

Exhibit to Form 442

Question 7: Experimental Description

1. This license is to be used in conjunction with an antenna test range used to develop base-station antennas for the wireless industry, specifically Land Mobile, Cellular, Public Safety and NPCS, to include government and amateur frequencies.
2. Specific objectives are to measure field patterns of antennas over various frequencies of their operating range to determine gain, beamwidth and lobe structure to ensure that the designs meet specified requirements and to fully understand how these characteristics change over frequency.
3. This activity will facilitate the design of more-efficient and highly broadband base station antennas.