

Response to QUESTION 7: PURPOSE OF EXPERIMENT

As part of a development effort to design and market digital land mobile radio base stations, subscribers, and other infrastructure equipment, Motorola Solutions has instituted various testing programs. Some of these tests will include actual "on-the-air" testing of systems in various configurations. Among these configurations are hand-held portable radio transceivers. In order to solve and overcome the numerous problems associated with a new radio technology, experiments will be conducted to determine the antenna performance of hand-held portable transceivers and how such performance is affected by proximity to a human body. Since portable antenna performance is expected to vary across any given frequency band and is also expected to vary by mounting position on the human body, tests will be performed on multiple frequencies within a given band and in various positions on each human test subject. To ensure statistical accuracy, multiple test subjects with a range of body types will be used. These tests will be performed in three different frequency bands.