

RSS-102 Issue 5, Caluse 2.5: Exemption Limits for Routine Evaluation

RF function or Mode	Frequency range (MHz)			Max. Target Power(dBm) ^{Note1}	ANT Gain (dBi)	Maximum EIRP (dBm) ^{Note2}	Maximum EIRP (W) ^{Note2}	Requiriment (W)
LoRa(125kHz)	902.30	~	914.90	15.00	1.85	16.85	0.0485	1.3707
LoRA(500kHz)	903.00	~	914.20	15.00	1.85	16.85	0.0485	1.3715
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Note1: Please refer to the operation description for tune-up max.

Note2: Max conducted or eirp whichever is higher.

The EUT will only be used with a separation of 20 centimeters or greater between the antenna and the body of the user.

Caluse 2.5.2 Exemption Limits for Routine Evaluation – RF Exposure Evaluation

RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz;
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);
- **at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;**
- at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).

Conclusion : The exposure condition of this device is compliant with IC.