AFTRCC-FAA Swap Project for 8.33 KHz Channels

The Boeing Company

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by

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Why an Experimental License is Necessary

An experimental license is required in order to continue using the 8.33/25 KHz channels for flight testing purposes. The FAA and AFTRCC provided coordination for this testing. This experimental license application is being filed in conjunction with the STA extension of WC9XYE, which initially authorized use of these frequencies/emissions.

Purpose of Operation

The FAA and AFTRCC have authorized the use of 50 KHz of spectrum in the 136 MHz band for the evaluation/use of 8.33 and 25 KHz channels for Flight Test operations. A copy of the email correspondence between Mr. Balanga and the AFTRCC Point of Contact for the use of these channels is included as part of this application. The equipment to be used will be various models of dual mode (8.33/25KHz) portable (hand held), mobile (air and ground) and base station (ground) radios that are FCC Part 87 certified for 25 KHz operations with emission designator 6K00A3E, and meet ICAO standards for 8.33 KHz operations with emission designator 5K00A3E.

AFTRCC and FAA Coordination

See coordination Exhibit.

Frequencies, Power and Emission

Note: In addition to the 25 kHz spacing for 136.225 and 136.250 with emission designator 6K00A3E, we are including the 8.33 frequencies with emission designator 5K00A3E that are contained within the two 25 kHz channels for a total of six 8.33 frequencies.

Channel - Frequency	- Emission	- RF Power	- Station Class	- Frequency Tolerance
136.215 - 136.2167	5K00A3A	50 watts	FX	0.0001 %
	5K00A3A	20 watts	MO	0.0005 %
136.230 - 136.2250	5K00A3A	50 watts	FX	0.0001 %
	6K00A3E	50 watts	FX	0.0001 %
	5K00A3A	20 watts	MO	0.0005 %
	6K00A3E	20 watts	MO	0.0005 %
136.235 - 136.2333	5K00A3A	50 watts	FX	0.0001 %
	5K00A3A	20 watts	MO	0.0005 %
136.240 - 136.2417	5K00A3A	50 watts	FX	0.0001 %

	5K00A3A	20 watts	MO	0.0005 %
136.255 - 136.2500	5K00A3A	50 watts	FX	0.0001 %
	6K00A3A	50 watts	FX	0.0001 %
	5K00A3A	20 watts	MO	0.0005 %
	6K00A3A	20 watts	MO	0.0005 %
136.260 - 136.2583	5K00A3A	50 watts	FX	0.0001 %
	5K00A3A	20 watts	MO	0.0005 %

Locations

St. Louis, MO
250 miles radius of
Coordinates: 38-45-4.1N 090-21-23.8 W
Altitude: Surface to 50,000 feet
Units: 3 FX, 10 MO

Wichita, KA
250 miles radius of
Coordinates: 37-37-39 N 097-16-40 W
Altitude: Surface to 50,000 feet
Units: 3 FX, 10 MO

Seattle, WA
250 miles radius of
Coordinates: 47-32-21N 122-18-44 W
Altitude: Surface to 50,000 feet
Units: 3 FX, 10 MO

Everett, WA
250 miles radius of
Coordinates: 47-55-32 N 122-16-28 W
Altitude: Surface to 50,000 feet
Units: 3 FX, 10 MO

Renton, WA
250 miles radius of
Coordinates: 47-29-54 N 122-13-06 W
Altitude: Surface to 50,000 feet
Units: 3 FX, 10 MO

West Tiger Mountain, WA
250 miles radius of
Coordinates: 47-30-16 N 121-58-20 W
Altitude: Surface to 50,000 feet
Units: 3 FX, 10 MO

Moses Lake, WA
250 miles radius of
Coordinates: 47-12-07 N 119-17-54 W
Altitude: Surface to 50,000 feet
Units: 3 FX, 10 MO

Glasgow, MT
250 miles radius of
Coordinates: 48-25-21 N 106-32-10 W
Altitude: Surface to 50,000 feet
Units: 3 FX, 10 MO

Schedule

At any time, 24 hours a day, 7 days a week, as needed.

Stop Buzzer Contact Information

St. Louis, MO

Pitcher, James, D; Flight Operations Radio; 314-232-2917
Neumeister, Brian, K; Flight Operations Radio; 314-232-2917

Wichita, KA

Claussen, Robert W; Manager; 316-977-1762
Woodson, Frank L; Primary Tower Operator; 316-977-2970

Seattle, WA
Everett, WA
Renton, WA
West Tiger Mountain, WA
Moses Lake, WA
Glasgow, MT

Thomas F. Fisher (Primary) (206) 544-2348
Roger Fletcher (Alternate) (206) 544-2345

Equipment and Antennas

Generic Part 87 certified equipment.