

Microwave Path Data Sheet

Page 1 of 1

COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA, 20147

(703)726-5500 www.comsearch.com

Date: 02/19/2016

RCN Number / Job Number: 16011520

160115COMSDS03

Administrative Information

Status / License Basis

Call Sign

Licensee Code

Licensee Name

Radio Service / Station Class

File Number / Application Date

Effective / Expiration Date

CANNERY ROW CA

Proposed / PRIMARY OPERATION

WQKW254

S62499

Monterey Bay Aquarium Research Inst

MG -- Microwave Industrial/Business Pool

10/02/2019

MT TORO CA

Proposed / PRIMARY OPERATION

WNTG789

S62499

Monterey Bay Aquarium Research Inst

FXO -- Fixed

04/16/2022

Site Information

Latitude (NAD 83)

36 ° 37' 6.3" N

36 ° 32' 16.2" N

Longitude (NAD 83)

121 ° 54' 6.1" W

121 ° 37' 35.3" W

Ground Elevation (m/ft-AMSL)

3.05 / 10.0

958.30 / 3144.0

Antenna Structure Registration #

Path Azimuth (°)

109.870

290.034

Path Length (km / miles)

26.206 / 16.283

Transmit Antenna

Manufacturer

Model

Gain (dBi) / Beamwidth (°) / Tilt (°)

Centerline (m / ft - AGL)

GB1040

GABRIEL ELECTRONICS

HED4-180

44.7 / 0.90 / 1.99

9.75 / 32.0

MB1112

MILLIFLECT MICROWAVE ANTENNA SPECIALISTS

TM1872DA

48.5 / 0.60 / -2.16

3.96 / 13.0

Receive Antenna

Same As Transmit

Manufacturer

Model

Gain (dBi) / Beamwidth (°)

Centerline (m / ft - AGL)

Diversity Receive Antenna

Manufacturer

Model

Gain (dBi) / Beamwidth (°)

Centerline (m / ft - AGL)

Radio Information

Manufacturer

Model

Model Description

Emission Designator / Modulation

Loading

Stability (%)

X18147¹

EXALT COMMUNICATIONS INC.

E18F732-1560X1-256Q-30MHZ

EXTENDAIR G2 RC18020 256QAM-QPSK

30M0D7W 256 QAM

1 CH DIG 196000.0

0.0007

Nominal Coordinated Maximum

Power (dBm)

19.0

Received Level (dBm)

-38.3

EIRP (dBm)

61.6

X18147¹

EXALT COMMUNICATIONS INC.

E18F732-1560X1-256Q-30MHZ

EXTENDAIR G2 RC18020 256QAM-QPSK

30M0D7W 256 QAM

1 CH DIG 196000.0

0.0007

Nominal Coordinated Maximum

19.0

-38.3

65.4

Fixed Loss: Tx / Common (dB)

0.0 / 2.1

0.0 / 2.1

Free Space Loss (dB)

146.3

Transmit Frequencies (MHz)

17755.0000V(1)

19315.0000V(1)