



Security Solutions & Services Division

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To: Curtis-Straus LLC
Certification Department
527 Great Road
Littleton, MA 01460

Modular approval letter

Dear application examiner,

THALES TRANSPORTATION SYSTEMS, would like to have your authorization as a modular approval on the ARF32 with FCC ID: V33ARF7044. The requirements of CFR 47 part 15.212 have been met and shown in the following statement,

| Modular approval requirement | Applicant's answer |
|--|--|
| Have its own RF shielding | The equipment has its own RF shielding, see Photos-internal |
| Have buffered modulation/data inputs (if such inputs are provided) | The equipment has buffered data input with the UART, see users manual |
| Have its own power supply regulation | The equipment has power supply regulation, see block-diagram |
| Meet the antenna requirements of Section 15.203 | Permanently attached antenna, see Photos-internal |
| Be tested in a stand-alone configuration, i.e., the antenna, AC or DC power and data input/output lines must be connected to the module but, the module must not be inside another case during testing | Equipment tested in stand-alone, see test report and Photos-test-set-up |
| Be labeled with its own FCC ID number, and if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: XYZMODEL1" or "Contains FCC ID: XYZMODEL1." The exact wording is not specified in our Rules (since modules are not specifically addressed), so you may use similar wording which expresses the same meaning. | The label with the FCC ID is on the equipment, see label sample. The user manual includes instruction to explain how to label the end product |
| Module meets all the specific rules and operating requirements that ordinarily apply to a complete transmitter. All the necessary instructions are provided in the manual. | The user manual includes the necessary instructions. |

Thales Transportation Systems S.A.

S.A. au capital de 21 244 095 Euros

Siège social : Centre du Bois des Bordes - BP 57 - 91220 Brétigny-sur-Orge - France

N° SIRET 389 381 377 00024 - RCS ÉVRY 389 381 377

| Modular approval requirement | Applicant's answer |
|--|---|
| <p>Address compliance with the Commission's RF exposure limits in Sections 1.1310 and 2.1093. Unlicensed PCS devices operating under Subpart D of Part 15, UNII devices operating under Subpart E of Part 15, and millimeter wave devices operating under Sections 15.253 and 15.255 require routine environmental evaluation for RF exposure prior to equipment authorization in accordance with Sections 15.319(i), 15.407(f), 15.253(f) and 15.255(g), respectively. Therefore, routine RF evaluation is required for these transmitters. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF exposure compliance in accordance with Section 15.247(b)(4). If it cannot be demonstrated that a spread spectrum transmitter will meet these requirements with proper installation, operating/ warning statements or labels, routine RF evaluation must be used to demonstrate compliance</p> | <p>The equipment complies with the RF exposure requirements, see document MPE-calculation-ARF32</p> |

Best Regards,

Moncef AZZOUZI, engineer

Signature

