

## 73.215 CONTOUR SPACING STUDY

A 73.215 Contour Spacing Study is included here to show that the spacing to Channel 279B, FM Station WQNY, Ithaca, NY; Channel 281A, FM Station WWYL, Chenango Bridge, NY; and Channel 281B, FM Station WAEB-FM, Allentown, PA do not have any prohibited overlap with this WGMF-FM, Dushore Class A proposal. It should be first noted that this proposal is 99.8 km from the licensed WQNY Site. This is greater than the required 96 km set forth in the table in 73.215(e), thus the contour rules in 73.215 are allowed to be used here. It should also be noted that this proposal is 62.69 km from the licensed WWYL Site. This is greater than the required 49 km set forth in the table in 73.215(e), thus the contour rules in 73.215 are allowed to be used here. It should additionally be noted that this proposal is 106.85 km from the licensed WAEB-FM Site. This is greater than the required 96 km set forth in the table in 73.215(e), thus the contour rules in 73.215 are allowed to be used here.

Included as contour studies attached to this exhibit are; a contour study that shows the 54 dBu coverage contour (F(50,50)) and 54 dBu interference contour (F(50,10)) of WQNY, Channel 279B, Ithaca, NY (Based on 50 kw at 150m HAAT according to the WQNY record in the FCC database) and the 60 dBu coverage contour (F(50,50)), the 48 dBu interference contour (F(50,10)) of this WGMF-FM proposal; a contour study that shows the 60 dBu coverage contour (F(50,50)) and 54 dBu interference contour (F(50,10)) of WWYL, Channel 281A, Chenango Bridge, NY (Based on 6 kw at 100m HAAT according to the WWYL record in the FCC database) and the 60 dBu coverage contour (F(50,50)), the 54 dBu interference contour (F(50,10)) of this WGMF-FM proposal; and a contour study that shows the 54 dBu coverage contour (F(50,50)) and 54 dBu interference contour (F(50,10)) of WAEB-FM, Channel 281B, Allentown, PA (Based on 50 kw at 150m HAAT according to the WAEB-FM record in the FCC database) and the 60 dBu coverage contour (F(50,50)), the 48 dBu interference contour (F(50,10)) of this WGMF-FM proposal. These contour studies show that there is no contour overlap between these stations based on this proposal's operation at 900 watts ERP at 260.1 m HAAT directional. A scale of kilometers has been included on the contour maps. These maps were drawn to scale using the RF Software series of computer programs. All contour data based on the USGS 30 second terrain database.

# Contour Analysis

Kevin Fitzgerald

Job: WGMFFM Holly Hill.fmj

Master Database: 2021\_Jan\_24.fmd

Lat: N41:49:53 Lon: W076:26:33 NAD-83

Scale: 1:400000

Channel: 280 Class: A

Status: Licensed, Construction Permit, Application

Channels:

Range: 100 km, Clearance: -0.5km

Comments: No Comments

Description: WGMFFM, 103.9, Dushore, PA; Holly Hill Site; DA 900w; 73.215 Study to WQNY

rfInvestigator Version 3.8.16

by rfSoftware, Inc.

Date: 1/24/2021 10:23:18 PM

Key:

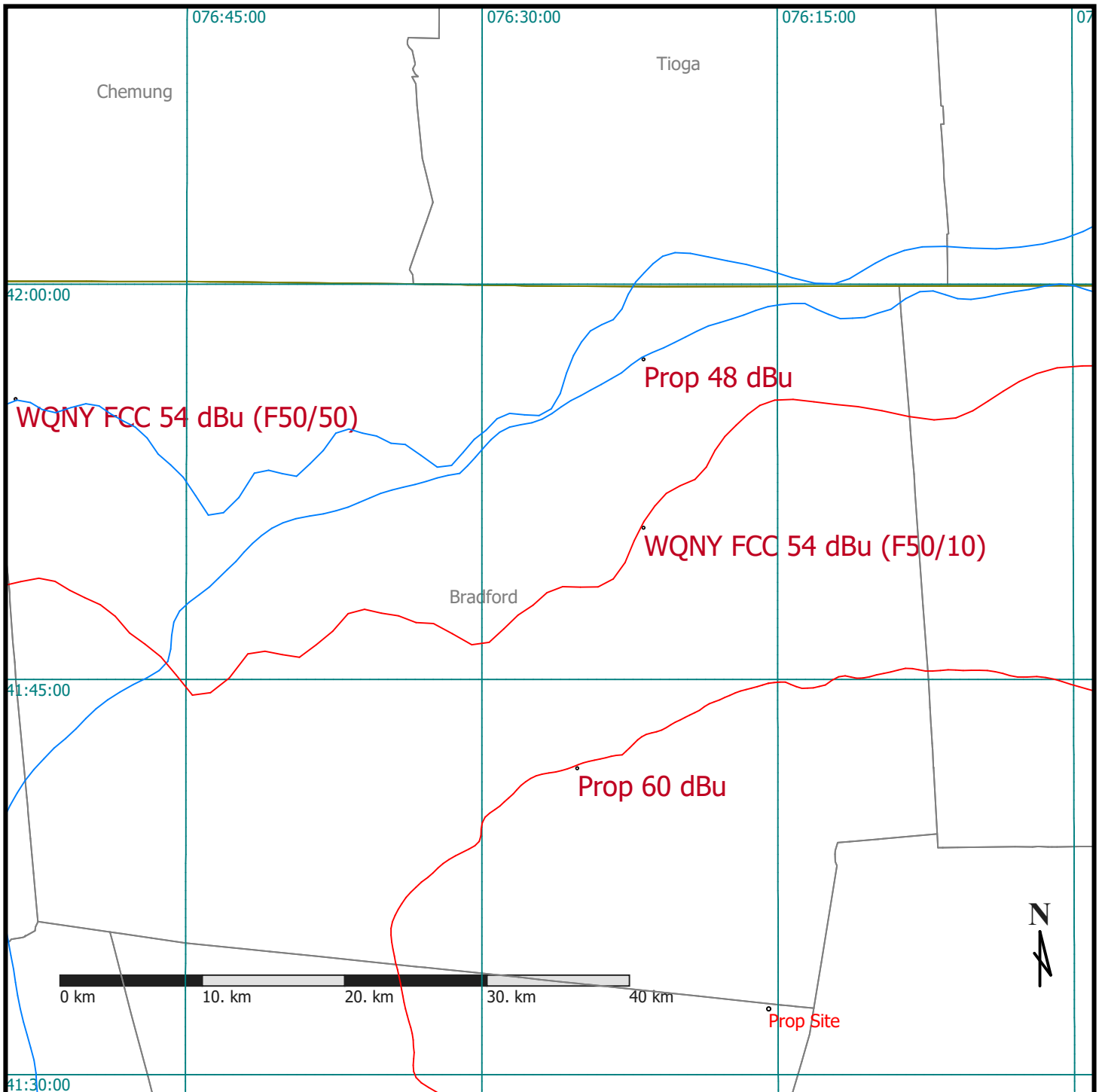
City Grade

Protected

Co-Channel

1st Adj

2nd/3rd Adj



# Contour Analysis

Kevin Fitzgerald

Job: WGMFFM Holly Hill 73.215 WWYL.fmj

Master Database: 2021\_Jan\_24.fmd

Lat: N41:49:47 Lon: W076:05:50 NAD-83

Scale: 1:150000

Channel: 280 Class: A

Status: Licensed, Construction Permit, Application

Channels:

Range: 100 km, Clearance: -0.5km

Comments: No Comments

Description: WGMFFM, 103.9, Dushore, PA; Holly Hill Site; DA 900w; 73.215 Study to WWYL

rfInvestigator Version 3.8.16

by rfSoftware, Inc.

Date: 1/24/2021 10:14:42 PM

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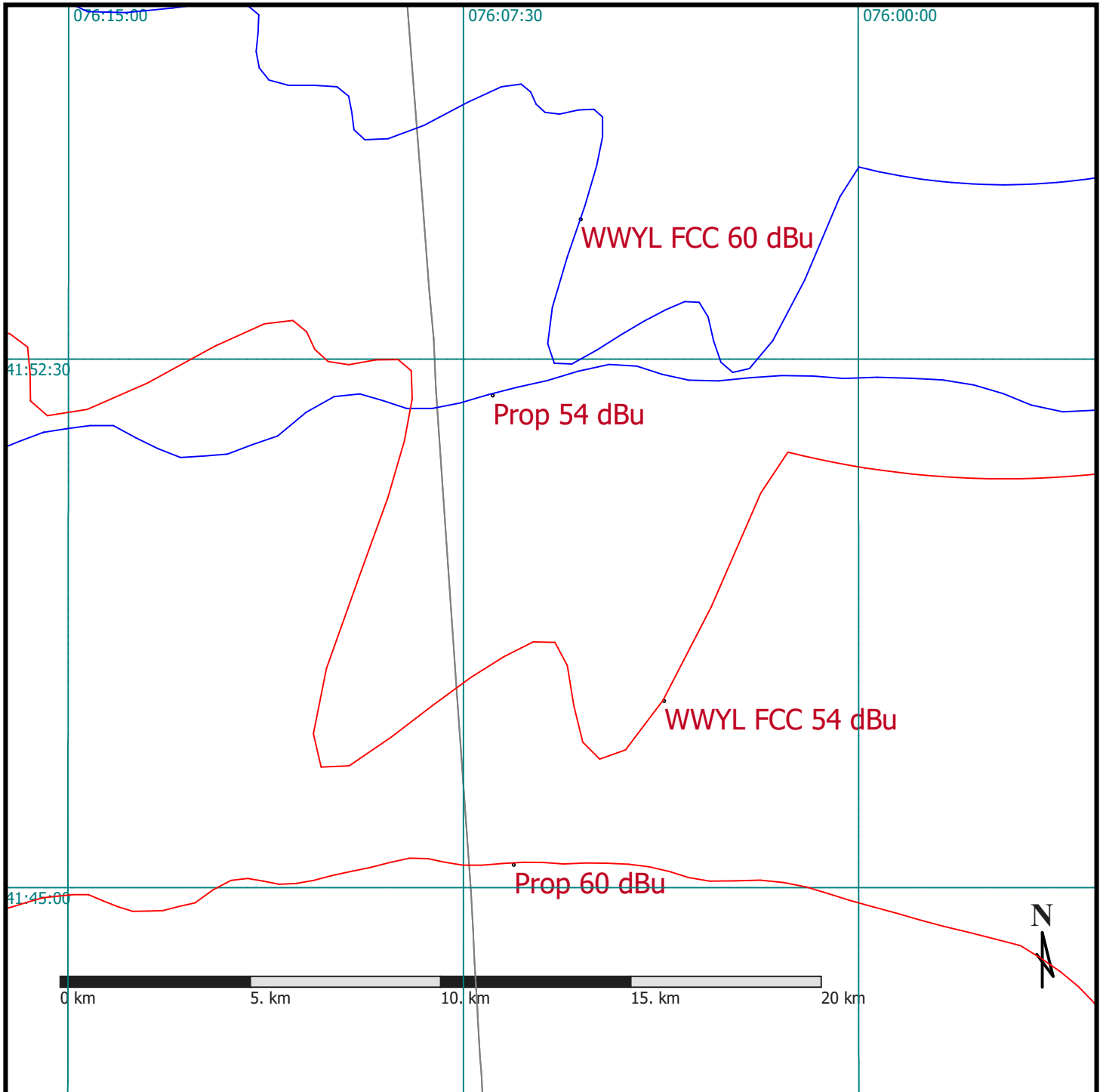
City Grade

Protected

Co-Channel

1st Adj

2nd/3rd Adj



# Contour Analysis

Kevin Fitzgerald

Job: WGMFFM Holly Hill 73.215 WAEBFM.fmj

Master Database: 2021\_Jan\_24.fmd

Lat: N41:20:25 Lon: W075:57:02 NAD-83

Scale: 1:300000

Channel: 280 Class: A

Status: Licensed, Construction Permit, Application

Channels:

Range: 100 km, Clearance: -0.5km

Comments: No Comments

Description: WGMFFM, 103.9, Dushore, PA; Holly Hill Site; DA 900w; 73.215 Study to WAEBFM

rfInvestigator Version 3.8.16

by rfSoftware, Inc.

Date: 1/24/2021 10:35:30 PM

Key:

City Grade

Protected

Co-Channel

1st Adj

2nd/3rd Adj

