

RF Exposure Statement: JP25G7RX 001Page 1 of 1
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Client: A&D Co Ltd
1-243 Asahi, Kitamoto-city, Saitama, 364-8585, Japan

Test item: Premium Weight Scale

Identification: UC-352BLE

FCC Requirement

According to §1.1307 (b)(1)(i)(A) and KDB 447498 D04 v01, transmitter device is qualified as exemption of RF human exposure, when the transmitter power is below a threshold calculated by its relevant formula defined in §1.1307 (b)(3)(i)(B):

| Transmitter | Frequency [MHz] | ERP _{20cm} [mW] | Minimum Separation Distance d [cm] | Threshold P _{th} [mW] |
|-------------|-----------------|--------------------------|------------------------------------|--------------------------------|
| BLE | 2450 | 3060 | 0.5 | 3 |

Measurement Result

The maximum ERP from the transmitter (**EUT**) is given in the following table:

| Transmitter | Freq. Range [MHz] | Cond. Power [dBm] | Antenna Gain [dBi] | Maximum ERP [mW] |
|-------------|-------------------|-------------------|--------------------|------------------|
| BLE | 2402-2480 | -8.2 | 2.5 | <u>0.16</u> |

Note: The conducted power of BLE is cited from the test report JP24MOC8 by TUV Rheinland Japan.

The ERP in mW is calculated in conjunction with the following formula:

$$\text{ERP [mW]} = 10^{(\text{Conducted Power [dBm]} + \text{Antenna Gain [dBi]} - 2.15)/10}$$

Conclusion

This transmitter is classified as Portable Devices by the client.

As per the internal layout of the EUT, the shortest distance from the antenna to an outer surface of the enclosure can maintain more than 5 mm.

Eventually, SAR evaluation is not required, since the ERP is below the FCC SAR exemption threshold P_{th} at the separation distance of **5 mm** between the body of a user and the transmitter.

Hence, the device can be qualified as exemption from Routine Environmental Evaluation.