

Radiofrequency Radiation Calculation
107.3 mHz – 250 Watts (DA) – 111 M AGL
Pittsburgh, PA

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

The transmitter will operate on 107.3 mHz with a power of 0.25 KW circularly polarized from 111 M AGL. The antenna is a 2-bay SWR FMEC which is a “best case” antenna for radiofrequency radiation. The radiation contribution at the base of the tower is 0.09492 microwatts per square centimeter or 0.0475% of the ANSI limit.

This site, ASR 1022324, is a multi-user site. Licensed here are:

WQED (FM)	207B
WPTS-FM	221D
W256DE	256D
W271CW	271D
WQED-DT	Ch 4
WBPA-LP	Ch 12
WIIC-LD	Ch 31
WBYD	Ch 39

Other locations were analyzed for radiation purposes. The most dense radiation is between 9 meters and 121 meters from the tower base. Here 0.1% of the ANSI limit is consumed. Because the RFR contribution is so small, 1/10 of one percent, it is thought that this proposal is in compliance with the bulletin referenced above.

Attached is a graph and tabulation of radiation density.

No change of structure height is proposed herein.

Bromo Communications, Inc.