

JVCKENWOOD U.S.A.
Request For Grant of Special Temporary Authority
1292- EX-ST-2016
WPSQ981

JVCKenwood U.S.A. Corporation (JVCK), a major manufacturer of land mobile service radio equipment, wishes to conduct experimental operation over a six-month period on a single UHF frequency pair for which JVCK is already licensed in the vicinity of its business location in Suwannee, Georgia for testing of a newly developed simulcast system and constitutes product development.

The tests, which would begin October 1, 2016 would use a single frequency pair, 461.8625 MHz and 466.8625 (FB8 and MO8 respectively). JVCK is licensed to operate on these channels in a 32 kilometer radius of its office at 3970 John's Creek Court, Suite 100, Suwannee, Georgia pursuant to its YG Trunked, Industrial/ Business Pool license WPSQ981, but it is not licensed to conduct simulcast operation tests. The other two locations, in addition to that specified at Locations 1 and 2 of WPSQ981 would be as follows:

Sweat Mountain, Georgia, at 34°-03'-59.3" North and 84°-27'-16.4 West

Sawnee Mountain, at 34°-14'-12.8" North and 84°-09'-34.6 West

These two sites are owned by a JVCK registered dealer, Radio One and would be used by permission for the six-month test.

The choice of the FB8 channel, among several that JVCK is licensed in the metropolitan Atlanta area was based on identifying those with the fewest number of local co-channel users. Most in the area are indoor or simplex users and no interference is expected. However, should there be any complaint of interference from any licensed co-channel or adjacent-channel user, all operation will cease until it can be resolved to the satisfaction of the interference-receiving licensee.

Operation will be temporary fixed using 6.25 kilohertz channel bandwidth using JVCK ultra-narrowband operation with voice and data. The emissions will be as follows:

4K00F1E
4K00F1D
4K00F7W
4K00F2D

Transmit antenna height for the fixed sites at the two mountaintop locations are estimated to be at 30 Meters AGL and the receive antenna heights will be 45 meters. The JVCK antenna height will be as per the license WPSQ981. Power will be 100 watts ERP.

All equipment will be removed at the end of the test and STA expiration. No extensions are anticipated to be necessary.

The Stop Buzzer contact will be Mr. Don Wingo, Manager of Research and Development, at (678) 474-4700.

Other communications can be directed to regulatory counsel for JVCKenwood U.S.A. Corporation:

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