



NTS Silicon Valley  
www.nts.com

41089 Boyce Road  
Fremont, CA 94538

510-578-3500 Phone  
510-440-9525 Fax

DFS Expedite Request

Applicant: Xirrus

FCC ID: SK6XI-N450

Previously Granted: SK6XI-N450 in the XR4000 host (4/8 radio host system)	New device: SK6XI-N450 in the XR1000 host (2 radio host) and XR2000 (4 radio host)
Technology: 802.11abgn, 3x3 radio, supports 20 and 40 MHz bandwidths	Unchanged
Bandwidths: 20 and 40MHz	Unchanged
Antenna: Antenna structure is integral to the module	Unchanged
Differences in DFS functioning, circuitry, software:	<p>The original module has been installed into two new host systems (XR1000 and XR2000) that can support 2 (XR1000) or 2 or 4 radio modules (XR2000). The hardware of the module has not changed.</p> <p>The radio module driver and radio function software has not changed. The DFS software is unchanged.</p> <p>Note – there is no physical change to the module to accommodate use in the various host systems.</p>
Differences between products:	<p>Maximum output power, modulation, receiver circuitry is unchanged.</p> <p>The main processor of the host system was changed to a 2 core, Cavium 5020 from 4 core, Cavium 5230 (used in the XR4000). The system hosts less radios so the additional CPU processing power is not required</p>
Original testing performed by Elliott Labs	New device tested by Elliott labs, in accordance proposal documented in FCC KDB 301059

Sincerely,

Mark E. Hill  
Staff Engineer, NTS Silicon Valley