



DFS Expedite Request

Applicant: Xirrus, Inc.

FCC ID: SK6-XR2425H

Previously Granted: SK6XI-N300 in the XR4000 host (4/8 radio host system), XR6000, XR1000 and XR2000 systems	New device: SK6-XR2425H which uses four modified SK6XI-N300 modules in an outdoor hosts system.
Technology: 802.11abgn, 2x2 radio, supports 20 and 40 MHz bandwidths	Unchanged
Bandwidths: 20 and 40MHz	Unchanged
Antenna: Antenna structure is integral to the module	<p>New higher gain external antennas</p> <p>Original antennas: 4dBi internal antennas</p> <p>New antennas: There are two antenna options. 1) Air802, 5dBi omni 2) Eahison EHS1GA202A, 11.2dBi panel (including feed line loss)</p>
Differences in DFS functioning, circuitry, software:	<p>The original module was modified to allow for external antenna connections. The integrated antenna was removed and u.fl connectors were added to allow connections to the external antennas.</p> <p><i>The radio module driver and radio function software has not changed. The DFS software is unchanged.</i></p>
Differences between products:	<p><i>The CPU board is exactly the same CPU used on the XR2000. The radio boards were modified as explained above to allow connection to a external antennas. The enclosure was completely redesigned and made from metal to survive in an outdoor environment.</i></p>
Original testing performed by Elliott Laboratories	New device tested by National Technical Systems – Silicon Valley (formally Elliott Laboratories)