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Cc: 'Bud Williamson' <bud@dre.cc>

Sent: Friday, November 17, 2017, 12:36:06 AM EST

Subject: Re: W258BM Progress Update

Mr. Braccili,

Bud Williamson did stop by my house on Wednesday Nov. 2nd around 5:30 PM. He left his business card and spoke to my son. I wasn't home when he arrived. I arrived home around 6:15 or 6:30 PM. At that time the signals of W258BM and WJBR were receivable in the car when I was in my driveway and as I entered the garage. Both signals were similar in strength, the reception of either one depends on the location of the car (the position of the vertical whip antenna). Similar signal conditions have existed on most days since that time. On Wednesday Nov. 15th, the signal from WJBR was dominant with very little sign of the W258BM signal. Today the signal of W258BM and WJBR are similar in strength and the reception of either is dependent upon the location of the antenna on the car. In the house I am using a directional FM antenna in the attic and a VHF dipole (rabbit ears) antenna located on top of the tuner. Tonight in the house I am only able to receive W258BM using either antenna. When the translator signal was not on the air, WJBR was receivable at my location.

The other locations where interference exists from the W258BM translator to the WJBR signal were in the following locations when the W258BM transmitter was at 4 watts (0.004 kW) at 304 meters AMSL. This transmitter was on the air from Oct. 2015 through Jan. 2016. When you were traveling north on I-476 (the Northeast Extension of the PA Turnpike) the interference began at mile marker 37.5 and increased as you traveled toward the Quakertown exit (mile marker 44.0). As you traveled north near mile marker 46.2, the signal from the translator completely overpowered the WJBR signal. The interference continued as you travel through the Allentown area along west Tillghman St. to Fogelsville. Then north on PA Route 100 north to Pleasant Corners. The interference continues as you traveled north on PA Route 309 in the New Tripoli, Snyders, South Tamaqua and Hometown areas. The interference continued along PA Route 209 as you traveled west from Tamaqua into the Tuscarora area. The interference also is in the areas around Bethlehem, Easton and Phillipsburg, NJ.

The current transmitter is using 90 watts (0.090 kW) at 304 meters with a directional pattern of full power in an arc from the northwest through the northeast. The 90 watts are being used for both vertical & horizontal polarization.

The interference areas around Quakertown, Allentown, Bethlehem, Easton and Phillipsburg, NJ area of greater concern since the WJBR signal is stronger in those areas. Prior to the W258BM translator coming on the air, WJBR could be received in those areas. If you check these areas with the translator on and then check them with the translator off you will see where the WJBR signal is receivable. Has anyone checked these areas for the WJBR signal either before or after the translator

came on the air in 2011 ? The signal from a translators can not interfere with the signal of any full power station. Please refer to FCC Regulation Sec. 74.1203.

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