Proposal #: DCA-9854-1 Antenna Type: 888-24 O8 **46 NTSC** Channel: **42 DTV** Binghamton, NY Call Letters: WSKG Location:

Electrical Specifications		Value		D 1	
		Ratio	dB	Remarks	
RMS Gain at Main Lobe over Halfwave Dipole	Hpol Vpol	22.3	13.48	N46; D42: 21.6 (13.34 dB)	
RMS Gain at Horizontal over Halfwave Dipole	Hpol Vpol	17.3	12.38	N46; D42: 17.1 (12.33 dB)	
Peak Directional Gain over Halfwave Dipole	Hpol Vpol				
Peak Directional Gain at Horizontal over Halfwave Dipole	Hpol Vpol				
Circularity	·F	+/- 1.0 dB			
Axial Ratio		dB			
Beam Tilt		0.75 deg		N46; D42: 0.75 deg	
Peak TV Power 10% Aural Antenna Input: T/L		35 kW 6-1/8 in	15.44 dBk 75.0 ohm	+30 kW average DTV power Type: EIA/DCA	
Maximum Antenna Input VSWR		Channel	1.10 : 1	D42: Channel: 1.10:1	
Patterns Elevation Elevation			24I223075-90 24I216075-90	N46 D42	
Mechanical Specifications		Metric	English	Preliminary	
Height with Lightning Protector	H4	12.3 m	40.4 ft		
Height Less Lightning Protector	H2	11.1 m	36.4 ft		
Height of Center of Radiation	Н3	5.9 m	19.4 ft		
Basic Wind Speed	V	112.7 km/h	70 mi/h	TIA/EIA-222-F.	
Force Coeff. x Projected Area	CaAc	6.63 m ²	71.4 ft²	Above base flange Includes 1/2" ice	
Moment Arm	D1	5.8 m	18.9 ft	Above base flange Includes 1/2" ice	
Force Coeff. x Projected Area	CaAc	m²	ft²		
Moment Arm	D3	m	ft		
Pole Bury Length	D2	m	ft		
Weight W		2.9 t	6,400 lbs	Includes 1/2" ice	
Radome					
Antenna designed in accordance with AISC specifications for design of structural steel for building as prescribed by TIA/EIA-222-F.					

NOTE:

Approved By: EHM GS

Prepared By : Original Date : 6-Sep-01 Revision: 1 **Rev. Date:** 10-Jul-02

Dennis Wallace

From: Jay Martin < Jay.Martin@dielectric.com> Sent: Wednesday, June 28, 2017 2:35 PM

To: Dennis Wallace; Christine Zuba; Keith Pelletier

Subject: RE: WSKG Binghamton Info Needed

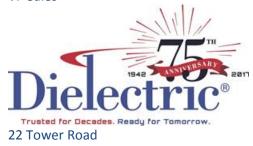
Dennis,

RMS gain at Channel 31 is 19.7.

Cheers,

Jay S. Martin

VP Sales



Mobile (207) 523-0990 Direct (207) 655-8138

Raymond, ME 04071









From: Jay Martin

Sent: Wednesday, June 28, 2017 2:24 PM

To: 'Dennis Wallace' < dennis.wallace@mswdtv.com >; Christine Zuba < Christine.Zuba@dielectric.com >; Keith Pelletier

<Keith.Pelletier@dielectric.com>

Subject: RE: WSKG Binghamton Info Needed

Dennis,

Attached is the original spec sheet on the 888-24 for WSKG. This was designed for 42 and 46. I will ask engineering to work up some numbers on the gain figures at the new channels however your client needs to know that this array is no longer supported.

Cheers,

Jay S. Martin

VP Sales



Mobile (207) 523-0990 Direct (207) 655-8138









From: Dennis Wallace [mailto:dennis.wallace@mswdtv.com]

Sent: Monday, June 26, 2017 1:57 PM

To: Christine Zuba < Christine.Zuba@dielectric.com >; Jay Martin < Jay.Martin@dielectric.com >; Keith Pelletier

<Keith.Pelletier@dielectric.com>

Subject: FW: WSKG Binghamton Info Needed

Any word on the request below?

I need the information asap.

Thanks, Dennis

From: Dennis Wallace [mailto:dennis.wallace@mswdtv.com]

Sent: Thursday, June 08, 2017 10:18 PM

To: Christine Zuba

Cc: Jay S. Martin; 'Dennis Wallace'

Subject: WSKG Binghamton Info Needed

Hi Christine -

Also working on WSKG in Binghamton NY.

I need information on the existing antenna. It is a Dielectric 888-24-08. (TCI?)

I need the gain information for the new channel 31 (they are moving to 31 from 42) to calculate the required TPO.

Are there any azimuth or elevation pattern changes for this antenna moving from 42 to 31?

Thanks,

Dennis Wallace Meintel, Sgrignoli, & Wallace, LLC 1282 Smallwood Drive, Suite 372 Waldorf, MD. 20603 (202) 251-7589

Email: Dennis.Wallace@mswdtv.com

Web Site: www.mswdtv.com



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