

Sprint Nextel BRS-EBS Licenses and Leases

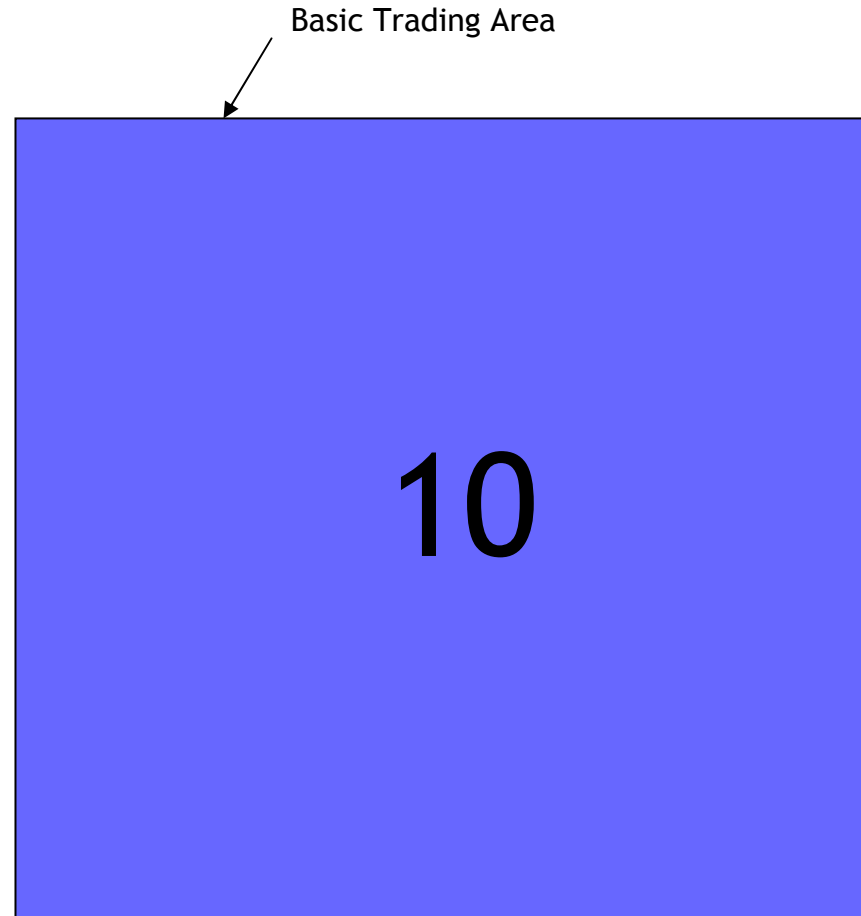
March 1, 2005



NEXTEL

Standard Methodology in Other Bands

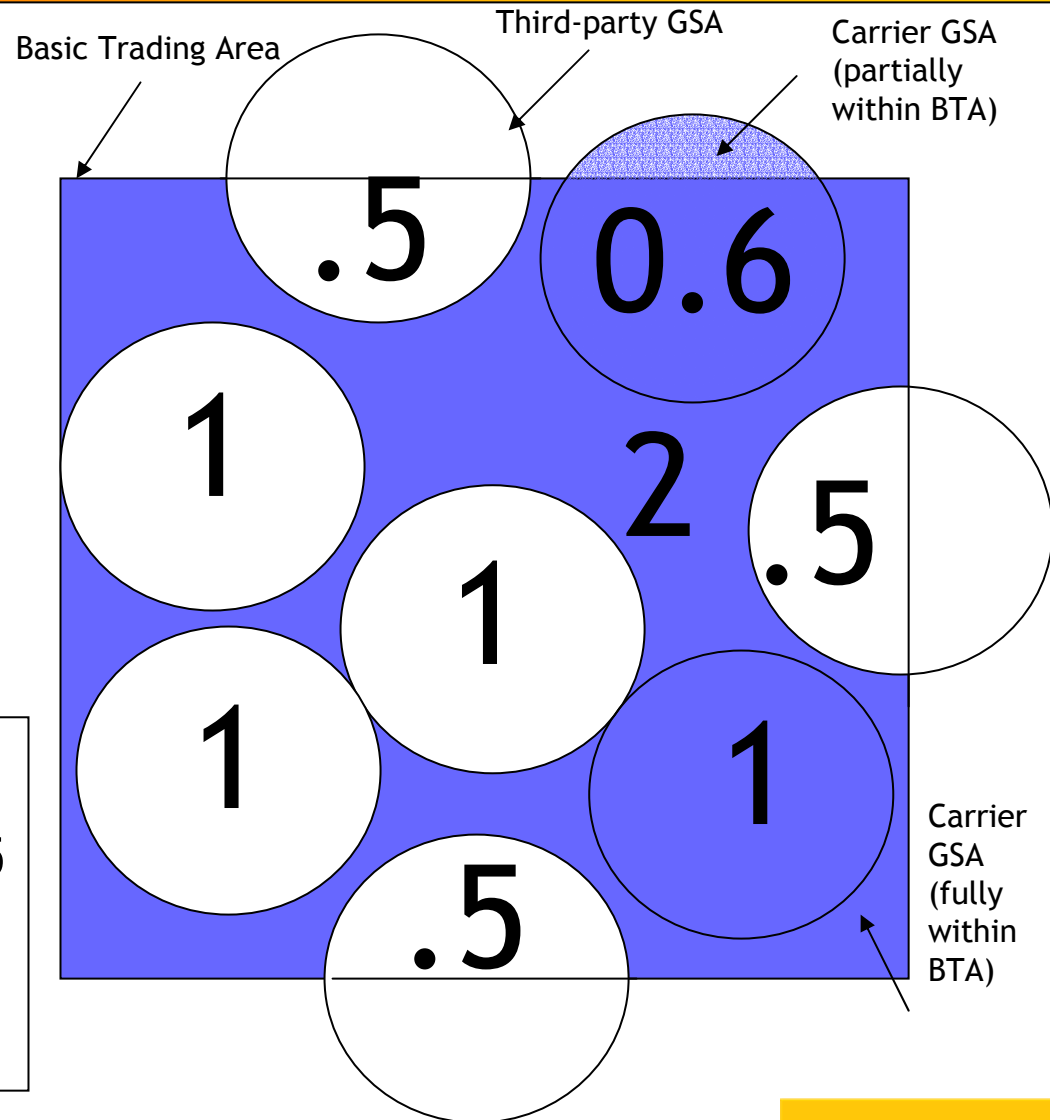
- As a result of the licensing structure, quantifying BRS-EBS differs from quantifying spectrum in other bands
- To arrive at MHz-pops, multiply the total MHz by the total population in the geographic area
- For example, if the total population in the BTA (shown in blue) were 10 and the licensee holds 5 MHz of spectrum in the BTA, the total MHz-pops is 10×5 , or 50 MHz-pops



BRS-EBS Methodology (1 of 3)

- To arrive at MHz-pops in the BRS-EBS band requires additional steps.
- First, the portions of the BTA licensed or leased to third parties (white) must be excluded. The licensee cannot lawfully operate in these geographic areas.

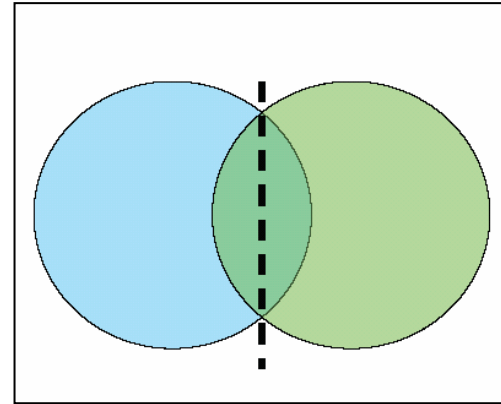
Total POPS within BTA: 8.1
Third-party POPS within BTA: 4.5
Carrier's POPS in BTA (blue): 3.6
Total POPS outside BTA: 1.9



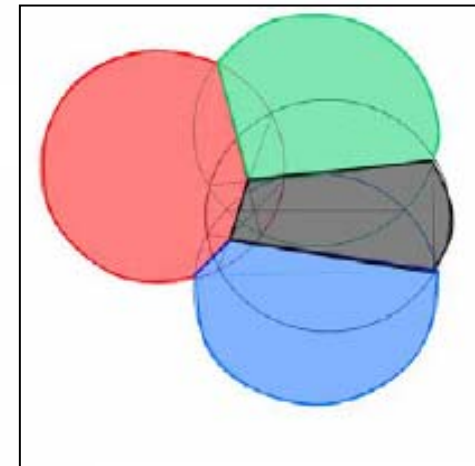
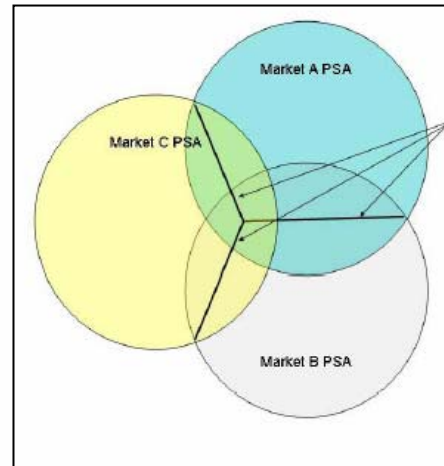
BRS-EBS Methodology (2 of 3)

- Second, the analysis must account for overlapping GSAs to define the precise licensed or leased territory of every relevant BRS and EBS licensee
- By using data from the Universal Licensing System, Sprint and Nextel identify every MHz-pop in the nation that could be theoretically served by a 2.5 GHz license or lease held by the combined company.

Easy Case:

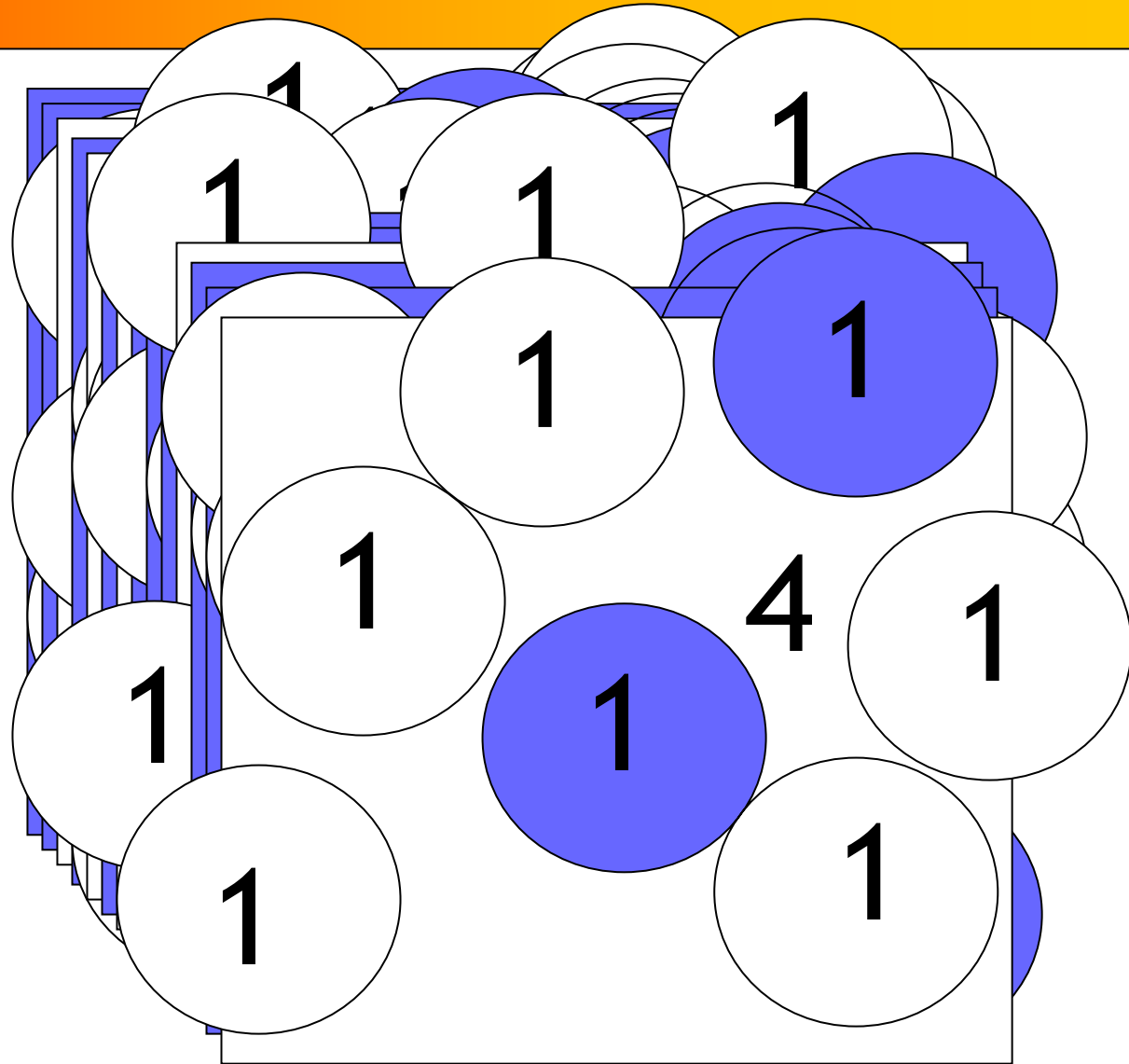


More Difficult Cases:



BRS-EBS Methodology (3 of 3)

- Third, because the coverage area for each of the 33 channels differs due to the legacy site-by-site regime, each of the thirty-three channels within the BRS-EBS spectrum must be separately accounted for.
- There are 16,269 separate channel-BTA combinations ($493 \times 33 = 16,269$), which required more than 45,000 separate calculations.



BRS F1 Analysis Tampa BTA

“Licensed Nextel”
WLW911
(Transmit located
in Ocala, FL)
(89054 Pops)

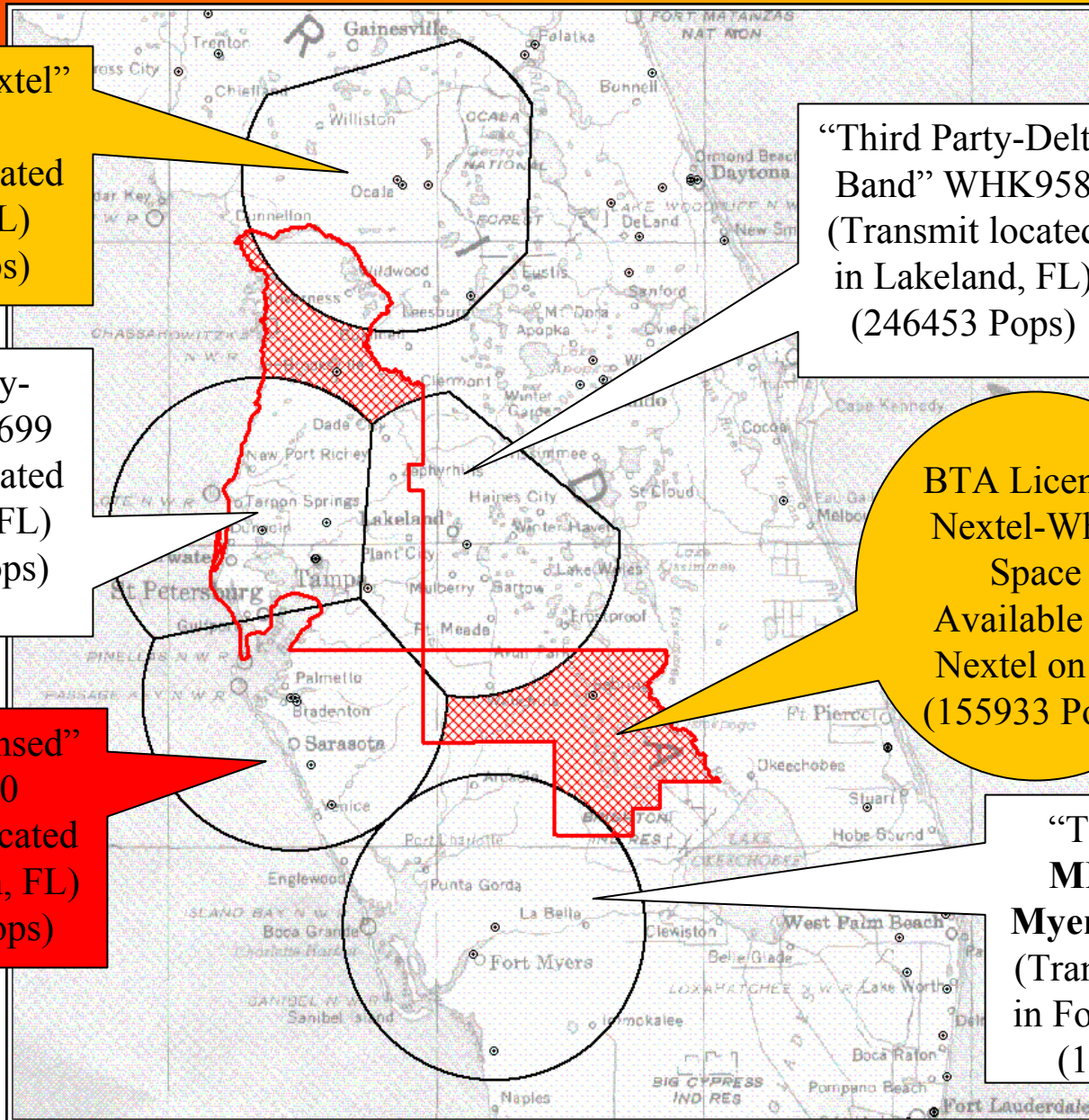
“Third Party-
Mars” WHT699
(Transmit located
in Oldsmar, FL)
(1982232 Pops)

“Sprint Licensed”
WLW830
(Transmit located
in Bradenton, FL)
(127288 Pops)

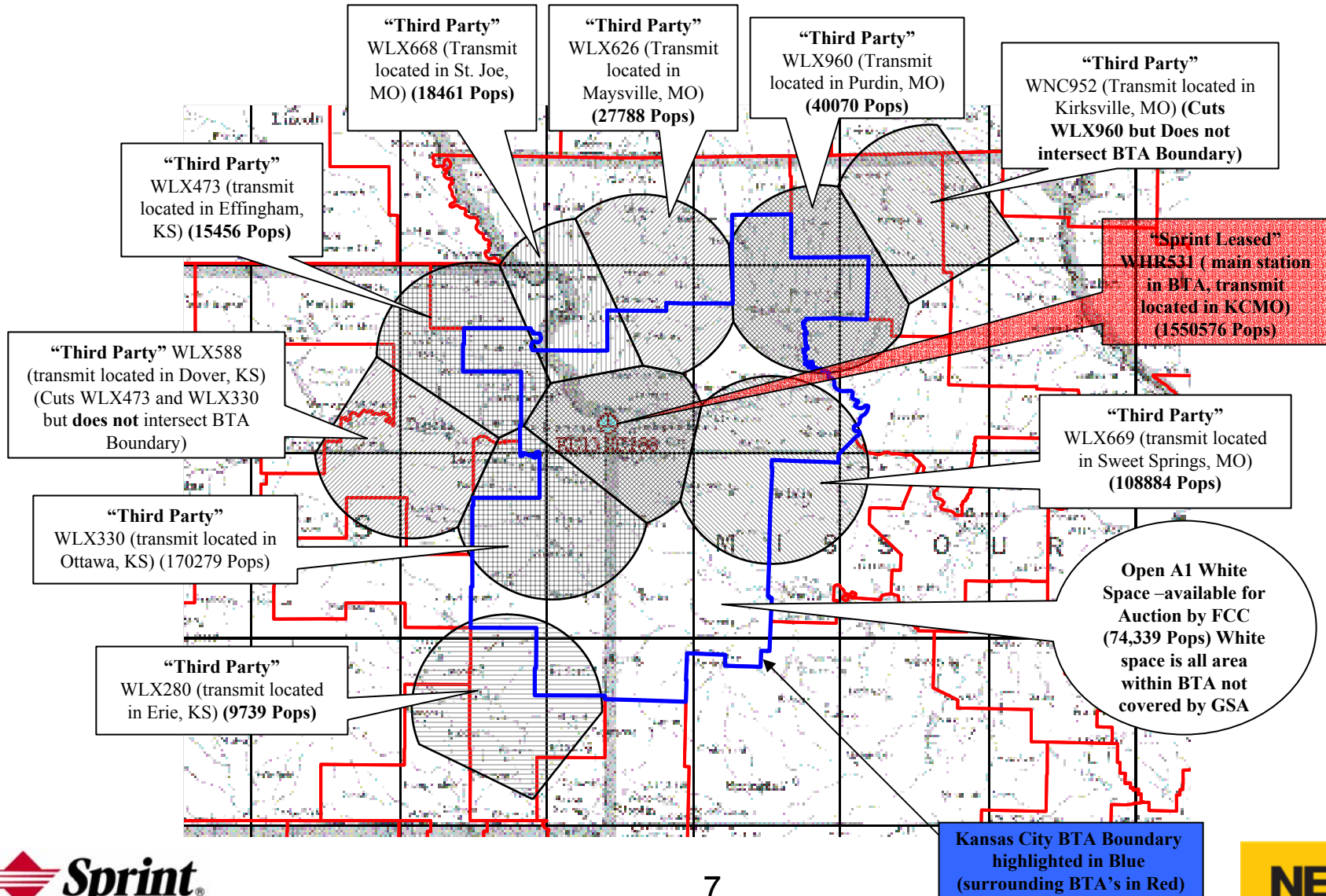
“Third Party-Delta
Band” WHK958
(Transmit located
in Lakeland, FL)
(246453 Pops)

BTA Licensed
Nextel-White
Space
Available for
Nextel on F1
(155933 Pops)

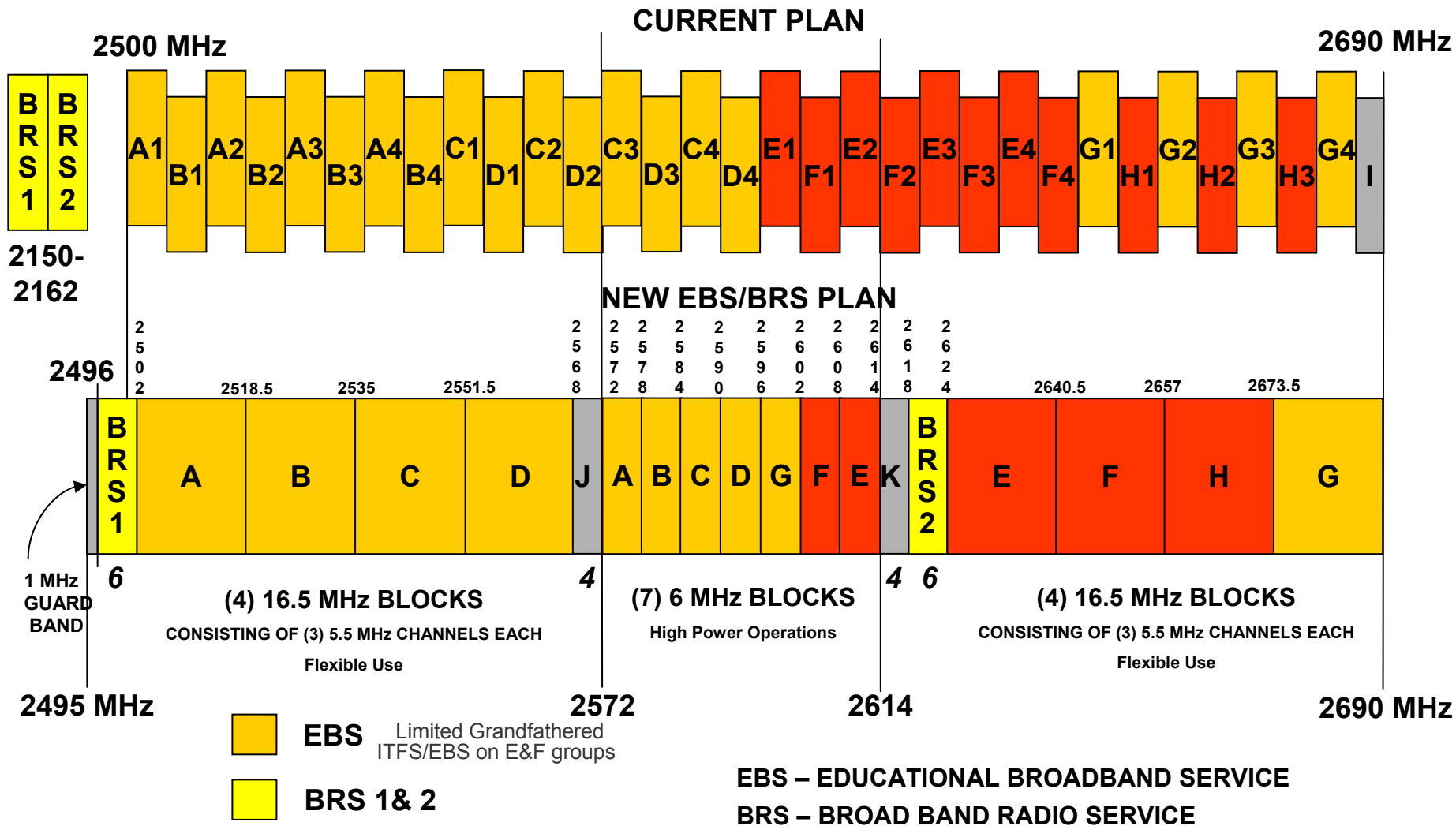
“Third party-
MMDS Fort
Myers” WHK974
(Transmit located
in Fort Myers, FL)
(1765 Pops)



EBS A1 Analysis Kansas City BTA



Appendix



EBS Limited Grandfathered ITFS/EBS on E&F groups

BRS 1 & 2

BRS **GUARD BANDS**

EBS – EDUCATIONAL BROADBAND SERVICE

BRS – BROAD BAND RADIO SERVICE