

Spot Check Evaluation

APPLICANT	Displaydata Limited
EQUIPMENT	Electronic Shelf Label
Model NAME	Chroma 27+
MODEL NAME	DD27-3A
FCC ID	VC7-A001460

REVISION HISTORY

VERSION	DATE	DESCRIPTION
01	17-04-2023	First issue.

1 Introduction

Displaydata models, Model name Chroma 27L, and Model name Chroma 27+ are closely related products which are electrically similar. Therefore, Displaydata intends to assign the same FCC ID, VC7-A001460, to both models.

To demonstrate FCC compliance of both models, the reference model, Chroma 27L, has been subject to full FCC testing i.e., EMC and RF Exposure, and spot-check measurements have been carried out on the variant model Chroma 27+

	Reference Model	Variant Model
Equipment	Electronic Shelf Label	Electronic Shelf Label
Model Name	Chroma 27L	Chroma 27+
Model Number	DD27-3A	DD27-3A
FCC ID	VC7-A001460	VC7-A001460
Equipment Class	DXX	
FCC Rule Parts	FCC/CFR 47:Part 15B 15.109 FCC/CFR 47:Part 15C 15.249	
Band(s)	902 – 920 MHz	

We, Displaydata Ltd., take full responsibility that the test data as referenced in this report represents compliance for the model Chroma 27+, DD27-3A, FCC ID: VC7-A001460.

2 Model Difference Information.

The “Chroma 27+ is a depopulated version of the “Chroma 27L” product, i.e., the LED indicator and the associated LED driver components are depopulated from the PCB. Thus Chroma 27+ is a model variant of fully populated reference model “Chroma 27L”.

Otherwise, these models use the same materials, mechanical form factor, display, antenna, PCB layout and component positions on the PCB.

3 Spot Check Verification Data.

As per FCC practice, we have considered the fully featured (populated) “Chroma 27L” model to be the worst case and have subjected this model to full FCC Part 15 testing. We have performed spot checks on the variant model, Chroma 27+, to demonstrate its similarity and FCC compliance.

The spot-check data For Chroma 27+ may be found in the following exhibit:

Test Report Reference:	4786 ER
EMC Test laboratory	Eurofins E&E Hursley Limited Trafalgar Close, Chandlers Ford, Hampshire, United Kingdom
FCC Registered:	UK2006
Test Case	Radiated Emissions only, worst case

4 Reference Section

Please refer to following data for cross-referencing

Test Report Title:	Radio Test Report
Test Report Reference:	4153B FR
EMC Test laboratory	Eurofins E&E Hursley Limited Trafalgar Close, Chandlers Ford, Hampshire, United Kingdom
FCC Registered:	UK2006
Band(s)	902 – 920 MHz
Emission Classification	F1D

5 Conclusion.

The spot check test result from the variant model, and the test data from the reference are comparable and within prescribed FCC limits.



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