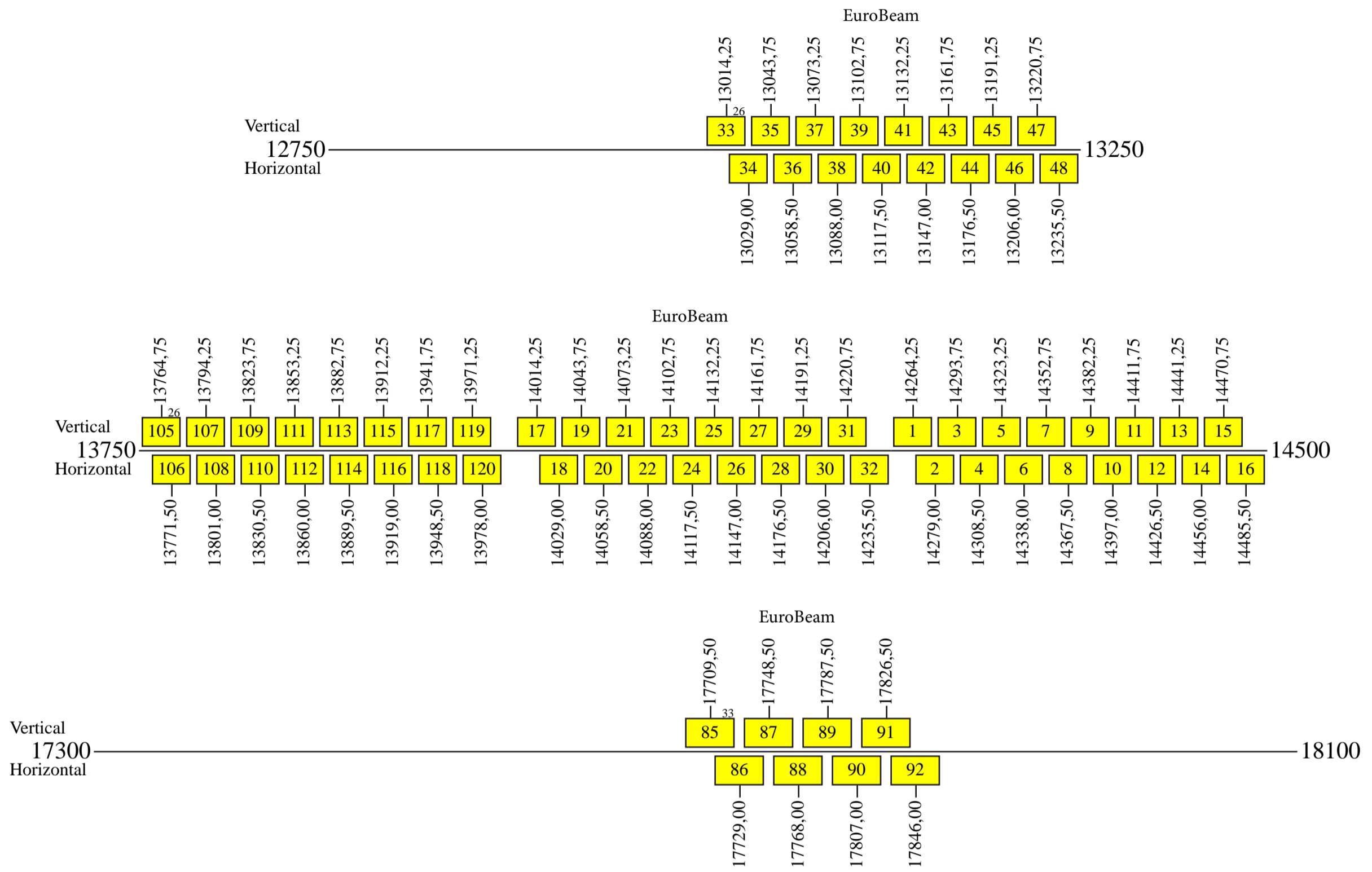


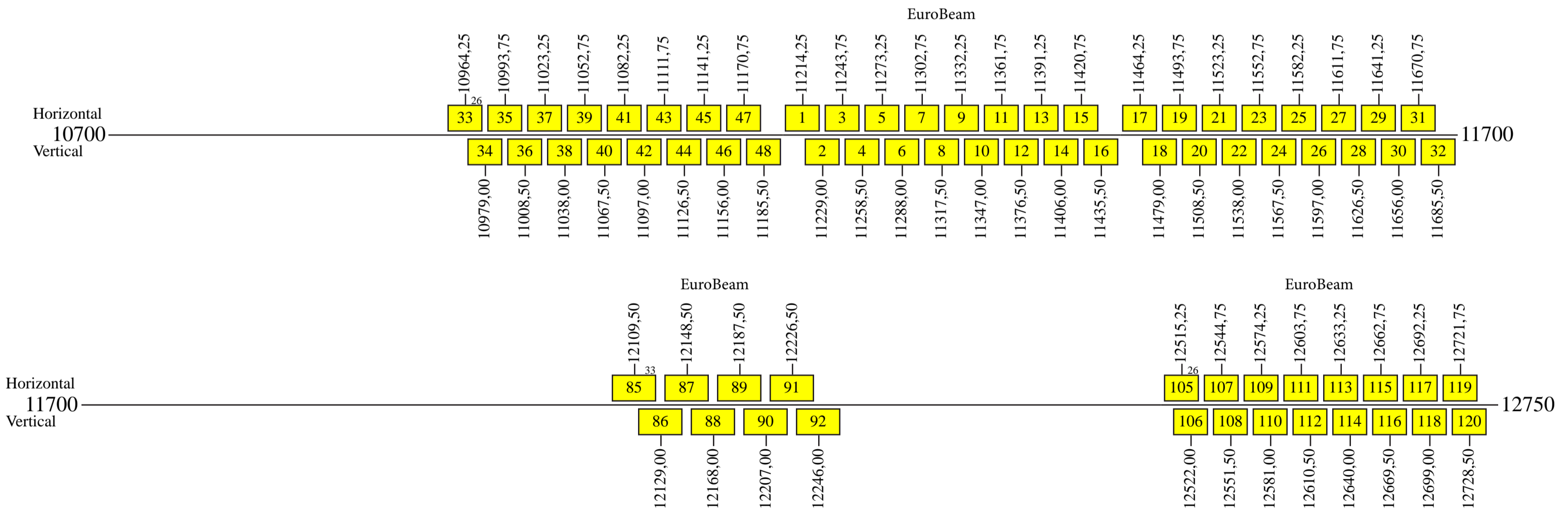
Astra-1L

Frequency Plan Ku-Band

Uplink



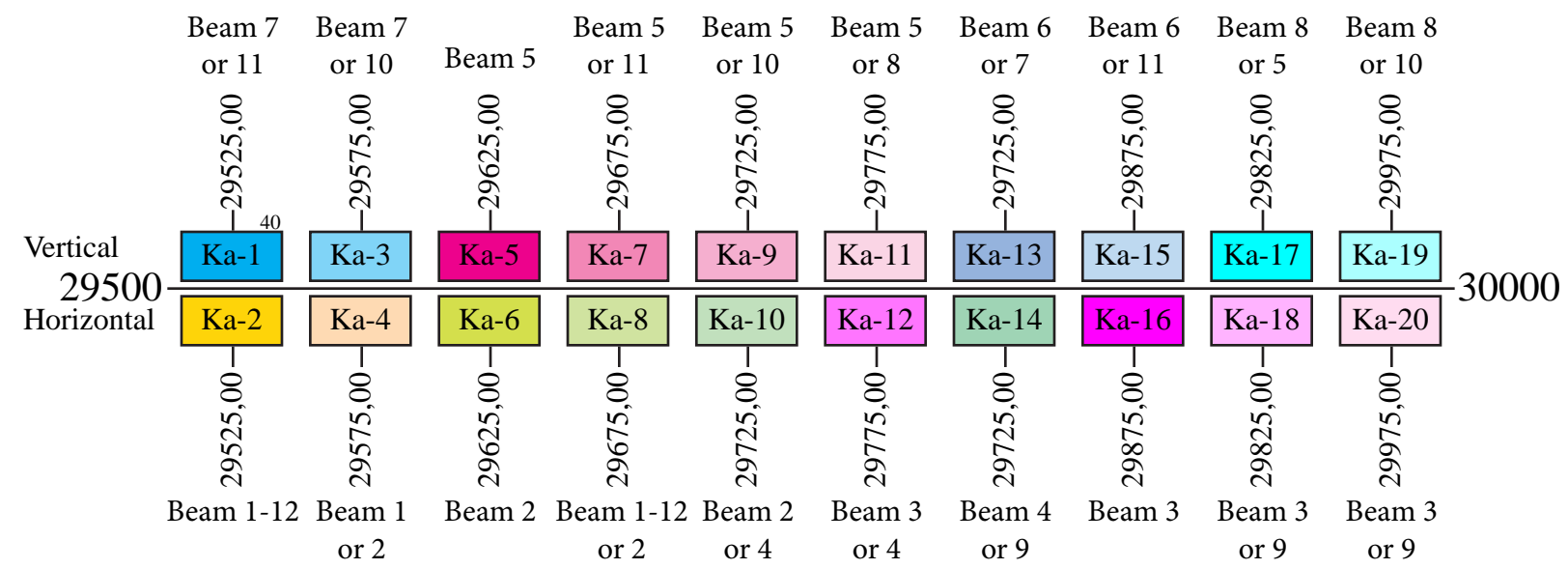
Downlink



Astra 1L

Frequency Plan Ka-Band

Uplink



Note: Beam 1-12 = Portugal & CI
 Beam 2 = Spain
 Beam 3 = France
 Beam 4 = UK
 Beam 5 = Germany
 Beam 6 = Scandinavia
 Beam 7 = Hungary
 Beam 8 = Italy
 Beam 9 = Finland
 Beam 10 = Ukraine
 Beam 11 = Greece

Downlink

