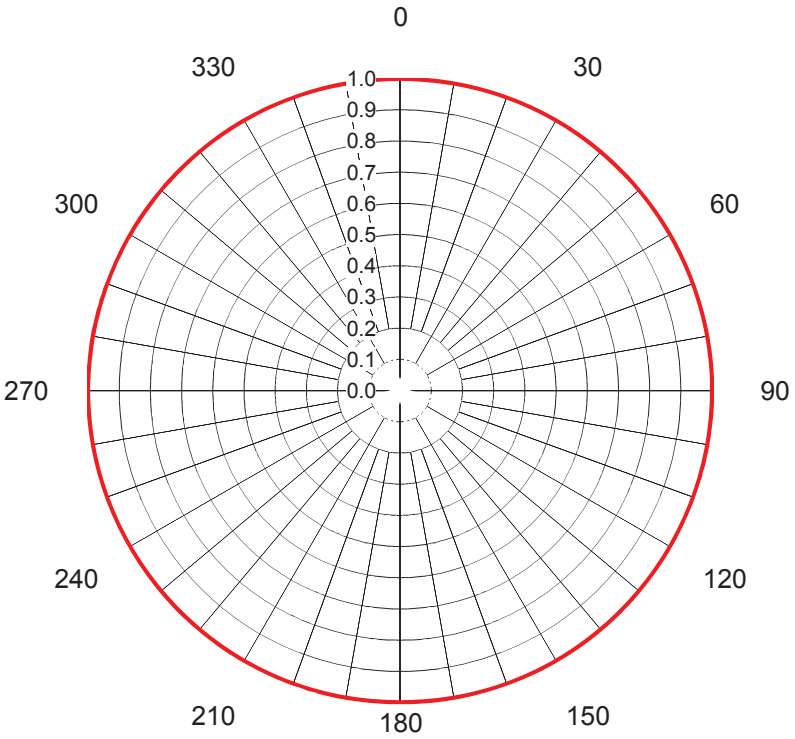
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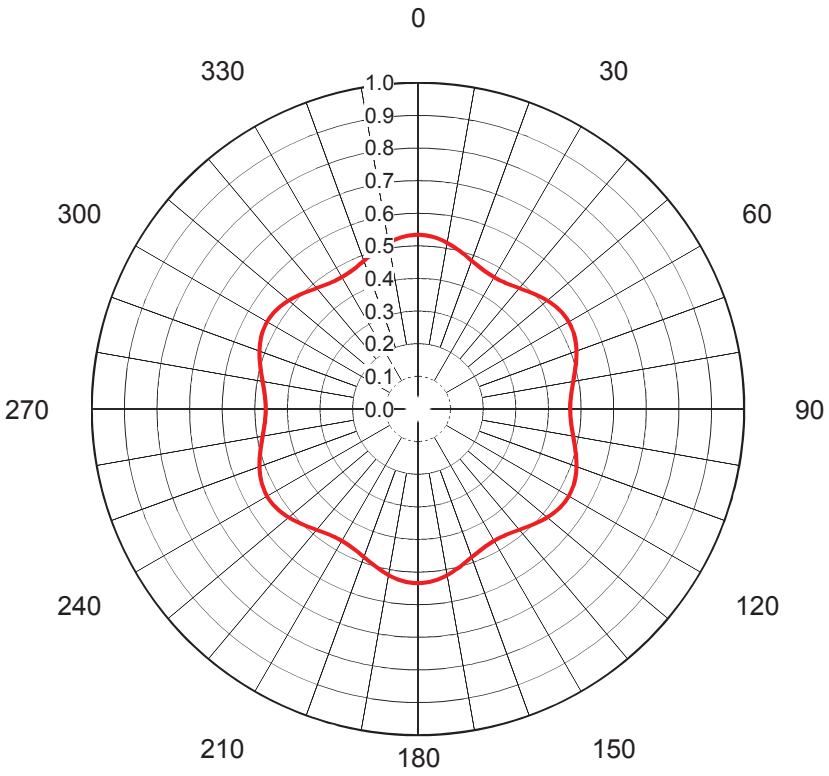


AZIMUTH PATTERN
Horizontal Polarization

Proposal No.	**C-70396-1**
Date	**4-Mar-17**
Call Letters	**KMEG**
Channel	**32**
Frequency	**581 MHz**
Antenna Type	**TFU-27JTH/VP-R 06**
Gain	**1 (0dB)**
	Calculated
Circularity	**+/- 1.0 dB**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.999	36	1.000	72	0.999	108	0.999	144	1.000	180	0.999	216	1.000	252	0.999	288	0.999	324	1.000
1	0.999	37	1.000	73	0.999	109	0.999	145	1.000	181	0.999	217	1.000	253	0.999	289	0.999	325	1.000
2	0.999	38	1.000	74	0.999	110	0.999	146	1.000	182	0.999	218	1.000	254	0.999	290	0.999	326	1.000
3	0.999	39	1.000	75	0.999	111	0.999	147	1.000	183	0.999	219	1.000	255	0.999	291	0.999	327	1.000
4	0.999	40	1.000	76	1.000	112	0.999	148	1.000	184	0.999	220	1.000	256	1.000	292	0.999	328	1.000
5	0.999	41	1.000	77	1.000	113	0.999	149	1.000	185	0.999	221	1.000	257	1.000	293	0.999	329	1.000
6	0.999	42	1.000	78	1.000	114	0.999	150	1.000	186	0.999	222	1.000	258	1.000	294	0.999	330	1.000
7	0.999	43	1.000	79	1.000	115	0.999	151	1.000	187	0.999	223	1.000	259	1.000	295	0.999	331	1.000
8	0.999	44	1.000	80	1.000	116	0.999	152	1.000	188	0.999	224	1.000	260	1.000	296	0.999	332	1.000
9	0.999	45	0.999	81	1.000	117	0.999	153	1.000	189	0.999	225	0.999	261	1.000	297	0.999	333	1.000
10	0.999	46	0.999	82	1.000	118	0.999	154	1.000	190	0.999	226	0.999	262	1.000	298	0.999	334	1.000
11	0.999	47	0.999	83	1.000	119	0.999	155	1.000	191	0.999	227	0.999	263	1.000	299	0.999	335	1.000
12	0.999	48	0.999	84	1.000	120	0.999	156	1.000	192	0.999	228	0.999	264	1.000	300	0.999	336	1.000
13	0.999	49	0.999	85	1.000	121	0.999	157	1.000	193	0.999	229	0.999	265	1.000	301	0.999	337	1.000
14	0.999	50	0.999	86	1.000	122	0.999	158	1.000	194	0.999	230	0.999	266	1.000	302	0.999	338	1.000
15	0.999	51	0.999	87	1.000	123	0.999	159	1.000	195	0.999	231	0.999	267	1.000	303	0.999	339	1.000
16	1.000	52	0.999	88	1.000	124	0.999	160	1.000	196	1.000	232	0.999	268	1.000	304	0.999	340	1.000
17	1.000	53	0.999	89	1.000	125	0.999	161	1.000	197	1.000	233	0.999	269	1.000	305	0.999	341	1.000
18	1.000	54	0.999	90	1.000	126	0.999	162	1.000	198	1.000	234	0.999	270	1.000	306	0.999	342	1.000
19	1.000	55	0.999	91	1.000	127	0.999	163	1.000	199	1.000	235	0.999	271	1.000	307	0.999	343	1.000
20	1.000	56	0.999	92	1.000	128	0.999	164	1.000	200	1.000	236	0.999	272	1.000	308	0.999	344	1.000
21	1.000	57	0.999	93	1.000	129	0.999	165	0.999	201	1.000	237	0.999	273	1.000	309	0.999	345	0.999
22	1.000	58	0.999	94	1.000	130	0.999	166	0.999	202	1.000	238	0.999	274	1.000	310	0.999	346	0.999
23	1.000	59	0.999	95	1.000	131	0.999	167	0.999	203	1.000	239	0.999	275	1.000	311	0.999	347	0.999
24	1.000	60	0.999	96	1.000	132	0.999	168	0.999	204	1.000	240	0.999	276	1.000	312	0.999	348	0.999
25	1.000	61	0.999	97	1.000	133	0.999	169	0.999	205	1.000	241	0.999	277	1.000	313	0.999	349	0.999
26	1.000	62	0.999	98	1.000	134	0.999	170	0.999	206	1.000	242	0.999	278	1.000	314	0.999	350	0.999
27	1.000	63	0.999	99	1.000	135	0.999	171	0.999	207	1.000	243	0.999	279	1.000	315	0.999	351	0.999
28	1.000	64	0.999	100	1.000	136	1.000	172	0.999	208	1.000	244	0.999	280	1.000	316	1.000	352	0.999
29	1.000	65	0.999	101	1.000	137	1.000	173	0.999	209	1.000	245	0.999	281	1.000	317	1.000	353	0.999
30	1.000	66	0.999	102	1.000	138	1.000	174	0.999	210	1.000	246	0.999	282	1.000	318	1.000	354	0.999
31	1.000	67	0.999	103	1.000	139	1.000	175	0.999	211	1.000	247	0.999	283	1.000	319	1.000	355	0.999
32	1.000	68	0.999	104	1.000	140	1.000	176	0.999	212	1.000	248	0.999	284	1.000	320	1.000	356	0.999
33	1.000	69	0.999	105	0.999	141	1.000	177	0.999	213	1.000	249	0.999	285	0.999	321	1.000	357	0.999
34	1.000	70	0.999	106	0.999	142	1.000	178	0.999	214	1.000	250	0.999	286	0.999	322	1.000	358	0.999
35	1.000	71	0.999	107	0.999	143	1.000	179	0.999	215	1.000	251	0.999	287	0.999	323	1.000	359	0.999

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AZIMUTH PATTERN
Vertical Polarization

Proposal No.	**C-70396-1**
Date	**4-Mar-17**
Call Letters	**KMEG**
Channel	**32**
Frequency	**581 MHz**
Antenna Type	**TFU-27JTH/VP-R 06**
Gain	**1.14 (0.56dB) Calculated**
Circularity	**+/- 1.0 dB**

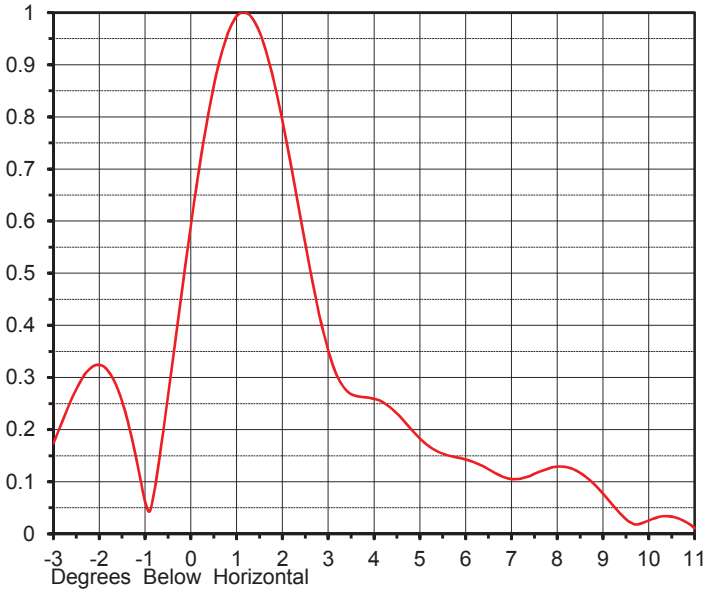
Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.534	36	0.473	72	0.511	108	0.511	144	0.473	180	0.534	216	0.473	252	0.511	288	0.511	324	0.473
1	0.534	37	0.475	73	0.507	109	0.514	145	0.471	181	0.534	217	0.475	253	0.507	289	0.514	325	0.471
2	0.533	38	0.478	74	0.504	110	0.517	146	0.470	182	0.533	218	0.478	254	0.504	290	0.517	326	0.470
3	0.532	39	0.480	75	0.500	111	0.520	147	0.468	183	0.532	219	0.480	255	0.500	291	0.520	327	0.468
4	0.531	40	0.483	76	0.497	112	0.523	148	0.467	184	0.531	220	0.483	256	0.497	292	0.523	328	0.467
5	0.530	41	0.487	77	0.493	113	0.525	149	0.467	185	0.530	221	0.487	257	0.493	293	0.525	329	0.467
6	0.528	42	0.490	78	0.490	114	0.528	150	0.467	186	0.528	222	0.490	258	0.490	294	0.528	330	0.467
7	0.525	43	0.493	79	0.487	115	0.530	151	0.467	187	0.525	223	0.493	259	0.487	295	0.530	331	0.467
8	0.523	44	0.497	80	0.483	116	0.531	152	0.467	188	0.523	224	0.497	260	0.483	296	0.531	332	0.467
9	0.520	45	0.500	81	0.480	117	0.532	153	0.468	189	0.520	225	0.500	261	0.480	297	0.532	333	0.468
10	0.517	46	0.504	82	0.478	118	0.533	154	0.470	190	0.517	226	0.504	262	0.478	298	0.533	334	0.470
11	0.514	47	0.507	83	0.475	119	0.534	155	0.471	191	0.514	227	0.507	263	0.475	299	0.534	335	0.471
12	0.511	48	0.511	84	0.473	120	0.534	156	0.473	192	0.511	228	0.511	264	0.473	300	0.534	336	0.473
13	0.507	49	0.514	85	0.471	121	0.534	157	0.475	193	0.507	229	0.514	265	0.471	301	0.534	337	0.475
14	0.504	50	0.517	86	0.470	122	0.533	158	0.478	194	0.504	230	0.517	266	0.470	302	0.533	338	0.478
15	0.500	51	0.520	87	0.468	123	0.532	159	0.480	195	0.500	231	0.520	267	0.468	303	0.532	339	0.480
16	0.497	52	0.523	88	0.467	124	0.531	160	0.483	196	0.497	232	0.523	268	0.467	304	0.531	340	0.483
17	0.493	53	0.525	89	0.467	125	0.530	161	0.487	197	0.493	233	0.525	269	0.467	305	0.530	341	0.487
18	0.490	54	0.528	90	0.467	126	0.528	162	0.490	198	0.490	234	0.528	270	0.467	306	0.528	342	0.490
19	0.487	55	0.530	91	0.467	127	0.525	163	0.493	199	0.487	235	0.530	271	0.467	307	0.525	343	0.493
20	0.483	56	0.531	92	0.467	128	0.523	164	0.497	200	0.483	236	0.531	272	0.467	308	0.523	344	0.497
21	0.480	57	0.532	93	0.468	129	0.520	165	0.500	201	0.480	237	0.532	273	0.468	309	0.520	345	0.500
22	0.478	58	0.533	94	0.470	130	0.517	166	0.504	202	0.478	238	0.533	274	0.470	310	0.517	346	0.504
23	0.475	59	0.534	95	0.471	131	0.514	167	0.507	203	0.475	239	0.534	275	0.471	311	0.514	347	0.507
24	0.473	60	0.534	96	0.473	132	0.511	168	0.511	204	0.473	240	0.534	276	0.473	312	0.511	348	0.511
25	0.471	61	0.534	97	0.475	133	0.507	169	0.514	205	0.471	241	0.534	277	0.475	313	0.507	349	0.514
26	0.470	62	0.533	98	0.478	134	0.504	170	0.517	206	0.470	242	0.533	278	0.478	314	0.504	350	0.517
27	0.468	63	0.532	99	0.480	135	0.500	171	0.520	207	0.468	243	0.532	279	0.480	315	0.500	351	0.520
28	0.467	64	0.531	100	0.483	136	0.497	172	0.523	208	0.467	244	0.531	280	0.483	316	0.497	352	0.523
29	0.467	65	0.530	101	0.487	137	0.493	173	0.525	209	0.467	245	0.530	281	0.487	317	0.493	353	0.525
30	0.467	66	0.528	102	0.490	138	0.490	174	0.528	210	0.467	246	0.528	282	0.490	318	0.490	354	0.528
31	0.467	67	0.525	103	0.493	139	0.487	175	0.530	211	0.467	247	0.525	283	0.493	319	0.487	355	0.530
32	0.467	68	0.523	104	0.497	140	0.483	176	0.531	212	0.467	248	0.523	284	0.497	320	0.483	356	0.531
33	0.468	69	0.520	105	0.500	141	0.480	177	0.532	213	0.468	249	0.520	285	0.500	321	0.480	357	0.532
34	0.470	70	0.517	106	0.504	142	0.478	178	0.533	214	0.470	250	0.517	286	0.504	322	0.478	358	0.533
35	0.471	71	0.514	107	0.507	143	0.475	179	0.534	215	0.471	251	0.514	287	0.507	323	0.475	359	0.534

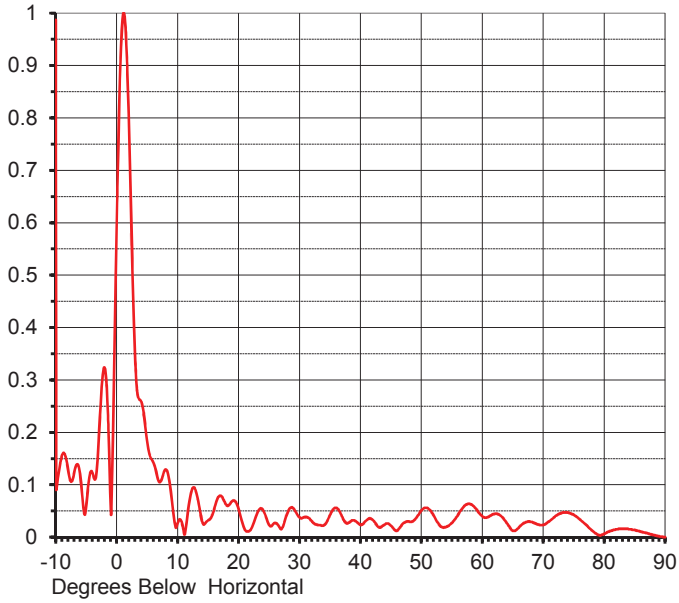
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ELEVATION PATTERN

Proposal No.	**C-70396-1**
Date	**4-Mar-17**
Call Letters	**KMEG**
Channel	**32**
Frequency	**581 MHz**
Antenna Type	**TFU-27JTH/VP-R 06**

RMS Directivity at Main Lobe	**25.0 (13.98 dB)**	Beam Tilt	**1.05 deg**
RMS Directivity at Horizontal	**8.7 (9.40 dB)**	Drawing Number	**27J250105**
	Calculated		





Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.987	10.0	0.026	30.0	0.038	50.0	0.051	70.0	0.023
-9.0	0.155	11.0	0.011	31.0	0.039	51.0	0.056	71.0	0.030
-8.0	0.131	12.0	0.072	32.0	0.031	52.0	0.042	72.0	0.040
-7.0	0.121	13.0	0.088	33.0	0.023	53.0	0.023	73.0	0.046
-6.0	0.119	14.0	0.031	34.0	0.023	54.0	0.019	74.0	0.047
-5.0	0.059	15.0	0.032	35.0	0.042	55.0	0.027	75.0	0.043
-4.0	0.124	16.0	0.053	36.0	0.056	56.0	0.042	76.0	0.034
-3.0	0.174	17.0	0.079	37.0	0.039	57.0	0.059	77.0	0.024
-2.0	0.324	18.0	0.062	38.0	0.027	58.0	0.063	78.0	0.013
-1.0	0.062	19.0	0.069	39.0	0.032	59.0	0.054	79.0	0.004
0.0	0.591	20.0	0.054	40.0	0.024	60.0	0.040	80.0	0.006
1.0	0.993	21.0	0.015	41.0	0.032	61.0	0.039	81.0	0.012
2.0	0.793	22.0	0.014	42.0	0.033	62.0	0.044	82.0	0.015
3.0	0.352	23.0	0.044	43.0	0.019	63.0	0.041	83.0	0.016
4.0	0.259	24.0	0.052	44.0	0.024	64.0	0.027	84.0	0.015
5.0	0.183	25.0	0.024	45.0	0.022	65.0	0.012	85.0	0.014
6.0	0.143	26.0	0.027	46.0	0.012	66.0	0.018	86.0	0.011
7.0	0.105	27.0	0.015	47.0	0.026	67.0	0.028	87.0	0.008
8.0	0.129	28.0	0.045	48.0	0.030	68.0	0.029	88.0	0.004
9.0	0.077	29.0	0.055	49.0	0.034	69.0	0.025	89.0	0.002
								90.0	0.000

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