

Sector	Zone	Port	QPSK	16QAM
1	1	1	28.01	27.71
		2	28.07	27.65
Total Conducted Power (mW)			1273.62	1172.30
Total Conducted Power (dBm)			31.05	30.69
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.05	42.69
Sector	Zone	Port	QPSK	16QAM
1	2	3	28.38	27.62
		4	27.81	27.60
Total Conducted Power (mW)			1176.61	1187.50
Total Conducted Power (dBm)			30.71	30.75
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.71	42.75
Sector	Zone	Port	QPSK	16QAM
2	3	5	28.13	28.25
		6	28.16	28.30
Total Conducted Power (mW)			1304.77	1344.43
Total Conducted Power (dBm)			31.16	31.29
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.16	43.29
Sector	Zone	Port	QPSK	16QAM
2	4	7	27.91	27.99
		8	27.81	27.96
Total Conducted Power (mW)			1221.97	1254.68
Total Conducted Power (dBm)			30.87	30.99
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.87	42.99

**Table 10-20. Conducted Average Output Power Table (n48\_2C\_20M+20M\_Middle Channel\_2T)**

<b>FCC: A3LSOG2201</b>		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22121601-00-R2.A3L	<b>Test Dates:</b> 01/03/2023 – 02/15/2023	<b>EUT Type:</b> Smallcell (SOG2201)		Page 254 of 289

Sector	Zone	Port	QPSK	16QAM
1	1	1	27.60	27.64
		2	27.79	27.83
Total Conducted Power (mW)			1176.61	1187.50
Total Conducted Power (dBm)			30.71	30.75
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.71	42.75
Sector	Zone	Port	QPSK	16QAM
1	2	3	28.25	27.67
		4	28.03	27.61
Total Conducted Power (mW)			1303.67	1161.56
Total Conducted Power (dBm)			31.15	30.65
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.15	42.65
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.54	27.80
		6	28.03	28.04
Total Conducted Power (mW)			1202.88	1239.36
Total Conducted Power (dBm)			30.80	30.93
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.80	42.93
Sector	Zone	Port	QPSK	16QAM
2	4	7	27.59	27.48
		8	27.56	27.65
Total Conducted Power (mW)			1144.28	1141.86
Total Conducted Power (dBm)			30.59	30.58
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.59	42.58

**Table 10-21. Conducted Average Output Power Table (n48\_2C\_20M+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 255 of 289

Sector	Zone	Port	QPSK	16QAM
1	1	1	28.38	28.39
		2	28.57	28.44
Total Conducted Power (mW)			1408.10	1388.47
Total Conducted Power (dBm)			31.49	31.43
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.49	43.43
Sector	Zone	Port	QPSK	16QAM
1	2	3	28.83	28.77
		4	28.37	28.31
Total Conducted Power (mW)			1450.90	1431.00
Total Conducted Power (dBm)			31.62	31.56
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.62	43.56
Sector	Zone	Port	QPSK	16QAM
2	3	5	28.75	28.37
		6	28.73	28.63
Total Conducted Power (mW)			1496.34	1416.53
Total Conducted Power (dBm)			31.75	31.51
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.75	43.51
Sector	Zone	Port	QPSK	16QAM
2	4	7	28.46	28.23
		8	28.64	28.25
Total Conducted Power (mW)			1432.59	1333.62
Total Conducted Power (dBm)			31.56	31.25
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.56	43.25

**Table 10-22. Conducted Average Output 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	28.11	28.11
		2	28.07	28.25
Total Conducted Power (mW)			1288.35	1315.49
Total Conducted Power (dBm)			31.10	31.19
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.10	43.19
Sector	Zone	Port	QPSK	16QAM
1	2	3	28.49	28.49
		4	28.17	28.14
Total Conducted Power (mW)			1362.46	1357.95
Total Conducted Power (dBm)			31.34	31.33
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.34	43.33
Sector	Zone	Port	QPSK	16QAM
2	3	5	28.40	27.92
		6	28.49	28.34
Total Conducted Power (mW)			1398.15	1301.78
Total Conducted Power (dBm)			31.46	31.15
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.46	43.15
Sector	Zone	Port	QPSK	16QAM
2	4	7	28.10	27.79
		8	28.16	27.87
Total Conducted Power (mW)			1300.29	1213.52
Total Conducted Power (dBm)			31.14	30.84
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.14	42.84

**Table 10-23. Conducted Average Output Power Table (n48\_2C\_30M+10M\_Middle 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 257 of 289

Sector	Zone	Port	QPSK	16QAM
1	1	1	27.59	27.66
		2	27.69	27.78
Total Conducted Power (mW)			1161.61	1183.24
Total Conducted Power (dBm)			30.65	30.73
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.65	42.73
Sector	Zone	Port	QPSK	16QAM
1	2	3	27.88	27.45
		4	27.67	27.72
Total Conducted Power (mW)			1198.55	1147.47
Total Conducted Power (dBm)			30.79	30.60
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.79	42.60
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.93	27.53
		6	27.97	27.79
Total Conducted Power (mW)			1247.48	1167.41
Total Conducted Power (dBm)			30.96	30.67
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.96	42.67
Sector	Zone	Port	QPSK	16QAM
2	4	7	27.67	27.43
		8	27.74	27.44
Total Conducted Power (mW)			1179.08	1107.98
Total Conducted Power (dBm)			30.72	30.45
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.72	42.45

**Table 10-24. Conducted Average Output Power Table (n48\_2C\_30M+10M\_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 258 of 289

Sector	Zone	Port	QPSK	16QAM
1	1	1	27.66	27.99
		2	27.77	27.90
Total Conducted Power (mW)			1181.86	1246.10
Total Conducted Power (dBm)			30.73	30.96
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.73	42.96
Sector	Zone	Port	QPSK	16QAM
1	2	3	28.01	28.12
		4	27.68	27.93
Total Conducted Power (mW)			1218.55	1269.50
Total Conducted Power (dBm)			30.86	31.04
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.86	43.04
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.88	28.20
		6	27.87	28.26
Total Conducted Power (mW)			1226.11	1330.58
Total Conducted Power (dBm)			30.89	31.24
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.89	43.24
Sector	Zone	Port	QPSK	16QAM
2	4	7	27.64	27.93
		8	27.72	28.03
Total Conducted Power (mW)			1172.33	1256.20
Total Conducted Power (dBm)			30.69	30.99
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.69	42.99

**Table 10-25. Conducted Average Output Power Table (n48\_2C\_40M+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 259 of 289



Sector	Zone	Port	QPSK	16QAM
1	1	1	27.90	27.88
		2	28.08	27.98
Total Conducted Power (mW)			1259.28	1241.82
Total Conducted Power (dBm)			31.00	30.94
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.00	42.94
Sector	Zone	Port	QPSK	16QAM
1	2	3	28.22	28.18
		4	28.01	27.91
Total Conducted Power (mW)			1296.15	1275.67
Total Conducted Power (dBm)			31.13	31.06
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.13	43.06
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.81	27.96
		6	28.04	28.08
Total Conducted Power (mW)			1240.74	1267.86
Total Conducted Power (dBm)			30.94	31.03
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.94	43.03
Sector	Zone	Port	QPSK	16QAM
2	4	7	27.74	27.67
		8	27.79	27.84
Total Conducted Power (mW)			1195.47	1192.93
Total Conducted Power (dBm)			30.78	30.77
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.78	42.77

**Table 10-26. Conducted Average Output Power Table (n48\_2C\_40M+40M\_Middle Channel\_2T)**

<b>FCC: A3LSOG2201</b>		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22121601-00-R2.A3L	<b>Test Dates:</b> 01/03/2023 – 02/15/2023	<b>EUT Type:</b> Smallcell (SOG2201)		Page 260 of 289

Sector	Zone	Port	QPSK	16QAM
1	1	1	27.87	28.04
		2	28.06	28.09
Total Conducted Power (mW)			1252.09	1280.96
Total Conducted Power (dBm)			30.98	31.08
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.98	43.08
Sector	Zone	Port	QPSK	16QAM
1	2	3	28.38	28.29
		4	27.90	28.00
Total Conducted Power (mW)			1305.25	1305.49
Total Conducted Power (dBm)			31.16	31.16
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			43.16	43.16
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.86	28.05
		6	28.09	28.28
Total Conducted Power (mW)			1255.11	1311.24
Total Conducted Power (dBm)			30.99	31.18
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.99	43.18
Sector	Zone	Port	QPSK	16QAM
2	4	7	27.73	27.78
		8	27.71	27.78
Total Conducted Power (mW)			1183.13	1199.58
Total Conducted Power (dBm)			30.73	30.79
Ant. Gain (dBi)			12.00	12.00
e.i.r.p (dBm)			42.73	42.79

**Table 10-27. Conducted Average Output 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 Conducted Power (mW)			2392.61	2237.88	2386.87	2279.01
Total Conducted Power (dBm)			33.79	33.50	33.78	33.58
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.79	44.50	44.78	44.58
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 Conducted Power (mW)			2343.77	2334.20	2476.99	2541.88
Total Conducted Power (dBm)			33.70	33.68	33.94	34.05
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.70	44.68	44.94	45.05

**Table 10-28. Conducted Average Output 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 Conducted Power (mW)			2428.52	2335.14	2343.40	2386.87
Total Conducted Power (dBm)			33.85	33.68	33.70	33.78
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.85	44.68	44.70	44.78
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	<b>28.13</b>	28.15	28.24	<b>28.44</b>
		6	<b>28.61</b>	28.43	28.29	<b>28.39</b>
	4	7	<b>28.30</b>	27.77	28.03	<b>28.20</b>
		8	<b>28.38</b>	27.79	28.24	<b>28.47</b>
Total Conducted Power (mW)			<b>2740.97</b>	2549.34	2643.47	<b>2752.24</b>
Total Conducted Power (dBm)			<b>34.38</b>	34.06	34.22	<b>34.40</b>
Ant. Gain (dBi)			<b>11.00</b>	11.00	11.00	<b>11.00</b>
e.i.r.p (dBm)			<b>45.38</b>	45.06	45.22	<b>45.40</b>

**Table 10-29. Conducted Average Output Power Table (n48\_1C\_10M\_Middle 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 Conducted Power (mW)			2490.79	2334.10	2229.39	2253.43
Total Conducted Power (dBm)			33.96	33.68	33.48	33.53
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.96	44.68	44.48	44.53
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 Conducted Power (mW)			2319.54	2425.02	2417.33	2525.58
Total Conducted Power (dBm)			33.65	33.85	33.83	34.02
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.65	44.85	44.83	45.02

**Table 10-30. Conducted Average Output Power Table (n48\_1C\_10M\_High Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	27.54	28.07	27.43	28.07
		2	27.61	28.14	27.62	28.15
	2	3	27.78	28.34	27.68	28.33
		4	27.56	28.13	27.55	28.08
Total Conducted Power (mW)			2314.27	2625.31	2286.44	2617.80
Total Conducted Power (dBm)			33.64	34.19	33.59	34.18
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.64	45.19	44.59	45.18
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	27.77	28.32	27.65	28.25
		6	28.04	28.59	27.96	27.96
	4	7	27.45	28.03	27.43	27.98
		8	27.58	28.16	27.65	28.12
Total Conducted Power (mW)			2363.91	2691.94	2342.73	2570.21
Total Conducted Power (dBm)			33.74	34.30	33.70	34.10
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.74	45.30	44.70	45.10

**Table 10-31. Conducted Average Output Power Table (n48\_1C\_20M\_Low Channel\_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 263 of 289

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	<b>28.41</b>	<b>28.62</b>	28.46	28.40
		2	<b>28.47</b>	<b>28.66</b>	28.46	28.46
	2	3	<b>28.22</b>	<b>28.70</b>	28.81	28.80
		4	<b>28.55</b>	<b>28.67</b>	28.62	28.52
Total Conducted Power (mW)			<b>2776.38</b>	<b>2939.81</b>	2891.02	2863.08
Total Conducted Power (dBm)			<b>34.43</b>	<b>34.68</b>	34.61	34.57
Ant. Gain (dBi)			<b>11.00</b>	<b>11.00</b>	11.00	11.00
e.i.r.p (dBm)			<b>45.43</b>	<b>45.68</b>	45.61	45.57
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	28.34	28.17	28.18	28.06
		6	28.60	28.59	28.59	28.46
	4	7	27.90	27.87	27.89	27.76
		8	27.99	27.94	27.96	28.06
Total Conducted Power (mW)			2652.88	2613.57	2620.78	2577.96
Total Conducted Power (dBm)			34.24	34.17	34.18	34.11
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			45.24	45.17	45.18	45.11

**Table 10-32. Conducted Average Output Power Table (n48\_1C\_20M\_Middle Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	27.25	27.82	27.22	27.73
		2	27.32	27.90	27.62	27.89
	2	3	27.76	28.32	28.08	28.23
		4	27.34	27.92	27.68	27.87
Total Conducted Power (mW)			2209.43	2520.58	2334.15	2485.73
Total Conducted Power (dBm)			33.44	34.02	33.68	33.95
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.44	45.02	44.68	44.95
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	27.49	28.09	27.81	28.14
		6	27.93	28.58	28.24	27.91
	4	7	27.37	28.02	27.69	27.99
		8	27.34	27.98	27.63	27.93
Total Conducted Power (mW)			2269.68	2627.20	2437.67	2520.02
Total Conducted Power (dBm)			33.56	34.19	33.87	34.01
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.56	45.19	44.87	45.01

**Table 10-33. Conducted Average Output 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	27.99	27.72	27.64	27.44
		2	28.07	27.73	27.71	27.47
	2	3	28.10	27.99	27.97	27.73
		4	27.96	27.62	27.90	27.48
Total Conducted Power (mW)			2541.54	2392.09	2414.17	2265.78
Total Conducted Power (dBm)			34.05	33.79	33.83	33.55
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			45.05	44.79	44.83	44.55
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	28.22	27.92	27.86	27.63
		6	28.53	28.34	28.42	28.06
	4	7	27.80	27.57	27.71	27.41
		8	28.01	27.72	27.74	27.53
Total Conducted Power (mW)			2611.57	2464.82	2490.46	2336.21
Total Conducted Power (dBm)			34.17	33.92	33.96	33.69
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			45.17	44.92	44.96	44.69

**Table 10-34. Conducted Average Output Power Table (n48\_1C\_30M\_Low Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	<b>28.28</b>	28.45	28.43	28.40
		2	<b>28.35</b>	28.51	28.57	28.49
	2	3	<b>28.65</b>	28.80	28.65	28.65
		4	<b>28.35</b>	28.49	28.63	28.40
Total Conducted Power (mW)			<b>2773.62</b>	2874.31	2878.36	2822.80
Total Conducted Power (dBm)			<b>34.43</b>	34.59	34.59	34.51
Ant. Gain (dBi)			<b>11.00</b>	11.00	11.00	11.00
e.i.r.p (dBm)			<b>45.43</b>	45.59	45.59	45.51
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	28.21	<b>28.56</b>	28.60	28.52
		6	28.21	<b>28.63</b>	28.58	28.63
	4	7	27.95	<b>28.54</b>	28.14	28.19
		8	28.05	<b>28.67</b>	28.17	28.35
Total Conducted Power (mW)			2586.43	<b>2897.96</b>	2753.32	2783.76
Total Conducted Power (dBm)			34.13	<b>34.62</b>	34.40	34.45
Ant. Gain (dBi)			11.00	<b>11.00</b>	11.00	11.00
e.i.r.p (dBm)			45.13	<b>45.62</b>	45.40	45.45

**Table 10-35. Conducted Average Output Power Table (n48\_1C\_30M\_Middle 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	27.97	27.66	27.31	27.32
		2	27.91	27.77	27.73	27.59
	2	3	28.30	28.22	28.14	28.04
		4	27.87	27.77	27.69	27.63
Total Conducted Power (mW)			2533.06	2444.01	2370.31	2329.85
Total Conducted Power (dBm)			34.04	33.88	33.75	33.67
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			45.04	44.88	44.75	44.67
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	28.03	27.90	27.85	27.72
		6	28.43	28.30	28.30	28.17
	4	7	27.98	27.70	27.79	27.56
		8	27.83	27.65	27.71	27.50
Total Conducted Power (mW)			2566.75	2463.62	2476.99	2380.21
Total Conducted Power (dBm)			34.09	33.92	33.94	33.77
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			45.09	44.92	44.94	44.77

**Table 10-36. Conducted Average Output Power Table (n48\_1C\_30M\_High Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	27.83	28.32	27.94	28.12
		2	27.89	28.48	28.08	28.20
	2	3	28.10	28.63	28.30	28.64
		4	27.92	28.31	28.27	28.17
Total Conducted Power (mW)			2487.01	2791.00	2612.50	2696.61
Total Conducted Power (dBm)			33.96	34.46	34.17	34.31
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.96	45.46	45.17	45.31
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	<b>28.09</b>	<b>28.51</b>	28.42	28.30
		6	<b>28.04</b>	<b>28.73</b>	28.71	28.74
	4	7	<b>28.14</b>	<b>28.50</b>	28.32	28.02
		8	<b>28.22</b>	<b>28.60</b>	28.37	28.23
Total Conducted Power (mW)			<b>2596.34</b>	<b>2888.41</b>	2804.32	2723.40
Total Conducted Power (dBm)			<b>34.14</b>	<b>34.61</b>	34.48	34.35
Ant. Gain (dBi)			<b>11.00</b>	<b>11.00</b>	11.00	11.00
e.i.r.p (dBm)			<b>45.14</b>	<b>45.61</b>	45.48	45.35

**Table 10-37. Conducted Average Output 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	27.95	28.11	27.96	27.95
		2	27.99	28.23	27.97	28.02
	2	3	28.29	28.48	28.30	28.36
		4	28.08	28.19	28.13	28.04
Total Conducted Power (mW)			2570.46	2676.28	2578.00	2579.89
Total Conducted Power (dBm)			34.10	34.28	34.11	34.12
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			45.10	45.28	45.11	45.12
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	28.03	28.54	28.28	28.40
		6	28.52	28.58	28.52	28.40
	4	7	27.71	28.28	27.85	28.10
		8	27.78	28.34	28.00	28.15
Total Conducted Power (mW)			2536.54	2790.92	2624.68	2682.45
Total Conducted Power (dBm)			34.04	34.46	34.19	34.29
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			45.04	45.46	45.19	45.29

**Table 10-38. Conducted Average Output Power Table (n48\_1C\_40M\_Middle Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
1	1	1	27.59	28.03	27.53	27.75
		2	27.66	28.19	27.60	27.77
	2	3	28.02	28.50	27.97	28.14
		4	27.41	27.90	27.35	27.71
Total Conducted Power (mW)			2342.24	2619.05	2311.54	2435.90
Total Conducted Power (dBm)			33.70	34.18	33.64	33.87
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.70	45.18	44.64	44.87
Sector	Zone	Port	QPSK	16QAM	64QAM	256QAM
2	3	5	27.71	28.23	27.75	27.99
		6	28.29	28.69	28.40	28.38
	4	7	27.54	27.99	27.61	27.78
		8	27.55	28.01	27.61	27.78
Total Conducted Power (mW)			2401.13	2666.80	2441.03	2517.74
Total Conducted Power (dBm)			33.80	34.26	33.88	34.01
Ant. Gain (dBi)			11.00	11.00	11.00	11.00
e.i.r.p (dBm)			44.80	45.26	44.88	45.01

**Table 10-39. Conducted Average Output 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	27.60	28.07
		2	27.55	27.94
	2	3	27.81	27.82
		4	27.53	27.95
Total Conducted Power (mW)			2314.48	2492.59
Total Conducted Power (dBm)			33.64	33.97
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.64	44.97
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.80	28.13
		6	27.72	28.04
	4	7	27.55	27.85
		8	27.68	27.95
Total Conducted Power (mW)			2349.11	2520.20
Total Conducted Power (dBm)			33.71	34.01
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.71	45.01

**Table 10-40. Conducted Average Output Power Table (n48\_2C\_10M+10M\_Low Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	28.23	28.32
		2	28.26	28.42
	2	3	28.66	28.47
		4	28.30	28.47
Total Conducted Power (mW)			2745.75	2780.37
Total Conducted Power (dBm)			34.39	34.44
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			45.39	45.44
Sector	Zone	Port	QPSK	16QAM
2	3	5	<b>28.83</b>	<b>28.92</b>
		6	<b>28.92</b>	<b>28.55</b>
	4	7	<b>28.60</b>	<b>28.81</b>
		8	<b>28.70</b>	<b>28.82</b>
Total Conducted Power (mW)			<b>3009.41</b>	<b>3018.38</b>
Total Conducted Power (dBm)			<b>34.78</b>	<b>34.80</b>
Ant. Gain (dBi)			<b>11.00</b>	<b>11.00</b>
e.i.r.p (dBm)			<b>45.78</b>	<b>45.80</b>

**Table 10-41. Conducted Average Output Power Table (n48\_2C\_10M+10M\_Middle Channel\_4T)**

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	27.49	27.96
		2	27.62	27.80
	2	3	27.57	27.91
		4	27.70	27.91
Total Conducted Power (mW)			2299.47	2463.77
Total Conducted Power (dBm)			33.62	33.92
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.62	44.92
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.56	27.91
		6	27.64	27.98
	4	7	27.72	28.13
		8	27.35	28.02
Total Conducted Power (mW)			2285.74	2530.07
Total Conducted Power (dBm)			33.59	34.03
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.59	45.03

**Table 10-42. Conducted Average Output Power Table (n48\_2C\_10M+10M\_High Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	27.63	27.72
		2	27.63	27.79
	2	3	27.89	28.04
		4	27.71	27.79
Total Conducted Power (mW)			2364.24	2430.70
Total Conducted Power (dBm)			33.74	33.86
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.74	44.86
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.94	27.92
		6	27.89	27.90
	4	7	27.64	27.59
		8	27.76	27.76
Total Conducted Power (mW)			2415.28	2407.19
Total Conducted Power (dBm)			33.83	33.82
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.83	44.82

**Table 10-43. Conducted Average Output 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	28.34	28.10
		2	28.38	28.48
	2	3	28.63	28.51
		4	28.40	28.43
Total Conducted Power (mW)			2792.28	2756.55
Total Conducted Power (dBm)			34.46	34.40
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			45.46	45.40
Sector	Zone	Port	QPSK	16QAM
2	3	5	28.05	28.00
		6	28.17	28.04
	4	7	27.86	27.84
		8	27.89	27.71
Total Conducted Power (mW)			2520.53	2466.09
Total Conducted Power (dBm)			34.01	33.92
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			45.01	44.92

**Table 10-44. Conducted Average Output Power Table (n48\_2C\_10M+20M\_Middle Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	27.78	27.34
		2	27.80	27.52
	2	3	27.45	28.02
		4	27.81	27.67
Total Conducted Power (mW)			2362.20	2325.60
Total Conducted Power (dBm)			33.73	33.67
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.73	44.67
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.85	27.84
		6	28.02	27.87
	4	7	27.75	27.59
		8	27.73	27.82
Total Conducted Power (mW)			2431.99	2399.94
Total Conducted Power (dBm)			33.86	33.80
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.86	44.80

**Table 10-45. Conducted Average Output 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	<b>28.04</b>	27.93
		2	<b>28.06</b>	27.76
	2	3	<b>28.32</b>	27.74
		4	<b>28.01</b>	27.62
Total Conducted Power (mW)			<b>2588.15</b>	2390.29
Total Conducted Power (dBm)			<b>34.13</b>	33.78
Ant. Gain (dBi)			<b>11.00</b>	11.00
e.i.r.p (dBm)			<b>45.13</b>	44.78
Sector	Zone	Port	QPSK	16QAM
2	3	5	28.03	<b>28.43</b>
		6	28.17	<b>28.39</b>
	4	7	27.85	<b>28.12</b>
		8	28.09	<b>28.26</b>
Total Conducted Power (mW)			2545.18	<b>2705.39</b>
Total Conducted Power (dBm)			34.06	<b>34.32</b>
Ant. Gain (dBi)			11.00	<b>11.00</b>
e.i.r.p (dBm)			45.06	<b>45.32</b>

**Table 10-46. Conducted Average Output Power Table (n48\_2C\_20M+20M\_Low Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	28.01	27.71
		2	28.07	27.65
	2	3	28.38	27.62
		4	27.81	27.60
Total Conducted Power (mW)			2566.22	2325.84
Total Conducted Power (dBm)			34.09	33.67
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			45.09	44.67
Sector	Zone	Port	QPSK	16QAM
2	3	5	28.13	28.25
		6	28.16	28.30
	4	7	27.91	27.99
		8	27.81	27.96
Total Conducted Power (mW)			2526.73	2599.11
Total Conducted Power (dBm)			34.03	34.15
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			45.03	45.15

**Table 10-47. Conducted Average Output Power Table (n48\_2C\_20M+20M\_Middle Channel\_4T)**

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	27.60	27.64
		2	27.79	27.83
	2	3	28.25	27.67
		4	28.03	27.61
Total Conducted Power (mW)			2480.29	2349.06
Total Conducted Power (dBm)			33.95	33.71
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.95	44.71
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.54	27.80
		6	28.03	28.04
	4	7	27.59	27.48
		8	27.56	27.65
Total Conducted Power (mW)			2347.16	2381.22
Total Conducted Power (dBm)			33.71	33.77
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.71	44.77

**Table 10-48. Conducted Average Output Power Table (n48\_2C\_20M+20M\_High Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	28.38	<b>28.39</b>
		2	28.57	<b>28.44</b>
	2	3	28.83	<b>28.77</b>
		4	28.37	<b>28.31</b>
Total Conducted Power (mW)			2859.01	<b>2819.47</b>
Total Conducted Power (dBm)			34.56	<b>34.50</b>
Ant. Gain (dBi)			11.00	<b>11.00</b>
e.i.r.p (dBm)			45.56	<b>45.50</b>
Sector	Zone	Port	QPSK	16QAM
2	3	5	<b>28.75</b>	28.37
		6	<b>28.73</b>	28.63
	4	7	<b>28.46</b>	28.23
		8	<b>28.64</b>	28.25
Total Conducted Power (mW)			<b>2928.94</b>	2750.14
Total Conducted Power (dBm)			<b>34.67</b>	34.39
Ant. Gain (dBi)			<b>11.00</b>	11.00
e.i.r.p (dBm)			<b>45.67</b>	45.39

**Table 10-49. Conducted Average Output 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	28.11	28.11
		2	28.07	28.25
	2	3	28.49	28.49
		4	28.17	28.14
Total Conducted Power (mW)			2650.82	2673.43
Total Conducted Power (dBm)			34.23	34.27
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			45.23	45.27
Sector	Zone	Port	QPSK	16QAM
2	3	5	28.40	27.92
		6	28.49	28.34
	4	7	28.10	27.79
		8	28.16	27.87
Total Conducted Power (mW)			2698.44	2515.30
Total Conducted Power (dBm)			34.31	34.01
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			45.31	45.01

**Table 10-50. Conducted Average Output Power Table (n48\_2C\_30M+10M\_Middle Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	27.59	27.66
		2	27.69	27.78
	2	3	27.88	27.45
		4	27.67	27.72
Total Conducted Power (mW)			2360.16	2330.70
Total Conducted Power (dBm)			33.73	33.67
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.73	44.67
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.93	27.53
		6	27.97	27.79
	4	7	27.67	27.43
		8	27.74	27.44
Total Conducted Power (mW)			2426.57	2275.39
Total Conducted Power (dBm)			33.85	33.57
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.85	44.57

**Table 10-51. Conducted Average Output 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
1	1	1	27.66	27.99
		2	27.77	27.90
	2	3	28.01	28.12
		4	27.68	27.93
Total Conducted Power (mW)			2400.41	2515.60
Total Conducted Power (dBm)			33.80	34.01
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.80	45.01
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.88	<b>28.20</b>
		6	27.87	<b>28.26</b>
	4	7	27.64	<b>27.93</b>
		8	27.72	<b>28.03</b>
Total Conducted Power (mW)			2398.44	<b>2586.78</b>
Total Conducted Power (dBm)			33.80	<b>34.13</b>
Ant. Gain (dBi)			11.00	<b>11.00</b>
e.i.r.p (dBm)			44.80	<b>45.13</b>

**Table 10-52. Conducted Average Output Power Table (n48\_2C\_40M+40M\_Low Channel\_4T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	<b>27.90</b>	27.88
		2	<b>28.08</b>	27.98
	2	3	<b>28.22</b>	28.18
		4	<b>28.01</b>	27.91
Total Conducted Power (mW)			<b>2555.44</b>	2517.49
Total Conducted Power (dBm)			<b>34.07</b>	34.01
Ant. Gain (dBi)			<b>11.00</b>	11.00
e.i.r.p (dBm)			<b>45.07</b>	45.01
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.81	27.96
		6	28.04	28.08
	4	7	27.74	27.67
		8	27.79	27.84
Total Conducted Power (mW)			2436.21	2460.79
Total Conducted Power (dBm)			33.87	33.91
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.87	44.91

**Table 10-53. Conducted Average Output Power Table (n48\_2C\_40M+40M\_Middle Channel\_4T)**

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	27.87	28.04
		2	28.06	28.09
	2	3	28.38	28.29
		4	27.90	28.00
Total Conducted Power (mW)			2557.33	2586.45
Total Conducted Power (dBm)			34.08	34.13
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			45.08	45.13
Sector	Zone	Port	QPSK	16QAM
2	3	5	27.86	28.05
		6	28.09	28.28
	4	7	27.73	27.78
		8	27.71	27.78
Total Conducted Power (mW)			2438.24	2510.82
Total Conducted Power (dBm)			33.87	34.00
Ant. Gain (dBi)			11.00	11.00
e.i.r.p (dBm)			44.87	45.00

**Table 10-54. Conducted Average Output 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 Conducted Power (mW)			2597.34	2481.13
Total Conducted Power (dBm)			34.15	33.95
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.15	41.95

**Table 10-55. Conducted Average Output 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 Conducted Power (mW)			2704.49	2580.40
Total Conducted Power (dBm)			34.32	34.12
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.32	42.12

**Table 10-56. Conducted Average Output Power Table (n48\_1C\_10M\_Middle 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 Conducted Power (mW)			2367.69	2400.36
Total Conducted Power (dBm)			33.74	33.80
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.74	41.80

**Table 10-57. Conducted Average Output Power Table (n48\_1C\_10M\_High Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	24.77	24.71
		2	24.78	24.62
	2	3	24.75	24.72
		4	24.65	24.85
2	3	5	24.74	24.81
		6	24.74	24.67
	4	7	24.67	24.81
		8	24.86	24.72
Total Conducted Power (mW)			2385.79	2382.47
Total Conducted Power (dBm)			33.78	33.77
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.78	41.77

**Table 10-58. Conducted Average Output 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	25.02	25.14
		2	25.19	25.37
	2	3	25.00	25.19
		4	24.64	25.09
2	3	5	25.02	25.10
		6	25.26	25.34
	4	7	25.00	25.22
		8	25.19	25.38
Total Conducted Power (mW)			2555.38	2667.53
Total Conducted Power (dBm)			34.07	34.26
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.07	42.26

**Table 10-59. Conducted Average Output Power Table (n48\_1C\_20M\_Middle Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	24.92	24.47
		2	24.70	24.59
	2	3	25.03	24.48
		4	24.60	24.86
2	3	5	24.95	24.91
		6	24.58	24.79
	4	7	24.77	24.68
		8	24.97	24.77
Total Conducted Power (mW)			2426.05	2359.10
Total Conducted Power (dBm)			33.85	33.73
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.85	41.73

**Table 10-60. Conducted Average Output 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	24.63	24.96
		2	24.58	25.02
	2	3	24.79	25.22
		4	24.69	24.98
2	3	5	24.84	25.11
		6	24.83	25.12
	4	7	24.65	25.08
		8	24.69	25.10
Total Conducted Power (mW)			2368.29	2573.58
Total Conducted Power (dBm)			33.74	34.11
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.74	42.11

**Table 10-61. Conducted Average Output Power Table (n48\_1C\_30M\_Low Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	25.05	25.46
		2	25.07	25.43
	2	3	25.23	25.10
		4	25.36	24.99
2	3	5	25.45	25.29
		6	25.47	25.37
	4	7	25.00	25.41
		8	25.43	25.34
Total Conducted Power (mW)			2686.73	2711.73
Total Conducted Power (dBm)			34.29	34.33
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.29	42.33

**Table 10-62. Conducted Average Output Power Table (n48\_1C\_30M\_Middle Channel\_8T)**

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.63	24.84
		2	24.72	24.82
	2	3	24.96	24.84
		4	24.80	24.96
2	3	5	24.71	25.02
		6	24.90	24.90
	4	7	24.62	24.48
		8	24.88	24.48
Total Conducted Power (mW)			2404.38	2414.10
Total Conducted Power (dBm)			33.81	33.83
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.81	41.83

**Table 10-63. Conducted Average Output Power Table (n48\_1C\_30M\_High Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	24.99	25.10
		2	25.00	24.92
	2	3	25.05	25.14
		4	25.03	25.17
2	3	5	24.97	25.02
		6	25.08	25.30
	4	7	24.90	25.17
		8	25.12	25.28
Total Conducted Power (mW)			2540.31	2612.16
Total Conducted Power (dBm)			34.05	34.17
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.05	42.17

**Table 10-64. Conducted Average Output 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	25.00	24.68
		2	25.19	24.78
	2	3	25.12	25.03
		4	24.86	25.49
2	3	5	24.69	24.90
		6	25.14	25.00
	4	7	25.14	24.82
		8	25.32	24.90
Total Conducted Power (mW)			2565.91	2504.47
Total Conducted Power (dBm)			34.09	33.99
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.09	41.99

**Table 10-65. Conducted Average Output Power Table (n48\_1C\_40M\_Middle Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	24.73	24.64
		2	24.76	24.61
	2	3	24.80	24.72
		4	24.68	24.72
2	3	5	24.81	24.82
		6	24.89	25.00
	4	7	24.74	24.87
		8	24.94	24.93
Total Conducted Power (mW)			2412.90	2410.80
Total Conducted Power (dBm)			33.83	33.82
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.83	41.82

**Table 10-66. Conducted Average Output 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	24.93	24.60
		2	24.77	24.49
	2	3	24.61	24.46
		4	24.32	24.52
2	3	5	25.06	24.80
		6	24.92	24.90
	4	7	24.53	24.77
		8	24.34	24.85
Total Conducted Power (mW)			2357.07	2348.42
Total Conducted Power (dBm)			33.72	33.71
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.72	41.71

**Table 10-67. Conducted Average Output Power Table (n48\_2C\_10M+10M\_Low Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	25.38	25.35
		2	24.85	25.48
	2	3	25.56	25.61
		4	24.74	25.61
2	3	5	25.69	25.50
		6	25.05	25.42
	4	7	25.12	25.08
		8	25.49	25.54
Total Conducted Power (mW)			2677.89	2807.14
Total Conducted Power (dBm)			34.28	34.48
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.28	42.48

**Table 10-68. Conducted Average Output Power Table (n48\_2C\_10M+10M\_Middle Channel\_8T)**

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.50	24.51
		2	24.35	24.68
	2	3	24.59	24.90
		4	24.64	24.84
2	3	5	24.32	24.55
		6	24.95	24.81
	4	7	24.80	24.57
		8	24.62	24.50
Total Conducted Power (mW)			2307.65	2346.12
Total Conducted Power (dBm)			33.63	33.70
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.63	41.70

**Table 10-69. Conducted Average Output Power Table (n48\_2C\_10M+10M\_High Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	24.69	24.56
		2	24.80	24.62
	2	3	24.83	24.41
		4	24.75	24.68
2	3	5	24.90	24.40
		6	24.95	24.42
	4	7	24.69	24.52
		8	24.81	24.73
Total Conducted Power (mW)			2417.84	2277.74
Total Conducted Power (dBm)			33.83	33.58
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.83	41.58

**Table 10-70. Conducted Average Output 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	25.23	25.27
		2	24.92	25.24
	2	3	25.25	25.25
		4	25.58	25.07
2	3	5	24.85	25.31
		6	25.26	25.34
	4	7	25.36	25.59
		8	24.95	25.18
Total Conducted Power (mW)			2637.65	2700.50
Total Conducted Power (dBm)			34.21	34.31
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.21	42.31

**Table 10-71. Conducted Average Output Power Table (n48\_2C\_10M+20M\_Middle Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	24.52	24.59
		2	24.66	24.61
	2	3	24.71	24.62
		4	24.58	24.72
2	3	5	24.68	24.77
		6	24.73	24.56
	4	7	24.55	24.75
		8	24.45	24.63
Total Conducted Power (mW)			2313.08	2337.64
Total Conducted Power (dBm)			33.64	33.69
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.64	41.69

**Table 10-72. Conducted Average Output 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	25.57	25.42
		2	25.60	25.52
	2	3	25.56	25.58
		4	25.38	25.38
2	3	5	25.53	25.55
		6	25.66	25.64
	4	7	25.27	25.39
		8	25.24	25.52
Total Conducted Power (mW)			2824.66	2839.09
Total Conducted Power (dBm)			34.51	34.53
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.51	42.53

**Table 10-73. Conducted Average Output Power Table (n48\_2C\_20M+20M\_Low Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	25.29	25.09
		2	25.24	25.21
	2	3	25.25	25.25
		4	25.24	25.24
2	3	5	25.29	25.20
		6	25.69	25.38
	4	7	25.30	25.01
		8	25.23	25.25
Total Conducted Power (mW)			2722.44	2652.10
Total Conducted Power (dBm)			34.35	34.24
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.35	42.24

**Table 10-74. Conducted Average Output Power Table (n48\_2C\_20M+20M\_Middle Channel\_8T)**

FCC: A3LSOG2201		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Sector	Zone	Port	QPSK	16QAM
1	1	1	24.92	25.31
		2	24.81	25.30
	2	3	24.90	25.19
		4	24.96	25.02
2	3	5	24.86	25.10
		6	25.11	25.17
	4	7	24.75	24.73
		8	24.72	24.42
Total Conducted Power (mW)			2461.06	2552.83
Total Conducted Power (dBm)			33.91	34.07
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.91	42.07

**Table 10-75. Conducted Average Output Power Table (n48\_2C\_20M+20M\_High Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	25.63	25.10
		2	25.03	24.75
	2	3	25.39	24.94
		4	25.42	24.94
2	3	5	25.59	25.29
		6	25.53	25.50
	4	7	25.16	25.28
		8	25.30	25.37
Total Conducted Power (mW)			2764.75	2620.43
Total Conducted Power (dBm)			34.42	34.18
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			42.42	42.18

**Table 10-76. Conducted Average Output 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	24.67	25.00
		2	24.83	25.15
	2	3	24.91	25.21
		4	24.84	25.19
2	3	5	24.94	25.27
		6	25.14	25.56
	4	7	24.78	25.14
		8	25.02	25.36
Total Conducted Power (mW)			2468.48	2672.24
Total Conducted Power (dBm)			33.92	34.27
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.92	42.27

**Table 10-77. Conducted Average Output Power Table (n48\_2C\_30M+10M\_Middle Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	24.49	24.50
		2	24.59	24.62
	2	3	24.67	24.72
		4	24.51	24.59
2	3	5	24.72	24.76
		6	24.83	24.92
	4	7	24.56	24.57
		8	24.63	24.72
Total Conducted Power (mW)			2321.24	2348.38
Total Conducted Power (dBm)			33.66	33.71
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.66	41.71

**Table 10-78. Conducted Average Output 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	24.47	24.65
		2	24.57	24.73
	2	3	24.64	24.75
		4	24.55	24.73
2	3	5	24.67	24.77
		6	24.82	24.95
	4	7	24.49	24.63
		8	24.65	24.85
Total Conducted Power (mW)			2311.90	2393.03
Total Conducted Power (dBm)			33.64	33.79
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.64	41.79

**Table 10-79. Conducted Average Output Power Table (n48\_2C\_40M+40M\_Low Channel\_8T)**

Sector	Zone	Port	QPSK	16QAM
1	1	1	24.53	24.61
		2	24.71	24.76
	2	3	24.75	24.80
		4	24.62	24.71
2	3	5	24.75	24.83
		6	25.02	25.10
	4	7	24.58	24.67
		8	24.76	24.86
Total Conducted Power (mW)			2370.40	2413.06
Total Conducted Power (dBm)			33.75	33.83
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.75	41.83

**Table 10-80. Conducted Average Output Power Table (n48\_2C\_40M+40M\_Middle Channel\_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 288 of 289	

Sector	Zone	Port	QPSK	16QAM
1	1	1	24.51	24.68
		2	24.65	24.82
	2	3	24.73	24.89
		4	24.61	24.79
2	3	5	24.72	24.89
		6	24.97	25.15
	4	7	24.55	24.74
		8	24.69	24.88
Total Conducted Power (mW)			2350.54	2447.89
Total Conducted Power (dBm)			33.71	33.89
Ant. Gain (dBi)			8.00	8.00
e.i.r.p (dBm)			41.71	41.89

**Table 10-81. Conducted Average Output Power Table (n48\_2C\_40M+40M\_High Channel\_8T)**

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