

Form 442 Question 7

Form 442 Confirmation Number: EL 733382

Form 442 File Number: 0166-EX-PL-2014

7a. The experimental path will use an Andrew Corporation VHLPX3-6W (3-foot diameter) non-compliant Category B parabolic antenna at one end of the path and a much smaller (8-inch diameter) non-compliant Category B flat panel MARS antenna MA-WA62-DP19 at the other. An interference analysis has already been performed on the system in accordance with Part 101.103 of the Rules. The radio frequency study has been investigated¹ and no interference problems were indicated with existing licensees or applicants, or other applicants with previously filed applications. Also, because the stations are using non-compliant (secondary) antennas, under the Rules they are not permitted to – nor will they -- block new applicant paths.

7b. The experimental license is necessary to demonstrate that small antennas can be safely deployed under existing rules ²since they will not cause harmful interference to existing or applied-for stations, nor block new applicants or proposed paths.

7c. Throughout the proceedings of WT-Docket 10-153 there has been a consensus by the Commission and industry³ that there are significant benefits to be gained from the use of smaller antennas, including: lower monthly antenna site lease charges, lower manufacturing costs, easier and therefore less expensive installation, lower maintenance costs, practicality for installation at sites incapable of supporting large antennas, fewer aesthetic objections, easier compliance with local zoning and homeowner association rules, and many others. By successfully demonstrating that stations using small antennas can safely be licensed, all the above mentioned benefits can be realized.

¹ Wireless Applications Corp. Files WAC2014-05907 and 05908 attached.

² Ex parte filing of WSI, August 27, 2013, WT Docket 10-153.

³ WT Docket No. 10-153, ex parte filing of FiberTower Corp. October 25, 2010, WT Docket ex parte filing WSI July 26, 2012, WT Docket 10-153 Second Report and Order August 3, 2012 etc.