

Integration of the module into a Host device

There are no RF exposure concerns applicable to a portable host other than a 1.35 cm required separation distance between the radiator and any part of the body. No reduction in duty cycle or power is required to enable portable use. No reduction in duty cycle or power is required to enable portable use.

The LIFEPAK 35 may also collocate with the FCC Part 15C and 15E radio described on Physio-Control grant under FCC ID: CZO23LP35. The onboard radio may operate on the following bands:

2402 – 2480MHz

5180 – 5240MHz

5260 – 5320MHz

5500 – 5700MHz

5745 – 5825MHz

Simultaneous transmission on both radios is not possible.

An additional power reduction must be implemented in product firmware of an additional 0.5 dB to mitigate disconnection issues due to overheating of the cellular modem.

The LE910Cx mPCIe module has built-in thermal mitigation algorithm to reduce the probability of failure and extend the operation time with maximum performance.

The thermal mitigation algorithm operates according to the internal temperature value read through the temperature sensor.

The thermal mitigation algorithm limits the performance (UL throttling, Tx power back off, call drop, and so on) when the temperature is above a defined certain level.

Thermal Mitigation Level

The temperature sensor has several levels of thermal mitigation. Each level has predefined actions as below table and works in sensor individually.

Perform the following actions according to mitigation level to reduce/control the temperature:

Sensor	Level	Action	Comment
PA_THERM	0	-	
	1	Enable MTPL back-off	Limit maximum tX power (23dBm)
	2	Emergency Calls only	

After entering mitigation level 2, the device will register on the network after PA_THERM sensor reaches mitigation level 0. In other words, the sensor reading falls below the level 1 clear thresholds.

Labelling Requirements for the Host device

The host device shall be properly labelled to identify the modules within the host device.

The certification label of the module shall be clearly visible at all times when installed in the host device, otherwise the host device must be labelled to display the FCC ID and IC of the module, preceded by the words "Contains transmitter module", or the word "Contains", or similar wording expressing the same meaning, as follows:

LE910C4 NF

Contains FCC ID: CZO23L4N1

Contains IC: 1449A-23L4N1

Emergency Care

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L'appareil hôte doit être étiqueté comme il faut pour permettre l'identification des modules qui s'y trouvent. L'étiquette de certification du module donné doit être posée sur l'appareil hôte à un endroit bien en vue en tout temps. En l'absence d'étiquette, l'appareil hôte doit porter une étiquette donnant le FCC ID et le IC du module, précédé des mots « Contient un module d'émission », du mot « Contient » ou d'une formulation similaire exprimant le même sens, comme suit:

LE910C4 NF

Contains FCC ID: CZO23L4N1

Contains IC: 1449A-23L4N1

CAN ICES-3 (B) / NMB-3 (B)

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.