

Microwave Path Data Sheet

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PCN Date: 12/10/2010

Job Number: 101210COMSFB04

Prev Job Num: 101026COMSFB01

RCN Number: 10121007

Administrative Information	SC10576D CA	SC08821A CA
City/County	/Kings	/Kings
Status / License Basis	Engineering Proposal / PRIMARY OPERATION	Engineering Proposal / PRIMARY OPERATION
Call Sign		
Licensee Code	OMNPTC	OMNPTC
Licensee Name	T-Mobile License LLC	T-Mobile License LLC
Radio Service / Station Class	CF -- Point-to-Point Microwave, Common Carrier	FXO -- Fixed

Site Information

Latitude (NAD 83)	36 °15' 41.7" N	36 °13' 56.3" N
Longitude (NAD 83)	119 °52' 8.3" W	119 °47' 19.2" W
Ground Elevation (m/ft-AMSL)	60.61 / 198.9	<u>64.90</u> / <u>212.9</u>
Antenna Structure Registration #		<u>1036373</u>
Path Azimuth (°)	114.208	294.256
Path Length (km / miles)		7.915 / 4.918

Transmit Antenna	81301E	81301E
Manufacturer	ERICSSON	ERICSSON
Model	UKY 210 77/SC11	UKY 210 77/SC11
Gain(dBi) / Beamwidth(°) / Tilt(°)	39.2 / 2.30 / <u>-0.17</u>	39.2 / 2.30 / <u>0.12</u>
Centerline (m / ft – AGL)	38.10 / 125.0	13.72 / 45.0

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	TEMJ02	TEMJ02
Manufacturer	ERICSSON	ERICSSON
Model	MLTN18G16DS1RAU1N	MLTN18G16DS1RAU1N
Model Description	MINI-LINK TN (AGILE) 16DS1	MINI-LINK TN (AGILE) 16DS1
Emission Designator / Modulation	20M0G7W CQPSK	20M0G7W CQPSK
Loading	384 CH DIG 24704.000	384 CH DIG 24704.000
Stability (%)	0.001	0.001
	Nominal Coordinated Maximum	Nominal Coordinated Maximum
Power (dBm)	17.0	17.0
Received Level (dBm)	-42.5	-42.5
EIRP (dBm)	55.2	55.2
Fixed Loss: Tx / Common (dB)	0.0 / 1.0	0.0 / 1.0
Free Space Loss (dB)		135.9

Transmit Frequencies (MHz)	17890.0000V(10)	19450.0000V(10)
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