

Engineering Change

SUMMARY

EC Number	1
EC Date	21 October 2024
Project	FLoRa Communications
Issue Summary	Requirements v1.2
Change Summary	Fine-tuning, small rewording of requirement specs to reflect project goals.
Mitigation Summary	Preventing confusion with testing document. As project progressed, testing requirements were clarified and we need to update v1.1 to reflect that.
Impact Summary	Improve testability of requirements to demonstrate project completion.

DETAILS

Provide any additional details.

- Change 4-SW to 4-HW since LVD is handled in hardware and not software.
- Change 1-SW-T1.0/1 to have the specific domain name in it. Removed references to QR code which is not necessary anymore.
- 3-SW-R1 clarified the word "timestamp" to mean the order the messages were received.
- 5-SW-C1.0 change from "Neither message is lost" to "Packet loss is less than 15%" to align with our testing protocol and because 0% packet loss in any network is unrealistic.
- 5-SW-C1.1 clarified timestamp (see 3-SW-R1).
- 8-HW-C1.1 Specified which specs from the datasheet we will need to meet for the power supply unit.
- 10-HW-C1 Specified that the antenna match must be in the ISM band.
- 12-HW Cut out mention of specific "modes" from the requirement and made it more general to reflect how the firmware will actually work. Changed the test to reflect the requirement. Changed criteria to match the test and requirements.

APPROVAL

I approve this change.

Role	Name	Signature	Date
Developer	Aaron Huinink		21 October 2024
Customer	<i>Mel Dunder</i>	<i>[Signature]</i>	<i>21 October 2024</i>