Compliance Worldwide

ACCREDITED
CERTIFICATE NUMBER: 1873.01

January 20, 2009

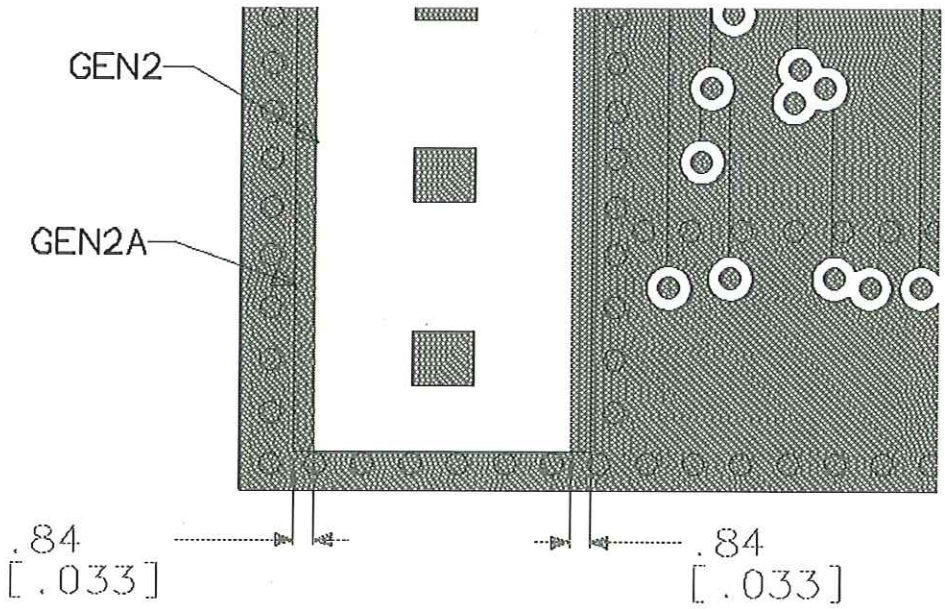
Federal Communications Commission
Authorization and Evaluation Division
Washington, DC 20554

RE: Grant ID: UR8100206

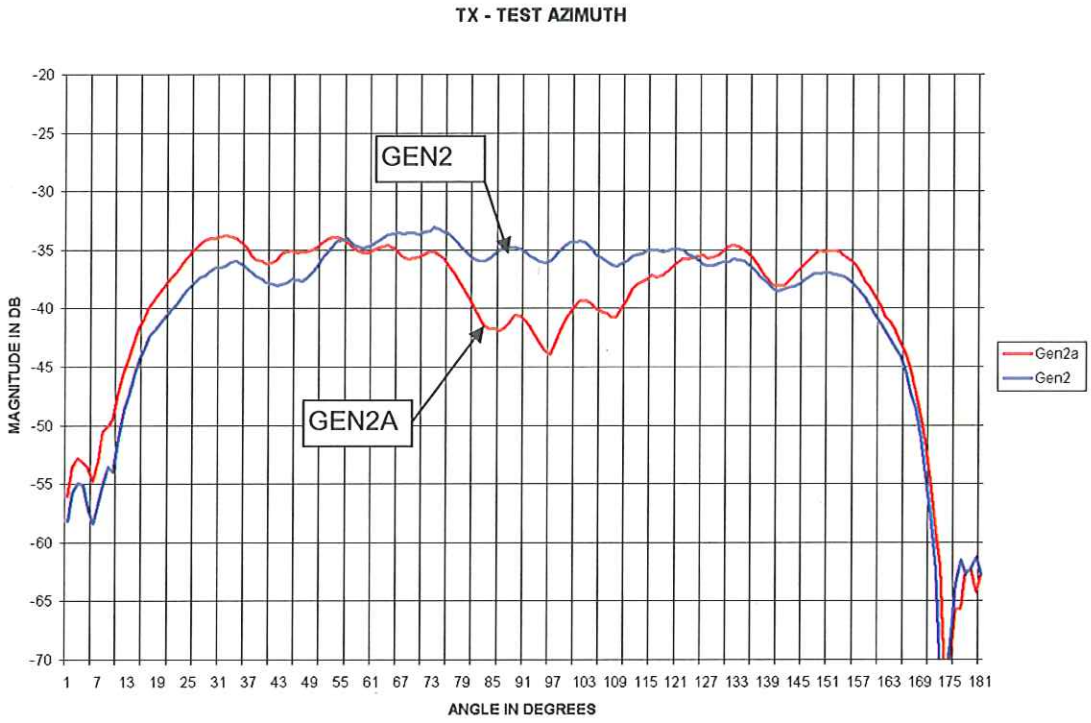
To whom it may concern:

This is a request for a Class II Permissive Change under Section15.204 [c][1] for the Blind Spot Detection Sensor. The reason for this request is due to some changes on the transmit board as outlined below. This modified sensor is referred to as the Gen2A design.

The transmit board for the Gen2A sensor was modified as shown below. The ground opening was pulled away from the antenna patch 0.84mm further than the Gen2 board. There were no changes to the electrical components and the schematic did not change.



The effect of this change is that the shape of the transmit beam pattern is slightly modified as shown below in some actual beam pattern plots.



With regards to the Gen2A schematic and block diagram, there are two noticeable changes on the *receive* board, both of which are considered class I changes given that they do not affect the transmit hardware.

1.) The receive antenna design was changed to an 8-way butler matrix (from a 16-way). The purpose for this change was for cost savings in the construction of the receive board. The artwork that creates the antenna changed but there were no changes to the physical electrical components. This change is new for the Gen2A hardware.

2.) A previous change to the receive board that occurred in early 2008 was the addition of some temperature compensation circuitry. Again, this was considered a class I change given that it did not affect the transmit hardware.

In regards to the above changes, all transmitter circuitry, frequency multiplication states, and crystal frequency remains unchanged from the Original Certified Equipment. The updated certified device remains within the rules of Part 2.1043(d).

Thank you in advance for your consideration.
Sincerely,

Kenneth Booth

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