

ABB Enterprise Software Inc.  
3055 Orchard Drive,  
95134 San Jose, US

## Modular Approval Letter

**2020-11-05**

FEDERAL COMMUNICATIONS COMMISSIONS  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, MD 21046

Subject: Modular Approval Letter

The Device, FCC ID: P9J-NEPTUNE58, is seeking FCC authorization as a modular transmitter. The EUT meets the requirement for modular approval as detailed in FCC Public Notice DA 00-1407. Compliance to each of the requirements is described below:

Item	Requirements	EUT
1	The modular transmitter must have its own RF shielding.	<b>Device is equipped with Metal shielding to cover RF section. Refer to external photos</b>
2	The modular transmitter must have buffered modulation/data inputs.	<b>All inputs to the modules are buffered through logic or microprocessor inputs.</b>
3	The modular transmitter must have its own power supply regulator	<b>Internal power regulator. Refer to Block diagram</b>
4	The modular transmitter must comply with the antenna requirement of section 15.203 and 15.204(c)	<b>Device is equipped with unique antenna connector. Refer to external photos</b>
5	The modular transmitter must 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	<b>Device was tested inside a host device for Limited Modular Approval. Refer to setup photos.</b>
6	The modular transmitter must be labeled with its own FCC ID number <b>and</b> 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.	<b>Label of the module has been provided. Refer to the Theory of operations document.</b>
7	The modular transmitter must comply with any specific rule or operating requirements and the manufacturer must provide adequate instruction along with the module to explain any such requirements.	<b>Refer to "User's Guide" Exhibit</b>

	The modular transmitter is manufactured so that the user cannot influence the operation of the transmitter that will operate outside of the scope of the regulations.	
8	The modular transmitter must comply with any applicable RF exposure requirements. Address compliance with the Commission's RF exposure limits in Sections 1.1310 and 2.1093. 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).	<b>RF exposure evaluation was performed on the module inside a host device in accordance with FCC 2.1091.</b>

Sincerely Yours,



Paul Gordon  
VP of Engineering  
Hitachi ABB Power Grids  
ABB Enterprise Software Inc.,  
95134 San Jose, US