

PCN Date: 06/02/2011
Job Number: 110602COMSDS02

Prev Job Num: 110511COMSDS02
RCN Number: 11060245

Administrative Information	MONTEREY BAY CA	TEMPY RX CA
City/County	/Monterey	/Monterey
Status / License Basis	Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign	WQHA454	
Licensee Code	S62499	S62499
Licensee Name	Monterey Bay Aquarium Reasearch Ins	Monterey Bay Aquarium Reasearch Ins
Radio Service / Station Class	MG -- Microwave Industrial/Business Pool	MO --- Mobile

Site Information	Operating within a rectangular area of operation	
Latitude (NAD 83)	36 °00' 00.0" N	37 °00' 00.0" N
Longitude (NAD 83)	121 °45' 00.0" W	121 °15' 00.0" W
Ground Elevation (m/ft-AMSL)	0.00 / 0.0	0.00 / 0.0
Antenna Structure Registration #		
Path Azimuth (°)	356.484	176.462
Path Length (km / miles)	53.296 / 33.117	

Transmit Antenna	63294S
Manufacturer	SEA TEL INC
Model	3294
Gain(dBi) / Beamwidth(°) / Tilt(°)	31.0 / 4.00 / -0.17
Centerline (m / ft - AGL)	10.67 / 35.0

Receive Antenna	6SAR7S
Manufacturer	SEA TEL INC
Model	SAR72
Gain (dBi) / Beamwidth (°)	36.5 / 3.70
Centerline (m / ft - AGL)	16.76 / 55.0

Diversity Receive Antenna	
Manufacturer	
Model	
Gain (dBi) / Beamwidth (°)	
Centerline (m / ft - AGL)	

Radio Information	TEMZ34	999999
Manufacturer	MOSELEY ASSOCIATES INC	RECEIVE
Model	EVENT HD-6500	ONLY
Model Description	16 QAM 67MBPS	
Emission Designator / Modulation	25M0D7W 16 QAM	
Loading	1 CH DIG 67000.000	1 CH DIG 67000.000
Stability (%)	0.005	0.005
	Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm)	30.0	
Received Level (dBm)		-50.2
EIRP (dBm)	56.5	
Fixed Loss: Tx / Common (dB)	4.5 / 0.0	0.0 / 0.0
Free Space Loss (dB)		143.2

Transmit Center Frequency (MHz)	6487.5H(3)	6512.5V(4)
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Administrative Information	MT TORO CA	Monterey CA
City/County	/Monterey	/San Benito
Status / License Basis	Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign	WNEX706	
Licensee Code	S62499	S62499
Licensee Name	Monterey Bay Aquarium Reasearch Ins	Monterey Bay Aquarium Reasearch Ins
Radio Service / Station Class	MG -- Microwave Industrial/Business Pool	MO --- Mobile

Site Information	Operating within a 48.3 KMs radius around MT Toro site	
Latitude (NAD 83)	36 °32' 15.8" N	36 °32' 11.4" N
Longitude (NAD 83)	121 °37' 35.4" W	121 °5' 13.7" W
Ground Elevation (m/ft-AMSL)	0.00 / 0.0	0.00 / 0.0
Antenna Structure Registration #		
Path Azimuth (°)	90.000	270.321
Path Length (km / miles)	48.299 / 30.012	

Transmit Antenna	63294S
Manufacturer	SEA TEL INC
Model	3294
Gain(dBi) / Beamwidth(°) / Tilt(°)	32.0 / 4.00 / -0.16
Centerline (m / ft - AGL)	6.10 / 20.0

Receive Antenna	6SAR7S
Manufacturer	SEA TEL INC
Model	SAR72
Gain (dBi) / Beamwidth (°)	36.5 / 3.70
Centerline (m / ft - AGL)	6.10 / 20.0

Diversity Receive Antenna	
Manufacturer	
Model	
Gain (dBi) / Beamwidth (°)	
Centerline (m / ft - AGL)	

Radio Information	TEMZ34	999999
Manufacturer	MOSELEY ASSOCIATES INC	RECEIVE
Model	EVENT HD-6500	ONLY
Model Description	16 QAM 67MBPS	
Emission Designator / Modulation	25M0D7W 16 QAM	
Loading	1 CH DIG 67000.000	1 CH DIG 67000.000
Stability (%)	0.005	0.005
	Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm)	30.0	
Received Level (dBm)		-43.9
EIRP (dBm)	62.0	
Fixed Loss: Tx / Common (dB)	0.0 / 0.0	0.0 / 0.0
Free Space Loss (dB)		142.4

Transmit Center Frequency (MHz) 6437.5H(1)