

MODULAR APPROVAL REQUEST

October 17th 2013

TRaC Global
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Leigh Sinton Road
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Worcestershire
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UK

RE: FCC Modular Approval
FCC ID: S4GEM358X

To Whom It May Concern:

Please be advised that the manufacturer requests that the above-referenced model be approved for Licensed Modular Approval in accordance with the FCC Rules and Regulations.

Our Product meets the FCC modular approval policies in the following ways:

i The radio elements must have the radio frequency circuitry shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly;

The radio frequency circuit is shielded by the metal two part shielding can.

ii The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal;

The modulation of the radio is under control of the on board microcontroller running the ZigBee radio stack. There is no stimulus on the IOs of this microcontroller which can directly affect the behavior of the radio circuitry.

iii The module must contain power supply regulation on the module;

The radio SoC contains two on chip voltage regulators (1.8V and 1.2V) which supply the radio and the digital circuitry making them independent of the module's supply voltage.

iv The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b);

- v The module must demonstrate compliance in a stand-alone configuration;
- vi The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 997198 about labelling requirements);
- vii The module must comply with all specific rules applicable to the transmitter. The grantee must provide comprehensive instructions to explain compliance requirements;
- viii The module must comply with RF exposure requirements. For any transmitters intended for use in portable devices, SAR compliance must be demonstrated to be independent of the host device. See KDB Publication 447498 Item 2) as a guide to determine if a transmitter can be tested without being limited to a host device. If SAR compliance can only be demonstrated in specific host types or platforms, then the module type must be "limited."

Thank you for your attention to this matter.

Yours faithfully

Telegesis (UK) Ltd



Marius Munder