

## APPENDIX F: DOWNLINK LTE CA RF CONDUCTED POWERS

### F.1 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 component 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 F-1 – Example of Exclusion Table for SISO Configurations

Index	2CC	Supported Channel Bandwidth [MHz]			Restriction	Completely Covered by Measurement Superset	Index	3CC	Supported Channel Bandwidth [MHz]			Restriction	Completely Covered by Measurement Superset	Index	4CC	Supported Channel Bandwidth [MHz]				Restriction	Completely Covered by Measurement Superset	
		CC1	CC2	CC3					CC1	CC2	CC3					CC1	CC2	CC3	CC4			
ICC #41	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #41	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #41	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #42	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #42	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #42	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #43	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #43	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #43	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #44	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #44	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #44	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #45	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #45	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #45	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #46	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #46	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #46	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #47	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #47	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #47	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #48	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #48	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #48	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #49	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #49	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #49	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #50	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #50	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #50	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #51	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #51	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #51	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #52	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #52	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #52	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #53	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #53	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #53	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #54	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #54	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #54	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #55	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #55	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #55	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #56	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #56	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #56	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #57	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #57	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #57	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #58	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #58	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #58	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #59	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #59	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #59	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #60	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #60	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #60	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #61	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #61	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #61	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #62	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #62	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #62	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #63	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #63	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #63	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #64	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #64	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #64	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #65	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #65	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #65	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #66	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #66	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #66	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #67	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #67	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #67	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #68	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #68	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #68	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #69	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #69	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #69	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #70	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #70	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #70	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #71	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #71	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #71	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #72	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #72	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #72	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #73	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #73	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #73	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #74	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #74	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #74	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #75	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #75	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #75	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #76	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #76	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #76	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #77	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #77	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #77	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #78	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC #78	CA_2A-2A-3A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20					ICC #78	CA_2A-2A-3A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		
ICC #79	CA_2A-2A	5, 10, 15, 20	5, 10, 15, 20	No			ICC															

## F.2 LTE Downlink Only Carrier Aggregation Test Selection and Setup

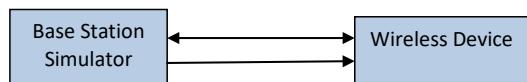
SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number component carriers (CCs) supported by the product implementation. For those configurations required by April 2018 TCBC Workshop Notes, conducted power measurements with LTE Carrier Aggregation (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.

This device supports LAA with downlink carrier aggregation only. It uses carrier aggregation in the downlink to combine LTE in the unlicensed spectrum (i.e. LTE Band 46) with LTE in the licensed band (served as PCC). All uplink communications and acknowledgements on the PCC remain identical to specifications when downlink carrier aggregation is inactive.

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.

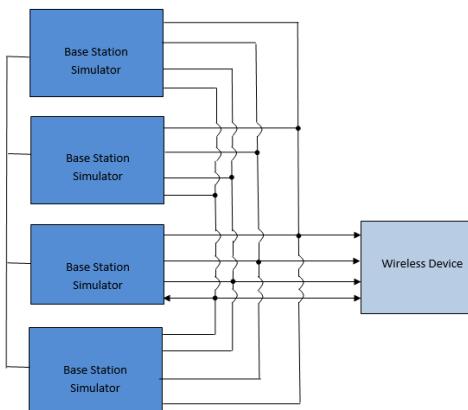
General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C(3)b(ji) of KDB 941225 D05 V01r02. All LTE bandwidth conducted powers needed for PCC uplink configuration selection can be found in Section 9.4 and appendix H. 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 F-1**  
**DL CA Power Measurement Setup**

FCC ID: PY7-95324M	 <b>PCTEST</b> Proud to be part of element	SAR EVALUATION REPORT		Reviewed by: Quality Manager
Test Dates: 08/30/21 - 10/03/21	DUT Type: Portable Handset			APPENDIX F: Page 2 of 11



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

### F.3 Downlink Carrier Aggregation RF Conducted Powers

#### F.3.1 LTE Band 71 as PCC

**Table F-3**  
**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# Offset	PCC 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 4A-4A-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	23.66	23.61	
CA 2A-2A-4A-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	23.69	23.61	
CA 2A-6SA-6SA-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	68786	2145	23.61	23.61	
CA 2A-6SA-6SA-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	LTE B2	20	900	1960	LTE B2	20	68786	2145	LTE B6B	20	67235	2190	23.61	23.61	
CA 2A-49C-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	LTE B2	20	900	1960	LTE B6B	20	68786	2145	LTE B6B	20	68984	2164.8	22.64	23.61	

#### F.3.2 LTE Band 12 as PCC

**Table F-4**  
**Maximum Output Powers**

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL# Offset	PCC 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 12A-6SA (1)	LTE B12	5	23995	707.5	QPSK	1	0	6095	737.5	LTE B6B	20	68786	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	23.69	23.56
CA 12A-6SA (2)	LTE B12	3	23995	707.5	QPSK	1	0	6095	737.5	LTE B6B	20	68786	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	23.76	23.61
CA 4A-12A-12A	LTE B12	3	23995	707.5	QPSK	1	0	6095	737.5	LTE B4	20	900	1960	LTE B4	20	700	1940	LTE B2	20	2175	2132.5	-	-	-	-	-	23.61	23.61
CA 4A-12A (1)	LTE B12	5	23995	707.5	QPSK	1	0	6095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	-	23.61	23.56
CA 4A-12A (2)	LTE B12	3	23995	707.5	QPSK	1	0	6095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	-	23.61	23.56
CA 12A-69C	LTE B12	5	23995	707.5	QPSK	1	0	6095	737.5	LTE B6B	20	68786	2145	LTE B6B	20	68984	2164.8	-	-	-	-	-	-	-	-	23.69	23.56	
CA 4A-4A-12A	LTE B12	5	23995	707.5	QPSK	1	0	6095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	23.67	23.56	
CA 4A-4A-12A	LTE B12	5	23995	707.5	QPSK	1	0	6095	737.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	-	-	-	-	23.60	23.56	
CA 2A-2A-12A-6SA-6SA	LTE B12	5	23995	707.5	QPSK	1	0	6095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B6B	20	68786	2145	LTE B6B	20	67235	2180	23.65	23.68	

FCC ID: PY7-95324M	 <b>PCTEST</b> Proud to be part of 	SAR EVALUATION REPORT	<b>SONY</b>	Reviewed by: Quality Manager
Test Dates: 08/30/21 - 10/03/21	DUT Type: Portable Handset			APPENDIX F: Page 3 of 11

### F.3.3

## LTE Band 13 as PCC

**Table F-5**  
**Maximum Output Powers**

Combination	PCC										SCC 1										SCC 2										Power	
	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]	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_13A-46A-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50065	5537.5	LTE B69	20	60786	2145	-	-	-	-	-	-	-	-	-	-	23.37	23.34			
CA_2A-13A-46A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50065	5537.5	-	-	-	-	-	-	-	-	-	-	23.34	23.34			
CA_13A-46A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B46	20	2175	2175	LTE B69	20	2175	2175	-	-	-	-	-	-	-	-	-	-	23.41	23.41			
CA_13A-46C-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	60786	2145	-	-	-	-	-	-	-	-	23.32	23.34	
CA_13A-46B-66B	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50065	3625	LTE B69	15	60786	2145	LTE B69	5	60697	2154.3	-	-	-	-	-	-	-	-	23.30	23.34	
CA_13A-46A-66C	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50065	3625	LTE B69	20	60786	2145	LTE B69	20	50064	2164.8	-	-	-	-	-	-	-	-	23.36	23.34	
CA_13A-46A-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	60786	2145	LTE B69	20	60726	2190	-	-	-	-	-	-	-	-	23.29	23.34	
CA_2A-13A-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	60786	2145	LTE B69	20	60984	2164.8	-	-	-	-	-	-	-	-	23.32	23.34	
CA_2A-2A-13A-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	60786	2145	LTE B69	20	60786	2145	-	-	-	-	-	-	-	-	23.25	23.34	
CA_13A-46E-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50447	5537.5	LTE B69	20	50786	2145	-	-	-	-	-	-	-	-	23.30	23.34					
CA_13A-46E-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50447	5537.5	LTE B69	20	50447	5537.7	LTE B46	20	51061	5577.1	-	-	-	-	-	-	-	23.33	23.34		
CA_13A-48A-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50065	3625	LTE B69	20	53340	3579.8	LTE B69	20	60786	2145	-	-	-	-	-	-	-	23.29	23.34		
CA_13A-48A-66D	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50065	3625	LTE B69	20	53340	3579.8	LTE B69	20	51736	3599.6	-	-	-	-	-	-	-	23.31	23.34		
CA_13A-48D-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50065	3625	LTE B69	20	56188	3644.8	LTE B69	20	50447	5537.7	LTE B46	20	50863	5557.3	-	23.33	23.34				
CA_2A-13A-66A	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50065	3625	LTE B69	20	56640	3609	LTE B69	20	60786	2145	-	23.35	23.34				
CA_2A-13A-66D	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50065	3625	LTE B69	20	56640	3609	LTE B69	20	60786	2145	-	23.35	23.34				
CA_2A-13A-48C	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50065	3625	LTE B69	20	56188	3644.8	LTE B69	20	60786	2145	-	-	-	-	-	-	-	23.31	23.34		
CA_2A-13A-48C	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50065	3625	LTE B69	20	56188	3644.8	LTE B69	20	60786	2145	-	23.31	23.34				
CA_2A-13A-48C	LTE B13	5	23230	782	QPSK	1	0	5230	751	LTE B46	20	50065	3625	LTE B69	20	56188	3644.8	LTE B69	20	60786	2145	-	-	-	-	-	-	-	23.31	23.34		

### F.3.4

## LTE Band 5 as PCC

**Table F-6**  
**Maximum Output Powers**

Combination	PCC										SCC 1										SCC 2										Power			
	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]	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_5A-46A (1)	LTE B5	3	20415	625.5	QPSK	1	0	2415	870.5	LTE B46	20	50065	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.00	23.94			
CA_5A-46A (1)	LTE B5	3	20415	625.5	QPSK	1	0	2415	870.5	LTE B2	5	2625	891.5	LTE B46	20	50065	5537.5	-	-	-	-	-	-	-	-	-	-	24.04	23.94					
CA_5A-46B (1)	LTE B5	3	20415	625.5	QPSK	1	0	2415	870.5	LTE B46	20	50065	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.04	23.94					
CA_5A-46C (1)	LTE B5	5	20415	625.5	QPSK	1	0	2415	870.5	LTE B46	20	50065	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.04	23.94					
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	-	-	-	-	-	-	-	23.82	23.88
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	-	-	-	-	-	-	-	23.82	23.88
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B2	20	900	1960	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	-	23.79	23.88		
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	LTE B69	20	50447	5517.7	-	23.79	23.88		
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	LTE B69	20	50447	5517.7	-	23.79	23.88		
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	LTE B69	20	50447	5517.7	-	23.79	23.88		
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	LTE B69	20	50447	5517.7	-	23.79	23.88		
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	LTE B69	20	50447	5517.7	-	23.79	23.88		
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	LTE B69	20	50447	5517.7	-	23.79	23.88		
CA_5A-46A-66A	LTE B5	5	20265	846.5	QPSK	1	0	2625	891.5	LTE B46	20	50065	5537.5	LTE B69	20	50447	5517.7	LTE B46	20	50447	5517.7	LTE B69	20	50447	5517.7	LTE B6								

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## LTE Band 66 as PCC

**Table F-7**  
**Maximum Output Powers**

E 3 6

LTE Band 41 as PCC

**Table F-8**  
**Maximum Output Powers**

Combination	PCC										SCC 1					SCC 2					Power	
	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]	LTE Tx.Power w/ DL CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]			
	CA 41C (1)	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41292	2660.2	-	-	-	-	23.79	23.90		
CA 41A-46C	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B46	20	50665	5937.5	LTE B46	20	50467	5517.7	23.84	23.90			
CA 41D	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	LTE B41	20	41292	2660.2	LTE B41	20	41094	2640.4	23.85	23.90			

F 3 1

## LTE Band 48 as PCC

**Table F-9**  
**Maximum Output Powers**

Combination	PCC								SCC 1				SCC 2				Power		
	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]	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	56640	3690	-	-	-	-	23.66	23.65
CA_48A-48C	LTE B48	20	55340	3560	OPSK	1	0	55340	3560	LTE B48	20	56640	3690	LTE B48	20	56442	3670.2	23.81	23.65
CA_48C-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	56640	3690	23.68	23.65
CA_48A-48D	LTE B48	20	55340	3560	OPSK	1	0	55340	3560	LTE B48	20	56640	3690	LTE B48	20	56442	3670.2	23.70	23.65
CA_48D-48A	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	57336	3599.6	23.73	23.65
CA_48C-48C	LTE B48	20	55340	3560	OPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	56640	3690	23.72	23.65
CA_48E	LTE B48	20	55340	3560	QPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	57336	3599.6	23.68	23.65
CA_48C-48D	LTE B48	20	55340	3560	OPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	56640	3690	23.81	23.65
CA_48D-48C	LTE B48	20	55340	3560	OPSK	1	0	55340	3560	LTE B48	20	55538	3579.8	LTE B48	20	57336	3599.6	23.73	23.65



SAR EVALUATION REPORT

**SONY**

**Reviewed by:**  
Quality Manager

**Test Dates:**  
08/30/21 - 10/03/21

**DUT Type:**  
Portable Handset

APPENDIX F:  
Page 5 of 11

## F.4 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 F.2 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.

### F.4.1

## LTE 4x4 MIMO DL Standalone Powers

Table F-10  
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]
5	3	20415	825.5	QPSK	1	0	23.72	23.94	24.0
66	15	132322	1745	QPSK	1	74	23.72	23.69	24.0
41	20	41490	2680	QPSK	1	0	23.88	23.90	24.0
48	20	55340	3560	QPSK	1	0	23.80	23.65	24.0

### F.4.1

## LTE Band 71 as PCC

Table F-11  
Maximum Output Powers

Combination	PCC Band	PCC					SCC 1			SCC 2			SCC 3			Power												
		PCC BW [MHz]	PCC (U) Ch.	PCC (U) Freq. [MHz]	Mod.	PCC ULF RB	PCC ULF 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 [dBm]	LTE Single Carrier Tx Power [dBm]	
CA [4A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	2x2	-	-	-	-	-	-	23.63	23.61
CA [4A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B4	20	2175	2132.5	4x4	LTE B4	10	2350	2150	4x4	-	-	-	-	-	-	23.63	23.61
CA [2A]-2A-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B4	20	2375	2132.5	2x2	-	23.61	23.61
CA [2A]-[2A]-4A-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B4	20	2375	2132.5	2x2	23.50	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	2x2	LTE B2	20	700	1940	2x2	LTE B4	20	2175	2132.5	4x4	23.51	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B4	20	2175	2132.5	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B4	20	2175	2132.5	4x4	23.45	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	2x2	LTE B66	20	66786	2145	2x2	23.47	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.45	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4	LTE B2	20	700	1940	4x4	LTE B66	20	66786	2145	4x4	23.46	23.61	
CA [2A]-[2A]-[4A]-71A	LTE B71	5	133147	665.5	QPSK	1	0	68611	619.5	2x2	LTE B2	20	900	1960	4x4													

F.4.2

## LTE Band 12 as PCC

F.4.3

## LTE Band 13 as PCC

**Table F-13**  
**Maximum Output Powers**

FCC ID: PY7-95324M	 <b>PCTEST®</b> Proud to be part of 	SAR EVALUATION REPORT		Reviewed by: Quality Manager
<b>Test Dates:</b> 08/30/21 - 10/03/21	<b>DUT Type:</b> Portable Handset			APPENDIX F: Page 7 of 11

F 4 4

## LTE Band 5 as PCC

### Table F-14

FCC ID: PY7-95324M	 Proud to be part of	SAR EVALUATION REPORT		Reviewed by: Quality Manager
<b>Test Dates:</b> 08/30/21 - 10/03/21	<b>DUT Type:</b> Portable Handset			APPENDIX F: Page 8 of 11

F.4.5

## LTE Band 66 as PCC

**Table F-15**  
**Maximum Output Powers**

FCC ID: PY7-95324M	 Proud to be part of 	SAR EVALUATION REPORT		Reviewed by: Quality Manager
Test Dates: 08/30/21 - 10/03/21	DUT Type: Portable Handset			APPENDIX F: Page 9 of 11

**Table F-16**  
**Maximum Output Powers Continued**



SAR EVALUATION REPORT

SUN Y

**Reviewed by:**  
Quality Manage

**Test Dates:**

**DUT Type:**

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F.4.6

## LTE Band 41 as PCC

**Table F-17**  
**Maximum Output Powers**

Combination	PCC								SCC 1				SCC 2				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.	LTE Single Carrier Tx Power (dBm)
CA_ [41C] (1)	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	4x4	-	-	-	-	-	23.94
CA_ [41D] (1)	LTE B41	20	41490	2680	QPSK	1	0	41490	2680	4x4	LTE B41	20	41292	2660.2	4x4	LTE B41	20	41094	2640.4	4x4	23.90

F.4.1

## LTE Band 48 as PCC

**Table F-18**  
**Maximum Output Powers**