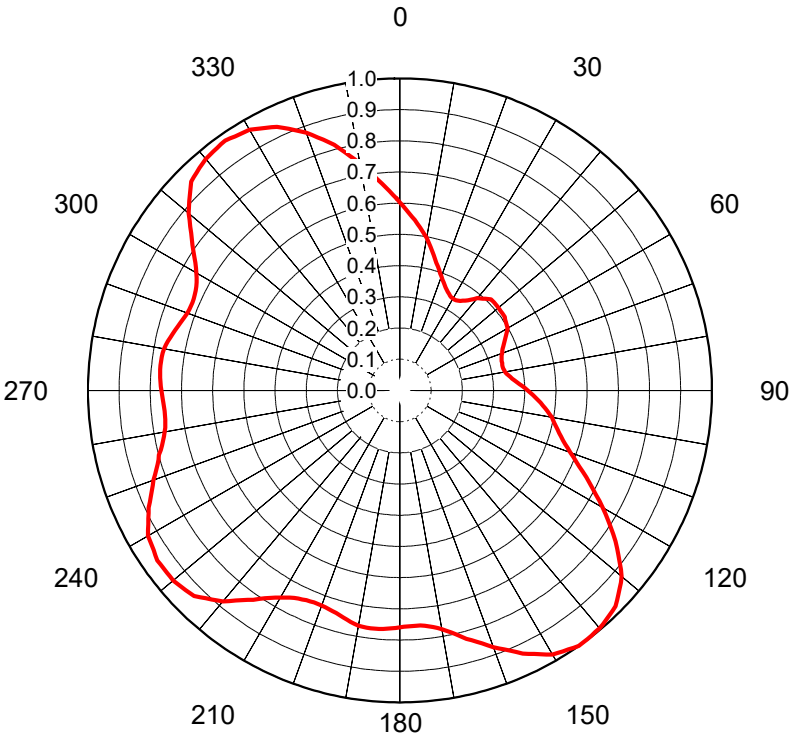
Dielectric®



AZIMUTH PATTERN
Horizontal Polarization

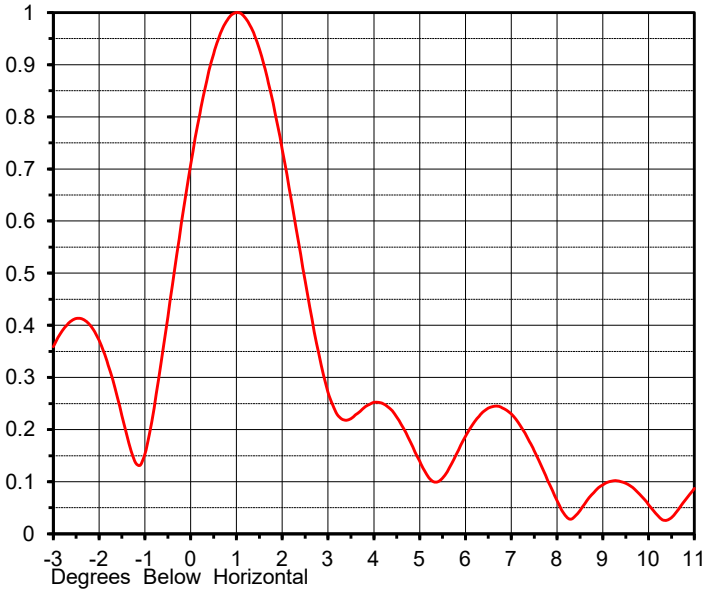
Proposal No.	
Date	**15-May-18**
Call Letters	**New**
Channel	**23**
Frequency	**527 MHz**
Antenna Type	**TUF-C4-12/48H-2**
Gain	**1.85 (2.68dB)**
	Calculated

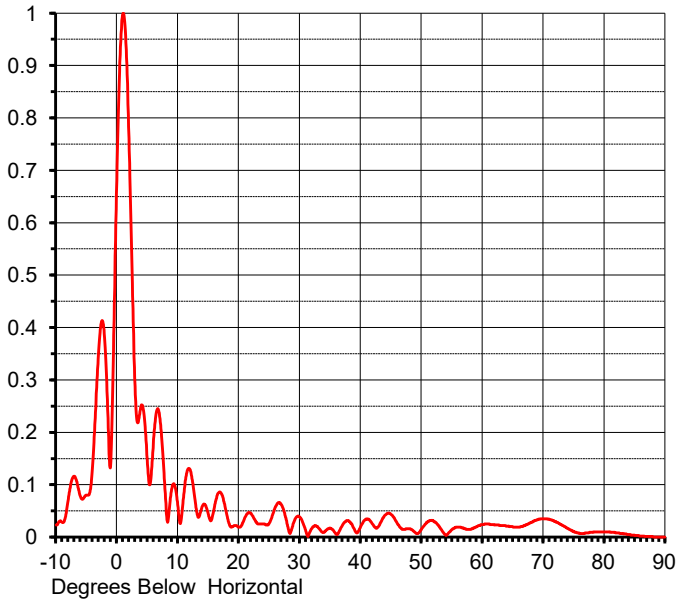
Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.603	36	0.356	72	0.342	108	0.557	144	0.999	180	0.759	216	0.830	252	0.821	288	0.732	324	0.975
1	0.591	37	0.362	73	0.340	109	0.569	145	1.000	181	0.761	217	0.841	253	0.812	289	0.729	325	0.977
2	0.580	38	0.369	74	0.339	110	0.581	146	0.995	182	0.763	218	0.854	254	0.805	290	0.725	326	0.974
3	0.569	39	0.377	75	0.340	111	0.595	147	0.990	183	0.765	219	0.868	255	0.799	291	0.723	327	0.971
4	0.558	40	0.386	76	0.338	112	0.609	148	0.986	184	0.766	220	0.883	256	0.790	292	0.722	328	0.968
5	0.548	41	0.391	77	0.338	113	0.625	149	0.982	185	0.767	221	0.892	257	0.783	293	0.722	329	0.966
6	0.537	42	0.396	78	0.339	114	0.642	150	0.978	186	0.768	222	0.901	258	0.776	294	0.723	330	0.965
7	0.527	43	0.402	79	0.340	115	0.659	151	0.968	187	0.768	223	0.911	259	0.770	295	0.725	331	0.958
8	0.516	44	0.407	80	0.342	116	0.676	152	0.958	188	0.768	224	0.922	260	0.765	296	0.728	332	0.951
9	0.506	45	0.413	81	0.346	117	0.694	153	0.948	189	0.767	225	0.933	261	0.762	297	0.732	333	0.945
10	0.496	46	0.413	82	0.351	118	0.712	154	0.939	190	0.766	226	0.935	262	0.759	298	0.738	334	0.938
11	0.483	47	0.413	83	0.356	119	0.731	155	0.931	191	0.762	227	0.938	263	0.758	299	0.745	335	0.933
12	0.471	48	0.413	84	0.362	120	0.751	156	0.918	192	0.758	228	0.941	264	0.757	300	0.754	336	0.922
13	0.459	49	0.413	85	0.368	121	0.769	157	0.907	193	0.754	229	0.945	265	0.757	301	0.763	337	0.911
14	0.447	50	0.413	86	0.376	122	0.787	158	0.896	194	0.750	230	0.948	266	0.758	302	0.773	338	0.900
15	0.436	51	0.412	87	0.384	123	0.806	159	0.885	195	0.746	231	0.948	267	0.759	303	0.785	339	0.890
16	0.425	52	0.412	88	0.393	124	0.824	160	0.876	196	0.742	232	0.948	268	0.761	304	0.798	340	0.880
17	0.415	53	0.411	89	0.402	125	0.844	161	0.864	197	0.740	233	0.948	269	0.763	305	0.812	341	0.866
18	0.406	54	0.411	90	0.410	126	0.861	162	0.852	198	0.737	234	0.949	270	0.765	306	0.824	342	0.853
19	0.397	55	0.411	91	0.419	127	0.878	163	0.842	199	0.735	235	0.950	271	0.767	307	0.838	343	0.840
20	0.389	56	0.407	92	0.427	128	0.895	164	0.833	200	0.733	236	0.945	272	0.768	308	0.852	344	0.827
21	0.381	57	0.405	93	0.436	129	0.911	165	0.824	201	0.733	237	0.941	273	0.770	309	0.867	345	0.815
22	0.374	58	0.402	94	0.444	130	0.928	166	0.813	202	0.733	238	0.938	274	0.771	310	0.883	346	0.799
23	0.367	59	0.401	95	0.452	131	0.938	167	0.803	203	0.734	239	0.935	275	0.771	311	0.896	347	0.784
24	0.361	60	0.399	96	0.461	132	0.948	168	0.793	204	0.736	240	0.933	276	0.772	312	0.908	348	0.769
25	0.355	61	0.393	97	0.469	133	0.958	169	0.785	205	0.740	241	0.923	277	0.772	313	0.921	349	0.754
26	0.351	62	0.387	98	0.477	134	0.968	170	0.777	206	0.743	242	0.914	278	0.771	314	0.933	350	0.739
27	0.347	63	0.381	99	0.486	135	0.978	171	0.771	207	0.747	243	0.905	279	0.770	315	0.946	351	0.723
28	0.343	64	0.375	100	0.494	136	0.981	172	0.766	208	0.752	244	0.897	280	0.768	316	0.951	352	0.708
29	0.341	65	0.370	101	0.500	137	0.985	173	0.762	209	0.759	245	0.889	281	0.764	317	0.955	353	0.694
30	0.340	66	0.364	102	0.507	138	0.988	174	0.759	210	0.767	246	0.877	282	0.760	318	0.959	354	0.680
31	0.340	67	0.359	103	0.514	139	0.992	175	0.757	211	0.775	247	0.867	283	0.755	319	0.964	355	0.666
32	0.341	68	0.355	104	0.521	140	0.996	176	0.756	212	0.784	248	0.857	284	0.751	320	0.968	356	0.652
33	0.343	69	0.352	105	0.529	141	0.996	177	0.756	213	0.794	249	0.849	285	0.746	321	0.970	357	0.639
34	0.346	70	0.349	106	0.537	142	0.997	178	0.757	214	0.806	250	0.841	286	0.741	322	0.972	358	0.627
35	0.351	71	0.345	107	0.547	143	0.998	179	0.758	215	0.819	251	0.830	287	0.737	323	0.973	359	0.615

ELEVATION PATTERN

Proposal No.	
Date	**15-May-18**
Call Letters	**New**
Channel	**23**
Frequency	**527 MHz**
Antenna Type	**TUF-C4-12/48H-2**

RMS Directivity at Main Lobe	**23.3 (13.67 dB)**	Beam Tilt	**1.00 deg**
RMS Directivity at Horizontal	**11.7 (10.68 dB)**	Pattern Number	**12U233100**
	Calculated		





Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.023	10.0	0.056	30.0	0.038	50.0	0.016	70.0	0.035
-9.0	0.028	11.0	0.087	31.0	0.011	51.0	0.029	71.0	0.034
-8.0	0.073	12.0	0.128	32.0	0.017	52.0	0.030	72.0	0.029
-7.0	0.116	13.0	0.053	33.0	0.018	53.0	0.018	73.0	0.023
-6.0	0.077	14.0	0.059	34.0	0.010	54.0	0.003	74.0	0.016
-5.0	0.080	15.0	0.042	35.0	0.017	55.0	0.015	75.0	0.010
-4.0	0.140	16.0	0.059	36.0	0.005	56.0	0.019	76.0	0.007
-3.0	0.359	17.0	0.085	37.0	0.023	57.0	0.016	77.0	0.008
-2.0	0.371	18.0	0.043	38.0	0.031	58.0	0.015	78.0	0.009
-1.0	0.153	19.0	0.020	39.0	0.013	59.0	0.020	79.0	0.010
0.0	0.708	20.0	0.019	40.0	0.021	60.0	0.024	80.0	0.010
1.0	1.000	21.0	0.038	41.0	0.035	61.0	0.025	81.0	0.009
2.0	0.738	22.0	0.045	42.0	0.024	62.0	0.023	82.0	0.008
3.0	0.272	23.0	0.026	43.0	0.022	63.0	0.022	83.0	0.007
4.0	0.252	24.0	0.025	44.0	0.042	64.0	0.021	84.0	0.005
5.0	0.139	25.0	0.027	45.0	0.043	65.0	0.019	85.0	0.003
6.0	0.187	26.0	0.058	46.0	0.026	66.0	0.019	86.0	0.002
7.0	0.230	27.0	0.061	47.0	0.015	67.0	0.023	87.0	0.001
8.0	0.064	28.0	0.021	48.0	0.016	68.0	0.028	88.0	0.000
9.0	0.094	29.0	0.028	49.0	0.008	69.0	0.033	89.0	0.000
								90.0	0.000