

G.1 LTE Downlink Only Carrier Aggregation Test Selection and Setup

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number component carriers (CCs) supported by the product implementation. For those configurations required by April 2018 TCBC Workshop Notes, conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for carrier aggregation configurations when the maximum average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive. All bands required for SAR testing per FCC KDB procedures were considered. Based on the measured maximum powers below, no additional SAR tests were required for DLCA SAR configurations.

General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C)3)b)ii) of KDB 941225 D05 V01r02. All LTE bandwidth conducted powers needed for PCC uplink configuration selection can be found in RF Conducted Powers Section and LTE/NR Lower Bandwidth RF Conducted Powers Appendix. The downlink PCC channel was paired with the selected PCC uplink channel according to normal configurations without carrier aggregation.
- To maximize aggregated bandwidth, highest channel bandwidth available for that CA combination was selected for SCC. For inter-band CA, the SCC downlink channels were selected near the middle of their transmission bands. For contiguous intra-band CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing defined in section 5.4.1A of 3GPP TS 36.521. For non-contiguous intra-band CA, the downlink channel spacing between the component carriers was set to be larger than the nominal channel spacing and provided maximum separation between the component carriers.
- All selected PCC and SCC(s) remained fully within the uplink/downlink transmission band of the respective component carrier.

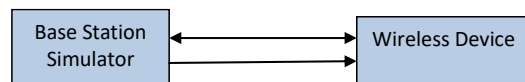


Figure G-1
DL CA Power Measurement Setup

FCC ID: BCG-A2837	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX G: Page 2 of 12

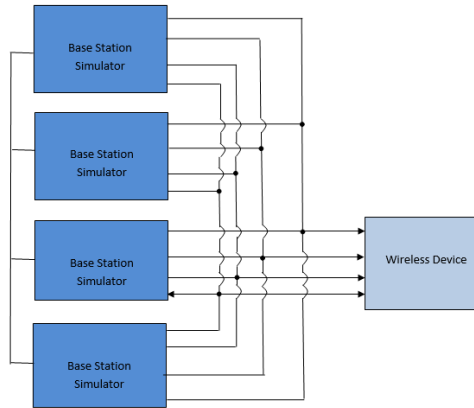


Figure G-2
DL CA with DL 4x4 MIMO Power Measurement Setup

G.2 Downlink Carrier Aggregation RF Conducted Powers

G.2.1 LTE Band 71 as PCC

Table G-3
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC 1				SCC 2				SCC 3				SCC 4				LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
										SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]		
CA 4A-71A	LTE B71	10	13422	693	256QAM	1	0	68886	647	LTE B48	20	56040	3090	-	-	-	-	-	-	-	-	-	-	-	-	18.60	18.77
CA 2A-4A-71A	LTE B71	10	13422	693	256QAM	1	0	68886	647	LTE B2	20	900	1950	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	18.67	18.77
CA 4A-4A-71A	LTE B71	10	13422	693	256QAM	1	0	68886	647	LTE B4	20	2175	2132.5	LTE B4	20	2250	2150	-	-	-	-	-	-	-	-	18.64	18.77
CA 2A-6A-6A-71A	LTE B71	10	13422	693	256QAM	1	0	68886	647	LTE B2	20	900	1950	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	18.65	18.77
CA 2A-6B-71A	LTE B71	10	13422	693	256QAM	1	0	68886	647	LTE B2	20	900	1950	LTE B66	20	66786	2145	LTE B66	20	66864	2164.8	-	-	-	-	18.10	18.77
CA 2A-7A-7A-6A-71A	LTE B71	10	13422	693	256QAM	1	0	68886	647	LTE B2	20	700	1940	LTE B2	20	900	1960	LTE B7	20	3100	2655	LTE B66	20	66786	2145	18.55	18.77

G.2.2 LTE Band 12 as PCC

Table G-4
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC 1				SCC 2				SCC 3				SCC 4				LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
										SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]		
CA 2A-12A (1)	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	19.90	19.66
CA 4A-12A (1)	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	19.91	19.66
CA 4A-12A (2)	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	19.91	19.66
CA 12A-25A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B25	20	8305	1962.5	-	-	-	-	-	-	-	-	-	-	-	-	19.90	19.66
CA 12A-48A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B48	20	55990	1962.5	-	-	-	-	-	-	-	-	-	-	-	-	19.74	19.66
CA 12A-66A (1)	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	19.86	19.66
CA 12A-66A (2)	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	19.86	19.66
CA 12A-12A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940.2	-	-	-	-	-	-	-	-	19.51	19.66
CA 12A-48C	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B48	20	55990	1962.5	LTE B48	20	66186	1944.8	-	-	-	-	-	-	-	-	19.67	19.66
CA 2A-4A-12A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	19.13	19.66
CA 2A-2A-12B	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B12	5	5047	732.7	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	19.11	19.66
CA 2A-4A-4A-12A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2250	2150	-	-	-	-	19.11	19.66
CA 2A-4A-7A-12A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B7	20	3100	2655	-	-	-	-	19.12	19.66
CA 2A-4A-12B	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B12	5	5047	732.7	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	19.07	19.66
CA 2A-12A-6B-12B	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66864	2164.8	-	-	-	-	19.11	19.66
CA 4A-12A-12B	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B12	5	5047	732.7	LTE B4	20	2175	2132.5	LTE B4	10	2300	2150	-	-	-	-	19.13	19.66
CA 2A-2A-7A-12A-6A-6A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B7	20	3100	2655	LTE B66	20	66786	2145	19.27	19.66
CA 2A-2A-12A-9A-4A-6A-6A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	LTE B66	20	66786	2145	19.29	19.66
CA 2A-2A-12A-6A-6A-6A-6A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.29	19.66
CA 2A-12A-9A-6A-6A-6A	LTE B12	5	23095	707.5	16QAM	1	12	5095	737.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.30	19.66

FCC ID: BCG-A2837	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX G: Page 3 of 12

G.2.3 LTE Band 13 as PCC

Table G-5
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power				
			PCC (UL) Ch.	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 2A-4A-13A	LTE B13	10	23230	782	64QAM	1	0	5230	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	30.74	21.21
CA 2A-13A-48A	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B2	20	900	1960	LTE B48	20	55900	3625	-	-	-	-	-	-	-	-	21.46	21.32
CA 4A-48A-13A	LTE B13	10	23230	782	64QAM	1	0	5230	751	LTE B4	20	2175	2132.5	LTE B4	10	2250	2150	-	-	-	-	-	-	-	-	21.07	21.21
CA 13A-48A-66A	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B48	20	55900	3625	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	21.50	21.32
CA 2A-7C-13A	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B2	20	900	1960	LTE B7	20	3100	2655	LTE B7	20	2902	2635.2	-	-	-	-	20.66	21.32
CA 2A-13A-48C	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B2	20	900	1960	LTE B48	20	55900	3625	LTE B48	20	56188	3644.8	-	-	-	-	21.41	21.32
CA 2A-13A-66B	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B2	20	900	1960	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	20.94	21.32
CA 2A-13A-66C	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66884	2164.8	-	-	-	-	20.81	21.32
CA 13A-48C-66A	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B48	20	55900	3625	LTE B48	20	56188	3644.8	LTE B66	20	66786	2145	-	-	-	-	21.48	21.32
CA 13A-66A-66B	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B66	20	66786	2145	LTE B66	5	67160	2183.2	LTE B66	15	67263	2192.5	-	-	-	-	20.74	21.32
CA 13A-66A-66C	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B66	20	66786	2145	LTE B66	20	67208	2170.2	LTE B66	20	67236	2190	-	-	-	-	20.63	21.32
CA 2A-2A-13A-66A-66A	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67236	2190	20.82	21.32
CA 2A-7A-13A-66A	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B2	20	900	1960	LTE B7	20	2850	2630	LTE B7	20	3100	2655	LTE B66	20	66536	2120	20.85	21.32
CA 13A-48C-66A	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B48	20	55900	3625	LTE B48	20	56188	3644.8	LTE B48	20	56386	3664.8	LTE B66	20	66786	2145	20.70	21.32
CA 13A-48C	LTE B13	5	23230	782	16QAM	1	12	5230	751	LTE B48	20	55900	3625	LTE B48	20	56188	3644.8	LTE B48	20	56386	3664.8	LTE B48	20	56584	3684.8	20.84	21.32

G.2.4 LTE Band 14 as PCC

Table G-6
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power			
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	PCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 2A-2A-14A-30A-66A	LTE B14	5	23130	793	16QAM	1	12	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	30	9820	2355	LTE B66	20	66786	2145	18.80	19.21
CA 2A-2A-14A-66A-66A	LTE B14	5	23130	793	16QAM	1	12	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67236	2190	18.75	19.21
CA 2A-14A-30A-66A-66A	LTE B14	5	23130	793	16QAM	1	12	5330	763	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	18.81	19.21

G.2.5 LTE Band 5 as PCC

Table G-7
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power			
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 5A-7A	LTE B5	1.4	20407	824.7	16QAM	1	0	2407	899.7	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	19.45	19.25	
CA 5A-25A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B25	20	8345	1902.5	-	-	-	-	-	-	-	-	-	-	-	19.36	19.24	
CA 5A-42A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B42	20	40620	2593	-	-	-	-	-	-	-	-	-	-	-	19.12	19.28	
CA 5B (1)	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B5	3	2586	887.6	-	-	-	-	-	-	-	-	-	-	-	19.43	19.24	
CA 2C-5A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B2	20	700	1940	2	-	-	-	-	-	-	18.96	19.24	
CA 4A-5B	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B5	10	2583	884.3	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	18.87	19.24	
CA 5B-30A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B5	10	2583	884.3	LTE B30	10	9820	2355	-	-	-	-	-	-	-	18.82	19.24	
CA 2A-2A-4A-5A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	-	-	-	19.00	19.24	
CA 2A-4A-4A-5A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2900	2150	-	-	-	19.08	19.28	
CA 2A-5A-7C	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B7	20	3100	2655	LTE B7	20	2902	2635.2	-	-	-	18.95	19.24	
CA 2A-5A-48A-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B48	20	55900	3625	LTE B66	20	66786	2145	-	-	-	19.22	19.24	
CA 2A-5A-48C	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B48	20	55900	3625	LTE B48	20	56188	3644.8	-	-	-	19.38	19.24	
CA 2A-5B-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B5	10	2583	884.3	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	18.94	19.24	
CA 5A-7A-66A-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B7	20	3100	2655	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	18.97	19.24	
CA 5A-48C-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B48	20	55900	3625	LTE B48	20	56188	3644.8	LTE B66	20	66786	2145	-	-	-	19.04	19.24	
CA 5A-48D	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B48	20	55900	3625	LTE B48	20	56188	3644.8	LTE B48	20	56386	3664.8	-	-	-	19.25	19.24	
CA 5A-66A-66B	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B66	20	66786	2145	LTE B66	15	67261	2182.5	LTE B66	5	67268	2183.2	-	-	-	18.87	19.24	
CA 5A-66A-66C	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B66	20	66786	2145	LTE B66	20	67268	2190	LTE B66	20	67268	2190	-	-	-	18.88	19.24	
CA 2A-2A-5A-30A-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	30	9820	2355	LTE B66	20	66786	2145	18.82	19.24
CA 2A-2A-5A-48A-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.03	19.24
CA 2A-2A-5A-66B	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	18.81	19.24
CA 2A-2A-5A-66C	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B7	20	3100	2655	LTE B66	20	66786	2145	LTE B66	20	66584	2164.8	18.89	19.24
CA 2A-5A-7A-7A-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B7	20	2850	2630	LTE B2	20	900	1960	LTE B7	20	3152	2660.2	LTE B66	20	66536	2120	19.00	19.24
CA 2A-5A-30A-66A-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	66786	2145	18.80	19.24
CA 2A-5A-48A-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B2	20	900	1960	LTE B48	20	55900	3625	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.09	19.28
CA 5A-7C-66A-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B7	20	3100	2655	LTE B66	20	66786	2145	LTE B66	20	67236	2190	LTE B66	20	67236	2190	18.84	19.24
CA 5A-48C-66A	LTE B5	5	20625	846.5	16QAM	1	12	2625	891.5	LTE B48	20	55900	3625	LTE B48	20	56188	3644.8	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.23	19.24

G.2.9 LTE Band 30 as PCC

Table G-11
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch	PCC				PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				SCC 4				LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (UL) Freq. [MHz]			SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]		
CA_2C-30A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.31	14.76
CA_3B-30A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2403	874.3	-	-	-	-	-	-	-	-	14.38	14.76
CA_2A-2A-30A-66A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.18	14.76
CA_30A-66A-66A-66A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B66	20	66936	2190	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.40	14.76
CA_2A-2A-30A-66A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	14.24	14.76
CA_2A-2A-12A-30A-66A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	14.21	14.76
CA_2A-2A-13A-30A-66A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	14.27	14.76
CA_2A-2A-25A-30A-66A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B2	20	700	1940	LTE B66	20	66786	2145	14.25	14.76
CA_2A-3A-30A-66A-66A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	14.28	14.76
CA_2A-12A-30A-66A-66A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	14.13	14.76
CA_2A-14A-30A-66A-66A	LTE E30	5	27750	2310	64QAM	1	12	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	14.29	14.76

G.2.10 LTE Band 7 as PCC

Table G-12
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch	PCC				PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				SCC 4				LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (UL) Freq. [MHz]			SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]		
CA_5A-7A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	-	-	-	-	13.86	13.65
CA_7A-26A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B26	15	8805	876.5	-	-	-	-	-	-	-	-	-	-	-	-	13.83	13.65
CA_7A-29A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	13.77	13.65
CA_7B	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	2944	2639.4	-	-	-	-	-	-	-	-	-	-	-	-	13.81	13.65
CA_4A-4A-7A (1)	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B4	20	2175	2132.5	LTE B4	20	2190	2150	-	-	-	-	-	-	-	-	13.38	13.65
CA_7A-7A-26A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	3360	2680	LTE B26	15	8805	876.5	-	-	-	-	-	-	-	-	13.46	13.65
CA_2A-4A-7A-7A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	3360	2680	LTE B7	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	12.79	13.65
CA_2A-4A-7A-12A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	12.75	13.65
CA_2A-4A-7C	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	2944	2639.4	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	12.74	13.65
CA_2A-5A-7C	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	2944	2639.4	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	12.76	13.65
CA_2A-7C-13A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	2944	2639.4	LTE B2	20	900	1960	LTE B13	10	5330	763	-	-	-	-	12.76	13.65
CA_2A-7C-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	2944	2639.4	LTE B2	20	900	1960	LTE B66	20	66786	2145	-	-	-	-	12.72	13.65
CA_5A-7A-66A-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	12.76	13.65
CA_7A-7A-66A-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	3360	2680	LTE B26	15	8805	876.5	LTE B66	20	67236	2190	-	-	-	-	12.77	13.65
CA_2A-2A-7A-12A-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	12.82	13.65
CA_2A-2A-7A-66A-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	67236	2190	LTE B66	20	66786	2145	12.79	13.65
CA_2A-2A-7A-66A-12A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B7	20	3360	2680	LTE B7	20	66786	2145	12.71	13.65
CA_2A-5A-7A-7A-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B7	20	3360	2680	LTE B66	20	66786	2145	12.76	13.65
CA_2A-7A-7A-13A-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	3360	2680	LTE B2	20	900	1960	LTE B13	10	5330	763	LTE B66	20	67236	2190	13.26	13.65
CA_2A-7A-7A-66A-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	3360	2680	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	12.82	13.65
CA_2A-7C-66A-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	2944	2639.4	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	13.76	13.65
CA_5A-7C-66A-66A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	LTE B7	20	2944	2639.4	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	12.78	13.65

G.2.11 LTE Band 41 as PCC

Table G-13
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch Freq. [MHz]	PCC				SCC 1				SCC 2				SCC 3				SCC 4				LTE Tx Power with CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel			SCC (DL) Freq. [MHz]	
CA_5A-41A	LTE B41	20	39750	2506	16QAM	1	50	39750	2506	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	-	-	-	-	15.30	15.18
CA_41A-41A (1)	LTE B41	5	41490	2690	16QAM	1	12	41490	2680	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	-	-	-	-	15.24	15.27
CA_41A-41C	LTE B41	5	41490	2690	16QAM	1	12	41490	2680	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	15.19	15.27
CA_41C-41A	LTE B41	5	41490	2690	16QAM	1	12	41490	2680	LTE B41	20	41373	2668.3	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	15.30	15.27
CA_41A-41D	LTE B41	5	41490	2690	16QAM	1	12	41490	2680	LTE B41	20	40146	2545.6	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	-	-	-	-	15.36	15.27
CA_41D-41A	LTE B41	20	40185	2545.5	64QAM	1	49	40185	2549.5	LTE B41	20	40329	2563.9	LTE B41	20	40329	2563.7	LTE B41	20	41490	2690	-	-	-	-	15.27	15.22
CA_41C-41C	LTE B41	20	40185	2545.5	64QAM	1	49	40185	2549.5	LTE B41	20	40329	2563.9	LTE B41	20	41292	2660.2	LTE B41	20	41490	2690	-	-	-	-	15.27	15.22
CA_41E	LTE B41	20	39750	2506	16QAM	1	50	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40246	2545.6	LTE B41	20	40344	2565.4	-	-	-	-	15.14	15.18
CA_41A-41D	LTE B41	20	40185	2545.5	64QAM	1	49	40185	2549.5	LTE B41	20	40329	2563.9	LTE B41	20	41292	2660.2	LTE B41	20	41490	2690	-	-	-	-	15.29	15.22
CA_41D-41C	LTE B41	20	40185	2545.5	64QAM	1	49	40185	2549.5	LTE B41	20	40329	2563.9	LTE B41	20	40246	2563.7	LTE B41	20	41292	2660.2	LTE B41	20	41490	2690	15.18	15.22

FCC ID: BCG-A2837	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX G: Page 7 of 12

G.3.6 LTE Band 26 as PCC

Table G-23
Maximum Output Powers

		PCC										SCC 1				SCC 2				Power			
Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL/RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx-Power with DL CA Enabled	LTE Single Carrier Tx Power (dBm)	
CA [7A]-26A	LTE B26	10	26740	819	16QAM	1	0	8740	864	2x2	LTE B7	20	3100	2655	4x4	-	-	-	-	-	-	18.67	19.41
CA [25A]-26A	LTE B26	10	26740	819	16QAM	1	0	8740	864	2x2	LTE B25	20	8365	1962.5	4x4	-	-	-	-	-	-	18.66	19.41
CA 26A-41A	LTE B26	10	26740	819	16QAM	1	0	8740	864	2x2	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	19.45	19.41
CA [7A][7A]-26A	LTE B26	10	26740	819	16QAM	1	0	8740	864	2x2	LTE B7	20	3100	2655	4x4	LTE B7	20	2850	2630	4x4	-	18.44	19.41
CA [25A][25A]-26A	LTE B26	5	27015	846.5	64QAM	1	12	9015	891.5	2x2	LTE B25	20	8365	1962.5	4x4	LTE B25	20	8590	1985	4x4	-	18.55	19.27
CA 26A-41C	LTE B26	10	26740	819	16QAM	1	0	8740	864	2x2	LTE B41	20	40620	2593	4x4	LTE B41	20	40422	2573.2	4x4	-	19.38	19.41

G.3.7 LTE Band 66 as PCC

Table G-24
Maximum Output Powers

[illegible]

G.3.8 LTE Band 25 as PCC

Table G-25
Maximum Output Powers

Combination	PCB Band	PCB BW [MHz]	PCC (U1) [MHz]	PCC (U1) Freq. [MHz]	Mod.	PCC U1 RB Offset	PCC (U1) Ch. Freq. [MHz]	PCC (D1) Ch. Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC 1		SCC Band	SCC BW [MHz]	SCC 2		SCC Band	SCC BW [MHz]	SCC 3		SCC Band	SCC BW [MHz]	SCC 4		DL Ant. Config.	Tx Power with EIRP [dBm]	LTE Single Carrier Tx Power [dBm]			
												SCC (D1) Freq. [MHz]	SCC (D1) Ch. Freq. [MHz]			SCC (D1) Freq. [MHz]	SCC (D1) Ch. Freq. [MHz]			SCC (D1) Freq. [MHz]	SCC (D1) Ch. Freq. [MHz]			SCC (D1) Freq. [MHz]	SCC (D1) Ch. Freq. [MHz]						
CA 1A (2A)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	2525	881.5	2x2													12.75	13.70			
CA 1A (2A)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B12	10	5095	737.5	2x2													12.75	13.70			
CA 1A (2A) 2A	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	13	8885	876.5	2x2													12.72	13.70			
CA 1A (2A) (2A)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	8890	876.5	2x2													12.75	13.70			
CA 1A (2A) (2A) (4A)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	8890	1995	4x4	LTE B41	20	40620	2093	4x4	LTE B41	20	40620	2093	4x4	LTE B41	20	40620	2093	4x4	12.85	13.70
CA 1A (2A) (4C)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40622	2593.2	4x4	LTE B41	20	40622	2593.2	4x4	LTE B41	20	40622	2593.2	4x4	12.85	13.70
CA 1A (2A) (2A) (4A) (4C)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	12.85	13.70
CA 1A (2A) (2A) (4A) (4C) (4C)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	12.85	13.70
CA 1A (2A) (2A) (4A) (4C) (4C) (4C)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	12.85	13.70
CA 1A (2A) (2A) (4A) (4C) (4C) (4C) (4C)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	12.85	13.70
CA 1A (2A) (2A) (4A) (4C) (4C) (4C) (4C) (4C)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	12.85	13.70
CA 1A (2A) (2A) (4A) (4C) (4C) (4C) (4C) (4C) (4C)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	12.85	13.70
CA 1A (2A) (2A) (4A) (4C) (4C) (4C) (4C) (4C) (4C) (4C)	LTE B25	20	26140	160M	1	50	8140	1940	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	LTE B10	20	3100	2655	4x4	12.85	13.70

FCC ID: BCG-A2837	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX G: Page 9 of 12

G.3.9 LTE Band 30 as PCC

Table G-26
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				DL Ant. Config.	SCC 4				LTE TxPower with DL CA Enabled	LTE Single Carrier TxPower [dBm]	
						PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]			
CA [2C] [30A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940.2	4x4	-	-	-	-	-	-	-	-	-	13.98	14.76	
CA [4B] [30A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B5	10	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	-	-	-	-	-	-	-	-	-	13.92	14.76	
CA [29A] [30A] [66A] [66A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B29	10	9715	722.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	14.42	14.76
CA [16A] [66A] [66A] [66A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B66	20	66816	2140	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	14.42	14.76
CA [1A] [2A] [3A] [66A] [66A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B9	10	2505	881.5	2x2	LTE B66	20	66786	2145	4x4	14.31	14.76
CA [2A] [2A] [3A] [30A] [66A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B12	10	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	14.25	14.76
CA [2A] [2A] [4A] [3A] [66A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B14	10	5330	763	2x2	LTE B66	20	66786	2145	4x4	14.02	14.76
CA [2A] [2A] [2A] [3A] [66A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B29	10	9715	722.5	2x2	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	14.08	14.76
CA [2A] [5A] [3A] [66A] [66A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B5	10	2525	881.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	13.97	14.76
CA [2A] [12A] [3A] [66A] [66A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B12	10	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	14.19	14.76
CA [2A] [4A] [3A] [66A] [66A]	LTE B30	5	27710	2310	64QAM	1	12	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B14	10	5330	763	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	14.15	14.76

G.3.1 LTE Band 7 as PCC

Table G-27
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				DL Ant. Config.	SCC 4				LTE Tx Power with DL CA Enabled	LTE Single Carrier Tx Power (dBm)	
						PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]			
CA [5A] [7A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.97	13.65	
CA [7A] [25A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B26	10	8865	876.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.98	13.65	
CA [7A] [25A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B29	10	9715	722.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.01	13.65	
CA [7B]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	2944	2639.4	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.98	13.65	
CA [16A] [4A] [7A] [1]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B4	20	2175	2122.5	4x4	LTE B4	20	2175	2122.5	4x4	-	-	-	-	-	-	-	-	-	12.99	13.65	
CA [7A] [7A] [25A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	3350	2680	4x4	LTE B25	15	8865	876.5	2x2	-	-	-	-	-	-	-	-	-	12.98	13.65	
CA [2A] [4A] [7A] [7A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	3350	2680	4x4	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2122.5	4x4	-	-	-	-	-	12.91	13.65
CA [2A] [4A] [7A] [13A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2122.5	2x2	-	-	-	-	-	-	-	-	-	12.86	13.65	
CA [2A] [4A] [7C]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	2944	2639.4	4x4	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2122.5	4x4	-	-	-	-	-	12.85	13.65
CA [2A] [5A] [7C]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	2944	2639.4	4x4	LTE B2	20	900	1960	4x4	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	12.91	13.65
CA [2A] [7C] [13A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	2944	2639.4	4x4	LTE B2	20	900	1960	4x4	LTE B13	10	5230	751	2x2	-	-	-	-	-	12.87	13.65
CA [2A] [7C] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	2944	2639.4	4x4	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	12.94	13.65
CA [5A] [7A] [66A] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B5	10	2525	881.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	12.88	13.65
CA [7A] [7A] [25A] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	3350	2680	4x4	LTE B25	20	8865	876.5	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	12.90	13.65
CA [2A] [2A] [7A] [12A] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B12	10	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	12.98	13.65
CA [2A] [2A] [7A] [16A] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	67236	2190	4x4	LTE B66	20	66786	2145	4x4	12.76	13.65
CA [2A] [5A] [7A] [17A] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B2	20	900	1960	4x4	LTE B5	10	2525	881.5	2x2	LTE B7	20	3200	2655	4x4	LTE B66	20	66786	2145	4x4	13.21	13.65
CA [2A] [7A] [7A] [13A] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	3350	2680	4x4	LTE B2	20	900	1960	4x4	LTE B13	10	5230	751	2x2	LTE B66	20	67236	2190	4x4	12.95	13.65
CA [2A] [7A] [7A] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	3350	2680	4x4	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	12.97	13.65
CA [2A] [7C] [66A] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	2944	2639.4	4x4	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	13.15	13.65
CA [5A] [7C] [66A] [66A]	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	2944	2639.4	4x4	LTE B5	10	2525	881.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	13.15	13.65

G.3.2 LTE Band 41 as PCC

Table G-28
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				DL Ant. Config.	SCC 4				Power		
						PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA Enabled	LTE Single Carrier Tx Power [dBm]	
CA [41A] [41A] [1]	LTE B41	5	41490	2680	16QAM	1	12	41490	2680	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.31	13.27	
CA [41A] [41C]	LTE B41	5	41490	2680	16QAM	1	12	41490	2680	4x4	LTE B41	20	39948	2525.8	2x2	LTE B41	20	39750	2506	2x2	-	-	-	-	-	-	-	-	-	-	13.32	13.27
CA [41C] [41A]	LTE B41	5	41490	2680	16QAM	1	12	41490	2680	4x4	LTE B41	20	41073	2668.3	4x4	LTE B41	20	39750	2506	2x2	-	-	-	-	-	-	-	-	-	-	13.37	13.27
CA [41A] [41C]	LTE B41	5	41490	2680	16QAM	1	12	41490	2680	4x4	LTE B41	20	40346	2561.6	4x4	LTE B41	20	39750	2506	2x2	LTE B41	20	39750	2506	2x2	-	-	-	-	-	13.32	13.27
CA [41C] [41C]	LTE B41	5	41518	2549.3	64QAM	1	49	41518	2549.3	4x4	LTE B41	20	40267	2561.9	4x4	LTE B41	20	40267	2561.7	4x4	LTE B41	20	41290	2603.2	2x2	-	-	-	-	-	13.28	13.21
CA [41C] [41C]	LTE B41	5	40185	2549.3	64QAM	1	49	40185	2549.3	4x4	LTE B41	20	40329	2561.9	4x4	LTE B41	20	41292	2603.9	4x4	LTE B41	20	41490	2680	4x4	-	-	-	-	-	13.26	13.22
CA [41C] [41C]	LTE B41	5	40185	2549.3	64QAM	1	49	40185	2549.3	4x4	LTE B41	20	40329	2561.9	4x4	LTE B41	20	41292	2603.9	4x4	LTE B41	20	41490	2680	4x4	-	-	-	-	-	13.26	13.22
CA [41C] [41C]	LTE B41	5	40185	2549.3	64QAM	1	49	40185	2549.3	4x4	LTE B41	20	40329	2561.9	4x4	LTE B41	20	41292	2603.9	4x4	LTE B41	20	41490	2680	4x4	-	-	-	-	-	13.26	13.22
CA [41C] [41C]	LTE B41	5	40185	2549.3	64QAM	1	49	40185	2549.3	4x4	LTE B41	20	40329	2561.9	4x4	LTE B41	20	41292	2603.9	4x4	LTE B41	20	41490	2680	4x4	-	-	-	-	-	13.26	13.22
CA [41C] [41C]	LTE B41	5	40185	2549.3	64QAM	1	49	40185	2549.3	4x4	LTE B41	20	40329	2561.9	4x4	LTE B41	20	41292	2603.9	4x4	LTE B41	20	41490	2680	4x4	-	-	-	-	-	13.26	13.22
CA [41C] [41C]	LTE B41	5	40185	2549.3	64QAM	1	49	40185	2549.3	4x4	LTE B41	20	40329	2561.9	4x4	LTE B41	20	41292	2603.9	4x4	LTE B41	20	41490	2680	4x4	-	-	-	-	-	13.26	13.22
CA [41C] [41C]	LTE B41	5	40185	2549.3	64QAM	1	49	40185	2549.3	4x4	LTE B41	20	40329	2561.9	4x4	LTE B41	20	41292	2603.9	4x4	LTE B41	20	41490	2680	4x4	-	-	-	-	-	13.26	13.22

FCC ID: BCG-A2837	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX G: Page 11 of 12

