

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	23.44	23.13	23.70	23.16
		2	23.27	23.14	23.73	23.16
Total MIMO Conducted power (mW/10MHz)			433.12	411.65	470.47	414.03
Total MIMO Conducted power (dBm/10MHz)			26.37	26.15	26.73	26.17
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.37	38.15	38.73	38.17
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.63	-8.85	-8.27	-8.83
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	2	3	23.66	23.45	24.06	23.45
		4	23.33	23.21	23.72	23.15
Total MIMO Conducted power (mW/10MHz)			447.55	430.72	490.19	427.85
Total MIMO Conducted power (dBm/10MHz)			26.51	26.34	26.90	26.31
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.51	38.34	38.90	38.31
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.49	-8.66	-8.10	-8.69
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	23.50	23.27	24.02	23.36
		6	23.87	23.86	23.99	23.82
Total MIMO Conducted power (mW/10MHz)			467.65	455.54	502.96	457.76
Total MIMO Conducted power (dBm/10MHz)			26.70	26.59	27.02	26.61
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.70	38.59	39.02	38.61
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.30	-8.41	-7.98	-8.39
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	4	7	23.39	22.95	23.76	23.06
		8	23.39	23.12	23.82	23.22
Total MIMO Conducted power (mW/10MHz)			436.55	402.36	478.67	412.20
Total MIMO Conducted power (dBm/10MHz)			26.40	26.05	26.80	26.15
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.40	38.05	38.80	38.15
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.60	-8.95	-8.20	-8.85

Table 8-94. Equivalent Isotropic Radiated Power Table (n48_1C_30M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	24.00	23.94	23.97	24.06
		2	23.87	24.02	24.00	24.09
Total MIMO Conducted power (mW/10MHz)			494.97	500.09	500.65	511.13
Total MIMO Conducted power (dBm/10MHz)			26.95	26.99	27.00	27.09
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.95	38.99	39.00	39.09
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.05	-8.01	-8.00	-7.91
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	2	3	24.04	24.22	24.10	24.12
		4	23.68	23.66	24.02	24.14
Total MIMO Conducted power (mW/10MHz)			486.86	496.51	509.39	517.64
Total MIMO Conducted power (dBm/10MHz)			26.87	26.96	27.07	27.14
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.87	38.96	39.07	39.14
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.13	-8.04	-7.93	-7.86
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	23.47	24.13	23.74	23.38
		6	23.94	23.90	24.15	23.85
Total MIMO Conducted power (mW/10MHz)			470.07	504.29	496.61	460.43
Total MIMO Conducted power (dBm/10MHz)			26.72	27.03	26.96	26.63
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.72	39.03	38.96	38.63
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.28	-7.97	-8.04	-8.37
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	4	7	23.45	23.42	23.84	23.37
		8	23.57	23.85	23.79	23.49
Total MIMO Conducted power (mW/10MHz)			448.82	462.45	481.43	440.63
Total MIMO Conducted power (dBm/10MHz)			26.52	26.65	26.83	26.44
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.52	38.65	38.83	38.44
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.48	-8.35	-8.17	-8.56

Table 8-95. Equivalent Isotropic Radiated Power Table (n48_1C_30M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	23.25	23.15	23.78	23.27
		2	23.34	23.26	23.84	23.36
Total MIMO Conducted power (mW/10MHz)			427.12	418.37	480.88	429.09
Total MIMO Conducted power (dBm/10MHz)			26.31	26.22	26.82	26.33
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.31	38.22	38.82	38.33
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.69	-8.78	-8.18	-8.67
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	2	3	23.78	23.72	23.26	23.82
		4	23.33	23.28	23.89	23.37
Total MIMO Conducted power (mW/10MHz)			454.06	448.32	456.74	458.26
Total MIMO Conducted power (dBm/10MHz)			26.57	26.52	26.60	26.61
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.57	38.52	38.60	38.61
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.43	-8.48	-8.43	-8.48
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	23.37	23.29	23.99	23.38
		6	23.87	23.72	23.53	23.85
Total MIMO Conducted power (mW/10MHz)			461.05	448.81	476.03	460.43
Total MIMO Conducted power (dBm/10MHz)			26.64	26.52	26.78	26.63
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.64	38.52	38.78	38.63
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.36	-8.48	-8.22	-8.37
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	4	7	23.45	23.42	23.84	23.37
		8	23.57	23.85	23.79	23.49
Total MIMO Conducted power (mW/10MHz)			448.82	462.45	481.43	440.63
Total MIMO Conducted power (dBm/10MHz)			26.52	26.65	26.83	26.44
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			38.52	38.65	38.83	38.44
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.48	-8.35	-8.17	-8.56

Table 8-96. Equivalent Isotropic Radiated Power Table (n48_1C_30M_High Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	21.53	22.70	22.46	22.52
		2	21.56	22.81	22.84	22.73
Total MIMO Conducted power (mW/10MHz)			285.45	377.19	368.51	366.15
Total MIMO Conducted power (dBm/10MHz)			24.56	25.77	25.66	25.64
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			36.56	37.77	37.66	37.64
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.44	-9.23	-9.34	-9.36
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	2	3	21.86	22.12	22.75	22.53
		4	21.64	22.55	22.92	22.59
Total MIMO Conducted power (mW/10MHz)			299.34	342.82	384.25	360.61
Total MIMO Conducted power (dBm/10MHz)			24.76	25.35	25.85	25.57
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			36.76	37.35	37.85	37.57
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.24	-9.65	-9.15	-9.43
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	21.78	22.10	22.75	22.50
		6	21.88	21.89	21.96	22.11
Total MIMO Conducted power (mW/10MHz)			304.83	316.71	345.40	340.38
Total MIMO Conducted power (dBm/10MHz)			24.84	25.01	25.38	25.32
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			36.84	37.01	37.38	37.32
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.16	-9.99	-9.62	-9.68
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	4	7	21.73	21.87	22.80	22.40
		8	21.83	21.81	22.30	22.69
Total MIMO Conducted power (mW/10MHz)			301.34	305.52	360.37	359.56
Total MIMO Conducted power (dBm/10MHz)			24.79	24.85	25.57	25.56
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			36.79	36.85	37.57	37.56
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.21	-10.15	-9.43	-9.44

Table 8-97. Equivalent Isotropic Radiated Power Table (n48_1C_40M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	21.76	22.74	22.16	22.41
		2	21.90	22.84	22.12	22.50
Total MIMO Conducted power (mW/10MHz)			304.85	380.24	327.37	352.01
Total MIMO Conducted power (dBm/10MHz)			24.84	25.80	25.15	25.47
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			36.84	37.80	37.15	37.47
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.16	-9.20	-9.85	-9.53
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	2	3	22.19	21.79	22.29	22.78
		4	22.00	22.73	22.37	22.34
Total MIMO Conducted power (mW/10MHz)			324.07	338.51	342.02	361.07
Total MIMO Conducted power (dBm/10MHz)			25.11	25.30	25.34	25.58
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			37.11	37.30	37.34	37.58
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-9.89	-9.70	-9.66	-9.42
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	21.80	21.67	21.90	21.73
		6	22.21	21.77	21.93	21.74
Total MIMO Conducted power (mW/10MHz)			317.70	297.21	310.84	298.22
Total MIMO Conducted power (dBm/10MHz)			25.02	24.73	24.93	24.75
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			37.02	36.73	36.93	36.75
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-9.98	-10.27	-10.07	-10.25
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	4	7	21.58	22.52	22.03	22.38
		8	21.56	22.59	22.32	22.48
Total MIMO Conducted power (mW/10MHz)			287.10	360.20	330.20	349.99
Total MIMO Conducted power (dBm/10MHz)			24.58	25.57	25.19	25.44
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			36.58	37.57	37.19	37.44
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.42	-9.43	-9.81	-9.56

Table 8-98. Equivalent Isotropic Radiated Power Table (n48_1C_40M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	21.38	22.40	21.85	21.57
		2	21.50	22.50	21.94	22.16
Total MIMO Conducted power (mW/10MHz)			278.66	351.61	309.42	307.99
Total MIMO Conducted power (dBm/10MHz)			24.45	25.46	24.91	24.89
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			36.45	37.46	36.91	36.89
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.55	-9.54	-10.09	-10.11
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	2	3	21.87	22.91	22.30	22.56
		4	22.23	21.39	21.47	21.78
Total MIMO Conducted power (mW/10MHz)			320.92	333.15	310.11	330.96
Total MIMO Conducted power (dBm/10MHz)			25.06	25.23	24.92	25.20
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			37.06	37.23	36.92	37.20
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-9.94	-9.77	-10.08	-9.80
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	21.54	22.58	22.05	22.45
		6	22.04	22.98	22.85	22.66
Total MIMO Conducted power (mW/10MHz)			302.52	379.74	353.08	360.29
Total MIMO Conducted power (dBm/10MHz)			24.81	25.79	25.48	25.57
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			36.81	37.79	37.48	37.57
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.19	-9.21	-9.52	-9.43
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	4	7	21.36	22.36	22.01	22.19
		8	21.37	22.33	22.01	22.13
Total MIMO Conducted power (mW/10MHz)			273.86	343.19	317.71	328.88
Total MIMO Conducted power (dBm/10MHz)			24.38	25.36	25.02	25.17
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			36.38	37.36	37.02	37.17
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.62	-9.64	-9.98	-9.83

Table 8-99. Equivalent Isotropic Radiated Power Table (n48_1C_40M_High Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.80	25.11
		2	24.89	24.77
Total MIMO Conducted power (mW/10MHz)			610.31	624.26
Total MIMO Conducted power (dBm/10MHz)			27.86	27.95
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.86	39.95
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.14	-7.05
Sector	Zone	Port	QPSK	16QAM
1	2	3	25.05	25.14
		4	24.80	25.01
Total MIMO Conducted power (mW/10MHz)			621.88	643.54
Total MIMO Conducted power (dBm/10MHz)			27.94	28.09
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.94	40.09
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.06	-6.91
Sector	Zone	Port	QPSK	16QAM
2	3	5	24.99	25.19
		6	24.94	25.04
Total MIMO Conducted power (mW/10MHz)			627.39	649.52
Total MIMO Conducted power (dBm/10MHz)			27.98	28.13
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.98	40.13
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.02	-6.87
Sector	Zone	Port	QPSK	16QAM
2	4	7	24.79	24.86
		8	24.91	24.90
Total MIMO Conducted power (mW/10MHz)			611.04	615.23
Total MIMO Conducted power (dBm/10MHz)			27.86	27.89
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.86	39.89
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.14	-7.11

Table 8-100. Equivalent Isotropic Radiated Power Table (n48_2C_10M+10M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	25.42	25.48
		2	25.34	25.27
Total MIMO Conducted power (mW/10MHz)			690.32	689.69
Total MIMO Conducted power (dBm/10MHz)			28.39	28.39
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			40.39	40.39
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-6.61	-6.61
Sector	Zone	Port	QPSK	16QAM
1	2	3	25.99	25.92
		4	25.77	25.89
Total MIMO Conducted power (mW/10MHz)			774.76	778.99
Total MIMO Conducted power (dBm/10MHz)			28.89	28.92
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			40.89	40.92
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-6.11	-6.08
Sector	Zone	Port	QPSK	16QAM
2	3	5	26.16	26.00
		6	26.19	26.51
Total MIMO Conducted power (mW/10MHz)			828.96	845.82
Total MIMO Conducted power (dBm/10MHz)			29.19	29.27
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			41.19	41.27
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-5.81	-5.73
Sector	Zone	Port	QPSK	16QAM
2	4	7	25.86	25.87
		8	25.94	25.66
Total MIMO Conducted power (mW/10MHz)			778.12	754.50
Total MIMO Conducted power (dBm/10MHz)			28.91	28.78
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			40.91	40.78
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-6.09	-6.22

Table 8-101. Equivalent Isotropic Radiated Power Table (n48_2C_10M+10M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.79	25.04
		2	24.83	24.83
Total MIMO Conducted power (mW/10MHz)			605.39	623.24
Total MIMO Conducted power (dBm/10MHz)			27.82	27.95
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.82	39.95
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.18	-7.05
Sector	Zone	Port	QPSK	16QAM
1	2	3	24.87	24.88
		4	24.98	24.89
Total MIMO Conducted power (mW/10MHz)			621.68	615.93
Total MIMO Conducted power (dBm/10MHz)			27.94	27.90
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.94	39.90
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.06	-7.10
Sector	Zone	Port	QPSK	16QAM
2	3	5	24.88	25.85
		6	24.92	25.14
Total MIMO Conducted power (mW/10MHz)			618.07	711.18
Total MIMO Conducted power (dBm/10MHz)			27.91	28.52
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.91	40.52
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.09	-6.48
Sector	Zone	Port	QPSK	16QAM
2	4	7	24.87	24.91
		8	24.72	25.19
Total MIMO Conducted power (mW/10MHz)			603.39	640.11
Total MIMO Conducted power (dBm/10MHz)			27.81	28.06
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.81	40.06
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.19	-6.94

Table 8-102. Equivalent Isotropic Radiated Power Table (n48_2C_10M+10M_High Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	23.11	23.31
		2	23.21	23.40
Total MIMO Conducted power (mW/10MHz)			414.06	433.07
Total MIMO Conducted power (dBm/10MHz)			26.17	26.37
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.17	38.37
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.83	-8.63
Sector	Zone	Port	QPSK	16QAM
1	2	3	23.45	23.66
		4	23.10	23.40
Total MIMO Conducted power (mW/10MHz)			425.48	451.05
Total MIMO Conducted power (dBm/10MHz)			26.29	26.54
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.29	38.54
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.71	-8.46
Sector	Zone	Port	QPSK	16QAM
2	3	5	23.42	23.56
		6	23.37	23.56
Total MIMO Conducted power (mW/10MHz)			437.06	453.97
Total MIMO Conducted power (dBm/10MHz)			26.41	26.57
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.41	38.57
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.59	-8.43
Sector	Zone	Port	QPSK	16QAM
2	4	7	23.10	23.26
		8	23.25	23.38
Total MIMO Conducted power (mW/10MHz)			415.52	429.61
Total MIMO Conducted power (dBm/10MHz)			26.19	26.33
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.19	38.33
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.81	-8.67

Table 8-103. Equivalent Isotropic Radiated Power Table (n48_2C_10M+20M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.14	24.04
		2	24.41	24.14
Total MIMO Conducted power (mW/10MHz)			535.48	512.93
Total MIMO Conducted power (dBm/10MHz)			27.29	27.10
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.29	39.10
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.71	-7.90
Sector	Zone	Port	QPSK	16QAM
1	2	3	24.70	24.29
		4	24.37	24.07
Total MIMO Conducted power (mW/10MHz)			568.65	523.80
Total MIMO Conducted power (dBm/10MHz)			27.55	27.19
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.55	39.19
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.45	-7.81
Sector	Zone	Port	QPSK	16QAM
2	3	5	24.34	24.44
		6	24.48	24.60
Total MIMO Conducted power (mW/10MHz)			552.19	566.37
Total MIMO Conducted power (dBm/10MHz)			27.42	27.53
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.42	39.53
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.58	-7.47
Sector	Zone	Port	QPSK	16QAM
2	4	7	24.06	24.49
		8	24.41	24.19
Total MIMO Conducted power (mW/10MHz)			530.74	543.61
Total MIMO Conducted power (dBm/10MHz)			27.25	27.35
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			39.25	39.35
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.75	-7.65

Table 8-104. Equivalent Isotropic Radiated Power Table (n48_2C_10M+20M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	23.07	23.16
		2	23.10	23.33
Total MIMO Conducted power (mW/10MHz)			406.94	422.29
Total MIMO Conducted power (dBm/10MHz)			26.10	26.26
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.10	38.26
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.90	-8.74
Sector	Zone	Port	QPSK	16QAM
1	2	3	22.77	23.89
		4	23.20	23.32
Total MIMO Conducted power (mW/10MHz)			398.16	459.69
Total MIMO Conducted power (dBm/10MHz)			26.00	26.62
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.00	38.62
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.00	-8.38
Sector	Zone	Port	QPSK	16QAM
2	3	5	23.46	23.42
		6	23.64	23.51
Total MIMO Conducted power (mW/10MHz)			453.03	444.17
Total MIMO Conducted power (dBm/10MHz)			26.56	26.48
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.56	38.48
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.44	-8.52
Sector	Zone	Port	QPSK	16QAM
2	4	7	23.49	23.34
		8	23.19	23.23
Total MIMO Conducted power (mW/10MHz)			431.81	426.15
Total MIMO Conducted power (dBm/10MHz)			26.35	26.30
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.35	38.30
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.65	-8.70

Table 8-105. Equivalent Isotropic Radiated Power Table (n48_2C_10M+20M_High Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	22.94	22.74
		2	22.51	23.01
Total MIMO Conducted power (mW/10MHz)			375.03	387.92
Total MIMO Conducted power (dBm/10MHz)			25.74	25.89
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.74	37.89
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.26	-9.11
Sector	Zone	Port	QPSK	16QAM
1	2	3	22.74	22.99
		4	23.00	22.84
Total MIMO Conducted power (mW/10MHz)			387.46	391.38
Total MIMO Conducted power (dBm/10MHz)			25.88	25.93
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.88	37.93
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.12	-9.07
Sector	Zone	Port	QPSK	16QAM
2	3	5	22.52	23.06
		6	22.74	22.97
Total MIMO Conducted power (mW/10MHz)			366.58	400.45
Total MIMO Conducted power (dBm/10MHz)			25.64	26.03
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.64	38.03
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.36	-8.97
Sector	Zone	Port	QPSK	16QAM
2	4	7	23.23	22.83
		8	22.86	22.83
Total MIMO Conducted power (mW/10MHz)			403.57	383.73
Total MIMO Conducted power (dBm/10MHz)			26.06	25.84
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.06	37.84
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.94	-9.16

Table 8-106. Equivalent Isotropic Radiated Power Table (n48_2C_20M+20M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	23.23	21.90
		2	23.29	21.93
Total MIMO Conducted power (mW/10MHz)			423.68	310.84
Total MIMO Conducted power (dBm/10MHz)			26.27	24.93
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.27	36.93
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.73	-10.07
Sector	Zone	Port	QPSK	16QAM
1	2	3	22.96	21.95
		4	23.12	21.97
Total MIMO Conducted power (mW/10MHz)			402.81	314.07
Total MIMO Conducted power (dBm/10MHz)			26.05	24.97
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.05	36.97
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.95	-10.03
Sector	Zone	Port	QPSK	16QAM
2	3	5	22.86	22.93
		6	22.71	22.89
Total MIMO Conducted power (mW/10MHz)			379.83	390.87
Total MIMO Conducted power (dBm/10MHz)			25.80	25.92
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.80	37.92
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.20	-9.08
Sector	Zone	Port	QPSK	16QAM
2	4	7	22.66	22.72
		8	22.77	22.33
Total MIMO Conducted power (mW/10MHz)			373.74	358.07
Total MIMO Conducted power (dBm/10MHz)			25.73	25.54
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.73	37.54
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.27	-9.46

Table 8-107. Equivalent Isotropic Radiated Power Table (n48_2C_20M+20M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	22.71	22.52
		2	22.17	22.53
Total MIMO Conducted power (mW/10MHz)			351.45	357.71
Total MIMO Conducted power (dBm/10MHz)			25.46	25.54
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.46	37.54
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.54	-9.46
Sector	Zone	Port	QPSK	16QAM
1	2	3	22.10	22.62
		4	21.93	22.44
Total MIMO Conducted power (mW/10MHz)			318.14	358.20
Total MIMO Conducted power (dBm/10MHz)			25.03	25.54
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.03	37.54
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.97	-9.46
Sector	Zone	Port	QPSK	16QAM
2	3	5	21.93	22.42
		6	23.13	22.85
Total MIMO Conducted power (mW/10MHz)			361.54	367.33
Total MIMO Conducted power (dBm/10MHz)			25.58	25.65
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.58	37.65
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.42	-9.35
Sector	Zone	Port	QPSK	16QAM
2	4	7	21.83	22.04
		8	21.94	22.12
Total MIMO Conducted power (mW/10MHz)			308.72	322.89
Total MIMO Conducted power (dBm/10MHz)			24.90	25.09
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			36.90	37.09
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-10.10	-9.91

Table 8-108. Equivalent Isotropic Radiated Power Table (n48_2C_20M+20M_High Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	22.37	23.06
		2	22.50	23.06
Total MIMO Conducted power (mW/10MHz)			350.41	404.60
Total MIMO Conducted power (dBm/10MHz)			25.45	26.07
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.45	38.07
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.55	-8.93
Sector	Zone	Port	QPSK	16QAM
1	2	3	22.74	23.42
		4	22.30	23.02
Total MIMO Conducted power (mW/10MHz)			357.76	420.23
Total MIMO Conducted power (dBm/10MHz)			25.54	26.23
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.54	38.23
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.46	-8.77
Sector	Zone	Port	QPSK	16QAM
2	3	5	23.16	23.14
		6	23.04	23.24
Total MIMO Conducted power (mW/10MHz)			408.39	416.93
Total MIMO Conducted power (dBm/10MHz)			26.11	26.20
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			38.11	38.20
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.89	-8.80
Sector	Zone	Port	QPSK	16QAM
2	4	7	22.86	22.93
		8	22.97	22.94
Total MIMO Conducted power (mW/10MHz)			391.35	393.12
Total MIMO Conducted power (dBm/10MHz)			25.93	25.95
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.93	37.95
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.07	-9.05

Table 8-109. Equivalent Isotropic Radiated Power Table (n48_2C_30M+10M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	22.62	22.66
		2	22.60	22.63
Total MIMO Conducted power (mW/10MHz)			364.78	367.73
Total MIMO Conducted power (dBm/10MHz)			25.62	25.66
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.62	37.66
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.38	-9.34
Sector	Zone	Port	QPSK	16QAM
1	2	3	22.93	22.92
		4	22.21	22.70
Total MIMO Conducted power (mW/10MHz)			362.68	382.09
Total MIMO Conducted power (dBm/10MHz)			25.60	25.82
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.60	37.82
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.40	-9.18
Sector	Zone	Port	QPSK	16QAM
2	3	5	22.84	22.83
		6	22.91	23.04
Total MIMO Conducted power (mW/10MHz)			387.74	393.24
Total MIMO Conducted power (dBm/10MHz)			25.89	25.95
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.89	37.95
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.11	-9.05
Sector	Zone	Port	QPSK	16QAM
2	4	7	22.70	22.32
		8	22.63	22.48
Total MIMO Conducted power (mW/10MHz)			369.44	347.62
Total MIMO Conducted power (dBm/10MHz)			25.68	25.41
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.68	37.41
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.32	-9.59

Table 8-110. Equivalent Isotropic Radiated Power Table (n48_2C_30M+10M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	21.75	22.47
		2	21.75	22.51
Total MIMO Conducted power (mW/10MHz)			299.25	354.84
Total MIMO Conducted power (dBm/10MHz)			24.76	25.50
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			36.76	37.50
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-10.24	-9.50
Sector	Zone	Port	QPSK	16QAM
1	2	3	22.34	22.07
		4	21.75	22.36
Total MIMO Conducted power (mW/10MHz)			321.02	333.25
Total MIMO Conducted power (dBm/10MHz)			25.07	25.23
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.07	37.23
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.93	-9.77
Sector	Zone	Port	QPSK	16QAM
2	3	5	22.26	22.23
		6	23.01	22.35
Total MIMO Conducted power (mW/10MHz)			368.25	338.90
Total MIMO Conducted power (dBm/10MHz)			25.66	25.30
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.66	37.30
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.34	-9.70
Sector	Zone	Port	QPSK	16QAM
2	4	7	22.05	22.40
		8	22.35	22.32
Total MIMO Conducted power (mW/10MHz)			332.12	344.39
Total MIMO Conducted power (dBm/10MHz)			25.21	25.37
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm/10MHz)			37.21	37.37
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.79	-9.63

Table 8-111. Equivalent Isotropic Radiated Power Table (n48_2C_30M+10M_High Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	19.24	19.57	19.24	19.19
		2	19.22	19.45	18.92	19.19
Total MIMO Conducted power (mW/10MHz)			167.51	178.68	161.93	165.97
Total MIMO Conducted power (dBm/10MHz)			22.24	22.52	22.09	22.20
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.24	34.52	34.09	34.20
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.76	-12.48	-12.91	-12.80
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	2	3	19.41	19.72	19.39	19.52
		4	19.17	19.82	19.29	19.26
Total MIMO Conducted power (mW/10MHz)			169.90	189.70	171.81	173.87
Total MIMO Conducted power (dBm/10MHz)			22.30	22.78	22.35	22.40
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.30	34.78	34.35	34.40
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.70	-12.22	-12.65	-12.60
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	19.31	19.81	18.97	19.32
		6	19.24	19.79	18.92	19.27
Total MIMO Conducted power (mW/10MHz)			169.26	191.00	156.87	170.03
Total MIMO Conducted power (dBm/10MHz)			22.29	22.81	21.96	22.31
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.29	34.81	33.96	34.31
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.71	-12.19	-13.04	-12.69
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	4	7	18.97	19.47	18.70	19.16
		8	19.10	19.65	19.07	19.24
Total MIMO Conducted power (mW/10MHz)			160.17	180.77	154.85	166.36
Total MIMO Conducted power (dBm/10MHz)			22.05	22.57	21.90	22.21
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.05	34.57	33.90	34.21
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.95	-12.43	-13.10	-12.79

Table 8-112. Equivalent Isotropic Radiated Power Table (n48_2C_40M+40M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	19.44	19.35	18.84	19.01
		2	19.38	19.41	19.14	19.13
Total MIMO Conducted power (mW/10MHz)			174.60	173.40	158.59	161.46
Total MIMO Conducted power (dBm/10MHz)			22.42	22.39	22.00	22.08
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.42	34.39	34.00	34.08
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.58	-12.61	-13.00	-12.92
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	2	3	19.60	19.72	19.74	19.39
		4	19.38	19.34	19.01	19.26
Total MIMO Conducted power (mW/10MHz)			177.90	179.66	173.80	171.23
Total MIMO Conducted power (dBm/10MHz)			22.50	22.54	22.40	22.34
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.50	34.54	34.40	34.34
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.50	-12.46	-12.60	-12.66
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	19.34	19.46	19.27	19.23
		6	19.42	19.67	19.27	19.34
Total MIMO Conducted power (mW/10MHz)			173.40	180.99	169.06	169.65
Total MIMO Conducted power (dBm/10MHz)			22.39	22.58	22.28	22.30
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.39	34.58	34.28	34.30
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.61	-12.42	-12.72	-12.70
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	4	7	19.18	19.16	18.94	18.91
		8	19.29	19.30	19.23	18.96
Total MIMO Conducted power (mW/10MHz)			167.71	167.53	162.10	156.51
Total MIMO Conducted power (dBm/10MHz)			22.25	22.24	22.10	21.95
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.25	34.24	34.10	33.95
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.75	-12.76	-12.90	-13.05

Table 8-113. Equivalent Isotropic Radiated Power Table (n48_2C_40M+40M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	19.40	19.37	19.42	19.19
		2	19.62	19.46	19.63	19.02
Total MIMO Conducted power (mW/10MHz)			178.72	174.80	179.33	162.78
Total MIMO Conducted power (dBm/10MHz)			22.52	22.43	22.54	22.12
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.52	34.43	34.54	34.12
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.48	-12.57	-12.46	-12.88
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	2	3	19.75	19.92	19.88	19.75
		4	19.59	19.58	19.29	19.12
Total MIMO Conducted power (mW/10MHz)			185.40	188.96	182.19	176.06
Total MIMO Conducted power (dBm/10MHz)			22.68	22.76	22.61	22.46
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.68	34.76	34.61	34.46
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.32	-12.24	-12.39	-12.54
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	19.44	19.49	19.53	19.29
		6	19.81	19.50	19.51	19.52
Total MIMO Conducted power (mW/10MHz)			183.62	178.05	179.07	174.45
Total MIMO Conducted power (dBm/10MHz)			22.64	22.51	22.53	22.42
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.64	34.51	34.53	34.42
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.36	-12.49	-12.47	-12.58
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	4	7	19.26	19.27	19.00	19.09
		8	19.29	19.20	19.15	19.11
Total MIMO Conducted power (mW/10MHz)			169.25	167.70	161.66	162.57
Total MIMO Conducted power (dBm/10MHz)			22.29	22.25	22.09	22.11
Ant. Gain (dBi)			12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)			34.29	34.25	34.09	34.11
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-12.71	-12.75	-12.91	-12.89

Table 8-114. Equivalent Isotropic Radiated Power Table (n48_2C_40M+40M_High Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	27.71	27.48	27.77	27.73
		2	27.84	27.53	27.80	27.76
	2	3	27.84	27.50	27.77	27.40
		4	27.68	27.40	27.69	27.32
Total MIMO Conducted power (mW/10MHz)			2392.61	2237.88	2386.87	2279.01
Total MIMO Conducted power (dBm/10MHz)			33.79	33.50	33.78	33.58
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			44.79	44.50	44.78	44.58
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-2.21	-2.50	-2.22	-2.42
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	27.80	27.77	28.06	28.14
		6	27.72	27.68	27.96	28.07
	4	7	27.54	27.54	27.81	27.89
		8	27.65	27.65	27.84	28.02
Total MIMO Conducted power (mW/10MHz)			2343.77	2334.20	2476.99	2541.88
Total MIMO Conducted power (dBm/10MHz)			33.70	33.68	33.94	34.05
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			44.70	44.68	44.94	45.05
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-2.30	-2.32	-2.06	-1.95

Table 8-115. Equivalent Isotropic Radiated Power Table (n48_1C_10M_Low Channel_4T)

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	27.92	27.64	27.67	27.70
		2	27.82	27.68	27.71	27.74
	2	3	27.79	27.67	27.74	27.80
		4	27.80	27.66	27.59	27.79
Total MIMO Conducted power (mW/10MHz)			2428.52	2335.14	2343.40	2386.87
Total MIMO Conducted power (dBm/10MHz)			33.85	33.68	33.70	33.78
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			44.85	44.68	44.70	44.78
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-2.15	-2.32	-2.30	-2.22
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	28.13	28.15	28.24	28.44
		6	28.61	28.43	28.29	28.39
	4	7	28.30	27.77	28.03	28.20
		8	28.38	27.79	28.24	28.47
Total MIMO Conducted power (mW/10MHz)			2740.97	2549.34	2643.47	2752.24
Total MIMO Conducted power (dBm/10MHz)			34.38	34.06	34.22	34.40
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			45.38	45.06	45.22	45.40
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-1.62	-1.94	-1.78	-1.60

Table 8-116. Equivalent Isotropic Radiated Power Table (n48_1C_10M_Mid Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	27.92	27.66	27.62	27.46
		2	28.02	27.75	27.46	27.58
	2	3	27.94	27.68	27.43	27.54
		4	27.89	27.55	27.33	27.45
Total MIMO Conducted power (mW/10MHz)			2490.79	2334.10	2229.39	2253.43
Total MIMO Conducted power (dBm/10MHz)			33.96	33.68	33.48	33.53
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			44.96	44.68	44.48	44.53
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-2.04	-2.32	-2.52	-2.47
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	27.74	27.98	27.45	28.00
		6	27.68	28.02	28.02	28.11
	4	7	27.61	27.56	27.91	27.97
		8	27.50	27.73	27.85	27.93
Total MIMO Conducted power (mW/10MHz)			2319.54	2425.02	2417.33	2525.58
Total MIMO Conducted power (dBm/10MHz)			33.65	33.85	33.83	34.02
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			44.65	44.85	44.83	45.02
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-2.35	-2.15	-2.17	-1.98

Table 8-117. Equivalent Isotropic Radiated Power Table (n48_1C_10M_High Channel_4T)

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	24.59	25.24	24.61	25.55
		2	24.69	25.26	24.86	25.51
	2	3	24.79	25.48	24.84	25.79
		4	24.86	25.26	24.83	25.65
Total MIMO Conducted power (mW/10MHz)			1189.68	1358.85	1204.14	1461.15
Total MIMO Conducted power (dBm/10MHz)			30.75	31.33	30.81	31.65
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			41.75	42.33	41.81	42.65
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-5.25	-4.67	-5.19	-4.35
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	24.88	25.44	24.74	25.75
		6	25.17	25.72	25.11	25.29
	4	7	24.54	25.20	24.72	25.40
		8	24.74	25.29	24.89	25.66
Total MIMO Conducted power (mW/10MHz)			1218.76	1392.39	1226.99	1428.77
Total MIMO Conducted power (dBm/10MHz)			30.86	31.44	30.89	31.55
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			41.86	42.44	41.89	42.55
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-5.14	-4.56	-5.11	-4.45

Table 8-118. Equivalent Isotropic Radiated Power Table (n48_1C_20M_Low Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	25.56	25.40	25.61	25.71
		2	25.60	25.28	25.68	25.72
	2	3	25.90	25.48	25.63	25.79
		4	25.65	25.25	25.75	25.79
Total MIMO Conducted power (mW/10MHz)			1479.15	1372.17	1475.18	1504.27
Total MIMO Conducted power (dBm/10MHz)			31.70	31.37	31.69	31.77
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			42.70	42.37	42.69	42.77
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-4.30	-4.63	-4.31	-4.23
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	25.86	25.41	25.14	25.74
		6	25.36	25.88	25.61	25.98
	4	7	25.50	25.37	25.76	25.29
		8	25.52	25.52	25.75	25.33
Total MIMO Conducted power (mW/10MHz)			1440.30	1435.59	1443.04	1450.51
Total MIMO Conducted power (dBm/10MHz)			31.58	31.57	31.59	31.62
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			42.58	42.57	42.59	42.62
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-4.42	-4.43	-4.41	-4.38

Table 8-119. Equivalent Isotropic Radiated Power Table (n48_1C_20M_Mid Channel_4T)

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	24.37	-38.14	24.62	25.36
		2	24.48	25.00	24.69	25.51
	2	3	24.84	25.41	25.14	25.95
		4	24.55	25.02	24.72	25.49
Total MIMO Conducted power (mW/10MHz)			1143.96	981.45	1207.25	1446.74
Total MIMO Conducted power (dBm/10MHz)			30.58	29.92	30.82	31.60
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			41.58	40.92	41.82	42.60
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-5.42	-6.08	-5.18	-4.40
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	24.65	25.20	24.85	25.59
		6	25.09	25.66	25.42	25.25
	4	7	24.43	25.04	24.78	25.48
		8	24.48	25.06	24.72	25.56
Total MIMO Conducted power (mW/10MHz)			1172.47	1339.04	1250.92	1410.14
Total MIMO Conducted power (dBm/10MHz)			30.69	31.27	30.97	31.49
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			41.69	42.27	41.97	42.49
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-5.31	-4.73	-5.03	-4.51

Table 8-120. Equivalent Isotropic Radiated Power Table (n48_1C_20M_High Channel_4T)

FCC: A3LSOG2201	 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	23.44	23.13	23.70	23.16
		2	23.27	23.14	23.73	23.16
	2	3	23.66	23.45	24.06	23.45
		4	23.33	23.21	23.72	23.15
Total MIMO Conducted power (mW/10MHz)			880.68	842.37	960.66	841.88
Total MIMO Conducted power (dBm/10MHz)			29.45	29.26	29.83	29.25
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			40.45	40.26	40.83	40.25
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-6.55	-6.74	-6.17	-6.75
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	23.50	23.27	24.02	23.36
		6	23.87	23.86	23.99	23.82
	4	7	23.39	22.95	23.76	23.06
		8	23.39	23.12	23.82	23.22
Total MIMO Conducted power (mW/10MHz)			904.20	857.90	981.63	869.96
Total MIMO Conducted power (dBm/10MHz)			29.56	29.33	29.92	29.39
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			40.56	40.33	40.92	40.39
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-6.44	-6.67	-6.08	-6.61

Table 8-121. Equivalent Isotropic Radiated Power Table (n48_1C_30M_Low Channel_4T)

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	24.00	23.94	23.97	24.06
		2	23.87	24.02	24.00	24.09
	2	3	24.04	24.22	24.10	24.12
		4	23.68	23.66	24.02	24.14
Total MIMO Conducted power (mW/10MHz)			981.83	996.60	1010.04	1028.78
Total MIMO Conducted power (dBm/10MHz)			29.92	29.99	30.04	30.12
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			40.92	40.99	41.04	41.12
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-6.08	-6.01	-5.96	-5.88
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	23.47	24.13	23.74	23.38
		6	23.94	23.90	24.15	23.85
	4	7	23.45	23.42	23.84	23.37
		8	23.57	23.85	23.79	23.49
Total MIMO Conducted power (mW/10MHz)			918.89	966.74	978.04	901.06
Total MIMO Conducted power (dBm/10MHz)			29.63	29.85	29.90	29.55
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			40.63	40.85	40.90	40.55
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-6.37	-6.15	-6.10	-6.45

Table 8-122. Equivalent Isotropic Radiated Power Table (n48_1C_30M_Mid Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	23.25	23.15	23.78	23.27
		2	23.34	23.26	23.84	23.36
	2	3	23.78	23.72	23.26	23.82
		4	23.33	23.28	23.89	23.37
Total MIMO Conducted power (mW/10MHz)			881.18	866.69	937.63	887.36
Total MIMO Conducted power (dBm/10MHz)			29.45	29.38	29.72	29.48
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			40.45	40.38	40.72	40.48
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-6.55	-6.62	-6.28	-6.52
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	23.37	23.29	23.99	23.38
		6	23.87	23.72	23.53	23.85
	4	7	23.40	23.15	23.88	23.30
		8	23.33	23.13	23.82	23.26
Total MIMO Conducted power (mW/10MHz)			895.11	860.94	961.37	886.06
Total MIMO Conducted power (dBm/10MHz)			29.52	29.35	29.83	29.47
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			40.52	40.35	40.83	40.47
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-6.48	-6.65	-6.17	-6.53

Table 8-123. Equivalent Isotropic Radiated Power Table (n48_1C_30M_High Channel_4T)

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	21.53	22.70	22.46	22.52
		2	21.56	22.81	22.84	22.73
	2	3	21.86	22.12	22.75	22.53
		4	21.64	22.55	22.92	22.59
Total MIMO Conducted power (mW/10MHz)			584.79	720.01	752.76	726.76
Total MIMO Conducted power (dBm/10MHz)			27.67	28.57	28.77	28.61
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			38.67	39.57	39.77	39.61
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.33	-7.43	-7.23	-7.39
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	21.78	22.10	22.75	22.50
		6	21.88	21.89	21.96	22.11
	4	7	21.73	21.87	22.80	22.40
		8	21.83	21.81	22.30	22.69
Total MIMO Conducted power (mW/10MHz)			606.17	622.23	705.77	699.94
Total MIMO Conducted power (dBm/10MHz)			27.83	27.94	28.49	28.45
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			38.83	38.94	39.49	39.45
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.17	-8.06	-7.51	-7.55

Table 8-124. Equivalent Isotropic Radiated Power Table (n48_1C_40M_Low Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	21.76	22.74	22.16	22.41
		2	21.90	22.84	22.12	22.50
	2	3	22.19	21.79	22.29	22.78
		4	22.00	22.73	22.37	22.34
Total MIMO Conducted power (mW/10MHz)			628.92	718.75	669.38	713.07
Total MIMO Conducted power (dBm/10MHz)			27.99	28.57	28.26	28.53
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			38.99	39.57	39.26	39.53
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.01	-7.43	-7.74	-7.47
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	21.80	21.67	21.90	21.73
		6	22.21	21.77	21.93	21.74
	4	7	21.58	22.52	22.03	22.38
		8	21.56	22.59	22.32	22.48
Total MIMO Conducted power (mW/10MHz)			604.80	657.41	641.03	648.21
Total MIMO Conducted power (dBm/10MHz)			27.82	28.18	28.07	28.12
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			38.82	39.18	39.07	39.12
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.18	-7.82	-7.93	-7.88

Table 8-125. Equivalent Isotropic Radiated Power Table (n48_1C_40M_Mid Channel_4T)

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	21.38	22.40	21.85	21.57
		2	21.50	22.50	21.94	22.16
	2	3	21.87	22.91	22.30	22.56
		4	22.23	21.39	21.47	21.78
Total MIMO Conducted power (mW/10MHz)			599.58	684.76	619.53	638.95
Total MIMO Conducted power (dBm/10MHz)			27.78	28.36	27.92	28.05
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			38.78	39.36	38.92	39.05
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.22	-7.64	-8.08	-7.95
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	21.54	22.58	22.05	22.45
		6	22.04	22.98	22.85	22.66
	4	7	21.36	22.36	22.01	22.19
		8	21.37	22.33	22.01	22.13
Total MIMO Conducted power (mW/10MHz)			576.38	722.93	670.79	689.18
Total MIMO Conducted power (dBm/10MHz)			27.61	28.59	28.27	28.38
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			38.61	39.59	39.27	39.38
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-8.39	-7.41	-7.73	-7.62

Table 8-126. Equivalent Isotropic Radiated Power Table (n48_1C_40M_High Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.80	25.11
		2	24.89	24.77
	2	3	25.05	25.14
		4	24.80	25.01
Total MIMO Conducted power (mW/10MHz)			1232.20	1267.80
Total MIMO Conducted power (dBm/10MHz)			30.91	31.03
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			41.91	42.03
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-5.09	-4.97
Sector	Zone	Port	QPSK	16QAM
2	3	5	24.99	25.19
		6	24.94	25.04
	4	7	24.79	24.86
		8	24.91	24.90
Total MIMO Conducted power (mW/10MHz)			1238.43	1264.75
Total MIMO Conducted power (dBm/10MHz)			30.93	31.02
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			41.93	42.02
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-5.07	-4.98

Table 8-127. Equivalent Isotropic Radiated Power Table (n48_2C_10M+10M_Low Channel_4T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	25.42	25.48
		2	25.34	25.27
	2	3	25.99	25.92
		4	25.77	25.89
Total MIMO Conducted power (mW/10MHz)			1465.08	1468.69
Total MIMO Conducted power (dBm/10MHz)			31.66	31.67
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			42.66	42.67
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-4.34	-4.33
Sector	Zone	Port	QPSK	16QAM
2	3	5	26.16	26.00
		6	26.19	26.51
	4	7	25.86	25.87
		8	25.94	25.66
Total MIMO Conducted power (mW/10MHz)			1607.08	1600.32
Total MIMO Conducted power (dBm/10MHz)			32.06	32.04
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			43.06	43.04
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-3.94	-3.96

Table 8-128. Equivalent Isotropic Radiated Power Table (n48_2C_10M+10M_Mid Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.79	25.04
		2	24.83	24.83
	2	3	24.87	24.88
		4	24.98	24.89
Total MIMO Conducted power (mW/10MHz)			1227.07	1239.17
Total MIMO Conducted power (dBm/10MHz)			30.89	30.93
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			41.89	41.93
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-5.11	-5.07
Sector	Zone	Port	QPSK	16QAM
2	3	5	24.88	25.85
		6	24.92	25.14
	4	7	24.87	24.91
		8	24.72	25.19
Total MIMO Conducted power (mW/10MHz)			1221.45	1351.29
Total MIMO Conducted power (dBm/10MHz)			30.87	31.31
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			41.87	42.31
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-5.13	-4.69

Table 8-129. Equivalent Isotropic Radiated Power Table (n48_2C_10M+10M_High Channel_4T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	23.11	23.31
		2	23.21	23.40
	2	3	23.45	23.66
		4	23.10	23.40
Total MIMO Conducted power (mW/10MHz)			839.54	884.12
Total MIMO Conducted power (dBm/10MHz)			29.24	29.47
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			40.24	40.47
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-6.76	-6.53
Sector	Zone	Port	QPSK	16QAM
2	3	5	23.42	23.56
		6	23.37	23.56
	4	7	23.10	23.26
		8	23.25	23.38
Total MIMO Conducted power (mW/10MHz)			852.58	883.58
Total MIMO Conducted power (dBm/10MHz)			29.31	29.46
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			40.31	40.46
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-6.69	-6.54

Table 8-130. Equivalent Isotropic Radiated Power Table (n48_2C_10M+20M_Low Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.14	24.04
		2	24.41	24.14
	2	3	24.70	24.29
		4	24.37	24.07
Total MIMO Conducted power (mW/10MHz)			1104.12	1036.74
Total MIMO Conducted power (dBm/10MHz)			30.43	30.16
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			41.43	41.16
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-5.57	-5.84
Sector	Zone	Port	QPSK	16QAM
2	3	5	24.34	24.44
		6	24.48	24.60
	4	7	24.06	24.49
		8	24.41	24.19
Total MIMO Conducted power (mW/10MHz)			1082.93	1109.99
Total MIMO Conducted power (dBm/10MHz)			30.35	30.45
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			41.35	41.45
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-5.65	-5.55

Table 8-131. Equivalent Isotropic Radiated Power Table (n48_2C_10M+20M_Mid Channel_4T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	23.07	23.16
		2	23.10	23.33
	2	3	22.77	23.89
		4	23.20	23.32
Total MIMO Conducted power (mW/10MHz)			805.11	881.98
Total MIMO Conducted power (dBm/10MHz)			29.06	29.45
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			40.06	40.45
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-6.94	-6.55
Sector	Zone	Port	QPSK	16QAM
2	3	5	23.46	23.42
		6	23.64	23.51
	4	7	23.49	23.34
		8	23.19	23.23
Total MIMO Conducted power (mW/10MHz)			884.83	870.33
Total MIMO Conducted power (dBm/10MHz)			29.47	29.40
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			40.47	40.40
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-6.53	-6.60

Table 8-132. Equivalent Isotropic Radiated Power Table (n48_2C_10M+20M_High Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	22.94	22.74
		2	22.51	23.01
	2	3	22.74	22.99
		4	23.00	22.84
Total MIMO Conducted power (mW/10MHz)			762.48	779.29
Total MIMO Conducted power (dBm/10MHz)			28.82	28.92
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			39.82	39.92
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.18	-7.08
Sector	Zone	Port	QPSK	16QAM
2	3	5	22.52	23.06
		6	22.74	22.97
	4	7	23.23	22.83
		8	22.86	22.83
Total MIMO Conducted power (mW/10MHz)			770.16	784.19
Total MIMO Conducted power (dBm/10MHz)			28.87	28.94
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			39.87	39.94
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.13	-7.06

Table 8-133. Equivalent Isotropic Radiated Power Table (n48_2C_20M+20M_Low Channel_4T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	23.23	21.90
		2	23.29	21.93
	2	3	22.96	21.95
		4	23.12	21.97
Total MIMO Conducted power (mW/10MHz)			826.50	624.91
Total MIMO Conducted power (dBm/10MHz)			29.17	27.96
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			40.17	38.96
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-6.83	-8.04
Sector	Zone	Port	QPSK	16QAM
2	3	5	22.86	22.93
		6	22.71	22.89
	4	7	22.66	22.72
		8	22.77	22.33
Total MIMO Conducted power (mW/10MHz)			753.57	748.94
Total MIMO Conducted power (dBm/10MHz)			28.77	28.74
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			39.77	39.74
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.23	-7.26

Table 8-134. Equivalent Isotropic Radiated Power Table (n48_2C_20M+20M_Mid Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	22.71	22.52
		2	22.17	22.53
	2	3	22.10	22.62
		4	21.93	22.44
Total MIMO Conducted power (mW/10MHz)			669.59	715.91
Total MIMO Conducted power (dBm/10MHz)			28.26	28.55
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			39.26	39.55
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.74	-7.45
Sector	Zone	Port	QPSK	16QAM
2	3	5	21.93	22.42
		6	23.13	22.85
	4	7	21.83	22.04
		8	21.94	22.12
Total MIMO Conducted power (mW/10MHz)			670.26	690.22
Total MIMO Conducted power (dBm/10MHz)			28.26	28.39
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			39.26	39.39
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.74	-7.61

Table 8-135. Equivalent Isotropic Radiated Power Table (n48_2C_20M+20M_High Channel_4T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	22.37	23.06
		2	22.50	23.06
	2	3	22.74	23.42
		4	22.30	23.02
Total MIMO Conducted power (mW/10MHz)			708.17	824.84
Total MIMO Conducted power (dBm/10MHz)			28.50	29.16
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			39.50	40.16
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.50	-6.84
Sector	Zone	Port	QPSK	16QAM
2	3	5	23.16	23.14
		6	23.04	23.24
	4	7	22.86	22.93
		8	22.97	22.94
Total MIMO Conducted power (mW/10MHz)			799.74	810.05
Total MIMO Conducted power (dBm/10MHz)			29.03	29.09
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			40.03	40.09
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-6.97	-6.91

Table 8-136. Equivalent Isotropic Radiated Power Table (n48_2C_30M+10M_Low Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	22.62	22.66
		2	22.60	22.63
	2	3	22.93	22.92
		4	22.21	22.70
Total MIMO Conducted power (mW/10MHz)			727.46	749.83
Total MIMO Conducted power (dBm/10MHz)			28.62	28.75
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			39.62	39.75
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.38	-7.25
Sector	Zone	Port	QPSK	16QAM
2	3	5	22.84	22.83
		6	22.91	23.04
	4	7	22.70	22.32
		8	22.63	22.48
Total MIMO Conducted power (mW/10MHz)			757.18	740.86
Total MIMO Conducted power (dBm/10MHz)			28.79	28.70
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			39.79	39.70
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.21	-7.30

Table 8-137. Equivalent Isotropic Radiated Power Table (n48_2C_30M+10M_Mid Channel_4T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	21.75	22.47
		2	21.75	22.51
	2	3	22.34	22.07
		4	21.75	22.36
Total MIMO Conducted power (mW/10MHz)			620.27	688.09
Total MIMO Conducted power (dBm/10MHz)			27.93	28.38
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			38.93	39.38
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.07	-7.62
Sector	Zone	Port	QPSK	16QAM
2	3	5	22.26	22.23
		6	23.01	22.35
	4	7	22.05	22.40
		8	22.35	22.32
Total MIMO Conducted power (mW/10MHz)			700.37	683.29
Total MIMO Conducted power (dBm/10MHz)			28.45	28.35
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm/10MHz)			39.45	39.35
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.55	-7.65

Table 8-138. Equivalent Isotropic Radiated Power Table (n48_2C_30M+10M_High Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	19.24	19.57	19.24	19.19
		2	19.22	19.45	18.92	19.19
	2	3	19.41	19.72	19.39	19.52
		4	19.17	19.82	19.29	19.26
Total MIMO Conducted power (mW/10MHz)			337.41	368.37	333.74	339.84
Total MIMO Conducted power (dBm/10MHz)			25.28	25.66	25.23	25.31
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			36.28	36.66	36.23	36.31
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.72	-10.34	-10.77	-10.69
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	19.31	19.81	18.97	19.32
		6	19.24	19.79	18.92	19.27
	4	7	18.97	19.47	18.70	19.16
		8	19.10	19.65	19.07	19.24
Total MIMO Conducted power (mW/10MHz)			329.43	371.77	311.72	336.39
Total MIMO Conducted power (dBm/10MHz)			25.18	25.70	24.94	25.27
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			36.18	36.70	35.94	36.27
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.82	-10.30	-11.06	-10.73

Table 8-139. Equivalent Isotropic Radiated Power Table (n48_2C_40M+40M_Low Channel_4T)

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	19.44	19.35	18.84	19.01
		2	19.38	19.41	19.14	19.13
	2	3	19.60	19.72	19.74	19.39
		4	19.38	19.34	19.01	19.26
Total MIMO Conducted power (mW/10MHz)			352.50	353.05	332.40	332.69
Total MIMO Conducted power (dBm/10MHz)			25.47	25.48	25.22	25.22
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			36.47	36.48	36.22	36.22
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.53	-10.52	-10.78	-10.78
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	19.34	19.46	19.27	19.23
		6	19.42	19.67	19.27	19.34
	4	7	19.18	19.16	18.94	18.91
		8	19.29	19.30	19.23	18.96
Total MIMO Conducted power (mW/10MHz)			341.11	348.52	331.15	326.16
Total MIMO Conducted power (dBm/10MHz)			25.33	25.42	25.20	25.13
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			36.33	36.42	36.20	36.13
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.67	-10.58	-10.80	-10.87

Table 8-140. Equivalent Isotropic Radiated Power Table (n48_2C_40M+40M_Mid Channel_4T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	19.40	19.37	19.42	19.19
		2	19.62	19.46	19.63	19.02
	2	3	19.75	19.92	19.88	19.75
		4	19.59	19.58	19.29	19.12
Total MIMO Conducted power (mW/10MHz)			364.12	363.76	361.52	338.85
Total MIMO Conducted power (dBm/10MHz)			25.61	25.61	25.58	25.30
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			36.61	36.61	36.58	36.30
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.39	-10.39	-10.42	-10.70
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	19.44	19.49	19.53	19.29
		6	19.81	19.50	19.51	19.52
	4	7	19.26	19.27	19.00	19.09
		8	19.29	19.20	19.15	19.11
Total MIMO Conducted power (mW/10MHz)			352.87	345.75	340.73	337.02
Total MIMO Conducted power (dBm/10MHz)			25.48	25.39	25.32	25.28
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm/10MHz)			36.48	36.39	36.32	36.28
e.i.r.p Limit (dBm/10MHz)			47.00	47.00	47.00	47.00
Margin (dB)			-10.52	-10.61	-10.68	-10.72

Table 8-141. Equivalent Isotropic Radiated Power Table (n48_2C_40M+40M_High Channel_4T)

FCC: A3LSOG2201			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.94	24.82
		2	25.16	24.92
	2	3	25.20	24.92
		4	25.17	24.91
2	3	5	25.10	25.02
		6	25.09	25.02
	4	7	25.10	24.82
		8	25.15	24.89
Total MIMO Conducted power (mW/10MHz)			2597.34	2481.13
Total MIMO Conducted power (dBm/10MHz)			34.15	33.95
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			42.15	41.95
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-4.85	-5.05

Table 8-142. Equivalent Isotropic Radiated Power Table (n48_1C_10M_Low Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	25.19	24.82
		2	25.50	25.20
	2	3	24.87	25.24
		4	25.23	24.95
2	3	5	25.59	25.35
		6	25.56	25.18
	4	7	25.12	25.01
		8	25.21	24.91
Total MIMO Conducted power (mW/10MHz)			2704.49	2580.40
Total MIMO Conducted power (dBm/10MHz)			34.32	34.12
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			42.32	42.12
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-4.68	-4.88

Table 8-143. Equivalent Isotropic Radiated Power Table (n48_1C_10M_Mid Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.99	25.31
		2	25.12	24.99
	2	3	24.85	24.48
		4	24.55	24.69
2	3	5	24.41	24.83
		6	24.46	24.48
	4	7	24.79	24.75
		8	24.47	24.58
Total MIMO Conducted power (mW/10MHz)			2367.69	2400.36
Total MIMO Conducted power (dBm/10MHz)			33.74	33.80
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			41.74	41.80
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-5.26	-5.20

Table 8-144. Equivalent Isotropic Radiated Power Table (n48_1C_10M_High Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	21.61	21.97
		2	21.76	21.93
	2	3	21.83	21.85
		4	21.76	21.68
2	3	5	21.87	21.62
		6	21.85	21.84
	4	7	21.75	21.66
		8	21.88	21.64
Total MIMO Conducted power (mW/10MHz)			1207.94	1204.10
Total MIMO Conducted power (dBm/10MHz)			30.82	30.81
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			38.82	38.81
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.18	-8.19

Table 8-145. Equivalent Isotropic Radiated Power Table (n48_1C_20M_Low Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	21.97	21.99
		2	22.58	22.16
	2	3	22.39	22.30
		4	22.39	22.15
2	3	5	22.20	22.53
		6	22.31	22.50
	4	7	22.37	22.28
		8	22.47	22.40
Total MIMO Conducted power (mW/10MHz)			1370.66	1356.16
Total MIMO Conducted power (dBm/10MHz)			31.37	31.32
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			39.37	39.32
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.63	-7.68

Table 8-146. Equivalent Isotropic Radiated Power Table (n48_1C_20M_Mid Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	21.68	22.00
		2	22.04	22.13
	2	3	21.92	21.81
		4	21.76	21.89
2	3	5	21.89	21.94
		6	22.07	21.92
	4	7	21.87	21.74
		8	21.97	22.04
Total MIMO Conducted power (mW/10MHz)			1239.56	1249.17
Total MIMO Conducted power (dBm/10MHz)			30.93	30.97
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			38.93	38.97
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.07	-8.03

Table 8-147. Equivalent Isotropic Radiated Power Table (n48_1C_20M_High Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	20.19	20.34
		2	20.20	20.38
	2	3	20.30	20.46
		4	20.24	20.44
2	3	5	20.18	20.57
		6	20.27	20.47
	4	7	20.20	20.41
		8	20.30	20.53
Total MIMO Conducted power (mW/10MHz)			844.53	887.46
Total MIMO Conducted power (dBm/10MHz)			29.27	29.48
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			37.27	37.48
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.73	-9.52

Table 8-148. Equivalent Isotropic Radiated Power Table (n48_1C_30M_Low Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	20.01	19.91
		2	19.55	20.38
	2	3	20.29	20.75
		4	20.18	20.39
2	3	5	20.31	20.84
		6	20.68	20.89
	4	7	20.71	20.24
		8	19.96	20.75
Total MIMO Conducted power (mW/10MHz)			842.72	903.95
Total MIMO Conducted power (dBm/10MHz)			29.26	29.56
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			37.26	37.56
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.74	-9.44

Table 8-149. Equivalent Isotropic Radiated Power Table (n48_1C_30M_Mid Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	19.59	20.08
		2	20.37	20.57
	2	3	20.49	19.96
		4	20.15	20.85
2	3	5	20.22	20.75
		6	20.31	20.59
	4	7	19.80	19.77
		8	20.29	20.04
Total MIMO Conducted power (mW/10MHz)			830.34	865.75
Total MIMO Conducted power (dBm/10MHz)			29.19	29.37
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			37.19	37.37
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.81	-9.63

Table 8-150. Equivalent Isotropic Radiated Power Table (n48_1C_30M_High Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	19.67	19.05
		2	18.76	18.78
	2	3	19.20	19.10
		4	19.00	18.96
2	3	5	19.15	19.24
		6	19.16	19.11
	4	7	19.21	18.79
		8	19.22	18.93
Total MIMO Conducted power (mW/10MHz)			662.02	635.11
Total MIMO Conducted power (dBm/10MHz)			28.21	28.03
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			36.21	36.03
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-10.79	-10.97

Table 8-151. Equivalent Isotropic Radiated Power Table (n48_1C_40M_Low Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	19.09	19.07
		2	19.34	18.97
	2	3	18.89	18.91
		4	18.93	18.99
2	3	5	18.84	18.90
		6	19.50	19.29
	4	7	19.26	19.33
		8	19.51	19.16
Total MIMO Conducted power (mW/10MHz)			661.96	647.32
Total MIMO Conducted power (dBm/10MHz)			28.21	28.11
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			36.21	36.11
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-10.79	-10.89

Table 8-152. Equivalent Isotropic Radiated Power Table (n48_1C_40M_Mid Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	18.73	19.23
		2	18.76	18.86
	2	3	19.00	18.73
		4	18.81	18.78
2	3	5	19.05	18.50
		6	18.95	18.69
	4	7	18.61	19.09
		8	18.96	18.84
Total MIMO Conducted power (mW/10MHz)			615.46	613.23
Total MIMO Conducted power (dBm/10MHz)			27.89	27.88
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			35.89	35.88
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-11.11	-11.12

Table 8-153. Equivalent Isotropic Radiated Power Table (n48_1C_40M_High Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	22.09	22.22
		2	22.17	22.48
	2	3	22.06	22.60
		4	21.87	22.53
2	3	5	21.91	22.48
		6	21.69	22.32
	4	7	21.40	21.88
		8	21.48	21.78
Total MIMO Conducted power (mW/10MHz)			1222.59	1357.22
Total MIMO Conducted power (dBm/10MHz)			30.87	31.33
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			38.87	39.33
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.13	-7.67

Table 8-154. Equivalent Isotropic Radiated Power Table (n48_2C_10M+10M_Low Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	22.24	22.66
		2	22.28	22.73
	2	3	22.42	22.63
		4	22.52	22.89
2	3	5	22.43	22.54
		6	22.50	22.45
	4	7	22.17	22.33
		8	22.84	22.95
Total MIMO Conducted power (mW/10MHz)			1399.71	1473.28
Total MIMO Conducted power (dBm/10MHz)			31.46	31.68
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			39.46	39.68
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-7.54	-7.32

Table 8-155. Equivalent Isotropic Radiated Power Table (n48_2C_10M+10M_Mid Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	21.89	21.44
		2	21.42	21.86
	2	3	21.83	22.16
		4	21.71	22.15
2	3	5	21.35	21.96
		6	21.54	22.08
	4	7	21.39	21.93
		8	21.36	21.38
Total MIMO Conducted power (mW/10MHz)			1147.37	1233.11
Total MIMO Conducted power (dBm/10MHz)			30.60	30.91
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			38.60	38.91
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-8.40	-8.09

Table 8-156. Equivalent Isotropic Radiated Power Table (n48_2C_10M+10M_High Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	20.28	19.81
		2	20.49	20.13
	2	3	20.22	20.44
		4	20.20	20.48
2	3	5	20.38	20.86
		6	20.26	21.07
	4	7	19.89	21.09
		8	19.70	20.34
Total MIMO Conducted power (mW/10MHz)			834.65	907.62
Total MIMO Conducted power (dBm/10MHz)			29.22	29.58
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			37.22	37.58
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.78	-9.42

Table 8-157. Equivalent Isotropic Radiated Power Table (n48_2C_10M+20M_Low Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	21.15	20.55
		2	20.96	20.70
	2	3	20.92	20.71
		4	20.93	20.51
2	3	5	20.48	20.34
		6	20.97	20.53
	4	7	20.54	20.67
		8	20.88	20.46
Total MIMO Conducted power (mW/10MHz)			974.94	910.19
Total MIMO Conducted power (dBm/10MHz)			29.89	29.59
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			37.89	37.59
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.11	-9.41

Table 8-158. Equivalent Isotropic Radiated Power Table (n48_2C_10M+20M_Mid Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	20.63	20.23
		2	20.76	19.88
	2	3	20.11	19.59
		4	20.21	19.49
2	3	5	19.88	19.80
		6	19.55	20.20
	4	7	19.47	19.77
		8	20.04	19.96
Total MIMO Conducted power (mW/10MHz)			819.12	776.76
Total MIMO Conducted power (dBm/10MHz)			29.13	28.90
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			37.13	36.90
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-9.87	-10.10

Table 8-159. Equivalent Isotropic Radiated Power Table (n48_2C_10M+20M_High Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	19.68	19.64
		2	19.89	19.68
	2	3	19.87	19.89
		4	19.63	19.63
2	3	5	19.86	19.76
		6	19.72	19.74
	4	7	19.83	19.63
		8	19.99	19.63
Total MIMO Conducted power (mW/10MHz)			765.80	746.75
Total MIMO Conducted power (dBm/10MHz)			28.84	28.73
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			36.84	36.73
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-10.16	-10.27

Table 8-160. Equivalent Isotropic Radiated Power Table (n48_2C_20M+20M_Low Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	19.16	19.68
		2	19.93	19.74
	2	3	19.99	19.45
		4	19.61	19.90
2	3	5	19.36	19.86
		6	19.53	19.78
	4	7	19.14	19.79
		8	19.92	19.95
Total MIMO Conducted power (mW/10MHz)			728.25	758.94
Total MIMO Conducted power (dBm/10MHz)			28.62	28.80
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			36.62	36.80
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-10.38	-10.20

Table 8-161. Equivalent Isotropic Radiated Power Table (n48_2C_20M+20M_Mid Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	19.10	19.40
		2	19.54	19.50
	2	3	19.64	19.27
		4	19.45	19.51
2	3	5	19.15	19.22
		6	19.86	19.48
	4	7	19.58	19.29
		8	19.76	19.50
Total MIMO Conducted power (mW/10MHz)			715.84	696.40
Total MIMO Conducted power (dBm/10MHz)			28.55	28.43
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			36.55	36.43
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-10.45	-10.57

Table 8-162. Equivalent Isotropic Radiated Power Table (n48_2C_20M+20M_High Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	19.75	19.77
		2	19.77	19.80
	2	3	19.78	19.77
		4	19.45	19.36
2	3	5	19.64	19.75
		6	19.69	19.58
	4	7	19.66	19.44
		8	19.79	19.32
Total MIMO Conducted power (mW/10MHz)			745.32	730.08
Total MIMO Conducted power (dBm/10MHz)			28.72	28.63
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			36.72	36.63
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-10.28	-10.37

Table 8-163. Equivalent Isotropic Radiated Power Table (n48_2C_30M+10M_Low Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	18.77	19.30
		2	18.84	19.45
	2	3	18.88	19.46
		4	18.88	19.35
2	3	5	18.90	19.55
		6	19.02	19.97
	4	7	18.78	19.35
		8	19.00	19.55
Total MIMO Conducted power (mW/10MHz)			618.80	713.35
Total MIMO Conducted power (dBm/10MHz)			27.92	28.53
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			35.92	36.53
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-11.08	-10.47

Table 8-164. Equivalent Isotropic Radiated Power Table (n48_2C_30M+10M_Mid Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	18.51	18.95
		2	18.57	19.10
	2	3	18.81	19.06
		4	18.50	19.00
2	3	5	18.77	19.12
		6	18.81	19.26
	4	7	18.48	18.93
		8	18.57	19.06
Total MIMO Conducted power (mW/10MHz)			583.51	644.47
Total MIMO Conducted power (dBm/10MHz)			27.66	28.09
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			35.66	36.09
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-11.34	-10.91

Table 8-165. Equivalent Isotropic Radiated Power Table (n48_2C_30M+10M_High Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	15.97	16.34
		2	16.05	16.46
	2	3	16.15	16.47
		4	16.08	16.50
2	3	5	16.21	16.53
		6	16.23	16.53
	4	7	15.94	16.31
		8	16.15	16.50
Total MIMO Conducted power (mW/10MHz)			325.80	353.72
Total MIMO Conducted power (dBm/10MHz)			25.13	25.49
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			33.13	33.49
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-13.87	-13.51

Table 8-166. Equivalent Isotropic Radiated Power Table (n48_2C_40M+40M_Low Channel_8T)

Sector	Zone	Port	QPSK	16QAM
1	1	1	16.17	16.02
		2	16.27	16.19
	2	3	16.33	16.21
		4	16.26	16.02
2	3	5	16.34	16.26
		6	16.44	16.72
	4	7	16.15	16.09
		8	16.28	16.26
Total MIMO Conducted power (mW/10MHz)			339.76	335.53
Total MIMO Conducted power (dBm/10MHz)			25.31	25.26
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			33.31	33.26
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-13.69	-13.74

Table 8-167. Equivalent Isotropic Radiated Power Table (n48_2C_40M+40M_Mid Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	16.12	16.18
		2	16.30	16.31
	2	3	16.32	16.39
		4	16.22	16.38
2	3	5	16.33	16.35
		6	16.77	16.46
	4	7	16.19	16.20
		8	16.35	16.31
Total MIMO Conducted power (mW/10MHz)			343.55	343.11
Total MIMO Conducted power (dBm/10MHz)			25.36	25.35
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm/10MHz)			33.36	33.35
e.i.r.p Limit (dBm/10MHz)			47.00	47.00
Margin (dB)			-13.64	-13.65

Table 8-168. Equivalent Isotropic Radiated Power Table (n48_2C_40M+40M_High Channel_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 8-211. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_256QAM – Mid Channel_2T, Port 5)



Plot 8-212. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_256QAM – Mid Channel_2T, Port 6)



Plot 8-213. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM – Mid Channel_2T, Port 5)



Plot 8-214. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM – Mid Channel_2T, Port 6)



Plot 8-211. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_256QAM – Mid Channel_4T, Port 5)



Plot 8-211. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_256QAM – Mid Channel_4T, Port 6)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 8-211. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_256QAM – Mid Channel_4T, Port 7)



Plot 8-211. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_256QAM – Mid Channel_4T, Port 8)



Plot 8-212. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM – Mid Channel_4T, Port 5)



Plot 8-213. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM – Mid Channel_4T, Port 6)



Plot 8-214. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM – Mid Channel_4T, Port 7)



Plot 8-215. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM – Mid Channel_4T, Port 8)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 8-216. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_QPSK - Mid Channel_8T, Port 1)



Plot 8-217. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_QPSK - Mid Channel_8T, Port 2)



Plot 8-218. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_QPSK - Mid Channel_8T, Port 3)



Plot 8-219. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_QPSK - Mid Channel_8T, Port 4)



Plot 8-220. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_QPSK - Mid Channel_8T, Port 5)



Plot 8-221. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_QPSK - Mid Channel_8T, Port 6)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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Plot 8-222. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_QPSK - Mid Channel_8T, Port 7)



Plot 8-223. Equivalent Isotropic Radiated Power Plot
(n48_1C_10M_QPSK - Mid Channel_8T, Port 8)



Plot 8-224. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM - Mid Channel_8T, Port 1)



Plot 8-225. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM - Mid Channel_8T, Port 2)



Plot 8-226. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM - Mid Channel_8T, Port 3)



Plot 8-227. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM - Mid Channel_8T, Port 4)

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Plot 8-228. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM - Mid Channel_8T, Port 5)



Plot 8-229. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM - Mid Channel_8T, Port 6)



Plot 8-230. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM - Mid Channel_8T, Port 7)



Plot 8-231. Equivalent Isotropic Radiated Power Plot
(n48_2C_10M+10M_16QAM - Mid Channel_8T, Port 8)

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8.6 Peak To Average Power Ratio (PAPR)

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how

much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

Test Procedure Used

ANSI C63.26 - Section 5.2.3.4.
KDB 971168 D01 v03r01 - Section 5.7

Test Setting

The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The spectrum analyzer settings were as follows:

1. The signal analyzer's CCDF function is enabled.
2. Frequency = carrier center frequency
3. Measurement BW $\geq$ OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed.
For continuous signals (>98% duty cycle), the measurement interval was set to 1ms.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

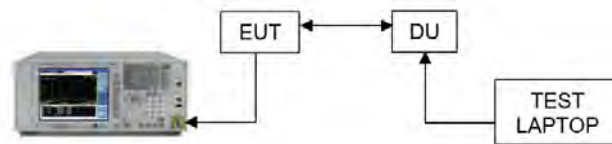


Figure 8-5. Test Instrument & Measurement Setup

Limit

Peak-to-average power ratio (PAPR) limit shall not exceed 13 dB for more than 0.1% of the time.

Test Notes

All modes of operation were investigated and the worst configuration result plots are reported in each RF chain.

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Channel	Sector	Zone	Port	PAPR (dB)				Limit (dB)
				QPSK	16QAM	64QAM	256QAM	
Low	1	1	1	7.81	7.77	7.89	7.77	≤ 13
			2	7.83	7.76	7.80	7.76	
		2	3	7.78	7.77	7.87	7.75	
			4	7.75	7.78	7.82	7.74	
	2	3	5	7.83	7.84	7.80	7.76	
			6	7.82	7.80	7.83	7.74	
		4	7	7.83	7.81	7.76	7.75	
			8	7.83	7.81	7.84	7.77	
Middle	1	1	1	7.80	7.90	7.85	7.72	
			2	7.77	7.86	7.83	7.66	
		2	3	7.90	7.87	7.82	7.61	
			4	7.77	7.85	7.83	7.72	
	2	3	5	7.75	7.82	7.80	7.65	
			6	7.77	7.81	7.78	7.63	
		4	7	7.77	7.82	7.79	7.67	
			8	7.80	7.83	7.79	7.65	
High	1	1	1	7.83	7.87	7.89	7.82	
			2	7.84	7.85	7.86	7.78	
		2	3	7.96	7.81	7.84	7.77	
			4	7.99	7.87	7.89	7.78	
	2	3	5	7.80	7.81	7.73	7.72	
			6	7.81	7.84	7.81	7.76	
		4	7	7.79	7.77	7.82	7.72	
			8	7.81	7.80	7.80	7.72	

Table 8-169. Peak To Average Power Ratio Summary Data (n48_1C_10M_2T)

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Channel	Sector	Zone	Port	PAPR (dB)				Limit (dB)
				QPSK	16QAM	64QAM	256QAM	
Low	1	1	1	7.86	7.78	7.83	7.82	≤ 13
			2	7.86	7.77	7.82	7.81	
		2	3	7.86	7.79	7.83	7.81	
			4	7.86	7.77	7.82	7.81	
	2	3	5	7.86	7.78	7.82	7.83	
			6	7.84	7.77	7.81	7.81	
		4	7	7.85	7.77	7.83	7.81	
			8	7.84	7.77	7.82	7.81	
Middle	1	1	1	7.83	7.76	7.82	7.84	
			2	7.83	7.75	7.82	7.83	
		2	3	7.85	7.77	7.82	7.84	
			4	7.84	7.75	7.81	7.83	
	2	3	5	7.83	7.75	7.81	7.84	
			6	7.80	7.74	7.81	7.82	
		4	7	7.81	7.76	7.82	7.83	
			8	7.82	7.77	7.80	7.83	
High	1	1	1	7.87	7.78	7.82	7.86	
			2	7.87	7.77	7.80	7.87	
		2	3	7.85	7.76	7.78	7.85	
			4	7.87	7.78	7.81	7.86	
	2	3	5	7.86	7.77	7.79	7.84	
			6	7.86	7.77	7.80	7.86	
		4	7	7.86	7.75	7.79	7.83	
			8	7.86	7.77	7.79	7.84	

Table 8-170. Peak To Average Power Ratio Summary Data (n48_1C_20M_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 153 of 289

Channel	Sector	Zone	Port	PAPR (dB)				Limit (dB)
				QPSK	16QAM	64QAM	256QAM	
Low	1	1	1	7.76	7.78	7.78	7.74	≤ 13
			2	7.79	7.78	7.80	7.75	
		2	3	7.77	7.79	7.76	7.74	
			4	7.79	7.79	7.76	7.74	
	2	3	5	7.80	7.79	7.82	7.85	
			6	7.78	7.79	7.81	7.86	
		4	7	7.79	7.81	7.83	7.86	
			8	7.79	7.80	7.80	7.85	
Middle	1	1	1	7.69	7.79	7.79	7.79	
			2	7.67	7.79	7.80	7.79	
		2	3	7.68	7.80	7.79	7.80	
			4	7.70	7.78	7.79	7.79	
	2	3	5	7.80	7.71	7.76	7.80	
			6	7.75	7.71	7.77	7.76	
		4	7	7.73	7.78	7.75	7.78	
			8	7.76	7.79	7.74	7.79	
High	1	1	1	7.71	7.82	7.74	7.73	
			2	7.68	7.83	7.74	7.75	
		2	3	7.68	7.80	7.79	7.77	
			4	7.66	7.81	7.77	7.76	
	2	3	5	7.79	7.79	7.86	7.78	
			6	7.78	7.81	7.85	7.76	
		4	7	7.79	7.79	7.85	7.76	
			8	7.79	7.78	7.84	7.77	

Table 8-171. Peak To Average Power Ratio Summary Data (n48_1C_30M_2T)

FCC: A3LSOG2201			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 154 of 289	

Channel	Sector	Zone	Port	PAPR (dB)				Limit (dB)
				QPSK	16QAM	64QAM	256QAM	
Low	1	1	1	7.85	7.79	7.85	7.79	≤ 13
			2	7.84	7.79	7.84	7.79	
		2	3	7.86	7.79	7.84	7.81	
			4	7.84	7.79	7.83	7.78	
	2	3	5	7.85	7.81	7.84	7.84	
			6	7.83	7.78	7.81	7.82	
		4	7	7.84	7.80	7.83	7.84	
			8	7.84	7.79	7.82	7.83	
Middle	1	1	1	7.85	7.86	7.85	7.83	
			2	7.84	7.84	7.84	7.82	
		2	3	7.85	7.84	7.84	7.83	
			4	7.83	7.84	7.84	7.81	
	2	3	5	7.83	7.85	7.82	7.81	
			6	7.83	7.84	7.82	7.79	
		4	7	7.82	7.83	7.81	7.80	
			8	7.84	7.84	7.82	7.81	
High	1	1	1	7.83	7.86	7.86	7.80	
			2	7.82	7.85	7.84	7.80	
		2	3	7.81	7.85	7.84	7.82	
			4	7.82	7.84	7.84	7.79	
	2	3	5	7.80	7.84	7.86	7.82	
			6	7.79	7.83	7.86	7.80	
		4	7	7.80	7.84	7.85	7.82	
			8	7.80	7.83	7.86	7.83	

Table 8-172. Peak To Average Power Ratio Summary Data (n48_1C_40M_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 155 of 289

Channel	Configuration	PAPR (dB)	Limit (dB)
		QPSK	
Low	n48_2C_10M+10M	8.13	≤ 13
	n48_2C_10M+20M	8.18	
	n48_2C_20M+20M	8.00	
	n48_2C_10M+30M	7.95	
	n48_2C_40M+40M	8.03	
Middle	n48_2C_10M+10M	8.07	
	n48_2C_10M+20M	8.12	
	n48_2C_20M+20M	8.06	
	n48_2C_10M+30M	8.03	
	n48_2C_40M+40M	8.06	
High	n48_2C_10M+10M	7.95	
	n48_2C_10M+20M	8.13	
	n48_2C_20M+20M	7.99	
	n48_2C_10M+30M	8.02	
	n48_2C_40M+40M	8.01	

Table 8-173. Peak To Average Power Ratio Summary Data (n48_Multi Carrier_2T)

FCC: A3LSOG2201			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 156 of 289

Channel	Sector	Zone	Port	PAPR (dB)		Limit (dB)
				QPSK	16QAM	
Low	1	1	1	8.19	8.27	≤ 13
			2	8.20	8.27	
		2	3	8.19	8.26	
			4	8.20	8.29	
	2	3	5	8.18	8.27	
			6	8.16	8.30	
		4	7	8.21	8.30	
			8	8.18	8.29	
Middle	1	1	1	8.41	8.34	
			2	8.40	8.34	
		2	3	8.43	8.33	
			4	8.40	8.34	
	2	3	5	8.39	8.33	
			6	8.41	8.35	
		4	7	8.41	8.33	
			8	8.40	8.32	
High	1	1	1	8.14	7.95	
			2	8.20	7.98	
		2	3	8.13	7.94	
			4	8.18	7.98	
	2	3	5	8.20	7.98	
			6	8.15	7.97	
		4	7	8.21	7.98	
			8	8.19	7.96	

Table 8-174. Peak To Average Power Ratio Summary Data (n48_1C_10M_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 157 of 289

Channel	Sector	Zone	Port	PAPR (dB)		Limit (dB)
				QPSK	16QAM	
Low	1	1	1	8.26	8.23	≤ 13
			2	8.24	8.24	
		2	3	8.24	8.25	
			4	8.26	8.27	
	2	3	5	8.28	8.26	
			6	8.25	8.18	
		4	7	8.29	8.30	
			8	8.30	8.24	
Middle	1	1	1	8.25	8.46	
			2	8.25	8.47	
		2	3	8.25	8.45	
			4	8.27	8.50	
	2	3	5	8.25	8.49	
			6	8.24	8.47	
		4	7	8.26	8.50	
			8	8.26	8.50	
High	1	1	1	8.18	8.51	
			2	8.18	8.60	
		2	3	8.17	8.49	
			4	8.18	8.55	
	2	3	5	8.16	8.54	
			6	8.16	8.49	
		4	7	8.17	8.61	
			8	8.17	8.58	

Table 8-175. Peak To Average Power Ratio Summary Data (n48_1C_20M_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 158 of 289

Channel	Sector	Zone	Port	PAPR (dB)		Limit (dB)
				QPSK	16QAM	
Low	1	1	1	8.23	8.21	≤ 13
			2	8.22	8.19	
		2	3	8.23	8.17	
			4	8.26	8.21	
	2	3	5	8.26	8.20	
			6	8.23	8.18	
		4	7	8.25	8.18	
			8	8.26	8.19	
Middle	1	1	1	8.46	8.50	
			2	8.46	8.50	
		2	3	8.45	8.49	
			4	8.48	8.51	
	2	3	5	8.50	8.53	
			6	8.45	8.49	
		4	7	8.49	8.56	
			8	8.51	8.54	
High	1	1	1	8.29	8.24	
			2	8.30	8.24	
		2	3	8.28	8.22	
			4	8.27	8.24	
	2	3	5	8.30	8.26	
			6	8.26	8.22	
		4	7	8.30	8.30	
			8	8.31	8.25	

Table 8-176. Peak To Average Power Ratio Summary Data (n48_1C_30M_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 159 of 289

Channel	Sector	Zone	Port	PAPR (dB)		Limit (dB)
				QPSK	16QAM	
Low	1	1	1	8.34	8.37	≤ 13
			2	8.35	8.36	
		2	3	8.33	8.36	
			4	8.37	8.36	
	2	3	5	8.33	8.36	
			6	8.30	8.33	
		4	7	8.33	8.36	
			8	8.31	8.38	
Middle	1	1	1	8.37	8.18	
			2	8.36	8.18	
		2	3	8.36	8.18	
			4	8.39	8.17	
	2	3	5	8.37	8.17	
			6	8.34	8.17	
		4	7	8.36	8.17	
			8	8.37	8.18	
High	1	1	1	8.32	8.47	
			2	8.30	8.49	
		2	3	8.30	8.45	
			4	8.31	8.47	
	2	3	5	8.29	8.47	
			6	8.26	8.45	
		4	7	8.31	8.33	
			8	8.31	8.51	

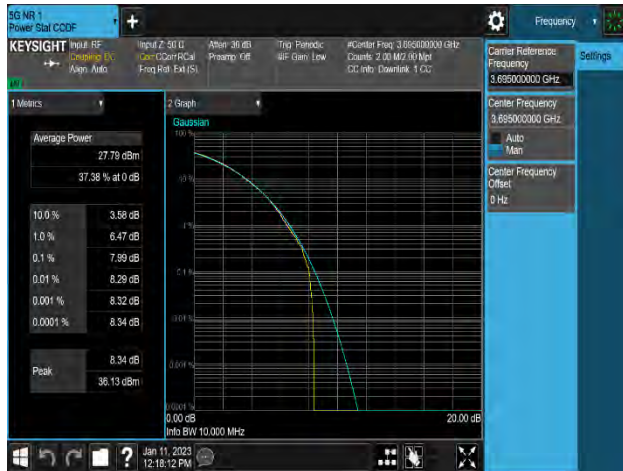
Table 8-177. Peak To Average Power Ratio Summary Data (n48_1C_40M_8T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 160 of 289

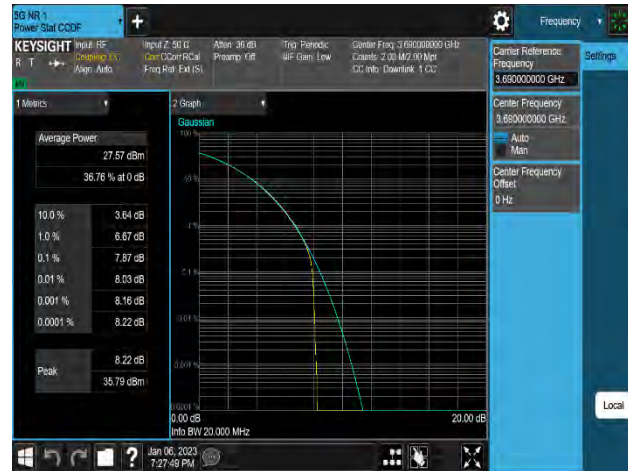
Channel	Configuration	PAPR (dB)	Limit (dB)
		QPSK	
Low	n48_2C_10M+10M	8.69	≤ 13
	n48_2C_10M+20M	8.37	
	n48_2C_20M+20M	8.27	
	n48_2C_10M+30M	8.28	
	n48_2C_40M+40M	8.47	
Middle	n48_2C_10M+10M	8.48	
	n48_2C_10M+20M	8.18	
	n48_2C_20M+20M	8.40	
	n48_2C_10M+30M	8.23	
	n48_2C_40M+40M	8.43	
High	n48_2C_10M+10M	8.15	
	n48_2C_10M+20M	8.36	
	n48_2C_20M+20M	8.33	
	n48_2C_10M+30M	8.17	
	n48_2C_40M+40M	8.40	

Table 8-178. Peak To Average Power Ratio Summary Data (n48_Multi Carrier_8T)

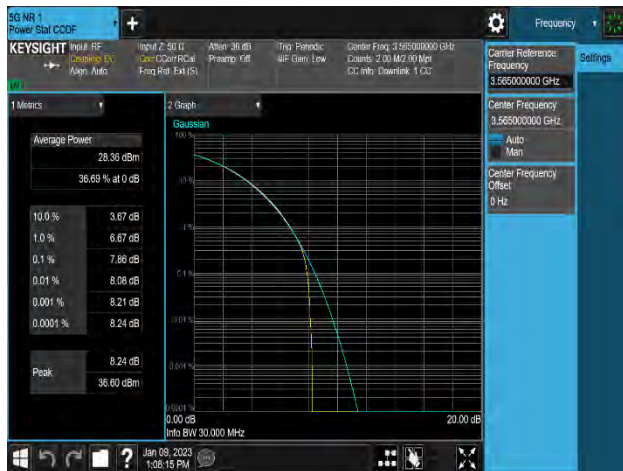
FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 161 of 289



Plot 8-232. Peak To Average Power Ratio Plot
(n48_1C_10M_QPSK - High Channel_2T, Port 4)



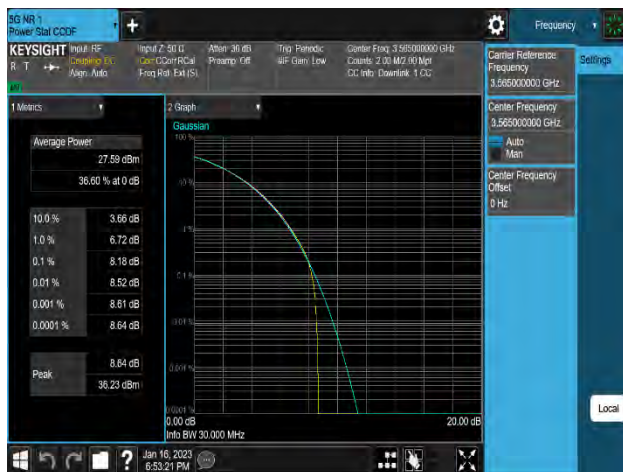
Plot 8-233. Peak To Average Power Ratio Plot
(n48_1C_20M_256QAM - High Channel_2T, Port 2)



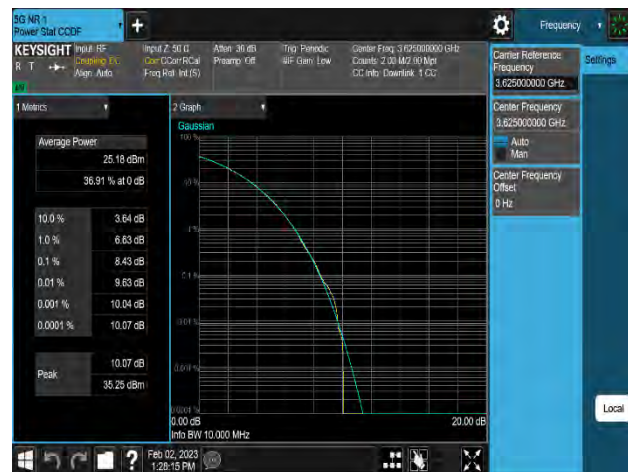
Plot 8-234. Peak To Average Power Ratio Plot
(n48_1C_30M_256QAM - Low Channel, Port 6_2TX)



Plot 8-235. Peak To Average Power Ratio Plot
(n48_1C_40M_16QAM - Mid Channel, Port 1_2TX)

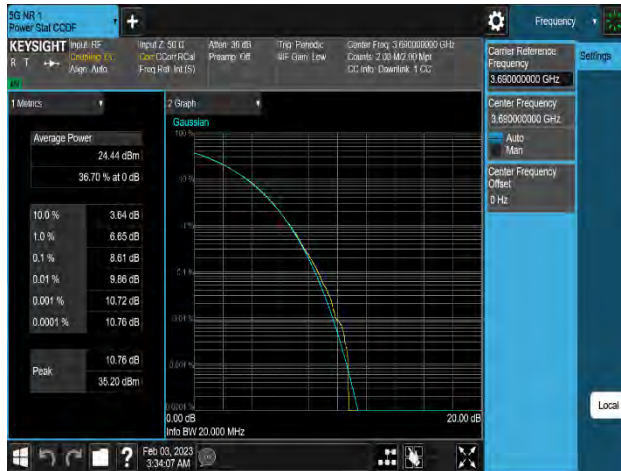


Plot 8-236. Peak To Average Power Ratio Plot
(n48_2C_10M+20M_QPSK - Low Channel, Port 1_2TX)

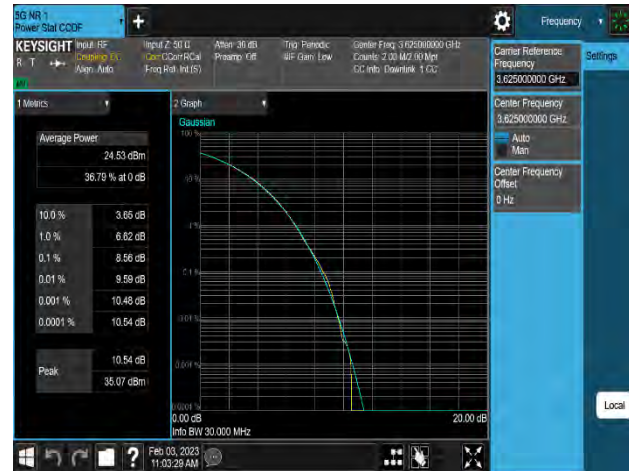


Plot 8-237. Peak To Average Power Ratio Plot
(n48_1C_10M_QPSK - Mid Channel, Port 3_8TX)

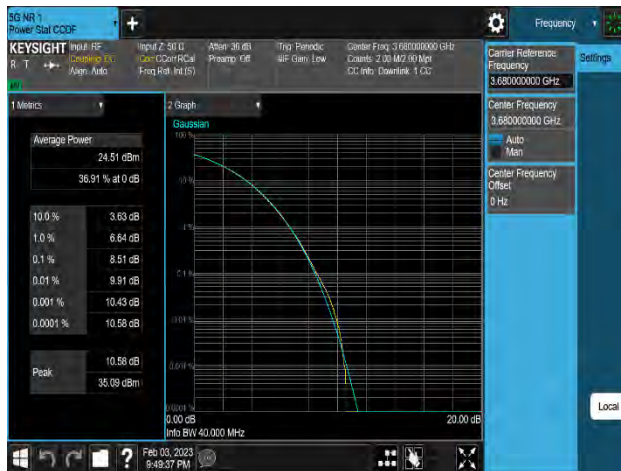
FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K222121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 162 of 289



Plot 8-238. Peak To Average Power Ratio Plot
(n48_1C_20M_16QAM - High Channel, Port 7_8TX)



Plot 8-239. Peak To Average Power Ratio Plot
(n48_1C_30M_16QAM - Mid Channel, Port 7_8TX)



Plot 8-240. Peak To Average Power Ratio Plot
(n48_1C_40M_16QAM - High Channel, Port 8_8TX)



Plot 8-241. Peak To Average Power Ratio Plot
(n48_2C_10M+10M_QPSK - Low Channel, Port 1_8TX)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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8.7 Channel Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated, and the worst case configuration results are reported in this section.

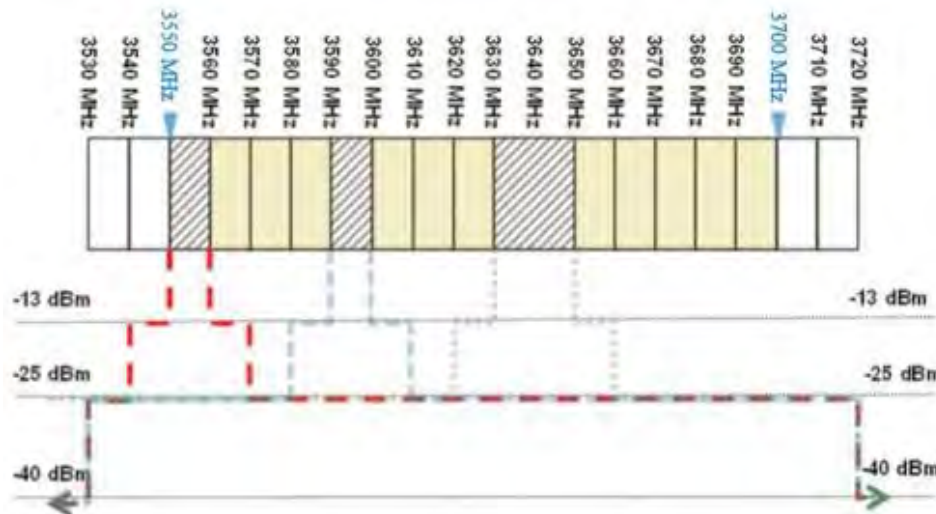
Test Procedure Used

ANSI C63.26 - Section 5.2.3.4.
KDB 971168 D01 v03r01 - Section 5.7
KDB 662911 D01 v02r01 - Section E)3)

Test Setting

1. Start and stop frequency were set such that the Channel Edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the Channel Edge
3. RBW: 1% of fundamental for measurements within 1 MHz immediately outside the authorized channel
1 MHz for beyond 1 MHz outside the authorized channel.
4. VBW $\geq 3 \times$ RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times$ Span/RBW
7. Trace mode = trace average
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Limit



- Within 0 MHz to 10 MHz above and below the assigned channel ≤ -13 dBm/MHz
- Greater than 10 MHz above and below the assigned channel ≤ -25 dBm/MHz
- Any emission below 3530 MHz and above 3720 MHz ≤ -40 dBm/MHz

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

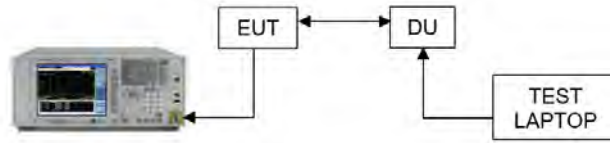


Figure 8-6. Test Instrument & Measurement Setup

Test Notes

1. All modes of operation were investigated and the worst configuration result plots are reported in each RF chain.
2. When detected Emission, this value has been applied as reference offset in the spectrum analyzer.

Duty cycle correction factor was added to spectrum analyzer.
Duty cycle = transmit on-time / transmitter period = 3.72 ms / 5.00 ms = 0.74
Duty cycle correction factor = $10 \cdot \log(1/\text{duty cycle}) = 10 \cdot \log(1/0.74) = 1.28 \text{ dB}$
3. Per Section 96.41(e)(3)—resolution bandwidth 1% of fundamental for measurements within 1 MHz immediately outside the authorized channel; and 1 MHz for beyond 1 MHz outside the authorized channel.
4. The limits were adjusted by a factor of $[-10 \cdot \log(n)] \text{ dB}$ to account for the device operation as a n port MIMO transmitter, as per FCC KDB 622911. MIMO Factor calculation as below:
5. When the channel edge detect with a margin of under 1dB to Limit, That used to integration method was performed using the spectrum analyzer's band power functions. The spectrum analyzer marker was placed at one-half of the RBW away from the band edge. The integration value was set to a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter.

Frequency range	Basic Limit (dBm/MHz)	MIMO Factor (dB)			Adjusted limit (dBm)		
		2T	4T	8T	2T	4T	8T
0 MHz to 10 MHz above and below the assigned channel	-13.00	3.01	6.02	9.03	- 16.01	- 19.02	- 22.03
10 MHz above and below the assigned channel	-25.00	3.01	6.02	9.03	- 28.01	- 31.02	- 34.03
below 3530 MHz and above 3720 MHz	-40.00	3.01	6.02	9.03	- 43.01	- 46.02	- 49.03

Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.540	-46.55	-45.99	-47.80	-47.04	-28.01	-17.98
			3.540 to 3.549	-32.04	-32.39	-31.68	-31.38	-16.01	-15.37
			3.549 to 3.550	-37.98	-37.74	-36.68	-38.01	-16.01	-20.67
			3.560 to 3.561	-35.68	-36.59	-36.28	-36.90	-16.01	-19.67
			3.561 to 3.570	-32.98	-32.79	-32.79	-34.07	-16.01	-16.78
			3.570 to 3.720	-40.55	-41.22	-41.98	-42.22	-28.01	-12.54
		2	3.530 to 3.540	-47.52	-45.76	-45.99	-47.86	-28.01	-17.75
			3.540 to 3.549	-33.65	-31.59	-31.37	-31.43	-16.01	-15.36
			3.549 to 3.550	-37.96	-37.26	-37.82	-37.13	-16.01	-21.12
			3.560 to 3.561	-36.89	-36.39	-35.52	-36.99	-16.01	-19.51
			3.561 to 3.570	-33.78	-33.24	-32.77	-32.99	-16.01	-16.76
	2	3	3.570 to 3.720	-42.12	-41.61	-40.28	-43.30	-28.01	-12.27
			3.530 to 3.540	-48.89	-45.97	-48.40	-46.92	-28.01	-17.96
			3.540 to 3.549	-31.71	-31.45	-32.23	-31.46	-16.01	-15.44
			3.549 to 3.550	-37.63	-37.90	-39.63	-37.40	-16.01	-21.39
			3.560 to 3.561	-37.26	-35.18	-36.57	-36.69	-16.01	-19.17
			3.561 to 3.570	-32.81	-32.61	-32.98	-32.27	-16.01	-16.26
		4	3.570 to 3.720	-42.65	-40.06	-40.85	-40.81	-28.01	-12.05
			3.530 to 3.540	-47.18	-43.99	-45.07	-45.16	-28.01	-15.98
			3.540 to 3.549	-31.33	-31.04	-30.98	-31.22	-16.01	-14.97
			3.549 to 3.550	-38.22	-37.41	-38.09	-37.51	-16.01	-21.40
			3.560 to 3.561	-35.35	-36.37	-38.18	-36.53	-16.01	-19.34
2	3	5	3.561 to 3.570	-33.12	-32.82	-33.24	-32.79	-16.01	-16.78
			3.570 to 3.720	-42.92	-40.79	-41.26	-41.61	-28.01	-12.78
			3.530 to 3.540	-48.28	-48.57	-48.02	-48.32	-28.01	-20.01
			3.540 to 3.549	-31.45	-31.29	-31.56	-32.14	-16.01	-15.28
			3.549 to 3.550	-38.18	-37.79	-38.65	-33.32	-16.01	-17.31
			3.560 to 3.561	-36.88	-36.33	-36.81	-36.77	-16.01	-20.32
		6	3.561 to 3.570	-32.71	-32.52	-33.05	-31.90	-16.01	-15.89
			3.570 to 3.720	-41.41	-43.50	-42.82	-43.25	-28.01	-13.40
			3.530 to 3.540	-45.98	-45.86	-45.38	-45.99	-28.01	-17.37
			3.540 to 3.549	-32.27	-30.76	-31.75	-32.52	-16.01	-14.75
			3.549 to 3.550	-37.26	-38.10	-39.56	-35.93	-16.01	-19.92
	4	7	3.560 to 3.561	-37.36	-35.96	-37.49	-37.46	-16.01	-19.95
			3.561 to 3.570	-33.08	-32.58	-32.66	-32.79	-16.01	-16.57
			3.570 to 3.720	-41.14	-41.47	-40.64	-41.04	-28.01	-12.63
		8	3.530 to 3.540	-50.48	-50.54	-44.47	-48.36	-28.01	-16.46
			3.540 to 3.549	-32.96	-33.01	-31.22	-30.08	-16.01	-14.07
			3.549 to 3.550	-39.99	-38.08	-38.58	-36.45	-16.01	-20.44
			3.560 to 3.561	-37.30	-36.59	-37.43	-38.09	-16.01	-20.58
			3.561 to 3.570	-32.60	-32.98	-32.94	-32.82	-16.01	-16.59
			3.570 to 3.720	-43.68	-44.04	-40.30	-42.04	-28.01	-12.29
		8	3.530 to 3.540	-48.06	-47.39	-47.45	-48.26	-28.01	-19.38
			3.540 to 3.549	-31.18	-31.38	-33.62	-31.21	-16.01	-15.17
			3.549 to 3.550	-38.35	-38.08	-37.94	-36.49	-16.01	-20.48
			3.560 to 3.561	-36.51	-36.59	-35.91	-37.40	-16.01	-19.90
			3.561 to 3.570	-32.03	-33.27	-31.88	-34.70	-16.01	-15.87
			3.570 to 3.720	-41.04	-41.78	-41.16	-42.03	-28.01	-13.03

Table 8-179. Channel Edge Emission Summary Data (n48_1C_10M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 166 of 289	

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.540	-35.65	-40.77	-39.83	-41.12	-28.01	-7.64
			3.540 to 3.549	-30.77	-31.42	-30.72	-30.97	-16.01	-14.71
			3.549 to 3.550	-37.38	-36.00	-36.74	-35.67	-16.01	-19.66
			3.560 to 3.561	-35.57	-36.66	-35.89	-36.51	-16.01	-19.56
			3.561 to 3.570	-31.33	-31.09	-31.82	-31.44	-16.01	-15.08
			3.570 to 3.720	-40.41	-43.02	-42.57	-41.88	-28.01	-12.40
		2	3.530 to 3.540	-41.00	-40.77	-40.54	-40.76	-28.01	-12.53
			3.540 to 3.549	-31.97	-30.46	-31.43	-31.72	-16.01	-14.45
			3.549 to 3.550	-38.93	-37.20	-36.34	-36.51	-16.01	-20.33
			3.560 to 3.561	-36.21	-35.28	-36.37	-35.29	-16.01	-19.27
			3.561 to 3.570	-32.11	-31.99	-31.60	-31.54	-16.01	-15.53
			3.570 to 3.720	-42.20	-43.15	-43.72	-42.71	-28.01	-14.19
	2	3	3.530 to 3.540	-39.11	-39.66	-39.48	-40.63	-28.01	-11.10
			3.540 to 3.549	-31.58	-30.80	-31.30	-31.85	-16.01	-14.79
			3.549 to 3.550	-37.76	-37.44	-36.89	-38.00	-16.01	-20.88
			3.560 to 3.561	-34.98	-35.79	-34.61	-34.89	-16.01	-18.60
			3.561 to 3.570	-32.17	-31.63	-31.64	-32.07	-16.01	-15.62
			3.570 to 3.720	-40.56	-42.06	-42.81	-42.89	-28.01	-12.55
		4	3.530 to 3.540	-40.69	-39.99	-39.23	-39.94	-28.01	-11.22
			3.540 to 3.549	-31.30	-31.46	-31.49	-30.68	-16.01	-14.67
			3.549 to 3.550	-37.35	-34.83	-37.82	-36.92	-16.01	-18.82
			3.560 to 3.561	-36.40	-34.63	-35.43	-36.28	-16.01	-18.62
			3.561 to 3.570	-32.65	-31.65	-31.85	-31.43	-16.01	-15.42
			3.570 to 3.720	-42.77	-42.46	-41.86	-42.59	-28.01	-13.85
			3.530 to 3.540	-39.73	-38.72	-39.94	-39.81	-39.73	-10.71
2	3	5	3.540 to 3.549	-29.46	-30.00	-31.66	-31.10	-29.46	-13.45
			3.549 to 3.550	-36.78	-37.38	-36.34	-36.56	-36.78	-20.33
			3.560 to 3.561	-35.39	-34.57	-36.54	-33.42	-35.39	-17.41
			3.561 to 3.570	-30.97	-30.98	-31.85	-30.62	-30.97	-14.61
			3.570 to 3.720	-41.60	-39.87	-41.74	-41.45	-41.60	-11.86
		6	3.530 to 3.540	-37.46	-38.22	-38.88	-37.54	-37.46	-9.45
			3.540 to 3.549	-31.17	-30.42	-31.35	-30.69	-31.17	-14.41
			3.549 to 3.550	-36.21	-36.21	-37.60	-35.69	-36.21	-19.68
			3.560 to 3.561	-35.02	-35.53	-37.03	-35.55	-35.02	-19.01
			3.561 to 3.570	-31.12	-30.24	-30.97	-31.01	-31.12	-14.23
			3.570 to 3.720	-40.97	-40.07	-41.34	-39.72	-40.97	-11.71
			3.530 to 3.540	-39.12	-40.61	-40.10	-39.72	-28.01	-11.11
	4	7	3.540 to 3.549	-32.55	-31.04	-32.40	-31.57	-16.01	-15.03
			3.549 to 3.550	-36.96	-37.76	-38.05	-36.44	-16.01	-20.43
			3.560 to 3.561	-35.42	-36.80	-35.05	-35.23	-16.01	-19.04
			3.561 to 3.570	-31.47	-31.59	-32.04	-31.06	-16.01	-15.05
			3.570 to 3.720	-41.84	-40.94	-42.48	-43.30	-28.01	-12.93
		8	3.530 to 3.540	-38.44	-39.88	-38.36	-37.00	-28.01	-8.99
			3.540 to 3.549	-30.60	-30.92	-30.34	-30.90	-16.01	-14.33
			3.549 to 3.550	-38.14	-37.31	-34.58	-36.04	-16.01	-18.57
			3.560 to 3.561	-34.37	-35.46	-36.82	-36.34	-16.01	-18.36
			3.561 to 3.570	-31.07	-31.21	-31.49	-31.32	-16.01	-15.06
			3.570 to 3.720	-41.12	-40.59	-40.66	-37.57	-28.01	-9.56

Table 8-180. Channel Edge Emission Summary Data (n48_1C_10M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 167 of 289	

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.580	-38.99	-40.30	-36.48	-40.75	-28.01	-8.47
			3.680 to 3.689	-30.89	-31.26	-30.47	-30.84	-16.01	-14.46
			3.689 to 3.690	-35.32	-36.02	-37.10	-38.44	-16.01	-19.31
			3.700 to 3.701	-37.31	-38.43	-38.22	-36.94	-16.01	-20.93
			3.701 to 3.710	-32.58	-32.94	-32.13	-32.60	-16.01	-16.12
			3.710 to 3.720	-46.07	-46.77	-43.96	-47.34	-28.01	-15.95
		2	3.530 to 3.580	-34.51	-38.16	-40.57	-41.92	-28.01	-6.50
			3.680 to 3.689	-29.84	-31.00	-30.93	-31.45	-16.01	-13.83
			3.689 to 3.690	-35.12	-34.52	-34.39	-38.58	-16.01	-18.38
			3.700 to 3.701	-35.01	-38.06	-36.55	-35.78	-16.01	-19.00
			3.701 to 3.710	-32.11	-32.73	-33.78	-33.19	-16.01	-16.10
	2	3	3.710 to 3.720	-43.14	-46.66	-47.57	-48.24	-28.01	-15.13
			3.530 to 3.580	-33.41	-34.02	-35.20	-34.22	-28.01	-5.40
			3.680 to 3.689	-29.64	-29.48	-29.88	-29.84	-16.01	-13.47
			3.689 to 3.690	-33.59	-34.89	-35.08	-35.08	-16.01	-17.58
			3.700 to 3.701	-35.86	-35.12	-37.23	-35.36	-16.01	-19.11
		4	3.701 to 3.710	-31.33	-31.49	-32.18	-30.28	-16.01	-14.27
			3.710 to 3.720	-40.63	-40.54	-41.68	-38.85	-28.01	-10.84
			3.530 to 3.580	-40.20	-38.65	-35.37	-38.36	-28.01	-7.36
			3.680 to 3.689	-31.06	-30.44	-28.37	-30.40	-16.01	-12.36
			3.689 to 3.690	-35.34	-36.14	-34.06	-35.18	-16.01	-18.05
2	3	5	3.700 to 3.701	-37.97	-36.29	-35.99	-36.83	-16.01	-19.98
			3.701 to 3.710	-33.15	-33.55	-32.14	-33.12	-16.01	-16.13
			3.710 to 3.720	-47.48	-45.04	-41.31	-44.92	-28.01	-13.30
		6	3.530 to 3.580	-40.64	-36.37	-36.60	-34.99	-28.01	-6.98
			3.680 to 3.689	-31.73	-30.94	-30.34	-29.96	-16.01	-13.95
			3.689 to 3.690	-36.72	-37.23	-37.21	-37.85	-16.01	-20.71
			3.700 to 3.701	-38.22	-37.33	-35.83	-37.19	-16.01	-19.82
			3.701 to 3.710	-32.83	-32.62	-32.79	-31.58	-16.01	-15.57
			3.710 to 3.720	-45.26	-42.40	-41.95	-41.84	-28.01	-13.83
		7	3.530 to 3.580	-38.01	-36.59	-34.60	-33.84	-28.01	-5.83
			3.680 to 3.689	-29.75	-29.98	-29.04	-29.00	-16.01	-12.99
			3.689 to 3.690	-35.51	-37.54	-32.82	-33.66	-16.01	-16.81
			3.700 to 3.701	-35.80	-36.53	-35.18	-33.91	-16.01	-17.90
			3.701 to 3.710	-32.29	-31.82	-31.03	-31.20	-16.01	-15.02
	4	8	3.710 to 3.720	-43.69	-42.16	-40.39	-40.56	-28.01	-12.38
			3.530 to 3.580	-40.50	-40.89	-37.37	-39.04	-28.01	-9.36
			3.680 to 3.689	-31.41	-30.94	-29.81	-30.07	-16.01	-13.80
			3.689 to 3.690	-39.54	-36.75	-37.41	-34.72	-16.01	-18.71
			3.700 to 3.701	-38.33	-38.52	-38.26	-38.47	-16.01	-22.25
		9	3.701 to 3.710	-32.83	-33.31	-33.27	-33.66	-16.01	-16.82
			3.710 to 3.720	-46.77	-46.20	-44.90	-45.74	-28.01	-16.89
			3.530 to 3.580	-40.45	-39.02	-39.61	-38.33	-28.01	-10.32
			3.680 to 3.689	-31.29	-30.13	-31.30	-30.64	-16.01	-14.12
			3.689 to 3.690	-36.49	-38.60	-35.90	-37.74	-16.01	-19.89
			3.700 to 3.701	-37.71	-38.50	-37.79	-37.40	-16.01	-21.39
			3.701 to 3.710	-33.53	-33.44	-32.62	-32.23	-16.01	-16.22
			3.710 to 3.720	-46.39	-45.25	-45.00	-43.94	-28.01	-15.93

Table 8-181. Channel Edge Emission Summary Data (n48_1C_10M_High Channel_2T)

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.580	-33.41	-34.02	-35.20	-34.22	-31.02	-2.39
			3.680 to 3.689	-29.64	-29.48	-29.88	-29.84	-19.02	-10.46
			3.689 to 3.690	-33.59	-34.89	-35.08	-35.08	-19.02	-14.57
			3.700 to 3.701	-35.86	-35.12	-37.23	-35.36	-19.02	-16.10
			3.701 to 3.710	-31.33	-31.49	-32.18	-30.28	-19.02	-11.26
			3.710 to 3.720	-40.63	-40.54	-41.68	-38.85	-31.02	-7.83

Table 8-182. Channel Edge Emission Summary Data Worst Mode 4T limit calculation (n48_1C_10M_4T)

FCC: A3LSOG2201			MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 168 of 289	

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.540	-44.76	-45.68	-44.24	-43.73	-28.01	-15.72
			3.540 to 3.549	-37.95	-36.99	-36.20	-35.67	-16.01	-19.66
			3.549 to 3.550	-32.06	-30.73	-31.83	-31.88	-16.01	-14.72
			3.570 to 3.571	-28.99	-30.66	-30.17	-28.78	-16.01	-12.77
			3.571 to 3.580	-37.24	-36.22	-36.45	-36.55	-16.01	-20.21
			3.580 to 3.720	-38.79	-39.12	-39.51	-39.54	-28.01	-10.78
		2	3.530 to 3.540	-42.86	-43.50	-41.81	-41.79	-28.01	-13.78
			3.540 to 3.549	-36.93	-37.26	-36.69	-36.55	-16.01	-20.54
			3.549 to 3.550	-32.38	-30.78	-32.29	-31.75	-16.01	-14.77
			3.570 to 3.571	-29.02	-27.20	-31.02	-29.59	-16.01	-11.19
	2	3	3.571 to 3.580	-37.37	-37.90	-37.62	-38.62	-16.01	-21.36
			3.580 to 3.720	-39.02	-40.14	-39.12	-39.29	-28.01	-11.01
			3.530 to 3.540	-41.35	-41.28	-40.96	-40.36	-28.01	-12.35
			3.540 to 3.549	-34.43	-36.16	-35.41	-35.06	-16.01	-18.42
			3.549 to 3.550	-31.86	-29.48	-32.68	-30.69	-16.01	-13.47
			3.570 to 3.571	-26.99	-29.17	-29.42	-28.29	-16.01	-10.98
			3.571 to 3.580	-35.45	-34.91	-36.29	-35.74	-16.01	-18.90
			3.580 to 3.720	-38.62	-39.88	-39.30	-40.57	-28.01	-10.61
		4	3.530 to 3.540	-42.52	-43.34	-41.95	-41.24	-28.01	-13.23
			3.540 to 3.549	-37.50	-36.72	-37.39	-37.17	-16.01	-20.71
			3.549 to 3.550	-31.54	-30.30	-31.19	-30.47	-16.01	-14.29
			3.570 to 3.571	-29.75	-28.42	-28.78	-27.85	-16.01	-11.84
			3.571 to 3.580	-38.03	-36.15	-36.38	-37.99	-16.01	-20.14
			3.580 to 3.720	-38.61	-39.69	-39.34	-39.74	-28.01	-10.60
2	3	5	3.530 to 3.540	-43.09	-43.21	-42.36	-41.91	-28.01	-13.90
			3.540 to 3.549	-34.86	-34.80	-34.93	-35.39	-16.01	-18.79
			3.549 to 3.550	-29.65	-32.15	-30.97	-30.95	-16.01	-13.64
			3.570 to 3.571	-29.50	-27.90	-28.98	-30.47	-16.01	-11.89
			3.571 to 3.580	-36.62	-35.96	-36.05	-36.36	-16.01	-19.95
			3.580 to 3.720	-38.55	-39.26	-39.25	-39.08	-28.01	-10.54
		6	3.530 to 3.540	-40.91	-40.63	-40.63	-39.23	-28.01	-11.22
			3.540 to 3.549	-35.79	-35.07	-35.09	-33.46	-16.01	-17.45
			3.549 to 3.550	-29.13	-27.99	-30.17	-30.15	-16.01	-11.98
			3.570 to 3.571	-28.67	-27.14	-30.17	-28.09	-16.01	-11.13
			3.571 to 3.580	-35.22	-35.02	-35.88	-36.29	-16.01	-19.01
			3.580 to 3.720	-37.59	-38.70	-38.13	-38.43	-28.01	-9.58
		7	3.530 to 3.540	-44.52	-44.66	-43.28	-43.78	-28.01	-15.27
			3.540 to 3.549	-36.58	-37.70	-37.24	-36.31	-16.01	-20.30
			3.549 to 3.550	-29.45	-31.10	-31.23	-32.28	-16.01	-13.44
			3.570 to 3.571	-29.45	-30.37	-29.67	-29.12	-16.01	-13.11
			3.571 to 3.580	-37.88	-37.47	-37.49	-38.96	-16.01	-21.46
			3.580 to 3.720	-39.76	-40.55	-39.84	-40.36	-28.01	-11.75
	4	8	3.530 to 3.540	-42.36	-42.66	-41.60	-41.09	-28.01	-13.08
			3.540 to 3.549	-35.02	-35.28	-35.19	-34.56	-16.01	-18.55
			3.549 to 3.550	-32.06	-30.31	-31.73	-30.24	-16.01	-14.23
			3.570 to 3.571	-29.77	-26.40	-28.44	-29.35	-16.01	-10.39
			3.571 to 3.580	-36.36	-36.41	-35.12	-36.73	-16.01	-19.11
			3.580 to 3.720	-36.36	-39.01	-37.85	-38.17	-28.01	-8.35

Table 8-183. Channel Edge Emission Summary Data (n48_1C_20M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 169 of 289	

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.605	-36.71	-36.85	-37.67	-35.59	-28.01	-7.58
			3.605 to 3.614	-36.24	-35.40	-34.59	-33.54	-16.01	-17.53
			3.614 to 3.615	-29.15	-30.65	-30.00	-30.24	-16.01	-13.14
			3.635 to 3.636	-30.04	-29.65	-29.21	-29.95	-16.01	-13.20
			3.636 to 3.645	-36.25	-36.57	-37.02	-35.82	-16.01	-19.81
			3.645 to 3.720	-41.99	-38.41	-37.64	-37.04	-28.01	-9.03
		2	3.530 to 3.605	-37.49	-38.61	-38.30	-37.12	-28.01	-9.11
			3.605 to 3.614	-35.77	-35.93	-35.82	-36.55	-16.01	-19.76
			3.614 to 3.615	-31.69	-29.69	-32.21	-30.54	-16.01	-13.68
			3.635 to 3.636	-28.45	-29.02	-29.30	-29.80	-16.01	-12.44
	2	3	3.636 to 3.645	-36.38	-37.60	-36.78	-37.12	-16.01	-20.37
			3.645 to 3.720	-42.01	-38.21	-39.33	-40.98	-28.01	-10.20
			3.530 to 3.605	-35.79	-37.38	-37.40	-35.67	-28.01	-7.66
			3.605 to 3.614	-35.75	-35.38	-35.12	-34.45	-16.01	-18.44
			3.614 to 3.615	-30.62	-29.65	-29.89	-27.38	-16.01	-11.37
			3.635 to 3.636	-29.34	-28.59	-29.16	-28.42	-16.01	-12.41
			3.636 to 3.645	-34.94	-35.66	-35.88	-35.56	-16.01	-18.93
		4	3.645 to 3.720	-39.46	-38.79	-36.57	-37.78	-28.01	-8.56
			3.530 to 3.605	-36.77	-36.81	-35.67	-35.70	-28.01	-7.66
			3.605 to 3.614	-34.77	-35.48	-34.40	-34.70	-16.01	-18.39
2	3	5	3.614 to 3.615	-29.90	-30.49	-28.58	-30.65	-16.01	-12.57
			3.635 to 3.636	-28.28	-31.25	-29.24	-31.30	-16.01	-12.27
			3.636 to 3.645	-36.69	-37.53	-37.29	-36.40	-16.01	-20.39
			3.645 to 3.720	-41.80	-40.03	-39.02	-39.79	-28.01	-11.01
			3.530 to 3.605	-34.90	-35.29	-36.85	-35.39	-28.01	-6.89
		6	3.605 to 3.614	-34.97	-34.52	-33.17	-33.74	-16.01	-17.16
			3.614 to 3.615	-30.26	-30.50	-29.71	-29.84	-16.01	-13.70
			3.635 to 3.636	-28.87	-28.66	-30.38	-28.02	-16.01	-12.01
			3.636 to 3.645	-34.51	-34.43	-34.77	-35.36	-16.01	-18.42
			3.645 to 3.720	-39.86	-37.74	-36.93	-38.26	-28.01	-8.92
			3.530 to 3.605	-34.21	-34.75	-35.82	-34.51	-28.01	-6.20
			3.605 to 3.614	-34.08	-35.31	-34.30	-34.34	-16.01	-18.07
			3.614 to 3.615	-28.20	-30.13	-29.44	-29.89	-16.01	-12.19
	4	7	3.635 to 3.636	-29.08	-27.75	-28.97	-29.43	-16.01	-11.74
			3.636 to 3.645	-34.35	-34.50	-35.09	-35.41	-16.01	-18.34
			3.645 to 3.720	-38.23	-35.74	-36.10	-37.74	-28.01	-7.73
			3.530 to 3.605	-36.14	-36.21	-37.85	-35.54	-28.01	-7.53
			3.605 to 3.614	-36.25	-35.58	-34.84	-35.13	-16.01	-18.83
		8	3.614 to 3.615	-30.08	-31.69	-29.50	-32.35	-16.01	-13.49
			3.635 to 3.636	-29.84	-29.75	-29.19	-29.05	-16.01	-13.04
			3.636 to 3.645	-35.90	-36.69	-36.49	-36.65	-16.01	-19.89
			3.645 to 3.720	-40.49	-37.99	-36.87	-38.77	-28.01	-8.86
			3.530 to 3.605	-34.43	-32.42	-36.47	-34.26	-28.01	-4.41
			3.605 to 3.614	-34.20	-33.17	-33.73	-34.17	-16.01	-17.16
			3.614 to 3.615	-30.59	-30.73	-29.13	-31.40	-16.01	-13.12
			3.635 to 3.636	-29.79	-28.32	-30.13	-29.81	-16.01	-12.31
			3.636 to 3.645	-35.39	-34.53	-35.51	-35.23	-16.01	-18.52
			3.645 to 3.720	-39.58	-36.99	-37.12	-37.96	-28.01	-8.98

Table 8-184. Channel Edge Emission Summary Data (n48_1C_20M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 170 of 289	

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.670	-37.28	-35.14	-35.39	-35.97	-28.01	-7.13
			3.670 to 3.679	-35.85	-36.37	-35.50	-34.94	-16.01	-18.93
			3.679 to 3.680	-29.21	-28.17	-30.76	-27.73	-16.01	-11.72
			3.700 to 3.701	-31.89	-31.37	-30.95	-30.02	-16.01	-14.01
			3.701 to 3.710	-36.36	-35.30	-36.24	-36.16	-16.01	-19.29
			3.710 to 3.720	-42.61	-44.62	-44.19	-42.77	-28.01	-14.60
		2	3.530 to 3.670	-36.46	-34.49	-36.13	-35.17	-28.01	-6.48
			3.670 to 3.679	-35.51	-35.88	-36.21	-34.62	-16.01	-18.61
			3.679 to 3.680	-29.41	-28.90	-30.57	-29.02	-16.01	-12.89
			3.700 to 3.701	-30.49	-30.58	-29.26	-29.82	-16.01	-13.25
	2	3	3.701 to 3.710	-37.26	-37.32	-36.45	-36.77	-16.01	-20.44
			3.710 to 3.720	-45.59	-46.24	-45.74	-44.67	-28.01	-16.66
			3.530 to 3.670	-34.59	-33.99	-33.73	-34.08	-28.01	-5.72
			3.670 to 3.679	-33.77	-33.93	-34.69	-33.78	-16.01	-17.76
			3.679 to 3.680	-29.39	-28.88	-30.58	-30.16	-16.01	-12.87
			3.700 to 3.701	-30.21	-29.91	-30.56	-31.17	-16.01	-13.90
			3.701 to 3.710	-35.09	-34.44	-35.94	-36.39	-16.01	-18.43
		4	3.710 to 3.720	-42.15	-43.34	-42.68	-41.60	-28.01	-13.59
			3.530 to 3.670	-36.87	-35.31	-36.08	-35.48	-28.01	-7.30
			3.670 to 3.679	-35.95	-35.51	-35.88	-34.64	-16.01	-18.63
2	3	5	3.679 to 3.680	-29.11	-28.31	-30.03	-27.98	-16.01	-11.97
			3.700 to 3.701	-31.27	-29.41	-32.55	-30.16	-16.01	-13.40
			3.701 to 3.710	-37.25	-36.20	-36.25	-35.84	-16.01	-19.83
			3.710 to 3.720	-43.77	-45.20	-45.49	-43.57	-28.01	-15.56
		6	3.530 to 3.670	-34.95	-32.75	-32.83	-35.68	-28.01	-4.74
			3.670 to 3.679	-33.56	-34.23	-33.66	-33.02	-16.01	-17.01
			3.679 to 3.680	-27.80	-29.90	-30.16	-29.42	-16.01	-11.79
			3.700 to 3.701	-30.07	-28.71	-28.09	-30.99	-16.01	-12.08
			3.701 to 3.710	-34.93	-34.58	-35.26	-35.35	-16.01	-18.57
			3.710 to 3.720	-42.01	-43.57	-41.98	-41.29	-28.01	-13.28
			3.530 to 3.670	-33.56	-32.93	-32.89	-32.93	-28.01	-4.88
	4	7	3.670 to 3.679	-34.04	-33.73	-33.84	-32.52	-16.01	-16.51
			3.679 to 3.680	-28.01	-28.10	-27.76	-28.73	-16.01	-11.75
			3.700 to 3.701	-30.41	-29.14	-29.30	-30.61	-16.01	-13.13
			3.701 to 3.710	-34.48	-34.45	-34.83	-34.94	-16.01	-18.44
			3.710 to 3.720	-41.16	-42.67	-42.24	-41.10	-28.01	-13.09
		8	3.530 to 3.670	-35.84	-33.90	-33.47	-35.18	-28.01	-5.46
			3.670 to 3.679	-34.18	-34.69	-34.96	-34.04	-16.01	-18.03
			3.679 to 3.680	-28.65	-29.90	-28.68	-29.69	-16.01	-12.64
			3.700 to 3.701	-31.91	-29.10	-30.11	-30.20	-16.01	-13.09
			3.701 to 3.710	-35.04	-35.84	-35.68	-35.49	-16.01	-19.03
			3.710 to 3.720	-42.45	-44.35	-44.22	-42.10	-28.01	-14.09
		8	3.530 to 3.670	-35.40	-32.69	-33.83	-34.14	-28.01	-4.68
			3.670 to 3.679	-34.33	-33.94	-33.86	-33.79	-16.01	-17.78
			3.679 to 3.680	-29.91	-30.30	-28.54	-29.15	-16.01	-12.53
			3.700 to 3.701	-30.36	-30.32	-30.41	-30.67	-16.01	-14.31
			3.701 to 3.710	-34.45	-34.14	-35.25	-34.33	-16.01	-18.13
			3.710 to 3.720	-42.21	-43.08	-43.27	-41.54	-28.01	-13.53

Table 8-185. Channel Edge Emission Summary Data (n48_1C_20M_High Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 171 of 289	

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.540	-44.20	-44.32	-42.81	-45.02	-28.01	-14.80
			3.540 to 3.549	-37.81	-37.70	-36.31	-37.56	-16.01	-20.30
			3.549 to 3.550	-30.19	-28.20	-29.09	-28.58	-16.01	-12.19
			3.580 to 3.581	-28.43	-29.02	-29.58	-27.87	-16.01	-11.86
			3.581 to 3.590	-37.77	-37.08	-36.27	-37.58	-16.01	-20.26
			3.590 to 3.720	-38.21	-36.31	-38.73	-38.55	-28.01	-8.30
		2	3.530 to 3.540	-42.76	-41.96	-41.20	-41.67	-28.01	-13.19
			3.540 to 3.549	-37.78	-37.24	-37.20	-36.82	-16.01	-20.81
			3.549 to 3.550	-30.67	-30.84	-31.37	-30.29	-16.01	-14.28
			3.580 to 3.581	-28.63	-30.12	-28.91	-30.08	-16.01	-12.62
			3.581 to 3.590	-37.38	-36.81	-35.94	-36.93	-16.01	-19.93
			3.590 to 3.720	-38.40	-36.23	-37.23	-37.99	-28.01	-8.22
	2	3	3.530 to 3.540	-41.32	-41.37	-39.98	-40.92	-28.01	-11.97
			3.540 to 3.549	-35.01	-35.97	-34.91	-36.07	-16.01	-18.90
			3.549 to 3.550	-28.72	-29.32	-28.85	-28.46	-16.01	-12.45
			3.580 to 3.581	-28.70	-29.58	-28.22	-25.29	-16.01	-9.28
			3.581 to 3.590	-36.10	-35.41	-34.81	-34.89	-16.01	-18.80
			3.590 to 3.720	-36.98	-35.44	-36.67	-36.72	-28.01	-7.43
		4	3.530 to 3.540	-40.38	-41.10	-40.66	-41.55	-28.01	-12.37
			3.540 to 3.549	-37.13	-38.15	-37.00	-36.60	-16.01	-20.59
			3.549 to 3.550	-29.68	-29.58	-29.55	-29.50	-16.01	-13.49
			3.580 to 3.581	-29.24	-29.62	-29.93	-27.66	-16.01	-11.65
			3.581 to 3.590	-36.85	-37.24	-36.63	-37.61	-16.01	-20.62
			3.590 to 3.720	-36.97	-36.42	-38.37	-38.21	-28.01	-8.41
2	3	5	3.530 to 3.540	-41.81	-42.44	-42.33	-42.68	-28.01	-13.80
			3.540 to 3.549	-36.03	-35.19	-34.45	-35.90	-16.01	-18.44
			3.549 to 3.550	-30.50	-28.66	-28.68	-28.35	-16.01	-12.34
			3.580 to 3.581	-26.99	-28.70	-29.46	-28.08	-16.01	-10.98
			3.581 to 3.590	-35.30	-36.03	-35.43	-35.65	-16.01	-19.29
			3.590 to 3.720	-38.18	-37.24	-38.37	-37.30	-28.01	-9.23
		6	3.530 to 3.540	-41.17	-41.59	-40.91	-40.76	-28.01	-12.75
			3.540 to 3.549	-36.31	-35.52	-35.16	-36.41	-16.01	-19.15
			3.549 to 3.550	-29.04	-28.63	-29.15	-30.04	-16.01	-12.62
			3.580 to 3.581	-25.13	-28.80	-26.64	-27.60	-16.01	-9.12
			3.581 to 3.590	-35.59	-35.33	-35.22	-35.54	-16.01	-19.21
			3.590 to 3.720	-37.01	-36.34	-36.10	-37.01	-28.01	-8.09
	4	7	3.530 to 3.540	-44.47	-44.35	-43.66	-44.09	-28.01	-15.65
			3.540 to 3.549	-38.07	-38.20	-37.20	-37.15	-16.01	-21.14
			3.549 to 3.550	-29.04	-27.42	-30.31	-30.07	-16.01	-11.41
			3.580 to 3.581	-27.78	-29.68	-28.99	-27.53	-16.01	-11.52
			3.581 to 3.590	-36.87	-37.49	-36.41	-37.09	-16.01	-20.40
			3.590 to 3.720	-39.46	-37.62	-39.08	-38.68	-28.01	-9.61
		8	3.530 to 3.540	-41.69	-41.55	-41.62	-41.12	-28.01	-13.11
			3.540 to 3.549	-36.74	-35.02	-35.16	-35.69	-16.01	-19.01
			3.549 to 3.550	-28.69	-30.04	-30.05	-30.08	-16.01	-12.68
			3.580 to 3.581	-28.73	-28.97	-26.57	-29.51	-16.01	-10.56
			3.581 to 3.590	-35.66	-35.59	-35.32	-36.08	-16.01	-19.31
			3.590 to 3.720	-37.88	-37.34	-37.38	-37.10	-28.01	-9.09

Table 8-186. Channel Edge Emission Summary Data (n48_1C_30M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 172 of 289

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.600	-37.35	-36.27	-37.59	-37.15	-28.01	-8.26
			3.600 to 3.609	-35.71	-35.21	-34.71	-35.70	-16.01	-18.70
			3.609 to 3.610	-29.15	-29.10	-27.82	-30.97	-16.01	-11.81
			3.640 to 3.641	-28.49	-27.27	-29.37	-28.85	-16.01	-11.26
			3.641 to 3.650	-37.03	-37.00	-36.16	-37.08	-16.01	-20.15
			3.650 to 3.720	-37.88	-38.46	-39.82	-37.94	-28.01	-9.87
		2	3.530 to 3.600	-37.59	-36.01	-36.94	-36.55	-28.01	-8.00
			3.600 to 3.609	-37.29	-35.46	-35.64	-36.51	-16.01	-19.45
			3.609 to 3.610	-28.96	-29.60	-30.04	-29.01	-16.01	-12.95
			3.640 to 3.641	-28.35	-29.05	-27.47	-28.85	-16.01	-11.46
	2	3	3.641 to 3.650	-37.01	-35.87	-35.68	-36.59	-16.01	-19.67
			3.650 to 3.720	-38.90	-37.16	-38.87	-39.31	-28.01	-9.15
			3.530 to 3.600	-36.97	-36.77	-36.04	-36.58	-28.01	-8.03
			3.600 to 3.609	-36.13	-34.79	-33.82	-34.66	-16.01	-17.81
			3.609 to 3.610	-29.36	-26.74	-30.45	-30.27	-16.01	-10.73
			3.640 to 3.641	-29.16	-28.17	-27.77	-30.53	-16.01	-11.76
			3.641 to 3.650	-35.07	-34.98	-34.13	-35.04	-16.01	-18.12
			3.650 to 3.720	-37.44	-36.94	-37.87	-36.73	-28.01	-8.72
		4	3.530 to 3.600	-37.58	-36.76	-36.52	-36.69	-28.01	-8.51
			3.600 to 3.609	-35.69	-35.24	-34.98	-35.28	-16.01	-18.97
			3.609 to 3.610	-29.90	-29.58	-29.14	-30.14	-16.01	-13.13
			3.640 to 3.641	-29.17	-28.83	-28.69	-29.24	-16.01	-12.68
			3.641 to 3.650	-36.02	-37.23	-35.89	-36.59	-16.01	-19.88
			3.650 to 3.720	-37.84	-38.61	-39.23	-38.50	-28.01	-9.83
2	3	5	3.530 to 3.600	-36.63	-35.13	-34.52	-34.15	-28.01	-6.14
			3.600 to 3.609	-33.62	-33.82	-32.46	-32.91	-16.01	-16.45
			3.609 to 3.610	-28.81	-28.48	-28.08	-27.82	-16.01	-11.81
			3.640 to 3.641	-29.33	-26.10	-29.00	-28.92	-16.01	-10.09
			3.641 to 3.650	-34.80	-34.52	-34.60	-33.97	-16.01	-17.96
			3.650 to 3.720	-37.32	-36.29	-35.00	-35.36	-28.01	-6.99
		6	3.530 to 3.600	-36.02	-35.59	-35.44	-35.20	-28.01	-7.19
			3.600 to 3.609	-34.33	-34.32	-34.10	-34.80	-16.01	-18.09
			3.609 to 3.610	-27.13	-25.69	-27.48	-28.71	-16.01	-9.68
			3.640 to 3.641	-26.54	-27.79	-26.81	-27.10	-16.01	-10.53
			3.641 to 3.650	-34.96	-34.23	-35.12	-35.09	-16.01	-18.22
			3.650 to 3.720	-36.93	-35.89	-34.75	-35.53	-28.01	-6.74
	4	7	3.530 to 3.600	-37.28	-36.30	-36.54	-37.08	-28.01	-8.29
			3.600 to 3.609	-35.91	-35.97	-34.89	-36.19	-16.01	-18.88
			3.609 to 3.610	-30.21	-30.42	-30.93	-29.99	-16.01	-13.98
			3.640 to 3.641	-29.58	-28.45	-28.14	-27.44	-16.01	-11.43
			3.641 to 3.650	-36.51	-36.28	-36.51	-35.82	-16.01	-19.81
			3.650 to 3.720	-38.05	-37.05	-36.26	-37.48	-28.01	-8.25
		8	3.530 to 3.600	-36.63	-35.26	-35.43	-35.56	-28.01	-7.25
			3.600 to 3.609	-34.93	-34.96	-32.91	-34.34	-16.01	-16.90
			3.609 to 3.610	-29.49	-29.26	-27.31	-30.44	-16.01	-11.30
			3.640 to 3.641	-28.59	-28.86	-28.00	-28.59	-16.01	-11.99
			3.641 to 3.650	-35.17	-34.79	-35.51	-34.81	-16.01	-18.78
			3.650 to 3.720	-37.15	-35.58	-35.82	-37.18	-28.01	-7.57

Table 8-187. Channel Edge Emission Summary Data (n48_1C_30M_Mid Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 173 of 289	

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.660	-37.64	-35.37	-36.73	-35.89	-28.01	-7.36
			3.660 to 3.669	-35.74	-35.89	-36.05	-35.73	-16.01	-19.72
			3.669 to 3.670	-27.72	-29.39	-29.13	-29.24	-16.01	-11.71
			3.700 to 3.701	-30.57	-29.99	-29.25	-30.48	-16.01	-13.24
			3.701 to 3.710	-36.79	-36.53	-36.22	-36.97	-16.01	-20.21
			3.710 to 3.720	-42.96	-42.21	-42.45	-42.74	-28.01	-14.20
		2	3.530 to 3.660	-37.38	-36.40	-36.04	-36.60	-28.01	-8.03
			3.660 to 3.669	-37.47	-37.00	-36.36	-37.16	-16.01	-20.35
			3.669 to 3.670	-28.66	-28.68	-29.47	-27.99	-16.01	-11.98
			3.700 to 3.701	-30.98	-31.07	-29.88	-32.09	-16.01	-13.87
			3.701 to 3.710	-37.15	-36.69	-36.54	-37.24	-16.01	-20.53
	2	3	3.710 to 3.720	-43.60	-43.18	-43.03	-43.67	-28.01	-15.02
			3.530 to 3.660	-33.89	-32.31	-33.49	-32.91	-28.01	-16.39
			3.660 to 3.669	-32.93	-32.40	-33.69	-33.01	-16.01	-9.94
			3.669 to 3.670	-28.79	-28.33	-26.06	-25.95	-16.01	-12.00
			3.700 to 3.701	-29.24	-29.36	-28.01	-29.52	-16.01	-17.31
			3.701 to 3.710	-33.82	-33.32	-33.36	-33.68	-16.01	-9.83
		4	3.710 to 3.720	-39.85	-37.84	-39.06	-38.41	-28.01	-7.79
			3.530 to 3.660	-36.93	-35.80	-36.52	-36.27	-28.01	-20.25
			3.660 to 3.669	-36.59	-36.26	-36.45	-36.64	-16.01	-11.02
			3.669 to 3.670	-28.22	-27.03	-29.51	-30.97	-16.01	-13.15
			3.700 to 3.701	-29.16	-29.93	-30.34	-30.20	-16.01	-20.23
2	3	5	3.701 to 3.710	-37.14	-36.91	-36.24	-36.33	-16.01	-14.80
			3.710 to 3.720	-42.96	-42.81	-43.10	-43.04	-28.01	-16.39
			3.530 to 3.660	-35.12	-33.88	-33.66	-34.02	-28.01	-5.65
			3.660 to 3.669	-34.36	-33.98	-34.46	-33.26	-16.01	-17.25
			3.669 to 3.670	-28.01	-26.60	-29.00	-27.41	-16.01	-10.59
			3.700 to 3.701	-29.69	-29.80	-29.48	-30.09	-16.01	-13.47
		6	3.701 to 3.710	-34.01	-35.25	-35.14	-34.61	-16.01	-18.00
			3.710 to 3.720	-40.22	-39.74	-39.72	-39.86	-28.01	-11.71
			3.530 to 3.660	-34.19	-32.21	-33.28	-33.53	-28.01	-4.20
			3.660 to 3.669	-34.48	-32.94	-34.24	-33.58	-16.01	-16.93
			3.669 to 3.670	-26.77	-27.23	-28.76	-29.80	-16.01	-10.76
			3.700 to 3.701	-28.67	-28.86	-30.15	-29.85	-16.01	-12.66
			3.701 to 3.710	-35.06	-34.09	-35.53	-35.05	-16.01	-18.08
			3.710 to 3.720	-40.21	-38.46	-40.29	-40.38	-28.01	-10.45
	4	7	3.530 to 3.660	-35.69	-33.21	-34.90	-35.01	-28.01	-5.20
			3.660 to 3.669	-34.88	-34.02	-35.58	-34.58	-16.01	-18.01
			3.669 to 3.670	-29.26	-28.34	-27.28	-29.13	-16.01	-11.27
			3.700 to 3.701	-29.96	-29.63	-30.74	-28.44	-16.01	-12.43
			3.701 to 3.710	-36.38	-34.86	-36.73	-36.51	-16.01	-18.85
		8	3.710 to 3.720	-42.17	-40.67	-41.24	-41.37	-28.01	-12.66
			3.530 to 3.660	-34.39	-32.70	-33.00	-34.41	-28.01	-4.69
			3.660 to 3.669	-34.86	-32.71	-34.10	-34.00	-16.01	-16.70
			3.669 to 3.670	-28.87	-26.95	-29.39	-29.69	-16.01	-10.94
			3.700 to 3.701	-29.06	-29.53	-30.22	-30.45	-16.01	-13.05
			3.701 to 3.710	-35.07	-33.14	-35.35	-35.30	-16.01	-17.13
			3.710 to 3.720	-40.61	-39.73	-40.57	-41.45	-28.01	-11.72

Table 8-188. Channel Edge Emission Summary Data (n48_1C_30M_High Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)		Page 174 of 289	

Sector	Zone	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
1	1	1	3.530 to 3.540	-43.65	-45.32	-44.04	-44.00	-28.01	-15.64
			3.540 to 3.549	-37.40	-38.03	-38.26	-36.96	-16.01	-20.95
			3.549 to 3.550	-24.55	-25.50	-24.84	-25.72	-16.01	-8.54
			3.590 to 3.591	-25.13	-24.81	-24.02	-24.43	-16.01	-8.01
			3.591 to 3.600	-36.98	-36.28	-36.89	-36.95	-16.01	-20.27
			3.600 to 3.720	-37.13	-36.95	-37.11	-38.08	-28.01	-8.94
		2	3.530 to 3.540	-41.83	-43.10	-41.68	-41.96	-28.01	-13.67
			3.540 to 3.549	-38.04	-38.01	-37.84	-37.58	-16.01	-21.57
			3.549 to 3.550	-23.13	-24.93	-25.97	-26.58	-16.01	-7.12
			3.590 to 3.591	-24.13	-25.88	-25.04	-26.08	-16.01	-8.12
			3.591 to 3.600	-37.17	-36.77	-36.28	-36.65	-16.01	-20.27
	2	3	3.600 to 3.720	-37.27	-36.92	-37.54	-37.82	-28.01	-8.91
			3.530 to 3.540	-41.82	-42.26	-41.67	-41.99	-28.01	-13.66
			3.540 to 3.549	-36.49	-37.12	-37.12	-36.11	-16.01	-20.10
			3.549 to 3.550	-24.88	-26.52	-25.74	-25.62	-16.01	-8.87
			3.590 to 3.591	-25.72	-26.98	-24.91	-25.13	-16.01	-8.90
			3.591 to 3.600	-35.06	-34.49	-35.02	-34.54	-16.01	-18.48
		4	3.600 to 3.720	-36.26	-35.23	-36.20	-36.51	-28.01	-7.22
			3.530 to 3.540	-41.03	-42.39	-40.98	-41.46	-28.01	-12.97
			3.540 to 3.549	-37.64	-37.86	-38.38	-36.90	-16.01	-20.89
			3.549 to 3.550	-24.09	-24.60	-25.42	-25.49	-16.01	-8.08
			3.590 to 3.591	-25.79	-26.20	-24.90	-28.14	-16.01	-8.89
2	3	5	3.591 to 3.600	-37.33	-37.50	-37.60	-37.46	-16.01	-21.32
			3.600 to 3.720	-37.77	-38.23	-38.46	-39.05	-28.01	-9.76
			3.530 to 3.540	-42.96	-42.87	-42.11	-42.62	-28.01	-14.10
			3.540 to 3.549	-36.93	-37.04	-36.05	-36.54	-16.01	-20.04
			3.549 to 3.550	-23.56	-26.45	-26.45	-25.62	-16.01	-7.55
			3.590 to 3.591	-24.76	-24.62	-24.22	-23.38	-16.01	-7.37
		6	3.591 to 3.600	-36.15	-35.65	-35.66	-36.52	-16.01	-19.64
			3.600 to 3.720	-36.59	-37.01	-37.53	-36.94	-28.01	-8.58
			3.530 to 3.540	-40.27	-41.63	-41.11	-41.44	-28.01	-12.26
			3.540 to 3.549	-36.19	-36.54	-36.19	-36.61	-16.01	-20.18
			3.549 to 3.550	-25.83	-26.41	-25.58	-26.47	-16.01	-9.57
			3.590 to 3.591	-25.58	-24.51	-24.29	-24.83	-16.01	-8.28
			3.591 to 3.600	-35.11	-34.04	-33.82	-34.34	-16.01	-17.81
			3.600 to 3.720	-36.15	-36.22	-34.76	-35.98	-28.01	-6.75
	4	7	3.530 to 3.540	-44.42	-45.14	-44.05	-44.36	-28.01	-16.04
			3.540 to 3.549	-38.54	-38.94	-37.90	-38.34	-16.01	-21.89
			3.549 to 3.550	-25.38	-24.76	-26.33	-26.97	-16.01	-8.75
			3.590 to 3.591	-26.87	-27.43	-26.55	-24.49	-16.01	-8.48
			3.591 to 3.600	-36.52	-36.00	-36.13	-36.38	-16.01	-19.99
		8	3.600 to 3.720	-37.39	-36.70	-36.09	-37.31	-28.01	-8.08
			3.530 to 3.540	-42.32	-42.87	-41.84	-42.84	-28.01	-13.83
			3.540 to 3.549	-36.25	-37.04	-35.49	-36.65	-16.01	-19.48
			3.549 to 3.550	-26.25	-25.05	-25.51	-24.54	-16.01	-8.53
			3.590 to 3.591	-24.98	-25.76	-24.08	-25.97	-16.01	-8.07
			3.591 to 3.600	-34.57	-34.73	-35.03	-35.95	-16.01	-18.56
			3.600 to 3.720	-37.51	-36.12	-36.07	-36.71	-28.01	-8.06

Table 8-189. Channel Edge Emission Summary Data (n48_1C_40M_Low Channel_2T)

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K22121601-00-R2.A3L	Test Dates: 01/03/2023 – 02/15/2023	EUT Type: Smallcell (SOG2201)			Page 175 of 289