

Non-Interference Compliance

Regarding Facility id 151402

Channel 243

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.

Note: The adjacent channel study on page 3 indicates prohibitive co-channel overlap with license for W243AQ, BLFT-20070228AAS. W243AQ is being moved to Lake City via 250 mile translator CP, BPFT-20160809AAU. Applicant requests that proposed W243DO be granted a CP contingent on the construction and licensing of W243AQ according to authorization BPFT-20160809AAU.

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 structure within the zone of predicted interference is an unoccupied communications building 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
120105	BLH19881109KA	WEJZ	98.2	96.5
1538044	BMLH20130124AAR	WJGL	88.3	88.3
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				88.3

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 **88.3 dBμ**, this makes the proposed translator's worst-case interfering contour **128.3 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **26.8 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 structure within the zone of predicted interference is an unoccupied communications building 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:	6812B-2(1)
CORAGL:	112 m
Maximum ERP:	0.099 kW
Interfering Contour:	128.3 dBμ
Max Int. Contour Distance:	26.8 m

Adjacent Channel Study **For Station W243DO, Facility_id: 151402**

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Char	Adj	Dist	Overlap
1174716	146781	BLFT-20070228AAS	W243AQ	DOCKINS COMMUNICATIONS, INC.	D	MACCLENNEY	FL	LIC	0.027	122	243	0	38.3	13.909
120105	55706	BLH-19881109KA	WEJZ	REDA BROADCASTING CORP. (C)	C0	JACKSONVILLE	FL	LIC	100	304	241	2	11.1	0.5908
1538044	53590	BMLH-20130124AAR	WJGL	COX RADIO, INC.	C0	JACKSONVILLE	FL	LIC	98.8	315	245	2	20.2	0.5908
1656394	146784	BLFT-20141118ARM	W243AW	PHILLIPS BROADCASTING, LLC	D	MIDDLEBURG	FL	LIC	0.25	144	243	0	69.9	0
1439634	158533	BLFT-20110811ABI	W246BY	CIRCUITWERKES, INC.	D	LAKE CITY	FL	LIC	0.08	124	246	3	88.5	0
1155229	165943	BLH-20061010AOI	WJTK	NEWMAN BROADCASTING, INC.	A	COLUMBIA CITY	FL	LIC	5	145.8	243	0	88.5	0
1688457	141780	BPFT-20150918AAY	W242CJ	AMFM RADIO LICENSES, L.L.C.	D	BRUNSWICK	GA	CP	0.22	133	242	1	91.7	0
1634207	141780	BLFT-20140418AAK	W242CJ	AMFM RADIO LICENSES, L.L.C.	D	BRUNSWICK	GA	LIC	0.25	88	242	1	92.4	0
1731308	139043	BMPFT-20160623AAI	W242CS	MARC RADIO GAINESVILLE, LLC	D	GAINESVILLE	FL	CP MOD	0.25	94	242	1	97.4	0
1436586	140868	BLFT-20110721ALI	W242BE	SATILLA BROADCAST PROPERT	D	WAYCROSS	GA	LIC	0.25	159	242	1	107.8	0
1198753	150097	BLFT-20070806AAT	K246BI	RADIO ASSIST MINISTRY, INC.	D	WINSLOW	AZ	LIC	0.025	1483	246	3	2747.	0
1488389	190224	BNPH-20120221ACZ	NEW	GRENAX BROADCASTING II, LLC	C2	MUNDS PARK	AZ	APP	5	2622	246	3	2821.	0

4844 IV NE
(DINSMORE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



