

Modular Approval Request Letter

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Product Name: Radio module

Model Number: D00005-05


FCC ID: ONFC1104B

Date: 2011-09-14

Requirement of Public Notice DA00 - 1407 / part 15.212	
1. The modular transmitter must have its own RF shielding.	This module is only used in our own specific products and not for OEM market.. We have optimized the EMC to comply with the relevant standards and FCC part 15 regulations. The radio part is based on an IC Chip ADF7021solution and therefore the physical dimensions of the active RF part makes the EMI minimal, The IC integrates the high frequency parts inside itself; especially the whole VCO circuitry including the VCO inductor, and the PA is integrated, and can be considered shielded. Thus no extra RF shielding is needed.
2. The modular transmitter must have buffered modulation/data inputs.	This module is only used in our own specific products and not for OEM market. We have total control of the design and the data protocol through IC Chip ADF7021. The radio IC we use complies with FCC part 15.
3. The modular transmitter must have its own power supply regulation.	This module is only used in our own specific products and not for OEM market, it is always power supplied from the main board with the nominal power supply voltage +3.3VDC. The radio IC complies with FCC part 15.
4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).	The antenna is connected via a Reversed SMA connector which is a non standard connector. The antenna configuration used for testing is the same that will be supplied to the customer.
5. The modular transmitter must be tested in a stand - alone configuration, i.e., the module must not be inside another device during testing.	This module is always powered by the main board where it is attached. The module is used in the same manner during testing and end product usage.
6. The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed	This module will be labelled with its FCC ID number. When the module is installed in our products and it is not visible, an external label will be applied which refer to

<p>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.</p>	<p>the modules FCC ID number inside.</p>
<p>7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.</p>	<p>This module will only be used in our own specific products which are controlled by our own requirement specifications. The user manuals are based on the requirement specifications.</p>
<p>8. The modular transmitter must comply with any applicable RF exposure requirements. For example, FCC Rules in Sections 2.1091, 2.1093 and specific Sections of Part 15, including 15.319(i), 15.407(f), 15.253(f) and 15.255(g), require that Unlicensed PCS, UNII and millimeter wave devices perform routine environmental evaluation for RF Exposure to demonstrate compliance. 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).</p>	<p>This module is used in products operating as a mobile transmitting device with respect to 2.1091. For final product, end-users must be provided with transmitter operation conditions for satisfying RF exposure compliance.</p>

Thank you.
Sincerely,



Jesper Ribbe

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