



# Certificate of Calibration

VECTOR SR

Speed and/or Traffic Signals Enforcement Device

"I confirm that the VECTOR SR Enforcement System for Speed and/or Traffic Signals described below has been calibrated to the documented parameters as recorded below using measurement devices calibrated to National Standards in accordance with the Home Office Type Approval for the VECTOR SR device.

All parts and components used in Device Serial Number JE8100518-0007 including any replaced are identical to those used in the device as Type-Approved"

Signed by:

A handwritten signature in black ink, appearing to read "Derek Penn", written over a horizontal line.

Derek Penn  
**Director of Operations**

Calibrating Engineer:	Stephen Pigden
Site Code:	5120
Site Name:	Rhiwbina Hill
Project ID:	P4544M (P3849SR)
Device Location:	51.5299, -3.22243
Site Calibration Start Date:	04/05/2023
Radar Factory Calibration Date:	27/04/2023
Valid Until*:	03/05/2024

\* Site Calibration Valid until up to one year from Site Calibration Start Date, or three years from Radar Factory Calibration Date, whichever is sooner.



Date	
Site Calibration Start Date	04/05/2023

Location	
Site Name	5120 - Rhiwbina Hill
Device Location	51.5299, -3.22243

Asset Calibration	
Device Serial Number	JE8100518-0007
VECTOR Serial Number	SB160218-0021
Device Distance to Notional Stop Line (m)	29
Device Height (m)	5.29
Device Offset (m)	4.305
Site Calibrated by	Stephen Pigden

Radar Factory Calibration Report	
FST3 Radar Serial Number	590-113/62432
Radar Factory Calibration Date	27/04/2023
Specified Radar Frequency (GHz)	Measured Radar Frequency (GHz)
24.045	24.047
24.085	24.087
24.125	24.127
24.165	24.167
24.205	24.207
Radar Speed Test	
Simulated Speed (km/h)	Measured Speed (km/h) Approach / Recede
10	10.1 / 10.1
50	50.1 / 50.1
100	100.2 / 100.2
200	199.8 / 199.8
250	249.9 / 249.9
300	300.0 / 300.0

Calibration Tools				
Measuring Tape	Calibration Date:	04/05/2023	Serial Number:	SP-VYS-01
Laser Measure	Calibration Date:	08/03/2023	Serial Number:	332320238
Radar Alignment Tool	Calibration Date:	04/05/2023	Serial Number:	W465-000/60015