Bandwidth	Modulation	RB size	RB offset	Channel 40215	Channel 40532	Channel 40848	Channel 41165	Tune up
15MHz	QPSK	1	0	14.14	14.12	14.19	14.29	15.70
		1	38	14.33	14.29	14.12	14.08	15.70
		1	74	14.30	14.15	14.16	14.04	15.70
		36	0	14.28	14.08	14.19	14.20	15.70
		36	18	14.29	14.03	14.09	14.16	15.70
		36	39	14.25	14.10	14.13	14.15	15.70
		75	0	14.31	14.09	14.12	14.29	15.70
	16QAM	1	0	14.41	14.35	13.77	14.30	15.70
		1	38	14.33	14.28	14.02	13.71	15.70
		1	74	14.21	14.26	14.29	14.46	15.70
		36	0	14.29	14.11	14.31	14.15	15.70
		36	18	14.20	13.93	14.23	14.08	15.70
		36	39	14.31	14.14	14.25	14.09	15.70
		75	0	14.19	13.99	14.20	14.04	15.70
	64QAM	1	0	14.52	14.46	13.87	14.31	15.70
		1	38	14.39	14.36	14.09	14.11	15.70
		1	74	14.24	14.28	14.35	14.42	15.70
		36	0	14.33	14.13	14.44	14.16	15.70
		36	18	14.26	14.00	14.27	14.07	15.70
		36	39	14.28	14.18	14.32	14.17	15.70
		75	0	14.20	14.10	14.24	14.08	15.70
Bandwidth	Modulation	RB size	RB offset	Channel 40240	Channel 40540	Channel 40840	Channel 41140	Tune up
20MHz	QPSK	1	0	14.03	14.05	14.01	14.06	15.70
		1	50	14.15	14.12	14.16	14.04	15.70
		1	99	14.06	13.86	14.08	14.10	15.70
		50	0	14.28	14.32	14.06	14.29	15.70
		50	25	14.20	14.13	14.14	14.20	15.70
		50	50	14.20	14.04	14.20	14.11	15.70
		100	0	14.22	14.05	14.20	14.19	15.70
	16QAM	1	0	14.33	14.01	14.27	14.41	15.70
		1	50	14.32	14.08	14.20	14.53	15.70
		1	99	14.21	14.01	13.98	14.19	15.70
		50	0	14.02	14.24	14.06	14.18	15.70
		50	25	14.08	14.08	14.09	14.13	15.70
		50	50	14.07	13.92	14.09	14.08	15.70
		100	0	14.09	14.13	14.12	14.13	15.70
	64QAM	1	0	14.50	14.52	14.41	14.51	15.70
		1	50	14.05	14.27	13.91	14.43	15.70
		1	99	14.51	14.32	14.52	14.36	15.70
		50	0	14.39	14.14	14.30	14.18	15.70
		50	25	14.17	14.11	14.19	14.18	15.70
		50	50	14.36	14.11	14.22	14.25	15.70
		100	0	14.24	14.10	14.23	14.16	15.70

Table 16：Conducted Power of LTE

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8.1.3 Conducted Power of Downlink LTE CA

In this section, 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 ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive, therefore SAR evaluation with downlink carrier aggregation can be excluded.

Power test equipment: Anritsu Radio Communication Analyzer MT8821C

The possible downlink LTE CA combinations supported by this device are as below tables per 3GPP TS 36.101 V12.5.0. The detailed conducted power measurement results of downlink LTE CA are provided in the SAR report per 3GPP TS 36.521-1 V12.3.0. According to KDB 941225 D05A, the downlink only carrier aggregation conditions for this device can be excluded from SAR testing and PAG requirements can be excluded.

The conducted power measurement results of downlink LTE CA Conducted Power are as below, so the downlink only carrier aggregation conditions for this device can be excluded from SAR testing

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8.1.3.1 Conducted Power of Downlink LTE CA

Ant1															
Full Power Receicer on Receicer on+BT															
DL LTE CA Class	PCC							SCC1				Power(dBm)			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up	
CA_5B	Band 5	10M	QPSK	844	20600	1	0	Band 5	10M	879.1	2501	24.00	24.02	25.00	
CA_7C	Band 7	20M	QPSK	2560	21350	1	50	Band 7	20M	2660.2	3152	23.49	23.53	24.70	
CA_38C	Band 38	20M	QPSK	2610	38150	1	99	Band 38	20M	2590.2	37952	23.11	23.16	24.20	
CA_41C	Band 41	20M	QPSK	2555	40240	1	99	Band 41	20M	2574.8	40438	23.16	23.19	24.20	
CA_7A-7A	Band 7	20M	QPSK	2560	21350	1	50	Band 7	20M	2525	3000	23.46	23.53	24.70	
CA_2A-5A	Band 2	20M	QPSK	1860	18700	1	0	Band 5	10M	881.5	2525	23.15	23.18	24.00	
	Band 5	10M	QPSK	844	20600	1	0	Band 2	20M	1960	900	23.97	24.02	25.00	
CA_4A-5A	Band 4	20M	QPSK	1745	20300	1	0	Band 5	10M	881.5	2525	22.96	22.99	24.00	
	Band 5	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	23.96	24.02	25.00	
CA_4A-7A	Band 4	20M	QPSK	1745	20300	1	0	Band 7	20M	2655	3100	22.98	22.99	24.00	
	Band 7	20M	QPSK	2560	21350	1	50	Band 4	20M	2132.5	2175	23.47	23.53	24.70	
CA_5A-7A	Band 5	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	23.96	24.02	25.00	
	Band 7	20M	QPSK	2560	21350	1	50	Band 4	20M	2132.5	2175	23.49	23.53	24.70	
Receiver off Receiver off+BT															
DL LTE CA Class	PCC							SCC1				Power(dBm)			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up	
CA_5B	Band 5	10M	QPSK	844	20600	1	0	Band 5	10M	879.1	2501	24.00	24.02	25.00	
CA_7C	Band 7	20M	16QAM	2560	21350	1	50	Band 7	20M	2660.2	3152	22.65	22.69	23.70	
CA_38C	Band 38	20M	QPSK	2610	38150	1	99	Band 38	20M	2590.2	37952	23.11	23.16	24.20	
CA_41C	Band 41	20M	QPSK	2555	40240	1	99	Band 41	20M	2574.8	40438	23.16	23.19	24.20	
CA_7A-7A	Band 7	20M	16QAM	2560	21350	1	50	Band 7	20M	2525	3000	22.62	22.69	23.70	
CA_2A-5A	Band 2	20M	QPSK	1860	18700	1	0	Band 5	10M	881.5	2525	23.15	23.18	24.00	
	Band 5	10M	QPSK	844	20600	1	0	Band 2	20M	1960	900	23.97	24.02	25.00	
CA_4A-5A	Band 4	20M	QPSK	1745	20300	1	99	Band 5	10M	881.5	2525	22.55	22.58	23.50	
	Band 5	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	23.96	24.02	25.00	
CA_4A-7A	Band 4	20M	QPSK	1745	20300	1	99	Band 7	20M	2655	3100	22.53	22.58	23.50	
	Band 7	20M	16QAM	2560	21350	1	50	Band 4	20M	2132.5	2175	22.63	22.69	23.70	
CA_5A-7A	Band 5	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	23.99	24.02	25.00	
	Band 7	20M	16QAM	2560	21350	1	50	Band 4	20M	2132.5	2175	22.68	22.69	23.70	

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Ant2															
Full Power Receicer off Receicer off+BT															
DL LTE CA Class	PCC							SCC1				Power(dBm)			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up	
CA_5B	Band 5	10M	QPSK	829	20450	1	49	Band 5	10M	883.9	2549	24.28	24.32	25.00	
CA_7C	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2649.8	3048	21.68	21.71	22.70	
CA_38C	Band 38	20M	QPSK	2610	38150	1	99	Band 38	20M	2590.2	37952	22.83	22.87	24.20	
CA_41C	Band 41	20M	QPSK	2555	40240	1	99	Band 41	20M	2574.8	40438	22.85	22.88	24.20	
CA_7A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2680	3350	21.69	21.71	22.70	
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	23.51	23.52	24.00	
	Band 5	10M	QPSK	829	20450	1	49	Band 2	20M	1960	900	24.27	24.32	25.00	
CA_4A-5A	Band 4	20M	QPSK	1720	20050	1	0	Band 5	10M	881.5	2525	23.46	23.48	24.00	
	Band 5	10M	QPSK	829	20450	1	49	Band 4	20M	2132.5	2175	24.29	24.32	25.00	
CA_4A-7A	Band 4	20M	QPSK	1720	20050	1	0	Band 7	20M	2655	3100	23.43	23.48	24.00	
	Band 7	20M	QPSK	2510	20850	1	50	Band 4	20M	2132.5	2175	21.66	21.71	22.70	
CA_5A-7A	Band 5	10M	QPSK	829	20450	1	49	Band 7	20M	2655	3100	24.26	24.32	25.00	
	Band 7	20M	QPSK	2510	20850	1	50	Band 4	20M	2132.5	2175	21.65	21.71	22.70	
Receicer on Receicer on+BT															
DL LTE CA Class	PCC							SCC1				Power(dBm)			
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up	
CA_5B	Band 5	10M	64QAM	829	20450	1	0	Band 5	10M	883.9	2549	21.71	21.76	22.50	
CA_7C	Band 7	20M	16QAM	2560	21350	1	99	Band 7	20M	2660.2	3152	16.48	16.52	17.20	
CA_38C	Band 38	20M	16QAM	2610	38150	1	99	Band 38	20M	2590.2	37952	19.48	19.54	20.70	
CA_41C	Band 41	20M	16QAM	2645	41140	1	0	Band 41	20M	2625.2	40942	19.25	19.28	20.20	
CA_7A-7A	Band 7	20M	16QAM	2560	21350	1	99	Band 7	20M	2645	3000	16.48	16.52	17.20	
CA_2A-5A	Band 2	20M	64QAM	1860	18700	1	0	Band 5	10M	881.5	2525	19.71	19.72	20.50	
CA_2A-5A	Band 5	10M	64QAM	829	20450	1	0	Band 2	20M	1960	900	21.74	21.76	22.50	
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 5	10M	881.5	2525	18.62	18.64	19.00	
	Band 5	10M	64QAM	829	20450	1	0	Band 4	20M	2132.5	2175	21.73	21.76	22.50	
CA_4A-7A	Band 4	20M	16QAM	1720	20050	1	99	Band 7	20M	2655	3100	18.63	18.64	19.00	
	Band 7	20M	16QAM	2560	21350	1	99	Band 4	20M	2132.5	2175	16.47	16.52	17.20	
CA_5A-7A	Band 5	10M	64QAM	829	20450	1	0	Band 7	20M	2655	3100	21.69	21.76	22.50	
	Band 7	20M	16QAM	2560	21350	1	99	Band 4	20M	2132.5	2175	16.44	16.52	17.20	

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Second antenna+WiFi 2.4G(Rec off) Second antenna+WiFi 2.4G(Rec off)+BT														
DL LTE CA Class	PCC							SCC1				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_5B	Band 5	10M	16QAM	829	20450	1	49	Band 5	10M	883.9	2549	22.85	22.88	23.50
CA_7C	Band 7	20M	16QAM	2560	21350	1	99	Band 7	20M	2660.2	3152	17.92	17.94	18.70
CA_38C	Band 38	20M	QPSK	2610	38150	1	99	Band 38	20M	2590.2	37952	22.83	22.87	24.20
CA_41C	Band 41	20M	16QAM	2645	41140	1	50	Band 41	20M	2625.2	40942	18.55	18.58	19.70
CA_7A-7A	Band 7	20M	16QAM	2560	21350	1	99	Band 7	20M	2645	3000	17.92	17.94	18.70
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	23.51	23.52	24.00
	Band 5	10M	QPSK	829	20450	1	49	Band 2	20M	1960	900	24.27	24.32	25.00
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 5	10M	881.5	2525	18.93	18.96	19.50
	Band 5	10M	16QAM	829	20450	1	49	Band 4	20M	2132.5	2175	22.87	22.88	23.50
CA_4A-7A	Band 4	20M	16QAM	1720	20050	1	99	Band 7	20M	2655	3100	18.91	18.96	19.50
	Band 7	20M	16QAM	2560	21350	1	99	Band 4	20M	2132.5	2175	17.90	17.94	18.70
CA_5A-7A	Band 5	10M	16QAM	829	20450	1	49	Band 7	20M	2655	3100	22.82	22.88	23.50
	Band 7	20M	16QAM	2560	21350	1	99	Band 4	20M	2132.5	2175	17.93	17.94	18.70

Second antenna+WiFi 2.4G(Rec on) Second antenna+WiFi 2.4G(Rec on)+BT														
DL LTE CA Class	PCC							SCC1				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_5B	Band 5	10M	16QAM	829	20450	1	0	Band 5	10M	883.9	2549	20.31	20.36	21.00
CA_7C	Band 7	20M	16QAM	2560	21350	1	0	Band 7	20M	2660.2	3152	12.45	12.47	13.20
CA_38C	Band 38	20M	16QAM	2610	38150	1	99	Band 38	20M	2590.2	37952	19.48	19.54	20.70
CA_41C	Band 41	20M	16QAM	2645	41140	1	50	Band 41	20M	2625.2	40942	14.51	14.53	15.70
CA_7A-7A	Band 7	20M	16QAM	2560	21350	1	0	Band 7	20M	2645	3000	12.40	12.47	13.20
CA_2A-5A	Band 2	20M	64QAM	1860	18700	1	0	Band 5	10M	881.5	2525	19.71	19.72	20.50
	Band 5	10M	64QAM	829	20450	1	0	Band 2	20M	1960	900	21.74	21.76	22.50
CA_4A-5A	Band 4	20M	16QAM	1745	20300	1	50	Band 5	10M	881.5	2525	13.85	13.89	14.80
	Band 5	10M	16QAM	829	20450	1	0	Band 4	20M	2132.5	2175	20.34	20.36	21.00
CA_4A-7A	Band 4	20M	16QAM	1745	20300	1	50	Band 7	20M	2655	3100	13.83	13.89	14.80
	Band 7	20M	16QAM	2560	21350	1	0	Band 4	20M	2132.5	2175	12.42	12.47	13.20
CA_5A-7A	Band 5	10M	16QAM	829	20450	1	0	Band 7	20M	2655	3100	20.35	20.36	21.00
	Band 7	20M	16QAM	2560	21350	1	0	Band 4	20M	2132.5	2175	12.41	12.47	13.20

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Second antenna+WiFi 5G(Rec off)
Second antenna+WiFi 5G(Rec off)+BT

DL LTE CA Class	PCC							SCC1				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_5B	Band 5	10M	QPSK	829	20450	1	0	Band 5	10M	883.9	2549	23.23	23.26	24.00
CA_7C	Band 7	20M	16QAM	2560	21350	1	50	Band 7	20M	2660.2	3152	20.47	20.51	21.70
CA_38C	Band 38	20M	QPSK	2610	38150	1	99	Band 38	20M	2590.2	37952	22.83	22.87	24.20
CA_41C	Band 41	20M	QPSK	2555	40240	1	99	Band 41	20M	2574.8	40438	22.85	22.88	24.20
CA_7A-7A	Band 7	20M	16QAM	2560	21350	1	50	Band 7	20M	2645	3000	20.44	20.51	21.70
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	23.51	23.52	24.00
	Band 5	10M	QPSK	829	20450	1	49	Band 2	20M	1960	900	24.27	24.32	25.00
CA_4A-5A	Band 4	20M	QPSK	1720	20050	1	0	Band 5	10M	881.5	2525	23.46	23.48	24.00
	Band 5	10M	QPSK	829	20450	1	49	Band 4	20M	2132.5	2175	24.29	24.32	25.00
CA_4A-7A	Band 4	20M	QPSK	1720	20050	1	0	Band 7	20M	2655	3100	23.41	23.48	24.00
	Band 7	20M	16QAM	2560	21350	1	50	Band 4	20M	2132.5	2175	20.46	20.51	21.70
CA_5A-7A	Band 5	10M	QPSK	829	20450	1	0	Band 7	20M	2655	3100	23.22	23.26	24.00
	Band 7	20M	16QAM	2560	21350	1	50	Band 4	20M	2132.5	2175	20.43	20.51	21.70

Second antenna+WiFi 5G(Rec on)
Second antenna+WiFi 5G(Rec on)+BT

DL LTE CA Class	PCC							SCC1				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_5B	Band 5	10M	64QAM	844	20600	1	25	Band 5	10M	889	2600	20.58	20.63	21.50
CA_7C	Band 7	20M	16QAM	2560	21350	1	50	Band 7	20M	2660.2	3152	15.28	15.32	16.20
CA_38C	Band 38	20M	16QAM	2610	38150	1	99	Band 38	20M	2590.2	37952	19.48	19.54	20.70
CA_41C	Band 41	20M	16QAM	2645	41140	1	0	Band 41	20M	2625.2	40942	19.25	19.28	20.20
CA_7A-7A	Band 7	20M	16QAM	2560	21350	1	50	Band 7	20M	2645	3000	15.29	15.32	16.20
CA_2A-5A	Band 2	20M	64QAM	1860	18700	1	0	Band 5	10M	881.5	2525	19.71	19.72	20.50
	Band 5	10M	64QAM	829	20450	1	0	Band 2	20M	1960	900	21.74	21.76	22.50
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 5	10M	881.5	2525	18.62	18.64	19.00
	Band 5	10M	64QAM	829	20450	1	0	Band 4	20M	2132.5	2175	21.73	21.76	22.50
CA_4A-7A	Band 4	20M	16QAM	1720	20050	1	99	Band 7	20M	2655	3100	18.60	18.64	19.00
	Band 7	20M	16QAM	2560	21350	1	50	Band 4	20M	2132.5	2175	15.27	15.32	16.20
CA_5A-7A	Band 5	10M	64QAM	844	20600	1	25	Band 7	20M	2655	3100	20.59	20.63	21.50
	Band 7	20M	16QAM	2560	21350	1	50	Band 4	20M	2132.5	2175	15.26	15.32	16.20

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Second antenna+WiFi 2.4G+5G(Rec off) Second antenna+WiFi 2.4G+5G(Rec off)+BT															
DL LTE CA Class	PCC							SCC1				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_5B	Band 5	10M	QPSK	829	20450	1	0	Band 5	10M	883.9	2549	22.24	22.28	23.00
CA_7C	Band 7	20M	16QAM	2560	21350	1	99	Band 7	20M	2660.2	3152	17.92	17.94	18.70
CA_38C	Band 38	20M	QPSK	2580	37850	1	0	Band 38	20M	2599.8	38048	22.21	22.25	23.70
CA_41C	Band 41	20M	16QAM	2645	41140	1	50	Band 41	20M	2625.2	40942	18.55	18.58	19.70
CA_7A-7A	Band 7	20M	16QAM	2560	21350	1	99	Band 7	20M	2645	3000	17.88	17.94	18.70
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	23.51	23.52	24.00
	Band 5	10M	QPSK	829	20450	1	49	Band 2	20M	1960	900	24.27	24.32	25.00
CA_4A-5A	Band 4	20M	16QAM	1720	20050	1	99	Band 5	10M	881.5	2525	18.93	18.96	19.50
	Band 5	10M	16QAM	829	20450	1	49	Band 4	20M	2132.5	2175	22.87	22.88	23.50
CA_4A-7A	Band 4	20M	16QAM	1720	20050	1	99	Band 7	20M	2655	3100	18.92	18.96	19.50
	Band 7	20M	16QAM	2560	21350	1	99	Band 4	20M	2132.5	2175	17.88	17.94	18.70
CA_5A-7A	Band 5	10M	QPSK	829	20450	1	0	Band 7	20M	2655	3100	22.21	22.28	23.00
	Band 7	20M	16QAM	2560	21350	1	99	Band 4	20M	2132.5	2175	17.88	17.94	18.70
Second antenna+WiFi 2.4G+5G(Rec on) Second antenna+WiFi 2.4G+5G(Rec on)+BT															
DL LTE CA Class	PCC							SCC1				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_5B	Band 5	10M	16QAM	844	20600	1	0	Band 5	10M	889	2600	19.76	19.80	20.50
CA_7C	Band 7	20M	16QAM	2560	21350	1	0	Band 7	20M	2660.2	3152	12.45	12.47	13.20
CA_38C	Band 38	20M	16QAM	2580	37850	1	50	Band 38	20M	2599.8	38048	18.96	18.99	20.20
CA_41C	Band 41	20M	16QAM	2645	41140	1	50	Band 41	20M	2625.2	40942	14.51	14.53	15.70
CA_7A-7A	Band 7	20M	16QAM	2560	21350	1	0	Band 7	20M	2645	3000	12.40	12.47	13.20
CA_2A-5A	Band 2	20M	64QAM	1860	18700	1	0	Band 5	10M	881.5	2525	19.71	19.72	20.50
	Band 5	10M	64QAM	829	20450	1	0	Band 2	20M	1960	900	21.74	21.76	22.50
CA_4A-5A	Band 4	20M	16QAM	1745	20300	1	50	Band 5	10M	881.5	2525	13.85	13.89	14.80
	Band 5	10M	16QAM	829	20450	1	0	Band 4	20M	2132.5	2175	20.34	20.36	21.00
CA_4A-7A	Band 4	20M	16QAM	1745	20300	1	50	Band 7	20M	2655	3100	13.81	13.89	14.80
	Band 7	20M	16QAM	2560	21350	1	0	Band 4	20M	2132.5	2175	12.42	12.47	13.20
CA_5A-7A	Band 5	10M	16QAM	844	20600	1	0	Band 7	20M	2655	3100	19.77	19.80	20.50
	Band 7	20M	16QAM	2560	21350	1	0	Band 4	20M	2132.5	2175	12.42	12.47	13.20

Table 17：Conducted Power of Downlink LTE CA

Note: The downlink LTE CA SAR test is not required since the maximum output power for downlink LTE CA was not more than 0.25dB higher than the maximum output power for without downlink LTE CA.

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8.1.4 Conducted Power of WIFI and BT

WiFi 2.4G Core0 Full Power	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	1	2412	11	19.00	17.01	No
	5	2432		19.00	17.44	No
	6	2437		18.50	17.08	No
	7	2442		18.50	17.04	No
	8	2447		19.00	17.29	No
	11	2462		19.00	**17.78**	Yes
802.11g	1	2412	6	14.00	12.73	No
	2	2417		18.50	17.12	No
	6	2437		18.50	17.08	No
	10	2457		18.50	17.10	No
	11	2462		14.00	12.97	No
802.11n HT20	1	2412	6.5	14.00	12.66	No
	2	2417		18.00	16.56	No
	6	2437		18.00	16.88	No
	10	2457		18.00	16.67	No
	11	2462		14.00	12.87	No
802.11n HT40	3	2422	13.5	12.00	11.31	No
	4	2427		16.00	14.99	No
	5	2432		18.00	16.86	No
	6	2437		16.00	14.87	No
	7	2442		14.00	12.98	No
	8	2447		12.00	10.89	No
	9	2452		12.00	11.17	No
WiFi 2.4G Core1 Full Power	**Channel**	**Frequency (MHz)**	**Data Rate(Mbps)**	**Tune up**	**Average Power (dBm)**	**SAR Test**
802.11b	1	2412	11	19.00	17.13	No
	5	2432		19.00	17.65	No
	6	2437		18.50	17.21	No
	7	2442		18.50	16.88	No
	8	2447		19.00	17.06	No
	11	2462		19.00	**17.74**	Yes
802.11g	1	2412	6	14.00	12.39	No
	2	2417		18.50	16.57	No
	6	2437		18.50	17.06	No
	10	2457		18.50	16.57	No
	11	2462		14.00	12.27	No
802.11n HT20	1	2412	6.5	14.00	12.20	No
	2	2417		18.00	16.08	No
	6	2437		18.00	16.45	No
	10	2457		18.00	16.05	No
	11	2462		14.00	12.15	No

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802.11n HT40	3	2422	13.5	12.00	10.65	No
	4	2427		16.00	14.24	No
	5	2432		18.00	16.04	No
	6	2437		16.00	14.15	No
	7	2442		14.00	12.14	No
	8	2447		12.00	10.28	No
	9	2452		12.00	10.41	No
WiFi 2.4G CDD/MIMO Full Power wifi only	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11g CDD	1	2412	6M	17.00	16.01	No
	2	2417		21.50	19.73	No
	6	2437		21.50	20.04	No
	10	2457		21.50	19.68	No
	11	2462		17.00	15.67	No
802.11n HT20 MIMO	1	2412	MCS8	17.00	15.50	No
	2	2417		21.00	19.00	No
	6	2437		21.00	19.42	No
	10	2457		21.00	19.08	No
	11	2462		17.00	15.66	No
802.11n HT40 MIMO	3	2422	MCS8	15.00	13.65	No
	4	2427		19.00	17.54	No
	5	2432		21.00	19.42	No
	6	2437		19.00	17.67	No
	7	2442		17.00	15.68	No
	8	2447		15.00	13.67	No
	9	2452		15.00	13.62	No

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Conducted Power of WiFi 2.4G Receiver On (MCC of FCC country)						
WiFi 2.4G Core0 Receiver On	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	1	2412	11	12.10	**10.56**	Yes
	6	2437		12.10	10.27	No
	11	2462		12.10	10.48	No
802.11g	1	2412	6	12.00	10.50	No
	6	2437		12.00	10.90	No
	11	2462		12.00	10.47	No
802.11n HT20	1	2412	6.5	12.00	10.11	No
	6	2437		12.00	10.75	No
	11	2462		12.00	10.30	No
802.11n HT40	3	2422	13.5	12.00	10.24	No
	6	2437		12.00	10.61	No
	9	2452		12.00	10.43	No
WiFi 2.4G Core1 Receiver On	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	1	2412	11	12.10	10.23	No
	6	2437		12.10	10.12	No
	11	2462		12.10	**10.25**	Yes
802.11g	1	2412	6	12.00	11.04	No
	6	2437		12.00	11.10	No
	11	2462		12.00	11.13	No
802.11n HT20	1	2412	6.5	12.00	10.78	No
	6	2437		12.00	10.90	No
	11	2462		12.00	11.07	No
802.11n HT40	3	2422	13.5	12.00	10.67	No
	6	2437		12.00	10.56	No
	9	2452		12.00	10.55	No
WiFi 2.4G CDD/MIMO Receiver On	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11g CDD	1	2412	6M	15.00	13.79	No
	6	2437		15.00	14.01	No
	11	2462		15.00	13.82	No
802.11n HT20 MIMO	1	2412	MCS8	15.00	13.47	No
	6	2437		15.00	13.84	No
	11	2462		15.00	13.71	No
802.11n HT40 MIMO	3	2422	MCS8	15.00	13.47	No
	6	2437		15.00	13.60	No
	9	2452		15.00	13.50	No

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Conducted Power of WiFi 2.4G Receiver On (MCC of CE country)				
WiFi 2.4G Core0 Receiver On	Average Power (dBm) for Data Rates (Mbps)			
	Channel	1	11	Tune up
802.11b	1	15.41	15.35	17.10
	5	15.94	15.86	17.10
	6	15.11	14.92	17.00
	7	15.04	14.87	17.00
	8	15.65	15.49	17.10
	13	15.95	16.01	17.10
802.11g	Channel	6	54	Tune up
	1	15.34	14.76	17.00
	7	15.28	14.74	17.00
	13	15.64	15.19	17.00
802.11n HT20	Channel	6.5	65	Tune up
	1	15.18	14.61	17.00
	7	15.14	14.67	17.00
	13	15.53	14.99	17.00
802.11n HT40	Channel	13.5	135	Tune up
	3	15.28	14.82	17.00
	7	15.34	14.91	17.00
	11	15.31	14.95	17.00
WiFi 2.4G Core1 Receiver On	Average Power (dBm) for Data Rates (Mbps)			
	Channel	1	11	Tune up
802.11b	1	15.45	15.22	17.10
	5	16.21	15.88	17.10
	6	15.23	15.38	17.00
	7	15.16	15.03	17.00
	8	15.38	15.19	17.10
	13	15.64	15.62	17.10
802.11g	Channel	6	54	Tune up
	1	15.77	15.25	17.00
	7	15.82	15.04	17.00
	13	15.68	15.43	17.00
802.11n HT20	Channel	6.5	65	Tune up
	1	15.45	15.23	17.00
	7	15.58	15.21	17.00
	13	15.57	15.28	17.00
802.11n HT40	Channel	13.5	135	Tune up
	3	15.64	15.14	17.00
	7	15.49	15.11	17.00
	11	15.34	15.08	17.00
WiFi 2.4G CDD/MIMO Receiver On	Channel	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11g CDD	1	6M	20.00	18.57
	7		20.00	18.57
	13		20.00	18.67

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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center EEC Laboratory
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

802.11n HT20 MIMO	1	MCS8	20.00	18.33
	7		20.00	18.38
	13		20.00	18.56
802.11n HT40 MIMO	3	MCS8	20.00	18.47
	7		20.00	18.43
	11		20.00	18.34

WiFi 5G Full Power	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	12.00	10.83	No
		40	5200		17.50	16.37	No
		44	5220		17.50	16.48	No
		48	5240		17.50	**16.59**	Yes
	U-NII-2A	52	5260		17.50	16.64	No
		56	5280		17.50	16.66	No
		60	5300		17.50	**16.67**	Yes
		64	5320		12.00	11.76	No
	U-NII-2C	100	5500		12.00	11.62	No
		104	5520		17.50	**16.78**	Yes
		108	5540		17.50	16.65	No
		112	5560		17.50	16.52	No
		116	5580		17.50	16.33	No
		120	5600		17.50	16.13	No
		124	5620		17.50	15.91	No
		128	5640		17.50	15.71	No
		132	5660		17.50	16.06	No
		136	5680		17.50	15.94	No
		140	5700		12.00	11.08	No
		144	5720		17.50	15.83	No
	U-NII-3	149	5745		12.00	11.25	No
		153	5765		17.50	15.96	No
		157	5785		17.50	16.02	No
		161	5805		17.50	**16.06**	Yes
		165	5825		12.00	11.08	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	12.00	10.73	No
		40	5200		16.50	15.46	No
		44	5220		16.50	15.58	No
		48	5240		16.50	15.65	No
	U-NII-2A	52	5260		16.50	15.72	No
		56	5280		16.50	15.73	No
		60	5300		16.50	15.74	No
		64	5320		12.00	11.67	No
	U-NII-	100	5500		12.00	11.53	No

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	2C	104	5520		16.50	15.91	No
		108	5540		16.50	15.79	No
		112	5560		16.50	15.62	No
		116	5580		16.50	15.41	No
		120	5600		16.50	15.19	No
		124	5620		16.50	14.95	No
		128	5640		16.50	14.75	No
		132	5660		16.50	15.09	No
		136	5680		16.50	14.96	No
		140	5700		12.00	10.93	No
		144	5720		16.50	14.91	No
	U-NII-3	149	5745		12.00	11.25	No
		153	5765		16.50	15.02	No
		157	5785		16.50	15.08	No
		161	5805		16.50	15.11	No
		165	5825		12.00	10.97	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	12.00	11.11	No
		46	5230		16.50	15.44	No
	U-NII-2A	54	5270		16.50	15.52	No
		62	5310		12.00	11.43	No
	U-NII-2C	102	5510		12.00	11.69	No
		110	5550		16.50	15.53	No
		118	5590		16.50	15.11	No
		126	5630		16.50	14.67	No
		134	5670		12.00	10.64	No
		142	5710		16.50	14.67	No
	U-NII-3	151	5755		12.00	11.03	No
		159	5795		12.00	11.12	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	12.00	10.57	No
		40	5200		16.50	15.46	No
		44	5220		16.50	15.58	No
		48	5240		16.50	15.65	No
	U-NII-2A	52	5260		16.50	15.70	No
		56	5280		16.50	15.72	No
		60	5300		16.50	15.74	No
		64	5320		12.00	11.15	No
	U-NII-2C	100	5500		12.00	11.42	No
		104	5520		16.50	15.87	No
		108	5540		16.50	15.78	No
		112	5560		16.50	15.61	No
		116	5580		16.50	15.41	No

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		120	5600		16.50	15.22	No
		124	5620		16.50	14.96	No
		128	5640		16.50	14.76	No
		132	5660		16.50	15.10	No
		136	5680		16.50	15.01	No
		140	5700		12.00	10.83	No
		144	5720		16.50	14.91	No
	U-NII-3	149	5745		12.00	11.03	No
		153	5765		16.50	15.03	No
		157	5785		16.50	15.08	No
		161	5805		16.50	15.11	No
		165	5825		12.00	10.74	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	12.00	11.09	No
		46	5230		16.50	15.43	No
	U-NII-2A	54	5270		16.50	15.51	No
		62	5310		12.00	11.42	No
	U-NII-2C	102	5510		12.00	11.76	No
		110	5550		16.50	15.64	No
		118	5590		16.50	15.12	No
		126	5630		16.50	14.66	No
		134	5670		12.00	10.62	No
		142	5710		16.50	14.64	No
	U-NII-3	151	5755		12.00	11.02	No
		159	5795		12.00	11.13	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	12.00	11.15	No
	U-NII-2A	58	5290		12.00	11.43	No
	U-NII-2C	106	5530		12.00	11.56	No
		122	5610		12.00	10.71	No
		138	5690		16.50	14.72	No
	U-NII-3	155	5775		12.00	11.02	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M	/	50	5250	MCS0	11.50	10.33	No
	/	114	5570		11.50	10.21	No

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Conducted Power of WiFi 5G Receiver On (MCC of FCC country)							
WiFi 5G Receiver On	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	12.00	10.81	No
		40	5200		12.60	11.51	No
		44	5220		12.60	11.67	No
		48	5240		12.60	11.77	No
	U-NII-2A	52	5260		12.60	11.91	No
		56	5280		12.60	12.00	No
		60	5300		12.60	**12.08**	Yes
		64	5320		12.00	11.72	No
	U-NII-2C	100	5500		12.00	11.57	No
		104	5520		12.60	**12.08**	Yes
		108	5540		12.60	12.01	No
		112	5560		12.60	11.98	No
		116	5580		12.60	11.88	No
		120	5600		12.60	11.73	No
		124	5620		12.60	11.67	No
		128	5640		12.60	11.54	No
		132	5660		12.60	11.90	No
		136	5680		12.60	11.81	No
		140	5700		12.00	11.07	No
		144	5720		12.60	11.59	No
	U-NII-3	149	5745		12.00	11.44	No
		153	5765		12.60	11.81	No
		157	5785		12.60	**12.00**	Yes
		161	5805		12.60	11.68	No
		165	5825		12.00	11.16	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	12.00	10.89	No
		40	5200		12.50	11.45	No
		44	5220		12.50	11.83	No
		48	5240		12.50	11.66	No
	U-NII-2A	52	5260		12.50	11.94	No
		56	5280		12.50	11.92	No
		60	5300		12.50	12.03	No
		64	5320		12.00	11.75	No
	U-NII-2C	100	5500		12.00	11.58	No
		104	5520		12.50	11.99	No
		108	5540		12.50	11.93	No
		112	5560		12.50	11.88	No
		116	5580		12.50	11.77	No
		120	5600		12.50	11.64	No

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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		124	5620		12.50	11.57	No
		128	5640		12.50	11.45	No
		132	5660		12.50	11.85	No
		136	5680		12.50	11.74	No
		140	5700		12.00	11.10	No
		144	5720		12.50	11.48	No
	U-NII-3	149	5745		12.00	11.38	No
		153	5765		12.50	11.72	No
		157	5785		12.50	11.67	No
		161	5805		12.50	11.56	No
		165	5825		12.00	11.09	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	12.00	10.89	No
		46	5230		12.50	11.68	No
	U-NII-2A	54	5270		12.50	11.89	No
		62	5310		12.00	11.63	No
	U-NII-2C	102	5510		12.00	11.97	No
		110	5550		12.50	11.80	No
		118	5590		12.50	11.58	No
		126	5630		12.50	11.57	No
		134	5670		12.50	11.25	No
		142	5710		12.00	11.61	No
	U-NII-3	151	5755		12.00	11.28	No
		159	5795		12.00	11.13	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	12.00	10.87	No
		40	5200		12.50	11.42	No
		44	5220		12.50	11.54	No
		48	5240		12.50	11.68	No
	U-NII-2A	52	5260		12.50	11.83	No
		56	5280		12.50	11.91	No
		60	5300		12.50	12.03	No
		64	5320		12.00	11.65	No
	U-NII-2C	100	5500		12.00	11.54	No
		104	5520		12.50	11.97	No
		108	5540		12.50	11.95	No
		112	5560		12.50	11.83	No
		116	5580		12.50	11.75	No
		120	5600		12.50	11.67	No
		124	5620		12.50	11.53	No
		128	5640		12.50	11.46	No
		132	5660		12.50	11.83	No
		136	5680		12.50	11.73	No

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		140	5700		12.00	11.20	No
		144	5720		12.50	11.48	No
	U-NII-3	149	5745		12.00	11.28	No
		153	5765		12.50	11.69	No
		157	5785		12.50	11.66	No
		161	5805		12.50	11.53	No
		165	5825		12.00	11.09	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	12.00	10.85	No
		46	5230		12.50	11.70	No
	U-NII-2A	54	5270		12.50	11.91	No
		62	5310		12.00	11.68	No
	U-NII-2C	102	5510		12.00	11.72	No
		110	5550		12.50	12.04	No
		118	5590		12.50	11.87	No
		126	5630		12.50	11.55	No
		134	5670		12.50	11.23	No
		142	5710		12.00	11.59	No
	U-NII-3	151	5755		12.00	11.29	No
		159	5795		12.00	11.17	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	12.00	10.97	No
	U-NII-2A	58	5290		12.00	11.53	No
	U-NII-2C	106	5530		12.00	11.39	No
		122	5610		12.00	11.08	No
		138	5690		12.50	11.66	No
	U-NII-3	155	5775		12.00	11.19	No
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 160M	/	50	5250	MCS0	11.50	10.28	No
	/	114	5570		11.50	10.29	No

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Conducted Power of WiFi 5G Receiver On (MCC of CE country)				
WiFi 5G Receiver On	Average Power (dBm) for Data Rates (Mbps)			
	Channel	Frequency (MHz)	6	Tune up
802.11a	36	5180	13.17	14.60
	52	5260	13.63	14.60
	64	5320	14.02	14.60
	100	5500	13.96	14.60
	120	5600	13.56	14.60
	140	5700	13.48	14.60
	149	5745	11.28	12.00
	157	5785	11.09	12.00
	165	5825	11.05	12.00
5GHz	Channel	Frequency (MHz)	MCS0	Tune up
802.11n-HT20	36	5180	13.13	14.50
	52	5260	13.54	14.50
	64	5320	13.94	14.50
	100	5500	13.92	14.50
	120	5600	13.48	14.50
	140	5700	13.43	14.50
	149	5745	11.21	12.00
	157	5785	11.07	12.00
	165	5825	10.94	12.00
5GHz	Channel	Frequency (MHz)	MCS0	Tune up
802.11n-HT40	38	5190	13.12	14.50
	54	5270	13.58	14.50
	62	5310	13.87	14.50
	102	5510	13.86	14.50
	118	5590	13.53	14.50
	134	5670	13.51	14.50
	151	5755	11.19	12.00
	159	5795	11.07	12.00
5GHz	Channel	Frequency (MHz)	MCS0	Tune up
802.11ac 20M	36	5180	13.12	14.50
	52	5260	13.54	14.50
	64	5320	13.95	14.50
	100	5500	13.91	14.50
	120	5600	13.49	14.50
	140	5700	13.42	14.50
	149	5745	11.17	12.00
	157	5785	11.06	12.00
	165	5825	10.97	12.00
5GHz	Channel	Frequency (MHz)	MCS0	Tune up
802.11ac 40M	38	5190	13.09	14.50
	54	5270	13.61	14.50
	62	5310	13.81	14.50

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	102	5510	13.87	14.50
	118	5590	13.53	14.50
	134	5670	13.54	14.50
	151	5755	11.21	12.00
	159	5795	11.05	12.00
5GHz	Channel	Frequency (MHz)	MCS0	Tune up
802.11ac 80M	42	5210	13.17	14.50
	58	5290	13.68	14.50
	106	5530	13.73	14.50
	122	5610	13.38	14.50
	138	5690	13.34	14.50
	155	5775	11.11	12.00
5GHz	Channel	Frequency (MHz)	MCS0	Tune up
802.11ac 160M	50	5250	10.28	11.50
	114	5570	10.39	16.50

Table 18：Conducted Power of WiFi

Note:
a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.

b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.
2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.

c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.

d)The MCC should be set to the FCC mobile country code. WiFi SAR Test should be evaluated at the power level of FCC mobile country code for each exposure conditions.

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BT High Power			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	17.00	14.49
	2	2404	17.00	15.21
	4	2406	17.00	15.67
GFSK	5	2407	17.50	**15.83**
	27	2429	17.50	15.12
	50	2452	17.50	14.81
GFSK	51	2453	17.00	14.72
	60	2462	17.00	14.20
	70	2472	17.00	14.60
GFSK	71	2473	16.00	14.52
	75	2477	16.00	14.15
	78	2480	16.00	14.23
π/4DQPSK	0	2402	15.20	12.61
	2	2404	15.20	13.33
	4	2406	15.20	13.84
π/4DQPSK	5	2407	15.70	14.00
	27	2429	15.70	13.18
	50	2452	15.70	12.98
π/4DQPSK	51	2453	15.20	12.90
	60	2462	15.20	12.38
	70	2472	15.20	12.79
π/4DQPSK	71	2473	14.20	12.71
	75	2477	14.20	12.30
	78	2480	14.20	11.47
8DPSK	0	2402	15.20	12.61
	2	2404	15.20	13.34
	4	2406	15.20	13.83
8DPSK	5	2407	15.70	13.98
	27	2429	15.70	13.21
	50	2452	15.70	12.98
8DPSK	51	2453	15.20	12.91
	60	2462	15.20	12.79
	70	2472	15.20	12.67
8DPSK	71	2473	14.20	12.70
	75	2477	14.20	12.31
	78	2480	14.20	11.49

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BT Normal Power			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	11.00	9.25
	5	2407	11.00	9.08
	10	2412	11.00	9.52
GFSK	11	2413	10.50	9.16
	20	2422	10.50	8.73
	30	2432	10.50	9.67
GFSK	31	2433	11.00	9.24
	40	2442	11.00	**9.68**
	50	2452	11.00	9.43
GFSK	51	2453	10.50	9.34
	64	2466	10.50	9.47
	78	2480	10.50	9.12
π/4DQPSK	0	2402	9.00	7.89
	5	2407	9.00	7.42
	10	2412	9.00	7.58
π/4DQPSK	11	2413	8.50	7.28
	20	2422	8.50	7.93
	30	2432	8.50	7.71
π/4DQPSK	31	2433	9.00	7.29
	40	2442	9.00	7.69
	50	2452	9.00	7.54
π/4DQPSK	51	2453	8.50	7.35
	64	2466	8.50	7.44
	78	2480	8.50	8.04
8DPSK	0	2402	9.00	7.81
	5	2407	9.00	7.53
	10	2412	9.00	7.73
8DPSK	11	2413	8.50	7.23
	20	2422	8.50	6.93
	30	2432	8.50	7.62
8DPSK	31	2433	9.00	7.61
	40	2442	9.00	7.42
	50	2452	9.00	7.44
8DPSK	51	2453	8.50	7.33
	64	2466	8.50	7.42
	78	2480	8.50	7.34

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BLE 4.0			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	8.50	4.57
	3	2408	8.50	4.88
	5	2412	8.50	4.88
	6	2414	8.00	5.12
	19	2440	8.00	4.78
	31	2464	8.00	4.69
	32	2466	8.00	4.58
	35	2472	8.50	5.67
	39	2480	8.50	5.54

Table 19：Conducted Power of BT

normal BLE_UHD			Average Conducted Power(dBm)	Tune up (dBm)
Modulation	Channel	Frequency(MHz)		
1M GFSK	0	2404	6.87	9.00
	5	2414	6.94	9.00
	9	2422	6.79	9.00
1M GFSK	10	2424	7.33	9.50
	15	2434	7.29	9.50
	19	2442	7.06	9.50
1M GFSK	20	2444	6.72	9.00
	29	2462	6.81	9.00
	37	2478	6.66	9.00
2M GFSK	0	2404	6.63	9.00
	5	2414	6.69	9.00
	9	2422	6.85	9.00
2M GFSK	10	2424	7.07	9.50
	15	2434	7.09	9.50
	19	2442	7.03	9.50
2M GFSK	20	2444	6.75	9.00
	29	2462	6.66	9.00
	37	2478	6.73	9.00
2M	0	2404	6.91	9.50
	5	2414	6.89	9.50
	9	2422	6.79	9.50
2M	10	2424	7.22	10.00
	15	2434	7.31	10.00
	19	2442	7.35	10.00
2M	20	2444	7.18	9.80
	29	2462	7.09	9.80
	37	2478	7.13	9.80
4M	0	2404	7.61	9.00
	4	2412	7.66	9.00
	8	2420	7.59	9.00

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4M	10	2424	7.35	9.50
	16	2436	7.12	9.50
	18	2440	7.21	9.50
4M	20	2444	7.19	9.30
	28	2460	7.05	9.30
	36	2476	7.27	9.30
2M 8DPSK	0	2404	7.59	9.50
	5	2414	7.43	9.50
	9	2422	7.59	9.50
2M 8DPSK	10	2424	7.81	10.00
	15	2434	7.73	10.00
	19	2442	7.75	10.00
2M 8DPSK	20	2444	7.62	9.80
	29	2462	7.56	9.80
	37	2478	7.46	9.80

Table 20：Conducted Power of BT(normal Power BLE_UHD).

High Power BLE_UHD			Average Conducted Power(dBm)	Tune up (dBm)
Modulation	Channel	Frequency(MHz)		
1M GFSK	0	2404	12.43	16.00
	5	2414	12.39	16.00
	9	2422	12.56	16.00
1M GFSK	10	2424	12.99	16.50
	15	2434	12.92	16.50
	19	2442	12.83	16.50
1M GFSK	20	2444	11.29	15.00
	29	2462	11.21	15.00
	37	2478	11.36	15.00
2M GFSK	0	2404	12.21	15.80
	5	2414	12.23	15.80
	9	2422	12.30	15.80
2M GFSK	10	2424	12.73	16.30
	15	2434	12.69	16.30
	19	2442	12.76	16.30
2M GFSK	20	2444	11.11	14.60
	29	2462	11.28	14.60
	37	2478	11.26	14.60
2M	0	2404	13.01	16.50
	5	2414	12.98	16.50
	9	2422	13.09	16.50
2M	10	2424	13.25	16.70
	15	2434	13.19	16.70
	19	2442	13.22	16.70
2M	20	2444	11.75	15.50
	29	2462	11.69	15.50
	37	2478	11.83	15.50
4M	0	2404	13.06	16.50
	4	2412	13.11	16.50
	8	2420	13.12	16.50

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4M	10	2424	13.29	16.70
	16	2436	13.38	16.70
	18	2440	13.26	16.70
4M	20	2444	12.05	15.50
	28	2460	12.13	15.50
	36	2476	12.19	15.50
2M 8DPSK	0	2404	12.15	15.60
	5	2414	12.21	15.60
	9	2422	12.27	15.60
2M 8DPSK	10	2424	12.92	16.10
	15	2434	12.83	16.10
	19	2442	12.85	16.10
2M 8DPSK	20	2444	11.13	14.40
	29	2462	11.22	14.40
	37	2478	11.26	14.40

Table 21：Conducted Power of BT(High Power BLE_UHD).

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 mode.

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8.2 Stand-alone SAR test evaluation

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and Product specific 10g SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.

Freq. Band	Frequency (GHz)	Position	Average Power		Test Separation (mm)	Calculate Value	Exclusion Threshold	Exclusion (Y/N)
			dBm	mW				
Wi-Fi	2.45	Head	12.1	16.2	0	5.1	3	N
		Body-worn	19.0	79.4	15	8.3	3	N
		Hotspot	19.0	79.4	10	12.4	3	N
Wi-Fi	5.825	Head	12.6	18.2	0	8.1	3	N
		Body-worn	17.5	56.2	15	8.4	3	N
		Hotspot	17.5	56.2	10	12.6	3	N
Bluetooth	2.48	Head	11.0	12.59	0	4.0	3	N
		Body-worn	17.5	56.2	15	5.9	3	N
		Hotspot	17.5	56.2	10	8.9	3	N

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

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

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

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8.3 Measurement of SAR Data

8.3.1 SAR Result of GSM850

Ant 1 Test Record										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg)1-g**	**Power Drift(dB)**	**Conducted Power(dBm)**	**Tune up Limit(dBm)**	**Scaled factor**	**Scaled SAR(W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	GSM	190/836.6	1:8.3	0.044	0.01	32.06	33.20	1.300	0.057	22.1
Left tilted	GSM	190/836.6	1:8.3	0.023	0.05	32.06	33.20	1.300	0.029	22.1
Right cheek	GSM	190/836.6	1:8.3	**0.052**	-0.07	32.06	33.20	1.300	**0.068**	22.1
Right tilted	GSM	190/836.6	1:8.3	0.018	-0.07	32.06	33.20	1.300	0.023	22.1
Head Test Data at the worst case with SIM 2										
Right cheek	GSM	190/836.6	1:8.3	0.049	0.04	32.06	33.20	1.300	0.064	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	GSM	190/836.6	1:8.3	0.052	0.08	32.06	33.20	1.300	0.067	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.156	0.04	32.06	33.20	1.300	0.203	22.1
Back side	GSM	190/836.6	1:8.3	**0.191**	0.10	32.06	33.20	1.300	**0.248**	22.1
Front side	GPRS 4TS	190/836.6	1:2.075	0.125	0.08	25.78	27.20	1.387	0.173	22.1
Back side	GPRS 4TS	190/836.6	1:2.075	0.159	0.03	25.78	27.20	1.387	0.220	22.1
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	GSM	190/836.6	1:8.3	0.179	0.06	32.06	33.20	1.300	0.233	22.1
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	GSM	190/836.6	1:8.3	0.175	-0.04	32.06	33.20	1.300	0.228	22.1
Hotspot Test data(Separate 10mm)										
Front side	GPRS 4TS	190/836.6	1:2.075	0.222	0.14	25.78	27.20	1.387	0.308	22.1
Back side	GPRS 4TS	190/836.6	1:2.075	**0.297**	-0.05	25.78	27.20	1.387	**0.412**	22.1
Left side	GPRS 4TS	190/836.6	1:2.075	0.238	0.12	25.78	27.20	1.387	0.330	22.1
Right side	GPRS 4TS	190/836.6	1:2.075	0.053	0.03	25.78	27.20	1.387	0.073	22.1
Bottom side	GPRS 4TS	190/836.6	1:2.075	0.167	-0.05	25.78	27.20	1.387	0.232	22.1
BodyTest Data at the worst case with SIM 2 (Separate 10mm)										
Back side	GPRS 4TS	190/836.6	1:2.075	0.286	0.07	25.78	27.20	1.387	0.397	22.1
Body Test Data at the worst case with Battery 2#(10mm)										
Back side	GPRS 4TS	190/836.6	1:2.075	0.274	0.16	25.78	27.20	1.387	0.380	22.1

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Ant 2 Test Record										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	190/836.6	1:8.3	0.485	0.05	29.55	31.00	1.396	0.677	22.1
Left tilted	GSM	190/836.6	1:8.3	0.455	0.04	29.55	31.00	1.396	0.635	22.1
Right cheek	GSM	190/836.6	1:8.3	**0.518**	0.04	29.55	31.00	1.396	**0.723**	22.1
Right tilted	GSM	190/836.6	1:8.3	0.501	0.07	29.55	31.00	1.396	0.700	22.1
Head Test Data at the worst case with SIM 2										
Right cheek	GSM	190/836.6	1:8.3	0.504	0.06	29.55	31.00	1.396	0.704	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	GSM	190/836.6	1:8.3	0.502	0.02	29.55	31.00	1.396	0.701	22.1
Body worn Test data(Separate 15mm)										
Front side	GSM	190/836.6	1:8.3	0.076	0.05	33.21	34.20	1.256	0.096	22.1
Back side	GSM	190/836.6	1:8.3	0.097	0.11	33.21	34.20	1.256	0.121	22.1
Front side	GPRS 4TS	190/836.6	1:2.075	0.130	0.08	26.26	28.20	1.563	0.203	22.1
Back side	GPRS 4TS	190/836.6	1:2.075	**0.157**	-0.18	26.26	28.20	1.563	**0.245**	22.1
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	GPRS 4TS	190/836.6	1:2.075	0.156	0.01	26.26	28.20	1.563	0.244	22.1
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	GPRS 4TS	190/836.6	1:2.075	0.156	0.01	26.26	28.20	1.563	0.244	22.1
Hotspot Test data(Separate 10mm)										
Front side	GPRS 4TS	190/836.6	1:2.075	0.307	-0.17	26.26	28.20	1.563	0.480	22.1
Back side	GPRS 4TS	190/836.6	1:2.075	0.349	0.03	26.26	28.20	1.563	0.546	22.1
Left side	GPRS 4TS	190/836.6	1:2.075	**0.352**	-0.03	26.26	28.20	1.563	**0.550**	22.1
Top side	GPRS 4TS	190/836.6	1:2.075	0.299	-0.03	26.26	28.20	1.563	0.467	22.1
BodyTest Data at the worst case with SIM 2 (Separate 10mm)(5G WIFI)										
Back side	GPRS 4TS	190/836.6	1:2.075	0.329	-0.06	26.26	28.20	1.563	0.514	22.1
Body Test Data at the worst case with Battery 2#(10mm)(5G WIFI)										
Back side	GPRS 4TS	190/836.6	1:2.075	0.336	0.14	26.26	28.20	1.563	0.525	22.1

Table 1： SAR of GSM850 for Head and Body

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8.3.2 SAR Result of GSM1900

Ant 1 Test Record										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	661/1880	1:8.3	**0.086**	0.09	30.18	31.20	1.265	**0.109**	22.3
Left tilted	GSM	661/1880	1:8.3	0.036	0.08	30.18	31.20	1.265	0.045	22.3
Right cheek	GSM	661/1880	1:8.3	0.042	0.04	30.18	31.20	1.265	0.053	22.3
Right tilted	GSM	661/1880	1:8.3	0.044	0.02	30.18	31.20	1.265	0.056	22.3
Head Test Data at the worst case with SIM 2										
Left cheek	GSM	661/1880	1:8.3	0.073	0.04	30.18	31.20	1.265	0.092	22.3
Head Test Data at the worst case with Battery 2#										
Left cheek	GSM	661/1880	1:8.3	0.085	0.01	30.18	31.20	1.265	0.107	22.3
Body worn Test data(Separate 15mm)										
Front side	GSM	661/1880	1:8.3	0.088	0.05	30.18	31.20	1.265	0.111	22.3
Back side	GSM	661/1880	1:8.3	**0.127**	0.05	30.18	31.20	1.265	**0.161**	22.3
Front side	GPRS 4TS	661/1880	1:2.075	0.067	0.10	23.98	25.20	1.324	0.088	22.3
Back side	GPRS 4TS	661/1880	1:2.075	0.106	-0.06	23.98	25.20	1.324	0.140	22.3
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	GSM	661/1880	1:8.3	0.125	0.13	30.18	31.20	1.265	0.158	22.3
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	GSM	661/1880	1:8.3	0.122	0.07	30.18	31.20	1.265	0.154	22.3
Hotspot Test data(Separate 10mm)										
Front side	GPRS 4TS	661/1880	1:2.075	0.127	0.07	23.98	25.20	1.324	0.168	22.3
Back side	GPRS 4TS	661/1880	1:2.075	0.204	-0.05	23.98	25.20	1.324	0.270	22.3
Left side	GPRS 4TS	661/1880	1:2.075	0.064	0.03	23.98	25.20	1.324	0.084	22.3
Right side	GPRS 4TS	661/1880	1:2.075	0.046	-0.02	23.98	25.20	1.324	0.061	22.3
Bottom side	GPRS 4TS	661/1880	1:2.075	**0.357**	-0.05	23.98	25.20	1.324	**0.473**	22.3
Body Test Data at the worst case with SIM 2 (Separate 10mm)										
Bottom side	GPRS 4TS	661/1880	1:2.075	0.341	-0.07	23.98	25.20	1.324	0.452	22.3
Body Test Data at the worst case with Battery 2#(10mm)										
Bottom side	GPRS 4TS	661/1880	1:2.075	0.344	-0.10	23.98	25.20	1.324	0.456	22.3

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Ant 2 Test Record										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	GSM	661/1880	1:8.3	0.143	0.09	28.39	29.20	1.205	0.172	22.3
Left tilted	GSM	661/1880	1:8.3	0.154	0.11	28.39	29.20	1.205	0.186	22.3
Right cheek	GSM	661/1880	1:8.3	0.481	0.01	28.39	29.20	1.205	0.580	22.3
Right tilted	GSM	661/1880	1:8.3	**0.503**	-0.07	28.39	29.20	1.205	**0.606**	22.3
Head Test Data at the worst case with SIM 2										
Right tilted	GSM	661/1880	1:8.3	0.495	0.00	28.39	29.20	1.205	0.596	22.3
Head Test Data at the worst case with Battery 2#										
Right tilted	GSM	661/1880	1:8.3	0.495	-0.06	28.39	29.20	1.205	0.596	22.3
Body worn Test data(Separate 15mm)										
Front side	GSM	661/1880	1:8.3	0.034	0.03	28.39	29.20	1.205	0.041	22.3
Back side	GSM	661/1880	1:8.3	**0.059**	0.12	28.39	29.20	1.205	0.071	22.3
Front side	GPRS 4TS	661/1880	1:2.075	0.033	0.03	22.14	23.20	1.276	0.042	22.3
Back side	GPRS 4TS	661/1880	1:2.075	0.056	0.09	22.14	23.20	1.276	0.071	22.3
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	GPRS 4TS	661/1880	1:2.075	0.058	-0.06	22.14	23.20	1.276	**0.075**	22.3
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	GPRS 4TS	661/1880	1:2.075	0.056	0.19	22.14	23.20	1.276	0.071	22.3
Hotspot Test data(Separate 10mm)										
Front side	GPRS 4TS	661/1880	1:2.075	0.068	0.08	22.14	23.20	1.276	0.086	22.3
Back side	GPRS 4TS	661/1880	1:2.075	0.108	0.10	22.14	23.20	1.276	0.138	22.3
Left side	GPRS 4TS	661/1880	1:2.075	0.104	0.01	22.14	23.20	1.276	0.133	22.3
Top side	GPRS 4TS	661/1880	1:2.075	**0.113**	-0.06	22.14	23.20	1.276	**0.144**	22.3
BodyTest Data at the worst case with SIM 2 (Separate 10mm)										
Top side	GPRS 4TS	661/1880	1:2.075	0.112	-0.06	22.14	23.20	1.276	0.143	22.3
Body Test Data at the worst case with Battery 2#(10mm)										
Top side	GPRS 4TS	661/1880	1:2.075	0.111	-0.06	22.14	23.20	1.276	0.142	22.3

Table 2： SAR of GSM1900 for Head and Body.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8.3.3 SAR Result of WCDMA Band II

Ant 1 Test Record										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	9400/1880	1:1	0.083	0.02	23.31	24.50	1.315	0.109	22.3
Left tilted	RMC	9400/1880	1:1	0.036	0.09	23.31	24.50	1.315	0.048	22.3
Right cheek	RMC	9400/1880	1:1	**0.100**	0.01	23.31	24.50	1.315	**0.131**	22.3
Right tilted	RMC	9400/1880	1:1	0.078	0.14	23.31	24.50	1.315	0.103	22.3
Head Test Data at the worst case with SIM 2										
Right cheek	RMC	9400/1880	1:1	0.099	0.04	23.31	24.50	1.315	0.130	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	9400/1880	1:1	0.098	0.05	23.31	24.50	1.315	0.129	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	9400/1880	1:1	0.105	-0.07	20.87	22.00	1.297	0.136	22.3
Back side	RMC	9400/1880	1:1	**0.155**	0.02	20.87	22.00	1.297	**0.201**	22.3
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	RMC	9400/1880	1:1	0.154	0.08	20.87	22.00	1.297	0.200	22.3
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	9400/1880	1:1	0.150	-0.12	20.87	22.00	1.297	0.195	22.3
Hotspot Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.206	0.07	20.87	22.00	1.297	0.267	22.3
Back side	RMC	9400/1880	1:1	0.262	0.02	20.87	22.00	1.297	0.340	22.3
Left side	RMC	9400/1880	1:1	0.110	0.02	20.87	22.00	1.297	0.143	22.3
Right side	RMC	9400/1880	1:1	0.091	0.03	20.87	22.00	1.297	0.118	22.3
Bottom side	RMC	9400/1880	1:1	**0.414**	-0.03	20.87	22.00	1.297	**0.537**	22.3
BodyTest Data at the worst case with SIM 2 (Separate 10mm)										
Bottom side	RMC	9400/1880	1:1	0.412	-0.02	20.87	22.00	1.297	0.534	22.3
Body Test Data at the worst case with Battery 2#(10mm)										
Bottom side	RMC	9400/1880	1:1	0.413	-0.18	20.87	22.00	1.297	0.536	22.3

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Ant 2 Test Record										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	9400/1880	1:1	0.112	-0.04	18.92	20.00	1.282	0.144	22.3
Left tilted	RMC	9400/1880	1:1	0.158	0.02	18.92	20.00	1.282	0.203	22.3
Right cheek	RMC	9400/1880	1:1	**0.623**	0.01	18.92	20.00	1.282	**0.799**	22.3
Right tilted	RMC	9400/1880	1:1	0.611	0.13	18.92	20.00	1.282	0.784	22.3
Head Test Data at the worst case with SIM 2										
Right cheek	RMC	9400/1880	1:1	0.622	0.01	18.92	20.00	1.282	0.798	22.3
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	9400/1880	1:1	0.620	0.01	18.92	20.00	1.282	0.795	22.3
Body worn Test data(Separate 15mm)										
Front side	RMC	9400/1880	1:1	0.148	0.17	23.44	24.50	1.276	0.189	22.3
Back side	RMC	9400/1880	1:1	**0.181**	0.08	23.44	24.50	1.276	**0.231**	22.3
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	RMC	9400/1880	1:1	0.180	0.01	23.44	24.50	1.276	0.230	22.1
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	9400/1880	1:1	0.180	0.04	23.44	24.50	1.276	0.230	22.1
Hotspot Test data(Separate 10mm)										
Front side	RMC	9400/1880	1:1	0.277	0.16	23.44	24.50	1.276	0.354	22.3
Back side	RMC	9400/1880	1:1	0.380	0.00	23.44	24.50	1.276	0.485	22.3
Left side	RMC	9400/1880	1:1	**0.407**	0.02	23.44	24.50	1.276	**0.520**	22.3
Top side	RMC	9400/1880	1:1	0.334	0.15	23.44	24.50	1.276	0.426	22.3
BodyTest Data at the worst case with SIM 2 (Separate 10mm)										
Left side	RMC	9400/1880	1:1	0.350	0.19	23.44	24.50	1.276	0.447	22.3
Body Test Data at the worst case with Battery 2#(10mm)										
Left side	RMC	9400/1880	1:1	0.349	-0.07	23.44	24.50	1.276	0.445	22.3

Table 3： SAR of WCDMA Band II for Head and Body.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8.3.4 SAR Result of WCDMA Band IV

Ant 1 Test Record										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg)1-g**	**Power Drift(dB)**	**Conducted Power(dBm)**	**Tune up Limit(dBm)**	**Scaled factor**	**Scaled SAR(W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	RMC	1412/1732.4	1:1	**0.170**	0.06	22.89	24.00	1.291	**0.220**	22.2
Left tilted	RMC	1412/1732.4	1:1	0.065	0.09	22.89	24.00	1.291	0.083	22.2
Right cheek	RMC	1412/1732.4	1:1	0.123	-0.05	22.89	24.00	1.291	0.159	22.2
Right tilted	RMC	1412/1732.4	1:1	0.071	-0.03	22.89	24.00	1.291	0.091	22.2
Head Test Data at the worst case with SIM 2										
Left cheek	RMC	1412/1732.4	1:1	0.155	-0.03	22.89	24.00	1.291	0.200	22.2
Head Test Data at the worst case with Battery 2#										
Left cheek	RMC	1412/1732.4	1:1	0.144	0.05	22.89	24.00	1.291	0.186	22.2
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.139	0.03	22.40	23.50	1.288	0.179	22.2
Back side	RMC	1412/1732.4	1:1	**0.165**	-0.14	22.40	23.50	1.288	**0.213**	22.2
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	RMC	1412/1732.4	1:1	0.163	-0.11	22.40	23.50	1.288	0.210	22.2
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	1412/1732.4	1:1	0.161	0.00	22.40	23.50	1.288	0.207	22.2
Hotspot Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.267	0.01	22.40	23.50	1.288	0.344	22.2
Back side	RMC	1412/1732.4	1:1	0.320	-0.02	22.40	23.50	1.288	0.412	22.2
Left side	RMC	1412/1732.4	1:1	0.206	0.07	22.40	23.50	1.288	0.265	22.2
Right side	RMC	1412/1732.4	1:1	0.105	0.13	22.40	23.50	1.288	0.135	22.2
Bottom side	RMC	1412/1732.4	1:1	**0.572**	0.04	22.40	23.50	1.288	**0.737**	22.2
BodyTest Data at the worst case with SIM 2 (Separate 10mm)										
Bottom side	RMC	1412/1732.4	1:1	0.553	0.04	22.40	23.50	1.288	0.712	22.2
Body Test Data at the worst case with Battery 2#(10mm)										
Bottom side	RMC	1412/1732.4	1:1	0.554	-0.02	22.40	23.50	1.288	0.714	22.2

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Ant 2 Test Record										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	1412/1732.4	1:1	0.249	0.12	18.37	19.50	1.297	0.323	22.2
Left tilted	RMC	1412/1732.4	1:1	0.178	0.00	18.37	19.50	1.297	0.231	22.2
Right cheek	RMC	1412/1732.4	1:1	**0.609**	-0.10	18.37	19.50	1.297	**0.790**	22.2
Right tilted	RMC	1412/1732.4	1:1	0.522	0.04	18.37	19.50	1.297	0.677	22.2
Head Test Data at the worst case with SIM 2										
Right cheek	RMC	1412/1732.4	1:1	0.590	-0.04	18.37	19.50	1.297	0.765	22.2
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	1412/1732.4	1:1	0.562	0.01	18.37	19.50	1.297	0.729	22.2
Body worn Test data(Separate 15mm)										
Front side	RMC	1412/1732.4	1:1	0.198	-0.18	22.91	24.00	1.285	0.254	22.2
Back side	RMC	1412/1732.4	1:1	**0.208**	-0.12	22.91	24.00	1.285	**0.267**	22.2
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	RMC	1412/1732.4	1:1	0.203	-0.18	22.91	24.00	1.285	0.261	22.2
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	1412/1732.4	1:1	0.194	0.02	22.91	24.00	1.285	0.249	22.2
Hotspot Test data(Separate 10mm)										
Front side	RMC	1412/1732.4	1:1	0.285	0.01	22.91	24.00	1.285	0.366	22.2
Back side	RMC	1412/1732.4	1:1	0.355	-0.09	22.91	24.00	1.285	0.456	22.2
Left side	RMC	1412/1732.4	1:1	**0.483**	0.02	22.91	24.00	1.285	**0.621**	22.2
Top side	RMC	1412/1732.4	1:1	0.301	-0.09	22.91	24.00	1.285	0.387	22.2
BodyTest Data at the worst case with SIM 2 (Separate 10mm)										
Left side	RMC	1412/1732.4	1:1	0.476	0.08	22.91	24.00	1.285	0.612	22.2
Body Test Data at the worst case with Battery 2#(10mm)										
Left side	RMC	1412/1732.4	1:1	0.460	0.04	22.91	24.00	1.285	0.591	22.2

Table 4： SAR of WCDMA Band IV for Head and Body.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8.3.5 SAR Result of WCDMA Band V

Ant 1 Test Record										
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg)1-g**	**Power Drift(dB)**	**Conducted Power(dBm)**	**Tune up Limit(dBm)**	**Scaled factor**	**Scaled SAR(W/kg)**	**Liquid Temp**
Head Test data										
Left cheek	RMC	4182/836.4	1:1	0.061	0.04	23.99	25.00	1.262	0.077	22.1
Left tilted	RMC	4182/836.4	1:1	0.037	0.02	23.99	25.00	1.262	0.046	22.1
Right cheek	RMC	4182/836.4	1:1	**0.078**	0.07	23.99	25.00	1.262	**0.098**	22.1
Right tilted	RMC	4182/836.4	1:1	0.028	0.04	23.99	25.00	1.262	0.035	22.1
Head Test Data at the worst case with SIM 2										
Right cheek	RMC	4182/836.4	1:1	0.073	0.07	23.99	25.00	1.262	0.092	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	4182/836.4	1:1	0.074	0.05	23.99	25.00	1.262	0.093	22.1
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.233	0.00	23.99	25.00	1.262	0.294	22.1
Back side	RMC	4182/836.4	1:1	**0.281**	0.00	23.99	25.00	1.262	**0.355**	22.1
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	RMC	4182/836.4	1:1	0.274	0.06	23.99	25.00	1.262	0.346	22.1
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	4182/836.4	1:1	0.272	0.17	23.99	25.00	1.262	0.343	22.1
Hotspot Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.402	0.03	23.99	25.00	1.262	0.507	22.1
Back side	RMC	4182/836.4	1:1	**0.482**	0.02	23.99	25.00	1.262	**0.608**	22.1
Left side	RMC	4182/836.4	1:1	0.332	0.17	23.99	25.00	1.262	0.419	22.1
Right side	RMC	4182/836.4	1:1	0.087	0.05	23.99	25.00	1.262	0.110	22.1
Bottom side	RMC	4182/836.4	1:1	0.279	0.14	23.99	25.00	1.262	0.352	22.1
BodyTest Data at the worst case with SIM 2 (Separate 10mm)										
Back side	RMC	4182/836.4	1:1	0.461	0.07	23.99	25.00	1.262	0.582	22.1
Body Test Data at the worst case with Battery 2#(10mm)										
Back side	RMC	4182/836.4	1:1	0.452	0.06	23.99	25.00	1.262	0.570	22.1

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Ant 2 Test Record										
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp
Head Test data										
Left cheek	RMC	4182/836.4	1:1	0.548	0.07	21.02	22.00	1.253	0.687	22.1
Left tilted	RMC	4182/836.4	1:1	0.489	0.04	21.02	22.00	1.253	0.613	22.1
Right cheek	RMC	4182/836.4	1:1	0.586	-0.03	21.02	22.00	1.253	0.734	22.1
Right tilted	RMC	4182/836.4	1:1	0.548	-0.14	21.02	22.00	1.253	0.687	22.1
Head Test Data at the worst case with SIM 2										
Right cheek	RMC	4182/836.4	1:1	0.601	0.00	21.02	22.00	1.253	0.753	22.1
Head Test Data at the worst case with Battery 2#										
Right cheek	RMC	4182/836.4	1:1	**0.606**	0.12	21.02	22.00	1.253	**0.759**	22.1
Body worn Test data(Separate 15mm)										
Front side	RMC	4182/836.4	1:1	0.173	0.01	24.05	25.00	1.245	0.215	22.1
Back side	RMC	4182/836.4	1:1	**0.235**	0.01	24.05	25.00	1.245	**0.292**	22.1
BodyTest Data at the worst case with SIM 2 (Separate 15mm)										
Back side	RMC	4182/836.4	1:1	0.228	0.09	24.05	25.00	1.245	0.284	22.1
Body Test Data at the worst case with Battery 2#(Separate 15mm)										
Back side	RMC	4182/836.4	1:1	0.223	0.13	24.05	25.00	1.245	0.278	22.1
Hotspot Test data(Separate 10mm)										
Front side	RMC	4182/836.4	1:1	0.369	-0.01	24.05	25.00	1.245	0.459	22.1
Back side	RMC	4182/836.4	1:1	**0.493**	-0.07	24.05	25.00	1.245	**0.614**	22.1
Left side	RMC	4182/836.4	1:1	0.430	0.06	24.05	25.00	1.245	0.535	22.1
Top side	RMC	4182/836.4	1:1	0.403	-0.03	24.05	25.00	1.245	0.502	22.1
BodyTest Data at the worst case with SIM 2 (Separate 10mm)(5G WIFI)										
Back side	RMC	4182/836.4	1:1	0.477	0.00	24.05	25.00	1.245	0.594	22.1
Body Test Data at the worst case with Battery 2#(10mm)(5G WIFI)										
Back side	RMC	4182/836.4	1:1	0.480	0.01	24.05	25.00	1.245	0.597	22.1

Table 5： SAR of WCDMA Band V for Head and Body.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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SGS-CSTC Standards Technical Services Co.,Ltd. Shenzhen Branch
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

8.3.6 SAR Result of LTE Band 2

Ant 1 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_0	18700/1860	1:1	**0.154**	0.03	23.18	24.00	1.208	**0.186**	22.3
Left tilted	20	QPSK 1RB_0	18700/1860	1:1	0.070	0.00	23.18	24.00	1.208	0.085	22.3
Right cheek	20	QPSK 1RB_0	18700/1860	1:1	0.113	0.09	23.18	24.00	1.208	0.136	22.3
Right tilted	20	QPSK 1RB_0	18700/1860	1:1	0.064	0.04	23.18	24.00	1.208	0.078	22.3
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	19100/1900	1:1	0.140	-0.08	22.15	23.00	1.216	0.170	22.3
Left tilted	20	QPSK 50RB_0	19100/1900	1:1	0.067	-0.07	22.15	23.00	1.216	0.082	22.3
Right cheek	20	QPSK 50RB_0	19100/1900	1:1	0.103	0.05	22.15	23.00	1.216	0.125	22.3
Right tilted	20	QPSK 50RB_0	19100/1900	1:1	0.056	-0.03	22.15	23.00	1.216	0.068	22.3
Head Test Data at the worst case with SIM 2											
Left cheek	20	QPSK 1RB_0	18700/1860	1:1	0.136	0.05	23.18	24.00	1.208	0.164	22.3
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK 1RB_0	18700/1860	1:1	0.143	0.08	23.18	24.00	1.208	0.173	22.3
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_0	18700/1860	1:1	0.186	-0.05	23.18	24.00	1.208	0.225	22.3
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.227	-0.08	23.18	24.00	1.208	0.274	22.3
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	19100/1900	1:1	0.162	-0.02	22.15	23.00	1.216	0.197	22.3
Back side	20	QPSK 50RB_0	19100/1900	1:1	0.189	-0.09	22.15	23.00	1.216	0.230	22.3
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.225	0.02	23.18	24.00	1.208	0.272	22.3
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_0	18700/1860	1:1	**0.236**	-0.08	23.18	24.00	1.208	**0.285**	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_0	18700/1860	1:1	0.360	0.09	23.18	24.00	1.208	0.435	22.3
Back side	20	QPSK 1RB_0	18700/1860	1:1	0.462	-0.01	23.18	24.00	1.208	0.558	22.3
Left side	20	QPSK 1RB_0	18700/1860	1:1	0.208	-0.05	23.18	24.00	1.208	0.251	22.3
Right side	20	QPSK 1RB_0	18700/1860	1:1	0.167	-0.09	23.18	24.00	1.208	0.202	22.3
Bottom side	20	QPSK 1RB_0	18700/1860	1:1	0.744	-0.09	23.18	24.00	1.208	0.899	22.3
Bottom side	20	QPSK 1RB_99	18900/1880	1:1	0.738	-0.01	23.16	24.00	1.213	0.895	22.3
Bottom side	20	QPSK 1RB_0	19100/1900	1:1	**0.794**	-0.05	23.17	24.00	1.211	**0.961**	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	19100/1900	1:1	0.302	-0.01	22.15	23.00	1.216	0.367	22.3
Back side	20	QPSK 50RB_0	19100/1900	1:1	0.381	-0.05	22.15	23.00	1.216	0.463	22.3
Left side	20	QPSK 50RB_0	19100/1900	1:1	0.188	-0.07	22.15	23.00	1.216	0.229	22.3
Right side	20	QPSK 50RB_0	19100/1900	1:1	0.135	-0.02	22.15	23.00	1.216	0.164	22.3
Bottom side	20	QPSK 50RB_0	19100/1900	1:1	0.615	-0.01	22.15	23.00	1.216	0.748	22.3
Hotspot Test data (Separate 10mm 100%RB)											
Bottom side	20	QPSK 100RB_0	19100/1900	1:1	0.615	-0.06	22.23	24.00	1.503	0.924	22.3
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Bottom side	20	QPSK 1RB_0	19100/1900	1:1	0.750	-0.03	23.17	24.00	1.211	0.908	22.3
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Bottom side	20	QPSK 1RB_0	19100/1900	1:1	0.749	-0.01	23.17	24.00	1.211	0.907	22.3

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Ant 2 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_99	18700/1860	1:1	0.155	0.03	19.63	20.50	1.222	0.189	22.3
Left tilted	20	QPSK 1RB_99	18700/1860	1:1	0.190	0.01	19.63	20.50	1.222	0.232	22.3
Right cheek	20	QPSK 1RB_99	18700/1860	1:1	0.493	0.07	19.63	20.50	1.222	0.602	22.3
Right tilted	20	QPSK 1RB_99	18700/1860	1:1	0.506	0.10	19.63	20.50	1.222	0.618	22.3
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	18900/1880	1:1	0.163	0.09	19.43	20.50	1.279	0.209	22.3
Left tilted	20	QPSK 50RB_0	18900/1880	1:1	0.175	0.06	19.43	20.50	1.279	0.224	22.3
Right cheek	20	QPSK 50RB_0	18900/1880	1:1	**0.532**	0.07	19.43	20.50	1.279	**0.681**	22.3
Right tilted	20	QPSK 50RB_0	18900/1880	1:1	0.528	0.04	19.43	20.50	1.279	0.676	22.3
Head Test Data at the worst case with SIM 2											
Right cheek	20	QPSK 50RB_0	18900/1880	1:1	0.528	0.06	19.43	20.50	1.279	0.676	22.3
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK 50RB_0	18900/1880	1:1	0.521	0.06	19.43	20.50	1.279	0.667	22.3
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	18900/1880	1:1	0.114	0.07	23.52	24.00	1.117	0.127	22.3
Back side	20	QPSK 1RB_99	18900/1880	1:1	**0.200**	0.05	23.52	24.00	1.117	**0.223**	22.3
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	19100/1900	1:1	0.091	0.05	22.64	23.00	1.219	0.099	22.3
Back side	20	QPSK 50RB_0	19100/1900	1:1	0.162	0.04	22.64	23.00	1.219	0.176	22.3
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_99	18900/1880	1:1	0.199	0.05	23.52	24.00	1.117	0.222	22.3
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_99	18900/1880	1:1	0.196	0.05	23.52	24.00	1.117	0.219	22.3
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	18900/1880	1:1	0.252	0.08	23.52	24.00	1.117	0.281	22.3
Back side	20	QPSK 1RB_99	18900/1880	1:1	**0.419**	-0.08	23.52	24.00	1.117	**0.468**	22.3
Left side	20	QPSK 1RB_99	18900/1880	1:1	0.362	-0.10	23.52	24.00	1.117	0.404	22.3
Top side	20	QPSK 1RB_99	18900/1880	1:1	0.334	0.08	23.52	24.00	1.117	0.373	22.3
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	19100/1900	1:1	0.200	0.02	22.64	23.00	1.086	0.217	22.3
Back side	20	QPSK 50RB_0	19100/1900	1:1	0.357	0.01	22.64	23.00	1.086	0.388	22.3
Left side	20	QPSK 50RB_0	19100/1900	1:1	0.184	0.00	22.64	23.00	1.086	0.200	22.3
Top side	20	QPSK 50RB_0	19100/1900	1:1	0.263	-0.06	22.64	23.00	1.086	0.286	22.3
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Back side	20	QPSK 1RB_99	18900/1880	1:1	0.399	-0.02	23.52	24.00	1.117	0.446	22.3
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Back side	20	QPSK 1RB_99	18900/1880	1:1	0.391	0.01	23.52	24.00	1.117	0.437	22.3

Table 6： SAR of LTE Band 2 for Head and Body.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8.3.7 SAR Result of LTE Band 4

Ant 1 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_0	20175/1732.5	1:1	**0.167**	0.09	22.99	24.00	1.262	**0.211**	22.2
Left tilted	20	QPSK 1RB_0	20175/1732.5	1:1	0.067	0.03	22.99	24.00	1.262	0.084	22.2
Right cheek	20	QPSK 1RB_0	20175/1732.5	1:1	0.123	0.18	22.99	24.00	1.262	0.155	22.2
Right tilted	20	QPSK 1RB_0	20175/1732.5	1:1	0.074	0.06	22.99	24.00	1.262	0.094	22.2
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	20175/1732.5	1:1	0.133	0.04	22.06	23.00	1.242	0.165	22.2
Left tilted	20	QPSK 50RB_0	20175/1732.5	1:1	0.054	0.03	22.06	23.00	1.242	0.066	22.2
Right cheek	20	QPSK 50RB_0	20175/1732.5	1:1	0.119	0.06	22.06	23.00	1.242	0.148	22.2
Right tilted	20	QPSK 50RB_0	20175/1732.5	1:1	0.058	0.09	22.06	23.00	1.242	0.072	22.2
Head Test Data at the worst case with SIM 2											
Left cheek	20	QPSK 1RB_0	20175/1732.5	1:1	0.163	0.09	22.99	24.00	1.262	0.206	22.2
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK 1RB_0	20175/1732.5	1:1	0.155	0.01	22.99	24.00	1.262	0.196	22.2
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_0	20175/1732.5	1:1	0.151	-0.06	22.58	23.50	1.236	0.187	22.2
Back side	20	QPSK 1RB_0	20175/1732.5	1:1	**0.172**	-0.09	22.58	23.50	1.236	**0.213**	22.2
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_50	20050/1720	1:1	0.134	0.04	22.07	23.00	1.239	0.166	22.2
Back side	20	QPSK 50RB_50	20050/1720	1:1	0.158	0.00	22.07	23.00	1.239	0.196	22.2
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_0	20175/1732.5	1:1	0.170	0.04	22.58	23.50	1.236	0.210	22.2
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_0	20175/1732.5	1:1	0.171	0.03	22.58	23.50	1.236	0.211	22.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_0	20175/1732.5	1:1	0.299	0.04	22.58	23.50	1.236	0.370	22.2
Back side	20	QPSK 1RB_0	20175/1732.5	1:1	0.317	0.12	22.58	23.50	1.236	0.392	22.2
Left side	20	QPSK 1RB_0	20175/1732.5	1:1	0.191	0.04	22.58	23.50	1.236	0.236	22.2
Right side	20	QPSK 1RB_0	20175/1732.5	1:1	0.105	-0.06	22.58	23.50	1.236	0.130	22.2
Bottom side	20	QPSK 1RB_0	20175/1732.5	1:1	**0.568**	-0.04	22.58	23.50	1.236	**0.702**	22.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_50	20050/1720	1:1	0.272	-0.03	22.07	23.00	1.239	0.337	22.2
Back side	20	QPSK 50RB_50	20050/1720	1:1	0.287	-0.02	22.07	23.00	1.239	0.356	22.2
Left side	20	QPSK 50RB_50	20050/1720	1:1	0.170	0.09	22.07	23.00	1.239	0.211	22.2
Right side	20	QPSK 50RB_50	20050/1720	1:1	0.094	-0.08	22.07	23.00	1.239	0.116	22.2
Bottom side	20	QPSK 50RB_50	20050/1720	1:1	0.496	0.00	22.07	23.00	1.239	0.614	22.2
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Bottom side	20	QPSK 1RB_0	20175/1732.5	1:1	0.567	0.31	22.58	23.50	1.236	0.701	22.2
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Bottom side	20	QPSK 1RB_0	20175/1732.5	1:1	0.547	0.02	22.58	23.50	1.236	0.676	22.2

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Ant 2 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_0	20175/1732.5	1:1	0.209	-0.16	18.23	19.00	1.194	0.250	22.2
Left tilted	20	QPSK 1RB_0	20175/1732.5	1:1	0.091	-0.09	18.23	19.00	1.194	0.109	22.2
Right cheek	20	QPSK 1RB_0	20175/1732.5	1:1	**0.621**	-0.01	18.23	19.00	1.194	**0.741**	22.2
Right tilted	20	QPSK 1RB_0	20175/1732.5	1:1	0.470	0.01	18.23	19.00	1.194	0.561	22.2
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_50	20050/1720	1:1	0.207	0.00	18.28	19.00	1.180	0.244	22.2
Left tilted	20	QPSK 50RB_50	20050/1720	1:1	0.167	0.07	18.28	19.00	1.180	0.197	22.2
Right cheek	20	QPSK 50RB_50	20050/1720	1:1	0.546	-0.07	18.28	19.00	1.180	0.644	22.2
Right tilted	20	QPSK 50RB_50	20050/1720	1:1	0.460	0.08	18.28	19.00	1.180	0.543	22.2
Head Test Data at the worst case with SIM 2											
Right cheek	20	QPSK 1RB_0	20175/1732.5	1:1	0.615	0.17	18.23	19.00	1.194	0.734	22.2
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK 1RB_0	20175/1732.5	1:1	0.550	-0.10	18.23	19.00	1.194	0.657	22.2
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_0	20050/1720	1:1	0.168	0.09	23.48	24.00	1.127	0.189	22.2
Back side	20	QPSK 1RB_0	20050/1720	1:1	**0.200**	0.06	23.48	24.00	1.127	**0.225**	22.2
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	20050/1720	1:1	0.137	0.05	22.46	23.00	1.132	0.155	22.2
Back side	20	QPSK 50RB_0	20050/1720	1:1	0.152	0.09	22.46	23.00	1.132	0.172	22.2
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.197	0.07	23.48	24.00	1.127	0.222	22.2
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.195	0.02	23.48	24.00	1.127	0.220	22.2
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_0	20050/1720	1:1	0.292	-0.16	23.48	24.00	1.127	0.329	22.2
Back side	20	QPSK 1RB_0	20050/1720	1:1	0.352	0.02	23.48	24.00	1.127	0.397	22.2
Left side	20	QPSK 1RB_0	20050/1720	1:1	**0.525**	0.02	23.48	24.00	1.127	**0.592**	22.2
Top side	20	QPSK 1RB_0	20050/1720	1:1	0.309	0.03	23.48	24.00	1.127	0.348	22.2
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	20050/1720	1:1	0.240	0.04	22.46	23.00	1.132	0.272	22.2
Back side	20	QPSK 50RB_0	20050/1720	1:1	0.329	-0.02	22.46	23.00	1.132	0.373	22.2
Left side	20	QPSK 50RB_0	20050/1720	1:1	0.385	0.02	22.46	23.00	1.132	0.436	22.2
Top side	20	QPSK 50RB_0	20050/1720	1:1	0.230	-0.18	22.46	23.00	1.132	0.260	22.2
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Left side	20	QPSK 1RB_0	20050/1720	1:1	0.470	0.03	23.48	24.00	1.127	0.530	22.2
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Left side	20	QPSK 1RB_0	20050/1720	1:1	0.465	0.05	23.48	24.00	1.127	0.524	22.2

Table 7： SAR of LTE Band 4 for Head and Body.

Note:

1)The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2)Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8.3.8 SAR Result of LTE Band 5

Ant 1 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	10	QPSK 1RB_0	20600/844	1:1	0.048	0.00	24.02	25.00	1.253	0.060	22.1
Left tilted	10	QPSK 1RB_0	20600/844	1:1	0.034	-0.17	24.02	25.00	1.253	0.042	22.1
Right cheek	10	QPSK 1RB_0	20600/844	1:1	**0.073**	0.00	24.02	25.00	1.253	**0.091**	22.1
Right tilted	10	QPSK 1RB_0	20600/844	1:1	0.028	-0.09	24.02	25.00	1.253	0.035	22.1
Head Test data(50%RB)											
Left cheek	10	QPSK 25RB_25	20600/844	1:1	0.035	-0.03	23.06	24.00	1.242	0.044	22.1
Left tilted	10	QPSK 25RB_25	20600/844	1:1	0.022	-0.14	23.06	24.00	1.242	0.027	22.1
Right cheek	10	QPSK 25RB_25	20600/844	1:1	0.053	0.03	23.06	24.00	1.242	0.066	22.1
Right tilted	10	QPSK 25RB_25	20600/844	1:1	0.020	0.01	23.06	24.00	1.242	0.025	22.1
Head Test Data at the worst case with SIM 2											
Right cheek	10	QPSK 1RB_0	20600/844	1:1	0.070	0.09	24.02	25.00	1.253	0.088	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK 1RB_0	20600/844	1:1	0.067	-0.04	24.02	25.00	1.253	0.084	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1RB_0	20600/844	1:1	0.209	0.14	24.02	25.00	1.253	0.262	22.1
Back side	10	QPSK 1RB_0	20600/844	1:1	**0.250**	0.02	24.02	25.00	1.253	**0.313**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	10	QPSK 25RB_25	20600/844	1:1	0.174	0.11	23.06	24.00	1.242	0.216	22.1
Back side	10	QPSK 25RB_25	20600/844	1:1	0.200	-0.01	23.06	24.00	1.242	0.248	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	10	QPSK 1RB_0	20600/844	1:1	0.248	0.07	24.02	25.00	1.253	0.311	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	10	QPSK 1RB_0	20600/844	1:1	0.240	0.05	24.02	25.00	1.253	0.301	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1RB_0	20600/844	1:1	0.360	-0.02	24.02	25.00	1.253	0.451	22.1
Back side	10	QPSK 1RB_0	20600/844	1:1	**0.489**	-0.04	24.02	25.00	1.253	**0.613**	22.1
Left side	10	QPSK 1RB_0	20600/844	1:1	0.325	0.02	24.02	25.00	1.253	0.407	22.1
Right side	10	QPSK 1RB_0	20600/844	1:1	0.074	-0.12	24.02	25.00	1.253	0.092	22.1
Bottom side	10	QPSK 1RB_0	20600/844	1:1	0.218	0.00	24.02	25.00	1.253	0.273	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25RB_25	20600/844	1:1	0.359	0.18	23.06	24.00	1.242	0.446	22.1
Back side	10	QPSK 25RB_25	20600/844	1:1	0.487	0.02	23.06	24.00	1.242	0.605	22.1
Left side	10	QPSK 25RB_25	20600/844	1:1	0.250	0.01	23.06	24.00	1.242	0.310	22.1
Right side	10	QPSK 25RB_25	20600/844	1:1	0.057	0.03	23.06	24.00	1.242	0.070	22.1
Bottom side	10	QPSK 25RB_25	20600/844	1:1	0.189	0.06	23.06	24.00	1.242	0.235	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Back side	10	QPSK 1RB_0	20600/844	1:1	0.472	0.03	24.02	25.00	1.253	0.591	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Back side	10	QPSK 1RB_0	20600/844	1:1	0.443	0.01	24.02	25.00	1.253	0.555	22.1
Ant 2 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	10	QPSK 1RB_0	20600/844	1:1	0.580	-0.02	21.60	22.50	1.230	0.714	22.1
Left tilted	10	QPSK 1RB_0	20600/844	1:1	0.555	0.13	21.60	22.50	1.230	0.683	22.1
Right cheek	10	QPSK 1RB_0	20600/844	1:1	0.676	0.00	21.60	22.50	1.230	0.832	22.1
Right tilted	10	QPSK 1RB_0	20600/844	1:1	0.618	0.06	21.60	22.50	1.230	0.760	22.1

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Right cheek	10	QPSK 1RB_0	20450/829	1:1	0.702	0.01	21.45	22.50	1.274	0.894	22.1
Right cheek	10	QPSK 1RB_0	20525/836.5	1:1	**0.724**	0.06	21.46	22.50	1.271	**0.920**	22.1
Head Test data(50%RB)											
Left cheek	10	QPSK 25RB_13	20450/829	1:1	0.583	0.08	21.49	22.50	1.262	0.736	22.1
Left tilted	10	QPSK 25RB_13	20450/829	1:1	0.557	-0.06	21.49	22.50	1.262	0.703	22.1
Right cheek	10	QPSK 25RB_13	20450/829	1:1	0.695	0.02	21.49	22.50	1.262	0.877	22.1
Right tilted	10	QPSK 25RB_13	20450/829	1:1	0.600	-0.03	21.49	22.50	1.262	0.757	22.1
Right cheek	10	QPSK 25RB_13	20525/836.5	1:1	0.678	0.01	21.47	22.50	1.268	0.859	22.1
Right cheek	10	QPSK 25RB_25	20600/844	1:1	0.676	0.01	21.44	22.50	1.276	0.863	22.1
Head Test data(100%RB)											
Right cheek	10	QPSK 50RB_0	20450/829	1:1	0.687	-0.05	21.40	22.50	1.288	0.885	22.1
Head Test Data at the worst case with SIM 2											
Right cheek	10	QPSK 1RB_0	20525/836.5	1:1	0.718	-0.03	21.46	22.50	1.271	0.912	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	10	QPSK 1RB_0	20525/836.5	1:1	0.696	0.04	21.46	22.50	1.271	0.884	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	10	QPSK 1RB_0	20525/836.5	1:1	0.160	0.02	24.32	25.00	1.169	0.187	22.1
Back side	10	QPSK 1RB_0	20525/836.5	1:1	**0.218**	-0.07	24.32	25.00	1.169	**0.255**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	10	QPSK 25RB_0	20525/836.5	1:1	0.128	-0.01	23.20	24.00	1.202	0.154	22.1
Back side	10	QPSK 25RB_0	20525/836.5	1:1	0.185	0.01	23.20	24.00	1.202	0.222	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	10	QPSK 1RB_0	20525/836.5	1:1	0.234	-0.01	24.32	25.00	1.169	0.274	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	10	QPSK 1RB_0	20525/836.5	1:1	0.215	-0.10	24.32	25.00	1.169	0.251	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1RB_0	20450/829	1:1	0.310	0.03	23.26	24.00	1.186	0.368	22.1
Back side	10	QPSK 1RB_0	20450/829	1:1	0.345	0.00	23.26	24.00	1.186	0.409	22.1
Left side	10	QPSK 1RB_0	20450/829	1:1	0.342	0.00	23.26	24.00	1.186	0.406	22.1
Top side	10	QPSK 1RB_0	20450/829	1:1	0.302	0.00	23.26	24.00	1.186	0.358	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25RB_0	20450/829	1:1	0.308	0.02	22.82	24.00	1.312	0.404	22.1
Back side	10	QPSK 25RB_0	20450/829	1:1	**0.372**	0.02	22.82	24.00	1.312	**0.488**	22.1
Left side	10	QPSK 25RB_0	20450/829	1:1	0.371	0.01	22.82	24.00	1.312	0.487	22.1
Top side	10	QPSK 25RB_0	20450/829	1:1	0.319	0.03	22.82	24.00	1.312	0.419	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Back side	10	QPSK 25RB_0	20450/829	1:1	0.372	-0.02	22.82	24.00	1.312	0.488	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Back side	10	QPSK 25RB_0	20450/829	1:1	0.359	0.01	22.82	24.00	1.312	0.471	22.1

Table 8： SAR of LTE Band 5 for Head and Body.

Note:

1)The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2)Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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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:

Ant 2 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Product Specific 10-g SAR SAR Exclusion
Hotspot Test data(Separate 10mm 1RB)											
Front side	10	QPSK 1RB_0	20450/829	1:1	0.310	0.03	23.26	25.00	1.493	0.463	Yes
Back side	10	QPSK 1RB_0	20450/829	1:1	0.345	0.00	23.26	25.00	1.493	0.515	Yes
Left side	10	QPSK 1RB_0	20450/829	1:1	0.342	0.00	23.26	25.00	1.493	0.511	Yes
Right side	10	QPSK 1RB_0	20450/829	1:1	0.122	-0.05	23.26	25.00	1.493	0.182	Yes
Top side	10	QPSK 1RB_0	20450/829	1:1	0.302	0.00	23.26	25.00	1.493	0.451	Yes
Hotspot Test data (Separate 10mm 50%RB)											
Front side	10	QPSK 25RB_0	20450/829	1:1	0.308	0.02	22.82	24.00	1.312	0.404	Yes
Back side	10	QPSK 25RB_0	20450/829	1:1	0.372	0.02	22.82	24.00	1.312	0.488	Yes
Left side	10	QPSK 25RB_0	20450/829	1:1	0.371	0.01	22.82	24.00	1.312	0.487	Yes
Right side	10	QPSK 25RB_0	20450/829	1:1	0.125	-0.01	22.82	24.00	1.312	0.164	Yes
Top side	10	QPSK 25RB_0	20450/829	1:1	0.319	0.03	22.82	24.00	1.312	0.419	Yes
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Back side	10	QPSK 25RB_0	20450/829	1:1	0.372	-0.02	22.82	25.00	1.652	0.615	Yes
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Back side	10	QPSK 25RB_0	20450/829	1:1	0.359	0.01	22.82	25.00	1.652	0.593	Yes

Note: According to the table above and the SAR result, the main/second antenna are not required to test with 0mm for the Product Specific 10-g SAR.

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8.3.9 SAR Result of LTE Band 7

Ant 1 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_99	21100/2535.5	1:1	**0.330**	-0.02	23.53	24.70	1.309	**0.432**	22.1
Left tilted	20	QPSK 1RB_99	21100/2535.5	1:1	0.187	0.15	23.53	24.70	1.309	0.245	22.1
Right cheek	20	QPSK 1RB_99	21100/2535.5	1:1	0.230	0.03	23.53	24.70	1.309	0.301	22.1
Right tilted	20	QPSK 1RB_99	21100/2535.5	1:1	0.174	0.09	23.53	24.70	1.309	0.228	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	21350/2560	1:1	0.282	0.13	22.64	23.70	1.276	0.360	22.1
Left tilted	20	QPSK 50RB_0	21350/2560	1:1	0.152	0.14	22.64	23.70	1.276	0.194	22.1
Right cheek	20	QPSK 50RB_0	21350/2560	1:1	0.205	0.09	22.64	23.70	1.276	0.262	22.1
Right tilted	20	QPSK 50RB_0	21350/2560	1:1	0.155	-0.18	22.64	23.70	1.276	0.198	22.1
Head Test Data at the worst case with SIM 2											
Left cheek	20	QPSK 1RB_99	21100/2535.5	1:1	0.308	0.16	23.53	24.70	1.309	0.403	22.1
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK 1RB_99	21100/2535.5	1:1	0.288	0.18	23.53	24.70	1.309	0.377	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_50	21100/2535.5	1:1	0.112	0.15	22.47	23.70	1.327	0.149	22.1
Back side	20	QPSK 1RB_50	21100/2535.5	1:1	**0.192**	0.09	22.47	23.70	1.327	**0.255**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	21100/2535.5	1:1	0.125	0.03	22.57	23.70	1.297	0.162	22.1
Back side	20	QPSK 50RB_0	21100/2535.5	1:1	0.181	-0.02	22.57	23.70	1.297	0.235	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_50	21100/2535.5	1:1	0.185	0.02	22.47	23.70	1.327	0.246	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_50	21100/2535.5	1:1	0.190	0.08	22.47	23.70	1.327	0.252	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_50	21100/2535.5	1:1	0.254	0.03	22.47	23.70	1.327	0.337	22.1
Back side	20	QPSK 1RB_50	21100/2535.5	1:1	0.346	0.13	22.47	23.70	1.327	0.459	22.1
Left side	20	QPSK 1RB_50	21100/2535.5	1:1	0.166	-0.09	22.47	23.70	1.327	0.220	22.1
Right side	20	QPSK 1RB_50	21100/2535.5	1:1	0.079	-0.11	22.47	23.70	1.327	0.105	22.1
Bottom side	20	QPSK 1RB_50	21100/2535.5	1:1	**0.481**	0.17	22.47	23.70	1.327	**0.638**	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	21100/2535.5	1:1	0.252	0.10	22.57	23.70	1.297	0.327	22.1
Back side	20	QPSK 50RB_0	21100/2535.5	1:1	0.343	0.15	22.57	23.70	1.297	0.445	22.1
Left side	20	QPSK 50RB_0	21100/2535.5	1:1	0.159	-0.01	22.57	23.70	1.297	0.206	22.1
Right side	20	QPSK 50RB_0	21100/2535.5	1:1	0.082	-0.04	22.57	23.70	1.297	0.106	22.1
Bottom side	20	QPSK 50RB_0	21100/2535.5	1:1	0.463	-0.02	22.57	23.70	1.297	0.601	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Bottom side	20	QPSK 1RB_50	21100/2535.5	1:1	0.454	-0.01	22.47	23.70	1.327	0.603	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Bottom side	20	QPSK 1RB_50	21100/2535.5	1:1	0.449	0.03	22.47	23.70	1.327	0.596	22.1

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Ant 2 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_50	21350/2560	1:1	0.305	0.18	16.18	17.20	1.265	0.386	22.1
Left tilted	20	QPSK 1RB_50	21350/2560	1:1	0.264	0.11	16.18	17.20	1.265	0.334	22.1
Right cheek	20	QPSK 1RB_50	21350/2560	1:1	0.412	0.09	16.18	17.20	1.265	**0.521**	22.1
Right tilted	20	QPSK 1RB_50	21350/2560	1:1	0.328	-0.04	16.18	17.20	1.265	0.415	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_50	21350/2560	1:1	0.303	-0.07	16.32	17.20	1.225	0.371	22.1
Left tilted	20	QPSK 50RB_50	21350/2560	1:1	0.272	-0.09	16.32	17.20	1.225	0.333	22.1
Right cheek	20	QPSK 50RB_50	21350/2560	1:1	**0.422**	0.04	16.32	17.20	1.225	0.517	22.1
Right tilted	20	QPSK 50RB_50	21350/2560	1:1	0.321	-0.14	16.32	17.20	1.225	0.393	22.1
Head Test Data at the worst case with SIM 2											
Right cheek	20	QPSK 1RB_50	21350/2560	1:1	0.352	-0.16	16.18	17.20	1.265	0.445	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK 1RB_50	21350/2560	1:1	0.353	-0.09	16.18	17.20	1.265	0.446	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_50	20850/2510	1:1	0.163	0.02	21.71	22.70	1.256	0.205	22.1
Back side	20	QPSK 1RB_50	20850/2510	1:1	**0.211**	0.04	21.71	22.70	1.256	**0.265**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_50	21100/2535.5	1:1	0.168	0.13	21.50	22.70	1.318	0.221	22.1
Back side	20	QPSK 50RB_50	21100/2535.5	1:1	0.146	0.03	21.50	22.70	1.318	0.192	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_50	20850/2510	1:1	0.208	0.12	21.71	22.70	1.256	0.261	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_50	20850/2510	1:1	0.197	-0.06	21.71	22.70	1.256	0.247	22.1
Hotspot Test data(Separate 10mm 1RB)(5G WIFI)											
Front side	20	QPSK 1RB_99	20850/2510	1:1	0.254	0.14	20.35	21.70	1.365	0.347	22.1
Back side	20	QPSK 1RB_99	20850/2510	1:1	**0.328**	0.03	20.35	21.70	1.365	**0.448**	22.1
Left side	20	QPSK 1RB_99	20850/2510	1:1	0.173	-0.08	20.35	21.70	1.365	0.236	22.1
Top side	20	QPSK 1RB_99	20850/2510	1:1	0.128	0.06	20.35	21.70	1.365	0.175	22.1
Hotspot Test data (Separate 10mm 50%RB)(5G WIFI)											
Front side	20	QPSK 50RB_50	21350/2560	1:1	0.179	-0.06	20.50	21.70	1.318	0.236	22.1
Back side	20	QPSK 50RB_50	21350/2560	1:1	0.248	-0.04	20.50	21.70	1.318	0.327	22.1
Left side	20	QPSK 50RB_50	21350/2560	1:1	0.091	0.04	20.50	21.70	1.318	0.120	22.1
Top side	20	QPSK 50RB_50	21350/2560	1:1	0.066	0.03	20.50	21.70	1.318	0.087	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)(5G WIFI)											
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.323	0.01	20.35	21.70	1.365	0.441	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)(5G WIFI)											
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.320	0.16	20.35	21.70	1.365	0.437	22.1

Table 9： SAR of LTE Band 7 for Head and Body.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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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:

Ant 2 Test Record											
Test position	**BW.**	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**SAR (W/kg)1-g**	**Power Drift(dB)**	**Conducted power(dBm)**	**Tune up Limit(dBm)**	**Scaled factor**	**Scaled SAR(W/kg)**	**Product Specific 10-g SAR SAR Exclusion**
Hotspot Test data(Separate 10mm 1RB)(5G WIFI)											
Front side	20	QPSK 1RB_99	20850/2510	1:1	0.254	0.14	20.35	22.70	1.718	0.436	Yes
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.328	0.03	20.35	22.70	1.718	0.563	Yes
Left side	20	QPSK 1RB_99	20850/2510	1:1	0.173	-0.08	20.35	22.70	1.718	0.297	Yes
Right side	20	QPSK 1RB_99	20850/2510	1:1	0.026	-0.01	20.35	22.70	1.718	0.045	Yes
Top side	20	QPSK 1RB_99	20850/2510	1:1	0.128	0.06	20.35	22.70	1.718	0.220	Yes
Hotspot Test data (Separate 10mm 50%RB)(5G WIFI)											
Front side	20	QPSK 50RB_50	21350/2560	1:1	0.179	-0.06	20.50	22.70	1.660	0.297	Yes
Back side	20	QPSK 50RB_50	21350/2560	1:1	0.248	-0.04	20.50	22.70	1.660	0.412	Yes
Left side	20	QPSK 50RB_50	21350/2560	1:1	0.091	0.04	20.50	22.70	1.660	0.152	Yes
Right side	20	QPSK 50RB_50	21350/2560	1:1	0.011	-0.05	20.50	22.70	1.660	0.018	Yes
Top side	20	QPSK 50RB_50	21350/2560	1:1	0.066	0.03	20.50	22.70	1.660	0.109	Yes
Body Test Data at the worst case with SIM 2 (Separate 10mm)(5G WIFI)											
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.323	0.01	20.35	22.70	1.718	0.555	Yes
Body Test Data at the worst case with Battery 2# (Separate 10mm)(5G WIFI)											
Back side	20	QPSK 1RB_99	20850/2510	1:1	0.320	0.16	20.35	22.70	1.718	0.550	Yes

Note: According to the table above and the SAR result, the main/second antenna are not required to test with 0mm for the Product Specific 10-g SAR.

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8.3.10 SAR Result of LTE Band 26

Ant 1 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	15	QPSK 1RB_38	26765/821.5	1:1	0.039	-0.02	23.37	24.50	1.297	0.050	22.1
Left tilted	15	QPSK 1RB_38	26765/821.5	1:1	0.045	-0.05	23.37	24.50	1.297	0.058	22.1
Right cheek	15	QPSK 1RB_38	26765/821.5	1:1	**0.053**	0.17	23.37	24.50	1.297	**0.068**	22.1
Right tilted	15	QPSK 1RB_38	26765/821.5	1:1	0.037	0.02	23.37	24.50	1.297	0.048	22.1
Head Test data(50%RB)											
Left cheek	15	QPSK 36RB_39	26865/831.5	1:1	0.036	-0.08	22.29	23.50	1.321	0.047	22.1
Left tilted	15	QPSK 36RB_39	26865/831.5	1:1	0.033	-0.09	22.29	23.50	1.321	0.043	22.1
Right cheek	15	QPSK 36RB_39	26865/831.5	1:1	0.041	0.02	22.29	23.50	1.321	0.054	22.1
Right tilted	15	QPSK 36RB_39	26865/831.5	1:1	0.029	0.01	22.29	23.50	1.321	0.038	22.1
Head Test Data at the worst case with SIM 2											
Right cheek	15	QPSK 1RB_38	26765/821.5	1:1	0.044	-0.03	23.37	24.50	1.297	0.057	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	15	QPSK 1RB_38	26765/821.5	1:1	0.043	-0.01	23.37	24.50	1.297	0.056	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.140	0.07	23.37	24.50	1.297	0.182	22.1
Back side	15	QPSK 1RB_38	26765/821.5	1:1	0.173	0.02	23.37	24.50	1.297	0.224	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	15	QPSK 36RB_39	26865/831.5	1:1	0.138	0.01	22.29	23.50	1.321	0.182	22.1
Back side	15	QPSK 36RB_39	26865/831.5	1:1	0.168	0.03	22.29	23.50	1.321	0.222	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	15	QPSK 1RB_38	26765/821.5	1:1	0.171	-0.05	23.37	24.50	1.297	0.222	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	15	QPSK 1RB_38	26765/821.5	1:1	**0.181**	-0.04	23.37	24.50	1.297	**0.235**	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	15	QPSK 1RB_38	26765/821.5	1:1	0.272	-0.05	23.37	24.50	1.297	0.353	22.1
Back side	15	QPSK 1RB_38	26765/821.5	1:1	**0.392**	0.08	23.37	24.50	1.297	**0.508**	22.1
Left side	15	QPSK 1RB_38	26765/821.5	1:1	0.266	0.12	23.37	24.50	1.297	0.345	22.1
Right side	15	QPSK 1RB_38	26765/821.5	1:1	0.062	0.03	23.37	24.50	1.297	0.080	22.1
Bottom side	15	QPSK 1RB_38	26765/821.5	1:1	0.221	0.02	23.37	24.50	1.297	0.287	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	15	QPSK 36RB_39	26865/831.5	1:1	0.257	0.08	22.29	23.50	1.321	0.340	22.1
Back side	15	QPSK 36RB_39	26865/831.5	1:1	0.339	0.19	22.29	23.50	1.321	0.448	22.1
Left side	15	QPSK 36RB_39	26865/831.5	1:1	0.240	0.01	22.29	23.50	1.321	0.317	22.1
Right side	15	QPSK 36RB_39	26865/831.5	1:1	0.049	0.07	22.29	23.50	1.321	0.064	22.1
Bottom side	15	QPSK 36RB_39	26865/831.5	1:1	0.184	0.01	22.29	23.50	1.321	0.243	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Back side	15	QPSK 1RB_38	26765/821.5	1:1	0.391	0.11	23.37	24.50	1.297	0.507	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Back side	15	QPSK 1RB_38	26765/821.5	1:1	0.383	0.16	23.37	24.50	1.297	0.497	22.1

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Ant 2 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	15	QPSK 1RB_74	26765/821.5	1:1	0.315	0.02	19.99	21.00	1.262	0.397	22.1
Left tilted	15	QPSK 1RB_74	26765/821.5	1:1	0.320	-0.15	19.99	21.00	1.262	0.404	22.1
Right cheek	15	QPSK 1RB_74	26765/821.5	1:1	0.395	-0.06	19.99	21.00	1.262	0.498	22.1
Right tilted	15	QPSK 1RB_74	26765/821.5	1:1	0.344	-0.02	19.99	21.00	1.262	0.434	22.1
Head Test data(50%RB)											
Left cheek	15	QPSK 36RB_18	26765/821.5	1:1	0.280	0.09	20.08	21.00	1.236	0.346	22.1
Left tilted	15	QPSK 36RB_18	26765/821.5	1:1	0.284	0.02	20.08	21.00	1.236	0.351	22.1
Right cheek	15	QPSK 36RB_18	26765/821.5	1:1	0.366	0.09	20.08	21.00	1.236	0.452	22.1
Right tilted	15	QPSK 36RB_18	26765/821.5	1:1	0.330	-0.13	20.08	21.00	1.236	0.408	22.1
Head Test Data at the worst case with SIM 2											
Right cheek	15	QPSK 1RB_74	26765/821.5	1:1	0.394	-0.09	19.99	21.00	1.262	0.497	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	15	QPSK 1RB_74	26765/821.5	1:1	**0.398**	0.07	19.99	21.00	1.262	**0.502**	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	15	QPSK 1RB_74	26765/821.5	1:1	0.101	0.04	23.31	24.50	1.315	0.133	22.1
Back side	15	QPSK 1RB_74	26765/821.5	1:1	**0.142**	0.03	23.31	24.50	1.315	**0.187**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	15	QPSK 36RB_0	26865/831.5	1:1	0.086	0.06	22.35	23.50	1.303	0.113	22.1
Back side	15	QPSK 36RB_0	26865/831.5	1:1	0.111	0.01	22.35	23.50	1.303	0.145	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	15	QPSK 1RB_74	26765/821.5	1:1	0.128	0.04	23.31	24.50	1.315	0.168	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	15	QPSK 1RB_74	26765/821.5	1:1	0.126	0.02	23.31	24.50	1.315	0.166	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	15	QPSK 1RB_74	26765/821.5	1:1	0.207	0.00	23.31	24.50	1.315	0.272	22.1
Back side	15	QPSK 1RB_74	26765/821.5	1:1	**0.290**	0.03	23.31	24.50	1.315	**0.381**	22.1
Left side	15	QPSK 1RB_74	26765/821.5	1:1	0.258	0.02	23.31	24.50	1.315	0.339	22.1
Top side	15	QPSK 1RB_74	26765/821.5	1:1	0.235	0.08	23.31	24.50	1.315	0.309	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	15	QPSK 36RB_0	26865/831.5	1:1	0.186	0.02	22.35	23.50	1.303	0.242	22.1
Back side	15	QPSK 36RB_0	26865/831.5	1:1	0.224	0.02	22.35	23.50	1.303	0.292	22.1
Left side	15	QPSK 36RB_0	26865/831.5	1:1	0.223	-0.02	22.35	23.50	1.303	0.291	22.1
Top side	15	QPSK 36RB_0	26865/831.5	1:1	0.206	-0.01	22.35	23.50	1.303	0.268	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Back side	15	QPSK 1RB_74	26765/821.5	1:1	0.267	0.02	23.31	24.50	1.315	0.351	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)(5G WIFI)											
Back side	15	QPSK 1RB_74	26765/821.5	1:1	0.270	-0.05	23.31	24.50	1.315	0.355	22.1

Table 10：SAR of LTE Band 26 for Head and Body.

Note:

1)The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2)Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com
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8.3.11 SAR Result of LTE Band 38

Ant 1 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_99	38150/2610	1:1.58	**0.208**	-0.02	23.16	24.20	1.271	**0.264**	22.1
Left tilted	20	QPSK 1RB_99	38150/2610	1:1.58	0.108	0.04	23.16	24.20	1.271	0.137	22.1
Right cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.155	0.04	23.16	24.20	1.271	0.197	22.1
Right tilted	20	QPSK 1RB_99	38150/2610	1:1.58	0.120	0.05	23.16	24.20	1.271	0.152	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	37850/2580	1:1.58	0.148	0.12	22.13	23.20	1.279	0.189	22.1
Left tilted	20	QPSK 50RB_0	37850/2580	1:1.58	0.080	0.02	22.13	23.20	1.279	0.102	22.1
Right cheek	20	QPSK 50RB_0	37850/2580	1:1.58	0.111	-0.12	22.13	23.20	1.279	0.142	22.1
Right tilted	20	QPSK 50RB_0	37850/2580	1:1.58	0.080	0.07	22.13	23.20	1.279	0.102	22.1
Head Test Data at the worst case with SIM 2											
Left cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.201	0.07	23.16	24.20	1.271	0.255	22.1
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.176	0.07	23.16	24.20	1.271	0.224	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	38150/2610	1:1.58	0.116	-0.05	23.16	24.20	1.271	0.147	22.1
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	**0.139**	-0.09	23.16	24.20	1.271	**0.177**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	37850/2580	1:1.58	0.086	-0.07	22.13	23.20	1.279	0.110	22.1
Back side	20	QPSK 50RB_0	37850/2580	1:1.58	0.106	-0.01	22.13	23.20	1.279	0.136	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.137	0.04	23.16	24.20	1.271	0.174	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.136	0.06	23.16	24.20	1.271	0.173	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	38150/2610	1:1.58	0.223	-0.19	23.16	24.20	1.271	0.283	22.1
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.287	0.07	23.16	24.20	1.271	0.365	22.1
Left side	20	QPSK 1RB_99	38150/2610	1:1.58	0.153	0.00	23.16	24.20	1.271	0.194	22.1
Right side	20	QPSK 1RB_99	38150/2610	1:1.58	0.096	-0.04	23.16	24.20	1.271	0.121	22.1
Bottom side	20	QPSK 1RB_99	38150/2610	1:1.58	**0.366**	0.04	23.16	24.20	1.271	**0.465**	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	37850/2580	1:1.58	0.159	-0.09	22.13	23.20	1.279	0.203	22.1
Back side	20	QPSK 50RB_0	37850/2580	1:1.58	0.201	-0.09	22.13	23.20	1.279	0.257	22.1
Left side	20	QPSK 50RB_0	37850/2580	1:1.58	0.121	0.00	22.13	23.20	1.279	0.155	22.1
Right side	20	QPSK 50RB_0	37850/2580	1:1.58	0.060	-0.02	22.13	23.20	1.279	0.077	22.1
Bottom side	20	QPSK 50RB_0	37850/2580	1:1.58	0.279	0.13	22.13	23.20	1.279	0.357	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Bottom side	20	QPSK 1RB_99	38150/2610	1:1.58	0.363	-0.16	23.16	24.20	1.271	0.461	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Bottom side	20	QPSK 1RB_99	38150/2610	1:1.58	0.360	0.09	23.16	24.20	1.271	0.457	22.1

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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Ant 2 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.449	-0.04	19.41	20.70	1.346	0.604	22.1
Left tilted	20	QPSK 1RB_99	38150/2610	1:1.58	0.446	-0.08	19.41	20.70	1.346	0.600	22.1
Right cheek	20	QPSK 1RB_99	38150/2610	1:1.58	**0.594**	0.05	19.41	20.70	1.346	**0.799**	22.1
Right tilted	20	QPSK 1RB_99	38150/2610	1:1.58	0.455	-0.19	19.41	20.70	1.346	0.612	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_50	37850/2580	1:1.58	0.403	0.01	19.36	20.70	1.361	0.549	22.1
Left tilted	20	QPSK 50RB_50	37850/2580	1:1.58	0.369	-0.16	19.36	20.70	1.361	0.502	22.1
Right cheek	20	QPSK 50RB_50	37850/2580	1:1.58	0.539	0.04	19.36	20.70	1.361	0.734	22.1
Right tilted	20	QPSK 50RB_50	37850/2580	1:1.58	0.422	-0.18	19.36	20.70	1.361	0.575	22.1
Head Test Data at the worst case with SIM 2											
Right cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.544	-0.05	19.41	20.70	1.346	0.732	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK 1RB_99	38150/2610	1:1.58	0.508	-0.06	19.41	20.70	1.346	0.684	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	38150/2610	1:1.58	0.075	0.02	22.87	24.20	1.358	0.101	22.1
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	**0.081**	-0.04	22.87	24.20	1.358	**0.110**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	37850/2580	1:1.58	0.077	0.06	21.88	23.20	1.355	0.104	22.1
Back side	20	QPSK 50RB_0	37850/2580	1:1.58	0.080	0.03	21.88	23.20	1.355	0.108	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.071	0.03	22.87	24.20	1.358	0.097	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.080	-0.06	22.87	24.20	1.358	0.108	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	38150/2610	1:1.58	0.168	0.09	22.87	24.20	1.358	0.228	22.1
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	**0.241**	0.04	22.87	24.20	1.358	**0.327**	22.1
Left side	20	QPSK 1RB_99	38150/2610	1:1.58	0.083	0.04	22.87	24.20	1.358	0.112	22.1
Top side	20	QPSK 1RB_99	38150/2610	1:1.58	0.087	-0.03	22.87	24.20	1.358	0.118	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	37850/2580	1:1.58	0.142	-0.07	21.88	23.20	1.355	0.192	22.1
Back side	20	QPSK 50RB_0	37850/2580	1:1.58	0.206	-0.04	21.88	23.20	1.355	0.279	22.1
Left side	20	QPSK 50RB_0	37850/2580	1:1.58	0.054	0.02	21.88	23.20	1.355	0.073	22.1
Top side	20	QPSK 50RB_0	37850/2580	1:1.58	0.054	0.02	21.88	23.20	1.355	0.073	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.214	0.07	22.87	24.20	1.358	0.291	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Back side	20	QPSK 1RB_99	38150/2610	1:1.58	0.218	0.07	22.87	24.20	1.358	0.296	22.1

Table 11：SAR of LTE Band 38 for Head and Body.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8.3.12 SAR Result of LTE Band 41

Ant 1 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_99	40240/25555	1:1.58	**0.178**	0.05	23.19	24.20	1.262	**0.225**	22.1
Left tilted	20	QPSK 1RB_99	40240/25555	1:1.58	0.093	0.11	23.19	24.20	1.262	0.117	22.1
Right cheek	20	QPSK 1RB_99	40240/25555	1:1.58	0.129	0.06	23.19	24.20	1.262	0.163	22.1
Right tilted	20	QPSK 1RB_99	40240/25555	1:1.58	0.097	0.02	23.19	24.20	1.262	0.122	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	41140/2645	1:1.58	0.172	0.04	22.09	23.20	1.291	0.222	22.1
Left tilted	20	QPSK 50RB_0	41140/2645	1:1.58	0.078	0.08	22.09	23.20	1.291	0.100	22.1
Right cheek	20	QPSK 50RB_0	41140/2645	1:1.58	0.126	0.05	22.09	23.20	1.291	0.163	22.1
Right tilted	20	QPSK 50RB_0	41140/2645	1:1.58	0.112	0.07	22.09	23.20	1.291	0.145	22.1
Head Test Data at the worst case with SIM 2											
Left cheek	20	QPSK 1RB_99	40240/25555	1:1.58	0.177	0.01	23.19	24.20	1.262	0.223	22.1
Head Test Data at the worst case with Battery 2#											
Left cheek	20	QPSK 1RB_99	40240/25555	1:1.58	0.161	0.15	23.19	24.20	1.262	0.203	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	40240/25555	1:1.58	0.104	0.08	23.19	24.20	1.262	0.131	22.1
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	**0.134**	0.05	23.19	24.20	1.262	**0.169**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	41140/2645	1:1.58	0.094	-0.03	22.09	23.20	1.291	0.122	22.1
Back side	20	QPSK 50RB_0	41140/2645	1:1.58	0.109	0.13	22.09	23.20	1.291	0.141	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	0.133	-0.06	23.19	24.20	1.262	0.168	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	0.127	0.09	23.19	24.20	1.262	0.160	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	40240/25555	1:1.58	0.203	0.07	23.19	24.20	1.262	0.256	22.1
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	0.260	0.06	23.19	24.20	1.262	0.328	22.1
Left side	20	QPSK 1RB_99	40240/25555	1:1.58	0.137	0.06	23.19	24.20	1.262	0.173	22.1
Right side	20	QPSK 1RB_99	40240/25555	1:1.58	0.071	0.03	23.19	24.20	1.262	0.089	22.1
Bottom side	20	QPSK 1RB_99	40240/25555	1:1.58	**0.358**	-0.05	23.19	24.20	1.262	**0.452**	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	41140/2645	1:1.58	0.171	0.03	22.09	23.20	1.291	0.221	22.1
Back side	20	QPSK 50RB_0	41140/2645	1:1.58	0.222	-0.03	22.09	23.20	1.291	0.287	22.1
Left side	20	QPSK 50RB_0	41140/2645	1:1.58	0.108	-0.05	22.09	23.20	1.291	0.139	22.1
Right side	20	QPSK 50RB_0	41140/2645	1:1.58	0.070	-0.03	22.09	23.20	1.291	0.091	22.1
Bottom side	20	QPSK 50RB_0	41140/2645	1:1.58	0.280	0.00	22.09	23.20	1.291	0.362	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Bottom side	20	QPSK 1RB_99	40240/25555	1:1.58	0.352	0.18	23.19	24.20	1.262	0.444	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Bottom side	20	QPSK 1RB_99	40240/25555	1:1.58	0.347	0.07	23.19	24.20	1.262	0.438	22.1

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Ant 2 Test Record											
Test position	BW.	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg)1-g	Power Drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data(1RB)											
Left cheek	20	QPSK 1RB_99	40240/25555	1:1.58	0.371	0.03	18.89	20.20	1.352	0.502	22.1
Left tilted	20	QPSK 1RB_99	40240/25555	1:1.58	0.332	-0.05	18.89	20.20	1.352	0.449	22.1
Right cheek	20	QPSK 1RB_99	40240/25555	1:1.58	0.498	0.04	18.89	20.20	1.352	0.673	22.1
Right tilted	20	QPSK 1RB_99	40240/25555	1:1.58	0.405	-0.17	18.89	20.20	1.352	0.548	22.1
Head Test data(50%RB)											
Left cheek	20	QPSK 50RB_0	40240/25555	1:1.58	0.368	0.15	18.94	20.20	1.337	0.492	22.1
Left tilted	20	QPSK 50RB_0	40240/25555	1:1.58	0.318	-0.14	18.94	20.20	1.337	0.425	22.1
Right cheek	20	QPSK 50RB_0	40240/25555	1:1.58	**0.519**	0.02	18.94	20.20	1.337	**0.694**	22.1
Right tilted	20	QPSK 50RB_0	40240/25555	1:1.58	0.446	0.08	18.94	20.20	1.337	0.596	22.1
Head Test Data at the worst case with SIM 2											
Right cheek	20	QPSK 50RB_0	40240/25555	1:1.58	0.471	0.01	18.94	20.20	1.337	0.630	22.1
Head Test Data at the worst case with Battery 2#											
Right cheek	20	QPSK 50RB_0	40240/25555	1:1.58	0.478	-0.02	18.94	20.20	1.337	0.639	22.1
Body worn Test data(Separate 15mm 1RB)											
Front side	20	QPSK 1RB_99	40240/25555	1:1.58	0.106	0.03	22.88	24.20	1.355	0.144	22.1
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	**0.115**	0.05	22.88	24.20	1.355	**0.156**	22.1
Body worn Test data (Separate 15mm 50%RB)											
Front side	20	QPSK 50RB_0	40840/2615	1:1.58	0.050	0.06	21.89	23.20	1.352	0.067	22.1
Back side	20	QPSK 50RB_0	40840/2615	1:1.58	0.058	0.03	21.89	23.20	1.352	0.078	22.1
Body Test Data at the worst case with SIM 2 (Separate 15mm)											
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	0.113	0.06	22.88	24.20	1.355	0.153	22.1
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	0.112	0.01	22.88	24.20	1.355	0.152	22.1
Hotspot Test data(Separate 10mm 1RB)											
Front side	20	QPSK 1RB_99	40240/25555	1:1.58	0.209	0.09	22.88	24.20	1.355	0.283	22.1
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	**0.289**	-0.02	22.88	24.20	1.355	**0.392**	22.1
Left side	20	QPSK 1RB_99	40240/25555	1:1.58	0.095	-0.03	22.88	24.20	1.355	0.128	22.1
Top side	20	QPSK 1RB_99	40240/25555	1:1.58	0.063	0.00	22.88	24.20	1.355	0.085	22.1
Hotspot Test data (Separate 10mm 50%RB)											
Front side	20	QPSK 50RB_0	40840/2615	1:1.58	0.113	-0.08	21.89	23.20	1.352	0.153	22.1
Back side	20	QPSK 50RB_0	40840/2615	1:1.58	0.161	0.07	21.89	23.20	1.352	0.218	22.1
Left side	20	QPSK 50RB_0	40840/2615	1:1.58	0.059	-0.03	21.89	23.20	1.352	0.080	22.1
Top side	20	QPSK 50RB_0	40840/2615	1:1.58	0.064	0.03	21.89	23.20	1.352	0.087	22.1
Body Test Data at the worst case with SIM 2 (Separate 10mm)											
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	0.263	0.02	22.88	24.20	1.355	0.356	22.1
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Back side	20	QPSK 1RB_99	40240/25555	1:1.58	0.281	0.06	22.88	24.20	1.355	0.381	22.1

Table 12：SAR of LTE Band 41 for Head and Body.

Note:

1)The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2)Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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8.3.13 SAR Result of WIFI 2.4G

Ant 1 Test Record											
Test position	**Test mode**	**Test Ch./Freq.**	**Duty Cycle**	**Duty Cycle Scaled factor**	**SAR (W/kg)1-g**	**Power drift(dB)**	**Conducted power(dBm)**	**Tune up Limit(dBm)**	**Scaled factor**	**Scaled SAR(W/kg)**	**Liquid Temp.**
Head Test data											
Left cheek	802.11b	1/2412	98.74%	1.01	0.130	0.07	10.56	12.10	1.426	0.187	22
Left tilted	802.11b	1/2412	98.74%	1.01	**0.176**	0.06	10.56	12.10	1.426	**0.253**	22
Right cheek	802.11b	1/2412	98.74%	1.01	0.112	-0.06	10.56	12.10	1.426	0.161	22
Right tilted	802.11b	1/2412	98.74%	1.01	0.145	-0.06	10.56	12.10	1.426	0.209	22
Head Test Data at the worst case with Battery 2#											
Left tilted	802.11b	1/2412	98.74%	1.01	0.156	0.05	10.56	12.10	1.426	0.225	22
Body worn Test data(Separate 15mm)											
Front side	802.11b	11/2462	98.74%	1.01	0.016	0.03	17.78	19.00	1.324	0.021	22
Back side	802.11b	11/2462	98.74%	1.01	**0.064**	-0.04	17.78	19.00	1.324	**0.086**	22
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	802.11b	11/2462	98.74%	1.01	0.061	-0.18	17.78	19.00	1.324	0.082	22
Hotspot Test data (Separate 10mm)											
Front side	802.11b	11/2462	98.74%	1.01	0.090	-0.04	17.78	19.00	1.324	0.120	22
Back side	802.11b	11/2462	98.74%	1.01	0.140	0.18	17.78	19.00	1.324	0.187	22
Right side	802.11b	11/2462	98.74%	1.01	0.033	-0.03	17.78	19.00	1.324	0.043	22
Top side	802.11b	11/2462	98.74%	1.01	**0.287**	0.10	17.78	19.00	1.324	**0.384**	22
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Top side	802.11b	11/2462	98.74%	1.01	0.281	-0.02	17.78	19.00	1.324	0.376	22

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Ant 2 Test Record											
Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data											
Left cheek	802.11b	11/2462	98.74%	1.01	**0.201**	0.08	10.25	12.10	1.531	**0.312**	22
Left tilted	802.11b	11/2462	98.74%	1.01	0.087	0.06	10.25	12.10	1.531	0.136	22
Right cheek	802.11b	11/2462	98.74%	1.01	0.021	-0.05	10.25	12.10	1.531	0.032	22
Right tilted	802.11b	11/2462	98.74%	1.01	0.016	0.03	10.25	12.10	1.531	0.024	22
Head Test Data at the worst case with Battery 2#											
Left cheek	802.11b	11/2462	98.74%	1.01	0.193	0.17	10.25	12.10	1.531	0.299	22
Body worn Test data(Separate 15mm)											
Front side	802.11b	11/2462	98.74%	1.01	0.071	-0.06	17.74	19.00	1.337	0.096	22
Back side	802.11b	11/2462	98.74%	1.01	**0.090**	-0.10	17.74	19.00	1.337	**0.122**	22
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	802.11b	11/2462	98.74%	1.01	0.080	-0.08	17.74	19.00	1.337	0.108	22
Hotspot Test data (Separate 10mm)											
Front side	802.11b	11/2462	98.74%	1.01	0.139	-0.11	17.74	19.00	1.337	0.188	22
Back side	802.11b	11/2462	98.74%	1.01	0.163	-0.04	17.74	19.00	1.337	0.221	22
Right side	802.11b	11/2462	98.74%	1.01	**0.250**	0.03	17.74	19.00	1.337	**0.338**	22
Top side	802.11b	11/2462	98.74%	1.01	0.098	0.05	17.74	19.00	1.337	0.132	22
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Right side	802.11b	11/2462	98.74%	1.01	0.227	-0.19	17.74	19.00	1.337	0.307	22

Table 13：SAR of WIFI 2.4G for Head and Body.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

4) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ⩽ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

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8.3.14 SAR Result of WIFI 5G

Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data of U-NII-2A											
Left cheek	802.11a	60/5300	98.36%	1.02	0.217	0.07	12.08	12.60	1.127	0.249	22.2
Left tilted	802.11a	60/5300	98.36%	1.02	**0.225**	0.05	12.08	12.60	1.127	0.258	22.2
Right cheek	802.11a	60/5300	98.36%	1.02	0.025	0.04	12.08	12.60	1.127	0.029	22.2
Right tilted	802.11a	60/5300	98.36%	1.02	0.015	0.07	12.08	12.60	1.127	0.017	22.2
Head Test data of U-NII-2C											
Left cheek	802.11a	104/5520	98.36%	1.02	0.143	0.00	12.08	12.60	1.127	0.164	22.2
Left tilted	802.11a	104/5520	98.36%	1.02	0.201	0.00	12.08	12.60	1.127	0.230	22.2
Right cheek	802.11a	104/5520	98.36%	1.02	0.052	0.00	12.08	12.60	1.127	0.060	22.2
Right tilted	802.11a	104/5520	98.36%	1.02	0.033	-0.06	12.08	12.60	1.127	0.038	22.2
Head Test data of U-NII-3											
Left cheek	802.11a	157/5785	98.36%	1.02	0.153	-0.11	12.00	12.60	1.148	0.179	22.2
Left tilted	802.11a	157/5785	98.36%	1.02	0.222	-0.03	12.00	12.60	1.148	**0.259**	22.2
Right cheek	802.11a	157/5785	98.36%	1.02	0.047	0.06	12.00	12.60	1.148	0.054	22.2
Right tilted	802.11a	157/5785	98.36%	1.02	0.026	0.03	12.00	12.60	1.148	0.031	22.2
Head Test Data at the worst case with Battery 2#											
Left tilted	802.11a	157/5785	98.36%	1.02	0.217	-0.04	12.00	12.60	1.148	0.253	22.2
Body worn Test data of U-NII-2A (Separate 15mm)											
Front side	802.11a	60/5300	98.36%	1.02	0.065	-0.01	16.67	17.50	1.211	0.080	22.2
Back side	802.11a	60/5300	98.36%	1.02	0.073	-0.01	16.67	17.50	1.211	0.089	22.2
Body worn Test data of U-NII-2C(Separate 15mm)											
Front side	802.11a	104/5520	98.36%	1.02	0.045	-0.09	16.78	17.50	1.180	0.054	22.2
Back side	802.11a	104/5520	98.36%	1.02	0.055	-0.06	16.78	17.50	1.180	0.066	22.2
Body worn Test data of U-NII-3(Separate 15mm)											
Front side	802.11a	161/5805	98.36%	1.02	0.057	0.04	16.06	17.50	1.393	0.081	22.2
Back side	802.11a	161/5805	98.36%	1.02	**0.087**	0.00	16.06	17.50	1.393	**0.123**	22.2
Body Test Data at the worst case with Battery 2# (Separate 15mm)											
Back side	802.11a	161/5805	98.36%	1.02	0.086	0.00	16.06	17.50	1.393	0.122	22.2
Hotspot Test data of U-NII-1(Separate 10mm)											
Front side	802.11a	48/5240	98.36%	1.02	0.066	0.10	16.59	17.50	1.233	0.083	22.2
Back side	802.11a	48/5240	98.36%	1.02	0.099	-0.19	16.59	17.50	1.233	0.124	22.2
Left side	802.11a	48/5240	98.36%	1.02	0.003	0.09	16.59	17.50	1.233	0.003	22.2
Right side	802.11a	48/5240	98.36%	1.02	0.210	-0.04	16.59	17.50	1.233	0.263	22.2
Top side	802.11a	48/5240	98.36%	1.02	0.100	-0.06	16.59	17.50	1.233	0.125	22.2
Hotspot Test data of U-NII-3 (Separate 10mm)											
Front side	802.11a	161/5805	98.36%	1.02	0.096	-0.06	16.06	17.50	1.393	0.135	22.2
Back side	802.11a	161/5805	98.36%	1.02	0.134	-0.10	16.06	17.50	1.393	0.190	22.2
Right side	802.11a	161/5805	98.36%	1.02	**0.234**	-0.06	16.06	17.50	1.393	**0.331**	22.2
Top side	802.11a	161/5805	98.36%	1.02	0.114	-0.09	16.06	17.50	1.393	0.161	22.2
Body Test Data at the worst case with Battery 2# (Separate 10mm)											
Right side	802.11a	161/5805	98.36%	1.02	0.220	-0.07	16.06	17.50	1.393	0.312	22.2

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Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)10-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Product specific 10g SAR Test data of U-NII-2A(Separate 0mm)											
Front side	802.11a	60/5300	98.36%	1.02	0.460	0.00	16.67	17.50	1.211	0.566	22.2
Back side	802.11a	60/5300	98.36%	1.02	0.719	0.09	16.67	17.50	1.211	0.885	22.2
Right side	802.11a	60/5300	98.36%	1.02	**1.050**	0.09	16.67	17.50	1.211	**1.292**	22.2
Top side	802.11a	60/5300	98.36%	1.02	0.452	0.07	16.67	17.50	1.211	0.556	22.2
Product specific 10g SAR Test data of U-NII-2C(Separate 0mm)											
Front side	802.11a	104/5520	98.36%	1.02	0.403	0.00	16.78	17.50	1.180	0.484	22.2
Back side	802.11a	104/5520	98.36%	1.02	0.631	0.00	16.78	17.50	1.180	0.757	22.2
Right side	802.11a	104/5520	98.36%	1.02	0.941	19.00	16.78	17.50	1.180	1.129	22.2
Top side	802.11a	104/5520	98.36%	1.02	0.344	0.06	16.78	17.50	1.180	0.413	22.2
Body Test Data at the worst case with Battery 2# (Separate 0mm)											
Right side	802.11a	60/5300	98.36%	1.02	1.000	0.04	16.67	17.50	1.211	1.231	22.2

Table 14：SAR of WIFI 5G for Head, Body and Product specific 10g SAR.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.
2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).
3) Each channel was tested at the lowest data rate.
4) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is ⩽ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration.
5) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
6) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ⩽ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

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8.3.15 SAR Result of BT

Test position	Test mode	Test Ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg)1-g	Power drift(dB)	Conducted power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR(W/kg)	Liquid Temp.
Head Test data											
Left cheek	DH5	10/2412	76.78%	1.30	0.087	0.01	9.52	11.00	1.406	0.160	22
Left tilted	DH5	10/2412	76.78%	1.30	**0.099**	0.17	9.52	11.00	1.406	**0.182**	22
Right cheek	DH5	10/2412	76.78%	1.30	0.065	0.16	9.52	11.00	1.406	0.120	22
Right tilted	DH5	10/2412	76.78%	1.30	0.099	-0.01	9.52	11.00	1.406	0.181	22
Head Test Data at the worst case with Battery 2#											
Left tilted	DH5	10/2412	76.78%	1.30	0.098	0.11	9.52	11.00	1.406	0.179	22
Body worn Test data(Separate 15mm)											
Front side	DH5	5/2432	76.78%	1.30	0.056	0.01	15.83	17.50	1.469	0.108	22
Back side	DH5	5/2432	76.78%	1.30	**0.071**	0.06	15.83	17.50	1.469	**0.135**	22
Body worn Test Data at the worst case with Battery 2#											
Back side	DH5	5/2432	76.78%	1.30	0.063	0.09	15.83	17.50	1.469	0.121	22
Hotspot Test data (Separate 10mm)											
Front side	DH5	5/2432	76.78%	1.30	0.112	-0.02	15.83	17.50	1.469	0.214	22
Back side	DH5	5/2432	76.78%	1.30	0.144	0.09	15.83	17.50	1.469	0.276	22
Right side	DH5	5/2432	76.78%	1.30	0.022	-0.18	15.83	17.50	1.469	0.042	22
Top side	DH5	5/2432	76.78%	1.30	0.265	-0.05	15.83	17.50	1.469	0.507	22
Hotspot Test Data at the worst case with Battery 2#											
Top side	DH5	5/2432	76.78%	1.30	**0.268**	-0.01	15.83	17.50	1.469	**0.513**	22

Table 15：SAR of BT for Head and Body.

Note:

1) The maximum measured SAR value and Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per FCC KDB Publication 447498 D01, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≤ 0.8 W/kg then testing at the other channels is not required for such test configuration(s).

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

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8.4 Multiple Transmitter Evaluation

8.4.1Simultaneous SAR SAR test evaluation

- **Simultaneous Transmission Possibilities (BT is at low power level B)**

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1) + BT	Yes	Yes	N/A	Yes
2	GSM DATA(Ant 1) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 2) + BT	Yes	Yes	N/A	Yes
4	GSM DATA (Ant 2)+ BT	N/A	Yes	Yes	Yes
5	WCDMA (Ant 1) + BT	Yes	Yes	Yes	Yes
6	WCDMA (Ant 2) + BT	Yes	Yes	Yes	Yes
7	LTE(Ant 1) + BT	Yes	Yes	Yes	Yes
8	LTE (Ant 2) + BT	Yes	Yes	Yes	Yes
9	GSM Voice(Ant 1) + BT+ Wi-Fi 5G	Yes	Yes	N/A	Yes
10	GSM DATA(Ant 1) + BT+ Wi-Fi 5G	N/A	Yes	Yes	Yes
11	GSM Voice(Ant 2) + BT+ Wi-Fi 5G	Yes	Yes	N/A	Yes
12	GSM DATA (Ant 2)+ BT+ Wi-Fi 5G	N/A	Yes	Yes	Yes
13	WCDMA (Ant 1) + BT+ Wi-Fi 5G	Yes	Yes	Yes	Yes
14	WCDMA (Ant 2) + BT+ Wi-Fi 5G	Yes	Yes	Yes	Yes
15	LTE (Ant 1) + BT+ Wi-Fi 5G	Yes	Yes	Yes	Yes
16	LTE (Ant 2) + BT+ Wi-Fi 5G	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1) + BT+ Wi-Fi 2.4G (Ant2)	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1) + BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 2) + BT+ Wi-Fi 2.4G (Ant2)	Yes	Yes	N/A	Yes
20	GSM DATA (Ant 2)+ BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	Yes	Yes
21	WCDMA (Ant 1) + BT+ Wi-Fi 2.4G (Ant2)	Yes	Yes	Yes	Yes
22	WCDMA (Ant 2) + BT+ Wi-Fi 2.4G (Ant2)	Yes	Yes	Yes	Yes
23	LTE (Ant 1) + BT+ Wi-Fi 2.4G (Ant2)	Yes	Yes	Yes	Yes
24	LTE (Ant 2) + BT+ Wi-Fi 2.4G (Ant2)	Yes	Yes	Yes	Yes
25	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G+ BT	Yes	Yes	N/A	Yes
26	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G+BT	N/A	Yes	Yes	Yes
27	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G+ BT	Yes	Yes	N/A	Yes
28	GSM Voice (Ant 2) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G+BT	N/A	Yes	Yes	Yes
29	WCDMA (Ant 1) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G+BT	Yes	Yes	Yes	Yes
30	WCDMA (Ant 2) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G+BT	Yes	Yes	Yes	Yes
31	LTE (Ant 1) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G+BT	Yes	Yes	Yes	Yes
32	LTE (Ant 2) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G+BT	Yes	Yes	Yes	Yes

Note:
1) Wi-Fi 2.4G Ant.1 cannot transmit simultaneously with BT. While Wi-Fi 2.4G Ant.2 can transmit simultaneously with BT.
2) Wi-Fi 5G can transmit simultaneously with Bluetooth.
3) Wi-Fi 2.4G& Wi-Fi 5G can't work at same mode, but they can transmit simultaneously at different modes (Wi-Fi station/P-to-P) by using different Wi-Fi antennas.
4) The device does not support DTM function.
5) * VoLTE or pre-installed VOIP applications are considered.
6) The Main Antenna (Ant1) and Second Antenna (Ant 2) can't transmit simultaneously.
7) The device supports Vo-WIFI function.
8) WIFI 2.4G hotspot does not support CDD/MIMO mode.

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- **Simultaneous Transmission Possibilities (BT is at high power level A)**

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1) + BT	N/A	Yes	N/A	Yes
2	GSM DATA(Ant 1) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 2) + BT	N/A	Yes	N/A	Yes
4	GSM DATA (Ant 2)+ BT	N/A	Yes	Yes	Yes
5	WCDMA (Ant 1) + BT	N/A	Yes	Yes	Yes
6	WCDMA (Ant 1) + BT	N/A	Yes	Yes	Yes
7	LTE(Ant 1) + BT	N/A	Yes	Yes	Yes
8	LTE (Ant 2) + BT	N/A	Yes	Yes	Yes
9	GSM Voice(Ant 1) + BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	N/A	Yes
10	GSM DATA(Ant 1) + BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	Yes	Yes
11	GSM Voice(Ant 2) + BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	N/A	Yes
12	GSM DATA (Ant 2)+ BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	Yes	Yes
13	WCDMA (Ant 1) + BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	Yes	Yes
14	WCDMA (Ant 2) + BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	Yes	Yes
15	LTE (Ant 1) + BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	Yes	Yes
16	LTE (Ant 2) + BT+ Wi-Fi 2.4G (Ant2)	N/A	Yes	Yes	Yes
17	GSM Voice(Ant 1) + BT+ Wi-Fi 5G	N/A	Yes	N/A	Yes
18	GSM DATA(Ant 1) + BT+ Wi-Fi 5G	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 2) + BT+ Wi-Fi 5G	N/A	Yes	N/A	Yes
20	GSM DATA (Ant 2)+ BT+ Wi-Fi 5G	N/A	Yes	Yes	Yes
21	WCDMA (Ant 1) + BT+ Wi-Fi 5G	N/A	Yes	Yes	Yes
22	WCDMA (Ant 2) + BT+ Wi-Fi 5G	N/A	Yes	Yes	Yes
23	LTE (Ant 1) + BT+ Wi-Fi 5G	N/A	Yes	Yes	Yes
24	LTE (Ant 2) + BT+ Wi-Fi 5G	N/A	Yes	Yes	Yes

Note:
To sum up, compared above two Table, the simultaneous transmission possibilities A differences between Bluetooth at power level A and level power B are as below:

When WiFi 2.4G and 5G are both on at the same time, BT can only work at power B. BT High Power A will be limited by design.

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- **Simultaneous Transmission Possibilities (BT off)**

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1)+ Wi-Fi 2.4G (Ant1)	N/A	Yes	N/A	Yes
2	GSM DATA(Ant 1)+ Wi-Fi 2.4G (Ant1)	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 2)+ Wi-Fi 2.4G (Ant1)	N/A	Yes	N/A	Yes
4	GSM DATA (Ant 2) + Wi-Fi 2.4G (Ant1)	N/A	Yes	Yes	Yes
5	WCDMA (Ant 1)+ Wi-Fi 2.4G (Ant1)	N/A	Yes	Yes	Yes
6	WCDMA (Ant 2)+ Wi-Fi 2.4G (Ant1)	N/A	Yes	Yes	Yes
7	LTE (Ant 1)+ Wi-Fi 2.4G (Ant1)	N/A	Yes	Yes	Yes
8	LTE (Ant 2)+ Wi-Fi 2.4G (Ant1)	N/A	Yes	Yes	Yes
9	GSM Voice(Ant 1) + Wi-Fi 5G	N/A	Yes	N/A	Yes
10	GSM DATA(Ant 1) + Wi-Fi 5G	N/A	Yes	Yes	Yes
11	GSM Voice(Ant 2) + Wi-Fi 5G	N/A	Yes	N/A	Yes
12	GSM DATA (Ant 2) + Wi-Fi 5G	N/A	Yes	Yes	Yes
13	WCDMA (Ant 1) + Wi-Fi 5G	N/A	Yes	Yes	Yes
14	WCDMA (Ant 2) + Wi-Fi 5G	N/A	Yes	Yes	Yes
15	LTE (Ant 1) + Wi-Fi 5G	N/A	Yes	Yes	Yes
16	LTE (Ant 2) + Wi-Fi 5G	N/A	Yes	Yes	Yes
17	GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant1+Ant2)	N/A	Yes	N/A	Yes
18	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant1+Ant2)	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant1+Ant2)	N/A	Yes	N/A	Yes
20	GSM DATA (Ant 2) + Wi-Fi 2.4G (Ant1+Ant2)	N/A	Yes	Yes	Yes
21	WCDMA (Ant 1) + Wi-Fi 2.4G (Ant1+Ant2)	N/A	Yes	Yes	Yes
22	WCDMA (Ant 2) + Wi-Fi 2.4G (Ant1+Ant2)	N/A	Yes	Yes	Yes
23	LTE (Ant 1) + Wi-Fi 2.4G (Ant1+Ant2)	N/A	Yes	Yes	Yes
24	LTE (Ant 2) + Wi-Fi 2.4G (Ant1+Ant2)	N/A	Yes	Yes	Yes
25	Wi-Fi 2.4G (Ant1+Ant2)	N/A	Yes	Yes	Yes
26	GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G	Yes	Yes	N/A	Yes
27	GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G	N/A	Yes	Yes	Yes
28	GSM Voice（(Ant 1) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G	Yes	Yes	N/A	Yes
29	GSM Voice (Ant 2) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G	N/A	Yes	Yes	Yes
30	WCDMA (Ant 1) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G	Yes	Yes	Yes	Yes
31	WCDMA (Ant 2) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G	Yes	Yes	Yes	Yes
32	LTE (Ant 1) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G	Yes	Yes	Yes	Yes
33	LTE (Ant 2) + Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G	Yes	Yes	Yes	Yes
34	Wi-Fi 2.4G (Ant 2) +Wi-Fi 5G	Yes	Yes	N/A	Yes

Note:
For Wi-Fi 5G, U-NII-2A(5250-5350 MHz) and U-NII-2C(5470-5725 MHz) bands does not support hotspot function.

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8.4.2 Simultaneous Transmission SAR Summation Scenario

Test position		Main Antenna SARmax (W/kg)												WiFi Antenna SARmax (W/kg)					Summed 1g SARmax (W/kg)
		GSM850	GSM1900	WCDMA Band II	WCDMA Band IV	WCDMA Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Core0	WLAN 2.4G Core1	WLAN 2.4G CDD/MIMO (2+3)	WLAN 5G	BT	
		1												2	3	4	5	6	Max1+Max(2,3,4,5,6) or 1+Max(3,5)+6 or 1+3+5 or 1+3+5+6
Head	Left Touch	0.057	0.109	0.109	0.220	0.077	0.186	0.211	0.060	0.432	0.050	0.264	0.246	0.187	0.312	0.499	0.249	0.160	**1.153**
	Left Tilt	0.029	0.045	0.048	0.083	0.046	0.085	0.084	0.042	0.245	0.058	0.137	0.129	0.253	0.136	0.389	0.259	0.182	0.822
	Right Touch	0.068	0.053	0.131	0.159	0.098	0.136	0.155	0.091	0.301	0.068	0.197	0.178	0.161	0.032	0.193	0.060	0.120	0.513
	Right Tilt	0.023	0.056	0.103	0.091	0.035	0.078	0.094	0.035	0.228	0.048	0.152	0.159	0.209	0.024	0.233	0.038	0.181	0.471
Body-worn	Front	0.203	0.111	0.136	0.179	0.294	0.225	0.187	0.262	0.162	0.182	0.147	0.144	0.021	0.096	0.117	0.081	0.108	0.579
	Back	0.248	0.161	0.201	0.213	0.355	0.274	0.213	0.313	0.252	0.224	0.177	0.185	0.086	0.122	0.208	0.123	0.135	**0.735**
Hotspot	Front	0.308	0.168	0.267	0.344	0.507	0.435	0.370	0.451	0.337	0.353	0.283	0.281	0.120	0.188	0.308	0.135	0.214	1.044
	Back	0.412	0.270	0.340	0.412	0.608	0.558	0.392	0.613	0.459	0.508	0.365	0.360	0.187	0.221	0.408	0.190	0.276	1.300
	Left	0.330	0.084	0.143	0.265	0.419	0.251	0.236	0.407	0.220	0.345	0.194	0.190	/	/	/	0.003	0.049	0.471
	Right	0.073	0.061	0.118	0.135	0.110	0.202	0.130	0.092	0.105	0.080	0.121	0.099	0.043	0.338	0.381	0.331	0.042	0.913
	Top	/	/	/	/	/	/	/	/	/	/	/	/	0.384	0.132	0.516	0.161	0.513	0.806
	Bottom	0.232	0.473	**0.537**	0.737	0.352	0.961	0.702	0.273	0.638	0.287	0.465	0.495	/	/	/	/	/	**0.961**

Test position		Main Antenna SARmax (W/kg)												WiFi Antenna SARmax (W/kg)					Summed 10g SARmax (W/kg)
		GSM850	GSM1900	WCDMA Band II	WCDMA Band IV	WCDMA Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Core0	WLAN 2.4G Core1	WLAN 2.4G CDD/MIMO (2+3)	WLAN 5G	BT	
		1												2	3	4	5	6	Max1+Max(2,3,4,5,6) or 1+Max(3,5)+6 or 1+3+5 or 1+3+5+6
Product specific 10g SAR	Front	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.566	/	0.566
	Back	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.885	/	0.885
	Left	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.020	/	0.020
	Right	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	**1.292**	/	**1.292**
	Top	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.556	/	0.556
	Bottom	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Test position		Second Antenna SARmax (W/kg)												WiFi Antenna SARmax (W/kg)					Summed 1g SARmax (W/kg)
		GSM850	GSM1900	WCDMA Band II	WCDMA Band IV	WCDMA Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Core0	WLAN 2.4G Core1	WLAN 2.4G CDD/MIMO (2+3)	WLAN 5G	BT	
		1												2	3	4	5	6	Max1+Max(2,3,4,5,6) or 1+Max(3,5)+6 or 1+3+5 or 1+3+5+6
Head	Left Touch	0.677	0.172	0.144	0.323	0.687	0.209	0.250	0.736	0.386	0.397	0.604	0.502	0.187	0.312	0.499	0.249	0.160	**1.457**
	Left Tilt	0.635	0.186	0.203	0.231	0.613	0.232	0.197	0.703	0.334	0.404	0.600	0.449	0.253	0.136	0.389	0.259	0.182	1.280
	Right Touch	0.723	0.580	**0.799**	0.790	0.759	0.681	0.741	0.920	0.521	0.498	0.799	0.694	0.161	0.032	0.193	0.060	0.120	1.132
	Right Tilt	0.700	0.606	0.784	0.677	0.687	0.676	0.561	0.760	0.415	0.434	0.612	0.596	0.209	0.024	0.233	0.038	0.181	1.027
Body-worn	Front	0.096	0.041	0.189	0.254	0.215	0.127	0.189	0.187	0.221	0.133	0.104	0.144	0.021	0.096	0.117	0.081	0.108	0.539
	Back	0.245	0.075	0.231	0.267	0.292	0.223	0.225	0.255	0.265	0.187	0.110	0.156	0.086	0.122	0.208	0.123	0.135	**0.672**
Hotspot	Front	0.480	0.086	0.354	0.366	0.459	0.281	0.329	0.404	0.347	0.272	0.228	0.283	0.120	0.188	0.308	0.135	0.214	1.017
	Back	0.546	0.138	0.485	0.456	0.614	0.468	0.397	0.488	0.448	0.381	0.327	0.392	0.187	0.221	0.408	0.190	0.276	1.301
	Left	0.550	0.133	0.520	0.621	0.535	0.404	0.592	0.487	0.236	0.339	0.112	0.128	/	/	/	0.003	0.049	0.673
	Right	/	/	/	/	/	/	/	/	/	/	/	/	0.043	0.338	0.381	0.331	0.042	0.711
	Top	0.467	0.144	0.447	0.387	0.502	0.373	0.348	0.419	0.175	0.309	0.118	0.087	0.384	0.132	0.516	0.161	0.513	1.308
	Bottom	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Test position		Second Antenna SARmax (W/kg)												WiFi Antenna SARmax (W/kg)					Summed 10g SARmax (W/kg)
		GSM850	GSM1900	WCDMA Band II	WCDMA Band IV	WCDMA Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 26	LTE Band 38	LTE Band 41	WLAN 2.4G Core0	WLAN 2.4G Core1	WLAN 2.4G CDD/MIMO (2+3)	WLAN 5G	BT	
		1												2	3	4	5	6	Max1+Max(2,3,4,5,6) or 1+Max(3,5)+6 or 1+3+5 or 1+3+5+6
Product specific 10g SAR	Front	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.566	/	0.566
	Back	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.885	/	0.885
	Left	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.020	/	0.020
	Right	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	**1.292**	/	**1.292**
	Top	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.556	/	0.556
	Bottom	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

9 Equipment list

Test Platform	SPEAG DASY5 Professional
Description	SAR Test System (Frequency range 300MHz-6GHz)
Software Reference	DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Hardware Reference

	Equipment	Manufacturer	Model	Serial Number	Calibration Date	Due date of calibration
☒	Twin Phantom	SPEAG	SAM 1	1283	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 2	1913	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 3	1912	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 4	1640	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 6	1824	NCR	NCR
☒	ELI	SPEAG	ELI V5.0	1239	NCR	NCR
☒	DAE	SPEAG	DAE4	896	2018-11-08	2019-11-07
☒	DAE	SPEAG	DAE4	1374	2018-09-18	2019-09-17
☒	DAE	SPEAG	DAE4	1428	2019-01-11	2020-01-10
☒	E-Field Probe	SPEAG	EX3DV4	3923	2018-09-30	2019-09-29
☒	E-Field Probe	SPEAG	EX3DV4	3793	2019-03-25	2020-03-24
☒	E-Field Probe	SPEAG	EX3DV4	3962	2019-02-25	2020-02-24
☒	Validation Kits	SPEAG	D835V2	4d105	2016-12-08	2019-12-07
☒	Validation Kits	SPEAG	D1900V2	5d028	2016-12-07	2019-12-06
☒	Validation Kits	SPEAG	D2450V2	733	2016-12-07	2019-12-06
☒	Validation Kits	SPEAG	D2600V2	1125	2016-06-22	2019-06-21
☒	Validation Kits	SPEAG	D5GHzV2	1165	2016-12-13	2019-12-12
☒	Agilent Network Analyzer	Agilent	E5071C	MY46523590	2019-03-13	2020-03-12
☒	Dielectric Probe Kit	Agilent	85070E	US01440210	NCR	NCR
☒	Universal Radio Communication Tester	R&S	CMU200	123090	2018-06-21	2019-06-20
☒	Radio Communication Analyzer	Anritsu	MT8821C	6201502984	2018-05-02	2019-05-01
☒	RF Bi-Directional Coupler	Agilent	86205-60001	MY31400031	NCR	NCR
☒	Signal Generator	Agilent	N5171B	MY53050736	2019-03-13	2020-03-12
☒	Preamplifier	Mini-Circuits	ZHL-42W	15542	NCR	NCR
☒	Preamplifier	Compliance Directions Systems Inc.	AMP28-3W	073501433	NCR	NCR
☒	Power Meter	Agilent	E4416A	GB41292095	2019-03-13	2020-03-12
☒	Power Sensor	Agilent	8481H	MY41091234	2019-03-13	2020-03-12
☒	Power Sensor	R&S	NRP-Z92	100025	2019-03-13	2020-03-12

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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com
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☒	Attenuator	SHX	TS2-3dB	30704	NCR	NCR
☒	Coaxial low pass filter	Mini-Circuits	VLF-2500(+)	NA	NCR	NCR
☒	Coaxial low pass filter	Microlab Fxr	LA-F13	NA	NCR	NCR
☒	50 Ω coaxial load	Mini-Circuits	KARN-50+	00850	NCR	NCR
☒	DC POWER SUPPLY	SAKO	SK1730SL5A	NA	NCR	NCR
☒	Speed reading thermometer	MingGao	T809	NA	2019-03-18	2020-03-17
☒	Humidity and Temperature Indicator	KIMTOKA	KIMTOKA	NA	2019-03-18	2020-03-17

Note: All the equipments are within the valid period when the tests are performed.

10 Calibration certificate

Please see the Appendix C

11 Photographs

Please see the Appendix D

Appendix A: Detailed System Check Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

Appendix E: Antenna Locations

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