Larry H. Will, P.E. **Broadcast Engineering**

1055 Powderhorn Drive
Glen Mills, PA 19342-9504

PH (610) 399-1826
FAX (610) 399-0995
E-Mail lhwill@verizon.net

WSKG PUBLIC TELECOMMUNICATIONS COUNCIL
BINGHAMTON, NEW YORK

PERMITTEE OF

WSKA(TV) CHANNEL 30

CORNING, NEW YORK

FACILITY ID # 78908

FCC FILE Nos. BLEDT-20060705ABL
BMPDT-20040413AAJ

MINOR CHANGE ENGINEERING AMENDMENT

TO A CP

FOR WSKA-DT

EXHIBIT 34

WSKG PUBLIC TELECOMMUNICATIONS COUNCIL
BINGHAMTON, NEW YORK

PERMITTEE OF WSKA(TV) CHANNEL 30

CORNING, NEW YORK

FCC FILE Nos. BLEDT-20060705ABL
BMPEDT-20040413AAJ

EXHIBIT 33

WSKG PUBLIC TELECOMMUNICATIONS COUNCIL has a pending application for a covering License for WSKA-DT, Corning, NY, file number BLEDT-20060705ABL. The instant minor modification of Construction Permit BMPEDT-20040413AAJ is being submitted at the request of commission staff to provide changes as a result of the as constructed directional antenna being more that +/- 0.5 dB from that specified in BMPEDT-20040413AAJ. This office erroneously thought that the allowable pattern tolerance was only important in the positive direction, i.e. +0.5 dB.

The FCC Form 340 Tech Box Question 10 has been updated to reflect the parameters of the installed broadband antenna. As reported in our pending covering license application, BLEDT-20060705ABL, the WSKA-DT antenna was changed to accommodate other area broadcasters on a recently constructed tower owned by a third party. Included herein is the information required by Question 10e. No other changes are proposed.

The as built proposed antenna specified herein does not increase radiation towards Canada on a pertinent azimuth and therefore complies with the power and pattern already reviewed and approved by Industry Canada. We believe that these changes herein do not require further Canadian concurrence. Figure 7-A attached hereto shows both the coverage authorized along with the coverage as a result of the antenna change.

The existing Construction Permit for WSKA-DT, BMPEDT-20040413AAJ specified a Dielectric Communications single channel directional UHF antenna, TFU-24GTH. The applicant has installed a broadband directional antenna with a similar directional pattern, Dielectric Communications Model TUA-C4SP-8/28M-1-T. The antenna manufacturer designed the broadband antenna to match the parameters of the single channel antenna as close as technically possible.

WSKG TELECOMMUNICATIONS COUNCIL, INC
WSKA-DT

EXHIBIT 33 - TABLE 1

DIE TUA-C4SP-8/28M-1-T (NO ROTATION)

10 Degree

Angle	Field	ERP (kW)	ERP (dBk)
0	0.850	18.06	12.568
10	0.912	20.79	13.179
20	0.769	14.78	11.698
30	0.753	14.18	11.515
40	0.953	22.71	13.561
50	0.979	23.96	13.795
60	0.801	16.04	12.052
70	0.738	13.62	11.341
80	0.863	18.62	12.700
90	0.929	21.58	13.340
100	0.876	19.18	12.829
110	0.729	13.29	11.234
120	0.523	6.84	8.349
130	0.385	3.71	5.689
140	0.460	5.29	7.235
150	0.454	5.15	7.121
160	0.347	3.01	4.786
170	0.329	2.71	4.323
180	0.388	3.76	5.756
190	0.394	3.88	5.889
200	0.351	3.08	4.886
210	0.324	2.62	4.190
220	0.420	4.41	6.444
230	0.458	5.24	7.197
240	0.383	3.67	5.643
250	0.428	4.58	6.608
260	0.626	9.80	9.911
270	0.809	16.36	12.138
280	0.915	20.93	13.208
290	0.917	21.02	13.227
300	0.791	15.64	11.943
310	0.776	15.05	11.777
320	0.964	23.23	13.661
330	0.970	23.52	13.715
340	0.796	15.84	11.998
350	0.700	12.25	10.881

Maxima

Angle	Field	ERP (kW)	ERP (dBk)
46	1.000	25.00	13.979

Minima

Angle	Field	ERP (kW)	ERP (dBk)
207	0.312	2.43	3.862

ERP= 25.0 kW
CALL WSKA-DT

WSKG TELECOMMUNICATIONS COUNCIL, INC

WSKA-DT CORNING NY

EXHIBIT 33 - TABLE 2

DIE TUA-C4SP-8/28M-1-T
ELEVATION PATTERN

Elevation

Angle	Field	ERP (kW)	ERP (dBk)
3.00	0.359	3.22	5.081
2.50	0.209	1.09	0.382
2.00	0.106	0.28	-5.514
1.50	0.384	3.69	5.666
1.00	0.525	6.89	8.383
0.50	0.735	13.51	11.305
0.00	0.895	20.03	13.016
-0.25	0.948	22.47	13.516
-0.50	0.983	24.16	13.830
-0.75	1.000	25.00	13.979
-1.00	0.995	24.75	13.936
-1.25	0.968	23.43	13.697
-1.50	0.925	21.39	13.302
-1.75	0.866	18.75	12.730
-2.00	0.796	15.84	11.998
-2.50	0.625	9.77	9.897
-3.00	0.444	4.93	6.927
-3.50	0.288	2.07	3.167
-4.00	0.193	0.93	-0.309
-4.50	0.176	0.77	-1.110
-5.00	0.180	0.81	-0.915
-5.50	0.162	0.66	-1.830
-6.00	0.121	0.37	-4.365
-6.50	0.089	0.20	-7.033
-7.00	0.111	0.31	-5.114
-7.50	0.161	0.65	-1.884
-8.00	0.199	0.99	-0.044
-8.50	0.210	1.10	0.424
-9.00	0.193	0.93	-0.309
-9.50	0.152	0.58	-2.384
-10.00	0.111	0.31	-5.114

prepared by
Larry H. Will, P.E.
Glen Mills, PA 19342-9504

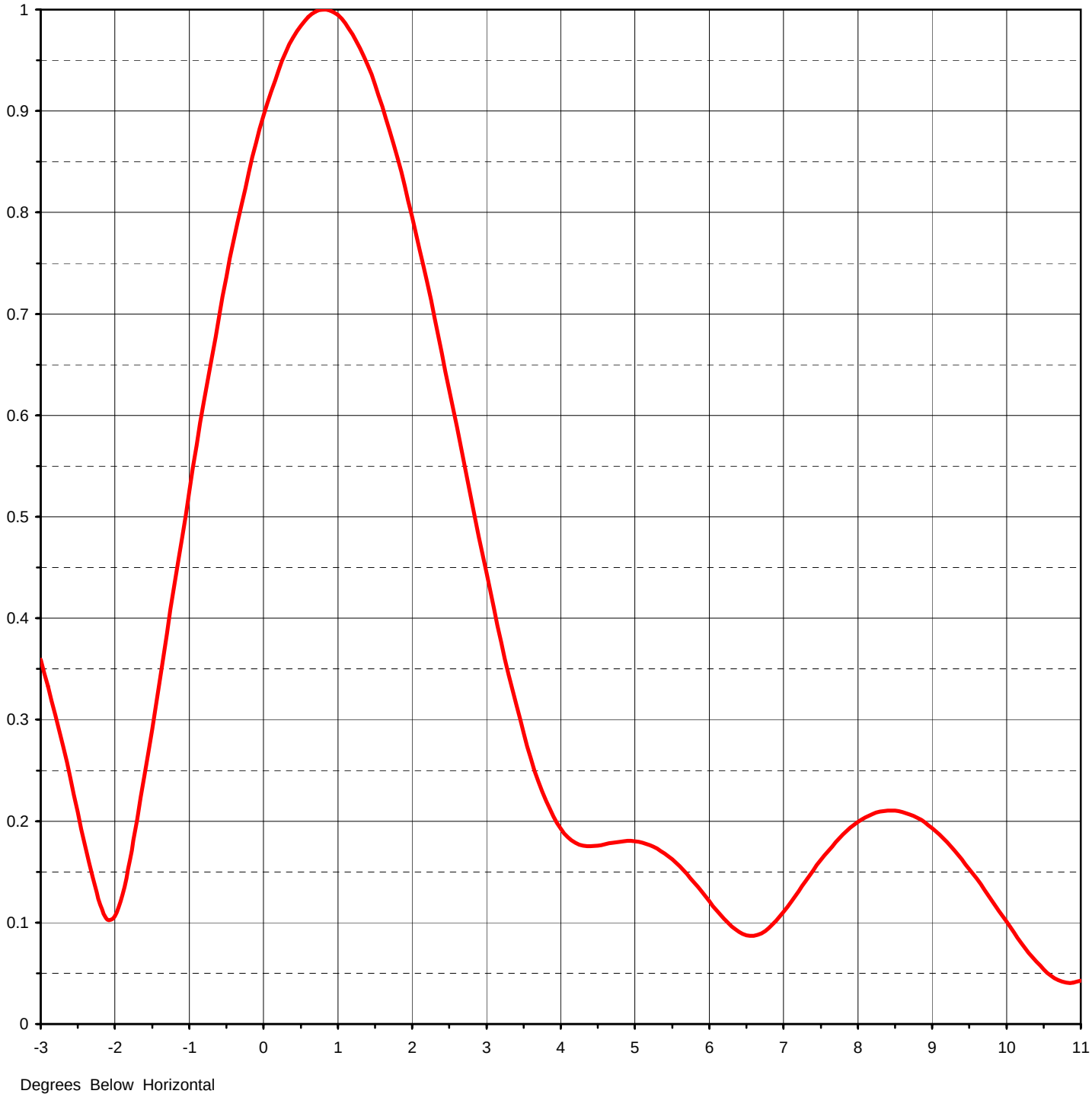
ERP= 25.0 kW
CALL WSKA-DT

Proposal Number	**DCA-11376**		
Date	**26-Jan-06**		
Call Letters	**WSKA-DT**	Channel	**30**
Location	**Corning, NY**		
Customer			
Antenna Type	**TUA-C4SP-8/28M-1-T**		

ELEVATION PATTERN

RMS Gain at Main Lobe	**14.30**	**(11.55 dB)**	
RMS Gain at Horizontal	**11.50**	**(10.61 dB)**	
Calculated / Measured	**Calculated**		

Beam Tilt	**0.75 deg**
Frequency	**569.00 MHz**
Drawing #	**08U153075**

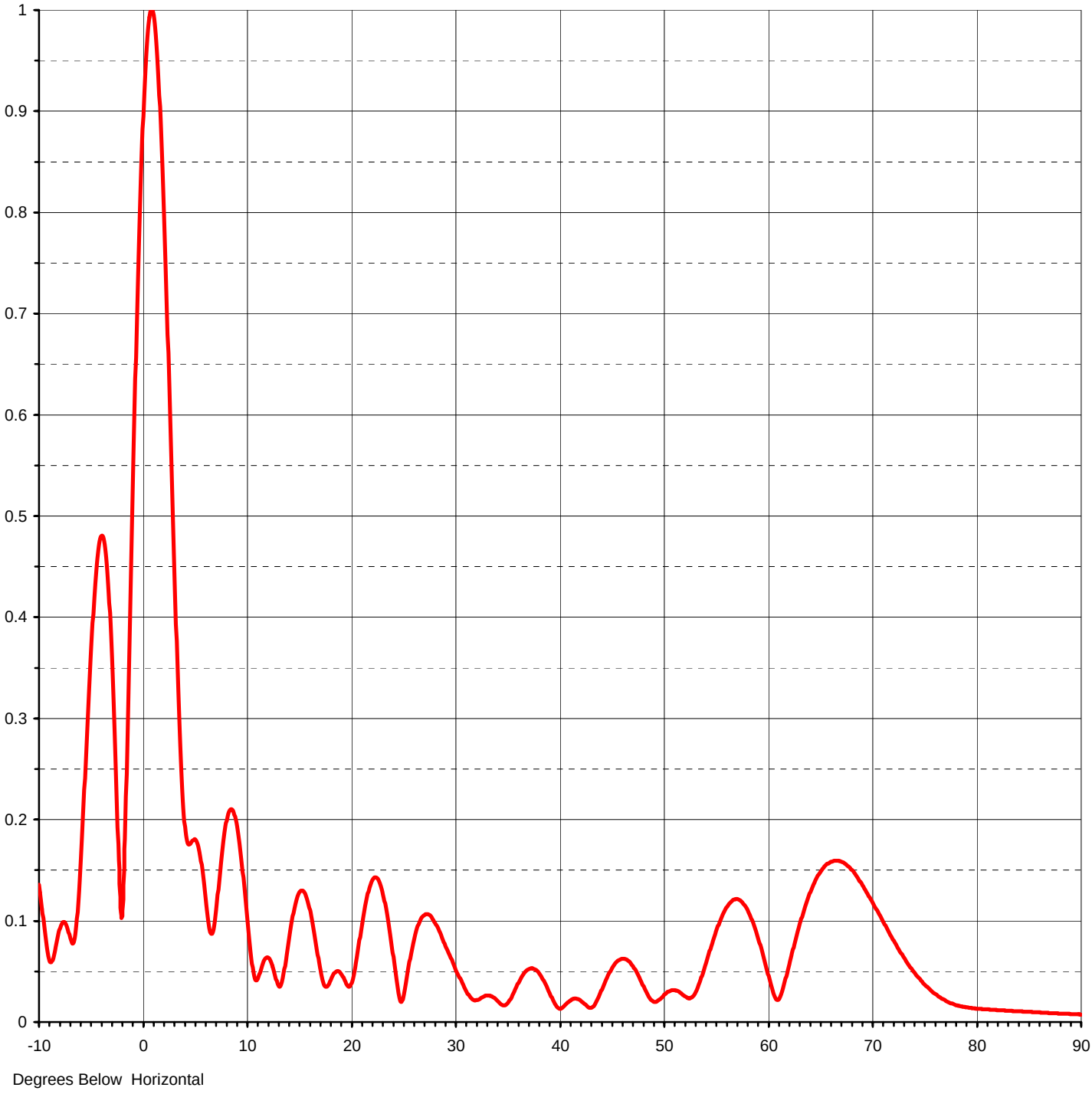


Dielectric

Proposal Number	**DCA-11376**		
Date	**26-Jan-06**		
Call Letters	**WSKA-DT**	Channel	**30**
Location	**Corning, NY**		
Customer			
Antenna Type	**TUA-C4SP-8/28M-1-T**		

ELEVATION PATTERN

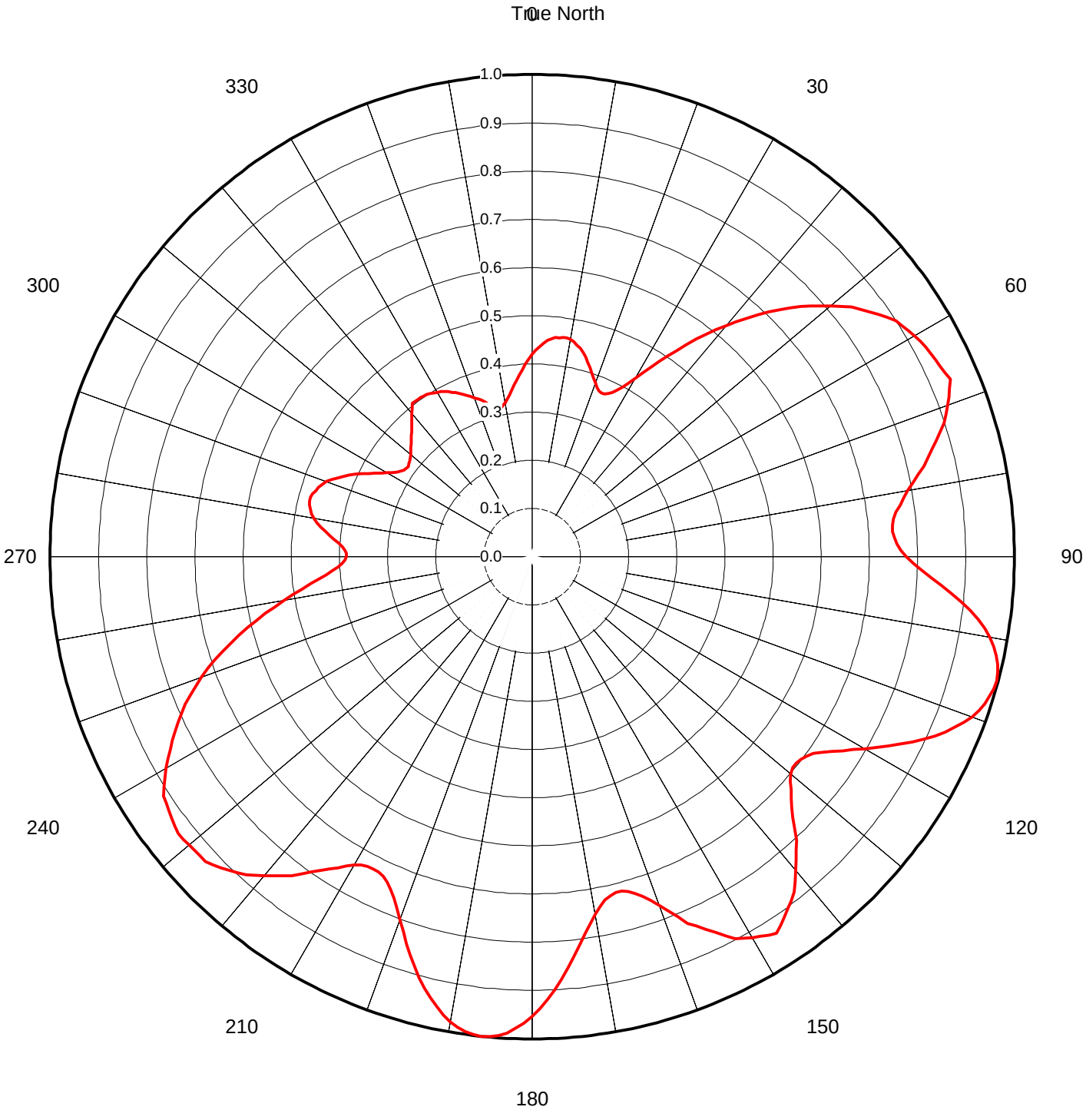
RMS Gain at Main Lobe	**14.30 (11.55 dB)**	Beam Tilt	**0.75 deg**
RMS Gain at Horizontal	**11.50 (10.61 dB)**	Frequency	**569.00 MHz**
Calculated / Measured	**Calculated**	Drawing #	**08U153075-90**

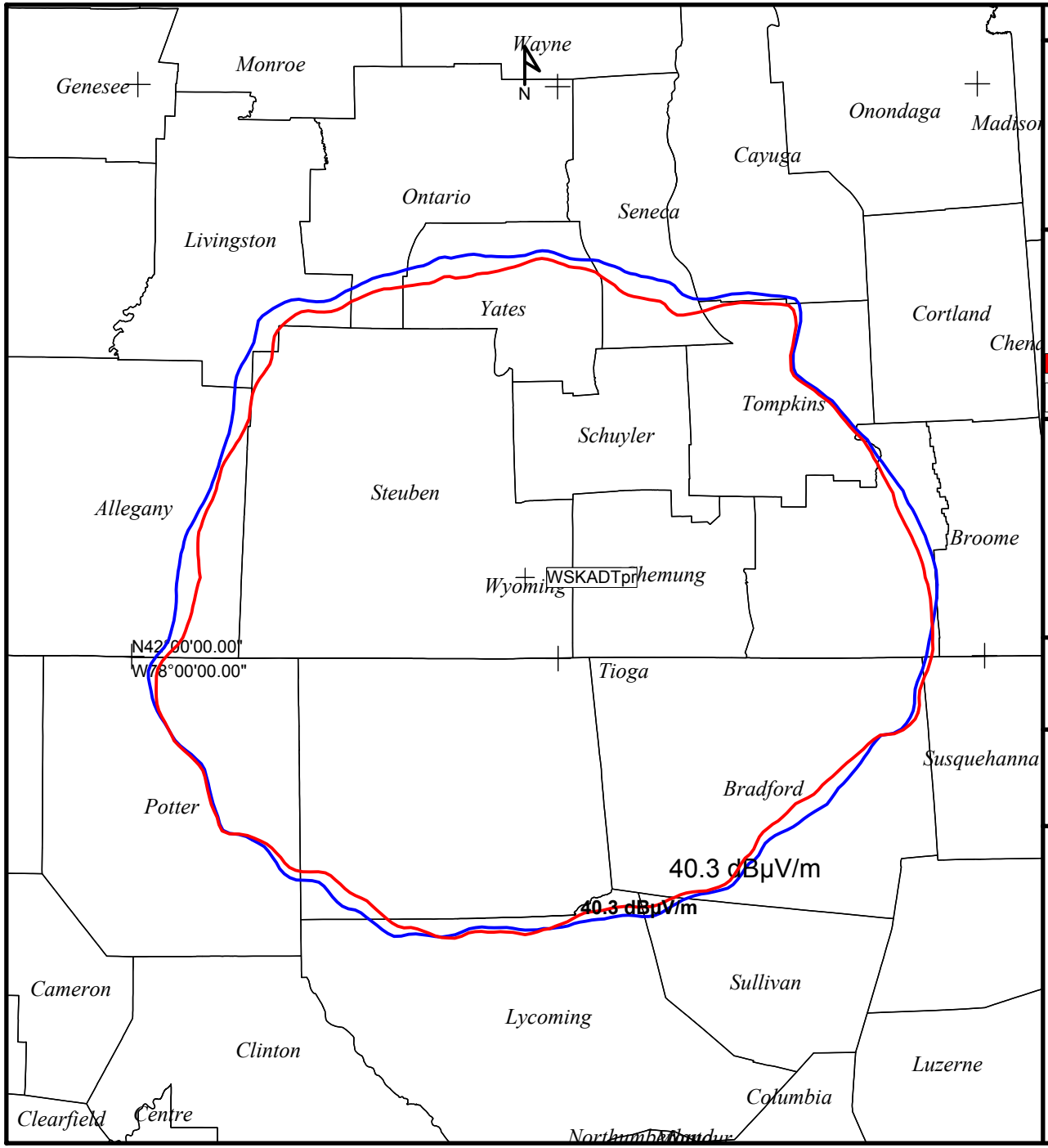


Proposal Number	**DCA-11376**		
Date	**26-Jan-06**		
Call Letters	**WSKA-DT**	Channel	**30**
Location	**Corning, NY**		
Customer			
Antenna Type	**TUA-C4SP-8/28M-1-T**		

AZIMUTH PATTERN

Gain	**2.00**	**(3.01 dB)**	
Calculated / Measured	**Calculated**		
Frequency	**569.00 MHz**		
Drawing #	**TUA-C4SP-5690**		





SIGNAL™: WSKA_tall_tower_coverage_SC_BB.map

Prop. model: FCC-FCC
Time: 90.0% Loc.: 50.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): none
Atmospheric Abs.: none
K Factor: 1.333
RX Antenna - Type: ADAPTIVE
Height: 9.1 m AGL Gain: 10.00 dBd

Sites

Interference contour study

Propagation methods:
service contour : FCC-FCC 90.0%

= **40.3 dBµV/m service contour**

quick contours

Notes

Plot of the FCC type service contours
for WSKA-DT F(50,90).
BLUE - As shown in BMPEDT-20040413AAJ
as on file and approved by Canada.
DIE TFU-24GTH antenna.
RED - As built using the Dielectric
TUA-C4SP-8/28-1-T Broadband antenna.
Larry H. Will, P.E.
Glen Mills, PA 19342

KILOMETERS

-25 0 25

COVERAGE MAP

WSKA-DT

FIGURE 7-A 7-10-2006