

[Exhibit 13]

## **Non-Interference Compliance**

Regarding Facility id 145373

Channel 280

### **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 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.

Since the proposed translator is within 320 km of the Canadian border, 47 C.F.R. § 74.1235(d) has been taken into account and this applicant certifies that in no direction does the 34 dBμ F(50,10) extend beyond 60 km, and this application is therefore in full compliance with 47 C.F.R. § 74.1235(d)(3), which states that "the distance to the 34 dBμ interfering contour may not exceed 60 km in any direction," and hence complies with 47 C.F.R. § 74.1204(h).

# **Adjacent Channel Study** **For Station W227CB, Facility\_id: 145373**

## **Co-channel through third adjacent:**

Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
1238410	42141	BLH	20080317AGN	WMKC	NORTHERN STAR BROADCASTING, L.L.C.	C0	INDIAN RIVER	MI	LIC	100	569	275	2	113.8	0
1203535	42141	Null	Null	WMKC	NORTHERN STAR BROADCASTING, L.L.C.	C0	INDIAN RIVER	MI	USE	0	0	275	2	113.8	0
289462	2484	Null	Null	WGDN-FM	APPLE BROADCASTING COMPANY, INC.	C3	GLADWIN	MI	USE	0	0	276	3	131.2	0
122672	67046	BLH	19890117KK	WLEW-FM	THUMB BROADCASTING, INC.	C2	BAD AXE	MI	LIC	50	350	271	2	133.5	0
645544	152394	BNPFT	20030317DQV	NEW	EDGEWATER BROADCASTING, INC.	D	MIO	MI	APP	0.01	434.6	282	2	50.4	0
248752	51746	BLH	19970616KE	WQLB	CARROLL BROADCASTING, INC.	C3	TAWAS CITY	MI	LIC	15	362	277	3	66.4	0
289322	51746	Null	Null	WQLB	CARROLL BROADCASTING, INC.	C3	TAWAS CITY	MI	USE	0	0	277	3	71.1	0
299187	9923	Null	Null	WCMW-FM	CENTRAL MICHIGAN UNIVERSITY	C2	HARBOR SPRINGS	MI	USE	0	0	280	0	109.3	0
259243	9923	BLED	19971212KC	WCMW-FM	CENTRAL MICHIGAN UNIVERSITY	C2	HARBOR SPRINGS	MI	LIC	12	569	280	0	114.5	0
1337633	70525	BPH	20090529ARS	WTCM-FM	WTCM RADIO, INC.	C	TRAVERSE CITY	MI	CP	100	772	278	2	165.6	0
295133	70525	Null	Null	WTCM-FM	WTCM RADIO, INC.	C	TRAVERSE CITY	MI	USE	0	0	278	2	165.6	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
1401179	9907	BLED	20101006AAG	WCML-FM	CENTRAL MICHIGAN UNIVERSITY	C0	ALPENA	MI	LIC	92	641	219	54	35	10