Technical Note

Subject:	**VLU6M4SP - Label Artwork and Location (FCC)**		
From:	Redtail Telematics Ltd		
To:	To Whom it May Concern	cc:	
Date:	25.3.2025	Document ref:	RLTN0531v5

1 PURPOSE

This document addresses the request for technical information in support of FCC certification of;

VLU6M4SP-EW, part number 4909-1107-02,

VLU6M4SP, part number 4908-1107-02

2 FCC ID LABEL ARTWORK

2.1 Label Design

Shown below is a photograph of a typical label of an individual VLU6M4SP unit.

2.2 Label Material and Printing Quality

The labels shall be white polyester (2mil) with black printing. The printing media shall be of paper carbon content to insure passing ANSI X3.182 Bar Code Print Quality guideline.

The minimum symbol grade shall be;

- Minimum print quality grade = 1.5 (C)
- Measure aperture =0.10” (0.254mm)
- Inspection wavelength = 660 nanometers ±10 nanometers

Adhesive types can be pressure sensitive or dry gummed as long as adherence to the unit package substrate is assured and application is wrinkle free.

Abrasion-resistance. The labels shall resist smearing or erosion of the bar-coded symbol, delamination, loss of adhesion, discoloration, wrinkling, cracking, or any effect which is detrimental to the bar-coded symbol or the adhesion of the load of the label to the product. Bar-coded labels shall also be readable and conform to the reflectivity and print contrast requirements of ANSI X3.182 Bar Code Print Quality guideline.

Heat-Aging. The labels shall resist smearing or erosion of the bar-coded symbol, delamination, loss of adhesion, discoloration, wrinkling, cracking, or any effect which is detrimental to the bar-coded symbol or the adhesion of the load of the label to the product. Bar-coded labels shall also be readable and conform to the reflectivity and print contrast requirements of ANSI X3.182 Bar Code Print Quality guideline.

Solvent resistance. The labels shall resist smearing or erosion of the bar-coded symbol, delamination, loss of adhesion, discoloration, wrinkling, cracking, or any effect which is detrimental to the bar-coded symbol or the adhesion of the load of the label to the product. Bar-coded labels shall also be readable and conform to the reflectivity and print contrast requirements of ANSI X3.182 Bar Code Print Quality guideline.

Detergent resistance. The labels shall resist smearing or erosion of the bar-coded symbol, delamination, loss of adhesion, discoloration, wrinkling, cracking, or any effect which is detrimental to the bar-coded symbol or the adhesion of the load of the label to the product. Bar-coded labels shall also be readable and conform to the reflectivity and print contrast requirements of ANSI X3.182 Bar Code Print Quality guideline.

Salt Fog. The labels shall resist smearing or erosion of the bar-coded symbol, delamination, loss of adhesion, discoloration, wrinkling, cracking, or any effect which is detrimental to the bar-coded symbol or the adhesion of the load of the label to the product. Bar-coded labels shall also be readable and conform to the reflectivity and print contrast requirements of ANSI X3.182 Bar Code Print Quality guideline.

Solar-radiation. The labels shall resist smearing or erosion of the bar-coded symbol, delamination, loss of adhesion, discoloration, wrinkling, cracking, or any effect which is detrimental to the bar-coded symbol or the adhesion of the load of the label to the product. Bar-coded labels shall also be readable and conform to the reflectivity and print contrast requirements of ANSI X3.182 Bar Code Print Quality guideline.

Adhesion. All labels shall remain attached to the product for the specified time.

Backing Sheet. The release coasting shall allow deliberate manual or automatic peel off of the label without any sign of delamination, loss of adhesion, discoloration or tearing of the label or backing sheet. Also, the release coating shall prevent accidental peel off or separation of the label from the backing sheet.

Ultraviolet (UV) light/condensation. The labels shall resist smearing or erosion of the bar-coded symbol, delamination, loss of adhesion, discoloration, wrinkling, cracking, or any effect which is detrimental to the bar-coded symbol or the adhesion of the load of the label to the product. Bar-coded labels shall also be readable and conform to the reflectivity and print contrast requirements of ANSI X3.182 Bar Code Print Quality guideline.

3 LABEL LOCATION

3.1 Location of Product Label

The FCCID label is attached to the product enclosure at time of manufacture. Dimensions 69 x 26mm

An example placement is shown below;

3.2 Location of FCC Statement

The FCC Statement is printed on an adhesive label attached to the product box, as shown below;