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Sunnyvale CA, USA
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Q410-US01 and Q710-US00 LTE AP: Differences and Similarities

This document is intended to note the differences and similarities between the two Ruckus Wireless, Inc. products.

Summary:

Both products are single radio Category A CBSD, B48 Access Points with different performance but identical mode of operation.

Hardware:

Model: Q410 (Part # Q410-US01) is a compact single radio design while Model Q710 (Part # Q710-US00) is a larger, dual-radio device but only one fixed (user non-selectable, manufacturer locked) radio is operational.
Both products use CPU from same family (QualComm FSM99xx) - Q410 uses QualComm FSM9910 and Q710 is based on QualComm FSM9955. Both share same Radio Transceiver and GPS Receiver.
Antenna design is different (to accommodate different size products) and their throughput performance specs are different (with Q410 being a lower-end device).   Both support identical LTE Release (10), frequency and duplexing support, bandwidth, diversity, max transmit power, OOB emission, number of Tx chains, and number of spatial layers per radio. Both products meet CFR 47 FCC Part 96 Rules and Q710 has been already FCC certified – FCC ID: S9GQ710US00 (issued 09/06/2018)

Software:

Both products run identical software and networking functionalities with same SAS compliance algorithms, and other capabilities.
Box-level behavior of the two devices (except performance) is identical per WiNNForum (WINNF-TS-0122 V1.0.1)

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