

Non-Interference Compliance

Regarding Facility id 151736

Channel 232

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: There are no occupied buildings or major roads within the zone of interference 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
153863	BLH19901029KC	WMTM-FM	68.7	68.6
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				68.6

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 **68.6 dBμ**, this makes the proposed translator's worst-case interfering contour **108.6 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **82.4 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").

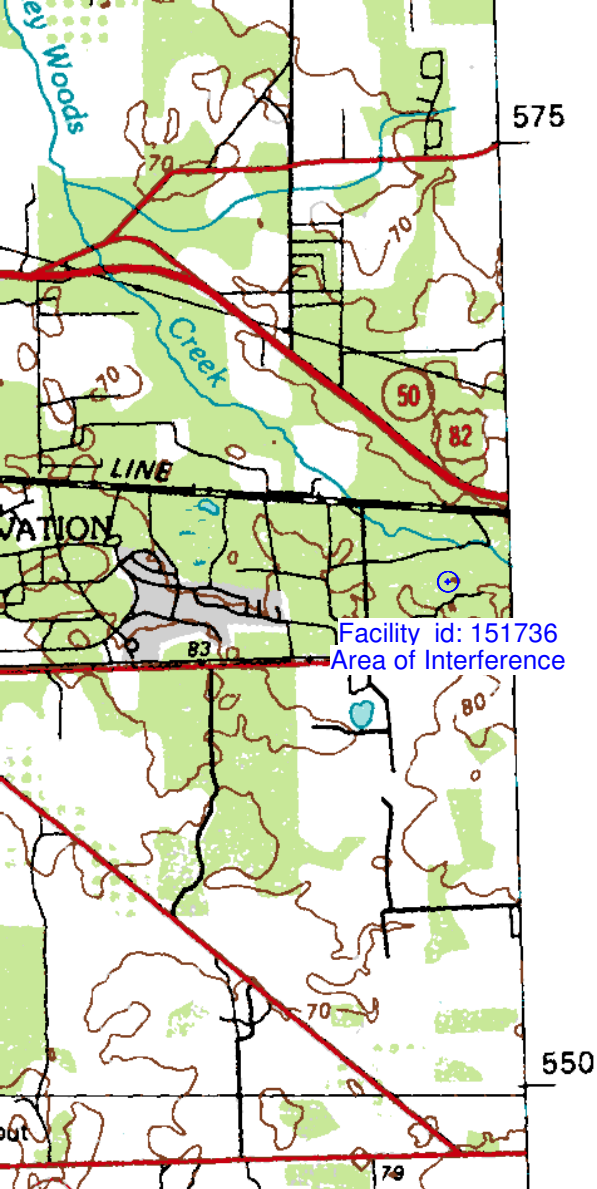
Note: There are no occupied buildings or major roads within the zone of interference so a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Antenna Manufacturer:	NIC
Antenna Model:	BKG77
CORAGL:	229 m
Maximum ERP:	0.01 kW
Interfering Contour:	108.6 dBμ
Max Int. Contour Distance:	82.4 m

Adjacent Channel Study
For Station W232BI, Facility_id: 151736

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Char	Adj	Dist	Overlap
153863	12381	BLH-19901029KC	WMTM-FM	COLQUITT BROADCASTING COV	C1	MOULTRIE	GA	LIC	100	261	230	2	42.5	0.0597
1666307	196652	BLL-20150120AHR	WMCZ-LP	MITCHELL CO HIGH SCHOOL	L1	CAMILLA	GA	LIC	0	74.6	233	1	40.6	0
222665	63786	BLH-19960401KA	WDEC-FM	SUMTER BROADCASTING CO., IN	C3	AMERICUS	GA	LIC	25	205	234	2	48.6	0
1303664	165968	BLH-20090326ADU	WLEL	SUMMER ROSE BROADCASTING	A	ELLAVILLE	GA	LIC	4.8	230	232	0	81.1	0
1423443	51590	BMLH-20110408ABN	WTNT-FM	CLEAR CHANNEL BROADCASTIN	C1	TALLAHASSEE	FL	LIC	98	303	235	3	110.7	0
1363373	23615	BMLD-20100412AB	WIZB	RADIO TRAINING NETWORK, INC	C3	ABBEVILLE	AL	LIC	19.5	211	232	0	122.4	0
602557	52551	BLH-20020529ABR	WPEZ	CUMULUS LICENSING LLC	C1	JEFFERSONVILLE	GA	LIC	100	321	229	3	140.2	0
1179191	61095	BMLH-20070403ABX	WBYZ	SOUTH GEORGIA BROADCASTE	C0	BAXLEY	GA	LIC	100	370.1	233	1	149.6	0



National or State reservation boundary

Land grant boundary

U. S. public lands survey: range, township; section

Range, township; section line: protracted

Power transmission line; pipeline

Dam; dam with lock

Cemetery; building

Windmill; water well; spring

Mine shaft; edit or cave; mine, quarry; gravel pit

Campground; picnic area; U. S. location monument

Ruins; cliff dwelling

Distorted surface: strip mine, lava; sand

Contours: index; intermediate; supplementary

Bathymetric contours: index; intermediate

Stream, lake: perennial; intermittent

Rapids, large and small; falls, large and small

Area to be submerged; marsh, swamp

Land subject to controlled inundation; woodland

Scrub; mangrove

Orchard; vineyard

A pamphlet describing topographic maps is

Cavell, Mertz & Associates

151736 - Proposed 108.6 dBu

Google earth

Google earth

feet
meters

