

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WH2XHR

(Call Sign)

0077-EX-CR-2016

(File Number)

NAME IAP Worldwide Services, 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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Fort Dix Site 1, within 10 km, centered around NL 40-00-53; WL 74-26-19
- (2) MOBILE: Fort Dix Site 1, within 10 km, centered around NL 40-00-53; WL 74-26-19
- (3) MOBILE: Fort Bliss Site 2, within 10 km, centered around NL 32-24-41; WL 106-01-37
- (4) MOBILE: White Sands, NM, within 10 km, centered around NL 32-17-12; WL 106-18-07
- (5) MOBILE: Fort Hauchuca Site 1, within 10 km, centered around NL 31-30-17; WL 110-18-47
- (6) MOBILE: Fort Bliss Site 1, within 10 km, centered around NL 31-54-41; WL 106-09-18
- (7) MOBILE: Chaparral, NM, within 10 km, centered around NL 32-03-33; WL 106-11-31
- (8) MOBILE: APG Site 1, within 10 km, centered around NL 39-28-27; WL 76-08-48
- (9) MOBILE: Fort Bliss Site 2, within 10 km, centered around NL 32-24-41; WL 106-01-37
- (10) MOBILE: Fort Bliss Site 1, within 10 km, centered around NL 31-54-41; WL 106-09-18
- (11) MOBILE: Fort Huachuca Site 1, within 10 km, centered around NL 31-30-17; WL 110-18-47
- (12) MOBILE: White Sands, NM, within 10 km, centered around NL 32-17-12; WL 106-18-07
- (13) MOBILE: Chaparral, NM, within 10 km, centered around NL 32-03-33; WL 106-11-31
- (14) MOBILE: APG Site 1, within 10 km, centered around NL 39-28-27; WL 76-08-48
- (15) MOBILE: White Sands, NM, within 10 km, centered around NL 32-24-41; WL 106-18-07
- (16) MOBILE: Fort Bliss Site 1, within 10 km, centered around NL 31-54-41; WL 106-09-18
- (17) MOBILE: White Sands, NM, within 10 km, centered around NL 32-17-12; WL 106-18-07
- (18) MOBILE: Chaparral, NM, within 10 km, centered around NL 32-03-33; WL 106-11-31
- (19) MOBILE: Fort Bragg Site 1, within 16 km, centered around NL 35-07-24; WL 79-08-45
- (20) MOBILE: Mountain Home Site 1, within 10 km, centered around NL 42-30-52; WL 115-21-15
- (21) MOBILE: Mountain Home Site 2, within 10 km, centered around NL 42-41-13; WL 115-23-02

This authorization effective November 01, 2016 and
will expire 3:00 A.M. EST November 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (22) MOBILE: Mountain Home Site 3, within 10 km, centered around NL 42-37-38; WL 115-30-33
- (23) MOBILE: Fort Bragg Site 2, within 16 km, centered around NL 35-01-56; WL 79-30-43
- (24) MOBILE: Fort Bragg Site 3, within 10 km, centered around NL 35-07-10; WL 78-56-25
- (25) MOBILE: Mountain Home Site 1, within 10 km, centered around NL 42-30-52; WL 115-21-15
- (26) MOBILE: Mountain Home Site 1, within 10 km, centered around NL 42-41-13; WL 115-23-02
- (27) MOBILE: Mountain Home Site 3, within 10 km, centered around NL 42-37-38; WL 115-30-33
- (28) MOBILE: Fort Bragg Site 1, within 10 km, centered around NL 35-07-24; WL 79-08-45
- (29) MOBILE: Fort Bragg Site 2, within 10 km, centered around NL 35-01-56; WL 79-30-43
- (30) MOBILE: Fort Bragg Site 3, within 10 km, centered around NL 35-07-10; WL 79-56-25
- (31) MOBILE: , within 5 km, centered around NL 40-00-53; WL 74-26-19
- (32) MOBILE: , within 5 km, centered around NL 39-28-27; WL 76-08-48
- (33) MOBILE: Mobile, within 10 km, centered around NL 35-47-29; WL 120-44-39

Frequency Information

MOBILE: Fort Dix Site 1, within 10 km, centered around NL 40-00-53; WL 74-26-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

MOBILE: Fort Dix Site 1, within 10 km, centered around NL 40-00-53; WL 74-26-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	504 W (ERP)	

MOBILE: Fort Bliss Site 2, within 10 km, centered around NL 32-24-41; WL 106-01-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	251 W (ERP)	

Frequency Information

MOBILE: White Sands, NM, within 10 km, centered around NL 32-17-12; WL 106-18-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	251 W (ERP)	

MOBILE: Fort Hauchuca Site 1, within 10 km, centered around NL 31-30-17; WL 110-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	251 W (ERP)	

MOBILE: Fort Bliss Site 1, within 10 km, centered around NL 31-54-41; WL 106-09-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

MOBILE: Chaparral, NM, within 10 km, centered around NL 32-03-33; WL 106-11-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

Frequency Information

MOBILE: APG Site 1, within 10 km, centered around NL 39-28-27; WL 76-08-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

MOBILE: Fort Bliss Site 2, within 10 km, centered around NL 32-24-41; WL 106-01-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	502 W (ERP)	

MOBILE: Fort Bliss Site 1, within 10 km, centered around NL 31-54-41; WL 106-09-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	502 W (ERP)	

MOBILE: Fort Huachuca Site 1, within 10 km, centered around NL 31-30-17; WL 110-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	502 W (ERP)	

Frequency Information

MOBILE: White Sands, NM, within 10 km, centered around NL 32-17-12; WL 106-18-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	502 W (ERP)	

MOBILE: Chaparral, NM, within 10 km, centered around NL 32-03-33; WL 106-11-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	502 W (ERP)	

MOBILE: APG Site 1, within 10 km, centered around NL 39-28-27; WL 76-08-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	502 W (ERP)	

MOBILE: White Sands, NM, within 10 km, centered around NL 32-24-41; WL 106-18-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
925-960 MHz	MO	25M0G9W	501 W (ERP)	

Frequency Information

MOBILE: Fort Bliss Site 1, within 10 km, centered around NL 31-54-41; WL 106-09-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
925-960 MHz	MO	25M0G9W	501 W (ERP)	

MOBILE: White Sands, NM, within 10 km, centered around NL 32-17-12; WL 106-18-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
925-960 MHz	MO	25M0G9W	501 W (ERP)	

MOBILE: Chaparral, NM, within 10 km, centered around NL 32-03-33; WL 106-11-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
925-960 MHz	MO	25M0G9W	501 W (ERP)	

MOBILE: Fort Bragg Site 1, within 16 km, centered around NL 35-07-24; WL 79-08-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

Frequency Information

MOBILE: Mountain Home Site 1, within 10 km, centered around NL 42-30-52; WL 115-21-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

MOBILE: Mountain Home Site 2, within 10 km, centered around NL 42-41-13; WL 115-23-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

MOBILE: Mountain Home Site 3, within 10 km, centered around NL 42-37-38; WL 115-30-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

MOBILE: Fort Bragg Site 2, within 16 km, centered around NL 35-01-56; WL 79-30-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

Frequency Information

MOBILE: Fort Bragg Site 3, within 10 km, centered around NL 35-07-10; WL 78-56-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-746 MHz	MO	10M0G2D	252 W (ERP)	

MOBILE: Mountain Home Site 1, within 10 km, centered around NL 42-30-52; WL 115-21-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	504 W (ERP)	

MOBILE: Mountain Home Site 1, within 10 km, centered around NL 42-41-13; WL 115-23-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	504 W (ERP)	

MOBILE: Mountain Home Site 3, within 10 km, centered around NL 42-37-38; WL 115-30-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	504 W (ERP)	

Frequency Information

MOBILE: Fort Bragg Site 1, within 10 km, centered around NL 35-07-24; WL 79-08-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	504 W (ERP)	

MOBILE: Fort Bragg Site 2, within 10 km, centered around NL 35-01-56; WL 79-30-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	504 W (ERP)	

MOBILE: Fort Bragg Site 3, within 10 km, centered around NL 35-07-10; WL 79-56-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-2170 MHz	MO	4M20F9W	504 W (ERP)	

MOBILE: , within 5 km, centered around NL 40-00-53; WL 74-26-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-716 MHz	MO	10M0M7D	31 W (ERP)	
704-716 MHz	MO	10M0M7D	95.1 W (ERP)	
704-716 MHz	MO	10M0M7D	16 W (ERP)	

Frequency Information

MOBILE: , within 5 km, centered around NL 40-00-53; WL 74-26-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-716 MHz	MO	10M0G2D 10M0M7D	951 W (ERP)	
704-716 MHz	MO	8M00M7D	634 W (ERP)	
704-716 MHz	MO	8M00M7D	63.4 W (ERP)	
704-716 MHz	MO	10M0M7D	32 W (ERP)	
704-716 MHz	MO	10M0M7D	476 W (ERP)	

MOBILE: , within 5 km, centered around NL 39-28-27; WL 76-08-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-716 MHz	MO	10M0G2D	951 W (ERP)	
704-716 MHz	MO	10M0M7D	31.7 W (ERP)	
704-716 MHz	MO	10M0M7D	95.1 W (ERP)	
704-716 MHz	MO	10M0M7D 10M0M7D	15.9 W (ERP)	

Frequency Information

MOBILE: , within 5 km, centered around NL 39-28-27; WL 76-08-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-716 MHz	MO	10M0M7D	15.9 W (ERP)	
704-716 MHz	MO	8M00M7D	63.4 W (ERP)	
704-716 MHz	MO	10M0M7D	475.5 W (ERP)	
704-716 MHz	MO	8M00M7D	634 W (ERP)	

MOBILE: Mobile, within 10 km, centered around NL 35-47-29; WL 120-44-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
734-746 MHz	MO	10M0G2D	396 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) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.

Special Conditions:

- (6) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (7) Operations in the band 925-960 MHz must be scheduled as a White Sand (WSMR) range mission through appropriate Army sponsor. Final authorization to radiate shall be contingent upon successful scheduling and de-confliction of spectrum with other area operations. AFC-WSMR phone number (575) 678-1193.
- (8) Operations in the band 925-960 MHz must be scheduled as a Fort Bliss range exercise through appropriate Army sponsor. Final authorization to radiate shall be contingent upon successful scheduling and de-confliction of spectrum with other area operations. Fort Bliss phone number (915) 741-0774/0771.
- (9) Operation is subject to consent of the 700 MHz Lower Band "B" and "C" blocks (704-716 MHz) licensees within 50 miles of the test areas.