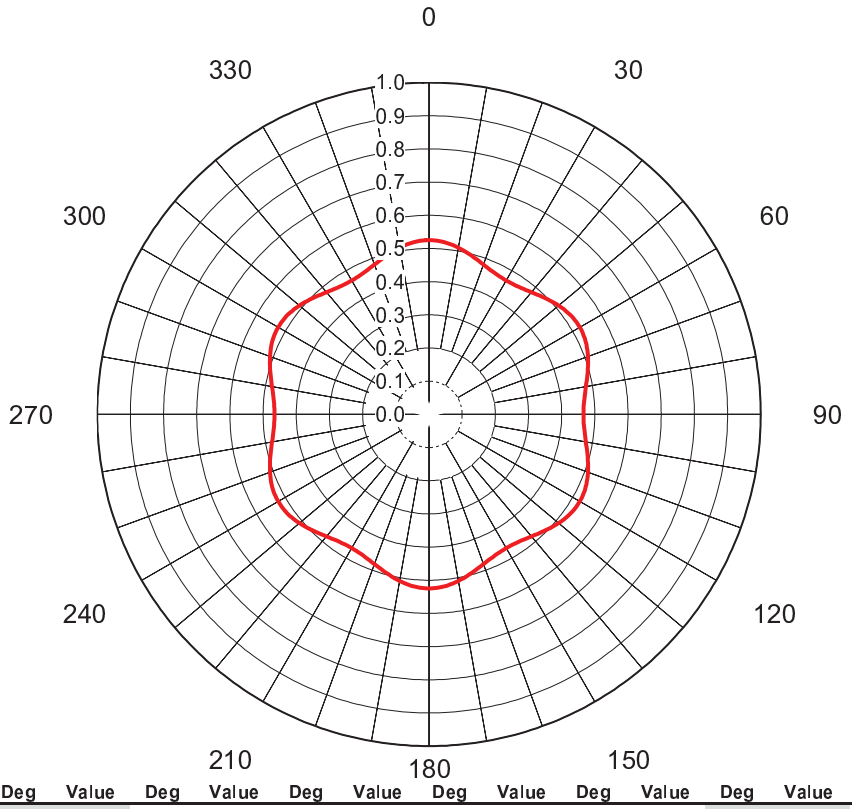
Dielectric®



AZIMUTH PATTERN
Vertical Polarization

Proposal No.	**C-70817-2**
Date	**7-Jun-18**
Call Letters	**KOMO**
Channel	**30**
Frequency	**569 MHz**
Antenna Type	**TFU-25ETT/VP-R O6**
Gain	**1.12 (0.5dB)** 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	0.525	36	0.471	72	0.504	108	0.504	144	0.471	180	0.525	216	0.471	252	0.504	288	0.504	324	0.471
1	0.525	37	0.473	73	0.501	109	0.507	145	0.470	181	0.525	217	0.473	253	0.501	289	0.507	325	0.470
2	0.524	38	0.475	74	0.498	110	0.510	146	0.468	182	0.524	218	0.475	254	0.498	290	0.510	326	0.468
3	0.523	39	0.478	75	0.495	111	0.513	147	0.467	183	0.523	219	0.478	255	0.495	291	0.513	327	0.467
4	0.522	40	0.480	76	0.492	112	0.515	148	0.466	184	0.522	220	0.480	256	0.492	292	0.515	328	0.466
5	0.521	41	0.483	77	0.489	113	0.517	149	0.466	185	0.521	221	0.483	257	0.489	293	0.517	329	0.466
6	0.519	42	0.486	78	0.486	114	0.519	150	0.466	186	0.519	222	0.486	258	0.486	294	0.519	330	0.466
7	0.517	43	0.489	79	0.483	115	0.521	151	0.466	187	0.517	223	0.489	259	0.483	295	0.521	331	0.466
8	0.515	44	0.492	80	0.480	116	0.522	152	0.466	188	0.515	224	0.492	260	0.480	296	0.522	332	0.466
9	0.513	45	0.495	81	0.478	117	0.523	153	0.467	189	0.513	225	0.495	261	0.478	297	0.523	333	0.467
10	0.510	46	0.498	82	0.475	118	0.524	154	0.468	190	0.510	226	0.498	262	0.475	298	0.524	334	0.468
11	0.507	47	0.501	83	0.473	119	0.525	155	0.470	191	0.507	227	0.501	263	0.473	299	0.525	335	0.470
12	0.504	48	0.504	84	0.471	120	0.525	156	0.471	192	0.504	228	0.504	264	0.471	300	0.525	336	0.471
13	0.501	49	0.507	85	0.470	121	0.525	157	0.473	193	0.501	229	0.507	265	0.470	301	0.525	337	0.473
14	0.498	50	0.510	86	0.468	122	0.524	158	0.475	194	0.498	230	0.510	266	0.468	302	0.524	338	0.475
15	0.495	51	0.513	87	0.467	123	0.523	159	0.478	195	0.495	231	0.513	267	0.467	303	0.523	339	0.478
16	0.492	52	0.515	88	0.466	124	0.522	160	0.480	196	0.492	232	0.515	268	0.466	304	0.522	340	0.480
17	0.489	53	0.517	89	0.466	125	0.521	161	0.483	197	0.489	233	0.517	269	0.466	305	0.521	341	0.483
18	0.486	54	0.519	90	0.466	126	0.519	162	0.486	198	0.486	234	0.519	270	0.466	306	0.519	342	0.486
19	0.483	55	0.521	91	0.466	127	0.517	163	0.489	199	0.483	235	0.521	271	0.466	307	0.517	343	0.489
20	0.480	56	0.522	92	0.466	128	0.515	164	0.492	200	0.480	236	0.522	272	0.466	308	0.515	344	0.492
21	0.478	57	0.523	93	0.467	129	0.513	165	0.495	201	0.478	237	0.523	273	0.467	309	0.513	345	0.495
22	0.475	58	0.524	94	0.468	130	0.510	166	0.498	202	0.475	238	0.524	274	0.468	310	0.510	346	0.498
23	0.473	59	0.525	95	0.470	131	0.507	167	0.501	203	0.473	239	0.525	275	0.470	311	0.507	347	0.501
24	0.471	60	0.525	96	0.471	132	0.504	168	0.504	204	0.471	240	0.525	276	0.471	312	0.504	348	0.504
25	0.470	61	0.525	97	0.473	133	0.501	169	0.507	205	0.470	241	0.525	277	0.473	313	0.501	349	0.507
26	0.468	62	0.524	98	0.475	134	0.498	170	0.510	206	0.468	242	0.524	278	0.475	314	0.498	350	0.510
27	0.467	63	0.523	99	0.478	135	0.495	171	0.513	207	0.467	243	0.523	279	0.478	315	0.495	351	0.513
28	0.466	64	0.522	100	0.480	136	0.492	172	0.515	208	0.466	244	0.522	280	0.480	316	0.492	352	0.515
29	0.466	65	0.521	101	0.483	137	0.489	173	0.517	209	0.466	245	0.521	281	0.483	317	0.489	353	0.517
30	0.466	66	0.519	102	0.486	138	0.486	174	0.519	210	0.466	246	0.519	282	0.486	318	0.486	354	0.519
31	0.466	67	0.517	103	0.489	139	0.483	175	0.521	211	0.466	247	0.517	283	0.489	319	0.483	355	0.521
32	0.466	68	0.515	104	0.492	140	0.480	176	0.522	212	0.466	248	0.515	284	0.492	320	0.480	356	0.522
33	0.467	69	0.513	105	0.495	141	0.478	177	0.523	213	0.467	249	0.513	285	0.495	321	0.478	357	0.523
34	0.468	70	0.510	106	0.498	142	0.475	178	0.524	214	0.468	250	0.510	286	0.498	322	0.475	358	0.524
35	0.470	71	0.507	107	0.501	143	0.473	179	0.525	215	0.470	251	0.507	287	0.501	323	0.473	359	0.525

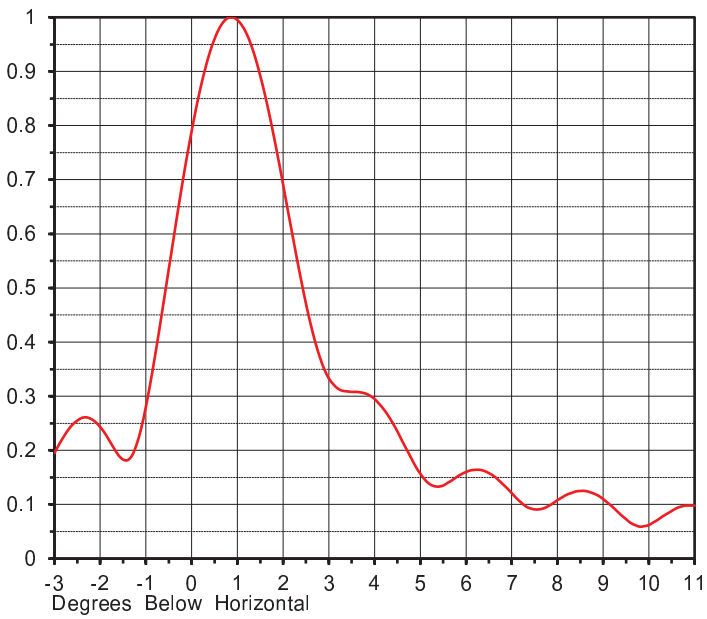
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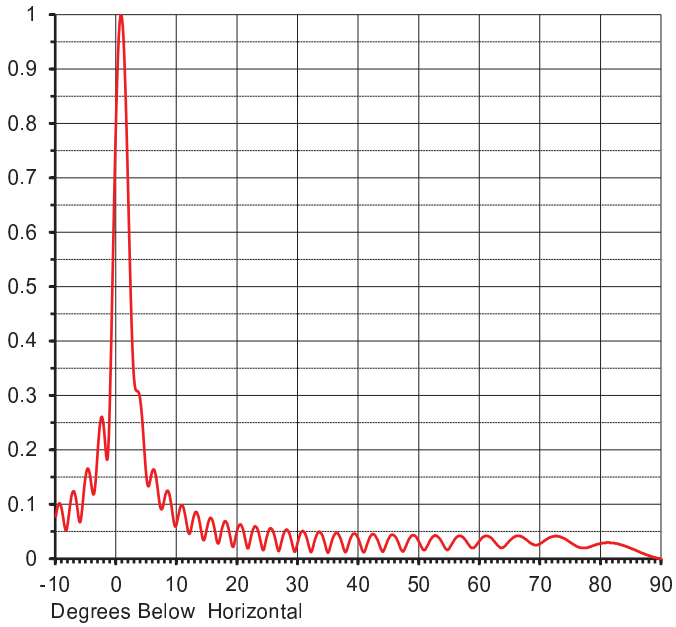
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ELEVATION PATTERN

Proposal No.	**C-70817-2**
Date	**7-Jun-18**
Call Letters	**KOMO**
Channel	**30**
Frequency	**569 MHz**
Antenna Type	**TFU-25ETT/VP-R O6**

RMS Directivity at Main Lobe	**23.3 (13.67 dB)**	Beam Tilt	**0.75 deg**
RMS Directivity at Horizontal	**16.2 (12.10 dB)**	Pattern Number	**25E233075**
	Calculated		





Angle	Field
-10.0	0.078
-9.0	0.090
-8.0	0.067
-7.0	0.124
-6.0	0.067
-5.0	0.157
-4.0	0.126
-3.0	0.211
-2.0	0.232
-1.0	0.326
0.0	0.833
1.0	0.985
2.0	0.645
3.0	0.322
4.0	0.286
5.0	0.146
6.0	0.163
7.0	0.112
8.0	0.113
9.0	0.103

Angle	Field
10.0	0.067
11.0	0.096
12.0	0.046
13.0	0.085
14.0	0.051
15.0	0.059
16.0	0.065
17.0	0.033
18.0	0.069
19.0	0.028
20.0	0.055
21.0	0.049
22.0	0.029
23.0	0.059
24.0	0.022
25.0	0.047
26.0	0.046
27.0	0.019
28.0	0.053
29.0	0.028

Angle	Field
30.0	0.033
31.0	0.049
32.0	0.014
33.0	0.042
34.0	0.043
35.0	0.012
36.0	0.044
37.0	0.037
38.0	0.015
39.0	0.045
40.0	0.035
41.0	0.014
42.0	0.042
43.0	0.037
44.0	0.013
45.0	0.038
46.0	0.041
47.0	0.017
48.0	0.029
49.0	0.043

Angle	Field
50.0	0.030
51.0	0.017
52.0	0.037
53.0	0.041
54.0	0.025
55.0	0.020
56.0	0.038
57.0	0.041
58.0	0.028
59.0	0.020
60.0	0.034
61.0	0.042
62.0	0.037
63.0	0.024
64.0	0.022
65.0	0.034
66.0	0.042
67.0	0.040
68.0	0.032
69.0	0.025

Angle	Field
70.0	0.028
71.0	0.036
72.0	0.041
73.0	0.041
74.0	0.037
75.0	0.030
76.0	0.023
77.0	0.020
78.0	0.021
79.0	0.025
80.0	0.028
81.0	0.030
82.0	0.029
83.0	0.027
84.0	0.023
85.0	0.019
86.0	0.014
87.0	0.010
88.0	0.005
89.0	0.002
90.0	0.000

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