

Non-Interference Compliance

Regarding Facility id 138526

Channel 298

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
178478	BLH19921105KB	WZZS	74	73.6
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				73.6

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 **73.6 dBμ**, this makes the proposed translator's worst-case interfering contour **113.6 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **63.9 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"). Hence, 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: SWR
Antenna Model: FM1
CORAGL: 113 m
Maximum ERP: 0.019 kW
Interfering Contour: 113.6 dBμ
Max Int. Contour Distance: 63.9 m

Adjacent Channel Study
For Station W299AU, Facility_id: 138526

Co-channel through third adjacent:

App_id	Fac_id	File_Number	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Chan	Adj	Dist	Overlap
178478	64699	BLH-19921105KB	WZZS	HEARTLAND BROADCASTING CORP.	A	ZOLFO SPRINGS	FL	LIC	5	127	295	3	12.6	0.2937
1571787	145128	BNPFT-20130829AEN	NEW	RADIO TRAINING NETWORK, INC.	D	LAKE WALES	FL	APP	0.055	89	299	1	55.5	0
637651	145128	BNPFT-20030317AKT	NEW	RADIO TRAINING NETWORK, INC.	D	LAKE WALES	FL	APP	0.055	89	299	1	55.5	0
1569369	138523	BNPFT-20130826ABU	NEW	CALVARY CHAPEL CHURCH, INC.	D	LAKE WALES	FL	APP	0.019	126	297	1	55.8	0
1562850	138523	BNPFT-20030313AIZ	NEW	CALVARY CHAPEL CHURCH, INC.	D	LAKE WALES	FL	APP	0.019	126	298	0	55.8	0
1568352	156390	BNPFT-20130809ACF	NEW	CORNERSTONE COMMUNITY RADIO, INC.	D	PORT CHARLOTTE	FL	APP	0.25	30	296	2	60.5	0
1568863	156390	BNPFT-20130809ACF	NEW	CORNERSTONE COMMUNITY RADIO, INC.	D	PORT CHARLOTTE	FL	APP	0.25	30	296	2	60.5	0
1550772	156390	BNPFT-20030317HFI	NEW	CORNERSTONE COMMUNITY RADIO, INC.	D	PORT CHARLOTTE	FL	APP	0.25	30	296	2	60.5	0
1569448	139198	BNPFT-20130821ABY	NEW	UNIVERSITY CF NORTHWESTERN-ST. PAUL	D	LAKELAND	FL	APP	0.032	116	296	2	64.6	0
1558536	139198	BNPFT-20030314CFS	NEW	UNIVERSITY CF NORTHWESTERN-ST. PAUL	D	LAKELAND	FL	APP	0.05	84	296	2	64.6	0
1567356	142420	BNPFT-20130823ABD	NEW	CENTRAL FLORIDA EDUCATIONAL FOUNDATION,	D	AUBURNDALE	FL	APP	0.038	100	298	0	66.3	0
1551582	142420	BNPFT-20030312AQL	NEW	CENTRAL FLORIDA EDUCATIONAL FOUNDATION,	D	AUBURNDALE	FL	APP	0.038	100	298	0	66.3	0
1551585	142414	BNPFT-20030312AQV	NEW	CENTRAL FLORIDA EDUCATIONAL FOUNDATION,	D	LAKELAND	FL	APP	0.055	92	300	2	70.3	0
1567358	142414	BNPFT-20130823ABC	NEW	CENTRAL FLORIDA EDUCATIONAL FOUNDATION,	D	LAKELAND	FL	APP	0.055	92	300	2	70.3	0
1341578	140532	BLFT-20091106AEW	W295BH	FLORIDA TALK RADIO LLC	D	SARASOTA	FL	LIC	0.055	60	295	3	70.9	0
994047	48673	BLH-20040518AAS	WSRZ-FM	CITICASTERS LICENSES, INC.	C2	CORAL COVE	FL	LIC	47	157	300	2	75.2	0
1563371	140474	BLFT-20130722ABT	W298AV	KENNETH W. KUENZIE	D	ENGLEWOOD	FL	LIC	0.25	56	298	0	76.7	0
503815	74199	BLH-20000606ACQ	WXGL	COX RADIO, INC.	C1	ST. PETERSBURG	FL	LIC	100	186	297	1	104.6	0



