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Bridgelight, LLC
Minor Modification of FM Translator Construction Permit
W232AL, Channel 232, Pomona, NY
40-57-39.0 N, 73-55-21.0 W – ERP = 24 watts – RCAMSL = 286.5 Meters

The applicant seeks to modify FM Translator construction permit facility, Facility ID 24106, W232AL, Pomona, NY to specify a different transmit location and all other technical parameters within the minor change regulations.

Allocation Considerations

The facility is fully compliance pursuant to 74.1204 and all other rule sections with respect to interference with existing broadcast authorizations and applications.

Second Adjacent Channel Overlap Compliance

The applicant acknowledges second-adjacent channel overlap with licensed main Facility ID 73355, WNYC, New York, NY. The amount of signal from WNYC arriving at the applicant's proposed transmitter site is 74.5 dBu. Using the 40 dB Undesired-to-Desired ratio method for determining second-adjacent channel interference, the pertinent interfering contour is 114.5 dBu. According to the FCC online computer program "FM and TV Propagation Curves Calculations", the interfering contour extends 65 meters from the antenna location proposed in the instant application. Since the applicant has proposed a height above ground level of 128 meters, on a uninhabited communications tower and the distance to the interfering contour is 55 meters, it is impossible for the interfering contour to reach the ground or any population. The preparer has examined current aerial photograph maps and has verified that no buildings or populated habitable structures extend upward within the proposed interfering contour. Thus, this application is compliant with 47 CFR Section 74.1204 with respect to second-adjacent channel interference.

The applicant acknowledges second-adjacent channel overlap with licensed main Facility ID WXBK, Newark, NJ. The amount of signal from WXBK arriving at the applicant's proposed transmitter site is 77.3 dBu. Using the 40 dB Undesired-to-Desired ratio method for determining second-adjacent channel interference, the pertinent interfering contour is 117.3 dBu. According to the FCC online computer program "FM and TV Propagation Curves

Calculations", the interfering contour extends 47 meters from the antenna location proposed in the instant application. Since the applicant has proposed a height above ground level of 128 meters, on a uninhabited communications tower and the distance to the interfering contour is 47 meters, it is impossible for the interfering contour to reach the ground or any population. The preparer has examined current aerial photograph maps and has verified that no buildings or populated habitable structures extend upward within the proposed interfering contour. Thus, this application is compliant with 47 CFR Section 74.1204 with respect to second-adjacent channel interference.

Combined Operation

The applicant seeks to use the existing Facility ID 73887, (ARN BXLH-20020301AEJ), WPLJ, New York, NY auxiliary directional antenna for the FM translator. The underlying facility is a secondary service, so the facility proposed in the instant application will not preclude the use of WPLJ Auxiliary antenna for that licensed use, should that be needed.

Fill-In Translator Operation

The originating station is proposed to be Class B, WPLJ-HD4, New York, NY. Attached is a map showing that the f(50,50) 54 dBu contour is not exceeded by the f(50,50) 54 dBu contour of the proposed facility.

Environmental Statement

The applicant has proposed to co-locate the proposed transmitting antenna and equipment on and existing, established communications tower facility. The applicant's proposal is located on the existing and established "Armstrong" communications tower site in Alpine, NJ. Using the FCC computer program, FM Model, using the parameters contained in the instant application with 24 watts ERP (H&V), 128 meters above ground level and the proposed antenna Shively Model 6810-2D-SS-DA (2 bay at 0.5 Wavelength) EPA Type 1 Ring-Stub antenna, the maximum RF radiation level reaching 2 meters above ground is 0.0120 microwatts per centimeter squared. This is clearly a de minimis contribution to the levels of both the General Population and Occupational standards set forth in OET Bulletin 65 and successor documents.

- End of Report -