

Link Budget Report

Project name: Demo Square Campus - Cellular

Design company:

Project creation date: 9/30/2016

Designer:

Antenna ID	Operator	System ID	Coupler			
			Thru Loss			Tap Loss
			Generic			Generic
			10dB	5 dB		10dB
			-10.100000 dB	-5.000000 dB		-0.550000 dB
			Qty	Qty	Subtotal (dB)	Qty
ANT0	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	1	1	-15.100000	1
ANT1	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	1		-10.100000	1
ANT2	Operator 2	850 MHz - Cellular - WCDMA - Sector 2		1	-5.000000	2
ANT3	Operator 2	850 MHz - Cellular - WCDMA - Sector 2				2
ANT4	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	2	1	-25.200000	1
ANT5	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	2		-20.200000	1
ANT6	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	1	1	-15.100000	2
ANT7	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	1		-10.100000	2
ANT8	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	3	1	-35.300000	
ANT9	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	3		-30.300000	
ANT10	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	2	1	-25.200000	1
ANT11	Operator 2	850 MHz - Cellular - WCDMA - Sector 2	2		-20.200000	1
ANT12	Operator 2	850 MHz - Cellular - WCDMA - Sector 1	1	1	-15.100000	1
ANT13	Operator 2	850 MHz - Cellular - WCDMA - Sector 1	1		-10.100000	1
ANT14	Operator 2	850 MHz - Cellular - WCDMA - Sector 1		1	-5.000000	2
ANT15	Operator 2	850 MHz - Cellular - WCDMA - Sector 1				2
ANT16	Operator 2	850 MHz - Cellular - WCDMA - Sector 1	2	1	-25.200000	
ANT17	Operator 2	850 MHz - Cellular - WCDMA - Sector 1	2		-20.200000	
ANT18	Operator 2	850 MHz - Cellular - WCDMA - Sector 1	1		-10.100000	1
ANT19	Operator 2	850 MHz - Cellular - WCDMA - Sector 1	1	1	-15.100000	1
ANT20	Operator 2	850 MHz - Cellular - WCDMA - Sector 3				1
ANT21	Operator 2	850 MHz - Cellular - WCDMA - Sector 3		1	-5.000000	1
ANT22	Operator 2	850 MHz - Cellular - WCDMA - Sector 3	1		-10.100000	1
ANT23	Operator 2	850 MHz - Cellular - WCDMA - Sector 3	1	1	-15.100000	1
ANT24	Operator 2	850 MHz - Cellular - WCDMA - Sector 3	2		-20.200000	
ANT25	Operator 2	850 MHz - Cellular - WCDMA - Sector 3	2	1	-25.200000	

Total number of antennas: 26

Total number of radiating cables: 0

Coupler		Cable		Other			Summary	
Tap Loss							Sys Out Pwr	
Generic		CommScope		Microlab/FXR			Pilot	Total
5 dB		HL4RP-50		BK-62N	KM-90N			
-1.260000 dB				-0.700000 dB	-6.500000 dB			
Qty	Subtotal (dB)	Length (m)	Subtotal (dB)	Qty	Qty	Subtotal (dB)	(dBm)	(dBm)
	-0.550000		-2.176542	1	1	-7.200000	15.000000	25.000000
1	-1.810000	42.55	-5.461321	1	1	-7.200000	15.000000	25.000000
	-1.100000		-2.822108	1	1	-7.200000	15.000000	25.000000
1	-2.360000	39.98	-5.908783	1	1	-7.200000	15.000000	25.000000
	-0.550000		-2.025403	1	1	-7.200000	15.000000	25.000000
1	-1.810000	42.80	-5.329564	1	1	-7.200000	15.000000	25.000000
	-1.100000		-2.724205	1	1	-7.200000	15.000000	25.000000
1	-2.360000	40.09	-5.819538	1	1	-7.200000	15.000000	25.000000
			-2.265846	1	1	-7.200000	15.000000	25.000000
1	-1.260000	42.39	-5.538123	1	1	-7.200000	15.000000	25.000000
	-0.550000		-2.864097	1	1	-7.200000	15.000000	25.000000
1	-1.810000	38.61	-5.845149	1	1	-7.200000	15.000000	25.000000
	-0.550000		-2.623965	1	1	-7.200000	10.000000	20.000000
1	-1.810000	39.90	-5.703881	1	1	-7.200000	10.000000	20.000000
	-1.100000		-3.161323	1	1	-7.200000	10.000000	20.000000
1	-2.360000	40.12	-6.258860	1	1	-7.200000	10.000000	20.000000
			-2.740375	1	1	-7.200000	10.000000	20.000000
1	-1.260000	42.85	-6.048296	1	1	-7.200000	10.000000	20.000000
1	-1.810000	38.68	-6.536652	1	1	-7.200000	10.000000	20.000000
	-0.550000		-3.550919	1	1	-7.200000	10.000000	20.000000
1	-1.810000	35.54	-2.743627	1	1	-7.200000	10.000000	20.000000
	-0.550000			1	1	-7.200000	10.000000	20.000000
1	-1.810000	36.22	-2.796117	1	1	-7.200000	10.000000	20.000000
	-0.550000			1	1	-7.200000	10.000000	20.000000
1	-1.260000	36.26	-2.799367	1	1	-7.200000	10.000000	20.000000
				1	1	-7.200000	10.000000	20.000000

Summary			
Total DAS Gain/Loss	Antenna Gain	Antenna ERP	
		Pilot	Pwr per Ch.
(dB)	(dBd)	(dBm)	(dBm)
-25.526542	0.250000	-10.276542	-0.276542
-25.071321	0.250000	-9.821321	0.178679
-16.622108	0.250000	-1.372108	8.627892
-15.968783	0.250000	-0.718783	9.281217
-35.475403	0.250000	-20.225403	-10.225403
-35.039564	0.250000	-19.789564	-9.789564
-26.624206	0.250000	-11.374206	-1.374206
-25.979539	0.250000	-10.729539	-0.729539
-44.765846	0.250000	-29.515846	-19.515846
-44.298123	0.250000	-29.048123	-19.048123
-35.814098	0.250000	-20.564098	-10.564098
-35.055150	0.250000	-19.805150	-9.805150
-26.473965	0.250000	-16.223965	-6.223965
-25.813881	0.250000	-15.563881	-5.563881
-17.961323	0.250000	-7.711323	2.288677
-16.818860	0.250000	-6.568860	3.431140
-35.640375	0.250000	-25.390375	-15.390375
-35.208296	0.250000	-24.958296	-14.958296
-26.146652	0.250000	-15.896652	-5.896652
-26.900919	0.250000	-16.650919	-6.650919
-11.753627	0.250000	-1.503627	8.496373
-12.750000	0.250000	-2.500000	7.500000
-21.906117	0.250000	-11.656117	-1.656117
-22.850000	0.250000	-12.600000	-2.600000
-31.459367	0.250000	-21.209367	-11.209367
-32.400000	0.250000	-22.150000	-12.150000