

## Exhibit 12

### Interference Analysis Overlap Requirements

According to CFR 47 §74.1204(a), translators are required to protect all existing FM stations from interference due to overlap of the protected contours of the existing stations with the interfering contours of the new translators.

#### US Stations

In the attached tabular printout, only KZPS, KKXT and KKXT.C have outgoing contour overlaps from the proposed translator, so no interference to other stations is anticipated. Incoming overlap is not prohibited.

KZPS, KKXT and KKXT.C are all second adjacent to the proposed translator, and, according to §74.1204(d),

**"The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to ... lack of population ... ."**

The F(50,50) signal from KZPS at the transmit site of the translator is 84.95 dBu.

The F(50,50) signal from KKXT at the transmit site of the translator is 81.73 dBu.

The F(50,50) signal from KKXT.CP at the transmit site of the translator is 81.15 dBu.

The weaker and thus more fragile station is KKXT.CP, so protection sufficient for it will suffice for the others. A 40 dB ratio of undesired to desired signal strength gives an allowable interfering F(50,10) field strength of 121.15 dBu. The antenna is proposed for 35 meters AGL. The attached spreadsheet shows that this contour, using the specified Nicomm BKG-77 antenna, does not reach the ground.

The specified tower, ASR 1053400 is 188.1 meters high and is located in an open field (no roads or residences, just several transmitter buildings).

---

ASR 1053400  
NAD27: 325215 965524  
NAD83: 325216 965525  
Site El: 130.1m Height 188.1m Top AMSL 318.2m  
Structure Type: TOWER  
Location: 1680 W NORTHWEST HWY (Las Colinas #30488), DALLAS, TX  
Dates Construction: 09/18/2001 Action: 04/18/2009  
FAA Number: 2004-ASW-1171-OE  
FAA Circular Number: Chapter: 1, 3, 4, 13, 21  
Owner: American Towers, Inc.  
FAA/FCC Team  
1898 Leland Drive  
Marietta, GA, 30067  
(678)265-6770

---

The interfering contour clearly does not reach down to the ground.

Hence §74.1204(d) quoted above applies (no population), and the predicted area of interference is acceptable to the Commission.

### **IF Separation**

The proposal is fully spaced from all IF facilities (note WMDX is clear by 3.94 km).