

Information about the Applicant

| | |
|-------------------------|-----------------------------------|
| Company Name | Intermec Technologies Corporation |
| Grantee | Cheryl White |
| Address | 6001 36th Ave W |
| City, State, Zip | Everett, WA 98203 |
| Job Number | ITRM0056 |
| Model | C30XX |
| FCC ID | HN2-C30XX |
| Agent | none |
| Approval Type | Original |
| Equipment Class | DTS Digital Transmission System |
| Rule Part | Bluetooth |

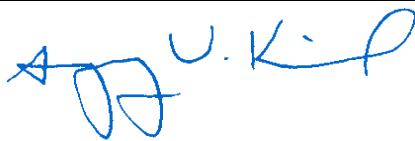
Overview

Intermec Technologies Corporation is seeking certification of their Model C30XX Bluetooth radio module under 15.247 of the FCC rules. Intermec Technologies Corporation is requesting Limited Modular Approval of the C30XX radio as a portable module with some mobile exposure conditions. This particular application includes co-location with an RFID radio in a mobile configuration. Future portable integrations will require Class 2 permissive changes that include SAR data.

The Bluetooth radio module is manufactured by Mitsumi and is sourced to Intermec via a USA distributor. A 7 Layers EMC report is included in the filing showing the transmitter conducted characteristics and radiated spurious emissions as a module. The 7 Layers report was originally filed for FCC ID: POOWML-C30XX. An Intermec co-location EMC report is also included in this filing to show compliance during simultaneous transmission with an RFID radio in a mobile configuration.

Recommendation

All items have been resolved and completed to my satisfaction; therefore I recommend this application for approval.

Signature

2/9/2005

Greg Kiemel, TCB Committee

| Findings | |
|---------------------|--|
| Specification | Finding |
| 47 Cfr 2.1033(b)(5) | Schematic diagram |
| Finding | A model C20AH is listed on the schematics |
| Resolution | The client provided an updated attestation letter that explains the difference in model numbers. . |

| Opinions | |
|----------------------------|---|
| Specification Requirements | Description |
| 47 Cfr 2.1033(b)(3) | Installation guide, operating instructions, user manual |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | User Info and Compliance Statement.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 2.1033(b)(4) | Operational description |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | Operational Description.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 2.1033(b)(5) | Frequency block diagram |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | Operational Description.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 2.1033(b)(5) | Schematic diagram |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has submitted the required information. |
| Reference | Schematics.pdf |

| Specification Requirements | Description |
|----------------------------|---|
| 47 cfr 2.1033(b)(6) | Test Report |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 2.1033(b)(6) | Conversions showing how the test results were achieved |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 2.1033(b)(7) | Internal and external photos |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | Internal Photos.pdf, External Photos.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| Required Exhibit | Test Setup Photo Exhibit |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | Test Setup Photos.pdf |

| Specification Requirements | Description |
|---|--|
| 47 Cfr 1.1307(b), 2.1091, 2.1093 | RF Exposure Hazard |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | RF Exposure.pdf, RF Exposure - Colocation inside IV6.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 15.19 | Labeling |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | User Info and Compliance Statement.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 15.21 | Information for user |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | User Info and Compliance Statement.pdf |

| Specification Requirements | Description |
|----------------------------|---|
| 47 Cfr 15.33 | Frequency range of tests |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|---|
| 47 Cfr 15.35 | Measurement detectors |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|---|
| ANSI C63.4 EUT Ports | All EUT ports populated, emissions maximized, Antenna height adjusted |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 15.203 | Antenna Requirements |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | Antenna Info.pdf |

| Specification Requirements | Description |
|----------------------------|---|
| 47 Cfr 15.205 | Restricted bands |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|---|
| 47 Cfr 15.207 | Power line Conducted emissions |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf, Co-location AC Conducted Test Data.pdf |

| Specification Requirements | Description |
|----------------------------|---|
| 47 Cfr 15.209 | Spurious Emissions |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf |

| Specification Requirements | Description |
|---------------------------------|--|
| BLUETOOTH FCC Procedure 2-15-02 | Bluetooth Common Items |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report Annex.pdf |

| Specification Requirements | Description |
|----------------------------|---|
| 47 cfr 15.247 | Operation within specified bands |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 15.247(a) | Occupied Bandwidth |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 15.247(b) | Output Power |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 15.247(d) | Band Edge Compliance |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 15.247(d) | Spurious Conducted Emissions |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|---|
| 47 Cfr 15.247(d) | Spurious Radiated Emissions |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf, Co-location Test Report.pdf |

| Specification Requirements | Description |
|----------------------------|--|
| 47 Cfr 15.247(e) | Power Spectral Density |
| Opinion | The device meets the requirements of the rule. |
| Discussion | The client has provided the necessary exhibit. |
| Reference | 7 Layers Test Report.pdf |