

FCC ID: A3LSMS928U	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX I: Page 1 of 12

handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

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

General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C)3)b)ii) of KDB 941225 D05 V01r02. All LTE bandwidth conducted powers needed for PCC uplink configuration selection can be found in 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.

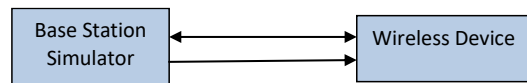


Figure I-1
DL CA Power Measurement Setup

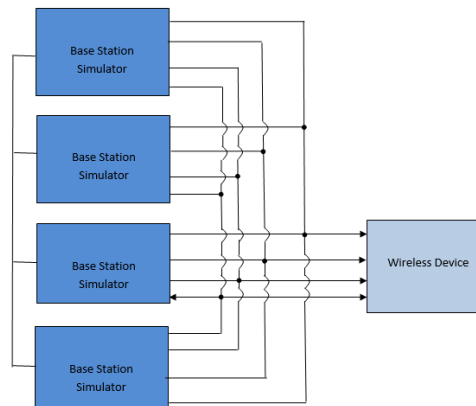


Figure I-2
DL CA with DL 4x4 MIMO Power Measurement Setup

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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. Freq. [MHz]	PCC				PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC 1			SCC 2			SCC 3			LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
				Mod.	PCC UL RB	PCC UL RB Offset	SCC BW [MHz]				SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel			SCC (DL) Freq. [MHz]	
CA 4A-4A-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	24.16	24.01
CA 4B-4B-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	LTE B4B	20	55990	3625	LTE B4B	20	56640	3650	-	-	-	-	24.00	24.01
CA 4B-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	LTE B4B	20	55990	3625	LTE B4B	20	56188	3644.8	-	-	-	-	23.95	24.01
CA 2A-2A-4A-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	24.02	24.01
CA 2A-2A-6A-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B6B	20	66786	2145	24.04	24.01
CA 2A-6A-6A-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	LTE B2	20	900	1960	LTE B6B	20	66786	2145	LTE B6B	20	67236	2190	24.16	24.01
CA 2A-6B-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	LTE B2	20	900	1960	LTE B6B	20	66786	2145	LTE B6B	20	66964	2164.8	24.14	24.01

I.2.2 LTE Band 12 as PCC

Table I-4
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch. Freq. [MHz]	PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC 1				SCC Band	SCC 2				SCC Band	SCC 3				SCC Band	SCC 4				LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
											SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC BW [MHz]		SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC BW [MHz]	SCC (DL) Channel		SCC (DL) Freq. [MHz]	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]							
CA 2A-12A (1)	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B2	20	900	1960																		
CA 4A-12A (1)	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B4	20	2175	2132.5																		
CA 4A-12A (2)	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B4	20	2175	2132.5																		
CA 12A-25A	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B25	20	8365	1902.5																		
CA 12A-6A (1)	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B6B	20	66786	2145																		
CA 12A-6A (2)	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B6B	20	66786	2145																		
CA 2A-2A-4A-12A	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5										
CA 2A-4A-4A-12A	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	20	2150	2150										
CA 2A-4A-12B	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B4	20	2175	2132.5										
CA 2A-12A-6B	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B2	20	900	1960	LTE B6B	20	66786	2145	LTE B6B	20	66964	2164.8										
CA 4A-4A-12B	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B2	10	5107	738.7	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150										
CA 2A-2A-12A-30A-6A	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	8620	2355	LTE B6B	20	66786	2145						
CA 2A-2A-12A-6A-6A	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B6B	20	66786	2145										
CA 2A-2A-12B-6A	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B6B	20	66786	2145										
CA 2A-12A-30A-6A-6A	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B2	20	900	1960	LTE B30	10	8620	2355	LTE B6B	20	66786	2145										
CA 2A-12B-6A-6A	LTE B12	5	23035	701.5	QPSK	1	0	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B6B	20	66786	2145										

I.2.3 LTE Band 13 as PCC

Table I-5
Maximum Output Powers

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch. Freq. [MHz]	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]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 2A-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	24.06	-	-	-	24.05	23.87	
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	-	-	-	-	24.05	-	-	-	24.05	23.87	
CA 13A-4B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4B	20	55990	3625	LTE B4B	20	56999	3634.9	-	-	-	-	23.93	-	-	-	23.93	23.87	
CA 2A-13A-4B-6A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B4B	20	55990	3625	LTE B6B	20	66786	2145	-	-	-	-	24.06	23.87	
CA 2A-13A-6B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B6B	15	66786	2145	LTE B6B	5	66979	2154.9	-	-	-	-	24.06	23.87	
CA 2A-13A-6B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B6B	20	66786	2145	LTE B6B	20	66980	2164.8	-	-	-	-	24.01	23.87	
CA 13A-4B-6B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4B	20	55990	3625	LTE B4B	20	56999	3634.9	-	-	-	-	24.04	-	-	-	24.04	23.87	
CA 2A-13A-4B-6B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4B	20	55990	3625	LTE B6B	20	66786	2145	LTE B6B	20	66984	2164.8	-	-	-	-	24.02	23.87	
CA 13A-4B-6B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4B	20	55990	3625	LTE B2	20	700	1940	LTE B6B	20	66786	2145	-	-	-	-	24.05	23.87	
CA 2A-13A-4B-6A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B4B	20	55990	3625	LTE B4B	20	56188	3644.8	-	-	-	-	23.94	23.87	
CA 2A-13A-4B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B4B	20	55990	3625	LTE B4B	20	56188	3644.8	-	-	-	-	23.93	23.87	
CA 13A-4B-6A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4B	20	55990	3625	LTE B4B	20	56188	3644.8	LTE B4B	20	56386	3664.6	-	-	-	-	23.94	23.87	
CA 13A-4B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4B	20	55990	3625	LTE B4B	20	56188	3644.8	LTE B4B	20	56386	3664.6	-	-	-	-	23.95	23.87	

I.2.4 LTE Band 14 as PCC

Table I-6
Maximum Output Powers

Combination	PCC										SCC 1				SCC 2				SCC 3				Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch. Freq. [MHz]	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-2A-14A-30A-6A	LTE B14	10	23330	793	QPSK	1	25	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	8620	2355	24.48	23.77	
CA 2A-2A-14A-6A-6A	LTE B14	10	23330	793	QPSK	1	25	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B6B	20	66786	2145	24.53	23.77	
CA 2A-14A-30A-6A-6A	LTE B14	10	23330	793	QPSK	1	25	5330	763	LTE B2	20	900	1960	LTE B30	10	8620	2355	LTE B6B	20	66786	2145	24.55	23.77	

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I.2.8 LTE Band 41 as PCC

Table I-10
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC				SCC 1				SCC 2				Power	
						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]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 41A-41A (1)	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	LTE B41	20	39750	2506	-	-	-	-	23.95	24.17
CA 41A-41C	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	LTE B41	20	39948	2525.8	LTE B41	20	39750	2506	24.30	24.17
CA 41C-41A	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	LTE B41	20	41292	2600.2	LTE B41	20	39750	2506	24.23	24.17
CA 41D	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	LTE B41	20	41292	2600.2	LTE B41	20	41094	2640.4	24.18	24.17

I.2.9 LTE Band 48 as PCC

Table I-11
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power	
						PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 48A-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55640	3600	-	-	-	-	-	-	-	-	-	-	-	-	22.00	22.08
CA 48B	LTE B48	15	55705	3602.5	QPSK	1	74	55705	3602.5	LTE B48	5	55558	3611.8	-	-	-	-	-	-	-	-	-	-	-	-	22.16	22.05
CA 48A-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55640	3600	LTE B48	20	56442	3670.2	-	-	-	-	-	-	-	-	22.15	22.08
CA 48C-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	55640	3600	-	-	-	-	-	-	-	-	22.13	22.08
CA 48A-48D	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55640	3600	LTE B48	20	56442	3670.2	LTE B48	20	56244	3650.4	-	-	-	-	22.14	22.08
CA 48D-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	55736	3599.6	LTE B48	20	56442	3670.2	-	-	-	-	22.16	22.08
CA 48C-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	55640	3600	LTE B48	20	56442	3670.2	-	-	-	-	22.13	22.08
CA 48A-48E	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55640	3600	LTE B48	20	56442	3670.2	LTE B48	20	56244	3650.4	LTE B48	20	56442	3670.2	22.10	22.08
CA 48E-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	55736	3599.6	LTE B48	20	55538	3579.8	LTE B48	20	56442	3670.2	22.15	22.08
CA 48C-48D	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	55640	3600	LTE B48	20	56442	3670.2	LTE B48	20	56244	3650.4	22.03	22.08
CA 48D-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	55736	3599.6	LTE B48	20	56442	3670.2	LTE B48	20	56442	3670.2	22.01	22.08

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-12
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	131997	1712.5	QPSK	1	12	23.70	23.66	23.5
25	5	26665	1912.5	QPSK	1	24	23.82	23.88	23.5
30	5	27710	2310	QPSK	1	24	22.44	22.55	22.5
41	20	41490	2680	QPSK	1	50	24.16	24.17	24.0
48	20	55340	3560	QPSK	1	0	21.88	22.08	22.0

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I.3.1 LTE Band 71 as PCC

Table I-13
Maximum Output Powers

PCB										SCC 1										SCC 2										SCC 3										Power	
Combination	PCB Band	PCB BW [MHz]	PC C [Ch.]	PCC [U] Freq. [MHz]	Mod.	PC U/L RB	PC RS Offset	PC C [Ch.]	PCC [Ch.] Freq. [MHz]	Dt Ant. Config.	SCC Band	SCC BW [MHz]	SCC Ch.	SCC [Ch.] Freq. [MHz]	Dt Ant. Config.	SCC Band	SCC BW [MHz]	SCC Ch.	SCC [Ch.] Freq. [MHz]	Dt Ant. Config.	SCC Band	SCC BW [MHz]	SCC Ch.	SCC [Ch.] Freq. [MHz]	Dt Ant. Config.	SCC Band	SCC BW [MHz]	SCC Ch.	SCC [Ch.] Freq. [MHz]	Dt Ant. Config.	LTE Tx Power with dCA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)									
CA [4A]-[4A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2150	2150	2x2	-	-	-	-	-	-	-	-	-	-	24.03	24.01									
CA [4A]-[4A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	-	-	-	-	-	-	-	-	-	-	24.03	24.01									
CA [4BA]-[4BA]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B4B	20	55990	3625	4x4	LTE B4B	20	56640	3660	4x4	-	-	-	-	-	-	-	-	-	-	24.01	24.01									
CA [4BA]-[4BA]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B4B	20	55990	3625	4x4	LTE B4B	20	55340	3660	4x4	-	-	-	-	-	-	-	-	-	-	24.00	24.01									
CA [4B2]-[71A]	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B4B	20	55990	3625	4x4	LTE B4B	20	56950	3694.8	4x4	-	-	-	-	-	-	-	-	-	-	24.03	24.01									
CA 2A-2A-[4A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	23.99	24.01									
CA [2A]-2A-[4A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	23.98	24.01									
CA [2A]-2A-[4A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	24.02	24.01									
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B4	20	2175	2132.5	2x2	-	-	-	-	-	24.00	24.01									
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B4	20	2175	2132.5	2x2	-	-	-	-	-	24.03	24.01									
CA 2A-2A-[6A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B6B	20	66786	2145	4x4	-	-	-	-	-	24.05	24.01									
CA [2A]-[6A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B6B	20	66786	2145	2x2	-	-	-	-	-	24.03	24.01									
CA [2A]-[2A]-[6A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B6B	20	66786	2145	4x4	-	-	-	-	-	24.04	24.01									
CA [2A]-[2A]-[6A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B6B	20	66786	2145	2x2	-	-	-	-	-	24.03	24.01									
CA 2A-[6A]-[6A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	2x2	LTE B6B	20	66786	2145	4x4	LTE B6B	20	67236	2190	2x2	-	-	-	-	-	24.02	24.01									
CA 2A-[6A]-[6A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	2x2	LTE B6B	20	66786	2145	4x4	LTE B6B	20	67236	2190	4x4	-	-	-	-	-	24.04	24.01									
CA [2A]-[6A]-[6A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	2x2	LTE B6B	20	66786	2145	2x2	LTE B6B	20	67236	2190	2x2	-	-	-	-	-	24.03	24.01									
CA [2A]-[6A]-[6A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B6B	20	66786	2145	4x4	LTE B6B	20	67236	2190	2x2	-	-	-	-	-	24.05	24.01									
CA [2A]-[6A]-[6A]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B6B	20	66786	2145	4x4	LTE B6B	20	67236	2190	4x4	-	-	-	-	-	24.00	24.01									
CA 2A-[6B2]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	2x2	LTE B6B	20	66786	2145	4x4	LTE B6B	20	66984	2164.8	4x4	-	-	-	-	-	24.04	24.01									
CA [2A]-[6B2]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B6B	20	66786	2145	4x4	LTE B6B	20	66984	2164.8	4x4	-	-	-	-	-	24.05	24.01									
CA [2A]-[6B2]-71A	LTE B71	5	133447	695.5	QPSK	1	12	68911	649.5	2x2	LTE B2	20	900	1960	4x4	LTE B6B	20	66786	2145	4x4	LTE B6B	20	66984	2164.8	4x4	-	-	-	-	-	24.02	24.01									

I.3.2 LTE Band 12 as PCC

Table I-14
Maximum Output Powers

Combination		PCC Band	PCC BW [MHz]	PCC [UL/CL]	PCC [Hz Freq. [MHz]]	Mod.	PCC USF	PCC IUSF	PCC DUL/CL	PCC [DQ Freq. [MHz]]	Dt. Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL/CL]	SCC [DQ Freq. [MHz]]	Dt. Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL/CL]	SCC [DQ Freq. [MHz]]	Dt. Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL/CL]	SCC [DQ Freq. [MHz]]	Dt. Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL/CL]	SCC [DQ Freq. [MHz]]	Dt. Ant. Config.	LTE Tx Power [dBm (CA)]	LTE Single Carrier Tx Power [dBm]
CA [2A-12A] (1)	LT-E B12	S	23055	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	21.5	24.27
CA [2A-12A] (2)	LT-E B12	S	23055	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	21.5	24.27
CA [2A-12A] (3)	LT-E B12	S	23055	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	21.5	24.27
CA [2A-12A] (4)	LT-E B12	S	23055	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	21.5	24.27
CA [2A-12A] (5)	LT-E B12	S	23055	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	21.5	24.27
CA [2A-12A] (6)	LT-E B12	S	23055	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	5035	731.5	2x2	LT-E B4	20	900	1960	4x4	21.5	24.27
CA [2A-2A-14A-12A]	LT-E B12	S	23035	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	2x2	LT-E B2	20	700	1940	2x2	LT-E B4	20	2175	2132.5	4x4	LT-E B4	20	2175	2132.5	4x4	21.5	24.27	
CA [2A-2A-14A-12A]	LT-E B12	S	23035	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	2x2	LT-E B2	20	700	1940	2x2	LT-E B4	20	2175	2132.5	4x4	LT-E B4	20	2175	2132.5	4x4	21.5	24.27	
CA [2A-2A-14A-12A]	LT-E B12	S	23035	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	2x2	LT-E B2	20	700	1940	2x2	LT-E B4	20	2175	2132.5	4x4	LT-E B4	20	2175	2132.5	4x4	21.5	24.27	
CA [2A-2A-14A-12A]	LT-E B12	S	23035	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	2x2	LT-E B2	20	700	1940	2x2	LT-E B4	20	2175	2132.5	4x4	LT-E B4	20	2175	2132.5	4x4	21.5	24.27	
CA [2A-2A-14A-12A]	LT-E B12	S	23035	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	2x2	LT-E B2	20	700	1940	2x2	LT-E B4	20	2175	2132.5	4x4	LT-E B4	20	2175	2132.5	4x4	21.5	24.27	
CA [2A-2A-14A-12A]	LT-E B12	S	23035	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	2x2	LT-E B2	20	700	1940	2x2	LT-E B4	20	2175	2132.5	4x4	LT-E B4	20	2175	2132.5	4x4	21.5	24.27	
CA [2A-2A-14A-12A]	LT-E B12	S	23035	701.5	QPSK	1	0	5035	731.5	2x2	LT-E B2	20	900	1960	2x2	LT-E B2	20	700	1940														

FCC ID: A3LSMS928U

DUT Type:
Portable Handset

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Approved by:
Technical Manager

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[illegible]

FCC ID: A3LSMS928U

SAR EVALUATION REPORT

Approved by:
Technical Manager

DUT Type:
Portable Handset

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I.3.8 LTE Band 41 as PCC

Table I-20
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	Power	
						PCC UL#	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		LTE Tx Power with DL CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]
CA [41A]-[41A] (1)	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	4x4	LTE B41	20	39750	2506	2x2	-	-	-	-	-	24.14	24.17
CA [41A]-[41A] (1)	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	2x2	LTE B41	20	39750	2506	4x4	-	-	-	-	-	24.13	24.17
CA [41A]-[41A] (1)	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	4x4	LTE B41	20	39750	2506	4x4	-	-	-	-	-	24.16	24.17
CA [41A]-[41C]	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	2x2	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	24.17	24.17
CA [41C]-[41A]	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	4x4	LTE B41	20	41292	2660.2	4x4	LTE B41	20	39750	2506	2x2	24.16	24.17
CA [41A]-[41C]	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	4x4	LTE B41	20	39948	2525.8	2x2	LTE B41	20	39750	2506	2x2	24.16	24.17
CA [41C]-[41A]	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	2x2	LTE B41	20	41292	2660.2	2x2	LTE B41	20	39750	2506	4x4	24.18	24.17
CA [41A]-[41C]	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	4x4	LTE B41	20	39948	2525.8	4x4	LTE B41	20	39750	2506	4x4	24.22	24.17
CA [41C]-[41A]	LTE B41	20	41490	2680	QPSK	1	50	41490	2680	4x4	LTE B41	20	41292	2660.2	4x4	LTE B41	20	39750	2506	4x4	24.19	24.17
CA [41D]	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	24.20	24.17

I.3.9 LTE Band 48 as PCC

Table I-21
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				DL Ant. Config.	SCC 4				DL Ant. Config.	Power			
						PCC UL#	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		LTE Tx Power with DL CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]		
CA 48A-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	2x2	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.90	22.08		
CA 48A-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.84	22.08		
CA 48B-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.01	22.08		
CA 48B-48B	LTE B48	20	55340	3560	QPSK	1	74	55765	3602.5	4x4	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.01	22.08		
CA 48A-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	2x2	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	-	-	-	-	-	-	-	-	-	-	-	21.92	22.08	
CA 48C-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	56640	3690	2x2	-	-	-	-	-	-	-	-	-	-	-	22.12	22.08	
CA 48A-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	56640	3690	2x2	LTE B48	20	56642	3670.2	2x2	-	-	-	-	-	-	-	-	-	-	-	22.04	22.08	
CA 48C-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	2x2	LTE B48	20	55538	3579.8	2x2	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	-	-	-	-	-	21.93	22.08	
CA 48A-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	-	-	-	-	-	-	-	-	-	-	-	22.11	22.08	
CA 48C-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	-	-	-	-	-	22.08	22.08	
CA 48A-48D	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	2x2	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	LTE B48	20	56244	3650.4	4x4	-	-	-	-	-	-	21.85	22.08	
CA 48D-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	55736	3599.6	4x4	LTE B48	20	56640	3690	2x2	-	-	-	-	-	-	22.11	22.08	
CA 48A-48D	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	56640	3690	2x2	LTE B48	20	56642	3670.2	2x2	LTE B48	20	56244	3650.4	2x2	-	-	-	-	-	-	22.03	22.08	
CA 48D-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	2x2	LTE B48	20	55538	3579.8	2x2	LTE B48	20	55736	3599.6	2x2	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	21.86	22.08	
CA 48A-48E	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	LTE B48	20	56244	3650.4	4x4	-	-	-	-	-	-	22.06	22.08	
CA 48E-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	55736	3599.6	4x4	LTE B48	20	56640	3690	4x4	-	-	-	-	-	-	22.08	22.08	
CA 48C-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	2x2	LTE B48	20	55538	3579.8	2x2	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	-	-	-	-	-	-	21.81	22.08	
CA 48C-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	56640	3690	2x2	LTE B48	20	56642	3670.2	2x2	-	-	-	-	-	-	22.05	22.08	
CA 48C-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	-	-	-	-	-	-	22.02	22.08	
CA 48A-48E	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	2x2	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	LTE B48	20	56244	3650.4	4x4	LTE B48	20	56048	3630.6	4x4	-	-	21.79	22.08
CA 48E-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	55736	3599.6	4x4	LTE B48	20	55934	3619.4	4x4	LTE B48	20	56640	3690	2x2	-	-	22.07	22.08
CA 48A-48E	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	56640	3690	2x2	LTE B48	20	56642	3670.2	2x2	LTE B48	20	56244	3650.4	2x2	LTE B48	20	56048	3630.6	2x2	-	-	22.06	22.08
CA 48E-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	2x2	LTE B48	20	55538	3579.8	2x2	LTE B48	20	55736	3599.6	2x2	LTE B48	20	55934	3619.4	2x2	LTE B48	20	56640	3690	4x4	-	-	21.82	22.08
CA 48A-48E	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	LTE B48	20	56244	3650.4	4x4	LTE B48	20	56048	3630.6	4x4	-	-	22.02	22.08
CA 48E-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	55736	3599.6	4x4	LTE B48	20	55934	3619.4	4x4	LTE B48	20	56640	3690	4x4	-	-	21.92	22.08
CA 48C-48D	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	2x2	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	LTE B48	20	56442	3650.4	4x4	-	-	21.94	22.08
CA 48D-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	55736	3599.6	4x4	LTE B48	20	56640	3690	2x2	LTE B48	20	56442	3670.2	2x2	-	-	22.08	22.08
CA 48C-48D	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	56640	3690	2x2	LTE B48	20	56442	3670.2	2x2	LTE B48	20	56244	3650.4	2x2	-	-	22.09	22.08
CA 48D-48C	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	2x2	LTE B48	20	55538	3579.8	2x2	LTE B48	20	55736	3599.6	2x2	LTE B48	20	56640	3690	4x4	LTE B48	20	56442	3670.2	4x4	-	-	21.83	22.08
CA 48C-48D	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	4x4	LTE B48	20	55538	3579.8	4x4	LTE B48	20	56640	3690	4x4	LTE B48	20	56642	3670.2	4x4	LTE B48	20	56244	3650.4	4x4	-	-	22.04	22.08

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-22
Maximum Output Powers

	PCC										SCC 1										SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (UL) Ch.	SCC (UL) Freq. [MHz]	Mod.	SCC UL# RB	SCC UL RB Offset	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	ULCA Tx Power with add'l CA config. active (dBm)	ULCA Tx Power (dBm)		
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	24.10	24.09		

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-23
Maximum Output Powers

	PCC										SCC 1										SCC 2				Power		
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (UL) Ch.	SCC (UL) Freq. [MHz]	Mod.	SCC UL# RB	SCC UL RB Offset	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 (dBm)	ULCA Tx Power (dBm)
CA_41D	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	dtd	LTE B41	20	41292	2660.2	QPSK	1	99	41292	2660.2	dtd	LTE B41	20	41094	2640.4	dtd	24.14	24.09

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