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**To:** Curtis Straus Certification Dept      **Fax:**

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**Attention:** Yunus Faziloglu      **Phone:**

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**From:** Donna Cleary      **No of pages:** 2

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**EMC Ref:** M040113\_Cert\_Tx      **Date:** 19<sup>th</sup> May 2004

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**Subject:** **CS01197 Robert Bosch FCC ID: LXP-VIM244 TCB FINDINGS**

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1. An operational description is required. This document should address main circuit functions and should describe how the device operates emphasizing on RF circuitry.  
**Supplied – Refer to Attachment 3: Operational Description**
2. The block diagram suggests a 125kHz LF Link (in both directions) as "Passive Backup Transponder". Please clarify.  
**Refer to Attachment 3: Operational Description – Description of Transponder immobiliser function added and picture of key shows transponder position.**
3. Please describe the transmitter operating state during radiated emissions testing. Was it transmitting continuously? How was the worst case pulse train ensured to maximize emissions?  
**The transmitter was set-up to transmit continuously during the test. The duty cycle (pulse train) of the transmitter was 50% (refer to Attachment 1). As the transmitter was tested in continuous mode. This would be the worst case emissions.**
4. Have all the measurements above 1GHz taken with a peak detector during continuous transmission? Please clarify the measurement system settings (RBW,VBW).  
**Measurements above 1GHz was tested with a peak detector with a RBW = 1MHz and VBW = 1MHz. Measurements was also tested with an average detector with RBW = 1MHz and VBW = 10Hz.**
5. Please supply a plot showing the worst case pulse train to demonstrate <5sec of transmission duration.  
**The transmission duration on plot attached is less than 5 seconds. Refer to Attachment 2.**
6. Have all the emissions upto the 10th harmonic that fall in the restricted bands compared to 15.209 limits? The limit on the EMI plots suggest the spurious limit of 15.231(b), that is 20dB below the fundamental limit. Please clarify.  
**Yes, emissions upto the 10th harmonics that fall in the restricted bands were compared to the limits of 15209. No emissions that fall in the restricted band were found within 20 dB of the 15.209 limits. The limit on the EMI plots is only for spurious and harmonics that were not fall in the restricted bands.**