

# RADAR CALIBRATION CERTIFICATE

No: 11589

Customer LEICESTERSHIRE County Council

Issue Date: 04.11.11  
(valid for 12 months from date shown)

Radar Model: GENESIS  
(manufacturer Decatur Electronics)

Serial No: 08854

## Operating Frequency K-Band 24.20Ghz

Functional & Visual Inspection	Pass	Fail	Comment
Rechargeable batteries if cordless	✓	( )	.....
Power plug condition (if fitted)	✓	( )	.....
Power cable (if fitted)	✓	( )	.....
Power-up sequence	✓	( )	.....
Trigger operation	✓	( )	.....
Audio Doppler function	✓	( )	.....
Display back light	✓	( )	.....
33 mph tuning fork test	✓	( )	.....
Audio display test button	✓	( )	.....
Radome & housing check	✓	( )	.....
6.2v low voltage shut down	✓	( )	.....

### Internal Tests

RFI indication (induced)	✓	( )	.....
Internal circuitry (visual exam. & check)	✓	( )	.....
Gunn supply within +/- 50mV	✓	( )	.....
Gunn supply regulation +/- 20mV(11-16V)	✓	( )	.....
Gunn supply noise level within 5mV P-P	✓	( )	.....
Schottky bias 250mV +/- 50mV	✓	( )	.....
Schottky noise level* <3.5V P-P	✓	( )	.....
<b>Transmission frequency +/- 25MHz</b>	✓	( )	.....

(\* At final stage of amplification)

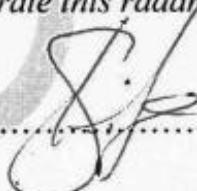
### Simulated Speeds Relative to Induced Doppler Frequency

At 1800Hz = 25mph	✓	( )	.....
At 2880Hz = 40mph	✓	( )	.....
At 3600Hz = 50mph	✓	( )	.....
At 5760Hz = 80mph	✓	( )	.....
At 7200Hz = 100mph	✓	( )	.....

Replacement Parts Used Yes ( ) No (✓)

- Equipment used to calibrate this radar are certified annually and are traceable to UKAS Standards

Technician's Signature.....



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**This radar is fully compliant with the European Directive 1999/5/EC which is a mandatory requirement for all radar equipment being operated within the United Kingdom. To comply with this directive, this equipment has been certified to EN301 489-3 V1.4.1(EMC) EN300 440-1V1.3.1(2001-09)( Radio Testing) and EN60950-1:2001(LVD Safety Tests)**