



November 19, 2009

*** CLIENT COPY ***
*** PLEASE MAIL ***
*** TO CUSTOMER ***

Re: MTN LICENSE CORP.
PETALUMA, CA (2.4 Meter)
Temporary Transmit-Receive Earth Station
Operation Dates: 11/25/2009 - 02/24/2010
Job Number: 091119COMSGE01

Dear Frequency Coordinator:

On behalf of MTN LICENSE CORP., we are forwarding the attached coordination data for a Temporary Transmit-receive Earth Station to be located at the site referenced above.

This earth station will transmit only on the satellite(s) and frequency or frequencies as described in the attached data.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager

Enclosure(s)

Date: 11/19/2009
Job Number: <PCNJobCode>

Administrative Information

Status: TEMPORARY (Operation from 11/25/2009 to 02/24/2010)
Call Sign: <PCNCallSign>
Licensee Code: SHORT
Licensee Name: MTN LICENSE CORP.

Site Information **PETALUMA, CA**

Venue Name
Latitude (NAD 83): 38° 16' 12.0" N
Longitude (NAD 83): 122° 39' 36.0" W
Climate Zone: A
Rain Zone: 3
Ground Elevation (AMSL): 10.06 m / 33.0 ft

Link Information

Satellite Type: Geostationary
Mode: TR - Transmit-Receive
Modulation: Digital
Satellite Arc: 116° W to 177° West Longitude
Azimuth Range: 169.3° to 246.0°
Corresponding Elevation Angles: 45.1° / 19.0°
Antenna Centerline (AGL): 2.74 m / 9.0 ft

Antenna Information

Manufacturer
Model
Gain / Diameter
3-dB / 15-dB Beamwidth

Receive - FCC32

Sea Tel Inc.
9797-11
38.5 dBi / 2.4 m
0.50° / 1.00°

Transmit - FCC32

Sea Tel Inc.
9797-11
41.7 dBi / 2.4 m
0.75° / 1.50°

Max Available RF Power (dBW/4 kHz)
(dBW/MHz)

-10.2
13.8

Maximum EIRP (dBW/4 kHz)
(dBW/MHz)

31.5
55.5

Interference Objectives: Long Term Short Term

-156.0 dBW/MHz 20%
-146.0 dBW/MHz 0.01%

-154.0 dBW/4 kHz 20%
-131.0 dBW/4 kHz 0.0025%

Frequency Information

Emission / Frequency Range (MHz)

Receive 4.0 GHz

1M40G7W / 3700.0 - 4200.0

Transmit 6.1 GHz

1M40G7W / 5925.0 - 6391.0
1M40G7W / 6414.0 - 6425.0

Max Great Circle Coordination Distance
Precipitation Scatter Contour Radius

285.3 km / 177.2 mi
370.1 km / 230.0 mi

142.5 km / 88.5 mi
100.0 km / 62.1 mi

Coordination Values		PETALUMA, CA			
Licensee Name		MTN LICENSE CORP.			
Latitude (NAD 83)		38° 16' 12.0" N			
Longitude (NAD 83)		122° 39' 36.0" W			
Ground Elevation (AMSL)		10.06 m / 33.0 ft			
Antenna Centerline (AGL)		2.74 m / 9.0 ft			
Antenna Model		Sea Tel Inc. 2.4 Meter			
Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		-10.2 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	1.57	112.80	-10.00	206.15	-10.00	100.00
5	1.24	117.46	-10.00	212.88	-10.00	100.00
10	1.17	122.13	-10.00	215.04	-10.00	100.00
15	1.01	126.73	-10.00	220.09	-10.00	100.00
20	1.23	128.31	-10.00	213.25	-10.00	100.00
25	1.50	126.02	-10.00	205.60	-10.00	100.00
30	2.10	123.68	-10.00	192.30	-10.00	100.00
35	2.36	120.87	-10.00	186.25	-10.00	100.00
40	2.98	118.03	-10.00	171.93	-10.00	100.00
45	3.02	114.74	-10.00	170.97	-10.00	100.00
50	3.13	111.35	-10.00	166.76	-10.00	100.00
55	2.85	107.75	-10.00	175.05	-10.00	100.00
60	2.57	104.11	-10.00	181.37	-10.00	100.00
65	2.15	100.43	-10.00	191.06	-10.00	100.00
70	2.11	96.81	-10.00	191.94	-10.00	100.00
75	2.01	93.16	-10.00	194.29	-10.00	100.00
80	1.64	89.51	-10.00	204.16	-10.00	100.00
85	1.25	85.91	-10.00	212.61	-10.00	100.00
90	0.85	82.38	-10.00	228.35	-10.00	102.76
95	0.76	78.86	-10.00	233.52	-10.00	106.81
100	0.33	75.49	-10.00	268.91	-10.00	132.26
105	0.21	72.13	-10.00	283.47	-10.00	141.17
110	0.00	68.90	-10.00	285.28	-10.00	142.50
115	0.00	65.70	-10.00	285.28	-10.00	142.50
120	0.00	62.62	-10.00	285.28	-10.00	142.50
125	0.00	59.68	-10.00	285.28	-10.00	142.50
130	0.00	56.92	-10.00	285.28	-10.00	142.50
135	0.00	54.36	-10.00	285.28	-10.00	142.50
140	0.00	52.03	-10.00	285.28	-10.00	142.50
145	0.84	49.28	-10.00	229.28	-10.00	103.50
150	0.77	47.56	-9.93	233.19	-9.93	106.45
155	0.67	46.24	-9.62	241.19	-9.62	112.07
160	0.95	44.94	-9.32	226.40	-9.32	100.16
165	0.80	44.48	-9.20	235.45	-9.20	107.08
170	1.01	44.11	-9.11	224.57	-9.11	100.00
175	1.22	44.19	-9.13	217.78	-9.13	100.00
180	1.39	44.28	-9.15	212.73	-9.15	100.00
185	1.29	44.12	-9.12	215.89	-9.12	100.00

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Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		-10.2 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	1.10	43.54	-8.97	222.23	-8.97	100.00
195	1.06	42.34	-8.67	225.31	-8.67	100.00
200	1.15	40.56	-8.20	224.67	-8.20	100.00
205	1.35	38.31	-7.58	221.87	-7.58	100.00
210	1.31	35.92	-6.88	226.84	-6.88	100.00
215	1.20	33.27	-6.05	234.94	-6.05	101.92
220	1.47	30.10	-4.97	232.34	-4.97	100.00
225	1.37	27.00	-3.78	242.48	-3.78	104.10
230	1.14	23.84	-2.43	259.78	-2.43	114.29
235	1.37	20.72	-0.91	261.21	-0.91	112.75
240	1.21	18.77	0.16	274.82	0.16	120.19
245	1.34	17.71	0.79	274.56	0.79	118.87
250	1.23	18.21	0.49	276.51	0.49	120.73
255	1.06	20.00	-0.53	275.67	-0.53	121.98
260	1.00	22.65	-1.88	268.84	-1.88	119.65
265	0.67	26.15	-3.44	279.84	-3.44	129.63
270	1.09	29.61	-4.78	246.29	-4.78	108.49
275	0.81	33.79	-6.22	252.76	-6.22	115.30
280	0.72	38.05	-7.51	250.42	-7.51	115.56
285	0.49	42.50	-8.71	258.53	-8.71	123.15
290	0.72	46.89	-9.78	237.47	-9.78	109.50
295	0.77	51.43	-10.00	233.35	-10.00	106.68
300	0.58	56.08	-10.00	244.81	-10.00	115.31
305	0.48	60.74	-10.00	252.36	-10.00	120.70
310	1.62	65.24	-10.00	204.78	-10.00	100.00
315	1.45	69.99	-10.00	207.13	-10.00	100.00
320	1.24	74.75	-10.00	213.07	-10.00	100.00
325	0.82	79.52	-10.00	230.05	-10.00	104.10
330	0.75	84.27	-10.00	234.39	-10.00	107.48
335	0.68	89.02	-10.00	238.49	-10.00	110.60
340	0.48	93.76	-10.00	251.53	-10.00	120.11
345	0.86	98.51	-10.00	228.02	-10.00	102.50
350	1.20	103.28	-10.00	214.24	-10.00	100.00
355	1.35	108.04	-10.00	209.86	-10.00	100.00