

APPENDIX F: DOWNLINK LTE CA RF CONDUCTED POWERS

1.1 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 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 1 – Example of Exclusion Table for SISO Configurations

Index		JCT	Superfund Chlorine Residuals (ppm)		Reduction	Completely Compliant by Measurement Support	Index		JCT	Superfund Chlorine Residuals (ppm)		Reduction	Completely Compliant by Measurement Support	Index		JCT	Superfund Chlorine Residuals (ppm)		Reduction	Completely Compliant by Measurement Support
CC1	CC2		CC1	CC2			CC1	CC2		CC1	CC2			CC1	CC2		CC1	CC2		
CC141	CA-2	5.10, 10.10	5.10, 10.10		CC146	CA-20-20-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10	CC149	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC151	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC142	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC147	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC150	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC152	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC143	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC148	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC153	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC156	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC144	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC149	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC154	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC157	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC145	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC150	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC155	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC158	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC146	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC151	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC156	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC159	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC147	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC152	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC161	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC162	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC148	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC153	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC163	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC164	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC149	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC154	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC165	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC166	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC150	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC155	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC167	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC168	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC151	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC156	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC169	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC170	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC152	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC157	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC171	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC172	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC153	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC158	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC173	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC174	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC154	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC159	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC175	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC176	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC155	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC160	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC177	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC178	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC156	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC161	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC179	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC180	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC157	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC162	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC181	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC182	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC158	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC163	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC183	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC184	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC159	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC164	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC185	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC186	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC160	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC165	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC187	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC188	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC161	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC166	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC189	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC190	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC162	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC167	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC191	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC192	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC163	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC168	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC193	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC194	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC164	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC169	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC195	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC196	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC165	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC170	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC197	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC198	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC166	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC171	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC199	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC200	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC167	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC172	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC201	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC202	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC168	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC173	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC203	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC204	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC169	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC174	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC205	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC206	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC170	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC175	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC207	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC208	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC171	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC176	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC209	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC210	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC172	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC177	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC211	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC212	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC173	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC178	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC213	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC214	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC174	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC179	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC215	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC216	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC175	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC180	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC217	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC218	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC176	CA-20-40-40A	5.10, 10.10	5.10, 10.10		CC181	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	CC219	CA-20-40-40A	5.10, 10.10	5.10, 10.10	5.10	CC220	CA-20-40-40A	5.10, 10.10	5.10	5.10, 10.10, 10.10, 10.10, 10.10, 10.10	5.10
CC177	CA-20-40-40A	5.10, 10.10	5.10, 10																	

Table 2 – Example of Exclusion Table for 4x4 Downlink MIMO Configurations

Index	ZCC	Supported Channel Bandwidth (MHz)		Restriction	Completely Covered by Measurement Superset	Index	ZCC	Supported Channel Bandwidth (MHz)				Restriction	Completely Covered by Measurement Superset
		CC1	CC2					CC1	CC2	CC3	CC4		
CCC RM1	CA [2C]	5, 10, 15, 20	5, 10, 15, 20		CCC RM6	CCC RM1	CA [2A]-2A-6A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM2	CA [2A]-3A	5, 10, 15, 20	5, 10, 15, 20		CCC RM7	CCC RM2	CA [2A]-2A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM3	CA [2A]-[2A]	5, 10, 15, 20	5, 10, 15, 20	No	CCC RM8	CCC RM3	CA [2A]-2A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10			
CCC RM4	CA [2A]-4A	5, 10, 15, 20	5, 10, 15, 20	No	CCC RM9	CCC RM4	CA [2A]-2A-13A	5, 10, 15, 20	5, 10, 15, 20	5, 10			
CCC RM5	CA [2A]-[4A]-[7]	5, 10, 15, 20	5, 10, 15, 20	No	CCC RM10	CCC RM5	CA [2A]-2A-30A	5, 10, 15, 20	5, 10, 15, 20	5, 10			
CCC RM6	CA [2A]-5A	5, 10, 15, 20	5, 10		CCC RM11	CCC RM6	CA [2C]-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM7	CA [2A]-[2A]-[1]	5, 10, 15, 20	5, 10		CCC RM12	CCC RM7	CA [2C]-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM8	CA [2A]-[3A]	5, 10, 15, 20	10		CCC RM13	CCC RM8	CA [2C]-[166A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM9	CA [2A]-[7A]	5, 10	5, 10		CCC RM14	CCC RM9	CA [2A]-2A-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM10	CA [2A]-[2A]-[3]	5, 10	5, 10	B79 SCC Only	CCC RM15	CCC RM10	CA [2A]-2A-[66A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM11	CA [2A]-[3A]	5, 10	5, 10		CCC RM16	CCC RM11	CA [2A]-2A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM12	CA [2A]-66A-[2]	5, 10, 15, 20	5, 10, 15, 20		CCC RM17	CCC RM12	CA [2A]-4A-29A	5, 10, 15, 20	5, 10, 15, 20	5, 10		B79 SCC Only	
CCC RM13	CA 2A-[66A]-[2]	5, 10, 15, 20	5, 10, 15, 20		CCC RM18	CCC RM13	CA [2A]-4A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM14	CA [2A]-[66A]-[7]	5, 10, 15, 20	5, 10, 15, 20		CCC RM19	CCC RM14	CA [2A]-4A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM15	CA [2A]-71A	5, 10, 15, 20	5, 10, 15, 20		CCC RM20	CCC RM15	CA [2A]-5A-66A	5, 10, 15, 20	5, 10	5, 10, 15, 20			
CCC RM16	CA 5A-[66A]	5, 10, 15, 20	5, 10, 15, 20		CCC RM21	CCC RM16	CA [2A]-5A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20			
CCC RM17	CA [2A]-[66A]-[4]	5, 10, 15, 20	5, 10, 15, 20		CCC RM22	CCC RM17	CA 2A-12A-[66A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
CCC RM18	CA [3A]-[66A]	5, 10, 15, 20	5, 10, 15, 20		CCC RM23	CCC RM18	CA [2A]-13A-66A	5, 10, 15, 20	5, 10	5, 10, 15, 20			
CCC RM19	CA [3A]-[66A]	5, 10	5, 10, 15, 20		CCC RM24	CCC RM19	CA 2A-13A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20			
CCC RM20	CA [66A]	5, 10, 15	5, 10, 15		CCC RM25	CCC RM20	CA 2A-30A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20			
CCC RM21	CA [66C]	5, 10, 15, 20	5, 10, 15, 20		CCC RM26	CCC RM21	CA [2A]-66B	5, 10, 15, 20	5, 10, 15	5, 10, 15		CCC RM4	
CCC RM22	CA [66A]-66A	5, 10, 15, 20	5, 10, 15, 20		CCC RM27	CCC RM22	CA [2A]-[66B]	5, 10, 15, 20	5, 10, 15	5, 10, 15		CCC RM4	
CCC RM23	CA [66A]-[66A]	5, 10, 15, 20	5, 10, 15, 20	No	CCC RM28	CCC RM23	CA [2A]-[66B]	5, 10, 15, 20	5, 10, 15	5, 10, 15			
					CCC RM29	CCC RM24	CA [2A]-66C	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		CCC RM5	
					CCC RM30	CCC RM25	CA [2A]-66C	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		CCC RM5	
					CCC RM31	CCC RM26	CA [2A]-66C	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
					CCC RM32	CCC RM27	CA [2A]-66A-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
					CCC RM33	CCC RM28	CA 2A-[66A]-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			
					CCC RM34	CCC RM29	CA [2A]-66A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20			

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

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1.2 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)ii) of KDB 941225 D05 V01r02. 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.

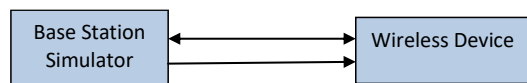


Figure 1
DL CA Power Measurement Setup

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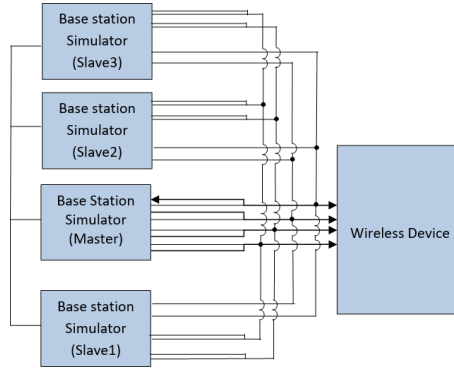


Figure 2
DL CA with DL 4x4 MIMO Power Measurement Setup

1.3 Downlink Carrier Aggregation RF Conducted Powers

1.3.1 LTE Band 12 as PCC

Table 1
Maximum Output Powers

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power					
				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 2A-12A (1)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	2390	-	-	-	-	-	-	-	-	-	-	-	-	-	24.63	24.20	
CA 4A-12A (1)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	-	24.15	24.20	
CA 4A-12A (2)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	-	24.15	24.20	
CA 12A-66A (1)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	24.15	24.20	
CA 12A-66A (2)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	24.15	24.20	
CA 12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	-	-	-	-	-	-	-	-	-	24.26	24.20	
CA 2A-12A-12A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	2390	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	24.16	24.20
CA 4A-12A-12A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	24.18	24.20
CA 2A-12A-12A-66A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	2390	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	24.16	24.20
CA 2A-12A-12A-66A-66A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	2390	LTE B66	20	66786	2145	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	24.17	24.20	

1.3.2 LTE Band 13 as PCC

Table 2
Maximum Output Powers

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				SCC 4				Power				
		PCC BW [MHz]	PCC (UL) Channel	PCC (UL) Freq. [MHz]	Modulation	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 2A-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	24.48	24.46	
CA 2A-13A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B4	20	20565	5537.5	-	-	-	-	-	-	-	-	24.43	24.46	
CA 4A-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4	20	2175	2132.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	24.70	24.46	
CA 13A-66A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	24.78	24.46	
CA 2A-13A-48C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B48	20	50467	5517.7	-	-	-	-	-	-	-	-	24.58	24.46	
CA 2A-13A-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	24.71	24.46	
CA 2A-13A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	24.51	24.46	
CA 13A-48C-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	24.68	24.46	
CA 13A-48A-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B48	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	24.71	24.46	
CA 13A-66B-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	24.68	24.46	
CA 2A-2A-13A-66A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B2	20	1960	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	24.48	24.46	
CA 2A-13A-48D	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	-	-	-	-	-	24.54	24.46
CA 2A-13A-48A-66A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B48	20	50467	5517.7	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	24.48	24.46
CA 2A-13A-48C-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	-	-	-	-	-	24.61	24.46
CA 2A-13A-48D	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	-	-	-	-	-	24.62	24.46
CA 13A-48D-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	-	24.46	24.46
CA 13A-48C-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	-	-	-	-	-	24.50	24.46
CA 13A-48A-48D	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	-	-	-	-	-	24.49	24.46
CA 13A-48C-48C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	-	-	-	-	-	24.48	24.46
CA 13A-48C-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	-	24.46	24.46
CA 13A-48C-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	-	24.59	24.46
CA 13A-48D-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	-	24.46	24.46
CA 13A-48C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	LTE B48	20	50467	5517.7	-	-	-	-	-	24.46	24.46

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1.3.3 LTE Band 66 as PCC

Table 3
Maximum Output Powers

[illegible]

1.3.4 LTE Band 7 as PCC

Table 4
Maximum Output Powers

[illegible]

1.3.5 LTE Band 41 as PCC

Table 5
Maximum Output Powers

Combination	PCC Band	PCC								SCC 1				SCC 2				SCC 3				SCC 4				Power	
		PCC BW [MHz]	PCC [UL] Ch. Freq. [MHz]	PCC [DL] Ch. Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	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 CA [dBm]	LTE Single Carrier Tx Power [dBm]	
CA 42A-60C	LTE B41	5	41400	2680	QPSK	1	24	41400	2680	LTE B41	20	50665	5337.5	-	-	-	-	-	-	-	-	-	-	-	-	14.80	14.80
CA 51C-61L	LTE B41	5	41400	2680	QPSK	1	24	41400	2680	LTE B41	20	51375	5365.5	-	-	-	-	-	-	-	-	-	-	-	-	14.79	14.80
CA 45A-60C	LTE B41	5	41400	2680	QPSK	1	24	41400	2680	LTE B41	20	50665	5337.5	LTE B46	20	50467	5337.7	-	-	-	-	-	-	-	-	14.80	14.80
CA 41D	LTE B41	10	41400	2680	16QAM	1	49	41400	2680	LTE B41	20	41448	2665.6	LTE B41	20	41448	2665.8	-	-	-	-	-	-	-	-	14.80	14.71
CA 45A-60C	LTE B41	5	41400	2680	QPSK	1	24	41400	2680	LTE B46	20	50665	5337.7	LTE B46	20	50467	5337.7	LTE B46	20	50863	5337.3	-	-	-	-	14.72	14.80
CA 45A-60C	LTE B41	5	41400	2680	QPSK	1	24	41400	2680	LTE B46	20	50665	5337.7	LTE B46	20	50467	5337.7	LTE B46	20	50863	5337.3	LTE B46	20	51061	5337.1	-	14.80

1.3.6 LTE Band 48 as PCC

Table 6
Maximum Output Powers

	PCC										SCC 1				SCC 2				SCC 3				SCC 4				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 (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 CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 48A-48A	LTE B48	5	56232	3649.2	15QAM	1	0	56232	3649.2	LTE B48	20	55340	3660	-	-	-	-	-	-	-	-	-	-	-	-	-	14.43	14.37
CA 48E	LTE B48	5	56232	3649.2	15QAM	1	0	56232	3649.2	LTE B48	20	56115	3637.5	LTE B48	20	55917	3617.7	LTE B48	20	55719	3597.9	-	-	-	-	-	14.42	14.37
CA 48C-48D	LTE B48	5	56232	3649.2	15QAM	1	0	56232	3649.2	LTE B48	20	56115	3637.5	LTE B48	20	55340	3660	LTE B48	20	55538	3579.8	LTE B48	20	55736	3599.6	14.43	14.37	
CA 48D-48C	LTE B48	5	56232	3649.2	15QAM	1	0	56232	3649.2	LTE B48	20	56115	3637.5	LTE B48	20	55917	3617.7	LTE B48	20	56640	3690	LTE B48	20	56442	3670.2	14.44	14.37	

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1.4 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 1.2 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.

1.4.1 LTE 4x4 MIMO DL Standalone Powers

Table 7
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]
66	3	131987	1711.5	64QAM	1	7	16.44	16.43
7	5	20775	2502.5	64QAM	1	12	16.54	16.39
41	5	41490	2680	QPSK	1	24	14.83	14.80
48	5	56232	3649.2	16QAM	1	0	14.38	14.37

1.4.2 LTE Band 12 as PCC

Table 8
Maximum Output Powers

		PCC										SCC 1										SCC 2										SCC 3										Power	
Combination	PCC Band	PCC BW [MHz]	PCC UL Ch.	PCC UL Freq [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	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]-12A (1)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.40	24.20									
CA [4A]-12A (1)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.94	24.20									
CA [4A]-12A (2)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.91	24.20									
CA [2A]-66A (1)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.95	24.20									
CA [2A]-66A (2)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.95	24.20									
CA [2A]-12A (1)	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	-	LTE B2	20	700	1940	2x2	1960	4x4	LTE B2	20	700	1940	2x2	1960	4x4	LTE B2	20	700	1940	2x2	24.40	24.20						
CA [2A]-4A-12A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	-	LTE B4	20	2175	2132.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	24.25	24.20							
CA [2A]-[4A]-12A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	-	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.12	24.20							
CA [2A]-[4A]-12A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	2x2	-	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.13	24.20							
CA [2A]-12A-66A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	-	LTE B66	20	66786	2145	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	24.10	24.20							
CA [2A]-12A-66A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	2x2	-	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.06	24.20							
CA [4A]-4A-12A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B4	20	2175	2132.5	4x4	-	LTE B4	10	2350	2150	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	24.04	24.20							
CA [4A]-[4A]-12A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B4	20	2175	2132.5	4x4	-	LTE B4	10	2350	2150	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.05	24.20							
CA [2A]-66A-66A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	-	LTE B66	20	67236	2190	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	24.03	24.20							
CA [2A]-8BC	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B66	20	66786	2145	4x4	-	LTE B66	20	66984	2164.8	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.07	24.20							
CA [2A]-[4A]-12A-66A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	-	LTE B2	20	700	1940	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.06	24.20							
CA [2A]-[4A]-12A-66A	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2	LTE B2	20	900	1960	4x4	-	LTE B66	20	66786	2145	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.08	24.20							

FCC ID: PY7-57441Y	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	 SONY	Reviewed by: Quality Manager
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1.4.3 LTE Band 13 as PCC

Table 9
Maximum Output Powers

Combination	PCB Band	PCC				SSC 1				SSC 2				SSC 3				SSC 4				Power				
		PCB BW [MHz]	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset [MHz]	PCC [DL] Freq. [MHz]	DL Ant. Config.	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. [MHz]	DL Ant. Config.	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. [MHz]	DL Ant. Config.	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. [MHz]	DL Ant. Config.	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]
CA [2A]-2A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B2	20	700	1940	2x2	-	-	-	-	24.6	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4	20	217	2132	5	2x2	-	-	-	25.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4	20	217	2132	5	2x2	-	-	-	24.2	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4	20	217	2132	5	2x2	-	-	-	24.2	24.6
CA [2A]-3A-6A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-6A-6A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B6B	20	6878	2145	4x4	LTE B6B	20	6878	2145	2x2	-	-	-	-	24.0	24.6
CA [2A]-13A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-	-	-	24.0	24.6
CA [2A]-4A-13A	LTE B3	120	2320	782	QPSK	1	0	5230	751	2x2	LTE B3	20	900	1960	4x4	LTE B4B	20	1060	1537	5	2x2	-				

FCC ID: PY7-57441Y	 PCTEST® Proud to be part of eelement	SAR EVALUATION REPORT		Reviewed by: Quality Manager
Test Dates: 08/23/20 - 09/16/20	DUT Type: Portable Handset			APPENDIX F: Page 7 of 9

1.4.4 LTE Band 66 as PCC

Table 10
Maximum Output Powers

[illegible]

FCC ID: PY7-57441Y	 PCTEST® Proud to be part of e element	SAR EVALUATION REPORT	 SONY	Reviewed by: Quality Manager
Test Dates: 08/23/20 - 09/16/20	DUT Type: Portable Handset			APPENDIX F: Page 8 of 9

1.4.5 LTE Band 7 as PCC

Table 11
Maximum Output Powers

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power						
	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] 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/7A	LTE B7	5	20775	2502.5	64QAM	1	12	2775	2622.5	4x4	LTE B2	20	900	1960	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.46	16.39	
CA 5A/7A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.97	16.93	
CA 7A/7A (1)	LTE B7	5	20775	2502.5	64QAM	1	12	2775	2622.5	4x4	LTE B7	20	3350	2680	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.53	16.39	
CA 7A/46A (1)	LTE B7	5	20775	2502.5	64QAM	1	12	2775	2622.5	4x4	LTE B46	20	50805	5537.5	2x2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.55	16.39	
CA 4A/7A/7A	LTE B7	5	20775	2502.5	64QAM	1	12	2775	2622.5	2x2	LTE B7	20	3350	2680	2x2	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	-	16.61	16.39
CA 4A/7A/7A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	3350	2680	4x4	LTE B4	20	2175	2132.5	4x4	-	-	-	-	-	-	-	-	-	-	-	16.39	16.39
CA 5A/7A/7A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	4x4	LTE B7	20	3350	2680	2x2	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	-	-	-	-	-	-	16.37	16.33
CA 5A/7A/7A	LTE B7	10	20800	2505	64QAM	1	0	2800	2625	2x2	LTE B7	20	3350	2680	4x4	LTE B5	10	2525	881.5	2x2	-	-	-	-	-	-	-	-	-	-	-	16.49	16.33
CA 7A/46A (1)	LTE B7	5	20775	2502.5	64QAM	1	12	2775	2622.5	4x4	LTE B46	20	50805	5537.5	2x2	LTE B46	20	50807	5537.7	2x2	-	-	-	-	-	-	-	-	-	-	-	16.49	16.39
CA 7A/46A (1)	LTE B7	5	20775	2502.5	64QAM	1	12	2775	2622.5	4x4	LTE B46	20	50805	5537.5	2x2	LTE B46	20	50807	5537.7	2x2	LTE B46	20	50803	5537.3	2x2	-	-	-	-	-	-	16.47	16.39
CA 7A/46A	LTE B7	5	20775	2502.5	64QAM	1	12	2775	2622.5	4x4	LTE B46	20	50805	5537.5	2x2	LTE B46	20	50807	5537.7	2x2	LTE B46	20	50803	5537.3	2x2	LTE B46	20	50803	5537.3	2x2	16.47	16.39	

1.4.6 LTE Band 41 as PCC

Table 12
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 Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA [41C] (1)	LTE B41	5	41490	2680	QPSK	1	24	41490	2680	4x4	LTE B41	20	41373	2668.3	4x4	-	-	-	-	-	-	14.78	14.80
CA [41D]	LTE B41	10	41490	2680	16QAM	1	49	41490	2680	4x4	LTE B41	20	41346	2665.6	4x4	LTE B41	20	41148	2645.8	4x4	-	14.72	14.71

1.4.7 LTE Band 48 as PCC

Table 13
Maximum Output Powers

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power					
	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] 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 TxPower with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 48A/48A	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	2x2	LTE B48	20	55340	3560	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.48	14.37
CA 48A/48A	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	4x4	LTE B48	20	55340	3560	4x4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.48	14.37
CA 48A/48A	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	LTE B48	20	55340	3560	2x2	14.48	14.37
CA 48C/48C	LTE B48	5	56232	3649.2	16QAM	1	0	56232	3649.2	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	LTE B48	20	55340	3560	4x4	14.48	14.37

FCC ID: PY7-57441Y	 PCTEST Proud to be part of element	SAR EVALUATION REPORT	SONY	Reviewed by: Quality Manager
Test Dates: 08/23/20 - 09/16/20	DUT Type: Portable Handset	APPENDIX F: Page 9 of 9		