



W34EP-D Sapphire Valley, Etc., NC - Facility ID: 56547
Minor Modification of Displacement CP
Application to Relocate Channel 21

This is an application to modify the Construction Permit for Displacement of W34EP-D Sapphire Valley, Etc. , NC. This proposal moves the channel 21 facility to a site 14 kilometers northeast of its presently licensed (channel 34) tower site. The proposed site is registered with antenna structure registration number 1023079. The minor modification application also proposes to change the antenna pattern and elevation.

W34EP-D was originally displaced by the repack channel change of WNSC-TV 34 Rock Hill, SC and WMYA-TV 35 Anderson, SC. According to TVStudy TV Interference Check, the two repacked stations create a combined 18% interference to W34EP as licensed.

47 C.F.R. Section 1.1306

A Commission grant of Authorization for this location would not be an action which may have a significant environmental effect. Based on worst-case calculations and considering a very conservative vertical relative field factor of 0.3 pursuant to OET Bulletin 65, the proposed television facility is predicted to produce a maximum power density of only 2.552 microwatts per square centimeter at two meters above ground level. This represents only 0.74% of the FCC Guideline value of 343.33 microwatts per



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square centimeter for uncontrolled RFR environments. Pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would contribute less than 5% of the uncontrolled limit and controlled exposure limit, the proposal's power density contribution is insignificant.

Further, the Applicant will continue to cooperate/coordinate with other site users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

47 C.F.R. Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h)

74.709 pertains to TV applicants proposing use of TV Channels 14-20. The applicant for W34EP-D proposes operation on channel 21. A copy of the FCC TVStudy software interference report is included with this application that demonstrates the full service mask proposed meets the requirements of 74.793(e) (f) (g) and (h). **Please note that the TVStudy Interference Check was done using a grid setting of Study cell size: 1.0 km and Profile point spacing: 0.20 km.**

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