

Hitachi Energy USA, Inc  
 2535 Augustine Drive  
 Santa Clara, CA 95054  
 USA

BUSINESS

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

FROM  
 Tore Gillbrand  
 PHONE DIRECT  
 +1 (650) 4213832  
 E-MAIL  
 tore.gillbrand@hitachienergy.com  
 DOCUMENT ID

FAX DIRECT

REFERENCE NO.

DATE  
 2023-12-06

### Modular Approval Request

The Device, FCC ID: **P9J-BLUEFIN24**, 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 | Requirement   | EUT  |
|------|---|--|
| 1    | The modular transmitter must have its own RF shielding.   | Device is equipped with Metal shielding to cover RF section. Refer to external photos  |
| 2    | The modular transmitter must have buffered modulation/data inputs.  | All inputs to the modules are buffered through logic or microprocessor inputs.   |
| 3    | The modular transmitter must have its own power supply regulator  | Internal power regulator. Refer to Block diagram   |
| 4    | The modular transmitter must comply with the antenna requirement of section 15.203 and 15.204(c)  | Device is equipped with unique antenna connector. Refer to external photos   |
| 5    | The modular transmitter must be tested in a stand-alone configuration   | Test were executed with the module connected via PCIe interface to an Atheros chipset-based platform and Atheros art GUI software (to control the module). Refer to setup photos.                                |
| 6    | The modular transmitter must be labeled with its own FCC ID.  | Two proposed FCC ID label formats are included in the filing. One label is to be placed on the module. The other label is to be placed on the outside of system. Refer to FCC ID label format and location file. |
| 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. | Refer to "User's Guide" Exhibit  |

|   |   |                                 |
|---|---|---------------------------------|
| 8 | The modular transmitter must comply with any applicable RF exposure requirements. | Refer to "RF Exposure" Exhibit. |
|---|---|---------------------------------|

Yours sincerely,



Tore Gillbrand  
Vice President - Global Product Management