

2CC DLCA Measured Results

| E-UTRA CA configuration | CC1 (UL) | | | | | CC2 (DL) | | | Aggregated BW | CA Inactive (dBm) | CA Active (dBm) | Delta | 2CC # |
|-------------------------|----------|----------|---------|------------|-----------|----------|---------|------------|---------------|-------------------|-----------------|-------|-------|
| | Mode | BW (MHz) | Channel | Freq (MHz) | RB,Offset | BW (MHz) | Channel | Freq (MHz) | | | | | |
| CA_2A-17A | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 5790 | 740 | 30 | 22.97 | 22.96 | -0.01 | 8 |
| CA_2C | QPSK | 20 | 18801 | 1870.1 | 1,49 | 20 | 999 | 1969.9 | 40 | 23.13 | 23.11 | -0.02 | 15 |
| CA_4A-17A | QPSK | 10 | 20175 | 1732.5 | 1,24 | 10 | 5790 | 740 | 20 | 22.94 | 22.85 | -0.09 | 21 |
| CA_4A-48A | QPSK | 20 | 20175 | 1732.5 | 1,49 | 20 | 55990 | 3625 | 40 | 23.01 | 23.02 | 0.01 | 24 |
| CA_5A-17A | QPSK | 10 | 20525 | 836.5 | 1,24 | 10 | 5790 | 740 | 20 | 22.91 | 22.90 | -0.01 | 30 |
| CA_5A-25A | QPSK | 10 | 20525 | 836.5 | 1,24 | 20 | 8365 | 1962.5 | 30 | 22.90 | 22.87 | -0.03 | 31 |
| CA_7A-30A | QPSK | 20 | 21100 | 2535 | 1,49 | 10 | 9820 | 2355 | 30 | 22.39 | 22.37 | -0.02 | 43 |
| CA_41A-41A | QPSK | 20 | 39750 | 2506 | 1,0 | 20 | 41292 | 2660.2 | 40 | 22.43 | 22.44 | 0.01 | 48 |
| CA_41C | QPSK | 20 | 40521 | 2583.1 | 1,49 | 20 | 40179 | 2602.9 | 40 | 23.19 | 23.17 | -0.02 | 49 |
| CA_48A-71A | QPSK | 20 | 55990 | 3625 | 1,49 | 20 | 68786 | 637 | 40 | 22.22 | 22.21 | -0.01 | 52 |

3CC DLCA Measured Results

| E-UTRA CA configuration | CC1 (UL) | | | | | CC2 (DL) | | | CC3 (DL) | | | Aggregated BW | CA Inactive (dBm) | CA Active (dBm) | Delta | 3CC # |
|-------------------------|----------|----------|---------|------------|-----------|----------|---------|------------|----------|---------|------------|---------------|-------------------|-----------------|-------|-------|
| | Mode | BW (MHz) | Channel | Freq (MHz) | RB,Offset | BW (MHz) | Channel | Freq (MHz) | BW (MHz) | Channel | Freq (MHz) | | | | | |
| CA_2A-4A-7A | QPSK | 20 | 18900 | 1880 | 1,49 | 20 | 2175 | 2132.5 | 20 | 3100 | 2655 | 60 | 23.04 | 23.04 | 0.00 | 14 |
| CA_2A-4A-29A | QPSK | 20 | 18900 | 1880 | 1,49 | 20 | 2175 | 2132.5 | 10 | 9715 | 722.5 | 50 | 23.06 | 23.08 | 0.02 | 17 |
| CA_2A-4A-30A | QPSK | 20 | 18900 | 1880 | 1,49 | 20 | 2175 | 2132.5 | 10 | 9820 | 2355 | 50 | 23.12 | 23.07 | -0.05 | 18 |
| CA_2A-5A-5A | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 2450 | 874 | 10 | 2600 | 889 | 40 | 23.08 | 23.08 | 0.00 | 20 |
| CA_2A-5A-12A | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 2525 | 881.5 | 10 | 5095 | 737.5 | 40 | 23.10 | 23.08 | -0.02 | 21 |
| CA_2A-5A-13A | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 2525 | 881.5 | 10 | 5230 | 751 | 40 | 23.07 | 23.07 | 0.00 | 22 |
| CA_2A-5A-29A | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 2525 | 881.5 | 10 | 9715 | 722.5 | 40 | 23.09 | 23.02 | -0.07 | 23 |
| CA_2A-5A-48A | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 2525 | 881.5 | 20 | 55990 | 3625 | 50 | 22.99 | 23.00 | 0.01 | 25 |
| CA_2A-12A-12A | QPSK | 20 | 18900 | 1880 | 1,24 | 5 | 5035 | 731.5 | 5 | 5155 | 743.5 | 30 | 22.98 | 22.99 | 0.01 | 26 |
| CA_2A-12A-71A | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 5095 | 737.5 | 20 | 68786 | 637 | 50 | 22.98 | 22.88 | -0.10 | 29 |
| CA_2A-26A-66A | QPSK | 20 | 18900 | 1880 | 1,49 | 15 | 8865 | 876.5 | 20 | 66536 | 2120 | 55 | 23.00 | 23.00 | 0.00 | 35 |
| CA_5A-12A-66A | QPSK | 10 | 20525 | 836.5 | 1,24 | 10 | 5095 | 737.5 | 20 | 66536 | 2120 | 40 | 22.96 | 22.89 | -0.07 | 46 |
| CA_5A-12B | QPSK | 10 | 20525 | 836.5 | 1,24 | 5 | 5048 | 732.8 | 10 | 5120 | 740 | 25 | 22.90 | 22.87 | -0.03 | 47 |
| CA_7A-7A-12A | QPSK | 20 | 20850 | 2510 | 1,49 | 20 | 3350 | 2680 | 10 | 5095 | 737.5 | 50 | 22.75 | 22.69 | -0.06 | 57 |
| CA_7A-7A-26A | QPSK | 20 | 20850 | 2510 | 1,49 | 20 | 3350 | 2680 | 15 | 8865 | 876.5 | 55 | 22.52 | 22.53 | 0.01 | 60 |
| CA_66A-66C | QPSK | 20 | 132322 | 1745 | 1,49 | 20 | 66787 | 2145.1 | 20 | 66985 | 2164.9 | 60 | 23.09 | 23.08 | -0.01 | 65 |
| CA_66C-71A | QPSK | 20 | 132323 | 1745.1 | 1,49 | 20 | 66985 | 2164.9 | 20 | 68786 | 637 | 60 | 23.11 | 23.14 | 0.03 | 66 |

4CC DLCA Measured Results

| E-UTRA CA configuration | CC1 (UL) | | | | | CC2 (DL) | | | CC3 (DL) | | | CC4 (DL) | | | Aggregated BW | CA Inactive (dBm) | CA Active (dBm) | Delta | 4CC # |
|-------------------------|----------|----------|---------|------------|-----------|----------|---------|------------|----------|---------|------------|----------|---------|------------|---------------|-------------------|-----------------|-------|-------|
| | Mode | BW (MHz) | Channel | Freq (MHz) | RB,Offset | BW (MHz) | Channel | Freq (MHz) | BW (MHz) | Channel | Freq (MHz) | BW (MHz) | Channel | Freq (MHz) | | | | | |
| CA_2A-2A-4A-12A | QPSK | 20 | 18900 | 1880 | 1,49 | 20 | 1100 | 1980 | 20 | 2175 | 2132.5 | 10 | 5095 | 737.5 | 70 | 22.96 | 22.99 | 0.03 | 9 |
| CA_2A-2A-4A-71A | QPSK | 20 | 18900 | 1880 | 1,49 | 20 | 1100 | 1980 | 20 | 2175 | 2132.5 | 20 | 68786 | 637 | 80 | 23.14 | 23.14 | 0.00 | 11 |
| CA_2A-2A-5A-7A | QPSK | 20 | 18900 | 1880 | 1,49 | 20 | 1100 | 1980 | 10 | 2525 | 881.5 | 20 | 3100 | 2655 | 70 | 23.11 | 23.11 | 0.00 | 12 |
| CA_2A-12A-66C | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 5095 | 737.5 | 20 | 66787 | 2145.1 | 20 | 66985 | 2164.9 | 70 | 23.13 | 23.12 | -0.01 | 27 |
| CA_2A-13A-66A-66A | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 5230 | 751 | 20 | 66536 | 2120 | 20 | 67236 | 2190 | 70 | 23.09 | 23.10 | 0.01 | 32 |
| CA_2A-13A-66B | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 5230 | 751 | 10 | 66837 | 2150.1 | 10 | 66936 | 2160 | 50 | 23.15 | 23.15 | 0.00 | 33 |
| CA_2A-13A-66C | QPSK | 20 | 18900 | 1880 | 1,49 | 10 | 5230 | 751 | 20 | 66787 | 2145.1 | 20 | 66985 | 2164.9 | 70 | 23.14 | 23.12 | -0.02 | 34 |
| CA_4A-4A-12B | QPSK | 20 | 20050 | 1720 | 1,49 | 20 | 2300 | 2145 | 5 | 5048 | 732.8 | 10 | 5120 | 740 | 55 | 23.20 | 23.19 | -0.01 | 40 |
| CA_4A-48D | QPSK | 20 | 20050 | 1720 | 1,49 | 20 | 55792 | 3605.2 | 20 | 55990 | 3625 | 20 | 56188 | 3644.8 | 80 | 23.19 | 23.20 | 0.01 | 41 |
| CA_5A-5A-66A-66A | QPSK | 10 | 20450 | 829 | 1,49 | 10 | 2600 | 889 | 20 | 66536 | 2120 | 20 | 67236 | 2190 | 60 | 23.22 | 23.23 | 0.01 | 42 |
| CA_5A-5A-66B | QPSK | 10 | 20450 | 829 | 1,49 | 10 | 2600 | 889 | 10 | 66837 | 2150.1 | 10 | 66936 | 2160 | 40 | 23.28 | 23.28 | 0.00 | 43 |
| CA_5A-5A-66C | QPSK | 10 | 20450 | 829 | 1,49 | 10 | 2600 | 889 | 20 | 66787 | 2145.1 | 20 | 66985 | 2164.9 | 60 | 23.21 | 23.22 | 0.01 | 44 |
| CA_5A-7A-7A-66A | QPSK | 10 | 20525 | 836.5 | 1,24 | 20 | 2850 | 2630 | 20 | 3350 | 2680 | 20 | 66536 | 2120 | 70 | 23.20 | 23.22 | 0.02 | 45 |
| CA_5A-7A-66A-66A | QPSK | 10 | 20525 | 836.5 | 1,24 | 20 | 2850 | 2630 | 20 | 66536 | 2120 | 20 | 67236 | 2190 | 70 | 23.15 | 23.09 | -0.06 | 46 |
| CA_5A-7C-66A | QPSK | 10 | 20525 | 836.5 | 1,24 | 20 | 3001 | 2645.1 | 20 | 3199 | 2664.9 | 20 | 66536 | 2120 | 70 | 23.15 | 23.15 | 0.00 | 47 |
| CA_5A-48A-48A-66A | QPSK | 10 | 20525 | 836.5 | 1,24 | 20 | 55340 | 3560 | 20 | 56640 | 3690 | 20 | 66536 | 2120 | 70 | 22.72 | 22.71 | -0.01 | 50 |
| CA_5A-48A-48C | QPSK | 10 | 20525 | 836.5 | 1,24 | 20 | 55990 | 3625 | 20 | 55891 | 3615.1 | 20 | 56089 | 3634.9 | 70 | 22.79 | 22.70 | -0.09 | 51 |
| CA_5A-48A-66A-66A | QPSK | 10 | 20525 | 836.5 | 1,24 | 20 | 55934 | 3619.4 | 20 | 66536 | 2120 | 20 | 67236 | 2190 | 70 | 22.68 | 22.67 | -0.01 | 52 |
| CA_5A-48C-48A | QPSK | 10 | 20525 | 836.5 | 1,24 | 20 | 55891 | 3615.1 | 20 | 56089 | 3634.9 | 20 | 55990 | 3625 | 70 | 23.70 | 23.69 | -0.01 | 53 |
| CA_5A-48D | QPSK | 10 | 20525 | 836.5 | 1,24 | 20 | 55792 | 3605.2 | 20 | 55990 | 3625 | 20 | 56188 | 3644.8 | 70 | 23.68 | 23.66 | -0.02 | 55 |
| CA_5B-66B | QPSK | 10 | 20476 | 831.6 | 1,24 | 10 | 2575 | 886.5 | 10 | 67187 | 2185.1 | 10 | 67286 | 2195 | 40 | 22.56 | 22.58 | 0.02 | 58 |
| CA_5B-66C | QPSK | 10 | 20476 | 831.6 | 1,24 | 10 | 2575 | 886.5 | 20 | 67038 | 2170.2 | 20 | 67236 | 2190 | 60 | 22.78 | 22.80 | 0.02 | 59 |
| CA_7A-7A-13A-66A | QPSK | 20 | 20850 | 2510 | 1,49 | 20 | 3350 | 2680 | 10 | 5230 | 751 | 20 | 66786 | 2145 | 70 | 23.31 | 23.30 | -0.01 | 60 |
| CA_7A-7A-25A-25A | QPSK | 20 | 20850 | 2510 | 1,49 | 20 | 3350 | 2680 | 20 | 8140 | 1940 | 20 | 8590 | 1985 | 80 | 23.33 | 23.35 | 0.02 | 61 |
| CA_7A-7A-25A-66A | QPSK | 20 | 20850 | 2510 | 1,49 | 20 | 3350 | 2680 | 20 | 8365 | 1962.5 | 20 | 66786 | 2145 | 80 | 23.31 | 23.32 | 0.01 | 62 |
| CA_7A-7A-29A-66A | QPSK | 20 | 20850 | 2510 | 1,49 | 20 | 3350 | 2680 | 10 | 9715 | 722.5 | 20 | 66786 | 2145 | 70 | 23.34 | 23.34 | 0.00 | 63 |
| CA_7A-7A-66A-66A | QPSK | 20 | 20850 | 2510 | 1,49 | 20 | 3350 | 2680 | 20 | 66536 | 2120 | 20 | 67236 | 2190 | 80 | 23.39 | 23.40 | 0.01 | 64 |
| CA_7A-12A-66A-66A | QPSK | 20 | 20850 | 2510 | 1,49 | 10 | 5095 | 737.5 | 20 | 66536 | 2120 | 20 | 67236 | 2190 | 70 | 23.35 | 23.36 | 0.01 | 65 |
| CA_7A-25A-25A-66A | QPSK | 20 | 20850 | 2510 | 1,49 | 20 | 8140 | 1940 | 20 | 8590 | 1985 | 20 | 66786 | 2145 | 80 | 23.36 | 23.40 | 0.04 | 66 |
| CA_7A-66A-66A-71A | QPSK | 20 | 20850 | 2510 | 1,49 | 20 | 66536 | 2120 | 20 | 67236 | 2190 | 20 | 68786 | 637 | 80 | 23.37 | 23.37 | 0.00 | 67 |
| CA_7C-13A-25A | QPSK | 20 | 21001 | 2525.1 | 1,0 | 20 | 3199 | 2664.9 | 10 | 5230 | 1940 | 20 | 8590 | 1985 | 70 | 22.52 | 22.54 | 0.02 | 68 |
| CA_7C-25A-25A | QPSK | 20 | 21001 | 2525.1 | 1,0 | 20 | 3199 | 2664.9 | 20 | 8140 | 1940 | 20 | 8590 | 1985 | 80 | 23.57 | 23.54 | -0.03 | 69 |
| CA_7C-25A-66A | QPSK | 20 | 21001 | 2525.1 | 1,0 | 20 | 3199 | 2664.9 | 20 | 8365 | 1962.5 | 20 | 66786 | 2145 | 80 | 23.55 | 23.55 | 0.00 | 70 |
| CA_7C-29A-66A | QPSK | 20 | 21001 | 2525.1 | 1,0 | 20 | 3199 | 2664.9 | 10 | 9715 | 722.5 | 20 | 66786 | 2145 | 70 | 23.55 | 23.52 | -0.03 | 71 |
| CA_7C-66A-66A | QPSK | 20 | 21001 | 2525.1 | 1,0 | 20 | 3199 | 2664.9 | 20 | 66536 | 2120 | 20 | 67236 | 2190 | 80 | 23.40 | 23.36 | -0.04 | 72 |
| CA_13A-48A-48A-48A | QPSK | 10 | 23230 | 782 | 1,24 | 20 | 55340 | 3560 | 20 | 55990 | 3625 | 20 | 56640 | 3690 | 70 | 23.26 | 23.28 | 0.02 | 76 |
| CA_13A-48A-66B | QPSK | 10 | 23230 | 782 | 1,24 | 20 | 55934 | 3619.4 | 10 | 67187 | 2185.1 | 10 | 67286 | 2195 | 50 | 23.14 | 23.08 | -0.06 | 79 |
| CA_13A-48A-66C | QPSK | 10 | 23230 | 782 | 1,24 | 20 | 55934 | 3619.4 | 20 | 67038 | 2170.2 | 20 | 67236 | 2190 | 70 | 23.08 | 23.15 | 0.07 | 80 |
| CA_13A-66A-66A-66A | QPSK | 10 | 23230 | 782 | 1,24 | 20 | 66536 | 2120 | 20 | 66886 | 2155 | 20 | 67236 | 2190 | 70 | 23.11 | 23.06 | -0.05 | 84 |
| CA_13A-66A-66B | QPSK | 10 | 23230 | 782 | 1,24 | 20 | 66886 | 2155 | 10 | 67187 | 2185.1 | 10 | 67286 | 2195 | 50 | 22.96 | 22.92 | -0.04 | 85 |
| CA_25A-41D | QPSK | 5 | 26665 | 1912.5 | 1,24 | 20 | 41094 | 2640.4 | 20 | 41292 | 2660.2 | 20 | 41490 | 2680 | 65 | 22.49 | 22.45 | -0.04 | 88 |

