

WW Spectrum Allocations for BWA

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Summary: WW Spectrum for BWA

PMP Frequency Bands											
Country	10 GHz ETSI	18-24 GHz	24 GHz DEMS	26 GHz ETSI	25-27 GHz	27.5-29.5 GHz	28 GHz Like US	31 GHz	38 GHz US	38 GHz ETSI	38 GHz Other
North America											
USA			X				X	X	X		
Canada			X		X		X		X		
Asia Pacific											
Australia							X	X			
Japan		X			XU						X
Korea					XU						
Malaysia	P										
New Zealand					X						
Philippines	X	X?			X		X				
Singapore						X?	X				
Taiwan				X							X
Thailand						X					
Central & South America											
Argentina	X		X		X		X	X	X		
Bolivia							X				
Brazil	P			P							
Chile					X		X				
Colombia					X		X				
Ecuador						X					
Mexico	X			X							
Paraguay						X					
Peru						X					
Venezuela						X					

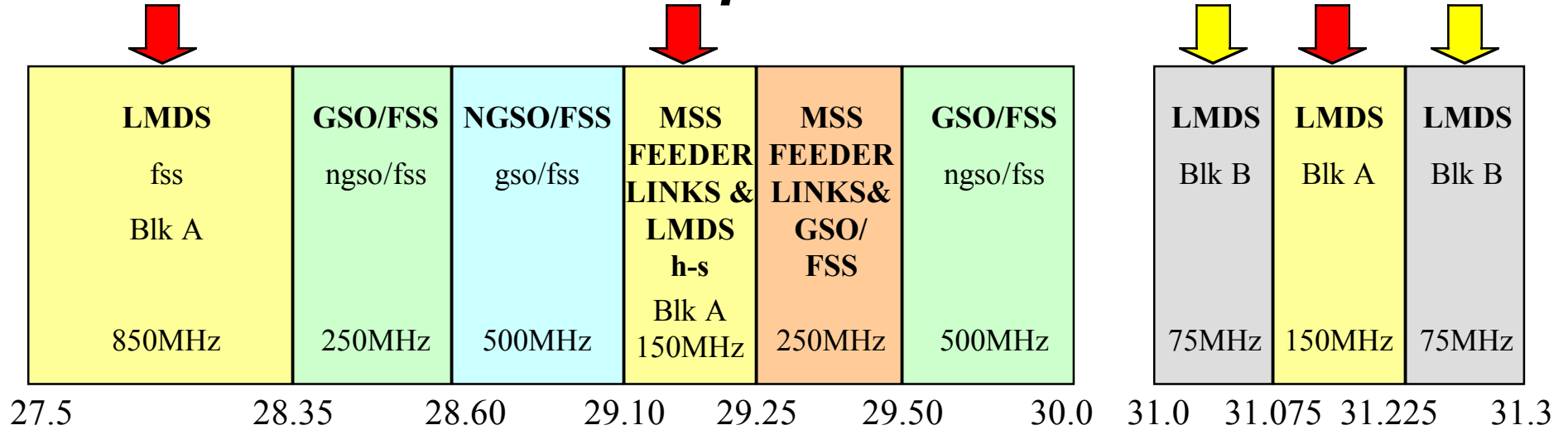
**CEPT
Recommendation
for Europe of
40.5-42.5 and
42.5-43.5 GHz not
considered**

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Country	10 GHz ETSI	18-24 GHz	24 GHz DEMS	26 GHz ETSI	25-27 GHz	27.5-29.5 GHz	28 GHz Like US	31 GHz	38 GHz US	38 GHz ETSI	38 GHz Other
Europe, Middle East, Africa											
Czechoslovakia						X					
France						T					
Germany				X							
Hungary				X							
Ireland				X							
Israel				P?							
Netherlands				X							
Norway				X							
Poland						X					
Romania							X				
South Africa						X					
Spain				X			X	X			
United Kingdom	X										

CEPT Recommendation for Europe of 40.5-42.5 and 42.5-43.5 GHz not considered

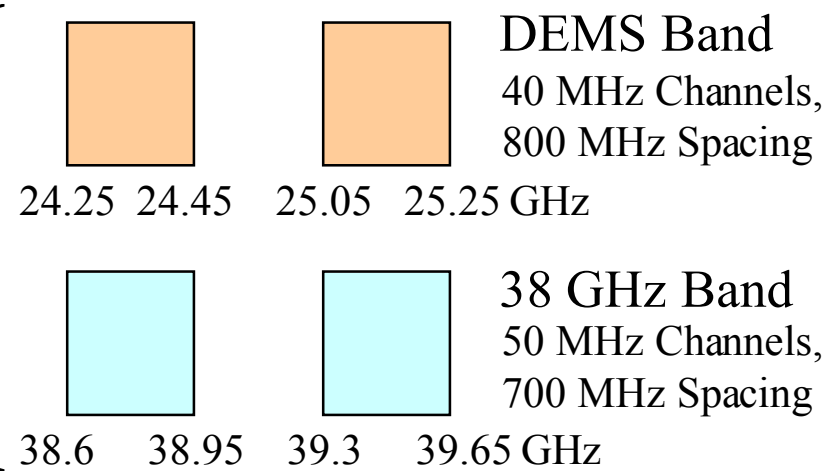
FCC "28GHz" LMDS Spectrum Allocation in US



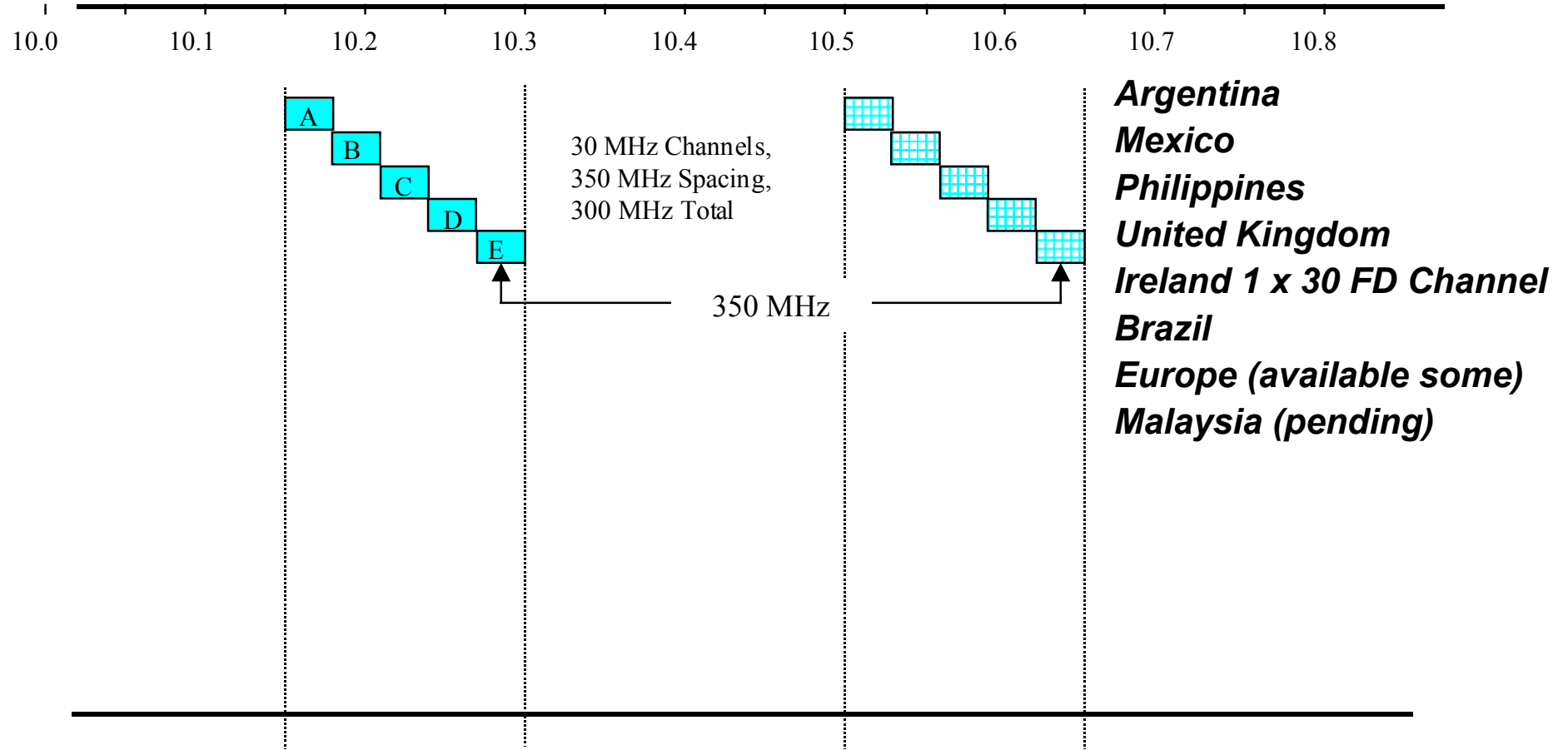
LMDS Block A (1150MHz)

LMDS Block B (150MHz)

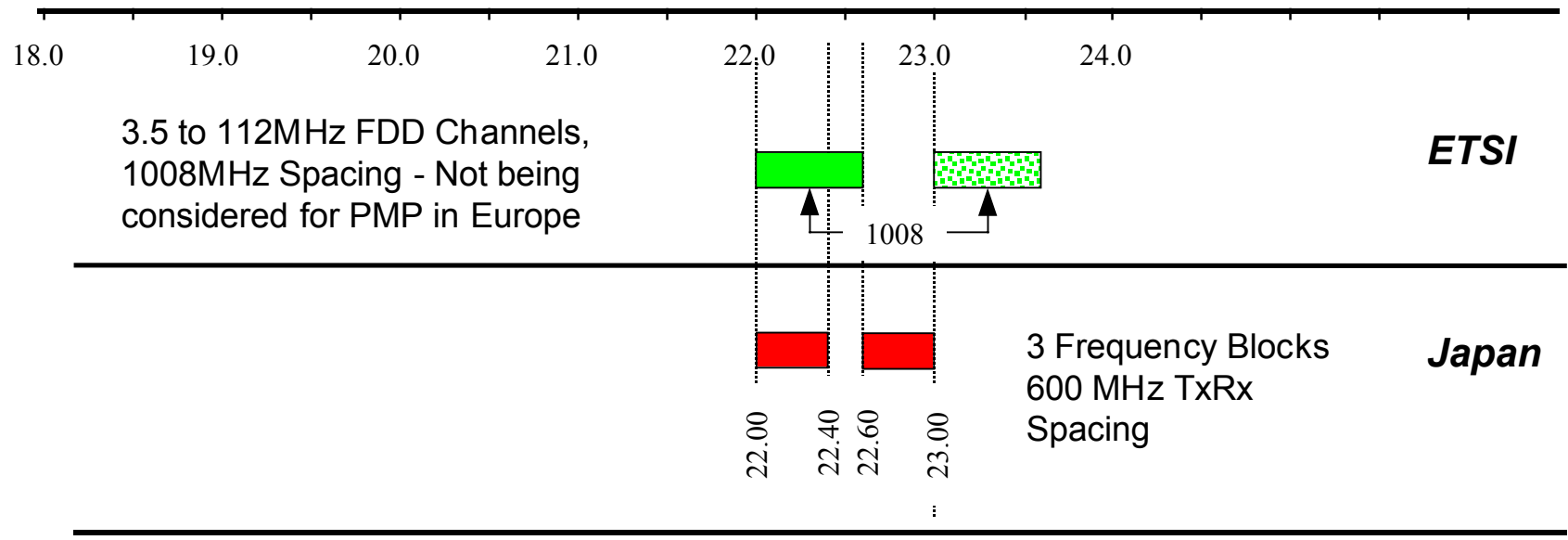
Other US
Multipoint
Bands



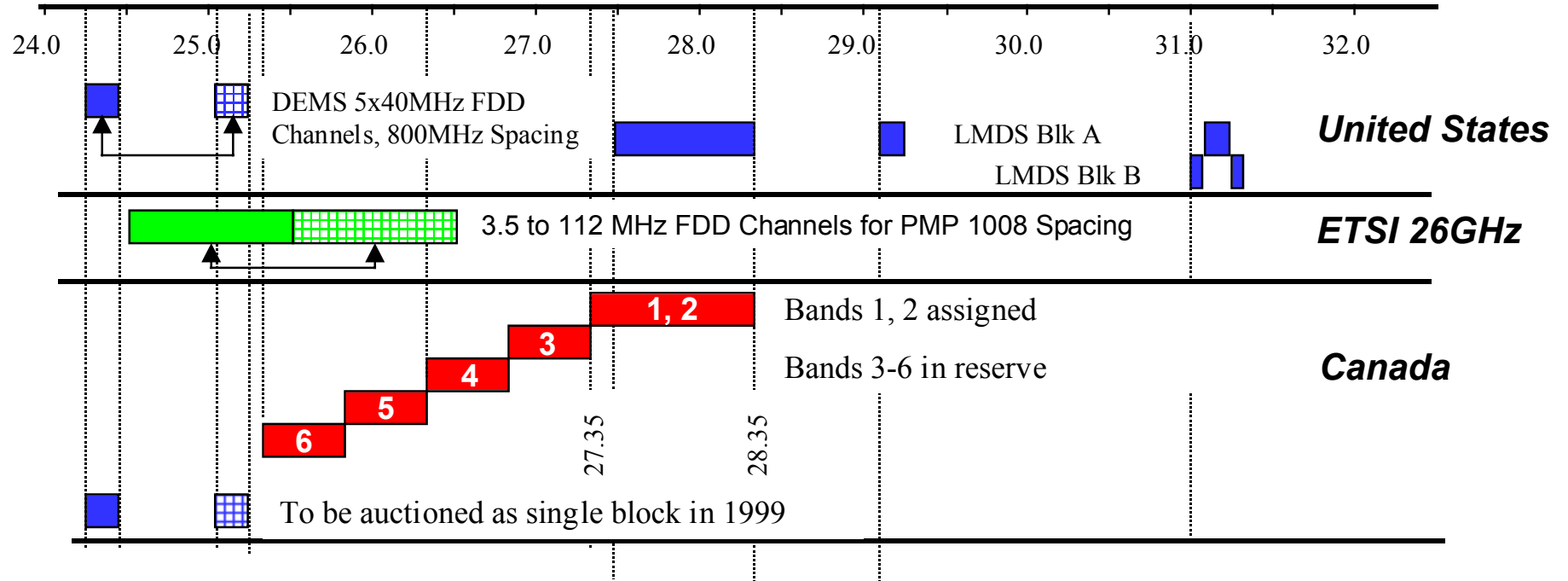
WW - "10 GHz" Band



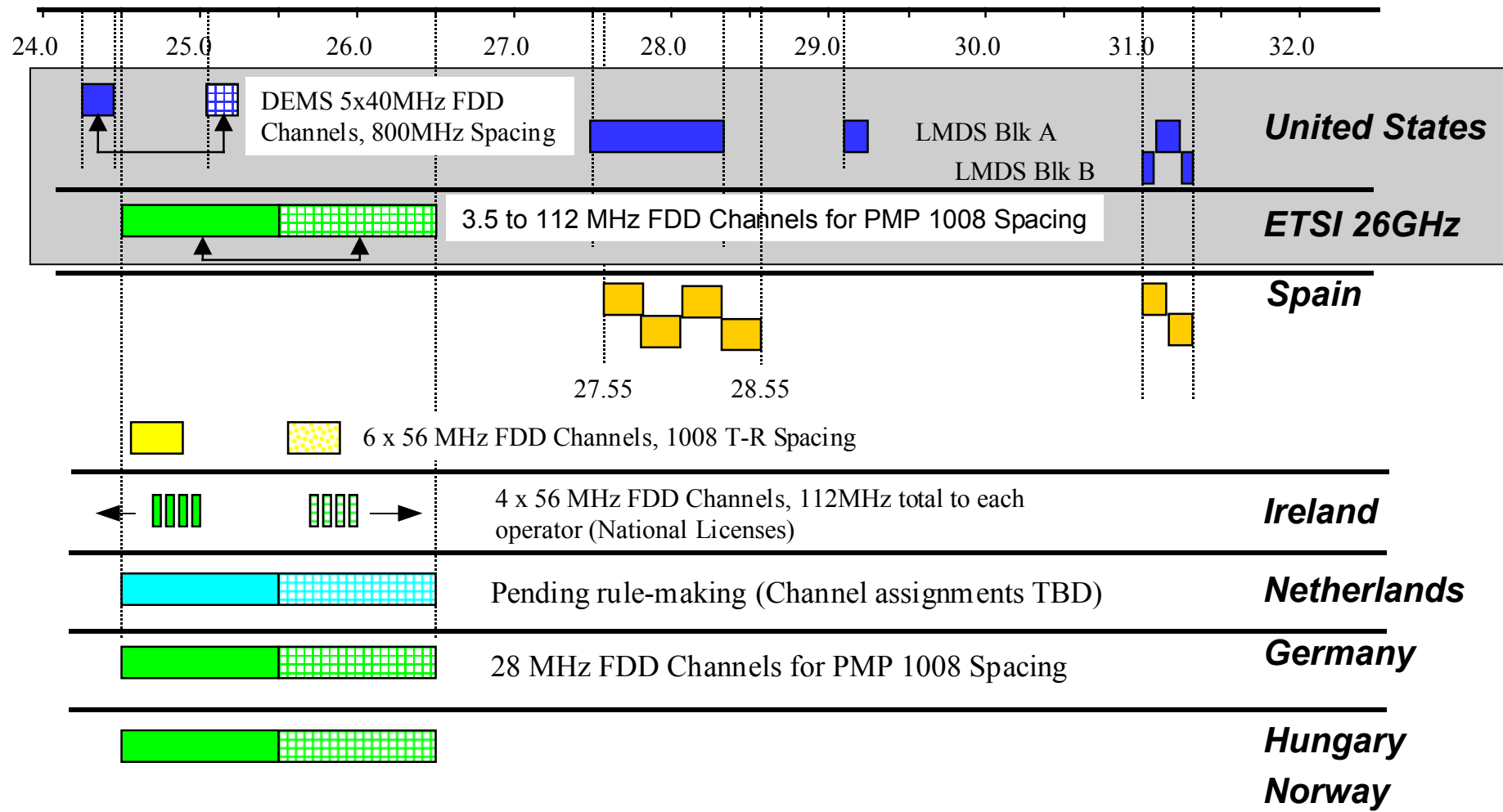
WW 18-24 GHz Band



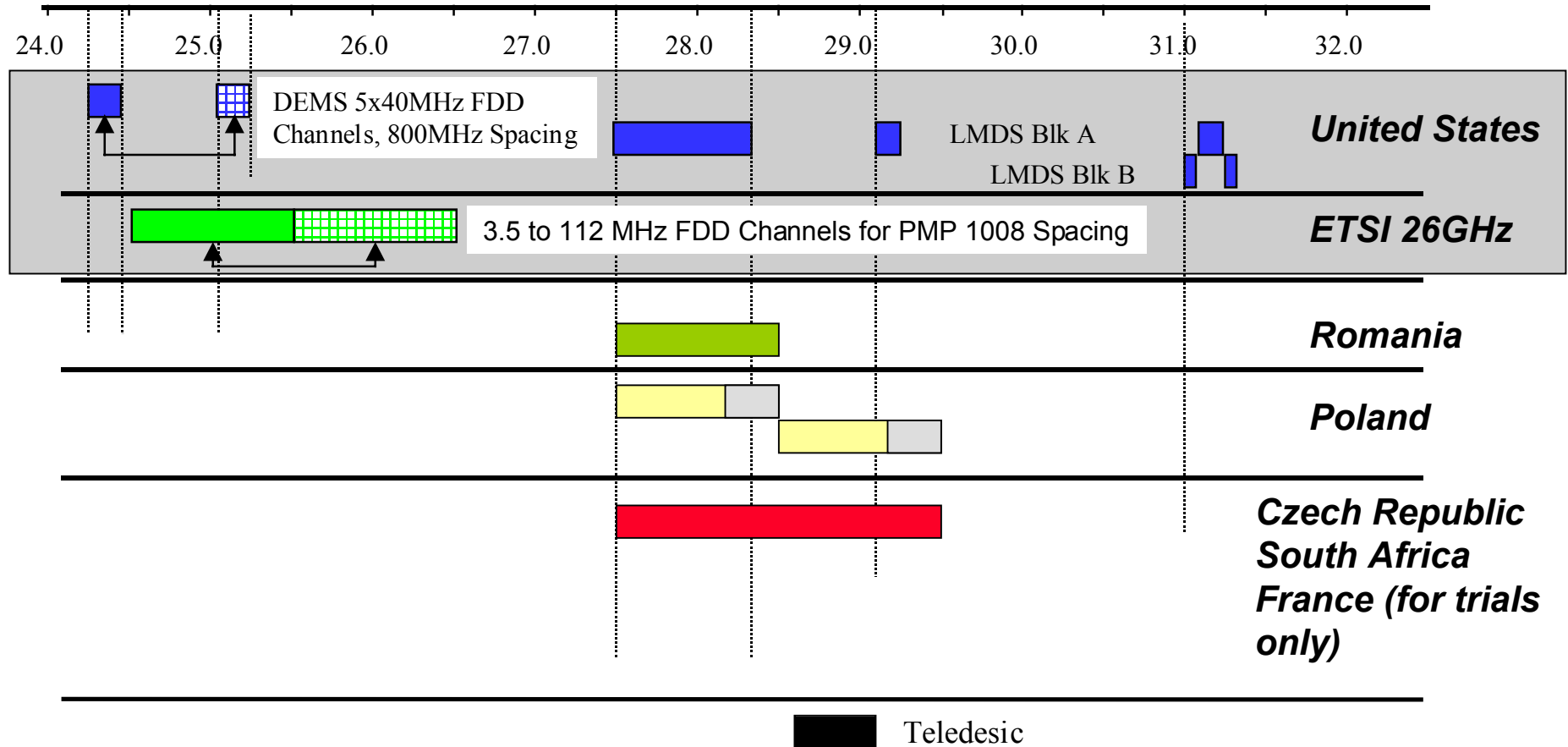
North America 24-31 GHz Band



Europe, Middle East, Africa #1 24-31 GHz Band

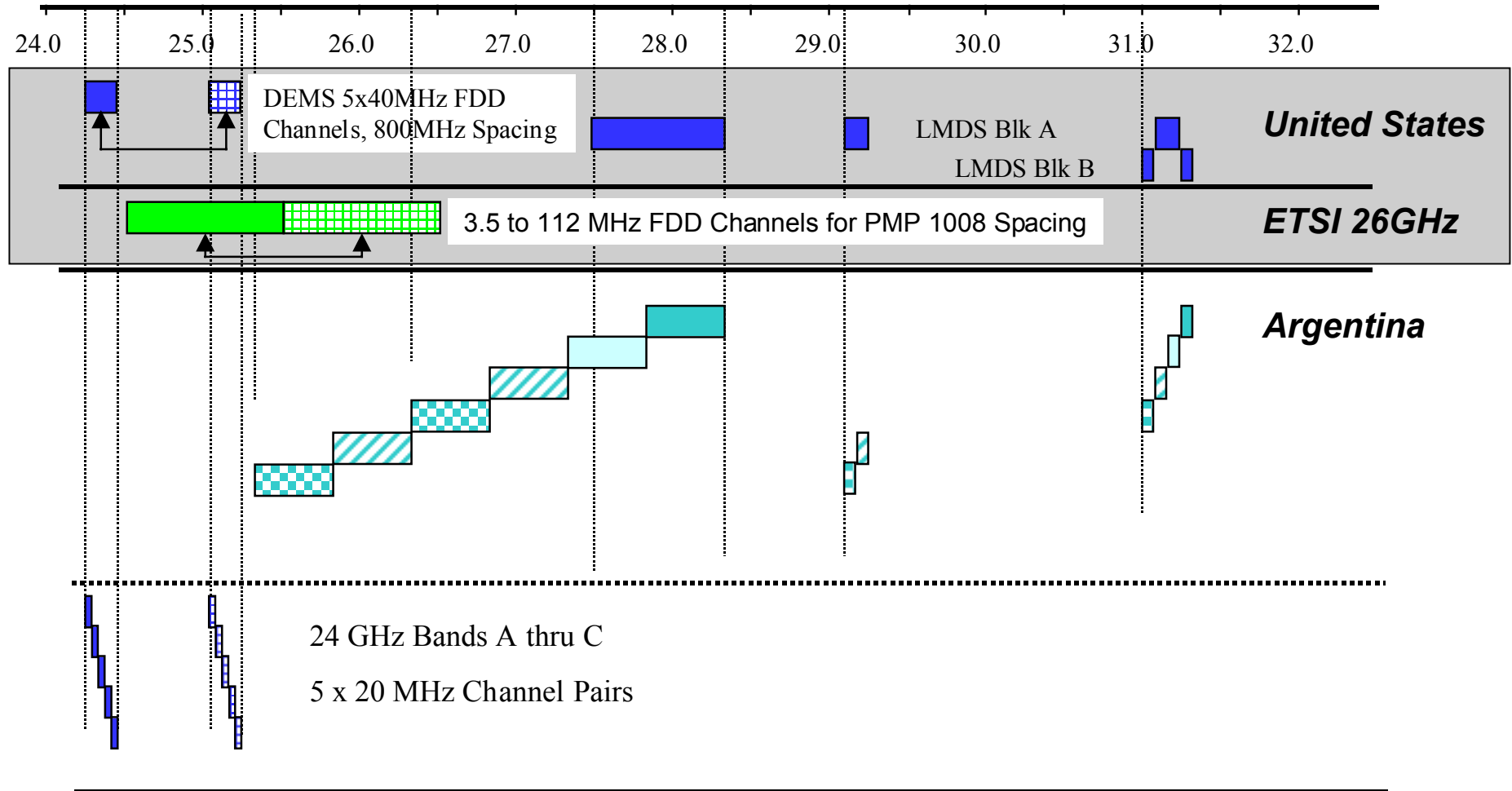


Europe, Middle East, Africa #2 24-31 GHz Band

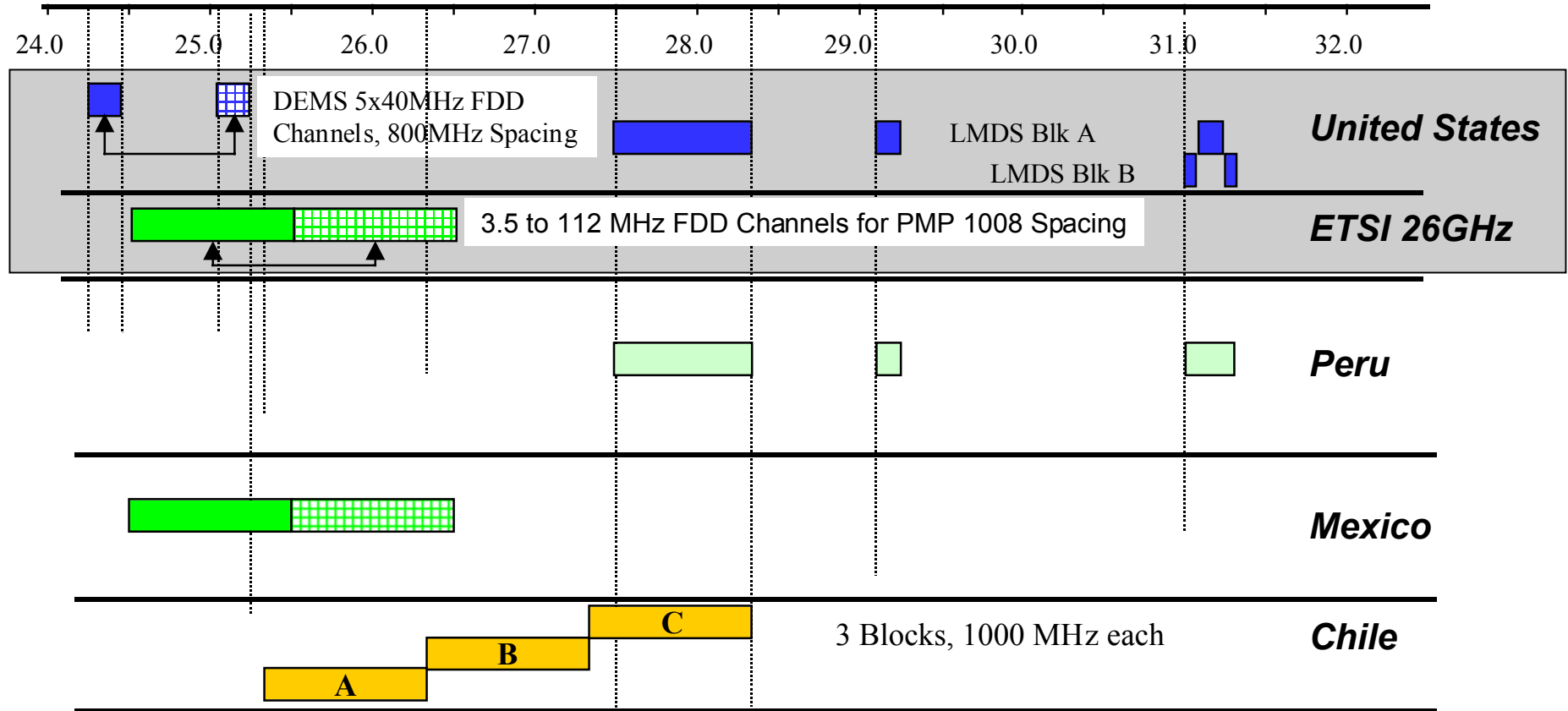


Note: Spectrum from 28.6 to 29.1 could be contested if Teledesic is successful in gaining international support in barring terrestrial applications in this band

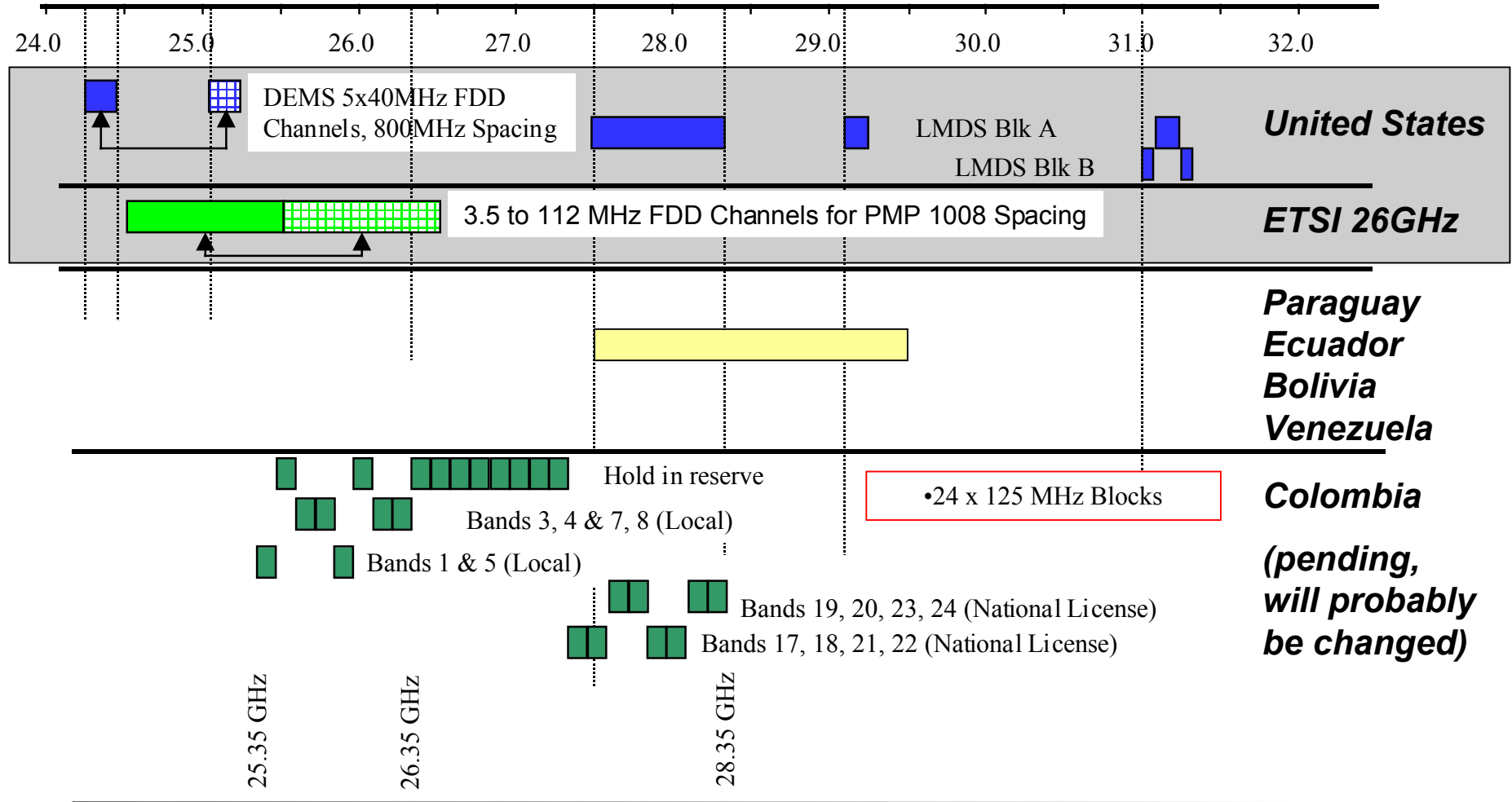
Central & South America #1 24-31 GHz Band



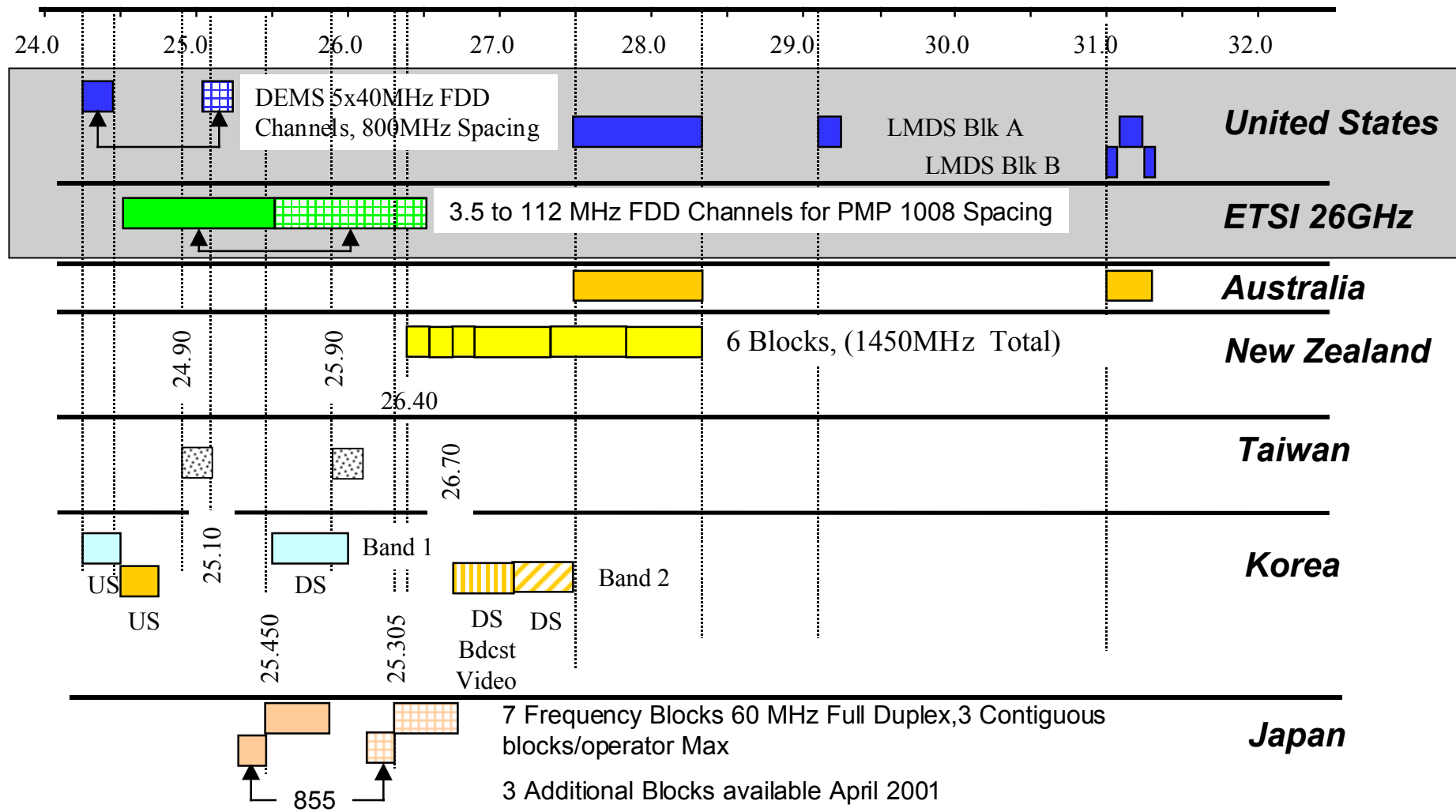
Central & South America #2 24-31 GHz Band



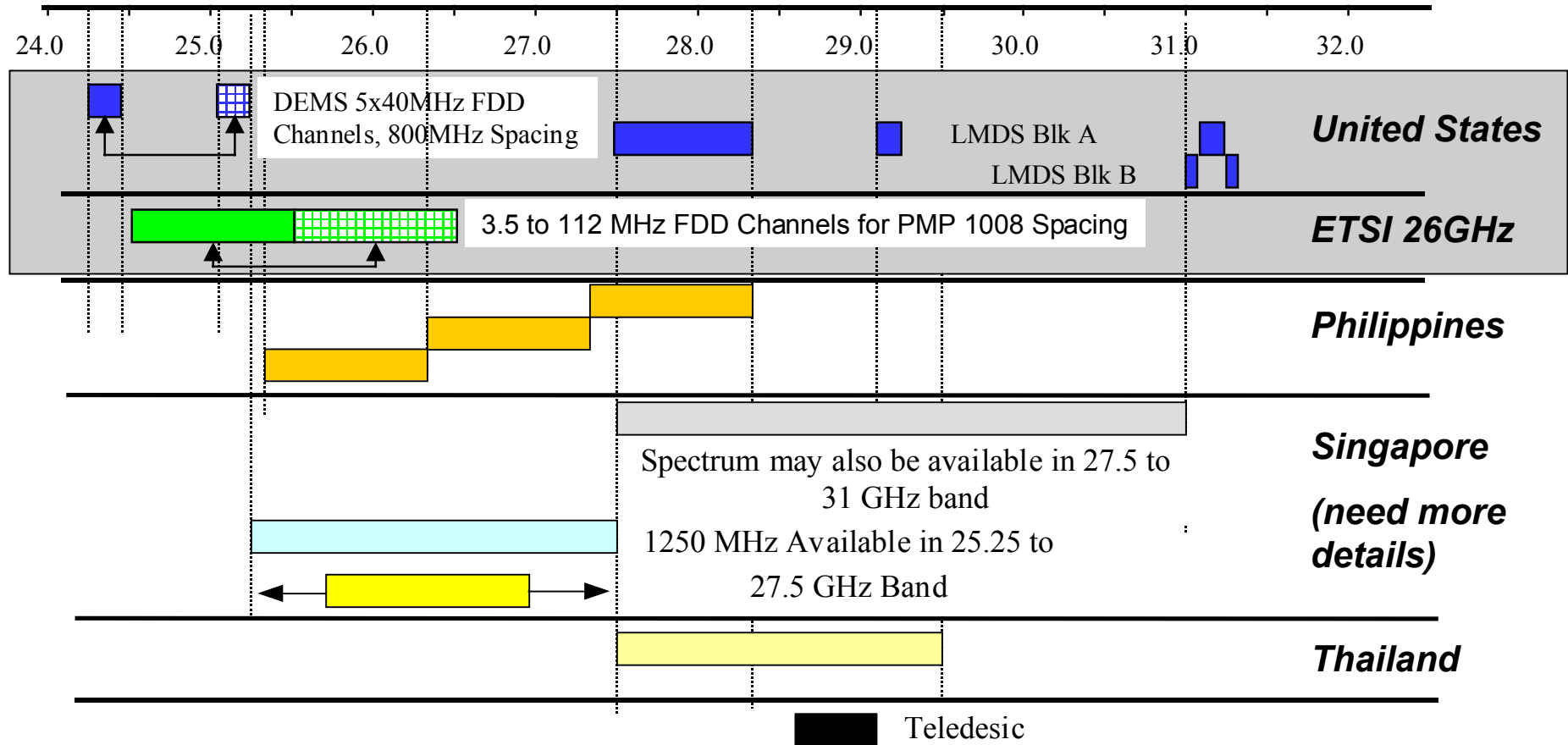
Central & South America #3 24-31 GHz Band



Asia/Pacific #1 24-31 GHz Band

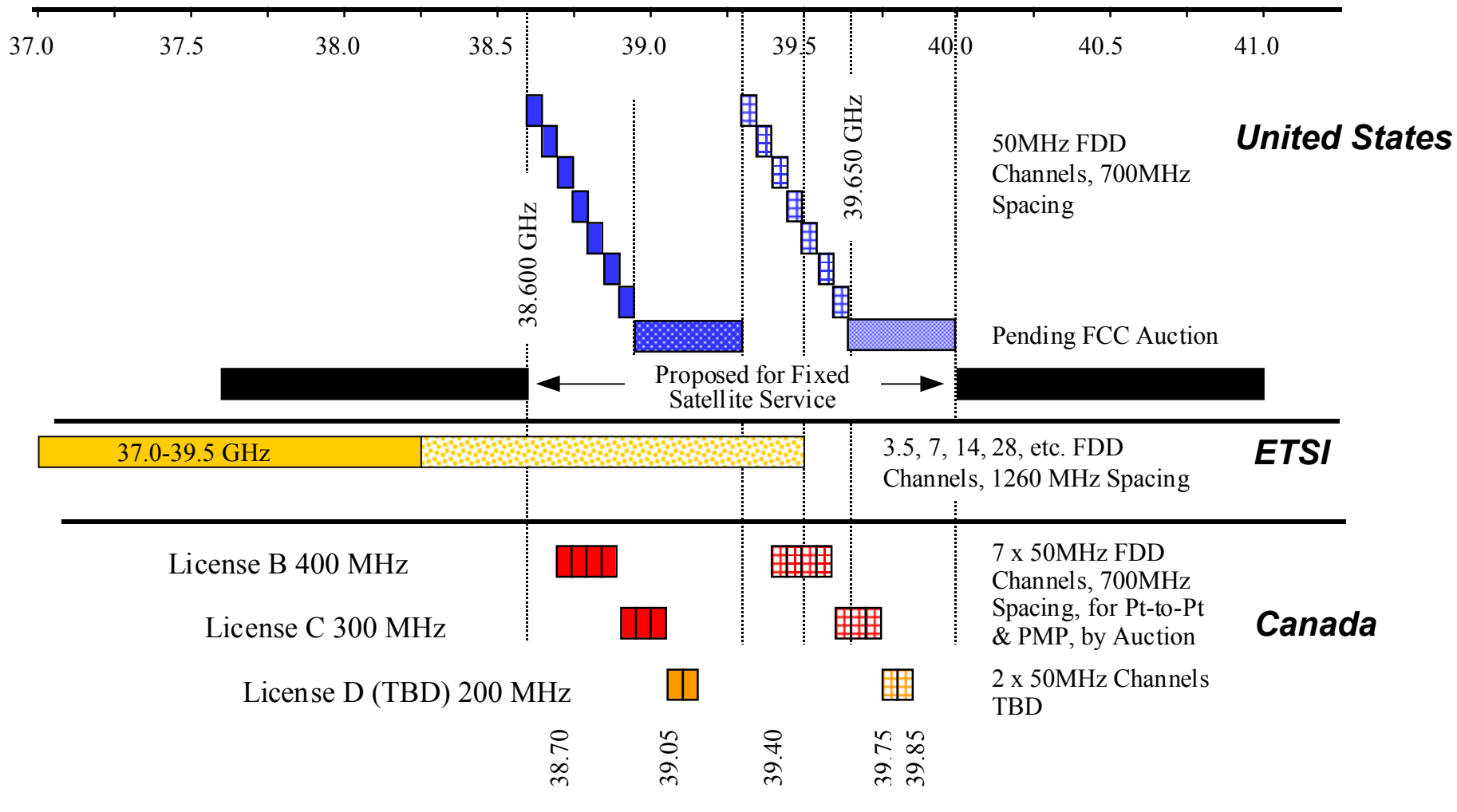


Asia/Pacific #2 24-31 GHz Band

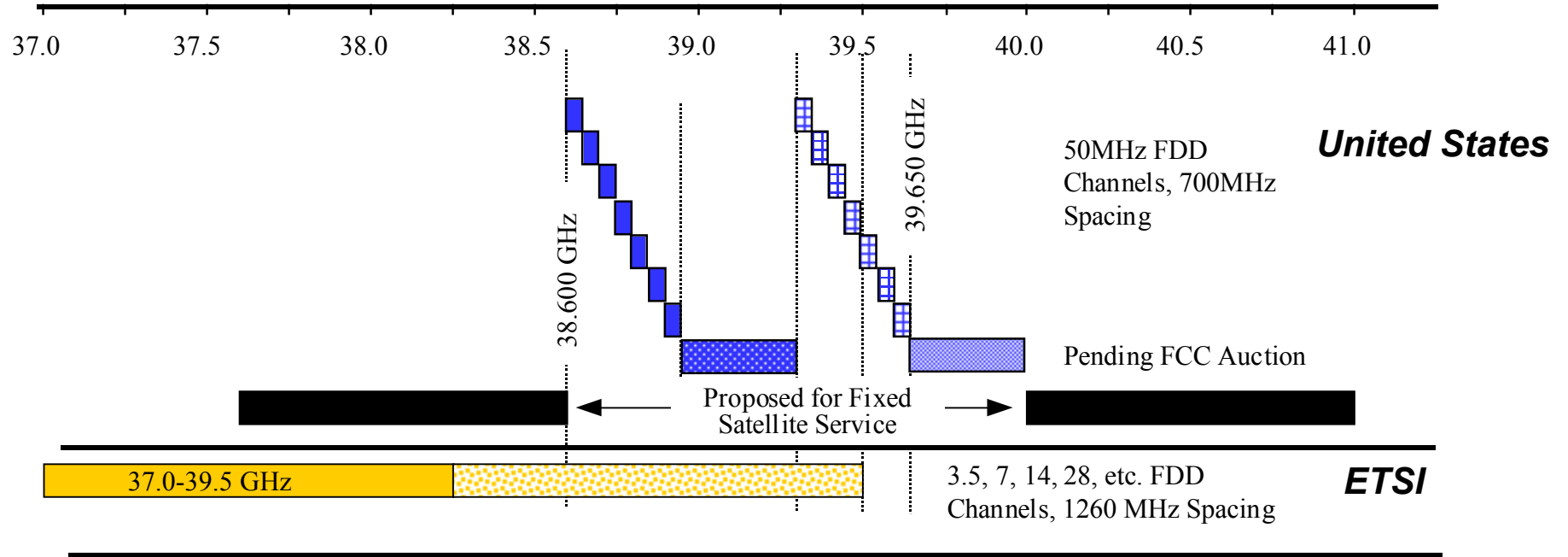


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North America 37-40 GHz Band

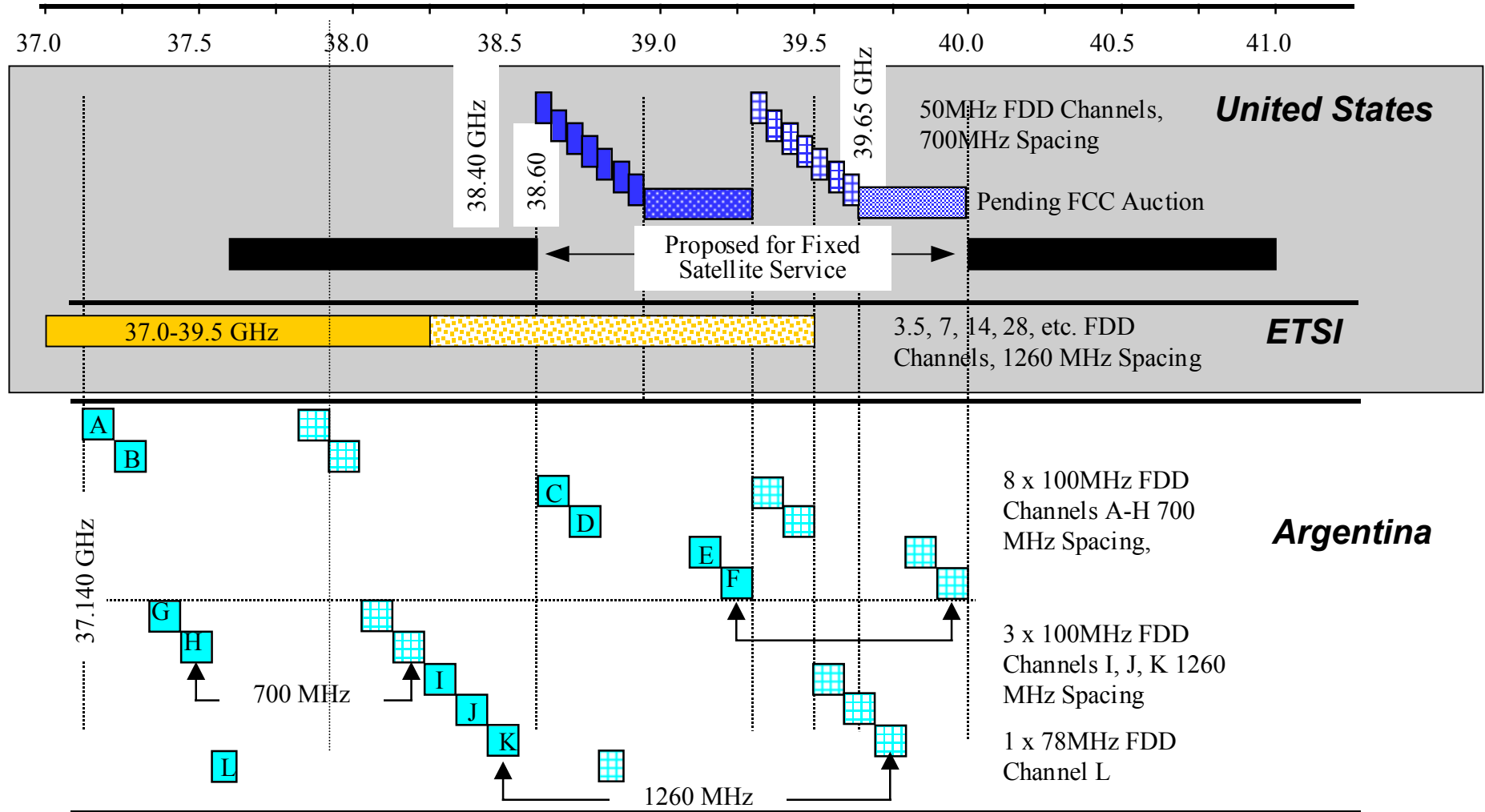


Europe, Middle East & Africa 37-40 GHz Band

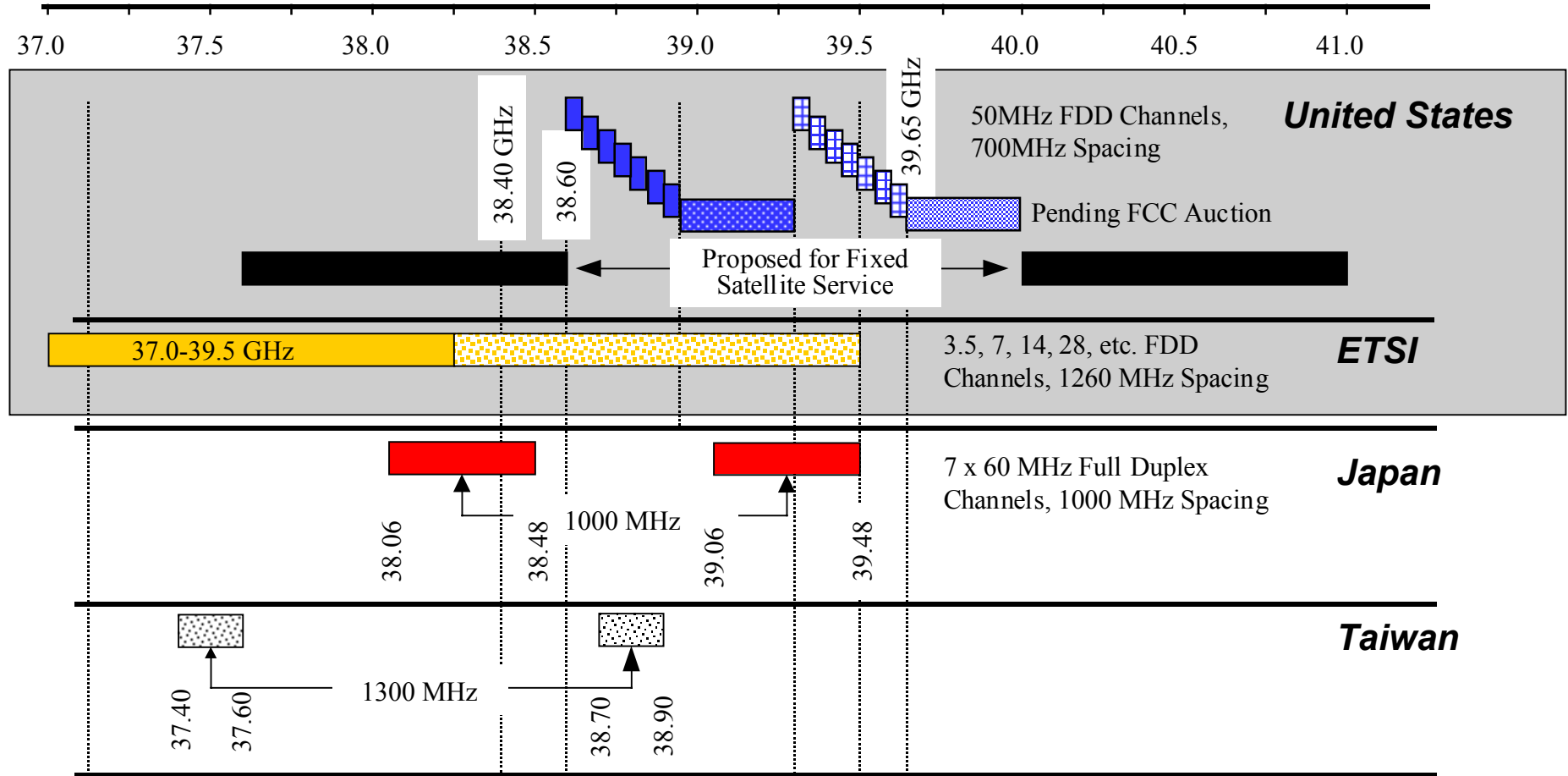


To date there are no allocations for PMP in Europe, Middle East & Africa

Central & South America 37-40 GHz Band



Asia/Pacific 37-40 GHz Band



Standards Activities Re: BWA Spectrum

- ***Europe:***

- ***ETSI FM-29: Definition of band-plans in 26 and 28 GHz bands for PMP - (sharing w/ PtoP?)***
- ***ETSI FM-34: Studying feasibility of utilizing 31.8-33.4 GHz band for BWA PMP***
- ***CEPT- Re-visiting 40.5-42.5 GHz MVDS spectrum recommendation, extend to 43.5 GHz focus change to interactive services, multiple operators***
- ***ETSI - TM-4 Co-existence issues for BRAN HA***

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