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**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
PENDING APPLICATION FOR A COVERING LICENSE
FOR WSKA-DT**

EXHIBIT 7

**WSKG PUBLIC TELECOMMUNICATIONS COUNCIL
BINGHAMTON, NEW YORK**

PERMITTEE OF WSKA(TV) CHANNEL 30

CORNING, NEW YORK

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

EXHIBIT 7

WSKG PUBLIC TELECOMMUNICATIONS COUNCIL has a pending application for a covering License for WSKA-DT, Corning, NY. The instant minor engineering amendment to that pending application is to provide Tech Box Paragraph 5, Exhibit 7, which was inadvertently omitted with the original application.

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. This Exhibit provides the parameters for that antenna pursuant to 73.1690 and 73.685. A review by this office indicates that the azimuth parameters differ slightly from those authorized in BMPEDT-20040413AAJ but that the total radiation at any azimuth does not result in prohibited Longley-Rice interference to any domestic station and also does not increase radiation on any pertinent azimuth to stations located in Canada over that already reviewed and approved by Canada. The di-minimis variations in azimuth radiation do not result in any increase in the WSKA-DT protected coverage greater than 0.5 dB over any 10 degree radial.

The affected radials are:

<u>RADIAL</u>	<u>CP ERP</u>	<u>AS BUILT ERP</u>	<u>CHANGE</u>
50 deg	21.39 kW	23.96 kW	+0.493 dB
100 deg	18.49 kW	19.19 kW	+0.16 dB
320 deg	20.70 kW	23.23 kW	+0.5 dB
330 deg.	21.16 kW	23.52 kW	+0.49 dB

In all other azimuths, the actual distance to contours is equal to or less than that authorized in BMPEDT-20040413AAJ. Accordingly, we do not believe a waiver of 47 CFR 73.169(c)(3) is required, but if the Commission determines a waiver is required, we hereby request said waiver.

Included with this Exhibit are the DIE TUA-C4SP-8/28M-1-T pattern plots and tabulations and a coverage map showing the calculated coverage area with each antenna.

WSKG TELECOMMUNICATIONS COUNCIL, INC
WSKA-DT

EXHIBIT 7 - 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 7 - TABLE 2

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

Elevation

Angle	Field
3.00	0.359
2.50	0.209
2.00	0.106
1.50	0.384
1.00	0.525
0.50	0.735
0.00	0.895
-0.25	0.948
-0.50	0.983
-0.75	1.000
-1.00	0.995
-1.25	0.968
-1.50	0.925
-1.75	0.866
-2.00	0.796
-2.50	0.625
-3.00	0.444
-3.50	0.288
-4.00	0.193
-4.50	0.176
-5.00	0.180
-5.50	0.162
-6.00	0.121
-6.50	0.089
-7.00	0.111
-7.50	0.161
-8.00	0.199
-8.50	0.210
-9.00	0.193
-9.50	0.152
-10.00	0.111

ERP (kW)	ERP (dBk)
3.22	5.081
1.09	0.382
0.28	-5.514
3.69	5.666
6.89	8.383
13.51	11.305
20.03	13.016
22.47	13.516
24.16	13.830
25.00	13.979
24.75	13.936
23.43	13.697
21.39	13.302
18.75	12.730
15.84	11.998
9.77	9.897
4.93	6.927
2.07	3.167
0.93	-0.309
0.77	-1.110
0.81	-0.915
0.66	-1.830
0.37	-4.365
0.20	-7.033
0.31	-5.114
0.65	-1.884
0.99	-0.044
1.10	0.424
0.93	-0.309
0.58	-2.384
0.31	-5.114

prepared by
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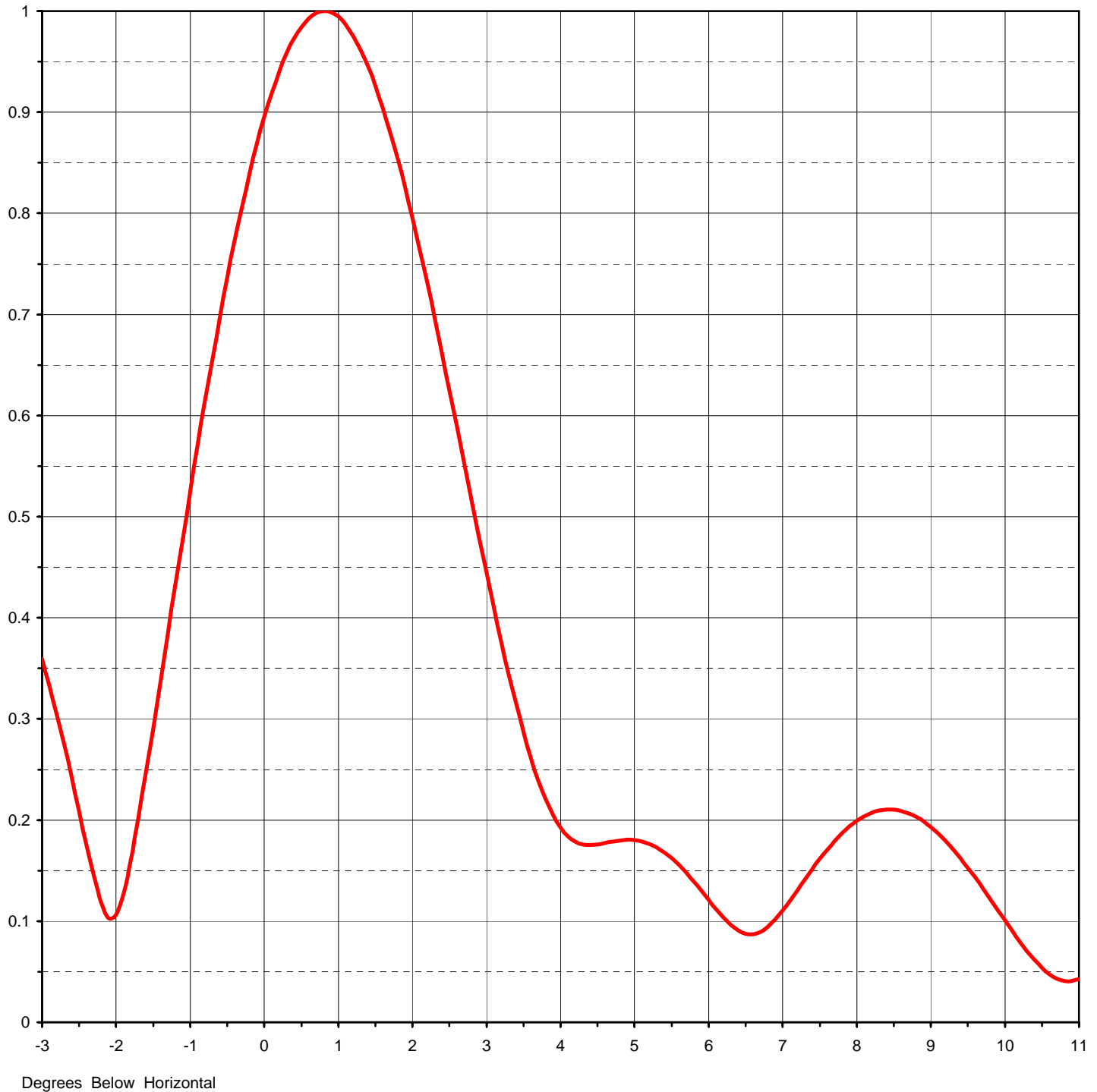
ERP= 25.0 kW
CALL WSKA-DT



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)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	11.50 (10.61 dB)	Frequency	569.00 MHz
Calculated / Measured	Calculated	Drawing #	08U153075

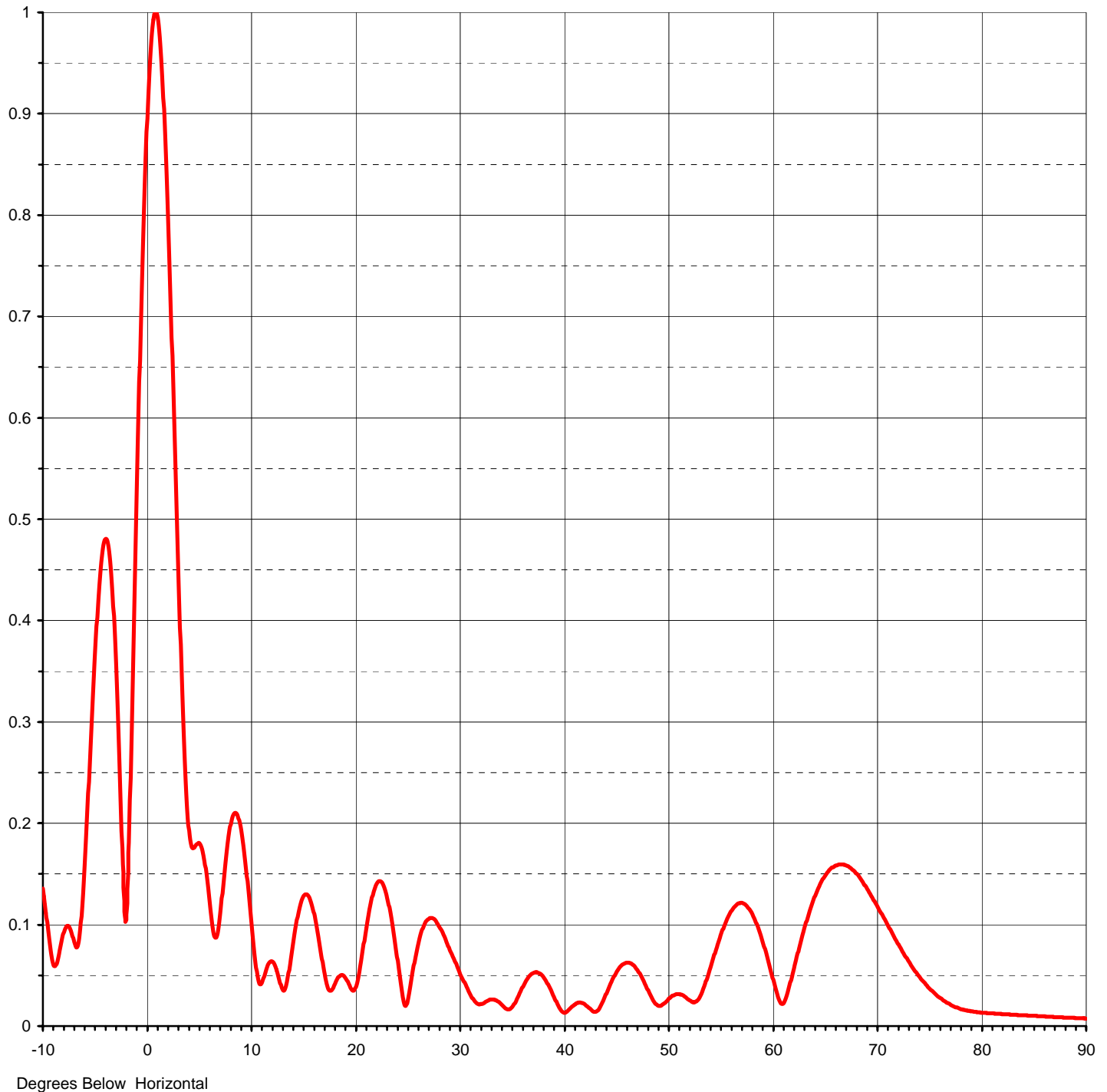




Proposal Number	DCA-11376	
Date	26-Jan-06	
Call Letters	WSKA-DT	Channel 30
Location	Corning, NY	
Customer		
Antenna Type	TUA-C4SP-8/28M-1-T	

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

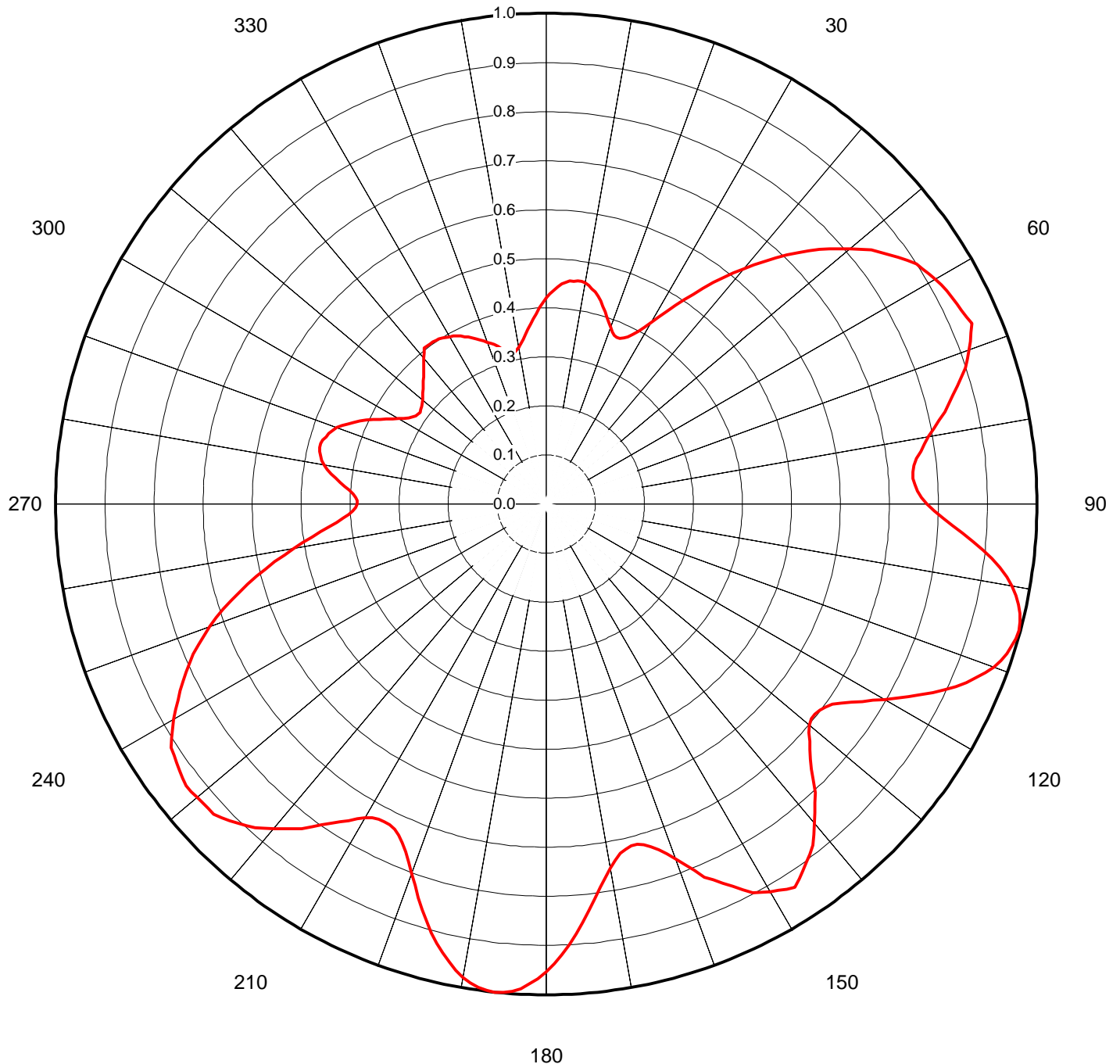
Frequency

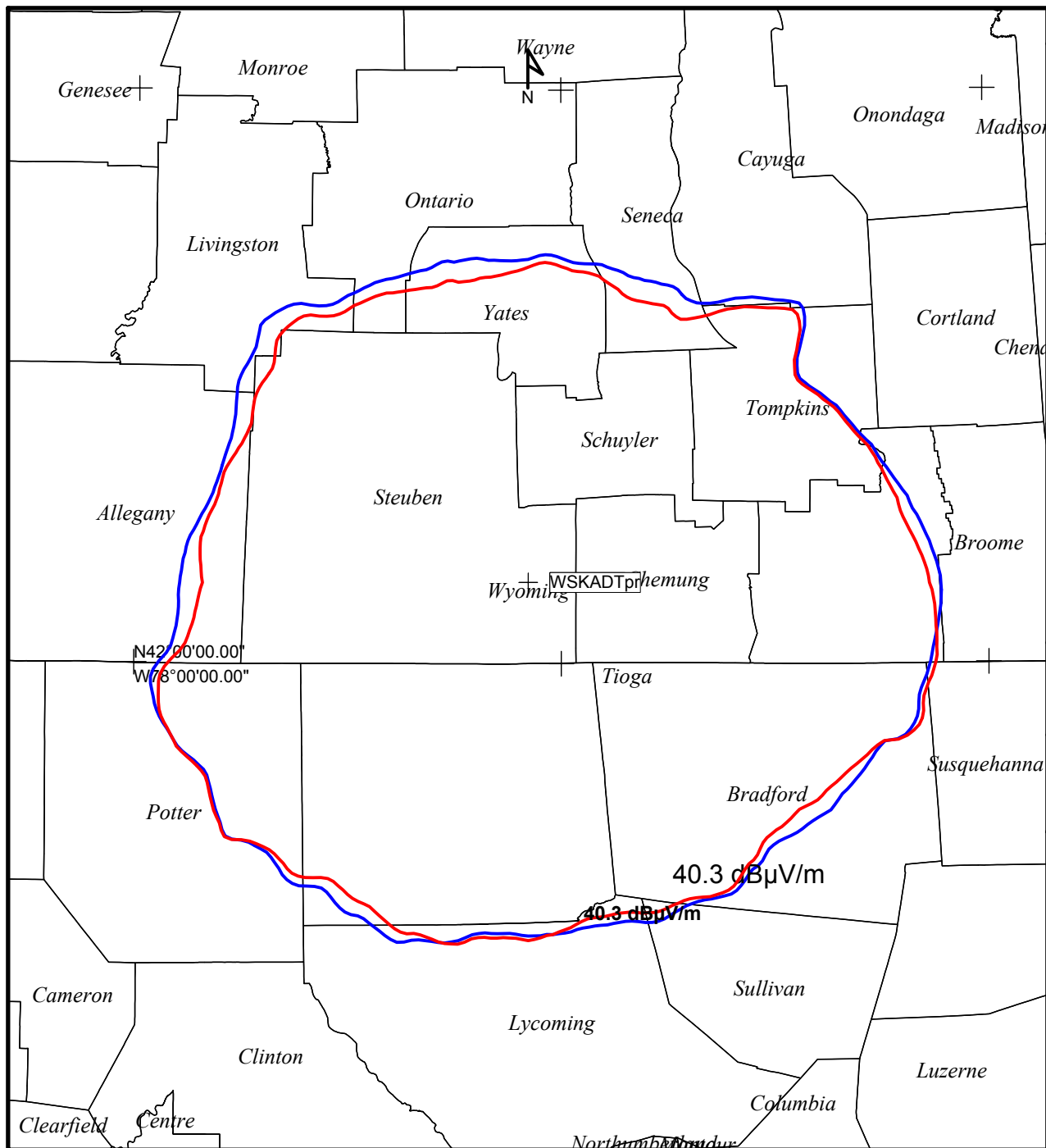
569.00 MHz

Drawing #

TUA-C4SP-5690

True North





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 <u>Interference contour study</u> Propagation methods: service contour : FCC-FCC 90.0% <div><div style="display: inline-block; width: 15px; height: 10px; background-color: red; border: 1px solid black;"></div> = 40.3 dBuV/m service contour <div style="display: inline-block; width: 15px; height: 10px; background-color: blue; border: 1px solid black;"></div> quick contours</div>	
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	
<div style="text-align: center;"><p>KILOMETERS</p><p>-25 0 25</p></div>	
<h2>COVERAGE MAP</h2> <p>WSKA-DT</p>	
FIGURE 7-A	7-10-2006