APPENDIX I: LTE DOWNLINK ONLY CARRIER AGGREGATION TEST REDUCTION METHODOLOGY

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number of component carriers (CCs) supported by the product implementation. Per April 2018 TCBC Workshop Notes, the following test reduction methodology was applied to determine the combinations required for conducted power measurements.

LTE DLCA Test Reduction Methodology:

- The supported combinations were arranged by the number of component carriers in columns.
- Any limitations on the PCC or SCC for each combination were identified alongside the combination (e.g. CA_2A-2A-4A-12A, but B12 can only be configured as a SCC).
- Power measurements were performed for "supersets" (LTE CA combinations with multiple components carriers) and any "subsets" (LTE CA combinations with fewer component carriers) that were not completely covered by the supersets.
- Only subsets that have the exact same components as a superset were excluded for measurement.
- When there were certain restrictions on component carriers that existed in the superset that were not applied for the subset, the subset configuration was additionally evaluated.
- Both inter-band and intra-band downlink carrier aggregation scenarios were considered.
- Downlink CA combinations for SISO and 4x4 Downlink MIMO operations were measured independently, per May 2017 TCBC Workshop notes.

Table I-1 – Exclusion Table for SISO Configurations

FCC ID: C3K2077	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Computing Device		APPENDIX I: Page 1 of 18

Table I-2 – Exclusion Table for 4x4 Downlink MIMO Configurations

Note: [CC] indicates component carrier with 4x4 DL MIMO antenna configuration

FCC ID: C3K2077	SAR EVALUATION REPORT	Approved by:
		Technical Manager
DUT Type: Portable Computing Device		APPENDIX I: Page 2 of 18

I.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 measuremets 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 the RF Conducted Powers Section and LTE/NR Lower Bandwidth RF Conducted Power 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.
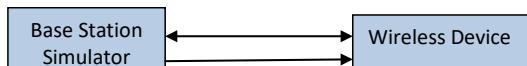

Figure I-1
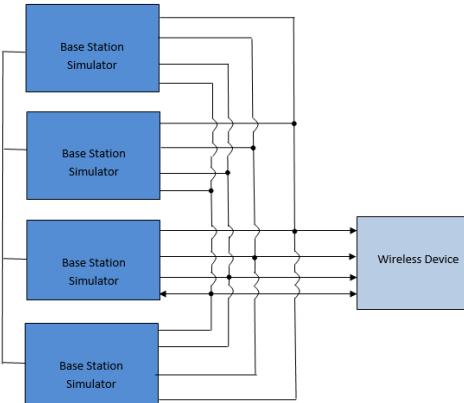**DL CA Power Measurement Setup**

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

I.2 Downlink Carrier Aggregation RF Conducted Powers

I.2.1 LTE Band 71 as PCC

Table I-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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
				PCC								SCC 1				SCC 2				SCC 3		Power	
CA_4A-4A-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	24.19	24.26
CA_48A-48A-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	LTE B48	20	55990	3625	LTE B48	20	56640	3690	-	-	-	-	24.18	24.26
CA_48C-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	-	-	-	-	24.20	24.26
CA_2A-66A-66A-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	24.31	24.26
CA_2A-66C-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	24.34	24.26
CA_2A-2A-4A-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	24.35	24.26
CA_2A-2A-66A-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	24.33	24.26

I.2.2 LTE Band 12 as PCC

Table I-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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
				PCC								SCC 1				SCC 2				SCC 3		Power	
CA_2A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	24.46	24.66
CA_4A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	24.44	24.66
CA_4A-12A (2)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	24.44	24.66
CA_12A-25A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B25	20	8365	1962.5	-	-	-	-	-	-	-	-	24.45	24.66
CA_12A-48A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B48	20	55990	3625	-	-	-	-	-	-	-	-	24.53	24.66
CA_12A-66A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	24.51	24.66
CA_12A-66A (2)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	24.51	24.66
CA_12B	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	LTE B12	5	5083	736.3	-	-	-	-	-	-	-	-	24.56	24.64
CA_12A-48C	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	-	-	-	-	24.66	24.66
CA_2A-4A-12B	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	24.66	24.64
CA_2A-12A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	20	2175	2132.5	24.53	24.66
CA_2A-12A-66C	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	24.50	24.66
CA_2A-2A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	24.46	24.66
CA_2A-2A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	24.42	24.66
CA_2A-2A-12A-12A	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	LTE B2	5	5155	743.5	LTE B2	20	900	1960	LTE B12	20	700	1940	24.59	24.64
CA_2C-12A-30A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	LTE B30	10	9820	2355	24.60	24.66
CA_4A-4A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	24.43	24.66
CA_4A-4A-12A-12A	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	LTE B12	5	5155	743.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	24.59	24.64
CA_4A-4A-12B	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	24.63	24.64
CA_12A-48D	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	-	-	-	-	24.63	24.66
CA_2A-12B-66A-66A	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B66	20	66786	2145	24.65	24.64
CA_2A-2A-12A-66A-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	24.50	24.66
CA_2A-2A-12B-66A	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B2	20	700	1940	24.64	24.64

I.2.3 LTE Band 13 as PCC

Table I-5
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-13A (2)	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	24.08	24.20
CA_2A-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	24.18	24.20
CA_2A-13A-48A	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B2	20	900	1960	LTE B48	20	55990	3625	-	-	-	-	24.25	24.31
CA_4A-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	24.14	24.20
CA_13A-48A-48A	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B48	20	56640	3690	-	-	-	-	24.25	24.31
CA_13A-48B	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	10	55990	3625	LTE B48	10	56089	3634.9	-	-	-	-	24.30	24.31
CA_2A-13A-48C	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B2	20	900	1960	LTE B48	20	55990	3625	-	-	-	-	24.24	24.31
CA_13A-48A-66A-66A	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B66	20	66786	2145	LTE B66	20	67236	2190	24.22	24.31
CA_13A-48A-66B	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	24.17	24.31
CA_13A-48A-66C	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	24.19	24.31
CA_13A-48C-66A	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B66	20	66786	2145	24.16	24.31
CA_13A-48A-48C	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B48	20	55340	3560	LTE B48	20	55538	3579.8	24.31	24.31
CA_2A-13A-48D	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B2	20	900	1960	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.23	24.31
CA_2A-13A-66A-66B	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	24.21	24.31
CA_2A-13A-66A-66C	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	24.21	24.31
CA_2A-13A-66D	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	24.19	24.31
CA_2A-2A-13A-66A-66A	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	24.21	24.31
CA_2A-2A-13A-66B	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	15	66786	2145	24.20	24.31
CA_13A-48D-66A	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B48	20	56386	3664.6	24.23	24.31
CA_13A-48D-48D	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B48	20	55340	3560	LTE B48	20	55538	3579.8	24.21	24.31
CA_13A-48C-48C	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B48	20	55340	3560	24.25	24.31
CA_13A-48E	LTE B13	5	23230	782	QPSK	1	12	5230	751	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B48	20	56386	3664.6	24.26	24.31

I.2.4 LTE Band 14 as PCC

Table I-6
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
											SCC 1				SCC 2				SCC 3			Power	
CA_2A-2A-14A-30A	LTE B14	5	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	23.88	24.16
CA_14A-30A-66A-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	LTE B30	10	9820	2355	LTE B66	20	67236	2145	LTE B66	20	67236	2190	23.90	24.16
CA_14A-66A-66A-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	LTE B66	20	66786	2145	LTE B66	20	66536	2120	LTE B66	20	67236	2190	23.91	24.16
CA_2A-2A-14A-66A-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	24.17	24.16

I.2.5 LTE Band 5 as PCC

Table I-7
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
											SCC 1				SCC 2				SCC 3			Power	
CA_5A-25A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B25	20	8365	1962.5	-	-	-	-	-	-	-	-	24.49	24.48
CA_5A-41A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B41	20	40620	2593	-	-	-	-	-	-	-	-	24.45	24.48
CA_5A-5A (1)	LTE B5	3	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	5	2425	871.5	-	-	-	-	-	-	-	-	24.47	24.48
CA_5B (1)	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	3	2486	877.6	-	-	-	-	-	-	-	-	24.47	24.48
CA_2A-5A-48A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B48	20	55990	3625	-	-	-	-	24.37	24.48
CA_2A-4A-5B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	10	2453	874.3	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	24.48	24.48
CA_4A-4A-5A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	24.43	24.48
CA_2A-5A-48C	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B48	20	56640	3690	LTE B48	20	56442	3670.2	24.45	24.48
CA_2A-5A-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	5	2425	871.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	24.50	24.48
CA_2A-5B-30A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B2	20	900	1960	LTE B30	10	9820	2355	24.47	24.48
CA_2A-48A-48C	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	55990	3625	LTE B48	20	56640	3690	LTE B48	20	56442	3670.2	24.46	24.48
CA_2A-2A-4A-5A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	24.42	24.48
CA_2A-2A-5A-30A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	24.45	24.48
CA_2C-5A-30A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	LTE B30	10	9820	2355	24.37	24.48
CA_4A-4A-5B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	24.47	24.48
CA_5A-30A-66A-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	24.50	24.48
CA_5A-48A-66A-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B48	20	55990	3625	LTE B66	20	66786	2145	LTE B66	20	67236	2190	24.51	24.48
CA_5A-48C-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B66	20	66786	2145	24.51	24.48
CA_5A-66A-66B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B66	20	66786	2145	LTE B66	15	67261	2192.5	LTE B66	5	67168	2183.2	24.47	24.48
CA_5A-66A-66C	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	LTE B66	20	67038	2170.2	24.45	24.48
CA_5A-66D	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	LTE 66	20	66588	2125.2	24.48	24.48
CA_5A-5A-66B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	5	2425	871.5	LTE B66	20	66786	2145	LTE B66	5	66879	2154.3	24.50	24.48
CA_5A-5A-66C	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	5	2425	871.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	24.49	24.48
CA_5B-30A-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	24.41	24.48
CA_2A-5A-48D	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.49	24.48
CA_2A-5A-5A-66A-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	5	2425	871.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	24.49	24.48
CA_2A-5B-66B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B2	20	900	1960	LTE B66	15	66786	2145	24.42	24.48
CA_2A-5B-66C	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	24.50	24.48
CA_2A-2A-5A-66A-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	24.48	24.48
CA_2A-2A-5A-66B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	15	66786	2145	24.45	24.48
CA_2A-2A-5A-66C	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	24.47	24.48
CA_2A-2A-5B-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B2	20	900	1960	LTE B2	20	700	1940	24.49	24.48
CA_2C-5B-30A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B2	20	900	1960	LTE B2	20	702	1940.2	24.44	24.48
CA_4A-4A-5B-30A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	24.47	24.48
CA_5A-48D-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B48	20	56386	3664.6	24.46	24.48
CA_5B-30A-66A-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	24.47	24.48
CA_5B-66A-66B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	24.50	24.48
CA_5B-66A-66C	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	LTE B5	10	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	24.46	24.48

I.2.6 LTE Band 26 as PCC

Table I-8
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
											SCC 1				SCC 2				SCC 3			Power	
CA_2A-26A	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	24.41	24.45
CA_26A-41C	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	LTE B41	20	40620	2593	LTE B41	20	40422	2573.2	-	-	-	-	24.46	24.45
CA_25A-25A-26A-41A	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	LTE B25	20	8365	1962.5	LTE B25	20	8365	1962.5	LTE B41	20	40620	2593	24.51	24.45
CA_26A-41D	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	-	-	-	-	24.46	24.45
CA_25A-26A-41D	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	LTE B25	15	8365	1962.5	LTE B41	20	40422	2573.2	LTE B41	20	40620	2593	24.48	24.45
CA_25A-25A-26A-41C	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	LTE B25	20	8140	1940	LTE B25	20	8365	1962.5	LTE B41	20	40620	2593	24.49	24.45

Table I-9
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	24.64	24.63
CA_12A-66A (1)	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	24.46	24.63
CA_12A-66A (2)	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	24.46	24.63
CA_25A-25A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B25	20	8365	1962.5	LTE B25	20	8590	1985	-	-	-	-	24.48	24.63
CA_48B-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B48	10	55990	3625	LTE B48	10	56089	3634.9	-	-	-	-	24.53	24.63
CA_2A-5A-5A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	24.46	24.63
CA_2C-12A-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B2	20	900	1960	LTE B12	10	5095	737.5	24.44	24.63
CA_2A-30A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B30	10	9820	2355	24.47	24.63
CA_2A-48A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B48	20	55990	3625	24.55	24.63
CA_2A-48C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B2	20	900	1960	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.55	24.63
CA_2A-66A-66A-71A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B71	20	68761	634.5	24.53	24.63
CA_2A-66C-71A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B2	20	900	1960	LTE B71	20	68761	634.5	24.57	24.63
CA_2A-66A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	24.54	24.63
CA_2A-2A-30A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	24.55	24.63
CA_2A-2A-66A-71A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B71	20	68761	634.5	24.50	24.63
CA_2C-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B30	10	702	1940.2	24.58	24.63
CA_5A-30A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	24.44	24.63
CA_5A-48A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B48	20	55990	3625	24.45	24.63
CA_5A-48C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B5	10	2525	881.5	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.46	24.63
CA_5A-66A-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	67218	2188.2	LTE B66	5	67311	2197.5	LTE B5	10	2525	881.5	24.44	24.63
CA_5A-66B-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	24.57	24.63
CA_5A-66A-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	24.45	24.63
CA_5A-66C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	24.54	24.63
CA_5A-66D	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B66	20	66552	2121.6	LTE B5	10	2525	881.5	24.54	24.63
CA_5A-5A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B5	5	2425	871.5	24.47	24.63
CA_5A-5A-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B5	10	2525	881.5	LTE B5	5	2425	871.5	24.44	24.63
CA_5A-5A-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B5	10	2525	881.5	LTE B5	5	2425	871.5	24.61	24.63
CA_12A-30A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	24.44	24.63
CA_13A-48A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B13	10	5230	751	LTE B48	20	55990	3625	24.43	24.63
CA_13A-48A-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B13	10	5230	751	LTE B48	20	55990	3625	24.44	24.63
CA_13A-48C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B13	10	5230	751	LTE B48	20	55990	3625	24.45	24.63
CA_13A-48C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B13	10	5230	751	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.45	24.63
CA_14A-30A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B14	10	5330	763	LTE B30	10	9820	2355	24.44	24.63
CA_14A-66A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B66	20	67236	2190	LTE B14	10	5330	763	24.46	24.63
CA_29A-30A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	24.44	24.63
CA_30A-66A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66536	2120	LTE B66	20	67236	2190	LTE B30	10	9820	2355	24.48	24.63
CA_48A-48A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B48	20	55990	3625	LTE B48	20	55340	3560	24.55	24.63
CA_48A-48A-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B48	20	55990	3625	LTE B48	20	55340	3560	24.51	24.63
CA_48A-48C-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B48	20	55990	3625	LTE B48	20	55340	3560	24.59	24.63
CA_48C-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.56	24.63
CA_48A-48C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B48	20	55990	3625	LTE B48	20	55340	3560	LTE B48	20	55538	3579.8	24.55	24.63
CA_5A-5A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	24.60	24.63
CA_5B-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	24.59	24.63
CA_2A-5B-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B2	20	900	1960	LTE B5	10	2525	881.5	24.54	24.63
CA_2A-5B-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B2	20	900	1960	LTE B5	10	2525	881.5	24.54	24.63
CA_2A-12B-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	5	5095	737.5	24.53	24.63
CA_2A-13A-66A-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B2	20	900	1960	24.51	24.63
CA_2A-13A-66B-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B66	20	67236	2190	LTE B2	20	900	1960	24.48	24.63
CA_2A-13A-66C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B2	20	900	1960	24.51	24.63
CA_2A-13A-66C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B66	20	67236	2190	LTE B2	20	900	1960	24.54	24.63
CA_2A-48D-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B2	20	900	1960	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.57	24.63
CA_2A-2A-5A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	24.55	24.63
CA_2A-2A-5A-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B2	20	900	1960	LTE B2	20	700	1940	24.60	24.63
CA_2A-2A-5A-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B2	20	900	1960	LTE B2	20	700	1940	24.56	24.63
CA_2A-2A-5A-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	24.55	24.63
CA_2A-2A-7A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	24.57	24.63
CA_2A-2A-12A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	5	5095	737.5	24.53	24.63
CA_2A-2A-12A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	5	5095	737.5	24.53	24.63
CA_2A-2A-13A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	24.51	24.63
CA_2A-2A-13A-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B2	20	900	1960	LTE B2	20	700	1940	24.50	24.63
CA_2A-2A-14A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	24.54	24.63
CA_2A-2A-29A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	24.55	24.63
CA_2A-2A-66A-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B2	20	900	1960	24.59	24.63
CA_2A-2A-66B-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B66	20	67236	2190	LTE B2	20	900	1960	24.62	24.63
CA_2A-2A-66A-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B2	20	900	1960	24.59	24.63
CA_2A-2A-66C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B66	20	67236	2190	LTE B2	20	900	1960	24.59	24.63
CA_5A-48D-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B5	10	2525	881.5	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.46	24.63
CA_5B-30A-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	24.48	24.63
CA_5B-66A-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B5	10	2525	881.5	24.47	24.63
CA_5B-66B-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	24.48	24.63
CA_5B-66A-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	24.48	24.63
CA_5B-66C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	24.59	24.63
CA_13A-48D-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B13	10	5230	751	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.45	24.63
CA_48A-48D-66B	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	15	66693	2135.7	LTE B48	20	55990	3625	LTE B48	20	55340	3560	24.61	24.63
CA_48A-48C-66C	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B66	20	66669	2133.3	LTE B48	20	55990	3625	LTE B48	20	55340	3560	24.60	24.63
CA_48A-48D-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B48	20	55990	3625	LTE B48	20	56640	3690	LTE B48	20	56442	3670.2	24.58	24.63
CA_48C-48C-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B48	20	55340	3560	24.56	24.63
CA_48E-66A	LTE B66	5	132322	1745	QPSK	1	0	66786	2145	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B48	20	56386	3664.6	24.55	24.63

I.2.8 LTE Band 2 as PCC

Table I-10
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
										SCC 1				**SCC 2**				**SCC 3**				**Power**	
CA_2A-4A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	24.42	24.40
CA_2A-12A (1)	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	24.41	24.40
CA_2A-13A (2)	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	24.40	24.40
CA_2A-26A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B26	15	8865	876.5	-	-	-	-	-	-	-	-	24.34	24.40
CA_2A-29A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	24.18	24.40
CA_2A-29A (2)	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	24.18	24.40
CA_2A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	24.27	24.40
CA_2A-4A-13A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	-	-	-	-	24.33	24.40
CA_2A-4A-29A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	24.32	24.40
CA_2A-4A-30A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	-	-	-	-	24.35	24.40
CA_2A-5A-48A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B5	10	2525	881.5	LTE B48	20	55990	3625	-	-	-	-	24.30	24.40
CA_2A-13A-48A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B13	10	5230	751	LTE B48	20	55990	3625	-	-	-	-	24.34	24.40
CA_2A-48A-48A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B48	20	55990	3625	LTE B48	20	56640	3690	-	-	-	-	24.31	24.40
CA_2A-4A-5B	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	24.31	24.40
CA_2A-4A-12B	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B4	20	2175	2132.5	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	24.33	24.40
CA_2A-4A-4A-5A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	24.38	24.40
CA_2A-4A-4A-12A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	24.33	24.40
CA_2A-5A-48C	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B5	10	2525	881.5	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.35	24.40
CA_2A-5A-5A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2425	871.5	LTE B66	20	66786	2145	24.31	24.40
CA_2A-5B-30A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	24.37	24.40
CA_2A-12A-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	24.28	24.40
CA_2A-12A-66C	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	24.36	24.40
CA_2A-13A-48C	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B13	10	5230	751	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.35	24.40
CA_2A-30A-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	24.31	24.40
CA_2A-48A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B66	20	66786	2145	24.39	24.40
CA_2A-48A-48C	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B48	20	55990	3625	LTE B48	20	56640	3690	LTE B48	20	56442	3670.2	24.38	24.40
CA_2A-66A-66A-71A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	LTE B71	20	68761	634.5	24.38	24.40
CA_2A-66C-71A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	LTE B71	20	68761	634.5	24.30	24.40
CA_2A-66A-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B66	20	66786	2145	LTE B66	20	66536	2120	LTE B66	20	67236	2190	24.37	24.40
CA_2A-2A-4A-5A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	24.34	24.40
CA_2A-2A-4A-12A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	24.37	24.40
CA_2A-2A-4A-71A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B71	20	68761	634.5	24.35	24.40
CA_2A-2A-4A-4A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	24.36	24.40
CA_2A-2A-2A-30A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	24.37	24.40
CA_2A-2A-12A-30A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	24.35	24.40
CA_2A-2A-12A-12A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B12	5	5095	737.5	LTE B12	5	5035	731.5	24.31	24.40
CA_2A-2A-14A-30A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	LTE B30	10	9820	2355	24.38	24.40
CA_2A-2A-30A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	LTE B66	20	66786	2145	24.38	24.40
CA_2A-2A-66A-71A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B71	20	68761	634.5	24.36	24.40
CA_2C-5A-30A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	783	1948.3	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	24.32	24.40
CA_2C-5B	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	783	1948.3	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	24.34	24.40
CA_2C-12A-30A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	783	1948.3	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	24.35	24.40
CA_2C-29A-30A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	783	1948.3	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	24.38	24.40
CA_2C-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	783	1948.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	24.34	24.40
CA_2A-5A-48D	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B5	10	2525	881.5	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.33	24.40
CA_2A-5A-5A-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2425	871.5	LTE B66	20	66786	2145	24.33	24.40
CA_2A-5B-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	24.35	24.40
CA_2A-5B-66B	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	24.35	24.40
CA_2A-5B-66C	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	15	66786	2145	24.33	24.40
CA_2A-12B-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	LTE B66	20	66786	2145	24.32	24.40
CA_2A-13A-48D	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B13	10	5230	751	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	24.34	24.40
CA_2A-13A-66A-66B	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67168	2183.2	24.32	24.40
CA_2A-13A-66A-66C	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	24.31	24.40
CA_2A-13A-66D	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	24.34	24.40
CA_2A-48D-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B66	20	66786	2145	24.33	24.40
CA_2A-48A-48D	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B48	20	55990	3625	LTE B48	20	56640	3690	LTE B48	20	56442	3670.2	24.33	24.40
CA_2A-48C-48C	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B48	20	55340	3560	24.32	24.40
CA_2A-48E	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B48	20	55386	3664.6	24.35	24.40
CA_2A-2A-5A-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	24.34	24.40
CA_2A-2A-5A-66B	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	24.35	24.40
CA_2A-2A-5A-66C	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	24.32	24.40
CA_2A-2A-5B-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	24.35	24.40
CA_2A-2A-12A-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	24.33	24.40
CA_2A-2A-12B-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	24.31	24.40
CA_2A-2A-13A-66B	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B13	10	5230	751	LTE B66	15	66786	2145	24.34	24.40
CA_2A-2A-14A-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	24.34	24.40
CA_2A-2A-29A-66A-66A	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	24.33	24.40
CA_2A-2A-66A-66B	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	24.31	24.40
CA_2A-2A-66A-66C	LTE B2	5	18900	1880	QPSK	1	12	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	24.33	24.40
CA_2C-5B-30A	LTE B2	5	19100	1900	256QAM	1	12	1100	1980	LTE B2	10	902	1960.2	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	24.36	24.40

I.2.9 LTE Band 25 as PCC

Table I-11
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
										SCC 1				**SCC 2**				**SCC 3**				**Power**	
CA_5A-25A	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	24.50	24.51
CA_12A-25A	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	24.49	24.51
CA_25A-25A-66A	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	LTE B25	20	8590	1985	LTE B66	20	66786	2145	-	-	-	-	24.42	24.51
CA_25A-25A-25A	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	LTE B25	20	8590	1985	LTE B25	20	8140	1940	-	-	-	-	24.41	24.51
CA_25A-26A-41C	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	LTE B26	15	8865	876.5	LTE B41	20	40620	2593	LTE B41	20	40422	2573.2	24.52	24.51
CA_25A-25A-26A-41A	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	LTE B25	20	8590	1985	LTE B26	5	8865	876.5	LTE B41	20	40620	2593	24.50	24.51
CA_25A-41E	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	LTE B41	20	40422	2573.2	LTE B41	20	40620	2593	LTE B41	20	40620	2593	24.47	24.51
CA_25A-25A-26A-41C	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	LTE B25	20	8590	1985	LTE B26	10	8865	876.5	LTE B41	20	40620	2593	24.41	24.51
CA_25A-25A-41D	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	LTE B25	20	8590	1985	LTE B41	20	40422	2573.2	LTE B41	20	40620	2593	24.39	24.51

I.2.10 LTE Band 30 as PCC

Table I-12
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
										SCC 1				SCC 2				SCC 3				Power	
CA_2A-4A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	22.08	22.11
CA_2A-5B-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3	22.09	22.11
CA_2A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.02	22.11
CA_2A-2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	22.04	22.11
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	22.05	22.11
CA_2A-2A-14A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	22.04	22.11
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	22.05	22.11
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	22.03	22.11
CA_2C-5A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	LTE B5	10	2525	881.5	22.06	22.11
CA_2C-12A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	LTE B12	10	5095	737.5	22.06	22.11
CA_2C-29A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	LTE B29	10	9716	722.5	22.06	22.11
CA_4A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	22.04	22.11
CA_4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	22.08	22.11
CA_4A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B29	10	9715	722.5	22.07	22.11
CA_5A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.05	22.11
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.06	22.11
CA_14A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.06	22.11
CA_29A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.06	22.11
CA_30A-66A-66A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B66	20	66786	2145	LTE B66	20	66536	2120	LTE B66	20	67236	2190	22.08	22.11
CA_2C-5B-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	LTE B5	10	2525	881.5	22.06	22.11
CA_4A-4A-5B-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	22.08	22.11
CA_5B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2190	22.13	22.11

I.2.11 LTE Band 41 as PCC

Table I-13
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
										SCC 1				SCC 2				SCC 3				Power	
CA_41A-48A	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B48	20	55990	3625	-	-	-	-	-	-	-	-	24.47	24.50
CA_41A-48C	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	-	-	-	-	24.46	24.50
CA_41A-41A-41A	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B41	20	39750	2506	LTE B41	20	40620	2593	-	-	-	-	24.45	24.50
CA_41A-48D	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B48	20	55990	3625	LTE B48	20	56188	3644.8	LTE B48	20	56386	3664.6	24.46	24.50
CA_41A-41A-41C	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B41	20	39750	2506	LTE B41	20	40620	2593	LTE B41	20	40422	2573.2	24.44	24.50
CA_41A-41D	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B41	20	40146	2545.6	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	24.48	24.50
CA_41D-41A	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B41	20	41148	2645.8	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	24.54	24.50
CA_41C-41C	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B41	20	41346	2665.6	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	24.48	24.50
CA_41E	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	LTE B41	20	41292	2660.2	LTE B41	20	41094	2640.4	LTE B41	20	40896	2620.6	24.47	24.49
CA_41C-41D	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B41	20	41346	2665.6	LTE B41	20	40146	2545.6	LTE B41	20	39948	2525.8	24.52	24.50
CA_41D-41C	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B41	20	41346	2665.6	LTE B41	20	41148	2645.8	LTE B41	20	39948	2525.8	24.55	24.50
CA_41F	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	LTE B41	20	41346	2665.6	LTE B41	20	41148	2645.8	LTE B41	20	40950	2626	24.49	24.50

I.2.12 LTE Band 48 as PCC

Table I-14
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 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 DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
										SCC 1				SCC 2				SCC 3				Power	
CA_48B	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	LTE B48	10	56124	3638.4	-	-	-	-	-	-	-	-	20.54	20.52
CA_48A-48A-48A	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	LTE B48	20	55340	3560	LTE B48	20	55990	3625	-	-	-	-	20.55	20.52
CA_48C-48C	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	LTE B48	20	56079	3633.9	LTE B48	20	55881	3614.1	-	-	-	-	20.51	20.52
CA_48C-48C	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	LTE B48	20	56079	3633.9	LTE B48	20	55340	3560	LTE B48	20	55538	3579.8	20.46	20.52
CA_48A-48E	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	LTE B48	20	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	55736	3599.6	20.56	20.52
CA_48E-48A	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	LTE B48	20	56079	3633.9	LTE B48	20	55881	3614.1	LTE B48	20	55629	3588.9	20.52	20.52
CA_48C-48D	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	LTE B48	20	56079	3633.9	LTE B48	20	55340	3560	LTE B48	20	55538	3579.8	20.53	20.52
CA_48D-48C	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	LTE B48	20	56079	3633.9	LTE B48	20	55881	3614.1	LTE B48	20	56640	3690	20.50	20.52
CA_48F	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	LTE B48	20	56079	3633.9	LTE B48	20	55881	3614.1	LTE B48	20	55683	3594.3	20.49	20.52

I.3   DL CA with DL 4x4 MIMO RF Conduction Powers

This device supports downlink 4x4 MIMO operations for some LTE bands. Uplink transmission is limited to a single output stream. When carrier aggregation was applicable, the general test selection and setup procedures described in Section I.1 were applied.

Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum average output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

I.3.1   LTE 4x4 MIMO DL Standalone Powers

Table I-15
Maximum Output Powers

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Target Power [dBm]
66	5	132322	1745	QPSK	1	0	24.57	24.63	24.0
2	5	18900	1880	QPSK	1	12	24.31	24.40	24.0
25	5	26065	1852.5	QPSK	1	12	24.48	24.51	24.0
30	10	27710	2310	QPSK	1	25	22.05	22.11	22.0
41	10	41490	2680	QPSK	1	49	24.54	24.56	24.0
48	10	56223	3648.3	QPSK	1	25	20.45	20.52	19.6

I.3.2   LTE Band 71 as PCC

Table I-16
Maximum Output Powers

Combination	PCC									SCC 1					SCC 2					SCC 3					Power	
	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.	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_[48A]-[48A]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	55340	3560	4x4	-	-	-	-	-	24.23	24.26
CA_[48C]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	-	-	-	-	-	24.20	24.26
CA_[2A]-[4A]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	24.22	24.26
CA_[2A]-[66A]-[66A]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.19	24.26
CA_[2A]-[66C]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	24.18	24.26
CA_[2A]-[2A]-[4A]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B4	20	2175	2132.5	4x4	24.21	24.26
CA_[2A]-[66A]-[66A]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	24.19	24.26
CA_2A-[66A]-66A-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	2x2	LTE B66	20	67236	2190	2x2	24.17	24.26
CA_2A-[66A]-[66A]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.16	24.26
CA_2A-[66C]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	24.15	24.26
CA_[2A]-2A-[66A]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B66	20	66786	2145	4x4	24.13	24.26
CA_2A-2A-[4A]-71A	LTE B71	15	133297	680.5	QPSK	1	36	68761	634.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B4	20	2175	2132.5	4x4	24.17	24.26

I.3.3 LTE Band 12 as PCC

Table I-17
Maximu 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) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC1 Band	SCC1 BW [MHz]	SCC1 (DL) Ch.	SCC1 (DL) Freq. [MHz]	SCC1 DL Ant. Config.	SCC2 Band	SCC2 BW [MHz]	SCC2 (DL) Ch.	SCC2 (DL) Freq. [MHz]	SCC2 DL Ant. Config.	SCC3 Band	SCC3 BW [MHz]	SCC3 (DL) Ch.	SCC3 (DL) Freq. [MHz]	SCC3 DL Ant. Config.	SCC4 Band	SCC4 BW [MHz]	SCC4 (DL) Ch.	SCC4 (DL) Freq. [MHz]	SCC4 DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-12A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.71	24.66
CA_[4A]-12A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.70	24.66
CA_[4A]-12A (2)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.70	24.66
CA_[12A]-[25A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B25	20	8365	1962.5	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.65	24.66
CA_12A-[48A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B48	20	55990	3625	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.71	24.66
CA_12A-[66A] (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.65	24.66
CA_12A-[66A] (2)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.65	24.66
CA_12A-[48C]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	-	-	-	-	-	-	-	-	-	-	24.68	24.66
CA_[2A]-[4A]-12B	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	20	5107	738.7	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	24.67	24.66
CA_[2A]-[4A]-[4A]-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	-	-	-	-	-	24.70	24.66
CA_[2A]-12A-[66C]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	-	-	-	-	-	24.69	24.66
CA_[2A]-[2A]-12A-12A	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B2	5	5155	743.5	2x2	LTE B2	20	900	1960	4x4	LTE B12	20	700	1940	4x4	-	-	-	-	-	24.62	24.64
CA_[4A]-[4A]-12A-30A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	LTE B30	10	9820	2355	2x2	-	-	-	-	-	24.69	24.64
CA_[4A]-[4A]-12A-12A	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	5	5155	743.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	-	-	-	-	-	24.65	24.64
CA_[4A]-[4A]-12B	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	10	5107	738.7	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	-	-	-	-	-	24.62	24.64
CA_12A-[30A]-[66A]-[66A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B30	10	9820	2355	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	24.67	24.66
CA_12A-[48D]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	LTE B48	20	56386	3664.6	4x4	-	-	-	-	-	24.64	24.66
CA_[2A]-12A-66C	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	2x2	LTE B66	20	66984	2164.8	2x2	-	-	-	-	-	24.66	24.66
CA_2A-[4A]-12B	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	10	5107	738.7	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	24.63	24.66
CA_2A-[4A]-[4A]-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	-	-	-	-	-	24.67	24.66
CA_2A-[66C]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	-	-	-	-	-	24.69	24.66
CA_[2A]-2A-12A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	24.67	24.66
CA_[2A]-2A-12A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B12	20	700	1940	2x2	-	-	-	-	-	24.66	24.66
CA_[2A]-2A-12A-12A	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B2	5	5155	743.5	2x2	LTE B2	20	900	1960	4x4	LTE B12	20	700	1940	4x4	-	-	-	-	-	24.64	24.66
CA_2C-12A-[30A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	702	1940.2	4x4	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.64	24.66
CA_[2C]-12A-[30A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	702	1940.2	4x4	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.64	24.66
CA_[4A]-[4A]-12A-[30A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	2x2	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.56	24.66
CA_12A-[30A]-66A-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B30	10	9820	2355	4x4	LTE B66	20	66786	2145	2x2	LTE B66	20	67236	2190	2x2	-	-	-	-	-	24.56	24.66
CA_12A-30A-[66A]-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B30	10	9820	2355	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	24.57	24.66
CA_12A-30A-[66A]-[66A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B30	10	9820	2355	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	24.58	24.66
CA_[2A]-12B-[66A]-[66A]	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	10	5107	738.7	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.61	24.64
CA_[2A]-12B-[66A]	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	10	5107	738.7	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	24.62	24.64
CA_2A-12B-[66A]-66A	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	10	5107	738.7	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	2x2	LTE B66	20	67236	2190	2x2	24.61	24.64
CA_[2A]-12B-66A	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	10	5107	738.7	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B66	20	66786	2145	2x2	24.62	24.64
CA_[2A]-12B-[66A]-[66A]	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	10	5107	738.7	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.59	24.64
CA_[2A]-12B-[66A]	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	10	5107	738.7	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B66	20	66786	2145	4x4	24.54	24.64
CA_2A-12B-[66A]-[66A]	LTE B12	5	23035	701.5	QPSK	1	12	5035	731.5	2x2	LTE B12	10	5107	738.7	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.55	24.64

I.3.4 LTE Band 13 as PCC

Table I-18
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) 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.	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 [dBm]	LTE Single Carrier Tx Power (dBm)
CA_[2A]-13A (2)	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.27	24.31
CA_[2A]-[4A]-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	24.12	24.20
CA_[2A]-13A-[48B]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B48	20	55990	3625	2x2	-	-	-	-	-	-	-	-	-	-	24.25	24.31
CA_[4A]-[4A]-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	-	-	-	-	-	-	-	-	-	-	24.13	24.20
CA_13A-[48A]-[48A]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	-	-	-	-	24.21	24.31
CA_13A-[48B]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	10	55990	3625	4x4	LTE B48	10	56089	3634.9	4x4	-	-	-	-	-	-	-	-	-	-	24.23	24.31
CA_[2A]-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	2x2	-	-	-	-	-	-	-	-	-	-	24.11	24.20
CA_2A-13A-[48A]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B48	20	55990	3625	4x4	-	-	-	-	-	-	-	-	-	-	24.26	24.31
CA_2A-[4A]-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2	LTE B2	20	900	1960	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	24.13	24.20
CA_[2A]-13A-[48A]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	2x2	LTE B48	20	55990	3625	4x4	-	-	-	-	-	-	-	-	-	-	24.28	24.31
CA_[2A]-13A-[48C]	LTE B13	5	23230	782	QPSK	1	12	5230	751	4x4	LTE B2	20	900	1960	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	-	-	-	-	-	24.24	24.31
CA_13A-[48A]-[66A]-66A	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	24.21	24.31
CA_13A-[48A]-[66B]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B66	15	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	-	-	-	-	-	24.25	24.31
CA_13A-[48A]-[66C]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	-	-	-	-	-	24.27	24.31
CA_13A-[48C]-[66A]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	24.27	24.31
CA_13A-[48A]-[48C]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	-	-	-	-	-	24.26	24.31
CA_13A-[48A]-[66A]-66A	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B66	20	66786	2145	2x2	LTE B66	20	67236	2190	2x2	-	-	-	-	-	24.22	24.31
CA_13A-[48A]-66B	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B66	15	66786	2145	2x2	LTE B66	5	66879	2154.3	2x2	-	-	-	-	-	24.27	24.31
CA_13A-[48A]-66C	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B66	20	66786	2145	2x2	LTE B66	20	66984	2164.8	2x2	-	-	-	-	-	24.23	24.31
CA_13A-[48C]-66A	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	LTE B66	20	66786	2145	2x2	-	-	-	-	-	24.28	24.31
CA_2A-13A-[48C]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	-	-	-	-	-	24.24	24.31
CA_[2A]-13A-[48D]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B48	20	56188	3644.8	4x4	LTE B48	20	56386	3664.6	4x4	24.26	24.31
CA_[2A]-13A-[66A]-[66B]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	5	67168	2183.2	4x4	LTE B66	15	67261	2192.5	4x4	24.25	24.31
CA_[2A]-13A-[66D]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	LTE B6	20	65588	2125.2	4x4	24.23	24.31
CA_[2A]-[2A]-13A-[66A]-[66B]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	24.26	24.31
CA_13A-[48D]-[66A]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	LTE B48	20	56386	3664.6	4x4	LTE B66	20	66786	2145	4x4	24.24	24.31
CA_13A-[48C]-[48C]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	55736	3599.6	4x4	24.22	24.31
CA_13A-[48C]-[48D]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	2x2	LTE B66	15	66786	2145	2x2	LTE B66	5	66879	2154.3	2x2	LTE B48	20	56188	3644.8	4x4	24.24	24.31
CA_2A-13A-[48D]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B48	20	56188	3644.8	4x4	LTE B48	20	56386	3664.6	4x4	24.26	24.31
CA_[2A]-2A-13A-[66A]-[66A]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.27	24.31
CA_[2A]-[2A]-13A-[66A]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B66	15	66786	2145	2x2	LTE B66	5	66879	2154.3	4x4	24.23	24.31
CA_13A-[48E]	LTE B13	5	23230	782	QPSK	1	12	5230	751	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	LTE B48	20	56386	3664.6	4x4	LTE B48	20	56584	3684.4	4x4	24.26	24.31

I.3.5 LTE Band 14 as PCC

Table I-19
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) 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.	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 [dBm]	LTE Single Carrier Tx Power (dBm)
CA_[2A]-[2A]-14A-[30A]	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.07	24.16
CA_14A-[30A]-[66A]	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2	LTE B30	10	9820	2355	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	24.17	24.16
CA_14A-[66A]-[66A]-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	66536	2120	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	24.17	24.16
CA_14A-[30A]-[66A]-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2	LTE B30	10	9820	2355	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	24.15	24.16
CA_14A-[66A]-[66A]-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.17	24.16
CA_[2A]-2A-14A-[66A]	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.12	24.16
CA_[2A]-2A-14A-[66A]-[66A]	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	24.14	24.16
CA_[2A]-2A-14A-[66A]-[66A]	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.10	24.16

Table I-20
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] Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC1 Band	SCC1 BW [MHz]	SCC1 [DL] Ch.	SCC1 (DL) Freq. [MHz]	SCC1 DL Ant.	SCC2 Band	SCC2 BW [MHz]	SCC2 [DL] Ch.	SCC2 (DL) Freq. [MHz]	SCC2 DL Ant.	SCC3 Band	SCC3 BW [MHz]	SCC3 [DL] Ch.	SCC3 (DL) Freq. [MHz]	SCC3 DL Ant.	SCC4 Band	SCC4 BW [MHz]	SCC4 [DL] Ch.	SCC4 (DL) Freq. [MHz]	SCC4 DL Ant.	LTE Tx Power with DL CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]
CA_5A-[25A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B25	20	8365	1962.5	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.34	24.33
CA_5A-[41A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.33	24.48
CA_[2A]-5A-[48A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B48	20	55990	3625	4x4	-	-	-	-	-	-	-	-	-	-	24.41	24.48
CA_5A-5A-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2450	874	2x2	LTE B66	20	66786	2145	2x2	-	-	-	-	-	-	-	-	-	-	24.41	24.48
CA_[2A]-5A-48A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B48	20	55990	3625	2x2	-	-	-	-	-	-	-	-	-	-	24.40	24.48
CA_2A-5A-[48A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	2x2	LTE B48	20	55990	3625	4x4	-	-	-	-	-	-	-	-	-	-	24.38	24.48
CA_[2A]-[4A]-5B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	24.35	24.48
CA_[2A]-[4A]-[4A]-5A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	-	-	-	-	-	24.33	24.48
CA_[2A]-5A-[48C]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	-	-	-	-	24.31	24.48
CA_[2A]-5A-5A-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	5	2425	871.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	24.28	24.48
CA_[2A]-5B-[30A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.32	24.48
CA_[2A]-[2A]-[4A]-5A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	24.35	24.48
CA_[2A]-[2A]-5A-[30A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	900	1960	4x4	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.35	24.48
CA_[2C]-5A-[30A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	702	1940.2	4x4	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.36	24.48
CA_[4A]-[4A]-5A-[30A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.33	24.48
CA_5A-[30A]-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B30	10	9820	2355	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	24.35	24.48
CA_5A-[48A]-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B48	20	55990	3625	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	24.36	24.48
CA_5A-[48C]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B48	20	56640	3690	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	24.37	24.48
CA_5A-[66B]-[66B]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	15	67261	2192.5	4x4	LTE B66	5	67168	2183.2	4x4	-	-	-	-	-	24.34	24.48
CA_5A-[66A]-[66C]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	LTE B66	20	66588	2125.2	4x4	-	-	-	-	-	24.33	24.48
CA_5A-[66D]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	5	2425	871.5	2x2	LTE B66	15	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	-	-	-	-	-	24.36	24.48
CA_5A-[66B]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B30	10	9820	2355	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	24.39	24.48
CA_[2A]-5A-66B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	15	66786	2145	2x2	LTE B66	5	66879	2154.3	2x2	-	-	-	-	-	24.33	24.48
CA_[2A]-5A-5A-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B48	20	55990	3625	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	24.34	24.48
CA_5A-[48C]-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	15	67261	2192.5	2x2	LTE B66	20	67168	2183.2	2x2	-	-	-	-	-	24.34	24.48
CA_5A-[66A]-66B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	15	67236	2190	2x2	LTE B66	20	67038	2170.2	2x2	-	-	-	-	-	24.33	24.48
CA_2A-[4A]-5B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	24.36	24.48
CA_2A-5A-[48C]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	2x2	LTE B48	20	56640	3690	4x4	LTE B4	20	2350	2150	4x4	-	-	-	-	-	24.33	24.48
CA_2A-5A-5A-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	5	2425	871.5	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	24.30	24.48
CA_2A-5B-[30A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	2x2	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.32	24.48
CA_[2A]-2A-[4A]-5A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	900	1960	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	24.28	24.48
CA_[2A]-2A-5A-[30A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B48	20	56640	3690	2x2	LTE B4	20	56442	3670.2	2x2	-	-	-	-	-	24.42	24.48
CA_[2A]-5B-30A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	2x2	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.28	24.48
CA_2A-5A-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	2x2	-	-	-	-	-	24.32	24.48
CA_2A-5B-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B48	20	55990	3625	4x4	LTE B66	20	56386	3664.6	4x4	LTE B48	20	56386	3664.6	4x4	24.31	24.48
CA_[2A]-5A-5A-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	5	2425	871.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.31	24.48
CA_[2A]-5B-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B66	15	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	24.37	24.48
CA_[2A]-5B-[66B]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	24.37	24.48
CA_[2A]-[2A]-5A-[66C]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	24.40	24.48
CA_[2A]-[2A]-5B-[66C]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	24.40	24.48
CA_[2C]-5B-[30A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	702	1940.2	4x4	LTE B30	10	9820	2355	4x4	24.42	24.48
CA_5A-[7C]-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B7	20	3100	2655	4x4	LTE B2	20	2902	2635.2	4x4	LTE B66	20	56386	3664.6	4x4	LTE B66	20	66786	2145	4x4	24.35	24.48
CA_5A-[48D]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B48	20	55990	3625	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	56386	3664.6	4x4	LTE B66	20	66786	2145	4x4	24.35	24.48
CA_5B-[30A]-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B30	10	9820	2355	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	LTE B66	20	67236	2190	4x4	24.45	24.48
CA_5B-[66A]-[66C]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	5	2425	871.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67038	2170.2	4x4	LTE B66	20	67236	2190	4x4	24.40	24.48
CA_[2A]-5A-5A-[66A]-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	2x2	LTE B66	20	67236	2190	2x2	24.39	24.48
CA_[2A]-5B-66B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	900	1960	4x4	LTE B66	15	66786	2145	2x2	LTE B66	5	66879	2154.3	2x2	24.37	24.48
CA_[2A]-5A-66C	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	2x2	LTE B66	20	66984	2164.8	2x2	24.36	24.48
CA_[2A]-2A-5A-66B	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	2x2	24.36	24.48
CA_5A-[48D]-[66A]-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	LTE B48	20	56386	3664.6	2x2	LTE B66	20	66786	2145	2x2	24.37	24.48
CA_5A-[48D]-[66A]-66A	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	5	2425	871.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	LTE B66	20	67236	2190	2x2	24.33	24.48
CA_2A-5B-[66B]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	2x2	LTE B66	15	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	24.31	24.48
CA_2A-[66B]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	24.31	24.48
CA_2A-5A-[48D]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	5	2425	871.5	2x2	LTE B48	20	55990	3625	2x2	LTE B66	20	67236	2190	2x2	LTE B66	20	67236	2190	2x2	24.31	24.48
CA_2A-5A-5A-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	2x2	LTE B66	15	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	24.36	24.48
CA_[2A]-5B-[66B]-[66B]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	24.36	24.48
CA_[2A]-2A-5A-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	24.40	24.48
CA_[2A]-5B-[66B]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B66	15	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	24.36	24.48
CA_[2A]-5B-[66B]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	24.36	24.48
CA_[2A]-5B-[66C]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	5	2425	871.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	24.36	24.48
CA_[2A]-2A-5A-[66A]-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	LTE B66	5	66879	2154.3	4x4	24.37	24.48
CA_[2A]-2A-5A-[66A]-[66B]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66984	2164.8	4x4	24.35	24.48
CA_2A-2A-5B-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B30	10	9820	2355	4x4	24.40	24.48
CA_2C-5B-[66A]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	702	1940.2	2x2	LTE B30	10	9820	2355	4x4	-	-	-	-	-	24.40	24.48
CA_2A-5B-[66C]	LTE B5	5	20525	836.5	QPSK	1	12	2525	881.5	2x2	LTE B5	10	2453	874.3	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	2x2	LTE B66	20	66984	2164.8	4x4	24.37	24.48

I.3.7 LTE Band 26 as PCC

Table I-21
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) 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.	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 (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-26A	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B2	20	900	1960	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.41	24.45
CA_[2A]-26A-[66A]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	24.41	24.45
CA_[25A]-26A-[41A]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B25	20	8365	1962.5	4x4	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	24.38	24.45
CA_26A-[41C]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B41	20	40620	2593	4x4	LTE B41	20	40422	2573.2	4x4	-	-	-	-	-	-	-	-	-	-	24.46	24.45
CA_[2A]-26A-66A	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	2x2	-	-	-	-	-	-	-	-	-	-	24.41	24.45
CA_2A-26A-[66A]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	24.37	24.45
CA_[25A]-26A-[41C]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B25	20	8365	1962.5	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40818	2612.8	4x4	-	-	-	-	-	24.45	24.45
CA_26A-[41D]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B41	20	40422	2573.2	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40818	2612.8	4x4	-	-	-	-	-	24.47	24.45
CA_25A-26A-[41C]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B25	20	8365	1962.5	2x2	LTE B41	20	40620	2593	4x4	LTE B41	20	40422	2573.2	4x4	-	-	-	-	-	24.45	24.45
CA_[25A]-26A-41C	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B25	20	8365	1962.5	4x4	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	2x2	-	-	-	-	-	24.46	24.45
CA_[25A]-26A-[41D]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B25	15	8365	1962.5	4x4	LTE B41	20	40422	2573.2	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40818	2612.8	4x4	24.40	24.45
CA_[25A]-[25A]-26A-[41C]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B25	20	8140	1940	4x4	LTE B25	20	8365	1962.5	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	2x2	24.44	24.45
CA_25A-25A-26A-[41C]	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B25	20	8140	1940	2x2	LTE B25	20	8365	1962.5	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40422	2573.2	4x4	0.00	24.45
CA_[25A]-[25A]-26A-41C	LTE B26	5	27015	846.5	QPSK	1	12	9015	891.5	2x2	LTE B25	20	8140	1940	4x4	LTE B25	20	8365	1962.5	4x4	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	2x2	0.00	24.45

FCC ID: C3K2077	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Computing Device		APPENDIX I: Page 14 of 18

I.3.8   LTE Band 66 as PCC

Table I-22
Maximum Output Powers

I.3.9 LTE Band 2 as PCC

Table I-23
Maximum Output Powers

FCC ID: C3K2077

SAR EVALUATION REPORT

Approved by:
Technical Manager

DUT Type: Portable Computing Device

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Table I-24
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) 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.	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 (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[25A]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.43	24.51
CA_12A-[25A]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B12	10	5095	737.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.44	24.51
CA_[25A]-26A-[41A]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B26	15	8865	876.5	2x2	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	24.47	24.51
CA_[25A]-[25A]-[66A]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B25	20	8590	1985	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	24.45	24.51
CA_[25A]-[25A]-[25A]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B25	20	8590	1985	4x4	LTE B25	20	8140	1940	4x4	-	-	-	-	-	-	-	-	-	-	24.44	24.51
CA_[25A]-[25A]-66A	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B25	20	8590	1985	4x4	LTE B66	20	66786	2145	2x2	-	-	-	-	-	-	-	-	-	-	24.43	24.51
CA_25A-25A-25A	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B25	20	8590	1985	2x2	LTE B25	20	8140	1940	2x2	-	-	-	-	-	-	-	-	-	-	24.46	24.51
CA_25A-[25A]-25A	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	2x2	LTE B25	20	8590	1985	4x4	LTE B25	20	8140	1940	2x2	-	-	-	-	-	-	-	-	-	-	24.41	24.51
CA_25A-[25A]-25A	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	2x2	LTE B25	20	8590	1985	4x4	LTE B25	20	8140	1940	2x2	-	-	-	-	-	-	-	-	-	-	24.40	24.51
CA_[25A]-[25A]-[25A]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B25	20	8590	1985	4x4	LTE B25	20	8140	1940	4x4	-	-	-	-	-	-	-	-	-	-	24.44	24.51
CA_[25A]-26A-[41C]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B26	15	8865	876.5	2x2	LTE B41	20	40620	2593	4x4	LTE B41	20	40422	2573.2	4x4	-	-	-	-	-	24.46	24.51
CA_25A-26A-[41C]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B26	15	8865	876.5	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	4x4	-	-	-	-	-	24.46	24.51
CA_[25A]-26A-41C	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B26	15	8865	876.5	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	2x2	-	-	-	-	-	24.44	24.51
CA_[25A]-26A-[41D]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B26	15	8865	876.5	2x2	LTE B41	20	40422	2573.2	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40818	2612.8	4x4	24.46	24.51
CA_[25A]-[41E]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40422	2573.2	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40818	2612.8	4x4	24.45	24.51
CA_[25A]-26A-41D	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B26	15	8865	876.5	2x2	LTE B41	20	40422	2573.2	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40818	2612.8	2x2	24.47	24.51
CA_[25A]-41E	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40818	2612.8	2x2	24.43	24.51
CA_25A-25A-26A-41C	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B25	20	8590	1985	2x2	LTE B26	15	8865	876.5	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	2x2	24.41	24.51
CA_25A-[25A]-26A-41C	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	2x2	LTE B25	20	8590	1985	4x4	LTE B26	15	8865	876.5	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	2x2	24.43	24.51
CA_25A-[25A]-41D	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	2x2	LTE B25	20	8590	1985	4x4	LTE B41	20	40422	2573.2	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40818	2612.8	2x2	24.40	24.51
CA_25A-26A-[41D]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	2x2	LTE B26	15	8865	876.5	2x2	LTE B41	20	40422	2573.2	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40818	2612.8	4x4	24.42	24.51
CA_25A-25A-26A-[41C]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B26	15	8865	876.5	2x2	LTE B41	20	40620	2593	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40422	2573.2	4x4	24.40	24.51
CA_25A-25A-[41D]	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	2x2	LTE B25	20	8590	1985	4x4	LTE B41	20	40422	2573.2	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40818	2612.8	2x2	24.41	24.51
CA_[25A]-[25A]-26A-41C	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B25	20	8590	1985	4x4	LTE B26	15	8865	876.5	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	2x2	24.43	24.51
CA_[25A]-41E	LTE B25	5	26065	1852.5	QPSK	1	12	8065	1932.5	4x4	LTE B41	20	40620	2593	2x2	LTE B41	20	40422	2573.2	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	40818	2612.8	2x2	24.48	24.51

I.3.11 LTE Band 30 as PCC

Table I-25
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] 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.	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 (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2A]-[4A]-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	22.12	22.11
CA [30A]-66A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	-	-	-	-	-	22.07	22.11
CA 30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	-	-	-	-	-	22.10	22.11
CA [2A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	2x2	LTE B4	20	2175	2132.5	2x2	-	-	-	-	-	-	-	-	-	-	22.09	22.11
CA 2A-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	2x2	LTE B4	20	2175	2132.5	2x2	-	-	-	-	-	-	-	-	-	-	22.06	22.11
CA 2A-4A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	2x2	LTE B4	20	2175	2132.5	2x2	-	-	-	-	-	-	-	-	-	-	22.05	22.11
CA [2A]-4A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	2x2	LTE B4	20	2175	2132.5	2x2	-	-	-	-	-	-	-	-	-	-	22.03	22.11
CA [2A]-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	22.07	22.11
CA 2A-[4A]-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	22.04	22.11
CA 30A-[66A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	-	-	-	-	-	22.04	22.11
CA [2A]-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B5	10	2525	881.5	2x2	LTE B66	20	2453	874.3	2x2	-	-	-	-	-	22.05	22.11
CA [2A]-30A-[66A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	22.03	22.11
CA [2A]-[2A]-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	22.07	22.11
CA [2A]-[2A]-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B12	10	5095	737.5	2x2	-	-	-	-	-	22.02	22.11
CA [2A]-[2A]-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B14	10	5330	763	2x2	-	-	-	-	-	22.02	22.11
CA [2A]-[2A]-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B29	10	9715	722.5	2x2	-	-	-	-	-	22.02	22.11
CA [2A]-[2A]-[30A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	22.02	22.11
CA [2C]-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	702	1940.2	4x4	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	22.06	22.11
CA [2C]-12A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	702	1940.2	4x4	LTE B12	10	5095	737.5	2x2	-	-	-	-	-	22.08	22.11
CA [2C]-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	702	1940.2	4x4	LTE B29	10	9716	722.5	2x2	-	-	-	-	-	22.05	22.11
CA [4A]-[4A]-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	22.03	22.11
CA [4A]-[4A]-12A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	LTE B12	10	1085	737.5	2x2	-	-	-	-	-	22.06	22.11
CA [4A]-[4A]-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	LTE B29	10	9715	722.5	2x2	-	-	-	-	-	22.05	22.11
CA 5A-[30A]-[66A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B5	10	2525	881.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	22.08	22.11
CA 5B-[30A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B5	10	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	22.05	22.11
CA 12A-[30A]-[66A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B12	10	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	22.02	22.11
CA 14A-[30A]-[66A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B14	10	5330	763	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	22.07	22.11
CA 29A-[30A]-[66A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B29	10	9715	722.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	22.05	22.11
CA [30A]-[66A]-[66A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66536	2120	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	22.08	22.11
CA 2A-30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	22.03	22.11
CA [2A]-2A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B66	20	66786	2145	2x2	-	-	-	-	-	22.03	22.11
CA 5A-[30A]-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B5	10	2525	881.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	22.12	22.11
CA 12A-[30A]-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B12	10	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	22.02	22.11
CA 14A-[30A]-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B14	10	5330	763	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	22.02	22.11
CA 29A-[30A]-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B29	10	9715	722.5	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	2x2	-	-	-	-	-	22.01	22.11
CA [30A]-[66A]-66A-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	66786	2145	2x2	LTE B66	20	67236	2190	2x2	-	-	-	-	-	21.99	22.11
CA 2A-30A-[66A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	2x2	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	-	-	-	-	-	22.03	22.11
CA [2A]-2A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	22.03	22.11
CA [2A]-2A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B12	10	5095	737.5	2x2	-	-	-	-	-	22.01	22.11
CA [2A]-2A-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B14	10	5330	763	2x2	-	-	-	-	-	22.00	22.11
CA [2A]-2A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B29	10	9715	722.5	2x2	-	-	-	-	-	22.00	22.11
CA [2A]-[2A]-[30A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	-	-	-	-	-	22.02	22.11
CA 2C-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	2x2	LTE B2	20	702	1940.2	2x2	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	22.07	22.11
CA 2C-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	2x2	LTE B2	20	702	1940.2	2x2	LTE B12	10	5095	737.5	2x2	-	-	-	-	-	22.02	22.11
CA 2C-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	2x2	LTE B2	20	702	1940.2	2x2	LTE B29	10	9716	722.5	2x2	-	-	-	-	-	22.03	22.11
CA [2A]-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B5	10	2525	881.5	2x2	LTE B5	5	2453	874.3	2x2	-	-	-	-	-	22.05	22.11
CA [4A]-[4A]-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	LTE B12	10	1085	737.5	2x2	-	-	-	-	-	22.06	22.11
CA 4A-4A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	LTE B29	10	9715	722.5	2x2	-	-	-	-	-	22.07	22.11
CA [4A]-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	20	2350	2150	4x4	LTE B29	10	9715	722.5	2x2	-	-	-	-	-	22.04	22.11
CA [2A]-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B29	10	9715	722.5	2x2	-	-	-	-	-	22.03	22.11
CA [2A]-[2A]-29A-30A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	2350	2150	4x4	LTE B29	10	9715	722.5	2x2	-	-	-	-	-	22.06	22.11
CA 12A-[30A]-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B12	10	5095	737.5	2x2	LTE B66	20	66786	2145	2x2	LTE B66	20	67236	2190	4x4	-	-	-	-	-	22.02	22.11
CA 12A-30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	2x2	LTE B12	10	5095	737.5	2x2	LTE B66	20	66786	2145	2x2	LTE B66	20	67236	2190	4x4	-	-	-	-	-	22.03	22.11
CA [2C]-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	702	1940.2	4x4	LTE B5	10	2525	881.5	4x4	LTE B5	5	2453	874.3	2x2	22.05	22.11
CA [4A]-[4A]-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	LTE B5	10	2525	881.5	4x4	LTE B5	5	2453	874.3	2x2	22.06	22.11
CA 5B-[30A]-[66A]-[66A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B5	10	2525	881.5	2x2	LTE B5	5	2453	874.3	4x4	LTE B66	20	66786	2145	4x4	LTE B66	20	67236	2190	4x4	22.04	22.11
CA [2C]-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	25	9820	2355	4x4	LTE B2	20	900	1960	4x4	LTE B2	20	702	1940.2	4x4	LTE B5	10	2525	881.5	4x4	LTE B5	5	2453	874.3	2x2	22.04	22.11

I.3.12 LTE Band 41 as PCC

Table I-26
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) 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.	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 [dBm]	LTE Single Carrier Tx Power (dBm)
CA_[41A]-[48A]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B48	20	55990	3625	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.52	24.50
CA_[41A]-48A	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B48	20	55990	3625	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.51	24.50
CA_41A-[48A]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	2x2	LTE B48	20	55990	3625	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.49	24.50
CA_[41A]-[48C]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	-	-	-	-	-	-	-	-	-	-	24.45	24.50
CA_[41A]-[41A]-[41A]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	39750	2506	4x4	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	24.50	24.50
CA_41A-[41A]-41A	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	2x2	LTE B41	20	39750	2506	2x2	LTE B41	20	40620	2593	2x2	-	-	-	-	-	-	-	-	-	-	24.49	24.50
CA_41A-[41A]-41A	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	39750	2506	4x4	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	24.48	24.50
CA_41A-[41A]-[41A]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	39750	2506	4x4	LTE B41	20	40620	2593	2x2	-	-	-	-	-	-	-	-	-	-	24.51	24.50
CA_[41A]-48C	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B48	20	55990	3625	2x2	LTE B48	20	56188	3644.8	2x2	-	-	-	-	-	-	-	-	-	-	24.47	24.50
CA_41A-[48C]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	-	-	-	-	-	-	-	-	-	-	24.46	24.50
CA_[41A]-[48D]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	LTE B48	20	56386	3664.6	4x4	-	-	-	-	-	24.49	24.50
CA_[41A]-[41A]-[41C]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	40146	2545.6	4x4	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	24.50	24.50
CA_[41A]-[41D]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	4x4	LTE B41	20	41148	2645.8	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	24.51	24.50
CA_[41C]-[41C]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	4x4	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	24.50	24.50
CA_[41E]	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	4x4	LTE B41	20	41292	2660.2	4x4	LTE B41	20	41094	2640.4	4x4	LTE B41	20	40896	2620.6	4x4	-	-	-	-	-	24.45	24.49
CA_[41C]-[41A]-[41C]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	40620	2593	4x4	LTE B41	20	40422	2573.2	4x4	-	-	-	-	-	-	-	-	-	-	24.47	24.50
CA_[41A]-[41A]-41C	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	2x2	LTE B41	20	40146	2545.6	4x4	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	24.51	24.50
CA_41A-[41D]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	2x2	LTE B41	20	41148	2645.8	2x2	LTE B41	20	39750	2506	2x2	-	-	-	-	-	24.46	24.50
CA_41C-[41C]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	2x2	LTE B41	20	39948	2525.8	2x2	LTE B41	20	39750	2506	2x2	-	-	-	-	-	24.46	24.50
CA_[41C]-[48D]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	2x2	LTE B48	20	55990	3625	4x4	LTE B48	20	56188	3644.8	4x4	LTE B48	20	56386	3664.6	4x4	-	-	-	-	-	24.47	24.50
CA_[41A]-41A-41C	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	39750	2506	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	39750	2506	2x2	-	-	-	-	-	24.45	24.50
CA_41C-[41A]-41A	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	2x2	LTE B41	20	39750	2506	2x2	LTE B41	20	40620	2593	2x2	LTE B41	20	39750	2506	2x2	-	-	-	-	-	24.48	24.50
CA_[41D]-41D	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	2x2	LTE B41	20	39948	2525.8	2x2	LTE B41	20	39750	2506	2x2	-	-	-	-	-	24.51	24.50
CA_[41D]-[41A]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	2x2	LTE B41	20	41346	2665.6	2x2	LTE B41	20	41148	2645.8	2x2	LTE B41	20	39750	2506	2x2	-	-	-	-	-	24.51	24.50
CA_[41C]-41C	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	4x4	LTE B41	20	39948	2525.8	2x2	LTE B41	20	39750	2506	2x2	-	-	-	-	-	24.52	24.50
CA_[41C]-41D	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	4x4	LTE B41	20	40146	2545.6	4x4	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	24.45	24.50
CA_[41D]-[41C]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	4x4	LTE B41	20	41148	2645.8	4x4	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	24.45	24.50
CA_[41C]-41D	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	2x2	LTE B41	20	41346	2665.6	2x2	LTE B41	20	40146	2545.6	2x2	LTE B41	20	39948	2525.8	2x2	LTE B41	20	39750	2506	2x2	24.47	24.50
CA_41C-[41D]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	4x4	LTE B41	20	40146	2545.6	4x4	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	24.45	24.50
CA_[41D]-[41C]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	2x2	LTE B41	20	41346	2665.6	2x2	LTE B41	20	40146	2545.6	2x2	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	24.44	24.50
CA_[41D]-[41D]	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	4x4	LTE B41	20	41148	2645.8	4x4	LTE B41	20	39948	2525.8	2x2	LTE B41	20	39750	2506	2x2	24.47	24.50
CA_[41C]-41D	LTE B41	10	41490	2680	QPSK	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	4x4	LTE B41	20	40146	2545.6	2x2	LTE B41	20	39948	2525.8	2x2	LTE B41	20	39750	2506	2x2	24.46	24.50

I.3.13 LTE Band 48 as PCC

Table I-27
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) 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.	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 (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[41A]-[48A]	LTE B48	10	56223	3648.3	QPSK	1	0	56223	3648.3	4x4	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.52	20.52
CA_[48A]-[48A]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	55340	3560	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.46	20.52
CA_[48B]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56124	3638.4	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.48	20.52
CA_[41A]-48A	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	2x2	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.44	20.52
CA_41A-[48A]	LTE B48	10	56223	3648.3	QPSK	1	0	56223	3648.3	2x2	LTE B41	20	40620	2593	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.43	20.52
CA_[41A]-[48C]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	20.46	20.52
CA_[48A]-[48A]-[48A]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55990	3625	4x4	-	-	-	-	-	-	-	-	-	-	20.47	20.52
CA_48A-[48A]-[48A]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	55340	3560	2x2	LTE B48	20	55990	3625	2x2	-	-	-	-	-	-	-	-	-	-	20.52	20.52
CA_[48A]-48A-48A	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55990	3625	2x2	-	-	-	-	-	-	-	-	-	-	20.44	20.52
CA_[48A]-48A-48A	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	55340	3560	2x2	LTE B48	20	55990	3625	2x2	-	-	-	-	-	-	-	-	-	-	20.44	20.52
CA_[48A]-48A-71A	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	55340	3560	2x2	LTE B71	20	68761	634.5	2x2	-	-	-	-	-	-	-	-	-	-	20.43	20.52
CA_[41A]-48C	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	2x2	LTE B48	20	56079	3633.9	4x4	LTE B41	20	40620	2593	4x4	-	-	-	-	-	-	-	-	-	-	20.46	20.52
CA_41A-[48C]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B41	20	40620	2593	2x2	-	-	-	-	-	-	-	-	-	-	20.40	20.52
CA_[41A]-[48D]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B48	20	55340	3560	4x4	LTE B41	20	40620	2593	4x4	-	-	-	-	-	20.46	20.52
CA_[48C]-[48D]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B48	20	55881	3614.1	4x4	LTE B48	20	55538	3579.8	4x4	-	-	-	-	-	20.48	20.52
CA_[41A]-48D	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	2x2	LTE B48	20	56079	3633.9	2x2	LTE B48	20	55881	3614.1	4x4	LTE B48	20	40620	2593	4x4	-	-	-	-	-	20.45	20.52
CA_41A-[48D]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B48	20	55881	3614.1	4x4	LTE B48	20	40620	2593	2x2	-	-	-	-	-	20.48	20.52
CA_[48E]-[48A]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B48	20	55881	3614.1	4x4	LTE B48	20	55629	3588.9	4x4	LTE B48	20	56640	3690	4x4	20.47	20.52
CA_[48C]-[48D]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B48	20	55881	3614.1	4x4	LTE B41	20	55629	3588.9	4x4	LTE B41	20	39750	2506	4x4	20.46	20.52
CA_2A-[48D]-[66A]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B48	20	55881	3614.1	4x4	LTE B2	20	900	1960	4x4	LTE B66	20	66786	2145	4x4	20.47	20.52
CA_[48A]-48E	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	2x2	LTE B48	20	56079	3633.9	2x2	LTE B48	20	55881	3614.1	4x4	LTE B48	20	55629	3588.9	4x4	LTE B48	20	56640	3690	4x4	20.46	20.52
CA_48E-[48A]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	2x2	LTE B48	20	56079	3633.9	2x2	LTE B48	20	55881	3614.1	2x2	LTE B48	20	55629	3588.9	2x2	LTE B48	20	56640	3690	4x4	20.43	20.52
CA_[48C]-48D	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	2x2	LTE B48	20	56079	3633.9	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55538	3579.8	2x2	LTE B48	20	55736	3599.6	2x2	20.47	20.52
CA_48A-[48E]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55538	3579.8	2x2	LTE B48	20	55736	3599.6	4x4	LTE B48	20	56442	3670.2	4x4	20.47	20.52
CA_[48A]-[48E]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55629	3588.9	4x4	LTE B48	20	56640	3690	4x4	20.46	20.52
CA_[48C]-[48D]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	2x2	LTE B48	20	56079	3633.9	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55538	3579.8	4x4	LTE B48	20	55736	3599.6	4x4	20.46	20.52
CA_[48D]-[48C]	LTE B48	10	56223	3648.3	QPSK	1	25	56223	3648.3	4x4	LTE B48	20	56079	3633.9	4x4	LTE B48	20	55881	3614.1	4x4	LTE B48	20	56640	3690	2x2	LTE B48	20	56442	3670.2	2x2	20.47	20.52
CA_[48F]	LTE B48	20	56640	3690	QPSK	1	99	56640	3690	4x4	LTE B48	20	56079	3633.9	4x4	LTE B48	20	55881	3614.1	4x4	LTE B48	20	55683	3594.3	4x4	LTE B48	20	55485	3574.5	4x4	20.45	20.52

I.4 Additional Downlink Carrier Aggregation with Uplink Carrier Aggregation Enabled

This device supports uplink carrier aggregation (ULCA) with additional Carrier Aggregation configurations active in the downlink. Power measurements were performed with ULCA active and additional CA configurations active in the downlink for the configuration per Fall 2017 TCB Workshop Notes.

Per FCC Guidance, additional SAR measurements for these configurations were not required since their maximum output power was not more than 0.25 dB higher than the maximum output power for with only CA_66B, CA_66C, CA_41C, or CA_48C ULCA active.

I.4.1 Additional DL Carrier Aggregation RF Conducted Powers with Uplink Carrier Aggregation Enabled

Table I-28
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Modulation	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]	ULCA Tx.Power with add'l CA config. active on DL (dBm)	ULCA Tx Power (dBm)
CA_48C-48A	LTE B48	20	56640	3690	QPSK	1	0	56640	3690	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	LTE B48	20	55340	3560	20.37	20.35
CA_41C-41A	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	LTE B41	20	39750	2506	24.51	24.52
CA_41D	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	LTE B41	20	41094	2640.4	24.53	24.52
CA_48D	LTE B48	20	56640	3690	QPSK	1	0	56640	3690	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	LTE B48	20	56244	3650.4	20.36	20.35

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Channel	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (UL) Channel	SCC (UL) Freq. [MHz]	Modulation	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) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	ULCA Tx Power (dBm)
CA_41D-41A	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	LTE B41	20	41094	2640.4	LTE B41	20	39750	2506	24.51	24.52
CA_41E	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	LTE B41	20	41094	2640.4	LTE B41	20	40896	2620.6	24.53	24.52

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]	SCC Band	SCC BW [MHz]	SCC (UL) Channel	SCC (UL) Freq. [MHz]	Modulation	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) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	ULCA Tx Power (dBm)
CA_41F	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	LTE B41	20	41094	2640.4	LTE B41	20	40896	2620.6	LTE B41	20	40698	2600.8	24.55	24.52
CA_41C-41D	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	LTE B41	20	40146	2545.6	24.54	24.52
CA_41D-41C	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	LTE B41	20	41094	2640.4	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	24.56	24.52

I.4.2 Additional 4x4 MIMO DL Carrier Aggregation RF Conducted Powers with Uplink Carrier Aggregation Enabled

Note: 4x4 DL MIMO is only operating in the downlink. Uplink transmission is limited to a single output stream for each component carrier of ULCA.

Table I-29

FCC ID: C3K2077	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Computing Device		APPENDIX I: Page 20 of 18

Maximum Output Powers

Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	ULCA Tx.Power with add'l CA config. active on DL (dBm)	ULCA Tx Power (dBm)
CA_[41C]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	24.49	24.52
CA_[48C]	LTE B48	20	56640	3690	QPSK	1	0	56640	3690	4x4	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	4x4	20.33	20.35
CA_[66B]	LTE B66	10	132022	1715	QPSK	1	49	66486	2115	4x4	LTE B66	10	132121	1724.9	QPSK	1	0	66585	2124.9	4x4	23.81	23.86
CA_[66C]	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4	LTE B66	20	132270	1739.8	QPSK	1	0	66734	2139.8	4x4	23.85	23.84

PCC / SCC1 / SCC2

Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	SCC (DL) Channel	SCC (DL) Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	DL Ant. Config.	ULCA Tx.Power with add'l CA config. active on DL (dBm)	ULCA Tx Power (dBm)
CA_41C-[41A]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	2x2	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	2x2	LTE B41	20	39750	2506	4x4	24.52	24.52
CA_[41C]-41A	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	39750	2506	2x2	24.51	24.52
CA_[41C]-[41A]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	39750	2506	4x4	24.49	24.52
CA_[41D]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	41094	2640.4	4x4	24.53	24.52
CA_[48D]	LTE B48	20	56640	3690	QPSK	1	0	56640	3690	4x4	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	4x4	LTE B48	20	56244	3650.4	4x4	20.27	20.35
CA_[48C]-48A	LTE B48	20	56640	3690	QPSK	1	0	56640	3690	4x4	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	4x4	LTE B48	20	55340	3560	2x2	20.26	20.35
CA_48C-[48A]	LTE B48	20	56640	3690	QPSK	1	0	56640	3690	2x2	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	2x2	LTE B48	20	55340	3560	4x4	20.25	20.35
CA_[48C]-[48A]	LTE B48	20	56640	3690	QPSK	1	0	56640	3690	4x4	LTE B48	20	56442	3670.2	QPSK	1	99	56442	3670.2	4x4	LTE B48	20	55340	3560	4x4	20.26	20.35

PCC / SCC1 / SCC2 / SCC3

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 (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset / Channel	SCC (DL) Frequency [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.	ULCA Tx.Power with add'l CA config. active on DL (dBm)	ULCA Tx Power (dBm)
CA_41E	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	41094	2640.4	4x4	LTE B41	20	40896	2620.6	4x4	24.55	24.52
CA_[41D]-41A	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	41094	2640.4	2x2	LTE B41	20	39750	2506	4x4	24.53	24.52
CA_41D-[41A]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	2x2	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	2x2	LTE B41	20	41094	2640.4	2x2	LTE B41	20	39750	2506	4x4	24.53	24.52
CA_[41D]-[41A]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	41094	2640.4	4x4	LTE B41	20	39750	2506	4x4	24.51	24.52

PCC / SCC1 / SCC2 / SCC3 (four-carrier)

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 (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset / Channel	SCC (DL) Frequency [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.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	ULCA Tx.Power with add'l CA config. active on DL (dBm)	ULCA Tx Power (dBm)
CA_41C-[41D]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	2x2	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	2x2	LTE B41	20	39948	2525.8	4x4	LTE B41	20	40146	2545.6	2x2						24.46	24.52
CA_[41D]-41C	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	41094	2640.4	4x4	LTE B41	20	39948	2525.8	2x2	LTE B41	20	39750	2506	2x2	24.43	24.52
CA_[41C]-41D	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	41094	2640.4	4x4	LTE B41	20	39948	2525.8	4x4	LTE B41	20	40146	2545.6	2x2	24.45	24.52
CA_[41C]-[41D]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	2x2	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	2x2	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4						24.44	24.52
CA_[41C]-[41D]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	41094	2640.4	4x4	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	24.43	24.52
CA_[41F]	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	4x4	LTE B41	20	41094	2640.4	4x4	LTE B41	20	40698	2600.8	4x4						24.45	24.52