Elliott Laboratories Inc.
www.elliotlabs.com
684 West Maude Avenue
Sunnyvale, CA 94085-3518
408-245-7800 Phone
408-245-3499 Fax

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American TCB

FCC ID: P65ALR9640 Permissive Change (Alien Technology)

1.) In the EMC report, the difference between Peak and Average values for the fundamental appear to be about a delta of 11 dB. Typically the difference between peak and average on this type of transmitter is not expected to be 1-2 dB. The larger delta suggests that maybe the fundamental was not configured properly for continuous transmission during this test and possibly a larger VBW should be used during testing. Also note that from the data it appears that > 100 ms per channel occurs, so duty cycle correction would not be allowed. Please provide information to support that the VBW was > 1/Ton time during average measurements. If necessary, please provide new data.

The fundamental measurements provided are for peak measurements in 100kHz bandwidth, horizontal and vertical polarization. The difference in the results is polarization dependent.

Differences between peak and average measurements for the harmonics and spurious emissions are because the signal levels were low and, therefore, below the measurement noise floor when measured with a peak detector. Peak measurements were, therefore, of noise floor and higher than the average measurements.

2) Industry Canada requires TCB's to have the original documents filed on record in order to evaluate a Reassessment application. Please upload all original documents using the "Additional Information" exhibit type.

Will Upload original report sent to Industry Canada.

Regards,

Mark Briggs
VP of Engineering