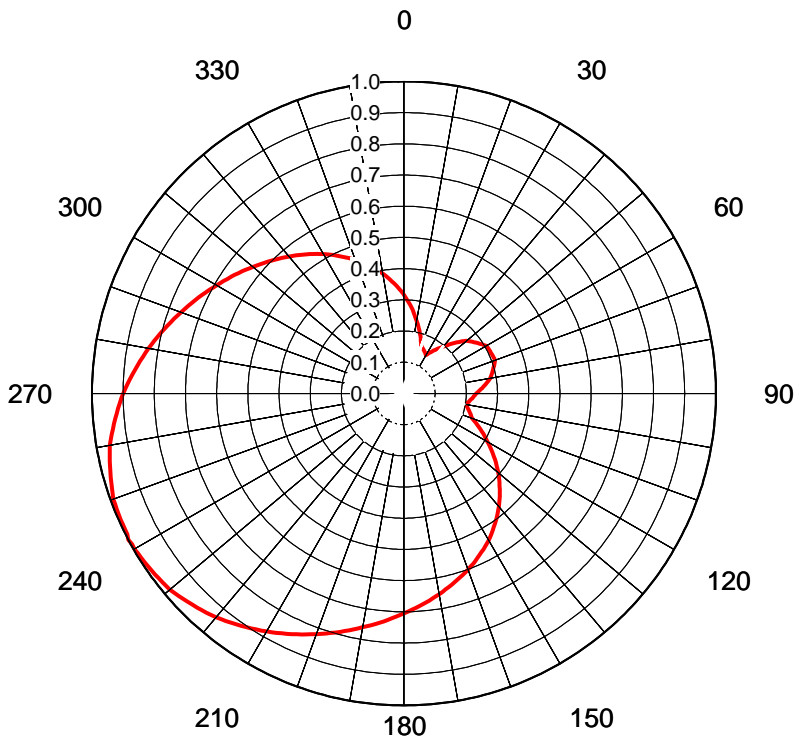


AZIMUTH PATTERN Horizontal Polarization

Proposal No. **C-70590-3**
 Date **25-Mar-17**
 Call Letters **KFXB**
 Channel **14**
 Frequency **473 MHz**
 Antenna Type **TFU-12GTH-R C250**
 Gain **2.68 (4.28dB)**
 Calculated



Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.317	36	0.174	72	0.305	108	0.226	144	0.502	180	0.705	216	0.915	252	0.984	288	0.774
1	0.309	37	0.179	73	0.302	109	0.229	145	0.509	181	0.711	217	0.920	253	0.981	289	0.767
2	0.301	38	0.184	74	0.299	110	0.232	146	0.516	182	0.716	218	0.926	254	0.977	290	0.760
3	0.293	39	0.190	75	0.296	111	0.240	147	0.523	183	0.722	219	0.931	255	0.974	291	0.753
4	0.285	40	0.195	76	0.293	112	0.247	148	0.530	184	0.727	220	0.937	256	0.971	292	0.747
5	0.276	41	0.202	77	0.290	113	0.255	149	0.537	185	0.733	221	0.941	257	0.967	293	0.740
6	0.268	42	0.208	78	0.287	114	0.263	150	0.544	186	0.739	222	0.945	258	0.964	294	0.733
7	0.260	43	0.215	79	0.284	115	0.271	151	0.550	187	0.744	223	0.950	259	0.960	295	0.726
8	0.252	44	0.222	80	0.281	116	0.278	152	0.555	188	0.750	224	0.954	260	0.957	296	0.720
9	0.244	45	0.228	81	0.276	117	0.286	153	0.561	189	0.755	225	0.958	261	0.951	297	0.713
10	0.236	46	0.235	82	0.271	118	0.294	154	0.567	190	0.761	226	0.962	262	0.946	298	0.706
11	0.229	47	0.242	83	0.266	119	0.301	155	0.572	191	0.767	227	0.966	263	0.940	299	0.700
12	0.221	48	0.249	84	0.261	120	0.309	156	0.578	192	0.773	228	0.971	264	0.934	300	0.693
13	0.214	49	0.255	85	0.257	121	0.318	157	0.584	193	0.779	229	0.975	265	0.928	301	0.687
14	0.206	50	0.262	86	0.252	122	0.326	158	0.590	194	0.785	230	0.979	266	0.923	302	0.681
15	0.199	51	0.266	87	0.247	123	0.335	159	0.595	195	0.791	231	0.981	267	0.917	303	0.674
16	0.192	52	0.271	88	0.242	124	0.343	160	0.601	196	0.797	232	0.983	268	0.911	304	0.668
17	0.184	53	0.275	89	0.237	125	0.352	161	0.606	197	0.803	233	0.984	269	0.906	305	0.662
18	0.177	54	0.279	90	0.232	126	0.361	162	0.611	198	0.809	234	0.986	270	0.900	306	0.656
19	0.169	55	0.283	91	0.229	127	0.369	163	0.617	199	0.815	235	0.988	271	0.893	307	0.650
20	0.162	56	0.288	92	0.226	128	0.378	164	0.622	200	0.821	236	0.990	272	0.886	308	0.643
21	0.160	57	0.292	93	0.223	129	0.386	165	0.627	201	0.827	237	0.992	273	0.879	309	0.637
22	0.158	58	0.296	94	0.220	130	0.395	166	0.632	202	0.833	238	0.993	274	0.872	310	0.631
23	0.156	59	0.301	95	0.216	131	0.403	167	0.637	203	0.839	239	0.995	275	0.865	311	0.625
24	0.154	60	0.305	96	0.213	132	0.411	168	0.643	204	0.845	240	0.997	276	0.859	312	0.619
25	0.152	61	0.306	97	0.210	133	0.419	169	0.648	205	0.851	241	0.996	277	0.852	313	0.614
26	0.150	62	0.306	98	0.207	134	0.427	170	0.653	206	0.857	242	1.000	278	0.845	314	0.608
27	0.148	63	0.307	99	0.204	135	0.435	171	0.658	207	0.863	243	0.995	279	0.838	315	0.602
28	0.146	64	0.307	100	0.201	136	0.442	172	0.663	208	0.869	244	0.995	280	0.831	316	0.596
29	0.144	65	0.308	101	0.204	137	0.450	173	0.669	209	0.875	245	0.994	281	0.824	317	0.590
30	0.142	66	0.309	102	0.207	138	0.458	174	0.674	210	0.881	246	0.993	282	0.817	318	0.585
31	0.147	67	0.309	103	0.210	139	0.466	175	0.679	211	0.887	247	0.993	283	0.810	319	0.579
32	0.153	68	0.310	104	0.213	140	0.474	176	0.684	212	0.892	248	0.992	284	0.803	320	0.573
33	0.158	69	0.310	105	0.216	141	0.481	177	0.689	213	0.898	249	0.992	285	0.795	321	0.567
34	0.163	70	0.311	106	0.220	142	0.488	178	0.695	214	0.903	250	0.991	286	0.788	322	0.562
35	0.169	71	0.308	107	0.223	143	0.495	179	0.700	215	0.909	251	0.988	287	0.781	323	0.556

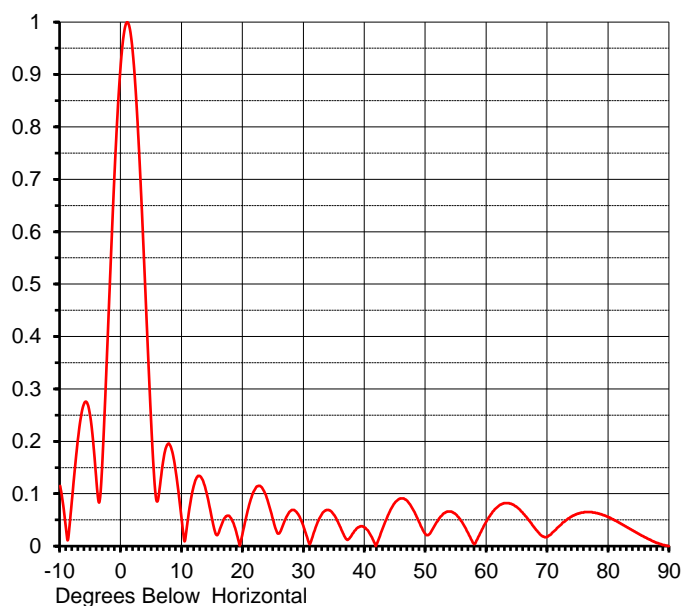
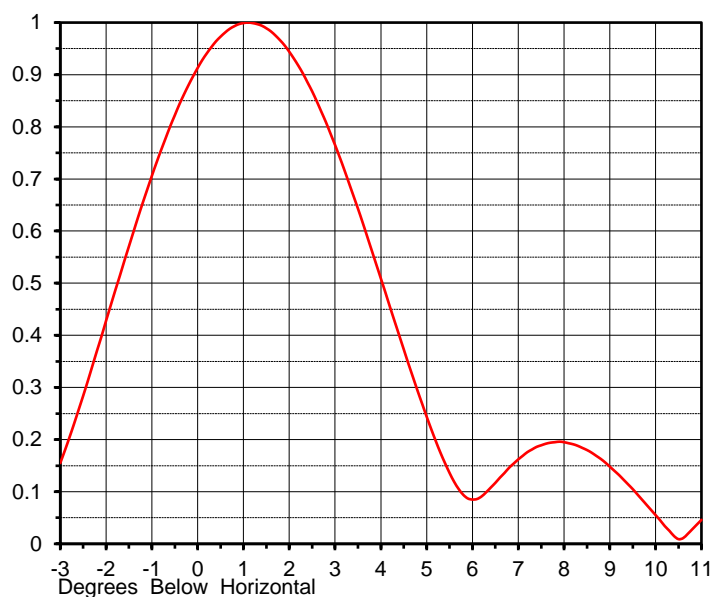
This document contains proprietary and confidential information of Dielectric. It is to be used solely for the purpose for which it is provided. No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric.

ELEVATION PATTERN

Proposal No. **C-70590-3**
 Date **25-Mar-17**
 Call Letters **KFXB**
 Channel **14**
 Frequency **473 MHz**
 Antenna Type **TFU-12GTH-R C250**

RMS Directivity at Main Lobe **12.0 (10.79 dB)**
 RMS Directivity at Horizontal **10.3 (10.13 dB)**
Calculated

Beam Tilt **1.00 deg**
 Pattern Number **12G120100**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.115	10.0	0.045	30.0	0.035	50.0	0.022	70.0	0.018
-9.0	0.029	11.0	0.054	31.0	0.004	51.0	0.030	71.0	0.028
-8.0	0.096	12.0	0.118	32.0	0.038	52.0	0.049	72.0	0.039
-7.0	0.212	13.0	0.133	33.0	0.062	53.0	0.063	73.0	0.049
-6.0	0.274	14.0	0.103	34.0	0.069	54.0	0.066	74.0	0.057
-5.0	0.243	15.0	0.048	35.0	0.059	55.0	0.060	75.0	0.062
-4.0	0.117	16.0	0.025	36.0	0.036	56.0	0.045	76.0	0.065
-3.0	0.179	17.0	0.054	37.0	0.013	57.0	0.024	77.0	0.065
-2.0	0.457	18.0	0.054	38.0	0.024	58.0	0.004	78.0	0.063
-1.0	0.731	19.0	0.022	39.0	0.036	59.0	0.026	79.0	0.060
0.0	0.928	20.0	0.028	40.0	0.035	60.0	0.048	80.0	0.055
1.0	1.000	21.0	0.078	41.0	0.020	61.0	0.066	81.0	0.049
2.0	0.931	22.0	0.109	42.0	0.005	62.0	0.077	82.0	0.043
3.0	0.742	23.0	0.113	43.0	0.036	63.0	0.082	83.0	0.036
4.0	0.482	24.0	0.089	44.0	0.064	64.0	0.081	84.0	0.030
5.0	0.220	25.0	0.048	45.0	0.084	65.0	0.074	85.0	0.023
6.0	0.086	26.0	0.025	46.0	0.091	66.0	0.062	86.0	0.017
7.0	0.169	27.0	0.052	47.0	0.086	67.0	0.048	87.0	0.011
8.0	0.193	28.0	0.069	48.0	0.068	68.0	0.033	88.0	0.006
9.0	0.140	29.0	0.062	49.0	0.044	69.0	0.020	89.0	0.002
								90.0	0.000

This document contains proprietary and confidential information of Dielectric. It is to be used solely for the purpose for which it is provided. No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric.