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Industry Canada
Certification and Engineering Bureau
3701 Carling Avenue Bldg. 94
P.O. Box 11490, Station "H"
Ottawa, Ontario
K2H 8S2

Subject: Modular Approval (MA) Attestation for Bluetooth™ Transceiver Module,
Model UGPZ6, IC: 1788F-UGPZ6

Gentlemen:

We have the following attestation to the nine requirements described by the clause 5.18 of RSS-210
"Modular Construction".

1. Compliance with technical specifications.

The module comply with the requirements of clause 6.2.2 (o) of RSS-210 applicable to the
frequency band of 2400-2483.5MHz.

Please refer to the test report (No.25JE0028-YK-2).

2. RF shielding.

The model, UGPZ6 Bluetooth™ transceiver module (hereinafter "module") has an own RF
shielding.

The shielding is made by metal and completely added to RF part during our manufacturing.
It is not easily removed from the completed module.

Please refer to the assembly drawing and an external photograph.

3. Excessive data rates or over modulation.

The module circuit buffers all modulation and control of the transmitter.

The control of the transmitter is via data commands and software instructions contained within
the module.

The transmitter is tested with the module operated at the maximum power. Data commands are
reduced the power of transmitter but do not influence the modulation contents.

4. Power supply regulation and local reference oscillator

The module has its own power supply regulator to insure compliance with RSS-210 requirements
regardless of the quality or level of external DC supplying the module from the end product.

Please refer to the attached schematics and diagrams.

The regulator operates with 1.8Vdc.

5. Antenna and unique coupler requirements to antenna connector.

The 1/4 wave monopole antenna consists of chip antenna, unique antenna connector and the PCB. The RF cable having unique connector on both ends is used for connection between the antenna and the module.

The reversed "F" type antenna consists of metal type antenna.

Two "F" type antennas are used alternatively.

Please find "Declaration concerning Antenna Specification" for detail.

Those unique antenna connectors meet the unique coupler requirements of clause 5.5 of RSS-210.

Because the external antenna is used for the module, we specify the following meaning to "User Guide Information" for OEM inserted into the user manual to comply with clause 5.5 of RSS-210 for end product.

(1) No modification of antenna will be allowed.

(2) The end product must be certified by I.C, if customer will use the unique antenna.

6. Label with own I.C certification number and exterior label.

The module is labeled with own certification number. Please refer to the drawing of label and an assembly drawing for its location on the module.

Since the certification number will not be visible when the module is installed inside the end product, there are instructions given to our customers on how to apply the exterior label.

Please refer to the "User Guide Information".

7. Stand-alone configuration

The modular transmitter has been performed the testing as a stand alone and then confirmed the compliance. Please refer to the Test report. (No. 25JE0028-YK-2)

8. Compliant with any specific rule or operating requirements.

The module as manufactured is completely controlled by the onboard processor. There are no influences to the operation of the transmitter the end user can induce that will operate the module outside of scope of the regulations. The necessary explanation for user to be complied with this requirement is contained in the manual.

9. RF exposure requirements.


This module is intended to use into any end product of mobile and portable device application.

Since the module only radiates very low power levels and operates in band of 2.4GHz, it complies with the RF exposure limits for human, as specified in Health Canada's Safety Code 6 and reproduced in RSS-102.

Then, please refer to "Exposure of Humans to RF Field Requirements" for the detail.

Sincerely yours,

Signature:



Name: Masaaki Ueki

Title: Compliance Team Leader

Company: Alps Electric Co., Ltd Communication Devices Division