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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of)	
)	
Amendment of Section 73.202(b),)	MB Docket No. 02-352
Table of Allotments,)	RM-10602
FM Broadcast Stations)	RM-10776
(Glenville, North Carolina))	RM-10777
)	

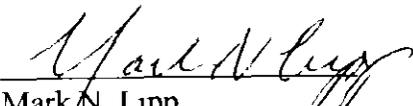
To: Marlene H. Dortch, Office of the Secretary
Attn Assistant Chief, Audio Division
Media Bureau

ERRATUM

The attached technical analysis was inadvertently omitted from the Reply Comments of the Stair Company filed in the above-captioned proceeding on September 10, 2003. Please associate this technical analysis with the Reply Comments.

Respectfully submitted,

THE STAIR COMPANY

By: 
 Mark N. Lipp
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Its Counsel

September 16, 2003

at 7

Technical Analysis Proposed 290A Clyde, NC

Introduction

The proposed allotment site for 290A Clyde, NC at 35-24-31 North Latitude 82-52-50 West Longitude is at an elevation of 1335 meters above mean sea level. Presuming a nominal 100-meter-tall tower, the center of radiation for the proposed facility will be at 1435 meters above mean sea level. This corresponds to a height above average terrain of 261 meters. A full facilities Class A at this elevation would operate with approximately 900 watts effective radiated power.

Coverage Issues

While such a facility meets the hypothetical coverage requirement, as it is within 16.1 kilometers or less from the most distant point in Clyde, it will not effectively provide 70 dBu coverage over the community. There are two terrain obstructions in the form of mountain ridges between the proposed site and Clyde. Each of these forms an impenetrable barrier to propagation. The first is just beneath Cold Mountain. The second is the saddle between Ratcliff and Pressley Mountains. The obstructions can be seen on the Terrain Profile¹ and their effect can be seen on the Shadowing Map². The darkened areas on the Shadowing Map represent gaps in the ridge, allowing line of sight to a few limited areas. All other areas, including all of Clyde, are in deep shadow.

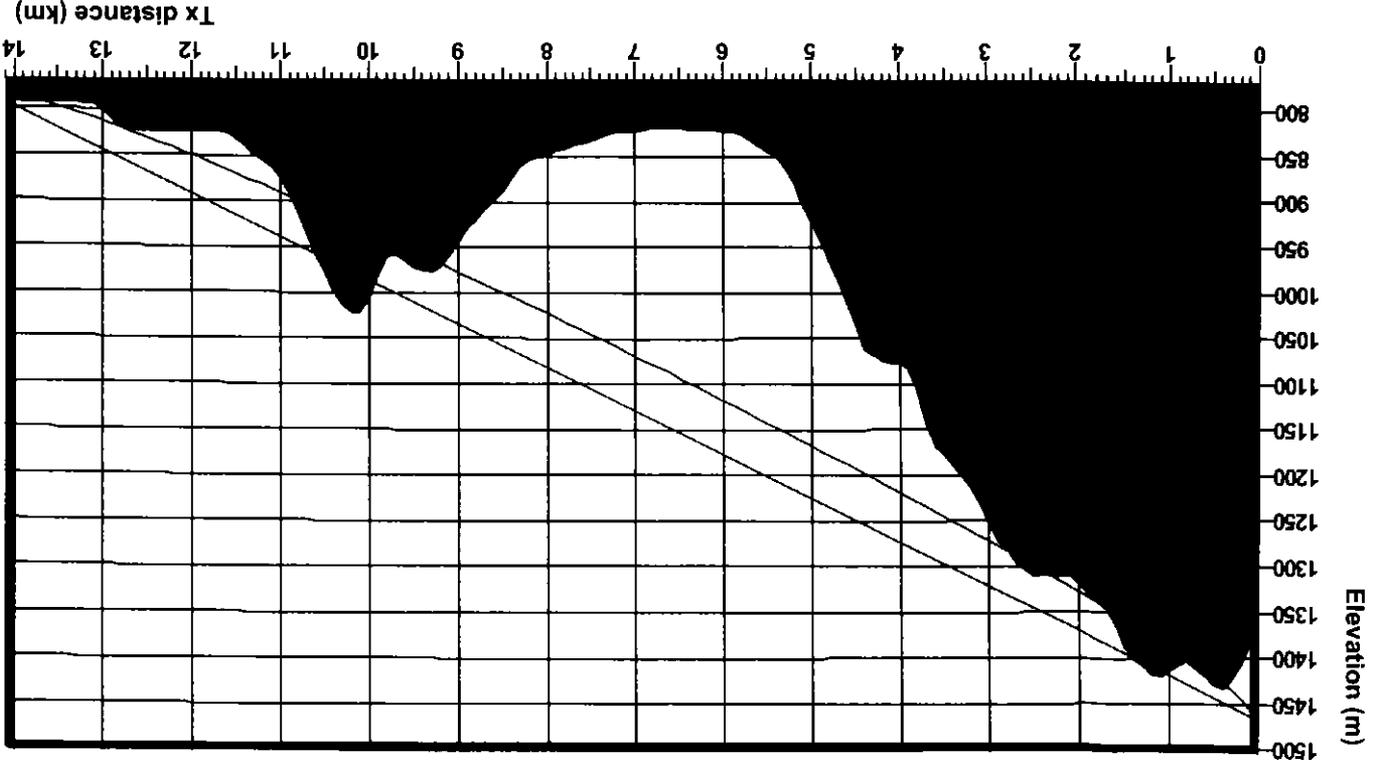
Conclusion

This site is not compliant with 47 CFR ¶ 73.315, insofar as a reasonably facility at this location will be insufficient to provide the requisite city grade coverage of the community of Clyde, NC.

¹ See "Link Study: 290A Clyde, NC Terrain Profile" Exhibit

² See "Areas With Line Of Sight To Proposed Allotment Site" Exhibit

Link Study: 290A Clyde, NC Terrain Profile



Transmitter Site Tx001
 Name Tx001
 Location
 N35°24'31.00" W82°52'50.00"
 Site elevation 1366.7 m
 Antenna height 100.0 m
 Pointing azimuth 348.8°
 Transmitter power 0.0005 kW
 Trans line loss 0.00 dB
 Other losses 0.00 dB
 Antenna gain 17.85 dBd
 Total ERP 0.05 kW

Name Tx001->Rx001
 Frequency 105.9000 MHz
 Polarization horizontal
 Length 14.13 km
 Number of obstacles 0
 Excess path loss 6.43 dB
 Antenna height 9.1 m
 Pointing azimuth 168.8°
 Trans line loss 0.00 dB
 Path loss for stats 102.36 dB
 Flat fade margin 55.69 dB
 Total fade margin 55.61 dB
 Annual rain outage 0.00 s
 Annual rain outage 0.00 s
 Link availability 99.9999 %

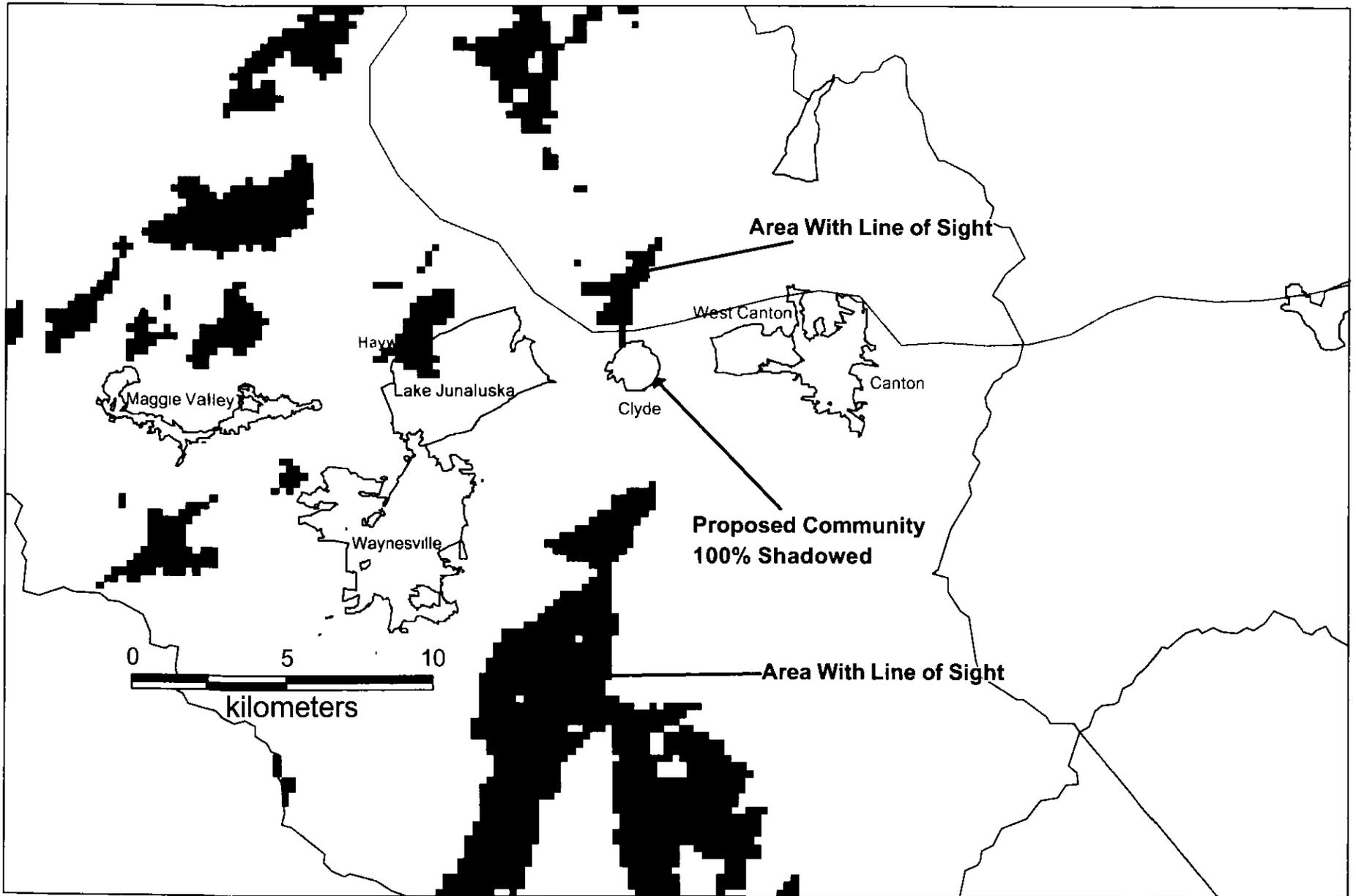
Receiver Site Rx001
 Name Rx001
 Location
 N35°32'00.00" W82°54'39.00"
 Site elevation 785.0 m
 Antenna height 9.1 m
 Pointing azimuth 168.8°
 Trans line loss 0.00 dB
 Other losses 0.00 dB
 Antenna gain 17.85 dBd
 Antenna file
 Received signal level -35.37 dBmW

Notes

Prop model FCC-FCC
 Time 50.00% Loc 50.00%
 Margin 0.00 dB
 Climate Continental Temperate
 Atm factor none
 K factors 1.333, 1.000, 1.000
 Reliability Analysis
 Fade outage method ITU-R 530-7
 ITU-R terrain type Inland
 ITU-R refract grad 20.0%
 External interf -150.0 dBmW
 Dispersive fade margin 80.0 dB
 Ant spacing (diversity) 0.0 m
 Rain outage method ITU-R Rec 530-7
 Rain region f

SIGNAL®

Presumes 100 Meter Tower at Allotment Site
C/R = 1435 Meters AMSL



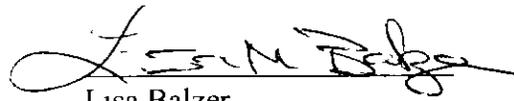
Areas With Line Of Sight To Proposed Allotment Site
290A Clyde, NC

CERTIFICATE OF SERVICE

I, Lisa Balzer, a secretary in the law firm of Vinson & Elkins, do hereby certify that I have on this 16th day of September, 2003, caused to be mailed by first class mail, postage prepaid, copies of the foregoing "**Erratum**" to the following:

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Lisa Balzer