

Statement of Satisfaction of Special Operating Conditions

Pursuant to a Construction Permit File # 0000219934

Station WBES(AM) at Charleston, West Virginia

Bristol Broadcasting Company, Inc. – Licensee

- The following is certified relative to the Special Operating Conditions required under the Construction Permit File # 0000219934:
- Licensee has installed a type-accepted transmitter.
- Licensee will be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour of the station.
- The installed ground system consists of 120 equally spaced, buried ground radials plus a copper ground screen approximately 10 meters square about the base of the tower.
- The three unused antenna towers (Towers #2, #3, and #4) have been dismantled and removed from the property.
- Field strength measurements of the unmodulated signals at full licensed power were made at the carrier frequencies of each station to be used as reference values, and then at each of the various intermodulation frequencies falling between 500 kHz and 5 MHz. Each station was operating at its full authorized daytime power level, with normal audio modulation. Signal strength measurements were made using a Potomac Instruments FIM-41 field strength meter (S/N 1952), last calibrated at the factory on June 13, 2018. The measurement location was near a “turnaround” on Woodrum Road, at a distance of 2.3 kilometers and a bearing of 159° (true) away from the transmitting tower. The GPS coordinates of the measurement location (NAD 83) are: 38 24 17.4 N; 81 43 24.5 W. There were no overhead wires or possible reradiating objects observed in the immediate vicinity of the measurement location. At each of the intermodulation frequencies noted, observations were made of the signal strength and the nature of any audio modulation detected and were analyzed relative to the field strengths of the unmodulated carrier frequency signals of the two stations. There were no frequencies at which the measured signal strength exceeded the FCC limits that were not clearly attributable to other sources. The field observations therefore indicate that no spurious emissions exist stemming from intermodulation products generated by the two stations. Signal strengths at frequencies falling within the 0.5 – 5.0 MHz band were measured using the FIM-41 denoted above. These measurements/tests were conducted by Robert A. Elder, Senior Field Engineer with Compliance Matters, Inc., whose credentials are well known to the Commission.