

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL
(Nature of Service)

WG2XOQ
(Call Sign)

XT FX MO
(Class of Station)

0245-EX-CR-2019
(File Number)

NAME The BOEING Company

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered around NL 48-24-22; WL 106-31-58
- (2) Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, centered around NL 47-13-03; WL 119-17-18
- (3) Lynnwood (SNOHOMISH), WA - NL 47-51-01; WL 122-14-40; MOBILE: Flight 15000 ft AGL, Lynnwood, WA, within 65 km, centered around NL 47-51-01; WL 122-14-40
- (4) Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 6000 ft AGL, Greenville, TX, within 65 km, centered around NL 33-04-20; WL 96-04-37

Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	NON	1.1 W (ERP)	
500-755 MHz	MO	NON	1.1 W (ERP)	
500-755 MHz	FX	1M00P0N	1.1 W (ERP)	

This authorization effective August 01, 2019 and
will expire 3:00 A.M. EST August 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	500KP0N	1.1 W (ERP)	
500-755 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
806-931 MHz	MO	N0N	1.1 W (ERP)	
806-931 MHz	FX	N0N	1.1 W (ERP)	
806-931 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
806-931 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	MO	N0N	1.1 W (ERP)	
945-959 MHz	FX	N0N	1.1 W (ERP)	
945-959 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	FX	1M00P0N	1.1 W (ERP)	

Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
945-959 MHz	FX	500KP0N	1.1 W (ERP)	
1526-1544 MHz	MO	N0N	1.1 W (ERP)	
1526-1544 MHz	FX	N0N	1.1 W (ERP)	
1526-1544 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	MO	N0N	1.1 W (ERP)	
1611-1645 MHz	FX	N0N	1.1 W (ERP)	
1611-1645 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	

Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1662-2309 MHz	MO	N0N	1.1 W (ERP)	
1662-2309 MHz	FX	N0N	1.1 W (ERP)	
1662-2309 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1662-2309 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	MO	N0N	1.1 W (ERP)	
2391-2699 MHz	FX	N0N	1.1 W (ERP)	
2391-2699 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	N0N	1.1 W (ERP)	

Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2901-2999.9 MHz	FX	N0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
3701-4199 MHz	MO	N0N	19.3 W (ERP)	
3701-4199 MHz	FX	N0N	19.3 W (ERP)	
3701-4199 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
3701-4199 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	MO	N0N	19.3 W (ERP)	
4401-4999 MHz	FX	N0N	19.3 W (ERP)	
4401-4999 MHz	MO	1M00P0N	19.3 W (ERP)	

Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4401-4999 MHz	MO	500KP0N	19.3 W (ERP)	
4401-4999 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	MO	N0N	19.3 W (ERP)	
5251-5599 MHz	FX	N0N	19.3 W (ERP)	
5251-5599 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	N0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	N0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	1M00P0N	19.3 W (ERP)	

Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5651-5999.9 MHz	FX	500KP0N	19.3 W (ERP)	
6000-7124 MHz	MO	N0N	61 W (ERP)	
6000-7124 MHz	FX	N0N	61 W (ERP)	
6000-7124 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
6000-7124 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	MO	N0N	61 W (ERP)	
8501-8999 MHz	FX	N0N	61 W (ERP)	
8501-8999 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered ar

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9201-9299 MHz	MO	N0N	61 W (ERP)	
9201-9299 MHz	FX	N0N	61 W (ERP)	
9201-9299 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	MO	N0N	61 W (ERP)	
9501-14349 MHz	FX	N0N	61 W (ERP)	
9501-14349 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	MO	N0N	61 W (ERP)	

Frequency Information

Glasgow (VALLEY), MT - NL 48-24-22; WL 106-31-58; MOBILE: Flight 15000 ft AGL, Glasgow, MT, within 65 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15400-15699 MHz	FX	N0N	61 W (ERP)	
15400-15699 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	MO	N0N	61 W (ERP)	
16201-18000 MHz	FX	N0N	61 W (ERP)	
16201-18000 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, centered at

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	N0N	1.1 W (ERP)	

Frequency Information

Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	MO	N0N	1.1 W (ERP)	
500-755 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
500-755 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
806-931 MHz	MO	N0N	1.1 W (ERP)	
806-931 MHz	FX	N0N	1.1 W (ERP)	
806-931 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
806-931 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	MO	N0N	1.1 W (ERP)	
945-959 MHz	FX	N0N	1.1 W (ERP)	
945-959 MHz	MO	1M00P0N	1.1 W (ERP)	

Frequency Information

Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
945-959 MHz	MO	500KP0N	1.1 W (ERP)	
945-959 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	MO	N0N	1.1 W (ERP)	
1526-1544 MHz	FX	N0N	1.1 W (ERP)	
1526-1544 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	MO	N0N	1.1 W (ERP)	
1611-1645 MHz	FX	N0N	1.1 W (ERP)	
1611-1645 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	FX	1M00P0N	1.1 W (ERP)	

Frequency Information

Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1611-1645 MHz	FX	500KP0N	1.1 W (ERP)	
1662-2309 MHz	MO	N0N	1.1 W (ERP)	
1662-2309 MHz	FX	N0N	1.1 W (ERP)	
1662-2309 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1662-2309 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	MO	N0N	1.1 W (ERP)	
2391-2699 MHz	FX	N0N	1.1 W (ERP)	
2391-2699 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	

Frequency Information

Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2901-2999.9 MHz	MO	N0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	N0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
3701-4199 MHz	MO	N0N	19.3 W (ERP)	
3701-4199 MHz	FX	N0N	19.3 W (ERP)	
3701-4199 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
3701-4199 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	MO	N0N	19.3 W (ERP)	

Frequency Information

Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4401-4999 MHz	FX	N0N	19.3 W (ERP)	
4401-4999 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	MO	N0N	19.3 W (ERP)	
5251-5599 MHz	FX	N0N	19.3 W (ERP)	
5251-5599 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	N0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	N0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	1M00P0N	19.3 W (ERP)	

Frequency Information

Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5651-5999.9 MHz	MO	500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
6000-7124 MHz	MO	N0N	61 W (ERP)	
6000-7124 MHz	FX	N0N	61 W (ERP)	
6000-7124 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
6000-7124 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	MO	N0N	61 W (ERP)	
8501-8999 MHz	FX	N0N	61 W (ERP)	
8501-8999 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	FX	1M00P0N	61 W (ERP)	

Frequency Information

Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8501-8999 MHz	FX	500KP0N	61 W (ERP)	
9201-9299 MHz	MO	N0N	61 W (ERP)	
9201-9299 MHz	FX	N0N	61 W (ERP)	
9201-9299 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	MO	N0N	61 W (ERP)	
9501-14349 MHz	FX	N0N	61 W (ERP)	
9501-14349 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Frequency Information

Moses Lake (GRANT), WA - NL 47-13-03; WL 119-17-18; MOBILE: Flight 15000 ft AGL, Moses Lake WA, within 65 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15400-15699 MHz	MO	N0N	61 W (ERP)	
15400-15699 MHz	FX	N0N	61 W (ERP)	
15400-15699 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	MO	N0N	61 W (ERP)	
16201-18000 MHz	FX	N0N	61 W (ERP)	
16201-18000 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Frequency Information

Lynnwood (SNOHOMISH), WA - NL 47-51-01; WL 122-14-40; MOBILE: Flight 15000 ft AGL, Lynnwood, WA, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	N0N	1.1 W (ERP)	
500-755 MHz	MO	N0N	1.1 W (ERP)	
500-755 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
500-755 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
806-931 MHz	MO	N0N	1.1 W (ERP)	
806-931 MHz	FX	N0N	1.1 W (ERP)	
806-931 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
806-931 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	MO	N0N	1.1 W (ERP)	

Frequency Information

Lynnwood (SNOHOMISH), WA - NL 47-51-01; WL 122-14-40; MOBILE: Flight 15000 ft AGL, Lynnwood, WA, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
945-959 MHz	FX	N0N	1.1 W (ERP)	
945-959 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	MO	N0N	1.1 W (ERP)	
1526-1544 MHz	FX	N0N	1.1 W (ERP)	
1526-1544 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	MO	N0N	1.1 W (ERP)	
1611-1645 MHz	FX	N0N	1.1 W (ERP)	
1611-1645 MHz	MO	1M00P0N	1.1 W (ERP)	

Frequency Information

Lynnwood (SNOHOMISH), WA - NL 47-51-01; WL 122-14-40; MOBILE: Flight 15000 ft AGL, Lynnwood, WA, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1611-1645 MHz	MO	500KP0N	1.1 W (ERP)	
1611-1645 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1662-2309 MHz	MO	N0N	1.1 W (ERP)	
1662-2309 MHz	FX	N0N	1.1 W (ERP)	
1662-2309 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1662-2309 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	MO	N0N	1.1 W (ERP)	
2391-2699 MHz	FX	N0N	1.1 W (ERP)	
2391-2699 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	FX	1M00P0N	1.1 W (ERP)	

Frequency Information

Lynnwood (SNOHOMISH), WA - NL 47-51-01; WL 122-14-40; MOBILE: Flight 15000 ft AGL, Lynnwood, WA, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2699 MHz	FX	500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	N0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	N0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
3701-4199 MHz	MO	N0N	19.3 W (ERP)	
3701-4199 MHz	FX	N0N	19.3 W (ERP)	
3701-4199 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
3701-4199 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	

Frequency Information

Lynnwood (SNOHOMISH), WA - NL 47-51-01; WL 122-14-40; MOBILE: Flight 15000 ft AGL, Lynnwood, WA, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4401-4999 MHz	MO	N0N	19.3 W (ERP)	
4401-4999 MHz	FX	N0N	19.3 W (ERP)	
4401-4999 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	MO	N0N	19.3 W (ERP)	
5251-5599 MHz	FX	N0N	19.3 W (ERP)	
5251-5599 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	N0N	19.3 W (ERP)	

Frequency Information

Lynnwood (SNOHOMISH), WA - NL 47-51-01; WL 122-14-40; MOBILE: Flight 15000 ft AGL, Lynnwood, WA, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5651-5999.9 MHz	FX	N0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
6000-7124 MHz	MO	N0N	61 W (ERP)	
6000-7124 MHz	FX	N0N	61 W (ERP)	
6000-7124 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
6000-7124 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	MO	N0N	61 W (ERP)	
8501-8999 MHz	FX	N0N	61 W (ERP)	
8501-8999 MHz	MO	1M00P0N	61 W (ERP)	

Frequency Information

Lynnwood (SNOHOMISH), WA - NL 47-51-01; WL 122-14-40; MOBILE: Flight 15000 ft AGL, Lynnwood, WA, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8501-8999 MHz	MO	500KP0N	61 W (ERP)	
8501-8999 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	MO	N0N	61 W (ERP)	
9201-9299 MHz	FX	N0N	61 W (ERP)	
9201-9299 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	MO	N0N	61 W (ERP)	
9501-14349 MHz	FX	N0N	61 W (ERP)	
9501-14349 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	FX	1M00P0N	61 W (ERP)	

Frequency Information

Lynnwood (SNOHOMISH), WA - NL 47-51-01; WL 122-14-40; MOBILE: Flight 15000 ft AGL, Lynnwood, WA, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9501-14349 MHz	FX	500KP0N	61 W (ERP)	
15400-15699 MHz	MO	N0N	61 W (ERP)	
15400-15699 MHz	FX	N0N	61 W (ERP)	
15400-15699 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	MO	N0N	61 W (ERP)	
16201-18000 MHz	FX	N0N	61 W (ERP)	
16201-18000 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Frequency Information

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 6000 ft AGL, Greenville, TX, within 65 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	N0N	1.1 W (ERP)	
500-755 MHz	MO	N0N	1.1 W (ERP)	
500-755 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
500-755 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
806-931 MHz	MO	N0N	1.1 W (ERP)	
806-931 MHz	FX	N0N	1.1 W (ERP)	
806-931 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
806-931 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	MO	N0N	1.1 W (ERP)	

Frequency Information

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 6000 ft AGL, Greenville, TX, within 65 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
945-959 MHz	FX	N0N	1.1 W (ERP)	
945-959 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	MO	N0N	1.1 W (ERP)	
1526-1544 MHz	FX	N0N	1.1 W (ERP)	
1526-1544 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	MO	N0N	1.1 W (ERP)	
1611-1645 MHz	FX	N0N	1.1 W (ERP)	
1611-1645 MHz	MO	1M00P0N	1.1 W (ERP)	

Frequency Information

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 6000 ft AGL, Greenville, TX, within 65 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1611-1645 MHz	MO	500KP0N	1.1 W (ERP)	
1611-1645 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1662-2309 MHz	MO	N0N	1.1 W (ERP)	
1662-2309 MHz	FX	N0N	1.1 W (ERP)	
1662-2309 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1662-2309 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	MO	N0N	1.1 W (ERP)	
2391-2699 MHz	FX	N0N	1.1 W (ERP)	
2391-2699 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	FX	1M00P0N	1.1 W (ERP)	

Frequency Information

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 6000 ft AGL, Greenville, TX, within 65 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2699 MHz	FX	500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	N0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	N0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
3701-4199 MHz	MO	N0N	19.3 W (ERP)	
3701-4199 MHz	FX	N0N	19.3 W (ERP)	
3701-4199 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
3701-4199 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	

Frequency Information

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 6000 ft AGL, Greenville, TX, within 65 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4401-4999 MHz	MO	N0N	19.3 W (ERP)	
4401-4999 MHz	FX	N0N	19.3 W (ERP)	
4401-4999 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	MO	N0N	19.3 W (ERP)	
5251-5599 MHz	FX	N0N	19.3 W (ERP)	
5251-5599 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	N0N	19.3 W (ERP)	

Frequency Information

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 6000 ft AGL, Greenville, TX, within 65 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5651-5999.9 MHz	FX	N0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
6000-7124 MHz	MO	N0N	61 W (ERP)	
6000-7124 MHz	FX	N0N	61 W (ERP)	
6000-7124 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
6000-7124 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	MO	N0N	61 W (ERP)	
8501-8999 MHz	FX	N0N	61 W (ERP)	
8501-8999 MHz	MO	1M00P0N	61 W (ERP)	

Frequency Information

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 6000 ft AGL, Greenville, TX, within 65 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8501-8999 MHz	MO	500KP0N	61 W (ERP)	
8501-8999 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	MO	N0N	61 W (ERP)	
9201-9299 MHz	FX	N0N	61 W (ERP)	
9201-9299 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	MO	N0N	61 W (ERP)	
9501-14349 MHz	FX	N0N	61 W (ERP)	
9501-14349 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	FX	1M00P0N	61 W (ERP)	

Frequency Information

Greenville (HUNT), TX - NL 33-04-20; WL 96-04-37; MOBILE: Flight 6000 ft AGL, Greenville, TX, within 65 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9501-14349 MHz	FX	500KP0N	61 W (ERP)	
15400-15699 MHz	MO	N0N	61 W (ERP)	
15400-15699 MHz	FX	N0N	61 W (ERP)	
15400-15699 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	MO	N0N	61 W (ERP)	
16201-18000 MHz	FX	N0N	61 W (ERP)	
16201-18000 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (5) Operation is NOT PERMITTED using the following frequency bands: 608-614 MHz, 756-806 MHz, 1401-1427 MHz, 3000-3649 MHz, 10000-10500 MHz and 15351-15400 MHz.
- (6) Operation must obtain consent from the Advanced Wireless Service licensees prior to operation in 1710-1755 MHz, 1915-1920 MHz, 1995-2000 MHz, 2020-2025 MHz, 2110-2180 MHz.
- (7) Operation is subject to prior coordinate with the local Society Broadcast Engineers, Inc. frequency coordinator and the Fixed Microwave Service licensees before operation in the rest of the proposed frequencies.
- (8) Operation the frequency band 2500-2690 MHz requires consent of affected Education Broadband Service/Broadband Radio service (EBS/BRS) licensees.
- (9) The licensee shall not constrain or limit the present or future growth of non-Federal and Federal radio services in the area of operation. Furthermore, the licensee shall
 - a- Be responsible for remedying RF interference caused to non-Federal and Federal users including terminating transmissions if necessary to resolve interference.
 - b- Maintain a transmission log as a standard operating procedure.
 - c- Periodically check the FCC licensing databases to monitor the authorizations granted in the area of operation.
 - d- Notify appropriate the FCC Field Office(s) of the test locations and duration of operation.
 - e- The stop buzzer for this authorization is Harold Wehrman at 425-234-9643.

Special Conditions:

- (10) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 175 miles of the contours of the testing area:
- 700 MHz Lower Band licensees (698-746 MHz)
 - 700 MHz Upper Band licensees (746-758 MHz and 775-788 MHz)
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - B/ILT licensees (896-901 MHz/935-940 MHz)
 - Narrowband PCS licensees (901-902/930-931/940-941 MHz)
 - Location & Monitoring Service licensees (902-928 MHz)
 - Paging Service licensees in 929 MHz and 931 MHz
 - 1670-1675 MHz Band licensee (Crown Castle International,) and the lessee (Ligado Networks)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
 - WCS (2305-2320 MHz/2345-2360 MHz) licensee (AT&T)
- (11) Prior to commencing any operations in Aeronautical and Fixed frequencies (2360-2395 MHz), the applicant must coordinate with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC).
- (12) WTB/Mobility Division does NOT authorize airborne use in 2305-2310 MHz frequencies due to an explicit airborne prohibition in their rules.
- (13) WTB/Mobility Division does NOT authorize airborne use of the Cellular frequencies (824-849 MHz/869-894 MHz) due to an explicit airborne prohibition in their rules.