



This experiment is to characterize 8-12GHz radio transmission attenuation through a rocket plume environment. Testing will be outdoors in an open air bunker using two standard gain horns radiating at each other. A second test will involve a prototype omnidirectional antenna and a receive horn. Intent is to transmit over a very short distance of no more than 30 feet. Power levels will vary between 0-20 Watts, but can be reduced to lower power if necessary.