

Exhibit 14 - Table 1
ANTENNA / LINE SYSTEM GAINS AND LOSSES
prepared September 2014 for
OTA Broadcasting, LLC
WMKH-CD, Pittsburgh, PA
Facility ID 68394
Ch. 40 3.457 kW 428.8 m AMSL

Comprehensive Engineering Statement

This Statement describes the differences between the facilities listed in the Construction Permit and this Application.

Antenna: The Licensee chose to utilize a different antenna than specified in the Construction Permit. The Construction Permit specified a Bogner B8UA. This antenna is not available any longer, and was incorrectly characterized on the Construction Permit as a Directional antenna. The Polar Plot clearly shows that the antenna in question is omni-directional. The specified antenna was substituted with an Alive Telecommunications ATC-BBO10-U, which is also an omni-directional pattern, with the same gain characteristics as the Bogner B8UA.

Radiation Center: The Construction Permit indicates a RCAGL of 83 meters. Due to the structure of the tower and placement of the guy wires, the antenna was placed at 81.4 meters, which is permitted under 73.1690(c)(1)

Transmitter Output Power: Due to the type of transmission line employed, the Transmitter Output Power is raised to 0.897 watts. There is no change to the Effective Radiated Power of the station, which remains at 5.457 kW. Table 1 shows the ERP calculations.

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Ch. 40 3.46 kW 428.8 m AMSL

Proposed Effective Radiated Power:	5.460 kW	7.37 dBk
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Antenna System

Alive Telecommunications ATC-BBO10-U

Max Power Gain:	10.350	10.15 dB
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Antenna Input Power:	0.527 kW	-2.78 dBk
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Line and Other Losses

260 feet, Andrew LDF-50A	Loss:	1.41 dB
1-5/8" air-dielectric cable at 0.542 dB/100 feet @ Channel 40		

Dielectric Mask Filter	Loss:	0.90 dB
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Total Loss:	2.31 dB
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<u>Transmitter Power Output:</u>	0.897 kW	-0.47 dBk
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