

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 active 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.

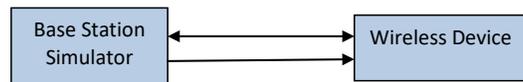


Figure I-1
DL CA Power Measurement Setup

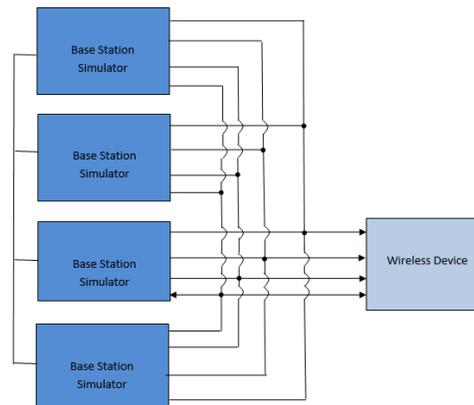


Figure I-2
DL CA with DL 4x4 MIMO Power Measurement Setup

| | | |
|-------------------------------|-----------------------|-----------------------------------|
| FCC ID A3LSMF731B | SAR EVALUATION REPORT | Approved by: Technical Manager |
| DUT Type: Portable Handset | | APPENDIX I: Page 2 of 6 |

I.2 Downlink Carrier Aggregation RF Conducted Powers

I.2.1 LTE Band 12 as PCC

Table I-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 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-12A (1) | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | LTE B2 | 20 | 900 | 1960 | - | - | - | - | - | - | - | - | 25.13 | 25.01 |
| CA_4A-12A (1) | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | LTE B4 | 20 | 2175 | 2132.5 | - | - | - | - | - | - | - | - | 25.14 | 25.01 |
| CA_4A-12A (2) | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | LTE B4 | 20 | 2175 | 2132.5 | - | - | - | - | - | - | - | - | 25.14 | 25.01 |
| CA_12A-25A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | LTE B05 | 20 | 8365 | 1802.5 | - | - | - | - | - | - | - | - | 25.09 | 25.01 |
| CA_12A-66A (1) | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | LTE B66 | 20 | 66786 | 2145 | - | - | - | - | - | - | - | - | 25.12 | 25.01 |
| CA_12A-66A (2) | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | LTE B66 | 20 | 66786 | 2145 | - | - | - | - | - | - | - | - | 25.12 | 25.01 |
| CA_4A-4A-12A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | LTE B4 | 20 | 2175 | 2132.5 | LTE B4 | 10 | 2350 | 2150 | - | - | - | - | 24.87 | 25.01 |
| CA_12A-66A-66A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | LTE B66 | 20 | 66786 | 2145 | LTE B66 | 20 | 67236 | 2190 | - | - | - | - | 24.98 | 25.01 |
| CA_4A-4A-12A-12A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | LTE B12 | 5 | 5085 | 736.3 | LTE B4 | 20 | 2175 | 2132.5 | LTE B4 | 10 | 2350 | 2150 | 24.98 | 25.01 |

I.2.2 LTE Band 13 as PCC

Table I-4
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_2A-13A (2) | LTE B13 | 10 | 23230 | 782 | QPSK | 1 | 0 | 5230 | 751 | LTE B2 | 20 | 900 | 1960 | - | - | - | - | - | - | - | 24.87 | 24.74 |
| 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 | 24.83 | 24.74 | | | |

I.2.3 LTE Band 26 as PCC

Table I-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] | LTE Tx Power with DL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) | | | |
| CA_2A-26A | LTE B26 | 10 | 26990 | 844 | QPSK | 1 | 0 | 8990 | 889 | LTE B2 | 20 | 900 | 1960 | - | - | - | - | - | - | - | 24.97 | 24.95 |
| CA_26A-41A | LTE B26 | 10 | 26990 | 844 | QPSK | 1 | 0 | 8990 | 889 | LTE B41 | 20 | 40620 | 2593 | - | - | - | - | - | - | - | 24.96 | 24.95 |
| CA_26A-41C | LTE B26 | 10 | 26990 | 844 | QPSK | 1 | 0 | 8990 | 889 | LTE B41 | 20 | 40620 | 2593 | LTE B41 | 20 | 40422 | 2573.2 | 25.00 | 24.95 | | | |

I.2.4 LTE Band 66 as PCC

Table I-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] | LTE Tx Power with DL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) | | | |
| CA_2A-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | LTE B2 | 20 | 900 | 1960 | - | - | - | - | - | - | - | 25.31 | 25.13 |
| CA_12A-66A (1) | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | LTE B12 | 10 | 5095 | 737.5 | - | - | - | - | - | - | - | 25.25 | 25.13 |
| CA_12A-66A (2) | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | LTE B12 | 10 | 5095 | 737.5 | - | - | - | - | - | - | - | 25.25 | 25.13 |
| CA_66B | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | LTE B66 | 15 | 66554 | 2121.8 | - | - | - | - | - | - | - | 25.26 | 25.13 |
| CA_2A-5A-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | LTE B2 | 20 | 900 | 1960 | LTE B5 | 10 | 2525 | 881.5 | 25.17 | 25.13 | | | |
| CA_2A-66A-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | LTE B66 | 20 | 67236 | 2190 | LTE B2 | 20 | 900 | 1960 | 25.24 | 25.13 | | | |
| CA_5A-66A-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | LTE B66 | 20 | 67236 | 2190 | LTE B5 | 10 | 2525 | 881.5 | 25.18 | 25.13 | | | |
| CA_5A-66C | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | LTE B66 | 20 | 66578 | 2124.2 | LTE B5 | 10 | 2525 | 881.5 | 25.22 | 25.13 | | | |
| CA_12A-66A-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | LTE B66 | 20 | 67236 | 2190 | LTE B12 | 10 | 5095 | 737.5 | 25.19 | 25.13 | | | |

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| DUT Type: Portable Handset | | APPENDIX I: Page 3 of 6 |

I.2.5 LTE Band 25 as PCC

Table I-7
Maximum Output Powers

| Combination | PCC | | | | | | | | | SCC 1 | | | SCC 2 | | | SCC 3 | | | Power | | | | |
|-------------|----------|--------------|--------------|----------------------|------|-----------|------------------|------------------|----------------------|----------|--------------|------------------|----------------------|----------|--------------|------------------|----------------------|----------|--------------|------------------|----------------------|--|-----------------------------------|
| | PCC Band | PCC BW [MHz] | PCC (UL) Ch. | PCC (UL) Freq. [MHz] | Mod. | PCC UL RB | PCC UL RB Offset | PCC (DL) 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_12A-25A | LTE B25 | 10 | 26640 | 1910 | QPSK | 1 | 25 | 8640 | 1990 | LTE B12 | 10 | 5096 | 737.5 | - | - | - | - | - | - | - | - | 25.24 | 25.19 |

I.2.6 LTE Band 41 as PCC

Table I-8
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 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_41A-41A (1) | LTE B41 | 10 | 40620 | 2593 | QPSK | 1 | 25 | 40620 | 2593 | LTE B41 | 20 | 41490 | 2680 | - | - | - | - | - | - | - | - | - | - | - | - | 24.62 | 24.70 | |
| CA_41A-41C | LTE B41 | 10 | 40620 | 2593 | QPSK | 1 | 25 | 40620 | 2593 | LTE B41 | 20 | 41292 | 2660.2 | LTE B41 | 20 | 41490 | 2680 | - | - | - | - | - | - | - | - | - | 24.75 | 24.70 |
| CA_41A-41A | LTE B41 | 10 | 40620 | 2593 | QPSK | 1 | 25 | 40620 | 2593 | LTE B41 | 20 | 40764 | 2607.4 | LTE B41 | 20 | 41490 | 2680 | - | - | - | - | - | - | - | - | - | 24.75 | 24.70 |
| CA_41A-41D | LTE B41 | 10 | 40620 | 2593 | QPSK | 1 | 25 | 40620 | 2593 | LTE B41 | 20 | 41094 | 2640.4 | LTE B41 | 20 | 41292 | 2660.2 | LTE B41 | 20 | 41490 | 2680 | - | - | - | - | - | 24.75 | 24.70 |
| CA_41D-41A | LTE B41 | 10 | 40620 | 2593 | QPSK | 1 | 25 | 40620 | 2593 | LTE B41 | 20 | 40476 | 2578.6 | LTE B41 | 20 | 40764 | 2607.4 | LTE B41 | 20 | 41490 | 2680 | - | - | - | - | - | 24.90 | 24.70 |
| CA_41C-41C | LTE B41 | 10 | 40620 | 2593 | QPSK | 1 | 25 | 40620 | 2593 | LTE B41 | 20 | 40476 | 2578.6 | LTE B41 | 20 | 41292 | 2660.2 | LTE B41 | 20 | 41490 | 2680 | - | - | - | - | - | 24.75 | 24.70 |
| CA_41E | LTE B41 | 15 | 40620 | 2593 | QPSK | 1 | 74 | 40620 | 2593 | LTE B41 | 20 | 40449 | 2575.9 | LTE B41 | 20 | 40791 | 2610.1 | LTE B41 | 20 | 40989 | 2629.0 | - | - | - | - | - | 24.54 | 24.55 |
| CA_41C-41D | LTE B41 | 10 | 40620 | 2593 | QPSK | 1 | 25 | 40620 | 2593 | LTE B41 | 20 | 40476 | 2578.6 | LTE B41 | 20 | 41094 | 2640.4 | LTE B41 | 20 | 41292 | 2660.2 | LTE B41 | 20 | 41490 | 2680 | 24.67 | 24.76 | |
| CA_41D-41C | LTE B41 | 10 | 40620 | 2593 | QPSK | 1 | 25 | 40620 | 2593 | LTE B41 | 20 | 40476 | 2578.6 | LTE B41 | 20 | 40764 | 2607.4 | LTE B41 | 20 | 41490 | 2680 | 24.68 | 24.70 | | | | | |

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-9
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 | 25.07 | 25.13 | 25.0 |
| 41 | 10 | 40620 | 2593 | QPSK | 1 | 25 | 24.67 | 24.70 | 25.0 |

| | | |
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| FCC ID A3LSMF731B | SAR EVALUATION REPORT | Approved by: Technical Manager |
| DUT Type: Portable Handset | | APPENDIX I: Page 4 of 6 |

I.3.2 LTE Band 12 as PCC

**Table I-10
Maximum Output Powers**

| Combination | PCC Band | PCC | | | | | | | | | | SCC 1 | | | | SCC 2 | | | | SCC 3 | | | | Power | | | | | | |
|--------------------|----------|--------------|--------------|----------------------|------|------------|------------------|--------------|----------------------|-----------------|----------|--------------|--------------|----------------------|-----------------|----------|--------------|--------------|----------------------|-----------------|----------|--------------|--------------|----------------------|-----------------|---------------------------------|-----------------------------------|-------|-------|-------|
| | | PCC BW [MHz] | PCC (UL) Ch. | PCC (UL) Freq. [MHz] | Mod. | PCC UL# RB | PCC UL RB Offset | PCC (DL) Ch. | PCC (DL) Freq. [MHz] | DL Ant. Config. | SCC Band | SCC BW [MHz] | SCC (DL) Ch. | SCC (DL) Freq. [MHz] | DL Ant. Config. | SCC Band | SCC BW [MHz] | SCC (DL) Ch. | SCC (DL) Freq. [MHz] | DL Ant. Config. | SCC Band | SCC BW [MHz] | SCC (DL) Ch. | SCC (DL) Freq. [MHz] | DL Ant. Config. | LTE Tx Power with DL CA Enabled | LTE Single Carrier Tx Power (dBm) | | | |
| CA [4A]-12A (1) | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B4 | 20 | 2175 | 2132.5 | 4x4 | - | - | - | - | - | - | - | - | - | - | - | - | 24.92 | 25.01 | |
| CA [4A]-12A (2) | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B4 | 20 | 2175 | 2132.5 | 4x4 | - | - | - | - | - | - | - | - | - | - | - | - | 24.92 | 25.01 | |
| CA [12A]-66A (1) | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B66 | 20 | 66786 | 2145 | 4x4 | - | - | - | - | - | - | - | - | - | - | - | - | 24.90 | 25.01 | |
| CA [12A]-66A (2) | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B66 | 20 | 66786 | 2145 | 4x4 | - | - | - | - | - | - | - | - | - | - | - | - | 24.90 | 25.01 | |
| CA [4A]-4A-12A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B4 | 20 | 2175 | 2132.5 | 4x4 | LTE B4 | 10 | 2350 | 2150 | 2x2 | - | - | - | - | - | - | - | - | 24.58 | 25.01 |
| CA [4A]-4A-12A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B4 | 20 | 2175 | 2132.5 | 4x4 | LTE B4 | 10 | 2350 | 2150 | 4x4 | - | - | - | - | - | - | - | - | 24.88 | 25.01 |
| CA [12A]-66A-66A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B66 | 20 | 66786 | 2145 | 4x4 | LTE B66 | 20 | 67236 | 2190 | 2x2 | - | - | - | - | - | - | - | - | 24.87 | 25.01 |
| CA [12A]-66A-66A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B66 | 20 | 66786 | 2145 | 4x4 | LTE B66 | 20 | 67236 | 2190 | 4x4 | - | - | - | - | - | - | - | - | 24.89 | 25.01 |
| CA [4A]-4A-12A-12A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B12 | 5 | 5083 | 736.3 | 2x2 | LTE B4 | 20 | 2175 | 2132.5 | 4x4 | LTE B4 | 10 | 2350 | 2150 | 2x2 | - | - | - | 25.03 | 25.01 |
| CA [4A]-4A-12A-12A | LTE B12 | 5 | 23035 | 701.5 | QPSK | 1 | 12 | 5035 | 731.5 | 2x2 | LTE B12 | 5 | 5083 | 736.3 | 2x2 | LTE B4 | 20 | 2175 | 2132.5 | 4x4 | LTE B4 | 10 | 2350 | 2150 | 4x4 | - | - | - | 25.00 | 25.01 |

I.3.3 LTE Band 13 as PCC

**Table I-11
Maximum Output Powers**

| Combination | PCC Band | PCC | | | | | | | | | | SCC 1 | | | | SCC 2 | | | | Power | | | | | | | | | |
|--------------|----------|--------------|--------------|----------------------|------|------------|------------------|--------------|----------------------|-----------------|----------|--------------|--------------|----------------------|-----------------|----------|--------------|--------------|----------------------|-----------------|---------------------------------|-----------------------------------|---|---|---|---|---|-------|-------|
| | | PCC BW [MHz] | PCC (UL) Ch. | PCC (UL) Freq. [MHz] | Mod. | PCC UL# RB | PCC UL RB Offset | PCC (DL) Ch. | PCC (DL) Freq. [MHz] | DL Ant. Config. | SCC Band | SCC BW [MHz] | SCC (DL) Ch. | SCC (DL) Freq. [MHz] | DL Ant. Config. | SCC Band | SCC BW [MHz] | SCC (DL) Ch. | SCC (DL) Freq. [MHz] | DL Ant. Config. | LTE Tx Power with DL CA Enabled | LTE Single Carrier Tx Power (dBm) | | | | | | | |
| CA 2A-4A-13A | LTE B13 | 10 | 23230 | 782 | QPSK | 1 | 0 | 5230 | 751 | 2x2 | LTE B2 | 20 | 900 | 1960 | 2x2 | LTE B4 | 20 | 2175 | 2132.5 | 4x4 | - | - | - | - | - | - | - | 24.78 | 24.74 |

I.3.4 LTE Band 26 as PCC

**Table I-12
Maximum Output Powers**

| Combination | PCC Band | PCC | | | | | | | | | | SCC 1 | | | | SCC 2 | | | | Power | | | | | | | | | | |
|-------------|----------|--------------|--------------|----------------------|------|------------|------------------|--------------|----------------------|-----------------|----------|--------------|--------------|----------------------|-----------------|----------|--------------|--------------|----------------------|-----------------|---------------------------------|-----------------------------------|---|---|---|---|---|-------|-------|-------|
| | | PCC BW [MHz] | PCC (UL) Ch. | PCC (UL) Freq. [MHz] | Mod. | PCC UL# RB | PCC UL RB Offset | PCC (DL) Ch. | PCC (DL) Freq. [MHz] | DL Ant. Config. | SCC Band | SCC BW [MHz] | SCC (DL) Ch. | SCC (DL) Freq. [MHz] | DL Ant. Config. | SCC Band | SCC BW [MHz] | SCC (DL) Ch. | SCC (DL) Freq. [MHz] | DL Ant. Config. | LTE Tx Power with DL CA Enabled | LTE Single Carrier Tx Power (dBm) | | | | | | | | |
| CA_26A-41A | LTE B26 | 10 | 26990 | 844 | QPSK | 1 | 0 | 8990 | 889 | 2x2 | LTE B41 | 20 | 40620 | 2593 | 4x4 | - | - | - | - | - | - | - | - | - | - | - | - | 24.75 | 24.95 | |
| CA_26A-41C | LTE B26 | 10 | 26990 | 844 | QPSK | 1 | 0 | 8990 | 889 | 2x2 | LTE B41 | 20 | 40620 | 2593 | 4x4 | LTE B41 | 20 | 40422 | 2573.2 | 4x4 | - | - | - | - | - | - | - | - | 24.80 | 24.95 |

I.3.5 LTE Band 66 as PCC

**Table I-13
Maximum Output Powers**

| Combination | PCC Band | PCC | | | | | | | | | | SCC 1 | | | | SCC 2 | | | | Power | | | | | | | | | | |
|------------------|----------|--------------|--------------|----------------------|------|------------|------------------|--------------|----------------------|-----------------|----------|--------------|--------------|----------------------|-----------------|----------|--------------|--------------|----------------------|-----------------|---------------------------------|-----------------------------------|---|---|---|---|---|-------|-------|-------|
| | | PCC BW [MHz] | PCC (UL) Ch. | PCC (UL) Freq. [MHz] | Mod. | PCC UL# RB | PCC UL RB Offset | PCC (DL) Ch. | PCC (DL) Freq. [MHz] | DL Ant. Config. | SCC Band | SCC BW [MHz] | SCC (DL) Ch. | SCC (DL) Freq. [MHz] | DL Ant. Config. | SCC Band | SCC BW [MHz] | SCC (DL) Ch. | SCC (DL) Freq. [MHz] | DL Ant. Config. | LTE Tx Power with DL CA Enabled | LTE Single Carrier Tx Power (dBm) | | | | | | | | |
| CA_2A-[66A] | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B2 | 20 | 900 | 1960 | 2x2 | - | - | - | - | - | - | - | - | - | - | - | - | 25.03 | 25.13 | |
| CA [12A]-66A (1) | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B12 | 10 | 5095 | 737.5 | 2x2 | - | - | - | - | - | - | - | - | - | - | - | - | 25.03 | 25.13 | |
| CA [12A]-66A (2) | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B12 | 10 | 5095 | 737.5 | 2x2 | - | - | - | - | - | - | - | - | - | - | - | - | 25.03 | 25.13 | |
| CA [66B] | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B66 | 15 | 66554 | 2121.8 | 4x4 | - | - | - | - | - | - | - | - | - | - | - | - | 25.02 | 25.13 | |
| CA 2A-5A-[66A] | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B2 | 20 | 900 | 1960 | 2x2 | LTE B5 | 10 | 2525 | 881.5 | 2x2 | - | - | - | - | - | - | - | - | 25.18 | 25.13 |
| CA 2A-[66A]-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B66 | 20 | 67236 | 2190 | 2x2 | LTE B2 | 20 | 900 | 1960 | 2x2 | - | - | - | - | - | - | - | - | 25.18 | 25.13 |
| CA 2A-[66A]-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B66 | 20 | 67236 | 2190 | 2x2 | LTE B2 | 20 | 900 | 1960 | 2x2 | - | - | - | - | - | - | - | - | 25.15 | 25.13 |
| CA 2A-[66A]-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B66 | 20 | 67236 | 2190 | 4x4 | LTE B2 | 20 | 900 | 1960 | 2x2 | - | - | - | - | - | - | - | - | 25.20 | 25.13 |
| CA 5A-[66A]-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B66 | 20 | 67236 | 2190 | 2x2 | LTE B5 | 10 | 2525 | 881.5 | 2x2 | - | - | - | - | - | - | - | - | 25.19 | 25.13 |
| CA 5A-[66A]-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 2x2 | LTE B66 | 20 | 67236 | 2190 | 4x4 | LTE B5 | 10 | 2525 | 881.5 | 2x2 | - | - | - | - | - | - | - | - | 25.13 | 25.13 |
| CA 5A-[66A]-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B66 | 20 | 67236 | 2190 | 4x4 | LTE B5 | 10 | 2525 | 881.5 | 2x2 | - | - | - | - | - | - | - | - | 25.19 | 25.13 |
| CA 5A-[66C] | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B66 | 20 | 66578 | 2124.2 | 4x4 | LTE B5 | 10 | 2525 | 881.5 | 2x2 | - | - | - | - | - | - | - | - | 25.16 | 25.13 |
| CA [12A]-66A-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B66 | 20 | 67236 | 2190 | 2x2 | LTE B12 | 10 | 5095 | 737.5 | 2x2 | - | - | - | - | - | - | - | - | 25.19 | 25.13 |
| CA [12A]-66A-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 2x2 | LTE B66 | 20 | 67236 | 2190 | 4x4 | LTE B12 | 10 | 5095 | 737.5 | 2x2 | - | - | - | - | - | - | - | - | 25.16 | 25.13 |
| CA [12A]-66A-66A | LTE B66 | 5 | 131997 | 1712.5 | QPSK | 1 | 12 | 66461 | 2112.5 | 4x4 | LTE B66 | 20 | 67236 | 2190 | 4x4 | LTE B12 | 10 | 5095 | 737.5 | 2x2 | - | - | - | - | - | - | - | - | 25.09 | 25.13 |

| | | |
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| FCC ID A3LSMF731B | SAR EVALUATION REPORT | Approved by: Technical Manager |
| DUT Type: Portable Handset | | APPENDIX I: Page 5 of 6 |

