

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

EXPERIMENTAL

(Nature of Service)

WI2XZY

(Call Sign)

XD FX

(Class of Station)

0224-EX-CM-2017

(File Number)

NAME CCO Fiberlink, LLC

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) Rosamond (KERN), CA - NL 34-56-24; WL 118-09-21
- (2) California City (KERN), CA - NL 35-07-28; WL 118-00-45
- (3) Bakersfield (KERN), CA - NL 35-22-01; WL 119-03-05
- (4) Bakersfield (KERN), CA - NL 35-17-48; WL 119-06-07
- (5) Lamont (KERN), CA - NL 35-15-43; WL 118-54-55
- (6) Bakersfield (KERN), CA - NL 35-23-05; WL 119-06-52
- (7) North Edwards (KERN), CA - NL 35-00-56; WL 117-49-36
- (8) California City (KERN), CA - NL 35-07-33; WL 117-58-55
- (9) Bakersfield (KERN), CA - NL 35-23-53; WL 118-55-53
- (10) Delano (KERN), CA - NL 35-46-40; WL 119-14-58
- (11) Taft (KERN), CA - NL 35-08-27; WL 119-27-10
- (12) Tehachapi (KERN), CA - NL 35-07-57; WL 118-27-09
- (13) Wasco (KERN), CA - NL 35-35-39; WL 119-20-20
- (14) Bakersfield (KERN), CA - NL 35-18-44; WL 119-02-21
- (15) Bakersfield (KERN), CA - NL 35-23-36; WL 119-02-19
- (16) McCarran (WASHOE), NV - NL 39-31-19; WL 119-28-26
- (17) Reno (WASHOE), NV - NL 39-31-48; WL 119-49-30
- (18) Gardnerville (DOUGLAS), NV - NL 38-56-04; WL 119-45-09
- (19) Silver Springs (LYON), NV - NL 39-25-01; WL 119-13-16
- (20) Dayton (LYON), NV - NL 39-14-38; WL 119-35-17
- (21) Reno (WASHOE), NV - NL 39-23-27; WL 119-43-06
- (22) Carson City, NV - NL 39-10-16; WL 119-45-38
- (23) Reno (WASHOE), NV - NL 39-23-30; WL 119-43-07
- (24) Fallon (CHURCHILL), NV - NL 39-28-55; WL 118-46-42
- (25) Yerington (LYON), NV - NL 38-59-32; WL 119-09-49

This authorization effective November 08, 2017 and
will expire 3:00 A.M. EST July 01, 2019

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Station Locations

- (26) Reno (WASHOE), NV - NL 39-26-50; WL 119-45-49
- (27) Crystal Bay (WASHOE), NV - NL 39-13-37; WL 120-00-14
- (28) Hawthorne (MINERAL), NV - NL 38-31-06; WL 118-38-01
- (29) Reno (WASHOE), NV - NL 39-34-01; WL 119-45-05
- (30) Reno (WASHOE), NV - NL 39-29-04; WL 119-45-47
- (31) Zephyr Cove (DOUGLAS), NV - NL 38-59-02; WL 119-56-30
- (32) Sparks (WASHOE), NV - NL 39-31-33; WL 119-43-39
- (33) Sparks (WASHOE), NV - NL 39-34-41; WL 119-43-18
- (34) Carson City, NV - NL 39-11-32; WL 119-46-22
- (35) Bakersfield (KERN), CA - NL 35-24-37; WL 118-57-59
- (36) Bakersfield (KERN), CA - NL 35-23-36; WL 118-56-54
- (37) Bakersfield (KERN), CA - NL 35-24-18; WL 118-57-59
- (38) Bakersfield (KERN), CA - NL 35-23-49; WL 118-59-06
- (39) Bakersfield (KERN), CA - NL 35-23-38; WL 118-58-31
- (40) Bakersfield (KERN), CA - NL 35-24-15; WL 118-55-52
- (41) Bakersfield (KERN), CA - NL 35-22-33; WL 118-55-34
- (42) Bakersfield (KERN), CA - NL 35-22-31; WL 118-54-47
- (43) Bakersfield (KERN), CA - NL 35-20-56; WL 118-55-34
- (44) Bakersfield (KERN), CA - NL 35-21-04; WL 118-56-28

Frequency Information

Rosamond (KERN), CA - NL 34-56-24; WL 118-09-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

California City (KERN), CA - NL 35-07-28; WL 118-00-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Frequency Information

Bakersfield (KERN), CA - NL 35-22-01; WL 119-03-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Bakersfield (KERN), CA - NL 35-17-48; WL 119-06-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Lamont (KERN), CA - NL 35-15-43; WL 118-54-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Bakersfield (KERN), CA - NL 35-23-05; WL 119-06-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Frequency Information

North Edwards (KERN), CA - NL 35-00-56; WL 117-49-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

California City (KERN), CA - NL 35-07-33; WL 117-58-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Bakersfield (KERN), CA - NL 35-23-53; WL 118-55-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Delano (KERN), CA - NL 35-46-40; WL 119-14-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Frequency Information

Taft (KERN), CA - NL 35-08-27; WL 119-27-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Tehachapi (KERN), CA - NL 35-07-57; WL 118-27-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Wasco (KERN), CA - NL 35-35-39; WL 119-20-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Bakersfield (KERN), CA - NL 35-18-44; WL 119-02-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Frequency Information

Bakersfield (KERN), CA - NL 35-23-36; WL 119-02-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

McCarran (WASHOE), NV - NL 39-31-19; WL 119-28-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Reno (WASHOE), NV - NL 39-31-48; WL 119-49-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Gardnerville (DOUGLAS), NV - NL 38-56-04; WL 119-45-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Frequency Information

Silver Springs (LYON), NV - NL 39-25-01; WL 119-13-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Dayton (LYON), NV - NL 39-14-38; WL 119-35-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Reno (WASHOE), NV - NL 39-23-27; WL 119-43-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Carson City, NV - NL 39-10-16; WL 119-45-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Frequency Information

Reno (WASHOE), NV - NL 39-23-30; WL 119-43-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Fallon (CHURCHILL), NV - NL 39-28-55; WL 118-46-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Yerington (LYON), NV - NL 38-59-32; WL 119-09-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Reno (WASHOE), NV - NL 39-26-50; WL 119-45-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Frequency Information

Crystal Bay (WASHOE), NV - NL 39-13-37; WL 120-00-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Hawthorne (MINERAL), NV - NL 38-31-06; WL 118-38-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Reno (WASHOE), NV - NL 39-34-01; WL 119-45-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Reno (WASHOE), NV - NL 39-29-04; WL 119-45-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Frequency Information

Zephyr Cove (DOUGLAS), NV - NL 38-59-02; WL 119-56-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Sparks (WASHOE), NV - NL 39-31-33; WL 119-43-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Sparks (WASHOE), NV - NL 39-34-41; WL 119-43-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Carson City, NV - NL 39-11-32; WL 119-46-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	850MW7W	175.86 W (ERP)	0.005 %

Frequency Information

Bakersfield (KERN), CA - NL 35-24-37; WL 118-57-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Bakersfield (KERN), CA - NL 35-23-36; WL 118-56-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Bakersfield (KERN), CA - NL 35-24-18; WL 118-57-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Bakersfield (KERN), CA - NL 35-23-49; WL 118-59-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Frequency Information

Bakersfield (KERN), CA - NL 35-23-38; WL 118-58-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Bakersfield (KERN), CA - NL 35-24-15; WL 118-55-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Bakersfield (KERN), CA - NL 35-22-33; WL 118-55-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Bakersfield (KERN), CA - NL 35-22-31; WL 118-54-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Frequency Information

Bakersfield (KERN), CA - NL 35-20-56; WL 118-55-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Bakersfield (KERN), CA - NL 35-21-04; WL 118-56-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	800MW7W	175.86 W (ERP)	0.001 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) CCO Fiberlink coordinate with the Fixed Microwave Service licensees in each proposed venue in accordance with 47 CFR, Part 101.103(d) prior to commencing the experiments.
- (5) Licensee should ensure that the transmitting main beam gain antenna boresight of the fixed station tilt downward (below the horizon).
- (6) Licensee shall avoid pointing the transmit main beam antenna gain boresight above the horizon to protect satellite operations.
- (7) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (8) All of the experimental devices will be under control of CCO Fiberlink, LLC and they will be retrieved by CCO Fiberlink, LLC from the participants upon completion of the experiment.