

TEST REPORT

PINEAPPLE TECHNOLOGY INC. UTX5KW ULTRA-2 TV TRANSMITTER TECHNICAL REPORT

INTRODUCTION

The following information is provided to support the technical performance of the modification made to the Pineapple Technology UTX5KW ULTRA-2TV Transmitter. The information is supplied for broadcast TV service according to applicable portions of Part 73 and 74.

DESCRIPTION OF MODIFICATION

The extent of the modification is to mechanically reconfigure the same components used in the original type certified TV transmitter with FCC ID PW2UTX5KWULTRA-2. In the original configuration, all of these components were mounted into two cabinets. The modified transmitter now combines all of the same previously used components in one cabinet.

Because all of the same components are used, the same electrical performance is obtained. So nothing has changed with respect to frequency stability, power output, conducted harmonic and spurious, visual and aural frequency response, occupied bandwidth. The only thing necessary to verify where no change in performance occurred is regarding cabinet radiation performance.

DESCRIPTION OF EXHIBITS

The exhibits supplied with this application consist of:

1. Measurement of cabinet radiation of spurs and harmonics as specified in FCC Rule 2.1053 and 2.1057.
2. Construction photos of the newly created cabinet and component mounting configuration.
3. FCC ID label.
4. FCC ID label mounted on the new cabinet.

Measurements were conducted at transmitter visual power output levels of 5000 watts peak of sync. The corresponding aural power level is 250 watts. Measurements were taken on a channel 41 unit with visual carrier frequency of 633.25 MHz and an aural carrier frequency of 637.75 MHz.