

Appendix D

LTE BAND CA_42C

CONDUCTED OUTPUT POWER AND E.I.R.P.

CONDUCTED OUTPUT POWER (dBm)

LTE Band CA_42C

CA_42C Part96									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43190	3560	43388	3579.8	QPSK	1	99	1	0	22.43
				16QAM	1	99	1	0	21.93
				64QAM	1	99	1	0	20.93
				256QAM	1	99	1	0	18.00
43241	3565.1	43439	3584.9	QPSK	1	99	1	0	22.45
				16QAM	1	99	1	0	21.96
				64QAM	1	99	1	0	21.09
				256QAM	1	99	1	0	17.98
43292	3570.2	43490	3590	QPSK	1	99	1	0	22.44
				16QAM	1	99	1	0	22.00
				64QAM	1	99	1	0	21.00
				256QAM	1	99	1	0	18.01
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43190	3560	43361	3577.1	QPSK	1	99	1	0	22.46
				16QAM	1	99	1	0	21.93
				64QAM	1	99	1	0	20.94
				256QAM	1	99	1	0	17.93
43266	3567.6	43437	3584.7	QPSK	1	99	1	0	22.42
				16QAM	1	99	1	0	21.82
				64QAM	1	99	1	0	20.99
				256QAM	1	99	1	0	17.89
43341	3575.1	43512	3592.2	QPSK	1	99	1	0	22.44
				16QAM	1	99	1	0	21.91
				64QAM	1	99	1	0	20.92
				256QAM	1	99	1	0	17.94

Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43168	3557.8	43339	3574.9	QPSK	1	74	1	0	22.39
				16QAM	1	74	1	0	21.95
				64QAM	1	74	1	0	20.94
				256QAM	1	74	1	0	18.08
43243	3565.3	43414	3582.4	QPSK	1	74	1	0	22.29
				16QAM	1	74	1	0	21.98
				64QAM	1	74	1	0	20.78
				256QAM	1	74	1	0	18.09
43319	3572.9	43490	3590	QPSK	1	74	1	0	22.30
				16QAM	1	74	1	0	21.91
				64QAM	1	74	1	0	20.86
				256QAM	1	74	1	0	17.99
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43391	3580.1	43535	3594.5	QPSK	1	99	1	0	22.34
				16QAM	1	99	1	0	21.99
				64QAM	1	99	1	0	20.90
				256QAM	1	99	1	0	17.95
43291	3570.1	43435	3584.5	QPSK	1	99	1	0	22.38
				16QAM	1	99	1	0	21.91
				64QAM	1	99	1	0	21.05
				256QAM	1	99	1	0	18.03
43190	3560	43334	3574.4	QPSK	1	99	1	0	22.41
				16QAM	1	99	1	0	21.96
				64QAM	1	99	1	0	20.95
				256QAM	1	99	1	0	17.96

Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43145	3555.5	43289	3569.9	QPSK	1	49	1	0	22.34
				16QAM	1	49	1	0	21.94
				64QAM	1	49	1	0	20.80
				256QAM	1	49	1	0	17.92
43246	3565.6	43390	3580	QPSK	1	49	1	0	22.25
				16QAM	1	49	1	0	21.94
				64QAM	1	49	1	0	20.95
				256QAM	1	49	1	0	17.93
43346	3575.6	43490	3590	QPSK	1	49	1	0	22.29
				16QAM	1	49	1	0	22.00
				64QAM	1	49	1	0	20.87
				256QAM	1	49	1	0	17.99
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43190	3560	43307	3571.7	QPSK	1	99	1	0	22.45
				16QAM	1	99	1	0	22.05
				64QAM	1	99	1	0	20.88
				256QAM	1	99	1	0	17.92
43315	3572.5	43432	3584.2	QPSK	1	99	1	0	22.34
				16QAM	1	99	1	0	22.00
				64QAM	1	99	1	0	20.98
				256QAM	1	99	1	0	17.82
43440	3585	43557	3596.7	QPSK	1	99	1	0	22.40
				16QAM	1	99	1	0	21.95
				64QAM	1	99	1	0	20.93
				256QAM	1	99	1	0	17.87

Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset	
43123	3553.3	43240	3565	QPSK	1	24	1	0	22.23
				16QAM	1	24	1	0	22.00
				64QAM	1	24	1	0	20.94
				256QAM	1	24	1	0	18.01
43248	3565.8	43365	3577.5	QPSK	1	24	1	0	22.27
				16QAM	1	24	1	0	21.88
				64QAM	1	24	1	0	20.94
				256QAM	1	24	1	0	17.87
43373	3578.3	43490	3590	QPSK	1	24	1	0	22.33
				16QAM	1	24	1	0	21.90
				64QAM	1	24	1	0	20.93
				256QAM	1	24	1	0	17.92

EIRP

LTE BAND CA_42C

CA_42C Part96									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Lmit (dBm/10Mhz)
43190	3560	43388	3579.8	QPSK	22.43	0.50	22.93	196.34	23
				16QAM	21.93	0.50	22.43	174.98	23
				64QAM	20.93	0.50	21.43	139.00	23
				256QAM	18.00	0.50	18.50	70.79	23
43241	3565.1	43439	3584.9	QPSK	22.45	0.50	22.95	197.24	23
				16QAM	21.96	0.50	22.46	176.20	23
				64QAM	21.09	0.50	21.59	144.21	23
				256QAM	17.98	0.50	18.48	70.47	23
43292	3570.2	43490	3590	QPSK	22.44	0.50	22.94	196.79	23
				16QAM	22.00	0.50	22.50	177.83	23
				64QAM	21.00	0.50	21.50	141.25	23
				256QAM	18.01	0.50	18.51	70.96	23
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (W)
43190	3560	43361	3577.1	QPSK	22.46	0.50	22.96	197.70	23
				16QAM	21.93	0.50	22.43	174.98	23
				64QAM	20.94	0.50	21.44	139.32	23
				256QAM	17.93	0.50	18.43	69.66	23
43266	3567.6	43437	3584.7	QPSK	22.42	0.50	22.92	195.88	23
				16QAM	21.82	0.50	22.32	170.61	23
				64QAM	20.99	0.50	21.49	140.93	23
				256QAM	17.89	0.50	18.39	69.02	23
43341	3575.1	43512	3592.2	QPSK	22.44	0.50	22.94	196.79	23
				16QAM	21.91	0.50	22.41	174.18	23
				64QAM	20.92	0.50	21.42	138.68	23
				256QAM	17.94	0.50	18.44	69.82	23

Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (W)
43168	3557.8	43339	3574.9	QPSK	22.39	0.50	22.89	194.54	23
				16QAM	21.95	0.50	22.45	175.79	23
				64QAM	20.94	0.50	21.44	139.32	23
				256QAM	18.08	0.50	18.58	72.11	23
43243	3565.3	43414	3582.4	QPSK	22.29	0.50	22.79	190.11	23
				16QAM	21.98	0.50	22.48	177.01	23
				64QAM	20.78	0.50	21.28	134.28	23
				256QAM	18.09	0.50	18.59	72.28	23
43319	3572.9	43490	3590	QPSK	22.30	0.50	22.80	190.55	23
				16QAM	21.91	0.50	22.41	174.18	23
				64QAM	20.86	0.50	21.36	136.77	23
				256QAM	17.99	0.50	18.49	70.63	23
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (W)
43391	3580.1	43535	3594.5	QPSK	22.34	0.50	22.84	192.31	23
				16QAM	21.99	0.50	22.49	177.42	23
				64QAM	20.90	0.50	21.40	138.04	23
				256QAM	17.95	0.50	18.45	69.98	23
43291	3570.1	43435	3584.5	QPSK	22.38	0.50	22.88	194.09	23
				16QAM	21.91	0.50	22.41	174.18	23
				64QAM	21.05	0.50	21.55	142.89	23
				256QAM	18.03	0.50	18.53	71.29	23
43190	3560	43334	3574.4	QPSK	22.41	0.50	22.91	195.43	23
				16QAM	21.96	0.50	22.46	176.20	23
				64QAM	20.95	0.50	21.45	139.64	23
				256QAM	17.96	0.50	18.46	70.15	23

Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (W)
43145	3555.5	43289	3569.9	QPSK	22.34	0.50	22.84	192.31	23
				16QAM	21.94	0.50	22.44	175.39	23
				64QAM	20.80	0.50	21.30	134.90	23
				256QAM	17.92	0.50	18.42	69.50	23
43246	3565.6	43390	3580	QPSK	22.25	0.50	22.75	188.36	23
				16QAM	21.94	0.50	22.44	175.39	23
				64QAM	20.95	0.50	21.45	139.64	23
				256QAM	17.93	0.50	18.43	69.66	23
43346	3575.6	43490	3590	QPSK	22.29	0.50	22.79	190.11	23
				16QAM	22.00	0.50	22.50	177.83	23
				64QAM	20.87	0.50	21.37	137.09	23
				256QAM	17.99	0.50	18.49	70.63	23
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (W)
43190	3560	43307	3571.7	QPSK	22.45	0.50	22.95	197.24	23
				16QAM	22.05	0.50	22.55	179.89	23
				64QAM	20.88	0.50	21.38	137.40	23
				256QAM	17.92	0.50	18.42	69.50	23
43315	3572.5	43432	3584.2	QPSK	22.34	0.50	22.84	192.31	23
				16QAM	22.00	0.50	22.50	177.83	23
				64QAM	20.98	0.50	21.48	140.60	23
				256QAM	17.82	0.50	18.32	67.92	23
43440	3585	43557	3596.7	QPSK	22.40	0.50	22.90	194.98	23
				16QAM	21.95	0.50	22.45	175.79	23
				64QAM	20.93	0.50	21.43	139.00	23
				256QAM	17.87	0.50	18.37	68.71	23

Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	Measured Power (dBm)	Gain (dBi)	EIRP(dBm)	EIRP(mW)	Limit (W)
43123	3553.3	43240	3565	QPSK	22.23	0.50	22.73	187.50	23
				16QAM	22.00	0.50	22.50	177.83	23
				64QAM	20.94	0.50	21.44	139.32	23
				256QAM	18.01	0.50	18.51	70.96	23
43248	3565.8	43365	3577.5	QPSK	22.27	0.50	22.77	189.23	23
				16QAM	21.88	0.50	22.38	172.98	23
				64QAM	20.94	0.50	21.44	139.32	23
				256QAM	17.87	0.50	18.37	68.71	23
43373	3578.3	43490	3590	QPSK	22.33	0.50	22.83	191.87	23
				16QAM	21.90	0.50	22.40	173.78	23
				64QAM	20.93	0.50	21.43	139.00	23
				256QAM	17.92	0.50	18.42	69.50	23

REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).

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