[Exhibit 13]

Non-Interference Compliance

Regarding Facility id 151894 Channel 255

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 buildings within the zone of predicted 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
1096023	BLH20051104ACY	WHHD	65.5	65
279414	BLH19981229KB	WKXC-FM	64.6	64.6
			Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour	**64.6**

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 **64.6 dBµ**, this makes the proposed translator's worst-case interfering contour **104.6 dBµ.** By the free-space equation, this contour is calculated to extend a maximum of **546.4 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 buildings within the zone of predicted 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:	**SCA**
Antenna Model:	**FMV1**
CORAGL:	**9 m**
Maximum ERP:	**0.175 kW**
Interfering Contour:	**104.6 dBµ**
Max Int. Contour Distance:	**546.4 m**

Adjacent Channel Study
For Station W255AS, Facility_id: 151894

Co-channel through third adjacent:

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1102221	24148	BXLH	20051209AFD	WHHD	WAEC LICENSE LIMITED PARTNERSHIP	C3	CLEARWATER	SC	LIC	6.2	242.8	252	3	28.4	1.0443
1096023	24148	BLH	20051104ACY	WHHD	WAEC LICENSE LIMITED PARTNERSHIP	C3	CLEARWATER	SC	LIC	11.5	242.8	252	3	28.4	1.0443
279414	24147	BLH	19981229KB	WKXC-FM	WAEC LICENSE LIMITED PARTNERSHIP	C2	AIKEN	SC	LIC	24	341	258	3	45	1.0443
1296378	171006	BNPH	20070502ABB	NEW	GLORY COMMUNICATIONS, INC.	A	LINCOLNTON	GA	CP	0.5	243.8	254	1	28.7	0
1185824	156940	BLFT	20070514ABD	W252BH	RADIO TRAINING NETWORK, INC.	D	WASHINGTON	GA	LIC	0.027	193	252	3	39	0
1185823	157114	BLFT	20070514ABC	W254BN	RADIO TRAINING NETWORK, INC.	D	SPARTA	GA	LIC	0.055	184	254	1	61.1	0
1181619	151860	BLFT	20070413AFL	W254AR	RADIO ASSIST MINISTRY, INC.	D	SANDERSVILLE	GA	LIC	0.038	183	254	1	71.4	0
642406	149561	BNPFT	20030317LEF	NEW	EDGEWATER BROADCASTING, INC.	D	GREENWOOD	SC	APP	0.01	321.7	253	2	81	0
649507	156229	BNPFT	20030317KUC	NEW	TABERNACLE BAPTIST COLLEGE	D	GREENWOOD	SC	APP	0.027	228	253	2	81	0
167840	54879	BLH	19911211KF	WBAW-FM	BULLIE BROADCASTING CORPORATION	C3	BARNWELL	SC	LIC	25	161	256	1	100.5	0
1356411	184539	BNPED	20100219ABC	NEW	BARNWELL COMMUNITY RADIO	C3	BARNWELL	SC	APP	25	177	256	1	101.1	0
1357610	184828	BNPED	20100226AGA	NEW	ST. ANDREW ROMAN CATHOLIC CHURCH	C3	BARNWELL	SC	APP	14.5	210.7	256	1	102.9	0
1086057	37200	BLH	20051110AAA	WOMG	RADIO LICENSE HOLDING XII, LLC	A	LEXINGTON	SC	LIC	6	212	253	2	115.9	0
566716	46996	BLH	20010530AAX	WDEN-FM	CUMULUS LICENSING LLC	C1	MACON	GA	LIC	100	290	256	1	137.1	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
192137	54859	BLED	19931122KD	WAFJ	RADIO TRAINING NETWORK, INC.	C2	BELVEDERE	SC	LIC	4.5	497	202	53	51.7	36.7

Prepared by Gene Wisniewski
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'Winfield; GA'; Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt


151894 - Proposed 104.6 dBu
WRL-GA127B
Bill Dorn Rd
Raney Morris Rd
Carl Sanders Hwy
White Oak Rd
White Oak Campground Rd
20
501 m
Image USDA Farm Service Agency
© 2011 Google
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Imagery Date: 6/25/2009
33°30'36.74" N 82°23'16.20" W elev 129 m
Eye alt 2.49 km