



Date

12 Jun 2008

Call Letters

Channel 21

Location

Customer

Antenna Type

TFU-24GTH 6T130

AZIMUTH PATTERN

Gain

1.30 (1.14 dB)

Frequency

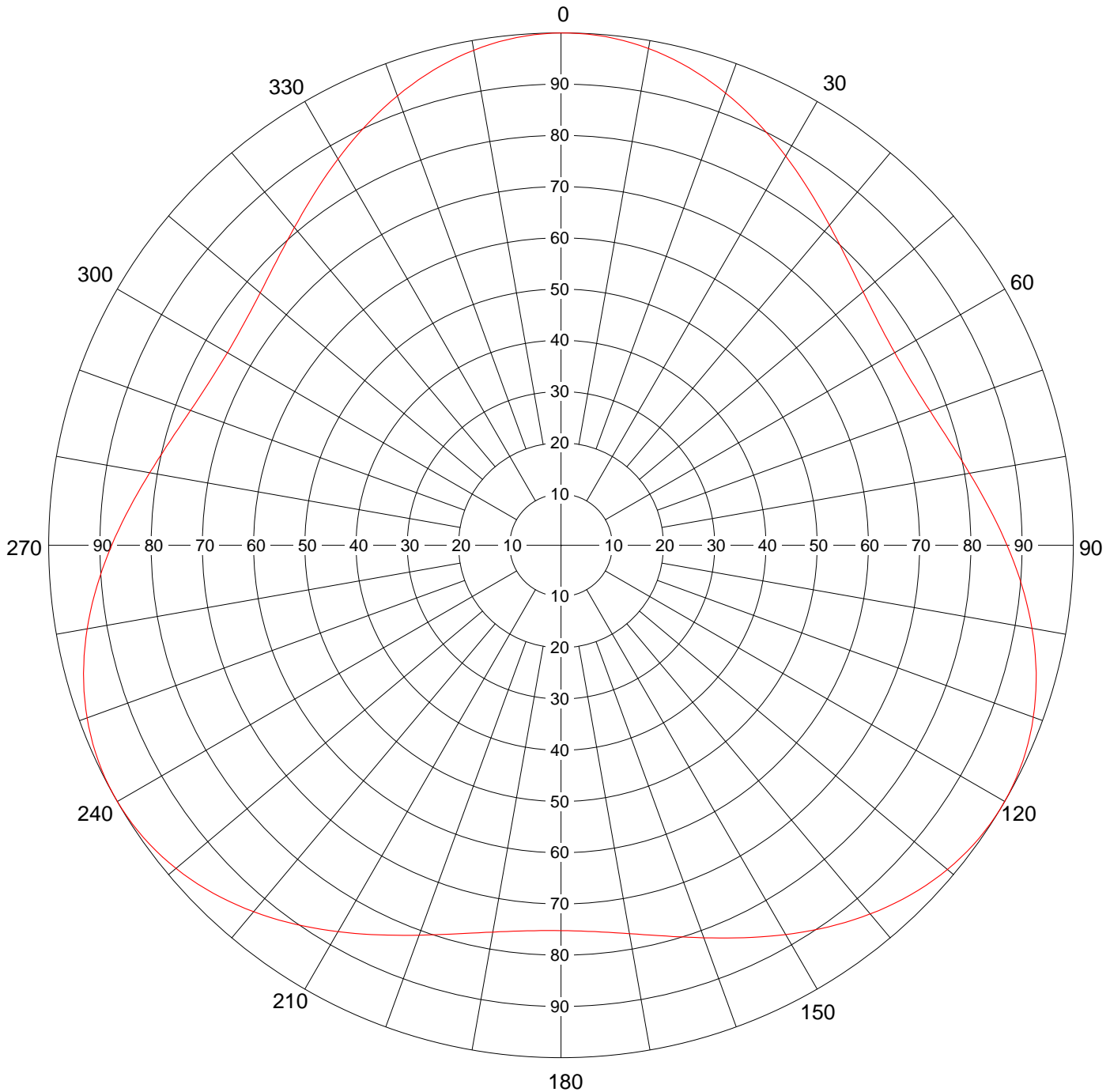
515 MHz

Calculated / Measured

Calculated

Drawing #

TFU-6T130



Remarks:



Date **12 Jun 2008**
Call Letters
Location
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Antenna Type **TFU-24GTH 6T130**
Channel **21**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **TFU-6T130**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	1.000	45	0.789	90	0.871	135	0.965	180	0.752	225	0.960	270	0.877	315	0.785
1	1.000	46	0.785	91	0.877	136	0.960	181	0.752	226	0.965	271	0.871	316	0.790
2	0.999	47	0.781	92	0.884	137	0.955	182	0.752	227	0.969	272	0.864	317	0.794
3	0.999	48	0.777	93	0.890	138	0.950	183	0.753	228	0.973	273	0.858	318	0.799
4	0.998	49	0.773	94	0.897	139	0.945	184	0.754	229	0.978	274	0.851	319	0.804
5	0.996	50	0.770	95	0.903	140	0.939	185	0.755	230	0.981	275	0.845	320	0.810
6	0.995	51	0.766	96	0.909	141	0.934	186	0.757	231	0.985	276	0.839	321	0.815
7	0.993	52	0.764	97	0.916	142	0.928	187	0.759	232	0.987	277	0.833	322	0.821
8	0.990	53	0.761	98	0.922	143	0.922	188	0.761	233	0.990	278	0.827	323	0.827
9	0.988	54	0.759	99	0.928	144	0.915	189	0.764	234	0.993	279	0.821	324	0.833
10	0.984	55	0.757	100	0.933	145	0.909	190	0.767	235	0.995	280	0.815	325	0.839
11	0.981	56	0.755	101	0.939	146	0.903	191	0.770	236	0.996	281	0.810	326	0.845
12	0.977	57	0.754	102	0.945	147	0.897	192	0.773	237	0.998	282	0.804	327	0.851
13	0.974	58	0.753	103	0.950	148	0.890	193	0.777	238	0.999	283	0.799	328	0.858
14	0.969	59	0.752	104	0.955	149	0.884	194	0.781	239	1.000	284	0.794	329	0.864
15	0.965	60	0.752	105	0.960	150	0.877	195	0.785	240	1.000	285	0.789	330	0.871
16	0.960	61	0.752	106	0.965	151	0.871	196	0.790	241	1.000	286	0.785	331	0.877
17	0.955	62	0.752	107	0.969	152	0.864	197	0.794	242	0.999	287	0.781	332	0.884
18	0.950	63	0.753	108	0.973	153	0.858	198	0.799	243	0.999	288	0.777	333	0.890
19	0.945	64	0.754	109	0.978	154	0.851	199	0.804	244	0.998	289	0.773	334	0.897
20	0.939	65	0.755	110	0.981	155	0.845	200	0.810	245	0.996	290	0.770	335	0.903
21	0.934	66	0.757	111	0.985	156	0.839	201	0.815	246	0.995	291	0.766	336	0.909
22	0.928	67	0.759	112	0.987	157	0.833	202	0.821	247	0.993	292	0.764	337	0.916
23	0.922	68	0.761	113	0.990	158	0.827	203	0.827	248	0.990	293	0.761	338	0.922
24	0.915	69	0.764	114	0.993	159	0.821	204	0.833	249	0.988	294	0.759	339	0.928
25	0.909	70	0.767	115	0.995	160	0.815	205	0.839	250	0.984	295	0.757	340	0.933
26	0.903	71	0.770	116	0.996	161	0.810	206	0.845	251	0.981	296	0.755	341	0.939
27	0.897	72	0.773	117	0.998	162	0.804	207	0.851	252	0.977	297	0.754	342	0.945
28	0.890	73	0.777	118	0.999	163	0.799	208	0.858	253	0.974	298	0.753	343	0.950
29	0.884	74	0.781	119	1.000	164	0.794	209	0.864	254	0.969	299	0.752	344	0.955
30	0.877	75	0.785	120	1.000	165	0.789	210	0.871	255	0.965	300	0.752	345	0.960
31	0.871	76	0.790	121	1.000	166	0.785	211	0.877	256	0.960	301	0.752	346	0.965
32	0.864	77	0.794	122	0.999	167	0.781	212	0.884	257	0.955	302	0.752	347	0.969
33	0.858	78	0.799	123	0.999	168	0.777	213	0.890	258	0.950	303	0.753	348	0.973
34	0.851	79	0.804	124	0.998	169	0.773	214	0.897	259	0.945	304	0.754	349	0.978
35	0.845	80	0.810	125	0.996	170	0.770	215	0.903	260	0.939	305	0.755	350	0.981
36	0.839	81	0.815	126	0.995	171	0.766	216	0.909	261	0.934	306	0.757	351	0.985
37	0.833	82	0.821	127	0.993	172	0.764	217	0.916	262	0.928	307	0.759	352	0.987
38	0.827	83	0.827	128	0.990	173	0.761	218	0.922	263	0.922	308	0.761	353	0.990
39	0.821	84	0.833	129	0.988	174	0.759	219	0.928	264	0.915	309	0.764	354	0.993
40	0.815	85	0.839	130	0.984	175	0.757	220	0.933	265	0.909	310	0.767	355	0.995
41	0.810	86	0.845	131	0.981	176	0.755	221	0.939	266	0.903	311	0.770	356	0.996
42	0.804	87	0.851	132	0.977	177	0.754	222	0.945	267	0.897	312	0.773	357	0.998
43	0.799	88	0.858	133	0.974	178	0.753	223	0.950	268	0.890	313	0.777	358	0.999
44	0.794	89	0.864	134	0.969	179	0.752	224	0.955	269	0.884	314	0.781	359	1.000

Remarks:



Date

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Location

Customer

Antenna Type

TFU-24GTH 6T130

ELEVATION PATTERN

RMS Gain at Main Lobe

21.5 (13.32 dB)

Beam Tilt

0.75 Degrees

RMS Gain at Horizontal

17.3 (12.38 dB)

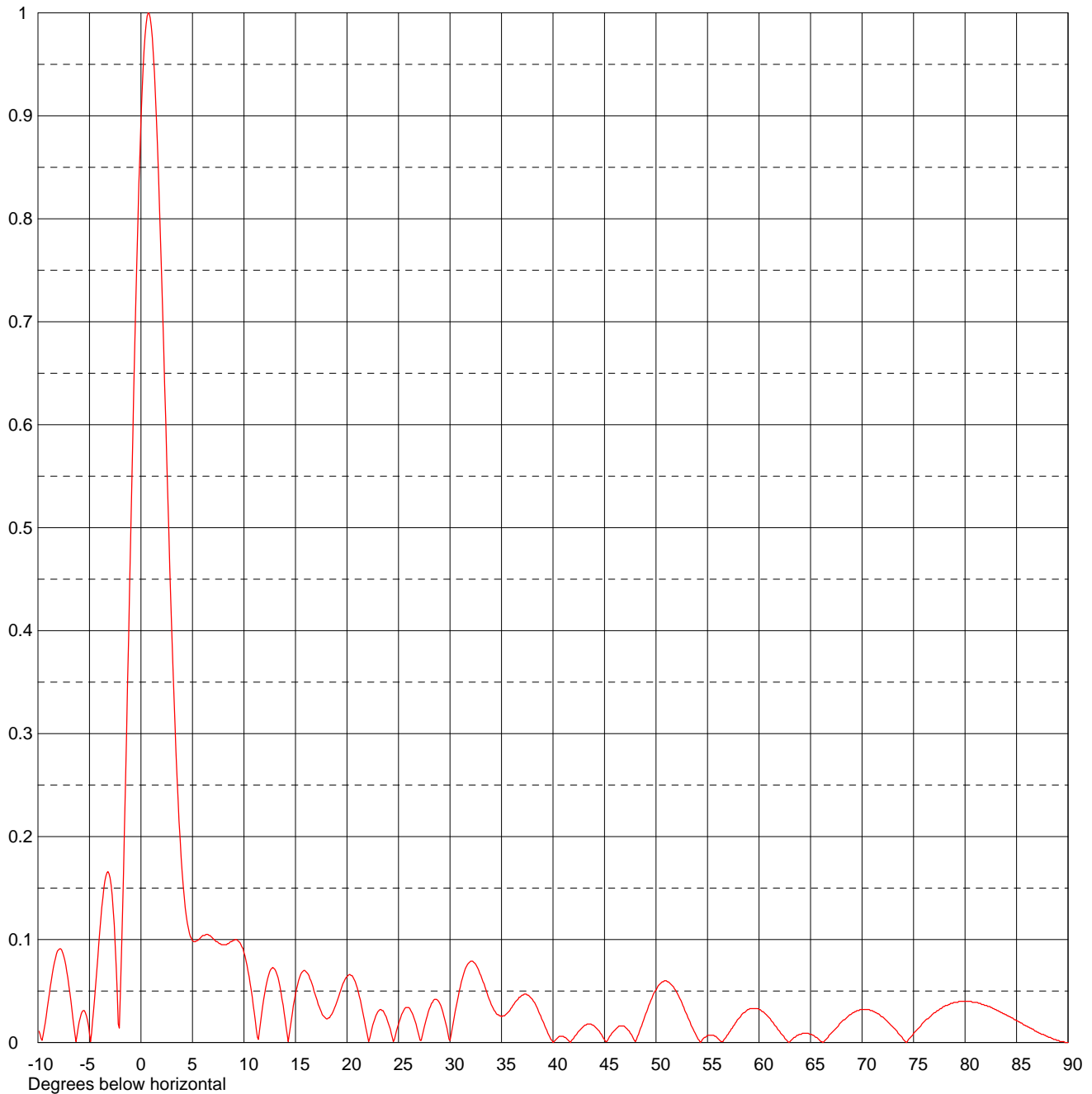
Frequency

515.00 MHz

Calculated / Measured

Calculated

Drawing #

24G215075-90

Remarks:



Date

12 Jun 2008

Call Letters

Channel 21

Location

Customer

Antenna Type

TFU-24GTH 6T130

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #

24G215075-90

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.014	2.4	0.603	10.6	0.057	30.5	0.030	51.0	0.060	71.5	0.028
-9.5	0.007	2.6	0.531	10.8	0.044	31.0	0.054	51.5	0.056	72.0	0.025
-9.0	0.040	2.8	0.461	11.0	0.029	31.5	0.072	52.0	0.049	72.5	0.020
-8.5	0.073	3.0	0.396	11.5	0.011	32.0	0.079	52.5	0.039	73.0	0.015
-8.0	0.090	3.2	0.336	12.0	0.047	32.5	0.076	53.0	0.027	73.5	0.009
-7.5	0.084	3.4	0.282	12.5	0.069	33.0	0.065	53.5	0.015	74.0	0.003
-7.0	0.055	3.6	0.236	13.0	0.071	33.5	0.051	54.0	0.005	74.5	0.003
-6.5	0.015	3.8	0.197	13.5	0.054	34.0	0.037	54.5	0.003	75.0	0.009
-6.0	0.020	4.0	0.165	14.0	0.022	34.5	0.028	55.0	0.007	75.5	0.014
-5.5	0.031	4.2	0.141	14.5	0.015	35.0	0.025	55.5	0.007	76.0	0.020
-5.0	0.009	4.4	0.123	15.0	0.047	35.5	0.028	56.0	0.004	76.5	0.024
-4.5	0.043	4.6	0.111	15.5	0.066	36.0	0.034	56.5	0.001	77.0	0.029
-4.0	0.108	4.8	0.103	16.0	0.069	36.5	0.041	57.0	0.008	77.5	0.032
-3.5	0.157	5.0	0.099	16.5	0.060	37.0	0.046	57.5	0.016	78.0	0.035
-3.0	0.160	5.2	0.098	17.0	0.044	37.5	0.046	58.0	0.023	78.5	0.037
-2.8	0.143	5.4	0.099	17.5	0.030	38.0	0.042	58.5	0.029	79.0	0.039
-2.6	0.114	5.6	0.100	18.0	0.023	38.5	0.033	59.0	0.032	79.5	0.040
-2.4	0.072	5.8	0.102	18.5	0.027	39.0	0.021	59.5	0.033	80.0	0.040
-2.2	0.018	6.0	0.104	19.0	0.039	39.5	0.009	60.0	0.032	80.5	0.040
-2.0	0.048	6.2	0.104	19.5	0.054	40.0	0.000	60.5	0.029	81.0	0.039
-1.8	0.124	6.4	0.105	20.0	0.064	40.5	0.005	61.0	0.024	81.5	0.038
-1.6	0.209	6.6	0.104	20.5	0.065	41.0	0.006	61.5	0.017	82.0	0.036
-1.4	0.300	6.8	0.103	21.0	0.053	41.5	0.002	62.0	0.011	82.5	0.034
-1.2	0.395	7.0	0.101	21.5	0.031	42.0	0.004	62.5	0.004	83.0	0.032
-1.0	0.491	7.2	0.099	22.0	0.006	42.5	0.011	63.0	0.001	83.5	0.029
-0.8	0.586	7.4	0.098	22.5	0.017	43.0	0.016	63.5	0.005	84.0	0.027
-0.6	0.677	7.6	0.096	23.0	0.030	43.5	0.018	64.0	0.008	84.5	0.024
-0.4	0.760	7.8	0.095	23.5	0.031	44.0	0.016	64.5	0.009	85.0	0.021
-0.2	0.834	8.0	0.095	24.0	0.019	44.5	0.011	65.0	0.008	85.5	0.019
0.0	0.896	8.2	0.095	24.5	0.001	45.0	0.003	65.5	0.005	86.0	0.016
0.2	0.945	8.4	0.096	25.0	0.018	45.5	0.006	66.0	0.001	86.5	0.013
0.4	0.978	8.6	0.097	25.5	0.031	46.0	0.012	66.5	0.003	87.0	0.010
0.6	0.997	8.8	0.098	26.0	0.034	46.5	0.016	67.0	0.009	87.5	0.008
0.8	0.999	9.0	0.099	26.5	0.024	47.0	0.015	67.5	0.014	88.0	0.006
1.0	0.987	9.2	0.100	27.0	0.006	47.5	0.009	68.0	0.020	88.5	0.004
1.2	0.961	9.4	0.099	27.5	0.015	48.0	0.001	68.5	0.024	89.0	0.002
1.4	0.921	9.6	0.097	28.0	0.033	48.5	0.014	69.0	0.028	89.5	0.001
1.6	0.871	9.8	0.093	28.5	0.042	49.0	0.028	69.5	0.031	90.0	0.000
1.8	0.812	10.0	0.087	29.0	0.038	49.5	0.041	70.0	0.032		
2.0	0.746	10.2	0.079	29.5	0.022	50.0	0.051	70.5	0.032		
2.2	0.675	10.4	0.069	30.0	0.002	50.5	0.058	71.0	0.031		

Remarks: