



February, 08th 2012

To: Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046-1609

Application for Class II permissive Change FCC ID: YSGKA961

Dear Sir,

LCIE on behalf of SORIN CRM herein is submitting a Class II permissive change for Smartview Monitor KA961, already certified the 12/21/2011.

The Smartview Monitor is a radiating product that contains 3 main radiating systems.

- MedRadio band
- ISM band
- GPRS bands

When dealing with radiating systems it includes all the mechanics, and mainly the motherboards and other objects in the surroundings of the main board. It means that for one system (MedRadio for instance) the other systems (ISM and GPRS) interfere with the antenna design.

For the MedRadio band, the radiating system is influenced by the size of the motherboard. It means that any extension to it is viewable from a MedRadio stand point of view. (the wavelength is roughly around 75 cm, so the quarter wave length is around 19 cm which bigger than the real dimension of the mother board). The cable where the GPRS antenna is attached extends in a certain manner the size of the motherboard, modifying the radiation pattern and Gain of the MedRadio antenna system.

For improving the performance of the GPRS function, it was needed to change the GPRS antenna system. The modification involved changing the antenna model, the cable and the positioning of this two elements in the HM enclosure.

Due to that the MedRadio band effective radiation resulted modified by 1.2 dB (as mentioned in MISC1052A in table 1.5 – at 330 degree the max output power has been measured at -16.8 dBm so 1.2 dB over the limits). We added a extra 1 dB of margin.

*Effective Radiated power carried out after this modification September 23th 2011 as indicated in test report 108778-616874-B is measured at 7.1 µW in place of 20.89 µW. **The level to be considered is 7.1 µW.***

Consequently the output power has been reduced by 2dB (2dB that are justified by the settings used relatively to the datasheet of the ZL101 chipset) in order to not exceed the limit imposed by standard.

The placement of such GPRS antenna system (cable+antenna) is controlled by specific mounting procedure at the factory as well to guaranty the placement reproducibility for product to product.

Sincerely,

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