

Non-Interference Compliance

Regarding Facility id 146650

Channel 293

Description of Exhibit 13 Contents

This exhibit demonstrates that the proposed facility complies with contour overlap and interference protection provisions in all of the applicable rule sections and that this application for a construction permit is in full compliance with 47 C.F.R. § 74.1204.

Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.

Page 2 of this exhibit is an explanation of the method used to demonstrate compliance with contour overlap and interference provisions based on 47 C.F.R. § 74.1204(d), which states:

[A]n application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.

Page 3 of this exhibit contains the tabulated data from the interference analysis, which shows all stations whose protected contours come within 50 km of the 34 dBμ F(50,10) contour of the proposed translator. These tabulated values were calculated using data from the FCC's CDBS files and 30 arc second terrain data. The column labeled "Adj" shows the number of channels difference between the entry and the proposed translator. The column labeled "Dist" shows the distance in km. The column labeled "Overlap" shows the area of contour overlap in square kilometers.

Page 4 of this exhibit is a portion of a USGS 1:24,000 scale 7.5 minute quadrangle at full scale with the calculated area of interference overlaid. The sheet includes the quadrangle name and measurement scale at the bottom-left corner (note: "Mt" refers to meters). The area of interference was calculated using the free space equation and 120 radials.

Page 5 of this exhibit is an aerial photo of the vicinity surrounding the proposed translator's tower site.

Note: The only structures within the zone of predicted interference are unoccupied communications buildings so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Compliance with 47 C.F.R. § 74.1204(d)

All authorized second and third adjacent stations with which the proposed translator has contour overlap are tabulated below. Column four show the station's signal level at the proposed translator's tower site, and column five gives the minimum value within the entire standard interfering contour of the proposed translator (100 dBμ for most classes, 94 for class B, 97 for class B1). The minimum second or third adjacent F(50,50) contour within the proposed translator's standard interfering contour was used to calculate the proposed translator's actual "worst-case" interfering contour.

Application_id	File Number	Callsign	Contour at Tower	Min. Contour
1338930	BLFT20091019AEJ	W295AY	81.7	80.1
208028	BLH19950410KB	WSTH-FM	68.4	68.4
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				68.4

FCC 02-244 at Section II.A.5 states that "when demonstrating that 'no actual interference will occur due to . . . other factors,' pursuant to Section 74.1204(d), an applicant may use the undesired-to-desired signal ratio method." The undesired-to-desired ratio for second and third adjacent stations required by § 74.1204(a) is 40 dB. Since the minimum protected contour strength within the proposed translator's standard interference contour is **68.4 dBμ**, this makes the proposed translator's worst-case interfering contour **108.4 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **168.7 m** from the transmit antenna.

The interfering contour of the proposed translator was calculated for 120 radials and plotted on the pertinent portion of a USGS quadrangle (page 4 of this exhibit). As demonstrated on the quadrangle, there are no populated structures or highways within the area of interference (Note: FCC 02-244 at Section II.A.6 states that USGS quadrangles "have been recognized as acceptable to demonstrate lack of population").

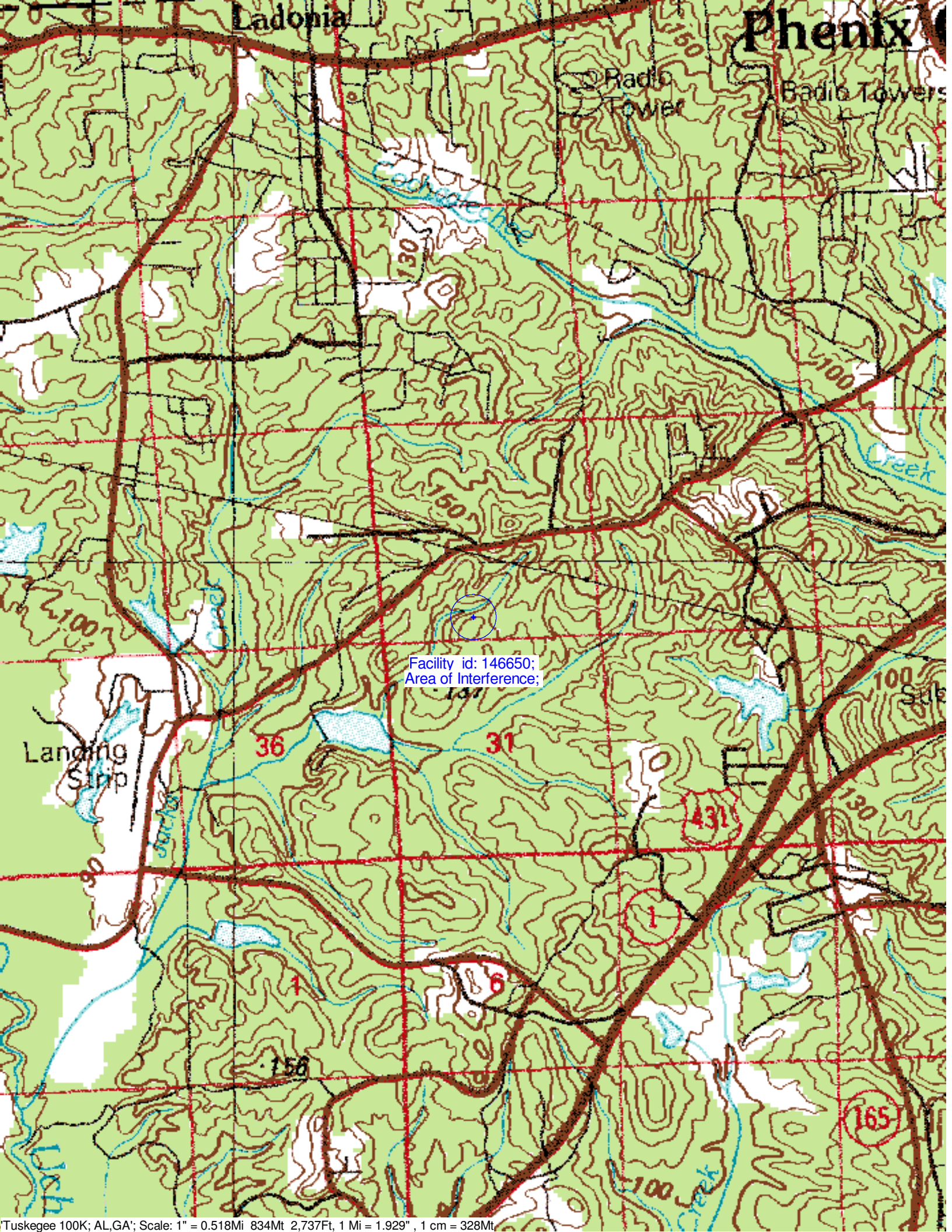
Note: The only structures within the zone of predicted interference are unoccupied communications buildings so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Antenna Manufacturer: SHI
Antenna Model: 6832-4
CORAGL: 118 m
Maximum ERP: 0.04 kW
Interfering Contour: 108.4 dBμ
Max Int. Contour Distance: 168.7 m

Adjacent Channel Study
For Station W293BV, Facility_id: 146650

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
1338930	141665	BLFT-20091019AEJ	W295AY	PMB BROADCASTING, LLC	D	CRYSTAL VALLEY	GA	LIC	0.25	231	295	2	4.1	0.2387
208028	60763	BLH-19950410KB	WSTH-FM	CC LICENSES, LLC	C1	ALEXANDER CITY	AL	LIC	86	544	291	2	52.7	0.2387
1415639	141199	BLFT-20110131APO	W293BI	AUBURN NETWORK, INC.	D	AUBURN	AL	LIC	0.25	232	293	0	43.2	0
1468138	141195	BLFT-20111121FIO	W293BK	MICHAEL BUTLER BROADCASTING, LLC	D	TALLASSEE	AL	LIC	0.25	267	293	0	81.6	0
1297796	29130	BMLD-20090121AEP	WZIQ	AUGUSTA RADIO FELOWSHIP INSTITUTE, INC.	A	SMITHVILLE	GA	LIC	2.45	244	293	0	104.2	0
1501821	64641	BMPH-20120525AFU	WQBZ	AMFM RADIO LICENSES, LLC	C2	FORT VALLEY	GA	CP MOD	50	252	292	1	109	0
1496468	190444	BSFH-20120112AHA	NEW	RADIO GEORGIA, INC.	A	MILNER	GA	APP	0	0	290	3	122.9	0
1507185	190444	BNPH-20120529AHL	NEW	RADIO GEORGIA, INC.	A	MILNER	GA	APP	6	307	290	3	123.1	0
152533	64641	BLH-19900921KD	WQBZ	AMFM RADIO LICENSES, LLC	C2	FORT VALLEY	GA	LIC	48	268	292	1	128.9	0
96613	73179	BLH-19870105KB	WKMX	GULF SOUTH COMMUNICATIONS, INC.	C	ENTERPRISE	AL	LIC	100	422	294	1	141.2	0



Ladonia

Phenix

Radio Tower

Radio Towers

Facility id: 146650;
Area of Interference;

Landing Strip

