

Using multiple UHF microphones on a UK Wireless Microphone Licence

Up to 14 UHF frequencies are available for use under a UK Wireless Microphone Licence but it is unlikely that they could all be successfully operated together due to mutual interaction.

The following groups of frequencies may be suitable for use together when using commonly available equipment. The more microphones used in a band the higher the risk of interaction. Compatibility is also highly dependent on the technical characteristics of the equipment therefore the groups we suggest should be used as a guide only.

For 6 microphones:

= **Low capacity & Low risk***

Option 1	854.900	855.275	855.900	857.950	860.400	861.750
Option 2	854.900	855.900	856.175	857.950	860.400	861.200
Option 3	854.900	855.900	856.175	857.950	861.200	861.750
Option 4	854.900	855.900	857.950	860.400	861.200	861.750

For 7 microphones:

= **Low/Medium capacity & Low risk***

Option 1	854.900	855.275	855.900	858.650	860.400	860.900	861.750
Option 2	854.900	855.275	856.175	858.650	860.400	860.900	861.550
Option 3	854.900	855.900	856.175	856.575	858.650	860.900	861.750
Option 4	854.900	855.900	856.575	857.950	860.400	861.200	861.550

For 8 microphones:

= **Medium capacity & Medium Risk***

Option 1	854.900	855.275	855.900	856.175	857.950	860.400	861.200	861.750
Option 2	855.275	855.900	857.950	858.200	858.650	860.400	861.200	861.750
Option 3	855.275	856.175	856.575	857.625	857.950	860.400	860.900	861.550
Option 4	855.275	856.175	856.575	857.625	858.200	860.400	860.900	861.550

For 9 microphones:

= **High capacity & Medium Risk***

Option 1	854.900	855.275	855.900	856.175	858.200	858.650	860.400	861.200	861.750
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= **High capacity & Medium/High Risk***

Option 1	854.900	855.275	855.900	856.175	858.200	858.650	860.400	861.200	861.750
Option 2	854.900	855.275	855.900	856.575	857.625	857.950	858.200	860.400	861.200
Option 3	854.900	855.275	855.900	856.575	857.625	860.400	860.900	861.200	861.750
Option 4	854.900	856.175	856.575	857.950	858.200	860.400	860.900	861.200	861.550

For 10 microphones and above:

= **High capacity & High Risk***

There are no 10 channel groups that we would recommend. When large numbers of wireless microphones are required, we recommend the use of TV band spectrum (470 – 854MHz) where much greater frequency flexibility is available and robust groups can be deployed.

*Technical details regarding third-order intermodulation product carriers can be obtained on request.