



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
MODIFICATION OF
CONSTRUCTION PERMIT
BPCDT-19991018AAW
DTV STATION
WLOS-DT – ASHEVILLE, NORTH CAROLINA
CHANNEL 56 - 1000 kW - 834.7 m HAAT**

Permittee: WLOS Licensee, LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a registered Professional Engineer in the Commonwealth of Virginia, Registration No. 7418, and in the State of New York, Registration No. 63418.

GENERAL

WLOS Licensee, LLC, the permittee of DTV station WLOS-DT, channel 56, Asheville, North Carolina, has authorized this office to prepare this statement, FCC Form 301 and associated exhibits in support of a request for modification of construction permit, BPCDT-19991018AAW. In accordance with Commission policies, as stated in Public Notice DA 06-1255 (*Notice*)¹, released on June 14, 2006, regarding DTV stations with a tentative channel other than its current DTV channel, the permittee herein submits, prior to the use-it-or-lose-it deadline, the instant application for modification of its construction permit to specify the paragraph 78 facilities as specified in its recently submitted, pending request for STA modification. The pending request for modification of its current Special

¹ PUBLIC NOTICE: DTV Channel election Issues - Compliance with the July 1, 2006 Replication/Maximization Interference Protection Deadline; Stations Seeking Extension of the Deadline. MB Docket No. 03-15, DA 06-1255, Released June 14, 2006.

Temporary Authorization, BEDSTA-20050630AHA, was made in accordance with policies set forth in the Commission's *Memorandum Opinion and Order on Reconsideration (MO&O)*², to operate with facilities different from those currently authorized and slightly different from those authorized in WLOS-DT's construction permit, BPCDT-19991018AAW.

The DTV facilities proposed herein differ from its facilities as authorized in its current construction permit in only two respects. The permittee has installed a substitute Dielectric directional antenna, model TFU-24DSB-M-R (C) on its authorized tower at a height above ground of 103 meters, which results in a reduced HAAT from 853 meters as authorized to 834.7 meters. The permittee has determined that the authorized ERP of 1000 kW can be achieved utilizing the existing transmitter and substitute antenna. The permittee herein seeks modification of WLOS-DT's construction permit to specify a HAAT of 834.7 meters instead of its currently authorized 853 meters.

In order to continue to meet its DTV service commitment, WLOS-DT's permittee herein seeks modification of its construction permit to specify the paragraph 78 facilities as contained in its pending request for modification of STA.

PROPOSED TECHNICAL PARAMETERS

Digital station WLOS-DT is authorized to operate with an Effective Radiated Power of 1000 kW at an antenna height above average terrain of 853 meters using a Dielectric omni-directional antenna, model TFU-36GTH-O6. The permittee has installed a substitute Dielectric directional antenna, model TFU-24DSB-M-R (C) on its authorized tower at a

² *Memorandum Opinion and Order on Reconsideration* in MM Docket No. 00-39, 16 FCC Rcd 20594 (2001), paragraphs 34-36.

height above ground of 74.7 meters. The substitute antenna's azimuth and elevation patterns and tabulations are shown in the attached exhibits 1-5. The permittee's currently pending request for modification of STA will permit WLOS-DT to operate at a HAAT of 834.7 meters with an ERP of 1000 kW using the substitute directional antenna. The permittee herein requests modification of its construction permit to specify the substitute directional antenna and to authorize WLOS-DT to operate with its authorized ERP of 1000 kW, and at a HAAT of 834.7 meters instead of its authorized HAAT of 853 meters. No other changes are requested.

ALLOCATION CONSIDERATIONS

Since the instant application for modification of construction permit requests a reduction in HAAT of currently authorized DTV facilities it is believed that no additional allocation studies are necessary.

BLANKETING AND INTERMODULATION INTERFERENCE

A number of both broadcast and non-broadcast facilities are located within 10 km of WLOS-DT's site. The permittee recognizes its responsibility to investigate and remedy complaints of interference which might be created by this proposal in accordance with applicable Rules.

ENVIRONMENTAL CONSIDERATIONS

Effective October 15, 1997, the FCC adopted new guidelines and procedures for evaluating environmental effects of radio frequency (RF) emissions. The guidelines are generally based on recommendations by the National Council on Radiation Protection and Measurements (NCRP) in NCRP Report No. 86 (1986), and by the American National

Standards Institute and the Institute of Electrical and Electronic Engineers, LLC (IEEE) in ANSI/IEEE C95.1-1992 (IEEE C95.1-1991). The guidelines provide a maximum permissible exposure (MPE) level for occupational or "controlled" situations that apply in cases that affect the general public. The FCC Office of Engineering and Technology's technical bulletin No. 65 entitled, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields" (Edition 97-01, August 1997), provides assistance to determine whether FCC-regulated transmitting facilities, operations or devices comply with guidelines for human exposure to radio frequency electromagnetic fields as adopted by the Commission in 1996. Bulletin No. 65 contains the technical information necessary to evaluate compliance with the FCC's policies and guidelines.

The Commission's Maximum Permitted Exposure (MPE) level for "uncontrolled" environments is 0.2 milliwatts per centimeter squared (mW/cm^2) when applied to broadcast facilities operating between 30 MHz and 300 MHz, and for broadcast facilities operating between 300 MHz and 1500 MHz, primarily UHF TV stations, is derived from the formula, $(\text{frequency}/1500)$. The MPE level for "controlled" environments is 1.0 milliwatts per centimeter squared (mW/cm^2) for operations between 30 MHz and 300 MHz, and for broadcast stations operating between 300 MHz and 1500 MHz is derived from the formula, $(\text{frequency}/300)$.

The WLOS-DT site is located on a mountaintop which is accessible by cable car. Another licensee has performed measurements and has previously submitted the results to the Commission. That licensee found the site to be in compliance with the Commission environmental requirements.

OCCUPATIONAL SAFETY

The permittee of WLOS-DT is committed to the protection of station personnel and/or tower contractors working in the vicinity of the antenna. The permittee is committed to reducing power and/or ceasing operation during times of service or maintenance of the transmission systems, when necessary, to ensure protection to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

SUMMARY

It is submitted that the request for modification of Construction Permit, as described herein, complies with the policies, rules and regulations of the Federal Communications Commission. This statement, FCC Form 301 and the associated exhibits were prepared by me or under my direct supervision and are believed to be true and correct to the best of my knowledge and belief.

Dated: June 28, 2006


John E. Hidle, P.E.





Proposal Number

DCA-10867

Revision: **1**

Date

5-Apr-05

Exhibit ONE

Call Letters

WLOS-DT

Channel **56**

Location

Asheville, NC

Customer

Antenna Type

TFU-24DSB-M-R (C)

AZIMUTH PATTERN

Gain
Calculated / Measured

1.90

(2.79 dB)

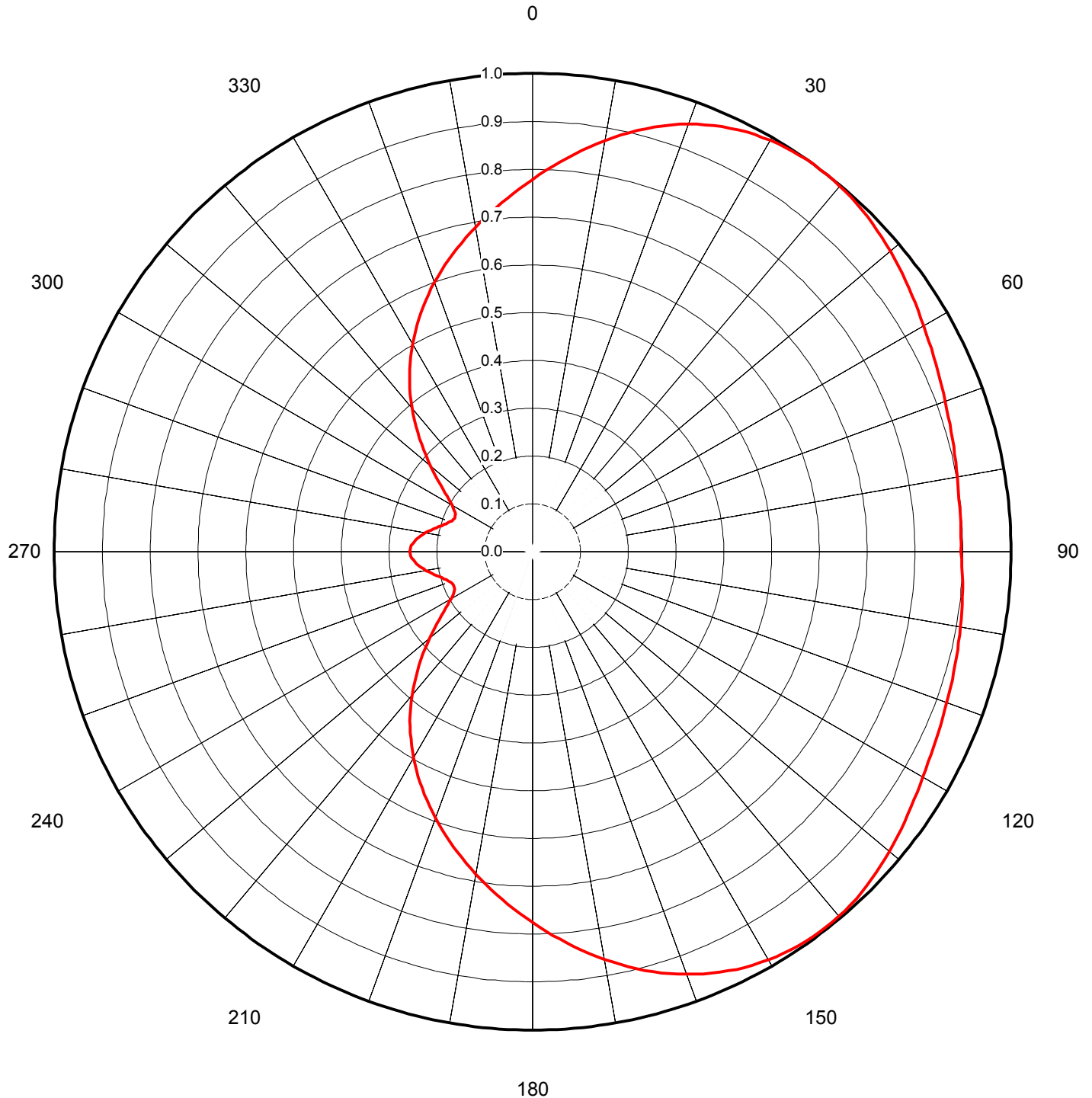
Calculated

Frequency

725.00 MHz

Drawing #

DSB-M





Proposal Number **DCA-10867** Revision: **1**
 Date **5-Apr-05** **Exhibit TWO**
 Call Letters **WLOS-DT** Channel **56**
 Location **Asheville, NC**
 Customer
 Antenna Type **TFU-24DSB-M-R (C)**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **DSB-M**

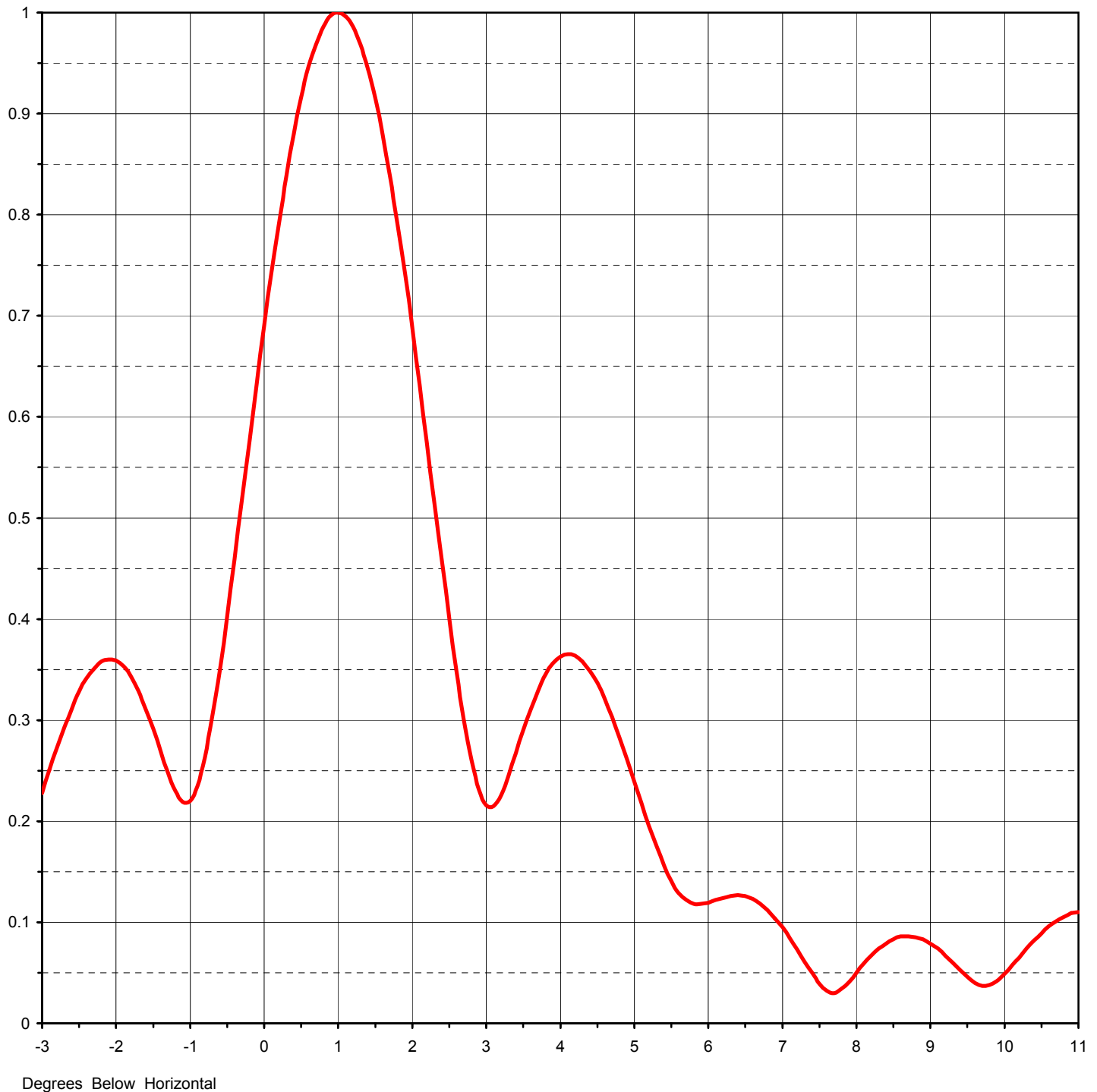
Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.778	45	0.990	90	0.895	135	0.988	180	0.775	225	0.335	270	0.257	315	0.334
1	0.788	46	0.987	91	0.897	136	0.990	181	0.766	226	0.324	271	0.256	316	0.346
2	0.797	47	0.985	92	0.898	137	0.992	182	0.757	227	0.313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



Proposal Number	DCA-10867	Revision:	1
Date	5-Apr-05	Exhibit THREE	
Call Letters	WLOS-DT	Channel	56
Location	Asheville, NC		
Customer			
Antenna Type	TFU-24DSB-M-R (C)		

ELEVATION PATTERN

RMS Gain at Main Lobe	22.00 (13.42 dB)	Beam Tilt	1.00 deg
RMS Gain at Horizontal	10.50 (10.21 dB)	Frequency	725.00 MHz
Calculated / Measured	Calculated	Drawing #	24B220100



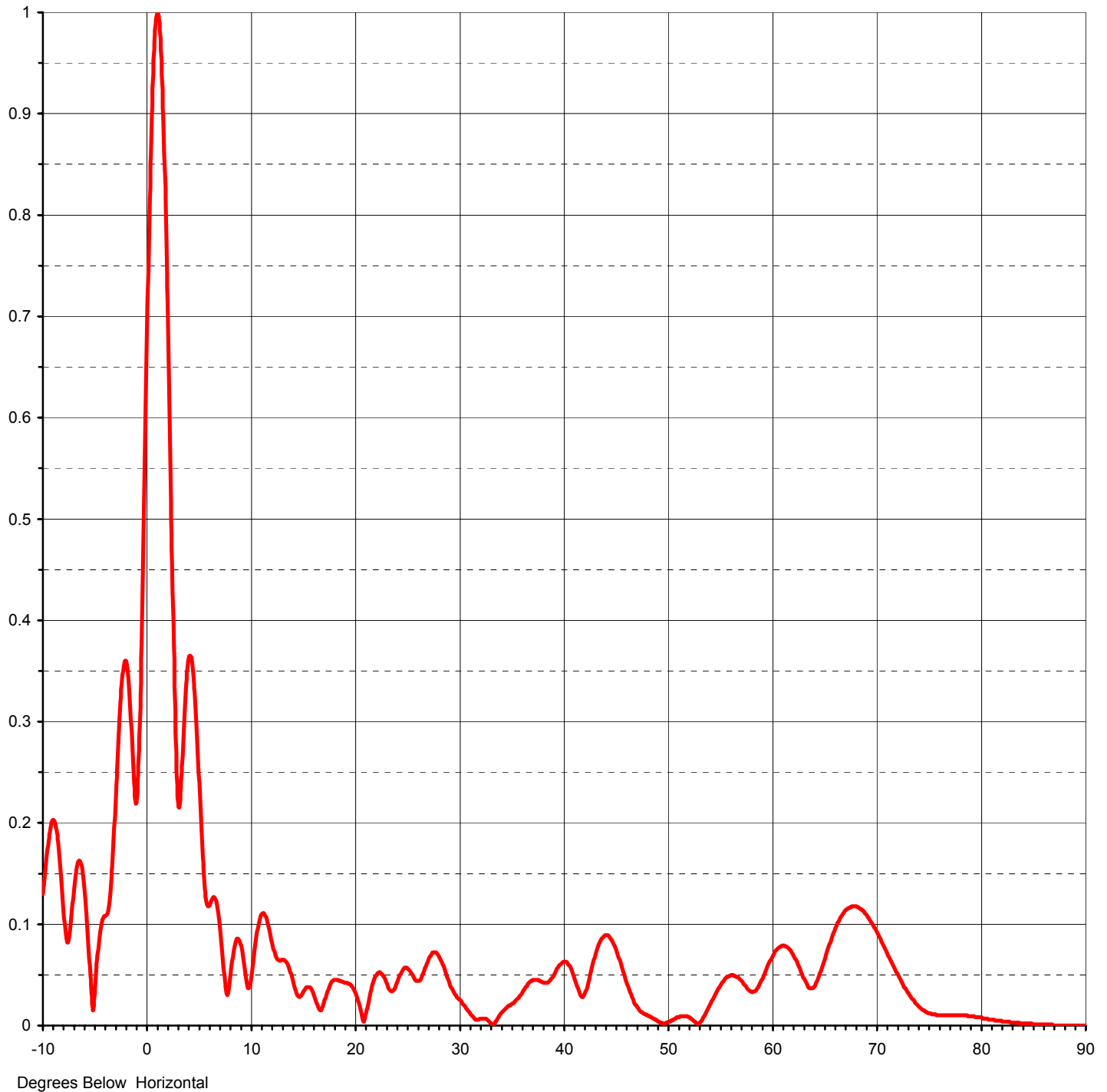


Proposal Number	DCA-10867	Revision:	1
Date	5-Apr-05	Exhibit FOUR	
Call Letters	WLOS-DT	Channel	56
Location	Asheville, NC		
Customer			
Antenna Type	TFU-24DSB-M-R (C)		

ELEVATION PATTERN

RMS Gain at Main Lobe	22.00 (13.42 dB)
RMS Gain at Horizontal	10.50 (10.21 dB)
Calculated / Measured	Calculated

Beam Tilt	1.00 deg
Frequency	725.00 MHz
Drawing #	24B220100-90





Proposal Number **DCA-10867** Revision: **1**
 Date **5-Apr-05** **Exhibit FIVE**
 Call Letters **WLOS-DT** Channel **56**
 Location **Asheville, NC**
 Customer
 Antenna Type **TFU-24DSB-M-R (C)**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **24B220100-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.130	2.4	0.457	10.6	0.089	30.5	0.020	51.0	0.008	71.5	0.060
-9.5	0.178	2.6	0.348	10.8	0.101	31.0	0.013	51.5	0.009	72.0	0.050
-9.0	0.203	2.8	0.260	11.0	0.109	31.5	0.007	52.0	0.008	72.5	0.040
-8.5	0.176	3.0	0.216	11.5	0.107	32.0	0.007	52.5	0.005	73.0	0.032
-8.0	0.112	3.2	0.226	12.0	0.085	32.5	0.007	53.0	0.002	73.5	0.025
-7.5	0.086	3.4	0.267	12.5	0.067	33.0	0.003	53.5	0.009	74.0	0.019
-7.0	0.136	3.6	0.311	13.0	0.065	33.5	0.004	54.0	0.019	74.5	0.015
-6.5	0.163	3.8	0.345	13.5	0.062	34.0	0.011	54.5	0.029	75.0	0.012
-6.0	0.133	4.0	0.363	14.0	0.047	34.5	0.017	55.0	0.038	75.5	0.011
-5.5	0.058	4.2	0.364	14.5	0.030	35.0	0.021	55.5	0.046	76.0	0.010
-5.0	0.036	4.4	0.349	15.0	0.032	35.5	0.025	56.0	0.049	76.5	0.010
-4.5	0.093	4.6	0.321	15.5	0.038	36.0	0.031	56.5	0.049	77.0	0.010
-4.0	0.108	4.8	0.283	16.0	0.033	36.5	0.039	57.0	0.045	77.5	0.010
-3.5	0.134	5.0	0.239	16.5	0.018	37.0	0.044	57.5	0.039	78.0	0.010
-3.0	0.228	5.2	0.195	17.0	0.020	37.5	0.045	58.0	0.034	78.5	0.010
-2.8	0.272	5.4	0.156	17.5	0.036	38.0	0.043	58.5	0.035	79.0	0.009
-2.6	0.311	5.6	0.129	18.0	0.045	38.5	0.042	59.0	0.044	79.5	0.008
-2.4	0.341	5.8	0.118	18.5	0.044	39.0	0.048	59.5	0.056	80.0	0.008
-2.2	0.358	6.0	0.119	19.0	0.042	39.5	0.057	60.0	0.067	80.5	0.007
-2.0	0.359	6.2	0.124	19.5	0.041	40.0	0.063	60.5	0.075	81.0	0.006
-1.8	0.343	6.4	0.127	20.0	0.034	40.5	0.060	61.0	0.079	81.5	0.005
-1.6	0.311	6.6	0.123	20.5	0.018	41.0	0.049	61.5	0.077	82.0	0.004
-1.4	0.269	6.8	0.112	21.0	0.008	41.5	0.034	62.0	0.071	82.5	0.004
-1.2	0.230	7.0	0.095	21.5	0.032	42.0	0.030	62.5	0.060	83.0	0.003
-1.0	0.220	7.2	0.073	22.0	0.049	42.5	0.046	63.0	0.048	83.5	0.003
-0.8	0.263	7.4	0.050	22.5	0.052	43.0	0.067	63.5	0.038	84.0	0.002
-0.6	0.350	7.6	0.032	23.0	0.043	43.5	0.082	64.0	0.038	84.5	0.002
-0.4	0.459	7.8	0.034	23.5	0.034	44.0	0.089	64.5	0.051	85.0	0.001
-0.2	0.576	8.0	0.050	24.0	0.041	44.5	0.087	65.0	0.066	85.5	0.001
0.0	0.690	8.2	0.067	24.5	0.053	45.0	0.077	65.5	0.082	86.0	0.001
0.2	0.793	8.4	0.079	25.0	0.057	45.5	0.062	66.0	0.096	86.5	0.001
0.4	0.880	8.6	0.086	25.5	0.051	46.0	0.045	66.5	0.107	87.0	0.000
0.6	0.946	8.8	0.085	26.0	0.044	46.5	0.031	67.0	0.114	87.5	0.000
0.8	0.986	9.0	0.079	26.5	0.050	47.0	0.020	67.5	0.117	88.0	0.000
1.0	1.000	9.2	0.067	27.0	0.063	47.5	0.013	68.0	0.118	88.5	0.000
1.2	0.986	9.4	0.053	27.5	0.072	48.0	0.010	68.5	0.115	89.0	0.000
1.4	0.945	9.6	0.040	28.0	0.070	48.5	0.008	69.0	0.109	89.5	0.000
1.6	0.879	9.8	0.037	28.5	0.059	49.0	0.005	69.5	0.101	90.0	0.000
1.8	0.792	10.0	0.042	29.0	0.045	49.5	0.002	70.0	0.092		
2.0	0.688	10.2	0.057	29.5	0.033	50.0	0.003	70.5	0.081		
2.2	0.574	10.4	0.074	30.0	0.026	50.5	0.006	71.0	0.071		