LTE Downlink Carrier Aggregation configuration

1. DL Inter Band(2CC)

E-UTRA CA configuration	Bandwidth Combination Set	E-UTRA Band	Bandwidth						Max Aggregated BW
			1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
2A-4A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	40
		Band 4			Yes	Yes	Yes	Yes	
	(1)	Band 2			Yes	Yes			20
		Band 4			Yes	Yes			
	(2)	Band 2			Yes	Yes	Yes	Yes	40
		Band 4			Yes	Yes	Yes	Yes	
2A-5A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 5			Yes	Yes			
2A-12A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
	(1)	Band 2			Yes	Yes	Yes	Yes	30
		Band 12		Yes	Yes	Yes			
	(2)	Band 2			Yes	Yes			20
		Band 12			Yes	Yes			
2A-13A	(0)	Band 2			Yes	Yes	Yes	Yes	30
		Band 13				Yes			
	(1)	Band 2			Yes	Yes			20
		Band 13				Yes			
	(2)	Band 2			Yes	Yes	Yes	Yes	30
		Band 13			Yes	Yes			
2A-17A	(0)	Band 2			Yes	Yes			20
		Band 17			Yes	Yes			
2A-66A	(0)	Band 2	Yes	Yes	Yes	Yes	Yes	Yes	40
		Band 66			Yes	Yes	Yes	Yes	
	(1)	Band 2			Yes	Yes			20
		Band 66			Yes	Yes			
	(2)	Band 2			Yes	Yes	Yes	Yes	40
		Band 66			Yes	Yes	Yes	Yes	
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-12A	(0)	Band 4	Yes	Yes	Yes	Yes			20
		Band 12			Yes	Yes			
	(1)	Band 4	Yes	Yes	Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
	(2)	Band 4			Yes	Yes	Yes	Yes	30
		Band 12		Yes	Yes	Yes			
	(3)	Band 4			Yes	Yes			20
		Band 12			Yes	Yes			
	(4)	Band 4			Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
	(5)	Band 4			Yes	Yes	Yes		20
		Band 12			Yes				
4A-13A	(0)	Band 4			Yes	Yes	Yes	Yes	30
		Band 13				Yes			
	(1)	Band 4			Yes	Yes			20
		Band 13				Yes			
4A-17A	(0)	Band 4			Yes	Yes			20
		Band 17			Yes	Yes			
5A-41A	(0)	Band 5			Yes	Yes			20
		Band 41						Yes	
5A-66A	(0)	Band 5			Yes	Yes			30
		Band 66			Yes	Yes	Yes	Yes	
12A-25A	(0)	Band 12			Yes	Yes			30
		Band 25			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		
26A-41A	(0)	Band 26			Yes	Yes	Yes		35
		Band 41			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-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-66A	(0)	Band 2			Yes	Yes	Yes	Yes	50
		Band 5			Yes	Yes			
		Band 66			Yes	Yes	Yes	Yes	
4A-4A-12A	(0)	Band 4	4A-4A BCS 0						50
		Band 12			Yes	Yes			
5A-66A-66A	(0)	Band 5			Yes	Yes			50
		Band 66	66A-66A BCS 0						
12A-66A-66A	(0)	Band 12			Yes	Yes			50
		Band 66	66A-66A BCS 0						
26A-41C	(0)	Band 26			Yes	Yes	Yes		55
		Band 41	41C BCS 1						

3 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
4A-4A	(1)	Band 4	5, 10	5, 10			20
41A-41A	(0)	Band 41	10, 15, 20	10, 15, 20			40
	(1)	Band 41	5, 10, 15, 20	5, 10, 15, 20			40
66A-66A	(0)	Band 66	5, 10, 15, 20	5, 10, 15, 20			40
41A-41C	(0)	Band 41	5, 10, 15, 20	41 BCS1			60
		Band 41	41C BCS1	5, 10, 15, 20			60
41A-41D	(0)	Band 41	5, 10, 15, 20	41D BCS0			80
		Band 41	41D BCS0	5, 10, 15, 20			80
41C-41C	(0)	Band 41	41C BCS0	41C BCS0			80
41C-41D	(0)	Band 41	41C BCS0	41D BCS0			100
		Band 41	41D BCS0	41C BCS0			100

4. DL Intra Band(contiguous)

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

LTE Uplink Inter-band Carrier Aggregation

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	
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-12A	(0)	Band 4	Yes	Yes	Yes	Yes			20
		Band 12			Yes	Yes			
	(1)	Band 4	Yes	Yes	Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
	(2)	Band 4			Yes	Yes	Yes	Yes	30
		Band 12		Yes	Yes	Yes			
	(3)	Band 4			Yes	Yes			20
		Band 12			Yes	Yes			
	(4)	Band 4			Yes	Yes	Yes	Yes	30
		Band 12			Yes	Yes			
	(5)	Band 4			Yes	Yes	Yes		20
		Band 12			Yes				
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		

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 (5) downlinks.

LTE Release 10 Carrier Aggregation

Index	2CC	Restriction	Completely Covered by Measurement Superset
2CC#1	2A-2A		
2CC#2	2C		
2CC#3	2A-4A		3CC#1
2CC#4	2A-5A		3CC#1
2CC#5	2A-12A		
2CC#6	2A-13A		3CC#2
2CC#7	2A-17A		
2CC#8	2A-66A		3CC#3
2CC#9	4A-4A		3CC#4
2CC#10	4A-5A		3CC#1
2CC#11	4A-12A		3CC#4
2CC#12	4A-13A		3CC#2
2CC#13	4A-17A		
2CC#14	5A-41A	41A SCC only	
2CC#15	5A-66A		3CC#3
2CC#16	12A-25A		
2CC#17	12A-66A		3CC#6
2CC#18	26A-41A	41A SCC only	
2CC#19	41A-41A		
2CC#20	41C		3CC#8
2CC#21	66A-66A		3CC#5
2CC#22	66B		
2CC#23	66C		

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#1	2A-4A-5A		
3CC#2	2A-4A-13A		
3CC#3	2A-5A-66A		
3CC#4	4A-4A-12A		
3CC#5	5A-66A-66A		
3CC#6	12A-66A-66A		
3CC#7	26A-41C	41C SCC only	
3CC#8	41A-41C		
3CC#9	41D		4CC#1

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#1	41A-41D		
4CC#2	41C-41C		
4CC#3	41E		

Index	5CC	Restriction	Completely Covered by Measurement Superset
5CC#1	41C-41D		

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-[4A]		3CC#1
2CC#2	2A-[66A]		3CC#3
2CC#3	[4A]-[4A]		3CC#4
2CC#4	[4A]-5A		3CC#1
2CC#5	[4A]-12A		3CC#4
2CC#6	[4A]-13A		3CC#2
2CC#7	[4A]-17A		
2CC#8	5A-[41A]	41A SCC only	
2CC#9	5A-[66A]		3CC#5
2CC#10	12A-[66A]		3CC#6
2CC#11	26A-[41A]	41A SCC only	
2CC#12	[41A]-[41A]		
2CC#13	[41C]		3CC#8
2CC#14	[66A]-[66A]		3CC#5

Index	3CC	Restriction	Completely Covered by Measurement Superset
3CC#1	2A-[4A]-5A		
3CC#2	2A-[4A]-13A		
3CC#3	2A-5A-[66A]		
3CC#4	[4A]-[4A]-12A		
3CC#5	5A-[66A]-[66A]		
3CC#6	12A-[66A]-[66A]		
3CC#7	26A-[41C]	41C SCC only	
3CC#8	[41A]-[41C]		
3CC#9	[41D]		4CC#1

Index	4CC	Restriction	Completely Covered by Measurement Superset
4CC#1	[41A]-[41D]		
4CC#2	[41C]-[41C]		
4CC#3	[41E]		

Note:

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

Single Carrier Downlink 4x4 MIMO output power results

LTE Bands	Modulation	BW (MHz)	Channel	Freq. (MHz)	RB/Offset	LTE Rel 8 Tx. Power [dBm]	DL 4x4 MIMO Tx. Power [dBm]	Delta
Band 4	QPSK	20	20175	1732.5	1/99	22.7	22.8	0.03
Band 41	QPSK	20	41055	2636.5	1/0	24.7	24.6	-0.09
Band 66	QPSK	20	132072	1720	1/49	23.1	23.0	-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	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	2A	2A						QPSK	20	18700	1860	1/0	20	700	1940	20	1100	1980																22.68	22.74	0.06
2C	2C	2C						QPSK	20	18900	1880	1/99	20	900	1960	20	702	1940.2																22.68	22.73	0.05
2A-12A	2A	12A						QPSK	20	18700	1860	1/0	20	700	1940	10	5095	737.5																22.68	22.69	0.01
	12A	2A						QPSK	10	23095	707.5	1/49	10	5095	737.5	20	900	1960																23.81	23.761	-0.05
2A-17A	2A	17A						QPSK	10	18900	1880	1/99	10	900	1960	10	5790	740																22.68	22.67	-0.01
	17A	2A						QPSK	10	23790	710	1/25	10	5790	740	10	900	1960																23.91	23.96	0.05
4A-17A	4A	17A						QPSK	20	20175	1732.5	1/99	20	2175	2132.5	10	5790	740																22.72	22.765	0.04
	17A	4A						QPSK	10	23790	710	1/25	10	5790	740	10	2175	2132.5																23.91	23.97	0.06
5A-41A	5A	41A						QPSK	10	20525	836.5	1/0	10	2525	881.5	20	40620	2593																24.69	24.581	-0.11
12A-25A	12A	25A						QPSK	10	23095	707.5	1/49	10	5095	737.5	20	8365	1962.5																23.81	23.911	0.1
	25A	12A						QPSK	20	26140	1860	1/0	20	8140	1940	10	5095	737.5																22.80	22.745	-0.05
26A-41A	26A	41A						QPSK	15	26865	831.5	1/0	15	8865	876.5	20	40620	2593																24.13	24.15	0.02
41A-41A	41A	41A						QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	39750	2506																24.70	24.76	0.06
66B	66B	66B						QPSK	15	132322	1745	1/37	15	66786	2145	5	66693	2135.7																23.23	23.29	0.06
66C	66C	66C						QPSK	20	132322	1745	1/49	20	66786	2145	20	66588	2125.2																23.08	22.96	-0.12
2A-4A-5A	2A	4A	5A					QPSK	20	18900	1880	1/99	20	900	1960	20	2175	2132.5	10	2525	881.5													22.68	22.75	0.07
	4A	5A	2A					QPSK	20	20175	1732.5	1/99	20	2175	2132.5	10	2525	881.5	20	900	1960													22.72	22.785	0.06
	5A	2A	4A					QPSK	10	20525	836.5	1/0	10	2525	881.5	20	900	1960	20	2175	2132.5													24.69	24.721	0.03
2A-4A-13A	2A	4A	13A					QPSK	20	18700	1860	1/0	20	700	1940	20	2175	2132.5	10	5230	751													22.68	22.75	0.07
	4A	13A	2A					QPSK	20	20175	1732.5	1/99	20	2175	2132.5	10	5230	751	20	900	1960													22.72	22.715	-0.01
	13A	2A	4A					QPSK	10	23230	172	1/49	10	5230	751	20	900	1960	20	2175	2132.5													23.57	23.616	0.05
2A-5A-66A	2A	5A	66A					QPSK	20	18900	1880	1/99	20	900	1960	10	2525	881.5	20	66786	2145													22.68	22.63	-0.05
	5A	66A	2A					QPSK	10	20525	836.5	1/0	10	2525	881.5	20	66786	2145	20	900	1960													24.69	24.731	0.04
	66A	2A	5A					QPSK	20	132072	1720	1/0	20	66536	2120	20	900	1960	10	2525	881.5													23.08	23.13	0.05
4A-4A-12A	4A	4A	12A					QPSK	20	20050	1720	1/99	20	2050	2120	20	2300	2145	10	5095	737.5													22.72	22.665	-0.06
	12A	4A	4A					QPSK	10	23095	707.5	1/49	10	5095	737.5	20	2050	2120	20	2300	2145													23.81	23.851	0.04
5A-66A-66A	5A	66A	66A					QPSK	10	20525	836.5	1/0	10	2525	881.5	20	66536	2120	20	67036	2170													24.69	24.761	0.07
	66A	66A	5A					QPSK	20	132322	1745	1/49	20	66786	2145	20	67036	2170	10	2525	881.5													23.08	23.14	0.06
12A-66A-66A	12A	66A	66A					QPSK	10	23095	707.5	1/49	10	5095	737.5	20	66536	2120	20	67036	2170													23.81	23.821	0.01
	66A	66A	12A					QPSK	20	132322	1745	1/49	20	66786	2145	20	67036	2170	10	5095	737.5													23.08	23.13	0.05
26A-41C	26A	41C	41C					QPSK	15	26865	831.5	1/0	15	8865	876.5	20	40620	2593	20	40422	2573.2													24.13	24.14	0.01
41A-41C	41A	41C	41C					QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	39750	2506	20	39948	2525.8													24.70	24.68	-0.02
	41C	41C	41A					QPSK	20	41045	2635.5	1/0	20	41055	2636.5	20	41253	2656.3	20	39750	2506													24.70	24.72	0.02
41A-41D	41A	41D	41D	41D				QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	40185	2549.5	20	39987	2529.7	20	40383	2569.3										24.70	24.76	0.06
	41D	41D	41D	41A				QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	41253	2656.3	20	40857	2616.7	20	39750	2506										24.70	24.69	-0.01
41C-41C	41C	41C	41C	41C				QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	41253	2656.3	20	39948	2525.8	20	39750	2506										24.70	24.73	0.03
41E	41E	41E	41E	41E				QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	41253	2656.3	20	40857	2616.7	20	40659	2596.9										24.70	24.69	-0.01
41C-41D	41C	41C	41D	41D	41D			QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	41253	2656.3	20	40185	2549.5	20	40383	2569.3	20	39987	2529.7							24.70	24.73	0.03
	41D	41D	41D	41C	41C			QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	41253	2656.3	20	40857	2616.7	20	39750	2506	20	39948	2525.8							24.70	24.72	0.02

Note:

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

DL CA with 4x4 MIMO output power results

E-UTRA CA configuration (BCS)	Bands							UL					DL																					LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power	Delta
	PCC	SCC1	SCC2	SCC3	SCC4	SCC5	SCC6	PCC					PCC			SCC1			SCC2			SCC3			SCC4			SCC5			SCC6					
	1st	2nd	3rd	4th	5th	6th	7th	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)			
[4A]-17A	[4A]	17A						QPSK	10	20175	1732.5	1/99	10	2175	2132.5	10	5790	740																22.72	22.73	0.01
	17A	[4A]						QPSK	10	23790	710	1/25	10	5790	740	10	2175	2132.5																23.91	23.93	0.02
5A-[41A]	5A	[41A]						QPSK	10	20525	836.5	1/0	10	2525	881.5	20	40620	2593																24.69	24.68	-0.01
26A-[41A]	26A	[41A]						QPSK	15	26865	831.5	1/0	15	8865	876.5	20	40620	2593																24.07	24.04	-0.03
[41A]-[41A]	[41A]	[41A]						QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	39750	2506																24.70	24.66	-0.04
2A-[4A]-5A	2A	[4A]	5A					QPSK	20	18900	1880	1/99	20	900	1960	20	2175	2132.5	10	2525	881.5													22.68	22.69	0.01
	[4A]	5A	2A					QPSK	20	20175	1732.5	1/99	20	2175	2132.5	10	2525	881.5	20	900	1960													22.72	22.73	0.01
	5A	2A	[4A]					QPSK	10	20525	836.5	1/0	10	2525	881.5	20	900	1960	20	2175	2132.5													24.69	24.68	-0.01
2A-[4A]-13A	2A	[4A]	13A					QPSK	20	18900	1880	1/99	20	900	1960	20	2175	2132.5	10	5230	751													22.68	22.73	0.05
	[4A]	13A	2A					QPSK	20	20175	1732.5	1/99	20	2175	2132.5	10	5230	751	20	900	1960													22.72	22.73	0.01
	13A	2A	[4A]					QPSK	10	23230	172	1/49	10	5230	751	20	900	1960	20	2175	2132.5													23.57	23.60	0.03
2A-5A-[66A]	2A	5A	[66A]					QPSK	20	18900	1880	1/99	20	900	1960	10	2525	881.5	20	66786	2145													22.68	22.64	-0.04
	5A	[66A]	2A					QPSK	10	20525	836.5	1/0	10	2525	881.5	20	66786	2145	20	900	1960													24.69	24.63	-0.06
	[66A]	2A	5A					QPSK	20	132072	1720	1/0	20	66536	2120	20	900	1960	10	2525	881.5													23.08	23.15	0.07
[4A]-[4A]-12A	[4A]	[4A]	12A					QPSK	20	20175	1732.5	1/99	20	2175	2132.5	20	2300	2145	10	5095	737.5													22.72	22.82	0.1
	12A	[4A]	[4A]					QPSK	10	23095	707.5	1/49	10	5095	737.5	20	2050	2120	20	2300	2145													23.81	23.76	-0.05
5A-[66A]-[66A]	5A	[66A]	[66A]					QPSK	10	20525	836.5	1/0	10	2525	881.5	20	66536	2120	20	67036	2170													24.69	24.75	0.06
	[66A]	[66A]	5A					QPSK	20	132072	1720	1/49	20	66536	2120	20	67036	2170	10	2525	881.5													23.08	23.12	0.04
12A-[66A]-[66A]	12A	[66A]	[66A]					QPSK	10	23095	707.5	1/49	10	5095	737.5	20	66536	2120	20	67036	2170													23.81	23.84	0.03
	[66A]	[66A]	12A					QPSK	20	132072	1720	1/49	20	66536	2120	20	67036	2170	10	5095	737.5													23.08	23.06	-0.02
26A-[41C]	26A	[41C]	[41C]					QPSK	15	26865	831.5	1/0	15	8865	876.5	20	40620	2593	20	40422	2573.2													24.07	24.11	0.04
[41A]-[41C]	[41A]	[41C]	[41C]					QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	39750	2506	20	39948	2525.8													24.70	24.65	-0.05
	[41C]	[41C]	[41A]					QPSK	20	41045	2635.5	1/0	20	41055	2636.5	20	41253	2656.3	20	39750	2506													24.70	24.71	0.01
[41A]-[41D]	[41A]	[41D]	[41D]	[41D]				QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	40185	2549.5	20	39987	2529.7	20	40383	2569.3										24.70	24.76	0.06
	[41D]	[41D]	[41D]	[41A]				QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	41253	2656.3	20	40857	2616.7	20	39750	2506										24.70	24.63	-0.07
[41C]-[41C]	[41C]	[41C]	[41C]	[41C]				QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	41253	2656.3	20	39948	2525.8	20	39750	2506										24.70	24.74	0.04
[41E]	[41E]	[41E]	[41E]	[41E]				QPSK	20	41055	2636.5	1/0	20	41055	2636.5	20	41253	2656.3	20	40857	2616.7	20	40659	2596.9										24.70	24.75	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.

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