LTE Downlink Carrier Aggregation Inter-band

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-12A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
	(1)	Band 2			Yes	Yes	Yes	Yes	30
		Band 12		Yes	Yes	Yes			
	(2)	Band 2			Yes	Yes			20
		Band 12			Yes	Yes			
2A-13A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 13				Yes			
	(1)	Band 2			Yes	Yes			20
		Band 13				Yes			
2A-14A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 14			Yes	Yes			
2A-29A	(0)	Band 2			Yes	Yes			20
		Band 29		Yes	Yes	Yes			
	(1)	Band 2			Yes	Yes			20
		Band 29			Yes	Yes			
	(2)	Band 2			Yes	Yes	Yes	Yes	30
		Band 29			Yes	Yes			
2A-46A	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 46						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	
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-46A	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 46						Yes	
5A-46A	(0)	Band 5			Yes	Yes			30
		Band 46						Yes	
	(1)	Band 5		Yes	Yes	Yes			30
		Band 46				Yes		Yes	
5A-66A	(0)	Band 5			Yes	Yes			30
		Band 66			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-46A	(0)	Band 13			Yes	Yes			30
		Band 46						Yes	
13A-66A	(0)	Band 13			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
14A-66A	(0)	Band 14			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
66A-29A	(0)	Band 29			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
66A-46A	(0)	Band 46						Yes	40
		Band 66			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-12A	(0)	Band 2	2A-2A BCS 0						50
		Band 12			Yes	Yes			
2A-2A-13A	(0)	Band 2	2A-2A BCS 0						50
		Band 13				Yes			
	(1)	Band 2	2A-2A BCS 0						50
		Band 13			Yes	Yes			
2A-2A-14A	(0)	Band 2	2A2A BCS 0						50
		Band 14			Yes	Yes			
2A-2A-29A	(0)	Band 2	2A-2A BCS 0						50
		Band 29			Yes	Yes			
2A-2A-46A	(0)	Band 2	2A-2A BCS 0						60
		Band 46						Yes	
2A-2A-66A	(0)	Band 2	2A-2A BCS 0						60
		Band 66			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-13A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 4			Yes	Yes	Yes	Yes	
		Band 13				Yes			
2A-5A-46A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 5			Yes	Yes			
		Band 46						Yes	
2A-5A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 5			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-5B	(0)	Band 2			Yes	Yes	Yes	Yes	40
		Band 5	5B BCS 0						
2A-12A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 12			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
	(1)	Band 2			Yes	Yes			40
		Band 12			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-13A-46A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 13			Yes	Yes			
		Band 46						Yes	
2A-13A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 13			Yes	Yes			
		Band 66			Yes	Yes	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-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 29			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-46A-46A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 46	46A-46A BCS 0						
2A-46A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 46						Yes	
		Band 66			Yes	Yes	Yes	Yes	
2A-46C	(0)	2			Yes	Yes	Yes	Yes	60
		46	46C BCS 0						
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						
2A-66C	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 66	66C BCS 0						

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	
4A-4A-5A	(0)	Band 4	4A-4A BCS 0						50
		Band 5			Yes	Yes			
4A-4A-13A	(0)	Band 4	4A-4A BCS 0						50
		Band 13				Yes			
4A-5B	(0)	Band 4			Yes	Yes	Yes	Yes	40
		Band 5	5B BCS 0						
4A-46A-46A	(0)	Band 4			Yes	Yes	Yes	Yes	60
		Band 46	46A-46A BCS 0						
4A-46C	(0)	4			Yes	Yes	Yes	Yes	60
		46	46C BCS 0						
5A-5A-66A	(0)	Band 5	5A-5A BCS 0						40
		Band 66			Yes	Yes	Yes	Yes	
5A-46A-66A	(0)	Band 5			Yes	Yes			50
		Band 46						Yes	
		Band 66			Yes	Yes	Yes	Yes	
5A-46C	(0)	5			Yes	Yes			50
		46	46C BCS 0						
	(1)	5			Yes	Yes			50
		46	46C BCS 1						
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						
5B-46A	(0)	Band 5	5B BCS 0						40
		Band 46						Yes	
5B-66A	(0)	Band 5	5B BCS 0						40
		Band 66			Yes	Yes	Yes	Yes	
12A-66A-66A	(0)	Band 12			Yes	Yes			50
		Band 66	66A-66A BCS 0						
13A-46A-66A	(0)	Band 13			Yes	Yes			50
		Band 46	46A-46A BCS 0						
13A-46C	(0)	Band 13			Yes	Yes			50
		Band 46	46C BCS 0						
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-66A-66A	(0)	Band 14			Yes	Yes			50
		Band 66	66A-66A BCS 0						
66A-46A-46A	(0)	Band 46	46A-46A BCS 0						60
		Band 66			Yes	Yes	Yes	Yes	
66A-46C	(0)	Band 46	46C BCS 0						60
		Band 66			Yes	Yes	Yes	Yes	
66A-66A-46A	(0)	Band 46						Yes	60
		Band 66	66A-66A BCS 0						

LTE Downlink Carrier Aggregation Inter-band (Continued)

3. DL Inter Band(4CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth 1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	Max Aggregated BW
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-5A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 5			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-5B	(0)	Band 2	2A-2A BCS 0						60
		Band 5	5B BCS 0						
2A-2A-12A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 12			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-13A-66A	(0)	Band 2	2A-2A BCS 0						70
		Band 13			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-14A-66A	(0)	Band 2	2A2A BCS 0						70
		Band 14			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-46C	(0)	Band 2	2A-2A BCS 0						80
		Band 46	46C BCS 0						
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						
2A-4A-4A-5A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 4	4A-4A BCS 0						
		Band 5			Yes	Yes			
2A-4A-5B	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 4			Yes	Yes	Yes	Yes	
		Band 5	5B BCS 0						
2A-5A-5A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 5	5A-5A BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-5A-46C	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 5			Yes	Yes			
		Band 46	46C BCS 0						
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-5B-66A	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 5	5B BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-12A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 12			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-13A-46C	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 13			Yes	Yes			
		Band 46	46C BCS 0						
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-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 14			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-46A-46C	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 46	46A-46C BCS 0						
2A-46C-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 46	46C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-46D	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 46	46D BCS 0						
4A-4A-5B	(0)	Band 4	4A-4A BCS 0						60
		Band 5	5B BCS 0						
4A-46A-46C	(0)	Band 4			Yes	Yes	Yes	Yes	80
		Band 46	46A-46C BCS 0						
4A-46D	(0)	Band 4			Yes	Yes	Yes	Yes	80
		Band 46	46D BCS 0						

3. DL Inter Band(4CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth 1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	Max Aggregated BW
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-46C-66A	(0)	Band 5			Yes	Yes			70
		Band 46	46C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
5A-46D	(0)	Band 5			Yes	Yes			70
		Band 46	46D BCS 0						
	(1)	Band 5			Yes	Yes			70
		Band 46	46D BCS 1						
5B-46C	(0)	Band 5	5B BCS 0						60
		Band 46	46C BCS 0						
5B-66A-66A	(0)	Band 5	5B BCS 0						60
		Band 66	66A-66A BCS 0						
5B-66B	(0)	Band 5	5B BCS 0						40
		Band 66	66B BCS 0						
5B-66C	(0)	Band 5	5B BCS 0						60
		Band 66	66C BCS 0						
13A-46C-66A	(0)	Band 13			Yes	Yes			70
		Band 46	46C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
13A-46D	(0)	Band 13			Yes	Yes			70
		Band 46	46D BCS 0						
66A-46A-46C	(0)	Band 46	46A-46C BCS 0						80
		Band 66			Yes	Yes	Yes	Yes	
66A-46D	(0)	Band 46	46D BCS 0						80
		Band 66			Yes	Yes	Yes	Yes	
66A-66A-46C	(0)	Band 46	46C BCS 0						80
		Band 66	66A-66A BCS 0						

4. DL Inter Band(5CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth 1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	Max Aggregated BW
2A-2A-5A-66A-66A	(0)	Band 2	2A-2A BCS 0						90
		Band 5			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-2A-5A-66B	(0)	Band 2	2A-2A BCS 0						70
		Band 5			Yes	Yes			
		Band 66	66B BCS 0						
2A-2A-5A-66C	(0)	Band 2	2A-2A BCS 0						90
		Band 5			Yes	Yes			
		Band 66	66C BCS 0						
2A-2A-5B-66A	(0)	Band 2	2A-2A BCS 0						80
		Band 5	5B BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-2A-12A-66A-66A	(0)	Band 2	2A-2A BCS 0						90
		Band 12			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-2A-13A-66A-66A	(0)	Band 2	2A-2A BCS 0						90
		Band 13			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-2A-13A-66B	(0)	Band 2	2A-2A BCS 0						70
		Band 13			Yes	Yes			
		Band 66	66B BCS 0						
2A-2A-14A-66A-66A	(0)	Band 2	2A2A BCS 0						90
		Band 14			Yes	Yes			
		Band 66	66A-66A BCS 0						
2A-2A-46D	(0)	Band 2	2A-2A BCS 0						100
		Band 46	46D BCS 0						
2A-5A-5A-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 5	5A-5A BCS 0						
		Band 66	66A-66A BCS 0						
2A-5A-46D	(0)	Band 2			Yes	Yes	Yes	Yes	90
		Band 5			Yes	Yes			
		Band 46	46D BCS 0						
2A-5B-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 5	5B BCS 0						
		Band 66	66A-66A BCS 0						
2A-5B-66B	(0)	Band 2			Yes	Yes	Yes	Yes	60
		Band 5	5B BCS 0						
		Band 66	66B BCS 0						
2A-5B-66C	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 5	5B BCS 0						
		Band 66	66C BCS 0						
2A-13A-46D	(0)	Band 2			Yes	Yes	Yes	Yes	90
		Band 13			Yes	Yes			
		Band 46	46D BCS 0						
2A-13A-66A-66B	(0)	Band 2			Yes	Yes	Yes	Yes	70
		Band 13			Yes	Yes			
		Band 66	66A-66B BCS 0						
2A-46A-46D	(0)	Band 2			Yes	Yes	Yes	Yes	100
		Band 46	46A-46D BCS 0						
2A-46C-46C	(0)	Band 2			Yes	Yes	Yes	Yes	100
		Band 46	46C-46C BCS 0						
2A-46D-66A	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 46	46D BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-46E	(0)	Band 2			Yes	Yes	Yes	Yes	80
		Band 46	46E BCS 0						
4A-46A-46D	(0)	Band 4			Yes	Yes	Yes	Yes	100
		Band 46	46A-46D BCS 0						
5A-46D-66A	(0)	Band 5			Yes	Yes			70
		Band 46	46C BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
5A-46E	(0)	Band 5			Yes	Yes			90
		Band 46	46E BCS 0						
	(1)	Band 5			Yes	Yes			90
		Band 46	46E BCS 0						
5B-46D	(0)	Band 5	5B BCS 0						80
		Band 46	46D BCS 0						
13A-46D-66A	(0)	Band 13			Yes	Yes			90
		Band 46	46D BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
13A-46E	(0)	Band 13			Yes	Yes			90
		Band 46	46E BCS 0						
66A-46A-46D	(0)	Band 66			Yes	Yes	Yes	Yes	100
		Band 46	46A-46D BCS 0						
66A-46C-46C	(0)	Band 66			Yes	Yes	Yes	Yes	100
		Band 46	46C-46C BCS 0						
66A-46E	(0)	Band 66			Yes	Yes	Yes	Yes	100
		Band 46	46E BCS 0						
66A-66A-46D	(0)	Band 66	66A-66A BCS 0						100
		Band 46	46E BCS 0						

LTE Downlink Carrier Aggregation Inter-band (Continued)

5. DL Inter Band(6CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-5A-46D-66A	(0)	Band 2			Yes	Yes	Yes	Yes	110
		Band 5			Yes	Yes			
		Band 46	46D BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-5A-46E	(0)	Band 2			Yes	Yes	Yes	Yes	110
		Band 5			Yes	Yes			
		Band 46	46E BCS 0						
2A-13A-46D-66A	(0)	Band 2			Yes	Yes	Yes	Yes	110
		Band 13			Yes	Yes			
		Band 46	46D BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-13A-46E	(0)	Band 2			Yes	Yes	Yes	Yes	110
		Band 13			Yes	Yes			
		Band 46	46E BCS 0						
2A-13A-46D-66A	(0)	Band 2			Yes	Yes	Yes	Yes	110
		Band 13			Yes	Yes			
		Band 46	46D BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-46E-66A	(0)	Band 2			Yes	Yes	Yes	Yes	120
		Band 46	46E BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
5A-46D-66A-66A	(0)	Band 2			Yes	Yes			110
		Band 46	46D BCS 0						
		Band 66	66A-66A BCS 0						
5A-46E-66A	(0)	Band 5			Yes	Yes			110
		Band 46	46E BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
13A-46D-66A-66A	(0)	Band 13			Yes	Yes			110
		Band 46	46D BCS 0						
		Band 66	66A-66A BCS 0						
13A-46E-66A	(0)	Band 13			Yes	Yes			110
		Band 46	46E BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
66A-66A-46E	(0)	Band 66	66A-66A BCS 0						120
		Band 46	46E BCS 0						

6. DL Inter Band(7CC)

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-46D-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	130
		Band 5			Yes	Yes			
		Band 46	46D BCS 0						
		Band 66	66A-66A BCS 0						
2A-5A-46E-66A	(0)	Band 2			Yes	Yes	Yes	Yes	130
		Band 5			Yes	Yes			
		Band 46	46E BCS 0						
		Band 66			Yes	Yes	Yes	Yes	
2A-13A-46D-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	130
		Band 13			Yes	Yes			
		Band 46	46D BCS 0						
		Band 66	66A-66A BCS 0						
2A-46E-66A-66A	(0)	Band 2			Yes	Yes	Yes	Yes	140
		Band 46	46E BCS 0						
		Band 66	66A-66A BCS 0						
5A-46E-66A-66A	(0)	Band 5			Yes	Yes			130
		Band 46	46E BCS 0						
		Band 66	66A-66A BCS 0						

LTE Downlink Carrier Aggregation Intra-band non-contiguous

7. 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
66A-66A	(0)	Band 66	5, 10, 15, 20	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		

LTE Uplink / Downlink Carrier Aggregation Intra-band contiguous

8. 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	
5B	(0)	Band 5	5, 10	10			20
			10	5			
	(1)	Band 5	3	5			8
			5	3			
66B	(0)	Band 66	5	5, 10, 15			20
			10	5, 10			
			15	5			
66C	(0)	Band 66	5	20			40
			10	15, 20			
			15	10, 15, 20			
			20	5, 10, 15, 20			

Note(s):

LTE CA_5B, CA_66B and CA_66C are supported in both Uplink and Downlink.

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.

LTE Uplink 2CA for SAR testing

E-UTRA CA configurations	RF exposure conditions	Bands		UL																	LTE Rel.8 Tune-up Limit (dBm)
		PCC	SCC	PCC						SCC						MPR	PCC + SCC				
		1st	2nd	Mod	RB	Offset	BW	Freq	Ch	Mod	RB	Offset	BW	Freq	Ch		Aggregated BW	Tune-up Limit (dBm)	CA power (total PCC+SCC) (dBm)	3GPP Rel.#	
CA_5B (0)(1)	Standalone	5B	5B	QPSK	25	25	10	836.5	20525	QPSK	12	0	5	843.7	20597	1	15	21.5	20.5	15	21.5
CA_66B (0)	Standalone	66B	66B	QPSK	1	49	10	1715	132022	QPSK	1	0	10	1724.9	132121	0	20	24.5	24.2	15	24.5
CA_66C (0)	Standalone	66C	66C	QPSK	1	99	20	1720	132072	QPSK	1	0	20	1739.8	132270	0	40	24.5	24.5	15	24.5

Note:

Standalone output power values are referenced from Sec.9.2 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 (6) downlinks.

LTE Release 10 Carrier Aggregation

Index	2CC	Restriction	Completely Covered by Measurement Superset
2CC#1	2A-2A		5CC#1
2CC#2	2A-4A		4CC#1
2CC#3	2A-5A		7CC#1
2CC#4	2A-12A		5CC#5
2CC#5	2A-13A		7CC#3
2CC#6	2A-14A		5CC#8
2CC#7	2A-29A	B29 SCC Only	3CC#6
2CC#8	2A-46A	B46 SCC Only	5CC#17
2CC#9	2A-66A		7CC#1
2CC#10	4A-4A		4CC#1
2CC#11	4A-5A		4CC#2
2CC#12	4A-46A	B46 SCC Only	5CC#21
2CC#13	5A-5A		5CC#10
2CC#14	5A-46A	B46 SCC Only	3CC#32
2CC#15	5A-66A		7CC#1
2CC#16	5B		5CC#4
2CC#17	12A-66A		5CC#5
2CC#18	13A-46A	B46 SCC Only	3CC#16
2CC#19	13A-66A		7CC#3
2CC#20	14A-66A		5CC#8
2CC#21	66A-29A	B29 SCC Only	3CC#19
2CC#22	66A-46A	B46 SCC Only	5CC#27
2CC#23	66A-66A		7CC#1
2CC#24	66B		5CC#2
2CC#25	66C		5CC#3

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#1	2A-2A-4A		4CC#1
3CC#2	2A-2A-5A		5CC#1
3CC#3	2A-2A-12A		5CC#5
3CC#4	2A-2A-13A		5CC#6
3CC#5	2A-2A-14A		5CC#8
3CC#6	2A-2A-29A	B29 SCC Only	
3CC#7	2A-2A-46A	B46 SCC Only	
3CC#8	2A-2A-66A		5CC#1
3CC#9	2A-4A-4A		4CC#1
3CC#10	2A-4A-5A		4CC#2
3CC#11	2A-4A-13A		
3CC#12	2A-5A-46A	B46 SCC Only	
3CC#13	2A-5A-66A		7CC#1
3CC#14	2A-5B		5CC#4
3CC#15	2A-12A-66A		5CC#5
3CC#16	2A-13A-46A	B46 SCC Only	
3CC#17	2A-13A-66A		7CC#3
3CC#18	2A-14A-66A		5CC#8
3CC#19	2A-29A-66A	B29 SCC Only	
3CC#20	2A-46A-46A	B46 SCC Only	
3CC#21	2A-46A-66A	B46 SCC Only	
3CC#22	2A-46C	B46 SCC Only	5CC#18
3CC#23	2A-66A-66A		7CC#1
3CC#24	2A-66B		5CC#2
3CC#25	2A-66C		5CC#3
3CC#26	4A-4A-5A		4CC#12
3CC#27	4A-4A-13A		
3CC#28	4A-5B		4CC#13
3CC#29	4A-46A-46A	B46 SCC Only	
3CC#30	4A-46C	B46 SCC Only	4CC#30
3CC#31	5A-5A-66A		5CC#10
3CC#32	5A-46A-66A	B46 SCC Only	
3CC#33	5A-46C	B46 SCC Only	4CC#15
3CC#34	5A-66A-66A		7CC#1
3CC#35	5A-66B		5CC#2
3CC#36	5A-66C		5CC#3
3CC#37	5B-46A	B46 SCC Only	
3CC#38	5B-66A		5CC#4
3CC#39	12A-66A-66A		5CC#5
3CC#40	13A-46A-66A	B46 SCC Only	
3CC#41	13A-46C	B46 SCC Only	4CC#21
3CC#42	13A-66A-66A		7CC#3
3CC#43	13A-66B		5CC#7
3CC#44	13A-66C		4CC#24
3CC#45	14A-66A-66A		5CC#8
3CC#46	66A-46A-46A	B46 SCC Only	
3CC#47	66A-46C	B46 SCC Only	5CC#28
3CC#48	66A-66A-46A	B46 SCC Only	
3CC#49	66A-66C		

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#1	2A-2A-4A-4A		
4CC#2	2A-2A-4A-5A		
4CC#3	2A-2A-5A-66A		5CC#1
4CC#4	2A-2A-5B		5CC#4
4CC#5	2A-2A-12A-66A		5CC#5
4CC#6	2A-2A-13A-66A		5CC#6
4CC#7	2A-2A-14A-66A		5CC#7
4CC#8	2A-2A-46C	B46 SCC Only	
4CC#9	2A-2A-66A-66A		5CC#1
4CC#10	2A-2A-66B		5CC#2
4CC#11	2A-2A-66C		5CC#3
4CC#12	2A-4A-4A-5A		
4CC#13	2A-4A-5B		
4CC#14	2A-5A-5A-66A		5CC#10
4CC#15	2A-5A-46C	B46 SCC Only	
4CC#16	2A-5A-66A-66A		7CC#1
4CC#17	2A-5A-66B		5CC#2
4CC#18	2A-5A-66C		5CC#3
4CC#19	2A-5B-66A		5CC#4
4CC#20	2A-12A-66A-66A		5CC#5
4CC#21	2A-13A-46C	B46 SCC Only	
4CC#22	2A-13A-66A-66A		7CC#3
4CC#23	2A-13A-66B		5CC#7
4CC#24	2A-13A-66C		
4CC#25	2A-14A-66A-66A		5CC#8
4CC#26	2A-46A-46C	B46 SCC Only	
4CC#27	2A-46C-66A	B46 SCC Only	
4CC#28	2A-46D	B46 SCC Only	7CC#1
4CC#29	4A-4A-5B		
4CC#30	4A-46A-46C	B46 SCC Only	
4CC#31	4A-46D	B46 SCC Only	5CC#21
4CC#32	5A-5A-66A-66A		5CC#10
4CC#33	5A-5A-66B		
4CC#34	5A-5A-66C		
4CC#35	5A-46C-66A	B46 SCC Only	
4CC#36	5A-46D	B46 SCC Only	7CC#1
4CC#37	5B-46C	B46 SCC Only	
4CC#38	5B-66A-66A		5CC#12
4CC#39	5B-66B		5CC#13
4CC#40	5B-66C		5CC#14
4CC#41	13A-46C-66A	B46 SCC Only	
4CC#42	13A-46D	B46 SCC Only	7CC#3
4CC#43	66A-46A-46C	B46 SCC Only	
4CC#44	66A-46D	B46 SCC Only	7CC#1
4CC#45	66A-66A-46C	B46 SCC Only	

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#1	2A-2A-5A-66A-66A		
5CC#2	2A-2A-5A-66B		
5CC#3	2A-2A-5A-66C		
5CC#4	2A-2A-5B-66A		
5CC#5	2A-2A-12A-66A-66A		
5CC#6	2A-2A-13A-66A-66A		
5CC#7	2A-2A-13A-66B		
5CC#8	2A-2A-14A-66A-66A		
5CC#9	2A-2A-46D	B46 SCC Only	
5CC#10	2A-5A-5A-66A-66A		
5CC#11	2A-5A-46D	B46 SCC Only	7CC#1
5CC#12	2A-5B-66A-66A		
5CC#13	2A-5B-66B		
5CC#14	2A-5B-66C		
5CC#15	2A-13A-46D	B46 SCC Only	7CC#3
5CC#16	2A-13A-66A-66B		
5CC#17	2A-46A-46D	B46 SCC Only	
5CC#18	2A-46C-46C	B46 SCC Only	
5CC#19	2A-46D-66A	B46 SCC Only	7CC#1
5CC#20	2A-46E	B46 SCC Only	7CC#2
5CC#21	4A-46A-46D	B46 SCC Only	
5CC#22	5A-46D-66A	B46 SCC Only	7CC#1
5CC#23	5A-46E	B46 SCC Only	7CC#2
5CC#24	5B-46D	B46 SCC Only	
5CC#25	13A-46D-66A	B46 SCC Only	7CC#3
5CC#26	13A-46E	B46 SCC Only	6CC#4
5CC#27	66A-46A-46D	B46 SCC Only	
5CC#28	66A-46C-46C	B46 SCC Only	
5CC#29	66A-46E	B46 SCC Only	7CC#2
5CC#30	66A-66A-46D	B46 SCC Only	7CC#1

Index	6CC	Restriction	Completely Covered by Measurement Superset
6CC#1	2A-5A-46D-66A	B46 SCC Only	7CC#1
6CC#2	2A-5A-46E	B46 SCC Only	7CC#2
6CC#3	2A-13A-46D-66A	B46 SCC Only	7CC#3
6CC#4	2A-13A-46E	B46 SCC Only	
6CC#5	2A-46D-66A-66A	B46 SCC Only	7CC#1
6CC#6	2A-46E-66A	B46 SCC Only	7CC#2
6CC#7	5A-46D-66A-66A	B46 SCC Only	
6CC#8	5A-46E-66A	B46 SCC Only	7CC#2
6CC#9	13A-46D-66A-66A	B46 SCC Only	7CC#3
6CC#10	13A-46E-66A	B46 SCC Only	
6CC#11	66A-66A-46E	B46 SCC Only	7CC#4

Index	7CC	Restriction	Completely Covered by Measurement Superset
7CC#1	2A-5A-46D-66A-66A	B46 SCC Only	
7CC#2	2A-5A-46E-66A	B46 SCC Only	
7CC#3	2A-13A-46D-66A-66A	B46 SCC Only	
7CC#4	2A-46E-66A-66A	B46 SCC Only	
7CC#5	5A-46E-66A-66A	B46 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		5CC#2
2CC#2	[2A]-[2A]		5CC#5
2CC#3	2A-[4A]		4CC#1
2CC#4	[2A]-4A		4CC#2
2CC#5	[2A]-[4A]		4CC#4
2CC#6	[2A]-5A		7CC#7
2CC#7	[2A]-12A		5CC#24
2CC#8	[2A]-13A		5CC#32
2CC#9	[2A]-14A		5CC#45
2CC#10	[2A]-29A	B29 SCC Only	3CC#14
2CC#11	[2A]-46A	B46 SCC Only	5CC#79
2CC#12	2A-[66A]		7CC#1
2CC#13	[2A]-66A		7CC#2
2CC#14	[2A]-[66A]		7CC#4
2CC#15	[4A]-4A		4CC#1
2CC#16	[4A]-[4A]		4CC#3
2CC#17	[4A]-5A		4CC#9
2CC#18	[4A]-46A	B46 SCC Only	5CC#85
2CC#19	5A-[66A]		7CC#1
2CC#20	12A-[66A]		5CC#23
2CC#21	13A-[66A]		7CC#9
2CC#22	14A-[66A]		5CC#44
2CC#23	[66A]-29A	B29 SCC Only	3CC#49
2CC#24	[66A]-46A	B46 SCC Only	3CC#53
2CC#25	[66A]-66A		7CC#1
2CC#26	[66A]-[66A]		7CC#3
2CC#27	[66B]		5CC#9
2CC#28	[66C]		5CC#14

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#4
3CC#4	[2A]-[2A]-4A		4CC#5
3CC#5	[2A]-[2A]-[4A]		4CC#7
3CC#6	[2A]-2A-5A		5CC#2
3CC#7	[2A]-[2A]-5A		5CC#5
3CC#8	[2A]-2A-12A		5CC#24
3CC#9	[2A]-[2A]-12A		5CC#27
3CC#10	[2A]-2A-13A		5CC#32
3CC#11	[2A]-[2A]-13A		5CC#35
3CC#12	[2A]-2A-14A		5CC#45
3CC#13	[2A]-[2A]-14A		5CC#48
3CC#14	[2A]-2A-29A	B29 SCC Only	
3CC#15	[2A]-[2A]-29A	B29 SCC Only	
3CC#16	[2A]-2A-46A	B46 SCC Only	
3CC#17	[2A]-[2A]-46A	B46 SCC Only	
3CC#18	2A-2A-[66A]		5CC#19
3CC#19	[2A]-2A-66A		5CC#20
3CC#20	[2A]-2A-[66A]		5CC#21
3CC#21	[2A]-[2A]-66A		5CC#22
3CC#22	[2A]-[2A]-[66A]		5CC#7
3CC#23	2A-[4A]-4A		4CC#1
3CC#24	[2A]-4A-4A		4CC#2
3CC#25	2A-[4A]-[4A]		4CC#3
3CC#26	[2A]-[4A]-4A		4CC#4
3CC#27	[2A]-[4A]-[4A]		4CC#6
3CC#28	2A-[4A]-5A		4CC#9
3CC#29	[2A]-4A-5A		4CC#10
3CC#30	[2A]-[4A]-5A		4CC#11

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#31	2A-[4A]-13A		
3CC#32	[2A]-4A-13A		
3CC#33	[2A]-[4A]-13A		
3CC#34	[2A]-5A-46A	B46 SCC Only	
3CC#35	2A-5A-[66A]		7CC#1
3CC#36	[2A]-5A-66A		7CC#2
3CC#37	[2A]-5A-[66A]		7CC#4
3CC#38	[2A]-5B		5CC#20
3CC#39	2A-12A-[66A]		5CC#23
3CC#40	[2A]-12A-66A		5CC#24
3CC#41	[2A]-12A-[66A]		5CC#26
3CC#42	[2A]-13A-46A		
3CC#43	2A-13A-[66A]		7CC#9
3CC#44	[2A]-13A-66A		7CC#10
3CC#45	[2A]-13A-[66A]		7CC#12
3CC#46	2A-14A-[66A]		5CC#44
3CC#47	[2A]-14A-66A		5CC#45
3CC#48	[2A]-14A-[66A]		5CC#47
3CC#49	2A-29A-[66A]	B29 SCC Only	
3CC#50	[2A]-29A-66A	B29 SCC Only	
3CC#51	[2A]-29A-[66A]	B29 SCC Only	
3CC#52	[2A]-46A-46A	B46 SCC Only	
3CC#53	2A-46A-[66A]	B46 SCC Only	
3CC#54	[2A]-46A-66A	B46 SCC Only	
3CC#55	[2A]-46A-[66A]	B46 SCC Only	
3CC#56	[2A]-46C	B46 SCC Only	5CC#80
3CC#57	2A-[66A]-66A		7CC#1
3CC#58	[2A]-66A-66A		7CC#2
3CC#59	2A-[66A]-[66A]		7CC#3
3CC#60	[2A]-[66A]-66A		7CC#4
3CC#61	[2A]-[66A]-[66A]		7CC#5
3CC#62	2A-[66B]		5CC#9
3CC#63	[2A]-66B		5CC#10
3CC#64	[2A]-[66B]		5CC#11
3CC#65	2A-[66C]		5CC#14
3CC#66	[2A]-66C		5CC#15
3CC#67	[2A]-[66C]		5CC#16
3CC#68	[4A]-4A-5A		4CC#58
3CC#69	[4A]-[4A]-5A		4CC#57
3CC#70	[4A]-4A-13A		
3CC#71	[4A]-[4A]-13A		
3CC#72	[4A]-5B		4CC#60
3CC#73	[4A]-46A-46A	B46 SCC Only	
3CC#74	[4A]-46C	B46 SCC Only	4CC#110
3CC#75	5A-5A-[66A]		5CC#54
3CC#76	5A-46A-[66A]	B46 SCC Only	
3CC#77	5A-[66A]-66A		7CC#1
3CC#78	5A-[66A]-[66A]		7CC#3
3CC#79	5A-[66B]		5CC#9
3CC#80	5A-[66C]		5CC#14
3CC#81	5B-[66A]		5CC#19
3CC#82	12A-[66A]-66A		5CC#23
3CC#83	12A-[66A]-[66A]		5CC#25
3CC#84	13A-46A-[66A]	B46 SCC Only	
3CC#85	13A-[66A]-66A		7CC#9
3CC#86	13A-[66A]-[66A]		7CC#11
3CC#87	13A-[66B]		5CC#39
3CC#88	13A-[66C]		4CC#95
3CC#89	14A-[66A]-66A		5CC#44
3CC#90	14A-[66A]-[66A]		5CC#46
3CC#91	[66A]-46A-46A	B46 SCC Only	
3CC#92	[66A]-46C	B46 SCC Only	5CC#89
3CC#93	[66A]-66A-46A		
3CC#94	[66A]-[66A]-46A		
3CC#95	66A-[66C]		
3CC#96	[66A]-66C		
3CC#97	[66A]-[66C]		

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#1	2A-2A-[4A]-4A		
4CC#2	[2A]-2A-4A-4A		
4CC#3	2A-2A-[4A]-[4A]		
4CC#4	[2A]-2A-[4A]-4A		
4CC#5	[2A]-[2A]-4A-4A		
4CC#6	[2A]-2A-[4A]-[4A]		
4CC#7	[2A]-[2A]-[4A]-4A		
4CC#8	[2A]-[2A]-[4A]-[4A]		
4CC#9	2A-2A-[4A]-5A		
4CC#10	[2A]-2A-4A-5A		
4CC#11	[2A]-2A-[4A]-5A		
4CC#12	[2A]-[2A]-4A-5A		
4CC#13	[2A]-[2A]-[4A]-5A		
4CC#14	2A-2A-5A-[66A]		5CC#1
4CC#15	[2A]-2A-5A-66A		5CC#2
4CC#16	[2A]-2A-5A-[66A]		5CC#4
4CC#17	[2A]-[2A]-5A-66A		5CC#5
4CC#18	[2A]-[2A]-5A-[66A]		5CC#7
4CC#19	[2A]-2A-5B		5CC#20
4CC#20	[2A]-[2A]-5B		5CC#22
4CC#21	2A-2A-12A-[66A]		5CC#23
4CC#22	[2A]-2A-12A-66A		5CC#24
4CC#23	[2A]-2A-12A-[66A]		5CC#26
4CC#24	[2A]-[2A]-12A-66A		5CC#27
4CC#25	[2A]-[2A]-12A-[66A]		5CC#29
4CC#26	2A-2A-13A-[66A]		5CC#31
4CC#27	[2A]-2A-13A-66A		5CC#32
4CC#28	[2A]-2A-13A-[66A]		5CC#34
4CC#29	[2A]-[2A]-13A-66A		5CC#35
4CC#30	[2A]-[2A]-13A-[66A]		5CC#37
4CC#31	2A-2A-14A-[66A]		5CC#44
4CC#32	[2A]-2A-14A-66A		5CC#45
4CC#33	[2A]-2A-14A-[66A]		5CC#47
4CC#34	[2A]-[2A]-14A-66A		5CC#48
4CC#35	[2A]-[2A]-14A-[66A]		5CC#50
4CC#36	[2A]-2A-46C	B46 SCC Only	
4CC#37	[2A]-[2A]-46C	B46 SCC Only	
4CC#38	2A-2A-[66A]-66A		5CC#1
4CC#39	[2A]-2A-66A-66A		5CC#2
4CC#40	2A-2A-[66A]-[66A]		5CC#3
4CC#41	[2A]-2A-[66A]-66A		5CC#4
4CC#42	[2A]-[2A]-66A-66A		5CC#5
4CC#43	[2A]-2A-[66A]-[66A]		5CC#6
4CC#44	[2A]-[2A]-[66A]-66A		5CC#7
4CC#45	[2A]-[2A]-[66A]-[66A]		5CC#8
4CC#46	2A-2A-[66B]		5CC#9
4CC#47	[2A]-2A-66B		5CC#10
4CC#48	[2A]-2A-[66B]		5CC#11
4CC#49	[2A]-[2A]-66B		5CC#12
4CC#50	[2A]-[2A]-[66B]		5CC#13
4CC#51	2A-2A-[66C]		5CC#14
4CC#52	[2A]-2A-66C		5CC#15
4CC#53	[2A]-2A-[66C]		5CC#16
4CC#54	[2A]-[2A]-66C		5CC#17
4CC#55	[2A]-[2A]-[66C]		5CC#18
4CC#56	[2A]-4A-4A-5A		
4CC#57	2A-[4A]-[4A]-5A		
4CC#58	[2A]-[4A]-4A-5A		
4CC#59	[2A]-[4A]-[4A]-5A		
4CC#60	2A-[4A]-5B		
4CC#61	[2A]-4A-5B		
4CC#62	[2A]-[4A]-5B		
4CC#63	2A-5A-5A-[66A]		5CC#54
4CC#64	[2A]-5A-5A-66A		5CC#55
4CC#65	[2A]-5A-5A-[66A]		5CC#57

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#66	[2A]-5A-46C	B46 SCC Only	
4CC#67	2A-5A-[66A]-66A		7CC#1
4CC#68	[2A]-5A-66A-66A		7CC#2
4CC#69	2A-5A-[66A]-[66A]		7CC#3
4CC#70	[2A]-5A-[66A]-66A		7CC#4
4CC#71	[2A]-5A-[66A]-[66A]		7CC#5
4CC#72	2A-5A-[66B]		5CC#9
4CC#73	[2A]-5A-66B		5CC#10
4CC#74	[2A]-5A-[66B]		5CC#11
4CC#75	2A-5A-[66C]		5CC#14
4CC#76	[2A]-5A-66C		5CC#15
4CC#77	[2A]-5A-[66C]		5CC#16
4CC#78	2A-5B-[66A]		5CC#19
4CC#79	[2A]-5B-66A		5CC#20
4CC#80	[2A]-5B-[66A]		5CC#21
4CC#81	2A-12A-[66A]-66A		5CC#23
4CC#82	[2A]-12A-66A-66A		5CC#24
4CC#83	2A-12A-[66A]-[66A]		5CC#25
4CC#84	[2A]-12A-[66A]-66A		5CC#26
4CC#85	[2A]-12A-[66A]-[66A]		5CC#28
4CC#86	[2A]-13A-46C	B46 SCC Only	
4CC#87	2A-13A-[66A]-66A		7CC#9
4CC#88	[2A]-13A-66A-66A		7CC#10
4CC#89	2A-13A-[66A]-[66A]		7CC#11
4CC#90	[2A]-13A-[66A]-66A		7CC#12
4CC#91	[2A]-13A-[66A]-[66A]		7CC#13
4CC#92	2A-13A-[66B]		5CC#39
4CC#93	[2A]-13A-66B		5CC#40
4CC#94	[2A]-13A-[66B]		5CC#41
4CC#95	2A-13A-[66C]		
4CC#96	[2A]-13A-66C		
4CC#97	[2A]-13A-[66C]		
4CC#98	2A-14A-[66A]-66A		5CC#44
4CC#99	[2A]-14A-66A-66A		5CC#45
4CC#100	2A-14A-[66A]-[66A]		5CC#46
4CC#101	[2A]-14A-[66A]-66A		5CC#47
4CC#102	[2A]-14A-[66A]-[66A]		5CC#49
4CC#103	[2A]-46A-46C	B46 SCC Only	
4CC#104	2A-46C-[66A]	B46 SCC Only	
4CC#105	[2A]-46C-66A	B46 SCC Only	
4CC#106	[2A]-46C-[66A]	B46 SCC Only	
4CC#107	[2A]-46D	B46 SCC Only	7CC#2
4CC#108	[4A]-4A-5B		
4CC#109	[4A]-[4A]-5B		
4CC#110	[4A]-46A-46C	B46 SCC Only	
4CC#111	[4A]-46D	B46 SCC Only	5CC#85
4CC#112	5A-5A-[66A]-66A		5CC#54
4CC#113	5A-5A-[66A]-[66A]		5CC#56
4CC#114	5A-5A-[66B]		
4CC#115	5A-5A-[66C]		
4CC#116	5A-46C-[66A]	B46 SCC Only	
4CC#117	5B-[66A]-66A		5CC#60
4CC#118	5B-[66A]-[66A]		5CC#62
4CC#119	5B-[66B]		5CC#65
4CC#120	5B-[66C]		5CC#68
4CC#121	13A-46C-[66A]	B46 SCC Only	
4CC#122	[66A]-46A-46C	B46 SCC Only	
4CC#123	[66A]-46D	B46 SCC Only	7CC#1
4CC#124	[66A]-66A-46C	B46 SCC Only	
4CC#125	[66A]-[66A]-46C	B46 SCC Only	

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

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#1	2A-2A-5A-[66A]-66A		
5CC#2	[2A]-2A-5A-66A-66A		
5CC#3	2A-2A-5A-[66A]-[66A]		
5CC#4	[2A]-2A-5A-[66A]-66A		
5CC#5	[2A]-[2A]-5A-66A-66A		
5CC#6	[2A]-2A-5A-[66A]-[66A]		
5CC#7	[2A]-[2A]-5A-[66A]-66A		
5CC#8	[2A]-[2A]-5A-[66A]-[66A]		
5CC#9	2A-2A-5A-[66B]		
5CC#10	[2A]-2A-5A-66B		
5CC#11	[2A]-2A-5A-[66B]		
5CC#12	[2A]-[2A]-5A-66B		
5CC#13	[2A]-[2A]-5A-[66B]		
5CC#14	2A-2A-5A-[66C]		
5CC#15	[2A]-2A-5A-66C		
5CC#16	[2A]-2A-5A-[66C]		
5CC#17	[2A]-[2A]-5A-66C		
5CC#18	[2A]-[2A]-5A-[66C]		
5CC#19	2A-2A-5B-[66A]		
5CC#20	[2A]-2A-5B-66A		
5CC#21	[2A]-2A-5B-[66A]		
5CC#22	[2A]-[2A]-5B-66A		
5CC#23	2A-2A-12A-[66A]-66A		
5CC#24	[2A]-2A-12A-66A-66A		
5CC#25	2A-2A-12A-[66A]-[66A]		
5CC#26	[2A]-2A-12A-[66A]-66A		
5CC#27	[2A]-[2A]-12A-66A-66A		
5CC#28	[2A]-2A-12A-[66A]-[66A]		
5CC#29	[2A]-[2A]-12A-[66A]-66A		
5CC#30	[2A]-[2A]-12A-[66A]-[66A]		
5CC#31	2A-2A-13A-[66A]-66A		
5CC#32	[2A]-2A-13A-66A-66A		
5CC#33	2A-2A-13A-[66A]-[66A]		
5CC#34	[2A]-2A-13A-[66A]-66A		
5CC#35	[2A]-[2A]-13A-66A-66A		
5CC#36	[2A]-2A-13A-[66A]-[66A]		
5CC#37	[2A]-[2A]-13A-[66A]-66A		
5CC#38	[2A]-[2A]-13A-[66A]-[66A]		
5CC#39	2A-2A-13A-[66B]		
5CC#40	[2A]-2A-13A-66B		
5CC#41	[2A]-2A-13A-[66B]		
5CC#42	[2A]-[2A]-13A-66B		
5CC#43	[2A]-[2A]-13A-[66B]		
5CC#44	2A-2A-14A-[66A]-66A		
5CC#45	[2A]-2A-14A-66A-66A		
5CC#46	2A-2A-14A-[66A]-[66A]		
5CC#47	[2A]-2A-14A-[66A]-66A		
5CC#48	[2A]-[2A]-14A-66A-66A		
5CC#49	[2A]-2A-14A-[66A]-[66A]		
5CC#50	[2A]-[2A]-14A-[66A]-66A		
5CC#51	[2A]-[2A]-14A-[66A]-[66A]		
5CC#52	[2A]-2A-46D	B46 SCC Only	
5CC#53	[2A]-[2A]-46D	B46 SCC Only	
5CC#54	2A-5A-5A-[66A]-66A		
5CC#55	[2A]-5A-5A-66A-66A		
5CC#56	2A-5A-5A-[66A]-[66A]		
5CC#57	[2A]-5A-5A-[66A]-66A		
5CC#58	[2A]-5A-5A-[66A]-[66A]		
5CC#59	[2A]-5A-46D	B46 SCC Only	7CC#2
5CC#60	2A-5B-[66A]-66A		

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#61	[2A]-5B-66A-66A		
5CC#62	2A-5B-[66A]-[66A]		
5CC#63	[2A]-5B-[66A]-66A		
5CC#64	[2A]-5B-[66A]-[66A]		
5CC#65	2A-5B-[66B]		
5CC#66	[2A]-5B-66B		
5CC#67	[2A]-5B-[66B]		
5CC#68	2A-5B-[66C]		
5CC#69	[2A]-5B-66C		
5CC#70	[2A]-5B-[66C]		
5CC#71	[2A]-13A-46D	B46 SCC Only	7CC#10
5CC#72	2A-13A-66A-[66B]		
5CC#73	2A-13A-[66A]-66B		
5CC#74	[2A]-13A-66A-66B		
5CC#75	2A-13A-[66A]-[66B]		
5CC#76	[2A]-13A-66A-[66B]		
5CC#77	[2A]-13A-[66A]-66B		
5CC#78	[2A]-13A-[66A]-[66B]		
5CC#79	[2A]-46A-46D	B46 SCC Only	
5CC#80	[2A]-46C-46C	B46 SCC Only	
5CC#81	2A-46D-[66A]	B46 SCC Only	7CC#1
5CC#82	[2A]-46D-66A	B46 SCC Only	7CC#2
5CC#83	[2A]-46D-[66A]	B46 SCC Only	7CC#4
5CC#84	[2A]-46E	B46 SCC Only	7CC#7
5CC#85	[4A]-46A-46D	B46 SCC Only	
5CC#86	5A-46D-[66A]	B46 SCC Only	7CC#1
5CC#87	13A-46D-[66A]	B46 SCC Only	7CC#9
5CC#88	[66A]-46A-46D	B46 SCC Only	
5CC#89	[66A]-46C-46C	B46 SCC Only	
5CC#90	[66A]-46E	B46 SCC Only	7CC#6
5CC#91	[66A]-66A-46D	B46 SCC Only	7CC#1
5CC#92	[66A]-[66A]-46D	B46 SCC Only	7CC#3

Index	6CC	Restriction	Completely Covered by Measurement Superset
6CC#1	2A-5A-46D-[66A]	B46 SCC Only	7CC#1
6CC#2	[2A]-5A-46D-66A	B46 SCC Only	7CC#2
6CC#3	[2A]-5A-46D-[66A]	B46 SCC Only	7CC#4
6CC#4	[2A]-5A-46E	B46 SCC Only	7CC#7
6CC#5	2A-13A-46D-[66A]	B46 SCC Only	7CC#9
6CC#6	[2A]-13A-46D-66A	B46 SCC Only	7CC#10
6CC#7	[2A]-13A-46D-[66A]	B46 SCC Only	7CC#12
6CC#8	[2A]-13A-46E	B46 SCC Only	
6CC#9	2A-46D-[66A]-66A	B46 SCC Only	7CC#1
6CC#10	[2A]-46D-66A-66A	B46 SCC Only	7CC#2
6CC#11	2A-46D-[66A]-[66A]	B46 SCC Only	7CC#3
6CC#12	[2A]-46D-[66A]-66A	B46 SCC Only	7CC#4
6CC#13	[2A]-46D-[66A]-[66A]	B46 SCC Only	7CC#5
6CC#14	2A-46E-[66A]	B46 SCC Only	7CC#6
6CC#15	[2A]-46E-66A	B46 SCC Only	7CC#7
6CC#16	[2A]-46E-[66A]	B46 SCC Only	7CC#8
6CC#17	5A-46D-[66A]-66A	B46 SCC Only	7CC#1
6CC#18	5A-46D-[66A]-[66A]	B46 SCC Only	7CC#3
6CC#19	5A-46E-[66A]	B46 SCC Only	7CC#6
6CC#20	13A-46D-[66A]-66A	B46 SCC Only	7CC#9
6CC#21	13A-46D-[66A]-[66A]	B46 SCC Only	7CC#11
6CC#22	13A-46E-[66A]	B46 SCC Only	
6CC#23	[66A]-66A-46E	B46 SCC Only	7CC#14
6CC#24	[66A]-[66A]-46E	B46 SCC Only	7CC#16

Index	7CC	Restriction	Completely Covered by Measurement Superset
7CC#1	2A-5A-46D-[66A]-66A	B46 SCC Only	
7CC#2	[2A]-5A-46D-66A-66A	B46 SCC Only	
7CC#3	2A-5A-46D-[66A]-[66A]	B46 SCC Only	
7CC#4	[2A]-5A-46D-[66A]-66A	B46 SCC Only	
7CC#5	[2A]-5A-46D-[66A]-[66A]	B46 SCC Only	
7CC#6	2A-5A-46E-[66A]	B46 SCC Only	
7CC#7	[2A]-5A-46E-66A	B46 SCC Only	
7CC#8	[2A]-5A-46E-[66A]	B46 SCC Only	
7CC#9	2A-13A-46D-[66A]-66A	B46 SCC Only	
7CC#10	[2A]-13A-46D-66A-66A	B46 SCC Only	
7CC#11	2A-13A-46D-[66A]-[66A]	B46 SCC Only	
7CC#12	[2A]-13A-46D-[66A]-66A	B46 SCC Only	
7CC#13	[2A]-13A-46D-[66A]-[66A]	B46 SCC Only	
7CC#14	2A-46E-[66A]-66A	B46 SCC Only	
7CC#15	[2A]-46E-66A-66A	B46 SCC Only	
7CC#16	2A-46E-[66A]-[66A]	B46 SCC Only	
7CC#17	[2A]-46E-[66A]-66A	B46 SCC Only	
7CC#18	[2A]-46E-[66A]-[66A]	B46 SCC Only	
7CC#19	5A-46E-[66A]-66A	B46 SCC Only	
7CC#20	5A-46E-[66A]-[66A]	B46 SCC Only	

Note:

Only yellow highlight cells need power measurement according to LTE DL CA SAR test Exclusion in TCB workshop (April.2018).
[*] is 4X4 MIMO configuration.

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
Band 2	QPSK	20	18700	1860	1/0	23.7	23.6	-0.10
Band 4	QPSK	20	20175	1732.5	1/49	23.8	23.8	0.04
Band 66	QPSK	20	132072	1720	1/49	23.8	23.8	-0.07

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	SCC4	SCC5	SCC6	PCC					PCC			SCC1			SCC2			SCC3			SCC4			SCC5			SCC6					
	1st	2nd	3rd	4th	5th	6th	7th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)			
2A-2A-29A	02A	02A	29A					QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	9715	722.5													23.7	23.7	-0.01
2A-2A-46A	02A	02A	46A					QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5													23.7	23.7	-0.02
2A-4A-13A	02A	04A	13A					QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	5230	751													23.7	23.7	-0.04
	04A	02A	13A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	5230	751													23.8	23.8	-0.01
	13A	02A	04A					QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	2175	2132.5													23.6	23.6	-0.06
2A-5A-46A	02A	05A	46A					QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5													23.7	23.6	-0.12
	05A	02A	46A					QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5													23.6	23.7	0.05
2A-13A-46A	02A	13A	46A					QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5													23.7	23.7	-0.03
	13A	02A	46A					QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5													23.6	23.6	0.01
2A-29A-66A	02A	29A	66A					QPSK	20	18700	1860	1/0	20	700	1940	10	9715	722.5	20	66786	2145													23.7	23.7	-0.02
	66A	02A	29A					QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	9715	722.5													23.8	23.8	-0.05
2A-46A-46A	02A	46A	46A					QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	47090	5180													23.7	23.8	0.08
2A-46A-66A	02A	46A	66A					QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	66786	2145													23.7	23.8	0.07
	66A	02A	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	50665	5537.5													23.8	23.8	-0.07
4A-4A-13A	04A	04A	13A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	10	5230	751													23.8	23.9	0.09
	13A	04A	04A					QPSK	10	23230	782	1/0	10	5230	751	20	2175	2132.5	10	2350	2150													23.6	23.7	0.06
4A-46A-46A	04A	46A	46A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	50665	5537.5	20	47090	5180													23.8	23.8	-0.02
5A-46A-66A	05A	46A	66A					QPSK	10	20525	836.5	1/49	10	2525	881.5	20	50665	5537.5	20	66786	2145													23.6	23.6	-0.06
5B-46A	05B	05B	46A					QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	50665	5537.5													23.6	23.6	-0.04
13A-46A-66A	13A	46A	66A					QPSK	10	23230	782	1/0	10	5230	751	20	50665	5537.5	20	66786	2145													23.6	23.6	0.03
	66A	13A	46A					QPSK	20	132072	1720	1/49	20	66536	2120	10	5230	751	20	50665	5537.5													23.8	23.9	0.06
66A-46A-46A	66A	46A	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	50665	5537.5	20	47090	5180													23.8	23.8	-0.03
66A-66A-46A	66A	66A	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	50665	5537.5													23.8	23.8	-0.03
66A-66C	66A	66C	66C					QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	66984	2164.8													23.8	23.9	0.03
	66C	66C	66A					QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	67036	2170													23.8	23.9	0.06
2A-2A-4A-4A	02A	02A	04A	04A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150											23.7	23.8	0.08
	04A	04A	02A	02A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	20	900	1960	20	1100	1980											23.8	23.8	0.00
2A-2A-4A-5A	02A	02A	04A	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2525	881.5											23.7	23.8	0.10
	04A	02A	02A	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2525	881.5											23.8	23.8	0.02
	05A	02A	02A	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	2175	2132.5											23.6	23.6	-0.06
2A-2A-46C	02A	02A	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5	20	50467	5517.7											23.7	23.7	-0.04
2A-4A-4A-5A	02A	04A	04A	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	2350	2150	10	2525	881.5											23.7	23.8	0.05
	04A	04A	02A	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	20	900	1960	10	2525	881.5											23.8	23.8	-0.01
	05A	02A	04A	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	2175	2132.5	10	2350	2150											23.6	23.6	-0.07
2A-4A-5B	02A	04A	05B	05B				QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	2600	889	10	2501	879.1											23.7	23.8	0.09
	04A	02A	05B	05B				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	2600	889	10	2501	879.1											23.8	23.8	-0.02
	05B	05B	02A	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	2175	2132.5											23.6	23.7	0.03
2A-5A-46C	02A	05A	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7											23.7	23.7	0.01
	05A	02A	46C	46C				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7											23.6	23.6	-0.02
2A-13A-46C	02A	13A	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7											23.7	23.8	0.06
	13A	02A	46C	46C				QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7											23.6	23.6	-0.01
2A-13A-66C	02A	13A	66C	66C				QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	66786	2145	20	66984	2164.8											23.7	23.7	0.02
	13A	02A	66C	66C				QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	66786	2145	20	66984	2164.8											23.6	23.7	0.05
	66C	66C	02A	13A				QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	10	5230	751											23.8	23.8	-0.06
2A-46A-46C	02A	46A	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	53540	5825	20	53342	5805.2											23.7	23.8	0.05
2A-46C-66A	02A	46C	46C	66A				QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	66786	2145											23.7	23.7	-0.03
	66A	02A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	50665	5537.5	20	50467	5517.7											23.8	23.7	-0.13
4A-4A-5B	04A	04A	05B	05B				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	10	2600	889	10	2501	879.1											23.8	23.7	-0.05
	05B	05B	04A	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	2175	2132.5	10	2350	2150											23.6	23.7	0.03
4A-46A-46C	04A	46A	46C	46C				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	50665	5537.5	20	53540	5825	20	53342	5805.2											23.8	23.8	-0.03
5A-5A-66B	05A	05A	66B	66B				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2625	891.5	15	66786	2145	5	66879	2154.3											23.6	23.6	-0.06
	66B	66B	05A	05A				QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	10	2600	889	10	2450	874											23.8	23.8	-0.04
5A-5A-66C	05A	05A	66C	66C				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2625	891.5	20	66786	2145	20	66984	2164.8											23.6	23.7	0.02
	66C	66C	05A	05A				QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	10	2600	889	10	2450	874											23.8	23.7	-0.10
5A-46C-66A	05A	46C	46C	66A				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	66786	2145											23.6	23.7	0.00
	66A	05A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	10	2525	881.5	20	50665	5537.5	20	50467	5517.7											23.8	23.8	0.01
5B-46C	05B	05B	46C	46C				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	50665	5537.5	20	50467	5517.7											23.6	23.7	0.01
13A-46C-66A	13A	46C	46C	66A				QPSK	10	23230	782	1/0	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	66786	2145											23.6	23.6	0.00
	66A	13A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	10	5230	751	20	50665	5537.5	20	50467	5517.7											23.8	23.8	-0.01
66A-46A-46C	66A	46A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	50665	5537.5	20	53540	5825	20	53342	5805.2											23.8	23.8	-0.04
66A-66A-46C	66A	66A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	50665	5537.5	20	50467	5517.7											23.8	23.7	-0.08
2A-2A-5A-66A-66A	02A	02A	05A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170								23.7	23.8	0.07
	05A	02A	02A	66A	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170								23.6	23.5	-0.14
	66A	66A	02A	02A	05A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	1100	1980	10	2525	881.5								23.8	23.9	0.06
2A-2A-5A-66B	02A	02A	05A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	15	66786	2145	5	66879	2154.3								23.7	23.8	0.05
	05A	02A	02A	66B	66B			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3								23.6	23.6	-0.09
	66B	66B	02A	02A	05A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	2525	881.5								23.8	23.9	0.08
2A-2A-5A-66C	02A	02A	05A	66C	66C			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	66984	2164.8								23.7	23.8	0.07
	05A	02A	02A	66C	66C			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	66984	2164.8								23.6	23.6	-0.03
	66C	66C	02A	02A	05A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	20	1100	1980	10	2525	881.5								23.8	23.8	-0.01
2A-2A-5B-66A	02A	02A	05B	05B	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145								23.7	23.7	0.02
	05B	05B	02A	02A	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	1100	1980	20	66786	2145								23.6	23.7	0.00
	66A	02A	02A	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2600	889	10	2501	879.1								23.8	23.9	0.05
2A-2A-12A-66A-66A	02A	02A	12A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170								23.7	23.8	0.09
	12A	02A	02A	66A	66A			QPSK	10	23095	707.5	1/0	10	5095	737.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170								23.8	23.8	-0.01
	66A	66A	02A	02A	12A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	1100	1980	10	5095	737.5								23.8	23.8	0.00
2A-2A-13A-66A-66A	02A	02A	13A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170								23.7	23.8	0.07
	13A	02A	02A	66A	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170								23.6	23.7	0.04
	66A	66A	02A	02A	13A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	1100	1980	10	5230	751								23.8	23.8	-0.01
2A-2A-13A-66B	02A	02A	13A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	15	66786	2145	5	66879	2154.3								23.7	23.7	0.04
	13A	02A	02A	66B	66B			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3								23.6	23.7	0.04
	66B	66B	02A	02A	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	5230	751								23.8	23.9	0.08

DL CA output power results (continued)

E-UTRA CA configutation (BCS)	Bands							UL					DL																					LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC					PCC			SCC1			SCC2			SCC3			SCC4			SCC5			SCC6					
	1st	2nd	3rd	4th	5th	6th	7th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)			
2A-2A-14A-66A-66A	02A	02A	14A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.7	0.01
	14A	02A	02A	66A	66A			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.02
	66A	66A	02A	02A	14A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	1100	1980	10	5330	763							23.8	23.8	0.00
2A-2A-46D	02A	02A	46D	46D	46D			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3							23.7	23.8	0.06
2A-5A-5A-66A-66A	02A	05A	05A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2450	874	20	66786	2145	20	67036	2170							23.7	23.7	0.01
	05A	05A	02A	66A	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2625	891.5	20	900	1960	20	66786	2145	20	67036	2170							23.6	23.7	0.00
	66A	66A	02A	05A	05A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2600	889	10	2450	874							23.8	23.8	0.00
2A-5B-66A-66A	02A	05B	05B	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	67036	2170							23.7	23.8	0.07
	05B	05B	02A	66A	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	67036	2170							23.6	23.7	0.03
	66A	66A	02A	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2600	889	10	2501	879.1							23.8	23.8	-0.03
2A-5B-66B	02A	05B	05B	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	15	66786	2145	5	66879	2154.3							23.7	23.8	0.06
	05B	05B	02A	66B	66B			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	15	66786	2145	5	66879	2154.3							23.6	23.7	0.00
	66B	66B	02A	05B	05B			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	10	2600	889	10	2501	879.1							23.8	23.8	-0.05
2A-5B-66C	02A	05B	05B	66C	66C			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	66984	2164.8							23.7	23.7	-0.01
	05B	05B	02A	66C	66C			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	66984	2164.8							23.6	23.6	-0.09
	66C	66C	02A	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	10	2600	889	10	2501	879.1							23.8	23.7	-0.13
2A-13A-66A-66B	02A	13A	66A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	67036	2170	15	66786	2145	5	66693	2135.7							23.7	23.7	-0.01
	13A	02A	66A	66B	66B			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	67036	2170	15	66786	2145	5	66693	2135.7							23.6	23.6	-0.03
	66A	02A	13A	66B	66B			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	5230	751	15	66786	2145	5	66879	2154.3							23.8	23.8	-0.05
	66B	66B	02A	13A	66A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	10	5230	751	20	66786	2145							23.8	23.8	-0.06
2A-46A-46D	02A	46A	46D	46D	46D			QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	53540	5825	20	53342	5805.2	20	53144	5785.4							23.7	23.7	-0.01
2A-46C-46C	02A	46C	46C	46C	46C			QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	53540	5825	20	53342	5805.2							23.7	23.7	-0.05
4A-46A-46D	04A	46A	46D	46D	46D			QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	50665	5537.5	20	53540	5825	20	53342	5805.2	20	53144	5785.4							23.8	23.7	-0.07
5B-46D	05B	05B	46D	46D	46D			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3							23.6	23.6	-0.10
66A-46A-46D	66A	46A	46D	46D	46D			QPSK	20	132072	1720	1/49	20	66536	2120	20	50665	5537.5	20	53540	5825	20	53342	5805.2	20	53144	5785.4							23.8	23.7	-0.10
66A-46C-46C	66A	46C	46C	46C	46C			QPSK	20	132072	1720	1/49	20	66536	2120	20	50665	5537.5	20	50467	5517.7	20	53540	5825	20	53342	5805.2							23.8	23.8	-0.07
2A-13A-46E	02A	13A	46E	46E	46E	46E		QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1				23.7	23.6	-0.06
	13A	02A	46E	46E	46E	46E		QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1				23.6	23.7	0.06
5A-46D-66A-66A	05A	46D	46D	46D	66A	66A		QPSK	10	20525	836.5	1/49	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170				23.6	23.5	-0.12
	66A	66A	05A	46D	46D	46D		QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3				23.8	23.8	-0.06
13A-46E-66A	13A	46E	46E	46E	46E	66A		QPSK	10	23230	782	1/0	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145				23.6	23.5	-0.07
	66A	13A	46E	46E	46E	46E		QPSK	20	132072	1720	1/49	20	66536	2120	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1				23.8	23.8	-0.06
2A-5A-46D-66A-66A	02A	05A	46D	46D	46D	66A	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.6	-0.11
	05A	02A	46D	46D	46D	66A	66A	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.6	-0.03
	66A	66A	02A	05A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.7	-0.08
2A-5A-46E-66A	02A	05A	46E	46E	46E	46E	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	23.7	23.7	-0.01
	05A	02A	46E	46E	46E	46E	66A	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	23.6	23.7	0.01
	66A	02A	05A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.7	-0.10
2A-13A-46D-66A-66A	02A	13A	46D	46D	46D	66A	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.6	-0.09
	13A	02A	46D	46D	46D	66A	66A	QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.5	-0.07
	66A	66A	02A	13A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.7	-0.14
2A-46E-66A-66A	02A	46E	46E	46E	46E	66A	66A	QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	20	67036	2170	23.7	23.6	-0.08
	66A	66A	02A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	0.02
5A-46E-66A-66A	05A	46E	46E	46E	46E	66A	66A	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	20	67036	2170	23.6	23.6	-0.07
	66A	66A	05A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-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

E-UTRA CA configuration (BCS)	Bands							UL					DL																					LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC					PCC			SCC1			SCC2			SCC3			SCC4			SCC5			SCC6					
	1st	2nd	3rd	4th	5th	6th	7th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)			
[2A]-2A-29A	[02A]	02A	29A					QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	9715	722.5													23.7	23.6	-0.11
	02A	[02A]	29A					QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	9715	722.5													23.7	23.7	-0.01
[2A]-[2A]-29A	[02A]	[02A]	29A					QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	9715	722.5													23.7	23.8	0.05
[2A]-2A-46A	[02A]	02A	46A					QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5													23.7	23.8	0.07
	02A	[02A]	46A					QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5													23.7	23.7	0.01
[2A]-[2A]-46A	[02A]	[02A]	46A					QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5													23.7	23.7	0.00
2A-[4A]-13A	02A	[04A]	13A					QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	5230	751													23.7	23.7	0.04
	[04A]	02A	13A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	5230	751													23.8	23.8	0.02
	13A	02A	[04A]					QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	2175	2132.5													23.6	23.7	0.06
[2A]-4A-13A	[02A]	04A	13A					QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	5230	751													23.7	23.7	-0.04
	04A	[02A]	13A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	5230	751													23.8	23.8	-0.02
	13A	02A	[04A]					QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	2175	2132.5													23.6	23.7	0.04
[2A]-[4A]-13A	[02A]	[04A]	13A					QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	5230	751													23.7	23.8	0.08
	[04A]	02A	13A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	5230	751													23.8	23.9	0.08
	13A	02A	[04A]					QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	2175	2132.5													23.6	23.6	0.01
[2A]-13A-46A	[02A]	13A	46A					QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5													23.7	23.7	-0.01
	13A	[02A]	46A					QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5													23.6	23.6	-0.01
2A-29A-[66A]	02A	29A	[66A]					QPSK	20	18700	1860	1/0	20	700	1940	10	9715	722.5	20	66786	2145													23.7	23.8	0.05
	[66A]	02A	29A					QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	9715	722.5													23.8	23.9	0.03
[2A]-29A-66A	[02A]	29A	66A					QPSK	20	18700	1860	1/0	20	700	1940	10	9715	722.5	20	66786	2145													23.7	23.8	0.07
	66A	[02A]	29A					QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	9715	722.5													23.8	23.9	0.05
[2A]-29A-[66A]	[02A]	29A	[66A]					QPSK	20	18700	1860	1/0	20	700	1940	10	9715	722.5	20	66786	2145													23.7	23.8	0.06
	[66A]	[02A]	29A					QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	9715	722.5													23.8	23.8	-0.05
[2A]-46A-46A	[02A]	46A	46A					QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	47090	5180													23.7	23.7	0.02
2A-46A-[66A]	02A	46A	[66A]					QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	66786	2145													23.7	23.8	0.09
	[66A]	02A	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	50665	5537.5													23.8	23.7	-0.10
[2A]-46A-66A	[02A]	46A	66A					QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	66786	2145													23.7	23.8	0.05
	66A	[02A]	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	50665	5537.5													23.8	23.9	0.07
[2A]-46A-[66A]	[02A]	46A	[66A]					QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	66786	2145													23.7	23.7	0.02
	[66A]	[02A]	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	50665	5537.5													23.8	23.8	0.02
[4A]-4A-13A	[04A]	04A	13A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	10	5230	751													23.8	23.9	0.09
	04A	[04A]	13A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	10	5230	751													23.8	23.9	0.07
	13A	[04A]	04A					QPSK	10	23230	782	1/0	10	5230	751	20	2175	2132.5	10	2350	2150													23.6	23.7	0.05
[4A]-[4A]-13A	[04A]	[04A]	13A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	10	5230	751													23.8	23.9	0.09
	13A	[04A]	[04A]					QPSK	10	23230	782	1/0	10	5230	751	20	2175	2132.5	10	2350	2150													23.6	23.6	0.03
[4A]-46A-46A	[04A]	46A	46A					QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	50665	5537.5	20	47090	5180													23.8	23.8	-0.02
5A-46A-[66A]	05A	46A	[66A]					QPSK	10	20525	836.5	1/49	10	2525	881.5	20	50665	5537.5	20	66786	2145													23.6	23.7	0.00
	[66A]	05A	46A					QPSK	20	132072	1720	1/49	20	66536	2120	10	2525	881.5	20	50665	5537.5													23.8	23.9	0.05
13A-46A-[66A]	13A	46A	[66A]					QPSK	10	23230	782	1/0	10	5230	751	20	50665	5537.5	20	66786	2145													23.6	23.7	0.05
	[66A]	13A	46A					QPSK	20	132072	1720	1/49	20	66536	2120	10	5230	751	20	50665	5537.5													23.8	23.8	-0.02
[66A]-46A-46A	[66A]	46A	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	50665	5537.5	20	47090	5180													23.8	23.9	0.05
[66A]-66A-46A	[66A]	66A	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	50665	5537.5													23.8	23.9	0.06
	66A	[66A]	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	50665	5537.5													23.8	23.8	-0.02
[66A]-[66A]-46A	[66A]	[66A]	46A					QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	50665	5537.5													23.8	23.8	-0.03
66A-[66C]	66A	[66C]	[66C]					QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	66984	2164.8													23.8	23.7	-0.08
	[66C]	[66C]	66A					QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	67036	2170													23.8	23.9	0.10
[66A]-66C	[66A]	66C	66C					QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	66984	2164.8													23.8	23.9	0.08
	66C	66C	[66A]					QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	67036	2170													23.8	23.8	-0.05
[66A]-[66C]	[66A]	[66C]	[66C]					QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	66984	2164.8													23.8	23.8	-0.06
	[66C]	[66C]	[66A]					QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	67036	2170													23.8	23.8	-0.02
2A-2A-[4A]-4A	02A	02A	[04A]	04A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.7	-0.04
	[04A]	02A	02A	04A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.7	-0.08
	04A	02A	02A	[04A]				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.9	0.08
[2A]-2A-4A-4A	[02A]	02A	04A	04A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.8	0.07
	02A	[02A]	04A	04A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.7	0.04
	04A	[02A]	02A	04A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.8	-0.02
2A-2A-[4A]-[4A]	02A	02A	[04A]	[04A]				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.6	-0.06
	[04A]	02A	02A	[04A]				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.7	-0.10
[2A]-2A-[4A]-4A	[02A]	02A	[04A]	04A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.6	-0.10
	02A	[02A]	[04A]	04A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.8	0.10
	[04A]	[02A]	02A	04A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.8	-0.02
	04A	[02A]	02A	[04A]				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.7	-0.10
[2A]-[2A]-4A-4A	[02A]	[02A]	04A	04A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.7	0.00
	04A	[02A]	[02A]	04A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.7	-0.12
[2A]-2A-[4A]-[4A]	[02A]	02A	[04A]	[04A]				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.7	0.00
	02A	[02A]	[04A]	[04A]				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.8	0.07
	[04A]	[02A]	02A	[04A]				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.8	0.01
[2A]-[2A]-[4A]-4A	[02A]	[02A]	[04A]	04A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.7	0.01
	[04A]	[02A]	[02A]	04A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.6	-0.16
	04A	[02A]	[02A]	[04A]				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.8	-0.02
[2A]-[2A]-[4A]-[4A]	[02A]	[02A]	[04A]	[04A]				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2350	2150										23.7	23.6	-0.06
	[04A]	[02A]	[02A]	[04A]				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2350	2150										23.8	23.6	-0.16
2A-2A-[4A]-5A	02A	02A	[04A]	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2525	881.5										23.7	23.8	0.10
	[04A]	02A	02A	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2525	881.5										23.8	23.7	-0.08
	05A	02A	02A	[04A]				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	2175	2132.5										23.6	23.6	-0.10
[2A]-2A-4A-5A	[02A]	02A	04A	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2525	881.5										23.7	23.7	-0.05
	02A	[02A]	04A	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2525	881.5										23.7	23.8	0.10
	04A	[02A]	02A	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2525	881.5										23.8	23.7	-0.05
	05A	[02A]	02A	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	2175	2132.5										23.6	23.6	-0.07
[2A]-2A-[4A]-5A	[02A]	02A	[04A]	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2525	881.5										23.7	23.8	0.07
	02A	[02A]	[04A]	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2525	881.5										23.7	23.6	-0.13
	[04A]	[02A]	02A	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2525	881.5										23.8	23.8	-0.03
	05A	[02A]	02A	[04A]				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	2175	2132.5										23.6	23.6	-0.03
[2A]-[2A]-4A-5A	[02A]	[02A]	04A	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2525	881.5										23.7	23.7	-0.01
	04A	[02A]	[02A]	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2525	881.5										23.8	23.9	0.09
	05A	[02A]	[02A]	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	2175	2132.5										23.6	23.5	-0.15

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

E-UTRA CA configuration (BCS)	Bands							UL					DL																					LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC					PCC			SCC1			SCC2			SCC3			SCC4			SCC5			SCC6					
	1st	2nd	3rd	4th	5th	6th	7th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)			
[2A]-[2A]-[4A]-5A	[02A]	[02A]	[04A]	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	2175	2132.5	10	2525	881.5										23.7	23.8	0.10
	[04A]	[02A]	[02A]	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	20	1100	1980	10	2525	881.5										23.8	23.8	-0.03
	05A	[02A]	[02A]	[04A]				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	2175	2132.5										23.6	23.6	-0.10
[2A]-2A-46C	[02A]	02A	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5	20	50467	5517.7										23.7	23.7	0.03
	02A	[02A]	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5	20	50467	5517.7										23.7	23.7	-0.01
[2A]-[2A]-46C	[02A]	[02A]	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5	20	50467	5517.7										23.7	23.7	-0.02
[2A]-4A-4A-5A	[02A]	04A	04A	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	2350	2150	10	2525	881.5										23.7	23.8	0.08
	04A	[02A]	04A	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	2350	2150	10	2525	881.5										23.8	23.7	-0.06
	05A	[02A]	04A	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	2175	2132.5	10	2350	2150										23.6	23.6	-0.05
2A-[4A]-[4A]-5A	02A	[04A]	[04A]	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	2350	2150	10	2525	881.5										23.7	23.7	0.01
	[04A]	02A	[04A]	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	2350	2150	10	2525	881.5										23.8	23.8	0.05
	05A	02A	[04A]	[04A]				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	2175	2132.5	10	2350	2150										23.6	23.7	0.05
[2A]-[4A]-4A-5A	[02A]	[04A]	04A	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	2350	2150	10	2525	881.5										23.7	23.7	-0.04
	[04A]	[02A]	04A	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	2350	2150	10	2525	881.5										23.8	23.7	-0.10
	04A	[02A]	[04A]	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	2350	2150	10	2525	881.5										23.8	23.8	-0.02
	05A	[02A]	[04A]	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	2175	2132.5	10	2350	2150										23.6	23.6	-0.08
[2A]-[4A]-[4A]-5A	[02A]	[04A]	[04A]	05A				QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	2350	2150	10	2525	881.5										23.7	23.6	-0.08
	[04A]	[02A]	[04A]	05A				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	2350	2150	10	2525	881.5										23.8	23.7	-0.05
	05A	[02A]	[04A]	[04A]				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	2175	2132.5	10	2350	2150										23.6	23.6	-0.10
2A-[4A]-5B	02A	[04A]	05B	05B				QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	2600	889	10	2501	879.1										23.7	23.7	0.02
	[04A]	02A	05B	05B				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	2600	889	10	2501	879.1										23.8	23.8	-0.01
	05B	05B	02A	[04A]				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	2175	2132.5										23.6	23.6	-0.05
[2A]-4A-5B	[02A]	04A	05B	05B				QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	2600	889	10	2501	879.1										23.7	23.6	-0.09
	04A	[02A]	05B	05B				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	2600	889	10	2501	879.1										23.8	23.8	0.01
	05B	05B	[02A]	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	2175	2132.5										23.6	23.6	-0.09
[2A]-[4A]-5B	[02A]	[04A]	05B	05B				QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	2600	889	10	2501	879.1										23.7	23.8	0.06
	[04A]	[02A]	05B	05B				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	900	1960	10	2600	889	10	2501	879.1										23.8	23.9	0.06
	05B	05B	[02A]	[04A]				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	2175	2132.5										23.6	23.6	-0.10
[2A]-5A-46C	[02A]	05A	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7										23.7	23.7	-0.02
	05A	[02A]	46C	46C				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7										23.6	23.6	-0.07
[2A]-13A-46C	[02A]	13A	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7										23.7	23.8	0.07
	13A	[02A]	46C	46C				QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7										23.6	23.6	-0.02
2A-13A-[66C]	02A	13A	[66C]	[66C]				QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	66786	2145	20	66984	2164.8										23.7	23.6	-0.08
	13A	02A	[66C]	[66C]				QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	66786	2145	20	66984	2164.8										23.6	23.6	-0.06
	[66C]	[66C]	02A	13A				QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	10	5230	751										23.8	23.8	-0.04
[2A]-13A-66C	[02A]	13A	66C	66C				QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	66786	2145	20	66984	2164.8										23.7	23.6	-0.07
	13A	[02A]	66C	66C				QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	66786	2145	20	66984	2164.8										23.6	23.7	0.05
	66C	66C	[02A]	13A				QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	10	5230	751										23.8	23.8	-0.04
[2A]-13A-[66C]	[02A]	13A	[66C]	[66C]				QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	66786	2145	20	66984	2164.8										23.7	23.6	-0.06
	13A	[02A]	[66C]	[66C]				QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	66786	2145	20	66984	2164.8										23.6	23.6	0.01
	[66C]	[66C]	[02A]	13A				QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	10	5230	751										23.8	23.8	-0.02
[2A]-46A-46C	[02A]	46A	46C	46C				QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	53540	5825	20	53342	5805.2										23.7	23.7	-0.05
2A-46C-[66A]	02A	46C	46C	[66A]				QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	66786	2145										23.7	23.8	0.10
	[66A]	02A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	50665	5537.5	20	50467	5517.7										23.8	23.8	-0.02
[2A]-46C-66A	[02A]	46C	46C	66A				QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	66786	2145										23.7	23.8	0.07
	66A	[02A]	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	50665	5537.5	20	50467	5517.7										23.8	23.8	-0.02
[2A]-46C-[66A]	[02A]	46C	46C	[66A]				QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	66786	2145										23.7	23.7	-0.04
	[66A]	[02A]	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	50665	5537.5	20	50467	5517.7										23.8	23.7	-0.08
[4A]-4A-5B	[04A]	04A	05B	05B				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	10	2600	889	10	2501	879.1										23.8	23.7	-0.08
	04A	[04A]	05B	05B				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	10	2600	889	10	2501	879.1										23.8	23.7	-0.09
	05B	05B	[04A]	04A				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	2175	2132.5	10	2350	2150										23.6	23.7	0.03
[4A]-[4A]-5B	[04A]	[04A]	05B	05B				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	10	2350	2150	10	2600	889	10	2501	879.1										23.8	23.7	-0.06
	05B	05B	[04A]	[04A]				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	2175	2132.5	10	2350	2150										23.6	23.6	-0.03
[4A]-46A-46C	[04A]	46A	46C	46C				QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	50665	5537.5	20	53540	5825	20	53342	5805.2										23.8	23.8	-0.02
5A-5A-[66B]	05A	05A	[66B]	[66B]				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2625	891.5	15	66786	2145	5	66879	2154.3										23.6	23.6	-0.03
	[66B]	[66B]	05A	05A				QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	10	2600	889	10	2450	874										23.8	23.8	-0.05
5A-5A-[66C]	05A	05A	[66C]	[66C]				QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2625	891.5	20	66786	2145	20	66984	2164.8										23.6	23.7	0.04
	[66C]	[66C]	05A	05A				QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	10	2600	889	10	2450	874										23.8	23.8	-0.05
5A-46C-[66A]	05A	46C	46C	[66A]				QPSK	10	20525	836.5	1/49	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	66786	2145										23.6	23.6	-0.08
	[66A]	05A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	10	2525	881.5	20	50665	5537.5	20	50467	5517.7										23.8	23.7	-0.09
13A-46C-[66A]	13A	46C	46C	[66A]				QPSK	10	23230	782	1/0	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	66786	2145										23.6	23.6	0.02
	[66A]	13A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	10	5230	751	20	50665	5537.5	20	50467	5517.7										23.8	23.8	-0.04
[66A]-46A-46C	[66A]	46A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	50665	5537.5	20	53540	5825	20	53342	5805.2										23.8	23.8	-0.04
[66A]-66A-46C	[66A]	66A	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	50665	5537.5	20	50467	5517.7										23.8	23.7	-0.10
	66A	[66A]	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	50665	5537.5	20	50467	5517.7										23.8	23.8	-0.07
[66A]-[66A]-46C	[66A]	[66A]	46C	46C				QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	50665	5537.5	20	50467	5517.7										23.8	23.8	0.01
2A-2A-5A-[66A]-66A	02A	02A	05A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.8	0.08
	05A	02A	02A	[66A]	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.08
	[66A]	02A	02A	05A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.02
	66A	02A	02A	05A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.05
[2A]-2A-5A-66A-66A	[02A]	02A	05A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.8	0.06
	02A	[02A]	05A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.7	0.01
	05A	[02A]	02A	66A	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.6	-0.07
	66A	[02A]	02A	05A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.06
2A-2A-5A-[66A]-[66A]	02A	02A	05A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.8	-0.09
	05A	02A	02A	[66A]	[66A]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.01
	[66A]	02A	02A	05A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.02
[2A]-2A-5A-[66A]-66A	[02A]	02A	05A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.7	0.00
	02A	[02A]	05A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.7	-0.04
	05A	[02A]	02A	[66A]	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.02
	[66A]	[02A]	02A	05A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.03
	66A	[02A]	02A	05A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.05
[2A]-[2A]-5A-66A-66A	[02A]	02A	05A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.6	-0.09
	05A	[02A]	[02A]	66A	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.07
	66A	[02A]	[02A]	05A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.02
[2A]-2A-5A-[66A]-[66A]	[02A]	02A	05A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.9	0.20
	02A	[02A]	05A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05A	[02A]	02A	[66A]	[66A]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	[66A]	[02A]	02A	05A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.02

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

E-UTRA CA configuration (BCS)	Bands							UL					DL																								LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC					PCC			SCC1			SCC2			SCC3			SCC4			SCC5			SCC6					
	1st	2nd	3rd	4th	5th	6th	7th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)			
[2A]-[2A]-5A-[66A]-66A	[02A]	[02A]	05A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05A	[02A]	[02A]	[66A]	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	[66A]	[02A]	[02A]	05A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.02
	66A	[02A]	[02A]	05A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-5A-[66A]-[66A]	[02A]	[02A]	05A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05A	[02A]	[02A]	[66A]	[66A]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.6	-0.05
	[66A]	[02A]	[02A]	05A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2525	881.5	20	66786	2145							23.8	23.8	-0.02
2A-2A-5A-[66B]	02A	02A	05A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	05A	02A	02A	[66B]	[66B]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.7	0.05
	[66B]	[66B]	02A	02A	05A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.8	-0.01
[2A]-2A-5A-66B	[02A]	02A	05A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	02A	[02A]	05A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	05A	[02A]	02A	66B	66B			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.7	0.05
	66B	66B	[02A]	02A	05A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.8	-0.01
[2A]-2A-5A-[66B]	[02A]	02A	05A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	02A	[02A]	05A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	05A	[02A]	02A	[66B]	[66B]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.7	0.05
	[66B]	[66B]	[02A]	02A	05A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.9	0.09
[2A]-[2A]-5A-66B	[02A]	[02A]	05A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	05A	[02A]	[02A]	66B	66B			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.7	0.05
	66B	66B	[02A]	[02A]	05A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.9	0.09
[2A]-[2A]-5A-[66B]	[02A]	[02A]	05A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	05A	[02A]	[02A]	66B]	[66B]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.8	0.15
	[66B]	[66B]	[02A]	[02A]	05A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.9	0.09
2A-2A-5A-[66C]	02A	02A	05A	[66C]	[66C]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	05A	02A	02A	[66C]	[66C]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	66984	2164.8							23.6	23.7	0.05
	[66C]	[66C]	02A	02A	05A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.8	-0.02
[2A]-2A-5A-66C	[02A]	02A	05A	66C	66C			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	02A	[02A]	05A	66C	66C			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	05A	[02A]	02A	66C	66C			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	66984	2164.8							23.6	23.7	0.05
	66C	66C	[02A]	02A	05A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.9	0.08
[2A]-2A-5A-[66C]	[02A]	02A	05A	[66C]	[66C]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	02A	[02A]	05A	[66C]	[66C]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	05A	[02A]	02A	[66C]	[66C]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	66984	2164.8							23.6	23.7	0.05
	[66C]	[66C]	[02A]	02A	05A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.9	0.08
[2A]-[2A]-5A-66C	[02A]	[02A]	05A	66C	66C			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	05A	[02A]	[02A]	66C	66C			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	66984	2164.8							23.6	23.7	0.05
	66C	66C	[02A]	[02A]	05A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.9	0.08
[2A]-[2A]-5A-[66C]	[02A]	[02A]	05A	[66C]	[66C]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2525	881.5	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	05A	[02A]	[02A]	[66C]	[66C]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	1100	1980	20	66786	2145	20	66984	2164.8							23.6	23.7	0.05
	[66C]	[66C]	[02A]	02A	05A			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	20	1100	1980	10	2525	881.5							23.8	23.0	-0.82
2A-2A-5B-[66A]	02A	02A	05B	05B	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.7	23.8	0.10
	05B	05B	02A	02A	[66A]			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	1100	1980	20	66786	2145							23.6	23.7	0.05
	[66A]	02A	02A	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2600	889	10	2501	879.1							23.8	23.9	0.08
[2A]-2A-5B-66A	[02A]	02A	05B	05B	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.7	23.8	0.10
	02A	[02A]	05B	05B	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.7	23.8	0.10
	05B	05B	[02A]	02A	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	1100	1980	20	66786	2145							23.6	23.7	0.05
	66A	[02A]	02A	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2600	889	10	2501	879.1							23.8	23.9	0.08
[2A]-2A-5B-[66A]	[02A]	02A	05B	05B	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.7	23.8	0.10
	02A	[02A]	05B	05B	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.7	23.8	0.10
	05B	05B	[02A]	02A	[66A]			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	1100	1980	20	66786	2145							23.6	23.7	0.05
	66A	[02A]	02A	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2600	889	10	2501	879.1							23.8	23.9	0.08
[2A]-[2A]-5B-66A	[02A]	[02A]	05B	05B	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.7	23.8	0.10
	05B	05B	[02A]	[02A]	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	1100	1980	20	66786	2145							23.6	23.7	0.05
	66A	[02A]	[02A]	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	2600	889	10	2501	879.1							23.8	23.8	-0.02
2A-2A-12A-[66A]-66A	02A	02A	12A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	12A	02A	02A	[66A]	66A			QPSK	10	23095	707.5	1/0	10	5095	737.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.8	23.9	0.08
	[66A]	02A	02A	12A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5095	737.5	20	66786	2145							23.8	23.9	0.08
	66A	02A	02A	12A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5095	737.5	20	66786	2145							23.8	23.9	0.08
[2A]-2A-12A-66A-66A	[02A]	02A	12A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	02A	[02A]	12A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	12A	[02A]	02A	66A	66A			QPSK	10	23095	707.5	1/0	10	5095	737.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.8	23.9	0.08
	66A	[02A]	02A	12A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5095	737.5	20	66786	2145							23.8	23.9	0.08
2A-2A-12A-[66A]-[66A]	02A	02A	12A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	12A	02A	02A	[66A]	[66A]			QPSK	10	23095	707.5	1/0	10	5095	737.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.8	23.9	0.08
	[66A]	02A	02A	12A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5095	737.5	20	66786	2145							23.8	23.9	0.08
[2A]-2A-12A-[66A]-66A	[02A]	02A	12A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	02A	[02A]	12A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	12A	[02A]	02A	[66A]	66A			QPSK	10	23095	707.5	1/0	10	5095	737.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.8	23.9	0.08
	[66A]	[02A]	02A	12A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5095	737.5	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-12A-66A-66A	[02A]	[02A]	12A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	12A	[02A]	[02A]	66A	66A			QPSK	10	23095	707.5	1/0	10	5095	737.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.8	23.9	0.08
	66A	[02A]	[02A]	12A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5095	737.5	20	66786	2145							23.8	23.9	0.08
[2A]-2A-12A-[66A]-[66A]	[02A]	02A	12A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	02A	[02A]	12A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	12A	[02A]	02A	[66A]	[66A]			QPSK	10	23095	707.5	1/0	10	5095	737.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.8	23.9	0.08
	[66A]	[02A]	02A	12A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5095	737.5	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-12A-[66A]-66A	[02A]	02A	12A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	12A	[02A]	[02A]	66A	66A			QPSK	10	23095	707.5	1/0	10	5095	737.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.8	23.9	0.08
	[66A]	[02A]	[02A]	12A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5095	737.5	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-12A-[66A]-[66A]	[02A]	[02A]	12A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5095	737.5	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	12A	[02A]	[02A]	[66A]	[66A]			QPSK	10	23095	707.5	1/0	10	5095	737.5	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.8	23.9	0.08
	[66A]	[02A]	[02A]	12A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5095	737.5	20	66786	2145							23.8	23.9	0.08

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

E-UTRA CA configuration (BCS)	Bands							UL					DL																					LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC					PCC			SCC1			SCC2			SCC3			SCC4			SCC5			SCC6					
	1st	2nd	3rd	4th	5th	6th	7th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)			
2A-2A-13A-[66A]-66A	02A	02A	13A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	02A	02A	[66A]	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	[66A]	02A	02A	13A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
	66A	02A	02A	13A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
[2A]-2A-13A-66A-66A	[02A]	02A	13A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	02A	[02A]	13A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	[02A]	02A	66A	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	66A	[02A]	02A	13A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
2A-2A-13A-[66A]-[66A]	02A	02A	13A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	02A	02A	[66A]	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	[66A]	02A	02A	13A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
[2A]-2A-13A-[66A]-66A	[02A]	02A	13A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	02A	[02A]	13A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	[02A]	02A	[66A]	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	[66A]	[02A]	02A	13A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
66A	[02A]	02A	13A	66A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-13A-66A-66A	[02A]	02A	13A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	[02A]	02A	66A	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	66A	[02A]	02A	13A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
2A-2A-13A-[66A]-[66A]	[02A]	02A	13A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	02A	02A	[66A]	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	[66A]	02A	02A	13A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-13A-[66A]-66A	[02A]	02A	13A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	[02A]	[02A]	66A	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	66A	[02A]	[02A]	13A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
[2A]-2A-13A-[66A]-[66A]	[02A]	02A	13A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	02A	[02A]	13A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	[02A]	02A	[66A]	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	[66A]	[02A]	02A	13A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-13A-[66A]-66A	[02A]	[02A]	13A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	[02A]	[02A]	66A	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	66A	[02A]	[02A]	13A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-13A-[66A]-[66A]	[02A]	02A	13A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	02A	[02A]	13A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	[02A]	02A	[66A]	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	[66A]	[02A]	02A	13A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-13A-[66A]-66A	[02A]	[02A]	13A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	13A	[02A]	[02A]	66A	66A			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.6	23.7	0.09
	66A	[02A]	[02A]	13A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5230	751	20	66786	2145							23.8	23.9	0.08
2A-2A-13A-[66B]	02A	02A	13A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	13A	02A	02A	[66B]	[66B]			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.7	0.09
	[66B]	[66B]	02A	02A	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	5230	751							23.8	23.9	0.09
[2A]-2A-13A-66B	[02A]	02A	13A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	02A	[02A]	13A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	13A	[02A]	02A	66B	66B			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.7	0.09
	66B	66B	[02A]	02A	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	5230	751							23.8	23.9	0.09
[2A]-2A-13A-[66B]	[02A]	02A	13A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	02A	[02A]	13A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	13A	[02A]	02A	[66B]	[66B]			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.7	0.09
	[66B]	[66B]	[02A]	02A	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	5230	751							23.8	23.9	0.09
[2A]-[2A]-13A-66B	[02A]	[02A]	13A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	13A	[02A]	[02A]	66B	66B			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.7	0.09
	66B	66B	[02A]	[02A]	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	5230	751							23.8	23.9	0.09
[2A]-[2A]-13A-[66B]	[02A]	[02A]	13A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5230	751	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	13A	[02A]	[02A]	[66B]	[66B]			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	1100	1980	15	66786	2145	5	66879	2154.3							23.6	23.7	0.09
	[66B]	[66B]	[02A]	[02A]	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	20	1100	1980	10	5230	751							23.8	23.9	0.09
2A-2A-14A-[66A]-66A	02A	02A	14A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	14A	02A	02A	[66A]	66A			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.04
	[66A]	02A	02A	14A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.9	0.08
66A	02A	02A	14A	14A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.9	0.08
[2A]-2A-14A-66A-66A	[02A]	02A	14A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	02A	[02A]	14A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	14A	[02A]	02A	66A	66A			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.04
	66A	[02A]	02A	14A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.8	-0.02
2A-2A-14A-[66A]-[66A]	02A	02A	14A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	14A	02A	02A	[66A]	[66A]			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.04
	[66A]	02A	02A	14A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.9	0.08
[2A]-2A-14A-[66A]-66A	[02A]	02A	14A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.6	-0.10
	02A	[02A]	14A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	14A	[02A]	02A	[66A]	66A			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.04
	[66A]	[02A]	02A	14A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.9	0.08
	66A	[02A]	02A	14A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.9	0.08
[2A]-[2A]-14A-66A-66A	[02A]	[02A]	14A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	14A	[02A]	[02A]	66A	66A			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.04
	66A	[02A]	[02A]	14A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.8	-0.02
[2A]-2A-14A-[66A]-[66A]	02A	02A	14A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	02A	[02A]	14A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	14A	[02A]	02A	[66A]	66A			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.04
	[66A]	[02A]	02A	14A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.8	-0.02
[2A]-[2A]-14A-66A-66A	[02A]	[02A]	14A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	14A	[02A]	[02A]	66A	66A			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.04
	66A	[02A]	[02A]	14A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.8	-0.02
[2A]-[2A]-14A-66A-66A	02A	[02A]	14A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	14A	[02A]	[02A]	66A	66A			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.04
	66A	[02A]	[02A]	14A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.8	-0.02
[2A]-[2A]-14A-66A-66A	02A	[02A]	14A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	10	5330	763	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	14A	[02A]	[02A]	66A	66A			QPSK	10	23330	793	1/0	10	5330	763	20	900	1960	20	1100	1980	20	66786	2145	20	67036	2170							23.7	23.7	0.04
	66A	[02A]	[02A]	14A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	20	1100	1980	10	5330	763	20	66786	2145							23.8	23.9	0.08
[2A]-2A-46D	[02A]	02A	46D	46D	46D			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3							23.7	23.8	0.10
	02A	[02A]	46D	46D	46D			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3							23.7	23.8	0.10
[2A]-[2A]-46D	[02A]	[02A]	46D	46D	46D			QPSK	20	18700	1860	1/0	20	700	1940	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3							23.7	23.8	0.10
2A-5A-5A-[66A]-66A	02A	05A	05A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2450	874	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05A	02A	05A	[66A]	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	5	2597	889	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	[66A]	02A	05A	05A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2450	874	20	66786	2145							23.8	23.8	-0.02
66A	02A	05A	05A	[66A]				QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2450	874	20	66786	2145							23.8	23.8	-0.02
[2A]-5A-5A-66A-66A	[02A]	05A	05A	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2450	874	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05A	[02A]	05A	66A	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	5	2597	889	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	66A	[02A]	05A	05A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2450	874	20	66786	2145							23.8	23.8	-0.02

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

E-UTRA CA configuration (BCS)	Bands							UL					DL																								LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC					PCC			SCC1			SCC2			SCC3			SCC4			SCC5			SCC6					
	1st	2nd	3rd	4th	5th	6th	7th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)			
2A-5A-5A-[66A]-[66A]	02A	05A	05A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2450	874	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05A	02A	05A	[66A]	[66A]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	5	2597	889	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	[66A]	02A	05A	05A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2450	874	20	66786	2145							23.8	23.8	-0.02
[2A]-5A-5A-[66A]-66A	[02A]	05A	05A	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2450	874	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05A	[02A]	05A	[66A]	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	5	2597	889	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	[66A]	[02A]	05A	05A	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2450	874	20	66786	2145							23.8	23.9	0.08
	66A	[02A]	05A	05A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2450	874	20	66786	2145							23.8	23.8	-0.02
[2A]-5A-5A-[66A]-[66A]	[02A]	05A	05A	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2450	874	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05A	[02A]	05A	[66A]	[66A]			QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	5	2597	889	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	[66A]	[02A]	05A	05A	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2450	874	20	66786	2145							23.8	23.9	0.08
2A-5B-[66A]-66A	02A	05B	05B	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05B	05B	02A	[66A]	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	[66A]	02A	05B	05B	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.8	23.9	0.08
	66A	02A	05B	05B	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.8	23.9	0.08
[2A]-5B-66A-66A	[02A]	05B	05B	66A	66A			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05B	05B	[02A]	66A	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	66A	[02A]	05B	05B	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.8	23.8	-0.02
2A-5B-[66A]-[66A]	02A	05B	05B	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05B	05B	02A	[66A]	[66A]			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	[66A]	02A	05B	05B	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.8	23.9	0.08
[2A]-5B-[66A]-66A	[02A]	05B	05B	[66A]	66A			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05B	05B	[02A]	[66A]	66A			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	66A	[02A]	05B	05B	66A			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.8	23.9	0.08
	66A	[02A]	05B	05B	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.8	23.8	-0.02
[2A]-5B-[66A]-[66A]	[02A]	05B	05B	[66A]	[66A]			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	67036	2170							23.7	23.8	0.10
	05B	05B	[02A]	[66A]	[66A]			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	67036	2170							23.6	23.7	0.05
	[66A]	[02A]	05B	05B	[66A]			QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2600	889	10	2501	879.1	20	66786	2145							23.8	23.9	0.08
2A-5B-[66B]	02A	05B	05B	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	05B	05B	02A	[66B]	[66B]			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	889	20	900	1960	15	66786	2145	5	66879	2154.3							23.6	23.7	0.05
	[66B]	[66B]	02A	05B	05B			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	10	2600	889	10	2501	879.1							23.8	23.9	0.09
[2A]-5B-66B	[02A]	05B	05B	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	05B	05B	[02A]	66B	66B			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	15	66786	2145	5	66879	2154.3							23.6	23.7	0.05
	66B	66B	[02A]	05B	05B			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	10	2600	889	10	2501	879.1							23.8	23.9	0.09
[2A]-5B-[66B]	[02A]	05B	05B	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	15	66786	2145	5	66879	2154.3							23.7	23.8	0.10
	05B	05B	[02A]	[66B]	[66B]			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	15	66786	2145	5	66879	2154.3							23.6	23.7	0.05
	[66B]	[66B]	[02A]	05B	05B			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	900	1960	10	2600	889	10	2501	879.1							23.8	23.8	-0.01
2A-5B-[66C]	02A	05B	05B	[66C]	[66C]			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	05B	05B	02A	[66C]	[66C]			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	66984	2164.8							23.6	23.7	0.05
	[66C]	[66C]	02A	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	10	2600	889	10	2501	879.1							23.8	23.9	0.08
[2A]-5B-66C	[02A]	05B	05B	66C	66C			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	05B	05B	[02A]	66C	66C			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	66984	2164.8							23.6	23.7	0.05
	66C	66C	[02A]	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	10	2600	889	10	2501	879.1							23.8	23.8	-0.02
[2A]-5B-[66C]	[02A]	05B	05B	[66C]	[66C]			QPSK	20	18700	1860	1/0	20	700	1940	10	2600	889	10	2501	879.1	20	66786	2145	20	66984	2164.8							23.7	23.8	0.10
	05B	05B	[02A]	66C	66C			QPSK	10	20525	836.5	1/49	10	2525	881.5	5	2597	888.7	20	900	1960	20	66786	2145	20	66984	2164.8							23.6	23.6	-0.05
	[66C]	[66C]	[02A]	05B	05B			QPSK	20	132072	1720	1/49	20	66536	2120	20	66734	2139.8	20	900	1960	10	2600	889	10	2501	879.1							23.8	23.9	0.08
2A-13A-66A-[66B]	02A	13A	66A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	67036	2170	15	66786	2145	5	66693	2135.7							23.7	23.8	0.10
	13A	02A	66A	[66B]	[66B]			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	67036	2170	15	66786	2145	5	66693	2135.7							23.6	23.7	0.09
	66A	[66B]	[66B]	02A	13A			QPSK	20	132072	1720	1/49	20	66536	2120	15	66786	2145	5	66879	2154.3	20	900	1960	10	5230	751							23.8	23.8	-0.02
	[66B]	[66B]	66A	02A	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	67036	2170	20	900	1960	10	5230	751							23.8	23.8	-0.01
2A-13A-[66A]-66B	02A	13A	[66A]	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	67036	2170	15	66786	2145	5	66693	2135.7							23.7	23.8	0.10
	13A	02A	[66A]	66B	66B			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	67036	2170	15	66786	2145	5	66693	2135.7							23.6	23.7	0.09
	[66A]	66B	66B	02A	13A			QPSK	20	132072	1720	1/49	20	66536	2120	15	66786	2145	5	66879	2154.3	20	900	1960	10	5230	751							23.8	23.8	-0.02
	66B	66B	[66A]	02A	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	67036	2170	20	900	1960	10	5230	751							23.8	23.8	-0.01
2A-13A-[66A]-66B	[02A]	13A	66A	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	67036	2170	15	66786	2145	5	66693	2135.7							23.7	23.8	0.10
	13A	[02A]	66A	66B	66B			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	67036	2170	15	66786	2145	5	66693	2135.7							23.6	23.7	0.09
	66A	66B	66B	[02A]	13A			QPSK	20	132072	1720	1/49	20	66536	2120	15	66786	2145	5	66879	2154.3	20	900	1960	10	5230	751							23.8	23.9	0.08
	66B	66B	66A	[02A]	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	67036	2170	20	900	1960	10	5230	751							23.8	23.8	-0.01
2A-13A-[66A]-[66B]	02A	13A	[66A]	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	67036	2170	15	66786	2145	5	66693	2135.7							23.7	23.8	0.10
	13A	02A	[66A]	[66B]	[66B]			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	67036	2170	15	66786	2145	5	66693	2135.7							23.6	23.7	0.09
	[66A]	[66B]	[66B]	02A	13A			QPSK	20	132072	1720	1/49	20	66536	2120	15	66786	2145	5	66879	2154.3	20	900	1960	10	5230	751							23.8	23.9	0.08
	[66B]	[66B]	[66A]	02A	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	67036	2170	20	900	1960	10	5230	751							23.8	23.8	-0.01
[2A]-13A-66A-[66B]	[02A]	13A	66A	[66B]	[66B]			QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	67036	2170	15	66786	2145	5	66693	2135.7							23.7	23.8	0.10
	13A	[02A]	66A	[66B]	[66B]			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	67036	2170	15	66786	2145	5	66693	2135.7							23.6	23.7	0.09
	66A	66B	66B	[02A]	13A			QPSK	20	132072	1720	1/49	20	66536	2120	15	66786	2145	5	66879	2154.3	20	900	1960	10	5230	751							23.8	23.9	0.08
	66B	66B	[66A]	[02A]	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	67036	2170	20	900	1960	10	5230	751							23.8	23.8	-0.01
[2A]-13A-[66A]-66B	[02A]	13A	[66A]	66B	66B			QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	67036	2170	15	66786	2145	5	66693	2135.7							23.7	23.8	0.10
	13A	[02A]	[66A]	66B	66B			QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	67036	2170	15	66786	2145	5	66693	2135.7							23.6	23.7	0.09
	[66A]	66B	66B	[02A]	13A			QPSK	20	132072	1720	1/49	20	66536	2120	15	66786	2145	5	66879	2154.3	20	900	1960	10	5230	751							23.8	23.9	0.08
	66B	66B	[66A]	[02A]	13A			QPSK	15	132047	1717.5	1/37	15	66511	2117.5	5	66604	2126.8	20	67036	2170	20	900	1960	10	5230	751							23.8	23.8	-0.01
[2A]-46A-46D	[02A]	46A	46D	46D	46D			QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	53540	5825	20	53342	5805.2	20	53144	5785.4							23.7	23.8	0.10
[2A]-46C-46C	[02A]	46C	46C	46C	46C			QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	53540	5825	20	53342	5805.2							23.7	23.8	0.10
[4A]-46A-46D	[04A]	46A	46D	46D	46D			QPSK	20	20175	1732.5	1/49	20	2175	2132.5	20	50665	5537.5	20	53540	5825	20	53342	5805.2	20	53144	5785.4							23.8	23.8	0.01
[66A]-46A-46D	[66A]	46A	46D	46D	46D			QPSK	20	132072	1720	1/49	20	66536	2120	20	50665	5537.5	20	53540	5825	20	53342	5805.2	20	53144	5785.4							23.8	23.8	-0.02
[66A]-46C-46C	[66A]	46C	46C	46C	46C			QPSK	20	132072	1720	1/49	20	66536	2120	20	50665	5537.5	20	50467	5517.7	20	53540	5825	20	53342	5805.2							23.8	23.8	-0.02
[2A]-13A-46E	[02A]	13A	46E	46E	46E	46E		QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1				23.7	23.8	0.10
	13A	[02A]	46E	46E	46E	46E		QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1				23.6	23.7	0.09
13A-46E-[66A]	13A	46E	46E	46E	46E	[66A]		QPSK	10	23230	782	1/0	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145				23.6	23.7	0.09
	[66A]	13A	46E	46E	46E	46E		QPSK	20	132072	1720	1/49	20	66536	2120	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1				23.8	23.8	-0.02
2A-5A-46D-[66A]-66A	02A	05A	46D	46D	46D	[66A]	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	05A	02A	46D	46D	46D	[66A]	66A	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.6	-0.05
	[66A]	66A	02A	05A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
	66A	[66A]	02A	05A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02

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

E-UTRA CA configuration (BCS)	Bands							UL					DL																					LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC					PCC			SCC1			SCC2			SCC3			SCC4			SCC5			SCC6					
	1st	2nd	3rd	4th	5th	6th	7th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)			
[2A]-5A-46D-66A-66A	[02A]	05A	46D	46D	46D	66A	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	05A	[02A]	46D	46D	46D	66A	66A	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.7	0.05
	66A	66A	[02A]	05A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
2A-5A-46D-[66A]-[66A]	02A	05A	46D	46D	46D	[66A]	[66A]	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	05A	02A	46D	46D	46D	[66A]	[66A]	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.7	0.05
	[66A]	[66A]	02A	05A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
[2A]-5A-46D-[66A]-66A	[02A]	05A	46D	46D	46D	[66A]	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	05A	[02A]	46D	46D	46D	[66A]	66A	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.7	0.05
	[66A]	66A	[02A]	05A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
	66A	[66A]	[02A]	05A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
[2A]-5A-46D-[66A]-[66A]	[02A]	05A	46D	46D	46D	[66A]	[66A]	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	05A	[02A]	46D	46D	46D	[66A]	[66A]	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.7	0.05
	[66A]	[66A]	[02A]	05A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
2A-5A-46E-[66A]	02A	05A	46E	46E	46E	46E	[66A]	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	23.7	23.8	0.10
	05A	02A	46E	46E	46E	46E	[66A]	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	23.6	23.7	0.05
	[66A]	02A	05A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.9	0.08
[2A]-5A-46E-66A	[02A]	05A	46E	46E	46E	46E	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	23.7	23.8	0.10
	05A	[02A]	46E	46E	46E	46E	66A	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	23.6	23.7	0.05
	66A	[02A]	05A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
[2A]-5A-46E-[66A]	[02A]	05A	46E	46E	46E	46E	[66A]	QPSK	20	18700	1860	1/0	20	700	1940	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	23.7	23.8	0.10
	05A	[02A]	46E	46E	46E	46E	[66A]	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	23.6	23.6	-0.05
	[66A]	[02A]	05A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	900	1960	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
2A-13A-46D-[66A]-66A	02A	13A	46D	46D	46D	[66A]	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	13A	02A	46D	46D	46D	[66A]	66A	QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.7	0.09
	[66A]	66A	02A	13A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
	66A	[66A]	02A	13A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
[2A]-13A-46D-66A-66A	[02A]	13A	46D	46D	46D	66A	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	13A	[02A]	46D	46D	46D	66A	66A	QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.7	0.09
	66A	66A	[02A]	13A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
2A-13A-46D-[66A]-[66A]	02A	13A	46D	46D	46D	[66A]	[66A]	QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.7	0.00
	13A	02A	46D	46D	46D	[66A]	[66A]	QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.7	0.09
	[66A]	[66A]	02A	13A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
[2A]-13A-46D-[66A]-66A	[02A]	13A	46D	46D	46D	[66A]	66A	QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	13A	[02A]	46D	46D	46D	[66A]	66A	QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.7	0.09
	[66A]	66A	[02A]	13A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
	66A	[66A]	[02A]	13A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
[2A]-13A-46D-[66A]-[66A]	[02A]	13A	46D	46D	46D	[66A]	[66A]	QPSK	20	18700	1860	1/0	20	700	1940	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	13A	[02A]	46D	46D	46D	[66A]	[66A]	QPSK	10	23230	782	1/0	10	5230	751	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	66786	2145	20	67036	2170	23.6	23.7	0.09
	[66A]	[66A]	[02A]	13A	46D	46D	46D	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	10	5230	751	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	23.8	23.8	-0.02
2A-46E-[66A]-66A	02A	46E	46E	46E	46E	[66A]	66A	QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	[66A]	66A	02A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
	66A	[66A]	02A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
[2A]-46E-66A-66A	[02A]	46E	46E	46E	46E	66A	66A	QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	66A	66A	[02A]	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
2A-46E-[66A]-[66A]	02A	46E	46E	46E	46E	[66A]	[66A]	QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	[66A]	66A	02A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
	66A	[66A]	02A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
[2A]-46E-[66A]-66A	[02A]	46E	46E	46E	46E	[66A]	66A	QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	20	67036	2170	23.7	23.8	0.10
	[66A]	66A	[02A]	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
	66A	[66A]	[02A]	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
[2A]-46E-[66A]-[66A]	[02A]	46E	46E	46E	46E	[66A]	[66A]	QPSK	20	18700	1860	1/0	20	700	1940	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	20	67036	2170	23.7	23.9	0.18
	[66A]	[66A]	[02A]	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	20	900	1960	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
5A-46E-[66A]-66A	05A	46E	46E	46E	46E	[66A]	66A	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	20	67036	2170	23.6	23.6	-0.05
	[66A]	66A	05A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
	66A	[66A]	05A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-0.02
5A-46E-[66A]-[66A]	05A	46E	46E	46E	46E	[66A]	[66A]	QPSK	10	20525	836.5	1/49	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	20	66786	2145	20	67036	2170	23.6	23.7	0.05
	[66A]	[66A]	05A	46E	46E	46E	46E	QPSK	20	132072	1720	1/49	20	66536	2120	20	66786	2145	10	2525	881.5	20	50665	5537.5	20	50467	5517.7	20	50863	5557.3	20	51061	5577.1	23.8	23.8	-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.

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