



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 JE820101024-0436 including any replaced are identical to those used in the device as Type-Approved"

Signed by:

A handwritten signature in blue ink, appearing to read "Derek Penn".

Derek Penn

Director of Operations

Calibrating Engineer:

Stephen Pigden

Annual Inspection Engineer:

Nigel Payne

Site Code:

6128

Site Name:

A4161 Newport Rd Jct with Colchester Ave Cardiff

Project ID:

P5437SR

Device Location:

51.4951, -3.14368

Initial Site Calibration Start Date:

10/03/2025

Annual Inspection Date:

13/04/2026

Radar Factory Calibration Date:

14/10/2024

Valid Until*:

12/04/2027

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



Date	
Initial Site Calibration Start Date	10/03/2025
Annual Inspection Date	13/04/2026

Location	
Site Name	6128 - A4161 Newport Rd Jct with Colchester Ave Cardiff
Device Location	51.4951, -3.14368

Asset Calibration	
Device Serial Number	JE820101024-0436
VECTOR Serial Number	SB160723-0288
Device Distance to Notional Stop Line (m)	29.80
Device Height (m)	5.58
Device Offset (m)	4.65
Site Calibrated by	Stephen Pigden
Site Inspected by	Nigel Payne

Radar Factory Calibration Report	
FST3 Radar Serial Number	590-113/80491
Radar Factory Calibration Date	14/10/2024
Specified Radar Frequency (GHz)	Measured Radar Frequency (GHz)
24.045	24.047
24.085	24.089
24.125	24.128
24.165	24.168
24.205	24.208
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

Initial Calibration Tools				
Measuring Tape	Calibration Date:	10/03/2025	Serial Number:	SP-VYS-01
Laser Measure	Calibration Date:	09/10/2024	Serial Number:	1034750705
Radar Alignment Tool	Calibration Date:	10/03/2025	Serial Number:	60065

Annual Inspection Tools				
Vbox	Calibration Date:	12/02/2026	Serial Number:	85101
Laser Measure	Calibration Date:	21/11/2025	Serial Number:	1033930417