

[Exhibit 12]

## **Non-Interference Compliance**

For an Open Site

Regarding FCC File Number: BNPFT-20030317FYV

### **Description of Exhibit 12 Contents**

This exhibit demonstrates that the proposed facility complies with contour overlap and interference protection provisions in all the applicable rule sections and that this application for a construction permit is in full compliance with 47 CFR 74.1204.

Page 2 of this exhibit is an explanation of the tabulated data, which is included as evidence on page 3 of this exhibit.

Page 3 of this exhibit is the tabulated data from the interference analysis, which shows all stations that this application must consider for contour protection. These tabulated values were generated using high resolution 3 arc second terrain data for the best possible accuracy.

Let it be noted that should any actual real world interference occur, the applicant certifies that it will promptly suspend operation of this translator in accordance with 47 CFR 74.1203.

## **Explanation of Frequency Finder Results**

The interference analysis for this application was performed using the "Frequency Finder" module in RadioSoft's Comstudy, version 2.2.

Frequency Finder analyzes data taken directly from the FCC's FM database and looks for prohibited overlap with contours of adjacent stations and prohibited proximity to stations 53 or 54 channels from the proposed station (IF) using 3 arc second terrain data and the FCC's contour algorithms. The results tabulated are the stations returned from that analysis. (Note: Because Comstudy was looking at the FCC's FM database, it took into account the proposed translator when doing the analysis and returned it in the tabulated results. For the sake of simplicity, that record has been deleted from all tabulated results.)

The first several columns of the table are self-explanatory. They give various data on the stations in question. The column labeled "Clr" gives the proposed translator's "clearance" with respect to the tabulated station, either in dB or km. The values listed with no units are given in km and are for stations located on an IF to the proposed site's channel.

**A negative value in the "Clr" column does NOT necessarily represent prohibited contour overlap as explained below.**

A negative value listed in the "Clr" column would indicate either overlap of interference and protected contours or prohibited proximity to an IF station except in the following situations:

- Since the proposed station's Effective Radiated Power (ERP) is 62 watts, a negative value in km (no units listed in the table) does not represent a violation of the CFR, according to 47 CFR 1204(g), which states that "FM translator stations and booster stations operating with less than 100 watts ERP will be treated as class D stations and will not be subject to intermediate frequency separation requirements."

- A second or third adjacent LP100 station cannot represent a violation of the CFR, as 47 CFR 74.1204(a)(4) requires protection of only co-channel and first adjacent LP100 stations.

- 47 CFR 74.1204(a) requires only the protection of "AUTHORIZED commercial or noncommercial educational FM broadcast stations, FM translators, ..." Any entry with a status listed as "RSV," "USE" or "APP" does not represent an authorized station and therefore is not protected under 47 CFR 74.1204. The one exception is the case of LP100 applications. The note to 47 CFR 74.1204(a)(4) states that "LPFM applications and permits that have not yet been licensed must be considered as operating with the maximum permitted facilities." Therefore, any first adjacent or co-channel LP100 station, no matter the status, is protected.

# Frequency Finder

Callsign	State	City	Channel	ERP_w	Licensee	ARN	Class	Status	Distance_km	Clr	Facility_id
NEW	MO	ST. JOSEPH	273	75	EDGEWATER BROADCASTING INC.	BNPFT20030317GAP	D	APP	55.96	1.89 dB	149137
NEW	MO	CAMERON	273	140	EDGEWATER BROADCASTING INC.	BNPFT20030317FWW	D	APP	95.81	14.68 dB	149106
KNCY-FM	NE	AUBURN	276	14000	RADIO 2000 NE, INC.	BMLH20020926ACX	C3	LIC	75.38	15.45 dB	63953
KLTQ	NE	LINCOLN	270	96400	WAITT RADIO, INC.	BLH20020214AAE	C0	LIC	134.6	20.84 dB	35067
NEW	MO	CHILLICOTHE	273	75	EDGEWATER BROADCASTING INC.	BNPFT20030317FXD	D	APP	125.57	22.62 dB	149111
KSRC	MO	KANSAS CITY	271	100000	INFINITY RADIO OPERATIONS INC.	BPH20010103AAH	C	CP	145.3	23.77 dB	11279
KSTZ	IA	DES MOINES	273	92000	SAGA COMMUNICATIONS OF IOWA, LLC	BLHRB1104ZZ	C	LIC	192.56	23.62 dB	58541
KSTZ	IA	DES MOINES	273	100000	SAGA COMMUNICATIONS OF IOWA, LLC	BPH20011101AAW	C0	CP	188.73	23.43 dB	58541
KSRC	MO	KANSAS CITY	271	100000	INFINITY RADIO OPERATIONS INC.	BLH19850712KQ	C	LIC	145.09	24.49 dB	11279
NEW	MO	KANSAS CITY	273	75	EDGEWATER BROADCASTING INC.	BNPFT20030317FXX	D	APP	134.73	25.61 dB	149119
NEW	KS	DE SOTO	273	205	EDGEWATER BROADCASTING INC.	BNPFT20030317EZX	D	APP	158.16	26.80 dB	148824
KLLE-LP	IA	NEOLA	273	100	IOWA DEPARTMENT OF TRANSPORTATION	BMPL20030326ACF	LP100	CP MO	139.31	27.98 dB	133654
KFRX	NE	LINCOLN	274	100000	THREE EAGLES OF LINCOLN, INC.	BLH6363	C1	LIC	158.69	28.95 dB	34435
KSRC	MO	KANSAS CITY	271	52000	INFINITY RADIO OPERATIONS INC.	BMXPH20010802AAS	C	CP	145.3	29.94 dB	11279
NEW	MO	RICHMOND	273	75	EDGEWATER BROADCASTING INC.	BNPFT20030317GAD	D	APP	158.22	29.12 dB	149132
NEW	MO	BROOKFIELD	273	115	EDGEWATER BROADCASTING INC.	BNPFT20030317FWM	D	APP	179.51	31.87 dB	149101
NEW	MO	BELTON	273	34	EDGEWATER BROADCASTING INC.	BNPFT20030317FWI	D	APP	182.09	33.82 dB	149100
KBLS	KS	NORTH FORT RILEY	273	100000	EBC, INC.	BLH19921230KB	C1	LIC	226.71	33.39 dB	65598
NEW	IA	CLARINDA	275	100	IOWA DEPARTMENT OF TRANSPORTATION	BNPL20010615AJW	LP100	APP	46.15	34.36 dB	134063
NEW	MO	KIRKSVILLE	273	250	EDGEWATER BROADCASTING INC.	BNPFT20030317FYL	D	APP	205.44	35.73 dB	149123
KMMO-FM	MO	MARSHALL	275	76000	MISSOURI VALLEY BROADCASTING, INC.	BMPH20020925ABQ	C1	CP MO	193.18	35.17 dB	43226
KSTZ	IA	DES MOINES	273	0	SAGA COMMUNICATIONS OF IOWA, LLC		C0	USE	188.73	37.57 d	58541
KMMO-FM	MO	MARSHALL	275	####	MISSOURI VALLEY BROADCASTING, INC.	BLH19931213KBC	C1	LIC	196.98	38.07 d	43226
KSTZ	IA	DES MOINES	273	0	SAGA COMMUNICATIONS OF IOWA, LLC		C	USE	192.56	38.19 d	58541
KQTP	KS	ST. MARYS	275	####	CUMULUS LICENSING CORP.	BLH20030326AHC	C2	LIC	162.5	39.97 d	60034