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			
	(1)	Band 2			Yes	Yes			20
		Band 5			Yes	Yes			
2A-7A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 7			Yes	Yes	Yes	Yes	
2A-12A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes	Yes	Yes	
	(1)	Band 2			Yes	Yes			20
		Band 12			Yes	Yes			
	(2)	Band 2			Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes	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	30
		Band 13			Yes	Yes			
2A-14A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 14			Yes	Yes			
2A-29A	(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	30
		Band 2			Yes	Yes			
2A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 30			Yes	Yes			
2A-48A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 48			Yes	Yes	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			
	(1)	Band 4			Yes	Yes	Yes	Yes	30
		Band 5			Yes	Yes			
4A-7A	(0)	Band 4			Yes	Yes			30
		Band 7			Yes	Yes	Yes	Yes	
	(1)	Band 4			Yes	Yes	Yes	Yes	40
		Band 7			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-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-7A	(0)	Band 2	2A-2A BCS 0						60
		Band 7			Yes	Yes	Yes	Yes	
2A-2A-12A	(0)	Band 2	2A-2A BCS 0						60
		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-14A	(0)	Band 2	2A-2A BCS 0						50
		Band 14			Yes	Yes			
2A-2A-29A	(0)	Band 2	2A-2A BCS 0						50
		Band 29			Yes	Yes			
2A-2A-30A	(0)	Band 2	2A-2A BCS 0						50
		Band 30			Yes	Yes			
2A-2A-66A	(0)	Band 2	2A-2A BCS 0						60
		Band 66			Yes	Yes	Yes	Yes	
2C-66A	(0)	Band 2	2C 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-7A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 4			Yes	Yes	Yes	Yes	
		Band 7			Yes	Yes	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-13A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 4			Yes	Yes	Yes	Yes	
		Band 13				Yes			
2A-4A-29A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 4			Yes	Yes	Yes	Yes	
		Band 29			Yes	Yes			
2A-4A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 4			Yes	Yes	Yes	Yes	
		Band 30			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-7A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 5			Yes	Yes			
		Band 7				Yes	Yes	Yes	
2A-5A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 5			Yes	Yes			
		Band 30			Yes	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-5A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 5			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-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-7A	(0)	Band 2	2A-2A BCS 0						70
		Band 5			Yes	Yes			
		Band 7				Yes	Yes	Yes	
2A-2A-5A-30A	(0)	Band 2	2A-2A BCS 0						60
		Band 5			Yes	Yes			
		Band 30			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-7A-7A	(0)	Band 2	2A-2A BCS 0						80
		Band 7	7A-7A BCS 1						
2A-2A-7C	(0)	Band 2	2A-2A BCS 0						80
		Band 7	7C BCS 1						
2A-2A-7A-12A	(0)	Band 2	2A-2A BCS 0						70
		Band 7			Yes	Yes	Yes	Yes	
		Band 12			Yes	Yes			
2A-2A-7A-13A	(0)	Band 2	2A-2A BCS 0						70
		Band 7			Yes	Yes	Yes	Yes	
		Band 13			Yes	Yes			
2A-2A-7A-66A	(0)	Band 2	2A-2A BCS 0						80
		Band 7			Yes	Yes	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-12A-30A	(0)	Band 2	2A-2A BCS 0						60
		Band 12			Yes	Yes			
		Band 30			Yes	Yes			
2A-2A-12A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 12			Yes	Yes			
		Band 30			Yes	Yes	Yes	Yes	
2A-2A-13A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 13			Yes	Yes			
		Band 30			Yes	Yes	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	

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-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			
4A-29A	(0)	Band 4			Yes	Yes			20
		Band 29		Yes	Yes	Yes			
	(1)	Band 4			Yes	Yes			20
		Band 29			Yes	Yes			
	(2)	Band 4			Yes	Yes	Yes	Yes	30
		Band 29			Yes	Yes			
4A-30A	(0)	Band 4			Yes	Yes	Yes	Yes	30
		Band 30			Yes	Yes			
4A-48A	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 48			Yes	Yes	Yes	Yes	
4A-71A	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 71			Yes	Yes	Yes	Yes	
5A-7A	(0)	Band 5	Yes	Yes	Yes	Yes			30
		Band 7				Yes	Yes	Yes	
	(1)	Band 5			Yes	Yes			30
		Band 7				Yes	Yes	Yes	
5A-25A	(0)	Band 5			Yes	Yes			30
		Band 25			Yes	Yes	Yes	Yes	
5A-30A	(0)	Band 5			Yes	Yes			20
		Band 30			Yes	Yes			
5A-38A	(0)	Band 5			Yes	Yes			30
		Band 38			Yes	Yes	Yes	Yes	
5A-48A	(0)	Band 5			Yes	Yes			30
		Band 48			Yes	Yes	Yes	Yes	
5A-66A	(0)	Band 5			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
7A-12A	(0)	Band 7			Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
7A-13A	(0)	Band 7			Yes	Yes	Yes	Yes	30
		Band 13			Yes	Yes			
7A-25A	(0)	Band 7			Yes	Yes	Yes	Yes	40
		Band 25	Yes	Yes	Yes	Yes	Yes	Yes	
7A-29A	(0)	Band 7			Yes	Yes	Yes	Yes	30
		Band 29			Yes	Yes			
7A-66A	(0)	Band 7			Yes	Yes	Yes	Yes	40
		Band 66			Yes	Yes	Yes	Yes	
12A-25A	(0)	Band 12			Yes	Yes			30
		Band 25			Yes	Yes	Yes	Yes	
12A-30A	(0)	Band 12			Yes	Yes			30
		Band 30			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-7A-7A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 7	7A-7A BCS 1						
2A-7C	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 7	7C BCS 1						
2A-7A-12A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 7			Yes	Yes	Yes	Yes	
		Band 12			Yes	Yes			
2A-7A-13A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 7			Yes	Yes	Yes	Yes	
		Band 13			Yes	Yes			
2A-7A-29A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 7				Yes	Yes	Yes	
		Band 29			Yes	Yes			
2A-7A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 7			Yes	Yes	Yes	Yes	
		Band 66			Yes	Yes	Yes	Yes	
2A-12B	(0)	Band 2			Yes	Yes	Yes	Yes	35
		Band 12	12B BCS 0						
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-13A-48A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 13			Yes	Yes			
		Band 46			Yes	Yes	Yes	Yes	
2A-13A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 13			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-14A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 13			Yes	Yes			
		Band 66			Yes	Yes			
2A-14A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 14			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-48A-48A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 48	48A-48A BCS 0						
2A-48C	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 48	48C 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-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 66	66A-66A BCS 0						
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-66A-66A	(0)	Band 2	2A-2A BCS 0						80
		Band 66	66A-66A BCS 0						
2A-2A-66B	(0)	Band 2	2A-2A BCS 0						60
		Band 66	66B BCS 0						
2A-2A-66C	(0)	Band 2	2A-2A BCS 0						80
		Band 66	66C BCS 0						
2C-66A-66A	(0)	Band 2	2C 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-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-5A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 4			Yes	Yes	Yes	Yes	
		Band 5			Yes	Yes			
		Band 30			Yes	Yes			
2A-4A-7A-7A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 4			Yes	Yes	Yes	Yes	
		Band 7	7A-7A BCS 1						
2A-4A-7C	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 4			Yes	Yes	Yes	Yes	
		Band 7	7C BCS 1						
2A-4A-7A-12A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 4			Yes	Yes	Yes	Yes	
		Band 7			Yes	Yes	Yes	Yes	
		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-4A-12A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 4			Yes	Yes	Yes	Yes	
		Band 12			Yes	Yes			
		Band 30			Yes	Yes			
2A-4A-29A-30A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 4			Yes	Yes	Yes	Yes	
		Band 29			Yes	Yes			
		Band 30			Yes	Yes			
2A-5A-7A-7A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 7	7A-7A BCS 1						
2A-5A-7C	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 7	7C BCS 1						
2A-5A-7A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 7			Yes	Yes	Yes	Yes	
		Band 66			Yes	Yes	Yes	Yes	
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	

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	
12A-48A	(0)	Band 12			Yes	Yes			30
		Band 48			Yes	Yes	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-48A	(0)	Band 13			Yes	Yes			30
		Band 48			Yes	Yes	Yes	Yes	
13A-66A	(0)	Band 13			Yes	Yes			30
		Band 66			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-26A	(0)	Band 25		Yes	Yes	Yes	Yes	Yes	35
		Band 26	Yes	Yes	Yes	Yes	Yes		
	(1)	Band 25		Yes	Yes	Yes			20
		Band 26		Yes	Yes	Yes			
	(2)	Band 25			Yes	Yes			20
		Band 26			Yes	Yes			
25A-41A	(0)	Band 25			Yes	Yes	Yes	Yes	40
		Band 41			Yes	Yes	Yes	Yes	
25A-66A	(0)	Band 25			Yes	Yes	Yes	Yes	40
		Band 66			Yes	Yes	Yes	Yes	
26A-41A	(0)	Band 26			Yes	Yes	Yes		35
		Band 41			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	
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	
66A-71A	(0)	Band 66			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						
2A-66A-71A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 66			Yes	Yes	Yes	Yes	
		Band 71			Yes	Yes	Yes	Yes	
4A-4A-5A	(0)	Band 4	4A-4A BCS 0						50
		Band 5			Yes	Yes			
4A-4A-7A	(0)	Band 4	4A-4A BCS 1						40
		Band 5			Yes	Yes			
	(1)	Band 4	4A-4A BCS 0						60
		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 12				Yes			
4A-4A-29A	(0)	Band 4	4A-4A BCS 0						50
		Band 12			Yes	Yes			
4A-4A-71A	(0)	Band 4	4A-4A BCS 0						50
		Band 71			Yes	Yes	Yes	Yes	
4A-5A-30A	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 5			Yes	Yes			
		Band 30			Yes	Yes			
4A-7A-7A	(0)	Band 4			Yes	Yes	Yes	Yes	60
		Band 7	7A-7A BCS 1						
4A-7C	(0)	Band 4			Yes	Yes	Yes	Yes	60
		Band 7	7C BCS 1						
4A-7A-12A	(0)	Band 4			Yes	Yes			40
		Band 7			Yes	Yes	Yes	Yes	
		Band 12			Yes	Yes			
4A-12B	(0)	Band 4			Yes	Yes	Yes	Yes	35
		Band 12	12B BCS 0						
4A-12A-30A	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 12			Yes	Yes			
		Band 30			Yes	Yes			
4A-29A-30A	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 29			Yes	Yes			
		Band 30			Yes	Yes			
4A-48C	(0)	Band 4			Yes	Yes	Yes	Yes	60
		Band 48	48C BCS 0						
5A-7A-7A	(0)	Band 5			Yes	Yes			50
		Band 7	7A-7A BCS 3						
5A-7C	(0)	Band 5			Yes	Yes			50
		Band 7	7C BCS 1						
5A-7A-66A	(0)	Band 5			Yes	Yes			50
		Band 7				Yes	Yes	Yes	
		Band 66			Yes	Yes	Yes	Yes	
5A-30A-66A	(0)	Band 5			Yes	Yes			40
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
5A-48C	(0)	Band 5			Yes	Yes			50
		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-66A-66A	(0)	Band 5			Yes	Yes			50
		Band 66	66A-66A BCS 0						
5A-66B	(0)	Band 5			Yes	Yes			30
		Band 66	66B BCS 0						
5A-66C	(0)	Band 5			Yes	Yes			50
		Band 66	66C 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-5A-48C	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 48	48C 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-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-5A-66B	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 5			Yes	Yes			
		Band 66	66B BCS 0						
2A-5A-66C	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 66	66C BCS 0						
2A-7A-7A-13A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 7	7A-7A BCS 1						
		Band 13			Yes	Yes			
2A-7C-13A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 7	7C BCS 1						
		Band 13			Yes	Yes			
2A-7A-7A-29A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 7	7A-7A BCS 1						
		Band 13			Yes	Yes			
2A-7C-29A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 7	7C BCS 1						
		Band 29			Yes	Yes			
2A-7A-7A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 7	7C BCS 1						
		Band 66			Yes	Yes	Yes	Yes	
2A-7C-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 7	7C BCS 1						
		Band 66			Yes	Yes	Yes	Yes	
2A-7A-12B	(0)	Band 2			Yes	Yes	Yes	Yes	55
		Band 7			Yes	Yes	Yes	Yes	
		Band 12	12B BCS 0						
2A-7A-12A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 7			Yes	Yes	Yes	Yes	
		Band 12			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-7A-13A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 7			Yes	Yes	Yes	Yes	
		Band 13			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-7A-29A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 7				Yes	Yes	Yes	
		Band 29			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-7A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 7			Yes	Yes	Yes	Yes	
		Band 66	66A-66A BCS 0						
2A-12B-66A	(0)	Band 2			Yes	Yes	Yes	Yes	55
		Band 12	12B BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
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	

LTE Downlink Carrier Aggregation configurations (Continued)

2. DL Inter Band(3CC)

E-UTRA CA configuration	Bandw idth Combination Set	E-UTRA Band	Bandw idth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
7A-7A-13A	(0)	Band 7	7A-7A BCS 1						50
		Band 13			Yes	Yes			
7C-13A	(0)	Band 7	7C BCS 1						50
		Band 13			Yes	Yes			
7C-25A	(0)	Band 7	7C BCS 1						60
		Band 25	Yes	Yes	Yes	Yes	Yes	Yes	
7A-7A-29A	(0)	Band 7	7A-7A BCS 1						50
		Band 29			Yes	Yes			
7C-29A	(0)	Band 7	7C BCS 2						50
		Band 29			Yes	Yes			
7A-7A-66A	(0)	Band 7	7A-7A BCS 1						60
		Band 66			Yes	Yes	Yes	Yes	
7C-66A	(0)	Band 7	7C BCS 1						60
		Band 66			Yes	Yes	Yes	Yes	
7A-12B	(0)	Band 7			Yes	Yes	Yes	Yes	35
		Band 12	12B BCS 0						
7A-12A-66A	(0)	Band 7			Yes	Yes	Yes	Yes	50
		Band 12			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
7A-13A-66A	(0)	Band 7			Yes	Yes	Yes	Yes	50
		Band 13			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
7A-25A-25A	(0)	Band 7			Yes	Yes	Yes	Yes	60
		Band 25	25A-25A BCS 1						
7A-25A-66A	(0)	Band 7			Yes	Yes	Yes	Yes	60
		Band 25			Yes	Yes	Yes	Yes	
		Band 66	Yes	Yes	Yes	Yes	Yes	Yes	
7A-29A-66A	(0)	Band 7			Yes	Yes	Yes	Yes	50
		Band 29			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
7A-66A-66A	(0)	Band 7			Yes	Yes	Yes	Yes	60
		Band 66	66A-66A BCS 0						
12B-66A	(0)	Band 12	12B BCS 0						35
		Band 66			Yes	Yes	Yes	Yes	
12A-30A-66A	(0)	Band 12			Yes	Yes			40
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
12A-48C	(0)	Band 12			Yes	Yes			50
		Band 48	48C BCS 0						
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						
13A-48C	(0)	Band 13			Yes	Yes			50
		Band 48	48C BCS 0						
13A-48A-66A	(0)	Band 13			Yes	Yes			50
		Band 48			Yes	Yes	Yes	Yes	
		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						
14A-30A-66A	(0)	Band 14			Yes	Yes			40
		Band 30			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
14A-66A-66A	(0)	Band 13			Yes	Yes			50
		Band 66	66A-66A BCS 0						

2. DL Inter Band(3CC)

E-UTRA CA configuration	Bandw idth Combination Set	E-UTRA Band	Bandw idth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
25A-25A-26A	(0)	Band 25	25A-25A BCS 1						45
		Band 26		Yes	Yes				
25A-25A-66A	(0)	Band 25	25A-25A BCS 1						60
		Band 66	Yes	Yes	Yes	Yes	Yes	Yes	
25A-25A-41A	(0)	Band 25	25A-25A BCS 1						60
		Band 41			Yes	Yes	Yes	Yes	
25A-26A-41A	(0)	Band 25		Yes	Yes	Yes	Yes	Yes	55
		Band 26	Yes	Yes	Yes	Yes	Yes		
		Band 41			Yes	Yes	Yes	Yes	
25A-41C	(0)	Band 25			Yes	Yes	Yes	Yes	60
		Band 41	41C BCS 1						
26A-41C	(0)	Band 26			Yes	Yes	Yes		55
		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						
30A-66A-66A	(0)	Band 30			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	
48C-71A	(0)	Band 48	48C 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						
48C-66A	(0)	Band 48	48C BCS 0						60
		Band 66			Yes	Yes	Yes	Yes	
66A-66A-71A	(0)	Band 66	66A-66A BCS 0						60
		Band 71	Yes		Yes	Yes	Yes	Yes	
66C-71A	(0)	Band 66	66C BCS 0						60
		Band 71	Yes		Yes	Yes	Yes	Yes	

3. DL Inter Band(4CC)

E-UTRA CA configuration	Bandw idth Combination Set	E-UTRA Band	Bandw idth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
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						
2A-13A-48C	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 13			Yes	Yes			
		Band 48	48C 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	
2A-13A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 13			Yes	Yes			
		Band 66	66A-66A 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-30A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-48A-48C	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 48	48A-48C BCS 0						
2A-48D	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 48	48D 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-48C-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 48	48C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
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-66A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 66	66A-66A-66A BCS 0						
2A-66A-66B	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 66	66A-66B 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	

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	
2A-66C-71A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 66	66C BCS 0						
		Band 71			Yes	Yes	Yes	Yes	
4A-4A-12B	(0)	Band 4	4A-4A BCS 0						55
		Band 12	12B BCS 0						
4A-48D	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 48	48D BCS 0						
5A-5A-66A-66A	(0)	Band 5	5A-5A BCS 0						60
		Band 66	66A-66A BCS 0						
5A-5A-66B	(0)	Band 5	5A-5A BCS 0						40
		Band 66	66B BCS 0						
5A-5A-66C	(0)	Band 5	5A-5A BCS 0						60
		Band 66	66C BCS 0						
5A-7A-7A-66A	(0)	Band 5			Yes	Yes			70
		Band 7	7A-7A BCS 1						
		Band 66			Yes	Yes	Yes	Yes	
5A-7C-66A	(0)	Band 5			Yes	Yes			70
		Band 7	7C BCS 1						
		Band 66			Yes	Yes	Yes	Yes	
5A-7A-66A-66A	(0)	Band 5			Yes	Yes			70
		Band 7				Yes	Yes	Yes	
		Band 66	66A-66A BCS 0						
5A-30A-66A-66A	(0)	Band 5			Yes	Yes			60
		Band 30			Yes	Yes			
		Band 66	66A-66A BCS 0						
5A-48D	(0)	Band 5			Yes	Yes			70
		Band 48	48D 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-48A-66A-66A	(0)	Band 5			Yes	Yes			70
		Band 48			Yes	Yes	Yes	Yes	
		Band 66	66A-66A BCS 0						
7A-7A-13A-66A	(0)	Band 7	7A-7A BCS 1						70
		Band 13			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
7C-13A-66A	(0)	Band 7	7C BCS 1						70
		Band 13			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
7A-7A-25A-25A	(0)	Band 7	7A-7A BCS 1						80
		Band 25	25A-25A BCS 1						
7C-25A-25A	(0)	Band 7	7C BCS 1						80
		Band 25	25A-25A BCS 1						
7A-7A-25A-66A	(0)	Band 7	7A-7A BCS 1						80
		Band 25	Yes	Yes	Yes	Yes	Yes	Yes	
		Band 66	Yes	Yes	Yes	Yes	Yes	Yes	
7C-25A-66A	(0)	Band 7	7C BCS 1						80
		Band 25	Yes	Yes	Yes	Yes	Yes	Yes	
		Band 66	Yes	Yes	Yes	Yes	Yes	Yes	
7A-7A-29A-66A	(0)	Band 7	7A-7A BCS 1						70
		Band 29			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
7C-29A-66A	(0)	Band 7	7C BCS 2						70
		Band 29			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
7A-7A-66A-66A	(0)	Band 7	7A-7A BCS 1						80
		Band 66	66A-66A BCS 0						

LTE Uplink / Downlink Carrier Aggregation Intra-band configurations

4. 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
5A-5A	(0)	Band 5	5, 10	5, 10			20
	(1)	Band 5	3	5			8
7A-7A	(0)	Band 7	5	15			40
			10	10, 15			40
			15	15, 20			40
			20	20			40
	(1)	Band 7	5, 10, 15, 20	5, 10, 15, 20			40
	(2)	Band 7	5, 10, 15, 20	5, 10			30
	(3)	Band 7	10, 15, 20	10, 15, 20			40
25A-25A	(0)	Band 25	5, 10	5, 10			20
	(1)	Band 25	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
66A-66A	(0)	Band 66	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			60
48A-48A	(0)	Band 48	5, 10, 15, 20	5, 10, 15, 20			40
48C-48C	(0)	Band 48	48C BCS 0	48C BCS 0			80
48A-48C	(0)	Band 48	5, 10, 15, 20	48C BCS 0			60
			48C BCS 0	5, 10, 15, 20			60
66A-66A-66A	(0)	Band 66	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		60
66A-66B	(0)	Band 66	5, 10, 15, 20	66B BCS 0			40
			66B BCS 0	5, 10, 15, 20			40
66A-66C	(0)	Band 66	5, 10, 15, 20	66C BCS 0			60
			66C BCS 0	5, 10, 15, 20			60
41A-41D	(0)	Band 41	5, 10, 15, 20	41D BCS 0			80
			41D BCS 0	5, 10, 15, 20			80
41C-41C	(0)	Band 41	41C BCS 0	41C BCS 0			80
48A-48D	(0)	Band 48	5, 10, 15, 20	48D BCS 0			80
			48D BCS 0	5, 10, 15, 20			80

5. DL Intra Band(contiguous)

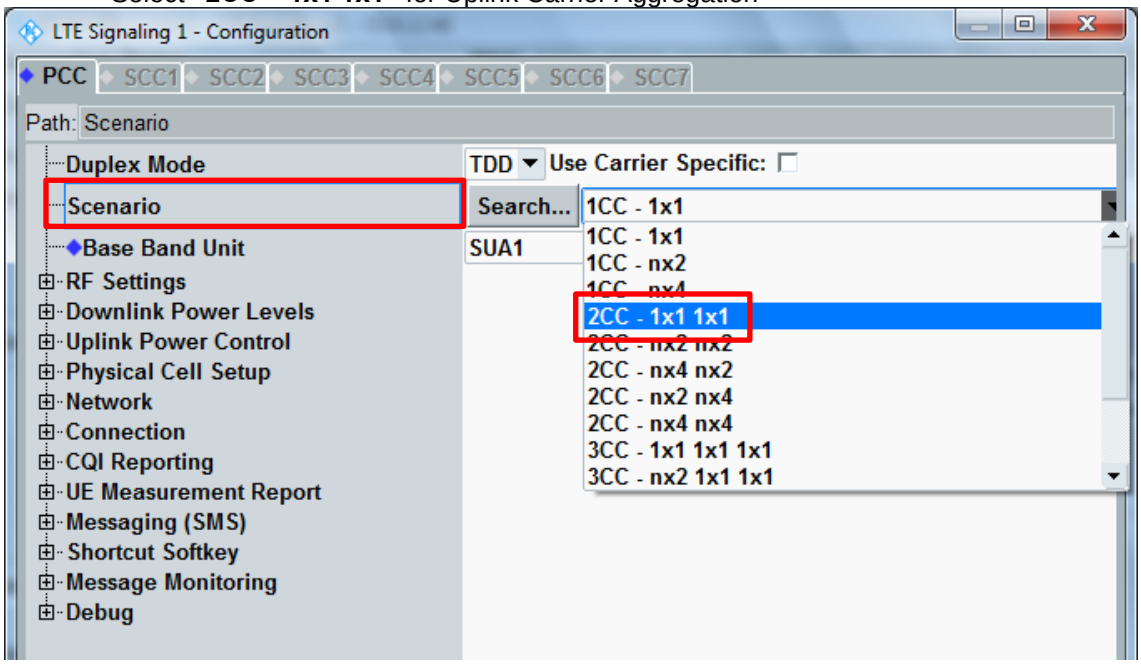
E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Allowed Channel BW Per Carrier (MHz)					Max Aggregated BW
			1st Carrier	2nd Carrier	3rd Carrier	4th Carrier	5th Carrier	
2C	(0)	Band 2	5	20				40
			10	15,20				
			15	10,15,20				
			20	5,10,15,20				
7C	(0)	Band 7	15	15				40
			20	20				
	(1)	Band 7	10	20				40
			15	15, 20				
			20	10,15,20				
	(2)	Band 7	15	10,15				40
			20	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				
41E	(0)	Band 41	15,20	15,20	15,20	20		80
48B	(0)	Band 48	10	10				20
48C	(0)	Band 48	5, 10, 15, 20	20				40
			20	5, 10, 15				
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		
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				
66D	(0)	Band 66	5	20	20			60
			20	15, 20	30			
			20	10, 15, 20	5			
			10	20	15			
			15	15, 20	10			
			10,15,20	5, 10, 15, 20	20			
			15,20	15, 20	20			
			15	10, 15, 20	15			
			20	10, 15, 20	10,15			
			20	20	15			

Note:

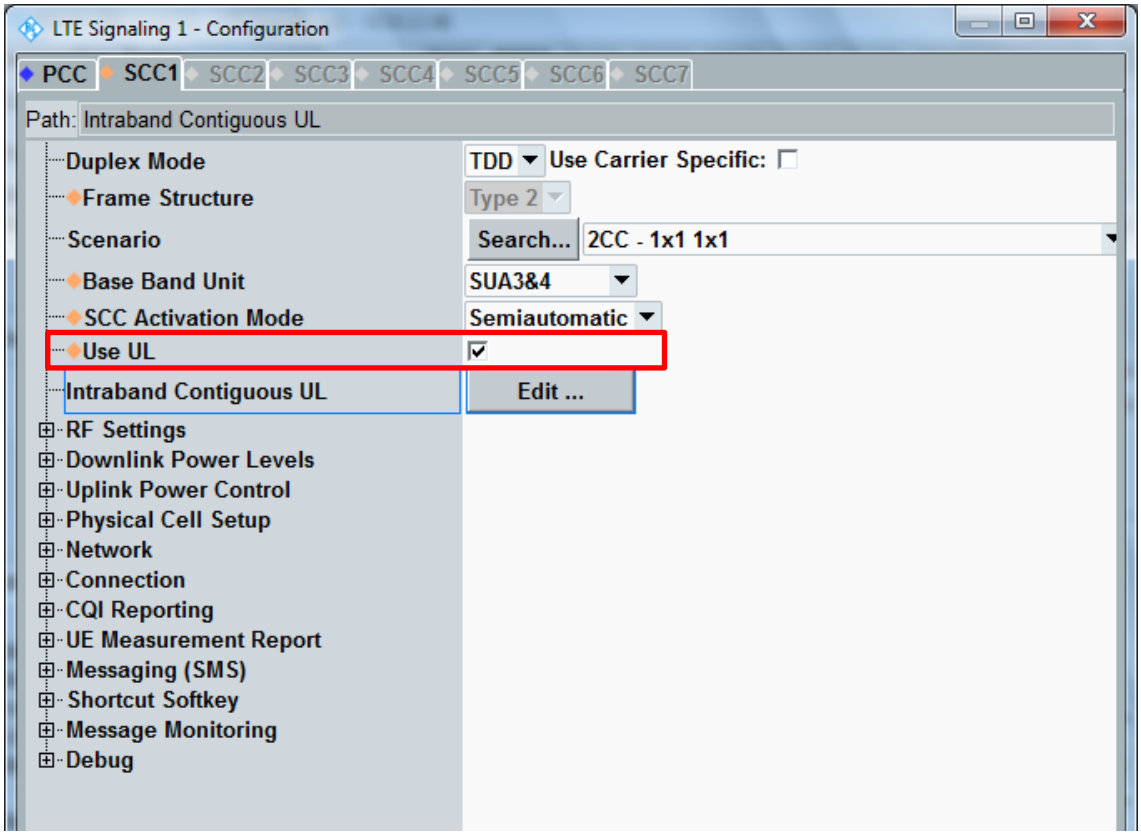
LTE CA_41C, 48C are supported in both Uplink and Downlink, other CA configurations are supported only Downlink

LTE Uplink Carrier Aggregation – Output Power measurement procedures

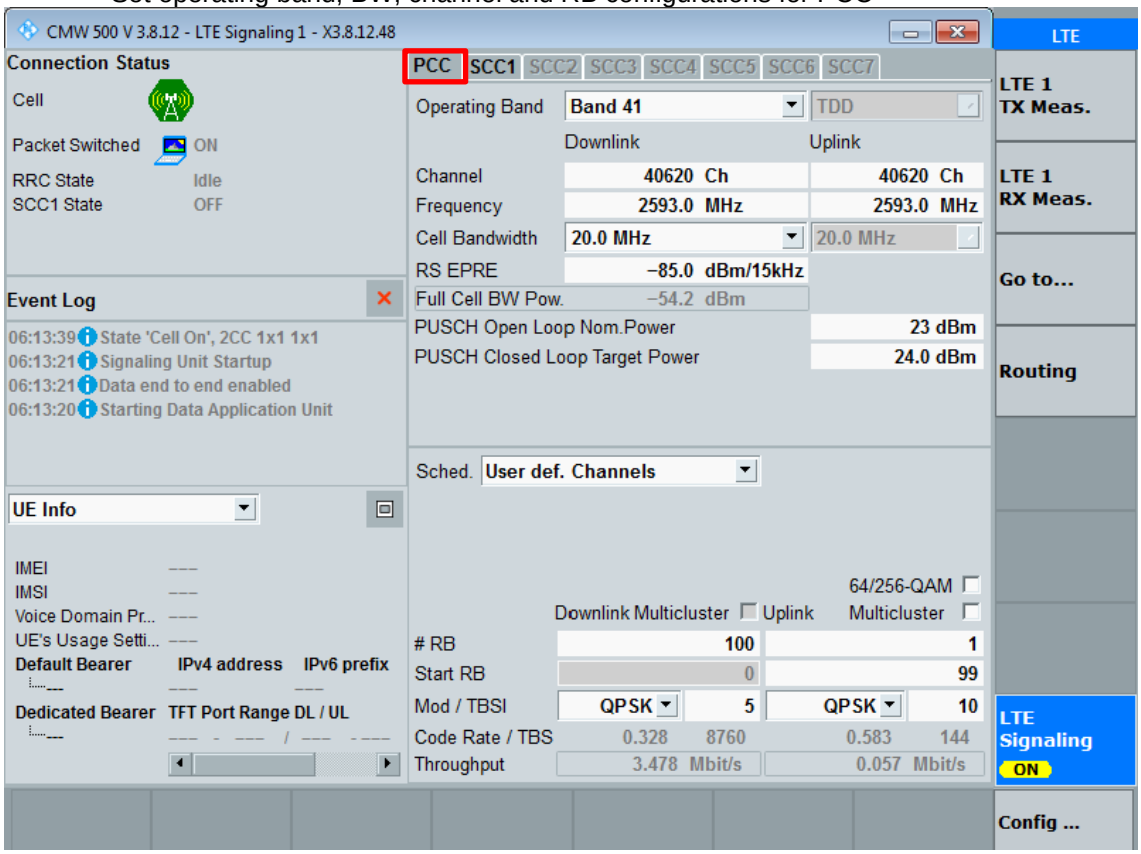
- Change the Scenario in the Configuration of LTE Signaling
  Select **"2CC – 1x1 1x1"** for Uplink Carrier Aggregation



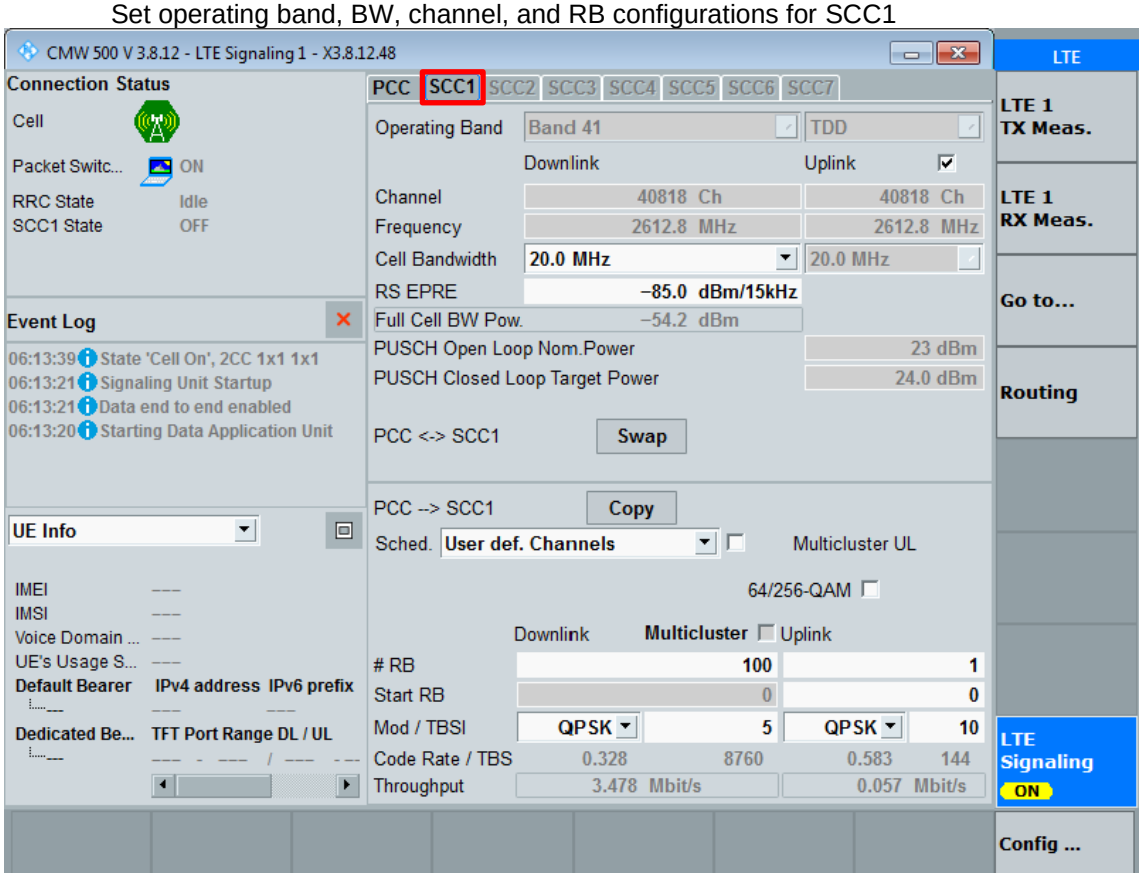
- Check the box next to the **"Use UL"**



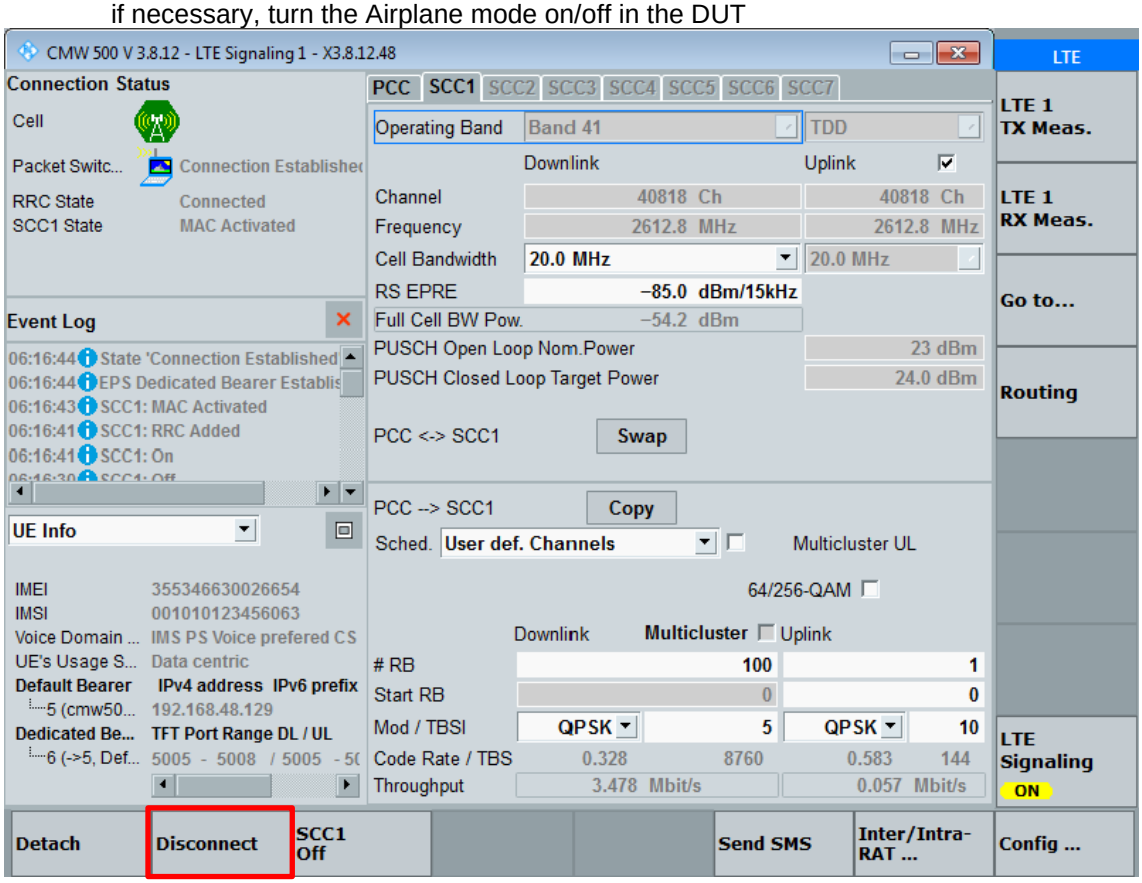
- Back to the LTE Signal screen, and then select the PCC tab,
  Set operating band, BW, channel and RB configurations for PCC



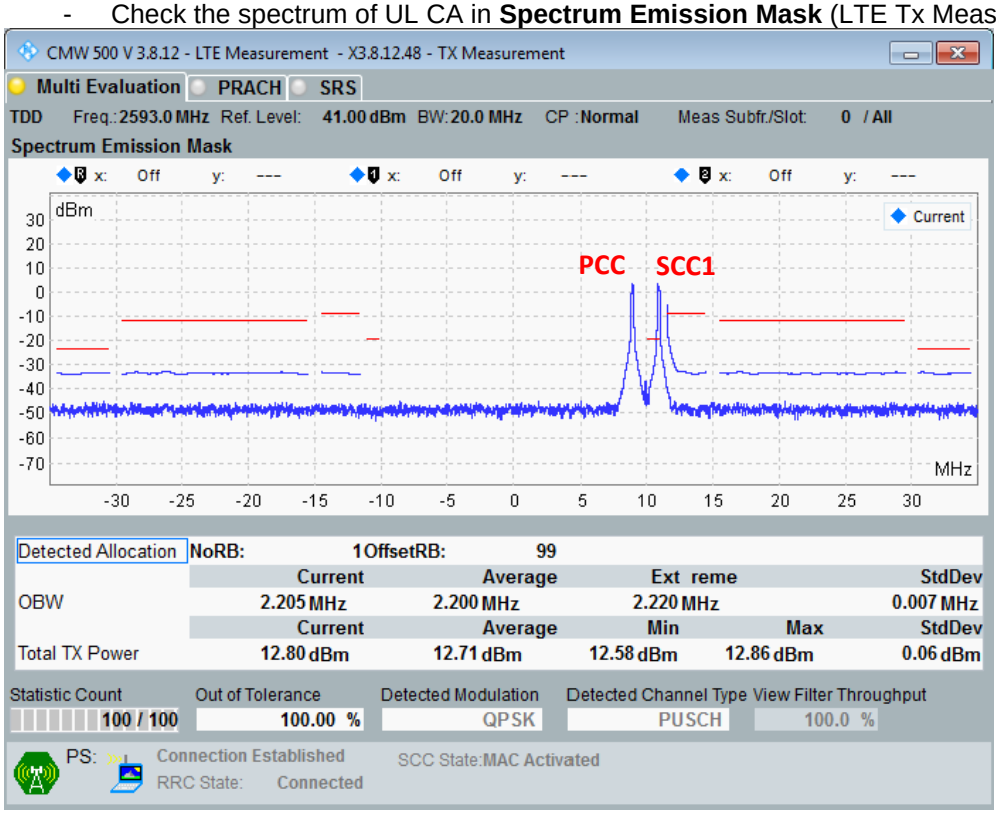
- Select the SCC1 tab,
  Set operating band, BW, channel, and RB configurations for SCC1



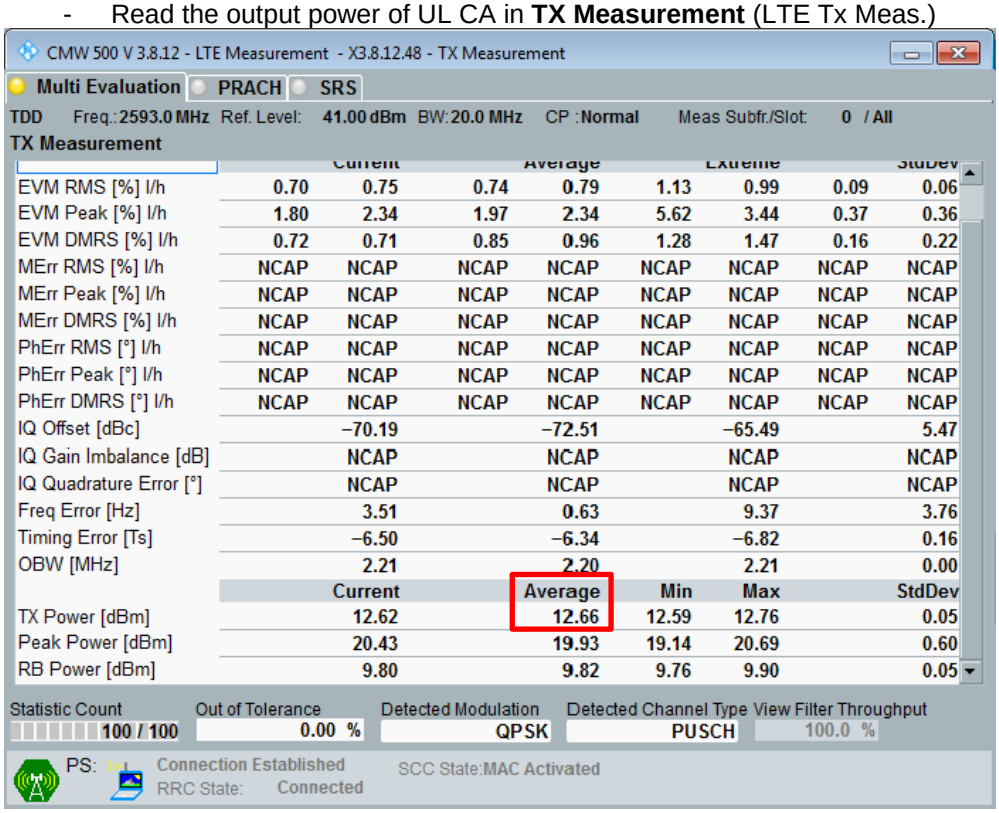
- Click the **“Connect”** button at the bottom of the screen,
  if necessary, turn the Airplane mode on/off in the DUT



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

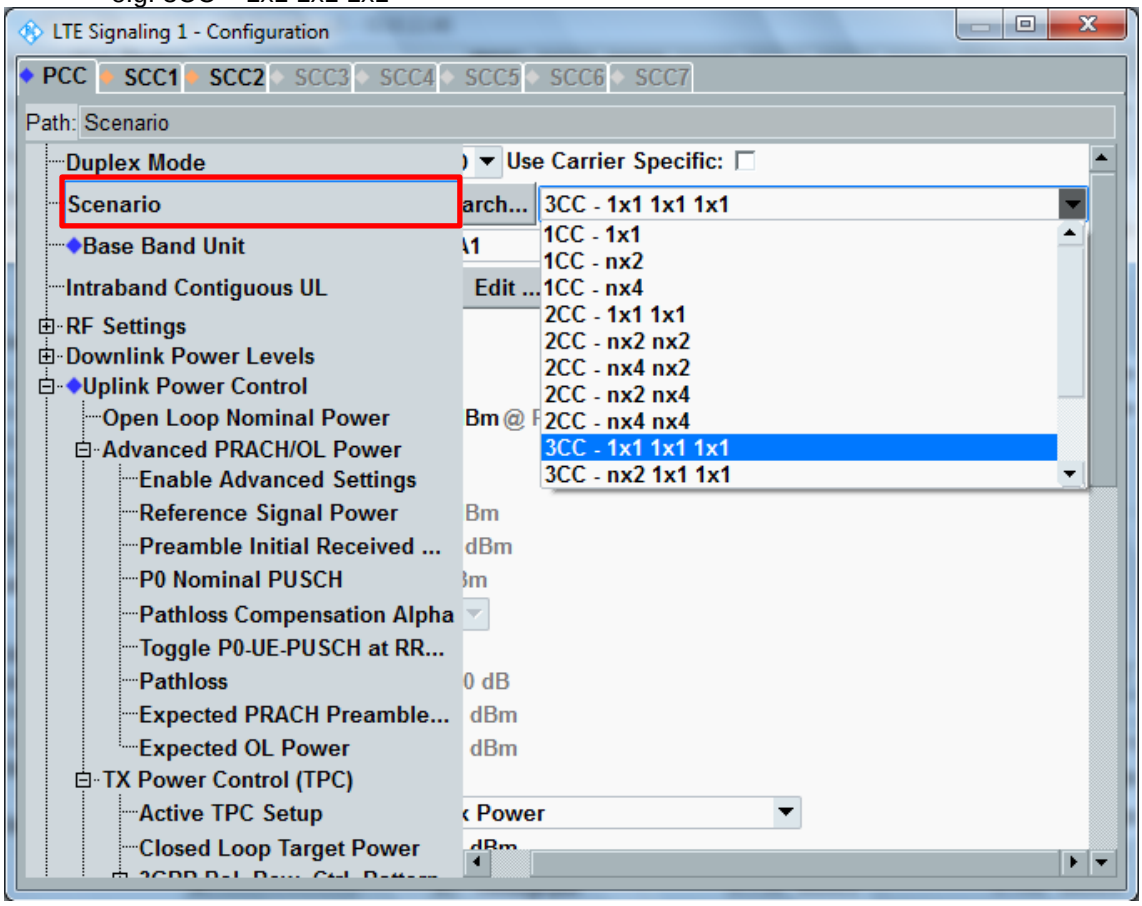


- Read the output power of UL CA in **TX Measurement** (LTE Tx Meas.)



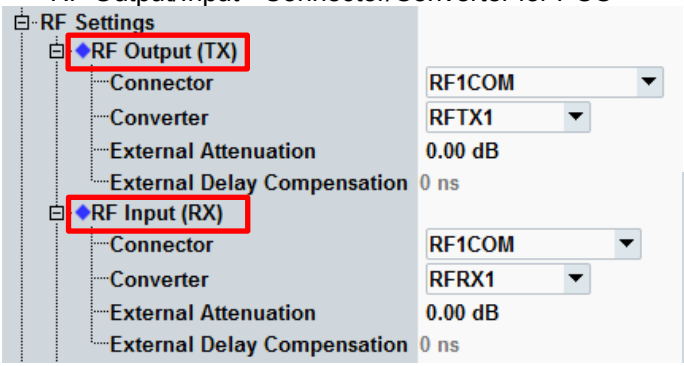
LTE Downlink Carrier Aggregation - Output Power measurement procedures

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

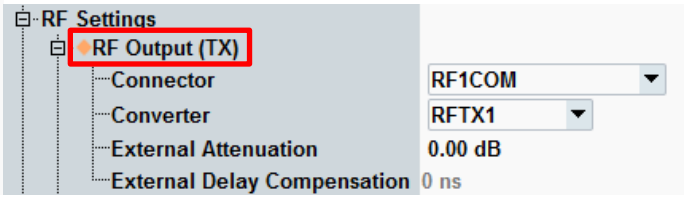


- Set the RF Output/Input Connector and Converter for PCC/SCC1/SCC2 in each tab.

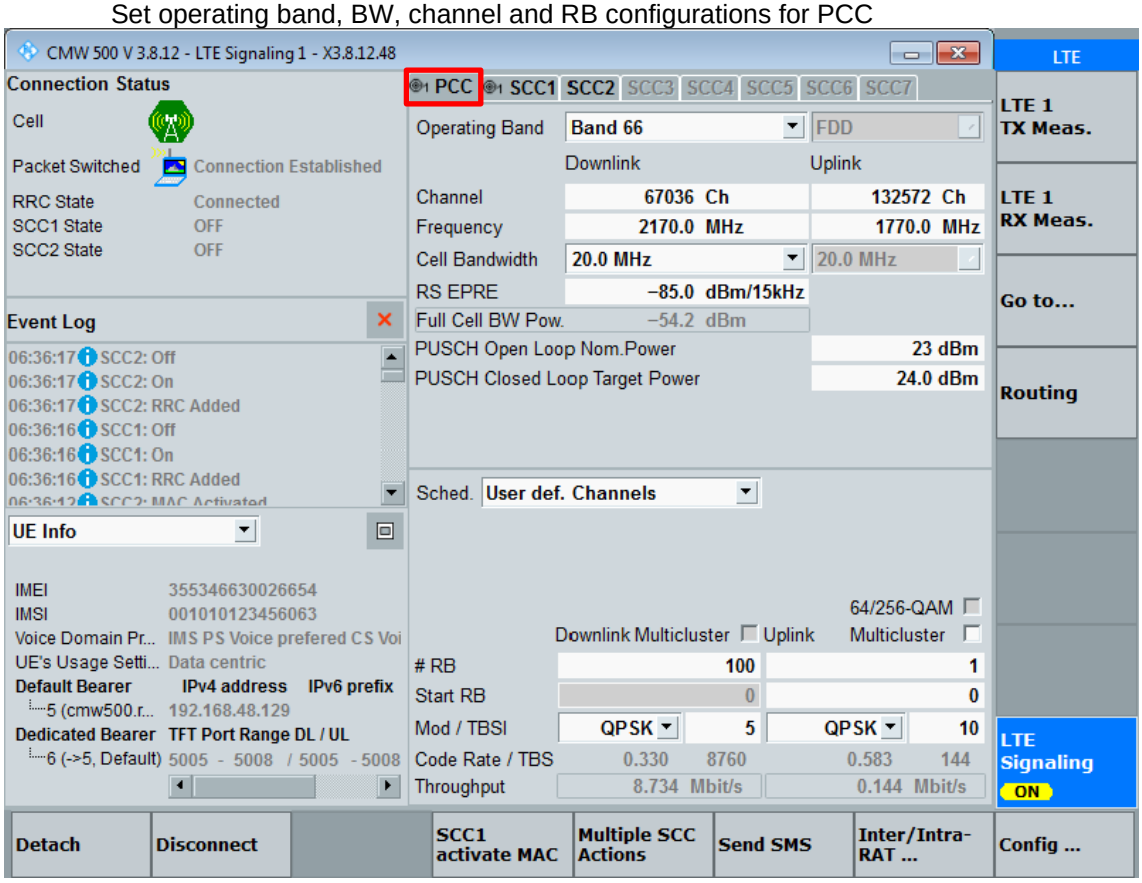
<RF Output/Input - Connector/Converter for PCC>



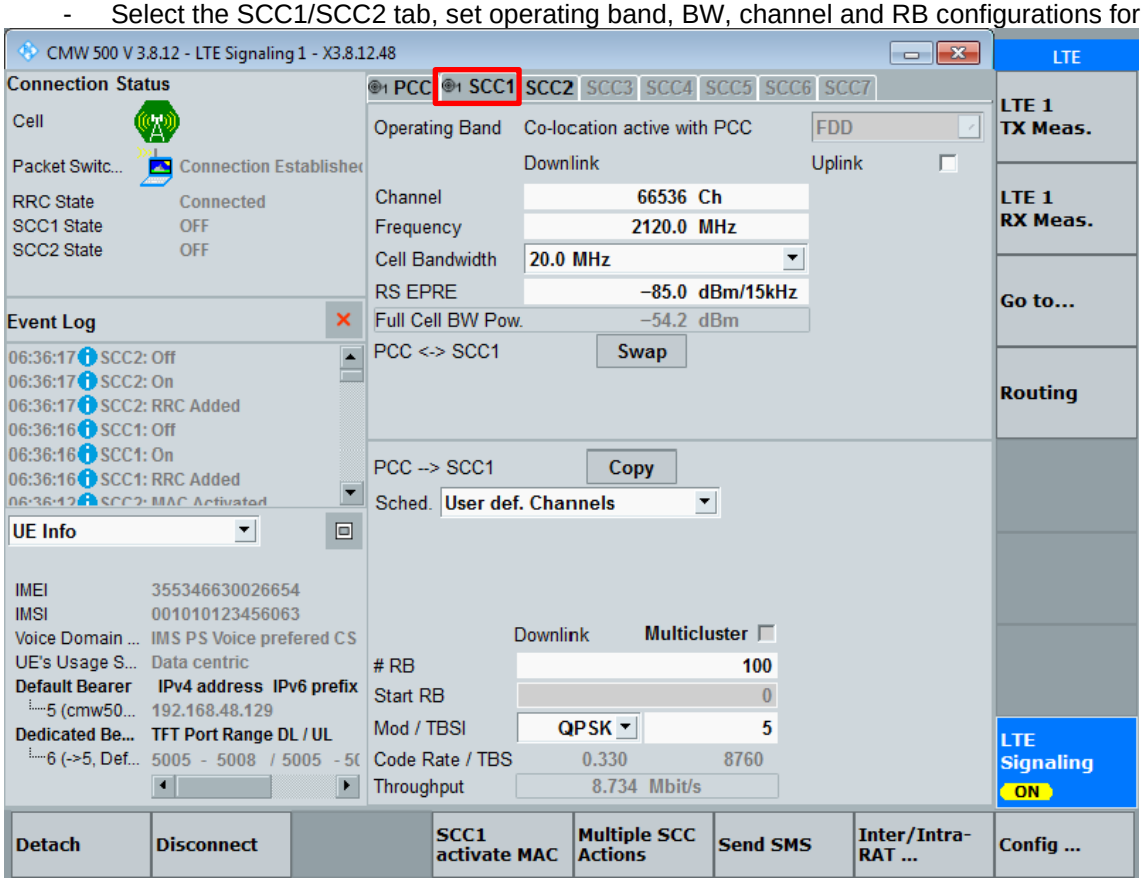
<RF Output – Connector/Converter for SCC1/SCC2>

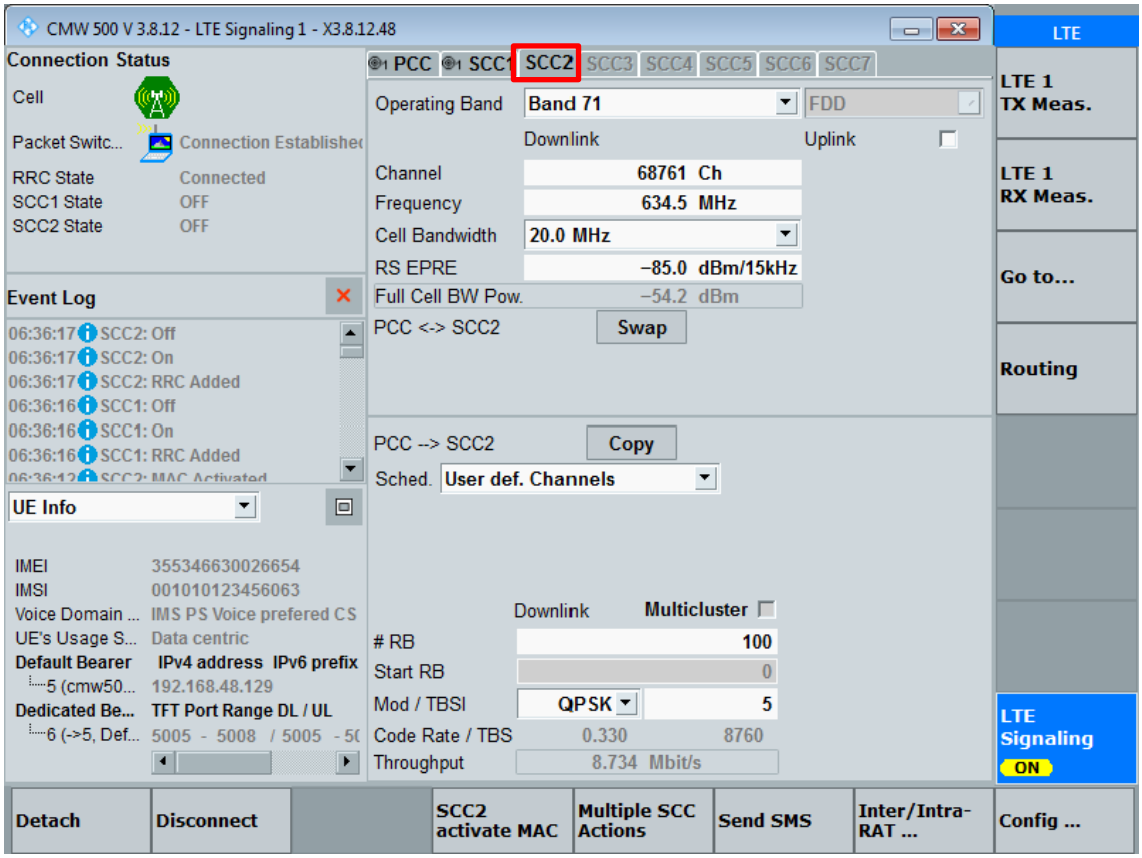


- Back to the LTE Signal screen, and then select the PCC tab,
  Set operating band, BW, channel and RB configurations for PCC

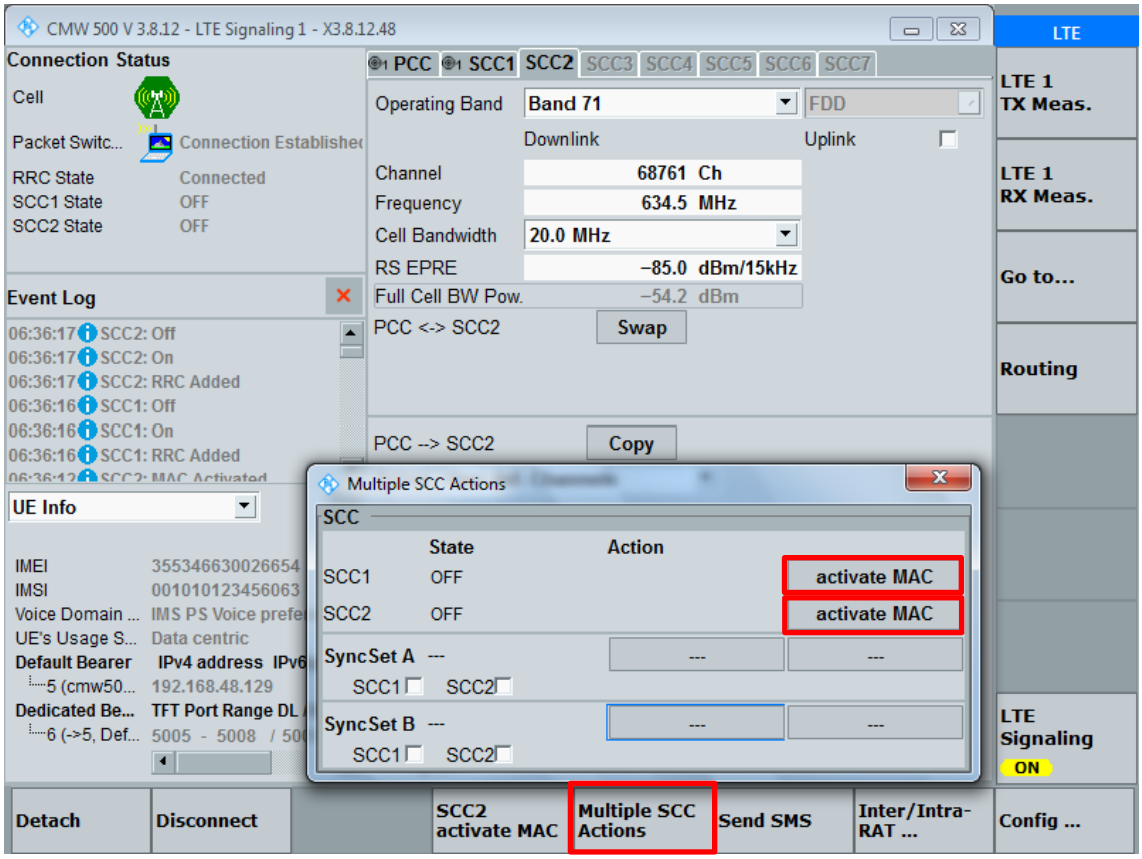


- Select the SCC1/SCC2 tab, set operating band, BW, channel and RB configurations for SCC1/SCC2

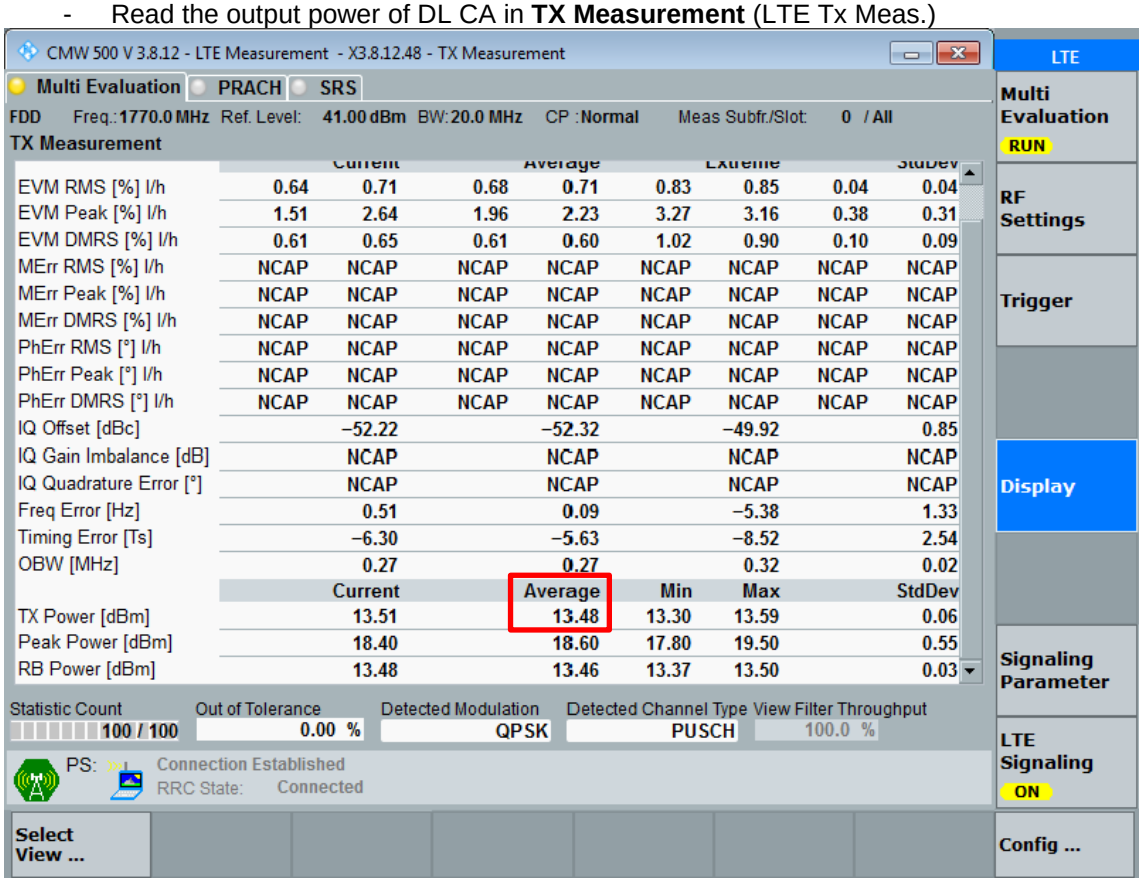




- Connect and Activate MAC for all SCCs

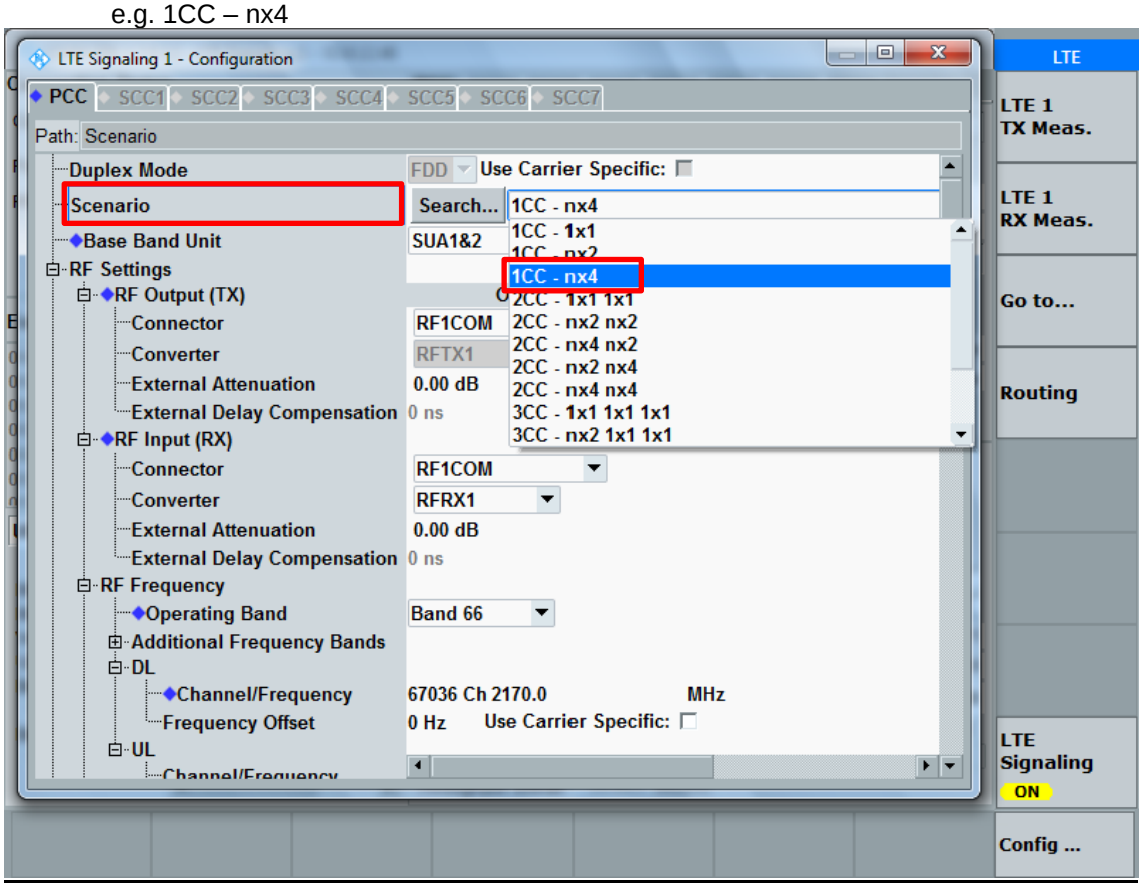


- Read the output power of DL CA in **TX Measurement** (LTE Tx Meas.)

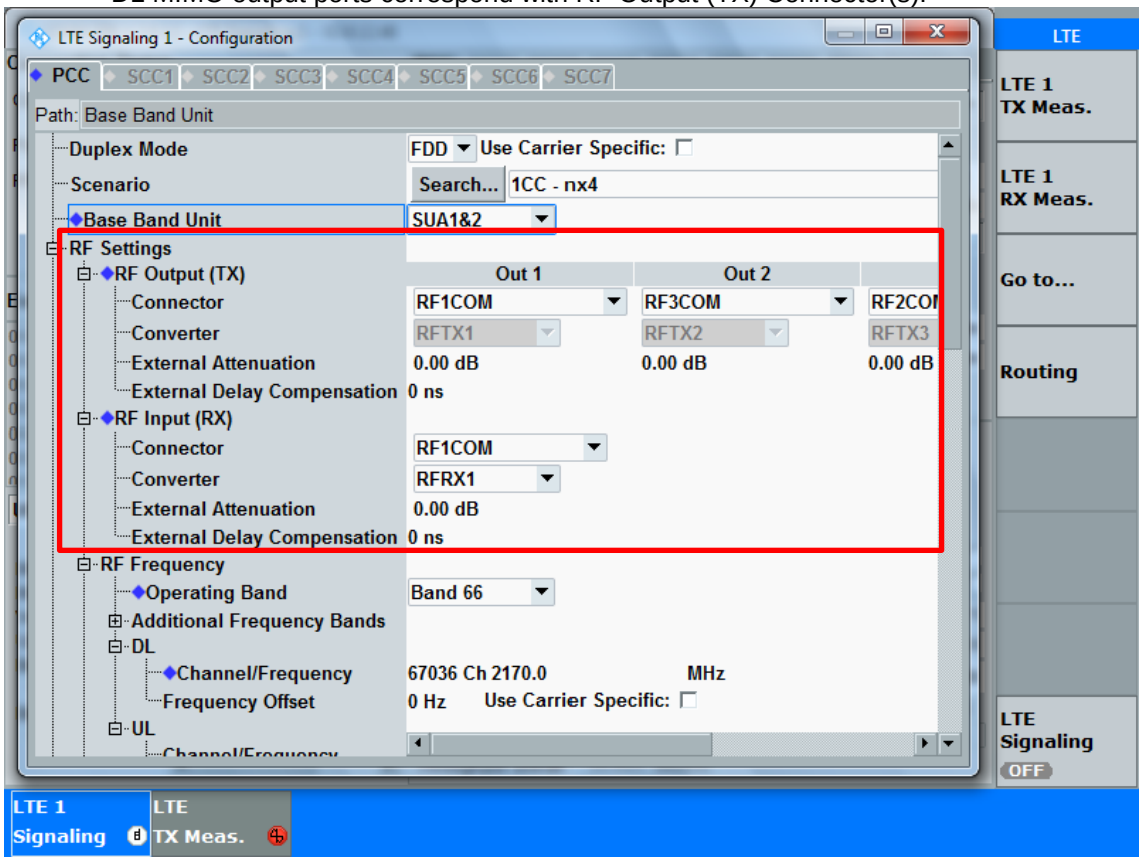


LTE Downlink 4x4 MIMO - Output Power measurement procedures

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

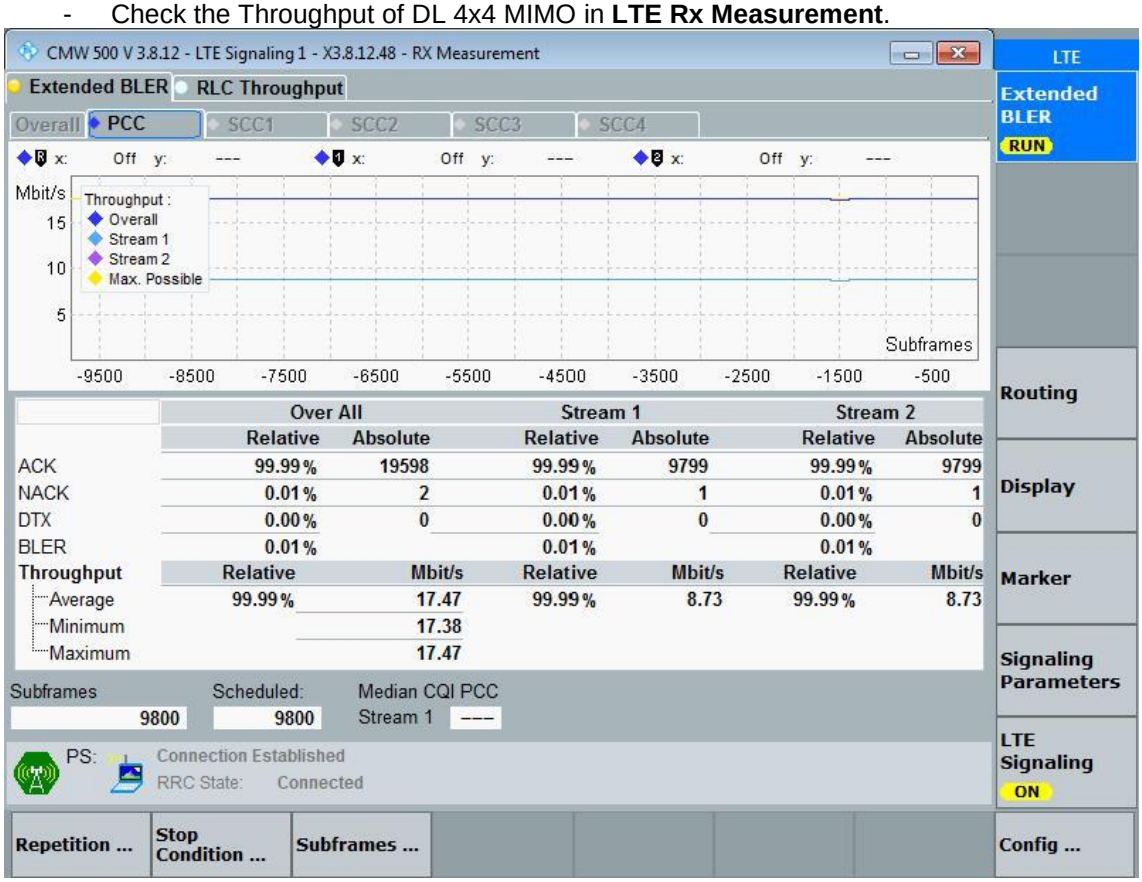


- Set the RF Output/Input Connector and Converter for PCC.
  DL MIMO output ports correspond with RF Output (TX) Connector(s).

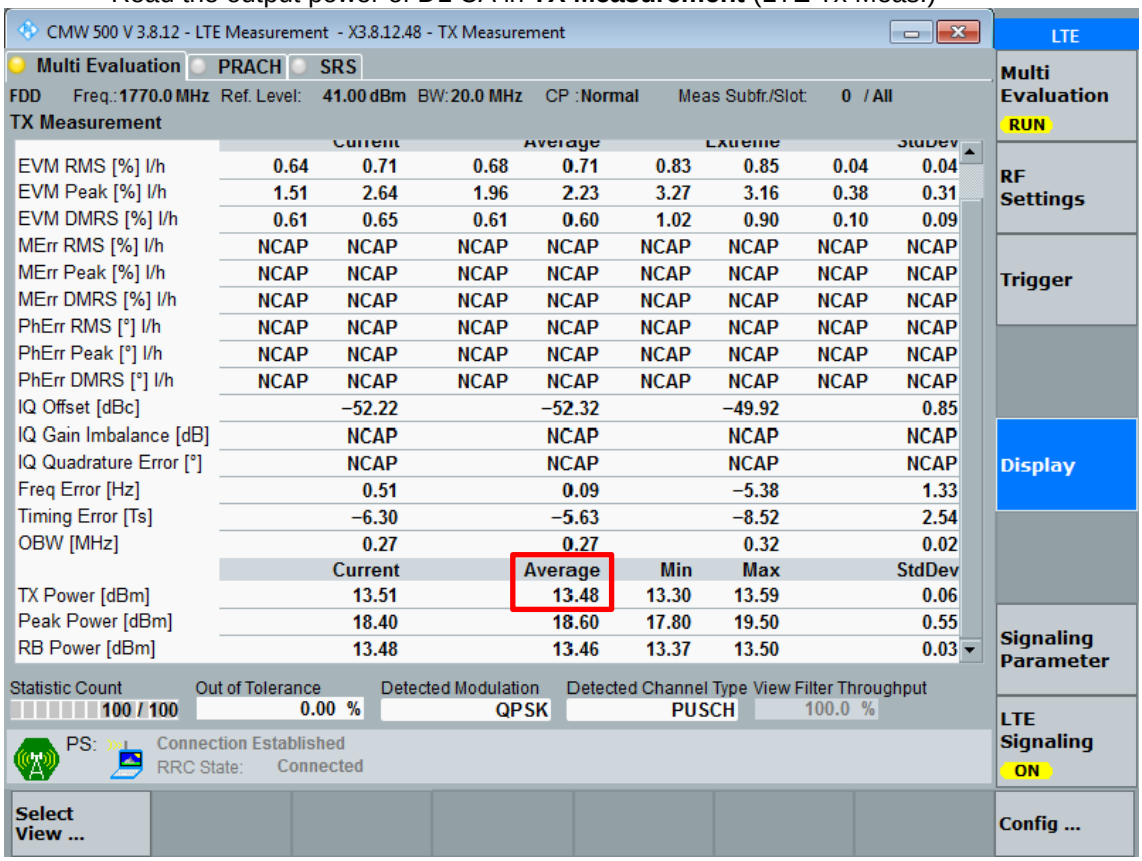


- Back to the LTE Signal screen, set operating band, BW, channel and RB configurations for PCC

- 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.

RF Exposure conditions	Pwr back-off	Antenna	E-UTRA CA configuration (BCS)	Bands		UL												MPR	Standalone	PCC + SCC					
				PCC	SCC	PCC						SCC							LTE Rel.8	Aggregated BW	MPR	Tune-Up Limit	CA power (total	Delta	3GPP Rel.
				1st	2nd	Modulation	RB	Offset	BW	Freq	ch	Modulation	RB	Offset	BW	Freq	ch								
Head	RSI=4	Ant.A	CA_41C(0)(1)(2)(3)	41C	41C	QPSK	50	50	20	2593.0	40620	QPSK	50	0	20	2612.8	40818	0	20.71	40	0	21.0	19.87	-0.84	16
body worn & hotspot	RSI=3	Ant.A	CA_41C(0)(1)(2)(3)	41C	41C	QPSK	50	50	20	2593.0	40620	QPSK	50	0	20	2612.8	40818	0	18.08	40	0	19.0	17.47	-0.61	16
Head	RSI=4	Ant.E	CA_48C(0)	48C	48C	QPSK	50	0	20	3690.0	56640	QPSK	50	50	20	3670.2	56442	0	14.75	40	0	15.0	14.72	-0.03	16
body worn & hotspot	RSI=3	Ant.E	CA_48C(0)	48C	48C	QPSK	50	0	20	3690.0	56640	QPSK	50	50	20	3670.2	56442	0	14.75	40	0	15.0	14.72	-0.03	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	2C		3CC#10
2CC#3	2A-4A		3CC#1
2CC#4	2A-5A		3CC#2
2CC#5	2A-7A		3CC#3
2CC#6	2A-12A		3CC#4
2CC#7	2A-13A		3CC#5
2CC#8	2A-14A		3CC#6
2CC#9	2A-29A	B29 SCC Only	3CC#7
2CC#10	2A-30A		3CC#8
2CC#11	2A-48A	B48 SCC Only	3CC#22
2CC#12	2A-66A		3CC#9
2CC#13	2A-71A		3CC#11
2CC#14	4A-4A		3CC#12
2CC#15	4A-5A		3CC#13
2CC#16	4A-7A		3CC#14
2CC#17	4A-12A		3CC#15
2CC#18	4A-13A		3CC#16
2CC#19	4A-29A	B29 SCC Only	3CC#17
2CC#20	4A-30A		3CC#18
2CC#21	4A-48A	B48 SCC Only	
2CC#22	4A-71A		3CC#19
2CC#23	5A-5A		
2CC#24	5A-7A		3CC#20
2CC#25	5A-25A		
2CC#26	5A-30A		3CC#21
2CC#27	5A-38A	B38 SCC Only	
2CC#28	5A-48A	B48 SCC Only	3CC#22
2CC#29	5A-66A		3CC#23
2CC#30	7A-7A		3CC#24
2CC#31	7C		3CC#25
2CC#32	7A-12A		3CC#26
2CC#33	7A-13A		3CC#27
2CC#34	7A-25A		3CC#80
2CC#35	7A-29A	B29 SCC Only	3CC#28

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-7A		4CC#5
3CC#4	2A-2A-12A		4CC#3
3CC#5	2A-2A-13A		4CC#11
3CC#6	2A-2A-14A		4CC#17
3CC#7	2A-2A-29A	B29 SCC Only	4CC#19
3CC#8	2A-2A-30A		4CC#6
3CC#9	2A-2A-66A		4CC#7
3CC#10	2C-66A		4CC#25
3CC#11	2A-2A-71A		4CC#4
3CC#12	2A-4A-4A		4CC#1
3CC#13	2A-4A-5A		4CC#2
3CC#14	2A-4A-7A		4CC#30
3CC#15	2A-4A-12A		4CC#3
3CC#16	2A-4A-13A		
3CC#17	2A-4A-29A	B29 SCC Only	4CC#35
3CC#18	2A-4A-30A		4CC#29
3CC#19	2A-4A-71A		4CC#4
3CC#20	2A-5A-7A		4CC#5
3CC#21	2A-5A-30A		4CC#6
3CC#22	2A-5A-48A	B48 SCC Only	4CC#41
3CC#23	2A-5A-66A		4CC#7
3CC#24	2A-7A-7A		4CC#8
3CC#25	2A-7C		4CC#9
3CC#26	2A-7A-12A		4CC#10
3CC#27	2A-7A-13A		4CC#11
3CC#28	2A-7A-29A	B29 SCC Only	4CC#47
3CC#29	2A-7A-66A		4CC#12
3CC#30	2A-12B		
3CC#31	2A-12A-30A		4CC#14
3CC#32	2A-12A-66A		4CC#15
3CC#33	2A-13A-48A	B48 SCC Only	4CC#61
3CC#34	2A-13A-66A		4CC#16
3CC#35	2A-14A-30A		4CC#17

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-7A		
4CC#6	2A-2A-5A-30A		
4CC#7	2A-2A-5A-66A		
4CC#8	2A-2A-7A-7A		
4CC#9	2A-2A-7C		
4CC#10	2A-2A-7A-12A		
4CC#11	2A-2A-7A-13A		
4CC#12	2A-2A-7A-66A		
4CC#13	2A-2A-12B		
4CC#14	2A-2A-12A-30A		
4CC#15	2A-2A-12A-66A		
4CC#16	2A-2A-13A-66A		
4CC#17	2A-2A-14A-30A		
4CC#18	2A-2A-14A-66A		
4CC#19	2A-2A-29A-30A	B29 SCC Only	
4CC#20	2A-2A-29A-66A	B29 SCC Only	
4CC#21	2A-2A-30A-66A		
4CC#22	2A-2A-66A-66A		
4CC#23	2A-2A-66B		
4CC#24	2A-2A-66C		
4CC#25	2C-66A-66A		
4CC#26	2A-2A-66A-71A		
4CC#27	2A-4A-4A-5A		
4CC#28	2A-4A-4A-12A		
4CC#29	2A-4A-5A-30A		
4CC#30	2A-4A-7A-7A		
4CC#31	2A-4A-7C		
4CC#32	2A-4A-7A-12A		
4CC#33	2A-4A-12B		
4CC#34	2A-4A-12A-30A		
4CC#35	2A-4A-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#36	7A-66A		3CC#29
2CC#37	12B		3CC#30
2CC#38	12A-25A		
2CC#39	12A-30A		3CC#31
2CC#40	12A-48A	B48 SCC Only	
2CC#41	12A-66A		3CC#32
2CC#42	13A-48A	B48 SCC Only	3CC#33
2CC#43	13A-66A		3CC#34
2CC#44	14A-30A		3CC#35
2CC#45	14A-66A		3CC#36
2CC#46	25A-25A		3CC#80
2CC#47	25A-26A		3CC#96
2CC#48	25A-41A	B41 SCC Only	3CC#98
2CC#49	25A-66A		3CC#81
2CC#50	26A-41A	B41 SCC Only	3CC#99
2CC#51	29A-30A	B29 SCC Only	3CC#37
2CC#52	29A-66A	B29 SCC Only	3CC#38
2CC#53	30A-66A		3CC#39
2CC#54	38C		
2CC#55	41A-41A		
2CC#56	41C		3CC#105
2CC#57	48A-48A		
2CC#58	48B		
2CC#59	48C		3CC#107
2CC#60	48A-66A	B48 SCC Only	3CC#42
2CC#61	48A-71A	B48 SCC Only	
2CC#62	66A-66A		3CC#43
2CC#63	66B		3CC#44
2CC#64	66C		3CC#45
2CC#65	66A-71A		3CC#46

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#36	2A-14A-66A		4CC#18
3CC#37	2A-29A-30A	B29 SCC Only	4CC#19
3CC#38	2A-29A-66A	B29 SCC Only	4CC#20
3CC#39	2A-30A-66A		4CC#21
3CC#40	2A-48A-48A	B48 SCC Only	4CC#72
3CC#41	2A-48C	B48 SCC Only	4CC#40
3CC#42	2A-48A-66A	B48 SCC Only	4CC#41
3CC#43	2A-66A-66A		4CC#22
3CC#44	2A-66B		4CC#23
3CC#45	2A-66C		4CC#24
3CC#46	2A-66A-71A		4CC#26
3CC#47	4A-4A-5A		4CC#27
3CC#48	4A-4A-7A		
3CC#49	4A-4A-12A		4CC#28
3CC#50	4A-4A-13A		
3CC#51	4A-4A-29A	B29 SCC Only	
3CC#52	4A-4A-71A		
3CC#53	4A-5A-30A		4CC#29
3CC#54	4A-7A-7A		4CC#30
3CC#55	4A-7C		4CC#31
3CC#56	4A-7A-12A		4CC#32
3CC#57	4A-12B		4CC#33
3CC#58	4A-12A-30A		4CC#34
3CC#59	4A-29A-30A	B29 SCC Only	4CC#35
3CC#60	4A-48C	B48 SCC Only	
3CC#61	5A-7A-7A		4CC#36
3CC#62	5A-7C		4CC#37
3CC#63	5A-7A-66A		4CC#38
3CC#64	5A-30A-66A		4CC#39
3CC#65	5A-48C	B48 SCC Only	4CC#40
3CC#66	5A-48A-66A	B48 SCC Only	4CC#41
3CC#67	5A-66A-66A		4CC#42
3CC#68	5A-66B		4CC#43
3CC#69	5A-66C		4CC#44
3CC#70	7A-7A-13A		4CC#45
3CC#71	7C-13A		4CC#46
3CC#72	7C-25A		4CC#94
3CC#73	7A-7A-29A	B29 SCC Only	4CC#47
3CC#74	7C-29A	B29 SCC Only	4CC#48
3CC#75	7A-7A-66A		4CC#49
3CC#76	7C-66A		4CC#50

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#36	2A-5A-7A-7A		
4CC#37	2A-5A-7C		
4CC#38	2A-5A-7A-66A		
4CC#39	2A-5A-30A-66A		
4CC#40	2A-5A-48C	B48 SCC Only	
4CC#41	2A-5A-48A-66A	B48 SCC Only	
4CC#42	2A-5A-66A-66A		
4CC#43	2A-5A-66B		
4CC#44	2A-5A-66C		
4CC#45	2A-7A-7A-13A		
4CC#46	2A-7C-13A		
4CC#47	2A-7A-7A-29A	B29 SCC Only	
4CC#48	2A-7C-29A	B29 SCC Only	
4CC#49	2A-7A-7A-66A		
4CC#50	2A-7C-66A		
4CC#51	2A-7A-12B		
4CC#52	2A-7A-12A-66A		
4CC#53	2A-7A-13A-66A		
4CC#54	2A-7A-29A-66A	B29 SCC Only	
4CC#55	2A-7A-66A-66A		
4CC#56	2A-12B-66A		
4CC#57	2A-12A-30A-66A		
4CC#58	2A-12A-66A-66A		
4CC#59	2A-12A-66C		
4CC#60	2A-13A-48C	B48 SCC Only	
4CC#61	2A-13A-48A-66A	B48 SCC Only	
4CC#62	2A-13A-66A-66A		
4CC#63	2A-13A-66B		
4CC#64	2A-13A-66C		
4CC#65	2A-14A-30A-66A		
4CC#66	2A-14A-66A-66A		
4CC#67	2A-29A-30A-66A	B29 SCC Only	
4CC#68	2A-29A-66A-66A	B29 SCC Only	
4CC#69	2A-30A-66A-66A		
4CC#70	2A-48A-48C	B48 SCC Only	
4CC#71	2A-48D	B48 SCC Only	
4CC#72	2A-48A-48A-66A	B48 SCC Only	
4CC#73	2A-48C-66A	B48 SCC Only	
4CC#74	2A-48A-66A-66A	B48 SCC Only	
4CC#75	2A-66A-66A-66A		
4CC#76	2A-66A-66B		

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	3CC	Restriction	Completely Covered by Measurement Superset
3CC#77	7A-12B		4CC#51
3CC#78	7A-12A-66A		4CC#52
3CC#79	7A-13A-66A		4CC#53
3CC#80	7A-25A-25A		4CC#93
3CC#81	7A-25A-66A		4CC#95
3CC#82	7A-29A-66A	B29 SCC Only	4CC#54
3CC#83	7A-66A-66A		4CC#55
3CC#84	12B-66A		4CC#56
3CC#85	12A-30A-66A		4CC#57
3CC#86	12A-48C	B48 SCC Only	
3CC#87	12A-66A-66A		4CC#58
3CC#88	12A-66C		4CC#59
3CC#89	13A-48C	B48 SCC Only	4CC#60
3CC#90	13A-48A-66A	B48 SCC Only	4CC#61
3CC#91	13A-66A-66A		4CC#62
3CC#92	13A-66B		4CC#63
3CC#93	13A-66C		4CC#64
3CC#94	14A-30A-66A		4CC#65
3CC#95	14A-66A-66A		4CC#66
3CC#96	25A-25A-26A		
3CC#97	25A-25A-66A		4CC#103
3CC#98	25A-25A-41A	B41 SCC Only	
3CC#99	25A-26A-41A	B41 SCC Only	
3CC#100	25A-41C	B41 SCC Only	4CC#114
3CC#101	26A-41C	B41 SCC Only	4CC#115
3CC#102	29A-30A-66A	B29 SCC Only	4CC#67
3CC#103	29A-66A-66A	B29 SCC Only	4CC#68
3CC#104	30A-66A-66A		4CC#69
3CC#105	41A-41C		
3CC#106	41D		4CC#118
3CC#107	48A-48C		
3CC#108	48D		4CC#121
3CC#109	48A-48A-66A		4CC#72
3CC#110	48C-71A	B48 SCC Only	
3CC#111	48A-66A-66A	B48 SCC Only	4CC#74
3CC#112	48A-66B	B48 SCC Only	4CC#108
3CC#113	48A-66C	B48 SCC Only	4CC#109
3CC#114	48C-66A	B48 SCC Only	4CC#73
3CC#115	66A-66A-66A		4CC#75
3CC#116	66A-66B		4CC#76
3CC#117	66A-66C		4CC#111
3CC#118	66D		4CC#112
3CC#119	66A-66A-71A		4CC#77
3CC#120	66C-71A		4CC#78

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#77	2A-66A-66A-71A		
4CC#78	2A-66C-71A		
4CC#79	4A-4A-12B		
4CC#80	4A-48D	B48 SCC Only	
4CC#81	5A-5A-66A-66A		
4CC#82	5A-5A-66B		
4CC#83	5A-5A-66C		
4CC#84	5A-7A-7A-66A		
4CC#85	5A-7C-66A		
4CC#86	5A-7A-66A-66A		
4CC#87	5A-30A-66A-66A		
4CC#88	5A-48D	B48 SCC Only	
4CC#89	5A-48C-66A	B48 SCC Only	
4CC#90	5A-48A-66A-66A	B48 SCC Only	
4CC#91	7A-7A-13A-66A		
4CC#92	7C-13A-66A		
4CC#93	7A-7A-25A-25A		
4CC#94	7C-25A-25A		
4CC#95	7A-7A-25A-66A		
4CC#96	7C-25A-66A		
4CC#97	7A-7A-29A-66A	B29 SCC Only	
4CC#98	7C-29A-66A	B29 SCC Only	
4CC#99	7A-7A-66A-66A		
4CC#100	7C-66A-66A		
4CC#101	7A-12A-66A-66A		
4CC#102	7A-12B-66A		
4CC#103	7A-25A-25A-66A		
4CC#104	12B-66A-66A		
4CC#105	12A-30A-66A-66A		
4CC#106	13A-48D	B48 SCC Only	
4CC#107	13A-48C-66A	B48 SCC Only	
4CC#108	13A-48A-66B	B48 SCC Only	
4CC#109	13A-48A-66C	B48 SCC Only	
4CC#110	13A-66A-66B		
4CC#111	13A-66A-66C		
4CC#112	13A-66D		
4CC#113	14A-30A-66A-66A		
4CC#114	25A-25A-41C	B41 SCC Only	
4CC#115	25A-26A-41C	B41 SCC Only	
4CC#116	25A-41D	B41 SCC Only	
4CC#117	29A-30A-66A-66A	B29 SCC Only	
4CC#118	41A-41D		
4CC#119	41C-41C		
4CC#120	41E		
4CC#121	48A-48D		
4CC#122	48C-48C		

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#123	48E		
4CC#124	48A-48C-66A		
4CC#125	48A-48A-66A-66A		
4CC#126	48A-48A-66B		
4CC#127	48A-48A-66C		
4CC#128	48C-66A-66A	B48 SCC Only	
4CC#129	48C-66B	B48 SCC Only	
4CC#130	48C-66C	B48 SCC Only	
4CC#131	48D-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#6
2CC#3	[2C]		3CC#29
2CC#4	2A-[4A]		3CC#1
2CC#5	[2A]-4A		3CC#2
2CC#6	[2A]-[4A]		3CC#4
2CC#7	[2A]-5A		3CC#8
2CC#8	[2A]-7A		3CC#10
2CC#9	[2A]-12A		3CC#13
2CC#10	[2A]-13A		3CC#15
2CC#11	[2A]-14A		3CC#17
2CC#12	[2A]-29A	B29 SCC Only	3CC#19
2CC#13	[2A]-30A		3CC#21
2CC#14	2A-[48A]	B48 SCC Only	3CC#63
2CC#15	[2A]-48A	B48 SCC Only	3CC#64
2CC#16	[2A]-[48A]	B48 SCC Only	3CC#65
2CC#17	2A-[66A]		3CC#23
2CC#18	[2A]-66A		3CC#24
2CC#19	[2A]-[66A]		3CC#25
2CC#20	[2A]-71A		3CC#31
2CC#21	[4A]-4A		3CC#34
2CC#22	[4A]-[4A]		3CC#37
2CC#23	[4A]-5A		3CC#41
2CC#24	[4A]-7A		3CC#44
2CC#25	[4A]-12A		3CC#47
2CC#26	[4A]-13A		3CC#50
2CC#27	[4A]-29A	B29 SCC Only	3CC#53
2CC#28	[4A]-30A		3CC#55
2CC#29	4A-[48A]	B48 SCC Only	
2CC#30	[4A]-48A	B48 SCC Only	
2CC#31	[4A]-[48A]	B48 SCC Only	
2CC#32	[4A]-71A		3CC#58
2CC#33	5A-[25A]		
2CC#34	5A-[48A]	B48 SCC Only	3CC#63
2CC#35	5A-[66A]		3CC#66
2CC#36	7A-[25A]		3CC#167

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#1	2A-2A-[4A]		4CC#1
3CC#2	2A-[2A]-4A		4CC#2
3CC#3	[2A]-2A-4A		4CC#2
3CC#4	2A-[2A]-[4A]		4CC#7
3CC#5	[2A]-2A-[4A]		4CC#7
3CC#6	[2A]-[2A]-4A		4CC#4
3CC#7	[2A]-[2A]-[4A]		
3CC#8	[2A]-2A-5A		4CC#6
3CC#9	[2A]-[2A]-5A		4CC#8
3CC#10	2A-[2A]-7A		4CC#17
3CC#11	[2A]-2A-7A		4CC#17
3CC#12	[2A]-[2A]-7A		4CC#18
3CC#13	[2A]-2A-12A		4CC#10
3CC#14	[2A]-[2A]-12A		4CC#12
3CC#15	[2A]-2A-13A		4CC#34
3CC#16	[2A]-[2A]-13A		4CC#36
3CC#17	[2A]-2A-14A		4CC#55
3CC#18	[2A]-[2A]-14A		4CC#56
3CC#19	[2A]-2A-29A	B29 SCC Only	4CC#61
3CC#20	[2A]-[2A]-29A	B29 SCC Only	4CC#62
3CC#21	[2A]-2A-30A		4CC#19
3CC#22	[2A]-[2A]-30A		4CC#20
3CC#23	2A-2A-[66A]		4CC#21
3CC#24	[2A]-2A-66A		4CC#22
3CC#25	[2A]-2A-[66A]		4CC#23
3CC#26	[2A]-[2A]-66A		4CC#24
3CC#27	[2A]-[2A]-[66A]		
3CC#28	2C-[66A]		4CC#83
3CC#29	[2C]-66A		4CC#84
3CC#30	[2C]-[66A]		
3CC#31	2A-[2A]-71A		4CC#14
3CC#32	[2A]-2A-71A		4CC#14
3CC#33	[2A]-[2A]-71A		4CC#16
3CC#34	2A-4A-[4A]		4CC#1
3CC#35	2A-[4A]-4A		4CC#1
3CC#36	[2A]-4A-4A		4CC#2

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]-5A		
4CC#6	[2A]-2A-4A-5A		
4CC#7	[2A]-2A-[4A]-5A		
4CC#8	[2A]-[2A]-4A-5A		
4CC#9	2A-2A-[4A]-12A		
4CC#10	[2A]-2A-4A-12A		
4CC#11	[2A]-2A-[4A]-12A		
4CC#12	[2A]-[2A]-4A-12A		
4CC#13	2A-2A-[4A]-71A		
4CC#14	[2A]-2A-4A-71A		
4CC#15	[2A]-2A-[4A]-71A		
4CC#16	[2A]-[2A]-4A-71A		
4CC#17	[2A]-2A-5A-7A		
4CC#18	[2A]-[2A]-5A-7A		
4CC#19	[2A]-2A-5A-30A		
4CC#20	[2A]-[2A]-5A-30A		
4CC#21	2A-2A-5A-[66A]		
4CC#22	[2A]-2A-5A-66A		
4CC#23	[2A]-2A-5A-[66A]		
4CC#24	[2A]-[2A]-5A-66A		
4CC#25	2A-[2A]-7A-7A		
4CC#26	[2A]-2A-7A-7A		
4CC#27	[2A]-[2A]-7A-7A		
4CC#28	2A-[2A]-7C		
4CC#29	[2A]-2A-7C		
4CC#30	[2A]-[2A]-7C		
4CC#31	2A-[2A]-7A-12A		
4CC#32	[2A]-2A-7A-12A		
4CC#33	[2A]-[2A]-7A-12A		
4CC#34	2A-[2A]-7A-13A		
4CC#35	[2A]-2A-7A-13A		
4CC#36	[2A]-[2A]-7A-13A		

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#37	7A-[66A]		3CC#74
2CC#38	12A-[25A]		
2CC#39	12A-[48A]	B48 SCC Only	
2CC#40	12A-[66A]		3CC#79
2CC#41	13A-[48A]	B48 SCC Only	3CC#82
2CC#42	13A-[66A]		3CC#85
2CC#43	14A-[66A]		3CC#89
2CC#44	25A-[25A]		3CC#167
2CC#45	[25A]-25A		3CC#167
2CC#46	[25A]-[25A]		3CC#168
2CC#47	[25A]-26A		3CC#194
2CC#48	25A-[41A]	B41 SCC Only	3CC#204
2CC#49	[25A]-41A	B41 SCC Only	3CC#205
2CC#50	[25A]-[41A]	B41 SCC Only	3CC#207
2CC#51	25A-[66A]		3CC#170
2CC#52	[25A]-66A		3CC#169
2CC#53	[25A]-[66A]		3CC#171
2CC#54	26A-[41A]	B41 SCC Only	3CC#211
2CC#55	29A-[66A]	B29 SCC Only	3CC#93
2CC#56	30A-[66A]		3CC#96
2CC#57	41A-[41A]		
2CC#58	[41A]-41A		
2CC#59	[41A]-[41A]		
2CC#60	[41C]		3CC#223
2CC#61	[48A]-48A		
2CC#62	[48A]-[48A]		
2CC#63	[48B]		
2CC#64	[48C]		3CC#227
2CC#65	[48A]-66A	B48 SCC Only	3CC#108
2CC#66	48A-[66A]	B48 SCC Only	3CC#107
2CC#67	[48A]-[66A]	B48 SCC Only	3CC#110
2CC#68	[48A]-71A	B48 SCC Only	
2CC#69	66A-[66A]		3CC#114
2CC#70	[66A]-66A		3CC#114
2CC#71	[66A]-[66A]		3CC#116
2CC#72	[66B]		3CC#119
2CC#73	[66C]		3CC#122
2CC#74	[66A]-71A		3CC#125

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#37	2A-[4A]-[4A]		4CC#3
3CC#38	[2A]-4A-[4A]		4CC#95
3CC#39	[2A]-[4A]-4A		4CC#95
3CC#40	[2A]-[4A]-[4A]		
3CC#41	2A-[4A]-5A		4CC#5
3CC#42	[2A]-4A-5A		4CC#6
3CC#43	[2A]-[4A]-5A		4CC#7
3CC#44	2A-[4A]-7A		4CC#103
3CC#45	[2A]-4A-7A		4CC#104
3CC#46	[2A]-[4A]-7A		4CC#105
3CC#47	2A-[4A]-12A		4CC#9
3CC#48	[2A]-4A-12A		4CC#10
3CC#49	[2A]-[4A]-12A		4CC#11
3CC#50	2A-[4A]-13A		
3CC#51	[2A]-4A-13A		
3CC#52	[2A]-[4A]-13A		
3CC#53	2A-[4A]-29A	B29 SCC Only	4CC#118
3CC#54	[2A]-4A-29A	B29 SCC Only	4CC#119
3CC#55	2A-[4A]-30A		4CC#100
3CC#56	[2A]-4A-30A		4CC#101
3CC#57	[2A]-[4A]-30A		4CC#102
3CC#58	2A-[4A]-71A		4CC#13
3CC#59	[2A]-4A-71A		4CC#14
3CC#60	[2A]-[4A]-71A		4CC#15
3CC#61	[2A]-5A-7A		4CC#17
3CC#62	[2A]-5A-30A		4CC#19
3CC#63	2A-5A-[48A]	B48 SCC Only	4CC#132
3CC#64	[2A]-5A-48A	B48 SCC Only	4CC#133
3CC#65	[2A]-5A-[48A]	B48 SCC Only	4CC#136
3CC#66	2A-5A-[66A]		4CC#21
3CC#67	[2A]-5A-66A		4CC#22
3CC#68	[2A]-5A-[66A]		4CC#23
3CC#69	[2A]-7A-7A		4CC#25
3CC#70	[2A]-7C		4CC#28
3CC#71	[2A]-7A-12A		4CC#31
3CC#72	[2A]-7A-13A		4CC#34
3CC#73	[2A]-7A-29A	B29 SCC Only	4CC#147
3CC#74	2A-7A-[66A]		4CC#37

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#37	2A-2A-7A-[66A]		
4CC#38	2A-[2A]-7A-66A		
4CC#39	[2A]-2A-7A-66A		
4CC#40	2A-[2A]-7A-[66A]		
4CC#41	[2A]-2A-7A-[66A]		
4CC#42	[2A]-[2A]-7A-66A		
4CC#43	[2A]-2A-12B		
4CC#44	[2A]-[2A]-12B		
4CC#45	[2A]-2A-12A-30A		
4CC#46	[2A]-[2A]-12A-30A		
4CC#47	2A-2A-12A-[66A]		
4CC#48	[2A]-2A-12A-66A		
4CC#49	[2A]-2A-12A-[66A]		
4CC#50	[2A]-[2A]-12A-66A		
4CC#51	2A-2A-13A-[66A]		
4CC#52	[2A]-2A-13A-66A		
4CC#53	[2A]-2A-13A-[66A]		
4CC#54	[2A]-[2A]-13A-66A		
4CC#55	[2A]-2A-14A-30A		
4CC#56	[2A]-[2A]-14A-30A		
4CC#57	2A-2A-14A-[66A]		
4CC#58	[2A]-2A-14A-66A		
4CC#59	[2A]-2A-14A-[66A]		
4CC#60	[2A]-[2A]-14A-66A		
4CC#61	[2A]-2A-29A-30A	B29 SCC Only	
4CC#62	[2A]-[2A]-29A-30A	B29 SCC Only	
4CC#63	2A-2A-29A-[66A]	B29 SCC Only	
4CC#64	[2A]-2A-29A-66A	B29 SCC Only	
4CC#65	[2A]-2A-29A-[66A]	B29 SCC Only	
4CC#66	[2A]-[2A]-29A-66A	B29 SCC Only	
4CC#67	2A-2A-30A-[66A]		
4CC#68	[2A]-2A-30A-66A		
4CC#69	[2A]-2A-30A-[66A]		
4CC#70	[2A]-[2A]-30A-66A		
4CC#71	2A-2A-66A-[66A]		
4CC#72	2A-2A-[66A]-66A		
4CC#73	2A-[2A]-66A-66A		
4CC#74	[2A]-2A-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#75	[2A]-7A-66A		4CC#38
3CC#76	[2A]-7A-[66A]		4CC#40
3CC#77	[2A]-12B-		4CC#112
3CC#78	[2A]-12A-30A		4CC#45
3CC#79	2A-12A-[66A]		4CC#47
3CC#80	[2A]-12A-66A		4CC#48
3CC#81	[2A]-12A-[66A]		4CC#49
3CC#82	2A-13A-[48A]	B48 SCC Only	4CC#184
3CC#83	[2A]-13A-48A	B48 SCC Only	4CC#185
3CC#84	[2A]-13A-[48A]	B48 SCC Only	4CC#188
3CC#85	2A-13A-[66A]		4CC#51
3CC#86	[2A]-13A-66A		4CC#52
3CC#87	[2A]-13A-[66A]		4CC#53
3CC#88	[2A]-14A-30A		4CC#55
3CC#89	2A-14A-[66A]		4CC#57
3CC#90	[2A]-14A-66A		4CC#58
3CC#91	[2A]-14A-[66A]		4CC#59
3CC#92	[2A]-29A-30A	B29 SCC Only	4CC#61
3CC#93	2A-29A-[66A]	B29 SCC Only	4CC#63
3CC#94	[2A]-29A-66A	B29 SCC Only	4CC#64
3CC#95	[2A]-29A-[66A]	B29 SCC Only	4CC#65
3CC#96	2A-30A-[66A]		4CC#67
3CC#97	[2A]-30A-66A		4CC#68
3CC#98	[2A]-30A-[66A]		4CC#69
3CC#99	2A-[48A]-48A	B48 SCC Only	4CC#221
3CC#100	[2A]-48A-48A	B48 SCC Only	4CC#222
3CC#101	2A-[48A]-[48A]	B48 SCC Only	4CC#225
3CC#102	[2A]-[48A]-48A	B48 SCC Only	4CC#226
3CC#103	[2A]-[48A]-[48A]	B48 SCC Only	
3CC#104	2A-[48C]	B48 SCC Only	4CC#129
3CC#105	[2A]-48C	B48 SCC Only	4CC#130
3CC#106	[2A]-[48C]	B48 SCC Only	
3CC#107	2A-48A-[66A]	B48 SCC Only	4CC#131
3CC#108	2A-[48A]-66A	B48 SCC Only	4CC#132
3CC#109	[2A]-48A-66A	B48 SCC Only	4CC#133
3CC#110	2A-[48A]-[66A]	B48 SCC Only	4CC#134
3CC#111	[2A]-48A-[66A]	B48 SCC Only	4CC#135
3CC#112	[2A]-[48A]-66A	B48 SCC Only	4CC#136

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#75	2A-2A-[66A]-[66A]		
4CC#76	[2A]-[2A]-66A-66A		
4CC#77	2A-2A-[66B]		
4CC#78	[2A]-2A-66B		
4CC#79	[2A]-[2A]-66B		
4CC#80	2A-2A-[66C]		
4CC#81	[2A]-2A-66C		
4CC#82	[2A]-[2A]-66C		
4CC#83	2C-[66A]-66A		
4CC#84	[2C]-66A-66A		
4CC#85	2C-[66A]-[66A]		
4CC#86	2A-2A-[66A]-71A		
4CC#87	2A-[2A]-66A-71A		
4CC#88	[2A]-2A-66A-71A		
4CC#89	2A-[2A]-[66A]-71A		
4CC#90	[2A]-2A-[66A]-71A		
4CC#91	[2A]-[2A]-66A-71A		
4CC#92	2A-[4A]-4A-5A		
4CC#93	[2A]-4A-4A-5A		
4CC#94	2A-[4A]-[4A]-5A		
4CC#95	[2A]-[4A]-4A-5A		
4CC#96	2A-[4A]-4A-12A		
4CC#97	[2A]-4A-4A-12A		
4CC#98	2A-[4A]-[4A]-12A		
4CC#99	[2A]-[4A]-4A-12A		
4CC#100	2A-[4A]-5A-30A		
4CC#101	[2A]-4A-5A-30A		
4CC#102	[2A]-[4A]-5A-30A		
4CC#103	2A-[4A]-7A-7A		
4CC#104	[2A]-4A-7A-7A		
4CC#105	[2A]-[4A]-7A-7A		
4CC#106	2A-[4A]-7C		
4CC#107	[2A]-4A-7C		
4CC#108	[2A]-[4A]-7C		
4CC#109	2A-[4A]-7A-12A		
4CC#110	[2A]-4A-7A-12A		
4CC#111	[2A]-[4A]-7A-12A		
4CC#112	2A-[4A]-12B		

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#113	[2A]-[48A]-[66A]	B48 SCC Only	
3CC#114	2A-[66A]-66A		4CC#71
3CC#115	[2A]-66A-66A		4CC#73
3CC#116	2A-[66A]-[66A]		4CC#75
3CC#117	[2A]-[66A]-66A		4CC#140
3CC#118	[2A]-[66A]-[66A]		
3CC#119	2A-[66B]		4CC#77
3CC#120	[2A]-66B		4CC#78
3CC#121	[2A]-[66B]		
3CC#122	2A-[66C]		4CC#80
3CC#123	[2A]-66C		4CC#81
3CC#124	[2A]-[66C]		
3CC#125	2A-[66A]-71A		4CC#86
3CC#126	[2A]-66A-71A		4CC#87
3CC#127	[2A]-[66A]-71A		4CC#89
3CC#128	[4A]-4A-5A		4CC#92
3CC#129	[4A]-[4A]-5A		4CC#94
3CC#130	4A-[4A]-7A		
3CC#131	[4A]-4A-7A		
3CC#132	[4A]-[4A]-7A		
3CC#133	[4A]-4A-12A		4CC#96
3CC#134	[4A]-[4A]-12A		4CC#98
3CC#135	[4A]-4A-13A		
3CC#136	[4A]-[4A]-13A		
3CC#137	[4A]-4A-29A	B29 SCC Only	
3CC#138	4A-[4A]-71A		
3CC#139	[4A]-4A-71A		
3CC#140	[4A]-[4A]-71A		
3CC#141	[4A]-5A-30A		4CC#100
3CC#142	[4A]-7A-7A		4CC#103
3CC#143	[4A]-7C		4CC#106
3CC#144	[4A]-7A-12A		4CC#109
3CC#145	[4A]-12B		4CC#112
3CC#146	[4A]-12A-30A		4CC#115
3CC#147	[4A]-29A-30A	B29 SCC Only	4CC#118
3CC#148	4A-[48C]	B48 SCC Only	
3CC#149	[4A]-48C	B48 SCC Only	
3CC#150	[4A]-[48C]	B48 SCC Only	

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#113	[2A]-4A-12B		
4CC#114	[2A]-[4A]-12B		
4CC#115	2A-[4A]-12A-30A		
4CC#116	[2A]-4A-12A-30A		
4CC#117	[2A]-[4A]-12A-30A		
4CC#118	2A-[4A]-29A-30A	B29 SCC Only	
4CC#119	[2A]-4A-29A-30A	B29 SCC Only	
4CC#120	[2A]-[4A]-29A-30A	B29 SCC Only	
4CC#121	[2A]-5A-7A-7A		
4CC#122	[2A]-5A-7C		
4CC#123	2A-5A-7A-[66A]		
4CC#124	[2A]-5A-7A-66A		
4CC#125	[2A]-5A-7A-[66A]		
4CC#126	2A-5A-30A-[66A]		
4CC#127	[2A]-5A-30A-66A		
4CC#128	[2A]-5A-30A-[66A]		
4CC#129	2A-5A-[48C]	B48 SCC Only	
4CC#130	[2A]-5A-48C	B48 SCC Only	
4CC#131	2A-5A-48A-[66A]	B48 SCC Only	
4CC#132	2A-5A-[48A]-66A	B48 SCC Only	
4CC#133	[2A]-5A-48A-66A	B48 SCC Only	
4CC#134	2A-5A-[48A]-[66A]	B48 SCC Only	
4CC#135	[2A]-5A-48A-[66A]	B48 SCC Only	
4CC#136	[2A]-5A-[48A]-66A	B48 SCC Only	
4CC#137	2A-5A-[66A]-66A		
4CC#138	[2A]-5A-66A-66A		
4CC#139	2A-5A-[66A]-[66A]		
4CC#140	[2A]-5A-[66A]-66A		
4CC#141	2A-5A-[66B]		
4CC#142	[2A]-5A-66B		
4CC#143	2A-5A-[66C]		
4CC#144	[2A]-5A-66C		
4CC#145	[2A]-7A-7A-13A		
4CC#146	[2A]-7C-13A		
4CC#147	[2A]-7A-7A-29A	B29 SCC Only	
4CC#148	[2A]-7C-29A	B29 SCC Only	
4CC#149	2A-7A-7A-[66A]		
4CC#150	[2A]-7A-7A-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#151	5A-7A-[66A]		4CC#123
3CC#152	5A-30A-[66A]		4CC#126
3CC#153	5A-[48C]	B48 SCC Only	4CC#129
3CC#154	5A-48A-[66A]	B48 SCC Only	4CC#131
3CC#155	5A-[48A]-66A	B48 SCC Only	4CC#132
3CC#156	5A-[48A]-[66A]	B48 SCC Only	4CC#134
3CC#157	5A-66A-[66A]		4CC#137
3CC#158	5A-[66A]-66A		4CC#137
3CC#159	5A-[66A]-[66A]		4CC#139
3CC#160	5A-[66B]		4CC#141
3CC#161	5A-[66C]		4CC#143
3CC#162	7C-[25A]		4CC#272
3CC#163	7A-7A-[66A]		4CC#149
3CC#164	7C-[66A]		4CC#152
3CC#165	7A-12A-[66A]		4CC#156
3CC#166	7A-13A-[66A]		4CC#159
3CC#167	7A-[25A]-25A		4CC#270
3CC#168	7A-[25A]-[25A]		4CC#271
3CC#169	7A-[25A]-66A		4CC#275
3CC#170	7A-25A-[66A]		4CC#274
3CC#171	7A-[25A]-[66A]		4CC#276
3CC#172	7A-29A-[66A]	B29 SCC Only	4CC#162
3CC#173	7A-[66A]-66A		4CC#165
3CC#174	7A-[66A]-[66A]		4CC#167
3CC#175	12B-[66A]		4CC#169
3CC#176	12A-30A-[66A]		4CC#172
3CC#177	12A-[48C]	B48 SCC Only	
3CC#178	12A-66A-[66A]		4CC#175
3CC#179	12A-[66A]-66A		4CC#175
3CC#180	12A-[66A]-[66A]		4CC#177
3CC#181	12A-[66C]		4CC#179
3CC#182	13A-[48C]	B48 SCC Only	4CC#181
3CC#183	13A-48A-[66A]	B48 SCC Only	4CC#183
3CC#184	13A-[48A]-66A	B48 SCC Only	4CC#184
3CC#185	13A-[48A]-[66A]	B48 SCC Only	4CC#186
3CC#186	13A-66A-[66A]		4CC#189
3CC#187	13A-[66A]-66A		4CC#189

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#151	[2A]-7A-7A-[66A]		
4CC#152	2A-7C-[66A]		
4CC#153	[2A]-7C-66A		
4CC#154	[2A]-7C-[66A]		
4CC#155	[2A]-7A-12B		
4CC#156	2A-7A-12A-[66A]		
4CC#157	[2A]-7A-12A-66A		
4CC#158	[2A]-7A-12A-[66A]		
4CC#159	2A-7A-13A-[66A]		
4CC#160	[2A]-7A-13A-66A		
4CC#161	[2A]-7A-13A-[66A]		
4CC#162	2A-7A-29A-[66A]	B29 SCC Only	
4CC#163	[2A]-7A-29A-66A	B29 SCC Only	
4CC#164	[2A]-7A-29A-[66A]	B29 SCC Only	
4CC#165	2A-7A-[66A]-66A		
4CC#166	[2A]-7A-66A-66A		
4CC#167	2A-7A-[66A]-[66A]		
4CC#168	[2A]-7A-[66A]-66A		
4CC#169	2A-12B-[66A]		
4CC#170	[2A]-12B-66A		
4CC#171	[2A]-12B-[66A]		
4CC#172	2A-12A-30A-[66A]		
4CC#173	[2A]-12A-30A-66A		
4CC#174	[2A]-12A-30A-[66A]		
4CC#175	2A-12A-[66A]-66A		
4CC#176	[2A]-12A-66A-66A		
4CC#177	2A-12A-[66A]-[66A]		
4CC#178	[2A]-12A-[66A]-66A		
4CC#179	2A-12A-[66C]		
4CC#180	[2A]-12A-66C		
4CC#181	2A-13A-[48C]	B48 SCC Only	
4CC#182	[2A]-13A-48C	B48 SCC Only	
4CC#183	2A-13A-48A-[66A]	B48 SCC Only	
4CC#184	2A-13A-[48A]-66A	B48 SCC Only	
4CC#185	[2A]-13A-48A-66A	B48 SCC Only	
4CC#186	2A-13A-[48A]-[66A]	B48 SCC Only	
4CC#187	[2A]-13A-48A-[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	3CC	Restriction	Completely Covered by Measurement Superset
3CC#188	13A-[66A]-[66A]		4CC#191
3CC#189	13A-[66B]		4CC#193
3CC#190	13A-[66C]		4CC#195
3CC#191	14A-30A-[66A]		4CC#197
3CC#192	14A-[66A]-66A		4CC#200
3CC#193	14A-[66A]-[66A]		4CC#202
3CC#194	25A-[25A]-26A		
3CC#195	[25A]-25A-26A		
3CC#196	[25A]-[25A]-26A		
3CC#197	25A-25A-[66A]		4CC#290
3CC#198	25A-[25A]-66A		4CC#291
3CC#199	[25A]-25A-66A		4CC#291
3CC#200	25A-[25A]-[66A]		4CC#292
3CC#201	[25A]-25A-[66A]		4CC#292
3CC#202	[25A]-[25A]-66A		
3CC#203	[25A]-[25A]-[66A]		
3CC#204	25A-25A-[41A]	B41 SCC Only	
3CC#205	25A-[25A]-41A	B41 SCC Only	
3CC#206	[25A]-25A-41A	B41 SCC Only	
3CC#207	25A-[25A]-[41A]	B41 SCC Only	
3CC#208	[25A]-25A-[41A]	B41 SCC Only	
3CC#209	[25A]-[25A]-41A	B41 SCC Only	
3CC#210	[25A]-[25A]-[41A]	B41 SCC Only	
3CC#211	25A-26A-[41A]	B41 SCC Only	
3CC#212	[25A]-26A-41A	B41 SCC Only	
3CC#213	[25A]-26A-[41A]	B41 SCC Only	
3CC#214	25A-[41C]	B41 SCC Only	4CC#310
3CC#215	[25A]-41C	B41 SCC Only	4CC#311
3CC#216	[25A]-[41C]	B41 SCC Only	
3CC#217	26A-[41C]	B41 SCC Only	4CC#314
3CC#218	29A-30A-[66A]	B29 SCC Only	4CC#204
3CC#219	29A-[66A]-66A	B29 SCC Only	4CC#207
3CC#220	29A-[66A]-[66A]	B29 SCC Only	4CC#209
3CC#221	30A-[66A]-66A		4CC#211
3CC#222	30A-[66A]-[66A]		4CC#213
3CC#223	41A-[41C]		
3CC#224	[41A]-41C		
3CC#225	[41A]-[41C]		

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#188	[2A]-13A-[48A]-66A	B48 SCC Only	
4CC#189	2A-13A-[66A]-66A		
4CC#190	[2A]-13A-66A-66A		
4CC#191	2A-13A-[66A]-[66A]		
4CC#192	[2A]-13A-[66A]-66A		
4CC#193	2A-13A-[66B]		
4CC#194	[2A]-13A-66B		
4CC#195	2A-13A-[66C]		
4CC#196	[2A]-13A-66C		
4CC#197	2A-14A-30A-[66A]		
4CC#198	[2A]-14A-30A-66A		
4CC#199	[2A]-14A-30A-[66A]		
4CC#200	2A-14A-[66A]-66A		
4CC#201	[2A]-14A-66A-66A		
4CC#202	2A-14A-[66A]-[66A]		
4CC#203	[2A]-14A-[66A]-66A		
4CC#204	2A-29A-30A-[66A]	B29 SCC Only	
4CC#205	[2A]-29A-30A-66A	B29 SCC Only	
4CC#206	[2A]-29A-30A-[66A]	B29 SCC Only	
4CC#207	2A-29A-[66A]-66A	B29 SCC Only	
4CC#208	[2A]-29A-66A-66A	B29 SCC Only	
4CC#209	2A-29A-[66A]-[66A]	B29 SCC Only	
4CC#210	[2A]-29A-[66A]-66A	B29 SCC Only	
4CC#211	2A-30A-[66A]-66A		
4CC#212	[2A]-30A-66A-66A		
4CC#213	2A-30A-[66A]-[66A]		
4CC#214	[2A]-30A-[66A]-66A		
4CC#215	2A-48A-[48C]	B48 SCC Only	
4CC#216	2A-[48A]-48C	B48 SCC Only	
4CC#217	[2A]-48A-48C	B48 SCC Only	
4CC#218	[2A]-[48A]-48C	B48 SCC Only	
4CC#219	[2A]-48D	B48 SCC Only	
4CC#220	2A-48A-48A-[66A]	B48 SCC Only	
4CC#221	2A-[48A]-48A-66A	B48 SCC Only	
4CC#222	[2A]-48A-48A-66A	B48 SCC Only	
4CC#223	2A-[48A]-48A-[66A]	B48 SCC Only	
4CC#224	[2A]-48A-48A-[66A]	B48 SCC Only	
4CC#225	2A-[48A]-[48A]-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	3CC	Restriction	Completely Covered by Measurement Superset
3CC#226	[41D]		
3CC#227	48A-[48C]		
3CC#228	[48A]-48C		
3CC#229	[48A]-[48C]		
3CC#230	[48D]		
3CC#231	[48A]-48A-66A		4CC#221
3CC#232	48A-48A-[66A]		4CC#220
3CC#233	[48A]-[48A]-66A		4CC#225
3CC#234	[48A]-48A-[66A]		4CC#223
3CC#235	[48A]-[48A]-[66A]		
3CC#236	[48C]-71A	B48 SCC Only	
3CC#237	[48A]-66A-66A	B48 SCC Only	4CC#233
3CC#238	48A-[66A]-66A	B48 SCC Only	4CC#231
3CC#239	[48A]-[66A]-66A	B48 SCC Only	4CC#234
3CC#240	48A-[66A]-[66A]	B48 SCC Only	4CC#232
3CC#241	[48A]-[66A]-[66A]	B48 SCC Only	
3CC#242	[48A]-66B	B48 SCC Only	4CC#301
3CC#243	48A-[66B]	B48 SCC Only	4CC#300
3CC#244	[48A]-[66B]	B48 SCC Only	
3CC#245	[48A]-66C	B48 SCC Only	4CC#303
3CC#246	48A-[66C]	B48 SCC Only	4CC#302
3CC#247	[48A]-[66C]	B48 SCC Only	
3CC#248	[48C]-66A	B48 SCC Only	4CC#228
3CC#249	48C-[66A]	B48 SCC Only	4CC#227
3CC#250	[48C]-[66A]	B48 SCC Only	
3CC#251	66A-[66B]		4CC#240
3CC#252	[66A]-66B		4CC#239
3CC#253	[66A]-[66B]		
3CC#254	66A-[66C]		4CC#307
3CC#255	[66A]-66C		4CC#306
3CC#256	[66A]-[66C]		
3CC#257	[66D]		
3CC#258	[66A]-66A-71A		4CC#242
3CC#259	[66A]-[66A]-71A		4CC#245
3CC#260	[66C]-71A		4CC#248

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#226	[2A]-[48A]-48A-66A	B48 SCC Only	
4CC#227	2A-48C-[66A]	B48 SCC Only	
4CC#228	2A-[48C]-66A	B48 SCC Only	
4CC#229	[2A]-48C-66A	B48 SCC Only	
4CC#230	[2A]-48C-[66A]	B48 SCC Only	
4CC#231	2A-48A-[66A]-66A	B48 SCC Only	
4CC#232	2A-48A-[66A]-[66A]	B48 SCC Only	
4CC#233	2A-[48A]-66A-66A	B48 SCC Only	
4CC#234	2A-[48A]-66A-[66A]	B48 SCC Only	
4CC#235	[2A]-48A-66A-66A	B48 SCC Only	
4CC#236	[2A]-[48A]-66A-66A	B48 SCC Only	
4CC#237	[2A]-48A-[66A]-66A	B48 SCC Only	
4CC#238	[2A]-66A-66B		
4CC#239	2A-[66A]-66B		
4CC#240	2A-66A-[66B]		
4CC#241	[2A]-[66A]-66B		
4CC#242	2A-66A-[66A]-71A		
4CC#243	2A-[66A]-66A-71A		
4CC#244	[2A]-66A-66A-71A		
4CC#245	2A-[66A]-[66A]-71A		
4CC#246	[2A]-66A-[66A]-71A		
4CC#247	[2A]-[66A]-66A-71A		
4CC#248	2A-[66C]-71A		
4CC#249	[2A]-66C-71A		
4CC#250	[4A]-4A-12B		
4CC#251	[4A]-[4A]-12B		
4CC#252	[4A]-48D	B48 SCC Only	
4CC#253	5A-5A-[66A]-66A		
4CC#254	5A-5A-[66A]-[66A]		
4CC#255	5A-5A-[66B]		
4CC#256	5A-5A-[66C]		
4CC#257	5A-7A-7A-[66A]		
4CC#258	5A-7C-[66A]		
4CC#259	5A-7A-66A-[66A]		
4CC#260	5A-7A-[66A]-[66A]		
4CC#261	5A-30A-[66A]-66A		
4CC#262	5A-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	4CC	Restriction	Completely Covered by Measurement Superset
4CC#263	5A-48C-[66A]	B48 SCC Only	
4CC#264	5A-[48C]-66A	B48 SCC Only	
4CC#265	5A-48A-66A-[66A]	B48 SCC Only	
4CC#266	5A-48A-[66A]-66A	B48 SCC Only	
4CC#267	5A-48A-[66A]-[66A]	B48 SCC Only	
4CC#268	7A-7A-13A-[66A]		
4CC#269	7C-13A-[66A]		
4CC#270	7A-7A-25A-[25A]		
4CC#271	7A-7A-[25A]-[25A]		
4CC#272	7C-25A-[25A]		
4CC#273	7C-[25A]-[25A]		
4CC#274	7A-7A-25A-[66A]		
4CC#275	7A-7A-[25A]-66A		
4CC#276	7A-7A-[25A]-[66A]		
4CC#277	7C-25A-[66A]		
4CC#278	7C-[25A]-66A		
4CC#279	7C-[25A]-[66A]		
4CC#280	7A-7A-29A-[66A]	B29 SCC Only	
4CC#281	7C-29A-[66A]	B29 SCC Only	
4CC#282	7A-7A-66A-[66A]		
4CC#283	7A-7A-[66A]-66A		
4CC#284	7A-7A-[66A]-[66A]		
4CC#285	7C-[66A]-66A		
4CC#286	7C-[66A]-[66A]		
4CC#287	7A-12A-66A-[66A]		
4CC#288	7A-12A-[66A]-[66A]		
4CC#289	7A-12B-[66A]		
4CC#290	7A-25A-25A-[66A]		
4CC#291	7A-[25A]-25A-66A		
4CC#292	7A-[25A]-25A-[66A]		
4CC#293	12B-66A-[66A]		
4CC#294	12B-[66A]-66A		
4CC#295	12B-[66A]-[66A]		
4CC#296	12A-30A-[66A]-66A		
4CC#297	12A-30A-[66A]-[66A]		
4CC#298	13A-48C-[66A]	B48 SCC Only	
4CC#299	13A-[48C]-66A	B48 SCC Only	
4CC#300	13A-48A-[66B]	B48 SCC Only	

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#301	13A-[48A]-66B	B48 SCC Only	
4CC#302	13A-48A-[66C]	B48 SCC Only	
4CC#303	13A-[48A]-66C	B48 SCC Only	
4CC#304	13A-[66A]-66B		
4CC#305	13A-66A-[66B]		
4CC#306	13A-[66A]-66C		
4CC#307	13A-66A-[66C]		
4CC#308	14A-30A-[66A]-66A		
4CC#309	14A-30A-[66A]-[66A]		
4CC#310	25A-25A-[41C]	B41 SCC Only	
4CC#311	25A-[25A]-41C	B41 SCC Only	
4CC#312	[25A]-25A-41C	B41 SCC Only	
4CC#313	[25A]-[25A]-41C	B41 SCC Only	
4CC#314	25A-26A-[41C]	B41 SCC Only	
4CC#315	[25A]-26A-41C	B41 SCC Only	
4CC#316	[25A]-41D	B41 SCC Only	
4CC#317	29A-30A-[66A]-66A	B29 SCC Only	
4CC#318	29A-30A-[66A]-[66A]	B29 SCC Only	
4CC#319	[41A]-41D		
4CC#320	41C-[41C]		
4CC#321	[41C]-41C		
4CC#322	[48A]-48D		
4CC#323	[48C]-48C		
4CC#324	[48A]-48C-66A		
4CC#325	48A-[48C]-66A		
4CC#326	48A-48C-[66A]		
4CC#327	[48A]-48C-[66A]		
4CC#328	[48A]-48A-66A-66A		
4CC#329	48A-48A-[66A]-66A		
4CC#330	[48A]-[48A]-66A-66A		
4CC#331	[48A]-48A-[66A]-66A		
4CC#332	48A-48A-[66A]-[66A]		
4CC#333	[48A]-48A-66B		
4CC#334	48A-48A-[66B]		
4CC#335	[48A]-[48A]-66B		
4CC#336	[48A]-48A-66C		
4CC#337	48A-48A-[66C]		
4CC#338	[48A]-[48A]-66C		
4CC#339	[48C]-66A-66A	B48 SCC Only	
4CC#340	48C-[66A]-66A	B48 SCC Only	
4CC#341	48C-[66A]-[66A]	B48 SCC Only	
4CC#342	[48C]-66B	B48 SCC Only	
4CC#343	48C-[66B]	B48 SCC Only	
4CC#344	[48C]-66C	B48 SCC Only	
4CC#345	48C-[66C]	B48 SCC Only	
4CC#346	48D-[66A]	B48 SCC Only	
4CC#347	48D-[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).

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	18900	1880	1/0	24.18	24.17	-0.01
4	QPSK	20	20175	1732.5	1/49	24.2	24.17	-0.03
25	QPSK	20	26365	1882.5	1/99	24.21	24.20	-0.01
41	QPSK	20	40620	2593	1/99	23.21	23.20	-0.01
48	QPSK	20	56640	3690	1/49	21.09	21.05	-0.04
66	QPSK	20	132322	1745	1/49	23.94	23.90	-0.04

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 configuration (BCS)	Bands				UL							DL															LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
4A-48A	4A	48A			4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	48	20	56207	3646.7								24.20	24.13	-0.07
5A-5A	5A	5A			5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	5	5	2425	871.5								24.21	24.20	-0.01
5A-25A	5A	25A			5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	25	20	8365	1962.5								24.21	24.20	-0.01
	25A	5A			25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	5	10	2525	881.5								24.21	24.14	-0.07
5A-38A	5A	38A			5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	38	20	38000	2595								24.21	24.07	-0.14
12A-25A	12A	25A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	25	20	8365	1962.5								24.15	24.07	-0.08
	25A	12A			25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	12	10	5095	737.5								24.21	24.17	-0.04
12A-48A	12A	48A			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	48	20	56640	3690								24.15	24.02	-0.13
38C	38C	38C			38	QPSK	20	38000	2595	1	99	38	20	38000	2595	38	10	38144	2609.4								18.47	18.37	-0.10
41A-41A	41A	41A			41	QPSK	20	40620	2593	1	99	41	20	40620	2593	41	20	41490	2680								23.21	23.20	-0.01
48A-48A	48A	48A			48	QPSK	20	56640	3690	1	49	48	20	56640	3690	48	20	55340	3560								21.09	21.05	-0.04
48B	48B	48B			48	QPSK	20	56665	3692.5	1	49	48	15	56665	3692.5	48	5	56572	3683.2								21.09	21.01	-0.08
48A-71A	71A	48A			71	QPSK	20	133372	688	1	0	71	20	68836	642	48	20	56640	3690								24.07	23.95	-0.12
2A-4A-13A	2A	4A	13A		2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	13	10	5230	751				24.18	24.04	-0.14
	4A	13A	2A		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	13	10	5230	751	2	20	900	1960				24.20	24.08	-0.12
	13A	2A	4A		13	QPSK	10	23230	782	1	0	13	10	5230	751	2	20	900	1960	4	20	2175	2132.5				23.65	23.58	-0.07
4A-4A-7A	4A	4A	7A		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2000	2115	7	20	3100	2535				24.20	24.17	-0.03
	7A	4A	4A		7	QPSK	20	21350	2560	1	0	7	20	3350	2680	4	20	2175	2132.5	4	10	2000	2115				22.71	22.57	-0.14
4A-4A-13A	4A	4A	13A		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2000	2115	13	10	5230	751				24.20	24.06	-0.14
	13A	4A	4A		13	QPSK	10	23230	782	1	0	13	10	5230	751	4	20	2175	2132.5	4	10	2000	2115				23.65	23.64	-0.01
4A-4A-29A	4A	4A	29A		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2000	2115	29	10	9715	722.5				24.20	24.15	-0.05
4A-4A-71A	4A	4A	71A		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2000	2115	71	20	68761	634.5				24.20	24.17	-0.03
	71A	4A	4A		71	QPSK	20	133372	688	1	0	71	20	68836	642	4	20	2175	2132.5	4	10	2000	2115				24.07	23.93	-0.14
4A-48C	4A	48C	48C		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2				24.20	24.10	-0.10
12A-48C	12A	48C	48C		12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	48	20	56640	3690	48	20	56442	3670.2				24.15	24.08	-0.07
25A-25A-26A	25A	25A	26A		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	25	20	8590	1985	26	15	8865	876.5				24.21	24.13	-0.08
	26A	25A	25A		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	25	20	8365	1962.5	25	20	8590	1985				24.32	24.30	-0.02
25A-25A-41A	25A	25A	41A		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	25	20	8590	1985	41	20	40620	2593				24.21	24.21	0.00
25A-26A-41A	25A	26A	41A		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	26	15	8865	876.5	41	20	40620	2593				24.21	24.09	-0.12
	26A	41A	25A		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	41	20	40620	2593	25	20	8365	1962.5				24.32	24.30	-0.02
41A-41C	41A	41C	41C		41	QPSK	20	40620	2593	1	0	41	20	40620	2593	41	20	41490	2680	41	20	41292	2660.2				23.21	23.15	-0.06
	41C	41C	41A		41	QPSK	20	40620	2593	1	0	41	20	40620	2593	41	20	40818	2612.8	41	20	41490	2680				23.21	23.20	-0.01
48A-48C	48A	48C	48C		48	QPSK	20	56640	3690	1	49	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8				21.09	21.03	-0.06
	48C	48C	48A		48	QPSK	20	56640	3690	1	49	48	20	56640	3690	48	20	56442	3670.2	48	20	55340	3560				21.09	20.99	-0.10
48C-71A	71A	48C	48C		71	QPSK	20	133372	688	1	0	71	20	68836	642	48	20	56640	3690	48	20	56442	3670.2				24.07	24.03	-0.04
2A-2A-4A-4A	2A	2A	4A	4A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	4	10	2000	2115	24.18	24.12	-0.06
	4A	4A	2A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2000	2115	2	20	900	1960	2	20	1100	1980	24.20	24.18	-0.02
2A-2A-4A-5A	2A	2A	4A	5A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	24.18	24.05	-0.13
	4A	5A	2A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	5	10	2525	881.5	2	20	900	1960	2	20	1100	1980	24.20	24.15	-0.05
	5A	2A	2A	4A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.21	24.11	-0.10
2A-2A-4A-12A	2A	2A	4A	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	24.18	24.05	-0.13
	4A	12A	2A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	2	20	900	1960	2	20	1100	1980	24.20	24.14	-0.06
	12A	2A	2A	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.15	24.03	-0.12
2A-2A-4A-71A	2A	2A	4A	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	71	20	68761	634.5	24.18	24.10	-0.08
	4A	71A	2A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	71	20	68761	634.5	2	20	900	1960	2	20	1100	1980	24.20	24.12	-0.08
	71A	2A	2A	4A	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.07	24.00	-0.07
2A-2A-5A-7A	2A	2A	5A	7A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	7	20	3100	2535	24.18	24.10	-0.08
	5A	7A	2A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2535	2	20	900	1960	2	20	1100	1980	24.21	24.18	-0.03
	7A	2A	2A	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	22.71	22.59	-0.12
2A-2A-5A-30A	2A	2A	5A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.18	24.04	-0.14
	5A	30A	2A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	2	20	900	1960	2	20	1100	1980	24.21	24.09	-0.12
	30A	2A	2A	5A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	21.67	21.64	-0.03
2A-2A-5A-66A	2A	2A	5A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	24.18	24.11	-0.07
	5A	66A	2A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	24.21	24.09	-0.12
	66A	2A	2A	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	23.94	23.82	-0.12
2A-2A-7A-7A	2A	2A	7A	7A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	7	20	3350	2680	7	20	2850	2630	24.18	24.14	-0.04
	7A	7A	2A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	2	20	900	1960	2	20	1100	1980	22.71	22.71	0.00

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
2A-2A-7C	2A	2A	7C	7C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	7	20	3048	2649.8	7	20	2850	2630	24.18	24.06	-0.12
	7C	7C	2A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	2	20	900	1960	2	20	1100	1980	22.71	22.65	-0.06
2A-2A-7A-12A	2A	2A	7A	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	7	20	3100	2535	12	10	5095	737.5	24.18	24.09	-0.09
	7A	12A	2A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	2	20	900	1960	2	20	1100	1980	22.71	22.57	-0.14
	12A	2A	2A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	2	20	1100	1980	7	20	3100	2535	24.15	24.07	-0.08
2A-2A-7A-13A	2A	2A	7A	13A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	7	20	3100	2535	13	10	5230	751	24.18	24.14	-0.04
	7A	13A	2A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	2	20	900	1960	2	20	1100	1980	22.71	22.68	-0.03
	13A	2A	2A	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	2	20	900	1960	2	20	1100	1980	7	20	3100	2535	23.65	23.52	-0.13
2A-2A-7A-66A	2A	2A	7A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	7	20	3100	2535	66	20	66786	2145	24.18	24.18	0.00
	7A	66A	2A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	22.71	22.64	-0.07
	66A	2A	2A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	7	20	3100	2535	23.94	23.91	-0.03
2A-2A-12B	2A	2A	12B	12B	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	12	3	5035	731.5	24.18	24.04	-0.14
	12B	12B	2A	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	3	5035	731.5	2	20	900	1960	2	20	1100	1980	24.15	24.04	-0.11
2A-2A-12A-30A	2A	2A	12A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.18	24.06	-0.12
	12A	30A	2A	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	2	20	900	1960	2	20	1100	1980	24.15	24.09	-0.06
	30A	2A	2A	12A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	21.67	21.63	-0.04
2A-2A-12A-66A	2A	2A	12A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	66	20	66786	2145	24.18	24.18	0.00
	12A	66A	2A	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	24.15	24.02	-0.13
	66A	2A	2A	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	23.94	23.79	-0.15
2A-2A-13A-66A	2A	2A	13A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	13	10	5230	751	66	20	66786	2145	24.18	24.10	-0.08
	13A	66A	2A	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	23.65	23.64	-0.01
	66A	2A	2A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	13	10	5230	751	23.94	23.86	-0.08
2A-2A-14A-30A	2A	2A	14A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.18	24.18	0.00
	14A	30A	2A	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	2	20	900	1960	2	20	1100	1980	23.67	23.55	-0.12
	30A	2A	2A	14A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	2	20	900	1960	2	20	1100	1980	14	10	5330	763	21.67	21.54	-0.13
2A-2A-14A-66A	2A	2A	14A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	24.18	24.10	-0.08
	14A	66A	2A	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	23.67	23.64	-0.03
	66A	2A	2A	14A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	14	10	5330	763	23.94	23.86	-0.08
2A-2A-29A-30A	2A	2A	29A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	29	10	9715	722.5	30	10	9820	2355	24.18	24.08	-0.10
	30A	29A	2A	2A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	29	10	9715	722.5	2	20	900	1960	2	20	1100	1980	21.67	21.67	0.00
2A-2A-29A-66A	2A	2A	29A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	29	10	9715	722.5	66	20	66786	2145	24.18	24.07	-0.11
	66A	29A	2A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	2	20	900	1960	2	20	1100	1980	23.94	23.89	-0.05
2A-2A-30A-66A	2A	2A	30A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.18	24.10	-0.08
	30A	66A	2A	2A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	21.67	21.64	-0.03
	66A	2A	2A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	23.94	23.79	-0.15
2A-2A-66A-66A	2A	2A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	66536	2120	24.18	24.08	-0.10
	66A	66A	2A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	2	20	1100	1980	23.94	23.84	-0.10
2A-2A-66B	2A	2A	66B	66B	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	66	15	66786	2145	66	5	66879	2154.3	24.18	24.10	-0.08
	66B	66B	2A	2A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66879	2154.3	2	20	900	1960	2	20	1100	1980	23.83	23.70	-0.13
2A-2A-66C	2A	2A	66C	66C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	66984	2164.8	24.18	24.14	-0.04
	66C	66C	2A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	2	20	900	1960	2	20	1100	1980	23.94	23.81	-0.13
2C-66A-66A	2C	2C	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1979.8	1098	66	20	66786	2145	66	20	66536	2120	24.18	24.06	-0.12
	66A	66A	2C	2C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	2	20	1100	1980	23.94	23.83	-0.11
2A-2A-66A-71A	2A	2A	66A	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	71	20	68761	634.5	24.18	24.14	-0.04
	66A	71A	2A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	2	20	900	1960	2	20	1100	1980	23.94	23.79	-0.15
	71A	2A	2A	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	24.07	23.98	-0.09
2A-4A-4A-5A	2A	4A	4A	5A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	4	10	2000	2115	5	10	2525	881.5	24.18	24.03	-0.15
	4A	4A	5A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2000	2115	5	10	2525	881.5	2	20	900	1960	24.20	24.17	-0.03
	5A	2A	4A	4A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	2	20	900	1960	4	20	2175	2132.5	4	10	2000	2115	24.21	24.14	-0.07
2A-4A-4A-12A	2A	4A	4A	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	4	10	2000	2115	12	10	5095	737.5	24.18	24.06	-0.12
	4A	4A	12A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2000	2115	12	10	5095	737.5	2	20	900	1960	24.20	24.13	-0.07
	12A	2A	4A	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	4	20	2175	2132.5	4	10	2000	2115	24.15	24.13	-0.02
2A-4A-5A-30A	2A	4A	5A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	5	10	2525	881.5	30	10	9820	2355	24.18	24.04	-0.14
	4A	5A	30A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	5	10	2525	881.5	30	10	9820	2355	2	20	900	1960	24.20	24.13	-0.07
	5A	30A	2A	4A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	2	20	900	1960	4	20	2175	2132.5	24.21	24.07	-0.14
	30A	2A	4A	5A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	2	20	900	1960	4	20	2175	2132.5	5	10	2525	881.5	21.67	21.55	-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 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	PCC							PCC				SCC1				SCC2				SCC3								
	1st	2nd	3rd	4th	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)			
2A-4A-7A-7A	2A	4A	7A	7A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	7	20	3350	2680	7	20	2850	2630	24.18	24.08	-0.10
	4A	7A	7A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	7	20	3350	2680	7	20	2850	2630	2	20	900	1960	24.20	24.07	-0.13
	7A	7A	2A	4A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	2	20	900	1960	4	20	2175	2132.5	22.71	22.59	-0.12
2A-4A-7C	2A	4A	7C	7C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	7	20	3048	2649.8	7	20	2850	2630	24.18	24.05	-0.13
	4A	7C	7C	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	7	20	3048	2649.8	7	20	2850	2630	2	20	900	1960	24.20	24.18	-0.02
	7C	7C	2A	4A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	2	20	900	1960	4	20	2175	2132.5	22.71	22.64	-0.07
2A-4A-7A-12A	2A	4A	7A	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	7	20	3100	2535	12	10	5095	737.5	24.18	24.09	-0.09
	4A	7A	12A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	7	20	3100	2535	12	10	5095	737.5	2	20	900	1960	24.20	24.09	-0.11
	7A	12A	2A	4A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	2	20	900	1960	4	20	2175	2132.5	22.71	22.69	-0.02
	12A	2A	4A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	4	20	2175	2132.5	7	20	3100	2535	24.15	24.11	-0.04
2A-4A-12B	2A	4A	12B	12B	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	12	10	5095	737.5	12	3	5035	731.5	24.18	24.14	-0.04
	4A	12B	12B	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	12	3	5035	731.5	2	20	900	1960	24.20	24.13	-0.07
	12B	12B	2A	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	3	5035	731.5	2	20	900	1960	4	20	2175	2132.5	24.15	24.00	-0.15
2A-4A-12A-30A	2A	4A	12A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	24.18	24.15	-0.03
	4A	12A	30A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	2	20	900	1960	24.20	24.19	-0.01
	12A	30A	2A	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	2	20	900	1960	4	20	2175	2132.5	24.15	24.12	-0.03
	30A	2A	4A	12A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	2	20	900	1960	4	20	2175	2132.5	12	10	5095	737.5	24.67	24.60	-0.07
2A-4A-29A-30A	2A	4A	29A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	29	10	9715	722.5	30	10	9820	2355	24.18	24.09	-0.09
	4A	29A	30A	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	29	10	9715	722.5	30	10	9820	2355	2	20	900	1960	24.20	24.08	-0.12
	30A	29A	2A	4A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	29	10	9715	722.5	2	20	900	1960	4	20	2175	2132.5	24.67	24.62	-0.05
2A-5A-7A-7A	2A	5A	7A	7A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	7	20	3350	2680	7	20	2850	2630	24.18	24.05	-0.13
	5A	7A	7A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3350	2680	7	20	2850	2630	2	20	900	1960	24.21	24.21	0.00
	7A	7A	2A	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	2	20	900	1960	5	10	2525	881.5	22.71	22.60	-0.11
2A-5A-7C	2A	5A	7C	7C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	7	20	3048	2649.8	7	20	2850	2630	24.18	24.08	-0.10
	5A	7C	7C	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3048	2649.8	7	20	2850	2630	2	20	900	1960	24.21	24.11	-0.10
	7C	7C	2A	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	2	20	900	1960	5	10	2525	881.5	22.71	22.59	-0.12
2A-5A-7A-66A	2A	5A	7A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	7	20	3100	2535	66	20	66786	2145	24.18	24.12	-0.06
	5A	7A	66A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2535	66	20	66786	2145	2	20	900	1960	24.21	24.19	-0.02
	7A	66A	2A	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	2	20	900	1960	5	10	2525	881.5	22.71	22.62	-0.09
	66A	2A	5A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	5	10	2525	881.5	7	20	3100	2535	23.94	23.85	-0.09
2A-5A-30A-66A	2A	5A	30A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	24.18	24.13	-0.05
	5A	30A	66A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	2	20	900	1960	24.21	24.17	-0.04
	30A	66A	2A	5A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	66	20	66786	2145	2	20	900	1960	5	10	2525	881.5	24.67	24.57	-0.10
	66A	2A	5A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	23.94	23.82	-0.12
2A-5A-48C	2A	5A	48C	48C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	24.18	24.16	-0.02
	5A	48C	48C	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	2	20	900	1960	24.21	24.14	-0.07
2A-5A-48A-66A	2A	5A	48A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	48	20	56640	3690	66	20	66786	2145	24.18	24.11	-0.07
	5A	48A	66A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56207	3646.7	66	20	66786	2145	2	20	900	1960	24.21	24.18	-0.03
	66A	48A	2A	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56207	3646.7	2	20	900	1960	5	10	2525	881.5	23.94	23.87	-0.07
2A-5A-66A-66A	2A	5A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	66536	2120	24.18	24.04	-0.14
	5A	66A	66A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	24.21	24.08	-0.13
	66A	66A	2A	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	5	10	2525	881.5	23.94	23.84	-0.10
2A-5A-66B	2A	5A	66B	66B	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	66	15	66786	2145	66	5	66879	2154.3	24.18	24.12	-0.06
	5A	66B	66B	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	66	15	66786	2145	66	5	66879	2154.3	2	20	900	1960	24.21	24.14	-0.07
	66B	66B	2A	5A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66879	2154.3	2	20	900	1960	5	10	2525	881.5	23.83	23.78	-0.05
2A-5A-66C	2A	5A	66C	66C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	66984	2164.8	24.18	24.05	-0.13
	5A	66C	66C	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	66	20	66786	2145	66	20	66984	2164.8	2	20	900	1960	24.21	24.17	-0.04
	66C	66C	2A	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	2	20	900	1960	5	10	2525	881.5	23.94	23.83	-0.11
2A-7A-7A-13A	2A	7A	7A	13A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3350	2680	7	20	2850	2630	13	10	5230	751	24.18	24.05	-0.13
	7A	7A	13A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	13	10	5230	751	2	20	900	1960	22.71	22.60	-0.11
	13A	2A	7A	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	2	20	900	1960	7	20	3350	2680	7	20	2850	2630	23.65	23.59	-0.06
2A-7C-13A	2A	7C	7C	13A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3048	2649.8	7	20	2850	2630	13	10	5230	751	24.18	24.05	-0.13
	7C	7C	13A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	13	10	5230	751	2	20	900	1960	22.71	22.58	-0.13
	13A	2A	7C	7C	13	QPSK	10	23230	782	1	0	13	10	5230	751	2	20	900	1960	7	20	3048	2649.8	7	20	2850	2630	23.65	23.57	-0.08
2A-7A-7A-29A	2A	7A	7A	29A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3350	2680	7	20	2850	2630	29	10	9715	722.5	24.18	24.07	-0.11
	7A	7A	29A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	29	10	9715	722.5	2	20	900	1960	22.71	22.58	-0.13
2A-7C-29A	2A	7C	7C	29A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3048	2649.8	7	20	2850	2630	29	10	9715	722.5	24.18	24.14	-0.04
	7C	7C	29A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	29	10	9715	722.5	2	20	900	1960	22.71	22.66	-0.05

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																		
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3				LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	1st	2nd	3rd	4th	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)			
2A-7A-7A-66A	2A	7A	7A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3350	2680	7	20	2850	2630	66	20	66786	2145	24.18	24.08	-0.10
	7A	7A	66A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	66	20	66786	2145	2	20	900	1960	22.71	22.68	-0.03
	66A	2A	7A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	7	20	3350	2680	7	20	2850	2630	23.94	23.85	-0.09
2A-7C-66A	2A	7C	7C	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3048	2649.8	7	20	2850	2630	66	20	66786	2145	24.18	24.10	-0.08
	7C	7C	66A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	66	20	66786	2145	2	20	900	1960	22.71	22.68	-0.03
	66A	2A	7C	7C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	7	20	3048	2649.8	7	20	2850	2630	23.94	23.94	0.00
2A-7A-12B	2A	7A	12B	12B	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2535	12	10	5095	737.5	12	3	5035	731.5	24.18	24.10	-0.08
	7A	12B	12B	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	12	3	5035	731.5	2	20	900	1960	22.71	22.61	-0.10
	12B	12B	2A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	3	5035	731.5	2	20	900	1960	7	20	3100	2535	24.15	24.12	-0.03
2A-7A-12A-66A	2A	7A	12A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2535	12	10	5095	737.5	66	20	66786	2145	24.18	24.16	-0.02
	7A	12A	66A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	66	20	66786	2145	2	20	900	1960	22.71	22.62	-0.09
	12A	66A	2A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	2	20	900	1960	7	20	3100	2535	24.15	24.05	-0.10
	66A	2A	7A	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	7	20	3100	2535	12	10	5095	737.5	23.94	23.87	-0.07
2A-7A-13A-66A	2A	7A	13A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2535	13	10	5230	751	66	20	66786	2145	24.18	24.13	-0.05
	7A	13A	66A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	66	20	66786	2145	2	20	900	1960	22.71	22.69	-0.02
	13A	66A	2A	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	2	20	900	1960	7	20	3100	2535	23.65	23.65	0.00
	66A	2A	7A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	7	20	3100	2535	13	10	5230	751	23.94	23.81	-0.13
2A-7A-29A-66A	2A	7A	29A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2535	29	10	9715	722.5	66	20	66786	2145	24.18	24.10	-0.08
	7A	29A	66A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	29	10	9715	722.5	66	20	66786	2145	2	20	900	1960	22.71	22.70	-0.01
	66A	29A	2A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	2	20	900	1960	7	20	3100	2535	23.94	23.84	-0.10
2A-7A-66A-66A	2A	7A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2535	66	20	66786	2145	66	20	66536	2120	24.18	24.04	-0.14
	7A	66A	66A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	22.71	22.67	-0.04
	66A	66A	2A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	7	20	3100	2535	23.94	23.82	-0.12
2A-12B-66A	2A	12B	12B	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	12	3	5035	731.5	66	20	66786	2145	24.18	24.17	-0.01
	12B	12B	66A	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	3	5035	731.5	66	20	66786	2145	2	20	900	1960	24.15	24.11	-0.04
	66A	2A	12B	12B	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	12	10	5095	737.5	12	3	5035	731.5	23.94	23.81	-0.13
2A-12A-30A-66A	2A	12A	30A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	24.18	24.08	-0.10
	12A	30A	66A	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	2	20	900	1960	24.15	24.04	-0.11
	30A	66A	2A	12A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	66	20	66786	2145	2	20	900	1960	12	10	5095	737.5	21.67	21.64	-0.03
	66A	2A	12A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	23.94	23.88	-0.06
2A-12A-66A-66A	2A	12A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	66536	2120	24.18	24.09	-0.09
	12A	66A	66A	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	24.15	24.09	-0.06
	66A	66A	2A	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	12	10	5095	737.5	23.94	23.85	-0.09
2A-12A-66C	2A	12A	66C	66C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	66984	2164.8	24.18	24.05	-0.13
	12A	66C	66C	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	66	20	66984	2164.8	2	20	900	1960	24.15	24.02	-0.13
	66C	66C	2A	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	2	20	900	1960	12	10	5095	737.5	23.94	23.92	-0.02
2A-13A-48C	2A	13A	48C	48C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	24.18	24.16	-0.02
	13A	48C	48C	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	2	20	900	1960	23.65	23.53	-0.12
2A-13A-48A-66A	2A	13A	48A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	48	20	56207	3646.7	66	20	66786	2145	24.18	24.16	-0.02
	13A	48A	66A	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56207	3646.7	66	20	66786	2145	2	20	900	1960	23.65	23.60	-0.05
	66A	48A	2A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56207	3646.7	2	20	900	1960	13	10	5230	751	23.94	23.81	-0.13
2A-13A-66A-66A	2A	13A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	66	20	66786	2145	66	20	66536	2120	24.18	24.06	-0.12
	13A	66A	66A	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	23.65	23.58	-0.07
	66A	66A	2A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	13	10	5230	751	23.94	23.90	-0.04
2A-13A-66B	2A	13A	66B	66B	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	66	15	66786	2145	66	5	66879	2154.3	24.18	24.08	-0.10
	13A	66B	66B	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	15	66786	2145	66	5	66879	2154.3	2	20	900	1960	23.65	23.64	-0.01
	66B	66B	2A	13A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66879	2154.3	2	20	900	1960	13	10	5230	751	23.83	23.71	-0.12
2A-13A-66C	2A	13A	66C	66C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	66	20	66786	2145	66	20	66984	2164.8	24.18	24.03	-0.15
	13A	66C	66C	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	66	20	66984	2164.8	2	20	900	1960	23.65	23.55	-0.10
	66C	66C	2A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	2	20	900	1960	13	10	5230	751	23.94	23.94	0.00
2A-14A-30A-66A	2A	14A	30A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	24.18	24.11	-0.07
	14A	30A	66A	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	2	20	900	1960	23.67	23.66	-0.01
	30A	66A	2A	14A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	66	20	66786	2145	2	20	900	1960	14	10	5330	763	21.67	21.61	-0.06
	66A	2A	14A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	14	10	5330	763	30	10	9820	2355	23.94	23.84	-0.10
2A-14A-66A-66A	2A	14A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	14	10	5330	763	66	20	66786	2145	66	20	66536	2120	24.18	24.06	-0.12
	14A	66A	66A	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	23.67	23.59	-0.08
	66A	66A	2A	14A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	14	10	5330	763	23.94	23.83	-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 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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
2A-29A-30A-66A	2A	29A	30A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	66	20	66786	2145	24.18	24.05	-0.13
	30A	29A	66A	2A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	29	10	9715	722.5	66	20	66786	2145	2	20	900	1960	21.67	21.53	-0.14
	66A	29A	2A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	2	20	900	1960	30	10	9820	2355	23.94	23.86	-0.08
2A-29A-66A-66A	2A	29A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	29	10	9715	722.5	66	20	66786	2145	66	20	66536	2120	24.18	24.14	-0.04
	66A	66A	29A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	29	10	9715	722.5	2	20	900	1960	23.94	23.90	-0.04
2A-30A-66A-66A	2A	30A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	66536	2120	24.18	24.09	-0.09
	30A	66A	66A	2A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	21.67	21.63	-0.04
	66A	66A	2A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	2	20	900	1960	30	10	9820	2355	23.94	23.83	-0.11
2A-48A-48C	2A	48A	48C	48C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	24.18	24.05	-0.13
2A-48D	2A	48D	48D	48D	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	24.18	24.13	-0.05
2A-48A-48A-66A	2A	48A	48A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56640	3690	48	20	55340	3560	66	20	66786	2145	24.18	24.16	-0.02
	66A	48A	48A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	55340	3560	2	20	900	1960	23.94	23.85	-0.09
2A-48C-66A	2A	48C	48C	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56640	3690	48	20	56442	3670.2	66	20	66786	2145	24.18	24.11	-0.07
	66A	48C	48C	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	2	20	900	1960	23.94	23.86	-0.08
2A-48A-66A-66A	2A	48A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56207	3646.7	66	20	66786	2145	66	20	66536	2120	24.18	24.15	-0.03
	66A	66A	48A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	48	20	56207	3646.7	2	20	900	1960	23.94	23.79	-0.15
2A-66A-66A-66A	2A	66A	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	66	20	66536	2120	66	20	67036	2170	24.18	24.15	-0.03
	66A	66A	66A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	66	20	67036	2170	2	20	900	1960	23.94	23.93	-0.01
2A-66A-66B	2A	66A	66B	66B	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	66	15	67061	2172.5	66	5	66968	2163.2	24.18	24.18	0.00
	66A	66B	66B	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	15	67061	2172.5	66	5	66968	2163.2	2	20	900	1960	23.94	23.84	-0.10
	66B	66B	2A	66A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66879	2154.3	2	20	900	1960	66	20	66786	2145	23.83	23.77	-0.06
2A-66A-66A-71A	2A	66A	66A	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	66	20	66536	2120	71	20	68761	634.5	24.18	24.15	-0.03
	66A	66A	71A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	71	20	68761	634.5	2	20	900	1960	23.94	23.79	-0.15
	71A	2A	66A	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	66	20	66786	2145	66	20	66536	2120	24.07	24.03	-0.04
2A-66C-71A	2A	66C	66C	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	66	20	66984	2164.8	71	20	68761	634.5	24.18	24.07	-0.11
	66C	66C	71A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	71	20	68761	634.5	2	20	900	1960	23.94	23.80	-0.14
	71A	2A	66C	66C	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	66	20	66786	2145	66	20	66984	2164.8	24.07	23.95	-0.12
4A-4A-12B	4A	4A	12B	12B	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2000	2115	12	10	5095	737.5	12	3	5035	731.5	24.20	24.12	-0.08
	12B	12B	4A	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	3	5035	731.5	4	20	2175	2132.5	4	10	2000	2115	24.15	24.08	-0.07
4A-48D	4A	48D	48D	48D	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	24.20	24.09	-0.11
5A-5A-66A-66A	5A	5A	66A	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	5	5	2425	871.5	66	20	66786	2145	66	20	66536	2120	24.21	24.15	-0.06
	66A	66A	5A	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	5	10	2525	881.5	5	5	2425	871.5	23.94	23.86	-0.08
5A-5A-66B	5A	5A	66B	66B	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	5	5	2425	871.5	66	15	66786	2145	66	5	66879	2154.3	24.21	24.07	-0.14
	66B	66B	5A	5A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66879	2154.3	5	10	2525	881.5	5	5	2425	871.5	23.83	23.74	-0.09
5A-5A-66C	5A	5A	66C	66C	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	5	5	2425	871.5	66	20	66786	2145	66	20	66984	2164.8	24.21	24.12	-0.09
	66C	66C	5A	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	5	10	2525	881.5	5	5	2425	871.5	23.94	23.90	-0.04
5A-7A-7A-66A	5A	7A	7A	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3350	2680	7	20	2850	2630	66	20	66786	2145	24.21	24.12	-0.09
	7A	7A	66A	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	66	20	66786	2145	5	10	2525	881.5	22.71	22.68	-0.03
	66A	5A	7A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	5	10	2525	881.5	7	20	3350	2680	7	20	2850	2630	23.94	23.87	-0.07
5A-7C-66A	5A	7C	7C	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3048	2649.8	7	20	2850	2630	66	20	66786	2145	24.21	24.17	-0.04
	7C	7C	66A	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	66	20	66786	2145	5	10	2525	881.5	22.71	22.71	0.00
	66A	5A	7C	7C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	5	10	2525	881.5	7	20	3048	2649.8	7	20	2850	2630	23.94	23.81	-0.13
5A-7A-66A-66A	5A	7A	66A	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2535	66	20	66786	2145	66	20	66536	2120	24.21	24.20	-0.01
	7A	66A	66A	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	66	20	66536	2120	5	10	2525	881.5	22.71	22.59	-0.12
	66A	66A	5A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	5	10	2525	881.5	7	20	3100	2535	23.94	23.84	-0.10
5A-30A-66A-66A	5A	30A	66A	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	66	20	66536	2120	24.21	24.20	-0.01
	30A	66A	66A	5A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	66	20	66786	2145	66	20	66536	2120	5	10	2525	881.5	21.67	21.60	-0.07
	66A	66A	5A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	5	10	2525	881.5	30	10	9820	2355	23.94	23.84	-0.10
5A-48D	5A	48D	48D	48D	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	24.21	24.11	-0.10
5A-48C-66A	5A	48C	48C	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	66	20	66786	2145	24.21	24.06	-0.15
	66A	48C	48C	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	5	10	2525	881.5	23.94	23.92	-0.02
5A-48A-66A-66A	5A	48A	66A	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56207	3646.7	66	20	66786	2145	66	20	66536	2120	24.21	24.09	-0.12
	66A	66A	48A	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	48	20	56207	3646.7	5	10	2525	881.5	23.94	23.94	0.00
7A-7A-13A-66A	7A	7A	13A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	13	10	5230	751	66	20	66786	2145	22.71	22.62	-0.09
	13A	66A	7A	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	7	20	3350	2680	7	20	2850	2630	23.65	23.56	-0.09
	66A	7A	7A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3350	2680	7	20	2850	2630	13	10	5230	751	23.94	23.89	-0.05

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
7C-13A-66A	7C	7C	13A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	13	10	5230	751	66	20	66786	2145	22.71	22.58	-0.13
	13A	66A	7C	7C	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	7	20	3048	2649.8	7	20	2850	2630	23.65	23.52	-0.13
	66A	7C	7C	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3048	2649.8	7	20	2850	2630	13	10	5230	751	23.94	23.82	-0.12
7A-7A-25A-25A	7A	7A	25A	25A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	25	20	8365	1962.5	25	20	8590	1985	22.71	22.60	-0.11
	25A	25A	7A	7A	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	25	20	8590	1985	7	20	3350	2680	7	20	2850	2630	24.21	24.20	-0.01
7C-25A-25A	7C	7C	25A	25A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	25	20	8365	1962.5	25	20	8590	1985	22.71	22.67	-0.04
	25A	25A	7C	7C	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	25	20	8590	1985	7	20	3048	2649.8	7	20	2850	2630	24.21	24.07	-0.14
7A-7A-25A-66A	7A	7A	25A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	25	20	8365	1962.5	66	20	66786	2145	22.71	22.60	-0.11
	25A	66A	7A	7A	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	66	20	66786	2145	7	20	3350	2680	7	20	2850	2630	24.21	24.09	-0.12
	66A	7A	7A	25A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3350	2680	7	20	2850	2630	25	20	8365	1962.5	23.94	23.87	-0.07
7C-25A-66A	7C	7C	25A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	25	20	8365	1962.5	66	20	66786	2145	22.71	22.65	-0.06
	25A	66A	7C	7C	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	66	20	66786	2145	7	20	3048	2649.8	7	20	2850	2630	24.21	24.10	-0.11
	66A	7C	7C	25A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3048	2649.8	7	20	2850	2630	25	20	8365	1962.5	23.94	23.80	-0.14
7A-7A-29A-66A	7A	7A	29A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	29	10	9715	722.5	66	20	66786	2145	22.71	22.58	-0.13
	66A	29A	7A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	7	20	3350	2680	7	20	2850	2630	23.94	23.91	-0.03
7C-29A-66A	7C	7C	29A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	29	10	9715	722.5	66	20	66786	2145	22.71	22.69	-0.02
	66A	29A	7C	7C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	7	20	3048	2649.8	7	20	2850	2630	23.94	23.93	-0.01
7A-7A-66A-66A	7A	7A	66A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	2850	2630	66	20	66786	2145	66	20	66536	2120	22.71	22.61	-0.10
	66A	66A	7A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	7	20	3350	2680	7	20	2850	2630	23.94	23.82	-0.12
7C-66A-66A	7C	7C	66A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	66	20	66786	2145	66	20	66536	2120	22.71	22.64	-0.07
	66A	66A	7C	7C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	7	20	3048	2649.8	7	20	2850	2630	23.94	23.90	-0.04
7A-12A-66A-66A	7A	12A	66A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	66	20	66786	2145	66	20	66536	2120	22.71	22.58	-0.13
	12A	66A	66A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	66	20	66536	2120	7	20	3100	2535	24.15	24.10	-0.05
	66A	66A	7A	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	7	20	3100	2535	12	10	5095	737.5	23.94	23.85	-0.09
7A-12B-66A	7A	12B	12B	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	12	3	5035	731.5	66	20	66786	2145	22.71	22.66	-0.05
	12B	12B	66A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	3	5035	731.5	66	20	66786	2145	7	20	3100	2535	24.15	24.02	-0.13
	66A	7A	12B	12B	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3100	2535	12	10	5095	737.5	12	3	5035	731.5	23.94	23.84	-0.10
7A-25A-25A-66A	7A	25A	25A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	25	20	8365	1962.5	25	20	8590	1985	66	20	66786	2145	22.71	22.63	-0.08
	25A	25A	66A	7A	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	25	20	8590	1985	66	20	66786	2145	7	20	3100	2535	24.21	24.07	-0.14
	66A	7A	25A	25A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3100	2535	25	20	8365	1962.5	25	20	8590	1985	23.94	23.84	-0.10
12B-66A-66A	12B	12B	66A	66A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	3	5035	731.5	66	20	66786	2145	66	20	66536	2120	24.15	24.01	-0.14
	66A	66A	12B	12B	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	12	10	5095	737.5	12	3	5035	731.5	23.94	23.88	-0.06
12A-30A-66A-66A	12A	30A	66A	66A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	66536	2120	24.15	24.03	-0.12
	30A	66A	66A	12A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	66	20	66786	2145	66	20	66536	2120	12	10	5095	737.5	21.67	21.59	-0.08
	66A	66A	12A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	12	10	5095	737.5	30	10	9820	2355	23.94	23.91	-0.03
13A-48D	13A	48D	48D	48D	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	23.65	23.61	-0.04
13A-48C-66A	13A	48C	48C	66A	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	66	20	66786	2145	23.65	23.52	-0.13
	66A	48C	48C	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	13	10	5230	751	23.94	23.90	-0.04
13A-48A-66B	13A	48A	66B	66B	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56207	3646.7	66	15	66786	2145	66	5	66879	2154.3	23.65	23.57	-0.08
	66B	66B	48A	13A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66879	2154.3	48	20	56207	3646.7	13	10	5230	751	23.83	23.71	-0.12
13A-48A-66C	13A	48A	66C	66C	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56207	3646.7	66	20	66786	2145	66	20	66984	2164.8	23.65	23.52	-0.13
	66C	66C	48A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	48	20	56207	3646.7	13	10	5230	751	23.94	23.91	-0.03
13A-66A-66B	13A	66A	66B	66B	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	66	15	67061	2172.5	66	5	66968	2163.2	23.65	23.57	-0.08
	66A	66B	66B	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	15	67061	2172.5	66	5	66968	2163.2	13	10	5230	751	23.94	23.83	-0.11
	66B	66B	13A	66A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66879	2154.3	13	10	5230	751	66	20	66786	2145	23.83	23.81	-0.02
13A-66A-66C	13A	66A	66C	66C	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66536	2120	66	20	66786	2145	66	20	66984	2164.8	23.65	23.52	-0.13
	66A	66C	66C	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66786	2145	66	20	66984	2164.8	13	10	5230	751	23.94	23.87	-0.07
	66C	66C	13A	66A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	13	10	5230	751	66	20	66536	2120	23.94	23.89	-0.05
13A-66D	13A	66D	66D	66D	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66536	2120	66	20	66734	2139.8	66	20	66932	2159.6	23.65	23.51	-0.14
	66D	66D	66D	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	66	20	67182	2184.6	13	10	5230	751	23.94	23.85	-0.09
14A-30A-66A-66A	14A	30A	66A	66A	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	66536	2120	23.67	23.57	-0.10
	30A	66A	66A	14A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	66	20	66786	2145	66	20	66536	2120	14	10	5330	763	21.67	21.65	-0.02
	66A	66A	14A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	14	10	5330	763	30	10	9820	2355	23.94	23.84	-0.10
25A-25A-41C	25A	25A	41C	41C	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	25	20	8590	1985	41	20	41490	2680	41	20	41292	2660.2	24.21	24.15	-0.06
25A-26A-41C	25A	26A	41C	41C	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	26	15	8865	876.5	41	20	41490	2680	41	20	41292	2660.2	24.21	24.11	-0.10
	26A	41C	41C	25A	26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	41	20	41490	2680	41	20	41292	2660.2	25	20	8365	1962.5	24.32	24.18	-0.14
25A-41D	25A	41D	41D	41D	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	41	20	41490	2680	41	20	41292	2660.2	41	20	41094	2640.4	24.21	24.17	-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 configuration (BCS)	Bands				UL							DL																LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
29A-30A-66A-66A	30A	29A	66A	66A	30	QPSK	10	27710	2310	1	0	30	10	9820	2355	29	10	9715	722.5	66	20	66786	2145	66	20	66536	2120	21.67	21.53	-0.14
	66A	66A	29A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	29	10	9715	722.5	30	10	9820	2355	23.94	23.88	-0.06
41A-41D	41A	41D	41D	41D	41	QPSK	20	40620	2593	1	0	41	20	40620	2593	41	20	41490	2680	41	20	41292	2660.2	41	20	41094	2640.4	23.21	23.11	-0.10
	41D	41D	41D	41A	41	QPSK	20	40620	2593	1	0	41	20	40620	2593	41	20	40818	2612.8	41	20	41016	2632.6	41	20	41490	2680	23.21	23.14	-0.07
41C-41C	41C	41C	41C	41C	41	QPSK	20	40620	2593	1	0	41	20	40620	2593	41	20	40818	2612.8	41	20	41490	2680	41	20	41292	2660.2	23.21	23.09	-0.12
41E	41E	41E	41E	41E	41	QPSK	20	40620	2593	1	0	41	20	40620	2593	41	20	40818	2612.8	41	20	41016	2632.6	41	20	41214	2652.4	23.21	23.19	-0.02
48A-48D	48A	48D	48D	48D	48	QPSK	20	56640	3690	1	49	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	48	20	55736	3599.6	21.09	21.06	-0.03
	48D	48D	48D	48A	48	QPSK	20	56640	3690	1	49	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	55340	3560	21.09	21.04	-0.05
48C-48C	48C	48C	48C	48C	48	QPSK	20	56640	3690	1	49	48	20	56640	3690	48	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8	21.09	21.05	-0.04
48E	48E	48E	48E	48E	48	QPSK	20	56640	3690	1	49	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	48	20	56046	3630.6	21.09	21.06	-0.03
48A-48C-66A	66A	48A	48C	48C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	23.94	23.81	-0.13
48A-48A-66A-66A	66A	66A	48A	48A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	48	20	56640	3690	48	20	55340	3560	23.94	23.84	-0.10
48A-48A-66B	66B	66B	48A	48A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66879	2154.3	48	20	56640	3690	48	20	55340	3560	23.83	23.73	-0.10
48A-48A-66C	66C	66C	48A	48A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	48	20	56640	3690	48	20	55340	3560	23.94	23.90	-0.04
48C-66A-66A	66A	66A	48C	48C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66536	2120	48	20	56640	3690	48	20	56442	3670.2	23.94	23.85	-0.09
48C-66B	66B	66B	48C	48C	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66879	2154.3	48	20	56640	3690	48	20	56442	3670.2	23.83	23.70	-0.13
48C-66C	66C	66C	48C	48C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	66984	2164.8	48	20	56640	3690	48	20	56442	3670.2	23.94	23.91	-0.03
48D-66A	66A	48D	48D	48D	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	23.94	23.90	-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

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
4A-[48A]	4A	[48A]			4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	[48]	20	56640	3690									24.20	24.18	-0.02
[4A]-48A	[4A]	48A			[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	48	20	56640	3690									24.20	24.19	-0.01
[4A]-[48A]	[4A]	[48A]			[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[48]	20	56640	3690									24.20	24.11	-0.09
5A-[25A]	5A	[25A]			5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[25]	20	8365	1962.5									24.21	24.17	-0.04
	[25A]	5A			[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	5	20	8365	1962.5									24.21	24.13	-0.08
12A-[25A]	12A	[25A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[25]	20	8365	1962.5									24.15	24.09	-0.06
	[25A]	12A			[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	12	10	5095	737.5									24.21	24.12	-0.09
12A-[48A]	12A	[48A]			12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[48]	20	56640	3690									24.15	24.11	-0.04
41A-[41A]	41A	[41A]			41	QPSK	20	40620	2593	1	99	41	20	40620	2593	[41]	20	41490	2680									23.21	23.19	0.02
	[41A]	41A			[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	41	20	41490	2680									23.21	23.15	0.06
	[41A]	41A			[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	41	20	41490	2680									23.21	23.19	0.02
	41A	[41A]			41	QPSK	20	40620	2593	1	99	41	20	40620	2593	[41]	20	41490	2680									23.21	23.11	0.10
[41A]-41A	41A	[41A]			41	QPSK	20	40620	2593	1	99	41	20	40620	2593	[41]	20	41490	2680									23.21	23.16	0.05
	[41A]	41A			[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	41	20	41490	2680									23.21	23.20	0.01
	[41A]	41A			[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	41	20	41490	2680									23.21	23.14	0.07
	41A	[41A]			41	QPSK	20	40620	2593	1	99	41	20	40620	2593	[41]	20	41490	2680									23.21	23.17	0.04
[41A]-[41A]	[41A]	[41A]			[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	[41]	20	41490	2680									23.21	23.19	0.02
[48A]-48A	[48A]	48A			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	48	20	55340	3560									21.09	21.08	-0.01
	48A	[48A]			48	QPSK	20	56640	3690	1	0	48	20	56640	3690	[48]	20	55340	3560									21.09	21.08	-0.01
[48A]-[48A]	[48A]	[48A]			[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	55340	3560									21.09	21.06	-0.03
[48B]	[48B]	[48B]			[48]	QPSK	10	56690	3695	1	49	[48]	20	56690	3695	[48]	10	56591	3685.1									21.09	21.04	-0.05
[48A]-71A	71A	[48A]			71	QPSK	20	133372	688	1	0	71	20	68836	642	[48]	20	56640	3690									24.07	24.06	-0.01
[2A]-[2A]-[4A]	[2A]	[2A]	[4A]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	[4]	20	2175	2132.5					24.18	24.16	-0.02
	[4A]	[2A]	[2A]		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[2]	20	900	1960	[2]	20	1100	1980					24.20	24.11	-0.09
[2A]-[2A]-[66A]	[2A]	[2A]	[66A]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	[66]	20	66786	2145					24.18	24.15	-0.03
	[66A]	[2A]	[2A]		[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980					23.94	23.86	-0.08
[2C]-[66A]	[2C]	[2C]	[66A]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1098	1979.8	[66]	20	66786	2145					24.18	24.15	-0.03
	[66A]	[2C]	[2C]		[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	[2]	20	1098	1979.8					23.94	23.86	-0.08
[2A]-[4A]-[4A]	[2A]	[4A]	[4A]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	[4]	10	2350	2150					24.18	24.16	-0.02
	[4A]	[4A]	[2A]		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[4]	10	2350	2150	[2]	20	900	1960					24.20	24.14	-0.06
2A-[4A]-13A	2A	[4A]	13A		2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	13	10	5230	751					24.18	24.13	-0.05
	[4A]	13A	2A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	13	10	5230	751	2	20	900	1960					24.20	24.18	-0.02
	13A	2A	[4A]		13	QPSK	10	23230	782	1	0	13	10	5230	751	2	20	900	1960	[4]	20	2175	2132.5					23.65	23.55	-0.10
[2A]-4A-13A	[2A]	4A	13A		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	13	10	5230	751					24.18	24.17	-0.01
	4A	13A	[2A]		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	13	10	5230	751	[2]	20	900	1960					24.20	24.17	-0.03
	13A	[2A]	4A		13	QPSK	10	23230	782	1	0	13	10	5230	751	[2]	20	900	1960	4	20	2175	2132.5					23.65	23.55	-0.10
[2A]-[4A]-13A	[2A]	[4A]	13A		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	13	10	5230	751					24.18	24.18	0.00
	[4A]	13A	[2A]		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	13	10	5230	751	[2]	20	900	1960					24.20	24.15	-0.05
	13A	[2A]	[4A]		13	QPSK	10	23230	782	1	0	13	10	5230	751	[2]	20	900	1960	[4]	20	2175	2132.5					23.65	23.61	-0.04
[2A]-[48A]-[48A]	[2A]	[48A]	[48A]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[48]	20	56640	3690	[48]	20	55340	3560					24.18	24.16	-0.02
[2A]-[48C]	[2A]	[48C]	[48C]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[48]	20	56640	3690	[48]	20	56442	3670.2					24.18	24.10	-0.08
[2A]-[48A]-[66A]	[2A]	[48A]	[66A]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[48]	20	56640	3690	[66]	20	66786	2145					24.18	24.15	-0.03
	[66A]	[48A]	[2A]		[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[48]	20	56640	3690	[2]	20	900	1960					23.94	23.88	-0.06
[2A]-[66A]-[66A]	[2A]	[66A]	[66A]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[66]	20	66786	2145	[66]	20	67036	2170					24.18	24.12	-0.06
	[66A]	[66A]	[2A]		[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	[2]	20	900	1960					23.94	23.86	-0.08
[2A]-[66B]	[2A]	[66B]	[66B]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[66]	15	66786	2145	[66]	5	66693	2135.7					24.18	24.18	0.00
	[66B]	[66B]	[2A]		[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	[2]	20	900	1960					23.83	23.76	-0.07
[2A]-[66C]	[2A]	[66C]	[66C]		[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[66]	20	66536	2120	[66]	20	66734	2139.8					24.18	24.13	-0.05
	[66C]	[66C]	[2A]		[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	[2]	20	900	1960					23.81	23.72	-0.09
4A-[4A]-7A	4A	[4A]	7A		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	[4]	10	2350	2150	7	20	3100	2655					24.20	24.19	-0.01
	[4A]	7A	4A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	7	20	3100	2655	4	10	2350	2150					24.20	24.17	-0.03
	7A	4A	[4A]		7	QPSK	20	21350	2560	1	0	7	20	3350	2680	4	20	2175	2132.5	[4]	10	2350	2150					22.71	22.64	-0.07
	[4A]	4A	7A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	7	20	3100	2655					24.20	24.19	-0.01
	4A	7A	[4A]		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	7	20	3100	2655	[4]	10	2350	2150					24.20	24.16	-0.04
	7A	[4A]	4A		7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[4]	20	2175	2132.5	4	10	2350	2150					22.71	22.68	-0.03

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[4A]-4A-7A	4A	[4A]	7A		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	[4]	10	2350	2150	7	20	3100	2655					24.20	24.13	-0.07
	[4A]	7A	4A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	7	20	3100	2655	4	10	2350	2150					24.20	24.19	-0.01
	7A	4A	[4A]		7	QPSK	20	21350	2560	1	0	7	20	3350	2680	4	20	2175	2132.5	[4]	10	2350	2150					22.71	22.61	-0.10
	[4A]	4A	7A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	7	20	3100	2655					24.20	24.13	-0.07
	4A	7A	[4A]		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	7	20	3100	2655	[4]	10	2350	2150					24.20	24.11	-0.09
	7A	[4A]	4A		7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[4]	20	2175	2132.5	4	10	2350	2150					22.71	22.71	0.00
[4A]-[4A]-7A	[4A]	[4A]	7A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[4]	10	2350	2150	7	20	3100	2655					24.20	24.18	-0.02
	7A	[4A]	[4A]		7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[4]	20	2175	2132.5	[4]	10	2350	2150					22.71	22.64	-0.07
[4A]-4A-13A	[4A]	4A	13A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	13	10	5230	751					24.20	24.14	-0.06
	4A	13A	[4A]		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	13	10	5230	751	[4]	10	2350	2150					24.20	24.14	-0.06
	13A	[4A]	4A		13	QPSK	10	23230	782	1	0	13	10	5230	751	[4]	20	2175	2132.5	4	10	2350	2150					23.65	23.62	-0.03
[4A]-[4A]-13A	[4A]	[4A]	13A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[4]	10	2350	2150	13	10	5230	751					24.20	24.10	-0.10
	13A	[4A]	[4A]		13	QPSK	10	23230	782	1	0	13	10	5230	751	[4]	20	2175	2132.5	[4]	10	2350	2150					23.65	23.63	-0.02
[4A]-4A-29A	[4A]	4A	29A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	29	10	9715	722.5					24.20	24.17	-0.03
	4A	29A	[4A]		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	29	10	9715	722.5	[4]	10	2350	2150					24.20	24.15	-0.05
4A-[4A]-71A	4A	[4A]	71A		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	[4]	10	2350	2150	71	20	68761	634.5					24.20	24.14	-0.06
	[4A]	71A	4A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	71	20	68761	634.5	4	10	2350	2150					24.20	24.14	-0.06
	71A	4A	[4A]		71	QPSK	20	133372	688	1	0	71	20	68836	642	4	20	2175	2132.5	[4]	10	2350	2150					24.07	24.06	-0.01
	[4A]	4A	71A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	71	20	68761	634.5					24.20	24.18	-0.02
	4A	71A	[4A]		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	71	20	68761	634.5	[4]	10	2350	2150					24.20	24.19	-0.01
	71A	[4A]	4A		71	QPSK	20	133372	688	1	0	71	20	68836	642	[4]	20	2175	2132.5	4	10	2350	2150					24.07	24.07	0.00
[4A]-4A-71A	4A	[4A]	71A		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	[4]	10	2350	2150	71	20	68761	634.5					24.20	24.15	-0.05
	[4A]	71A	4A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	71	20	68761	634.5	4	10	2350	2150					24.20	24.18	-0.02
	71A	4A	[4A]		71	QPSK	20	133372	688	1	0	71	20	68836	642	4	20	2175	2132.5	[4]	10	2350	2150					24.07	24.06	-0.01
	[4A]	4A	71A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	71	20	68761	634.5					24.20	24.11	-0.09
	4A	71A	[4A]		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	71	20	68761	634.5	[4]	10	2350	2150					24.20	24.11	-0.09
	71A	[4A]	4A		71	QPSK	20	133372	688	1	0	71	20	68836	642	[4]	20	2175	2132.5	4	10	2350	2150					24.07	24.07	0.00
[4A]-[4A]-71A	[4A]	[4A]	71A		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[4]	10	2350	2150	71	20	68761	634.5					24.20	24.15	-0.05
	71A	[4A]	[4A]		71	QPSK	20	133372	688	1	0	71	20	68836	642	[4]	20	2175	2132.5	[4]	10	2350	2150					24.07	24.06	-0.01
4A-[48C]	4A	[48C]	[48C]		4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	[48]	20	56640	3690	[48]	20	56442	3670.2					24.20	24.14	-0.06
[4A]-48C	[4A]	48C	48C		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2					24.20	24.14	-0.06
[4A]-[48C]	[4A]	[48C]	[48C]		[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[48]	20	56640	3690	[48]	20	56442	3670.2					24.20	24.18	-0.02
12A-[48C]	12A	[48C]	[48C]		12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[48]	20	56640	3690	[48]	20	56442	3670.2					24.15	24.11	-0.04
25A-[25A]-26A	25A	[25A]	26A		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	26	15	8865	876.5					24.21	24.20	-0.01
	[25A]	26A	25A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	26	15	8865	876.5	25	20	8590	1985					24.21	24.17	-0.04
	26A	25A	[25A]		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	25	20	8365	1962.5	[25]	20	8590	1985					24.32	24.30	-0.02
	[25A]	25A	26A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	26	15	8865	876.5					24.21	24.11	-0.10
	25A	26A	[25A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	26	15	8865	876.5	[25]	20	8590	1985					24.21	24.12	-0.09
	26A	[25A]	25A		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	[25]	20	8365	1962.5	25	20	8590	1985					24.32	24.27	-0.05
[25A]-25A-26A	25A	[25A]	26A		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	26	15	8865	876.5					24.21	24.16	-0.05
	[25A]	26A	25A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	26	15	8865	876.5	25	20	8590	1985					24.21	24.17	-0.04
	26A	25A	[25A]		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	25	20	8365	1962.5	[25]	20	8590	1985					24.32	24.23	-0.09
	[25A]	25A	26A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	26	15	8865	876.5					24.21	24.12	-0.09
	25A	26A	[25A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	26	15	8865	876.5	[25]	20	8590	1985					24.21	24.17	-0.04
	26A	[25A]	25A		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	[25]	20	8365	1962.5	25	20	8590	1985					24.32	24.23	-0.09
[25A]-[25A]-26A	[25A]	[25A]	26A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[25]	20	8590	1985	26	15	8865	876.5					24.21	24.12	-0.09
	26A	[25A]	[25A]		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	[25]	20	8365	1962.5	[25]	20	8590	1985					24.32	24.24	-0.08
[25A]-[25A]-66A	[25A]	[25A]	66A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[25]	20	8590	1985	66	20	66786	2145					24.21	24.12	-0.09
	66A	[25A]	[25A]		66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[25]	20	8365	1962.5	[25]	20	8590	1985					23.94	23.89	-0.05
[25A]-[25A]-[66A]	[25A]	[25A]	[66A]		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[25]	20	8590	1985	[66]	20	66786	2145					24.21	24.14	-0.07
	[66A]	[25A]	[25A]		[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[25]	20	8365	1962.5	[25]	20	8590	1985					23.94	23.88	-0.06
25A-25A-[41A]	25A	25A	[41A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	25	20	8590	1985	[41]	20	40620	2593					24.21	24.14	-0.07
25A-[25A]-41A	25A	[25A]	41A		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	41	20	40620	2593					24.21	24.16	-0.05
	[25A]	41A	25A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	41	20	40620	2593	25	20	8590	1985					24.21	24.20	-0.01
	[25A]	25A	41A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	41	20	40620	2593					24.21	24.19	-0.02
	25A	41A	[25A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	41	20	40620	2593	[25]	20	8590	1985					24.21	24.11	-0.10

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[25A]-25A-41A	25A	[25A]	41A		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	41	20	40620	2593					24.21	24.16	-0.05
	[25A]	41A	25A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	41	20	40620	2593	25	20	8590	1985					24.21	24.20	-0.01
	[25A]	25A	41A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	41	20	40620	2593					24.21	24.15	-0.06
	25A	41A	[25A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	41	20	40620	2593	[25]	20	8590	1985					24.21	24.14	-0.07
25A-[25A]-[41A]	25A	[25A]	[41A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	[41]	20	40620	2593					24.21	24.14	-0.07
	[25A]	[41A]	25A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[41]	20	40620	2593	25	20	8590	1985					24.21	24.17	-0.04
	[25A]	25A	[41A]		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	[41]	20	40620	2593					24.21	24.17	-0.04
	25A	[41A]	[25A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[41]	20	40620	2593	[25]	20	8590	1985					24.21	24.17	-0.04
[25A]-25A-[41A]	25A	[25A]	[41A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	[41]	20	40620	2593					24.21	24.16	-0.05
	[25A]	[41A]	25A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[41]	20	40620	2593	25	20	8590	1985					24.21	24.12	-0.09
	[25A]	25A	[41A]		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	[41]	20	40620	2593					24.21	24.12	-0.09
	25A	[41A]	[25A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[41]	20	40620	2593	[25]	20	8590	1985					24.21	24.18	-0.03
[25A]-[25A]-41A	[25A]	[25A]	41A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[25]	20	8590	1985	41	20	40620	2593					24.21	24.16	-0.05
[25A]-[25A]-[41A]	[25A]	[25A]	[41A]		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[25]	20	8590	1985	[41]	20	40620	2593					24.21	24.19	-0.02
25A-26A-[41A]	25A	26A	[41A]		25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	26	15	8865	876.5	[41]	20	40620	2593					24.21	24.11	-0.10
	26A	[41A]	25A		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	[41]	20	40620	2593	25	20	8365	1962.5					24.32	24.32	0.00
[25A]-26A-41A	[25A]	26A	41A		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	26	15	8865	876.5	41	20	40620	2593					24.21	24.15	-0.06
	26A	41A	[25A]		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	41	20	40620	2593	[25]	20	8365	1962.5					24.32	24.31	-0.01
[25A]-26A-[41A]	[25A]	26A	[41A]		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	26	15	8865	876.5	[41]	20	40620	2593					24.21	24.20	-0.01
	26A	[41A]	[25A]		26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	[41]	20	40620	2593	[25]	20	8365	1962.5					24.32	24.23	-0.09
[25A]-[41C]	[25A]	[41C]	[41C]		[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[41]	20	40620	2593	[41]	20	40422	2573.2					24.21	24.12	-0.09
41A-[41C]	41A	[41C]	[41C]		41	QPSK	20	40620	2593	1	99	41	20	40620	2593	[41]	20	41490	2680	[41]	20	41292	2660.2					23.21	23.13	0.08
	[41C]	[41C]	41A		[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	[41]	20	40422	2573.2	41	20	41490	2680					23.21	23.10	0.11
[41A]-41C	[41A]	41C	41C		[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	41	20	41490	2680	41	20	41292	2660.2					23.21	23.10	0.11
	41C	41C	[41A]		41	QPSK	20	40620	2593	1	99	41	20	40620	2593	41	20	40422	2573.2	[41]	20	41490	2680					23.21	23.20	0.01
[41A]-[41C]	[41A]	[41C]	[41C]		[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	[41]	20	41490	2680	[41]	20	41292	2660.2					23.21	23.15	0.06
	[41C]	[41C]	[41A]		[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	[41]	20	40422	2573.2	[41]	20	41490	2680					23.21	23.15	0.06
[41D]	[41D]	[41D]	[41D]		[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	[41]	20	40422	2573.2	[41]	20	40224	2553.4					23.21	23.13	0.08
48A-[48C]	48A	[48C]	[48C]		48	QPSK	20	56640	3690	1	0	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8					21.09	21.04	-0.05
	[48C]	[48C]	48A		[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	48	20	55340	3560					21.09	21.06	-0.03
[48A]-48C	[48A]	48C	48C		[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8					21.09	21.06	-0.03
	48C	48C	[48A]		48	QPSK	20	56640	3690	1	0	48	20	56640	3690	48	20	56442	3670.2	[48]	20	55340	3560					21.09	21.04	-0.05
[48A]-[48C]	[48A]	[48C]	[48C]		[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8					21.09	21.02	-0.07
	[48C]	[48C]	[48A]		[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	55340	3560					21.09	21.06	-0.03
[48D]	[48D]	[48D]	[48D]		[48]	QPSK	20	56640	3690	1	0	[48]	20	56640	3690	[48]	20	56442	3670.2	[48]	20	56244	3650.4					21.09	21.06	-0.03
[48A]-[48A]-[66A]	[66A]	[48A]	[48A]		[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[48]	20	56640	3690	[48]	20	55340	3560					23.94	23.88	-0.06
[48C]-71A	71A	[48C]	[48C]		71	QPSK	20	133372	688	1	0	71	20	68836	642	[48]	20	56640	3690	[48]	20	56442	3670.2					24.07	24.01	-0.06
[48A]-[66A]-[66A]	[66A]	[66A]	[48A]		[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	[48]	20	56640	3690					23.94	23.87	-0.07
[48A]-[66B]	[66B]	[66B]	[48A]		[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	[48]	20	56640	3690					23.83	23.75	-0.08
[48A]-[66C]	[66C]	[66C]	[48A]		[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	[48]	20	56640	3690					23.81	23.75	-0.06
[48C]-[66A]	[66A]	[48C]	[48C]		[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[48]	20	56640	3690	[48]	20	56442	3670.2					23.94	23.87	-0.07
[66A]-[66B]	[66A]	[66B]	[66B]		[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	15	67061	2172.5	[66]	5	66968	2163.2					23.94	23.86	-0.08
	[66B]	[66B]	[66A]		[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	[66]	20	67036	2170					23.83	23.77	-0.06
[66A]-[66C]	[66A]	[66C]	[66C]		[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	67036	2170	[66]	20	66838	2150.2					23.81	23.71	-0.10
	[66C]	[66C]	[66A]		[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	[66]	20	67036	2170					23.81	23.81	0.00
[66D]	[66D]	[66D]	[66D]		[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	[66]	20	66932	2159.6					23.81	23.78	-0.03
2A-2A-[4A]-4A	2A	2A	[4A]	4A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	4	10	2350	2150	24.18	24.09	-0.09
	[4A]	4A	2A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	2	20	900	1960	2	20	1100	1980	24.20	24.19	-0.01
	4A	2A	2A	[4A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	2	20	900	1960	2	20	1100	1980	[4]	10	2350	2150	24.20	24.18	-0.02
[2A]-2A-4A-4A	[2A]	2A	4A	4A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.18	24.10	-0.08
	2A	4A	4A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	[2]	20	1100	1980	24.18	24.15	-0.03
	4A	4A	[2A]	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2350	2150	[2]	20	900	1960	2	20	1100	1980	24.20	24.11	-0.09
2A-2A-[4A]-[4A]	2A	2A	[4A]	[4A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	[4]	10	2350	2150	24.18	24.08	-0.10
	[4A]	[4A]	2A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[4]	10	2350	2150	2	20	900	1960	2	20	1100	1980	24.20	24.15	-0.05
[2A]-[2A]-4A-4A	[2A]	[2A]	4A	4A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.18	24.12	-0.06
	4A	4A	[2A]	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2350	2150	[2]	20	900	1960	[2]	20	1100	1980	24.20	24.14	-0.06
2A-2A-[4A]-5A	2A	2A	[4A]	5A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	5	10	2525	881.5	24.18	24.13	-0.05
	[4A]	5A	2A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	5	10	2525	881.5	2	20	900	1960	2	20	1100	1980	24.20	24.16	-0.04
	5A	2A	2A	[4A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	2	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	24.21	24.21	0.00

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-2A-4A-5A	[2A]	2A	4A	5A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	24.18	24.17	-0.01
	2A	4A	5A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	5	10	2525	881.5	[2]	20	1100	1980	24.18	24.08	-0.10
	4A	5A	[2A]	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	5	10	2525	881.5	[2]	20	900	1960	2	20	1100	1980	24.20	24.16	-0.04
	5A	[2A]	2A	4A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[2]	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.21	24.18	-0.03
[2A]-2A-[4A]-5A	[2A]	2A	[4A]	5A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	5	10	2525	881.5	24.18	24.13	-0.05
	2A	[4A]	5A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	5	10	2525	881.5	[2]	20	1100	1980	24.18	24.16	-0.02
	[4A]	5A	[2A]	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	5	10	2525	881.5	[2]	20	900	1960	2	20	1100	1980	24.20	24.17	-0.03
	5A	[2A]	2A	[4A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[2]	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	24.21	24.20	-0.01
[2A]-[2A]-4A-5A	[2A]	[2A]	4A	5A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	24.18	24.16	-0.02
	4A	5A	[2A]	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	5	10	2525	881.5	[2]	20	900	1960	[2]	20	1100	1980	24.20	24.14	-0.06
	5A	[2A]	[2A]	4A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[2]	20	900	1960	[2]	20	1100	1980	4	20	2175	2132.5	24.21	24.19	-0.02
2A-2A-[4A]-12A	2A	2A	[4A]	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	12	10	5095	737.5	24.18	24.11	-0.07
	[4A]	12A	2A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	12	10	5095	737.5	2	20	900	1960	2	20	1100	1980	24.20	24.19	-0.01
	12A	2A	2A	[4A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	24.15	24.12	-0.03
[2A]-2A-4A-12A	[2A]	2A	4A	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	24.18	24.16	-0.02
	2A	4A	12A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	12	10	5095	737.5	[2]	20	1100	1980	24.18	24.14	-0.04
	4A	12A	[2A]	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	[2]	20	900	1960	2	20	1100	1980	24.20	24.17	-0.03
	12A	[2A]	2A	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.15	24.14	-0.01
[2A]-2A-[4A]-12A	[2A]	2A	[4A]	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	12	10	5095	737.5	24.18	24.12	-0.06
	2A	[4A]	12A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	12	10	5095	737.5	[2]	20	1100	1980	24.18	24.12	-0.06
	[4A]	12A	[2A]	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	12	10	5095	737.5	[2]	20	900	1960	2	20	1100	1980	24.20	24.19	-0.01
	12A	[2A]	2A	[4A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	24.15	24.15	0.00
[2A]-[2A]-4A-12A	[2A]	[2A]	4A	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	24.18	24.17	-0.01
	4A	12A	[2A]	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	[2]	20	900	1960	[2]	20	1100	1980	24.20	24.14	-0.06
	12A	[2A]	[2A]	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	[2]	20	1100	1980	4	20	2175	2132.5	24.15	24.10	-0.05
2A-2A-[4A]-71A	2A	2A	[4A]	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	71	20	68761	634.5	24.18	24.17	-0.01
	[4A]	71A	2A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	71	20	68761	634.5	2	20	900	1960	2	20	1100	1980	24.20	24.10	-0.10
	71A	2A	2A	[4A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	24.07	24.05	-0.02
[2A]-2A-4A-71A	[2A]	2A	4A	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	71	20	68761	634.5	24.18	24.15	-0.03
	2A	4A	71A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	4	20	2175	2132.5	71	20	68761	634.5	[2]	20	1100	1980	24.18	24.16	-0.02
	4A	71A	[2A]	2A	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	71	20	68761	634.5	[2]	20	900	1960	2	20	1100	1980	24.20	24.16	-0.04
	71A	[2A]	2A	4A	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.07	24.04	-0.03
[2A]-2A-[4A]-71A	[2A]	2A	[4A]	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	71	20	68761	634.5	24.18	24.12	-0.06
	2A	[4A]	71A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	71	20	68761	634.5	[2]	20	1100	1980	24.18	24.14	-0.04
	[4A]	71A	[2A]	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	71	20	68761	634.5	[2]	20	900	1960	2	20	1100	1980	24.20	24.16	-0.04
	71A	[2A]	2A	[4A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	2	20	1100	1980	[4]	20	2175	2132.5	24.07	24.03	-0.04
[2A]-[2A]-4A-71A	[2A]	[2A]	4A	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	4	20	2175	2132.5	71	20	68761	634.5	24.18	24.08	-0.10
	4A	71A	[2A]	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	71	20	68761	634.5	[2]	20	900	1960	[2]	20	1100	1980	24.20	24.19	-0.01
	71A	[2A]	[2A]	4A	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	[2]	20	1100	1980	4	20	2175	2132.5	24.07	23.98	-0.09
[2A]-2A-5A-7A	[2A]	2A	5A	7A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	5	10	2525	881.5	7	20	3100	2655	24.18	24.13	-0.05
	2A	5A	7A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	7	20	3100	2655	[2]	20	1100	1980	24.18	24.16	-0.02
	5A	7A	[2A]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2655	[2]	20	900	1960	2	20	1100	1980	24.21	24.21	0.00
	7A	[2A]	2A	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[2]	20	900	1960	2	20	1100	1980	5	10	2525	881.5	22.71	22.68	-0.03
[2A]-[2A]-5A-7A	[2A]	[2A]	5A	7A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	5	10	2525	881.5	7	20	3100	2655	24.18	24.14	-0.04
	5A	7A	[2A]	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2655	[2]	20	900	1960	[2]	20	1100	1980	24.21	24.14	-0.07
	7A	[2A]	[2A]	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[2]	20	900	1960	[2]	20	1100	1980	5	10	2525	881.5	22.71	22.67	-0.04
[2A]-2A-5A-30A	[2A]	2A	5A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.18	24.18	0.00
	2A	5A	30A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	[2]	20	1100	1980	24.18	24.18	0.00
	5A	30A	[2A]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	[2]	20	900	1960	2	20	1100	1980	24.21	24.16	-0.05
	30A	[2A]	2A	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	2	20	1100	1980	5	10	2525	881.5	21.67	21.57	-0.10
[2A]-[2A]-5A-30A	[2A]	[2A]	5A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.18	24.12	-0.06
	5A	30A	[2A]	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	[2]	20	900	1960	[2]	20	1100	1980	24.21	24.12	-0.09
	30A	[2A]	[2A]	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	[2]	20	1100	1980	5	10	2525	881.5	21.67	21.62	-0.05
2A-2A-5A-[66A]	2A	2A	5A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	[66]	20	66786	2145	24.18	24.17	-0.01
	5A	[66A]	2A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	24.21	24.15	-0.06
	[66A]	2A	2A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	23.94	23.93	-0.01
[2A]-2A-5A-66A	[2A]	2A	5A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	24.18	24.14	-0.04
	2A	5A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	[2]	20	1100	1980	24.18	24.13	-0.05
	5A	66A	[2A]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	24.21	24.11	-0.10
	66A	[2A]	2A	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	5	10	2525	881.5	23.94	23.85	-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				UL							DL																LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-2A-5A-[66A]	[2A]	2A	5A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	5	10	2525	881.5	[66]	20	66786	2145	24.18	24.16	-0.02
	2A	5A	[66A]	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	[66]	20	66786	2145	[2]	20	1100	1980	24.18	24.18	0.00
	5A	[66A]	[2A]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	24.21	24.11	-0.10
	[66A]	[2A]	2A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	5	10	2525	881.5	23.94	23.86	-0.08
[2A]-[2A]-5A-66A	[2A]	[2A]	5A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	24.18	24.10	-0.08
	5A	66A	[2A]	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	24.21	24.19	-0.02
	66A	[2A]	[2A]	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	5	10	2525	881.5	23.94	23.93	-0.01
2A-[2A]-7A-7A	2A	[2A]	7A	7A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3350	2680	7	20	3100	2655	24.18	24.17	-0.01
	[2A]	7A	7A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3100	2655	2	20	1100	1980	24.18	24.11	-0.07
	7A	7A	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	2	20	900	1960	[2]	20	1100	1980	22.71	22.65	-0.06
	[2A]	2A	7A	7A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3350	2680	7	20	3100	2655	24.18	24.16	-0.02
	2A	7A	7A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3350	2680	7	20	3100	2655	[2]	20	1100	1980	24.18	24.10	-0.08
	7A	7A	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[2]	20	900	1960	2	20	1100	1980	22.71	22.67	-0.04
[2A]-2A-7A-7A	2A	[2A]	7A	7A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3350	2680	7	20	3100	2655	24.18	24.12	-0.06
	[2A]	7A	7A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3100	2655	2	20	1100	1980	24.18	24.16	-0.02
	7A	7A	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	2	20	900	1960	[2]	20	1100	1980	22.71	22.67	-0.04
	[2A]	2A	7A	7A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3350	2680	7	20	3100	2655	24.18	24.12	-0.06
	2A	7A	7A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3350	2680	7	20	3100	2655	[2]	20	1100	1980	24.18	24.10	-0.08
	7A	7A	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[2]	20	900	1960	2	20	1100	1980	22.71	22.63	-0.08
[2A]-[2A]-7A-7A	[2A]	[2A]	7A	7A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	7	20	3350	2680	7	20	3100	2655	24.18	24.10	-0.08
	7A	7A	[2A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[2]	20	900	1960	[2]	20	1100	1980	22.71	22.62	-0.09
2A-[2A]-7C	2A	[2A]	7C	7C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3350	2680	7	20	3152	2660.2	24.18	24.14	-0.04
	[2A]	7C	7C	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	2	20	1100	1980	24.18	24.14	-0.04
	7C	7C	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	2	20	900	1960	[2]	20	1100	1980	22.71	22.63	-0.08
	[2A]	2A	7C	7C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3350	2680	7	20	3152	2660.2	24.18	24.15	-0.03
	2A	7C	7C	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	[2]	20	1100	1980	24.18	24.15	-0.03
	7C	7C	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[2]	20	900	1960	2	20	1100	1980	22.71	22.63	-0.08
[2A]-2A-7C	2A	[2A]	7C	7C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3350	2680	7	20	3152	2660.2	24.18	24.12	-0.06
	[2A]	7C	7C	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	2	20	1100	1980	24.18	24.17	-0.01
	7C	7C	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	2	20	900	1960	[2]	20	1100	1980	22.71	22.71	0.00
	[2A]	2A	7C	7C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3350	2680	7	20	3152	2660.2	24.18	24.14	-0.04
	2A	7C	7C	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	[2]	20	1100	1980	24.18	24.14	-0.04
	7C	7C	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[2]	20	900	1960	2	20	1100	1980	22.71	22.68	-0.03
[2A]-[2A]-7C	[2A]	[2A]	7C	7C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	7	20	3350	2680	7	20	3152	2660.2	24.18	24.08	-0.10
	7C	7C	[2A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[2]	20	900	1960	[2]	20	1100	1980	22.71	22.68	-0.03
2A-[2A]-7A-12A	2A	[2A]	7A	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	12	10	5095	737.5	24.18	24.09	-0.09
	[2A]	7A	12A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	12	10	5095	737.5	2	20	1100	1980	24.18	24.14	-0.04
	7A	12A	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	2	20	900	1960	[2]	20	1100	1980	22.71	22.67	-0.04
	12A	2A	[2A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	24.15	24.07	-0.08
	[2A]	2A	7A	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	12	10	5095	737.5	24.18	24.17	-0.01
	2A	7A	12A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	12	10	5095	737.5	[2]	20	1100	1980	24.18	24.13	-0.05
	7A	12A	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	[2]	20	900	1960	2	20	1100	1980	22.71	22.69	-0.02
	12A	[2A]	2A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	24.15	24.10	-0.05
[2A]-2A-7A-12A	2A	[2A]	7A	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	12	10	5095	737.5	24.18	24.13	-0.05
	[2A]	7A	12A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	12	10	5095	737.5	2	20	1100	1980	24.18	24.12	-0.06
	7A	12A	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	2	20	900	1960	[2]	20	1100	1980	22.71	22.67	-0.04
	12A	2A	[2A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	24.15	24.14	-0.01
	[2A]	2A	7A	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	12	10	5095	737.5	24.18	24.13	-0.05
	2A	7A	12A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	12	10	5095	737.5	[2]	20	1100	1980	24.18	24.17	-0.01
	7A	12A	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	[2]	20	900	1960	2	20	1100	1980	22.71	22.65	-0.06
	12A	[2A]	2A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	24.15	24.06	-0.09
[2A]-[2A]-7A-12A	[2A]	[2A]	7A	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	12	10	5095	737.5	24.18	24.10	-0.08
	7A	12A	[2A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	[2]	20	900	1960	[2]	20	1100	1980	22.71	22.65	-0.06
	12A	[2A]	[2A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	24.15	24.14	-0.01
2A-[2A]-7A-13A	2A	[2A]	7A	13A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	13	10	5230	751	24.18	24.10	-0.08
	[2A]	7A	13A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	13	10	5230	751	2	20	1100	1980	24.18	24.10	-0.08
	7A	13A	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	2	20	900	1960	[2]	20	1100	1980	22.71	22.61	-0.10
	13A	2A	[2A]	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	23.65	23.64	-0.01
	[2A]	2A	7A	13A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	13	10	5230	751	24.18	24.13	-0.05
	2A	7A	13A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	13	10	5230	751	[2]	20	1100	1980	24.18	24.11	-0.07
	7A	13A	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	[2]	20	900	1960	2	20	1100	1980	22.71	22.70	-0.01
	13A	[2A]	2A	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	23.65	23.58	-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 (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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-2A-7A-13A	2A	[2A]	7A	13A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	13	10	5230	751	24.18	24.17	-0.01
	[2A]	7A	13A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	13	10	5230	751	2	20	1100	1980	24.18	24.11	-0.07
	7A	13A	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	2	20	900	1960	[2]	20	1100	1980	22.71	22.61	-0.10
	13A	2A	[2A]	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	23.65	23.61	-0.04
	[2A]	2A	7A	13A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	13	10	5230	751	24.18	24.09	-0.09
	2A	7A	13A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	13	10	5230	751	[2]	20	1100	1980	24.18	24.18	0.00
	7A	13A	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	[2]	20	900	1960	2	20	1100	1980	22.71	22.63	-0.08
	13A	[2A]	2A	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	23.65	23.62	-0.03
[2A]-[2A]-7A-13A	[2A]	[2A]	7A	13A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	13	10	5230	751	24.18	24.09	-0.09
	7A	13A	[2A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	[2]	20	900	1960	[2]	20	1100	1980	22.71	22.70	-0.01
	13A	[2A]	[2A]	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[2]	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	23.65	23.63	-0.02
2A-2A-7A-[66A]	2A	2A	7A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	7	20	3100	2655	[66]	20	66786	2145	24.18	24.08	-0.10
	7A	[66A]	2A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	22.71	22.65	-0.06
	[66A]	2A	2A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	7	20	3100	2655	23.94	23.85	-0.09
2A-[2A]-7A-66A	2A	[2A]	7A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	66	20	66786	2145	24.18	24.16	-0.02
	[2A]	7A	66A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	66	20	66786	2145	2	20	1100	1980	24.18	24.13	-0.05
	7A	66A	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	2	20	900	1960	[2]	20	1100	1980	22.71	22.70	-0.01
	66A	2A	[2A]	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	23.94	23.89	-0.05
	[2A]	2A	7A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	66	20	66786	2145	24.18	24.15	-0.03
	2A	7A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	66	20	66786	2145	[2]	20	1100	1980	24.18	24.12	-0.06
	7A	66A	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	22.71	22.69	-0.02
	66A	[2A]	2A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	23.94	23.88	-0.06
[2A]-2A-7A-66A	2A	[2A]	7A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	66	20	66786	2145	24.18	24.10	-0.08
	[2A]	7A	66A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	66	20	66786	2145	2	20	1100	1980	24.18	24.12	-0.06
	7A	66A	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	2	20	900	1960	[2]	20	1100	1980	22.71	22.63	-0.08
	66A	2A	[2A]	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	23.94	23.91	-0.03
	[2A]	2A	7A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	66	20	66786	2145	24.18	24.09	-0.09
	2A	7A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	66	20	66786	2145	[2]	20	1100	1980	24.18	24.15	-0.03
	7A	66A	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	22.71	22.71	0.00
	66A	[2A]	2A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	23.94	23.88	-0.06
2A-[2A]-7A-[66A]	2A	[2A]	7A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	[66]	20	66786	2145	24.18	24.10	-0.08
	[2A]	7A	[66A]	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	[66]	20	66786	2145	2	20	1100	1980	24.18	24.09	-0.09
	7A	[66A]	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	2	20	900	1960	[2]	20	1100	1980	22.71	22.66	-0.05
	[66A]	2A	[2A]	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	23.94	23.85	-0.09
	[2A]	2A	7A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	[66]	20	66786	2145	24.18	24.17	-0.01
	2A	7A	[66A]	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	[66]	20	66786	2145	[2]	20	1100	1980	24.18	24.11	-0.07
	7A	[66A]	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	22.71	22.65	-0.06
	[66A]	[2A]	2A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	23.94	23.88	-0.06
[2A]-2A-7A-[66A]	2A	[2A]	7A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	[66]	20	66786	2145	24.18	24.08	-0.10
	[2A]	7A	[66A]	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	[66]	20	66786	2145	2	20	1100	1980	24.18	24.14	-0.04
	7A	[66A]	2A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	2	20	900	1960	[2]	20	1100	1980	22.71	22.69	-0.02
	[66A]	2A	[2A]	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	23.94	23.92	-0.02
	[2A]	2A	7A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	[66]	20	66786	2145	24.18	24.18	0.00
	2A	7A	[66A]	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	[66]	20	66786	2145	[2]	20	1100	1980	24.18	24.15	-0.03
	7A	[66A]	[2A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	22.71	22.70	-0.01
	[66A]	[2A]	2A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	7	20	3100	2655	23.94	23.87	-0.07
[2A]-[2A]-7A-66A	[2A]	[2A]	7A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	66	20	66786	2145	24.18	24.12	-0.06
	7A	66A	[2A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	22.71	22.62	-0.09
	66A	[2A]	[2A]	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	7	20	3100	2655	23.94	23.86	-0.08
[2A]-2A-12B	[2A]	2A	12B	12B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	12	10	5095	737.5	12	1.4	5173	745.3	24.18	24.14	-0.04
	2A	12B	12B	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	12	1.4	5173	745.3	[2]	20	1100	1980	24.18	24.10	-0.08
	12B	12B	[2A]	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[2]	20	900	1960	2	20	1100	1980	24.15	24.12	-0.03
[2A]-[2A]-12B	[2A]	[2A]	12B	12B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	12	10	5095	737.5	12	1.4	5173	745.3	24.18	24.17	-0.01
	12B	12B	[2A]	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[2]	20	900	1960	[2]	20	1100	1980	24.15	24.10	-0.05
[2A]-2A-12A-30A	[2A]	2A	12A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.18	24.13	-0.05
	2A	12A	30A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	[2]	20	1100	1980	24.18	24.09	-0.09
	12A	30A	[2A]	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[2]	20	900	1960	2	20	1100	1980	24.15	24.13	-0.02
	30A	[2A]	2A	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	2	20	1100	1980	12	10	5095	737.5	21.67	21.65	-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 configutation (BCS)	Bands				UL							DL																LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-[2A]-12A-30A	[2A]	[2A]	12A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.18	24.13	-0.05
	12A	30A	[2A]	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[2]	20	900	1960	[2]	20	1100	1980	24.15	24.12	-0.03
	30A	[2A]	[2A]	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	[2]	20	1100	1980	12	10	5095	737.5	21.67	21.59	-0.08
2A-2A-12A-[66A]	2A	2A	12A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	[66]	20	66786	2145	24.18	24.18	0.00
	12A	[66A]	2A	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	24.15	24.07	-0.08
	[66A]	2A	2A	12A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	23.94	23.92	-0.02
[2A]-2A-12A-66A	[2A]	2A	12A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	12	10	5095	737.5	66	20	66786	2145	24.18	24.17	-0.01
	2A	12A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	[2]	20	1100	1980	24.18	24.10	-0.08
	12A	66A	[2A]	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	24.15	24.15	0.00
	66A	[2A]	2A	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	12	10	5095	737.5	23.94	23.93	-0.01
[2A]-2A-12A-[66A]	[2A]	2A	12A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	12	10	5095	737.5	[66]	20	66786	2145	24.18	24.09	-0.09
	2A	12A	[66A]	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	[66]	20	66786	2145	[2]	20	1100	1980	24.18	24.09	-0.09
	12A	[66A]	[2A]	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	24.15	24.07	-0.08
	[66A]	[2A]	2A	12A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	12	10	5095	737.5	23.94	23.93	-0.01
[2A]-[2A]-12A-66A	[2A]	[2A]	12A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	12	10	5095	737.5	66	20	66786	2145	24.18	24.09	-0.09
	12A	66A	[2A]	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	24.15	24.12	-0.03
	66A	[2A]	[2A]	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	12	10	5095	737.5	23.94	23.92	-0.02
2A-2A-13A-[66A]	2A	2A	13A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	13	10	5230	751	[66]	20	66786	2145	24.18	24.17	-0.01
	13A	[66A]	2A	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	23.65	23.63	-0.02
	[66A]	2A	2A	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	13	10	5230	751	23.94	23.92	-0.02
[2A]-2A-13A-66A	[2A]	2A	13A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	13	10	5230	751	66	20	66786	2145	24.18	24.10	-0.08
	2A	13A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	66	20	66786	2145	[2]	20	1100	1980	24.18	24.10	-0.08
	13A	66A	[2A]	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	23.65	23.64	-0.01
	66A	[2A]	2A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	13	10	5230	751	23.94	23.89	-0.05
[2A]-2A-13A-[66A]	[2A]	2A	13A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	13	10	5230	751	[66]	20	66786	2145	24.18	24.14	-0.04
	2A	13A	[66A]	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	[66]	20	66786	2145	[2]	20	1100	1980	24.18	24.11	-0.07
	13A	[66A]	[2A]	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	23.65	23.64	-0.01
	[66A]	[2A]	2A	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	13	10	5230	751	23.94	23.91	-0.03
[2A]-[2A]-13A-66A	[2A]	[2A]	13A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	13	10	5230	751	66	20	66786	2145	24.18	24.14	-0.04
	13A	66A	[2A]	[2A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	23.65	23.60	-0.05
	66A	[2A]	[2A]	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	13	10	5230	751	23.94	23.85	-0.09
[2A]-2A-14A-30A	[2A]	2A	14A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.18	24.11	-0.07
	2A	14A	30A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	14	10	5330	763	30	10	9820	2355	[2]	20	1100	1980	24.18	24.09	-0.09
	14A	30A	[2A]	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[2]	20	900	1960	2	20	1100	1980	23.67	23.62	-0.05
	30A	[2A]	2A	14A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	2	20	1100	1980	14	10	5330	763	21.67	21.57	-0.10
[2A]-[2A]-14A-30A	[2A]	[2A]	14A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.18	24.12	-0.06
	14A	30A	[2A]	[2A]	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[2]	20	900	1960	[2]	20	1100	1980	23.67	23.59	-0.08
	30A	[2A]	[2A]	14A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	[2]	20	1100	1980	14	10	5330	763	21.67	21.60	-0.07
2A-2A-14A-[66A]	2A	2A	14A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	[66]	20	66786	2145	24.18	24.14	-0.04
	14A	[66A]	2A	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	23.67	23.61	-0.06
	[66A]	2A	2A	14A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	14	10	5330	763	23.94	23.86	-0.08
[2A]-2A-14A-66A	[2A]	2A	14A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	24.18	24.08	-0.10
	2A	14A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	14	10	5330	763	66	20	66786	2145	[2]	20	1100	1980	24.18	24.08	-0.10
	14A	66A	[2A]	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	23.67	23.60	-0.07
	66A	[2A]	2A	14A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	14	10	5330	763	23.94	23.90	-0.04
[2A]-2A-14A-[66A]	[2A]	2A	14A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	14	10	5330	763	[66]	20	66786	2145	24.18	24.08	-0.10
	2A	14A	[66A]	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	14	10	5330	763	[66]	20	66786	2145	[2]	20	1100	1980	24.18	24.11	-0.07
	14A	[66A]	[2A]	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	23.67	23.60	-0.07
	[66A]	[2A]	2A	14A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	14	10	5330	763	23.94	23.85	-0.09
[2A]-[2A]-14A-66A	[2A]	[2A]	14A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	14	10	5330	763	66	20	66786	2145	24.18	24.13	-0.05
	14A	66A	[2A]	[2A]	14	QPSK	10	23330	793	1	0	14	10	5330	763	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	23.67	23.62	-0.05
	66A	[2A]	[2A]	14A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	14	10	5330	763	23.94	23.89	-0.05
[2A]-2A-29A-30A	[2A]	2A	29A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	29	10	9715	722.5	30	10	9820	2355	24.18	24.12	-0.06
	2A	29A	30A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	[2]	20	1100	1980	24.18	24.12	-0.06
	30A	29A	[2A]	2A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	[2]	20	900	1960	2	20	1100	1980	21.67	21.65	-0.02
[2A]-[2A]-29A-30A	[2A]	[2A]	29A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	29	10	9715	722.5	30	10	9820	2355	24.18	24.08	-0.10
	30A	29A	[2A]	[2A]	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	[2]	20	900	1960	[2]	20	1100	1980	21.67	21.65	-0.02
2A-2A-29A-[66A]	2A	2A	29A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	29	10	9715	722.5	[66]	20	66786	2145	24.18	24.18	0.00
	[66A]	29A	2A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	2	20	900	1960	2	20	1100	1980	23.94	23.92	-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 configutation (BCS)	Bands				UL							DL																LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-2A-29A-66A	[2A]	2A	29A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	29	10	9715	722.5	66	20	66786	2145	24.18	24.15	-0.03
	2A	29A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	29	10	9715	722.5	66	20	66786	2145	[2]	20	1100	1980	24.18	24.12	-0.06
	66A	29A	[2A]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	[2]	20	900	1960	2	20	1100	1980	23.94	23.86	-0.08
[2A]-2A-29A-[66A]	[2A]	2A	29A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	29	10	9715	722.5	[66]	20	66786	2145	24.18	24.16	-0.02
	2A	29A	[66A]	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	29	10	9715	722.5	[66]	20	66786	2145	[2]	20	1100	1980	24.18	24.11	-0.07
	[66A]	29A	[2A]	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	[2]	20	900	1960	2	20	1100	1980	23.94	23.88	-0.06
[2A]-[2A]-29A-66A	[2A]	[2A]	29A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	29	10	9715	722.5	66	20	66786	2145	24.18	24.10	-0.08
	66A	29A	[2A]	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	[2]	20	900	1960	[2]	20	1100	1980	23.94	23.86	-0.08
2A-2A-30A-[66A]	2A	2A	30A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	[66]	20	66786	2145	24.18	24.09	-0.09
	30A	[66A]	2A	2A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	21.67	21.63	-0.04
	[66A]	2A	2A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	23.94	23.91	-0.03
[2A]-2A-30A-66A	[2A]	2A	30A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.18	24.16	-0.02
	2A	30A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	[2]	20	1100	1980	24.18	24.15	-0.03
	30A	66A	[2A]	2A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	21.67	21.61	-0.06
	66A	[2A]	2A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	30	10	9820	2355	23.94	23.91	-0.03
[2A]-2A-30A-[66A]	[2A]	2A	30A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	30	10	9820	2355	[66]	20	66786	2145	24.18	24.14	-0.04
	2A	30A	[66A]	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	30	10	9820	2355	[66]	20	66786	2145	[2]	20	1100	1980	24.18	24.10	-0.08
	30A	[66A]	[2A]	2A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	21.67	21.64	-0.03
	[66A]	[2A]	2A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	2	20	1100	1980	30	10	9820	2355	23.94	23.87	-0.07
[2A]-[2A]-30A-66A	[2A]	[2A]	30A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.18	24.13	-0.05
	30A	66A	[2A]	[2A]	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	21.67	21.66	-0.01
	66A	[2A]	[2A]	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	[2]	20	1100	1980	30	10	9820	2355	23.94	23.86	-0.08
2A-2A-66A-[66A]	2A	2A	66A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	[66]	20	67036	2170	24.18	24.09	-0.09
	66A	[66A]	2A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	2	20	1100	1980	23.94	23.93	-0.01
	[66A]	2A	2A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	66	20	67036	2170	23.94	23.91	-0.03
	2A	2A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[66]	20	66786	2145	66	20	67036	2170	24.18	24.16	-0.02
	[66A]	66A	2A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	2	20	1100	1980	23.94	23.87	-0.07
	66A	2A	2A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	[66]	20	67036	2170	23.94	23.91	-0.03
2A-2A-[66A]-66A	2A	2A	66A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	[66]	20	67036	2170	24.18	24.15	-0.03
	66A	[66A]	2A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	2	20	1100	1980	23.94	23.88	-0.06
	[66A]	2A	2A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	2	20	1100	1980	66	20	67036	2170	23.94	23.93	-0.01
	2A	2A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[66]	20	66786	2145	66	20	67036	2170	24.18	24.16	-0.02
	[66A]	66A	2A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	2	20	1100	1980	23.94	23.91	-0.03
	66A	2A	2A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	2	20	1100	1980	[66]	20	67036	2170	23.94	23.86	-0.08
2A-[2A]-66A-66A	2A	[2A]	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	66	20	66786	2145	66	20	67036	2170	24.18	24.16	-0.02
	[2A]	66A	66A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	66	20	66786	2145	66	20	67036	2170	2	20	1100	1980	24.18	24.15	-0.03
	66A	66A	2A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	2	20	900	1960	[2]	20	1100	1980	23.94	23.90	-0.04
	[2A]	2A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67036	2170	24.18	24.08	-0.10
	2A	66A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	66	20	67036	2170	[2]	20	1100	1980	24.18	24.10	-0.08
	66A	66A	[2A]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	2	20	1100	1980	23.94	23.92	-0.02
[2A]-2A-66A-66A	2A	[2A]	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	66	20	66786	2145	66	20	67036	2170	24.18	24.14	-0.04
	[2A]	66A	66A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	66	20	66786	2145	66	20	67036	2170	2	20	1100	1980	24.18	24.13	-0.05
	66A	66A	2A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	2	20	900	1960	[2]	20	1100	1980	23.94	23.93	-0.01
	[2A]	2A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67036	2170	24.18	24.18	0.00
	2A	66A	66A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	66	20	67036	2170	[2]	20	1100	1980	24.18	24.10	-0.08
	66A	66A	[2A]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	2	20	1100	1980	23.94	23.87	-0.07
2A-2A-[66A]-[66A]	2A	2A	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.17	-0.01
	[66A]	[66A]	2A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	2	20	1100	1980	23.94	23.90	-0.04
[2A]-[2A]-66A-66A	[2A]	[2A]	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	66	20	66786	2145	66	20	67036	2170	24.18	24.13	-0.05
	66A	66A	[2A]	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	[2]	20	1100	1980	23.94	23.94	0.00
2A-2A-[66B]	2A	2A	[66B]	[66B]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[66]	15	66786	2145	[66]	5	66693	2135.7	24.18	24.17	-0.01
	[66B]	[66B]	2A	2A	[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	2	20	900	1960	2	20	1100	1980	23.83	23.75	-0.08
[2A]-2A-66B	[2A]	2A	66B	66B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	66	15	66786	2145	66	5	66693	2135.7	24.18	24.15	-0.03
	2A	66B	66B	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	15	66786	2145	66	5	66693	2135.7	[2]	20	1100	1980	24.18	24.14	-0.04
	66B	66B	[2A]	2A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[2]	20	900	1960	2	20	1100	1980	23.83	23.76	-0.07
[2A]-[2A]-66B	[2A]	[2A]	66B	66B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	66	15	66786	2145	66	5	66693	2135.7	24.18	24.09	-0.09
	66B	66B	[2A]	[2A]	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[2]	20	900	1960	[2]	20	1100	1980	23.83	23.77	-0.06
2A-2A-[66C]	2A	2A	[66C]	[66C]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[66]	20	66536	2120	[66]	20	66734	2139.8	24.18	24.14	-0.04
	[66C]	[66C]	2A	2A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	2	20	900	1960	2	20	1100	1980	23.81	23.76	-0.05

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-2A-66C	[2A]	2A	66C	66C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	66	20	66536	2120	66	20	66734	2139.8	24.18	24.17	-0.01
	2A	66C	66C	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66536	2120	66	20	66734	2139.8	[2]	20	1100	1980	24.18	24.13	-0.05
	66C	66C	[2A]	2A	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	[2]	20	900	1960	2	20	1100	1980	23.81	23.73	-0.08
[2A]-[2A]-66C	[2A]	[2A]	66C	66C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	66	20	66536	2120	66	20	66734	2139.8	24.18	24.10	-0.08
	66C	66C	[2A]	[2A]	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	[2]	20	900	1960	[2]	20	1100	1980	23.81	23.74	-0.07
2C-[66A]-66A	2C	2C	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1098	1979.8	[66]	20	66786	2145	66	20	67036	2170	24.18	24.12	-0.06
	[66A]	66A	2C	2C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	2	20	1098	1979.8	23.94	23.91	-0.03
	66A	2C	2C	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	2	20	1098	1979.8	[66]	20	67036	2170	23.94	23.93	-0.01
[2C]-66A-66A	[2C]	[2C]	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1098	1979.8	66	20	66786	2145	66	20	67036	2170	24.18	24.16	-0.02
	66A	66A	[2C]	[2C]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	[2]	20	1098	1979.8	23.94	23.86	-0.08
2C-[66A]-[66A]	2C	2C	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1098	1979.8	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.14	-0.04
	[66A]	[66A]	2C	2C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	2	20	1098	1979.8	23.94	23.86	-0.08
2A-2A-[66A]-71A	2A	2A	[66A]	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	2	20	1100	1980	[66]	20	66786	2145	71	20	68761	634.5	24.18	24.14	-0.04
	[66A]	71A	2A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	71	20	68761	634.5	2	20	900	1960	2	20	1100	1980	23.94	23.85	-0.09
	71A	2A	2A	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	2	20	1100	1980	[66]	20	66786	2145	24.07	24.03	-0.04
2A-[2A]-66A-71A	2A	[2A]	66A	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	66	20	66786	2145	71	20	68761	634.5	24.18	24.15	-0.03
	[2A]	66A	71A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	66	20	66786	2145	71	20	68761	634.5	2	20	1100	1980	24.18	24.10	-0.08
	66A	71A	2A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	2	20	900	1960	[2]	20	1100	1980	23.94	23.84	-0.10
	71A	2A	[2A]	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	[2]	20	1100	1980	66	20	66786	2145	24.07	24.01	-0.06
	[2A]	2A	66A	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	66	20	66786	2145	71	20	68761	634.5	24.18	24.11	-0.07
	2A	66A	71A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	71	20	68761	634.5	[2]	20	1100	1980	24.18	24.12	-0.06
	66A	71A	[2A]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	[2]	20	900	1960	2	20	1100	1980	23.94	23.89	-0.05
	71A	[2A]	2A	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	2	20	1100	1980	66	20	66786	2145	24.07	23.98	-0.09
[2A]-2A-66A-71A	2A	[2A]	66A	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	66	20	66786	2145	71	20	68761	634.5	24.18	24.17	-0.01
	[2A]	66A	71A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	66	20	66786	2145	71	20	68761	634.5	2	20	1100	1980	24.18	24.11	-0.07
	66A	71A	2A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	2	20	900	1960	[2]	20	1100	1980	23.94	23.87	-0.07
	71A	2A	[2A]	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	[2]	20	1100	1980	66	20	66786	2145	24.07	24.03	-0.04
	[2A]	2A	66A	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	66	20	66786	2145	71	20	68761	634.5	24.18	24.13	-0.05
	2A	66A	71A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	71	20	68761	634.5	[2]	20	1100	1980	24.18	24.09	-0.09
	66A	71A	[2A]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	[2]	20	900	1960	2	20	1100	1980	23.94	23.90	-0.04
	71A	[2A]	2A	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	2	20	1100	1980	66	20	66786	2145	24.07	24.05	-0.02
2A-[2A]-[66A]-71A	2A	[2A]	[66A]	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	[66]	20	66786	2145	71	20	68761	634.5	24.18	24.09	-0.09
	[2A]	[66A]	71A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[66]	20	66786	2145	71	20	68761	634.5	2	20	1100	1980	24.18	24.15	-0.03
	[66A]	71A	2A	[2A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	71	20	68761	634.5	2	20	900	1960	[2]	20	1100	1980	23.94	23.86	-0.08
	71A	2A	[2A]	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	[2]	20	1100	1980	[66]	20	66786	2145	24.07	23.98	-0.09
	[2A]	2A	[66A]	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	[66]	20	66786	2145	71	20	68761	634.5	24.18	24.14	-0.04
	2A	[66A]	71A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[66]	20	66786	2145	71	20	68761	634.5	[2]	20	1100	1980	24.18	24.09	-0.09
	[66A]	71A	[2A]	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	71	20	68761	634.5	[2]	20	900	1960	2	20	1100	1980	23.94	23.91	-0.03
	71A	[2A]	2A	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	2	20	1100	1980	[66]	20	66786	2145	24.07	24.06	-0.01
[2A]-2A-[66A]-71A	2A	[2A]	[66A]	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[2]	20	1100	1980	[66]	20	66786	2145	71	20	68761	634.5	24.18	24.18	0.00
	[2A]	[66A]	71A	2A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[66]	20	66786	2145	71	20	68761	634.5	2	20	1100	1980	24.18	24.10	-0.08
	[66A]	71A	2A	[2A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	71	20	68761	634.5	2	20	900	1960	[2]	20	1100	1980	23.94	23.91	-0.03
	71A	2A	[2A]	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	[2]	20	1100	1980	[66]	20	66786	2145	24.07	24.01	-0.06
	[2A]	2A	[66A]	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	2	20	1100	1980	[66]	20	66786	2145	71	20	68761	634.5	24.18	24.16	-0.02
	2A	[66A]	71A	[2A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[66]	20	66786	2145	71	20	68761	634.5	[2]	20	1100	1980	24.18	24.12	-0.06
	[66A]	71A	[2A]	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	71	20	68761	634.5	[2]	20	900	1960	2	20	1100	1980	23.94	23.90	-0.04
	71A	[2A]	2A	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	2	20	1100	1980	[66]	20	66786	2145	24.07	23.98	-0.09
[2A]-[2A]-66A-71A	[2A]	[2A]	66A	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[2]	20	1100	1980	66	20	66786	2145	71	20	68761	634.5	24.18	24.10	-0.08
	66A	71A	[2A]	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	[2]	20	900	1960	[2]	20	1100	1980	23.94	23.90	-0.04
	71A	[2A]	[2A]	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	[2]	20	1100	1980	66	20	66786	2145	24.07	23.98	-0.09
2A-[4A]-4A-5A	2A	[4A]	4A	5A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	24.18	24.18	0.00
	[4A]	4A	5A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	2	20	900	1960	24.20	24.17	-0.03
	4A	5A	2A	[4A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	5	10	2525	881.5	2	20	900	1960	[4]	10	2350	2150	24.20	24.12	-0.08
	5A	2A	[4A]	4A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	2	20	900	1960	[4]	20	2175	2132.5	4	10	2350	2150	24.21	24.18	-0.03
[2A]-4A-4A-5A	[2A]	4A	4A	5A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	24.18	24.16	-0.02
	4A	4A	5A	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	[2]	20	900	1960	24.20	24.19	-0.01
	5A	[2A]	4A	4A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[2]	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	24.21	24.18	-0.03
2A-[4A]-[4A]-5A	2A	[4A]	[4A]	5A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	[4]	10	2350	2150	5	10	2525	881.5	24.18	24.09	-0.09
	[4A]	[4A]	5A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[4]	10	2350	2150	5	10	2525	881.5	2	20	900	1960	24.20	24.19	-0.01
	5A	2A	[4A]	[4A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	2	20	900	1960	[4]	20	2175	2132.5	[4]	10	2350	2150	24.21	24.16	-0.05

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-[4A]-4A-5A	[2A]	[4A]	4A	5A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	24.18	24.18	0.00
	[4A]	4A	5A	[2A]	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	[2]	20	900	1960	24.20	24.17	-0.03
	4A	5A	[2A]	[4A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	5	10	2525	881.5	[2]	20	900	1960	[4]	10	2350	2150	24.20	24.17	-0.03
	5A	[2A]	[4A]	4A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[2]	20	900	1960	[4]	20	2175	2132.5	4	10	2350	2150	24.21	24.13	-0.08
2A-[4A]-4A-12A	2A	[4A]	4A	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	24.18	24.17	-0.01
	[4A]	4A	12A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	2	20	900	1960	24.20	24.12	-0.08
	4A	12A	2A	[4A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	2	20	900	1960	[4]	10	2350	2150	24.20	24.14	-0.06
	12A	2A	[4A]	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	[4]	20	2175	2132.5	4	10	2350	2150	24.15	24.13	-0.02
[2A]-4A-4A-12A	[2A]	4A	4A	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	24.18	24.13	-0.05
	4A	4A	12A	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	[2]	20	900	1960	24.20	24.19	-0.01
	12A	[2A]	4A	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	24.15	24.14	-0.01
2A-[4A]-[4A]-12A	2A	[4A]	[4A]	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	[4]	10	2350	2150	12	10	5095	737.5	24.18	24.17	-0.01
	[4A]	[4A]	12A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[4]	10	2350	2150	12	10	5095	737.5	2	20	900	1960	24.20	24.20	0.00
	12A	2A	[4A]	[4A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	[4]	20	2175	2132.5	[4]	10	2350	2150	24.15	24.06	-0.09
[2A]-[4A]-4A-12A	[2A]	[4A]	4A	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	24.18	24.12	-0.06
	[4A]	4A	12A	[2A]	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	[2]	20	900	1960	24.20	24.19	-0.01
	4A	12A	[2A]	[4A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	[2]	20	900	1960	[4]	10	2350	2150	24.20	24.18	-0.02
	12A	[2A]	[4A]	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	[4]	20	2175	2132.5	4	10	2350	2150	24.15	24.09	-0.06
2A-[4A]-5A-30A	2A	[4A]	5A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	5	10	2525	881.5	30	10	9820	2355	24.18	24.15	-0.03
	[4A]	5A	30A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	5	10	2525	881.5	30	10	9820	2355	2	20	900	1960	24.20	24.10	-0.10
	5A	30A	2A	[4A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	2	20	900	1960	[4]	20	2175	2132.5	24.21	24.13	-0.08
	30A	2A	[4A]	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	2	20	900	1960	[4]	20	2175	2132.5	5	10	2525	881.5	21.67	21.62	-0.05
[2A]-4A-5A-30A	[2A]	4A	5A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	5	10	2525	881.5	30	10	9820	2355	24.18	24.12	-0.06
	4A	5A	30A	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	5	10	2525	881.5	30	10	9820	2355	[2]	20	900	1960	24.20	24.11	-0.09
	5A	30A	[2A]	4A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	[2]	20	900	1960	4	20	2175	2132.5	24.21	24.19	-0.02
	30A	[2A]	4A	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	4	20	2175	2132.5	5	10	2525	881.5	21.67	21.65	-0.02
[2A]-[4A]-5A-30A	[2A]	[4A]	5A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	5	10	2525	881.5	30	10	9820	2355	24.18	24.13	-0.05
	[4A]	5A	30A	[2A]	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	5	10	2525	881.5	30	10	9820	2355	[2]	20	900	1960	24.20	24.20	0.00
	5A	30A	[2A]	[4A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	[2]	20	900	1960	[4]	20	2175	2132.5	24.21	24.16	-0.05
	30A	[2A]	[4A]	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	[4]	20	2175	2132.5	5	10	2525	881.5	21.67	21.63	-0.04
2A-[4A]-7A-7A	2A	[4A]	7A	7A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	7	20	3350	2680	7	20	3100	2655	24.18	24.15	-0.03
	[4A]	7A	7A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	7	20	3350	2680	7	20	3100	2655	2	20	900	1960	24.20	24.18	-0.02
	7A	7A	2A	[4A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	2	20	900	1960	[4]	20	2175	2132.5	22.71	22.69	-0.02
[2A]-4A-7A-7A	[2A]	4A	7A	7A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	7	20	3350	2680	7	20	3100	2655	24.18	24.09	-0.09
	4A	7A	7A	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	7	20	3350	2680	7	20	3100	2655	[2]	20	900	1960	24.20	24.12	-0.08
	7A	7A	[2A]	4A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[2]	20	900	1960	4	20	2175	2132.5	22.71	22.66	-0.05
[2A]-[4A]-7A-7A	[2A]	[4A]	7A	7A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	7	20	3350	2680	7	20	3100	2655	24.18	24.18	0.00
	[4A]	7A	7A	[2A]	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	7	20	3350	2680	7	20	3100	2655	[2]	20	900	1960	24.20	24.15	-0.05
	7A	7A	[2A]	[4A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[2]	20	900	1960	[4]	20	2175	2132.5	22.71	22.63	-0.08
2A-[4A]-7C	2A	[4A]	7C	7C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	7	20	3350	2680	7	20	3152	2660.2	24.18	24.15	-0.03
	[4A]	7C	7C	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	7	20	3350	2680	7	20	3152	2660.2	2	20	900	1960	24.20	24.20	0.00
	7C	7C	2A	[4A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	2	20	900	1960	[4]	20	2175	2132.5	22.71	22.64	-0.07
[2A]-4A-7C	[2A]	4A	7C	7C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	7	20	3350	2680	7	20	3152	2660.2	24.18	24.11	-0.07
	4A	7C	7C	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	7	20	3350	2680	7	20	3152	2660.2	[2]	20	900	1960	24.20	24.10	-0.10
	7C	7C	[2A]	4A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[2]	20	900	1960	4	20	2175	2132.5	22.71	22.70	-0.01
[2A]-[4A]-7C	[2A]	[4A]	7C	7C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	7	20	3350	2680	7	20	3152	2660.2	24.18	24.11	-0.07
	[4A]	7C	7C	[2A]	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	7	20	3350	2680	7	20	3152	2660.2	[2]	20	900	1960	24.20	24.15	-0.05
	7C	7C	[2A]	[4A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[2]	20	900	1960	[4]	20	2175	2132.5	22.71	22.63	-0.08
2A-[4A]-7A-12A	2A	[4A]	7A	12A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	7	20	3100	2655	12	10	5095	737.5	24.18	24.11	-0.07
	[4A]	7A	12A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	7	20	3100	2655	12	10	5095	737.5	2	20	900	1960	24.20	24.13	-0.07
	7A	12A	2A	[4A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	2	20	900	1960	[4]	20	2175	2132.5	22.71	22.67	-0.04
	12A	2A	[4A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	2	20	900	1960	[4]	20	2175	2132.5	7	20	3100	2655	24.15	24.12	-0.03
[2A]-4A-7A-12A	[2A]	4A	7A	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	7	20	3100	2655	12	10	5095	737.5	24.18	24.17	-0.01
	4A	7A	12A	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	7	20	3100	2655	12	10	5095	737.5	[2]	20	900	1960	24.20	24.18	-0.02
	7A	12A	[2A]	4A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	[2]	20	900	1960	4	20	2175	2132.5	22.71	22.69	-0.02
	12A	[2A]	4A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	4	20	2175	2132.5	7	20	3100	2655	24.15	24.15	0.00
[2A]-[4A]-7A-12A	[2A]	[4A]	7A	12A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	7	20	3100	2655	12	10	5095	737.5	24.18	24.18	0.00
	[4A]	7A	12A	[2A]	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	7	20	3100	2655	12	10	5095	737.5	[2]	20	900	1960	24.20	24.15	-0.05
	7A	12A	[2A]	[4A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	[2]	20	900	1960	[4]	20	2175	2132.5	22.71	22.67	-0.04
	12A	[2A]	[4A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[2]	20	900	1960	[4]	20	2175	2132.5	7	20	3100	2655	24.15	24.10	-0.05

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
2A-[4A]-12B	2A	[4A]	12B	12B	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	12	10	5095	737.5	12	1.4	5173	745.3	24.18	24.11	-0.07
	[4A]	12B	12B	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	12	10	5095	737.5	12	1.4	5173	745.3	2	20	900	1960	24.20	24.20	0.00
	12B	12B	2A	[4A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	2	20	900	1960	[4]	20	2175	2132.5	24.15	24.07	-0.08
[2A]-4A-12B	[2A]	4A	12B	12B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	12	10	5095	737.5	12	1.4	5173	745.3	24.18	24.17	-0.01
	4A	12B	12B	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	12	1.4	5173	745.3	[2]	20	900	1960	24.20	24.12	-0.08
	12B	12B	[2A]	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[2]	20	900	1960	4	20	2175	2132.5	24.15	24.14	-0.01
[2A]-[4A]-12B	[2A]	[4A]	12B	12B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	12	10	5095	737.5	12	1.4	5173	745.3	24.18	24.09	-0.09
	[4A]	12B	12B	[2A]	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	12	10	5095	737.5	12	1.4	5173	745.3	[2]	20	900	1960	24.20	24.12	-0.08
	12B	12B	[2A]	[4A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[2]	20	900	1960	[4]	20	2175	2132.5	24.15	24.06	-0.09
2A-[4A]-12A-30A	2A	[4A]	12A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	24.18	24.16	-0.02
	[4A]	12A	30A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	2	20	900	1960	24.20	24.14	-0.06
	12A	30A	2A	[4A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	2	20	900	1960	[4]	20	2175	2132.5	24.15	24.06	-0.09
	30A	2A	[4A]	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	2	20	900	1960	[4]	20	2175	2132.5	12	10	5095	737.5	21.67	21.64	-0.03
[2A]-4A-12A-30A	[2A]	4A	12A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	24.18	24.09	-0.09
	4A	12A	30A	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	[2]	20	900	1960	24.20	24.13	-0.07
	12A	30A	[2A]	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[2]	20	900	1960	4	20	2175	2132.5	24.15	24.10	-0.05
	30A	[2A]	4A	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	4	20	2175	2132.5	12	10	5095	737.5	21.67	21.66	-0.01
[2A]-[4A]-12A-30A	[2A]	[4A]	12A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	24.18	24.14	-0.04
	[4A]	12A	30A	[2A]	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	12	10	5095	737.5	30	10	9820	2355	[2]	20	900	1960	24.20	24.11	-0.09
	12A	30A	[2A]	[4A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[2]	20	900	1960	[4]	20	2175	2132.5	24.15	24.12	-0.03
	30A	[2A]	[4A]	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[2]	20	900	1960	[4]	20	2175	2132.5	12	10	5095	737.5	21.67	21.62	-0.05
2A-[4A]-29A-30A	2A	[4A]	29A	30A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[4]	20	2175	2132.5	29	10	9715	722.5	30	10	9820	2355	24.18	24.14	-0.04
	[4A]	29A	30A	2A	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	29	10	9715	722.5	30	10	9820	2355	2	20	900	1960	24.20	24.18	-0.02
	30A	29A	2A	[4A]	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	2	20	900	1960	[4]	20	2175	2132.5	21.67	21.61	-0.06
[2A]-4A-29A-30A	[2A]	4A	29A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	4	20	2175	2132.5	29	10	9715	722.5	30	10	9820	2355	24.18	24.13	-0.05
	4A	29A	30A	[2A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	29	10	9715	722.5	30	10	9820	2355	[2]	20	900	1960	24.20	24.17	-0.03
	30A	29A	[2A]	4A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	[2]	20	900	1960	4	20	2175	2132.5	21.67	21.59	-0.08
[2A]-[4A]-29A-30A	[2A]	[4A]	29A	30A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[4]	20	2175	2132.5	29	10	9715	722.5	30	10	9820	2355	24.18	24.14	-0.04
	[4A]	29A	30A	[2A]	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	29	10	9715	722.5	30	10	9820	2355	[2]	20	900	1960	24.20	24.15	-0.05
	30A	29A	[2A]	[4A]	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	[2]	20	900	1960	[4]	20	2175	2132.5	21.67	21.59	-0.08
[2A]-5A-7A-7A	[2A]	5A	7A	7A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	7	20	3350	2680	7	20	3100	2655	24.18	24.17	-0.01
	5A	7A	7A	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3350	2680	7	20	3100	2655	[2]	20	900	1960	24.21	24.14	-0.07
	7A	7A	[2A]	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[2]	20	900	1960	5	10	2525	881.5	22.71	22.65	-0.06
[2A]-5A-7C	[2A]	5A	7C	7C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	7	20	3350	2680	7	20	3152	2660.2	24.18	24.13	-0.05
	5A	7C	7C	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3350	2680	7	20	3152	2660.2	[2]	20	900	1960	24.21	24.18	-0.03
	7C	7C	[2A]	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[2]	20	900	1960	5	10	2525	881.5	22.71	22.71	0.00
2A-5A-7A-[66A]	2A	5A	7A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	7	20	3100	2655	[66]	20	66786	2145	24.18	24.11	-0.07
	5A	7A	[66A]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2655	[66]	20	66786	2145	2	20	900	1960	24.21	24.19	-0.02
	7A	[66A]	2A	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	2	20	900	1960	5	10	2525	881.5	22.71	22.63	-0.08
	[66A]	2A	5A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	5	10	2525	881.5	7	20	3100	2655	23.94	23.93	-0.01
[2A]-5A-7A-66A	[2A]	5A	7A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	7	20	3100	2655	66	20	66786	2145	24.18	24.12	-0.06
	5A	7A	66A	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2655	66	20	66786	2145	[2]	20	900	1960	24.21	24.20	-0.01
	7A	66A	[2A]	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	[2]	20	900	1960	5	10	2525	881.5	22.71	22.64	-0.07
	66A	[2A]	5A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	5	10	2525	881.5	7	20	3100	2655	23.94	23.91	-0.03
[2A]-5A-7A-[66A]	[2A]	5A	7A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	7	20	3100	2655	[66]	20	66786	2145	24.18	24.09	-0.09
	5A	7A	[66A]	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2655	[66]	20	66786	2145	[2]	20	900	1960	24.21	24.16	-0.05
	7A	[66A]	[2A]	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	[2]	20	900	1960	5	10	2525	881.5	22.71	22.66	-0.05
	[66A]	[2A]	5A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	5	10	2525	881.5	7	20	3100	2655	23.94	23.87	-0.07
2A-5A-30A-[66A]	2A	5A	30A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	[66]	20	66786	2145	24.18	24.17	-0.01
	5A	30A	[66A]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	[66]	20	66786	2145	2	20	900	1960	24.21	24.17	-0.04
	30A	[66A]	2A	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	2	20	900	1960	5	10	2525	881.5	21.67	21.62	-0.05
	[66A]	2A	5A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	23.94	23.87	-0.07
[2A]-5A-30A-66A	[2A]	5A	30A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	24.18	24.13	-0.05
	5A	30A	66A	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	[2]	20	900	1960	24.21	24.15	-0.06
	30A	66A	[2A]	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	66	20	66786	2145	[2]	20	900	1960	5	10	2525	881.5	21.67	21.59	-0.08
	66A	[2A]	5A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	5	10	2525	881.5	30	10	9820	2355	23.94	23.87	-0.07
[2A]-5A-30A-[66A]	[2A]	5A	30A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	30	10	9820	2355	[66]	20	66786	2145	24.18	24.10	-0.08
	5A	30A	[66A]	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	[66]	20	66786	2145	[2]	20	900	1960	24.21	24.11	-0.10
	30A	[66A]	[2A]	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	[2]	20	900	1960	5	10	2525	881.5	21.67	21.64	-0.03
	[66A]	[2A]	5A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	5	10	2525	881.5	30	10	9820	2355	23.94	23.86	-0.08

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
2A-5A-[48C]	2A	5A	[48C]	[48C]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	24.18	24.11	-0.07
	5A	[48C]	[48C]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	2	20	900	1960	24.21	24.12	-0.09
[2A]-5A-48C	[2A]	5A	48C	48C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	24.18	24.09	-0.09
	5A	48C	48C	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[2]	20	900	1960	24.21	24.17	-0.04
2A-5A-48A-[66A]	2A	5A	48A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	48	20	56640	3690	[66]	20	66786	2145	24.18	24.12	-0.06
	5A	48A	[66A]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	[66]	20	66786	2145	2	20	900	1960	24.21	24.19	-0.02
	[66A]	48A	2A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	2	20	900	1960	5	10	2525	881.5	23.94	23.86	-0.08
2A-5A-[48A]-66A	2A	5A	[48A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	[48]	20	56640	3690	66	20	66786	2145	24.18	24.16	-0.02
	5A	[48A]	66A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[48]	20	56640	3690	66	20	66786	2145	2	20	900	1960	24.21	24.11	-0.10
	66A	[48A]	2A	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	2	20	900	1960	5	10	2525	881.5	23.94	23.92	-0.02
[2A]-5A-48A-66A	[2A]	5A	48A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	48	20	56640	3690	66	20	66786	2145	24.18	24.13	-0.05
	5A	48A	66A	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	66	20	66786	2145	[2]	20	900	1960	24.21	24.16	-0.05
	66A	48A	[2A]	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	[2]	20	900	1960	5	10	2525	881.5	23.94	23.90	-0.04
2A-5A-[48A]-[66A]	2A	5A	[48A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	[48]	20	56640	3690	[66]	20	66786	2145	24.18	24.14	-0.04
	5A	[48A]	[66A]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[48]	20	56640	3690	[66]	20	66786	2145	2	20	900	1960	24.21	24.20	-0.01
	[66A]	[48A]	2A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[48]	20	56640	3690	2	20	900	1960	5	10	2525	881.5	23.94	23.87	-0.07
[2A]-5A-48A-[66A]	[2A]	5A	48A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	48	20	56640	3690	[66]	20	66786	2145	24.18	24.16	-0.02
	5A	48A	[66A]	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	[66]	20	66786	2145	[2]	20	900	1960	24.21	24.11	-0.10
	[66A]	48A	[2A]	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	[2]	20	900	1960	5	10	2525	881.5	23.94	23.92	-0.02
[2A]-5A-[48A]-66A	[2A]	5A	[48A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	[48]	20	56640	3690	66	20	66786	2145	24.18	24.18	0.00
	5A	[48A]	66A	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[48]	20	56640	3690	66	20	66786	2145	[2]	20	900	1960	24.21	24.19	-0.02
	66A	[48A]	[2A]	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	[2]	20	900	1960	5	10	2525	881.5	23.94	23.92	-0.02
2A-5A-[66A]-66A	2A	5A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	[66]	20	66786	2145	66	20	67036	2170	24.18	24.08	-0.10
	5A	[66A]	66A	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	24.21	24.21	0.00
	[66A]	66A	2A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	5	10	2525	881.5	23.94	23.87	-0.07
	66A	2A	5A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	5	10	2525	881.5	[66]	20	67036	2170	23.94	23.93	-0.01
[2A]-5A-66A-66A	[2A]	5A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	67036	2170	24.18	24.13	-0.05
	5A	66A	66A	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	24.21	24.11	-0.10
	66A	66A	[2A]	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	5	10	2525	881.5	23.94	23.88	-0.06
2A-5A-[66A]-[66A]	2A	5A	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.17	-0.01
	5A	[66A]	[66A]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	24.21	24.11	-0.10
	[66A]	[66A]	2A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	5	10	2525	881.5	23.94	23.90	-0.04
[2A]-5A-[66A]-66A	[2A]	5A	[66A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	[66]	20	66786	2145	66	20	67036	2170	24.18	24.16	-0.02
	5A	[66A]	66A	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	24.21	24.13	-0.08
	[66A]	66A	[2A]	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	5	10	2525	881.5	23.94	23.89	-0.05
	66A	[2A]	5A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	5	10	2525	881.5	[66]	20	67036	2170	23.94	23.92	-0.02
2A-5A-[66B]	2A	5A	[66B]	[66B]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	[66]	15	66786	2145	[66]	5	66693	2135.7	24.18	24.09	-0.09
	5A	[66B]	[66B]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[66]	15	66786	2145	[66]	5	66693	2135.7	2	20	900	1960	24.21	24.14	-0.07
	[66B]	[66B]	2A	5A	[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	2	20	900	1960	5	10	2525	881.5	23.83	23.81	-0.02
[2A]-5A-66B	[2A]	5A	66B	66B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	66	15	66786	2145	66	5	66693	2135.7	24.18	24.10	-0.08
	5A	66B	66B	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	66	15	66786	2145	66	5	66693	2135.7	[2]	20	900	1960	24.21	24.12	-0.09
	66B	66B	[2A]	5A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[2]	20	900	1960	5	10	2525	881.5	23.83	23.83	0.00
2A-5A-[66C]	2A	5A	[66C]	[66C]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	5	10	2525	881.5	[66]	20	66536	2120	[66]	20	66734	2139.8	24.18	24.10	-0.08
	5A	[66C]	[66C]	2A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[66]	20	66536	2120	[66]	20	66734	2139.8	2	20	900	1960	24.21	24.12	-0.09
	[66C]	[66C]	2A	5A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	2	20	900	1960	5	10	2525	881.5	23.81	23.76	-0.05
[2A]-5A-66C	[2A]	5A	66C	66C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	5	10	2525	881.5	66	20	66536	2120	66	20	66734	2139.8	24.18	24.10	-0.08
	5A	66C	66C	[2A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	66	20	66536	2120	66	20	66734	2139.8	[2]	20	900	1960	24.21	24.18	-0.03
	66C	66C	[2A]	5A	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	[2]	20	900	1960	5	10	2525	881.5	23.81	23.78	-0.03
[2A]-7A-7A-13A	[2A]	7A	7A	13A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3100	2655	13	10	5230	751	24.18	24.14	-0.04
	7A	7A	13A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	13	10	5230	751	[2]	20	900	1960	22.71	22.63	-0.08
	13A	[2A]	7A	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[2]	20	900	1960	7	20	3350	2680	7	20	3100	2655	23.65	23.57	-0.08
[2A]-7C-13A	[2A]	7C	7C	13A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	13	10	5230	751	24.18	24.15	-0.03
	7C	7C	13A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	13	10	5230	751	[2]	20	900	1960	22.71	22.70	-0.01
	13A	[2A]	7C	7C	13	QPSK	10	23230	782	1	0	13	10	5230	751	[2]	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	23.65	23.63	-0.02
[2A]-7A-7A-29A	[2A]	7A	7A	29A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3100	2655	29	10	9715	722.5	24.18	24.10	-0.08
	7A	7A	29A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	29	10	9715	722.5	[2]	20	900	1960	22.71	22.68	-0.03
[2A]-7C-29A	[2A]	7C	7C	29A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	29	10	9715	722.5	24.18	24.13	-0.05
	7C	7C	29A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	29	10	9715	722.5	[2]	20	900	1960	22.71	22.63	-0.08
2A-7A-7A-[66A]	2A	7A	7A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3350	2680	7	20	3100	2655	[66]	20	66786	2145	24.18	24.12	-0.06
	7A	7A	[66A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[66]	20	66786	2145	2	20	900	1960	22.71	22.64	-0.07
	[66A]	2A	7A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	7	20	3350	2680	7	20	3100	2655	23.94	23.88	-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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-7A-7A-66A	[2A]	7A	7A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3100	2655	66	20	66786	2145	24.18	24.11	-0.07
	7A	7A	66A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	66	20	66786	2145	[2]	20	900	1960	22.71	22.64	-0.07
	66A	[2A]	7A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	7	20	3350	2680	7	20	3100	2655	23.94	23.85	-0.09
[2A]-7A-7A-[66A]	[2A]	7A	7A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3100	2655	[66]	20	66786	2145	24.18	24.12	-0.06
	7A	7A	[66A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[66]	20	66786	2145	[2]	20	900	1960	22.71	22.66	-0.05
	[66A]	[2A]	7A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	7	20	3350	2680	7	20	3100	2655	23.94	23.86	-0.08
2A-7C-[66A]	2A	7C	7C	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	[66]	20	66786	2145	24.18	24.15	-0.03
	7C	7C	[66A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[66]	20	66786	2145	2	20	900	1960	22.71	22.70	-0.01
	[66A]	2A	7C	7C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	23.94	23.93	-0.01
[2A]-7C-66A	[2A]	7C	7C	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	66	20	66786	2145	24.18	24.09	-0.09
	7C	7C	66A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	66	20	66786	2145	[2]	20	900	1960	22.71	22.62	-0.09
	66A	[2A]	7C	7C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	23.94	23.84	-0.10
[2A]-7C-[66A]	[2A]	7C	7C	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	[66]	20	66786	2145	24.18	24.13	-0.05
	7C	7C	[66A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[66]	20	66786	2145	[2]	20	900	1960	22.71	22.61	-0.10
	[66A]	[2A]	7C	7C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	7	20	3350	2680	7	20	3152	2660.2	23.94	23.91	-0.03
[2A]-7A-12B	[2A]	7A	12B	12B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	12	10	5095	737.5	12	1.4	5173	745.3	24.18	24.15	-0.03
	7A	12B	12B	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	12	1.4	5173	745.3	[2]	20	900	1960	22.71	22.63	-0.08
	12B	12B	[2A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[2]	20	900	1960	7	20	3100	2655	24.15	24.14	-0.01
2A-7A-12A-[66A]	2A	7A	12A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	12	10	5095	737.5	[66]	20	66786	2145	24.18	24.13	-0.05
	7A	12A	[66A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	[66]	20	66786	2145	2	20	900	1960	22.71	22.65	-0.06
	12A	[66A]	2A	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	66786	2145	2	20	900	1960	7	20	3100	2655	24.15	24.08	-0.07
	[66A]	2A	7A	12A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	7	20	3100	2655	12	10	5095	737.5	23.94	23.90	-0.04
[2A]-7A-12A-66A	[2A]	7A	12A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	12	10	5095	737.5	66	20	66786	2145	24.18	24.14	-0.04
	7A	12A	66A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	66	20	66786	2145	[2]	20	900	1960	22.71	22.65	-0.06
	12A	66A	[2A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	[2]	20	900	1960	7	20	3100	2655	24.15	24.15	0.00
	66A	[2A]	7A	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	7	20	3100	2655	12	10	5095	737.5	23.94	23.90	-0.04
[2A]-7A-12A-[66A]	[2A]	7A	12A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	12	10	5095	737.5	[66]	20	66786	2145	24.18	24.14	-0.04
	7A	12A	[66A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	[66]	20	66786	2145	[2]	20	900	1960	22.71	22.66	-0.05
	12A	[66A]	[2A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	66786	2145	[2]	20	900	1960	7	20	3100	2655	24.15	24.05	-0.10
	[66A]	[2A]	7A	12A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	7	20	3100	2655	12	10	5095	737.5	23.94	23.90	-0.04
2A-7A-13A-[66A]	2A	7A	13A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	13	10	5230	751	[66]	20	66786	2145	24.18	24.15	-0.03
	7A	13A	[66A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	[66]	20	66786	2145	2	20	900	1960	22.71	22.69	-0.02
	13A	[66A]	2A	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	2	20	900	1960	7	20	3100	2655	23.65	23.59	-0.06
	[66A]	2A	7A	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	7	20	3100	2655	13	10	5230	751	23.94	23.94	0.00
[2A]-7A-13A-66A	[2A]	7A	13A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	13	10	5230	751	66	20	66786	2145	24.18	24.10	-0.08
	7A	13A	66A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	66	20	66786	2145	[2]	20	900	1960	22.71	22.62	-0.09
	13A	66A	[2A]	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	[2]	20	900	1960	7	20	3100	2655	23.65	23.64	-0.01
	66A	[2A]	7A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	7	20	3100	2655	13	10	5230	751	23.94	23.88	-0.06
[2A]-7A-13A-[66A]	[2A]	7A	13A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	13	10	5230	751	[66]	20	66786	2145	24.18	24.17	-0.01
	7A	13A	[66A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	13	10	5230	751	[66]	20	66786	2145	[2]	20	900	1960	22.71	22.62	-0.09
	13A	[66A]	[2A]	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	[2]	20	900	1960	7	20	3100	2655	23.65	23.56	-0.09
	[66A]	[2A]	7A	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	7	20	3100	2655	13	10	5230	751	23.94	23.88	-0.06
2A-7A-29A-[66A]	2A	7A	29A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	29	10	9715	722.5	[66]	20	66786	2145	24.18	24.09	-0.09
	7A	29A	[66A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	29	10	9715	722.5	[66]	20	66786	2145	2	20	900	1960	22.71	22.63	-0.08
	[66A]	29A	2A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	2	20	900	1960	7	20	3100	2655	23.94	23.91	-0.03
[2A]-7A-29A-66A	[2A]	7A	29A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	29	10	9715	722.5	66	20	66786	2145	24.18	24.16	-0.02
	7A	29A	66A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	29	10	9715	722.5	66	20	66786	2145	[2]	20	900	1960	22.71	22.66	-0.05
	66A	29A	[2A]	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	[2]	20	900	1960	7	20	3100	2655	23.94	23.90	-0.04
[2A]-7A-29A-[66A]	[2A]	7A	29A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	29	10	9715	722.5	[66]	20	66786	2145	24.18	24.14	-0.04
	7A	29A	[66A]	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	29	10	9715	722.5	[66]	20	66786	2145	[2]	20	900	1960	22.71	22.62	-0.09
	[66A]	29A	[2A]	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	[2]	20	900	1960	7	20	3100	2655	23.94	23.87	-0.07
2A-7A-[66A]-66A	2A	7A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	[66]	20	66786	2145	66	20	67036	2170	24.18	24.17	-0.01
	7A	[66A]	66A	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	22.71	22.69	-0.02
	[66A]	66A	2A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	7	20	3100	2655	23.94	23.87	-0.07
	66A	2A	7A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	7	20	3100	2655	[66]	20	67036	2170	23.94	23.85	-0.09
[2A]-7A-66A-66A	[2A]	7A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	66	20	66786	2145	66	20	67036	2170	24.18	24.12	-0.06
	7A	66A	66A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	22.71	22.65	-0.06
	66A	66A	[2A]	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	7	20	3100	2655	23.94	23.87	-0.07
2A-7A-[66A]-[66A]	2A	7A	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	7	20	3100	2655	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.15	-0.03
	7A	[66A]	[66A]	2A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	22.71	22.66	-0.05
	[66A]	[66A]	2A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	7	20	3100	2655	23.94	23.89	-0.05

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-7A-[66A]-66A	[2A]	7A	[66A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	7	20	3100	2655	[66]	20	66786	2145	66	20	67036	2170	24.18	24.11	-0.07
	7A	[66A]	66A	[2A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	22.71	22.70	-0.01
	[66A]	66A	[2A]	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	7	20	3100	2655	23.94	23.91	-0.03
	66A	[2A]	7A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	7	20	3100	2655	[66]	20	67036	2170	23.94	23.93	-0.01
2A-12B-[66A]	2A	12B	12B	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	66786	2145	24.18	24.14	-0.04
	12B	12B	[66A]	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	66786	2145	2	20	900	1960	24.15	24.12	-0.03
	[66A]	2A	12B	12B	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	12	10	5095	737.5	12	1.4	5173	745.3	23.94	23.92	-0.02
[2A]-12B-66A	[2A]	12B	12B	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	12	10	5095	737.5	12	1.4	5173	745.3	66	20	66786	2145	24.18	24.08	-0.10
	12B	12B	66A	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	66	20	66786	2145	[2]	20	900	1960	24.15	24.14	-0.01
	66A	[2A]	12B	12B	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	12	10	5095	737.5	12	1.4	5173	745.3	23.94	23.87	-0.07
[2A]-12B-[66A]	[2A]	12B	12B	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	66786	2145	24.18	24.15	-0.03
	12B	12B	[66A]	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	66786	2145	[2]	20	900	1960	24.15	24.14	-0.01
	[66A]	[2A]	12B	12B	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	12	10	5095	737.5	12	1.4	5173	745.3	23.94	23.92	-0.02
2A-12A-30A-[66A]	2A	12A	30A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	[66]	20	66786	2145	24.18	24.18	0.00
	12A	30A	[66A]	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[66]	20	66786	2145	2	20	900	1960	24.15	24.12	-0.03
	30A	[66A]	2A	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	2	20	900	1960	12	10	5095	737.5	21.67	21.59	-0.08
	[66A]	2A	12A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	23.94	23.91	-0.03
[2A]-12A-30A-66A	[2A]	12A	30A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	24.18	24.15	-0.03
	12A	30A	66A	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	[2]	20	900	1960	24.15	24.15	0.00
	30A	66A	[2A]	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	66	20	66786	2145	[2]	20	900	1960	12	10	5095	737.5	21.67	21.58	-0.09
	66A	[2A]	12A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	12	10	5095	737.5	30	10	9820	2355	23.94	23.92	-0.02
[2A]-12A-30A-[66A]	[2A]	12A	30A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	12	10	5095	737.5	30	10	9820	2355	[66]	20	66786	2145	24.18	24.15	-0.03
	12A	30A	[66A]	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[66]	20	66786	2145	[2]	20	900	1960	24.15	24.11	-0.04
	30A	[66A]	[2A]	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	[2]	20	900	1960	12	10	5095	737.5	21.67	21.58	-0.09
	[66A]	[2A]	12A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	12	10	5095	737.5	30	10	9820	2355	23.94	23.93	-0.01
2A-12A-[66A]-66A	2A	12A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	[66]	20	66786	2145	66	20	67036	2170	24.18	24.09	-0.09
	12A	[66A]	66A	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	24.15	24.15	0.00
	[66A]	66A	2A	12A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	12	10	5095	737.5	23.94	23.91	-0.03
	66A	2A	12A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	12	10	5095	737.5	[66]	20	67036	2170	23.94	23.88	-0.06
[2A]-12A-66A-66A	[2A]	12A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67036	2170	24.18	24.16	-0.02
	12A	66A	66A	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	24.15	24.11	-0.04
	66A	66A	[2A]	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	12	10	5095	737.5	23.94	23.92	-0.02
2A-12A-[66A]-[66A]	2A	12A	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.16	-0.02
	12A	[66A]	[66A]	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	24.15	24.07	-0.08
	[66A]	[66A]	2A	12A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	12	10	5095	737.5	23.94	23.88	-0.06
[2A]-12A-[66A]-66A	[2A]	12A	[66A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	12	10	5095	737.5	[66]	20	66786	2145	66	20	67036	2170	24.18	24.08	-0.10
	12A	[66A]	66A	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	24.15	24.06	-0.09
	[66A]	66A	[2A]	12A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	12	10	5095	737.5	23.94	23.88	-0.06
	66A	[2A]	12A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	12	10	5095	737.5	[66]	20	67036	2170	23.94	23.85	-0.09
2A-12A-[66C]	2A	12A	[66C]	[66C]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	12	10	5095	737.5	[66]	20	66536	2120	[66]	20	66734	2139.8	24.18	24.14	-0.04
	12A	[66C]	[66C]	2A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	66536	2120	[66]	20	66734	2139.8	2	20	900	1960	24.15	24.06	-0.09
	[66C]	[66C]	2A	12A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	2	20	900	1960	12	10	5095	737.5	23.81	23.81	0.00
[2A]-12A-66C	[2A]	12A	66C	66C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	12	10	5095	737.5	66	20	66536	2120	66	20	66734	2139.8	24.18	24.15	-0.03
	12A	66C	66C	[2A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66536	2120	66	20	66734	2139.8	[2]	20	900	1960	24.15	24.11	-0.04
	66C	66C	[2A]	12A	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	[2]	20	900	1960	12	10	5095	737.5	23.81	23.81	0.00
2A-13A-[48C]	2A	13A	[48C]	[48C]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	24.18	24.18	0.00
	13A	[48C]	[48C]	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	2	20	900	1960	23.65	23.60	-0.05
[2A]-13A-48C	[2A]	13A	48C	48C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	24.18	24.14	-0.04
	13A	48C	48C	[2A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	[2]	20	900	1960	23.65	23.61	-0.04
2A-13A-48A-[66A]	2A	13A	48A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	48	20	56640	3690	[66]	20	66786	2145	24.18	24.09	-0.09
	13A	48A	[66A]	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	[66]	20	66786	2145	2	20	900	1960	23.65	23.63	-0.02
	[66A]	48A	2A	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	2	20	900	1960	13	10	5230	751	23.94	23.87	-0.07
2A-13A-[48A]-66A	2A	13A	[48A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	[48]	20	56640	3690	66	20	66786	2145	24.18	24.08	-0.10
	13A	[48A]	66A	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[48]	20	56640	3690	66	20	66786	2145	2	20	900	1960	23.65	23.64	-0.01
	66A	[48A]	2A	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	2	20	900	1960	13	10	5230	751	23.94	23.84	-0.10
[2A]-13A-48A-66A	[2A]	13A	48A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	13	10	5230	751	48	20	56640	3690	66	20	66786	2145	24.18	24.15	-0.03
	13A	48A	66A	[2A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	66	20	66786	2145	[2]	20	900	1960	23.65	23.61	-0.04
	66A	48A	[2A]	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	[2]	20	900	1960	13	10	5230	751	23.94	23.93	-0.01
2A-13A-[48A]-[66A]	2A	13A	[48A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	[48]	20	56640	3690	[66]	20	66786	2145	24.18	24.10	-0.08
	13A	[48A]	[66A]	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[48]	20	56640	3690	[66]	20	66786	2145	2	20	900	1960	23.65	23.61	-0.04
	[66A]	[48A]	2A	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[48]	20	56640	3690	2	20	900	1960	13	10	5230	751	23.94	23.91	-0.03

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-13A-48A-[66A]	[2A]	13A	48A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	13	10	5230	751	48	20	56640	3690	[66]	20	66786	2145	24.18	24.14	-0.04
	13A	48A	[66A]	[2A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	[66]	20	66786	2145	[2]	20	900	1960	23.65	23.56	-0.09
	[66A]	48A	[2A]	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	[2]	20	900	1960	13	10	5230	751	23.94	23.91	-0.03
[2A]-13A-[48A]-66A	[2A]	13A	[48A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	13	10	5230	751	[48]	20	56640	3690	66	20	66786	2145	24.18	24.14	-0.04
	13A	[48A]	66A	[2A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	[48]	20	56640	3690	66	20	66786	2145	[2]	20	900	1960	23.65	23.63	-0.02
	66A	[48A]	[2A]	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	[2]	20	900	1960	13	10	5230	751	23.94	23.88	-0.06
2A-13A-[66A]-66A	2A	13A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	[66]	20	66786	2145	66	20	67036	2170	24.18	24.18	0.00
	13A	[66A]	66A	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	23.65	23.55	-0.10
	[66A]	66A	2A	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	13	10	5230	751	23.94	23.87	-0.07
	66A	2A	13A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	13	10	5230	751	[66]	20	67036	2170	23.94	23.85	-0.09
[2A]-13A-66A-66A	[2A]	13A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	13	10	5230	751	66	20	66786	2145	66	20	67036	2170	24.18	24.17	-0.01
	13A	66A	66A	[2A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	23.65	23.58	-0.07
	66A	66A	[2A]	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	13	10	5230	751	23.94	23.89	-0.05
2A-13A-[66A]-[66A]	2A	13A	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.18	0.00
	13A	[66A]	[66A]	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	23.65	23.64	-0.01
	[66A]	[66A]	2A	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	13	10	5230	751	23.94	23.86	-0.08
[2A]-13A-[66A]-66A	[2A]	13A	[66A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	13	10	5230	751	[66]	20	66786	2145	66	20	67036	2170	24.18	24.17	-0.01
	13A	[66A]	66A	[2A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	23.65	23.60	-0.05
	[66A]	66A	[2A]	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	13	10	5230	751	23.94	23.89	-0.05
	66A	[2A]	13A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	13	10	5230	751	[66]	20	67036	2170	23.94	23.87	-0.07
2A-13A-[66B]	2A	13A	[66B]	[66B]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	[66]	15	66786	2145	[66]	5	66693	2135.7	24.18	24.16	-0.02
	13A	[66B]	[66B]	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	15	66786	2145	[66]	5	66693	2135.7	2	20	900	1960	23.65	23.57	-0.08
	[66B]	[66B]	2A	13A	[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	2	20	900	1960	13	10	5230	751	23.83	23.79	-0.04
[2A]-13A-66B	[2A]	13A	66B	66B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	13	10	5230	751	66	15	66786	2145	66	5	66693	2135.7	24.18	24.15	-0.03
	13A	66B	66B	[2A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	15	66786	2145	66	5	66693	2135.7	[2]	20	900	1960	23.65	23.57	-0.08
	66B	66B	[2A]	13A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[2]	20	900	1960	13	10	5230	751	23.83	23.75	-0.08
2A-13A-[66C]	2A	13A	[66C]	[66C]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	13	10	5230	751	[66]	20	66536	2120	[66]	20	66734	2139.8	24.18	24.10	-0.08
	13A	[66C]	[66C]	2A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66536	2120	[66]	20	66734	2139.8	2	20	900	1960	23.65	23.62	-0.03
	[66C]	[66C]	2A	13A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	2	20	900	1960	13	10	5230	751	23.81	23.72	-0.09
[2A]-13A-66C	[2A]	13A	66C	66C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	13	10	5230	751	66	20	66536	2120	66	20	66734	2139.8	24.18	24.15	-0.03
	13A	66C	66C	[2A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66536	2120	66	20	66734	2139.8	[2]	20	900	1960	23.65	23.57	-0.08
	66C	66C	[2A]	13A	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	[2]	20	900	1960	13	10	5230	751	23.81	23.78	-0.03
2A-14A-30A-[66A]	2A	14A	30A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	14	10	5330	763	30	10	9820	2355	[66]	20	66786	2145	24.18	24.13	-0.05
	14A	30A	[66A]	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[66]	20	66786	2145	2	20	900	1960	23.67	23.59	-0.08
	30A	[66A]	2A	14A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	2	20	900	1960	14	10	5330	763	21.67	21.62	-0.05
	[66A]	2A	14A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	2	20	900	1960	14	10	5330	763	30	10	9820	2355	23.94	23.90	-0.04
[2A]-14A-30A-66A	[2A]	14A	30A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	24.18	24.10	-0.08
	14A	30A	66A	[2A]	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	[2]	20	900	1960	23.67	23.65	-0.02
	30A	66A	[2A]	14A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	66	20	66786	2145	[2]	20	900	1960	14	10	5330	763	21.67	21.63	-0.04
	66A	[2A]	14A	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	14	10	5330	763	30	10	9820	2355	23.94	23.94	0.00
[2A]-14A-30A-[66A]	[2A]	14A	30A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	14	10	5330	763	30	10	9820	2355	[66]	20	66786	2145	24.18	24.17	-0.01
	14A	30A	[66A]	[2A]	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[66]	20	66786	2145	[2]	20	900	1960	23.67	23.64	-0.03
	30A	[66A]	[2A]	14A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	[2]	20	900	1960	14	10	5330	763	21.67	21.57	-0.10
	[66A]	[2A]	14A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[2]	20	900	1960	14	10	5330	763	30	10	9820	2355	23.94	23.87	-0.07
2A-14A-[66A]-66A	2A	14A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	14	10	5330	763	[66]	20	66786	2145	66	20	67036	2170	24.18	24.10	-0.08
	14A	[66A]	66A	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	23.67	23.58	-0.09
	[66A]	66A	2A	14A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	14	10	5330	763	23.94	23.91	-0.03
	66A	2A	14A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	14	10	5330	763	[66]	20	67036	2170	23.94	23.85	-0.09
[2A]-14A-66A-66A	[2A]	14A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	14	10	5330	763	66	20	66786	2145	66	20	67036	2170	24.18	24.14	-0.04
	14A	66A	66A	[2A]	14	QPSK	10	23330	793	1	0	14	10	5330	763	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	23.67	23.59	-0.08
	66A	66A	[2A]	14A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	14	10	5330	763	23.94	23.92	-0.02
2A-14A-[66A]-[66A]	2A	14A	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	14	10	5330	763	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.14	-0.04
	14A	[66A]	[66A]	2A	14	QPSK	10	23330	793	1	0	14	10	5330	763	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	23.67	23.60	-0.07
	[66A]	[66A]	2A	14A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	14	10	5330	763	23.94	23.87	-0.07
[2A]-14A-[66A]-66A	[2A]	14A	[66A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	14	10	5330	763	[66]	20	66786	2145	66	20	67036	2170	24.18	24.13	-0.05
	14A	[66A]	66A	[2A]	14	QPSK	10	23330	793	1	0	14	10	5330	763	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	23.67	23.57	-0.10
	[66A]	66A	[2A]	14A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	14	10	5330	763	23.94	23.91	-0.03
	66A	[2A]	14A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	14	10	5330	763	[66]	20	67036	2170	23.94	23.90	-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				UL							DL																LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
2A-29A-30A-[66A]	2A	29A	30A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	[66]	20	66786	2145	24.18	24.13	-0.05
	30A	29A	[66A]	2A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	[66]	20	66786	2145	2	20	900	1960	21.67	21.61	-0.06
	[66A]	29A	2A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	2	20	900	1960	30	10	9820	2355	23.94	23.88	-0.06
[2A]-29A-30A-66A	[2A]	29A	30A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	29	10	9715	722.5	30	10	9820	2355	66	20	66786	2145	24.18	24.12	-0.06
	30A	29A	66A	[2A]	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	66	20	66786	2145	[2]	20	900	1960	21.67	21.66	-0.01
	66A	29A	[2A]	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	[2]	20	900	1960	30	10	9820	2355	23.94	23.86	-0.08
[2A]-29A-30A-[66A]	[2A]	29A	30A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	29	10	9715	722.5	30	10	9820	2355	[66]	20	66786	2145	24.18	24.15	-0.03
	30A	29A	[66A]	[2A]	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	[66]	20	66786	2145	[2]	20	900	1960	21.67	21.60	-0.07
	[66A]	29A	[2A]	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	[2]	20	900	1960	30	10	9820	2355	23.94	23.88	-0.06
2A-29A-[66A]-66A	2A	29A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	29	10	9715	722.5	[66]	20	66786	2145	66	20	67036	2170	24.18	24.14	-0.04
	[66A]	29A	66A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	66	20	67036	2170	2	20	900	1960	23.94	23.93	-0.01
	66A	29A	2A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	2	20	900	1960	[66]	20	67036	2170	23.94	23.94	0.00
[2A]-29A-66A-66A	[2A]	29A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	29	10	9715	722.5	66	20	66786	2145	66	20	67036	2170	24.18	24.12	-0.06
	66A	66A	29A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	29	10	9715	722.5	[2]	20	900	1960	23.94	23.84	-0.10
2A-29A-[66A]-[66A]	2A	29A	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	29	10	9715	722.5	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.12	-0.06
	[66A]	[66A]	29A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	29	10	9715	722.5	2	20	900	1960	23.94	23.89	-0.05
[2A]-29A-[66A]-66A	[2A]	29A	[66A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	29	10	9715	722.5	[66]	20	66786	2145	66	20	67036	2170	24.18	24.15	-0.03
	[66A]	29A	66A	[2A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	66	20	67036	2170	[2]	20	900	1960	23.94	23.90	-0.04
	66A	29A	[2A]	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	[2]	20	900	1960	[66]	20	67036	2170	23.94	23.84	-0.10
2A-30A-[66A]-66A	2A	30A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170	24.18	24.10	-0.08
	30A	[66A]	66A	2A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	21.67	21.61	-0.06
	[66A]	66A	2A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	2	20	900	1960	30	10	9820	2355	23.94	23.93	-0.01
	66A	2A	30A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	2	20	900	1960	30	10	9820	2355	[66]	20	67036	2170	23.94	23.93	-0.01
[2A]-30A-66A-66A	[2A]	30A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67036	2170	24.18	24.16	-0.02
	30A	66A	66A	[2A]	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	21.67	21.61	-0.06
	66A	66A	[2A]	30A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	30	10	9820	2355	23.94	23.89	-0.05
2A-30A-[66A]-[66A]	2A	30A	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	30	10	9820	2355	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.13	-0.05
	30A	[66A]	[66A]	2A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	21.67	21.59	-0.08
	[66A]	[66A]	2A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	2	20	900	1960	30	10	9820	2355	23.94	23.91	-0.03
[2A]-30A-[66A]-66A	[2A]	30A	[66A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170	24.18	24.11	-0.07
	30A	[66A]	66A	[2A]	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	21.67	21.60	-0.07
	[66A]	66A	[2A]	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	[2]	20	900	1960	30	10	9820	2355	23.94	23.93	-0.01
	66A	[2A]	30A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[2]	20	900	1960	30	10	9820	2355	[66]	20	67036	2170	23.94	23.89	-0.05
2A-48A-[48C]	2A	48A	[48C]	[48C]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56640	3690	[48]	20	55340	3560	[48]	20	55538	3579.8	24.18	24.17	-0.01
2A-[48A]-48C	2A	[48A]	48C	48C	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	24.18	24.13	-0.05
[2A]-48A-48C	[2A]	48A	48C	48C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	48	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	24.18	24.13	-0.05
[2A]-[48A]-48C	[2A]	[48A]	48C	48C	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[48]	20	56640	3690	48	20	55340	3560	48	20	55538	3579.8	24.18	24.17	-0.01
[2A]-48D	[2A]	48D	48D	48D	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	24.18	24.08	-0.10
2A-48A-48A-[66A]	2A	48A	48A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56640	3690	48	20	55340	3560	[66]	20	66786	2145	24.18	24.09	-0.09
	[66A]	48A	48A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	55340	3560	2	20	900	1960	23.94	23.86	-0.08
2A-[48A]-48A-66A	2A	[48A]	48A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[48]	20	56640	3690	48	20	55340	3560	66	20	66786	2145	24.18	24.16	-0.02
	66A	[48A]	48A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	48	20	55340	3560	2	20	900	1960	23.94	23.88	-0.06
[2A]-48A-48A-66A	[2A]	48A	48A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	48	20	56640	3690	48	20	55340	3560	66	20	66786	2145	24.18	24.15	-0.03
	66A	48A	48A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	55340	3560	[2]	20	900	1960	23.94	23.85	-0.09
2A-[48A]-48A-[66A]	2A	[48A]	48A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[48]	20	56640	3690	48	20	55340	3560	[66]	20	66786	2145	24.18	24.08	-0.10
	[66A]	[48A]	48A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[48]	20	56640	3690	48	20	55340	3560	2	20	900	1960	23.94	23.93	-0.01
[2A]-48A-48A-[66A]	[2A]	48A	48A	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	48	20	56640	3690	48	20	55340	3560	[66]	20	66786	2145	24.18	24.10	-0.08
	[66A]	48A	48A	[2A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	55340	3560	[2]	20	900	1960	23.94	23.91	-0.03
2A-[48A]-[48A]-66A	2A	[48A]	[48A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[48]	20	56640	3690	[48]	20	55340	3560	66	20	66786	2145	24.18	24.10	-0.08
	66A	[48A]	[48A]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	[48]	20	55340	3560	2	20	900	1960	23.94	23.87	-0.07
[2A]-[48A]-48A-66A	[2A]	[48A]	48A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[48]	20	56640	3690	48	20	55340	3560	66	20	66786	2145	24.18	24.15	-0.03
	66A	[48A]	48A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	48	20	55340	3560	[2]	20	900	1960	23.94	23.88	-0.06
2A-48C-[66A]	2A	48C	48C	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56640	3690	48	20	56442	3670.2	[66]	20	66786	2145	24.18	24.10	-0.08
	[66A]	48C	48C	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	2	20	900	1960	23.94	23.91	-0.03
2A-[48C]-66A	2A	[48C]	[48C]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	66786	2145	24.18	24.18	0.00
	66A	[48C]	[48C]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	[48]	20	56442	3670.2	2	20	900	1960	23.94	23.91	-0.03
[2A]-48C-66A	[2A]	48C	48C	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	48	20	56640	3690	48	20	56442	3670.2	66	20	66786	2145	24.18	24.08	-0.10
	66A	48C	48C	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	[2]	20	900	1960	23.94	23.88	-0.06
[2A]-48C-[66A]	[2A]	48C	48C	[66A]	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	48	20	56640	3690	48	20	56442	3670.2	[66]	20	66786	2145	24.18	24.09	-0.09
	[66A]	48C	48C	[2A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	[2]	20	900	1960	23.94	23.90	-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				UL							DL																LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
2A-48A-[66A]-66A	2A	48A	[66A]	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56640	3690	[66]	20	66786	2145	66	20	67036	2170	24.18	24.09	-0.09
	[66A]	48A	66A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	66	20	67036	2170	2	20	900	1960	23.94	23.94	0.00
	66A	48A	2A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	2	20	900	1960	[66]	20	67036	2170	23.94	23.87	-0.07
2A-48A-[66A]-[66A]	2A	48A	[66A]	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	48	20	56640	3690	[66]	20	66786	2145	[66]	20	67036	2170	24.18	24.14	-0.04
	[66A]	[66A]	48A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	48	20	56640	3690	2	20	900	1960	23.94	23.93	-0.01
2A-[48A]-66A-66A	2A	[48A]	66A	66A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[48]	20	56640	3690	66	20	66786	2145	66	20	67036	2170	24.18	24.09	-0.09
	66A	66A	[48A]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[48]	20	56640	3690	2	20	900	1960	23.94	23.89	-0.05
2A-[48A]-66A-[66A]	2A	[48A]	66A	[66A]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[48]	20	56640	3690	66	20	66786	2145	[66]	20	67036	2170	24.18	24.12	-0.06
	66A	[48A]	[66A]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	[66]	20	67036	2170	2	20	900	1960	23.94	23.87	-0.07
	[66A]	[48A]	2A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[48]	20	56640	3690	2	20	900	1960	66	20	67036	2170	23.94	23.87	-0.07
[2A]-48A-66A-66A	[2A]	48A	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	48	20	56640	3690	66	20	66786	2145	66	20	67036	2170	24.18	24.12	-0.06
	66A	66A	48A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	48	20	56640	3690	[2]	20	900	1960	23.94	23.90	-0.04
[2A]-[48A]-66A-66A	[2A]	[48A]	66A	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[48]	20	56640	3690	66	20	66786	2145	66	20	67036	2170	24.18	24.13	-0.05
	66A	66A	[48A]	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[48]	20	56640	3690	[2]	20	900	1960	23.94	23.84	-0.10
[2A]-48A-[66A]-66A	[2A]	48A	[66A]	66A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	48	20	56640	3690	[66]	20	66786	2145	66	20	67036	2170	24.18	24.13	-0.05
	[66A]	48A	66A	[2A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	66	20	67036	2170	[2]	20	900	1960	23.94	23.90	-0.04
	66A	48A	[2A]	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	[2]	20	900	1960	[66]	20	67036	2170	23.94	23.91	-0.03
[2A]-66A-66B	[2A]	66A	66B	66B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	66	20	66786	2145	66	15	66786	2145	66	5	66693	2135.7	24.18	24.14	-0.04
	66A	66B	66B	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	15	67061	2172.5	66	5	66968	2163.2	[2]	20	900	1960	23.94	23.91	-0.03
	66B	66B	[2A]	66A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[2]	20	900	1960	66	20	67036	2170	23.83	23.79	-0.04
2A-[66A]-66B	2A	[66A]	66B	66B	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[66]	20	66786	2145	66	15	66786	2145	66	5	66693	2135.7	24.18	24.17	-0.01
	[66A]	66B	66B	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	15	67061	2172.5	66	5	66968	2163.2	2	20	900	1960	23.94	23.87	-0.07
	66B	66B	2A	[66A]	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	2	20	900	1960	[66]	20	67036	2170	23.83	23.79	-0.04
2A-66A-[66B]	2A	66A	[66B]	[66B]	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	[66]	15	66786	2145	[66]	5	66693	2135.7	24.18	24.10	-0.08
	66A	[66B]	[66B]	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	15	67061	2172.5	[66]	5	66968	2163.2	2	20	900	1960	23.94	23.87	-0.07
	[66B]	[66B]	2A	66A	[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	2	20	900	1960	66	20	67036	2170	23.83	23.79	-0.04
[2A]-[66A]-66B	[2A]	[66A]	66B	66B	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[66]	20	66786	2145	66	15	66786	2145	66	5	66693	2135.7	24.18	24.14	-0.04
	[66A]	66B	66B	[2A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	15	67061	2172.5	66	5	66968	2163.2	[2]	20	900	1960	23.94	23.89	-0.05
	66B	66B	[2A]	[66A]	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[2]	20	900	1960	[66]	20	67036	2170	23.83	23.78	-0.05
2A-66A-[66A]-71A	2A	66A	[66A]	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	24.18	24.08	-0.10
	66A	[66A]	71A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	2	20	900	1960	23.94	23.86	-0.08
	[66A]	71A	2A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	71	20	68761	634.5	2	20	900	1960	66	20	67036	2170	23.94	23.87	-0.07
	71A	2A	66A	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	66	20	66786	2145	[66]	20	67036	2170	24.07	24.04	-0.03
	2A	[66A]	66A	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[66]	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	24.18	24.16	-0.02
	[66A]	66A	71A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	2	20	900	1960	23.94	23.93	-0.01
	66A	71A	2A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	2	20	900	1960	[66]	20	67036	2170	23.94	23.87	-0.07
	71A	2A	[66A]	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	[66]	20	66786	2145	66	20	67036	2170	24.07	24.02	-0.05
2A-[66A]-66A-71A	2A	66A	[66A]	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	66	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	24.18	24.12	-0.06
	66A	[66A]	71A	2A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	2	20	900	1960	23.94	23.86	-0.08
	[66A]	71A	2A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	71	20	68761	634.5	2	20	900	1960	66	20	67036	2170	23.94	23.92	-0.02
	71A	2A	66A	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	66	20	66786	2145	[66]	20	67036	2170	24.07	24.05	-0.02
	2A	[66A]	66A	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[66]	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	24.18	24.15	-0.03
	[66A]	66A	71A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	2	20	900	1960	23.94	23.93	-0.01
	66A	71A	2A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	2	20	900	1960	[66]	20	67036	2170	23.94	23.89	-0.05
	71A	2A	[66A]	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	[66]	20	66786	2145	66	20	67036	2170	24.07	24.06	-0.01
[2A]-66A-66A-71A	[2A]	66A	66A	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	66	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	24.18	24.15	-0.03
	66A	66A	71A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	[2]	20	900	1960	23.94	23.87	-0.07
	71A	[2A]	66A	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	66	20	66786	2145	66	20	67036	2170	24.07	24.02	-0.05
2A-[66A]-[66A]-71A	2A	[66A]	[66A]	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[66]	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	24.18	24.10	-0.08
	[66A]	[66A]	71A	2A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	2	20	900	1960	23.94	23.86	-0.08
	71A	2A	[66A]	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	[66]	20	66786	2145	[66]	20	67036	2170	24.07	24.06	-0.01
[2A]-66A-[66A]-71A	[2A]	66A	[66A]	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	66	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	24.18	24.08	-0.10
	66A	[66A]	71A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	[2]	20	900	1960	23.94	23.91	-0.03
	[66A]	71A	[2A]	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	71	20	68761	634.5	[2]	20	900	1960	66	20	67036	2170	23.94	23.93	-0.01
	71A	[2A]	66A	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	[66]	20	66786	2145	[66]	20	67036	2170	24.07	24.03	-0.04
	[2A]	[66A]	66A	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[66]	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	24.18	24.15	-0.03
	[66A]	66A	71A	[2A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	[2]	20	900	1960	23.94	23.87	-0.07
	66A	71A	[2A]	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	[2]	20	900	1960	[66]	20	67036	2170	23.94	23.88	-0.06
	71A	[2A]	[66A]	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	[66]	20	66786	2145	66	20	67036	2170	24.07	24.05	-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 configutation (BCS)	Bands				UL							DL																LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
[2A]-[66A]-66A-71A	[2A]	66A	[66A]	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	66	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	24.18	24.15	-0.03
	66A	[66A]	71A	[2A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	71	20	68761	634.5	[2]	20	900	1960	23.94	23.93	-0.01
	[66A]	71A	[2A]	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	71	20	68761	634.5	[2]	20	900	1960	66	20	67036	2170	23.94	23.89	-0.05
	71A	[2A]	66A	[66A]	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	66	20	66786	2145	[66]	20	67036	2170	24.07	24.05	-0.02
	[2A]	[66A]	66A	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	[66]	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	24.18	24.09	-0.09
	[66A]	66A	71A	[2A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	71	20	68761	634.5	[2]	20	900	1960	23.94	23.87	-0.07
	66A	71A	[2A]	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	71	20	68761	634.5	[2]	20	900	1960	[66]	20	67036	2170	23.94	23.85	-0.09
	71A	[2A]	[66A]	66A	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	[66]	20	66786	2145	66	20	67036	2170	24.07	24.04	-0.03
2A-[66C]-71A	2A	[66C]	[66C]	71A	2	QPSK	20	18900	1880	1	0	2	20	900	1960	[66]	20	66536	2120	[66]	20	66734	2139.8	71	20	68761	634.5	24.18	24.09	-0.09
	[66C]	[66C]	71A	2A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	71	20	68761	634.5	2	20	900	1960	23.81	23.74	-0.07
	71A	2A	[66C]	[66C]	71	QPSK	20	133372	688	1	0	71	20	68836	642	2	20	900	1960	[66]	20	66536	2120	[66]	20	66734	2139.8	24.07	23.97	-0.10
[2A]-66C-71A	[2A]	66C	66C	71A	[2]	QPSK	20	18900	1880	1	0	[2]	20	900	1960	66	20	66536	2120	66	20	66734	2139.8	71	20	68761	634.5	24.18	24.10	-0.08
	66C	66C	71A	[2A]	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	71	20	68761	634.5	[2]	20	900	1960	23.81	23.72	-0.09
	71A	[2A]	66C	66C	71	QPSK	20	133372	688	1	0	71	20	68836	642	[2]	20	900	1960	66	20	66536	2120	66	20	66734	2139.8	24.07	23.98	-0.09
[4A]-4A-12B	[4A]	4A	12B	12B	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	12	1.4	5173	745.3	24.20	24.18	-0.02
	4A	12B	12B	[4A]	4	QPSK	20	20175	1732.5	1	49	4	20	2175	2132.5	12	10	5095	737.5	12	1.4	5173	745.3	[4]	10	2350	2150	24.20	24.10	-0.10
	12B	12B	[4A]	4A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[4]	20	2175	2132.5	4	10	2350	2150	24.15	24.11	-0.04
[4A]-[4A]-12B	[4A]	[4A]	12B	12B	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	[4]	10	2350	2150	12	10	5095	737.5	12	1.4	5173	745.3	24.20	24.15	-0.05
	12B	12B	[4A]	[4A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[4]	20	2175	2132.5	[4]	10	2350	2150	24.15	24.12	-0.03
[4A]-48D	[4A]	48D	48D	48D	[4]	QPSK	20	20175	1732.5	1	49	[4]	20	2175	2132.5	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	24.20	24.13	-0.07
5A-5A-[66A]-66A	5A	5A	[66A]	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	5	5	2625	891.5	[66]	20	66786	2145	66	20	67036	2170	24.21	24.20	-0.01
	[66A]	66A	5A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	5	10	2525	881.5	5	5	2625	891.5	23.94	23.88	-0.06
	66A	5A	5A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	5	10	2525	881.5	5	5	2625	891.5	[66]	20	67036	2170	23.94	23.93	-0.01
5A-5A-[66A]-[66A]	5A	5A	[66A]	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	5	5	2625	891.5	[66]	20	66786	2145	[66]	20	67036	2170	24.21	24.18	-0.03
	[66A]	[66A]	5A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	5	10	2525	881.5	5	5	2625	891.5	23.94	23.91	-0.03
5A-5A-[66B]	5A	5A	[66B]	[66B]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	5	5	2625	891.5	[66]	15	66786	2145	[66]	5	66693	2135.7	24.21	24.16	-0.05
	[66B]	[66B]	5A	5A	[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	5	10	2525	881.5	5	5	2625	891.5	23.83	23.79	-0.04
5A-5A-[66C]	5A	5A	[66C]	[66C]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	5	5	2625	891.5	[66]	20	66536	2120	[66]	20	66734	2139.8	24.21	24.11	-0.10
	[66C]	[66C]	5A	5A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	5	10	2525	881.5	5	5	2625	891.5	23.81	23.80	-0.01
5A-7A-7A-[66A]	5A	7A	7A	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3350	2680	7	20	3100	2655	[66]	20	66786	2145	24.21	24.12	-0.09
	7A	7A	[66A]	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[66]	20	66786	2145	5	10	2525	881.5	22.71	22.65	-0.06
	[66A]	5A	7A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	5	10	2525	881.5	7	20	3350	2680	7	20	3100	2655	23.94	23.91	-0.03
5A-7C-[66A]	5A	7C	7C	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3350	2680	7	20	3152	2660.2	[66]	20	66786	2145	24.21	24.14	-0.07
	7C	7C	[66A]	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[66]	20	66786	2145	5	10	2525	881.5	22.71	22.70	-0.01
	[66A]	5A	7C	7C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	5	10	2525	881.5	7	20	3350	2680	7	20	3152	2660.2	23.94	23.86	-0.08
5A-7A-66A-[66A]	5A	7A	66A	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2655	66	20	66786	2145	[66]	20	67036	2170	24.21	24.21	0.00
	7A	66A	[66A]	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	66	20	66786	2145	[66]	20	67036	2170	5	10	2525	881.5	22.71	22.66	-0.05
	66A	[66A]	5A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	5	10	2525	881.5	7	20	3100	2655	23.94	23.85	-0.09
	[66A]	5A	7A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	5	10	2525	881.5	7	20	3100	2655	66	20	67036	2170	23.94	23.88	-0.06
5A-7A-[66A]-[66A]	5A	7A	[66A]	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	7	20	3100	2655	[66]	20	66786	2145	[66]	20	67036	2170	24.21	24.12	-0.09
	7A	[66A]	[66A]	5A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[66]	20	66786	2145	[66]	20	67036	2170	5	10	2525	881.5	22.71	22.69	-0.02
	[66A]	[66A]	5A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	5	10	2525	881.5	7	20	3100	2655	23.94	23.85	-0.09
5A-30A-[66A]-66A	5A	30A	[66A]	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170	24.21	24.18	-0.03
	30A	[66A]	66A	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170	5	10	2525	881.5	21.67	21.65	-0.02
	[66A]	66A	5A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	5	10	2525	881.5	30	10	9820	2355	23.94	23.89	-0.05
	66A	5A	30A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	5	10	2525	881.5	30	10	9820	2355	[66]	20	67036	2170	23.94	23.92	-0.02
5A-30A-[66A]-[66A]	5A	30A	[66A]	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	30	10	9820	2355	[66]	20	66786	2145	[66]	20	67036	2170	24.21	24.20	-0.01
	30A	[66A]	[66A]	5A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	[66]	20	67036	2170	5	10	2525	881.5	21.67	21.62	-0.05
	[66A]	[66A]	5A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	5	10	2525	881.5	30	10	9820	2355	23.94	23.89	-0.05
5A-48C-[66A]	5A	48C	48C	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	48	20	56442	3670.2	[66]	20	66786	2145	24.21	24.11	-0.10
	[66A]	48C	48C	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	5	10	2525	881.5	23.94	23.91	-0.03
5A-[48C]-66A	5A	[48C]	[48C]	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	66786	2145	24.21	24.17	-0.04
	66A	[48C]	[48C]	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	[48]	20	56442	3670.2	5	10	2525	881.5	23.94	23.89	-0.05
5A-48A-66A-[66A]	5A	48A	66A	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	66	20	66786	2145	[66]	20	67036	2170	24.21	24.17	-0.04
	66A	48A	5A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	[66]	20	67036	2170	5	10	2525	881.5	23.94	23.88	-0.06
	[66A]	48A	5A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	5	10	2525	881.5	66	20	67036	2170	23.94	23.85	-0.09
	5A	48A	[66A]	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	[66]	20	66786	2145	66	20	67036	2170	24.21	24.16	-0.05
	[66A]	48A	66A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	66	20	67036	2170	5	10	2525	881.5	23.94	23.90	-0.04
	66A	48A	5A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	5	10	2525	881.5	[66]	20	67036	2170	23.94	23.94	0.00

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	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
5A-48A-[66A]-66A	5A	48A	66A	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	66	20	66786	2145	[66]	20	67036	2170	24.21	24.12	-0.09
	66A	48A	[66A]	5A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	[66]	20	67036	2170	5	10	2525	881.5	23.94	23.92	-0.02
	[66A]	48A	5A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	5	10	2525	881.5	66	20	67036	2170	23.94	23.86	-0.08
	5A	48A	[66A]	66A	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	[66]	20	66786	2145	66	20	67036	2170	24.21	24.20	-0.01
	[66A]	48A	66A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	66	20	67036	2170	5	10	2525	881.5	23.94	23.90	-0.04
	66A	48A	5A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	5	10	2525	881.5	[66]	20	67036	2170	23.94	23.87	-0.07
5A-48A-[66A]-[66A]	5A	48A	[66A]	[66A]	5	QPSK	10	20525	836.5	1	0	5	10	2525	881.5	48	20	56640	3690	[66]	20	66786	2145	[66]	20	67036	2170	24.21	24.11	-0.10
	[66A]	[66A]	48A	5A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	48	20	56640	3690	5	10	2525	881.5	23.94	23.88	-0.06
7A-7A-13A-[66A]	7A	7A	13A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	13	10	5230	751	[66]	20	66786	2145	22.71	22.65	-0.06
	13A	[66A]	7A	7A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	7	20	3350	2680	7	20	3100	2655	23.65	23.61	-0.04
	[66A]	7A	7A	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3350	2680	7	20	3100	2655	13	10	5230	751	23.94	23.92	-0.02
7C-13A-[66A]	7C	7C	13A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	13	10	5230	751	[66]	20	66786	2145	22.71	22.62	-0.09
	13A	[66A]	7C	7C	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	7	20	3350	2680	7	20	3152	2660.2	23.65	23.65	0.00
	[66A]	7C	7C	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3350	2680	7	20	3152	2660.2	13	10	5230	751	23.94	23.86	-0.08
7A-7A-25A-[25A]	7A	7A	25A	[25A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	25	20	8365	1962.5	[25]	20	8590	1985	22.71	22.68	-0.03
	25A	[25A]	7A	7A	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	7	20	3350	2680	7	20	3100	2655	24.21	24.15	-0.06
	[25A]	7A	7A	25A	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	7	20	3350	2680	7	20	3100	2655	25	20	8590	1985	24.21	24.13	-0.08
7A-7A-[25A]-[25A]	7A	7A	[25A]	[25A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[25]	20	8365	1962.5	[25]	20	8590	1985	22.71	22.62	-0.09
	[25A]	[25A]	7A	7A	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[25]	20	8590	1985	7	20	3350	2680	7	20	3100	2655	24.21	24.18	-0.03
7C-25A-[25A]	7C	7C	25A	[25A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	25	20	8365	1962.5	[25]	20	8590	1985	22.71	22.62	-0.09
	25A	[25A]	7C	7C	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	7	20	3350	2680	7	20	3152	2660.2	24.21	24.15	-0.06
	[25A]	7C	7C	25A	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	7	20	3350	2680	7	20	3152	2660.2	25	20	8590	1985	24.21	24.18	-0.03
7C-[25A]-[25A]	7C	7C	[25A]	[25A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[25]	20	8365	1962.5	[25]	20	8590	1985	22.71	22.62	-0.09
	[25A]	[25A]	7C	7C	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[25]	20	8590	1985	7	20	3350	2680	7	20	3152	2660.2	24.21	24.18	-0.03
7A-7A-25A-[66A]	7A	7A	25A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	25	20	8365	1962.5	[66]	20	66786	2145	22.71	22.64	-0.07
	25A	[66A]	7A	7A	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[66]	20	66786	2145	7	20	3350	2680	7	20	3100	2655	24.21	24.15	-0.06
	[66A]	7A	7A	25A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3350	2680	7	20	3100	2655	25	20	8365	1962.5	23.94	23.91	-0.03
7A-7A-[25A]-66A	7A	7A	[25A]	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[25]	20	8365	1962.5	66	20	66786	2145	22.71	22.70	-0.01
	[25A]	66A	7A	7A	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	66	20	66786	2145	7	20	3350	2680	7	20	3100	2655	24.21	24.21	0.00
	66A	7A	7A	[25A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3350	2680	7	20	3100	2655	[25]	20	8365	1962.5	23.94	23.90	-0.04
7A-7A-[25A]-[66A]	7A	7A	[25A]	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[25]	20	8365	1962.5	[66]	20	66786	2145	22.71	22.64	-0.07
	[25A]	[66A]	7A	7A	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[66]	20	66786	2145	7	20	3350	2680	7	20	3100	2655	24.21	24.15	-0.06
	[66A]	7A	7A	[25A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3350	2680	7	20	3100	2655	[25]	20	8365	1962.5	23.94	23.85	-0.09
7C-25A-[66A]	7C	7C	25A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	25	20	8365	1962.5	[66]	20	66786	2145	22.71	22.67	-0.04
	25A	[66A]	7C	7C	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[66]	20	66786	2145	7	20	3350	2680	7	20	3152	2660.2	24.21	24.18	-0.03
	[66A]	7C	7C	25A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3350	2680	7	20	3152	2660.2	25	20	8365	1962.5	23.94	23.90	-0.04
7C-[25A]-66A	7C	7C	[25A]	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[25]	20	8365	1962.5	66	20	66786	2145	22.71	22.68	-0.03
	[25A]	66A	7C	7C	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	66	20	66786	2145	7	20	3350	2680	7	20	3152	2660.2	24.21	24.14	-0.07
	66A	7C	7C	[25A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3350	2680	7	20	3152	2660.2	[25]	20	8365	1962.5	23.94	23.94	0.00
7C-[25A]-[66A]	7C	7C	[25A]	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[25]	20	8365	1962.5	[66]	20	66786	2145	22.71	22.65	-0.06
	[25A]	[66A]	7C	7C	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[66]	20	66786	2145	7	20	3350	2680	7	20	3152	2660.2	24.21	24.18	-0.03
	[66A]	7C	7C	[25A]	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3350	2680	7	20	3152	2660.2	[25]	20	8365	1962.5	23.94	23.92	-0.02
7A-7A-29A-[66A]	7A	7A	29A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	29	10	9715	722.5	[66]	20	66786	2145	22.71	22.70	-0.01
	[66A]	29A	7A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	7	20	3350	2680	7	20	3100	2655	23.94	23.93	-0.01
7C-29A-[66A]	7C	7C	29A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	29	10	9715	722.5	[66]	20	66786	2145	22.71	22.68	-0.03
	[66A]	29A	7C	7C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	7	20	3350	2680	7	20	3152	2660.2	23.94	23.86	-0.08
7A-7A-66A-[66A]	7A	7A	66A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	66	20	66786	2145	[66]	20	67036	2170	22.71	22.67	-0.04
	66A	[66A]	7A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	7	20	3350	2680	7	20	3100	2655	23.94	23.90	-0.04
	[66A]	7A	7A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3350	2680	7	20	3100	2655	66	20	67036	2170	23.94	23.88	-0.06
	7A	7A	[66A]	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[66]	20	66786	2145	66	20	67036	2170	22.71	22.65	-0.06
	[66A]	66A	7A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	7	20	3350	2680	7	20	3100	2655	23.94	23.85	-0.09
	66A	7A	7A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3350	2680	7	20	3100	2655	[66]	20	67036	2170	23.94	23.85	-0.09
7A-7A-[66A]-66A	7A	7A	66A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	66	20	66786	2145	[66]	20	67036	2170	22.71	22.64	-0.07
	66A	[66A]	7A	7A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	7	20	3350	2680	7	20	3100	2655	23.94	23.84	-0.10
	[66A]	7A	7A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3350	2680	7	20	3100	2655	66	20	67036	2170	23.94	23.93	-0.01
	7A	7A	[66A]	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[66]	20	66786	2145	66	20	67036	2170	22.71	22.67	-0.04
	[66A]	66A	7A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	7	20	3350	2680	7	20	3100	2655	23.94	23.85	-0.09
	66A	7A	7A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3350	2680	7	20	3100	2655	[66]	20	67036	2170	23.94	23.94	0.00
7A-7A-[66A]-[66A]	7A	7A	[66A]	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3100	2655	[66]	20	66786	2145	[66]	20	67036	2170	22.71	22.68	-0.03
	[66A]	[66A]	7A	7A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	7	20	3350	2680	7	20	3100	2655	23.94	23.91	-0.03
7C-[66A]-66A	7C	7C	[66A]	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[66]	20	66786	2145	66	20	67036	2170	22.71	22.64	-0.07
	[66A]	66A	7C	7C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	7	20	3350	2680	7	20	3152	2660.2	23.94	23.87	-0.07
	66A	7C	7C	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3350	2680	7	20	3152	2660.2	[66]	20	67036	2170	23.94	23.90	-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				UL							DL																LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
7C-[66A]-[66A]	7C	7C	[66A]	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	7	20	3152	2660.2	[66]	20	66786	2145	[66]	20	67036	2170	22.71	22.67	-0.04
	[66A]	[66A]	7C	7C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	7	20	3350	2680	7	20	3152	2660.2	23.94	23.89	-0.05
7A-12A-66A-[66A]	7A	12A	66A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	66	20	66786	2145	[66]	20	67036	2170	22.71	22.64	-0.07
	12A	66A	[66A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	66	20	66786	2145	[66]	20	67036	2170	7	20	3100	2655	24.15	24.12	-0.03
	66A	[66A]	7A	12A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	7	20	3100	2655	12	10	5095	737.5	23.94	23.91	-0.03
	[66A]	7A	12A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3100	2655	12	10	5095	737.5	66	20	67036	2170	23.94	23.92	-0.02
7A-12A-[66A]-[66A]	7A	12A	[66A]	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	[66]	20	66786	2145	[66]	20	67036	2170	22.71	22.68	-0.03
	12A	[66A]	[66A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	[66]	20	66786	2145	[66]	20	67036	2170	7	20	3100	2655	24.15	24.11	-0.04
	[66A]	[66A]	7A	12A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	7	20	3100	2655	12	10	5095	737.5	23.94	23.90	-0.04
7A-12B-[66A]	7A	12B	12B	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	66786	2145	22.71	22.64	-0.07
	12B	12B	[66A]	7A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	66786	2145	7	20	3100	2655	24.15	24.10	-0.05
	[66A]	7A	12B	12B	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3100	2655	12	10	5095	737.5	12	1.4	5173	745.3	23.94	23.91	-0.03
7A-25A-25A-[66A]	7A	25A	25A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	25	20	8365	1962.5	25	20	8590	1985	[66]	20	66786	2145	22.71	22.68	-0.03
	25A	25A	[66A]	7A	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	25	20	8590	1985	[66]	20	66786	2145	7	20	3100	2655	24.21	24.14	-0.07
	[66A]	7A	25A	25A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3100	2655	25	20	8365	1962.5	25	20	8590	1985	23.94	23.85	-0.09
7A-[25A]-25A-66A	7A	[25A]	25A	66A	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[25]	20	8365	1962.5	25	20	8590	1985	66	20	66786	2145	22.71	22.62	-0.09
	[25A]	25A	66A	7A	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	66	20	66786	2145	7	20	3100	2655	24.21	24.19	-0.02
	25A	66A	7A	[25A]	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	66	20	66786	2145	7	20	3100	2655	[25]	20	8590	1985	24.21	24.13	-0.08
	66A	7A	[25A]	25A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	7	20	3100	2655	[25]	20	8365	1962.5	25	20	8590	1985	23.94	23.85	-0.09
7A-[25A]-25A-[66A]	7A	[25A]	25A	[66A]	7	QPSK	20	21350	2560	1	0	7	20	3350	2680	[25]	20	8365	1962.5	25	20	8590	1985	[66]	20	66786	2145	22.71	22.69	-0.02
	[25A]	25A	[66A]	7A	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	[66]	20	66786	2145	7	20	3100	2655	24.21	24.15	-0.06
	25A	[66A]	7A	[25A]	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[66]	20	66786	2145	7	20	3100	2655	[25]	20	8590	1985	24.21	24.18	-0.03
	[66A]	7A	[25A]	25A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	7	20	3100	2655	[25]	20	8365	1962.5	25	20	8590	1985	23.94	23.89	-0.05
12B-66A-[66A]	12B	12B	66A	[66A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	66	20	66786	2145	[66]	20	67036	2170	24.15	24.08	-0.07
	66A	[66A]	12B	12B	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	12	10	5095	737.5	12	1.4	5173	745.3	23.94	23.85	-0.09
	[66A]	12B	12B	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	12	10	5095	737.5	12	1.4	5173	745.3	66	20	67036	2170	23.94	23.89	-0.05
	12B	12B	[66A]	66A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	66786	2145	66	20	67036	2170	24.15	24.13	-0.02
	[66A]	66A	12B	12B	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	12	10	5095	737.5	12	1.4	5173	745.3	23.94	23.93	-0.01
	66A	12B	12B	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	67036	2170	23.94	23.89	-0.05
12B-[66A]-66A	12B	12B	66A	[66A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	66	20	66786	2145	[66]	20	67036	2170	24.15	24.15	0.00
	66A	[66A]	12B	12B	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	20	67036	2170	12	10	5095	737.5	12	1.4	5173	745.3	23.94	23.93	-0.01
	[66A]	12B	12B	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	12	10	5095	737.5	12	1.4	5173	745.3	66	20	67036	2170	23.94	23.93	-0.01
	12B	12B	[66A]	66A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	66786	2145	66	20	67036	2170	24.15	24.09	-0.06
	[66A]	66A	12B	12B	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	12	10	5095	737.5	12	1.4	5173	745.3	23.94	23.86	-0.08
	66A	12B	12B	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	67036	2170	23.94	23.89	-0.05
12B-[66A]-[66A]	12B	12B	[66A]	[66A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	12	1.4	5173	745.3	[66]	20	66786	2145	[66]	20	67036	2170	24.15	24.12	-0.03
	[66A]	[66A]	12B	12B	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	12	10	5095	737.5	12	1.4	5173	745.3	23.94	23.92	-0.02
12A-30A-[66A]-66A	12A	30A	[66A]	66A	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170	24.15	24.08	-0.07
	30A	[66A]	66A	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170	12	10	5095	737.5	21.67	21.66	-0.01
	[66A]	66A	12A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	12	10	5095	737.5	30	10	9820	2355	23.94	23.92	-0.02
	66A	12A	30A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	12	10	5095	737.5	30	10	9820	2355	[66]	20	67036	2170	23.94	23.89	-0.05
12A-30A-[66A]-[66A]	12A	30A	[66A]	[66A]	12	QPSK	10	23095	707.5	1	0	12	10	5095	737.5	30	10	9820	2355	[66]	20	66786	2145	[66]	20	67036	2170	24.15	24.08	-0.07
	30A	[66A]	[66A]	12A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	[66]	20	67036	2170	12	10	5095	737.5	21.67	21.61	-0.06
	[66A]	[66A]	12A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	12	10	5095	737.5	30	10	9820	2355	23.94	23.93	-0.01
13A-48C-[66A]	13A	48C	48C	[66A]	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	48	20	56442	3670.2	[66]	20	66786	2145	23.65	23.60	-0.05
	[66A]	48C	48C	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	13	10	5230	751	23.94	23.93	-0.01
13A-[48C]-66A	13A	[48C]	[48C]	66A	13	QPSK	10	23230	782	1	0	13	10	5230	751	[48]	20	56640	3690	[48]	20	56442	3670.2	66	20	66786	2145	23.65	23.58	-0.07
	66A	[48C]	[48C]	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	[48]	20	56442	3670.2	13	10	5230	751	23.94	23.87	-0.07
13A-48A-[66B]	13A	48A	[66B]	[66B]	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	[66]	15	66786	2145	[66]	5	66693	2135.7	23.65	23.59	-0.06
	[66B]	[66B]	48A	13A	[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	48	20	56640	3690	13	10	5230	751	23.83	23.79	-0.04
13A-[48A]-66B	13A	[48A]	66B	66B	13	QPSK	10	23230	782	1	0	13	10	5230	751	[48]	20	56640	3690	66	15	66786	2145	66	5	66693	2135.7	23.65	23.55	-0.10
	66B	66B	[48A]	13A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[48]	20	56640	3690	13	10	5230	751	23.83	23.75	-0.08
13A-48A-[66C]	13A	48A	[66C]	[66C]	13	QPSK	10	23230	782	1	0	13	10	5230	751	48	20	56640	3690	[66]	20	66536	2120	[66]	20	66734	2139.8	23.65	23.56	-0.09
	[66C]	[66C]	48A	13A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	48	20	56640	3690	13	10	5230	751	23.81	23.79	-0.02
13A-[48A]-66C	13A	[48A]	66C	66C	13	QPSK	10	23230	782	1	0	13	10	5230	751	[48]	20	56640	3690	66	20	66536	2120	66	20	66734	2139.8	23.65	23.60	-0.05
	66C	66C	[48A]	13A	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	[48]	20	56640	3690	13	10	5230	751	23.81	23.75	-0.06
13A-[66A]-66B	13A	[66A]	66B	66B	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	66	15	66786	2145	66	5	66693	2135.7	23.65	23.58	-0.07
	[66A]	66B	66B	13A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	15	67061	2172.5	66	5	66968	2163.2	13	10	5230	751	23.94	23.86	-0.08
	66B	66B	13A	[66A]	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	13	10	5230	751	[66]	20	67036	2170	23.83	23.82	-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 configuration (BCS)	Bands				UL							DL																				LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3										
	1st	2nd	3rd	4th	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)							
13A-66A-[66B]	13A	66A	[66B]	[66B]	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	[66]	15	66786	2145	[66]	5	66693	2135.7							23.65	23.59	-0.06
	66A	[66B]	[66B]	13A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[66]	15	67061	2172.5	[66]	5	66968	2163.2	13	10	5230	751							23.94	23.85	-0.09
	[66B]	[66B]	13A	66A	[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	13	10	5230	751	66	20	67036	2170							23.83	23.76	-0.07
13A-[66A]-66C	13A	[66A]	66C	66C	13	QPSK	10	23230	782	1	0	13	10	5230	751	[66]	20	66786	2145	66	20	66536	2120	66	20	66734	2139.8							23.65	23.64	-0.01
	[66A]	66C	66C	13A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	66	20	67036	2170	66	20	66838	2150.2	13	10	5230	751							23.81	23.80	-0.01
	66C	66C	13A	[66A]	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	13	10	5230	751	[66]	20	66786	2145							23.81	23.75	-0.06
13A-66A-[66C]	13A	66A	[66C]	[66C]	13	QPSK	10	23230	782	1	0	13	10	5230	751	66	20	66786	2145	[66]	20	66536	2120	[66]	20	66734	2139.8							23.65	23.61	-0.04
	66A	[66C]	[66C]	13A	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	[66]	20	67036	2170	[66]	20	66838	2150.2	13	10	5230	751							23.81	23.74	-0.07
	[66C]	[66C]	13A	66A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	13	10	5230	751	66	20	66786	2145							23.81	23.80	-0.01
14A-30A-[66A]-66A	14A	30A	[66A]	66A	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170							23.67	23.60	-0.07
	30A	[66A]	66A	14A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	66	20	67036	2170	14	10	5330	763							21.67	21.67	0.00
	[66A]	66A	14A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	66	20	67036	2170	14	10	5330	763	30	10	9820	2355							23.94	23.86	-0.08
	66A	14A	30A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	14	10	5330	763	30	10	9820	2355	[66]	20	67036	2170							23.94	23.93	-0.01
14A-30A-[66A]-[66A]	14A	30A	[66A]	[66A]	14	QPSK	10	23330	793	1	0	14	10	5330	763	30	10	9820	2355	[66]	20	66786	2145	[66]	20	67036	2170							23.67	23.58	-0.09
	30A	[66A]	[66A]	14A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	[66]	20	66786	2145	[66]	20	67036	2170	14	10	5330	763							21.67	21.58	-0.09
	[66A]	[66A]	14A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	14	10	5330	763	30	10	9820	2355							23.94	23.90	-0.04
25A-25A-[41C]	25A	25A	[41C]	[41C]	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	25	20	8590	1985	[41]	20	40620	2593	[41]	20	40422	2573.2							24.21	24.19	-0.02
25A-[25A]-41C	25A	[25A]	41C	41C	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	41	20	40620	2593	41	20	40422	2573.2							24.21	24.17	-0.04
	[25A]	41C	41C	25A	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	41	20	40620	2593	41	20	40422	2573.2	25	20	8590	1985							24.21	24.14	-0.07
	[25A]	25A	41C	41C	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	41	20	40620	2593	41	20	40422	2573.2							24.21	24.19	-0.02
	25A	41C	41C	[25A]	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	41	20	40620	2593	41	20	40422	2573.2	[25]	20	8590	1985							24.21	24.14	-0.07
[25A]-25A-41C	25A	[25A]	41C	41C	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	[25]	20	8590	1985	41	20	40620	2593	41	20	40422	2573.2							24.21	24.17	-0.04
	[25A]	41C	41C	25A	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	41	20	40620	2593	41	20	40422	2573.2	25	20	8590	1985							24.21	24.11	-0.10
	[25A]	25A	41C	41C	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	25	20	8590	1985	41	20	40620	2593	41	20	40422	2573.2							24.21	24.16	-0.05
	25A	41C	41C	[25A]	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	41	20	40620	2593	41	20	40422	2573.2	[25]	20	8590	1985							24.21	24.20	-0.01
[25A]-[25A]-41C	[25A]	[25A]	41C	41C	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	[25]	20	8590	1985	41	20	40620	2593	41	20	40422	2573.2							24.21	24.19	-0.02
25A-26A-[41C]	25A	26A	[41C]	[41C]	25	QPSK	20	26365	1882.5	1	99	25	20	8365	1962.5	26	15	8865	876.5	[41]	20	40620	2593	[41]	20	40422	2573.2							24.21	24.13	-0.08
	26A	[41C]	[41C]	25A	26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	[41]	20	40620	2593	[41]	20	40422	2573.2	25	20	8365	1962.5							24.32	24.25	-0.07
[25A]-26A-41C	[25A]	26A	41C	41C	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	26	15	8865	876.5	41	20	40620	2593	41	20	40422	2573.2							24.21	24.16	-0.05
	26A	41C	41C	[25A]	26	QPSK	15	26865	831.5	1	0	26	15	8865	876.5	41	20	40620	2593	41	20	40422	2573.2	[25]	20	8365	1962.5							24.32	24.32	0.00
[25A]-41D	[25A]	41D	41D	41D	[25]	QPSK	20	26365	1882.5	1	99	[25]	20	8365	1962.5	41	20	40620	2593	41	20	40422	2573.2	41	20	40224	2553.4							24.21	24.15	-0.06
29A-30A-[66A]-66A	30A	29A	[66A]	66A	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	[66]	20	66786	2145	66	20	67036	2170							21.67	21.61	-0.06
	[66A]	29A	66A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	29	10	9715	722.5	66	20	67036	2170	30	10	9820	2355							23.94	23.85	-0.09
	66A	29A	30A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	29	10	9715	722.5	30	10	9820	2355	[66]	20	67036	2170							23.94	23.93	-0.01
29A-30A-[66A]-[66A]	30A	29A	[66A]	[66A]	30	QPSK	10	27710	2310	1	49	30	10	9820	2355	29	10	9715	722.5	[66]	20	66786	2145	[66]	20	67036	2170							21.67	21.59	-0.08
	[66A]	[66A]	29A	30A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	29	10	9715	722.5	30	10	9820	2355							23.94	23.90	-0.04
[41A]-41D	[41A]	41D	41D	41D	[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	41	20	41490	2680	41	20	41292	2660.2	41	20	41094	2640.4							23.21	23.19	0.02
	41D	41D	41D	[41A]	41	QPSK	20	40620	2593	1	99	41	20	40620	2593	41	20	40422	2573.2	41	20	40224	2553.4	[41]	20	41490	2680							23.21	23.17	0.04
41C-[41C]	41C	41C	[41C]	[41C]	41	QPSK	20	40620	2593	1	99	41	20	40620	2593	41	20	40422	2573.2	[41]	20	41490	2680	[41]	20	41292	2660.2							23.21	23.12	0.09
	[41C]	[41C]	41C	41C	[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	[41]	20	40422	2573.2	41	20	41490	2680	41	20	41292	2660.2							23.21	23.18	0.03
	[41C]	[41C]	41C	41C	[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	[41]	20	40422	2573.2	41	20	41490	2680	41	20	41292	2660.2							23.21	23.12	0.09
	41C	41C	[41C]	[41C]	41	QPSK	20	40620	2593	1	99	41	20	40620	2593	41	20	40422	2573.2	[41]	20	41490	2680	[41]	20	41292	2660.2							23.21	23.19	0.02
[41C]-41C	41C	41C	[41C]	[41C]	41	QPSK	20	40620	2593	1	99	41	20	40620	2593	41	20	40422	2573.2	[41]	20	41490	2680	[41]	20	41292	2660.2							23.21	23.16	0.05
	[41C]	[41C]	41C	41C	[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	[41]	20	40422	2573.2	41	20	41490	2680	41	20	41292	2660.2							23.21	23.12	0.09
	[41C]	[41C]	41C	41C	[41]	QPSK	20	40620	2593	1	99	[41]	20	40620	2593	[41]	20	40422	2573.2	41	20	41490	2680	41	20	41292	2660.2							23.21	23.12	0.09
	41C	41C	[41C]	[41C]	41	QPSK	20	40620	2593	1	99	41	20	40620	2593	41	20	40422	2573.2	[41]	20	41490	2680	[41]	20	41292	2660.2							23.21	23.20	0.01
[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							21.09	21.08	-0.01
	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							21.09	21.06	-0.03
[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							21.09	21.04	-0.05
	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							21.09	21.06	-0.03
[48A]-48C-66A	66A	[48A]	48C	48C	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8							23.94	23.91	-0.03
48A-[48C]-66A	66A	48A	[48C]	[48C]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56442	3670.2	[48]	20	55340	3560	[48]	20	55538	3579.8							23.94	23.92	-0.02
48A-48C-[66A]	[66A]	48A	48C	48C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8							23.94	23.93	-0.01
[48A]-48C-[66A]	[66A]	[48A]	48C	48C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[48]	20	56442	3670.2	48	20	55340	3560	48	20	55538	3579.8							23.94	23.93	-0.01
[48A]-48A-66A-66A	66A	66A	[48A]	48A	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[48]	20	56640	3690	48	20	55340	3560							23.94	23.90	-0.04
48A-48A-[66A]-66A	[66A]	48A	48A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	55340	3560	66	20	67036	2170							23.94	23.85	-0.09
	66A	48A	48A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	55340	3560	[66]	20	67036	2170							23.94	23.91	-0.03
[48A]-[48A]-66A-66A	66A	66A	[48A]	[48A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[48]	20	56640	3690	[48]	20	55340	3560							23.94	23.89	-0.05
[48A]-48A-[66A]-66A	[66A]	[48A]	48A	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[48]	20	56640	3690	48	20	55340	3560	66	20	67036	2170							23.94	23.88	-0.06
	66A	[48A]	48A	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	[48]	20	56640	3690	48	20	55340	3560	[66]	20	67036	2170							23.94	23.92	-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 configutation (BCS)	Bands				UL							DL																LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	PCC							PCC				SCC1				SCC2				SCC3						
	1st	2nd	3rd	4th	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)			
48A-48A-[66A]-[66A]	[66A]	[66A]	48A	48A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	48	20	56640	3690	48	20	55340	3560	23.94	23.92	-0.02
[48A]-48A-66B	66B	66B	[48A]	48A	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[48]	20	56640	3690	48	20	55340	3560	23.83	23.78	-0.05
48A-48A-[66B]	[66B]	[66B]	48A	48A	[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	48	20	56640	3690	48	20	55340	3560	23.83	23.79	-0.04
[48A]-[48A]-66B	66B	66B	[48A]	[48A]	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[48]	20	56640	3690	[48]	20	55340	3560	23.83	23.77	-0.06
[48A]-48A-66C	66C	66C	[48A]	48A	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	[48]	20	56640	3690	48	20	55340	3560	23.81	23.74	-0.07
48A-48A-[66C]	[66C]	[66C]	48A	48A	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	48	20	56640	3690	48	20	55340	3560	23.81	23.74	-0.07
[48A]-[48A]-66C	66C	66C	[48A]	[48A]	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	[48]	20	56640	3690	[48]	20	55340	3560	23.81	23.79	-0.02
[48C]-66A-66A	66A	66A	[48C]	[48C]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	66	20	67036	2170	[48]	20	56640	3690	[48]	20	56442	3670.2	23.94	23.87	-0.07
48C-[66A]-66A	[66A]	48C	48C	66A	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	66	20	67036	2170	23.94	23.88	-0.06
	66A	48C	48C	[66A]	66	QPSK	20	132322	1745	1	49	66	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	[66]	20	67036	2170	23.94	23.88	-0.06
48C-[66A]-[66A]	[66A]	[66A]	48C	48C	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	[66]	20	67036	2170	48	20	56640	3690	48	20	56442	3670.2	23.94	23.92	-0.02
[48C]-66B	66B	66B	[48C]	[48C]	66	QPSK	15	132322	1745	1	0	66	15	66786	2145	66	5	66693	2135.7	[48]	20	56640	3690	[48]	20	56442	3670.2	23.83	23.74	-0.09
48C-[66B]	[66B]	[66B]	48C	48C	[66]	QPSK	15	132322	1745	1	0	[66]	15	66786	2145	[66]	5	66693	2135.7	48	20	56640	3690	48	20	56442	3670.2	23.83	23.81	-0.02
[48C]-66C	66C	66C	[48C]	[48C]	66	QPSK	20	132072	1720	1	99	66	20	66536	2120	66	20	66734	2139.8	[48]	20	56640	3690	[48]	20	56442	3670.2	23.81	23.81	0.00
48C-[66C]	[66C]	[66C]	48C	48C	[66]	QPSK	20	132072	1720	1	99	[66]	20	66536	2120	[66]	20	66734	2139.8	48	20	56640	3690	48	20	56442	3670.2	23.81	23.78	-0.03
48D-[66A]	[66A]	48D	48D	48D	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	23.94	23.90	-0.04
	[66A]	48D	48D	48D	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	23.94	23.88	-0.06
	[66A]	48D	48D	48D	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	23.94	23.84	-0.10
	[66A]	48D	48D	48D	[66]	QPSK	20	132322	1745	1	49	[66]	20	66786	2145	48	20	56640	3690	48	20	56442	3670.2	48	20	56244	3650.4	23.94	23.85	-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.

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