

## E133WA Service Areas

This document illustrates the service areas for the uplink and downlink beams in the accompanying Schedule S.

The Ku-band fixed uplink service area #1 includes Alaska, western Canada, portions of the north Pacific Ocean and the western United States and is illustrated in Figure 1. Figure 1 reflects the service area for uplink beams F1H1, F1H2, F1H3, F1V1, F1V2 and F1V3V.

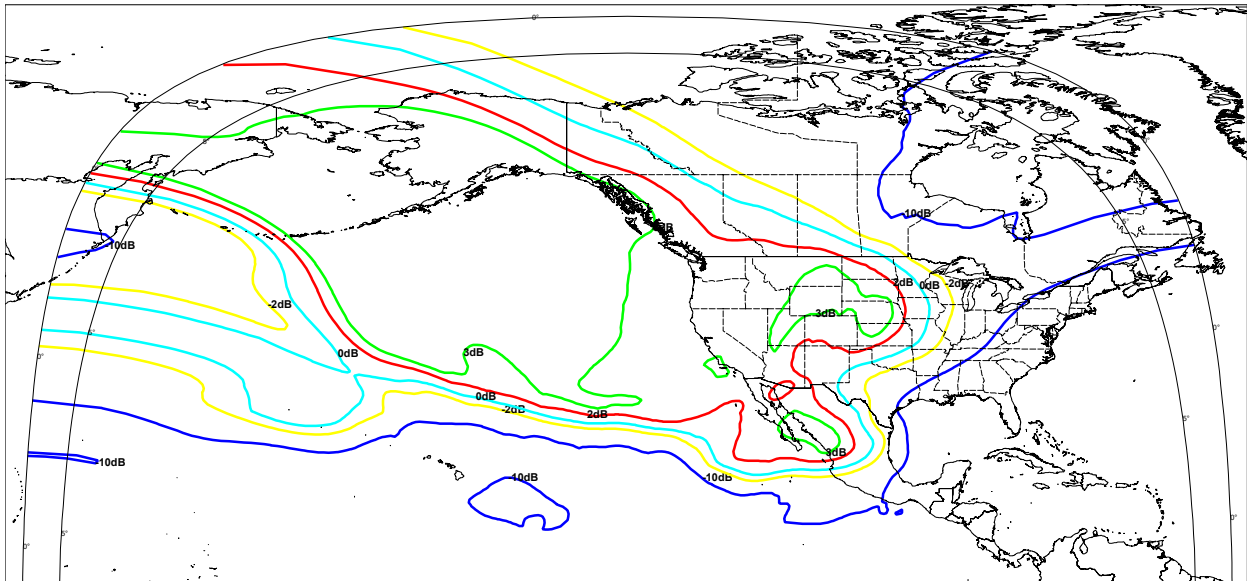


Figure 1 Ku-band Fixed Uplink Service Area #1 from 132.85°W.L.

The Ku-band fixed downlink service area #1 includes Alaska, western Canada, portions of the north Pacific Ocean and portions of the western United States and is illustrated in Figure 2. Figure 2 reflects the service area for uplink beams F1H5, F1H6, F1H7, F1V5, F1V6 and F1V37.

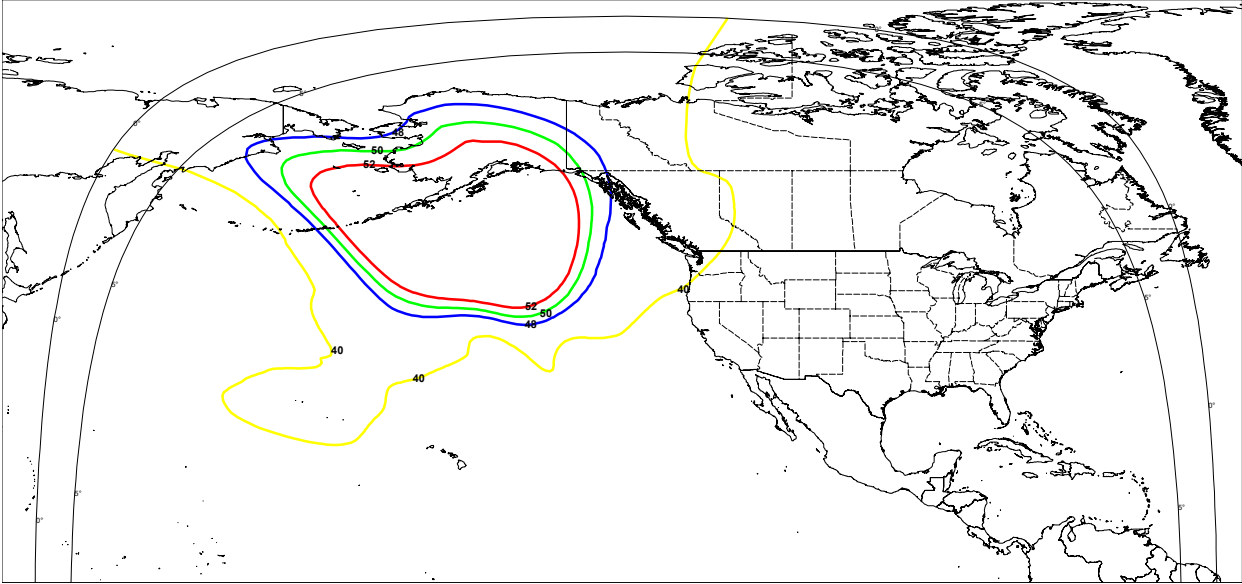


Figure 2 Ku-band Fixed Downlink Service Area #1 from 132.85°W.L.

The Ku-band steerable uplink service area #1 includes the majority of the contiguous United States (CONUS) and is illustrated in Figure 3. Figure 3 reflects the service area for uplink beams S1H3 and S1V3.

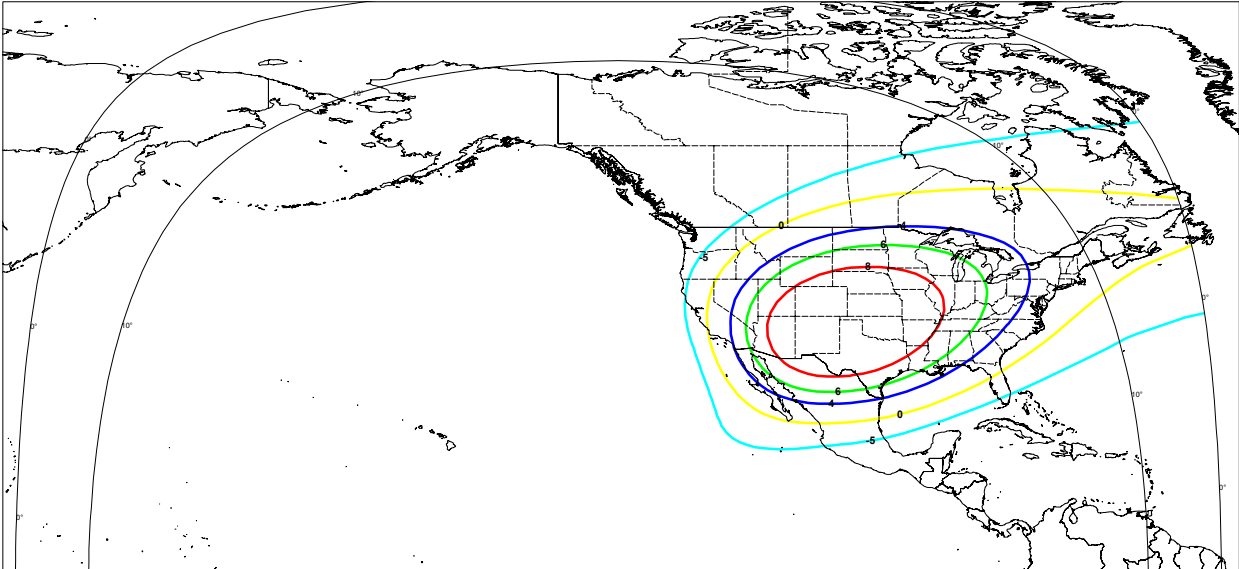


Figure 3 Ku-band Steerable Uplink Service Area #1 from 132.85°W.L.

The Ku-band steerable downlink service area #1 includes eastern Canada and the contiguous United States (CONUS) and is illustrated in Figure 4. Figure 4 reflects the service area for uplink beams S1H7 and S1V7.

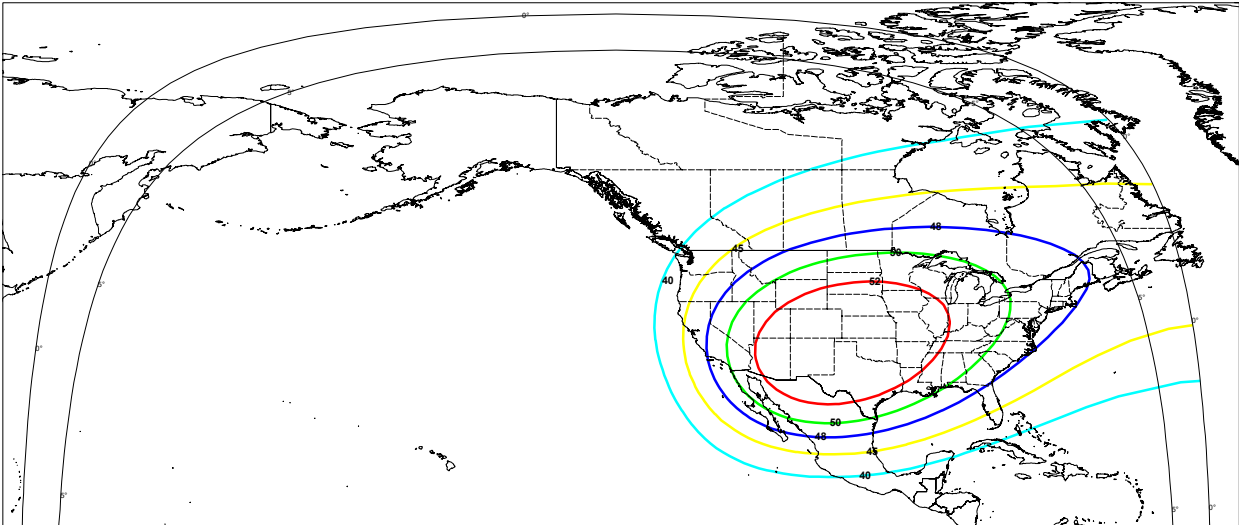


Figure 4 Ku-band Steerable Downlink Service Area #1 from 132.85°W.L.

The Ku-band regional beacon service area includes North America and the North Pacific and is illustrated in Figure 5. Figure 5 reflects the service area for downlink beam BR.

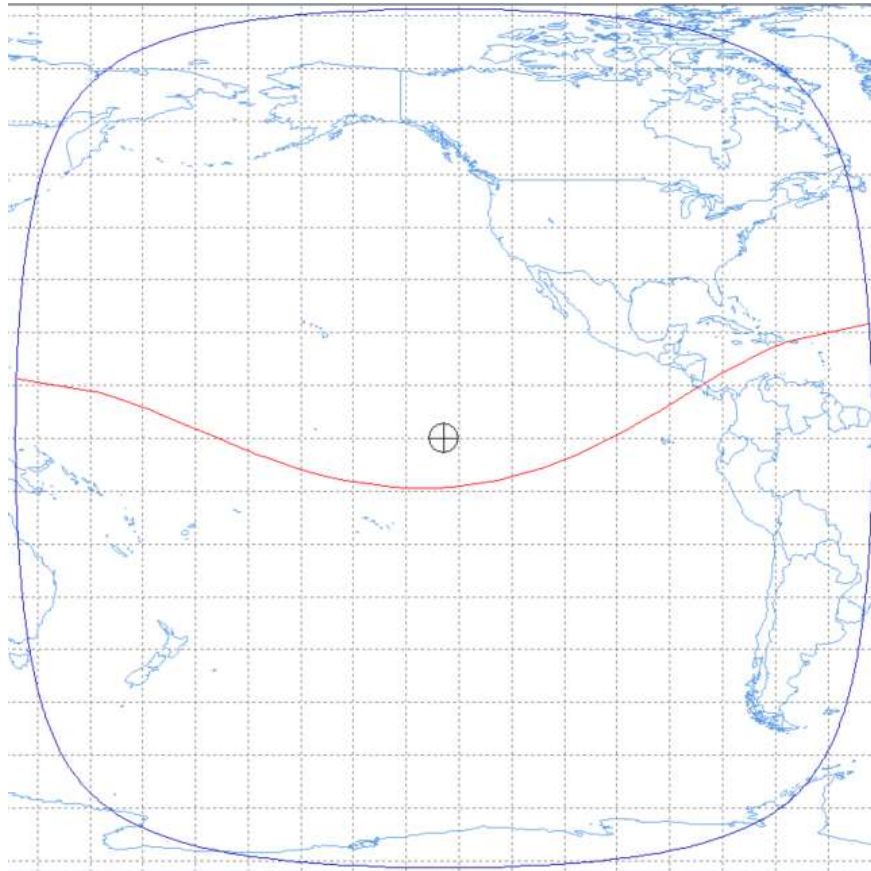


Figure 5 Ku-band Regional Service Area from 132.85°W.L.