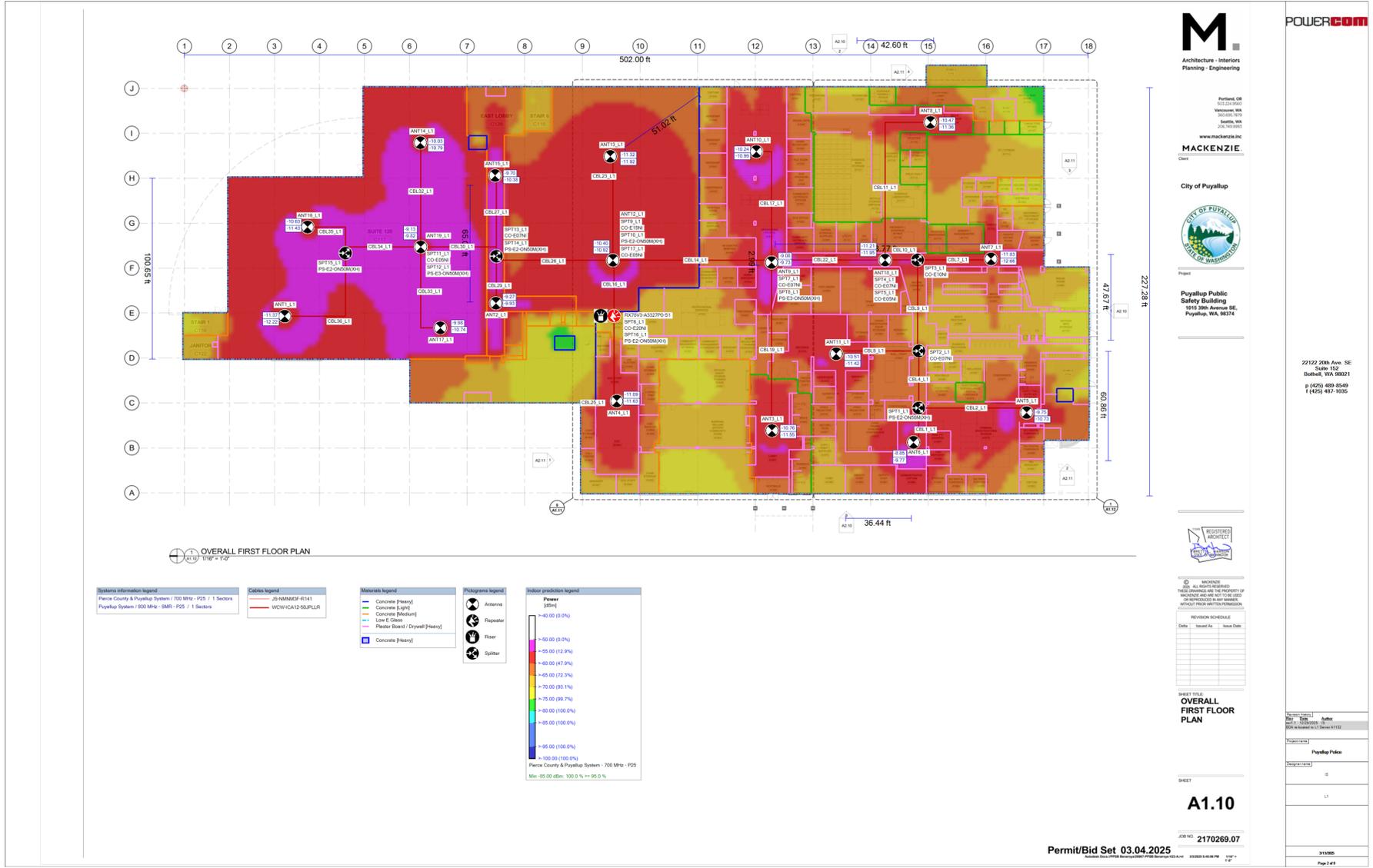
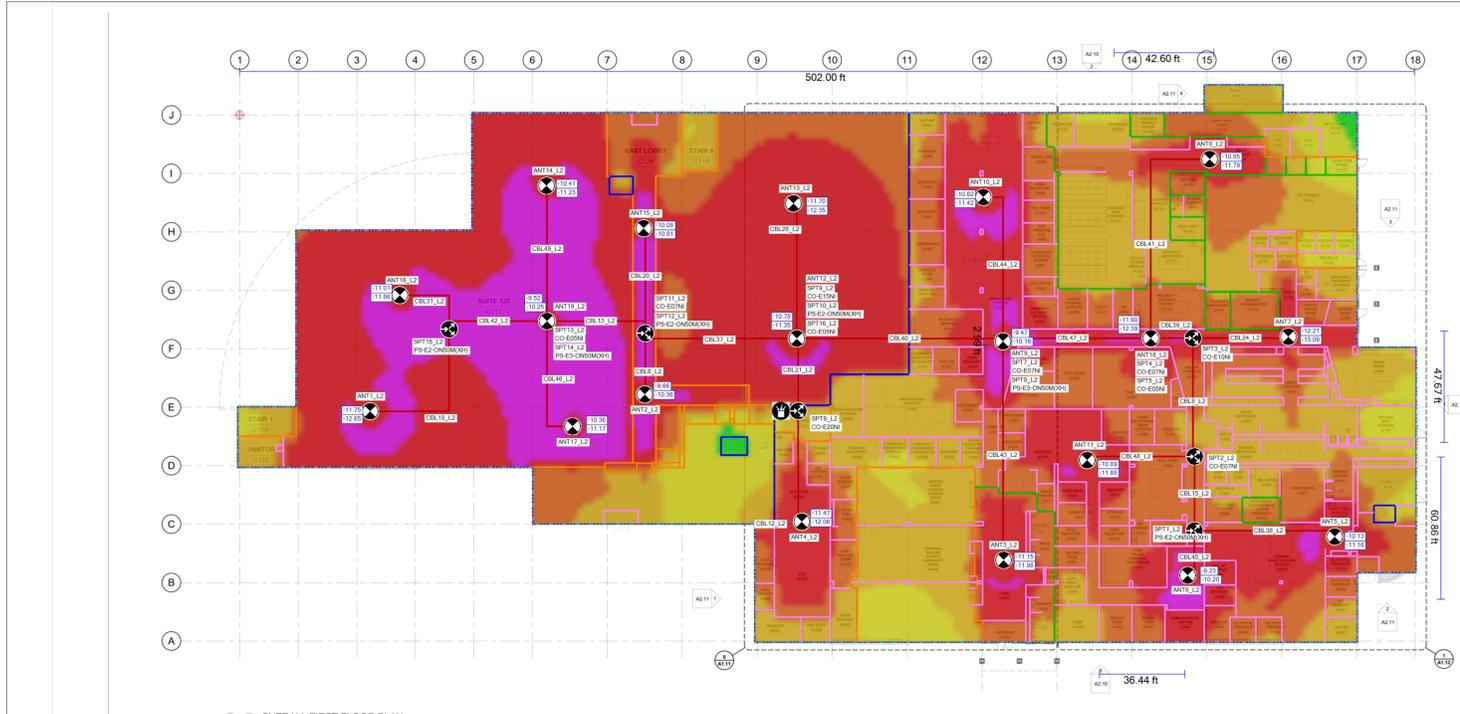


Heat Maps





OVERALL FIRST FLOOR PLAN

Systems information legend Pierce County & Puyallup System - 700 MHz - P25 / 1 Sector Puyallup System - 800 MHz - SMR - P25 / 1 Sector	Cables legend - JB-NARMSF-R141 - LDF-50A - WCV-ICAT2-50MPLR	Materials legend - Concrete (Heavy) - Concrete (Light) - Concrete (Medium) - Lath & Plaster - Plaster Board / Drywall (Heavy) - Concrete (Heavy)	Pictograms legend - Antenna - Miscellaneous - Plexer - Splitter	Indoor prediction legend Power (dBm) -40.00 (0.0%) -50.00 (1.0%) -55.00 (4.0%) -60.00 (12.0%) -65.00 (25.0%) -70.00 (45.0%) -75.00 (75.0%) -80.00 (100.0%) -85.00 (100.0%) -90.00 (100.0%) -95.00 (100.0%) -100.00 (100.0%) Pierce County & Puyallup System - 700 MHz - P25 Min: -35.00 dBm, 100.0 %; Max: -95.0 %
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REVISION SCHEDULE

Date	Issued As	Issue Date

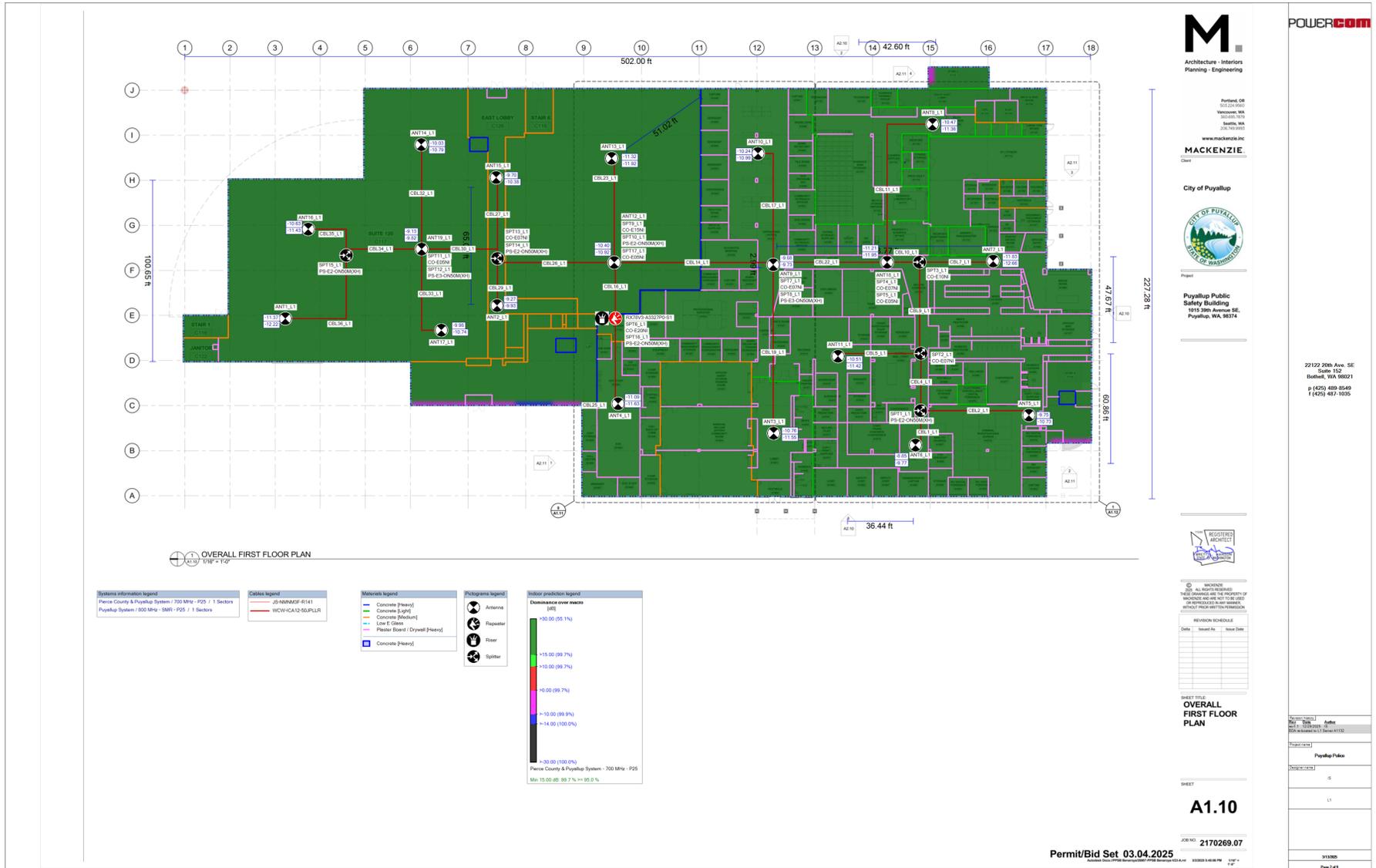
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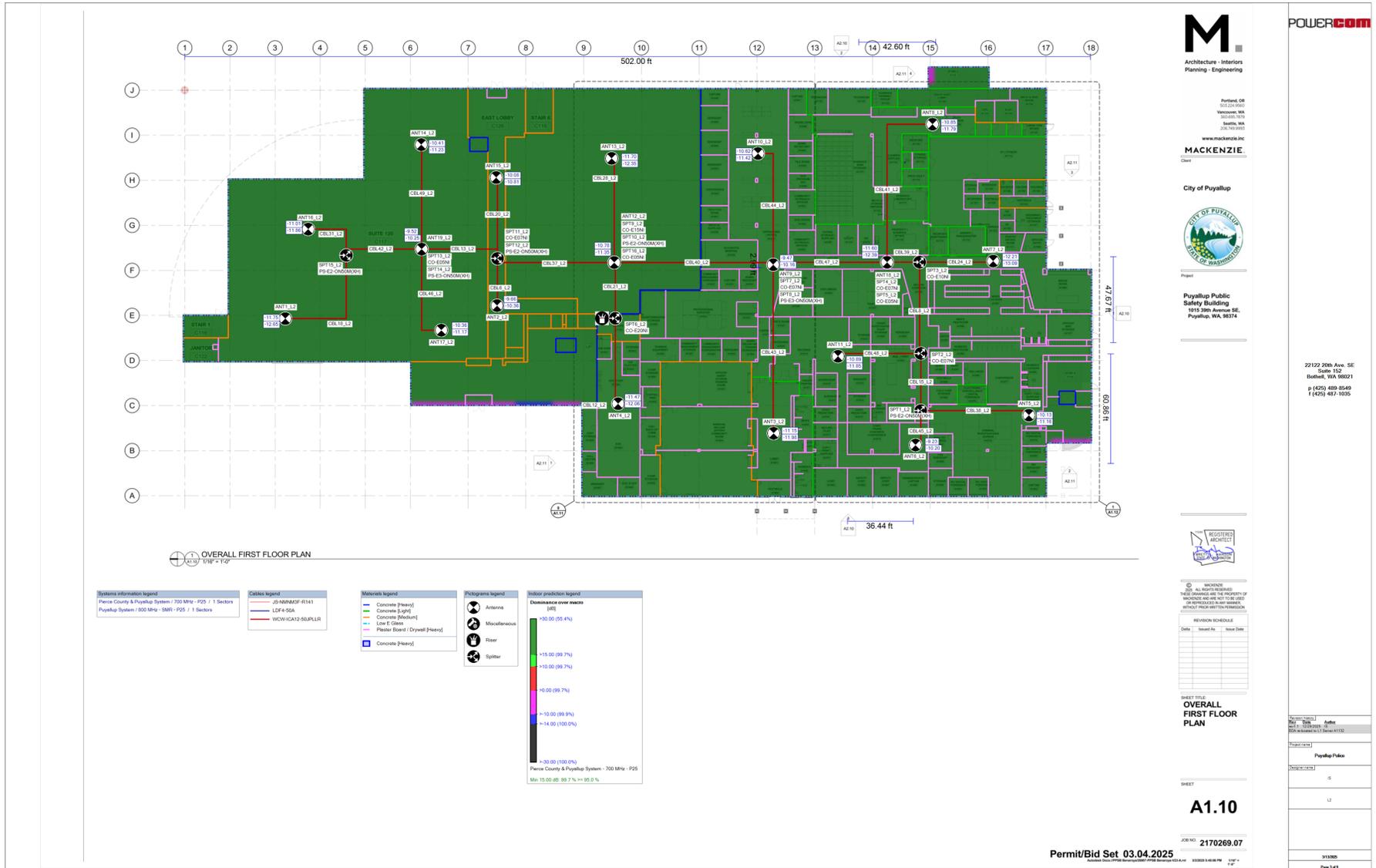
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Permit/Bid Set 03.04.2025

JOB NO. 2170269.07

Rev	Date	Author





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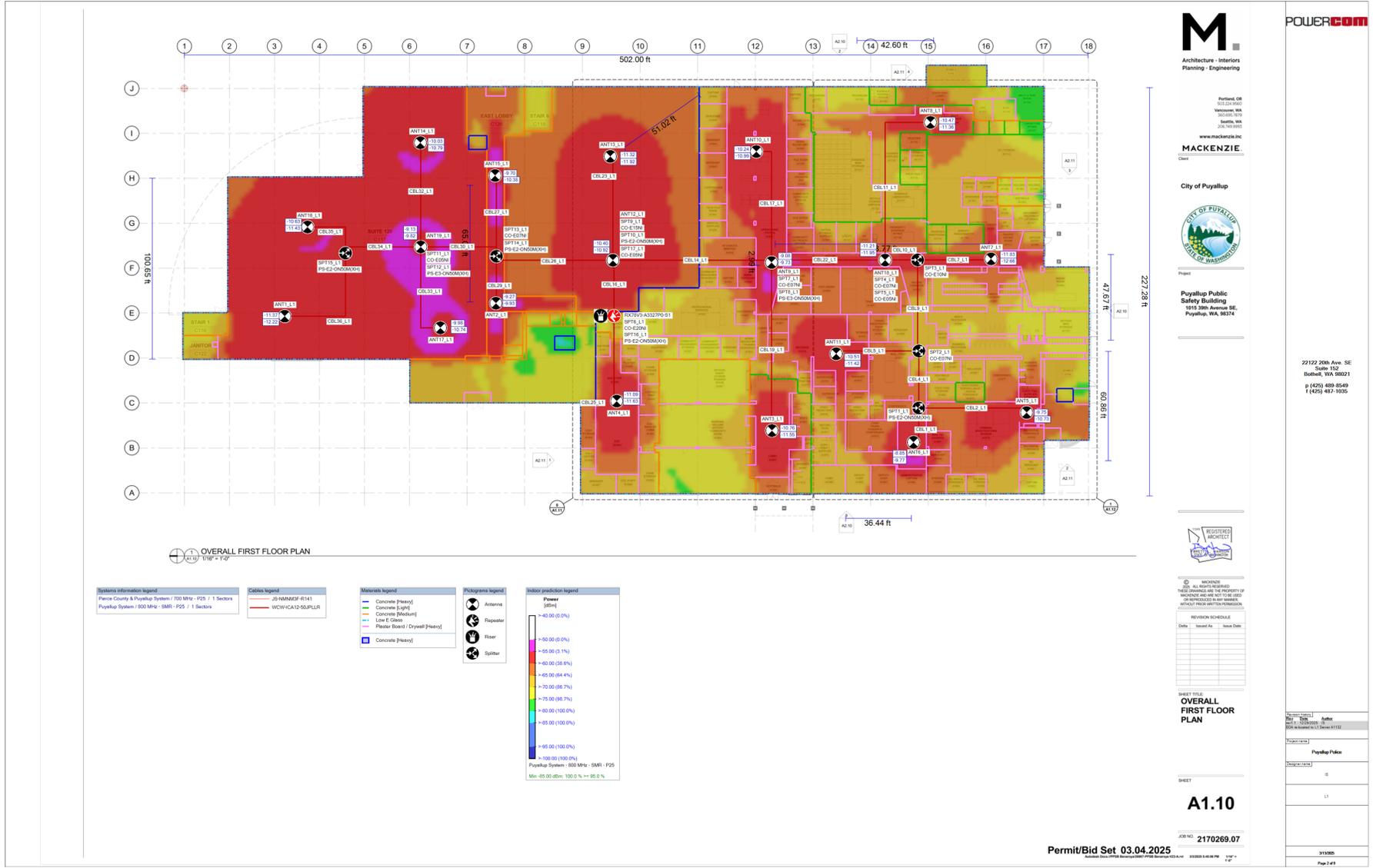
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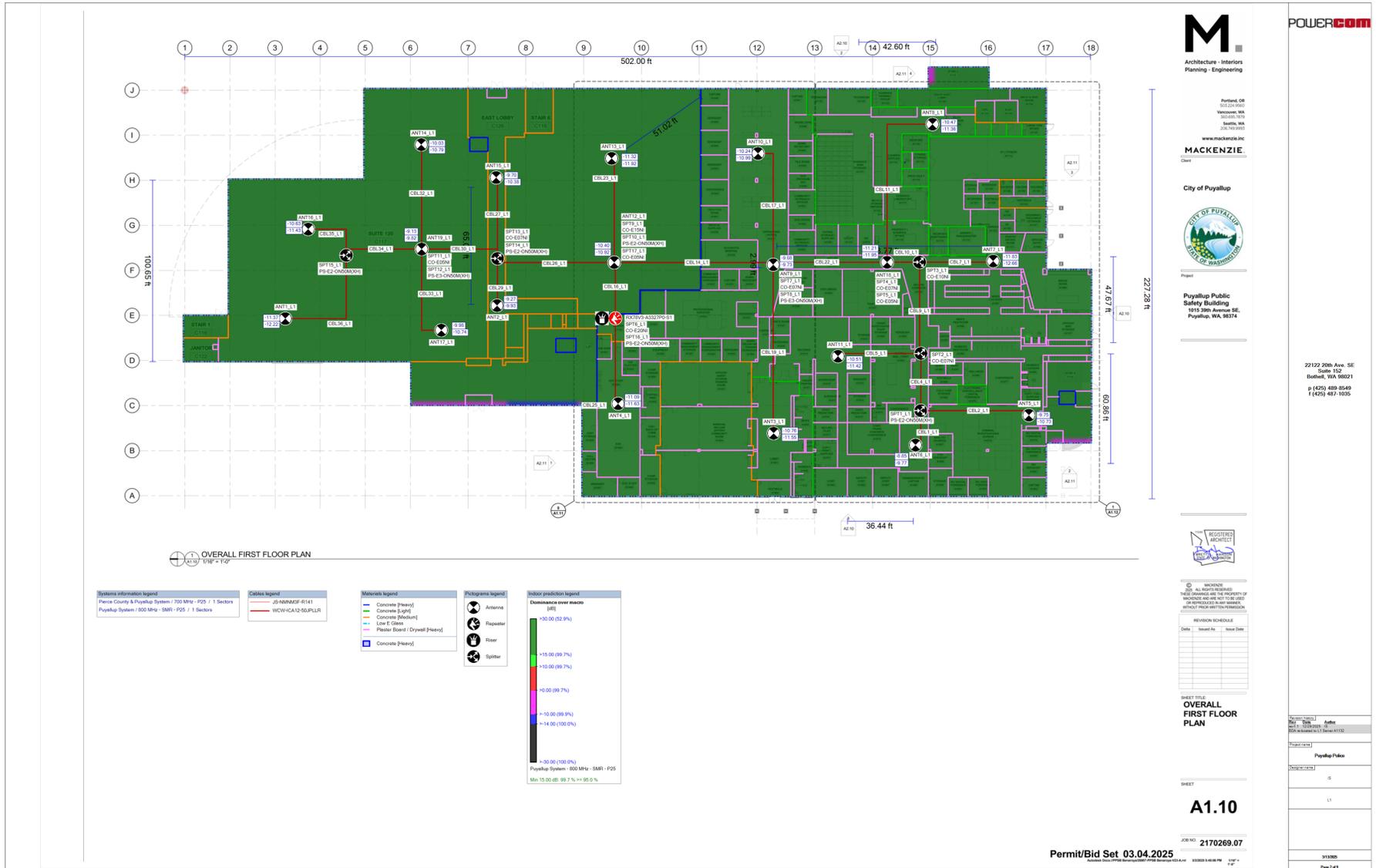
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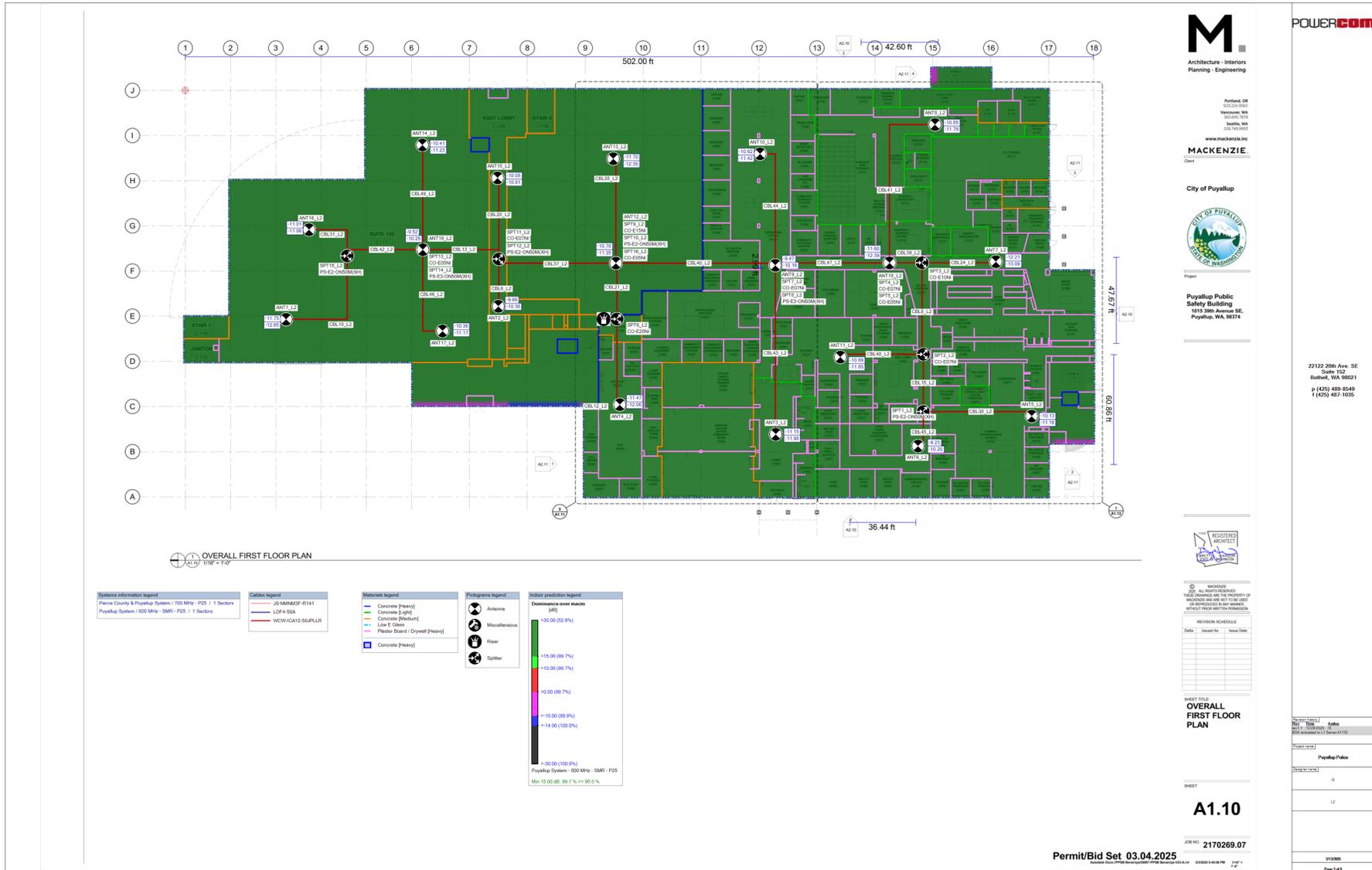
SHEET
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JOB NO. 2170269.07
Permit/Bid Set 03.04.2025

3/13/2025
Page 3 of 8







Link Budget

Downlink Link Budget Report

Project name: Puyallup Police

Design company: 22122 20th Ave. SE

Project creation date: 3/13/2025

Designer: IS

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT1_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLLR	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-4.60	4.42	-4.60	3.47	-	-	-	-	-	-
CBL26_L1	WCW-ICA12-50JPLLR	66.98	-1.69	2.73	-1.78	1.69	-	-	-	-	-	-
SPT13_L1	CO-E07NI	-	-1.30	1.43	-1.30	0.39	-	-	-	-	-	-
CBL30_L1	WCW-ICA12-50JPLLR	47.21	-1.25	0.19	-1.32	-0.93	-	-	-	-	-	-
SPT11_L1	CO-E05NI	-	-4.60	-4.41	-4.60	-5.53	-	-	-	-	-	-
CBL34_L1	WCW-ICA12-50JPLLR	45.26	-1.20	-5.62	-1.27	-6.80	-	-	-	-	-	-
SPT15_L1	PS-E2-ON50M(XH)	-	-3.30	-8.92	-3.30	-10.10	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
CBL36_L1	WCW-ICA12-50JPLLR	68.89	-1.73	-10.65	-1.83	-11.93	-	-	-	-	-	-
MS signal range [feet]	-	-	155.59	-	131.35	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.43	-	-82.12	-	-	-	-	-	-	-
ANT1_L1 (dBd)	IX-MJN-V3P	-	-0.72	-11.37	-0.29	-12.22	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT1_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-4.60	4.04	-4.60	3.04	-	-	-	-	-	-
CBL37_L2	WCW-ICA12-50JPLLR	66.98	-1.69	2.35	-1.78	1.26	-	-	-	-	-	-
SPT11_L2	CO-E07NI	-	-1.30	1.05	-1.30	-0.04	-	-	-	-	-	-
CBL13_L2	WCW-ICA12-50JPLLR	47.21	-1.25	-0.20	-1.32	-1.36	-	-	-	-	-	-
SPT13_L2	CO-E05NI	-	-4.60	-4.80	-4.60	-5.96	-	-	-	-	-	-
CBL42_L2	WCW-ICA12-50JPLLR	45.26	-1.20	-6.00	-1.27	-7.23	-	-	-	-	-	-
SPT15_L2	PS-E2-ON50M(XH)	-	-3.30	-9.30	-3.30	-10.53	-	-	-	-	-	-
CBL18_L2	WCW-ICA12-50JPLLR	68.89	-1.73	-11.03	-1.83	-12.36	-	-	-	-	-	-
MS signal range [feet]	-	-	149.76	-	125.78	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.81	-	-82.55	-	-	-	-	-	-	-
ANT1_L2 (dBd)	IX-MJN-V3P	-	-0.72	-11.75	-0.29	-12.65	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT2_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-4.60	4.42	-4.60	3.47	-	-	-	-	-	-
CBL26_L1	WCW-ICA12-50JPLL	66.98	-1.69	2.73	-1.78	1.69	-	-	-	-	-	-
SPT13_L1	CO-E07NI	-	-6.60	-3.87	-6.60	-4.91	-	-	-	-	-	-
JMP19	JS-NMNM3F-R141	Jumper	-0.60	-4.47	-0.60	-5.51	-	-	-	-	-	-
SPT14_L1	PS-E2-ON50M(XH)	-	-3.30	-7.77	-3.30	-8.81	-	-	-	-	-	-
CBL29_L1	WCW-ICA12-50JPLL	26.43	-0.79	-8.55	-0.83	-9.64	-	-	-	-	-	-
MS signal range [feet]	-	-	191.89	-	165.22	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-78.33	-	-79.83	-	-	-	-	-	-	-
ANT2_L1 (dBd)	IX-MJN-V3P	-	-0.72	-9.27	-0.29	-9.93	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT2_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-4.60	4.04	-4.60	3.04	-	-	-	-	-	-
CBL37_L2	WCW-ICA12-50JPLLR	66.98	-1.69	2.35	-1.78	1.26	-	-	-	-	-	-
SPT11_L2	CO-E07NI	-	-6.60	-4.25	-6.60	-5.34	-	-	-	-	-	-
JMP9	JS-NMNM3F-R141	Jumper	-0.60	-4.85	-0.60	-5.94	-	-	-	-	-	-
SPT12_L2	PS-E2-ON50M(XH)	-	-3.30	-8.15	-3.30	-9.24	-	-	-	-	-	-
CBL6_L2	WCW-ICA12-50JPLLR	26.43	-0.79	-8.94	-0.83	-10.07	-	-	-	-	-	-
MS signal range [feet]	-	-	184.70	-	158.21	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-78.71	-	-80.26	-	-	-	-	-	-	-
ANT2_L2 (dBd)	IX-MJN-V3P	-	-0.72	-9.66	-0.29	-10.36	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT3_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-2.00	7.02	-2.00	6.07	-	-	-	-	-	-
CBL14_L1	WCW-ICA12-50JPLL	89.34	-2.18	4.84	-2.31	3.76	-	-	-	-	-	-
SPT7_L1	CO-E07NI	-	-6.60	-1.76	-6.60	-2.84	-	-	-	-	-	-
JMP11	JS-NMNM3F-R141	Jumper	-0.60	-2.36	-0.60	-3.44	-	-	-	-	-	-
SPT8_L1	PS-E3-ON50M(XH)	-	-5.40	-7.76	-5.40	-8.84	-	-	-	-	-	-
CBL19_L1	WCW-ICA12-50JPLL	93.79	-2.28	-10.04	-2.42	-11.26	-	-	-	-	-	-
MS signal range [feet]	-	-	165.28	-	140.45	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.82	-	-81.45	-	-	-	-	-	-	-
ANT3_L1 (dBd)	IX-MJN-V3P	-	-0.72	-10.76	-0.29	-11.55	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT3_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-2.00	6.64	-2.00	5.64	-	-	-	-	-	-
CBL40_L2	WCW-ICA12-50JPLLR	89.34	-2.18	4.45	-2.31	3.33	-	-	-	-	-	-
SPT7_L2	CO-E07NI	-	-6.60	-2.15	-6.60	-3.27	-	-	-	-	-	-
JMP7	JS-NMNM3F-R141	Jumper	-0.60	-2.75	-0.60	-3.87	-	-	-	-	-	-
SPT8_L2	PS-E3-ON50M(XH)	-	-5.40	-8.15	-5.40	-9.27	-	-	-	-	-	-
CBL43_L2	WCW-ICA12-50JPLLR	93.79	-2.28	-10.43	-2.42	-11.69	-	-	-	-	-	-
MS signal range [feet]	-	-	159.09	-	134.49	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.20	-	-81.88	-	-	-	-	-	-	-
ANT3_L2 (dBd)	IX-MJN-V3P	-	-0.72	-11.15	-0.29	-11.98	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT4_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-20.00	-9.08	-20.00	-9.98	-	-	-	-	-	-
CBL25_L1	WCW-ICA12-50JPLLR	48.94	-1.29	-10.37	-1.36	-11.34	-	-	-	-	-	-
MS signal range [feet]	-	-	160.05	-	139.35	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.14	-	-81.53	-	-	-	-	-	-	-
ANT4_L1 (dBd)	IX-MJN-V3P	-	-0.72	-11.09	-0.29	-11.63	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT4_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-20.00	-9.46	-20.00	-10.41	-	-	-	-	-	-
CBL12_L2	WCW-ICA12-50JPLLR	48.94	-1.29	-10.75	-1.36	-11.77	-	-	-	-	-	-
MS signal range [feet]	-	-	154.05	-	133.43	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.53	-	-81.96	-	-	-	-	-	-	-
ANT4_L2 (dBd)	IX-MJN-V3P	-	-0.72	-11.47	-0.29	-12.06	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT5_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-2.00	7.02	-2.00	6.07	-	-	-	-	-	-
CBL14_L1	WCW-ICA12-50JPLL	89.34	-2.18	4.84	-2.31	3.76	-	-	-	-	-	-
SPT7_L1	CO-E07NI	-	-1.30	3.54	-1.30	2.46	-	-	-	-	-	-
CBL22_L1	WCW-ICA12-50JPLL	64.45	-1.63	1.91	-1.72	0.74	-	-	-	-	-	-
SPT4_L1	CO-E07NI	-	-1.30	0.61	-1.30	-0.56	-	-	-	-	-	-
CBL10_L1	WCW-ICA12-50JPLL	18.10	-0.60	0.00	-0.63	-1.19	-	-	-	-	-	-
SPT3_L1	CO-E10NI	-	-0.60	-0.60	-0.60	-1.79	-	-	-	-	-	-
CBL9_L1	WCW-ICA12-50JPLL	51.39	-1.34	-1.94	-1.42	-3.21	-	-	-	-	-	-
SPT2_L1	CO-E07NI	-	-1.30	-3.24	-1.30	-4.51	-	-	-	-	-	-
CBL4_L1	WCW-ICA12-50JPLL	31.74	-0.90	-4.14	-0.95	-5.46	-	-	-	-	-	-
SPT1_L1	PS-E2-ON50M(XH)	-	-3.30	-7.44	-3.30	-8.76	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
CBL2_L1	WCW-ICA12-50JPLLR	62.47	-1.59	-9.03	-1.68	-10.44	-	-	-	-	-	-
MS signal range [feet]	-	-	183.03	-	152.50	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-78.80	-	-80.63	-	-	-	-	-	-	-
ANT5_L1 (dBd)	IX-MJN-V3P	-	-0.72	-9.75	-0.29	-10.73	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT5_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLL	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLL	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-2.00	6.64	-2.00	5.64	-	-	-	-	-	-
CBL40_L2	WCW-ICA12-50JPLL	89.34	-2.18	4.45	-2.31	3.33	-	-	-	-	-	-
SPT7_L2	CO-E07NI	-	-1.30	3.15	-1.30	2.03	-	-	-	-	-	-
CBL47_L2	WCW-ICA12-50JPLL	64.45	-1.63	1.52	-1.72	0.30	-	-	-	-	-	-
SPT4_L2	CO-E07NI	-	-1.30	0.22	-1.30	-1.00	-	-	-	-	-	-
CBL39_L2	WCW-ICA12-50JPLL	18.10	-0.60	-0.38	-0.63	-1.62	-	-	-	-	-	-
SPT3_L2	CO-E10NI	-	-0.60	-0.98	-0.60	-2.22	-	-	-	-	-	-
CBL8_L2	WCW-ICA12-50JPLL	51.39	-1.34	-2.32	-1.42	-3.64	-	-	-	-	-	-
SPT2_L2	CO-E07NI	-	-1.30	-3.62	-1.30	-4.94	-	-	-	-	-	-
CBL15_L2	WCW-ICA12-50JPLL	31.74	-0.90	-4.52	-0.95	-5.89	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
SPT1_L2	PS-E2-ON50M(XH)	-	-3.30	-7.82	-3.30	-9.19	-	-	-	-	-	-
CBL38_L2	WCW-ICA12-50JPLLR	62.47	-1.59	-9.41	-1.68	-10.87	-	-	-	-	-	-
MS signal range [feet]	-	-	176.17	-	146.03	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.19	-	-81.06	-	-	-	-	-	-	-
ANT5_L2 (dBd)	IX-MJN-V3P	-	-0.72	-10.13	-0.29	-11.16	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT6 L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-2.00	7.02	-2.00	6.07	-	-	-	-	-	-
CBL14_L1	WCW-ICA12-50JPLL	89.34	-2.18	4.84	-2.31	3.76	-	-	-	-	-	-
SPT7_L1	CO-E07NI	-	-1.30	3.54	-1.30	2.46	-	-	-	-	-	-
CBL22_L1	WCW-ICA12-50JPLL	64.45	-1.63	1.91	-1.72	0.74	-	-	-	-	-	-
SPT4_L1	CO-E07NI	-	-1.30	0.61	-1.30	-0.56	-	-	-	-	-	-
CBL10_L1	WCW-ICA12-50JPLL	18.10	-0.60	0.00	-0.63	-1.19	-	-	-	-	-	-
SPT3_L1	CO-E10NI	-	-0.60	-0.60	-0.60	-1.79	-	-	-	-	-	-
CBL9_L1	WCW-ICA12-50JPLL	51.39	-1.34	-1.94	-1.42	-3.21	-	-	-	-	-	-
SPT2_L1	CO-E07NI	-	-1.30	-3.24	-1.30	-4.51	-	-	-	-	-	-
CBL4_L1	WCW-ICA12-50JPLL	31.74	-0.90	-4.14	-0.95	-5.46	-	-	-	-	-	-
SPT1_L1	PS-E2-ON50M(XH)	-	-3.30	-7.44	-3.30	-8.76	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
CBL1_L1	WCW-ICA12-50JPLLR	22.00	-0.69	-8.13	-0.72	-9.48	-	-	-	-	-	-
MS signal range [feet]	-	-	200.24	-	167.84	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-77.91	-	-79.67	-	-	-	-	-	-	-
ANT6_L1 (dBd)	IX-MJN-V3P	-	-0.72	-8.85	-0.29	-9.77	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT6_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLL	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLL	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-2.00	6.64	-2.00	5.64	-	-	-	-	-	-
CBL40_L2	WCW-ICA12-50JPLL	89.34	-2.18	4.45	-2.31	3.33	-	-	-	-	-	-
SPT7_L2	CO-E07NI	-	-1.30	3.15	-1.30	2.03	-	-	-	-	-	-
CBL47_L2	WCW-ICA12-50JPLL	64.45	-1.63	1.52	-1.72	0.30	-	-	-	-	-	-
SPT4_L2	CO-E07NI	-	-1.30	0.22	-1.30	-1.00	-	-	-	-	-	-
CBL39_L2	WCW-ICA12-50JPLL	18.10	-0.60	-0.38	-0.63	-1.62	-	-	-	-	-	-
SPT3_L2	CO-E10NI	-	-0.60	-0.98	-0.60	-2.22	-	-	-	-	-	-
CBL8_L2	WCW-ICA12-50JPLL	51.39	-1.34	-2.32	-1.42	-3.64	-	-	-	-	-	-
SPT2_L2	CO-E07NI	-	-1.30	-3.62	-1.30	-4.94	-	-	-	-	-	-
CBL15_L2	WCW-ICA12-50JPLL	31.74	-0.90	-4.52	-0.95	-5.89	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
SPT1_L2	PS-E2-ON50M(XH)	-	-3.30	-7.82	-3.30	-9.19	-	-	-	-	-	-
CBL45_L2	WCW-ICA12-50JPLLR	22.00	-0.69	-8.51	-0.72	-9.91	-	-	-	-	-	-
MS signal range [feet]	-	-	192.74	-	160.72	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-78.29	-	-80.10	-	-	-	-	-	-	-
ANT6_L2 (dBd)	IX-MJN-V3P	-	-0.72	-9.23	-0.29	-10.20	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT7_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-2.00	7.02	-2.00	6.07	-	-	-	-	-	-
CBL14_L1	WCW-ICA12-50JPLL	89.34	-2.18	4.84	-2.31	3.76	-	-	-	-	-	-
SPT7_L1	CO-E07NI	-	-1.30	3.54	-1.30	2.46	-	-	-	-	-	-
CBL22_L1	WCW-ICA12-50JPLL	64.45	-1.63	1.91	-1.72	0.74	-	-	-	-	-	-
SPT4_L1	CO-E07NI	-	-1.30	0.61	-1.30	-0.56	-	-	-	-	-	-
CBL10_L1	WCW-ICA12-50JPLL	18.10	-0.60	0.00	-0.63	-1.19	-	-	-	-	-	-
SPT3_L1	CO-E10NI	-	-10.00	-10.00	-10.00	-11.19	-	-	-	-	-	-
CBL7_L1	WCW-ICA12-50JPLL	41.36	-1.12	-11.11	-1.18	-12.37	-	-	-	-	-	-
MS signal range [feet]	-	-	148.52	-	125.65	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.89	-	-82.56	-	-	-	-	-	-	-
ANT7_L1 (dBd)	IX-MJN-V3P	-	-0.72	-11.83	-0.29	-12.66	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT7_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLL	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLL	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-2.00	6.64	-2.00	5.64	-	-	-	-	-	-
CBL40_L2	WCW-ICA12-50JPLL	89.34	-2.18	4.45	-2.31	3.33	-	-	-	-	-	-
SPT7_L2	CO-E07NI	-	-1.30	3.15	-1.30	2.03	-	-	-	-	-	-
CBL47_L2	WCW-ICA12-50JPLL	64.45	-1.63	1.52	-1.72	0.30	-	-	-	-	-	-
SPT4_L2	CO-E07NI	-	-1.30	0.22	-1.30	-1.00	-	-	-	-	-	-
CBL39_L2	WCW-ICA12-50JPLL	18.10	-0.60	-0.38	-0.63	-1.62	-	-	-	-	-	-
SPT3_L2	CO-E10NI	-	-10.00	-10.38	-10.00	-11.62	-	-	-	-	-	-
CBL24_L2	WCW-ICA12-50JPLL	41.36	-1.12	-11.49	-1.18	-12.80	-	-	-	-	-	-
MS signal range [feet]	-	-	142.95	-	120.32	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-81.27	-	-82.99	-	-	-	-	-	-	-
ANT7_L2 (dBd)	IX-MJN-V3P	-	-0.72	-12.21	-0.29	-13.09	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT8_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-2.00	7.02	-2.00	6.07	-	-	-	-	-	-
CBL14_L1	WCW-ICA12-50JPLL	89.34	-2.18	4.84	-2.31	3.76	-	-	-	-	-	-
SPT7_L1	CO-E07NI	-	-1.30	3.54	-1.30	2.46	-	-	-	-	-	-
CBL22_L1	WCW-ICA12-50JPLL	64.45	-1.63	1.91	-1.72	0.74	-	-	-	-	-	-
SPT4_L1	CO-E07NI	-	-6.60	-4.69	-6.60	-5.86	-	-	-	-	-	-
JMP6	JS-NMNM3F-R141	Jumper	-0.60	-5.29	-0.60	-6.46	-	-	-	-	-	-
SPT5_L1	CO-E05NI	-	-2.00	-7.29	-2.00	-8.46	-	-	-	-	-	-
CBL11_L1	WCW-ICA12-50JPLL	101.81	-2.46	-9.75	-2.61	-11.07	-	-	-	-	-	-
MS signal range [feet]	-	-	170.18	-	143.09	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.53	-	-81.26	-	-	-	-	-	-	-
ANT8_L1 (dBd)	IX-MJN-V3P	-	-0.72	-10.47	-0.29	-11.36	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT8_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-2.00	6.64	-2.00	5.64	-	-	-	-	-	-
CBL40_L2	WCW-ICA12-50JPLLR	89.34	-2.18	4.45	-2.31	3.33	-	-	-	-	-	-
SPT7_L2	CO-E07NI	-	-1.30	3.15	-1.30	2.03	-	-	-	-	-	-
CBL47_L2	WCW-ICA12-50JPLLR	64.45	-1.63	1.52	-1.72	0.30	-	-	-	-	-	-
SPT4_L2	CO-E07NI	-	-6.60	-5.08	-6.60	-6.30	-	-	-	-	-	-
JMP17	JS-NMNM3F-R141	Jumper	-0.60	-5.68	-0.60	-6.90	-	-	-	-	-	-
SPT5_L2	CO-E05NI	-	-2.00	-7.68	-2.00	-8.90	-	-	-	-	-	-
CBL41_L2	WCW-ICA12-50JPLLR	101.81	-2.46	-10.13	-2.61	-11.50	-	-	-	-	-	-
MS signal range [feet]	-	-	163.80	-	137.02	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.91	-	-81.70	-	-	-	-	-	-	-
ANT8_L2 (dBd)	IX-MJN-V3P	-	-0.72	-10.85	-0.29	-11.79	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT9 L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLLR	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-2.00	7.02	-2.00	6.07	-	-	-	-	-	-
CBL14_L1	WCW-ICA12-50JPLLR	89.34	-2.18	4.84	-2.31	3.76	-	-	-	-	-	-
SPT7_L1	CO-E07NI	-	-6.60	-1.76	-6.60	-2.84	-	-	-	-	-	-
JMP11	JS-NMNM3F-R141	Jumper	-0.60	-2.36	-0.60	-3.44	-	-	-	-	-	-
SPT8_L1	PS-E3-ON50M(XH)	-	-5.40	-7.76	-5.40	-8.84	-	-	-	-	-	-
JMP8	JS-NMNM3F-R141	Jumper	-0.60	-8.36	-0.60	-9.44	-	-	-	-	-	-
MS signal range [feet]	-	-	195.58	-	168.50	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-78.14	-	-79.63	-	-	-	-	-	-	-
ANT9_L1 (dBd)	IX-MJN-V3P	-	-0.72	-9.08	-0.29	-9.73	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT9_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-2.00	6.64	-2.00	5.64	-	-	-	-	-	-
CBL40_L2	WCW-ICA12-50JPLLR	89.34	-2.18	4.45	-2.31	3.33	-	-	-	-	-	-
SPT7_L2	CO-E07NI	-	-6.60	-2.15	-6.60	-3.27	-	-	-	-	-	-
JMP7	JS-NMNM3F-R141	Jumper	-0.60	-2.75	-0.60	-3.87	-	-	-	-	-	-
SPT8_L2	PS-E3-ON50M(XH)	-	-5.40	-8.15	-5.40	-9.27	-	-	-	-	-	-
JMP21	JS-NMNM3F-R141	Jumper	-0.60	-8.75	-0.60	-9.87	-	-	-	-	-	-
MS signal range [feet]	-	-	188.25	-	161.35	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-78.52	-	-80.06	-	-	-	-	-	-	-
ANT9_L2 (dBd)	IX-MJN-V3P	-	-0.72	-9.47	-0.29	-10.16	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT10_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-2.00	7.02	-2.00	6.07	-	-	-	-	-	-
CBL14_L1	WCW-ICA12-50JPLL	89.34	-2.18	4.84	-2.31	3.76	-	-	-	-	-	-
SPT7_L1	CO-E07NI	-	-6.60	-1.76	-6.60	-2.84	-	-	-	-	-	-
JMP11	JS-NMNM3F-R141	Jumper	-0.60	-2.36	-0.60	-3.44	-	-	-	-	-	-
SPT8_L1	PS-E3-ON50M(XH)	-	-5.40	-7.76	-5.40	-8.84	-	-	-	-	-	-
CBL17_L1	WCW-ICA12-50JPLL	70.16	-1.76	-9.52	-1.86	-10.70	-	-	-	-	-	-
MS signal range [feet]	-	-	174.19	-	148.54	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.30	-	-80.89	-	-	-	-	-	-	-
ANT10_L1 (dBd)	IX-MJN-V3P	-	-0.72	-10.24	-0.29	-10.99	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT10_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-2.00	6.64	-2.00	5.64	-	-	-	-	-	-
CBL40_L2	WCW-ICA12-50JPLLR	89.34	-2.18	4.45	-2.31	3.33	-	-	-	-	-	-
SPT7_L2	CO-E07NI	-	-6.60	-2.15	-6.60	-3.27	-	-	-	-	-	-
JMP7	JS-NMNM3F-R141	Jumper	-0.60	-2.75	-0.60	-3.87	-	-	-	-	-	-
SPT8_L2	PS-E3-ON50M(XH)	-	-5.40	-8.15	-5.40	-9.27	-	-	-	-	-	-
CBL44_L2	WCW-ICA12-50JPLLR	70.16	-1.76	-9.90	-1.86	-11.13	-	-	-	-	-	-
MS signal range [feet]	-	-	167.66	-	142.23	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.68	-	-81.32	-	-	-	-	-	-	-
ANT10_L2 (dBd)	IX-MJN-V3P	-	-0.72	-10.62	-0.29	-11.42	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT11_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-2.00	7.02	-2.00	6.07	-	-	-	-	-	-
CBL14_L1	WCW-ICA12-50JPLL	89.34	-2.18	4.84	-2.31	3.76	-	-	-	-	-	-
SPT7_L1	CO-E07NI	-	-1.30	3.54	-1.30	2.46	-	-	-	-	-	-
CBL22_L1	WCW-ICA12-50JPLL	64.45	-1.63	1.91	-1.72	0.74	-	-	-	-	-	-
SPT4_L1	CO-E07NI	-	-1.30	0.61	-1.30	-0.56	-	-	-	-	-	-
CBL10_L1	WCW-ICA12-50JPLL	18.10	-0.60	0.00	-0.63	-1.19	-	-	-	-	-	-
SPT3_L1	CO-E10NI	-	-0.60	-0.60	-0.60	-1.79	-	-	-	-	-	-
CBL9_L1	WCW-ICA12-50JPLL	51.39	-1.34	-1.94	-1.42	-3.21	-	-	-	-	-	-
SPT2_L1	CO-E07NI	-	-6.60	-8.54	-6.60	-9.81	-	-	-	-	-	-
CBL5_L1	WCW-ICA12-50JPLL	47.51	-1.25	-9.79	-1.32	-11.13	-	-	-	-	-	-
MS signal range [feet]	-	-	169.56	-	142.25	-	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
MS RSSI [dBm]	-	-	-79.57	-	-81.32	-	-	-	-	-	-	-
ANT11_L1 (dBd)	IX-MJN-V3P	-	-0.72	-10.51	-0.29	-11.42	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT11_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-2.00	6.64	-2.00	5.64	-	-	-	-	-	-
CBL40_L2	WCW-ICA12-50JPLLR	89.34	-2.18	4.45	-2.31	3.33	-	-	-	-	-	-
SPT7_L2	CO-E07NI	-	-1.30	3.15	-1.30	2.03	-	-	-	-	-	-
CBL47_L2	WCW-ICA12-50JPLLR	64.45	-1.63	1.52	-1.72	0.30	-	-	-	-	-	-
SPT4_L2	CO-E07NI	-	-1.30	0.22	-1.30	-1.00	-	-	-	-	-	-
CBL39_L2	WCW-ICA12-50JPLLR	18.10	-0.60	-0.38	-0.63	-1.62	-	-	-	-	-	-
SPT3_L2	CO-E10NI	-	-0.60	-0.98	-0.60	-2.22	-	-	-	-	-	-
CBL8_L2	WCW-ICA12-50JPLLR	51.39	-1.34	-2.32	-1.42	-3.64	-	-	-	-	-	-
SPT2_L2	CO-E07NI	-	-6.60	-8.92	-6.60	-10.24	-	-	-	-	-	-
CBL48_L2	WCW-ICA12-50JPLLR	47.51	-1.25	-10.17	-1.32	-11.56	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
MS signal range [feet]	-	-	163.20	-	136.21	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.95	-	-81.75	-	-	-	-	-	-	-
ANT11_L2 (dBd)	IX-MJN-V3P	-	-0.72	-10.89	-0.29	-11.85	-	-	-	-	-	-

ANT12 L1

Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLLR	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-15.00	-5.18	-15.00	-6.13	-	-	-	-	-	-
JMP13	JS-NMNM3F-R141	Jumper	-0.60	-5.78	-0.60	-6.73	-	-	-	-	-	-
SPT10_L1	PS-E2-ON50M(XH)	-	-3.30	-9.08	-3.30	-10.03	-	-	-	-	-	-
JMP16	JS-NMNM3F-R141	Jumper	-0.60	-9.68	-0.60	-10.63	-	-	-	-	-	-
MS signal range [feet]	-	-	171.41	-	149.62	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.46	-	-80.82	-	-	-	-	-	-	-
ANT12_L1 (dBd)	IX-MJN-V3P	-	-0.72	-10.40	-0.29	-10.92	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT12_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-15.00	-5.56	-15.00	-6.56	-	-	-	-	-	-
JMP5	JS-NMNM3F-R141	Jumper	-0.60	-6.16	-0.60	-7.16	-	-	-	-	-	-
SPT10_L2	PS-E2-ON50M(XH)	-	-3.30	-9.46	-3.30	-10.46	-	-	-	-	-	-
JMP22	JS-NMNM3F-R141	Jumper	-0.60	-10.06	-0.60	-11.06	-	-	-	-	-	-
MS signal range [feet]	-	-	164.98	-	143.27	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.84	-	-81.25	-	-	-	-	-	-	-
ANT12_L2 (dBd)	IX-MJN-V3P	-	-0.72	-10.78	-0.29	-11.35	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT13_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLLR	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-15.00	-5.18	-15.00	-6.13	-	-	-	-	-	-
JMP13	JS-NMNM3F-R141	Jumper	-0.60	-5.78	-0.60	-6.73	-	-	-	-	-	-
SPT10_L1	PS-E2-ON50M(XH)	-	-3.30	-9.08	-3.30	-10.03	-	-	-	-	-	-
CBL23_L1	WCW-ICA12-50JPLLR	59.24	-1.51	-10.60	-1.60	-11.63	-	-	-	-	-	-
MS signal range [feet]	-	-	156.41	-	135.35	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.37	-	-81.82	-	-	-	-	-	-	-
ANT13_L1 (dBd)	IX-MJN-V3P	-	-0.72	-11.32	-0.29	-11.92	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT13_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-15.00	-5.56	-15.00	-6.56	-	-	-	-	-	-
JMP5	JS-NMNM3F-R141	Jumper	-0.60	-6.16	-0.60	-7.16	-	-	-	-	-	-
SPT10_L2	PS-E2-ON50M(XH)	-	-3.30	-9.46	-3.30	-10.46	-	-	-	-	-	-
CBL28_L2	WCW-ICA12-50JPLLR	59.24	-1.51	-10.98	-1.60	-12.06	-	-	-	-	-	-
MS signal range [feet]	-	-	150.55	-	129.61	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.75	-	-82.25	-	-	-	-	-	-	-
ANT13_L2 (dBd)	IX-MJN-V3P	-	-0.72	-11.70	-0.29	-12.35	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT14_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-4.60	4.42	-4.60	3.47	-	-	-	-	-	-
CBL26_L1	WCW-ICA12-50JPLL	66.98	-1.69	2.73	-1.78	1.69	-	-	-	-	-	-
SPT13_L1	CO-E07NI	-	-1.30	1.43	-1.30	0.39	-	-	-	-	-	-
CBL30_L1	WCW-ICA12-50JPLL	47.21	-1.25	0.19	-1.32	-0.93	-	-	-	-	-	-
SPT11_L1	CO-E05NI	-	-2.00	-1.81	-2.00	-2.93	-	-	-	-	-	-
JMP14	JS-NMNM3F-R141	Jumper	-0.60	-2.41	-0.60	-3.53	-	-	-	-	-	-
SPT12_L1	PS-E3-ON50M(XH)	-	-5.40	-7.81	-5.40	-8.93	-	-	-	-	-	-
CBL32_L1	WCW-ICA12-50JPLL	58.17	-1.49	-9.31	-1.58	-10.50	-	-	-	-	-	-
MS signal range [feet]	-	-	177.97	-	151.48	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.08	-	-80.69	-	-	-	-	-	-	-
ANT14_L1 (dBd)	IX-MJN-V3P	-	-0.72	-10.03	-0.29	-10.79	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT14_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-4.60	4.04	-4.60	3.04	-	-	-	-	-	-
CBL37_L2	WCW-ICA12-50JPLLR	66.98	-1.69	2.35	-1.78	1.26	-	-	-	-	-	-
SPT11_L2	CO-E07NI	-	-1.30	1.05	-1.30	-0.04	-	-	-	-	-	-
CBL13_L2	WCW-ICA12-50JPLLR	47.21	-1.25	-0.20	-1.32	-1.36	-	-	-	-	-	-
SPT13_L2	CO-E05NI	-	-2.00	-2.20	-2.00	-3.36	-	-	-	-	-	-
JMP10	JS-NMNM3F-R141	Jumper	-0.60	-2.80	-0.60	-3.96	-	-	-	-	-	-
SPT14_L2	PS-E3-ON50M(XH)	-	-5.40	-8.20	-5.40	-9.36	-	-	-	-	-	-
CBL49_L2	WCW-ICA12-50JPLLR	58.17	-1.49	-9.69	-1.58	-10.94	-	-	-	-	-	-
MS signal range [feet]	-	-	171.30	-	145.05	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.46	-	-81.13	-	-	-	-	-	-	-
ANT14_L2 (dBd)	IX-MJN-V3P	-	-0.72	-10.41	-0.29	-11.23	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT15_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-4.60	4.42	-4.60	3.47	-	-	-	-	-	-
CBL26_L1	WCW-ICA12-50JPLL	66.98	-1.69	2.73	-1.78	1.69	-	-	-	-	-	-
SPT13_L1	CO-E07NI	-	-6.60	-3.87	-6.60	-4.91	-	-	-	-	-	-
JMP19	JS-NMNM3F-R141	Jumper	-0.60	-4.47	-0.60	-5.51	-	-	-	-	-	-
SPT14_L1	PS-E2-ON50M(XH)	-	-3.30	-7.77	-3.30	-8.81	-	-	-	-	-	-
CBL27_L1	WCW-ICA12-50JPLL	45.61	-1.21	-8.98	-1.28	-10.09	-	-	-	-	-	-
MS signal range [feet]	-	-	183.88	-	157.88	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-78.76	-	-80.28	-	-	-	-	-	-	-
ANT15_L1 (dBd)	IX-MJN-V3P	-	-0.72	-9.70	-0.29	-10.38	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT15_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLL	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLL	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-4.60	4.04	-4.60	3.04	-	-	-	-	-	-
CBL37_L2	WCW-ICA12-50JPLL	66.98	-1.69	2.35	-1.78	1.26	-	-	-	-	-	-
SPT11_L2	CO-E07NI	-	-6.60	-4.25	-6.60	-5.34	-	-	-	-	-	-
JMP9	JS-NMNM3F-R141	Jumper	-0.60	-4.85	-0.60	-5.94	-	-	-	-	-	-
SPT12_L2	PS-E2-ON50M(XH)	-	-3.30	-8.15	-3.30	-9.24	-	-	-	-	-	-
CBL20_L2	WCW-ICA12-50JPLL	45.61	-1.21	-9.36	-1.28	-10.52	-	-	-	-	-	-
MS signal range [feet]	-	-	176.99	-	151.18	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.14	-	-80.71	-	-	-	-	-	-	-
ANT15_L2 (dBd)	IX-MJN-V3P	-	-0.72	-10.08	-0.29	-10.81	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT16_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLLR	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-4.60	4.42	-4.60	3.47	-	-	-	-	-	-
CBL26_L1	WCW-ICA12-50JPLLR	66.98	-1.69	2.73	-1.78	1.69	-	-	-	-	-	-
SPT13_L1	CO-E07NI	-	-1.30	1.43	-1.30	0.39	-	-	-	-	-	-
CBL30_L1	WCW-ICA12-50JPLLR	47.21	-1.25	0.19	-1.32	-0.93	-	-	-	-	-	-
SPT11_L1	CO-E05NI	-	-4.60	-4.41	-4.60	-5.53	-	-	-	-	-	-
CBL34_L1	WCW-ICA12-50JPLLR	45.26	-1.20	-5.62	-1.27	-6.80	-	-	-	-	-	-
SPT15_L1	PS-E2-ON50M(XH)	-	-3.30	-8.92	-3.30	-10.10	-	-	-	-	-	-
CBL35_L1	WCW-ICA12-50JPLLR	35.65	-0.99	-9.91	-1.04	-11.14	-	-	-	-	-	-
MS signal range [feet]	-	-	167.52	-	142.11	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.69	-	-81.33	-	-	-	-	-	-	-
ANT16_L1 (dBd)	IX-MJN-V3P	-	-0.72	-10.63	-0.29	-11.43	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT16_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-4.60	4.04	-4.60	3.04	-	-	-	-	-	-
CBL37_L2	WCW-ICA12-50JPLLR	66.98	-1.69	2.35	-1.78	1.26	-	-	-	-	-	-
SPT11_L2	CO-E07NI	-	-1.30	1.05	-1.30	-0.04	-	-	-	-	-	-
CBL13_L2	WCW-ICA12-50JPLLR	47.21	-1.25	-0.20	-1.32	-1.36	-	-	-	-	-	-
SPT13_L2	CO-E05NI	-	-4.60	-4.80	-4.60	-5.96	-	-	-	-	-	-
CBL42_L2	WCW-ICA12-50JPLLR	45.26	-1.20	-6.00	-1.27	-7.23	-	-	-	-	-	-
SPT15_L2	PS-E2-ON50M(XH)	-	-3.30	-9.30	-3.30	-10.53	-	-	-	-	-	-
CBL31_L2	WCW-ICA12-50JPLLR	35.65	-0.99	-10.29	-1.04	-11.57	-	-	-	-	-	-
MS signal range [feet]	-	-	161.24	-	136.08	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.07	-	-81.76	-	-	-	-	-	-	-
ANT16_L2 (dBd)	IX-MJN-V3P	-	-0.72	-11.01	-0.29	-11.86	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT17_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-4.60	4.42	-4.60	3.47	-	-	-	-	-	-
CBL26_L1	WCW-ICA12-50JPLL	66.98	-1.69	2.73	-1.78	1.69	-	-	-	-	-	-
SPT13_L1	CO-E07NI	-	-1.30	1.43	-1.30	0.39	-	-	-	-	-	-
CBL30_L1	WCW-ICA12-50JPLL	47.21	-1.25	0.19	-1.32	-0.93	-	-	-	-	-	-
SPT11_L1	CO-E05NI	-	-2.00	-1.81	-2.00	-2.93	-	-	-	-	-	-
JMP14	JS-NMNM3F-R141	Jumper	-0.60	-2.41	-0.60	-3.53	-	-	-	-	-	-
SPT12_L1	PS-E3-ON50M(XH)	-	-5.40	-7.81	-5.40	-8.93	-	-	-	-	-	-
CBL33_L1	WCW-ICA12-50JPLL	55.96	-1.44	-9.26	-1.52	-10.45	-	-	-	-	-	-
MS signal range [feet]	-	-	178.85	-	152.27	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.03	-	-80.64	-	-	-	-	-	-	-
ANT17_L1 (dBd)	IX-MJN-V3P	-	-0.72	-9.98	-0.29	-10.74	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT17_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-4.60	4.04	-4.60	3.04	-	-	-	-	-	-
CBL37_L2	WCW-ICA12-50JPLLR	66.98	-1.69	2.35	-1.78	1.26	-	-	-	-	-	-
SPT11_L2	CO-E07NI	-	-1.30	1.05	-1.30	-0.04	-	-	-	-	-	-
CBL13_L2	WCW-ICA12-50JPLLR	47.21	-1.25	-0.20	-1.32	-1.36	-	-	-	-	-	-
SPT13_L2	CO-E05NI	-	-2.00	-2.20	-2.00	-3.36	-	-	-	-	-	-
JMP10	JS-NMNM3F-R141	Jumper	-0.60	-2.80	-0.60	-3.96	-	-	-	-	-	-
SPT14_L2	PS-E3-ON50M(XH)	-	-5.40	-8.20	-5.40	-9.36	-	-	-	-	-	-
CBL46_L2	WCW-ICA12-50JPLLR	55.96	-1.44	-9.64	-1.52	-10.88	-	-	-	-	-	-
MS signal range [feet]	-	-	172.15	-	145.81	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-79.42	-	-81.07	-	-	-	-	-	-	-
ANT17_L2 (dBd)	IX-MJN-V3P	-	-0.72	-10.36	-0.29	-11.17	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT18_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-2.00	7.02	-2.00	6.07	-	-	-	-	-	-
CBL14_L1	WCW-ICA12-50JPLL	89.34	-2.18	4.84	-2.31	3.76	-	-	-	-	-	-
SPT7_L1	CO-E07NI	-	-1.30	3.54	-1.30	2.46	-	-	-	-	-	-
CBL22_L1	WCW-ICA12-50JPLL	64.45	-1.63	1.91	-1.72	0.74	-	-	-	-	-	-
SPT4_L1	CO-E07NI	-	-6.60	-4.69	-6.60	-5.86	-	-	-	-	-	-
JMP6	JS-NMNM3F-R141	Jumper	-0.60	-5.29	-0.60	-6.46	-	-	-	-	-	-
SPT5_L1	CO-E05NI	-	-4.60	-9.89	-4.60	-11.06	-	-	-	-	-	-
JMP1	JS-NMNM3F-R141	Jumper	-0.60	-10.49	-0.60	-11.66	-	-	-	-	-	-
MS signal range [feet]	-	-	158.02	-	134.86	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.27	-	-81.85	-	-	-	-	-	-	-
ANT18_L1 (dBd)	IX-MJN-V3P	-	-0.72	-11.21	-0.29	-11.95	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT18_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLLR	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLLR	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLLR	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-2.00	6.64	-2.00	5.64	-	-	-	-	-	-
CBL40_L2	WCW-ICA12-50JPLLR	89.34	-2.18	4.45	-2.31	3.33	-	-	-	-	-	-
SPT7_L2	CO-E07NI	-	-1.30	3.15	-1.30	2.03	-	-	-	-	-	-
CBL47_L2	WCW-ICA12-50JPLLR	64.45	-1.63	1.52	-1.72	0.30	-	-	-	-	-	-
SPT4_L2	CO-E07NI	-	-6.60	-5.08	-6.60	-6.30	-	-	-	-	-	-
JMP17	JS-NMNM3F-R141	Jumper	-0.60	-5.68	-0.60	-6.90	-	-	-	-	-	-
SPT5_L2	CO-E05NI	-	-4.60	-10.28	-4.60	-11.50	-	-	-	-	-	-
JMP3	JS-NMNM3F-R141	Jumper	-0.60	-10.88	-0.60	-12.10	-	-	-	-	-	-
MS signal range [feet]	-	-	152.10	-	129.14	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-80.65	-	-82.29	-	-	-	-	-	-	-
ANT18_L2 (dBd)	IX-MJN-V3P	-	-0.72	-11.60	-0.29	-12.39	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT19_L1												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
JMP4	JS-NMNM3F-R141	Jumper	-0.60	10.92	-0.60	10.02	-	-	-	-	-	-
SPT6_L1	CO-E20NI	-	-0.20	10.72	-0.20	9.82	-	-	-	-	-	-
CBL16_L1	WCW-ICA12-50JPLL	31.58	-0.90	9.82	-0.95	8.87	-	-	-	-	-	-
SPT9_L1	CO-E15NI	-	-0.20	9.62	-0.20	8.67	-	-	-	-	-	-
JMP2	JS-NMNM3F-R141	Jumper	-0.60	9.02	-0.60	8.07	-	-	-	-	-	-
SPT17_L1	CO-E05NI	-	-4.60	4.42	-4.60	3.47	-	-	-	-	-	-
CBL26_L1	WCW-ICA12-50JPLL	66.98	-1.69	2.73	-1.78	1.69	-	-	-	-	-	-
SPT13_L1	CO-E07NI	-	-1.30	1.43	-1.30	0.39	-	-	-	-	-	-
CBL30_L1	WCW-ICA12-50JPLL	47.21	-1.25	0.19	-1.32	-0.93	-	-	-	-	-	-
SPT11_L1	CO-E05NI	-	-2.00	-1.81	-2.00	-2.93	-	-	-	-	-	-
JMP14	JS-NMNM3F-R141	Jumper	-0.60	-2.41	-0.60	-3.53	-	-	-	-	-	-
SPT12_L1	PS-E3-ON50M(XH)	-	-5.40	-7.81	-5.40	-8.93	-	-	-	-	-	-
JMP20	JS-NMNM3F-R141	Jumper	-0.60	-8.41	-0.60	-9.53	-	-	-	-	-	-
MS signal range [feet]	-	-	194.57	-	167.02	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-78.19	-	-79.72	-	-	-	-	-	-	-
ANT19_L1 (dBd)	IX-MJN-V3P	-	-0.72	-9.13	-0.29	-9.82	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
			Gain/loss (dB)	(dBm)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)
ANT19_L2												
Donor (ANT1_Roof)	OY-MN-V11P	-	-97.20	-57.20	-97.66	-57.66	-	-	-	-	-	-
CBL52_Roof	LDF4-50A	307.31	-6.15	-63.34	-6.52	-64.18	-	-	-	-	-	-
MSC2	LP-GTR-NFF	-	-0.10	-63.44	-0.10	-64.28	-	-	-	-	-	-
CBL3_L2	WCW-ICA12-50JPLL	42.22	-1.14	-64.58	-1.20	-65.48	-	-	-	-	-	-
RPT1_L1	RX78V3-A3327P0-S1	-	80.00	15.42	80.00	14.52	-	-	-	-	-	-
JMP12	JS-NMNM3F-R141	Jumper	-0.60	14.82	-0.60	13.92	-	-	-	-	-	-
SPT16_L1	PS-E2-ON50M(XH)	-	-3.30	11.52	-3.30	10.62	-	-	-	-	-	-
CBL50_L1	WCW-ICA12-50JPLL	35.22	-0.98	10.54	-1.03	9.59	-	-	-	-	-	-
SPT6_L2	CO-E20NI	-	-0.20	10.34	-0.20	9.39	-	-	-	-	-	-
CBL21_L2	WCW-ICA12-50JPLL	31.58	-0.90	9.44	-0.95	8.44	-	-	-	-	-	-
SPT9_L2	CO-E15NI	-	-0.20	9.24	-0.20	8.24	-	-	-	-	-	-
JMP15	JS-NMNM3F-R141	Jumper	-0.60	8.64	-0.60	7.64	-	-	-	-	-	-
SPT16_L2	CO-E05NI	-	-4.60	4.04	-4.60	3.04	-	-	-	-	-	-
CBL37_L2	WCW-ICA12-50JPLL	66.98	-1.69	2.35	-1.78	1.26	-	-	-	-	-	-
SPT11_L2	CO-E07NI	-	-1.30	1.05	-1.30	-0.04	-	-	-	-	-	-
CBL13_L2	WCW-ICA12-50JPLL	47.21	-1.25	-0.20	-1.32	-1.36	-	-	-	-	-	-
SPT13_L2	CO-E05NI	-	-2.00	-2.20	-2.00	-3.36	-	-	-	-	-	-
JMP10	JS-NMNM3F-R141	Jumper	-0.60	-2.80	-0.60	-3.96	-	-	-	-	-	-
SPT14_L2	PS-E3-ON50M(XH)	-	-5.40	-8.20	-5.40	-9.36	-	-	-	-	-	-
JMP18	JS-NMNM3F-R141	Jumper	-0.60	-8.80	-0.60	-9.96	-	-	-	-	-	-
MS signal range [feet]	-	-	187.28	-	159.94	-	-	-	-	-	-	-
MS RSSI [dBm]	-	-	-78.57	-	-80.15	-	-	-	-	-	-	-
ANT19_L2 (dBd)	IX-MJN-V3P	-	-0.72	-9.52	-0.29	-10.25	-	-	-	-	-	-

		System link budget									
Downlink	Model	700 MHz - P25 - Sector N/A		800 MHz - SMR - P25 - Sector N/A		Gain/loss		Gain/loss		Gain/loss	
		Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)

OffAir1 (700 MHz - P25 - Sector N/A)

Antenna Gain (dBd)	-	-2.15	37.85	-	-	-	-	-	-	-	-
Antenna Pattern Loss	-	-20.00	-57.20	-	-	-	-	-	-	-	-
Feeder losses	-	0.00	40.00	-	-	-	-	-	-	-	-
FSL (0.50 mi)	-	-88.35	-48.35	-	-	-	-	-	-	-	-
Isotropic offset	-	2.15	40.00	-	-	-	-	-	-	-	-
Isotropic offset	-	2.15	-37.20	-	-	-	-	-	-	-	-
OffAir- Donor Gain (dBd)	OY-MN-V11P	9.00	-39.35	-	-	-	-	-	-	-	-
TX comb. losses	-	0.00	40.00	-	-	-	-	-	-	-	-
Power out	-	-	-57.20	-	-	-	-	-	-	-	-
TX power/ch	-	-	40.00	-	-	-	-	-	-	-	-

OffAir2 (800 MHz - SMR - P25 - Sector N/A)

Antenna Gain (dBd)	-	-	-	-2.15	37.85	-	-	-	-	-	-
Antenna Pattern Loss	-	-	-	-20.00	-57.66	-	-	-	-	-	-
Feeder losses	-	-	-	0.00	40.00	-	-	-	-	-	-
FSL (0.50 mi)	-	-	-	-89.19	-49.19	-	-	-	-	-	-
Isotropic offset	-	-	-	2.15	40.00	-	-	-	-	-	-
Isotropic offset	-	-	-	2.15	-37.66	-	-	-	-	-	-
OffAir- Donor Gain (dBd)	OY-MN-V11P	-	-	9.38	-39.81	-	-	-	-	-	-
TX comb. losses	-	-	-	0.00	40.00	-	-	-	-	-	-
Power out	-	-	-	-	-57.66	-	-	-	-	-	-
TX power/ch	-	-	-	-	40.00	-	-	-	-	-	-

System legend	
Pierce County & Puyallup System / P25 / 700 MHz / Phase 1 / Nb. of channels: 17 / Nb. of sources: 1	
Puyallup System / P25 / 800 MHz - SMR / NPSPAC / Nb. of channels: 2 / Nb. of sources: 1	

Calculation legend	
700 MHz - P25 - Sector N/A / MS RSSI [dBm] (at 98.43 [feet]) / MS signal range [feet] (for -85.00 [dBm])	
800 MHz - SMR - P25 - Sector N/A / MS RSSI [dBm] (at 98.43 [feet]) / MS signal range [feet] (for -85.00 [dBm])	

Compliance Report

Project name: Puyallup Police
Project creation date: 3/13/2025

Design company: 22122 20th Ave. SE
Designer: IS

Pierce County & Puyallup System - 700 MHz - P25

Dominance over macro				Min 15.00 dB Target: 95.0 %							
		Average	Total area (Sq. feet)	Result (%)	Compliant	Result	Compliant	Result	Compliant	Result	Compliant
new building	L1	N/A	89945.75	99.7	Yes						
	L2	N/A	89945.75	99.7	Yes						
	All Floors	N/A	179891.50	99.7	Yes						
Signal strength				Min -85.00 dBm Target: 95.0 %							
		Average	Total area (Sq. feet)	Result (%)	Compliant	Result	Compliant	Result	Compliant	Result	Compliant
new building	L1	N/A	89945.75	100.0	Yes						
	L2	N/A	89945.75	100.0	Yes						
	All Floors	N/A	179891.50	100.0	Yes						

Puyallup System - 800 MHz - SMR - P25

Dominance over macro				Min 15.00 dB Target: 95.0 %							
		Average	Total area (Sq. feet)	Result (%)	Compliant	Result	Compliant	Result	Compliant	Result	Compliant
new building	L1	N/A	89945.75	99.7	Yes						
	L2	N/A	89945.75	99.7	Yes						
	All Floors	N/A	179891.50	99.7	Yes						
Signal strength				Min -85.00 dBm Target: 95.0 %							
		Average	Total area (Sq. feet)	Result (%)	Compliant	Result	Compliant	Result	Compliant	Result	Compliant
new building	L1	N/A	89945.75	100.0	Yes						
	L2	N/A	89945.75	100.0	Yes						
	All Floors	N/A	179891.50	100.0	Yes						