

EE Ltd - Conformance to Regulation relating to Mobile Site Deployment in the context of possible interference to Air Traffic Control Radar - July 2021.

Guidance Information for Planners & Local Planning Authorities.

It is a legal requirement under EE Ltd Wireless & Telegraphy Act licences, issued by the Regulator Ofcom, not to cause undue radio interference to neighbour radio systems.

In the case of Air Traffic Control Radars, at or close to Airports, which operate in radio spectrum close to the 2.6GHz & 3.5GHz mobile operator bands Ofcom has issued specific guidance & instruction as to the process to check and confirm that site deployment will not cause material harm to Air Traffic Control Systems.

The Ofcom guidance & instruction requires that EE Ltd when using 2.6GHz & 3.5GHz radio spectrum undertakes specific calculations based on models & algorithms that Ofcom have defined. These calculations indicate whether the EE Ltd radio site, if deployed, would breach safe interference levels at Air Traffic Radar Sites. Providing the site passes the interference calculations as being below the maximum allowed thresholds the site may be safely deployed.

The development of the Ofcom guidance and instruction was undertaken in consultation with:-

Civil Aviation Authority-CAA.

National Air Traffic Agency-NATS.

Ministry of Defence-MOD.

Mobile Operators.

Airport Operators.

All the above recognise and agree that the above process is sufficient to allow the safe deployment of Mobile Operator Radio Sites in the context of interference into Air Traffic Control Radar.

EE Ltd confirm that they follow fully the Ofcom Guidance for all applicable radio sites and only deploy radio sites that have passed the specified coordination process and calculations, the proposed installation to be deployed at this site is fully compliant.

Further detail of the Ofcom process may be found in the Annex below.

Annex - Ofcom Guidance

EE Ltd follows all relevant Ofcom guidance in coordinating 2.6GHz & 3.5GHz radio sites with Airport radar systems as contained in:-



2600 MHz Radar
coordination procedu



Radar
Co-ordination.pdf

All radio systems planned that may impact on the operation of Air Traffic follow the coordination flow pattern below:-.

Flowchart illustrating coordination procedures

