



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
MODIFICATION OF
CONSTRUCTION PERMIT
BPCDT-19991015ABL
DTV STATION
WGGB-DT – SPRINGFIELD, MASSACHUSETTS
CHANNEL 55 - 500 kW - 301m HAAT**

Permittee: WGGB 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

WGGB Licensee, LLC, the permittee of DTV station WGGB-DT, channel 55, Springfield, Massachusetts, 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-19991015ABL. 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

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.

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 Temporary Authorization, BEDSTA-20060103AGI, 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 WGGB-DT's construction permit, BPCDT-19991015ABL.

The DTV facilities proposed herein differ from its facilities as authorized in its current construction permit in only two respects. Because of tower limitations the permittee has been unable to top-mount its authorized DTV antenna. The pending request for modification of STA specifies a side-mounted omni-directional antenna, a Dielectric model TFU-20GTH-R O4, with a smaller aperture and slightly less power gain than the antenna, a Dielectric model TFU-36GTH O6, authorized in WGGB-DT's construction permit. The permittee has determined that the antenna specified in its modification request is capable of operating at WGGB-DT's authorized ERP of 500 kW. The permittee seeks modification of its construction permit to specify an antenna Height Above Average Terrain (HAAT) of 301 meters instead of its currently authorized HAAT of 324 meters.

In order to continue to meet its DTV service commitment, WGGB-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

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

PROPOSED TECHNICAL PARAMETERS

Digital station WGGB-DT is authorized to operate with an Effective Radiated Power of 500 kW at an antenna height above average terrain of 324 meters using a Dielectric omni-directional antenna, model TFU-36GTH O6. The permittee initially installed a side-mounted substitute Dielectric omni-directional antenna, model TFU-20GTH-R O4 on its existing tower at a height above ground of 30 meters. The permittee's currently pending request for modification of STA will permit WGGB-DT to operate at its authorized ERP of 500 kW at a HAAT of 301 meters using the substitute antenna. The permittee herein requests modification of its construction permit to specify the substitute omni-directional antenna and to authorize WGGB-DT to operate with 500 kW ERP at a HAAT of 301 meters. No other changes are requested.

The pertinent technical parameters are shown in FCC Form 301. The proposed substitute antenna's elevation pattern and tabulation are shown in the attached exhibits.

ALLOCATION CONSIDERATIONS

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

BLANKETING AND INTERMODULATION INTERFERENCE

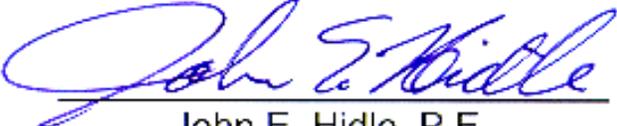
A number of both broadcast and non-broadcast facilities are located within 10 km of WGGB-DT's site. The permittee recognizes its responsibility to investigate and remedy

complaints of interference which might be created by this proposal in accordance with applicable Rules.

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 26, 2006


John E. Hidle, P.E.

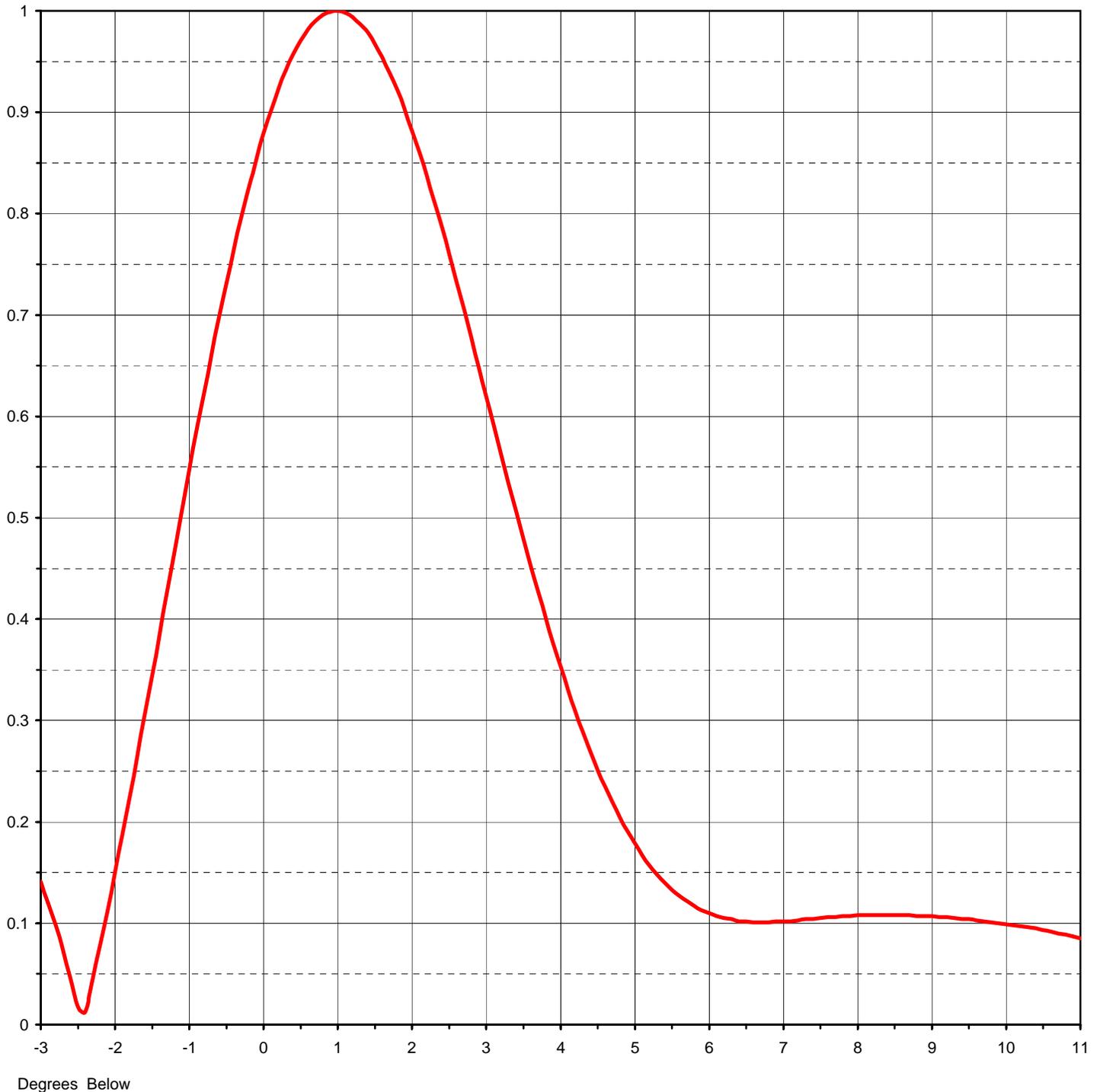




Proposal Number **DCA-9517**
Date **6-Aug-01** Exhibit **ONE**
Call Letters **WGGB-DT** Channel **55**
Location **Springfield, MA**
Customer **WGGB**
Antenna Type **TFU-20GTH-R O4**

ELEVATION PATTERN

RMS Gain at Main Lobe	17.50 (12.43 dB)	Beam Tilt	1.00 deg
RMS Gain at Horizontal	13.50 (11.30 dB)	Frequency	719.00 MHz
Calculated / Measured	Calculated	Drawing #	20G175100

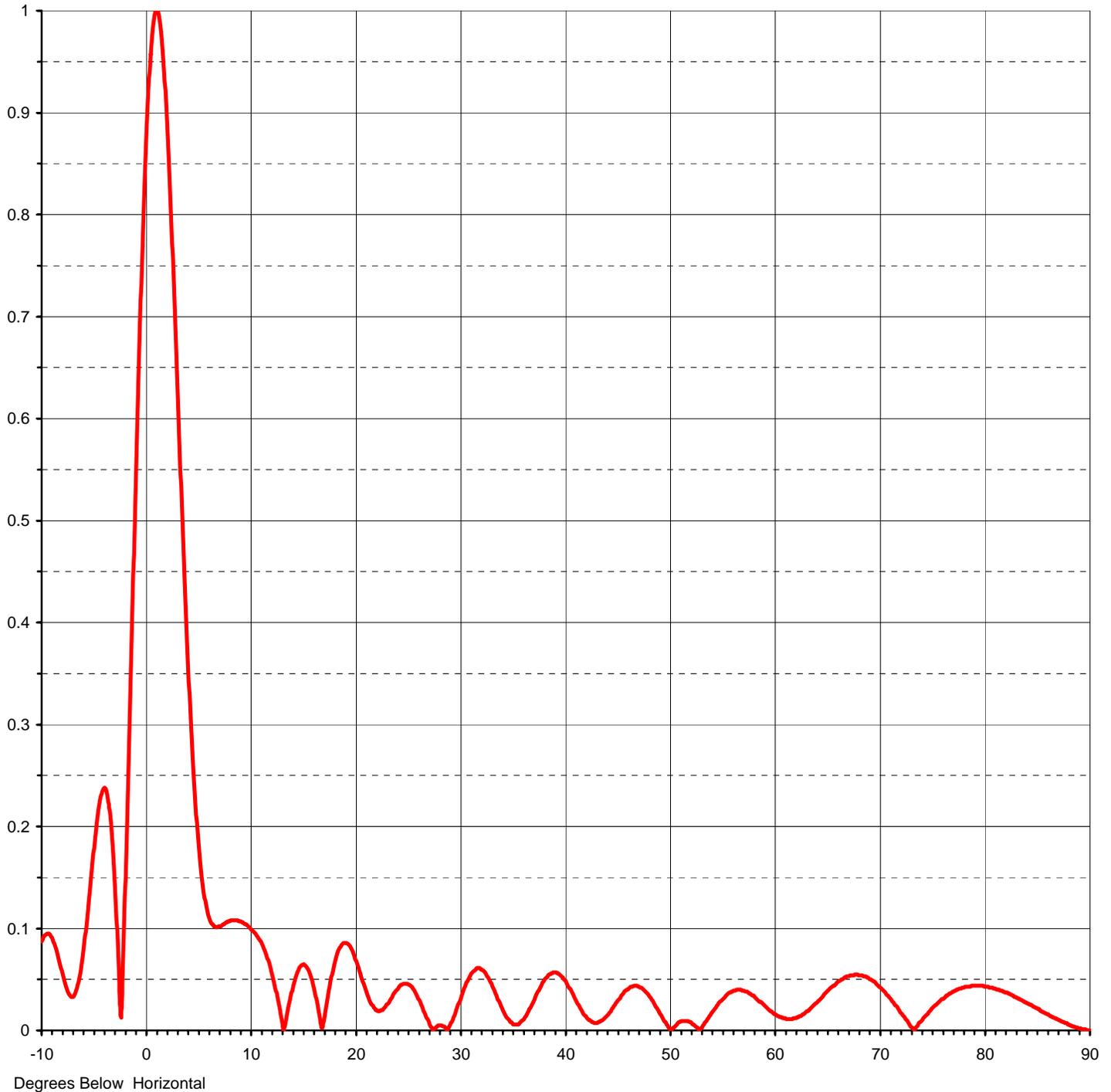




Proposal Number **DCA-9517**
Date **6-Aug-01** **Exhibit TWO**
Call Letters **WGGB-DT** Channel **55**
Location **Springfield, MA**
Customer **WGGB**
Antenna Type **TFU-20GTH-R O4**

ELEVATION PATTERN

RMS Gain at Main Lobe	17.50 (12.43 dB)	Beam Tilt	1.00 deg
RMS Gain at Horizontal	13.50 (11.30 dB)	Frequency	719.00 MHz
Calculated / Measured	Calculated	Drawing #	20G175100-90





Proposal Number **DCA-9517**
 Date **6-Aug-01** Exhibit **THREE**
 Call Letters **WGGB-DT** Channel **55**
 Location **Springfield, MA**
 Customer **WGGB**
 Antenna Type **TFU-20GTH-R 04**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **20G175100-90**

Angle	Field										
-10.0	0.087	2.4	0.787	10.6	0.093	30.5	0.043	51.0	0.008	71.5	0.024
-9.5	0.095	2.6	0.733	10.8	0.090	31.0	0.054	51.5	0.009	72.0	0.017
-9.0	0.091	2.8	0.677	11.0	0.087	31.5	0.060	52.0	0.008	72.5	0.010
-8.5	0.075	3.0	0.620	11.5	0.075	32.0	0.060	52.5	0.004	73.0	0.003
-8.0	0.055	3.2	0.562	12.0	0.058	32.5	0.055	53.0	0.002	73.5	0.004
-7.5	0.038	3.4	0.506	12.5	0.037	33.0	0.046	53.5	0.009	74.0	0.010
-7.0	0.033	3.6	0.452	13.0	0.011	33.5	0.034	54.0	0.017	74.5	0.016
-6.5	0.047	3.8	0.401	13.5	0.016	34.0	0.022	54.5	0.024	75.0	0.022
-6.0	0.079	4.0	0.353	14.0	0.039	34.5	0.012	55.0	0.030	75.5	0.027
-5.5	0.127	4.2	0.309	14.5	0.057	35.0	0.007	55.5	0.035	76.0	0.031
-5.0	0.179	4.4	0.269	15.0	0.064	35.5	0.006	56.0	0.038	76.5	0.035
-4.5	0.221	4.6	0.235	15.5	0.060	36.0	0.010	56.5	0.040	77.0	0.038
-4.0	0.238	4.8	0.204	16.0	0.045	36.5	0.018	57.0	0.039	77.5	0.041
-3.5	0.214	5.0	0.179	16.5	0.020	37.0	0.028	57.5	0.037	78.0	0.042
-3.0	0.141	5.2	0.157	17.0	0.009	37.5	0.039	58.0	0.034	78.5	0.043
-2.8	0.098	5.4	0.140	17.5	0.039	38.0	0.048	58.5	0.029	79.0	0.044
-2.6	0.046	5.6	0.127	18.0	0.064	38.5	0.055	59.0	0.025	79.5	0.044
-2.4	0.013	5.8	0.117	18.5	0.080	39.0	0.057	59.5	0.020	80.0	0.043
-2.2	0.078	6.0	0.110	19.0	0.086	39.5	0.055	60.0	0.016	80.5	0.042
-2.0	0.150	6.2	0.105	19.5	0.083	40.0	0.049	60.5	0.013	81.0	0.041
-1.8	0.226	6.4	0.102	20.0	0.071	40.5	0.041	61.0	0.012	81.5	0.039
-1.6	0.305	6.6	0.101	20.5	0.056	41.0	0.031	61.5	0.011	82.0	0.037
-1.4	0.385	6.8	0.101	21.0	0.040	41.5	0.021	62.0	0.012	82.5	0.035
-1.2	0.467	7.0	0.102	21.5	0.027	42.0	0.014	62.5	0.014	83.0	0.032
-1.0	0.547	7.2	0.103	22.0	0.020	42.5	0.009	63.0	0.018	83.5	0.030
-0.8	0.624	7.4	0.104	22.5	0.020	43.0	0.007	63.5	0.022	84.0	0.027
-0.6	0.697	7.6	0.106	23.0	0.025	43.5	0.009	64.0	0.027	84.5	0.024
-0.4	0.765	7.8	0.107	23.5	0.032	44.0	0.014	64.5	0.033	85.0	0.021
-0.2	0.826	8.0	0.108	24.0	0.040	44.5	0.021	65.0	0.039	85.5	0.018
0.0	0.879	8.2	0.108	24.5	0.045	45.0	0.028	65.5	0.044	86.0	0.016
0.2	0.923	8.4	0.108	25.0	0.046	45.5	0.035	66.0	0.048	86.5	0.013
0.4	0.957	8.6	0.108	25.5	0.041	46.0	0.040	66.5	0.051	87.0	0.010
0.6	0.982	8.8	0.107	26.0	0.032	46.5	0.043	67.0	0.053	87.5	0.008
0.8	0.996	9.0	0.107	26.5	0.020	47.0	0.043	67.5	0.054	88.0	0.006
1.0	1.000	9.2	0.106	27.0	0.009	47.5	0.040	68.0	0.054	88.5	0.004
1.2	0.994	9.4	0.104	27.5	0.001	48.0	0.035	68.5	0.053	89.0	0.002
1.4	0.979	9.6	0.103	28.0	0.005	48.5	0.027	69.0	0.050	89.5	0.001
1.6	0.954	9.8	0.102	28.5	0.004	49.0	0.018	69.5	0.047	90.0	0.000
1.8	0.922	10.0	0.100	29.0	0.004	49.5	0.009	70.0	0.042		
2.0	0.882	10.2	0.098	29.5	0.015	50.0	0.002	70.5	0.037		
2.2	0.837	10.4	0.096	30.0	0.029	50.5	0.004	71.0	0.031		