Mesh Mode Theory of Operation for DFS

To whom it may concern:

All mesh deployments have a Root AP that is connected to the network via Ethernet. When any Mesh AP detects a radar pulse, it informs all other Mesh APs about the DFS event using Extreme proprietary message, and after a brief delay compliant with the DFS standard, shuts down service on that channel for the non-occupancy period. Upon receiving the message, the other Mesh AP's treat it exactly as if it has detected the radar signal itself and the process propagates down the Mesh Tree. The Root AP of the Mesh will then perform an auto channel selection to select a random channel from the channel list excluding the channel that there was a radar signal detected on. The other Mesh APs will perform a receive scan to find the channel established by the Root AP. Then the new Mesh network is established on this new channel. If the new channel selected is a DFS channel, each Mesh AP on the channel will perform its individual DFS wait time.

If you have any questions, or if you require further explanation, please do not hesitate to contact us.
Kind regards,

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