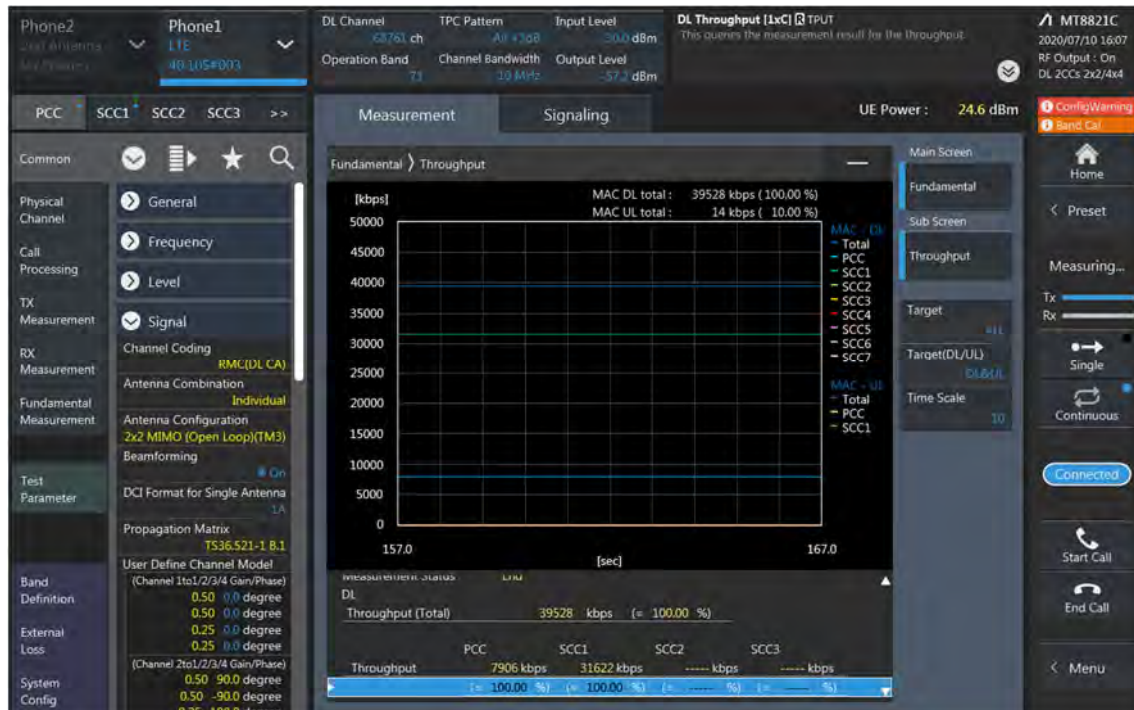
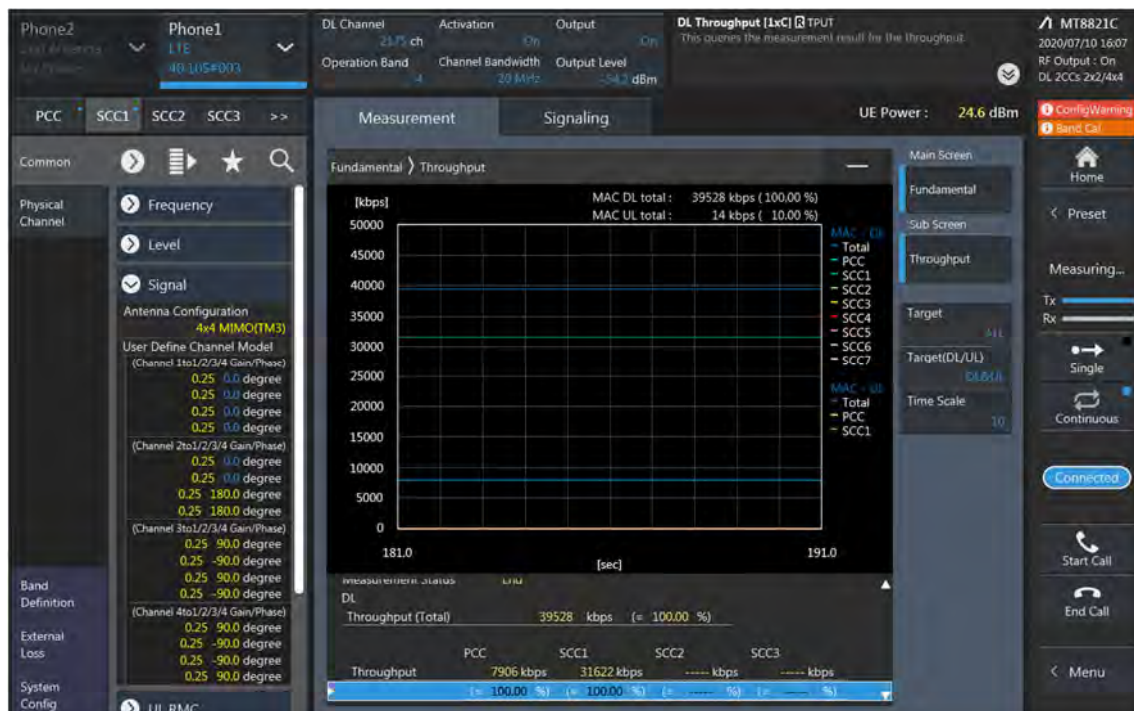


LTE Down Link 2CA 4x4 MIMO Call Setup

PCC Setting : Channel/ RB/ BW/ Modulation



SCC Setting : Channel/ RB/ BW/ Modulation and call Connection

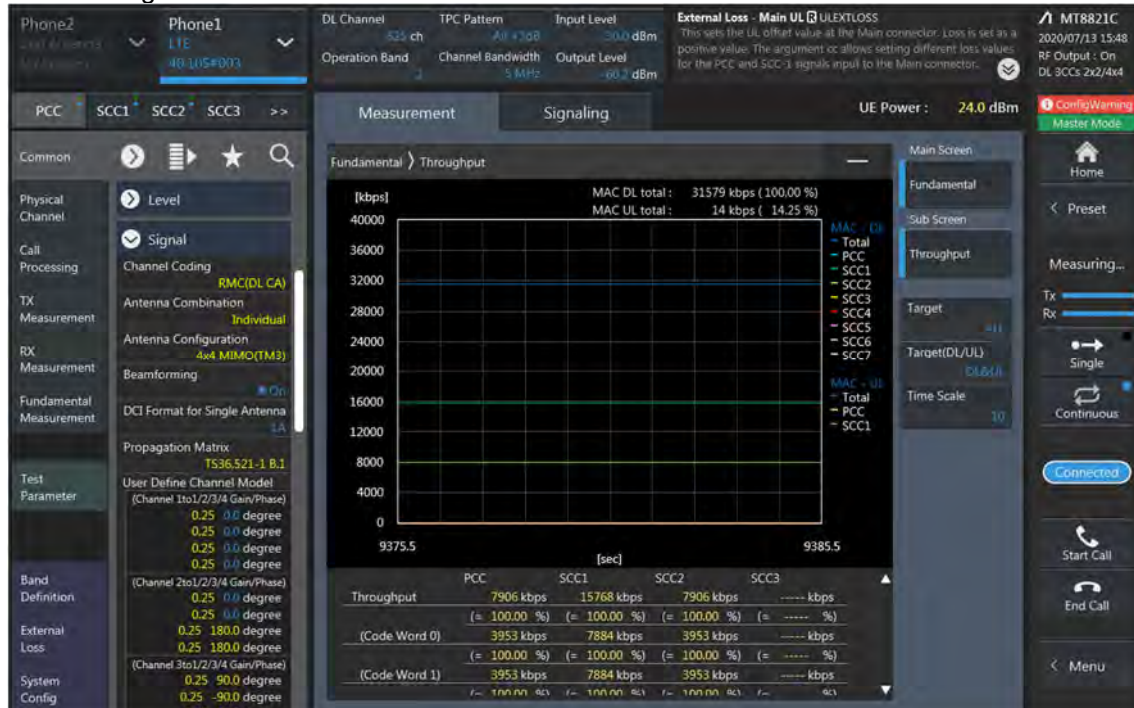


LTE Downlink 2CA 4X4 MIMO Maximum Conducted Power

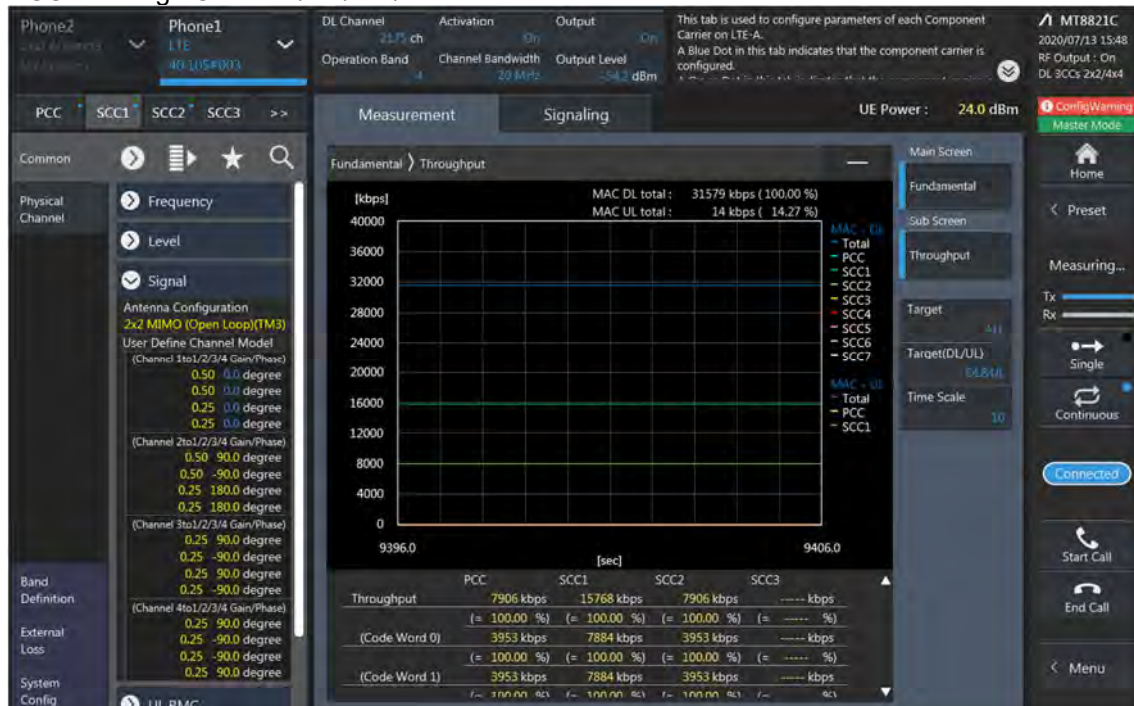
Combination	PCC									SCC				Tx Power		Dev.
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Modulation	RB	offset	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA Enabled(dBm)	
[4A]-71A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	71	20	68786	637	24.18	24.01	-0.17
[4A]-71A	71	10	133297	680.5	68761	634.5	QPSK	1	24	4	20	2175	2132.5	24.91	24.73	-0.18
[25A]-46A	25	20	26590	1905	8590	1985	QPSK	1	49	46	20	50665	5537.5	24.18	24.15	-0.03
[41A]-41A(PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	41490	2680	24.71	24.68	-0.03
41A-[41A](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	41490	2680	24.71	24.67	-0.04
[41A]-[41A](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	41490	2680	24.71	24.70	-0.01
[41A]-41A(PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	39750	2506	27.5	27.44	-0.06
41A-[41A](PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	39750	2506	27.5	27.46	-0.04
[41A]-[41A](PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	39750	2506	27.5	27.48	-0.02

LTE Down Link 3CA 4x4 MIMO Call Setup

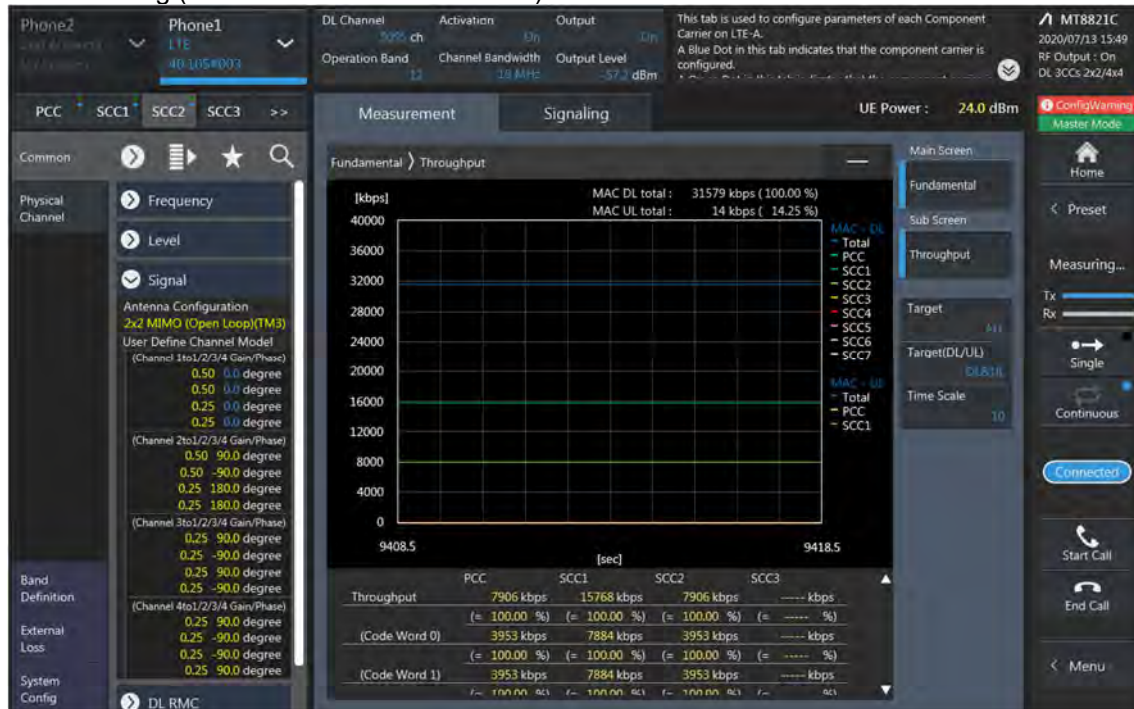
PCC Setting: Channel /RB/BW/Modulation



SCC1 Setting : Channel /RB/BW/Modulation



SCC2 Setting (Channel /RB/BW/Modulation)and call Connection



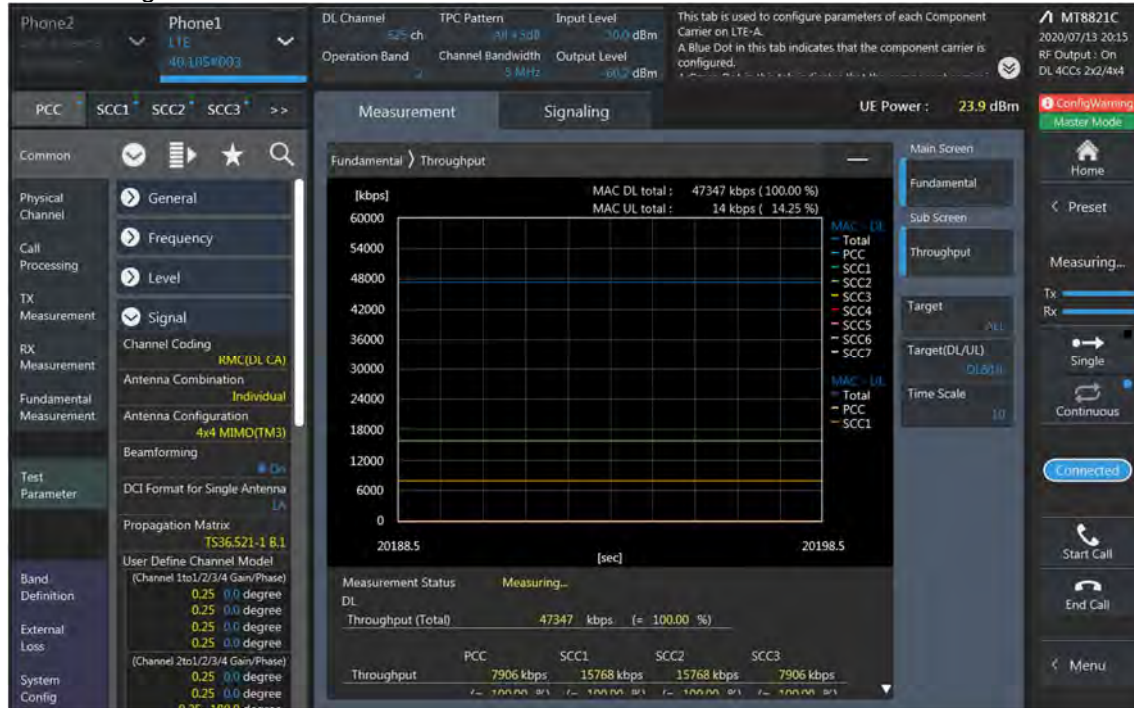
LTE Downlink 3CA 4X4 MIMO Maximum Conducted Power

Combination	PCC								SCC				SCC				Tx Power		Dev.
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Modulation	RB offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA Enabled (dBm)	
[2A]-2A-46A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	2	20	1100	1980	46	20	50665	5537.5	24.15	24.07	-0.1
[2A]-[2A]-46A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	2	20	1100	1980	46	20	50665	5537.5	24.15	24.09	-0.1
[2A]-5A-46A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	5	10	2525	881.5	46	20	50665	5537.5	24.15	24.07	-0.1
[2A]-5A-46A	5	10	20525	836.5	2525	881.5	QPSK	1 0	2	20	900	1960	46	20	50665	5537.5	24.59	24.63	0.04
[2A]-13A-46A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	13	10	5230	751	46	20	50665	5537.5	24.15	24.18	0.03
[2A]-13A-46A	13	10	23230	782	5230	751	QPSK	1 49	2	20	900	1960	46	20	50665	5537.5	24.17	24.15	-0
[2A]-4A-12A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	4	20	2175	2132.5	12	10	5095	737.5	24.15	24.20	0.05
2A-[4A]-12A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	4	20	2175	2132.5	12	10	5095	737.5	24.15	24.11	-0
[2A]-[4A]-12A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	4	20	2175	2132.5	12	10	5095	737.5	24.15	24.05	-0.1
[2A]-4A-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	2	20	900	1960	12	10	5095	737.5	24.18	24.20	0.02
2A-[4A]-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	2	20	900	1960	12	10	5095	737.5	24.18	24.23	0.05
[2A]-[4A]-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	2	20	900	1960	12	10	5095	737.5	24.18	24.22	0.04
[2A]-4A-12A	12	5	23095	707.5	5095	737.5	QPSK	1 24	2	20	900	1960	4	20	2175	2132.5	24.89	24.92	0.03
2A-[4A]-12A	12	5	23095	707.5	5095	737.5	QPSK	1 24	2	20	900	1960	4	20	2175	2132.5	24.89	24.91	0.02
[2A]-[4A]-12A	12	5	23095	707.5	5095	737.5	QPSK	1 24	2	20	900	1960	4	20	2175	2132.5	24.89	24.90	0.01
[2A]-4A-13A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	4	20	2175	2132.5	13	10	5230	751	24.15	24.07	-0.1
2A-[4A]-13A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	4	20	2175	2132.5	13	10	5230	751	24.15	24.10	-0
[2A]-[4A]-13A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	4	20	2175	2132.5	13	10	5230	751	24.15	24.05	-0.1
[2A]-4A-13A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	2	20	900	1960	13	10	5230	751	24.18	24.31	0.13
2A-[4A]-13A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	2	20	900	1960	13	10	5230	751	24.18	24.26	0.08
[2A]-[4A]-13A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	2	20	900	1960	13	10	5230	751	24.18	24.19	0.01
[2A]-4A-13A	13	10	23230	782	5230	751	QPSK	1 49	2	20	900	1960	4	20	2175	2132.5	24.17	24.17	0
2A-[4A]-13A	13	10	23230	782	5230	751	QPSK	1 49	2	20	900	1960	4	20	2175	2132.5	24.17	24.15	-0
[2A]-[4A]-13A	13	10	23230	782	5230	751	QPSK	1 49	2	20	900	1960	4	20	2175	2132.5	24.17	24.22	0.05
[2A]-4A-71A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	4	20	2175	2132.5	71	20	68786	637	24.15	24.13	-0
2A-[4A]-71A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	4	20	2175	2132.5	71	20	68786	637	24.15	24.06	-0.1
[2A]-[4A]-71A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	4	20	2175	2132.5	71	20	68786	637	24.15	24.15	0
[2A]-4A-71A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	2	20	900	1960	71	20	68786	637	24.18	24.21	0.03
2A-[4A]-71A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	2	20	900	1960	71	20	68786	637	24.18	24.24	0.06
[2A]-[4A]-71A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	2	20	900	1960	71	20	68786	637	24.18	24.22	0.04
[2A]-4A-71A	71	10	133297	680.5	68761	634.5	QPSK	1 24	2	20	900	1960	4	20	2175	2132.5	24.91	25.04	0.13
2A-[4A]-71A	71	10	133297	680.5	68761	634.5	QPSK	1 24	2	20	900	1960	4	20	2175	2132.5	24.91	25.07	0.16
[2A]-[4A]-71A	71	10	133297	680.5	68761	634.5	QPSK	1 24	2	20	900	1960	4	20	2175	2132.5	24.91	25.07	0.16
[2A]-12B	2	5	18625	1852.5	625	1932.5	QPSK	1 12	12	5	5095	737.5	12	5	5047	732.7	24.15	24.13	-0
[2A]-12B	12	5	23095	707.5	5095	737.5	QPSK	1 24	12	5	5047	732.7	2	20	900	1960	24.89	24.91	0.02
[2A]-66A-71A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	66	20	66786	2145	71	20	68786	637	24.15	24.10	-0
2A-[66A]-71A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	66	20	66786	2145	71	20	68786	637	24.15	24.12	-0
[2A]-[66A]-71A	2	5	18625	1852.5	625	1932.5	QPSK	1 12	66	20	66786	2145	71	20	68786	637	24.15	24.19	0.04
[2A]-66A-71A	66	5	132322	1745	66786	2145	QPSK	1 12	2	20	900	1960	71	20	68786	637	24.11	24.28	0.17
2A-[66A]-71A	66	5	132322	1745	66786	2145	QPSK	1 12	2	20	900	1960	71	20	68786	637	24.11	24.33	0.22
[2A]-[66A]-71A	66	5	132322	1745	66786	2145	QPSK	1 12	2	20	900	1960	71	20	68786	637	24.11	24.34	0.23
[4A]-4A-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	4	20	2300	2145	12	10	5095	737.5	24.18	24.14	-0
[4A]-[4A]-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	4	20	2300	2145	12	10	5095	737.5	24.18	24.11	-0.1
[4A]-4A-13A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	4	20	2300	2145	13	10	5230	751	24.18	23.96	-0.2
[4A]-[4A]-13A	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	4	20	2300	2145	13	10	5230	751	24.18	24.00	-0.2
[4A]-4A-13A	13	10	23230	782	5230	751	QPSK	1 49	4	20	2175	2132.5	4	10	2350	2150	24.17	24.22	0.05
[4A]-[4A]-13A	13	10	23230	782	5230	751	QPSK	1 49	4	20	2175	2132.5	4	10	2350	2150	24.17	24.17	0
[4A]-5B	4	5	20175	1732.5	2175	2132.5	QPSK	1 12	5	10	2525	881.5	5	5	2453	874.3	24.18	24.12	-0.1
[4A]-5B	5	10	20525	836.5	2525	881.5	QPSK	1 0	5	5	2453	874.3	4	20	2175	2132.5	24.59	23.56	-1

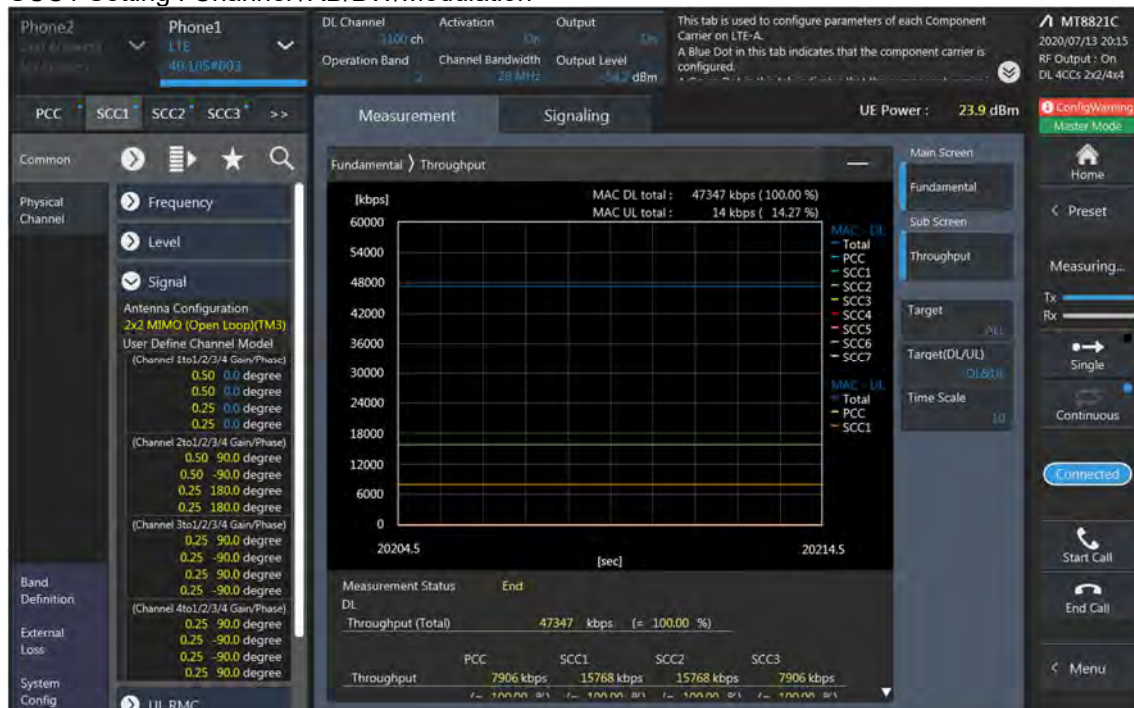
Combination	PCC									SCC				SCC				Tx Power		Dev.
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Modulation	RB	offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA Enabled (dBm)	
[4A]-46A-46A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	46	20	50665	5537.5	46	20	47090	5180	24.18	24.23	0.05
[4A]-46C	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	24.18	24.33	0.15
5A-46A-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	46	20	50665	5537.5	66	20	66786	2145	24.59	24.67	0.08
12A-[66C]	12	5	23095	707.5	5095	737.5	QPSK	1	24	66	20	66786	2145	66	20	66984	2164.8	24.89	24.85	-0.04
12A-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66984	2164.8	12	10	5095	737.5	24.11	24.27	0.16
13A-46A-[66A]	13	10	23230	782	5230	751	QPSK	1	49	46	20	50665	5537.5	66	20	66786	2145	24.17	24.13	-0.04
13A-46A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	13	10	5230	737.5	46	20	50665	5537.5	24.11	24.11	0
[25A]-25A-26A	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	26	5	8865	876.5	24.18	24.07	-0.11
25A-[25A]-26A	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	26	5	8865	876.5	24.18	24.08	-0.1
[25A]-[25A]-26A	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	26	5	8865	876.5	24.18	24.11	-0.07
[25A]-25A-26A	26	5	26715	816.5	8715	861.5	QPSK	1	12	25	20	8365	1962.5	25	20	8590	1985	24.4	24.36	-0.04
25A-[25A]-26A	26	5	26715	816.5	8715	861.5	QPSK	1	12	25	20	8365	1962.5	25	20	8590	1985	24.4	24.32	-0.08
[25A]-[25A]-26A	26	5	26715	816.5	8715	861.5	QPSK	1	12	25	20	8365	1962.5	25	20	8590	1985	24.4	24.33	-0.07
[25A]-25A-41A	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	24.18	24.03	-0.15
25A-[25A]-41A	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	24.18	24.08	-0.1
25A-25A-[41A]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	24.18	24.12	-0.06
25A-[25A]-[41A]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	24.18	24.08	-0.1
[25A]-25A-[41A]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	24.18	24.12	-0.06
[25A]-[25A]-41A	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	24.18	24.11	-0.07
[25A]-26A-[41A]	25	20	26590	1905	8590	1985	QPSK	1	49	26	15	8865	876.5	41	20	40620	2593	24.18	24.07	-0.11
[25A]-26A-41A	26	10	26750	820	8750	865	QPSK	1	0	25	20	8365	1962.5	41	20	40620	2593	24.47	24.49	0.02
25A-26A-[41A]	26	10	26750	820	8750	865	QPSK	1	0	25	20	8365	1962.5	41	20	40620	2593	24.47	24.49	0.02
[25A]-26A-[41A]	26	10	26750	820	8750	865	QPSK	1	0	25	20	8365	1962.5	41	20	40620	2593	24.47	24.43	-0.04
[25A]-46C	25	20	26590	1905	8590	1985	QPSK	1	49	46	20	50665	5537.5	46	20	50467	5517.7	24.18	24.19	0.01
26A-[41C]	26	10	26750	820	8750	865	QPSK	1	0	41	20	40620	2593	41	20	40818	2612.8	24.47	24.44	-0.03
[41A]-41C(PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	41292	2660.2	41	20	41490	2680	24.71	24.91	0.2
41A-[41C](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	41292	2660.2	41	20	41490	2680	24.71	24.87	0.16
[41A]-[41C](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	41292	2660.2	41	20	41490	2680	24.71	24.93	0.22
[41A]-41C(PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	40818	2612.8	41	20	41490	2680	24.71	24.84	0.13
41A-[41C](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	40818	2612.8	41	20	41490	2680	24.71	24.91	0.2
[41A]-[41C](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	40818	2612.8	41	20	41490	2680	24.71	24.83	0.12
[41A]-41C(PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	39948	2525.8	41	20	39750	2506	27.5	27.61	0.11
41A-[41C](PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	39948	2525.8	41	20	39750	2506	27.5	27.71	0.21
[41A]-[41C](PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	39948	2525.8	41	20	39750	2506	27.5	27.57	0.07
[41A]-41C(PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	40857	2616.7	41	20	39750	2506	27.5	27.63	0.13
41A-[41C](PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	40857	2616.7	41	20	39750	2506	27.5	27.73	0.23
[41A]-[41C](PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	40857	2616.7	41	20	39750	2506	27.5	27.68	0.18
46A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	46	20	50665	5537.5	24.11	24.13	0.02
46A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	46	20	50665	5537.5	24.11	24.09	-0.02
[66A]-66C	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67038	2170.2	66	20	67236	2190	24.11	24.18	0.07
66A-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67038	2170.2	66	20	67236	2190	24.11	24.21	0.1
[66A]-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67038	2170.2	66	20	67236	2190	24.11	24.19	0.08
[66A]-66C	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	66	20	67236	2190	24.11	24.17	0.06
66A-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	66	20	67236	2190	24.11	24.07	-0.04
[66A]-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	66	20	67236	2190	24.11	24.14	0.03

LTE Down Link 4CA 4x4 MIMO Call Setup

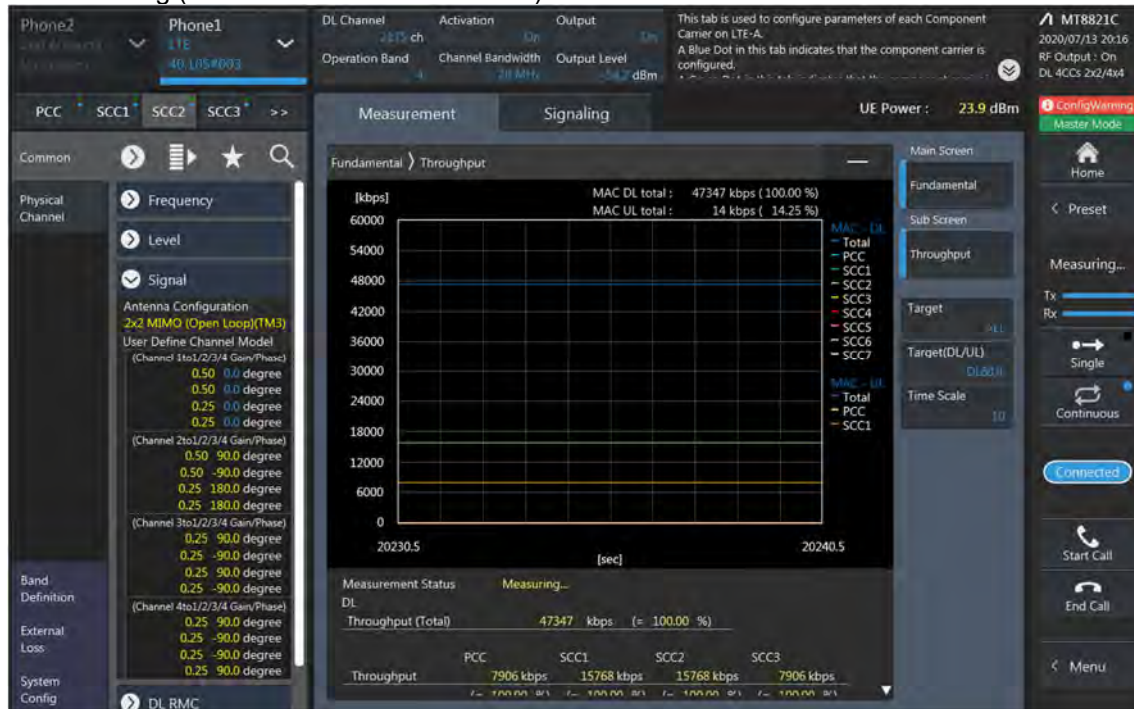
PCC Setting: Channel /RB/BW/Modulation



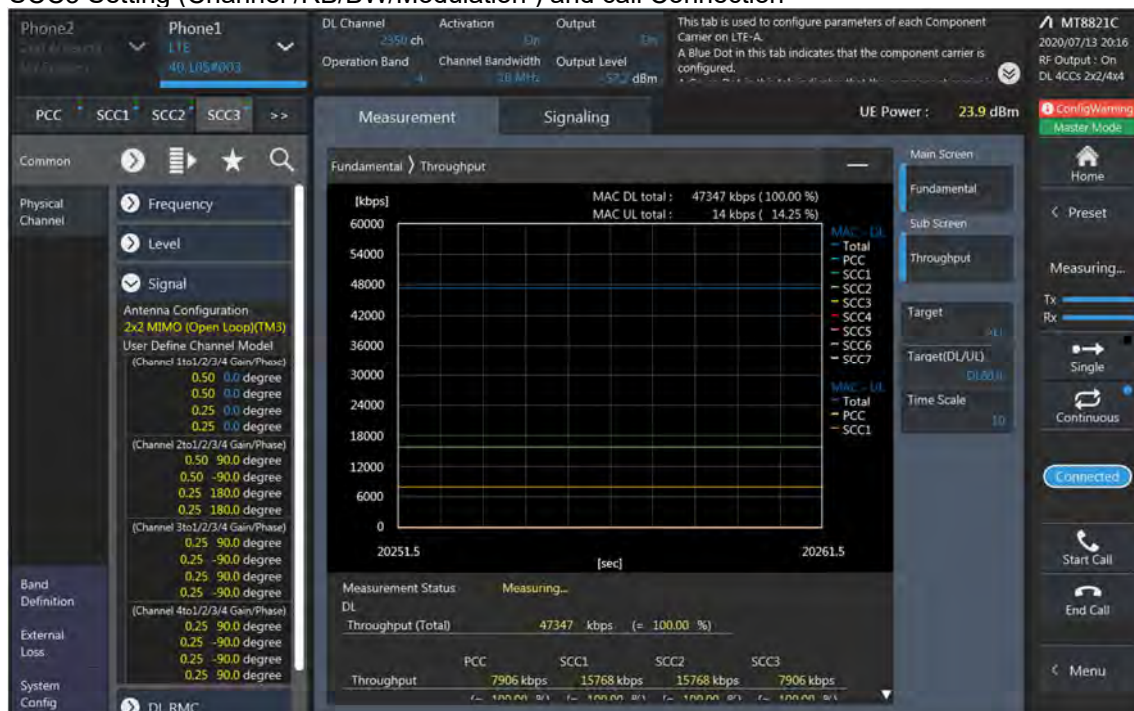
SCC1 Setting : Channel /RB/BW/Modulation



SCC2 Setting (Channel /RB/BW/Modulation) and call Connection



SCC3 Setting (Channel /RB/BW/Modulation) and call Connection



LTE Downlink 4CA 4X4 MIMO Maximum Conducted Power

Combination	PCC										SCC				SCC				SCC				Tx Power		Dev.
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Modulation	RB	offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA Enabled (dBm)		
[2A]-2A-4A-4A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.15	24.01	-0.14	
2A-2A-[4A]-4A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.15	24.02	-0.13	
[2A]-[2A]-4A-4A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.15	24.1	-0.05	
[2A]-2A-[4A]-4A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.15	24.11	-0.04	
2A-2A-[4A]-[4A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.15	24.05	-0.1	
[2A]-[2A]-[4A]-4A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.15	24.1	-0.05	
[2A]-2A-[4A]-[4A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.15	24.08	-0.07	
[2A]-[2A]-[4A]-[4A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	4	10	2350	2150	24.15	24.15	0	
[2A]-2A-4A-4A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	2	20	1100	1980	24.18	24.21	0.03	
2A-2A-[4A]-4A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	2	20	1100	1980	24.18	24.22	0.04	
[2A]-[2A]-4A-4A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	2	20	1100	1980	24.18	24.2	0.02	
[2A]-2A-[4A]-4A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	2	20	1100	1980	24.18	24.18	0	
2A-2A-[4A]-[4A]	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	2	20	1100	1980	24.18	24.2	0.02	
[2A]-[2A]-[4A]-4A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	2	20	1100	1980	24.18	24.25	0.07	
[2A]-2A-[4A]-[4A]	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	2	20	1100	1980	24.18	24.23	0.05	
[2A]-[2A]-[4A]-[4A]	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	2	20	1100	1980	24.18	24.21	0.03	
[2A]-2A-4A-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	24.15	24.14	-0.01	
2A-2A-[4A]-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	24.15	24.09	-0.06	
[2A]-[2A]-4A-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	24.15	24.12	-0.03	
[2A]-2A-[4A]-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	24.15	24.13	-0.02	
[2A]-[2A]-[4A]-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	5	10	2525	881.5	24.15	24.16	0.01	
[2A]-2A-4A-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.18	24.2	0.02	
2A-2A-[4A]-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.18	24.22	0.04	
[2A]-[2A]-4A-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.18	24.18	0	
[2A]-2A-[4A]-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.18	24.23	0.05	
[2A]-[2A]-[4A]-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.18	24.2	0.02	
[2A]-2A-4A-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.59	24.7	0.11	
2A-2A-[4A]-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.59	24.73	0.14	
[2A]-[2A]-4A-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.59	24.78	0.19	
[2A]-2A-[4A]-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.59	24.76	0.17	
[2A]-[2A]-[4A]-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.59	24.81	0.22	
[2A]-2A-4A-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	24.15	24.14	-0.01	
2A-2A-[4A]-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	24.15	23.99	-0.16	
[2A]-[2A]-4A-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	24.15	24.14	-0.01	
[2A]-2A-[4A]-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	24.15	24.18	0.03	
[2A]-[2A]-[4A]-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	4	20	2175	2132.5	12	10	5095	737.5	24.15	24.15	0	
[2A]-2A-4A-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.18	24.17	-0.01	
2A-2A-[4A]-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.18	24.2	0.02	
[2A]-[2A]-4A-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.18	24.19	0.01	
[2A]-2A-[4A]-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.18	24.26	0.08	
[2A]-[2A]-[4A]-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.18	24.23	0.05	
[2A]-2A-4A-12A	12	5	23095	707.5	5095	737.5	QPSK	1	24	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.89	24.95	0.06	
2A-2A-[4A]-12A	12	5	23095	707.5	5095	737.5	QPSK	1	24	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.89	24.92	0.03	
[2A]-[2A]-4A-12A	12	5	23095	707.5	5095	737.5	QPSK	1	24	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.89	24.99	0.1	
[2A]-2A-[4A]-12A	12	5	23095	707.5	5095	737.5	QPSK	1	24	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.89	24.95	0.06	
[2A]-[2A]-[4A]-12A	12	5	23095	707.5	5095	737.5	QPSK	1	24	2	20	900	1960	2	20	1100	1980	4	20	2175	2132.5	24.89	24.97	0.08	
[2A]-2A-29A-30A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100</													

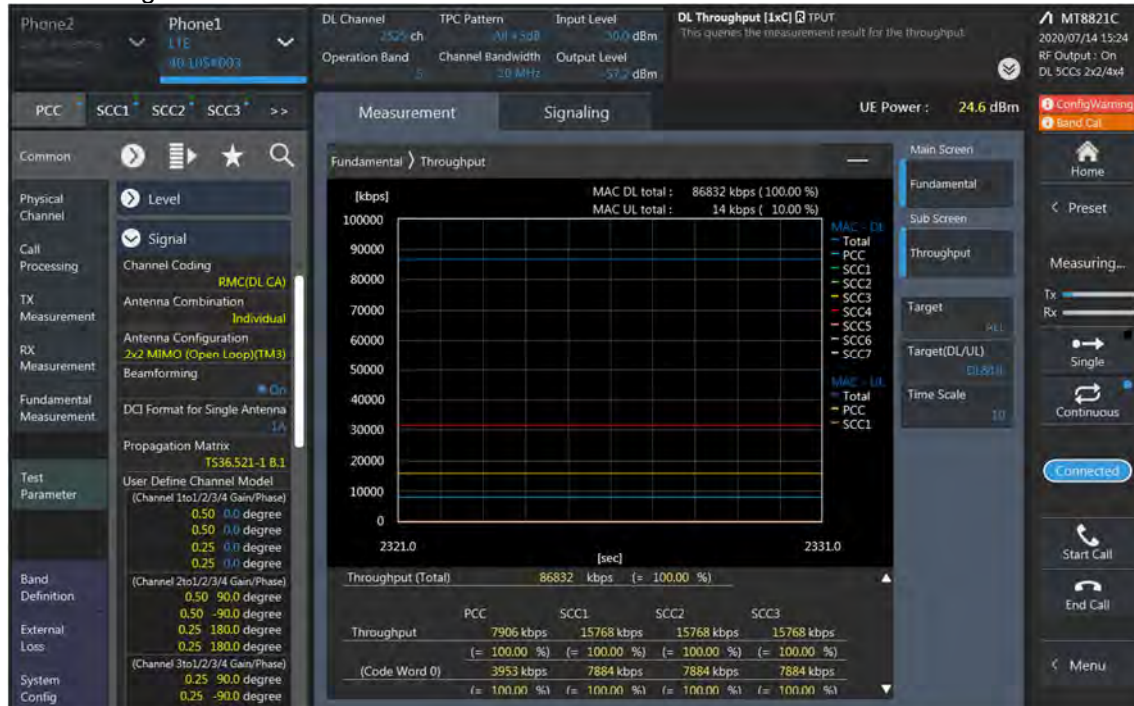
Combination	PCC										SCC				SCC				SCC				Tx Power		Dev.
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Modulation	RB	offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA Enabled (dBm)		
[2A]-[2A]-46C	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	46	20	50665	5537.5	46	20	50467	5517.7	24.15	24.09	-0.06	
[2A]-4A-4A-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	24.15	24.13	-0.02	
2A-[4A]-4A-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	24.15	24.14	-0.01	
[2A]-[4A]-4A-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	24.15	24.14	-0.01	
2A-[4A]-[4A]-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	24.15	24.09	-0.06	
[2A]-[4A]-[4A]-5A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	5	10	2525	881.5	24.15	24.16	0.01	
[2A]-4A-4A-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	5	10	2525	881.5	24.18	24.17	-0.01	
2A-[4A]-4A-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	5	10	2525	881.5	24.18	24.22	0.04	
[2A]-[4A]-4A-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	5	10	2525	881.5	24.18	24.18	0	
2A-[4A]-[4A]-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	5	10	2525	881.5	24.18	24.22	0.04	
[2A]-[4A]-[4A]-5A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	5	10	2525	881.5	24.18	24.2	0.02	
[2A]-4A-4A-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	24.59	24.73	0.14	
2A-[4A]-4A-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	24.59	24.78	0.19	
[2A]-[4A]-4A-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	24.59	24.8	0.21	
2A-[4A]-[4A]-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	24.59	24.75	0.16	
[2A]-[4A]-[4A]-5A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	4	20	2175	2132.5	4	10	2350	2150	24.59	24.72	0.13	
2A-[4A]-4A-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	24.15	24.14	-0.01	
2A-[4A]-4A-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	24.15	24.1	-0.05	
[2A]-[4A]-4A-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	24.15	24.12	-0.03	
2A-[4A]-[4A]-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	24.15	24.15	0	
[2A]-[4A]-[4A]-12A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	4	10	2350	2150	12	10	5095	737.5	24.15	24.17	0.02	
[2A]-4A-4A-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	12	10	5095	737.5	24.18	24.17	-0.01	
2A-[4A]-4A-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	12	10	5095	737.5	24.18	24.25	0.07	
[2A]-[4A]-4A-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	12	10	5095	737.5	24.18	24.19	0.01	
2A-[4A]-[4A]-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	12	10	5095	737.5	24.18	24.23	0.05	
[2A]-[4A]-[4A]-12A	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	4	20	2300	2145	2	20	900	1960	12	10	5095	737.5	24.18	24.2	0.02	
[2A]-4A-5B	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	5	10	2525	881.5	5	5	2453	874.3	24.15	24.17	0.02	
2A-[4A]-5B	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	5	10	2525	881.5	5	5	2453	874.3	24.15	24.12	-0.03	
[2A]-[4A]-5B	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	5	10	2525	881.5	5	5	2453	874.3	24.15	24.13	-0.02	
[2A]-4A-5B	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.18	24.21	0.03	
2A-[4A]-5B	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.18	24.2	0.02	
[2A]-[4A]-5B	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.18	24.2	0.02	
[2A]-4A-5B	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	4	20	2175	2132.5	24.59	24.66	0.07	
2A-[4A]-5B	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	4	20	2175	2132.5	24.59	24.75	0.16	
[2A]-[4A]-5B	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	4	20	2175	2132.5	24.59	24.74	0.15	
[2A]-4A-12B	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	12	5	5095	737.5	12	5	5047	732.7	24.15	24.13	-0.02	
2A-[4A]-12B	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	12	5	5095	737.5	12	5	5047	732.7	24.15	24.04	-0.11	
[2A]-[4A]-12B	2	5	18625	1852.5	625	1932.5	QPSK	1	12	4	20	2175	2132.5	12	5	5095	737.5	12	5	5047	732.7	24.15	24.14	-0.01	
[2A]-4A-12B	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	12	5	5095	737.5	12	5	5047	732.7	24.18	24.14	-0.04	
2A-[4A]-12B	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	12	5	5095	737.5	12	5	5047	732.7	24.18	24.17	-0.01	
[2A]-[4A]-12B	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	2	20	900	1960	12	5	5095	737.5	12	5	5047	732.7	24.18	24.2	0.02	
[2A]-5A-46C	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	46	20	50665	5537.5	46	20	50467	5517.7	24.15	24.03	-0.12	
[2A]-5A-46C	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	24.59	24.42	-0.17	
[2A]-12B-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	24.15	24.13	-0.02	
2A-12B-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	24.15	24.12	-0.03	
[2A]-12B-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	24.15	24.14	-0.01	
[2A]-12B-66A	66	5</																							

Combination	PCC									SCC				SCC				SCC				Tx Power		Dev.
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Modulation	RB	offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA	
[2A]-13A-46C	2	5	18625	1852.5	625	1932.5	QPSK	1	12	13	10	5230	751	46	20	50665	5537.5	46	20	50467	5517.7	24.15	24.07	-0.1
[2A]-13A-46C	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	24.15	24.11	-0
[2A]-29A-30A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	29	10	9715	722.5	30	10	9820	2355	66	20	66786	2145	24.15	24.16	0.01
2A-29A-[30A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	29	10	9715	722.5	30	10	9820	2355	66	20	66786	2145	24.15	24.11	-0
2A-29A-30A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	29	10	9715	722.5	30	10	9820	2355	66	20	66786	2145	24.15	24.08	-0.1
[2A]-29A-[30A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	29	10	9715	722.5	30	10	9820	2355	66	20	66786	2145	24.15	24.16	0.01
[2A]-29A-30A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	29	10	9715	722.5	30	10	9820	2355	66	20	66786	2145	24.15	24.15	0
2A-29A-[30A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	29	10	9715	722.5	30	10	9820	2355	66	20	66786	2145	24.15	24.07	-0.1
[2A]-29A-[30A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	29	10	9715	722.5	30	10	9820	2355	66	20	66786	2145	24.15	24.17	0.02
[2A]-29A-30A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	29	10	9715	722.5	66	20	66786	2145	22.49	22.57	0.08
2A-29A-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	29	10	9715	722.5	66	20	66786	2145	22.49	22.53	0.04
2A-29A-30A-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	29	10	9715	722.5	66	20	66786	2145	22.49	22.49	0
[2A]-29A-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	29	10	9715	722.5	66	20	66786	2145	22.49	22.52	0.03
[2A]-29A-30A-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	29	10	9715	722.5	66	20	66786	2145	22.49	22.47	-0
2A-29A-[30A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	29	10	9715	722.5	66	20	66786	2145	22.49	22.58	0.09
[2A]-29A-[30A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	29	10	9715	722.5	66	20	66786	2145	22.49	22.46	-0
[2A]-29A-30A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	24.11	24.21	0.1
2A-29A-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	24.11	24.2	0.09
2A-29A-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	24.11	24.24	0.13
[2A]-29A-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	24.11	24.22	0.11
[2A]-29A-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	24.11	24.24	0.13
2A-29A-[30A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	24.11	24.26	0.15
[2A]-29A-[30A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	29	10	9715	722.5	30	10	9820	2355	24.11	24.25	0.14
[2A]-46A-46C	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	46	20	53540	5825	24.15	24.1	-0
[2A]-46A-46A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	47090	5180	66	20	66786	2145	24.15	24.09	-0.1
2A-46A-46A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	47090	5180	66	20	66786	2145	24.15	24.1	-0
[2A]-46A-46A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	47090	5180	66	20	66786	2145	24.15	24.12	-0
[2A]-46A-46A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5537.5	46	20	47090	5180	24.11	24.04	-0.1
2A-46A-46A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5537.5	46	20	47090	5180	24.11	24.07	-0
[2A]-46A-46A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5537.5	46	20	47090	5180	24.11	24.05	-0.1
[2A]-46C-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	66	20	66786	2145	24.15	24.1	-0
2A-46C-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	66	20	66786	2145	24.15	24.08	-0.1
[2A]-46C-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	66	20	66786	2145	24.15	24.11	-0
[2A]-46C-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	24.11	24.07	-0
2A-46C-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	24.11	24.05	-0.1
[2A]-46C-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	24.11	24.09	-0
[2A]-66C-71A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	66	20	66786	2145	66	20	66984	2164.8	71	20	68786	637	24.15	24.14	-0
[2A]-66C-71A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	2	20	900	1960	71	20	68786	637	24.11	24.22	0.11
[2A]-66C-71A	71	10	133297	680.5	68761	634.5	QPSK	1	24	2	20	900	1960	66	20	66786	2145	66	20	66984	2164.8	24.91	24.71	-0.2
[2C]-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	742	1944.2	66	20	66786	2145	66	20	67236	2190	24.15	24.16	0.01
2C-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	742	1944.2	66	20	66786	2145	66	20	67236	2190	24.15	24.07	-0.1
[2C]-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	742	1944.2	66	20	66786	2145	66	20	67236	2190	24.15	24.18	0.03
2C-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	742	1944.2	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0
[2C]-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	742	1944.2	66	20	66786	2145	66	20	67236	2190	24.15	24.11	-0
[2C]-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1098	1979.8	24.11	24.05	-0.1
2C-[66																								

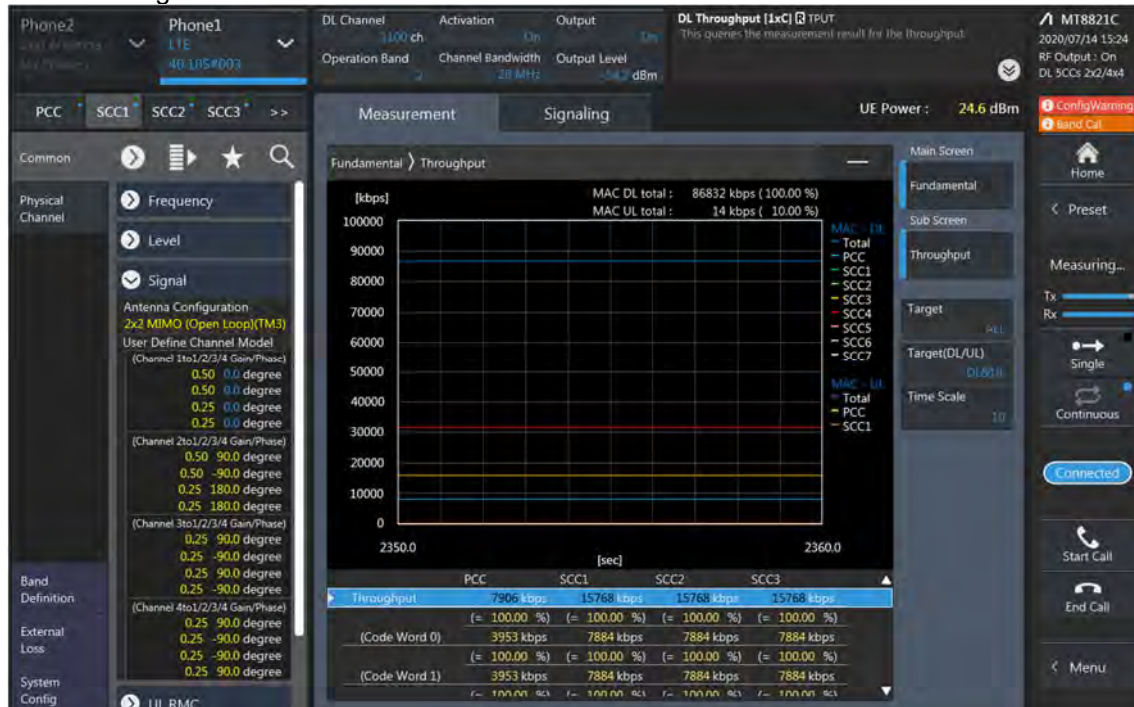
Combination	PCC									SCC				SCC				SCC				Tx Power		Dev.
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Modulation	RB	offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA Enabled (dBm)	
5A-5A-[66B]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2625	891.5	66	15	66786	2145	66	5	66879	2154.3	24.59	24.77	0.18
5A-5A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	5	10	2525	881.5	5	5	2625	891.5	24.11	24.1	-0.01
5A-5A-[66C]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2625	891.5	66	20	66786	2145	66	20	66984	2164.8	24.59	24.74	0.15
5A-5A-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	5	10	2525	881.5	5	5	2625	891.5	24.11	24.09	-0.02
5A-46C-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	46	20	50665	5537.5	46	20	50467	5517.7	66	20	66786	2145	24.59	24.65	0.06
5A-46C-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	5	10	2525	881.5	46	20	50665	5537.5	46	20	50467	5517.7	24.11	24.08	-0.03
5B-[30A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	24.59	24.7	0.11
5B-30A-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	24.59	24.73	0.14
5B-[30A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	24.59	24.71	0.12
5B-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.58	0.09
5B-30A-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.59	0.1
5B-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.6	0.11
5B-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.08	-0.03
5B-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.07	-0.04
5B-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.1	-0.01
13A-46C-[66A]	13	10	23230	782	5230	751	QPSK	1	49	46	20	50665	5537.5	46	20	50467	5517.7	66	20	66786	2145	24.17	24.13	-0.04
13A-46C-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	13	10	5230	751	46	20	50665	5537.5	46	20	50467	5517.7	24.11	24.04	-0.07
[25A]-25A-41C	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	41	20	40818	2612.8	24.18	24.12	-0.06
25A-[25A]-41C	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	41	20	40818	2612.8	24.18	24.11	-0.07
25A-25A-[41C]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	41	20	40818	2612.8	24.18	24.09	-0.09
25A-[25A]-[41C]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	41	20	40818	2612.8	24.18	24.12	-0.06
[25A]-25A-[41C]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	41	20	40818	2612.8	24.18	24.09	-0.09
[25A]-[25A]-41C	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	41	20	40818	2612.8	24.18	24.08	-0.1
[25A]-[25A]-[41C]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40620	2593	41	20	40818	2612.8	24.18	24.11	-0.07
[25A]-41D	25	20	26590	1905	8590	1985	QPSK	1	49	41	20	40620	2593	41	20	40818	2612.8	41	20	41016	2632.6	24.18	24.06	-0.12
[25A]-46D	25	20	26590	1905	8590	1985	QPSK	1	49	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.18	24.15	-0.03
29A-[30A]-66A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	29	10	9715	722.5	66	20	66786	2145	66	20	67236	2190	22.49	22.49	0
29A-30A-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	29	10	9715	722.5	66	20	66786	2145	66	20	67236	2190	22.49	22.55	0.06
29A-[30A]-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	29	10	9715	722.5	66	20	66786	2145	66	20	67236	2190	22.49	22.59	0.1
29A-30A-[66A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	29	10	9715	722.5	66	20	66786	2145	66	20	67236	2190	22.49	22.56	0.07
29A-[30A]-[66A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	29	10	9715	722.5	66	20	66786	2145	66	20	67236	2190	22.49	22.55	0.06
29A-[30A]-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	29	10	9715	722.5	30	10	9820	2355	24.11	24.13	0.02
29A-30A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	29	10	9715	722.5	30	10	9820	2355	24.11	24.08	-0.03
29A-[30A]-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	29	10	9715	722.5	30	10	9820	2355	24.11	24.11	0
29A-30A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	29	10	9715	722.5	30	10	9820	2355	24.11	24.06	-0.05
29A-[30A]-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	29	10	9715	722.5	30	10	9820	2355	24.11	24.06	-0.05
[41A]-41D(PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	41094	2640.4	41	20	41292	2660.2	41	20	41490	2680	24.71	24.76	0.05
41A-[41D](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	41094	2640.4	41	20	41292	2660.2	41	20	41490	2680	24.71	24.7	-0.01
[41A]-[41D](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	41094	2640.4	41	20	41292	2660.2	41	20	41490	2680	24.71	24.7	-0.01
41A-[41D](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	40422	2573.2	41	20	40818	2612.8	41	20	41490	2680	24.71	24.69	-0.02
41A-[41D](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	40422	2573.2	41	20	40818	2612.8	41	20	41490	2680	24.71	24.69	-0.02
[41A]-[41D](PC3)	41	20	40620	2593	40620	2593	QPSK	1	49	41	20	40422	2573.2	41	20	40818	2612.8	41	20	41490	2680	24.71	24.68	-0.03
[41A]-41D(PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	40146	2545.6	41	20	39948	2525.8	41	20	39750	2506	27.5	27.41	-0.09
41A-[41D](PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	40146	2545.6	41	20	39948	2525.8	41	20	39750	2506	27.5	27.45	-0.05
[41A]-[41D](PC2)	41	20	41055	2636.5	41055	2636.5	QPSK	1	49	41	20	40146	2545.6	41	20	39948	2525.8	41	20	39				

LTE Down Link 5CA 4x4 MIMO Call Setup

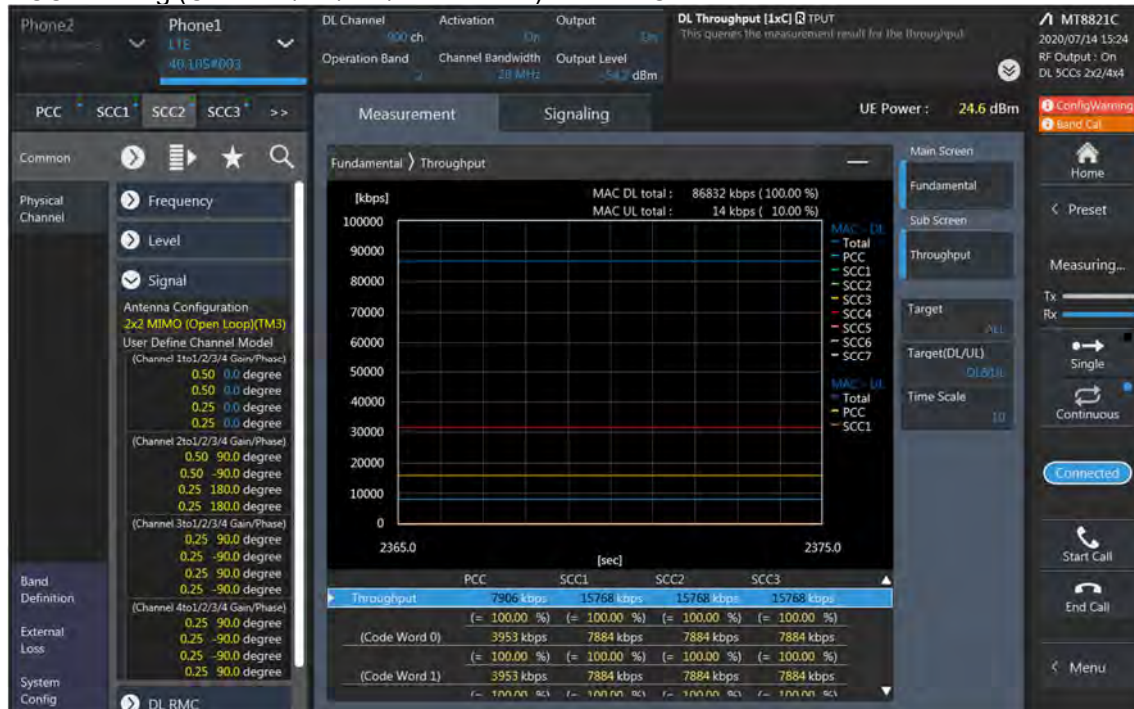
PCC Setting: Channel /RB/BW/Modulation



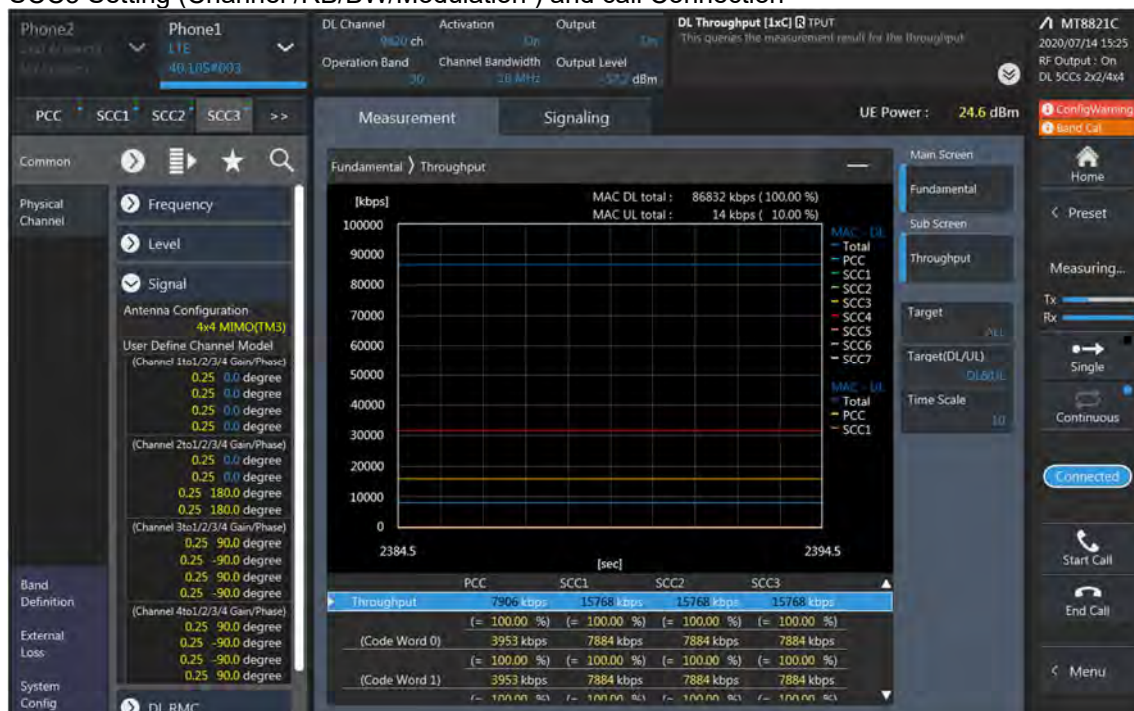
SCC1 Setting : Channel /RB/BW/Modulation



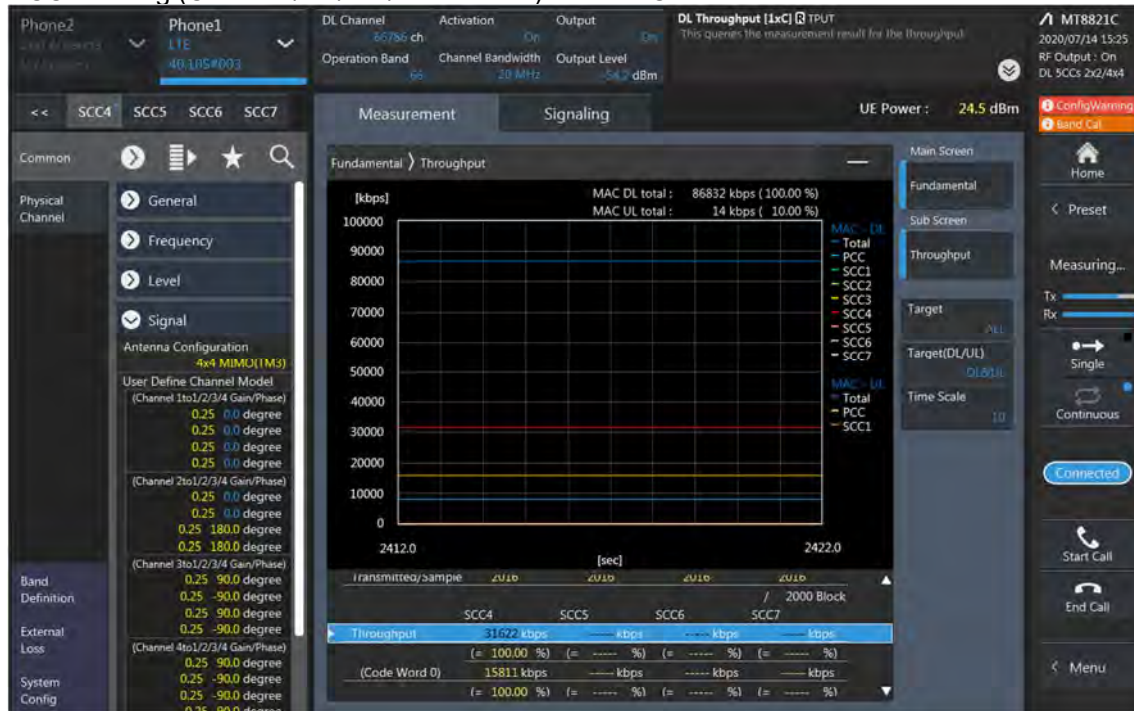
SCC2 Setting (Channel /RB/BW/Modulation) and call Connection



SCC3 Setting (Channel /RB/BW/Modulation) and call Connection



SCC4 Setting (Channel /RB/BW/Modulation) and call Connection



LTE Downlink 5CA 4X4 MIMO Maximum Conducted Power

Combination	PCC								SCC				SCC				SCC				SCC				Tx Power		Dev.	
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod.	RB offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA Enabled(dBm)		
2A-2A-5A-[30A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	24.15	24.13	-0.02
[2A]-2A-5A-30A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	24.15	24.1	-0.05
2A-2A-5A-[30A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	24.15	24.13	-0.02
2A-2A-5A-30A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	24.15	24.11	-0.04
[2A]-[2A]-5A-30A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	24.15	24.13	-0.02
[2A]-2A-5A-[30A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	24.15	24.12	-0.03
[2A]-2A-5A-30A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	24.15	24.16	0.01
2A-2A-5A-[30A]-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.59	24.49	-0.1
[2A]-2A-5A-30A-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.59	24.52	-0.07
2A-2A-5A-[30A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.59	24.59	0
2A-2A-5A-30A-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.59	24.55	-0.04
[2A]-[2A]-5A-30A-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.59	24.56	-0.03
[2A]-2A-5A-[30A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.59	24.52	-0.07
[2A]-2A-5A-30A-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.59	24.54	-0.05
2A-2A-5A-[30A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	22.49	22.35	-0.14
[2A]-2A-5A-30A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	22.49	22.36	-0.13
2A-2A-5A-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	22.49	22.4	-0.09
2A-2A-5A-30A-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	22.49	22.45	-0.04
[2A]-[2A]-5A-30A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	22.49	22.39	-0.1
[2A]-2A-5A-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	22.49	22.41	-0.08
[2A]-2A-5A-30A-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	22.49	22.41	-0.08
2A-2A-5A-[30A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.11	24.08	-0.03
[2A]-2A-5A-30A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.11	24.1	-0.01
2A-2A-5A-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.11	24.07	-0.04
2A-2A-5A-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.11	24.09	-0.02
[2A]-[2A]-5A-30A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.11	24.08	-0.03
[2A]-2A-5A-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.11	24.1	-0.01
[2A]-2A-5A-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	30	10	9820	2355	24.11	24.06	-0.05
[2A]-2A-5A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	24.15	24.11	-0.04
2A-2A-5A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0.03
[2A]-[2A]-5A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	24.15	24.09	-0.06
[2A]-2A-5A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	24.15	24.14	-0.01
2A-2A-5A-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	24.15	24.15	0
[2A]-[2A]-5A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	24.15	24.09	-0.06
[2A]-2A-5A-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	24.15	24.11	-0.04
[2A]-[2A]-5A-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0.03
[2A]-2A-5A-66A-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67236	2190	24.59	24.53	-0.06
2A-2A-5A-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67236	2190	24.59	24.51	-0.08
[2A]-[2A]-5A-66A-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67236	2190	24.59	24.49	-0.1
[2A]-2A-5A-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67236	2190	24.59	24.5	-0.09
2A-2A-5A-[66A]-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980											

Combination	PCC								SCC				SCC				SCC				SCC				Tx Power		Dev.	
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod.	RB	IF	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)		LTE Tx Power with DL CA Enabled (dBm)
[2A]-[2A]-5A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.09	-0.02
[2A]-2A-5A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.05	-0.06
[2A]-[2A]-5A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.12	0.01
[2A]-2A-5A-66B	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	15	66786	2145	66	5	66879	2154.3	24.15	24.09	-0.06
2A-2A-5A-[66B]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	15	66786	2145	66	5	66879	2154.3	24.15	24.14	-0.01
[2A]-[2A]-5A-66B	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	15	66786	2145	66	5	66879	2154.3	24.15	24.13	-0.02
[2A]-2A-5A-[66B]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	15	66786	2145	66	5	66879	2154.3	24.15	24.11	-0.04
[2A]-[2A]-5A-[66B]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	15	66786	2145	66	5	66879	2154.3	24.15	24.15	0
[2A]-2A-5A-66B	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	15	66786	2145	66	5	66879	2154.3	24.59	24.55	-0.04
2A-2A-5A-[66B]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	15	66786	2145	66	5	66879	2154.3	24.59	24.49	-0.1
[2A]-[2A]-5A-66B	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	15	66786	2145	66	5	66879	2154.3	24.59	24.47	-0.12
[2A]-2A-5A-[66B]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	15	66786	2145	66	5	66879	2154.3	24.59	24.5	-0.09
[2A]-[2A]-5A-[66B]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	15	66786	2145	66	5	66879	2154.3	24.59	24.56	-0.03
[2A]-2A-5A-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.14	0.03
2A-2A-5A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.11	0
[2A]-[2A]-5A-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.08	-0.03
[2A]-2A-5A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.09	-0.02
[2A]-[2A]-5A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.1	-0.01
[2A]-2A-5A-66C	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	66984	2164.8	24.15	24.06	-0.09
2A-2A-5A-[66C]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	66984	2164.8	24.15	24.08	-0.07
[2A]-[2A]-5A-66C	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	66984	2164.8	24.15	24.13	-0.02
[2A]-2A-5A-[66C]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	66984	2164.8	24.15	24.09	-0.06
[2A]-[2A]-5A-[66C]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	5	10	2525	881.5	66	20	66786	2145	66	20	66984	2164.8	24.15	24.07	-0.08
[2A]-2A-5A-66C	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	66984	2164.8	24.59	24.48	-0.11
2A-2A-5A-[66C]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	66984	2164.8	24.59	24.5	-0.09
[2A]-[2A]-5A-66C	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	66984	2164.8	24.59	24.51	-0.08
[2A]-2A-5A-[66C]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	66984	2164.8	24.59	24.47	-0.12
[2A]-[2A]-5A-[66C]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	66984	2164.8	24.59	24.58	-0.01
[2A]-2A-5A-66C	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.1	-0.01
2A-2A-5A-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.03	-0.08
[2A]-[2A]-5A-66C	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.14	0.03
[2A]-2A-5A-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.09	-0.02
[2A]-[2A]-5A-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	2	20	900	1960	2	20	1100	1980	5	10	2525	881.5	24.11	24.06	-0.05
[2A]-2A-12A-30A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	24.15	24.09	-0.06
2A-2A-12A-[30A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	24.15	24.13	-0.02
2A-2A-12A-30A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	24.15	24.15	0
[2A]-[2A]-12A-30A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	24.15	24.04	-0.11
[2A]-2A-12A-[30A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	24.15	24.09	-0.06
[2A]-2A-12A-30A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	24.15	24.07	-0.08
2A-2A-12A-[30A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	30	10</									

Combination	PCC								SCC				SCC				SCC				SCC				Tx Power		Dev.	
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod.	RB	Offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)		LTE Tx Power with DL CA Enabled (dBm)
[2A]-2A-12A-30A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.11	24.14	0.03
2A-2A-12A-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.11	24.1	-0.01
2A-2A-12A-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.11	24.12	0.01
[2A]-[2A]-12A-30A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.11	24.08	-0.03
[2A]-2A-12A-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.11	24.13	0.02
[2A]-2A-12A-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.11	24.11	0
2A-2A-12A-[30A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	30	10	9820	2355	24.11	24.09	-0.02
[2A]-2A-12B-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	24.15	24.15	0
2A-2A-12B-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	24.15	24.1	-0.05
[2A]-[2A]-12B-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	24.15	24.12	-0.03
[2A]-2A-12B-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	24.15	24.17	0.02
[2A]-[2A]-12B-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	24.15	24.11	-0.04
[2A]-2A-12B-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	24.11	24.09	-0.02
2A-2A-12B-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	24.11	24.13	0.02
[2A]-[2A]-12B-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	24.11	24.15	0.04
[2A]-2A-12B-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	24.11	24.13	0.02
[2A]-[2A]-12B-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	12	5	5095	737.5	12	5	5047	732.7	24.11	24.11	0
[2A]-2A-12A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0.03
2A-2A-12A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	24.15	24.11	-0.04
[2A]-[2A]-12A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0.03
[2A]-2A-12A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	24.15	24.09	-0.06
2A-2A-12A-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	24.15	24.13	-0.02
[2A]-2A-12A-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.11	24.05	-0.06
2A-2A-12A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.11	24.1	-0.01
[2A]-[2A]-12A-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.11	24.12	0.01
[2A]-2A-12A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.11	24.09	-0.02
2A-2A-12A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	12	10	5095	737.5	24.11	24.11	0
[2A]-2A-13A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	13	10	5230	751	66	20	66786	2145	66	20	67236	2190	24.15	24.11	-0.04
2A-2A-13A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	13	10	5230	751	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0.03
[2A]-[2A]-13A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	13	10	5230	751	66	20	66786	2145	66	20	67236	2190	24.15	24.08	-0.07
[2A]-2A-13A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	13	10	5230	751	66	20	66786	2145	66	20	67236	2190	24.15	24.08	-0.07
2A-2A-13A-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	13	10	5230	751	66	20	66786	2145	66	20	67236	2190	24.15	24.05	-0.1
[2A]-2A-13A-66A-66A	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67236	2190	24.17	24.09	-0.08
2A-2A-13A-[66A]-66A	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67236	2190	24.17	24.1	-0.07
[2A]-[2A]-13A-66A-66A	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67236	2190	24.17	24.15	-0.02
[2A]-2A-13A-[66A]-66A	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67236	2190	24.17	24.07	-0.1
2A-2A-13A-[66A]-[66A]	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	2	20	1100	1980	66	20	66786	2145	66	20	67236	2190	24.17	24.13	-0.04
[2A]-2A-13A-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	13	10	5230	751	24.11	24.11	0
2A-2A-13A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	13	10	5230	751	24.11	24.08	-0.03
[2A]-[2A]-13A-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960											

Combination	PCC								SCC				SCC				SCC				SCC				Tx Power		Dev.	
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod.	RB	if	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)		LTE Tx Power with DL CA Enabled(dBm)
[2A]-2A-13A-[66B]	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	2	20	1100	1980	66	15	66786	2145	66	5	66879	2154.3	24.17	24.17	0
[2A]-[2A]-13A-[66B]	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	2	20	1100	1980	66	15	66786	2145	66	5	66879	2154.3	24.17	24.09	-0.08
[2A]-2A-13A-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	13	10	5230	751	24.11	24.12	0.01
2A-2A-13A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	13	10	5230	751	24.11	24.09	-0.02
[2A]-[2A]-13A-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	13	10	5230	751	24.11	24.07	-0.04
[2A]-2A-13A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	13	10	5230	751	24.11	24.11	0
[2A]-[2A]-13A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	2	20	1100	1980	13	10	5230	751	24.11	24.04	-0.07
[2A]-2A-14A-30A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	24.15	24.09	-0.06
2A-2A-14A-[30A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	24.15	24.1	-0.05
2A-2A-14A-30A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	24.15	24.06	-0.09
[2A]-[2A]-14A-30A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	24.15	24.13	-0.02
[2A]-2A-14A-[30A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	24.15	24.07	-0.08
[2A]-2A-14A-30A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	24.15	24.06	-0.09
2A-2A-14A-[30A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	24.15	24.07	-0.08
[2A]-2A-14A-30A-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.22	24.26	0.04
2A-2A-14A-[30A]-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.22	24.24	0.02
2A-2A-14A-30A-[66A]	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.22	24.24	0.02
[2A]-[2A]-14A-30A-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.22	24.19	-0.03
[2A]-2A-14A-[30A]-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.22	24.22	0
[2A]-2A-14A-30A-[66A]	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.22	24.17	-0.05
2A-2A-14A-[30A]-[66A]	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	2	20	1100	1980	30	10	9820	2355	66	20	66786	2145	24.22	24.23	0.01
[2A]-2A-14A-30A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	22.49	22.54	0.05
2A-2A-14A-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	22.49	22.57	0.08
2A-2A-14A-30A-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	22.49	22.43	-0.06
[2A]-[2A]-14A-30A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	22.49	22.46	-0.03
[2A]-2A-14A-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	22.49	22.45	-0.04
[2A]-2A-14A-30A-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	22.49	22.57	0.08
2A-2A-14A-[30A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	22.49	22.49	0
[2A]-2A-14A-30A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.11	24.15	0.04
2A-2A-14A-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.11	24.07	-0.04
2A-2A-14A-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.11	24.06	-0.05
[2A]-[2A]-14A-30A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.11	24.1	-0.01
[2A]-2A-14A-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.11	24.09	-0.02
[2A]-2A-14A-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.11	24.13	0.02
2A-2A-14A-[30A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	2	20	1100	1980	14	10	5330	763	30	10	9820	2355	24.11	24.12	0.01
[2A]-2A-14A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	66	20	67236	2190	24.15	24.13	-0.02
2A-2A-14A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	66	20	67236	2190	24.15	24.08	-0.07
2A-2A-14A-66A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0.03
[2A]-[2A]-14A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	14	10	5330	763	66	20	66786	2145	66	20	67236	2190	24.15	24.09	-0.06
[2A]-2A-14A-[66A]-66A	2	5	18625	1852.5	625	1932.5</																						

Combination	PCC								SCC				SCC				SCC				SCC				Tx Power		Dev.	
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod.	RB	Offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)		LTE Tx Power with DL CA Enabled (dBm)
2A-2A-14A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	14	10	5330	763	24.11	24.12	0.01
2A-2A-14A-66A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	14	10	5330	763	24.11	24.08	-0.03
[2A]-[2A]-14A-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	14	10	5330	763	24.11	24.08	-0.03
[2A]-2A-14A-[66]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	14	10	5330	763	24.11	24.12	0.01
[2A]-2A-14A-66A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	14	10	5330	763	24.11	24.11	0
2A-2A-14A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	2	20	1100	1980	14	10	5330	763	24.11	24.13	0.02
[2A]-2A-46D	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.15	24.18	0.03
[2A]-[2A]-46D	2	5	18625	1852.5	625	1932.5	QPSK	1	12	2	20	1100	1980	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.15	24.19	0.04
[2A]-5A-30A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.17	0.02
2A-5A-[30A]-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.18	0.03
2A-5A-30A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.17	0.02
[2A]-5A-[30A]-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.15	0
[2A]-5A-30A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.14	-0.01
2A-5A-[30A]-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.18	0.03
2A-5A-30A-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.14	-0.01
[2A]-5A-30A-66A-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.56	-0.03
2A-5A-[30A]-66A-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.55	-0.04
2A-5A-30A-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.48	-0.11
[2A]-5A-[30A]-66A-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.5	-0.09
[2A]-5A-30A-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.54	-0.05
2A-5A-[30A]-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.55	-0.04
2A-5A-30A-[66A]-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.49	-0.1
[2A]-5A-30A-66A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	22.49	22.43	-0.06
2A-5A-[30A]-66A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	22.49	22.61	0.12
2A-5A-30A-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	22.49	22.59	0.1
[2A]-5A-[30A]-66A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	22.49	22.58	0.09
[2A]-5A-30A-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	22.49	22.5	0.01
2A-5A-[30A]-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	22.49	22.51	0.02
2A-5A-30A-[66A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	66	20	66786	2145	66	20	67236	2190	22.49	22.49	0
[2A]-5A-30A-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	24.11	24.11	0
2A-5A-[30A]-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	24.11	24.08	-0.03
2A-5A-30A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	24.11	24.06	-0.05
[2A]-5A-[30A]-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	24.11	24.1	-0.01
[2A]-5A-30A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	24.11	24.09	-0.02
2A-5A-[30A]-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	24.11	24.07	-0.04
2A-5A-30A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	30	10	9820	2355	24.11	24.08	-0.03
[2A]-5B-30A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	24.15	24.19	0.04
2A-5B-[30A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	24.15	24.15	0
2A-5B-30A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	24.15	24.13	-0.02
[2A]-5B-[30A]-66A	2	5	18625	1852.5																								

Combination	PCC								SCC								SCC				SCC				Tx Power		Dev.	
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod.	RB	ifft	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)		LTE Tx Power with DL CA Enabled(dBm)
[2A]-5B-30A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.46	-0.03
2A-5B-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.41	-0.08
2A-5B-30A-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.45	-0.04
[2A]-5B-[30A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.43	-0.06
[2A]-5B-30A-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.5	0.01
2A-5B-[30A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.48	-0.01
[2A]-5B-[30A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	22.49	22.47	-0.02
[2A]-5B-30A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.16	0.05
2A-5B-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.17	0.06
2A-5B-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.13	0.02
[2A]-5B-[30A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.11	0
[2A]-5B-30A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.09	-0.02
2A-5B-[30A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.15	0.04
[2A]-5B-[30A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.17	0.06
[2A]-5B-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	66	20	67236	2190	24.15	24.16	0.01
2A-5B-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0.03
2A-5B-66A-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	66	20	67236	2190	24.15	24.14	-0.01
[2A]-5B-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	66	20	67236	2190	24.15	24.19	0.04
[2A]-5B-66A-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	20	66786	2145	66	20	67236	2190	24.59	24.53	-0.06
2A-5B-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	20	66786	2145	66	20	67236	2190	24.59	24.55	-0.04
2A-5B-66A-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	20	66786	2145	66	20	67236	2190	24.59	24.47	-0.12
[2A]-5B-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	20	66786	2145	66	20	67236	2190	24.59	24.5	-0.09
[2A]-5B-66A-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	20	66786	2145	66	20	67236	2190	24.59	24.46	-0.13
2A-5B-[66A]-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	20	66786	2145	66	20	67236	2190	24.59	24.51	-0.08
[2A]-5B-[66A]-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	20	66786	2145	66	20	67236	2190	24.59	24.53	-0.06
[2A]-5B-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.09	-0.02
2A-5B-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.13	0.02
2A-5B-66A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.15	0.04
[2A]-5B-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.11	0
[2A]-5B-66A-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.08	-0.03
2A-5B-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.16	0.05
[2A]-5B-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.05	-0.06
[2A]-5B-66B	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	66	15	66879	2154.3	66	5	66879	2154.3	24.15	24.12	-0.03
2A-5B-[66B]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	66	15	66786	2145	66	5	66879	2154.3	24.15	24.13	-0.02
[2A]-5B-[66B]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	5	5	2453	874.3	66	15	66786	2145	66	5	66879	2154.3	24.15	24.15	0
[2A]-5B-66B	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	15	66786	2145	66	5	66879	2154.3	24.59	24.61	0.02
2A-5B-[66B]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	15	66786	2145	66	5	66879	2154.3	24.59	24.57	-0.02
[2A]-5B-[66B]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	2	20	900	1960	66	15	66786	2145	66	5	66879	2154.3	24.59	24.56	-0.03
[2A]-5B-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.07	-0.04
2A-5B-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.09	-0.02
[2A]-5B-[66B]	66	5	132322	1745	66786	2																						

Combination	PCC								SCC				SCC				SCC				SCC				Tx Power		Dev.	
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod.	RB	ifss	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)		LTE Tx Power with DL CA Enabled (dBm)
[2A]-5B-66C	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.07	-0.04
2A-5B-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.12	0.01
[2A]-5B-[66C]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	66903	2156.7	2	20	900	1960	5	10	2525	881.5	5	5	2453	874.3	24.11	24.09	-0.02
[2A]-12A-30A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.21	0.06
2A-12A-[30A]-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.18	0.03
2A-12A-30A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.16	0.01
[2A]-12A-[30A]-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.17	0.02
[2A]-12A-30A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.11	-0.04
2A-12A-[30A]-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.17	0.02
2A-12A-30A-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.14	-0.01
[2A]-12A-[30A]-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.09	-0.06
2A-12A-[30A]-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.19	0.04
[2A]-12A-[30A]-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	10	5095	737.5	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.17	0.02
[2A]-12A-30A-66A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.42	-0.07
2A-12A-[30A]-66A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.45	-0.04
2A-12A-30A-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.44	-0.05
[2A]-12A-[30A]-66A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.56	0.07
[2A]-12A-30A-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.51	0.02
2A-12A-[30A]-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.53	0.04
2A-12A-30A-[66A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.47	-0.02
[2A]-12A-[30A]-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.49	0
2A-12A-[30A]-[66A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.51	0.02
[2A]-12A-[30A]-[66A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	12	10	5095	737.5	66	20	66786	2145	66	20	67236	2190	22.49	22.5	0.01
[2A]-12A-30A-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.07	-0.04
2A-12A-[30A]-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.08	-0.03
2A-12A-30A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.12	0.01
[2A]-12A-[30A]-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.13	0.02
[2A]-12A-30A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.09	-0.02
2A-12A-[30A]-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.1	-0.01
2A-12A-30A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.06	-0.05
[2A]-12A-[30A]-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.04	-0.07
2A-12A-[30A]-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.09	-0.02
[2A]-12A-[30A]-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	10	5095	737.5	30	10	9820	2355	24.11	24.1	-0.01
[2A]-12B-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	66	20	67236	2190	24.15	24.16	0.01
2A-12B-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	66	20	67236	2190	24.15	24.15	0
[2A]-12B-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	66	20	67236	2190	24.15	24.19	0.04
2A-12B-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0.03
[2A]-12B-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	12	5	5095	737.5	12	5	5047	732.7	66	20	66786	2145	66	20	67236	2190	24.15	24.18	0.03
[2A]-12B-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	12	5									

Combination	PCC								SCC				SCC				SCC				SCC				Tx Power		Dev.	
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod.	RB	ifss	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)		LTE Tx Power with DL CA Enabled(dBm)
[2A]-13A-66A-66B	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	66	20	66786	2145	66	5	67168	2183.2	66	15	67261	2192.5	24.17	24.21	0.04
2A-13A-[66A]-66B	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	66	20	66786	2145	66	5	67168	2183.2	66	15	67261	2192.5	24.17	24.16	-0.01
2A-13A-66A-[66B]	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	66	20	66786	2145	66	5	67168	2183.2	66	15	67261	2192.5	24.17	24.17	0
[2A]-13A-[66A]-66B	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	66	20	66786	2145	66	5	67168	2183.2	66	15	67261	2192.5	24.17	24.15	-0.02
[2A]-13A-66A-[66B]	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	66	20	66786	2145	66	5	67168	2183.2	66	15	67261	2192.5	24.17	24.2	0.03
2A-13A-[66A]-[66B]	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	66	20	66786	2145	66	5	67168	2183.2	66	15	67261	2192.5	24.17	24.19	0.02
[2A]-13A-[66A]-[66B]	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	66	20	66786	2145	66	5	67168	2183.2	66	15	67261	2192.5	24.17	24.14	-0.03
[2A]-13A-66A-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	5	67168	2183.2	66	15	67261	2192.5	2	20	900	1960	13	10	5230	751	24.11	24.09	-0.02
2A-13A-[66A]-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	5	67168	2183.2	66	15	67261	2192.5	2	20	900	1960	13	10	5230	751	24.11	24.13	0.02
2A-13A-66A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	5	67168	2183.2	66	15	67261	2192.5	2	20	900	1960	13	10	5230	751	24.11	24.15	0.04
[2A]-13A-[66A]-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	5	67168	2183.2	66	15	67261	2192.5	2	20	900	1960	13	10	5230	751	24.11	24.07	-0.04
[2A]-13A-66A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	5	67168	2183.2	66	15	67261	2192.5	2	20	900	1960	13	10	5230	751	24.11	24.1	-0.01
2A-13A-[66A]-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	5	67168	2183.2	66	15	67261	2192.5	2	20	900	1960	13	10	5230	751	24.11	24.05	-0.06
[2A]-13A-[66A]-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	5	67168	2183.2	66	15	67261	2192.5	2	20	900	1960	13	10	5230	751	24.11	24.11	0
[2A]-13A-66A-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	66	20	67236	2190	2	20	900	1960	13	10	5230	751	24.11	24.13	0.02
2A-13A-[66A]-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	66	20	67236	2190	2	20	900	1960	13	10	5230	751	24.11	24.09	-0.02
2A-13A-66A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	66	20	67236	2190	2	20	900	1960	13	10	5230	751	24.11	24.11	0
[2A]-13A-[66A]-66B	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	66	20	67236	2190	2	20	900	1960	13	10	5230	751	24.11	24.14	0.03
[2A]-13A-66A-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	66	20	67236	2190	2	20	900	1960	13	10	5230	751	24.11	24.16	0.05
2A-13A-[66A]-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	66	20	67236	2190	2	20	900	1960	13	10	5230	751	24.11	24.08	-0.03
[2A]-13A-[66A]-[66B]	66	5	132322	1745	66786	2145	QPSK	1	12	66	15	66879	2154.3	66	20	67236	2190	2	20	900	1960	13	10	5230	751	24.11	24.09	-0.02
[2A]-14A-30A-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.17	0.02
2A-14A-[30A]-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.13	-0.02
2A-14A-30A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.19	0.04
[2A]-14A-[30A]-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.16	0.01
[2A]-14A-30A-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.18	0.03
2A-14A-[30A]-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.13	-0.02
2A-14A-30A-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.15	0
[2A]-14A-[30A]-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.11	-0.04
2A-14A-[30A]-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.17	0.02
[2A]-14A-[30A]-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	14	10	5330	763	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.15	24.12	-0.03
[2A]-14A-30A-66A-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.22	24.19	-0.03
2A-14A-[30A]-66A-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.22	24.17	-0.05
2A-14A-30A-[66A]-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.22	24.22	0
[2A]-14A-[30A]-66A-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.22	24.26	0.04
[2A]-14A-30A-[66A]-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.22	24.21	-0.01
2A-14A-[30A]-[66A]-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.22	24.22	0
2A-14A-30A-[66A]-[66A]	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.22	24.27	0.05
[2A]-14A-[30A]-[66A]-66A	14	5	23305	790.5	5305	760.5	QPSK	1	0	2	20	900	1960	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190			

Combination	PCC										SCC				SCC				SCC				SCC				Tx Power		Dev.
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod.	RB	Offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA Enabled (dBm)		
[2A]-14A-[30A]-[66A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	2	20	900	1960	14	10	5330	763	66	20	66786	2145	66	20	67236	2190	22.49	22.47	-0.02	
[2A]-14A-30A-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.09	-0.02	
2A-14A-[30A]-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.06	-0.05	
2A-14A-30A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.1	-0.01	
[2A]-14A-[30A]-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.14	0.03	
[2A]-14A-30A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.03	-0.08	
2A-14A-[30A]-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.08	-0.03	
2A-14A-30A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.02	-0.09	
[2A]-14A-[30A]-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.06	-0.05	
2A-14A-[30A]-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.11	0	
[2A]-14A-[30A]-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	14	10	5330	763	30	10	9820	2355	24.11	24.11	0	
[2A]-46A-46D	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	53540	5825	46	20	53342	5805.5	46	20	53144	5785.4	24.15	24.17	0.02	
[2A]-46A-46C-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	46	20	53540	5825	66	20	66786	2145	24.15	24.13	-0.02	
2A-46A-46C-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	46	20	53540	5825	66	20	66786	2145	24.15	24.17	0.02	
[2A]-46A-46C-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	46	20	53540	5825	66	20	66786	2145	24.15	24.15	0	
[2A]-46A-46C-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	46	20	53540	5825	24.11	24.12	0.01	
2A-46A-46C-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	46	20	53540	5825	24.11	24.14	0.03	
[2A]-46A-46C-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	46	20	53540	5825	24.11	24.16	0.05	
[4A]-46A-46D	4	5	20175	1732.5	2175	2132.5	QPSK	1	12	46	20	50665	5537.5	46	20	53540	5825	46	20	53342	5805.5	46	20	53144	5785.4	24.18	24.21	0.03	
5B-[30A]-66A-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.63	0.04	
5B-30A-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.56	-0.03	
5B-[30A]-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.57	-0.02	
5B-30A-[66A]-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.5	-0.09	
5B-[30A]-[66A]-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	5	5	2453	874.3	30	10	9820	2355	66	20	66786	2145	66	20	67236	2190	24.59	24.52	-0.07	
5B-[30A]-66A-66A	30	10	27710	2310	9820	2355	QPSK	1	0	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	66	20	67236	2190	22.49	22.51	0.02	
5B-30A-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	66	20	67236	2190	22.49	22.47	-0.02	
5B-[30A]-[66A]-66A	30	10	27710	2310	9820	2355	QPSK	1	0	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	66	20	67236	2190	22.49	22.53	0.04	
5B-30A-[66A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	66	20	67236	2190	22.49	22.51	0.02	
5B-[30A]-[66A]-[66A]	30	10	27710	2310	9820	2355	QPSK	1	0	5	10	2525	881.5	5	5	2453	874.3	66	20	66786	2145	66	20	67236	2190	22.49	22.54	0.05	
5B-[30A]-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.06	-0.05	
5B-30A-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.13	0.02	
5B-[30A]-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.11	0	
5B-30A-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.15	0.04	
5B-[30A]-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	5	10	2525	881.5	5	5	2453	874.3	30	10	9820	2355	24.11	24.08	-0.03	
[25A]-25A-41D	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40422	2573.2	41	20	40620	2593	41	20	40818	2612.8	24.18	24.19	0.01	
25A-[25A]-41D	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40422	2573.2	41	20	40620	2593	41	20	40818	2612.8	24.18	24.18	0	
25A-25A-[41D]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40422	2573.2	41	20	40620	2593	41	20	40818	2612.8	24.18	24.24	0.06	
25A-[25A]-[41D]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40422	2573.2	41	20	40620	2593	41	20	40818	2612.8	24.18	24.21	0.03	
[25A]-25A-[41D]	25	20	26590	1905	8590	1985	QPSK	1	49	25	20	8140	1940	41	20	40422	2573.2	41	20	40620	2593	41	20	40818	2612.8	24.18	24.23	0.05	

LTE Down Link 6CA 4x4 MIMO Call Setup

PCC Setting: Channel /RB/BW/Modulation

PCC Configuration:

- DL Channel: 625 ch
- Operation Band: 625 ch
- Channel Bandwidth: 5 MHz
- Output Level: -30.0 dBm
- UE Power: 24.0 dBm

Measurement Data (Throughput):

Throughput	PCC	SCC1	SCC2	SCC3
Throughput	7906 kbps	7906 kbps	15768 kbps	15768 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 0)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 1)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
Block Error Rate	0.0000	0.0000	0.0000	0.0000
Error Count	0	0	0	0
NACK	0	0	0	0
DTX	0	0	0	0
ANY	0	0	0	0
Transmitted/Sample	2016	2016	2016	2016

SCC1 Setting : Channel /RB/BW/Modulation

SCC1 Configuration:

- DL Channel: 13
- Operation Band: 13
- Channel Bandwidth: 20 MHz
- Output Level: -37.0 dBm
- UE Power: 23.9 dBm

Measurement Data (Throughput):

Throughput	PCC	SCC1	SCC2	SCC3
Throughput	7906 kbps	7906 kbps	15768 kbps	15768 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 0)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 1)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
Block Error Rate	0.0000	0.0000	0.0000	0.0000
Error Count	0	0	0	0
NACK	0	0	0	0
DTX	0	0	0	0
ANY	0	0	0	0
Transmitted/Sample	900	900	900	900

SCC2 Setting (Channel /RB/BW/Modulation) and call Connection

Phone2: 40.105#003
Phone1: 40.105#003

DL Channel: 50665 ch
Operation Band: 46
Channel Bandwidth: 20 MHz
Output Level: -54.2 dBm

Activation: On
Output: On

UE Power: 23.9 dBm

MT8821C
2020/07/15 04:14
RF Output: On
DL 6CCs 2x2/4x4

Common: PCC, SCC1, SCC2, SCC3

Physical Channel: Frequency, Level, Signal

Antenna Configuration: 2x2 MIMO (Open Loop)(TM3)

User Define Channel Model

Channel 1to1/2/3/4 Gain/Phase

0.50 0.0 degree
0.50 0.0 degree
0.25 0.0 degree
0.25 0.0 degree

Channel 2to1/2/3/4 Gain/Phase

0.50 90.0 degree
0.50 -90.0 degree
0.25 180.0 degree
0.25 180.0 degree

Channel 3to1/2/3/4 Gain/Phase

0.25 90.0 degree
0.25 -90.0 degree
0.25 90.0 degree
0.25 -90.0 degree

Channel 4to1/2/3/4 Gain/Phase

0.25 90.0 degree
0.25 -90.0 degree
0.25 -90.0 degree
0.25 90.0 degree

Band Definition

External Loss

System Config

DL RMC

Measurement: Fundamental, Numeric

Throughput

	PCC	SCC1	SCC2	SCC3
Throughput	7906 kbps	7906 kbps	15768 kbps	15768 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 0)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 1)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
Block Error Rate	0.0000	0.0000	0.0000	0.0000
0.00E+000	0.00E+000	0.00E+000	0.00E+000	0.00E+000
Error Count	0	0	0	0
NACK	0	0	0	0
DTX	0	0	0	0
ANY	0	0	0	0
Transmitted/Sample	2016	2016	2016	2016
/ 2000 Block				

Throughput

	SCC4	SCC5	SCC6	SCC7
Throughput	15768 kbps	31622 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
(Code Word 0)	7884 kbps	15811 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
(Code Word 1)	7884 kbps	15811 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
Block Error Rate	0.0000	0.0000	-----	-----

Main Screen: Fundamental, Sub Screen, Numeric, Tag

Connected

Start Call, End Call, Menu

SCC3 Setting (Channel /RB/BW/Modulation) and call Connection

Phone2: 40.105#003
Phone1: 40.105#003

DL Channel: 50467 ch
Operation Band: 46
Channel Bandwidth: 20 MHz
Output Level: -54.2 dBm

Activation: On
Output: On

UE Power: 23.9 dBm

MT8821C
2020/07/15 04:15
RF Output: On
DL 6CCs 2x2/4x4

Common: PCC, SCC1, SCC2, SCC3

Physical Channel: Frequency, Level, Signal

Antenna Configuration: 2x2 MIMO (Open Loop)(TM3)

User Define Channel Model

Channel 1to1/2/3/4 Gain/Phase

0.50 0.0 degree
0.50 0.0 degree
0.25 0.0 degree
0.25 0.0 degree

Channel 2to1/2/3/4 Gain/Phase

0.50 90.0 degree
0.50 -90.0 degree
0.25 180.0 degree
0.25 180.0 degree

Channel 3to1/2/3/4 Gain/Phase

0.25 90.0 degree
0.25 -90.0 degree
0.25 90.0 degree
0.25 -90.0 degree

Channel 4to1/2/3/4 Gain/Phase

0.25 90.0 degree
0.25 -90.0 degree
0.25 -90.0 degree
0.25 90.0 degree

Band Definition

External Loss

System Config

DL RMC

Measurement: Fundamental, Numeric

Throughput

	PCC	SCC1	SCC2	SCC3
Throughput	7906 kbps	7906 kbps	15768 kbps	15768 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 0)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 1)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
Block Error Rate	0.0000	0.0000	0.0000	0.0000
0.00E+000	0.00E+000	0.00E+000	0.00E+000	0.00E+000
Error Count	0	0	0	0
NACK	0	0	0	0
DTX	0	0	0	0
ANY	0	0	0	0
Transmitted/Sample	2016	2016	2016	2016
/ 2000 Block				

Throughput

	SCC4	SCC5	SCC6	SCC7
Throughput	15768 kbps	31622 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
(Code Word 0)	7884 kbps	15811 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
(Code Word 1)	7884 kbps	15811 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
Block Error Rate	0.0000	0.0000	-----	-----

Main Screen: Fundamental, Sub Screen, Numeric, Tag

Connected

Start Call, End Call, Menu

SCC4 Setting (Channel /RB/BW/Modulation) and call Connection

Phone2: 40.185#003
Phone1: 40.185#003

DL Channel: 50663 ch
Activation: On
Output: On

Operation Band: 46
Channel Bandwidth: 20 MHz
Output Level: -54.3 dBm

UE Power: 23.9 dBm

Antenna Configuration: 2x2 MIMO (Open Loop) (M3)

User Define Channel Model

(Channel 1to1/2/3/4 Gain/Phase)

0.50 0.0 degree
0.50 0.0 degree
0.25 0.0 degree
0.25 0.0 degree

(Channel 2to1/2/3/4 Gain/Phase)

0.50 90.0 degree
0.50 -90.0 degree
0.25 180.0 degree
0.25 180.0 degree

(Channel 3to1/2/3/4 Gain/Phase)

0.25 90.0 degree
0.25 -90.0 degree
0.25 90.0 degree
0.25 -90.0 degree

(Channel 4to1/2/3/4 Gain/Phase)

0.25 90.0 degree
0.25 -90.0 degree
0.25 90.0 degree
0.25 -90.0 degree

Band Definition

External Loss

System Config

Measurement

Fundamental

Throughput

	PCC	SCC1	SCC2	SCC3
Throughput	7906 kbps	7906 kbps	15768 kbps	15768 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 0)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 1)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
Block Error Rate	0.0000	0.0000	0.0000	0.0000
0.00E+000	0.00E+000	0.00E+000	0.00E+000	0.00E+000
Error Count	0	0	0	0
NACK	0	0	0	0
DTX	0	0	0	0
ANY	0	0	0	0
Transmitted/Sample	1800	1800	1800	1800
/ 2000 Block				

SCC4

Throughput

	SCC4	SCC5	SCC6	SCC7
Throughput	15768 kbps	31622 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
(Code Word 0)	7884 kbps	15811 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
(Code Word 1)	7884 kbps	15811 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
Block Error Rate	0.0000	0.0000	-----	-----

MT8821C
2020/07/15 04:15
RF Output : On
DL 6CCs 2x2/4x4

ConfigWarning
Band Cal

Home
Preset
Measuring...
Tx
Rx
Single
Continuous
Connected
Start Call
End Call
Menu

SCC6 Setting (Channel /RB/BW/Modulation) and call Connection

Phone2: 40.185#003
Phone1: 40.185#003

DL Channel: 50663 ch
Activation: On
Output: On

Operation Band: 46
Channel Bandwidth: 20 MHz
Output Level: -54.3 dBm

UE Power: 23.9 dBm

Antenna Configuration: 4x4 MIMO (M3)

User Define Channel Model

(Channel 1to1/2/3/4 Gain/Phase)

0.25 0.0 degree
0.25 0.0 degree
0.25 0.0 degree
0.25 0.0 degree

(Channel 2to1/2/3/4 Gain/Phase)

0.25 90.0 degree
0.25 0.0 degree
0.25 0.0 degree
0.25 180.0 degree

(Channel 3to1/2/3/4 Gain/Phase)

0.25 90.0 degree
0.25 -90.0 degree
0.25 90.0 degree
0.25 -90.0 degree

(Channel 4to1/2/3/4 Gain/Phase)

0.25 90.0 degree
0.25 -90.0 degree
0.25 90.0 degree
0.25 -90.0 degree

Band Definition

External Loss

System Config

Measurement

Fundamental

Throughput

	PCC	SCC1	SCC2	SCC3
Throughput	7906 kbps	7906 kbps	15768 kbps	15768 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 0)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
(Code Word 1)	3953 kbps	3953 kbps	7884 kbps	7884 kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= 100.00 %)
Block Error Rate	0.0000	0.0000	0.0000	0.0000
0.00E+000	0.00E+000	0.00E+000	0.00E+000	0.00E+000
Error Count	0	0	0	0
NACK	0	0	0	0
DTX	0	0	0	0
ANY	0	0	0	0
Transmitted/Sample	2016	2016	2016	2016
/ 2000 Block				

SCC4

Throughput

	SCC4	SCC5	SCC6	SCC7
Throughput	15768 kbps	31622 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
(Code Word 0)	7884 kbps	15811 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
(Code Word 1)	7884 kbps	15811 kbps	----- kbps	----- kbps
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	(= ----- %)
Block Error Rate	0.0000	0.0000	-----	-----

MT8821C
2020/07/15 04:15
RF Output : On
DL 6CCs 2x2/4x4

ConfigWarning
Band Cal

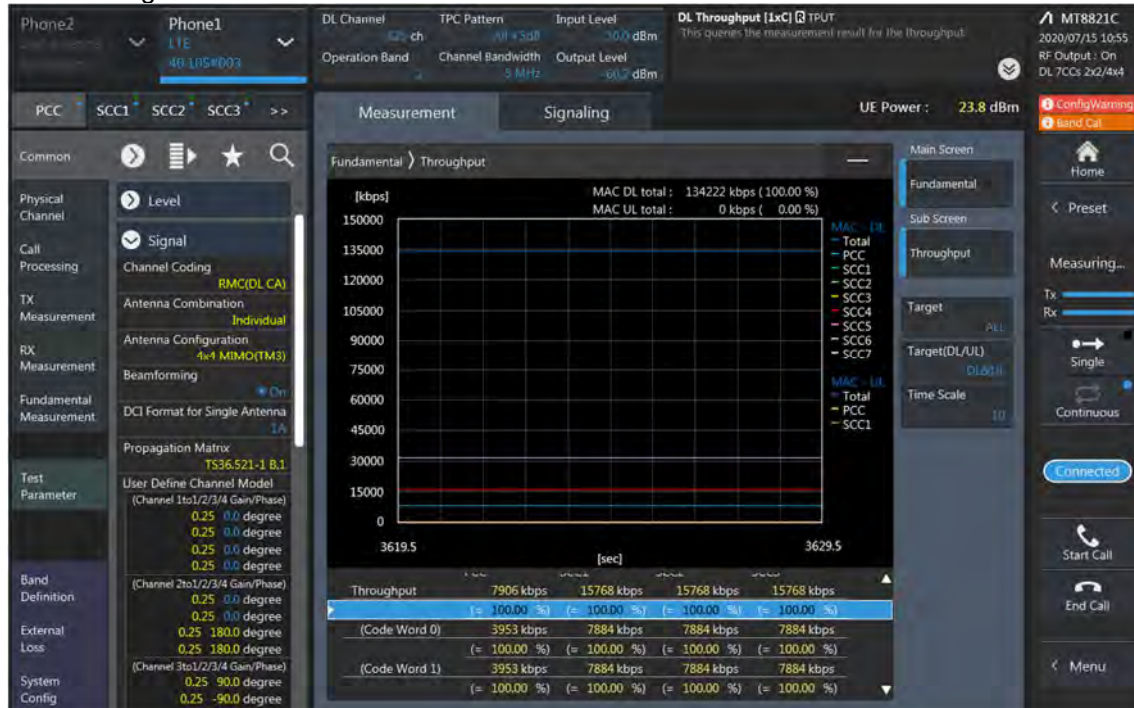
Home
Preset
Measuring...
Tx
Rx
Single
Continuous
Connected
Start Call
End Call
Menu

LTE Downlink 6CA 4X4 MIMO Maximum Conducted Power

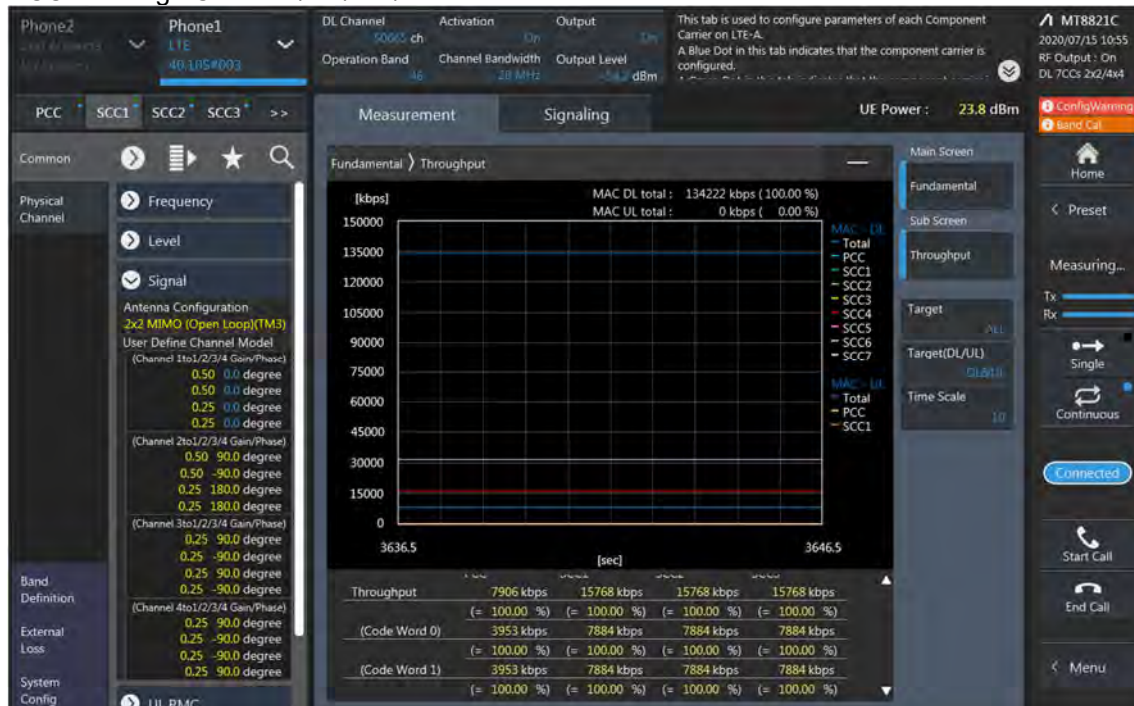
Combination	PCC								SCC				SCC				SCC				SCC				SCC				Tx Power		Dev.	
	Band	BW	PCC UL Channel	PCC UL Frequency	PCC DL Channel	PCC DL Frequency	Mod	RB offset	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	Band	BW	SCC DL Channel	SCC DL Frequency	LTE Single Carrier Tx Power (dBm)	LTE Tx Power with DL CA Enabled (dBm)		
[2A]-5A-46D-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.15	24.12	-0.03
2A-5A-46D-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.15	24.13	-0.02
[2A]-5A-46D-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.15	24.11	-0.04
[2A]-5A-46D-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.59	24.58	-0.01
2A-5A-46D-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.59	24.54	-0.05
[2A]-5A-46D-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.59	24.56	-0.03
[2A]-5A-46D-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.12	0.01
2A-5A-46D-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.07	-0.04
[2A]-5A-46D-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	5	10	2525	881.5	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.05	-0.06
[2A]-5A-46E	2	5	18625	1852.5	625	1932.5	QPSK	1	12	5	10	2525	881.5	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	24.15	24.21	0.06
[2A]-5A-46E	5	10	20525	836.5	2525	881.5	QPSK	1	0	2	20	900	1960	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	24.59	24.61	0.02
[2A]-13A-46D-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	13	10	5230	751	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.15	24.21	0.06
2A-13A-46D-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	13	10	5230	751	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.15	24.2	0.05
[2A]-13A-46D-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	13	10	5230	751	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.15	24.17	0.02
[2A]-13A-46D-66A	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.17	24.18	0.01
2A-13A-46D-[66A]	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.17	24.09	-0.08
[2A]-13A-46D-[66A]	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	66	20	66786	2145	24.17	24.11	-0.06
[2A]-13A-46D-66A	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	13	10	5230	751	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.13	0.02
2A-13A-46D-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	13	10	5230	751	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.15	0.04
[2A]-13A-46D-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	13	10	5230	751	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.19	0.08
[2A]-13A-46E	2	5	18625	1852.5	625	1932.5	QPSK	1	12	13	10	5230	751	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	24.15	24.18	0.03
[2A]-13A-46E	13	10	23230	782	5230	751	QPSK	1	49	2	20	900	1960	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	24.17	24.18	0.01
[2A]-46D-66A-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5518	46	20	50863	5557.3	66	20	66786	2145	66	20	67236	2190	24.15	24.16	0.01
2A-46D-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5518	46	20	50863	5557.3	66	20	66786	2145	66	20	67236	2190	24.15	24.2	0.05
[2A]-46D-[66A]-66A	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5518	46	20	50863	5557.3	66	20	66786	2145	66	20	67236	2190	24.15	24.18	0.03
[2A]-46D-[66A]-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5518	46	20	50863	5557.3	66	20	66786	2145	66	20	67236	2190	24.15	24.15	0
[2A]-46D-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.09	-0.02
2A-46D-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.12	0.01
[2A]-46D-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.15	0.04
[2A]-46D-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	2	20	900	1960	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	24.11	24.07	-0.04
2A-46E-[66A]	2	5	18625	1852.5	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5518	46	20	50863	5557.3	46	20	51061	5577.1	66	20	66786	2145	24.15	24.16	0.01
2A-46E-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	2	20	900	1960	46	20	50665	5538	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	24.11	24.07	-0.04
5A-46D-[66A]-66A	5	10	20525	836.5	2525	881.5	QPSK	1	0	46	20	50665	5537.5	46	20	50467	5518	46	20	50863	5557.3	66	20	66786	2145	66	20	67236	2190	24.59	24.56	-0.03
5A-46D-[66A]-[66A]	5	10	20525	836.5	2525	881.5	QPSK	1	0	46	20	50665	5537.5	46	20	50467	5518	46	20	50863	5557.3	66	20	66786	2145	66	20	67236	2190	24.59	24.59	0
5A-46D-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	5	10	2525	881.5	46	20	50665												

LTE Down Link 7CA 4x4 MIMO Call Setup

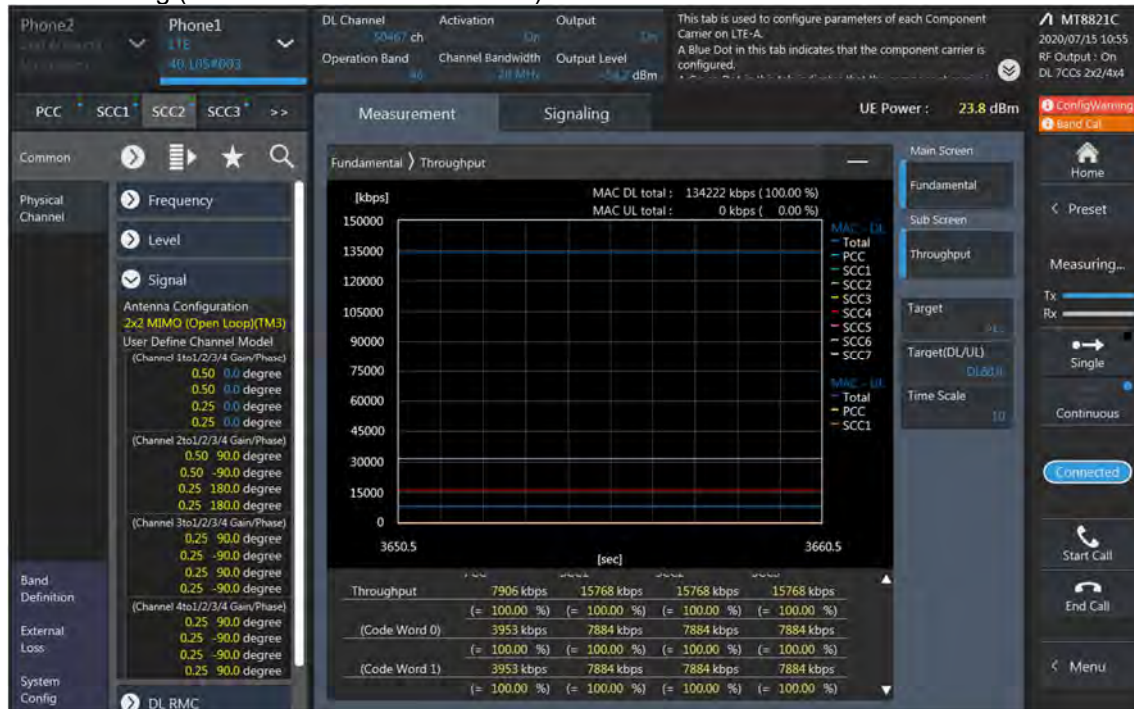
PCC Setting: Channel /RB/BW/Modulation



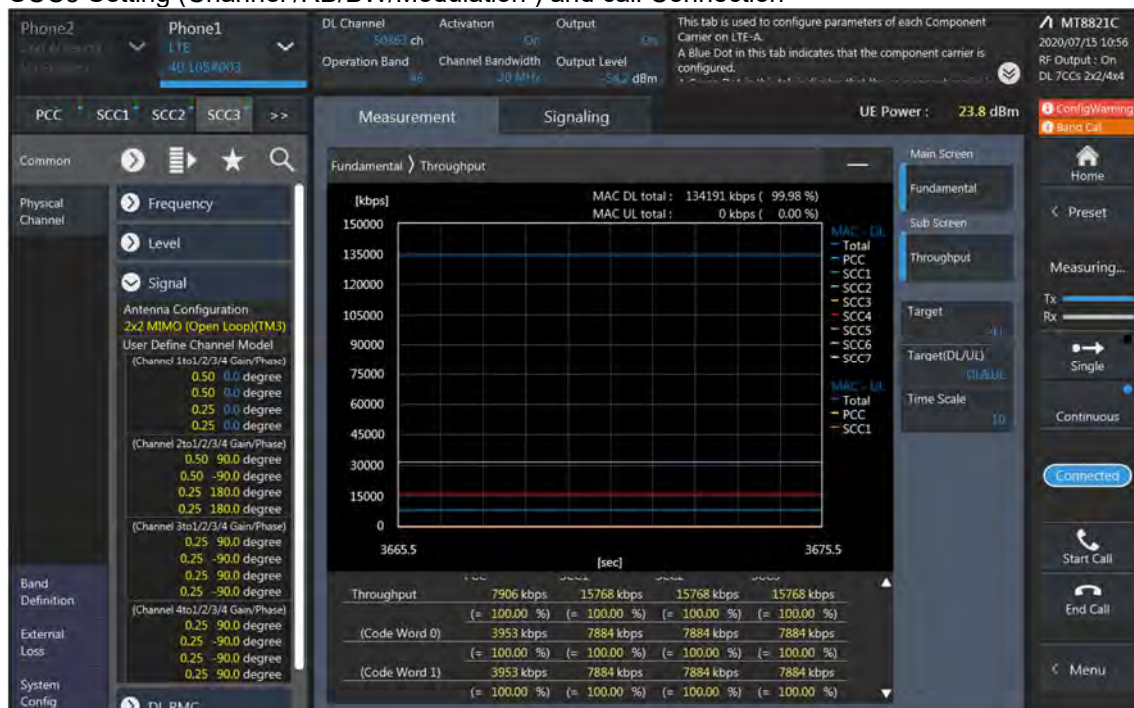
SCC1 Setting : Channel /RB/BW/Modulation



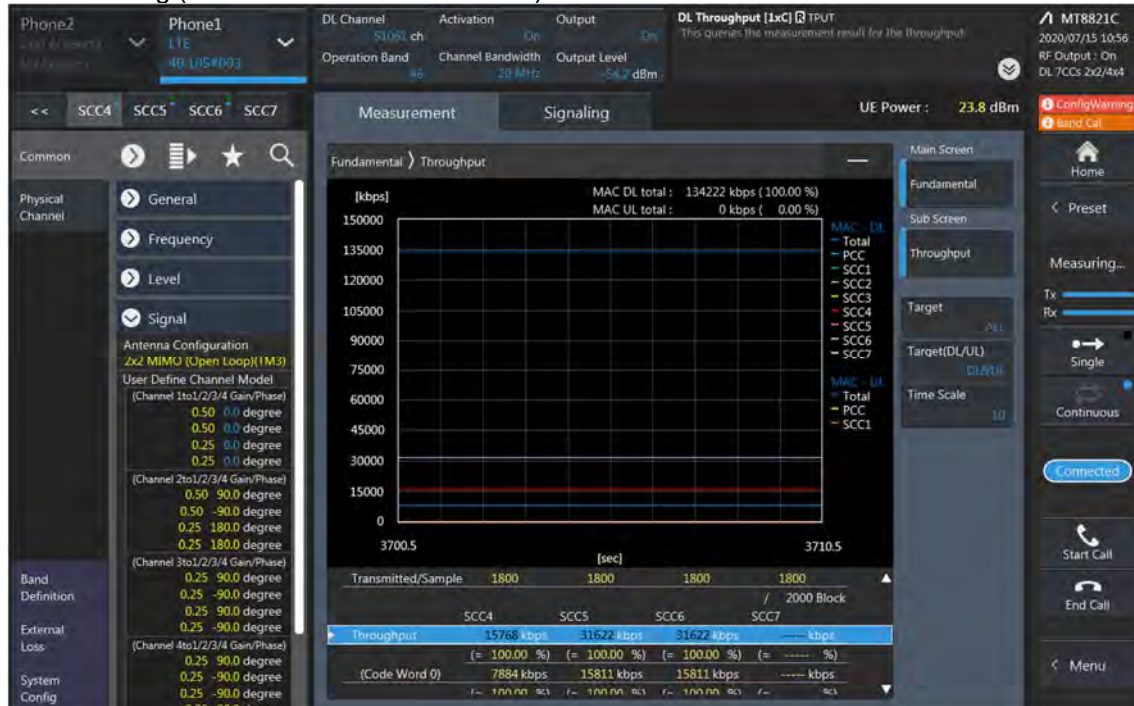
SCC2 Setting (Channel /RB/BW/Modulation) and call Connection



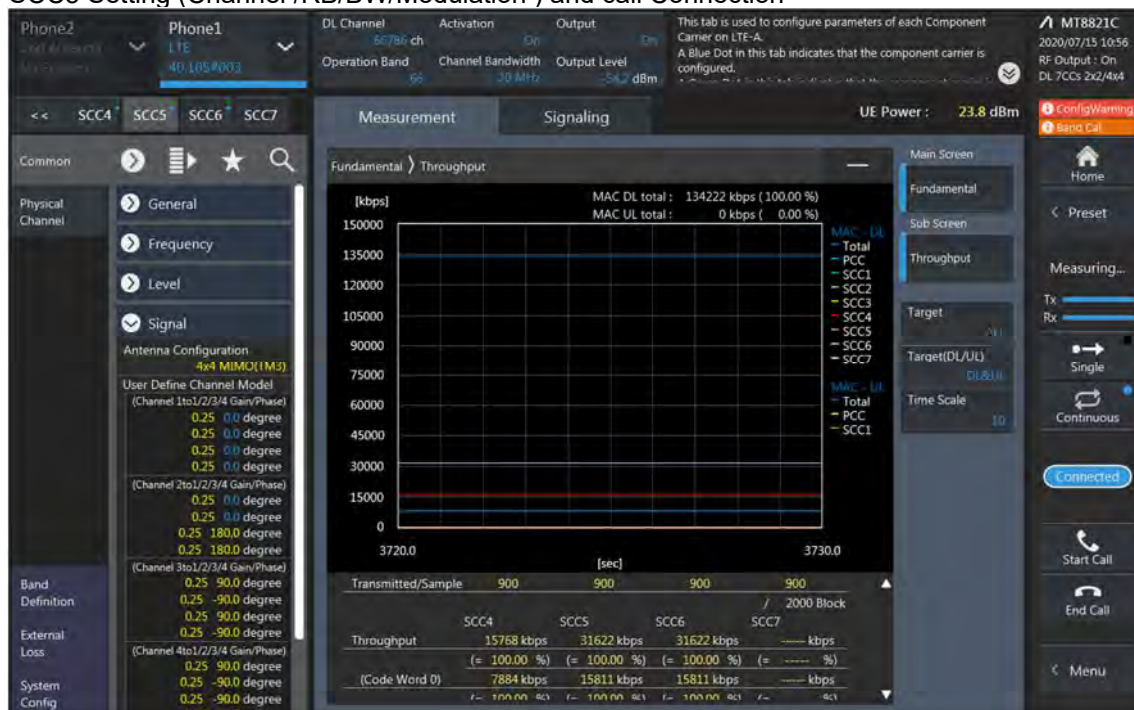
SCC3 Setting (Channel /RB/BW/Modulation) and call Connection



SCC4 Setting (Channel /RB/BW/Modulation) and call Connection



SCC5 Setting (Channel /RB/BW/Modulation) and call Connection



Phone2 **Phon1** **DL Channel** **Activation** **Output** **MT8821C**
LTE **ch** **Carrier on LTE-A** **2020/07/15 10:56**
40.1054003 **Operation Band** **Channel Bandwidth** **Output Level** **RF Output : On**
<< SCC4 SCC5 SCC6 SCC7 **20 MHz** **20 dBm** **DL 7CCS 2x2/4x4**

Measurement **Signaling** **UE Power : 23.8 dBm**

Fundamental **Throughput**

MAC DL total : 134222 kbps (100.00 %)
 MAC UL total : 0 kbps (0.00 %)

[kbps]

150000
135000
120000
105000
90000
75000
60000
45000
30000
15000
0

3733.5 [sec] 3743.5

Transmitted/Sample 900 900 900 / 2000 Block

Throughput	SCC4	SCC5	SCC6	SCC7
15768 kbps	31622 kbps	31622 kbps	----- kbps	
(= 100.00 %)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	
7884 kbps	15811 kbps	15811 kbps	----- kbps	
(Code Word 0)	(= 100.00 %)	(= 100.00 %)	(= ----- %)	

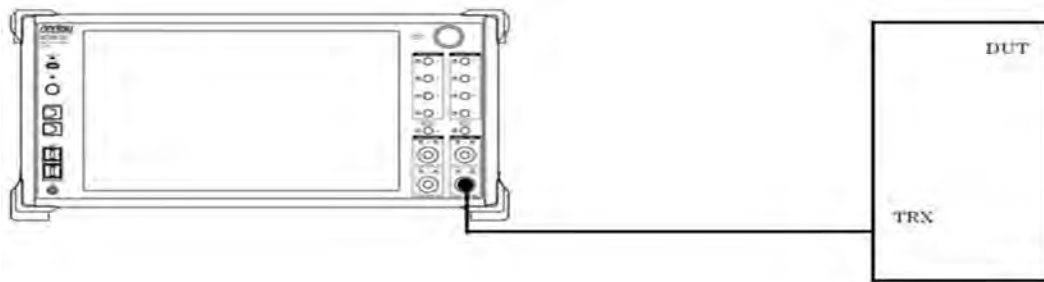
Main Screen
Fundamental
Sub Screen
Throughput
Target
Target(DL/UL)
Time Scale

Home
Preset
Measuring...
Tx
Rx
Single
Continuous
Connected
Start Call
End Call
Menu

Combination	F0C							S0C			S0C			S0C			S0C			S0C			S0C			Tx Power			Cntr							
	Band	SN	F0C UL Channel	F0C UL Frequency	F0C DL Channel	F0C DL Frequency	Modulation	PS	Offset	Band	SN	F0C UL Channel	F0C UL Frequency	Band	SN	F0C UL Channel	F0C UL Frequency	Band	SN	F0C UL Channel	F0C UL Frequency	Band	SN	F0C UL Channel	F0C UL Frequency	Band	SN	F0C UL Channel		F0C UL Frequency	1st Tx Power (dBm)	2nd Tx Power (dBm)				
[2A]-46E-66A-66A	2	5	18625	1853	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	66	20	66786	2145	66	20	67236	2190	24.15	24.1	-0.02
2A-46E-[66A]-66A	2	5	18625	1853	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	66	20	66786	2145	66	20	67236	2190	24.15	24.1	-0.05
[2A]-46E-[66A]-66A	2	5	18625	1853	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	66	20	66786	2145	66	20	67236	2190	24.15	24.1	-0.03
2A-46E-[66A]-[66A]	2	5	18625	1853	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	66	20	66786	2145	66	20	67236	2190	24.15	24.1	-0.06
[2A]-46E-[66A]-[66A]	2	5	18625	1853	625	1932.5	QPSK	1	12	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	66	20	66786	2145	66	20	67236	2190	24.15	24.2	0
[2A]-46E-66A-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	2	20	900	1960	24.11	24.1	-0.02
2A-46E-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	2	20	900	1960	24.11	24.1	-0.05
[2A]-46E-[66A]-66A	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	2	20	900	1960	24.11	24.1	0
2A-46E-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	2	20	900	1960	24.11	24.1	0.01
[2A]-46E-[66A]-[66A]	66	5	132322	1745	66786	2145	QPSK	1	12	66	20	67236	2190	46	20	50665	5537.5	46	20	50467	5517.7	46	20	50863	5557.3	46	20	51061	5577.1	2	20	900	1960	24.11	24.1	-0.03

11.3 LTE Up-link Carrier Aggregation Conducted Powers Setup

To measure the LTE UP CA power of this device, Anritsu's MT8821C was used to check the power as follows.



Power Measurement setup

.TDD CA_41C Intra-Band Contiguous Call Connection

Set to MT8821C with following parameters:

- Set up the call box for PCC Configuration for LTE Uplink CA
- Set up the call box for SCC Configuration for LTE Uplink CA
- Measure the maximum output power in Uplink LTE CA conditions.

The screenshot shows the MT8821C software interface. The 'PCC' tab is selected. The 'Authentication Key K' is set to '00112233 44556677 8899AABB CCDD EEEF'. The 'Authentication Key Ki [1x1]' is set to 'AUTHENT_KEY'. The 'UE Power' is -15.8 dBm. The 'SequenceMonitor' shows the state 'Idle(Regist)'. The 'UE Report' shows the following information:

Item	Value
IMSI(DEC)	001010123456789
IMEI	355888090000740
IMEI (Check Digit)	355888090000745
UE Category	10
UE CategoryDL	10
UE CategoryUL	13
PDN Type	IPv4v6

The 'Signaling Trace' shows the following messages:

U-S	Message	Description	Time at RRC
U->S	UInformationTransfer	IDENTITY RESPONSE	00:27:01.069 (00:00.015)
S->U	UECapabilityEnquiry		00:27:01.089 (00:00.000)
S->U	UECapabilityInformation		00:27:01.243 (00:00.154)
S->U	DInformationTransfer	AUTHENTICATION REQUEST	00:27:01.244 (00:00.001)
U->S	UInformationTransfer	AUTHENTICATION RESPONSE	00:27:01.283 (00:00.039)
S->U	DInformationTransfer	SECURITY MODE COMMAND	00:27:01.293 (00:00.010)
U->S	UInformationTransfer	SECURITY MODE COMPLETE	00:27:01.399 (00:00.106)
S->U	DInformationTransfer	ACTIVATE TEST MODE	00:27:01.409 (00:00.010)
U->S	UInformationTransfer	ACTIVATE TEST MODE COMPLETE	00:27:01.424 (00:00.015)
S->U	SecurityModeCommand		00:27:01.424 (00:00.000)
S->U	SecurityModeComplete		00:27:01.579 (00:00.155)
S->U	RRCONNReconfiguration	ATTACH ACCEPT	00:27:01.594 (00:00.015)
S->U	RRCONNReconfigurationComplete		00:27:01.618 (00:00.024)
U->S	UInformationTransfer	ATTACH COMPLETE	00:27:01.639 (00:00.021)
S->U	RRConnectionRelease		00:27:01.739 (00:00.100)

Call 1 :Select PCC Configuration for Authentication key to Register

Phone2: 30.00S#0003, Phone1: 30.70S#0005, LTE

DL Channel: 40340 ch, TPC Pattern: All +3dB, Input Level: 30.0 dBm, Operation Band: 41, Channel Bandwidth: 20 MHz, Output Level: -58.0 dBm

External Loss - Main DL: DLEXTLOSS

Common: PCC, SCC1, SCC2, SCC3

Physical Channel: Level, Input Level: 30.0 dBm, PCC/SCC Common Input Level: On

TX Measurement: Output Level: On

RX Measurement: (Total): -58.0 dBm, (EPRE): -88.8 dBm/15kHz, AWGN Level: 30.0 dB, On

Test Parameter: External Loss: On, Main UL: 0.5 dB, Main DL: 0.5 dB, AUX1: 0.0 dB

Band Definition: Signal, Channel Coding: RMC(DL/UL CA), Antenna Combination: Common

SequenceMonitor: Off, Idle, Detach, Registration, Idle(Regist), UE Origination, NW Origination, Connected, UE Release, NW Release, Handover

Signaling Trace: U-S Message, Description, Time at RRC

U-S Message	Description	Time at RRC
U-InformationTransfer	IDENTITY RESPONSE	00:27:01.089 (00:00:015)
U-ECapabilityEnquiry		00:27:01.089 (00:00:000)
U-ECapabilityInformation		00:27:01.243 (00:00:154)
D-InformationTransfer	AUTHENTICATION REQUEST	00:27:01.244 (00:00:001)
D-InformationTransfer	AUTHENTICATION RESPONSE	00:27:01.283 (00:00:039)
D-InformationTransfer	SECURITY MODE COMMAND	00:27:01.293 (00:00:010)
D-InformationTransfer	SECURITY MODE COMPLETE	00:27:01.399 (00:00:106)
D-InformationTransfer	ACTIVATE TEST MODE	00:27:01.409 (00:00:010)
D-InformationTransfer	ACTIVATE TEST MODE COMPLETE	00:27:01.424 (00:00:000)
SecurityModeCommand		00:27:01.579 (00:00:155)
SecurityModeComplete		00:27:01.594 (00:00:015)
RRCCONNReconfiguration	ATTACH ACCEPT	00:27:01.618 (00:00:024)
RRCCONNReconfigurationComplete	ATTACH COMPLETE	00:27:01.639 (00:00:021)
RRCCONNRelease		00:27:01.739 (00:00:100)

UE Power: -15.4 dBm

Call 2 :Select PCC Configuration for LTE UL CA and Cable loss

Phone2: 30.00S#0003, Phone1: 30.70S#0005, LTE

DL Channel: 40340 ch, TPC Pattern: All +3dB, Input Level: 30.0 dBm, Operation Band: 41, Channel Bandwidth: 20 MHz, Output Level: -58.0 dBm

External Loss - Main DL: DLEXTLOSS

Common: PCC, SCC1, SCC2, SCC3

Physical Channel: Level, Input Level: 30.0 dBm, PCC/SCC Common Input Level: On

TX Measurement: Output Level: On

RX Measurement: (Total): -58.0 dBm, (EPRE): -88.8 dBm/15kHz, AWGN Level: 30.0 dB, On

Test Parameter: External Loss: On, Main UL: 0.5 dB, Main DL: 0.5 dB, AUX1: 0.0 dB

Band Definition: Signal, Channel Coding: RMC(DL/UL CA), Antenna Combination: Common

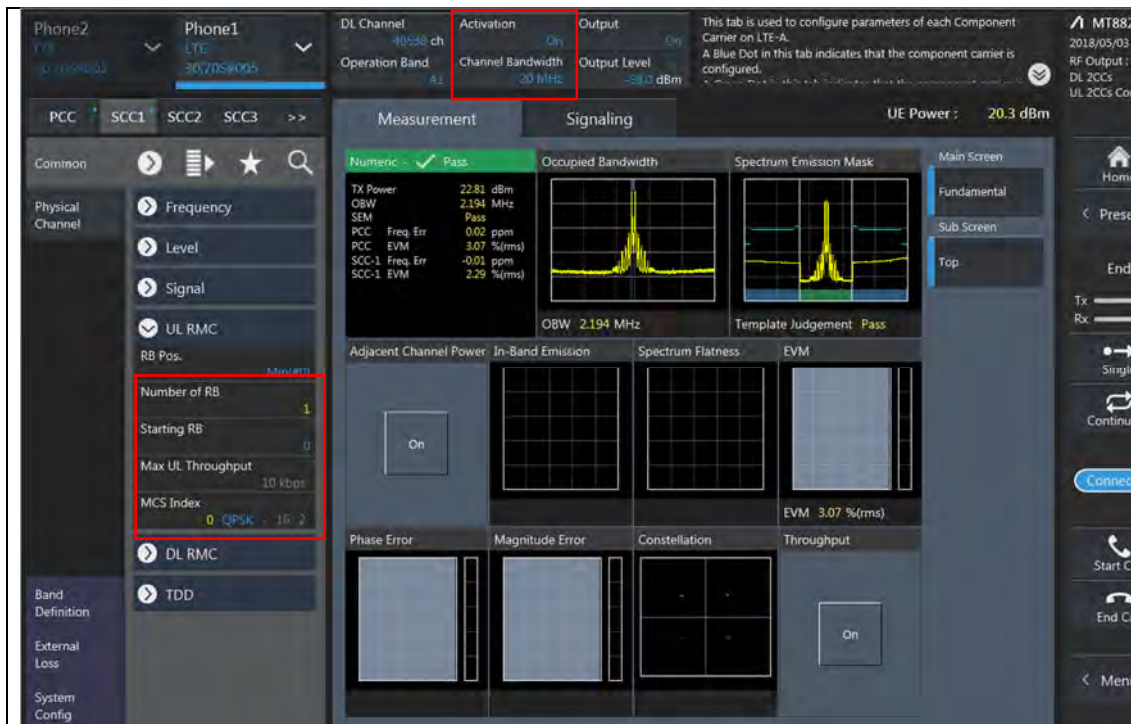
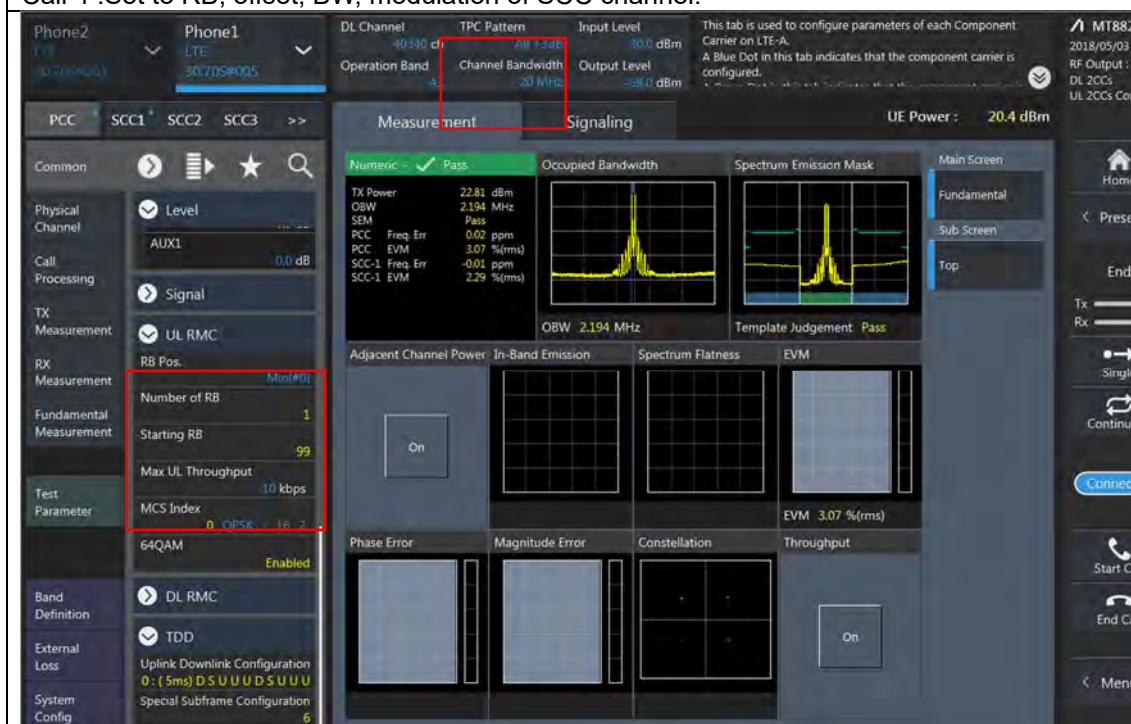
SequenceMonitor: Off, Idle, Detach, Registration, Idle(Regist), UE Origination, NW Origination, Connected, UE Release, NW Release, Handover

Signaling Trace: U-S Message, Description, Time at RRC

U-S Message	Description	Time at RRC
L2 message	Random Access Preamble	00:28:32.920 (00:00:057)
L2 message	Random Access Response	00:28:32.921 (00:00:001)
RRCCONNRequest		00:28:32.937 (00:00:016)
RRCCONNSetup		00:28:32.942 (00:00:005)
RRCCONNSetupComplete		00:28:32.964 (00:00:022)
D-InformationTransfer	AUTHENTICATION REQUEST	00:28:32.965 (00:00:001)
D-InformationTransfer	AUTHENTICATION RESPONSE	00:28:33.094 (00:00:129)
D-InformationTransfer	SECURITY MODE COMMAND	00:28:33.104 (00:00:010)
D-InformationTransfer	SECURITY MODE COMPLETE	00:28:33.119 (00:00:015)
SecurityModeCommand		00:28:33.119 (00:00:000)
SecurityModeComplete		00:28:33.229 (00:00:110)
RRCCONNReconfiguration		00:28:33.230 (00:00:001)
RRCCONNReconfigurationComplete		00:28:33.264 (00:00:024)
RRCCONNRelease		00:28:33.423 (00:00:163)

UE Power: 16.6 dBm

Call 3 :Select PCC Configuration for LTE TDD " Uplink Downlink Configuration" set to "0"
And then Select "connect"button.



Uplink Carrier aggregation Conducted Powers – Maximum conducted Power

		Freq.	ch	BW	RB size	RB offset	Position	max power	CA power
LTE 5B	PCC	836.5	20525	10MHz	1	0	Rear	25.5	24.29
	SCC	829.3	20453	5MHz	1	24			
LTE 66B	PCC	1745.0	132322	15MHz	1	0	Top	25.0	24.10
	SCC	1735.7	132229	5MHz	1	24			
LTE 66C	PCC	1745.0	132322	20MHz	1	0	Top	25.0	24.38
	SCC	1725.2	132124	20MHz	1	99			
LTE 41C(PC3)	PCC	2593	40620	20MHz	1	0	Top	25.5	25.21
	SCC	25732	40422	20MHz	1	99			
LTE 41C(PC2)	PCC	2593	40620	20MHz	1	0	Top	28	27.78
	SCC	25732	40422	20MHz	1	99			

Uplink Carrier aggregation Conducted Powers – Reduced conducted Power

		Freq.	ch	BW	RB size	RB offset	Position	max power	CA power
LTE 5B	PCC	836.5	20525	10MHz	1	24	Top	17.0	15.81
	SCC	829.3	20453	5MHz	1	0			
LTE 66B	PCC	1745.0	132322	15MHz	1	0	Top	15.0	14.08
	SCC	1735.7	132229	5MHz	1	11			
LTE 66C	PCC	1745.0	132322	20MHz	1	0	Top	15.0	14.33
	SCC	1725.2	132124	20MHz	1	49			
LTE 41C	PCC	2593	40620	20MHz	1	0	Top	15	14.83
	SCC	25732	40422	20MHz	1	99			

11.4 NR Maximum Output Power

11.4.1 5G NR Call Box Setup

11.3.1.1 Procedure used to establish output Power measurement for NR Bands

- Select operating band, BW and Channel.
- Click Cell on button in the right of Test application screen.
- Turn the LTE Cell On using “ON/OFF” Key.

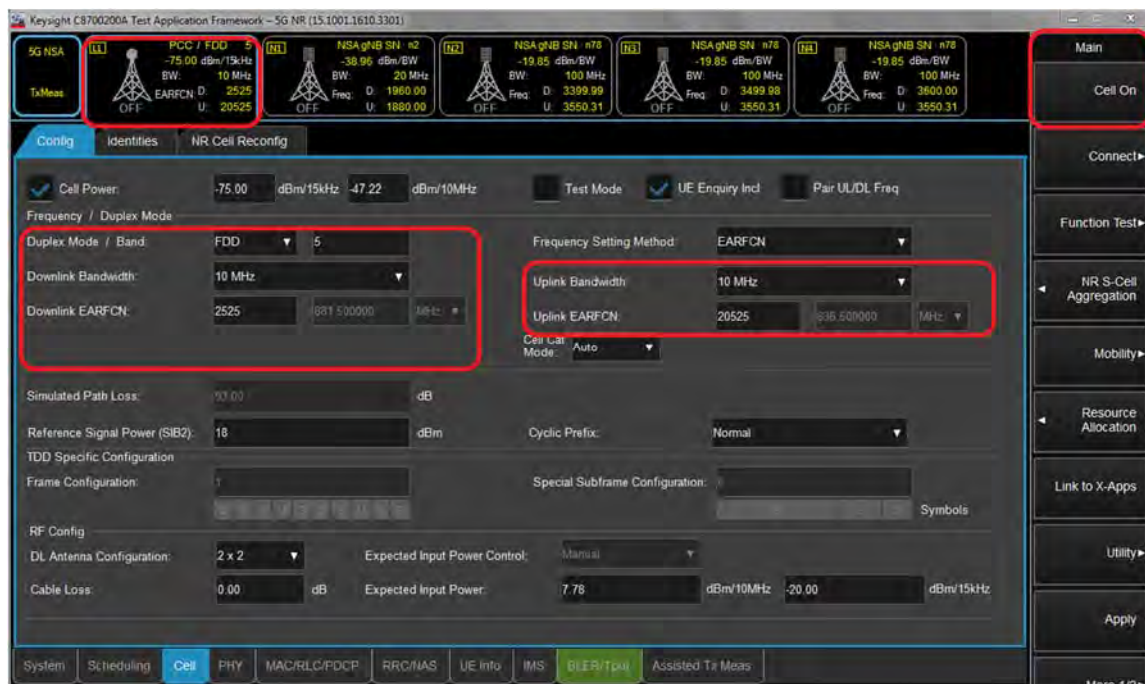


Figure-1

- Turn the Airplane Mode On and then turn the Airplane mode off.
- Select All down bits for UL Power control Mode in LTE.

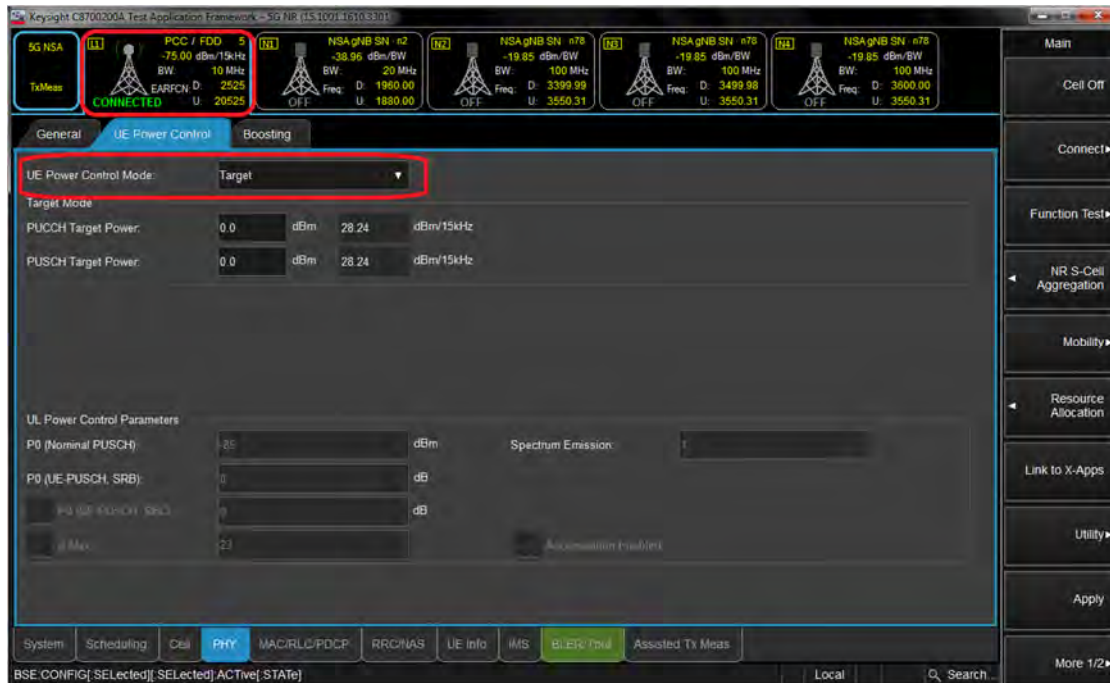


Figure-2