

Technical Description

We use the SACE equipment to calibrate the SMBR antenna arrays on the 737 AEW&C aircraft. There is a Ground SACE (G-SACE), which consists of a signal generator, power amp, and a large antenna. The G-SACE transmits various frequencies (in the range listed in our previous license GG-GG-EE6F-JPJ-06-1092) through a large antenna at Pacific Beach, WA. Those transmitted signals are collected by the Air SACE (A-SACE) on the aircraft that flies around above the G-SACE. During the SACE flights, the A-SACE laptop records all of the data it received from the transmitting G-SACE and it is used to calibrate the system.