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UK 4G Spectrum Refarming

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Spectrum Refarming

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In common with networks around the world, UK CSPs have been engaged in a process of refarming 2G and 3G spectrum to be used by 4G.

In most cases, the objective seems to be to reduce the available 2G spectrum to an operational minimum; enough to provide a 2G coverage safety net, while at the same time paving the way for 3G to eventually be retired completely. There is also a degree of preparation for 5G going on.

This technical briefing describes the frequency allocations in the most affected bands only – 900MHz (Band 8), 1800MHz (Band 3) and 2100MHz (Band 1).

The majority of information contained in this document has been gained via direct RF survey observation, some of the optional channels have been calculated rather than observed, so the actual EARFCNs may differ slightly. Some information provided by Peter Clarke at www.pedroc.co.uk.

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Band 8 – 900MHz

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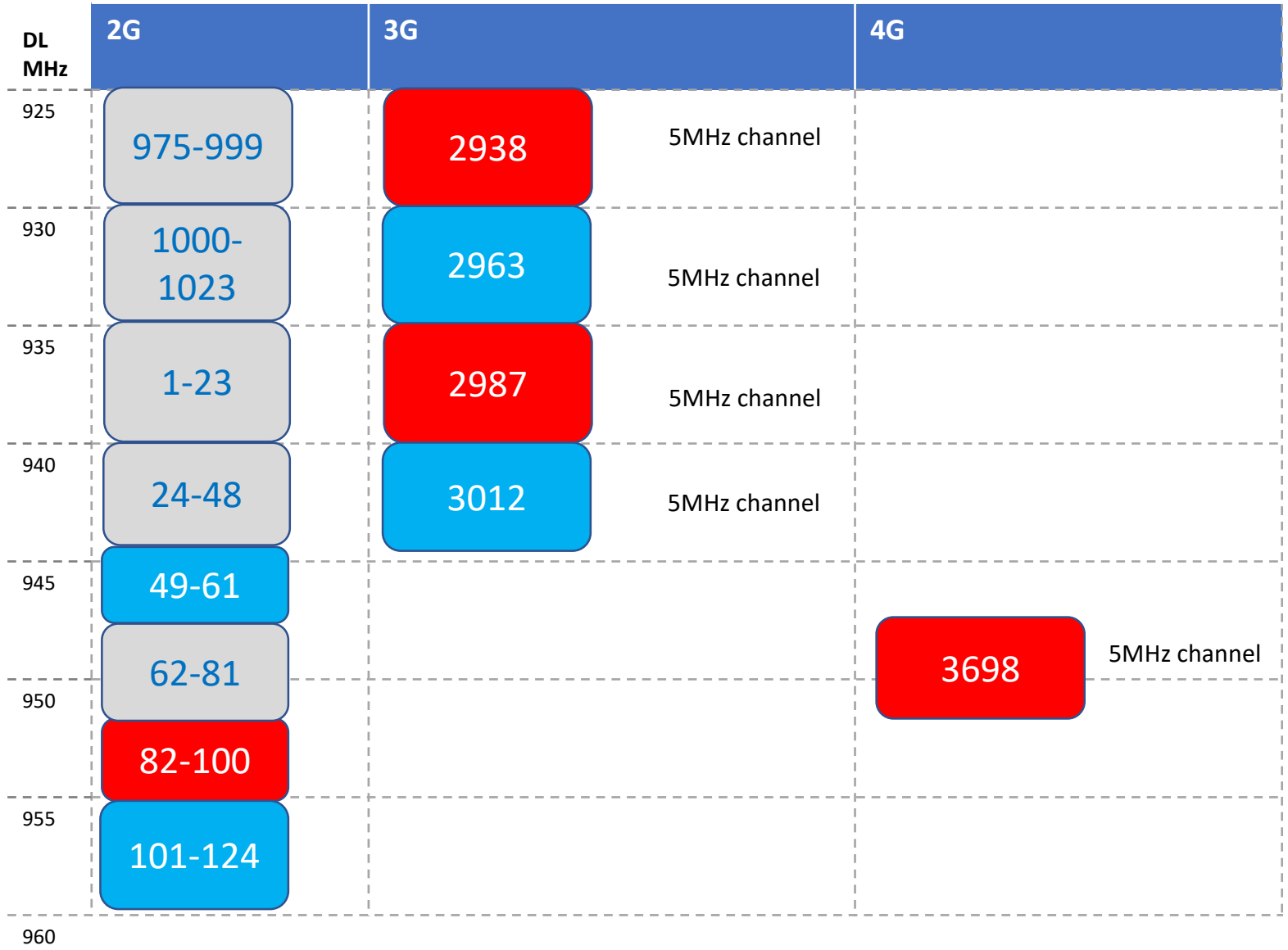
123

Channel number



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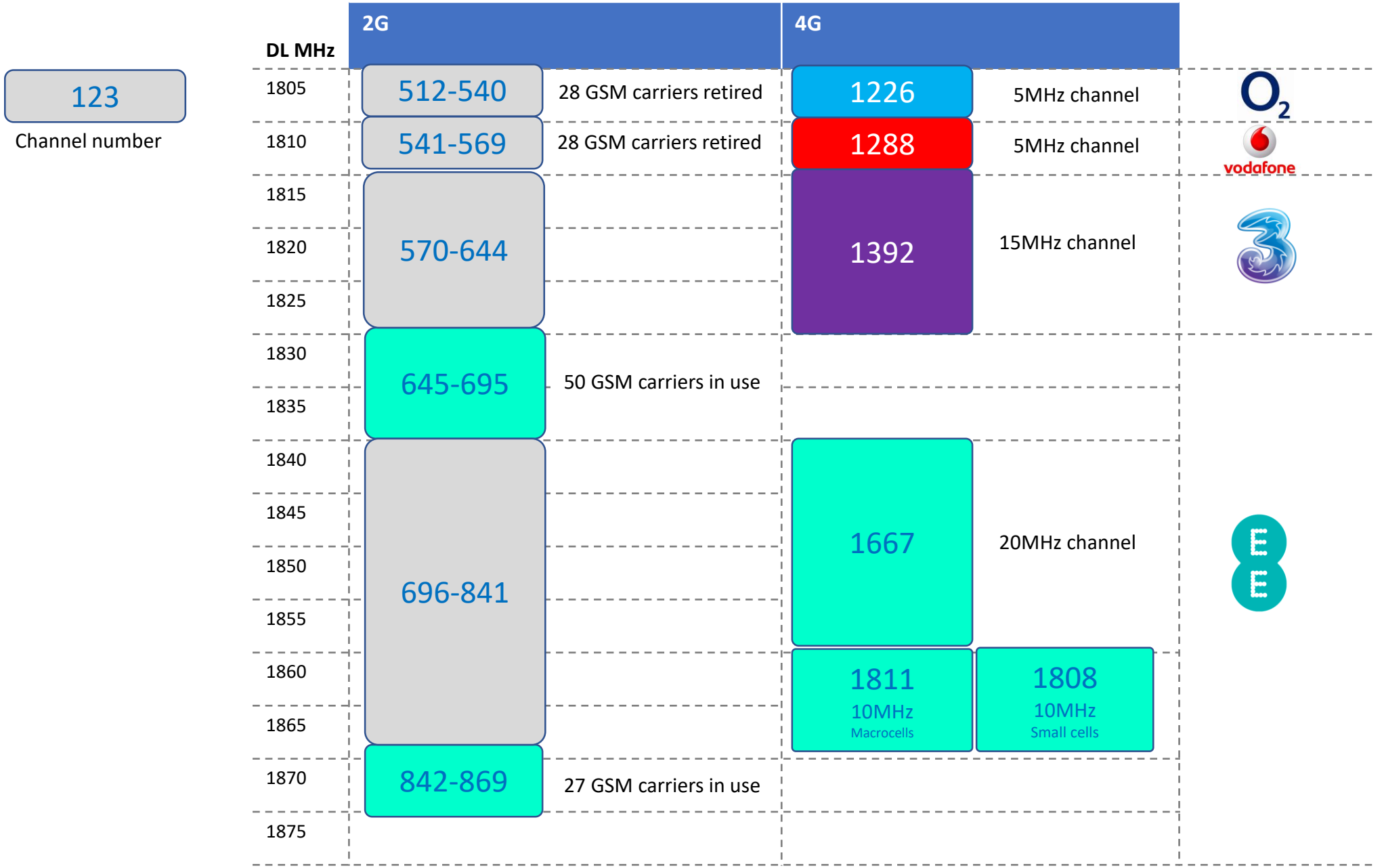
Band 3 – 1800MHz



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Band 1 – 2100MHz

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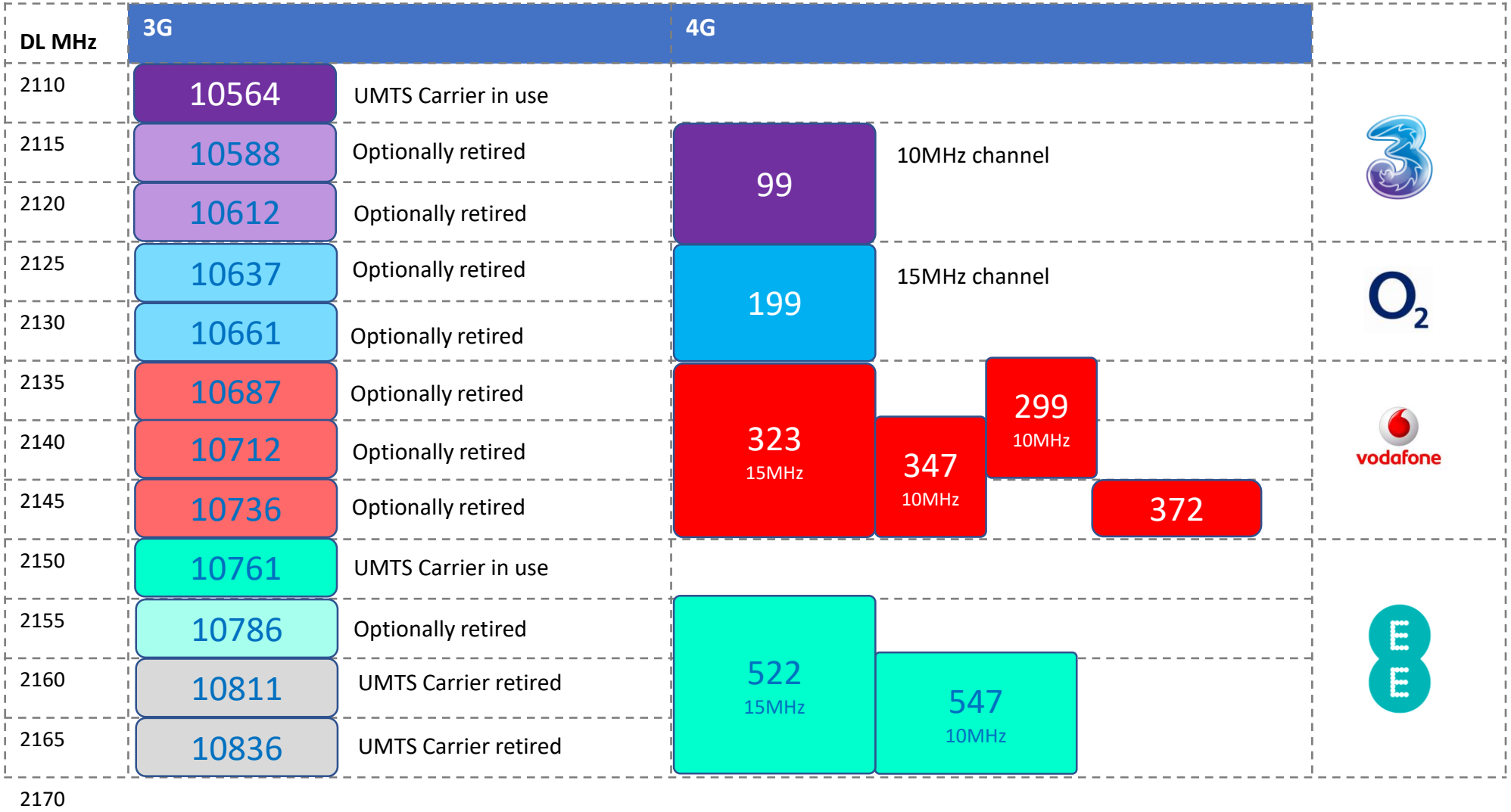

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Any questions or comments?

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