



5, Oct., 2009

Subject: Request for a limited modular approval - FCC ID: OVHCAM-VC2W

Dear Application Examiner,

The product to be approved under FCC ID: **OVHCAM-VC2W** for FCC authorization is to be for a limited modular approval. The requirements of FCC 15.212 are met.

The following requirements are fulfilled:

**1. The modular transmitter must have its own RF shielding**

*The PCB is housed inside a plastic cap with the inside of the cap professionally sprayed with copper coating using Spraylet 2000. The top open side of the board is covered with an aluminum plate which makes multiple electrical contacts with the side wall of the painted cap and only has holes to allow the cables from the PCB to exit the whole enclosure after assembly.*

**2. The modular transmitter must have buffered modulation/data inputs**

*Besides the Power supply wires, the module has a pair of signal wires which are buffered signal pair using industrial standard RS485.*

**3. The modular transmitter must have its own power supply regulation**

*The Modular transmitter has its own power supply which has the capability of accepting 7 to 30 volt input and regulates it down to 3.3 volt for the board electronics.*

**4. The modular transmitter must comply with the antenna requirements of  
Section 15.203 and 15.204c**

*The antenna is a regular SMA connector. However, the EUT will be professionally installed. Due to the fact this requirement cannot be met, we are applying for a limited modular approval.*

**5. The modular transmitter must be tested in a stand-alone configuration**

*The EUT was tested with the support equipment being 10 centimeters away, which meets the minimum separation distance required for the EUT per 15.212 (1)(v).*

**6. The modular transmitter must be labeled with its own FCC ID number**

*The EUT will be labeled with its own FCC ID number. It will always be visible after integration to the end product.*

**7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.**

*The EUT is compliant with all applicable FCC rules. Detail instructions are given in the Users Guide.*

**8. The modular transmitter must comply with any applicable RF exposure requirements.**

*The EUT meets the RF exposure requirements because the EUT is a mobile unit (will be at least 20 centimeters away from the user) and the MPE is  $0.014744034 \text{ mW/cm}^2$  at 20 centimeters, which is below the limit of  $1 \text{ mW/cm}^2$  allowed for general population.*

**9. Explanation of how the end product into which the module will be installed will be maintained such that full compliance of the end product is always ensured.**

*The power level is preset at the manufacturing level and cannot be changed by the user in the field. The last step in the production final check cycle is to check for the power level and making sure less than the maximum power is used.*

Please contact me at **949-270-9626** if you have any additional questions.

Best Regards,



William Lee  
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