

Downlink Link Budget Report

Project name: St. Joseph Manor Design company: Mobile Comm.
Project creation date: 6/1/2022 Designer: Thomas Sullivan

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)						
ANT2												
ANT2 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-6.52	-0.14	-8.45	-	-	-	-	-	-
CBL9 between SPT4 & ANT2	AL4RPV-50	15.01	-0.43	-6.38	-0.46	-8.31	-	-	-	-	-	-
SPT4	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-5.95	-6.00	-7.85	-	-	-	-	-	-
CBL8 between SPT2 & SPT4	AL4RPV-50	21.40	-0.56	0.05	-0.61	-1.85	-	-	-	-	-	-
SPT2	S-2-CPUSE-L-N	-	-3.30	0.61	-3.30	-1.23	-	-	-	-	-	-
CBL4 between SPT1 & SPT2	AL4RPV-50	24.63	-0.63	3.91	-0.69	2.07	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-10.00	4.55	-10.00	2.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT3

ANT3 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-10.42	-0.14	-12.61	-	-	-	-	-	-
CBL11 between SPT5 & ANT3	AL4RPV-50	6.50	-0.24	-10.28	-0.26	-12.47	-	-	-	-	-	-
SPT5	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-10.04	-6.00	-12.21	-	-	-	-	-	-
CBL10 between SPT4 & SPT5	AL4RPV-50	114.74	-2.58	-4.04	-2.86	-6.21	-	-	-	-	-	-
SPT4	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-1.45	-1.50	-3.35	-	-	-	-	-	-
CBL8 between SPT2 & SPT4	AL4RPV-50	21.40	-0.56	0.05	-0.61	-1.85	-	-	-	-	-	-
SPT2	S-2-CPUSE-L-N	-	-3.30	0.61	-3.30	-1.23	-	-	-	-	-	-
CBL4 between SPT1 & SPT2	AL4RPV-50	24.63	-0.63	3.91	-0.69	2.07	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-10.00	4.55	-10.00	2.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
ANT4												
ANT4 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-5.88	-0.14	-7.84	-	-	-	-	-	-
CBL16 between SPT9 & ANT4	AL4RPV-50	14.96	-0.42	-5.74	-0.46	-7.70	-	-	-	-	-	-
SPT9	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-5.32	-6.00	-7.24	-	-	-	-	-	-
CBL13 between SPT7 & SPT9	AL4RPV-50	21.33	-0.56	0.68	-0.61	-1.24	-	-	-	-	-	-
SPT7	S-2-CPUSE-L-N	-	-3.30	1.25	-3.30	-0.63	-	-	-	-	-	-
CBL19 between SPT6 & SPT7	AL4RPV-50	24.56	-0.63	4.55	-0.69	2.67	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-8.00	5.18	-8.00	3.36	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT5

ANT5 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-6.63	-0.14	-8.68	-	-	-	-	-	-
CBL14 between SPT8 & ANT5	AL4RPV-50	5.49	-0.22	-6.49	-0.23	-8.54	-	-	-	-	-	-
SPT8	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-6.27	-6.00	-8.31	-	-	-	-	-	-
CBL15 between SPT7 & SPT8	AL4RPV-50	65.60	-1.52	-0.27	-1.68	-2.31	-	-	-	-	-	-
SPT7	S-2-CPUSE-L-N	-	-3.30	1.25	-3.30	-0.63	-	-	-	-	-	-
CBL19 between SPT6 & SPT7	AL4RPV-50	24.56	-0.63	4.55	-0.69	2.67	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-8.00	5.18	-8.00	3.36	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

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ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
ANT6												
ANT6 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-4.19	-0.14	-6.46	-	-	-	-	-	-
CBL18 between SPT8 & ANT6	AL4RPV-50	100.24	-2.27	-4.05	-2.51	-6.32	-	-	-	-	-	-
SPT8	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-1.77	-1.50	-3.81	-	-	-	-	-	-
CBL15 between SPT7 & SPT8	AL4RPV-50	65.60	-1.52	-0.27	-1.68	-2.31	-	-	-	-	-	-
SPT7	S-2-CPUSE-L-N	-	-3.30	1.25	-3.30	-0.63	-	-	-	-	-	-
CBL19 between SPT6 & SPT7	AL4RPV-50	24.56	-0.63	4.55	-0.69	2.67	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-8.00	5.18	-8.00	3.36	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

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)						
ANT7												
ANT7 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-9.77	-0.14	-11.99	-	-	-	-	-	-
CBL17 between SPT10 & ANT7	AL4RPV-50	6.47	-0.24	-9.63	-0.26	-11.85	-	-	-	-	-	-
SPT10	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-9.39	-6.00	-11.59	-	-	-	-	-	-
CBL20 between SPT9 & SPT10	AL4RPV-50	114.37	-2.58	-3.39	-2.85	-5.59	-	-	-	-	-	-
SPT9	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-0.82	-1.50	-2.74	-	-	-	-	-	-
CBL13 between SPT7 & SPT9	AL4RPV-50	21.33	-0.56	0.68	-0.61	-1.24	-	-	-	-	-	-
SPT7	S-2-CPUSE-L-N	-	-3.30	1.25	-3.30	-0.63	-	-	-	-	-	-
CBL19 between SPT6 & SPT7	AL4RPV-50	24.56	-0.63	4.55	-0.69	2.67	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-8.00	5.18	-8.00	3.36	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-

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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)
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT8

ANT8 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-7.22	-0.14	-9.66	-	-	-	-	-	-
CBL21 between SPT10 & ANT8	AL4RPV-50	96.62	-2.19	-7.08	-2.42	-9.52	-	-	-	-	-	-
SPT10	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-4.89	-1.50	-7.09	-	-	-	-	-	-
CBL20 between SPT9 & SPT10	AL4RPV-50	114.37	-2.58	-3.39	-2.85	-5.59	-	-	-	-	-	-
SPT9	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-0.82	-1.50	-2.74	-	-	-	-	-	-
CBL13 between SPT7 & SPT9	AL4RPV-50	21.33	-0.56	0.68	-0.61	-1.24	-	-	-	-	-	-
SPT7	S-2-CPUSE-L-N	-	-3.30	1.25	-3.30	-0.63	-	-	-	-	-	-
CBL19 between SPT6 & SPT7	AL4RPV-50	24.56	-0.63	4.55	-0.69	2.67	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-8.00	5.18	-8.00	3.36	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-

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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)
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

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ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
ANT9												
ANT9 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-5.56	-0.14	-7.55	-	-	-	-	-	-
CBL26 between SPT14 & ANT9	AL4RPV-50	14.94	-0.42	-5.42	-0.46	-7.41	-	-	-	-	-	-
SPT14	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-5.00	-6.00	-6.95	-	-	-	-	-	-
CBL23 between SPT12 & SPT14	AL4RPV-50	21.29	-0.56	1.00	-0.61	-0.95	-	-	-	-	-	-
SPT12	S-2-CPUSE-L-N	-	-3.30	1.57	-3.30	-0.34	-	-	-	-	-	-
CBL29 between SPT11 & SPT12	AL4RPV-50	24.51	-0.63	4.87	-0.69	2.96	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	5.50	-6.00	3.65	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-

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)
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT10

ANT10 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-6.31	-0.14	-8.39	-	-	-	-	-	-
CBL24 between SPT13 & ANT10	AL4RPV-50	5.48	-0.22	-6.17	-0.23	-8.25	-	-	-	-	-	-
SPT13	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-5.95	-6.00	-8.01	-	-	-	-	-	-
CBL25 between SPT12 & SPT13	AL4RPV-50	65.47	-1.52	0.05	-1.67	-2.01	-	-	-	-	-	-
SPT12	S-2-CPUSE-L-N	-	-3.30	1.57	-3.30	-0.34	-	-	-	-	-	-
CBL29 between SPT11 & SPT12	AL4RPV-50	24.51	-0.63	4.87	-0.69	2.96	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	5.50	-6.00	3.65	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-

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)
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT11

ANT11 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-3.86	-0.14	-6.16	-	-	-	-	-	-
CBL28 between SPT13 & ANT11	AL4RPV-50	100.04	-2.27	-3.72	-2.51	-6.02	-	-	-	-	-	-
SPT13	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-1.45	-1.50	-3.51	-	-	-	-	-	-
CBL25 between SPT12 & SPT13	AL4RPV-50	65.47	-1.52	0.05	-1.67	-2.01	-	-	-	-	-	-
SPT12	S-2-CPUSE-L-N	-	-3.30	1.57	-3.30	-0.34	-	-	-	-	-	-
CBL29 between SPT11 & SPT12	AL4RPV-50	24.51	-0.63	4.87	-0.69	2.96	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	5.50	-6.00	3.65	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-

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)
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT12

ANT12 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-9.45	-0.14	-11.69	-	-	-	-	-	-
CBL27 between SPT15 & ANT12	AL4RPV-50	6.46	-0.24	-9.31	-0.26	-11.55	-	-	-	-	-	-
SPT15	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-9.07	-6.00	-11.30	-	-	-	-	-	-
CBL30 between SPT14 & SPT15	AL4RPV-50	114.14	-2.57	-3.07	-2.85	-5.30	-	-	-	-	-	-
SPT14	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-0.50	-1.50	-2.45	-	-	-	-	-	-
CBL23 between SPT12 & SPT14	AL4RPV-50	21.29	-0.56	1.00	-0.61	-0.95	-	-	-	-	-	-
SPT12	S-2-CPUSE-L-N	-	-3.30	1.57	-3.30	-0.34	-	-	-	-	-	-
CBL29 between SPT11 & SPT12	AL4RPV-50	24.51	-0.63	4.87	-0.69	2.96	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	5.50	-6.00	3.65	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-

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)						
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT13

ANT13 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-6.90	-0.14	-9.36	-	-	-	-	-	-
CBL31 between SPT15 & ANT13	AL4RPV-50	96.43	-2.19	-6.76	-2.42	-9.22	-	-	-	-	-	-
SPT15	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-4.57	-1.50	-6.80	-	-	-	-	-	-
CBL30 between SPT14 & SPT15	AL4RPV-50	114.14	-2.57	-3.07	-2.85	-5.30	-	-	-	-	-	-
SPT14	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-0.50	-1.50	-2.45	-	-	-	-	-	-
CBL23 between SPT12 & SPT14	AL4RPV-50	21.29	-0.56	1.00	-0.61	-0.95	-	-	-	-	-	-
SPT12	S-2-CPUSE-L-N	-	-3.30	1.57	-3.30	-0.34	-	-	-	-	-	-
CBL29 between SPT11 & SPT12	AL4RPV-50	24.51	-0.63	4.87	-0.69	2.96	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	5.50	-6.00	3.65	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-

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)						
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT14

ANT14 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-7.37	-0.14	-9.52	-	-	-	-	-	-
CBL36 between SPT19 & ANT14	AL4RPV-50	15.07	-0.43	-7.23	-0.46	-9.38	-	-	-	-	-	-
SPT19	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-6.81	-6.00	-8.92	-	-	-	-	-	-
CBL33 between SPT17 & SPT19	AL4RPV-50	21.49	-0.57	-0.81	-0.62	-2.92	-	-	-	-	-	-
SPT17	S-2-CPUSE-L-N	-	-3.30	-0.24	-3.30	-2.30	-	-	-	-	-	-
CBL39 between SPT16 & SPT17	AL4RPV-50	24.73	-0.64	3.06	-0.69	1.00	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-4.80	3.69	-4.80	1.69	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-

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)						
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT15

ANT15 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-8.13	-0.14	-10.36	-	-	-	-	-	-
CBL34 between SPT18 & ANT15	AL4RPV-50	5.53	-0.22	-7.99	-0.23	-10.22	-	-	-	-	-	-
SPT18	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-7.77	-6.00	-9.99	-	-	-	-	-	-
CBL35 between SPT17 & SPT18	AL4RPV-50	66.07	-1.53	-1.77	-1.69	-3.99	-	-	-	-	-	-
SPT17	S-2-CPUSE-L-N	-	-3.30	-0.24	-3.30	-2.30	-	-	-	-	-	-
CBL39 between SPT16 & SPT17	AL4RPV-50	24.73	-0.64	3.06	-0.69	1.00	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-4.80	3.69	-4.80	1.69	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-

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)						
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT16

ANT16 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-5.70	-0.14	-8.16	-	-	-	-	-	-
CBL38 between SPT18 & ANT16	AL4RPV-50	100.97	-2.29	-5.56	-2.53	-8.02	-	-	-	-	-	-
SPT18	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-3.27	-1.50	-5.49	-	-	-	-	-	-
CBL35 between SPT17 & SPT18	AL4RPV-50	66.07	-1.53	-1.77	-1.69	-3.99	-	-	-	-	-	-
SPT17	S-2-CPUSE-L-N	-	-3.30	-0.24	-3.30	-2.30	-	-	-	-	-	-
CBL39 between SPT16 & SPT17	AL4RPV-50	24.73	-0.64	3.06	-0.69	1.00	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-4.80	3.69	-4.80	1.69	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-

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)						
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT17

ANT17 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-11.28	-0.14	-13.69	-	-	-	-	-	-
CBL37 between SPT20 & ANT17	AL4RPV-50	6.52	-0.24	-11.14	-0.26	-13.55	-	-	-	-	-	-
SPT20	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-10.90	-6.00	-13.29	-	-	-	-	-	-
CBL40 between SPT19 & SPT20	AL4RPV-50	115.20	-2.59	-4.90	-2.87	-7.29	-	-	-	-	-	-
SPT19	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-2.31	-1.50	-4.42	-	-	-	-	-	-
CBL33 between SPT17 & SPT19	AL4RPV-50	21.49	-0.57	-0.81	-0.62	-2.92	-	-	-	-	-	-
SPT17	S-2-CPUSE-L-N	-	-3.30	-0.24	-3.30	-2.30	-	-	-	-	-	-
CBL39 between SPT16 & SPT17	AL4RPV-50	24.73	-0.64	3.06	-0.69	1.00	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-4.80	3.69	-4.80	1.69	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-

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)						
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT18

ANT18 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-8.75	-0.14	-11.37	-	-	-	-	-	-
CBL41 between SPT20 & ANT18	AL4RPV-50	97.31	-2.21	-8.61	-2.44	-11.23	-	-	-	-	-	-
SPT20	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-6.40	-1.50	-8.79	-	-	-	-	-	-
CBL40 between SPT19 & SPT20	AL4RPV-50	115.20	-2.59	-4.90	-2.87	-7.29	-	-	-	-	-	-
SPT19	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-2.31	-1.50	-4.42	-	-	-	-	-	-
CBL33 between SPT17 & SPT19	AL4RPV-50	21.49	-0.57	-0.81	-0.62	-2.92	-	-	-	-	-	-
SPT17	S-2-CPUSE-L-N	-	-3.30	-0.24	-3.30	-2.30	-	-	-	-	-	-
CBL39 between SPT16 & SPT17	AL4RPV-50	24.73	-0.64	3.06	-0.69	1.00	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-4.80	3.69	-4.80	1.69	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-

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)						
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT19

ANT19 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-4.29	-0.14	-6.45	-	-	-	-	-	-
CBL46 between SPT24 & ANT19	AL4RPV-50	14.91	-0.42	-4.15	-0.46	-6.31	-	-	-	-	-	-
SPT24	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-3.73	-6.00	-5.86	-	-	-	-	-	-
CBL43 between SPT22 & SPT24	AL4RPV-50	21.26	-0.56	2.27	-0.61	0.14	-	-	-	-	-	-
SPT22	S-2-CPUSE-L-N	-	-3.30	2.83	-3.30	0.76	-	-	-	-	-	-
CBL57 between SPT16 & SPT22	AL4RPV-50	30.60	-0.76	6.13	-0.84	4.06	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-1.60	6.89	-1.60	4.89	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-

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)						
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT20

ANT20 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-5.20	-0.14	-7.46	-	-	-	-	-	-
CBL44 between SPT23 & ANT20	AL4RPV-50	12.76	-0.38	-5.06	-0.41	-7.32	-	-	-	-	-	-
SPT23	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-4.69	-6.00	-6.92	-	-	-	-	-	-
CBL45 between SPT22 & SPT23	AL4RPV-50	65.37	-1.52	1.31	-1.67	-0.92	-	-	-	-	-	-
SPT22	S-2-CPUSE-L-N	-	-3.30	2.83	-3.30	0.76	-	-	-	-	-	-
CBL57 between SPT16 & SPT22	AL4RPV-50	30.60	-0.76	6.13	-0.84	4.06	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-1.60	6.89	-1.60	4.89	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-

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)						
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT21

ANT21 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-2.59	-0.14	-5.06	-	-	-	-	-	-
CBL48 between SPT23 & ANT21	AL4RPV-50	99.90	-2.26	-2.45	-2.50	-4.92	-	-	-	-	-	-
SPT23	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-0.19	-1.50	-2.42	-	-	-	-	-	-
CBL45 between SPT22 & SPT23	AL4RPV-50	65.37	-1.52	1.31	-1.67	-0.92	-	-	-	-	-	-
SPT22	S-2-CPUSE-L-N	-	-3.30	2.83	-3.30	0.76	-	-	-	-	-	-
CBL57 between SPT16 & SPT22	AL4RPV-50	30.60	-0.76	6.13	-0.84	4.06	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-1.60	6.89	-1.60	4.89	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-

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)						
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT22

ANT22 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-8.18	-0.14	-10.59	-	-	-	-	-	-
CBL47 between SPT25 & ANT22	AL4RPV-50	6.45	-0.24	-8.04	-0.26	-10.45	-	-	-	-	-	-
SPT25	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-7.80	-6.00	-10.20	-	-	-	-	-	-
CBL50 between SPT24 & SPT25	AL4RPV-50	113.98	-2.57	-1.80	-2.84	-4.20	-	-	-	-	-	-
SPT24	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	0.77	-1.50	-1.36	-	-	-	-	-	-
CBL43 between SPT22 & SPT24	AL4RPV-50	21.26	-0.56	2.27	-0.61	0.14	-	-	-	-	-	-
SPT22	S-2-CPUSE-L-N	-	-3.30	2.83	-3.30	0.76	-	-	-	-	-	-
CBL57 between SPT16 & SPT22	AL4RPV-50	30.60	-0.76	6.13	-0.84	4.06	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-1.60	6.89	-1.60	4.89	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-

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)						
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT23

ANT23 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-5.62	-0.14	-8.25	-	-	-	-	-	-
CBL51 between SPT25 & ANT23	AL4RPV-50	96.28	-2.19	-5.48	-2.42	-8.11	-	-	-	-	-	-
SPT25	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-3.30	-1.50	-5.70	-	-	-	-	-	-
CBL50 between SPT24 & SPT25	AL4RPV-50	113.98	-2.57	-1.80	-2.84	-4.20	-	-	-	-	-	-
SPT24	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	0.77	-1.50	-1.36	-	-	-	-	-	-
CBL43 between SPT22 & SPT24	AL4RPV-50	21.26	-0.56	2.27	-0.61	0.14	-	-	-	-	-	-
SPT22	S-2-CPUSE-L-N	-	-3.30	2.83	-3.30	0.76	-	-	-	-	-	-
CBL57 between SPT16 & SPT22	AL4RPV-50	30.60	-0.76	6.13	-0.84	4.06	-	-	-	-	-	-
SPT16	CS05-478-114 (PT5/340-2.7K/N)	-	-1.60	6.89	-1.60	4.89	-	-	-	-	-	-
CBL42 between SPT11 & SPT16	AL4RPV-50	64.79	-1.50	8.49	-1.66	6.49	-	-	-	-	-	-
SPT11	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	10.00	-1.50	8.15	-	-	-	-	-	-
CBL32 between SPT6 & SPT11	AL4RPV-50	11.48	-0.35	11.50	-0.38	9.65	-	-	-	-	-	-
SPT6	CS05-481-114 (PT8/340-2.7K/N)	-	-1.33	11.84	-1.33	10.03	-	-	-	-	-	-
CBL22 between SPT1 & SPT6	AL4RPV-50	12.38	-0.37	13.18	-0.40	11.36	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-1.00	13.55	-1.00	11.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-

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)						
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)	800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)	Gain/loss (dB) (dBm)	Gain/loss (dB) (dBm)	Gain/loss (dB) (dBm)
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ANT5001

ANT5001 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-7.27	-0.14	-9.29	-	-	-	-	-	-
CBL7 between SPT3 & ANT5001	AL4RPV-50	5.51	-0.22	-7.13	-0.23	-9.15	-	-	-	-	-	-
SPT3	CS05-479-114 (PT6/340-2.7K/N)	-	-6.00	-6.91	-6.00	-8.92	-	-	-	-	-	-
CBL5 between SPT2 & SPT3	AL4RPV-50	65.81	-1.53	-0.91	-1.68	-2.92	-	-	-	-	-	-
SPT2	S-2-CPUSE-L-N	-	-3.30	0.61	-3.30	-1.23	-	-	-	-	-	-
CBL4 between SPT1 & SPT2	AL4RPV-50	24.63	-0.63	3.91	-0.69	2.07	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-10.00	4.55	-10.00	2.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)	800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)	Gain/loss (dB) (dBm)	Gain/loss (dB) (dBm)	Gain/loss (dB) (dBm)
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ANT5002

ANT5002 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-4.83	-0.14	-7.08	-	-	-	-	-	-
CBL6 between SPT3 & ANT5002	AL4RPV-50	100.57	-2.28	-4.69	-2.52	-6.94	-	-	-	-	-	-
SPT3	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-2.41	-1.50	-4.42	-	-	-	-	-	-
CBL5 between SPT2 & SPT3	AL4RPV-50	65.81	-1.53	-0.91	-1.68	-2.92	-	-	-	-	-	-
SPT2	S-2-CPUSE-L-N	-	-3.30	0.61	-3.30	-1.23	-	-	-	-	-	-
CBL4 between SPT1 & SPT2	AL4RPV-50	24.63	-0.63	3.91	-0.69	2.07	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-10.00	4.55	-10.00	2.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

DAS link budget report

ID	Model	Length (feet)	700 MHz - P25 - Sector N/A Gain/loss (dB) (dBm)		800 MHz - SMR - P25 - Sector N/A Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)		Gain/loss (dB) (dBm)	
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ANT5003

ANT5003 (dBd)	CELLMAX-O-CPUSE	-	-0.14	-7.87	-0.14	-10.28	-	-	-	-	-	-
CBL12 between SPT5 & ANT5003	AL4RPV-50	96.93	-2.20	-7.73	-2.43	-10.14	-	-	-	-	-	-
SPT5	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-5.54	-1.50	-7.71	-	-	-	-	-	-
CBL10 between SPT4 & SPT5	AL4RPV-50	114.74	-2.58	-4.04	-2.86	-6.21	-	-	-	-	-	-
SPT4	CS05-479-114 (PT6/340-2.7K/N)	-	-1.50	-1.45	-1.50	-3.35	-	-	-	-	-	-
CBL8 between SPT2 & SPT4	AL4RPV-50	21.40	-0.56	0.05	-0.61	-1.85	-	-	-	-	-	-
SPT2	S-2-CPUSE-L-N	-	-3.30	0.61	-3.30	-1.23	-	-	-	-	-	-
CBL4 between SPT1 & SPT2	AL4RPV-50	24.63	-0.63	3.91	-0.69	2.07	-	-	-	-	-	-
SPT1	CS05-482-114 (PT10/340-2.7K/N)	-	-10.00	4.55	-10.00	2.76	-	-	-	-	-	-
CBL56 between ATT2 & SPT1	AL4RPV-50	6.16	-0.23	14.55	-0.25	12.76	-	-	-	-	-	-
ATT2	AM-06N	-	-6.00	14.78	-6.00	13.01	-	-	-	-	-	-
CBL55 between BDA1 & ATT2	AL4RPV-50	5.08	-0.21	20.78	-0.22	19.01	-	-	-	-	-	-
BDA1	CS40-734834-AK	-	80.51	20.99	78.76	19.23	-	-	-	-	-	-
CBL2 between MSC1 & BDA1	LDF4-50A	5.20	-0.20	-59.52	-0.21	-59.53	-	-	-	-	-	-
MSC1	IS-50NX-C2-MA	-	-0.10	-59.31	-0.10	-59.32	-	-	-	-	-	-
CBL1 between ANT1 & MSC1	LDF4-50A	5.76	-0.21	-59.21	-0.22	-59.22	-	-	-	-	-	-
Donor (ANT1)	CS03-003-430 (AY/746-896/11)	-	11.00	-59.00	11.00	-59.00	-	-	-	-	-	-

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)	Gain/loss (dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)	(dB)	(dBm)

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

Isotropic offset	-	2.15	-59.00	-	-	-	-	-	-	-	-
OffAir- Donor Gain (dBd)	CS03-003-430 (AY/746-896/11)	8.85	-61.15	-	-	-	-	-	-	-	-
Measured RSSI	-	-	-70.00	-	-	-	-	-	-	-	-
Power out	-	-	-59.00	-	-	-	-	-	-	-	-

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

Isotropic offset	-	-	-	2.15	-59.00	-	-	-	-	-	-
OffAir- Donor Gain (dBd)	CS03-003-430 (AY/746-896/11)	-	-	8.85	-61.15	-	-	-	-	-	-
Measured RSSI	-	-	-	-	-70.00	-	-	-	-	-	-
Power out	-	-	-	-	-59.00	-	-	-	-	-	-

System legend											
BCPS / P25 / 700 MHz / Phase 2 / Nb. of channels: 20 / Nb. of sources: 1											
BCPS / P25 / 800 MHz - SMR / NPSPAC / Nb. of channels: 30 / Nb. of sources: 1											