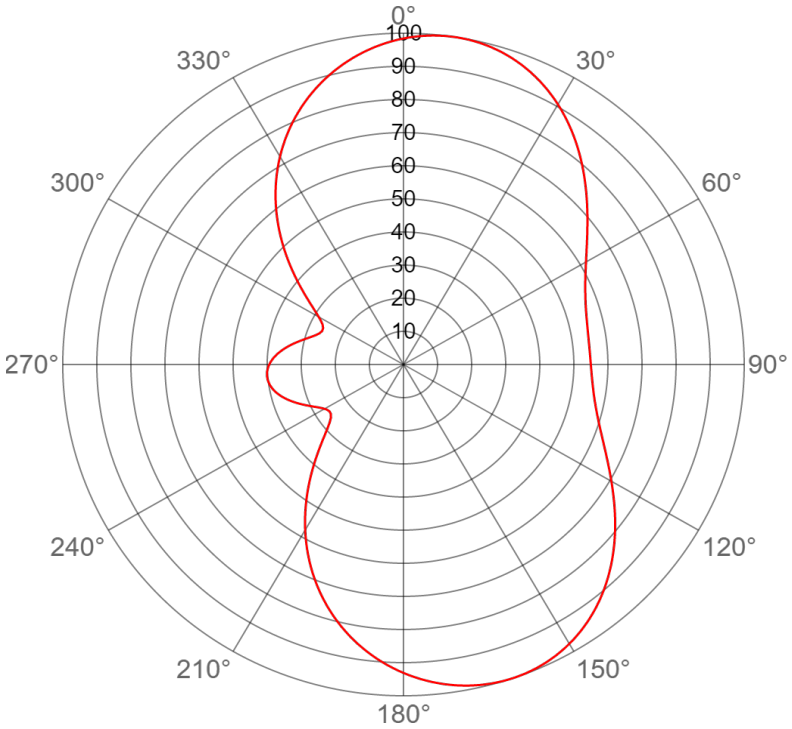


Horizontal Polarization
AZIMUTH PATTERN

Exhibit No.	
Date	**8 Nov 2018**
Call Letters	**KXTU**
Channel	**20**
Antenna Type	**DLP-8J**
Location	**Colorado Springs, CO**
Customer	
Gain	**2.0 (3.01 dB)**
	Calculated
Drawing #	**j-pattern_ch30**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.984	36	0.851	72	0.563	108	0.606	144	0.938	180	0.931	216	0.480	252	0.351	288	0.278	324	0.639
1	0.988	37	0.841	73	0.560	109	0.612	145	0.945	181	0.924	217	0.464	253	0.358	289	0.272	325	0.654
2	0.990	38	0.830	74	0.558	110	0.619	146	0.951	182	0.916	218	0.448	254	0.365	290	0.268	326	0.668
3	0.993	39	0.820	75	0.556	111	0.626	147	0.958	183	0.909	219	0.432	255	0.371	291	0.263	327	0.683
4	0.995	40	0.810	76	0.554	112	0.633	148	0.963	184	0.900	220	0.416	256	0.376	292	0.261	328	0.697
5	0.997	41	0.799	77	0.553	113	0.641	149	0.969	185	0.892	221	0.401	257	0.382	293	0.259	329	0.711
6	0.998	42	0.788	78	0.552	114	0.649	150	0.973	186	0.883	222	0.386	258	0.386	294	0.260	330	0.725
7	0.999	43	0.778	79	0.551	115	0.658	151	0.978	187	0.874	223	0.371	259	0.391	295	0.260	331	0.738
8	1.000	44	0.767	80	0.550	116	0.667	152	0.982	188	0.864	224	0.357	260	0.394	296	0.263	332	0.751
9	1.000	45	0.756	81	0.549	117	0.676	153	0.986	189	0.854	225	0.343	261	0.397	297	0.267	333	0.764
10	1.000	46	0.746	82	0.549	118	0.685	154	0.989	190	0.844	226	0.330	262	0.399	298	0.273	334	0.776
11	0.999	47	0.735	83	0.548	119	0.695	155	0.992	191	0.834	227	0.318	263	0.401	299	0.279	335	0.788
12	0.998	48	0.725	84	0.548	120	0.705	156	0.994	192	0.823	228	0.307	264	0.401	300	0.287	336	0.800
13	0.996	49	0.715	85	0.548	121	0.715	157	0.996	193	0.812	229	0.296	265	0.402	301	0.296	337	0.812
14	0.994	50	0.705	86	0.548	122	0.725	158	0.998	194	0.800	230	0.287	266	0.401	302	0.307	338	0.823
15	0.992	51	0.695	87	0.548	123	0.735	159	0.999	195	0.788	231	0.279	267	0.401	303	0.318	339	0.834
16	0.989	52	0.685	88	0.549	124	0.746	160	1.000	196	0.776	232	0.273	268	0.399	304	0.330	340	0.844
17	0.986	53	0.676	89	0.549	125	0.756	161	1.000	197	0.764	233	0.267	269	0.397	305	0.343	341	0.854
18	0.982	54	0.667	90	0.550	126	0.767	162	1.000	198	0.751	234	0.263	270	0.394	306	0.357	342	0.864
19	0.978	55	0.658	91	0.551	127	0.778	163	0.999	199	0.738	235	0.260	271	0.391	307	0.371	343	0.874
20	0.973	56	0.649	92	0.552	128	0.788	164	0.998	200	0.725	236	0.260	272	0.386	308	0.386	344	0.883
21	0.969	57	0.641	93	0.553	129	0.799	165	0.997	201	0.711	237	0.259	273	0.382	309	0.401	345	0.892
22	0.963	58	0.633	94	0.554	130	0.810	166	0.995	202	0.697	238	0.261	274	0.376	310	0.416	346	0.900
23	0.958	59	0.626	95	0.556	131	0.820	167	0.993	203	0.683	239	0.263	275	0.371	311	0.432	347	0.909
24	0.951	60	0.619	96	0.558	132	0.830	168	0.990	204	0.668	240	0.268	276	0.365	312	0.448	348	0.916
25	0.945	61	0.612	97	0.560	133	0.841	169	0.988	205	0.654	241	0.272	277	0.358	313	0.464	349	0.924
26	0.938	62	0.606	98	0.563	134	0.851	170	0.984	206	0.639	242	0.278	278	0.351	314	0.480	350	0.931
27	0.931	63	0.599	99	0.565	135	0.861	171	0.981	207	0.624	243	0.284	279	0.344	315	0.496	351	0.938
28	0.923	64	0.594	100	0.568	136	0.870	172	0.976	208	0.608	244	0.291	280	0.337	316	0.513	352	0.944
29	0.915	65	0.589	101	0.572	137	0.880	173	0.972	209	0.593	245	0.298	281	0.329	317	0.529	353	0.951
30	0.907	66	0.584	102	0.576	138	0.889	174	0.967	210	0.577	246	0.306	282	0.321	318	0.545	354	0.956
31	0.898	67	0.579	103	0.579	139	0.898	175	0.962	211	0.561	247	0.313	283	0.313	319	0.561	355	0.962
32	0.889	68	0.576	104	0.584	140	0.907	176	0.956	212	0.545	248	0.321	284	0.306	320	0.577	356	0.967
33	0.880	69	0.572	105	0.589	141	0.915	177	0.951	213	0.529	249	0.329	285	0.298	321	0.593	357	0.972
34	0.870	70	0.568	106	0.594	142	0.923	178	0.944	214	0.513	250	0.337	286	0.291	322	0.608	358	0.976
35	0.861	71	0.565	107	0.599	143	0.931	179	0.938	215	0.496	251	0.344	287	0.284	323	0.624	359	0.981

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