

802.11ac wave 2

MU-MIMO 5G 160 MHz

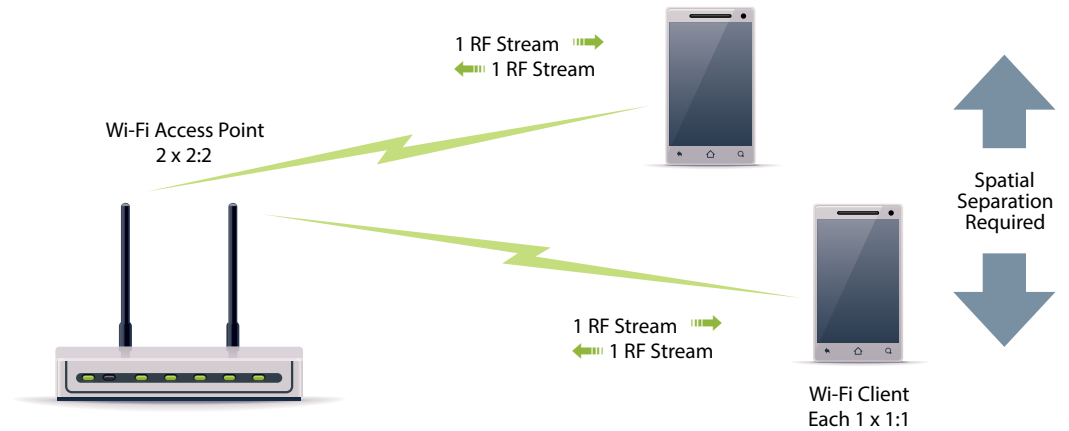
Wave 2 of 11ac offers two mechanisms not found in Wave 1 equipment: MU-MIMO and 160 MHz channels.

These are of debatable value for an enterprise network. 160 MHz channels eat up a large portion of the 5 GHz spectrum, in fact, in most regulatory domains only 2 to 3 non-overlapping channels would be available.

In today's dense environment it's far better to use smaller channel widths with more APs to handle capacity than try to plan with a small number of wide channels.

MU-MIMO allows an AP to send traffic in parallel to multiple clients. This can gain more efficient use of the spectrum (rather than sending packets serially), but traffic patterns to the clients plus the nature of the RF channel needs to align correctly for the AP to be able to leverage this technology. MU-MIMO will not be a panacea for a poor design or for oversubscribed APs.

MULTI-USER MULTIPLE INPUT/OUTPUT (MU-MIMO)



802.11ac CHANNEL PLAN

