

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WJ2XQV

(Call Sign)

0026-EX-TC-2020

(File Number)

NAME Dynetics, 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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Huntsville, AL, within 2 km, centered around NL 34-44-12; WL 86-41-23
- (2) MOBILE: 400 ft. AGL, Huntsville, AL, within 2 km, centered around NL 34-44-12; WL 86-41-23
- (3) MOBILE: Temporary Fixed Ground Operations, Harvest, AL, within 1.61 km, centered around NL 34-51-53; WL 86-46-13
- (4) MOBILE: 400 ft. AGL, Harvest, AL, within 1.61 km, centered around NL 34-51-53; WL 86-46-13
- (5) MOBILE: Temporary Fixed Ground Operations, Hurtsboro, AL, within 16.09 km, centered around NL 32-13-17; WL 85-28-18
- (6) MOBILE: 400 ft. AGL, Hurtsboro, AL, within 16.09 km, centered around NL 32-13-17; WL 85-28-18
- (7) MOBILE: Temporary Fixed Ground Operations, Rogersville, AL, within 1 km, centered around NL 34-53-14; WL 87-20-29
- (8) MOBILE: 400 ft. AGL, Rogersville, AL, within 1 km, centered around NL 34-53-14; WL 87-20-29
- (9) MOBILE: Temporary Fixed Ground Operations, Taft, TN, within 3 km, centered around NL 34-59-32; WL 86-38-57
- (10) MOBILE: 400 ft. AGL, Courtland, AL, within 3 km, centered around NL 34-40-02; WL 87-21-38
- (11) MOBILE: Temporary Fixed Ground Operations, Courtland, AL, within 3 km, centered around NL 34-40-02; WL 87-21-38
- (12) MOBILE: 400 ft. AGL, Taft, TN, within 3 km, centered around NL 34-59-32; WL 86-38-57
- (13) MOBILE: Temp Fixed Ground Operations Yuma Proving Ground, within 12 km, centered around NL 32-55-33; WL 113-45-27

This authorization effective January 30, 2020 and
will expire 3:00 A.M. EST October 01, 2020

FEDERAL
COMMUNICATIONS
COMMISSION



Station Locations

- (14) MOBILE: 1000 ft. AGL Yuma Proving Ground, within 12 km, centered around NL 32-55-33; WL 113-45-27
- (15) MOBILE: Temp Fixed Ground Operations, Redstone Arsenal, AL, within 5 km, centered around NL 34-36-17; WL 86-37-43
- (16) MOBILE: 1000 ft. AGL, Redstone Arsenal, AL, within 5 km, centered around NL 34-36-17; WL 86-37-43
- (17) MOBILE: Temporary Fixed Ground Operations, Eglin AFB, FL, within 15 km, centered around NL 30-38-19; WL 86-18-28
- (18) MOBILE: 1000 ft. AGL, Eglin AFB, within 15 km, centered around NL 30-38-19; WL 86-18-28
- (19) MOBILE: Temp Fixed Ground Operations, Yuma Proving Grounds, within 30 km, centered around NL 33-25-22; WL 114-17-46
- (20) MOBILE: 1000 ft. AGL, Yuma Proving Grounds, within 30 km, centered around NL 33-25-22; WL 114-17-46
- (21) MOBILE: Temp Fixed Ground Operations, Quantico Base, within 15 km, centered around NL 38-34-49; WL 77-26-08
- (22) MOBILE: 1000 ft. AGL, Quantico Base, VA, within 15 km, centered around NL 38-34-49; WL 77-26-08
- (23) MOBILE: Temp Fixed Ground Ops, White Sands Range, NM, within 30 km, centered around NL 33-43-27; WL 106-28-12
- (24) MOBILE: 1000 ft. AGL, White Sands Range, NM, within 30 km, centered around NL 33-43-27; WL 106-28-12
- (25) MOBILE: Temp Fixed Ground Operations, Dugway Proving Grnds, within 15 km, centered around NL 40-11-43; WL 112-56-24
- (26) MOBILE: 1000 ft. AGL, Dugway Proving Grnds, within 15 km, centered around NL 40-11-43; WL 112-56-24
- (27) MOBILE: Temp Fixed Ground Operations, MCAGCC, CA, within 15 km, centered around NL 34-17-44; WL 116-09-02
- (28) MOBILE: 1000 ft. AGL, MCAGCC, CA, within 15 km, centered around NL 34-17-44; WL 116-09-02
- (29) MOBILE: Temporary Fixed Ground Operations, Butlerville, IN, within 10 km, centered around NL 39-02-59; WL 85-31-44
- (30) MOBILE: 1000 ft. AGL, Butlerville, IN, within 10 km, centered around NL 39-02-59; WL 85-31-44
- (31) MOBILE: Temporary Fixed Ground Operations, Dahlgren, VA, within 10 km, centered around NL 38-19-40; WL 77-02-01
- (32) MOBILE: 1000 ft. AGL, Dahlgren, VA, within 10 km, centered around NL 38-19-40; WL 77-02-01
- (33) MOBILE: Temp Fixed Ground Operations, Pax River NAS, MD, within 10 km, centered around NL 38-08-24; WL 76-25-02
- (34) MOBILE: 1000 ft. AGL, Pax River NAS, MD, within 10 km, centered around NL 38-08-24; WL 76-25-02
- (35) MOBILE: Temp Fixed Ground Operations, Camp Roberts, CA, within 15 km, centered around NL 35-47-11; WL 120-47-09
- (36) MOBILE: 1000 ft. AGL, Camp Roberts, CA, within 15 km, centered around NL 35-47-11; WL 120-47-09
- (37) MOBILE: Temp Fixed Ground Operations, Avon Park AF Range, within 10 km, centered around NL 27-39-04; WL 81-20-46

Station Locations

- (38) MOBILE: 1000 ft. AGL, Avon Park AF Range, within 10 km, centered around NL 27-39-04; WL 81-20-46
- (39) MOBILE: Temp Fixed Ground Operations, Camp Shelby, MS, within 15 km, centered around NL 31-10-23; WL 89-09-41
- (40) MOBILE: 1000 ft. AGL, Camp Shelby, MS, within 15 km, centered around NL 31-10-23; WL 89-09-41
- (41) MOBILE: Temp Fixed Ground Operations, Eileson AFB, AK, within 40 km, centered around NL 64-39-49; WL 147-05-58
- (42) MOBILE: 1000 ft. AGL, Eileson AFB, AK, within 40 km, centered around NL 64-39-49; WL 147-05-58
- (43) MOBILE: Temp Fixed Ground Operations, Fort AP Hill, VA, within 15 km, centered around NL 38-04-11; WL 77-19-07
- (44) MOBILE: 1000 ft. AGL, Fort AP Hill, VA, within 15 km, centered around NL 38-04-11; WL 77-19-07
- (45) MOBILE: Temporary Fixed Ground Operations, Fort Bragg, NC, within 30 km, centered around NL 35-10-13; WL 79-00-55
- (46) MOBILE: 1000 ft. AGL, Fort Bragg, NC, within 30 km, centered around NL 35-10-13; WL 79-00-55
- (47) MOBILE: Temporary Fixed Ground Operations, Arnold AFB, TN, within 10 km, centered around NL 35-23-32; WL 86-05-09
- (48) MOBILE: 1000 ft. AGL, Arnold AFB, TN, within 10 km, centered around NL 35-23-32; WL 86-05-09
- (49) MOBILE: Temporary Fixed Ground Operations Eglin AFB, within 15 km, centered around NL 30-31-08; WL 86-46-55
- (50) MOBILE: 1000 ft. AGL Eglin AFB, within 15 km, centered around NL 30-31-08; WL 86-46-55

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Huntsville, AL, within 2 km, centered around NL 34-44-12; WL 86-41-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 400 ft. AGL, Huntsville, AL, within 2 km, centered around NL 34-44-12; WL 86-41-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D	1.6 W (ERP)	0.00015 %

Frequency Information

MOBILE: 400 ft. AGL, Huntsville, AL, within 2 km, centered around NL 34-44-12; WL 86-41-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Harvest, AL, within 1.61 km, centered around NL 34-51-53; WL 86-46-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 400 ft. AGL, Harvest, AL, within 1.61 km, centered around NL 34-51-53; WL 86-46-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Hurtsboro, AL, within 16.09 km, centered around NL 32-13-17; WL 85-28-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M34D1D 8M98D1D	4 W (ERP)	0.00015 %

Frequency Information

MOBILE: 400 ft. AGL, Hurtsboro, AL, within 16.09 km, centered around NL 32-13-17; WL 85-28-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Rogersville, AL, within 1 km, centered around NL 34-53-14; WL 87-20-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 400 ft. AGL, Rogersville, AL, within 1 km, centered around NL 34-53-14; WL 87-20-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Taft, TN, within 3 km, centered around NL 34-59-32; WL 86-38-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D	4 W (ERP)	0.00015 %

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Taft, TN, within 3 km, centered around NL 34-59-32; WL 86-38-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 400 ft. AGL, Courtland, AL, within 3 km, centered around NL 34-40-02; WL 87-21-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Courtland, AL, within 3 km, centered around NL 34-40-02; WL 87-21-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 400 ft. AGL, Taft, TN, within 3 km, centered around NL 34-59-32; WL 86-38-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

Frequency Information

MOBILE: Temp Fixed Ground Operations Yuma Proving Ground, within 12 km, centered around NL 32-55-33; WL 113-45-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M34D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL Yuma Proving Ground, within 12 km, centered around NL 32-55-33; WL 113-45-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M34D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Operations, Redstone Arsenal, AL, within 5 km, centered around NL 34-36-17; WL 86-37-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Redstone Arsenal, AL, within 5 km, centered around NL 34-36-17; WL 86-37-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D	1.6 W (ERP)	0.00015 %

Frequency Information

MOBILE: 1000 ft. AGL, Redstone Arsenal, AL, within 5 km, centered around NL 34-36-17; WL 86-37-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Eglin AFB, FL, within 15 km, centered around NL 30-38-19; WL 86-18-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Eglin AFB, within 15 km, centered around NL 30-38-19; WL 86-18-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Operations, Yuma Proving Grounds, within 30 km, centered around NL 33-25-22; WL 114-17-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

Frequency Information

MOBILE: 1000 ft. AGL, Yuma Proving Grounds, within 30 km, centered around NL 33-25-22; WL 114-17-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Operations, Quantico Base, within 15 km, centered around NL 38-34-49; WL 77-26-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Quantico Base, VA, within 15 km, centered around NL 38-34-49; WL 77-26-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Ops, White Sands Range, NM, within 30 km, centered around NL 33-43-27; WL 106-28-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D	4 W (ERP)	0.00015 %

Frequency Information

MOBILE: Temp Fixed Ground Ops, White Sands Range, NM, within 30 km, centered around NL 33-43-27; WL 106-28-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, White Sands Range, NM, within 30 km, centered around NL 33-43-27; WL 106-28-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Operations, Dugway Proving Grnds, within 15 km, centered around NL 40-11-43; WL 112-56-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Dugway Proving Grnds, within 15 km, centered around NL 40-11-43; WL 112-56-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

Frequency Information

MOBILE: Temp Fixed Ground Operations, MCAGCC, CA, within 15 km, centered around NL 34-17-44; WL 116-09-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, MCAGCC, CA, within 15 km, centered around NL 34-17-44; WL 116-09-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Butlerville, IN, within 10 km, centered around NL 39-02-59; WL 85-31-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Butlerville, IN, within 10 km, centered around NL 39-02-59; WL 85-31-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D	1.6 W (ERP)	0.00015 %

Frequency Information

MOBILE: 1000 ft. AGL, Butlerville, IN, within 10 km, centered around NL 39-02-59; WL 85-31-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Dahlgren, VA, within 10 km, centered around NL 38-19-40; WL 77-02-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Dahlgren, VA, within 10 km, centered around NL 38-19-40; WL 77-02-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Operations, Pax River NAS, MD, within 10 km, centered around NL 38-08-24; WL 76-25-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

Frequency Information

MOBILE: 1000 ft. AGL, Pax River NAS, MD, within 10 km, centered around NL 38-08-24; WL 76-25-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Operations, Camp Roberts, CA, within 15 km, centered around NL 35-47-11; WL 120-47-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Camp Roberts, CA, within 15 km, centered around NL 35-47-11; WL 120-47-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Operations, Avon Park AF Range, within 10 km, centered around NL 27-39-04; WL 81-20-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D	4 W (ERP)	0.00015 %

Frequency Information

MOBILE: Temp Fixed Ground Operations, Avon Park AF Range, within 10 km, centered around NL 27-39-04; WL 81-20-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Avon Park AF Range, within 10 km, centered around NL 27-39-04; WL 81-20-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Operations, Camp Shelby, MS, within 15 km, centered around NL 31-10-23; WL 89-09-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Camp Shelby, MS, within 15 km, centered around NL 31-10-23; WL 89-09-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

Frequency Information

MOBILE: Temp Fixed Ground Operations, Eileson AFB, AK, within 40 km, centered around NL 64-39-49; WL 147-05-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Eileson AFB, AK, within 40 km, centered around NL 64-39-49; WL 147-05-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temp Fixed Ground Operations, Fort AP Hill, VA, within 15 km, centered around NL 38-04-11; WL 77-19-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Fort AP Hill, VA, within 15 km, centered around NL 38-04-11; WL 77-19-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D	1.6 W (ERP)	0.00015 %

Frequency Information

MOBILE: 1000 ft. AGL, Fort AP Hill, VA, within 15 km, centered around NL 38-04-11; WL 77-19-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Fort Bragg, NC, within 30 km, centered around NL 35-10-13; WL 79-00-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL, Fort Bragg, NC, within 30 km, centered around NL 35-10-13; WL 79-00-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations, Arnold AFB, TN, within 10 km, centered around NL 35-23-32; WL 86-05-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

Frequency Information

MOBILE: 1000 ft. AGL, Arnold AFB, TN, within 10 km, centered around NL 35-23-32; WL 86-05-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M42D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Ground Operations Eglin AFB, within 15 km, centered around NL 30-31-08; WL 86-46-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	4 W (ERP)	0.00015 %

MOBILE: 1000 ft. AGL Eglin AFB, within 15 km, centered around NL 30-31-08; WL 86-46-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1850 MHz	MO	2M24D1D 4M43D1D 8M98D1D	1.6 W (ERP)	0.00015 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) This experiment is not for operational use below 1780 MHz.
- (4) The designated point of contact to terminate the system if interference occurs is Baron Johnson at (352) 339-5272 and Steve Norris at (256) 585-7885.

Special Conditions:

- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by DARPA, contract Number HR0011-17-9-0017. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) THE FOLLOWING CONDITION APPLIES TO THE OPERATION IN THE 1780-1850 MHZ BAND AT WHITE SANDS RANGE, NEW MEXICO.
 - a. OPERATIONS IN NEW MEXICO AND TEXAS (WEST OF 104W) MUST BE COORDINATED WITH AFC-WSMR AT LEAST 96 HRS PRIOR TO ACTIVATION VIA E-MAIL AT USARMY.WSMR.IMCOM-CENTRAL.LIST.DODAFAC(AT)MAIL.MIL.
- (7) COORDINATION WITH THE YPG SPECTRUM MANAGEMENT OFFICE (SMO) IS MANDATORY AT LEAST 14 CALENDAR DAYS PRIOR TO ANY INTENDED USE OF THIS FREQUENCY ON YPG OR WITHIN ITS RESTRICTED AIRSPACE BY CONTACTING THE YPG SMO AT 928-328-7144.
- (8) OPERATIONS MUST BE SCHEDULED AS A WSMR RANGE MISSION, THROUGH THE RANGE SPONSOR. FINAL AUTHORIZATION TO RADIATE IS CONTINGENT UPON SUCCESSFUL SCHEDULING AND DECONFLICTION OF SPECTRUM, AND AIRSPACE (IF REQUIRED) WITH OTHER AREA-WIDE OPERATIONS.
- (9) License is for demonstration and testing only.
- (10) Operations will not be simultaneous at all locations specified on the subject license.
- (11) A single team will deploy to and set up operations at only one location at a time.