

Date
Call Letters
Location
Customer
Antenna Type

03 Sep 2008

Channel **8**

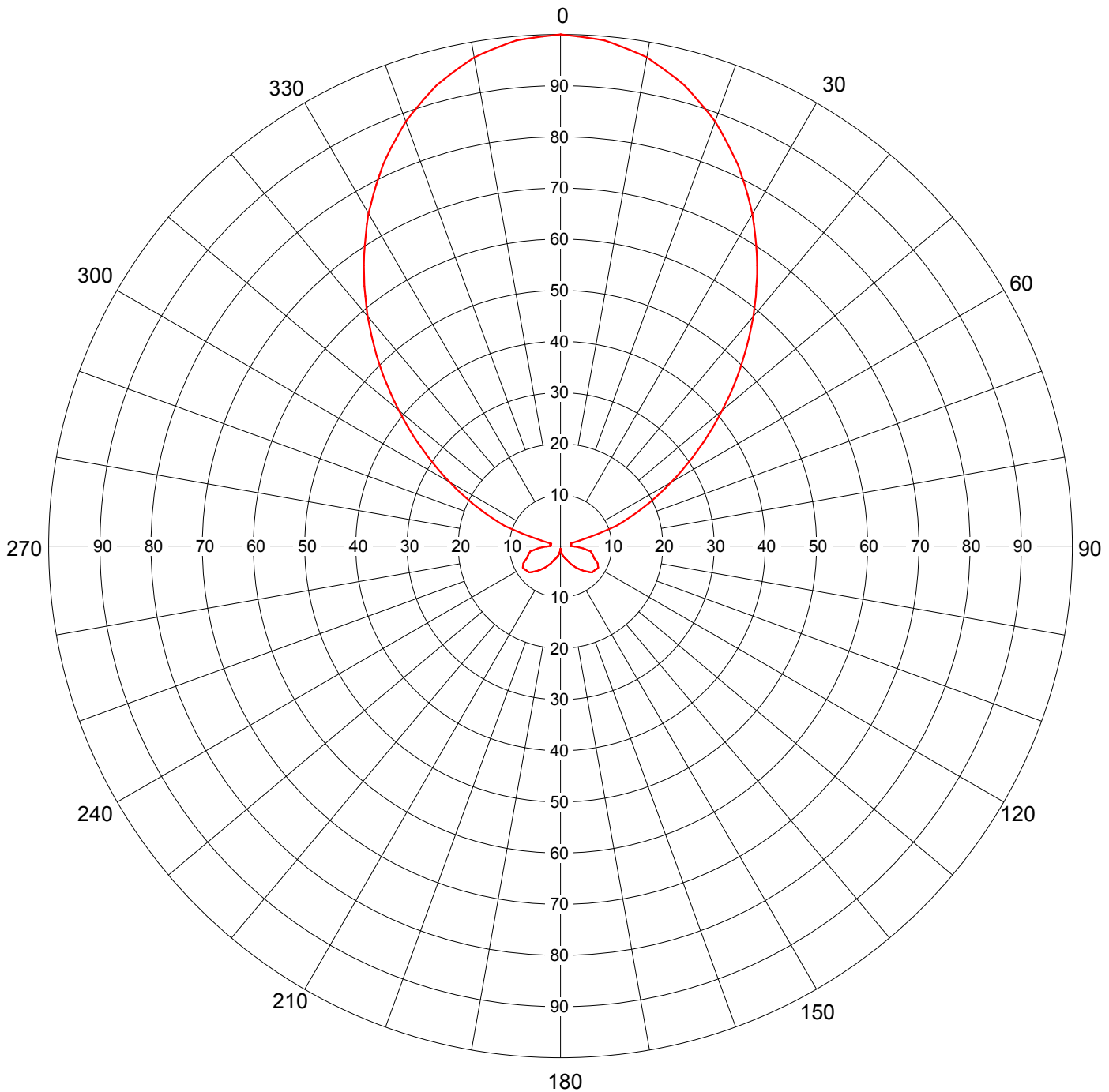
AZIMUTH PATTERN

Gain
Calculated / Measured

5.30 (7.24 dB)
Calculated

Frequency
Drawing #

183 MHz
THA-S1-H



Remarks:



Date

03 Sep 2008

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Antenna Type

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **THA-S1-H**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	1.000	45	0.499	90	0.020	135	0.070	180	0.005	225	0.070	270	0.020	315	0.499
1	0.998	46	0.482	91	0.024	136	0.068	181	0.006	226	0.072	271	0.020	316	0.516
2	0.997	47	0.464	92	0.028	137	0.066	182	0.007	227	0.074	272	0.020	317	0.534
3	0.995	48	0.447	93	0.032	138	0.064	183	0.008	228	0.076	273	0.020	318	0.551
4	0.994	49	0.429	94	0.036	139	0.062	184	0.009	229	0.078	274	0.020	319	0.569
5	0.992	50	0.412	95	0.040	140	0.060	185	0.010	230	0.080	275	0.020	320	0.586
6	0.988	51	0.395	96	0.044	141	0.058	186	0.011	231	0.080	276	0.020	321	0.603
7	0.983	52	0.378	97	0.048	142	0.056	187	0.012	232	0.081	277	0.020	322	0.620
8	0.979	53	0.362	98	0.052	143	0.054	188	0.013	233	0.081	278	0.020	323	0.636
9	0.974	54	0.345	99	0.056	144	0.052	189	0.014	234	0.082	279	0.020	324	0.653
10	0.970	55	0.328	100	0.060	145	0.050	190	0.015	235	0.082	280	0.020	325	0.670
11	0.963	56	0.312	101	0.061	146	0.048	191	0.016	236	0.083	281	0.020	326	0.686
12	0.955	57	0.296	102	0.062	147	0.046	192	0.017	237	0.083	282	0.020	327	0.702
13	0.948	58	0.281	103	0.063	148	0.044	193	0.018	238	0.084	283	0.020	328	0.718
14	0.940	59	0.265	104	0.064	149	0.042	194	0.019	239	0.084	284	0.020	329	0.734
15	0.933	60	0.249	105	0.065	150	0.040	195	0.020	240	0.085	285	0.020	330	0.750
16	0.923	61	0.235	106	0.066	151	0.038	196	0.021	241	0.084	286	0.039	331	0.764
17	0.913	62	0.221	107	0.067	152	0.036	197	0.022	242	0.083	287	0.058	332	0.778
18	0.903	63	0.206	108	0.068	153	0.034	198	0.023	243	0.082	288	0.078	333	0.793
19	0.893	64	0.192	109	0.069	154	0.032	199	0.024	244	0.081	289	0.097	334	0.807
20	0.883	65	0.178	110	0.070	155	0.030	200	0.025	245	0.080	290	0.116	335	0.821
21	0.871	66	0.166	111	0.072	156	0.029	201	0.026	246	0.078	291	0.128	336	0.833
22	0.858	67	0.153	112	0.074	157	0.028	202	0.027	247	0.076	292	0.141	337	0.846
23	0.846	68	0.141	113	0.076	158	0.027	203	0.028	248	0.074	293	0.153	338	0.858
24	0.833	69	0.128	114	0.078	159	0.026	204	0.029	249	0.072	294	0.166	339	0.871
25	0.821	70	0.116	115	0.080	160	0.025	205	0.030	250	0.070	295	0.178	340	0.883
26	0.807	71	0.097	116	0.081	161	0.024	206	0.032	251	0.069	296	0.192	341	0.893
27	0.793	72	0.078	117	0.082	162	0.023	207	0.034	252	0.068	297	0.206	342	0.903
28	0.778	73	0.058	118	0.083	163	0.022	208	0.036	253	0.067	298	0.221	343	0.913
29	0.764	74	0.039	119	0.084	164	0.021	209	0.038	254	0.066	299	0.235	344	0.923
30	0.750	75	0.020	120	0.085	165	0.020	210	0.040	255	0.065	300	0.249	345	0.933
31	0.734	76	0.020	121	0.084	166	0.019	211	0.042	256	0.064	301	0.265	346	0.940
32	0.718	77	0.020	122	0.084	167	0.018	212	0.044	257	0.063	302	0.281	347	0.948
33	0.702	78	0.020	123	0.083	168	0.017	213	0.046	258	0.062	303	0.296	348	0.955
34	0.686	79	0.020	124	0.083	169	0.016	214	0.048	259	0.061	304	0.312	349	0.963
35	0.670	80	0.020	125	0.082	170	0.015	215	0.050	260	0.060	305	0.328	350	0.970
36	0.653	81	0.020	126	0.082	171	0.014	216	0.052	261	0.056	306	0.345	351	0.974
37	0.636	82	0.020	127	0.081	172	0.013	217	0.054	262	0.052	307	0.362	352	0.979
38	0.620	83	0.020	128	0.081	173	0.012	218	0.056	263	0.048	308	0.378	353	0.983
39	0.603	84	0.020	129	0.080	174	0.011	219	0.058	264	0.044	309	0.395	354	0.988
40	0.586	85	0.020	130	0.080	175	0.010	220	0.060	265	0.040	310	0.412	355	0.992
41	0.569	86	0.020	131	0.078	176	0.009	221	0.062	266	0.036	311	0.429	356	0.994
42	0.551	87	0.020	132	0.076	177	0.008	222	0.064	267	0.032	312	0.447	357	0.995
43	0.534	88	0.020	133	0.074	178	0.007	223	0.066	268	0.028	313	0.464	358	0.997
44	0.516	89	0.020	134	0.072	179	0.006	224	0.068	269	0.024	314	0.482	359	0.998

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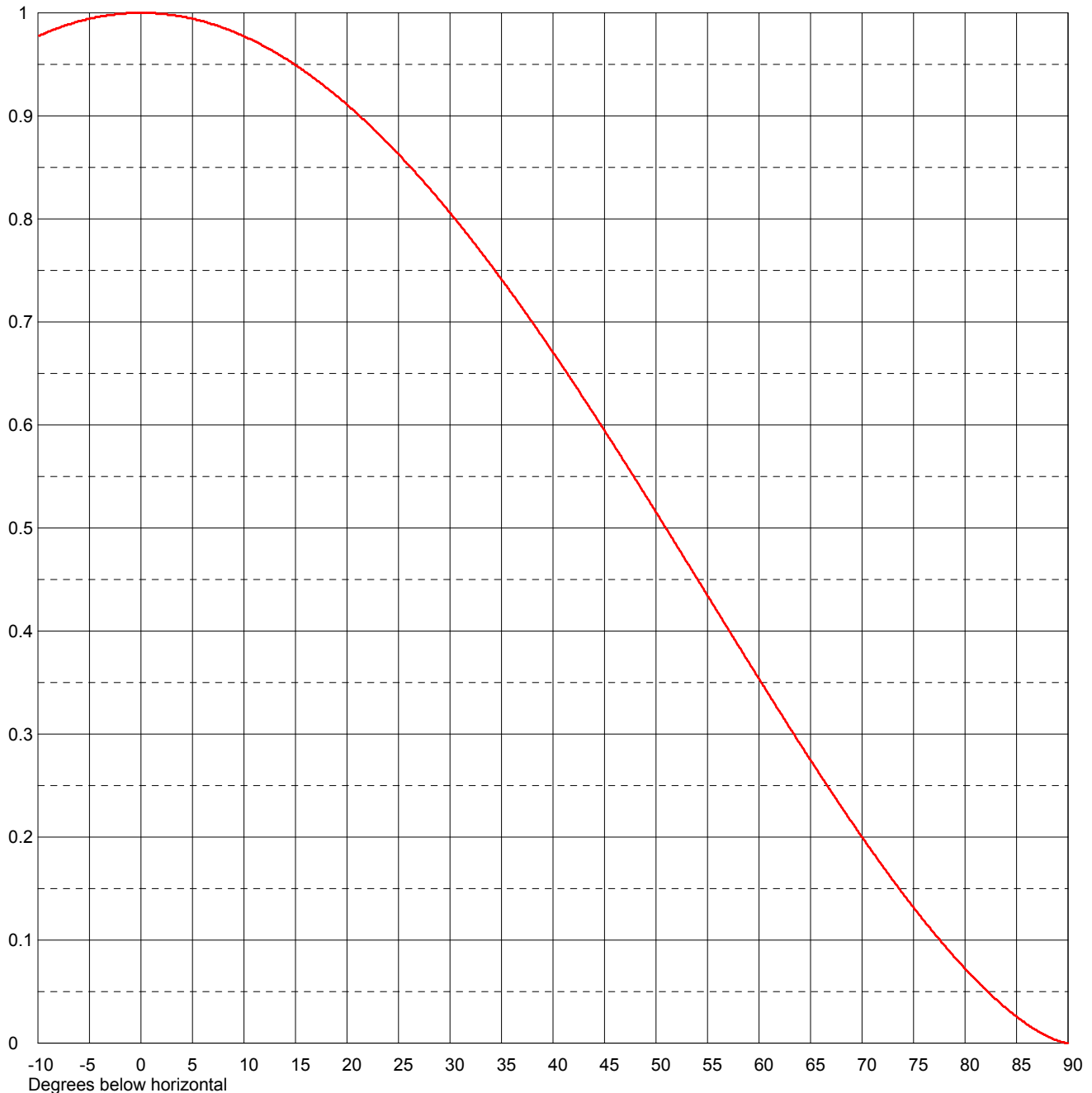
ELEVATION PATTERN

RMS Gain at Main Lobe
RMS Gain at Horizontal
Calculated / Measured

1.1 (0.41 dB)
1.1 (0.41 dB)
Calculated

Beam Tilt
Frequency
Drawing #

0.00 Degrees
183.00 MHz
01H011000-90



Remarks:



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Channel 8

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Antenna Type

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # 01H011000-90

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.977	2.4	0.999	10.6	0.975	30.5	0.800	51.0	0.499	71.5	0.179
-9.5	0.979	2.6	0.998	10.8	0.974	31.0	0.794	51.5	0.491	72.0	0.172
-9.0	0.982	2.8	0.998	11.0	0.973	31.5	0.787	52.0	0.483	72.5	0.165
-8.5	0.984	3.0	0.998	11.5	0.970	32.0	0.781	52.5	0.475	73.0	0.158
-8.0	0.985	3.2	0.998	12.0	0.967	32.5	0.775	53.0	0.467	73.5	0.151
-7.5	0.987	3.4	0.997	12.5	0.965	33.0	0.768	53.5	0.459	74.0	0.145
-7.0	0.989	3.6	0.997	13.0	0.962	33.5	0.761	54.0	0.451	74.5	0.138
-6.5	0.990	3.8	0.997	13.5	0.959	34.0	0.755	54.5	0.443	75.0	0.132
-6.0	0.992	4.0	0.996	14.0	0.956	34.5	0.748	55.0	0.434	75.5	0.125
-5.5	0.993	4.2	0.996	14.5	0.953	35.0	0.741	55.5	0.426	76.0	0.119
-5.0	0.994	4.4	0.996	15.0	0.949	35.5	0.735	56.0	0.418	76.5	0.113
-4.5	0.995	4.6	0.995	15.5	0.946	36.0	0.728	56.5	0.410	77.0	0.107
-4.0	0.996	4.8	0.995	16.0	0.942	36.5	0.721	57.0	0.402	77.5	0.101
-3.5	0.997	5.0	0.994	16.5	0.939	37.0	0.714	57.5	0.394	78.0	0.095
-3.0	0.998	5.2	0.994	17.0	0.935	37.5	0.707	58.0	0.386	78.5	0.089
-2.8	0.998	5.4	0.993	17.5	0.931	38.0	0.700	58.5	0.378	79.0	0.083
-2.6	0.998	5.6	0.993	18.0	0.927	38.5	0.692	59.0	0.370	79.5	0.078
-2.4	0.999	5.8	0.992	18.5	0.923	39.0	0.685	59.5	0.362	80.0	0.072
-2.2	0.999	6.0	0.992	19.0	0.919	39.5	0.678	60.0	0.354	80.5	0.067
-2.0	0.999	6.2	0.991	19.5	0.915	40.0	0.670	60.5	0.346	81.0	0.062
-1.8	0.999	6.4	0.991	20.0	0.911	40.5	0.663	61.0	0.338	81.5	0.057
-1.6	0.999	6.6	0.990	20.5	0.907	41.0	0.656	61.5	0.330	82.0	0.052
-1.4	1.000	6.8	0.989	21.0	0.902	41.5	0.648	62.0	0.322	82.5	0.047
-1.2	1.000	7.0	0.989	21.5	0.897	42.0	0.641	62.5	0.314	83.0	0.043
-1.0	1.000	7.2	0.988	22.0	0.893	42.5	0.633	63.0	0.306	83.5	0.038
-0.8	1.000	7.4	0.988	22.5	0.888	43.0	0.625	63.5	0.298	84.0	0.034
-0.6	1.000	7.6	0.987	23.0	0.883	43.5	0.618	64.0	0.290	84.5	0.030
-0.4	1.000	7.8	0.986	23.5	0.878	44.0	0.610	64.5	0.282	85.0	0.026
-0.2	1.000	8.0	0.985	24.0	0.873	44.5	0.602	65.0	0.275	85.5	0.022
0.0	1.000	8.2	0.985	24.5	0.868	45.0	0.595	65.5	0.267	86.0	0.018
0.2	1.000	8.4	0.984	25.0	0.863	45.5	0.587	66.0	0.259	86.5	0.015
0.4	1.000	8.6	0.983	25.5	0.857	46.0	0.579	66.5	0.252	87.0	0.012
0.6	1.000	8.8	0.982	26.0	0.852	46.5	0.571	67.0	0.244	87.5	0.009
0.8	1.000	9.0	0.982	26.5	0.847	47.0	0.563	67.5	0.237	88.0	0.007
1.0	1.000	9.2	0.981	27.0	0.841	47.5	0.555	68.0	0.229	88.5	0.004
1.2	1.000	9.4	0.980	27.5	0.835	48.0	0.547	68.5	0.222	89.0	0.002
1.4	1.000	9.6	0.979	28.0	0.830	48.5	0.539	69.0	0.215	89.5	0.001
1.6	0.999	9.8	0.978	28.5	0.824	49.0	0.531	69.5	0.207	90.0	0.000
1.8	0.999	10.0	0.977	29.0	0.818	49.5	0.523	70.0	0.200		
2.0	0.999	10.2	0.976	29.5	0.812	50.0	0.515	70.5	0.193		
2.2	0.999	10.4	0.975	30.0	0.806	50.5	0.507	71.0	0.186		

Remarks: