-T**
Location	**Austin, TX**
Customer	**Radio Spectrum Partners**

Future fill is available!

RMS Gain at Main Lobe	**12.1 (10.81 dB)**	Beam Tilt	**1.5 Degrees**
RMS Gain at Horizontal	**9.2 (9.62 dB)**	Drawing #	**06U121150**
	Calculated		
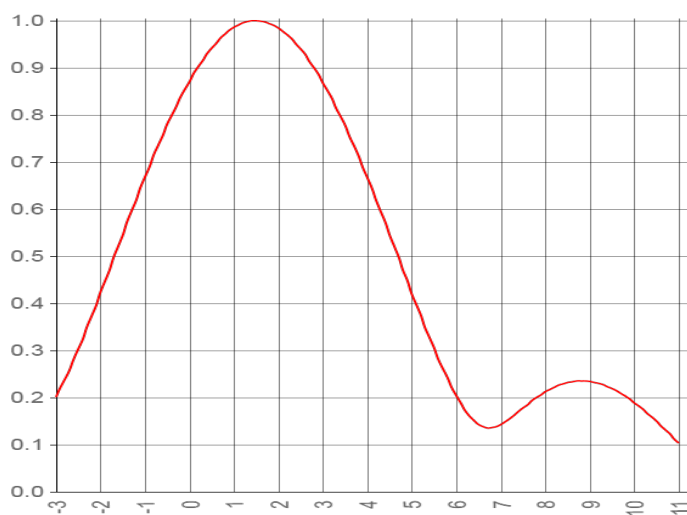
Degrees below horizontal
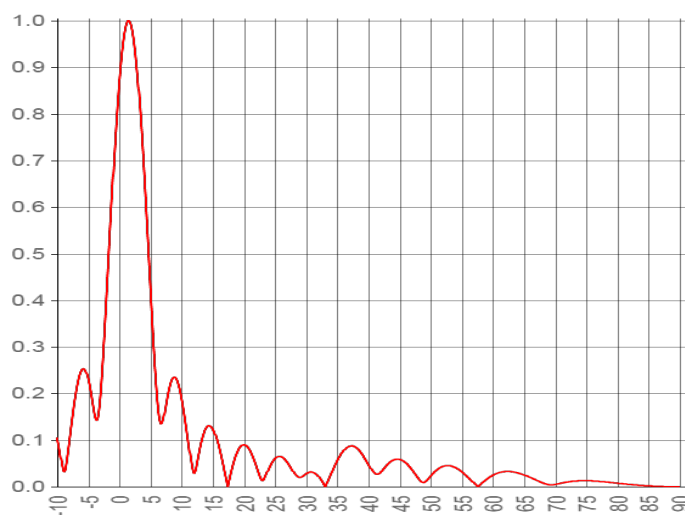
Degrees below horizontal

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10	0.106	10	0.189	30	0.028	50	0.023	70	0.005
-9	0.034	11	0.103	31	0.031	51	0.036	71	0.008
-8	0.103	12	0.029	32	0.022	52	0.044	72	0.010
-7	0.199	13	0.087	33	0.000	53	0.045	73	0.012
-6	0.251	14	0.127	34	0.028	54	0.041	74	0.013
-5	0.230	15	0.124	35	0.056	55	0.032	75	0.013
-4	0.155	16	0.084	36	0.077	56	0.020	76	0.012
-3	0.201	17	0.025	37	0.087	57	0.007	77	0.012
-2	0.421	18	0.034	38	0.084	58	0.005	78	0.010
-1	0.668	19	0.075	39	0.070	59	0.016	79	0.009
0	0.872	20	0.090	40	0.048	60	0.025	80	0.008
1	0.986	21	0.077	41	0.029	61	0.030	81	0.006
2	0.984	22	0.044	42	0.032	62	0.033	82	0.005
3	0.869	23	0.013	43	0.047	63	0.032	83	0.004
4	0.666	24	0.039	44	0.057	64	0.030	84	0.003
5	0.422	25	0.061	45	0.058	65	0.025	85	0.002
6	0.204	26	0.064	46	0.051	66	0.020	86	0.001
7	0.143	27	0.052	47	0.036	67	0.014	87	0.001
8	0.212	28	0.031	48	0.019	68	0.008	88	0.000
9	0.234	29	0.020	49	0.010	69	0.004	89	0.000

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