Katie Hawkins

FCC Application Processing Branch
FCC ID EGT854TX and EGT844TX
Applicant : Remtron Inc
Correspondence Reference Number : 13580
731 Confirmation Number : EA96583

Dear Katie Hawkins.

Here is the information that you requested on April 21, 2000. I apologize for any inconvenience that we may have caused, but at the time of submittal we were going through a transitional stage with Rick Lynfords the facility managers resignation, and unfortunately there was some miscommunication on these issues.

The Duty Cycle that you calculated of 20% or a 13.9 dB reduction was indeed the correct value, for we two calculated that exact level. Remtron had supplied 5 different units of two different types to be tested, one type with a 17dB correction and one type with a 13.9 dB correction. I believe that was the difference between the cable factor values for 3660 MHz and 915 MHz, one had a 14 dB correction and the other had a 17 dB correction. I am unsure why these values did not get changed throughout the entire spreadsheet, whether or not it was human or software I am unsure, but for these two units the correction was in deed 13.9 dB. The other type of product has already been certified with the FCC and was submitted at the same time as the type that you have reviewed, if you would like to refer to those reports as well.

In the original job quote both types of transmitters were to be tested through the band 902.1 and 927.9 MHz, but the other type transmitter that has already been certified would not comply to these requirements. This is why John Schooley requested the bands of 903 through 927 MHz, but unfortunately it was not made clear to him that these two unites would pass the band width requirements of 902.1 and 927.9 MHz. Explaining why these two devices were tested at 902.1 MHz and 927.9 Mhz.

You will find in the following information that I have enclosed, Plots and corrected spreadsheets of the Fundamental frequencies of 903 MHz and 927 MHz Horizontal and Vertical antenna polarities, as well as there harmonic measurements. These measurements were taken with only the spectrum analyzer and not our receivers in order to provide consistent measurements. There was no amplifier involved in the fundamental measurements only in the harmonic emissions measurements. The data taken is given in a peak value, which is a worst case measurement and passes all QP limits as allowed by the FCC.

Again we greatly apologize for any inconvenience and deeply appreciate all your assistance and patience with this matter. We anxiously await your reply.

Sincerely,

Clay Allred
Test Engineer