

Streamlined Forensic Reporting (SFR)		MG22C (SFR2)							
EXPERT RESPONSE									
DIG 200 - CELL SITE ANALYSIS FOR GEOLOCATION									
Relates to (person):	Click or tap here to enter text.	Crime/Occ. No:	Click or tap here to enter text.						
Location:	Click or tap here to enter text.	Force Forensic Ref:	Click or tap here to enter text.						
Date of Offence/Incident:	Click or tap here to enter text.	Forensic Provider Ref:	Click or tap here to enter text.						
Other Ref 1:	Click or tap here to enter text.	Other Ref 2:	Click or tap here to enter text.						
Statement provided by:	Click or tap here to enter text.	Organisation:	Click or tap here to enter text.						
Date of Statement:	Click or tap to enter a date.	Annexes Included with this Statement:	Choose from List						
1.	Prosecution position: The device using xxxxxxxx was at 1 New Road, Newtown between 15:47 and on 01/01/01. Defence Position: The device using xxxxxxxx was at 2 Old Street, Newtown between 15:47 and 16:34 Relevant Call Data generated by xxxx during this period: <table border="1"> <thead> <tr> <th>Date/Time</th> <th>Type</th> <th>(A) Last Cell ID</th> </tr> </thead> <tbody> <tr> <td>01/01/01 15:47:25-16:34:13</td> <td>Data</td> <td>7420685</td> </tr> </tbody> </table> Interpretation/Opinion The table above shows that at some point between 15:47:25 and 16:34:13 the device using xxxxxx use ID 7420685 for a data session. Figure 1 in the maps section, shows that cell ID 7420685 is situated off the M6 toll road, Newtown. Figure also shows that I measured service of Cell ID 7420685 in an area which included 1 New Road, Newtown. I did not detect service at 1 Old Street, Newtown. The closest detection of service that I did survey was 10 metres away from the location As a result of the above I would expect the call data records of xxxxxx if the device using this phone number was located and used at 1 New Road, Newtown at some point between 15:47 and 16:34 on 01/01/01. I would also expect the call data records of xxxxxx if the device using this number was not located and used at 1 New Road, Newtown, but located and used elsewhere in the service area of the cell site used during this period, provided service. I would not expect the call data records of xxxxxx if the device using this number was not located and used at 1 Old Street, Newtown at any point between 15:47 and 16:34 on 01/01/01.			Date/Time	Type	(A) Last Cell ID	01/01/01 15:47:25-16:34:13	Data	7420685
Date/Time	Type	(A) Last Cell ID							
01/01/01 15:47:25-16:34:13	Data	7420685							

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Evidence Type Supporting / Technical Information

- Surveys have been performed using xxxxxxxxxx surveying equipment using software number 1.1.1 on 01/01/01
- Data has been normalised and analysed using xxxxxx version 1.1

For further technical information on cell site analysis see [FCN-DDD-GUI-0002 Supplementary Technical Notes for Cell Site Analysis for Geolocation v1.0](#)

Status of Compliance with the Code of Practice published by the Statutory Forensic Science Regulator

(Insert appropriate declaration – Refer to FSR Guidance: Declarations of Compliance and Non-Compliance with the Code of Practice FSR-GUI-0001)

Qualifications and Experience

1. Expert's Qualifications & Training – Mr Smith

1.1. **Current Role:** I am currently employed by Sandford Police as a Cell Site specialist. I am also chair of the National Radio Frequency Development User Group.

1.2. **Experience & Previous Work History:** I have 8 years' experience working with analysis of the same for serious and complex investigations, along with conducting Wifi RF surveys and interpreting the data, before preparing reports for court.

I have presented geolocation analysis evidence in court.

1.3. **RF Training:** I have completed the following radio frequency-based training courses:

Radio Frequency Propagation Surveyor Practitioners course – First Forensics

Radio Frequency Propagation Surveyor and Assessment course – First Forensics

Excel for telecommunications analysis – First Forensics

Radio Frequency Propagation Surveyor introduction to 5G – First Forensics

Wifi theory and practitioners' course – College of Policing

Wifi advanced theory and data analysis course – College of Policing

Interpreting GPRS and Data events – College of Policing

Radio Frequency Propagation Surveyor Theory course – First Forensics

Introduction to 5G millimetre waves – Wray Castle

Radio Frequency Propagation Surveying Standard Operating Procedures – College of Policing

Diploma in telecommunications with specialism in radio engineering – Wray Castle

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2nd Generation Mobile Networks – Wray Castle

3rd Generation Mobile Networks – Wray Castle

4th Generation Mobile Networks – Wray Castle

5th Generation Mobile Networks – Wray Castle

Principles of Mobile Cellular Networks – Wray Castle

4 and 5G air interface course – Wray Castle

5G Cell planning – Wray Castle

- 1.4. **Communications Data Training:** I have completed the following communication data training course:

GPRS and data interpretation – College of Policing.

Data analysis – College of Policing.

- 1.5. **Other training:**

I have received training from the Federal Bureau of Investigation (FBI) Cellular Analysis and Survey Team (CAST) in Washington DC for data analysis, communication data and expert evidence presentation.

I have received training in expert witness awareness, presentation and court room skills from the Tactical Solutions Group (TSG).

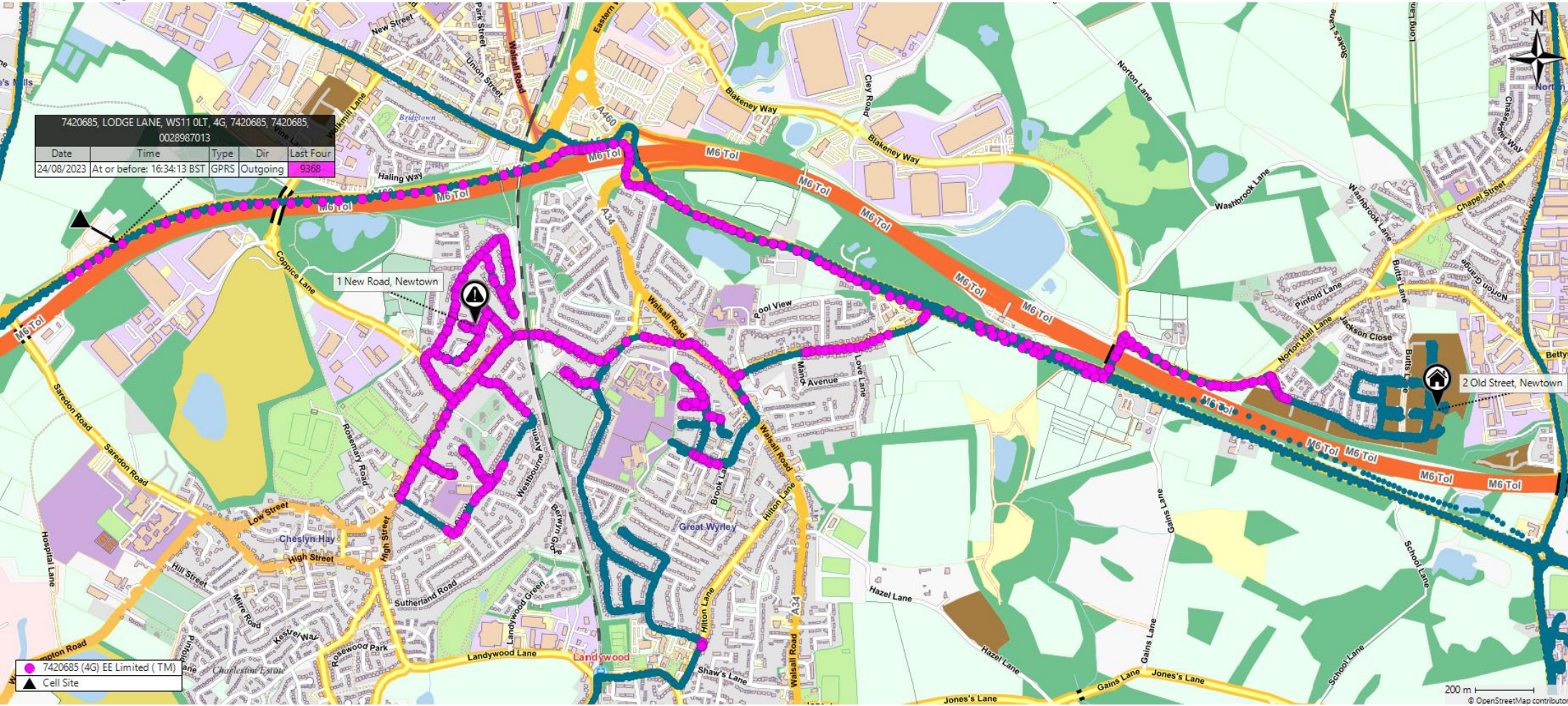
I have received root cause analysis training through the forensic quality team within Sandford Police.

Criminal Procedure Rules, r 16. 2; Criminal Justice Act 1967, s. 9

Statement of: Click or tap here to enter text.

This statement (consisting of x pages signed by me) is true to the best of my knowledge and belief and I make it knowing that, if it is tendered in evidence, I shall be liable to prosecution if I have wilfully stated in it anything which I know to be false, or do not believe to be true. Where this statement contains expert opinion evidence, I believe that its contents also reflect my obligations to include any relevant matter required by Crim.PR 19.4. I understand and expect that Crim.PR 19.6 will apply, should another party disagree with my conclusions.

Figure 1: Map showing where Cell ID 7420685 served on the survey route in relation to 1 New Road and 2 Old Street, Newtown



Signature:

Date: