

Appendix D LTE Carrier Aggregation

D.1 LTE Downlink Carrier Aggregation configurations

1. DL Inter Band(2CC)

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

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
	(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
41A-41C	(0)	Band 41	5, 10, 15, 20	41C BCS 1			60
			41C BCS 1	5, 10, 15, 20			
41A-41D	(0)	Band 41	5, 10, 15, 20	41D BCS 0			80
			41D BCS 0	5, 10, 15, 20			
41C-41C	(0)	Band 41	41C BCS 0	41C BCS 0			40
66A-66A	(0)	Band 66	5, 10, 15, 20	5, 10, 15, 20			40

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				
			5	5, 10, 15				
66B	(0)	Band 66	10	5, 10				20
			15	5				
			5	20				
66C	(0)	Band 66	10	15,20				40
			15	10,15,20				
			20	5,10,15,20				
			10	20				
			15	15, 20				
41C	(0)	Band 41	20	10, 15, 20				40
			15	15, 20				
			20	5, 10, 15, 20				
			10	15, 20				
			15	10, 15, 20				
	(2)	Band 41	20	10, 15, 20				40
			15	15, 20				
			20	5, 10, 15, 20				
	(3)	Band 41	10	20				40
			20	20				
41E	(0)	Band 41	15, 20	15, 20	15, 20	20		80

D.2 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#2
2CC#4	2A-5A		3CC#3
2CC#5	2A-12A		
2CC#6	2A-13A		3CC#2
2CC#7	2A-66A		3CC#3
2CC#8	4A-4A		3CC#4
2CC#9	4A-5A		
2CC#10	4A-12A		3CC#4
2CC#11	4A-13A		
2CC#12	5A-41A	41A SCC only	
2CC#13	5A-66A		3CC#5
2CC#14	12A-66A		3CC#6
2CC#15	26A-41A	41A SCC only	
2CC#16	41A-41A		
2CC#17	41C		3CC#7
2CC#18	66A-66A		3CC#6
2CC#19	66B		
2CC#20	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		

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]-[4A]		3CC#5
2CC#5	[4A]-5A		3CC#1
2CC#6	[4A]-12A		3CC#4
2CC#7	[4A]-13A		3CC#2
2CC#8	5A-[41A]		
2CC#9	5A-[66A]		3CC#7
2CC#10	12A-[66A]		3CC#8
2CC#11	26A-[41A]	41A SCC only	
2CC#12	[41A]-41A		
2CC#13	[41A]-[41A]		
2CC#14	[41C]		3CC#12
2CC#15	[66A]-66A		3CC#8
2CC#16	[66A]-[66A]		3CC#9
2CC#17	[66B]		
2CC#18	[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	[4A]-[4A]-12A		
3CC#6	5A-[66A]-66A		
3CC#7	5A-[66A]-[66A]		
3CC#8	12A-[66A]-66A		
3CC#9	12A-[66A]-[66A]		
3CC#10	26A-[41C]	41A SCC only	
3CC#11	[41A]-41C		
3CC#12	41A-[41C]		
3CC#13	[41A]-[41C]		
3CC#14	[41D]		4CC#1

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

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
4	QPSK	20	20175	1732.5	1/49	23.6	23.5	-0.09
41	QPSK	20	40620	2593	1/0	24.6	24.5	-0.10
66	QPSK	20	132322	1745	1/99	24.0	24.0	-0.04

Note:

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

D.3 DL CA output power results

E-UTRA CA configuration (BCS)	Bands				UL						DL											LTE Rel 8 Tx. Power [dBm]	LTE Rel 10 Tx. Power [dBm]	Delta		
	PCC	SCC1	SCC2	SCC3	PCC						PCC			SCC1			SCC2			SCC3						
	1st	2nd	3rd	4th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB location	RB Offset	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	99	20	700	1940	20	1100	1980							24.47	24.42	-0.05	
2C	2C	2C			QPSK	20	18700	1860	1	99	20	700	1940	20	898	1959.8							24.47	24.35	-0.12	
2A-12A	2A	12A			QPSK	20	18700	1860	1	99	20	700	1940	10	5095	737.5							24.47	24.37	-0.1	
	12A	2A			QPSK	10	23095	707.5	1	0	10	5095	737.5	20	900	1960							23.9	23.75	-0.15	
4A-5A	4A	5A			QPSK	20	20175	1732.5	1	49	20	2175	2132.5	10	2525	881.5							23.6	23.59	-0.01	
	5A	4A			QPSK	10	20525	836.5	1	0	10	2525	881.5	20	2175	2132.5							23.99	23.92	-0.07	
4A-13A	4A	13A			QPSK	20	20175	1732.5	1	49	20	2175	2132.5	10	5230	751							23.6	23.59	-0.01	
	13A	4A			QPSK	10	23230	782	1	0	10	5230	751	20	2175	2132.5							23.79	23.74	-0.05	
5A-41A	5A	41A			QPSK	10	20525	836.5	1	0	10	2525	881.5	20	40620	2593							23.99	23.96	-0.03	
26A-41A	26A	41A			QPSK	15	26865	831.5	1	0	15	8865	876.5	20	40620	2593							23.87	23.72	-0.15	
41A-41A	41A	41A			QPSK	20	40620	2593	1	0	20	40620	2593	20	41490	2680							24.63	24.62	-0.01	
66B	66B	66B			QPSK	10	132322	1745	1	0	10	66786	2145	10	66885	2154.9							23.72	23.59	-0.13	
66C	66C	66C			QPSK	20	132322	1745	1	99	20	66786	2145	20	66984	2164.8							24.02	24.01	-0.01	
2A-4A-5A	2A	4A		5A	QPSK	20	18700	1860	1	99	20	700	1940	20	2175	2132.5							24.47	24.36	-0.11	
	4A	2A		5A	QPSK	20	20175	1732.5	1	49	20	2175	2132.5	20	900	1960	10	2525	881.5				23.6	23.56	-0.04	
	5A	2A	4A		QPSK	10	20525	836.5	1	0	10	2525	881.5	20	900	1960	20	2175	2132.5				23.99	23.84	-0.15	
2A-4A-13A	2A	4A		13A	QPSK	20	18700	1860	1	99	20	700	1940	20	2175	2132.5	10	5230	751				24.47	24.36	-0.11	
	4A	2A		13A	QPSK	20	20175	1732.5	1	49	20	2175	2132.5	20	900	1960	10	5230	751				23.6	23.45	-0.15	
	13A	2A	4A		QPSK	10	23230	782	1	0	10	5230	751	20	900	1960	20	2175	2132.5				23.79	23.71	-0.08	
2A-5A-66A	2A	5A		66A	QPSK	20	18700	1860	1	99	20	700	1940	10	2525	881.5	20	66786	2145				24.47	24.34	-0.13	
	5A	2A		66A	QPSK	10	20525	836.5	1	0	10	2525	881.5	20	900	1960	20	66786	2145				23.99	23.92	-0.07	
	66A	2A		5A	QPSK	20	132322	1745	1	99	20	66786	2145	20	900	1960	10	2525	881.5				24.02	23.91	-0.11	
4A-4A-12A	4A	4A		12A	QPSK	20	20175	1732.5	1	49	20	2175	2132.5	10	2005	2115.5	10	5095	737.5				23.6	23.57	-0.03	
	12A	4A		4A	QPSK	10	23095	707.5	1	0	10	5095	737.5	20	2050	2120	20	2300	2145				23.9	23.81	-0.09	
5A-66A-66A	5A	66A		66A	QPSK	10	20525	836.5	1	0	10	2525	881.5	20	66536	2120	20	67036	2170				23.99	23.84	-0.15	
	66A	66A		5A	QPSK	20	132322	1745	1	99	20	66786	2145	20	67036	2170	10	2525	881.5				24.02	24	-0.02	
12A-66A-66A	12A	66A		66A	QPSK	10	23095	707.5	1	0	10	5095	737.5	20	66536	2120	20	67036	2170				23.9	23.77	-0.13	
	66A	66A		12A	QPSK	20	132322	1745	1	99	20	66786	2145	20	67036	2170	10	5095	737.5				24.02	23.95	-0.07	
26A-41C	26A	41C		41C	QPSK	15	26865	831.5	1	0	15	8865	876.5	20	39750	2506	20	41490	2680				23.87	23.85	-0.02	
41A-41C	41A	41C		41C	QPSK	20	40620	2593	1	0	20	40620	2593	20	41490	2680	20	41292	2660.2				24.63	24.63	0	
	41C	41C		41A	QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	39750	2506				24.63	24.6	-0.03	
41A-41D	41A	41D		41D	QPSK	20	40620	2593	1	0	20	40620	2593	20	39750	2506	20	39948	2525.8		20	40146	2545.6	24.63	24.59	-0.04
	41D	41D		41A	QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	40818	2612.8	20	39750	2506	24.63	24.55	-0.08	
41C-41C	41C	41C		41C	QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	41490	2680	20	41292	2660.2	24.63	24.61	-0.02	
41E	41E	41E		41E	QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	40818	2612.8	20	41016	2632.6	24.63	24.54	-0.09	

Note:

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

D.4 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	PCC						PCC			SCC1			SCC2			SCC3							
	1st	2nd	3rd	4th	Mode	BW (MHz)	Channel	Freq. (MHz)	RB Location	RB Offset	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)	BW (MHz)	Channel	Freq. (MHz)					
5A-[41A]	5A	[41A]			QPSK	10	20525	836.5	1	0	10	2525	881.5	20	40620	2593								23.6	23.47	-0.13	
	26A	[41A]			QPSK	15	26865	831.5	1	0	15	8865	876.5	20	40620	2593								23.87	23.83	-0.04	
	[41A]-41A	[41A]	41A		QPSK	20	40620	2593	1	0	20	40620	2593	20	41490	2680								24.63	24.55	-0.08	
	41A	[41A]			QPSK	20	40620	2593	1	0	20	40620	2593	20	41490	2680								24.63	24.58	-0.05	
[41A]-[41A]	[41A]	[41A]			QPSK	20	40620	2593	1	0	20	40620	2593	20	41490	2680								24.63	24.56	-0.07	
[66B]	[66B]	[66B]			QPSK	10	132322	1745	1	0	10	66786	2145	10	66885	2154.9								23.72	23.71	-0.01	
[66C]	[66C]	[66C]			QPSK	20	132322	1745	1	99	20	66786	2145	20	66984	2164.8								24.02	24.01	-0.01	
2A-[4A]-5A	2A	[4A]	5A		QPSK	20	18700	1860	1	99	20	700	1940	20	2175	2132.5	10	2525	881.5					24.47	24.38	-0.09	
	[4A]	2A	5A		QPSK	20	20175	1732.5	1	49	20	2175	2132.5	20	900	1960	10	2525	881.5					23.6	23.46	-0.14	
	5A	2A	[4A]		QPSK	10	20525	836.5	1	0	10	2525	881.5	20	900	1960	20	2175	2132.5					23.6	23.6	0	
	2A	[4A]	13A		QPSK	20	18700	1860	1	99	20	700	1940	20	2175	2132.5	10	5230	751					24.47	24.33	-0.14	
2A-[4A]-13A	[4A]	2A	13A		QPSK	20	20175	1732.5	1	49	20	2175	2132.5	20	900	1960	10	5230	751					23.6	23.55	-0.05	
	13A	2A	[4A]		QPSK	10	23230	782	1	0	10	5230	751	20	900	1960	20	2175	2132.5					23.79	23.76	-0.03	
	2A	5A	[66A]		QPSK	20	18700	1860	1	99	20	700	1940	10	2525	881.5	20	66786	2145					24.47	24.33	-0.14	
	5A	2A	[66A]		QPSK	10	20525	836.5	1	0	10	2525	881.5	20	900	1960	20	66786	2145					23.6	23.52	-0.08	
2A-5A-[66A]	[66A]	2A	5A		QPSK	20	132322	1745	1	99	20	66786	2145	20	900	1960	10	2525	881.5					24.02	23.87	-0.15	
	[4A]	4A	12A		QPSK	20	20175	1732.5	1	49	20	2175	2132.5	10	2005	2115.5	10	5095	737.5					23.6	23.58	-0.02	
	4A	[4A]	12A		QPSK	20	20175	1732.5	1	49	20	2175	2132.5	10	2005	2115.5	10	5095	737.5					23.6	23.57	-0.03	
	12A	[4A]	4A		QPSK	10	23095	707.5	1	0	10	5095	737.5	20	2050	2120	20	2300	2145					23.9	23.82	-0.08	
[4A]-[4A]-12A	[4A]	[4A]	12A		QPSK	20	20175	1732.5	1	49	20	2175	2132.5	10	2005	2115.5	10	5095	737.5					23.6	23.57	-0.03	
	12A	[4A]	[4A]		QPSK	10	23095	707.5	1	0	10	5095	737.5	20	2050	2120	20	2300	2145					23.9	23.86	-0.04	
	5A	[66A]	66A		QPSK	10	20525	836.5	1	0	10	2525	881.5	20	66536	2120	20	67036	2170					23.6	23.54	-0.06	
	[66A]	66A	5A		QPSK	20	132322	1745	1	99	20	66786	2145	20	67036	2170	10	2525	881.5					24.02	23.96	-0.06	
5A-[66A]-66A	66A	[66A]	5A		QPSK	20	132322	1745	1	99	20	66786	2145	20	67036	2170	10	2525	881.5					24.02	24	-0.02	
	5A	[66A]	[66A]		QPSK	10	20525	836.5	1	0	10	2525	881.5	20	66536	2120	20	67036	2170					23.6	23.46	-0.14	
	[66A]	[66A]	5A		QPSK	20	132322	1745	1	99	20	66786	2145	20	67036	2170	10	2525	881.5					24.02	23.93	-0.09	
	12A	[66A]	66A		QPSK	10	23095	707.5	1	0	10	5095	737.5	20	66536	2120	20	67036	2170					23.9	23.8	-0.1	
12A-[66A]-66A	[66A]	66A	12A		QPSK	20	132322	1745	1	99	20	66786	2145	20	67036	2170	10	5095	737.5					24.02	24.02	0	
	66A	[66A]	12A		QPSK	20	132322	1745	1	99	20	66786	2145	20	67036	2170	10	5095	737.5					24.02	23.95	-0.07	
	12A	[66A]	[66A]		QPSK	10	23095	707.5	1	0	10	5095	737.5	20	66536	2120	20	67036	2170					23.9	23.8	-0.1	
	[66A]	[66A]	12A		QPSK	20	132322	1745	1	99	20	66786	2145	20	67036	2170	10	5095	737.5					24.02	23.88	-0.14	
26A-[41C]	26A	[41C]	[41C]		QPSK	15	26865	831.5	1	0	15	8865	876.5	20	39750	2506	20	41490	2680					23.87	23.84	-0.03	
[41A]-41C	[41A]	41C	41C		QPSK	20	40620	2593	1	0	20	40620	2593	20	41490	2680	20	41292	2660.2					24.63	24.51	-0.12	
	41C	41C	[41A]		QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	39750	2506					24.63	24.6	-0.03	
	41A	[41C]	[41C]		QPSK	20	40620	2593	1	0	20	40620	2593	20	41490	2680	20	41292	2660.2					24.63	24.54	-0.09	
[41C]-41C	[41C]	[41C]	41A		QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	39750	2506					24.63	24.61	-0.02	
	[41A]	[41C]	[41C]		QPSK	20	40620	2593	1	0	20	40620	2593	20	41490	2680	20	41292	2660.2					24.63	24.6	-0.03	
	[41C]	[41C]	[41A]		QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	39750	2506					24.63	24.63	0	
[41A]-41D	[41A]	41D	41D	41D	QPSK	20	40620	2593	1	0	20	40620	2593	20	39750	2506	20	39948	2525.8	20	40146	2545.6		24.63	24.62	-0.01	
	41D	41D	41D	[41A]	QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	40818	2612.8	20	39750	2506		24.63	24.5	-0.13	
	[41C]	[41C]	41C	41C	QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	41490	2680	20	41292	2660.2		24.63	24.57	-0.06	
[41C]-41C	41C	41C	[41C]	[41C]	QPSK	20	40620	2593	1	0	20	40620	2593	20	40422	2573.2	20	41490	2680	20	41292	2660.2		24.63	24.5	-0.13	

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.