

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

EXPERIMENTAL

(Nature of Service)

WG2XVN

(Call Sign)

XT MO

(Class of Station)

0150-EX-ML-2015

(File Number)

NAME AeroVironment, Inc.

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) MOBILE: Ground Based Locations, 3.22km center, Daggett, CA, within 3.22 km, centered around NL 34-52-18; WL 116-49-49
- (2) MOBILE: Airborne UAV operations 3.2km of center 152.4m AGL, Daggett, CA, within 3.22 km, centered around NL 34-52-18; WL 116-49-49
- (3) MOBILE: Ground Based Locations, 8.94km of center, Sherrills Ford, NC, within 8.94 km, centered around NL 35-35-56; WL 80-57-59
- (4) MOBILE: Airborne UAV operations, 8.94km center, 152.4m AGL, Sherrills Ford, NC, within 8.94 km, centered around NL 35-35-56; WL 80-57-59
- (5) MOBILE: Ground Based Locations, .5 km of center, Kansas City, MO, within 0.5 km, centered around NL 39-06-46; WL 94-35-09
- (6) MOBILE: Airborne UAV operations, .5km center, 152.4AGL, Kansas City, MO, within 0.5 km, centered around NL 39-06-46; WL 94-35-09
- (7) MOBILE: Ground Based Locations 1 km of center, Sibley, MO, within 1 km, centered around NL 39-10-47; WL 94-10-46
- (8) MOBILE: Airborne UAV operations, 1 km center, 121.92m AGL, Sibley, MO, within 1 km, centered around NL 39-10-47; WL 94-10-46
- (9) MOBILE: Ground Based Locations, 1 km of center, Harrison, ND, within 1 km, centered around NL 48-13-45; WL 101-23-07
- (10) MOBILE: Airborne UAV operations, 1 km center, 152.4m AGL, Harrison, ND, within 1 km, centered around NL 48-13-45; WL 101-23-07
- (11) MOBILE: Ground Based Locations within 1.85km center, Bismarck, ND, within 1.85 km, centered around NL 46-49-05; WL 100-49-35
- (12) MOBILE: Airborne UAV operations, 1.85 km center, 152.4 AGL, Bismarck, ND, within 1.85 km, centered around NL 46-49-05; WL 100-49-35
- (13) MOBILE: Ground Based Locations 1 km of center, Valley City, ND, within 1 km, centered around NL 46-56-19; WL 97-59-27

This authorization effective July 08, 2015 and
will expire 3:00 A.M. EST December 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (14) MOBILE: Airborne UAV operations 1km center, 152.4m AGL, Valley City, ND, within 1 km, centered around NL 46-56-19; WL 97-59-27
- (15) MOBILE: Ground Based Locations, 1km center, Broadview, ND, within 1 km, centered around NL 47-15-55; WL 98-00-37
- (16) MOBILE: Airborne UAV operations, 1 km center, 152.4m AGL, Broadview, ND, within 1 km, centered around NL 47-15-55; WL 98-00-37
- (17) MOBILE: Ground Based Locations, 1.5km center, Sandpoint, ID, within 1.5 km, centered around NL 48-15-34; WL 116-31-49
- (18) MOBILE: Airborne UAV operations, 1.5km center, Sandpoint, ID, within 1.5 km, centered around NL 48-15-34; WL 116-31-49
- (19) MOBILE: Ground Based Locations within 5 km of center, Canyon Diablo, AZ, within 5 km, centered around NL 35-10-00; WL 111-07-37
- (20) MOBILE: Airborne UAV operations 5 km of center 152.4m AGL, Canyon Diablo, AZ, within 5 km, centered around NL 35-10-00; WL 111-07-37
- (21) MOBILE: Ground Based Locations within 1km center, Memphis,TN, within 1 km, centered around NL 35-07-44; WL 90-04-33
- (22) MOBILE: Airborne UAV operations 1km center, 152.4 AGL, Memphis, TN, within 1 km, centered around NL 35-07-44; WL 90-04-33
- (23) MOBILE: Ground Based Locations, 1 km center, Java, MT, within 1 km, centered around NL 48-14-27; WL 113-34-16
- (24) MOBILE: Airborne UAV operations 1km center, 121.92m AGL, Java, MT, within 1 km, centered around NL 48-14-27; WL 113-34-16
- (25) MOBILE: Ground Based Locations within 1km center, East Glacier, MT, within 1 km, centered around NL 48-27-15; WL 113-12-37
- (26) MOBILE: Airborne UAV operations, 1km center, 152.4m AGL, East Glacier, MT, within 1 km, centered around NL 48-27-15; WL 113-12-37
- (27) MOBILE: Ground Based Locations, 3.52km center, Lompoc, CA, within 3.52 km, centered around NL 34-35-38; WL 120-20-21
- (28) MOBILE: Airborne UAV operations, 1.5km center, 121.92m AGL, Lompoc, CA, within 1.5 km, centered around NL 34-35-38; WL 120-20-21
- (29) MOBILE: Ground Based Locations within 1.5km center, Santa Ynez, CA, within 1.5 km, centered around NL 34-35-00; WL 120-03-15
- (30) MOBILE: Airborne UAV operations, 1.5km center, Santa Ynez, CA, within 1.5 km, centered around NL 34-35-00; WL 120-03-15
- (31) MOBILE: Ground Based Locations, 1 km of center, Modesto, CA, within 1 km, centered around NL 37-39-33; WL 120-52-24
- (32) MOBILE: Airborne UAV operations, 1km center, 121.92m AGL, Modesto, CA, within 1 km, centered around NL 37-39-33; WL 120-52-24
- (33) MOBILE: Ground Based Locations within 12 km of center, within 12 km, centered around NL 34-19-23; WL 118-51-35
- (34) MOBILE: Airborne UAV operations 12 km of center 152m AGL, within 12 km, centered around NL 34-19-23; WL 118-51-35
- (35) MOBILE: Ground Based Locations within 40km of center, within 40 km, centered around NL 35-50-51; WL 121-05-22
- (36) MOBILE: Airborne UAV operations 40 km of center 1524m AGL, within 40 km, centered around NL 35-50-51; WL 121-05-22
- (37) MOBILE: Ground/water operations 50km center, within 50 km, centered around NL 71-15-00; WL 149-00-00

Station Locations

- (38) MOBILE: Ground Based Locations within 30km of center, within 30 km, centered around NL 34-54-29; WL 117-53-07
- (39) MOBILE: Airborne UAV operations 30 km of center 1524m AGL, within 30 km, centered around NL 34-54-29; WL 117-53-07
- (40) MOBILE: Ground Based Locations within 5 km of center, within 5 km, centered around NL 34-07-09; WL 119-07-10
- (41) MOBILE: Airborne UAV operations 5 km of center 1524m AGL, within 5 km, centered around NL 34-07-09; WL 119-07-10
- (42) MOBILE: Ground Based Locations within 10km of center, within 10 km, centered around NL 35-07-10; WL 79-18-35
- (43) MOBILE: Airborne UAV operations 10 km of center 762m AGL, within 10 km, centered around NL 35-07-10; WL 79-18-35
- (44) MOBILE: Ground Based Locations within 50 km of center, within 50 km, centered around NL 70-25-00; WL 148-50-00
- (45) MOBILE: Airborne UAV operations 50 km of center 1524m AGL, within 50 km, centered around NL 70-25-00; WL 148-50-00
- (46) MOBILE: Ground Based Locations within 4 km of center, within 4 km, centered around NL 32-30-58; WL 114-41-54
- (47) MOBILE: Airborne UAV operations 4 km of center 609.6m AGL, within 4 km, centered around NL 32-30-58; WL 114-41-54
- (48) MOBILE: Ground Based Locations within 5 km of center, within 5 km, centered around NL 34-25-56; WL 119-11-58
- (49) MOBILE: Airborne UAV operations 5km of center 121.92 m AGL, within 5 km, centered around NL 34-25-56; WL 119-11-58
- (50) MOBILE: Ground Based Locations within 5km of center, within 5 km, centered around NL 34-18-21; WL 119-18-08
- (51) MOBILE: Airborne UAV operations 5km center 121.92m AGL, within 5 km, centered around NL 34-18-21; WL 119-18-08
- (52) MOBILE: Ground Based Locations within 18.52km of center, within 18.52 km, centered around NL 36-10-23; WL 120-23-08
- (53) MOBILE: Airborne UAV operations 18.52km center 121.92m AGL, within 18.52 km, centered around NL 36-10-23; WL 120-23-08
- (54) MOBILE: Grnd Based Locations wtn 37.04km Cnt, ex Kern NWR, within 37.04 km, centered around NL 35-36-20; WL 119-42-20
- (55) MOBILE: Airborne 37.04km ctr 121.92mAGL ex Kern NWR, within 37.04 km, centered around NL 35-36-20; WL 119-42-20
- (56) MOBILE: Ground Based Locations within 18.52km of center, within 18.52 km, centered around NL 35-16-35; WL 119-36-08
- (57) MOBILE: Airborne UAV operations 18.52km center 121.92m AGL, within 18.52 km, centered around NL 35-16-35; WL 119-36-08
- (58) MOBILE: Ground Based Locations within 9.26km of center, within 9.26 km, centered around NL 35-26-56; WL 118-59-21
- (59) MOBILE: Airborne UAV operations 9.26km center 121.92m AGL, within 9.26 km, centered around NL 35-26-56; WL 118-59-21
- (60) MOBILE: Ground Based Locations within 37.04km of center, within 37.04 km, centered around NL 35-39-38; WL 108-30-17
- (61) MOBILE: Airborne UAV operations 37.04km center 121.92m AGL, within 37.04 km, centered around NL 35-39-38; WL 108-30-17

Station Locations

- (62) MOBILE: Ground Locations 98.16km Center, 75.9km E/W, within 98.16 km, centered around NL 35-40-57; WL 112-44-21
- (63) MOBILE: Airborne, 98.16km ctr, 75.9km E/W, 121.92AGL, within 98.16 km, centered around NL 35-40-57; WL 112-44-21
- (64) MOBILE: Ground Based Locations within 46.3 km of center, within 46.3 km, centered around NL 36-28-14; WL 110-23-38
- (65) MOBILE: Airborne operations 46.3km of center 121.92m AGL, within 46.3 km, centered around NL 36-28-14; WL 110-23-38
- (66) MOBILE: Airborne UAV operations 50 km center 1524m AGL, within 50 km, centered around NL 71-15-00; WL 149-00-00

Frequency Information

MOBILE: Ground Based Locations, 3.22km center, Daggett, CA, within 3.22 km, centered around NL 34-52-18; WL 116-49-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 3.2km of center 152.4m AGL, Daggett, CA, within 3.22 km, centered around NL 34-52-18; WL 116-49-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W 1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations, 8.94km of center, Sherrills Ford, NC, within 8.94 km, centered around NL 35-35-56; WL 80-57-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations, 8.94km center, 152.4m AGL, Sherrills Ford, NC, within 8.94 km, centered around NL 35-35-56; WL 80-57-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations, .5 km of center, Kansas City, MO, within 0.5 km, centered around NL 39-06-46; WL 94-35-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations, .5km center, 152.4AGL, Kansas City, MO, within 0.5 km, centered around NL 39-06-46; WL 94-35-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations 1 km of center, Sibley, MO, within 1 km, centered around NL 39-10-47; WL 94-10-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations, 1 km center, 121.92m AGL, Sibley, MO, within 1 km, centered around NL 39-10-47; WL 94-10-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations, 1 km of center, Harrison, ND, within 1 km, centered around NL 48-13-45; WL 101-23-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations, 1 km center, 152.4m AGL, Harrison, ND, within 1 km, centered around NL 48-13-45; WL 101-23-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 1.85km center, Bismarck, ND, within 1.85 km, centered around NL 46-49-05; WL 100-49-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations, 1.85 km center, 152.4 AGL, Bismarck, ND, within 1.85 km, centered around NL 46-49-05; WL 100-49-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations 1 km of center, Valley City, ND, within 1 km, centered around NL 46-56-19; WL 97-59-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 1km center, 152.4m AGL, Valley City, ND, within 1 km, centered around NL 46-56-19; WL 97-59-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations, 1km center, Broadview, ND, within 1 km, centered around NL 47-15-55; WL 98-00-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations, 1 km center, 152.4m AGL, Broadview, ND, within 1 km, centered around NL 47-15-55; WL 98-00-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations, 1.5km center, Sandpoint, ID, within 1.5 km, centered around NL 48-15-34; WL 116-31-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations, 1.5km center, Sandpoint, ID, within 1.5 km, centered around NL 48-15-34; WL 116-31-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 5 km of center, Canyon Diablo, AZ, within 5 km, centered around NL 35-10-00; WL 111-07-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations 5 km of center 152.4m AGL, Canyon Diablo, AZ, within 5 km, centered around NL 35-10-00; WL 111-07-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 1km center, Memphis,TN, within 1 km, centered around NL 35-07-44; WL 90-04-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 1km center, 152.4 AGL, Memphis, TN, within 1 km, centered around NL 35-07-44; WL 90-04-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations, 1 km center, Java, MT, within 1 km, centered around NL 48-14-27; WL 113-34-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations 1km center, 121.92m AGL, Java, MT, within 1 km, centered around NL 48-14-27; WL 113-34-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 1km center, East Glacier, MT, within 1 km, centered around NL 48-27-15; WL 113-12-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations, 1km center, 152.4m AGL, East Glacier, MT, within 1 km, centered around NL 48-27-15; WL 113-12-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations, 3.52km center, Lompoc, CA, within 3.52 km, centered around NL 34-35-38; WL 120-20-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations, 1.5km center, 121.92m AGL, Lompoc, CA, within 1.5 km, centered around NL 34-35-38; WL 120-20-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 1.5km center, Santa Ynez, CA, within 1.5 km, centered around NL 34-35-00; WL 120-03-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations, 1.5km center, Santa Ynez, CA, within 1.5 km, centered around NL 34-35-00; WL 120-03-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations, 1 km of center, Modesto, CA, within 1 km, centered around NL 37-39-33; WL 120-52-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations, 1km center, 121.92m AGL, Modesto, CA, within 1 km, centered around NL 37-39-33; WL 120-52-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 12 km of center, within 12 km, centered around NL 34-19-23; WL 118-51-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 12 km of center 152m AGL, within 12 km, centered around NL 34-19-23; WL 118-51-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 40km of center, within 40 km, centered around NL 35-50-51; WL 121-05-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Airborne UAV operations 40 km of center 1524m AGL, within 40 km, centered around NL 35-50-51; WL 121-05-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground/water operations 50km center, within 50 km, centered around NL 71-15-00; WL 149-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 30km of center, within 30 km, centered around NL 34-54-29; WL 117-53-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 30 km of center 1524m AGL, within 30 km, centered around NL 34-54-29; WL 117-53-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Locations within 5 km of center, within 5 km, centered around NL 34-07-09; WL 119-07-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 5 km of center 1524m AGL, within 5 km, centered around NL 34-07-09; WL 119-07-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 10km of center, within 10 km, centered around NL 35-07-10; WL 79-18-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 10 km of center 762m AGL, within 10 km, centered around NL 35-07-10; WL 79-18-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Locations within 50 km of center, within 50 km, centered around NL 70-25-00; WL 148-50-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 50 km of center 1524m AGL, within 50 km, centered around NL 70-25-00; WL 148-50-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 4 km of center, within 4 km, centered around NL 32-30-58; WL 114-41-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 4 km of center 609.6m AGL, within 4 km, centered around NL 32-30-58; WL 114-41-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Locations within 5 km of center, within 5 km, centered around NL 34-25-56; WL 119-11-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 5km of center 121.92 m AGL, within 5 km, centered around NL 34-25-56; WL 119-11-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 5km of center, within 5 km, centered around NL 34-18-21; WL 119-18-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 5km center 121.92m AGL, within 5 km, centered around NL 34-18-21; WL 119-18-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Locations within 18.52km of center, within 18.52 km, centered around NL 36-10-23; WL 120-23-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 18.52km center 121.92m AGL, within 18.52 km, centered around NL 36-10-23; WL 120-23-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Grnd Based Locations wtn 37.04km Cnt, ex Kern NWR, within 37.04 km, centered around NL 35-36-20; WL 119-42-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne 37.04km ctr 121.92mAGL ex Kern NWR, within 37.04 km, centered around NL 35-36-20; WL 119-42-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Locations within 18.52km of center, within 18.52 km, centered around NL 35-16-35; WL 119-36-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 18.52km center 121.92m AGL, within 18.52 km, centered around NL 35-16-35; WL 119-36-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Based Locations within 9.26km of center, within 9.26 km, centered around NL 35-26-56; WL 118-59-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 9.26km center 121.92m AGL, within 9.26 km, centered around NL 35-26-56; WL 118-59-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Locations within 37.04km of center, within 37.04 km, centered around NL 35-39-38; WL 108-30-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 37.04km center 121.92m AGL, within 37.04 km, centered around NL 35-39-38; WL 108-30-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Ground Locations 98.16km Center, 75.9km E/W, within 98.16 km, centered around NL 35-40-57; WL 112-44-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne, 98.16km ctr, 75.9km E/W, 121.92AGL, within 98.16 km, centered around NL 35-40-57; WL 112-44-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Frequency Information

MOBILE: Ground Based Locations within 46.3 km of center, within 46.3 km, centered around NL 36-28-14; WL 110-23-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 kHz	MO	4M68G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne operations 46.3km of center 121.92m AGL, within 46.3 km, centered around NL 36-28-14; WL 110-23-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

MOBILE: Airborne UAV operations 50 km center 1524m AGL, within 50 km, centered around NL 71-15-00; WL 149-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1670-1675 MHz	MO	1M56G7W	10 W (ERP)	0.00012 %

Special Conditions:

- (1) 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.