June 29, 2017

Timco Engineering

SUBJECT: Reply to request - TIMCO-TCB/FCC RT - HEADSIGHT INC. - FCC ID: 2AEP2-THAWK1 - JOB #: 1077UC17

In response to your question below:

We received the following FCC RT:

> In the test report with regards to rule part 15.509 (e) a graph supporting the data is requested by the FCC. Please submit graphs that support the data taken. The FCC recommends the following test procedure;
>
> As defined in part 15.509 (e), the device does not in the opinion of the FCC show that it complies with this rule part. In particular, there is no data that shows compliance. There is no indication that the device was tested with the receive antenna at both the horizontal and vertical polarization. The FCC recommends that the procedure to test part 15.509(e), should be followed as indicated below in order to show compliance to the federal code of regulations.
>
> This is a recommended manner in which to test the strict requirement as defined in part 15.509(e).
> 1. Configure the unit under test according to ANSI C63
> 2. Provide power to the unit under test and supporting hardware.
> 3. Rotate the unit under test and supporting hardware 360 degrees to determine the position of the worst case radiated emission.
> 4. The height of the broadband receiving antenna should be varied between 1 meter and 4 meters.
> 5. For each suspicious radiated emission, move the receiving antenna between 1 meter and 4 meters and then rotate the turn table between 0 and 360 degrees.
> 6. The measured maximum radiated emissions should be measured with a Spectrum analyzer using an RMS detector. The RBW of 1 kHz and VBW of 1 kHz with a 1 msec averaging time is recommended for this measurement.
>
> The Spectrum Analyzer is recommended to be set to:
> Frequencies = 1164 MHz - 1240 MHz and 1559 MHz - 1610 MHz
> RWB = 1 kHz
> VBW = 1 kHz or 3 kHz (VBW greater than or equal to RWB)
> Detector set at RMS or average (it is recommended to be set at RMS)
> Span = auto

GRAPHS HAVE BEEN RECORDED AND INCLUDED IN THE REVISED TEST REPORT. THE PROCEDURE RECOMMEND BY THE FCC HAS BEEN FOLLOWED WITH THE ONLY DEVIATION BEING THAT THE RBW USED WAS 3 KHZ WITH VBW SET TO THREE TIMES THE RBW AND THE DETECTION USED WAS PEAK. THE UPDATED TEST DATA IS INCLUDED IN THE REVISED TEST REPORT; SEE PAGES 18, 19, and 32 to 50.

Sincerely,

Agent for Headsight, Inc.

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