

## MODULAR APPROVAL REQUEST

*Date 2022-01-27*

Element Materials Technology  
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Leigh Sinton Road  
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Worcestershire  
WR14 1BX  
UK

RE: FCC Modular Approval  
FCC ID: WP5TWN4F21

To Whom It May Concern:

Please be advised that the manufacturer requests that the above-referenced model be approved for 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;

**Elatec: The modul doest not have a shielding over its RF circuitry. For this reason, Elatec wants to apply limited approval.**

**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;

**Elatec: Hereby confirmed. The RF frontend is from NXP, type PN5180 or equivalent**

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

**Elatec: Hereby confirmed. The voltage regulator is from TI, type TPS73533 or equivalent**

**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);

**Elatec: the external antennas are soldered to the module and specified in integration manual.**

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

**Elatec:** For compliance purposes, the module is operated 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);

**Elatec:** Because of the size of the module the FCC ID label will be placed on the package.

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

**Elatec:** See test report and integration 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."

**Elatec:** It complies with RF exposure requirements. See attestation letter.

Thank you for your attention to this matter.

Yours faithfully

**COMPANY** Elatec GmbH  
Zeppelinstr. 1  
82178 Puchheim, Germany

*Signature*



**NAME** Christian Kiermeier (Agent)