LTE Downlink Carrier Aggregation configurations

1. DL Inter Band(2CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-4A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	40
		Band 4			Yes	Yes	Yes	Yes	
	(1)	Band 2			Yes	Yes			20
		Band 4			Yes	Yes			
	(2)	Band 2			Yes	Yes	Yes	Yes	40
		Band 4			Yes	Yes	Yes	Yes	
2A-5A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 5			Yes	Yes			
2A-12A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
	(1)	Band 2			Yes	Yes	Yes	Yes	30
		Band 12		Yes	Yes	Yes			
	(2)	Band 2			Yes	Yes			20
		Band 12			Yes	Yes			
2A-13A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 13				Yes			
	(1)	Band 2			Yes	Yes			20
		Band 13				Yes			
	(2)	Band 2			Yes	Yes	Yes	Yes	20
		Band 13			Yes	Yes			
2A-29A	(0)	Band 2			Yes	Yes			20
		Band 29		Yes	Yes	Yes			
	(1)	Band 2			Yes	Yes			20
		Band 29			Yes	Yes			
	(2)	Band 2			Yes	Yes	Yes	Yes	30
		Band 29			Yes	Yes			
2A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 30			Yes	Yes			
2A-66A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	40
		Band 66			Yes	Yes	Yes	Yes	
	(1)	Band 2			Yes	Yes			20
		Band 66			Yes	Yes			
	(2)	Band 2			Yes	Yes	Yes	Yes	40
		Band 66			Yes	Yes	Yes	Yes	
2A-71A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 71			Yes	Yes	Yes	Yes	
	(1)	Band 2			Yes	Yes			20
		Band 71			Yes	Yes			
4A-5A	(0)	Band 4			Yes	Yes			20
		Band 5			Yes	Yes			
	(2)	Band 4			Yes	Yes	Yes	Yes	30
		Band 5			Yes	Yes			
4A-12A	(0)	Band 4	Yes	Yes	Yes	Yes			20
		Band 12			Yes	Yes			
	(1)	Band 4	Yes	Yes	Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
	(2)	Band 4			Yes	Yes	Yes	Yes	30
		Band 12		Yes	Yes	Yes			
	(3)	Band 4			Yes	Yes			20
		Band 12			Yes	Yes			
	(4)	Band 4			Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
	(5)	Band 4			Yes	Yes	Yes		20
		Band 12			Yes				
4A-13A	(0)	Band 4			Yes	Yes	Yes	Yes	30
		Band 13				Yes			
	(1)	Band 4			Yes	Yes			20
		Band 13				Yes			

2. DL Inter Band(3CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-2A-4A	(0)	Band 2	2A-2A BCS 0						60
		Band 4			Yes	Yes	Yes	Yes	
2A-2A-5A	(0)	Band 2	2A-2A BCS 0						50
		Band 5			Yes	Yes			
2A-2A-12A	(0)	Band 2	2A-2A BCS 0						50
		Band 12			Yes	Yes			
2A-2A-13A	(0)	Band 2	2A-2A BCS 0						50
		Band 13				Yes			
	(1)	Band 2	2A-2A BCS 0						50
		Band 13			Yes	Yes			
2A-2A-66A	(0)	Band 2	2A-2A BCS 0						60
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-71A	(0)	Band 2	2A-2A BCS 0						60
		Band 71			Yes	Yes	Yes	Yes	
2A-4A-4A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 4	4A-4A BCS 0						
2A-4A-5A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 4			Yes	Yes	Yes	Yes	
		Band 5			Yes	Yes			
2A-4A-12A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 4			Yes	Yes	Yes	Yes	
		Band 12			Yes	Yes			
2A-4A-71A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 4			Yes	Yes	Yes	Yes	
		Band 71			Yes	Yes	Yes	Yes	
2A-5A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 5			Yes	Yes			
		Band 30			Yes	Yes			
2A-5A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 5			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-12A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 12			Yes	Yes			
		Band 30			Yes	Yes			
2A-12A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 12			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-12B	(0)	Band 2			Yes	Yes	Yes	Yes	35
		Band 12	12B BCS 0						
2A-13A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 13			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-29A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 29			Yes	Yes			
		Band 30			Yes	Yes			
2A-29A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 29			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-30A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 66	66A-66A BCS 0						
2A-66A-71A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 66			Yes	Yes	Yes	Yes	
		Band 71			Yes	Yes	Yes	Yes	
2A-66B	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 66	66B BCS 0						

3. DL Inter Band(4CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-2A-4A-4A	(0)	Band 2	2A-2A BCS 0						80
		Band 4	4A-4A BCS 0						
2A-2A-4A-5A	(0)	Band 2	2A-2A BCS 0						70
		Band 4			Yes	Yes	Yes	Yes	
		Band 5			Yes	Yes			
2A-2A-4A-12A	(0)	Band 2	2A-2A BCS 0						70
		Band 4			Yes	Yes	Yes	Yes	
		Band 12			Yes	Yes			
2A-2A-4A-71A	(0)	Band 2	2A-2A BCS 0						80
		Band 4			Yes	Yes	Yes	Yes	
		Band 71			Yes	Yes	Yes	Yes	
2A-2A-5A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 5			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-12A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 12			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-12B	(0)	Band 2	2A-2A BCS 0						55
		Band 12	12B BCS 0						
2A-2A-13A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 13			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-66A-66A	(0)	Band 2	2A-2A BCS 0						80
		Band 66	66A-66A BCS 0						
2A-2A-66A-71A	(0)	Band 2	2A-2A BCS 0						80
		Band 66			Yes	Yes	Yes	Yes	
		Band 71			Yes	Yes	Yes	Yes	
2A-2A-66C	(0)	Band 2	2A-2A BCS 0						80
		Band 66	66C BCS 0						
2A-4A-4A-5A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 4	4A-4A BCS 0						
		Band 5			Yes	Yes			
2A-4A-4A-12A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 4	4A-4A BCS 0						
		Band 12			Yes	Yes			
2A-4A-12B	(0)	Band 2			Yes	Yes	Yes	Yes	55
		Band 4			Yes	Yes	Yes	Yes	
		Band 12	12B BCS 0						
2A-5A-30A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 5			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-5A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-5A-66C	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 66	66C BCS 0						
2A-12A-30A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 12			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-12A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 12			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-12A-66C	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 12			Yes	Yes			
		Band 66	66C BCS 0						

LTE Downlink Carrier Aggregation configurations (Continued)

1. DL Inter Band(2CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
4A-71A	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 71			Yes	Yes	Yes	Yes	
5A-30A	(0)	Band 5			Yes	Yes			20
		Band 30			Yes	Yes			
5A-66A	(0)	Band 5			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
12A-30A	(0)	Band 12			Yes	Yes			20
		Band 30			Yes	Yes			
12A-66A	(0)	Band 12			Yes	Yes			20
		Band 66	Yes	Yes	Yes	Yes			
	(1)	Band 12			Yes	Yes			30
		Band 66	Yes	Yes	Yes	Yes	Yes	Yes	
	(2)	Band 12		Yes	Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
	(3)	Band 12			Yes	Yes			20
		Band 66			Yes	Yes			
	(4)	Band 12			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
	(5)	Band 12			Yes				20
		Band 66			Yes	Yes	Yes		
13A-66A	(0)	Band 13			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
29A-30A	(0)	Band 29			Yes	Yes			20
		Band 30			Yes	Yes			
29A-66A	(0)	Band 29			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
30A-66A	(0)	Band 30			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
66A-71A	(0)	Band 66			Yes	Yes	Yes	Yes	40
		Band 71			Yes	Yes	Yes	Yes	
2A-14A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 14			Yes	Yes			
2A-48A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 48			Yes	Yes	Yes	Yes	
4A-48A	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 48			Yes	Yes	Yes	Yes	
5A-25A	(0)	Band 5			Yes	Yes			30
		Band 25			Yes	Yes	Yes	Yes	
5A-41A	(0)	Band 5			Yes	Yes			30
		Band 41						Yes	
5A-48A	(0)	Band 5			Yes	Yes			30
		Band 48			Yes	Yes	Yes	Yes	
12A-25A	(0)	Band 12			Yes	Yes			30
		Band 25			Yes	Yes	Yes	Yes	
13A-48A	(0)	Band 13			Yes	Yes			30
		Band 48			Yes	Yes	Yes	Yes	
14A-30A	(0)	Band 14			Yes	Yes			20
		Band 30			Yes	Yes			
14A-66A	(0)	Band 14			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
25A-41A	(0)	Band 25			Yes	Yes	Yes	Yes	40
		Band 41			Yes	Yes	Yes	Yes	
48A-66A	(0)	Band 48			Yes	Yes	Yes	Yes	40
		Band 66			Yes	Yes	Yes	Yes	
48A-71A	(0)	Band 48			Yes	Yes	Yes	Yes	40
		Band 71			Yes	Yes	Yes	Yes	

2. DL Inter Band(3CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-66C	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 66	66C BCS 0						
4A-4A-5A	(0)	Band 4	4A-4A BCS 0						50
		Band 5			Yes	Yes			
4A-4A-12A	(0)	Band 4	4A-4A BCS 0						50
		Band 12			Yes	Yes			
4A-4A-13A	(0)	Band 4	4A-4A BCS 0						50
		Band 13				Yes			
4A-4A-71A	(0)	Band 4	4A-4A BCS 0						60
		Band 71			Yes	Yes	Yes	Yes	
4A-12B	(0)	Band 4			Yes	Yes	Yes	Yes	35
		Band 12	12B BCS 0						
5A-30A-66A	(0)	Band 5			Yes	Yes			40
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
5A-66A-66A	(0)	Band 5			Yes	Yes			50
		Band 66	66A-66A BCS 0						
5A-66C	(0)	Band 5			Yes	Yes			50
		Band 66	66C BCS 0						
12A-30A-66A	(0)	Band 12			Yes	Yes			40
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
12A-66A-66A	(0)	Band 12			Yes	Yes			50
		Band 66	66A-66A BCS 0						
12A-66C	(0)	Band 12			Yes	Yes			50
		Band 66	66C BCS 0						
12B-66A	(0)	Band 12	12B BCS 0						35
		Band 66			Yes	Yes	Yes	Yes	
13A-66A-66A	(0)	Band 13			Yes	Yes			50
		Band 66	66A-66A BCS 0						
13A-66B	(0)	Band 13			Yes	Yes			30
		Band 66	66B BCS 0						
13A-66C	(0)	Band 13			Yes	Yes			50
		Band 66	66C BCS 0						
30A-66A-66A	(0)	Band 30			Yes	Yes			50
		Band 66	66A-66A BCS 0						
66A-66A-71A	(0)	Band 66	66A-66A BCS 0						60
		Band 71			Yes	Yes	Yes	Yes	
66C-71A	(0)	Band 66	66C BCS 0						60
		Band 71			Yes	Yes	Yes	Yes	
2A-2A-14A	(0)	Band 2	2A-2A BCS 0						50
		Band 14			Yes	Yes			
2A-2A-30A	(0)	Band 2	2A-2A BCS 0						50
		Band 30			Yes	Yes			
2A-4A-13A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 4			Yes	Yes	Yes	Yes	
		Band 13				Yes			
2A-5A-48A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	50
		Band 5			Yes	Yes			
		Band 48			Yes	Yes	Yes	Yes	
2A-13A-48A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 13			Yes	Yes			
		Band 46			Yes	Yes	Yes	Yes	
2A-14A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 14			Yes	Yes			
		Band 30			Yes	Yes			
2A-14A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 14			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	

3. DL Inter Band(4CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-12B-66A	(0)	Band 2			Yes	Yes	Yes	Yes	55
		Band 12	12B BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-13A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 13			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-30A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-66A-66A-71A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 66	66A-66A BCS 0						
		Band 71			Yes	Yes	Yes	Yes	
4A-4A-12B	(0)	Band 4	4A-4A BCS 0						55
		Band 12	12B BCS 0						
5A-30A-66A-66A	(0)	Band 5			Yes	Yes			60
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
12A-30A-66A-66A	(0)	Band 12			Yes	Yes			60
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
12B-66A-66A	(0)	Band 12	12B BCS 0						55
		Band 66	66A-66A BCS 0						
2A-2A-5A-30A	(0)	Band 2	2A-2A BCS 0						60
		Band 5			Yes	Yes			
		Band 30			Yes	Yes			
2A-2A-12A-30A	(0)	Band 2	2A-2A BCS 0						60
		Band 12			Yes	Yes			
		Band 30			Yes	Yes			
2A-2A-14A-30A	(0)	Band 2	2A-2A BCS 0						60
		Band 14			Yes	Yes			
		Band 30			Yes	Yes			
2A-2A-14A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 14			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-29A-30A	(0)	Band 2	2A-2A BCS 0						60
		Band 29			Yes	Yes			
		Band 30			Yes	Yes			
2A-2A-29A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 29			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-30A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-66B	(0)	Band 2	2A-2A BCS 0						60
		Band 66	66B BCS 0						
2A-5A-48A-66A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	70
		Band 4			Yes	Yes			
		Band 48			Yes	Yes	Yes	Yes	
		Band 66	Yes	Yes	Yes	Yes	Yes	Yes	
2A-5A-48C	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 48	48C BCS 0						
2A-5A-66B	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 5			Yes	Yes			
		Band 66	66B BCS 0						
2A-13A-48A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 13			Yes	Yes			
		Band 48			Yes	Yes	Yes	Yes	
		Band 66			Yes	Yes	Yes	Yes	

LTE Downlink Carrier Aggregation configurations (Continued)

2. DL Inter Band(3CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-48A-48A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 48	48A-48A BCS 0						
2A-48A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 48			Yes	Yes	Yes	Yes	
		Band 66			Yes	Yes	Yes	Yes	
2A-48C	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 48	48C BCS 0						
2C-66A	(0)	Band 2	66C BCS 0						60
		Band 66			Yes	Yes	Yes	Yes	
4A-48C	(0)	Band 4			Yes	Yes	Yes	Yes	60
		Band 48	48C BCS 0						
5A-48A-66A	(0)	Band 5			Yes	Yes			50
		Band 46			Yes	Yes	Yes	Yes	
		Band 66			Yes	Yes	Yes	Yes	
5A-48C	(0)	Band 5			Yes	Yes			50
		Band 48	48C BCS 0						
5A-66B	(0)	Band 5			Yes	Yes			30
		Band 66	66B BCS 0						
13A-48A-66A	(0)	Band 13			Yes	Yes			50
		Band 48			Yes	Yes	Yes	Yes	
		Band 66			Yes	Yes	Yes	Yes	
13A-48B	(0)	Band 13			Yes	Yes			30
		Band 48	48B BCS 0						
13A-48C	(0)	Band 13			Yes	Yes			50
		Band 48	48C BCS 0						
14A-30A-66A	(0)	Band 14			Yes	Yes			40
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
14A-66A-66A	(0)	Band 14			Yes	Yes			50
		Band 66	66A-66A BCS 0						
25A-41C	(0)	Band 25			Yes	Yes	Yes	Yes	60
		Band 41	41C BCS 1						
29A-30A-66A	(0)	Band 29			Yes	Yes			40
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
29A-66A-66A	(0)	Band 29			Yes	Yes			50
		Band 66	66A-66A BCS 0						
48A-48A-66A	(0)	Band 48	48A-48A BCS 0						60
		Band 66			Yes	Yes	Yes	Yes	
48A-48A-71A	(0)	Band 48	48A-48A BCS 0						60
		Band 71			Yes	Yes	Yes	Yes	
48A-66A-66A	(0)	Band 48			Yes	Yes	Yes	Yes	60
		Band 66	66A-66A BCS 0						
48A-66B	(0)	Band 48			Yes	Yes	Yes	Yes	40
		Band 66	66B BCS 0						
48A-66C	(0)	Band 48			Yes	Yes	Yes	Yes	60
		Band 66	66B BCS 0						
48B-66A	(0)	Band 48	48B BCS 0						40
		Band 66			Yes	Yes	Yes	Yes	
48C-66A	(0)	Band 48	48C BCS 0						60
		Band 66			Yes	Yes	Yes	Yes	
48C-71A	(0)	Band 48	48C BCS 0						60
		Band 71			Yes	Yes	Yes	Yes	

3. DL Inter Band(4CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-13A-48C	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 13			Yes	Yes			
		Band 48	48C BCS 0						
2A-13A-66B	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 13			Yes	Yes			
		Band 66	66B BCS 0						
2A-13A-66C	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 13			Yes	Yes			
		Band 66	66C BCS 0						
2A-14A-30A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 14			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-14A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 14			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-29A-30A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 29			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-29A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 29			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-48A-48A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 48	48A-48A BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-48A-48C	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 48	48A-48C BCS 0						
2A-48A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 48			Yes	Yes	Yes	Yes	
		Band 66	66A-66A BCS 0						
2A-48C-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 48	48C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-48D	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 48	48D BCS 0						
2C-66A-66A	(0)	Band 2	2C BCS 0						80
		Band 66	66A-66A BCS 0						
2A-66C-71A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 66	66C BCS 0						
		Band 71			Yes	Yes	Yes	Yes	
4A-48D	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 48	48D BCS 0						
5A-48A-66A-66A	(0)	Band 5			Yes	Yes			70
		Band 48			Yes	Yes	Yes	Yes	
		Band 66	66A-66A BCS 0						
5A-48C-66A	(0)	Band 5			Yes	Yes			70
		Band 48	48C BCS 0						
		Band 66	Yes	Yes	Yes	Yes	Yes	Yes	
5A-48D	(0)	Band 5			Yes	Yes			70
		Band 48	48D BCS 0						

4. DL Inter Band(5CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-2A-5A-66A-66A	(0)	Band 2	2A-2A BCS 0						90
		Band 5			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-2A-5A-66C	(0)	Band 2	2A-2A BCS 0						90
		Band 5			Yes	Yes			
		Band 66	66C BCS 0						
2A-2A-12A-66A-66A	(0)	Band 2	2A-2A BCS 0						90
		Band 12			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-2A-12B-66A	(0)	Band 2	2A-2A BCS 0						75
		Band 5	12B BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-5A-30A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 5			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-12A-30A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 12			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-2A-5A-30A-66A	(0)	Band 2	2A-2A BCS 0						80
		Band 5			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-5A-66B	(0)	Band 2	2A-2A BCS 0						70
		Band 5			Yes	Yes			
		Band 66	66B BCS 0						
2A-2A-12A-30A-66A	(0)	Band 2	2A-2A BCS 0						80
		Band 5			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-13A-66A-66A	(0)	Band 2	2A-2A BCS 0						90
		Band 13			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-2A-14A-30A-66A	(0)	Band 2	2A-2A BCS 0						80
		Band 14			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-14A-66A-66A	(0)	Band 2	2A-2A BCS 0						90
		Band 14			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-5A-48A-66A-66A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	90
		Band 5			Yes	Yes			
		Band 48			Yes	Yes	Yes	Yes	
		Band 66	66A-66A BCS 0						
2A-5A-48D	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	90
		Band 5			Yes	Yes			
		Band 48	48D BCS 0						
2A-12B-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	75
		Band 12	12B BCS 0						
		Band 66	66A-66A BCS 0						

LTE Downlink Carrier Aggregation configurations (Continued)

3. DL Inter Band(4CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
13A-48A-66B	(0)	Band 13			Yes	Yes			50
		Band 48			Yes	Yes	Yes	Yes	
		Band 66	66B BCS 0						
13A-48A-66C	(0)	Band 13			Yes	Yes			70
		Band 48			Yes	Yes	Yes	Yes	
		Band 66	66C BCS 0						
13A-48C-66A	(0)	Band 13			Yes	Yes			70
		Band 48	48C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
13A-48D	(0)	Band 13			Yes	Yes			70
		Band 48	48D BCS 0						
14A-30A-66A-66A	(0)	Band 14			Yes	Yes			60
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
25A-41D	(0)	Band 25			Yes	Yes	Yes	Yes	80
		Band 41	41D BCS 0						
29A-30A-66A-66A	(0)	Band 29			Yes	Yes			60
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
48A-48A-66A-66A	(0)	Band 48	48A-48C BCS 0						80
		Band 66	66A-66A BCS 0						
48A-48C-66A	(0)	Band 48	48A-48C BCS 0						80
		Band 66			Yes	Yes	Yes	Yes	
48C-66A-66A	(0)	Band 48	48C BCS 0						80
		Band 66	66A-66A BCS 0						
48C-66B	(0)	Band 48	48C BCS 0						60
		Band 66	66B BCS 0						
48C-66C	(0)	Band 48	48C BCS 0						60
		Band 66	66C BCS 0						

4. DL Inter Band(5CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-13A-48C-66A	(0)	Band 2			Yes	Yes	Yes	Yes	90
		Band 13			Yes	Yes			
		Band 48	48C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-13A-48D	(0)	Band 2			Yes	Yes	Yes	Yes	90
		Band 13			Yes	Yes			
		Band 48	48D BCS 0						
2A-14A-30A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 14			Yes	Yes			
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-48A-48C-66A	(0)	Band 2			Yes	Yes	Yes	Yes	100
		Band 48	48A-48C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-48C-48C	(0)	Band 2			Yes	Yes	Yes	Yes	100
		Band 48	48C-48C BCS 0						
2A-48C-66A-66A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	100
		Band 48	48C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-48D-66A	(0)	Band 2			Yes	Yes	Yes	Yes	100
		Band 48	48D BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-48E	(0)	Band 2			Yes	Yes	Yes	Yes	100
		Band 48	48E BCS 0						
4A-48E	(0)	Band 2			Yes	Yes	Yes	Yes	100
		Band 48	48E BCS 0						
5A-48C-66A-66A	(0)	Band 2			Yes	Yes			90
		Band 48	48C BCS 0						
		Band 66	66A-66A BCS 0						
5A-48D-66A	(0)	Band 5			Yes	Yes			90
		Band 48	48D BCS 0						
		Band 66	Yes	Yes	Yes	Yes	Yes	Yes	
13A-48D-66A	(0)	Band 13			Yes	Yes			90
		Band 48	48D BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
13A-48E	(0)	Band 13			Yes	Yes			90
		Band 48	48E BCS 0						
48C-48C-66A	(0)	Band 48	48C-48C BCS 0						100
		Band 66			Yes	Yes	Yes	Yes	
48A-48D-66A	(0)	Band 48	48A-48D BCS 0						100
		Band 66			Yes	Yes	Yes	Yes	
48E-66A	(0)	Band 48	48E BCS 0						100
		Band 66			Yes	Yes	Yes	Yes	

5. DL Inter Band(6CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-5A-48C-66A-66A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	110
		Band 5			Yes	Yes			
		Band 48	48C BCS 0						
		Band 66	66A-66A BCS 0						
2A-48E-66A	(0)	Band 2			Yes	Yes	Yes	Yes	120
		Band 48	48E BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
5A-48D-66A-66A	(0)	Band 5			Yes	Yes			110
		Band 48	48D BCS 0						
		Band 66	66A-66A BCS 0						
13A-48E-66A	(0)	Band 13			Yes	Yes			110
		Band 48	48E BCS 0						
		Band 66			Yes	Yes	Yes	Yes	

LTE Uplink / Downlink Carrier Aggregation Intra-band configurations

6. DL Intra Band(non-contiguous)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Allowed Channel BW Per Carrier (MHz)				Max Aggregated BW
			1st Carrier	2nd Carrier	3rd Carrier	4th Carrier	
2A-2A	(0)	Band 2	5, 10, 15, 20	5, 10, 15, 20			40
4A-4A	(0)	Band 4	5, 10, 15, 20	5, 10, 15, 20			40
	(1)	Band 4	5, 10	5, 10			20
25A-25A	(0)	Band 25	5, 10	5, 10			20
	(1)	Band 25	5, 10, 15, 20	5, 10, 15, 20			40
66A-66A	(0)	Band 66	5, 10, 15, 20	5, 10, 15, 20			40
41A-41A	(0)	Band 41	10, 15, 20	10, 15, 20			40
	(1)	Band 41	5, 10, 15, 20	5, 10, 15, 20			40
48A-48A	(0)	Band 48	5, 10, 15, 20	5, 10, 15, 20			40
41A-41C	(0)	Band 41	5, 10, 15, 20	41C BCS 1			60
			41C BCS 1	5, 10, 15, 20			
48A-48C	(0)	Band 48	5, 10, 15, 20	48C BCS 0			60
			48C BCS 0	5, 10, 15, 20			
48A-48D	(0)	Band 48	5, 10, 15, 20	48D BCS 0			80
			48D BCS 0	5, 10, 15, 20			
48A-48E	(0)	Band 48	5, 10, 15, 20	48E BCS 0			100
			48E BCS 0	5, 10, 15, 20			
48C-48D	(0)	Band 48	48C BCS 0	48D BCS 0			100
			48D BCS 0	48C BCS 0			

7. DL Intra Band(contiguous)

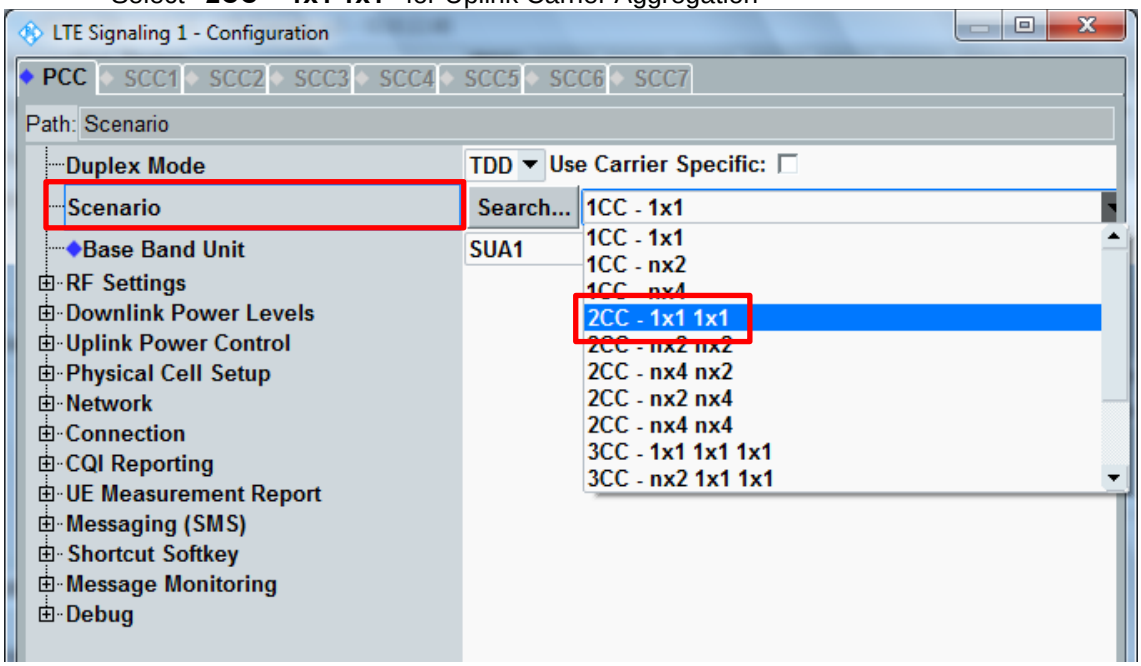
E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Allowed Channel BW Per Carrier (MHz)					Max Aggregated BW
			1st Carrier	2nd Carrier	3rd Carrier	4th Carrier	5th Carrier	
2C	(0)	Band 2	5	20				40
			10	15,20				
			15	10,15,20				
			20	5,10,15,20				
12B	(0)	Band 12	5, 10	5				15
41C	(0)	Band 41	10	20				40
			15	15, 20				
			20	10, 15, 20				
	(1)	Band 41	5, 10	20				40
			15	15, 20				
			20	5, 10, 15, 20				
	(2)	Band 41	10	15, 20				40
			15	10, 15, 20				
			20	10, 15, 20				
	(3)	Band 41	10	20				40
			20	20				
66B	(0)	Band 66	5	5, 10, 15				20
		Band 66	10	5, 10				
		Band 66	15	5				
66C	(0)	Band 66	5	20				40
		Band 66	10	15,20				
		Band 66	15	10,15,20				
		Band 66	20	5,10,15,20				
2C	(0)	Band 2	5	20				40
			10	15,20				
			15	10,15,20				
			20	5,10,15,20				
48B	(0)	Band 48	10	10				20
48C	(0)	Band 48	5, 10, 15, 20	20				40
			20	5, 10, 15				
41D	(0)	Band 41	10	20	15			60
			10	15, 20	20			
			15	20	10, 15			
			15	10, 15, 20	20			
			20	15, 20	10			
			20	10, 15, 20	15, 20			
48D	(0)	Band 48	5, 10, 15, 20	20	20			60
			20	20	5,10,15			
48E	(0)	Band 48	5, 10, 15, 20	20	20	20		80
			20	20	20	5, 10, 15		

Note:

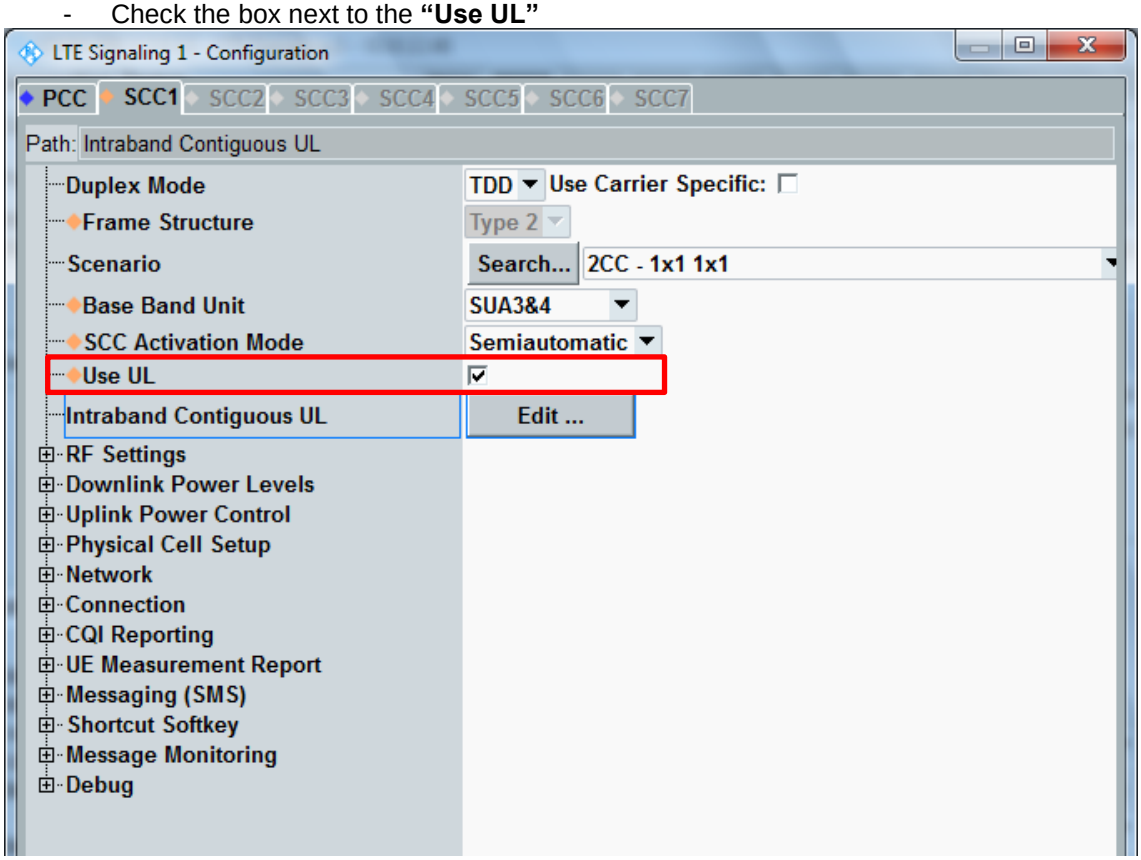
LTE CA_41C, 48C, 66B, 66C are supported in both Uplink and Downlink, other CA configurations are supported only Downlink

LTE Uplink Carrier Aggregation – Output Power measurement procedures

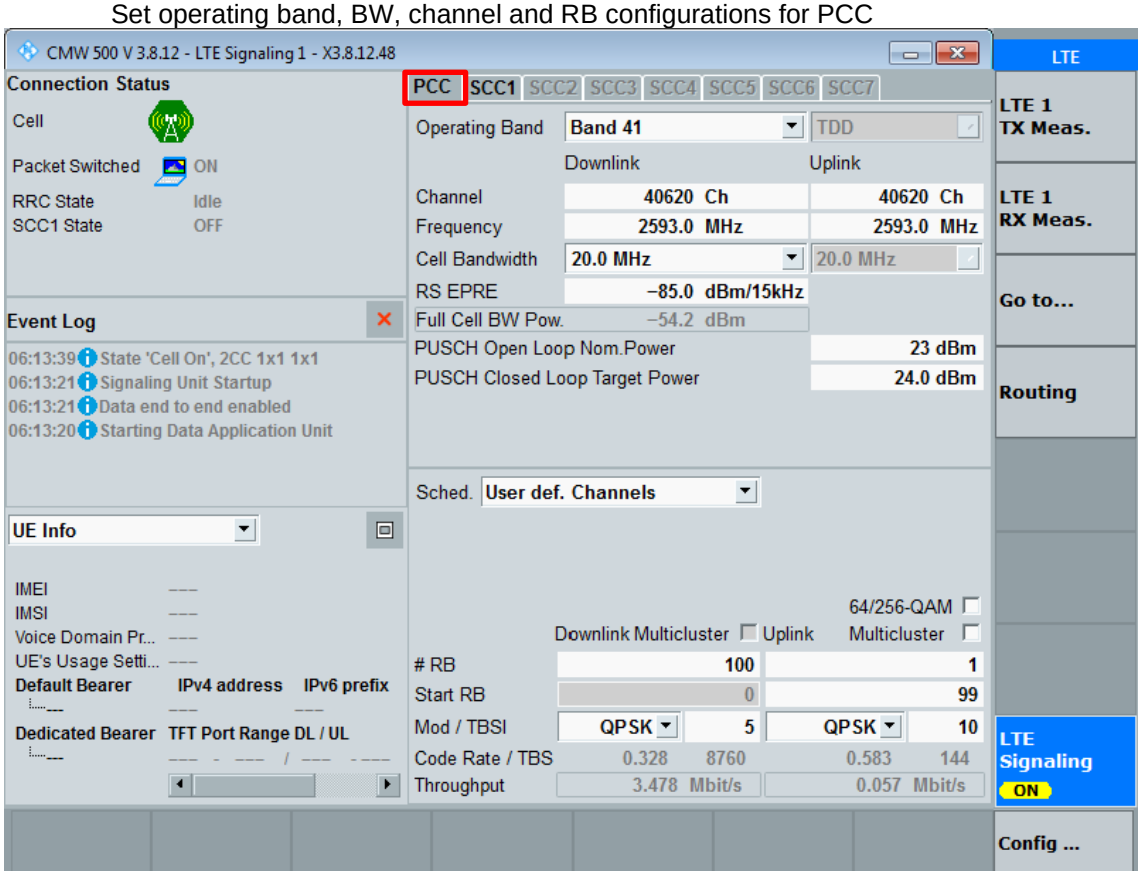
- Change the Scenario in the Configuration of LTE Signaling
  Select **"2CC – 1x1 1x1"** for Uplink Carrier Aggregation



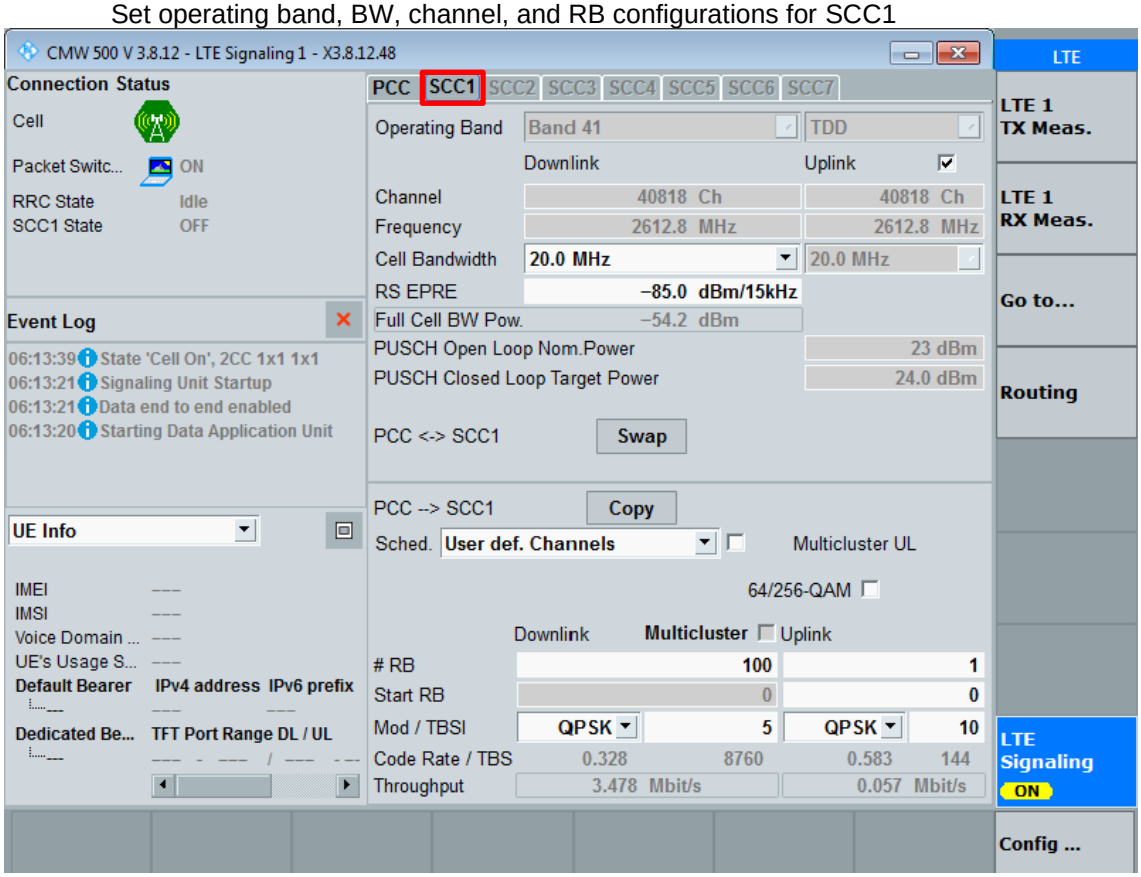
- Check the box next to the **"Use UL"**



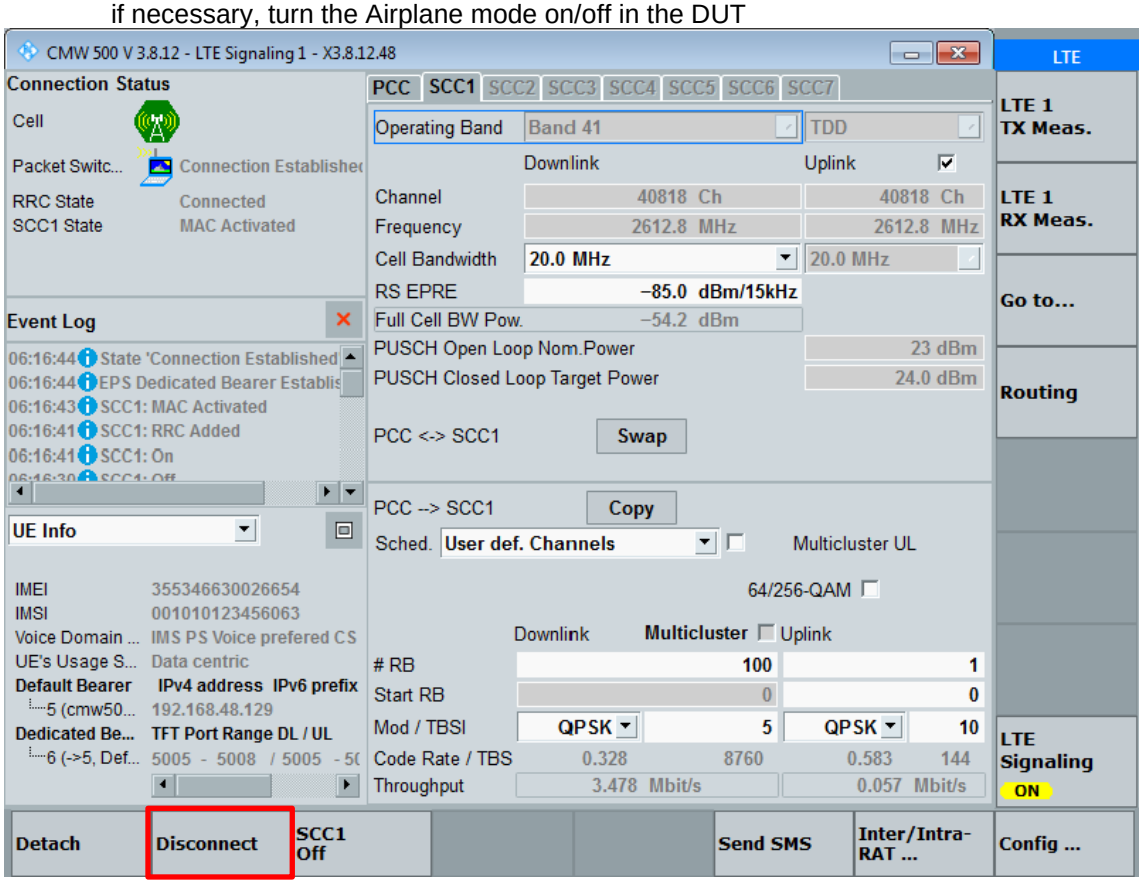
- Back to the LTE Signal screen, and then select the PCC tab,
  Set operating band, BW, channel and RB configurations for PCC



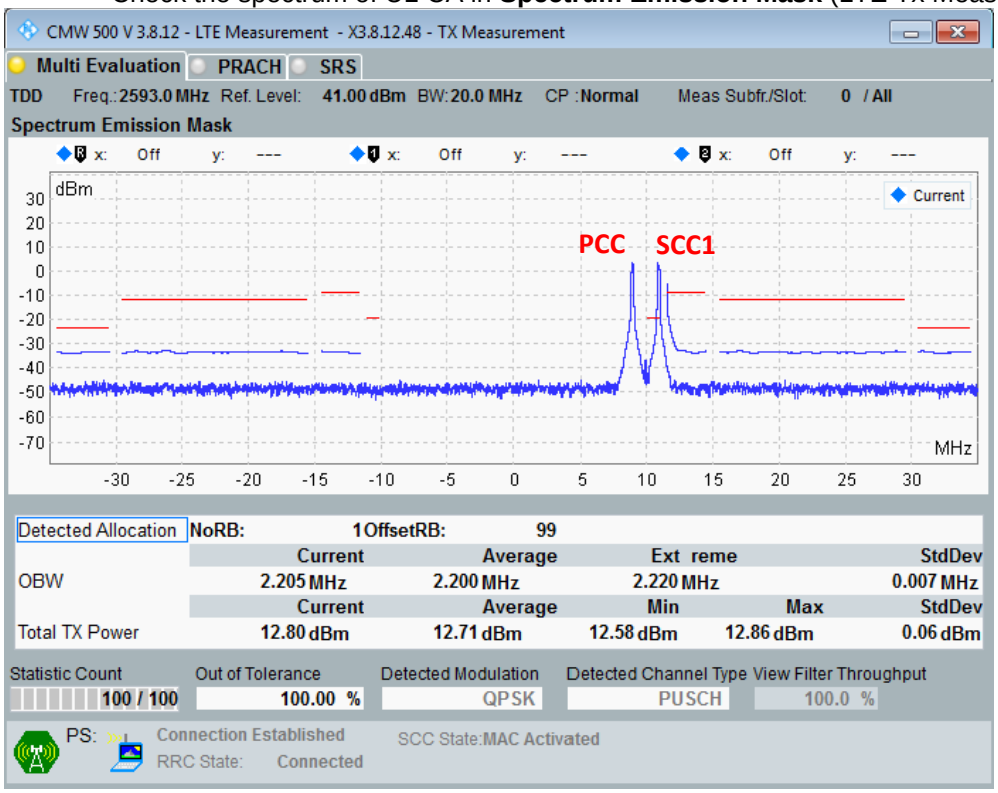
- Select the SCC1 tab,
  Set operating band, BW, channel, and RB configurations for SCC1



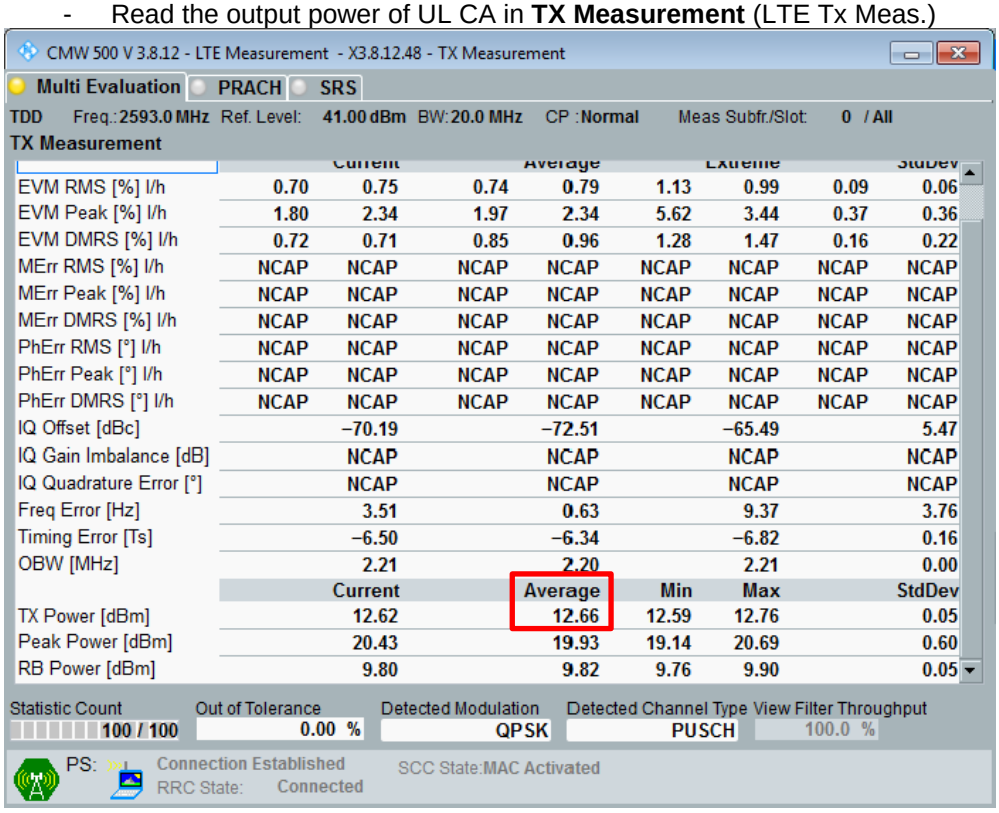
- Click the **"Connect"** button at the bottom of the screen, if necessary, turn the Airplane mode on/off in the DUT



- Check the spectrum of UL CA in **Spectrum Emission Mask** (LTE Tx Meas.)

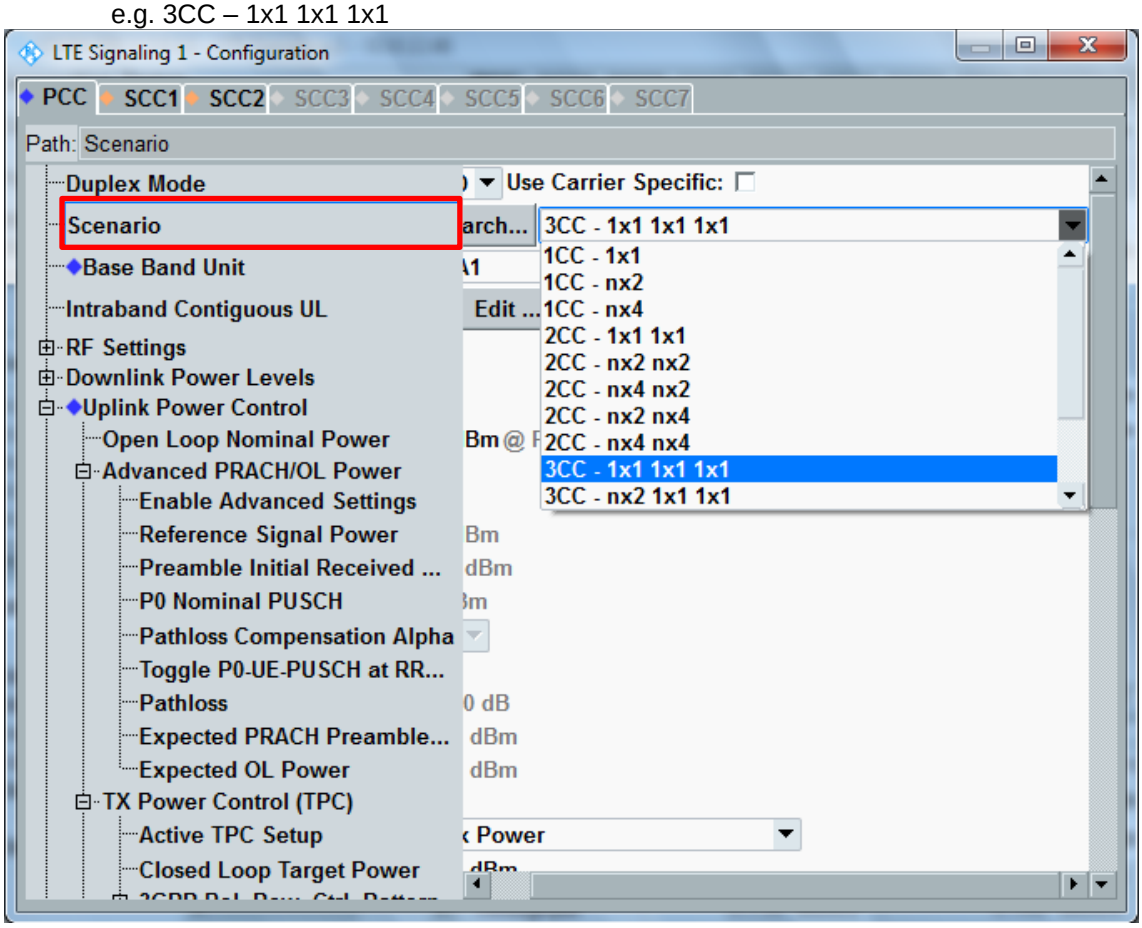


- Read the output power of UL CA in **TX Measurement** (LTE Tx Meas.)



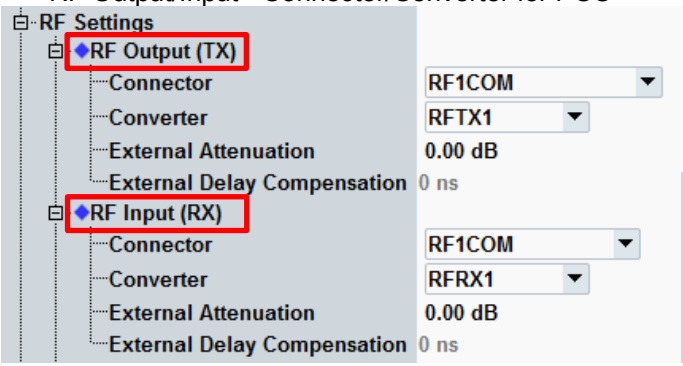
LTE Downlink Carrier Aggregation - Output Power measurement procedures

- Change the Scenario in the Configuration of LTE Signaling
  e.g. 3CC – 1x1 1x1 1x1

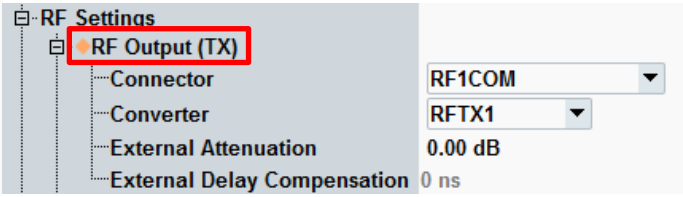


- Set the RF Output/Input Connector and Converter for PCC/SCC1/SCC2 in each tab.

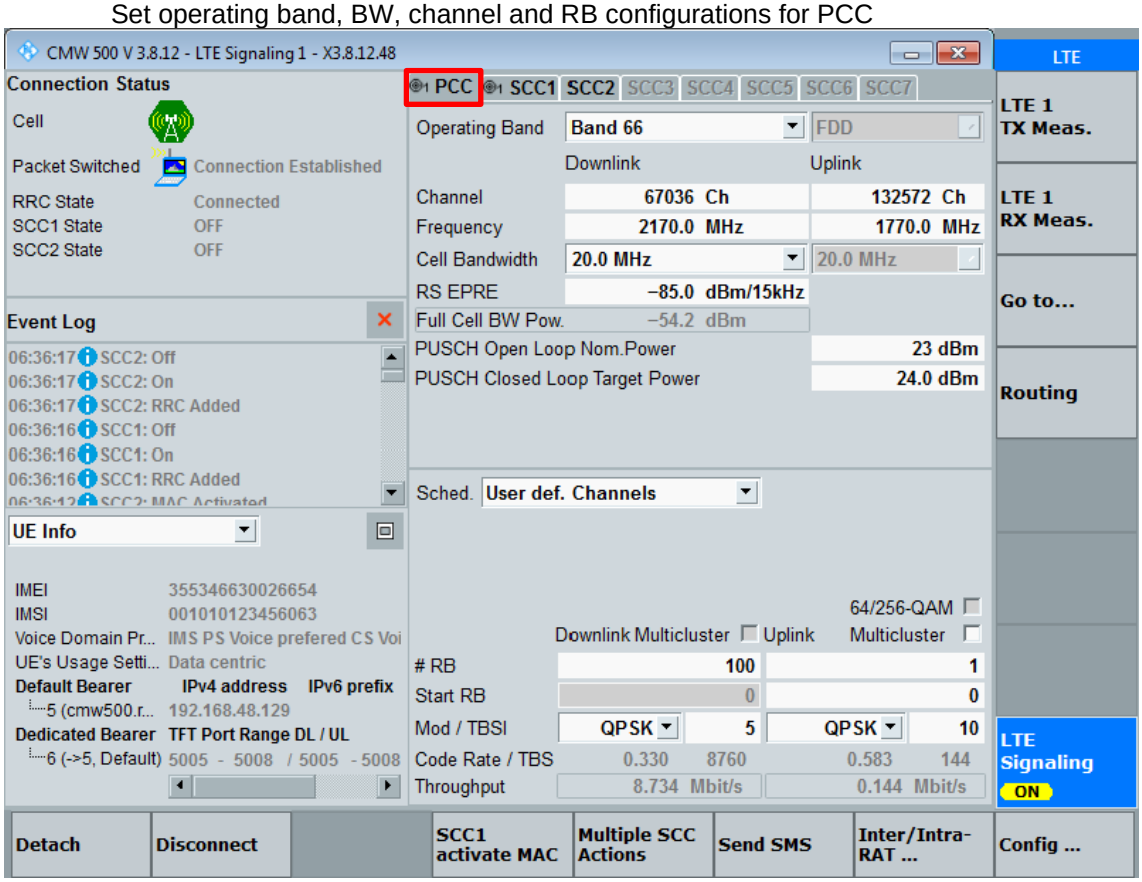
<RF Output/Input - Connector/Converter for PCC>



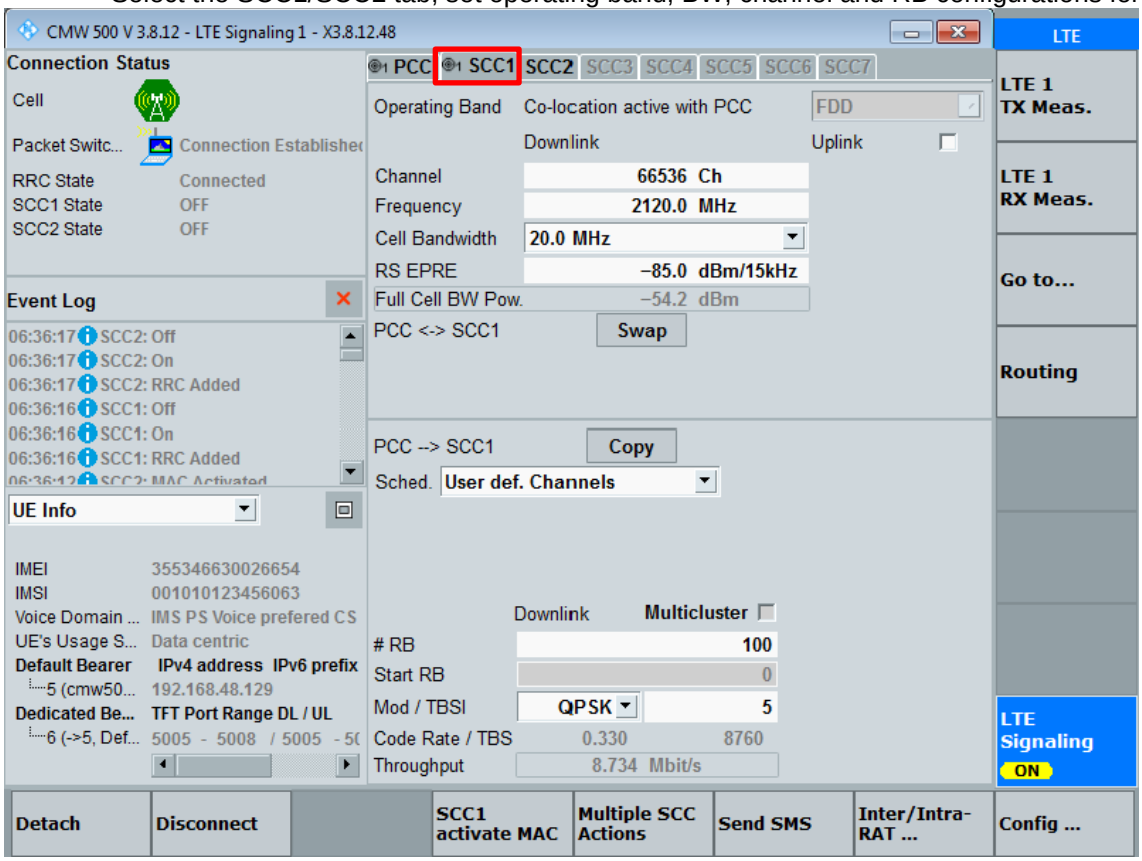
<RF Output – Connector/Converter for SCC1/SCC2>

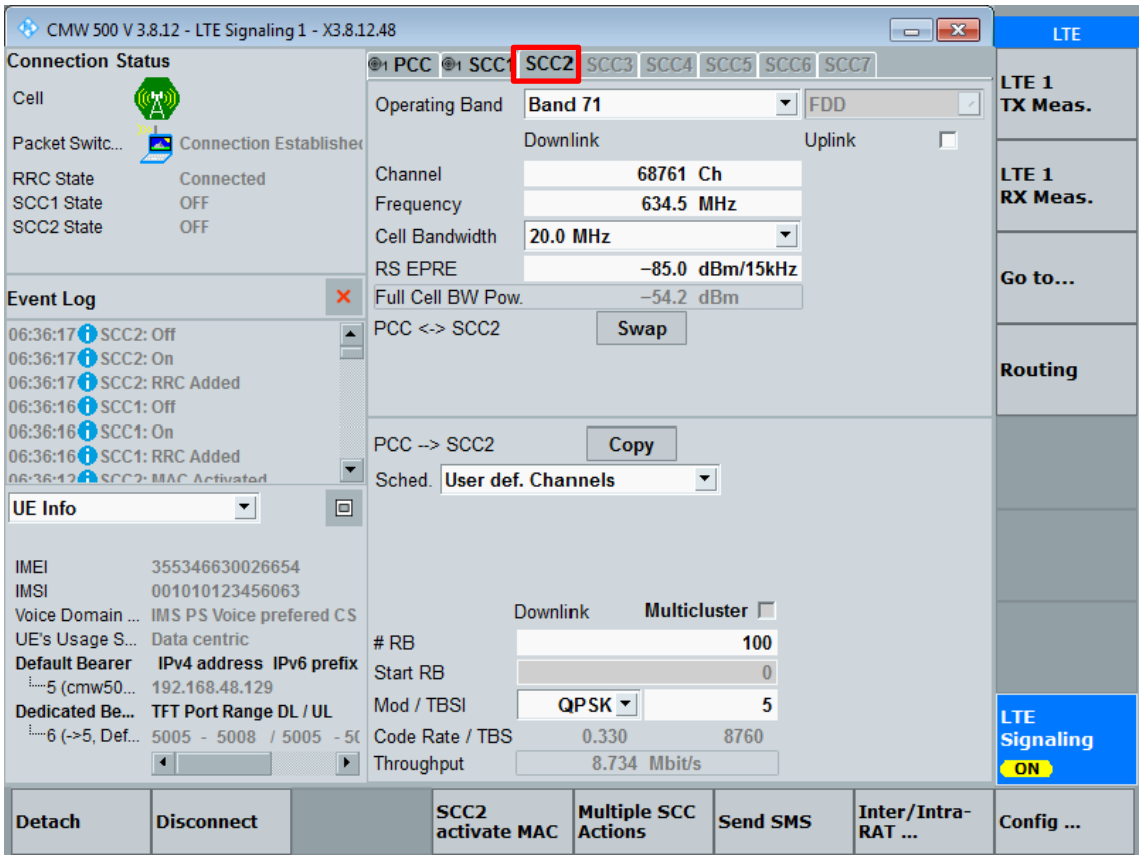


- Back to the LTE Signal screen, and then select the PCC tab,
  Set operating band, BW, channel and RB configurations for PCC

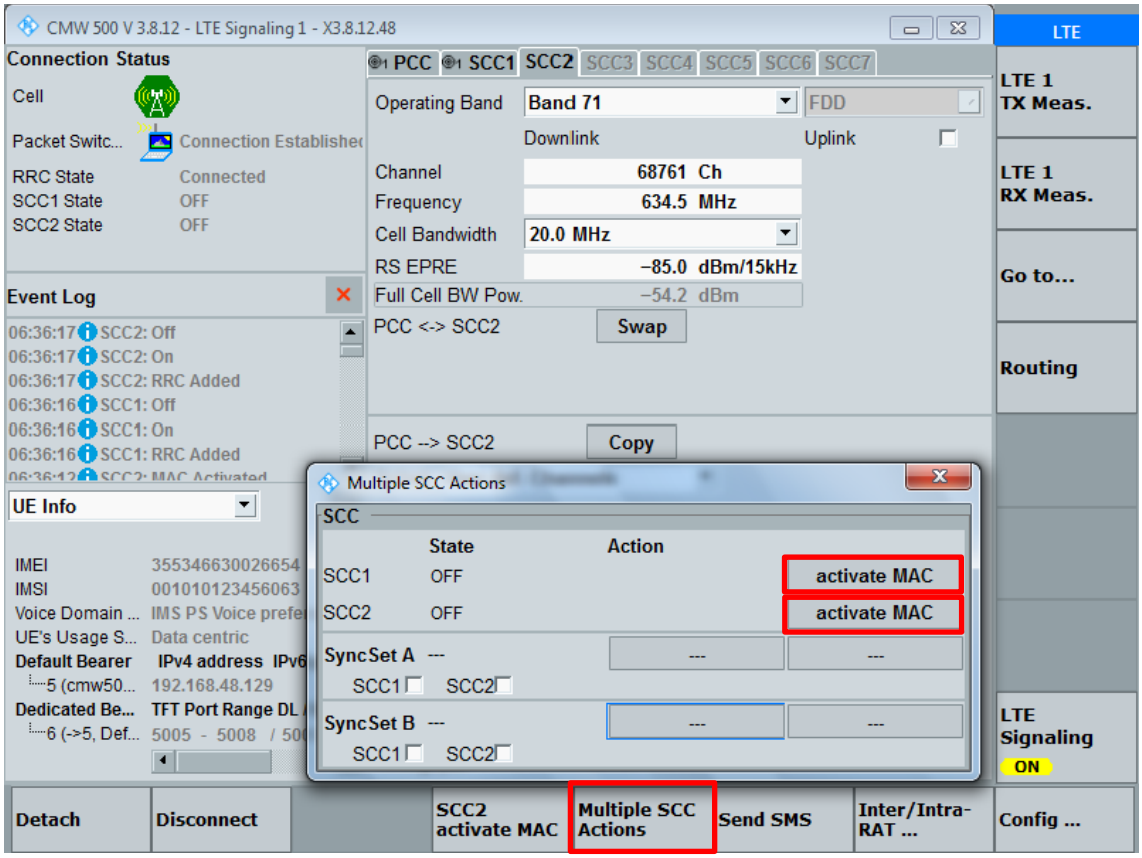


- Select the SCC1/SCC2 tab, set operating band, BW, channel and RB configurations for SCC1/SCC2

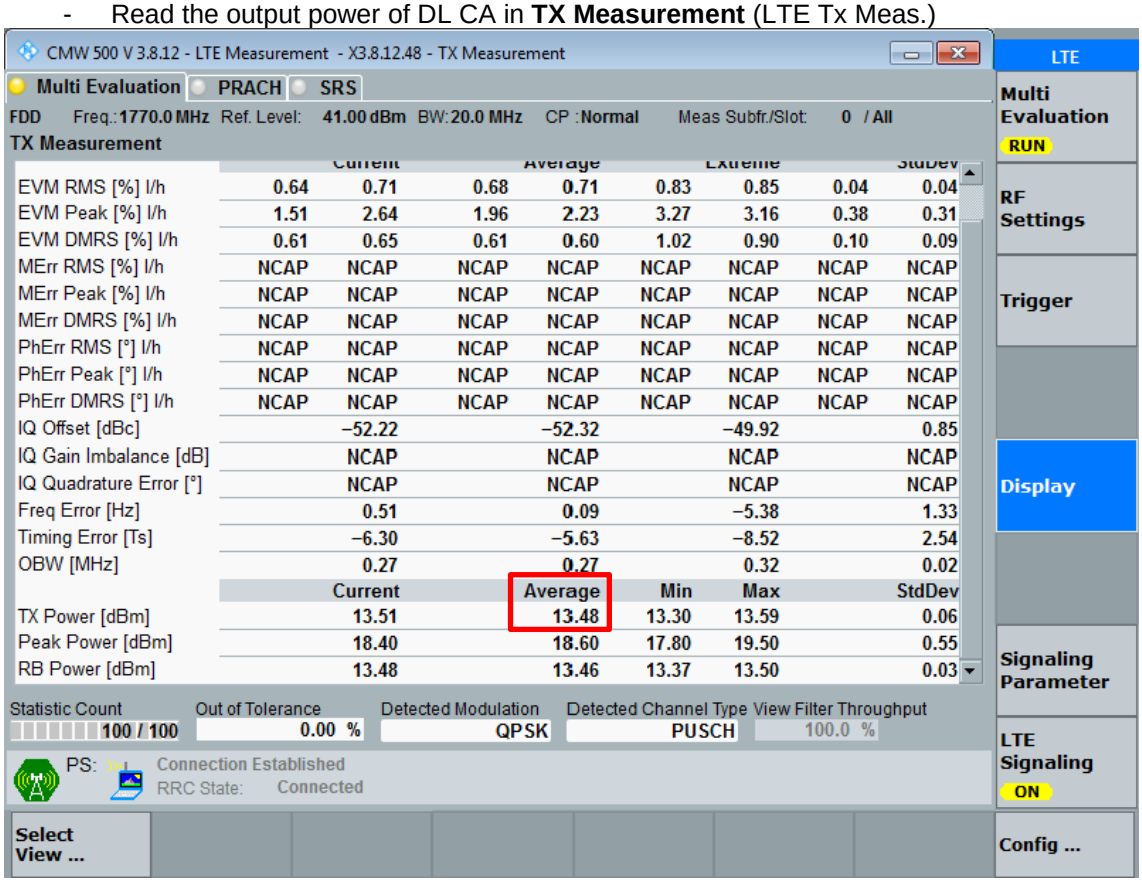




- Connect and Activate MAC for all SCCs

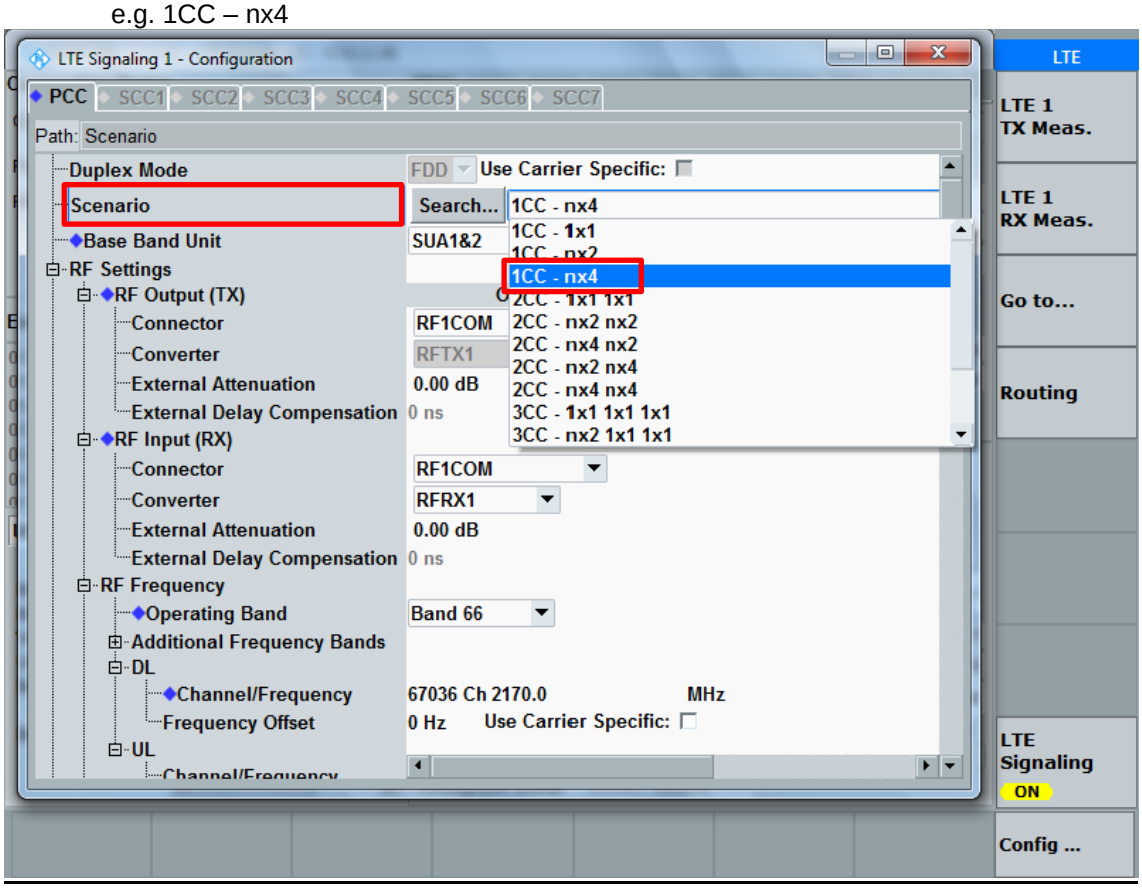


- Read the output power of DL CA in **TX Measurement** (LTE Tx Meas.)

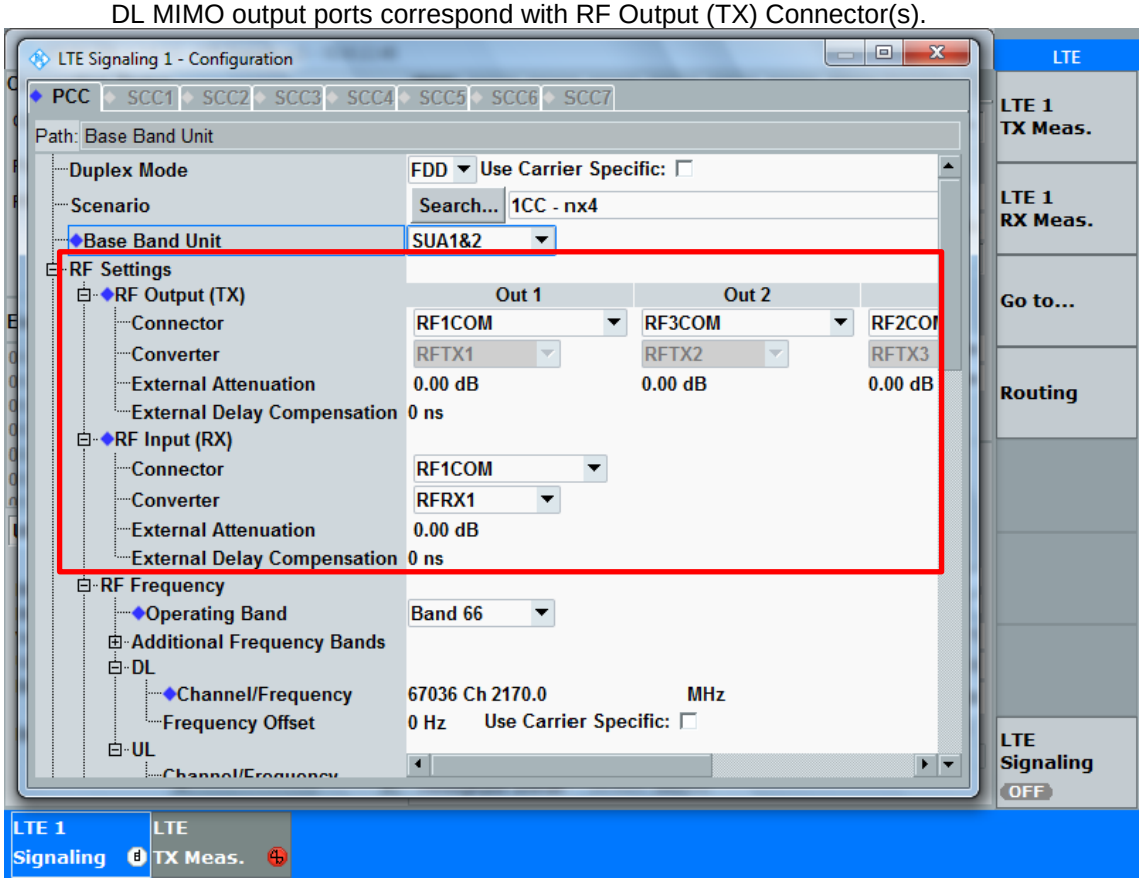


LTE Downlink 4x4 MIMO - Output Power measurement procedures

- Change the Scenario in the Configuration of LTE Signaling
  e.g. 1CC – nx4

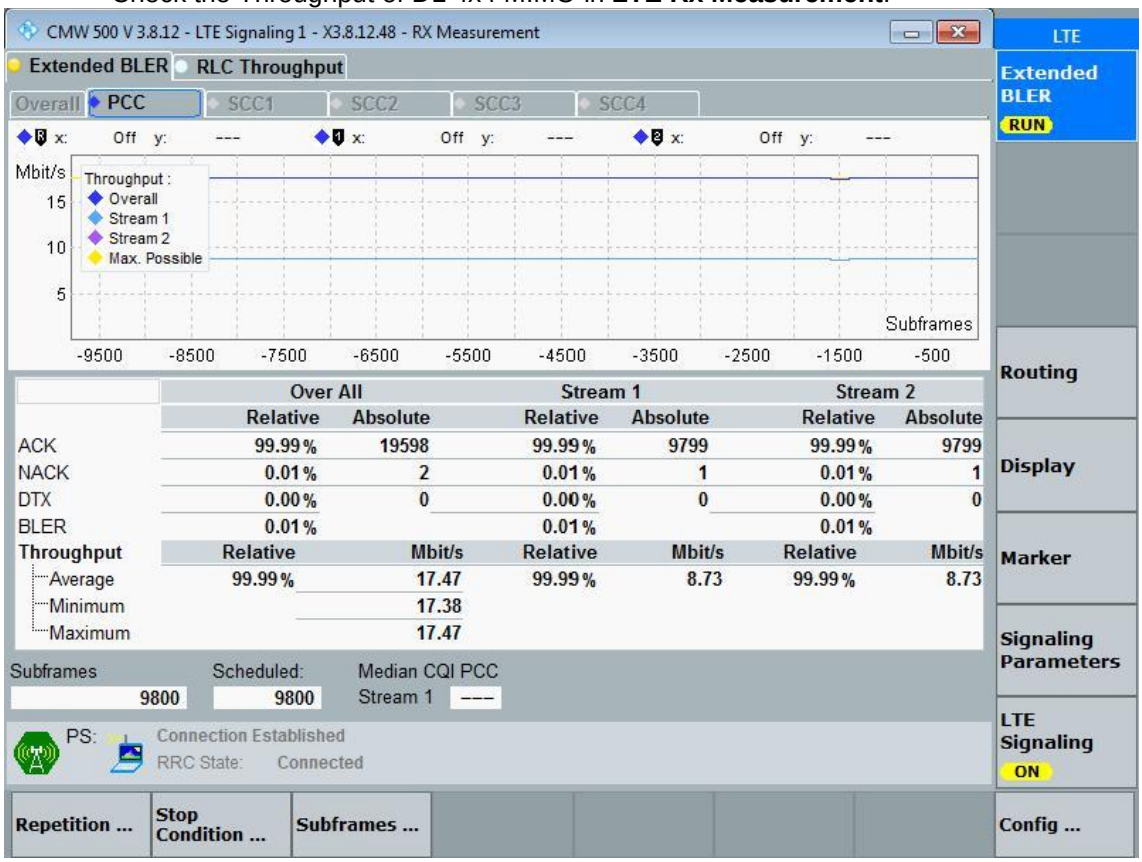


- Set the RF Output/Input Connector and Converter for PCC.
  DL MIMO output ports correspond with RF Output (TX) Connector(s).

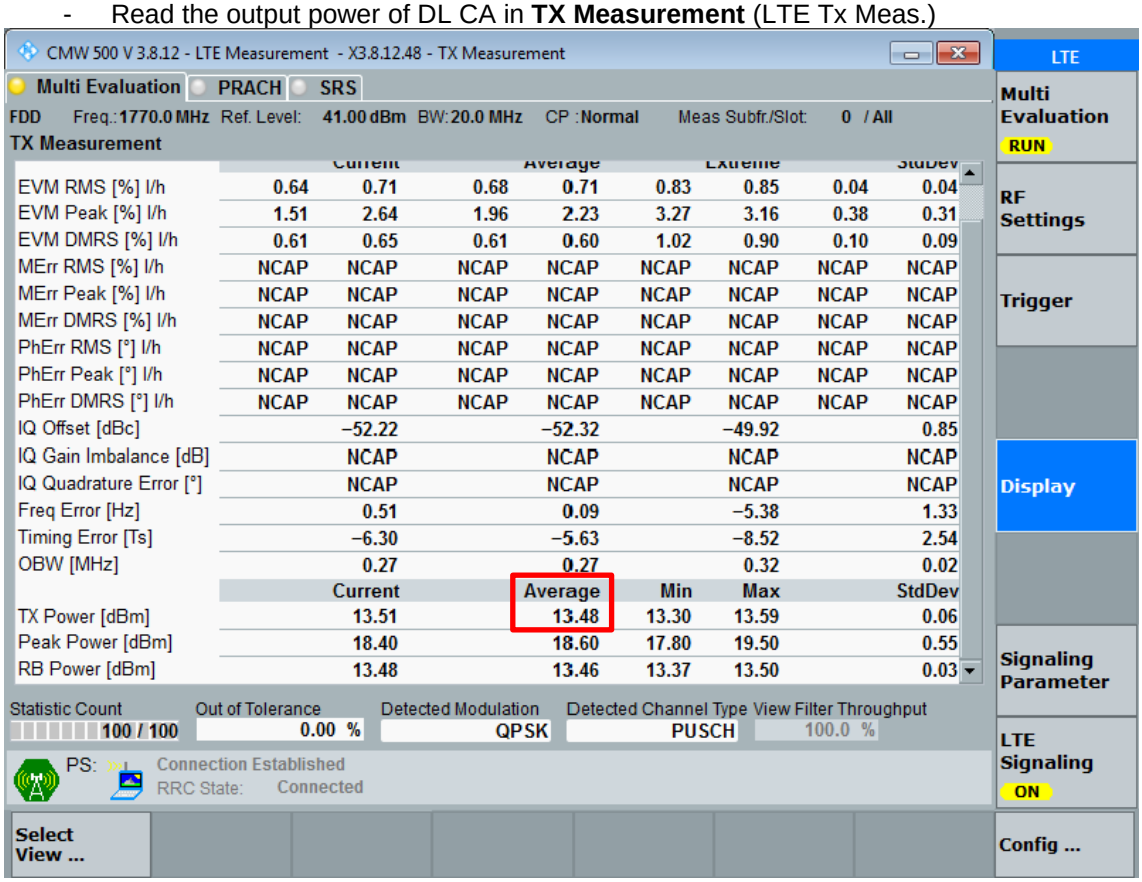


- Back to the LTE Signal screen, set operating band, BW, channel and RB configurations for PCC

- Check the Throughput of DL 4x4 MIMO in **LTE Rx Measurement**.



- Read the output power of DL CA in **TX Measurement** (LTE Tx Meas.)



LTE Uplink Carrier Aggregation Combinations

Maximum Output Power (Tune-up Limit) for LTE UL Carrier Aggregation

UL CA shall be tested based on the worst-case SAR configuration determined from non-CA SAR testing result. The channel BW, channel number, RB Allocation, etc. would be selected to allow contiguous CA of PCC and SCC. Uplink output power for UL CA is the total power measured across the PCC and SCC.

UL CA power measurements were performed with QPSK modulation based on the worst-case standalone SAR. The tune-up limits are provided in table below. The UL CA mode power measurements represent the total power across both carriers. Measurements were made for all supported PCC bandwidths using the channel/RB combination resulting in the highest standalone output power at the least MPR (0 dB). SCCs were set to use configurations similar to the PCC to establish conservative or worst case equivalent SAR test conditions (highest maximum power with MPR of 0 dB).

The standalone power measurement is the power for the PCC in the non-CA mode (i.e. single carrier power). In all cases the UL CA power is less than or equal to the standalone power, which is in accordance with the tune-up limits in table below.

According to November 2017 TCB workshop, Uplink CA SAR Test Guidance as follows;

a) When the maximum output for UL CA is ≤ standalone LTE mode (without CA)
   - PCC is configured according to the highest standalone SAR configuration tested
   - SCC and subsequent CCs are configured according to procedures used for power measurement and parameters (BW, RB etc.) similar to that used for the PCC.

b) When the Reported SAR for UL CA configuration, described above, is > 1.2 W/kg, UL CA SAR is also required for all required test channels (PCC based).

c) UL CA SAR is also required for standalone SAR configurations > 1.2 W/kg when they are scaled to the UL CA power level.

SAR measurement is not required for the 16QAM and 64QAM. When the highest maximum output power for 16QAM and 64QAM is ≤ 0.25 dB higher than the QPSK or when the reported SAR for the QPSK configuration is ≤ 1.45 W/kg.

E-UTRA CA configuration (BCS)	RF exposure conditions	Antenna	Bands		UL																		
			PCC	SCC	PCC						SCC						MPR	Standalone	PCC + SCC				
			1st	2nd	Modulation	RB	Offset	BW	Freq	ch	Modulation	RB	Offset	BW	Freq	ch		LTE Rel.8	Aggregated BW	MPR	Tune-Up Limit	CA power (total PCC+SCC)	Delta	3GPP Rel.
CA_41C(0)(1)(2)(3)	Head	Ant B	41C	41C	QPSK	1	0	20	2636.5	41055	QPSK	1	99	20	2616.7	40857	0	24.38	40	0	25.0	24.35	-0.03	16
CA_41C(0)(1)(2)(3)	Hotspot	Ant B	41C	41C	QPSK	50	0	20	2636.5	41055	QPSK	50	50	20	2616.7	40857	0	20.66	40	0	21.0	20.63	-0.03	16
CA_41C(0)(1)(2)(3)	Body&Extremity	Ant B	41C	41C	QPSK	50	0	20	2680.0	41490	QPSK	50	0	20	2660.2	41292	0	17.53	40	0	18.0	17.51	-0.02	16
CA_41C(0)(1)(2)(3)	Head	Ant E	41C	41C	QPSK	1	0	20	2636.5	41055	QPSK	1	99	20	2616.7	40857	0	24.64	40	0	25.0	24.61	-0.03	16
CA_41C(0)(1)(2)(3)	Body&Hotspot	Ant E	41C	41C	QPSK	1	0	20	2636.5	41055	QPSK	1	99	20	2616.7	40857	0	21.18	40	0	21.5	21.15	-0.03	16
CA_41C(0)(1)(2)(3)	Extremity	Ant E	41C	41C	QPSK	50	0	20	2506.0	39750	QPSK	50	50	20	2525.8	39948	0	20.86	40	0	21.5	20.85	-0.01	16
CA_48C(0)	Head	Ant E	48C	48C	QPSK	50	0	20	3646.7	56207	QPSK	50	50	20	3626.9	56009	0	21.52	40	0	23.0	21.48	-0.04	16
CA_48C(0)	Body&Hotspot	Ant E	48C	48C	QPSK	1	0	20	3690.0	56640	QPSK	1	99	20	3670.2	56442	0	19.82	40	0	20.5	19.80	-0.02	16
CA_48C(0)	Extremity	Ant E	48C	48C	QPSK	1	0	20	3646.7	56207	QPSK	1	99	20	3626.9	56009	0	19.58	40	0	20.5	19.57	-0.01	16
CA_66B(0)	Head	Ant B	66B	66B	QPSK	1	0	15	1772.5	132597	QPSK	1	24	5	1763.2	132504	0	23.90	20	0	25.0	23.88	-0.02	16
CA_66B(0)	Hotspot	Ant B	66B	66B	QPSK	75	0	15	1772.5	132597	QPSK	25	0	5	1763.2	132504	0	19.09	20	0	20.0	19.11	-0.08	16
CA_66B(0)	Body&Extremity	Ant B	66B	66B	QPSK	75	0	15	1772.5	132597	QPSK	25	0	5	1763.2	132504	0	19.09	20	0	20.0	19.11	-0.08	16
CA_66B(0)	Head	Ant E	66B	66B	QPSK	36	0	15	1772.5	132597	QPSK	12	13	5	1763.2	132504	0	20.95	20	0	22.5	20.91	-0.04	16
CA_66B(0)	Hotspot	Ant E	66B	66B	QPSK	36	0	15	1772.5	132597	QPSK	12	13	5	1763.2	132504	0	19.30	20	0	21.0	19.23	-0.07	16
CA_66B(0)	Body&Extremity	Ant E	66B	66B	QPSK	36	0	15	1772.5	132597	QPSK	12	13	5	1763.2	132504	0	19.30	20	0	21.0	19.23	-0.07	16
CA_66C(0)	Head	Ant B	66C	66C	QPSK	1	0	20	1770.0	132572	QPSK	1	99	20	1750.2	132374	0	24.02	40	0	25.0	24.01	-0.01	16
CA_66C(0)	Hotspot	Ant B	66C	66C	QPSK	100	0	20	1770.0	132572	QPSK	100	0	20	1750.2	132374	0	19.10	40	0	20.0	19.06	-0.04	16
CA_66C(0)	Body&Extremity	Ant B	66C	66C	QPSK	100	0	20	1770.0	132572	QPSK	100	0	20	1750.2	132374	0	19.10	40	0	20.0	19.06	-0.04	16
CA_66C(0)	Head	Ant E	66C	66C	QPSK	50	0	20	1770.0	132572	QPSK	50	50	20	1750.2	132374	0	21.07	40	0	22.5	21.04	-0.03	16
CA_66C(0)	Hotspot	Ant E	66C	66C	QPSK	50	0	20	1770.0	132572	QPSK	50	50	20	1750.2	132374	0	19.55	40	0	21.0	19.51	-0.04	16
CA_66C(0)	Body&Extremity	Ant E	66C	66C	QPSK	50	0	20	1770.0	132572	QPSK	50	50	20	1750.2	132374	0	19.55	40	0	21.0	19.51	-0.04	16

Note:

Standalone output power values are referenced from Sec.9.3 in the SAR Part.1 Test Report.

LTE Downlink Carrier Aggregation Combinations

The DL CA power measurement conditions for various CC's combinations were determined according LTE DL CA SAR Test Exclusion guidance in TCB workshop note (April 2018). Only yellow highlighted cells need power measurement. The following power measurements were performed with a single carrier uplink; CA for this particular project only supports one (1) uplink and up to four (4) downlinks.

LTE Release 10 Carrier Aggregation

Index	2CC	Restriction	Completely Covered by Measurement Superset
2CC#1	2A-2A		3CC#1
2CC#2	2A-4A		3CC#1
2CC#3	2A-5A		3CC#2
2CC#4	2A-12A		3CC#3
2CC#5	2A-13A		3CC#4
2CC#6	2A-29A	B29 SCC Only	3CC#17
2CC#7	2A-30A		3CC#11
2CC#8	2A-66A		3CC#5
2CC#9	2A-71A		3CC#6
2CC#10	4A-4A		3CC#7
2CC#11	4A-5A		3CC#8
2CC#12	4A-12A		3CC#9
2CC#13	4A-13A		3CC#26
2CC#14	4A-71A		3CC#10
2CC#15	5A-30A		3CC#11
2CC#16	5A-66A		3CC#12
2CC#17	12A-30A		3CC#13
2CC#18	12A-66A		3CC#14
2CC#19	12B		3CC#15
2CC#20	13A-66A		3CC#16
2CC#21	25A-25A		
2CC#22	29A-30A	B29 SCC Only	3CC#17
2CC#23	29A-66A	B29 SCC Only	3CC#18
2CC#24	30A-66A		3CC#19
2CC#25	41C		3CC#66
2CC#26	66A-66A		3CC#20
2CC#27	66A-71A		3CC#21
2CC#28	66B		3CC#22
2CC#29	66C		3CC#23
2CC#30	2A-14A		3CC#42
2CC#31	2A-48A	B48 SCC Only	3CC#46
2CC#32	2C		3CC#53
2CC#33	4A-48A	B48 SCC Only	

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#1	2A-2A-4A		4CC#1
3CC#2	2A-2A-5A		4CC#2
3CC#3	2A-2A-12A		4CC#3
3CC#4	2A-2A-13A		4CC#8
3CC#5	2A-2A-66A		4CC#5
3CC#6	2A-2A-71A		4CC#4
3CC#7	2A-4A-4A		4CC#1
3CC#8	2A-4A-5A		4CC#2
3CC#9	2A-4A-12A		4CC#3
3CC#10	2A-4A-71A		4CC#4
3CC#11	2A-5A-30A		4CC#15
3CC#12	2A-5A-66A		4CC#5
3CC#13	2A-12A-30A		4CC#18
3CC#14	2A-12A-66A		4CC#6
3CC#15	2A-12B		4CC#7
3CC#16	2A-13A-66A		4CC#8
3CC#17	2A-29A-30A	B29 SCC Only	4CC#33
3CC#18	2A-29A-66A	B29 SCC Only	4CC#34
3CC#19	2A-30A-66A		4CC#15
3CC#20	2A-66A-66A		4CC#9
3CC#21	2A-66A-71A		4CC#10
3CC#22	2A-66B		4CC#36
3CC#23	2A-66C		4CC#11
3CC#24	4A-4A-5A		4CC#12
3CC#25	4A-4A-12A		4CC#13
3CC#26	4A-4A-13A		
3CC#27	4A-4A-71A		
3CC#28	4A-12B		4CC#14
3CC#29	5A-30A-66A		4CC#15
3CC#30	5A-66A-66A		4CC#16
3CC#31	5A-66C		4CC#17
3CC#32	12A-30A-66A		4CC#18
3CC#33	12A-66A-66A		4CC#19

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#1	2A-2A-4A-4A		
4CC#2	2A-2A-4A-5A		
4CC#3	2A-2A-4A-12A		
4CC#4	2A-2A-4A-71A		
4CC#5	2A-2A-5A-66A		5CC#1
4CC#6	2A-2A-12A-66A		5CC#3
4CC#7	2A-2A-12B		5CC#4
4CC#8	2A-2A-13A-66A		5CC#10
4CC#9	2A-2A-66A-66A		5CC#1
4CC#10	2A-2A-66A-71A		
4CC#11	2A-2A-66C		5CC#2
4CC#12	2A-4A-4A-5A		
4CC#13	2A-4A-4A-12A		
4CC#14	2A-4A-12B		
4CC#15	2A-5A-30A-66A		5CC#5
4CC#16	2A-5A-66A-66A		5CC#1
4CC#17	2A-5A-66C		5CC#2
4CC#18	2A-12A-30A-66A		5CC#6
4CC#19	2A-12A-66A-66A		5CC#3
4CC#20	2A-12A-66C		
4CC#21	2A-12B-66A		5CC#4
4CC#22	2A-13A-66A-66A		5CC#10
4CC#23	2A-30A-66A-66A		5CC#5
4CC#24	2A-66A-66A-71A		
4CC#25	4A-4A-12B		
4CC#26	5A-30A-66A-66A		5CC#5
4CC#27	12A-30A-66A-66A		5CC#6
4CC#28	12B-66A-66A		5CC#16
4CC#29	2A-2A-5A-30A		5CC#7
4CC#30	2A-2A-12A-30A		5CC#9
4CC#31	2A-2A-14A-30A		5CC#11
4CC#32	2A-2A-14A-66A		5CC#11
4CC#33	2A-2A-29A-30A	B29 SCC Only	

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation (Continued)

Index	2CC	Restriction	Completely Covered by Measurement Superset
2CC#34	5A-25A		
2CC#35	5A-41A		
2CC#36	5A-48A	B48 SCC Only	3CC#46
2CC#37	12A-25A		
2CC#38	13A-48A	B48 SCC Only	3CC#47
2CC#39	14A-30A		3CC#48
2CC#40	14A-66A		3CC#49
2CC#41	25A-41A	B41 SCC Only	
2CC#42	41A-41A		
2CC#43	48A-48A		
2CC#44	48A-66A	B48 SCC Only	3CC#51
2CC#45	48A-71A	B48 SCC Only	3CC#69
2CC#46	48B		
2CC#47	48C		3CC#70

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#34	12A-66C		4CC#20
3CC#35	12B-66A		4CC#21
3CC#36	13A-66A-66A		4CC#22
3CC#37	13A-66B		4CC#42
3CC#38	13A-66C		4CC#43
3CC#39	30A-66A-66A		4CC#23
3CC#40	66A-66A-71A		4CC#24
3CC#41	66C-71A		4CC#54
3CC#42	2A-2A-14A		4CC#31
3CC#43	2A-2A-29A	B29 SCC Only	4CC#33
3CC#44	2A-2A-30A		4CC#29
3CC#45	2A-4A-13A		
3CC#46	2A-5A-48A	B48 SCC Only	4CC#37
3CC#47	2A-13A-48A	B48 SCC Only	4CC#40
3CC#48	2A-14A-30A		4CC#31
3CC#49	2A-14A-66A		4CC#32
3CC#50	2A-48A-48A	B48 SCC Only	4CC#48
3CC#51	2A-48A-66A	B48 SCC Only	4CC#37
3CC#52	2A-48C	B48 SCC Only	4CC#38
3CC#53	2C-66A		4CC#53
3CC#54	4A-48C	B48 SCC Only	
3CC#55	5A-48A-66A	B48 SCC Only	4CC#37
3CC#56	5A-48C	B48 SCC Only	4CC#38
3CC#57	5A-66B		4CC#39
3CC#58	13A-48A-66A	B48 SCC Only	4CC#40
3CC#59	13A-48B	B48 SCC Only	
3CC#60	13A-48C	B48 SCC Only	4CC#41
3CC#61	14A-30A-66A		4CC#44
3CC#62	14A-66A-66A		4CC#45
3CC#63	25A-41C	B41 SCC Only	
3CC#64	29A-30A-66A	B29 SCC Only	4CC#46
3CC#65	29A-66A-66A	B29 SCC Only	4CC#47
3CC#66	41A-41C		
3CC#67	41D		
3CC#68	48A-48A-66A	B48 SCC Only	4CC#48
3CC#69	48A-48A-71A	B48 SCC Only	
3CC#70	48A-48C		
3CC#71	48A-66A-66A	B48 SCC Only	4CC#50
3CC#72	48A-66B	B48 SCC Only	4CC#59
3CC#73	48A-66C	B48 SCC Only	4CC#60
3CC#74	48B-66A	B48 SCC Only	
3CC#75	48C-66A	B48 SCC Only	4CC#51
3CC#76	48C-71A	B48 SCC Only	
3CC#77	48D		4CC#68

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#34	2A-2A-29A-66A	B29 SCC Only	
4CC#35	2A-2A-30A-66A		5CC#7
4CC#36	2A-2A-66B		5CC#8
4CC#37	2A-5A-48A-66A	B48 SCC Only	5CC#13
4CC#38	2A-5A-48C	B48 SCC Only	5CC#14
4CC#39	2A-5A-66B		5CC#8
4CC#40	2A-13A-48A-66A	B48 SCC Only	
4CC#41	2A-13A-48C	B48 SCC Only	5CC#17
4CC#42	2A-13A-66B		
4CC#43	2A-13A-66C		
4CC#44	2A-14A-30A-66A		5CC#11
4CC#45	2A-14A-66A-66A		5CC#12
4CC#46	2A-29A-30A-66A	B29 SCC Only	
4CC#47	2A-29A-66A-66A	B29 SCC Only	
4CC#48	2A-48A-48A-66A	B48 SCC Only	
4CC#49	2A-48A-48C	B48 SCC Only	5CC#20
4CC#50	2A-48A-66A-66A	B48 SCC Only	5CC#13
4CC#51	2A-48C-66A	B48 SCC Only	5CC#14
4CC#52	2A-48D	B48 SCC Only	5CC#15
4CC#53	2C-66A-66A		
4CC#54	2A-66C-71A		
4CC#55	4A-48D	B48 SCC Only	
4CC#56	5A-48A-66A-66A	B48 SCC Only	5CC#13
4CC#57	5A-48C-66A	B48 SCC Only	5CC#14
4CC#58	5A-48D	B48 SCC Only	5CC#15
4CC#59	13A-48A-66B	B48 SCC Only	
4CC#60	13A-48A-66C	B48 SCC Only	
4CC#61	13A-48C-66A	B48 SCC Only	5CC#17
4CC#62	13A-48D	B48 SCC Only	5CC#18
4CC#63	14A-30A-66A-66A		5CC#19
4CC#64	25A-41D	B41 SCC Only	
4CC#65	29A-30A-66A-66A	B29 SCC Only	
4CC#66	48A-48A-66A-66A	B48 SCC Only	
4CC#67	48A-48C-66A	B48 SCC Only	5CC#20
4CC#68	48A-48D		
4CC#69	48C-48C		
4CC#70	48C-66A-66A	B48 SCC Only	5CC#22
4CC#71	48C-66B	B48 SCC Only	
4CC#72	48C-66C	B48 SCC Only	
4CC#73	48D-66A	B48 SCC Only	5CC#23
4CC#74	48E		5CC#32

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation (Continued)

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#1	2A-2A-5A-66A-66A		
5CC#2	2A-2A-5A-66C		
5CC#3	2A-2A-12A-66A-66A		
5CC#4	2A-2A-12B-66A		
5CC#5	2A-5A-30A-66A-66A		
5CC#6	2A-12A-30A-66A-66A		
5CC#7	2A-2A-5A-30A-66A		
5CC#8	2A-2A-5A-66B		
5CC#9	2A-2A-12A-30A-66A		
5CC#10	2A-2A-13A-66A-66A		
5CC#11	2A-2A-14A-30A-66A		
5CC#12	2A-2A-14A-66A-66A		
5CC#13	2A-5A-48A-66A-66A	B48 SCC Only	
5CC#14	2A-5A-48C-66A	B48 SCC Only	6CC#1
5CC#15	2A-5A-48D	B48 SCC Only	
5CC#16	2A-12B-66A-66A		
5CC#17	2A-13A-48C-66A	B48 SCC Only	
5CC#18	2A-13A-48D	B48 SCC Only	
5CC#19	2A-14A-30A-66A-66A		
5CC#20	2A-48A-48C-66A	B48 SCC Only	
5CC#21	2A-48C-48C	B48 SCC Only	
5CC#22	2A-48C-66A-66A	B48 SCC Only	6CC#1
5CC#23	2A-48D-66A	B48 SCC Only	
5CC#24	2A-48E	B48 SCC Only	6CC#2
5CC#25	4A-48E		
5CC#26	5A-48C-66A-66A	B48 SCC Only	6CC#1
5CC#27	5A-48D-66A	B48 SCC Only	6CC#3
5CC#28	13A-48D-66A	B48 SCC Only	
5CC#29	13A-48E	B48 SCC Only	6CC#4
5CC#30	48C-48C-66A	B48 SCC Only	
5CC#31	48A-48D-66A	B48 SCC Only	
5CC#32	48A-48E		
5CC#33	48C-48D		
5CC#34	48E-66A		6CC#2

Index	6CC	Restriction	Completely Covered by Measurement Superset
6CC#1	2A-5A-48C-66A-66A	B48 SCC Only	
6CC#2	2A-48E-66A	B48 SCC Only	
6CC#3	5A-48D-66A-66A	B48 SCC Only	
6CC#4	13A-48E-66A	B48 SCC Only	

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation with 4x4 MIMO

Index	2CC	Restriction	Completely Covered by Measurement Superset
2CC#1	[2A]-2A		3CC#2
2CC#2	[2A]-[2A]		3CC#4
2CC#3	2A-[4A]		3CC#1
2CC#4	[2A]-4A		3CC#2
2CC#5	[2A]-[4A]		3CC#3
2CC#6	[2A]-5A		3CC#6
2CC#7	[2A]-12A		3CC#8
2CC#8	[2A]-13A		3CC#10
2CC#9	[2A]-29A	29A SCC only	3CC#50
2CC#10	2A-[30A]		3CC#33
2CC#11	[2A]-30A		3CC#34
2CC#12	[2A]-[30A]		3CC#35
2CC#13	2A-[66A]		3CC#12
2CC#14	[2A]-66A		3CC#13
2CC#15	[2A]-[66A]		3CC#14
2CC#16	[2A]-71A		3CC#17
2CC#17	[4A]-4A		3CC#19
2CC#18	[4A]-[4A]		3CC#20
2CC#19	[4A]-5A		3CC#24
2CC#20	[4A]-12A		3CC#27
2CC#21	[4A]-13A		3CC#80
2CC#22	[4A]-71A		3CC#30
2CC#23	5A-[30A]		3CC#33
2CC#24	5A-[66A]		3CC#36
2CC#25	12A-[30A]		3CC#39
2CC#26	12A-[66A]		3CC#42
2CC#27	13A-[66A]		3CC#46
2CC#28	[25A]-25A		
2CC#29	[25A]-[25A]		
2CC#30	29A-[30A]	29A SCC only	3CC#49
2CC#31	29A-[66A]	29A SCC only	3CC#52
2CC#32	30A-[66A]		3CC#55
2CC#33	[30A]-66A		3CC#56
2CC#34	[30A]-[66A]		3CC#57
2CC#35	[41C]		3CC#178

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#1	2A-2A-[4A]		4CC#1
3CC#2	[2A]-2A-4A		4CC#3
3CC#3	[2A]-2A-[4A]		4CC#4
3CC#4	[2A]-[2A]-4A		4CC#6
3CC#5	[2A]-[2A]-[4A]		4CC#7
3CC#6	[2A]-2A-5A		4CC#10
3CC#7	[2A]-[2A]-5A		4CC#12
3CC#8	[2A]-2A-12A		4CC#15
3CC#9	[2A]-[2A]-12A		4CC#17
3CC#10	[2A]-2A-13A		4CC#37
3CC#11	[2A]-[2A]-13A		4CC#39
3CC#12	2A-2A-[66A]		4CC#24
3CC#13	[2A]-2A-66A		4CC#25
3CC#14	[2A]-2A-[66A]		4CC#26
3CC#15	[2A]-[2A]-66A		4CC#27
3CC#16	[2A]-[2A]-[66A]		4CC#28
3CC#17	[2A]-2A-71A		4CC#20
3CC#18	[2A]-[2A]-71A		4CC#22
3CC#19	2A-[4A]-4A		4CC#1
3CC#20	2A-[4A]-[4A]		4CC#2
3CC#21	[2A]-4A-4A		4CC#3
3CC#22	[2A]-[4A]-4A		4CC#4
3CC#23	[2A]-[4A]-[4A]		4CC#5
3CC#24	2A-[4A]-5A		4CC#9
3CC#25	[2A]-4A-5A		4CC#10
3CC#26	[2A]-[4A]-5A		4CC#11
3CC#27	2A-[4A]-12A		4CC#14
3CC#28	[2A]-4A-12A		4CC#15
3CC#29	[2A]-[4A]-12A		4CC#16
3CC#30	2A-[4A]-71A		4CC#19
3CC#31	[2A]-4A-71A		4CC#20
3CC#32	[2A]-[4A]-71A		4CC#21
3CC#33	2A-5A-[30A]		4CC#73
3CC#34	[2A]-5A-30A		4CC#75
3CC#35	[2A]-5A-[30A]		4CC#77

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#1	2A-2A-[4A]-4A		
4CC#2	2A-2A-[4A]-[4A]		
4CC#3	[2A]-2A-4A-4A		
4CC#4	[2A]-2A-[4A]-4A		
4CC#5	[2A]-2A-[4A]-[4A]		
4CC#6	[2A]-[2A]-4A-4A		
4CC#7	[2A]-[2A]-[4A]-4A		
4CC#8	[2A]-[2A]-[4A]-[4A]		
4CC#9	2A-2A-[4A]-5A		
4CC#10	[2A]-2A-4A-5A		
4CC#11	[2A]-2A-[4A]-5A		
4CC#12	[2A]-[2A]-4A-5A		
4CC#13	[2A]-[2A]-[4A]-5A		
4CC#14	2A-2A-[4A]-12A		
4CC#15	[2A]-2A-4A-12A		
4CC#16	[2A]-2A-[4A]-12A		
4CC#17	[2A]-[2A]-4A-12A		
4CC#18	[2A]-[2A]-[4A]-12A		
4CC#19	2A-2A-[4A]-71A		
4CC#20	[2A]-2A-4A-71A		
4CC#21	[2A]-2A-[4A]-71A		
4CC#22	[2A]-[2A]-4A-71A		
4CC#23	[2A]-[2A]-[4A]-71A		
4CC#24	2A-2A-5A-[66A]		5CC#1
4CC#25	[2A]-2A-5A-66A		5CC#3
4CC#26	[2A]-2A-5A-[66A]		5CC#4
4CC#27	[2A]-[2A]-5A-66A		5CC#6
4CC#28	[2A]-[2A]-5A-[66A]		5CC#7
4CC#29	2A-2A-12A-[66A]		5CC#14
4CC#30	[2A]-2A-12A-66A		5CC#16
4CC#31	[2A]-2A-12A-[66A]		5CC#17
4CC#32	[2A]-[2A]-12A-66A		5CC#19
4CC#33	[2A]-[2A]-12A-[66A]		5CC#20
4CC#34	[2A]-2A-12B		5CC#23
4CC#35	[2A]-[2A]-12B		5CC#25

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation with 4x4 MIM{Continued)

Index	2CC	Restriction	Completely Covered by Measurement Superset
2CC#36	[66A]-66A		3CC#62
2CC#37	[66A]-[66A]		3CC#63
2CC#38	[66A]-71A		3CC#67
2CC#39	[66B]		3CC#70
2CC#40	[66C]		3CC#73
2CC#41	[2A]-14A		3CC#110
2CC#42	2A-[48A]	48A SCC only	3CC#122
2CC#43	[2A]-48A	48A SCC only	3CC#123
2CC#44	[2A]-[48A]	48A SCC only	3CC#124
2CC#45	[2C]		3CC#150
2CC#46	4A-[48A]	B48 SCC Only	
2CC#47	[4A]-48A	B48 SCC Only	
2CC#48	[4A]-[48A]	B48 SCC Only	
2CC#49	5A-[25A]		
2CC#50	5A-[41A]	B41 SCC Only	
2CC#51	5A-[48A]	B48 SCC Only	3CC#122
2CC#52	12A-[25A]		
2CC#53	13A-[48A]	B48 SCC Only	3CC#125
2CC#54	14A-[30A]		3CC#128
2CC#55	14A-[66A]		3CC#131
2CC#56	25A-[41A]	B41 SCC Only	
2CC#57	[25A]-41A	B41 SCC Only	
2CC#58	[25A]-[41A]	B41 SCC Only	
2CC#59	[41A]-41A		
2CC#60	[41A]-[41A]		
2CC#61	[48A]-48A		
2CC#62	[48A]-[48A]		
2CC#63	48A-[66A]	B48 SCC Only	3CC#139
2CC#64	[48A]-66A	B48 SCC Only	3CC#140
2CC#65	[48A]-[66A]	B48 SCC Only	3CC#141
2CC#66	[48A]-71A	B48 SCC Only	3CC#187
2CC#67	[48B]		
2CC#68	[48C]		3CC#189

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#36	2A-5A-[66A]		4CC#24
3CC#37	[2A]-5A-66A		4CC#25
3CC#38	[2A]-5A-[66A]		4CC#26
3CC#39	2A-12A-[30A]		4CC#88
3CC#40	[2A]-12A-30A		4CC#90
3CC#41	[2A]-12A-[30A]		4CC#92
3CC#42	2A-12A-[66A]		4CC#29
3CC#43	[2A]-12A-66A		4CC#30
3CC#44	[2A]-12A-[66A]		4CC#31
3CC#45	[2A]-12B		4CC#34
3CC#46	2A-13A-[66A]		4CC#36
3CC#47	[2A]-13A-66A		4CC#37
3CC#48	[2A]-13A-[66A]		4CC#38
3CC#49	2A-29A-[30A]	B29 SCC Only	4CC#160
3CC#50	[2A]-29A-30A	B29 SCC Only	4CC#161
3CC#51	[2A]-29A-[30A]	B29 SCC Only	4CC#162
3CC#52	2A-29A-[66A]	B29 SCC Only	4CC#165
3CC#53	[2A]-29A-66A	B29 SCC Only	4CC#166
3CC#54	[2A]-29A-[66A]	B29 SCC Only	4CC#167
3CC#55	2A-30A-[66A]		4CC#72
3CC#56	2A-[30A]-66A		4CC#73
3CC#57	2A-[30A]-[66A]		4CC#74
3CC#58	[2A]-30A-66A		4CC#75
3CC#59	[2A]-30A-[66A]		4CC#76
3CC#60	[2A]-[30A]-66A		4CC#77
3CC#61	[2A]-[30A]-[66A]		4CC#78
3CC#62	2A-[66A]-66A		4CC#41
3CC#63	2A-[66A]-[66A]		4CC#42
3CC#64	[2A]-66A-66A		4CC#43
3CC#65	[2A]-[66A]-66A		4CC#44
3CC#66	[2A]-[66A]-[66A]		4CC#45
3CC#67	2A-[66A]-71A		4CC#49
3CC#68	[2A]-66A-71A		4CC#50
3CC#69	[2A]-[66A]-71A		4CC#51
3CC#70	2A-[66B]		4CC#181
3CC#71	[2A]-66B		4CC#182
3CC#72	[2A]-[66B]		4CC#183
3CC#73	2A-[66C]		4CC#54
3CC#74	[2A]-66C		4CC#55

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#36	2A-2A-13A-[66A]		5CC#76
4CC#37	[2A]-2A-13A-66A		5CC#78
4CC#38	[2A]-2A-13A-[66A]		5CC#79
4CC#39	[2A]-[2A]-13A-66A		5CC#81
4CC#40	[2A]-[2A]-13A-[66A]		5CC#82
4CC#41	2A-2A-[66A]-66A		5CC#1
4CC#42	2A-2A-[66A]-[66A]		5CC#2
4CC#43	[2A]-2A-66A-66A		5CC#3
4CC#44	[2A]-2A-[66A]-66A		5CC#4
4CC#45	[2A]-2A-[66A]-[66A]		5CC#5
4CC#46	[2A]-[2A]-66A-66A		5CC#6
4CC#47	[2A]-[2A]-[66A]-66A		5CC#7
4CC#48	[2A]-[2A]-[66A]-[66A]		5CC#8
4CC#49	2A-2A-[66A]-71A		
4CC#50	[2A]-2A-66A-71A		
4CC#51	[2A]-2A-[66A]-71A		
4CC#52	[2A]-[2A]-66A-71A		
4CC#53	[2A]-[2A]-[66A]-71A		
4CC#54	2A-2A-[66C]		5CC#9
4CC#55	[2A]-2A-66C		5CC#10
4CC#56	[2A]-2A-[66C]		5CC#11
4CC#57	[2A]-[2A]-66C		5CC#12
4CC#58	[2A]-[2A]-[66C]		5CC#13
4CC#59	2A-[4A]-4A-5A		
4CC#60	2A-[4A]-[4A]-5A		
4CC#61	[2A]-4A-4A-5A		
4CC#62	[2A]-[4A]-4A-5A		
4CC#63	[2A]-[4A]-[4A]-5A		
4CC#64	2A-[4A]-4A-12A		
4CC#65	2A-[4A]-[4A]-12A		
4CC#66	[2A]-4A-4A-12A		
4CC#67	[2A]-[4A]-4A-12A		
4CC#68	[2A]-[4A]-[4A]-12A		
4CC#69	2A-[4A]-12B		
4CC#70	[2A]-4A-12B		
4CC#71	[2A]-[4A]-12B		
4CC#72	2A-5A-30A-[66A]		5CC#27
4CC#73	2A-5A-[30A]-66A		5CC#29
4CC#74	2A-5A-[30A]-[66A]		5CC#30

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation with 4x4 MIMO (Continued)

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#75	[2A]-[66C]		4CC#56
3CC#76	[4A]-4A-5A		4CC#59
3CC#77	[4A]-[4A]-5A		4CC#60
3CC#78	[4A]-4A-12A		4CC#64
3CC#79	[4A]-[4A]-12A		4CC#65
3CC#80	[4A]-4A-13A		
3CC#81	[4A]-[4A]-13A		
3CC#82	[4A]-4A-71A		
3CC#83	[4A]-[4A]-71A		
3CC#84	[4A]-12B		4CC#69
3CC#85	5A-30A-[66A]		4CC#72
3CC#86	5A-[30A]-66A		4CC#73
3CC#87	5A-[30A]-[66A]		4CC#74
3CC#88	5A-[66A]-66A		4CC#79
3CC#89	5A-[66A]-[66A]		4CC#80
3CC#90	5A-[66C]		4CC#84
3CC#91	12A-30A-[66A]		4CC#87
3CC#92	12A-[30A]-66A		4CC#88
3CC#93	12A-[30A]-[66A]		4CC#89
3CC#94	12A-[66A]-66A		4CC#94
3CC#95	12A-[66A]-[66A]		4CC#95
3CC#96	12A-[66C]		4CC#99
3CC#97	12B-[66A]		4CC#102
3CC#98	13A-[66A]-66A		4CC#105
3CC#99	13A-[66A]-[66A]		4CC#106
3CC#100	13A-[66B]		4CC#209
3CC#101	13A-[66C]		4CC#212
3CC#102	30A-[66A]-66A		4CC#110
3CC#103	30A-[66A]-[66A]		4CC#111
3CC#104	[30A]-66A-66A		4CC#112
3CC#105	[30A]-[66A]-66A		4CC#113
3CC#106	[30A]-[66A]-[66A]		4CC#114
3CC#107	[66A]-66A-71A		4CC#121
3CC#108	[66A]-[66A]-71A		4CC#122
3CC#109	[66C]-71A		4CC#283
3CC#110	[2A]-2A-14A		4CC#151
3CC#111	[2A]-[2A]-14A		4CC#153
3CC#112	[2A]-2A-29A	B29 SCC Only	4CC#161
3CC#113	[2A]-[2A]-29A	B29 SCC Only	4CC#163
3CC#114	2A-2A-[30A]		4CC#140
3CC#115	[2A]-2A-30A		4CC#141
3CC#116	[2A]-2A-[30A]		4CC#142
3CC#117	[2A]-[2A]-30A		4CC#143

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#75	[2A]-5A-30A-66A		5CC#32
4CC#76	[2A]-5A-30A-[66A]		5CC#33
4CC#77	[2A]-5A-[30A]-66A		5CC#35
4CC#78	[2A]-5A-[30A]-[66A]		5CC#36
4CC#79	2A-5A-[66A]-66A		5CC#1
4CC#80	2A-5A-[66A]-[66A]		5CC#2
4CC#81	[2A]-5A-66A-66A		5CC#3
4CC#82	[2A]-5A-[66A]-66A		5CC#4
4CC#83	[2A]-5A-[66A]-[66A]		5CC#5
4CC#84	2A-5A-[66C]		5CC#9
4CC#85	[2A]-5A-66C		5CC#10
4CC#86	[2A]-5A-[66C]		5CC#11
4CC#87	2A-12A-30A-[66A]		5CC#38
4CC#88	2A-12A-[30A]-66A		5CC#40
4CC#89	2A-12A-[30A]-[66A]		5CC#41
4CC#90	[2A]-12A-30A-66A		5CC#43
4CC#91	[2A]-12A-30A-[66A]		5CC#44
4CC#92	[2A]-12A-[30A]-66A		5CC#46
4CC#93	[2A]-12A-[30A]-[66A]		5CC#47
4CC#94	2A-12A-[66A]-66A		5CC#14
4CC#95	2A-12A-[66A]-[66A]		5CC#15
4CC#96	[2A]-12A-66A-66A		5CC#16
4CC#97	[2A]-12A-[66A]-66A		5CC#17
4CC#98	[2A]-12A-[66A]-[66A]		5CC#18
4CC#99	2A-12A-[66C]		
4CC#100	[2A]-12A-66C		
4CC#101	[2A]-12A-[66C]		
4CC#102	2A-12B-[66A]		5CC#22
4CC#103	[2A]-12B-66A		5CC#23
4CC#104	[2A]-12B-[66A]		5CC#24
4CC#105	2A-13A-[66A]-66A		5CC#76
4CC#106	2A-13A-[66A]-[66A]		5CC#77
4CC#107	[2A]-13A-66A-66A		5CC#78
4CC#108	[2A]-13A-[66A]-66A		5CC#79
4CC#109	[2A]-13A-[66A]-[66A]		5CC#80
4CC#110	2A-30A-[66A]-66A		5CC#27
4CC#111	2A-30A-[66A]-[66A]		5CC#28
4CC#112	2A-[30A]-66A-66A		5CC#29
4CC#113	2A-[30A]-[66A]-66A		5CC#30
4CC#114	2A-[30A]-[66A]-[66A]		5CC#31
4CC#115	[2A]-30A-66A-66A		5CC#32
4CC#116	[2A]-30A-[66A]-66A		5CC#33
4CC#117	[2A]-30A-[66A]-[66A]		5CC#34

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#1	2A-2A-5A-[66A]-66A		
5CC#2	2A-2A-5A-[66A]-[66A]		
5CC#3	[2A]-2A-5A-66A-66A		
5CC#4	[2A]-2A-5A-[66A]-66A		
5CC#5	[2A]-2A-5A-[66A]-[66A]		
5CC#6	[2A]-[2A]-5A-66A-66A		
5CC#7	[2A]-[2A]-5A-[66A]-66A		
5CC#8	[2A]-[2A]-5A-[66A]-[66A]		
5CC#9	2A-2A-5A-[66C]		
5CC#10	[2A]-2A-5A-66C		
5CC#11	[2A]-2A-5A-[66C]		
5CC#12	[2A]-[2A]-5A-66C		
5CC#13	[2A]-[2A]-5A-[66C]		
5CC#14	2A-2A-12A-[66A]-66A		
5CC#15	2A-2A-12A-[66A]-[66A]		
5CC#16	[2A]-2A-12A-66A-66A		
5CC#17	[2A]-2A-12A-[66A]-66A		
5CC#18	[2A]-2A-12A-[66A]-[66A]		
5CC#19	[2A]-[2A]-12A-66A-66A		
5CC#20	[2A]-[2A]-12A-[66A]-66A		
5CC#21	[2A]-[2A]-12A-[66A]-[66A]		
5CC#22	2A-2A-12B-[66A]		
5CC#23	[2A]-2A-12B-66A		
5CC#24	[2A]-2A-12B-[66A]		
5CC#25	[2A]-[2A]-12B-66A		
5CC#26	[2A]-[2A]-12B-[66A]		
5CC#27	2A-5A-30A-[66A]-66A		
5CC#28	2A-5A-30A-[66A]-[66A]		
5CC#29	2A-5A-[30A]-66A-66A		
5CC#30	2A-5A-[30A]-[66A]-66A		
5CC#31	2A-5A-[30A]-[66A]-[66A]		
5CC#32	[2A]-5A-30A-66A-66A		
5CC#33	[2A]-5A-30A-[66A]-66A		
5CC#34	[2A]-5A-30A-[66A]-[66A]		
5CC#35	[2A]-5A-[30A]-66A-66A		
5CC#36	[2A]-5A-[30A]-[66A]-66A		
5CC#37	[2A]-5A-[30A]-[66A]-[66A]		
5CC#38	2A-12A-30A-[66A]-66A		
5CC#39	2A-12A-30A-[66A]-[66A]		
5CC#40	2A-12A-[30A]-66A-66A		
5CC#41	2A-12A-[30A]-[66A]-66A		
5CC#42	2A-12A-[30A]-[66A]-[66A]		
5CC#43	[2A]-12A-30A-66A-66A		

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation with 4x4 MIMO (Continued)

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#118	[2A]-[2A]-[30A]		4CC#144
3CC#119	2A-[4A]-13A		
3CC#120	[2A]-4A-13A		
3CC#121	[2A]-[4A]-13A		
3CC#122	2A-5A-[48A]	B48 SCC Only	4CC#187
3CC#123	[2A]-5A-48A	B48 SCC Only	4CC#189
3CC#124	[2A]-5A-[48A]	B48 SCC Only	4CC#191
3CC#125	2A-13A-[48A]	B48 SCC Only	4CC#200
3CC#126	[2A]-13A-48A	B48 SCC Only	4CC#202
3CC#127	[2A]-13A-[48A]	B48 SCC Only	4CC#204
3CC#128	2A-14A-[30A]		4CC#150
3CC#129	[2A]-14A-30A		4CC#151
3CC#130	[2A]-14A-[30A]		4CC#152
3CC#131	2A-14A-[66A]		4CC#155
3CC#132	[2A]-14A-66A		4CC#156
3CC#133	[2A]-14A-[66A]		4CC#157
3CC#134	2A-[48A]-48A	B48 SCC Only	4CC#240
3CC#135	2A-[48A]-[48A]	B48 SCC Only	4CC#242
3CC#136	[2A]-48A-48A	B48 SCC Only	4CC#244
3CC#137	[2A]-[48A]-48A	B48 SCC Only	4CC#246
3CC#138	[2A]-[48A]-[48A]	B48 SCC Only	4CC#248
3CC#139	2A-48A-[66A]	B48 SCC Only	4CC#186
3CC#140	2A-[48A]-66A	B48 SCC Only	4CC#187
3CC#141	2A-[48A]-[66A]	B48 SCC Only	4CC#188
3CC#142	[2A]-48A-66A	B48 SCC Only	4CC#189
3CC#143	[2A]-48A-[66A]	B48 SCC Only	4CC#190
3CC#144	[2A]-[48A]-66A	B48 SCC Only	4CC#191
3CC#145	[2A]-[48A]-[66A]	B48 SCC Only	4CC#192
3CC#146	2A-[48C]	B48 SCC Only	4CC#193
3CC#147	[2A]-48C	B48 SCC Only	4CC#194
3CC#148	[2A]-[48C]	B48 SCC Only	4CC#195
3CC#149	2C-[66A]		4CC#278
3CC#150	[2C]-66A		4CC#280
3CC#151	[2C]-[66A]		4CC#281
3CC#152	4A-[48C]	B48 SCC Only	
3CC#153	[4A]-48C	B48 SCC Only	
3CC#154	[4A]-[48C]	B48 SCC Only	
3CC#155	5A-48A-[66A]	B48 SCC Only	4CC#186
3CC#156	5A-[48A]-66A	B48 SCC Only	4CC#187

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#118	[2A]-[30A]-66A-66A		5CC#35
4CC#119	[2A]-[30A]-[66A]-66A		5CC#36
4CC#120	[2A]-[30A]-[66A]-[66A]		5CC#37
4CC#121	2A-[66A]-66A-71A		
4CC#122	2A-[66A]-[66A]-71A		
4CC#123	[2A]-66A-66A-71A		
4CC#124	[2A]-[66A]-66A-71A		
4CC#125	[2A]-[66A]-[66A]-71A		
4CC#126	[4A]-4A-12B		
4CC#127	[4A]-[4A]-12B		
4CC#128	5A-30A-[66A]-66A		5CC#27
4CC#129	5A-30A-[66A]-[66A]		5CC#28
4CC#130	5A-[30A]-66A-66A		5CC#29
4CC#131	5A-[30A]-[66A]-66A		5CC#30
4CC#132	5A-[30A]-[66A]-[66A]		5CC#31
4CC#133	12A-30A-[66A]-66A		5CC#38
4CC#134	12A-30A-[66A]-[66A]		5CC#39
4CC#135	12A-[30A]-66A-66A		5CC#40
4CC#136	12A-[30A]-[66A]-66A		5CC#41
4CC#137	12A-[30A]-[66A]-[66A]		5CC#42
4CC#138	12B-[66A]-66A		5CC#124
4CC#139	12B-[66A]-[66A]		5CC#125
4CC#140	2A-2A-5A-[30A]		5CC#50
4CC#141	[2A]-2A-5A-30A		5CC#52
4CC#142	[2A]-2A-5A-[30A]		5CC#54
4CC#143	[2A]-[2A]-5A-30A		5CC#56
4CC#144	[2A]-[2A]-5A-[30A]		5CC#58
4CC#145	2A-2A-12A-[30A]		5CC#66
4CC#146	[2A]-2A-12A-30A		5CC#68
4CC#147	[2A]-2A-12A-[30A]		5CC#70
4CC#148	[2A]-[2A]-12A-30A		5CC#72
4CC#149	[2A]-[2A]-12A-[30A]		5CC#74
4CC#150	2A-2A-14A-[30A]		5CC#85
4CC#151	[2A]-2A-14A-30A		5CC#87
4CC#152	[2A]-2A-14A-[30A]		5CC#89
4CC#153	[2A]-[2A]-14A-30A		5CC#91
4CC#154	[2A]-[2A]-14A-[30A]		5CC#93
4CC#155	2A-2A-14A-[66A]		5CC#84
4CC#156	[2A]-2A-14A-66A		5CC#87

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#44	[2A]-12A-30A-[66A]-66A		
5CC#45	[2A]-12A-30A-[66A]-[66A]		
5CC#46	[2A]-12A-[30A]-66A-66A		
5CC#47	[2A]-12A-[30A]-[66A]-66A		
5CC#48	[2A]-12A-[30A]-[66A]-[66A]		
5CC#49	2A-2A-5A-30A-[66A]		
5CC#50	2A-2A-5A-[30A]-66A		
5CC#51	2A-2A-5A-[30A]-[66A]		
5CC#52	[2A]-2A-5A-30A-66A		
5CC#53	[2A]-2A-5A-30A-[66A]		
5CC#54	[2A]-2A-5A-[30A]-66A		
5CC#55	[2A]-2A-5A-[30A]-[66A]		
5CC#56	[2A]-[2A]-5A-30A-66A		
5CC#57	[2A]-[2A]-5A-30A-[66A]		
5CC#58	[2A]-[2A]-5A-[30A]-66A		
5CC#59	[2A]-[2A]-5A-[30A]-[66A]		
5CC#60	2A-2A-5A-[66B]		
5CC#61	[2A]-2A-5A-66B		
5CC#62	[2A]-2A-5A-[66B]		
5CC#63	[2A]-[2A]-5A-66B		
5CC#64	[2A]-[2A]-5A-[66B]		
5CC#65	2A-2A-12A-30A-[66A]		
5CC#66	2A-2A-12A-[30A]-66A		
5CC#67	2A-2A-12A-[30A]-[66A]		
5CC#68	[2A]-2A-12A-30A-66A		
5CC#69	[2A]-2A-12A-30A-[66A]		
5CC#70	[2A]-2A-12A-[30A]-66A		
5CC#71	[2A]-2A-12A-[30A]-[66A]		
5CC#72	[2A]-[2A]-12A-30A-66A		
5CC#73	[2A]-[2A]-12A-30A-[66A]		
5CC#74	[2A]-[2A]-12A-[30A]-66A		
5CC#75	[2A]-[2A]-12A-[30A]-[66A]		
5CC#76	2A-2A-13A-[66A]-66A		
5CC#77	2A-2A-13A-[66A]-[66A]		
5CC#78	[2A]-2A-13A-66A-66A		
5CC#79	[2A]-2A-13A-[66A]-66A		
5CC#80	[2A]-2A-13A-[66A]-[66A]		
5CC#81	[2A]-[2A]-13A-66A-66A		
5CC#82	[2A]-[2A]-13A-[66A]-66A		

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation with 4x4 MIMO (Continued)

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#157	5A-[48A]-[66A]	B48 SCC Only	4CC#188
3CC#158	5A-[48C]	B48 SCC Only	4CC#193
3CC#159	5A-[66B]		4CC#196
3CC#160	13A-48A-[66A]	B48 SCC Only	4CC#199
3CC#161	13A-[48A]-66A	B48 SCC Only	4CC#200
3CC#162	13A-[48A]-[66A]	B48 SCC Only	4CC#201
3CC#163	13A-[48B]	B48 SCC Only	
3CC#164	13A-[48C]	B48 SCC Only	4CC#206
3CC#165	14A-30A-[66A]		4CC#215
3CC#166	14A-[30A]-66A		4CC#216
3CC#167	14A-[30A]-[66A]		4CC#217
3CC#168	14A-[66A]-66A		4CC#222
3CC#169	14A-[66A]-[66A]		4CC#223
3CC#170	25A-[41C]	B41 SCC Only	
3CC#171	[25A]-41C	B41 SCC Only	
3CC#172	[25A]-[41C]	B41 SCC Only	
3CC#173	29A-30A-[66A]	B29 SCC Only	4CC#227
3CC#174	29A-[30A]-66A	B29 SCC Only	4CC#228
3CC#175	29A-[30A]-[66A]	B29 SCC Only	4CC#229
3CC#176	29A-[66A]-66A	B29 SCC Only	4CC#234
3CC#177	29A-[66A]-[66A]	B29 SCC Only	4CC#235
3CC#178	41A-[41C]		
3CC#179	[41A]-41C		
3CC#180	[41A]-[41C]		
3CC#181	[41D]		
3CC#182	48A-48A-[66A]	B48 SCC Only	4CC#239
3CC#183	[48A]-48A-66A	B48 SCC Only	4CC#240
3CC#184	[48A]-48A-[66A]	B48 SCC Only	4CC#241
3CC#185	[48A]-[48A]-66A	B48 SCC Only	4CC#242
3CC#186	[48A]-[48A]-[66A]	B48 SCC Only	4CC#243
3CC#187	[48A]-48A-71A	B48 SCC Only	
3CC#188	[48A]-[48A]-71A	B48 SCC Only	
3CC#189	48A-[48C]		
3CC#190	[48A]-48C		
3CC#191	[48A]-[48C]		
3CC#192	48A-[66A]-66A	B48 SCC Only	4CC#257
3CC#193	48A-[66A]-[66A]	B48 SCC Only	4CC#258
3CC#194	[48A]-66A-66A	B48 SCC Only	4CC#259

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#157	[2A]-2A-14A-[66A]		5CC#88
4CC#158	[2A]-[2A]-14A-66A		5CC#91
4CC#159	[2A]-[2A]-14A-[66A]		5CC#92
4CC#160	2A-2A-29A-[30A]	B29 SCC Only	
4CC#161	[2A]-2A-29A-30A	B29 SCC Only	
4CC#162	[2A]-2A-29A-[30A]	B29 SCC Only	
4CC#163	[2A]-[2A]-29A-30A	B29 SCC Only	
4CC#164	[2A]-[2A]-29A-[30A]	B29 SCC Only	
4CC#165	2A-2A-29A-[66A]	B29 SCC Only	
4CC#166	[2A]-2A-29A-66A	B29 SCC Only	
4CC#167	[2A]-2A-29A-[66A]	B29 SCC Only	
4CC#168	[2A]-[2A]-29A-66A	B29 SCC Only	
4CC#169	[2A]-[2A]-29A-[66A]	B29 SCC Only	
4CC#170	2A-2A-30A-[66A]		5CC#49
4CC#171	2A-2A-[30A]-66A		5CC#50
4CC#172	2A-2A-[30A]-[66A]		5CC#51
4CC#173	[2A]-2A-30A-66A		5CC#52
4CC#174	[2A]-2A-30A-[66A]		5CC#53
4CC#175	[2A]-2A-[30A]-66A		5CC#54
4CC#176	[2A]-2A-[30A]-[66A]		5CC#55
4CC#177	[2A]-[2A]-30A-66A		5CC#56
4CC#178	[2A]-[2A]-30A-[66A]		5CC#57
4CC#179	[2A]-[2A]-[30A]-66A		5CC#58
4CC#180	[2A]-[2A]-[30A]-[66A]		5CC#59
4CC#181	2A-2A-[66B]		5CC#60
4CC#182	[2A]-2A-66B		5CC#61
4CC#183	[2A]-2A-[66B]		5CC#62
4CC#184	[2A]-[2A]-66B		5CC#63
4CC#185	[2A]-[2A]-[66B]		5CC#64
4CC#186	2A-5A-48A-[66A]	B48 SCC Only	5CC#103
4CC#187	2A-5A-[48A]-66A	B48 SCC Only	5CC#105
4CC#188	2A-5A-[48A]-[66A]	B48 SCC Only	5CC#106
4CC#189	[2A]-5A-48A-66A	B48 SCC Only	5CC#108
4CC#190	[2A]-5A-48A-[66A]	B48 SCC Only	5CC#109
4CC#191	[2A]-5A-[48A]-66A	B48 SCC Only	5CC#111
4CC#192	[2A]-5A-[48A]-[66A]	B48 SCC Only	5CC#112
4CC#193	2A-5A-[48C]	B48 SCC Only	5CC#115
4CC#194	[2A]-5A-48C	B48 SCC Only	5CC#117

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#83	[2A]-[2A]-13A-[66A]-[66A]		
5CC#84	2A-2A-14A-30A-[66A]		
5CC#85	2A-2A-14A-[30A]-66A		
5CC#86	2A-2A-14A-[30A]-[66A]		
5CC#87	[2A]-2A-14A-30A-66A		
5CC#88	[2A]-2A-14A-30A-[66A]		
5CC#89	[2A]-2A-14A-[30A]-66A		
5CC#90	[2A]-2A-14A-[30A]-[66A]		
5CC#91	[2A]-[2A]-14A-30A-66A		
5CC#92	[2A]-[2A]-14A-30A-[66A]		
5CC#93	[2A]-[2A]-14A-[30A]-66A		
5CC#94	[2A]-[2A]-14A-[30A]-[66A]		
5CC#95	2A-2A-14A-[66A]-66A		
5CC#96	2A-2A-14A-[66A]-[66A]		
5CC#97	[2A]-2A-14A-66A-66A		
5CC#98	[2A]-2A-14A-[66A]-66A		
5CC#99	[2A]-2A-14A-[66A]-[66A]		
5CC#100	[2A]-[2A]-14A-66A-66A		
5CC#101	[2A]-[2A]-14A-[66A]-66A		
5CC#102	[2A]-[2A]-14A-[66A]-[66A]		
5CC#103	2A-5A-48A-[66A]-66A	B48 SCC Only	
5CC#104	2A-5A-48A-[66A]-[66A]	B48 SCC Only	
5CC#105	2A-5A-[48A]-66A-66A	B48 SCC Only	
5CC#106	2A-5A-[48A]-[66A]-66A	B48 SCC Only	
5CC#107	2A-5A-[48A]-[66A]-[66A]	B48 SCC Only	
5CC#108	[2A]-5A-48A-66A-66A	B48 SCC Only	
5CC#109	[2A]-5A-48A-[66A]-66A	B48 SCC Only	
5CC#110	[2A]-5A-48A-[66A]-[66A]	B48 SCC Only	
5CC#111	[2A]-5A-[48A]-66A-66A	B48 SCC Only	
5CC#112	[2A]-5A-[48A]-[66A]-66A	B48 SCC Only	
5CC#113	[2A]-5A-[48A]-[66A]-[66A]	B48 SCC Only	
5CC#114	2A-5A-48C-[66A]	B48 SCC Only	6CC#1
5CC#115	2A-5A-[48C]-66A	B48 SCC Only	6CC#3
5CC#116	2A-5A-[48C]-[66A]	B48 SCC Only	6CC#4
5CC#117	[2A]-5A-48C-66A	B48 SCC Only	6CC#6
5CC#118	[2A]-5A-48C-[66A]	B48 SCC Only	6CC#7
5CC#119	[2A]-5A-[48C]-66A	B48 SCC Only	6CC#9
5CC#120	[2A]-5A-[48C]-[66A]	B48 SCC Only	6CC#10

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation with 4x4 MIMO (Continued)

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#195	[48A]-[66A]-66A	B48 SCC Only	4CC#260
3CC#196	[48A]-[66A]-[66A]	B48 SCC Only	4CC#261
3CC#197	48A-[66B]	B48 SCC Only	4CC#298
3CC#198	[48A]-66B	B48 SCC Only	4CC#299
3CC#199	[48A]-[66B]	B48 SCC Only	4CC#300
3CC#200	48A-[66C]	B48 SCC Only	4CC#301
3CC#201	[48A]-66C	B48 SCC Only	4CC#302
3CC#202	[48A]-[66C]	B48 SCC Only	4CC#303
3CC#203	48B-[66A]	B48 SCC Only	
3CC#204	[48B]-66A	B48 SCC Only	
3CC#205	[48B]-[66A]	B48 SCC Only	
3CC#206	48C-[66A]	B48 SCC Only	4CC#268
3CC#207	[48C]-66A	B48 SCC Only	4CC#269
3CC#208	[48C]-[66A]	B48 SCC Only	4CC#270
3CC#209	[48C]-71A	B48 SCC Only	
3CC#210	[48D]		4CC#336

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#195	[2A]-5A-[48C]	B48 SCC Only	5CC#119
4CC#196	2A-5A-[66B]		5CC#60
4CC#197	[2A]-5A-66B		5CC#61
4CC#198	[2A]-5A-[66B]		5CC#62
4CC#199	2A-13A-48A-[66A]	B48 SCC Only	
4CC#200	2A-13A-[48A]-66A	B48 SCC Only	
4CC#201	2A-13A-[48A]-[66A]	B48 SCC Only	
4CC#202	[2A]-13A-48A-66A	B48 SCC Only	
4CC#203	[2A]-13A-48A-[66A]	B48 SCC Only	
4CC#204	[2A]-13A-[48A]-66A	B48 SCC Only	
4CC#205	[2A]-13A-[48A]-[66A]	B48 SCC Only	
4CC#206	2A-13A-[48C]	B48 SCC Only	5CC#130
4CC#207	[2A]-13A-48C	B48 SCC Only	5CC#132
4CC#208	[2A]-13A-[48C]	B48 SCC Only	5CC#134
4CC#209	2A-13A-[66B]		
4CC#210	[2A]-13A-66B		
4CC#211	[2A]-13A-[66B]		
4CC#212	2A-13A-[66C]		
4CC#213	[2A]-13A-66C		
4CC#214	[2A]-13A-[66C]		
4CC#215	2A-14A-30A-[66A]		5CC#84
4CC#216	2A-14A-[30A]-66A		5CC#85
4CC#217	2A-14A-[30A]-[66A]		5CC#86
4CC#218	[2A]-14A-30A-66A		5CC#87
4CC#219	[2A]-14A-30A-[66A]		5CC#88
4CC#220	[2A]-14A-[30A]-66A		5CC#89
4CC#221	[2A]-14A-[30A]-[66A]		5CC#90
4CC#222	2A-14A-[66A]-66A		5CC#95
4CC#223	2A-14A-[66A]-[66A]		5CC#96
4CC#224	[2A]-14A-66A-66A		5CC#97
4CC#225	[2A]-14A-[66A]-66A		5CC#98
4CC#226	[2A]-14A-[66A]-[66A]		5CC#99
4CC#227	2A-29A-30A-[66A]	B29 SCC Only	
4CC#228	2A-29A-[30A]-66A	B29 SCC Only	
4CC#229	2A-29A-[30A]-[66A]	B29 SCC Only	
4CC#230	[2A]-29A-30A-66A	B29 SCC Only	
4CC#231	[2A]-29A-30A-[66A]	B29 SCC Only	
4CC#232	[2A]-29A-[30A]-66A	B29 SCC Only	
4CC#233	[2A]-29A-[30A]-[66A]	B29 SCC Only	
4CC#234	2A-29A-[66A]-66A	B29 SCC Only	
4CC#235	2A-29A-[66A]-[66A]	B29 SCC Only	
4CC#236	[2A]-29A-66A-66A	B29 SCC Only	
4CC#237	[2A]-29A-[66A]-66A	B29 SCC Only	
4CC#238	[2A]-29A-[66A]-[66A]	B29 SCC Only	
4CC#239	2A-48A-48A-[66A]	B48 SCC Only	
4CC#240	2A-[48A]-48A-66A	B48 SCC Only	
4CC#241	2A-[48A]-48A-[66A]	B48 SCC Only	
4CC#242	2A-[48A]-[48A]-66A	B48 SCC Only	
4CC#243	2A-[48A]-[48A]-[66A]	B48 SCC Only	

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#121	2A-5A-[48D]	B48 SCC Only	
5CC#122	[2A]-5A-48D	B48 SCC Only	
5CC#123	[2A]-5A-[48D]	B48 SCC Only	
5CC#124	2A-12B-[66A]-66A		
5CC#125	2A-12B-[66A]-[66A]		
5CC#126	[2A]-12B-66A-66A		
5CC#127	[2A]-12B-[66A]-66A		
5CC#128	[2A]-12B-[66A]-[66A]		
5CC#129	2A-13A-48C-[66A]	B48 SCC Only	
5CC#130	2A-13A-[48C]-66A	B48 SCC Only	
5CC#131	2A-13A-[48C]-[66A]	B48 SCC Only	
5CC#132	[2A]-13A-48C-66A	B48 SCC Only	
5CC#133	[2A]-13A-48C-[66A]	B48 SCC Only	
5CC#134	[2A]-13A-[48C]-66A	B48 SCC Only	
5CC#135	[2A]-13A-[48C]-[66A]	B48 SCC Only	
5CC#136	2A-13A-[48D]	B48 SCC Only	
5CC#137	[2A]-13A-48D	B48 SCC Only	
5CC#138	[2A]-13A-[48D]	B48 SCC Only	
5CC#139	2A-14A-30A-[66A]-66A		
5CC#140	2A-14A-30A-[66A]-[66A]		
5CC#141	2A-14A-[30A]-66A-66A		
5CC#142	2A-14A-[30A]-[66A]-66A		
5CC#143	2A-14A-[30A]-[66A]-[66A]		
5CC#144	[2A]-14A-30A-66A-66A		
5CC#145	[2A]-14A-30A-[66A]-66A		
5CC#146	[2A]-14A-30A-[66A]-[66A]		
5CC#147	[2A]-14A-[30A]-66A-66A		
5CC#148	[2A]-14A-[30A]-[66A]-66A		
5CC#149	[2A]-14A-[30A]-[66A]-[66A]		
5CC#150	2A-48A-48C-[66A]	B48 SCC Only	
5CC#151	2A-48A-[48C]-66A	B48 SCC Only	
5CC#152	2A-48A-[48C]-[66A]	B48 SCC Only	
5CC#153	2A-[48A]-48C-66A	B48 SCC Only	
5CC#154	2A-[48A]-48C-[66A]	B48 SCC Only	
5CC#155	2A-[48A]-[48C]-66A	B48 SCC Only	
5CC#156	2A-[48A]-[48C]-[66A]	B48 SCC Only	
5CC#157	[2A]-48A-48C-66A	B48 SCC Only	
5CC#158	[2A]-48A-48C-[66A]	B48 SCC Only	
5CC#159	[2A]-48A-[48C]-66A	B48 SCC Only	
5CC#160	[2A]-48A-[48C]-[66A]	B48 SCC Only	
5CC#161	[2A]-[48A]-48C-66A	B48 SCC Only	
5CC#162	[2A]-[48A]-48C-[66A]	B48 SCC Only	
5CC#163	[2A]-[48A]-[48C]-66A	B48 SCC Only	
5CC#164	[2A]-[48A]-[48C]-[66A]	B48 SCC Only	
5CC#165	2A-[48C]-48C	B48 SCC Only	
5CC#166	2A-[48C]-[48C]	B48 SCC Only	
5CC#167	[2A]-48C-48C	B48 SCC Only	
5CC#168	[2A]-[48C]-48C	B48 SCC Only	
5CC#169	[2A]-[48C]-[48C]	B48 SCC Only	

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation with 4x4 MIMO (Continued)

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#244	[2A]-48A-48A-66A	B48 SCC Only	
4CC#245	[2A]-48A-48A-[66A]	B48 SCC Only	
4CC#246	[2A]-[48A]-48A-66A	B48 SCC Only	
4CC#247	[2A]-[48A]-48A-[66A]	B48 SCC Only	
4CC#248	[2A]-[48A]-[48A]-66A	B48 SCC Only	
4CC#249	[2A]-[48A]-[48A]-[66A]	B48 SCC Only	
4CC#250	2A-48A-[48C]	B48 SCC Only	5CC#151
4CC#251	2A-[48A]-48C	B48 SCC Only	5CC#153
4CC#252	2A-[48A]-[48C]	B48 SCC Only	5CC#155
4CC#253	[2A]-48A-48C	B48 SCC Only	5CC#157
4CC#254	[2A]-48A-[48C]	B48 SCC Only	5CC#159
4CC#255	[2A]-[48A]-48C	B48 SCC Only	5CC#161
4CC#256	[2A]-[48A]-[48C]	B48 SCC Only	5CC#163
4CC#257	2A-48A-[66A]-66A	B48 SCC Only	5CC#103
4CC#258	2A-48A-[66A]-[66A]	B48 SCC Only	5CC#104
4CC#259	2A-[48A]-66A-66A	B48 SCC Only	5CC#105
4CC#260	2A-[48A]-[66A]-66A	B48 SCC Only	5CC#106
4CC#261	2A-[48A]-[66A]-[66A]	B48 SCC Only	5CC#107
4CC#262	[2A]-48A-66A-66A	B48 SCC Only	5CC#108
4CC#263	[2A]-48A-[66A]-66A	B48 SCC Only	5CC#109
4CC#264	[2A]-48A-[66A]-[66A]	B48 SCC Only	5CC#110
4CC#265	[2A]-[48A]-66A-66A	B48 SCC Only	5CC#111
4CC#266	[2A]-[48A]-[66A]-66A	B48 SCC Only	5CC#112
4CC#267	[2A]-[48A]-[66A]-[66A]	B48 SCC Only	5CC#113
4CC#268	2A-48C-[66A]	B48 SCC Only	5CC#114
4CC#269	2A-[48C]-66A	B48 SCC Only	5CC#115
4CC#270	2A-[48C]-[66A]	B48 SCC Only	5CC#116
4CC#271	[2A]-48C-66A	B48 SCC Only	5CC#117
4CC#272	[2A]-48C-[66A]	B48 SCC Only	5CC#118
4CC#273	[2A]-[48C]-66A	B48 SCC Only	5CC#119
4CC#274	[2A]-[48C]-[66A]	B48 SCC Only	5CC#120
4CC#275	2A-[48D]	B48 SCC Only	5CC#121
4CC#276	[2A]-48D	B48 SCC Only	5CC#122
4CC#277	[2A]-[48D]	B48 SCC Only	5CC#123
4CC#278	2C-[66A]-66A		
4CC#279	2C-[66A]-[66A]		
4CC#280	[2C]-66A-66A		
4CC#281	[2C]-[66A]-66A		
4CC#282	[2C]-[66A]-[66A]		
4CC#283	2A-[66C]-71A		
4CC#284	[2A]-66C-71A		
4CC#285	[2A]-[66C]-71A		
4CC#286	4A-[48D]	B48 SCC Only	
4CC#287	[4A]-48D	B48 SCC Only	
4CC#288	[4A]-[48D]	B48 SCC Only	
4CC#289	5A-48A-[66A]-66A	B48 SCC Only	5CC#103
4CC#290	5A-48A-[66A]-[66A]	B48 SCC Only	5CC#104
4CC#291	5A-[48A]-66A-66A	B48 SCC Only	5CC#105
4CC#292	5A-[48A]-[66A]-66A	B48 SCC Only	5CC#106
4CC#293	5A-[48A]-[66A]-[66A]	B48 SCC Only	5CC#107
4CC#294	5A-48C-[66A]	B48 SCC Only	5CC#114

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#170	2A-48C-[66A]-66A	B48 SCC Only	6CC#1
5CC#171	2A-48C-[66A]-[66A]	B48 SCC Only	6CC#2
5CC#172	2A-[48C]-66A-66A	B48 SCC Only	6CC#3
5CC#173	2A-[48C]-[66A]-66A	B48 SCC Only	6CC#4
5CC#174	2A-[48C]-[66A]-[66A]	B48 SCC Only	6CC#5
5CC#175	[2A]-48C-66A-66A	B48 SCC Only	6CC#6
5CC#176	[2A]-48C-[66A]-66A	B48 SCC Only	6CC#7
5CC#177	[2A]-48C-[66A]-[66A]	B48 SCC Only	6CC#8
5CC#178	[2A]-[48C]-66A-66A	B48 SCC Only	6CC#9
5CC#179	[2A]-[48C]-[66A]-66A	B48 SCC Only	6CC#10
5CC#180	[2A]-[48C]-[66A]-[66A]	B48 SCC Only	
5CC#181	2A-48D-[66A]	B48 SCC Only	
5CC#182	2A-[48D]-66A	B48 SCC Only	
5CC#183	2A-[48D]-[66A]	B48 SCC Only	
5CC#184	[2A]-48D-66A	B48 SCC Only	
5CC#185	[2A]-48D-[66A]	B48 SCC Only	
5CC#186	[2A]-[48D]-66A	B48 SCC Only	
5CC#187	[2A]-[48D]-[66A]	B48 SCC Only	
5CC#188	2A-[48E]	B48 SCC Only	6CC#12
5CC#189	[2A]-48E	B48 SCC Only	6CC#13
5CC#190	[2A]-[48E]	B48 SCC Only	
5CC#191	4A-[48E]		
5CC#192	[4A]-48E		
5CC#193	[4A]-[48E]		
5CC#194	5A-48C-[66A]-66A	B48 SCC Only	6CC#1
5CC#195	5A-48C-[66A]-[66A]	B48 SCC Only	6CC#2
5CC#196	5A-[48C]-66A-66A	B48 SCC Only	6CC#3
5CC#197	5A-[48C]-[66A]-66A	B48 SCC Only	6CC#4
5CC#198	5A-[48C]-[66A]-[66A]	B48 SCC Only	6CC#5
5CC#199	5A-48D-[66A]	B48 SCC Only	6CC#15
5CC#200	5A-[48D]-66A	B48 SCC Only	6CC#17
5CC#201	5A-[48D]-[66A]	B48 SCC Only	6CC#18
5CC#202	13A-48D-[66A]	B48 SCC Only	
5CC#203	13A-[48D]-66A	B48 SCC Only	
5CC#204	13A-[48D]-[66A]	B48 SCC Only	
5CC#205	13A-[48E]	B48 SCC Only	6CC#20
5CC#206	48C-48C-[66A]	B48 SCC Only	
5CC#207	[48C]-48C-66A	B48 SCC Only	
5CC#208	[48C]-48C-[66A]	B48 SCC Only	
5CC#209	[48C]-[48C]-66A	B48 SCC Only	
5CC#210	[48C]-[48C]-[66A]	B48 SCC Only	
5CC#211	48A-48D-[66A]	B48 SCC Only	
5CC#212	48A-[48D]-66A	B48 SCC Only	
5CC#213	48A-[48D]-[66A]	B48 SCC Only	
5CC#214	[48A]-48D-66A	B48 SCC Only	
5CC#215	[48A]-48D-[66A]	B48 SCC Only	
5CC#216	[48A]-[48D]-66A	B48 SCC Only	
5CC#217	[48A]-[48D]-[66A]	B48 SCC Only	
5CC#218	48A-[48E]		
5CC#219	[48A]-48E		
5CC#216	[48A]-[48D]-66A	B48 SCC Only	

Index	6CC	Restriction	Completely Covered by Measurement Superset
6CC#1	2A-5A-48C-[66A]-66A	B48 SCC Only	
6CC#2	2A-5A-48C-[66A]-[66A]	B48 SCC Only	
6CC#3	2A-5A-[48C]-66A-66A	B48 SCC Only	
6CC#4	2A-5A-[48C]-[66A]-66A	B48 SCC Only	
6CC#5	2A-5A-[48C]-[66A]-[66A]	B48 SCC Only	
6CC#6	[2A]-5A-48C-66A-66A	B48 SCC Only	
6CC#7	[2A]-5A-48C-[66A]-66A	B48 SCC Only	
6CC#8	[2A]-5A-48C-[66A]-[66A]	B48 SCC Only	
6CC#9	[2A]-5A-[48C]-66A-66A	B48 SCC Only	
6CC#10	[2A]-5A-[48C]-[66A]-66A	B48 SCC Only	
6CC#11	2A-48E-[66A]	B48 SCC Only	
6CC#12	2A-[48E]-66A	B48 SCC Only	
6CC#13	[2A]-48E-66A	B48 SCC Only	
6CC#14	[2A]-48E-[66A]	B48 SCC Only	
6CC#15	5A-48D-[66A]-66A	B48 SCC Only	
6CC#16	5A-48D-[66A]-[66A]	B48 SCC Only	
6CC#17	5A-[48D]-66A-66A	B48 SCC Only	
6CC#18	5A-[48D]-[66A]-66A	B48 SCC Only	
6CC#19	13A-48E-[66A]	B48 SCC Only	
6CC#20	13A-[48E]-66A	B48 SCC Only	

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

LTE Release 10 Carrier Aggregation with 4x4 MIMO (Continued)

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#295	5A-[48C]-66A	B48 SCC Only	5CC#115
4CC#296	5A-[48C]-[66A]	B48 SCC Only	5CC#116
4CC#297	5A-[48D]	B48 SCC Only	5CC#121
4CC#298	13A-48A-[66B]	B48 SCC Only	
4CC#299	13A-[48A]-66B	B48 SCC Only	
4CC#300	13A-[48A]-[66B]	B48 SCC Only	
4CC#301	13A-48A-[66C]	B48 SCC Only	
4CC#302	13A-[48A]-66C	B48 SCC Only	
4CC#303	13A-[48A]-[66C]	B48 SCC Only	
4CC#304	13A-48C-[66A]	B48 SCC Only	5CC#129
4CC#305	13A-[48C]-66A	B48 SCC Only	5CC#130
4CC#306	13A-[48C]-[66A]	B48 SCC Only	5CC#131
4CC#307	13A-[48D]	B48 SCC Only	5CC#136
4CC#308	14A-30A-[66A]-66A		5CC#139
4CC#309	14A-30A-[66A]-[66A]		5CC#140
4CC#310	14A-[30A]-66A-66A		5CC#141
4CC#311	14A-[30A]-[66A]-66A		5CC#142
4CC#312	14A-[30A]-[66A]-[66A]		5CC#143
4CC#313	25A-[41D]	B41 SCC Only	
4CC#314	[25A]-41D	B41 SCC Only	
4CC#315	[25A]-[41D]	B41 SCC Only	
4CC#316	29A-30A-[66A]-66A	B29 SCC Only	
4CC#317	29A-30A-[66A]-[66A]	B29 SCC Only	
4CC#318	29A-[30A]-66A-66A	B29 SCC Only	
4CC#319	29A-[30A]-[66A]-66A	B29 SCC Only	
4CC#320	29A-[30A]-[66A]-[66A]	B29 SCC Only	
4CC#321	48A-48A-[66A]-66A	B48 SCC Only	
4CC#322	48A-48A-[66A]-[66A]	B48 SCC Only	
4CC#323	[48A]-48A-66A-66A	B48 SCC Only	
4CC#324	[48A]-48A-[66A]-66A	B48 SCC Only	
4CC#325	[48A]-48A-[66A]-[66A]	B48 SCC Only	
4CC#326	[48A]-[48A]-66A-66A	B48 SCC Only	
4CC#327	[48A]-[48A]-[66A]-66A	B48 SCC Only	
4CC#328	[48A]-[48A]-[66A]-[66A]	B48 SCC Only	
4CC#329	48A-48C-[66A]	B48 SCC Only	5CC#150
4CC#330	48A-[48C]-66A	B48 SCC Only	5CC#151
4CC#331	48A-[48C]-[66A]	B48 SCC Only	5CC#152
4CC#332	[48A]-48C-66A	B48 SCC Only	5CC#153
4CC#333	[48A]-48C-[66A]	B48 SCC Only	5CC#154
4CC#334	[48A]-[48C]-66A	B48 SCC Only	5CC#155
4CC#335	[48A]-[48C]-[66A]	B48 SCC Only	5CC#156
4CC#336	48A-[48D]		
4CC#337	[48A]-48D		
4CC#338	[48A]-[48D]		
4CC#339	[48C]-48C		
4CC#340	[48C]-[48C]		
4CC#341	48C-[66A]-66A	B48 SCC Only	5CC#170
4CC#342	48C-[66A]-[66A]	B48 SCC Only	5CC#171
4CC#343	[48C]-66A-66A	B48 SCC Only	5CC#172
4CC#344	[48C]-[66A]-66A	B48 SCC Only	5CC#173
4CC#345	[48C]-[66A]-[66A]	B48 SCC Only	5CC#174
4CC#346	48C-[66B]	B48 SCC Only	
4CC#347	[48C]-66B	B48 SCC Only	
4CC#348	[48C]-[66B]	B48 SCC Only	
4CC#349	48C-[66C]	B48 SCC Only	
4CC#350	[48C]-66C	B48 SCC Only	
4CC#351	[48C]-[66C]	B48 SCC Only	
4CC#352	48D-[66A]	B48 SCC Only	5CC#181
4CC#353	[48D]-66A	B48 SCC Only	5CC#182
4CC#354	[48D]-[66A]	B48 SCC Only	5CC#183
4CC#355	[48E]		5CC#218

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#217	[48A]-[48D]-[66A]	B48 SCC Only	
5CC#218	48A-[48E]		
5CC#219	[48A]-48E		
5CC#220	[48A]-[48E]		
5CC#221	48C-[48D]		
5CC#222	[48C]-48D		
5CC#223	[48C]-[48D]		
5CC#224	48E-[66A]		6CC#11
5CC#225	[48E]-66A		6CC#12
5CC#226	[48E]-[66A]		

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).

Single Carrier Downlink 4x4 MIMO output power results

LTE Bands	Modulation	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	LTE Rel 8 Tx. Power [dBm]	DL 4x4 MIMO Tx. Power [dBm]	Delta
2	QPSK	20	18700	1860	1/49	24.12	24.11	-0.01
4	QPSK	20	20300	1745	1/49	23.91	23.88	-0.03
25	QPSK	20	26140	1860	1/0	24.07	24.01	-0.06
30	QPSK	10	27710	2310	1/25	23.01	22.97	-0.04
41	QPSK	20	41055	2636.5	1/0	24.38	24.33	-0.05
48	QPSK	20	56640	3690	1/0	23.16	23.11	-0.05
66	QPSK	20	132572	1770	1/0	24.02	24.01	-0.01

Note:

According to LTE Test Conditions in TCB workshop (May, 2017), SAR is excluded for LTE downlink 4x4 MIMO operation when uplink output with DL MIMO does not exceed highest uplink output power configuration without DL MIMO by more than 1/4 dB. And for DL MIMO with carrier aggregation, the same SAR test exclusion procedure is considered.

DL CA output power results

E-UTRA CA configuation (BCS)	Bands							UL							DL																								LTE Rel 8 Tx. Power	LTE Rel 10 Tx. Power	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	[dBm]	[dBm]	
4A-4A-13A	4A	4A	13A					4	QPSK	20	20050	1720	1	0	4	20	2050	2120	4	20	2300	2145	13	10	5230	751																	23.81	23.74	-0.07
	13A	4A	4A					13	QPSK	10	23230	782	1	25	13	10	5230	751	4	20	2050	2120	4	20	2300	2145																	24.87	24.78	-0.09
4A-4A-71A	4A	4A	71A					4	QPSK	20	20050	1720	1	0	4	20	2050	2120	4	20	2300	2145	71	20	68761	634.5																	23.81	23.81	0
	71A	4A	4A					71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	4	20	2050	2120	4	20	2300	2145																	24.25	24.1	-0.15
2A-2A-4A-4A	2A	2A	4A	4A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	4	20	2050	2120	4	20	2300	2145													24.12	24.04	-0.08
	4A	4A	2A	2A				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	4	20	2300	2145	2	20	700	1940	2	20	1100	1980													23.81	23.69	-0.12
2A-2A-4A-5A	2A	2A	4A	5A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5													24.12	23.99	-0.13
	4A	5A	2A	2A				4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	5	10	2525	881.5	2	20	700	1940	2	20	1100	1980													23.79	23.73	-0.06
	5A	2A	2A	4A				5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	2	20	700	1940	2	20	1100	1980	4	20	2175	2132.5													24.56	24.5	-0.06
2A-2A-4A-12A	2A	2A	4A	12A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5													24.12	24.05	-0.07
	4A	12A	2A	2A				4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	12	10	5095	737.5	2	20	700	1940	2	20	1100	1980													23.79	23.77	-0.02
	12A	2A	2A	4A				12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	700	1940	2	20	1100	1980	4	20	2175	2132.5													24.2	24.15	-0.05
2A-2A-4A-71A	2A	2A	4A	71A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	4	20	2175	2132.5	71	20	68761	634.5													24.12	23.97	-0.15
	4A	71A	2A	2A				4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	71	20	68761	634.5	2	20	700	1940	2	20	1100	1980													23.79	23.64	-0.15
	71A	2A	2A	4A				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	2	20	700	1940	2	20	1100	1980	4	20	2175	2132.5													24.25	24.12	-0.13
2A-4A-4A-5A	2A	4A	4A	5A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	4	20	2050	2120	4	20	2300	2145	5	10	2525	881.5													24.12	23.98	-0.14
	4A	4A	5A	2A				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	4	20	2300	2145	5	10	2525	881.5	2	20	700	1940													23.81	23.78	-0.03
	5A	2A	4A	4A				5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	2	20	700	1940	4	20	2050	2120	4	20	2300	2145													24.56	24.47	-0.09
2A-4A-4A-12A	2A	4A	4A	12A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	4	20	2050	2120	4	20	2300	2145	12	10	5095	737.5													24.12	24.09	-0.03
	4A	4A	12A	2A				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	4	20	2300	2145	12	10	5095	737.5	2	20	700	1940													23.81	23.75	-0.06
	12A	2A	4A	4A				12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	700	1940	4	20	2050	2120	4	20	2300	2145													24.2	24.16	-0.04
2A-4A-12B	2A	4A	12B	12B				2	QPSK	20	18700	1860	1	49	2	20	700	1940	4	20	2175	2132.5	12	5	5095	737.5	12	5	5143	742.3													24.12	24.04	-0.08
	4A	12B	12B	2A				4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	12	5	5095	737.5	12	5	5143	742.3	2	20	700	1940													23.79	23.77	-0.02
	12B	12B	2A	4A				12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	2	20	700	1940	4	20	2175	2132.5													24.29	24.26	-0.03
2A-12A-66C	2A	12A	66C	66C				2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	66	20	67036	2170	66	20	66838	2150.2													24.12	24	-0.12
	12A	66C	66C	2A				12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	67036	2170	66	20	66838	2150.2	2	20	700	1940													24.2	24.16	-0.04
	66C	66C	2A	12A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	2	20	700	1940	12	10	5095	737.5													24.02	23.97	-0.05
2A-66A-66A-71A	2A	66A	66A	71A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	66	20	67036	2170	66	20	66536	2120	71	20	68761	634.5													24.12	23.99	-0.13
	66A	66A	71A	2A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	71	20	68761	634.5	2	20	700	1940													24.02	23.89	-0.13
	71A	2A	66A	66A				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	2	20	700	1940	66	20	67036	2170	66	20	66536	2120													24.25	24.16	-0.09
4A-4A-12B	4A	4A	12B	12B				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	4	20	2300	2145	12	5	5095	737.5	12	5	5143	742.3													23.81	23.77	-0.04
	12B	12B	4A	4A				12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	4	20	2050	2120	4	20	2300	2145													24.29	24.25	-0.04
2A-2A-5A-66A-66A	2A	2A	5A	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	66	20	67036	2170	66	20	66536	2120									24.12	24.01	-0.11
	5A	66A	66A	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980							24.56	24.42	-0.14
	66A	66A	2A	2A	5A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5							24.02	23.88	-0.14
2A-2A-5A-66C	2A	2A	5A	66C	66C			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	66	20	67036	2170	66	20	66838	2150.2							24.12	23.98	-0.14
	5A	66C	66C	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	66	20	67036	2170	66	20	66838	2150.2	2	20	700	1940	2	20	1100	1980							24.56	24.44	-0.12
	66C	66C	2A	2A	5A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5							24.02	23.98	-0.04
2A-2A-12A-66A-66A	2A	2A	12A	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	66	20	67036	2170	66	20	66536	2120							24.12	24.1	-0.02
	12A	66A	66A	2A	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980							24.2	24.1	-0.1
	66A	66A	2A	2A	12A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5							24.02	23.94	-0.08
2A-2A-12B-66A	2A	2A	12B	12B	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3	66	20	67036	2170							24.12	24.06	-0.06
	12B	12B	66A	2A	2A			12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	66	20	67036	2170	2	20	700	1940	2	20	1100	1980							24.29	24.2	-0.09
	66A	2A	2A	12B	12B			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3							24.02	23.89	-0.13
2A-5A-30A-66A-66A	2A	5A	30A	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120							24.12	23.98	-0.14
	5A	30A	66A	66A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	2	20	700	1940							24.56	24.48	-0.08
	30A	66A	66A	2A	5A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	5	10	2525	881.5							23.01	22.99	-0.02
	66A	66A	2A	5A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	5	10	2525	881.5	30	10	9820	2355							24.02	23.96	-0.06
2A-12A-30A-66A-66A	2A	12A	30A	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120							24.12	24.09	-0.03
	12A	30A	66A	66A	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	2	20	700	1940							24.2	24.14	-0.06
	30A	66A	66A	2A	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	12	10	5095	737.5							23.01	22.9	-0.11
	66A	66A	2A	12A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	12	10	5095	737.5	30	10	9820	2355							24.02	23.87	-0.15
25A-25A	25A	25A						25	QPSK	20	26140	1860	1	0	25	20	8140	1940	25	20	8590	1985																			24.07	23.97	-0.1
2A-2A-66A-71A	2A	2A	66A	71A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	66	20	67036	2170	71	20	68761	634.5													24.12	24.06	-0.06
	66A	71A	2A	2A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	71	20	68761	634.5	2	20	700	1940	2	20	1100	1980													24.02	24.02	0
	71A	2A	2A	66A				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	2	20	700	1940	2	20	1100	1980	66	20	67036	2170													24.25	24.21	-0.04

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA output power results (Continued)

E-UTRA CA configuation (BCS)	Bands							UL							DL																								LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
4A-48A	4A	48A						4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	48	20	56640	3690																					23.79	23.66	-0.13
5A-25A	5A	25A						5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	25	20	8140	1940																					24.56	24.56	0
	25A	5A						25	QPSK	20	26140	1860	1	0	25	20	8140	1940	5	10	2525	881.5																					24.07	24.04	-0.03
5A-41A	5A	41A						5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	41	20	41055	2636.5																					24.56	24.5	-0.06
12A-25A	12A	25A						12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	25	20	8140	1940																					24.2	24.13	-0.07
	25A	12A						25	QPSK	20	26140	1860	1	0	25	20	8140	1940	12	10	5095	737.5																					24.07	24.07	0
25A-41A	25A	41A						25	QPSK	20	26140	1860	1	0	25	20	8140	1940	41	20	41055	2636.5																					24.07	24.02	-0.05
41A-41A	41A	41A						41	QPSK	20	41055	2636.5	1	0	41	20	41055	2636.5	41	20	40185	2549.5																					24.38	24.28	-0.1
48A-48A	48A	48A						48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	55773	3603.3																					23.16	23.01	-0.15
48B	48B	48B						48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2																					23.16	23.12	-0.04
2A-4A-13A	2A	4A	13A					2	QPSK	20	18700	1860	1	49	2	20	700	1940	4	20	2175	2132.5	13	10	5230	751																	24.12	24	-0.12
	4A	13A	2A					4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	13	10	5230	751	2	20	700	1940																	23.79	23.79	0
	13A	2A	4A					13	QPSK	10	23230	782	1	25	13	10	5230	751	2	20	700	1940	4	20	2175	2132.5																	24.87	24.85	-0.02
4A-48C	4A	48C	48C					4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2																	23.79	23.66	-0.13
13A-48B	13A	48B	48B					13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2																	24.87	24.84	-0.03
25A-41C	25A	41C	41C					25	QPSK	20	26140	1860	1	0	25	20	8140	1940	41	20	41055	2636.5	41	20	40857	2616.7																	24.07	24.06	-0.01
41A-41C	41A	41C	41C					41	QPSK	20	41055	2636.5	1	0	41	20	41055	2636.5	41	20	40185	2549.5	41	20	40383	2569.3																	24.38	24.32	-0.06
	41C	41C	41A					41	QPSK	20	41055	2636.5	1	0	41	20	41055	2636.5	41	20	40857	2616.7	41	20	40185	2549.5																	24.38	24.24	-0.14
41D	41D	41D	41D					41	QPSK	20	41055	2636.5	1	0	41	20	41055	2636.5	41	20	40857	2616.7	41	20	40659	2596.9																	24.38	24.3	-0.08
48A-48A-71A	71A	48A	48A					71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	48	20	56640	3690	48	20	55773	3603.3																	24.25	24.15	-0.1
48A-48C	48A	48C	48C					48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	55773	3603.3	48	20	55971	3623.1																	23.16	23.06	-0.1
	48C	48C	48A					48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	48	20	55773	3603.3																	23.16	23.03	-0.13
48B-66A	66A	48B	48B					66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2																	24.02	23.92	-0.1
48C-71A	71A	48C	48C					71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	48	20	56640	3690	48	20	56442	3670.2																	24.25	24.12	-0.13
2A-13A-48A-66A	2A	13A	48A	66A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	48	20	56640	3690	66	20	67036	2170													24.12	23.97	-0.15
	13A	48A	66A	2A				13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	66	20	67036	2170	2	20	700	1940													24.87	24.85	-0.02
	66A	48A	2A	13A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	2	20	700	1940	13	10	5230	751													24.02	23.88	-0.14
2A-13A-66B	2A	13A	66B	66B				2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	66	15	67061	2172.5	66	5	66968	2163.2													24.12	24.1	-0.02
2A-13A-66B	13A	66B	66B	2A				13	QPSK	10	23230	782	1	25	13	10	5230	751	66	15	67061	2172.5	66	5	66968	2163.2	2	20	700	1940													24.87	24.87	0
	66B	66B	2A	13A				66	QPSK	15	132597	1772.5	1	0	66	15	67061	2172.5	66	5	66968	2163.2	2	20	700	1940	13	10	5230	751													23.9	23.9	0
2A-13A-66C	2A	13A	66C	66C				2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	66	20	67036	2170	66	20	66838	2150.2													24.12	23.99	-0.13
	13A	66C	66C	2A				13	QPSK	10	23230	782	1	25	13	10	5230	751	66	20	67036	2170	66	20	66838	2150.2	2	20	700	1940													24.87	24.83	-0.04
	66C	66C	2A	13A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	2	20	700	1940	13	10	5230	751													24.02	23.88	-0.14
2A-48A-48A-66A	2A	48A	48A	66A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	48	20	55773	3603.3	66	20	67036	2170													24.12	24.12	0
	66A	48A	48A	2A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	55773	3603.3	2	20	700	1940													24.02	24.02	0
2C-66A-66A	2C	2C	66A	66A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	898	1959.8	66	20	67036	2170	66	20	66536	2120													24.12	24.06	-0.06
	66A	66A	2C	2C				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	898	1959.8													24.02	23.93	-0.09
2A-66C-71A	2A	66C	66C	71A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	66	20	67036	2170	66	20	66838	2150.2	71	20	68761	634.5													24.12	24.02	-0.1
	66C	66C	71A	2A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	71	20	68761	634.5	2	20	700	1940													24.02	23.87	-0.15
	71A	2A	66C	66C				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	2	20	700	1940	66	20	67036	2170	66	20	66838	2150.2													24.25	24.25	0
4A-48D	4A	48D	48D	48D				4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4													23.79	23.65	-0.14
13A-48A-66B	13A	48A	66B	66B				13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	66	15	67061	2172.5	66	5	66968	2163.2													24.87	24.85	-0.02
	66B	66B	48A	13A				66	QPSK	15	132597	1772.5	1	0	66	15	67061	2172.5	66	5	66968	2163.2	48	20	56640	3690	13	10	5230	751													23.9	23.81	-0.09
13A-48A-66C	13A	48A	66C	66C				13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	66	20	67036	2170	66	20	66838	2150.2													24.87	24.86	-0.01
	66C	66C	48A	13A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	48	20	56640	3690	13	10	5230	751													24.02	23.94	-0.08
25A-41D	25A	41D	41D	41D				25	QPSK	20	26140	1860	1	0	25	20	8140	1940	41	20	41055	2636.5	41	20	40857	2616.7	41	20	40659	2596.9													24.07	23.94	-0.13
29A-30A-66A-66A	30A	29A	66A	66A				30	QPSK	10	27710	2310	1	25	30	10	9820	2355	29	10	9715	722.5	66	20	67036	2170	66	20	66536	2120													23.01	22.88	-0.13
	66A	66A	29A	30A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	29	10	9715	722.5	30	10	9820	2355													24.02	23.93	-0.09
48A-48A-66A-66A	66A	66A	48A	48A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	48	20	56640	3690	48	20	55773	3603.3													24.02	23.88	-0.14
48A-48D	48A	48D	48D	48D				48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6													23.16	23.07	-0.09
48A-48D	48D	48D	48D	48A				48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	55340	3560													23.16	23.02	-0.14
48C-48C	48C	48C	48C	48C				48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8													23.16	23.05	-0.11
48C-66B	66B	66B	48C	48C				66	QPSK	15	132597	1772.5	1	0	66	15	67061	2172.5	66	5	66968	2163.2	48	20	56640	3690	48	20	56442	3670.2													23.9	23.81	-0.09
48C-66C	66C	66C	48C	48C				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	48	20	56640	3690	48	20	56442	3670.2													24.02	24.01	-0.01
2A-2A-5A-30A-66A	2A	2A	5A	30A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	67036	2170									24.12	23.98	-0.14
	5A	30A	66A	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	30	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980									24.56	24.52	-0.04
	30A	66A	2A	2A	5A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5									23.01	22.91	-0.1
	66A	2A	2A	5A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355									24.02	24.02	0

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA output power results (Continued)

E-UTRA CA configuration (BCs)	Bands							UL							DL																								LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
2A-2A-5A-66B	2A	2A	5A	66B	66B			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	66	15	67061	2172.5	66	5	66968	2163.2											24.12	24	-0.12
	5A	66B	66B	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	66	15	67061	2172.5	66	5	66968	2163.2	2	20	700	1940	2	20	1100	1980											24.56	24.48	-0.08
	66B	66B	2A	2A	5A			66	QPSK	15	132597	1772.5	1	0	66	15	67061	2172.5	66	5	66968	2163.2	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5											23.9	23.75	-0.15
2A-2A-12A-30A-66A	2A	2A	12A	30A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170											24.12	23.98	-0.14
	12A	30A	66A	2A	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980											24.2	24.14	-0.06
	30A	66A	2A	2A	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5											23.01	22.91	-0.1
	66A	2A	2A	12A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355											24.02	24.02	0
2A-2A-13A-66A-66A	2A	2A	13A	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	13	10	5230	751	66	20	67036	2170	66	20	66536	2120											24.12	24	-0.12
	13A	66A	66A	2A	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980											24.87	24.83	-0.04
	66A	66A	2A	2A	13A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980	13	10	5230	751											24.02	23.93	-0.09
2A-2A-14A-30A-66A	2A	2A	14A	30A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	66	20	67036	2170											24.12	24.08	-0.04
	14A	30A	66A	2A	2A			14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980											24.74	24.63	-0.11
	30A	66A	2A	2A	14A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	14	10	5330	763											23.01	23.01	0
	66A	2A	2A	14A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	14	10	5330	763	30	10	9820	2355											24.02	23.98	-0.04
2A-2A-14A-66A-66A	2A	2A	14A	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	14	10	5330	763	66	20	67036	2170	66	20	66536	2120											24.12	24.04	-0.08
	14A	66A	66A	2A	2A			14	QPSK	10	23330	793	1	0	14	10	5330	763	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980											24.74	24.74	0
	66A	66A	2A	2A	14A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980	14	10	5330	763											24.02	23.88	-0.14
2A-2A-29A-30A-66A	2A	2A	29A	30A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	29	10	9715	722.5	30	10	9820	2355	66	20	67036	2170											24.12	24.07	-0.05
	30A	29A	66A	2A	2A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	29	10	9715	722.5	66	20	67036	2170	2	20	700	1940	2	20	1100	1980											23.01	22.88	-0.13
	66A	29A	2A	2A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	29	10	9715	722.5	2	20	700	1940	2	20	1100	1980	30	10	9820	2355											24.02	23.97	-0.05
2A-2A-29A-66A-66A	2A	2A	29A	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	29	10	9715	722.5	66	20	67036	2170	66	20	66536	2120											24.12	23.97	-0.15
	66A	66A	29A	2A	2A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	29	10	9715	722.5	2	20	700	1940	2	20	1100	1980											24.02	23.9	-0.12
2A-5A-48A-66A-66A	2A	5A	48A	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	48	20	56640	3690	66	20	67036	2170	66	20	66536	2120											24.12	24.08	-0.04
	5A	48A	66A	66A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	66	20	67036	2170	66	20	66536	2120	2	20	700	1940											24.56	24.5	-0.06
	66A	66A	48A	2A	5A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	48	20	56640	3690	2	20	700	1940	5	10	2525	881.5											24.02	23.89	-0.13
2A-5A-48D	2A	5A	48D	48D	48D			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4											24.12	24.02	-0.1
	5A	48D	48D	48D	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	2	20	700	1940											24.56	24.45	-0.11
2A-12B-66A-66A	2A	12B	12B	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	5	5095	737.5	12	5	5143	742.3	66	20	67036	2170	66	20	66536	2120											24.12	24.04	-0.08
	12B	12B	66A	66A	2A			12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	66	20	67036	2170	66	20	66536	2120	2	20	700	1940											24.29	24.27	-0.02
	66A	66A	2A	12B	12B			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	12	5	5095	737.5	12	5	5143	742.3											24.02	23.96	-0.06
2A-13A-48C-66A	2A	13A	48C	48C	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	66	20	67036	2170											24.12	24.04	-0.08
	13A	48C	48C	66A	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	66	20	67036	2170	2	20	700	1940											24.87	24.79	-0.08
	66A	48C	48C	2A	13A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	2	20	700	1940	13	10	5230	751											24.02	23.97	-0.05
2A-13A-48D	2A	13A	48D	48D	48D			2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4											24.12	24.04	-0.08
	13A	48D	48D	48D	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	2	20	700	1940											24.87	24.77	-0.1
2A-14A-30A-66A-66A	2A	14A	30A	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	14	10	5330	763	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120											24.12	24.03	-0.09
	14A	30A	66A	66A	2A			14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	2	20	700	1940											24.74	24.74	0
	30A	66A	66A	2A	14A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	14	10	5330	763											23.01	22.95	-0.06
	66A	66A	2A	14A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	14	10	5330	763	30	10	9820	2355											24.02	23.93	-0.09
2A-48A-48C-66A	2A	48A	48C	48C	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	66	20	67036	2170											24.12	23.98	-0.14
	66A	48A	48C	48C	2A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	2	20	700	1940											24.02	23.89	-0.13
2A-48C-48C	2A	48C	48C	48C	48C			2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8											24.12	24.09	-0.03
2A-48D-66A	2A	48D	48D	48D	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	66	20	67036	2170											24.12	24.08	-0.04
	66A	48D	48D	48D	2A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	2	20	700	1940											24.02	23.88	-0.14
4A-48E	4A	48E	48E	48E	48E			4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6											23.79	23.74	-0.05
13A-48D-66A	13A	48D	48D	48D	66A			13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	66	20	67036	2170											24.87	24.72	-0.15
	66A	48D	48D	48D	13A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	13	10	5230	751											24.02	23.93	-0.09
48C-48C-66A	66A	48C	48C	48C	48C			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8											24.02	23.93	-0.09
48A-48D-66A	66A	48A	48D	48D	48D			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6											24.02	23.89	-0.13
48A-48E	48A	48E	48E	48E	48E			48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6	48	20	55934	3619.4											23.16	23.14	-0.02
	48E	48E	48E	48E	48A			48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	48	20	55340	3560											23.16	23.13	-0.03
48C-48D	48C	48C	48D	48D	48D			48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6											23.16	23.14	-0.02
	48D	48D	48D	48C	48C			48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6											23.16	23.13	-0.03
2A-5A-48C-66A-66A	2A	5A	48C	48C	66A	66A		2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	66	20	67036	2170	66	20	66536	2120					24.12	23.98	-0.14
	5A	48C	48C	66A	66A	2A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	66	20	67036	2170	66	20	66536	2120	2	20	700	1940			24.56	24.45	-0.11
	66A	66A	48C	48C	2A	5A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	48	20	56640	3690	48	20	56442	3670.2	2	20	700	1940	5	10	2525	881.5			24.02	23.88	-0.14
2A-48E-66A	2A	48E	48E	48E	48E	66A		2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	66	20	67036	2170			24.12	23.99	-0.13
	66A	48E	48E	48E	48E	2A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	2	20	700	1940			24.02	23.95	-0.07
5A-48D-66A-66A	5A	48D	48D	48D	66A	66A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	66	20	67036	2170	66	20	66536	2120			24.56	24.43	-0.13
	66A	66A	48D	48D	48D	5A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	5	10	2525	881.5			24.02	23.92	-0.1
13A-48E-66A	13A	48E	48E	48E	48E	66A		13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	66	20	67036	2170			24.87	24.82	-0.05
	66A	48E	48E	48E	48E	13A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	13	10	5230	751			24.02	23.95	-0.07

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations. .

DL CA with 4x4 MIMO output power results

E-UTRA CA configutation (BCS)	Bands							UL							DL																												LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
[4A]-4A-13A	[4A]	4A	13A					[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	4	20	2300	2145	13	10	5230	751																	23.81	23.71	-0.1
	4A	13A	[4A]					4	QPSK	20	20050	1720	1	0	4	20	2050	2120	13	10	5230	751	[4]	20	2300	2145																	23.81	23.73	-0.08
	13A	[4A]	4A					13	QPSK	10	23230	782	1	25	13	10	5230	751	[4]	20	2050	2120	4	20	2300	2145																	24.87	24.8	-0.07
[4A]-[4A]-13A	[4A]	[4A]	13A					[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	[4]	20	2300	2145	13	10	5230	751																	23.81	23.7	-0.11
	13A	[4A]	[4A]					13	QPSK	10	23230	782	1	25	13	10	5230	751	[4]	20	2050	2120	[4]	20	2300	2145																	24.87	24.8	-0.07
[4A]-4A-71A	[4A]	4A	71A					[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	4	20	2300	2145	71	20	68761	634.5																	23.81	23.77	-0.04
	4A	71A	[4A]					4	QPSK	20	20050	1720	1	0	4	20	2050	2120	71	20	68761	634.5	[4]	20	2300	2145																	23.81	23.81	0
	71A	[4A]	4A					71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[4]	20	2050	2120	4	20	2300	2145																	24.25	24.13	-0.12
[4A]-[4A]-71A	[4A]	[4A]	71A					[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	[4]	20	2300	2145	71	20	68761	634.5																	23.81	23.73	-0.08
	71A	[4A]	[4A]					71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[4]	20	2050	2120	[4]	20	2300	2145																	24.25	24.19	-0.06
2A-2A-[4A]-4A	2A	2A	[4A]	4A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	[4]	20	2050	2120	4	20	2300	2145													24.12	24.02	-0.1
	[4A]	4A	2A	2A				[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	4	20	2300	2145	2	20	700	1940	2	20	1100	1980													23.81	23.66	-0.15
	4A	2A	2A	[4A]				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	2	20	700	1940	2	20	1100	1980	[4]	20	2300	2145													23.81	23.71	-0.1
2A-2A-[4A]-[4A]	2A	2A	[4A]	[4A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	[4]	20	2050	2120	[4]	20	2300	2145													24.12	24.09	-0.03
	[4A]	[4A]	2A	2A				[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	[4]	20	2300	2145	2	20	700	1940	2	20	1100	1980													23.81	23.81	0
[2A]-2A-4A-4A	[2A]	2A	4A	4A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	4	20	2050	2120	4	20	2300	2145													24.12	24.11	-0.01
	2A	4A	4A	[2A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	4	20	2050	2120	4	20	2300	2145	[2]	20	1100	1980													24.12	24.12	0
	4A	4A	[2A]	2A				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	4	20	2300	2145	[2]	20	700	1940	2	20	1100	1980													23.81	23.67	-0.14
[2A]-2A-[4A]-4A	[2A]	2A	[4A]	4A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	[4]	20	2050	2120	4	20	2300	2145													24.12	24.09	-0.03
	2A	[4A]	4A	[2A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[4]	20	2050	2120	4	20	2300	2145	[2]	20	1100	1980													24.12	23.98	-0.14
	[4A]	4A	[2A]	2A				[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	4	20	2300	2145	[2]	20	700	1940	2	20	1100	1980													23.81	23.68	-0.13
	4A	[2A]	2A	[4A]				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	[2]	20	700	1940	2	20	1100	1980	[4]	20	2300	2145													23.81	23.73	-0.08
[2A]-2A-[4A]-[4A]	[2A]	2A	[4A]	[4A]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	[4]	20	2050	2120	[4]	20	2300	2145													24.12	24.01	-0.11
	2A	[4A]	[4A]	[2A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[4]	20	2050	2120	[4]	20	2300	2145	[2]	20	1100	1980													24.12	24.09	-0.03
	[4A]	[4A]	[2A]	2A				[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	[4]	20	2300	2145	[2]	20	700	1940	2	20	1100	1980													23.81	23.79	-0.02
[2A]-[2A]-4A-4A	[2A]	[2A]	4A	4A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	4	20	2050	2120	4	20	2300	2145													24.12	24.1	-0.02
	4A	4A	[2A]	[2A]				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	4	20	2300	2145	[2]	20	700	1940	[2]	20	1100	1980													23.81	23.74	-0.07
[2A]-[2A]-[4A]-4A	[2A]	[2A]	[4A]	4A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	[4]	20	2050	2120	4	20	2300	2145													24.12	24.06	-0.06
	[4A]	4A	[2A]	[2A]				[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	4	20	2300	2145	[2]	20	700	1940	[2]	20	1100	1980													23.81	23.67	-0.14
	4A	[2A]	[2A]	[4A]				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	[2]	20	700	1940	[2]	20	1100	1980	[4]	20	2300	2145													23.81	23.68	-0.13
[2A]-[2A]-[4A]-[4A]	[2A]	[2A]	[4A]	[4A]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	[4]	20	2050	2120	[4]	20	2300	2145													24.12	23.97	-0.15
	[4A]	[4A]	[2A]	[2A]				[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	[4]	20	2300	2145	[2]	20	700	1940	[2]	20	1100	1980													23.81	23.8	-0.01
2A-2A-[4A]-5A	2A	2A	[4A]	5A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	[4]	20	2175	2132.5	5	10	2525	881.5													24.12	24.08	-0.04
	[4A]	5A	2A	2A				[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	5	10	2525	881.5	2	20	700	1940	2	20	1100	1980													23.79	23.77	-0.02
	5A	2A	2A	[4A]				5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	2	20	700	1940	2	20	1100	1980	[4]	20	2175	2132.5													24.56	24.47	-0.09
[2A]-2A-4A-5A	[2A]	2A	4A	5A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5													24.12	24.05	-0.07
	2A	4A	5A	[2A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	4	20	2175	2132.5	5	10	2525	881.5	[2]	20	1100	1980													24.12	24.12	0
	4A	5A	[2A]	2A				4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	5	10	2525	881.5	[2]	20	700	1940	2	20	1100	1980													23.79	23.7	-0.09
	5A	[2A]	2A	4A				5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[2]	20	700	1940	2	20	1100	1980	4	20	2175	2132.5													24.56	24.46	-0.1
[2A]-2A-[4A]-5A	[2A]	2A	[4A]	5A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	[4]	20	2175	2132.5	5	10	2525	881.5													24.12	23.99	-0.13
	2A	[4A]	5A	[2A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[4]	20	2175	2132.5	5	10	2525	881.5	[2]	20	1100	1980													24.12	24.01	-0.11
	[4A]	5A	[2A]	2A				[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	5	10	2525	881.5	[2]	20	700	1940	2	20	1100	1980													23.79	23.74	-0.05
	5A	[2A]	2A	[4A]				5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[2]	20	700	1940	2	20	1100	1980	[4]	20	2175	2132.5													24.56	24.5	-0.06
[2A]-[2A]-4A-5A	[2A]	[2A]	4A	5A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5													24.12	24.01	-0.11
	4A	5A	[2A]	[2A]				4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	5	10	2525	881.5	[2]	20	700	1940	[2]	20	1100	1980													23.79	23.72	-0.07
	5A	[2A]	[2A]	4A				5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[2]	20	700	1940	[2]	20	1100	1980	4	20	2175	2132.5													24.56	24.53	-0.03
[2A]-[2A]-[4A]-5A	[2A]	[2A]	[4A]	5A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	[4]	20	2175	2132.5	5	10	2525	881.5													24.12	24.08	-0.04
	[4A]	5A	[2A]	[2A]				[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	5	10	2525	881.5	[2]	20	700	1940	[2]	20	1100	1980													23.79	23.75	-0.04
	5A	[2A]	[2A]	[4A]				5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[2]	20	700	1940	[2]	20	1100	1980	[4]	20	2175	2132.5													24.56	24.43	-0.13
2A-2A-[4A]-12A	2A	2A	[4A]	12A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	[4]	20	2175	2132.5	12	10	5095	737.5													24.12	23.97	-0.15
	[4A]	12A	2A	2A				[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	12	10	5095	737.5	2	20	700	1940	2	20	1100	1980													23.79	23.75	-0.04
	12A	2A	2A	[4A]				12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	700	1940	2	20	1100	1980	[4]	20	2175	2132.5													24.2	24.05	-0.15
[2A]-2A-4A-12A	[2A]	2A	4A	12A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5													24.12	24.03	-0.09
	2A	4A	12A	[2A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	4	20	2175	2132.5	12	10	5095	737.5	[2]	20	1100	1980													24.12	24.11	-0.01
	4A	12A	[2A]	2A				4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	12	10	5095	737.5	[2]	20	700	1940	2	20	1100	1980													23.79	23.67	-0.12
	12A	[2A]	2A	4A				12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	700	1940	2	20	1100	1980	4	20	2175	2132.5													24.2	24.09	-0.11
[2A]-2A-[4A]-12A	[2A]	2A	[4A]	12A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	[4]	20	2175	2132.5	12	10	5095	737.5													24.12	24.1	-0.02
	2A	[4A]	12A	[2A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[4]	20	2175	2132.5	12	10	5095	737.5	[2]	20	1100	1980													24.12	24.07	-0.05
	[4A]	12A	[2A]	2A				[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	12	10	5095	737.5	[2]	20	700	1940	2	20	1100	1980													23.79	23.72	-0.07
	12A	[2A]	2A	[4A]				12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	700	1940	2	20	1100	1980	[4]	20	2175	2132.5													24.2	24.19	-0.01

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

| E-UTRA CA configuation (BCS) | Bands | | | | | | | UL | | | | | | | DL | | | | | | |

DL CA with 4x4 MIMO output power results (Continued)

| E-UTRA CA configuation (BCS) | Bands | | | | | | | UL | | | | | | | DL | | | | | | |

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configuration (BCS)	Bands							UL							DL																								LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
2A-12A-[66C]	2A	12A	[66C]	[66C]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66838	2150.2															24.12	24.08	-0.04
	12A	[66C]	[66C]	2A				12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66838	2150.2	2	20	700	1940													24.2	24.11	-0.09
	[66C]	[66C]	2A	12A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	2	20	700	1940	12	10	5095	737.5													24.02	23.87	-0.15
[2A]-12A-66C	[2A]	12A	66C	66C				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	12	10	5095	737.5	66	20	67036	2170	66	20	66838	2150.2													24.12	24.09	-0.03
	12A	66C	66C	[2A]				12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	67036	2170	66	20	66838	2150.2	[2]	20	700	1940													24.2	24.14	-0.06
	66C	66C	[2A]	12A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	[2]	20	700	1940	12	10	5095	737.5													24.02	23.97	-0.05
[2A]-12A-[66C]	[2A]	12A	[66C]	[66C]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66838	2150.2													24.12	23.98	-0.14
	12A	[66C]	[66C]	[2A]				12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66838	2150.2	[2]	20	700	1940													24.2	24.17	-0.03
	[66C]	[66C]	[2A]	12A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	[2]	20	700	1940	12	10	5095	737.5													24.02	23.97	-0.05
2A-[66A]-66A-71A	2A	[66A]	66A	71A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[66]	20	67036	2170	66	20	66536	2120	71	20	68761	634.5													24.12	24.11	-0.01
	[66A]	66A	71A	2A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	71	20	68761	634.5	2	20	700	1940													24.02	24	-0.02
	66A	71A	2A	[66A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	71	20	68761	634.5	2	20	700	1940	[66]	20	66536	2120													24.02	24.01	-0.01
	71A	2A	[66A]	66A				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	2	20	700	1940	[66]	20	67036	2170	66	20	66536	2120													24.25	24.16	-0.09
2A-[66A]-[66A]-71A	2A	[66A]	[66A]	71A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[66]	20	67036	2170	[66]	20	66536	2120	71	20	68761	634.5													24.12	24.07	-0.05
	[66A]	[66A]	71A	2A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	71	20	68761	634.5	2	20	700	1940													24.02	23.94	-0.08
	71A	2A	[66A]	[66A]				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	2	20	700	1940	[66]	20	67036	2170	[66]	20	66536	2120													24.25	24.19	-0.06
[2A]-66A-66A-71A	[2A]	66A	66A	71A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	66	20	67036	2170	66	20	66536	2120	71	20	68761	634.5													24.12	24	-0.12
	66A	66A	71A	[2A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	71	20	68761	634.5	2	20	700	1940	[66]	20	66536	2120													24.02	23.99	-0.03
	71A	[2A]	66A	66A				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[2]	20	700	1940	66	20	67036	2170	66	20	66536	2120													24.25	24.24	-0.01
[2A]-[66A]-66A-71A	[2A]	[66A]	66A	71A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[66]	20	67036	2170	66	20	66536	2120	71	20	68761	634.5													24.12	24.03	-0.09
	[66A]	66A	71A	[2A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	71	20	68761	634.5	[2]	20	700	1940													24.02	24.02	0
	66A	71A	[2A]	[66A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	71	20	68761	634.5	[2]	20	700	1940	[66]	20	66536	2120													24.02	23.95	-0.07
	71A	[2A]	[66A]	66A				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[2]	20	700	1940	[66]	20	67036	2170	66	20	66536	2120													24.25	24.13	-0.12
[2A]-[66A]-[66A]-71A	[2A]	[66A]	[66A]	71A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[66]	20	67036	2170	[66]	20	66536	2120	71	20	68761	634.5													24.12	24	-0.12
	[66A]	[66A]	71A	[2A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	71	20	68761	634.5	[2]	20	700	1940													24.02	24.02	0
	71A	[2A]	[66A]	[66A]				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[2]	20	700	1940	[66]	20	67036	2170	[66]	20	66536	2120													24.25	24.14	-0.11
[4A]-4A-12B	[4A]	4A	12B	12B				[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	4	20	2300	2145	12	5	5095	737.5	12	5	5143	742.3													23.81	23.79	-0.02
	4A	12B	12B	[4A]				4	QPSK	20	20050	1720	1	0	4	20	2050	2120	12	5	5095	737.5	12	5	5143	742.3	[4]	20	2300	2145													23.81	23.74	-0.07
	12B	12B	[4A]	4A				12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	[4]	20	2050	2120	4	20	2300	2145													24.29	24.27	-0.02
[4A]-[4A]-12B	[4A]	[4A]	12B	12B				[4]	QPSK	20	20050	1720	1	0	[4]	20	2050	2120	[4]	20	2300	2145	12	5	5095	737.5	12	5	5143	742.3													23.81	23.66	-0.15
	12B	12B	[4A]	[4A]				12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	[4]	20	2050	2120	[4]	20	2300	2145													24.29	24.18	-0.11
2A-2A-5A-[66A]-66A	2A	2A	5A	[66A]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	20	67036	2170	66	20	66536	2120									24.12	24.12	0
	5A	[66A]	66A	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980									24.56	24.49	-0.07
	[66A]	66A	2A	2A	5A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5									24.02	23.87	-0.15
	66A	2A	2A	5A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	20	66536	2120									24.02	24	-0.02
2A-2A-5A-[66A]-[66A]	2A	2A	5A	[66A]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.04	-0.08
	5A	[66A]	[66A]	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	2	20	1100	1980									24.56	24.49	-0.07
	[66A]	[66A]	2A	2A	5A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5									24.02	23.99	-0.03
[2A]-2A-5A-66A-66A	[2A]	2A	5A	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	66	20	67036	2170	66	20	66536	2120									24.12	24.04	-0.08
	2A	5A	66A	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	66	20	67036	2170	66	20	66536	2120	[2]	20	1100	1980									24.12	24.03	-0.09
	5A	66A	66A	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980									24.56	24.46	-0.1
	66A	66A	[2A]	2A	5A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5									24.02	23.9	-0.12
[2A]-2A-5A-[66A]-66A	[2A]	2A	5A	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	20	67036	2170	66	20	66536	2120									24.12	23.97	-0.15
	2A	5A	[66A]	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	[66]	20	67036	2170	66	20	66536	2120	[2]	20	1100	1980									24.12	24.12	0
	5A	[66A]	66A	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980									24.56	24.44	-0.12
	[66A]	66A	[2A]	2A	5A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5									24.02	23.95	-0.07
	66A	[2A]	2A	5A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	20	66536	2120									24.02	23.98	-0.04
[2A]-2A-5A-[66A]-[66A]	[2A]	2A	5A	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.06	-0.06
	2A	5A	[66A]	[66A]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	1100	1980									24.12	24.02	-0.1
	5A	[66A]	[66A]	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	2	20	1100	1980									24.56	24.43	-0.13
	[66A]	[66A]	[2A]	2A	5A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5									24.02	23.97	-0.05
[2A]-[2A]-5A-66A-66A	[2A]	[2A]	5A	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	66	20	67036	2170	66	20	66536	2120									24.12	23.97	-0.15
	5A	66A	66A	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980									24.56	24.52	-0.04
	66A	66A	[2A]	[2A]	5A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5									24.02	24.01	-0.01
[2A]-[2A]-5A-[66A]-66A	[2A]	[2A]	5A	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	[66]	20	67036	2170	66	20	66536	2120									24.12	24.01	-0.11
	5A	[66A]	66A	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980									24.56	24.47	-0.09
	[66A]	66A	[2A]	[2A]	5A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5									24.02	23.91	-0.11
	66A	[2A]	[2A]	5A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	[66]	20	66536	2120									24.02	23.94	-0.08
[2A]-[2A]-5A-[66A]-[66A]	[2A]	[2A]	5A	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.03	-0.09
	5A	[66A]	[66A]	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980									24.56	24.47	-0.09
	[66A]	[66A]	[2A]	[2A]	5A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5									24.02	23.9	-0.12

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configuation (BCS)	Bands							UL							DL																												LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
2A-2A-5A-[66C]	2A	2A	5A	[66C]	[66C]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66536	2120											24.12	23.97	-0.15
	5A	[66C]	[66C]	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66838	2150.2	2	20	700	1940	2	20	1100	1980									24.56	24.55	-0.01
	[66C]	[66C]	2A	2A	5A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5									24.02	24.01	-0.01
[2A]-2A-5A-66C	[2A]	2A	5A	66C	66C			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	66	20	67036	2170	66	20	66838	2150.2									24.12	24.02	-0.1
	2A	5A	66C	66C	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	66	20	67036	2170	66	20	66838	2150.2	[2]	20	700	1940									24.12	24	-0.12
	5A	66C	66C	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	66	20	67036	2170	66	20	66838	2150.2	[2]	20	700	1940	2	20	1100	1980									24.56	24.42	-0.14
	66C	66C	[2A]	2A	5A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5									24.02	23.95	-0.07
[2A]-2A-5A-[66C]	[2A]	2A	5A	[66C]	[66C]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66838	2150.2									24.12	24.07	-0.05
	2A	5A	[66C]	[66C]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66838	2150.2	[2]	20	700	1940									24.12	24.07	-0.05
	5A	[66C]	[66C]	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66838	2150.2	[2]	20	700	1940	2	20	1100	1980									24.56	24.48	-0.08
	[66C]	[66C]	[2A]	2A	5A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5									24.02	23.88	-0.14
[2A]-[2A]-5A-66C	[2A]	[2A]	5A	66C	66C			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	66	20	67036	2170	66	20	66838	2150.2									24.12	24.07	-0.05
	5A	66C	66C	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	66	20	67036	2170	66	20	66838	2150.2	[2]	20	700	1940	[2]	20	1100	1980									24.56	24.42	-0.14
	66C	66C	[2A]	[2A]	5A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5									24.02	23.88	-0.14
[2A]-[2A]-5A-[66C]	[2A]	[2A]	5A	[66C]	[66C]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66838	2150.2									24.12	23.99	-0.13
	5A	[66C]	[66C]	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	20	67036	2170	[66]	20	66838	2150.2	[2]	20	700	1940	[2]	20	1100	1980									24.56	24.44	-0.12
	[66C]	[66C]	[2A]	[2A]	5A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5									24.02	23.88	-0.14
2A-2A-12A-[66A]-66A	2A	2A	12A	[66A]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[66]	20	67036	2170	66	20	66536	2120									24.12	24.04	-0.08
	12A	[66A]	66A	2A	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980									24.2	24.12	-0.08
	[66A]	66A	2A	2A	12A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5									24.02	23.95	-0.07
	66A	2A	2A	12A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[66]	20	66536	2120									24.02	23.9	-0.12
2A-2A-12A-[66A]-[66A]	2A	2A	12A	[66A]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.08	-0.04
	12A	[66A]	[66A]	2A	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	2	20	1100	1980									24.2	24.17	-0.03
	[66A]	[66A]	2A	2A	12A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5									24.02	23.91	-0.11
[2A]-2A-12A-66A-66A	[2A]	2A	12A	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	66	20	67036	2170	66	20	66536	2120									24.12	24.04	-0.08
	2A	12A	66A	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940									24.12	23.99	-0.13
	12A	66A	66A	[2A]	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980									24.2	24.18	-0.02
	66A	66A	[2A]	2A	12A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5									24.02	23.94	-0.08
[2A]-2A-12A-[66A]-66A	[2A]	2A	12A	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[66]	20	67036	2170	66	20	66536	2120									24.12	24.1	-0.02
	2A	12A	[66A]	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940									24.12	24.03	-0.09
	12A	[66A]	66A	[2A]	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980									24.2	24.17	-0.03
	[66A]	66A	[2A]	2A	12A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5									24.02	23.94	-0.08
	66A	[2A]	2A	12A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[66]	20	66536	2120									24.02	24	-0.02
[2A]-2A-12A-[66A]-[66A]	[2A]	2A	12A	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.01	-0.11
	2A	12A	[66A]	[66A]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940									24.12	23.99	-0.13
	12A	[66A]	[66A]	[2A]	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	2	20	1100	1980									24.2	24.11	-0.09
	[66A]	[66A]	[2A]	2A	12A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5									24.02	23.95	-0.07
[2A]-[2A]-12A-66A-66A	[2A]	[2A]	12A	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	66	20	67036	2170	66	20	66536	2120									24.12	24.03	-0.09
	12A	66A	66A	[2A]	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980									24.2	24.17	-0.03
	66A	66A	[2A]	[2A]	12A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5									24.02	23.89	-0.13
[2A]-[2A]-12A-[66A]-66A	[2A]	[2A]	12A	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	[66]	20	67036	2170	66	20	66536	2120									24.12	23.99	-0.13
	12A	[66A]	66A	[2A]	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980									24.2	24.12	-0.08
	[66A]	66A	[2A]	[2A]	12A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5									24.02	23.93	-0.09
	66A	[2A]	[2A]	12A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	[66]	20	66536	2120									24.02	23.88	-0.14
[2A]-[2A]-12A-[66A]-[66A]	[2A]	[2A]	12A	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.04	-0.08
	12A	[66A]	[66A]	[2A]	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980									24.2	24.2	0
	[66A]	[66A]	[2A]	[2A]	12A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5									24.02	23.88	-0.14
2A-2A-12B-[66A]	2A	2A	12B	12B	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3	[66]	20	67036	2170									24.12	24.09	-0.03
	12B	12B	[66A]	2A	2A			12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980									24.29	24.29	0
	[66A]	2A	2A	12B	12B			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3									24.02	24	-0.02
[2A]-2A-12B-66A	[2A]	2A	12B	12B	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3	66	20	67036	2170									24.12	24.05	-0.07
	2A	12B	12B	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	5	5095	737.5	12	5	5143	742.3	66	20	67036	2170	[2]	20	700	1940									24.12	24	-0.12
	12B	12B	66A	[2A]	2A			12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980									24.29	24.15	-0.14
	66A	[2A]	2A	12B	12B			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3									24.02	23.94	-0.08
[2A]-2A-12B-[66A]	[2A]	2A	12B	12B	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3	[66]	20	67036	2170									24.12	24.11	-0.01
	2A	12B	12B	[66A]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	5	5095	737.5	12	5	5143	742.3	[66]	20	67036	2170	[2]	20	700	1940									24.12	23.99	-0.13
	12B	12B	[66A]	[2A]	2A			12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980									24.29	24.18	-0.11
	[66A]	[2A]	2A	12B	12B			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3									24.02	23.99	-0.03
[2A]-[2A]-12B-66A	[2A]	[2A]	12B	12B	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3	66	20	67036	2170									24.12	24.03	-0.09
	12B	12B	66A	[2A]	[2A]			12	QPSK	5	23095	707.5	1	0	12	5	5095	737.5	12	5	5143	742.3	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980									24.29	24.26	-0.03
	66A	[2A]	[2A]	12B	12B			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	5	5095	737.5	12	5	5143	742.3									24.02	23.87	-0.15

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

| E-UTRA CA configuation (BCS) | Bands | | | | | | | UL | | | | | | | DL | | | | | | |

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configuation (BCS)	Bands							UL							DL																												LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
2A-12A-[30A]-[66A]-66A	2A	12A	[30A]	[66A]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120											24.12	24.12	0
	12A	[30A]	[66A]	66A	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940											24.2	24.09	-0.11
	[30A]	[66A]	66A	2A	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	12	10	5095	737.5											23.01	22.94	-0.07
	[66A]	66A	2A	12A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355											24.02	23.87	-0.15
	66A	2A	12A	[30A]	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	66536	2120											24.02	23.99	-0.03
2A-12A-[30A]-[66A]-[66A]	2A	12A	[30A]	[66A]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120											24.12	24.09	-0.03
	12A	[30A]	[66A]	[66A]	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940											24.2	24.12	-0.08
	[30A]	[66A]	[66A]	2A	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	12	10	5095	737.5											23.01	22.87	-0.14
	[66A]	[66A]	2A	12A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355											24.02	24	-0.02
[2A]-12A-30A-66A-66A	[2A]	12A	30A	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120											24.12	23.97	-0.15
	12A	30A	66A	66A	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940											24.2	24.16	-0.04
	30A	66A	66A	[2A]	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5											23.01	22.93	-0.08
	66A	66A	[2A]	12A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5	30	10	9820	2355											24.02	23.89	-0.13
[2A]-12A-30A-[66A]-66A	[2A]	12A	30A	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120											24.12	23.99	-0.13
	12A	30A	[66A]	66A	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940											24.2	24.17	-0.03
	30A	[66A]	66A	[2A]	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5											23.01	22.99	-0.02
	[66A]	66A	[2A]	12A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5	30	10	9820	2355											24.02	23.99	-0.03
	66A	[2A]	12A	30A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	12	10	5095	737.5	30	10	9820	2355	[66]	20	66536	2120											24.02	23.91	-0.11
[2A]-12A-30A-[66A]-[66A]	[2A]	12A	30A	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120											24.12	23.99	-0.13
	12A	30A	[66A]	[66A]	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940											24.2	24.13	-0.07
	30A	[66A]	[66A]	[2A]	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5											23.01	22.98	-0.03
	[66A]	[66A]	[2A]	12A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5	30	10	9820	2355											24.02	23.9	-0.12
[2A]-12A-[30A]-66A-66A	[2A]	12A	[30A]	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355	66	20	67036	2170	66	20	66536	2120											24.12	23.98	-0.14
	12A	[30A]	66A	66A	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940											24.2	24.2	0
	[30A]	66A	66A	[2A]	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5											23.01	22.94	-0.07
	66A	66A	[2A]	12A	[30A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355											24.02	23.99	-0.03
[2A]-12A-[30A]-[66A]-66A	[2A]	12A	[30A]	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120											24.12	24.1	-0.02
	12A	[30A]	[66A]	66A	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940											24.2	24.06	-0.14
	[30A]	[66A]	66A	[2A]	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5											23.01	22.96	-0.05
	[66A]	66A	[2A]	12A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355											24.02	24	-0.02
	66A	[2A]	12A	[30A]	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	66536	2120											24.02	23.91	-0.11
[2A]-12A-[30A]-[66A]-[66A]	[2A]	12A	[30A]	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120											24.12	24.06	-0.06
	12A	[30A]	[66A]	[66A]	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940											24.2	24.12	-0.08
	[30A]	[66A]	[66A]	[2A]	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5											23.01	23	-0.01
	[66A]	[66A]	[2A]	12A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355											24.02	23.95	-0.07
[25A]-25A	[25A]	25A						[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	25	20	8590	1985																							24.07	23.92	-0.15
	25A	[25A]						25	QPSK	20	26140	1860	1	0	25	20	8140	1940	[25]	20	8590	1985																							24.07	24.04	-0.03
[25A]-[25A]	[25A]	[25A]						[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	[25]	20	8590	1985																							24.07	23.98	-0.09
4A-[48A]	4A	[48A]						4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	[48]	20	56640	3690																							23.79	23.78	-0.01
[4A]-48A	[4A]	48A						[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	48	20	56640	3690																							23.79	23.74	-0.05
[4A]-[48A]	[4A]	[48A]						[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	[48]	20	56640	3690																							23.79	23.65	-0.14
5A-[25A]	5A	[25A]						5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[25]	20	8140	1940																							24.56	24.55	-0.01
	[25A]	5A						[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	5	10	2525	881.5																							24.07	23.96	-0.11
5A-[41A]	5A	[41A]						5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[41]	20	41055	2636.5																							24.56	24.56	0
12A-[25A]	12A	[25A]						12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[25]	20	8140	1940																							24.2	24.08	-0.12
	[25A]	12A						[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	12	10	5095	737.5																							24.07	23.96	-0.11
25A-[41A]	25A	[41A]						25	QPSK	20	26140	1860	1	0	25	20	8140	1940	[41]	20	41055	2636.5																							24.07	23.95	-0.12
[25A]-41A	[25A]	41A						[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	41	20	41055	2636.5																							24.07	24.02	-0.05
[25A]-[41A]	[25A]	[41A]						[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	[41]	20	41055	2636.5																							24.07	24.01	-0.06
[41A]-41A	[41A]	41A						[41]	QPSK	20	41055	2636.5	1	0	[41]	20	41055	2636.5	41	20	40185	2549.5																							24.38	24.23	-0.15
	41A	[41A]						41	QPSK	20	41055	2636.5	1	0	41	20	41055	2636.5	[41]	20	40185	2549.5																							24.38	24.37	-0.01
[41A]-[41A]	[41A]	[41A]						[41]	QPSK	20	41055	2636.5	1	0	[41]	20	41055	2636.5	[41]	20	40185	2549.5																							24.38	24.23	-0.15
[48A]-48A	[48A]	48A						[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	48	20	55773	3603.3																							23.16	23.01	-0.15
	48A	[48A]						48	QPSK	20	56640	3690	1	0	48	20	56640	3690	[48]	20	55773	3603.3																							23.16	23.07	-0.09
[48A]-[48A]	[48A]	[48A]						[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	55773	3603.3																							23.16	23.04	-0.12
[48B]	[48B]	[48B]						[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2																							23.16	23.06	-0.1
2A-[4A]-13A	2A	[4A]	13A					2	QPSK	20	18700	1860	1	49	2	20	700	1940	[4]	20	2175	2132.5	13	10	5230	751																							24.12	23.97	-0.15
	[4A]	13A	2A					[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	13	10	5230	751	2	20	700	1940																							23.79	23.66	-0.13
	13A	2A	[4A]					13	QPSK	10	23230	782	1	25	13	10	5230	751	2	20	700	1940	[4]	20	2175	2132.5																							24.87	24.75	-0.12
[2A]-4A-13A	[2A]	4A	13A					[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	4	20	2175	2132.5	13	10	5230	751																							24.12	24.09	-0.03
	4A	13A	[2A]					4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	13	10	5230	751	[2]	20	700	1940																							23.79	23.73	-0.06
	13A	[2A]	4A					13	QPSK	10	23230	782	1	25	13	10	5230	751	[2]	20	700	1940	4	20	2175	2132.5																							24.87	24.83	-0.04
[2A]-[4A]-13A	[2A]	[4A]	13A					[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[4]	20	2175	2132.5	13	10	5230	751																							24.12	24.09	-0.03
	[4A]	13A	[2A]					[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	13	10	5230	751	[2]	20	700	1940																							23.79	23.74	-0.05
	13A	[2A]	[4A]					13	QPSK	10	23230	782	1	25	13	10	5230	751	[2]	20	700	1940	[4]	20	2175	2132.5																							24.87	24.77	-0.1

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configuation (BCS)	Bands							UL							DL																												LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
4A-[48C]	4A	[48C]	[48C]					4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	[48]	20	56640	3690	[48]	20	56442	3670.2																	23.79	23.66	-0.13
[4A]-48C	[4A]	48C	48C					[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2																	23.79	23.69	-0.1
[4A]-[48C]	[4A]	[48C]	[48C]					[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	[48]	20	56640	3690	[48]	20	56442	3670.2																	23.79	23.76	-0.03
13A-[48B]	13A	[48B]	[48B]					13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2																	24.87	24.74	-0.13
25A-[41C]	25A	[41C]	[41C]					25	QPSK	20	26140	1860	1	0	25	20	8140	1940	[41]	20	41055	2636.5	[41]	20	40857	2616.7																	24.07	23.97	-0.1
[25A]-41C	[25A]	41C	41C					[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	41	20	41055	2636.5	41	20	40857	2616.7																	24.07	24.05	-0.02
[25A]-[41C]	[25A]	[41C]	[41C]					[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	[41]	20	41055	2636.5	[41]	20	40857	2616.7																	24.07	23.97	-0.1
41A-[41C]	41A	[41C]	[41C]					41	QPSK	20	41055	2636.5	1	0	41	20	41055	2636.5	[41]	20	40185	2549.5	[41]	20	40383	2569.3																	24.38	24.33	-0.05
	[41C]	[41C]	41A					[41]	QPSK	20	41055	2636.5	1	0	[41]	20	41055	2636.5	[41]	20	40857	2616.7	41	20	40185	2549.5																	24.38	24.34	-0.04
[41A]-41C	[41A]	41C	41C					[41]	QPSK	20	41055	2636.5	1	0	[41]	20	41055	2636.5	41	20	40185	2549.5	41	20	40383	2569.3																	24.38	24.34	-0.04
	41C	41C	[41A]					41	QPSK	20	41055	2636.5	1	0	41	20	41055	2636.5	41	20	40857	2616.7	[41]	20	40185	2549.5																	24.38	24.29	-0.09
[41A]-[41C]	[41A]	[41C]	[41C]					[41]	QPSK	20	41055	2636.5	1	0	[41]	20	41055	2636.5	[41]	20	40185	2549.5	[41]	20	40383	2569.3																	24.38	24.38	0
	[41C]	[41C]	[41A]					[41]	QPSK	20	41055	2636.5	1	0	[41]	20	41055	2636.5	[41]	20	40857	2616.7	[41]	20	40185	2549.5																	24.38	24.34	-0.04
[41D]	[41D]	[41D]	[41D]					[41]	QPSK	20	41055	2636.5	1	0	[41]	20	41055	2636.5	[41]	20	40857	2616.7	[41]	20	40659	2596.9																	24.38	24.23	-0.15
[48A]-48A-71A	71A	[48A]	48A					71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[48]	20	56640	3690	48	20	55773	3603.3																	24.25	24.12	-0.13
[48A]-[48A]-71A	71A	[48A]	[48A]					71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[48]	20	56640	3690	[48]	20	55773	3603.3																	24.25	24.15	-0.1
48A-[48C]	48A	[48C]	[48C]					48	QPSK	20	56640	3690	1	0	48	20	56640	3690	[48]	20	55773	3603.3	[48]	20	55971	3623.1																	23.16	23.14	-0.02
	[48C]	[48C]	48A					[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	48	20	55773	3603.3																	23.16	23.15	-0.01
[48A]-48C	[48A]	48C	48C					[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	48	20	55773	3603.3	48	20	55971	3623.1																	23.16	23.05	-0.11
	48C	48C	[48A]					48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	[48]	20	55773	3603.3																	23.16	23.02	-0.14
[48A]-[48C]	[48A]	[48C]	[48C]					[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	55773	3603.3	[48]	20	55971	3623.1																	23.16	23.06	-0.1
	[48C]	[48C]	[48A]					[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	55773	3603.3																	23.16	23.11	-0.05
48B-[66A]	[66A]	48B	48B					[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2																	24.02	23.93	-0.09
[48B]-66A	66A	[48B]	[48B]					66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2																	24.02	24.01	-0.01
[48B]-[66A]	[66A]	[48B]	[48B]					[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2																	24.02	23.97	-0.05
[48C]-71A	71A	[48C]	[48C]					71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[48]	20	56640	3690	[48]	20	55773	3603.3																	24.25	24.12	-0.13
2A-2A-[66A]-71A	2A	2A	[66A]	71A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	[66]	20	67036	2170	71	20	68761	634.5													24.12	24.07	-0.05
	[66A]	71A	2A	2A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	71	20	68761	634.5	2	20	700	1940	2	20	1100	1980													24.02	23.89	-0.13
	71A	2A	2A	[66A]				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	2	20	700	1940	2	20	1100	1980	[66]	20	67036	2170													24.25	24.2	-0.05
[2A]-2A-66A-71A	[2A]	2A	66A	71A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	66	20	67036	2170	71	20	68761	634.5													24.12	23.98	-0.14
	2A	66A	71A	[2A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	66	20	67036	2170	71	20	68761	634.5	[2]	20	1100	1980													24.12	24.04	-0.08
	66A	71A	[2A]	2A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	71	20	68761	634.5	[2]	20	700	1940	2	20	1100	1980													24.02	24	-0.02
	71A	[2A]	2A	66A				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[2]	20	700	1940	2	20	1100	1980	66	20	67036	2170													24.25	24.18	-0.07
[2A]-2A-[66A]-71A	[2A]	2A	[66A]	71A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	[66]	20	67036	2170	71	20	68761	634.5													24.12	24.1	-0.02
	2A	[66A]	71A	[2A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[66]	20	67036	2170	71	20	68761	634.5	[2]	20	1100	1980													24.12	24.06	-0.06
	[66A]	71A	[2A]	2A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	71	20	68761	634.5	[2]	20	700	1940	2	20	1100	1980													24.02	23.9	-0.12
	71A	[2A]	2A	[66A]				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[2]	20	700	1940	2	20	1100	1980	[66]	20	67036	2170													24.25	24.12	-0.13
[2A]-[2A]-66A-71A	[2A]	[2A]	66A	71A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	66	20	67036	2170	71	20	68761	634.5													24.12	24.12	0
	66A	71A	[2A]	[2A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	71	20	68761	634.5	[2]	20	700	1940	[2]	20	1100	1980													24.02	23.9	-0.12
	71A	[2A]	[2A]	66A				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[2]	20	700	1940	[2]	20	1100	1980	66	20	67036	2170													24.25	24.12	-0.13
[2A]-[2A]-[66A]-71A	[2A]	[2A]	[66A]	71A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	[66]	20	67036	2170	71	20	68761	634.5													24.12	24.03	-0.09
	[66A]	71A	[2A]	[2A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	71	20	68761	634.5	[2]	20	700	1940	[2]	20	1100	1980													24.02	23.98	-0.04
	71A	[2A]	[2A]	[66A]				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[2]	20	700	1940	[2]	20	1100	1980	[66]	20	67036	2170													24.25	24.2	-0.05
2A-13A-48A-[66A]	2A	13A	48A	[66A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	48	20	56640	3690	[66]	20	67036	2170													24.12	24.03	-0.09
	13A	48A	[66A]	2A				13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	[66]	20	67036	2170	2	20	700	1940													24.87	24.83	-0.04
	[66A]	48A	2A	13A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	2	20	700	1940	13	10	5230	751													24.02	23.91	-0.11
2A-13A-[48A]-66A	2A	13A	[48A]	66A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	[48]	20	56640	3690	66	20	67036	2170													24.12	24.04	-0.08
	13A	[48A]	66A	2A				13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	66	20	67036	2170	2	20	700	1940													24.87	24.83	-0.04
	66A	[48A]	2A	13A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	2	20	700	1940	13	10	5230	751													24.02	23.94	-0.08
2A-13A-[48A]-[66A]	2A	13A	[48A]	[66A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	[48]	20	56640	3690	[66]	20	67036	2170													24.12	24.02	-0.1
	13A	[48A]	[66A]	2A				13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[66]	20	67036	2170	2	20	700	1940													24.87	24.84	-0.03
	[66A]	[48A]	2A	13A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	2	20	700	1940	13	10	5230	751													24.02	23.89	-0.13
[2A]-13A-48A-66A	[2A]	13A	48A	66A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	48	20	56640	3690	66	20	67036	2170													24.12	24.07	-0.05
	13A	48A	66A	[2A]				13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	66	20	67036	2170	[2]	20	700	1940													24.87	24.72	-0.15
	66A	48A	[2A]	13A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	[2]	20	700	1940	13	10	5230	751													24.02	23.99	-0.03
[2A]-13A-48A-[66A]	[2A]	13A	48A	[66A]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	48	20	56640	3690	[66]	20	67036	2170													24.12	24.03	-0.09
	13A	48A	[66A]	[2A]				13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	[66]	20	67036	2170	[2]	20	700	1940													24.87	24.83	-0.04
	[66A]	48A	[2A]	13A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	[2]	20	700	1940	13	10	5230	751													24.02	23.93	-0.09
[2A]-13A-[48A]-66A	[2A]	13A	[48A]	66A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	[48]	20	56640	3690	66	20	67036	2170													24.12	23.98	-0.14
	13A	[48A]	66A	[2A]				13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	66	20	67036	2170	[2]	20	700	1940													24.87	24.78	-0.09
	66A	[48A]	[2A]	13A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[2]	20	700	1940	13	10	5230	751													24.02	23.93	-0.09
[2A]-13A-[48A]-[66A]	[2A]	13A	[48A]	[66A]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	[48]	20	56640	3690	[66]	20	67036	2170													24.12	24.09	-0.03
	13A	[48A]	[66A]	[2A]				13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[66]	20	67036	2170	[2]	20	700	1940													24.87	24.73	-0.14
	[66A]	[48A]	[2A]	13A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[2]	20	700	1940	13	10	5230	751													24.02	23.87	-0.15

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configuration (BCS)	Bands							UL							DL																								LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
2A-13A-[66B]	2A	13A	[66B]	[66B]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	[66]	15	67061	2172.5	[66]	5	66968	2163.2															24.12	23.97	-0.15
	13A	[66B]	[66B]	2A				13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	15	67061	2172.5	[66]	5	66968	2163.2	2	20	700	1940													24.87	24.84	-0.03
	[66B]	[66B]	2A	13A				[66]	QPSK	15	132597	1772.5	1	0	[66]	15	67061	2172.5	[66]	5	66968	2163.2	2	20	700	1940	13	10	5230	751													24.02	23.89	-0.13
[2A]-13A-66B	[2A]	13A	66B	66B				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	66	15	67061	2172.5	66	5	66968	2163.2													24.12	24.05	-0.07
	13A	66B	66B	[2A]				13	QPSK	10	23230	782	1	25	13	10	5230	751	66	15	67061	2172.5	66	5	66968	2163.2	[2]	20	700	1940													24.87	24.78	-0.09
	66B	66B	[2A]	13A				66	QPSK	15	132597	1772.5	1	0	66	15	67061	2172.5	66	5	66968	2163.2	[2]	20	700	1940	13	10	5230	751													24.02	24.01	-0.01
[2A]-13A-[66B]	[2A]	13A	[66B]	[66B]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	[66]	15	67061	2172.5	[66]	5	66968	2163.2													24.12	24.03	-0.09
	13A	[66B]	[66B]	[2A]				13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	15	67061	2172.5	[66]	5	66968	2163.2	[2]	20	700	1940													24.87	24.84	-0.03
	[66B]	[66B]	[2A]	13A				[66]	QPSK	15	132597	1772.5	1	0	[66]	15	67061	2172.5	[66]	5	66968	2163.2	[2]	20	700	1940	13	10	5230	751													24.02	23.97	-0.05
2A-13A-[66C]	2A	13A	[66C]	[66C]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	[66]	20	67036	2170	[66]	20	66838	2150.2													24.12	24.05	-0.07
	13A	[66C]	[66C]	2A				13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	20	67036	2170	[66]	20	66838	2150.2	2	20	700	1940													24.87	24.78	-0.09
	[66C]	[66C]	2A	13A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	2	20	700	1940	13	10	5230	751													24.02	24.01	-0.01
[2A]-13A-66C	[2A]	13A	66C	66C				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	66	20	67036	2170	66	20	66838	2150.2													24.12	24.05	-0.07
	13A	66C	66C	[2A]				13	QPSK	10	23230	782	1	25	13	10	5230	751	66	20	67036	2170	66	20	66838	2150.2	[2]	20	700	1940													24.87	24.75	-0.12
	66C	66C	[2A]	13A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	[2]	20	700	1940	13	10	5230	751													24.02	23.98	-0.04
[2A]-13A-[66C]	[2A]	13A	[66C]	[66C]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	[66]	20	67036	2170	[66]	20	66838	2150.2													24.12	24.07	-0.05
	13A	[66C]	[66C]	[2A]				13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	20	67036	2170	[66]	20	66838	2150.2	[2]	20	700	1940													24.87	24.82	-0.05
	[66C]	[66C]	[2A]	13A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	[2]	20	700	1940	13	10	5230	751													24.02	23.99	-0.03
2A-48A-48A-[66A]	2A	48A	48A	[66A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	48	20	55773	3603.3	[66]	20	67036	2170													24.12	24.01	-0.11
	[66A]	48A	48A	2A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	55773	3603.3	2	20	700	1940													24.02	23.94	-0.08
2A-[48A]-48A-66A	2A	[48A]	48A	66A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	48	20	55773	3603.3	66	20	67036	2170													24.12	24.1	-0.02
	66A	[48A]	48A	2A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	48	20	55773	3603.3	2	20	700	1940													24.02	24.01	-0.01
2A-[48A]-48A-[66A]	2A	[48A]	48A	[66A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	48	20	55773	3603.3	[66]	20	67036	2170													24.12	24.01	-0.11
	[66A]	[48A]	48A	2A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	48	20	55773	3603.3	2	20	700	1940													24.02	23.93	-0.09
2A-[48A]-[48A]-66A	2A	[48A]	[48A]	66A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	[48]	20	55773	3603.3	66	20	67036	2170													24.12	24.11	-0.01
	66A	[48A]	[48A]	2A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	55773	3603.3	2	20	700	1940													24.02	23.93	-0.09
2A-[48A]-[48A]-[66A]	2A	[48A]	[48A]	[66A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	[48]	20	55773	3603.3	[66]	20	67036	2170													24.12	24.04	-0.08
	[66A]	[48A]	[48A]	2A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	55773	3603.3	2	20	700	1940													24.02	23.94	-0.08
[2A]-48A-48A-66A	[2A]	48A	48A	66A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	48	20	55773	3603.3	66	20	67036	2170													24.12	23.99	-0.13
	66A	48A	48A	[2A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	55773	3603.3	[2]	20	700	1940													24.02	23.93	-0.09
[2A]-48A-48A-[66A]	[2A]	48A	48A	[66A]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	48	20	55773	3603.3	[66]	20	67036	2170													24.12	23.98	-0.14
	[66A]	48A	48A	[2A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	55773	3603.3	[2]	20	700	1940													24.02	23.89	-0.13
[2A]-[48A]-48A-66A	[2A]	[48A]	48A	66A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	48	20	55773	3603.3	66	20	67036	2170													24.12	24.03	-0.09
	66A	[48A]	48A	[2A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	48	20	55773	3603.3	[2]	20	700	1940													24.02	23.88	-0.14
[2A]-[48A]-48A-[66A]	[2A]	[48A]	48A	[66A]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	48	20	55773	3603.3	[66]	20	67036	2170													24.12	24.04	-0.08
	[66A]	[48A]	48A	[2A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	48	20	55773	3603.3	[2]	20	700	1940													24.02	23.95	-0.07
[2A]-[48A]-[48A]-66A	[2A]	[48A]	[48A]	66A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	55773	3603.3	66	20	67036	2170													24.12	24.09	-0.03
	66A	[48A]	[48A]	[2A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	55773	3603.3	[2]	20	700	1940													24.02	23.89	-0.13
[2A]-[48A]-[48A]-[66A]	[2A]	[48A]	[48A]	[66A]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	55773	3603.3	[66]	20	67036	2170													24.12	24.03	-0.09
	[66A]	[48A]	[48A]	[2A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	55773	3603.3	[2]	20	700	1940													24.02	23.98	-0.04
2C-[66A]-66A	2C	2C	[66A]	66A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	898	1959.8	[66]	15	67061	2172.5	66	5	66968	2163.2													24.12	23.99	-0.13
	[66A]	66A	2C	2C				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	898	1959.8													24.02	23.89	-0.13
	66A	2C	2C	[66A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	[66]	20	66536	2120													24.02	24	-0.02
2C-[66A]-[66A]	2C	2C	[66A]	[66A]				2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	898	1959.8	[66]	15	67061	2172.5	[66]	5	66968	2163.2													24.12	24.06	-0.06
	[66A]	[66A]	2C	2C				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	2	20	898	1959.8													24.02	24.02	0
[2C]-66A-66A	[2C]	[2C]	66A	66A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	898	1959.8	66	15	67061	2172.5	66	5	66968	2163.2													24.12	23.99	-0.13
	66A	66A	[2C]	[2C]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	898	1959.8													24.02	23.97	-0.05
[2C]-[66A]-66A	[2C]	[2C]	[66A]	66A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	898	1959.8	[66]	15	67061	2172.5	66	5	66968	2163.2													24.12	24.09	-0.03
	[66A]	66A	[2C]	[2C]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	898	1959.8													24.02	23.87	-0.15
	66A	[2C]	[2C]	[66A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	[66]	20	66536	2120													24.02	23.96	-0.06
[2C]-[66A]-[66A]	[2C]	[2C]	[66A]	[66A]				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	898	1959.8	[66]	15	67061	2172.5	[66]	5	66968	2163.2													24.12	23.99	-0.13
	[66A]	[66A]	[2C]	[2C]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	[2]	20	898	1959.8													24.02	24.01	-0.01
2A-[66C]-71A	2A	[66C]	[66C]	71A				2	QPSK	20	18700	1860	1	49	2	20	700	1940	[66]	20	67036	2170	[66]	20	66838	2150.2	71	20	68761	634.5													24.12	24.12	0
	[66C]	[66C]	71A	2A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	71	20	68761	634.5	2	20	700	1940													24.02	23.94	-0.08
	71A	2A	[66C]	[66C]				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	2	20	700	1940	[66]	20	67036	2170	[66]	20	66838	2150.2													24.25	24.22	-0.03
2A-66C-71A	[2A]	66C	66C	71A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	66	20	67036	2170	66	20	66838	2150.2	71	20	68761	634.5													24.12	24.11	-0.01
	66C	66C	71A	[2A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	71	20	68761	634.5	[2]	20	700	1940													24.02	23.93	-0.09
	71A	[2A]	66C	66C				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[2]	20	700	1940	66	20	67036	2170	66	20	66838	2150.2													24.25	24.21	-0.04
[2A]-[66C]-71A	[2A]	[66C]	[66C]	71A				[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[66]	20	67036	2170	[66]	20	66838	2150.2	71	20	68761	634.5													24.12	24.06	-0.06
	[66C]	[66C]	71A	[2A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	71	20	68761	634.5	[2]	20	700	1940													24.02	23.98	-0.04
	71A	[2A]	[66C]	[66C]				71	QPSK	20	133297	680.5	1	0	71	20	68761	634.5	[2]	20	700	1940	[66]	20	67036	2170	[66]	20	66838	2150.2													24.25	24.2	-0.05
4A-[48D]	4A	[48D]	[48D]	[48D]				4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4													23.79	23.65	-0.14
[4A]-48D	[4A]	48D	48D	48D				[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56046	3630.6													23.79	23.77	-0.02
[4A]-[48D]	[4A]	[48D]	[48D]	[48D]				[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56046	3630.6													23.79	23.7	-0.09

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configuration (BCS)	Bands							UL							DL																								LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
13A-48A-[66B]	13A	48A	[66B]	[66B]				13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	[66]	15	67061	2172.5	[66]	5	66968	2163.2															24.87	24.72	-0.15
	[66B]	[66B]	48A	13A				[66]	QPSK	15	132597	1772.5	1	0	[66]	15	67061	2172.5	[66]	5	66968	2163.2	48	20	56640	3690	13	10	5230	751													24.02	23.97	-0.05
13A-[48A]-66B	13A	[48A]	66B	66B				13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	66	15	67061	2172.5	66	5	66968	2163.2															24.87	24.87	0
	66B	66B	[48A]	13A				66	QPSK	15	132597	1772.5	1	0	66	15	67061	2172.5	66	5	66968	2163.2	[48]	20	56640	3690	13	10	5230	751													24.02	24.01	-0.01
13A-[48A]-[66B]	13A	[48A]	[66B]	[66B]				13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[66]	15	67061	2172.5	[66]	5	66968	2163.2															24.87	24.77	-0.1
	[66B]	[66B]	[48A]	13A				[66]	QPSK	15	132597	1772.5	1	0	[66]	15	67061	2172.5	[66]	5	66968	2163.2	[48]	20	56640	3690	13	10	5230	751													24.02	23.95	-0.07
13A-48A-[66C]	13A	48A	[66C]	[66C]				13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	[66]	20	67036	2170	[66]	20	66838	2150.2															24.87	24.77	-0.1
	[66C]	[66C]	48A	13A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	48	20	56640	3690	13	10	5230	751													24.02	24.01	-0.01
13A-[48A]-66C	13A	[48A]	66C	66C				13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	66	20	67036	2170	66	20	66838	2150.2															24.87	24.76	-0.11
	66C	66C	[48A]	13A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	[48]	20	56640	3690	13	10	5230	751													24.02	23.95	-0.07
13A-[48A]-[66C]	13A	[48A]	[66C]	[66C]				13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[66]	20	67036	2170	[66]	20	66838	2150.2															24.87	24.78	-0.09
	[66C]	[66C]	[48A]	13A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	[48]	20	56640	3690	13	10	5230	751													24.02	23.91	-0.11
25A-[41D]	25A	[41D]	[41D]	[41D]				25	QPSK	20	26140	1860	1	0	25	20	8140	1940	[41]	20	41055	2636.5	[41]	20	40857	2616.7	[41]	20	40659	2596.9															24.07	24.03	-0.04
[25A]-41D	[25A]	41D	41D	41D				[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	41	20	41055	2636.5	41	20	40857	2616.7	41	20	40659	2596.9													24.07	23.99	-0.08
[25A]-[41D]	[25A]	[41D]	[41D]	[41D]				[25]	QPSK	20	26140	1860	1	0	[25]	20	8140	1940	[41]	20	41055	2636.5	[41]	20	40857	2616.7	[41]	20	40659	2596.9													24.07	24.07	0
29A-30A-[66A]-66A	30A	29A	[66A]	66A				30	QPSK	10	27710	2310	1	25	30	10	9820	2355	29	10	9715	722.5	[66]	20	67036	2170	66	20	66536	2120													23.01	22.91	-0.1
	[66A]	29A	66A	30A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	29	10	9715	722.5	66	20	66536	2120	30	10	9820	2355													24.02	23.94	-0.08
	66A	29A	30A	[66A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	29	10	9715	722.5	30	10	9820	2355	[66]	20	66536	2120													24.02	23.87	-0.15
29A-30A-[66A]-[66A]	30A	29A	[66A]	[66A]				30	QPSK	10	27710	2310	1	25	30	10	9820	2355	29	10	9715	722.5	[66]	20	67036	2170	[66]	20	66536	2120													23.01	22.89	-0.12
	[66A]	[66A]	29A	30A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	29	10	9715	722.5	30	10	9820	2355													24.02	24	-0.02
29A-[30A]-66A-66A	[30A]	29A	66A	66A				[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	29	10	9715	722.5	66	20	67036	2170	66	20	66536	2120													23.01	22.95	-0.06
	66A	66A	29A	[30A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	29	10	9715	722.5	[30]	10	9820	2355													24.02	24.02	0
29A-[30A]-[66A]-66A	[30A]	29A	[66A]	66A				[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	29	10	9715	722.5	[66]	20	67036	2170	66	20	66536	2120													23.01	22.91	-0.1
	[66A]	29A	66A	[30A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	29	10	9715	722.5	66	20	66536	2120	[30]	10	9820	2355													24.02	23.94	-0.08
	66A	29A	[30A]	[66A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	29	10	9715	722.5	[30]	10	9820	2355	[66]	20	66536	2120													24.02	23.93	-0.09
29A-[30A]-[66A]-[66A]	[30A]	29A	[66A]	[66A]				[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	29	10	9715	722.5	[66]	20	67036	2170	[66]	20	66536	2120													23.01	22.99	-0.02
	[66A]	[66A]	29A	[30A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	29	10	9715	722.5	[30]	10	9820	2355													24.02	23.92	-0.1
48A-48A-[66A]-66A	[66A]	48A	48A	66A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	55773	3603.3	66	20	66536	2120													24.02	23.97	-0.05
	66A	48A	48A	[66A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	55773	3603.3	[66]	20	66536	2120													24.02	23.92	-0.1
48A-48A-[66A]-[66A]	[66A]	[66A]	48A	48A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	48	20	56640	3690	48	20	55773	3603.3													24.02	23.96	-0.06
[48A]-48A-66A-66A	66A	66A	[48A]	48A				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[48]	20	56640	3690	48	20	55773	3603.3													24.02	23.99	-0.03
[48A]-48A-[66A]-66A	[66A]	[48A]	48A	66A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	48	20	55773	3603.3	66	20	66536	2120													24.02	23.98	-0.04
	66A	[48A]	48A	[66A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	48	20	55773	3603.3	[66]	20	66536	2120													24.02	23.9	-0.12
[48A]-48A-[66A]-[66A]	[66A]	[66A]	[48A]	48A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[48]	20	56640	3690	48	20	55773	3603.3													24.02	23.91	-0.11
[48A]-[48A]-66A-66A	66A	66A	[48A]	[48A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[48]	20	56640	3690	[48]	20	55773	3603.3													24.02	23.91	-0.11
[48A]-[48A]-[66A]-66A	[66A]	[48A]	[48A]	66A				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	55773	3603.3	66	20	66536	2120													24.02	23.95	-0.07
	66A	[48A]	[48A]	[66A]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	55773	3603.3	[66]	20	66536	2120													24.02	23.93	-0.09
[48A]-[48A]-[66A]-[66A]	[66A]	[66A]	[48A]	[48A]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[48]	20	56640	3690	[48]	20	55773	3603.3													24.02	24.02	0
48A-[48D]	48A	[48D]	[48D]	[48D]				48	QPSK	20	56640	3690	1	0	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6													23.16	23.13	-0.03
	[48D]	[48D]	[48D]	48A				[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	48	20	55340	3560													23.16	23.04	-0.12
[48A]-48D	[48A]	48D	48D	48D				[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6													23.16	23.1	-0.06
	48D	48D	48D	[48A]				48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	[48]	20	55340	3560													23.16	23.1	-0.06
[48A]-[48D]	[48A]	[48D]	[48D]	[48D]				[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6													23.16	23.04	-0.12
	[48D]	[48D]	[48D]	[48A]				[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	55340	3560													23.16	23.11	-0.05
[48C]-48C	[48C]	[48C]	48C	48C				[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	48	20	55340	3560	[48]	20	55538	3579.8													23.16	23.12	-0.04
	48C	48C	[48C]	[48C]				48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	[48]	20	55340	3560	[48]	20	55538	3579.8													23.16	23.08	-0.08
[48C]-[48C]	[48C]	[48C]	[48C]	[48C]				[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	55340	3560	[48]	20	55538	3579.8													23.16	23.06	-0.1
48C-[66B]	[66B]	[66B]	48C	48C				[66]	QPSK	15	132597	1772.5	1	0	[66]	15	67061	2172.5	[66]	5	66968	2163.2	48	20	56640	3690	48	20	56442	3670.2													24.02	23.91	-0.11
[48C]-66B	66B	66B	[48C]	[48C]				66	QPSK	15	132597	1772.5	1	0	66	15	67061	2172.5	66	5	66968	2163.2	[48]	20	56640	3690	[48]	20	56442	3670.2													24.02	23.95	-0.07
[48C]-[66B]	[66B]	[66B]	[48C]	[48C]				[66]	QPSK	15	132597	1772.5	1	0	[66]	15	67061	2172.5	[66]	5	66968	2163.2	[48]	20	56640	3690	[48]	20	56442	3670.2													24.02	23.88	-0.14
48C-[66C]	[66C]	[66C]	48C	48C				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	48	20	56640	3690	48	20	56442	3670.2													24.02	23.93	-0.09
[48C]-66C	66C	66C	[48C]	[48C]				66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66838	2150.2	[48]	20	56640	3690	[48]	20	56442	3670.2													24.02	23.93	-0.09
[48C]-[66C]	[66C]	[66C]	[48C]	[48C]				[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66838	2150.2	[48]	20	56640	3690	[48]	20	56442	3670.2													24.02	24.02	0
2A-2A-5A-30A-[66A]	2A	2A	5A	30A	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	[66]	20	67036	2170									24.12	23.98	-0.14
	5A	30A	[66A]	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	30	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980									24.56	24.55	-0.01
	30A	[66A]	2A	2A	5A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5									23.01	23.01	0
	[66A]	2A	2A	5A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355									24.02	24.02	0
2A-2A-5A-[30A]-66A	2A	2A	5A	[30A]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355	66	20	67036	2170									24.12	24.07	-0.05
	5A	[30A]	66A	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[30]	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980									24.56	24.42	-0.14
	[30A]	66A	2A	2A	5A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5									23.01	22.89	-0.12
	66A	2A	2A	5A	[30A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355									24.02	23.91	-0.11
2A-2A-5A-[30A]-[66A]	2A	2A	5A	[30A]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355	[66]	20	67036	2170									24.12	23.99	-0.13
	5A	[30A]	[66A]	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[30]	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980									24.56	24.43	-0.13
	[30A]	[66A]	2A	2A	5A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5									23.01	22.91	-0.1
	[66A]	2A	2A	5A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355									24.02	24	-0.02

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configuation (BCS)	Bands							UL							DL																										LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
[2A]-2A-5A-30A-66A	[2A]	2A	5A	30A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	67036	2170											24.12	24.03	-0.09
	2A	5A	30A	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	30	10	9820	2355	66	20	67036	2170	[2]	20	1100	1980											24.12	24.02	-0.1
	5A	30A	66A	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	30	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980											24.56	24.42	-0.14
	30A	66A	[2A]	2A	5A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5											23.01	22.93	-0.08
	66A	[2A]	2A	5A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355											24.02	24	-0.02
[2A]-2A-5A-30A-[66A]	[2A]	2A	5A	30A	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	[66]	20	67036	2170											24.12	23.97	-0.15
	2A	5A	30A	[66A]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	30	10	9820	2355	[66]	20	67036	2170	[2]	20	1100	1980											24.12	24.07	-0.05
	5A	30A	[66A]	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	30	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980											24.56	24.5	-0.06
	30A	[66A]	[2A]	2A	5A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5											23.01	22.87	-0.14
	[66A]	[2A]	2A	5A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355											24.02	23.88	-0.14
[2A]-2A-5A-[30A]-66A	[2A]	2A	5A	[30A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355	66	20	67036	2170											24.12	24.02	-0.1
	2A	5A	[30A]	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	[30]	10	9820	2355	66	20	67036	2170	[2]	20	1100	1980											24.12	24.05	-0.07
	5A	[30A]	66A	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[30]	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980											24.56	24.56	0
	[30A]	66A	[2A]	2A	5A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5											23.01	22.9	-0.11
	66A	[2A]	2A	5A	[30A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355											24.02	23.89	-0.13
[2A]-2A-5A-[30A]-[66A]	[2A]	2A	5A	[30A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355	[66]	20	67036	2170											24.12	24.03	-0.09
	2A	5A	[30A]	[66A]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	1100	1980											24.12	24.08	-0.04
	5A	[30A]	[66A]	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980											24.56	24.51	-0.05
	[30A]	[66A]	[2A]	2A	5A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5											23.01	22.87	-0.14
	[66A]	[2A]	2A	5A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355											24.02	24.02	0
[2A]-[2A]-5A-30A-66A	[2A]	[2A]	5A	30A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	67036	2170											24.12	24.09	-0.03
	5A	30A	66A	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	30	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980											24.56	24.5	-0.06
	30A	66A	[2A]	[2A]	5A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5											23.01	22.87	-0.14
	66A	[2A]	[2A]	5A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	30	10	9820	2355											24.02	23.96	-0.06
[2A]-[2A]-5A-30A-[66A]	[2A]	[2A]	5A	30A	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	[66]	20	67036	2170											24.12	24	-0.12
	5A	30A	[66A]	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	30	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980											24.56	24.44	-0.12
	30A	[66A]	[2A]	[2A]	5A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5											23.01	23.01	0
	[66A]	[2A]	[2A]	5A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	30	10	9820	2355											24.02	23.95	-0.07
[2A]-[2A]-5A-[30A]-66A	[2A]	[2A]	5A	[30A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355	66	20	67036	2170											24.12	24.11	-0.01
	5A	[30A]	66A	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[30]	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980											24.56	24.41	-0.15
	[30A]	66A	[2A]	[2A]	5A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5											23.01	22.86	-0.15
	66A	[2A]	[2A]	5A	[30A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355											24.02	23.96	-0.06
[2A]-[2A]-5A-[30A]-[66A]	[2A]	[2A]	5A	[30A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355	[66]	20	67036	2170											24.12	24.06	-0.06
	5A	[30A]	[66A]	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980											24.56	24.45	-0.11
	[30A]	[66A]	[2A]	[2A]	5A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5											23.01	22.92	-0.09
	[66A]	[2A]	[2A]	5A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	[30]	10	9820	2355											24.02	24.02	0
2A-2A-5A-[66B]	2A	2A	5A	[66B]	[66B]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	15	67061	2172.5	[66]	5	66968	2163.2											24.12	24	-0.12
	5A	[66B]	[66B]	2A	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	15	67061	2172.5	[66]	5	66968	2163.2	2	20	700	1940	2	20	1100	1980											24.56	24.46	-0.1
	[66B]	[66B]	2A	2A	5A			[66]	QPSK	15	132597	1772.5	1	0	[66]	15	67061	2172.5	[66]	5	66968	2163.2	2	20	700	1940	2	20	1100	1980	5	10	2525	881.5											24.02	23.9	-0.12
[2A]-2A-5A-66B	[2A]	2A	5A	66B	66B			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	66	15	67061	2172.5	66	5	66968	2163.2											24.12	24.12	0
	2A	5A	66B	66B	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	66	15	67061	2172.5	66	5	66968	2163.2	[2]	20	1100	1980											24.12	24.08	-0.04
	5A	66B	66B	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	66	15	67061	2172.5	66	5	66968	2163.2	[2]	20	700	1940	2	20	1100	1980											24.56	24.5	-0.06
	66B	66B	[2A]	2A	5A			66	QPSK	15	132597	1772.5	1	0	66	15	67061	2172.5	66	5	66968	2163.2	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5											24.02	23.94	-0.08
[2A]-2A-5A-[66B]	[2A]	2A	5A	[66B]	[66B]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5	[66]	15	67061	2172.5	[66]	5	66968	2163.2											24.12	24.06	-0.06
	2A	5A	[66B]	[66B]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	[66]	15	67061	2172.5	[66]	5	66968	2163.2	[2]	20	1100	1980											24.12	24.08	-0.04
	5A	[66B]	[66B]	[2A]	2A			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	15	67061	2172.5	[66]	5	66968	2163.2	[2]	20	700	1940	2	20	1100	1980											24.56	24.46	-0.1
	[66B]	[66B]	[2A]	2A	5A			[66]	QPSK	15	132597	1772.5	1	0	[66]	15	67061	2172.5	[66]	5	66968	2163.2	[2]	20	700	1940	2	20	1100	1980	5	10	2525	881.5											24.02	23.94	-0.08
[2A]-[2A]-5A-66B	[2A]	[2A]	5A	66B	66B			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	66	15	67061	2172.5	66	5	66968	2163.2											24.12	24.09	-0.03
	5A	66B	66B	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	66	15	67061	2172.5	66	5	66968	2163.2	[2]	20	700	1940	[2]	20	1100	1980											24.56	24.5	-0.06
	66B	66B	[2A]	[2A]	5A			66	QPSK	15	132597	1772.5	1	0	66	15	67061	2172.5	66	5	66968	2163.2	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5											24.02	23.91	-0.11
[2A]-[2A]-5A-[66B]	[2A]	[2A]	5A	[66B]	[66B]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5	[66]	15	67061	2172.5	[66]	5	66968	2163.2											24.12	24.1	-0.02
	5A	[66B]	[66B]	[2A]	[2A]			5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[66]	15	67061	2172.5	[66]	5	66968	2163.2	[2]	20	700	1940	[2]	20	1100	1980											24.56	24.42	-0.14
	[66B]	[66B]	[2A]	[2A]	5A			[66]	QPSK	15	132597	1772.5	1	0	[66]	15	67061	2172.5	[66]	5	66968	2163.2	[2]	20	700	1940	[2]	20	1100	1980	5	10	2525	881.5											24.02	23.89	-0.13
2A-2A-12A-30A-[66A]	2A	2A	12A	30A	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170											24.12	23.97	-0.15
	12A	30A	[66A]	2A	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980											24.2	24.09	-0.11
	30A	[66A]	2A	2A	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5											23.01	22.97	-0.04
	[66A]	2A	2A	12A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355											24.02	23.98	-0.04
2A-2A-12A-[30A]-66A	2A	2A	12A	[30A]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355	66	20	67036	2170											24.12	23.97	-0.15
	12A	[30A]	66A	2A	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980											24.2	24.15	-0.05
	[30A]	66A	2A	2A	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5											23.01	22.95	-0.06
	66A	2A	2A	12A	[30A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355											24.02	23.92	-0.1
2A-2A-12A-[30A]-[66A]	2A	2A	12A	[30A]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170											24.12	24.12	0
	12A	[30A]	[66A]	2A	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980											24.2	24.2	0
	[30A]	[66A]	2A	2A	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5											23.01	22.88	-0.13
	[66A]	2A	2A	12A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355											24.02	23.96	-0.06

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configutation (BCS)	Bands							UL							DL																												LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
[2A]-2A-12A-30A-66A	[2A]	2A	12A	30A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170									24.12	23.97	-0.15
	2A	12A	30A	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170	[2]	20	700	1940									24.12	24.09	-0.03
	12A	30A	66A	[2A]	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980									24.2	24.11	-0.09
	30A	66A	[2A]	2A	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5									23.01	22.92	-0.09
	66A	[2A]	2A	12A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355									24.02	23.99	-0.03
[2A]-2A-12A-30A-[66A]	[2A]	2A	12A	30A	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170									24.12	24.06	-0.06
	2A	12A	30A	[66A]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940									24.12	24.08	-0.04
	12A	30A	[66A]	[2A]	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980									24.2	24.08	-0.12
	30A	[66A]	[2A]	2A	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5									23.01	22.87	-0.14
	[66A]	[2A]	2A	12A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355									24.02	23.97	-0.05
[2A]-2A-12A-[30A]-66A	[2A]	2A	12A	[30A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355	66	20	67036	2170									24.12	24.05	-0.07
	2A	12A	[30A]	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355	66	20	67036	2170	[2]	20	700	1940									24.12	24.02	-0.1
	12A	[30A]	66A	[2A]	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980									24.2	24.2	0
	[30A]	66A	[2A]	2A	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5									23.01	22.98	-0.03
	66A	[2A]	2A	12A	[30A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355									24.02	23.91	-0.11
[2A]-2A-12A-[30A]-[66A]	[2A]	2A	12A	[30A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170									24.12	23.98	-0.14
	2A	12A	[30A]	[66A]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940									24.12	24.01	-0.11
	12A	[30A]	[66A]	[2A]	2A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980									24.2	24.2	0
	[30A]	[66A]	[2A]	2A	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5									23.01	22.88	-0.13
	[66A]	[2A]	2A	12A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355									24.02	23.94	-0.08
[2A]-[2A]-12A-30A-66A	[2A]	[2A]	12A	30A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170									24.12	24.01	-0.11
	12A	30A	66A	[2A]	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980									24.2	24.2	0
	30A	66A	[2A]	[2A]	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5									23.01	22.92	-0.09
	66A	[2A]	[2A]	12A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	30	10	9820	2355									24.02	23.88	-0.14
[2A]-[2A]-12A-30A-[66A]	[2A]	[2A]	12A	30A	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170									24.12	24	-0.12
	12A	30A	[66A]	[2A]	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980									24.2	24.16	-0.04
	30A	[66A]	[2A]	[2A]	12A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5									23.01	22.98	-0.03
	[66A]	[2A]	[2A]	12A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	30	10	9820	2355									24.02	23.94	-0.08
[2A]-[2A]-12A-[30A]-66A	[2A]	[2A]	12A	[30A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355	66	20	67036	2170									24.12	24.01	-0.11
	12A	[30A]	66A	[2A]	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980									24.2	24.16	-0.04
	[30A]	66A	[2A]	[2A]	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5									23.01	22.95	-0.06
	66A	[2A]	[2A]	12A	[30A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355									24.02	24.02	0
[2A]-[2A]-12A-[30A]-[66A]	[2A]	[2A]	12A	[30A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170									24.12	24.02	-0.1
	12A	[30A]	[66A]	[2A]	[2A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980									24.2	24.11	-0.09
	[30A]	[66A]	[2A]	[2A]	12A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5									23.01	22.86	-0.15
	[66A]	[2A]	[2A]	12A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	12	10	5095	737.5	[30]	10	9820	2355									24.02	23.88	-0.14
2A-2A-13A-[66A]-66A	2A	2A	13A	[66A]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	13	10	5230	751	[66]	20	67036	2170	66	20	66536	2120									24.12	24.07	-0.05
	13A	[66A]	66A	2A	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980									24.87	24.79	-0.08
	[66A]	66A	2A	2A	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	2	20	1100	1980	13	10	5230	751									24.02	23.99	-0.03
	66A	2A	2A	13A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	2	20	1100	1980	13	10	5230	751	[66]	20	66536	2120									24.02	23.94	-0.08
2A-2A-13A-[66A]-[66A]	2A	2A	13A	[66A]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	13	10	5230	751	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.11	-0.01
	13A	[66A]	[66A]	2A	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	2	20	1100	1980									24.87	24.87	0
	[66A]	[66A]	2A	2A	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	2	20	1100	1980	13	10	5230	751									24.02	24.01	-0.01
[2A]-2A-13A-66A-66A	[2A]	2A	13A	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	13	10	5230	751	66	20	67036	2170	66	20	66536	2120									24.12	24.01	-0.11
	2A	13A	66A	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	66	20	67036	2170	66	20	66536	2120	[2]	20	1100	1980									24.12	23.98	-0.14
	13A	66A	66A	[2A]	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980									24.87	24.72	-0.15
	66A	66A	[2A]	2A	13A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980	13	10	5230	751									24.02	23.98	-0.04
[2A]-2A-13A-[66A]-66A	[2A]	2A	13A	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	13	10	5230	751	[66]	20	67036	2170	66	20	66536	2120									24.12	24.07	-0.05
	2A	13A	[66A]	66A	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	[66]	20	67036	2170	66	20	66536	2120	[2]	20	1100	1980									24.12	24.02	-0.1
	13A	[66A]	66A	[2A]	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980									24.87	24.79	-0.08
	[66A]	66A	[2A]	2A	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	2	20	1100	1980	13	10	5230	751									24.02	23.95	-0.07
	66A	[2A]	2A	13A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	2	20	1100	1980	13	10	5230	751	[66]	20	66536	2120									24.02	23.95	-0.07
[2A]-2A-13A-[66A]-[66A]	[2A]	2A	13A	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	2	20	1100	1980	13	10	5230	751	[66]	20	67036	2170	[66]	20	66536	2120									24.12	23.98	-0.14
	2A	13A	[66A]	[66A]	[2A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	1100	1980									24.12	24	-0.12
	13A	[66A]	[66A]	[2A]	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	2	20	1100	1980									24.87	24.73	-0.14
	[66A]	[66A]	[2A]	2A	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	2	20	1100	1980	13	10	5230	751									24.02	24	-0.02
[2A]-[2A]-13A-66A-66A	[2A]	[2A]	13A	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	13	10	5230	751	66	20	67036	2170	66	20	66536	2120									24.12	24.09	-0.03
	13A	66A	66A	[2A]	[2A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980									24.87	24.74	-0.13
	66A	66A	[2A]	[2A]	13A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980	13	10	5230	751									24.02	23.96	-0.06
[2A]-[2A]-13A-[66A]-66A	[2A]	[2A]	13A	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	13	10	5230	751	[66]	20	67036	2170	66	20	66536	2120									24.12	23.98	-0.14
	13A	[66A]	66A	[2A]	[2A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980									24.87	24.73	-0.14
	[66A]	66A	[2A]	[2A]	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980	13	10	5230	751									24.02	23.92	-0.1
	66A	[2A]	[2A]	13A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	[2]	20	1100	1980	13	10	5230	751	[66]	20	66536	2120									24.02	23.89	-0.13
[2A]-[2A]-13A-[66A]-[66A]	[2A]	[2A]	13A	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[2]	20	1100	1980	13	10	5230	751	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.03	-0.09
	13A	[66A]	[66A]	[2A]	[2A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980									24.87	24.77	-0.1
	[66A]	[66A]	[2A]	[2A]	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	[2]	20	1100	1980	13	10	5230	751									24.02	24	-0.02
2A-2A-14A-30A-[66A]	2A	2A	14A	30A	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170									24.12	24.1	-0.02
	14A	30A	[66A]	2A	2A			14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980									24.74	24.66	-0.08
	30A	[66A]	2A	2A	14A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	14	10	5330	763									23.01	22.94	-0.07
	[66A]	2A	2A	14A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	2	20	700	1940	2	20	1100	1980	14	10	5330	763	30	10	9820	2355									24.02	23.91	-0.11

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

| E-UTRA CA configuration (BCS) | Bands | | | | | | | UL | | | | | | | DL | | | | | | |

DL CA with 4x4 MIMO output power results (Continued)

| E-UTRA CA configuation (BCS) | Bands | | | | | | | UL | | | | | | | DL | | | | | | |

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configuation (BCS)	Bands							UL							DL																												LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
2A-13A-48C-[66A]	2A	13A	48C	48C	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170											24.12	24.12	0
	13A	48C	48C	[66A]	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	2	20	700	1940									24.87	24.84	-0.03
	[66A]	48C	48C	2A	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	2	20	700	1940	13	10	5230	751									24.02	24.02	0
2A-13A-[48C]-66A	2A	13A	[48C]	[48C]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	67036	2170									24.12	24.01	-0.11
	13A	[48C]	[48C]	66A	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	67036	2170	2	20	700	1940									24.87	24.87	0
	66A	[48C]	[48C]	2A	13A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	2	20	700	1940	13	10	5230	751									24.02	23.97	-0.05
2A-13A-[48C]-[66A]	2A	13A	[48C]	[48C]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170									24.12	24.05	-0.07
	13A	[48C]	[48C]	[66A]	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170	2	20	700	1940									24.87	24.86	-0.01
	[66A]	[48C]	[48C]	2A	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	2	20	700	1940	13	10	5230	751									24.02	24.01	-0.01
[2A]-13A-48C-66A	[2A]	13A	48C	48C	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	66	20	67036	2170									24.12	24.05	-0.07
	13A	48C	48C	66A	[2A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	66	20	67036	2170	[2]	20	700	1940									24.87	24.85	-0.02
	66A	48C	48C	[2A]	13A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	[2]	20	700	1940	13	10	5230	751									24.02	23.9	-0.12
[2A]-13A-48C-[66A]	[2A]	13A	48C	48C	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170									24.12	24.07	-0.05
	13A	48C	48C	[66A]	[2A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	[2]	20	700	1940									24.87	24.74	-0.13
	[66A]	48C	48C	[2A]	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	[2]	20	700	1940	13	10	5230	751									24.02	24	-0.02
[2A]-13A-[48C]-66A	[2A]	13A	[48C]	[48C]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	67036	2170									24.12	24.03	-0.09
	13A	[48C]	[48C]	66A	[2A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	67036	2170	[2]	20	700	1940									24.87	24.76	-0.11
	66A	[48C]	[48C]	[2A]	13A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[2]	20	700	1940	13	10	5230	751									24.02	23.94	-0.08
[2A]-13A-[48C]-[66A]	[2A]	13A	[48C]	[48C]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170									24.12	24.12	0
	13A	[48C]	[48C]	[66A]	[2A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170	[2]	20	700	1940									24.87	24.86	-0.01
	[66A]	[48C]	[48C]	[2A]	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[2]	20	700	1940	13	10	5230	751									24.02	23.97	-0.05
2A-13A-[48D]	2A	13A	[48D]	[48D]	[48D]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4									24.12	24.11	-0.01
	13A	[48D]	[48D]	[48D]	2A			13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	2	20	700	1940									24.87	24.77	-0.1
[2A]-13A-48D	[2A]	13A	48D	48D	48D			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4									24.12	24.08	-0.04
	13A	48D	48D	48D	[2A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	[2]	20	700	1940									24.87	24.73	-0.14
[2A]-13A-[48D]	[2A]	13A	[48D]	[48D]	[48D]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4									24.12	24.12	0
	13A	[48D]	[48D]	[48D]	[2A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[2]	20	700	1940									24.87	24.74	-0.13
2A-14A-30A-[66A]-66A	2A	14A	30A	[66A]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120									24.12	24	-0.12
	14A	30A	[66A]	66A	2A			14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940									24.74	24.64	-0.1
	30A	[66A]	66A	2A	14A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	14	10	5330	763									23.01	22.99	-0.02
	[66A]	66A	2A	14A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	14	10	5330	763	30	10	9820	2355									24.02	23.93	-0.09
	66A	2A	14A	30A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	14	10	5330	763	30	10	9820	2355	[66]	20	66536	2120									24.02	23.94	-0.08
2A-14A-30A-[66A]-[66A]	2A	14A	30A	[66A]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.01	-0.11
	14A	30A	[66A]	[66A]	2A			14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940									24.74	24.63	-0.11
	30A	[66A]	[66A]	2A	14A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	14	10	5330	763									23.01	22.92	-0.09
	[66A]	[66A]	2A	14A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	14	10	5330	763	30	10	9820	2355									24.02	23.88	-0.14
2A-14A-[30A]-66A-66A	2A	14A	[30A]	66A	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	14	10	5330	763	[30]	10	9820	2355	66	20	67036	2170	66	20	66536	2120									24.12	24.01	-0.11
	14A	[30A]	66A	66A	2A			14	QPSK	10	23330	793	1	0	14	10	5330	763	[30]	10	9820	2355	66	20	67036	2170	66	20	66536	2120	2	20	700	1940									24.74	24.72	-0.02
	[30A]	66A	66A	2A	14A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	14	10	5330	763									23.01	22.88	-0.13
	66A	66A	2A	14A	[30A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	2	20	700	1940	14	10	5330	763	[30]	10	9820	2355									24.02	23.87	-0.15
2A-14A-[30A]-[66A]-66A	2A	14A	[30A]	[66A]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	14	10	5330	763	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120									24.12	24.05	-0.07
	14A	[30A]	[66A]	66A	2A			14	QPSK	10	23330	793	1	0	14	10	5330	763	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940									24.74	24.74	0
	[30A]	[66A]	66A	2A	14A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	14	10	5330	763									23.01	22.92	-0.09
	[66A]	66A	2A	14A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940	14	10	5330	763	[30]	10	9820	2355									24.02	23.92	-0.1
	66A	2A	14A	[30A]	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	2	20	700	1940	14	10	5330	763	[30]	10	9820	2355	[66]	20	66536	2120									24.02	24	-0.02
2A-14A-[30A]-[66A]-[66A]	2A	14A	[30A]	[66A]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	14	10	5330	763	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.04	-0.08
	14A	[30A]	[66A]	[66A]	2A			14	QPSK	10	23330	793	1	0	14	10	5330	763	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940									24.74	24.59	-0.15
	[30A]	[66A]	[66A]	2A	14A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	14	10	5330	763									23.01	22.93	-0.08
	[66A]	[66A]	2A	14A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940	14	10	5330	763	[30]	10	9820	2355									24.02	23.89	-0.13
[2A]-14A-30A-66A-66A	[2A]	14A	30A	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	14	10	5330	763	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120									24.12	24.08	-0.04
	14A	30A	66A	66A	[2A]			14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940									24.74	24.67	-0.07
	30A	66A	66A	[2A]	14A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	14	10	5330	763									23.01	22.89	-0.12
	66A	66A	[2A]	14A	30A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	14	10	5330	763	30	10	9820	2355									24.02	23.99	-0.03
[2A]-14A-30A-[66A]-66A	[2A]	14A	30A	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120									24.12	24.11	-0.01
	14A	30A	[66A]	66A	[2A]			14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940									24.74	24.72	-0.02
	30A	[66A]	66A	[2A]	14A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	14	10	5330	763									23.01	22.98	-0.03
	[66A]	66A	[2A]	14A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	14	10	5330	763	30	10	9820	2355									24.02	23.9	-0.12
	66A	[2A]	14A	30A	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	14	10	5330	763	30	10	9820	2355	[66]	20	66536	2120									24.02	23.88	-0.14
[2A]-14A-30A-[66A]-[66A]	[2A]	14A	30A	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24.06	-0.06
	14A	30A	[66A]	[66A]	[2A]			14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940									24.74	24.59	-0.15
	30A	[66A]	[66A]	[2A]	14A			30	QPSK	10	27710	2310	1	25	30	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	14	10	5330	763									23.01	22.86	-0.15
	[66A]	[66A]	[2A]	14A	30A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	14	10	5330	763	30	10	9820	2355									24.02	23.9	-0.12

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configuration (BCS)	Bands							UL							DL																								LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC							PCC				SCC1				SCC2				SCC3				SCC4				SCC5				SCC6						
	1st	2nd	3rd	4th	5th	6th	7th	Band	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Allocation	RB offset	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)	Band	BW (MHz)	Channel	Freq. (MHz)			
[2A]-14A-[30A]-66A-66A	[2A]	14A	[30A]	66A	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	14	10	5330	763	[30]	10	9820	2355	66	20	67036	2170	66	20	66536	2120									24.12	24.08	-0.04
	14A	[30A]	66A	66A	[2A]			14	QPSK	10	23330	793	1	0	14	10	5330	763	[30]	10	9820	2355	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940									24.74	24.63	-0.11
	[30A]	66A	66A	[2A]	14A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	14	10	5330	763									23.01	22.92	-0.09
	66A	66A	[2A]	14A	[30A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	14	10	5330	763	[30]	10	9820	2355									24.02	24.02	0
[2A]-14A-[30A]-[66A]-66A	[2A]	14A	[30A]	[66A]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	14	10	5330	763	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120									24.12	24.02	-0.1
	14A	[30A]	[66A]	66A	[2A]			14	QPSK	10	23330	793	1	0	14	10	5330	763	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940									24.74	24.63	-0.11
	[30A]	[66A]	66A	[2A]	14A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	14	10	5330	763									23.01	22.97	-0.04
	[66A]	66A	[2A]	14A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940	14	10	5330	763	[30]	10	9820	2355									24.02	23.88	-0.14
	66A	[2A]	14A	[30A]	[66A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[2]	20	700	1940	14	10	5330	763	[30]	10	9820	2355	[66]	20	66536	2120									24.02	23.96	-0.06
[2A]-14A-[30A]-[66A]-[66A]	[2A]	14A	[30A]	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	14	10	5330	763	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120									24.12	24	-0.12
	14A	[30A]	[66A]	[66A]	[2A]			14	QPSK	10	23330	793	1	0	14	10	5330	763	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940									24.74	24.71	-0.03
	[30A]	[66A]	[66A]	[2A]	14A			[30]	QPSK	10	27710	2310	1	25	[30]	10	9820	2355	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	14	10	5330	763									23.01	22.91	-0.1
	[66A]	[66A]	[2A]	14A	[30A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940	14	10	5330	763	[30]	10	9820	2355									24.02	23.93	-0.09
2A-48A-48C-[66A]	2A	48A	48C	48C	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	[66]	20	67036	2170									24.12	24.03	-0.09
	[66A]	48A	48C	48C	2A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	2	20	700	1940									24.02	23.87	-0.15
2A-48A-[48C]-66A	2A	48A	[48C]	[48C]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	66	20	67036	2170									24.12	23.98	-0.14
	66A	48A	[48C]	[48C]	2A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	2	20	700	1940									24.02	23.9	-0.12
2A-48A-[48C]-[66A]	2A	48A	[48C]	[48C]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[66]	20	67036	2170									24.12	23.98	-0.14
	[66A]	48A	[48C]	[48C]	2A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	2	20	700	1940									24.02	23.87	-0.15
2A-[48A]-48C-66A	2A	[48A]	48C	48C	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	66	20	67036	2170									24.12	24.02	-0.1
	66A	[48A]	48C	48C	2A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	2	20	700	1940									24.02	23.93	-0.09
2A-[48A]-48C-[66A]	2A	[48A]	48C	48C	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	[66]	20	67036	2170									24.12	24	-0.12
	[66A]	[48A]	48C	48C	2A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	2	20	700	1940									24.02	23.9	-0.12
2A-[48A]-[48C]-66A	2A	[48A]	[48C]	[48C]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	66	20	67036	2170									24.12	24.04	-0.08
	66A	[48A]	[48C]	[48C]	2A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	2	20	700	1940									24.02	23.87	-0.15
2A-[48A]-[48C]-[66A]	2A	[48A]	[48C]	[48C]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[66]	20	67036	2170									24.12	24.05	-0.07
	[66A]	[48A]	[48C]	[48C]	2A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	2	20	700	1940									24.02	23.9	-0.12
[2A]-48A-48C-66A	[2A]	48A	48C	48C	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	66	20	67036	2170									24.12	23.97	-0.15
	66A	48A	48C	48C	[2A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	[2]	20	700	1940									24.02	23.94	-0.08
[2A]-48A-48C-[66A]	[2A]	48A	48C	48C	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	[66]	20	67036	2170									24.12	24	-0.12
	[66A]	48A	48C	48C	[2A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	[2]	20	700	1940									24.02	23.93	-0.09
[2A]-48A-[48C]-66A	[2A]	48A	[48C]	[48C]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	66	20	67036	2170									24.12	24.06	-0.06
	66A	48A	[48C]	[48C]	[2A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[2]	20	700	1940									24.02	24.01	-0.01
[2A]-48A-[48C]-[66A]	[2A]	48A	[48C]	[48C]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[66]	20	67036	2170									24.12	24.05	-0.07
	[66A]	48A	[48C]	[48C]	[2A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[2]	20	700	1940									24.02	23.91	-0.11
[2A]-[48A]-48C-66A	[2A]	[48A]	48C	48C	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	66	20	67036	2170									24.12	24.11	-0.01
	66A	[48A]	48C	48C	[2A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	[2]	20	700	1940									24.02	23.88	-0.14
[2A]-[48A]-48C-[66A]	[2A]	[48A]	48C	48C	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	[66]	20	67036	2170									24.12	24.1	-0.02
	[66A]	[48A]	48C	48C	[2A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	[2]	20	700	1940									24.02	23.94	-0.08
[2A]-[48A]-[48C]-66A	[2A]	[48A]	[48C]	[48C]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	55340	3560	48	20	55538	3579.8	66	20	67036	2170									24.12	24.02	-0.1
	66A	[48A]	[48C]	[48C]	[2A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560	48	20	55538	3579.8	[2]	20	700	1940									24.02	23.87	-0.15
[2A]-[48A]-[48C]-[66A]	[2A]	[48A]	[48C]	[48C]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[66]	20	67036	2170									24.12	24.02	-0.1
	[66A]	[48A]	[48C]	[48C]	[2A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[2]	20	700	1940									24.02	23.88	-0.14
2A-[48C]-48C	2A	[48C]	[48C]	48C	48C			2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8									24.12	23.99	-0.13
2A-[48C]-[48C]	2A	[48C]	[48C]	[48C]	[48C]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	55340	3560	[48]	20	55538	3579.8									24.12	24.07	-0.05
[2A]-48C-48C	[2A]	48C	48C	48C	48C			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8									24.12	23.98	-0.14
[2A]-[48C]-48C	[2A]	[48C]	[48C]	48C	48C			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8									24.12	24.03	-0.09
[2A]-[48C]-[48C]	[2A]	[48C]	[48C]	[48C]	[48C]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	55340	3560	[48]	20	55538	3579.8									24.12	24.04	-0.08
[2A]-[48C]-[66A]-[66A]	[2A]	[48C]	[48C]	[66A]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170	[66]	20	66536	2120									24.12	23.98	-0.14
	[66A]	[66A]	[48C]	[48C]	[2A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[48]	20	55340	3560	[48]	20	55538	3579.8	[2]	20	700	1940									24.02	24.01	-0.01
2A-48D-[66A]	2A	48D	48D	48D	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	[66]	20	67036	2170									24.12	24.04	-0.08
	[66A]	48D	48D	48D	2A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	2	20	700	1940									24.02	24.02	0
2A-[48D]-66A	2A	[48D]	[48D]	[48D]	66A			2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	66	20	67036	2170									24.12	24.06	-0.06
	66A	[48D]	[48D]	[48D]	2A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	2	20	700	1940									24.02	23.89	-0.13
2A-[48D]-[66A]	2A	[48D]	[48D]	[48D]	[66A]			2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[66]	20	67036	2170									24.12	24.04	-0.08
	[66A]	[48D]	[48D]	[48D]	2A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	2	20	700	1940									24.02	23.88	-0.14
[2A]-48D-66A	[2A]	48D	48D	48D	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	66	20	67036	2170									24.12	24	-0.12
	66A	48D	48D	48D	[2A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	[2]	20	700	1940									24.02	23.96	-0.06
[2A]-48D-[66A]	[2A]	48D	48D	48D	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	[66]	20	67036	2170									24.12	24.06	-0.06
	[66A]	48D	48D	48D	[2A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	[2]	20	700	1940									24.02	23.95	-0.07
[2A]-[48D]-66A	[2A]	[48D]	[48D]	[48D]	66A			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	66	20	67036	2170									24.12	24.03	-0.09
	66A	[48D]	[48D]	[48D]	[2A]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[2]	20	700	1940									24.02	23.98	-0.04

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configutation (BCS)	Bands PCC 1st	Bands SCC1 2nd	Bands SCC2 3rd	Bands SCC3 4th	Bands SCC4 5th	Bands SCC5 6th	Bands SCC6 7th	UL PCC Band	UL PCC Mode	UL PCC BW (MHz)	UL PCC Channel	UL PCC Freq. (MHz)	UL PCC RB Allocation	UL PCC RB offset	DL PCC Band	DL PCC BW (MHz)	DL PCC Channel	DL PCC Freq. (MHz)	DL SCC1 Band	DL SCC1 BW (MHz)	DL SCC1 Channel	DL SCC1 Freq. (MHz)	DL SCC2 Band	DL SCC2 BW (MHz)	DL SCC2 Channel	DL SCC2 Freq. (MHz)	DL SCC3 Band	DL SCC3 BW (MHz)	DL SCC3 Channel	DL SCC3 Freq. (MHz)	DL SCC4 Band	DL SCC4 BW (MHz)	DL SCC4 Channel	DL SCC4 Freq. (MHz)	DL SCC5 Band	DL SCC5 BW (MHz)	DL SCC5 Channel	DL SCC5 Freq. (MHz)	DL SCC6 Band	DL SCC6 BW (MHz)	DL SCC6 Channel	DL SCC6 Freq. (MHz)	LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
[2A]-[48D]-[66A]	[2A]	[48D]	[48D]	[48D]	[66A]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[66]	20	67036	2170									24.12	23.97	-0.15
	[66A]	[48D]	[48D]	[48D]	[2A]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[2]	20	700	1940									24.02	23.89	-0.13
[2A]-[48E]	[2A]	[48E]	[48E]	[48E]	[48E]			[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	56046	3630.6									24.12	24.11	-0.01
4A-[48E]	4A	[48E]	[48E]	[48E]	[48E]			4	QPSK	20	20175	1732.5	1	0	4	20	2175	2132.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	56046	3630.6									23.79	23.68	-0.11
[4A]-48E	[4A]	48E	48E	48E	48E			[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56046	3630.6	48	20	56046	3630.6									23.79	23.77	-0.02
[4A]-[48E]	[4A]	[48E]	[48E]	[48E]	[48E]			[4]	QPSK	20	20175	1732.5	1	0	[4]	20	2175	2132.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56046	3630.6	[48]	20	56046	3630.6									23.79	23.79	0
13A-48D-[66A]	13A	48D	48D	48D	[66A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	[66]	20	67036	2170									24.87	24.74	-0.13
	[66A]	48D	48D	48D	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	13	10	5230	751									24.02	23.98	-0.04
13A-[48D]-66A	13A	[48D]	[48D]	[48D]	66A			13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	66	20	67036	2170									24.87	24.77	-0.1
	66A	[48D]	[48D]	[48D]	13A			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	13	10	5230	751									24.02	23.96	-0.06
13A-[48D]-[66A]	13A	[48D]	[48D]	[48D]	[66A]			13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[66]	20	67036	2170									24.87	24.79	-0.08
	[66A]	[48D]	[48D]	[48D]	13A			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	13	10	5230	751									24.02	23.87	-0.15
48C-48C-[66A]	[66A]	48C	48C	48C	48C			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8									24.02	23.94	-0.08
[48C]-48C-66A	66A	[48C]	[48C]	48C	48C			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8									24.02	23.87	-0.15
[48C]-48C-[66A]	[66A]	[48C]	[48C]	48C	48C			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8									24.02	24.02	0
[48C]-[48C]-66A	66A	[48C]	[48C]	[48C]	[48C]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	55340	3560	[48]	20	55538	3579.8									24.02	23.99	-0.03
[48C]-[48C]-[66A]	[66A]	[48C]	[48C]	[48C]	[48C]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	55340	3560	[48]	20	55538	3579.8									24.02	24.01	-0.01
48A-48D-[66A]	[66A]	48A	48D	48D	48D			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6									24.02	23.88	-0.14
48A-[48D]-66A	66A	48A	[48D]	[48D]	[48D]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6									24.02	23.92	-0.1
48A-[48D]-[66A]	[66A]	48A	[48D]	[48D]	[48D]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6									24.02	23.91	-0.11
[48A]-48D-66A	66A	[48A]	48D	48D	48D			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6									24.02	23.87	-0.15
[48A]-48D-[66A]	[66A]	[48A]	48D	48D	48D			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6									24.02	23.9	-0.12
[48A]-[48D]-66A	66A	[48A]	[48D]	[48D]	[48D]			66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6									24.02	23.98	-0.04
[48A]-[48D]-[66A]	[66A]	[48A]	[48D]	[48D]	[48D]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6									24.02	23.92	-0.1
48A-[48E]	48A	[48E]	[48E]	[48E]	[48E]			48	QPSK	20	56640	3690	1	0	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6	[48]	20	55934	3619.4									23.16	23.13	-0.03
	[48E]	[48E]	[48E]	[48E]	48A			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	56046	3630.6	48	20	55340	3560									23.16	23.16	0
[48A]-48E	[48A]	48E	48E	48E	48E			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6	48	20	55934	3619.4									23.16	23.12	-0.04
	48E	48E	48E	48E	[48A]			48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	[48]	20	55340	3560									23.16	23.13	-0.03
[48A]-[48E]	[48A]	[48E]	[48E]	[48E]	[48E]			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6	[48]	20	55934	3619.4									23.16	23.11	-0.05
	[48E]	[48E]	[48E]	[48E]	[48A]			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	56046	3630.6	[48]	20	55340	3560									23.16	23.15	-0.01
48C-[48D]	48C	48C	[48D]	[48D]	[48D]			48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6									23.16	23.15	-0.01
	[48D]	[48D]	[48D]	48C	48C			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	48	20	55340	3560	48	20	55538	3579.8									23.16	23.15	-0.01
[48C]-48D	[48C]	[48C]	48D	48D	48D			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6									23.16	23.16	0
	48D	48D	48D	[48C]	[48C]			48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	[48]	20	55340	3560	[48]	20	55538	3579.8									23.16	23.1	-0.06
[48C]-[48D]	[48C]	[48C]	[48D]	[48D]	[48D]			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	55340	3560	[48]	20	55538	3579.8	[48]	20	55736	3599.6									23.16	23.08	-0.08
	[48D]	[48D]	[48D]	[48C]	[48C]			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	55340	3560	[48]	20	55538	3579.8									23.16	23.07	-0.09
[48E]-[66A]	[66A]	[48E]	[48E]	[48E]	[48E]			[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	56046	3630.6									24.02	23.98	-0.04
2A-5A-48C-[66A]-66A	2A	5A	48C	48C	[66A]	66A		2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	66	20	66536	2120					24.12	24.02	-0.1
	5A	48C	48C	[66A]	66A	2A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940					24.56	24.54	-0.02
	[66A]	48C	48C	66A	2A	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	66	20	66536	2120	2	20	700	1940	5	10	2525	881.5					24.02	23.95	-0.07
	66A	48C	48C	2A	5A	[66A]		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	2	20	700	1940	5	10	2525	881.5	[66]	20	66536	2120					24.02	23.94	-0.08
2A-5A-48C-[66A]-[66A]	2A	5A	48C	48C	[66A]	[66A]		2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	[66]	20	66536	2120					24.12	24.07	-0.05
	5A	48C	48C	[66A]	[66A]	2A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940					24.56	24.49	-0.07
	[66A]	[66A]	48C	48C	2A	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	48	20	56640	3690	48	20	56442	3670.2	2	20	700	1940	5	10	2525	881.5					24.02	23.94	-0.08
2A-5A-[48C]-66A-66A	2A	5A	[48C]	[48C]	66A	66A		2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	67036	2170	66	20	66536	2120					24.12	24.11	-0.01
	5A	[48C]	[48C]	66A	66A	2A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	67036	2170	66	20	66536	2120	2	20	700	1940					24.56	24.51	-0.05
	66A	66A	[48C]	[48C]	2A	5A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[48]	20	56640	3690	[48]	20	56442	3670.2	2	20	700	1940	5	10	2525	881.5					24.02	23.93	-0.09
2A-5A-[48C]-[66A]-66A	2A	5A	[48C]	[48C]	[66A]	66A		2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170	66	20	66536	2120					24.12	24.12	0
	5A	[48C]	[48C]	[66A]	66A	2A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170	66	20	66536	2120	2	20	700	1940					24.56	24.43	-0.13
	[66A]	[48C]	[48C]	66A	2A	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	66536	2120	2	20	700	1940	5	10	2525	881.5					24.02	23.96	-0.06
	66A	[48C]	[48C]	2A	5A	[66A]		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	2	20	700	1940	5	10	2525	881.5	[66]	20	66536	2120					24.02	23.94	-0.08
2A-5A-[48C]-[66A]-[66A]	2A	5A	[48C]	[48C]	[66A]	[66A]		2	QPSK	20	18700	1860	1	49	2	20	700	1940	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170	[66]	20	66536	2120					24.12	24.05	-0.07
	5A	[48C]	[48C]	[66A]	[66A]	2A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170	[66]	20	66536	2120	2	20	700	1940					24.56	24.5	-0.06
	[66A]	[66A]	[48C]	[48C]	2A	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	[48]	20	56640	3690	[48]	20	56442	3670.2	2	20	700	1940	5	10	2525	881.5					24.02	23.91	-0.11
[2A]-5A-48C-66A-66A	[2A]	5A	48C	48C	66A	66A		[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	66	20	67036	2170	66	20	66536	2120					24.12	24	-0.12
	5A	48C	48C	66A	66A	[2A]		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940					24.56	24.56	0
	66A	66A	48C	48C	[2A]	5A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	48	20	56640	3690	48	20	56442	3670.2	[2]	20	700	1940	5	10	2525	881.5					24.02	23.96	-0.06
[2A]-5A-48C-[66A]-66A	[2A]	5A	48C	48C	[66A]	66A		[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	66	20	66536	2120					24.12	24.09	-0.03
	5A	48C	48C	[66A]	66A	[2A]		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940					24.56	24.43	-0.13
	[66A]	48C	48C	66A	[2A]	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	66	20	66536	2120	[2]	20	700	1940	5	10	2525	881.5					24.02	23.97	-0.05
	66A	48C	48C	[2A]	5A	[66A]		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	[2]	20	700	1940	5	10	2525	881.5	[66]	20	66536	2120					24.02	23.93	-0.09

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

DL CA with 4x4 MIMO output power results (Continued)

E-UTRA CA configutation (BCS)	Bands PCC 1st	Bands SCC1 2nd	Bands SCC2 3rd	Bands SCC3 4th	Bands SCC4 5th	Bands SCC5 6th	Bands SCC6 7th	UL PCC Band	UL PCC Mode	UL PCC BW (MHz)	UL PCC Channel	UL PCC Freq. (MHz)	UL PCC RB Allocation	UL PCC RB offset	DL PCC Band	DL PCC BW (MHz)	DL PCC Channel	DL PCC Freq. (MHz)	DL SCC1 Band	DL SCC1 BW (MHz)	DL SCC1 Channel	DL SCC1 Freq. (MHz)	DL SCC2 Band	DL SCC2 BW (MHz)	DL SCC2 Channel	DL SCC2 Freq. (MHz)	DL SCC3 Band	DL SCC3 BW (MHz)	DL SCC3 Channel	DL SCC3 Freq. (MHz)	DL SCC4 Band	DL SCC4 BW (MHz)	DL SCC4 Channel	DL SCC4 Freq. (MHz)	DL SCC5 Band	DL SCC5 BW (MHz)	DL SCC5 Channel	DL SCC5 Freq. (MHz)	DL SCC6 Band	DL SCC6 BW (MHz)	DL SCC6 Channel	DL SCC6 Freq. (MHz)	LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
[2A]-5A-48C-[66A]-[66A]	[2A]	5A	48C	48C	[66A]	[66A]		[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	[66]	20	66536	2120					24.12	24.08	-0.04
	5A	48C	48C	[66A]	[66A]	[2A]		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	[66]	20	66536	2120	[2]	20	700	1940					24.56	24.55	-0.01
	[66A]	[66A]	48C	48C	[2A]	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	48	20	56640	3690	48	20	56442	3670.2	[2]	20	700	1940	5	10	2525	881.5					24.02	24.02	0
[2A]-5A-[48C]-66A-66A	[2A]	5A	[48C]	[48C]	66A	66A		[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	67036	2170	66	20	66536	2120					24.12	24.08	-0.04
	5A	[48C]	[48C]	66A	66A	[2A]		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	67036	2170	66	20	66536	2120	[2]	20	700	1940					24.56	24.54	-0.02
	66A	66A	[48C]	[48C]	[2A]	5A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[48]	20	56640	3690	[48]	20	56442	3670.2	[2]	20	700	1940	5	10	2525	881.5					24.02	23.88	-0.14
[2A]-5A-[48C]-[66A]-66A	[2A]	5A	[48C]	[48C]	[66A]	66A		[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170	66	20	66536	2120					24.12	24.04	-0.08
	5A	[48C]	[48C]	[66A]	66A	[2A]		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[66]	20	67036	2170	66	20	66536	2120	[2]	20	700	1940					24.56	24.48	-0.08
	[66A]	[48C]	[48C]	66A	[2A]	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	66536	2120	[2]	20	700	1940	5	10	2525	881.5					24.02	23.91	-0.11
	66A	[48C]	[48C]	[2A]	5A	[66A]		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[2]	20	700	1940	5	10	2525	881.5	[66]	20	66536	2120					24.02	23.98	-0.04
2A-48E-[66A]	2A	48E	48E	48E	48E	[66A]		2	QPSK	20	18700	1860	1	49	2	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	[66]	20	67036	2170					24.12	24.03	-0.09
	[66A]	48E	48E	48E	48E	2A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	2	20	700	1940					24.02	23.99	-0.03
2A-[48E]-66A	2A	[48E]	[48E]	[48E]	[48E]	66A		2	QPSK	20	18700	1860	1	49	2	20	700	1940	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	56046	3630.6	66	20	67036	2170					24.12	23.98	-0.14
	66A	[48E]	[48E]	[48E]	[48E]	2A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	56046	3630.6	2	20	700	1940					24.02	23.99	-0.03
[2A]-48E-66A	[2A]	48E	48E	48E	48E	66A		[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	66	20	67036	2170					24.12	24.01	-0.11
	66A	48E	48E	48E	48E	[2A]		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	[2]	20	700	1940					24.02	24.02	0
[2A]-48E-[66A]	[2A]	48E	48E	48E	48E	[66A]		[2]	QPSK	20	18700	1860	1	49	[2]	20	700	1940	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	[66]	20	67036	2170					24.12	24.06	-0.06
	[66A]	48E	48E	48E	48E	[2A]		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	[2]	20	700	1940					24.02	24.01	-0.01
5A-48D-[66A]-66A	5A	48D	48D	48D	[66A]	66A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	[66]	20	67036	2170	66	20	66536	2120					24.56	24.54	-0.02
	[66A]	48D	48D	48D	66A	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	66	20	67036	2170	5	10	2525	881.5					24.02	23.94	-0.08
	66A	48D	48D	48D	5A	[66A]		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	5	10	2525	881.5	[66]	20	66536	2120					24.02	23.97	-0.05
5A-48D-[66A]-[66A]	5A	48D	48D	48D	[66A]	[66A]		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	[66]	20	67036	2170	[66]	20	66536	2120					24.56	24.55	-0.01
	[66A]	[66A]	48D	48D	48D	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[66]	20	66536	2120	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	5	10	2525	881.5					24.02	23.98	-0.04
5A-[48D]-66A-66A	5A	[48D]	[48D]	[48D]	66A	66A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	66	20	67036	2170	66	20	66536	2120					24.56	24.41	-0.15
	66A	66A	[48D]	[48D]	[48D]	5A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	66	20	66536	2120	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	5	10	2525	881.5					24.02	23.96	-0.06
5A-[48D]-[66A]-66A	5A	[48D]	[48D]	[48D]	[66A]	66A		5	QPSK	10	20525	836.5	1	25	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[66]	20	67036	2170	66	20	66536	2120					24.56	24.43	-0.13
	[66A]	[48D]	[48D]	[48D]	66A	5A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	66	20	67036	2170	5	10	2525	881.5					24.02	23.94	-0.08
	66A	[48D]	[48D]	[48D]	5A	[66A]		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	5	10	2525	881.5	[66]	20	66536	2120					24.02	24.02	0
13A-48E-[66A]	13A	48E	48E	48E	48E	[66A]		13	QPSK	10	23230	782	1	25	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	[66]	20	67036	2170					24.87	24.83	-0.04
	[66A]	48E	48E	48E	48E	13A		[66]	QPSK	20	132572	1770	1	0	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	13	10	5230	751					24.02	23.96	-0.06
13A-[48E]-66A	13A	[48E]	[48E]	[48E]	[48E]	66A		13	QPSK	10	23230	782	1	25	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	56046	3630.6	66	20	67036	2170					24.87	24.78	-0.09
	66A	[48E]	[48E]	[48E]	[48E]	13A		66	QPSK	20	132572	1770	1	0	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4	[48]	20	56046	3630.6	13	10	5230	751					24.02	24.01	-0.01

Note:

1. Per KDB 941225 D05A LTE Rel. 10 KDB Inquiry Sheet: SAR is excluded for Carrier Aggregation when measured power does not exceed LTE Release 8 by more than a 1/4 dB.
2. When the same frequency band is used for both contiguous and non-contiguous in DL CA Intra band, power was measured using the configuration with the largest aggregated bandwidth and maximum output power among the contiguous and non-contiguous in DL CA Intra band configurations.

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