

Senate Standing Committee on Environment and Communications

Answers to Senate Estimates Questions on Notice

Budget Estimates Spill-over Hearing June 2017

Communications Portfolio

NBN Co Limited

Question No: 304

NBN Co Limited

Hansard Ref: Written, 27/06/2017

Topic: Fade margin

Senator Urquhart, Anne asked:

For what fade margin as the Sky Muster network been engineered?

Answer:

nbn has designed the Sky Muster network by incorporating the international ITU models for rain attenuation and sized the network for the worst case rain locations. Various industry best practise techniques are used to manage rain fade in addition to margins in each of the forward and return paths, such as the application of uplink power control systems and adaptive signal modification techniques that improve link performance in response to changing environmental conditions.