DL LTE CA Class	PCC									SCC1			SCC 2			SCC 3			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	1	0	100	0	18700	700	2	20	898	/	/	/	/	/	/	23.68	23.62	24.50
CA_66B	66	10	QPSK	1	49	50	0	132322	66786	66	10	66885	/	/	/	/	/	/	23.44	23.34	24.50
CA_66C	66	20	QPSK	1	99	100	0	132072	66536	66	20	66734	/	/	/	/	/	/	23.73	23.55	24.50
CA_2A-17A	2	20	QPSK	1	0	100	0	18700	700	17	10	5790	/	/	/	/	/	/	23.68	23.55	24.50
	17	10	QPSK	1	49	50	0	23780	5780	2	20	900	/	/	/	/	/	/	23.99	23.78	25.00
CA_4A-17A	4	20	QPSK	1	0	100	0	20300	2300	17	10	5790	/	/	/	/	/	/	23.45	23.36	24.50
	17	10	QPSK	1	49	50	0	23780	5780	4	20	2175	/	/	/	/	/	/	23.99	23.78	25.00
CA_5A-7A	5	10	QPSK	1	25	50	0	20450	2450	7	20	3100	/	/	/	/	/	/	23.97	23.87	25.00
	7	20	16QAM	1	0	100	0	20850	2850	5	10	2525	/	/	/	/	/	/	21.73	21.59	22.50
CA_66D	66	20	QPSK	1	99	100	0	132072	66536	66	20	66734	66	20	66932	/	/	/	23.73	23.46	24.50
CA_2A-4A-4A	2	20	QPSK	1	0	100	0	18700	700	4	20	2175	4	20	2300	/	/	/	23.68	23.58	24.50
	4	20	QPSK	1	0	100	0	20300	2300	4	20	2050	2	20	900	/	/	/	23.45	23.36	24.50
CA_2A-66A-66A	2	20	QPSK	1	0	100	0	18700	700	66	20	66786	66	20	67236	/	/	/	23.68	23.49	24.50
	66	20	QPSK	1	99	100	0	132072	66536	66	20	67236	2	20	900	/	/	/	23.73	23.55	24.50
CA_4A-4A-5A	4	20	QPSK	1	0	100	0	20300	2300	4	20	2050	5	10	2525	/	/	/	23.45	23.36	24.50
	5	10	QPSK	1	25	50	0	20450	2450	4	20	2175	4	20	2300	/	/	/	23.97	23.87	25.00
CA_4A-4A-7A	4	20	QPSK	1	0	100	0	20300	2300	4	20	2050	7	20	3100	/	/	/	23.45	23.36	24.50
	7	20	16QAM	1	0	100	0	20850	2850	4	20	2175	4	20	2300	/	/	/	21.73	21.39	22.50
CA_4A-12B	4	20	QPSK	1	0	100	0	20300	2300	12	10	5095	12	5	5155	/	/	/	23.45	23.36	24.50
CA_4A-4A-12A	4	20	QPSK	1	0	100	0	20300	2300	4	20	2050	12	10	5095	/	/	/	23.45	23.36	24.50
CA_5A-7C	5	10	QPSK	1	25	50	0	20450	2450	7	20	3100	7	20	3298	/	/	/	23.97	23.87	25.00
	7	20	16QAM	1	0	100	0	20850	2850	7	20	3048	5	10	2525	/	/	/	21.73	21.55	22.50
CA_5A-66A-66A	5	10	QPSK	1	25	50	0	20450	2450	66	20	66768	66	20	67236	/	/	/	23.97	23.87	25.00
	66	20	QPSK	1	99	100	0	132072	66536	66	20	67236	5	10	2525	/	/	/	23.73	23.43	24.50
CA_12A-66A-66A	66	20	QPSK	1	99	100	0	132072	66536	66	20	67236	12	10	5095	/	/	/	23.73	23.38	24.50
CA_2A-4A-5A	2	20	QPSK	1	0	100	0	18700	700	4	20	2175	5	10	2525	/	/	/	23.68	23.49	24.50
	4	20	QPSK	1	0	100	0	20300	2300	2	20	900	5	10	2525	/	/	/	23.45	23.36	24.50
	5	10	QPSK	1	25	50	0	20450	2450	2	20	900	4	20	2175	/	/	/	23.97	23.87	25.00
CA_7C-66A-66A	7	20	16QAM	1	0	100	0	20850	2850	7	20	3048	66	20	66786	66	20	67236	21.73	21.43	22.50
	66	20	QPSK	1	99	100	0	132072	66536	66	20	67236	7	20	3100	7	20	3298	23.73	23.44	24.50
CA_2A-4A-7C	2	20	QPSK	1	0	100	0	18700	700	4	20	2175	7	20	3100	7	20	3298	23.68	23.27	24.50
	7	20	16QAM	1	0	100	0	20850	2850	7	20	3048	2	20	900	4	20	2175	21.73	21.60	22.50
	4	20	QPSK	1	0	100	0	20300	2300	2	20	900	7	20	3100	7	20	3298	23.45	23.36	24.50
CA_2A-4A-7A-7A	2	20	QPSK	1	0	100	0	18700	700	4	20	2175	7	20	3100	7	20	3350	23.68	23.53	24.50
	4	20	QPSK	1	0	100	0	20300	2300	2	20	900	7	20	3100	7	20	3350	23.45	23.36	24.50
	7	20	16QAM	1	0	100	0	20850	2850	7	20	3350	2	20	900	4	20	2175	21.73	21.46	22.50
CA_2A-4A-12A-12A	2	20	QPSK	1	0	100	0	18700	700	4	20	2175	12	5	5095	12	5	5155	23.68	23.58	24.50
	4	20	QPSK	1	0	100	0	20300	2300	2	20	900	12	5	5095	12	5	5155	23.45	23.36	24.50
CA_2A-2A-12A-66A	2	20	QPSK	1	0	100	0	18700	700	2	20	1100	12	10	5095	66	20	66786	23.68	23.66	24.50
	66	20	QPSK	1	99	100	0	132072	66536	2	20	900	2	20	1100	12	10	5095	23.73	23.56	24.50
CA_2A-12B-66A	2	20	QPSK	1	0	100	0	18700	700	12	10	5095	12	5	5155	66	20	66786	23.68	23.48	24.50
	66	20	QPSK	1	99	100	0	132072	66536	2	20	900	12	10	5095	12	5	5155	23.73	23.43	24.50
CA_2A-4A-7A-12A	2	20	QPSK	1	0	100	0	18700	700	4	20	2175	7	20	3100	12	10	5095	23.68	23.56	24.50
	4	20	QPSK	1	0	100	0	20300	2300	2	20	900	7	20	3100	12	10	5095	23.45	23.36	24.50
	7	20	16QAM	1	0	100	0	20850	2850	2	20	900	4	20	2300	12	10	5095	21.73	21.43	22.50

Table 106: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D1)

DL LTE CA Class	PCC									SCC1			SCC 2			SCC 3			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	16QAM	1	99	100	0	18700	700	2	20	898	/	/	/	/	/	/	16.93	16.70	17.50
CA_66B	66	10	64QAM	1	25	50	0	132322	66786	66	10	66885	/	/	/	/	/	/	16.67	16.61	17.50
CA_66C	66	20	16QAM	1	99	100	0	132072	66536	66	20	66734	/	/	/	/	/	/	17.11	16.86	17.50
CA_2A-17A	2	20	16QAM	1	99	100	0	18700	700	17	10	5790	/	/	/	/	/	/	16.93	16.72	17.50
	17	10	QPSK	1	49	50	0	23780	5780	2	20	900	/	/	/	/	/	/	23.99	23.78	25.00
CA_4A-17A	4	20	16QAM	1	99	100	0	20050	2050	17	10	5790	/	/	/	/	/	/	18.00	17.86	18.50
	17	10	QPSK	1	49	50	0	23780	5780	4	20	2175	/	/	/	/	/	/	23.99	23.78	25.00
CA_5A-7A	5	10	QPSK	1	25	50	0	20450	2450	7	20	3100	/	/	/	/	/	/	23.97	23.87	25.00
	7	20	16QAM	1	99	100	0	20850	2850	5	10	2525	/	/	/	/	/	/	21.27	21.20	22.00
CA_66D	66	20	16QAM	1	99	100	0	132072	66536	66	20	66734	66	20	66932	/	/	/	17.11	16.85	17.50
CA_2A-4A-4A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	4	20	2300	/	/	/	16.93	16.46	17.50
	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	2	20	900	/	/	/	18.00	17.86	18.50
CA_2A-66A-66A	2	20	16QAM	1	99	100	0	18700	700	66	20	66786	66	20	67236	/	/	/	16.93	16.50	17.50
	66	20	16QAM	1	99	100	0	132072	66536	66	20	67236	2	20	900	/	/	/	17.11	16.59	17.50
CA_4A-4A-5A	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	5	10	2525	/	/	/	18.00	17.86	18.50
	5	10	QPSK	1	25	50	0	20450	2450	4	20	2175	4	20	2300	/	/	/	23.97	23.87	25.00
CA_4A-4A-7A	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	7	20	3100	/	/	/	18.00	17.86	18.50
	7	20	16QAM	1	99	100	0	20850	2850	4	20	2175	4	20	2300	/	/	/	21.27	21.16	22.00
CA_4A-12B	4	20	16QAM	1	99	100	0	20050	2050	12	10	5095	12	5	5155	/	/	/	18.00	17.86	18.50
CA_4A-4A-12A	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	12	10	5095	/	/	/	18.00	17.86	18.50
CA_5A-7C	5	10	QPSK	1	25	50	0	20450	2450	7	20	3100	7	20	3298	/	/	/	23.97	23.87	25.00
	7	20	16QAM	1	99	100	0	20850	2850	7	20	3048	5	10	2525	/	/	/	21.27	21.10	22.00
CA_5A-66A-66A	5	10	QPSK	1	25	50	0	20450	2450	66	20	66768	66	20	67236	/	/	/	23.97	23.87	25.00
	66	20	16QAM	1	99	100	0	132072	66536	66	20	67236	5	10	2525	/	/	/	17.11	16.84	17.50
CA_12A-66A-66A	66	20	16QAM	1	99	100	0	132072	66536	66	20	67236	12	10	5095	/	/	/	17.11	16.53	17.50
CA_2A-4A-5A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	5	10	2525	/	/	/	16.93	16.38	17.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	5	10	2525	/	/	/	18.00	17.86	18.50
	5	10	QPSK	1	25	50	0	20450	2450	2	20	900	4	20	2175	/	/	/	23.97	23.87	25.00
CA_7C-66A-66A	7	20	16QAM	1	99	100	0	20850	2850	7	20	3048	66	20	66786	66	20	67236	21.27	21.08	22.00
	66	20	16QAM	1	99	100	0	132072	66536	66	20	67236	7	20	3100	7	20	3298	17.11	16.59	17.50
CA_2A-4A-7C	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	7	20	3100	7	20	3298	16.93	16.59	17.50
	7	20	16QAM	1	99	100	0	20850	2850	7	20	3048	2	20	900	4	20	2175	21.27	21.06	22.00
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	7	20	3100	7	20	3298	18.00	17.86	18.50
CA_2A-4A-7A-7A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	7	20	3100	7	20	3350	16.93	16.52	17.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	7	20	3100	7	20	3350	18.00	17.86	18.50
	7	20	16QAM	1	99	100	0	20850	2850	7	20	3350	2	20	900	4	20	2175	21.27	21.11	22.00
CA_2A-4A-12A-12A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	12	5	5095	12	5	5155	16.93	16.39	17.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	12	5	5095	12	5	5155	18.00	17.86	18.50
CA_2A-2A-12A-66A	2	20	16QAM	1	99	100	0	18700	700	2	20	1100	12	10	5095	66	20	66786	16.93	16.47	17.50
	66	20	16QAM	1	99	100	0	132072	66536	2	20	900	2	20	1100	12	10	5095	17.11	16.72	17.50
CA_2A-12B-66A	2	20	16QAM	1	99	100	0	18700	700	12	10	5095	12	5	5155	66	20	66786	16.93	16.55	17.50
	66	20	16QAM	1	99	100	0	132072	66536	2	20	900	12	10	5095	12	5	5155	17.11	16.90	17.50
CA_2A-4A-7A-12A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	7	20	3100	12	10	5095	16.93	16.77	17.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	7	20	3100	12	10	5095	18.00	17.86	18.50
	7	20	16QAM	1	99	100	0	20850	2850	2	20	900	4	20	2300	12	10	5095	21.27	21.13	22.00

Table 107: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D4)

DL LTE CA Class	PCC									SCC1			SCC 2			SCC 3			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	16QAM	1	99	100	0	18700	700	2	20	898	/	/	/	/	/	/	12.91	12.74	13.50
CA_66B	66	10	64QAM	1	25	50	0	132322	66786	66	10	66885	/	/	/	/	/	/	11.69	11.56	12.50
CA_66C	66	20	16QAM	1	0	100	0	132072	66536	66	20	66734	/	/	/	/	/	/	12.00	11.56	12.50
CA_2A-17A	2	20	16QAM	1	99	100	0	18700	700	17	10	5790	/	/	/	/	/	/	12.91	12.68	13.50
	17	10	QPSK	1	49	50	0	23780	5780	2	20	900	/	/	/	/	/	/	23.99	23.78	25.00
CA_4A-17A	4	20	16QAM	1	99	100	0	20050	2050	17	10	5790	/	/	/	/	/	/	14.49	14.36	15.00
	17	10	QPSK	1	49	50	0	23780	5780	4	20	2175	/	/	/	/	/	/	23.99	23.78	25.00
CA_5A-7A	5	10	QPSK	1	25	50	0	20450	2450	7	20	3100	/	/	/	/	/	/	23.97	23.87	25.00
	7	20	16QAM	1	99	100	0	20850	2850	5	10	2525	/	/	/	/	/	/	17.94	17.85	18.50
CA_66D	66	20	16QAM	1	0	100	0	132072	66536	66	20	66734	66	20	66932	/	/	/	12.00	11.59	12.50
CA_2A-4A-4A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	4	20	2300	/	/	/	12.91	12.59	13.50
	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	2	20	900	/	/	/	14.49	14.36	15.00
CA_2A-66A-66A	2	20	16QAM	1	99	100	0	18700	700	66	20	66786	66	20	67236	/	/	/	12.91	12.67	13.50
	66	20	16QAM	1	0	100	0	132072	66536	66	20	67236	2	20	900	/	/	/	12.00	11.67	12.50
CA_4A-4A-5A	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	5	10	2525	/	/	/	14.49	14.36	15.00
	5	10	QPSK	1	25	50	0	20450	2450	4	20	2175	4	20	2300	/	/	/	23.97	23.87	25.00
CA_4A-4A-7A	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	7	20	3100	/	/	/	14.49	14.36	15.00
	7	20	16QAM	1	99	100	0	20850	2850	4	20	2175	4	20	2300	/	/	/	17.94	17.66	18.50
CA_4A-12B	4	20	16QAM	1	99	100	0	20050	2050	12	10	5095	12	5	5155	/	/	/	14.49	14.36	15.00
CA_4A-4A-12A	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	12	10	5095	/	/	/	14.49	14.36	15.00
CA_5A-7C	5	10	QPSK	1	25	50	0	20450	2450	7	20	3100	7	20	3298	/	/	/	23.97	23.87	25.00
	7	20	16QAM	1	99	100	0	20850	2850	7	20	3048	5	10	2525	/	/	/	17.94	17.81	18.50
CA_5A-66A-66A	5	10	QPSK	1	25	50	0	20450	2450	66	20	66768	66	20	67236	/	/	/	23.97	23.87	25.00
	66	20	16QAM	1	0	100	0	132072	66536	66	20	67236	5	10	2525	/	/	/	12.00	11.68	12.50
CA_12A-66A-66A	66	20	16QAM	1	0	100	0	132072	66536	66	20	67236	12	10	5095	/	/	/	12.00	11.74	12.50
CA_2A-4A-5A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	5	10	2525	/	/	/	12.91	12.38	13.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	5	10	2525	/	/	/	14.49	14.36	15.00
	5	10	QPSK	1	25	50	0	20450	2450	2	20	900	4	20	2175	/	/	/	23.97	23.87	25.00
CA_7C-66A-66A	7	20	16QAM	1	99	100	0	20850	2850	7	20	3048	66	20	66786	66	20	67236	17.94	17.53	18.50
	66	20	16QAM	1	0	100	0	132072	66536	66	20	67236	7	20	3100	7	20	3298	12.00	11.59	12.50
CA_2A-4A-7C	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	7	20	3100	7	20	3298	12.91	12.46	13.50
	7	20	16QAM	1	99	100	0	20850	2850	7	20	3048	2	20	900	4	20	2175	17.94	17.46	18.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	7	20	3100	7	20	3298	14.49	14.36	15.00
CA_2A-4A-7A-7A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	7	20	3100	7	20	3350	12.91	12.59	13.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	7	20	3100	7	20	3350	14.49	14.36	15.00
	7	20	16QAM	1	99	100	0	20850	2850	7	20	3350	2	20	900	4	20	2175	17.94	17.68	18.50
CA_2A-4A-12A-12A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	12	5	5095	12	5	5155	12.91	12.64	13.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	12	5	5095	12	5	5155	14.49	14.36	15.00
CA_2A-2A-12A-66A	2	20	16QAM	1	99	100	0	18700	700	2	20	1100	12	10	5095	66	20	66786	12.91	12.68	13.50
	66	20	16QAM	1	0	100	0	132072	66536	2	20	900	2	20	1100	12	10	5095	12.00	11.58	12.50
CA_2A-12B-66A	2	20	16QAM	1	99	100	0	18700	700	12	10	5095	12	5	5155	66	20	66786	12.91	12.58	13.50
	66	20	16QAM	1	0	100	0	132072	66536	2	20	900	12	10	5095	12	5	5155	12.00	11.69	12.50
CA_2A-4A-7A-12A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	7	20	3100	12	10	5095	12.91	12.52	13.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	7	20	3100	12	10	5095	14.49	14.36	15.00
	7	20	16QAM	1	99	100	0	20850	2850	2	20	900	4	20	2300	12	10	5095	17.94	17.59	18.50

Table 108: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D6)

DL LTE CA Class	PCC									SCC1			SCC 2			SCC 3			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	16QAM	1	99	100	0	18700	700	2	20	898	/	/	/	/	/	/	16.93	16.80	17.50
CA_66B	66	10	64QAM	1	25	50	0	132322	66786	66	10	66885	/	/	/	/	/	/	16.67	16.61	17.50
CA_66C	66	20	16QAM	1	99	100	0	132072	66536	66	20	66734	/	/	/	/	/	/	17.11	16.85	17.50
CA_2A-17A	2	20	16QAM	1	99	100	0	18700	700	17	10	5790	/	/	/	/	/	/	16.93	16.58	17.50
	17	10	QPSK	1	49	50	0	23780	5780	2	20	900	/	/	/	/	/	/	23.99	23.78	25.00
CA_4A-17A	4	20	16QAM	1	99	100	0	20050	2050	17	10	5790	/	/	/	/	/	/	18.00	17.86	18.50
	17	10	QPSK	1	49	50	0	23780	5780	4	20	2175	/	/	/	/	/	/	23.99	23.78	25.00
CA_5A-7A	5	10	QPSK	1	25	50	0	20450	2450	7	20	3100	/	/	/	/	/	/	23.97	23.87	25.00
	7	20	16QAM	1	0	100	0	20850	2850	5	10	2525	/	/	/	/	/	/	19.36	19.34	20.00
CA_66D	66	20	16QAM	1	99	100	0	132072	66536	66	20	66734	66	20	66932	/	/	/	17.11	16.84	17.50
CA_2A-4A-4A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	4	20	2300	/	/	/	16.93	16.67	17.50
	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	2	20	900	/	/	/	18.00	17.86	18.50
CA_2A-66A-66A	2	20	16QAM	1	99	100	0	18700	700	66	20	66786	66	20	67236	/	/	/	16.93	16.80	17.50
	66	20	16QAM	1	99	100	0	132072	66536	66	20	67236	2	20	900	/	/	/	17.11	16.80	17.50
CA_4A-4A-5A	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	5	10	2525	/	/	/	18.00	17.86	18.50
	5	10	QPSK	1	25	50	0	20450	2450	4	20	2175	4	20	2300	/	/	/	23.97	23.87	25.00
CA_4A-4A-7A	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	7	20	3100	/	/	/	18.00	17.86	18.50
	7	20	16QAM	1	0	100	0	20850	2850	4	20	2175	4	20	2300	/	/	/	19.36	19.28	20.00
CA_4A-12B	4	20	16QAM	1	99	100	0	20050	2050	12	10	5095	12	5	5155	/	/	/	18.00	17.86	18.50
CA_4A-4A-12A	4	20	16QAM	1	99	100	0	20050	2050	4	20	2300	12	10	5095	/	/	/	18.00	17.86	18.50
CA_5A-7C	5	10	QPSK	1	25	50	0	20450	2450	7	20	3100	7	20	3298	/	/	/	23.97	23.87	25.00
	7	20	16QAM	1	0	100	0	20850	2850	7	20	3048	5	10	2525	/	/	/	19.36	19.24	20.00
CA_5A-66A-66A	5	10	QPSK	1	25	50	0	20450	2450	66	20	66768	66	20	67236	/	/	/	23.97	23.87	25.00
	66	20	16QAM	1	99	100	0	132072	66536	66	20	67236	5	10	2525	/	/	/	17.11	16.69	17.50
CA_12A-66A-66A	66	20	16QAM	1	99	100	0	132072	66536	66	20	67236	12	10	5095	/	/	/	17.11	16.58	17.50
CA_2A-4A-5A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	5	10	2525	/	/	/	16.93	16.61	17.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	5	10	2525	/	/	/	18.00	17.86	18.50
	5	10	QPSK	1	25	50	0	20450	2450	2	20	900	4	20	2175	/	/	/	23.97	23.87	25.00
CA_7C-66A-66A	7	20	16QAM	1	0	100	0	20850	2850	7	20	3048	66	20	66786	66	20	67236	19.36	19.26	20.00
	66	20	16QAM	1	99	100	0	132072	66536	66	20	67236	7	20	3100	7	20	3298	17.11	16.76	17.50
CA_2A-4A-7C	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	7	20	3100	7	20	3298	16.93	16.59	17.50
	7	20	16QAM	1	0	100	0	20850	2850	7	20	3048	2	20	900	4	20	2175	19.36	19.11	20.00
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	7	20	3100	7	20	3298	18.00	17.86	18.50
CA_2A-4A-7A-7A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	7	20	3100	7	20	3350	16.93	16.28	17.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	7	20	3100	7	20	3350	18.00	17.86	18.50
	7	20	16QAM	1	0	100	0	20850	2850	7	20	3350	2	20	900	4	20	2175	19.36	19.28	20.00
CA_2A-4A-12A-12A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	12	5	5095	12	5	5155	16.93	16.38	17.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	12	5	5095	12	5	5155	18.00	17.86	18.50
CA_2A-2A-12A-66A	2	20	16QAM	1	99	100	0	18700	700	2	20	1100	12	10	5095	66	20	66786	16.93	16.75	17.50
	66	20	16QAM	1	99	100	0	132072	66536	2	20	900	2	20	1100	12	10	5095	17.11	16.94	17.50
CA_2A-12B-66A	2	20	16QAM	1	99	100	0	18700	700	12	10	5095	12	5	5155	66	20	66786	16.93	16.59	17.50
	66	20	16QAM	1	99	100	0	132072	66536	2	20	900	12	10	5095	12	5	5155	17.11	17.03	17.50
CA_2A-4A-7A-12A	2	20	16QAM	1	99	100	0	18700	700	4	20	2175	7	20	3100	12	10	5095	16.93	16.88	17.50
	4	20	16QAM	1	99	100	0	20050	2050	2	20	900	7	20	3100	12	10	5095	18.00	17.86	18.50
	7	20	16QAM	1	0	100	0	20850	2850	2	20	900	4	20	2300	12	10	5095	19.36	19.40	20.00

Table 109: Conducted power measurement results of DL CA(Main Antenna,Reduced Power Level D5)

7.1.32 Conducted power measurements of LTE Downlink 4x4 MIMO

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	19100CH	64QAM	1	0	18.65	18.74	19.50
LTE Band 4	20	20050CH	QPSK	1	50	20.14	20.25	21.00
LTE Band 7	20	20850CH	16QAM	1	50	17.96	18.14	19.00
LTE Band 66	20	132072CH	16QAM	1	0	21.11	21.20	22.00

Table 110: Conducted power measurement results of LTE DL 4x4 MIMO for Second Antenna(Full Power).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	64QAM	1	0	19100	1100	4*4 MIMO	2	20	902	4*4 MIMO	/	/	/	/	/	/	/	/	18.74	18.59	19.50
CA_66C	66	16QAM	1	0	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	21.20	21.06	22.00
CA_2A-17A	2	64QAM	1	0	19100	1100	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	18.74	18.64	19.50
	17	QPSK	1	0	23780	739	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	23.75	23.58	24.50
CA_4A-17A	4	QPSK	1	50	20050	2050	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	20.25	20.10	21.00
CA_5A-7A	5	QPSK	1	49	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	23.44	23.21	24.50
	7	16QAM	1	50	20850	2850	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	/	/	/	/	18.14	18.06	19.00
CA_5A-7C	5	QPSK	1	49	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	23.44	23.19	24.50
	7	16QAM	1	50	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	18.14	18.04	19.00
CA_4A-12B	4	QPSK	1	50	20050	2050	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	20.25	20.11	21.00
CA_4A-4A-7A	4	QPSK	1	50	20050	2050	2*2 MIMO	4	20	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	20.25	20.18	21.00
	7	16QAM	1	50	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	18.14	18.13	19.00
CA_7A-66A-66A	7	16QAM	1	50	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	/	/	/	/	18.14	18.11	19.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	21.20	21.08	22.00
CA_2A-7A-66A	2	64QAM	1	0	19100	1100	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	18.74	18.61	19.50
	7	16QAM	1	50	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	18.14	18.14	19.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	21.20	21.06	22.00
CA_2A-4A-5A	2	64QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	18.74	18.66	19.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	20.25	20.06	21.00
	5	QPSK	1	49	20450	2450	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	23.44	23.26	24.50
CA_7C-66A-66A	7	16QAM	1	50	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	18.14	17.96	19.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	21.20	21.11	22.00
CA_2A-4A-7C	2	64QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	18.74	18.46	19.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	20.25	20.16	21.00
	7	16QAM	1	50	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	18.14	17.89	19.00
CA_2A-4A-7A-7A	2	64QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	18.74	18.43	19.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	20.25	20.24	21.00
	7	16QAM	1	50	20850	2850	2*2 MIMO	7	20	3150	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	18.14	17.88	19.00
CA_2A-4A-12A-12A	2	64QAM	1	0	19100	1100	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	18.74	18.51	19.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	20.25	20.07	21.00
CA_2A-2A-12A-66A	2	64QAM	1	0	19100	1100	2*2 MIMO	2	20	700	2*2 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	18.74	18.40	19.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	21.20	21.21	22.00
CA_2A-4A-7A-12A	2	64QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	18.74	18.55	19.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	20.25	20.11	21.00
	7	16QAM	1	50	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	18.14	18.11	19.00
CA_2A-12B-66A	2	64QAM	1	0	19100	1100	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	66786	4*4 MIMO	18.74	18.69	19.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	21.20	21.06	22.00

Table 111: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Second Antenna(Full Power).

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	19100CH	16QAM	1	0	11.90	12.11	12.50
LTE Band 4	20	20050CH	16QAM	1	50	13.43	13.55	14.00
LTE Band 7	20	20850CH	16QAM	1	0	12.06	12.02	13.00
LTE Band 66	20	132072CH	16QAM	1	0	14.30	14.55	15.50

Table 112: Conducted power measurement results of LTE DL 4x4 MIMO for Second Antenna(Receiver ON).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	16QAM	1	0	19100	1100	4*4 MIMO	2	20	902	4*4 MIMO	/	/	/	/	/	/	/	/	12.11	12.05	13.00
CA_66C	66	16QAM	1	0	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	14.55	14.36	15.50
CA_2A-17A	2	16QAM	1	0	19100	1100	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	12.11	12.06	13.00
	17	64QAM	1	49	23780	739	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	19.91	19.85	20.50
CA_5A-7A	5	64QAM	1	49	20525	2525	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	19.12	18.96	20.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	/	/	/	/	12.02	11.79	13.00
CA_4A-17A	4	16QAM	1	50	20050	2050	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	13.55	13.46	14.00
CA_4A-12B	4	16QAM	1	50	20050	2050	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	13.55	13.38	14.00
CA_4A-4A-7A	4	16QAM	1	50	20050	2050	2*2 MIMO	4	20	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	13.55	13.43	14.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	12.02	11.96	13.00
CA_7A-66A-66A	7	16QAM	1	0	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	66786	2*2 MIMO	/	/	/	/	12.02	11.86	13.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	14.55	14.29	15.50
CA_5A-7C	5	64QAM	1	49	20525	2525	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	19.12	19.04	20.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	12.02	11.94	13.00
CA_2A-7A-66A	2	16QAM	1	0	19100	1100	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	12.11	12.10	13.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	12.02	11.69	13.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	14.55	14.24	15.50
CA_2A-4A-5A	2	16QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	12.11	12.08	13.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	13.55	13.49	14.00
	5	64QAM	1	49	20525	2525	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	19.12	19.03	20.00
CA_7C-66A-66A	7	16QAM	1	0	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	12.02	11.88	13.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	66	20	67036	4*4 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	14.55	14.38	15.50
CA_2A-4A-7C	2	16QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	12.11	12.13	13.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	13.55	13.54	14.00
	7	16QAM	1	0	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12.02	11.99	13.00
CA_2A-4A-7A-7A	2	16QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	12.11	12.04	13.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	13.55	13.26	14.00
	7	16QAM	1	0	20850	2850	2*2 MIMO	7	20	3350	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12.02	11.71	13.00
CA_2A-4A-12A-12A	2	16QAM	1	0	19100	1100	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	12.11	12.03	13.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	13.55	13.24	14.00
CA_2A-2A-12A-66A	2	16QAM	1	0	19100	1100	2*2 MIMO	2	20	900	2*2 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	12.11	11.89	13.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	14.55	14.41	15.50
CA_2A-4A-7A-12A	2	16QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	12.11	11.98	13.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	13.55	13.28	14.00
	7	16QAM	1	0	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	12.02	11.89	13.00
CA_2A-12B-66A	2	16QAM	1	0	19100	1100	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	66786	4*4 MIMO	12.11	12.04	13.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	14.55	14.47	15.50

Table 113: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Second Antenna(Receiver ON).

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	19100CH	16QAM	1	0	11.06	11.17	12.00
LTE Band 4	20	20050CH	16QAM	1	50	11.43	11.72	12.50
LTE Band 7	20	20850CH	16QAM	1	50	18.03	18.14	19.00
LTE Band 66	20	132072CH	16QAM	1	0	12.10	12.13	13.00

Table 114: Conducted power measurement results of LTE DL 4x4 MIMO for Second Antenna(Second Antenna+WiFi Antenna, Receiver ON).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	16QAM	1	0	19100	1100	4*4 MIMO	2	20	902	4*4 MIMO	/	/	/	/	/	/	/	/	11.17	11.06	12.00
CA_66C	66	16QAM	1	0	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	12.13	12.11	13.00
CA_2A-17A	2	16QAM	1	0	19100	1100	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	11.17	11.08	12.00
	17	64QAM	1	49	23780	739	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	19.91	19.90	20.50
CA_4A-17A	4	16QAM	1	50	20050	2050	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	11.72	11.86	12.50
CA_5A-7A	5	64QAM	1	49	20525	2525	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	19.12	19.04	20.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	/	/	/	/	12.02	11.97	13.00
CA_5A-7C	5	64QAM	1	49	20525	2525	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	19.12	19.05	20.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	12.02	11.98	13.00
CA_4A-12B	4	16QAM	1	50	20050	2050	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	11.72	11.68	12.50
CA_4A-4A-7A	4	16QAM	1	50	20050	2050	2*2 MIMO	4	20	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	11.72	11.56	12.50
	7	16QAM	1	0	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2175	2*2 MIMO	/	/	/	/	12.02	11.86	13.00
CA_7A-66A-66A	7	16QAM	1	0	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	/	/	/	/	12.02	11.94	13.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	12.13	12.06	13.00
CA_2A-7A-66A	2	16QAM	1	0	19100	1100	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	11.17	10.98	12.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	12.02	11.86	13.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	12.13	12.01	13.00
CA_2A-4A-5A	2	16QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	11.17	11.10	12.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	11.72	11.50	12.50
	5	64QAM	1	49	20525	2525	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	19.12	19.10	20.00
CA_7C-66A-66A	7	16QAM	1	0	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	66786	2*2 MIMO	12.02	11.69	13.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	12.13	12.04	13.00
CA_2A-4A-7C	2	16QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	11.17	11.18	12.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	11.72	11.46	12.50
	7	16QAM	1	0	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12.02	11.79	13.00
CA_2A-4A-7A-7A	2	16QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	11.17	11.06	12.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	11.72	11.55	12.50
	7	16QAM	1	0	20850	2850	2*2 MIMO	7	20	3150	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12.02	11.89	13.00
CA_2A-4A-12A-12A	2	16QAM	1	0	19100	1100	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	11.17	11.08	12.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	11.72	11.43	12.50
CA_2A-2A-12A-66A	2	16QAM	1	0	19100	1100	2*2 MIMO	2	20	900	2*2 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	11.17	10.98	12.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	2*2 MIMO	2	20	900	2*2 MIMO	12	10	5095	2*2 MIMO	12.13	12.10	13.00
CA_2A-4A-7A-12A	2	16QAM	1	0	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	11.17	10.99	12.00
	4	16QAM	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	11.72	11.60	12.50
	7	16QAM	1	0	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	12.02	11.86	13.00
CA_2A-12B-66A	2	16QAM	1	0	19100	1100	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	66786	4*4 MIMO	11.17	10.86	12.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	12.15	12.06	13.00

Table 115: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Second Antenna(Second Antenna+WiFi Antenna, Receiver ON).

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	19100CH	16QAM	1	99	17.56	17.74	18.50
LTE Band 4	20	20050CH	16QAM	1	0	18.46	18.75	19.50
LTE Band 7	20	20850CH	16QAM	1	50	18.06	18.14	19.00
LTE Band 66	20	132072CH	16QAM	1	0	18.33	18.59	19.50

Table 116: Conducted power measurement results of LTE DL 4x4 MIMO for Second Antenna(Second Antenna+WiFi Antenna, Receiver OFF).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	16QAM	1	99	19100	1100	4*4 MIMO	2	20	902	4*4 MIMO	/	/	/	/	/	/	/	/	17.74	17.59	18.50
CA_66C	66	16QAM	1	0	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	18.59	18.50	19.50
CA_2A-17A	2	16QAM	1	99	19100	1100	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	17.74	17.68	18.50
	17	QPSK	1	0	23780	739	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	18.14	18.10	19.00
CA_4A-17A	4	16QAM	1	0	20050	2050	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	18.75	18.70	19.50
CA_5A-7A	5	QPSK	1	49	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	23.44	23.21	24.50
	7	16QAM	1	50	20850	2850	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	/	/	/	/	18.14	18.06	19.00
CA_5A-7C	5	QPSK	1	49	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	23.44	23.31	24.50
	7	16QAM	1	50	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	18.14	18.04	19.00
CA_4A-12B	4	16QAM	1	0	20050	2050	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	18.75	18.54	19.50
CA_4A-4A-7A	4	QPSK	1	50	20050	2050	2*2 MIMO	4	20	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	18.75	18.71	19.50
	7	16QAM	1	50	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	18.14	18.10	19.00
CA_7A-66A-66A	7	16QAM	1	50	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	/	/	/	/	18.14	18.06	19.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	18.59	18.54	19.50
CA_2A-7A-66A	2	16QAM	1	99	19100	1100	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	17.74	17.59	18.50
	7	16QAM	1	50	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	18.14	18.14	19.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	18.59	18.52	19.50
CA_2A-4A-5A	2	16QAM	1	99	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	17.74	17.55	18.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	18.75	18.59	19.50
	5	QPSK	1	49	20450	2450	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	23.44	23.18	24.50
CA_7C-66A-66A	7	16QAM	1	50	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	18.14	17.86	19.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	18.59	18.53	19.50
CA_2A-4A-7C	2	16QAM	1	99	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	17.74	17.49	18.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	18.75	18.59	19.50
	7	16QAM	1	50	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	18.14	18.11	19.00
CA_2A-4A-7A-7A	2	16QAM	1	99	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	17.74	17.38	18.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	18.75	18.71	19.50
	7	16QAM	1	50	20850	2850	2*2 MIMO	7	20	3350	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	18.14	17.98	19.00
CA_2A-4A-12A-12A	2	16QAM	1	99	19100	1100	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	17.74	17.71	18.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	18.75	18.67	19.50
CA_2A-2A-12A-66A	2	16QAM	1	99	19100	1100	2*2 MIMO	2	20	700	2*2 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	17.74	17.66	18.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	18.59	18.52	19.50
CA_2A-4A-7A-12A	2	16QAM	1	99	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	17.74	17.59	18.50
	4	QPSK	1	50	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	18.75	18.52	19.50
	7	16QAM	1	50	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	18.14	18.10	19.00
CA_2A-12B-66A	2	16QAM	1	99	19100	1100	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	66786	4*4 MIMO	17.74	17.54	18.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	18.59	18.46	19.50

Table 117: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Second Antenna(Second Antenna+WiFi Antenna, Receiver OFF).

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	18700CH	QPSK	1	0	23.57	23.68	24.50
LTE Band 4	20	20300CH	QPSK	1	0	23.40	23.45	24.50
LTE Band 7	20	20850CH	QPSK	1	50	23.26	23.58	24.50
LTE Band 66	20	132072CH	QPSK	1	99	23.61	23.73	24.50

Table 118: Conducted power measurement results of LTE DL 4x4 MIMO for Main Antenna(Full Power).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	QPSK	1	0	18700	700	4*4 MIMO	2	20	898	4*4 MIMO	/	/	/	/	/	/	/	/	23.68	23.46	24.50
CA_66C	66	QPSK	1	99	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	23.73	23.70	24.50
CA_2A-17A	2	QPSK	1	0	18700	700	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	23.68	23.59	24.50
	17	QPSK	1	49	23780	5780	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	23.99	23.86	25.00
CA_4A-17A	4	QPSK	1	0	20300	2300	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	23.45	23.41	24.50
CA_5A-7A	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	23.97	23.58	25.00
	7	QPSK	1	50	20850	2850	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	/	/	/	/	23.58	23.49	24.50
CA_5A-7C	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	23.97	23.86	25.00
	7	QPSK	1	50	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	23.58	23.55	24.50
CA_4A-12B	4	QPSK	1	0	20300	2300	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	23.45	23.40	24.50
CA_4A-4A-7A	4	QPSK	1	0	20300	2300	2*2 MIMO	4	20	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.45	23.28	24.50
	7	QPSK	1	50	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	23.58	23.46	24.50
CA_7A-66A-66A	7	QPSK	1	50	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	/	/	/	/	23.58	23.41	24.50
	66	QPSK	1	99	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.73	23.68	24.50
CA_2A-7A-66A	2	QPSK	1	0	18700	700	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	23.68	23.54	24.50
	7	QPSK	1	50	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	23.58	23.55	24.50
	66	QPSK	1	99	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	23.73	23.55	24.50
CA_2A-4A-5A	2	QPSK	1	0	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	23.68	23.61	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	23.45	23.36	24.50
	5	QPSK	1	25	20450	2450	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	23.97	23.76	25.00
CA_7C-66A-66A	7	QPSK	1	50	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	23.58	23.51	24.50
	66	QPSK	1	99	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.73	23.46	24.50
CA_2A-4A-7C	2	QPSK	1	0	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	23.68	23.57	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	23.45	23.29	24.50
	7	QPSK	1	50	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	23.58	23.53	24.50
CA_2A-4A-7A-7A	2	QPSK	1	0	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	23.68	23.55	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	23.45	23.35	24.50
	7	QPSK	1	50	20850	2850	2*2 MIMO	7	20	3350	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	23.58	23.43	24.50
CA_2A-4A-12A-12A	2	QPSK	1	0	18700	700	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	23.68	23.43	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	23.45	23.41	24.50
CA_2A-2A-12A-66A	2	QPSK	1	0	18700	700	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	23.68	23.64	24.50
	66	QPSK	1	99	132072	66536	4*4 MIMO	2	20	900	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	23.73	23.51	24.50
CA_2A-4A-7A-12A	2	QPSK	1	0	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	23.68	23.52	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	23.45	23.28	24.50
	7	QPSK	1	50	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	23.58	23.43	24.50
CA_2A-12B-66A	2	QPSK	1	0	18700	700	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	66786	4*4 MIMO	23.68	23.41	24.50
	66	QPSK	1	99	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	23.73	23.61	24.50

Table 119: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Full Power).

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	19100CH	16QAM	1	50	19.86	19.99	20.50
LTE Band 4	20	20300CH	16QAM	1	0	18.59	18.83	19.50
LTE Band 7	20	20850CH	QPSK	50	25	20.10	20.20	21.00
LTE Band 66	20	132072CH	16QAM	1	99	19.00	19.26	19.50

Table 120: Conducted power measurement results of LTE DL 4x4 MIMO for Main Antenna(Reduced Power Level D2).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	16QAM	1	50	19100	1100	4*4 MIMO	2	20	902	4*4 MIMO	/	/	/	/	/	/	/	/	19.99	19.57	20.50
CA_66C	66	16QAM	1	99	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	19.26	19.18	19.50
CA_2A-17A	2	16QAM	1	50	19100	1100	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	19.99	19.66	20.50
	17	QPSK	1	49	23780	5780	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	23.99	23.89	25.00
CA_4A-17A	4	16QAM	1	50	20300	2300	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	20.46	20.40	21.00
CA_5A-7A	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	23.97	23.58	25.00
	7	QPSK	50	25	20850	2850	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	/	/	/	/	20.20	20.11	21.00
CA_5A-7C	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	23.97	23.90	25.00
	7	QPSK	50	25	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	20.20	20.10	21.00
CA_4A-12B	4	16QAM	1	50	20300	2300	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	20.46	20.14	21.00
CA_4A-4A-7A	4	16QAM	1	50	20300	2300	2*2 MIMO	4	20	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	20.46	20.38	21.00
	7	QPSK	50	25	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	20.20	20.16	21.00
CA_7A-66A-66A	7	QPSK	50	25	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	/	/	/	/	20.20	20.11	21.00
	66	16QAM	1	99	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	19.26	19.30	19.50
CA_2A-7A-66A	2	16QAM	1	50	19100	1100	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	19.99	19.67	20.50
	7	QPSK	50	25	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	20.20	20.07	21.00
	66	16QAM	1	99	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	19.26	19.25	19.50
CA_2A-4A-5A	2	16QAM	1	50	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	19.99	19.88	20.50
	4	16QAM	1	50	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	20.46	20.35	21.00
	5	QPSK	1	25	20450	2450	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	23.97	23.86	25.00
CA_7C-66A-66A	7	QPSK	50	25	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	20.20	20.08	21.00
	66	16QAM	1	99	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	19.26	19.24	19.50
CA_2A-4A-7C	2	16QAM	1	50	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	19.99	19.69	20.50
	4	16QAM	1	50	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	20.46	20.46	21.00
	7	QPSK	50	25	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	20.20	20.17	21.00
CA_2A-4A-7A-7A	2	16QAM	1	50	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	19.99	19.89	20.50
	4	16QAM	1	50	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3350	2*2 MIMO	20.46	20.31	21.00
	7	QPSK	50	25	20850	2850	2*2 MIMO	7	20	3350	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	20.20	20.16	21.00
CA_2A-4A-12A-12A	2	16QAM	1	50	19100	1100	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	19.99	19.91	20.50
	4	16QAM	1	50	20300	2300	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	20.46	20.19	21.00
CA_2A-2A-12A-66A	2	16QAM	1	50	19100	1100	4*4 MIMO	2	20	700	4*4 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	19.99	19.76	20.50
	66	16QAM	1	99	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	2	20	1100	4*4 MIMO	12	10	5095	2*2 MIMO	19.26	19.21	19.50
CA_2A-4A-7A-12A	2	16QAM	1	50	19100	1100	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	19.99	19.82	20.50
	4	16QAM	1	50	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	20.46	20.19	21.00
	7	QPSK	50	25	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	20.20	20.07	21.00
CA_2A-12B-66A	2	16QAM	1	50	19100	1100	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	66786	4*4 MIMO	19.99	19.58	20.50
	66	16QAM	1	99	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	19.26	19.20	19.50

Table 121: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Reduced Power Level D2).

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	18700CH	QPSK	1	0	23.57	23.68	24.50
LTE Band 4	20	20300CH	QPSK	1	0	23.40	23.45	24.50
LTE Band 7	20	20850CH	16QAM	1	0	21.65	21.73	22.50
LTE Band 66	20	132072CH	QPSK	1	99	23.61	23.73	24.50

Table 122: Conducted power measurement results of LTE DL 4x4 MIMO for Main Antenna(Reduced Power Level D1).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	QPSK	1	0	18700	700	4*4 MIMO	2	20	898	4*4 MIMO	/	/	/	/	/	/	/	/	23.68	23.46	24.50
CA_66C	66	QPSK	1	99	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	23.73	23.64	24.50
CA_2A-17A	2	QPSK	1	0	18700	700	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	23.68	23.58	24.50
	17	QPSK	1	49	23780	5780	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	23.99	23.94	25.00
CA_4A-17A	4	QPSK	1	0	20300	2300	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	23.45	23.40	24.50
CA_5A-7A	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	23.97	23.58	25.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	/	/	/	/	21.73	21.55	22.50
CA_5A-7C	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	23.97	23.86	25.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	21.73	21.70	22.50
CA_4A-12B	4	QPSK	1	0	20300	2300	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	23.45	23.40	24.50
CA_4A-4A-7A	4	QPSK	1	0	20300	2300	2*2 MIMO	4	20	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.45	23.34	24.50
	7	16QAM	1	0	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	21.73	21.64	22.50
CA_7A-66A-66A	7	16QAM	1	0	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	/	/	/	/	21.73	21.68	22.50
	66	QPSK	1	99	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.73	23.64	24.50
CA_2A-7A-66A	2	QPSK	1	0	18700	700	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	23.68	23.54	24.50
	7	16QAM	1	0	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	21.73	21.46	22.50
	66	QPSK	1	99	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	23.73	23.55	24.50
CA_2A-4A-5A	2	QPSK	1	0	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	23.68	23.64	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	23.45	23.36	24.50
	5	QPSK	1	25	20450	2450	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	23.97	23.87	25.00
CA_7C-66A-66A	7	16QAM	1	0	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	21.73	21.59	22.50
	66	QPSK	1	99	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.73	23.63	24.50
CA_2A-4A-7C	2	QPSK	1	0	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	23.68	23.58	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	23.45	23.31	24.50
	7	16QAM	1	0	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	21.73	21.49	22.50
CA_2A-4A-7A-7A	2	QPSK	1	0	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3150	2*2 MIMO	23.68	23.56	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3150	2*2 MIMO	23.45	23.29	24.50
	7	16QAM	1	0	20850	2850	2*2 MIMO	7	20	3350	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	21.73	21.55	22.50
CA_2A-4A-12A-12A	2	QPSK	1	0	18700	700	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	23.68	23.64	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	23.45	23.28	24.50
CA_2A-2A-12A-66A	2	QPSK	1	0	18700	700	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	23.68	23.57	24.50
	66	QPSK	1	99	132072	66536	4*4 MIMO	2	20	900	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	23.73	23.54	24.50
CA_2A-4A-7A-12A	2	QPSK	1	0	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	23.68	23.53	24.50
	4	QPSK	1	0	20300	2300	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	23.45	23.26	24.50
	7	16QAM	1	0	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	21.73	21.51	22.50
CA_2A-12B-66A	2	QPSK	1	0	18700	700	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	66786	4*4 MIMO	23.68	23.41	24.50
	66	QPSK	1	99	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	23.73	23.61	24.50

Table 123: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Reduced Power Level D1).

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	18700CH	16QAM	1	99	16.79	16.93	17.50
LTE Band 4	20	20050CH	64QAM	1	99	17.12	17.35	18.00
LTE Band 7	20	20850CH	16QAM	1	99	21.06	21.27	22.00
LTE Band 66	20	132072CH	16QAM	1	99	17.03	17.11	17.50

Table 124: Conducted power measurement results of LTE DL 4x4 MIMO for Main Antenna(Reduced Power Level D4).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	16QAM	1	99	18700	700	4*4 MIMO	2	20	898	4*4 MIMO	/	/	/	/	/	/	/	/	16.93	16.81	17.50
CA_66C	66	16QAM	1	0	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	12.00	11.86	12.50
CA_2A-17A	2	16QAM	1	99	18700	700	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	16.93	16.86	17.50
	17	QPSK	1	49	23780	5780	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	23.99	23.88	25.00
CA_4A-17A	4	16QAM	1	99	20050	2050	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	18.00	17.86	18.50
CA_5A-7A	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	23.97	23.96	25.00
	7	16QAM	1	99	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	/	/	/	/	/	/	/	/	21.27	21.16	22.00
CA_5A-7C	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	23.97	23.98	25.00
	7	16QAM	1	99	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	21.27	21.20	22.00
CA_4A-12B	4	16QAM	1	99	20050	2050	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	18.00	17.79	18.50
CA_4A-4A-7A	4	16QAM	1	99	20050	2050	2*2 MIMO	4	20	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	18.00	17.69	18.50
	7	16QAM	1	99	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	21.27	21.17	22.00
CA_7A-66A-66A	7	16QAM	1	99	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	/	/	/	/	21.27	21.16	22.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	12.00	11.79	12.50
CA_2A-7A-66A	2	16QAM	1	99	18700	700	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	16.93	16.78	17.50
	7	16QAM	1	99	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	21.27	21.20	22.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	12.00	11.62	12.50
CA_2A-4A-5A	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	16.93	16.91	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	18.00	17.58	18.50
	5	QPSK	1	25	20450	2450	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	23.97	23.86	25.00
CA_7C-66A-66A	7	16QAM	1	99	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	21.27	21.08	22.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	12.00	11.68	12.50
CA_2A-4A-7C	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	16.93	16.76	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	18.00	17.86	18.50
	7	16QAM	1	99	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	21.27	21.16	22.00
CA_2A-4A-7A-7A	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3150	2*2 MIMO	16.93	16.74	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3150	2*2 MIMO	18.00	17.68	18.50
	7	16QAM	1	99	20850	2850	2*2 MIMO	7	20	3350	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	21.27	21.11	22.00
CA_2A-4A-12A-12A	2	16QAM	1	99	18700	700	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	16.93	16.69	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	18.00	17.59	18.50
CA_2A-2A-12A-66A	2	16QAM	1	99	18700	700	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	16.93	16.73	17.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	12.00	11.59	12.50
CA_2A-4A-7A-12A	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	16.93	16.82	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	18.00	17.58	18.50
	7	16QAM	1	99	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	21.27	21.14	22.00
CA_2A-12B-66A	2	16QAM	1	99	18700	700	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	2145	4*4 MIMO	16.93	16.79	17.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	12.00	11.84	12.50

Table 125: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Reduced Power Level D4).

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	18700CH	16QAM	1	99	12.90	12.91	13.50
LTE Band 4	20	20050CH	16QAM	1	0	12.14	12.28	13.00
LTE Band 7	20	20850CH	16QAM	1	99	17.56	17.94	18.50
LTE Band 66	20	132072CH	16QAM	1	0	11.49	12.00	12.50

Table 126: Conducted power measurement results of LTE DL 4x4 MIMO for Main Antenna(Reduced Power Level D6).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	16QAM	1	99	18700	700	4*4 MIMO	2	20	898	4*4 MIMO	/	/	/	/	/	/	/	/	12.91	12.47	13.50
CA_66C	66	16QAM	1	0	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	12.00	11.86	12.50
CA_2A-17A	2	16QAM	1	99	18700	700	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	12.91	12.80	13.50
	17	QPSK	1	49	23780	5780	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	23.99	23.94	25.00
CA_4A-17A	4	16QAM	1	99	20050	2050	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	14.49	14.40	15.00
CA_5A-7A	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	23.97	23.58	25.00
	7	16QAM	1	99	20850	2850	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	/	/	/	/	17.94	17.58	18.50
CA_5A-7C	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	23.97	23.91	25.00
	7	16QAM	1	99	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	17.94	17.86	18.50
CA_4A-12B	4	16QAM	1	99	20050	2050	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	14.49	14.43	15.00
CA_4A-4A-7A	4	16QAM	1	99	20050	2050	2*2 MIMO	4	20	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	14.49	14.34	15.00
	7	16QAM	1	99	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	17.94	17.85	18.50
CA_7A-66A-66A	7	16QAM	1	99	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	/	/	/	/	17.94	17.81	18.50
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	12.00	11.91	12.50
CA_2A-7A-66A	2	16QAM	1	99	18700	700	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	12.91	12.83	13.50
	7	16QAM	1	99	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	17.94	17.64	18.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	12.00	11.86	12.50
CA_2A-4A-5A	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	12.91	12.91	13.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	14.49	14.28	15.00
	5	QPSK	1	25	20450	2450	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	23.97	23.94	25.00
CA_7C-66A-66A	7	16QAM	1	99	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	17.94	17.59	18.50
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	12.00	11.86	12.50
CA_2A-4A-7C	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	12.91	12.86	13.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	14.49	14.34	15.00
	7	16QAM	1	99	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	17.94	17.58	18.50
CA_2A-4A-7A-7A	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3150	2*2 MIMO	12.91	12.79	13.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3150	2*2 MIMO	14.49	14.46	15.00
	7	16QAM	1	99	20850	2850	2*2 MIMO	7	20	3350	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	17.94	17.63	18.50
CA_2A-4A-12A-12A	2	16QAM	1	99	18700	700	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	12.91	12.81	13.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	14.49	14.30	15.00
CA_2A-2A-12A-66A	2	16QAM	1	99	18700	700	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	12.91	12.81	13.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	12.00	11.84	12.50
CA_2A-4A-7A-12A	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	12.91	12.86	13.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	14.49	14.16	15.00
	7	16QAM	1	99	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	17.94	17.86	18.50
CA_2A-12B-66A	2	16QAM	1	99	18700	700	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	66786	4*4 MIMO	12.91	12.80	13.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	12.00	11.69	12.50

Table 127: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Reduced Power Level D6).

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 2	20	18700CH	16QAM	1	99	16.86	16.93	17.50
LTE Band 4	20	20050CH	64QAM	1	99	17.12	17.35	18.00
LTE Band 7	20	20850CH	16QAM	1	0	19.26	19.36	20.00
LTE Band 66	20	132072CH	16QAM	1	99	17.04	17.11	17.50

Table 128: Conducted power measurement results of LTE DL 4x4 MIMO for Main Antenna(Reduced Power Level D5).

DL LTE CA Class	PCC							SCC1				SCC 2				SCC 3				Power		
	PCC Band	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	without DL 4x4MIMO Tx Power (dBm)	with DL 4x4MIMO Tx Power (dBm)	Tune-up
CA_2C	2	16QAM	1	99	18700	700	4*4 MIMO	2	20	898	4*4 MIMO	/	/	/	/	/	/	/	/	16.93	16.85	17.50
CA_66C	66	16QAM	1	0	132072	66536	4*4 MIMO	66	20	66734	4*4 MIMO	/	/	/	/	/	/	/	/	12.00	11.83	12.50
CA_2A-17A	2	16QAM	1	99	18700	700	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	16.93	16.80	17.50
	17	QPSK	1	49	23780	5780	2*2 MIMO	2	20	900	4*4 MIMO	/	/	/	/	/	/	/	/	23.99	23.92	25.00
CA_4A-17A	4	16QAM	1	99	20050	2050	4*4 MIMO	17	10	5790	2*2 MIMO	/	/	/	/	/	/	/	/	18.00	17.86	18.50
CA_5A-7A	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	/	/	/	/	23.97	23.84	25.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	/	/	/	/	19.36	19.36	20.00
CA_5A-7C	5	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	/	/	/	/	23.97	23.94	25.00
	7	16QAM	1	0	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	19.36	19.34	20.00
CA_4A-12B	4	16QAM	1	99	20050	2050	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	/	/	/	/	18.00	17.96	18.50
CA_4A-4A-7A	4	16QAM	1	99	20050	2050	2*2 MIMO	4	20	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	18.00	17.94	18.50
	7	16QAM	1	0	20850	2850	4*4 MIMO	4	20	2175	2*2 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	19.36	19.38	20.00
CA_7A-66A-66A	7	16QAM	1	0	20850	2850	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	/	/	/	/	19.36	19.25	20.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	12.00	11.89	12.50
CA_2A-7A-66A	2	16QAM	1	99	18700	700	4*4 MIMO	7	20	3100	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	16.93	16.71	17.50
	7	16QAM	1	0	20850	2850	4*4 MIMO	2	20	900	4*4 MIMO	66	20	66786	4*4 MIMO	/	/	/	/	19.36	19.45	20.00
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	12.00	11.92	12.50
CA_2A-4A-5A	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	16.93	16.76	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	18.00	17.92	18.50
	5	QPSK	1	25	20450	2450	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	/	/	/	/	23.97	23.86	25.00
CA_7C-66A-66A	7	16QAM	1	0	20850	2850	4*4 MIMO	7	20	3048	4*4 MIMO	66	20	66786	2*2 MIMO	66	20	67036	2*2 MIMO	19.36	19.27	20.00
	66	16QAM	1	0	132072	66536	2*2 MIMO	66	20	67036	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	12.00	11.91	12.50
CA_2A-4A-7C	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	16.93	16.86	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3298	2*2 MIMO	18.00	17.94	18.50
	7	16QAM	1	0	20850	2850	2*2 MIMO	7	20	3048	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	19.36	19.30	20.00
CA_2A-4A-7A-7A	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3150	2*2 MIMO	16.93	16.89	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	7	20	3150	2*2 MIMO	18.00	17.78	18.50
	7	16QAM	1	0	20850	2850	2*2 MIMO	7	20	3350	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	19.36	19.31	20.00
CA_2A-4A-12A-12A	2	16QAM	1	99	18700	700	2*2 MIMO	4	20	2175	4*4 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	16.93	16.75	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	2*2 MIMO	12	5	5095	2*2 MIMO	12	5	5155	2*2 MIMO	18.00	17.86	18.50
CA_2A-2A-12A-66A	2	16QAM	1	99	18700	700	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	66	20	66786	4*4 MIMO	16.93	16.38	17.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	2*2 MIMO	2	20	1100	2*2 MIMO	12	10	5095	2*2 MIMO	12.00	11.79	12.50
CA_2A-4A-7A-12A	2	16QAM	1	99	18700	700	4*4 MIMO	4	20	2175	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	16.93	16.59	17.50
	4	16QAM	1	99	20050	2050	4*4 MIMO	2	20	900	4*4 MIMO	7	20	3100	2*2 MIMO	12	10	5095	2*2 MIMO	18.00	17.69	18.50
	7	16QAM	1	0	20850	2850	2*2 MIMO	2	20	900	4*4 MIMO	4	20	2175	4*4 MIMO	12	10	5095	2*2 MIMO	19.36	19.14	20.00
CA_2A-12B-66A	2	16QAM	1	99	18700	700	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	66	20	2145	4*4 MIMO	16.93	16.66	17.50
	66	16QAM	1	0	132072	66536	4*4 MIMO	2	20	900	4*4 MIMO	12	10	5095	2*2 MIMO	12	5	5155	2*2 MIMO	19.36	19.22	20.00

Table 129: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Reduced Power Level D5).

7.1.33 Conducted Power measurements of Uplink LTE CA

For Intra-band uplink LTE CA measurement, the following procedure is applied:

Maximum output power is measured for each UL CA configuration for the required test channels :

- UL PCC configuration is determined by the required test channel
- SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band.

The MPR information for Intra-band uplink LTE CA is as below:

For intra-band contiguous carrier aggregation the allowed Maximum Power Reduction (MPR) for the maximum output power in Table 6.2.2A.0-2 due to higher order modulation and contiguously allocated transmissions (resource blocks) is specified in Table 6.2.3A.1.3-1. In case the modulation format is different on different component carriers then the MPR is determined by the rules applied to higher order of those modulations.

Table 6.2.3A.1.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	CA bandwidth Class B and C							MPR (dB)
	25 RB + 50 RB	50 RB + 50 RB	25 RB + 100 RB	50 RB + 100 RB	75 RB + 75 RB	75 RB + 100 RB	100 RB + 100 RB	
QPSK	> 8 and ≤ 25	> 12 and ≤ 50	> 8 and ≤ 25	> 12 and ≤ 50	> 16 and ≤ 75	> 16 and ≤ 75	> 18 and ≤ 100	≤ 1
QPSK	> 25	> 50	> 25	> 50	> 75	> 75	> 100	≤ 2
16 QAM	≤ 8	≤ 12	≤ 8	≤ 12	≤ 16	≤ 16	≤ 18	≤ 1
16 QAM	> 8 and ≤ 25	> 12 and ≤ 50	> 8 and ≤ 25	> 12 and ≤ 50	> 16 and ≤ 75	> 16 and ≤ 75	> 18 and ≤ 100	≤ 2
16 QAM	> 25	> 50	> 25	> 50	> 75	> 75	> 100	≤ 3

Table 130: MPR information for Uplink intra-band contiguous CA(QPSK and 16QAM)

For intra-band contiguous carrier aggregation the allowed Maximum Power Reduction (MPR) for the maximum output power in Table 6.2.2A.0-2due to higher order modulation and contiguously aggregated transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3A.1_1.3-1. In case the modulation format is different on different component carriers then the MPR is determined by the rules applied to higher order of those modulations.

Table 6.2.3A.1_1.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	CA bandwidth Class B and C							MPR (dB)
	25 RB + 50 RB	50 RB + 50 RB	25 RB + 100 RB	50 RB + 100 RB	75 RB + 75 RB	75 RB + 100 RB	100 RB + 100 RB	
64 QAM	≤ 8 and allocation wholly contained within a single CC	≤ 12 and allocation wholly contained within a single CC	≤ 8 and allocation wholly contained within a single CC	≤ 12 and allocation wholly contained within a single CC	≤ 16 and allocation wholly contained within a single CC	≤ 16 and allocation wholly contained within a single CC	≤ 18 and allocation wholly contained within a single CC	≤ 2
64 QAM	> 8 or allocation extends across two CC's	> 12 or allocation extends across two CC's	> 8 or allocation extends across two CC's	> 12 or allocation extends across two CC's	> 16 or allocation extends across two CC's	> 16 or allocation extends across two CC's	> 18 or allocation extends across two CC's	≤ 3

Table 131: MPR information for Uplink intra-band contiguous CA(64QAM)

The UL CA conducted power measurements results are as below:

Antenna	CA Combanation	Test Scenario	Modulation	PCC						SCC						
				PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC UL Channel	SCC UL RB size	SCC UL RB offset	conducted power (dbm)	Tune up (dbm)
SEC ANT	CA_7C	Receiver on	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	11.58	13.00
SEC ANT	CA_7C	Receiver on	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	11.64	13.00
SEC ANT	CA_7C	Receiver on	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.59	13.00
SEC ANT	CA_7C	Receiver on	QPSK	7	20	1	0	21350	2560	7	20	21152	1	99	11.56	13.00
SEC ANT	CA_7C	Full power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	17.65	19.00
SEC ANT	CA_7C	Full power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.68	19.00
SEC ANT	CA_7C	Full power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	17.47	19.00
SEC ANT	CA_7C	Full power	QPSK	7	20	1	0	21350	2560	7	20	21152	1	99	17.35	19.00
MAIN ANT	CA_7C	Full power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	23.51	24.50
MAIN ANT	CA_7C	Full power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	23.17	24.50
MAIN ANT	CA_7C	Full power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	23.48	24.50
MAIN ANT	CA_7C	Full power	QPSK	7	20	1	0	21350	2560	7	20	21152	1	99	23.37	24.50
MAIN ANT	CA_7C	Power Level D2	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	20.04	21.00
MAIN ANT	CA_7C	Power Level D2	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	19.83	21.00
MAIN ANT	CA_7C	Power Level D2	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	19.99	21.00
MAIN ANT	CA_7C	Power Level D2	QPSK	7	20	1	0	21350	2560	7	20	21152	1	99	19.88	21.00
MAIN ANT	CA_7C	Power Level D1	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	21.50	22.50
MAIN ANT	CA_7C	Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	21.41	22.50
MAIN ANT	CA_7C	Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	21.54	22.50
MAIN ANT	CA_7C	Power Level D1	QPSK	7	20	1	0	21350	2560	7	20	21152	1	99	21.38	22.50
MAIN ANT	CA_7C	Power Level D6	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	17.37	18.50
MAIN ANT	CA_7C	Power Level D6	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.26	18.50
MAIN ANT	CA_7C	Power Level D6	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	17.30	18.50
MAIN ANT	CA_7C	Power Level D6	QPSK	7	20	1	0	21350	2560	7	20	21152	1	99	17.23	18.50
MAIN ANT	CA_7C	Power Level D5	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	19.02	20.00
MAIN ANT	CA_7C	Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.75	20.00
MAIN ANT	CA_7C	Power Level D5	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	18.91	20.00
MAIN ANT	CA_7C	Power Level D5	QPSK	7	20	1	0	21350	2560	7	20	21152	1	99	18.86	20.00
MAIN ANT	CA_7C	Power Level D4	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	21.05	22.00
MAIN ANT	CA_7C	Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	20.79	22.00
MAIN ANT	CA_7C	Power Level D4	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	21.02	22.00
MAIN ANT	CA_7C	Power Level D4	QPSK	7	20	1	0	21350	2560	7	20	21152	1	99	20.86	22.00
SEC ANT	CA_38C	Receiver on	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	12.92	14.50
SEC ANT	CA_38C	Receiver on	QPSK	38	20	1	99	37901	2595	38	20	38099	1	0	**13.37**	14.50
SEC ANT	CA_38C	Receiver on	QPSK	38	20	1	0	38099	2595	38	20	37901	1	99	13.18	14.50
SEC ANT	CA_38C	Receiver on	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	13.25	14.50
SEC ANT	CA_38C	Full power	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	19.35	21.00
SEC ANT	CA_38C	Full power	QPSK	38	20	1	99	37901	2595	38	20	38099	1	0	**19.41**	21.00
SEC ANT	CA_38C	Full power	QPSK	38	20	1	0	38099	2595	38	20	37901	1	99	19.38	21.00
SEC ANT	CA_38C	Full power	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	19.34	21.00
SEC ANT	CA_38C	Receiver on+WiFi Antenna	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	12.96	13.50
SEC ANT	CA_38C	Receiver on+WiFi Antenna	QPSK	38	20	1	99	37901	2595	38	20	38099	1	0	13.09	13.50

SEC ANT	CA_38C	Receiver on+WiFi Antenna	QPSK	38	20	1	0	38099	2595	38	20	37901	1	99	**13.13**	13.50
SEC ANT	CA_38C	Receiver on+WiFi Antenna	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	13.06	13.50
SEC ANT	CA_38C	Receiver off+WiFi Antenna	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	19.51	20.00
SEC ANT	CA_38C	Receiver off+WiFi Antenna	QPSK	38	20	1	99	37901	2595	38	20	38099	1	0	19.48	20.00
SEC ANT	CA_38C	Receiver off+WiFi Antenna	QPSK	38	20	1	0	38099	2595	38	20	37901	1	99	**19.54**	20.00
SEC ANT	CA_38C	Receiver off+WiFi Antenna	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	19.39	20.00
MAIN ANT	CA_38C	Full power	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	23.21	24.50
MAIN ANT	CA_38C	Full power	QPSK	38	20	1	99	37901	2595	38	20	38099	1	0	23.31	24.50
MAIN ANT	CA_38C	Full power	QPSK	38	20	1	0	38099	2595	38	20	37901	1	99	**23.55**	24.50
MAIN ANT	CA_38C	Full power	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	23.47	24.50
MAIN ANT	CA_38C	Power Level D2/D6	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	22.39	23.50
MAIN ANT	CA_38C	Power Level D2/D6	QPSK	38	20	1	99	37901	2595	38	20	38099	1	0	22.45	23.50
MAIN ANT	CA_38C	Power Level D2/D6	QPSK	38	20	1	0	38099	2595	38	20	37901	1	99	22.66	23.50
MAIN ANT	CA_38C	Power Level D2/D6	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	22.53	23.50
SEC ANT	CA_41C	Receiver on	QPSK	41	20	1	99	40240	2555	41	20	40438	1	0	13.09	14.50
SEC ANT	CA_41C	Receiver on	QPSK	41	20	1	99	40540	2585	41	20	40738	1	0	**13.26**	14.50
SEC ANT	CA_41C	Receiver on	QPSK	41	20	1	0	40540	2585	41	20	40342	1	99	13.01	14.50
SEC ANT	CA_41C	Receiver on	QPSK	41	20	1	99	40840	2615	41	20	41038	1	0	13.24	14.50
SEC ANT	CA_41C	Receiver on	QPSK	41	20	1	0	40840	2615	41	20	40642	1	99	13.11	14.50
SEC ANT	CA_41C	Receiver on	QPSK	41	20	1	0	41140	2645	41	20	40942	1	99	13.22	14.50
SEC ANT	CA_41C	Full power	QPSK	41	20	1	99	40240	2555	41	20	40438	1	0	21.55	23.00
SEC ANT	CA_41C	Full power	QPSK	41	20	1	99	40540	2585	41	20	40738	1	0	**21.69**	23.00
SEC ANT	CA_41C	Full power	QPSK	41	20	1	0	40540	2585	41	20	40342	1	99	21.47	23.00
SEC ANT	CA_41C	Full power	QPSK	41	20	1	99	40840	2615	41	20	41038	1	0	21.67	23.00
SEC ANT	CA_41C	Full power	QPSK	41	20	1	0	40840	2615	41	20	40642	1	99	21.60	23.00
SEC ANT	CA_41C	Full power	QPSK	41	20	1	0	41140	2645	41	20	40942	1	99	21.67	23.00
SEC ANT	CA_41C	Receiver on+WiFi Antenna	QPSK	41	20	1	99	40240	2555	41	20	40438	1	0	10.61	12.00
SEC ANT	CA_41C	Receiver on+WiFi Antenna	QPSK	41	20	1	99	40540	2585	41	20	40738	1	0	10.77	12.00
SEC ANT	CA_41C	Receiver on+WiFi Antenna	QPSK	41	20	1	0	40540	2585	41	20	40342	1	99	10.48	12.00
SEC ANT	CA_41C	Receiver on+WiFi Antenna	QPSK	41	20	1	99	40840	2615	41	20	41038	1	0	10.69	12.00
SEC ANT	CA_41C	Receiver on+WiFi Antenna	QPSK	41	20	1	0	40840	2615	41	20	40642	1	99	10.59	12.00
SEC ANT	CA_41C	Receiver on+WiFi Antenna	QPSK	41	20	1	0	41140	2645	41	20	40942	1	99	10.53	12.00
SEC ANT	CA_41C	Receiver off+WiFi Antenna	QPSK	41	20	1	99	40240	2555	41	20	40438	1	0	19.05	20.50
SEC ANT	CA_41C	Receiver off+WiFi Antenna	QPSK	41	20	1	99	40540	2585	41	20	40738	1	0	**19.21**	20.50
SEC ANT	CA_41C	Receiver off+WiFi Antenna	QPSK	41	20	1	0	40540	2585	41	20	40342	1	99	19.12	20.50
SEC ANT	CA_41C	Receiver off+WiFi Antenna	QPSK	41	20	1	99	40840	2615	41	20	41038	1	0	19.21	20.50
SEC ANT	CA_41C	Receiver off+WiFi Antenna	QPSK	41	20	1	0	40840	2615	41	20	40642	1	99	19.11	20.50
SEC ANT	CA_41C	Receiver off+WiFi Antenna	QPSK	41	20	1	0	41140	2645	41	20	40942	1	99	19.00	20.50
MAIN ANT	CA_41C	Full power	QPSK	41	20	1	99	40240	2555	41	20	40438	1	0	23.18	24.00
MAIN ANT	CA_41C	Full power	QPSK	41	20	1	99	40540	2585	41	20	40738	1	0	23.22	24.00
MAIN ANT	CA_41C	Full power	QPSK	41	20	1	0	40540	2585	41	20	40342	1	99	23.15	24.00
MAIN ANT	CA_41C	Full power	QPSK	41	20	1	99	40840	2615	41	20	41038	1	0	23.10	24.00
MAIN ANT	CA_41C	Full power	QPSK	41	20	1	0	40840	2615	41	20	40642	1	99	**23.53**	24.00
MAIN ANT	CA_41C	Full power	QPSK	41	20	1	0	41140	2645	41	20	40942	1	99	23.33	24.00

Table 132: Additional Conducted Power test results of UL intra-band CA

7.1.34 Conducted power measurements of WiFi 2.4G

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11b	Ant1	1	2412	1Mbps	12.50	**11.38**	Yes
		6	2437		12.50	**11.55**	Yes
		11	2462		12.50	**11.37**	Yes
	Ant2	1	2412		12.50	**10.95**	Yes
		6	2437		12.50	**11.17**	Yes
		11	2462		12.50	**10.61**	Yes
802.11g	Ant1	1	2412	6Mbps	12.50	11.67	No
		6	2437		12.50	11.70	No
		11	2462		12.50	11.58	No
	Ant2	1	2412		12.50	11.09	No
		6	2437		12.50	11.11	No
		11	2462		12.50	10.77	No
802.11n SISO 20M	Ant1	1	2412	MCS0	12.50	11.26	No
		6	2437		12.50	11.37	No
		11	2462		12.50	11.20	No
	Ant2	1	2412		12.50	10.53	No
		6	2437		12.50	10.55	No
		11	2462		12.50	10.35	No
802.11n SISO 40M	Ant1	3	2422	MCS0	11.50	10.35	No
		4	2427		12.50	11.03	No
		6	2437		12.50	11.17	No
		8	2447		12.50	11.10	No
		9	2452		11.50	10.18	No
	Ant2	3	2422		11.50	9.98	No
		4	2427		12.50	10.81	No
		6	2437		12.50	10.88	No
		8	2447		12.50	10.85	No
		9	2452		11.50	9.91	No

Table 133: Conducted power measurement results of WiFi 2.4G SISO(MCC of FCC countries,Receiver ON).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11g CDD	Ant1	1	2412	6Mbps	12.50	**11.67**	Yes
		6	2437		12.50	**11.70**	Yes
		11	2462		12.50	**11.58**	Yes
	Ant2	1	2412		12.50	**11.09**	Yes
		6	2437		12.50	**11.11**	Yes
		11	2462		12.50	**10.77**	Yes

	Sum	1	2412	6Mbps	15.50	14.40	No
		6	2437		15.50	14.43	No
		11	2462		15.50	14.20	No
802.11n MIMO 20M	Ant1	1	2412	MCS0	12.50	11.26	No
		6	2437		12.50	11.37	No
		11	2462		12.50	11.20	No
	Ant2	1	2412		12.50	10.53	No
		6	2437		12.50	10.55	No
		11	2462		12.50	10.35	No
	Sum	1	2412	MCS0	15.50	13.92	No
		6	2437		15.50	13.99	No
		11	2462		15.50	13.81	No
802.11n MIMO 40M	Ant1	3	2422	MCS0	11.50	10.35	No
		4	2427		12.50	11.03	No
		6	2437		12.50	11.17	No
		8	2447		12.50	11.10	No
		9	2452		11.50	10.18	No
	Ant2	3	2422		11.50	9.98	No
		4	2427		12.50	10.81	No
		6	2437		12.50	10.88	No
		8	2447		12.50	10.85	No
		9	2452		11.50	9.91	No
	Sum	3	2422	MCS0	14.50	13.18	No
		4	2427		15.50	13.93	No
		6	2437		15.50	14.04	No
		8	2447		15.50	13.99	No
		9	2452		14.50	13.06	No

Table 134: Conducted power measurement results of WiFi 2.4G CDD/MIMO(MCC of FCC countries,Receiver ON).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11b	Ant1	1	2412	1Mbps	17.50	16.17	No
		6	2437		17.50	16.39	No
		11	2462		17.50	**16.41**	Yes
	Ant2	1	2412		17.50	15.94	No
		6	2437		17.50	**16.09**	Yes
		11	2462		17.50	15.88	No
802.11g	Ant1	1	2412	6Mbps	13.00	12.05	No
		2	2417		17.50	16.01	No
		6	2437		17.50	15.94	No
		10	2457		17.50	15.91	No
		11	2462		13.00	11.99	No
	Ant2	1	2412		13.00	11.85	No
		2	2417		17.50	16.02	No
		6	2437		17.50	15.97	No
		10	2457		17.50	15.77	No
		11	2462		13.00	11.50	No
802.11n SISO 20M	Ant1	1	2412	MCS0	13.00	11.63	No
		2	2417		16.50	14.61	No
		6	2437		16.50	14.81	No
		10	2457		16.50	14.86	No
		11	2462		13.00	11.50	No
	Ant2	1	2412		13.00	11.12	No
		2	2417		16.50	15.05	No
		6	2437		16.50	15.08	No
		10	2457		16.50	14.88	No
		11	2462		13.00	11.15	No
802.11n SISO 40M	Ant1	3	2422	MCS0	11.50	10.24	No
		4	2427		15.00	13.14	No
		6	2437		15.00	13.24	No
		8	2447		15.00	13.17	No
		9	2452		11.50	10.15	No
	Ant2	3	2422		11.50	10.24	No
		4	2427		15.00	13.65	No
		6	2437		15.00	13.54	No
		8	2447		15.00	13.58	No
		9	2452		11.50	10.08	No

Table 135: Conducted power measurement results of WiFi 2.4G SISO (Full Power).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11g CDD	Ant1	1	2412	6Mbps	13.00	12.05	No
		2	2417		17.50	**16.01**	Yes
		6	2437		17.50	15.94	No
		10	2457		17.50	15.91	No
		11	2462		13.00	11.99	No
	Ant2	1	2412		13.00	11.85	No
		2	2417		17.50	**16.02**	Yes
		6	2437		17.50	15.97	No
		10	2457		17.50	15.77	No
		11	2462		13.00	11.50	No
	Sum	1	2412	6Mbps	16.00	14.96	No
		2	2417		20.50	19.00	No
		6	2437		20.50	18.97	No
		10	2457		20.50	18.95	No
		11	2462		16.00	14.76	No
Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n MIMO 20M	Ant1	1	2412	MCS0	13.00	11.63	No
		2	2417		16.50	14.61	No
		6	2437		16.50	14.81	No
		10	2457		16.50	14.86	No
		11	2462		13.00	11.50	No
	Ant2	1	2412		13.00	11.12	No
		2	2417		16.50	15.05	No
		6	2437		16.50	15.08	No
		10	2457		16.50	14.88	No
		11	2462		13.00	11.15	No
	Sum	1	2412	MCS8	16.00	14.39	No
		2	2417		19.50	17.85	No
		6	2437		19.50	17.96	No
		10	2457		19.50	17.88	No
		11	2462		16.00	14.34	No
Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n MIMO 40M	Ant1	3	2422	MCS0	11.50	10.24	No
		4	2427		15.00	13.14	No
		6	2437		15.00	13.24	No
		8	2447		15.00	13.17	No
		9	2452		11.50	10.15	No
	Ant2	3	2422		11.50	10.24	No
		4	2427		15.00	13.65	No
		6	2437		15.00	13.54	No

		8	2447		15.00	13.58	No
		9	2452		11.50	10.08	No
	Sum	3	2422	MCS0	14.50	13.25	No
		4	2427		18.00	16.41	No
		6	2437		18.00	16.40	No
		8	2447		18.00	16.39	No
		9	2452		14.50	13.13	No

Table 136: Conducted power measurement results of WiFi 2.4G CDD/MIMO (Full Power).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11b	Ant 1	1	2412	1Mbps	13.50	11.98
		7	2442		13.50	12.08
		13	2472		13.50	12.18
	Ant 2	1	2412		13.50	12.07
		7	2442		13.50	12.23
		13	2472		13.50	12.53
Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11g	Ant 1	1	2412	6Mbps	13.00	11.90
		2	2417		13.50	12.39
		7	2442		13.50	12.26
		10	2457		13.50	12.67
		11	2462		13.00	12.31
		12	2467		13.50	12.45
		13	2472		13.50	12.70
	Ant 2	1	2412		13.00	11.74
		2	2417		13.50	12.08
		7	2442		13.50	12.20
		10	2457		13.50	12.51
		11	2462		13.00	12.07
		12	2467		13.50	12.29
		13	2472		13.50	12.26
Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n SISO 20M	Ant 1	1	2412	MCS0	13.50	11.49
		2	2417		13.50	11.83
		7	2442		13.50	11.83
		10	2457		13.50	12.38
		11	2462		13.50	11.94
		12	2467		13.50	11.96
		13	2472		13.50	12.28
	Ant 2	1	2412		13.50	11.13
		2	2417		13.50	11.79
		7	2442		13.50	11.63
		10	2457		13.50	12.16
		11	2462		13.50	11.71
		12	2467		13.50	12.01
		13	2472		13.50	11.82
Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n SISO	Ant 1	3	2422	MCS0	11.50	10.39
		4	2427		13.50	11.54

40M		7	2442		13.50	12.28
		8	2447		13.50	11.96
		9	2452		11.50	10.23
		10	2457		11.50	9.93
		11	2462		11.50	9.95
	Ant 2	3	2422		11.50	9.43
		4	2427		13.50	11.49
		7	2442		13.50	10.56
		8	2447		13.50	11.01
		9	2452		11.50	9.38
		10	2457		11.50	9.36
		11	2462		11.50	8.98

Table 137: Conducted power measurement results of WiFi 2.4G SISO (MCC of CE countries,Receiver ON).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11g CCD	Ant1	1	2412	6Mbps	13.00	11.90
		2	2417		13.50	12.39
		7	2442		13.50	12.26
		10	2457		13.50	12.67
		11	2462		13.00	12.31
		12	2467		13.50	12.45
		13	2472		13.50	12.70
	Ant2	1	2412		13.00	11.74
		2	2417		13.50	12.08
		7	2442		13.50	12.20
		10	2457		13.50	12.51
		11	2462		13.00	12.07
		12	2467		13.50	12.29
		13	2472		13.50	12.26
	Sum	1	2412		16.00	14.83
		2	2417		16.50	15.25
		7	2442		16.50	15.24
		10	2457		16.50	15.70
		11	2462		16.00	15.20
		12	2467		16.50	15.38
		13	2472		16.50	15.50
Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n MIMO 20M	Ant1	1	2412	MCS0	13.50	11.49
		2	2417		13.50	11.83
		7	2442		13.50	11.83
		10	2457		13.50	12.38
		11	2462		13.50	11.94
		12	2467		13.50	11.96
		13	2472		13.50	12.28
	Ant2	1	2412		13.50	11.13
		2	2417		13.50	11.79
		7	2442		13.50	11.63
		10	2457		13.50	12.16
		11	2462		13.50	11.71
		12	2467		13.50	12.01
		13	2472		13.50	11.82
	Sum	1	2412		16.50	14.32
		2	2442		16.50	14.82
		7	2442		16.50	14.74
		10	2442		16.50	15.28

		11	2442		16.50	14.84
		12	2442		16.50	15.00
		13	2472		16.50	15.07
Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n MIMO 40M	Ant1	3	2422	MCS0	11.50	10.39
		4	2427		13.50	11.54
		7	2442		13.50	12.28
		8	2447		13.50	11.96
		9	2452		11.50	10.23
		10	2457		11.50	9.93
		11	2462		11.50	9.95
	Ant2	3	2422		11.50	9.43
		4	2427		13.50	11.49
		7	2442		13.50	10.56
		8	2447		13.50	11.01
		9	2452		11.50	9.38
		10	2457		11.50	9.36
		11	2462		11.50	8.98
	Sum	3	2422		14.50	12.95
		4	2427		16.50	14.53
		7	2442		16.50	14.51
		8	2447		16.50	14.52
		9	2452		14.50	12.84
		10	2457		14.50	12.66
		11	2462		14.50	12.50

Table 138: Conducted power measurement results of WiFi 2.4G CDD/MIMO(MCC of CE countries,Receiver ON).

Note:

1) The Average conducted power of WiFi is measured with RMS detector.

2) As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.

7.1.35 Conducted power measurements of WiFi 5G

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11a SISO	Ant1	CH 36	5180	6Mbps	11.00	9.79	No
		CH 40	5200		11.00	10.15	No
		CH 44	5220		11.00	10.41	No
		CH 48	5240		11.00	10.45	No
		CH 52	5260		11.00	10.32	No
		CH 56	5280		11.00	10.21	No
		CH 60	5300		11.00	10.27	No
		CH 64	5320		11.00	9.98	No
		CH 100	5500		11.00	10.00	No
		CH 104	5520		11.00	10.09	No
		CH 108	5540		11.00	10.36	No
		CH 112	5560		11.00	10.35	No
		CH 116	5580		11.00	10.22	No
		CH 120	5600		11.00	10.31	No
		CH 124	5620		11.00	10.05	No
		CH 128	5640		11.00	10.24	No
		CH 132	5660		11.00	10.63	No
		CH 136	5680		11.00	10.72	No
		CH 140	5700		11.00	9.61	No
		CH 149	5745		11.00	10.09	No
		CH 153	5765		11.00	10.14	No
		CH 157	5785		11.00	10.17	No
		CH 161	5805		11.00	9.66	No
		CH 165	5825		11.00	**10.18**	Yes
	Ant2	CH 36	5180		11.00	9.91	No
		CH 40	5200		11.00	9.92	No
		CH 44	5220		11.00	9.95	No
		CH 48	5240		11.00	9.98	No
		CH 52	5260		11.00	9.99	No
		CH 56	5280		11.00	10.07	No
		CH 60	5300		11.00	10.10	No
		CH 64	5320		11.00	9.89	No
		CH 100	5500		11.00	10.24	No
		CH 104	5520		11.00	10.55	No
		CH 108	5540		11.00	10.48	No
		CH 112	5560		11.00	10.33	No
		CH 116	5580		11.00	8.89	No
		CH 120	5600		11.00	8.78	No
		CH 124	5620		11.00	8.51	No
		CH 128	5640		11.00	8.43	No
		CH 132	5660		11.00	8.75	No
		CH 136	5680		11.00	8.96	No
		CH 140	5700		11.00	8.21	No
		CH 149	5745		10.00	9.03	No

		CH 153	5765		10.00	9.10	No
		CH 157	5785		10.00	9.21	No
		CH 161	5805		10.00	9.24	No
		CH 165	5825		10.00	**9.35**	Yes
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n SISO 20M (5GHz)	Ant1	CH 36	5180	MCS0	11.00	9.21	No
		CH 40	5200		11.00	9.40	No
		CH 44	5220		11.00	9.38	No
		CH 48	5240		11.00	9.60	No
		CH 52	5260		11.00	9.53	No
		CH 56	5280		11.00	9.48	No
		CH 60	5300		11.00	9.16	No
		CH 64	5320		11.00	9.45	No
		CH 100	5500		11.00	9.49	No
		CH 104	5520		11.00	9.53	No
		CH 108	5540		11.00	9.20	No
		CH 112	5560		11.00	9.47	No
		CH 116	5580		11.00	9.46	No
		CH 120	5600		11.00	9.54	No
		CH 124	5620		11.00	9.45	No
		CH 128	5640		11.00	9.66	No
		CH 132	5660		11.00	9.77	No
		CH 136	5680		11.00	9.84	No
		CH 140	5700		11.00	9.89	No
		CH 149	5745		10.00	8.21	No
		CH 153	5765		10.00	8.14	No
		CH 157	5785		10.00	7.57	No
		CH 161	5805		10.00	8.02	No
		CH 165	5825		10.00	7.92	No
	Ant2	CH 36	5180		11.00	9.68	No
		CH 40	5200		11.00	9.67	No
		CH 44	5220		11.00	9.65	No
		CH 48	5240		11.00	9.66	No
		CH 52	5260		11.00	9.66	No
		CH 56	5280		11.00	9.73	No
		CH 60	5300		11.00	9.78	No
		CH 64	5320		11.00	9.72	No
		CH 100	5500		11.00	9.91	No
		CH 104	5520		11.00	9.90	No
		CH 108	5540		11.00	9.86	No
		CH 112	5560		11.00	9.87	No
		CH 116	5580		11.00	9.73	No
		CH 120	5600		11.00	9.76	No
		CH 124	5620		11.00	9.54	No
		CH 128	5640		11.00	9.38	No
		CH 132	5660		11.00	9.38	No

		CH 136	5680		11.00	9.15	No
		CH 140	5700		11.00	8.85	No
		CH 149	5745		9.00	7.04	No
		CH 153	5765		9.00	7.06	No
		CH 157	5785		9.00	7.16	No
		CH 161	5805		9.00	7.21	No
		CH 165	5825		9.00	7.38	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n SISO 40M (5GHz)	Ant1	CH 38	5190	MCS0	9.50	7.72	No
		CH 46	5230		11.00	9.38	No
		CH 54	5270		11.00	**9.75**	Yes
		CH 62	5310		9.50	8.00	No
		CH 102	5510		9.50	7.82	No
		CH 110	5550		11.00	**9.46**	Yes
		CH 118	5590		11.00	9.45	No
		CH 126	5630		11.00	9.32	No
		CH 134	5670		9.50	8.68	No
		CH 151	5755		10.50	8.92	No
		CH 159	5795		10.50	8.79	No
	Ant2	CH 38	5190		9.50	8.36	No
		CH 46	5230		11.00	9.91	No
		CH 54	5270		11.00	**9.91**	Yes
		CH 62	5310		9.50	8.40	No
		CH 102	5510		9.50	8.64	No
		CH 110	5550		11.00	**10.21**	Yes
		CH 118	5590		11.00	10.04	No
		CH 126	5630		11.00	9.81	No
		CH 134	5670		9.50	7.82	No
		CH 151	5755		9.50	7.62	No
		CH 159	5795		9.50	7.73	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 20M (5GHz)	Ant1	CH 36	5180	MCS0	11.00	9.18	No
		CH 40	5200		11.00	9.36	No
		CH 44	5220		11.00	9.34	No
		CH 48	5240		11.00	9.63	No
		CH 52	5260		11.00	9.67	No
		CH 56	5280		11.00	9.64	No
		CH 60	5300		11.00	9.37	No
		CH 64	5320		11.00	9.42	No
		CH 100	5500		11.00	9.47	No
		CH 104	5520		11.00	9.55	No
		CH 108	5540		11.00	9.38	No
		CH 112	5560		11.00	9.44	No
		CH 116	5580		11.00	9.30	No

		CH 120	5600		11.00	9.41	No
		CH 124	5620		11.00	9.32	No
		CH 128	5640		11.00	9.44	No
		CH 132	5660		11.00	9.43	No
		CH 136	5680		11.00	9.43	No
		CH 140	5700		11.00	9.84	No
		CH 149	5745		10.00	8.23	No
		CH 153	5765		10.00	7.77	No
		CH 157	5785		10.00	7.76	No
		CH 161	5805		10.00	7.73	No
		CH 165	5825		10.00	7.82	No
	Ant2	CH 36	5180		11.00	9.67	No
		CH 40	5200		11.00	9.63	No
		CH 44	5220		11.00	9.64	No
		CH 48	5240		11.00	9.64	No
		CH 52	5260		11.00	9.68	No
		CH 56	5280		11.00	9.76	No
		CH 60	5300		11.00	9.81	No
		CH 64	5320		11.00	9.76	No
		CH 100	5500		11.00	9.67	No
		CH 104	5520		11.00	6.57	No
		CH 108	5540		11.00	9.56	No
		CH 112	5560		11.00	9.58	No
		CH 116	5580		11.00	9.58	No
		CH 120	5600		11.00	9.54	No
		CH 124	5620		11.00	9.64	No
		CH 128	5640		11.00	9.46	No
		CH 132	5660		11.00	9.58	No
		CH 136	5680		11.00	9.33	No
		CH 140	5700		11.00	9.07	No
		CH 149	5745		9.00	6.87	No
		CH 153	5765		9.00	6.90	No
		CH 157	5785		9.00	6.99	No
		CH 161	5805		9.00	7.09	No
		CH 165	5825		9.00	7.20	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 40M (5GHz)	Ant1	CH 38	5190	MCS0	9.50	7.84	No
		CH 46	5230		11.00	9.46	No
		CH 54	5270		11.00	9.56	No
		CH 62	5310		9.50	7.97	No
		CH 102	5510		9.50	7.92	No
		CH 110	5550		11.00	9.46	No
		CH 118	5590		11.00	9.02	No
		CH 126	5630		11.00	9.35	No
		CH 134	5670		9.50	8.36	No

		CH 151	5755		10.50	9.02	No
		CH 159	5795		10.50	8.97	No
	Ant2	CH 38	5190		9.50	7.77	No
		CH 46	5230		11.00	9.63	No
		CH 54	5270		11.00	9.89	No
		CH 62	5310		9.50	8.37	No
		CH 102	5510		9.50	8.56	No
		CH 110	5550		11.00	10.08	No
		CH 118	5590		11.00	10.04	No
		CH 126	5630		11.00	9.94	No
		CH 134	5670		9.50	8.19	No
		CH 151	5755		9.50	7.66	6.9
		CH 159	5795		9.50	7.73	6.88
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 80M (5GHz)	Ant1	CH 42	5210	MCS0	9.50	8.33	No
		CH 58	5290		9.50	8.22	No
		CH 106	5530		9.50	7.40	No
		CH 122	5610		9.50	7.88	No
		CH 155	5775		9.00	5.74	No
	Ant2	CH 42	5210		9.50	7.91	No
		CH 58	5290		9.50	8.00	No
		CH 106	5530		9.50	8.48	No
		CH 122	5610		9.50	8.50	No
		CH 155	5775		8.00	5.31	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 160M (5GHz)	Ant1	CH 50	5250	MCS0	9.00	6.01	No
		CH 114	5570		9.00	6.06	No
	Ant2	CH 50	5250		8.00	5.42	No
		CH 114	5570		8	5.11	No

Table 139: Conducted power measurement results of WiFi 5G SISO (MCC of FCC countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11a CDD (5GHz)	Ant1	CH 36	5180	6Mbps	11.00	9.79	No
		CH 40	5200		11.00	10.15	No
		CH 44	5220		11.00	10.41	No
		CH 48	5240		11.00	10.45	No
		CH 52	5260		11.00	10.32	No
		CH 56	5280		11.00	10.21	No
		CH 60	5300		11.00	10.27	No
		CH 64	5320		11.00	9.98	No
		CH 100	5500		11.00	10.00	No
		CH 104	5520		11.00	10.09	No
		CH 108	5540		11.00	10.36	No
		CH 112	5560		11.00	10.35	No
		CH 116	5580		11.00	10.22	No
		CH 120	5600		11.00	10.31	No
		CH 124	5620		11.00	10.05	No
		CH 128	5640		11.00	10.24	No
		CH 132	5660		11.00	10.63	No
		CH 136	5680		11.00	10.72	No
		CH 140	5700		11.00	9.61	No
		CH 149	5745		11.00	10.09	No
		CH 153	5765		11.00	10.14	No
		CH 157	5785		11.00	10.17	No
		CH 161	5805		11.00	9.66	No
		CH 165	5825		11.00	**10.18**	Yes
	Ant2	CH 36	5180		11.00	9.91	No
		CH 40	5200		11.00	9.92	No
		CH 44	5220		11.00	9.95	No
		CH 48	5240		11.00	9.98	No
		CH 52	5260		11.00	9.99	No
		CH 56	5280		11.00	10.07	No
		CH 60	5300		11.00	10.10	No
		CH 64	5320		11.00	9.89	No
		CH 100	5500		11.00	10.24	No
		CH 104	5520		11.00	10.55	No
		CH 108	5540		11.00	10.48	No
		CH 112	5560		11.00	10.33	No
		CH 116	5580		11.00	8.89	No
		CH 120	5600		11.00	8.78	No
		CH 124	5620		11.00	8.51	No
		CH 128	5640		11.00	8.43	No
		CH 132	5660		11.00	8.75	No
		CH 136	5680		11.00	8.96	No
		CH 140	5700		11.00	8.21	No
		CH 149	5745		10.00	9.03	No
		CH 153	5765		10.00	9.10	No

		CH 157	5785		10.00	9.21	No
		CH 161	5805		10.00	9.24	No
		CH 165	5825		10.00	**9.35**	Yes
	Sum	CH 36	5180	6Mbps	14.00	12.86	No
		CH 40	5200		14.00	13.05	No
		CH 44	5220		14.00	13.20	No
		CH 48	5240		14.00	13.23	No
		CH 52	5260		14.00	13.17	No
		CH 56	5280		14.00	13.15	No
		CH 60	5300		14.00	13.20	No
		CH 64	5320		14.00	12.95	No
		CH 100	5500		14.00	13.13	No
		CH 104	5520		14.00	13.34	No
		CH 108	5540		14.00	13.43	No
		CH 112	5560		14.00	13.35	No
		CH 116	5580		14.00	12.62	No
		CH 120	5600		14.00	12.62	No
		CH 124	5620		14.00	12.36	No
		CH 128	5640		14.00	12.44	No
		CH 132	5660		14.00	12.80	No
		CH 136	5680		14.00	12.94	No
		CH 140	5700		14.00	11.98	No
		CH 149	5745		13.50	12.60	No
		CH 153	5765		13.50	12.66	No
		CH 157	5785		13.50	12.73	No
		CH 161	5805		13.50	12.47	No
		CH 165	5825		13.50	12.80	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n MIMO 20M (5GHz)	Ant1	CH 36	5180	MCS0	11.00	9.21	No
		CH 40	5200		11.00	9.40	No
		CH 44	5220		11.00	9.38	No
		CH 48	5240		11.00	9.60	No
		CH 52	5260		11.00	9.53	No
		CH 56	5280		11.00	9.48	No
		CH 60	5300		11.00	9.16	No
		CH 64	5320		11.00	9.45	No
		CH 100	5500		11.00	9.49	No
		CH 104	5520		11.00	9.53	No
		CH 108	5540		11.00	9.20	No
		CH 112	5560		11.00	9.47	No
		CH 116	5580		11.00	9.46	No
		CH 120	5600		11.00	9.54	No
		CH 124	5620		11.00	9.45	No
		CH 128	5640		11.00	9.66	No
		CH 132	5660		11.00	9.77	No

		CH 136	5680		11.00	9.84	No
		CH 140	5700		11.00	9.89	No
		CH 149	5745		10.00	8.21	No
		CH 153	5765		10.00	8.14	No
		CH 157	5785		10.00	7.57	No
		CH 161	5805		10.00	8.02	No
		CH 165	5825		10.00	7.92	No
	Ant2	CH 36	5180		11.00	9.68	No
		CH 40	5200		11.00	9.67	No
		CH 44	5220		11.00	9.65	No
		CH 48	5240		11.00	9.66	No
		CH 52	5260		11.00	9.66	No
		CH 56	5280		11.00	9.73	No
		CH 60	5300		11.00	9.78	No
		CH 64	5320		11.00	9.72	No
		CH 100	5500		11.00	9.91	No
		CH 104	5520		11.00	9.90	No
		CH 108	5540		11.00	9.86	No
		CH 112	5560		11.00	9.87	No
		CH 116	5580		11.00	9.73	No
		CH 120	5600		11.00	9.76	No
		CH 124	5620		11.00	9.54	No
		CH 128	5640		11.00	9.38	No
		CH 132	5660		11.00	9.38	No
		CH 136	5680		11.00	9.15	No
		CH 140	5700		11.00	8.85	No
		CH 149	5745		9.00	7.04	No
		CH 153	5765		9.00	7.06	No
		CH 157	5785		9.00	7.16	No
		CH 161	5805		9.00	7.21	No
		CH 165	5825		9.00	7.38	No
	Sum	CH 36	5180	MCS0	14.00	12.46	No
		CH 40	5200		14.00	12.55	No
		CH 44	5220		14.00	12.53	No
		CH 48	5240		14.00	12.64	No
		CH 52	5260		14.00	12.61	No
		CH 56	5280		14.00	12.62	No
		CH 60	5300		14.00	12.49	No
		CH 64	5320		14.00	12.60	No
		CH 100	5500		14.00	12.72	No
		CH 104	5520		14.00	12.73	No
		CH 108	5540		14.00	12.55	No
		CH 112	5560		14.00	12.68	No
		CH 116	5580		14.00	12.61	No
		CH 120	5600		14.00	12.66	No
		CH 124	5620		14.00	12.51	No
		CH 128	5640		14.00	12.53	No

		CH 132	5660		14.00	12.59	No
		CH 136	5680		14.00	12.52	No
		CH 140	5700		14.00	12.41	No
		CH 149	5745		12.50	10.67	No
		CH 153	5765		12.50	10.64	No
		CH 157	5785		12.50	10.38	No
		CH 161	5805		12.50	10.64	No
		CH 165	5825		12.50	10.67	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n MIMO 40M (5GHz)	Ant1	CH 38	5190	MCS0	9.50	7.72	No
		CH 46	5230		11.00	9.38	No
		CH 54	5270		11.00	**9.75**	Yes
		CH 62	5310		9.50	8.00	No
		CH 102	5510		9.50	7.82	No
		CH 110	5550		11.00	**9.46**	Yes
		CH 118	5590		11.00	9.45	No
		CH 126	5630		11.00	9.32	No
		CH 134	5670		9.50	8.68	No
		CH 151	5755		10.50	8.92	No
		CH 159	5795		10.50	8.79	No
	Ant2	CH 38	5190		9.50	8.36	No
		CH 46	5230		11.00	9.91	No
		CH 54	5270		11.00	**9.91**	Yes
		CH 62	5310		9.50	8.40	No
		CH 102	5510		9.50	8.64	No
		CH 110	5550		11.00	**10.21**	Yes
		CH 118	5590		11.00	10.04	No
		CH 126	5630		11.00	9.81	No
		CH 134	5670		9.50	7.82	No
		CH 151	5755		9.50	7.62	No
		CH 159	5795		9.50	7.73	No
	Sum	CH 38	5190	MCS0	12.50	11.06	No
		CH 46	5230		14.00	12.66	No
		CH 54	5270		14.00	12.84	No
		CH 62	5310		12.50	11.21	No
		CH 102	5510		12.50	11.26	No
		CH 110	5550		14.00	12.86	No
		CH 118	5590		14.00	12.77	No
		CH 126	5630		14.00	12.58	No
		CH 134	5670		12.50	11.28	No
		CH 151	5755		13.00	11.33	No
		CH 159	5795		13.00	11.30	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac	Ant1	CH 36	5180	MCS0	11.00	9.18	No

MIMO 20M (5GHz)		CH 40	5200		11.00	9.36	No
		CH 44	5220		11.00	9.34	No
		CH 48	5240		11.00	9.63	No
		CH 52	5260		11.00	9.67	No
		CH 56	5280		11.00	9.64	No
		CH 60	5300		11.00	9.37	No
		CH 64	5320		11.00	9.42	No
		CH 100	5500		11.00	9.47	No
		CH 104	5520		11.00	9.55	No
		CH 108	5540		11.00	9.38	No
		CH 112	5560		11.00	9.44	No
		CH 116	5580		11.00	9.30	No
		CH 120	5600		11.00	9.41	No
		CH 124	5620		11.00	9.32	No
		CH 128	5640		11.00	9.44	No
		CH 132	5660		11.00	9.43	No
		CH 136	5680		11.00	9.43	No
		CH 140	5700		11.00	9.84	No
		CH 149	5745		10.00	8.23	No
		CH 153	5765		10.00	7.77	No
		CH 157	5785		10.00	7.76	No
		CH 161	5805		10.00	7.73	No
		CH 165	5825		10.00	7.82	No
	Ant2	CH 36	5180		11.00	9.67	No
		CH 40	5200		11.00	9.63	No
		CH 44	5220		11.00	9.64	No
		CH 48	5240		11.00	9.64	No
		CH 52	5260		11.00	9.68	No
		CH 56	5280		11.00	9.76	No
		CH 60	5300		11.00	9.81	No
		CH 64	5320		11.00	9.76	No
		CH 100	5500		11.00	9.67	No
		CH 104	5520		11.00	6.57	No
		CH 108	5540		11.00	9.56	No
		CH 112	5560		11.00	9.58	No
		CH 116	5580		11.00	9.58	No
		CH 120	5600		11.00	9.54	No
		CH 124	5620		11.00	9.64	No
		CH 128	5640		11.00	9.46	No
		CH 132	5660		11.00	9.58	No
		CH 136	5680		11.00	9.33	No
		CH 140	5700		11.00	9.07	No
		CH 149	5745		9.00	6.87	No
		CH 153	5765		9.00	6.90	No
		CH 157	5785		9.00	6.99	No
		CH 161	5805		9.00	7.09	No

		CH 165	5825		9.00	7.20	No
	Sum	CH 36	5180	MCS0	14.00	12.44	No
		CH 40	5200		14.00	12.51	No
		CH 44	5220		14.00	12.50	No
		CH 48	5240		14.00	12.65	No
		CH 52	5260		14.00	12.69	No
		CH 56	5280		14.00	12.71	No
		CH 60	5300		14.00	12.61	No
		CH 64	5320		14.00	12.60	No
		CH 100	5500		14.00	12.58	No
		CH 104	5520		14.00	11.32	No
		CH 108	5540		14.00	12.48	No
		CH 112	5560		14.00	12.52	No
		CH 116	5580		14.00	12.45	No
		CH 120	5600		14.00	12.49	No
		CH 124	5620		14.00	12.49	No
		CH 128	5640		14.00	12.46	No
		CH 132	5660		14.00	12.52	No
		CH 136	5680		14.00	12.39	No
		CH 140	5700		14.00	12.48	No
		CH 149	5745		12.50	10.61	No
		CH 153	5765		12.50	10.37	No
		CH 157	5785		12.50	10.40	No
		CH 161	5805		12.50	10.43	No
		CH 165	5825		12.50	10.53	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac MIMO 40M (5GHz)	Ant1	CH 38	5190	MCS0	9.50	7.84	No
		CH 46	5230		11.00	9.46	No
		CH 54	5270		11.00	9.56	No
		CH 62	5310		9.50	7.97	No
		CH 102	5510		9.50	7.92	No
		CH 110	5550		11.00	9.46	No
		CH 118	5590		11.00	9.02	No
		CH 126	5630		11.00	9.35	No
		CH 134	5670		9.50	8.36	No
		CH 151	5755		10.50	9.02	No
		CH 159	5795		10.50	8.97	No
	Ant2	CH 38	5190		9.50	7.77	No
		CH 46	5230		11.00	9.63	No
		CH 54	5270		11.00	9.89	No
		CH 62	5310		9.50	8.37	No
		CH 102	5510		9.50	8.56	No
		CH 110	5550		11.00	10.08	No
		CH 118	5590		11.00	10.04	No
		CH 126	5630		11.00	9.94	No

		CH 134	5670		9.50	8.19	No
		CH 151	5755		9.50	7.66	6.9
		CH 159	5795		9.50	7.73	6.88
	Sum	CH 38	5190	MCS0	12.50	10.82	No
		CH 46	5230		14.00	12.56	No
		CH 54	5270		14.00	12.74	No
		CH 62	5310		12.50	11.18	No
		CH 102	5510		12.50	11.26	No
		CH 110	5550		14.00	12.79	No
		CH 118	5590		14.00	12.57	No
		CH 126	5630		14.00	12.67	No
		CH 134	5670		12.50	11.29	No
		CH 151	5755		13.00	11.40	No
		CH 159	5795		13.00	11.40	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac MIMO 80M (5GHz)	Ant1	CH 42	5210	MCS0	9.50	8.33	No
		CH 58	5290		9.50	8.22	No
		CH 106	5530		9.50	7.40	No
		CH 122	5610		9.50	7.88	No
		CH 155	5775		9.00	5.74	No
	Ant2	CH 42	5210		9.50	7.91	No
		CH 58	5290		9.50	8.00	No
		CH 106	5530		9.50	8.48	No
		CH 122	5610		9.50	8.50	No
		CH 155	5775		8.00	5.31	No
	Sum	CH 42	5210	MCS0	12.50	11.14	No
		CH 58	5290		12.50	11.12	No
		CH 106	5530		12.50	10.98	No
		CH 122	5610		12.50	11.21	No
		CH 155	5775		11.50	8.54	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac MIMO 160M (5GHz)	Ant1	CH 50	5250	MCS0	9.00	6.01	No
		CH 114	5570		9.00	6.06	No
	Ant2	CH 50	5250		8.00	5.42	No
		CH 114	5570		8.00	5.11	No
	Sum	CH 50	5250	MCS0	11.50	8.74	No
		CH 114	5570		11.50	8.62	No

Table 140: Conducted power measurement results of WiFi 5G CDD/MIMO (MCC of FCC countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11a SISO	Ant1	CH 36	5180	6Mbps	11.50	9.61	No
		CH 40	5200		16.00	14.75	No
		CH 44	5220		16.00	14.73	No
		CH 48	5240		16.00	**15.02**	Yes
		CH 52	5260		16.00	15.12	No
		CH 56	5280		16.00	15.13	No
		CH 60	5300		16.00	**15.16**	Yes
		CH 64	5320		11.50	9.67	No
		CH 100	5500		11.50	9.28	No
		CH 104	5520		16.00	**15.19**	Yes
		CH 108	5540		16.00	14.86	No
		CH 112	5560		16.00	14.87	No
		CH 116	5580		16.00	14.90	No
		CH 120	5600		16.00	14.96	No
		CH 124	5620		16.00	15.03	No
		CH 128	5640		16.00	15.11	No
		CH 132	5660		16.00	15.12	No
		CH 136	5680		16.00	15.17	No
		CH 140	5700		11.00	9.78	No
		CH 149	5745		11.00	10.29	No
		CH 153	5765		11.00	10.38	No
		CH 157	5785		11.00	10.34	No
		CH 161	5805		11.00	10.23	No
		CH 165	5825		11.00	**10.39**	Yes
	Ant2	CH 36	5180		11.50	9.94	No
		CH 40	5200		15.00	14.78	No
		CH 44	5220		15.00	14.95	No
		CH 48	5240		15.00	14.98	Yes
		CH 52	5260		15.00	14.81	No
		CH 56	5280		15.00	14.91	No
		CH 60	5300		15.00	**14.93**	Yes
		CH 64	5320		11.50	10.74	No
		CH 100	5500		11.50	11.02	No
		CH 104	5520		15.00	**14.95**	Yes
		CH 108	5540		15.00	14.91	No
		CH 112	5560		15.00	14.89	No
		CH 116	5580		15.00	14.94	No
		CH 120	5600		15.00	14.87	No
		CH 124	5620		15.00	14.85	No
		CH 128	5640		15.00	14.88	No
		CH 132	5660		15.00	14.49	No
		CH 136	5680		15.00	14.43	No
		CH 140	5700		11.00	8.97	No
		CH 149	5745		10.00	9.14	No
		CH 153	5765		10.00	9.20	No

		CH 157	5785		10.00	9.27	No
		CH 161	5805		10.00	9.32	No
		CH 165	5825		10.00	**9.35**	Yes
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n SISO 20M (5GHz)	Ant1	CH 36	5180	MCS0	11.50	9.75	No
		CH 40	5200		15.00	13.27	No
		CH 44	5220		15.00	13.36	No
		CH 48	5240		15.00	13.04	No
		CH 52	5260		15.00	13.19	No
		CH 56	5280		15.00	13.29	No
		CH 60	5300		15.00	13.34	No
		CH 64	5320		11.50	9.87	No
		CH 100	5500		11.50	9.97	No
		CH 104	5520		15.00	13.27	No
		CH 108	5540		15.00	13.36	No
		CH 112	5560		15.00	13.35	No
		CH 116	5580		15.00	13.35	No
		CH 120	5600		15.00	13.25	No
		CH 124	5620		15.00	13.32	No
		CH 128	5640		15.00	13.41	No
		CH 132	5660		15.00	13.56	No
		CH 136	5680		15.00	13.54	No
		CH 140	5700		11.00	9.99	No
		CH 149	5745		10.00	8.19	No
		CH 153	5765		10.00	7.56	No
		CH 157	5785		10.00	8.18	No
		CH 161	5805		10.00	8.03	No
		CH 165	5825		10.00	7.80	No
	Ant2	CH 36	5180		11.50	9.89	No
		CH 40	5200		14.00	12.70	No
		CH 44	5220		14.00	12.91	No
		CH 48	5240		14.00	12.92	No
		CH 52	5260		14.00	12.98	No
		CH 56	5280		14.00	12.99	No
		CH 60	5300		14.00	13.03	No
		CH 64	5320		11.50	10.20	No
		CH 100	5500		11.50	10.45	No
		CH 104	5520		14.00	13.34	No
		CH 108	5540		14.00	13.31	No
		CH 112	5560		14.00	13.34	No
		CH 116	5580		14.00	13.27	No
		CH 120	5600		14.00	13.19	No
		CH 124	5620		14.00	13.08	No
		CH 128	5640		14.00	12.91	No
		CH 132	5660		14.00	12.77	No
		CH 136	5680		14.00	12.62	No

		CH 140	5700		11.00	8.93	No
		CH 149	5745		9.00	6.99	No
		CH 153	5765		9.00	7.03	No
		CH 157	5785		9.00	7.04	No
		CH 161	5805		9.00	7.20	No
		CH 165	5825		9.00	7.26	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n SISO 40M (5GHz)	Ant1	CH 38	5190	MCS0	9.50	7.67	No
		CH 46	5230		15.50	14.18	No
		CH 54	5270		15.50	14.13	No
		CH 62	5310		9.50	7.99	No
		CH 102	5510		9.50	8.05	No
		CH 110	5550		15.50	14.29	No
		CH 118	5590		15.50	14.17	No
		CH 126	5630		15.50	14.38	No
		CH 134	5670		9.50	8.58	No
		CH 151	5755		10.50	8.84	No
		CH 159	5795		10.50	8.62	No
	Ant2	CH 38	5190		9.50	7.69	No
		CH 46	5230		14.50	14.19	No
		CH 54	5270		14.50	14.19	No
		CH 62	5310		9.50	8.88	No
		CH 102	5510		9.50	8.65	No
		CH 110	5550		14.50	13.57	No
		CH 118	5590		14.50	13.54	No
		CH 126	5630		14.50	13.29	No
		CH 134	5670		9.50	7.85	No
		CH 151	5755		9.50	7.71	No
		CH 159	5795		9.50	7.76	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 20M (5GHz)	Ant1	CH 36	5180	MCS0	11.50	9.55	No
		CH 40	5200		15.00	13.30	No
		CH 44	5220		15.00	13.46	No
		CH 48	5240		15.00	13.63	No
		CH 52	5260		15.00	13.63	No
		CH 56	5280		15.00	13.54	No
		CH 60	5300		15.00	13.50	No
		CH 64	5320		11.50	9.88	No
		CH 100	5500		11.50	10.00	No
		CH 104	5520		15.00	13.32	No
		CH 108	5540		15.00	13.34	No
		CH 112	5560		15.00	13.32	No
		CH 116	5580		15.00	13.24	No
		CH 120	5600		15.00	13.07	No

		CH 124	5620		15.00	13.23	No
		CH 128	5640		15.00	13.26	No
		CH 132	5660		15.00	13.30	No
		CH 136	5680		15.00	13.30	No
		CH 140	5700		11.00	9.86	No
		CH 149	5745		10.00	8.23	No
		CH 153	5765		10.00	8.26	No
		CH 157	5785		10.00	7.71	No
		CH 161	5805		10.00	8.03	No
		CH 165	5825		10.00	7.81	No
	Ant2	CH 36	5180		11.50	9.76	No
		CH 40	5200		14.00	12.74	No
		CH 44	5220		14.00	12.82	No
		CH 48	5240		14.00	12.88	No
		CH 52	5260		14.00	12.85	No
		CH 56	5280		14.00	12.88	No
		CH 60	5300		14.00	12.92	No
		CH 64	5320		11.50	10.02	No
		CH 100	5500		11.50	10.23	No
		CH 104	5520		14.00	13.40	No
		CH 108	5540		14.00	13.40	No
		CH 112	5560		14.00	13.45	No
		CH 116	5580		14.00	13.48	No
		CH 120	5600		14.00	13.51	No
		CH 124	5620		14.00	13.44	No
		CH 128	5640		14.00	13.39	No
		CH 132	5660		14.00	13.36	No
		CH 136	5680		14.00	13.13	No
		CH 140	5700		11.00	9.07	No
		CH 149	5745		9.00	7.01	No
		CH 153	5765		9.00	7.06	No
		CH 157	5785		9.00	7.10	No
		CH 161	5805		9.00	7.22	No
		CH 165	5825		9.00	7.27	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 40M (5GHz)	Ant1	CH 38	5190	MCS0	9.50	7.75	No
		CH 46	5230		15.50	14.23	No
		CH 54	5270		15.50	14.82	No
		CH 62	5310		9.50	7.51	No
		CH 102	5510		9.50	8.14	No
		CH 110	5550		15.50	14.24	No
		CH 118	5590		15.50	14.03	No
		CH 126	5630		15.50	14.14	No
		CH 134	5670		9.50	8.36	No
		CH 151	5755		10.50	8.61	No

		CH 159	5795		10.50	8.88	No
	Ant2	CH 38	5190		9.50	7.84	No
		CH 46	5230		14.50	13.64	No
		CH 54	5270		14.50	13.52	No
		CH 62	5310		9.50	7.81	No
		CH 102	5510		9.50	8.61	No
		CH 110	5550		14.50	14.07	No
		CH 118	5590		14.50	14.10	No
		CH 126	5630		14.50	14.00	No
		CH 134	5670		9.50	8.22	No
		CH 151	5755		9.50	7.61	No
		CH 159	5795		9.50	7.82	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 80M (5GHz)	Ant1	CH 42	5210	MCS0	9.50	8.01	No
		CH 58	5290		9.50	8.05	No
		CH 106	5530		9.50	8.08	No
		CH 122	5610		9.50	7.85	No
		CH 155	5775		9.00	7.66	No
	Ant2	CH 42	5210		9.50	7.99	No
		CH 58	5290		9.50	7.89	No
		CH 106	5530		9.50	8.47	No
		CH 122	5610		9.50	8.41	No
		CH 155	5775		8.00	5.34	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 160M (5GHz)	Ant1	CH 50	5250	MCS0	9.00	5.05	No
		CH 114	5570		9.00	6.04	No
	Ant2	CH 50	5250		8.00	5.41	No
		CH 114	5570		8.00	6.06	No

Table 141: Conducted power measurement results of WiFi 5G SISO(Full Power)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11a CDD (5GHz)	Ant1	CH 36	5180	6Mbps	11.50	9.61	No
		CH 40	5200		16.00	14.75	No
		CH 44	5220		16.00	14.73	No
		CH 48	5240		16.00	**15.02**	Yes
		CH 52	5260		16.00	15.12	No
		CH 56	5280		16.00	15.13	No
		CH 60	5300		16.00	**15.16**	Yes
		CH 64	5320		11.50	9.67	No
		CH 100	5500		11.50	9.28	No
		CH 104	5520		16.00	**15.19**	Yes
		CH 108	5540		16.00	14.86	No
		CH 112	5560		16.00	14.87	No
		CH 116	5580		16.00	14.90	No
		CH 120	5600		16.00	14.96	No
		CH 124	5620		16.00	15.03	No
		CH 128	5640		16.00	15.11	No
		CH 132	5660		16.00	15.12	No
		CH 136	5680		16.00	15.17	No
		CH 140	5700		11.00	9.78	No
		CH 149	5745		11.00	10.29	No
		CH 153	5765		11.00	10.38	No
		CH 157	5785		11.00	10.34	No
		CH 161	5805		11.00	10.23	No
		CH 165	5825		11.00	**10.39**	Yes
	Ant2	CH 36	5180		11.50	9.94	No
		CH 40	5200		15.00	14.78	No
		CH 44	5220		15.00	14.95	No
		CH 48	5240		15.00	**14.98**	Yes
		CH 52	5260		15.00	14.81	No
		CH 56	5280		15.00	14.91	No
		CH 60	5300		15.00	**14.93**	Yes
		CH 64	5320		11.50	10.74	No
		CH 100	5500		11.50	11.02	No
		CH 104	5520		15.00	**14.95**	Yes
		CH 108	5540		15.00	14.91	No
		CH 112	5560		15.00	14.89	No
		CH 116	5580		15.00	14.94	No
		CH 120	5600		15.00	14.87	No
		CH 124	5620		15.00	14.85	No
		CH 128	5640		15.00	14.88	No
		CH 132	5660		15.00	14.49	No
		CH 136	5680		15.00	14.43	No
		CH 140	5700		11.00	8.97	No
		CH 149	5745		10.00	9.14	No
		CH 153	5765		10.00	9.20	No

		CH 157	5785		10.00	9.27	No
		CH 161	5805		10.00	9.32	No
		CH 165	5825		10.00	**9.35**	Yes
	Sum	CH 36	5180	MCS0	14.50	12.79	No
		CH 40	5200		18.50	17.78	No
		CH 44	5220		18.50	17.85	No
		CH 48	5240		18.50	18.01	No
		CH 52	5260		18.50	17.98	No
		CH 56	5280		18.50	18.03	No
		CH 60	5300		18.50	18.06	No
		CH 64	5320		14.50	13.25	No
		CH 100	5500		14.50	13.25	No
		CH 104	5520		18.50	18.08	No
		CH 108	5540		18.50	17.90	No
		CH 112	5560		18.50	17.89	No
		CH 116	5580		18.50	17.93	No
		CH 120	5600		18.50	17.93	No
		CH 124	5620		18.50	17.95	No
		CH 128	5640		18.50	18.01	No
		CH 132	5660		18.50	17.83	No
		CH 136	5680		18.50	17.83	No
		CH 140	5700		14.00	12.40	No
		CH 149	5745		14.50	12.76	No
		CH 153	5765		13.50	12.84	No
		CH 157	5785		13.50	12.85	No
		CH 161	5805		13.50	12.81	No
		CH 165	5825		13.50	12.91	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n MIMO 20M (5GHz)	Ant1	CH 36	5180	MCS0	11.50	9.75	No
		CH 40	5200		15.00	13.27	No
		CH 44	5220		15.00	13.36	No
		CH 48	5240		15.00	13.04	No
		CH 52	5260		15.00	13.19	No
		CH 56	5280		15.00	13.29	No
		CH 60	5300		15.00	13.34	No
		CH 64	5320		11.50	9.87	No
		CH 100	5500		11.50	9.97	No
		CH 104	5520		15.00	13.27	No
		CH 108	5540		15.00	13.36	No
		CH 112	5560		15.00	13.35	No
		CH 116	5580		15.00	13.35	No
		CH 120	5600		15.00	13.25	No
		CH 124	5620		15.00	13.32	No
		CH 128	5640		15.00	13.41	No
		CH 132	5660		15.00	13.56	No

		CH 136	5680		15.00	13.54	No
		CH 140	5700		11.00	9.99	No
		CH 149	5745		10.00	8.19	No
		CH 153	5765		10.00	7.56	No
		CH 157	5785		10.00	8.18	No
		CH 161	5805		10.00	8.03	No
		CH 165	5825		10.00	7.80	No
	Ant2	CH 36	5180		11.50	9.89	No
		CH 40	5200		14.00	12.70	No
		CH 44	5220		14.00	12.91	No
		CH 48	5240		14.00	12.92	No
		CH 52	5260		14.00	12.98	No
		CH 56	5280		14.00	12.99	No
		CH 60	5300		14.00	13.03	No
		CH 64	5320		11.50	10.20	No
		CH 100	5500		11.50	10.45	No
		CH 104	5520		14.00	13.34	No
		CH 108	5540		14.00	13.31	No
		CH 112	5560		14.00	13.34	No
		CH 116	5580		14.00	13.27	No
		CH 120	5600		14.00	13.19	No
		CH 124	5620		14.00	13.08	No
		CH 128	5640		14.00	12.91	No
		CH 132	5660		14.00	12.77	No
		CH 136	5680		14.00	12.62	No
		CH 140	5700		11.00	8.93	No
		CH 149	5745		9.00	6.99	No
		CH 153	5765		9.00	7.03	No
		CH 157	5785		9.00	7.04	No
		CH 161	5805		9.00	7.20	No
		CH 165	5825		9.00	7.26	No
	Sum	CH 36	5180	MCS0	14.50	12.83	No
		CH 40	5200		17.50	16.00	No
		CH 44	5220		17.50	16.15	No
		CH 48	5240		17.50	15.99	No
		CH 52	5260		17.50	16.10	No
		CH 56	5280		17.50	16.15	No
		CH 60	5300		17.50	16.20	No
		CH 64	5320		14.50	13.05	No
		CH 100	5500		14.50	13.23	No
		CH 104	5520		17.50	16.32	No
		CH 108	5540		17.50	16.35	No
		CH 112	5560		17.50	16.36	No
		CH 116	5580		17.50	16.32	No
		CH 120	5600		17.50	16.23	No
		CH 124	5620		17.50	16.21	No
		CH 128	5640		17.50	16.18	No

		CH 132	5660		17.50	16.19	No
		CH 136	5680		17.50	16.11	No
		CH 140	5700		14.00	12.50	No
		CH 149	5745		12.50	10.64	No
		CH 153	5765		12.50	10.31	No
		CH 157	5785		12.50	10.66	No
		CH 161	5805		12.50	10.65	No
		CH 165	5825		12.50	10.55	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11n MIMO 40M (5GHz)	Ant1	CH 38	5190	MCS0	9.50	7.67	No
		CH 46	5230		15.50	14.18	No
		CH 54	5270		15.50	**14.13**	No
		CH 62	5310		9.50	7.99	No
		CH 102	5510		9.50	8.05	No
		CH 110	5550		15.50	**14.29**	No
		CH 118	5590		15.50	14.17	No
		CH 126	5630		15.50	14.38	No
		CH 134	5670		9.50	8.58	No
		CH 151	5755		10.50	8.84	No
		CH 159	5795		10.50	8.62	No
	Ant2	CH 38	5190		9.50	7.69	No
		CH 46	5230		14.50	14.19	No
		CH 54	5270		14.50	14.19	No
		CH 62	5310		9.50	8.88	No
		CH 102	5510		9.50	8.65	No
		CH 110	5550		14.50	13.57	No
		CH 118	5590		14.50	13.54	No
		CH 126	5630		14.50	13.29	No
		CH 134	5670		9.50	7.85	No
		CH 151	5755		9.50	7.71	No
		CH 159	5795		9.50	7.76	No
	Sum	CH 38	5190	MCS0	12.50	10.69	No
		CH 46	5230		18.00	**17.20**	No
		CH 54	5270		18.00	**17.17**	No
		CH 62	5310		12.50	11.47	No
		CH 102	5510		12.50	11.37	No
		CH 110	5550		18.00	16.96	No
		CH 118	5590		18.00	16.88	No
		CH 126	5630		18.00	**16.88**	No
		CH 134	5670		12.50	11.24	No
		CH 151	5755		13.00	11.32	No
		CH 159	5795		13.00	11.22	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac	Ant1	CH 36	5180	MCS0	11.50	9.55	No

MIMO 20M (5GHz)		CH 40	5200		15.00	13.30	No
		CH 44	5220		15.00	13.46	No
		CH 48	5240		15.00	13.63	No
		CH 52	5260		15.00	13.63	No
		CH 56	5280		15.00	13.54	No
		CH 60	5300		15.00	13.50	No
		CH 64	5320		11.50	9.88	No
		CH 100	5500		11.50	10.00	No
		CH 104	5520		15.00	13.32	No
		CH 108	5540		15.00	13.34	No
		CH 112	5560		15.00	13.32	No
		CH 116	5580		15.00	13.24	No
		CH 120	5600		15.00	13.07	No
		CH 124	5620		15.00	13.23	No
		CH 128	5640		15.00	13.26	No
		CH 132	5660		15.00	13.30	No
		CH 136	5680		15.00	13.30	No
		CH 140	5700		11.00	9.86	No
		CH 149	5745		10.00	8.23	No
		CH 153	5765		10.00	8.26	No
		CH 157	5785		10.00	7.71	No
		CH 161	5805		10.00	8.03	No
		CH 165	5825		10.00	7.81	No
	Ant2	CH 36	5180		11.50	9.76	No
		CH 40	5200		14.00	12.74	No
		CH 44	5220		14.00	12.82	No
		CH 48	5240		14.00	12.88	No
		CH 52	5260		14.00	12.85	No
		CH 56	5280		14.00	12.88	No
		CH 60	5300		14.00	12.92	No
		CH 64	5320		11.50	10.02	No
		CH 100	5500		11.50	10.23	No
		CH 104	5520		14.00	13.40	No
		CH 108	5540		14.00	13.40	No
		CH 112	5560		14.00	13.45	No
		CH 116	5580		14.00	13.48	No
		CH 120	5600		14.00	13.51	No
		CH 124	5620		14.00	13.44	No
		CH 128	5640		14.00	13.39	No
		CH 132	5660		14.00	13.36	No
		CH 136	5680		14.00	13.13	No
		CH 140	5700		11.00	9.07	No
		CH 149	5745		9.00	7.01	No
		CH 153	5765		9.00	7.06	No
		CH 157	5785		9.00	7.10	No
		CH 161	5805		9.00	7.22	No

		CH 165	5825		9.00	7.27	No
	Sum	CH 36	5180	MCS0	14.50	12.67	No
		CH 40	5200		17.50	16.04	No
		CH 44	5220		17.50	16.16	No
		CH 48	5240		17.50	16.28	No
		CH 52	5260		17.50	16.27	No
		CH 56	5280		17.50	16.23	No
		CH 60	5300		17.50	16.23	No
		CH 64	5320		14.50	12.96	No
		CH 100	5500		14.50	13.13	No
		CH 104	5520		17.50	16.37	No
		CH 108	5540		17.50	16.38	No
		CH 112	5560		17.50	16.40	No
		CH 116	5580		17.50	16.37	No
		CH 120	5600		17.50	16.31	No
		CH 124	5620		17.50	16.35	No
		CH 128	5640		17.50	16.34	No
		CH 132	5660		17.50	16.34	No
		CH 136	5680		17.50	16.23	No
		CH 140	5700		14.00	12.49	No
		CH 149	5745		12.50	10.67	No
		CH 153	5765		12.50	10.71	No
		CH 157	5785		12.50	10.43	No
		CH 161	5805		12.50	10.65	No
		CH 165	5825		12.50	10.56	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac MIMO 40M (5GHz)	Ant1	CH 38	5190	MCS0	9.50	7.75	No
		CH 46	5230		15.50	14.23	No
		CH 54	5270		15.50	14.82	No
		CH 62	5310		9.50	7.51	No
		CH 102	5510		9.50	8.14	No
		CH 110	5550		15.50	14.24	No
		CH 118	5590		15.50	14.03	No
		CH 126	5630		15.50	14.14	No
		CH 134	5670		9.50	8.36	No
		CH 151	5755		10.50	8.61	No
		CH 159	5795		10.50	8.88	No
	Ant2	CH 38	5190		9.50	7.84	No
		CH 46	5230		14.50	13.64	No
		CH 54	5270		14.50	13.52	No
		CH 62	5310		9.50	7.81	No
		CH 102	5510		9.50	8.61	No
		CH 110	5550		14.50	14.07	No
		CH 118	5590		14.50	14.10	No
		CH 126	5630		14.50	14.00	No

		CH 134	5670		9.50	8.22	No
		CH 151	5755		9.50	7.61	No
		CH 159	5795		9.50	7.82	No
	Sum	CH 38	5190	MCS0	12.50	10.81	No
		CH 46	5230		18.00	16.96	No
		CH 54	5270		18.00	17.23	No
		CH 62	5310		12.50	10.67	No
		CH 102	5510		12.50	11.39	No
		CH 110	5550		18.00	17.17	No
		CH 118	5590		18.00	17.08	No
		CH 126	5630		18.00	17.08	No
		CH 134	5670		12.50	11.30	No
		CH 151	5755		13.00	11.15	No
		CH 159	5795		13.00	11.39	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac MIMO 80M (5GHz)	Ant1	CH 42	5210	MCS0	9.50	8.01	No
		CH 58	5290		9.50	8.05	No
		CH 106	5530		9.50	8.08	No
		CH 122	5610		9.50	7.85	No
		CH 155	5775		9.00	7.66	No
	Ant2	CH 42	5210		9.50	7.99	No
		CH 58	5290		9.50	7.89	No
		CH 106	5530		9.50	8.47	No
		CH 122	5610		9.50	8.41	No
		CH 155	5775		8.00	5.34	No
	Sum	CH 42	5210	MCS0	12.50	11.01	No
		CH 58	5290		12.50	10.98	No
		CH 106	5530		12.50	11.29	No
		CH 122	5610		12.50	11.15	No
		CH 155	5775		11.50	9.66	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11ac MIMO 160M (5GHz)	Ant1	CH 50	5250	MCS0	9.00	5.05	No
		CH 114	5570		9.00	6.04	No
	Ant2	CH 50	5250		8.00	5.41	No
		CH 114	5570		8.00	6.06	No
	Sum	CH 50	5250	MCS0	11.50	8.24	No
		CH 114	5570		11.50	9.06	No

Table 142: Conducted power measurement results of WiFi 5G CDD/MIMO(Full Power)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11a SISO	Ant1	CH 36	5180	6.5Mbps	11.50	9.92
		CH 40	5200		14.50	**13.77**
		CH 52	5260		14.50	**13.45**
		CH 60	5300		14.50	**13.27**
		CH 64	5320		11.50	10.36
		CH 100	5500		11.50	9.75
		CH 104	5520		14.50	**13.19**
		CH 120	5600		14.50	**13.48**
		CH 124	5620		14.50	**13.47**
		CH 128	5640		14.50	**13.42**
		CH 132	5660		14.50	**13.41**
		CH 136	5680		14.50	**13.68**
		CH 140	5700		11.00	10.22
		CH 149	5745		11.00	**9.68**
		CH 157	5785		11.00	**9.91**
		CH 165	5825		11.00	**10.05**
	Ant2	CH 36	5180		11.50	10.06
		CH 40	5200		14.50	**13.40**
		CH 52	5260		14.50	**13.41**
		CH 60	5300		14.50	**13.47**
		CH 64	5320		11.50	9.83
		CH 100	5500		11.50	10.08
		CH 104	5520		14.50	**13.79**
		CH 120	5600		14.50	**13.74**
		CH 124	5620		14.50	**13.65**
		CH 128	5640		14.50	**13.62**
		CH 132	5660		14.50	**13.51**
		CH 136	5680		14.50	**13.58**
		CH 140	5700		11.00	9.53
		CH 149	5745		10.00	**8.94**
		CH 157	5785		10.00	**9.18**
		CH 165	5825		10.00	**9.26**

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n SISO 20M	Ant1	CH 36	5180	MCS0	11.50	9.90
		CH 40	5200		14.50	13.07
		CH 52	5260		14.50	13.12
		CH 60	5300		14.50	13.15
		CH 64	5320		11.50	9.94
		CH 100	5500		11.50	9.81

		CH 104	5520		14.50	13.20
		CH 120	5600		14.50	13.40
		CH 124	5620		14.50	13.44
		CH 128	5640		14.50	13.41
		CH 132	5660		14.50	13.41
		CH 136	5680		14.50	13.15
		CH 140	5700		11.00	9.94
		CH 149	5745		10.00	8.41
		CH 157	5785		10.00	8.56
		CH 165	5825		10.00	8.75
	Ant2	CH 36	5180		11.50	10.13
		CH 40	5200		14.00	12.53
		CH 52	5260		14.00	12.73
		CH 60	5300		14.00	12.85
		CH 64	5320		11.50	9.91
		CH 100	5500		11.50	9.85
		CH 104	5520		14.00	12.82
		CH 120	5600		14.00	13.01
		CH 124	5620		14.00	13.45
		CH 128	5640		14.00	13.43
		CH 132	5660		14.00	13.41
		CH 136	5680		14.00	13.10
		CH 140	5700		11.00	9.27
		CH 149	5745		9.00	7.34
		CH 157	5785		9.00	7.78
		CH 165	5825		9.00	7.82

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n SISO 40M	Ant1	CH 38	5190	MCS0	9.50	6.62
		CH 46	5230		15.50	12.52
		CH 54	5270		15.50	12.52
		CH 62	5310		9.50	7.85
		CH 102	5510		9.50	7.49
		CH 110	5550		15.50	13.41
		CH 118	5590		15.50	13.64
		CH 126	5630		15.50	13.34
		CH 134	5670		9.50	7.46
		CH 151	5755		10.50	8.49
		CH 159	5795		10.50	9.74
	Ant2	CH 38	5190		9.50	6.52
		CH 46	5230		14.50	12.91
		CH 54	5270		14.50	12.99

		CH 62	5310		9.50	7.02
		CH 102	5510		9.50	7.69
		CH 110	5550		14.50	12.28
		CH 118	5590		14.50	11.52
		CH 126	5630		14.50	11.52
		CH 134	5670		9.50	6.84
		CH 151	5755		9.50	7.85
		CH 159	5795		9.50	7.05
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac SISO 20M	Ant1	CH 36	5180	MCS0	11.50	9.20
		CH 40	5200		14.50	13.02
		CH 52	5260		14.50	12.97
		CH 60	5300		14.50	13.04
		CH 64	5320		11.50	9.82
		CH 100	5500		11.50	9.36
		CH 104	5520		14.50	13.42
		CH 120	5600		14.50	13.00
		CH 124	5620		14.50	13.20
		CH 128	5640		14.50	13.11
		CH 132	5660		14.50	13.02
		CH 136	5680		14.50	12.85
		CH 140	5700		11.00	9.25
		CH 149	5745		10.00	8.15
		CH 157	5785		10.00	8.28
		CH 165	5825		10.00	8.58
	Ant2	CH 36	5180		11.50	9.58
		CH 40	5200		14.00	12.67
		CH 52	5260		14.00	12.57
		CH 60	5300		14.00	12.67
		CH 64	5320		11.50	9.86
		CH 100	5500		11.50	9.80
		CH 104	5520		14.00	12.96
		CH 120	5600		14.00	12.72
		CH 124	5620		14.00	12.57
		CH 128	5640		14.00	12.62
		CH 132	5660		14.00	12.71
		CH 136	5680		14.00	12.86
		CH 140	5700		11.00	9.54
		CH 149	5745		9.00	7.36
		CH 157	5785		9.00	7.65
		CH 165	5825		9.00	7.56
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac SISO 40M	Ant1	CH 38	5190	MCS0	9.50	6.76
		CH 46	5230		14.50	11.56
		CH 54	5270		14.50	11.52

		CH 62	5310		9.50	7.35
		CH 102	5510		9.50	7.64
		CH 110	5550		14.50	13.40
		CH 118	5590		14.50	13.61
		CH 126	5630		14.50	13.36
		CH 134	5670		9.50	7.48
		CH 151	5755		10.50	8.57
		CH 159	5795		10.50	9.83
	Ant2	CH 38	5190		9.50	6.52
		CH 46	5230		14.50	12.74
		CH 54	5270		14.50	12.95
		CH 62	5310		9.50	6.89
		CH 102	5510		9.50	8.06
		CH 110	5550		14.50	12.09
		CH 118	5590		14.50	11.52
		CH 126	5630		14.50	11.69
		CH 134	5670		9.50	7.16
		CH 151	5755		9.50	7.89
		CH 159	5795		9.50	6.97
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac SISO 80M	Ant1	CH 42	5210	MCS0	9.50	6.66
		CH 58	5290		9.50	6.95
		CH 106	5530		9.50	8.06
		CH 122	5610		9.50	8.57
		CH 155	5775		9.00	7.46
	Ant2	CH 42	5210		9.50	6.53
		CH 58	5290		9.50	6.79
		CH 106	5530		9.50	7.09
		CH 122	5610		9.50	6.71
		CH 155	5775		8.00	5.45
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac SISO 160M	Ant1	CH 50	5250	MCS0	9.00	7.22
		CH 114	5570		9.00	7.31
	Ant2	CH 50	5250		8.00	6.75
		CH 114	5570		8.00	6.68

Table 143: Conducted power measurement results of WiFi 5G SISO (MCC of CE countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11a CDD	Ant1	CH 36	5180	6.5Mbps	11.50	9.92
		CH 40	5200		14.50	**13.77**
		CH 52	5260		14.50	**13.45**
		CH 60	5300		14.50	**13.27**
		CH 64	5320		11.50	10.36
		CH 100	5500		11.50	9.75
		CH 104	5520		14.50	**13.19**
		CH 120	5600		14.50	**13.48**
		CH 124	5620		14.50	**13.47**
		CH 128	5640		14.50	**13.45**
		CH 132	5660		14.50	**13.42**
		CH 136	5680		14.50	**13.68**
		CH 140	5700		11.00	10.22
		CH 149	5745		11.00	**9.68**
		CH 157	5785		11.00	**9.91**
		CH 165	5825		11.00	**10.05**
	Ant2	CH 36	5180		11.50	10.06
		CH 40	5200		14.50	**13.40**
		CH 52	5260		14.50	**13.41**
		CH 60	5300		14.50	**13.47**
		CH 64	5320		11.50	9.83
		CH 100	5500		11.50	10.08
		CH 104	5520		14.50	**13.79**
		CH 120	5600		14.50	**13.74**
		CH 124	5620		14.50	**13.67**
		CH 128	5640		14.50	**13.52**
		CH 132	5660		14.50	**13.41**
		CH 136	5680		14.50	**13.58**
		CH 140	5700		11.00	9.53
		CH 149	5745		10.00	**8.94**
		CH 157	5785		10.00	**9.18**
		CH 165	5825		10.00	**9.26**
	Sum	CH 36	5180		14.50	12.01
		CH 40	5200		17.50	16.84
		CH 52	5260		17.50	16.71
		CH 60	5300		17.50	16.83
		CH 64	5320		14.50	12.47
		CH 100	5500		14.50	12.87
		CH 104	5520		17.50	16.72

		CH 120	5600		17.50	16.93
		CH 124	5620		17.50	16.58
		CH 128	5640		17.50	16.50
		CH 132	5660		17.50	16.43
		CH 136	5680		17.50	16.53
		CH 140	5700		14.00	12.07
		CH 149	5745		13.50	12.02
		CH 157	5785		13.50	12.19
		CH 165	5825		13.50	12.33
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n MIMO 20M	Ant1	CH 36	5180	MCS0	11.50	9.25
		CH 40	5200		14.50	12.96
		CH 52	5260		14.50	13.11
		CH 60	5300		14.50	12.84
		CH 64	5320		11.50	9.34
		CH 100	5500		11.50	9.28
		CH 104	5520		14.50	12.80
		CH 120	5600		14.50	12.73
		CH 124	5620		14.50	12.76
		CH 128	5640		14.50	12.58
		CH 132	5660		14.50	12.87
		CH 136	5680		14.50	12.60
		CH 140	5700		11.00	9.30
		CH 149	5745		10.00	8.67
		CH 157	5785		10.00	8.73
		CH 165	5825		10.00	8.84
	Ant2	CH 36	5180		11.50	9.36
		CH 40	5200		14.00	12.88
		CH 52	5260		14.00	12.99
		CH 60	5300		14.00	13.06
		CH 64	5320		11.50	9.23
		CH 100	5500		11.50	9.67
		CH 104	5520		14.00	13.25
		CH 120	5600		14.00	13.29
		CH 124	5620		14.00	13.32
		CH 128	5640		14.00	13.35
		CH 132	5660		14.00	13.27
		CH 136	5680		14.00	12.64
		CH 140	5700		11.00	9.31
		CH 149	5745		9.00	7.66
		CH 157	5785		9.00	7.80

		CH 165	5825		9.00	7.92
	Sum	CH 36	5180		14.50	12.32
		CH 40	5200		17.30	15.93
		CH 52	5260		17.30	16.06
		CH 60	5300		17.30	15.96
		CH 64	5320		14.50	12.30
		CH 100	5500		14.50	12.49
		CH 104	5520		17.30	16.04
		CH 120	5600		17.30	16.03
		CH 124	5620		17.30	16.06
		CH 128	5640		17.30	15.99
		CH 132	5660		17.30	16.08
		CH 136	5680		17.30	15.63
		CH 140	5700		14.00	12.32
		CH 149	5745		12.50	11.20
		CH 157	5785		12.50	11.30
		CH 165	5825		12.50	11.41
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n MIMO 40M	Ant1	CH 38	5190	MCS0	9.50	6.62
		CH 46	5230		15.50	12.52
		CH 54	5270		15.50	12.52
		CH 62	5310		9.50	7.85
		CH 102	5510		9.50	7.49
		CH 110	5550		15.50	13.41
		CH 118	5590		15.50	13.64
		CH 126	5630		15.50	13.34
		CH 134	5670		9.50	7.46
		CH 151	5755		10.50	8.49
		CH 159	5795		10.50	9.74
	Ant2	CH 38	5190		9.50	6.52
		CH 46	5230		14.50	12.91
		CH 54	5270		14.50	12.99
		CH 62	5310		9.50	7.02
		CH 102	5510		9.50	7.69
		CH 110	5550		14.50	12.28
		CH 118	5590		14.50	11.52
		CH 126	5630		14.50	11.52
		CH 134	5670		9.50	6.84
		CH 151	5755		9.50	7.85
		CH 159	5795		9.50	7.05
	Sum	CH 38	5190		12.50	9.58
		CH 46	5230		17.50	15.73
		CH 54	5270		17.50	15.77
		CH 62	5310		12.50	10.47

		CH 102	5510		12.50	10.60
		CH 110	5550		17.50	15.89
		CH 118	5590		17.50	15.72
		CH 126	5630		17.50	15.53
		CH 134	5670		12.50	10.17
		CH 151	5755		13.00	11.19
		CH 159	5795		13.00	11.61
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac MIMO 20M	Ant1	CH 36	5180	MCS0	11.50	9.20
		CH 40	5200		14.50	13.02
		CH 52	5260		14.50	12.97
		CH 60	5300		14.50	13.04
		CH 64	5320		11.50	9.82
		CH 100	5500		11.50	9.36
		CH 104	5520		14.50	13.42
		CH 120	5600		14.50	13.00
		CH 124	5620		14.50	13.21
		CH 128	5640		14.50	12.87
		CH 132	5660		14.50	12.87
		CH 136	5680		14.50	12.85
		CH 140	5700		11.00	9.25
		CH 149	5745		10.00	8.15
		CH 157	5785		10.00	8.28
		CH 165	5825		10.00	8.58
	Ant2	CH 36	5180		11.50	9.58
		CH 40	5200		14.00	12.67
		CH 52	5260		14.00	12.57
		CH 60	5300		14.00	12.67
		CH 64	5320		11.50	9.86
		CH 100	5500		11.50	9.80
		CH 104	5520		14.00	12.96
		CH 120	5600		14.00	12.72
		CH 124	5620		14.00	12.78
		CH 128	5640		14.00	12.84
		CH 132	5660		14.00	12.98
		CH 136	5680		14.00	12.86
		CH 140	5700		11.00	9.54
		CH 149	5745		9.00	7.36
		CH 157	5785		9.00	7.65
		CH 165	5825		9.00	7.56
	Sum	CH 36	5180		14.50	12.40
		CH 40	5200		17.50	15.86
		CH 52	5260		17.50	15.78
		CH 60	5300		17.50	15.87
		CH 64	5320		14.50	12.85
		CH 100	5500		14.50	12.60
		CH 104	5520		17.50	16.21
		CH 120	5600		17.50	15.87

		CH 124	5620		17.50	16.01
		CH 128	5640		17.50	15.87
		CH 132	5660		17.50	15.94
		CH 136	5680		17.50	15.87
		CH 140	5700		14.00	12.41
		CH 149	5745		12.50	10.78
		CH 157	5785		12.50	10.99
		CH 165	5825		12.50	11.11
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac MIMO 40M	Ant1	CH 38	5190	MCS0	9.50	6.76
		CH 46	5230		14.50	11.56
		CH 54	5270		14.50	11.52
		CH 62	5310		9.50	7.35
		CH 102	5510		9.50	7.64
		CH 110	5550		14.50	13.40
		CH 118	5590		14.50	13.61
		CH 126	5530		14.50	13.36
		CH 134	5670		9.50	7.48
		CH 151	5755		10.50	8.57
		CH 159	5795		10.50	9.83
	Ant2	CH 38	5190		9.50	6.52
		CH 46	5230		14.50	12.74
		CH 54	5270		14.50	12.95
		CH 62	5310		9.50	6.89
		CH 102	5510		9.50	8.06
		CH 110	5550		14.50	12.09
		CH 118	5590		14.50	11.52
		CH 126	5530		14.50	11.69
		CH 134	5670		9.50	7.16
		CH 151	5755		9.50	7.89
		CH 159	5795		9.50	6.97
	Sum	CH 38	5190		12.51	9.65
		CH 46	5230		17.51	15.20
		CH 54	5270		17.51	15.30
		CH 62	5310		12.51	10.14
		CH 102	5510		12.51	10.87
		CH 110	5550		17.51	15.80
		CH 118	5590		17.51	15.70
		CH 126	5530		17.51	15.62
		CH 134	5670		12.51	10.33
		CH 151	5755		13.04	11.25
		CH 159	5795		13.04	11.64
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac MIMO 80M	Ant1	CH 42	5210	MCS0	9.50	6.94
		CH 58	5290		9.50	7.61
		CH 106	5530		9.50	8.52

		CH 122	5610		9.50	9.04
		CH 155	5775		8.00	7.95
	Ant2	CH 42	5210		9.50	8.05
		CH 58	5290		9.50	8.43
		CH 106	5530		9.50	8.74
		CH 122	5610		9.50	7.65
		CH 155	5775		7.00	6.55
	Sum	CH 42	5210		12.51	10.54
		CH 58	5290		12.51	11.05
		CH 106	5530		12.51	11.64
		CH 122	5610		12.51	11.41
		CH 155	5775		11.54	10.32
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac MIMO 160M	Ant1	CH 50	5250	MCS0	9.00	7.22
		CH 114	5570		9.00	7.31
	Ant2	CH 50	5250		8.00	6.75
		CH 114	5570		8.00	6.68
	Sum	CH 50	5250		11.54	10.00
		CH 114	5570		11.54	10.02

Table 144: Conducted power measurement results of WiFi 5G CDD/MIMO (MCC of CE countries,Receiver ON)

Note:

1) The Average conducted power of WiFi is measured with RMS detector.

2) As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.

7.1.36 Conducted power measurements of BT

The output power of BT antenna is as the following:

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	5CH	10CH
DH5	9.00	7.27	7.45	7.86
2DH5	8.00	4.84	5.11	5.30
3DH5	8.00	4.89	5.02	5.13
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	11CH	41CH	70CH
DH5	10.00	**8.02**	8.40	**8.78**
2DH5	9.00	5.10	5.36	5.14
3DH5	9.00	5.22	5.37	5.08
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	71CH	75CH	78CH
DH5	10.00	8.77	8.61	**8.30**
2DH5	8.00	5.25	5.16	4.66
3DH5	8.00	5.42	5.27	4.62

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	3CH	5CH
BLE	7.50	4.50	4.56	4.49
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	6CH	19CH	31CH
BLE	8.50	4.69	5.81	5.75
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	32CH	33CH	34CH
BLE	8.00	5.81	5.71	5.58
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	35CH	37CH	39CH
BLE	7.50	5.29	5.11	4.66

Table 145: Conducted power measurement results of BT.

Note:

1) The conducted power of BT is measured with RMS detector.
2) The bolded mode was selected for SAR testing.
3) As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.

Figure: Bluetooth Transmission Plot

So the actural bluetooth duty cycle is calculated as below:

$$\text{Dutycycle} = \text{pulse}\frac{width}{period} * 100\% = \frac{2.87274ms}{3.74946ms} * 100\% = 76.6\%$$

7.2 SAR measurement Results

General Notes:

1) Per KDB447498 D01, all SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.

● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.

● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used.

3) Per KDB865664 D01,for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg; if the deviation among the repeated measurement is ≤20%, and the measured SAR <1.45W/kg, only one repeated measurement is required.

4) Per KDB941225 D06, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.

5) Per KDB648474 D04, SAR is evaluated without a headset connected to the device. When the standalone reported body-worn SAR is ≤1.2 W/kg, no additional SAR evaluations using a headset are required.

6) Per KDB865664 D02, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is > 1.5 W/kg, or > 7.0 W/kg for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing (Refer to appendix B for details).

7) All SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.

8) Per KDB648474 D04, Body-worn accessories that do not contain metallic or conductive components is tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.

9) Per KDB648474 D04, Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation.

GSM Notes:

1) Per KDB941225 D01, SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

2) Per KDB648474 D04, the device does not support DTM function. Body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.

UMTS Notes:

1) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

LTE Notes:

1) The LTE test configurations are determined according to KDB941225 D05 SAR for LTE Devices.The general test procedures used for SAR testing can be found in Section 6.5.

2) A-MPR was disabled for all SAR test by setting NS_01 on the base station simulator.SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames(maximum TTI)

3) According to KDB 941225 D05 SAR for LTE Devices, for Time-Division Duplex (TDD) systems, SAR is tested using a fixed periodic duty factor according to the highest transmission duty factor (63.33%) implemented for the device and supported by the defined 3GPP LTE TDD configurations.

WiFi Notes:

Per KDB248227D01:

1) When reported SAR for the initial test position is ≤ 0.4W/kg, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR position until the reported SAR result is ≤ 0.8W/kg or all test position are measured. For all positions/configurations tested using the initial test position and subsequent test positions, when the *reported* SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the *reported* SAR is ≤ 1.2 W/kg or all required channels are tested..

2) When the DSSS *reported* SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.

3) When the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations

4) The highest SAR measured for the initial test position or initial test configuration should be used to determine SAR test exclusion according to the sum of 1-g SAR and SAR peak to location ratio provisions in KDB 447498. In addition, a test lab may also choose to perform standalone SAR measurements for test positions and 802.11 configurations that are not required by the initial test position or initial test configuration procedures and apply the results to determine simultaneous transmission SAR test exclusion, according to sum of 1-g and SAR peak to location ratio requirements to reduce the number of simultaneous transmission SAR measurements.

7.2.1 SAR measurement Result of GSM850

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Left cheek	190/836.6	GSM	0.311	0.167	-0.04	27.54	28.80	0.416	Battery 1#	/
Left tilt	190/836.6	GSM	0.232	0.145	0.05	27.54	28.80	0.310	Battery 1#	/
Right cheek	190/836.6	GSM	0.301	0.177	-0.05	27.54	28.80	0.402	Battery 1#	/
Right tilt	190/836.6	GSM	0.239	0.142	-0.01	27.54	28.80	0.319	Battery 1#	/
Left cheek	190/836.6	GSM	**0.316**	0.172	-0.10	27.54	28.80	**0.422**	Battery 2#	/
Left cheek	190/836.6	GSM	0.300	0.160	-0.04	27.54	28.80	0.401	With SIM2	/
Left cheek	128/824.2	GSM	0.282	0.186	-0.06	27.42	28.80	0.387	Battery 2#	/
Left cheek	251/848.8	GSM	0.306	0.164	-0.01	27.57	28.80	0.406	Battery 2#	/
Main Antenna										
Left cheek	190/836.6	GSM	0.108	0.075	-0.01	33.17	33.80	0.125	Battery 1#	/
Left tilt	190/836.6	GSM	0.052	0.037	-0.13	33.17	33.80	0.060	Battery 1#	/
Right cheek	190/836.6	GSM	0.162	0.127	-0.07	33.17	33.80	0.187	Battery 1#	/
Right tilt	190/836.6	GSM	0.065	0.045	-0.15	33.17	33.80	0.075	Battery 1#	/
Right cheek	190/836.6	GSM	0.174	0.137	-0.17	33.17	33.80	0.201	Battery 2#	/
Right cheek	190/836.6	GSM	0.158	0.124	-0.17	33.17	33.80	0.183	With SIM2	/
Right cheek	128/824.2	GSM	0.132	0.091	-0.08	32.97	33.80	0.160	Battery 2#	/
Right cheek	251/848.8	GSM	0.197	0.155	-0.11	33.23	33.80	0.225	Battery 2#	/
LYA-L0C Test at the worst case (Second Antenna)										
Left cheek	190/836.6	GSM	0.264	0.143	-0.19	27.54	28.80	0.353	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Right cheek	251/848.8	GSM	**0.235**	0.184	0.14	33.23	33.80	**0.268**	Battery 2#	Yes

Table 146: Head SAR test results of GSM850

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	190/836.6	GSM	0.037	0.025	-0.10	27.54	28.80	0.049	Battery 1#	/
Back Side	15mm	190/836.6	GSM	**0.045**	0.032	-0.14	27.54	28.80	**0.060**	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.038	0.028	-0.10	27.54	28.80	0.051	Battery 2#	/
Back Side	15mm	190/836.6	GSM	0.038	0.028	-0.19	27.54	28.80	0.051	With SIM2	/
Main Antenna											
Front Side	15mm	190/836.6	GSM	0.162	0.111	-0.16	33.17	33.80	0.187	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.209	0.155	-0.15	33.17	33.80	**0.242**	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.207	0.153	-0.07	33.17	33.80	0.239	Battery 2#	/
Back Side	15mm	190/836.6	GSM	0.208	0.154	-0.17	33.17	33.80	0.240	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Back Side	15mm	190/836.6	GSM	0.039	0.029	-0.19	27.54	28.80	0.052	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	190/836.6	GSM	0.190	0.141	-0.15	33.17	33.80	0.220	Battery 1#	Yes

Table 147: Body-Worn SAR test results of GSM850

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.087	0.051	-0.18	25.45	26.80	0.119	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.083	0.048	-0.11	25.45	26.80	0.113	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.066	0.044	-0.18	25.45	26.80	0.089	Battery 1#	/
Right Side	10mm	190/836.6	GPRS 2TS	0.014	0.009	-0.19	25.45	26.80	0.019	Battery 1#	/
Top Side	10mm	190/836.6	GPRS 2TS	0.055	0.028	0.11	25.45	26.80	0.075	Battery 1#	/
Front Side	10mm	190/836.6	GPRS 2TS	0.084	0.048	-0.17	25.45	26.80	0.115	Battery 2#	/
Front Side	10mm	190/836.6	GPRS 2TS	0.075	0.046	-0.17	25.45	26.80	0.103	With SIM2	/
Main Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.305	0.204	-0.18	30.70	31.80	0.393	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.389	0.236	-0.17	30.70	31.80	0.501	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.118	0.079	-0.16	30.70	31.80	0.152	Battery 1#	/
Right Side	10mm	190/836.6	GPRS 2TS	0.281	0.189	-0.14	30.70	31.80	0.362	Battery 1#	/
Bottom Side	10mm	190/836.6	GPRS 2TS	0.154	0.093	-0.05	30.70	31.80	0.198	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.403	0.245	0.06	30.70	31.80	0.519	Battery 2#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.389	0.234	-0.10	30.70	31.80	0.501	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Front Side	10mm	190/836.6	GPRS 2TS	0.082	0.048	-0.14	25.45	26.80	0.112	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	10mm	190/836.6	GPRS 2TS	0.303	0.185	-0.05	30.70	31.80	0.390	Battery 2#	Yes

Table 148: Hotspot SAR test results of GSM850

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.2 SAR measurement Result of GSM1900

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Left cheek	661/1880	GSM	0.147	0.070	-0.17	24.26	25.50	0.196	Battery 1#	/
Left tilt	661/1880	GSM	0.154	0.073	0.19	24.26	25.50	0.205	Battery 1#	/
Right cheek	661/1880	GSM	0.213	0.096	-0.12	24.26	25.50	0.283	Battery 1#	/
Right tilt	661/1880	GSM	0.261	0.114	0.06	24.26	25.50	0.347	Battery 1#	/
Right tilt	661/1880	GSM	**0.265**	0.117	-0.07	24.26	25.50	**0.353**	Battery 2#	/
Right tilt	661/1880	GSM	0.183	0.084	0.00	24.26	25.50	0.243	With SIM2	/
Right tilt	512/1850.2	GSM	0.205	0.094	-0.19	24.41	25.50	0.263	Battery 2#	/
Right tilt	810/1909.8	GSM	0.223	0.104	0.11	24.19	25.50	0.302	Battery 2#	/
Main Antenna										
Left cheek	661/1880	GSM	0.066	0.042	0.16	29.51	30.50	0.083	Battery 1#	/
Left tilt	661/1880	GSM	0.020	0.011	0.14	29.51	30.50	0.025	Battery 1#	/
Right cheek	661/1880	GSM	0.040	0.026	0.12	29.51	30.50	0.050	Battery 1#	/
Right tilt	661/1880	GSM	0.029	0.018	0.11	29.51	30.50	0.037	Battery 1#	/
Left cheek	661/1880	GSM	**0.069**	0.044	0.17	29.51	30.50	**0.087**	Battery 2#	/
Left cheek	661/1880	GSM	0.064	0.040	0.13	29.51	30.50	0.080	With SIM2	/
Left cheek	512/1850.2	GSM	0.060	0.038	0.14	29.43	30.50	0.077	Battery 2#	/
Left cheek	810/1909.8	GSM	0.065	0.040	0.14	29.56	30.50	0.080	Battery 2#	/
LYA-L0C Test at the worst case (Second Antenna)										
Right tilt	661/1880	GSM	0.165	0.070	-0.17	24.26	25.50	0.220	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Left cheek	661/1880	GSM	0.055	0.035	-0.14	29.51	30.50	0.069	Battery 2#	Yes

Table 149: Head SAR test results of GSM1900

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	661/1880	GSM	0.026	0.014	-0.11	25.30	26.50	0.035	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.030	0.017	-0.17	25.30	26.50	0.040	Battery 1#	/
Back Side	15mm	661/1880	GSM	**0.031**	0.017	0.19	25.30	26.50	**0.041**	Battery 2#	/
Back Side	15mm	661/1880	GSM	0.028	0.015	0.07	25.30	26.50	0.036	With SIM2	/
Main Antenna											
Front Side	15mm	661/1880	GSM	0.240	0.135	0.02	29.51	30.50	0.301	Battery 1#	/
Back Side	15mm	661/1880	GSM	**0.293**	0.165	0.00	29.51	30.50	**0.368**	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.190	0.107	-0.08	29.51	30.50	0.239	Battery 2#	/
Back Side	15mm	661/1880	GSM	0.205	0.088	0.11	29.51	30.50	0.257	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Back Side	15mm	661/1880	GSM	0.015	0.007	-0.18	25.30	26.50	0.020	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	661/1880	GSM	0.233	0.134	-0.04	29.51	30.50	0.293	Battery 1#	Yes

Table 150: Body-Worn SAR test results of GSM1900

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.058	0.027	0.06	23.32	24.50	0.076	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.081	0.041	0.12	23.32	24.50	0.106	Battery 1#	/
Left Side	10mm	661/1880	GPRS 2TS	0.012	0.007	-0.05	23.32	24.50	0.015	Battery 1#	/
Right Side	10mm	661/1880	GPRS 2TS	0.005	0.003	-0.03	23.32	24.50	0.006	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.130	0.064	-0.13	23.32	24.50	0.171	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	**0.145**	0.071	-0.09	23.32	24.50	**0.190**	Battery 2#	/
Top Side	10mm	661/1880	GPRS 2TS	0.125	0.062	-0.18	23.32	24.50	0.164	With SIM2	/
Main Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.155	0.082	-0.02	22.34	23.50	0.202	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.196	0.103	-0.05	22.34	23.50	0.256	Battery 1#	/
Left Side	10mm	661/1880	GPRS 2TS	0.014	0.008	-0.08	22.34	23.50	0.018	Battery 1#	/
Right Side	10mm	661/1880	GPRS 2TS	0.026	0.014	-0.14	22.34	23.50	0.034	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.352	0.181	-0.07	22.34	23.50	0.460	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	**0.385**	0.196	-0.01	22.34	23.50	**0.503**	Battery 2#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.371	0.189	-0.11	22.34	23.50	0.485	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Top Side	10mm	661/1880	GPRS 2TS	0.077	0.037	-0.14	23.32	24.50	0.101	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Bottom Side	10mm	661/1880	GPRS 2TS	0.260	0.133	0.00	22.34	23.50	0.340	Battery 2#	Yes

Table 151: Hotspot SAR test results of GSM1900

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Main Antenna										
Front Side	10mm	661/1880	GPRS 2TS	0.155	0.082	-0.02	22.34	28.50	0.640	Yes
Back Side	10mm	661/1880	GPRS 2TS	0.196	0.103	-0.05	22.34	28.50	0.810	Yes
Left Side	10mm	661/1880	GPRS 2TS	0.014	0.008	-0.08	22.34	28.50	0.057	Yes
Right Side	10mm	661/1880	GPRS 2TS	0.026	0.014	-0.14	22.34	28.50	0.107	Yes
Bottom Side	10mm	661/1880	GPRS 2TS	0.352	0.181	-0.07	22.34	28.50	1.454	No
Bottom Side	10mm	661/1880	GPRS 2TS	**0.385**	0.196	-0.01	22.34	28.50	1.590	No
Bottom Side	10mm	661/1880	GPRS 2TS	0.371	0.189	-0.11	22.34	28.50	1.532	No
LYA-L0C Test at the worst case (Main Antenna)										
Bottom Side	10mm	661/1880	GPRS 2TS	0.260	0.133	0.00	22.34	28.50	1.074	Yes

Table 152: Product Specific 10-g SAR test reduction evaluation of GSM1900

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Bottom Side (Main Antenna)

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Main Antenna											
Bottom Side	0mm	661/1880	GPRS 2TS	4.030	**1.720**	-0.16	25.74	27.00	2.299	Battery 1#	/
Bottom Side	0mm	512/1850.2	GPRS 2TS	3.770	1.660	-0.12	25.56	27.00	2.313	Battery 1#	/
Bottom Side	0mm	810/1909.8	GPRS 2TS	3.360	1.510	-0.18	25.90	27.00	1.945	Battery 1#	/
Bottom Side	0mm	512/1850.2	GPRS 2TS	3.850	1.700	-0.19	25.56	27.00	**2.368**	Battery 2#	/
Bottom Side	0mm	512/1850.2	GPRS 2TS	3.100	1.370	-0.14	25.56	27.00	1.909	With SIM2	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Bottom Side	8mm	661/1880	GPRS 2TS	2.570	1.160	-0.12	27.32	28.50	1.522	Battery 1#	/
LYA-L0C Test at the worst case (Main Antenna)											
Bottom Side	0mm	512/1850.2	GPRS 2TS	3.640	1.590	-0.06	25.56	27.00	2.215	Battery 2#	Yes

Table 153: Product Specific 10-g SAR SAR test results of GSM1900

7.2.3 SAR measurement Result of UMTS Band II

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	9400/1880	RMC	0.151	0.079	-0.19	14.93	16.00	0.193	Battery 1#	/
Left tilt	9400/1880	RMC	0.190	0.094	-0.19	14.93	16.00	0.243	Battery 1#	/
Right cheek	9400/1880	RMC	0.295	0.133	-0.12	14.93	16.00	0.377	Battery 1#	/
Right tilt	9400/1880	RMC	0.351	0.156	-0.16	14.93	16.00	0.449	Battery 1#	/
Right tilt	9400/1880	RMC	0.344	0.153	-0.14	14.93	16.00	0.440	Battery 2#	/
Right tilt	9262/1852.4	RMC	0.311	0.138	-0.18	14.87	16.00	0.403	Battery 1#	/
Right tilt	9538/1907.6	RMC	**0.404**	0.181	-0.15	14.81	16.00	**0.531**	Battery 1#	Yes
Left cheek	9400/1880	RMC	0.151	0.079	-0.19	14.93	16.00	0.193	Battery 1#	/
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Main Antenna										
Left cheek	9400/1880	RMC	0.134	0.087	0.04	23.77	25.00	0.178	Battery 1#	/
Left tilt	9400/1880	RMC	0.130	0.075	0.01	23.77	25.00	0.173	Battery 1#	/
Right cheek	9400/1880	RMC	0.082	0.055	0.01	23.77	25.00	0.109	Battery 1#	/
Right tilt	9400/1880	RMC	0.062	0.039	0.08	23.77	25.00	0.082	Battery 1#	/
Left cheek	9400/1880	RMC	0.120	0.078	0.00	23.77	25.00	0.159	Battery 2#	/
Left cheek	9400/1880	RMC	0.107	0.062	0.12	23.77	25.00	0.142	With SIM2	/
Left cheek	9262/1852.4	RMC	0.107	0.062	0.01	24.15	25.00	0.130	Battery 1#	/
Left cheek	9538/1907.6	RMC	0.128	0.081	0.07	24.25	25.00	0.152	Battery 1#	/
LYA-L0C Test at the worst case (Main Antenna)										
Left cheek	9400/1880	RMC	**0.145**	0.093	-0.15	23.77	25.00	**0.192**	Battery 1#	Yes

Table 154: Head SAR test results of UMTS Band II

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	9400/1880	RMC	0.094	0.051	-0.13	20.71	22.00	0.127	Battery 1#	/
Back Side	15mm	9400/1880	RMC	**0.110**	0.060	-0.19	20.71	22.00	**0.148**	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.108	0.059	-0.08	20.71	22.00	0.145	Battery 2#	/
Back Side	15mm	9400/1880	RMC	0.107	0.058	0.01	20.71	22.00	0.144	With SIM2	/
Main Antenna											
Front Side	15mm	9400/1880	RMC	0.507	0.272	-0.05	23.77	25.00	0.673	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.608	0.344	-0.03	23.77	25.00	**0.807**	Battery 1#	/
Back Side	15mm	9538/1907.6	RMC	0.629	0.356	0.05	23.77	25.00	0.835	Battery 1#	/
Back Side	15mm	9262/1852.4	RMC	0.622	0.349	0.00	24.15	25.00	0.756	Battery 1#	/
Back Side	15mm	9538/1907.6	RMC	**0.648**	0.364	0.06	24.25	25.00	0.770	Battery 2#	/
Back Side	15mm	9538/1907.6	RMC	0.617	0.348	-0.08	24.25	25.00	0.733	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Back Side	15mm	9400/1880	RMC	0.058	0.032	-0.19	20.71	22.00	0.078	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	9400/1880	RMC	0.598	0.342	0.04	23.77	25.00	0.794	Battery 1#	Yes

Table 155: Body-Worn SAR test results of UMTS Band II

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	9400/1880	RMC	0.243	0.117	0.10	18.73	20.00	0.326	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.240	0.120	0.02	18.73	20.00	0.322	Battery 1#	/
Left Side	10mm	9400/1880	RMC	0.024	0.014	0.02	18.73	20.00	0.033	Battery 1#	/
Right Side	10mm	9400/1880	RMC	0.006	0.004	-0.01	18.73	20.00	0.008	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.288	0.138	-0.04	18.73	20.00	0.386	Battery 1#	/
Top Side	10mm	9400/1880	RMC	**0.316**	0.155	-0.11	18.73	20.00	**0.423**	Battery 2#	/
Top Side	10mm	9400/1880	RMC	0.286	0.137	-0.15	18.73	20.00	0.383	With SIM2	/
Main Antenna											
Front Side	10mm	9400/1880	RMC	0.200	0.101	0.13	16.79	18.00	0.264	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.277	0.145	0.09	16.79	18.00	0.366	Battery 1#	/
Left Side	10mm	9400/1880	RMC	0.022	0.012	0.10	16.79	18.00	0.029	Battery 1#	/
Right Side	10mm	9400/1880	RMC	0.037	0.019	-0.02	16.79	18.00	0.049	Battery 1#	/
Bottom Side	10mm	9400/1880	RMC	**0.579**	0.292	-0.08	16.79	18.00	**0.765**	Battery 1#	/
Bottom Side	10mm	9400/1880	RMC	0.561	0.284	-0.08	16.79	18.00	0.741	Battery 2#	/
Bottom Side	10mm	9400/1880	RMC	0.572	0.289	-0.08	16.79	18.00	0.756	With SIM2	/
LYA-0C (NEW) Test at the worst case from original report(Second Antenna)											
Top Side	10mm	9400/1880	RMC	0.157	0.081	0.12	18.73	20.00	0.210	Battery 2#	Yes
LYA-0C (NEW) Test at the worst case from original report(Main Antenna)											
Bottom Side	10mm	9400/1880	RMC	0.516	0.268	-0.04	16.79	18.00	0.682	Battery 1#	Yes

Table 156: Hotspot SAR test results of UMTS Band II

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Front Side	10mm	9400/1880	RMC	0.243	0.117	0.10	18.73	22.00	0.516	Yes
Back Side	10mm	9400/1880	RMC	0.240	0.120	0.02	18.73	22.00	0.510	Yes
Left Side	10mm	9400/1880	RMC	0.024	0.014	0.02	18.73	22.00	0.052	Yes
Right Side	10mm	9400/1880	RMC	0.006	0.004	-0.01	18.73	22.00	0.013	Yes
Top Side	10mm	9400/1880	RMC	0.288	0.138	-0.04	18.73	22.00	0.611	Yes
Top Side	10mm	9400/1880	RMC	**0.316**	0.155	-0.11	18.73	22.00	0.671	Yes
Top Side	10mm	9400/1880	RMC	0.286	0.137	-0.15	18.73	22.00	0.607	Yes
Main Antenna										
Front Side	10mm	9400/1880	RMC	0.200	0.101	0.13	16.79	25.00	1.324	No
Back Side	10mm	9400/1880	RMC	0.277	0.145	0.09	16.79	25.00	1.834	No
Left Side	10mm	9400/1880	RMC	0.022	0.012	0.10	16.79	25.00	0.146	Yes
Right Side	10mm	9400/1880	RMC	0.037	0.019	-0.02	16.79	25.00	0.246	Yes
Bottom Side	10mm	9400/1880	RMC	**0.579**	0.292	-0.08	16.79	25.00	3.834	No
Bottom Side	10mm	9400/1880	RMC	0.561	0.284	-0.08	16.79	25.00	3.715	No
Bottom Side	10mm	9400/1880	RMC	0.572	0.289	-0.08	16.79	25.00	3.788	No
LYA-0C (NEW) Test at the worst case from original report(Second Antenna)										
Top Side	10mm	9400/1880	RMC	0.157	0.081	0.12	18.73	22.00	0.333	Yes
LYA-0C (NEW) Test at the worst case from original report(Main Antenna)										
Bottom Side	10mm	9400/1880	RMC	0.516	0.268	-0.04	16.79	25.00	3.417	No

Table 157: Product Specific 10-g SAR test reduction evaluation of UMTS Band II

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Front Side, Back Side, Bottom Side(Main antenna)

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Main Antenna											
Front Side	0mm	9400/1880	RMC	3.660	1.600	-0.02	20.29	21.50	2.114	Battery 1#	/
Front Side	0mm	9262/1852.4	RMC	3.590	1.570	-0.01	20.34	21.50	2.051	Battery 1#	/
Front Side	0mm	9538/1907.6	RMC	3.720	1.620	-0.02	20.38	21.50	2.097	Battery 1#	/
Back Side	0mm	9400/1880	RMC	3.000	1.270	-0.01	20.29	21.50	1.678	Battery 1#	/
Bottom Side	0mm	9400/1880	RMC	5.750	**2.400**	-0.18	20.29	21.50	**3.171**	Battery 1#	/
Bottom Side-holder perturbation verification	0mm	9400/1880	RMC	4.670	2.070	-0.08	20.29	21.50	2.735	Battery 1#	/
Bottom Side Repeated	0mm	9400/1880	RMC	4.720	2.080	0.12	20.29	21.50	2.748	Battery 1#	/
Bottom Side	0mm	9262/1852.4	RMC	4.800	2.130	-0.14	20.34	21.50	2.782	Battery 1#	/
Bottom Side	0mm	9538/1907.6	RMC	4.820	2.180	-0.13	20.38	21.50	2.821	Battery 1#	/
Bottom Side	0mm	9400/1880	RMC	4.710	2.110	-0.13	20.29	21.50	2.788	Battery 2#	/
Bottom Side	0mm	9400/1880	RMC	5.470	2.340	0.11	20.29	21.50	3.092	With SIM2	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Front Side	3mm	9400/1880	RMC	4.570	1.940	-0.01	23.77	25.00	2.575	Battery 1#	/
Front Side	3mm	9262/1852.4	RMC	4.690	2.070	0.10	24.15	25.00	2.518	Battery 1#	/
Front Side	3mm	9538/1907.6	RMC	4.950	2.170	0.02	24.25	25.00	2.579	Battery 1#	/
Back Side	4mm	9400/1880	RMC	3.960	1.810	-0.08	23.77	25.00	2.403	Battery 1#	/
Back Side	4mm	9262/1852.4	RMC	4.310	1.980	-0.02	24.15	25.00	2.408	Battery 1#	/
Back Side	4mm	9538/1907.6	RMC	4.580	2.080	-0.07	24.25	25.00	2.472	Battery 1#	/
Bottom Side	8mm	9400/1880	RMC	5.100	2.370	0.05	23.77	25.00	3.146	Battery 1#	/
Bottom Side	8mm	9262/1852.4	RMC	4.650	2.100	-0.13	24.15	25.00	2.554	Battery 1#	/
Bottom Side	8mm	9538/1907.6	RMC	5.100	2.360	-0.12	24.25	25.00	2.805	Battery 1#	/
LYA-L0C Test at the worst case (Main Antenna)											
Bottom Side	0mm	9400/1880	RMC	4.180	1.820	0.19	20.00	21.00	2.291	Battery 1#	Yes

Table 158: Product Specific 10-g SAR test results of UMTS Band II

7.2.4 SAR measurement Result of UMTS Band IV

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	1413/1732.6	RMC	0.078	0.039	-0.19	13.89	15.00	0.100	Battery 1#	/
Left tilt	1413/1732.6	RMC	0.076	0.038	0.13	13.89	15.00	0.098	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.093	0.045	0.13	13.89	15.00	0.120	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.086	0.042	0.03	13.89	15.00	0.111	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.098	0.047	-0.01	13.89	15.00	0.126	Battery 2#	/
Right cheek	1312/1712.4	RMC	0.068	0.033	-0.12	13.92	15.00	0.087	Battery 2#	/
Right cheek	1513/1752.6	RMC	**0.134**	0.064	0.01	13.72	15.00	**0.180**	Battery 2#	Yes
Left cheek	1413/1732.6	RMC	0.078	0.039	-0.19	13.89	15.00	0.100	Battery 1#	/
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Main Antenna										
Left cheek	1413/1732.6	RMC	0.123	0.081	-0.13	24.04	25.00	0.153	Battery 1#	/
Left tilt	1413/1732.6	RMC	0.044	0.025	-0.06	24.04	25.00	0.055	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.073	0.045	-0.18	24.04	25.00	0.092	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.047	0.027	0.00	24.04	25.00	0.058	Battery 1#	/
Left cheek	1413/1732.6	RMC	0.121	0.080	-0.14	24.04	25.00	0.151	Battery 2#	/
Left cheek	1413/1732.6	RMC	0.111	0.064	0.10	24.04	25.00	0.138	With SIM2	/
Left cheek	1312/1712.4	RMC	0.113	0.066	-0.19	23.90	25.00	0.146	Battery 1#	/
Left cheek	1513/1752.6	RMC	0.133	0.087	-0.08	23.87	25.00	0.173	Battery 1#	/
LYA-L0C Test at the worst case (Main Antenna)										
Left cheek	1513/1752.6	RMC	**0.180**	0.119	-0.18	23.87	25.00	**0.233**	Battery 1#	Yes

Table 159: Head SAR test results of UMTS Band IV

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	1413/1732.6	RMC	0.090	0.049	-0.13	21.35	22.50	0.118	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	**0.122**	0.066	-0.18	21.35	22.50	**0.159**	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.107	0.060	-0.19	21.35	22.50	0.139	Battery 2#	/
Back Side	15mm	1413/1732.6	RMC	0.105	0.058	-0.15	21.35	22.50	0.137	With SIM2	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	0.591	0.342	-0.08	24.04	25.00	0.737	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	**0.627**	0.369	-0.15	24.04	25.00	0.782	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.572	0.335	-0.18	24.04	25.00	0.714	Battery 2#	/
Back Side	15mm	1413/1732.6	RMC	0.577	0.338	-0.17	24.04	25.00	0.720	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Back Side	15mm	1413/1732.6	RMC	0.089	0.048	-0.18	21.35	22.50	0.116	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	1413/1732.6	RMC	**0.731**	0.431	-0.16	24.04	25.00	0.912	Battery 1#	Yes
Back Side	15mm	1312/1712.4	RMC	0.714	0.424	-0.16	23.90	25.00	0.920	Battery 1#	/
Back Side	15mm	1513/1752.6	RMC	0.728	0.430	-0.10	23.87	25.00	**0.944**	Battery 1#	/

Table 160: Body-Worn SAR test results of UMTS Band IV

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	1413/1732.6	RMC	0.206	0.105	-0.18	20.38	21.50	0.267	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.211	0.111	-0.14	20.38	21.50	0.273	Battery 1#	/
Left Side	10mm	1413/1732.6	RMC	0.017	0.009	-0.10	20.38	21.50	0.022	Battery 1#	/
Right Side	10mm	1413/1732.6	RMC	0.012	0.007	-0.17	20.38	21.50	0.016	Battery 1#	/
Top Side	10mm	1413/1732.6	RMC	0.264	0.124	0.17	20.38	21.50	0.342	Battery 1#	/
Top Side	10mm	1413/1732.6	RMC	**0.267**	0.125	0.09	20.38	21.50	**0.346**	Battery 2#	/
Top Side	10mm	1413/1732.6	RMC	0.244	0.114	0.18	20.38	21.50	0.316	With SIM2	/
Main Antenna											
Front Side	10mm	1413/1732.6	RMC	0.309	0.163	-0.04	17.48	18.50	0.391	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.332	0.180	-0.13	17.48	18.50	0.420	Battery 1#	/
Left Side	10mm	1413/1732.6	RMC	0.019	0.011	-0.16	17.48	18.50	0.024	Battery 1#	/
Right Side	10mm	1413/1732.6	RMC	0.044	0.024	-0.16	17.48	18.50	0.055	Battery 1#	/
Bottom Side	10mm	1413/1732.6	RMC	0.529	0.277	-0.17	17.48	18.50	0.669	Battery 1#	/
Bottom Side	10mm	1413/1732.6	RMC	0.533	0.279	-0.19	17.48	18.50	0.674	Battery 2#	/
Bottom Side	10mm	1413/1732.6	RMC	0.495	0.249	-0.19	17.48	18.50	0.626	With SIM2	/
LYA-0C (NEW) Test at the worst case from original report(Second Antenna)											
Top Side	10mm	1413/1732.6	RMC	0.138	0.068	-0.17	20.38	21.50	0.179	Battery 2#	Yes
LYA-0C (NEW) Test at the worst case from original report(Main Antenna)											
Bottom Side	10mm	1413/1732.6	RMC	**0.614**	0.323	-0.06	17.48	18.50	**0.777**	Battery 2#	Yes

Table 161: Hotspot SAR test results of UMTS Band IV

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Front Side	10mm	1413/1732.6	RMC	0.206	0.105	-0.18	20.38	22.50	0.336	Yes
Back Side	10mm	1413/1732.6	RMC	0.211	0.111	-0.14	20.38	22.50	0.344	Yes
Left Side	10mm	1413/1732.6	RMC	0.017	0.009	-0.10	20.38	22.50	0.028	Yes
Right Side	10mm	1413/1732.6	RMC	0.012	0.007	-0.17	20.38	22.50	0.020	Yes
Top Side	10mm	1413/1732.6	RMC	0.264	0.124	0.17	20.38	22.50	0.430	Yes
Top Side	10mm	1413/1732.6	RMC	**0.267**	0.125	0.09	20.38	22.50	0.435	Yes
Top Side	10mm	1413/1732.6	RMC	0.244	0.114	0.18	20.38	22.50	0.398	Yes
Main Antenna										
Front Side	10mm	1413/1732.6	RMC	0.309	0.163	-0.04	17.48	25.00	1.746	No
Back Side	10mm	1413/1732.6	RMC	0.332	0.180	-0.13	17.48	25.00	1.876	No
Left Side	10mm	1413/1732.6	RMC	0.019	0.011	-0.16	17.48	25.00	0.105	Yes
Right Side	10mm	1413/1732.6	RMC	0.044	0.024	-0.16	17.48	25.00	0.247	Yes
Bottom Side	10mm	1413/1732.6	RMC	0.529	0.277	-0.17	17.48	25.00	2.989	No
Bottom Side	10mm	1413/1732.6	RMC	0.533	0.279	-0.19	17.48	25.00	3.011	No
Bottom Side	10mm	1413/1732.6	RMC	0.495	0.249	-0.19	17.48	25.00	2.796	No
LYA-0C (NEW) Test at the worst case from original report(Second Antenna)										
Top Side	10mm	1413/1732.6	RMC	0.138	0.068	-0.17	20.38	22.50	0.225	Yes
LYA-0C (NEW) Test at the worst case from original report(Main Antenna)										
Bottom Side	10mm	1413/1732.6	RMC	**0.614**	0.323	-0.06	17.48	25.00	3.469	No

Table 162: Product Specific 10-g SAR test reduction evaluation of UMTS Band IV

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Front Side, Back Side, Bottom Side

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Main Antenna											
Front Side	0mm	1413/1732.6	RMC	3.890	1.580	0.09	19.80	20.50	1.856	Battery 1#	/
Back Side	0mm	1413/1732.6	RMC	3.550	1.540	-0.15	19.80	20.50	1.809	Battery 1#	/
Bottom Side	0mm	1413/1732.6	RMC	4.180	1.790	0.14	19.80	20.50	2.103	Battery 1#	/
Bottom Side	0mm	1312/1712.4	RMC	3.290	1.460	-0.12	19.45	20.50	1.859	Battery 1#	/
Bottom Side	0mm	1513/1752.6	RMC	3.210	1.410	-0.10	19.45	20.50	1.796	Battery 1#	/
Bottom Side	0mm	1413/1732.6	RMC	4.110	1.760	-0.11	19.80	20.50	2.068	Battery 2#	/
Bottom Side	0mm	1413/1732.6	RMC	4.150	1.710	-0.10	19.80	20.50	2.009	With SIM2	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Front Side	3mm	1413/1732.6	RMC	3.890	1.770	-0.10	24.04	25.00	2.208	Battery 1#	/
Front Side	3mm	1312/1712.4	RMC	2.570	1.360	-0.16	23.90	25.00	1.752	Battery 1#	/
Front Side	3mm	1513/1752.6	RMC	3.100	1.620	-0.16	23.87	25.00	2.101	Battery 1#	/
Back Side	4mm	1413/1732.6	RMC	3.990	1.870	-0.18	24.04	25.00	2.333	Battery 1#	/
Back Side	4mm	1312/1712.4	RMC	3.340	1.460	-0.12	23.90	25.00	1.881	Battery 1#	/
Back Side	4mm	1513/1752.6	RMC	4.270	2.000	-0.18	23.87	25.00	2.594	Battery 1#	/
Bottom Side	8mm	1413/1732.6	RMC	4.780	2.230	-0.10	24.04	25.00	2.782	Battery 1#	/
Bottom Side	8mm	1312/1712.4	RMC	3.230	1.500	-0.11	23.90	25.00	1.932	Battery 1#	/
Bottom Side	8mm	1513/1752.6	RMC	4.870	**2.270**	-0.15	23.87	25.00	**2.945**	Battery 1#	/
Bottom Side Repeated	8mm	1513/1752.6	RMC	3.850	1.890	0.09	23.87	25.00	2.452	Battery 1#	/
LYA-L29,LYA-L09 (NEW) Test at the worst case from original report(Main Antenna)											
Bottom Side	8mm	1513/1752.6	RMC	4.100	2.050	-0.11	23.87	25.00	2.659	Battery 1#	Yes

Table 163: Product Specific 10-g SAR test results of UMTS Band IV

7.2.5 SAR measurement Result of UMTS Band V

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Left cheek	4182/836.4	RMC	0.358	0.198	-0.18	18.99	20.50	0.507	Battery 1#	/
Left tilt	4182/836.4	RMC	0.278	0.181	-0.17	18.99	20.50	0.394	Battery 1#	/
Right cheek	4182/836.4	RMC	0.350	0.206	-0.08	18.99	20.50	0.496	Battery 1#	/
Right tilt	4182/836.4	RMC	0.290	0.172	-0.06	18.99	20.50	0.411	Battery 1#	/
Left cheek	4182/836.4	RMC	**0.394**	0.212	-0.05	18.99	20.50	**0.558**	Battery 2#	/
Left cheek	4182/836.4	RMC	0.360	0.197	-0.04	18.99	20.50	0.510	With SIM2	/
Left cheek	4132/826.4	RMC	0.341	0.223	-0.05	19.02	20.50	0.479	Battery 2#	/
Left cheek	4233/846.6	RMC	0.379	0.207	-0.04	18.98	20.50	0.538	Battery 2#	/
Main Antenna										
Left cheek	4182/836.4	RMC	0.130	0.091	-0.15	24.55	25.00	0.144	Battery 1#	/
Left tilt	4182/836.4	RMC	0.062	0.044	-0.17	24.55	25.00	0.069	Battery 1#	/
Right cheek	4182/836.4	RMC	0.190	0.149	-0.18	24.55	25.00	0.211	Battery 1#	/
Right tilt	4182/836.4	RMC	0.078	0.055	-0.16	24.55	25.00	0.087	Battery 1#	/
Right cheek	4182/836.4	RMC	0.211	0.165	-0.13	24.55	25.00	0.234	Battery 2#	/
Right cheek	4182/836.4	RMC	0.190	0.150	0.04	24.55	25.00	0.211	With SIM2	/
Right cheek	4132/826.4	RMC	0.156	0.107	-0.15	24.47	25.00	0.176	Battery 2#	/
Right cheek	4233/846.6	RMC	0.224	0.176	-0.16	24.42	25.00	0.256	Battery 2#	/
LYA-0C (NEW) Test at the worst case from original report(Second Antenna)										
Left cheek	4182/836.4	RMC	0.361	0.191	-0.08	18.99	20.50	0.511	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Right cheek	4233/846.6	RMC	**0.228**	0.178	-0.11	24.42	25.00	**0.261**	Battery 2#	Yes

Table 164: Head SAR test results of UMTS Band V

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	4182/836.4	RMC	0.132	0.089	-0.13	23.55	25.00	0.184	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.133	0.098	-0.12	23.55	25.00	0.186	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.139	0.102	-0.15	23.55	25.00	0.194	Battery 2#	/
Back Side	15mm	4182/836.4	RMC	0.138	0.102	-0.12	23.55	25.00	0.193	With SIM2	/
Main Antenna											
Front Side	15mm	4182/836.4	RMC	0.167	0.115	-0.17	24.55	25.00	0.185	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.212	0.157	-0.05	24.55	25.00	0.235	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.246	0.182	-0.04	24.55	25.00	0.273	Battery 2#	/
Back Side	15mm	4182/836.4	RMC	0.232	0.173	-0.06	24.55	25.00	0.257	With SIM2	/
LYA-0C (NEW) Test at the worst case from original report(Second Antenna)											
Back Side	15mm	4182/836.4	RMC	0.130	0.095	-0.15	23.55	25.00	0.182	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	4182/836.4	RMC	**0.273**	0.202	-0.12	24.55	25.00	**0.303**	Battery 2#	Yes

Table 165: Body-Worn SAR test results of UMTS Band V

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	4182/836.4	RMC	0.233	0.135	-0.10	23.55	25.00	0.325	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.243	0.140	-0.12	23.55	25.00	0.339	Battery 1#	/
Left Side	10mm	4182/836.4	RMC	0.148	0.100	-0.04	23.55	25.00	0.207	Battery 1#	/
Right Side	10mm	4182/836.4	RMC	0.036	0.024	-0.17	23.55	25.00	0.050	Battery 1#	/
Top Side	10mm	4182/836.4	RMC	0.145	0.077	0.09	23.55	25.00	0.202	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	**0.260**	0.149	-0.10	23.55	25.00	**0.363**	Battery 2#	/
Back Side	10mm	4182/836.4	RMC	0.216	0.126	-0.14	23.55	25.00	0.302	With SIM2	/
Main Antenna											
Front Side	10mm	4182/836.4	RMC	0.237	0.163	-0.17	24.55	25.00	0.263	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.346	0.209	-0.04	24.55	25.00	0.384	Battery 1#	/
Left Side	10mm	4182/836.4	RMC	0.077	0.052	-0.11	24.55	25.00	0.086	Battery 1#	/
Right Side	10mm	4182/836.4	RMC	0.292	0.195	-0.03	24.55	25.00	0.324	Battery 1#	/
Bottom Side	10mm	4182/836.4	RMC	0.147	0.084	0.14	24.55	25.00	0.163	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.355	0.217	-0.05	24.55	25.00	0.394	Battery 2#	/
Back Side	10mm	4182/836.4	RMC	0.328	0.201	-0.05	24.55	25.00	0.364	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Back Side	10mm	4182/836.4	RMC	0.258	0.150	-0.15	23.55	25.00	0.360	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	10mm	4182/836.4	RMC	**0.435**	0.262	-0.10	24.55	25.00	**0.482**	Battery 2#	Yes

Table 166: Hotspot SAR test results of UMTS Band V

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.6 SAR measurement Result of LTE Band 2

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	19100/1900	20M QPSK 1RB#50	0.069	0.034	-0.14	11.92	13.00	0.088	Battery 1#	/
Left tilt	19100/1900	20M QPSK 1RB#50	0.089	0.042	-0.04	11.92	13.00	0.115	Battery 1#	/
Right cheek	19100/1900	20M QPSK 1RB#50	0.139	0.062	-0.06	11.92	13.00	0.178	Battery 1#	/
Right tilt	19100/1900	20M QPSK 1RB#50	0.169	0.074	-0.19	11.92	13.00	0.217	Battery 1#	/
Left cheek	18700/1860	20M QPSK 50%RB#0	0.065	0.034	-0.11	11.76	13.00	0.087	Battery 1#	/
Left tilt	18700/1860	20M QPSK 50%RB#0	0.082	0.040	0.03	11.76	13.00	0.109	Battery 1#	/
Right cheek	18700/1860	20M QPSK 50%RB#0	0.140	0.059	-0.11	11.76	13.00	0.186	Battery 1#	/
Right tilt	18700/1860	20M QPSK 50%RB#0	0.159	0.070	-0.16	11.76	13.00	0.212	Battery 1#	/
Right tilt	19100/1900	20M QPSK 1RB#50	0.187	0.082	-0.19	11.92	13.00	0.240	Battery 2#	/
Right tilt	18700/1860	20M QPSK 1RB#50	0.187	0.082	-0.18	11.81	13.00	0.246	Battery 2#	/
Right tilt	18900/1880	20M QPSK 1RB#99	**0.193**	0.084	-0.09	11.81	13.00	**0.254**	Battery 2#	Yes
Main Antenna										
Left cheek	18700/1860	20M QPSK 1RB#0	0.141	0.091	-0.11	23.68	24.50	0.170	Battery 1#	/
Left tilt	18700/1860	20M QPSK 1RB#0	0.060	0.033	0.00	23.68	24.50	0.073	Battery 1#	/
Right cheek	18700/1860	20M QPSK 1RB#0	0.078	0.052	-0.05	23.68	24.50	0.094	Battery 1#	/
Right tilt	18700/1860	20M QPSK 1RB#0	0.069	0.039	-0.06	23.68	24.50	0.083	Battery 1#	/
Left cheek	18900/1880	20M QPSK 50%RB#25	0.102	0.058	-0.16	22.56	23.50	0.127	Battery 1#	/
Left tilt	18900/1880	20M QPSK 50%RB#25	0.039	0.021	-0.13	22.56	23.50	0.048	Battery 1#	/
Right cheek	18900/1880	20M QPSK 50%RB#25	0.061	0.037	0.04	22.56	23.50	0.076	Battery 1#	/
Right tilt	18900/1880	20M QPSK 50%RB#25	0.057	0.031	-0.16	22.56	23.50	0.070	Battery 1#	/
Left cheek	18700/1860	20M QPSK 1RB#0	**0.142**	0.091	0.07	23.68	24.50	**0.172**	Battery 2#	Yes
Left cheek	18900/1880	20M QPSK 1RB#0	0.136	0.087	-0.13	23.63	24.50	0.166	Battery 2#	/
Left cheek	19100/1900	20M QPSK 1RB#0	0.131	0.084	-0.09	23.48	24.50	0.166	Battery 2#	/

Table 167: Head SAR test results of LTE Band 2

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	19100/1900	20M QPSK 1RB#0	0.066	0.036	-0.12	18.53	19.50	0.083	Battery 1#	/
Back Side	15mm	19100/1900	20M QPSK 1RB#0	**0.068**	0.038	-0.10	18.53	19.50	0.086	Battery 1#	Yes
Front Side	15mm	19100/1900	20M QPSK 50%RB#0	0.052	0.028	-0.05	18.39	19.50	0.066	Battery 1#	/
Back Side	15mm	19100/1900	20M QPSK 50%RB#0	0.068	0.037	-0.15	18.39	19.50	**0.087**	Battery 1#	/
Back Side	15mm	19100/1900	20M QPSK 50%RB#0	0.055	0.030	-0.18	18.39	19.50	0.071	Battery 2#	/
Main Antenna											
Front Side	15mm	18700/1860	20M QPSK 1RB#0	0.195	0.105	-0.11	23.68	24.50	0.236	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.263	0.150	-0.16	23.68	24.50	0.318	Battery 1#	/
Front Side	15mm	18900/1880	20M QPSK 50%RB#25	0.172	0.093	-0.18	22.56	23.50	0.214	Battery 1#	/
Back Side	15mm	18900/1880	20M QPSK 50%RB#25	0.207	0.115	-0.02	22.56	23.50	0.257	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	**0.266**	0.152	-0.04	23.68	24.50	**0.321**	Battery 2#	Yes

Table 168: Body-Worn SAR test results of LTE Band 2

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	19100/1900	20M QPSK 1RB#50	0.090	0.046	-0.17	17.52	18.50	0.113	Battery 1#	/
Back Side	10mm	19100/1900	20M QPSK 1RB#50	0.103	0.052	-0.16	17.52	18.50	0.129	Battery 1#	/
Left Side	10mm	19100/1900	20M QPSK 1RB#50	0.020	0.011	-0.11	17.52	18.50	0.026	Battery 1#	/
Right Side	10mm	19100/1900	20M QPSK 1RB#50	0.012	0.007	-0.14	17.52	18.50	0.015	Battery 1#	/
Top Side	10mm	19100/1900	20M QPSK 1RB#50	0.191	0.095	-0.15	17.52	18.50	0.239	Battery 1#	/
Front Side	10mm	19100/1900	20M QPSK 50%RB#0	0.096	0.049	-0.06	17.42	18.50	0.123	Battery 1#	/
Back Side	10mm	19100/1900	20M QPSK 50%RB#0	0.108	0.055	-0.18	17.42	18.50	0.138	Battery 1#	/
Left Side	10mm	19100/1900	20M QPSK 50%RB#0	0.020	0.011	-0.12	17.42	18.50	0.026	Battery 1#	/
Right Side	10mm	19100/1900	20M QPSK 50%RB#0	0.011	0.006	-0.03	17.42	18.50	0.014	Battery 1#	/
Top Side	10mm	19100/1900	20M QPSK 50%RB#0	**0.196**	0.096	-0.17	17.42	18.50	**0.251**	Battery 1#	Yes
Top Side	10mm	19100/1900	20M QPSK 50%RB#0	0.123	0.063	-0.02	17.42	18.50	0.158	Battery 2#	/
Main Antenna											
Front Side	10mm	19100/1900	20M QPSK 1RB#0	0.194	0.105	-0.17	16.68	17.50	0.234	Battery 1#	/
Back Side	10mm	19100/1900	20M QPSK 1RB#0	0.252	0.134	-0.14	16.68	17.50	0.304	Battery 1#	/
Left Side	10mm	19100/1900	20M QPSK 1RB#0	0.021	0.013	-0.05	16.68	17.50	0.026	Battery 1#	/
Right Side	10mm	19100/1900	20M QPSK 1RB#0	0.031	0.018	-0.07	16.68	17.50	0.038	Battery 1#	/
Bottom Side	10mm	19100/1900	20M QPSK 1RB#0	**0.471**	0.241	-0.14	16.68	17.50	0.569	Battery 1#	Yes
Front Side	10mm	19100/1900	20M QPSK 50%RB#25	0.181	0.098	-0.18	16.60	17.50	0.223	Battery 1#	/
Back Side	10mm	19100/1900	20M QPSK 50%RB#25	0.210	0.112	-0.19	16.60	17.50	0.258	Battery 1#	/
Left Side	10mm	19100/1900	20M QPSK 50%RB#25	0.012	0.006	0.00	16.60	17.50	0.015	Battery 1#	/
Right Side	10mm	19100/1900	20M QPSK 50%RB#25	0.031	0.017	-0.06	16.60	17.50	0.038	Battery 1#	/
Bottom Side	10mm	19100/1900	20M QPSK 50%RB#25	0.464	0.237	-0.13	16.60	17.50	**0.571**	Battery 1#	/
Bottom Side	10mm	19100/1900	20M QPSK 50%RB#25	0.457	0.233	0.05	16.60	17.50	0.562	Battery 2#	/

Table 169: Hotspot SAR test results of LTE Band 2

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	19100/1900	20M QPSK 1RB#50	0.090	0.046	-0.17	17.52	19.50	0.142	Yes
Back Side	10mm	19100/1900	20M QPSK 1RB#50	0.103	0.052	-0.16	17.52	19.50	0.162	Yes
Left Side	10mm	19100/1900	20M QPSK 1RB#50	0.020	0.011	-0.11	17.52	19.50	0.032	Yes
Right Side	10mm	19100/1900	20M QPSK 1RB#50	0.012	0.007	-0.14	17.52	19.50	0.019	Yes
Top Side	10mm	19100/1900	20M QPSK 1RB#50	0.191	0.095	-0.15	17.52	19.50	0.301	Yes
Front Side	10mm	19100/1900	20M QPSK 50%RB#0	0.096	0.049	-0.06	17.42	19.50	0.155	Yes
Back Side	10mm	19100/1900	20M QPSK 50%RB#0	0.108	0.055	-0.18	17.42	19.50	0.174	Yes
Left Side	10mm	19100/1900	20M QPSK 50%RB#0	0.020	0.011	-0.12	17.42	19.50	0.032	Yes
Right Side	10mm	19100/1900	20M QPSK 50%RB#0	0.011	0.006	-0.03	17.42	19.50	0.018	Yes
Top Side	10mm	19100/1900	20M QPSK 50%RB#0	**0.196**	0.096	-0.17	17.42	19.50	0.316	Yes
Top Side	10mm	19100/1900	20M QPSK 50%RB#0	0.123	0.063	-0.02	17.42	19.50	0.199	Yes
Main Antenna										
Front Side	10mm	19100/1900	20M QPSK 1RB#0	0.194	0.105	-0.17	16.68	24.50	1.174	Yes
Back Side	10mm	19100/1900	20M QPSK 1RB#0	0.252	0.134	-0.14	16.68	24.50	1.525	No
Left Side	10mm	19100/1900	20M QPSK 1RB#0	0.021	0.013	-0.05	16.68	24.50	0.128	Yes
Right Side	10mm	19100/1900	20M QPSK 1RB#0	0.031	0.018	-0.07	16.68	24.50	0.188	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#0	0.471	0.241	-0.14	16.68	24.50	2.851	No
Front Side	10mm	19100/1900	20M QPSK 50%RB#25	0.181	0.098	-0.18	16.60	23.50	0.886	Yes
Back Side	10mm	19100/1900	20M QPSK 50%RB#25	0.210	0.112	-0.19	16.60	23.50	1.029	Yes
Left Side	10mm	19100/1900	20M QPSK 50%RB#25	0.012	0.006	0.00	16.60	23.50	0.060	Yes
Right Side	10mm	19100/1900	20M QPSK 50%RB#25	0.031	0.017	-0.06	16.60	23.50	0.152	Yes
Bottom Side	10mm	19100/1900	20M QPSK 50%RB#25	0.464	0.237	-0.13	16.60	23.50	2.273	No
Bottom Side	10mm	19100/1900	20M QPSK 50%RB#25	0.457	0.233	0.05	16.60	23.50	2.238	No

Table 170: Product Specific 10-g SAR test reduction evaluation of LTE Band 2

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Back Side, Bottom Side

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Main Antenna											
Back Side	0mm	18700/1860	20M QPSK 1RB#0	3.810	1.620	-0.06	19.80	20.50	1.903	Battery 1#	/
Bottom Side	0mm	18700/1860	20M QPSK 1RB#0	3.600	1.550	-0.11	19.80	20.50	1.821	Battery 1#	/
Back Side	0mm	18900/1880	20M QPSK 50%RB#0	2.720	1.150	-0.08	19.63	20.50	1.405	Battery 1#	/
Bottom Side	0mm	18900/1880	20M QPSK 50%RB#0	3.450	1.480	-0.13	19.63	20.50	1.808	Battery 1#	/
Back Side	0mm	18700/1860	20M QPSK 1RB#0	3.670	1.520	0.03	19.80	20.50	1.786	Battery 2#	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Back Side	4mm	18700/1860	20M QPSK 1RB#0	4.470	2.040	0.03	23.68	24.50	2.464	Battery 1#	/
Back Side Repeat	4mm	18700/1860	20M QPSK 1RB#0	3.810	1.790	-0.10	23.68	24.50	2.162	Battery 1#	/
Back Side	4mm	18900/1880	20M QPSK 1RB#0	4.540	**2.060**	-0.01	23.63	24.50	**2.517**	Battery 1#	Yes
Back Side	4mm	19100/1900	20M QPSK 1RB#0	4.400	1.980	-0.11	23.48	24.50	2.504	Battery 1#	/
Bottom Side	8mm	18700/1860	20M QPSK 1RB#0	3.270	1.620	-0.11	23.68	24.50	1.957	Battery 1#	/
Back Side	4mm	18900/1880	20M QPSK 50%RB#25	3.500	1.570	0.08	22.56	23.50	1.589	Battery 1#	/
Bottom Side	8mm	18900/1880	20M QPSK 50%RB#25	2.590	1.280	-0.10	22.56	23.50	1.689	Battery 1#	/
Back Side	4mm	18900/1880	20M QPSK 100%RB#0	2.960	1.360	-0.09	22.53	24.50	2.141	Battery 1#	/

Table 171: Product Specific 10-g SAR test results of LTE Band 2

7.2.7 SAR measurement Result of LTE Band 4

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Left cheek	20050/1720	20M QPSK 1RB#99	0.172	0.089	-0.19	13.12	14.00	0.211	Battery 1#	/
Left tilt	20050/1720	20M QPSK 1RB#99	0.131	0.067	-0.04	13.12	14.00	0.160	Battery 1#	/
Right cheek	20050/1720	20M QPSK 1RB#99	0.223	0.107	-0.06	13.12	14.00	0.273	Battery 1#	/
Right tilt	20050/1720	20M QPSK 1RB#99	0.196	0.092	-0.03	13.12	14.00	0.240	Battery 1#	/
Left cheek	20050/1720	20M QPSK 50%RB#0	0.178	0.093	-0.08	12.87	14.00	0.231	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.136	0.069	-0.06	12.87	14.00	0.176	Battery 1#	/
Right cheek	20050/1720	20M QPSK 50%RB#0	0.202	0.099	-0.04	12.87	14.00	0.262	Battery 1#	/
Right tilt	20050/1720	20M QPSK 50%RB#0	0.198	0.093	-0.03	12.87	14.00	0.257	Battery 1#	/
Right cheek	20050/1720	20M QPSK 1RB#99	0.233	0.113	0.17	13.12	14.00	0.285	Battery 2#	/
Right cheek	20050/1720	20M QPSK 1RB#99	0.230	0.112	0.18	13.12	14.00	0.282	With SIM2	/
Right cheek	20175/1732.5	20M QPSK 1RB#99	0.261	0.125	-0.05	12.68	14.00	0.354	Battery 2#	/
Right cheek	20300/1745	20M QPSK 1RB#50	**0.283**	0.133	-0.13	12.87	14.00	**0.367**	Battery 2#	/
Main Antenna										
Left cheek	20300/1745	20M QPSK 1RB#0	0.121	0.080	-0.08	23.45	24.50	0.154	Battery 1#	/
Left tilt	20300/1745	20M QPSK 1RB#0	0.035	0.019	-0.08	23.45	24.50	0.044	Battery 1#	/
Right cheek	20300/1745	20M QPSK 1RB#0	0.065	0.039	-0.04	23.45	24.50	0.083	Battery 1#	/
Right tilt	20300/1745	20M QPSK 1RB#0	0.040	0.023	-0.17	23.45	24.50	0.051	Battery 1#	/
Left cheek	20175/1732.5	20M QPSK 50%RB#50	0.084	0.049	-0.09	22.47	23.50	0.106	Battery 1#	/
Left tilt	20175/1732.5	20M QPSK 50%RB#50	0.029	0.016	-0.11	22.47	23.50	0.037	Battery 1#	/
Right cheek	20175/1732.5	20M QPSK 50%RB#50	0.046	0.028	0.14	22.47	23.50	0.058	Battery 1#	/
Right tilt	20175/1732.5	20M QPSK 50%RB#50	0.029	0.017	-0.13	22.47	23.50	0.037	Battery 1#	/
Left cheek	20300/1745	20M QPSK 1RB#0	0.098	0.065	-0.18	23.45	24.50	0.125	Battery 2#	/
Left cheek	20300/1745	20M QPSK 1RB#0	0.113	0.075	-0.13	23.45	24.50	0.144	With SIM2	/
Left cheek	20050/1720	20M QPSK 1RB#0	0.081	0.047	-0.09	23.41	24.50	0.104	Battery 1#	/
Left cheek	20175/1732.5	20M QPSK 1RB#50	0.083	0.048	-0.07	23.38	24.50	0.107	Battery 1#	/
LYA-L0C Test at the worst case (Second Antenna)										
Right cheek	20300/1745	20M QPSK 1RB#50	0.168	0.079	-0.11	12.87	14.00	0.218	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Left cheek	20300/1745	20M QPSK 1RB#0	**0.139**	0.092	-0.12	23.45	24.50	**0.177**	Battery 1#	Yes

Table 172: Head SAR test results of LTE Band 4

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	20050/1720	20M QPSK 1RB#50	0.051	0.027	-0.11	20.25	21.00	0.060	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 1RB#50	0.079	0.043	-0.02	20.25	21.00	0.093	Battery 1#	/
Front Side	15mm	20050/1720	20M QPSK 50%RB#25	0.049	0.027	-0.16	19.78	21.00	0.065	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#25	0.082	0.045	-0.16	19.78	21.00	0.109	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#25	0.061	0.033	0.02	19.78	21.00	0.081	Battery 2#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#25	0.063	0.035	-0.19	19.78	21.00	0.084	With SIM2	/
Main Antenna											
Front Side	15mm	20300/1745	20M QPSK 1RB#0	0.498	0.288	-0.09	23.45	24.50	0.634	Battery 1#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#0	0.563	0.330	-0.01	23.45	24.50	0.717	Battery 1#	/
Front Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.324	0.186	-0.12	22.47	23.50	0.411	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.418	0.245	0.01	22.47	23.50	0.530	Battery 1#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#0	0.625	0.364	0.03	23.45	24.50	0.796	Battery 2#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#0	0.606	0.354	-0.04	23.45	24.50	0.772	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Back Side	15mm	20050/1720	20M QPSK 50%RB#25	**0.092**	0.052	-0.01	19.78	21.00	**0.122**	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	20300/1745	20M QPSK 1RB#0	**0.743**	0.435	-0.10	23.45	24.50	**0.946**	Battery 2#	Yes
Back Side	15mm	20050/1720	20M QPSK 1RB#0	0.606	0.354	-0.04	23.41	24.50	0.779	Battery 2#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#50	0.551	0.323	-0.11	23.38	24.50	0.713	Battery 2#	/
Back Side	15mm	20175/1732.5	20M QPSK 100%RB#0	0.609	0.357	-0.05	22.41	23.50	0.783	Battery 2#	/

Table 173: Body-Worn SAR test results of LTE Band 4

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	20050/1720	20M QPSK 1RB#50	0.085	0.046	-0.16	18.60	19.50	0.104	Battery 1#	/
Back Side	10mm	20050/1720	20M QPSK 1RB#50	0.134	0.070	-0.14	18.60	19.50	0.165	Battery 1#	/
Left Side	10mm	20050/1720	20M QPSK 1RB#50	0.010	0.006	-0.12	18.60	19.50	0.012	Battery 1#	/
Right Side	10mm	20050/1720	20M QPSK 1RB#50	0.018	0.008	-0.17	18.60	19.50	0.023	Battery 1#	/
Top Side	10mm	20050/1720	20M QPSK 1RB#50	0.128	0.060	-0.19	18.60	19.50	0.157	Battery 1#	/
Front Side	10mm	20050/1720	20M QPSK 50%RB#50	0.092	0.050	-0.14	18.35	19.50	0.120	Battery 1#	/
Back Side	10mm	20050/1720	20M QPSK 50%RB#50	**0.143**	0.075	-0.13	18.35	19.50	**0.186**	Battery 1#	/
Left Side	10mm	20050/1720	20M QPSK 50%RB#50	0.011	0.006	0.06	18.35	19.50	0.014	Battery 1#	/
Right Side	10mm	20050/1720	20M QPSK 50%RB#50	0.009	0.004	0.16	18.35	19.50	0.011	Battery 1#	/
Top Side	10mm	20050/1720	20M QPSK 50%RB#50	0.084	0.039	-0.14	18.35	19.50	0.109	Battery 1#	/
Back Side	10mm	20050/1720	20M QPSK 50%RB#50	0.096	0.051	-0.08	18.35	19.50	0.125	Battery 2#	/
Back Side	10mm	20050/1720	20M QPSK 50%RB#50	0.129	0.068	0.03	18.35	19.50	0.168	With SIM2	/
Main Antenna											
Front Side	10mm	20300/1745	20M QPSK 1RB#0	0.217	0.120	-0.09	17.76	18.50	0.257	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.303	0.165	-0.12	17.76	18.50	0.359	Battery 1#	/
Left Side	10mm	20300/1745	20M QPSK 1RB#0	0.017	0.010	-0.16	17.76	18.50	0.020	Battery 1#	/
Right Side	10mm	20300/1745	20M QPSK 1RB#0	0.036	0.019	-0.19	17.76	18.50	0.042	Battery 1#	/
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.491	0.257	0.04	17.76	18.50	0.582	Battery 1#	/
Front Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.231	0.128	-0.11	17.70	18.50	0.278	Battery 1#	/
Back Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.245	0.129	-0.18	17.70	18.50	0.295	Battery 1#	/
Left Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.015	0.009	-0.10	17.70	18.50	0.017	Battery 1#	/
Right Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.034	0.017	-0.11	17.70	18.50	0.041	Battery 1#	/
Bottom Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.464	0.242	0.03	17.70	18.50	0.558	Battery 1#	/
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.482	0.253	0.10	17.76	18.50	0.572	Battery 2#	/
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.436	0.220	-0.06	17.76	18.50	0.517	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Back Side	10mm	20050/1720	20M QPSK 50%RB#50	0.133	0.070	-0.19	18.35	19.50	0.173	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	**0.560**	0.297	-0.04	17.10	18.00	**0.689**	Battery 1#	Yes

Table 174: Hotspot SAR test results of LTE Band 4

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Front Side	10mm	20050/1720	20M QPSK 1RB#50	0.085	0.046	-0.16	18.60	21.00	0.147	Yes
Back Side	10mm	20050/1720	20M QPSK 1RB#50	0.134	0.070	-0.14	18.60	21.00	0.233	Yes
Left Side	10mm	20050/1720	20M QPSK 1RB#50	0.010	0.006	-0.12	18.60	21.00	0.018	Yes
Right Side	10mm	20050/1720	20M QPSK 1RB#50	0.018	0.008	-0.17	18.60	21.00	0.032	Yes
Top Side	10mm	20050/1720	20M QPSK 1RB#50	0.128	0.060	-0.19	18.60	21.00	0.222	Yes
Front Side	10mm	20050/1720	20M QPSK 50%RB#50	0.092	0.050	-0.14	18.35	21.00	0.169	Yes
Back Side	10mm	20050/1720	20M QPSK 50%RB#50	**0.143**	0.075	-0.13	18.35	21.00	0.263	Yes
Left Side	10mm	20050/1720	20M QPSK 50%RB#50	0.011	0.006	0.06	18.35	21.00	0.020	Yes
Right Side	10mm	20050/1720	20M QPSK 50%RB#50	0.009	0.004	0.16	18.35	21.00	0.016	Yes
Top Side	10mm	20050/1720	20M QPSK 50%RB#50	0.084	0.039	-0.14	18.35	21.00	0.154	Yes
Back Side	10mm	20050/1720	20M QPSK 50%RB#50	0.096	0.051	-0.08	18.35	21.00	0.177	Yes
Back Side	10mm	20050/1720	20M QPSK 50%RB#50	0.129	0.068	0.03	18.35	21.00	0.237	Yes
Main Antenna										
Front Side	10mm	20300/1745	20M QPSK 1RB#0	0.217	0.120	-0.09	17.76	24.50	1.024	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.303	0.165	-0.12	17.76	24.50	1.430	No
Left Side	10mm	20300/1745	20M QPSK 1RB#0	0.017	0.010	-0.16	17.76	24.50	0.080	Yes
Right Side	10mm	20300/1745	20M QPSK 1RB#0	0.036	0.019	-0.19	17.76	24.50	0.169	Yes
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	**0.491**	0.257	0.04	17.76	24.50	2.318	No
Front Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.231	0.128	-0.11	17.70	23.50	0.878	Yes
Back Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.245	0.129	-0.18	17.70	23.50	0.931	Yes
Left Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.015	0.009	-0.10	17.70	23.50	0.055	Yes
Right Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.034	0.017	-0.11	17.70	23.50	0.129	Yes
Bottom Side	10mm	20175/1732.5	20M QPSK 50%RB#0	0.464	0.242	0.03	17.70	23.50	1.764	No
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.482	0.253	0.10	17.76	24.50	2.275	No
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.436	0.220	-0.06	17.76	23.50	1.635	No
LYA-L0C Test at the worst case (Second Antenna)										
Back Side	10mm	20050/1720	20M QPSK 50%RB#50	0.133	0.070	-0.19	18.35	21.00	0.245	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	**0.560**	0.297	-0.04	17.10	24.50	3.077	No

Table 175: Product Specific 10-g SAR test reduction evaluation of LTE Band 4

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Back Side, Bottom Side(Main antenna)

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Main Antenna											
Back Side	0mm	20300/1745	20M QPSK 1RB#0	2.740	1.300	0.17	20.18	21.00	1.570	Battery 1#	/
Bottom Side	0mm	20300/1745	20M QPSK 1RB#0	4.730	2.060	0.10	20.18	21.00	2.488	Battery 1#	/
Bottom Side	0mm	20050/1720	20M QPSK 1RB#99	4.700	1.930	-0.19	19.97	21.00	2.447	Battery 1#	/
Bottom Side	0mm	20175/1732.5	20M QPSK 1RB#50	4.380	1.800	-0.14	20.08	21.00	2.225	Battery 1#	/
Back Side	0mm	20175/1732.5	20M QPSK 50%RB#50	2.630	1.260	0.18	20.01	21.00	1.583	Battery 1#	/
Bottom Side	0mm	20175/1732.5	20M QPSK 50%RB#50	4.750	1.940	-0.10	20.01	21.00	2.437	Battery 1#	/
Bottom Side	0mm	20050/1720	20M QPSK 50%RB#25	4.650	1.990	-0.15	19.83	21.00	2.605	Battery 1#	/
Bottom Side	0mm	20300/1745	20M QPSK 50%RB#50	4.770	1.950	-0.11	19.91	21.00	2.506	Battery 1#	/
Bottom Side	0mm	20300/1745	20M QPSK 100%RB#0	4.860	1.980	-0.12	19.99	21.00	2.498	Battery 1#	/
Bottom Side	0mm	20050/1720	20M QPSK 50%RB#25	5.510	**2.330**	-0.18	19.83	21.00	**3.050**	Battery 2#	/
Bottom Side Repeated	0mm	20050/1720	20M QPSK 50%RB#25	4.980	2.110	-0.11	19.83	21.00	2.762	Battery 2#	/
Bottom Side	0mm	20050/1720	20M QPSK 50%RB#25	5.080	2.160	-0.11	19.83	21.00	2.828	With SIM2	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Back Side	4mm	20300/1745	20M QPSK 1RB#0	4.020	1.900	-0.15	23.45	24.50	2.420	Battery 1#	/
Back Side	4mm	20050/1720	20M QPSK 1RB#0	3.170	1.370	-0.16	23.41	24.50	1.761	Battery 1#	/
Back Side	4mm	20175/1732.5	20M QPSK 1RB#50	2.830	1.200	-0.08	23.38	24.50	1.553	Battery 1#	/
Bottom Side	8mm	20300/1745	20M QPSK 1RB#0	4.260	2.010	-0.11	23.45	24.50	2.560	Battery 1#	/
Bottom Side	8mm	20050/1720	20M QPSK 1RB#0	3.250	1.480	-0.09	23.41	24.50	1.902	Battery 1#	/
Bottom Side	8mm	20175/1732.5	20M QPSK 1RB#50	3.220	1.470	-0.09	23.38	24.50	1.902	Battery 1#	/
Back Side	4mm	20175/1732.5	20M QPSK 50%RB#0	2.070	0.974	-0.07	22.47	23.50	1.235	Battery 1#	/
Bottom Side	8mm	20175/1732.5	20M QPSK 50%RB#0	2.420	1.130	0.06	22.47	23.50	1.432	Battery 1#	/
Back Side	4mm	20175/1732.5	20M QPSK 100%RB#0	3.650	1.750	-0.18	22.41	23.50	2.249	Battery 1#	/
Bottom Side	8mm	20175/1732.5	20M QPSK 100%RB#0	2.450	1.150	0.07	22.41	23.50	1.478	Battery 1#	/
LYA-L0C Test at the worst case (Main Antenna)											
Bottom Side	0mm	20050/1720	20M QPSK 50%RB#25	3.530	1.490	0.11	18.46	19.50	1.893	Battery 2#	Yes

Table 176: Product Specific 10-g SAR SAR test results of LTE Band 4

7.2.8 SAR measurement Result of LTE Band 5

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Left cheek	20525/836.5	10M QPSK 1RB#0	0.318	0.171	0.18	18.99	20.00	0.401	Battery 1#	/
Left tilt	20525/836.5	10M QPSK 1RB#0	0.236	0.147	-0.16	18.99	20.00	0.298	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 1RB#0	0.283	0.170	-0.03	18.99	20.00	0.357	Battery 1#	/
Right tilt	20525/836.5	10M QPSK 1RB#0	0.197	0.127	0.03	18.99	20.00	0.249	Battery 1#	/
Left cheek	20450/829	10M QPSK 50%RB#25	0.305	0.191	-0.15	18.99	20.00	0.385	Battery 1#	/
Left tilt	20450/829	10M QPSK 50%RB#25	0.222	0.138	-0.04	18.99	20.00	0.280	Battery 1#	/
Right cheek	20450/829	10M QPSK 50%RB#25	0.234	0.158	0.09	18.99	20.00	0.295	Battery 1#	/
Right tilt	20450/829	10M QPSK 50%RB#25	0.184	0.119	0.06	18.99	20.00	0.232	Battery 1#	/
Left cheek	20525/836.5	10M QPSK 1RB#0	0.324	0.177	0.14	18.99	20.00	0.409	Battery 2#	/
Left cheek	20525/836.5	10M QPSK 1RB#0	0.320	0.171	-0.05	18.99	20.00	0.404	With SIM2	/
Left cheek	20450/829	10M QPSK 1RB#49	0.300	0.186	-0.12	18.89	20.00	0.387	Battery 2#	/
Left cheek	20600/844	10M QPSK 1RB#0	**0.385**	0.206	0.14	18.73	20.00	**0.516**	Battery 2#	/
Main Antenna										
Left cheek	20450/829	10M QPSK 1RB#25	0.128	0.089	-0.16	23.97	25.00	0.162	Battery 1#	/
Left tilt	20450/829	10M QPSK 1RB#25	0.076	0.056	-0.18	23.97	25.00	0.097	Battery 1#	/
Right cheek	20450/829	10M QPSK 1RB#25	0.185	0.145	-0.03	23.97	25.00	0.235	Battery 1#	/
Right tilt	20450/829	10M QPSK 1RB#25	0.072	0.051	-0.15	23.97	25.00	0.092	Battery 1#	/
Left cheek	20450/829	10M QPSK 50%RB#25	0.108	0.075	-0.11	22.90	24.00	0.139	Battery 1#	/
Left tilt	20450/829	10M QPSK 50%RB#25	0.060	0.047	-0.17	22.90	24.00	0.078	Battery 1#	/
Right cheek	20450/829	10M QPSK 50%RB#25	0.171	0.117	-0.17	22.90	24.00	0.220	Battery 1#	/
Right tilt	20450/829	10M QPSK 50%RB#25	0.062	0.044	-0.15	22.90	24.00	0.080	Battery 1#	/
Right cheek	20450/829	10M QPSK 1RB#25	0.178	0.137	-0.14	23.97	25.00	0.226	Battery 2#	/
Right cheek	20450/829	10M QPSK 1RB#25	0.142	0.097	-0.19	23.97	25.00	0.180	With SIM2	/
Right cheek	20525/836.5	10M QPSK 1RB#0	0.164	0.113	-0.14	23.89	25.00	0.212	Battery 1#	/
Right cheek	20600/844	10M QPSK 1RB#49	**0**.222	0.174	0.03	23.76	25.00	0.295	Battery 1#	/
LYA-L0C Test at the worst case (Second Antenna)										
Left cheek	20600/844	10M QPSK 1RB#0	0.364	0.201	-0.14	18.73	20.00	0.488	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Right cheek	20600/844	10M QPSK 1RB#49	**0.234**	0.183	-0.10	23.76	25.00	**0.311**	Battery 1#	Yes

Table 177: Head SAR test results of LTE Band 5

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	20450/829	10M QPSK 1RB#49	0.102	0.074	-0.15	23.44	24.50	0.130	Battery 1#	/
Back Side	15mm	20450/829	10M QPSK 1RB#49	0.096	0.065	-0.14	23.44	24.50	0.122	Battery 1#	/
Front Side	15mm	20450/829	10M QPSK 50%RB#13	0.114	0.083	-0.09	22.40	23.50	0.147	Battery 1#	/
Back Side	15mm	20450/829	10M QPSK 50%RB#13	0.107	0.073	-0.17	22.40	23.50	0.138	Battery 1#	/
Front Side	15mm	20450/829	10M QPSK 50%RB#13	**0.133**	0.095	-0.04	22.40	23.50	**0.171**	Battery 2#	/
Front Side	15mm	20450/829	10M QPSK 50%RB#13	0.107	0.073	-0.07	22.40	23.50	0.138	With SIM2	/
Main Antenna											
Front Side	15mm	20450/829	10M QPSK 1RB#25	0.167	0.117	-0.18	23.97	25.00	0.212	Battery 1#	/
Back Side	15mm	20450/829	10M QPSK 1RB#25	0.219	0.161	-0.08	23.97	25.00	0.278	Battery 1#	/
Front Side	15mm	20450/829	10M QPSK 50%RB#25	0.146	0.101	-0.16	22.90	24.00	0.188	Battery 1#	/
Back Side	15mm	20450/829	10M QPSK 50%RB#25	0.184	0.125	-0.10	22.90	24.00	0.237	Battery 1#	/
Back Side	15mm	20450/829	10M QPSK 1RB#25	**0.223**	0.164	-0.07	23.97	25.00	**0.283**	Battery 2#	/
Back Side	15mm	20450/829	10M QPSK 1RB#25	0.200	0.137	-0.10	23.97	25.00	0.254	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Front Side	15mm	20450/829	10M QPSK 50%RB#13	0.120	0.087	-0.10	22.40	23.50	0.155	Battery 2#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	20450/829	10M QPSK 1RB#25	0.211	0.156	-0.05	23.97	25.00	0.267	Battery 2#	Yes

Table 178: Body-Worn SAR test results of LTE Band 5

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	20450/829	10M QPSK 1RB#49	0.195	0.127	-0.12	23.44	24.50	0.249	Battery 1#	/
Back Side	10mm	20450/829	10M QPSK 1RB#49	0.183	0.109	-0.12	23.44	24.50	0.234	Battery 1#	/
Left Side	10mm	20450/829	10M QPSK 1RB#49	0.141	0.094	-0.04	23.44	24.50	0.180	Battery 1#	/
Right Side	10mm	20450/829	10M QPSK 1RB#49	0.025	0.017	-0.15	23.44	24.50	0.032	Battery 1#	/
Top Side	10mm	20450/829	10M QPSK 1RB#49	0.103	0.102	0.08	23.44	24.50	0.131	Battery 1#	/
Front Side	10mm	20450/829	10M QPSK 50%RB#13	**0.214**	0.124	-0.09	22.40	23.50	**0.276**	Battery 1#	/
Back Side	10mm	20450/829	10M QPSK 50%RB#13	0.200	0.120	-0.12	22.40	23.50	0.258	Battery 1#	/
Left Side	10mm	20450/829	10M QPSK 50%RB#13	0.136	0.091	-0.04	22.40	23.50	0.175	Battery 1#	/
Right Side	10mm	20450/829	10M QPSK 50%RB#13	0.030	0.020	-0.18	22.40	23.50	0.038	Battery 1#	/
Top Side	10mm	20450/829	10M QPSK 50%RB#13	0.119	0.062	0.03	22.40	23.50	0.153	Battery 1#	/
Front Side	10mm	20450/829	10M QPSK 50%RB#13	0.192	0.111	-0.07	22.40	23.50	0.247	Battery 2#	/
Front Side	10mm	20450/829	10M QPSK 50%RB#13	0.174	0.102	-0.11	22.40	23.50	0.224	With SIM2	/
Main Antenna											
Front Side	10mm	20450/829	10M QPSK 1RB#25	0.265	0.182	-0.18	23.97	25.00	0.336	Battery 1#	/
Back Side	10mm	20450/829	10M QPSK 1RB#25	**0.361**	0.218	0.00	23.97	25.00	**0.458**	Battery 1#	/
Left Side	10mm	20450/829	10M QPSK 1RB#25	0.085	0.057	-0.17	23.97	25.00	0.107	Battery 1#	/
Right Side	10mm	20450/829	10M QPSK 1RB#25	0.273	0.183	-0.08	23.97	25.00	0.346	Battery 1#	/
Bottom Side	10mm	20450/829	10M QPSK 1RB#25	0.166	0.083	0.18	23.97	25.00	0.210	Battery 1#	/
Front Side	10mm	20450/829	10M QPSK 50%RB#25	0.227	0.155	-0.16	22.90	24.00	0.292	Battery 1#	/
Back Side	10mm	20450/829	10M QPSK 50%RB#25	0.338	0.209	-0.03	22.90	24.00	0.435	Battery 1#	/
Left Side	10mm	20450/829	10M QPSK 50%RB#25	0.073	0.049	-0.15	22.90	24.00	0.094	Battery 1#	/
Right Side	10mm	20450/829	10M QPSK 50%RB#25	0.235	0.158	-0.09	22.90	24.00	0.303	Battery 1#	/
Bottom Side	10mm	20450/829	10M QPSK 50%RB#25	0.147	0.074	0.14	22.90	24.00	0.189	Battery 1#	/
Back Side	10mm	20450/829	10M QPSK 1RB#25	0.335	0.203	-0.03	23.97	25.00	0.425	Battery 2#	/
Back Side	10mm	20450/829	10M QPSK 1RB#25	0.331	0.201	-0.07	23.97	25.00	0.420	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Front Side	10mm	20450/829	10M QPSK 50%RB#13	0.191	0.111	-0.16	22.40	23.50	0.246	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	10mm	20450/829	10M QPSK 1RB#25	0.319	0.194	0.02	23.97	25.00	0.404	Battery 1#	Yes

Table 179: Hotspot SAR test results of LTE Band 5

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.9 SAR measurement Result of LTE Band 7

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	20850/2510	20M QPSK 1RB#99	0.198	0.090	0.16	11.82	13.00	0.260	Battery 1#	/
Left tilt	20850/2510	20M QPSK 1RB#99	0.234	0.105	-0.08	11.82	13.00	0.307	Battery 1#	/
Right cheek	20850/2510	20M QPSK 1RB#99	0.307	0.125	-0.17	11.82	13.00	0.403	Battery 1#	/
Right tilt	20850/2510	20M QPSK 1RB#99	0.349	0.160	-0.05	11.82	13.00	0.458	Battery 1#	/
Left cheek	20850/2510	20M QPSK 50%RB#0	0.171	0.083	0.08	11.75	13.00	0.228	Battery 1#	/
Left tilt	20850/2510	20M QPSK 50%RB#0	0.220	0.099	0.03	11.75	13.00	0.293	Battery 1#	/
Right cheek	20850/2510	20M QPSK 50%RB#0	0.277	0.137	-0.09	11.75	13.00	0.369	Battery 1#	/
Right tilt	20850/2510	20M QPSK 50%RB#0	**0.393**	0.159	-0.11	11.75	13.00	**0.524**	Battery 1#	Yes
Right tilt	20850/2510	20M QPSK 50%RB#0	0.370	0.149	-0.06	11.75	13.00	0.493	Battery 2#	/
Right tilt	21100/2535	20M QPSK 50%RB#25	0.307	0.144	-0.06	11.63	13.00	0.421	Battery 1#	/
Right tilt	21350/2560	20M QPSK 50%RB#0	0.311	0.148	-0.10	11.62	13.00	0.427	Battery 1#	/
Right tilt	21100/2535 (PCC)	20M QPSK 1RB#99	0.326	0.159	-0.18	11.64	13.00	0.446	Battery 1#	/
	21298/2554.8 (SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	20850/2510	20M QPSK 1RB#0	0.062	0.031	0.08	23.58	24.50	0.077	Battery 1#	/
Left tilt	20850/2510	20M QPSK 1RB#0	0.070	0.035	0.13	23.58	24.50	0.086	Battery 1#	/
Right cheek	20850/2510	20M QPSK 1RB#0	0.098	0.056	0.08	23.58	24.50	0.121	Battery 1#	/
Right tilt	20850/2510	20M QPSK 1RB#0	0.043	0.022	0.08	23.58	24.50	0.053	Battery 1#	/
Left cheek	20850/2510	20M QPSK 50%RB#0	0.050	0.026	-0.02	22.67	23.50	0.061	Battery 1#	/
Left tilt	20850/2510	20M QPSK 50%RB#0	0.056	0.028	-0.13	22.67	23.50	0.068	Battery 1#	/
Right cheek	20850/2510	20M QPSK 50%RB#0	0.087	0.049	0.00	22.67	23.50	0.105	Battery 1#	/
Right tilt	20850/2510	20M QPSK 50%RB#0	0.033	0.017	-0.11	22.67	23.50	0.040	Battery 1#	/
Right cheek	20850/2510	20M QPSK 1RB#0	0.101	0.058	0.05	23.58	24.50	0.125	Battery 2#	/
Right cheek	21100/2535	20M QPSK 1RB#50	0.090	0.024	-0.02	23.56	24.50	0.112	Battery 2#	/
Right cheek	21350/2560	20M QPSK 1RB#0	**0.128**	0.073	0.18	23.48	24.50	**0.162**	Battery 2#	Yes
Right cheek	20850/2510 (PCC)	20M QPSK 1RB#99	0.093	0.051	-0.02	23.51	24.50	0.117	Battery 2#	/
	21048/2529.8 (SCC)	20M QPSK 1RB#0								

Table 180: Head SAR test results of LTE Band 7

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	20850/2510	20M QPSK 1RB#0	0.093	0.050	0.00	17.77	19.00	0.123	Battery 1#	/
Back Side	15mm	20850/2510	20M QPSK 1RB#0	0.123	0.067	0.00	17.77	19.00	0.163	Battery 1#	/
Front Side	15mm	20850/2510	20M QPSK 50%RB#0	0.092	0.050	0.15	17.68	19.00	0.125	Battery 1#	/
Back Side	15mm	20850/2510	20M QPSK 50%RB#0	0.120	0.065	-0.16	17.68	19.00	0.163	Battery 1#	/
Back Side	15mm	20850/2510	20M QPSK 1RB#0	0.109	0.059	-0.14	17.77	19.00	0.145	Battery 2#	/
Back Side	15mm	21100/2535 (PCC)	20M QPSK 1RB#99	**0.137**	0.073	-0.19	17.68	19.00	0.186	Battery 1#	Yes
		21298/2554.8 (SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	15mm	20850/2510	20M QPSK 1RB#0	**0.347**	0.195	-0.01	23.58	24.50	0.429	Battery 1#	Yes
Back Side	15mm	20850/2510	20M QPSK 1RB#0	0.196	0.111	-0.15	23.58	24.50	0.242	Battery 1#	/
Front Side	15mm	20850/2510	20M QPSK 50%RB#0	0.228	0.129	-0.16	22.67	23.50	0.276	Battery 1#	/
Back Side	15mm	20850/2510	20M QPSK 50%RB#0	0.196	0.111	0.10	22.67	23.50	0.237	Battery 1#	/
Front Side	15mm	20850/2510	20M QPSK 1RB#0	0.341	0.192	-0.17	23.58	24.50	0.421	Battery 2#	/
Front Side	15mm	21100/2535 (PCC)	20M QPSK 1RB#0	0.343	0.189	-0.06	23.51	24.50	0.431	Battery 2#	/
		20902/2515.2 (SCC)	20M QPSK 1RB#99								

Table 181: Body-Worn SAR test results of LTE Band 7

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	20850/2510	20M QPSK 1RB#0	0.227	0.112	0.06	17.77	19.00	0.301	Battery 1#	/
Back Side	10mm	20850/2510	20M QPSK 1RB#0	0.252	0.126	0.08	17.77	19.00	0.335	Battery 1#	/
Left Side	10mm	20850/2510	20M QPSK 1RB#0	0.124	0.058	-0.19	17.77	19.00	0.165	Battery 1#	/
Right Side	10mm	20850/2510	20M QPSK 1RB#0	0.055	0.026	-0.11	17.77	19.00	0.072	Battery 1#	/
Top Side	10mm	20850/2510	20M QPSK 1RB#0	0.417	0.206	0.02	17.77	19.00	0.554	Battery 1#	/
Front Side	10mm	20850/2510	20M QPSK 50%RB#0	0.206	0.103	0.05	17.68	19.00	0.279	Battery 1#	/
Back Side	10mm	20850/2510	20M QPSK 50%RB#0	0.246	0.121	0.02	17.68	19.00	0.333	Battery 1#	/
Left Side	10mm	20850/2510	20M QPSK 50%RB#0	0.138	0.065	0.13	17.68	19.00	0.187	Battery 1#	/
Right Side	10mm	20850/2510	20M QPSK 50%RB#0	0.036	0.020	-0.16	17.68	19.00	0.049	Battery 1#	/
Top Side	10mm	20850/2510	20M QPSK 50%RB#0	0.407	0.193	0.19	17.68	19.00	0.552	Battery 1#	/
Top Side	10mm	20850/2510	20M QPSK 1RB#0	0.447	0.217	-0.05	17.77	19.00	0.593	Battery 2#	/
Top Side	10mm	21100/2535 (PCC)	20M QPSK 1RB#99	**0.652**	0.314	-0.01	17.68	19.00	**0.884**	Battery 2#	Yes
		21298/2554.8 (SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	10mm	20850/2510	20M QPSK 1RB#0	**0.651**	0.354	-0.16	21.07	22.00	**0.806**	Battery 1#	Yes
Front Side	10mm	21100/2535	20M QPSK 1RB#50	0.614	0.331	0.05	21.04	22.00	0.766	Battery 1#	/
Front Side	10mm	21350/2560	20M QPSK 1RB#50	0.517	0.276	-0.19	20.96	22.00	0.657	Battery 1#	/
Back Side	10mm	20850/2510	20M QPSK 1RB#0	0.561	0.306	0.16	21.07	22.00	0.695	Battery 1#	/
Left Side	10mm	20850/2510	20M QPSK 1RB#0	0.104	0.047	-0.01	21.07	22.00	0.129	Battery 1#	/
Right Side	10mm	20850/2510	20M QPSK 1RB#0	0.016	0.008	0.05	21.07	22.00	0.019	Battery 1#	/
Bottom Side	10mm	20850/2510	20M QPSK 1RB#0	0.238	0.124	-0.08	21.07	22.00	0.295	Battery 1#	/
Front Side	10mm	20850/2510	20M QPSK 50%RB#25	0.522	0.284	-0.18	21.20	22.00	0.628	Battery 1#	/
Back Side	10mm	20850/2510	20M QPSK 50%RB#25	0.458	0.250	0.16	21.20	22.00	0.551	Battery 1#	/
Left Side	10mm	20850/2510	20M QPSK 50%RB#25	0.105	0.047	-0.03	21.20	22.00	0.126	Battery 1#	/
Right Side	10mm	20850/2510	20M QPSK 50%RB#25	0.019	0.009	-0.16	21.20	22.00	0.023	Battery 1#	/
Bottom Side	10mm	20850/2510	20M QPSK 50%RB#25	0.231	0.122	-0.12	21.20	22.00	0.278	Battery 1#	/
Front Side	10mm	20850/2510	20M QPSK 100%RB#0	0.560	0.298	-0.13	21.14	22.00	0.683	Battery 1#	/
Front Side	10mm	20850/2510	20M QPSK 1RB#0	0.566	0.299	-0.13	21.07	22.00	0.701	Battery 2#	/
Front Side	10mm	20850/2510 (PCC)	20M QPSK 1RB#99	0.513	0.269	0.10	21.05	22.00	0.638	Battery 1#	/
		21048/2529.8 (SCC)	20M QPSK 1RB#0								

Table 182: Hotspot SAR test results of LTE Band 7

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Main Antenna										
Front Side	10mm	20850/2510	20M QPSK 1RB#0	**0.651**	0.354	-0.16	21.07	24.50	1.434	No
Front Side	10mm	21100/2535	20M QPSK 1RB#50	0.614	0.331	0.05	21.04	24.50	1.362	No
Front Side	10mm	21350/2560	20M QPSK 1RB#50	0.517	0.276	-0.19	20.96	24.50	1.168	Yes
Back Side	10mm	20850/2510	20M QPSK 1RB#0	0.561	0.306	0.16	21.07	24.50	1.236	No
Left Side	10mm	20850/2510	20M QPSK 1RB#0	0.104	0.047	-0.01	21.07	24.50	0.229	Yes
Right Side	10mm	20850/2510	20M QPSK 1RB#0	0.016	0.008	0.05	21.07	24.50	0.034	Yes
Bottom Side	10mm	20850/2510	20M QPSK 1RB#0	0.238	0.124	-0.08	21.07	24.50	0.524	Yes
Front Side	10mm	20850/2510	20M QPSK 50%RB#25	0.522	0.284	-0.18	21.20	24.50	1.116	Yes
Back Side	10mm	20850/2510	20M QPSK 50%RB#25	0.458	0.250	0.16	21.20	24.50	0.979	Yes
Left Side	10mm	20850/2510	20M QPSK 50%RB#25	0.105	0.047	-0.03	21.20	24.50	0.224	Yes
Right Side	10mm	20850/2510	20M QPSK 50%RB#25	0.019	0.009	-0.16	21.20	24.50	0.041	Yes
Bottom Side	10mm	20850/2510	20M QPSK 50%RB#25	0.231	0.122	-0.12	21.20	24.50	0.494	Yes
Front Side	10mm	20850/2510	20M QPSK 100%RB#0	0.560	0.298	-0.13	21.14	24.50	1.214	No
Front Side	10mm	20850/2510	20M QPSK 1RB#0	0.566	0.299	-0.13	21.07	24.50	1.247	No
Front Side	10mm	20850/2510 (PCC) 21048/2529.8 (SCC)	20M QPSK 1RB#99	0.513	0.269	0.10	21.05	24.50	1.135	Yes

Table 183: Product Specific 10-g SAR test reduction evaluation of LTE Band 7

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Front Side and Back side (Main antenna)

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	0mm	20850/2510	20M QPSK 1RB#0	1.950	0.817	0.00	20.11	21.00	1.003	Battery 1#	/
Back Side	0mm	20850/2510	20M QPSK 1RB#0	1.730	0.807	0.13	20.11	21.00	0.991	Battery 1#	/
Front Side	0mm	20850/2510	20M QPSK 50%RB#25	2.050	**0.847**	-0.14	20.20	21.00	**1.018**	Battery 1#	Yes
Back Side	0mm	20850/2510	20M QPSK 50%RB#25	1.750	0.807	-0.03	20.20	21.00	0.970	Battery 1#	/
Front Side	0mm	20850/2510	20M QPSK 50%RB#25	2.040	0.845	-0.17	20.20	21.00	1.016	Battery 2#	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Front Side	3mm	20850/2510	20M QPSK 1RB#0	1.380	0.679	-0.06	21.58	22.50	0.839	Battery 1#	/
Back Side	4mm	20850/2510	20M QPSK 1RB#0	0.879	0.474	-0.04	21.58	22.50	0.586	Battery 1#	/
Front Side	10mm	20850/2510	20M QPSK 1RB#0	0.530	0.286	-0.14	23.58	24.50	0.353	Battery 1#	/
Back Side	11mm	20850/2510	20M QPSK 1RB#0	0.567	0.306	0.11	23.58	24.50	0.378	Battery 1#	/

Table 184: Product Specific 10-g SAR SAR test results of LTE Band 7

7.2.10 SAR measurement Result of LTE Band 12

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Left cheek	23095/707.5	10M QPSK 1RB#0	**0.428**	0.223	-0.07	19.68	20.50	0.517	Battery 1#	/
Left tilt	23095/707.5	10M QPSK 1RB#0	0.317	0.204	-0.08	19.68	20.50	0.383	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 1RB#0	0.330	0.176	0.03	19.68	20.50	0.399	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 1RB#0	0.289	0.187	0.11	19.68	20.50	0.349	Battery 1#	/
Left cheek	23095/707.5	10M QPSK 50%RB#0	0.350	0.222	-0.04	19.61	20.50	0.430	Battery 1#	/
Left tilt	23095/707.5	10M QPSK 50%RB#0	0.259	0.166	-0.02	19.61	20.50	0.318	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 50%RB#0	0.342	0.182	0.05	19.61	20.50	0.420	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 50%RB#0	0.274	0.178	-0.09	19.61	20.50	0.336	Battery 1#	/
Left cheek	23095/707.5	10M QPSK 1RB#0	0.355	0.185	-0.05	19.68	20.50	0.429	Battery 2#	/
Left cheek	23095/707.5	10M QPSK 1RB#0	0.340	0.182	-0.04	19.68	20.50	0.411	With SIM2	/
Left cheek	23060/704	10M QPSK 1RB#0	0.427	0.222	-0.07	19.43	20.50	**0.546**	Battery 1#	/
Left cheek	23130/711	10M QPSK 1RB#0	0.350	0.223	-0.04	19.55	20.50	0.436	Battery 1#	/
Main Antenna										
Left cheek	23130/711	10M QPSK 1RB#25	0.099	0.079	-0.04	23.91	25.00	0.128	Battery 1#	/
Left tilt	23130/711	10M QPSK 1RB#25	0.068	0.043	-0.15	23.91	25.00	0.087	Battery 1#	/
Right cheek	23130/711	10M QPSK 1RB#25	**0.126**	0.099	-0.06	23.91	25.00	**0.162**	Battery 1#	/
Right tilt	23130/711	10M QPSK 1RB#25	0.056	0.035	-0.12	23.91	25.00	0.072	Battery 1#	/
Left cheek	23130/711	10M QPSK 50%RB#0	0.074	0.052	0.09	22.92	24.00	0.095	Battery 1#	/
Left tilt	23130/711	10M QPSK 50%RB#0	0.054	0.034	-0.13	22.92	24.00	0.069	Battery 1#	/
Right cheek	23130/711	10M QPSK 50%RB#0	0.102	0.080	-0.05	22.92	24.00	0.131	Battery 1#	/
Right tilt	23130/711	10M QPSK 50%RB#0	0.046	0.029	-0.06	22.92	24.00	0.059	Battery 1#	/
Right cheek	23130/711	10M QPSK 1RB#25	0.111	0.088	0.03	23.91	25.00	0.143	Battery 2#	/
Right cheek	23130/711	10M QPSK 1RB#25	0.111	0.088	-0.19	23.91	25.00	0.143	With SIM2	/
Right cheek	23060/704	10M QPSK 1RB#0	0.105	0.073	-0.12	23.89	25.00	0.136	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 1RB#25	0.111	0.087	-0.18	23.86	25.00	0.144	Battery 1#	/
LYA-L0C Test at the worst case (Second Antenna)										
Left cheek	23060/704	10M QPSK 1RB#0	0.324	0.176	-0.13	19.43	20.50	0.415	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Right cheek	23130/711	10M QPSK 1RB#25	0.109	0.087	-0.18	23.91	25.00	0.140	Battery 1#	Yes

Table 185: Head SAR test results of LTE Band 12

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	23095/707.5	10M QPSK 1RB#0	**0.154**	0.111	-0.12	23.64	24.50	**0.188**	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 1RB#0	0.139	0.100	-0.13	23.64	24.50	0.169	Battery 1#	/
Front Side	15mm	23095/707.5	10M QPSK 50%RB#13	0.114	0.080	-0.10	22.52	23.50	0.143	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 50%RB#13	0.110	0.079	-0.15	22.52	23.50	0.138	Battery 1#	/
Front Side	15mm	23095/707.5	10M QPSK 1RB#0	0.135	0.109	-0.11	23.64	24.50	0.165	Battery 2#	/
Front Side	15mm	23095/707.5	10M QPSK 1RB#0	0.137	0.099	-0.05	23.64	24.50	0.167	With SIM2	/
Main Antenna											
Front Side	15mm	23130/711	10M QPSK 1RB#25	0.154	0.111	-0.12	23.91	25.00	0.198	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#25	0.172	0.132	-0.13	23.91	25.00	0.221	Battery 1#	/
Front Side	15mm	23130/711	10M QPSK 50%RB#0	0.121	0.087	-0.08	22.92	24.00	0.155	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 50%RB#0	0.138	0.098	-0.09	22.92	24.00	0.177	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#25	**0.196**	0.150	-0.10	23.91	25.00	**0.252**	Battery 2#	/
Back Side	15mm	23130/711	10M QPSK 1RB#25	0.168	0.130	-0.16	23.91	25.00	0.216	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Front Side	15mm	23095/707.5	10M QPSK 1RB#0	0.139	0.101	-0.18	23.64	24.50	0.169	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	23130/711	10M QPSK 1RB#25	0.173	0.133	-0.12	23.91	25.00	0.222	Battery 2#	Yes

Table 186: Body-Worn SAR test results of LTE Band 12

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	23095/707.5	10M QPSK 1RB#0	0.332	0.211	-0.15	23.64	24.50	0.405	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	**0.355**	0.207	-0.14	23.64	24.50	**0.433**	Battery 1#	/
Left Side	10mm	23095/707.5	10M QPSK 1RB#0	0.165	0.112	-0.10	23.64	24.50	0.201	Battery 1#	/
Right Side	10mm	23095/707.5	10M QPSK 1RB#0	0.042	0.027	-0.16	23.64	24.50	0.051	Battery 1#	/
Top Side	10mm	23095/707.5	10M QPSK 1RB#0	0.210	0.105	-0.01	23.64	24.50	0.256	Battery 1#	/
Front Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.228	0.146	-0.13	22.52	23.50	0.286	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.218	0.142	-0.17	22.52	23.50	0.273	Battery 1#	/
Left Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.108	0.073	-0.12	22.52	23.50	0.135	Battery 1#	/
Right Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.030	0.019	-0.14	22.52	23.50	0.037	Battery 1#	/
Top Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.147	0.074	-0.04	22.52	23.50	0.184	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	0.238	0.140	-0.13	23.64	24.50	0.290	Battery 2#	/
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	0.253	0.150	-0.14	23.64	24.50	0.308	With SIM2	/
Main Antenna											
Front Side	10mm	23130/711	10M QPSK 1RB#25	0.225	0.167	-0.16	23.91	25.00	0.289	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#25	0.237	0.143	-0.09	23.91	25.00	0.305	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 1RB#25	0.105	0.072	-0.16	23.91	25.00	0.135	Battery 1#	/
Right Side	10mm	23130/711	10M QPSK 1RB#25	0.234	0.161	-0.11	23.91	25.00	0.301	Battery 1#	/
Bottom Side	10mm	23130/711	10M QPSK 1RB#25	0.111	0.064	-0.10	23.91	25.00	0.143	Battery 1#	/
Front Side	10mm	23130/711	10M QPSK 50%RB#0	0.177	0.122	-0.09	22.92	24.00	0.227	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 50%RB#0	0.212	0.148	-0.07	22.92	24.00	0.272	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 50%RB#0	0.090	0.061	-0.19	22.92	24.00	0.115	Battery 1#	/
Right Side	10mm	23130/711	10M QPSK 50%RB#0	0.195	0.134	-0.13	22.92	24.00	0.250	Battery 1#	/
Bottom Side	10mm	23130/711	10M QPSK 50%RB#0	0.092	0.053	-0.13	22.92	24.00	0.118	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#25	**0.254**	0.184	-0.18	23.91	25.00	**0.326**	Battery 2#	/
Back Side	10mm	23130/711	10M QPSK 1RB#25	0.201	0.120	-0.10	23.91	25.00	0.258	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	0.227	0.135	-0.18	23.64	24.50	0.277	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	10mm	23130/711	10M QPSK 1RB#25	0.230	0.170	-0.08	23.91	25.00	0.296	Battery 2#	Yes

Table 187: Hotspot SAR test results of LTE Band 12

7.2.11 SAR measurement Result of LTE Band 17

SAR for LTE Band 17 (Frequency range:704-716 MHz) is covered by LTE Band 12 (Frequency range:699-716 MHz) due to similar frequency range,same maximum tune up limit and same channel bandwidth.

7.2.12 SAR measurement Result of LTE Band 26

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Left cheek	26775/822.5	15M QPSK 1RB#38	0.369	0.207	0.02	19.09	20.00	0.455	Battery 1#	/
Left tilt	26775/822.5	15M QPSK 1RB#38	0.320	0.165	0.06	19.09	20.00	0.395	Battery 1#	/
Right cheek	26775/822.5	15M QPSK 1RB#38	0.417	0.235	-0.01	19.09	20.00	0.514	Battery 1#	/
Right tilt	26775/822.5	15M QPSK 1RB#38	0.303	0.186	0.18	19.09	20.00	0.374	Battery 1#	/
Left cheek	26865/831.5	15M QPSK 50%RB#18	0.385	0.241	0.07	19.15	20.00	0.468	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 50%RB#18	0.401	0.247	0.06	19.15	20.00	0.488	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 50%RB#18	**0.479**	0.262	0.01	19.15	20.00	**0.583**	Battery 1#	/
Right tilt	26865/831.5	15M QPSK 50%RB#18	0.338	0.165	0.01	19.15	20.00	0.411	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 50%RB#18	0.414	0.236	0.02	19.15	20.00	0.504	Battery 2#	/
Right cheek	26865/831.5	15M QPSK 50%RB#18	0.404	0.228	0.01	19.15	20.00	0.491	With SIM2	/
Right cheek	26775/822.5	15M QPSK 50%RB#0	0.381	0.242	-0.02	18.98	20.00	0.482	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 50%RB#18	0.374	0.240	-0.03	18.90	20.00	0.482	Battery 1#	/
Main Antenna										
Left cheek	26775/822.5	15M QPSK 1RB#38	0.105	0.073	0.11	24.01	25.00	0.132	Battery 1#	/
Left tilt	26775/822.5	15M QPSK 1RB#38	0.080	0.051	0.08	24.01	25.00	0.100	Battery 1#	/
Right cheek	26775/822.5	15M QPSK 1RB#38	0.149	0.115	0.19	24.01	25.00	0.187	Battery 1#	/
Right tilt	26775/822.5	15M QPSK 1RB#38	0.055	0.038	0.02	24.01	25.00	0.069	Battery 1#	/
Left cheek	26775/822.5	15M QPSK 50%RB#18	0.082	0.057	-0.10	23.01	24.00	0.103	Battery 1#	/
Left tilt	26775/822.5	15M QPSK 50%RB#18	0.018	0.011	0.13	23.01	24.00	0.023	Battery 1#	/
Right cheek	26775/822.5	15M QPSK 50%RB#18	0.108	0.075	0.13	23.01	24.00	0.136	Battery 1#	/
Right tilt	26775/822.5	15M QPSK 50%RB#18	0.045	0.032	0.12	23.01	24.00	0.057	Battery 1#	/
Right cheek	26775/822.5	15M QPSK 1RB#38	0.183	0.140	0.06	24.01	25.00	0.230	Battery 2#	/
Right cheek	26775/822.5	15M QPSK 1RB#38	0.165	0.114	0.03	24.01	25.00	0.207	With SIM2	/
Right cheek	26865/831.5	15M QPSK 1RB#38	0.106	0.127	0.06	23.95	25.00	0.135	Battery 2#	/
Right cheek	26965/841.5	15M QPSK 1RB#0	**0.234**	0.179	-0.18	23.89	25.00	**0.302**	Battery 2#	/
LYA-L0C Test at the worst case (Second Antenna)										
Right cheek	26865/831.5	15M QPSK 50%RB#18	0.315	0.192	-0.06	19.15	20.00	0.383	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Right cheek	26965/841.5	15M QPSK 1RB#0	0.151	0.118	0.07	23.89	25.00	0.195	Battery 2#	Yes

Table 188: Head SAR test results of LTE Band 26

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	26865/831.5	15M QPSK 1RB#0	0.111	0.080	0.09	23.55	24.50	0.138	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.103	0.076	-0.08	23.55	24.50	0.128	Battery 1#	/
Front Side	15mm	26865/831.5	15M QPSK 50%RB#0	**0.137**	0.093	0.02	22.60	23.50	**0.169**	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 50%RB#0	0.115	0.079	-0.07	22.60	23.50	0.141	Battery 1#	/
Front Side	15mm	26865/831.5	15M QPSK 50%RB#0	0.123	0.088	0.03	22.60	23.50	0.151	Battery 2#	/
Front Side	15mm	26865/831.5	15M QPSK 50%RB#0	0.118	0.085	-0.02	22.60	23.50	0.145	With SIM2	/
Main Antenna											
Front Side	15mm	26775/822.5	15M QPSK 1RB#38	0.169	0.126	-0.06	24.01	25.00	0.212	Battery 1#	/
Back Side	15mm	26775/822.5	15M QPSK 1RB#38	0.214	0.156	-0.01	24.01	25.00	0.269	Battery 1#	/
Front Side	15mm	26775/822.5	15M QPSK 50%RB#18	0.127	0.090	-0.19	23.01	24.00	0.160	Battery 1#	/
Back Side	15mm	26775/822.5	15M QPSK 50%RB#18	0.163	0.114	0.01	23.01	24.00	0.205	Battery 1#	/
Back Side	15mm	26775/822.5	15M QPSK 1RB#38	**0.251**	0.181	-0.02	24.01	25.00	**0.315**	Battery 2#	/
Back Side	15mm	26775/822.5	15M QPSK 1RB#38	0.208	0.152	-0.01	24.01	25.00	0.261	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Front Side	15mm	26865/831.5	15M QPSK 50%RB#0	0.118	0.085	-0.14	22.60	23.50	0.145	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	26775/822.5	15M QPSK 1RB#38	0.177	0.129	-0.19	24.01	25.00	0.222	Battery 2#	Yes

Table 189: Body-Worn SAR test results of LTE Band 26

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	**0.302**	0.169	-0.02	23.55	24.50	**0.376**	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.283	0.173	-0.06	23.55	24.50	0.352	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 1RB#0	0.175	0.117	-0.04	23.55	24.50	0.218	Battery 1#	/
Right Side	10mm	26865/831.5	15M QPSK 1RB#0	0.042	0.028	-0.04	23.55	24.50	0.052	Battery 1#	/
Top Side	10mm	26865/831.5	15M QPSK 1RB#0	0.229	0.109	0.15	23.55	24.50	0.285	Battery 1#	/
Front Side	10mm	26865/831.5	15M QPSK 50%RB#0	0.262	0.163	0.01	22.60	23.50	0.322	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#0	0.226	0.205	-0.04	22.60	23.50	0.278	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 50%RB#0	0.140	0.093	-0.03	22.60	23.50	0.172	Battery 1#	/
Right Side	10mm	26865/831.5	15M QPSK 50%RB#0	0.033	0.022	-0.14	22.60	23.50	0.040	Battery 1#	/
Top Side	10mm	26865/831.5	15M QPSK 50%RB#0	0.184	0.085	-0.03	22.60	23.50	0.226	Battery 1#	/
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.257	0.146	-0.01	23.55	24.50	0.320	Battery 2#	/
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.271	0.153	0.01	23.55	24.50	0.337	With SIM2	/
Main Antenna											
Front Side	10mm	26775/822.5	15M QPSK 1RB#38	0.220	0.143	-0.06	24.01	25.00	0.276	Battery 1#	/
Back Side	10mm	26775/822.5	15M QPSK 1RB#38	**0.322**	0.190	-0.01	24.01	25.00	**0.404**	Battery 1#	/
Left Side	10mm	26775/822.5	15M QPSK 1RB#38	0.074	0.049	-0.10	24.01	25.00	0.093	Battery 1#	/
Right Side	10mm	26775/822.5	15M QPSK 1RB#38	0.241	0.160	-0.02	24.01	25.00	0.303	Battery 1#	/
Bottom Side	10mm	26775/822.5	15M QPSK 1RB#38	0.178	0.089	0.18	24.01	25.00	0.224	Battery 1#	/
Front Side	10mm	26775/822.5	15M QPSK 50%RB#18	0.171	0.111	-0.07	23.01	24.00	0.215	Battery 1#	/
Back Side	10mm	26775/822.5	15M QPSK 50%RB#18	0.221	0.138	0.05	23.01	24.00	0.278	Battery 1#	/
Left Side	10mm	26775/822.5	15M QPSK 50%RB#18	0.060	0.039	-0.10	23.01	24.00	0.075	Battery 1#	/
Right Side	10mm	26775/822.5	15M QPSK 50%RB#18	0.199	0.133	-0.06	23.01	24.00	0.250	Battery 1#	/
Bottom Side	10mm	26775/822.5	15M QPSK 50%RB#18	0.115	0.064	0.19	23.01	24.00	0.144	Battery 1#	/
Back Side	10mm	26775/822.5	15M QPSK 1RB#38	0.291	0.173	0.00	24.01	25.00	0.366	Battery 2#	/
Back Side	10mm	26775/822.5	15M QPSK 1RB#38	0.274	0.164	0.00	24.01	25.00	0.344	With SIM2	/
LYA-L0C Test at the worst case (Second Antenna)											
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.212	0.124	-0.11	23.55	24.50	0.264	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	10mm	26775/822.5	15M QPSK 1RB#38	0.240	0.146	-0.15	24.01	25.00	0.301	Battery 2#	Yes

Table 190: Hotspot SAR test results of LTE Band 26

7.2.13 SAR measurement Result of LTE Band 38

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Left cheek	38150/2610	20M QPSK 1RB#50	0.158	0.076	0.05	13.91	14.50	0.181	Battery 1#	/
Left tilt	38150/2610	20M QPSK 1RB#50	0.199	0.095	-0.04	13.91	14.50	0.228	Battery 1#	/
Right cheek	38150/2610	20M QPSK 1RB#50	0.299	0.121	-0.07	13.91	14.50	0.343	Battery 1#	/
Right tilt	38150/2610	20M QPSK 1RB#50	**0.362**	0.145	0.04	13.91	14.50	**0.415**	Battery 1#	/
Left cheek	38150/2610	20M QPSK 50%RB#50	0.176	0.079	0.01	14.05	14.50	0.195	Battery 1#	/
Left tilt	38150/2610	20M QPSK 50%RB#50	0.220	0.098	-0.01	14.05	14.50	0.244	Battery 1#	/
Right cheek	38150/2610	20M QPSK 50%RB#50	0.305	0.122	0.18	14.05	14.50	0.338	Battery 1#	/
Right tilt	38150/2610	20M QPSK 50%RB#50	0.358	0.144	0.13	14.05	14.50	0.397	Battery 1#	/
Right tilt	38150/2610	20M QPSK 1RB#50	0.346	0.140	-0.02	13.91	14.50	0.396	Battery 2#	/
Right tilt	38150/2610	20M QPSK 1RB#50	0.349	0.141	0.00	13.91	14.50	0.400	With SIM2	/
Right tilt	37850/2580	20M QPSK 1RB#50	0.326	0.130	0.03	13.85	14.50	0.379	Battery 1#	/
Right tilt	38000/2595	20M QPSK 1RB#50	0.340	0.136	-0.04	13.88	14.50	0.392	Battery 1#	/
Left cheek	37901/2585.1(PCC)	20M QPSK 1RB#99	0.128	0.059	0.03	13.37	14.50	0.166	Battery 1#	/
	38099/2604.9(SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	38000/2595	20M QPSK 1RB#0	0.031	0.017	0.02	24.03	24.50	0.035	Battery 1#	/
Left tilt	38000/2595	20M QPSK 1RB#0	0.019	0.010	-0.17	24.03	24.50	0.021	Battery 1#	/
Right cheek	38000/2595	20M QPSK 1RB#0	0.044	0.025	-0.14	24.03	24.50	0.049	Battery 1#	/
Right tilt	38000/2595	20M QPSK 1RB#0	0.013	0.007	0.11	24.03	24.50	0.015	Battery 1#	/
Left cheek	38150/2610	20M QPSK 50%RB#25	0.020	0.011	0.02	23.02	23.50	0.023	Battery 1#	/
Left tilt	38150/2610	20M QPSK 50%RB#25	0.020	0.010	0.11	23.02	23.50	0.022	Battery 1#	/
Right cheek	38150/2610	20M QPSK 50%RB#25	0.027	0.015	0.02	23.02	23.50	0.030	Battery 1#	/
Right tilt	38150/2610	20M QPSK 50%RB#25	0.010	0.005	-0.03	23.02	23.50	0.011	Battery 1#	/
Right cheek	38000/2595	20M QPSK 1RB#0	0.028	0.016	0.14	24.03	24.50	0.031	Battery 2#	/
Right cheek	38000/2595	20M QPSK 1RB#0	0.040	0.022	0.16	24.03	24.50	0.045	With SIM2	/
Right cheek	37850/2580	20M QPSK 1RB#99	0.035	0.019	0.10	23.87	24.50	0.040	Battery 1#	/
Right cheek	38150/2610	20M QPSK 1RB#0	0.040	0.022	-0.15	24.01	24.50	0.044	Battery 1#	/
Right cheek	38099/2604.9(PCC)	20M QPSK 1RB#99	0.035	0.011	-0.15	23.55	24.50	0.043	Battery 1#	/
	37901/2585.1(SCC)	20M QPSK 1RB#0								
LYA-L0C Test at the worst case (Second Antenna)										
Right tilt	38150/2610	20M QPSK 1RB#50	0.327	0.133	0.13	13.91	14.50	0.375	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Right cheek	38000/2595	20M QPSK 1RB#0	**0.072**	0.040	-0.17	24.03	24.50	**0.081**	Battery 1#	Yes

Table 191: Head SAR test results of LTE Band 38

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	38150/2610	20M QPSK 1RB#0	0.123	0.063	0.17	20.41	21.00	**0.141**	Battery 1#	/
Back Side	15mm	38150/2610	20M QPSK 1RB#0	0.114	0.060	-0.18	20.41	21.00	0.131	Battery 1#	/
Front Side	15mm	38150/2610	20M QPSK 50%RB#0	**0.123**	0.065	0.16	20.43	21.00	0.140	Battery 1#	/
Back Side	15mm	38150/2610	20M QPSK 50%RB#0	0.109	0.057	0.14	20.43	21.00	0.124	Battery 1#	/
Front Side	15mm	38150/2610	20M QPSK 1RB#0	0.104	0.054	-0.06	20.41	21.00	0.119	Battery 2#	/
Front Side	15mm	38150/2610	20M QPSK 1RB#0	0.107	0.055	-0.02	20.41	21.00	0.123	With SIM2	/
Front Side	15mm	37901/2585.1(PCC)	20M QPSK 1RB#99	0.094	0.050	0.17	19.41	21.00	0.136	Battery 1#	/
		38099/2604.9(SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	15mm	38000/2595	20M QPSK 1RB#0	0.128	0.071	-0.13	24.03	24.50	0.143	Battery 1#	/
Back Side	15mm	38000/2595	20M QPSK 1RB#0	**0.146**	0.079	-0.15	24.03	24.50	**0.163**	Battery 1#	/
Front Side	15mm	38150/2610	20M QPSK 50%RB#25	0.119	0.060	-0.11	23.02	23.50	0.133	Battery 1#	/
Back Side	15mm	38150/2610	20M QPSK 50%RB#25	0.107	0.058	-0.13	23.02	23.50	0.120	Battery 1#	/
Back Side	15mm	38000/2595	20M QPSK 1RB#0	0.121	0.066	-0.18	24.03	24.50	0.135	Battery 2#	/
Back Side	15mm	38000/2595	20M QPSK 1RB#0	0.116	0.065	0.14	24.03	24.50	0.129	With SIM2	/
Back Side	15mm	38099/2604.9(PCC)	20M QPSK 1RB#99	0.128	0.071	0.17	23.55	24.50	0.159	Battery 1#	/
		37901/2585.1(SCC)	20M QPSK 1RB#0								
LYA-L0C Test at the worst case (Second Antenna)											
Front Side	15mm	38150/2610	20M QPSK 1RB#0	0.120	0.064	-0.06	20.41	21.00	0.137	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	38000/2595	20M QPSK 1RB#0	**0.162**	0.091	0.12	24.03	24.50	**0.181**	Battery 1#	Yes

Table 192: Body-Worn SAR test results of LTE Band 38

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	38150/2610	20M QPSK 1RB#0	0.122	0.061	-0.17	19.30	20.00	0.143	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 1RB#0	0.175	0.087	0.08	19.30	20.00	0.206	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 1RB#0	0.056	0.028	-0.12	19.30	20.00	0.065	Battery 1#	/
Right Side	10mm	38150/2610	20M QPSK 1RB#0	0.031	0.015	-0.12	19.30	20.00	0.037	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 1RB#0	0.444	0.219	-0.14	19.30	20.00	0.522	Battery 1#	/
Front Side	10mm	38150/2610	20M QPSK 50%RB#25	0.171	0.086	0.11	19.27	20.00	0.202	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 50%RB#25	0.247	0.121	0.04	19.27	20.00	0.292	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 50%RB#25	0.105	0.049	-0.12	19.27	20.00	0.124	Battery 1#	/
Right Side	10mm	38150/2610	20M QPSK 50%RB#25	0.038	0.019	0.03	19.27	20.00	0.045	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 50%RB#25	0.439	0.218	-0.02	19.27	20.00	0.519	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 1RB#0	0.358	0.174	-0.05	19.30	20.00	0.421	Battery 2#	/
Top Side	10mm	38150/2610	20M QPSK 1RB#0	0.370	0.186	-0.05	19.30	20.00	0.435	With SIM2	/
Top Side	10mm	38099/2604.9 (PCC) 37901/2585.1 (SCC)	20M QPSK 1RB#0 20M QPSK 1RB#99	0.364	0.141	0.12	19.54	20.00	0.405	Battery 1#	/
Main Antenna											
Front Side	10mm	38000/2595	20M QPSK 1RB#0	0.268	0.142	0.00	24.03	24.50	0.299	Battery 1#	/
Back Side	10mm	38000/2595	20M QPSK 1RB#0	**0.310**	0.164	0.14	24.03	24.50	**0.345**	Battery 1#	/
Left Side	10mm	38000/2595	20M QPSK 1RB#0	0.130	0.065	-0.07	24.03	24.50	0.145	Battery 1#	/
Right Side	10mm	38000/2595	20M QPSK 1RB#0	0.038	0.016	0.04	24.03	24.50	0.042	Battery 1#	/
Bottom Side	10mm	38000/2595	20M QPSK 1RB#0	0.292	0.159	-0.03	24.03	24.50	0.325	Battery 1#	/
Front Side	10mm	38150/2610	20M QPSK 50%RB#25	0.159	0.083	0.01	23.02	23.50	0.178	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 50%RB#25	0.219	0.118	-0.07	23.02	23.50	0.245	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 50%RB#25	0.085	0.042	-0.04	23.02	23.50	0.095	Battery 1#	/
Right Side	10mm	38150/2610	20M QPSK 50%RB#25	0.038	0.016	-0.04	23.02	23.50	0.042	Battery 1#	/
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#25	0.202	0.102	0.19	23.02	23.50	0.226	Battery 1#	/
Back Side	10mm	38000/2595	20M QPSK 1RB#0	0.262	0.142	0.15	24.03	24.50	0.292	Battery 2#	/
Back Side	10mm	38000/2595	20M QPSK 1RB#0	0.274	0.144	0.16	24.03	24.50	0.305	With SIM2	/
Back Side	10mm	38099/2604.9 (PCC) 37901/2585.1 (SCC)	20M QPSK 1RB#99 20M QPSK 1RB#0	0.259	0.139	-0.16	23.55	24.50	0.322	Battery 1#	/
LYA-L0C Test at the worst case (Second Antenna)											
Top Side	10mm	38150/2610	20M QPSK 1RB#0	**0.481**	0.234	0.12	19.30	20.00	**0.565**	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	10mm	38000/2595	20M QPSK 1RB#0	0.307	0.168	0.10	24.03	24.50	0.342	Battery 1#	Yes

Table 193: Hotspot SAR test results of LTE Band 38

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction

applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Front Side	10mm	38150/2610	20M QPSK 1RB#0	0.122	0.061	-0.17	19.30	21.00	0.180	Yes
Back Side	10mm	38150/2610	20M QPSK 1RB#0	0.175	0.087	0.08	19.30	21.00	0.259	Yes
Left Side	10mm	38150/2610	20M QPSK 1RB#0	0.056	0.028	-0.12	19.30	21.00	0.082	Yes
Right Side	10mm	38150/2610	20M QPSK 1RB#0	0.031	0.015	-0.12	19.30	21.00	0.046	Yes
Top Side	10mm	38150/2610	20M QPSK 1RB#0	**0.444**	0.219	-0.14	19.30	21.00	0.657	Yes
Front Side	10mm	38150/2610	20M QPSK 50%RB#25	0.171	0.086	0.11	19.27	21.00	0.255	Yes
Back Side	10mm	38150/2610	20M QPSK 50%RB#25	0.247	0.121	0.04	19.27	21.00	0.368	Yes
Left Side	10mm	38150/2610	20M QPSK 50%RB#25	0.105	0.049	-0.12	19.27	21.00	0.156	Yes
Right Side	10mm	38150/2610	20M QPSK 50%RB#25	0.038	0.019	0.03	19.27	21.00	0.057	Yes
Top Side	10mm	38150/2610	20M QPSK 50%RB#25	0.439	0.218	-0.02	19.27	21.00	0.654	Yes
Top Side	10mm	38150/2610	20M QPSK 1RB#0	0.358	0.174	-0.05	19.30	21.00	0.530	Yes
Top Side	10mm	38150/2610	20M QPSK 1RB#0	0.370	0.186	-0.05	19.30	21.00	0.547	Yes
Top Side	10mm	38099/2604.9 (PCC) 37901/2585.1 (SCC)	20M QPSK 1RB#0 20M QPSK 1RB#99	0.364	0.141	0.12	19.54	21.00	0.509	Yes
LYA-L0C Test at the worst case (Main Antenna)										
Top Side	10mm	38150/2610	20M QPSK 1RB#0	**0.481**	0.234	0.12	19.30	21.00	0.711	Yes

Table 194: Product Specific 10-g SAR test reduction evaluation of LTE Band 38

Note : According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

7.2.14 SAR measurement Result of LTE Band 41

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Left cheek	40840/2615	20M QPSK 1RB#99	0.153	0.077	-0.05	13.65	14.50	0.186	Battery 1#	/
Left tilt	40840/2615	20M QPSK 1RB#99	0.191	0.094	-0.16	13.65	14.50	0.232	Battery 1#	/
Right cheek	40840/2615	20M QPSK 1RB#99	0.273	0.119	-0.02	13.65	14.50	0.332	Battery 1#	/
Right tilt	40840/2615	20M QPSK 1RB#99	0.292	0.128	-0.08	13.65	14.50	0.355	Battery 1#	/
Left cheek	40840/2615	20M QPSK 50%RB#0	0.157	0.079	-0.07	13.90	14.50	0.180	Battery 1#	/
Left tilt	40840/2615	20M QPSK 50%RB#0	0.186	0.092	0.08	13.90	14.50	0.214	Battery 1#	/
Right cheek	40840/2615	20M QPSK 50%RB#0	0.225	0.113	-0.06	13.90	14.50	0.258	Battery 1#	/
Right tilt	40840/2615	20M QPSK 50%RB#0	0.249	0.121	-0.04	13.90	14.50	0.286	Battery 1#	/
Right tilt	40840/2615	20M QPSK 1RB#99	0.281	0.134	-0.05	13.65	14.50	0.342	Battery 2#	/
Right tilt	40840/2615	20M QPSK 1RB#99	0.284	0.134	0.12	13.65	14.50	0.345	With SIM2	/
Right tilt	40240/2555	20M QPSK 1RB#50	0.262	0.127	-0.06	13.60	14.50	0.322	Battery 1#	/
Right tilt	40540/2585	20M QPSK 1RB#0	0.274	0.131	-0.17	13.43	14.50	0.351	Battery 1#	/
Right tilt	41140/2645	20M QPSK 1RB#99	0.273	0.126	0.04	13.52	14.50	0.342	Battery 1#	/
Right cheek	40540/2585(PCC)	20M QPSK 1RB#99	**0.349**	0.154	-0.04	13.26	14.50	**0.464**	Battery 1#	/
	40738/2604.8(SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	40840/2615	20M QPSK 1RB#0	0.017	0.009	0.11	23.24	24.00	0.020	Battery 1#	/
Left tilt	40840/2615	20M QPSK 1RB#0	0.017	0.009	-0.02	23.24	24.00	0.020	Battery 1#	/
Right cheek	40840/2615	20M QPSK 1RB#0	0.040	0.024	0.17	23.24	24.00	0.048	Battery 1#	/
Right tilt	40840/2615	20M QPSK 1RB#0	0.012	0.007	0.10	23.24	24.00	0.014	Battery 1#	/
Left cheek	40840/2615	20M QPSK 50%RB#50	0.012	0.006	0.18	22.53	23.00	0.014	Battery 1#	/
Left tilt	40840/2615	20M QPSK 50%RB#50	0.013	0.007	0.06	22.53	23.00	0.015	Battery 1#	/
Right cheek	40840/2615	20M QPSK 50%RB#50	0.019	0.010	0.15	22.53	23.00	0.021	Battery 1#	/
Right tilt	40840/2615	20M QPSK 50%RB#50	0.009	0.005	0.18	22.53	23.00	0.010	Battery 1#	/
Right cheek	40840/2615	20M QPSK 1RB#0	0.040	0.023	0.05	23.24	24.00	0.048	Battery 2#	/
Right cheek	40840/2615	20M QPSK 1RB#0	0.038	0.020	0.13	23.24	24.00	0.045	With SIM2	/
Right cheek	40240/2555	20M QPSK 1RB#0	0.028	0.015	-0.07	23.19	24.00	0.034	Battery 1#	/
Right cheek	40540/2585	20M QPSK 1RB#0	0.036	0.019	-0.12	23.14	24.00	0.044	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#50	0.047	0.027	-0.13	23.20	24.00	0.056	Battery 1#	/
Right cheek	40840/26159(PCC)	20M QPSK 1RB#99	0.323	0.022	0.140	23.53	24.00	0.042	Battery 1#	/
	40642/2595.2(SCC)	20M QPSK 1RB#0								
LYA-L0C Test at the worst case (Second Antenna)										
Right cheek	40540/2585(PCC)	20M QPSK 1RB#99	0.339	0.140	-0.11	13.26	14.50	0.430	Battery 1#	Yes
	40738/2604.8(SCC)	20M QPSK 1RB#0								
LYA-L0C Test at the worst case (Main Antenna)										
Right cheek	41140/2645	20M QPSK 1RB#50	**0.071**	0.040	0.16	23.20	24.00	**0.085**	Battery 1#	Yes

Table 195: Head SAR test results of LTE Band 41

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	15mm	40540/2585	20M QPSK 1RB#0	0.142	0.076	0.18	22.96	23.00	0.143	Battery 1#	/
Back Side	15mm	40540/2585	20M QPSK 1RB#0	0.127	0.075	0.13	22.96	23.00	0.128	Battery 1#	/
Front Side	15mm	40840/2615	20M QPSK 50%RB#0	**0.178**	0.101	-0.14	22.33	23.00	0.203	Battery 1#	/
Back Side	15mm	40840/2615	20M QPSK 50%RB#0	0.163	0.086	-0.02	22.33	23.00	0.190	Battery 1#	/
Front Side	15mm	40840/2615	20M QPSK 50%RB#0	0.150	0.079	-0.11	22.33	23.00	0.175	Battery 2#	/
Front Side	15mm	40840/2615	20M QPSK 50%RB#0	0.148	0.079	0.16	22.33	23.00	0.173	With SIM2	/
Front Side	15mm	40540/2585(PCC) 40738/2604.8(SCC)	20M QPSK 1RB#99 20M QPSK 1RB#0	0.169	0.096	0.00	21.69	23.00	0.22**9**	Battery 1#	/
Main Antenna											
Front Side	15mm	40840/2615	20M QPSK 1RB#0	0.121	0.072	0.18	23.24	24.00	0.144	Battery 1#	/
Back Side	15mm	40840/2615	20M QPSK 1RB#0	0.144	0.087	0.08	23.24	24.00	0.172	Battery 1#	/
Front Side	15mm	40840/2615	20M QPSK 50%RB#50	0.084	0.046	-0.16	22.53	23.00	0.094	Battery 1#	/
Back Side	15mm	40840/2615	20M QPSK 50%RB#50	0.094	0.055	0.15	22.53	23.00	0.105	Battery 1#	/
Back Side	15mm	40840/2615	20M QPSK 1RB#0	**0.146**	0.087	0.19	23.24	24.00	**0.174**	Battery 2#	/
Back Side	15mm	40840/2615	20M QPSK 1RB#0	0.138	0.075	-0.13	23.24	24.00	0.164	With SIM2	/
Back Side	15mm	40840/2615(PCC) 40642/2595.2(SCC)	20M QPSK 1RB#99 20M QPSK 1RB#0	0.139	0.082	0.13	23.53	24.00	0.155	Battery 2#	/
LYA-L0C Test at the worst case (Second Antenna)											
Front Side	15mm	40540/2585(PCC) 40738/2604.8(SCC	20M QPSK 1RB#99 20M QPSK 1RB#0	**0.178**	0.106	-0.18	21.69	23.00	**0.241**	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	15mm	40840/2615	20M QPSK 1RB#0	0.135	0.085	-0.16	23.24	24.00	0.161	Battery 2#	Yes

Table 196: Body-Worn SAR test results of LTE Band 41

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)											
Second Antenna											
Front Side	10mm	40840/2615	20M QPSK 1RB#99	0.271	0.138	0.13	19.76	20.50	0.321	Battery 1#	/
Back Side	10mm	40840/2615	20M QPSK 1RB#99	0.506	0.263	0.00	19.76	20.50	0.600	Battery 1#	/
Left Side	10mm	40840/2615	20M QPSK 1RB#99	0.194	0.093	-0.11	19.76	20.50	0.230	Battery 1#	/
Right Side	10mm	40840/2615	20M QPSK 1RB#99	0.044	0.025	0.18	19.76	20.50	0.052	Battery 1#	/
Top Side	10mm	40840/2615	20M QPSK 1RB#99	**0.536**	0.270	0.06	19.76	20.50	**0.636**	Battery 1#	/
Front Side	10mm	40840/2615	20M QPSK 50%RB#50	0.331	0.164	0.19	19.86	20.50	0.384	Battery 1#	/
Back Side	10mm	40840/2615	20M QPSK 50%RB#50	0.306	0.151	0.19	19.86	20.50	0.355	Battery 1#	/
Left Side	10mm	40840/2615	20M QPSK 50%RB#50	0.170	0.082	-0.06	19.86	20.50	0.197	Battery 1#	/
Right Side	10mm	40840/2615	20M QPSK 50%RB#50	0.040	0.022	0.05	19.86	20.50	0.046	Battery 1#	/
Top Side	10mm	40840/2615	20M QPSK 50%RB#50	0.509	0.237	-0.16	19.86	20.50	0.590	Battery 1#	/
Top Side	10mm	40840/2615	20M QPSK 1RB#99	0.461	0.222	-0.17	19.76	20.50	0.547	Battery 2#	/
Top Side	10mm	40840/2615	20M QPSK 1RB#99	0.458	0.223	-0.16	19.76	20.50	0.543	With SIM2	/
Top Side	10mm	40540/2585(PCC) 40738/2604.8(SCC)	20M QPSK 1RB#99 20M QPSK 1RB#0	0.403	0.219	-0.15	19.21	20.50	0.542	Battery 1#	/
Main Antenna											
Front Side	10mm	40840/2615	20M QPSK 1RB#0	0.247	0.131	-0.19	23.24	24.00	0.294	Battery 1#	/
Back Side	10mm	40840/2615	20M QPSK 1RB#0	0.292	0.167	0.11	23.24	24.00	0.348	Battery 1#	/
Left Side	10mm	40840/2615	20M QPSK 1RB#0	0.102	0.052	-0.17	23.24	24.00	0.122	Battery 1#	/
Right Side	10mm	40840/2615	20M QPSK 1RB#0	0.036	0.017	0.02	23.24	24.00	0.043	Battery 1#	/
Bottom Side	10mm	40840/2615	20M QPSK 1RB#0	0.197	0.106	-0.12	23.24	24.00	0.235	Battery 1#	/
Front Side	10mm	40840/2615	20M QPSK 50%RB#50	0.189	0.099	0.19	22.53	23.00	0.211	Battery 1#	/
Back Side	10mm	40840/2615	20M QPSK 50%RB#50	0.215	0.114	-0.19	22.53	23.00	0.240	Battery 1#	/
Left Side	10mm	40840/2615	20M QPSK 50%RB#50	0.068	0.036	0.18	22.53	23.00	0.076	Battery 1#	/
Right Side	10mm	40840/2615	20M QPSK 50%RB#50	0.026	0.012	0.13	22.53	23.00	0.029	Battery 1#	/
Bottom Side	10mm	40840/2615	20M QPSK 50%RB#50	0.142	0.077	-0.18	22.53	23.00	0.158	Battery 1#	/
Back Side	10mm	40840/2615	20M QPSK 1RB#0	**0.295**	0.169	0.02	23.24	24.00	**0.351**	Battery 2#	/
Back Side	10mm	40840/2615	20M QPSK 1RB#0	0.246	0.130	0.11	23.24	24.00	0.293	With SIM2	/
Back Side	10mm	40840/2615(PCC) 40642/2595.2(SCC)	20M QPSK 1RB#99 20M QPSK 1RB#0	0.260	0.148	-0.17	23.53	24.00	0.290	Battery 2#	/
LYA-L0C Test at the worst case (Second Antenna)											
Top Side	10mm	40840/2615	20M QPSK 1RB#99	0.495	0.248	0.11	19.76	20.50	0.587	Battery 1#	Yes
LYA-L0C Test at the worst case (Main Antenna)											
Back Side	10mm	40840/2615	20M QPSK 1RB#0	0.232	0.142	0.14	23.24	24.00	0.276	Battery 2#	Yes

Table 197: Hotspot SAR test results of LTE Band 41

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)										
Second Antenna										
Front Side	10mm	40840/2615	20M QPSK 1RB#99	0.271	0.138	0.13	19.76	23.00	0.571	Yes
Back Side	10mm	40840/2615	20M QPSK 1RB#99	0.506	0.263	0.00	19.76	23.00	1.067	Yes
Left Side	10mm	40840/2615	20M QPSK 1RB#99	0.194	0.093	-0.11	19.76	23.00	0.409	Yes
Right Side	10mm	40840/2615	20M QPSK 1RB#99	0.044	0.025	0.18	19.76	23.00	0.092	Yes
Top Side	10mm	40840/2615	20M QPSK 1RB#99	**0.536**	0.270	0.06	19.76	23.00	**1.130**	Yes
Front Side	10mm	40840/2615	20M QPSK 50%RB#50	0.331	0.164	0.19	19.86	23.00	0.682	Yes
Back Side	10mm	40840/2615	20M QPSK 50%RB#50	0.306	0.151	0.19	19.86	23.00	0.631	Yes
Left Side	10mm	40840/2615	20M QPSK 50%RB#50	0.170	0.082	-0.06	19.86	23.00	0.350	Yes
Right Side	10mm	40840/2615	20M QPSK 50%RB#50	0.040	0.022	0.05	19.86	23.00	0.082	Yes
Top Side	10mm	40840/2615	20M QPSK 50%RB#50	0.509	0.237	-0.16	19.86	23.00	1.049	Yes
Top Side	10mm	40840/2615	20M QPSK 1RB#99	0.461	0.222	-0.17	19.76	23.00	0.972	Yes
Top Side	10mm	40840/2615	20M QPSK 1RB#99	0.458	0.223	-0.16	19.76	23.00	0.966	Yes
Top Side	10mm	40540/2585 (PCC)	20M QPSK 1RB#99	0.403	0.219	-0.15	13.26	23.00	0.965	Yes
		40738/2604.8 (SCC)	20M QPSK 1RB#0							
LYA-L0C Test at the worst case (Second Antenna)										
Top Side	10mm	40840/2615	20M QPSK 1RB#99	0.495	0.248	0.11	19.76	23.00	1.044	Yes

Table 198: Product Specific 10-g SAR test reduction evaluation of LTE Band 41

Note : According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

7.2.15 SAR measurement Result of LTE Band 66

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	132072/1720	20M QPSK 1RB#0	0.332	0.175	-0.13	14.31	15.50	0.437	Battery 1#	/
Left tilt	132072/1720	20M QPSK 1RB#0	0.265	0.151	-0.15	14.31	15.50	0.349	Battery 1#	/
Right cheek	132072/1720	20M QPSK 1RB#0	0.343	0.161	-0.05	14.31	15.50	0.451	Battery 1#	/
Right tilt	132072/1720	20M QPSK 1RB#0	**0.419**	0.198	-0.13	14.31	15.50	**0.551**	Battery 1#	Yes
Left cheek	132072/1720	20M QPSK 50%RB#0	0.323	0.167	-0.15	14.33	15.50	0.423	Battery 1#	/
Left tilt	132072/1720	20M QPSK 50%RB#0	0.237	0.131	-0.19	14.33	15.50	0.310	Battery 1#	/
Right cheek	132072/1720	20M QPSK 50%RB#0	0.372	0.185	0.05	14.33	15.50	0.487	Battery 1#	/
Right tilt	132072/1720	20M QPSK 50%RB#0	0.407	0.193	-0.17	14.33	15.50	0.533	Battery 1#	/
Right tilt	132072/1720	20M QPSK 1RB#0	0.390	0.202	0.08	14.31	15.50	0.513	Battery 2#	/
Right tilt	132322/1745	20M QPSK 1RB#0	0.354	0.168	-0.11	14.22	15.50	0.475	Battery 1#	/
Right tilt	132572/1770	20M QPSK 1RB#99	0.298	0.132	-0.08	14.23	15.50	0.399	Battery 1#	/
Main Antenna										
Left cheek	132072/1720	20M QPSK 1RB#99	**0.141**	0.092	-0.06	23.73	24.50	**0.168**	Battery 1#	Yes
Left tilt	132072/1720	20M QPSK 1RB#99	0.050	0.028	0.01	23.73	24.50	0.060	Battery 1#	/
Right cheek	132072/1720	20M QPSK 1RB#99	0.074	0.050	0.12	23.73	24.50	0.089	Battery 1#	/
Right tilt	132072/1720	20M QPSK 1RB#99	0.056	0.034	0.04	23.73	24.50	0.067	Battery 1#	/
Left cheek	132572/1770	20M QPSK 50%RB#25	0.094	0.055	0.13	22.40	23.50	0.122	Battery 1#	/
Left tilt	132572/1770	20M QPSK 50%RB#25	0.044	0.025	0.12	22.40	23.50	0.057	Battery 1#	/
Left cheek	132072/1720	20M QPSK 1RB#99	0.120	0.079	-0.06	23.73	24.50	0.143	Battery 2#	/
Left cheek	132322/1745	20M QPSK 1RB#0	0.132	0.076	0.05	23.50	24.50	0.166	Battery 1#	/
Left cheek	132572/1770	20M QPSK 1RB#0	0.099	0.058	-0.17	23.56	24.50	0.123	Battery 1#	/

Table 199: Head SAR test results of LTE Band 66

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	132072/1720	20M QPSK 1RB#0	0.091	0.053	-0.06	20.90	22.00	0.117	Battery 1#	/
Back Side	15mm	132072/1720	20M QPSK 1RB#0	**0.181**	0.107	-0.07	20.90	22.00	**0.233**	Battery 1#	Yes
Front Side	15mm	132072/1720	20M QPSK 50%RB#0	0.127	0.072	-0.17	20.83	22.00	0.166	Battery 1#	/
Back Side	15mm	132072/1720	20M QPSK 50%RB#0	0.134	0.079	-0.05	20.83	22.00	0.175	Battery 1#	/
Back Side	15mm	132072/1720	20M QPSK 1RB#0	0.148	0.086	-0.08	20.90	22.00	0.191	Battery 2#	/
Main Antenna											
Front Side	15mm	132072/1720	20M QPSK 1RB#99	0.688	0.428	0.15	23.73	24.50	0.821	Battery 1#	/
Front Side	15mm	132322/1745	20M QPSK 1RB#0	0.748	0.465	0.09	23.50	24.50	0.942	Battery 1#	/
Front Side	15mm	132572/1770	20M QPSK 1RB#0	**0.765**	0.472	0.10	23.56	24.50	**0.950**	Battery 1#	Yes
Back Side	15mm	132072/1720	20M QPSK 1RB#99	0.703	0.445	-0.07	23.73	24.50	0.839	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 1RB#0	0.721	0.460	-0.11	23.50	24.50	0.908	Battery 1#	/
Back Side	15mm	132572/1770	20M QPSK 1RB#0	0.743	0.472	-0.06	23.56	24.50	0.923	Battery 1#	/
Front Side	15mm	132572/1770	20M QPSK 50%RB#25	0.479	0.278	-0.13	22.40	23.50	0.617	Battery 1#	/
Back Side	15mm	132572/1770	20M QPSK 50%RB#25	0.455	0.255	-0.13	22.40	23.50	0.586	Battery 1#	/
Front Side	15mm	132572/1770	20M QPSK 100%RB#0	0.392	0.223	-0.06	22.42	23.50	0.503	Battery 1#	/
Front Side	15mm	132572/1770	20M QPSK 1RB#0	0.721	0.448	-0.01	23.56	24.50	0.895	Battery 2#	/

Table 200: Body-Worn SAR test results of LTE Band 66

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	132072/1720	20M QPSK 1RB#99	0.199	0.106	0.07	18.42	19.50	0.255	Battery 1#	/
Back Side	10mm	132072/1720	20M QPSK 1RB#99	0.157	0.088	0.19	18.42	19.50	0.201	Battery 1#	/
Left Side	10mm	132072/1720	20M QPSK 1RB#99	0.010	0.006	0.07	18.42	19.50	0.013	Battery 1#	/
Right Side	10mm	132072/1720	20M QPSK 1RB#99	0.007	0.004	0.08	18.42	19.50	0.009	Battery 1#	/
Top Side	10mm	132072/1720	20M QPSK 1RB#99	0.217	0.104	0.15	18.42	19.50	0.278	Battery 1#	/
Front Side	10mm	132072/1720	20M QPSK 50%RB#50	0.163	0.092	0.16	18.36	19.50	0.212	Battery 1#	/
Back Side	10mm	132072/1720	20M QPSK 50%RB#50	0.133	0.071	-0.02	18.36	19.50	0.173	Battery 1#	/
Left Side	10mm	132072/1720	20M QPSK 50%RB#50	0.010	0.006	0.02	18.36	19.50	0.013	Battery 1#	/
Right Side	10mm	132072/1720	20M QPSK 50%RB#50	0.008	0.004	-0.11	18.36	19.50	0.010	Battery 1#	/
Top Side	10mm	132072/1720	20M QPSK 50%RB#50	0.214	0.102	-0.15	18.36	19.50	0.278	Battery 1#	/
Top Side	10mm	132072/1720	20M QPSK 1RB#99	**0.248**	0.120	-0.10	18.42	19.50	**0.318**	Battery 2#	Yes
Main Antenna											
Front Side	10mm	132072/1720	20M QPSK 1RB#99	0.203	0.105	0.09	16.64	17.50	0.247	Battery 1#	/
Back Side	10mm	132072/1720	20M QPSK 1RB#99	0.241	0.144	0.15	16.64	17.50	0.294	Battery 1#	/
Left Side	10mm	132072/1720	20M QPSK 1RB#99	0.014	0.009	0.16	16.64	17.50	0.017	Battery 1#	/
Right Side	10mm	132072/1720	20M QPSK 1RB#99	0.035	0.018	0.11	16.64	17.50	0.042	Battery 1#	/
Bottom Side	10mm	132072/1720	20M QPSK 1RB#99	**0.442**	0.236	0.05	16.64	17.50	**0.539**	Battery 1#	Yes
Front Side	10mm	132072/1720	20M QPSK 50%RB#0	0.201	0.108	0.14	16.57	17.50	0.249	Battery 1#	/
Back Side	10mm	132072/1720	20M QPSK 50%RB#0	0.224	0.124	0.04	16.57	17.50	0.277	Battery 1#	/
Left Side	10mm	132072/1720	20M QPSK 50%RB#0	0.013	0.008	0.12	16.57	17.50	0.016	Battery 1#	/
Right Side	10mm	132072/1720	20M QPSK 50%RB#0	0.032	0.017	0.12	16.57	17.50	0.040	Battery 1#	/
Bottom Side	10mm	132072/1720	20M QPSK 50%RB#0	0.384	0.188	-0.07	16.57	17.50	0.476	Battery 1#	/
Bottom Side	10mm	132072/1720	20M QPSK 1RB#99	0.413	0.221	-0.13	16.64	17.50	0.503	Battery 2#	/

Table 201: Hotspot SAR test results of LTE Band 66

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	132072/1720	20M QPSK 1RB#99	0.199	0.106	0.07	18.42	22.00	0.454	Yes
Back Side	10mm	132072/1720	20M QPSK 1RB#99	0.157	0.088	0.19	18.42	22.00	0.358	Yes
Left Side	10mm	132072/1720	20M QPSK 1RB#99	0.010	0.006	0.07	18.42	22.00	0.024	Yes
Right Side	10mm	132072/1720	20M QPSK 1RB#99	0.007	0.004	0.08	18.42	22.00	0.016	Yes
Top Side	10mm	132072/1720	20M QPSK 1RB#99	0.217	0.104	0.15	18.42	22.00	0.495	Yes
Front Side	10mm	132072/1720	20M QPSK 50%RB#50	0.163	0.092	0.16	18.36	22.00	0.377	Yes
Back Side	10mm	132072/1720	20M QPSK 50%RB#50	0.133	0.071	-0.02	18.36	22.00	0.308	Yes
Left Side	10mm	132072/1720	20M QPSK 50%RB#50	0.010	0.006	0.02	18.36	22.00	0.024	Yes
Right Side	10mm	132072/1720	20M QPSK 50%RB#50	0.008	0.004	-0.11	18.36	22.00	0.018	Yes
Top Side	10mm	132072/1720	20M QPSK 50%RB#50	0.214	0.102	-0.15	18.36	22.00	0.495	Yes
Top Side	10mm	132072/1720	20M QPSK 1RB#99	**0.248**	0.120	-0.10	18.42	22.00	0.566	Yes
Top Side	10mm	132322/1745	20M QPSK 1RB#0	0.211	0.100	0.01	18.30	22.00	0.495	Yes
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.162	0.078	-0.07	18.29	22.00	0.381	Yes
Main Antenna										
Front Side	10mm	132072/1720	20M QPSK 1RB#99	0.203	0.105	0.09	16.64	24.50	1.240	No
Back Side	10mm	132072/1720	20M QPSK 1RB#99	0.241	0.144	0.15	16.64	24.50	1.472	No
Left Side	10mm	132072/1720	20M QPSK 1RB#99	0.014	0.009	0.16	16.64	24.50	0.083	Yes
Right Side	10mm	132072/1720	20M QPSK 1RB#99	0.035	0.018	0.11	16.64	24.50	0.212	Yes
Bottom Side	10mm	132072/1720	20M QPSK 1RB#99	**0.442**	0.236	0.05	16.64	24.50	2.700	No
Front Side	10mm	132072/1720	20M QPSK 50%RB#0	0.201	0.108	0.14	16.57	24.50	1.248	No
Back Side	10mm	132072/1720	20M QPSK 50%RB#0	0.224	0.124	0.04	16.57	24.50	1.391	No
Left Side	10mm	132072/1720	20M QPSK 50%RB#0	0.013	0.008	0.12	16.57	24.50	0.079	Yes
Right Side	10mm	132072/1720	20M QPSK 50%RB#0	0.032	0.017	0.12	16.57	24.50	0.201	Yes
Bottom Side	10mm	132072/1720	20M QPSK 50%RB#0	0.384	0.188	-0.07	16.57	24.50	2.384	No
Bottom Side	10mm	132072/1720	20M QPSK 1RB#99	0.413	0.221	-0.13	16.64	24.50	2.523	No
Bottom Side	10mm	132072/1720	20M QPSK 1RB#99	0.420	0.225	-0.14	16.64	24.50	2.566	No
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	0.398	0.197	0.07	16.54	24.50	2.488	No
Bottom Side	10mm	132572/1770	20M QPSK 1RB#99	0.395	0.195	0.10	16.53	24.50	2.475	No

Table 202: Product Specific 10-g SAR test reduction evaluation of LTE Band 66

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Front Side,Back Side,Bottom Side (Main antenna)

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-0g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Main Antenna											
Front Side	0mm	132072/1720	20M QPSK 1RB#99	1.890	0.837	0.10	18.67	19.50	1.013	Battery 1#	/
Back Side	0mm	132072/1720	20M QPSK 1RB#99	1.830	0.862	0.12	18.67	19.50	1.044	Battery 1#	/
Bottom Side	0mm	132072/1720	20M QPSK 1RB#99	1.760	0.770	-0.14	18.67	19.50	0.932	Battery 1#	/
Front Side	0mm	132322/1745	20M QPSK 50%RB#0	1.890	0.877	0.01	18.51	19.50	1.102	Battery 1#	/
Back Side	0mm	132322/1745	20M QPSK 50%RB#0	1.870	0.875	0.02	18.51	19.50	1.099	Battery 1#	/
Bottom Side	0mm	132322/1745	20M QPSK 50%RB#0	1.660	0.724	-0.16	18.51	19.50	0.909	Battery 1#	/
Back Side	0mm	132322/1745	20M QPSK 50%RB#0	2.940	1.360	0.13	18.51	19.50	1.708	Battery 2#	/
Back Side	0mm	132072/1720	20M QPSK 50%RB#50	2.770	1.280	0.17	18.50	19.50	1.611	Battery 2#	/
Back Side	0mm	132572/1770	20M QPSK 50%RB#50	2.920	1.330	0.12	18.39	19.50	1.717	Battery 2#	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Front Side	3mm	132072/1720	20M QPSK 1RB#99	4.390	**2.130**	0.19	23.73	24.50	2.543	Battery 2#	Yes
Front Side Repeat	3mm	132072/1720	20M QPSK 1RB#99	4.290	2.110	0.18	23.73	24.50	2.519	Battery 2#	/
Front Side	3mm	132322/1745	20M QPSK 1RB#0	2.660	1.460	0.10	23.50	24.50	1.838	Battery 2#	/
Front Side	3mm	132572/1770	20M QPSK 1RB#0	2.850	1.560	0.13	23.56	24.50	1.937	Battery 2#	/
Back Side	4mm	132072/1720	20M QPSK 1RB#99	3.490	1.830	0.17	23.73	24.50	2.185	Battery 2#	/
Back Side	4mm	132322/1745	20M QPSK 1RB#0	3.680	1.930	0.19	23.50	24.50	2.430	Battery 2#	/
Back Side	4mm	132572/1770	20M QPSK 1RB#0	3.930	2.070	0.19	23.56	24.50	**2.570**	Battery 2#	/
Back Side repeat	4mm	132572/1770	20M QPSK 1RB#0	3.650	1.940	0.16	23.56	24.50	2.409	Battery 2#	/
Bottom Side	8mm	132072/1720	20M QPSK 1RB#99	2.570	1.210	0.09	23.73	24.50	1.445	Battery 2#	/
Front Side	3mm	132572/1770	20M QPSK 50%RB#25	2.220	1.070	0.00	22.40	23.50	1.378	Battery 2#	/
Back Side	4mm	132572/1770	20M QPSK 50%RB#25	3.120	1.620	0.16	22.40	23.50	2.087	Battery 2#	/
Back Side	4mm	132072/1720	20M QPSK 50%RB#25	2.500	1.320	0.11	22.39	23.50	1.704	Battery 2#	/
Back Side	4mm	132322/1745	20M QPSK 50%RB#0	2.800	1.480	0.14	22.39	23.50	1.911	Battery 2#	/
Bottom Side	8mm	132572/1770	20M QPSK 50%RB#25	2.160	1.010	-0.01	22.40	23.50	1.301	Battery 2#	/
Back Side	4mm	132572/1770	20M QPSK 100%RB#0	2.420	1.070	-0.08	22.42	23.50	1.372	Battery 2#	/

Table 203: Product Specific 10-g SAR SAR test results of LTE Band 66

7.2.16 SAR measurement Result of WiFi 2.4G

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)													
ANT1													
Left cheek	6/2437	802.11b	0.242	0.192	0.100	-0.17	99%	0.194	11.55	12.50	0.241	Battery 1#	/
Left tilt	6/2437	802.11b	0.265	0.224	0.106	-0.09	99%	0.226	11.55	12.50	0.282	Battery 1#	/
Right cheek	6/2437	802.11b	0.117	0.117	0.063	-0.07	99%	0.118	11.55	12.50	0.147	Battery 1#	/
Right tilt	6/2437	802.11b	0.126	0.128	0.066	0.12	99%	0.129	11.55	12.50	0.161	Battery 1#	/
Left tilt	6/2437	802.11b	0.236	0.204	0.097	-0.15	99%	0.206	11.55	12.50	0.256	Battery 2#	/
Left tilt	1/2412	802.11b	0.221	0.189	0.094	-0.14	99%	0.191	11.38	12.50	0.247	Battery 1#	/
Left tilt	11/2462	802.11b	0.244	0.217	0.103	-0.10	99%	0.219	11.37	12.50	0.284	Battery 1#	/
ANT2													
Left cheek	6/2437	802.11b	0.030	0.024	0.011	-0.17	99%	0.025	11.17	12.50	0.033	Battery 1#	/
Left tilt	6/2437	802.11b	0.031	0.025	0.011	-0.12	99%	0.025	11.17	12.50	0.034	Battery 1#	/
Right cheek	6/2437	802.11b	0.010	/	/	-0.19	99%	/	11.17	12.50	/	Battery 1#	/
Right tilt	6/2437	802.11b	0.010	/	/	-0.13	99%	/	11.17	12.50	/	Battery 1#	/
Left tilt	6/2437	802.11b	0.021	/	/	-0.11	99%	/	11.17	12.50	/	Battery 2#	/
Left tilt	1/2412	802.11b	0.025	0.023	0.010	-0.16	99%	0.023	10.95	12.50	0.033	Battery 1#	/
Left tilt	11/2462	802.11b	0.031	0.025	0.012	-0.12	99%	0.025	10.61	12.50	0.039	Battery 1#	/
LYA-L0C Test at the worst case (ANT1)													
Left tilt	11/2462	802.11b	0.286	**0.247**	0.114	0.04	99%	0.249	11.37	12.50	**0.324**	Battery 1#	Yes
LYA-L0C Test at the worst case (ANT2)													
Left tilt	11/2462	802.11b	0.012	0.010	0.003	0.15	99%	0.010	10.61	12.50	0.016	Battery 1#	/

Table 204: Head SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)													
Test data of WiFi 2.4G CDD with ANT1													
Left cheek	6/2437	802.11g	0.302	**0.260**	0.122	-0.02	98%	0.265	11.70	12.50	**0.319**	Battery 1#	/
Left tilt	6/2437	802.11g	0.279	0.220	0.113	-0.02	98%	0.224	11.70	12.50	0.270	Battery 1#	/
Right cheek	6/2437	802.11g	0.108	/	/	-0.02	98%	/	11.70	12.50	/	Battery 1#	/
Right tilt	6/2437	802.11g	0.116	/	/	-0.14	98%	/	11.70	12.50	/	Battery 1#	/
Left cheek	6/2437	802.11g	0.256	0.230	0.112	-0.05	98%	0.235	11.70	12.50	0.282	Battery 2#	/
Left cheek	1/2412	802.11g	0.276	0.241	0.116	-0.12	98%	0.246	11.67	12.50	0.298	Battery 1#	/
Left cheek	11/2462	802.11g	0.254	0.244	0.117	-0.08	98%	0.249	11.58	12.50	0.308	Battery 1#	/
Test data of WiFi 2.4G CDD with ANT2													
Left cheek	6/2437	802.11g	0.026	0.020	0.011	-0.17	98%	0.020	11.11	12.50	0.028	Battery 1#	/
Left tilt	6/2437	802.11g	0.016	/	/	-0.14	98%	/	11.11	12.50	/	Battery 1#	/
Right cheek	6/2437	802.11g	0.011	/	/	-0.19	98%	/	11.11	12.50	/	Battery 1#	/
Right tilt	6/2437	802.11g	0.010	/	/	-0.17	98%	/	11.11	12.50	/	Battery 1#	/
Left cheek	6/2437	802.11g	0.025	0.023	0.010	-0.16	98%	0.024	11.11	12.50	0.033	Battery 2#	/
Left cheek	1/2412	802.11g	0.026	0.024	0.011	-0.17	98%	0.024	11.09	12.50	0.034	Battery 1#	/
Left cheek	11/2462	802.11g	0.027	**0.027**	0.011	-0.13	98%	0.027	10.77	12.50	**0.040**	Battery 1#	/
LYA-L0C Test at the worst case (ANT1)													
Left cheek	6/2437	802.11g	0.238	0.202	0.101	-0.16	98%	0.206	11.70	12.50	0.248	Battery 1#	/

Table 205: Head SAR test results of WiFi 2.4G CDD

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	WiFi Reported 1-g SAR (W/kg)1-g SAR			Accessory Information
				Ant 1	Ant 2	CDD/MIMO (Ant1+Ant2)	
CDD							
Left cheek	/	6/2437	802.11g	0.324	0.040	0.364	Battery 1#
Left tilt	/	6/2437	802.11g	0.324	0.040	0.364	Battery 1#
Right cheek	/	6/2437	802.11g	0.324	0.040	0.364	Battery 1#
Right tilt	/	6/2437	802.11g	0.324	0.040	0.364	Battery 1#
Left cheek	/	6/2437	802.11g	0.324	0.040	0.364	Battery 2#
Left cheek	/	1/2412	802.11g	0.324	0.040	0.364	Battery 1#
Left cheek	/	11/2462	802.11g	0.324	0.040	0.364	Battery 1#

Table 206: Head SAR of WiFi 2.4G CDD

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)														
ANT1														
Front Side	15mm	11/2462	802.11 b	0.078	0.085	0.037	-0.15	98%	0.087	16.41	17.50	0.112	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.085	0.084	0.042	0.10	98%	0.086	16.41	17.50	0.110	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.089	0.090	0.044	-0.04	98%	0.091	16.41	17.50	0.117	Battery 2#	/
ANT2														
Front Side	15mm	6/2437	802.11 b	0.011	0.009	0.005	0.19	98%	0.009	16.09	17.50	0.012	Battery 1#	/
Back Side	15mm	6/2437	802.11 b	0.059	0.059	0.029	-0.08	98%	0.061	16.09	17.50	0.084	Battery 1#	/
Back Side	15mm	6/2437	802.11 b	0.063	**0.064**	0.031	0.07	98%	0.065	16.09	17.50	**0.090**	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Back Side	15mm	11/2462	802.11 b	0.077	0.078	0.038	0.18	98%	0.079	16.41	17.50	0.102	Battery 2#	Yes
LYA-L0C Test at the worst case (ANT2)														
Back Side	15mm	6/2437	802.11 b	0.046	0.046	0.021	0.07	98%	0.047	16.09	17.50	0.065	Battery 2#	/

Table 207: Body-Worn SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data of WiFi 2.4G CDD with ANT1														
Front Side	15mm	2/2417	802.11g	0.088	/	/	0.15	98%	/	16.01	17.50	/	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.083	0.081	0.040	-0.10	98%	0.083	16.01	17.50	0.116	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.100	0.096	0.047	-0.16	98%	0.098	16.01	17.50	0.138	Battery 2#	/
Test data of WiFi 2.4G CDD with ANT2														
Front Side	15mm	2/2417	802.11g	0.010	/	/	-0.18	98%	/	16.02	17.50	/	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.055	0.058	0.028	0.05	98%	0.059	16.02	17.50	0.083	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.051	0.053	0.026	-0.09	98%	0.054	16.02	17.50	0.076	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Back Side	15mm	2/2417	802.11g	0.071	0.071	0.035	-0.12	98%	0.072	16.01	17.50	0.102	Battery 2#	/

Table 208: Body-Worn SAR test results of WiFi 2.4G CDD

Note: For CDD/MIMO SAR, the max tune-up power of 1CH and 11CH are lower than other channels, so SAR test is performed on 2CH.

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	WiFi Reported 1-g SAR (W/kg)1-g SAR			Accessory Information
				Ant 1	Ant 2	CDD/MIMO (Ant1+Ant2)	
CDD							
Front Side	15mm	2/2417	802.11g	0.138	0.083	0.221	Battery 1#
Back Side	15mm	2/2417	802.11g	0.138	0.083	0.221	Battery 1#
Back Side	15mm	2/2417	802.11g	0.138	0.083	0.221	Battery 2#

Table 209: Body-Worn SAR of WiFi 2.4G CDD

Note: Per KDB248227D01, for Body-worn SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)														
ANT1														
Front Side	10mm	11/2462	802.11 b	0.146	0.149	0.079	-0.08	98%	0.152	16.41	17.50	0.195	Battery 1#	/
Back Side	10mm	11/2462	802.11 b	0.200	0.186	0.085	0.15	98%	0.190	16.41	17.50	0.244	Battery 1#	/
Right Side	10mm	11/2462	802.11 b	0.132	0.132	0.061	-0.02	98%	0.135	16.41	17.50	0.173	Battery 1#	/
Top Side	10mm	11/2462	802.11 b	0.177	0.178	0.090	-0.02	98%	0.182	16.41	17.50	0.233	Battery 1#	/
Back Side	10mm	11/2462	802.11 b	0.230	0.221	0.099	0.08	98%	0.226	16.41	17.50	0.290	Battery 2#	/
ANT2														
Front Side	10mm	6/2437	802.11 b	0.015	0.015	0.008	0.14	98%	0.015	16.09	17.50	0.020	Battery 1#	/
Back Side	10mm	6/2437	802.11 b	0.174	0.178	0.076	-0.08	98%	0.182	16.09	17.50	0.251	Battery 1#	/
Right Side	10mm	6/2437	802.11 b	0.057	0.058	0.028	-0.14	98%	0.059	16.09	17.50	0.081	Battery 1#	/
Top Side	10mm	6/2437	802.11 b	0.012	0.012	0.007	-0.16	98%	0.012	16.09	17.50	0.016	Battery 1#	/
Back Side	10mm	6/2437	802.11 b	0.164	0.181	0.077	0.17	98%	0.185	16.09	17.50	0.256	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Back Side	10mm	11/2462	802.11 b	0.182	0.195	0.088	-0.06	98%	0.199	16.41	17.50	0.256	Battery 2#	Yes
LYA-L0C Test at the worst case (ANT2)														
Back Side	10mm	6/2437	802.11 b	0.109	0.107	0.027	0.06	98%	0.109	16.09	17.50	0.151	Battery 2#	/

Table 210: Hotspot SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data of WiFi 2.4G CDD with ANT1														
Front Side	10mm	2/2417	802.11g	0.182	/	/	-0.05	98%	/	16.01	17.50	/	Battery 1#	/
Back Side	10mm	2/2417	802.11g	0.241	0.237	0.107	0.09	98%	0.242	16.01	17.50	0.334	Battery 1#	/
Right Side	10mm	2/2417	802.11g	0.123	/	/	0.04	98%	/	16.01	17.50	/	Battery 1#	/
Top Side	10mm	2/2417	802.11g	0.204	/	/	-0.06	98%	/	16.01	17.50	/	Battery 1#	/
Back Side	10mm	2/2417	802.11g	0.233	0.225	0.102	0.15	98%	0.230	16.01	17.50	0.317	Battery 2#	/
Test data of WiFi 2.4G CDD with ANT2														
Front Side	10mm	2/2417	802.11g	0.018	/	/	-0.14	98%	/	16.02	17.50	/	Battery 1#	/
Back Side	10mm	2/2417	802.11g	0.145	0.150	0.065	-0.07	98%	0.153	16.02	17.50	0.215	Battery 1#	/
Right Side	10mm	2/2417	802.11g	0.046	/	/	0.05	98%	/	16.02	17.50	/	Battery 1#	/
Top Side	10mm	2/2417	802.11g	0.014	/	/	0.15	98%	/	16.02	17.50	/	Battery 1#	/
Back Side	10mm	2/2417	802.11g	0.139	0.150	0.065	-0.11	98%	0.153	16.02	17.50	0.215	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Back Side	10mm	2/2417	802.11g	0.133	0.136	0.061	-0.15	98%	0.139	16.01	17.50	0.196	Battery 1#	/

Table 211: Hotspot SAR test results of WiFi 2.4G CDD

Note: For CDD/MIMO SAR, the max tune-up power of 1CH and 11CH are lower than other channels, so SAR test is performed on 2CH.

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	WiFi Reported 1-g SAR (W/kg)1-g SAR			Accessory Information
				Ant 1	Ant 2	CDD/MIMO (Ant1+Ant2)	
CDD							
Front Side	10mm	2/2417	802.11g	0.334	0.215	0.549	Battery 1#
Back Side	10mm	2/2417	802.11g	0.334	0.215	0.549	Battery 1#
Right Side	10mm	2/2417	802.11g	0.334	0.215	0.549	Battery 1#
Top Side	10mm	2/2417	802.11g	0.334	0.215	0.549	Battery 1#
Back Side	10mm	2/2417	802.11g	0.334	0.215	0.549	Battery 2#

Table 212: Hotspot SAR of WiFi 2.4G CDD

Note:

1) Per KDB248227D01, for Body-worn SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

7.2.17 SAR measurement Result of WiFi 5G

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR（W/kg）	SAR Value (W/kg)		Power Drift (dB)	Actual duty factor	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported SAR1-g (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)													
ANT1													
Test data of U-NII-1&U-NII-2A band													
Left cheek	54/5270	802.11n(40M)	0.093	0.108	0.034	-0.19	99%	0.109	9.75	11.00	0.145	Battery 1#	/
Left tilt	54/5270	802.11n(40M)	0.128	0.159	0.046	-0.12	99%	0.161	9.75	11.00	0.214	Battery 1#	/
Right cheek	54/5270	802.11n(40M)	0.069	/	/	-0.13	99%	/	9.75	11.00	/	Battery 1#	/
Right tilt	54/5270	802.11n(40M)	0.069	/	/	-0.06	99%	/	9.75	11.00	/	Battery 1#	/
Left cheek	54/5270	802.11n(40M)	0.106	0.112	0.034	-0.13	99%	0.113	9.75	11.00	0.151	Battery 2#	/
Left tilt	54/5270	802.11n(40M)	0.120	0.146	0.041	-0.04	99%	0.147	9.75	11.00	0.197	Battery 2#	/
Left cheek	62/5310	802.11n(40M)	0.079	0.078	0.022	0.04	99%	0.079	8.00	9.50	0.112	Battery 1#	/
Test data of U-NII-2C band													
Left cheek	110/5550	802.11n(40M)	0.157	0.145	0.044	-0.14	99%	0.146	9.46	11.00	0.209	Battery 1#	/
Left tilt	110/5550	802.11n(40M)	0.155	0.183	0.054	-0.18	99%	0.185	9.46	11.00	0.264	Battery 1#	/
Right cheek	110/5550	802.11n(40M)	0.106	/	/	-0.13	99%	/	9.46	11.00	/	Battery 1#	/
Right tilt	110/5550	802.11n(40M)	0.128	/	/	-0.02	99%	/	9.46	11.00	/	Battery 1#	/
Left tilt	110/5550	802.11n(40M)	0.158	0.186	0.054	-0.14	99%	0.188	9.46	11.00	0.268	Battery 2#	/
Left tilt	102/5510	802.11n(40M)	0.136	0.148	0.041	0.19	99%	0.149	7.85	9.50	0.219	Battery 2#	/
Left tilt	134/5670	802.11n(40M)	0.146	0.162	0.044	0.09	99%	0.164	8.68	9.50	0.198	Battery 2#	/
Test data of U-NII-3 band													
Left cheek	165/5825	802.11a	0.151	/	/	-0.14	99%	/	10.18	11.00	/	Battery 1#	/
Left tilt	165/5825	802.11a	0.173	0.190	0.048	-0.19	99%	0.192	10.18	11.00	0.232	Battery 1#	/
Right cheek	165/5825	802.11a	0.079	/	/	-0.15	99%	/	10.18	11.00	/	Battery 1#	/
Right tilt	165/5825	802.11a	0.095	/	/	-0.17	99%	/	10.18	11.00	/	Battery 1#	/
Left tilt	165/5825	802.11a	0.190	**0.199**	0.051	-0.19	99%	0.201	10.18	11.00	0.243	Battery 2#	/
Left tilt	149/5745	802.11a	0.167	0.181	0.049	-0.15	99%	0.183	10.09	11.00	0.225	Battery 2#	/
Left tilt	157/5785	802.11a	0.170	0.186	0.050	-0.05	99%	0.188	10.17	11.00	0.227	Battery 2#	/
ANT2													
Test data of U-NII-1&U-NII-2A band													
Left cheek	54/5270	802.11n(40M)	0.019	0.019	0.005	-0.04	99%	0.019	9.91	11.00	0.025	Battery 1#	/
Left tilt	54/5270	802.11n(40M)	0.003	/	/	0.00	99%	/	9.91	11.00	/	Battery 1#	/
Right cheek	54/5270	802.11n(40M)	0.001	/	/	0.00	99%	/	9.91	11.00	/	Battery 1#	/
Right tilt	54/5270	802.11n(40M)	0.003	/	/	0.00	99%	/	9.91	11.00	/	Battery 1#	/
Left cheek	54/5270	802.11n(40M)	0.011	0.007	0.003	-0.18	99%	0.007	9.91	11.00	0.009	Battery 2#	/
Left cheek	62/5310	802.11n(40M)	0.019	0.013	0.003	0.00	99%	0.013	8.40	9.50	0.016	Battery 1#	/
Test data of U-NII-2C band													
Left cheek	110/5550	802.11n(40M)	0.038	0.026	0.007	0.00	99%	0.026	10.21	11.00	0.031	Battery 1#	/
Left tilt	110/5550	802.11n(40M)	0.029	/	/	0.00	99%	/	10.21	11.00	/	Battery 1#	/
Right cheek	110/5550	802.11n(40M)	0.013	/	/	0.00	99%	/	10.21	11.00	/	Battery 1#	/
Right tilt	110/5550	802.11n(40M)	0.017	/	/	-0.16	99%	/	10.21	11.00	/	Battery 1#	/
Left cheek	110/5550	802.11n(40M)	0.028	0.027	0.007	-0.19	99%	0.027	10.21	11.00	0.032	Battery 2#	/
Left cheek	102/5510	802.11n(40M)	0.008	0.017	0.004	0.00	99%	0.017	8.64	9.50	0.021	Battery 2#	/

Left cheek	134/5670	802.11n(40M)	0.008	0.018	0.005	0.00	99%	0.019	7.82	9.50	0.027	Battery 2#	/
Test data of U-NII-3 band													
Left cheek	165/5825	802.11a	0.045	0.029	0.008	-0.18	99%	0.029	9.35	10.00	0.034	Battery 1#	/
Left tilt	165/5825	802.11a	0.040	0.033	0.008	0.12	99%	0.033	9.35	10.00	0.038	Battery 1#	/
Right cheek	165/5825	802.11a	0.034	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Right tilt	165/5825	802.11a	0.029	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Left tilt	165/5825	802.11a	0.045	**0.033**	0.009	-0.18	99%	0.033	9.35	10.00	**0.039**	Battery 2#	/
Left tilt	149/5745	802.11a	0.039	0.031	0.008	0.12	99%	0.031	9.03	10.00	0.039	Battery 2#	/
Left tilt	157/5785	802.11a	0.040	0.032	0.008	0.01	99%	0.032	9.21	10.00	0.039	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)													
Left tilt	110/5550	802.11n(40M)	0.248	**0.218**	0.054	0.11	99%	0.220	9.46	11.00	**0.314**	Battery 2#	Yes
LYA-L0C Test at the worst case (ANT2)													
Left tilt	165/5825	802.11a	0.048	0.018	0.005	0.19	99%	0.018	9.35	10.00	0.021	Battery 2#	/

Table 213: Head SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Head SAR test of WiFi 5G, SAR is measured for 5 GHz 802.11a OFDM using the initial test position procedure. The highest *reported* SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.

2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest *reported* SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)													
Test data of WiFi 5G CDD with Ant1													
Test data of U-NII-1&U-NII-2A band													
Left cheek	54/5270	802.11n(40M)	0.093	0.108	0.034	-0.19	99%	0.109	9.75	11.00	0.145	Battery 1#	/
Left tilt	54/5270	802.11n(40M)	0.128	0.159	0.046	-0.12	99%	0.161	9.75	11.00	0.214	Battery 1#	/
Right cheek	54/5270	802.11n(40M)	0.069	/	/	-0.13	99%	/	9.75	11.00	/	Battery 1#	/
Right tilt	54/5270	802.11n(40M)	0.069	/	/	-0.06	99%	/	9.75	11.00	/	Battery 1#	/
Left cheek	54/5270	802.11n(40M)	0.106	0.112	0.034	-0.13	99%	0.113	9.75	11.00	0.151	Battery 2#	/
Left tilt	54/5270	802.11n(40M)	0.120	0.146	0.041	-0.04	99%	0.147	9.75	11.00	0.197	Battery 2#	/
Left cheek	62/5310	802.11n(40M)	0.079	0.078	0.022	0.04	99%	0.079	8.00	9.50	0.112	Battery 1#	/
Test data of U-NII-2C band													
Left cheek	110/5550	802.11n(40M)	0.157	0.145	0.044	-0.14	99%	0.146	9.46	11.00	0.209	Battery 1#	/
Left tilt	110/5550	802.11n(40M)	0.155	0.183	0.054	-0.18	99%	0.185	9.46	11.00	0.264	Battery 1#	/
Right cheek	110/5550	802.11n(40M)	0.106	/	/	-0.13	99%	/	9.46	11.00	/	Battery 1#	/
Right tilt	110/5550	802.11n(40M)	0.128	/	/	-0.02	99%	/	9.46	11.00	/	Battery 1#	/
Left tilt	110/5550	802.11n(40M)	0.158	0.186	0.054	-0.14	99%	0.188	9.46	11.00	0.268	Battery 2#	/

Test data of U-NII-3 band													
Left cheek	165/5825	802.11a	0.151	/	/	-0.14	99%	/	10.18	11.00	/	Battery 1#	/
Left tilt	165/5825	802.11a	0.173	0.190	0.051	-0.15	99%	0.192	10.18	11.00	0.232	Battery 1#	/
Right cheek	165/5825	802.11a	0.079	/	/	-0.15	99%	/	10.18	11.00	/	Battery 1#	/
Right tilt	165/5825	802.11a	0.095	/	/	-0.17	99%	/	10.18	11.00	/	Battery 1#	/
Left tilt	165/5825	802.11a	0.190	0.199	0.051	-0.19	99%	0.201	10.18	11.00	0.243	Battery 2#	/
Test data of WiFi 5G CDD with Ant2													
Test data of U-NII-1&U-NII-2A band													
Left cheek	54/5270	802.11n(40M)	0.019	0.019	0.005	-0.04	99%	0.019	9.91	11.00	0.025	Battery 1#	/
Left tilt	54/5270	802.11n(40M)	0.003	/	/	0.00	99%	/	9.91	11.00	/	Battery 1#	/
Right cheek	54/5270	802.11n(40M)	0.001	/	/	0.00	99%	/	9.91	11.00	/	Battery 1#	/
Right tilt	54/5270	802.11n(40M)	0.003	/	/	0.00	99%	/	9.91	11.00	/	Battery 1#	/
Left cheek	54/5270	802.11n(40M)	0.011	0.007	0.003	-0.18	99%	0.007	9.91	11.00	0.009	Battery 2#	/
Left cheek	62/5310	802.11n(40M)	0.019	0.013	0.003	0.00	99%	0.013	8.40	9.50	0.016	Battery 1#	/
Test data of U-NII-2C band													
Left cheek	110/5550	802.11n(40M)	0.038	0.026	0.007	0.00	99%	0.026	10.21	11.00	0.031	Battery 1#	/
Left tilt	110/5550	802.11n(40M)	0.029	/	/	0.00	99%	/	10.21	11.00	/	Battery 1#	/
Right cheek	110/5550	802.11n(40M)	0.013	/	/	0.00	99%	/	10.21	11.00	/	Battery 1#	/
Right tilt	110/5550	802.11n(40M)	0.017	/	/	-0.16	99%	/	10.21	11.00	/	Battery 1#	/
Left cheek	110/5550	802.11n(40M)	0.028	0.027	0.007	-0.19	99%	0.027	10.21	11.00	0.032	Battery 2#	/
Test data of U-NII-3 band													
Left cheek	165/5825	802.11a	0.045	0.029	0.008	-0.18	99%	0.029	9.35	10.00	0.034	Battery 1#	/
Left tilt	165/5825	802.11a	0.040	0.033	0.008	0.12	99%	0.033	9.35	10.00	0.038	Battery 1#	/
Right cheek	165/5825	802.11a	0.034	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Right tilt	165/5825	802.11a	0.029	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Left tilt	165/5825	802.11a	0.045	0.033	0.009	-0.18	99%	0.033	9.35	10.00	0.039	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)													
Left tilt	110/5550	802.11n(40M)	0.248	0.218	0.054	0.11	99%	0.220	9.46	11.00	0.314	Battery 2#	/
LYA-L0C Test at the worst case (ANT2)													
Left tilt	165/5825	802.11a	0.048	0.018	0.005	0.19	99%	0.018	9.35	10.00	0.021	Battery 2#	/

Table 214: Head SAR test results of WiFi 5G CDD

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	WiFi 1-g SAR(W/kg)			Accessory Information
				Ant 1	Ant 2	CDD/MIMO (Ant1+Ant2)	
CDD/MIMO							
Test data of U-NII-1&U-NII-2A band							
Left cheek	/	54/5270	802.11n(40M)	0.214	0.025	0.239	Battery 1#
Left tilt	/	54/5270	802.11n(40M)	0.214	0.025	0.239	Battery 1#
Right cheek	/	54/5270	802.11n(40M)	0.214	0.025	0.239	Battery 1#
Right tilt	/	54/5270	802.11n(40M)	0.214	0.025	0.239	Battery 1#
Left cheek	/	54/5270	802.11n(40M)	0.214	0.025	0.239	Battery 2#
Left cheek	/	62/5310	802.11n(40M)	0.112	0.016	0.128	Battery 1#
Test data of U-NII-2C band							
Left cheek	/	110/5550	802.11n(40M)	0.314	0.032	0.346	Battery 1#
Left tilt	/	110/5550	802.11n(40M)	0.314	0.032	0.346	Battery 1#
Right cheek	/	110/5550	802.11n(40M)	0.314	0.032	0.346	Battery 1#
Right tilt	/	110/5550	802.11n(40M)	0.314	0.032	0.346	Battery 1#
Left tilt	/	110/5550	802.11n(40M)	0.314	0.032	0.346	Battery 2#
Test data of U-NII-3 band							
Left cheek	/	165/5825	802.11a	0.243	0.039	0.282	Battery 1#
Left tilt	/	165/5825	802.11a	0.243	0.039	0.282	Battery 1#
Right cheek	/	165/5825	802.11a	0.243	0.039	0.282	Battery 1#
Right tilt	/	165/5825	802.11a	0.243	0.039	0.282	Battery 1#
Left tilt	/	165/5825	802.11a	0.243	0.039	0.282	Battery 2#

Note:

1) Per KDB248227D01, for Head SAR test of WiFi 5G, SAR is measured for 5 GHz 802.11a OFDM using the initial test position procedure. The highest *reported* SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.

2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest *reported* SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)														
ANT1														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	60/5300	802.11a	0.033	0.018	0.008	0.05	99%	0.018	15.16	16.00	0.022	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.089	0.076	0.027	0.13	99%	0.077	15.16	16.00	0.093	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.087	0.078	0.028	-0.11	99%	0.079	15.16	16.00	0.096	Battery 2#	/
Test data of U-NII-2C band														
Front Side	15mm	104/5520	802.11a	0.038	/	/	-0.13	99%	/	15.19	16.00	/	Battery 1#	/
Back Side	15mm	104/5520	802.11a	0.192	0.189	0.071	-0.10	99%	0.191	15.19	16.00	0.230	Battery 1#	/
Back Side	15mm	104/5520	802.11a	0.216	0.211	0.080	-0.14	99%	0.213	15.19	16.00	0.257	Battery 2#	/
Test data of U-NII-3 band														
Front Side	15mm	165/5825	802.11a	0.017	/	/	-0.14	99%	/	10.39	11.00	/	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.055	0.046	0.017	-0.16	99%	0.046	10.39	11.00	0.053	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.065	0.051	0.018	-0.15	99%	0.052	10.39	11.00	0.060	Battery 2#	/
ANT2														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	60/5300	802.11a	0.039	/	/	-0.16	99%	/	14.93	15.00	/	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.318	0.243	0.088	-0.18	99%	0.245	14.93	15.00	0.249	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.421	**0.470**	0.132	-0.19	99%	0.475	14.93	15.00	0.482	Battery 2#	/
Test data of U-NII-2C band														
Front Side	15mm	104/5520	802.11a	0.017	/	/	-0.15	99%	/	14.95	15.00	/	Battery 1#	/
Back Side	15mm	104/5520	802.11a	0.082	0.075	0.025	-0.15	99%	0.076	14.95	15.00	0.077	Battery 1#	/
Back Side	15mm	104/5520	802.11a	0.079	0.069	0.024	-0.17	99%	0.069	14.95	15.00	0.070	Battery 2#	/
Test data of U-NII-3 band														
Front Side	15mm	165/5825	802.11a	0.018	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.031	0.021	0.009	-0.18	99%	0.021	9.35	10.00	0.024	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.029	0.024	0.009	-0.17	99%	0.024	9.35	10.00	0.028	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Back Side	15mm	104/5520	802.11a	0.287	0.294	0.111	0.07	99%	0.297	15.19	16.00	**0.358**	Battery 2#	/
LYA-L0C Test at the worst case (ANT2)														
Back Side	15mm	60/5300	802.11a	0.315	0.339	0.115	-0.11	99%	0.342	14.93	15.00	0.348	Battery 2#	Yes
Front Side	15mm	60/5300	802.11a	0.033	0.018	0.008	-0.05	99%	0.018	14.93	15.00	0.019	Battery 1#	/

Table 215: Body-Worn SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.

2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest *reported* SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);

3) For WiFi 5G U-NII-2A band, the max tune-up power of 64CH is lower than other channels, so SAR test is performed on 60CH.

4) For WiFi 5G U-NII-2C band, the max tune-up power of 100CH and 140CH are lower than other channels, so SAR test is performed on 104CH.

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data From original reported (report NO.:SYBH(Z-SAR)20180706013002-3)														
Test data of WiFi 5G CDD with ANT1														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	60/5300	802.11a	0.033	0.018	0.008	0.05	99%	0.018	15.16	16.00	0.022	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.089	0.076	0.027	0.13	99%	0.077	15.16	16.00	0.093	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.087	0.078	0.028	-0.11	99%	0.079	15.16	16.00	0.096	Battery 2#	/
Test data of U-NII-2C band														
Front Side	15mm	104/5520	802.11a	0.038	/	/	-0.13	99%	/	15.19	16.00	/	Battery 1#	/
Back Side	15mm	104/5520	802.11a	0.192	0.189	0.071	-0.10	99%	0.191	15.19	16.00	0.230	Battery 1#	/
Back Side	15mm	104/5520	802.11a	0.216	0.211	0.080	-0.14	99%	0.213	15.19	16.00	0.257	Battery 2#	/
Test data of U-NII-3 band														
Front Side	15mm	165/5825	802.11a	0.017	/	/	-0.14	99%	/	10.39	11.00	/	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.055	0.046	0.017	-0.16	99%	0.046	10.39	11.00	0.053	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.065	0.051	0.018	-0.15	99%	0.052	10.39	11.00	0.060	Battery 2#	/
Test data of WiFi 5G CDD with ANT2														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	60/5300	802.11a	0.039	/	/	-0.16	99%	/	14.93	15.00	/	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.318	0.243	0.088	-0.18	99%	0.245	14.93	15.00	0.249	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.421	**0.470**	0.132	-0.19	99%	0.475	14.93	15.00	**0.482**	Battery 2#	/
Test data of U-NII-2C band														
Front Side	15mm	104/5520	802.11a	0.017	/	/	-0.15	99%	/	14.95	15.00	/	Battery 1#	/
Back Side	15mm	104/5520	802.11a	0.082	0.075	0.025	-0.15	99%	0.076	14.95	15.00	0.077	Battery 1#	/
Back Side	15mm	104/5520	802.11a	0.079	0.069	0.024	-0.17	99%	0.069	14.95	15.00	0.070	Battery 2#	/
Test data of U-NII-3 band														
Front Side	15mm	165/5825	802.11a	0.018	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.031	0.021	0.009	-0.18	99%	0.021	9.35	10.00	0.024	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.029	0.024	0.009	-0.17	99%	0.024	9.35	10.00	0.028	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Back Side	15mm	104/5520	802.11a	0.287	0.294	0.111	0.07	99%	0.297	15.19	16.00	**0.358**	Battery 2#	/
LYA-L0C Test at the worst case (ANT2)														
Back Side	15mm	60/5300	802.11a	0.315	0.339	0.115	-0.11	99%	0.342	14.93	15.00	0.348	Battery 2#	/
Front Side	15mm	60/5300	802.11a	0.033	0.018	0.008	-0.05	99%	0.018	14.93	15.00	0.019	Battery 1#	/

Table 216: Body-Worn SAR test results of WiFi 5G CDD

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	WiFi Reported 1-g SAR (W/kg)1-g SAR			Accessory Information
				Ant 1	Ant 2	CDD/MIMO (Ant1+Ant2)	
CDD/MIMO							
Test data of U-NII-1&U-NII-2A band							
Front Side	15mm	60/5300	802.11a	0.096	0.019	0.115	Battery 1#
Back Side	15mm	60/5300	802.11a	0.096	0.482	0.578	Battery 1#
Back Side	15mm	60/5300	802.11a	0.096	0.482	0.578	Battery 2#
Test data of U-NII-2C band							
Front Side	15mm	104/5520	802.11a	0.358	0.077	0.435	Battery 1#
Back Side	15mm	104/5520	802.11a	0.358	0.077	0.435	Battery 1#
Back Side	15mm	104/5520	802.11a	0.358	0.077	0.435	Battery 2#
Test data of U-NII-3 band							
Front Side	15mm	165/5825	802.11a	0.060	0.028	0.088	Battery 1#
Back Side	15mm	165/5825	802.11a	0.060	0.028	0.088	Battery 1#
Back Side	15mm	165/5825	802.11a	0.060	0.028	0.088	Battery 2#

Table 217: Body-Worn SAR of WiFi 5G CDD

Note:

1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.

2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest *reported* SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)														
ANT1														
Test data of U-NII-1 band														
Front Side	10mm	48/5240	802.11a	0.052	0.040	0.014	-0.12	99%	0.040	15.02	16.00	0.050	Battery 1#	/
Back Side	10mm	48/5240	802.11a	0.121	0.118	0.042	-0.18	99%	0.119	15.02	16.00	0.149	Battery 1#	/
Right Side	10mm	48/5240	802.11a	0.048	/	/	0.09	99%	/	15.02	16.00	/	Battery 1#	/
Top Side	10mm	48/5240	802.11a	0.172	0.164	0.064	-0.14	99%	0.166	15.02	16.00	0.208	Battery 1#	/
Back Side	10mm	48/5240	802.11a	0.129	0.131	0.046	-0.15	99%	0.132	15.02	16.00	0.166	Battery 1#	/
Top Side	10mm	48/5240	802.11a	0.245	0.181	0.076	-0.18	99%	0.183	15.02	16.00	0.229	Battery 2#	/
Test data of U-NII-3 band														
Front Side	10mm	165/5825	802.11a	0.025	0.015	0.006	-0.16	99%	0.016	10.39	11.00	0.018	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.119	0.110	0.037	-0.13	99%	0.111	10.39	11.00	0.128	Battery 1#	/
Right Side	10mm	165/5825	802.11a	0.028	/	/	-0.13	99%	/	10.39	11.00	/	Battery 1#	/
Top Side	10mm	165/5825	802.11a	0.077	/	/	-0.16	99%	/	10.39	11.00	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.090	0.076	0.026	-0.16	99%	0.076	10.39	11.00	0.088	Battery 2#	/
ANT2														
Test data of U-NII-1 band														
Front Side	10mm	48/5240	802.11a	0.026	/	/	-0.17	99%	/	14.98	15.00	/	Battery 1#	/
Back Side	10mm	48/5240	802.11a	0.342	0.387	0.116	-0.02	99%	0.391	14.98	15.00	0.393	Battery 1#	/
Right Side	10mm	48/5240	802.11a	0.139	/	/	-0.19	99%	/	14.98	15.00	/	Battery 1#	/
Top Side	10mm	48/5240	802.11a	0.076	0.086	0.021	-0.17	99%	0.087	14.98	15.00	0.087	Battery 1#	/
Back Side	10mm	48/5240	802.11a	0.352	**0.398**	0.117	-0.11	99%	0.402	14.98	15.00	**0.404**	Battery 2#	/
Test data of U-NII-3 band														
Front Side	10mm	165/5825	802.11a	0.012	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.034	0.028	0.010	-0.14	99%	0.028	9.35	10.00	0.033	Battery 1#	/
Right Side	10mm	165/5825	802.11a	0.017	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Top Side	10mm	165/5825	802.11a	0.018	/	/	-0.18	99%	/	9.35	10.00	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.041	0.032	0.011	-0.14	99%	0.033	9.35	10.00	0.038	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Top Side	10mm	48/5240	802.11a	0.208	**0.201**	0.077	0.04	99%	0.203	15.02	16.00	**0.254**	Battery 2#	/
LYA-L0C Test at the worst case (ANT2)														
Back Side	10mm	48/5240	802.11a	0.273	0.302	0.087	-0.14	99%	0.305	14.98	15.00	0.306	Battery 2#	Yes
Top Side	10mm	48/5240	802.11a	0.059	0.049	0.020	-0.06	99%	0.049	14.98	15.00	0.050	Battery 2#	/

Table 218: Hotspot SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Hotspot SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.

2) The device do not support hotspot function at U-NII-2A & U-NII-2C band.

3) For U-NII-1, the max tune-up power of 36CH is lower than other channels, so SAR test is performed on 48CH.

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)														
Test data of WiFi 5G CDD with ANT1														
Test data of U-NII-1 band														
Front Side	10mm	48/5240	802.11a	0.052	0.040	0.014	-0.12	99%	0.040	15.02	16.00	0.050	Battery 1#	/
Back Side	10mm	48/5240	802.11a	0.121	0.118	0.042	-0.18	99%	0.119	15.02	16.00	0.149	Battery 1#	/
Right Side	10mm	48/5240	802.11a	0.048	/	/	0.09	99%	/	15.02	16.00	/	Battery 1#	/
Top Side	10mm	48/5240	802.11a	0.172	0.164	0.064	-0.14	99%	0.166	15.02	16.00	0.208	Battery 1#	/
Top Side	10mm	48/5240	802.11a	0.245	0.181	0.076	-0.18	99%	0.183	15.02	16.00	0.229	Battery 2#	/
Test data of U-NII-3 band														
Front Side	10mm	165/5825	802.11a	0.025	0.015	0.006	-0.16	99%	0.016	10.39	11.00	0.018	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.119	0.110	0.038	-0.13	99%	0.111	10.39	11.00	0.128	Battery 1#	/
Right Side	10mm	165/5825	802.11a	0.028	/	/	-0.13	99%	/	10.39	11.00	/	Battery 1#	/
Top Side	10mm	165/5825	802.11a	0.077	/	/	-0.16	99%	/	10.39	11.00	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.090	0.076	0.026	-0.16	99%	0.076	10.39	11.00	0.088	Battery 2#	/
Test data of WiFi 5G CDD with ANT2														
Test data of U-NII-1 band														
Front Side	10mm	48/5240	802.11a	0.026	/	/	-0.17	99%	/	14.98	15.00	/	Battery 1#	/
Back Side	10mm	48/5240	802.11a	0.342	0.387	0.116	-0.02	99%	0.391	14.98	15.00	0.393	Battery 1#	/
Right Side	10mm	48/5240	802.11a	0.139			-0.19	99%	0.000	14.98	15.00	0.000	Battery 1#	/
Top Side	10mm	48/5240	802.11a	0.076	0.086	0.021	-0.17	99%	0.087	14.98	15.00	0.087	Battery 1#	/
Top Side	10mm	48/5240	802.11a	0.070	/	/	-0.13	99%	/	14.98	15.00	/	Battery 2#	/
Test data of U-NII-3 band														
Front Side	10mm	165/5825	802.11a	0.012	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.034	0.028	0.010	-0.14	99%	0.028	9.35	10.00	0.033	Battery 1#	/
Right Side	10mm	165/5825	802.11a	0.017	/	/	0.00	99%	/	9.35	10.00	/	Battery 1#	/
Top Side	10mm	165/5825	802.11a	0.018	/	/	-0.18	99%	/	9.35	10.00	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.041	0.032	0.011	-0.14	99%	0.033	9.35	10.00	0.038	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Top Side	10mm	48/5240	802.11a	0.208	**0.201**	0.077	0.04	99%	0.203	15.02	16.00	**0.254**	Battery 2#	/
LYA-L0C Test at the worst case (ANT2)														
Back Side	10mm	48/5240	802.11a	0.273	0.302	0.087	-0.14	99%	0.305	14.98	15.00	0.306	Battery 2#	/
Top Side	10mm	48/5240	802.11a	0.059	0.049	0.020	-0.06	99%	0.049	14.98	15.00	0.050	Battery 2#	/

Table 219: Hotspot SAR test results of WiFi 5G CDD

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	WiFi Reported 1-g SAR (W/kg)1-g SAR			Accessory Information
				Ant 1	Ant 2	CDD/MIMO (Ant1+Ant2)	
CDD/MIMO							
Test data of U-NII-1 band							
Front Side	10mm	48/5240	802.11a	0.254	0.404	0.658	Battery 1#
Back Side	10mm	48/5240	802.11a	0.254	0.404	0.658	Battery 1#
Right Side	10mm	48/5240	802.11a	0.254	0.404	0.658	Battery 1#
Top Side	10mm	48/5240	802.11a	0.254	0.050	0.304	Battery 1#
Top Side	10mm	48/5240	802.11a	0.254	0.050	0.304	Battery 2#
Test data of U-NII-3 band							
Front Side	10mm	165/5825	802.11a	0.128	0.038	0.166	Battery 1#
Back Side	10mm	165/5825	802.11a	0.128	0.038	0.166	Battery 1#
Right Side	10mm	165/5825	802.11a	0.128	0.038	0.166	Battery 1#
Top Side	10mm	165/5825	802.11a	0.128	0.038	0.166	Battery 1#
Back Side	10mm	165/5825	802.11a	0.128	0.038	0.166	Battery 2#

Table 220: Hotspot SAR of WiFi 5G CDD

Note:

1) Per KDB248227D01, for Hotspot SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.

2) The device do not support hotspot function at U-NII-2A & U-NII-2C band.

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 10-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)														
ANT1														
Test data of U-NII-2A band														
Front Side	0mm	60/5300	802.11a	0.717	0.729	0.255	-0.10	99%	0.258	15.16	16.00	0.313	Battery 1#	/
Back Side	0mm	60/5300	802.11a	1.120	1.480	0.409	-0.12	99%	0.413	15.16	16.00	0.501	Battery 1#	/
Right Side	0mm	60/5300	802.11a	0.267	/	/	-0.13	99%	/	15.16	16.00	/	Battery 1#	/
Top Side	0mm	60/5300	802.11a	2.730	2.980	0.707	-0.12	99%	0.714	15.16	16.00	0.867	Battery 1#	/
Back Side	0mm	60/5300	802.11a	1.410	1.550	0.426	0.10	99%	0.430	15.16	16.00	0.522	Battery 2#	/
Top Side	0mm	60/5300	802.11a	2.710	3.760	1.020	0.18	99%	1.030	15.16	16.00	1.250	Battery 2#	/
Back Side	4mm*	60/5300	802.11a	0.317	0.409	0.122	-0.17	99%	0.123	15.16	16.00	0.150	Battery 1#	/
Test data of U-NII-2C band														
Front Side	0mm	104/5520	802.11a	1.090	0.998	0.340	0.00	99%	0.343	15.19	16.00	0.414	Battery 1#	/
Back Side	0mm	104/5520	802.11a	1.320	1.640	0.438	-0.14	99%	0.442	15.19	16.00	0.533	Battery 1#	/
Right Side	0mm	104/5520	802.11a	0.562	/	/	0.00	99%	/	15.19	16.00	/	Battery 1#	/
Top Side	0mm	104/5520	802.11a	3.150	4.060	0.995	0.16	99%	1.005	15.19	16.00	1.211	Battery 1#	/
Top Side	0mm	104/5520	802.11a	3.220	3.700	0.882	0.16	99%	0.891	15.19	16.00	1.074	Battery 2#	/
Back Side	4mm*	104/5520	802.11a	0.765	0.965	0.281	0.14	99%	0.284	15.19	16.00	0.342	Battery 1#	/
ANT2														
Test data of U-NII-2A band														
Front Side	0mm	60/5300	802.11a	0.128	0.151	0.045	0.00	99%	0.045	14.93	15.00	0.046	Battery 1#	/
Back Side	0mm	60/5300	802.11a	4.100	5.940	**1.200**	0.07	99%	1.212	14.93	15.00	**1.232**	Battery 1#	/
Right Side	0mm	60/5300	802.11a	1.500	1.680	0.376	-0.08	99%	0.380	14.93	15.00	0.386	Battery 1#	/
Top Side	0mm	60/5300	802.11a	0.524	0.519	0.127	-0.01	99%	0.128	14.93	15.00	0.130	Battery 1#	/
Back Side	0mm	60/5300	802.11a	0.690	6.930	1.170	-0.05	99%	1.182	14.93	15.00	1.201	Battery 2#	/
Back Side	4mm*	60/5300	802.11a	0.980	1.580	0.331	-0.14	99%	0.334	14.93	15.00	0.340	Battery 2#	/
Test data of U-NII-2C band														
Front Side	0mm	104/5520	802.11a	0.164	/	/	-0.14	99%	/	14.95	15.00	/	Battery 1#	/
Back Side	0mm	104/5520	802.11a	1.870	2.360	0.489	-0.08	99%	0.494	14.95	15.00	0.500	Battery 1#	/
Right Side	0mm	104/5520	802.11a	0.604	/	/	-0.07	99%	/	14.95	15.00	/	Battery 1#	/
Top Side	0mm	104/5520	802.11a	0.187	/	/	-0.17	99%	/	14.95	15.00	/	Battery 1#	/
Top Side	0mm	104/5520	802.11a	0.254	0.298	0.063	0.13	99%	0.064	14.95	15.00	0.065	Battery 1#	/
Back Side	0mm	104/5520	802.11a	2.980	3.790	0.767	0.06	99%	0.775	14.95	15.00	0.784	Battery 2#	/
Back Side	4mm*	104/5520	802.11a	0.527	0.894	0.194	-0.14	99%	0.196	14.93	15.00	0.199	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Top Side	0mm	60/5300	802.11a	3.830	4.350	1.020	0.00	99%	1.030	15.16	16.00	**1.250**	Battery 2#	/
LYA-L0C Test at the worst case (ANT2)														
Back Side	0mm	60/5300	802.11a	4.060	4.930	1.030	-0.15	99%	1.040	14.50	15.00	1.167	Battery 1#	Yes

Table 221: Product Specific 10-g SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 75% limit, so SAR for other WiFi 5G mode is not required.

2) * These additional SAR test results are only used to determine Simultaneous Transmission SAR test exclusion(Refer to section 7.3.3 for details).

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 10-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)														
Test data of WiFi 5G CDD with ANT1														
Test data of U-NII-2A band														
Front Side	0mm	60/5300	802.11a	0.717	0.729	0.255	-0.10	99%	0.258	15.16	16.00	0.313	Battery 1#	/
Back Side	0mm	60/5300	802.11a	1.120	1.480	0.409	-0.12	99%	0.413	15.16	16.00	0.501	Battery 1#	/
Right Side	0mm	60/5300	802.11a	0.267	/	/	-0.13	99%	/	15.16	16.00	/	Battery 1#	/
Top Side	0mm	60/5300	802.11a	2.710	3.760	1.020	0.18	99%	1.030	15.16	16.00	1.250	Battery 1#	/
Back Side	0mm	60/5300	802.11a	1.410	1.550	0.426	0.10	99%	0.430	15.16	16.00	0.522	Battery 2#	/
Back Side	4mm*	60/5300	802.11a	0.317	0.409	0.122	-0.17	99%	0.123	15.16	16.00	0.150	Battery 1#	/
Test data of U-NII-2C band														
Front Side	0mm	104/5520	802.11a	1.090	0.998	0.340	0.00	99%	0.343	15.19	16.00	0.414	Battery 1#	/
Back Side	0mm	104/5520	802.11a	1.320	1.640	0.438	-0.14	99%	0.442	15.19	16.00	0.533	Battery 1#	/
Right Side	0mm	104/5520	802.11a	0.562	/	/	0.00	99%	/	15.19	16.00	/	Battery 1#	/
Top Side	0mm	104/5520	802.11a	3.150	4.060	0.995	0.16	99%	1.005	15.19	16.00	1.211	Battery 1#	/
Top Side	0mm	104/5520	802.11a	3.220	3.700	0.882	0.16	99%	0.891	15.19	16.00	1.074	Battery 2#	/
Back Side	4mm*	104/5520	802.11a	0.765	0.965	0.281	0.14	99%	0.284	15.19	16.00	0.342	Battery 1#	/
Test data of WiFi 5G CDD with ANT2														
Test data of U-NII-2A band														
Front Side	0mm	60/5300	802.11a	0.128	0.151	0.045	0.00	99%	0.045	14.93	15.00	0.046	Battery 1#	/
Back Side	0mm	60/5300	802.11a	4.100	5.940	**1.200**	0.07	99%	1.212	14.93	15.00	**1.232**	Battery 1#	/
Right Side	0mm	60/5300	802.11a	1.500	1.680	0.376	-0.08	99%	0.380	14.93	15.00	0.386	Battery 1#	/
Top Side	0mm	60/5300	802.11a	0.524	0.519	0.127	-0.01	99%	0.128	14.93	15.00	0.130	Battery 1#	/
Back Side	0mm	60/5300	802.11a	0.690	6.930	1.170	-0.05	99%	1.182	14.93	15.00	1.201	Battery 2#	/
Back Side	4mm*	60/5300	802.11a	0.980	1.580	0.331	-0.14	99%	0.334	14.93	15.00	0.340	Battery 2#	/
Test data of U-NII-2C band														
Front Side	0mm	104/5520	802.11a	0.147	0.178	0.053	-0.14	99%	0.053	14.95	15.00	0.054	Battery 1#	/
Back Side	0mm	104/5520	802.11a	1.870	2.360	0.489	-0.08	99%	0.494	14.95	15.00	0.500	Battery 1#	/
Right Side	0mm	104/5520	802.11a	0.604	/	/	-0.07	99%	/	14.95	15.00	/	Battery 1#	/
Top Side	0mm	104/5520	802.11a	0.187	/	/	-0.17	99%	/	14.95	15.00	/	Battery 1#	/
Top Side	0mm	104/5520	802.11a	0.254	0.298	0.063	0.13	99%	0.064	14.95	15.00	0.065	Battery 2#	/
Back Side	0mm	104/5520	802.11a	2.980	3.790	0.767	0.06	99%	0.775	14.95	15.00	0.784	Battery 2#	/
Back Side	4mm*	104/5520	802.11a	0.527	0.894	0.194	-0.14	99%	0.196	14.93	15.00	0.199	Battery 2#	/
LYA-L0C Test at the worst case (ANT1)														
Top Side	0mm	60/5300	802.11a	3.830	4.350	**1.020**	0.00	99%	1.030	15.16	16.00	**1.250**	Battery 2#	/
LYA-L0C Test at the worst case (ANT2)														
Back Side	0mm	60/5300	802.11a	4.060	4.930	1.030	-0.15	99%	1.040	14.50	15.00	1.167	Battery 1#	/

Table 222: Product Specific 10-g SAR test results of WiFi 5G CDD

Note :

1) * These additional SAR test results are only used to determine Simultaneous Transmission SAR test exclusion(Refer to section 7.3.3 for details).

2) For WiFi 5G U-NII-2A band, the max tune-up power of 64CH is lower than other channels, so SAR test is performed on 60CH.

3) For WiFi 5G U-NII-2C band, the max tune-up power of 100CH and 140CH are lower than other channels, so SAR test is performed on 104CH.

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	WiFi Reported 1-g SAR(W/kg)			Accessory Information
				Ant 1	Ant 2	CDD/MIMO (Ant1+Ant2)	
CDDMIMO							
Test data of U-NII-2A band							
Front Side	0mm	60/5300	802.11a	0.313	0.046	0.359	Battery 1#
Back Side	0mm	60/5300	802.11a	0.522	1.232	1.754	Battery 1#
Right Side	0mm	60/5300	802.11a	1.250	0.386	1.636	Battery 1#
Top Side	0mm	60/5300	802.11a	1.250	0.130	1.380	Battery 1#
Back Side	4mm*	60/5300	802.11a	0.150	0.340	0.490	Battery 1#
Test data of U-NII-2C band							
Front Side	0mm	104/5520	802.11a	0.414	0.054	0.468	Battery 1#
Back Side	0mm	104/5520	802.11a	0.533	0.784	1.317	Battery 1#
Right Side	0mm	104/5520	802.11a	1.211	0.784	1.995	Battery 1#
Top Side	0mm	104/5520	802.11a	1.211	0.065	1.276	Battery 1#
Back Side	4mm*	104/5520	802.11a	0.342	0.199	0.541	Battery 1#

Table 223: Product Specific 10-g SAR of WiFi 5G CDD

Note:

1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 75% limit, so SAR for other WiFi 5G mode is not required.

2) * These additional SAR test results are only used to determine Simultaneous Transmission SAR test exclusion(Refer to section 7.3.3 for details).

7.2.18 SAR measurement Result of BT

Test Position of Head	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Actual duty factor	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported SAR1-g (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)												
Left cheek	70/2472	DH5	0.051	0.021	-0.08	77%	0.066	8.78	10.00	0.088	Battery 1#	/
Left tilt	70/2472	DH5	0.044	0.020	0.10	77%	0.057	8.78	10.00	0.058	Battery 1#	/
Right cheek	70/2472	DH5	0.022	0.010	-0.02	77%	0.029	8.78	10.00	0.030	Battery 1#	/
Right tilt	70/2472	DH5	0.024	0.012	0.02	77%	0.032	8.78	10.00	0.032	Battery 1#	/
Left cheek	70/2472	DH5	0.037	0.014	-0.11	77%	0.048	8.78	10.00	0.049	Battery 2#	/
Left cheek	11/2413	DH5	0.031	0.014	0.03	77%	0.040	8.02	10.00	0.049	Battery 1#	/
Left cheek	78/2480	DH5	0.038	0.015	0.05	77%	0.049	8.30	10.00	0.055	Battery 1#	/
LYA-L0C Test at the worst case												
Left cheek	70/2472	DH5	**0.072**	0.037	-0.12	77%	0.093	8.78	10.00	**0.095**	Battery 1#	Yes

Table 224: Head SAR test results of BT

Note: For BT SAR, the max tune-up power of 11CH~78CH are higher than other channels, so SAR test is performed on 11-70-78CH.

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Actual duty factor	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Front Side	15mm	70/2472	DH5	0.004	0.001	-0.05	77%	0.005	8.78	10.00	0.006	Battery 1#	/
Back Side	15mm	70/2472	DH5	0.002	0.001	-0.04	77%	0.003	8.78	10.00	0.004	Battery 1#	/
Front Side	15mm	70/2472	DH5	**0.004**	0.001	-0.03	77%	0.006	8.78	10.00	**0.008**	Battery 2#	Yes

Table 225:Body-Worn SAR test results of BT

Note: For BT SAR, the max tune-up power of 11CH~78CH are higher than other channels, so SAR test is performed on 70CH.

Test Position of Hotspot	Dist.	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Actual duty factor	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported SAR10-g (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Front Side	10mm	70/2472	DH5	0.024	0.012	-0.15	77%	0.031	8.78	10.00	0.041	Battery 1#	/
Back Side	10mm	70/2472	DH5	**0.031**	0.013	0.13	77%	0.040	8.78	10.00	**0.053**	Battery 1#	Yes
Right Side	10mm	70/2472	DH5	0.024	0.011	0.09	77%	0.031	8.78	10.00	0.041	Battery 1#	/
Top Side	10mm	70/2472	DH5	0.015	0.007	0.10	77%	0.019	8.78	10.00	0.025	Battery 1#	/
Back Side	10mm	70/2472	DH5	0.030	0.013	0.13	77%	0.038	8.78	10.00	0.051	Battery 2#	/

Table 226:Hotspot SAR test results of BT

Note: For BT SAR, the max tune-up power of 11CH~78CH are higher than other channels, so SAR test is performed on 70CH.

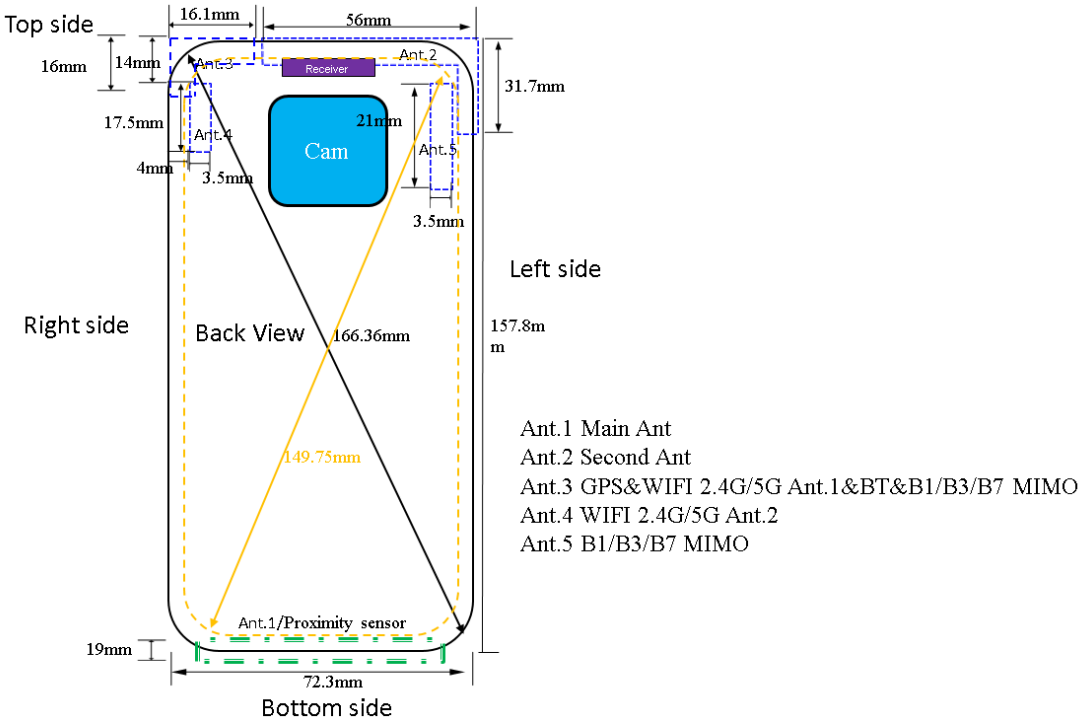
Product Specific 10-g SAR	Dist.	Test channel /Freq.(MHz)	Test Mode	SAR Value (W/kg)		Power Drift (dB)	Actual duty factor	Scaled 10-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported SAR10-g (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)													
Front Side	0mm	70/2472	DH5	0.159	0.075	0.06	77%	0.098	8.78	10.00	0.130	Battery 1#	/
Back Side	0mm	70/2472	DH5	0.152	0.067	0.13	77%	0.087	8.78	10.00	0.115	Battery 1#	/
Right Side	0mm	70/2472	DH5	0.001	0.000	0.14	77%	0.001	8.78	10.00	0.001	Battery 1#	/
Top Side	0mm	70/2472	DH5	0.291	0.100	0.15	77%	0.130	8.78	10.00	0.172	Battery 1#	/
Top Side	0mm	70/2472	DH5	0.258	0.099	-0.12	77%	0.128	8.78	10.00	0.170	Battery 2#	/
LYA-L0C Test at the worst case													
Top Side	0mm	70/2472	DH5	0.263	**0.101**	0.14	77%	0.131	8.78	10.00	**0.174**	Battery 1#	Yes

Table 227:Product Specific 10-g SAR test results of BT

Note: For BT SAR, the max tune-up power of 11CH~78CH are higher than other channels, so SAR test is performed on 70CH.

7.3 Multiple Transmitter Evaluation

The following tables list information which is relevant for the decision if a simultaneous transmit evaluation is necessary according to FCC KDB 447498D01 General RF Exposure Guidance v06.
The location of the antennas inside the device is shown as below picture:



Note:
1) Per KDB 648474 D04, because the diagonal distance of this device is ≥160mm,so it is a phablet .
2) Main antenna(Ant1) and Secondary antenna(Ant.2)can't transmit simultaneously. Only one antenna can be used for 2G/3G/4G transmission at a time. Ant.1,Ant.2,Ant.3, Ant.5 supports DL LTE 4*4 MIMO (LTE Band B7).
3) Ant.5 does not support TX function.

Mode	Exposure Condition	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
Main Ant	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	Yes	No	Yes
Second Ant	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	Yes	Yes	No
WiFi2.4G/5G Ant 1/BT Ant	Hotspot/ Product specific 10g SAR	Yes	Yes	No	Yes	Yes	No
WiFi2.4G/5G Ant 2	Hotspot/ Product specific 10g SAR	Yes	Yes	No	Yes	Yes	No

Table 228: Sides for Hotspot testing

Note:
1) Per KDB 941225 D06 and KDB 648474 D04, particular DUT edges were not required to be evaluated for Hotspot SAR if the antenna-to-edge distance is greater than 2.5cm;
2) WiFi 5G U-NII-2A and U-NII-2C band does not support hotspot function, therefore U-NII-2A and U-NII-2C were not evaluated for hotspot SAR .

7.3.1 Stand-alone SAR test exclusion

Per FCC KDB 447498D01v06, the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Mode	Position	P_{max} (dBm)*	P_{max} (mW)	Distance (mm)	f (GHz)	Calculation Result	SAR Exclusion threshold	SAR test exclusion
BT	Body-Worn	10.00	10.00	15	2.480	1.05	3.00	Yes**
BT	Hotspot	10.00	10.00	10	2.480	1.57	3.00	Yes**

Table 229: Standalone SAR test exclusion for BT

Note:

1)* - maximum possible output power declared by manufacturer

2) **-Per KDB447498D01, for situations where the estimated SAR is overly conservative for certain conditions, the test lab may choose to perform standalone SAR measurements, then use the reported SAR to determine simultaneous transmission SAR test exclusion.

7.3.2 Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities of this device are as below:

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1) + BT	Yes	Yes	N/A	Yes
2	GSM DATA(Ant 1) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 2) + BT	Yes	Yes	N/A	Yes
4	GSM DATA (Ant 2)+ BT	N/A	Yes	Yes	Yes
5	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi- Fi 2.4G MIMO	Yes	Yes	N/A	Yes
6	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	N/A	Yes	Yes	Yes
7	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	N/A	Yes
8	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	N/A	Yes	Yes	Yes
9	UMTS (Ant 1) + BT	Yes	Yes	Yes	Yes
10	UMTS (Ant 2) + BT	Yes	Yes	Yes	Yes
11	UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	Yes	Yes
12	UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	Yes	Yes
13	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	Yes	Yes
14	LTE(Ant 1) + BT	Yes	Yes	Yes	Yes
15	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO	Yes	Yes	Yes	Yes
16	LTE (Ant 2) + BT	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi- Fi 5G MIMO	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	N/A	Yes
20	GSM DATA(Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	N/A	Yes	Yes	Yes
21	UMTS (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
22	UMTS (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
23	LTE (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
24	LTE (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO	Yes	Yes	Yes	Yes
25	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	N/A	Yes
26	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	Yes	Yes

27	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	N/A	Yes
28	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	N/A	Yes	Yes	Yes
29	UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
30	UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
31	LTE (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
32	LTE (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)	Yes	Yes	Yes	Yes
33	GSM Voice(Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A	Yes
34	GSM DATA(Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	N/A	Yes	Yes	Yes
35	GSM Voice(Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	N/A	Yes
36	GSM DATA (Ant 2)+ BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	N/A	Yes	Yes	Yes
37	UMTS (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
38	UMTS (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
39	LTE (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes
40	LTE (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)	Yes	Yes	Yes	Yes

Table 230: Simultaneous Transmission Possibilities

Note:

1) Neither Wi-Fi 2.4G Ant.1 nor Wi-Fi 2.4G Ant.2 can transmit simultaneously with Bluetooth.
2) Wi-Fi 5G Ant.1 can transmit simultaneously with Bluetooth and Ant.2 also can transmit simultaneously with Bluetooth.
3) Wi-Fi 2.4G has two TX antennas. Wi-Fi 2.4G 802.11g/n support 2*2 CDD/MIMO function.
4) Wi-Fi 5G has two TX antennas. Wi-Fi 5G 802.11 a/n/ac support 2*2 CDD/MIMO function.
5) Wi-Fi 2.4G& Wi-Fi 5G can't work at same mode, but they can transmit simultaneously at different modes (Wi-Fi station/P-to-P) by using different Wi-Fi antennas. Only Wi-Fi 2.4G Ant1 station mode and Wi-Fi 5G Ant2 P-to-P mode or Wi-Fi 2.4G Ant1 P-to-P mode and Wi-Fi 5G Ant2 P-to-P mode can transmit simultaneously.
6) The device does not support DTM function.
7) * VoLTE or pre-installed VOIP applications are considered.
8) The Main Antenna (Ant1) and Second Antenna (Ant 2) can't transmit simultaneously.
9) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
10) The device supports Vo- WiFi function.
11) WiFi 5G ANT1 and WiFi 2.4G ANT2 can not transmit simultaneously.

7.3.3 SAR Summation Scenario

Test Position		Second antenna SARMax															Second antenna MaxSAR
		GSM850	GSM1900	UMTS B2	UMTS B4	UMTS B5	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B17	LTE B26	LTE B38	LTE B41	LTE B66	1
Head	Left cheek	0.422	0.196	0.193	0.100	0.558	0.088	0.231	0.516	0.260	0.546	/	0.468	0.195	0.186	0.437	0.558
	Left tilt	0.310	0.205	0.243	0.098	0.394	0.115	0.176	0.298	0.307	0.383	/	0.488	0.244	0.232	0.349	0.488
	Right cheek	0.402	0.283	0.377	0.180	0.496	0.186	0.367	0.357	0.403	0.420	/	0.583	0.343	0.464	0.487	0.496
	Right tilt	0.319	0.353	0.531	0.111	0.411	0.254	0.257	0.249	0.524	0.349	/	0.411	0.415	0.355	0.551	0.551
Body Worn	Front Side	0.049	0.035	0.127	0.118	0.184	0.083	0.065	0.171	0.125	0.188	/	0.169	0.141	0.241	0.166	0.241
	Back Side	0.061	0.041	0.148	0.159	0.196	0.087	0.122	0.138	0.186	0.169	/	0.141	0.131	0.190	0.233	0.233
Hotspot	Front Side	0.124	0.076	0.326	0.267	0.325	0.123	0.120	0.276	0.301	0.405	/	0.376	0.202	0.384	0.255	0.405
	Back Side	0.113	0.106	0.322	0.273	0.363	0.138	0.186	0.258	0.335	0.433	/	0.352	0.292	0.600	0.201	0.600
	Left Side	0.089	0.015	0.033	0.022	0.207	0.026	0.014	0.180	0.187	0.201	/	0.218	0.124	0.230	0.013	0.230
	Right Side	0.019	0.006	0.008	0.016	0.050	0.015	0.023	0.038	0.072	0.051	/	0.052	0.045	0.052	0.010	0.072
	Top Side	0.075	0.190	0.423	0.346	0.202	0.251	0.157	0.153	0.884	0.256	/	0.285	0.522	0.636	0.318	0.884
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
Product Specific 10-g SAR	Front Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
	Back Side（4mm）	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
	Back Side（0mm）	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
	Left Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000

Table 231: Second antenna Max SAR

Test Position		Main antenna SARMax															Main antenna MaxSAR
		GSM850	GSM1900	UMTS B2	UMTS B4	UMTS B5	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B17	LTE B26	LTE B38	LTE B41	LTE B66	1
Head	Left cheek	0.125	0.087	0.192	0.233	0.144	0.172	0.177	0.162	0.077	0.128	/	0.132	0.035	0.020	0.168	0.233
	Left tilt	0.060	0.025	0.173	0.055	0.069	0.073	0.044	0.097	0.086	0.087	/	0.100	0.022	0.020	0.060	0.173
	Right cheek	0.268	0.050	0.109	0.092	0.261	0.094	0.083	0.311	0.162	0.162	/	0.302	0.081	0.085	0.089	0.311
	Right tilt	0.075	0.037	0.082	0.058	0.087	0.083	0.051	0.092	0.053	0.072	/	0.069	0.015	0.014	0.067	0.092
Body Worn	Front Side	0.187	0.301	0.673	0.737	0.185	0.236	0.634	0.212	0.431	0.198	/	0.212	0.143	0.144	0.950	0.950
	Back Side	0.251	0.368	0.807	0.944	0.303	0.321	0.946	0.283	0.242	0.252	/	0.315	0.181	0.174	0.923	0.946
Hotspot	Front Side	0.393	0.202	0.264	0.391	0.263	0.234	0.278	0.336	0.806	0.289	/	0.276	0.299	0.294	0.249	0.806
	Back Side	0.532	0.256	0.366	0.420	0.482	0.304	0.359	0.458	0.695	0.326	/	0.404	0.345	0.351	0.294	0.695
	Left Side	0.152	0.018	0.029	0.024	0.086	0.026	0.020	0.107	0.129	0.135	/	0.093	0.145	0.122	0.017	0.152
	Right Side	0.362	0.034	0.049	0.055	0.324	0.038	0.042	0.346	0.023	0.301	/	0.303	0.042	0.043	0.042	0.362
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
	Bottom Side	0.198	0.503	0.765	0.777	0.163	0.571	0.689	0.210	0.295	0.143	/	0.224	0.325	0.235	0.539	0.777
Product Specific 10-g	Front Side	/	1.251	2.579	2.208	/	/	/	/	1.018	/	/	/	/	/	1.102	2.579
	Back Side（4mm）	/	1.081	2.686	2.594	/	2.517	2.420	/	0.586	/	/	/	/	/	2.570	2.686
	Back Side（0mm）	/	/	1.678	1.809	/	1.903	1.583	/	0.991	/	/	/	/	/	1.717	1.903
	Left Side	/	/	/	/	/		/	/	/	/	/	/	/	/	/	0.000
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000
	Bottom Side	/	2.368	3.171	2.945	/	1.957	3.050	/	/	/	/	/	/	/	1.445	3.171

Table 232: Main antenna Max SAR

Test Position		Second antenna MaxSAR	WIFI2.4G ANT1	WIFI2.4G ANT2	WIFI 2.4G CDD	WiFi 5G ANT1	WIFI 5G ANT2	WIFI 5G CDD	BT	Simultaneously Transmission SAR			
		1	2	3	4	5	6	7	8	1+MAX(2/3/4)	1+MAX(5/6/7)+8	1+2+6	1+8
Head	Left cheek	0.558	0.324	0.040	0.364	0.314	0.039	0.346	0.095	0.922	**0.999**	0.921	0.653
	Left tilt	0.488	0.324	0.040	0.364	0.314	0.039	0.346	0.058	0.852	0.892	0.851	0.546
	Right cheek	0.496	0.324	0.040	0.364	0.314	0.039	0.346	0.030	0.947	0.959	0.946	0.613
	Right tilt	0.551	0.324	0.040	0.364	0.314	0.039	0.346	0.032	0.915	0.929	0.914	0.583
Body Worn	Front Side	0.241	0.138	0.090	0.221	0.358	0.019	0.115	0.017	0.462	0.616	0.398	0.258
	Back Side	0.233	0.138	0.090	0.221	0.358	0.482	0.578	0.005	0.454	0.816	**0.853**	0.238
Hotspot	Front Side	0.405	0.334	0.256	0.549	0.254	0.404	0.658	0.043	0.954	1.106	1.143	0.448
	Back Side	0.600	0.334	0.256	0.549	0.254	0.404	0.658	0.061	1.149	1.319	1.338	0.661
	Left Side	0.230	/	/	/	/	/	/	/	0.230	0.230	0.230	0.230
	Right Side	0.072	0.334	0.256	0.549	0.254	0.404	0.658	0.045	0.621	0.775	0.810	0.117
	Top Side	0.884	0.334	0.256	0.549	0.254	0.050	0.304	0.054	**1.433**	1.242	1.268	0.938
	Bottom Side	0.000	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000
Product Specific 10-g SAR	Front Side	0.000	/	/	/	0.414	0.046	0.468	0.130	0.000	0.598	0.130	0.130
	Back Side（4mm）	0.000	/	/	/	0.342	0.340	0.541	0.115	0.000	0.656	0.115	0.115
	Back Side（0mm）	0.000	/	/	/	0.533	1.232	1.754	0.115	0.000	**1.869**	0.115	0.115
	Left Side	0.000	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000
	Right Side	0.000	/	/	/	1.250	0.386	1.995	0.001	0.000	1.996	0.001	0.001
	Top Side	0.000	/	/	/	1.211	0.130	1.380	0.174	0.000	1.554	0.174	0.174
	Bottom Side	0.000	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000

Table 233: SAR Simultaneous Tx Combination of Second antenna with WiFi & BT Scenario

Test Position		Main antenna MaxSAR	WIFI2.4G ANT1	WIFI2.4G ANT2	WIFI 2.4G CDD	WiFi 5G ANT1	WIFI 5G ANT2	WIFI 5G CDD	BT	Simultaneously Transmission SAR			
		1	2	3	4	5	6	7	8	1+MAX(2/3/4)	1+MAX(5/6/7)+8	1+2+6	1+8
Head	Left cheek	0.233	0.324	0.040	0.364	0.314	0.039	0.346	0.095	0.597	0.674	0.596	0.328
	Left tilt	0.173	0.324	0.040	0.364	0.314	0.039	0.346	0.058	0.537	0.577	0.536	0.231
	Right cheek	0.311	0.324	0.040	0.364	0.314	0.039	0.346	0.030	0.675	**0.687**	0.674	0.341
	Right tilt	0.092	0.324	0.040	0.364	0.314	0.039	0.346	0.032	0.456	0.470	0.455	0.124
Body Worn	Front Side	0.950	0.138	0.090	0.221	0.358	0.019	0.115	0.017	1.193	1.347	1.129	0.989
	Back Side	0.946	0.138	0.090	0.221	0.358	0.482	0.578	0.005	1.167	1.529	**1.566**	0.951
Hotspot	Front Side	0.806	0.334	0.256	0.549	0.254	0.404	0.658	0.043	1.355	1.507	**1.544**	0.849
	Back Side	0.695	0.334	0.256	0.549	0.254	0.404	0.658	0.061	1.244	1.414	1.433	0.756
	Left Side	0.152	/	/	/	/	/	/	/	0.152	0.152	0.152	0.152
	Right Side	0.362	0.334	0.256	0.549	0.254	0.404	0.658	0.045	0.911	1.065	1.100	0.407
	Top Side	0.000	0.334	0.256	0.549	0.254	0.050	0.304	0.054	0.549	0.358	0.384	0.054
	Bottom Side	0.777	/	/	/	/	/	/	/	0.777	0.777	0.777	0.777
Product Specific 10-g	Front Side	2.579	/	/	/	0.414	0.046	0.468	0.130	2.579	3.177	2.625	2.709
	Back Side（4mm）	2.686	/	/	/	0.342	0.340	0.541	0.115	2.686	3.342	3.026	2.801
	Back Side（0mm）	1.903	/	/	/	0.533	1.232	1.754	0.115	1.903	**3.772**	3.135	2.018
	Left Side	0.000	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000
	Right Side	0.000	/	/	/	1.250	0.386	1.995	0.001	0.000	1.996	0.386	0.001
	Top Side	0.000	/	/	/	1.211	0.130	1.380	0.174	0.000	1.554	0.130	0.174
	Bottom Side	3.171	/	/	/	/	/	/	/	3.171	3.171	3.171	3.171

Table 234: SAR Simultaneous Tx Combination of Main antenna with WiFi & BT Scenario

The device also supports Tx wireless charging function. When the device is working on Tx wireless charging mode, other Tx antennas(2G/3G/4G/WIFI/BT) can still work. So this simultaneous transmission should also be considered.
Per KDB 447498D01, the following test exclusion conditions should be satisfied for all combinations of simultaneous transmission configurations:
The [Σ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + [Σ of MPE ratios] is ≤ 1.0.

Similarly For Product Specific 10-g SAR, the test exclusion conditions should be:
The [Σ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 4.0 W/kg] + [Σ of MPE ratios] is ≤ 1.0.

The RF exposure ratios for all combinations of simultaneous transmission configurations are calculated as below:

exposure condition	MAX Simultaneous Transmission SAR (W/kg)	SAR Limit (W/kg)	Max E-field (V/m)	MPE Limit (V/m)	RF exposure ratio (≤ 1.0)	Conclusion
Head	0.999	1.6	1.23	83	0.639	PASS
Body-worn	1.566	1.6	1.23	83	**0.994**	PASS
Hotspot	1.544	1.6	1.23	83	0.980	PASS
Product Specific 10-g SAR	3.772	4.0	1.23	83	0.958	PASS

Table 235: Simultaneous transmission RF exposure ratios for SAR & MPE(E-Field)

exposure condition	MAX Simultaneous Transmission SAR (W/kg)	SAR Limit (W/kg)	Max H-field (A/m)	MPE Limit (A/m)	RF exposure ratio (≤ 1.0)	Conclusion
Head	0.999	1.6	0.003	90	0.624	PASS
Body-worn	1.566	1.6	0.003	90	0.979	PASS
Hotspot	1.544	1.6	0.003	90	0.965	PASS
Product Specific 10-g SAR	3.772	4.0	0.003	90	0.943	PASS

Table 236: Simultaneous transmission RF exposure ratios for SAR & MPE(H-Field)
Note: Please refer to the Partial RF exposure test report for detailed Wireless Charging test results per SPR-002.

7.3.4 Simultaneous Transmission Conclusion

The above numeral summed SAR results and RF exposure ratio calculation results are sufficient to determine that simultaneous transmission RF exposure test exclusion applies per KDB 447498 D01.

Appendix A. System Check Plots
(Please See Appendix No.: SYBH(Z-SAR)20180808003001-2A, total: 33 pages)

Appendix B. SAR Measurement Plots

(Please See Appendix No.: SYBH(Z-SAR) 20180808003001-2B, total: 104 pages)

Appendix C. Calibration Certificate

(Please See Appendix No.: SYBH(Z-SAR) 20180808003001-2C, total: 190 pages)

Appendix D. Photo documentation

(Please See Appendix No.: SYBH(Z-SAR) 20180808003001-2D, total: 7 pages)

End