

RF Statement in Conjunction with the
WCZT(FM) Villas, NJ License Renewal Application
January 20, 2022

There have been no changes to the WCZT(FM) antenna system since the last license filing. The antenna is located on a multi-user tower site, FCC Registration #1055876, owned by CTI Towers, Inc. WCZT(FM) will reduce power or cease transmission as required to meet OET-65 guidelines for worker safety.

The licensee certifies that there has been no material change in the RF environment, including the confirmation that there are no new or height-increased surrounding structures, since the grant of the last license or renewal application associated with this facility.

There are two translators co-located with WCZT(FM) on the tower and they are W250AK CH 250 Rio Grande and W209CP CH 209 Cape May. Both facilities are considered as additional RF contributors to be included in the overall analysis below.

The WCZT CH 254A antenna system is an ERI LPX-3E, EPA Type 3, 3 bay full wave spaced antenna with a radiation center 86.9 meters AGL. The ERP is 6 kW H&V. FCC Online FM Model has been used to calculate the maximum power density which is 5.83 uw/cm² 42.6 meters from the tower base. This value is 2.92% of the public exposure.

The W250AK CH 250 antenna system is a Telcom TFC-2K, 3 bay 0.75 wave spaced, EPA Type 2, antenna with a radiation center 79 meters AGL. The ERP is 0.038 kW H&V. FCC Online FM Model has been used to calculate the maximum power density which is 0.01 uw/cm² 21.2 meters from the tower base. This value is 0.005% of the public exposure.

The W209CP CH 209 antenna system is an ERI 100A-2H, 2 bay full wave spaced, EPA Type 4, antenna with a radiation center 64 meters AGL. The ERP is 0.055 kW H&V. FCC Online FM Model has been used to calculate the maximum power density which is 0.19 uw/cm² 33.8 meters from the tower base. This value is 0.005% of the public exposure.

Based on this analysis, the WCZT(FM) facility is in full compliance with Section 1.1307 of the Commission's Rules as the total RF level of all contributors is less than 5% of the public exposure guideline.

The foregoing was prepared on behalf of Coastal Broadcasting Systems, Inc. by Clarence M. Beverage of Communications Technologies, Inc., Medford, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. The undersigned certifies, under penalty of perjury, that the statements herein are true and correct of his own knowledge, except such statements made on information and belief, and as to these statements he believes them to be true and correct.



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