RF Exposure Statement: JP24S14A 002

Client:	A&D Co Ltd 1-243 Asahi, Kitamoto-city, Saitama, 364-8585, Japan
Test item:	Digital Blood Pressure Monitor
Identification:	UA-1040TBLE

FCC Requirement

According to §1.1307 (b)(1)(i)(A) and KDB 447498 D01 v06, 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	1.37	-0.4	**0.76**

Note: The conducted power of BLE is cited from the test report JP24S14A 001 by TUV Rheinland Japan.

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

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

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Conclusion

This transmitter is classified as Portable Devices by the client.

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 an operator and transmitters.

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