Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	25.20	24.11	24.12	24.04	24.32
		1	38	25.20	24.11	24.26	24.05	24.33
		1	74	25.20	24.11	24.12	24.05	24.31
		36	0	24.20	23.09	23.10	23.06	23.12
		36	18	24.20	23.09	23.11	23.06	23.12
		36	39	24.20	23.09	23.10	23.06	23.12
		75	0	24.20	23.05	23.03	22.94	23.00
	16QAM	1	0	24.20	22.89	22.90	22.84	23.07
		1	38	24.20	22.89	22.90	22.79	23.02
		1	74	24.20	22.86	22.90	22.78	22.93
		36	0	23.20	22.26	22.07	21.99	22.10
		36	18	23.20	22.09	22.06	21.99	22.10
		36	39	23.20	22.27	22.06	22.04	22.10
		75	0	23.20	21.94	21.93	21.89	21.94
	64QAM	1	0	23.20	22.12	22.13	22.09	22.21
		1	38	23.20	22.12	22.15	22.07	22.36
		1	74	23.20	22.12	22.15	22.09	22.36
		36	0	22.20	21.05	21.03	20.98	21.03
		36	18	22.20	21.18	21.03	20.98	21.03
		36	39	22.20	21.05	21.03	20.98	21.03
		75	0	22.20	21.04	20.93	21.10	21.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	25.20	**24.00**	**23.98**	**23.99**	**24.14**
		1	50	25.20	23.98	23.97	23.98	24.13
		1	99	25.20	23.98	23.97	23.98	24.13
		50	0	24.20	**23.10**	23.03	23.00	23.09
		50	25	24.20	23.08	23.07	22.96	23.06
		50	50	24.20	23.09	23.07	23.02	23.06
		100	0	24.20	23.10	22.99	22.98	23.03
	16QAM	1	0	24.20	23.30	23.26	23.17	23.26
		1	50	24.20	23.30	23.26	23.16	23.26
		1	99	24.20	23.26	23.26	23.16	23.29
		50	0	23.20	22.06	22.06	22.01	22.13
		50	25	23.20	22.07	22.06	22.09	22.13
		50	50	23.20	22.06	22.05	22.01	22.13
		100	0	23.20	21.97	21.93	22.05	21.98
	64QAM	1	0	23.20	22.09	22.20	22.13	22.20
		1	50	23.20	22.16	22.18	22.12	22.20
		1	99	23.20	22.07	22.19	22.05	22.19
		50	0	22.20	21.10	21.10	21.01	21.09
		50	25	22.20	21.28	21.11	21.01	21.13
		50	50	22.20	21.10	21.09	21.01	21.13
		100	0	22.20	20.97	21.00	20.89	20.95

Table 96: Conducted power measurement results of LTE Band 41(Full Power)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	23.20	22.19	22.19	22.02	22.18
		1	13	23.20	22.19	22.17	22.13	22.18
		1	24	23.20	22.19	22.19	22.02	22.18
		12	0	23.20	22.23	22.17	22.12	22.21
		12	6	23.20	22.19	22.17	22.12	22.21
		12	13	23.20	22.19	22.16	22.12	22.21
		25	0	23.20	22.06	22.01	22.02	22.16
	16QAM	1	0	23.20	22.74	22.65	22.47	22.65
		1	13	23.20	22.75	22.68	22.47	22.65
		1	24	23.20	22.75	22.67	22.47	22.65
		12	0	23.20	22.26	22.07	22.13	22.21
		12	6	23.20	22.27	22.08	22.13	22.22
		12	13	23.20	22.26	22.22	22.17	22.22
		25	0	23.20	22.09	22.04	21.87	21.90
	64QAM	1	0	23.20	22.32	22.18	22.13	22.12
		1	13	23.20	22.23	22.18	22.12	22.17
		1	24	23.20	22.31	22.18	22.13	22.11
		12	0	22.20	21.26	21.07	21.09	21.23
		12	6	22.20	21.24	21.07	21.08	21.21
		12	13	22.20	21.26	21.07	21.09	21.22
		25	0	22.20	21.01	20.98	21.09	21.13
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	23.20	22.22	22.13	21.97	22.08
		1	25	23.20	22.04	22.03	21.97	21.97
		1	49	23.20	22.04	22.13	21.97	21.95
		25	0	23.20	22.22	22.18	22.10	22.18
		25	13	23.20	22.09	22.18	22.10	22.15
		25	25	23.20	22.09	22.24	22.10	22.15
		50	0	23.20	22.02	21.94	21.94	21.98
	16QAM	1	0	23.20	22.34	22.28	22.21	22.39
		1	25	23.20	22.34	22.28	22.25	22.39
		1	49	23.20	22.34	22.28	22.25	22.24
		25	0	23.20	22.23	22.19	21.98	22.14
		25	13	23.20	22.22	22.20	21.99	22.05
		25	25	23.20	22.22	22.17	22.04	22.18
		50	0	23.20	21.97	21.95	22.08	21.97
	64QAM	1	0	23.20	22.14	22.18	22.13	22.15
		1	25	23.20	22.13	22.16	22.18	22.30
		1	49	23.20	22.14	22.19	22.11	22.31
		25	0	22.20	21.18	21.18	20.95	21.07
		25	13	22.20	21.16	21.17	20.96	21.08
		25	25	22.20	21.17	21.18	20.93	21.15
		50	0	22.20	21.17	21.04	20.92	21.11

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	23.20	22.20	22.27	22.04	22.26
		1	38	23.20	22.20	22.25	22.04	22.11
		1	74	23.20	22.20	22.27	22.04	22.11
		36	0	23.20	22.28	22.20	22.15	22.21
		36	18	23.20	22.27	22.20	22.15	22.21
		36	39	23.20	22.27	22.19	22.15	22.21
		75	0	23.20	22.18	22.01	22.00	22.02
	16QAM	1	0	23.20	22.52	22.45	22.21	22.26
		1	38	23.20	22.37	22.39	22.22	22.43
		1	74	23.20	22.37	22.39	22.21	22.26
		36	0	23.20	22.15	22.10	22.17	22.23
		36	18	23.20	22.16	22.10	22.18	22.23
		36	39	23.20	22.11	22.10	22.17	22.23
		75	0	23.20	22.05	21.92	21.89	22.09
	64QAM	1	0	23.20	22.14	22.15	22.18	22.28
		1	38	23.20	22.15	22.15	22.06	22.25
		1	74	23.20	22.15	22.15	22.17	22.27
		36	0	22.20	21.08	21.06	21.12	21.01
		36	18	22.20	21.08	21.04	20.96	21.02
		36	39	22.20	21.08	21.05	21.12	21.02
		75	0	22.20	21.06	21.04	21.11	20.98
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	23.20	**22.17**	22.01	22.02	22.10
		1	50	23.20	22.16	22.01	22.00	22.13
		1	99	23.20	22.00	22.01	22.00	22.13
		50	0	23.20	22.17	**22.21**	**22.11**	**22.19**
		50	25	23.20	22.16	22.20	22.10	22.18
		50	50	23.20	**22.22**	22.20	22.10	22.18
		100	0	23.20	22.03	21.98	22.01	22.04
	16QAM	1	0	23.20	22.42	22.45	22.42	22.44
		1	50	23.20	22.31	22.48	22.42	22.42
		1	99	23.20	22.50	22.38	22.42	22.52
		50	0	23.20	22.10	22.05	22.01	22.19
		50	25	23.20	22.10	22.04	22.11	22.05
		50	50	23.20	22.11	22.04	22.00	22.05
		100	0	23.20	22.00	21.95	21.94	21.98
	64QAM	1	0	23.20	22.11	22.09	22.07	22.13
		1	50	23.20	22.08	22.08	22.03	22.13
		1	99	23.20	22.08	22.08	22.01	22.07
		50	0	22.20	21.10	21.06	21.00	21.04
		50	25	22.20	21.10	21.07	21.00	21.04
		50	50	22.20	21.10	21.19	21.00	21.18
		100	0	22.20	21.09	21.09	20.96	20.98

Table 97: Conducted power measurement results of LTE Band 41(Reduced Power Level D1/D3/D5)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	21.20	20.41	20.14	20.31	20.48
		1	13	21.20	20.43	20.14	20.34	20.47
		1	24	21.20	20.33	20.25	20.26	20.42
		12	0	21.20	20.42	20.29	20.36	20.41
		12	6	21.20	20.36	20.28	20.30	20.37
		12	13	21.20	20.35	20.19	20.32	20.39
		25	0	21.20	20.29	20.14	20.33	20.38
	16QAM	1	0	21.20	20.56	20.34	20.45	20.38
		1	13	21.20	20.47	20.31	20.45	20.46
		1	24	21.20	20.53	20.27	20.41	20.36
		12	0	21.20	20.29	20.11	20.26	20.33
		12	6	21.20	20.25	20.04	20.16	20.27
		12	13	21.20	20.22	20.06	20.14	20.31
		25	0	21.20	20.13	20.06	20.17	20.28
	64QAM	1	0	21.20	20.59	20.13	20.46	20.48
		1	13	21.20	20.55	20.09	20.44	20.55
		1	24	21.20	20.35	20.30	20.42	20.43
		12	0	21.20	20.28	20.11	20.26	20.33
		12	6	21.20	20.27	20.04	20.14	20.28
		12	13	21.20	20.20	20.06	20.14	20.31
		25	0	21.20	20.30	20.16	20.31	20.38
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	21.20	20.14	20.25	20.30	20.28
		1	25	21.20	19.99	20.03	20.14	20.07
		1	49	21.20	20.17	20.22	20.26	20.26
		25	0	21.20	20.30	20.24	20.31	20.41
		25	13	21.20	20.31	20.12	20.30	20.37
		25	25	21.20	20.30	20.12	20.35	20.43
		50	0	21.20	20.31	20.07	20.17	20.37
	16QAM	1	0	21.20	20.38	20.28	20.36	20.36
		1	25	21.20	20.07	20.13	19.95	19.96
		1	49	21.20	20.36	20.34	20.31	20.36
		25	0	21.20	20.28	20.12	20.11	20.35
		25	13	21.20	20.23	20.00	20.11	20.30
		25	25	21.20	20.23	20.00	20.25	20.32
		50	0	21.20	20.22	20.02	20.09	20.28
	64QAM	1	0	21.20	20.50	20.30	20.32	20.26
		1	25	21.20	19.93	20.16	19.79	20.05
		1	49	21.20	20.38	20.30	20.31	20.34
		25	0	21.20	20.26	20.13	20.09	20.33
		25	13	21.20	20.24	20.01	20.10	20.30
		25	25	21.20	20.23	19.98	20.26	20.32
		50	0	21.20	20.31	20.07	20.17	20.39

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	21.20	20.14	20.23	20.25	20.33
		1	38	21.20	20.18	20.13	20.37	20.15
		1	74	21.20	20.23	20.28	20.26	20.15
		36	0	21.20	20.36	20.29	20.35	20.42
		36	18	21.20	20.32	20.23	20.26	20.41
		36	39	21.20	20.33	20.27	20.26	20.45
		75	0	21.20	20.26	20.25	20.23	20.35
	16QAM	1	0	21.20	20.25	20.15	20.40	20.19
		1	38	21.20	20.29	20.41	20.53	20.24
		1	74	21.20	20.33	20.12	20.23	20.25
		36	0	21.20	20.26	20.21	20.10	20.36
		36	18	21.20	20.28	20.13	20.12	20.28
		36	39	21.20	20.09	20.21	20.21	20.34
		75	0	21.20	20.18	20.17	20.08	20.29
	64QAM	1	0	21.20	20.31	20.14	20.38	20.39
		1	38	21.20	20.59	20.14	20.54	20.44
		1	74	21.20	19.90	20.11	20.62	20.03
		36	0	21.20	20.25	20.19	20.11	20.31
		36	18	21.20	20.25	20.05	20.10	20.26
		36	39	21.20	20.11	20.13	20.20	20.40
		75	0	21.20	20.28	20.26	20.17	20.38
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	21.20	20.08	19.99	20.11	20.14
		1	50	21.20	20.01	20.34	20.08	19.67
		1	99	21.20	20.11	20.06	20.29	20.05
		50	0	21.20	20.33	20.27	20.30	20.38
		50	25	21.20	20.29	20.14	20.30	20.35
		50	50	21.20	20.34	20.16	20.33	20.43
		100	0	21.20	20.30	20.15	20.31	20.37
	16QAM	1	0	21.20	20.33	19.70	20.27	20.05
		1	50	21.20	19.97	19.44	20.37	20.07
		1	99	21.20	20.05	20.16	20.42	20.41
		50	0	21.20	20.25	20.01	20.25	20.30
		50	25	21.20	20.20	20.01	20.23	20.22
		50	50	21.20	20.18	20.08	20.28	20.33
		100	0	21.20	20.22	20.08	20.23	20.25
	64QAM	1	0	21.20	20.32	20.05	20.29	20.20
		1	50	21.20	20.27	19.41	20.17	19.99
		1	99	21.20	20.32	20.02	20.41	20.56
		50	0	21.20	20.28	20.04	20.18	20.33
		50	25	21.20	20.19	20.05	20.15	20.30
		50	50	21.20	20.15	20.03	20.31	20.36
		100	0	21.20	20.30	20.15	20.34	20.35

Table 98: Conducted power measurement results of LTE Band 41(Reduced Power Level D4)

7.1.29 onducted power measurements of Downlink LTE CA

The following conducted power measurement results of downlink LTE carrier aggregation are provided to quantify downlink only carrier aggregation SAR test exclusion per KDB 941225 D05A.

Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼dB higher than the maximum output power measured when downlink carrier aggregation inactive.

Power test equipment: R&S Radio Communication Tester CMW500 and/or Anritsu Radio Communication Analyzer MT8821C were used

The power measurements result are in the table as below:

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	100	0	18900	900	2	20	1098	/	/	/	20.77	20.41	21.70
CA_5B	5	10	QPSK	1	0	20600	2600	5	10	2501	/	/	/	23.87	23.66	24.70
CA_38C	38	20	16QAM	1	50	37850	37850	38	20	38048	/	/	/	22.07	21.75	23.00
CA_7A-7A	7	20	16QAM	1	99	21350	3350	7	20	2850	/	/	/	19.70	19.66	20.20
CA_2A-5A	2	20	QPSK	100	0	18900	900	5	10	2525	/	/	/	20.77	20.51	21.70
	5	10	QPSK	1	0	20600	2600	2	20	900	/	/	/	23.87	23.66	24.70
CA_2A-12A	2	20	QPSK	100	0	18900	900	12	10	5095	/	/	/	20.77	20.51	21.70
CA_2A-17A	2	20	QPSK	100	0	18900	900	17	10	5790	/	/	/	20.77	20.58	21.70
CA_4A-5A	4	20	16QAM	1	50	20175	2175	5	10	2525	/	/	/	21.41	20.89	22.20
	5	10	QPSK	1	0	20600	2600	4	20	2175	/	/	/	23.87	23.44	24.70
CA_4A-7A	4	20	16QAM	1	50	20175	2175	7	20	3100	/	/	/	21.41	21.05	22.20
	7	20	16QAM	1	99	21350	3350	4	20	2175	/	/	/	19.70	19.49	20.20
CA_4A-12A	4	20	16QAM	1	50	20175	2175	12	10	5095	/	/	/	21.41	20.91	22.20
CA_4A-17A	4	20	16QAM	1	50	20175	2175	17	10	5790	/	/	/	21.41	20.95	22.20
CA_5A-7A	5	10	QPSK	1	0	20600	2600	7	20	3100	/	/	/	23.87	23.54	24.70
	7	20	16QAM	1	99	21350	3350	5	10	2525	/	/	/	19.70	19.60	20.20
CA_7A-12A	7	20	16QAM	1	99	21350	3350	12	10	5095	/	/	/	19.70	19.60	20.20
CA_26A-41A	26	15	QPSK	1	74	26765	8765	41	20	40473	/	/	/	23.69	23.12	24.90
	26	15	QPSK	1	74	26765	8765	41	20	40807	/	/	/	23.69	23.15	24.90
	41	20	QPSK	1	0	41140	41140	26	15	8865	/	/	/	22.95	22.70	24.20
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	22.95	22.66	24.20
CA_2A-12B	2	20	QPSK	100	0	18900	900	12	5	5095	12	5	5143	20.77	20.50	21.70
CA_4A-7C	4	20	16QAM	1	50	20175	2175	7	20	3100	7	20	3298	21.41	20.95	22.20
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	19.70	19.43	20.20
CA_4A-12B	4	20	16QAM	1	50	20175	2175	12	5	5095	12	5	5143	21.41	21.20	22.20
CA_5A-7C	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3298	23.87	23.57	24.70
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	19.70	19.41	20.20
CA_7A-12B	7	20	16QAM	1	99	21350	3350	12	5	5095	12	5	5143	19.70	19.42	20.20
CA_26A-41C	26	15	QPSK	1	74	26765	8765	41	20	40473	41	20	40671	23.69	23.41	24.90
	26	15	QPSK	1	74	26765	8765	41	20	40807	41	20	41005	23.69	23.44	24.90
	41	20	QPSK	1	0	41140	41140	41	20	40942	26	15	8865	22.95	22.71	24.20

Table 99: Conducted power measurement results of DL CA(Second Antenna, Full Power)

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	50	50	19100	1100	2	20	902	/	/	/	15.71	15.47	16.70
CA_5B	5	10	16QAM	1	49	20450	2450	5	10	2549	/	/	/	18.10	17.84	18.70
CA_38C	38	20	16QAM	1	99	37850	37850	38	20	38048	/	/	/	15.12	15.03	16.00
CA_7A-7A	7	20	16QAM	1	99	21350	3350	7	20	2850	/	/	/	13.04	12.92	13.70
CA_2A-5A	2	20	QPSK	50	50	19100	1100	5	10	2525	/	/	/	15.71	15.50	16.70
	5	10	16QAM	1	49	20450	2450	2	20	900	/	/	/	18.10	17.81	18.70
CA_2A-12A	2	20	QPSK	50	50	19100	1100	12	10	5095	/	/	/	15.71	15.49	16.70
CA_2A-17A	2	20	QPSK	50	50	19100	1100	17	10	5790	/	/	/	15.71	15.51	16.70
CA_4A-5A	4	20	QPSK	50	0	20050	2050	5	10	2525	/	/	/	14.39	14.06	15.20
	5	10	16QAM	1	49	20450	2450	4	20	2175	/	/	/	18.10	17.82	18.70
CA_4A-7A	4	20	QPSK	50	0	20050	2050	7	20	3100	/	/	/	14.39	14.08	15.20
	7	20	16QAM	1	99	21350	3350	4	20	2175	/	/	/	13.04	12.88	13.70
CA_4A-12A	4	20	QPSK	50	0	20050	2050	12	10	5095	/	/	/	14.39	14.22	15.20
CA_4A-17A	4	20	QPSK	50	0	20050	2050	17	10	5790	/	/	/	14.39	14.34	15.20
CA_5A-7A	5	10	16QAM	1	49	20450	2450	7	20	3100	/	/	/	18.10	17.74	18.70
	7	20	16QAM	1	99	21350	3350	5	10	2525	/	/	/	13.04	12.91	13.70
CA_7A-12A	7	20	16QAM	1	99	21350	3350	12	10	5095	/	/	/	13.04	12.92	13.70
CA_26A-41A	26	15	16QAM	1	0	26965	8965	41	20	40473	/	/	/	18.65	18.49	19.40
	26	15	16QAM	1	0	26965	8965	41	20	40807	/	/	/	18.65	18.57	19.40
	41	20	16QAM	1	50	41140	41140	26	15	8865	/	/	/	15.16	14.82	16.20
CA_41D	41	20	16QAM	1	50	41140	41140	41	20	40942	41	20	40744	15.16	14.91	16.20
CA_2A-12B	2	20	QPSK	50	50	19100	1100	12	5	5095	12	5	5143	15.71	15.50	16.70
CA_4A-7C	4	20	QPSK	50	0	20050	2050	7	20	3100	7	20	3298	14.39	14.12	15.20
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	13.04	12.93	13.70
CA_4A-12B	4	20	QPSK	50	0	20050	2050	12	5	5095	12	5	5143	14.39	14.20	15.20
CA_5A-7C	5	10	16QAM	1	49	20450	2450	7	20	3100	7	20	3298	18.10	17.74	18.70
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	13.04	12.83	13.70
CA_7A-12B	7	20	16QAM	1	99	21350	3350	12	5	5095	12	5	5143	13.04	12.84	13.70
CA_26A-41C	26	15	16QAM	1	0	26965	8965	41	20	40473	41	20	40671	18.65	18.51	19.40
	26	15	16QAM	1	0	26965	8965	41	20	40807	41	20	41005	18.65	18.37	19.40
	41	20	16QAM	1	50	41140	41140	41	20	40942	26	15	8865	15.16	14.83	16.20

Table 100: Conducted power measurement results of DL CA(Second Antenna, Reduced Power Level D1)

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	50	50	18900	900	2	20	1098	/	/	/	11.73	10.66	12.70
CA_5B	5	10	16QAM	1	0	20600	2600	5	10	2501	/	/	/	14.55	14.34	15.20
CA_38C	38	20	64QAM	50	25	38150	38150	38	20	37952	/	/	/	13.54	13.24	14.50
CA_7A-7A	7	20	64QAM	1	0	21350	3350	7	20	2850	/	/	/	11.09	10.88	11.70
CA_2A-5A	2	20	QPSK	50	50	18900	900	5	10	2525	/	/	/	11.73	11.45	12.70
	5	10	16QAM	1	0	20600	2600	2	20	900	/	/	/	14.55	14.22	15.20
CA_2A-12A	2	20	QPSK	50	50	18900	900	12	10	5095	/	/	/	11.73	11.45	12.70
CA_2A-17A	2	20	QPSK	50	50	18900	900	17	10	5790	/	/	/	11.73	11.44	12.70
CA_4A-5A	4	20	QPSK	50	25	20175	2175	5	10	2525	/	/	/	11.44	11.09	12.00
	5	10	16QAM	1	0	20600	2600	4	20	2175	/	/	/	14.55	14.31	15.20
CA_4A-7A	4	20	QPSK	50	25	20175	2175	7	20	3100	/	/	/	11.44	11.19	12.00
	7	20	64QAM	1	0	21350	3350	4	20	2175	/	/	/	11.09	10.74	11.70
CA_4A-12A	4	20	QPSK	50	25	20175	2175	12	10	5095	/	/	/	11.44	11.11	12.00
CA_4A-17A	4	20	QPSK	50	25	20175	2175	17	10	5790	/	/	/	11.44	11.12	12.00
CA_5A-7A	5	10	16QAM	1	0	20600	2600	7	20	3100	/	/	/	14.55	13.11	15.20
	7	20	64QAM	1	0	21350	3350	5	10	2525	/	/	/	11.09	10.74	11.70
CA_7A-12A	7	20	64QAM	1	0	21350	3350	12	10	5095	/	/	/	11.09	10.66	11.70
CA_26A-41A	26	15	64QAM	1	74	26765	8765	41	20	40473	/	/	/	15.84	15.56	16.40
	26	15	64QAM	1	74	26765	8765	41	20	40807	/	/	/	15.84	15.48	16.40
	41	20	64QAM	1	0	41140	41140	26	15	8865	/	/	/	13.74	13.29	14.70
CA_41D	41	20	64QAM	1	0	41140	41140	41	20	40942	41	20	40744	13.74	13.22	14.70
CA_2A-12B	2	20	QPSK	50	50	18900	900	12	5	5095	12	5	5143	11.73	11.56	12.70
CA_4A-7C	4	20	QPSK	50	25	20175	2175	7	20	3100	7	20	3298	11.44	11.11	12.00
	7	20	64QAM	1	0	21350	3350	7	20	3152	5	10	2525	11.09	10.84	11.70
CA_4A-12B	4	20	QPSK	50	25	20175	2175	12	5	5095	12	5	5143	11.44	11.14	12.00
CA_5A-7C	5	10	16QAM	1	0	20600	2600	7	20	3100	7	20	3298	14.55	14.32	15.20
	7	20	64QAM	1	0	21350	3350	7	20	3152	5	10	2525	11.09	10.85	11.70
CA_7A-12B	7	20	64QAM	1	0	21350	3350	12	5	5095	12	5	5143	11.09	10.80	11.70
CA_26A-41C	26	15	64QAM	1	74	26765	8765	41	20	40473	41	20	40671	15.84	15.61	16.40
	26	15	64QAM	1	74	26765	8765	41	20	40807	41	20	41005	15.84	15.66	16.40
	41	20	64QAM	1	0	41140	41140	41	20	40942	26	15	8865	13.74	13.22	14.70

Table 101: Conducted power measurement results of DL CA (Second Antenna, Reduced Power Level D3)

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	50	25	18700	700	2	20	898	/	/	/	16.75	16.55	17.70
CA_5B	5	10	16QAM	1	25	20450	2450	5	10	2549	/	/	/	20.49	20.15	21.20
CA_38C	38	20	16QAM	1	0	38150	38150	38	20	37952	/	/	/	20.65	20.45	21.50
CA_7A-7A	7	20	16QAM	1	50	21350	3350	7	20	2850	/	/	/	17.59	17.36	17.70
CA_2A-5A	2	20	QPSK	50	25	18700	700	5	10	2525	/	/	/	16.75	16.36	17.70
	5	10	64QAM	1	25	20450	2450	2	20	900	/	/	/	20.49	20.12	21.20
CA_2A-12A	2	20	QPSK	50	25	18700	700	12	10	5095	/	/	/	16.75	16.34	17.70
CA_2A-17A	2	20	QPSK	50	25	18700	700	17	10	5790	/	/	/	16.75	16.42	17.70
CA_4A-5A	4	20	64QAM	1	99	20300	2300	5	10	2525	/	/	/	18.47	18.08	19.00
	5	10	64QAM	1	25	20450	2450	4	20	2175	/	/	/	20.49	20.21	21.20
CA_4A-7A	4	20	64QAM	1	99	20300	2300	7	20	3100	/	/	/	18.47	18.15	19.00
	7	20	16QAM	1	50	21350	3350	4	20	2175	/	/	/	17.59	17.33	17.70
CA_4A-12A	4	20	64QAM	1	99	20300	2300	12	10	5095	/	/	/	18.47	18.09	19.00
CA_4A-17A	4	20	64QAM	1	99	20300	2300	17	10	5790	/	/	/	18.47	18.16	19.00
CA_5A-7A	5	10	64QAM	1	25	20450	2450	7	20	3100	/	/	/	20.49	20.11	21.20
	7	20	16QAM	1	50	21350	3350	5	10	2525	/	/	/	17.59	17.23	17.70
CA_7A-12A	7	20	16QAM	1	50	21350	3350	12	10	5095	/	/	/	17.59	17.29	17.70
CA_26A-41A	26	15	64QAM	1	74	26765	8765	41	20	40473	/	/	/	21.27	21.00	21.90
	26	15	64QAM	1	74	26765	8765	41	20	40807	/	/	/	21.27	20.95	21.90
	41	20	16QAM	1	0	40140	40140	26	15	8865	/	/	/	21.71	21.55	22.70
CA_41D	41	20	16QAM	1	0	40140	40140	41	20	40942	41	20	40744	21.71	21.42	22.70
CA_2A-12B	2	20	QPSK	50	25	18700	700	12	5	5095	12	5	5143	16.75	16.45	17.70
CA_4A-7C	4	20	64QAM	1	99	20300	2300	7	20	3100	7	20	3298	18.47	18.27	19.00
	7	20	16QAM	1	50	21350	3350	7	20	3152	5	10	2525	17.59	17.13	17.70
CA_4A-12B	4	20	64QAM	1	99	20300	2300	12	5	5095	12	5	5143	18.47	18.28	19.00
CA_5A-7C	5	10	64QAM	1	25	20450	2450	7	20	3100	7	20	3298	20.49	20.22	21.20
	7	20	16QAM	1	50	21350	3350	7	20	3152	5	10	2525	17.59	17.39	17.70
CA_7A-12B	7	20	16QAM	1	50	21350	3350	12	5	5095	12	5	5143	17.59	17.41	17.70
CA_26A-41C	26	15	64QAM	1	74	26765	8765	41	20	40473	41	20	40671	21.27	21.00	21.90
	26	15	64QAM	1	74	26765	8765	41	20	40807	41	20	41005	21.27	20.98	21.90
	41	20	16QAM	1	0	40140	40140	41	20	40338	26	15	8865	21.71	21.44	22.70

Table 102: Conducted power measurement results of DL CA(Second Antenna, Reduced Power Level D2)

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	18700	700	2	20	898	/	/	/	23.50	23.12	24.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	23.92	23.52	25.00
CA_38C	38	20	QPSK	1	50	37850	37850	38	20	38048	/	/	/	24.08	23.82	25.00
CA_7A-7A	7	20	QPSK	1	50	21350	3350	7	20	2850	/	/	/	23.65	23.31	24.70
CA_2A-5A	2	20	QPSK	1	0	18700	700	5	10	2525	/	/	/	23.50	23.23	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	/	/	/	23.92	23.64	25.00
CA_2A-12A	2	20	QPSK	1	0	18700	700	12	10	5095	/	/	/	23.50	23.08	24.70
CA_2A-17A	2	20	QPSK	1	0	18700	700	17	10	5790	/	/	/	23.50	23.18	24.70
CA_4A-5A	4	20	QPSK	1	99	20300	2300	5	10	2525	/	/	/	24.10	23.88	25.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	/	/	/	23.92	23.66	25.00
CA_4A-7A	4	20	QPSK	1	99	20300	2300	7	20	3100	/	/	/	24.10	23.89	25.20
	7	20	QPSK	1	50	21350	3350	4	20	2175	/	/	/	23.65	23.22	24.70
CA_4A-12A	4	20	QPSK	1	99	20300	2300	12	10	5095	/	/	/	24.10	23.80	25.20
CA_4A-17A	4	20	QPSK	1	99	20300	2300	17	10	5790	/	/	/	24.10	23.82	25.20
CA_5A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	/	/	/	23.92	23.66	25.00
	7	20	QPSK	1	50	21350	3350	5	10	2525	/	/	/	23.65	23.21	24.70
CA_7A-12A	7	20	QPSK	1	50	21350	3350	12	10	5095	/	/	/	23.65	23.10	24.70
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	23.93	23.60	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	23.93	23.63	25.20
	41	20	QPSK	1	0	41140	41140	26	15	8865	/	/	/	24.14	23.80	25.20
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	24.14	23.86	25.20
CA_2A-12B	2	20	QPSK	1	0	18700	700	12	5	5095	12	5	5143	23.50	23.25	24.70
CA_4A-7C	4	20	QPSK	1	99	20300	2300	7	20	3100	7	20	3298	24.10	23.85	25.20
	7	20	QPSK	1	50	21350	3350	7	20	3152	5	10	2525	23.65	23.15	24.70
CA_4A-12B	4	20	QPSK	1	99	20300	2300	12	5	5095	12	5	5143	24.10	23.74	25.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	23.92	23.61	25.00
	7	20	QPSK	1	50	21350	3350	7	20	3152	5	10	2525	23.65	23.12	24.70
CA_7A-12B	7	20	QPSK	1	50	21350	3350	12	5	5095	12	5	5143	23.65	23.18	24.70
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	23.93	23.64	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	23.93	23.65	25.20
	41	20	QPSK	1	0	41140	41140	41	20	40942	26	15	8865	24.14	23.68	25.20

Table 103: Conducted power measurement results of DL CA(Main Antenna,Full Power)

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	50	25	19100	1100	2	20	902	/	/	/	21.68	21.44	22.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	23.92	23.60	25.00
CA_38C	38	20	16QAM	1	99	37850	37850	38	20	38048	/	/	/	22.56	22.22	23.00
CA_7A-7A	7	20	16QAM	1	99	21350	3350	7	20	2850	/	/	/	19.99	19.66	20.70
CA_2A-5A	2	20	QPSK	50	25	19100	1100	5	10	2525	/	/	/	21.68	21.41	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	/	/	/	23.92	23.66	25.00
CA_2A-12A	2	20	QPSK	50	25	19100	1100	12	10	5095	/	/	/	21.68	21.24	22.70
CA_2A-17A	2	20	QPSK	50	25	19100	1100	17	10	5790	/	/	/	21.68	21.33	22.70
CA_4A-5A	4	20	QPSK	50	0	20300	2300	5	10	2525	/	/	/	21.36	21.05	22.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	/	/	/	23.92	23.68	25.00
CA_4A-7A	4	20	QPSK	50	0	20300	2300	7	20	3100	/	/	/	21.36	21.06	22.20
	7	20	16QAM	1	99	21350	3350	4	20	2175	/	/	/	19.99	19.76	20.70
CA_4A-12A	4	20	QPSK	50	0	20300	2300	12	10	5095	/	/	/	21.36	21.00	22.20
CA_4A-17A	4	20	QPSK	50	0	20300	2300	17	10	5790	/	/	/	21.36	21.60	22.20
CA_5A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	/	/	/	23.92	23.70	25.00
	7	20	16QAM	1	99	21350	3350	5	10	2525	/	/	/	19.99	19.55	20.70
CA_7A-12A	7	20	16QAM	1	99	21350	3350	12	10	5095	/	/	/	19.99	19.58	20.70
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	23.93	23.61	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	23.93	23.62	25.20
	41	20	QPSK	1	99	41140	41140	26	15	8865	/	/	/	22.52	22.12	23.20
CA_41D	41	20	QPSK	1	99	41140	41140	41	20	40942	41	20	40744	22.52	22.22	23.20
CA_2A-12B	2	20	QPSK	50	25	19100	1100	12	5	5095	12	5	5143	21.68	21.32	22.70
CA_4A-7C	4	20	QPSK	50	0	20300	2300	7	20	3100	7	20	3298	21.36	21.12	22.20
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	19.99	19.77	20.70
CA_4A-12B	4	20	QPSK	50	0	20300	2300	12	5	5095	12	5	5143	21.36	21.08	22.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	23.92	23.62	25.00
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	19.99	19.07	20.70
CA_7A-12B	7	20	16QAM	1	99	21350	3350	12	5	5095	12	5	5143	19.99	19.06	20.70
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	23.93	23.71	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	23.93	23.58	25.20
	41	20	QPSK	1	99	41140	41140	41	20	40942	26	15	8865	22.52	22.15	23.20

Table 104: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D1)

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	18700	700	2	20	898	/	/	/	23.50	23.12	24.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	23.92	23.63	25.00
CA_38C	38	20	QPSK	1	50	37850	37850	38	20	38048	/	/	/	23.64	23.37	24.50
CA_7A-7A	7	20	16QAM	1	0	21350	3350	7	20	2850	/	/	/	21.39	21.09	22.20
CA_2A-5A	2	20	QPSK	1	0	18700	700	5	10	2525	/	/	/	23.50	23.23	24.70
	5	10	QPSK	1	0	20525	2525	2	20	900	/	/	/	23.92	23.64	25.00
CA_2A-12A	2	20	QPSK	1	0	18700	700	12	10	5095	/	/	/	23.50	23.08	24.70
CA_2A-17A	2	20	QPSK	1	0	18700	700	17	10	5790	/	/	/	23.50	23.18	24.70
CA_4A-5A	4	20	QPSK	1	99	20300	2300	5	10	2525	/	/	/	24.10	23.88	25.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	/	/	/	23.92	23.66	25.00
CA_4A-7A	4	20	QPSK	1	99	20300	2300	7	20	3100	/	/	/	24.10	23.76	25.20
	7	20	16QAM	1	0	21350	3350	4	20	2175	/	/	/	21.39	20.99	22.20
CA_4A-12A	4	20	QPSK	1	99	20300	2300	12	10	5095	/	/	/	24.10	23.80	25.20
CA_4A-17A	4	20	QPSK	1	99	20300	2300	17	10	5790	/	/	/	24.10	23.82	25.20
CA_5A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	/	/	/	23.92	23.64	25.00
	7	20	16QAM	1	0	21350	3350	5	10	2525	/	/	/	21.39	21.00	22.20
CA_7A-12A	7	20	16QAM	1	0	21350	3350	12	10	5095	/	/	/	21.39	21.06	22.20
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	23.93	23.60	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	23.93	23.63	25.20
	41	20	QPSK	1	0	41140	41140	26	15	8865	/	/	/	24.14	23.80	25.20
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	24.14	23.86	25.20
CA_2A-12B	2	20	QPSK	1	0	18700	700	12	5	5095	12	5	5143	23.50	23.25	24.70
CA_4A-7C	4	20	QPSK	1	99	20300	2300	7	20	3100	7	20	3298	24.10	23.79	25.20
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	21.39	21.19	22.20
CA_4A-12B	4	20	QPSK	1	99	20300	2300	12	5	5095	12	5	5143	24.10	23.74	25.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	23.92	23.66	25.00
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	21.39	21.11	22.20
CA_7A-12B	7	20	16QAM	1	0	21350	3350	12	5	5095	12	5	5143	21.39	21.16	22.20
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	23.93	23.64	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	23.93	23.65	25.20
	41	20	QPSK	1	0	41140	41140	41	20	40942	26	15	8865	24.14	23.68	25.20

Table 105: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D2)

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	50	25	19100	1100	2	20	902	/	/	/	21.68	21.44	22.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	23.92	23.61	25.00
CA_38C	38	20	16QAM	1	99	37850	37850	38	20	38048	/	/	/	22.56	22.19	23.00
CA_7A-7A	7	20	16QAM	1	0	21350	3350	7	20	2850	/	/	/	21.39	21.09	22.20
CA_2A-5A	2	20	QPSK	50	25	19100	1100	5	10	2525	/	/	/	21.68	21.40	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	/	/	/	23.92	23.60	25.00
CA_2A-12A	2	20	QPSK	50	25	19100	1100	12	10	5095	/	/	/	21.68	21.32	22.70
CA_2A-17A	2	20	QPSK	50	25	19100	1100	17	10	5790	/	/	/	21.68	21.33	22.70
CA_4A-5A	4	20	QPSK	50	0	20300	2300	5	10	2525	/	/	/	21.36	21.09	22.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	/	/	/	23.92	23.70	25.00
CA_4A-7A	4	20	QPSK	50	0	20300	2300	7	20	3100	/	/	/	21.36	21.16	22.20
	7	20	16QAM	1	0	21350	3350	4	20	2175	/	/	/	21.39	21.12	22.20
CA_4A-12A	4	20	QPSK	50	0	20300	2300	12	10	5095	/	/	/	21.36	21.10	22.20
CA_4A-17A	4	20	QPSK	50	0	20300	2300	17	10	5790	/	/	/	21.36	21.00	22.20
CA_5A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	/	/	/	23.92	23.77	25.00
	7	20	16QAM	1	0	21350	3350	5	10	2525	/	/	/	21.39	21.18	22.20
CA_7A-12A	7	20	16QAM	1	0	21350	3350	12	10	5095	/	/	/	21.39	21.00	22.20
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	23.93	23.62	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	23.93	23.63	25.20
	41	20	QPSK	1	99	41140	41140	26	15	8865	/	/	/	22.52	22.33	23.20
CA_41D	41	20	QPSK	1	99	41140	41140	41	20	40942	41	20	40744	22.52	22.18	23.20
CA_2A-12B	2	20	QPSK	50	25	19100	1100	12	5	5095	12	5	5143	21.68	21.19	22.70
CA_4A-7C	4	20	QPSK	50	0	20300	2300	7	20	3100	7	20	3298	21.36	21.19	22.20
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	21.39	21.00	22.20
CA_4A-12B	4	20	QPSK	50	0	20300	2300	12	5	5095	12	5	5143	21.36	21.14	22.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	23.92	23.60	25.00
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	21.39	20.98	22.20
CA_7A-12B	7	20	16QAM	1	0	21350	3350	12	5	5095	12	5	5143	21.39	20.96	22.20
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	23.93	23.67	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	23.93	23.64	25.20
	41	20	QPSK	1	99	41140	41140	41	20	40942	26	15	8865	22.52	22.22	23.20

Table 106: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D3)

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	50	25	18700	700	2	20	898	/	/	/	19.67	19.45	20.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	23.92	23.70	25.00
CA_38C	38	20	16QAM	50	50	37850	37850	38	20	38048	/	/	/	20.56	20.24	21.00
CA_7A-7A	7	20	16QAM	1	99	21350	3350	7	20	2850	/	/	/	17.49	17.12	18.20
CA_2A-5A	2	20	QPSK	50	25	18700	700	5	10	2525	/	/	/	19.67	19.33	20.70
	5	10	QPSK	1	0	20525	2525	2	20	900	/	/	/	23.92	23.65	25.00
CA_2A-12A	2	20	QPSK	50	25	18700	700	12	10	5095	/	/	/	19.67	19.37	20.70
CA_2A-17A	2	20	QPSK	50	25	18700	700	17	10	5790	/	/	/	19.67	19.33	20.70
CA_4A-5A	4	20	QPSK	50	0	20050	2050	5	10	2525	/	/	/	18.37	18.10	19.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	/	/	/	23.92	23.60	25.00
CA_4A-7A	4	20	QPSK	50	0	20050	2050	7	20	3100	/	/	/	18.37	18.09	19.20
	7	20	16QAM	1	99	21350	3350	4	20	2175	/	/	/	17.49	17.25	18.20
CA_4A-12A	4	20	QPSK	50	0	20050	2050	12	10	5095	/	/	/	18.37	18.14	19.20
CA_4A-17A	4	20	QPSK	50	0	20050	2050	17	10	5790	/	/	/	18.37	18.15	19.20
CA_5A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	/	/	/	23.92	23.63	25.00
	7	20	16QAM	1	99	21350	3350	5	10	2525	/	/	/	17.49	17.21	18.20
CA_7A-12A	7	20	16QAM	1	99	21350	3350	12	10	5095	/	/	/	17.49	17.25	18.20
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	23.93	23.69	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	23.93	23.70	25.20
	41	20	64QAM	1	99	41140	41140	26	15	8865	/	/	/	20.56	20.32	21.20
CA_41D	41	20	64QAM	1	99	41140	41140	41	20	40942	41	20	40744	20.56	20.36	21.20
CA_2A-12B	2	20	QPSK	50	25	18700	700	12	5	5095	12	5	5143	19.67	19.45	20.70
CA_4A-7C	4	20	QPSK	50	0	20050	2050	7	20	3100	7	20	3298	18.37	18.14	19.20
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	17.49	17.22	18.20
CA_4A-12B	4	20	QPSK	50	0	20050	2050	12	5	5095	12	5	5143	18.37	18.16	19.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	23.92	23.66	25.00
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	17.49	17.23	18.20
CA_7A-12B	7	20	16QAM	1	99	21350	3350	12	5	5095	12	5	5143	17.49	17.25	18.20
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	23.93	23.66	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	23.93	23.71	25.20
	41	20	64QAM	1	99	41140	41140	41	20	40942	26	15	8865	20.56	20.26	21.20

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

DL LTE CA Class	PCC							SCC1			SCC 2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC 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	50	25	19100	1100	2	20	902	/	/	/	21.68	21.44	22.70
CA_5B	5	10	QPSK	1	0	20525	2525	5	5	2597	/	/	/	23.92	23.53	25.00
CA_38C	38	20	16QAM	1	50	37850	37850	38	20	38048	/	/	/	21.95	21.59	22.50
CA_7A-7A	7	20	16QAM	1	0	21350	3350	7	20	2850	/	/	/	18.99	18.58	19.70
CA_2A-5A	2	20	QPSK	50	25	19100	1100	5	10	2525	/	/	/	21.68	21.40	22.70
	5	10	QPSK	1	0	20525	2525	2	20	900	/	/	/	23.92	23.65	25.00
CA_2A-12A	2	20	QPSK	50	25	19100	1100	12	10	5095	/	/	/	21.68	21.32	22.70
CA_2A-17A	2	20	QPSK	50	25	19100	1100	17	10	5790	/	/	/	21.68	21.33	22.70
CA_4A-5A	4	20	QPSK	50	0	20300	2300	5	10	2525	/	/	/	21.36	21.09	22.20
	5	10	QPSK	1	0	20525	2525	4	20	2175	/	/	/	23.92	23.70	25.00
CA_4A-7A	4	20	QPSK	50	0	20300	2300	7	20	3100	/	/	/	21.36	21.16	22.20
	7	20	16QAM	1	0	21350	3350	4	20	2175	/	/	/	18.99	18.59	19.70
CA_4A-12A	4	20	QPSK	50	0	20300	2300	12	10	5095	/	/	/	21.36	21.10	22.20
CA_4A-17A	4	20	QPSK	50	0	20300	2300	17	10	5790	/	/	/	21.36	21.00	22.20
CA_5A-7A	5	10	QPSK	1	0	20525	2525	7	20	3100	/	/	/	23.92	23.68	25.00
	7	20	16QAM	1	0	21350	3350	5	10	2525	/	/	/	18.99	18.64	19.70
CA_7A-12A	7	20	16QAM	1	0	21350	3350	12	10	5095	/	/	/	18.99	18.60	19.70
CA_26A-41A	26	15	QPSK	1	0	26865	8865	41	20	40473	/	/	/	23.93	23.62	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	/	/	/	23.93	23.63	25.20
	41	20	QPSK	1	99	41140	41140	26	15	8865	/	/	/	22.52	22.33	23.20
CA_41D	41	20	QPSK	1	99	41140	41140	41	20	40942	41	20	40744	22.52	22.18	23.20
CA_2A-12B	2	20	QPSK	50	25	19100	1100	12	5	5095	12	5	5143	21.68	21.19	22.70
CA_4A-7C	4	20	QPSK	50	0	20300	2300	7	20	3100	7	20	3298	21.36	21.10	22.20
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	18.99	18.66	19.70
CA_4A-12B	4	20	QPSK	50	0	20300	2300	12	5	5095	12	5	5143	21.36	21.14	22.20
CA_5A-7C	5	10	QPSK	1	0	20525	2525	7	20	3100	7	20	3298	23.92	23.74	25.00
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	18.99	18.65	19.70
CA_7A-12B	7	20	16QAM	1	0	21350	3350	12	5	5095	12	5	5143	18.99	18.67	19.70
CA_26A-41C	26	15	QPSK	1	0	26865	8865	41	20	40473	41	20	40671	23.93	23.67	25.20
	26	15	QPSK	1	0	26865	8865	41	20	40807	41	20	41005	23.93	23.64	25.20
	41	20	QPSK	1	99	41140	41140	41	20	40942	26	15	8865	22.52	22.22	23.20

Table 108: Conducted power measurement results of DL CA(Main Antenna,Reduced Power Level D5)

7.1.30 Conducted Power measurements of Uplink LTE CA

For Intra-band uplink LTE CA measurement (Uplink CA_2C, CA_7C, CA_38C, CA_41C), 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	> 0 and < 25	> 12 and ≤ 50	> 0 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 109: 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 110: 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_2C	Full Power	QPSK	2	20	1	99	18700	700	2	20	18898	1	0	19.77	21.50
SEC ANT	CA_2C	Full Power	QPSK	2	20	1	99	18900	900	2	20	19098	1	0	19.72	21.50
SEC ANT	CA_2C	Full Power	QPSK	2	20	1	0	18900	900	2	20	18702	1	99	**19.79**	21.50
SEC ANT	CA_2C	Full Power	QPSK	2	20	1	0	19100	1100	2	20	18902	1	99	19.70	21.50
SEC ANT	CA_2C	Reduced Power Level D1	QPSK	2	20	1	99	18700	700	2	20	18898	1	0	14.70	16.50
SEC ANT	CA_2C	Reduced Power Level D1	QPSK	2	20	1	99	18900	900	2	20	19098	1	0	14.65	16.50
SEC ANT	CA_2C	Reduced Power Level D1	QPSK	2	20	1	0	18900	900	2	20	18702	1	99	**14.72**	16.50
SEC ANT	CA_2C	Reduced Power Level D1	QPSK	2	20	1	0	19100	1100	2	20	18902	1	99	14.70	16.50
SEC ANT	CA_2C	Reduced Power Level D3	QPSK	2	20	1	99	18700	700	2	20	18898	1	0	10.65	12.50
SEC ANT	CA_2C	Reduced Power Level D3	QPSK	2	20	1	99	18900	900	2	20	19098	1	0	10.66	12.50
SEC ANT	CA_2C	Reduced Power Level D3	QPSK	2	20	1	0	18900	900	2	20	18702	1	99	10.65	12.50
SEC ANT	CA_2C	Reduced Power Level D3	QPSK	2	20	1	0	19100	1100	2	20	18902	1	99	10.55	12.50
SEC ANT	CA_2C	Reduced Power Level D2	QPSK	2	20	1	99	18700	700	2	20	18898	1	0	15.58	17.50
SEC ANT	CA_2C	Reduced Power Level D2	QPSK	2	20	1	99	18900	900	2	20	19098	1	0	15.64	17.50
SEC ANT	CA_2C	Reduced Power Level D2	QPSK	2	20	1	0	18900	900	2	20	18702	1	99	15.61	17.50
SEC ANT	CA_2C	Reduced Power Level D2	QPSK	2	20	1	0	19100	1100	2	20	18902	1	99	**15.65**	17.50
MAIN ANT	CA_2C	Full Power	QPSK	2	20	1	99	18700	700	2	20	18898	1	0	22.52	24.50
MAIN ANT	CA_2C	Full Power	QPSK	2	20	1	99	18900	900	2	20	19098	1	0	22.53	24.50
MAIN ANT	CA_2C	Full Power	QPSK	2	20	1	0	18900	900	2	20	18702	1	99	**22.58**	24.50
MAIN ANT	CA_2C	Full Power	QPSK	2	20	1	0	19100	1100	2	20	18902	1	99	22.51	24.50
MAIN ANT	CA_2C	Reduced Power Level D1/D3/D5	QPSK	2	20	1	99	18700	700	2	20	18898	1	0	20.53	22.50
MAIN ANT	CA_2C	Reduced Power Level D1/D3/D5	QPSK	2	20	1	99	18900	900	2	20	19098	1	0	20.51	22.50
MAIN ANT	CA_2C	Reduced Power Level D1/D3/D5	QPSK	2	20	1	0	18900	900	2	20	18702	1	99	**20.67**	22.50
MAIN ANT	CA_2C	Reduced Power Level D1/D3/D5	QPSK	2	20	1	0	19100	1100	2	20	18902	1	99	20.53	22.50
MAIN ANT	CA_2C	Reduced Power Level D4	QPSK	2	20	1	99	18700	700	2	20	18898	1	0	18.67	20.50
MAIN ANT	CA_2C	Reduced Power Level D4	QPSK	2	20	1	99	18900	900	2	20	19098	1	0	18.70	20.50
MAIN ANT	CA_2C	Reduced Power Level D4	QPSK	2	20	1	0	18900	900	2	20	18702	1	99	18.76	20.50
MAIN ANT	CA_2C	Reduced Power Level D4	QPSK	2	20	1	0	19100	1100	2	20	18902	1	99	18.66	20.50
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	18.20	20.00
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.22	20.00
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	18.17	20.00
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	**18.23**	20.00
SEC ANT	UL CA_7C with DL CA_4A-7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.15	20.00
SEC ANT	UL CA_7C with DL CA_5A-7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.19	20.00
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	11.56	13.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	11.71	13.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.85	13.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	**11.89**	13.50
SEC ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.62	13.50
SEC ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.64	13.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	9.62	11.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	9.64	11.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.85	11.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	9.76	11.50
SEC ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.69	11.50
SEC ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	9.68	11.50

SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	16.00	17.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	16.13	17.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	16.10	17.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	**16.32**	17.50
SEC ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	16.27	17.50
SEC ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	16.09	17.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	22.28	24.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	**22.52**	24.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	22.37	24.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	22.38	24.50
MAIN ANT	UL CA_7C with DL CA_4A-7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	22.40	24.50
MAIN ANT	UL CA_7C with DL CA_5A-7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	22.34	24.50
MAIN ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	18.51	20.50
MAIN ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.52	20.50
MAIN ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	18.32	20.50
MAIN ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.44	20.50
MAIN ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.29	20.50
MAIN ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.35	20.50
MAIN ANT	CA_7C	Reduced Power Level D2/D3	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	20.75	22.00
MAIN ANT	CA_7C	Reduced Power Level D2/D3	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	20.66	22.00
MAIN ANT	CA_7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	20.78	22.00
MAIN ANT	CA_7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	**21.00**	22.00
MAIN ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.68	22.00
MAIN ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D2/D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.63	22.00
MAIN ANT	CA_7C	Reduced Power Level D4	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	15.75	18.00
MAIN ANT	CA_7C	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	16.01	18.00
MAIN ANT	CA_7C	Reduced Power Level D4	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	15.91	18.00
MAIN ANT	CA_7C	Reduced Power Level D4	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	15.88	18.00
MAIN ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	15.68	18.00
MAIN ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	15.76	18.00
MAIN ANT	CA_7C	Reduced Power Level D5	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	17.20	19.50
MAIN ANT	CA_7C	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.51	19.50
MAIN ANT	CA_7C	Reduced Power Level D5	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	17.32	19.50
MAIN ANT	CA_7C	Reduced Power Level D5	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	17.36	19.50
MAIN ANT	UL CA_7C with DL CA_4A-7C	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.36	19.50
MAIN ANT	UL CA_7C with DL CA_5A-7C	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.29	19.50

SEC ANT	CA_38C	Full Power	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	**21.72**	23.00
SEC ANT	CA_38C	Full Power	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	21.65	23.00
SEC ANT	CA_38C	Reduced Power Level D1	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	14.66	16.00
SEC ANT	CA_38C	Reduced Power Level D1	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	**14.92**	16.00
SEC ANT	CA_38C	Reduced Power Level D3	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	13.12	14.50
SEC ANT	CA_38C	Reduced Power Level D3	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	13.45	14.50
SEC ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	**20.26**	21.50
SEC ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	20.21	21.50
MAIN ANT	CA_38C	Full Power	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	**23.01**	25.00
MAIN ANT	CA_38C	Full Power	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	23.00	25.00
MAIN ANT	CA_38C	Reduced Power Level D1/D3	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	21.03	23.00
MAIN ANT	CA_38C	Reduced Power Level D1/D3	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	**21.20**	23.00
MAIN ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	22.36	24.50
MAIN ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	22.60	24.50
MAIN ANT	CA_38C	Reduced Power Level D4	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	19.06	21.00
MAIN ANT	CA_38C	Reduced Power Level D4	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	19.09	21.00
MAIN ANT	CA_38C	Reduced Power Level D5	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	20.57	22.50
MAIN ANT	CA_38C	Reduced Power Level D5	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	20.76	22.50
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	22.59	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	22.63	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	22.78	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	22.65	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	22.62	24.20
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	**22.93**	24.20
SEC ANT	UL CA_41C With DL CA_41D	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	22.81	24.20
SEC ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	22.68	24.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	14.78	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	**14.92**	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	14.70	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	14.65	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	14.62	16.20
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	14.73	16.20
SEC ANT	UL CA_41C With DL CA_41D	Reduced Power Level D1	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	14.65	16.20
SEC ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D1	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	14.80	16.20
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	13.09	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	13.09	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	13.12	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	13.13	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	13.11	14.70
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	13.34	14.70
SEC ANT	UL CA_41C With DL CA_41D	Reduced Power Level D3	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	13.18	14.70
SEC ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D3	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	13.10	14.70

SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	21.13	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	21.31	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	21.26	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	21.27	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.28	22.70
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	**21.36**	22.70
SEC ANT	UL CA_41C With DL CA_41D	Reduced Power Level D2	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	21.20	22.70
SEC ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D2	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	21.21	22.70
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	23.68	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	**23.91**	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	23.69	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	23.78	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	23.87	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	23.88	25.20
MAIN ANT	UL CA_41C With DL CA_41D	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.79	25.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.83	25.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	21.92	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	21.93	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	21.90	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	21.95	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	**22.09**	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	22.06	23.20
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.93	23.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.96	23.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	19.69	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	20.01	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	20.01	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	19.85	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	19.92	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	19.89	21.20
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	19.81	21.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	19.79	21.20

Table 111: Additional Conducted Power test results of UL inter-band CA

Note: For uplink CA, additional SAR test is only required on the uplink CA configurations with 2 component carriers downlink. Additional SAR test is not required for uplink CA configurations with 3~4 component carriers downlink because the highest UL CA output power configuration with 3~4 component carriers downlink is < ¼ dB higher than the same UL CA output power configuration with 2 component carriers downlink.

7.1.31 Conducted power measurements of WiFi 2.4G

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	10.50	**8.87**
		6	2437		10.50	**9.32**
		11	2462		10.50	**9.61**
	Ant6(core1)	1	2412		10.50	**9.20**
		6	2437		10.50	**9.87**
		11	2462		10.50	**9.34**
802.11g SISO	Ant5(core0)	1	2412	6M	10.50	8.93
		6	2437		10.50	8.93
		11	2462		10.50	8.76
	Ant6(core1)	1	2412		10.50	9.26
		6	2437		10.50	8.63
		11	2462		10.50	9.41
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	10.50	8.75
		6	2437		10.50	8.79
		11	2462		10.50	8.65
	Ant6(core1)	1	2412		10.50	9.10
		6	2437		10.50	8.51
		11	2462		10.50	9.30
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.31
		4	2427		10.50	**9.89**
		5	2432		10.50	**9.92**
		6	2437		10.50	**9.69**
		7	2442		8.00	6.50
		8	2447		8.00	6.62
		9	2452		8.00	6.47
	Ant6(core1)	3	2422	MCS0	9.00	7.74
		4	2427		10.50	**8.96**
		5	2432		10.50	**9.68**
		6	2437		10.50	**9.19**
		7	2442		8.00	6.53
		8	2447		8.00	6.49
		9	2452		8.00	6.20

Table 112: 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)
802.11g CDD	Ant5(core0)	1	2412	6M	10.50	8.93
		6	2437		10.50	8.93
		11	2462		10.50	8.76
	Ant6(core1)	1	2412		10.50	9.26
		6	2437		10.50	8.63
		11	2462		10.50	9.41
	Sum	1	2412	6M	13.50	12.11
		6	2437		13.50	11.79
		11	2462		13.50	12.11
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	10.50	8.75
		6	2437		10.50	8.79
		11	2462		10.50	8.65
	Ant6(core1)	1	2412		10.50	9.10
		6	2437		10.50	8.51
		11	2462		10.50	9.30
	Sum	1	2412	MCS0	13.50	11.94
		6	2437		13.50	11.66
		11	2462		13.50	12.00
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS8	9.00	7.31
		4	2427		10.50	9.89
		5	2432		10.50	9.92
		6	2437		10.50	9.69
		7	2442		8.00	6.50
		8	2447		8.00	6.62
		9	2452		8.00	6.47
	Ant6(core1)	3	2422		9.00	7.74
		4	2427		10.50	8.96
		5	2432		10.50	9.68
		6	2437		10.50	9.19
		7	2442		8.00	6.53
		8	2447		8.00	6.49
		9	2452		8.00	6.20
	Sum	3	2422	MCS8	12.00	10.54
		4	2427		13.50	12.46
		5	2432		13.50	12.81
		6	2437		13.50	12.46
		7	2442		11.00	9.53
		8	2447		11.00	9.57
		9	2452		11.00	9.35

Table 113: 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)
802.11b	Ant5(core0)	1	2412	1M	19.00	**17.69**
		6	2437		19.00	**17.82**
		11	2462		19.00	**18.00**
	Ant6(core1)	1	2412		18.50	**17.52**
		6	2437		18.50	**17.07**
		11	2462		18.50	**17.81**
802.11g SISO	Ant5(core0)	1	2412	6M	11.50	9.43
		2	2417		18.00	**16.03**
		6	2437		18.00	**16.37**
		10	2457		18.00	**16.22**
		11	2462		11.50	9.67
	Ant6(core1)	1	2412		11.50	9.10
		2	2417		17.50	**15.69**
		6	2437		17.50	**15.58**
		10	2457		17.50	**15.84**
		11	2462		11.50	10.20
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.44
		2	2417		17.00	14.67
		6	2437		17.00	14.99
		10	2457		17.00	14.85
		11	2462		11.50	9.55
	Ant6(core1)	1	2412		11.50	9.05
		2	2417		16.50	14.59
		6	2437		16.50	14.56
		10	2457		16.50	14.80
		11	2462		11.50	10.03
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.92
		4	2427		17.00	15.02
		5	2432		17.00	15.36
		6	2437		17.00	15.13
		7	2442		8.00	6.39
		8	2447		8.00	6.53
		9	2452		8.00	7.01
	Ant6(core1)	3	2422	MCS0	9.00	8.08
		4	2427		16.50	15.16
		5	2432		16.50	15.20
		6	2437		16.50	15.37
		7	2442		8.00	6.53
		8	2447		8.00	6.70
		9	2452		8.00	7.02

Table 114: Conducted power measurement results of WiFi 2.4G SISO(Full Power).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	11.50	9.42
		2	2417		18.00	15.91
		6	2437		18.00	16.20
		10	2457		18.00	16.10
		11	2462		11.50	9.70
	Ant6(core1)	1	2412		11.50	9.10
		2	2417		17.50	15.84
		6	2437		17.50	15.51
		10	2457		17.50	15.63
		11	2462		11.50	9.30
	Sum	1	2412		14.50	12.27
		2	2417		20.80	18.89
		6	2437		20.80	18.88
		10	2457		20.80	18.88
		11	2462		14.50	12.51
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.02
		2	2417		17.00	14.52
		6	2437		17.00	14.87
		10	2457		17.00	14.79
		11	2462		11.50	9.29
	Ant6(core1)	1	2412		11.50	8.53
		2	2417		16.50	14.83
		6	2437		16.50	14.49
		10	2457		16.50	14.45
		11	2462		11.50	8.61
	Sum	1	2412		14.50	11.79
		2	2417		19.80	17.69
		6	2437		19.80	17.69
		10	2457		19.80	17.63
		11	2462		14.50	11.97
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.67
		4	2427		17.00	15.00
		5	2432		17.00	15.09
		6	2437		17.00	15.03
		7	2442		8.00	6.63
		8	2447		8.00	6.71
		9	2452		8.00	6.91
	Ant6(core1)	3	2422		9.00	7.66
		4	2427		16.50	15.25
		5	2432		16.50	15.30
		6	2437		16.50	15.39
		7	2442		8.00	6.80
		8	2447		8.00	6.29
		9	2452		8.00	6.32
	Sum	3	2422		12.00	10.68

		4	2427		19.80	18.14
		5	2432		19.80	18.21
		6	2437		19.80	18.22
		7	2442		11.00	9.73
		8	2447		11.00	9.52
		9	2452		11.00	9.64

Table 115: Conducted power measurement results of WiFi 2.4G CDD/MIMO(Full Power).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	12.00	10.40
		7	2442		12.00	10.44
		13	2472		12.00	10.51
	Ant6(core1)	1	2412		12.00	11.04
		7	2442		12.00	10.92
		13	2472		12.00	10.71
802.11g SISO	Ant5(core0)	1	2412	6M	11.50	9.51
		2	2417		12.00	10.40
		7	2442		12.00	10.16
		10	2457		12.00	9.78
		11	2462		11.50	9.50
		12	2467		12.00	10.26
		13	2472		12.00	10.26
	Ant6(core1)	1	2412		11.50	9.65
		2	2417		12.00	10.67
		7	2442		12.00	10.13
		10	2457		12.00	10.32
		11	2462		11.50	10.05
		12	2467		12.00	10.39
		13	2472		12.00	10.13
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.36
		2	2417		12.00	10.23
		7	2442		12.00	9.60
		10	2457		12.00	9.62
		11	2462		11.50	9.34
		12	2467		12.00	9.95
		13	2472		12.00	10.02
	Ant6(core1)	1	2412		11.50	9.42
		2	2417		12.00	10.46
		7	2442		12.00	9.95
		10	2457		12.00	10.18
		11	2462		11.50	10.16
		12	2467		12.00	9.90
		13	2472		12.00	9.91
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.81
		4	2427		12.00	10.36
		7	2442		8.00	10.32
		8	2447		8.00	10.70
		9	2452		8.00	6.89
		10	2457		8.00	7.01
		11	2462		8.00	6.83
	Ant6(core1)	3	2422		9.00	8.38
		4	2427		12.00	11.45
		7	2442		8.00	10.88
		8	2447		8.00	10.89
		9	2452		8.00	6.96
		10	2457		8.00	6.87
		11	2462		8.00	6.91

Table 116: 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	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	11.50	9.51
		2	2417		12.00	10.40
		7	2442		12.00	9.86
		10	2457		12.00	9.78
		11	2462		11.50	9.50
		12	2467		12.00	10.26
		13	2472		12.00	10.26
	Ant6(core1)	1	2412		11.50	9.65
		2	2417		12.00	10.67
		7	2442		12.00	10.13
		10	2457		12.00	10.32
		11	2462		11.50	10.05
		12	2467		12.00	10.39
		13	2472		12.00	10.13
	Sum	1	2412	6M	14.50	12.59
		2	2417		15.00	13.28
		7	2442		15.00	13.11
		10	2457		15.00	12.93
		11	2462		14.50	12.98
		12	2467		15.00	13.21
		13	2472		15.00	14.59
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.36
		2	2417		12.00	10.23
		7	2442		12.00	9.60
		10	2457		12.00	9.62
		11	2462		11.50	9.34
		12	2467		12.00	9.95
		13	2472		12.00	10.02
	Ant6(core1)	1	2412		11.50	9.42
		2	2417		12.00	10.46
		7	2442		12.00	9.95
		10	2457		12.00	10.18
		11	2462		11.50	10.16
		12	2467		12.00	9.90
		13	2472		12.00	9.91
	Sum	1	2412	MCS8	14.50	12.40
		2	2417		15.00	13.36
		7	2442		15.00	12.79
		10	2457		15.00	12.92
		11	2462		14.50	12.78
		12	2467		15.00	12.94
		13	2472		15.00	12.98
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS8	9.00	7.81
		4	2427		12.00	10.36
		7	2442		12.00	10.32

		8	2447		12.00	10.70
		9	2452		8.00	6.89
		10	2457		8.00	7.01
		11	2462		8.00	6.83
	Ant6(core1)	3	2422		9.00	8.38
		4	2427		12.00	11.45
		7	2442		12.00	10.88
		8	2547		12.00	10.89
		9	2452		8.00	6.96
		10	2457		8.00	6.87
		11	2462		8.00	6.91
	Sum	3	2422	MCS8	12.00	11.11
		4	2427		15.00	13.95
		7	2442		15.00	13.62
		8	2447		15.00	13.81
		9	2452		11.00	9.94
		10	2457		11.00	9.95
		11	2462		11.00	9.88

Table 117: 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.

7.1.32 Conducted power measurements of WiFi 5G

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	8.50	7.17
		CH 40	5200		8.50	7.27
		CH 44	5220		8.50	7.43
		CH 48	5240		8.50	7.26
		CH 52	5260		8.50	6.32
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.04
		CH 64	5320		8.50	5.94
		CH 100	5500		8.50	7.59
		CH 104	5520		8.50	7.52
		CH 108	5540		8.50	7.47
		CH 112	5560		8.50	7.45
		CH 116	5580		8.50	6.89
		CH 120	5600		8.50	6.97
		CH 124	5620		8.50	7.19
		CH 128	5640		8.50	7.33
		CH 132	5660		8.50	7.68
		CH 136	5680		8.50	7.78
		CH 140	5700		8.50	7.69
		CH 149	5745		8.50	7.85
		CH 153	5765		8.50	7.78
		CH 157	5785		8.50	7.70
		CH 161	5805		8.50	7.73
		CH 165	5825		8.50	7.84
	Ant6(core1)	CH 36	5180	6M	8.50	6.95
		CH 40	5200		8.50	7.00
		CH 44	5220		8.50	6.78
		CH 48	5240		8.50	6.81
		CH 52	5260		8.50	6.48
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.49
		CH 64	5320		8.50	6.45
		CH 100	5500		8.50	6.12
		CH 104	5520		8.50	6.25
		CH 108	5540		8.50	6.38
		CH 112	5560		8.50	6.76
		CH 116	5580		8.50	6.67
		CH 120	5600		8.50	6.58
		CH 124	5620		8.50	6.71
		CH 128	5640		8.50	6.79
		CH 132	5660		8.50	7.04
		CH 136	5680		8.50	6.96
		CH 140	5700		8.50	6.98
		CH 149	5745		8.50	6.04
		CH 153	5765		8.50	5.89

		CH 157	5785		8.50	6.41
		CH 161	5805		8.50	6.61
		CH 165	5825		8.50	6.54
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.34
		CH 40	5200		8.50	7.34
		CH 44	5220		8.50	7.04
		CH 48	5240		8.50	6.90
		CH 52	5260		8.50	6.10
		CH 56	5280		8.50	5.96
		CH 60	5300		8.50	5.99
		CH 64	5320		8.50	5.85
		CH 100	5500		8.50	7.50
		CH 104	5520		8.50	7.41
		CH 108	5540		8.50	7.31
		CH 112	5560		8.50	7.31
		CH 116	5580		8.50	6.90
		CH 120	5600		8.50	6.99
		CH 124	5620		8.50	6.93
		CH 128	5640		8.50	7.06
		CH 132	5660		8.50	7.56
		CH 136	5680		8.50	7.63
		CH 140	5700		8.50	7.54
		CH 149	5745		8.50	7.85
		CH 153	5765		8.50	7.76
		CH 157	5785		8.50	7.65
		CH 161	5805		8.50	7.73
		CH 165	5825		8.50	7.80
	Ant6(core1)	CH 36	5180	MCS0	8.50	6.91
		CH 40	5200		8.50	6.68
		CH 44	5220		8.50	6.65
		CH 48	5240		8.50	6.52
		CH 52	5260		8.50	6.45
		CH 56	5280		8.50	6.21
		CH 60	5300		8.50	6.32
		CH 64	5320		8.50	6.44
		CH 100	5500		8.50	6.14
		CH 104	5520		8.50	6.07
		CH 108	5540		8.50	6.25
		CH 112	5560		8.50	6.44
		CH 116	5580		8.50	6.57
		CH 120	5600		8.50	6.66
		CH 124	5620		8.50	6.52
		CH 128	5640		8.50	6.59
		CH 132	5660		8.50	6.87

		CH 136	5680		8.50	6.89
		CH 140	5700		8.50	6.83
		CH 149	5745		8.50	5.87
		CH 153	5765		8.50	6.03
		CH 157	5785		8.50	5.91
		CH 161	5805		8.50	6.82
		CH 165	5825		8.50	6.60
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.70
		CH 46	5230		8.50	7.38
		CH 54	5270		8.50	6.50
		CH 62	5310		8.50	6.17
		CH 102	5510		8.50	7.68
		CH 110	5550		8.50	7.64
		CH 118	5590		8.50	7.18
		CH 126	5630		8.50	7.35
		CH 134	5670		8.50	8.03
		CH 151	5755		8.50	8.11
		CH 159	5795		8.50	8.13
	Ant6(core1)	CH 38	5190	MCS0	8.50	7.30
		CH 46	5230		8.50	7.20
		CH 54	5270		8.50	7.12
		CH 62	5310		8.50	7.00
		CH 102	5510		8.50	6.11
		CH 110	5550		8.50	6.48
		CH 118	5590		8.50	6.83
		CH 126	5630		8.50	6.78
		CH 134	5670		8.50	7.14
		CH 151	5755		8.50	6.21
		CH 159	5795		8.50	6.59
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.18
		CH 40	5200		8.50	7.17
		CH 44	5220		8.50	7.01
		CH 48	5240		8.50	7.01
		CH 52	5260		8.50	6.50
		CH 56	5280		8.50	6.40
		CH 60	5300		8.50	6.17
		CH 64	5320		8.50	6.11
		CH 100	5500		8.50	7.45
		CH 104	5520		8.50	7.37
		CH 108	5540		8.50	7.27
		CH 112	5560		8.50	7.25
		CH 116	5580		8.50	6.70

		CH 120	5600		8.50	6.79
		CH 124	5620		8.50	6.83
		CH 128	5640		8.50	6.92
		CH 132	5660		8.50	7.32
		CH 136	5680		8.50	7.32
		CH 140	5700		8.50	7.38
		CH 149	5745		8.50	7.56
		CH 153	5765		8.50	7.50
		CH 157	5785		8.50	7.59
		CH 161	5805		8.50	7.69
		CH 165	5825		8.50	7.85
	Ant6(core1)	CH 36	5180	MCS0	8.50	6.93
		CH 40	5200		8.50	6.78
		CH 44	5220		8.50	6.73
		CH 48	5240		8.50	6.56
		CH 52	5260		8.50	6.26
		CH 56	5280		8.50	6.14
		CH 60	5300		8.50	6.22
		CH 64	5320		8.50	6.33
		CH 100	5500		8.50	6.51
		CH 104	5520		8.50	6.55
		CH 108	5540		8.50	6.58
		CH 112	5560		8.50	6.68
		CH 116	5580		8.50	6.74
		CH 120	5600		8.50	6.73
		CH 124	5620		8.50	6.99
		CH 128	5640		8.50	7.06
		CH 132	5660		8.50	7.29
		CH 136	5680		8.50	7.33
		CH 140	5700		8.50	7.17
		CH 149	5745		8.50	5.80
		CH 153	5765		8.50	5.86
		CH 157	5785		8.50	5.88
		CH 161	5805		8.50	6.20
		CH 165	5825		8.50	6.49
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.41
		CH 46	5230		8.50	7.23
		CH 54	5270		8.50	6.18
		CH 62	5310		8.50	6.31
		CH 102	5510		8.50	7.28
		CH 110	5550		8.50	7.12
		CH 118	5590		8.50	6.72
		CH 126	5630		8.50	6.97
		CH 134	5670		8.50	7.73

		CH 151	5755		8.50	7.69
		CH 159	5795		8.50	7.78
	Ant6(core1)	CH 38	5190	MCS0	8.50	7.46
		CH 46	5230		8.50	7.21
		CH 54	5270		8.50	7.00
		CH 62	5310		8.50	6.93
		CH 102	5510		8.50	6.77
		CH 110	5550		8.50	7.01
		CH 118	5590		8.50	7.10
		CH 126	5630		8.50	7.20
		CH 134	5670		8.50	7.49
		CH 151	5755		8.50	6.16
		CH 159	5795		8.50	6.41
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 80M	Ant5(core0)	CH 42	5210	MCS0	8.50	7.14
		CH 58	5290		8.50	**6.57**
		CH 106	5530		8.50	7.32
		CH 122	5610		8.50	7.01
		CH 155	5775		8.50	**7.57**
	Ant6(core1)	CH 42	5210	MCS0	8.50	7.30
		CH 58	5290		8.50	**7.08**
		CH 106	5530		8.50	7.05
		CH 122	5610		8.50	7.37
		CH 155	5775		8.50	**6.56**
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	8.50	7.76
		CH 114	5570		8.50	**7.82**
	Ant6(core1)	CH 50	5250	MCS0	8.50	7.25
		CH 114	5570		8.50	**7.16**

Table 118: 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)
802.11a CDD	Ant5(core0)	CH 36	5180	6M	8.50	7.17
		CH 40	5200		8.50	7.27
		CH 44	5220		8.50	7.43
		CH 48	5240		8.50	7.26
		CH 52	5260		8.50	6.32
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.04
		CH 64	5320		8.50	5.94
		CH 100	5500		8.50	7.59
		CH 104	5520		8.50	7.52
		CH 108	5540		8.50	7.47
		CH 112	5560		8.50	7.45
		CH 116	5580		8.50	6.89
		CH 120	5600		8.50	6.97
		CH 124	5620		8.50	7.19
		CH 128	5640		8.50	7.33
		CH 132	5660		8.50	7.68
		CH 136	5680		8.50	7.78
		CH 140	5700		8.50	7.69
		CH 149	5745		8.50	7.85
		CH 153	5765		8.50	7.78
		CH 157	5785		8.50	7.70
		CH 161	5805		8.50	7.73
		CH 165	5825		8.50	7.84
	Ant6(core1)	CH 36	5180		8.50	6.95
		CH 40	5200		8.50	7.00
		CH 44	5220		8.50	6.78
		CH 48	5240		8.50	6.81
		CH 52	5260		8.50	6.48
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.49
		CH 64	5320		8.50	6.45
		CH 100	5500		8.50	6.12
		CH 104	5520		8.50	6.25
		CH 108	5540		8.50	6.38
		CH 112	5560		8.50	6.76
		CH 116	5580		8.50	6.67
		CH 120	5600		8.50	6.58
		CH 124	5620		8.50	6.71
		CH 128	5640		8.50	6.79
		CH 132	5660		8.50	7.04
		CH 136	5680		8.50	6.96
		CH 140	5700		8.50	6.98

		CH 149	5745		8.50	6.04
		CH 153	5765		8.50	5.89
		CH 157	5785		8.50	6.41
		CH 161	5805		8.50	6.61
		CH 165	5825		8.50	6.54
	Sum	CH 36	5180	6M	11.50	10.07
		CH 40	5200		11.50	10.15
		CH 44	5220		11.50	10.13
		CH 48	5240		11.50	10.05
		CH 52	5260		11.50	9.41
		CH 56	5280		11.50	9.39
		CH 60	5300		11.50	9.28
		CH 64	5320		11.50	9.21
		CH 100	5500		11.50	9.93
		CH 104	5520		11.50	9.94
		CH 108	5540		11.50	9.97
		CH 112	5560		11.50	10.13
		CH 116	5580		11.50	9.79
		CH 120	5600		11.50	9.79
		CH 124	5620		11.50	9.97
		CH 128	5640		11.50	10.08
		CH 132	5660		11.50	10.38
		CH 136	5680		11.50	10.40
		CH 140	5700		11.50	10.36
		CH 149	5745		11.50	10.05
		CH 153	5765		11.50	9.95
		CH 157	5785		11.50	10.11
		CH 161	5805		11.50	10.22
		CH 165	5825		11.50	10.25
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.34
		CH 40	5200		8.50	7.34
		CH 44	5220		8.50	7.04
		CH 48	5240		8.50	6.90
		CH 52	5260		8.50	6.10
		CH 56	5280		8.50	5.96
		CH 60	5300		8.50	5.99
		CH 64	5320		8.50	5.85
		CH 100	5500		8.50	7.50
		CH 104	5520		8.50	7.41
		CH 108	5540		8.50	7.31
		CH 112	5560		8.50	7.31
		CH 116	5580		8.50	6.90
		CH 120	5600		8.50	6.99
		CH 124	5620		8.50	6.93
		CH 128	5640		8.50	7.06
		CH 132	5660		8.50	7.56

		CH 136	5680		8.50	7.63
		CH 140	5700		8.50	7.54
		CH 149	5745		8.50	7.85
		CH 153	5765		8.50	7.76
		CH 157	5785		8.50	7.65
		CH 161	5805		8.50	7.73
		CH 165	5825		8.50	7.80
	Ant6(core1)	CH 36	5180		8.50	6.91
		CH 40	5200		8.50	6.68
		CH 44	5220		8.50	6.65
		CH 48	5240		8.50	6.52
		CH 52	5260		8.50	6.45
		CH 56	5280		8.50	6.21
		CH 60	5300		8.50	6.32
		CH 64	5320		8.50	6.44
		CH 100	5500		8.50	6.14
		CH 104	5520		8.50	6.07
		CH 108	5540		8.50	6.25
		CH 112	5560		8.50	6.44
		CH 116	5580		8.50	6.57
		CH 120	5600		8.50	6.66
		CH 124	5620		8.50	6.52
		CH 128	5640		8.50	6.59
		CH 132	5660		8.50	6.87
		CH 136	5680		8.50	6.89
		CH 140	5700		8.50	6.83
		CH 149	5745		8.50	5.87
		CH 153	5765		8.50	6.03
		CH 157	5785		8.50	5.91
		CH 161	5805		8.50	6.82
		CH 165	5825		8.50	6.60
	Sum	CH 36	5180	MCS0	11.50	10.14
		CH 40	5200		11.50	10.03
		CH 44	5220		11.50	9.86
		CH 48	5240		11.50	9.72
		CH 52	5260		11.50	9.29
		CH 56	5280		11.50	9.10
		CH 60	5300		11.50	9.17
		CH 64	5320		11.50	9.17
		CH 100	5500		11.50	9.88
		CH 104	5520		11.50	9.80
		CH 108	5540		11.50	9.82
		CH 112	5560		11.50	9.91
		CH 116	5580		11.50	9.75
		CH 120	5600		11.50	9.84
		CH 124	5620		11.50	9.74

		CH 128	5640		11.50	9.84
		CH 132	5660		11.50	10.24
		CH 136	5680		11.50	10.29
		CH 140	5700		11.50	10.21
		CH 149	5745		11.50	9.98
		CH 153	5765		11.50	9.99
		CH 157	5785		11.50	9.88
		CH 161	5805		11.50	10.31
		CH 165	5825		11.50	10.25
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.70
		CH 46	5230		8.50	7.38
		CH 54	5270		8.50	6.50
		CH 62	5310		8.50	6.17
		CH 102	5510		8.50	7.68
		CH 110	5550		8.50	7.64
		CH 118	5590		8.50	7.18
		CH 126	5630		8.50	7.35
		CH 134	5670		8.50	8.03
		CH 151	5755		8.50	8.11
		CH 159	5795		8.50	8.13
	Ant6(core1)	CH 38	5190		8.50	7.30
		CH 46	5230		8.50	7.20
		CH 54	5270		8.50	7.12
		CH 62	5310		8.50	7.00
		CH 102	5510		8.50	6.11
		CH 110	5550		8.50	6.48
		CH 118	5590		8.50	6.83
		CH 126	5630		8.50	6.78
		CH 134	5670		8.50	7.14
		CH 151	5755		8.50	6.21
		CH 159	5795		8.50	6.59
	Sum	CH 38	5190	MCS0	11.50	10.51
		CH 46	5230		11.50	10.30
		CH 54	5270		11.50	9.83
		CH 62	5310		11.50	9.62
		CH 102	5510		11.50	9.98
		CH 110	5550		11.50	10.11
		CH 118	5590		11.50	10.02
		CH 126	5630		11.50	10.08
		CH 134	5670		11.50	10.62
		CH 151	5755		11.50	10.27
		CH 159	5795		11.50	10.44

Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.18
		CH 40	5200		8.50	7.17
		CH 44	5220		8.50	7.01
		CH 48	5240		8.50	7.01
		CH 52	5260		8.50	6.50
		CH 56	5280		8.50	6.40
		CH 60	5300		8.50	6.17
		CH 64	5320		8.50	6.11
		CH 100	5500		8.50	7.45
		CH 104	5520		8.50	7.37
		CH 108	5540		8.50	7.27
		CH 112	5560		8.50	7.25
		CH 116	5580		8.50	6.70
		CH 120	5600		8.50	6.79
		CH 124	5620		8.50	6.83
		CH 128	5640		8.50	6.92
		CH 132	5660		8.50	7.32
		CH 136	5680		8.50	7.32
		CH 140	5700		8.50	7.38
		CH 149	5745		8.50	7.56
		CH 153	5765		8.50	7.50
		CH 157	5785		8.50	7.59
		CH 161	5805		8.50	7.69
		CH 165	5825		8.50	7.85
	Ant6(core1)	CH 36	5180		8.50	6.93
		CH 40	5200		8.50	6.78
		CH 44	5220		8.50	6.73
		CH 48	5240		8.50	6.56
		CH 52	5260		8.50	6.26
		CH 56	5280		8.50	6.14
		CH 60	5300		8.50	6.22
		CH 64	5320		8.50	6.33
		CH 100	5500		8.50	6.51
		CH 104	5520		8.50	6.55
		CH 108	5540		8.50	6.58
		CH 112	5560		8.50	6.68
		CH 116	5580		8.50	6.74
		CH 120	5600		8.50	6.73
		CH 124	5620		8.50	6.99
		CH 128	5640		8.50	7.06
		CH 132	5660		8.50	7.29
		CH 136	5680		8.50	7.33
		CH 140	5700		8.50	7.17
		CH 149	5745		8.50	5.80
		CH 153	5765		8.50	5.86
		CH 157	5785		8.50	5.88

		CH 161	5805		8.50	6.20
		CH 165	5825		8.50	6.49
	Sum	CH 36	5180	MCS0	11.50	10.07
		CH 40	5200		11.50	9.99
		CH 44	5220		11.50	9.88
		CH 48	5240		11.50	9.80
		CH 52	5260		11.50	9.39
		CH 56	5280		11.50	9.28
		CH 60	5300		11.50	9.21
		CH 64	5320		11.50	9.23
		CH 100	5500		11.50	10.02
		CH 104	5520		11.50	9.99
		CH 108	5540		11.50	9.95
		CH 112	5560		11.50	9.98
		CH 116	5580		11.50	9.73
		CH 120	5600		11.50	9.77
		CH 124	5620		11.50	9.92
		CH 128	5640		11.50	10.00
		CH 132	5660		11.50	10.32
		CH 136	5680		11.50	10.34
		CH 140	5700		11.50	10.29
		CH 149	5745		11.50	9.78
		CH 153	5765		11.50	9.77
		CH 157	5785		11.50	9.83
		CH 161	5805		11.50	10.02
		CH 165	5825		11.50	10.23

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.41
		CH 46	5230		8.50	7.23
		CH 54	5270		8.50	6.18
		CH 62	5310		8.50	6.31
		CH 102	5510		8.50	7.28
		CH 110	5550		8.50	7.12
		CH 118	5590		8.50	6.72
		CH 126	5630		8.50	6.97
		CH 134	5670		8.50	7.73
		CH 151	5755		8.50	7.69
		CH 159	5795		8.50	7.78
	Ant6(core1)	CH 38	5190		8.50	7.46
		CH 46	5230		8.50	7.21
		CH 54	5270		8.50	7.00
		CH 62	5310		8.50	6.93
		CH 102	5510		8.50	6.77
		CH 110	5550		8.50	7.01
		CH 118	5590		8.50	7.10
		CH 126	5630		8.50	7.20

		CH 134	5670		8.50	7.49
		CH 151	5755		8.50	6.16
		CH 159	5795		8.50	6.41
	Sum	CH 38	5190	MCS0	11.50	10.45
		CH 46	5230		11.50	10.23
		CH 54	5270		11.50	9.62
		CH 62	5310		11.50	9.64
		CH 102	5510		11.50	10.04
		CH 110	5550		11.50	10.08
		CH 118	5590		11.50	9.92
		CH 126	5630		11.50	10.10
		CH 134	5670		11.50	10.62
		CH 151	5755		11.50	10.00
		CH 159	5795		11.50	10.16
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	8.50	7.14
		CH 58	5290		8.50	6.57
		CH 106	5530		8.50	7.32
		CH 122	5610		8.50	7.01
		CH 155	5775		8.50	7.57
	Ant6(core1)	CH 42	5210		8.50	7.30
		CH 58	5290		8.50	7.08
		CH 106	5530		8.50	7.05
		CH 122	5610		8.50	7.37
		CH 155	5775		8.50	6.56
	Sum	CH 42	5210	MCS0	11.50	10.23
		CH 58	5290		11.50	9.84
		CH 106	5530		11.50	10.20
		CH 122	5610		11.50	10.20
		CH 155	5775		11.50	10.10
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 160M	Ant5(core0)	CH 50	5250	MCS0	8.50	7.76
		CH 114	5570		8.50	7.82
	Ant6(core1)	CH 50	5250		8.50	7.25
		CH 114	5570		8.50	7.16
	Sum	CH 50	5250	MCS0	11.50	10.52
		CH 114	5570		11.50	10.51

Table 119: 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)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	11.50	9.81
		CH 40	5200		17.00	**15.96**
		CH 44	5220		17.00	**15.90**
		CH 48	5240		17.00	**15.81**
		CH 52	5260		17.00	**15.53**
		CH 56	5280		17.00	**16.03**
		CH 60	5300		17.00	**15.92**
		CH 64	5320		11.50	8.86
		CH 100	5500		11.50	10.18
		CH 104	5520		17.00	**16.30**
		CH 108	5540		17.00	16.23
		CH 112	5560		17.00	16.22
		CH 116	5580		17.00	**16.14**
		CH 120	5600		17.00	16.17
		CH 124	5620		17.00	16.28
		CH 128	5640		17.00	16.36
		CH 132	5660		17.00	16.37
		CH 136	5680		17.00	**16.40**
		CH 140	5700		10.50	9.10
		CH 149	5745		11.50	**9.39**
		CH 153	5765		11.50	9.33
		CH 157	5785		11.50	9.31
		CH 161	5805		11.50	**9.41**
		CH 165	5825		11.50	**9.40**
	Ant6(core1)	CH 36	5180	6M	11.50	9.46
		CH 40	5200		16.50	**15.57**
		CH 44	5220		16.50	**15.49**
		CH 48	5240		16.50	**15.30**
		CH 52	5260		16.50	**15.28**
		CH 56	5280		16.50	**15.28**
		CH 60	5300		16.50	**15.33**
		CH 64	5320		11.50	8.93
		CH 100	5500		11.50	8.70
		CH 104	5520		16.50	14.86
		CH 108	5540		16.50	15.01
		CH 112	5560		16.50	15.08
		CH 116	5580		16.50	**15.39**
		CH 120	5600		16.50	15.28
		CH 124	5620		16.50	15.33
		CH 128	5640		16.50	15.38
		CH 132	5660		16.50	**15.50**
		CH 136	5680		16.50	**15.52**
		CH 140	5700		10.50	8.52
		CH 149	5745		11.50	8.35
		CH 153	5765		11.50	8.61

		CH 157	5785		11.50	**8.82**
		CH 161	5805		11.50	**9.09**
		CH 165	5825		11.50	**9.24**
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.08
		CH 40	5200		17.00	15.38
		CH 44	5220		17.00	15.32
		CH 48	5240		17.00	15.21
		CH 52	5260		17.00	15.01
		CH 56	5280		17.00	14.85
		CH 60	5300		17.00	14.72
		CH 64	5320		11.50	9.74
		CH 100	5500		11.50	10.36
		CH 104	5520		17.00	15.76
		CH 108	5540		17.00	15.70
		CH 112	5560		17.00	15.68
		CH 116	5580		17.00	15.57
		CH 120	5600		17.00	15.62
		CH 124	5620		17.00	15.67
		CH 128	5640		17.00	15.80
		CH 132	5660		17.00	15.74
		CH 136	5680		17.00	15.79
		CH 140	5700		10.50	9.50
		CH 149	5745		11.50	9.64
		CH 153	5765		11.50	9.57
		CH 157	5785		11.50	9.48
		CH 161	5805		11.50	9.63
		CH 165	5825		11.50	9.75
	Ant6(core1)	CH 36	5180	MCS0	11.5	9.74
		CH 40	5200		16.5	14.46
		CH 44	5220		16.5	14.32
		CH 48	5240		16.5	14.17
		CH 52	5260		16.5	14.09
		CH 56	5280		16.5	14.15
		CH 60	5300		16.5	14.20
		CH 64	5320		11.5	9.97
		CH 100	5500		11.5	9.30
		CH 104	5520		16.5	14.30
		CH 108	5540		16.5	14.38
		CH 112	5560		16.5	14.53
		CH 116	5580		16.5	14.61
		CH 120	5600		16.5	14.75
		CH 124	5620		16.5	14.74
		CH 128	5640		16.5	14.81
		CH 132	5660		16.5	14.94

		CH 136	5680		16.5	14.90
		CH 140	5700		10.5	9.04
		CH 149	5745		11.5	9.15
		CH 153	5765		11.5	9.14
		CH 157	5785		11.5	9.29
		CH 161	5805		11.5	9.49
		CH 165	5825		11.5	9.74
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.51
		CH 46	5230		16.50	14.81
		CH 54	5270		16.50	14.37
		CH 62	5310		9.50	7.75
		CH 102	5510		9.50	8.53
		CH 110	5550		16.50	14.84
		CH 118	5590		16.50	14.64
		CH 126	5630		16.50	14.81
		CH 134	5670		9.50	8.54
		CH 151	5755		11.50	9.83
		CH 159	5795		11.50	9.85
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.32
		CH 46	5230		16.00	14.25
		CH 54	5270		16.00	14.04
		CH 62	5310		9.50	8.50
		CH 102	5510		9.50	7.42
		CH 110	5550		16.00	13.80
		CH 118	5590		16.00	14.03
		CH 126	5630		16.00	14.21
		CH 134	5670		9.50	7.63
		CH 151	5755		11.50	9.29
		CH 159	5795		11.50	9.63
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.02
		CH 40	5200		17.00	15.26
		CH 44	5220		17.00	15.25
		CH 48	5240		17.00	15.12
		CH 52	5260		17.00	14.89
		CH 56	5280		17.00	14.74
		CH 60	5300		17.00	14.64
		CH 64	5320		11.50	9.66
		CH 100	5500		11.50	10.32
		CH 104	5520		17.00	15.63
		CH 108	5540		17.00	15.56
		CH 112	5560		17.00	15.52
		CH 116	5580		17.00	15.38

		CH 120	5600		17.00	15.47
		CH 124	5620		17.00	15.49
		CH 128	5640		17.00	15.53
		CH 132	5660		17.00	15.39
		CH 136	5680		17.00	15.42
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.56
		CH 153	5765		11.50	9.55
		CH 157	5785		11.50	9.58
		CH 161	5805		11.50	9.53
		CH 165	5825		11.50	9.62
	Ant6(core1)	CH 36	5180	MCS0	11.50	9.95
		CH 40	5200		16.50	14.52
		CH 44	5220		16.50	14.37
		CH 48	5240		16.50	14.23
		CH 52	5260		16.50	14.13
		CH 56	5280		16.50	14.10
		CH 60	5300		16.50	14.11
		CH 64	5320		11.50	9.99
		CH 100	5500		11.50	9.76
		CH 104	5520		16.50	14.73
		CH 108	5540		16.50	14.81
		CH 112	5560		16.50	14.91
		CH 116	5580		16.50	15.04
		CH 120	5600		16.50	15.14
		CH 124	5620		16.50	15.19
		CH 128	5640		16.50	15.24
		CH 132	5660		16.50	15.32
		CH 136	5680		16.50	15.28
		CH 140	5700		10.50	9.29
		CH 149	5745		11.50	8.93
		CH 153	5765		11.50	8.99
		CH 157	5785		11.50	9.06
		CH 161	5805		11.50	9.29
		CH 165	5825		11.50	9.52

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.20
		CH 46	5230		16.50	14.56
		CH 54	5270		16.50	14.27
		CH 62	5310		9.50	7.78
		CH 102	5510		9.50	8.21
		CH 110	5550		16.50	14.61
		CH 118	5590		16.50	14.54
		CH 126	5630		16.50	14.65
		CH 134	5670		9.50	8.15

		CH 151	5755		11.50	9.60
		CH 159	5795		11.50	9.73
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.33
		CH 46	5230		16.00	14.18
		CH 54	5270		16.00	13.90
		CH 62	5310		9.50	8.35
		CH 102	5510		9.50	7.67
		CH 110	5550		16.00	14.08
		CH 118	5590		16.00	14.29
		CH 126	5630		16.00	14.46
		CH 134	5670		9.50	7.93
		CH 151	5755		11.50	9.07
		CH 159	5795		11.50	9.38
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	7.99
		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.05
		CH 122	5610		9.50	7.93
		CH 155	5775		11.50	9.62
	Ant6(core1)	CH 42	5210	MCS0	9.50	8.12
		CH 58	5290		9.50	7.91
		CH 106	5530		9.50	8.04
		CH 122	5610		9.50	8.49
		CH 155	5775		11.50	9.47
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.64
		CH 114	5570		9.00	7.68
	Ant6(core1)	CH 50	5250	MCS0	8.50	6.84
		CH 114	5570		8.50	6.95

Table 120: Conducted power measurement results of WiFi 5G SISO(MCC of FCC countries,Full Power)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD	Ant5(core0)	CH 36	5180	6M	11.50	10.12
		CH 40	5200		17.00	15.32
		CH 44	5220		17.00	15.55
		CH 48	5240		17.00	15.47
		CH 52	5260		17.00	15.26
		CH 56	5280		17.00	15.09
		CH 60	5300		17.00	15.05
		CH 64	5320		11.50	9.93
		CH 100	5500		11.50	10.83
		CH 104	5520		17.00	16.02
		CH 108	5540		17.00	15.74
		CH 112	5560		17.00	15.66
		CH 116	5580		17.00	15.78
		CH 120	5600		17.00	16.01
		CH 124	5620		17.00	16.07
		CH 128	5640		17.00	16.03
		CH 132	5660		17.00	15.86
		CH 136	5680		17.00	15.87
		CH 140	5700		10.50	9.71
		CH 149	5745		11.50	9.98
		CH 153	5765		11.50	9.93
		CH 157	5785		11.50	9.82
		CH 161	5805		11.50	9.88
		CH 165	5825		11.50	9.93
	Ant6(core1)	CH 36	5180		11.50	9.42
		CH 40	5200		16.50	14.72
		CH 44	5220		16.50	14.65
		CH 48	5240		16.50	14.50
		CH 52	5260		16.50	14.40
		CH 56	5280		16.50	14.38
		CH 60	5300		16.50	14.40
		CH 64	5320		11.50	9.78
		CH 100	5500		11.50	9.80
		CH 104	5520		16.50	15.34
		CH 108	5540		16.50	15.34
		CH 112	5560		16.50	15.42
		CH 116	5580		16.50	15.36
		CH 120	5600		16.50	15.44
		CH 124	5620		16.50	15.50
		CH 128	5640		16.50	15.57
		CH 132	5660		16.50	15.68
		CH 136	5680		16.50	15.73
		CH 140	5700		10.50	9.47
		CH 149	5745		11.50	9.24

		CH 153	5765		11.50	9.32
		CH 157	5785		11.50	9.42
		CH 161	5805		11.50	9.48
		CH 165	5825		11.50	9.59
	Sum	CH 36	5180	6M	14.5	12.79
		CH 40	5200		19.8	18.04
		CH 44	5220		19.8	18.13
		CH 48	5240		19.8	18.02
		CH 52	5260		19.8	17.86
		CH 56	5280		19.8	17.76
		CH 60	5300		19.8	17.75
		CH 64	5320		14.5	12.87
		CH 100	5500		14.5	13.36
		CH 104	5520		19.8	18.70
		CH 108	5540		19.8	18.55
		CH 112	5560		19.8	18.55
		CH 116	5580		19.8	18.59
		CH 120	5600		19.8	18.74
		CH 124	5620		19.8	18.80
		CH 128	5640		19.8	18.82
		CH 132	5660		19.8	18.78
		CH 136	5680		19.8	18.81
		CH 140	5700		13.5	12.60
		CH 149	5745		14.5	12.64
		CH 153	5765		14.5	12.65
		CH 157	5785		14.5	12.63
		CH 161	5805		14.5	12.69
		CH 165	5825		14.5	12.77
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.27
		CH 40	5200		17.00	15.47
		CH 44	5220		17.00	15.43
		CH 48	5240		17.00	15.37
		CH 52	5260		17.00	15.20
		CH 56	5280		17.00	15.05
		CH 60	5300		17.00	14.96
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.69
		CH 104	5520		17.00	15.89
		CH 108	5540		17.00	15.62
		CH 112	5560		17.00	15.56
		CH 116	5580		17.00	15.68
		CH 120	5600		17.00	15.87
		CH 124	5620		17.00	15.92
		CH 128	5640		17.00	15.92
		CH 132	5660		17.00	15.69
		CH 136	5680		17.00	15.74

		CH 140	5700		10.50	9.48
		CH 149	5745		11.50	9.76
		CH 153	5765		11.50	9.75
		CH 157	5785		11.50	9.92
		CH 161	5805		11.50	9.98
		CH 165	5825		11.50	9.87
	Ant6(core1)	CH 36	5180		11.5	9.48
		CH 40	5200		16.5	14.72
		CH 44	5220		16.5	14.58
		CH 48	5240		16.5	14.41
		CH 52	5260		16.5	14.37
		CH 56	5280		16.5	14.31
		CH 60	5300		16.5	14.33
		CH 64	5320		11.5	9.63
		CH 100	5500		11.5	9.68
		CH 104	5520		16.5	15.29
		CH 108	5540		16.5	15.29
		CH 112	5560		16.5	15.36
		CH 116	5580		16.5	15.37
		CH 120	5600		16.5	15.34
		CH 124	5620		16.5	15.44
		CH 128	5640		16.5	15.51
		CH 132	5660		16.5	15.65
		CH 136	5680		16.5	15.70
		CH 140	5700		10.5	9.33
		CH 149	5745		11.5	9.15
		CH 153	5765		11.5	9.19
		CH 157	5785		11.5	9.30
		CH 161	5805		11.5	9.43
		CH 165	5825		11.5	9.51
	Sum	CH 36	5180	MCS0	14.5	12.90
		CH 40	5200		19.8	18.12
		CH 44	5220		19.8	18.04
		CH 48	5240		19.8	17.93
		CH 52	5260		19.8	17.82
		CH 56	5280		19.8	17.71
		CH 60	5300		19.8	17.67
		CH 64	5320		14.5	12.69
		CH 100	5500		14.5	13.22
		CH 104	5520		19.8	18.61
		CH 108	5540		19.8	18.47
		CH 112	5560		19.8	18.47
		CH 116	5580		19.8	18.54
		CH 120	5600		19.8	18.62
		CH 124	5620		19.8	18.70
		CH 128	5640		19.8	18.73

		CH 132	5660		19.8	18.68
		CH 136	5680		19.8	18.73
		CH 140	5700		13.5	12.42
		CH 149	5745		14.5	12.48
		CH 153	5765		14.5	12.49
		CH 157	5785		14.5	12.63
		CH 161	5805		14.5	12.72
		CH 165	5825		14.5	12.70
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		16.50	14.84
		CH 54	5270		16.50	14.41
		CH 62	5310		9.50	7.76
		CH 102	5510		9.50	8.72
		CH 110	5550		16.50	14.68
		CH 118	5590		16.50	14.85
		CH 126	5630		16.50	15.02
		CH 134	5670		9.50	8.31
		CH 151	5755		11.50	9.91
		CH 159	5795		11.50	9.81
	Ant6(core1)	CH 38	5190		9.50	7.95
		CH 46	5230		16.00	14.29
		CH 54	5270		16.00	14.04
		CH 62	5310		9.50	7.84
		CH 102	5510		9.50	7.74
		CH 110	5550		16.00	14.51
		CH 118	5590		16.00	14.52
		CH 126	5630		16.00	14.51
		CH 134	5670		9.50	7.95
		CH 151	5755		11.50	9.25
		CH 159	5795		11.50	9.43
	Sum	CH 38	5190	MCS0	12.5	11.11
		CH 46	5230		19.3	17.58
		CH 54	5270		19.3	17.24
		CH 62	5310		12.5	10.81
		CH 102	5510		12.5	11.27
		CH 110	5550		19.3	17.61
		CH 118	5590		19.3	17.70
		CH 126	5630		19.3	17.78
		CH 134	5670		12.5	11.14
		CH 151	5755		14.5	12.60
		CH 159	5795		14.5	12.63
Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
	Ant5(core0)	CH 36	5180		11.50	9.63
		CH 40	5200		17.00	15.52

802.11ac MIMO 20M		CH 44	5220	MCS0	17.00	15.42
		CH 48	5240		17.00	15.33
		CH 52	5260		17.00	15.08
		CH 56	5280		17.00	15.02
		CH 60	5300		17.00	15.06
		CH 64	5320		11.50	9.65
		CH 100	5500		11.50	10.28
		CH 104	5520		17.00	15.90
		CH 108	5540		17.00	15.65
		CH 112	5560		17.00	15.60
		CH 116	5580		17.00	15.94
		CH 120	5600		17.00	15.89
		CH 124	5620		17.00	15.91
		CH 128	5640		17.00	15.88
		CH 132	5660		17.00	15.73
		CH 136	5680		17.00	15.69
		CH 140	5700		10.50	9.54
		CH 149	5745		11.50	9.74
		CH 153	5765		11.50	9.87
		CH 157	5785		11.50	9.84
		CH 161	5805		11.50	9.47
		CH 165	5825		11.50	9.61
	Ant6(core1)	CH 36	5180		11.50	9.41
		CH 40	5200		16.50	14.60
		CH 44	5220		16.50	14.48
		CH 48	5240		16.50	14.35
		CH 52	5260		16.50	14.27
		CH 56	5280		16.50	14.24
		CH 60	5300		16.50	14.26
		CH 64	5320		11.50	9.56
		CH 100	5500		11.50	9.62
		CH 104	5520		16.50	15.18
		CH 108	5540		16.50	15.23
		CH 112	5560		16.50	15.25
		CH 116	5580		16.50	15.28
		CH 120	5600		16.50	15.33
		CH 124	5620		16.50	15.37
		CH 128	5640		16.50	15.55
		CH 132	5660		16.50	15.58
		CH 136	5680		16.50	15.61
		CH 140	5700		10.50	9.35
		CH 149	5745		11.50	9.07
		CH 153	5765		11.50	9.13
		CH 157	5785		11.50	9.28
		CH 161	5805		11.50	9.38
		CH 165	5825		11.50	9.45

	Sum	CH 36	5180	MCS0	14.5	12.53
		CH 40	5200		19.8	18.09
		CH 44	5220		19.8	17.99
		CH 48	5240		19.8	17.88
		CH 52	5260		19.8	17.70
		CH 56	5280		19.8	17.66
		CH 60	5300		19.8	17.69
		CH 64	5320		14.5	12.62
		CH 100	5500		14.5	12.97
		CH 104	5520		19.8	18.57
		CH 108	5540		19.8	18.46
		CH 112	5560		19.8	18.44
		CH 116	5580		19.8	18.63
		CH 120	5600		19.8	18.63
		CH 124	5620		19.8	18.66
		CH 128	5640		19.8	18.73
		CH 132	5660		19.8	18.67
		CH 136	5680		19.8	18.66
		CH 140	5700		13.5	12.46
		CH 149	5745		14.5	12.43
		CH 153	5765		14.5	12.53
		CH 157	5785		14.5	12.58
		CH 161	5805		14.5	12.44
		CH 165	5825		14.5	12.54
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.43
		CH 46	5230		16.50	14.78
		CH 54	5270		16.50	14.49
		CH 62	5310		9.50	7.91
		CH 102	5510		9.50	8.56
		CH 110	5550		16.50	14.66
		CH 118	5590		16.50	14.85
		CH 126	5630		16.50	14.97
		CH 134	5670		9.50	8.35
		CH 151	5755		11.50	9.61
		CH 159	5795		11.50	9.63
	Ant6(core1)	CH 38	5190		9.50	8.01
		CH 46	5230		16.00	14.23
		CH 54	5270		16.00	14.05
		CH 62	5310		9.50	7.99
		CH 102	5510		9.50	7.67
		CH 110	5550		16.00	14.45
		CH 118	5590		16.00	14.47
		CH 126	5630		16.00	14.60
		CH 134	5670		9.50	7.89
		CH 151	5755		11.50	9.18

		CH 159	5795		11.50	9.36
	Sum	CH 38	5190	MCS0	12.5	11.24
		CH 46	5230		19.3	17.52
		CH 54	5270		19.3	17.29
		CH 62	5310		12.5	10.96
		CH 102	5510		12.5	11.15
		CH 110	5550		19.3	17.57
		CH 118	5590		19.3	17.67
		CH 126	5630		19.3	17.80
		CH 134	5670		12.5	11.14
		CH 151	5755		14.5	12.41
		CH 159	5795		14.5	12.51
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	7.83
		CH 58	5290		9.50	7.62
		CH 106	5530		9.50	8.16
		CH 122	5610		9.50	8.08
		CH 155	5775		11.50	9.74
	Ant6(core1)	CH 42	5210		9.50	8.10
		CH 58	5290		9.50	7.75
		CH 106	5530		9.50	7.71
		CH 122	5610		9.50	8.26
		CH 155	5775		11.50	8.76
	Sum	CH 42	5210	MCS0	12.5	10.98
		CH 58	5290		12.5	10.70
		CH 106	5530		12.5	10.95
		CH 122	5610		12.5	11.18
		CH 155	5775		14.5	12.29
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 160	Ant5(core0)	CH 50	5250	MCS0	9.00	7.76
		CH 114	5570		9.00	7.99
	Ant6(core1)	CH 50	5250		8.50	7.22
		CH 114	5570		8.50	7.62
	Sum	CH 50	5250	MCS0	11.8	10.51
		CH 114	5570		11.8	10.82

Table 121: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of FCC countries,Full Power)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	11.50	10.04
		CH 40	5200		13.50	12.03
		CH 52	5260		13.50	11.90
		CH 60	5300		13.50	12.07
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.51
		CH 104	5520		13.50	12.55
		CH 120	5600		13.50	12.42
		CH 136	5680		13.50	13.15
		CH 140	5700		10.50	9.57
		CH 149	5745		11.50	9.68
		CH 157	5785		11.50	9.94
		CH 165	5825		11.50	10.22
	Ant6(core1)	CH 36	5180	6M	11.50	9.77
		CH 40	5200		13.50	11.58
		CH 52	5260		13.50	12.06
		CH 60	5300		13.50	12.21
		CH 64	5320		11.50	9.85
		CH 100	5500		11.50	9.83
		CH 104	5520		13.50	11.64
		CH 120	5600		13.50	11.77
		CH 136	5680		13.50	11.96
		CH 140	5700		10.50	9.22
		CH 149	5745		11.50	9.67
		CH 157	5785		11.50	9.80
		CH 165	5825		11.50	9.86
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.06
		CH 40	5200		13.50	11.42
		CH 52	5260		13.50	10.92
		CH 60	5300		13.50	11.00
		CH 64	5320		11.50	9.44
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.91
		CH 120	5600		13.50	11.95
		CH 136	5680		13.50	12.61
		CH 140	5700		10.50	9.48
		CH 149	5745		11.50	9.63
		CH 157	5785		11.50	9.91
		CH 165	5825		11.50	10.19
	Ant6(core1)	CH 36	5180	MCS0	11.50	9.72
		CH 40	5200		13.50	11.05

		CH 52	5260		13.50	10.97
		CH 60	5300		13.50	11.10
		CH 64	5320		11.50	9.70
		CH 100	5500		11.50	9.61
		CH 104	5520		13.50	11.05
		CH 120	5600		13.50	11.13
		CH 136	5680		13.50	11.48
		CH 140	5700		10.50	9.20
		CH 149	5745		11.50	9.49
		CH 157	5785		11.50	9.65
		CH 165	5825		11.50	9.73
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.44
		CH 54	5270		13.50	11.20
		CH 62	5310		9.50	7.77
		CH 102	5510		9.50	8.51
		CH 110	5550		13.50	11.83
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.78
		CH 159	5795		11.50	10.08
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.53
		CH 54	5270		13.50	11.56
		CH 62	5310		9.50	8.26
		CH 102	5510		9.50	7.43
		CH 110	5550		13.50	11.75
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.83
		CH 134	5670		9.50	7.68
		CH 151	5755		11.50	9.69
		CH 159	5795		11.50	9.86
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	9.97
		CH 40	5200		13.50	11.50
		CH 52	5260		13.50	11.08
		CH 60	5300		13.50	11.11
		CH 64	5320		11.50	9.54
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.87
		CH 120	5600		13.50	11.88

		CH 136	5680		13.50	12.68
		CH 140	5700		10.50	9.56
		CH 149	5745		11.50	9.73
		CH 157	5785		11.50	9.77
		CH 165	5825		11.50	10.09
	Ant6(core1)	CH 36	5180	MCS0	11.50	9.75
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	11.06
		CH 60	5300		13.50	11.05
		CH 64	5320		11.50	9.68
		CH 100	5500		11.50	9.74
		CH 104	5520		13.50	11.11
		CH 120	5600		13.50	11.15
		CH 136	5680		13.50	11.50
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.59
		CH 157	5785		11.50	9.70
		CH 165	5825		11.50	9.82
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		13.50	11.49
		CH 54	5270		13.50	11.06
		CH 62	5310		9.50	7.45
		CH 102	5510		9.50	8.30
		CH 110	5550		13.50	11.72
		CH 118	5590		13.50	11.73
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.87
		CH 159	5795		11.50	10.00
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.22
		CH 46	5230		13.50	11.51
		CH 54	5270		13.50	11.58
		CH 62	5310		9.50	8.24
		CH 102	5510		9.50	7.62
		CH 110	5550		13.50	11.79
		CH 118	5590		13.50	11.77
		CH 126	5630		13.50	11.82
		CH 134	5670		9.50	7.76
		CH 151	5755		11.50	9.73
		CH 159	5795		11.50	9.87
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
	Ant5(core0)	CH 42	5210	MCS0	9.50	8.03

802.11ac SISO 80M		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.45
		CH 122	5610		9.50	8.48
		CH 155	5775		11.50	9.99
	Ant6(core1)	CH 42	5210	MCS0	9.50	8.16
		CH 58	5290		9.50	8.35
		CH 106	5530		9.50	7.80
		CH 122	5610		9.50	7.87
		CH 155	5775		11.50	9.92
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm) For Data Rates
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.25
		CH 114	5570		9.00	8.15
	Ant6(core1)	CH 50	5250	MCS0	9.50	6.84
		CH 114	5570		9.50	6.54

Table 122: Conducted power measurement results of WiFi 5G SISO(MCC of CE countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD 20M	Ant5(core0)	CH 36	5180	6M	11.50	10.04
		CH 40	5200		13.50	12.03
		CH 52	5260		13.50	11.90
		CH 60	5300		13.50	12.07
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.51
		CH 104	5520		13.50	12.55
		CH 120	5600		13.50	12.42
		CH 136	5680		13.50	13.15
		CH 140	5700		10.50	9.57
		CH 149	5745		11.50	9.68
		CH 157	5785		11.50	9.94
		CH 165	5825		11.50	10.22
	Ant6(core1)	CH 36	5180		11.50	9.77
		CH 40	5200		13.50	11.58
		CH 52	5260		13.50	12.06
		CH 60	5300		13.50	12.21
		CH 64	5320		11.50	9.85
		CH 100	5500		11.50	9.83
		CH 104	5520		13.50	11.64
		CH 120	5600		13.50	11.77
		CH 136	5680		13.50	11.96
		CH 140	5700		10.50	9.22
		CH 149	5745		11.50	9.67
		CH 157	5785		11.50	9.80
		CH 165	5825		11.50	9.86
	Sum	CH 36	5180	6M	14.50	12.92
		CH 40	5200		16.50	14.82
		CH 52	5260		16.50	14.99
		CH 60	5300		16.50	15.15
		CH 64	5320		14.50	12.80
		CH 100	5500		14.50	13.19
		CH 104	5520		16.50	15.13
		CH 120	5600		16.50	15.12
		CH 136	5680		16.50	15.61
		CH 140	5700		13.50	12.41
		CH 149	5745		14.50	12.69
		CH 157	5785		14.50	12.88
		CH 165	5825		14.50	13.05

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.06
		CH 40	5200		13.50	11.42
		CH 52	5260		13.50	10.92

		CH 60	5300		13.50	11.00
		CH 64	5320		11.50	9.44
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.91
		CH 120	5600		13.50	11.95
		CH 136	5680		13.50	12.61
		CH 140	5700		10.50	9.48
		CH 149	5745		11.50	9.63
		CH 157	5785		11.50	9.91
		CH 165	5825		11.50	10.19
	Ant6(core1)	CH 36	5180		11.50	9.72
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	10.97
		CH 60	5300		13.50	11.10
		CH 64	5320		11.50	9.70
		CH 100	5500		11.50	9.61
		CH 104	5520		13.50	11.05
		CH 120	5600		13.50	11.13
		CH 136	5680		13.50	11.48
		CH 140	5700		10.50	9.20
		CH 149	5745		11.50	9.49
		CH 157	5785		11.50	9.65
		CH 165	5825		11.50	9.73
	Sum	CH 36	5180	MCS0	14.50	12.90
		CH 40	5200		16.50	14.25
		CH 52	5260		16.50	13.96
		CH 60	5300		16.50	14.06
		CH 64	5320		14.50	12.58
		CH 100	5500		14.50	13.04
		CH 104	5520		16.50	14.51
		CH 120	5600		16.50	14.57
		CH 136	5680		16.50	15.09
		CH 140	5700		13.50	12.35
		CH 149	5745		14.50	12.57
		CH 157	5785		14.50	12.79
		CH 165	5825		14.50	12.98
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.44
		CH 54	5270		13.50	11.20
		CH 62	5310		9.50	7.77
		CH 102	5510		9.50	8.51
		CH 110	5550		13.50	11.83
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47

		CH 151	5755		11.50	9.78
		CH 159	5795		11.50	10.08
	Ant6(core1)	CH 38	5190		9.50	8.38
		CH 46	5230		13.50	11.53
		CH 54	5270		13.50	11.56
		CH 62	5310		9.50	8.26
		CH 102	5510		9.50	7.43
		CH 110	5550		13.50	11.75
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.83
		CH 134	5670		9.50	7.68
		CH 151	5755		11.50	9.69
		CH 159	5795		11.50	9.86
	Sum	CH 38	5190	MCS0	12.50	11.39
		CH 46	5230		16.50	14.50
		CH 54	5270		16.50	14.39
		CH 62	5310		12.50	11.03
		CH 102	5510		12.50	11.01
		CH 110	5550		16.50	14.80
		CH 118	5590		16.50	14.79
		CH 126	5630		16.50	14.80
		CH 134	5670		12.50	11.10
		CH 151	5755		14.50	12.75
		CH 159	5795		14.50	12.98

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	9.97
		CH 40	5200		13.50	11.50
		CH 52	5260		13.50	11.08
		CH 60	5300		13.50	11.11
		CH 64	5320		11.50	9.54
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.87
		CH 120	5600		13.50	11.88
		CH 136	5680		13.50	12.68
		CH 140	5700		10.50	9.56
		CH 149	5745		11.50	9.73
		CH 157	5785		11.50	9.77
		CH 165	5825		11.50	10.09
	Ant6(core1)	CH 36	5180		11.50	9.75
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	11.06
		CH 60	5300		13.50	11.05
		CH 64	5320		11.50	9.68
		CH 100	5500		11.50	9.74
		CH 104	5520		13.50	11.11
		CH 120	5600		13.50	11.15

		CH 136	5680		13.50	11.50
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.59
		CH 157	5785		11.50	9.70
		CH 165	5825		11.50	9.82
	Sum	CH 36	5180	MCS0	14.50	12.87
		CH 40	5200		16.50	14.29
		CH 52	5260		16.50	14.08
		CH 60	5300		16.50	14.09
		CH 64	5320		14.50	12.62
		CH 100	5500		14.50	13.10
		CH 104	5520		16.50	14.52
		CH 120	5600		16.50	14.54
		CH 136	5680		16.50	15.14
		CH 140	5700		13.50	12.42
		CH 149	5745		14.50	12.67
		CH 157	5785		14.50	12.75
		CH 165	5825		14.50	12.97

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		13.50	11.49
		CH 54	5270		13.50	11.06
		CH 62	5310		9.50	7.45
		CH 102	5510		9.50	8.30
		CH 110	5550		13.50	11.72
		CH 118	5590		13.50	11.73
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.87
		CH 159	5795		11.50	10.00
	Ant6(core1)	CH 38	5190		9.50	8.22
		CH 46	5230		13.50	11.51
		CH 54	5270		13.50	11.58
		CH 62	5310		9.50	8.24
		CH 102	5510		9.50	7.62
		CH 110	5550		13.50	11.79
		CH 118	5590		13.50	11.77
		CH 126	5630		13.50	11.82
		CH 134	5670		9.50	7.76
		CH 151	5755		11.50	9.73
		CH 159	5795		11.50	9.87
	Sum	CH 38	5190	MCS0	12.50	11.24
		CH 46	5230		16.50	14.51
		CH 54	5270		16.50	14.34
		CH 62	5310		12.50	10.87

		CH 102	5510		12.50	10.98
		CH 110	5550		16.50	14.77
		CH 118	5590		16.50	14.76
		CH 126	5630		16.50	14.80
		CH 134	5670		12.50	11.14
		CH 151	5755		14.50	12.81
		CH 159	5795		14.50	12.95
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	8.03
		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.45
		CH 122	5610		9.50	8.48
		CH 155	5775		11.50	9.99
	Ant6(core1)	CH 42	5210		9.50	8.16
		CH 58	5290		9.50	8.35
		CH 106	5530		9.50	7.80
		CH 122	5610		9.50	7.87
		CH 155	5775		11.50	9.92
	Sum	CH 42	5210	MCS0	12.50	11.11
		CH 58	5290		12.50	10.85
		CH 106	5530		12.50	11.15
		CH 122	5610		12.50	11.20
		CH 155	5775		14.50	12.97
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.25
		CH 114	5570		9.00	8.15
	Ant6(core1)	CH 50	5250		9.50	6.84
		CH 114	5570		9.50	6.54
	Sum	CH 50	5250	MCS0	11.80	10.06
		CH 114	5570		11.80	10.43

Table 123: 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.

7.1.33 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	17.00	15.11	15.48	15.88
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	11CH	22CH	32CH
DH5	17.01	**16.07**	**15.33**	**15.65**
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	16CH	32CH
2-DH5	15.50	13.00	13.73	13.04
3-DH5	15.50	13.02	13.72	13.05
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	33CH	54CH	75CH
DH5	16.50	15.04	15.14	14.65
2-DH5	14.50	13.13	13.26	12.80
3-DH5	14.50	13.13	13.27	12.79
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	76CH	77CH	78CH
DH5	14.50	14.22	13.76	13.25
2-DH5	12.50	12.40	11.95	11.44
3-DH5	12.50	12.40	11.96	11.44

Table 124: Conducted power measurement results of BT(Power level A)

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	5CH	10CH
DH5	9.50	8.02	8.35	8.46
2-DH5	7.50	6.06	6.37	6.44
3-DH5	7.50	6.06	6.37	6.45
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	11CH	39CH	67CH
DH5	11.00	**9.17**	**9.71**	**9.04**
2-DH5	9.50	6.57	7.83	6.74
3-DH5	9.50	6.57	7.83	6.75
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	68CH	73CH	78CH
DH5	9.50	8.57	9.21	8.45
2-DH5	7.50	6.89	7.29	6.52
3-DH5	7.50	6.89	7.29	6.53

Table 125: Conducted power measurement results of BT(Power level B)

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	3CH	5CH
BLE	8.50	6.73	6.90	7.02
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	6CH	19CH	31CH
BLE	9.50	7.58	7.86	7.26
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	32CH	36CH	39CH
BLE	8.50	6.82	7.32	6.98

Table 126: Conducted power measurement results of BT BLE(Power level B).

Note:

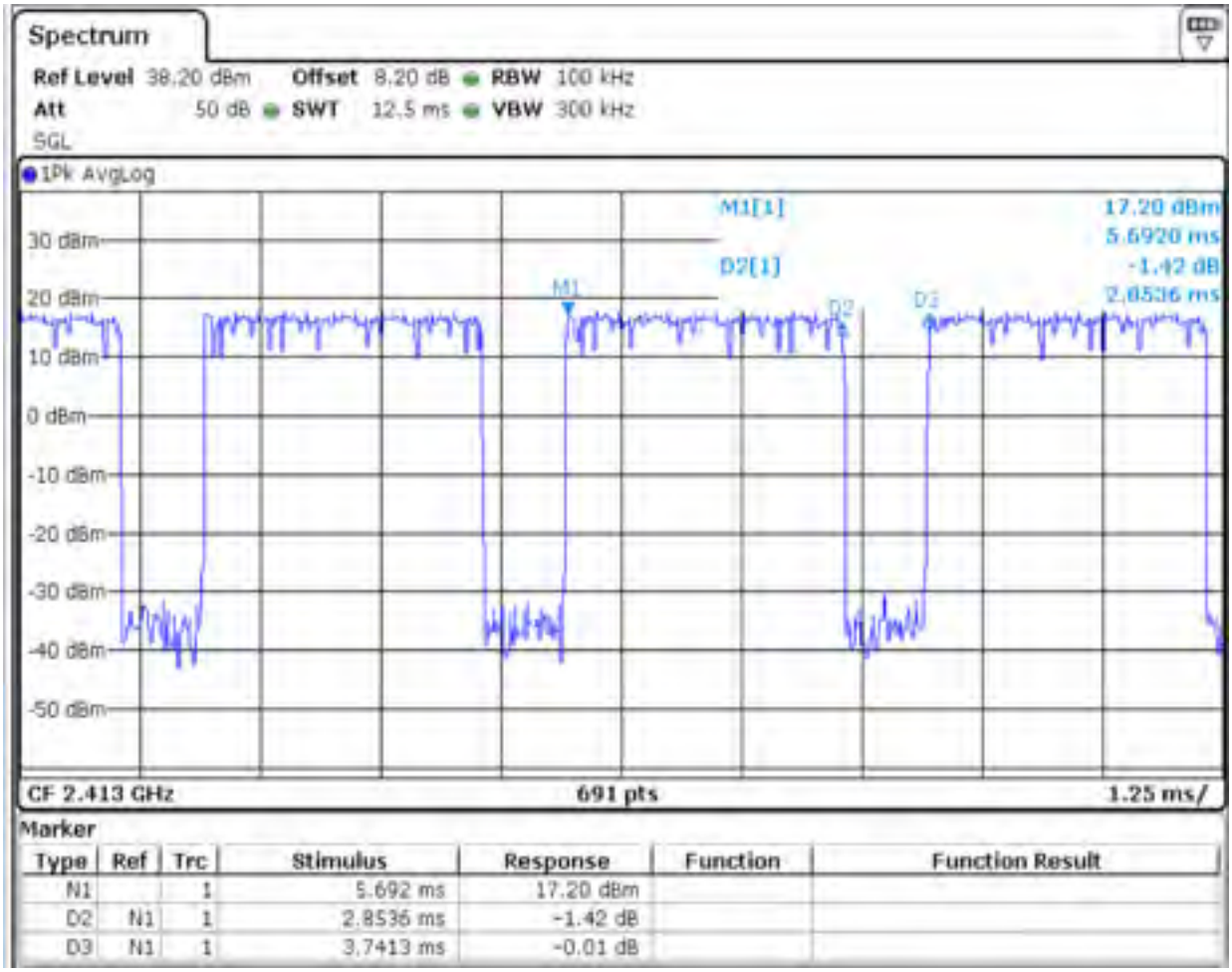
1)The conducted power of BT is measured with RMS detector.

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.

4) BT BLE does not support High power level A mode.

Figure: Bluetooth Transmission Plot



So the actural bluetooth duty cycle is calculated as below:

$$\text{Dutycycle} = pules\frac{width}{period} * 100\% = \frac{2.8536ms}{3.7413ms} * 100\% = 76\%$$

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) 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.

8) 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.

9) Per KDB648474 D04, a handset must be tested according to all required SAR test procedures, without the after-market accessory (additional batteries, battery cover and sleeve, etc.), to demonstrate compliance. For handsets with additional batteries, NFC and wireless charging battery covers or similar accessory (sleeve carrier, etc.), the highest reported SAR for each wireless technology (1xRTT, EVDO, WCDMA, GSM, Wi-Fi, etc.), frequency band, operating mode (different modes/configurations within each wireless technology) and applicable exposure condition (head, body-worn accessory, hotspot mode, etc.) without the accessory must be repeated with the specific accessory attached. In addition, for test cases where the measured SAR for a handset without the accessory is greater than 1.2 W/kg, these tests should be repeated with the additional batteries, NFC and wireless charging battery covers or similar accessory.

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 Results 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 report (report No.SYBH(Z-SAR) 20181114019001-2)										
Test data of ELE-L04										
Second Antenna										
Left cheek	190/836.6	GSM	**0.273**	0.138	-0.14	27.70	28.20	**0.306**	Battery 1#	Yes
Left tilt	190/836.6	GSM	0.252	0.120	0.04	27.70	28.20	0.283	Battery 1#	/
Right cheek	190/836.6	GSM	0.266	0.142	-0.01	27.70	28.20	0.298	Battery 1#	/
Right tilt	190/836.6	GSM	0.243	0.119	-0.07	27.70	28.20	0.273	Battery 1#	/
Left cheek	190/836.6	GSM	0.271	0.137	0.05	27.70	28.20	0.304	Battery 2#	/
Left cheek	128/824.2	GSM	0.205	0.103	-0.11	27.63	28.20	0.234	Battery 1#	/
Left cheek	251/848.8	GSM	0.239	0.120	-0.04	27.72	28.20	0.267	Battery 1#	/
Main Antenna										
Left cheek	190/836.6	GSM	0.089	0.059	0.03	33.86	34.00	0.092	Battery 1#	/
Left tilt	190/836.6	GSM	0.041	0.028	0.02	33.86	34.00	0.042	Battery 1#	/
Right cheek	190/836.6	GSM	**0.104**	0.082	0.15	33.86	34.00	**0.107**	Battery 1#	Yes
Right tilt	190/836.6	GSM	0.042	0.029	0.06	33.86	34.00	0.044	Battery 1#	/
Right cheek	190/836.6	GSM	0.100	0.080	-0.06	33.86	34.00	0.103	Battery 2#	/
Right cheek	128/824.2	GSM	0.100	0.080	-0.08	33.80	34.00	0.105	Battery 1#	/
Right cheek	251/848.8	GSM	0.082	0.065	0.05	33.96	34.00	0.083	Battery 1#	/
ELE-L29 test data at worst case of ELE-L04										
Second Antenna										
Left cheek	190/836.6	GSM	0.221	0.109	0.00	27.70	28.20	0.248	Battery 1#	/
Left cheek	190/836.6	GSM	0.198	0.099	-0.09	27.70	28.20	0.222	With SIM2	/
Main Antenna										
Right cheek	190/836.6	GSM	0.104	0.081	-0.18	33.86	34.00	0.107	Battery 1#	/
Right cheek	190/836.6	GSM	0.103	0.080	-0.13	33.86	34.00	0.106	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case										
Second Antenna										
Left cheek	190/836.6	GSM	0.223	0.112	0.12	27.70	28.20	0.250	Battery 2#	/
Main Antenna										
Right cheek	190/836.6	GSM	0.039	0.031	0.15	33.86	34.00	0.040	With SIM2	/

Table 127: 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 report (report No.SYBH(Z-SAR) 20181114019001-2)											
Test data of ELE-L04											
Second Antenna											
Front Side	15mm	190/836.6	GSM	0.043	0.030	-0.15	28.29	28.70	0.047	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.049	0.035	-0.10	28.29	28.70	0.054	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.047	0.033	-0.03	28.29	28.70	0.052	Battery 2#	/
Back Side	15mm	128/824.2	GSM	0.037	0.026	-0.08	28.11	28.70	0.042	Battery 1#	/
Back Side	15mm	251/848.8	GSM	0.044	0.031	-0.13	28.22	28.70	0.050	Battery 1#	/
Main Antenna											
Front Side	15mm	190/836.6	GSM	0.209	0.142	-0.07	33.86	34.00	0.216	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.291	0.209	-0.07	33.86	34.00	0.301	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.285	0.204	-0.05	33.86	34.00	0.294	Battery 2#	/
Back Side	15mm	128/824.2	GSM	**0.307**	0.222	-0.06	33.80	34.00	**0.321**	Battery 1#	Yes
Back Side	15mm	251/848.8	GSM	0.253	0.180	-0.05	33.96	34.00	0.255	Battery 1#	/
ELE-L29 test data at worst case of ELE-L04											
Second Antenna											
Back Side	15mm	190/836.6	GSM	**0.053**	0.037	-0.15	28.29	28.70	**0.058**	Battery 1#	Yes
Back Side	15mm	190/836.6	GSM	0.046	0.032	0.02	28.29	28.70	0.051	With SIM2	/
Main Antenna											
Back Side	15mm	128/824.2	GSM	0.274	0.199	-0.04	33.80	34.00	0.287	Battery 1#	/
Back Side	15mm	128/824.2	GSM	0.266	0.193	-0.02	33.80	34.00	0.279	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case											
Second Antenna											
Back Side	15mm	190/836.6	GSM	0.028	0.018	-0.05	28.29	28.70	0.030	Battery 1#	/
Main Antenna											
Back Side	15mm	128/824.2	GSM	0.103	0.082	-0.13	33.80	34.00	0.108	Battery 1#	/

Table 128: 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 report (report No.SYBH(Z-SAR) 20181114019001-2)											
Test data of ELE-L04											
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.110	0.060	-0.15	26.25	26.70	0.122	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.106	0.059	-0.16	26.25	26.70	0.118	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.066	0.044	-0.09	26.25	26.70	0.074	Battery 1#	/
Right Side	10mm	190/836.6	GPRS 2TS	0.010	0.007	-0.08	26.25	26.70	0.011	Battery 1#	/
Top Side	10mm	190/836.6	GPRS 2TS	0.074	0.035	0.15	26.25	26.70	0.082	Battery 1#	/
Front Side	10mm	190/836.6	GPRS 2TS	0.101	0.056	-0.11	26.25	26.70	0.112	Battery 2#	/
Front Side	10mm	128/824.2	GPRS 2TS	0.074	0.041	-0.16	26.18	26.70	0.084	Battery 1#	/
Front Side	10mm	251/848.8	GPRS 2TS	0.088	0.049	-0.03	26.18	26.70	0.100	Battery 1#	/
Main Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.302	0.197	-0.06	31.62	32.00	0.330	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.394	0.232	-0.06	31.62	32.00	0.430	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.312	0.160	-0.04	31.62	32.00	0.341	Battery 1#	/
Bottom Side	10mm	190/836.6	GPRS 2TS	0.261	0.161	-0.05	31.62	32.00	0.285	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.423	0.248	-0.04	31.62	32.00	0.462	Battery 2#	/
Back Side	10mm	128/824.2	GPRS 2TS	**0.481**	0.340	-0.10	31.52	32.00	**0.537**	Battery 2#	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.435	0.256	-0.09	31.72	32.00	0.464	Battery 2#	/
ELE-L29 test data at worst case of ELE-L04											
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.110	0.060	-0.16	26.25	26.70	0.122	Battery 1#	/
Front Side	10mm	190/836.6	GPRS 2TS	**0.115**	0.062	0.07	26.25	26.70	**0.128**	With SIM2	Yes
Main Antenna											
Back Side	10mm	128/824.2	GPRS 2TS	0.434	0.309	0.01	31.52	32.00	0.485	Battery 2#	/
Back Side	10mm	128/824.2	GPRS 2TS	0.454	0.269	0.01	31.52	32.00	0.507	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case											
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.081	0.049	-0.14	26.25	26.70	0.090	Battery 1#	/
Main Antenna											
Back Side	10mm	128/824.2	GPRS 2TS	0.126	0.100	-0.16	31.52	32.00	0.141	Battery 2#	/

Table 129: Hotspot SAR test results of GSM850

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

7.2.2 SAR measurement Results 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 report (report No.SYBH(Z-SAR) 20181114019001-2)										
Test data of ELE-L04										
Second Antenna										
Left cheek	661/1880	GSM	0.118	0.059	-0.02	26.24	27.00	0.141	Battery 1#	/
Left tilt	661/1880	GSM	0.162	0.079	-0.10	26.24	27.00	0.193	Battery 1#	/
Right cheek	661/1880	GSM	0.191	0.092	-0.02	26.24	27.00	0.228	Battery 1#	/
Right tilt	661/1880	GSM	0.224	0.109	-0.03	26.24	27.00	0.267	Battery 1#	/
Right tilt	661/1880	GSM	0.225	0.109	-0.07	26.24	27.00	0.268	Battery 2#	/
Right tilt	512/1850.2	GSM	0.249	0.121	-0.04	26.17	27.00	0.301	Battery 2#	/
Right tilt	810/1909.8	GSM	0.229	0.108	-0.05	26.09	27.00	0.282	Battery 2#	/
Main Antenna										
Left cheek	661/1880	GSM	0.063	0.041	-0.04	30.33	31.00	0.073	Battery 1#	/
Left tilt	661/1880	GSM	0.038	0.021	0.06	30.33	31.00	0.044	Battery 1#	/
Right cheek	661/1880	GSM	0.060	0.039	-0.10	30.33	31.00	0.070	Battery 1#	/
Right tilt	661/1880	GSM	0.035	0.021	-0.10	30.33	31.00	0.041	Battery 1#	/
Left cheek	661/1880	GSM	0.064	0.041	-0.10	30.33	31.00	0.074	Battery 2#	/
Left cheek	512/1850.2	GSM	0.051	0.033	0.09	30.32	31.00	0.060	Battery 2#	/
Left cheek	810/1909.8	GSM	0.069	0.045	0.17	30.14	31.00	0.084	Battery 2#	/
ELE-L29 test data at worst case of ELE-L04										
Second Antenna										
Right tilt	512/1850.2	GSM	0.238	0.115	-0.16	26.17	27.00	0.288	Battery 2#	/
Right tilt	512/1850.2	GSM	0.238	0.116	0.03	26.17	27.00	0.288	With SIM2	/
Main Antenna										
Left cheek	810/1909.8	GSM	0.067	0.043	0.02	30.14	31.00	0.081	Battery 2#	/
Left cheek	810/1909.8	GSM	**0.084**	0.054	0.05	30.14	31.00	**0.102**	With SIM2	Yes
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case										
Second Antenna										
Right tilt	512/1850.2	GSM	**0.318**	0.157	0.01	26.17	27.00	**0.385**	Battery 1#	Yes
Main Antenna										
Left cheek	810/1909.8	GSM	0.027	0.017	-0.13	30.14	31.00	0.033	With SIM2	/

Table 130: 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 report (report No.SYBH(Z-SAR) 20181114019001-2)											
Test data of ELE-L04											
Second Antenna											
Front Side	15mm	661/1880	GSM	0.015	0.009	-0.12	26.24	27.00	0.018	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.020	0.012	0.19	26.24	27.00	0.024	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.015	0.008	-0.12	26.24	27.00	0.018	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	0.025	0.015	0.02	26.17	27.00	0.031	Battery 1#	/
Back Side	15mm	810/1909.8	GSM	0.019	0.010	-0.07	26.09	27.00	0.023	Battery 1#	/
Main Antenna											
Front Side	15mm	661/1880	GSM	0.087	0.077	0.16	30.33	31.00	0.102	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.121	0.079	-0.07	30.33	31.00	0.141	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.114	0.069	0.10	30.33	31.00	0.133	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	0.101	0.062	0.11	30.32	31.00	0.118	Battery 1#	/
Back Side	15mm	810/1909.8	GSM	0.130	0.084	-0.11	30.14	31.00	0.158	Battery 1#	/
ELE-L29 test data at worst case of ELE-L04											
Second Antenna											
Back Side	15mm	512/1850.2	GSM	0.028	0.017	-0.17	26.17	27.00	0.034	Battery 1#	/
Back Side	15mm	512/1850.2	GSM	0.032	0.019	-0.13	26.17	27.00	0.039	With SIM2	/
Main Antenna											
Back Side	15mm	810/1909.8	GSM	**0.136**	0.087	0.01	30.14	31.00	**0.166**	Battery 1#	Yes
Back Side	15mm	810/1909.8	GSM	0.130	0.084	-0.07	30.14	31.00	0.158	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case											
Second Antenna											
Back Side	15mm	512/1850.2	GSM	**0.058**	0.041	-0.04	26.17	27.00	**0.070**	With SIM2	Yes
Main Antenna											
Back Side	15mm	810/1909.8	GSM	0.057	0.038	0.04	30.14	31.00	0.069	Battery 1#	/

Table 131: 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 report (report No.SYBH(Z-SAR) 20181114019001-2)											
Test data of ELE-L04											
Second Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.044	0.023	-0.07	24.24	25.00	0.052	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.059	0.032	-0.04	24.24	25.00	0.070	Battery 1#	/
Left Side	10mm	661/1880	GPRS 2TS	0.015	0.008	0.09	24.24	25.00	0.018	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.107	0.057	0.11	24.24	25.00	0.127	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.109	0.059	0.18	24.24	25.00	0.130	Battery 2#	/
Top Side	10mm	512/1850.2	GPRS 2TS	0.099	0.052	0.14	24.14	25.00	0.120	Battery 2#	/
Top Side	10mm	810/1909.8	GPRS 2TS	0.085	0.045	0.13	24.07	25.00	0.106	Battery 2#	/
Main Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.192	0.110	-0.10	28.19	29.00	0.231	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.247	0.146	-0.09	28.19	29.00	0.298	Battery 1#	/
Right Side	10mm	661/1880	GPRS 2TS	0.127	0.069	0.05	28.19	29.00	0.153	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.437	0.248	0.18	28.19	29.00	0.527	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.410	0.232	0.15	28.19	29.00	0.494	Battery 2#	/
Bottom Side	10mm	512/1850.2	GPRS 2TS	0.365	0.200	0.19	28.17	29.00	0.442	Battery 1#	/
Bottom Side	10mm	810/1909.8	GPRS 2TS	**0.473**	0.265	0.18	28.02	29.00	**0.593**	Battery 1#	Yes
ELE-L29 test data at worst case of ELE-L04											
Second Antenna											
Top Side	10mm	661/1880	GPRS 2TS	0.094	0.051	-0.19	24.24	25.00	0.112	With SIM2	/
Top Side	10mm	661/1880	GPRS 2TS	0.117	0.061	-0.01	24.24	25.00	0.139	Battery 2#	/
Main Antenna											
Bottom Side	10mm	810/1909.8	GPRS 2TS	0.315	0.175	0.08	28.02	29.00	0.395	Battery 1#	/
Bottom Side	10mm	810/1909.8	GPRS 2TS	0.280	0.157	0.19	28.02	29.00	0.351	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case											
Second Antenna											
Top Side	10mm	661/1880	GPRS 2TS	**0.175**	0.105	-0.16	24.24	25.00	**0.208**	Battery 2#	Yes
Main Antenna											
Bottom Side	10mm	810/1909.8	GPRS 2TS	0.095	0.058	-0.14	28.02	29.00	0.119	Battery 1#	/

Table 132: Hotspot SAR test results of GSM1900

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

7.2.3 SAR measurement Results 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						
Test data from report (report No.SYBH(Z-SAR) 20181114019001-2)										
Test data of ELE-L04										
Second Antenna										
Left cheek	9400/1880	RMC	0.105	0.060	-0.07	15.57	16.50	0.130	Battery 1#	/
Left tilt	9400/1880	RMC	0.143	0.080	-0.07	15.57	16.50	0.177	Battery 1#	/
Right cheek	9400/1880	RMC	0.205	0.100	-0.13	15.57	16.50	0.254	Battery 1#	/
Right tilt	9400/1880	RMC	0.189	0.102	-0.17	15.57	16.50	0.234	Battery 1#	/
Right cheek	9400/1880	RMC	**0.215**	0.103	-0.17	15.57	16.50	0.266	Battery 2#	/
Right cheek	9262/1852.4	RMC	0.193	0.107	-0.16	15.64	16.50	0.235	Battery 2#	/
Right cheek	9538/1907.6	RMC	0.153	0.087	-0.12	15.43	16.50	0.196	Battery 2#	/
Main Antenna										
Left cheek	9400/1880	RMC	**0.173**	0.112	0.05	23.96	25.00	**0.220**	Battery 1#	Yes
Left tilt	9400/1880	RMC	0.080	0.044	-0.09	23.96	25.00	0.102	Battery 1#	/
Right cheek	9400/1880	RMC	0.137	0.089	0.08	23.96	25.00	0.174	Battery 1#	/
Right tilt	9400/1880	RMC	0.083	0.048	-0.03	23.96	25.00	0.105	Battery 1#	/
Left cheek	9400/1880	RMC	0.171	0.109	0.05	23.96	25.00	0.217	Battery 2#	/
Left cheek	9262/1852.4	RMC	0.148	0.090	-0.03	24.05	25.00	0.184	Battery 1#	/
Left cheek	9538/1907.6	RMC	0.146	0.088	-0.12	23.85	25.00	0.190	Battery 1#	/
ELE-L29 test data at worst case of ELE-L04										
Second Antenna										
Right cheek	9400/1880	RMC	0.187	0.091	-0.08	15.57	16.50	0.232	Battery 2#	/
Right cheek	9400/1880	RMC	0.178	0.087	0.09	15.57	16.50	0.221	With SIM2	/
Main Antenna										
Left cheek	9400/1880	RMC	0.117	0.071	-0.08	23.96	25.00	0.149	Battery 1#	/
Left cheek	9400/1880	RMC	0.151	0.096	-0.12	23.96	25.00	0.192	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case										
Second Antenna										
Right cheek	9400/1880	RMC	**0.319**	0.154	0.11	15.57	16.50	**0.395**	Battery 2#	Yes
Main Antenna										
Left cheek	9400/1880	RMC	0.057	0.038	-0.03	23.96	25.00	0.072	With SIM2	/

Table 133: 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 report (report No.SYBH(Z-SAR) 20181114019001-2)											
Test data of ELE-L04											
Second Antenna											
Front Side	15mm	9400/1880	RMC	0.082	0.046	-0.13	21.55	22.50	0.102	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.134	0.079	-0.11	21.55	22.50	0.167	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.123	0.074	-0.09	21.55	22.50	0.153	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	**0.160**	0.095	-0.06	21.68	22.50	**0.193**	Battery 1#	Yes
Back Side	15mm	9538/1907.6	RMC	0.097	0.057	-0.07	21.45	22.50	0.123	Battery 1#	/
Main Antenna											
Front Side	15mm	9400/1880	RMC	0.218	0.136	-0.08	23.96	25.00	0.277	Battery 1#	/
Back Side	15mm	9400/1880	RMC	**0.326**	0.210	-0.11	23.96	25.00	**0.414**	Battery 1#	Yes
Back Side	15mm	9400/1880	RMC	0.316	0.205	-0.07	23.96	25.00	0.402	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	0.325	0.212	-0.14	24.05	25.00	0.404	Battery 1#	/
Back Side	15mm	9538/1907.6	RMC	0.311	0.200	-0.14	23.85	25.00	0.405	Battery 1#	/
ELE-L29 test data at worst case of ELE-L04											
Second Antenna											
Back Side	15mm	9262/1852.4	RMC	0.140	0.083	0.04	21.68	22.50	0.169	Battery 1#	/
Back Side	15mm	9262/1852.4	RMC	0.138	0.081	-0.15	21.68	22.50	0.167	With SIM2	/
Main Antenna											
Back Side	15mm	9400/1880	RMC	0.317	0.207	-0.02	23.96	25.00	0.403	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.321	0.208	-0.12	23.96	25.00	0.408	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case											
Second Antenna											
Back Side	15mm	9262/1852.4	RMC	0.109	0.070	-0.12	21.68	22.50	0.132	Battery 1#	/
Main Antenna											
Back Side	15mm	9400/1880	RMC	0.102	0.068	-0.04	23.96	25.00	0.130	Battery 1#	/

Table 134: 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 report (report No.SYBH(Z-SAR) 20181114019001-2)											
Test data of ELE-L04											
Second Antenna											
Front Side	10mm	9400/1880	RMC	0.070	0.036	-0.07	17.08	18.00	0.086	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.112	0.061	-0.10	17.08	18.00	0.138	Battery 1#	/
Left Side	10mm	9400/1880	RMC	0.012	0.006	0.19	17.08	18.00	0.014	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.153	0.082	0.17	17.08	18.00	0.189	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.146	0.078	0.18	17.08	18.00	0.180	Battery 2#	/
Top Side	10mm	9262/1852.4	RMC	**0.172**	0.092	0.17	17.23	18.00	**0.205**	Battery 1#	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.17	16.98	18.00	0.144	Battery 1#	/
Main Antenna											
Front Side	10mm	9400/1880	RMC	0.199	0.121	-0.11	21.46	22.50	0.253	Battery 1#	/
Back Side	10mm	9400/1880	RMC	**0.318**	0.204	-0.11	21.46	22.50	**0.404**	Battery 1#	Yes
Right Side	10mm	9400/1880	RMC	0.146	0.079	-0.12	21.46	22.50	0.186	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.285	0.161	0.14	21.46	22.50	0.362	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.300	0.191	0.08	21.46	22.50	0.381	Battery 2#	/
Back Side	10mm	9262/1852.4	RMC	0.290	0.174	0.00	21.46	22.50	0.368	Battery 1#	/
Back Side	10mm	9538/1907.6	RMC	0.274	0.161	-0.12	21.35	22.50	0.357	Battery 1#	/
ELE-L29 test data at worst case of ELE-L04											
Second Antenna											
Top Side	10mm	9262/1852.4	RMC	0.165	0.088	0.17	17.23	18.00	0.197	Battery 1#	/
Top Side	10mm	9262/1852.4	RMC	0.170	0.090	-0.09	17.23	18.00	0.203	With SIM2	/
Main Antenna											
Back Side	10mm	9400/1880	RMC	0.275	0.174	-0.14	21.46	22.50	0.349	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.268	0.169	-0.02	21.46	22.50	0.341	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case											
Second Antenna											
Top Side	10mm	9262/1852.4	RMC	0.147	0.088	-0.15	17.23	18.00	0.176	Battery 1#	/
Main Antenna											
Back Side	10mm	9400/1880	RMC	0.192	0.123	-0.02	21.46	22.50	0.244	Battery 1#	/

Table 135: 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)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report No.SYBH(Z-SAR) 20181114019001-2)										
Test data of ELE-L04										
Second Antenna										
Front Side	10mm	9400/1880	RMC	0.070	0.036	-0.07	17.08	22.50	0.242	Yes
Back Side	10mm	9400/1880	RMC	0.112	0.061	-0.10	17.08	22.50	0.390	Yes
Left Side	10mm	9400/1880	RMC	0.012	0.006	0.19	17.08	22.50	0.040	Yes
Top Side	10mm	9400/1880	RMC	0.153	0.082	0.17	17.08	22.50	0.533	Yes
Top Side	10mm	9400/1880	RMC	0.146	0.078	0.18	17.08	22.50	0.509	Yes
Top Side	10mm	9262/1852.4	RMC	**0.172**	0.092	0.17	17.23	22.50	0.579	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.17	16.98	22.50	0.406	Yes
Main Antenna										
Front Side	10mm	9400/1880	RMC	0.199	0.121	-0.11	21.46	25.00	0.450	Yes
Back Side	10mm	9400/1880	RMC	**0.318**	0.204	-0.11	21.46	25.00	0.719	Yes
Right Side	10mm	9400/1880	RMC	0.146	0.079	-0.12	21.46	25.00	0.330	Yes
Back Side	10mm	9400/1880	RMC	0.285	0.161	0.14	21.46	25.00	0.644	Yes
Back Side	10mm	9400/1880	RMC	0.300	0.191	0.08	21.46	25.00	0.678	Yes
Back Side	10mm	9262/1852.4	RMC	0.290	0.174	0.00	21.46	25.00	0.655	Yes
Back Side	10mm	9538/1907.6	RMC	0.274	0.161	-0.12	21.35	25.00	0.635	Yes
ELE-L29 test data at worst case of ELE-L04										
Second Antenna										
Top Side	10mm	9262/1852.4	RMC	0.165	0.088	0.17	17.23	22.50	0.555	Yes
Top Side	10mm	9262/1852.4	RMC	0.170	0.090	-0.09	17.23	22.50	0.572	Yes
Main Antenna										
Back Side	10mm	9400/1880	RMC	0.275	0.174	-0.14	21.46	25.00	0.621	Yes
Back Side	10mm	9400/1880	RMC	0.268	0.169	-0.02	21.46	25.00	0.606	Yes
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case										
Second Antenna										
Top Side	10mm	9262/1852.4	RMC	0.147	0.088	-0.15	17.23	22.50	0.495	Yes
Main Antenna										
Back Side	10mm	9400/1880	RMC	0.192	0.123	-0.02	21.46	25.00	0.434	Yes

Table 136: 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 not required for this frequency band.

7.2.4 SAR measurement Results 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						
Test data from report (report No.SYBH(Z-SAR) 20181114019001-2)										
Test data of ELE-L04										
Second Antenna										
Left cheek	1413/1732.6	RMC	0.153	0.077	-0.11	14.54	15.50	0.191	Battery 1#	/
Left tilt	1413/1732.6	RMC	0.257	0.125	-0.03	14.54	15.50	0.321	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.176	0.089	0.08	14.54	15.50	0.220	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.305	0.149	0.04	14.54	15.50	0.380	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.278	0.137	0.04	14.54	15.50	0.347	Battery 2#	/
Right tilt	1312/1712.4	RMC	0.223	0.111	0.01	14.65	15.50	0.271	Battery 1#	/
Right tilt	1513/1752.6	RMC	**0.361**	0.170	-0.16	14.53	15.50	**0.451**	Battery 1#	Yes
Main Antenna										
Left cheek	1413/1732.6	RMC	0.233	0.149	0.02	23.99	25.00	0.294	Battery 1#	/
Left tilt	1413/1732.6	RMC	0.143	0.077	-0.07	23.99	25.00	0.180	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.199	0.130	-0.10	23.99	25.00	0.251	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.136	0.076	0.07	23.99	25.00	0.172	Battery 1#	/
Left cheek	1413/1732.6	RMC	0.210	0.136	0.12	23.99	25.00	0.265	Battery 2#	/
Left cheek	1312/1712.4	RMC	0.231	0.149	-0.15	24.13	25.00	0.282	Battery 1#	/
Left cheek	1513/1752.6	RMC	0.228	0.146	0.01	24.04	25.00	0.284	Battery 1#	/
ELE-L29 test data at worst case of ELE-L04										
Second Antenna										
Right tilt	1513/1752.6	RMC	0.354	0.174	-0.19	14.53	15.50	0.443	Battery 1#	/
Right tilt	1513/1752.6	RMC	0.345	0.168	0.09	14.53	15.50	0.431	With SIM2	/
Main Antenna										
Left cheek	1413/1732.6	RMC	**0.235**	0.156	-0.03	23.99	25.00	**0.297**	Battery 1#	Yes
Left cheek	1413/1732.6	RMC	0.220	0.146	0.00	23.99	25.00	0.278	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case										
Second Antenna										
Right tilt	1513/1752.6	RMC	0.254	0.120	0.13	14.53	15.50	0.318	Battery 1#	/
Main Antenna										
Left cheek	1413/1732.6	RMC	0.076	0.051	0.03	23.99	25.00	0.096	Battery 1#	/

Table 137: 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 report (report No.SYBH(Z-SAR) 20181114019001-2)											
Test data of ELE-L04											
Second Antenna											
Front Side	15mm	1413/1732.6	RMC	0.158	0.097	-0.19	22.03	23.00	0.198	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.283	0.168	-0.08	22.03	23.00	0.354	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.274	0.164	-0.04	22.03	23.00	0.343	Battery 2#	/
Back Side	15mm	1312/1712.4	RMC	0.257	0.153	-0.13	22.15	23.00	0.313	Battery 1#	/
Back Side	15mm	1513/1752.6	RMC	0.268	0.159	-0.04	22.06	23.00	0.333	Battery 1#	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	**0.407**	0.268	-0.19	23.99	25.00	**0.514**	Battery 1#	Yes
Back Side	15mm	1413/1732.6	RMC	0.378	0.248	-0.11	23.99	25.00	0.477	Battery 1#	/
Front Side	15mm	1413/1732.6	RMC	0.404	0.267	-0.17	23.99	25.00	0.510	Battery 2#	/
Front Side	15mm	1312/1712.4	RMC	0.371	0.234	-0.16	24.13	25.00	0.453	Battery 1#	/
Front Side	15mm	1513/1752.6	RMC	0.364	0.240	-0.17	24.04	25.00	0.454	Battery 1#	/
ELE-L29 test data at worst case of ELE-L04											
Second Antenna											
Back Side	15mm	1413/1732.6	RMC	**0.307**	0.175	0.11	22.03	23.00	**0.384**	Battery 1#	Yes
Back Side	15mm	1413/1732.6	RMC	0.301	0.173	-0.02	22.03	23.00	0.376	With SIM2	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	0.336	0.223	-0.10	23.99	25.00	0.424	Battery 1#	/
Front Side	15mm	1413/1732.6	RMC	0.368	0.244	-0.13	23.99	25.00	0.464	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case											
Second Antenna											
Back Side	15mm	1413/1732.6	RMC	0.070	0.049	-0.13	22.03	23.00	0.087	Battery 1#	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	0.163	0.115	-0.09	23.99	25.00	0.206	Battery 1#	/

Table 138: 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 report (report No.SYBH(Z-SAR) 20181114019001-2)											
Test data of ELE-L04											
Second Antenna											
Front Side	10mm	1413/1732.6	RMC	0.101	0.060	0.01	18.06	19.00	0.125	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.290	0.150	0.10	18.06	19.00	0.360	Battery 1#	/
Left Side	10mm	1413/1732.6	RMC	0.048	0.023	0.09	18.06	19.00	0.060	Battery 1#	/
Top Side	10mm	1413/1732.6	RMC	**0.294**	0.163	0.01	18.06	19.00	**0.365**	Battery 1#	Yes
Top Side	10mm	1413/1732.6	RMC	0.292	0.162	0.04	18.06	19.00	0.363	Battery 2#	/
Top Side	10mm	1312/1712.4	RMC	0.274	0.153	0.05	18.16	19.00	0.332	Battery 1#	/
Top Side	10mm	1513/1752.6	RMC	0.283	0.155	0.09	18.07	19.00	0.351	Battery 1#	/
Main Antenna											
Front Side	10mm	1413/1732.6	RMC	0.308	0.201	0.01	20.99	22.00	0.389	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.406	0.265	-0.10	20.99	22.00	0.512	Battery 1#	/
Right Side	10mm	1413/1732.6	RMC	0.068	0.040	-0.07	20.99	22.00	0.085	Battery 1#	/
Bottom Side	10mm	1413/1732.6	RMC	**0.542**	0.312	0.07	20.99	22.00	**0.684**	Battery 1#	Yes
Bottom Side	10mm	1413/1732.6	RMC	0.506	0.295	0.06	20.99	22.00	0.638	Battery 2#	/
Bottom Side	10mm	1312/1712.4	RMC	0.489	0.285	0.01	21.10	22.00	0.602	Battery 1#	/
Bottom Side	10mm	1513/1752.6	RMC	0.264	0.153	0.00	21.03	22.00	0.330	Battery 1#	/
ELE-L29 test data at worst case of ELE-L04											
Second Antenna											
Top Side	10mm	1413/1732.6	RMC	0.205	0.115	0.02	18.06	19.00	0.255	Battery 1#	/
Top Side	10mm	1413/1732.6	RMC	0.195	0.110	0.05	18.06	19.00	0.242	With SIM2	/
Main Antenna											
Bottom Side	10mm	1413/1732.6	RMC	0.492	0.286	-0.09	20.99	22.00	0.621	Battery 1#	/
Bottom Side	10mm	1413/1732.6	RMC	0.479	0.279	-0.11	20.99	22.00	0.604	With SIM2	/
Tested at the SAR worst case from report (report No.SYBH(Z-SAR) 20181114019001-2) with the optional wireless charging protective case											
Second Antenna											
Top Side	10mm	1413/1732.6	RMC	0.132	0.075	0.16	18.06	19.00	0.164	Battery 1#	/
Main Antenna											
Bottom Side	10mm	1413/1732.6	RMC	0.351	0.216	-0.14	20.99	22.00	0.443	Battery 1#	/

Table 139: Hotspot SAR test results of UMTS Band IV