

Radiofrequency Radiation Calculation
W286DH
Caguas, PR

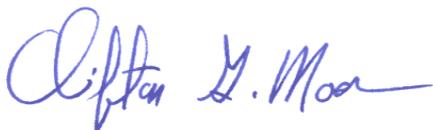
This radiofrequency Radiation Study is being conducted to determine whether this proposal is in compliance with OET Bulletin 65 dated August 1997 regarding human exposure to radiofrequency radiation in the vicinity of broadcast towers.

The proposed transmitter will operate on 105.1 MHz with a power of 0.06 KW (horizontal only) from 30 M AGL. The proposed antenna is an array of two Kathrein YA-7 antennas skewed 155 degrees. This antenna qualifies as "Worst Case" for RFR treatment. This proposal delivers 2.22732 micro watts per centimeter squared or 5.5693% of the ANSI limit at the tower base.

Nearby is WTOK-FM which operates using an ERI MPX-6C antenna. This is an RFR Type 3 best case antenna. WTOK-FM is licensed for 50 KW ERP from 82 meters AGL. WTOK-FM delivers 0.0019% of the ANSI limit to the W286DH site.

Adding the RFR contributions of both stations only produces a total of 5.5712% of the ANSI limit being consumed. Because of the low RFR contributions, it is thought that this proposal is in compliance with the bulletin referenced above.

All information contained here is thought to be accurate to the knowledge of the undersigned.



Clifton G. Moor
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March 18, 2021