



Date
Call Letters
Location
Customer
Antenna Type

13 May 2015

KOHD

Channel 18

Bend, OR

TDS Broadcasting LLC

TFU-12DSB-M

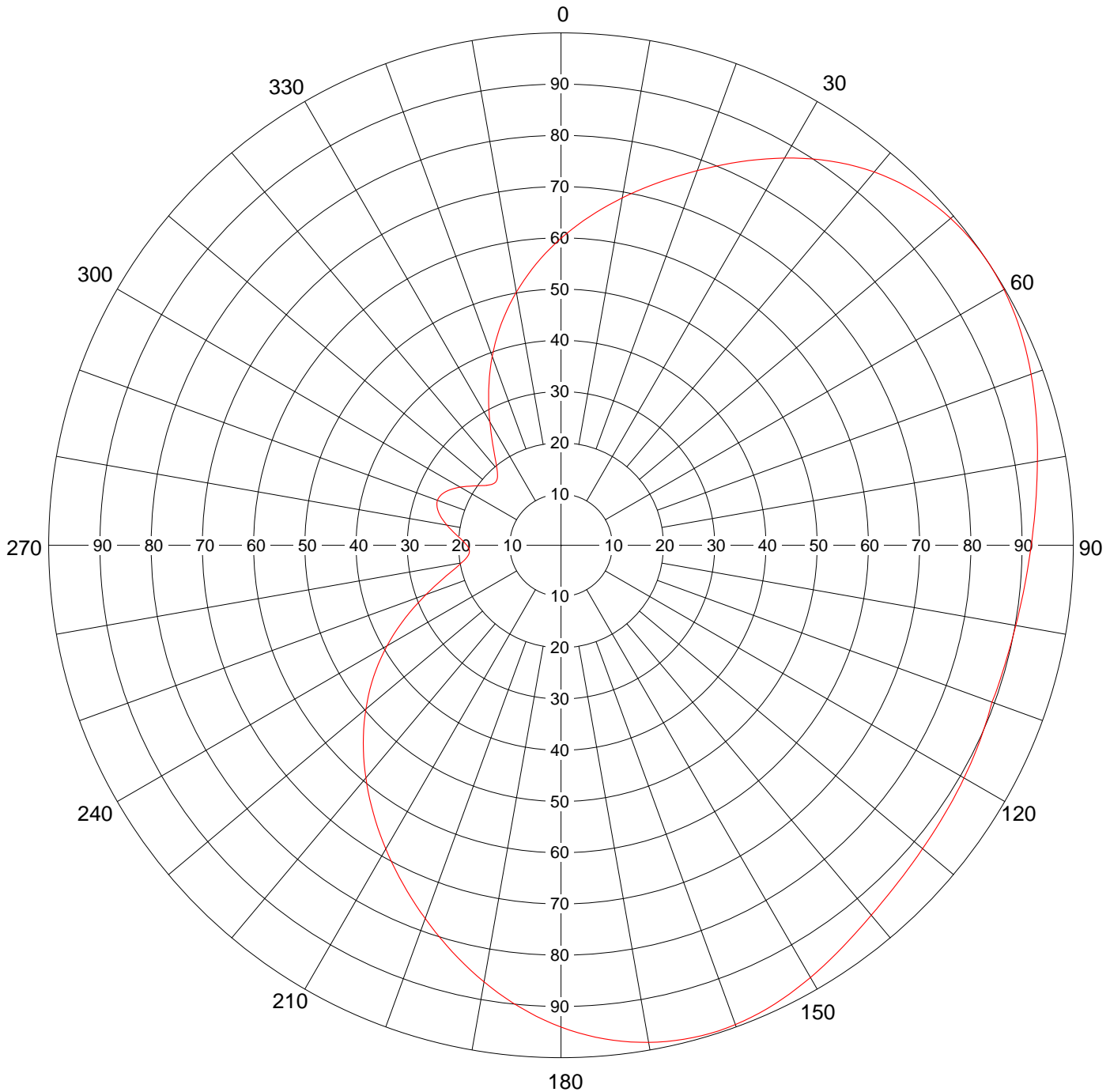
AZIMUTH PATTERN

Gain
Calculated / Measured

1.90 (2.79 dB)
Calculated

Frequency
Drawing #

497 MHz
DSB-M



Remarks:



Date **13 May 2015**
 Call Letters **KOHD** Channel **18**
 Location **Bend, OR**
 Customer **TDS Broadcasting LLC**
 Antenna Type **TFU-12DSB-M**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing # **DSB-M**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.599	45	0.977	90	0.918	135	0.930	180	0.940	225	0.546	270	0.184	315	0.178
1	0.608	46	0.981	91	0.916	136	0.932	181	0.934	226	0.536	271	0.187	316	0.180
2	0.617	47	0.984	92	0.914	137	0.935	182	0.927	227	0.527	272	0.190	317	0.182
3	0.626	48	0.987	93	0.912	138	0.937	183	0.920	228	0.517	273	0.194	318	0.185
4	0.635	49	0.990	94	0.910	139	0.940	184	0.913	229	0.507	274	0.198	319	0.189
5	0.644	50	0.993	95	0.908	140	0.942	185	0.906	230	0.497	275	0.202	320	0.194
6	0.653	51	0.995	96	0.907	141	0.945	186	0.898	231	0.487	276	0.207	321	0.200
7	0.662	52	0.996	97	0.905	142	0.948	187	0.890	232	0.477	277	0.211	322	0.206
8	0.671	53	0.998	98	0.904	143	0.951	188	0.882	233	0.467	278	0.216	323	0.214
9	0.680	54	0.999	99	0.903	144	0.954	189	0.874	234	0.457	279	0.221	324	0.221
10	0.688	55	1.000	100	0.901	145	0.958	190	0.865	235	0.446	280	0.226	325	0.229
11	0.697	56	1.000	101	0.900	146	0.961	191	0.857	236	0.436	281	0.231	326	0.238
12	0.706	57	1.000	102	0.899	147	0.964	192	0.848	237	0.425	282	0.235	327	0.248
13	0.715	58	1.000	103	0.899	148	0.967	193	0.839	238	0.414	283	0.240	328	0.257
14	0.724	59	0.999	104	0.898	149	0.971	194	0.830	239	0.403	284	0.244	329	0.267
15	0.733	60	0.998	105	0.897	150	0.974	195	0.821	240	0.392	285	0.247	330	0.278
16	0.742	61	0.997	106	0.897	151	0.977	196	0.812	241	0.381	286	0.250	331	0.289
17	0.751	62	0.996	107	0.896	152	0.980	197	0.803	242	0.370	287	0.253	332	0.300
18	0.760	63	0.994	108	0.896	153	0.983	198	0.794	243	0.358	288	0.255	333	0.311
19	0.769	64	0.992	109	0.896	154	0.985	199	0.784	244	0.347	289	0.256	334	0.322
20	0.778	65	0.990	110	0.895	155	0.988	200	0.775	245	0.335	290	0.257	335	0.334
21	0.788	66	0.987	111	0.897	156	0.990	201	0.766	246	0.324	291	0.256	336	0.346
22	0.797	67	0.985	112	0.898	157	0.992	202	0.757	247	0.313	292	0.255	337	0.357
23	0.807	68	0.982	113	0.900	158	0.993	203	0.748	248	0.302	293	0.253	338	0.369
24	0.816	69	0.979	114	0.901	159	0.994	204	0.739	249	0.291	294	0.251	339	0.381
25	0.826	70	0.976	115	0.902	160	0.995	205	0.730	250	0.280	295	0.248	340	0.393
26	0.835	71	0.973	116	0.904	161	0.996	206	0.720	251	0.270	296	0.245	341	0.404
27	0.845	72	0.970	117	0.905	162	0.996	207	0.711	252	0.260	297	0.241	342	0.415
28	0.854	73	0.967	118	0.906	163	0.996	208	0.702	253	0.250	298	0.236	343	0.427
29	0.863	74	0.964	119	0.907	164	0.996	209	0.693	254	0.241	299	0.232	344	0.438
30	0.873	75	0.960	120	0.908	165	0.995	210	0.684	255	0.232	300	0.227	345	0.449
31	0.882	76	0.957	121	0.910	166	0.993	211	0.675	256	0.224	301	0.222	346	0.460
32	0.890	77	0.954	122	0.911	167	0.992	212	0.666	257	0.216	302	0.217	347	0.470
33	0.899	78	0.951	123	0.912	168	0.990	213	0.657	258	0.209	303	0.212	348	0.481
34	0.907	79	0.947	124	0.913	169	0.988	214	0.648	259	0.203	304	0.207	349	0.491
35	0.916	80	0.944	125	0.914	170	0.985	215	0.639	260	0.197	305	0.202	350	0.502
36	0.923	81	0.941	126	0.916	171	0.982	216	0.630	261	0.192	306	0.198	351	0.512
37	0.931	82	0.938	127	0.917	172	0.979	217	0.620	262	0.188	307	0.194	352	0.522
38	0.938	83	0.935	128	0.918	173	0.975	218	0.611	263	0.184	308	0.190	353	0.532
39	0.945	84	0.933	129	0.920	174	0.971	219	0.602	264	0.182	309	0.186	354	0.542
40	0.951	85	0.930	130	0.921	175	0.967	220	0.593	265	0.180	310	0.183	355	0.552
41	0.957	86	0.927	131	0.923	176	0.962	221	0.583	266	0.179	311	0.181	356	0.561
42	0.963	87	0.925	132	0.925	177	0.957	222	0.574	267	0.179	312	0.179	357	0.571
43	0.968	88	0.922	133	0.926	178	0.952	223	0.565	268	0.180	313	0.178	358	0.580
44	0.972	89	0.920	134	0.928	179	0.946	224	0.555	269	0.182	314	0.178	359	0.590

Remarks:



Date

13 May 2015

Call Letters

KOHD

Channel

18

Location

Bend, OR

Customer

TDS Broadcasting LLC

Antenna Type

TFU-12DSB-M

ELEVATION PATTERN

RMS Gain at Main Lobe

12.0 (10.79 dB)

Beam Tilt

1.00 Degrees

RMS Gain at Horizontal

10.1 (10.04 dB)

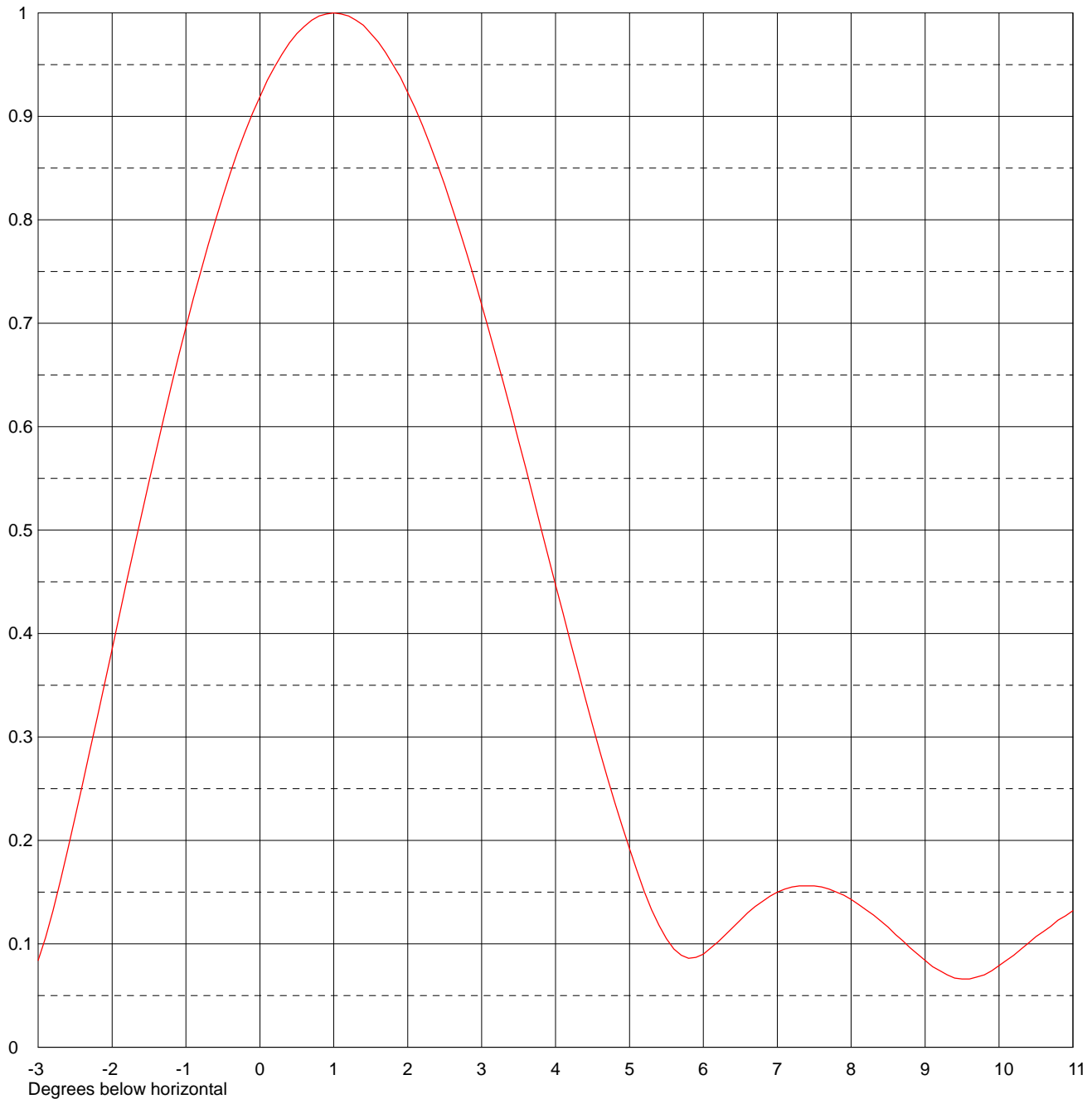
Frequency

497.00 MHz

Calculated / Measured

Calculated

Drawing #

12B120100

Remarks:



Date
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13 May 2015
KOHD Channel **18**
Bend, OR
TDS Broadcasting LLC
TFU-12DSB-M

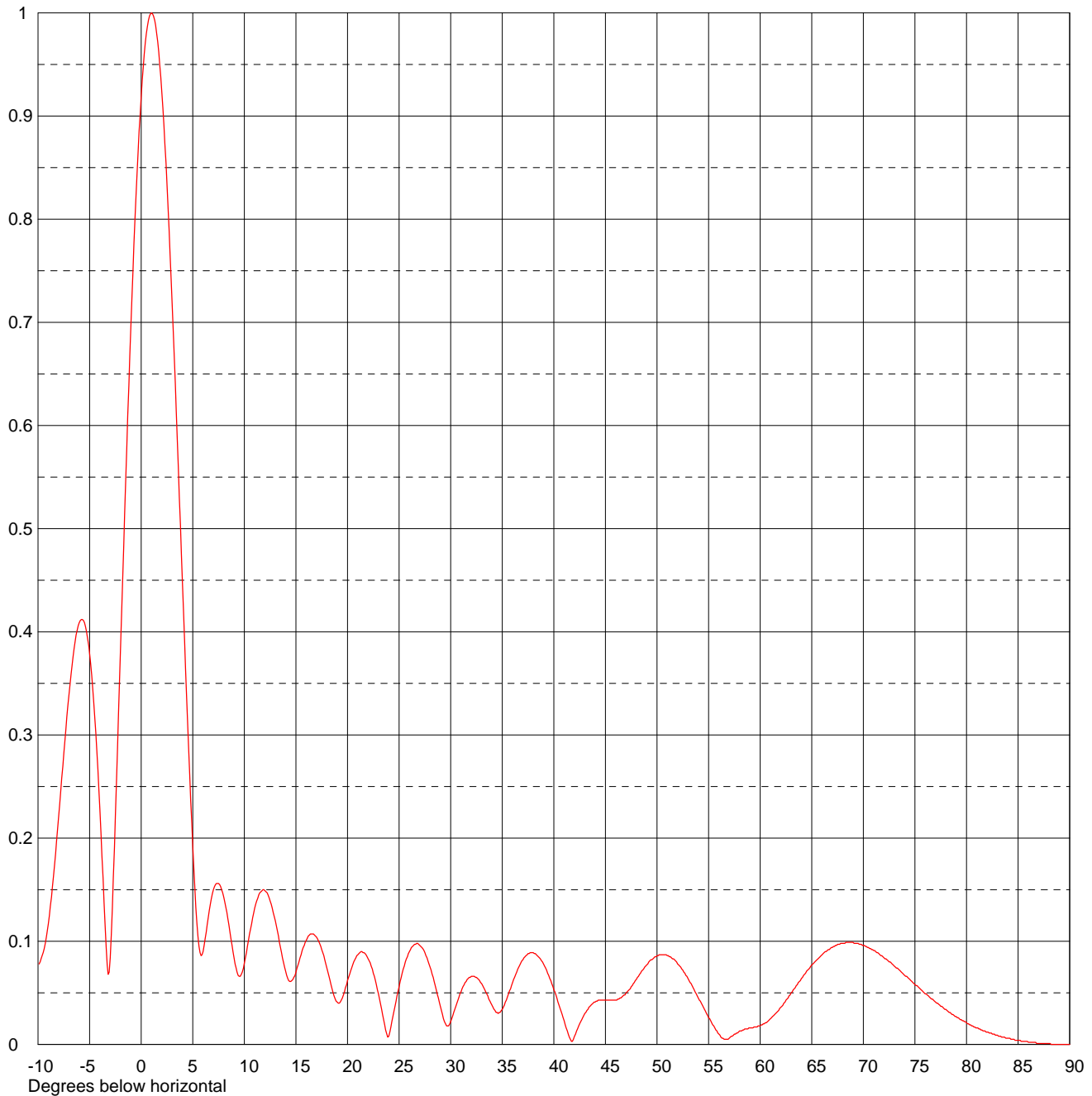
ELEVATION PATTERN

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

12.0 (10.79 dB)
10.1 (10.04 dB)
Calculated

Beam Tilt
Frequency
Drawing #

1.00 Degrees
497.00 MHz
12B120100-90



Remarks:



Date **13 May 2015**
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 Customer **TDS Broadcasting LLC**
 Antenna Type **TFU-12DSB-M**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **12B120100-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.076	2.4	0.854	10.6	0.112	30.5	0.037	51.0	0.086	71.5	0.088
-9.5	0.089	2.6	0.812	10.8	0.123	31.0	0.051	51.5	0.083	72.0	0.084
-9.0	0.117	2.8	0.767	11.0	0.132	31.5	0.061	52.0	0.078	72.5	0.080
-8.5	0.163	3.0	0.718	11.5	0.147	32.0	0.066	52.5	0.072	73.0	0.076
-8.0	0.221	3.2	0.667	12.0	0.149	32.5	0.065	53.0	0.064	73.5	0.072
-7.5	0.282	3.4	0.614	12.5	0.139	33.0	0.059	53.5	0.055	74.0	0.067
-7.0	0.339	3.6	0.559	13.0	0.120	33.5	0.049	54.0	0.045	74.5	0.063
-6.5	0.384	3.8	0.503	13.5	0.094	34.0	0.038	54.5	0.036	75.0	0.058
-6.0	0.409	4.0	0.447	14.0	0.071	34.5	0.031	55.0	0.026	75.5	0.054
-5.5	0.409	4.2	0.392	14.5	0.061	35.0	0.034	55.5	0.018	76.0	0.049
-5.0	0.379	4.4	0.338	15.0	0.070	35.5	0.046	56.0	0.010	76.5	0.045
-4.5	0.317	4.6	0.286	15.5	0.087	36.0	0.060	56.5	0.005	77.0	0.041
-4.0	0.227	4.8	0.237	16.0	0.101	36.5	0.073	57.0	0.006	77.5	0.037
-3.5	0.116	5.0	0.192	16.5	0.107	37.0	0.082	57.5	0.010	78.0	0.034
-3.0	0.084	5.2	0.151	17.0	0.104	37.5	0.088	58.0	0.013	78.5	0.030
-2.8	0.132	5.4	0.118	17.5	0.092	38.0	0.089	58.5	0.015	79.0	0.027
-2.6	0.191	5.6	0.095	18.0	0.074	38.5	0.085	59.0	0.016	79.5	0.024
-2.4	0.254	5.8	0.086	18.5	0.054	39.0	0.078	59.5	0.017	80.0	0.021
-2.2	0.319	6.0	0.090	19.0	0.041	39.5	0.067	60.0	0.018	80.5	0.018
-2.0	0.385	6.2	0.102	19.5	0.045	40.0	0.053	60.5	0.021	81.0	0.016
-1.8	0.451	6.4	0.116	20.0	0.062	40.5	0.038	61.0	0.025	81.5	0.014
-1.6	0.515	6.6	0.130	20.5	0.077	41.0	0.023	61.5	0.030	82.0	0.012
-1.4	0.578	6.8	0.141	21.0	0.087	41.5	0.007	62.0	0.036	82.5	0.010
-1.2	0.639	7.0	0.150	21.5	0.089	42.0	0.008	62.5	0.043	83.0	0.009
-1.0	0.696	7.2	0.155	22.0	0.083	42.5	0.020	63.0	0.050	83.5	0.007
-0.8	0.750	7.4	0.156	22.5	0.069	43.0	0.030	63.5	0.057	84.0	0.006
-0.6	0.800	7.6	0.155	23.0	0.049	43.5	0.037	64.0	0.064	84.5	0.005
-0.4	0.845	7.8	0.150	23.5	0.024	44.0	0.041	64.5	0.071	85.0	0.004
-0.2	0.885	8.0	0.143	24.0	0.008	44.5	0.043	65.0	0.077	85.5	0.003
0.0	0.919	8.2	0.133	24.5	0.032	45.0	0.043	65.5	0.082	86.0	0.002
0.2	0.948	8.4	0.122	25.0	0.056	45.5	0.043	66.0	0.087	86.5	0.002
0.4	0.971	8.6	0.109	25.5	0.076	46.0	0.043	66.5	0.091	87.0	0.001
0.6	0.987	8.8	0.096	26.0	0.090	46.5	0.045	67.0	0.094	87.5	0.001
0.8	0.997	9.0	0.084	26.5	0.097	47.0	0.050	67.5	0.097	88.0	0.001
1.0	1.000	9.2	0.074	27.0	0.096	47.5	0.056	68.0	0.098	88.5	0.000
1.2	0.997	9.4	0.067	27.5	0.089	48.0	0.063	68.5	0.099	89.0	0.000
1.4	0.988	9.6	0.066	28.0	0.075	48.5	0.071	69.0	0.099	89.5	0.000
1.6	0.972	9.8	0.070	28.5	0.057	49.0	0.077	69.5	0.098	90.0	0.000
1.8	0.950	10.0	0.079	29.0	0.037	49.5	0.082	70.0	0.096		
2.0	0.923	10.2	0.089	29.5	0.020	50.0	0.086	70.5	0.094		
2.2	0.891	10.4	0.101	30.0	0.022	50.5	0.087	71.0	0.091		

Remarks: