

## MODULAR APPROVAL REQUEST

*Wednesday, 16 April 2014*

TRaC Global  
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UK

RE: FCC Modular Approval  
FCC ID: S4GSEM357L

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 meet 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 a metallic 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 data inputs are buffered by the microcontroller embedded in the Silicon Laboratories EM357.**

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

**The EM357 uses on chip voltage regulators to provide a regulated voltage to the radio circuitry.**

**iv** The module must contain a permanently attached antenna, or contain a unique antenna onnector, 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);

**The unique antenna connector and antennas are listed in the test report and user manual.-**

**v** The module must demonstrate compliance in a stand-alone configuration;

**The module was tested in stand-alone configuration with a supporting equipment which only purpose was to allow interaction with the EUT for the purpose of testing.**

**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);

**Please see the label specification and external pictures.**

**vii** The module must comply with all specific rules applicable to the transmitter. The grantee must provide comprehensive instructions to explain compliance requirements;

**The module is compliant with all applicable FCC rules. Detailed instructions for maintaining compliance are provided in the product manual.**

**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."

**The EUT is compliant with all applicable RF exposure requirements.**

Thank you for your attention to this matter.

Yours faithfully

*Telegesis (UK) Ltd.*



Marius Munder - CTO