

Non-Interference Compliance

Regarding Facility id 151004

Channel 265

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.

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
937028	BMLH20040112ADF	WJDQ	79.8	79.8
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				79.8

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 **79.8 dBμ**, this makes the proposed translator's worst-case interfering contour **119.8 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **113.5 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 in accordance with 47 C.F.R. § 74.1204(d) and the clarification provided by the FCC in the decision *Re: Living Way Ministries* (FCC 02-244), 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
CORAGL: 84 m
Maximum ERP: 0.25 kW
Interfering Contour: 119.8 dBμ
Max Int. Contour Distance: 113.5 m

Adjacent Channel Study **For Station W264CI, Facility_id: 151004**

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Char	Adj	Dist	Overlap
937028	7067	BMLH-20040112ADF	WJDQ	MISSISSIPPI BROADCASTERS, LI	C1	MERIDIAN	MS	LIC	100	301	267	2	22.7	1.4918
1726023	139515	BLFT-20160407ABQ	W263CF	MAX ONE COMMUNICATIONS, IN	D	MERIDIAN	MS	LIC	0.01	265	263	2	21.9	0
1148341	16784	BMLH-20060918AHV	WNSL	CC LICENSES, LLC, AS DEBTOR	C0	LAUREL	MS	LIC	100	394	262	3	115.5	0
1729217	151030	BLFT-20160518ABE	W266CT	ETERNITY MEDIA GROUP LLC	D	LAUREL	MS	LIC	0.25	313	266	1	121.4	0
1780899	200473	BNPFT-20180326AAI	W267CZ	TTI, INC.	D	TUSCALOOSA	AL	CP	0.099	253	267	2	123.2	0
1796486	148566	BLFT-20181127AAN	W265CG	TOWNSQUARE MEDIA TUSCALO	D	TUSCALOOSA	AL	LIC	0.25	267	265	0	123.2	0
1221766	70914	BLH-20071210ADE	WJQX	RADIO LICENSE HOLDING CBC, I	C1	HELENA	AL	LIC	69	430.4	263	2	137.8	0
1731138	6194	BLH-20160616AAU	WKBB	TELESOUTH COMMUNICATIONS,	C2	MANTEE	MS	LIC	47	230	265	0	145.3	0
1290723	950	BLH-20090130AAJ	WALX	SCOTT COMMUNICATIONS, INC.	C2	ORRVILLE	AL	LIC	50	202	265	0	150.4	0

Intermediate Frequencies (53 and 54 channels difference):

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Clr
1550908	171740	BLED-20130411AAO	WWQD	THE POWER FOUNDATION	A	DEKALB	MS	LIC	4	189.9	212	53	32.7	22.7



