

Case 02086967

Description of Investigation

15/10/2025 - I arrived at site and set up the Fieldfox running from the GSM antenna through a 800MHz filter and amplifier. I drove the area surrounding the site where the interference spike could be seen. The spectrum could be described as a spike with sidebands which rises and drifts across in frequency and then falls from right to left. The interference signal was noted to be spurious, coming on for a couple seconds then going off repeatedly. The signal was also noted to disappear and cease completely briefly at times.

The signal was received the strongest from the front [Redacted Location], nearby the site.

Screenshot attached.

23/10/2025 I arrived at site with [Ofcom Engineer]. We set up the Fieldfox running from the GSM antenna through a 800MHz filter and amp.

The same interference signal could be seen as the previous visit, sporadically coming on and off,

We traced the signal to be coming from [Redacted Location],

05/11/2025 We entered [Redacted Location], and met with [Name removed]. We were given access to the roof of the building where the signal could be seen strongest, pointing towards [Redacted Location].

We then approached [Redacted Location], where the signal could be seen increasing in strength. SS taken and attached.

We entered and met with [Name removed] the [Position removed] manager who provided us a business card and asked for it in writing before we could have access.

Email drafted and sent to [Redacted Participant], email attached to case [email address redacted].

Multiple emails sent corresponding with [Redacted Location], and their [Redacted department] to attempt to gain access.

19/11/2025 [Reporting Stakeholder - Network Provider] report from DEO (Ofcom duty engineering officer) confirms last report of interference was 14/11/2025.

Interference ceased during investigation, NFA (no Further action).

FieldFox trace of interference – Location redacted

Keysight Technologies: N9915A, SN: MY56072605

OFCOM



Wed, 05 Nov 2025 11:41:52 AM

GPS

[Redacted]

[Redacted]

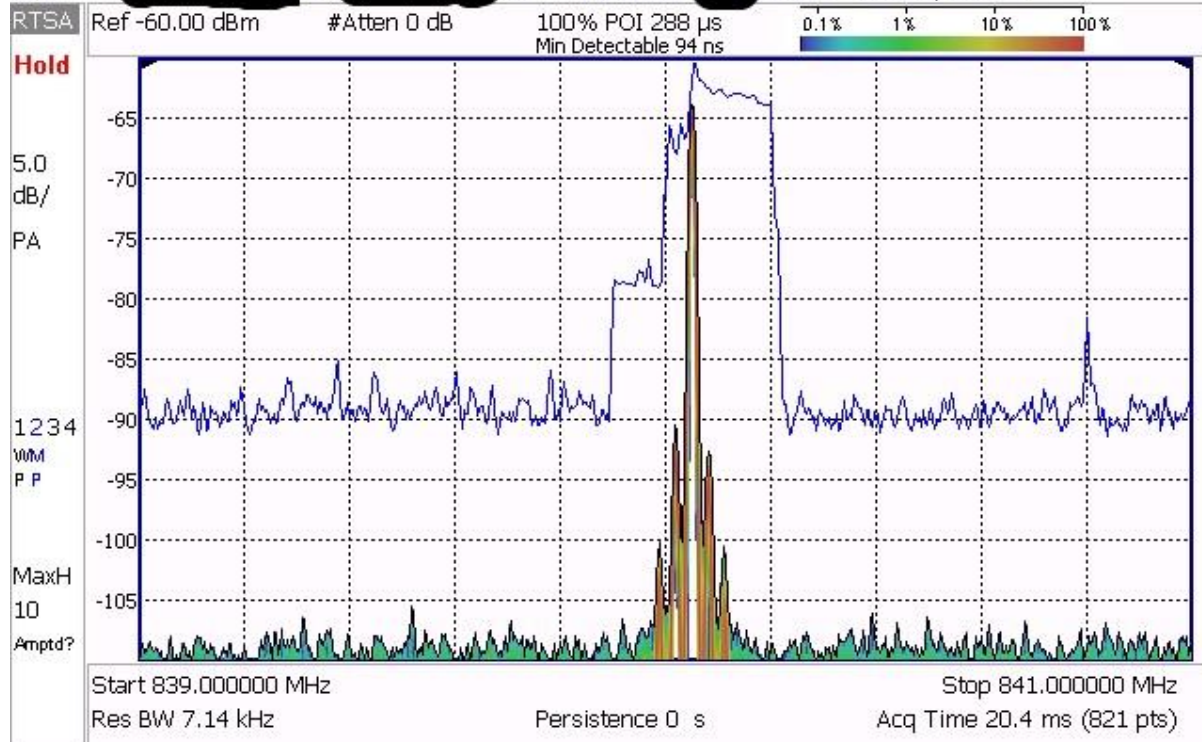
W

Elevation:

[Redacted]

Meters

Locked, Ant: OK



Case 02112802

Description of Investigation

28/11/2025: [Stakeholder] RFI to MNO [Redacted Network Provider] mast at High Wycombe [Redacted postcode]

10/12/2025: I carried out a 1st site visit here at the location. The monopole mast was identified and confirmed with the site ID on the cabinet. Using a HE300 antenna combined with a suitable filter and antenna I went about monitoring the affected frequency 839-841MHz as per the report. Nil interference was seen in any direction. The report claims that all sectors are affected. I then walked all three sectors with my set-up and saw nothing apart from normal uplink traffic.

11/12/2025: I have e-mailed [Stakeholder] and they have confirmed that the interference is intermittent in nature. I have asked that they facilitate a follow up visit when I request live data.

12/01/2026: [Ofcom Engineer] and I arrived back at the site. Using the same set up as before we could see the intermittent RFI. A narrow band carrier which comes on for seconds and ceases for minutes. We were able to DF the signal to be coming from [Redacted Location]. Inside we speak to the GM who tells us that a formal request is needed to enter. Details are exchanged.

20/01/2026: [Ofcom Engineer] and I return to the facility and are granted access. The interference is still intermittent but less so now than before. After a few occurrences the signal clears and we are left waiting for over an hour before we decide to leave site. The signal appears to have completely gone now.

Assessing the impact statement provided by the MNO (Mobile Network Operator) shows 40 people drop call rate which is 3% in total. This is a very low impact and I will be asking the MNO to provide strong evidence that supports the resources needed to investigate this further.

21/01/2026: e-mail to [Stakeholder] asking to provide a revised impact statement before we close the case. I do not feel that this warrants more work, but I have given [Stakeholder] time to respond.

26/01/2026: No further responses from [Stakeholder] despite the opportunity. I have provided my observations to [Stakeholder] and asked for a revised impact statement and nothing received. Suggest we close the case now – NFA

28/01/2026 – Case closed.

Fieldfox Trace of Interference – Location redacted.

Keysight Technologies: N9915A, SN: MY56072597

[EMF Analyzer] Ver 1.1.0

76% Mon, 12 Jan 2026 11:42:49 AM

GPS BNG

Elevation: Locked, Ant: OK

RTSA Ref -56.30 dBm #Atten 0 dB 100% POI 288 μ s Min Detectable 94 ns M1: 840.00000 MHz -64.05 dBm

