

Non-Interference Compliance

Regarding Facility id 152544

Channel 282

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 building within the zone of predicted interference is the uninhabited communications building at the base of the tower 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
1073073	BLH20050715ABX	WWKZ	106.2	102.1
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				102.1

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 **102.1 dBμ**, this makes the proposed translator's worst-case interfering contour **142.1 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **8.7 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 building within the zone of predicted interference is the uninhabited communications building at the base of the tower 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:	ARM
Antenna Model:	FMA707-2(FW)
CORAGL:	122 m
Maximum ERP:	0.25 kW
Interfering Contour:	142.1 dBμ
Max Int. Contour Distance:	8.7 m

Adjacent Channel Study **For Station W282AS, Facility_id: 152544**

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1073073	64364	BLH	20050715ABX	WWKZ	CITICASTERS LICENSES, INC.	C2	OKOLONA	MS	LIC	50	211	280	2	3.7	1.4918
532133	0	RM	10053	Null		C2	OKOLONA	MS	USE	0	0	280	2	45.2	0
151897	59614	BLH	19900827KB	WKZU	KUDZU COMMUNICATIONS, INC.	C2	IUKA	MS	LIC	50	290	285	3	65.9	0
288464	59614	Null	Null	WKZU	KUDZU COMMUNICATIONS, INC.	C2	IUKA	MS	USE	0	0	285	3	76.7	0
1186894	152536	BLFT	20070521AAU	W279AZ	GERALD W. HUNT	D	IUKA	MS	LIC	0.027	242	279	3	78.8	0
298735	84267	Null	Null	961115MI	OLVIE E. SISK	C3	STATE COLLEGE	MS	USE	0	0	283	1	94.8	0
1220722	84434	BLH	20071126AAI	WQJB	GEORGE S. FLINN, JR.	C3	STATE COLLEGE	MS	LIC	12	226	283	1	96.8	0
1444618	76174	BPFT	20110921AAL	W280DA	BIBLE BROADCASTING NETWORK, INC.	D	FLORENCE	AL	CP	0.055	221	280	2	109.7	0
650980	157552	BNPFT	20030317LNG	NEW	OHIO BROADCAST ASSOCIATES	D	FLORENCE	AL	APP	0.25	206	284	2	112.3	0
224149	76174	BLFT	19960430TJ	W280DA	BIBLE BROADCASTING NETWORK, INC.	D	FLORENCE	AL	LIC	0.08	197	280	2	112.3	0
1180690	152550	BLFT	20070406AAI	DW281AF	HORIZON CHRISTIAN FELLOWSHIP	D	SARDIS	MS	LIC	0.018	177	281	1	115.5	0
631644	140342	BNPFT	20030317AOA	NEW	CLEAR CHANNEL BROADCASTING LICENSES, I	D	FLORENCE	AL	APP	0.25	213	284	2	118.1	0
1223226	64673	BLH	20071205ADG	WGNL	TEAM BROADCASTING COMPANY, INC.	C2	GREENWOOD	MS	LIC	50	148	282	0	141.1	0
295478	34375	Null	Null	WRVR	ENTERCOM MEMPHIS LICENSE, LLC	C1	MEMPHIS	TN	USE	0	0	283	1	144.9	0
506020	34375	BLH	20000706ADN	WRVR	ENTERCOM MEMPHIS LICENSE, LLC	C1	MEMPHIS	TN	LIC	100	322	283	1	144.9	0
1403341	34375	BXPH	20101021ACZ	WRVR	ENTERCOM MEMPHIS LICENSE, LLC	C1	MEMPHIS	TN	CP	22	233	283	1	144.9	0
295382	14743	Null	Null	WOGY	FOREVER SOUTH LICENSES, LLC	C1	JACKSON	TN	USE	0	0	281	1	157.1	0
1198614	14743	BLH	20070815AAD	WOGY	FOREVER SOUTH LICENSES, LLC	C1	JACKSON	TN	LIC	100	334	281	1	157.2	0

Intermediate Frequencies (53 and 54 channels difference):

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Clr
288829	51086	Null	Null	WQLJ	TELESOUTH COMMUNICATIONS, INC.	C3	OXFORD	MS	USE	0	0	229	53	95.2	83.2
234295	51086	BLH	19961015KG	WQLJ	TELESOUTH COMMUNICATIONS, INC.	C3	OXFORD	MS	LIC	13	240	229	53	95.2	83.2



