## **Ann Gallagher**

Subject: FW: WXJC, Birmingham, AL BMML-20100608AKA

Clarifications sent via e-mail:

- 1. The sample loops are identical and are mounted identically with respect to elevation and orientation on the nighttime towers. On the four modeled (nighttime) towers, they are mounted on the leg in the same plane with the guy wire and at in exactly the same location with respect to horizontal and diagonal members. On the daytime triangular tower (not part of the modeled nighttime array) the loop is likewise mounted on the leg in the same plane as the guy wire and at the same elevation as the other four loops.
- 2. The +/- 45-degree sample line impedance measurements are as follows:

## -45 degrees

Tower 1 6.620 -j49.970 Tower 2 5.410 -j49.432 Tower 3 6.750 -j50.130 Tower 4 6.600 -j49.587 Tower 5 6.650 -j49.950

## +45 degrees

Tower 1 9.850 +j49.937 Tower 2 9.940 +j50.347 Tower 3 9.950 +j50.574 Tower 4 9.930 +j50.329 Tower 5 9.860 +j49.960

- 3. Prior to adjustment of the array, the antenna monitor was calibrated in accordance with the manufacturer's instructions. This procedure is repeated from time to time and as necessary to insure the continued calibration of the instrument.
- 4. The measurements of the sample loop impedances with the loops connected were made at the carrier frequency. Additional measurements were made at frequencies above and below carrier for future reference, but the impedances reported on page 29 of the application are those made on the carrier frequency.
- 5. A wireless tower was recently constructed in close proximity to the old 139-degree daytime monitor point, making that location of dubious value for monitoring purposes. A new location in the clear was selected as a new monitor point.