



**Queensland Police Service  
Calibration Laboratory  
20 Pickering Street  
Alderley QLD 4051**

**TS-C-10**

**SPEED CAMERA TEST SHEET - GATSO RS-GS SERIES**

UNIT DETAILS			
Type: <b>Gatso RS-GS 2</b>	System Number: <b>0538</b>	Reference Number: <b>184598</b>	
Serial Numbers	Decision Unit: <b>0538U</b>	Antenna: <b>0538A</b>	Camera: <b>0539C</b>
User Interface Software Version (1): <b>1.3.28.8</b>	Camera GS 2 Software version (2): <b>1.3.37</b>		
Antenna Software Version (3): <b>1.3.15.P30</b>	Radar System Software Version (4): <b>1.3.8.11</b>		

BENCH TESTS			
Bench: <b>Camera Bench</b>		Displayed Temp: <b>23.8</b> °C (21°C to 27°C)	
Test Equipment	Thermometer S/N: <b>T5</b>	Digital Clock S/No: <b>31062</b>	
	Check Due: <b>14/06/2024</b>	Cal Due: <b>05/04/2024</b>	
	Reference Freq. Std S/No: <b>15010197</b>	Function Generator S/No: <b>MY52201248</b>	
	Cal Due: <b>24/04/2024</b>	Cal Due: <b>22/01/2025</b>	
	Frequency Counter S/No: <b>US40521290</b>		
	Cal Due: <b>06/12/2024</b>		
Transmit Frequency: <b>24.146</b> GHz ( 24.125 ± 0.025 GHz Range: 24.100 to 24.150 GHz )			
SIMULATED SPEEDS:	RS-GS 2 <input checked="" type="checkbox"/>	1942 Hz <b>50</b> (50 km/h)	3883 Hz <b>100</b> (100 km/h)
	RS-GS11 <input type="checkbox"/>	2107 Hz (50 km/h)	4214 Hz (100 km/h)
DECISION UNIT Lamps & Clock	<input checked="" type="checkbox"/> Power On	<input checked="" type="checkbox"/> Battery Low	<input checked="" type="checkbox"/> Edit
	<input checked="" type="checkbox"/> Radar On	<input checked="" type="checkbox"/> Radar Signal	<input checked="" type="checkbox"/> Radar Range II
Date & Time (inc D\S & Zone)			
SECOND IMAGE Test	Distance: <b>10</b> metres @ 100 km/h		Time Interval: <b>0.36</b> seconds @ 100 km/h
CAMERA Lamps	<input checked="" type="checkbox"/> Power	<input checked="" type="checkbox"/> Trigger	<input checked="" type="checkbox"/> Flash A
	<input checked="" type="checkbox"/> Flash B		
DECISION UNIT Functions (using Gatso Windmill)	<input checked="" type="checkbox"/> Next (C)	<input checked="" type="checkbox"/> Receding	<input checked="" type="checkbox"/> Approaching
	<input checked="" type="checkbox"/> Self Test (T) [Windmill - OFF]		
DECISION UNIT Functions (using Gatso Simulator)	<input checked="" type="checkbox"/> Range	<input checked="" type="checkbox"/> Direction	<input checked="" type="checkbox"/> Car/Truck
	<input checked="" type="checkbox"/> Forward	<input checked="" type="checkbox"/> Away Vehicles	<input checked="" type="checkbox"/> Bi-directional
At the completion of the above tests, the device's speed computing unit was sealed using tamper evident adhesive seals.		Name of Testing Officer:	<b>Mario Sarmiento</b>
Date and Time of test: <b>15/03/2024 13:26</b>	Signature of Testing Officer:	Digitally signed by Mario R. Sarmiento Date: 2024.03.18 06:56:25 +10'00'	

Tests performed in accordance with approved laboratory procedure SD-2-04, and Section 210 F of the Traffic Regulation 1962, Queensland.

The tests, calibrations or measurements covered by this document are traceable to Australian National Standards of measurement. This document shall not be reproduced, except in full.



Reference Number – 184598

## CALIBRATION REPORT

### Photographic Detection Device

For Customer: Queensland Police Service

Device: GATSO Digital Speed Camera, Model: RS-GS 2 (As per Sch 10 TR)

Serial Number: 0538

Test Method: Laboratory Procedure SD-2-04 and Manufacturer's requirements

Date and Time of Test: 15/03/2024 13:26

#### Reference Equipment and Laboratory Conditions:

Laboratory Reference Frequency Standard S/N: 15010197

Laboratory temperature during testing was within  $24^{\circ}\text{C} \pm 4^{\circ}\text{C}$ .

#### Test Results:

The device was found to produce results within the Manufacturer's specified speed accuracy during laboratory testing of  $\pm 1$  km/h up to 100 km/h and  $\pm 1\%$  above 100 km/h.

*A signature below signifies that the Signatory has reviewed the associated test sheet to ensure it is complete and all results entered are within limits and the device's speed computing unit was sealed using tamper evident adhesive seals.*

**This Report complies with the requirements of Section 210 F of the *Traffic Regulation 1962, Queensland.***

Signature:

Blake Moreton

Digitally signed by Blake Moreton  
Date: 2024.03.18 10:03:48  
+10'00'

Name of Signatory: Blake Moreton

Report issued on: 18/03/2024

The uncertainty of measurement for the values in this report is  $\pm 1$  km/h. The estimate of uncertainty is based on 95% confidence level with a coverage factor of  $k = 2$ .

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OFFICIAL

**Queensland Police Service  
Road Safety Camera Office**

40 Tank Street  
BRISBANE QLD 4001

**Gatso RS-GS2 (Fixed Speed Camera) Validation Test Report  
Start of Deployment Validation**

<b>Site Number:</b> 3800104	<b>Test Date:</b> 21/03/2024
<b>Location:</b> Pacific Motorway, Loganholme	<b>Test Time:</b> 01:20

Device	Serial Number	Calibration Date	Operator
Photographic Detection Device (PDD)format	Decision Unit: 0538U	15/03/2024	Johnson
	Radar: 0538A	15/03/2024	
	Camera: 0239C	N/A	
Validation Radar/LIDAR	34429	13/02/2024	Johnson

Validation Test	PDD – Speed	Radar/LIDAR - Speed
1	99	98
2	97	96
3	98	96

*Speed validation testing was completed with a secondary independent traceable speed measurement device. On completion of this validation testing, the Photographic Detection Device was found to be producing accurate result.*

**Report Date:** 21/03/2024

**Report Date:** 21/03/2024

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: Mark Reardon

Print Name: Nicholas Johnson