

5G Cellular Interference Path Loss Testing on Aircraft

The Boeing Company
Global Spectrum Management 1K-105
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Experimental License Request Purpose:

The purpose of this request is to conduct testing and analysis of the radiated field effects of 5G Cellular on aircraft. This testing is required to determine the potential impacts of 5G cellular transmissions in the altimeter equipment frequency band of 4200-4400 MHz.

Frequency Band	Emission Type	Emission	Dwell Time	Step Size	Radiated Power
4200-4400 MHz	Stepped CW	500KN0N	10 μ Sec	1 MHz	1 Watt

Table 1: Frequency Bands of Interest and Emissions

City	State	Latitude	Longitude	OperationRadius
Marana	AZ	32-30-32 N	111-19-27 W	2 kilometers

Table 2: Locations of Operation
(note: test to be conducted on the ground, on airport facility)

Stop Buzzer: The Stop Buzzer for this operation will be Ryan Carlson at 206-218-9479.