



Request for License

This license will be used to perform over-the-air testing of White Space transmit and receive development and pre-production devices, along with antenna suites to be used for commercial off-the-shelf white space products. The attached preliminary marketing data sheets outline, in a draft form, the commercial end product objectives of our research and experimentation. The project's goal is to produce products in full compliance with the FCC's "Second Memorandum Opinion and Order of September 23, 2010, ET Docket Numbers 04-186 and 02-380 and certified with respect to Part 15 and White Space Procedure Publication 416721."

Equipment Description

In the main, the Raptor and Raptor Client devices employ proven COFDM and IEEE 802.11-type wave forms, i.e. BPSK, QPSK and QAM. A two stage redundant power leveling system maintains conductive VHF and UHF RF output power @ 29dBm $\pm$ 1dB. Adjacent channel power is reduced below the -73 dB requirement presented in Publication 416721 referenced above.

Over-the-air (OTA) testing will be done with omni 3 dBi and 6 dBi directional antennas to maintain a 36dBm EIRP. In no case will conductive power exceed the rules and regulations set forth for TV band devices.

The specific goals of testing will allow us to clarify product operation with spectrum database and proprietary spectrum analysis hardware and software.



We request that the product/equipment information exhibits be kept confidential until release into the market. This equipment is proprietary information and release would cause grave economic damage to Metric Systems Corporation.

Regards,

William M. Brown
President