

Carolina West Wireless

Application for STA for Experimental Authority To Undertake Testing in the 3550 - 3700 MHz Band

Narrative Statement

Carolina West Wireless (“CWW”) seeks an STA for experimental authority to undertake testing of temporary-fixed and mobile operations in the 3550 – 3700 MHz band. CWW is an established wireless telecommunications service provider, serving primarily rural areas of western North Carolina.

CWW seeks to undertake testing for from August 9, 2019 – February 10, 2020, a period of six (6) months.

CWW seeks to test the SAS system administered by Federated Wireless.

CWW also seeks to assess the propagation characteristics and real-world throughput of wireless operations in the CBRS band.

CWW will comply with the power limits and out-of-band emission limits set forth in the Part 96 rules for Category B CBSDs.

CWW will undertake prior coordination with registered terrestrial microwave links in the 3650 – 3700 MHz band.

Device Specifications

Device Type	Manufacturer	Input Power	Maximum ERP
Access Point (Base Station)	Ericsson 2208	10 watts	20.6 watts
Remote Unit (mobile)	BEC 6900	0.2 watts	3.85 watts
Remote Unit (mobile)	BEC 6500	0.2 watts	0.2 watts
Remote Unit (mobile)	BEC MX240	0.2 watts	0.2 watts