

AZIMUTH PATTERN Horizontal Polarization

Proposal No. **C-70339**
 Date **16-Mar-17**
 Call Letters **KPXC**
 Channel **18**
 Frequency **497 MHz**
 Antenna Type **TUD-C5-14/70H-2-B**
 Gain **1.51 (1.79dB)**
 Calculated

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.860	36	0.940	72	0.860	108	0.950	144	0.850	180	0.960	216	0.910	252	0.620	288	0.350
1	0.840	37	0.920	73	0.850	109	0.940	145	0.840	181	0.950	217	0.900	253	0.600	289	0.340
2	0.830	38	0.910	74	0.830	110	0.930	146	0.830	182	0.930	218	0.890	254	0.590	290	0.340
3	0.820	39	0.890	75	0.820	111	0.910	147	0.810	183	0.920	219	0.880	255	0.570	291	0.330
4	0.810	40	0.880	76	0.810	112	0.900	148	0.800	184	0.910	220	0.870	256	0.550	292	0.340
5	0.800	41	0.870	77	0.800	113	0.890	149	0.790	185	0.890	221	0.860	257	0.520	293	0.340
6	0.800	42	0.850	78	0.800	114	0.870	150	0.780	186	0.880	222	0.850	258	0.500	294	0.350
7	0.790	43	0.840	79	0.790	115	0.860	151	0.780	187	0.870	223	0.840	259	0.480	295	0.360
8	0.790	44	0.830	80	0.790	116	0.850	152	0.770	188	0.850	224	0.840	260	0.460	296	0.370
9	0.790	45	0.820	81	0.790	117	0.840	153	0.770	189	0.840	225	0.830	261	0.440	297	0.390
10	0.800	46	0.820	82	0.790	118	0.830	154	0.780	190	0.830	226	0.820	262	0.420	298	0.400
11	0.800	47	0.810	83	0.800	119	0.830	155	0.780	191	0.830	227	0.810	263	0.400	299	0.420
12	0.810	48	0.810	84	0.810	120	0.820	156	0.790	192	0.820	228	0.810	264	0.390	300	0.450
13	0.820	49	0.810	85	0.820	121	0.820	157	0.800	193	0.820	229	0.800	265	0.370	301	0.470
14	0.830	50	0.820	86	0.830	122	0.820	158	0.820	194	0.820	230	0.800	266	0.360	302	0.490
15	0.850	51	0.820	87	0.840	123	0.830	159	0.830	195	0.820	231	0.800	267	0.350	303	0.510
16	0.860	52	0.830	88	0.860	124	0.830	160	0.850	196	0.830	232	0.790	268	0.350	304	0.540
17	0.880	53	0.840	89	0.870	125	0.840	161	0.860	197	0.840	233	0.790	269	0.340	305	0.560
18	0.890	54	0.850	90	0.890	126	0.850	162	0.880	198	0.840	234	0.780	270	0.340	306	0.580
19	0.910	55	0.860	91	0.900	127	0.850	163	0.900	199	0.850	235	0.780	271	0.340	307	0.600
20	0.920	56	0.870	92	0.920	128	0.860	164	0.910	200	0.860	236	0.780	272	0.350	308	0.620
21	0.940	57	0.880	93	0.930	129	0.870	165	0.930	201	0.880	237	0.770	273	0.350	309	0.640
22	0.950	58	0.890	94	0.940	130	0.880	166	0.940	202	0.890	238	0.770	274	0.360	310	0.660
23	0.960	59	0.900	95	0.950	131	0.890	167	0.960	203	0.900	239	0.760	275	0.370	311	0.680
24	0.970	60	0.910	96	0.960	132	0.900	168	0.970	204	0.910	240	0.760	276	0.370	312	0.690
25	0.980	61	0.920	97	0.970	133	0.910	169	0.980	205	0.910	241	0.750	277	0.380	313	0.710
26	0.980	62	0.920	98	0.980	134	0.910	170	0.990	206	0.920	242	0.750	278	0.380	314	0.720
27	0.990	63	0.920	99	0.990	135	0.910	171	0.990	207	0.930	243	0.740	279	0.380	315	0.730
28	0.990	64	0.920	100	0.990	136	0.920	172	1.000	208	0.930	244	0.730	280	0.380	316	0.740
29	0.990	65	0.920	101	0.990	137	0.910	173	1.000	209	0.940	245	0.720	281	0.380	317	0.750
30	0.990	66	0.920	102	0.990	138	0.910	174	1.000	210	0.940	246	0.710	282	0.380	318	0.760
31	0.980	67	0.910	103	0.990	139	0.910	175	1.000	211	0.940	247	0.700	283	0.380	319	0.770
32	0.980	68	0.900	104	0.980	140	0.900	176	0.990	212	0.930	248	0.680	284	0.370	320	0.780
33	0.970	69	0.890	105	0.980	141	0.890	177	0.990	213	0.930	249	0.670	285	0.370	321	0.790
34	0.960	70	0.880	106	0.970	142	0.880	178	0.980	214	0.920	250	0.660	286	0.360	322	0.790
35	0.950	71	0.870	107	0.960	143	0.870	179	0.970	215	0.920	251	0.640	287	0.350	323	0.800

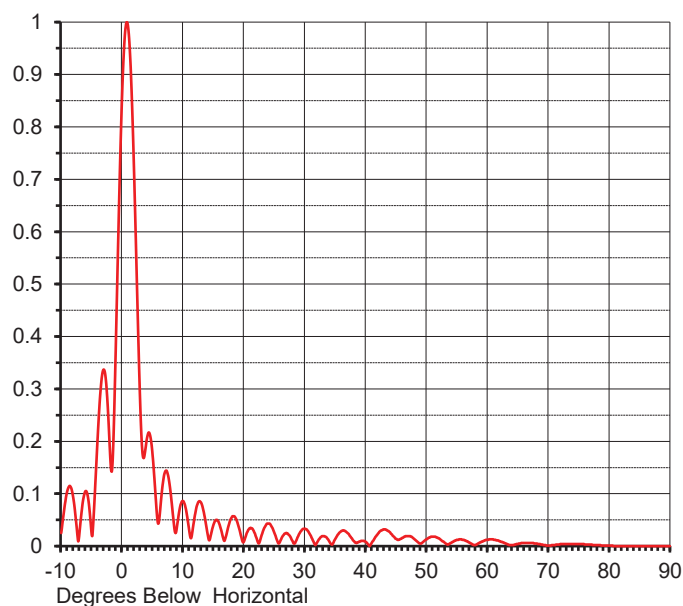
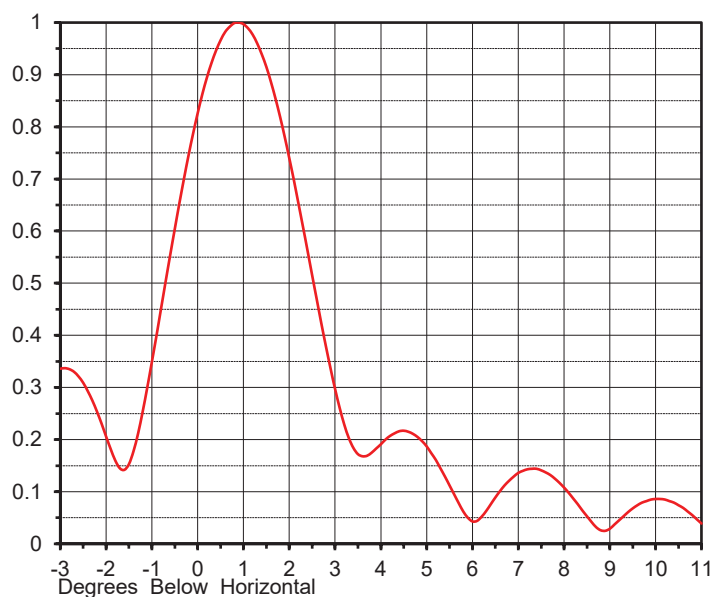
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ELEVATION PATTERN

Proposal No. **C-70339**
 Date **16-Mar-17**
 Call Letters **KPXC**
 Channel **18**
 Frequency **497 MHz**
 Antenna Type **TUD-C5-14/70H-2-B**

RMS Directivity at Main Lobe **23.2 (13.65 dB)**
 RMS Directivity at Horizontal **15.8 (11.99 dB)**
Calculated

Beam Tilt **0.80 deg**
 Pattern Number **14U232080**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.025	10.0	0.086	30.0	0.033	50.0	0.013	70.0	0.001
-9.0	0.105	11.0	0.031	31.0	0.019	51.0	0.018	71.0	0.002
-8.0	0.091	12.0	0.062	32.0	0.007	52.0	0.015	72.0	0.004
-7.0	0.025	13.0	0.082	33.0	0.019	53.0	0.006	73.0	0.004
-6.0	0.105	14.0	0.025	34.0	0.009	54.0	0.006	74.0	0.004
-5.0	0.023	15.0	0.041	35.0	0.014	55.0	0.012	75.0	0.004
-4.0	0.210	16.0	0.041	36.0	0.029	56.0	0.012	76.0	0.003
-3.0	0.337	17.0	0.017	37.0	0.025	57.0	0.007	77.0	0.003
-2.0	0.182	18.0	0.055	38.0	0.010	58.0	0.002	78.0	0.002
-1.0	0.399	19.0	0.042	39.0	0.009	59.0	0.008	79.0	0.001
0.0	0.862	20.0	0.009	40.0	0.008	60.0	0.012	80.0	0.001
1.0	0.989	21.0	0.034	41.0	0.007	61.0	0.012	81.0	0.000
2.0	0.698	22.0	0.017	42.0	0.024	62.0	0.009	82.0	0.000
3.0	0.261	23.0	0.024	43.0	0.032	63.0	0.005	83.0	0.000
4.0	0.200	24.0	0.043	44.0	0.026	64.0	0.002	84.0	0.000
5.0	0.174	25.0	0.025	45.0	0.014	65.0	0.004	85.0	0.000
6.0	0.044	26.0	0.011	46.0	0.016	66.0	0.006	86.0	0.000
7.0	0.140	27.0	0.025	47.0	0.019	67.0	0.006	87.0	0.000
8.0	0.098	28.0	0.009	48.0	0.013	68.0	0.005	88.0	0.000
9.0	0.037	29.0	0.022	49.0	0.005	69.0	0.003	89.0	0.000
								90.0	0.000

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