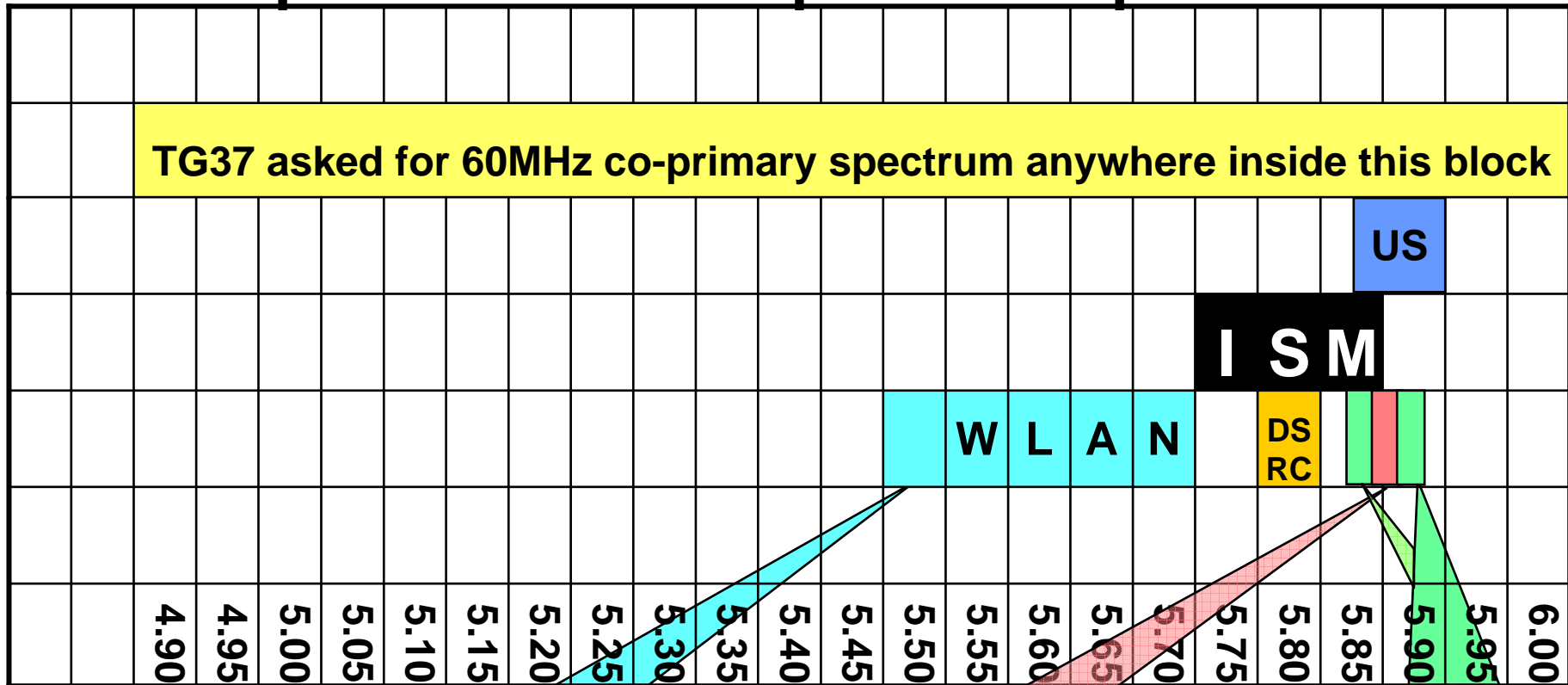


Spectrum Issues

TG 37 proposal

Proposed European Spectrum

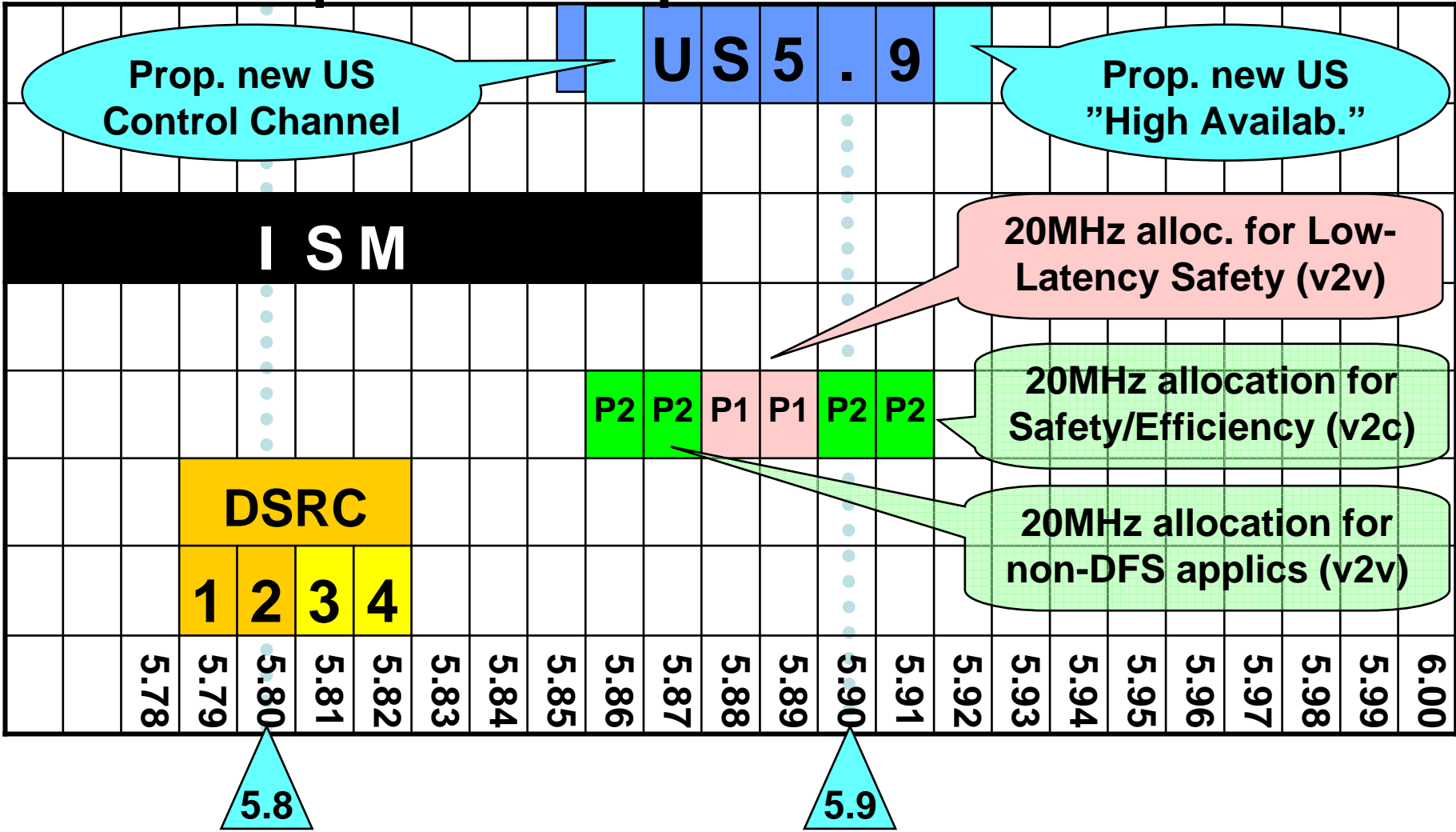


Shared allocation following WLAN rules SRD Part 3

Proposed allocation for V2V LowLat Safety SRD Part 1

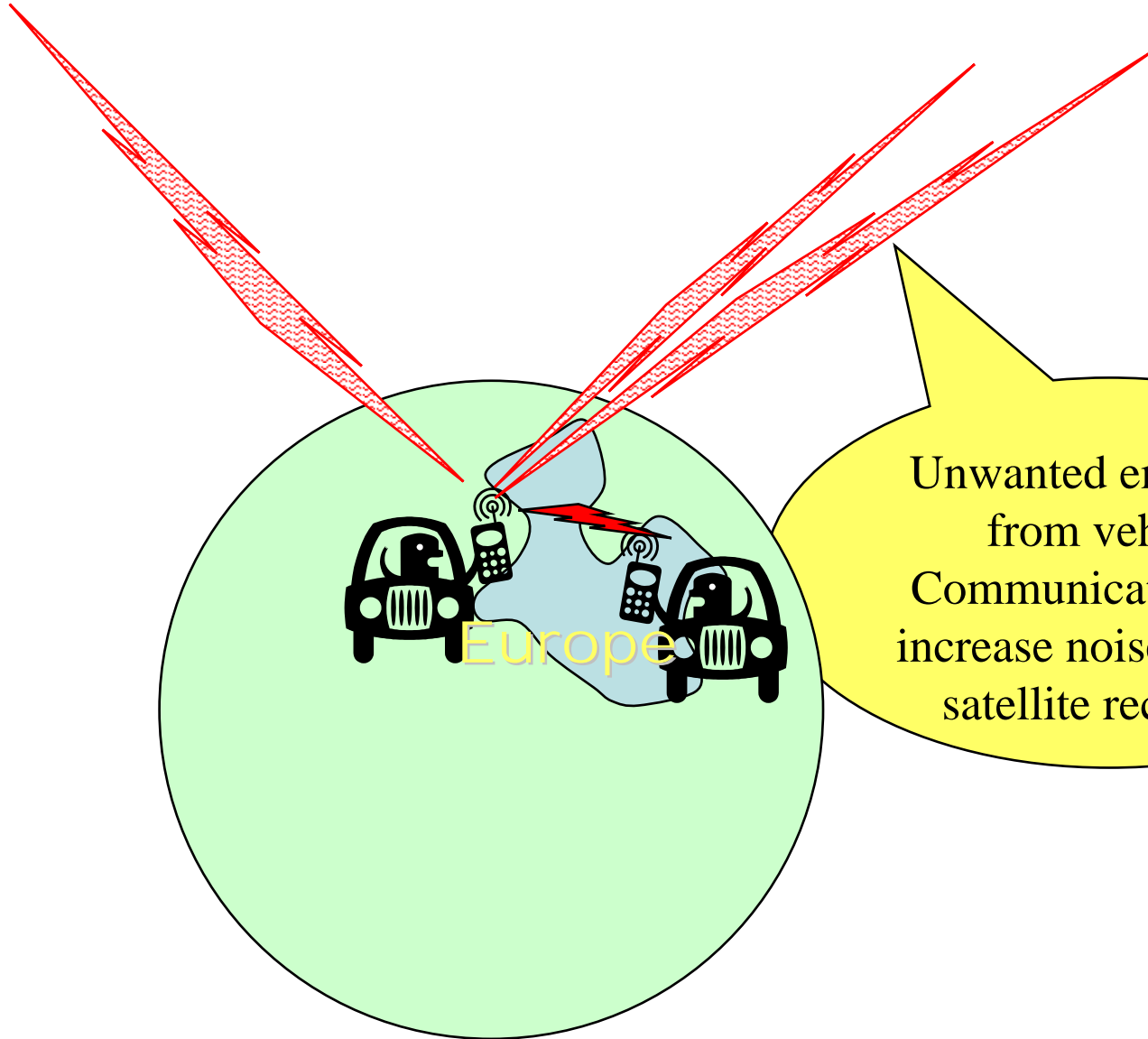
Proposed allocation for R2V Safety/Efficiency SRD Part 2

Proposed Spectrum Details





Interference path



Unwanted emissions
from vehicle
Communication will
increase noise level in
satellite receivers

Recommendations

- Vehicle-to-roadside needs priority in spectrum allocation now
- the control channel plus high availability channel will NOT cover all V2R safety applications!
- The current drafts for North America is likely to change due to new understanding in VIIC. This raises concern that European spectrum allocations might be incompatible if not sufficiently flexible
- Recommendation: Combine SRD Part 1 and 2 into one block, and avoid to fix channel functionality in this spectrum since regulatory frame updates will handle channel functions dynamically.

Proposal: 5855- 5915 MHz should be allocated to ITS.