

LTE Band 41 (class 2&3) WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off				Conducted Power(dBm)					Tune up
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	
5MHz	QPSK	1	0	17.69	17.71	17.63	17.57	17.57	18.20
		1	13	17.80	17.73	17.80	17.73	17.78	18.20
		1	24	17.72	17.69	17.69	17.61	17.72	18.20
		12	0	17.88	17.94	17.82	17.85	17.79	18.20
		12	6	17.87	17.93	17.95	17.91	17.86	18.20
		12	13	17.79	17.91	17.87	17.88	17.87	18.20
		25	0	17.86	17.83	17.82	17.83	17.76	18.20
	16QAM	1	0	17.92	17.88	17.91	17.82	17.85	18.20
		1	13	17.99	17.95	17.96	17.93	17.95	18.20
		1	24	17.89	17.94	17.94	17.83	17.89	18.20
		12	0	17.73	17.80	17.79	17.72	17.64	18.20
		12	6	17.86	17.84	17.80	17.91	17.68	18.20
		12	13	17.85	17.88	17.75	17.75	17.83	18.20
		25	0	17.91	17.80	17.77	17.71	17.73	18.20
	64QAM	1	0	17.63	17.73	17.62	17.53	17.61	18.20
		1	13	17.84	17.70	17.86	17.67	17.75	18.20
		1	24	17.71	17.70	17.66	17.61	17.66	18.20
		12	0	17.97	17.85	17.92	17.84	17.74	18.20
		12	6	17.82	17.90	17.96	17.84	17.82	18.20
		12	13	17.76	17.89	17.86	17.86	17.93	18.20
		25	0	17.90	17.89	17.82	17.70	17.72	18.20
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	17.65	17.63	17.61	17.58	17.60	18.20
		1	25	17.79	17.66	17.61	17.59	17.57	18.20
		1	49	17.80	17.58	17.71	17.62	17.74	18.20
		25	0	17.78	17.72	17.90	17.85	17.76	18.20
		25	13	17.95	17.90	17.79	17.83	17.89	18.20
		25	25	17.85	17.84	17.81	17.77	17.95	18.20
		50	0	17.90	17.92	17.80	17.79	17.85	18.20
	16QAM	1	0	17.88	17.97	17.84	17.96	17.86	18.20
		1	25	17.99	17.92	17.89	17.86	17.89	18.20
		1	49	18.04	17.86	17.82	17.86	17.75	18.20
		25	0	17.82	17.68	17.67	17.66	17.52	18.20
		25	13	17.72	17.84	17.75	17.74	17.78	18.20
		25	25	17.71	17.87	17.76	17.72	17.74	18.20
		50	0	17.96	17.83	17.73	17.81	17.84	18.20
	64QAM	1	0	17.62	17.65	17.59	17.51	17.67	18.20
		1	25	17.73	17.55	17.57	17.58	17.54	18.20
		1	49	17.81	17.62	17.74	17.62	17.71	18.20
		25	0	17.85	17.72	17.95	17.74	17.74	18.20
		25	13	17.92	17.88	17.75	17.77	17.88	18.20
		25	25	17.86	17.83	17.79	17.87	17.90	18.20
		50	0	17.88	17.87	17.79	17.81	17.88	18.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	17.89	17.90	17.88	17.86	17.82	18.20
		1	38	17.80	17.74	17.76	17.69	17.80	18.20
		1	74	18.00	17.90	17.95	17.97	17.86	18.20
		36	0	17.96	17.92	17.97	17.93	17.96	18.20
		36	18	18.02	18.12	18.04	18.05	17.90	18.20
		36	39	18.10	18.03	17.91	17.89	17.98	18.20
		75	0	18.06	18.09	18.02	17.93	17.88	18.20
	16QAM	1	0	18.11	18.05	18.03	18.03	18.00	18.20
		1	38	18.02	17.99	18.07	18.03	18.05	18.20
		1	74	18.07	17.97	18.05	17.96	17.99	18.20
		36	0	18.01	17.84	17.85	17.90	17.76	18.20
		36	18	17.95	17.93	17.94	17.92	17.79	18.20
		36	39	18.06	17.90	17.73	17.64	17.82	18.20
		75	0	18.04	17.99	17.93	17.94	17.79	18.20
	64QAM	1	0	17.80	17.80	17.87	17.86	17.87	18.20
		1	38	17.87	17.80	17.75	17.73	17.82	18.20
		1	74	18.01	17.92	17.89	17.89	17.92	18.20
		36	0	18.02	17.93	17.90	17.97	17.96	18.20
		36	18	18.00	18.05	17.99	18.03	17.97	18.20
		36	39	18.06	18.03	17.95	17.85	18.02	18.20
		75	0	18.07	18.11	18.03	17.94	17.94	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	17.83	17.86	17.82	17.82	17.78	18.20
		1	50	18.04	17.78	17.02	18.03	18.04	18.20
		1	99	17.86	18.01	17.83	17.94	17.68	18.20
		50	0	17.97	17.94	18.06	18.01	17.85	18.20
		50	25	18.07	18.03	17.90	17.86	17.92	18.20
		50	50	18.09	17.91	17.96	18.00	18.02	18.20
		100	0	18.07	18.06	17.88	17.88	17.95	18.20
	16QAM	1	0	17.96	17.89	18.07	18.04	17.95	18.20
		1	50	18.09	18.05	18.04	18.04	18.08	18.20
		1	99	18.08	17.99	18.08	18.03	17.93	18.20
		50	0	18.00	17.82	17.90	17.98	17.93	18.20
		50	25	17.97	18.06	17.89	17.87	17.98	18.20
		50	50	18.03	18.03	17.89	18.01	17.83	18.20
		100	0	18.01	18.06	17.80	17.84	17.97	18.20
	64QAM	1	0	17.91	17.84	17.80	17.84	17.85	18.20
		1	50	17.77	17.79	17.66	17.74	17.73	18.20
		1	99	17.95	17.78	17.83	17.90	17.59	18.20
		50	0	17.96	18.01	18.04	17.96	17.82	18.20
		50	25	18.03	18.05	17.86	17.84	17.95	18.20
		50	50	18.01	17.97	17.99	18.01	17.90	18.20
		100	0	18.03	17.97	17.92	17.85	17.94	18.20

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LTE Band 41 (class 2&3) WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	14.98	14.78	14.83	14.87	14.87	15.50
		1	13	14.85	14.82	15.00	14.97	15.11	15.50
		1	24	14.89	14.85	14.94	14.95	15.09	15.50
		12	0	15.03	15.10	15.08	15.05	15.18	15.50
		12	6	15.09	15.14	15.12	15.06	15.26	15.50
		12	13	14.99	14.99	15.09	15.10	15.18	15.50
	16QAM	25	0	15.04	15.09	15.08	15.01	15.12	15.50
		1	0	15.38	15.35	15.04	15.41	15.01	15.50
		1	13	15.40	15.03	15.09	15.15	15.04	15.50
		1	24	15.34	15.34	15.42	15.30	15.04	15.50
		12	0	15.13	15.20	15.35	15.17	15.29	15.50
		12	6	15.22	15.25	15.34	15.13	15.36	15.50
	64QAM	12	13	15.21	15.23	15.20	15.17	15.34	15.50
		25	0	15.21	15.14	15.21	15.21	15.33	15.50
		1	0	15.33	15.24	15.22	15.11	15.33	15.50
		1	13	15.34	15.41	15.14	15.23	15.05	15.50
		1	24	15.29	15.13	15.36	15.31	15.39	15.50
		12	0	15.27	15.12	15.14	15.11	15.27	15.50
		12	6	15.28	15.16	15.26	15.15	15.27	15.50
		12	13	15.29	15.12	15.21	15.18	15.36	15.50
		25	0	15.20	15.19	15.18	15.09	15.24	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	14.87	14.84	14.97	14.93	14.95	15.50
		1	25	14.77	14.82	14.90	14.90	14.97	15.50
		1	49	14.85	14.85	14.93	14.93	15.01	15.50
		25	0	15.09	14.97	15.03	14.97	15.19	15.50
		25	13	15.07	15.12	15.20	15.17	15.21	15.50
		25	25	15.05	15.06	15.15	15.06	15.22	15.50
	16QAM	50	0	15.04	15.07	15.04	15.11	15.05	15.50
		1	0	15.31	15.25	15.08	15.39	15.05	15.50
		1	25	15.33	15.32	15.40	15.28	15.43	15.50
		1	49	15.32	15.35	15.31	15.38	15.07	15.50
		25	0	15.24	15.17	15.08	15.01	15.20	15.50
		25	13	15.19	15.25	15.19	15.06	15.27	15.50
	64QAM	25	25	15.22	15.20	15.13	15.04	15.26	15.50
		50	0	15.20	15.22	15.27	15.10	15.38	15.50
		1	0	15.08	15.17	15.45	15.41	15.03	15.50
		1	25	15.39	15.23	15.36	15.09	15.08	15.50
		1	49	15.35	15.34	15.36	15.00	15.39	15.50
		25	0	15.25	15.06	15.22	15.02	15.25	15.50
		25	13	15.23	15.24	15.32	15.14	15.20	15.50
		25	25	15.15	15.08	15.16	15.15	15.20	15.50
		50	0	15.26	15.20	15.18	15.10	15.23	15.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	15.03	15.03	15.23	15.17	15.21	15.50
		1	38	15.07	15.12	15.12	15.05	15.25	15.50
		1	74	14.93	15.14	15.30	15.17	15.39	15.50
		36	0	15.17	15.25	15.20	15.13	15.30	15.50
		36	18	15.22	15.24	15.23	15.25	15.29	15.50
		36	39	15.19	15.14	15.24	15.26	15.30	15.50
		75	0	15.24	15.25	15.22	15.14	15.41	15.50
	16QAM	1	0	15.14	15.04	15.04	15.47	15.09	15.50
		1	38	15.35	15.44	15.42	15.44	15.02	15.50
		1	74	15.43	15.03	15.08	15.05	15.00	15.50
		36	0	15.27	15.28	15.35	15.32	15.42	15.50
		36	18	15.36	15.33	15.31	15.30	15.46	15.50
		36	39	15.28	15.34	15.37	15.33	15.44	15.50
		75	0	15.37	15.46	15.44	15.33	15.03	15.50
	64QAM	1	0	15.02	15.37	15.26	15.19	15.37	15.50
		1	38	15.41	15.24	15.34	15.14	15.39	15.50
		1	74	15.17	15.33	15.42	15.24	15.09	15.50
		36	0	15.37	15.34	15.44	15.31	15.41	15.50
		36	18	15.39	15.39	15.43	15.27	15.34	15.50
		36	39	15.36	15.34	15.42	15.40	15.04	15.50
		75	0	15.46	15.44	15.44	15.37	15.46	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	15.12	14.91	15.23	15.11	15.18	15.50
		1	50	14.83	15.01	15.04	14.93	15.15	15.50
		1	99	14.85	14.99	15.08	15.04	15.19	15.50
		50	0	15.22	15.20	15.38	15.21	15.32	15.50
		50	25	15.05	15.25	15.24	15.30	15.37	15.50
		50	50	15.20	15.30	15.25	15.29	15.36	15.50
		100	0	15.20	15.25	15.23	15.29	15.38	15.50
	16QAM	1	0	15.04	15.04	15.06	15.18	15.09	15.50
		1	50	15.40	15.45	15.42	15.39	15.09	15.50
		1	99	15.28	15.47	15.02	15.42	15.05	15.50
		50	0	15.39	15.41	15.44	15.35	15.18	15.50
		50	25	15.18	15.40	15.44	15.41	15.41	15.50
		50	50	15.36	15.39	15.44	15.40	15.02	15.50
		100	0	15.38	15.43	15.46	15.40	15.44	15.50
	64QAM	1	0	15.24	15.17	15.35	15.29	15.43	15.50
		1	50	15.17	15.32	15.33	15.22	15.39	15.50
		1	99	15.05	15.27	15.28	15.27	15.02	15.50
		50	0	15.31	15.17	15.41	15.39	15.17	15.50
		50	25	15.42	15.46	15.05	15.17	15.45	15.50
		50	50	15.28	15.45	15.38	15.41	15.41	15.50
		100	0	15.42	15.40	15.00	15.40	15.43	15.50

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Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	18.74	18.70	18.64	18.59	18.61	19.20
		1	13	18.82	18.74	18.78	18.74	18.74	19.20
		1	24	18.71	18.74	18.66	18.66	18.68	19.20
		12	0	18.93	18.90	18.85	18.81	18.75	19.20
		12	6	18.87	18.93	18.92	18.91	18.83	19.20
		12	13	18.85	18.91	18.88	18.85	18.88	19.20
	16QAM	25	0	18.87	18.87	18.81	18.79	18.77	19.20
		1	0	18.94	18.89	18.87	18.86	18.86	19.20
		1	13	19.01	18.98	18.98	18.95	18.92	19.20
		1	24	18.92	18.92	18.90	18.88	18.88	19.20
		12	0	18.79	18.86	18.75	18.71	18.70	19.20
		12	6	18.84	18.88	18.85	18.88	18.73	19.20
	64QAM	12	13	18.83	18.85	18.81	18.81	18.82	19.20
		25	0	18.90	18.79	18.77	18.77	18.76	19.20
		1	0	18.69	18.73	18.62	18.59	18.64	19.20
		1	13	18.82	18.74	18.83	18.73	18.72	19.20
		1	24	18.68	18.74	18.71	18.64	18.66	19.20
		12	0	18.97	18.88	18.88	18.85	18.71	19.20
10MHz	QPSK	12	6	18.88	18.96	18.97	18.89	18.87	19.20
		12	13	18.80	18.89	18.92	18.85	18.89	19.20
		25	0	18.88	18.92	18.85	18.74	18.78	19.20
	16QAM	39700		18.65	18.63	18.62	18.60	18.64	19.20
		1	0	18.65	18.63	18.62	18.60	18.64	19.20
		1	25	18.76	18.63	18.58	18.62	18.56	19.20
		1	49	18.76	18.55	18.72	18.67	18.75	19.20
		25	0	18.78	18.73	18.86	18.81	18.75	19.20
		25	13	18.92	18.90	18.81	18.80	18.94	19.20
	64QAM	25	25	18.85	18.86	18.84	18.83	18.91	19.20
		50	0	18.87	18.89	18.81	18.84	18.84	19.20
		1	0	18.91	19.02	18.88	18.92	18.86	19.20
		1	25	18.98	18.94	18.88	18.87	18.94	19.20
		1	49	19.09	18.90	18.84	18.86	18.81	19.20
		25	0	18.82	18.73	18.65	18.68	18.58	19.20
	16QAM	25	13	18.76	18.86	18.76	18.78	18.78	19.20
		25	25	18.73	18.89	18.76	18.72	18.74	19.20
		50	0	18.92	18.85	18.79	18.82	18.86	19.20
	64QAM	1	0	18.63	18.64	18.62	18.56	18.69	19.20
		1	25	18.72	18.61	18.53	18.59	18.60	19.20
		1	49	18.79	18.59	18.75	18.64	18.75	19.20
		25	0	18.82	18.71	18.91	18.76	18.73	19.20
		25	13	18.97	18.88	18.81	18.79	18.90	19.20
		25	25	18.88	18.89	18.83	18.86	18.90	19.20
		50	0	18.90	18.92	18.80	18.82	18.88	19.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	18.87	18.88	18.88	18.86	18.84	19.20
		1	38	18.84	18.77	18.75	18.75	18.79	19.20
		1	74	19.02	18.93	18.93	18.94	18.89	19.20
		36	0	19.00	18.95	18.93	18.98	18.94	19.20
		36	18	19.03	19.08	19.06	19.10	18.94	19.20
		36	39	19.13	19.02	18.91	18.88	19.00	19.20
		75	0	19.09	19.07	18.99	18.96	18.94	19.20
	16QAM	1	0	19.11	19.12	19.07	19.09	19.04	19.20
		1	38	19.04	19.00	19.06	19.08	19.06	19.20
		1	74	19.08	19.01	19.02	19.02	19.05	19.20
		36	0	18.97	18.82	18.83	18.88	18.81	19.20
		36	18	18.94	18.94	18.95	18.96	18.79	19.20
		36	39	19.08	18.89	18.69	18.65	18.84	19.20
		75	0	19.03	18.97	18.92	18.95	18.84	19.20
	64QAM	1	0	18.82	18.83	18.90	18.84	18.83	19.20
		1	38	18.88	18.81	18.74	18.75	18.80	19.20
		1	74	19.06	18.93	18.89	18.90	18.90	19.20
		36	0	19.01	18.99	18.89	18.99	18.97	19.20
		36	18	19.05	19.07	19.02	19.10	18.97	19.20
		36	39	19.10	19.07	18.96	18.91	19.02	19.20
		75	0	19.04	19.12	19.03	18.96	18.93	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	18.88	18.83	18.83	18.84	18.78	19.20
		1	50	19.12	18.81	18.04	19.00	19.11	19.20
		1	99	18.87	19.06	18.85	18.90	18.70	19.20
		50	0	18.98	18.99	19.02	18.98	18.86	19.20
		50	25	19.05	19.05	18.89	18.86	18.96	19.20
		50	50	19.05	18.95	19.00	18.99	18.98	19.20
		100	0	19.12	19.06	18.93	18.89	18.99	19.20
	16QAM	1	0	18.93	18.92	19.07	19.03	18.99	19.20
		1	50	19.07	19.07	19.06	19.09	19.04	19.20
		1	99	19.08	18.96	19.06	19.03	18.94	19.20
		50	0	19.00	18.86	18.95	18.98	18.89	19.20
		50	25	19.03	19.03	18.86	18.90	18.97	19.20
		50	50	18.99	19.01	18.92	18.97	18.86	19.20
		100	0	19.09	19.03	18.84	18.82	18.96	19.20
	64QAM	1	0	18.92	18.87	18.78	18.89	18.81	19.20
		1	50	18.74	18.77	18.72	18.77	18.76	19.20
		1	99	18.92	18.77	18.89	18.91	18.65	19.20
		50	0	19.01	19.04	19.06	18.94	18.87	19.20
		50	25	19.00	19.05	18.86	18.87	18.92	19.20
		50	50	19.01	18.93	19.01	18.97	18.96	19.20
		100	0	19.09	19.01	18.88	18.84	18.95	19.20

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LTE Band 66 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	14.32	14.27	14.34	15.70
		1	2	14.51	14.49	14.42	15.70
		1	5	14.47	14.47	14.27	15.70
		3	0	14.50	14.35	14.35	15.70
		3	1	14.52	14.47	14.34	15.70
		3	3	14.44	14.41	14.28	15.70
		6	0	14.54	14.47	14.32	15.70
	16QAM	1	0	14.87	14.70	14.76	15.70
		1	2	15.00	14.88	14.90	15.70
		1	5	14.90	14.84	14.70	15.70
		3	0	14.62	14.62	14.70	15.70
		3	1	14.86	14.75	14.33	15.70
		3	3	14.64	14.70	14.46	15.70
		6	0	14.73	14.72	14.62	15.70
	64QAM	1	0	14.82	14.55	14.71	15.70
		1	2	14.78	14.60	14.66	15.70
		1	5	14.67	14.65	14.44	15.70
		3	0	14.43	14.56	14.70	15.70
		3	1	14.86	14.47	14.21	15.70
		3	3	14.56	14.53	14.31	15.70
		6	0	14.65	14.52	14.43	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	14.41	14.35	14.28	15.70
		1	7	14.50	14.51	14.24	15.70
		1	14	14.41	14.57	14.41	15.70
		8	0	14.50	14.49	14.42	15.70
		8	4	14.68	14.57	14.54	15.70
		8	7	14.66	14.66	14.50	15.70
		15	0	14.56	14.49	14.48	15.70
	16QAM	1	0	14.89	14.78	15.17	15.70
		1	7	14.84	14.59	14.62	15.70
		1	14	15.15	14.82	14.77	15.70
		8	0	14.78	14.73	14.59	15.70
		8	4	14.80	14.70	14.60	15.70
		8	7	14.87	14.82	14.64	15.70
		15	0	14.80	14.60	14.58	15.70
	64QAM	1	0	14.61	14.66	15.00	15.70
		1	7	14.81	14.32	14.45	15.70
		1	14	15.12	14.70	14.61	15.70
		8	0	14.50	14.52	14.52	15.70
		8	4	14.67	14.49	14.52	15.70
		8	7	14.63	14.57	14.57	15.70
		15	0	14.78	14.45	14.57	15.70

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	14.42	14.40	14.34	15.70
		1	13	14.44	14.54	14.53	15.70
		1	24	14.46	14.46	14.34	15.70
		12	0	14.68	14.46	14.43	15.70
		12	6	14.64	14.46	14.44	15.70
		12	13	14.61	14.48	14.50	15.70
		25	0	14.57	14.51	14.41	15.70
	16QAM	1	0	14.94	14.97	14.79	15.70
		1	13	14.79	14.74	15.38	15.70
		1	24	15.21	15.29	15.07	15.70
		12	0	14.77	14.61	14.64	15.70
		12	6	14.86	14.64	14.62	15.70
		12	13	14.67	14.68	14.65	15.70
		25	0	14.77	14.66	14.55	15.70
	64QAM	1	0	14.90	14.71	14.59	15.70
		1	13	14.71	14.61	15.36	15.70
		1	24	15.11	15.07	14.94	15.70
		12	0	14.64	14.56	14.41	15.70
		12	6	14.61	14.43	14.37	15.70
		12	13	14.57	14.40	14.50	15.70
		25	0	14.52	14.40	14.32	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	14.47	14.33	14.40	15.70
		1	25	14.51	14.41	14.36	15.70
		1	49	14.38	14.43	14.45	15.70
		25	0	14.48	14.41	14.39	15.70
		25	13	14.59	14.54	14.48	15.70
		25	25	14.48	14.50	14.48	15.70
		50	0	14.64	14.47	14.54	15.70
	16QAM	1	0	14.62	15.09	14.47	15.70
		1	25	14.79	14.91	14.78	15.70
		1	49	14.99	15.20	14.93	15.70
		25	0	14.79	14.62	14.62	15.70
		25	13	14.54	14.74	14.68	15.70
		25	25	14.71	14.73	14.53	15.70
		50	0	14.70	14.73	14.70	15.70
	64QAM	1	0	14.55	15.08	14.32	15.70
		1	25	14.66	14.72	14.67	15.70
		1	49	14.84	15.03	14.88	15.70
		25	0	14.55	14.43	14.35	15.70
		25	13	14.32	14.65	14.45	15.70
		25	25	14.65	14.69	14.41	15.70
		50	0	14.43	14.59	14.49	15.70

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	14.66	14.61	14.56	15.70
		1	38	14.73	14.45	14.41	15.70
		1	74	14.60	14.50	14.46	15.70
		36	0	14.74	14.59	14.60	15.70
		36	18	14.74	14.57	14.67	15.70
		36	39	14.75	14.65	14.70	15.70
		75	0	14.70	14.58	14.60	15.70
	16QAM	1	0	15.09	15.10	15.01	15.70
		1	38	15.21	14.99	15.02	15.70
		1	74	15.11	15.10	14.92	15.70
		36	0	14.87	14.90	14.71	15.70
		36	18	14.88	14.90	14.70	15.70
		36	39	14.88	14.79	14.72	15.70
		75	0	14.97	14.79	14.84	15.70
	64QAM	1	0	14.82	15.03	15.01	15.70
		1	38	15.16	14.84	14.84	15.70
		1	74	15.04	14.85	14.78	15.70
		36	0	14.63	14.82	14.44	15.70
		36	18	14.73	14.87	14.53	15.70
		36	39	14.79	14.63	14.47	15.70
		75	0	14.82	14.67	14.79	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	14.71	14.72	14.36	15.70
		1	50	14.36	14.55	14.35	15.70
		1	99	14.64	14.58	14.32	15.70
		50	0	14.67	14.59	14.68	15.70
		50	25	14.75	14.57	14.65	15.70
		50	50	14.69	14.68	14.58	15.70
		100	0	14.67	14.60	14.49	15.70
	16QAM	1	0	15.26	15.09	15.41	15.70
		1	50	14.88	14.74	14.65	15.70
		1	99	15.15	15.20	14.81	15.70
		50	0	14.87	14.84	14.85	15.70
		50	25	14.94	14.87	14.88	15.70
		50	50	14.87	14.93	14.91	15.70
		100	0	14.84	14.79	14.79	15.70
	64QAM	1	0	15.17	15.04	15.28	15.70
		1	50	14.69	14.49	14.48	15.70
		1	99	14.97	14.92	14.62	15.70
		50	0	14.75	14.83	14.72	15.70
		50	25	14.75	14.77	14.68	15.70
		50	50	14.86	14.69	14.84	15.70
		100	0	14.62	14.64	14.71	15.70

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LTE Band 66 Receiver off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	17.25	17.14	17.21	18.50
		1	2	17.47	17.21	17.21	18.50
		1	5	17.27	17.18	17.21	18.50
		3	0	17.32	17.26	17.16	18.50
		3	1	17.45	17.30	17.11	18.50
		3	3	17.47	17.22	17.07	18.50
		6	0	17.45	17.29	17.18	18.50
	16QAM	1	0	17.67	17.39	17.31	18.50
		1	2	18.09	17.39	17.33	18.50
		1	5	17.61	17.58	17.22	18.50
		3	0	17.17	17.08	17.26	18.50
		3	1	17.43	17.37	17.22	18.50
		3	3	17.37	17.39	17.20	18.50
		6	0	17.44	17.29	17.29	18.50
	64QAM	1	0	17.98	17.88	17.71	18.50
		1	2	17.57	17.45	17.47	18.50
		1	5	17.65	17.56	17.74	18.50
		3	0	17.82	17.82	17.78	18.50
		3	1	17.86	17.64	17.84	18.50
		3	3	17.79	17.95	17.72	18.50
		6	0	18.07	17.77	17.79	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	17.44	17.23	17.17	18.50
		1	7	17.23	17.39	17.11	18.50
		1	14	17.44	17.23	17.06	18.50
		8	0	17.52	17.39	17.29	18.50
		8	4	17.55	17.36	17.31	18.50
		8	7	17.49	17.47	17.26	18.50
		15	0	17.46	17.32	17.29	18.50
	16QAM	1	0	17.74	17.20	17.44	18.50
		1	7	17.44	17.46	17.33	18.50
		1	14	17.73	17.90	17.57	18.50
		8	0	17.47	17.40	17.29	18.50
		8	4	17.52	17.42	17.34	18.50
		8	7	17.48	17.43	17.20	18.50
		15	0	17.57	17.38	17.22	18.50
	64QAM	1	0	17.66	17.38	17.21	18.50
		1	7	17.29	17.47	17.17	18.50
		1	14	17.72	17.31	17.19	18.50
		8	0	17.74	17.52	17.43	18.50
		8	4	17.69	17.53	17.32	18.50
		8	7	17.76	17.61	17.43	18.50
		15	0	17.49	17.41	17.32	18.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	17.19	17.32	17.31	18.50
		1	13	17.52	17.35	17.47	18.50
		1	24	17.45	17.39	17.41	18.50
		12	0	17.58	17.40	17.34	18.50
		12	6	17.58	17.39	17.38	18.50
		12	13	17.52	17.44	17.44	18.50
	16QAM	25	0	17.49	17.37	17.38	18.50
		1	0	18.10	17.97	17.54	18.50
		1	13	17.80	17.76	17.99	18.50
		1	24	17.75	17.98	17.44	18.50
		12	0	17.58	17.51	17.50	18.50
		12	6	17.53	17.24	17.52	18.50
	64QAM	12	13	17.46	17.46	17.49	18.50
		25	0	17.39	17.44	17.36	18.50
		1	0	17.47	17.60	17.43	18.50
		1	13	17.79	17.61	17.58	18.50
		1	24	17.65	17.47	17.63	18.50
		12	0	17.72	17.65	17.40	18.50
10MHz	QPSK	12	6	17.70	17.60	17.47	18.50
		12	13	17.62	17.67	17.60	18.50
		25	0	17.63	17.61	17.39	18.50
	16QAM	1	0	17.32	17.47	17.39	18.50
		1	25	17.43	17.27	17.23	18.50
		1	49	17.22	17.24	17.41	18.50
	64QAM	25	0	17.46	17.38	17.36	18.50
		25	13	17.55	17.39	17.49	18.50
		25	25	17.43	17.45	17.43	18.50
		50	0	17.59	17.41	17.41	18.50
	16QAM	1	0	17.80	17.72	17.92	18.50
		1	25	17.43	17.62	17.50	18.50
		1	49	17.83	17.56	17.96	18.50
		25	0	17.40	17.45	17.37	18.50
		25	13	17.64	17.44	17.52	18.50
	64QAM	25	25	17.56	17.58	17.54	18.50
		50	0	17.51	17.48	17.41	18.50
		1	0	17.49	17.70	17.56	18.50
		1	25	17.62	17.31	17.42	18.50
		1	49	17.35	17.39	17.66	18.50
		25	0	17.50	17.53	17.54	18.50
	16QAM	25	13	17.74	17.56	17.58	18.50
		25	25	17.61	17.66	17.53	18.50
		50	0	17.81	17.68	17.49	18.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	17.48	17.45	17.43	18.50
		1	38	17.62	17.61	17.49	18.50
		1	74	17.55	17.48	17.56	18.50
		36	0	17.59	17.58	17.58	18.50
		36	18	17.69	17.65	17.55	18.50
		36	39	17.69	17.65	17.68	18.50
		75	0	17.71	17.64	17.52	18.50
	16QAM	1	0	18.09	17.82	18.13	18.50
		1	38	17.81	17.66	18.10	18.50
		1	74	18.02	17.86	17.87	18.50
		36	0	17.74	17.50	17.63	18.50
		36	18	17.69	17.65	17.74	18.50
		36	39	17.69	17.61	17.67	18.50
		75	0	17.67	17.58	17.60	18.50
	64QAM	1	0	17.69	17.45	17.48	18.50
		1	38	17.76	17.88	17.75	18.50
		1	74	17.63	17.62	17.66	18.50
		36	0	17.75	17.61	17.86	18.50
		36	18	17.96	17.69	17.69	18.50
		36	39	17.74	17.67	17.79	18.50
		75	0	17.97	17.83	17.78	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	17.78	17.72	17.50	18.50
		1	50	17.79	17.42	17.44	18.50
		1	99	17.51	17.50	17.58	18.50
		50	0	17.74	17.71	17.56	18.50
		50	25	17.80	17.57	17.71	18.50
		50	50	17.73	17.69	17.60	18.50
		100	0	17.79	17.62	17.64	18.50
	16QAM	1	0	18.13	17.71	17.74	18.50
		1	50	17.89	17.65	17.65	18.50
		1	99	18.15	17.89	17.83	18.50
		50	0	17.60	17.64	17.58	18.50
		50	25	17.76	17.64	17.63	18.50
		50	50	17.65	17.62	17.65	18.50
		100	0	17.73	17.64	17.61	18.50
	64QAM	1	0	17.93	17.98	17.69	18.50
		1	50	17.72	17.62	17.44	18.50
		1	99	17.53	17.51	17.64	18.50
		50	0	17.81	17.78	17.68	18.50
		50	25	17.97	17.81	17.96	18.50
		50	50	17.93	17.86	17.80	18.50
		100	0	17.84	17.81	17.70	18.50

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LTE Band 66 WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	12.46	12.53	12.48	14.00
		1	2	12.67	12.65	12.51	14.00
		1	5	12.61	12.68	12.61	14.00
		3	0	12.63	12.58	12.45	14.00
		3	1	12.65	12.71	12.49	14.00
		3	3	12.59	12.67	12.60	14.00
		6	0	12.67	12.69	12.62	14.00
	16QAM	1	0	12.63	12.81	12.79	14.00
		1	2	13.01	13.04	12.75	14.00
		1	5	12.97	12.84	12.85	14.00
		3	0	12.58	12.46	12.48	14.00
		3	1	12.86	12.72	12.57	14.00
		3	3	12.61	12.60	12.70	14.00
		6	0	12.89	12.71	12.75	14.00
	64QAM	1	0	12.50	12.56	12.75	14.00
		1	2	12.95	12.89	12.56	14.00
		1	5	12.77	12.72	12.57	14.00
		3	0	12.48	12.18	12.26	14.00
		3	1	12.85	12.64	12.57	14.00
		3	3	12.59	12.36	12.47	14.00
		6	0	12.65	12.50	12.69	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	12.58	12.57	12.44	14.00
		1	7	12.70	12.69	12.73	14.00
		1	14	12.72	12.71	12.69	14.00
		8	0	12.74	12.72	12.57	14.00
		8	4	12.86	12.78	12.72	14.00
		8	7	12.81	12.86	12.74	14.00
		15	0	12.83	12.73	12.65	14.00
	16QAM	1	0	12.81	12.76	12.41	14.00
		1	7	12.77	12.45	12.83	14.00
		1	14	12.92	13.12	12.40	14.00
		8	0	12.79	12.70	12.44	14.00
		8	4	12.83	12.76	12.66	14.00
		8	7	12.76	12.81	12.64	14.00
		15	0	12.86	12.70	12.68	14.00
	64QAM	1	0	12.77	12.64	12.23	14.00
		1	7	12.51	12.26	12.62	14.00
		1	14	12.81	13.04	12.37	14.00
		8	0	12.62	12.45	12.33	14.00
		8	4	12.71	12.75	12.46	14.00
		8	7	12.49	12.60	12.58	14.00
		15	0	12.67	12.46	12.58	14.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	12.65	12.73	12.62	14.00
		1	13	12.89	12.87	12.69	14.00
		1	24	12.68	12.78	12.67	14.00
		12	0	12.90	12.74	12.75	14.00
		12	6	12.87	12.78	12.72	14.00
		12	13	12.83	12.79	12.79	14.00
		25	0	12.93	12.71	12.71	14.00
	16QAM	1	0	12.93	12.82	12.97	14.00
		1	13	13.59	13.05	12.73	14.00
		1	24	13.46	12.85	12.83	14.00
		12	0	12.88	12.78	12.70	14.00
		12	6	13.00	12.78	12.72	14.00
		12	13	12.90	12.77	12.72	14.00
		25	0	12.83	12.75	12.71	14.00
	64QAM	1	0	12.68	12.66	12.89	14.00
		1	13	13.53	13.02	12.73	14.00
		1	24	13.36	12.61	12.70	14.00
		12	0	12.74	12.71	12.50	14.00
		12	6	12.81	12.55	12.60	14.00
		12	13	12.88	12.49	12.71	14.00
		25	0	12.83	12.67	12.60	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	132022	132322	132622	14.00
		1	25	12.72	12.58	12.79	14.00
		1	49	12.82	12.53	12.66	14.00
		1	49	12.71	12.70	12.58	14.00
		25	0	12.65	12.72	12.73	14.00
		25	13	12.84	12.77	12.80	14.00
		25	25	12.82	12.77	12.81	14.00
		50	0	13.00	12.75	12.77	14.00
	16QAM	1	0	13.13	12.47	12.86	14.00
		1	25	13.52	13.06	13.41	14.00
		1	49	13.27	13.44	12.92	14.00
		25	0	12.75	12.59	12.68	14.00
		25	13	12.82	12.81	12.84	14.00
		25	25	12.91	12.68	12.77	14.00
		50	0	12.93	12.72	12.75	14.00
	64QAM	1	0	13.02	12.21	12.70	14.00
		1	25	13.30	12.95	13.13	14.00
		1	49	13.14	13.32	12.92	14.00
		25	0	12.69	12.40	12.53	14.00
		25	13	12.59	12.54	12.82	14.00
		25	25	12.83	12.48	12.49	14.00
		50	0	12.67	12.60	12.54	14.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	12.93	12.86	12.85	14.00
		1	38	12.77	12.78	12.71	14.00
		1	74	12.80	12.80	12.63	14.00
		36	0	13.00	12.91	12.85	14.00
		36	18	13.00	12.80	12.93	14.00
		36	39	12.96	12.93	12.94	14.00
		75	0	13.04	12.80	12.94	14.00
	16QAM	1	0	12.95	13.11	13.49	14.00
		1	38	12.80	13.02	13.43	14.00
		1	74	13.36	13.11	13.02	14.00
		36	0	13.10	13.01	12.81	14.00
		36	18	13.02	12.90	12.97	14.00
		36	39	13.00	12.95	12.87	14.00
		75	0	13.00	12.89	12.89	14.00
	64QAM	1	0	12.87	13.05	13.36	14.00
		1	38	12.69	12.95	13.43	14.00
		1	74	13.09	12.98	12.77	14.00
		36	0	13.02	12.79	12.79	14.00
		36	18	13.02	12.67	12.79	14.00
		36	39	12.72	12.69	12.74	14.00
		75	0	12.89	12.64	12.79	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	13.04	13.05	12.90	14.00
		1	50	12.88	12.71	12.68	14.00
		1	99	12.98	12.79	12.78	14.00
		50	0	13.12	12.99	12.87	14.00
		50	25	13.13	12.92	12.84	14.00
		50	50	13.01	12.90	12.87	14.00
		100	0	13.02	12.93	12.87	14.00
	16QAM	1	0	13.33	13.10	13.33	14.00
		1	50	13.09	13.47	12.92	14.00
		1	99	13.07	12.98	12.98	14.00
		50	0	13.12	12.94	12.97	14.00
		50	25	13.02	12.93	12.87	14.00
		50	50	13.01	13.02	12.94	14.00
		100	0	12.99	12.91	12.95	14.00
	64QAM	1	0	13.17	13.00	13.17	14.00
		1	50	12.86	13.20	12.86	14.00
		1	99	13.07	12.94	12.82	14.00
		50	0	12.85	12.94	12.74	14.00
		50	25	12.84	12.81	12.63	14.00
		50	50	12.91	12.93	12.66	14.00
		100	0	12.85	12.72	12.88	14.00

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LTE Band 66 WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	15.59	15.43	15.36	16.80
		1	2	15.59	15.57	15.38	16.80
		1	5	15.53	15.47	15.36	16.80
		3	0	15.56	15.48	15.43	16.80
		3	1	15.62	15.51	15.28	16.80
		3	3	15.65	15.59	15.32	16.80
		6	0	15.64	15.55	15.45	16.80
	16QAM	1	0	15.97	16.18	15.72	16.80
		1	2	15.88	15.71	16.01	16.80
		1	5	16.16	15.56	15.72	16.80
		3	0	15.57	15.52	15.53	16.80
		3	1	15.72	15.65	15.33	16.80
		3	3	15.55	15.62	15.46	16.80
		6	0	15.53	15.61	15.50	16.80
	64QAM	1	0	15.93	16.07	15.54	16.80
		1	2	15.75	15.60	15.86	16.80
		1	5	16.07	15.56	15.49	16.80
		3	0	15.33	15.48	15.44	16.80
		3	1	15.51	15.37	15.31	16.80
		3	3	15.33	15.54	15.38	16.80
		6	0	15.48	15.43	15.26	16.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	15.72	15.57	15.46	16.80
		1	7	15.61	15.56	15.41	16.80
		1	14	15.73	15.56	15.39	16.80
		8	0	15.74	15.57	15.59	16.80
		8	4	15.67	15.66	15.62	16.80
		8	7	15.74	15.65	15.50	16.80
		15	0	15.71	15.63	15.63	16.80
	16QAM	1	0	15.84	15.97	15.62	16.80
		1	7	15.69	15.70	15.34	16.80
		1	14	15.75	16.31	15.85	16.80
		8	0	15.83	15.71	15.65	16.80
		8	4	15.81	15.74	15.74	16.80
		8	7	15.84	15.79	15.63	16.80
		15	0	15.77	15.66	15.60	16.80
	64QAM	1	0	15.60	15.93	15.39	16.80
		1	7	15.47	15.70	15.11	16.80
		1	14	15.60	16.20	15.83	16.80
		8	0	15.64	15.58	15.64	16.80
		8	4	15.57	15.53	15.66	16.80
		8	7	15.66	15.57	15.57	16.80
		15	0	15.75	15.63	15.37	16.80

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	15.59	15.62	15.57	16.80
		1	13	15.67	15.58	15.72	16.80
		1	24	15.71	15.69	15.67	16.80
		12	0	15.86	15.75	15.66	16.80
		12	6	15.82	15.71	15.65	16.80
		12	13	15.76	15.69	15.71	16.80
	16QAM	25	0	15.76	15.62	15.63	16.80
		1	0	16.03	15.87	15.99	16.80
		1	13	15.97	16.28	15.72	16.80
		1	24	15.98	16.30	16.16	16.80
		12	0	15.82	15.71	15.67	16.80
		12	6	15.85	15.75	15.78	16.80
	64QAM	12	13	15.90	15.84	15.78	16.80
		25	0	15.82	15.72	15.61	16.80
		1	0	16.03	15.60	15.96	16.80
		1	13	15.78	16.11	15.67	16.80
		1	24	15.72	16.07	16.15	16.80
		12	0	15.61	15.53	15.44	16.80
10MHz	QPSK	12	6	15.84	15.58	15.62	16.80
		12	13	15.76	15.67	15.65	16.80
		25	0	15.82	15.54	15.48	16.80
	16QAM	1	0	15.57	15.47	15.42	16.80
		1	25	15.50	15.65	15.56	16.80
		1	49	15.65	15.50	15.52	16.80
	64QAM	25	0	15.68	15.61	15.53	16.80
		25	13	15.79	15.66	15.70	16.80
		25	25	15.75	15.72	15.73	16.80
		50	0	15.82	15.65	15.66	16.80
		1	0	15.87	15.86	16.00	16.80
		1	25	15.65	15.90	15.72	16.80
		1	49	15.92	16.09	16.36	16.80
	16QAM	25	0	15.73	15.59	15.63	16.80
		25	13	15.89	15.67	15.82	16.80
		25	25	15.90	15.71	15.69	16.80
		50	0	15.81	15.66	15.70	16.80
	64QAM	1	0	15.84	15.77	15.91	16.80
		1	25	15.48	15.71	15.63	16.80
		1	49	15.80	15.95	16.36	16.80
		25	0	15.60	15.54	15.53	16.80
		25	13	15.86	15.60	15.59	16.80
		25	25	15.66	15.49	15.52	16.80
		50	0	15.64	15.45	15.54	16.80

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	16.06	15.78	15.79	16.80
		1	38	15.75	15.78	15.80	16.80
		1	74	15.80	15.91	15.68	16.80
		36	0	15.86	15.94	15.87	16.80
		36	18	15.97	15.83	15.86	16.80
		36	39	15.93	15.86	15.87	16.80
		75	0	16.03	15.85	15.79	16.80
	16QAM	1	0	16.12	16.03	15.95	16.80
		1	38	16.62	16.58	16.39	16.80
		1	74	16.52	16.69	16.19	16.80
		36	0	16.00	15.90	15.88	16.80
		36	18	16.06	15.91	15.91	16.80
		36	39	16.07	15.96	16.06	16.80
		75	0	15.94	15.96	15.83	16.80
	64QAM	1	0	16.12	15.76	15.82	16.80
		1	38	16.42	16.44	16.23	16.80
		1	74	16.38	16.43	16.16	16.80
		36	0	15.81	15.89	15.74	16.80
		36	18	16.06	15.80	15.78	16.80
		36	39	16.07	15.86	16.05	16.80
		75	0	15.81	15.96	15.60	16.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	16.01	15.97	15.84	16.80
		1	50	15.60	15.79	15.67	16.80
		1	99	15.78	15.77	15.62	16.80
		50	0	16.04	15.90	15.86	16.80
		50	25	16.00	15.90	15.99	16.80
		50	50	15.93	15.94	15.85	16.80
		100	0	16.06	15.92	15.94	16.80
	16QAM	1	0	16.15	16.67	16.26	16.80
		1	50	16.19	16.06	16.17	16.80
		1	99	16.11	15.90	16.09	16.80
		50	0	15.95	15.88	15.91	16.80
		50	25	16.14	15.98	15.97	16.80
		50	50	16.01	16.07	15.91	16.80
		100	0	16.02	15.94	15.95	16.80
	64QAM	1	0	16.10	16.59	16.06	16.80
		1	50	15.96	15.97	16.02	16.80
		1	99	16.07	15.66	16.06	16.80
		50	0	15.75	15.66	15.78	16.80
		50	25	15.97	15.87	15.83	16.80
		50	50	15.79	15.87	15.69	16.80
		100	0	15.74	15.71	15.88	16.80

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LTE Band 66 WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	13.49	13.43	13.34	15.00
		1	2	13.63	13.54	13.54	15.00
		1	5	13.64	13.74	13.59	15.00
		3	0	13.58	13.57	13.49	15.00
		3	1	13.66	13.67	13.58	15.00
		3	3	13.66	13.60	13.53	15.00
		6	0	13.69	13.61	13.63	15.00
	16QAM	1	0	14.67	13.80	13.81	15.00
		1	2	14.63	14.38	14.33	15.00
		1	5	14.19	14.40	13.88	15.00
		3	0	13.80	13.89	13.73	15.00
		3	1	13.88	13.85	13.44	15.00
		3	3	13.86	13.81	13.67	15.00
		6	0	14.11	13.96	13.73	15.00
	64QAM	1	0	13.86	14.39	13.72	15.00
		1	2	13.68	14.05	13.67	15.00
		1	5	13.98	13.79	13.73	15.00
		3	0	13.96	13.78	13.76	15.00
		3	1	14.01	13.88	13.65	15.00
		3	3	13.93	13.86	13.47	15.00
		6	0	13.95	13.78	13.73	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	13.67	13.68	13.44	15.00
		1	7	13.59	13.64	13.69	15.00
		1	14	13.87	13.76	13.74	15.00
		8	0	13.72	13.71	13.65	15.00
		8	4	13.78	13.75	13.66	15.00
		8	7	13.79	13.83	13.71	15.00
		15	0	13.81	13.73	13.61	15.00
	16QAM	1	0	14.07	14.44	13.77	15.00
		1	7	13.84	14.15	13.72	15.00
		1	14	14.00	14.00	13.96	15.00
		8	0	14.12	13.94	13.90	15.00
		8	4	14.05	13.95	13.93	15.00
		8	7	13.97	13.89	13.75	15.00
		15	0	14.00	13.99	13.81	15.00
	64QAM	1	0	14.67	13.62	13.79	15.00
		1	7	14.54	14.32	14.09	15.00
		1	14	14.19	14.32	13.79	15.00
		8	0	13.75	13.63	13.54	15.00
		8	4	13.83	13.62	13.31	15.00
		8	7	13.73	13.63	13.65	15.00
		15	0	14.11	13.90	13.50	15.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	13.77	13.70	13.77	15.00
		1	13	13.76	13.90	13.69	15.00
		1	24	13.88	13.72	13.75	15.00
		12	0	13.96	13.78	13.76	15.00
		12	6	13.96	13.83	13.82	15.00
		12	13	13.89	13.82	13.81	15.00
	16QAM	25	0	13.89	13.75	13.73	15.00
		1	0	13.80	13.82	14.29	15.00
		1	13	14.06	13.78	14.26	15.00
		1	24	14.02	14.31	13.90	15.00
		12	0	13.87	13.93	13.79	15.00
		12	6	13.95	13.95	13.87	15.00
	64QAM	12	13	13.92	13.84	13.78	15.00
		25	0	13.89	13.82	13.72	15.00
		1	0	14.03	14.17	13.58	15.00
		1	13	13.77	13.87	13.71	15.00
		1	24	13.98	13.92	13.87	15.00
		12	0	13.96	13.80	13.67	15.00
10MHz	QPSK	12	6	13.83	13.81	13.75	15.00
		12	13	13.93	13.68	13.55	15.00
		25	0	13.93	13.96	13.63	15.00
	16QAM	1	0	13.85	13.74	13.77	15.00
		1	25	13.82	13.82	13.60	15.00
		1	49	13.87	13.68	13.74	15.00
	64QAM	25	0	13.91	13.83	13.72	15.00
		25	13	13.92	13.80	13.80	15.00
		25	25	13.81	13.83	13.79	15.00
		50	0	13.86	13.78	13.74	15.00
	16QAM	1	0	14.10	14.14	14.12	15.00
		1	25	14.14	13.96	13.74	15.00
		1	49	14.02	13.80	13.90	15.00
		25	0	13.69	13.87	13.88	15.00
		25	13	13.97	13.77	13.88	15.00
		25	25	13.78	13.96	13.86	15.00
	64QAM	50	0	13.93	13.86	13.77	15.00
		1	0	13.62	13.71	14.13	15.00
		1	25	14.04	13.60	14.11	15.00
		1	49	13.74	14.24	13.80	15.00
		25	0	13.61	13.74	13.72	15.00
		25	13	13.87	13.91	13.73	15.00
		25	25	13.77	13.77	13.53	15.00
		50	0	13.67	13.57	13.52	15.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	14.07	13.90	13.80	15.00
		1	38	13.84	13.84	13.71	15.00
		1	74	13.78	13.79	13.67	15.00
		36	0	14.04	13.92	13.94	15.00
		36	18	14.05	13.88	13.97	15.00
		36	39	13.91	13.98	14.00	15.00
		75	0	13.99	13.90	14.01	15.00
	16QAM	1	0	14.59	14.31	14.42	15.00
		1	38	14.22	14.31	14.36	15.00
		1	74	14.01	14.08	14.54	15.00
		36	0	13.98	13.87	13.87	15.00
		36	18	14.02	13.93	13.95	15.00
		36	39	14.07	13.87	13.88	15.00
		75	0	14.07	13.92	13.90	15.00
	64QAM	1	0	14.03	14.01	13.98	15.00
		1	38	14.14	13.93	13.62	15.00
		1	74	13.75	13.80	13.79	15.00
		36	0	13.51	13.70	13.71	15.00
		36	18	13.93	13.54	13.65	15.00
		36	39	13.50	13.73	13.62	15.00
		75	0	13.79	13.68	13.60	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	14.04	14.06	13.93	15.00
		1	50	13.93	13.62	13.72	15.00
		1	99	13.98	13.71	13.76	15.00
		50	0	14.13	14.11	13.95	15.00
		50	25	14.15	13.90	14.00	15.00
		50	50	13.97	14.00	13.93	15.00
		100	0	14.07	13.90	13.86	15.00
	16QAM	1	0	14.63	14.15	14.20	15.00
		1	50	13.87	14.03	13.92	15.00
		1	99	14.37	14.13	13.70	15.00
		50	0	13.97	14.10	13.88	15.00
		50	25	13.97	13.92	13.94	15.00
		50	50	14.00	13.94	13.93	15.00
		100	0	14.06	13.90	13.89	15.00
	64QAM	1	0	14.34	14.10	14.16	15.00
		1	50	14.08	14.05	14.27	15.00
		1	99	13.78	13.90	14.33	15.00
		50	0	13.90	13.82	13.75	15.00
		50	25	14.00	13.88	13.82	15.00
		50	50	13.84	13.63	13.86	15.00
		100	0	13.96	13.82	13.68	15.00

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LTE Band 66 WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	16.68	16.58	16.39	17.80
		1	2	16.75	16.61	16.46	17.80
		1	5	16.70	16.67	16.42	17.80
		3	0	16.81	16.68	16.53	17.80
		3	1	16.83	16.75	16.58	17.80
		3	3	16.82	16.73	16.53	17.80
	16QAM	6	0	16.77	16.66	16.53	17.80
		1	0	16.90	16.97	16.66	17.80
		1	2	16.88	17.29	16.97	17.80
		1	5	17.02	17.09	16.62	17.80
		3	0	16.73	16.49	16.48	17.80
		3	1	16.67	16.74	16.66	17.80
	64QAM	3	3	16.83	16.74	16.44	17.80
		6	0	16.72	16.85	16.58	17.80
		1	0	16.59	16.38	16.38	17.80
		1	2	16.61	16.47	16.29	17.80
		1	5	16.50	16.52	16.39	17.80
		3	0	16.74	16.57	16.26	17.80
3MHz	QPSK	3	1	16.83	16.47	16.31	17.80
		3	3	16.73	16.68	16.33	17.80
		6	0	16.76	16.60	16.43	17.80
	16QAM	1	0	16.67	16.65	16.60	17.80
		1	7	16.80	16.79	16.50	17.80
		1	14	16.76	16.83	16.60	17.80
	64QAM	8	0	16.82	16.76	16.69	17.80
		8	4	16.92	16.82	16.75	17.80
		8	7	16.79	16.81	16.68	17.80
		15	0	16.86	16.79	16.78	17.80
	16QAM	1	0	16.83	16.77	17.29	17.80
		1	7	17.01	16.82	16.71	17.80
		1	14	16.83	16.71	16.88	17.80
		8	0	17.00	16.84	16.69	17.80
		8	4	17.03	16.88	16.82	17.80
		8	7	16.87	16.82	16.60	17.80
	16QAM	15	0	16.96	16.81	16.71	17.80
		1	0	16.66	16.50	16.40	17.80
		1	7	16.66	16.55	16.36	17.80
		1	14	16.49	16.62	16.57	17.80
		8	0	16.65	16.56	16.59	17.80
		8	4	16.87	16.78	16.47	17.80
	64QAM	8	7	16.72	16.59	16.59	17.80
		15	0	16.59	16.70	16.69	17.80

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	16.74	16.63	16.60	17.80
		1	13	16.77	16.71	16.72	17.80
		1	24	16.70	16.67	16.68	17.80
		12	0	16.87	16.77	16.68	17.80
		12	6	16.84	16.76	16.74	17.80
		12	13	16.78	16.80	16.72	17.80
	16QAM	25	0	16.81	16.70	16.66	17.80
		1	0	17.20	17.12	16.77	17.80
		1	13	17.26	16.79	16.86	17.80
		1	24	16.97	16.83	16.56	17.80
		12	0	16.92	16.83	16.74	17.80
		12	6	16.86	16.69	16.77	17.80
	64QAM	12	13	16.92	16.87	16.70	17.80
		25	0	16.82	16.65	16.70	17.80
		1	0	16.62	16.54	16.44	17.80
		1	13	16.68	16.47	16.51	17.80
		1	24	16.44	16.63	16.43	17.80
		12	0	16.72	16.64	16.40	17.80
10MHz	QPSK	12	6	16.76	16.54	16.64	17.80
		12	13	16.67	16.71	16.62	17.80
		25	0	16.69	16.49	16.44	17.80
	16QAM	1	0	16.78	16.73	16.71	17.80
		1	25	16.84	16.76	16.68	17.80
		1	49	16.70	16.63	16.75	17.80
	64QAM	25	0	16.73	16.69	16.72	17.80
		25	13	16.88	16.80	16.80	17.80
		25	25	16.79	16.76	16.78	17.80
		50	0	16.97	16.74	16.76	17.80
	16QAM	1	0	17.68	17.09	16.92	17.80
		1	25	17.16	17.21	17.09	17.80
		1	49	17.08	16.99	17.10	17.80
		25	0	16.81	16.64	16.67	17.80
		25	13	16.91	16.75	16.77	17.80
		25	25	16.79	16.79	16.87	17.80
	64QAM	50	0	16.84	16.67	16.71	17.80
		1	0	16.78	16.58	16.52	17.80
		1	25	16.80	16.75	16.56	17.80
		1	49	16.57	16.56	16.60	17.80
		25	0	16.59	16.41	16.48	17.80
		25	13	16.76	16.67	16.75	17.80
	16QAM	25	25	16.56	16.55	16.73	17.80
		50	0	16.93	16.51	16.51	17.80

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	16.89	16.86	16.95	17.80
		1	38	17.01	16.82	16.88	17.80
		1	74	16.87	16.79	16.94	17.80
		36	0	17.00	16.91	16.87	17.80
		36	18	17.07	16.90	16.99	17.80
		36	39	17.03	17.04	16.99	17.80
		75	0	17.00	16.93	16.86	17.80
	16QAM	1	0	17.34	17.29	17.56	17.80
		1	38	17.63	17.17	17.45	17.80
		1	74	17.44	17.26	17.19	17.80
		36	0	16.96	16.87	16.83	17.80
		36	18	16.93	16.84	16.89	17.80
		36	39	17.04	17.05	16.94	17.80
		75	0	17.07	16.99	17.03	17.80
	64QAM	1	0	16.77	16.73	16.67	17.80
		1	38	16.86	16.62	16.83	17.80
		1	74	16.64	16.66	16.91	17.80
		36	0	16.80	16.68	16.83	17.80
		36	18	16.88	16.72	16.98	17.80
		36	39	16.82	16.84	16.97	17.80
		75	0	16.96	16.79	16.82	17.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	16.94	16.98	16.77	17.80
		1	50	16.94	16.81	16.85	17.80
		1	99	16.84	16.78	16.83	17.80
		50	0	17.19	16.95	16.95	17.80
		50	25	17.04	16.87	16.93	17.80
		50	50	17.00	17.02	16.90	17.80
		100	0	16.99	16.98	16.91	17.80
	16QAM	1	0	17.08	17.31	17.17	17.80
		1	50	17.24	17.02	17.21	17.80
		1	99	17.48	17.20	17.16	17.80
		50	0	17.02	16.97	16.79	17.80
		50	25	17.05	16.92	16.97	17.80
		50	50	17.07	17.03	16.93	17.80
		100	0	17.08	16.92	16.94	17.80
	64QAM	1	0	16.90	16.77	16.53	17.80
		1	50	16.89	16.74	16.78	17.80
		1	99	16.59	16.75	16.60	17.80
		50	0	17.11	16.70	16.76	17.80
		50	25	17.03	16.62	16.67	17.80
		50	50	16.94	16.83	16.65	17.80
		100	0	16.97	16.73	16.85	17.80

Table 19: Conducted Power of LTE

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8.1.4 Conducted Power of Main Antenna(Ant3)

8.1.4.1 Conducted Power of GSM

GSM1900										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	28.81	28.79	28.68	30.00	-9.19	19.62	19.60	19.49	20.81
GPRS/EGPRS (GMSK)	1 TX Slot	28.78	28.78	28.75	30.00	-9.19	19.59	19.59	19.56	20.81
	2 TX Slots	26.78	27.03	26.88	28.50	-6.18	20.60	20.85	20.70	22.32
	3 TX Slots	24.68	24.98	24.68	26.50	-4.42	20.26	20.56	20.26	22.08
	4 TX Slots	23.62	23.82	23.75	25.50	-3.17	20.45	20.65	20.58	22.33
EGPRS(8PSK)	1 TX Slot	24.73	24.84	24.92	25.00	-9.19	15.54	15.65	15.73	15.81
	2 TX Slots	22.85	22.88	22.81	24.00	-6.18	16.67	16.70	16.63	17.82
	3 TX Slots	20.74	20.73	20.84	22.00	-4.42	16.32	16.31	16.42	17.58
	4 TX Slots	19.82	19.92	19.72	21.00	-3.17	16.65	16.75	16.55	17.83

Table 20: Conducted Power of GSM

Note:

- 4) . CMW500 measures GSM peak and average output power for active timeslots. For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

No. of timeslots	1	2	3	4
Duty Cycle	1:8.3	1:4.15	1:2.77	1:2.075
Time based avg. power compared to slotted avg. power	-9.19	-6.18	-4.42	-3.17

- 5) . The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:
Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8
- 6) . When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used

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8.1.4.2 Conducted Power of WCDMA

WCDMA Band II Receiver on/Receiver off/ WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.54	22.52	22.61	23.50
	12.2kbps AMR	22.51	22.49	22.57	23.50
HSDPA	Subtest 1	22.60	22.58	22.57	23.00
	Subtest 2	22.37	22.53	22.51	23.00
	Subtest 3	22.10	22.10	22.11	22.50
	Subtest 4	22.08	22.11	22.10	22.50
HSUPA	Subtest 1	21.57	21.53	21.56	23.00
	Subtest 2	19.60	19.61	19.58	20.50
	Subtest 3	20.55	20.58	20.56	22.00
	Subtest 4	19.58	19.57	19.57	20.50
	Subtest 5	22.60	22.62	22.60	23.00
DC-HSDPA	Subtest 1	22.59	22.56	22.53	23.00
	Subtest 2	22.53	22.54	22.50	23.00
	Subtest 3	22.09	22.07	22.15	22.50
	Subtest 4	22.12	22.10	22.13	22.50
HSPA+	16QAM	22.44	22.52	22.56	23.00
WCDMA Band II WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	20.11	20.13	20.03	21.00
	12.2kbps AMR	20.13	20.14	20.00	21.00
HSDPA	Subtest 1	20.07	20.08	20.09	20.50
	Subtest 2	20.01	20.03	20.06	20.50
	Subtest 3	19.58	19.56	19.56	20.00
	Subtest 4	19.56	19.55	19.55	20.00
HSUPA	Subtest 1	19.07	19.55	19.52	20.50
	Subtest 2	17.07	16.99	16.96	18.00
	Subtest 3	18.08	18.01	18.01	19.50
	Subtest 4	17.04	17.03	16.97	18.00
	Subtest 5	20.10	20.14	20.05	20.50
DC-HSDPA	Subtest 1	20.10	20.05	20.05	20.50
	Subtest 2	19.99	20.03	20.01	20.50
	Subtest 3	19.54	19.58	19.51	20.00
	Subtest 4	19.56	19.58	19.59	20.00
HSPA+	16QAM	20.11	20.13	19.96	20.50

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WCDMA Band IV					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.78	22.81	22.75	23.70
	12.2kbps AMR	22.71	22.84	22.74	23.70
HSDPA	Subtest 1	22.82	22.77	22.78	23.20
	Subtest 2	22.40	22.72	22.77	23.20
	Subtest 3	22.35	22.38	22.32	22.70
	Subtest 4	22.37	22.36	22.29	22.70
HSUPA	Subtest 1	22.25	21.88	21.76	23.20
	Subtest 2	19.80	19.90	19.77	20.70
	Subtest 3	20.81	20.87	20.74	22.20
	Subtest 4	19.77	19.89	19.74	20.70
	Subtest 5	22.80	22.70	22.80	23.20
DC-HSDPA	Subtest 1	22.77	22.73	22.79	23.20
	Subtest 2	22.38	22.70	22.76	23.20
	Subtest 3	22.34	22.42	22.35	22.70
	Subtest 4	22.36	22.41	22.33	22.70
HSPA+	16QAM	22.77	22.70	22.73	23.20

Table 21: Conducted Power of WCDMA

Note:

4) when the maximum output power variation across the required test channels is $> \frac{1}{2}$ dB, instead of the middle channel, the highest output power channel must be used.

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8.1.4.3 Conducted Power of LTE

LTE Band 2 Receiver on/Receiver off/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	22.11	22.15	22.15	23.00
		1	2	22.27	22.21	22.23	23.00
		1	5	22.17	22.22	22.29	23.00
		3	0	22.22	22.21	22.21	23.00
		3	2	22.28	22.25	22.30	23.00
		3	3	22.22	22.20	22.19	23.00
	16QAM	6	0	21.33	21.26	21.34	22.00
		1	0	21.46	21.62	21.57	22.00
		1	2	21.58	21.67	21.64	22.00
		1	5	21.42	21.09	21.56	22.00
		3	0	21.30	21.31	21.48	22.00
		3	2	21.33	21.43	21.46	22.00
	64QAM	3	3	21.28	21.18	21.43	22.00
		6	0	20.28	20.30	20.41	21.00
		1	0	20.44	20.62	20.50	21.00
		1	2	20.43	20.64	20.48	21.00
		1	5	20.39	20.07	20.44	21.00
		3	0	20.26	20.20	20.20	21.00
3MHz	QPSK	3	2	20.28	20.27	20.23	21.00
		3	3	20.14	19.98	20.21	21.00
		6	0	19.09	19.07	19.40	20.00
	16QAM	1	0	22.27	22.14	22.18	23.00
		1	7	22.20	22.32	22.37	23.00
		1	14	22.33	22.36	22.39	23.00
	64QAM	8	0	21.39	21.36	21.46	22.00
		8	4	21.34	21.39	21.45	22.00
		8	7	21.35	21.30	21.43	22.00
	16QAM	15	0	21.40	21.31	21.49	22.00
		1	0	21.51	21.65	21.41	22.00
		1	7	21.93	21.49	21.59	22.00
		1	14	21.81	21.74	21.47	22.00
	64QAM	8	0	20.40	20.23	20.47	21.00
		8	4	20.46	20.35	20.49	21.00
		8	7	20.31	20.26	20.41	21.00
		15	0	20.32	20.29	20.38	21.00
	16QAM	1	0	20.27	20.50	20.19	21.00
		1	7	20.75	20.34	20.36	21.00
		1	14	20.65	20.76	20.35	21.00
	64QAM	8	0	19.26	19.08	19.22	20.00
		8	4	19.26	19.12	19.26	20.00
		8	7	19.16	19.03	19.22	20.00
		15	0	19.27	19.22	19.19	20.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	22.39	22.18	22.13	23.00
		1	13	22.38	22.33	22.40	23.00
		1	24	22.37	22.22	22.44	23.00
		12	0	21.31	21.27	21.29	22.00
		12	6	21.35	21.39	21.38	22.00
		12	13	21.38	21.40	21.42	22.00
	16QAM	25	0	21.33	21.34	21.37	22.00
		1	0	21.03	21.50	21.63	22.00
		1	13	21.75	21.89	21.49	22.00
		1	24	21.56	21.31	21.68	22.00
		12	0	20.44	20.31	20.31	21.00
		12	6	20.38	20.32	20.34	21.00
	64QAM	12	13	20.34	20.42	20.42	21.00
		25	0	20.34	20.24	20.32	21.00
		1	0	19.80	20.23	20.56	21.00
		1	13	20.50	20.65	20.34	21.00
		1	24	20.52	20.03	20.57	21.00
		12	0	19.30	19.09	19.12	20.00
10MHz	QPSK	12	6	19.24	19.26	19.32	20.00
		12	13	19.19	19.15	19.31	20.00
		25	0	19.13	19.07	19.04	20.00
	16QAM	1	0	22.11	22.25	22.29	23.00
		1	25	22.19	22.21	22.14	23.00
		1	49	22.14	22.37	22.26	23.00
	64QAM	25	0	21.39	21.30	21.30	22.00
		25	13	21.38	21.41	21.34	22.00
		25	25	21.42	21.42	21.35	22.00
	16QAM	50	0	21.32	21.63	21.32	22.00
		1	0	21.96	21.20	21.80	22.00
		1	25	21.40	21.49	21.77	22.00
		1	49	21.90	21.67	21.79	22.00
	64QAM	25	0	20.27	20.34	20.34	21.00
		25	13	20.42	20.38	20.52	21.00
		25	25	20.36	20.32	20.34	21.00
		50	0	20.37	20.45	20.31	21.00
	16QAM	1	0	20.90	19.92	20.73	21.00
		1	25	20.29	20.32	20.77	21.00
		1	49	20.71	20.55	20.62	21.00
	64QAM	25	0	19.13	19.28	19.14	20.00
		25	13	19.34	19.22	19.37	20.00
		25	25	19.33	19.07	19.28	20.00
		50	0	19.35	19.36	19.27	20.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	22.50	22.58	22.37	23.00
		1	38	22.48	22.44	22.52	23.00
		1	74	22.58	22.37	22.59	23.00
		36	0	21.59	21.60	21.49	22.00
		36	18	21.58	21.52	21.58	22.00
		36	39	21.70	21.66	21.59	22.00
		75	0	21.65	21.55	21.55	22.00
	16QAM	1	0	21.76	21.54	21.84	22.00
		1	38	21.70	21.52	21.37	22.00
		1	74	21.89	21.62	21.85	22.00
		36	0	20.54	20.52	20.52	21.00
		36	18	20.61	20.56	20.50	21.00
		36	39	20.70	20.57	20.63	21.00
		75	0	20.63	20.64	20.55	21.00
	64QAM	1	0	20.57	20.41	20.88	21.00
		1	38	20.55	20.29	20.09	21.00
		1	74	20.61	20.55	20.84	21.00
		36	0	19.33	19.38	19.48	20.00
		36	18	19.41	19.36	19.37	20.00
		36	39	19.53	19.36	19.37	20.00
		75	0	19.50	19.58	19.44	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	22.78	22.77	22.52	23.00
		1	50	22.36	22.45	22.18	23.00
		1	99	22.40	22.26	22.50	23.00
		50	0	21.48	21.49	21.44	22.00
		50	25	21.67	21.68	21.42	22.00
		50	50	21.61	21.69	21.60	22.00
		100	0	21.60	21.63	21.47	22.00
	16QAM	1	0	21.83	21.53	21.38	22.00
		1	50	21.97	21.50	21.47	22.00
		1	99	21.82	21.79	21.62	22.00
		50	0	20.46	20.58	20.61	21.00
		50	25	20.72	20.60	20.47	21.00
		50	50	20.71	20.47	20.65	21.00
		100	0	20.58	20.66	20.50	21.00
	64QAM	1	0	20.89	20.30	20.10	21.00
		1	50	20.97	20.40	20.45	21.00
		1	99	20.68	20.74	20.44	21.00
		50	0	19.20	19.48	19.40	20.00
		50	25	19.49	19.49	19.44	20.00
		50	50	19.60	19.24	19.55	20.00
		100	0	19.42	19.56	19.30	20.00

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LTE Band 2 WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	21.20	21.22	21.32	22.10
		1	2	21.36	21.29	21.34	22.10
		1	5	21.24	21.28	21.34	22.10
		3	0	21.26	21.30	21.34	22.10
		3	2	21.33	21.26	21.41	22.10
		3	3	21.30	21.25	21.38	22.10
	16QAM	6	0	21.24	21.23	21.35	22.10
		1	0	21.16	21.25	21.75	22.10
		1	2	21.43	21.75	21.52	22.10
		1	5	21.33	21.52	21.58	22.10
		3	0	21.20	21.38	21.45	22.10
		3	2	21.42	21.27	21.41	22.10
	64QAM	3	3	21.21	21.39	21.32	22.10
		6	0	20.32	20.30	20.37	21.10
		1	0	20.23	20.55	20.33	21.10
		1	2	20.37	20.61	20.39	21.10
		1	5	20.12	19.95	20.35	21.10
		3	0	20.24	20.00	20.04	21.10
3MHz	QPSK	3	2	20.15	20.03	20.10	21.10
		3	3	19.99	19.84	20.05	21.10
		6	0	19.06	19.04	19.33	20.10
	16QAM	1	0	21.24	21.29	21.40	22.10
		1	7	21.34	21.37	21.43	22.10
		1	14	21.46	21.34	21.45	22.10
	64QAM	8	0	21.38	21.21	21.40	22.10
		8	4	21.34	21.29	21.46	22.10
		8	7	21.35	21.35	21.37	22.10
		15	0	21.35	21.32	21.40	22.10
	16QAM	1	0	21.48	21.73	21.21	22.10
		1	7	21.37	21.64	21.31	22.10
		1	14	21.05	21.29	21.47	22.10
		8	0	20.40	20.41	20.52	21.10
		8	4	20.46	20.30	20.50	21.10
		8	7	20.50	20.50	20.48	21.10
	64QAM	15	0	20.46	20.30	20.43	21.10
		1	0	20.13	20.24	19.94	21.10
		1	7	20.62	20.22	20.26	21.10
		1	14	20.51	20.50	20.24	21.10
		8	0	19.15	18.84	19.22	20.10
		8	4	19.14	18.84	19.16	20.10
	64QAM	8	7	18.94	18.94	19.04	20.10
		15	0	19.23	18.99	18.94	20.10

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	21.20	21.30	21.30	22.10
		1	13	21.41	21.45	21.48	22.10
		1	24	21.36	21.30	21.44	22.10
		12	0	21.38	21.28	21.34	22.10
		12	6	21.39	21.35	21.39	22.10
		12	13	21.39	21.40	21.42	22.10
	16QAM	25	0	21.36	21.31	21.40	22.10
		1	0	21.40	21.71	21.13	22.10
		1	13	21.51	22.05	21.52	22.10
		1	24	21.18	21.57	21.31	22.10
		12	0	20.33	20.32	20.36	21.10
		12	6	20.38	20.37	20.37	21.10
	64QAM	12	13	20.44	20.41	20.52	21.10
		25	0	20.33	20.43	20.35	21.10
		1	0	19.67	20.22	20.55	21.10
		1	13	20.48	20.64	20.20	21.10
		1	24	20.26	19.76	20.48	21.10
		12	0	19.28	18.81	19.01	20.10
10MHz	QPSK	12	6	18.96	19.25	19.17	20.10
		12	13	18.95	19.06	19.30	20.10
		25	0	19.00	19.07	19.04	20.10
	16QAM	1	0	21.26	21.30	21.20	22.10
		1	25	21.47	21.31	21.36	22.10
		1	49	21.15	21.35	21.40	22.10
	64QAM	25	0	21.39	21.24	21.28	22.10
		25	13	21.39	21.41	21.41	22.10
		25	25	21.39	21.35	21.42	22.10
	16QAM	50	0	21.30	21.38	21.36	22.10
		1	0	21.21	21.82	21.29	22.10
		1	25	21.84	21.57	21.71	22.10
		1	49	21.50	21.22	21.40	22.10
		25	0	20.32	20.26	20.29	21.10
	64QAM	25	13	20.40	20.37	20.48	21.10
		25	25	20.44	20.38	20.45	21.10
		50	0	20.42	20.36	20.27	21.10
	16QAM	1	0	20.90	19.87	20.64	21.10
		1	25	20.03	20.09	20.63	21.10
		1	49	20.59	20.55	20.45	21.10
	64QAM	25	0	18.95	19.11	18.92	20.10
		25	13	19.29	19.16	19.24	20.10
		25	25	19.16	18.96	19.02	20.10
		50	0	19.29	19.28	18.99	20.10

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	21.49	21.49	21.47	22.10
		1	38	21.50	21.52	21.53	22.10
		1	74	21.75	21.46	21.36	22.10
		36	0	21.47	21.45	21.41	22.10
		36	18	21.60	21.48	21.52	22.10
		36	39	21.57	21.64	21.87	22.10
		75	0	21.57	21.54	21.53	22.10
	16QAM	1	0	21.64	21.42	21.46	22.10
		1	38	21.46	21.51	21.65	22.10
		1	74	21.31	21.42	21.63	22.10
		36	0	20.50	20.53	20.45	21.10
		36	18	20.58	20.50	20.50	21.10
		36	39	20.57	20.63	20.50	21.10
		75	0	20.57	20.63	20.53	21.10
	64QAM	1	0	20.35	20.27	20.83	21.10
		1	38	20.38	20.07	19.88	21.10
		1	74	20.59	20.47	20.69	21.10
		36	0	19.21	19.20	19.44	20.10
		36	18	19.13	19.31	19.28	20.10
		36	39	19.34	19.25	19.33	20.10
		75	0	19.32	19.47	19.28	20.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.43	21.60	21.45	22.10
		1	50	21.66	21.52	21.48	22.10
		1	99	21.52	21.50	21.56	22.10
		50	0	21.54	21.56	21.44	22.10
		50	25	21.63	21.58	21.46	22.10
		50	50	21.62	21.62	21.49	22.10
		100	0	21.63	21.58	21.47	22.10
	16QAM	1	0	21.63	21.77	21.63	22.10
		1	50	21.63	21.38	21.37	22.10
		1	99	21.62	21.61	21.50	22.10
		50	0	20.56	20.49	20.40	21.10
		50	25	20.59	20.51	20.49	21.10
		50	50	20.63	20.59	20.41	21.10
		100	0	20.58	20.59	20.36	21.10
	64QAM	1	0	20.88	20.19	19.87	21.10
		1	50	20.81	20.29	20.40	21.10
		1	99	20.64	20.53	20.42	21.10
		50	0	19.10	19.36	19.13	20.10
		50	25	19.49	19.39	19.41	20.10
		50	50	19.60	19.15	19.54	20.10
		100	0	19.27	19.51	19.12	20.10

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LTE Band 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.46	22.38	22.41	23.20
		1	2	22.68	22.64	22.34	23.20
		1	5	22.56	22.54	22.26	23.20
		3	0	22.54	22.55	22.45	23.20
		3	2	22.58	22.53	22.44	23.20
		3	3	22.56	22.44	22.35	23.20
		6	0	21.65	21.55	21.51	22.20
	16QAM	1	0	21.89	21.67	21.81	22.20
		1	2	21.76	21.83	21.54	22.20
		1	5	21.61	21.79	21.48	22.20
		3	0	21.60	21.61	21.49	22.20
		3	2	21.62	21.67	21.41	22.20
		3	3	21.72	21.76	21.42	22.20
		6	0	20.78	20.73	20.41	21.20
	64QAM	1	0	20.83	20.56	20.74	21.20
		1	2	20.55	20.60	20.36	21.20
		1	5	20.43	20.52	20.32	21.20
		3	0	20.57	20.49	20.31	21.20
		3	2	20.60	20.50	20.28	21.20
		3	3	20.63	20.55	20.33	21.20
		6	0	19.62	19.73	19.41	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.68	22.50	22.44	23.20
		1	7	22.56	22.68	22.48	23.20
		1	14	22.54	22.61	22.36	23.20
		8	0	21.74	21.69	21.59	22.20
		8	4	21.67	21.71	21.60	22.20
		8	7	21.70	21.68	21.56	22.20
		15	0	21.69	21.64	21.61	22.20
	16QAM	1	0	21.87	21.89	22.00	22.20
		1	7	21.56	22.13	21.62	22.20
		1	14	21.70	21.52	21.69	22.20
		8	0	20.64	20.56	20.53	21.20
		8	4	20.62	20.85	20.61	21.20
		8	7	20.76	20.73	20.43	21.20
		15	0	20.72	20.74	20.57	21.20
	64QAM	1	0	20.61	20.72	20.95	21.20
		1	7	20.40	21.12	20.34	21.20
		1	14	20.64	20.37	20.44	21.20
		8	0	19.58	19.39	19.33	20.20
		8	4	19.53	19.79	19.53	20.20
		8	7	19.48	19.73	19.42	20.20
		15	0	19.69	19.60	19.43	20.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.32	22.54	22.48	23.20
		1	13	22.69	22.57	22.63	23.20
		1	24	22.54	22.66	22.50	23.20
		12	0	21.73	21.63	21.53	22.20
		12	6	21.72	21.74	21.59	22.20
		12	13	21.72	21.68	21.57	22.20
	16QAM	25	0	21.65	21.61	21.53	22.20
		1	0	21.74	21.68	21.56	22.20
		1	13	21.71	21.79	21.73	22.20
		1	24	21.74	21.53	21.47	22.20
		12	0	20.70	20.68	20.55	21.20
		12	6	20.75	20.67	20.52	21.20
	64QAM	12	13	20.72	20.68	20.66	21.20
		25	0	20.73	20.58	20.56	21.20
		1	0	20.65	20.53	20.48	21.20
		1	13	20.45	20.72	20.58	21.20
		1	24	21.19	20.47	20.33	21.20
		12	0	19.43	19.40	19.50	20.20
10MHz	QPSK	12	6	19.73	19.63	19.36	20.20
		12	13	19.56	19.65	19.41	20.20
		25	0	19.59	19.57	19.54	20.20
	16QAM	1	0	22.29	22.69	22.55	23.20
		1	25	22.53	22.58	22.50	23.20
		1	49	22.72	22.62	22.48	23.20
	64QAM	25	0	21.70	21.64	21.59	22.20
		25	13	21.77	21.64	21.55	22.20
		25	25	21.79	21.97	21.67	22.20
	16QAM	50	0	21.78	21.73	21.53	22.20
		1	0	22.19	21.82	22.06	22.20
		1	25	21.92	21.86	21.89	22.20
		1	49	22.00	21.98	21.84	22.20
	64QAM	25	0	20.59	20.69	20.65	21.20
		25	13	20.69	20.83	20.60	21.20
		25	25	20.73	20.68	20.70	21.20
		50	0	20.74	20.68	20.60	21.20
	16QAM	1	0	21.08	20.80	20.86	21.20
		1	25	20.85	20.81	20.63	21.20
		1	49	20.93	21.01	20.66	21.20
	64QAM	25	0	19.55	19.56	19.49	20.20
		25	13	19.45	19.56	19.52	20.20
		25	25	19.47	19.63	19.63	20.20
		50	0	19.53	19.66	19.46	20.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.39	22.27	22.30	23.20
		1	38	22.12	22.17	22.21	23.20
		1	74	22.16	22.21	22.28	23.20
		36	0	21.34	21.26	21.35	22.20
		36	18	21.29	21.36	21.37	22.20
		36	39	21.31	21.33	21.32	22.20
		75	0	21.31	21.35	21.25	22.20
	16QAM	1	0	21.55	21.47	21.74	22.20
		1	38	21.38	21.44	21.43	22.20
		1	74	21.33	21.53	21.29	22.20
		36	0	20.34	20.32	20.46	21.20
		36	18	20.33	20.36	20.28	21.20
		36	39	20.28	20.25	20.36	21.20
		75	0	20.28	20.36	20.33	21.20
	64QAM	1	0	20.29	20.37	20.53	21.20
		1	38	20.16	20.20	20.26	21.20
		1	74	20.17	20.47	20.02	21.20
		36	0	19.21	19.18	19.32	20.20
		36	18	19.16	19.28	19.01	20.20
		36	39	19.04	19.05	19.15	20.20
		75	0	19.20	19.27	19.28	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	23.01	23.02	22.87	23.20
		1	50	22.70	22.78	22.65	23.20
		1	99	22.72	22.77	22.76	23.20
		50	0	21.93	21.88	21.92	22.20
		50	25	21.85	21.91	21.80	22.20
		50	50	21.88	21.90	21.80	22.20
		100	0	22.18	21.94	21.82	22.20
	16QAM	1	0	21.71	21.95	22.20	22.20
		1	50	22.02	22.16	21.91	22.20
		1	99	21.85	21.90	21.82	22.20
		50	0	20.91	20.92	20.84	21.20
		50	25	20.97	20.89	20.87	21.20
		50	50	21.00	20.91	20.79	21.20
		100	0	21.01	21.02	20.79	21.20
	64QAM	1	0	20.45	21.18	21.14	21.20
		1	50	21.01	20.99	20.75	21.20
		1	99	20.88	20.87	20.55	21.20
		50	0	19.76	19.80	19.72	20.20
		50	25	19.76	19.85	19.60	20.20
		50	50	19.95	19.91	19.55	20.20
		100	0	19.99	19.83	19.60	20.20

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LTE Band 7 Receiver on/ WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on/WWAN+WLAN 5G Receiver off WWAN+WLAN 5G+BT Receiver off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	22.59	22.46	22.45	23.70
		1	13	22.63	22.62	22.46	23.70
		1	24	22.57	22.54	22.45	23.70
		12	0	21.79	21.62	21.58	22.70
		12	6	21.70	21.60	21.62	22.70
		12	13	21.74	21.65	21.56	22.70
		25	0	21.66	21.58	21.54	22.70
	16QAM	1	0	22.02	21.59	21.66	22.70
		1	13	21.88	21.94	21.67	22.70
		1	24	21.89	22.19	21.70	22.70
		12	0	20.75	20.53	20.55	21.70
		12	6	20.79	20.61	20.61	21.70
		12	13	20.71	20.61	20.56	21.70
		25	0	20.66	20.52	20.46	21.70
	64QAM	1	0	20.49	20.22	20.37	21.70
		1	13	20.58	20.41	20.19	21.70
		1	24	20.42	20.35	20.41	21.70
		12	0	19.75	19.60	19.36	20.70
		12	6	19.53	19.36	19.40	20.70
		12	13	19.55	19.50	19.54	20.70
		25	0	19.47	19.45	19.38	20.70
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	22.56	22.70	22.45	23.70
		1	25	22.45	22.65	22.43	23.70
		1	49	22.62	22.57	22.52	23.70
		25	0	21.76	21.58	21.65	22.70
		25	13	21.71	21.69	21.63	22.70
		25	25	21.73	21.74	21.65	22.70
		50	0	21.77	21.60	21.62	22.70
	16QAM	1	0	21.92	22.03	21.85	22.70
		1	25	21.62	21.68	21.83	22.70
		1	49	21.84	21.94	21.89	22.70
		25	0	20.74	20.70	20.54	21.70
		25	13	20.57	20.67	20.67	21.70
		25	25	20.65	20.74	20.60	21.70
		50	0	20.72	20.62	20.67	21.70
	64QAM	1	0	20.32	20.49	20.44	21.70
		1	25	20.36	20.41	20.29	21.70
		1	49	20.38	20.46	20.35	21.70
		25	0	19.51	19.54	19.61	20.70
		25	13	19.49	19.56	19.48	20.70
		25	25	19.61	19.62	19.61	20.70
		50	0	19.60	19.48	19.61	20.70

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	22.93	22.71	22.82	23.70
		1	38	22.76	22.71	22.78	23.70
		1	74	22.78	22.75	22.75	23.70
		36	0	21.85	21.92	21.86	22.70
		36	18	21.97	21.90	21.82	22.70
		36	39	21.97	21.89	21.81	22.70
		75	0	21.97	21.92	21.81	22.70
	16QAM	1	0	22.04	21.90	21.92	22.70
		1	38	22.12	21.91	21.80	22.70
		1	74	21.81	22.10	21.90	22.70
		36	0	20.92	20.90	20.86	21.70
		36	18	20.96	20.85	20.90	21.70
		36	39	21.02	20.98	20.89	21.70
		75	0	20.84	20.82	20.88	21.70
	64QAM	1	0	20.71	20.54	20.73	21.70
		1	38	20.53	20.47	20.59	21.70
		1	74	20.61	20.56	20.57	21.70
		36	0	19.74	19.69	19.84	20.70
		36	18	19.73	19.86	19.67	20.70
		36	39	19.79	19.61	19.74	20.70
		75	0	19.75	19.73	19.77	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	23.01	22.73	22.87	23.70
		1	50	22.78	22.95	22.75	23.70
		1	99	23.02	22.77	22.71	23.70
		50	0	22.01	21.83	21.87	22.70
		50	25	22.04	21.83	21.89	22.70
		50	50	21.99	22.05	21.83	22.70
		100	0	22.02	21.86	21.95	22.70
	16QAM	1	0	22.11	21.93	21.99	22.70
		1	50	22.10	21.98	21.69	22.70
		1	99	21.90	22.20	22.05	22.70
		50	0	20.85	20.94	20.76	21.70
		50	25	21.03	20.91	20.89	21.70
		50	50	20.99	20.90	20.92	21.70
		100	0	21.03	20.96	20.88	21.70
	64QAM	1	0	20.79	20.67	20.71	21.70
		1	50	20.63	20.92	20.68	21.70
		1	99	20.84	20.70	20.60	21.70
		50	0	19.76	19.72	19.73	20.70
		50	25	19.76	19.81	19.88	20.70
		50	50	19.91	19.97	19.59	20.70
		100	0	19.98	19.60	19.69	20.70

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LTE Band 7 Receiver off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	21.51	21.24	21.49	23.00
		1	13	21.51	21.48	21.51	23.00
		1	24	21.46	21.52	21.47	23.00
		12	0	21.34	21.15	21.26	23.00
		12	6	21.31	21.20	21.28	23.00
		12	13	21.29	21.24	21.34	23.00
		25	0	21.29	21.28	21.23	23.00
	16QAM	1	0	21.31	21.00	21.60	23.00
		1	13	21.50	21.64	21.36	23.00
		1	24	21.58	21.36	21.49	23.00
		12	0	20.24	20.18	20.27	21.70
		12	6	20.29	20.29	20.32	21.70
		12	13	20.24	20.23	20.29	21.70
		25	0	20.38	20.26	20.18	21.70
	64QAM	1	0	20.44	20.36	20.62	21.70
		1	13	20.26	20.57	20.58	21.70
		1	24	20.57	20.48	20.69	21.70
		12	0	19.58	19.38	19.58	20.70
		12	6	19.59	19.47	19.59	20.70
		12	13	19.53	19.51	19.58	20.70
		25	0	19.58	19.45	19.52	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	21.39	21.23	21.24	23.00
		1	25	21.35	21.41	21.38	23.00
		1	49	21.51	21.55	21.38	23.00
		25	0	21.35	21.13	21.25	23.00
		25	13	21.32	21.20	21.34	23.00
		25	25	21.34	21.28	21.26	23.00
		50	0	21.31	21.30	21.33	23.00
	16QAM	1	0	21.43	21.19	21.45	23.00
		1	25	21.37	21.77	21.29	23.00
		1	49	21.88	21.78	21.72	23.00
		25	0	20.25	20.11	20.14	21.70
		25	13	20.42	20.15	20.32	21.70
		25	25	20.25	20.22	20.25	21.70
		50	0	20.29	20.29	20.30	21.70
	64QAM	1	0	20.75	20.35	20.71	21.70
		1	25	20.29	20.67	20.84	21.70
		1	49	20.67	20.65	20.47	21.70
		25	0	19.76	19.45	19.35	20.70
		25	13	19.57	19.56	19.59	20.70
		25	25	19.55	19.44	19.59	20.70
		50	0	19.55	19.53	19.46	20.70

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	21.70	21.57	21.59	23.00
		1	38	21.77	21.69	21.71	23.00
		1	74	21.83	21.80	21.78	23.00
		36	0	21.53	21.38	21.46	23.00
		36	18	21.63	21.44	21.46	23.00
		36	39	21.58	21.50	21.51	23.00
		75	0	21.55	21.44	21.55	23.00
	16QAM	1	0	21.61	21.78	21.52	23.00
		1	38	21.60	21.50	21.43	23.00
		1	74	21.62	21.85	21.80	23.00
		36	0	20.51	20.32	20.40	21.70
		36	18	20.58	20.49	20.48	21.70
		36	39	20.67	20.55	20.58	21.70
		75	0	20.51	20.41	20.50	21.70
	64QAM	1	0	20.46	20.08	20.34	21.70
		1	38	20.21	20.50	20.24	21.70
		1	74	20.09	20.38	20.52	21.70
		36	0	19.28	19.16	19.32	20.70
		36	18	19.47	19.37	19.40	20.70
		36	39	19.38	19.25	19.32	20.70
		75	0	19.37	19.26	19.37	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	21.85	21.86	22.14	23.00
		1	50	21.79	22.13	21.84	23.00
		1	99	22.15	21.85	21.89	23.00
		50	0	21.53	21.74	21.43	23.00
		50	25	21.59	21.53	21.54	23.00
		50	50	21.75	22.01	21.90	23.00
		100	0	21.59	21.57	21.85	23.00
	16QAM	1	0	21.65	21.87	21.84	23.00
		1	50	21.36	21.51	21.70	23.00
		1	99	21.47	21.71	22.02	23.00
		50	0	20.37	20.30	20.40	21.70
		50	25	20.56	20.51	20.52	21.70
		50	50	20.63	20.46	20.56	21.70
		100	0	20.52	20.45	20.52	21.70
	64QAM	1	0	20.43	20.25	20.52	21.70
		1	50	20.64	20.52	20.61	21.70
		1	99	20.36	20.58	20.37	21.70
		50	0	19.28	19.19	19.30	20.70
		50	25	19.40	19.37	19.22	20.70
		50	50	19.39	19.20	19.30	20.70
		100	0	19.37	19.24	19.28	20.70

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LTE Band 7 WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	19.25	19.15	19.25	20.90
		1	13	19.54	19.32	19.32	20.90
		1	24	19.41	19.39	19.27	20.90
		12	0	19.55	19.39	19.40	20.90
		12	6	19.52	19.46	19.44	20.90
		12	13	19.47	19.45	19.52	20.90
	16QAM	25	0	19.45	19.42	19.43	20.90
		1	0	19.93	19.47	19.45	20.90
		1	13	19.61	19.98	19.39	20.90
		1	24	20.02	19.51	19.55	20.90
		12	0	19.56	19.32	19.43	20.90
		12	6	19.43	19.47	19.51	20.90
	64QAM	12	13	19.51	19.44	19.52	20.90
		25	0	19.46	19.52	19.45	20.90
		1	0	19.81	19.47	19.66	20.90
		1	13	19.76	19.54	19.82	20.90
		1	24	19.58	19.78	19.65	20.90
		12	0	19.40	19.24	19.41	20.90
10MHz	QPSK	12	6	19.36	19.32	19.26	20.90
		12	13	19.45	19.26	19.34	20.90
		25	0	19.28	19.33	19.27	20.90
	16QAM	1	0	19.65	19.19	19.38	20.90
		1	25	19.24	19.22	19.32	20.90
		1	49	19.42	19.12	19.38	20.90
	64QAM	25	0	19.54	19.33	19.38	20.90
		25	13	19.51	19.44	19.48	20.90
		25	25	19.50	19.44	19.45	20.90
		50	0	19.58	19.54	19.44	20.90
	16QAM	1	0	19.57	19.54	19.94	20.90
		1	25	19.41	19.26	20.00	20.90
		1	49	20.08	19.65	19.72	20.90
		25	0	19.49	19.46	19.43	20.90
		25	13	19.51	19.49	19.56	20.90
		25	25	19.35	19.50	19.54	20.90
	64QAM	50	0	19.59	19.41	19.47	20.90
		1	0	19.39	19.15	19.79	20.90
		1	25	19.75	19.62	19.89	20.90
		1	49	19.49	19.60	19.77	20.90
		25	0	19.30	19.21	19.34	20.90
		25	13	19.31	19.40	19.37	20.90
		25	25	19.27	19.29	19.20	20.90
		50	0	19.37	19.29	19.25	20.90

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.51	19.61	19.52	20.90
		1	38	19.72	19.57	19.69	20.90
		1	74	19.77	19.67	19.71	20.90
		36	0	19.76	19.58	19.63	20.90
		36	18	19.80	19.67	19.71	20.90
		36	39	19.73	19.75	19.76	20.90
		75	0	19.82	19.66	19.66	20.90
	16QAM	1	0	19.78	19.57	19.85	20.90
		1	38	19.79	19.78	20.28	20.90
		1	74	20.25	19.75	20.36	20.90
		36	0	19.79	19.47	19.68	20.90
		36	18	19.79	19.60	19.77	20.90
		36	39	19.78	19.64	19.71	20.90
		75	0	19.73	19.73	19.64	20.90
	64QAM	1	0	19.94	19.56	19.73	20.90
		1	38	19.95	19.47	19.88	20.90
		1	74	19.67	20.07	19.63	20.90
		36	0	19.63	19.31	19.54	20.90
		36	18	19.56	19.58	19.51	20.90
		36	39	19.62	19.55	19.64	20.90
		75	0	19.54	19.51	19.37	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	19.53	19.38	19.43	20.90
		1	50	19.46	19.52	19.70	20.90
		1	99	19.75	19.49	19.72	20.90
		50	0	19.66	19.56	19.63	20.90
		50	25	19.78	19.64	19.70	20.90
		50	50	19.78	19.66	19.79	20.90
		100	0	19.73	19.68	19.68	20.90
	16QAM	1	0	20.10	19.99	19.74	20.90
		1	50	20.03	20.05	19.87	20.90
		1	99	19.78	20.03	19.84	20.90
		50	0	19.67	19.60	19.57	20.90
		50	25	19.74	19.69	19.67	20.90
		50	50	19.69	19.62	19.80	20.90
		100	0	19.70	19.70	19.69	20.90
	64QAM	1	0	20.07	19.75	19.72	20.90
		1	50	19.75	19.70	19.82	20.90
		1	99	19.99	19.79	20.12	20.90
		50	0	19.47	19.42	19.56	20.90
		50	25	19.61	19.50	19.61	20.90
		50	50	19.56	19.38	19.51	20.90
		100	0	19.57	19.53	19.53	20.90

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LTE Band 38				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	23.05	23.04	22.94	23.60
		1	13	23.06	23.01	23.05	23.60
		1	24	23.04	23.00	22.97	23.60
		12	0	22.08	21.99	22.00	22.60
		12	6	22.16	22.10	22.12	22.60
		12	13	22.09	22.06	22.10	22.60
		25	0	22.11	22.11	21.98	22.60
	16QAM	1	0	22.24	22.13	22.08	22.60
		1	13	22.21	22.20	22.15	22.60
		1	24	22.25	22.14	22.19	22.60
		12	0	21.05	21.01	21.02	21.60
		12	6	21.09	21.06	21.10	21.60
		12	13	21.06	21.01	21.07	21.60
		25	0	21.18	21.07	20.99	21.60
	64QAM	1	0	21.12	21.02	20.89	21.60
		1	13	20.94	21.18	21.04	21.60
		1	24	20.99	21.12	20.92	21.60
		12	0	19.82	19.85	19.90	20.60
		12	6	19.94	19.97	19.86	20.60
		12	13	19.94	19.85	19.97	20.60
		25	0	19.92	20.05	19.82	20.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	22.92	22.97	22.88	23.60
		1	25	23.18	22.99	22.90	23.60
		1	49	22.96	23.08	22.98	23.60
		25	0	22.30	22.19	21.99	22.60
		25	13	22.28	22.10	22.07	22.60
		25	25	22.19	22.13	22.12	22.60
		50	0	22.20	22.08	21.99	22.60
	16QAM	1	0	22.27	22.26	22.13	22.60
		1	25	22.24	22.11	22.21	22.60
		1	49	22.20	22.01	21.99	22.60
		25	0	21.02	20.99	21.06	21.60
		25	13	21.07	21.10	21.04	21.60
		25	25	21.19	21.14	21.13	21.60
		50	0	21.15	21.18	21.15	21.60
	64QAM	1	0	21.10	21.08	20.96	21.60
		1	25	21.21	20.94	21.18	21.60
		1	49	21.16	20.84	20.98	21.60
		25	0	19.86	19.97	19.86	20.60
		25	13	20.07	19.91	19.87	20.60
		25	25	19.92	20.00	20.07	20.60
		50	0	19.88	20.01	20.01	20.60

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	23.21	23.21	23.12	23.60
		1	38	23.17	23.19	23.11	23.60
		1	74	23.26	23.11	23.21	23.60
		36	0	22.26	22.26	22.25	22.60
		36	18	22.28	22.26	22.20	22.60
		36	39	22.28	22.33	22.25	22.60
		75	0	22.36	22.34	22.21	22.60
	16QAM	1	0	22.51	22.42	22.38	22.60
		1	38	22.42	22.30	22.36	22.60
		1	74	22.34	22.34	22.27	22.60
		36	0	21.30	21.24	21.34	21.60
		36	18	21.29	21.17	21.25	21.60
		36	39	21.29	21.29	21.17	21.60
		75	0	21.43	21.29	21.32	21.60
	64QAM	1	0	21.39	21.36	21.20	21.60
		1	38	21.30	21.28	21.29	21.60
		1	74	21.12	21.15	21.11	21.60
		36	0	20.24	20.23	20.31	20.60
		36	18	20.07	20.04	20.12	20.60
		36	39	20.14	20.23	20.00	20.60
		75	0	20.42	20.26	20.27	20.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	23.40	23.20	23.42	23.60
		1	50	23.19	23.07	23.19	23.60
		1	99	23.04	23.14	23.14	23.60
		50	0	22.38	22.24	22.32	22.60
		50	25	22.42	22.42	22.25	22.60
		50	50	22.22	22.45	22.29	22.60
		100	0	22.36	22.32	22.25	22.60
	16QAM	1	0	22.49	22.32	22.30	22.60
		1	50	22.34	22.26	22.36	22.60
		1	99	22.10	22.18	22.27	22.60
		50	0	21.39	21.31	21.37	21.60
		50	25	21.45	21.43	21.26	21.60
		50	50	21.34	21.31	21.28	21.60
		100	0	21.41	21.37	21.27	21.60
	64QAM	1	0	21.25	21.31	21.02	21.60
		1	50	21.21	21.12	21.16	21.60
		1	99	20.98	21.13	21.12	21.60
		50	0	20.30	20.06	20.11	20.60
		50	25	20.25	20.22	20.08	20.60
		50	50	20.10	20.30	20.02	20.60
		100	0	20.18	20.36	20.04	20.60

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LTE Band 41 (class 2) Receiver on/Receiver off/ WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	24.42	24.44	24.40	24.38	24.43	25.50
		1	13	24.52	24.56	24.43	24.45	24.42	25.50
		1	24	24.43	24.50	23.78	23.82	24.10	25.50
		12	0	23.79	23.76	22.88	22.92	22.88	24.50
		12	6	23.72	23.78	23.32	23.32	22.60	24.50
		12	13	23.78	23.74	22.91	22.87	23.22	24.50
	16QAM	25	0	23.75	23.71	22.95	22.94	23.12	24.50
		1	0	23.86	23.72	23.48	23.44	22.70	24.50
		1	13	24.04	23.88	23.36	23.35	23.44	24.50
		1	24	23.86	23.94	23.55	23.52	23.36	24.50
		12	0	22.82	22.73	22.29	22.34	21.58	23.50
		12	6	22.81	22.75	22.11	22.10	22.32	23.50
	64QAM	12	13	22.74	22.72	22.08	22.10	21.85	23.50
		25	0	22.80	22.71	22.05	22.04	22.26	23.50
		1	0	22.66	22.47	22.27	22.27	21.52	23.50
		1	13	22.87	22.67	22.10	22.11	22.21	23.50
		1	24	22.67	22.68	22.37	22.35	22.49	23.50
		12	0	21.57	21.47	21.57	21.72	21.62	22.50
10MHz	QPSK	12	6	21.61	21.57	21.29	21.49	21.39	22.50
		12	13	21.55	21.46	21.33	21.07	20.97	22.50
		25	0	21.60	21.47	21.23	21.45	21.35	22.50
	16QAM	1	0	24.47	24.33	24.36	24.34	24.36	25.50
		1	25	24.48	24.47	24.07	24.07	24.39	25.50
		1	49	24.49	24.58	24.47	24.45	24.38	25.50
	64QAM	25	0	23.70	23.62	22.80	22.77	22.66	24.50
		25	13	23.75	23.77	23.24	23.29	22.99	24.50
		25	25	23.69	23.74	23.09	23.09	23.24	24.50
	16QAM	50	0	23.70	23.58	22.98	23.00	22.92	24.50
		1	0	23.87	23.94	23.08	23.05	23.22	24.50
		1	25	23.87	23.80	23.37	23.32	22.72	24.50
		1	49	23.94	23.91	23.59	23.59	22.82	24.50
	64QAM	25	0	22.71	22.65	22.01	22.03	21.55	23.50
		25	13	22.82	22.78	21.93	21.98	21.63	23.50
		25	25	22.81	22.62	22.21	22.16	22.31	23.50
	16QAM	50	0	22.79	22.80	22.14	22.09	21.55	23.50
		1	0	22.70	22.72	21.83	21.88	22.05	23.50
		1	25	22.71	22.60	22.12	22.13	22.13	23.50
	64QAM	1	49	22.76	22.73	22.37	22.37	21.58	23.50
		25	0	21.50	21.49	20.82	20.79	21.42	22.50
		25	13	21.60	21.62	20.75	20.75	21.45	22.50
		25	25	21.59	21.40	21.03	20.98	21.14	22.50
		50	0	21.59	21.62	20.92	20.84	21.04	22.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	24.78	24.79	24.47	24.47	24.26	25.50
		1	38	24.79	24.52	24.48	24.52	24.18	25.50
		1	74	24.57	24.65	24.56	24.61	24.21	25.50
		36	0	23.87	23.78	23.57	23.62	22.83	24.50
		36	18	23.76	23.77	23.26	23.22	23.09	24.50
		36	39	23.67	23.74	23.54	23.58	22.59	24.50
		75	0	23.95	23.76	23.31	23.28	22.60	24.50
	16QAM	1	0	24.06	23.92	23.11	23.08	23.53	24.50
		1	38	23.91	24.23	23.74	23.73	22.75	24.50
		1	74	23.78	23.83	23.18	23.15	23.46	24.50
		36	0	22.72	22.70	22.30	22.30	21.61	23.50
		36	18	22.89	22.81	22.61	22.66	22.34	23.50
		36	39	22.75	22.78	22.44	22.39	22.27	23.50
		75	0	22.76	22.84	22.04	21.99	22.34	23.50
	64QAM	1	0	22.86	22.69	21.88	21.90	22.28	23.50
		1	38	22.70	23.00	22.53	22.53	21.54	23.50
		1	74	22.53	22.61	21.94	21.95	22.30	23.50
		36	0	21.48	21.45	21.10	21.14	21.13	22.50
		36	18	21.66	21.62	21.37	21.48	21.17	22.50
		36	39	21.55	21.57	21.21	21.18	21.05	22.50
		75	0	21.57	21.64	20.82	20.74	21.08	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	24.81	24.80	24.81	24.37	24.15	25.50
		1	50	24.68	24.52	24.14	24.14	23.57	25.50
		1	99	24.54	24.62	24.26	24.21	23.88	25.50
		50	0	23.88	23.73	23.65	23.66	22.71	24.50
		50	25	23.88	23.80	23.49	23.49	22.92	24.50
		50	50	23.85	23.72	23.45	23.45	22.70	24.50
		100	0	23.86	23.74	23.39	23.42	22.85	24.50
	16QAM	1	0	24.10	23.99	23.19	23.16	23.51	24.50
		1	50	23.98	23.98	23.43	23.47	22.85	24.50
		1	99	24.07	23.92	23.49	23.47	23.40	24.50
		50	0	22.85	22.78	22.62	22.67	21.93	23.50
		50	25	22.92	22.90	22.51	22.56	22.08	23.50
		50	50	22.94	22.82	22.35	22.38	21.94	23.50
		100	0	22.98	22.85	22.44	22.42	22.02	23.50
	64QAM	1	0	22.84	22.76	21.97	21.95	22.29	23.50
		1	50	22.75	22.80	22.17	22.25	21.69	23.50
		1	99	22.90	22.67	22.30	22.28	22.14	23.50
		50	0	21.61	21.53	21.36	21.50	21.67	22.50
		50	25	21.73	21.74	21.27	21.39	21.92	22.50
		50	50	21.73	21.59	21.09	21.14	21.76	22.50
		100	0	21.82	21.68	21.18	21.23	21.86	22.50

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LTE Band 41 (class 2) WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	21.94	21.96	22.04	22.06	21.96	23.50
		1	13	22.09	21.98	22.06	22.09	22.00	23.50
		1	24	22.01	22.04	21.98	21.98	21.86	23.50
		12	0	22.33	22.20	22.10	22.07	22.10	23.50
		12	6	22.36	22.21	22.27	22.26	22.14	23.50
		12	13	22.30	22.18	22.25	22.30	22.20	23.50
		25	0	22.33	22.26	22.28	22.29	22.06	23.50
	16QAM	1	0	22.28	22.26	22.41	22.39	22.32	23.50
		1	13	22.11	22.43	22.41	22.39	22.35	23.50
		1	24	22.15	22.37	22.39	22.43	22.43	23.50
		12	0	22.21	22.22	21.83	21.80	21.65	23.50
		12	6	22.22	22.22	21.97	21.95	22.16	23.50
		12	13	22.19	22.15	21.93	21.95	22.14	23.50
		25	0	22.27	22.23	22.10	22.10	22.12	23.50
	64QAM	1	0	21.66	21.43	21.30	21.21	20.50	22.50
		1	13	21.91	21.66	21.14	21.15	21.16	22.50
		1	24	21.71	21.69	21.33	21.33	21.51	22.50
		12	0	20.57	20.43	20.56	20.73	20.65	21.50
		12	6	20.55	20.57	20.24	20.53	20.33	21.50
		12	13	20.55	20.48	20.31	20.07	19.94	21.50
		25	0	20.59	20.43	20.24	20.42	20.29	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	22.12	21.97	21.90	21.88	21.92	23.50
		1	25	22.07	22.00	22.00	22.01	21.95	23.50
		1	49	22.04	21.91	21.89	21.94	21.98	23.50
		25	0	22.27	22.18	22.20	22.19	22.14	23.50
		25	13	22.36	22.30	22.20	22.20	22.17	23.50
		25	25	22.29	22.25	22.20	22.15	22.21	23.50
		50	0	22.19	22.23	22.10	22.14	22.17	23.50
	16QAM	1	0	22.08	22.36	22.33	22.36	22.36	23.50
		1	25	22.35	22.37	22.38	22.42	22.30	23.50
		1	49	22.37	22.22	22.27	22.30	22.40	23.50
		25	0	22.08	22.07	22.06	22.05	21.80	23.50
		25	13	21.98	22.17	21.89	21.88	21.90	23.50
		25	25	21.93	22.24	22.01	21.97	21.88	23.50
		50	0	22.27	22.27	22.06	22.08	21.62	23.50
	64QAM	1	0	21.68	21.70	20.86	20.91	21.09	22.50
		1	25	21.69	21.54	21.10	21.12	21.12	22.50
		1	49	21.75	21.68	21.33	21.33	20.52	22.50
		25	0	20.52	20.50	19.80	19.78	20.46	21.50
		25	13	20.64	20.61	19.76	19.72	20.40	21.50
		25	25	20.63	20.44	20.04	19.92	20.17	21.50
		50	0	20.57	20.60	19.91	19.85	20.00	21.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.32	22.31	22.19	22.17	22.21	23.50
		1	38	22.35	22.17	22.21	22.26	22.06	23.50
		1	74	22.51	22.24	22.36	22.39	22.39	23.50
		36	0	22.38	22.40	22.28	22.24	22.21	23.50
		36	18	22.44	22.37	22.32	22.33	22.20	23.50
		36	39	22.39	22.37	22.30	22.32	22.24	23.50
	16QAM	75	0	22.41	22.34	22.39	22.39	22.27	23.50
		1	0	22.61	22.49	22.53	22.51	22.43	23.50
		1	38	22.51	22.73	22.53	22.53	22.34	23.50
		1	74	22.64	22.62	22.59	22.56	22.35	23.50
		36	0	22.14	22.28	21.74	21.76	21.98	23.50
		36	18	21.88	22.32	21.89	21.88	21.68	23.50
	64QAM	36	39	22.37	22.29	22.02	21.97	21.53	23.50
		75	0	22.40	22.36	21.68	21.68	21.70	23.50
		1	0	21.85	21.64	20.84	20.85	21.22	22.50
		1	38	21.74	21.98	21.53	21.48	20.55	22.50
		1	74	21.56	21.55	20.90	20.89	21.33	22.50
		36	0	20.52	20.48	20.08	20.11	20.14	21.50
20MHz	QPSK	36	18	20.65	20.65	20.35	20.46	20.16	21.50
		36	39	20.55	20.58	20.20	20.19	20.00	21.50
		75	0	20.61	20.62	19.86	19.69	20.04	21.50
	16QAM	1	0	22.29	22.26	22.21	22.19	22.24	23.50
		1	50	22.19	22.08	22.11	22.10	21.98	23.50
		1	99	22.35	22.17	22.25	22.30	22.09	23.50
	64QAM	50	0	22.47	22.36	22.35	22.38	22.35	23.50
		50	25	22.01	22.38	22.29	22.29	22.35	23.50
		50	50	22.44	22.34	22.37	22.34	22.26	23.50
		100	0	22.06	22.42	22.39	22.44	22.36	23.50
	16QAM	1	0	22.03	22.05	22.06	22.02	22.46	23.50
		1	50	22.50	22.50	22.33	22.36	22.41	23.50
		1	99	22.50	22.45	22.39	22.41	22.46	23.50
		50	0	22.39	22.37	22.02	22.00	22.26	23.50
		50	25	22.52	22.39	22.96	21.92	22.04	23.50
		50	50	22.40	22.44	22.77	22.75	22.66	23.50
	64QAM	100	0	22.52	22.43	22.63	22.66	22.03	23.50
		1	0	21.87	21.75	21.00	20.90	21.25	22.50
		1	50	21.77	21.79	21.19	21.29	20.68	22.50
		1	99	21.84	21.70	21.28	21.31	21.15	22.50
		50	0	20.65	20.52	20.39	20.54	20.70	21.50
		50	25	20.70	20.70	20.31	20.34	20.91	21.50
		50	50	20.73	20.55	20.04	20.18	20.71	21.50
		100	0	20.78	20.64	20.20	20.27	20.82	21.50

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LTE Band 41 (class 3) Receiver on/Receiver off/ WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	22.94	22.89	22.79	22.76	22.73	23.50
		1	13	22.93	22.86	22.82	22.77	22.86	23.50
		1	24	22.82	22.74	22.68	22.72	22.71	23.50
		12	0	22.09	21.89	21.97	21.99	21.92	22.50
		12	6	22.10	22.05	22.00	22.05	21.93	22.50
		12	13	22.03	21.96	21.96	21.94	21.97	22.50
	16QAM	25	0	22.07	22.04	22.02	21.98	21.98	22.50
		1	0	22.07	21.98	21.95	21.95	21.94	22.50
		1	13	22.16	22.13	22.24	22.19	22.06	22.50
		1	24	21.99	22.05	21.95	22.00	21.99	22.50
		12	0	20.98	20.88	20.92	20.88	20.81	21.50
		12	6	21.00	21.01	20.96	20.99	20.92	21.50
	64QAM	12	13	20.92	20.87	20.92	20.87	20.97	21.50
		25	0	21.00	21.01	20.99	21.01	20.93	21.50
		1	0	20.87	20.75	20.73	20.79	20.78	21.50
		1	13	20.96	20.90	21.06	21.01	20.90	21.50
		1	24	20.79	20.83	20.76	20.84	20.79	21.50
		12	0	19.73	19.65	19.73	19.67	19.57	20.50
10MHz	QPSK	12	6	19.84	19.84	19.71	19.79	19.74	20.50
		12	13	19.72	19.70	19.74	19.68	19.73	20.50
		25	0	19.84	19.79	19.76	19.80	19.73	20.50
	16QAM	1	0	22.98	23.01	22.87	22.86	23.05	23.50
		1	25	22.80	22.79	23.15	23.10	23.13	23.50
		1	49	22.80	22.85	22.78	22.82	22.80	23.50
	64QAM	25	0	21.94	22.05	21.97	21.99	21.98	22.50
		25	13	22.02	22.00	21.93	21.98	22.08	22.50
		25	25	22.02	21.94	21.98	21.97	22.02	22.50
	16QAM	50	0	21.97	21.99	21.95	22.00	22.01	22.50
		1	0	22.08	22.06	22.13	22.08	22.09	22.50
		1	25	22.16	21.88	22.13	22.08	22.05	22.50
		1	49	21.95	22.02	22.07	22.09	22.04	22.50
	64QAM	25	0	20.96	21.00	21.00	20.97	21.01	21.50
		25	13	21.14	21.09	20.85	20.87	21.01	21.50
		25	25	20.89	21.02	20.86	20.81	20.83	21.50
	16QAM	50	0	21.10	21.07	20.97	21.02	21.07	21.50
		1	0	20.91	20.82	20.97	20.85	20.86	21.50
		1	25	21.00	20.70	20.93	20.90	20.81	21.50
	64QAM	1	49	20.79	20.80	20.88	20.85	20.82	21.50
		25	0	19.71	19.74	19.84	19.72	19.79	20.50
		25	13	19.97	19.84	19.62	19.67	19.77	20.50
		25	25	19.65	19.81	19.63	19.61	19.66	20.50
		50	0	19.87	19.89	19.76	19.82	19.83	20.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	23.12	23.17	22.92	22.92	23.13	23.50
		1	38	22.99	22.89	22.91	22.94	23.09	23.50
		1	74	23.07	23.19	22.98	22.96	22.91	23.50
		36	0	22.14	22.04	22.03	22.04	22.21	22.50
		36	18	22.28	22.15	22.16	22.11	22.11	22.50
		36	39	22.18	22.15	22.12	22.13	22.06	22.50
		75	0	22.20	22.14	22.18	22.18	22.09	22.50
	16QAM	1	0	22.33	22.22	22.23	22.25	22.38	22.50
		1	38	22.18	22.05	22.20	22.16	22.22	22.50
		1	74	22.30	22.14	22.13	22.12	22.26	22.50
		36	0	21.13	21.05	20.99	21.00	21.16	21.50
		36	18	21.22	21.12	21.02	21.01	21.09	21.50
		36	39	21.12	21.07	21.08	21.10	21.14	21.50
		75	0	21.26	21.19	21.23	21.27	21.11	21.50
	64QAM	1	0	21.17	20.96	20.97	21.02	21.18	21.50
		1	38	21.02	20.80	20.95	20.98	21.04	21.50
		1	74	21.08	20.92	20.87	20.90	21.07	21.50
		36	0	19.87	19.81	19.75	19.79	19.93	20.50
		36	18	20.01	19.93	19.82	19.84	19.89	20.50
		36	39	19.92	19.82	19.84	19.86	19.96	20.50
		75	0	20.02	19.94	20.06	20.07	19.93	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.94	22.96	23.10	23.06	23.10	23.50
		1	50	22.91	22.95	22.96	22.98	22.83	23.50
		1	99	22.92	22.95	22.93	22.97	22.95	23.50
		50	0	22.14	22.19	22.09	22.10	22.08	22.50
		50	25	22.25	22.31	22.03	21.99	22.20	22.50
		50	50	22.21	22.20	22.04	22.01	22.15	22.50
		100	0	22.18	22.18	22.14	22.23	22.22	22.50
	16QAM	1	0	22.33	21.46	22.25	22.22	22.25	22.50
		1	50	22.13	22.10	22.15	22.19	22.24	22.50
		1	99	22.16	22.10	22.10	22.09	22.20	22.50
		50	0	21.14	21.22	21.16	21.16	21.22	21.50
		50	25	21.18	21.17	21.16	21.20	21.22	21.50
		50	50	21.27	21.16	21.10	21.15	21.12	21.50
		100	0	21.20	21.25	21.16	21.15	21.13	21.50
	64QAM	1	0	21.12	21.26	21.02	20.97	21.09	21.50
		1	50	20.92	20.88	20.93	21.02	20.99	21.50
		1	99	20.91	20.92	20.88	20.83	20.97	21.50
		50	0	19.91	20.06	19.94	19.95	20.00	20.50
		50	25	19.96	19.94	19.94	19.94	20.03	20.50
		50	50	20.03	19.99	19.92	19.90	19.95	20.50
		100	0	19.94	19.99	19.99	19.95	19.97	20.50

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LTE Band 41 (class 3) WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	22.32	22.35	22.25	22.17	22.12	23.00
		1	13	22.29	22.27	22.27	22.18	22.26	23.00
		1	24	22.23	22.14	22.07	22.12	22.16	23.00
		12	0	21.96	21.77	21.84	21.90	21.82	22.50
		12	6	21.99	21.95	21.87	21.91	21.83	22.50
		12	13	21.89	21.86	21.86	21.83	21.91	22.50
		25	0	22.00	21.94	21.89	21.90	21.86	22.50
	16QAM	1	0	21.93	21.90	21.88	21.82	21.86	22.50
		1	13	22.08	22.01	22.16	22.06	21.90	22.50
		1	24	21.85	21.96	21.79	21.94	21.90	22.50
		12	0	20.87	20.81	20.82	20.81	20.65	21.50
		12	6	20.88	20.86	20.82	20.93	20.85	21.50
		12	13	20.83	20.81	20.83	20.73	20.82	21.50
		25	0	20.93	20.95	20.83	20.88	20.86	21.50
	64QAM	1	0	20.80	20.61	20.58	20.68	20.63	21.50
		1	13	20.83	20.80	20.97	20.94	20.78	21.50
		1	24	20.68	20.74	20.62	20.73	20.69	21.50
		12	0	19.63	19.55	19.63	19.55	19.45	20.50
		12	6	19.73	19.69	19.62	19.73	19.63	20.50
		12	13	19.57	19.56	19.58	19.59	19.62	20.50
		25	0	19.76	19.72	19.63	19.73	19.63	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	22.39	22.44	22.23	22.27	22.42	23.00
		1	25	22.18	22.25	22.60	22.54	22.58	23.00
		1	49	22.18	22.24	22.17	22.24	22.20	23.00
		25	0	21.83	21.93	21.89	21.93	21.88	22.50
		25	13	21.92	21.89	21.80	21.84	21.98	22.50
		25	25	21.90	21.82	21.92	21.85	21.96	22.50
		50	0	21.89	21.84	21.86	21.89	21.92	22.50
	16QAM	1	0	21.92	21.93	22.04	21.93	21.94	22.50
		1	25	22.03	21.72	21.97	21.98	21.93	22.50
		1	49	21.86	21.93	21.93	21.96	21.91	22.50
		25	0	20.81	20.94	20.87	20.83	20.90	21.50
		25	13	21.08	20.99	20.71	20.81	20.91	21.50
		25	25	20.81	20.90	20.71	20.72	20.75	21.50
		50	0	20.99	20.98	20.91	20.93	20.95	21.50
	64QAM	1	0	20.80	20.73	20.83	20.74	20.70	21.50
		1	25	20.89	20.56	20.81	20.75	20.67	21.50
		1	49	20.69	20.69	20.81	20.71	20.70	21.50
		25	0	19.59	19.62	19.69	19.57	19.64	20.50
		25	13	19.89	19.78	19.48	19.56	19.67	20.50
		25	25	19.54	19.66	19.49	19.54	19.60	20.50
		50	0	19.80	19.75	19.65	19.69	19.76	20.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.51	22.56	22.31	22.34	22.57	23.00
		1	38	22.41	22.33	22.29	22.33	22.53	23.00
		1	74	22.45	22.60	22.44	22.36	22.32	23.00
		36	0	22.03	21.95	21.96	21.95	22.14	22.50
		36	18	22.12	22.02	22.04	21.97	22.02	22.50
		36	39	22.07	22.09	22.06	22.04	21.97	22.50
		75	0	22.05	22.08	22.03	22.10	22.00	22.50
	16QAM	1	0	22.24	22.11	22.11	22.16	22.28	22.50
		1	38	22.11	21.96	22.06	22.02	22.14	22.50
		1	74	22.16	22.08	22.04	21.99	22.14	22.50
		36	0	20.98	20.94	20.89	20.92	21.04	21.50
		36	18	21.06	20.96	20.87	20.92	21.03	21.50
		36	39	21.00	20.96	21.01	21.01	21.01	21.50
		75	0	21.10	21.10	21.08	21.15	21.03	21.50
	64QAM	1	0	21.10	20.86	20.83	20.96	21.12	21.50
		1	38	20.95	20.72	20.89	20.82	20.89	21.50
		1	74	20.96	20.76	20.80	20.79	20.95	21.50
		36	0	19.73	19.70	19.59	19.65	19.84	20.50
		36	18	19.90	19.78	19.71	19.77	19.76	20.50
		36	39	19.84	19.68	19.75	19.80	19.85	20.50
		75	0	19.94	19.86	19.92	19.94	19.82	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.34	22.32	22.50	22.51	22.50	23.00
		1	50	22.33	22.33	22.36	22.36	22.22	23.00
		1	99	22.31	22.32	22.31	22.40	22.37	23.00
		50	0	21.98	22.09	21.97	21.97	21.95	22.50
		50	25	22.15	22.05	21.94	21.84	22.14	22.50
		50	50	22.06	22.10	21.97	21.95	22.00	22.50
		100	0	22.10	22.03	22.04	22.08	22.08	22.50
	16QAM	1	0	22.21	21.38	22.18	22.16	22.18	22.50
		1	50	22.04	21.95	22.02	22.12	22.16	22.50
		1	99	22.06	21.99	22.00	21.93	22.13	22.50
		50	0	20.98	21.09	21.04	21.05	21.07	21.50
		50	25	21.12	21.06	21.09	21.11	21.13	21.50
		50	50	21.18	21.04	21.03	21.06	21.04	21.50
		100	0	21.13	21.11	21.06	21.04	21.07	21.50
	64QAM	1	0	21.06	21.15	20.94	20.85	21.01	21.50
		1	50	20.86	20.77	20.80	20.87	20.85	21.50
		1	99	20.82	20.77	20.74	20.67	20.88	21.50
		50	0	19.85	19.91	19.80	19.82	19.90	20.50
		50	25	19.88	19.82	19.86	19.82	19.87	20.50
		50	50	19.90	19.88	19.84	19.78	19.88	20.50
		100	0	19.80	19.84	19.89	19.87	19.87	20.50

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LTE Band 66				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	22.55	22.43	22.30	23.20
		1	2	22.55	22.52	22.45	23.20
		1	5	22.56	22.49	22.35	23.20
		3	0	22.54	22.45	22.46	23.20
		3	1	22.55	22.64	22.45	23.20
		3	3	22.55	22.48	22.44	23.20
		6	0	21.63	21.62	21.49	22.20
	16QAM	1	0	21.76	21.61	21.79	22.20
		1	2	21.69	21.95	21.81	22.20
		1	5	21.59	21.89	22.13	22.20
		3	0	21.62	21.61	21.28	22.20
		3	1	21.80	21.82	21.36	22.20
		3	3	21.58	21.63	21.41	22.20
		6	0	20.76	20.80	20.36	21.20
	64QAM	1	0	20.65	20.46	20.65	21.20
		1	2	20.51	20.77	20.80	21.20
		1	5	20.39	20.69	21.05	21.20
		3	0	20.59	20.61	20.28	21.20
		3	1	20.65	20.61	20.26	21.20
		3	3	20.43	20.48	20.26	21.20
		6	0	19.68	19.69	19.34	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	22.45	22.49	22.48	23.20
		1	7	22.58	22.67	22.40	23.20
		1	14	22.60	22.66	22.44	23.20
		8	0	21.69	21.68	21.57	22.20
		8	4	21.76	21.65	21.63	22.20
		8	7	21.74	21.75	21.50	22.20
		15	0	21.73	21.72	21.61	22.20
	16QAM	1	0	21.84	21.88	21.65	22.20
		1	7	21.85	22.09	21.66	22.20
		1	14	22.15	22.04	21.75	22.20
		8	0	20.59	20.75	20.66	21.20
		8	4	20.71	20.76	20.70	21.20
		8	7	20.62	20.74	20.50	21.20
		15	0	20.74	20.72	20.67	21.20
	64QAM	1	0	20.73	20.64	20.61	21.20
		1	7	20.71	21.08	20.38	21.20
		1	14	20.95	20.98	20.73	21.20
		8	0	19.42	19.54	19.57	20.20
		8	4	19.63	19.72	19.54	20.20
		8	7	19.49	19.54	19.48	20.20
		15	0	19.65	19.58	19.67	20.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	22.47	22.42	22.05	23.20
		1	13	22.41	22.50	22.04	23.20
		1	24	22.42	22.25	22.22	23.20
		12	0	21.48	21.46	21.32	22.20
		12	6	21.48	21.47	21.23	22.20
		12	13	21.44	21.43	20.93	22.20
	16QAM	25	0	21.41	21.35	20.90	22.20
		1	0	21.74	21.82	21.42	22.20
		1	13	22.06	21.74	21.58	22.20
		1	24	21.66	21.89	21.61	22.20
		12	0	20.48	20.47	20.19	21.20
		12	6	20.50	20.37	20.16	21.20
	64QAM	12	13	20.41	20.48	20.10	21.20
		25	0	20.42	20.45	20.03	21.20
		1	0	20.56	20.72	20.17	21.20
		1	13	20.85	20.63	20.34	21.20
		1	24	20.41	20.68	20.37	21.20
		12	0	19.26	19.23	19.18	20.20
10MHz	QPSK	12	6	19.42	19.09	18.92	20.20
		12	13	19.32	19.44	18.96	20.20
		25	0	19.31	19.23	18.84	20.20
	16QAM	1	0	22.19	22.36	22.43	23.20
		1	25	22.49	22.34	22.29	23.20
		1	49	22.33	22.38	22.26	23.20
	64QAM	25	0	21.44	21.43	21.29	22.20
		25	13	21.46	21.37	21.35	22.20
		25	25	21.50	21.48	21.31	22.20
	16QAM	50	0	21.49	21.38	21.36	22.20
		1	0	21.51	21.57	21.76	22.20
		1	25	21.30	21.60	21.67	22.20
		1	49	21.93	21.67	21.50	22.20
	64QAM	25	0	20.46	20.31	20.17	21.20
		25	13	20.52	20.58	20.43	21.20
		25	25	20.46	20.45	20.32	21.20
		50	0	20.47	20.47	20.47	21.20
	16QAM	1	0	20.48	20.48	21.08	21.20
		1	25	20.02	20.41	20.44	21.20
		1	49	20.65	20.60	20.37	21.20
		25	0	19.33	19.17	19.07	20.20
		25	13	19.32	19.34	19.36	20.20
		25	25	19.40	19.22	19.09	20.20
	64QAM	50	0	19.31	19.22	19.46	20.20

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	22.67	22.51	22.57	23.20
		1	38	22.50	22.71	22.53	23.20
		1	74	22.60	22.44	22.46	23.20
		36	0	21.52	21.61	21.53	22.20
		36	18	21.75	21.62	21.57	22.20
		36	39	21.66	21.69	21.58	22.20
		75	0	21.69	21.70	21.59	22.20
	16QAM	1	0	21.89	21.89	21.67	22.20
		1	38	21.90	21.77	21.81	22.20
		1	74	21.58	21.86	21.58	22.20
		36	0	20.58	20.65	20.55	21.20
		36	18	20.77	20.68	20.55	21.20
		36	39	20.67	20.68	20.60	21.20
		75	0	20.62	20.64	20.55	21.20
	64QAM	1	0	20.80	20.87	20.42	21.20
		1	38	20.89	20.57	20.70	21.20
		1	74	20.42	20.69	20.49	21.20
		36	0	19.55	19.65	19.45	20.20
		36	18	19.69	19.54	19.48	20.20
		36	39	19.40	19.57	19.42	20.20
		75	0	19.47	19.60	19.52	20.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	22.68	22.54	22.56	23.20
		1	50	22.58	22.66	22.31	23.20
		1	99	22.65	22.48	22.37	23.20
		50	0	21.65	21.71	21.64	22.20
		50	25	21.68	21.65	21.64	22.20
		50	50	21.69	21.62	21.50	22.20
		100	0	21.71	21.72	21.64	22.20
	16QAM	1	0	21.58	21.80	21.83	22.20
		1	50	21.81	21.80	21.79	22.20
		1	99	21.80	21.86	21.87	22.20
		50	0	20.61	20.73	20.57	21.20
		50	25	20.69	20.60	20.64	21.20
		50	50	20.65	20.69	20.64	21.20
		100	0	20.61	20.60	20.59	21.20
	64QAM	1	0	20.43	20.61	20.76	21.20
		1	50	20.81	20.75	20.67	21.20
		1	99	20.54	20.62	20.86	21.20
		50	0	19.55	19.60	19.52	20.20
		50	25	19.44	19.55	19.44	20.20
		50	50	19.47	19.69	19.54	20.20
		100	0	19.43	19.51	19.37	20.20

Table 22: Conducted Power of LTE

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8.1.5 Conducted Power of Uplink CA

- Uplink LTE CA Conducted Power of Ant0

Combination	Modulation	PCC						SCC						Receiver on		Receiver off		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	
CA_7C	QPSK	7	20	20850	1 18	0 0	2850	7	20	21048	0 0 0	0 0 0	16.39 16.18 16.42	17.20 17.20 17.20	21.29 21.17 21.43	22.10 22.10 22.10	14.72 14.62 14.87	15.70 15.70 15.70	19.21 19.11 19.28	20.10 20.10 20.10	
CA_7C	QPSK	7	20	21100	1 18	0 0	3100	7	20	21298	0 0 0	0 0 0	16.28 16.33 16.25	17.20 17.20 17.20	21.25 21.33 21.19	22.10 22.10 22.10	14.66 14.77 14.62	15.70 15.70 15.70	19.10 19.19 19.04	20.10 20.10 20.10	
CA_7C	QPSK	7	20	21100	1 18	0 0	3100	7	20	20902	0 0 0	0 0 0	16.25 16.27 16.19	17.20 17.20 17.20	21.19 21.31 21.22	22.10 22.10 22.10	14.62 14.75 14.72	15.70 15.70 15.70	19.04 19.26 19.08	20.10 20.10 20.10	
CA_7C	QPSK	7	20	21350	1 18	0 0	3350	7	20	21152	0 0 0	0 0 0	16.27 16.19 16.19	17.20 17.20 17.20	21.31 21.22 21.22	22.10 22.10 22.10	14.75 14.72 14.72	15.70 15.70 15.70	19.26 19.08 19.08	20.10 20.10 20.10	
Combination	Modulation	PCC						SCC						Receiver on		Receiver off		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	
CA_38C	QPSK	38	20	37850	1 18	0 0	37850	38	20	38048	0 0 0	0 0 0	19.68 19.48 19.51	20.10 20.10 20.10	22.58 22.49 22.56	23.00 23.00 23.00	18.11 18.02 18.21	18.60 18.60 18.60	18.11 18.02 18.21	18.60 18.60 18.60	
CA_38C	QPSK	38	20	37901	1 18	0 0	37901	38	20	38099	0 0 0	0 0 0	19.46 18.49 19.43	20.10 20.10 20.10	22.49 22.57 22.51	23.00 23.00 23.00	18.11 18.09 18.23	18.60 18.60 18.60	18.11 18.09 18.23	18.60 18.60 18.60	
CA_38C	QPSK	38	20	38099	1 18	0 0	38099	38	20	37901	0 0 0	0 0 0	19.43 19.53 19.51	20.10 20.10 20.10	22.51 22.55 22.43	23.00 23.00 23.00	18.13 18.13 18.02	18.60 18.60 18.60	18.13 18.13 18.02	18.60 18.60 18.60	
Combination	Modulation	PCC						SCC						Receiver on		Receiver off		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune- up(dBm)	Power	tune- up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	
CA_41C	QPSK	41	20	39750	1 18	0 0	38750	41	20	39948	0 0 0	0 0 0	19.05 19.01 19.11	19.50 19.50 19.50	19.63 19.58 19.55	20.50 20.50 20.50	18.31 18.22 18.29	18.80 18.80 18.80	18.31 18.22 18.29	18.80 18.80 18.80	
CA_41C	QPSK	41	20	40185	1 18	0 0	39150	41	20	40383	0 0 0	0 0 0	19.06 18.93 18.86	19.50 19.50 19.50	19.62 19.48 19.63	20.50 20.50 20.50	18.17 18.31 18.26	18.80 18.80 18.80	18.17 18.31 18.26	18.80 18.80 18.80	
CA_41C	QPSK	41	20	40185	1 18	0 0	39150	41	20	39987	0 0 0	0 0 0	18.99 18.92 19.03	19.50 19.50 19.50	19.61 19.55 19.53	20.50 20.50 20.50	18.19 18.11 18.22	18.80 18.80 18.80	18.19 18.11 18.22	18.80 18.80 18.80	
CA_41C	QPSK	41	20	40620	1 18	0 0	39150	41	20	40818	0 0 0	0 0 0	18.99 19.01 19.01	19.50 19.50 19.50	19.61 18.55 18.55	20.50 20.50 20.50	18.19 18.14 18.37	18.80 18.80 18.80	18.19 18.14 18.37	18.80 18.80 18.80	
CA_41C	QPSK	41	20	41055	1 18	0 0	39150	41	20	41253	0 0 0	0 0 0	18.96 18.86 18.93	19.50 19.50 19.50	19.48 19.62 19.51	20.50 20.50 20.50	18.37 18.36 18.22	18.80 18.80 18.80	18.37 18.36 18.22	18.80 18.80 18.80	
CA_41C	QPSK	41	20	41055	1 18	0 0	39150	41	20	40857	0 0 0	0 0 0	18.87 18.99 18.83	19.50 19.50 19.50	19.44 19.58 19.53	20.50 20.50 20.50	18.16 18.55 18.46	18.80 18.80 18.80	18.16 18.55 18.46	18.80 18.80 18.80	
CA_41C	QPSK	41	20	41490	1 18	0 0	39550	41	20	41292	0 0 0	0 0 0	18.99 18.83 18.83	19.50 19.50 19.50	19.58 19.53 19.53	20.50 20.50 20.50	18.55 18.46 18.46	18.80 18.80 18.80	18.55 18.46 18.46	18.80 18.80 18.80	

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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• Uplink LTE CA Conducted Power of Ant2

Combination	Modulation	PCC						SCC						Receiver on		Receiver off		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	
CA_7C	QPSK	7	20	20850	18	0	2850	7	20	21048	0	0	13.82	15.00	19.32	19.80	13.55	14.00	17.32	17.70	
					1	0					0	0	13.71	15.00	19.18	19.80	13.29	14.00	17.14	17.70	
CA_7C	QPSK	7	20	21100	18	0	3100	7	20	21298	0	0	13.96	15.00	19.25	19.80	13.50	14.00	17.19	17.70	
					1	0					0	0	13.88	15.00	19.11	19.80	13.33	14.00	17.01	17.70	
CA_7C	QPSK	7	20	21100	18	0	3100	7	20	20902	0	0	13.85	15.00	19.17	19.80	13.29	14.00	17.08	17.70	
					1	0					0	0	13.81	15.00	19.02	19.80	13.32	14.00	16.99	17.70	
CA_7C	QPSK	7	20	21350	18	0	3350	7	20	21152	0	0	13.79	15.00	19.12	19.80	13.24	14.00	17.03	17.70	
					1	0					0	0	13.71	15.00	19.00	19.80	13.18	14.00	16.95	17.70	

Combination	Modulation	PCC						SCC						Receiver on		Receiver off		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on		WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on WWAN+WLAN 5G+BT Receiver on		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	
CA_38C	QPSK	38	20	37850	18	0	37850	38	20	38048	0	0	15.59	16.50	20.50	21.30	14.18	14.90	14.57	15.40	18.78	19.50	
					1	0					0	0	15.51	16.50	20.28	21.30	13.83	14.90	14.44	15.40	18.55	19.50	
CA_38C	QPSK	38	20	37901	18	0	37901	38	20	38099	0	0	15.48	16.50	20.37	21.30	13.95	14.90	14.45	15.40	18.51	19.50	
					1	0					0	0	15.34	16.50	20.22	21.30	13.83	14.90	14.39	15.40	18.38	19.50	
CA_38C	QPSK	38	20	38099	18	0	38099	38	20	37901	0	0	15.60	16.50	20.39	21.30	13.93	14.90	14.52	15.40	18.67	19.50	
					1	0					0	0	15.42	16.50	20.18	21.30	13.82	14.90	14.24	15.40	18.36	19.50	
CA_38C	QPSK	38	20	38150	18	0	38150	38	20	37952	0	0	15.62	16.50	20.54	21.30	14.07	14.90	14.61	15.40	18.66	19.50	
					1	0					0	0	15.48	16.50	20.32	21.30	13.92	14.90	14.45	15.40	18.61	19.50	

Combination	Modulation	PCC						SCC						Receiver on		Receiver off		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off		WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on WWAN+WLAN 5G+BT Receiver on		WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)			
CA_41C	QPSK	41	20	39750	18	0	39750	41	20	39948	0	0	15.05	16.40	19.21	19.50	14.68	15.00	17.82	18.20	15.17	15.50	18.84	19.20	
					1	0					0	0	15.93	16.40	19.17	19.50	14.60	15.00	17.97	18.20	15.23	15.50	18.89	19.20	
CA_41C	QPSK	41	20	40185	18	0	39150	41	20	40363	0	0	16.01	16.40	19.22	19.50	14.82	15.00	18.02	18.20	15.17	15.50	18.96	19.20	
					1	0					0	0	15.88	16.40	19.09	19.50	14.51	15.00	17.70	18.20	15.16	15.50	18.88	19.20	
CA_41C	QPSK	41	20	40195	18	0	39150	41	20	39987	0	0	15.96	16.40	19.99	19.50	14.47	15.00	17.68	18.20	14.92	15.50	18.69	19.20	
					1	0					0	0	15.87	16.40	19.82	19.50	14.31	15.00	17.50	18.20	14.75	15.50	18.50	19.20	
CA_41C	QPSK	41	20	40620	18	0	39150	41	20	40818	0	0	15.99	16.40	19.03	19.50	14.55	15.00	17.69	18.20	15.11	15.50	18.77	19.20	
					1	0					0	0	15.79	16.40	18.92	19.50	14.35	15.00	17.57	18.20	14.99	15.50	18.50	19.20	
CA_41C	QPSK	41	20	40620	18	0	39150	41	20	40422	0	0	15.87	16.40	18.99	19.50	14.45	15.00	17.69	18.20	14.95	15.50	18.61	19.20	
					1	0					0	0	15.76	16.40	18.83	19.50	14.40	15.00	17.51	18.20	14.74	15.50	18.47	19.20	
CA_41C	QPSK	41	20	41055	18	0	39150	41	20	41253	0	0	15.95	16.40	19.32	19.50	14.76	15.00	18.10	18.20	16.26	16.50	18.99	19.20	
					1	0					0	0	15.82	16.40	19.20	19.50	14.65	15.00	17.81	18.20	15.21	15.50	18.81	19.20	
CA_41C	QPSK	41	20	41055	18	0	39150	41	20	40957	0	0	15.79	16.40	19.28	19.50	14.81	15.00	17.93	18.20	16.21	16.50	18.97	19.20	
					1	0					0	0	15.73	16.40	19.11	19.50	14.64	15.00	17.80	18.20	15.05	15.50	18.80	19.20	
CA_41C	QPSK	41	20	41490	18	0	39550	41	20	41292	0	0	15.96	16.40	19.24	19.50	14.65	15.00	17.98	18.20	15.29	15.50	18.98	19.20	
					1	0					0	0	15.84	16.40	19.09	19.50	14.66	15.00	17.86	18.20	15.03	15.50	18.87	19.20	

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• Uplink LTE CA Conducted Power of Ant3

Combination	Modulation	PCC						SCC						Receiver on/ WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on/ WWAN+WLAN 5G Receiver off WWAN+WLAN 5G+BT Receiver off		Receiver off		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)	
CA_7C	QPSK	7	20	20850	1	0	2850	7	20	21048	0	0	22.98	23.70	21.83	23.00	20.26	20.90	
					18	0					0	0	22.91	23.70	21.73	23.00	20.09	20.90	
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	21298	0	0	22.89	23.70	21.96	23.00	20.12	20.90	
					18	0					0	0	22.78	23.70	21.77	23.00	20.02	20.90	
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	20902	0	0	22.81	23.70	21.81	23.00	20.01	20.90	
					18	0					0	0	22.66	23.70	21.69	23.00	19.79	20.90	
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	0	0	22.79	23.70	21.78	23.00	20.08	20.90	
					18	0					0	0	22.67	23.70	21.66	23.00	19.82	20.90	
Combination	Modulation	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)					
CA_38C	QPSK	38	20	37850	1	0	37850	38	20	38048	0	0	23.18	23.60					
					18	0					0	0	23.05	23.60					
CA_38C	QPSK	38	20	37901	1	0	37901	38	20	38099	0	0	23.20	23.60					
					18	0					0	0	23.09	23.60					
CA_38C	QPSK	38	20	38099	1	0	38099	38	20	37901	0	0	23.21	23.60					
					18	0					0	0	23.12	23.60					
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	0	0	23.33	23.60					
					18	0					0	0	23.17	23.60					
Combination	Modulation	PCC						SCC						Receiver on/ Receiver off/ WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on		WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/ WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off			
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)			
CA_41C	QPSK	41	20	39750	1	0	38750	41	20	39948	0	0	22.83	23.50	22.22	23.00			
					18	0					0	0	22.76	23.50	22.29	23.00			
CA_41C	QPSK	41	20	40185	1	0	39150	41	20	40383	0	0	22.91	23.50	22.38	23.00			
					18	0					0	0	22.78	23.50	22.33	23.00			
CA_41C	QPSK	41	20	40185	1	0	39150	41	20	39987	0	0	22.90	23.50	22.37	23.00			
					18	0					0	0	22.83	23.50	22.34	23.00			
CA_41C	QPSK	41	20	40620	1	0	39150	41	20	40818	0	0	22.89	23.50	22.31	23.00			
					18	0					0	0	22.77	23.50	22.28	23.00			
CA_41C	QPSK	41	20	40620	1	0	39150	41	20	40422	0	0	22.85	23.50	22.39	23.00			
					18	0					0	0	22.76	23.50	22.11	23.00			
CA_41C	QPSK	41	20	41055	1	0	39150	41	20	41253	0	0	22.90	23.50	22.29	23.00			
					18	0					0	0	22.81	23.50	22.35	23.00			
CA_41C	QPSK	41	20	41055	1	0	39150	41	20	40857	0	0	22.79	23.50	22.30	23.00			
					18	0					0	0	22.73	23.50	22.26	23.00			
CA_41C	QPSK	41	20	41490	1	0	39550	41	20	41292	0	0	22.86	23.50	22.21	23.00			
					18	0					0	0	22.80	23.50	22.28	23.00			

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8.1.6 Conducted Power of WIFI and BT

2.4G WIFI Ant 8(Chain1)							
Antenna	Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
Ant8 (Chain1)	802.11g	1	2412	6	19.50	18.19	No
		6	2437		19.50	18.31	Yes
		11	2462		19.50	18.19	No
	802.11n HT20	1	2412	6.5	19.50	18.08	No
		6	2437		19.50	18.15	No
		11	2462		19.50	18.01	No
Receiver on							
Antenna	Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
Ant9 (Chain0)	802.11b	1	2412	1	15.50	14.14	No
		6	2437		15.50	14.26	No
		11	2462		15.50	14.32	Yes
	802.11g	1	2412	6	15.00	13.36	No
		6	2437		15.00	13.50	No
		11	2462		15.00	13.71	No
	802.11n HT20	1	2412	6.5	15.00	13.26	No
		6	2437		15.00	13.27	No
		11	2462		15.00	13.48	No
Receiver off/ WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off							
Antenna	Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
Ant9 (Chain0)	802.11b	1	2412	1	20.00	18.66	No
		6	2437		20.00	18.77	No
		11	2462		20.00	18.90	Yes
	802.11g	1	2412	6	19.50	17.91	No
		6	2437		19.50	17.99	No
		11	2462		19.50	18.12	No
	802.11n HT20	1	2412	6.5	19.50	17.79	No
		6	2437		19.50	17.81	No
		11	2462		19.50	17.97	No
WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on							
Antenna	Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
Ant9 (Chain0)	802.11b	1	2412	1	13.80	12.62	No
		6	2437		13.80	12.72	No
		11	2462		13.80	12.80	Yes
	802.11g	1	2412	6	13.30	11.59	No
		6	2437		13.30	11.69	No
		11	2462		13.30	11.85	No
	802.11n HT20	1	2412	6.5	13.30	11.26	No
		6	2437		13.30	11.23	No
		11	2462		13.30	11.51	No

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WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off							
Antenna	Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
Ant9 (Chain0)	802.11b	1	2412	1	18.00	16.70	No
		6	2437		18.00	16.80	No
		11	2462		18.00	16.97	Yes
	802.11g	1	2412	6	17.50	15.97	No
		6	2437		17.50	16.05	No
		11	2462		17.50	16.12	No
	802.11n HT20	1	2412	6.5	17.50	15.76	No
		6	2437		17.50	15.85	No
		11	2462		17.50	16.03	No
WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on							
Antenna	Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
Ant9 (Chain0)	802.11b	1	2412	1	16.50	15.21	No
		6	2437		16.50	15.35	No
		11	2462		16.50	15.31	No
	802.11g	1	2412	6	16.00	14.50	No
		6	2437		16.00	14.56	No
		11	2462		16.00	14.64	No
	802.11n HT20	1	2412	6.5	16.00	14.25	No
		6	2437		16.00	14.37	No
		11	2462		16.00	14.49	No

Receiver on							
Antenna	Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
MIMO	802.11g	1	2412	6	18.00	16.52	No
		6	2437		18.00	16.66	No
		11	2462		18.00	16.72	Yes
	802.11n HT20	1	2412	6.5	18.00	16.45	No
		6	2437		18.00	16.47	No
		11	2462		18.00	16.49	No
Receiver off							
Antenna	Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
MIMO	802.11g	1	2412	6	22.50	21.06	No
		6	2437		22.50	21.16	No
		11	2462		22.50	21.17	Yes
	802.11n HT20	1	2412	6.5	22.50	20.95	No
		6	2437		22.50	20.99	No
		11	2462		22.50	21.00	No

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WWAN+WLAN 2.4G Receiver on							
Antenna	Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
MIMO	802.11g	1	2412	6	16.30	14.60	No
		6	2437		16.30	14.69	No
		11	2462		16.30	14.86	Yes
	802.11n HT20	1	2412	6.5	16.30	14.30	No
		6	2437		16.30	14.28	No
		11	2462		16.30	14.51	No
WWAN+WLAN 2.4G Receiver off							
Antenna	Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
MIMO	802.11g	1	2412	6	20.50	18.93	No
		6	2437		20.50	19.01	No
		11	2462		20.50	19.16	No
	802.11n HT20	1	2412	6.5	20.50	18.77	No
		6	2437		20.50	18.83	No
		11	2462		20.50	19.0	No

Ant 6(chain0) Receiver on/ WLAN 5G+BT Receiver on							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	19.5	18.00	No
		40	5200		19.5	18.17	No
		44	5220		19.5	18.11	No
		48	5240		19.5	18.05	No
	U-NII-2A	52	5260		19.5	18.15	No
		56	5280		19.5	18.08	No
		60	5300		19.5	18.07	No
		64	5320		19.5	18.21	Yes
	U-NII-2C	100	5500		19.5	18.13	No
		104	5520		19.5	18.03	No
		108	5540		19.5	17.85	No
		112	5560		19.5	17.96	No
		116	5580		19.5	18.29	Yes
		120	5600		19.5	18.01	No
		124	5620		19.5	18.03	No
		128	5640		19.5	18.11	No
		132	5660		19.5	18.04	No
		136	5680		19.5	18.12	No
		140	5700		19.5	18.16	No
	U-NII-3	149	5745		12.5	10.90	No
		153	5765		12.5	10.89	No
		157	5785		12.5	10.99	No
		161	5805		12.5	10.95	No
		165	5825		12.5	11.07	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	19.0	17.48	No
		40	5200		19.0	17.46	No
		44	5220		19.0	17.42	No
		48	5240		19.0	17.51	No
	U-NII-2A	52	5260		19.0	17.45	No
		56	5280		19.0	17.44	No
		60	5300		19.0	17.47	No
		64	5320		19.0	17.52	No
	U-NII-2C	100	5500		19.0	17.43	No
		104	5520		19.0	17.42	No
		108	5540		19.0	17.26	No
		112	5560		19.0	17.41	No
		116	5580		19.0	17.42	No
		120	5600		19.0	17.54	No
		124	5620		19.0	17.37	No
		128	5640		19.0	17.53	No
		132	5660		19.0	17.63	No
		136	5680		19.0	17.57	No
		140	5700		19.0	17.51	No
	U-NII-3	149	5745		12.5	10.75	No
		153	5765		12.5	10.74	No
		157	5785		12.5	10.73	No
		161	5805		12.5	10.87	No
		165	5825		12.5	10.99	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	16.0	14.97	No
		46	5230		19.0	17.94	No
	U-NII-2A	54	5270		19.0	17.95	No
		62	5310		15.0	13.94	No
	U-NII-2C	102	5510		13.5	12.41	No
		110	5550		19.0	17.62	No
		118	5590		19.0	17.99	No
		126	5630		19.0	17.86	No
		134	5670		19.0	17.95	No
	U-NII-3	151	5755		12.5	10.49	No
		159	5795		12.5	10.56	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	18.5	16.99	No
		40	5200		18.5	16.98	No
		44	5220		18.5	17.01	No
		48	5240		18.5	17.01	No
	U-NII-2A	52	5260		18.5	17.03	No
		56	5280		18.5	17.01	No
		60	5300		18.5	16.95	No
		64	5320		18.5	17.08	No
	U-NII-2C	100	5500		18.5	16.94	No
		104	5520		18.5	16.85	No
		108	5540		18.5	16.83	No
		112	5560		18.5	16.83	No
		116	5580		18.5	17.02	No
		120	5600		18.5	17.07	No
		124	5620		18.5	17.15	No
		128	5640		18.5	17.11	No
		132	5660		18.5	17.20	No
		136	5680		18.5	17.15	No
		140	5700		18.5	17.03	No
	U-NII-3	149	5745		12.5	10.81	No
		153	5765		12.5	10.75	No
		157	5785		12.5	10.74	No
		161	5805		12.5	10.88	No
		165	5825		12.5	10.99	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	16.0	17.41	No
		46	5230		18.5	17.43	No
	U-NII-2A	54	5270		18.5	17.45	No
		62	5310		15.0	17.52	No
	U-NII-2C	102	5510		13.5	17.33	No
		110	5550		18.5	17.19	No
		118	5590		18.5	17.52	No
		126	5630		18.5	17.62	No
		134	5670		18.5	17.63	No
	U-NII-3	151	5755		12.5	10.77	No
		159	5795		12.5	10.87	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	14.5	13.19	No
	U-NII-2A	58	5290		14.0	12.79	No
	U-NII-2C	106	5530		13.5	11.97	No
		122	5610		18.5	17.21	No
	U-NII-3	155	5775		12.5	10.90	Yes

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Ant 6(chain0) Receiver off/ WLAN 5G+BT Receiver off/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	19.5	18.00	No
		40	5200		19.5	18.17	Yes
		44	5220		19.5	18.11	No
		48	5240		19.5	18.05	No
	U-NII-2A	52	5260		19.5	18.15	No
		56	5280		19.5	18.08	No
		60	5300		19.5	18.07	No
		64	5320		19.5	18.21	Yes
	U-NII-2C	100	5500		19.5	18.13	No
		104	5520		19.5	18.03	No
		108	5540		19.5	17.85	No
		112	5560		19.5	17.96	No
		116	5580		19.5	18.29	Yes
		120	5600		19.5	18.01	No
		124	5620		19.5	18.03	No
		128	5640		19.5	18.11	No
		132	5660		19.5	18.04	No
		136	5680		19.5	18.12	No
		140	5700		19.5	18.16	No
	U-NII-3	149	5745		13.5	11.93	No
		153	5765		13.5	11.87	No
		157	5785		13.5	11.96	No
		161	5805		13.5	11.91	No
		165	5825		13.5	12.12	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	19.0	17.48	No
		40	5200		19.0	17.46	No
		44	5220		19.0	17.42	No
		48	5240		19.0	17.51	No
	U-NII-2A	52	5260		19.0	17.45	No
		56	5280		19.0	17.44	No
		60	5300		19.0	17.47	No
		64	5320		19.0	17.52	No
	U-NII-2C	100	5500		19.0	17.43	No
		104	5520		19.0	17.42	No
		108	5540		19.0	17.26	No
		112	5560		19.0	17.41	No
		116	5580		19.0	17.42	No
		120	5600		19.0	17.54	No
		124	5620		19.0	17.37	No

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	U-NII-3	128	5640		19.0	17.53	No
		132	5660		19.0	17.63	No
		136	5680		19.0	17.57	No
		140	5700		19.0	17.51	No
		149	5745		13.5	11.77	No
		153	5765		13.5	11.75	No
		157	5785		13.5	11.78	No
		161	5805		13.5	11.85	No
		165	5825		13.5	11.97	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	16.0	14.85	No
		46	5230		19.0	17.94	No
	U-NII-2A	54	5270		19.0	17.95	No
		62	5310		15.0	13.82	No
	U-NII-2C	102	5510		13.5	12.39	No
		110	5550		19.0	17.62	No
		118	5590		19.0	17.99	No
		126	5630		19.0	17.86	No
		134	5670		19.0	17.95	No
	U-NII-3	151	5755		13.5	11.54	No
		159	5795		13.5	11.52	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	18.5	16.99	No
		40	5200		18.5	16.98	No
		44	5220		18.5	17.01	No
		48	5240		18.5	17.01	No
	U-NII-2A	52	5260		18.5	17.03	No
		56	5280		18.5	17.01	No
		60	5300		18.5	16.95	No
		64	5320		18.5	17.08	No
	U-NII-2C	100	5500		18.5	16.94	No
		104	5520		18.5	16.85	No
		108	5540		18.5	16.83	No
		112	5560		18.5	16.83	No
		116	5580		18.5	17.02	No
		120	5600		18.5	17.07	No
		124	5620		18.5	17.15	No
		128	5640		18.5	17.11	No
		132	5660		18.5	17.20	No
		136	5680		18.5	17.15	No
		140	5700		18.5	17.03	No
	U-NII-3	149	5745		13.5	11.79	No
		153	5765		13.5	11.73	No
		157	5785		13.5	11.76	No
		161	5805		13.5	11.86	No
		165	5825		13.5	12.01	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	16.0	15.02	No
		46	5230		18.5	17.43	No
	U-NII-2A	54	5270		18.5	17.45	No
		62	5310		15.0	14.06	No
	U-NII-2C	102	5510		13.5	12.43	No
		110	5550		18.5	17.19	No
		118	5590		18.5	17.52	No
		126	5630		18.5	17.62	No
		134	5670		18.5	17.63	No
	U-NII-3	151	5755		13.5	11.82	No
		159	5795		13.5	11.91	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	14.5	13.33	No
	U-NII-2A	58	5290		14.0	12.69	No
	U-NII-2C	106	5530		13.5	12.03	No
		122	5610		18.5	17.21	No
	U-NII-3	155	5775		13.5	11.96	Yes

Ant 9(chain1) Receiver on/ WLAN 5G+BT Receiver on							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	13.1	11.60	No
		40	5200		13.1	11.62	No
		44	5220		13.1	11.85	No
		48	5240		13.1	11.91	No
	U-NII-2A	52	5260		13.1	12.15	Yes
		56	5280		13.1	12.06	No
		60	5300		13.1	12.01	No
		64	5320		13.1	11.90	No
	U-NII-2C	100	5500		13.1	12.29	No
		104	5520		13.1	12.38	No
		108	5540		13.1	12.23	No
		112	5560		13.1	12.31	No
		116	5580		13.1	12.41	Yes
		120	5600		13.1	12.32	No
		124	5620		13.1	12.23	No
		128	5640		13.1	12.26	No
		132	5660		13.1	12.25	No
		136	5680		13.1	12.21	No
		140	5700		13.1	12.40	No
	U-NII-3	149	5745		12.5	12.44	No
		153	5765		12.5	12.38	No
		157	5785		12.5	12.47	No

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	161	5805		12.5	12.41	No
	165	5825		12.5	12.38	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	12.6	11.03	No
		40	5200		12.6	11.12	No
		44	5220		12.6	11.28	No
		48	5240		12.6	11.32	No
	U-NII-2A	52	5260		12.6	11.37	No
		56	5280		12.6	11.55	No
		60	5300		12.6	11.40	No
		64	5320		12.6	11.40	No
	U-NII-2C	100	5500		12.6	11.64	No
		104	5520		12.6	11.77	No
		108	5540		12.6	11.71	No
		112	5560		12.6	11.72	No
		116	5580		12.6	11.79	No
		120	5600		12.6	11.72	No
		124	5620		12.6	11.59	No
		128	5640		12.6	11.67	No
		132	5660		12.6	11.63	No
		136	5680		12.6	11.65	No
		140	5700		12.6	11.83	No
	U-NII-3	149	5745		12.5	12.40	No
		153	5765		12.5	12.39	No
		157	5785		12.5	12.39	No
		161	5805		12.5	12.41	No
		165	5825		12.5	12.44	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	12.6	11.52	No
		46	5230		12.6	11.68	No
	U-NII-2A	54	5270		12.6	11.85	No
		62	5310		12.6	11.74	No
	U-NII-2C	102	5510		12.6	11.97	No
		110	5550		12.6	12.08	No
		118	5590		12.6	12.07	No
		126	5630		12.6	12.05	No
		134	5670		12.6	12.11	No
	U-NII-3	151	5755		12.5	12.16	No
		159	5795		12.5	12.27	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	12.1	10.54	No
		40	5200		12.1	10.64	No
		44	5220		12.1	10.81	No
		48	5240		12.1	10.94	No
	U-NII-2A	52	5260		12.1	10.99	No
		56	5280		12.1	11.15	No
		60	5300		12.1	10.92	No
		64	5320		12.1	11.05	No
	U-NII-2C	100	5500		12.1	11.22	No
		104	5520		12.1	11.37	No
		108	5540		12.1	11.30	No
		112	5560		12.1	11.50	No
		116	5580		12.1	11.35	No
		120	5600		12.1	11.30	No
		124	5620		12.1	11.32	No
		128	5640		12.1	11.29	No
		132	5660		12.1	11.35	No
		136	5680		12.1	11.26	No
		140	5700		12.1	11.45	No
	U-NII-3	149	5745		12.5	12.45	No
		153	5765		12.5	12.51	No
		157	5785		12.5	12.47	No
		161	5805		12.5	12.40	No
		165	5825		12.5	12.42	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	12.1	11.01	No
		46	5230		12.1	11.31	No
	U-NII-2A	54	5270		12.1	11.37	No
		62	5310		12.1	11.31	No
	U-NII-2C	102	5510		12.1	11.74	No
		110	5550		12.1	11.74	No
		118	5590		12.1	11.68	No
		126	5630		12.1	11.66	No
		134	5670		12.1	11.66	No
	U-NII-3	151	5755		12.5	12.41	No
		159	5795		12.5	12.51	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	12.1	10.80	No
	U-NII-2A	58	5290		12.1	11.19	No
	U-NII-2C	106	5530		12.1	11.46	No
		122	5610		12.1	11.43	No
		138	5690		12.1	11.37	No
	U-NII-3	155	5775		12.5	12.47	Yes

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Ant 9(chain1) Receiver off/ WLAN 5G+BT Receiver off							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	18.5	17.19	No
		40	5200		18.5	17.24	No
		44	5220		18.5	17.40	No
		48	5240		18.5	17.70	Yes
	U-NII-2A	52	5260		18.5	17.60	No
		56	5280		18.5	17.58	No
		60	5300		18.5	17.76	Yes
		64	5320		18.5	17.50	No
	U-NII-2C	100	5500		18.5	17.88	No
		104	5520		18.5	17.91	No
		108	5540		18.5	17.88	No
		112	5560		18.5	17.89	No
		116	5580		18.5	17.83	No
		120	5600		18.5	17.85	No
		124	5620		18.5	17.79	No
		128	5640		18.5	17.82	No
		132	5660		18.5	17.81	No
		136	5680		18.5	17.87	No
		140	5700		18.5	17.95	Yes
	U-NII-3	149	5745		13.5	13.45	No
		153	5765		13.5	13.42	No
		157	5785		13.5	13.47	No
		161	5805		13.5	13.44	No
		165	5825		13.5	13.42	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	18.0	16.56	No
		40	5200		18.0	16.64	No
		44	5220		18.0	16.88	No
		48	5240		18.0	16.88	No
	U-NII-2A	52	5260		18.0	17.05	No
		56	5280		18.0	17.15	No
		60	5300		18.0	16.99	No
		64	5320		18.0	17.05	No
	U-NII-2C	100	5500		18.0	17.29	No
		104	5520		18.0	17.34	No
		108	5540		18.0	17.36	No
		112	5560		18.0	17.36	No
		116	5580		18.0	17.34	No
		120	5600		18.0	17.35	No
		124	5620		18.0	17.12	No
		128	5640		18.0	17.20	No
		132	5660		18.0	17.28	No
		136	5680		18.0	17.26	No
		140	5700		18.0	17.38	No

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	U-NII-3	149	5745		13.5	13.46	No
		153	5765		13.5	13.42	No
		157	5785		13.5	13.41	No
		161	5805		13.5	13.47	No
		165	5825		13.5	13.45	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	16.0	15.17	No
		46	5230		18.0	17.33	No
	U-NII-2A	54	5270		18.0	17.45	No
		62	5310		15.0	14.42	No
	U-NII-2C	102	5510		13.5	13.14	No
		110	5550		18.0	17.69	No
		118	5590		18.0	17.75	No
		126	5630		18.0	17.58	No
		134	5670		18.0	17.68	No
	U-NII-3	151	5755		13.5	13.15	No
		159	5795		13.5	13.24	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	17.5	16.11	No
		40	5200		17.5	16.21	No
		44	5220		17.5	16.44	No
		48	5240		17.5	16.49	No
	U-NII-2A	52	5260		17.5	16.60	No
		56	5280		17.5	16.74	No
		60	5300		17.5	16.55	No
		64	5320		17.5	16.65	No
	U-NII-2C	100	5500		17.5	16.90	No
		104	5520		17.5	16.91	No
		108	5540		17.5	16.90	No
		112	5560		17.5	17.04	No
		116	5580		17.5	17.05	No
		120	5600		17.5	16.86	No
		124	5620		17.5	16.90	No
		128	5640		17.5	16.81	No
		132	5660		17.5	16.93	No
		136	5680		17.5	16.91	No
		140	5700		17.5	17.03	No
	U-NII-3	149	5745		13.5	13.45	No
		153	5765		13.5	13.48	No
		157	5785		13.5	13.45	No
		161	5805		13.5	13.46	No
		165	5825		13.5	13.43	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	16.0	15.21	No
		46	5230		17.5	16.94	No
	U-NII-2A	54	5270		17.5	17.02	No
		62	5310		15.0	14.49	No
	U-NII-2C	102	5510		13.5	13.29	No
		110	5550		17.5	17.27	No
		118	5590		17.5	17.32	No
		126	5630		17.5	17.30	No
		134	5670		17.5	17.23	No
	U-NII-3	151	5755		13.5	13.44	No
		159	5795		13.5	13.48	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	14.5	13.38	No
	U-NII-2A	58	5290		14.0	16.29	No
	U-NII-2C	106	5530		13.5	12.95	No
		122	5610		17.5	17.01	No
	U-NII-3	155	5775		13.5	13.47	Yes
Ant 9(chain1) WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	11.3	10.04	No
		40	5200		11.3	10.17	No
		44	5220		11.3	10.33	No
		48	5240		11.3	10.45	No
	U-NII-2A	52	5260		11.3	10.49	Yes
		56	5280		11.3	10.47	No
		60	5300		11.3	10.48	No
		64	5320		11.3	10.44	No
	U-NII-2C	100	5500		11.3	10.78	No
		104	5520		11.3	10.80	No
		108	5540		11.3	10.81	No
		112	5560		11.3	10.76	No
		116	5580		11.3	10.82	Yes
		120	5600		11.3	10.74	No
		124	5620		11.3	10.73	No
		128	5640		11.3	10.67	No
		132	5660		11.3	10.65	No
		136	5680		11.3	10.78	No
		140	5700		11.3	10.80	No
	U-NII-3	149	5745		11.0	10.86	No
		153	5765		11.0	10.88	No
		157	5785		11.0	10.93	No
		161	5805		11.0	10.91	No
		165	5825		11.0	10.91	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	10.8	9.47	No
		40	5200		10.8	9.52	No
		44	5220		10.8	9.75	No
		48	5240		10.8	9.75	No
	U-NII-2A	52	5260		10.8	9.90	No
		56	5280		10.8	9.99	No
		60	5300		10.8	9.90	No
		64	5320		10.8	9.90	No
	U-NII-2C	100	5500		10.8	10.20	No
		104	5520		10.8	10.26	No
		108	5540		10.8	10.23	No
		112	5560		10.8	10.28	No
		116	5580		10.8	10.20	No
		120	5600		10.8	10.28	No
		124	5620		10.8	10.04	No
		128	5640		10.8	10.14	No
		132	5660		10.8	10.13	No
		136	5680		10.8	10.18	No
		140	5700		10.8	10.24	No
		149	5745		11.0	10.99	No
	U-NII-3	153	5765		11.0	10.89	No
		157	5785		11.0	10.91	No
		161	5805		11.0	10.95	No
		165	5825		11.0	10.99	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	10.8	9.96	No
		46	5230		10.8	10.21	No
	U-NII-2A	54	5270		10.8	10.33	No
		62	5310		10.8	10.25	No
	U-NII-2C	102	5510		10.8	10.53	No
		110	5550		10.8	10.63	No
		118	5590		10.8	10.69	No
		126	5630		10.8	10.42	No
		134	5670		10.8	10.57	No
	U-NII-3	151	5755		11.0	10.66	No
		159	5795		11.0	10.75	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	10.3	9.00	No
		40	5200		10.3	9.07	No
		44	5220		10.3	9.38	No
		48	5240		10.3	9.33	No
	U-NII-2A	52	5260		10.3	9.53	No
		56	5280		10.3	9.62	No
		60	5300		10.3	9.42	No
		64	5320		10.3	9.50	No
	U-NII-2C	100	5500		10.3	9.80	No
		104	5520		10.3	9.75	No
		108	5540		10.3	9.80	No
		112	5560		10.3	9.95	No
		116	5580		10.3	9.95	No
		120	5600		10.3	9.77	No
		124	5620		10.3	9.84	No
		128	5640		10.3	9.65	No
		132	5660		10.3	9.81	No
		136	5680		10.3	9.75	No
		140	5700		10.3	9.96	No
	U-NII-3	149	5745		11.0	10.99	No
		153	5765		11.0	10.98	No
		157	5785		11.0	10.96	No
		161	5805		11.0	10.95	No
		165	5825		11.0	10.99	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	10.3	9.58	No
		46	5230		10.3	9.88	No
	U-NII-2A	54	5270		10.3	9.86	No
		62	5310		10.3	9.88	No
	U-NII-2C	102	5510		10.3	10.18	No
		110	5550		10.3	10.13	No
		118	5590		10.3	10.24	No
		126	5630		10.3	10.15	No
		134	5670		10.3	10.11	No
	U-NII-3	151	5755		11.0	10.94	No
		159	5795		11.0	10.87	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	10.3	9.31	No
	U-NII-2A	58	5290		10.3	9.58	No
	U-NII-2C	106	5530		10.3	9.98	No
		122	5610		10.3	9.90	No
	U-NII-3	155	5775		11.0	10.96	Yes

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Ant 9(chain1) WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	17.6	16.00	No
		40	5200		17.6	16.18	No
		44	5220		17.6	16.36	No
		48	5240		17.6	16.59	Yes
	U-NII-2A	52	5260		17.6	16.48	No
		56	5280		17.6	16.49	No
		60	5300		17.6	16.53	No
		64	5320		17.6	16.48	No
	U-NII-2C	100	5500		17.6	16.79	No
		104	5520		17.6	16.86	No
		108	5540		17.6	16.83	No
		112	5560		17.6	16.78	No
		116	5580		17.6	16.85	No
		120	5600		17.6	16.74	No
		124	5620		17.6	16.64	No
		128	5640		17.6	16.76	No
		132	5660		17.6	16.72	No
		136	5680		17.6	16.73	No
		140	5700		17.6	16.89	No
	U-NII-3	149	5745		13.5	13.45	No
		153	5765		13.5	13.42	No
		157	5785		13.5	13.47	No
		161	5805		13.5	13.44	No
		165	5825		13.5	13.42	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	17.1	15.48	No
		40	5200		17.1	15.60	No
		44	5220		17.1	15.83	No
		48	5240		17.1	15.81	No
	U-NII-2A	52	5260		17.1	15.91	No
		56	5280		17.1	16.03	No
		60	5300		17.1	15.81	No
		64	5320		17.1	15.90	No
	U-NII-2C	100	5500		17.1	16.14	No
		104	5520		17.1	16.24	No
		108	5540		17.1	16.24	No
		112	5560		17.1	16.17	No
		116	5580		17.1	16.31	No
		120	5600		17.1	16.24	No
		124	5620		17.1	16.02	No
		128	5640		17.1	16.16	No
		132	5660		17.1	16.18	No
		136	5680		17.1	16.15	No

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		140	5700		17.1	16.30	No
		149	5745		13.5	13.46	No
		153	5765		13.5	13.42	No
		157	5785		13.5	13.41	No
		161	5805		13.5	13.47	No
		165	5825		13.5	13.45	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	16.0	14.95	No
		46	5230		17.1	16.18	No
	U-NII-2A	54	5270		17.1	16.35	No
		62	5310		15.0	14.11	No
	U-NII-2C	102	5510		13.5	12.87	No
		110	5550		17.1	16.64	No
		118	5590		17.1	16.62	No
		126	5630		17.1	16.48	No
		134	5670		17.1	16.60	No
		151	5755		13.5	13.15	No
	U-NII-3	159	5795		13.5	13.24	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	16.6	15.02	No
		40	5200		16.6	15.16	No
		44	5220		16.6	15.35	No
		48	5240		16.6	15.47	No
	U-NII-2A	52	5260		16.6	15.52	No
		56	5280		16.6	15.55	No
		60	5300		16.6	15.44	No
		64	5320		16.6	15.54	No
	U-NII-2C	100	5500		16.6	15.76	No
		104	5520		16.6	15.82	No
		108	5540		16.6	15.83	No
		112	5560		16.6	15.97	No
		116	5580		16.6	15.90	No
		120	5600		16.6	15.76	No
		124	5620		16.6	15.85	No
		128	5640		16.6	15.72	No
		132	5660		16.6	15.85	No
		136	5680		16.6	15.77	No
		140	5700		16.6	15.98	No
	U-NII-3	149	5745		13.5	13.45	No
		153	5765		13.5	13.48	No
		157	5785		13.5	13.45	No
		161	5805		13.5	13.46	No
		165	5825		13.5	13.43	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	16.0	14.92	No
		46	5230		16.6	15.82	No
	U-NII-2A	54	5270		16.6	15.94	No
		62	5310		15.0	14.22	No
	U-NII-2C	102	5510		13.5	13.01	No
		110	5550		16.6	16.20	No
		118	5590		16.6	16.18	No
		126	5630		16.6	16.16	No
		134	5670		16.6	16.20	No
	U-NII-3	151	5755		13.5	13.44	No
		159	5795		13.5	13.48	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	14.5	13.20	No
	U-NII-2A	58	5290		14.0	13.04	No
	U-NII-2C	106	5530		13.5	12.87	No
		122	5610		16.6	15.89	No
	U-NII-3	155	5775		13.5	13.47	No

Ant 9(chain1) WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	14.0	12.61	No
		40	5200		14.0	12.56	No
		44	5220		14.0	12.80	No
		48	5240		14.0	12.89	No
	U-NII-2A	52	5260		14.0	13.03	No
		56	5280		14.0	13.09	No
		60	5300		14.0	13.02	No
		64	5320		14.0	12.84	No
	U-NII-2C	100	5500		14.0	13.28	No
		104	5520		14.0	13.35	No
		108	5540		14.0	13.22	No
		112	5560		14.0	13.25	No
		116	5580		14.0	13.44	No
		120	5600		14.0	13.26	No
		124	5620		14.0	13.27	No
		128	5640		14.0	13.20	No
		132	5660		14.0	13.20	No
		136	5680		14.0	13.19	No
		140	5700		14.0	13.39	No
	U-NII-3	149	5745		12.5	12.44	No
		153	5765		12.5	12.38	No
		157	5785		12.5	12.47	No
		161	5805		12.5	12.41	No
		165	5825		12.5	12.38	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	13.5	12.02	No
		40	5200		13.5	12.09	No
		44	5220		13.5	12.23	No
		48	5240		13.5	12.34	No
	U-NII-2A	52	5260		13.5	12.33	No
		56	5280		13.5	12.51	No
		60	5300		13.5	12.36	No
		64	5320		13.5	12.43	No
	U-NII-2C	100	5500		13.5	12.64	No
		104	5520		13.5	12.74	No
		108	5540		13.5	12.67	No
		112	5560		13.5	12.69	No
		116	5580		13.5	12.79	No
		120	5600		13.5	12.74	No
		124	5620		13.5	12.61	No
		128	5640		13.5	12.67	No
		132	5660		13.5	12.66	No
		136	5680		13.5	12.69	No
		140	5700		13.5	12.80	No
		149	5745		12.5	12.40	No
	U-NII-3	153	5765		12.5	12.39	No
		157	5785		12.5	12.39	No
		161	5805		12.5	12.41	No
		165	5825		12.5	12.44	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	13.5	12.47	No
		46	5230		13.5	12.70	No
	U-NII-2A	54	5270		13.5	12.84	No
		62	5310		13.5	12.70	No
	U-NII-2C	102	5510		13.5	12.96	No
		110	5550		13.5	13.07	No
		118	5590		13.5	13.05	No
		126	5630		13.5	13.05	No
		134	5670		13.5	13.06	No
	U-NII-3	151	5755		12.5	12.16	No
		159	5795		12.5	12.27	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	13.0	11.56	No
		40	5200		13.0	11.67	No
		44	5220		13.0	11.76	No
		48	5240		13.0	11.96	No
	U-NII-2A	52	5260		13.0	11.95	No
		56	5280		13.0	12.14	No
		60	5300		13.0	11.89	No
		64	5320		13.0	12.03	No
	U-NII-2C	100	5500		13.0	12.19	No
		104	5520		13.0	12.40	No
		108	5540		13.0	12.32	No
		112	5560		13.0	12.51	No
		116	5580		13.0	12.30	No
		120	5600		13.0	12.25	No
		124	5620		13.0	12.32	No
		128	5640		13.0	12.32	No
		132	5660		13.0	12.32	No
		136	5680		13.0	12.21	No
		140	5700		13.0	12.47	No
	U-NII-3	149	5745		12.5	12.45	No
		153	5765		12.5	12.51	No
		157	5785		12.5	12.47	No
		161	5805		12.5	12.40	No
		165	5825		12.5	12.42	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	13.0	11.97	No
		46	5230		13.0	12.29	No
	U-NII-2A	54	5270		13.0	12.41	No
		62	5310		13.0	12.27	No
	U-NII-2C	102	5510		13.0	12.73	No
		110	5550		13.0	12.77	No
		118	5590		13.0	12.64	No
		126	5630		13.0	12.63	No
		134	5670		13.0	12.67	No
	U-NII-3	151	5755		12.5	12.41	No
		159	5795		12.5	12.51	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	13.0	11.80	No
	U-NII-2A	58	5290		13.0	12.13	No
	U-NII-2C	106	5530		13.0	12.49	No
		122	5610		13.0	12.44	No
		138	5690		13.0	12.32	No
	U-NII-3	155	5775		12.5	12.47	No

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Ant 9(chain1) WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	18.5	17.09	No
		40	5200		18.5	17.10	No
		44	5220		18.5	17.35	No
		48	5240		18.5	17.39	No
	U-NII-2A	52	5260		18.5	17.50	No
		56	5280		18.5	17.47	No
		60	5300		18.5	17.56	No
		64	5320		18.5	17.45	No
	U-NII-2C	100	5500		18.5	17.75	No
		104	5520		18.5	17.81	No
		108	5540		18.5	17.78	No
		112	5560		18.5	17.87	No
		116	5580		18.5	17.80	No
		120	5600		18.5	17.73	No
		124	5620		18.5	17.67	No
		128	5640		18.5	17.76	No
		132	5660		18.5	17.79	No
		136	5680		18.5	17.77	No
		140	5700		18.5	17.92	No
	U-NII-3	149	5745		13.5	13.45	No
		153	5765		13.5	13.42	No
		157	5785		13.5	13.47	No
		161	5805		13.5	13.44	No
		165	5825		13.5	13.42	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	18.0	16.53	No
		40	5200		18.0	16.58	No
		44	5220		18.0	16.87	No
		48	5240		18.0	16.85	No
	U-NII-2A	52	5260		18.0	16.87	No
		56	5280		18.0	17.06	No
		60	5300		18.0	16.83	No
		64	5320		18.0	16.97	No
	U-NII-2C	100	5500		18.0	17.23	No
		104	5520		18.0	17.24	No
		108	5540		18.0	17.30	No
		112	5560		18.0	17.27	No
		116	5580		18.0	17.26	No
		120	5600		18.0	17.19	No
		124	5620		18.0	17.05	No
		128	5640		18.0	17.13	No
		132	5660		18.0	17.10	No
		136	5680		18.0	17.15	No
		140	5700		18.0	17.32	No

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		149	5745		13.5	13.46	No
		153	5765		13.5	13.42	No
		157	5785		13.5	13.41	No
		161	5805		13.5	13.47	No
		165	5825		13.5	13.45	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	16.0	15.01	No
		46	5230		18.0	17.23	No
	U-NII-2A	54	5270		18.0	17.30	No
		62	5310		15.0	14.36	No
	U-NII-2C	102	5510		13.5	12.99	No
		110	5550		18.0	17.59	No
		118	5590		18.0	17.66	No
		126	5630		18.0	17.49	No
		134	5670		18.0	17.61	No
	U-NII-3	151	5755		13.5	13.15	No
		159	5795		13.5	13.24	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	17.5	16.08	No
		40	5200		17.5	16.13	No
		44	5220		17.5	16.31	No
		48	5240		17.5	16.47	No
	U-NII-2A	52	5260		17.5	16.54	No
		56	5280		17.5	16.64	No
		60	5300		17.5	16.46	No
		64	5320		17.5	16.56	No
	U-NII-2C	100	5500		17.5	16.73	No
		104	5520		17.5	16.88	No
		108	5540		17.5	16.83	No
		112	5560		17.5	17.01	No
		116	5580		17.5	16.88	No
		120	5600		17.5	16.73	No
		124	5620		17.5	16.82	No
		128	5640		17.5	16.74	No
		132	5660		17.5	16.81	No
		136	5680		17.5	16.77	No
		140	5700		17.5	16.96	No
	U-NII-3	149	5745		13.5	13.45	No
		153	5765		13.5	13.48	No
		157	5785		13.5	13.45	No
		161	5805		13.5	13.46	No
		165	5825		13.5	13.43	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	16.0	15.02	No
		46	5230		17.5	16.84	No
	U-NII-2A	54	5270		17.5	16.94	No
		62	5310		15.0	14.29	No
	U-NII-2C	102	5510		13.5	13.11	No
		110	5550		17.5	17.18	No
		118	5590		17.5	17.26	No
		126	5630		17.5	17.18	No
		134	5670		17.5	17.24	No
	U-NII-3	151	5755		13.5	13.44	No
		159	5795		13.5	13.48	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	14.5	13.22	No
	U-NII-2A	58	5290		14.0	13.12	No
	U-NII-2C	106	5530		13.5	12.93	No
		122	5610		17.5	16.86	No
	U-NII-3	155	5775		13.5	13.47	No

MIMO Receiver on/ WLAN 5G+BT Receiver on							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	16.1	14.55	No
		40	5200		16.1	14.64	No
		44	5220		16.1	14.75	No
		48	5240		16.1	14.72	No
	U-NII-2A	52	5260		16.1	14.97	Yes
		56	5280		16.1	14.82	No
		60	5300		16.1	14.78	No
		64	5320		16.1	14.81	No
	U-NII-2C	100	5500		16.1	14.97	No
		104	5520		16.1	14.96	No
		108	5540		16.1	14.84	No
		112	5560		16.1	14.93	No
		116	5580		16.1	15.11	Yes
		120	5600		16.1	14.93	No
		124	5620		16.1	14.90	No
		128	5640		16.1	14.98	No
		132	5660		16.1	14.90	No
		136	5680		16.1	14.92	No
		140	5700		16.1	15.06	No
	U-NII-3	149	5745		15.5	14.75	No
		153	5765		15.5	14.71	No
		157	5785		15.5	14.80	No
		161	5805		15.5	14.75	No
		165	5825		15.5	14.78	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	15.6	13.99	No
		40	5200		15.6	14.06	No
		44	5220		15.6	14.11	No
		48	5240		15.6	14.16	No
	U-NII-2A	52	5260		15.6	14.16	No
		56	5280		15.6	14.26	No
		60	5300		15.6	14.20	No
		64	5320		15.6	14.24	No
	U-NII-2C	100	5500		15.6	14.29	No
		104	5520		15.6	14.36	No
		108	5540		15.6	14.25	No
		112	5560		15.6	14.33	No
		116	5580		15.6	14.40	No
		120	5600		15.6	14.40	No
		124	5620		15.6	14.24	No
		128	5640		15.6	14.36	No
		132	5660		15.6	14.38	No
		136	5680		15.6	14.39	No
		140	5700		15.6	14.45	No
	U-NII-3	149	5745		15.5	14.66	No
		153	5765		15.5	14.65	No
		157	5785		15.5	14.65	No
		161	5805		15.5	14.72	No
		165	5825		15.5	14.79	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	15.6	14.5	No
		46	5230		15.6	14.58	No
	U-NII-2A	54	5270		15.6	14.64	No
		62	5310		15.6	14.57	No
	U-NII-2C	102	5510		15.6	14.66	No
		110	5550		15.6	14.64	No
		118	5590		15.6	14.81	No
		126	5630		15.6	14.71	No
		134	5670		15.6	14.79	No
	U-NII-3	151	5755		15.5	14.41	No
		159	5795		15.5	14.51	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	15.1	13.54	No
		40	5200		15.1	13.58	No
		44	5220		15.1	13.69	No
		48	5240		15.1	13.72	No
	U-NII-2A	52	5260		15.1	13.76	No
		56	5280		15.1	13.82	No
		60	5300		15.1	13.71	No
		64	5320		15.1	13.83	No

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	U-NII-2C	100	5500		15.1	13.87	No
		104	5520		15.1	13.89	No
		108	5540		15.1	13.85	No
		112	5560		15.1	13.98	No
		116	5580		15.1	13.96	No
		120	5600		15.1	13.97	No
		124	5620		15.1	13.99	No
		128	5640		15.1	13.98	No
		132	5660		15.1	14.03	No
		136	5680		15.1	13.99	No
		140	5700		15.1	14.00	No
	U-NII-3	149	5745		15.5	14.72	No
		153	5765		15.5	14.73	No
		157	5785		15.5	14.70	No
		161	5805		15.5	14.72	No
		165	5825		15.5	14.77	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	15.1	13.96	No
		46	5230		15.1	14.13	No
	U-NII-2A	54	5270		15.1	14.17	No
		62	5310		15.1	14.15	No
	U-NII-2C	102	5510		15.1	14.32	No
		110	5550		15.1	14.27	No
		118	5590		15.1	14.34	No
		126	5630		15.1	14.41	No
		134	5670		15.1	14.42	No
	U-NII-3	151	5755		15.5	14.68	No
		159	5795		15.5	14.78	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	15.1	13.77	No
	U-NII-2A	58	5290		15.1	13.95	No
	U-NII-2C	106	5530		15.1	13.97	No
		122	5610		15.1	14.09	No
	U-NII-3	155	5775		15.5	14.77	Yes

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MIMO Receiver off/ WLAN 5G+BT Receiver off							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	21.5	20.12	No
		40	5200		21.5	20.24	No
		44	5220		21.5	20.31	No
		48	5240		21.5	20.42	Yes
	U-NII-2A	52	5260		21.5	20.41	No
		56	5280		21.5	20.35	No
		60	5300		21.5	20.49	Yes
		64	5320		21.5	20.37	No
	U-NII-2C	100	5500		21.5	20.53	No
		104	5520		21.5	20.53	No
		108	5540		21.5	20.41	No
		112	5560		21.5	20.48	No
		116	5580		21.5	20.59	No
		120	5600		21.5	20.48	No
		124	5620		21.5	20.45	No
		128	5640		21.5	20.52	No
		132	5660		21.5	20.44	No
		136	5680		21.5	20.54	No
		140	5700		21.5	20.60	Yes
	U-NII-3	149	5745		16.5	15.77	No
		153	5765		16.5	15.72	No
		157	5785		16.5	15.79	No
		161	5805		16.5	15.75	No
		165	5825		16.5	15.83	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	21	19.55	No
		40	5200		21	19.56	No
		44	5220		21	19.70	No
		48	5240		21	19.72	No
	U-NII-2A	52	5260		21	19.78	No
		56	5280		21	19.81	No
		60	5300		21	19.74	No
		64	5320		21	19.79	No
	U-NII-2C	100	5500		21	19.90	No
		104	5520		21	19.94	No
		108	5540		21	19.87	No
		112	5560		21	19.95	No
		116	5580		21	19.93	No
		120	5600		21	19.97	No
		124	5620		21	19.77	No
		128	5640		21	19.88	No
		132	5660		21	19.97	No
		136	5680		21	19.93	No
		140	5700		21	20.00	No

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	U-NII-3	149	5745		16.5	15.71	No
		153	5765		16.5	15.67	No
		157	5785		16.5	15.68	No
		161	5805		16.5	15.74	No
		165	5825		16.5	15.78	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	19.0	18.04	No
		46	5230		21.0	20.18	No
	U-NII-2A	54	5270		21.0	20.24	No
		62	5310		18.0	17.20	No
	U-NII-2C	102	5510		16.5	15.74	No
		110	5550		21.0	20.22	No
		118	5590		21.0	20.42	No
		126	5630		21.0	20.24	No
		134	5670		21.0	20.37	No
	U-NII-3	151	5755		16.5	15.43	No
		159	5795		16.5	15.48	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	20.5	19.08	No
		40	5200		20.5	19.15	No
		44	5220		20.5	19.27	No
		48	5240		20.5	19.28	No
	U-NII-2A	52	5260		20.5	19.34	No
		56	5280		20.5	19.41	No
		60	5300		20.5	19.30	No
		64	5320		20.5	19.38	No
	U-NII-2C	100	5500		20.5	19.46	No
		104	5520		20.5	19.42	No
		108	5540		20.5	19.42	No
		112	5560		20.5	19.48	No
		116	5580		20.5	19.60	No
		120	5600		20.5	19.51	No
		124	5620		20.5	19.56	No
		128	5640		20.5	19.52	No
		132	5660		20.5	19.60	No
		136	5680		20.5	19.56	No
		140	5700		20.5	19.58	No
	U-NII-3	149	5745		16.5	15.71	No
		153	5765		16.5	15.70	No
		157	5785		16.5	15.70	No
		161	5805		16.5	15.74	No
		165	5825		16.5	15.79	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	19.0	18.07	No
		46	5230		20.5	19.73	No
	U-NII-2A	54	5270		20.5	19.77	No
		62	5310		18.0	17.31	No
	U-NII-2C	102	5510		16.5	15.85	No
		110	5550		20.5	19.79	No
		118	5590		20.5	19.95	No
		126	5630		20.5	20.02	No
		134	5670		20.5	19.98	No
	U-NII-3	151	5755		16.5	15.72	No
		159	5795		16.5	15.77	No
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	17.5	16.35	No
	U-NII-2A	58	5290		17.0	17.85	No
	U-NII-2C	106	5530		16.5	15.50	No
		122	5610		20.5	19.65	No
	U-NII-3	155	5775		16.5	15.79	Yes
MIMO WWAN+WLAN 5G Receiver on/ WWAN+WLAN 5G+BT Receiver on							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	14.3	13.09	No
		40	5200		14.3	13.17	No
		44	5220		14.3	13.34	No
		48	5240		14.3	13.45	No
	U-NII-2A	52	5260		14.3	13.47	Yes
		56	5280		14.3	13.44	No
		60	5300		14.3	13.46	No
		64	5320		14.3	13.41	No
	U-NII-2C	100	5500		14.3	13.72	No
		104	5520		14.3	13.73	No
		108	5540		14.3	13.74	No
		112	5560		14.3	13.73	No
		116	5580		14.3	13.77	Yes
		120	5600		14.3	13.69	No
		124	5620		14.3	13.73	No
		128	5640		14.3	13.68	No
		132	5660		14.3	13.69	No
		136	5680		14.3	13.73	No
		140	5700		14.3	13.71	No
	U-NII-3	149	5745		14.0	13.23	No
		153	5765		14.0	13.22	No
		157	5785		14.0	13.27	No
		161	5805		14.0	13.26	No
		165	5825		14.0	13.31	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	13.8	12.45	No
		40	5200		13.8	12.55	No
		44	5220		13.8	12.75	No
		48	5240		13.8	12.76	No
	U-NII-2A	52	5260		13.8	12.94	No
		56	5280		13.8	13.00	No
		60	5300		13.8	12.91	No
		64	5320		13.8	12.90	No
	U-NII-2C	100	5500		13.8	13.20	No
		104	5520		13.8	13.27	No
		108	5540		13.8	13.27	No
		112	5560		13.8	13.26	No
		116	5580		13.8	13.22	No
		120	5600		13.8	13.29	No
		124	5620		13.8	13.01	No
		128	5640		13.8	13.14	No
		132	5660		13.8	13.16	No
		136	5680		13.8	13.20	No
		140	5700		13.8	13.29	No
	U-NII-3	149	5745		14.0	13.21	No
		153	5765		14.0	13.17	No
		157	5785		14.0	13.16	No
		161	5805		14.0	13.26	No
		165	5825		14.0	13.33	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	13.8	12.97	No
		46	5230		13.8	13.24	No
	U-NII-2A	54	5270		13.8	13.35	No
		62	5310		13.8	13.25	No
	U-NII-2C	102	5510		13.8	13.54	No
		110	5550		13.8	13.62	No
		118	5590		13.8	13.66	No
		126	5630		13.8	13.45	No
		134	5670		13.8	13.59	No
	U-NII-3	151	5755		14.0	12.96	No
		159	5795		14.0	13.00	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	13.3	12.01	No
		40	5200		13.3	12.07	No
		44	5220		13.3	12.38	No
		48	5240		13.3	12.34	No
	U-NII-2A	52	5260		13.3	12.53	No
		56	5280		13.3	12.62	No
		60	5300		13.3	12.42	No
		64	5320		13.3	12.55	No
	U-NII-2C	100	5500		13.3	12.81	No
		104	5520		13.3	12.76	No
		108	5540		13.3	12.81	No
		112	5560		13.3	12.97	No
		116	5580		13.3	12.97	No
		120	5600		13.3	12.75	No
		124	5620		13.3	12.81	No
		128	5640		13.3	12.69	No
		132	5660		13.3	12.82	No
		136	5680		13.3	12.79	No
		140	5700		13.3	12.93	No
	U-NII-3	149	5745		14.0	13.24	No
		153	5765		14.0	13.19	No
		157	5785		14.0	13.19	No
		161	5805		14.0	13.26	No
		165	5825		14.0	13.32	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	13.3	12.59	No
		46	5230		13.3	12.87	No
	U-NII-2A	54	5270		13.3	12.90	No
		62	5310		13.3	12.86	No
	U-NII-2C	102	5510		13.3	13.17	No
		110	5550		13.3	13.14	No
		118	5590		13.3	13.23	No
		126	5630		13.3	13.17	No
		134	5670		13.3	13.11	No
	U-NII-3	151	5755		14.0	13.21	No
		159	5795		14.0	13.20	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	13.3	12.33	No
	U-NII-2A	58	5290		13.3	12.62	No
	U-NII-2C	106	5530		13.3	12.98	No
		122	5610		13.3	12.93	No
	U-NII-3	155	5775		14.0	13.35	Yes

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MIMO WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	20.6	19.00	No
		40	5200		20.6	19.17	No
		44	5220		20.6	19.22	No
		48	5240		20.6	19.42	Yes
	U-NII-2A	52	5260		20.6	19.33	No
		56	5280		20.6	19.30	No
		60	5300		20.6	19.33	No
		64	5320		20.6	19.36	No
	U-NII-2C	100	5500		20.6	19.46	No
		104	5520		20.6	19.49	No
		108	5540		20.6	19.38	No
		112	5560		20.6	19.40	No
		116	5580		20.6	19.56	No
		120	5600		20.6	19.40	No
		124	5620		20.6	19.34	No
		128	5640		20.6	19.48	No
		132	5660		20.6	19.41	No
		136	5680		20.6	19.46	No
		140	5700		20.6	19.56	No
	U-NII-3	149	5745		16.5	15.77	No
		153	5765		16.5	15.72	No
		157	5785		16.5	15.79	No
		161	5805		16.5	15.75	No
		165	5825		16.5	15.83	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	20.1	18.50	No
		40	5200		20.1	18.54	No
		44	5220		20.1	18.63	No
		48	5240		20.1	18.69	No
	U-NII-2A	52	5260		20.1	18.69	No
		56	5280		20.1	18.77	No
		60	5300		20.1	18.62	No
		64	5320		20.1	18.71	No
	U-NII-2C	100	5500		20.1	18.80	No
		104	5520		20.1	18.84	No
		108	5540		20.1	18.81	No
		112	5560		20.1	18.80	No
		116	5580		20.1	18.92	No
		120	5600		20.1	18.92	No
		124	5620		20.1	18.70	No
		128	5640		20.1	18.85	No
		132	5660		20.1	18.90	No
		136	5680		20.1	18.90	No
		140	5700		20.1	18.95	No

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	U-NII-3	149	5745		16.5	15.71	No
		153	5765		16.5	15.67	No
		157	5785		16.5	15.68	No
		161	5805		16.5	15.74	No
		165	5825		16.5	15.78	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	19.0	17.91	No
		46	5230		20.1	19.08	No
	U-NII-2A	54	5270		20.1	19.16	No
		62	5310		18.0	16.95	No
	U-NII-2C	102	5510		16.5	15.58	No
		110	5550		20.1	19.14	No
		118	5590		20.1	19.35	No
		126	5630		20.1	19.20	No
		134	5670		20.1	19.30	No
	U-NII-3	151	5755		16.5	15.43	No
		159	5795		16.5	15.48	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	19.6	18.00	No
		40	5200		19.6	18.07	No
		44	5220		19.6	18.20	No
		48	5240		19.6	18.23	No
	U-NII-2A	52	5260		19.6	18.31	No
		56	5280		19.6	18.29	No
		60	5300		19.6	18.20	No
		64	5320		19.6	18.30	No
	U-NII-2C	100	5500		19.6	18.35	No
		104	5520		19.6	18.38	No
		108	5540		19.6	18.36	No
		112	5560		19.6	18.42	No
		116	5580		19.6	18.49	No
		120	5600		19.6	18.45	No
		124	5620		19.6	18.52	No
		128	5640		19.6	18.43	No
		132	5660		19.6	18.56	No
		136	5680		19.6	18.46	No
		140	5700		19.6	18.54	No
	U-NII-3	149	5745		16.5	15.71	No
		153	5765		16.5	15.70	No
		157	5785		16.5	15.70	No
		161	5805		16.5	15.74	No
		165	5825		16.5	15.79	No

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	19.0	17.88	No
		46	5230		19.6	18.63	No
	U-NII-2A	54	5270		19.6	18.69	No
		62	5310		18.0	17.06	No
	U-NII-2C	102	5510		16.5	15.66	No
		110	5550		19.6	18.74	No
		118	5590		19.6	18.89	No
		126	5630		19.6	18.89	No
		134	5670		19.6	18.91	No
	U-NII-3	151	5755		16.5	15.72	No
		159	5795		16.5	15.77	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	17.5	16.17	No
	U-NII-2A	58	5290		17.0	15.82	No
	U-NII-2C	106	5530		16.5	15.37	No
		122	5610		19.6	18.56	No
	U-NII-3	155	5775		16.5	15.79	No

Table 23: Conducted Power of WiFi

Note:

- Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.
- Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
 - 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.
 - 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.
- 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.

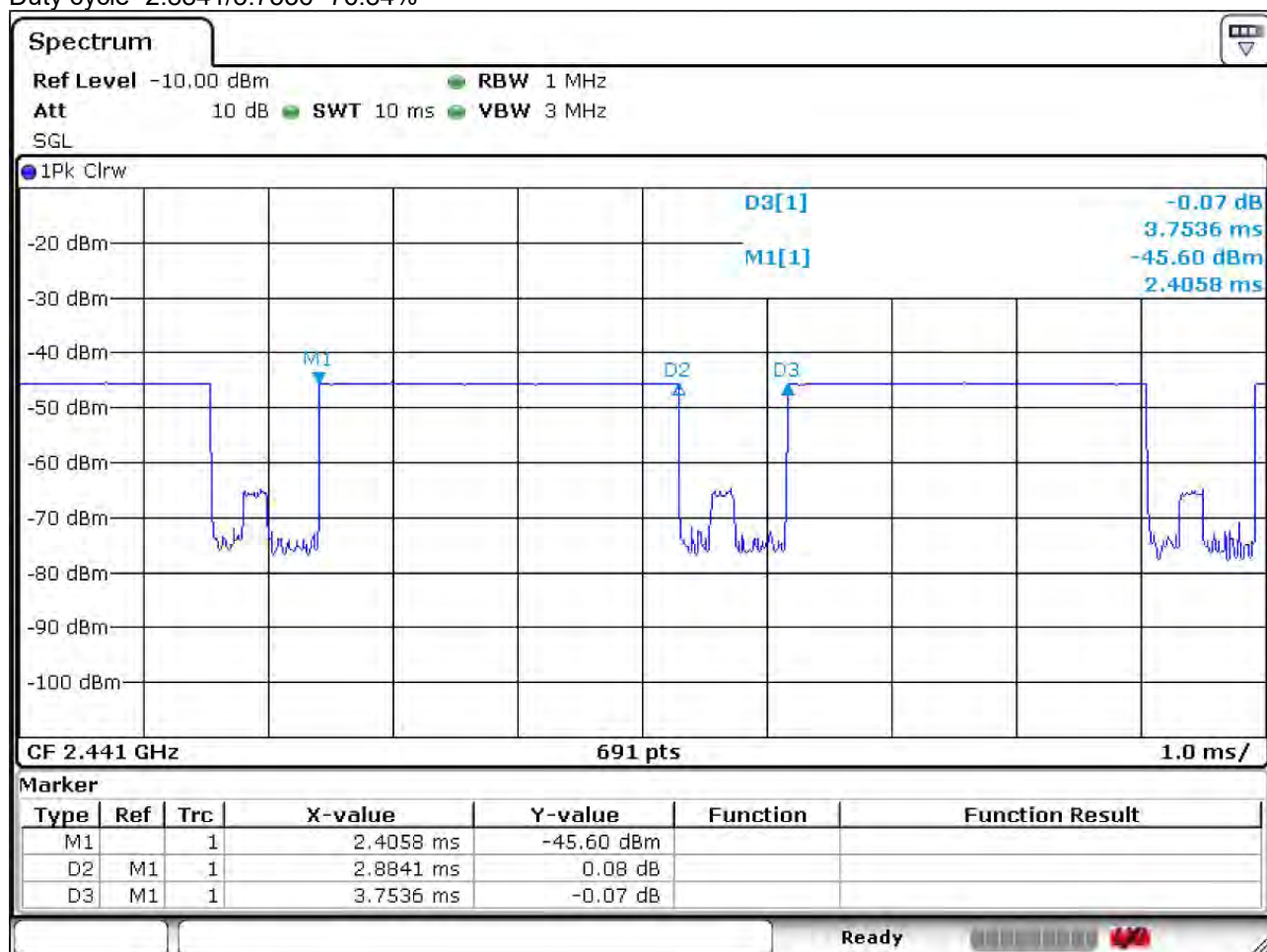
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BT		Average Conducted Power(dBm)			
Band	Channel	0	39	78	Tune up
BT	GFSK	13.56	13.64	13.53	14.5
	$\pi/4$ DQPSK	11.04	11.54	11.49	14.5
	8DPSK	11.12	11.51	11.57	14.5
	Channel	0	19	39	Tune up
BLE	GFSK	4.34	4.61	5.06	7.5

Table 24: Conducted Power of BT

Duty cycle=2.8841/3.7536=76.84%



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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				
WiFi 2.4G Ant8(Chain1)	2.47	Head	19.5	89.13	5.0	28.01	3.0	N
		Body-worn	19.5	89.13	15.0	9.34	3.0	N
		Hotspot	19.5	89.13	10.0	14.01	3.0	N
WiFi 2.4G Ant9(Chain0)	2.47	Head	20.0	100.00	5.0	31.43	3.0	N
		Body-worn	20.0	100.00	15.0	10.48	3.0	N
		Hotspot	20.0	100.00	10.0	15.72	3.0	N
WiFi 2.4G MIMO	2.47	Head	22.5	177.83	5.0	55.90	3.0	N
		Body-worn	22.5	177.83	15.0	18.63	3.0	N
		Hotspot	22.5	177.83	10.0	27.95	3.0	N
WiFi 5G Ant6(Chain0)	5.85	Head	19.5	89.13	5.0	43.11	3.0	N
		Body-worn	19.5	89.13	15.0	14.37	3.0	N
		Hotspot	19.5	89.13	10.0	21.56	3.0	N
WiFi 5G Ant9(Chain1)	5.85	Head	18.5	70.79	5.0	34.25	3.0	N
		Body-worn	18.5	70.79	15.0	11.42	3.0	N
		Hotspot	18.5	70.79	10.0	17.12	3.0	N
WiFi 5G MIMO	5.85	Head	21.5	141.25	5.0	68.33	3.0	N
		Body-worn	21.5	141.25	15.0	22.78	3.0	N
		Hotspot	21.5	141.25	10.0	34.16	3.0	N
Bluetooth	2.48	Head	14.5	28.18	5.0	8.88	3.0	N
		Body-worn	14.5	28.18	15.0	2.96	3.0	Yes
		Hotspot	14.5	28.18	10.0	4.44	3.0	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:

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ 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 Estimated SAR

When the standalone SAR test exclusion is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to determine simultaneous transmission SAR test exclusion:

- (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm) · [$\sqrt{f(\text{GHz})}$]/x] W/kg for test separation distances ≤ 50 mm;

Where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.

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

Estimated SAR Result

Freq. Band	Frequency (GHz)	Test Position	max. power(dBm)	Test Separation (mm)	Estimated
					SAR (W/kg)
Bluetooth	2.48	Body-worn	14.5	15	0.395

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8.4 Measurement of SAR Data

8.4.1 SAR Result of GSM850

Ant 0 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	GSM	190/836.6	1:8.3	0.683	0.379	0.13	32.55	33.20	1.161	0.793	0.440	22.0
Left tilted	GSM	190/836.6	1:8.3	0.124	0.080	0.18	32.55	33.20	1.161	0.144	0.093	22.0
Right cheek	GSM	190/836.6	1:8.3	0.659	0.303	0.06	32.55	33.20	1.161	0.765	0.352	22.0
Right tilted	GSM	190/836.6	1:8.3	0.137	0.087	0.12	32.55	33.20	1.161	0.159	0.101	22.0
Head Test Data at the worst case with Battery 2#												
Left cheek	GSM	190/836.6	1:8.3	0.668	0.370	0.13	32.55	33.20	1.161	0.776	0.430	22.0
Body worn Test data(Separate 15mm)												
Front side	GSM	190/836.6	1:8.3	0.126	0.083	0.08	32.55	33.20	1.161	0.146	0.096	22.0
Back side	GSM	190/836.6	1:8.3	0.187	0.120	-0.03	32.55	33.20	1.161	0.217	0.139	22.0
Body Test Data at the worst case with Battery 2#												
Back side	GSM	190/836.6	1:2.075	0.183	0.117	-0.02	32.51	33.20	1.172	0.215	0.137	22.0
Hotspot Test data(Separate 10mm)												
Front side	GPRS 3TS	190/836.6	1:2.77	0.253	0.162	-0.12	28.77	30.20	1.390	0.352	0.225	22.0
Back side	GPRS 3TS	190/836.6	1:2.77	0.364	0.236	-0.08	28.77	30.20	1.390	0.506	0.328	22.0
Left side	GPRS 3TS	190/836.6	1:2.77	0.571	0.319	0.08	28.77	30.20	1.390	0.794	0.443	22.0
Top side	GPRS 3TS	190/836.6	1:2.77	0.024	0.016	0.02	28.77	30.20	1.390	0.033	0.023	22.0
Body Test Data at the worst case with Battery 2#												
Left side	GPRS 3TS	190/836.6	1:2.77	0.559	0.313	0.09	28.77	30.20	1.390	0.777	0.435	22.0

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Ant 1 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	GSM	190/836.6	1:8.3	0.248	0.194	0.01	32.71	34.00	1.346	0.334	0.261	22.0
Left tilted	GSM	190/836.6	1:8.3	0.161	0.114	0.17	32.71	34.00	1.346	0.217	0.153	22.0
Right cheek	GSM	190/836.6	1:8.3	0.354	0.265	0.01	32.71	34.00	1.346	0.476	0.357	22.0
Right tilted	GSM	190/836.6	1:8.3	0.176	0.124	-0.01	32.71	34.00	1.346	0.237	0.167	22.0
Head Test Data at the worst case with Battery 2#												
Right cheek	GSM	190/836.6	1:8.3	0.173	0.125	0.04	32.71	34.00	1.346	0.233	0.168	22.0
Body worn Test data(Separate 15mm)												
Front side	GSM	190/836.6	1:8.3	0.105	0.070	0.01	30.82	32.20	1.374	0.144	0.096	22.0
Back side	GSM	190/836.6	1:8.3	0.118	0.072	0.03	30.82	32.20	1.374	0.162	0.099	22.0
Body Test Data at the worst case with Battery 2#												
Back side	GSM	190/836.6	1:8.3	0.115	0.071	0.15	30.82	32.20	1.374	0.158	0.097	22.0
Hotspot Test data(Separate 10mm)												
Front side	GPRS 3TS	190/836.6	1:2.77	0.343	0.199	-0.09	27.25	29.20	1.567	0.537	0.312	22.0
Back side	GPRS 3TS	190/836.6	1:2.77	0.380	0.223	0.13	27.25	29.20	1.567	0.595	0.349	22.0
Left side	GPRS 3TS	190/836.6	1:2.77	0.081	0.056	0.19	27.25	29.20	1.567	0.127	0.088	22.0
Right side	GPRS 3TS	190/836.6	1:2.77	0.295	0.204	0.14	27.25	29.20	1.567	0.462	0.320	22.0
Bottom side	GPRS 3TS	190/836.6	1:2.77	0.318	0.180	0.07	27.25	29.20	1.567	0.498	0.282	22.0
Body Test Data at the worst case with Battery 2#												
Back side	GPRS 3TS	190/836.6	1:2.77	0.262	0.156	-0.06	27.25	29.20	1.567	0.410	0.244	22.0

Table 25: SAR of GSM850 for Head and Body

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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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8.4.2 SAR Result of GSM1900

Ant 2 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	GSM	661/1880	1:8.3	0.599	0.293	0.07	24.45	25.30	1.216	0.728	0.356	22.0
Left tilted	GSM	661/1880	1:8.3	0.652	0.314	-0.06	24.45	25.30	1.216	0.793	0.382	22.0
Right cheek	GSM	661/1880	1:8.3	0.698	0.320	-0.02	24.45	25.30	1.216	0.849	0.389	22.0
Right cheek	GSM	512/1850.2	1:8.3	0.648	0.314	0.04	24.43	25.30	1.222	0.792	0.384	22.0
Right cheek	GSM	810/1909.8	1:8.3	0.650	0.312	0.00	24.31	25.30	1.256	0.816	0.392	22.0
Right tilted	GSM	661/1880	1:8.3	0.711	0.325	0.00	24.45	25.30	1.216	0.865	0.395	22.0
Right tilted	GSM	512/1850.2	1:8.3	0.692	0.319	0.03	24.43	25.30	1.222	0.845	0.390	22.0
Right tilted	GSM	810/1909.8	1:8.3	0.719	0.327	0.01	24.31	25.30	1.256	0.903	0.411	22.0
Head Test Data at the worst case with Battery 2#												
Right tilted	GSM	810/1909.8	1:8.3	0.674	0.308	-0.01	24.31	25.30	1.256	0.847	0.387	22.0
Body worn Test data(Separate 15mm)												
Front side	GSM	661/1880	1:8.3	0.088	0.052	0.00	25.67	26.40	1.183	0.061	0.061	22.0
Back side	GSM	661/1880	1:8.3	0.129	0.075	0.05	25.67	26.40	1.183	0.089	0.089	22.0
Body Test Data at the worst case with Battery 2#												
Back side	GSM	661/1880	1:8.3	0.125	0.073	0.17	25.67	26.40	1.183	0.086	0.086	22.0
Hotspot Test data(Separate 10mm)												
Front side	GPRS 4TS	661/1880	1:2.075	0.180	0.102	0.06	21.89	22.50	1.151	0.207	0.117	22.0
Back side	GPRS 4TS	661/1880	1:2.075	0.259	0.147	0.02	21.89	22.50	1.151	0.298	0.169	22.0
Left side	GPRS 4TS	661/1880	1:2.075	0.032	0.018	0.06	21.89	22.50	1.151	0.037	0.021	22.0
Top side	GPRS 4TS	661/1880	1:2.075	0.289	0.153	-0.02	21.89	22.50	1.151	0.333	0.176	22.0
Body Test Data at the worst case with Battery 2#												
Top side	GPRS 4TS	661/1880	1:2.075	0.282	0.149	-0.16	21.89	22.50	1.151	0.325	0.171	22.0
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on)												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	GSM	661/1880	1:8.3	0.402	0.196	-0.03	22.82	23.60	1.197	0.481	0.235	22.0
Left tilted	GSM	661/1880	1:8.3	0.435	0.219	0.02	22.82	23.60	1.197	0.521	0.262	22.0
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	GSM	661/1880	1:8.3	0.476	0.229	-0.01	23.91	24.60	1.172	0.558	0.268	22.0
Left tilted	GSM	661/1880	1:8.3	0.535	0.242	0.05	23.91	24.60	1.172	0.627	0.284	22.0

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Ant 3 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	GSM	661/1880	1:8.3	0.035	0.021	0.13	28.79	30.00	1.321	0.028	0.028	22.0
Left tilted	GSM	661/1880	1:8.3	0.051	0.030	0.12	28.79	30.00	1.321	0.039	0.039	22.0
Right cheek	GSM	661/1880	1:8.3	0.071	0.048	0.15	28.79	30.00	1.321	0.063	0.063	22.0
Right tilted	GSM	661/1880	1:8.3	0.053	0.036	0.04	28.79	30.00	1.321	0.047	0.047	22.0
Head Test Data at the worst case with Battery 2#												
Right cheek	GSM	661/1880	1:8.3	0.081	0.055	0.03	28.79	30.00	1.321	0.073	0.073	22.0
Body worn Test data(Separate 15mm)												
Front side	GSM	661/1880	1:8.3	0.060	0.036	-0.12	28.79	30.00	1.321	0.048	0.048	22.0
Back side	GSM	661/1880	1:8.3	0.072	0.048	0.06	28.79	30.00	1.321	0.063	0.063	22.0
Body Test Data at the worst case with Battery 2#												
Back side	GSM	661/1880	1:8.3	0.071	0.046	0.07	28.79	30.00	1.321	0.061	0.061	22.0
Hotspot Test data(Separate 10mm)												
Front side	GPRS 4TS	661/1880	1:2.075	0.111	0.067	-0.10	23.82	25.50	1.472	0.163	0.098	22.0
Back side	GPRS 4TS	661/1880	1:2.075	0.117	0.072	-0.03	23.82	25.50	1.472	0.172	0.106	22.0
Left side	GPRS 4TS	661/1880	1:2.075	0.021	0.011	-0.05	23.82	25.50	1.472	0.031	0.017	22.0
Right side	GPRS 4TS	661/1880	1:2.075	0.151	0.087	-0.03	23.82	25.50	1.472	0.222	0.128	22.0
Bottom side	GPRS 4TS	661/1880	1:2.075	0.129	0.069	0.01	23.82	25.50	1.472	0.190	0.102	22.0
Body Test Data at the worst case with Battery 2#												
Right side	GPRS 4TS	661/1880	1:2.075	0.149	0.085	-0.02	23.82	25.50	1.472	0.219	0.125	22.0

Table 26: SAR of GSM1900 for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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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8.4.3 SAR Result of WCDMA Band II

Ant 2 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	RMC	9400/1880	1:1	0.336	0.169	0.11	14.63	15.30	1.167	0.392	0.197	22.0
Left tilted	RMC	9400/1880	1:1	0.327	0.173	0.03	14.63	15.30	1.167	0.382	0.202	22.0
Right cheek	RMC	9400/1880	1:1	0.465	0.213	0.07	14.63	15.30	1.167	0.543	0.249	22.0
Right tilted	RMC	9400/1880	1:1	0.590	0.275	0.12	14.63	15.30	1.167	0.688	0.321	22.0
Head Test Data at the worst case with Battery 2#												
Right tilted	RMC	9400/1880	1:1	0.582	0.271	0.09	14.63	15.30	1.167	0.679	0.316	22.0
Body worn Test data(Separate 15mm)												
Front side	RMC	9400/1880	1:1	0.135	0.079	0.11	17.48	18.20	1.180	0.159	0.094	22.0
Back side	RMC	9400/1880	1:1	0.180	0.106	0.03	17.48	18.20	1.180	0.212	0.125	22.0
Body Test Data at the worst case with Battery 2#												
Back side	RMC	9400/1880	1:1	0.174	0.103	0.04	17.48	18.20	1.180	0.205	0.122	22.0
Hotspot Test data(Separate 10mm)												
Front side	RMC	9400/1880	1:1	0.247	0.132	0.06	17.48	18.20	1.180	0.292	0.156	22.0
Back side	RMC	9400/1880	1:1	0.329	0.186	0.19	17.48	18.20	1.180	0.388	0.220	22.0
Left side	RMC	9400/1880	1:1	0.048	0.027	0.03	17.48	18.20	1.180	0.056	0.031	22.0
Top side	RMC	9400/1880	1:1	0.513	0.271	0.08	17.48	18.20	1.180	0.606	0.320	22.0
Body Test Data at the worst case with Battery 2#												
Top side	RMC	9400/1880	1:1	0.495	0.262	0.04	17.48	18.20	1.180	0.584	0.309	22.0
Ant 3 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	RMC	9400/1880	1:1	0.065	0.040	0.09	22.52	23.50	1.253	0.050	22.0	22.0
Left tilted	RMC	9400/1880	1:1	0.090	0.051	0.07	22.52	23.50	1.253	0.064	22.0	22.0
Right cheek	RMC	9400/1880	1:1	0.156	0.101	0.07	22.52	23.50	1.253	0.127	22.0	22.0
Right tilted	RMC	9400/1880	1:1	0.087	0.051	0.06	22.52	23.50	1.253	0.063	22.0	22.0
Head Test Data at the worst case with Battery 2#												
Right cheek	RMC	9400/1880	1:1	0.120	0.078	0.02	22.52	23.50	1.253	0.098	22.0	22.0
Body worn Test data(Separate 15mm)												
Front side	RMC	9400/1880	1:1	0.108	0.065	-0.08	22.52	23.50	1.253	0.135	0.082	22.0
Back side	RMC	9400/1880	1:1	0.127	0.084	-0.16	22.52	23.50	1.253	0.159	0.106	22.0
Body Test Data at the worst case with Battery 2#												
Back side	RMC	9400/1880	1:1	0.122	0.081	-0.14	22.52	23.50	1.253	0.153	0.102	22.0
Hotspot Test data(Separate 10mm)												
Front side	RMC	9400/1880	1:1	0.192	0.112	-0.03	22.52	23.50	1.253	0.241	0.140	22.0
Back side	RMC	9400/1880	1:1	0.208	0.128	-0.06	22.52	23.50	1.253	0.261	0.160	22.0
Left side	RMC	9400/1880	1:1	0.051	0.028	-0.18	22.52	23.50	1.253	0.063	0.035	22.0
Right side	RMC	9400/1880	1:1	0.270	0.158	-0.04	22.52	23.50	1.253	0.338	0.198	22.0
Bottom side	RMC	9400/1880	1:1	0.247	0.134	-0.18	22.52	23.50	1.253	0.310	0.168	22.0
Body Test Data at the worst case with Battery 2#												
Right side	RMC	9400/1880	1:1	0.261	0.153	0.11	22.52	23.50	1.253	0.327	0.192	22.0

Table 27: SAR of WCDMA Band II for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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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8.4.1 SAR Result of WCDMA Band IV

Ant 2 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	RMC	1412/1732.4	1:1	0.315	0.159	-0.03	15.09	15.80	1.178	0.371	0.187	22.0
Left tilted	RMC	1412/1732.4	1:1	0.424	0.210	0.15	15.09	15.80	1.178	0.499	0.247	22.0
Right cheek	RMC	1412/1732.4	1:1	0.527	0.243	0.17	15.09	15.80	1.178	0.621	0.286	22.0
Right tilted	RMC	1412/1732.4	1:1	0.645	0.298	0.19	15.09	15.80	1.178	0.760	0.351	22.0
Head Test Data at the worst case with Battery 2#												
Right tilted	RMC	1412/1732.4	1:1	0.618	0.286	0.10	15.09	15.80	1.178	0.728	0.337	22.0
Body worn Test data(Separate 15mm)												
Front side	RMC	1412/1732.4	1:1	0.104	0.062	-0.07	17.63	18.30	1.167	0.121	0.072	22.0
Back side	RMC	1412/1732.4	1:1	0.132	0.078	-0.09	17.63	18.30	1.167	0.154	0.091	22.0
Body Test Data at the worst case with Battery 2#												
Back side	RMC	1412/1732.4	1:1	0.130	0.076	0.11	17.63	18.30	1.167	0.152	0.089	22.0
Hotspot Test data(Separate 10mm)												
Front side	RMC	1412/1732.4	1:1	0.216	0.118	0.05	17.63	18.30	1.167	0.252	0.138	22.0
Back side	RMC	1412/1732.4	1:1	0.290	0.161	0.14	17.63	18.30	1.167	0.338	0.188	22.0
Left side	RMC	1412/1732.4	1:1	0.062	0.037	-0.16	17.63	18.30	1.167	0.073	0.043	22.0
Top side	RMC	1412/1732.4	1:1	0.359	0.189	-0.04	17.63	18.30	1.167	0.419	0.221	22.0
Body Test Data at the worst case with Battery 2#												
Top side	RMC	1412/1732.4	1:1	0.352	0.185	-0.02	17.63	18.30	1.167	0.411	0.216	22.0
Ant 3 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	RMC	1412/1732.4	1:1	0.029	0.020	-0.01	22.81	23.70	1.227	0.035	0.024	22.0
Left tilted	RMC	1412/1732.4	1:1	0.034	0.022	0.04	22.81	23.70	1.227	0.042	0.027	22.0
Right cheek	RMC	1412/1732.4	1:1	0.048	0.031	0.09	22.81	23.70	1.227	0.058	0.038	22.0
Right tilted	RMC	1412/1732.4	1:1	0.036	0.023	-0.01	22.81	23.70	1.227	0.044	0.028	22.0
Head Test Data at the worst case with Battery 2#												
Right cheek	RMC	1412/1732.4	1:1	0.047	0.030	0.01	22.81	23.70	1.227	0.057	0.037	22.0
Body worn Test data(Separate 15mm)												
Front side	RMC	1412/1732.4	1:1	0.032	0.019	-0.06	22.81	23.70	1.227	0.039	0.023	22.0
Back side	RMC	1412/1732.4	1:1	0.050	0.033	0.04	22.81	23.70	1.227	0.061	0.041	22.0
Body Test Data at the worst case with Battery 2#												
Back side	RMC	1412/1732.4	1:1	0.049	0.033	0.01	22.81	23.70	1.227	0.060	0.040	22.0
Hotspot Test data(Separate 10mm)												
Front side	RMC	1412/1732.4	1:1	0.068	0.038	0.07	22.81	23.70	1.227	0.083	0.047	22.0
Back side	RMC	1412/1732.4	1:1	0.072	0.041	0.01	22.81	23.70	1.227	0.088	0.050	22.0
Left side	RMC	1412/1732.4	1:1	0.020	0.012	0.04	22.81	23.70	1.227	0.025	0.014	22.0
Right side	RMC	1412/1732.4	1:1	0.072	0.042	-0.05	22.81	23.70	1.227	0.088	0.051	22.0
Bottom side	RMC	1412/1732.4	1:1	0.088	0.047	-0.02	22.81	23.70	1.227	0.108	0.057	22.0
Body Test Data at the worst case with Battery 2#												
Bottom side	RMC	1412/1732.4	1:1	0.086	0.046	0.07	22.81	23.70	1.227	0.105	0.056	22.0

Table 28: SAR of WCDMA Band IV for Head and Body.

Note:

- The maximum measured SAR value and Scaled SAR value are marked in bold. Graph results refer to Appendix B.
- 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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8.4.2 SAR Result of WCDMA Band V

Ant 0 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	RMC	4182/836.4	1:1	0.728	0.407	0.19	24.22	25.00	1.197	0.871	0.487	22.0
Left cheek	RMC	4132/826.4	1:1	0.719	0.402	0.18	24.18	25.00	1.208	0.868	0.486	22.0
Left cheek	RMC	4233/846.6	1:1	0.735	0.412	0.06	24.09	25.00	1.233	0.906	0.508	22.0
Left tilted	RMC	4182/836.4	1:1	0.175	0.115	-0.03	24.22	25.00	1.197	0.209	0.138	22.0
Right cheek	RMC	4182/836.4	1:1	0.759	0.380	-0.15	24.22	25.00	1.197	0.908	0.455	22.0
Right cheek	RMC	4132/826.4	1:1	0.796	0.398	0.10	24.18	25.00	1.208	0.961	0.481	22.0
Right cheek	RMC	4233/846.6	1:1	0.797	0.403	0.12	24.09	25.00	1.233	0.983	0.497	22.0
Right tilted	RMC	4182/836.4	1:1	0.181	0.108	0.03	24.22	25.00	1.197	0.217	0.129	22.0
Head Test Data at the worst case with Battery 2#												
Right cheek	RMC	4233/846.6	1:1	0.780	0.394	0.12	24.09	25.00	1.233	0.962	0.486	22.0
Body worn Test data(Separate 15mm)												
Front side	RMC	4182/836.4	1:1	0.175	0.117	0.04	24.22	25.00	1.197	0.209	0.140	22.0
Back side	RMC	4182/836.4	1:1	0.256	0.164	-0.01	24.22	25.00	1.197	0.306	0.196	22.0
Body Test Data at the worst case with Battery 2#												
Back side	RMC	4182/836.4	1:1	0.252	0.162	-0.07	24.22	25.00	1.197	0.302	0.194	22.0
Hotspot Test data(Separate 10mm)												
Front side	RMC	4182/836.4	1:1	0.301	0.196	0.02	24.22	25.00	1.197	0.360	0.235	22.0
Back side	RMC	4182/836.4	1:1	0.412	0.273	-0.07	24.22	25.00	1.197	0.493	0.327	22.0
Left side	RMC	4182/836.4	1:1	0.569	0.320	0.10	24.22	25.00	1.197	0.681	0.383	22.0
Top side	RMC	4182/836.4	1:1	0.021	0.015	0.17	24.22	25.00	1.197	0.025	0.017	22.0
Body Test Data at the worst case with Battery 2#												
Left side	RMC	4182/836.4	1:1	0.564	0.317	0.07	24.22	25.00	1.197	0.675	0.379	22.0
Ant 0 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	RMC	4182/836.4	1:1	0.389	0.201	0.06	21.98	22.70	1.180	0.459	0.237	22.0
Right cheek	RMC	4182/836.4	1:1	0.438	0.221	0.11	21.98	22.70	1.180	0.517	0.261	22.0

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Ant 1 Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test Data												
Left cheek	RMC	4182/836.4	1:1	0.207	0.160	0.06	24.31	25.00	1.172	0.243	0.188	22.0
Left tilted	RMC	4182/836.4	1:1	0.121	0.086	0.07	24.31	25.00	1.172	0.142	0.101	22.0
Right cheek	RMC	4182/836.4	1:1	0.271	0.199	0.09	24.31	25.00	1.172	0.318	0.233	22.0
Right tilted	RMC	4182/836.4	1:1	0.132	0.093	0.03	24.31	25.00	1.172	0.155	0.109	22.0
Head Test Data at the worst case with Battery 2#												
Right cheek	RMC	4182/836.4	1:1	0.300	0.222	-0.03	24.31	25.00	1.172	0.352	0.260	22.0
Body worn Test data(Separate 15mm)												
Front side	RMC	4182/836.4	1:1	0.187	0.121	-0.03	22.71	23.40	1.172	0.219	0.142	22.0
Back side	RMC	4182/836.4	1:1	0.216	0.130	0.09	22.71	23.40	1.172	0.253	0.152	22.0
Body Test Data at the worst case with Battery 2#												
Back side	RMC	4182/836.4	1:1	0.213	0.128	0.04	22.71	23.40	1.172	0.250	0.150	22.0
Hotspot Test data(Separate 10mm)												
Front side	RMC	4182/836.4	1:1	0.422	0.248	-0.05	22.71	23.40	1.172	0.495	0.291	22.0
Back side	RMC	4182/836.4	1:1	0.507	0.297	0.02	22.71	23.40	1.172	0.594	0.348	22.0
Left side	RMC	4182/836.4	1:1	0.117	0.081	0.03	22.71	23.40	1.172	0.137	0.095	22.0
Right side	RMC	4182/836.4	1:1	0.433	0.299	0.06	22.71	23.40	1.172	0.508	0.350	22.0
Bottom side	RMC	4182/836.4	1:1	0.413	0.235	0.01	22.71	23.40	1.172	0.484	0.275	22.0
Body Test Data at the worst case with Battery 2#												
Back side	RMC	4182/836.4	1:1	0.538	0.313	0.02	22.71	23.40	1.172	0.631	0.367	22.0

Table 29: SAR of WCDMA Band V for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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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8.4.1 SAR Result of LTE Band 2

Ant 2 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1_0	19100/1900	1:1	0.378	0.200	-0.09	15.22	16.00	1.197	0.452	0.239	22.1
Left tilted	20	QPSK	1_0	19100/1900	1:1	0.438	0.221	-0.04	15.22	16.00	1.197	0.524	0.264	22.1
Right cheek	20	QPSK	1_0	19100/1900	1:1	0.629	0.291	0.03	15.22	16.00	1.197	0.753	0.348	22.1
Right tilted	20	QPSK	1_0	19100/1900	1:1	0.734	0.338	0.05	15.22	16.00	1.197	0.878	0.404	22.1
Right tilted	20	QPSK	1_0	18700/1860	1:1	0.643	0.298	-0.06	15.16	16.00	1.213	0.780	0.362	22.1
Right tilted	20	QPSK	1_50	18900/1880	1:1	0.714	0.329	-0.01	15.20	16.00	1.202	0.858	0.396	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50_50	18900/1880	1:1	0.372	0.197	0.02	15.26	16.00	1.186	0.441	0.234	22.1
Left tilted	20	QPSK	50_50	18900/1880	1:1	0.443	0.224	-0.08	15.26	16.00	1.186	0.525	0.266	22.1
Right cheek	20	QPSK	50_50	18900/1880	1:1	0.540	0.276	-0.05	15.26	16.00	1.186	0.640	0.327	22.1
Right tilted	20	QPSK	50_50	18900/1880	1:1	0.749	0.345	0.03	15.26	16.00	1.186	0.888	0.409	22.1
Right tilted	20	QPSK	50_0	18700/1860	1:1	0.671	0.310	-0.02	15.19	16.00	1.205	0.809	0.374	22.1
Right tilted	20	QPSK	50_50	19100/1900	1:1	0.765	0.351	0.04	15.18	16.00	1.208	0.924	0.424	22.1
Head Test Data(100%RB)														
Right tilted	20	QPSK	100_0	19100/1900	1:1	0.760	0.349	0.05	15.26	16.00	1.186	0.901	0.414	22.1
Head Test Data at the worst case with Battery 2#														
Right tilted	20	QPSK	50_50	19100/1900	1:1	0.742	0.341	0.02	15.18	16.00	1.208	0.896	0.412	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1_99	19100/1900	1:1	0.160	0.095	0.02	18.61	19.10	1.119	0.179	0.106	22.1
Back side	20	QPSK	1_99	19100/1900	1:1	0.201	0.118	0.04	18.61	19.10	1.119	0.225	0.132	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50_50	19100/1900	1:1	0.158	0.094	0.06	18.49	19.10	1.151	0.182	0.108	22.1
Back side	20	QPSK	50_50	19100/1900	1:1	0.203	0.120	0.07	18.49	19.10	1.151	0.234	0.138	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	50_50	19100/1900	1:1	0.195	0.115	0.03	18.49	19.10	1.151	0.224	0.132	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1_99	19100/1900	1:1	0.290	0.167	0.01	18.61	19.10	1.119	0.325	0.187	22.1
Back side	20	QPSK	1_99	19100/1900	1:1	0.435	0.242	0.06	18.61	19.10	1.119	0.487	0.271	22.1
Left side	20	QPSK	1_99	19100/1900	1:1	0.056	0.031	0.02	18.61	19.10	1.119	0.062	0.034	22.1
Top side	20	QPSK	1_99	19100/1900	1:1	0.543	0.284	-0.01	18.61	19.10	1.119	0.608	0.318	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50_50	19100/1900	1:1	0.293	0.169	0.02	18.49	19.10	1.151	0.337	0.194	22.1
Back side	20	QPSK	50_50	19100/1900	1:1	0.444	0.247	0.01	18.49	19.10	1.151	0.511	0.284	22.1
Left side	20	QPSK	50_50	19100/1900	1:1	0.056	0.031	0.00	18.49	19.10	1.151	0.064	0.036	22.1
Top side	20	QPSK	50_50	19100/1900	1:1	0.551	0.288	-0.08	18.49	19.10	1.151	0.634	0.331	22.1
Body Test Data at the worst case with Battery 2#														
Top side	20	QPSK	50_50	19100/1900	1:1	0.535	0.280	-0.02	18.49	19.10	1.151	0.616	0.322	22.1

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Ant 3 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1_0	18700/1860	1:1	0.064	0.039	0.05	22.78	23.00	1.052	0.067	0.041	22.1
Left tilted	20	QPSK	1_0	18700/1860	1:1	0.065	0.037	0.04	22.78	23.00	1.052	0.069	0.039	22.1
Right cheek	20	QPSK	1_0	18700/1860	1:1	0.087	0.060	-0.02	22.78	23.00	1.052	0.092	0.063	22.1
Right tilted	20	QPSK	1_0	18700/1860	1:1	0.068	0.039	0.15	22.78	23.00	1.052	0.072	0.041	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50_50	18900/1880	1:1	0.063	0.039	0.03	21.69	22.00	1.074	0.068	0.042	22.1
Left tilted	20	QPSK	50_50	18900/1880	1:1	0.065	0.037	-0.02	21.69	22.00	1.074	0.069	0.039	22.1
Right cheek	20	QPSK	50_50	18900/1880	1:1	0.082	0.055	0.03	21.69	22.00	1.074	0.088	0.059	22.1
Right tilted	20	QPSK	50_50	18900/1880	1:1	0.071	0.039	0.12	21.69	22.00	1.074	0.076	0.042	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	20	QPSK	1_0	18700/1860	1:1	0.131	0.086	0.07	22.78	23.00	1.052	0.138	0.090	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1_0	18700/1860	1:1	0.088	0.053	-0.02	22.78	23.00	1.052	0.092	0.056	22.1
Back side	20	QPSK	1_0	18700/1860	1:1	0.111	0.074	-0.08	22.78	23.00	1.052	0.117	0.078	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50_50	18900/1880	1:1	0.085	0.051	0.06	21.69	22.00	1.074	0.091	0.055	22.1
Back side	20	QPSK	50_50	18900/1880	1:1	0.105	0.069	-0.07	21.69	22.00	1.074	0.113	0.074	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	1_0	18700/1860	1:1	0.107	0.072	0.04	22.78	23.00	1.052	0.113	0.075	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1_0	18700/1860	1:1	0.153	0.090	0.01	22.78	23.00	1.052	0.161	0.094	22.1
Back side	20	QPSK	1_0	18700/1860	1:1	0.173	0.107	-0.02	22.78	23.00	1.052	0.182	0.113	22.1
Left side	20	QPSK	1_0	18700/1860	1:1	0.039	0.022	0.08	22.78	23.00	1.052	0.041	0.023	22.1
Right side	20	QPSK	1_0	18700/1860	1:1	0.192	0.112	-0.14	22.78	23.00	1.052	0.202	0.118	22.1
Bottom side	20	QPSK	1_0	18700/1860	1:1	0.209	0.112	0.04	22.78	23.00	1.052	0.220	0.118	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50_50	18900/1880	1:1	0.146	0.085	-0.06	21.69	22.00	1.074	0.157	0.092	22.1
Back side	20	QPSK	50_50	18900/1880	1:1	0.162	0.099	-0.02	21.69	22.00	1.074	0.174	0.106	22.1
Left side	20	QPSK	50_50	18900/1880	1:1	0.037	0.020	-0.03	21.69	22.00	1.074	0.040	0.022	22.1
Right side	20	QPSK	50_50	18900/1880	1:1	0.176	0.102	-0.11	21.69	22.00	1.074	0.189	0.110	22.1
Bottom side	20	QPSK	50_50	18900/1880	1:1	0.186	0.099	0.09	21.69	22.00	1.074	0.200	0.106	22.1
Body Test Data at the worst case with Battery 2#														
Bottom side	20	QPSK	1_0	18700/1860	1:1	0.201	0.108	0.11	22.78	23.00	1.052	0.211	0.114	22.1

Table 30: SAR of LTE Band 2 for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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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8.4.2 SAR Result of LTE Band 4

Ant 2 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 50	20175/1732.5	1:1	0.338	0.169	0.02	15.28	16.00	1.180	0.399	0.199	22.1
Left tilted	20	QPSK	1 50	20175/1732.5	1:1	0.525	0.260	0.17	15.28	16.00	1.180	0.620	0.307	22.1
Right cheek	20	QPSK	1 50	20175/1732.5	1:1	0.452	0.210	0.16	15.28	16.00	1.180	0.534	0.248	22.1
Right tilted	20	QPSK	1 50	20175/1732.5	1:1	0.692	0.321	0.08	15.28	16.00	1.180	0.817	0.379	22.1
Right tilted	20	QPSK	1 0	20050/1720	1:1	0.712	0.334	-0.07	15.28	16.00	1.180	0.840	0.394	22.1
Right tilted	20	QPSK	1 50	20300/1745	1:1	0.584	0.251	0.04	15.15	16.00	1.216	0.710	0.305	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 25	20050/1720	1:1	0.336	0.169	0.11	15.34	16.00	1.164	0.391	0.197	22.1
Left tilted	20	QPSK	50 25	20050/1720	1:1	0.529	0.261	0.08	15.34	16.00	1.164	0.616	0.304	22.1
Right cheek	20	QPSK	50 25	20050/1720	1:1	0.458	0.213	0.19	15.34	16.00	1.164	0.533	0.248	22.1
Right tilted	20	QPSK	50 25	20050/1720	1:1	0.692	0.320	0.02	15.34	16.00	1.164	0.806	0.373	22.1
Right tilted	20	QPSK	50 50	20175/1732.5	1:1	0.593	0.255	0.19	15.25	16.00	1.189	0.705	0.303	22.1
Right tilted	20	QPSK	50 25	20300/1745	1:1	0.594	0.256	0.07	15.21	16.00	1.199	0.713	0.307	22.1
Head Test Data(100%RB)														
Right tilted	20	QPSK	100 0	20175/1732.5	1:1	0.586	0.252	0.17	15.21	16.00	1.199	0.703	0.302	22.1
Head Test Data at the worst case with Battery 2#														
Right tilted	20	QPSK	1 0	20050/1720	1:1	0.685	0.322	-0.09	15.28	16.00	1.180	0.809	0.380	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1 0	20050/1720	1:1	0.133	0.078	-0.03	18.80	19.20	1.096	0.146	0.086	22.1
Back side	20	QPSK	1 0	20050/1720	1:1	0.176	0.103	0.00	18.80	19.20	1.096	0.193	0.113	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50 0	20050/1720	1:1	0.137	0.080	0.12	18.69	19.20	1.125	0.154	0.090	22.1
Back side	20	QPSK	50 0	20050/1720	1:1	0.182	0.107	0.16	18.69	19.20	1.125	0.205	0.120	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	50 0	20050/1720	1:1	0.175	0.103	0.14	18.69	19.20	1.125	0.197	0.116	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1 0	20050/1720	1:1	0.245	0.139	0.05	18.80	19.20	1.096	0.269	0.152	22.1
Back side	20	QPSK	1 0	20050/1720	1:1	0.381	0.213	0.06	18.80	19.20	1.096	0.418	0.234	22.1
Left side	20	QPSK	1 0	20050/1720	1:1	0.054	0.032	0.02	18.80	19.20	1.096	0.059	0.035	22.1
Top side	20	QPSK	1 0	20050/1720	1:1	0.434	0.232	-0.07	18.80	19.20	1.096	0.476	0.254	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50 0	20050/1720	1:1	0.258	0.145	0.05	18.69	19.20	1.125	0.290	0.163	22.1
Back side	20	QPSK	50 0	20050/1720	1:1	0.403	0.225	0.02	18.69	19.20	1.125	0.453	0.253	22.1
Left side	20	QPSK	50 0	20050/1720	1:1	0.054	0.032	-0.01	18.69	19.20	1.125	0.061	0.036	22.1
Top side	20	QPSK	50 0	20050/1720	1:1	0.453	0.241	-0.04	18.69	19.20	1.125	0.509	0.271	22.1
Body Test Data at the worst case with Battery 2#														
Top side	20	QPSK	50 0	20050/1720	1:1	0.436	0.232	0.01	18.69	19.20	1.125	0.490	0.261	22.1
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left tilted	20	QPSK	1 50	20175/1732.5	1:1	0.343	0.168	-0.13	13.46	14.20	1.186	0.407	0.199	22.1
Head Test Data(50%RB)														
Left tilted	20	QPSK	50 25	20050/1720	1:1	0.348	0.170	0.14	13.57	14.20	1.156	0.402	0.197	22.1

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Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left tilted	20	QPSK	1_50	20175/1732.5	1:1	0.433	0.212	-0.09	14.51	15.20	1.172	0.508	0.249	22.1
Head Test Data(50%RB)														
Left tilted	20	QPSK	50_25	20050/1720	1:1	0.437	0.210	0.07	14.58	15.20	1.153	0.504	0.242	22.1
Ant 3 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1_0	20175/1732.5	1:1	0.026	0.018	0.01	23.02	23.20	1.042	0.027	0.019	22.1
Left tilted	20	QPSK	1_0	20175/1732.5	1:1	0.032	0.020	-0.13	23.02	23.20	1.042	0.033	0.021	22.1
Right cheek	20	QPSK	1_0	20175/1732.5	1:1	0.197	0.133	0.08	23.02	23.20	1.042	0.205	0.139	22.1
Right tilted	20	QPSK	1_0	20175/1732.5	1:1	0.139	0.086	0.02	23.02	23.20	1.042	0.145	0.090	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50_0	20050/1720	1:1	0.018	0.012	0.02	21.93	22.20	1.064	0.019	0.012	22.1
Left tilted	20	QPSK	50_0	20050/1720	1:1	0.024	0.015	0.07	21.93	22.20	1.064	0.026	0.016	22.1
Right cheek	20	QPSK	50_0	20050/1720	1:1	0.045	0.030	0.01	21.93	22.20	1.064	0.048	0.031	22.1
Right tilted	20	QPSK	50_0	20050/1720	1:1	0.031	0.019	0.04	21.93	22.20	1.064	0.032	0.020	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	20	QPSK	1_0	20175/1732.5	1:1	0.194	0.130	0.02	23.02	23.20	1.042	0.202	0.136	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1_0	20175/1732.5	1:1	0.069	0.040	-0.04	23.02	23.20	1.042	0.072	0.042	22.1
Back side	20	QPSK	1_0	20175/1732.5	1:1	0.160	0.108	0.07	23.02	23.20	1.042	0.167	0.113	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50_0	20050/1720	1:1	0.059	0.034	-0.08	21.93	22.20	1.064	0.063	0.036	22.1
Back side	20	QPSK	50_0	20050/1720	1:1	0.129	0.082	0.09	21.93	22.20	1.064	0.137	0.087	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	1_0	20175/1732.5	1:1	0.157	0.106	0.01	23.02	23.20	1.042	0.164	0.110	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1_0	20175/1732.5	1:1	0.251	0.155	-0.06	23.02	23.20	1.042	0.262	0.162	22.1
Back side	20	QPSK	1_0	20175/1732.5	1:1	0.222	0.141	0.06	23.02	23.20	1.042	0.231	0.147	22.1
Left side	20	QPSK	1_0	20175/1732.5	1:1	0.015	0.009	0.18	23.02	23.20	1.042	0.015	0.009	22.1
Right side	20	QPSK	1_0	20175/1732.5	1:1	0.075	0.046	0.02	23.02	23.20	1.042	0.078	0.048	22.1
Bottom side	20	QPSK	1_0	20175/1732.5	1:1	0.282	0.152	-0.08	23.02	23.20	1.042	0.294	0.158	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50_0	20050/1720	1:1	0.199	0.124	0.03	21.93	22.20	1.064	0.212	0.132	22.1
Back side	20	QPSK	50_0	20050/1720	1:1	0.180	0.114	0.06	21.93	22.20	1.064	0.192	0.121	22.1
Left side	20	QPSK	50_0	20050/1720	1:1	0.012	0.007	0.03	21.93	22.20	1.064	0.013	0.008	22.1
Right side	20	QPSK	50_0	20050/1720	1:1	0.058	0.035	-0.17	21.93	22.20	1.064	0.062	0.037	22.1
Bottom side	20	QPSK	50_0	20050/1720	1:1	0.231	0.124	-0.06	21.93	22.20	1.064	0.246	0.132	22.1
Body Test Data at the worst case with Battery 2#														
Bottom side	20	QPSK	1_0	20175/1732.5	1:1	0.277	0.149	-0.10	23.02	23.20	1.042	0.289	0.155	22.1

Table 31: SAR of LTE Band 4 for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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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8.4.3 SAR Result of LTE Band 5

Ant 0 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek	10	QPSK	1 0	20525/836.5	1:1	0.536	0.302	-0.03	23.14	24.30	1.306	0.700	0.394	22.1
Left tilted	10	QPSK	1 0	20525/836.5	1:1	0.114	0.076	0.19	23.14	24.30	1.306	0.149	0.100	22.1
Right cheek	10	QPSK	1 0	20525/836.5	1:1	0.685	0.347	0.17	23.14	24.30	1.306	0.895	0.453	22.1
Right cheek	10	QPSK	1 0	20450/829	1:1	0.720	0.365	0.14	22.96	24.30	1.361	0.980	0.497	22.1
Right cheek	10	QPSK	1 49	20600/844	1:1	0.724	0.367	0.14	22.86	24.30	1.393	1.009	0.511	22.1
Right tilted	10	QPSK	1 0	20525/836.5	1:1	0.136	0.091	0.07	23.14	24.30	1.306	0.178	0.119	22.1
Head Test Data(50%RB)														
Left cheek	10	QPSK	25 13	20450/829	1:1	0.470	0.265	0.15	22.65	23.30	1.161	0.546	0.308	22.1
Left tilted	10	QPSK	25 13	20450/829	1:1	0.099	0.066	0.18	22.65	23.30	1.161	0.115	0.077	22.1
Right cheek	10	QPSK	25 13	20450/829	1:1	0.681	0.343	-0.08	22.65	23.30	1.161	0.791	0.398	22.1
Right tilted	10	QPSK	25 13	20450/829	1:1	0.135	0.090	0.01	22.65	23.30	1.161	0.157	0.105	22.1
Head Test Data(100%RB)														
Right cheek	10	QPSK	50 0	20525/836.5	1:1	0.656	0.332	0.18	22.60	23.30	1.175	0.771	0.390	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	10	QPSK	1 49	20600/844	1:1	0.693	0.351	0.11	22.86	24.30	1.393	0.965	0.489	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	10	QPSK	1 25	20450/829	1:1	0.121	0.082	0.18	22.55	23.50	1.245	0.151	0.101	22.1
Back side	10	QPSK	1 25	20450/829	1:1	0.181	0.117	0.06	22.55	23.50	1.245	0.225	0.146	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	10	QPSK	25 13	20600/844	1:1	0.119	0.080	0.02	22.46	23.50	1.271	0.151	0.102	22.1
Back side	10	QPSK	25 13	20600/844	1:1	0.174	0.112	0.02	22.46	23.50	1.271	0.221	0.142	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	10	QPSK	1 25	20450/829	1:1	0.177	0.114	0.01	22.55	23.50	1.245	0.220	0.142	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	10	QPSK	1 25	20450/829	1:1	0.229	0.149	0.12	22.55	23.50	1.245	0.285	0.185	22.1
Back side	10	QPSK	1 25	20450/829	1:1	0.332	0.203	0.01	22.55	23.50	1.245	0.413	0.253	22.1
Left side	10	QPSK	1 25	20450/829	1:1	0.447	0.247	0.07	22.55	23.50	1.245	0.556	0.307	
Top side	10	QPSK	1 25	20450/829	1:1	0.014	0.010	0.18	22.55	23.50	1.245	0.018	0.012	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	10	QPSK	25 13	20600/844	1:1	0.228	0.148	0.07	22.46	23.50	1.271	0.290	0.188	22.1
Back side	10	QPSK	25 13	20600/844	1:1	0.321	0.195	-0.01	22.46	23.50	1.271	0.408	0.248	22.1
Left side	10	QPSK	25 13	20600/844	1:1	0.437	0.243	0.01	22.46	23.50	1.271	0.555	0.309	
Top side	10	QPSK	25 13	20600/844	1:1	0.017	0.012	0.04	22.46	23.50	1.271	0.022	0.015	22.1
Body Test Data at the worst case with Battery 2#														
Left side	10	QPSK	1 25	20450/829	1:1	0.438	0.241	0.07	22.55	23.50	1.245	0.545	0.300	22.1
Ant 0 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek	10	QPSK	1 49	20600/844	1:1	0.325	0.182	-0.01	20.98	22.20	1.324	0.430	0.241	22.1
Right cheek	10	QPSK	1 49	20600/844	1:1	0.446	0.226	0.03	20.98	22.20	1.324	0.591	0.299	22.1
Head Test Data(50%RB)														
Left cheek	10	QPSK	25 13	20450/829	1:1	0.351	0.201	0.11	21.11	22.20	1.285	0.451	0.258	22.1
Right cheek	10	QPSK	25 13	20450/829	1:1	0.529	0.266	0.05	21.11	22.20	1.285	0.680	0.342	22.1

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Ant 1 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek	10	QPSK	1 25	20450/829	1:1	0.159	0.126	0.06	24.10	25.00	1.230	0.196	0.155	22.1
Left tilted	10	QPSK	1 25	20450/829	1:1	0.096	0.068	0.03	24.10	25.00	1.230	0.118	0.084	22.1
Right cheek	10	QPSK	1 25	20450/829	1:1	0.228	0.173	-0.07	24.10	25.00	1.230	0.281	0.213	22.1
Right tilted	10	QPSK	1 25	20450/829	1:1	0.125	0.098	0.04	24.10	25.00	1.230	0.154	0.121	22.1
Head Test Data(50%RB)														
Left cheek	10	QPSK	25 25	20450/829	1:1	0.128	0.090	0.08	23.16	24.00	1.213	0.155	0.109	22.1
Left tilted	10	QPSK	25 25	20450/829	1:1	0.080	0.057	0.04	23.16	24.00	1.213	0.097	0.069	22.1
Right cheek	10	QPSK	25 25	20450/829	1:1	0.191	0.145	0.07	23.16	24.00	1.213	0.232	0.176	22.1
Right tilted	10	QPSK	25 25	20450/829	1:1	0.100	0.079	0.01	23.16	24.00	1.213	0.121	0.096	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	10	QPSK	1 25	20450/829	1:1	0.218	0.165	-0.14	24.10	25.00	1.230	0.268	0.203	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	10	QPSK	1 25	20450/829	1:1	0.201	0.154	-0.06	22.76	23.80	1.271	0.255	0.196	22.1
Back side	10	QPSK	1 25	20450/829	1:1	0.209	0.129	0.11	22.76	23.80	1.271	0.266	0.164	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	10	QPSK	25 25	20450/829	1:1	0.162	0.124	0.02	22.93	23.80	1.222	0.198	0.152	22.1
Back side	10	QPSK	25 25	20450/829	1:1	0.171	0.105	0.10	22.93	23.80	1.222	0.209	0.128	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	10	QPSK	1 25	20450/829	1:1	0.208	0.121	0.14	22.76	23.80	1.271	0.264	0.154	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	10	QPSK	1 25	20450/829	1:1	0.388	0.226	-0.01	22.76	23.80	1.271	0.493	0.287	22.1
Back side	10	QPSK	1 25	20450/829	1:1	0.425	0.250	0.08	22.76	23.80	1.271	0.540	0.318	22.1
Left side	10	QPSK	1 25	20450/829	1:1	0.090	0.063	0.18	22.76	23.80	1.271	0.114	0.080	22.1
Right side	10	QPSK	1 25	20450/829	1:1	0.369	0.252	0.15	22.76	23.80	1.271	0.469	0.320	22.1
Bottom side	10	QPSK	1 25	20450/829	1:1	0.356	0.204	0.08	22.76	23.80	1.271	0.452	0.259	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	10	QPSK	25 25	20450/829	1:1	0.309	0.201	-0.04	22.93	23.80	1.222	0.378	0.246	22.1
Back side	10	QPSK	25 25	20450/829	1:1	0.352	0.235	0.19	22.93	23.80	1.222	0.430	0.287	22.1
Left side	10	QPSK	25 25	20450/829	1:1	0.073	0.051	-0.02	22.93	23.80	1.222	0.089	0.063	22.1
Right side	10	QPSK	25 25	20450/829	1:1	0.300	0.205	0.16	22.93	23.80	1.222	0.367	0.250	22.1
Bottom side	10	QPSK	25 25	20450/829	1:1	0.290	0.166	0.04	22.93	23.80	1.222	0.354	0.203	22.1
Body Test Data at the worst case with Battery 2#(10mm)														
Back side	10	QPSK	1 25	20450/829	1:1	0.413	0.244	0.09	22.76	23.80	1.271	0.525	0.310	22.1

Table 32: SAR of LTE Band 5 for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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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8.4.4 SAR Result of LTE Band 7

Ant 0 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 50	21100/2535	1:1	0.252	0.127	-0.08	16.45	17.20	1.189	0.300	0.151	22.1
Left tilted	20	QPSK	1 50	21100/2535	1:1	0.050	0.021	0.00	16.45	17.20	1.189	0.059	0.024	22.1
Right cheek	20	QPSK	1 50	21100/2535	1:1	0.627	0.264	0.00	16.45	17.20	1.189	0.745	0.314	22.1
Right tilted	20	QPSK	1 50	21100/2535	1:1	0.178	0.080	0.15	16.45	17.20	1.189	0.212	0.095	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 25	21100/2535	1:1	0.255	0.128	-0.01	16.57	17.20	1.156	0.295	0.148	22.1
Left tilted	20	QPSK	50 25	21100/2535	1:1	0.052	0.022	0.01	16.57	17.20	1.156	0.060	0.025	22.1
Right cheek	20	QPSK	50 25	21100/2535	1:1	0.642	0.269	0.00	16.57	17.20	1.156	0.742	0.311	22.1
Right tilted	20	QPSK	50 25	21100/2535	1:1	0.180	0.083	-0.04	16.57	17.20	1.156	0.208	0.095	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	20	QPSK	1 50	21100/2535	1:1	0.635	0.266	0.00	16.45	17.20	1.189	0.755	0.316	22.1
Right cheek	20	QPSK	PCC 1 0 SCC 0 0	21100/2535 21298/2554.8	1:1	0.626	0.263	-0.03	16.42	17.20	1.197	0.749	0.315	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1 50	21100/2535	1:1	0.144	0.075	-0.07	21.44	22.10	1.164	0.168	0.087	22.1
Back side	20	QPSK	1 50	21100/2535	1:1	0.359	0.178	-0.13	21.44	22.10	1.164	0.418	0.207	22.1
Back side	20	QPSK	PCC 1 0 SCC 0 0	21100/2535 21298/2554.8	1:1	0.352	0.174	-0.02	21.43	22.10	1.167	0.411	0.203	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50 25	21350/2560	1:1	0.141	0.073	-0.05	21.39	22.10	1.178	0.166	0.086	22.1
Back side	20	QPSK	50 25	21350/2560	1:1	0.326	0.159	-0.08	21.39	22.10	1.178	0.384	0.187	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	1 50	21100/2535	1:1	0.356	0.176	-0.03	21.44	22.10	1.164	0.414	0.205	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1 50	21100/2535	1:1	0.282	0.141	0.03	21.44	22.10	1.164	0.328	0.164	22.1
Back side	20	QPSK	1 50	21100/2535	1:1	0.661	0.301	-0.04	21.44	22.10	1.164	0.769	0.350	22.1
Left side	20	QPSK	1 50	21100/2535	1:1	0.696	0.300	-0.02	21.44	22.10	1.164	0.810	0.349	22.1
Left side	20	QPSK	1 50	20850/2510	1:1	0.720	0.313	0.07	21.40	22.10	1.175	0.846	0.368	22.1
Left side	20	QPSK	PCC 1 0 SCC 0 0	20850/2510 21048/2529.8	1:1	0.708	0.308	-0.01	21.35	22.10	1.188	0.841	0.366	22.1
Left side	20	QPSK	1 99	21350/2560	1:1	0.621	0.263	-0.01	21.43	22.10	1.167	0.725	0.307	22.1
Top side	20	QPSK	1 50	21100/2535	1:1	0.056	0.029	-0.08	21.44	22.10	1.164	0.065	0.034	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50 25	21350/2560	1:1	0.280	0.139	-0.03	21.39	22.10	1.178	0.330	0.164	22.1
Back side	20	QPSK	50 25	21350/2560	1:1	0.607	0.274	-0.03	21.39	22.10	1.178	0.715	0.323	22.1
Left side	20	QPSK	50 25	21350/2560	1:1	0.652	0.276	0.06	21.39	22.10	1.178	0.768	0.325	22.1
Top side	20	QPSK	50 25	21350/2560	1:1	0.056	0.029	0.03	21.39	22.10	1.178	0.066	0.035	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Left side	20	QPSK	100 0	21350/2560	1:1	0.647	0.275	0.06	21.36	22.10	1.186	0.767	0.326	22.1
Body Test Data at the worst case with Battery 2#														
Left side	20	QPSK	1 50	20850/2510	1:1	0.712	0.310	0.17	21.40	22.10	1.175	0.837	0.364	22.1
Ant 0 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/WWAN+WLAN 5G+BT Receiver off)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size_ RB offset											
Hotspot Test data(Separate 10mm 1RB)														
Back side	20	QPSK	1 50	21100/2535	1:1	0.417	0.190	-0.06	19.41	20.10	1.172	0.489	0.223	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Back side	20	QPSK	50 25	21350/2560	1:1	0.383	0.173	0.11	19.47	20.10	1.156	0.443	0.200	22.1

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Ant 2 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 50	21350/2560	1:1	0.518	0.239	-0.02	14.15	15.00	1.216	0.630	0.291	22.1
Left tilted	20	QPSK	1 50	21350/2560	1:1	0.697	0.306	0.08	14.15	15.00	1.216	0.848	0.372	22.1
Left tilted	20	QPSK	1 99	20850/2510	1:1	0.687	0.301	0.07	14.03	15.00	1.250	0.859	0.376	22.1
Left tilted	20	QPSK	1 99	21100/2535	1:1	0.694	0.304	0.11	14.15	15.00	1.216	0.844	0.370	22.1
Right cheek	20	QPSK	1 50	21350/2560	1:1	0.824	0.330	0.06	14.15	15.00	1.216	1.002	0.401	22.1
Right cheek	20	QPSK	1 99	20850/2510	1:1	0.778	0.317	-0.08	14.03	15.00	1.250	0.973	0.396	22.1
Right cheek	20	QPSK	1 99	21100/2535	1:1	0.849	0.342	0.03	14.15	15.00	1.216	1.033	0.416	22.1
Right tilted	20	QPSK	1 50	21350/2560	1:1	0.841	0.339	0.05	14.15	15.00	1.216	1.023	0.412	22.1
Right tilted	20	QPSK	1 99	20850/2510	1:1	0.754	0.305	0.02	14.03	15.00	1.250	0.943	0.381	22.1
Right tilted	20	QPSK	1 99	21100/2535	1:1	0.866	0.343	0.07	14.15	15.00	1.216	1.053	0.417	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 50	21350/2560	1:1	0.549	0.252	-0.04	14.07	15.00	1.239	0.680	0.312	22.1
Left tilted	20	QPSK	50 50	21350/2560	1:1	0.737	0.324	0.03	14.07	15.00	1.239	0.913	0.401	22.1
Left tilted	20	QPSK	50 25	20850/2510	1:1	0.592	0.275	-0.03	14.06	15.00	1.242	0.735	0.341	22.1
Left tilted	20	QPSK	50 25	21100/2535	1:1	0.686	0.295	-0.05	14.02	15.00	1.253	0.860	0.370	22.1
Right cheek	20	QPSK	50 50	21350/2560	1:1	0.687	0.284	0.01	14.07	15.00	1.239	0.851	0.352	22.1
Right cheek	20	QPSK	50 25	20850/2510	1:1	0.677	0.279	0.03	14.06	15.00	1.242	0.841	0.346	22.1
Right cheek	20	QPSK	50 25	21100/2535	1:1	0.691	0.285	0.07	14.02	15.00	1.253	0.866	0.357	22.1
Right tilted	20	QPSK	50 50	21350/2560	1:1	0.843	0.343	0.10	14.07	15.00	1.239	1.044	0.425	22.1
Right tilted	20	QPSK	50 25	20850/2510	1:1	0.872	0.344	-0.08	14.06	15.00	1.242	1.083	0.427	22.1
Right tilted	20	QPSK	50 25	21100/2535	1:1	0.888	0.356	-0.02	14.02	15.00	1.253	1.113	0.446	22.1
Right tilted-Repeat	20	QPSK	50_25	21100/2535	1:1	0.883	0.354	-0.02	14.02	15.00	1.253	1.107	0.444	22.1
Right tilted	20	QPSK	PCC 1_0 SCC 0_0	21100/2535 21298/2554.8	1:1	0.865	0.347	-0.03	13.96	15.00	1.271	1.099	0.441	22.1
Head Test Data(100%RB)														
Left tilted	20	QPSK	100 0	21350/2560	1:1	0.601	0.279	0.14	14.15	15.00	1.216	0.731	0.339	22.1
Right cheek	20	QPSK	100 0	21350/2560	1:1	0.670	0.278	0.06	14.15	15.00	1.216	0.815	0.338	22.1
Right tilted	20	QPSK	100 0	21350/2560	1:1	0.835	0.340	0.05	14.15	15.00	1.216	1.016	0.414	22.1
Head Test Data at the worst case with Battery 2#														
Right tilted	20	QPSK	50 25	21100/2535	1:1	0.879	0.353	-0.02	14.02	15.00	1.253	1.102	0.442	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1 0	21100/2535	1:1	0.187	0.101	-0.01	19.25	19.80	1.135	0.212	0.115	22.1
Back side	20	QPSK	1 0	21100/2535	1:1	0.210	0.112	-0.06	19.25	19.80	1.135	0.238	0.127	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50 0	20850/2510	1:1	0.199	0.107	-0.07	19.36	19.80	1.107	0.220	0.118	22.1
Back side	20	QPSK	50 0	20850/2510	1:1	0.223	0.121	-0.06	19.36	19.80	1.107	0.247	0.134	22.1
Back side	20	QPSK	PCC 1_0 SCC 0_0	20850/2510 21048/2529.8	1:1	0.219	0.119	-0.04	19.32	19.80	1.117	0.245	0.133	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	50 0	20850/2510	1:1	0.221	0.120	-0.07	19.36	19.80	1.107	0.245	0.133	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1 0	21100/2535	1:1	0.381	0.206	0.08	19.25	19.80	1.135	0.432	0.234	22.1
Back side	20	QPSK	1 0	21100/2535	1:1	0.438	0.224	-0.03	19.25	19.80	1.135	0.497	0.254	22.1
Left side	20	QPSK	1 0	21100/2535	1:1	0.076	0.033	-0.02	19.25	19.80	1.135	0.086	0.037	22.1
Top side	20	QPSK	1 0	21100/2535	1:1	0.764	0.349	0.07	19.25	19.80	1.135	0.867	0.396	22.1
Top side	20	QPSK	1 0	20850/2510	1:1	0.684	0.334	0.05	19.25	19.80	1.135	0.776	0.379	22.1
Top side	20	QPSK	1 0	21350/2560	1:1	0.900	0.413	0.05	19.15	19.80	1.161	1.045	0.480	22.1
Top side-Repeat	20	QPSK	1_0	21350/2560	1:1	0.890	0.410	-0.09	19.15	19.80	1.161	1.034	0.476	22.1
Top side	20	QPSK	PCC 1_0 SCC 0_0	21350/2560 21152/2540.2	1:1	0.886	0.406	0.01	19.12	19.80	1.169	1.036	0.475	22.1

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Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50 0	20850/2510	1:1	0.401	0.216	-0.01	19.36	19.80	1.107	0.444	0.239	22.1
Back side	20	QPSK	50 0	20850/2510	1:1	0.407	0.218	0.08	19.36	19.80	1.107	0.450	0.241	22.1
Left side	20	QPSK	50 0	20850/2510	1:1	0.036	0.012	0.00	19.36	19.80	1.107	0.040	0.013	22.1
Top side	20	QPSK	50 0	20850/2510	1:1	0.622	0.309	-0.04	19.36	19.80	1.107	0.688	0.342	22.1
Hotspot Test data(Separate 10mm 100%RB)														
Top side	20	QPSK	100 0	20850/2510	1:1	0.597	0.293	-0.16	19.31	19.80	1.119	0.668	0.328	22.1
Body Test Data at the worst case with Battery 2#														
Top side	20	QPSK	1 0	21350/2560	1:1	0.891	0.409	0.06	19.15	19.80	1.161	1.035	0.475	22.1
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW.	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 50	21350/2560	1:1	0.411	0.190	-0.03	13.22	14.00	1.197	0.492	0.227	22.1
Left tilted	20	QPSK	1 50	21350/2560	1:1	0.514	0.213	0.04	13.22	14.00	1.197	0.615	0.255	22.1
Right cheek	20	QPSK	1 50	21350/2560	1:1	0.655	0.262	0.11	13.22	14.00	1.197	0.784	0.314	22.1
Right tilted	20	QPSK	1 50	21350/2560	1:1	0.668	0.269	0.12	13.22	14.00	1.197	0.799	0.322	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 50	21350/2560	1:1	0.436	0.200	-0.02	13.15	14.00	1.216	0.530	0.243	22.1
Left tilted	20	QPSK	50 50	21350/2560	1:1	0.512	0.211	0.09	13.15	14.00	1.216	0.623	0.257	22.1
Right cheek	20	QPSK	50 50	21350/2560	1:1	0.546	0.226	0.11	13.15	14.00	1.216	0.664	0.275	22.1
Right tilted	20	QPSK	50 50	21350/2560	1:1	0.670	0.272	0.07	13.15	14.00	1.216	0.815	0.331	22.1
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/WWAN+WLAN 5G+BT Receiver off)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW.	Modulation	RB Size_ RB offset											
Hotspot Test data(Separate 10mm 1RB)														
Top side	20	QPSK	1 0	21350/2560	1:1	0.555	0.255	-0.02	17.15	17.70	1.135	0.630	0.289	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Top side	20	QPSK	50 0	20850/2510	1:1	0.384	0.191	-0.13	17.29	17.70	1.099	0.422	0.210	22.1
Ant 3 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW.	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 99	20850/2510	1:1	0.279	0.151	0.02	23.02	23.70	1.169	0.326	0.177	22.1
Left tilted	20	QPSK	1 99	20850/2510	1:1	0.175	0.090	0.00	23.02	23.70	1.169	0.205	0.105	22.1
Right cheek	20	QPSK	1 99	20850/2510	1:1	0.549	0.294	0.01	23.02	23.70	1.169	0.642	0.344	22.1
Right cheek	20	QPSK	PCC 1 0 SCC 0 0	20850/2510 21048/2529.8	1:1	0.537	0.288	-0.02	22.98	23.70	1.180	0.634	0.340	22.1
Right tilted	20	QPSK	1 99	20850/2510	1:1	0.170	0.082	-0.03	23.02	23.70	1.169	0.199	0.095	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 50	21100/2535	1:1	0.241	0.130	0.04	22.05	22.70	1.161	0.280	0.151	22.1
Left tilted	20	QPSK	50 50	21100/2535	1:1	0.143	0.074	0.12	22.05	22.70	1.161	0.166	0.086	22.1
Right cheek	20	QPSK	50 50	21100/2535	1:1	0.493	0.256	0.01	22.05	22.70	1.161	0.573	0.297	22.1
Right tilted	20	QPSK	50 50	21100/2535	1:1	0.149	0.068	0.05	22.05	22.70	1.161	0.173	0.079	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	20	QPSK	1 99	20850/2510	1:1	0.542	0.291	-0.01	23.02	23.70	1.169	0.634	0.340	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1 99	20850/2510	1:1	0.274	0.150	0.00	22.15	23.00	1.216	0.333	0.182	22.1
Back side	20	QPSK	1 99	20850/2510	1:1	0.270	0.144	-0.06	22.15	23.00	1.216	0.328	0.175	22.1

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Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50 50	21100/2535	1:1	0.272	0.147	-0.04	22.01	23.00	1.256	0.342	0.185	22.1
Back side	20	QPSK	50 50	21100/2535	1:1	0.315	0.170	0.03	22.01	23.00	1.256	0.396	0.214	22.1
Back side	20	QPSK	PCC 1 0	21100/2535	1:1	0.301	0.162	-0.13	21.96	23.00	1.271	0.382	0.206	22.1
			SCC 0 0	21298/2554.8										
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	50 50	21100/2535	1:1	0.312	0.168	0.09	22.01	23.00	1.256	0.392	0.211	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1 99	20850/2510	1:1	0.460	0.252	-0.13	22.15	23.00	1.216	0.559	0.306	22.1
Back side	20	QPSK	1 99	20850/2510	1:1	0.511	0.257	0.04	22.15	23.00	1.216	0.621	0.313	22.1
Left side	20	QPSK	1 99	20850/2510	1:1	0.022	0.010	-0.04	22.15	23.00	1.216	0.027	0.012	22.1
Right side	20	QPSK	1 99	20850/2510	1:1	0.900	0.421	0.14	22.15	23.00	1.216	1.095	0.512	22.1
Right side	20	QPSK	1 50	21100/2535	1:1	0.918	0.431	0.01	22.13	23.00	1.222	1.122	0.527	22.1
Right side	20	QPSK	PCC 1 0 SCC 0 0	21100/2535 21298/2554.8	1:1	0.879	0.410	-0.13	21.96	23.00	1.271	1.117	0.521	22.1
Right side-Repeat	20	QPSK	1_50	21100/2535	1:1	0.906	0.426	0.03	22.13	23.00	1.222	1.107	0.520	22.1
Right side	20	QPSK	1 0	21350/2560	1:1	0.918	0.427	0.04	22.14	23.00	1.219	1.119	0.521	22.1
Bottom side	20	QPSK	1 99	20850/2510	1:1	0.248	0.120	0.05	22.15	23.00	1.216	0.302	0.146	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50 50	21100/2535	1:1	0.438	0.241	-0.03	22.01	23.00	1.256	0.550	0.303	22.1
Back side	20	QPSK	50 50	21100/2535	1:1	0.487	0.243	-0.05	22.01	23.00	1.256	0.612	0.305	22.1
Left side	20	QPSK	50 50	21100/2535	1:1	0.026	0.012	-0.09	22.01	23.00	1.256	0.032	0.015	22.1
Right side	20	QPSK	50 50	21100/2535	1:1	0.889	0.414	-0.05	22.01	23.00	1.256	1.117	0.520	22.1
Right side	20	QPSK	50 50	20850/2510	1:1	0.858	0.404	-0.05	21.85	23.00	1.303	1.118	0.526	22.1
Right side	20	QPSK	50 50	21350/2560	1:1	0.866	0.401	-0.19	21.90	23.00	1.288	1.116	0.517	22.1
Bottom side	20	QPSK	50 50	21100/2535	1:1	0.241	0.115	-0.03	21.90	23.00	1.288	0.310	0.148	22.1
Hotspot Test data(Separate 10mm 100%RB)														
Right side	20	QPSK	100 0	21350/2560	1:1	0.855	0.397	-0.02	21.85	23.00	1.303	1.114	0.517	22.1
Body Test Data at the worst case with Battery 2#														
Right side	20	QPSK	1 50	21100/2535	1:1	0.908	0.426	0.11	22.13	23.00	1.222	1.109	0.520	22.1

Table 33: SAR of LTE Band 7 for Head, Body and Product specific 10g SAR.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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).

Test Position	Channel/ Frequency (MHz)	Measured SAR (1g)	1 st Repeated SAR (1g)	Ratio	2 nd Repeated SAR (1g)	3 rd Repeated SAR (1g)
Ant2						
Right tilted	21100/2535	0.888	0.883	1.006	N/A	N/A
Top side 10mm	21350/2560	0.900	0.890	1.011	N/A	N/A
Ant3						
Right side 10mm	21100/2535	0.918	0.906	1.013	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was preformed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).

3) A third repeated measurement was preformed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

8.4.5 SAR Result of LTE Band 12

Ant 0 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	10	QPSK	1 25	23095/707.5	1:1	0.796	0.451	0.14	23.85	24.40	1.135	0.903	0.512	22.1
Left cheek	10	QPSK	1 49	23060/704	1:1	0.620	0.350	0.01	23.65	24.40	1.189	0.737	0.416	22.1
Left cheek	10	QPSK	1 25	23130/711	1:1	0.799	0.453	0.14	23.85	24.40	1.135	0.907	0.514	22.1
Left tilted	10	QPSK	1 25	23095/707.5	1:1	0.175	0.119	0.14	23.85	24.40	1.135	0.199	0.135	22.1
Right cheek	10	QPSK	1 25	23095/707.5	1:1	0.752	0.396	0.15	23.85	24.40	1.135	0.854	0.449	22.1
Right cheek	10	QPSK	1 49	23060/704	1:1	0.583	0.281	0.07	23.65	24.40	1.189	0.693	0.334	22.1
Right cheek	10	QPSK	1 25	23130/711	1:1	0.749	0.396	0.16	23.85	24.40	1.135	0.850	0.449	22.1
Right tilted	10	QPSK	1 25	23095/707.5	1:1	0.130	0.089	0.02	23.85	24.40	1.135	0.148	0.101	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	25 25	23060/704	1:1	0.506	0.284	0.02	22.87	23.40	1.130	0.572	0.321	22.1
Left tilted	20	QPSK	25 25	23060/704	1:1	0.088	0.060	0.04	22.87	23.40	1.130	0.099	0.068	22.1
Right cheek	20	QPSK	25 25	23060/704	1:1	0.492	0.237	0.02	22.87	23.40	1.130	0.556	0.268	22.1
Right tilted	20	QPSK	25 25	23060/704	1:1	0.118	0.071	0.02	22.87	23.40	1.130	0.133	0.080	22.1
Head Test Data(100%RB)														
Left cheek	20	QPSK	50 0	23060/704	1:1	0.556	0.312	0.14	22.77	23.40	1.156	0.643	0.361	22.1
Right cheek	20	QPSK	50 0	23060/704	1:1	0.474	0.248	0.05	22.77	23.40	1.156	0.548	0.287	22.1
Head Test Data at the worst case with Battery 2#														
Left cheek	10	QPSK	1 25	23130/711	1:1	0.717	0.417	0.03	23.85	24.40	1.135	0.814	0.473	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	10	QPSK	1 0	23130/711	1:1	0.180	0.121	0.02	22.92	23.30	1.091	0.196	0.132	22.1
Back side	10	QPSK	1 0	23130/711	1:1	0.224	0.147	-0.01	22.92	23.30	1.091	0.244	0.160	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	25 13	23060/704	1:1	0.153	0.102	0.03	22.76	23.30	1.132	0.173	0.116	22.1
Back side	20	QPSK	25 13	23060/704	1:1	0.192	0.126	-0.04	22.76	23.30	1.132	0.217	0.143	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	10	QPSK	1 0	23130/711	1:1	0.219	0.144	-0.07	22.92	23.30	1.091	0.239	0.157	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	10	QPSK	1 0	23130/711	1:1	0.279	0.186	0.07	22.92	23.30	1.091	0.305	0.203	22.1
Back side	10	QPSK	1 0	23130/711	1:1	0.380	0.253	-0.07	22.92	23.30	1.091	0.415	0.276	22.1
Left side	10	QPSK	1 0	23130/711	1:1	0.629	0.362	0.15	22.92	23.30	1.091	0.687	0.395	22.1
Top side	10	QPSK	1 0	23130/711	1:1	0.012	0.008	0.06	22.92	23.30	1.091	0.013	0.009	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	25 13	23060/704	1:1	0.241	0.160	0.04	22.76	23.30	1.132	0.273	0.181	22.1
Back side	20	QPSK	25 13	23060/704	1:1	0.334	0.221	0.04	22.76	23.30	1.132	0.378	0.250	22.1
Left side	20	QPSK	25 13	23060/704	1:1	0.550	0.315	-0.04	22.76	23.30	1.132	0.623	0.357	22.1
Top side	20	QPSK	25 13	23060/704	1:1	0.011	0.008	0.08	22.76	23.30	1.132	0.012	0.008	22.1
Body Test Data at the worst case with Battery 2#														
Left side	10	QPSK	1 0	23130/711	1:1	0.615	0.354	0.14	22.92	23.30	1.091	0.671	0.386	22.1
Ant 0 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	10	QPSK	1 25	23095/707.5	1:1	0.413	0.223	-0.09	21.65	22.10	1.109	0.458	0.247	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	25 25	23060/704	1:1	0.371	0.206	0.10	21.64	22.10	1.112	0.412	0.229	22.1

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Ant 1 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	10	QPSK	1 0	23130/711	1:1	0.168	0.132	0.09	23.93	24.80	1.222	0.205	0.161	22.1
Left tilted	10	QPSK	1 0	23130/711	1:1	0.125	0.100	0.01	23.93	24.80	1.222	0.153	0.122	22.1
Right cheek	10	QPSK	1 0	23130/711	1:1	0.178	0.146	0.08	23.93	24.80	1.222	0.217	0.178	22.1
Right tilted	10	QPSK	1 0	23130/711	1:1	0.091	0.065	0.15	23.93	24.80	1.222	0.111	0.079	22.1
Head Test Data(50%RB)														
Left cheek	10	QPSK	25 25	23130/711	1:1	0.129	0.102	0.03	23.08	23.80	1.180	0.152	0.120	22.1
Left tilted	10	QPSK	25 25	23130/711	1:1	0.096	0.076	0.14	23.08	23.80	1.180	0.113	0.089	22.1
Right cheek	10	QPSK	25 25	23130/711	1:1	0.137	0.113	0.04	23.08	23.80	1.180	0.162	0.133	22.1
Right tilted	10	QPSK	25 25	23130/711	1:1	0.085	0.061	0.16	23.08	23.80	1.180	0.101	0.072	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	10	QPSK	1 0	23130/711	1:1	0.173	0.142	0.05	23.93	24.80	1.222	0.211	0.173	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	10	QPSK	1 0	23130/711	1:1	0.229	0.180	0.01	23.93	24.80	1.222	0.280	0.220	22.1
Back side	10	QPSK	1 0	23130/711	1:1	0.273	0.214	0.02	23.93	24.80	1.222	0.334	0.261	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	25 25	23130/711	1:1	0.182	0.143	0.04	23.08	23.80	1.180	0.215	0.169	22.1
Back side	20	QPSK	25 25	23130/711	1:1	0.218	0.170	0.03	23.08	23.80	1.180	0.257	0.201	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	10	QPSK	1 0	23130/711	1:1	0.266	0.209	0.02	23.93	24.80	1.222	0.325	0.255	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	10	QPSK	1 0	23130/711	1:1	0.333	0.192	0.08	23.93	24.80	1.222	0.407	0.235	22.1
Back side	10	QPSK	1 0	23130/711	1:1	0.390	0.232	0.04	23.93	24.80	1.222	0.477	0.283	22.1
Left side	10	QPSK	1 0	23130/711	1:1	0.169	0.119	0.15	23.93	24.80	1.222	0.206	0.145	22.1
Right side	10	QPSK	1 0	23130/711	1:1	0.517	0.366	0.01	23.93	24.80	1.222	0.632	0.447	22.1
Bottom side	10	QPSK	1 0	23130/711	1:1	0.275	0.144	0.16	23.93	24.80	1.222	0.336	0.176	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	25 25	23130/711	1:1	0.279	0.162	-0.03	23.08	23.80	1.180	0.329	0.191	22.1
Back side	20	QPSK	25 25	23130/711	1:1	0.334	0.197	0.06	23.08	23.80	1.180	0.394	0.233	22.1
Left side	20	QPSK	25 25	23130/711	1:1	0.115	0.081	0.07	23.08	23.80	1.180	0.136	0.095	22.1
Right side	20	QPSK	25 25	23130/711	1:1	0.423	0.298	0.03	23.08	23.80	1.180	0.499	0.352	22.1
Bottom side	20	QPSK	25 25	23130/711	1:1	0.267	0.153	0.07	23.08	23.80	1.180	0.315	0.181	22.1
Body Test Data at the worst case with Battery 2#														
Right side	10	QPSK	1 0	23130/711	1:1	0.487	0.341	0.03	23.93	24.80	1.222	0.595	0.417	22.1

Table 34: SAR of LTE Band 12 for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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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8.4.6 SAR Result of LTE Band 17

Ant 0 Test Record														
Test position	Test mode			Test ch./Freq	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	10	QPSK	1_49	23790/710	1:1	0.838	0.479	0.05	23.72	24.40	1.169	0.980	0.560	22.1
Left cheek	10	QPSK	1_49	23780/709	1:1	0.854	0.483	0.17	23.67	24.40	1.183	1.010	0.571	22.1
Left cheek-Repeat	10	QPSK	1_49	23780/709	1:1	0.833	0.475	0.18	23.67	24.40	1.183	0.985	0.562	22.1
Left cheek	10	QPSK	1_0	23800/711	1:1	0.842	0.475	0.02	23.67	24.40	1.183	0.996	0.562	22.1
Left tilted	10	QPSK	1_49	23790/710	1:1	0.168	0.114	0.02	23.72	24.40	1.169	0.196	0.133	22.1
Right cheek	10	QPSK	1_49	23790/710	1:1	0.825	0.399	0.05	23.72	24.40	1.169	0.965	0.467	22.1
Right cheek	10	QPSK	1_49	23780/709	1:1	0.770	0.407	0.16	23.67	24.40	1.183	0.911	0.481	22.1
Right cheek	10	QPSK	1_0	23800/711	1:1	0.773	0.410	0.05	23.67	24.40	1.183	0.914	0.485	22.1
Right tilted	10	QPSK	1_49	23790/710	1:1	0.205	0.123	-0.03	23.72	24.40	1.169	0.240	0.144	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	25_25	23800/711	1:1	0.773	0.426	0.03	22.75	23.40	1.161	0.898	0.495	22.1
Left cheek	20	QPSK	25_25	23780/709	1:1	0.692	0.398	0.05	22.70	23.40	1.175	0.813	0.468	22.1
Left cheek	20	QPSK	25_25	23790/710	1:1	0.695	0.400	-0.02	22.75	23.40	1.161	0.807	0.465	22.1
Left tilted	20	QPSK	25_25	23800/711	1:1	0.141	0.096	0.05	22.75	23.40	1.161	0.164	0.112	22.1
Right cheek	20	QPSK	25_25	23800/711	1:1	0.709	0.340	0.05	22.75	23.40	1.161	0.823	0.395	22.1
Right cheek	20	QPSK	25_25	23780/709	1:1	0.652	0.342	0.01	22.70	23.40	1.175	0.766	0.402	22.1
Right cheek	20	QPSK	25_25	23790/710	1:1	0.648	0.340	0.02	22.75	23.40	1.161	0.753	0.395	22.1
Right tilted	20	QPSK	25_25	23800/711	1:1	0.171	0.103	0.01	22.75	23.40	1.161	0.199	0.120	22.1
Head Test Data(100%RB)														
Left cheek	20	QPSK	50_0	23780/709	1:1	0.721	0.407	-0.04	22.75	23.40	1.161	0.837	0.473	22.1
Right cheek	20	QPSK	50_0	23780/709	1:1	0.655	0.341	-0.03	22.75	23.40	1.161	0.761	0.396	22.1
Head Test Data at the worst case with Battery 2#														
Left cheek	10	QPSK	1_0	23800/711	1:1	0.822	0.464	0.03	23.67	24.40	1.183	0.972	0.549	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	10	QPSK	1_0	23800/711	1:1	0.167	0.111	0.07	22.54	23.30	1.191	0.199	0.132	22.1
Back side	10	QPSK	1_0	23800/711	1:1	0.207	0.135	-0.02	22.54	23.30	1.191	0.247	0.161	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	25_25	23800/711	1:1	0.181	0.121	0.02	22.54	23.30	1.191	0.216	0.144	22.1
Back side	20	QPSK	25_25	23800/711	1:1	0.224	0.146	0.06	22.54	23.30	1.191	0.267	0.174	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	25_25	23800/711	1:1	0.219	0.143	0.09	22.54	23.30	1.191	0.261	0.170	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	10	QPSK	1_0	23800/711	1:1	0.255	0.170	-0.03	22.54	23.30	1.191	0.304	0.203	22.1
Back side	10	QPSK	1_0	23800/711	1:1	0.352	0.233	-0.02	22.54	23.30	1.191	0.419	0.278	22.1
Left side	10	QPSK	1_0	23800/711	1:1	0.578	0.333	-0.18	22.54	23.30	1.191	0.689	0.397	22.1
Top side	10	QPSK	1_0	23800/711	1:1	0.011	0.007	-0.09	22.54	23.30	1.191	0.013	0.009	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	25_25	23800/711	1:1	0.280	0.186	0.04	22.54	23.30	1.191	0.334	0.222	22.1
Back side	20	QPSK	25_25	23800/711	1:1	0.383	0.254	0.04	22.54	23.30	1.191	0.456	0.303	22.1
Left side	20	QPSK	25_25	23800/711	1:1	0.617	0.351	0.09	22.54	23.30	1.191	0.735	0.418	22.1
Top side	20	QPSK	25_25	23800/711	1:1	0.012	0.008	0.13	22.54	23.30	1.191	0.014	0.010	22.1
Body Test Data at the worst case with Battery 2#														
Left side	20	QPSK	25_25	23800/711	1:1	0.603	0.343	0.04	22.54	23.30	1.191	0.718	0.409	22.1

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Ant 0 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on/WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	10	QPSK	1 49	23780/709	1:1	0.471	0.253	-0.03	21.49	22.10	1.151	0.542	0.291	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	25 25	23800/711	1:1	0.447	0.240	0.17	21.29	22.10	1.205	0.539	0.289	22.1

Ant 1 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	10	QPSK	1_49	23780/709	1:1	0.154	0.107	0.07	23.96	24.80	1.213	0.187	0.130	22.1
Left tilted	10	QPSK	1_49	23780/709	1:1	0.110	0.077	0.10	23.96	24.80	1.213	0.133	0.094	22.1
Right cheek	10	QPSK	1_49	23780/709	1:1	0.161	0.132	0.03	23.96	24.80	1.213	0.195	0.160	22.1
Right tilted	10	QPSK	1_49	23780/709	1:1	0.091	0.065	0.16	23.96	24.80	1.213	0.111	0.079	22.1
Head Test Data(50%RB)														
Left cheek	10	QPSK	25_25	23780/709	1:1	0.134	0.105	0.04	23.03	23.80	1.194	0.160	0.125	22.1
Left tilted	10	QPSK	25_25	23780/709	1:1	0.098	0.078	0.12	23.03	23.80	1.194	0.117	0.093	22.1
Right cheek	10	QPSK	25_25	23780/709	1:1	0.138	0.113	0.16	23.03	23.80	1.194	0.165	0.135	22.1
Right tilted	10	QPSK	25_25	23780/709	1:1	0.093	0.066	0.07	23.03	23.80	1.194	0.110	0.079	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	10	QPSK	1_49	23780/709	1:1	0.157	0.129	0.04	23.96	24.80	1.213	0.191	0.157	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	10	QPSK	1_49	23780/709	1:1	0.221	0.173	0.00	23.96	24.80	1.213	0.268	0.210	22.1
Back side	10	QPSK	1_49	23780/709	1:1	0.260	0.204	0.03	23.96	24.80	1.213	0.315	0.248	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	25_25	23780/709	1:1	0.185	0.146	0.05	23.03	23.80	1.194	0.221	0.174	22.1
Back side	20	QPSK	25_25	23780/709	1:1	0.219	0.171	0.01	23.03	23.80	1.194	0.261	0.204	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	10	QPSK	1_49	23780/709	1:1	0.254	0.199	0.04	23.96	24.80	1.213	0.308	0.241	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	10	QPSK	1_49	23780/709	1:1	0.346	0.201	0.03	23.96	24.80	1.213	0.420	0.244	22.1
Back side	10	QPSK	1_49	23780/709	1:1	0.404	0.239	-0.05	23.96	24.80	1.213	0.490	0.290	22.1
Left side	10	QPSK	1_49	23780/709	1:1	0.137	0.094	0.04	23.96	24.80	1.213	0.166	0.114	22.1
Right side	10	QPSK	1_49	23780/709	1:1	0.512	0.360	0.15	23.96	24.80	1.213	0.621	0.437	22.1
Bottom side	10	QPSK	1_49	23780/709	1:1	0.298	0.155	0.02	23.96	24.80	1.213	0.362	0.188	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	25_25	23780/709	1:1	0.284	0.164	0.03	23.03	23.80	1.194	0.339	0.196	22.1
Back side	20	QPSK	25_25	23780/709	1:1	0.328	0.195	0.04	23.03	23.80	1.194	0.392	0.233	22.1
Left side	20	QPSK	25_25	23780/709	1:1	0.122	0.086	0.01	23.03	23.80	1.194	0.146	0.102	22.1
Right side	20	QPSK	25_25	23780/709	1:1	0.422	0.297	-0.11	23.03	23.80	1.194	0.504	0.355	22.1
Bottom side	20	QPSK	25_25	23780/709	1:1	0.238	0.124	0.01	23.03	23.80	1.194	0.284	0.148	22.1
Body Test Data at the worst case with Battery 2#														
Right side	10	QPSK	1_49	23780/709	1:1	0.470	0.328	-0.04	23.96	24.80	1.213	0.570	0.398	22.1

Table 35: SAR of LTE Band 17 for Head and Body.

Note:

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

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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).

Test Position	Channel/ Frequency	Measured SAR (1g)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
	(MHz)		SAR (1g)		SAR (1g)	SAR (1g)
Ant0						
Left cheek	23780/709	0.854	0.833	1.025	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was preformed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).						
3) A third repeated measurement was preformed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						

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8.4.7 SAR Result of LTE Band 26

Ant 0 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW.	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	15	QPSK	1_0	26965/841.5	1:1	0.320	0.178	0.06	23.75	24.60	1.216	0.389	0.216	22.1
Left tilted	15	QPSK	1_0	26965/841.5	1:1	0.063	0.043	0.04	23.75	24.60	1.216	0.076	0.052	22.1
Right cheek	15	QPSK	1_0	26965/841.5	1:1	0.576	0.285	0.09	23.75	24.60	1.216	0.701	0.347	22.1
Right tilted	15	QPSK	1_0	26965/841.5	1:1	0.126	0.082	0.11	23.75	24.60	1.216	0.153	0.100	22.1
Head Test Data(50%RB)														
Left cheek	15	QPSK	36_39	26765/821.5	1:1	0.284	0.182	0.02	22.85	23.60	1.189	0.338	0.216	22.1
Left tilted	15	QPSK	36_39	26765/821.5	1:1	0.058	0.040	0.05	22.85	23.60	1.189	0.069	0.047	22.1
Right cheek	15	QPSK	36_39	26765/821.5	1:1	0.348	0.174	0.03	22.85	23.60	1.189	0.414	0.207	22.1
Right tilted	15	QPSK	36_39	26765/821.5	1:1	0.082	0.054	0.03	22.85	23.60	1.189	0.098	0.064	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	15	QPSK	1_0	26965/841.5	1:1	0.570	0.282	0.03	23.75	24.60	1.216	0.693	0.343	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	15	QPSK	1_0	26965/841.5	1:1	0.090	0.061	0.03	23.75	24.60	1.216	0.109	0.074	22.1
Back side	15	QPSK	1_0	26965/841.5	1:1	0.130	0.084	0.03	23.75	24.60	1.216	0.158	0.102	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	15	QPSK	36_39	26765/821.5	1:1	0.060	0.041	0.09	22.85	23.60	1.189	0.071	0.048	22.1
Back side	15	QPSK	36_39	26765/821.5	1:1	0.083	0.054	0.01	22.85	23.60	1.189	0.099	0.064	22.1
Body Test Data at the worst case with Battery 2#														
Back side	15	QPSK	1_0	26965/841.5	1:1	0.128	0.083	0.03	23.75	24.60	1.216	0.156	0.101	22.1
Body Test Data (10mm)(1RB)														
Front side	15	QPSK	1_0	26965/841.5	1:1	0.154	0.095	0.17	23.75	24.60	1.216	0.187	0.115	22.1
Back side	15	QPSK	1_0	26965/841.5	1:1	0.158	0.096	-0.04	23.75	24.60	1.216	0.192	0.117	22.1
Left side	15	QPSK	1_0	26965/841.5	1:1	0.289	0.164	0.11	23.75	24.60	1.216	0.351	0.199	22.1
Top side	15	QPSK	1_0	26965/841.5	1:1	0.009	0.006	0.12	23.75	24.60	1.216	0.011	0.007	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	15	QPSK	36_39	26765/821.5	1:1	0.100	0.067	0.04	22.85	23.60	1.189	0.119	0.079	22.1
Back side	15	QPSK	36_39	26765/821.5	1:1	0.146	0.088	0.05	22.85	23.60	1.189	0.174	0.105	22.1
Left side	15	QPSK	36_39	26765/821.5	1:1	0.194	0.110	-0.04	22.85	23.60	1.189	0.231	0.131	22.1
Top side	15	QPSK	36_39	26765/821.5	1:1	0.004	0.002	0.05	22.85	23.60	1.189	0.005	0.002	22.1
Body Test Data at the worst case with Battery 2#														
Left side	15	QPSK	1_0	26965/841.5	1:1	0.286	0.162	0.14	23.75	24.60	1.216	0.348	0.197	22.1

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Ant 1 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek	15	QPSK	1_74	26765/821.5	1:1	0.095	0.074	0.04	24.09	24.80	1.178	0.112	0.087	22.1
Left tilted	15	QPSK	1_74	26765/821.5	1:1	0.058	0.041	0.03	24.09	24.80	1.178	0.069	0.049	22.1
Right cheek	15	QPSK	1_74	26765/821.5	1:1	0.125	0.094	0.07	24.09	24.80	1.178	0.147	0.111	22.1
Right tilted	15	QPSK	1_74	26765/821.5	1:1	0.077	0.060	0.01	24.09	24.80	1.178	0.090	0.071	22.1
Head Test Data(50%RB)														
Left cheek	15	QPSK	36_39	26765/821.5	1:1	0.071	0.050	0.02	23.19	23.80	1.151	0.082	0.057	22.1
Left tilted	15	QPSK	36_39	26765/821.5	1:1	0.044	0.031	0.08	23.19	23.80	1.151	0.051	0.036	22.1
Right cheek	15	QPSK	36_39	26765/821.5	1:1	0.092	0.070	0.09	23.19	23.80	1.151	0.106	0.081	22.1
Right tilted	15	QPSK	36_39	26765/821.5	1:1	0.058	0.046	0.06	23.19	23.80	1.151	0.067	0.053	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	15	QPSK	1_74	26765/821.5	1:1	0.122	0.092	0.01	24.09	24.80	1.178	0.144	0.108	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	15	QPSK	1_74	26765/821.5	1:1	0.113	0.087	0.03	24.09	24.80	1.178	0.133	0.102	22.1
Back side	15	QPSK	1_74	26765/821.5	1:1	0.142	0.108	0.11	24.09	24.80	1.178	0.167	0.127	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	15	QPSK	36_39	26765/821.5	1:1	0.098	0.075	0.02	23.19	23.80	1.151	0.113	0.086	22.1
Back side	15	QPSK	36_39	26765/821.5	1:1	0.111	0.085	0.14	23.19	23.80	1.151	0.128	0.098	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	15	QPSK	1_74	26765/821.5	1:1	0.128	0.097	-0.03	24.09	24.80	1.178	0.151	0.115	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	15	QPSK	1_74	26765/821.5	1:1	0.197	0.130	-0.08	24.09	24.80	1.178	0.232	0.153	22.1
Back side	15	QPSK	1_74	26765/821.5	1:1	0.221	0.130	0.08	24.09	24.80	1.178	0.260	0.153	22.1
Left side	15	QPSK	1_74	26765/821.5	1:1	0.063	0.044	0.02	24.09	24.80	1.178	0.074	0.052	22.1
Right side	15	QPSK	1_74	26765/821.5	1:1	0.207	0.141	0.15	24.09	24.80	1.178	0.244	0.166	22.1
Bottom side	15	QPSK	1_74	26765/821.5	1:1	0.163	0.095	0.07	24.09	24.80	1.178	0.192	0.111	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	15	QPSK	36_39	26765/821.5	1:1	0.152	0.100	-0.01	23.19	23.80	1.151	0.175	0.115	22.1
Back side	15	QPSK	36_39	26765/821.5	1:1	0.174	0.114	0.01	23.19	23.80	1.151	0.200	0.131	22.1
Left side	15	QPSK	36_39	26765/821.5	1:1	0.051	0.036	0.16	23.19	23.80	1.151	0.059	0.041	22.1
Right side	15	QPSK	36_39	26765/821.5	1:1	0.165	0.114	0.02	23.19	23.80	1.151	0.190	0.131	22.1
Bottom side	15	QPSK	36_39	26765/821.5	1:1	0.126	0.073	0.06	23.19	23.80	1.151	0.145	0.084	22.1
Body Test Data at the worst case with Battery 2#(10mm)														
Back side	15	QPSK	1_74	26765/821.5	1:1	0.195	0.117	0.09	24.09	24.80	1.178	0.230	0.138	22.1

Table 36: SAR of LTE Band 26 for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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).

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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8.4.1 SAR Result of LTE Band 38

Ant 0 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW.	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 50	38000/2595	1:1.58	0.305	0.155	0.17	19.79	20.10	1.074	0.328	0.166	22.1
Left tilted	20	QPSK	1 50	38000/2595	1:1.58	0.097	0.045	-0.08	19.79	20.10	1.074	0.104	0.048	22.1
Right cheek	20	QPSK	1 50	38000/2595	1:1.58	0.747	0.313	0.00	19.79	20.10	1.074	0.802	0.336	22.1
Right cheek	20	QPSK	1 0	37850/2580	1:1.58	0.800	0.341	0.00	19.65	20.10	1.109	0.887	0.378	22.1
Right cheek	20	QPSK	1 0	38150/2610	1:1.58	0.733	0.309	0.04	19.79	20.10	1.074	0.787	0.332	22.1
Right tilted	20	QPSK	1 50	38000/2595	1:1.58	0.292	0.130	0.00	19.79	20.10	1.074	0.314	0.140	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 0	38000/2595	1:1.58	0.315	0.163	-0.08	19.85	20.10	1.059	0.334	0.173	22.1
Left tilted	20	QPSK	50 0	38000/2595	1:1.58	0.100	0.045	0.07	19.85	20.10	1.059	0.106	0.048	22.1
Right cheek	20	QPSK	50 0	38000/2595	1:1.58	0.790	0.335	0.00	19.85	20.10	1.059	0.837	0.355	22.1
Right cheek	20	QPSK	50 0	37850/2580	1:1.58	0.911	0.376	-0.03	19.84	20.10	1.062	0.967	0.399	22.1
Right cheek-Repeat	20	QPSK	50_0	37850/2580	1:1.58	0.806	0.344	0.00	19.84	20.10	1.062	0.856	0.365	22.1
Right cheek	20	QPSK	PCC 1 0 SCC 0 0	37850/2580 38048/2599.8	1:1.58	0.788	0.336	-0.02	19.68	20.10	1.102	0.868	0.370	22.1
Right cheek	20	QPSK	50 0	38150/2610	1:1.58	0.745	0.313	0.00	19.76	20.10	1.081	0.806	0.338	22.1
Right tilted	20	QPSK	50 0	38000/2595	1:1.58	0.284	0.124	-0.06	19.85	20.10	1.059	0.301	0.131	22.1
Head Test Data(100%RB)														
Right cheek	20	QPSK	100 0	38150/2610	1:1.58	0.837	0.344	0.00	19.79	20.10	1.074	0.899	0.369	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	20	QPSK	50 0	37850/2580	1:1.58	0.798	0.341	0.09	19.84	20.10	1.062	0.847	0.362	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1 50	38000/2595	1:1.58	0.145	0.074	0.08	22.66	23.00	1.081	0.157	0.080	22.1
Back side	20	QPSK	1 50	38000/2595	1:1.58	0.240	0.115	-0.14	22.66	23.00	1.081	0.260	0.124	22.1
Back side	20	QPSK	PCC 1 0 SCC 0 0	37850/2580 38048/2599.8	1:1.58	0.231	0.114	0.01	22.58	23.00	1.102	0.254	0.126	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50 0	38000/2595	1:1.58	0.120	0.061	-0.02	21.66	22.00	1.081	0.130	0.066	22.1
Back side	20	QPSK	50 0	38000/2595	1:1.58	0.199	0.096	-0.09	21.66	22.00	1.081	0.215	0.104	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	1 50	38000/2595	1:1.58	0.237	0.114	-0.16	22.66	23.00	1.081	0.256	0.123	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1 50	38000/2595	1:1.58	0.283	0.138	-0.07	22.66	23.00	1.081	0.306	0.149	22.1
Back side	20	QPSK	1 50	38000/2595	1:1.58	0.537	0.239	0.06	22.66	23.00	1.081	0.581	0.258	22.1
Left side	20	QPSK	1 50	38000/2595	1:1.58	0.659	0.283	-0.07	22.66	23.00	1.081	0.713	0.306	22.1
Left side	20	QPSK	PCC 1 0 SCC 0 0	37850/2580 38048/2599.8	1:1.58	0.635	0.278	0.04	22.58	23.00	1.102	0.699	0.306	22.1
Top side	20	QPSK	1 50	38000/2595	1:1.58	0.053	0.028	0.08	22.66	23.00	1.081	0.057	0.030	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50 0	38000/2595	1:1.58	0.237	0.114	0.16	21.66	22.00	1.081	0.256	0.123	22.1
Back side	20	QPSK	50 0	38000/2595	1:1.58	0.450	0.201	-0.16	21.66	22.00	1.081	0.487	0.217	22.1
Left side	20	QPSK	50 0	38000/2595	1:1.58	0.544	0.233	-0.08	21.66	22.00	1.081	0.588	0.252	22.1
Top side	20	QPSK	50 0	38000/2595	1:1.58	0.044	0.023	-0.02	21.66	22.00	1.081	0.048	0.025	22.1
Body Test Data at the worst case with Battery 2#														
Left side	20	QPSK	1 50	38000/2595	1:1.58	0.655	0.282	-0.13	22.66	23.00	1.081	0.708	0.305	22.1

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Ant 2 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 0	37850/2580	1:1.58	0.409	0.188	0.10	15.78	16.50	1.180	0.483	0.222	22.1
Left tilted	20	QPSK	1 0	37850/2580	1:1.58	0.541	0.242	-0.03	15.78	16.50	1.180	0.639	0.286	22.1
Right cheek	20	QPSK	1 0	37850/2580	1:1.58	0.759	0.305	0.07	15.78	16.50	1.180	0.896	0.360	22.1
Right cheek	20	QPSK	1 0	38000/2595	1:1.58	0.763	0.303	-0.07	15.77	16.50	1.183	0.903	0.358	22.1
Right cheek	20	QPSK	1 0	38150/2610	1:1.58	0.754	0.299	-0.19	15.78	16.50	1.180	0.890	0.353	22.1
Right tilted	20	QPSK	1 0	37850/2580	1:1.58	0.725	0.302	0.03	15.78	16.50	1.180	0.856	0.356	22.1
Right tilted	20	QPSK	1 0	38000/2595	1:1.58	0.720	0.300	0.04	15.77	16.50	1.183	0.852	0.355	22.1
Right tilted	20	QPSK	1 0	38150/2610	1:1.58	0.692	0.286	0.02	15.78	16.50	1.180	0.817	0.338	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 25	38150/2610	1:1.58	0.411	0.189	0.18	15.78	16.50	1.180	0.485	0.223	22.1
Left tilted	20	QPSK	50 25	38150/2610	1:1.58	0.558	0.249	0.05	15.78	16.50	1.180	0.659	0.294	22.1
Right cheek	20	QPSK	50 25	38150/2610	1:1.58	0.766	0.303	-0.16	15.78	16.50	1.180	0.904	0.358	22.1
Right cheek	20	QPSK	PCC 1 0 SCC 0 0	38150/2610 37952/2590.2	1:1.58 1:1.58	0.681	0.282	-0.06	15.62	16.50	1.225	0.834	0.345	22.1
Right cheek	20	QPSK	50 25	37850/2580	1:1.58	0.764	0.305	0.01	15.77	16.50	1.183	0.904	0.361	22.1
Right cheek	20	QPSK	50 25	38000/2595	1:1.58	0.745	0.297	0.01	15.72	16.50	1.197	0.892	0.355	22.1
Right tilted	20	QPSK	50 25	38150/2610	1:1.58	0.695	0.271	-0.01	15.78	16.50	1.180	0.820	0.320	22.1
Right tilted	20	QPSK	50 25	37850/2580	1:1.58	0.719	0.301	0.02	15.77	16.50	1.183	0.851	0.356	22.1
Right tilted	20	QPSK	50 25	38000/2595	1:1.58	0.724	0.300	0.19	15.72	16.50	1.197	0.866	0.359	22.1
Head Test Data(100%RB)														
Right cheek	20	QPSK	100 0	38150/2610	1:1.58	0.643	0.258	0.06	15.75	16.50	1.189	0.764	0.307	22.1
Right tilted	20	QPSK	100 0	38150/2610	1:1.58	0.627	0.252	0.05	15.75	16.50	1.189	0.745	0.300	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	20	QPSK	50 25	38150/2610	1:1.58	0.758	0.300	-0.17	15.78	16.50	1.180	0.895	0.354	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1 0	38150/2610	1:1.58	0.186	0.097	-0.04	20.66	21.30	1.159	0.216	0.113	22.1
Back side	20	QPSK	1 0	38150/2610	1:1.58	0.232	0.121	0.00	20.66	21.30	1.159	0.269	0.140	22.1
Back side	20	QPSK	PCC 1 0 SCC 0 0	38150/2610 37952/2590.2	1:1.58 1:1.58	0.218	0.116	-0.03	20.54	21.30	1.191	0.260	0.138	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50 25	37850/2580	1:1.58	0.186	0.097	-0.01	20.65	21.30	1.161	0.216	0.113	22.1
Back side	20	QPSK	50 25	37850/2580	1:1.58	0.227	0.118	-0.04	20.65	21.30	1.161	0.264	0.137	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	1 0	38150/2610	1:1.58	0.229	0.120	-0.09	20.66	21.30	1.159	0.265	0.139	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1 0	38150/2610	1:1.58	0.424	0.212	-0.05	20.66	21.30	1.159	0.491	0.246	22.1
Back side	20	QPSK	1 0	38150/2610	1:1.58	0.428	0.216	-0.02	20.66	21.30	1.159	0.496	0.250	22.1
Left side	20	QPSK	1 0	38150/2610	1:1.58	0.077	0.030	-0.01	20.66	21.30	1.159	0.089	0.035	22.1
Top side	20	QPSK	1 0	38150/2610	1:1.58	0.870	0.400	0.12	20.66	21.30	1.159	1.008	0.464	22.1
Top side	20	QPSK	1 0	37850/2580	1:1.58	0.870	0.400	0.10	20.51	21.30	1.199	1.044	0.480	22.1
Top side	20	QPSK	1 0	38000/2595	1:1.58	0.888	0.410	0.13	20.61	21.30	1.172	1.041	0.481	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50 25	37850/2580	1:1.58	0.432	0.216	-0.02	20.65	21.30	1.161	0.502	0.251	22.1
Back side	20	QPSK	50 25	37850/2580	1:1.58	0.464	0.222	-0.01	20.65	21.30	1.161	0.539	0.258	22.1
Left side	20	QPSK	50 25	37850/2580	1:1.58	0.071	0.029	0.04	20.65	21.30	1.161	0.083	0.033	22.1
Top side	20	QPSK	50 25	37850/2580	1:1.58	0.900	0.414	0.03	20.65	21.30	1.161	1.045	0.481	22.1
Top side	20	QPSK	PCC 1 0 SCC 0 0	37850/2580 38048/2599.8	1:1.58 1:1.58	0.861	0.391	0.01	20.50	21.30	1.202	1.035	0.470	22.1
Top side-Repeat	20	QPSK	50_25	37850/2580	1:1.58	0.808	0.371	0.03	20.65	21.30	1.161	0.938	0.431	22.1
Top side	20	QPSK	50 25	38000/2595	1:1.58	0.897	0.414	0.02	20.64	21.30	1.164	1.044	0.482	22.1
Top side	20	QPSK	50 25	38150/2610	1:1.58	0.891	0.413	0.08	20.62	21.30	1.169	1.042	0.483	22.1
Hotspot Test data(Separate 10mm 100%RB)														
Top side	20	QPSK	100 0	37850/2580	1:1.58	0.892	0.411	0.03	20.63	21.30	1.167	1.041	0.480	22.1

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Body Test Data at the worst case with Battery 2#														
Top side	20	QPSK	50 25	37850/2580	1:1.58	0.891	0.410	0.09	20.65	21.30	1.161	1.035	0.476	22.1
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 0	37850/2580	1:1.58	0.283	0.130	-0.09	14.01	14.90	1.227	0.347	0.160	22.1
Left tilted	20	QPSK	1 0	37850/2580	1:1.58	0.374	0.167	0.06	14.01	14.90	1.227	0.459	0.205	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 25	38150/2610	1:1.58	0.284	0.131	0.13	14.11	14.90	1.199	0.341	0.157	22.1
Left tilted	20	QPSK	50 25	38150/2610	1:1.58	0.386	0.172	0.01	14.11	14.90	1.199	0.463	0.206	22.1
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/ WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 0	37850/2580	1:1.58	0.317	0.146	-0.04	14.55	15.40	1.216	0.386	0.178	22.1
Left tilted	20	QPSK	1 0	37850/2580	1:1.58	0.420	0.188	0.05	14.55	15.40	1.216	0.511	0.229	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 25	38150/2610	1:1.58	0.319	0.147	0.17	14.59	15.40	1.205	0.384	0.177	22.1
Left tilted	20	QPSK	50 25	38150/2610	1:1.58	0.433	0.193	0.16	14.59	15.40	1.205	0.522	0.233	22.1
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 2.4G Receiver off/WWAN+WLAN 2.4G(Chain1)+BT Receiver off/ WWAN+WLAN 5G Receiver off/WWAN+WLAN 5G+BT Receiver off)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size_ RB offset											
Hotspot Test data(Separate 10mm 1RB)														
Top side	20	QPSK	1 0	37850/2580	1:1.58	0.556	0.259	-0.07	18.78	19.50	1.180	0.656	0.306	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Top side	20	QPSK	50 25	37850/2580	1:1.58	0.565	0.265	0.09	18.93	19.50	1.140	0.644	0.302	22.1
Ant 3 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 0	38150/2610	1:1.58	0.137	0.073	0.12	23.42	23.60	1.042	0.143	0.077	22.1
Left tilted	20	QPSK	1 0	38150/2610	1:1.58	0.091	0.046	0.02	23.42	23.60	1.042	0.095	0.048	22.1
Right cheek	20	QPSK	1 0	38150/2610	1:1.58	0.289	0.151	0.05	23.42	23.60	1.042	0.301	0.157	22.1
Right cheek	20	QPSK	PCC 1 0 SCC 0 0	38150/2610 37952/2590.2	1:1.58 1:1.58	0.212	0.112	-0.03	23.33	23.60	1.064	0.226	0.119	22.1
Right tilted	20	QPSK	1 0	38150/2610	1:1.58	0.079	0.040	0.03	23.42	23.60	1.042	0.082	0.041	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 50	38000/2595	1:1.58	0.107	0.055	0.09	22.45	22.60	1.035	0.111	0.057	22.1
Left tilted	20	QPSK	50 50	38000/2595	1:1.58	0.070	0.035	0.05	22.45	22.60	1.035	0.073	0.036	22.1
Right cheek	20	QPSK	50 50	38000/2595	1:1.58	0.216	0.114	0.06	22.45	22.60	1.035	0.224	0.118	22.1
Right tilted	20	QPSK	50 50	38000/2595	1:1.58	0.060	0.029	0.01	22.45	22.60	1.035	0.062	0.030	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	20	QPSK	1 0	38150/2610	1:1.58	0.279	0.144	0.09	23.42	23.60	1.042	0.291	0.150	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1 0	38150/2610	1:1.58	0.162	0.089	-0.02	23.42	23.60	1.042	0.169	0.093	22.1
Front side	20	QPSK	PCC 1 0 SCC 0 0	38150/2610 37952/2590.2	1:1.58 1:1.58	0.150	0.076	-0.04	23.33	23.60	1.064	0.160	0.081	22.1

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Back side	20	QPSK	1 0	38150/2610	1:1.58	0.151	0.077	0.01	23.42	23.60	1.042	0.157	0.080	22.1
Body worn Test data (Separate 15mm 50%RB)														
Front side	20	QPSK	50 50	38000/2595	1:1.58	0.137	0.075	-0.01	22.45	22.60	1.035	0.142	0.077	22.1
Back side	20	QPSK	50 50	38000/2595	1:1.58	0.124	0.064	0.05	22.45	22.60	1.035	0.128	0.067	22.1
Body worn Test data at the worst case with Battery 2#														
Front side	20	QPSK	1 0	38150/2610	1:1.58	0.161	0.089	0.01	23.42	23.60	1.042	0.168	0.092	22.1
Hotspot Test data (Separate 10mm 1RB)														
Front side	20	QPSK	1 0	38150/2610	1:1.58	0.296	0.156	-0.07	23.42	23.60	1.042	0.309	0.163	22.1
Back side	20	QPSK	1 0	38150/2610	1:1.58	0.303	0.152	0.05	23.42	23.60	1.042	0.316	0.158	22.1
Left side	20	QPSK	1 0	38150/2610	1:1.58	0.003	0.001	0.05	23.42	23.60	1.042	0.003	0.001	22.1
Right side	20	QPSK	1 0	38150/2610	1:1.58	0.594	0.280	-0.05	23.42	23.60	1.042	0.619	0.292	22.1
Right side	20	QPSK	PCC 1 0	38150/2610	1:1.58	0.574	0.266	-0.01	23.33	23.60	1.064	0.611	0.283	22.1
			SCC 0 0	37952/2590.2	1:1.58									
Bottom side	20	QPSK	1 0	38150/2610	1:1.58	0.196	0.085	-0.02	23.42	23.60	1.042	0.204	0.089	22.1
Hotspot Test data (Separate 10mm 50%RB)														
Front side	20	QPSK	50 50	38000/2595	1:1.58	0.240	0.126	-0.01	22.45	22.60	1.035	0.248	0.130	22.1
Back side	20	QPSK	50 50	38000/2595	1:1.58	0.246	0.124	-0.03	22.45	22.60	1.035	0.255	0.128	22.1
Left side	20	QPSK	50 50	38000/2595	1:1.58	0.002	0.001	-0.04	22.45	22.60	1.035	0.002	0.001	22.1
Right side	20	QPSK	50 50	38000/2595	1:1.58	0.489	0.228	-0.02	22.45	22.60	1.035	0.506	0.236	22.1
Bottom side	20	QPSK	50 50	38000/2595	1:1.58	0.160	0.069	-0.09	22.45	22.60	1.035	0.166	0.072	22.1
Body Test Data at the worst case with Battery 2#														
Right side	20	QPSK	1 0	38150/2610	1:1.58	0.589	0.277	-0.08	23.42	23.60	1.042	0.614	0.289	22.1

Table 37: SAR of LTE Band 38 for Head, Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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 (1g SAR) or ≤ 2.0 W/kg (10g SAR) then testing at the other channels is not required for such test configuration(s).

Test Position	Channel/ Frequency (MHz)	Measured SAR (1g)	1 st Repeated SAR (1g)	Ratio	2 nd Repeated SAR (1g)	3 rd Repeated SAR (1g)
Ant0						
Right cheek	37850/2580	0.911	0.806	1.130	N/A	N/A
Ant2						
Top side 10mm	37850/2580	0.900	0.808	1.114	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was preformed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).						
3) A third repeated measurement was preformed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						

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8.4.2 SAR Result of LTE Band 41

Ant 0 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek Class3	20	QPSK	1_0	39750/2506	1:1.58	0.331	0.172	0.05	19.21	19.50	1.069	0.354	0.184	22.1
Left tilted (Class3)	20	QPSK	1_0	39750/2506	1:1.58	0.094	0.042	0.06	19.21	19.50	1.069	0.101	0.044	22.1
Right cheek (Class3)	20	QPSK	1_0	39750/2506	1:1.58	0.854	0.356	0.01	19.21	19.50	1.069	0.913	0.381	22.1
Right cheek (Class3)	20	QPSK	1_0	40185/2549.5	1:1.58	0.903	0.378	0.02	19.21	19.50	1.069	0.965	0.404	22.1
Right cheek (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.857	0.362	-0.12	19.13	19.50	1.089	0.933	0.394	22.1
Right cheek (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.739	0.308	-0.05	19.05	19.50	1.109	0.820	0.342	22.1
Right cheek (Class3)	20	QPSK	1_99	41490/2680	1:1.58	0.533	0.213	-0.09	19.14	19.50	1.086	0.579	0.231	22.1
Right tilted (Class3)	20	QPSK	1_0	39750/2506	1:1.58	0.273	0.119	0.02	19.19	19.50	1.074	0.293	0.128	22.1
Head Test Data(50%RB)														
Left cheek (Class3)	20	QPSK	50_25	39750/2506	1:1.58	0.354	0.183	0.04	19.40	19.50	1.023	0.362	0.187	22.1
Left tilted (Class3)	20	QPSK	50_25	39750/2506	1:1.58	0.104	0.046	0.04	19.40	19.50	1.023	0.106	0.047	22.1
Right cheek (Class3)	20	QPSK	50_25	39750/2506	1:1.58	0.905	0.378	0.08	19.40	19.50	1.023	0.926	0.387	22.1
Right cheek (Class3)	20	QPSK	50_25	40185/2549.5	1:1.58	0.944	0.399	-0.07	19.39	19.50	1.026	0.968	0.409	22.1
Right cheek (Class2)	20	QPSK	50_25	40185/2549.5	1:2.308	0.851	0.357	-0.03	19.39	19.50	1.026	0.873	0.366	22.1
Right cheek-Repeat(Class3)	20	QPSK	50_25	40185/2549.5	1:1.58	0.943	0.394	0.05	19.39	19.50	1.026	0.967	0.404	22.1
Right cheek (Class3)	20	QPSK	PCC 1_0 SCC 0_0	40185/2549.5 40383/2569.3	1:1.58	0.707	0.295	-0.04	19.11	19.50	1.094	0.773	0.323	22.1
Right cheek (Class3)	20	QPSK	50_50	40620/2593	1:1.58	0.835	0.350	-0.08	19.21	19.50	1.069	0.893	0.374	22.1
Right cheek (Class3)	20	QPSK	50_25	41055/2636.5	1:1.58	0.721	0.298	-0.14	19.25	19.50	1.059	0.764	0.316	22.1
Right cheek (Class3)	20	QPSK	50_0	41490/2680	1:1.58	0.600	0.242	-0.03	19.22	19.50	1.067	0.640	0.258	22.1
Right tilted (Class3)	20	QPSK	50_25	39750/2506	1:1.58	0.286	0.125	0.07	19.40	19.50	1.023	0.293	0.128	22.1
Head Test Data(100%RB)														
Right cheek (Class3)	20	QPSK	100_0	39750/2506	1:1.58	0.908	0.379	0.08	19.32	19.50	1.042	0.946	0.395	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek (Class3)	20	QPSK	50_25	40185/2549.5	1:1.58	0.939	0.397	-0.08	19.39	19.50	1.026	0.963	0.407	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.086	0.044	0.06	19.67	20.50	1.211	0.104	0.053	22.1
Back side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.162	0.077	0.12	19.67	20.50	1.211	0.196	0.094	22.1
Back side (Class2)	20	QPSK	1_0	40620/2593	1:2.308	0.115	0.057	-0.04	19.67	20.50	1.211	0.139	0.069	22.1
Back side	20	QPSK	PCC 1_0	40620/2593	1:1.58	0.157	0.079	0.01	19.61	20.50	1.227	0.193	0.097	22.1

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(Class3)			SCC 0_0	40818/2612.8										
Body worn Test data(Separate 15mm 50%RB)														
Front side (Class3)	20	QPSK	50_50	40620/2593	1:1.58	0.085	0.043	0.02	19.88	20.50	1.153	0.098	0.049	22.1
Back side (Class3)	20	QPSK	50_50	40620/2593	1:1.58	0.159	0.076	0.00	19.88	20.50	1.153	0.183	0.087	22.1
Body worn Test data at the worst case with Battery 2#														
Back side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.160	0.076	0.01	19.67	20.50	1.211	0.194	0.092	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.171	0.084	0.02	19.67	20.50	1.211	0.207	0.101	22.1
Back side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.343	0.150	0.11	19.67	20.50	1.211	0.415	0.182	22.1
Left side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.431	0.186	0.06	19.67	20.50	1.211	0.522	0.225	22.1
Left side (Class2)	20	QPSK	1_0	40620/2593	1:2.308	0.263	0.115	0.02	19.67	20.50	1.211	0.318	0.139	22.1
Left side (Class3)	20	QPSK	PCC 1_0 SCC 0_0	40620/2593 40818/2612.8	1:1.58	0.406	0.182	0.01	19.61	20.50	1.227	0.498	0.223	22.1
Top side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.021	0.010	0.05	19.67	20.50	1.211	0.025	0.012	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side (Class3)	20	QPSK	50_50	40620/2593	1:1.58	0.176	0.087	0.01	19.88	20.50	1.153	0.203	0.100	22.1
Back side (Class3)	20	QPSK	50_50	40620/2593	1:1.58	0.383	0.170	0.16	19.88	20.50	1.153	0.442	0.196	22.1
Left side (Class3)	20	QPSK	50_50	40620/2593	1:1.58	0.446	0.192	0.05	19.88	20.50	1.153	0.514	0.221	22.1
Top side (Class3)	20	QPSK	50_50	40620/2593	1:1.58	0.023	0.011	-0.01	19.88	20.50	1.153	0.027	0.012	22.1
Body Test Data at the worst case with Battery 2#														
Left side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.412	0.177	0.02	19.67	20.50	1.211	0.499	0.214	22.1
Ant 2 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.497	0.232	0.02	16.35	16.40	1.012	0.503	0.235	22.1
Left tilted (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.586	0.264	0.05	16.35	16.40	1.012	0.593	0.267	22.1
Right cheek (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.865	0.348	0.03	16.35	16.40	1.012	0.875	0.352	22.1
Right cheek (Class3)	20	QPSK	1_0	39750/2506	1:1.58	0.801	0.324	0.04	16.07	16.40	1.079	0.864	0.350	22.1
Right cheek (Class3)	20	QPSK	1_0	40185/2549.5	1:1.58	0.899	0.364	-0.13	16.25	16.40	1.035	0.931	0.377	22.1
Right cheek (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.840	0.336	0.03	16.24	16.40	1.038	0.872	0.349	22.1
Right cheek (Class3)	20	QPSK	1_99	41490/2680	1:1.58	0.875	0.349	-0.16	16.35	16.40	1.012	0.885	0.353	22.1
Right tilted (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.944	0.370	0.01	16.35	16.40	1.012	0.955	0.374	22.1
Right tilted (Class3)	20	QPSK	1_0	39750/2506	1:1.58	0.886	0.350	0.07	16.07	16.40	1.079	0.956	0.378	22.1
Right tilted (Class3)	20	QPSK	1_0	40185/2549.5	1:1.58	0.875	0.354	0.04	16.25	16.40	1.035	0.906	0.366	22.1
Right tilted (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.770	0.309	0.16	16.24	16.40	1.038	0.799	0.321	22.1

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Right tilted (Class3)	20	QPSK	1_99	41490/2680	1:1.58	0.746	0.288	-0.07	16.35	16.40	1.012	0.755	0.291	22.1
Head Test Data(50%RB)														
Left cheek (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.497	0.231	0.08	16.30	16.40	1.023	0.509	0.236	22.1
Left tilted (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.578	0.260	0.05	16.30	16.40	1.023	0.591	0.266	22.1
Right cheek (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.873	0.349	0.02	16.30	16.40	1.023	0.893	0.357	22.1
Right cheek (Class3)	20	QPSK	50_25	39750/2506	1:1.58	0.880	0.362	-0.09	16.19	16.40	1.050	0.924	0.380	22.1
Right cheek (Class3)	20	QPSK	50_0	40185/2549.5	1:1.58	0.922	0.373	0.06	16.25	16.40	1.035	0.954	0.386	22.1
Right cheek (Class3)	20	QPSK	50_25	41055/2636.5	1:1.58	0.859	0.343	0.15	16.23	16.40	1.040	0.893	0.357	22.1
Right cheek (Class3)	20	QPSK	50_50	41490/2680	1:1.58	0.901	0.361	0.04	16.26	16.40	1.033	0.931	0.373	22.1
Right tilted (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.944	0.369	-0.05	16.30	16.40	1.023	0.966	0.378	22.1
Right tilted (Class3)	20	QPSK	50_25	39750/2506	1:1.58	0.961	0.376	-0.02	16.19	16.40	1.050	1.009	0.395	22.1
Right tilted (Class2)	20	QPSK	50_25	39750/2506	1:2.308	0.541	0.214	0.01	16.19	16.40	1.050	0.568	0.225	22.1
Right tilted-repeat(Class3)	20	QPSK	50_25	39750/2506	1:1.58	0.829	0.327	-0.07	16.19	16.40	1.050	0.870	0.343	22.1
Right tilted (Class3)	20	QPSK	PCC 1_0 SCC 0_0	39750/2506 39948/2525.8	1:1.58	0.816	0.321	0.04	16.05	16.40	1.084	0.884	0.348	22.1
Right tilted (Class3)	20	QPSK	50_0	40185/2549.5	1:1.58	0.896	0.363	0.08	16.25	16.40	1.035	0.927	0.376	22.1
Right tilted (Class3)	20	QPSK	50_25	41055/2636.5	1:1.58	0.765	0.304	0.03	16.23	16.40	1.040	0.796	0.316	22.1
Right tilted (Class3)	20	QPSK	50_50	41490/2680	1:1.58	0.768	0.297	0.02	16.26	16.40	1.033	0.793	0.307	22.1
Head Test Data(100%RB)														
Right cheek (Class3)	20	QPSK	100_0	39750/2506	1:1.58	0.750	0.309	0.03	16.23	16.40	1.040	0.780	0.321	22.1
Right tilted (Class3)	20	QPSK	100_0	39750/2506	1:1.58	0.819	0.329	0.02	16.23	16.40	1.040	0.852	0.342	22.1
Head Test Data at the worst case with Battery 2#														
Right tilted (Class3)	20	QPSK	50_25	39750/2506	1:1.58	0.951	0.372	-0.09	16.19	16.40	1.050	0.998	0.390	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.129	0.066	0.00	19.45	19.50	1.012	0.130	0.067	22.1
Back side (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.182	0.093	0.06	19.45	19.50	1.012	0.184	0.094	22.1
Back side (Class2)	20	QPSK	1_0	41055/2636.5	1:2.308	0.113	0.057	-0.01	19.45	19.50	1.012	0.114	0.058	22.1
Back side (Class3)	20	QPSK	PCC 1_0 SCC 0_0	41055/2636.5 41253/2656.3	1:1.58	0.171	0.083	0.02	19.32	19.50	1.042	0.178	0.087	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.114	0.060	0.00	19.41	19.50	1.021	0.116	0.061	22.1
Back side (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.172	0.087	-0.04	19.41	19.50	1.021	0.176	0.089	22.1
Body worn Test data at the worst case with Battery 2#														
Back side (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.179	0.091	0.05	19.45	19.50	1.012	0.181	0.092	22.1

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Hotspot Test data(Separate 10mm 1RB)														
Front side (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.239	0.122	-0.03	19.45	19.50	1.012	0.242	0.123	22.1
Back side (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.313	0.153	0.01	19.45	19.50	1.012	0.317	0.155	22.1
Left side (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.075	0.033	0.03	19.45	19.50	1.012	0.076	0.033	22.1
Top side (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.580	0.269	0.02	19.45	19.50	1.012	0.587	0.272	22.1
Top side (Class2)	20	QPSK	1_0	41055/2636.5	1:2.308	0.434	0.203	0.02	19.45	19.50	1.012	0.439	0.205	22.1
Top side (Class3)	20	QPSK	PCC 1_0 SCC 0_0	41055/2636.5 41253/2656.3	1:1.58	0.532	0.249	0.01	19.32	19.50	1.042	0.555	0.260	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.230	0.116	0.00	19.41	19.50	1.021	0.235	0.118	22.1
Back side (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.310	0.152	0.05	19.41	19.50	1.021	0.316	0.155	22.1
Left side (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.060	0.026	-0.07	19.41	19.50	1.021	0.061	0.027	22.1
Top side (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.545	0.253	-0.05	19.41	19.50	1.021	0.556	0.258	22.1
Body Test Data at the worst case with Battery 2#														
Top side (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.576	0.267	0.05	19.45	19.50	1.012	0.583	0.270	22.1
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.360	0.168	0.03	14.64	15.00	1.086	0.391	0.183	22.1
Left tilted (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.425	0.191	0.07	14.64	15.00	1.086	0.462	0.208	22.1
Right tilted (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.684	0.268	0.09	14.64	15.00	1.086	0.743	0.291	22.1
Head Test Data(50%RB)														
Left cheek (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.360	0.167	-0.02	14.86	15.00	1.033	0.372	0.172	22.1
Left tilted (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.419	0.188	0.07	14.86	15.00	1.033	0.433	0.194	22.1
Right tilted (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.684	0.267	0.09	14.86	15.00	1.033	0.706	0.276	22.1
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.401	0.185	0.13	15.23	15.50	1.064	0.427	0.197	22.1
Left tilted (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.473	0.212	0.05	15.23	15.50	1.064	0.503	0.226	22.1
Right tilted (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.763	0.294	0.08	15.23	15.50	1.064	0.812	0.313	22.1
Head Test Data(50%RB)														
Left cheek (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.402	0.186	-0.07	15.38	15.50	1.028	0.413	0.191	22.1
Left tilted (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.466	0.208	0.01	15.38	15.50	1.028	0.479	0.214	22.1

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Right tilted (Class3)	20	QPSK	50_0	40620/2593	1:1.58	0.765	0.297	0.06	15.38	15.50	1.028	0.786	0.305	22.1
Ant 3 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW.	Modulation	RB Size RB offset											
Head Test Data(1RB)														
Left cheek (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.116	0.063	0.02	23.10	23.50	1.096	0.127	0.069	22.1
Left tilted (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.084	0.043	0.05	23.10	23.50	1.096	0.092	0.047	22.1
Right cheek (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.268	0.138	0.07	23.10	23.50	1.096	0.294	0.151	22.1
Right cheek (Class2)	20	QPSK	1_0	40620/2593	1:2.308	0.241	0.126	0.11	24.81	25.50	1.172	0.282	0.148	22.1
Right cheek (Class3)	20	QPSK	PCC 1 0 SCC 0 0	40620/2593 40818/2612.8	1:1.58	0.251	0.128	0.02	22.89	23.50	1.151	0.289	0.147	22.1
Right tilted (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.060	0.029	0.04	23.10	23.50	1.096	0.066	0.032	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 25	40185/2549.5	1:1.58	0.086	0.046	0.18	22.26	22.50	1.057	0.091	0.049	22.1
Left tilted	20	QPSK	50 25	40185/2549.5	1:1.58	0.059	0.030	0.05	22.26	22.50	1.057	0.062	0.032	22.1
Right cheek	20	QPSK	50 25	40185/2549.5	1:1.58	0.189	0.098	0.02	22.26	22.50	1.057	0.200	0.103	22.1
Right tilted	20	QPSK	50 25	40185/2549.5	1:1.58	0.042	0.020	0.08	22.26	22.50	1.057	0.044	0.021	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	20	QPSK	1_0	40620/2593	1:1	0.263	0.137	0.17	23.10	23.50	1.096	0.288	0.150	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1_0	40185/2549.5	1:1.58	0.159	0.087	-0.03	23.10	23.50	1.096	0.174	0.095	22.1
Back side	20	QPSK	1_0	40185/2549.5	1:1.58	0.145	0.073	0.03	23.10	23.50	1.096	0.159	0.080	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50 25	40340/2565	1:1.58	0.131	0.074	0.08	22.26	22.50	1.057	0.138	0.078	22.1
Back side	20	QPSK	50 25	40340/2565	1:1.58	0.112	0.058	0.04	22.26	22.50	1.057	0.118	0.061	22.1
Body worn Test data at the worst case with Battery 2#														
Front side (Class3)	20	QPSK	1_0	40185/2549.5	1:1.58	0.189	0.103	0.15	23.10	23.50	1.096	0.207	0.113	22.1
Front side (Class2)	20	QPSK	1_0	40185/2549.5	1:2.308	0.168	0.091	0.01	24.80	25.50	1.175	0.197	0.107	22.1
Front side (Class3)	20	QPSK	PCC 1 0 SCC 0 0	40185/2549.5 40383/2529.7	1:1.58	0.173	0.097	0.04	22.91	23.50	1.146	0.198	0.111	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.281	0.149	0.02	23.10	23.50	1.096	0.308	0.163	22.1
Back side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.306	0.160	-0.02	23.10	23.50	1.096	0.336	0.175	22.1
Left side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.009	0.003	-0.01	23.10	23.50	1.096	0.009	0.003	22.1
Right side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.767	0.334	-0.02	23.10	23.50	1.096	0.841	0.366	22.1
Right side (Class2)	20	QPSK	1_0	40620/2593	1:2.308	0.581	0.272	-0.06	24.81	25.50	1.172	0.681	0.319	22.1
Right side	20	QPSK	PCC 1 0 SCC 0 0	40620/2593 40818/2612.8	1:1.58	0.561	0.266	-0.02	22.89	23.50	1.151	0.646	0.306	22.1
Right side (Class3)	20	QPSK	1_0	39750/2506	1:1.58	0.730	0.318	-0.01	22.94	23.50	1.138	0.830	0.362	22.1
Right side (Class3)	20	QPSK	1_0	40185/2549.5	1:1.58	0.612	0.299	-0.01	22.96	23.50	1.132	0.693	0.339	22.1
Right side (Class3)	20	QPSK	1_0	41055/2636.5	1:1.58	0.570	0.271	-0.06	23.06	23.50	1.107	0.631	0.300	22.1
Right side (Class3)	20	QPSK	1_0	41490/2680	1:1.58	0.536	0.252	-0.02	23.10	23.50	1.096	0.588	0.276	22.1
Bottom side	20	QPSK	1_0	40620/2593	1:1.58	0.165	0.072	-0.03	23.10	23.50	1.096	0.181	0.079	22.1

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(Class3)														
Hotspot Test data(Separate 10mm 50%RB)														
Front side (Class3)	20	QPSK	50_25	40185/2549.5	1:1.58	0.261	0.140	0.09	22.31	22.50	1.045	0.273	0.146	22.1
Back side (Class3)	20	QPSK	50_25	40185/2549.5	1:1.58	0.283	0.150	-0.08	22.31	22.50	1.045	0.296	0.157	22.1
Left side (Class3)	20	QPSK	50_25	40185/2549.5	1:1.58	0.008	0.003	-0.06	22.31	22.50	1.045	0.009	0.003	22.1
Right side (Class3)	20	QPSK	50_25	40185/2549.5	1:1.58	0.569	0.268	-0.05	22.31	22.50	1.045	0.594	0.280	22.1
Bottom side (Class3)	20	QPSK	50_25	40185/2549.5	1:1.58	0.148	0.064	0.03	22.31	22.50	1.045	0.155	0.067	22.1
Hotspot Test data(Separate 10mm 100%RB)														
Right side (Class3)	20	QPSK	100_0	41055/2636.5	1:1.58	0.467	0.215	-0.03	22.23	22.50	1.064	0.497	0.229	22.1
Body Test Data at the worst case with Battery 2#														
Right side (Class3)	20	QPSK	1_0	40620/2593	1:1.58	0.756	0.329	0.02	23.10	23.50	1.096	0.829	0.361	22.1

Table 38: SAR of LTE Band 41 for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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).

Test Position	Channel/ Frequency	Measured SAR (1g)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
	(MHz)		SAR (1g)		SAR (1g)	SAR (1g)
Ant0						
Right cheek (Class3)	40185/2549.5	0.944	0.943	1.001	N/A	N/A
Ant2						
Right tilted (Class3)	39750/2506	0.961	0.829	1.159	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.

2) A second repeated measurement was preformed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).

3) A third repeated measurement was preformed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg

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8.4.3 SAR Result of LTE Band 66

Ant 2 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 0	132322/1745	1:1	0.347	0.187	-0.08	14.72	15.70	1.253	0.435	0.234	22.1
Left tilted	20	QPSK	1 0	132322/1745	1:1	0.473	0.251	-0.02	14.72	15.70	1.253	0.593	0.315	22.1
Right cheek	20	QPSK	1 0	132322/1745	1:1	0.546	0.235	0.08	14.72	15.70	1.253	0.684	0.294	22.1
Right tilted	20	QPSK	1 0	132322/1745	1:1	0.706	0.327	0.11	14.72	15.70	1.253	0.885	0.410	22.1
Right tilted	20	QPSK	1 0	132072/1720	1:1	0.671	0.315	0.12	14.71	15.70	1.256	0.843	0.396	22.1
Right tilted	20	QPSK	1 0	132572/1770	1:1	0.720	0.331	0.10	14.36	15.70	1.361	0.980	0.451	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 25	132072/1720	1:1	0.330	0.179	0.02	14.75	15.70	1.245	0.411	0.223	22.1
Left tilted	20	QPSK	50 25	132072/1720	1:1	0.453	0.243	0.06	14.75	15.70	1.245	0.564	0.302	22.1
Right cheek	20	QPSK	50 25	132072/1720	1:1	0.533	0.231	0.07	14.75	15.70	1.245	0.663	0.287	22.1
Right tilted	20	QPSK	50 25	132072/1720	1:1	0.695	0.326	0.16	14.75	15.70	1.245	0.865	0.406	22.1
Right tilted	20	QPSK	50 50	132322/1745	1:1	0.718	0.331	0.13	14.68	15.70	1.265	0.908	0.419	22.1
Right tilted	20	QPSK	50 0	132572/1770	1:1	0.739	0.339	0.11	14.68	15.70	1.265	0.935	0.429	22.1
Head Test Data(100%RB)														
Right tilted	20	QPSK	100 0	132072/1720	1:1	0.691	0.323	0.16	14.67	15.70	1.268	0.876	0.409	22.1
Head Test Data at the worst case with Battery 2#														
Right tilted	20	QPSK	1 0	132572/1770	1:1	0.696	0.320	0.10	14.36	15.70	1.361	0.948	0.436	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1 50	132072/1720	1:1	0.111	0.066	0.14	17.79	18.50	1.178	0.131	0.078	22.1
Back side	20	QPSK	1 50	132072/1720	1:1	0.149	0.088	-0.07	17.79	18.50	1.178	0.175	0.104	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50 25	132072/1720	1:1	0.118	0.070	0.07	17.80	18.50	1.175	0.139	0.082	22.1
Back side	20	QPSK	50 25	132072/1720	1:1	0.158	0.093	0.10	17.80	18.50	1.175	0.186	0.109	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	50 25	132072/1720	1:1	0.157	0.092	0.11	17.80	18.50	1.175	0.184	0.108	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1 50	132072/1720	1:1	0.241	0.135	-0.09	17.79	18.50	1.178	0.284	0.159	22.1
Back side	20	QPSK	1 50	132072/1720	1:1	0.297	0.166	-0.04	17.79	18.50	1.178	0.350	0.195	22.1
Left side	20	QPSK	1 50	132072/1720	1:1	0.050	0.029	0.03	17.79	18.50	1.178	0.058	0.034	22.1
Top side	20	QPSK	1 50	132072/1720	1:1	0.388	0.208	-0.08	17.79	18.50	1.178	0.457	0.245	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50 25	132072/1720	1:1	0.253	0.141	-0.08	17.80	18.50	1.175	0.297	0.166	22.1
Back side	20	QPSK	50 25	132072/1720	1:1	0.314	0.175	0.09	17.80	18.50	1.175	0.369	0.206	22.1
Left side	20	QPSK	50 25	132072/1720	1:1	0.046	0.027	0.02	17.80	18.50	1.175	0.054	0.032	22.1
Top side	20	QPSK	50 25	132072/1720	1:1	0.408	0.218	-0.05	17.80	18.50	1.175	0.479	0.256	22.1
Body Test Data at the worst case with Battery 2#														
Top side	20	QPSK	50 25	132072/1720	1:1	0.401	0.214	-0.11	17.80	18.50	1.175	0.471	0.251	22.1
Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(℃)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left tilted	20	QPSK	1 0	132322/1745	1:1	0.318	0.167	-0.03	13.05	14.00	1.245	0.396	0.208	22.1
Right tilted	20	QPSK	1 0	132322/1745	1:1	0.473	0.218	0.02	13.05	14.00	1.245	0.589	0.271	22.1
Head Test Data(50%RB)														
Left tilted	20	QPSK	50 25	132072/1720	1:1	0.303	0.162	-0.05	13.13	14.00	1.222	0.370	0.198	22.1
Right tilted	20	QPSK	50 25	132072/1720	1:1	0.468	0.219	0.06	13.13	14.00	1.222	0.572	0.268	22.1

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Ant 2 Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G Receiver on/ WWAN+WLAN 2.4G(Chain1)+BT Receiver on/WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on)														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left tilted	20	QPSK	1 0	132322/1745	1:1	0.401	0.212	-0.11	14.06	15.00	1.242	0.498	0.263	22.1
Right tilted	20	QPSK	1 0	132322/1745	1:1	0.600	0.275	0.03	14.06	15.00	1.242	0.745	0.341	22.1
Head Test Data(50%RB)														
Left tilted	20	QPSK	50 25	132072/1720	1:1	0.383	0.202	0.10	14.15	15.00	1.216	0.466	0.246	22.1
Right tilted	20	QPSK	50 25	132072/1720	1:1	0.588	0.273	0.05	14.15	15.00	1.216	0.715	0.332	22.1
Ant 3 Test Record														
Test position	Test mode			Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
	BW	Modulation	RB Size_ RB offset											
Head Test Data(1RB)														
Left cheek	20	QPSK	1 0	132072/1720	1:1	0.026	0.018	0.01	22.68	23.20	1.127	0.029	0.020	22.1
Left tilted	20	QPSK	1 0	132072/1720	1:1	0.032	0.020	0.05	22.68	23.20	1.127	0.036	0.022	22.1
Right cheek	20	QPSK	1 0	132072/1720	1:1	0.082	0.055	-0.01	22.68	23.20	1.127	0.093	0.062	22.1
Right tilted	20	QPSK	1 0	132072/1720	1:1	0.040	0.024	-0.14	22.68	23.20	1.127	0.045	0.027	22.1
Head Test Data(50%RB)														
Left cheek	20	QPSK	50 0	132322/1745	1:1	0.018	0.012	0.08	21.71	22.20	1.119	0.020	0.013	22.1
Left tilted	20	QPSK	50 0	132322/1745	1:1	0.025	0.015	-0.04	21.71	22.20	1.119	0.028	0.017	22.1
Right cheek	20	QPSK	50 0	132322/1745	1:1	0.047	0.030	0.06	21.71	22.20	1.119	0.052	0.034	22.1
Right tilted	20	QPSK	50 0	132322/1745	1:1	0.031	0.019	0.00	21.71	22.20	1.119	0.035	0.021	22.1
Head Test Data at the worst case with Battery 2#														
Right cheek	20	QPSK	1 0	132072/1720	1:1	0.080	0.054	-0.06	22.68	23.20	1.127	0.091	0.061	22.1
Body worn Test data(Separate 15mm 1RB)														
Front side	20	QPSK	1 0	132072/1720	1:1	0.068	0.043	0.02	22.68	23.20	1.127	0.076	0.049	22.1
Back side	20	QPSK	1 0	132072/1720	1:1	0.079	0.054	0.09	22.68	23.20	1.127	0.089	0.061	22.1
Body worn Test data(Separate 15mm 50%RB)														
Front side	20	QPSK	50 0	132322/1745	1:1	0.034	0.022	0.06	21.71	22.20	1.119	0.038	0.025	22.1
Back side	20	QPSK	50 0	132322/1745	1:1	0.038	0.025	0.02	21.71	22.20	1.119	0.043	0.028	22.1
Body worn Test data at the worst case with Battery 2#														
Back side	20	QPSK	1 0	132072/1720	1:1	0.078	0.053	0.08	22.68	23.20	1.127	0.087	0.060	22.1
Hotspot Test data(Separate 10mm 1RB)														
Front side	20	QPSK	1 0	132072/1720	1:1	0.101	0.064	0.00	22.68	23.20	1.127	0.114	0.072	22.1
Back side	20	QPSK	1 0	132072/1720	1:1	0.108	0.069	0.03	22.68	23.20	1.127	0.122	0.078	22.1
Left side	20	QPSK	1 0	132072/1720	1:1	0.016	0.010	0.00	22.68	23.20	1.127	0.018	0.011	22.1
Right side	20	QPSK	1 0	132072/1720	1:1	0.074	0.045	0.03	22.68	23.20	1.127	0.083	0.051	22.1
Bottom side	20	QPSK	1 0	132072/1720	1:1	0.118	0.063	-0.13	22.68	23.20	1.127	0.133	0.071	22.1
Hotspot Test data(Separate 10mm 50%RB)														
Front side	20	QPSK	50 0	132322/1745	1:1	0.061	0.035	0.09	21.71	22.20	1.119	0.068	0.039	22.1
Back side	20	QPSK	50 0	132322/1745	1:1	0.057	0.032	0.08	21.71	22.20	1.119	0.064	0.036	22.1
Left side	20	QPSK	50 0	132322/1745	1:1	0.012	0.007	0.09	21.71	22.20	1.119	0.014	0.008	22.1
Right side	20	QPSK	50 0	132322/1745	1:1	0.059	0.036	-0.17	21.71	22.20	1.119	0.066	0.040	22.1
Bottom side	20	QPSK	50 0	132322/1745	1:1	0.082	0.043	0.06	21.71	22.20	1.119	0.092	0.048	22.1
Body Test Data at the worst case with Battery 2#														
Bottom side	20	QPSK	1 0	132072/1720	1:1	0.117	0.062	0.03	22.68	23.20	1.127	0.132	0.070	22.1

Table 39: SAR of LTE Band 66 for Head and Body.

Note:

- 1) The maximum measured SAR value and Scaled SAR value are 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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8.4.4 SAR Result of WIFI 2.4G

Ant8(chain1) Test Record													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data													
Left cheek	802.11g	6/2437	97.71%	1.023	0.030	0.015	-0.01	18.31	19.50	1.315	0.040	0.020	22
Left tilted	802.11g	6/2437	97.71%	1.023	0.042	0.020	0.04	18.31	19.50	1.315	0.056	0.027	22
Right cheek	802.11g	6/2437	97.71%	1.023	0.040	0.027	-0.04	18.31	19.50	1.315	0.054	0.036	22
Right tilted	802.11g	6/2437	97.71%	1.023	0.091	0.035	0.15	18.31	19.50	1.315	0.122	0.047	22
Head Test Data at the worst case with Battery 2#													
Right tilted	802.11g	6/2437	97.71%	1.023	0.086	0.033	0.11	18.31	19.50	1.315	0.115	0.044	22
Body worn Test data(Separate 15mm)													
Front side	802.11g	6/2437	97.71%	1.023	0.003	0.002	-0.15	18.31	19.50	1.315	0.004	0.002	22
Back side	802.11g	6/2437	97.71%	1.023	0.029	0.015	-0.13	18.31	19.50	1.315	0.040	0.020	22
Body worn Test data at the worst case with Battery 2#(Separate 15mm)													
Back side	802.11g	6/2437	97.71%	1.023	0.028	0.014	-0.02	18.31	19.50	1.315	0.037	0.019	22
Hotspot Test data (Separate 10mm)													
Front side	802.11g	6/2437	97.71%	1.023	0.007	0.003	-0.08	18.31	19.50	1.315	0.009	0.004	22
Back side	802.11g	6/2437	97.71%	1.023	0.071	0.035	-0.03	18.31	19.50	1.315	0.095	0.047	22
Left side	802.11g	6/2437	97.71%	1.023	0.005	0.002	0.00	18.31	19.50	1.315	0.006	0.003	22
Right side	802.11g	6/2437	97.71%	1.023	0.002	0.001	0.09	18.31	19.50	1.315	0.003	0.001	22
Top side	802.11g	6/2437	97.71%	1.023	0.045	0.020	0.11	18.31	19.50	1.315	0.060	0.027	22
Body Test Data at the worst case with Battery 2#(Separate 10mm)													
Back side	802.11g	6/2437	97.71%	1.023	0.067	0.033	0.14	18.31	19.50	1.315	0.090	0.044	22
Ant9(chain0) Test Record													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data													
Left cheek	802.11b	11/2462	99.47%	1.005	0.588	0.265	-0.15	14.32	15.50	1.312	0.776	0.350	22
Left tilted	802.11b	11/2462	99.47%	1.005	0.599	0.254	-0.07	14.32	15.50	1.312	0.790	0.335	22
Right cheek	802.11b	11/2462	99.47%	1.005	0.240	0.123	-0.09	14.32	15.50	1.312	0.317	0.162	22
Right tilted	802.11b	11/2462	99.47%	1.005	0.292	0.128	-0.13	14.32	15.50	1.312	0.385	0.169	22
Head Test Data at the worst case with Battery 2#													
Left tilted	802.11b	11/2462	99.47%	1.005	0.567	0.241	-0.11	14.32	15.50	1.312	0.748	0.318	22
Body worn Test data(Separate 15mm)													
Front side	802.11b	11/2462	99.47%	1.005	0.159	0.086	-0.13	18.81	20.00	1.315	0.210	0.114	22
Back side	802.11b	11/2462	99.47%	1.005	0.135	0.069	-0.19	18.81	20.00	1.315	0.178	0.092	22
Body worn Test data at the worst case with Battery 2#(Separate 15mm)													
Front side	802.11b	11/2462	99.47%	1.005	0.150	0.082	-0.19	18.81	20.00	1.315	0.198	0.108	22
Hotspot Test data (Separate 10mm)													
Front side	802.11b	11/2462	99.47%	1.005	0.257	0.131	0.06	18.90	20.00	1.288	0.333	0.170	22
Back side	802.11b	11/2462	99.47%	1.005	0.339	0.167	0.06	18.90	20.00	1.288	0.439	0.216	22
Right side	802.11b	11/2462	99.47%	1.005	0.175	0.078	0.11	18.90	20.00	1.288	0.227	0.102	22
Top side	802.11b	11/2462	99.47%	1.005	0.347	0.170	-0.05	18.90	20.00	1.288	0.449	0.220	22
Body Test Data at the worst case with Battery 2#(Separate 10mm)													
Top side	802.11b	11/2462	99.47%	1.005	0.329	0.161	-0.05	18.90	20.00	1.288	0.426	0.209	22
Ant9(chain0) Additional Test data(simultaneous transmission with WWAN+WWAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 2.4G Receiver on)													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data													
Left cheek	802.11b	11/2462	99.47%	1.005	0.398	0.179	-0.11	12.80	13.80	1.259	0.504	0.227	22
Left tilted	802.11b	11/2462	99.47%	1.005	0.405	0.172	0.03	12.80	13.80	1.259	0.513	0.218	22
Right cheek	802.11b	11/2462	99.47%	1.005	0.162	0.083	0.08	12.80	13.80	1.259	0.205	0.105	22

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Right tilted	802.11b	11/2462	99.47%	1.005	0.197	0.087	0.09	12.80	13.80	1.259	0.249	0.110	22
Ant9(chain0) Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/WWAN+WLAN 2.4G Receiver off)													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Hotspot Test data (Separate 10mm)													
Front side	802.11b	11/2462	99.47%	1.005	0.162	0.083	0.15	16.97	18.00	1.268	0.206	0.106	22
Back side	802.11b	11/2462	99.47%	1.005	0.214	0.105	0.06	16.97	18.00	1.268	0.273	0.134	22
Right side	802.11b	11/2462	99.47%	1.005	0.110	0.049	0.14	16.97	18.00	1.268	0.140	0.062	22
Top side	802.11b	11/2462	99.47%	1.005	0.219	0.107	-0.03	16.97	18.00	1.268	0.279	0.136	22
MIMO Test Record													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data													
Left cheek	802.11g	11/2462	97.62%	1.024	0.577	0.259	0.02	16.72	18.00	1.343	0.794	0.356	22
Left tilted	802.11g	11/2462	97.62%	1.024	0.554	0.236	0.02	16.72	18.00	1.343	0.762	0.325	22
Right cheek	802.11g	11/2462	97.62%	1.024	0.242	0.119	0.06	16.72	18.00	1.343	0.333	0.164	22
Right tilted	802.11g	11/2462	97.62%	1.024	0.256	0.121	0.09	16.72	18.00	1.343	0.352	0.166	22
Head Test Data at the worst case with Battery 2#													
Left cheek	802.11g	11/2462	97.62%	1.024	0.546	0.245	0.09	16.72	18.00	1.343	0.751	0.337	22
Body worn Test data (Separate 15mm)													
Front side	802.11g	11/2462	97.62%	1.024	0.136	0.074	0.04	21.17	22.50	1.358	0.189	0.102	22
Back side	802.11g	11/2462	97.62%	1.024	0.124	0.065	-0.03	21.17	22.50	1.358	0.173	0.091	22
Body worn Test data at the worst case with Battery 2# (Separate 15mm)													
Front side	802.11g	11/2462	97.62%	1.024	0.129	0.070	0.07	21.17	22.50	1.358	0.179	0.097	22
Hotspot Test data (Separate 10mm)													
Front side	802.11g	11/2462	97.62%	1.024	0.220	0.112	0.02	21.17	22.50	1.358	0.306	0.156	22
Back side	802.11g	11/2462	97.62%	1.024	0.282	0.142	-0.03	21.17	22.50	1.358	0.392	0.198	22
Left side	802.11g	11/2462	97.62%	1.024	0.042	0.021	-0.01	21.17	22.50	1.358	0.058	0.030	22
Right side	802.11g	11/2462	97.62%	1.024	0.121	0.052	0.15	21.17	22.50	1.358	0.168	0.072	22
Top side	802.11g	11/2462	97.62%	1.024	0.397	0.200	0.06	21.17	22.50	1.358	0.552	0.278	22
Body Test Data at the worst case with Battery 2# (Separate 10mm)													
Top side	802.11g	11/2462	97.62%	1.024	0.376	0.189	0.11	21.17	22.50	1.358	0.523	0.263	22
MIMO Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G Receiver on)													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data													
Left cheek	802.11g	11/2462	97.62%	1.024	0.390	0.175	0.01	14.86	16.30	1.393	0.557	0.250	22
Left tilted	802.11g	11/2462	97.62%	1.024	0.375	0.160	0.06	14.86	16.30	1.393	0.535	0.228	22
Right cheek	802.11g	11/2462	97.62%	1.024	0.164	0.080	-0.03	14.86	16.30	1.393	0.234	0.114	22
Right tilted	802.11g	11/2462	97.62%	1.024	0.173	0.082	0.02	14.86	16.30	1.393	0.247	0.117	22

Table 40: SAR of WIFI 2.4G for Head and Body.

Note:

- The maximum measured SAR value and Scaled SAR value are marked in bold. Graph results refer to Appendix B.
- Each channel was tested at the lowest data rate.
- Per KDB248227 D01, for SAR test of WiFi 2.4G,
 - SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure.
 - As the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

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8.4.1 SAR Result of WIFI 5G

Ant6(chain0) Test Record													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data of U-NII-2A													
Left cheek	802.11a	64/5320	98.00%	1.020	0.235	0.076	0.06	18.21	19.50	1.346	0.323	0.104	22.2
Left tilted	802.11a	64/5320	98.00%	1.020	0.032	0.016	0.07	18.21	19.50	1.346	0.044	0.021	22.2
Right cheek	802.11a	64/5320	98.00%	1.020	0.125	0.043	0.00	18.21	19.50	1.346	0.172	0.059	22.2
Right tilted	802.11a	64/5320	98.00%	1.020	0.026	0.010	0.00	18.21	19.50	1.346	0.036	0.014	22.2
Head Test data of U-NII-2C													
Left cheek	802.11a	116/5580	98.00%	1.020	0.121	0.033	0.00	18.29	19.50	1.321	0.163	0.045	22.2
Left tilted	802.11a	116/5580	98.00%	1.020	0.016	0.006	0.00	18.29	19.50	1.321	0.022	0.008	22.2
Right cheek	802.11a	116/5580	98.00%	1.020	0.064	0.021	0.00	18.29	19.50	1.321	0.086	0.028	22.2
Right tilted	802.11a	116/5580	98.00%	1.020	0.021	0.008	-0.02	18.29	19.50	1.321	0.029	0.010	22.2
Head Test data of U-NII-3													
Left cheek	802.11ac 80M	155/5775	85.76%	1.166	0.191	0.067	0.02	10.90	12.50	1.445	0.322	0.112	22.2
Left tilted	802.11ac 80M	155/5775	85.76%	1.166	0.051	0.017	0.03	10.90	12.50	1.445	0.086	0.028	22.2
Right cheek	802.11ac 80M	155/5775	85.76%	1.166	0.067	0.024	0.00	10.90	12.50	1.445	0.113	0.040	22.2
Right tilted	802.11ac 80M	155/5775	85.76%	1.166	0.019	0.007	0.00	10.90	12.50	1.445	0.032	0.011	22.2
Head Test Data at the worst case with Battery 2#													
Left cheek	802.11a	64/5320	98.00%	1.020	0.233	0.075	0.01	18.21	19.50	1.346	0.320	0.103	22.2
Body worn Test data of U-NII-2A (Separate 15mm)													
Front side	802.11a	64/5320	98.00%	1.020	0.027	0.011	0.00	18.21	19.50	1.346	0.037	0.014	22.2
Back side	802.11a	64/5320	98.00%	1.020	0.334	0.108	0.04	18.21	19.50	1.346	0.459	0.148	22.2
Body worn Test data of U-NII-2C (Separate 15mm)													
Front side	802.11a	116/5580	98.00%	1.020	0.016	0.006	0.07	18.29	19.50	1.321	0.021	0.008	22.2
Back side	802.11a	116/5580	98.00%	1.020	0.116	0.032	0.01	18.29	19.50	1.321	0.156	0.044	22.2
Body worn Test data of U-NII-3 (Separate 15mm)													
Front side	802.11ac 80M	155/5775	85.76%	1.166	0.006	0.002	0.00	11.96	13.50	1.426	0.010	0.003	22.2
Back side	802.11ac 80M	155/5775	85.76%	1.166	0.186	0.062	0.00	11.96	13.50	1.426	0.309	0.103	22.2
Body worn Test Data at the worst case with Battery 2#													
Back side	802.11a	64/5320	98.00%	1.020	0.331	0.108	0.15	18.21	19.50	1.346	0.455	0.148	22.2
Hotspot Test data of U-NII-1 (Separate 10mm)													
Front side	802.11a	40/5200	98.00%	1.020	0.016	0.005	0.02	18.17	19.50	1.358	0.022	0.007	22.2
Back side	802.11a	40/5200	98.00%	1.020	0.397	0.127	0.06	18.17	19.50	1.358	0.550	0.176	22.2
Right side	802.11a	40/5200	98.00%	1.020	0.034	0.012	0.00	18.17	19.50	1.358	0.047	0.016	22.2
Hotspot Test data of U-NII-3 (Separate 10mm)													
Front side	802.11ac 80M	155/5775	85.76%	1.166	0.013	0.004	0.00	11.96	13.50	1.426	0.021	0.006	22.2
Back side	802.11ac 80M	155/5775	85.76%	1.166	0.262	0.069	0.00	11.96	13.50	1.426	0.436	0.115	22.2
Right side	802.11ac 80M	155/5775	85.76%	1.166	0.103	0.033	0.02	11.96	13.50	1.426	0.171	0.056	22.2
Hotspot Test Data at the worst case with Battery 2#													
Back side	802.11a	40/5200	98.00%	1.020	0.392	0.126	0.04	18.17	19.50	1.358	0.543	0.175	22.2
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data of U-NII-2A (Separate 0mm)													
Front side	802.11a	64/5320	98.00%	1.020	0.193	0.061	0.00	18.21	19.50	1.346	0.265	0.083	22.2
Back side	802.11a	64/5320	98.00%	1.020	6.240	1.100	0.10	18.21	19.50	1.346	8.570	1.511	22.2
Right side	802.11a	64/5320	98.00%	1.020	1.330	0.307	0.06	18.21	19.50	1.346	1.827	0.422	22.2
Product specific 10g SAR Test data of U-NII-2C (Separate 0mm)													
Front side	802.11a	116/5580	98.00%	1.020	0.080	0.025	0.00	18.29	19.50	1.321	0.107	0.033	22.2
Back side	802.11a	116/5580	98.00%	1.020	4.590	0.778	0.01	18.29	19.50	1.321	6.189	1.049	22.2
Right side	802.11a	116/5580	98.00%	1.020	1.210	0.314	0.06	18.29	19.50	1.321	1.631	0.423	22.2
Product specific 10g SAR Test Data at the worst case with Battery 2#													
Back side	802.11a	64/5320	98.00%	1.020	6.190	1.090	0.06	18.21	19.50	1.346	8.501	1.497	22.2

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Ant9(chain1) Test Record													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data of U-NII-2A													
Left cheek	802.11a	52/5260	97.62%	1.024	0.549	0.161	0.06	12.15	13.10	1.245	0.700	0.205	22.2
Left tilted	802.11a	52/5260	97.62%	1.024	0.539	0.160	-0.01	12.15	13.10	1.245	0.687	0.204	22.2
Right cheek	802.11a	52/5260	97.62%	1.024	0.298	0.105	-0.09	12.15	13.10	1.245	0.380	0.134	22.2
Right tilted	802.11a	52/5260	97.62%	1.024	0.345	0.121	0.02	12.15	13.10	1.245	0.440	0.154	22.2
Head Test data of U-NII-2C													
Left cheek	802.11a	116/5580	97.62%	1.024	0.423	0.130	-0.03	12.41	13.10	1.172	0.508	0.156	22.2
Left tilted	802.11a	116/5580	97.62%	1.024	0.359	0.107	-0.09	12.41	13.10	1.172	0.431	0.128	22.2
Right cheek	802.11a	116/5580	97.62%	1.024	0.203	0.071	-0.02	12.41	13.10	1.172	0.244	0.086	22.2
Right tilted	802.11a	116/5580	97.62%	1.024	0.218	0.076	0.04	12.41	13.10	1.172	0.262	0.091	22.2
Head Test data of U-NII-3													
Left cheek	802.11ac 80M	155/5775	86.16%	1.161	0.374	0.109	0.06	12.47	12.50	1.007	0.437	0.127	22.2
Left tilted	802.11ac 80M	155/5775	86.16%	1.161	0.335	0.098	-0.01	12.47	12.50	1.007	0.392	0.114	22.2
Right cheek	802.11ac 80M	155/5775	86.16%	1.161	0.163	0.058	-0.01	12.47	12.50	1.007	0.191	0.068	22.2
Right tilted	802.11ac 80M	155/5775	86.16%	1.161	0.179	0.063	-0.08	12.47	12.50	1.007	0.209	0.073	22.2
Head Test Data at the worst case with Battery 2#													
Left cheek	802.11a	52/5260	97.62%	1.024	0.541	0.158	0.01	12.15	13.10	1.245	0.690	0.201	22.2
Body worn Test data of U-NII-2A (Separate 15mm)													
Front side	802.11a	60/5300	97.62%	1.024	0.220	0.090	-0.01	17.76	18.50	1.186	0.267	0.109	22.2
Back side	802.11a	60/5300	97.62%	1.024	0.342	0.136	0.06	17.76	18.50	1.186	0.415	0.165	22.2
Body worn Test data of U-NII-2C (Separate 15mm)													
Front side	802.11a	140/5700	97.62%	1.024	0.143	0.054	0.03	17.95	18.50	1.135	0.166	0.063	22.2
Back side	802.11a	140/5700	97.62%	1.024	0.250	0.100	-0.06	17.95	18.50	1.135	0.291	0.116	22.2
Body worn Test data of U-NII-3 (Separate 15mm)													
Front side	802.11ac 80M	155/5775	86.16%	1.161	0.045	0.017	0.00	13.47	13.50	1.007	0.052	0.019	22.2
Back side	802.11ac 80M	155/5775	86.16%	1.161	0.064	0.025	-0.06	13.47	13.50	1.007	0.075	0.029	22.2
Body worn Test Data at the worst case with Battery 2#													
Back side	802.11a	60/5300	97.62%	1.024	0.335	0.133	0.08	17.76	18.50	1.186	0.407	0.162	22.2
Hotspot Test data of U-NII-1 (Separate 10mm)													
Front side	802.11a	48/5240	97.62%	1.024	0.367	0.141	-0.09	17.70	18.50	1.202	0.452	0.174	22.2
Back side	802.11a	48/5240	97.62%	1.024	0.520	0.185	0.06	17.70	18.50	1.202	0.640	0.228	22.2
Right side	802.11a	48/5240	97.62%	1.024	0.186	0.079	-0.09	17.70	18.50	1.202	0.229	0.097	22.2
Top side	802.11a	48/5240	97.62%	1.024	0.542	0.236	0.10	17.70	18.50	1.202	0.668	0.291	22.2
Hotspot Test data of U-NII-3 (Separate 10mm)													
Front side	802.11ac 80M	155/5775	86.16%	1.161	0.080	0.028	-0.06	13.47	13.50	1.007	0.093	0.033	22.2
Back side	802.11ac 80M	155/5775	86.16%	1.161	0.143	0.052	0.09	13.47	13.50	1.007	0.167	0.061	22.2
Right side	802.11ac 80M	155/5775	86.16%	1.161	0.036	0.014	-0.09	13.47	13.50	1.007	0.042	0.016	22.2
Top side	802.11ac 80M	155/5775	86.16%	1.161	0.095	0.037	-0.02	13.47	13.50	1.007	0.111	0.043	22.2
Hotspot Test Data at the worst case with Battery 2#													
Top side	802.11a	48/5240	97.62%	1.024	0.535	0.204	0.06	17.70	18.50	1.202	0.659	0.251	22.2
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data of U-NII-2A (Separate 0mm)													
Front side	802.11a	60/5300	97.62%	1.024	6.090	1.470	-0.08	17.76	18.50	1.186	7.397	1.786	22.2
Back side	802.11a	60/5300	97.62%	1.024	3.310	0.982	0.01	17.76	18.50	1.186	4.021	1.193	22.2
Right side	802.11a	60/5300	97.62%	1.024	1.070	0.378	0.04	17.76	18.50	1.186	1.300	0.459	22.2
Top side	802.11a	60/5300	97.62%	1.024	7.890	1.870	0.07	17.76	18.50	1.186	9.584	2.271	22.2
Top side	802.11a	52/5260	97.62%	1.024	7.010	1.650	0.02	17.60	18.50	1.230	8.835	2.079	22.2
Product specific 10g SAR Test data of U-NII-2C (Separate 0mm)													
Front side	802.11a	140/5700	97.62%	1.024	2.960	0.778	0.04	17.95	18.50	1.135	3.442	0.905	22.2
Back side	802.11a	140/5700	97.62%	1.024	2.880	0.785	0.01	17.95	18.50	1.135	3.349	0.913	22.2
Right side	802.11a	140/5700	97.62%	1.024	0.495	0.151	-0.04	17.95	18.50	1.135	0.576	0.176	22.2
Top side	802.11a	140/5700	97.62%	1.024	4.430	1.060	0.09	17.95	18.50	1.135	5.151	1.232	22.2

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Product specific 10g SAR Test Data at the worst case with Battery 2#													
Top side	802.11a	60/5300	97.62%	1.024	7.730	1.830	0.12	17.76	18.50	1.186	9.390	2.223	22.2
Ant9(chain1) Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on/ WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on)													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data of U-NII-2A													
Left cheek	802.11a	52/5260	97.62%	1.024	0.340	0.102	-0.03	10.49	11.30	1.205	0.420	0.126	22.2
Left tilted	802.11a	52/5260	97.62%	1.024	0.356	0.106	0.06	10.49	11.30	1.205	0.439	0.131	22.2
Right cheek	802.11a	52/5260	97.62%	1.024	0.176	0.058	0.09	10.49	11.30	1.205	0.217	0.072	22.2
Right tilted	802.11a	52/5260	97.62%	1.024	0.228	0.080	0.13	10.49	11.30	1.205	0.281	0.099	22.2
Head Test data of U-NII-2C													
Left cheek	802.11a	116/5580	97.62%	1.024	0.279	0.086	0.18	10.82	11.30	1.117	0.319	0.098	22.2
Left tilted	802.11a	116/5580	97.62%	1.024	0.237	0.071	-0.09	10.82	11.30	1.117	0.271	0.081	22.2
Right cheek	802.11a	116/5580	97.62%	1.024	0.134	0.047	0.07	10.82	11.30	1.117	0.153	0.054	22.2
Right tilted	802.11a	116/5580	97.62%	1.024	0.144	0.050	-0.03	10.82	11.30	1.117	0.165	0.057	22.2
Head Test data of U-NII-3													
Left cheek	802.11ac 80M	155/5775	86.16%	1.161	0.265	0.077	-0.05	10.96	11.00	1.009	0.310	0.090	22.2
Left tilted	802.11ac 80M	155/5775	86.16%	1.161	0.237	0.069	0.03	10.96	11.00	1.009	0.278	0.081	22.2
Right cheek	802.11ac 80M	155/5775	86.16%	1.161	0.115	0.041	0.09	10.96	11.00	1.009	0.135	0.048	22.2
Right tilted	802.11ac 80M	155/5775	86.16%	1.161	0.127	0.044	0.10	10.96	11.00	1.009	0.149	0.052	22.2
Ant9(chain1) Additional Test data(simultaneous transmission with WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off/ WWAN+WLAN 5G Receiver off/WWAN+WLAN 5G+BT Receiver off)													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Hotspot Test data of U-NII-1(Separate 10mm)													
Back side	802.11a	48/5240	97.62%	1.024	0.418	0.143	-0.11	16.59	17.60	1.262	0.540	0.185	22.2
Top side	802.11a	48/5240	97.62%	1.024	0.432	0.187	0.06	16.59	17.60	1.262	0.558	0.242	22.2
MIMO Test Record													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data of U-NII-2A													
Left cheek	802.11a	52/5260	97.27%	1.028	0.573	0.161	0.01	14.97	16.10	1.297	0.764	0.215	22.2
Left tilted	802.11a	52/5260	97.27%	1.028	0.544	0.168	0.02	14.97	16.10	1.297	0.725	0.224	22.2
Right cheek	802.11a	52/5260	97.27%	1.028	0.250	0.016	-0.04	14.97	16.10	1.297	0.333	0.021	22.2
Right tilted	802.11a	52/5260	97.27%	1.028	0.338	0.118	0.05	14.97	16.10	1.297	0.451	0.157	22.2
Head Test data of U-NII-2C													
Left cheek	802.11a	116/5580	97.27%	1.028	0.387	0.113	0.01	15.11	16.10	1.256	0.500	0.146	22.2
Left tilted	802.11a	116/5580	97.27%	1.028	0.327	0.100	0.01	15.11	16.10	1.256	0.422	0.129	22.2
Right cheek	802.11a	116/5580	97.27%	1.028	0.182	0.064	0.04	15.11	16.10	1.256	0.235	0.082	22.2
Right tilted	802.11a	116/5580	97.27%	1.028	0.198	0.069	0.05	15.11	16.10	1.256	0.256	0.089	22.2
Head Test data of U-NII-3													
Left cheek	802.11ac 80M	155/5775	85.66%	1.167	0.338	0.093	0.04	14.77	15.50	1.183	0.467	0.129	22.2
Left tilted	802.11ac 80M	155/5775	85.66%	1.167	0.291	0.084	0.07	14.77	15.50	1.183	0.402	0.115	22.2
Right cheek	802.11ac 80M	155/5775	85.66%	1.167	0.154	0.054	0.04	14.77	15.50	1.183	0.213	0.074	22.2
Right tilted	802.11ac 80M	155/5775	85.66%	1.167	0.171	0.060	0.04	14.77	15.50	1.183	0.236	0.083	22.2
Head Test Data at the worst case with Battery 2#													
Left cheek	802.11a	52/5260	97.27%	1.028	0.566	0.159	0.06	14.97	16.10	1.297	0.755	0.212	22.2
Body worn Test data of U-NII-2A (Separate 15mm)													
Front side	802.11a	60/5300	97.27%	1.028	0.155	0.062	0.01	20.49	21.50	1.262	0.201	0.081	22.2
Back side	802.11a	60/5300	97.27%	1.028	0.430	0.154	0.06	20.49	21.50	1.262	0.558	0.200	22.2
Body worn Test data of U-NII-2C(Separate 15mm)													
Front side	802.11a	140/5700	97.27%	1.028	0.102	0.038	-0.04	20.60	21.50	1.230	0.129	0.049	22.2
Back side	802.11a	140/5700	97.27%	1.028	0.240	0.085	0.09	20.60	21.50	1.230	0.304	0.108	22.2

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Body worn Test data of U-NII-3(Separate 15mm)													
Front side	802.11ac 80M	155/5775	85.66%	1.167	0.039	0.014	0.00	15.79	16.50	1.178	0.053	0.019	22.2
Back side	802.11ac 80M	155/5775	85.66%	1.167	0.129	0.046	0.00	15.79	16.50	1.178	0.177	0.063	22.2
Body worn Test Data at the worst case with Battery 2#													
Back side	802.11a	60/5300	97.27%	1.028	0.424	0.152	0.11	20.49	21.50	1.262	0.550	0.197	22.2
Hotspot Test data of U-NII-1(Separate 10mm)													
Front side	802.11a	48/5240	97.27%	1.028	0.180	0.072	0.08	20.42	21.50	1.282	0.237	0.095	22.2
Back side	802.11a	48/5240	97.27%	1.028	0.538	0.174	0.02	20.42	21.50	1.282	0.709	0.229	22.2
Left side	802.11a	48/5240	97.27%	1.028	0.074	0.032	-0.18	20.42	21.50	1.282	0.097	0.042	22.2
Right side	802.11a	48/5240	97.27%	1.028	0.233	0.086	-0.09	20.42	21.50	1.282	0.307	0.113	22.2
Top side	802.11a	48/5240	97.27%	1.028	0.467	0.188	0.04	20.42	21.50	1.282	0.616	0.248	22.2
Hotspot Test data of U-NII-3 (Separate 10mm)													
Front side	802.11ac 80M	155/5775	85.66%	1.167	0.082	0.026	-0.17	15.79	16.50	1.178	0.113	0.036	22.2
Back side	802.11ac 80M	155/5775	85.66%	1.167	0.255	0.077	-0.01	15.79	16.50	1.178	0.351	0.106	22.2
Left side	802.11ac 80M	155/5775	85.66%	1.167	0.014	0.001	0.00	15.79	16.50	1.178	0.019	0.001	22.2
Right side	802.11ac 80M	155/5775	85.66%	1.167	0.147	0.050	-0.03	15.79	16.50	1.178	0.202	0.068	22.2
Top side	802.11ac 80M	155/5775	85.66%	1.167	0.088	0.034	0.07	15.79	16.50	1.178	0.120	0.047	22.2
Hotspot Test Data at the worst case with Battery 2#													
Back side	802.11a	48/5240	97.27%	1.028	0.495	0.163	-0.06	20.42	21.50	1.282	0.653	0.215	22.2
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Product specific 10g SAR Test data of U-NII-2A(Separate 0mm)													
Front side	802.11a	60/5300	97.27%	1.028	5.460	1.270	-0.01	20.49	21.50	1.262	7.083	1.647	22.2
Back side	802.11a	60/5300	97.27%	1.028	4.250	1.140	-0.19	20.49	21.50	1.262	5.513	1.479	22.2
Left side	802.11a	60/5300	97.27%	1.028	0.216	0.083	0.04	20.49	21.50	1.262	0.280	0.108	22.2
Right side	802.11a	60/5300	97.27%	1.028	1.310	0.408	0.05	20.49	21.50	1.262	1.699	0.529	22.2
Top side	802.11a	60/5300	97.27%	1.028	6.360	1.610	0.08	20.49	21.50	1.262	8.250	2.089	22.2
Top side	802.11a	52/5260	97.27%	1.028	7.400	1.730	-0.05	20.41	21.50	1.285	9.778	2.286	22.2
Product specific 10g SAR Test data of U-NII-2C(Separate 0mm)													
Front side	802.11a	140/5700	97.27%	1.028	2.840	0.643	-0.04	20.60	21.50	1.230	3.592	0.813	22.2
Back side	802.11a	140/5700	97.27%	1.028	3.360	0.764	-0.17	20.60	21.50	1.230	4.250	0.966	22.2
Left side	802.11a	140/5700	97.27%	1.028	0.089	0.036	0.00	20.60	21.50	1.230	0.113	0.046	22.2
Right side	802.11a	140/5700	97.27%	1.028	1.310	0.348	0.07	20.60	21.50	1.230	1.657	0.440	22.2
Top side	802.11a	140/5700	97.27%	1.028	3.820	0.896	-0.11	20.60	21.50	1.230	4.832	1.133	22.2
Product specific 10g Test Data at the worst case with Battery 2#													
Top side	802.11a	52/5260	97.27%	1.028	6.420	1.580	-0.04	20.41	21.50	1.285	8.483	2.088	22.2
MIMO Additional Test data(simultaneous transmission with WWAN+WWAN 5G Receiver on/ WWAN+WWAN 5G+BT Receiver on)													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data of U-NII-2A													
Left cheek	802.11a	52/5260	97.27%	1.028	0.364	0.103	-0.11	13.47	14.30	1.211	0.453	0.128	22.2
Left tilted	802.11a	52/5260	97.27%	1.028	0.355	0.111	0.03	13.47	14.30	1.211	0.442	0.138	22.2
Right cheek	802.11a	52/5260	97.27%	1.028	0.165	0.011	0.07	13.47	14.30	1.211	0.205	0.014	22.2
Right tilted	802.11a	52/5260	97.27%	1.028	0.223	0.078	0.09	13.47	14.30	1.211	0.278	0.097	22.2
Head Test data of U-NII-2C													
Left cheek	802.11a	116/5580	97.27%	1.028	0.256	0.075	-0.05	13.77	14.30	1.130	0.297	0.087	22.2
Left tilted	802.11a	116/5580	97.27%	1.028	0.216	0.066	-0.06	13.77	14.30	1.130	0.251	0.077	22.2
Right cheek	802.11a	116/5580	97.27%	1.028	0.120	0.042	0.07	13.77	14.30	1.130	0.139	0.049	22.2
Right tilted	802.11a	116/5580	97.27%	1.028	0.131	0.045	0.09	13.77	14.30	1.130	0.152	0.052	22.2
Head Test data of U-NII-3													
Left cheek	802.11ac 80M	155/5775	85.66%	1.167	0.239	0.066	0.10	13.35	14.00	1.161	0.324	0.089	22.2
Left tilted	802.11ac 80M	155/5775	85.66%	1.167	0.206	0.059	0.03	13.35	14.00	1.161	0.279	0.080	22.2
Right cheek	802.11ac 80M	155/5775	85.66%	1.167	0.109	0.038	-0.02	13.35	14.00	1.161	0.148	0.052	22.2
Right tilted	802.11ac 80M	155/5775	85.66%	1.167	0.121	0.043	0.05	13.35	14.00	1.161	0.164	0.058	22.2

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MIMO Additional Test data(simultaneous transmission with WWAN+WLAN 5G Receiver off/ WWAN+WLAN 5G+BT Receiver off)													
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Hotspot Test data of U-NII-1(Separate 10mm)													
Back side	802.11a	48/5240	97.27%	1.028	0.437	0.141	-0.13	19.42	20.60	1.312	0.590	0.190	22.2
Top side	802.11a	48/5240	97.27%	1.028	0.380	0.153	0.11	19.42	20.60	1.312	0.513	0.206	22.2

Table 41: SAR of WIFI 5G for Head and Body.

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph Results refer to Appendix B
- 2) 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) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
- 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) Per KDB248227D01, as 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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8.4.2 SAR Result of BT

Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Head Test data													
Left cheek	DH5	39/2441	76.84%	1.301	0.367	0.173	-0.03	13.64	14.50	1.219	0.582	0.274	22
Left tilted	DH5	39/2441	76.84%	1.301	0.330	0.140	-0.05	13.64	14.50	1.219	0.524	0.222	22
Right cheek	DH5	39/2441	76.84%	1.301	0.195	0.093	0.03	13.64	14.50	1.219	0.309	0.147	22
Right tilted	DH5	39/2441	76.84%	1.301	0.180	0.083	-0.05	13.64	14.50	1.219	0.286	0.131	22
Head Test Data at the worst case with Battery 2#													
Left cheek	DH5	39/2441	76.84%	1.301	0.364	0.171	-0.02	13.64	14.50	1.219	0.577	0.271	22
Hotspot Test data (Separate 10mm)													
Front side	DH5	39/2441	76.84%	1.301	0.052	0.026	0.06	13.64	14.50	1.219	0.082	0.042	22
Back side	DH5	39/2441	76.84%	1.301	0.062	0.030	0.01	13.64	14.50	1.219	0.098	0.047	22
Right side	DH5	39/2441	76.84%	1.301	0.026	0.010	0.05	13.64	14.50	1.219	0.042	0.016	22
Top side	DH5	39/2441	76.84%	1.301	0.064	0.031	-0.02	13.64	14.50	1.219	0.102	0.049	22
Body Test Data at the worst case with Battery 2#(Separate 10mm)													
Top side	DH5	39/2441	76.84%	1.301	0.063	0.030	-0.03	13.64	14.50	1.219	0.100	0.048	22

Table 42: 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).

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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8.5 Multiple Transmitter Evaluation

8.5.1 Simultaneous SAR test evaluation

1) Simultaneous Transmission

NO.	Simultaneous Tx Combination	Head	Body
1	WWAN+WLAN 2.4GHz(chain0)	Yes	Yes
2	WWAN+WLAN 2.4GHz(chain1)	Yes	Yes
3	WWAN+WLAN 2.4GHz MIMO/CDD	Yes	Yes
4	WWAN+WLAN 5GHz(chain0)	Yes	Yes
5	WWAN+WLAN 5GHz(chain1)	Yes	Yes
6	WWAN+WLAN 5GHz MIMO/CDD	Yes	Yes
7	WWAN+BT	Yes	Yes
8	WWAN+WLAN 2.4GHz(chain0)+BT	N/A	N/A
9	WWAN+WLAN 2.4GHz(chain1)+BT	Yes	Yes
10	WWAN+WLAN 5GHz(chain0)+BT	Yes	Yes
11	WWAN+WLAN 5GHz(chain1)+BT	Yes	Yes
12	WWAN+WLAN 2.4GHz MIMO/CDD+BT	N/A	N/A
13	WWAN+WLAN 5GHz MIMO/CDD+BT	Yes	Yes
14	WWAN+WLAN 2.4GHz(chain0)+ WLAN 5GHz(chain1)	Yes	Yes
15	WWAN+WLAN 2.4GHz(chain1)+ WLAN 5GHz(chain0)	N/A	N/A
16	WWAN+WLAN 2.4GHz(chain1)+ WLAN 5GHz(chain1)	N/A	N/A
17	WWAN+WLAN 5GHz MIMO/CDD+ WLAN 2.4GHz(chain1)	N/A	N/A
18	WWAN+WLAN 2.4GHz MIMO/CDD+ WLAN 5GHz(chain1)	N/A	N/A
19	WWAN+WLAN 2.4GHz(chain0)+ WLAN 5GHz(chain1)+BT	N/A	N/A
20	WWAN+WLAN 2.4GHz(chain1)+ WLAN 5GHz(chain0)+BT	N/A	N/A
21	WWAN+WLAN 2.4GHz(chain1)+ WLAN 5GHz(chain1)+BT	N/A	N/A
22	WWAN+WLAN 5GHz MIMO/CDD+ WLAN 2.4GHz(chain1)+BT	N/A	N/A
23	WWAN+WLAN 2.4GHz MIMO/CDD+ WLAN 5GHz(chain1)+BT	N/A	N/A
24	WLAN 2.4GHz(chain0)+BT	N/A	N/A
25	WLAN 2.4GHz(chain1)+BT	Yes	Yes
26	WLAN 5GHz(chain0)+BT	Yes	Yes
27	WLAN 5GHz(chain1)+BT	Yes	Yes
28	WLAN 2.4GHz MIMO/CDD+BT	N/A	N/A
29	WLAN 5GHz MIMO/CDD+BT	Yes	Yes
30	WLAN 2.4GHz(chain0)+ WLAN 5GHz(chain1)	Yes	Yes
31	WLAN 2.4GHz(chain1)+ WLAN 5GHz(chain0)	N/A	N/A
32	WLAN 2.4GHz(chain1)+ WLAN 5GHz(chain1)	N/A	N/A
33	WLAN 5GHz MIMO/CDD+ WLAN 2.4GHz(chain1)	N/A	N/A
34	WLAN 2.4GHz MIMO/CDD+ WLAN 5GHz(chain1)	N/A	N/A
35	WLAN 2.4GHz(chain0)+ WLAN 5GHz(chain1)+BT	N/A	N/A
36	WLAN 2.4GHz(chain1)+ WLAN 5GHz(chain0)+BT	N/A	N/A
37	WLAN 2.4GHz(chain1)+ WLAN 5GHz(chain1)+BT	N/A	N/A
38	WLAN 5GHz MIMO/CDD+ WLAN 2.4GHz(chain1)+BT	N/A	N/A
39	WLAN 2.4GHz MIMO/CDD+ WLAN 5GHz(chain1)+BT	N/A	N/A

Note:

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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8.5.2 Simultaneous Transmission SAR Summation Scenario

Simultaneous Transmission SAR Summation Scenario for Ant0 Head																																
No.	1	1a	1b	1c	2	2a	2b	3	3a	4	4a	5	5a	5b	6	6a	6b	7	7a	8	10+2a	10+3a	10+4a	10+5a	10+6a	10+7a	10+8a	10+9a	10+10a	SPLSR		
WWAN Band	Exposure position	State1	State3	State5	State7	state 9 2.4G Chain0	state3/5 2.4G Chain0	state 13 2.4G Chain0	state 9 2.4G Chain1	state 3/5 2.4G Chain1	state 9 2.4G MIMO	state5 2.4G MIMO	state11 5G Chain0	state3/7 5G Chain1	state13 5G Chain1	state11 5G MIMO	state7 5G MIMO	BT	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR		
GSM 850	Left Touch	0.793	0.793	0.793	0.793	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	1.297	0.833	1.350	1.116	1.213	1.246	1.375	1.415	1.698	1.795	1.828	1.717	Yes
	Left Tilt	0.144	0.144	0.144	0.144	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.657	0.200	0.679	0.230	0.583	0.586	0.668	0.724	0.754	1.107	1.110	1.096	
	Right Touch	0.765	0.765	0.765	0.765	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.970	0.819	0.999	0.937	0.982	0.970	1.074	1.128	1.246	1.291	1.279	1.187	
	Right Tilt	0.159	0.159	0.159	0.159	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.466	0.339	0.464	0.253	0.498	0.495	0.503	0.625	0.539	0.784	0.781	0.747	
WCDMA B5	Left Touch	0.906	0.459	0.459	0.459	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.963	0.499	1.016	0.782	0.879	0.912	1.488	1.081	1.364	1.461	1.494	1.383	
	Left Tilt	0.209	0.209	0.209	0.209	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.722	0.265	0.744	0.295	0.648	0.651	0.733	0.789	0.819	1.172	1.175	1.161	
	Right Touch	0.983	0.517	0.517	0.517	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.722	0.571	0.751	0.689	0.734	0.722	1.292	0.880	0.998	1.043	1.031	0.939	
	Right Tilt	0.217	0.217	0.217	0.217	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.466	0.339	0.464	0.253	0.498	0.495	0.503	0.625	0.539	0.784	0.781	0.747	
LTE Band 5	Left Touch	0.700	0.451	0.451	0.451	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.955	0.491	1.008	0.774	0.871	0.904	1.282	1.073	1.358	1.453	1.486	1.375	
	Left Tilt	0.149	0.149	0.149	0.149	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.662	0.205	0.684	0.235	0.588	0.591	0.673	0.729	0.759	1.112	1.115	1.101	
	Right Touch	1.009	0.680	0.680	0.680	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.885	0.734	0.914	0.852	0.897	0.885	1.318	1.043	1.161	1.206	1.194	1.102	
	Right Tilt	0.178	0.178	0.178	0.178	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.427	0.300	0.425	0.214	0.459	0.456	0.464	0.586	0.500	0.745	0.742	0.708	
LTE Band 7	Left Touch	0.300	0.300	0.300	0.300	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.804	0.340	0.857	0.623	0.720	0.753	0.882	0.922	1.205	1.302	1.335	1.224	
	Left Tilt	0.060	0.060	0.060	0.060	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.573	0.116	0.595	0.146	0.499	0.502	0.584	0.640	0.670	1.023	1.026	1.012	
	Right Touch	0.755	0.755	0.755	0.755	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.960	0.809	0.989	0.927	0.972	0.960	1.064	1.118	1.236	1.281	1.269	1.177	
	Right Tilt	0.212	0.212	0.212	0.212	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.461	0.334	0.459	0.248	0.493	0.490	0.498	0.620	0.534	0.779	0.776	0.742	
LTE Band 12	Left Touch	0.907	0.458	0.458	0.458	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.962	0.498	1.015	0.781	0.878	0.911	1.489	1.080	1.363	1.460	1.493	1.382	
	Left Tilt	0.199	0.199	0.199	0.199	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.712	0.255	0.734	0.285	0.638	0.641	0.723	0.779	0.809	1.162	1.165	1.151	
	Right Touch	0.854	0.854	0.854	0.854	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	1.059	0.908	1.088	1.026	1.071	1.059	1.163	1.217	1.335	1.380	1.368	1.276	
	Right Tilt	0.212	0.212	0.212	0.212	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.461	0.334	0.459	0.248	0.493	0.490	0.498	0.620	0.534	0.779	0.776	0.742	
LTE Band 17	Left Touch	1.010	0.642	0.642	0.642	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	1.046	0.582	1.099	0.885	0.982	0.995	1.592	1.164	1.447	1.544	1.577	1.466	
	Left Tilt	0.196	0.196	0.196	0.196	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.709	0.252	0.731	0.282	0.635	0.638	0.720	0.776	0.806	1.159	1.162	1.148	
	Right Touch	0.965	0.965	0.965	0.965	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	1.170	1.019	1.199	1.137	1.182	1.170	1.274	1.328	1.446	1.491	1.479	1.387	
	Right Tilt	0.240	0.240	0.240	0.240	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.489	0.362	0.487	0.276	0.521	0.518	0.526	0.648	0.562	0.807	0.804	0.770	
LTE Band 29	Left Touch	0.389	0.389	0.389	0.389	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.893	0.429	0.946	0.712	0.809	0.842	0.971	1.011	1.294	1.391	1.424	1.313	
	Left Tilt	0.076	0.076	0.076	0.076	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.589	0.132	0.611	0.162	0.515	0.518	0.600	0.656	0.686	1.039	1.042	1.028	
	Right Touch	0.701	0.701	0.701	0.701	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.906	0.756	0.935	0.873	0.918	0.906	1.039	1.086	1.204	1.250	1.232	1.162	
	Right Tilt	0.153	0.153	0.153	0.153	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.402	0.275	0.400	0.189	0.434	0.431	0.439	0.561	0.475	0.720	0.717	0.683	
LTE Band 38	Left Touch	0.334	0.334	0.334	0.334	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.838	0.374	0.891	0.657	0.754	0.787	0.916	0.936	1.239	1.364	1.369	1.288	
	Left Tilt	0.106	0.106	0.106	0.106	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.619	0.162	0.641	0.192	0.545	0.548	0.630	0.686	0.716	1.069	1.072	1.058	
	Right Touch	0.967	0.967	0.967	0.967	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	1.172	1.021	1.201	1.139	1.184	1.172	1.276	1.330	1.448	1.493	1.481	1.389	
	Right Tilt	0.314	0.314	0.314	0.314	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.563	0.436	0.561	0.350	0.595	0.592	0.600	0.722	0.636	0.881	0.878	0.844	
LTE Band 41	Left Touch	0.362	0.362	0.362	0.362	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.866	0.402	0.919	0.685	0.782	0.815	0.944	0.984	1.267	1.364	1.397	1.286	
	Left Tilt	0.066	0.066	0.066	0.066	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.597	0.132	0.611	0.162	0.515	0.518	0.600	0.656	0.686	1.039	1.042	1.028	
	Right Touch	0.986	0.986	0.986	0.986	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	1.173	1.022	1.202	1.140	1.185	1.172	1.277	1.331	1.449	1.494	1.480	1.390	
	Right Tilt	0.293	0.293	0.293	0.293	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.454	0.345	0.450	0.329	0.574	0.571	0.579	0.701	0.615	0.860	0		



Simultaneous Transmission SAR Summation Scenario for Ant1 Head																																
No.		1	1a	1b	1c	2	2a	2b	3	3a	4	4a	5	6	6a	7	7a	8	10+2a	10+3a	10+4a	1c+5	1c+6a	1c+7a	1+8	10+3a+8	1c+5+8	1c+6a+8	1c+7a+8	1a+2a+6a		
WWAN Band	Exposure position	State1	State 3	State 5	State 7	state 9 2.4G	state 3/5 2.4G	state 13 2.4G	state 9 2.4G	state 3/5 2.4G	state 9 2.4G	state 13 2.4G	state 11 5G	state 11 5G	state 3/5 5G	state 13 5G	state 11 5G	state 7 5G	BT	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	Summed SAR	state 5 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	
GSM 850	Left Touch	0.334	0.334	0.334	0.334	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.838	0.374	0.891	0.657	0.754	0.787	0.916	0.956	1.239	1.336	1.369	1.258	
	Left Tilt	0.217	0.217	0.217	0.217	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.730	0.273	0.752	0.303	0.656	0.659	0.741	0.797	0.827	1.180	1.183	1.169	
	Right Touch	0.476	0.476	0.476	0.476	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.681	0.530	0.710	0.648	0.693	0.681	0.785	0.839	0.957	1.002	0.980	0.898	
	Right Tilt	0.237	0.237	0.237	0.237	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.486	0.359	0.484	0.273	0.518	0.515	0.523	0.645	0.559	0.804	0.801	0.767	
WCDMA B5	Left Touch	0.243	0.243	0.243	0.243	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.747	0.283	0.800	0.595	0.683	0.696	0.825	0.895	1.148	1.245	1.278	1.167	
	Left Tilt	0.142	0.142	0.142	0.142	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.655	0.198	0.677	0.228	0.581	0.584	0.666	0.722	0.752	1.105	1.108	1.094	
	Right Touch	0.352	0.352	0.352	0.352	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.557	0.406	0.586	0.524	0.569	0.557	0.681	0.715	0.833	0.878	0.866	0.774	
	Right Tilt	0.155	0.155	0.155	0.155	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.404	0.277	0.402	0.191	0.436	0.433	0.441	0.563	0.477	0.722	0.719	0.685	
LTE Band 5	Left Touch	0.196	0.196	0.196	0.196	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.700	0.236	0.753	0.519	0.616	0.643	0.778	0.818	1.101	1.198	1.231	1.120	
	Left Tilt	0.118	0.118	0.118	0.118	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.631	0.174	0.653	0.204	0.557	0.560	0.642	0.698	0.728	1.081	1.084	1.070	
	Right Touch	0.281	0.281	0.281	0.281	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.486	0.335	0.515	0.453	0.498	0.486	0.590	0.644	0.762	0.807	0.795	0.703	
	Right Tilt	0.154	0.154	0.154	0.154	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.403	0.276	0.401	0.190	0.435	0.432	0.440	0.562	0.475	0.721	0.719	0.684	
LTE Band 12	Left Touch	0.205	0.205	0.205	0.205	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.709	0.245	0.762	0.528	0.625	0.658	0.787	0.827	1.110	1.207	1.240	1.129	
	Left Tilt	0.153	0.153	0.153	0.153	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.666	0.209	0.688	0.239	0.592	0.595	0.677	0.733	0.763	1.116	1.119	1.105	
	Right Touch	0.217	0.217	0.217	0.217	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.422	0.271	0.451	0.389	0.434	0.422	0.526	0.580	0.698	0.743	0.731	0.639	
	Right Tilt	0.111	0.111	0.111	0.111	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.360	0.233	0.358	0.147	0.392	0.389	0.397	0.519	0.433	0.678	0.675	0.641	
LTE Band 17	Left Touch	0.187	0.187	0.187	0.187	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.691	0.227	0.744	0.510	0.607	0.640	0.769	0.809	1.092	1.189	1.222	1.185	
	Left Tilt	0.133	0.133	0.133	0.133	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.646	0.189	0.668	0.219	0.572	0.575	0.657	0.713	0.743	1.096	1.099	1.085	
	Right Touch	0.195	0.195	0.195	0.195	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.557	0.406	0.586	0.524	0.569	0.557	0.681	0.715	0.833	0.878	0.866	0.774	
	Right Tilt	0.111	0.111	0.111	0.111	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.360	0.233	0.358	0.147	0.392	0.389	0.397	0.519	0.433	0.678	0.675	0.641	
LTE Band 26	Left Touch	0.112	0.112	0.112	0.112	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.616	0.152	0.669	0.435	0.532	0.565	0.694	0.734	1.017	1.114	1.147	1.036	
	Left Tilt	0.069	0.069	0.069	0.069	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.582	0.125	0.604	0.155	0.508	0.511	0.593	0.649	0.679	1.032	1.035	1.021	
	Right Touch	0.147	0.147	0.147	0.147	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.352	0.201	0.381	0.319	0.364	0.352	0.456	0.510	0.628	0.673	0.661	0.569	
	Right Tilt	0.111	0.111	0.111	0.111	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.360	0.233	0.358	0.147	0.392	0.389	0.397	0.519	0.433	0.678	0.675	0.641	

Simultaneous Transmission SAR Summation Scenario for Ant2 Head																															
	No.	1	1a	1b	1c	2	2a	2b	3	3a	4	4a	5	6	6a	6b	7	7a	8	10+2a	10+3a	10+4a	1c+5	1c+6a	1c+7a	1+8	10+3a+8	1c+5+8	1c+6a+8	1c+7a+8	1a+2a+8a
WWAN Band	Exposure position	State1	State 3	State 5	State 7	state 9 2.4G Chn10	state 3/5 2.4G Chn10	state 13 2.4G Chn10	state 9 2.4G Chn11	state 3/5 2.4G Chn11	state 9 2.4G Chn11	state 13 2.4G Chn11	state 11 5G Chn10	state 11 5G Chn11	state 3/5 5G Chn11	state 13 5G Chn11	state 11 5G Chn11	state 7 5G Chn11	BT	state 5 Summed SAR	state 5 Summed SAR	state 5 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	Summed SAR	state 5 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR
GSM 1900	Left Touch	0.728	0.481	0.558	0.558	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	1.062	0.598	1.115	0.881	0.978	1.011	1.310	1.180	1.463	1.560	1.593	1.405
	Left Tilt	0.793	0.521	0.627	0.627	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	1.140	0.683	1.162	0.713	1.066	1.069	1.317	1.207	1.237	1.590	1.593	1.473
	Right Touch	0.849	0.849	0.849	0.849	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	1.054	0.903	1.083	1.021	1.066	1.054	1.158	1.212	1.330	1.375	1.363	1.271
	Right Tilt	0.903	0.903	0.903	0.903	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	1.152	1.025	1.150	0.938	1.184	1.181	1.189	1.311	1.225	1.470	1.467	1.433
WCDMA B2	Left Touch	0.392	0.392	0.392	0.392	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.896	0.432	0.949	0.715	0.812	0.845	0.974	1.014	1.297	1.394	1.427	1.316
	Left Tilt	0.382	0.382	0.382	0.382	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.895	0.438	0.917	0.468	0.821	0.824	0.906	0.962	0.992	1.345	1.348	1.334
	Right Touch	0.543	0.543	0.543	0.543	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.748	0.597	0.777	0.715	0.760	0.748	0.852	0.906	1.024	1.069	1.057	0.965
	Right Tilt	0.688	0.688	0.688	0.688	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.937	0.810	0.935	0.724	0.969	0.966	0.946	1.094	1.096	1.252	1.252	1.218
WCDMA B4	Left Touch	0.371	0.371	0.371	0.371	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.875	0.411	0.928	0.694	0.791	0.824	0.953	0.993	1.276	1.373	1.406	1.295
	Left Tilt	0.499	0.499	0.499	0.499	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	1.012	0.555	1.034	0.585	0.938	0.941	1.023	0.709	1.109	1.462	1.465	1.451
	Right Touch	0.629	0.629	0.629	0.629	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.853	0.693	0.873	0.724	0.833	0.836	0.918	1.036	1.077	1.337	1.340	1.313
	Right Tilt	0.760	0.760	0.760	0.760	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.909	0.882	1.007	0.796	1.041	1.038	1.046	1.168	1.082	1.327	1.324	1.290
LTE Band 2	Left Touch	0.452	0.452	0.452	0.452	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.956	0.492	1.009	0.775	0.872	0.905	1.034	1.074	1.357	1.454	1.487	1.376
	Left Tilt	0.525	0.525	0.525	0.525	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	1.038	0.581	1.060	0.611	0.964	0.967	1.049	1.105	1.135	1.488	1.491	1.477
	Right Touch	0.753	0.753	0.753	0.753	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.958	0.807	0.987	0.825	0.970	0.956	1.062	1.116	1.234	1.279	1.267	1.175
	Right Tilt	0.924	0.924	0.924	0.924	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	1.173	1.046	1.171	0.960	1.205	1.202	1.210	1.332	1.246	1.491	1.488	1.454
LTE Band 4	Left Touch	0.399	0.399	0.399	0.399	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.903	0.439	0.956	0.722	0.819	0.852	0.981	1.021	1.304	1.401	1.434	1.323
	Left Tilt	0.620	0.620	0.620	0.620	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.842	0.681	0.864	0.719	0.854	0.858	1.144	1.088	1.118	1.471	1.474	1.369
	Right Touch	0.534	0.534	0.534	0.534	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.739	0.588	0.768	0.706	0.751	0.739	0.843	0.933	1.055	1.066	1.048	0.958
	Right Tilt	0.840	0.840	0.840	0.840	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.989	0.962	1.087	0.876	1.211	1.118	1.126	1.248	1.162	1.404	1.470	1.370
LTE Band 7	Left Touch	0.680	0.530	0.530	0.530	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	1.034	0.570	1.087	0.853	0.950	0.983	1.262	1.152	1.435	1.532	1.565	1.454
	Left Tilt	0.913	0.623	0.623	0.623	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	1.136	0.679	1.158	0.709	1.062	1.065	1.437	1.203	1.233	1.586	1.589	1.575
	Right Touch	1.033	0.784	0.784	0.784	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.989	0.838	1.018	0.956	1.001	0.989	1.342	1.147	1.265	1.310	1.298	1.206
	Right Tilt	1.113	0.815	0.815	0.815	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	1.064	0.937	1.062	0.851	1.096	1.093	1.399	1.223	1.137	1.382	1.379	1.345
LTE Band 38	Left Touch	0.485	0.447	0.389	0.389	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.906	0.426	0.943	0.709	0.806	0.839	0.967	1.007	1.281	1.388	1.421	1.271
	Left Tilt	0.659	0.459	0.459	0.459	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	1.067	0.578	1.076	0.708	0.806	0.809	1.067	1.077	1.267	1.373	1.407	1.402
	Right Touch	0.904	0.904	0.904	0.904	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	1.099	0.958	1.138	0.776	1.121	1.109	1.213	1.267	1.298	1.418	1.418	1.326
	Right Tilt	0.866	0.866	0.866	0.866	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	1.115	0.988	1.113	0.902	1.147	1.144	1.152	1.274	1.188	1.433	1.430	1.396
LTE Band 41	Left Touch	0.509	0.391	0.427	0.427	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.931	0.467	0.984	0.750	0.847	0.880	1.091	1.049	1.332	1.429	1.462	1.315
	Left Tilt	0.593	0.462	0.503	0.503	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	1.016	0.559	1.038	0.589	0.942	0.945	1.117	1.083	1.113	1.466	1.469	1.414
	Right Touch	0.954	0.954	0.954	0.954	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	1.159	1.008	1.188	1.126	1.141	1.159	1.263	1.317	1.435	1.480	1.468	1.376
	Right Tilt	1.009	0.743	0.812	0.812	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	1.081	0.934	1.059	0.848	1.093	1.090	1.295	1.220	1.134	1.379	1.376	1.273
LTE Band 66	Left Touch	0.765	0.490	0.565	0.565	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.939	0.475	0.989	0.745	0.845	0.876	1.090	1.071	1.357	1.447	1.470	1.378
	Left Tilt	0.593	0.396	0.498	0.498	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.956	0.532	0.984	0.732	0.849	0.834	1.117	1.078	1.148	1.478	1.488	1.448
	Right Touch	0.684	0.684	0.684	0.684	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.889	0.738	0.918	0.856	0.901	0.889	0.993	1.047	1.165	1.210	1.198	1.108
	Right Tilt	0.980	0.589	0.745	0.745	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.994	0.867	0.992	0.781	1.026	1.023	1.266	1.153	1.067	1.312	1.309	1.119



Simultaneous Transmission SAR Summation Scenario for Ant3 Head																															
No.	1	1a	1b	1c	2	2a	2b	3	3a	4	4a	5	6	6a	6b	7	7a	8	1b+2a	1b+3a	1b+4a	1c+5	1c+5a	1c+7a	1+8	1b+2a+8	1c+5+8	1c+6a+8	1c+7a+8	1a+2a+6a	
WWAN Band	Exposure position	State1	State3	State5	State7	state 9 2.4G Chain0	state 13 2.4G Chain0	state 13 2.4G Chain1	state 13 2.4G Chain1	state 13 2.4G Chain1	state 13 2.4G MIMO	state 12 5G Chain0	state 12 5G Chain1	state 14 5G Chain1	state 14 5G MIMO	state 12 5G MIMO	BT	state 8 Summed SAR	state 6 Summed SAR	state 6 Summed SAR	state 8 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	state 7 Summed SAR	
GSM 1900	Left Touch	0.028	0.028	0.028	0.028	0.776	0.504	0.776	0.504	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.532	0.068	0.585	0.351	0.448	0.481	0.610	0.650	0.933	1.030	1.063	0.952
	Left Tilt	0.039	0.039	0.039	0.039	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.068	0.687	0.439	0.687	0.725	0.442	0.524	0.552	0.095	0.574	0.125	0.478	0.481	0.553	0.519	0.549	1.002	1.005	0.991
	Right Touch	0.073	0.073	0.073	0.073	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.278	0.127	0.307	0.245	0.290	0.278	0.382	0.436	0.554	0.589	0.587	0.495
	Right Tilt	0.047	0.047	0.047	0.047	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.296	0.169	0.294	0.083	0.328	0.325	0.333	0.455	0.369	0.614	0.611	0.577
WCDMA B2	Left Touch	0.050	0.050	0.050	0.050	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.554	0.090	0.607	0.373	0.470	0.503	0.632	0.672	0.955	1.052	1.085	0.974
	Left Tilt	0.064	0.064	0.064	0.064	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.577	0.120	0.599	0.150	0.503	0.506	0.588	0.644	0.674	1.027	1.030	1.016
	Right Touch	0.127	0.127	0.127	0.127	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.332	0.181	0.361	0.299	0.344	0.332	0.436	0.490	0.608	0.653	0.641	0.549
	Right Tilt	0.063	0.063	0.063	0.063	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.312	0.185	0.310	0.099	0.344	0.341	0.349	0.471	0.385	0.630	0.627	0.593
WCDMA B4	Left Touch	0.035	0.035	0.035	0.035	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.539	0.075	0.592	0.358	0.455	0.488	0.617	0.657	0.940	1.037	1.070	0.959
	Left Tilt	0.042	0.042	0.042	0.042	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.555	0.098	0.577	0.128	0.481	0.484	0.566	0.622	0.652	1.005	1.008	0.994
	Right Touch	0.058	0.058	0.058	0.058	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.263	0.112	0.292	0.230	0.275	0.283	0.367	0.421	0.539	0.584	0.572	0.480
	Right Tilt	0.044	0.044	0.044	0.044	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.293	0.166	0.291	0.080	0.325	0.322	0.330	0.452	0.366	0.611	0.608	0.574
LTE Band 2	Left Touch	0.068	0.068	0.068	0.068	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.572	0.108	0.625	0.391	0.488	0.521	0.650	0.690	0.973	1.070	1.103	0.992
	Left Tilt	0.069	0.069	0.069	0.069	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.582	0.125	0.604	0.155	0.508	0.511	0.593	0.649	0.679	1.032	1.035	1.021
	Right Touch	0.138	0.138	0.138	0.138	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.343	0.192	0.372	0.310	0.355	0.343	0.447	0.501	0.619	0.664	0.652	0.560
	Right Tilt	0.076	0.076	0.076	0.076	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.325	0.198	0.323	0.112	0.357	0.354	0.362	0.484	0.398	0.643	0.640	0.606
LTE Band 4	Left Touch	0.027	0.027	0.027	0.027	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.531	0.067	0.584	0.350	0.447	0.480	0.609	0.649	0.932	1.029	1.062	0.951
	Left Tilt	0.033	0.033	0.033	0.033	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.546	0.089	0.568	0.119	0.472	0.475	0.557	0.613	0.643	0.996	0.999	0.985
	Right Touch	0.205	0.205	0.205	0.205	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.410	0.259	0.439	0.377	0.422	0.410	0.514	0.568	0.686	0.731	0.719	0.627
	Right Tilt	0.145	0.145	0.145	0.145	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.394	0.267	0.392	0.181	0.426	0.423	0.431	0.553	0.467	0.712	0.709	0.675
LTE Band 7	Left Touch	0.326	0.326	0.326	0.326	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.630	0.366	0.683	0.449	0.746	0.779	0.908	0.948	1.231	1.328	1.361	1.250
	Left Tilt	0.205	0.205	0.205	0.205	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.718	0.251	0.470	0.291	0.644	0.647	0.729	0.785	0.815	1.168	1.171	1.157
	Right Touch	0.642	0.642	0.642	0.642	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.847	0.696	0.876	0.814	0.859	0.847	0.951	1.005	1.123	1.168	1.156	1.044
	Right Tilt	0.199	0.199	0.199	0.199	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.448	0.321	0.446	0.235	0.480	0.477	0.485	0.607	0.521	0.766	0.763	0.729
LTE Band 38	Left Touch	0.143	0.143	0.143	0.143	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.647	0.183	0.700	0.466	0.563	0.598	0.725	0.795	1.048	1.145	1.178	1.067
	Left Tilt	0.095	0.095	0.095	0.095	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.608	0.151	0.630	0.181	0.534	0.537	0.619	0.675	0.705	1.058	1.061	1.047
	Right Touch	0.301	0.301	0.301	0.301	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.506	0.355	0.535	0.473	0.518	0.506	0.610	0.664	0.782	0.827	0.815	0.723
	Right Tilt	0.082	0.082	0.082	0.082	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.341	0.224	0.329	0.118	0.363	0.360	0.368	0.490	0.404	0.649	0.646	0.612
LTE Band 41	Left Touch	0.127	0.127	0.127	0.127	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.631	0.167	0.684	0.450	0.547	0.580	0.709	0.749	1.032	1.129	1.152	1.051
	Left Tilt	0.092	0.092	0.092	0.092	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.605	0.148	0.627	0.178	0.531	0.534	0.616	0.672	0.702	1.055	1.058	1.044
	Right Touch	0.294	0.294	0.294	0.294	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.499	0.348	0.528	0.466	0.511	0.499	0.603	0.657	0.775	0.820	0.808	0.716
	Right Tilt	0.066	0.066	0.066	0.066	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.440	0.451	0.278	0.286	0.315	0.168	0.313	0.102	0.347	0.344	0.352	0.474	0.388	0.633	0.630	0.596
LTE Band 66	Left Touch	0.029	0.029	0.029	0.029	0.776	0.504	0.776	0.040	0.040	0.794	0.557	0.323	0.700	0.420	0.700	0.764	0.453	0.582	0.633	0.069	0.586	0.352	0.449	0.462	0.611	0.651	0.934	1.031	1.064	0.953
	Left Tilt	0.036	0.036	0.036	0.036	0.790	0.513	0.790	0.056	0.056	0.762	0.535	0.086	0.687	0.439	0.687	0.725	0.442	0.524	0.549	0.092	0.571	0.122	0.475	0.478	0.560	0.616	0.646	0.999	1.002	0.988
	Right Touch	0.093	0.093	0.093	0.093	0.317	0.205	0.317	0.054	0.054	0.333	0.234	0.172	0.380	0.217	0.380	0.333	0.205	0.309	0.298	0.147	0.327	0.265	0.310	0.298	0.402	0.456	0.574	0.619	0.607	0.515
	Right Tilt	0.045	0.045	0.045	0.045	0.385	0.249	0.385	0.122	0.122	0.352	0.247	0.036	0.440	0.281	0.44															



Simultaneous Transmission SAR Summation Scenario for Ant3 Body 15mm																															
No.	1	1a	1b	1c	2	2a	2b	3	3a	4	4a	5	6	6a	6b	7	7a	8	1b+2a	1b+3a	1b+4a	1c+5	1c+6a	1c+7a	1+8	1b+3a+8	1c+5+8	1c+6a+8	1c+7a+8	1a+2a+6a	
WWAN Band	Exposure position	State2	State4	State6	State8	state 10 2.4G Chain0	state14 2.4G Chain0	state 10 2.4G Chain1	state 4/6 2.4G Chain1	state 10 2.4G MIMO	state4/6 2.4G MIMO	state12 5G Chain0	state12 5G Chain1	state4/8 5G Chain1	state14 5G Chain1	state12 5G MIMO	state8 5G MIMO	BT	state 6 Summed SAR	state 6 Summed SAR	state 6 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	Summed SAR	state 6 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	
GSM 1900	Front side	0.048	0.048	0.048	0.048	0.210	0.210	0.210	0.004	0.189	0.189	0.037	0.267	0.267	0.267	0.201	0.201	0.395	0.258	0.052	0.237	0.085	0.315	0.249	0.443	0.447	0.480	0.710	0.644	0.525	
WCDMA B2	Back side	0.063	0.063	0.063	0.063	0.178	0.178	0.178	0.040	0.173	0.173	0.459	0.415	0.415	0.415	0.558	0.558	0.395	0.241	0.103	0.236	0.522	0.478	0.621	0.458	0.498	0.917	0.873	1.016	0.656	
	Front side	0.135	0.135	0.135	0.135	0.210	0.210	0.210	0.004	0.189	0.189	0.037	0.267	0.267	0.267	0.201	0.201	0.395	0.345	0.139	0.324	0.172	0.402	0.336	0.530	0.534	0.587	0.797	0.731	0.612	
WCDMA B4	Back side	0.159	0.159	0.159	0.159	0.178	0.178	0.178	0.040	0.173	0.173	0.459	0.415	0.415	0.415	0.558	0.558	0.395	0.337	0.199	0.332	0.618	0.574	0.717	0.554	0.594	1.013	0.969	1.112	0.752	
	Front side	0.039	0.039	0.039	0.039	0.210	0.210	0.210	0.004	0.189	0.189	0.037	0.267	0.267	0.267	0.201	0.201	0.395	0.249	0.043	0.228	0.076	0.306	0.240	0.434	0.438	0.471	0.701	0.635	0.516	
LTE Band 7	Back side	0.061	0.061	0.061	0.061	0.178	0.178	0.178	0.040	0.173	0.173	0.459	0.415	0.415	0.415	0.558	0.558	0.395	0.239	0.101	0.324	0.520	0.476	0.619	0.456	0.496	0.915	0.871	1.014	0.654	
	Front side	0.092	0.092	0.092	0.092	0.210	0.210	0.210	0.004	0.189	0.189	0.037	0.267	0.267	0.267	0.201	0.201	0.395	0.302	0.096	0.281	0.129	0.359	0.293	0.487	0.491	0.524	0.754	0.688	0.569	
LTE Band 12	Back side	0.117	0.117	0.117	0.117	0.178	0.178	0.178	0.040	0.173	0.173	0.459	0.415	0.415	0.415	0.558	0.558	0.395	0.295	0.157	0.290	0.576	0.532	0.675	0.512	0.552	0.971	0.927	1.070	0.710	
	Front side	0.072	0.072	0.072	0.072	0.210	0.210	0.210	0.004	0.189	0.189	0.037	0.267	0.267	0.267	0.201	0.201	0.395	0.282	0.076	0.338	0.273	0.467	0.471	0.504	0.734	0.668	0.868	0.549	0.549	
LTE Band 17	Back side	0.167	0.167	0.167	0.167	0.178	0.178	0.178	0.040	0.173	0.173	0.459	0.415	0.415	0.415	0.558	0.558	0.395	0.345	0.207	0.340	0.628	0.582	0.725	0.562	0.602	1.021	0.977	1.120	0.760	
	Front side	0.342	0.342	0.342	0.342	0.210	0.210	0.210	0.004	0.189	0.189	0.037	0.267	0.267	0.267	0.201	0.201	0.395	0.552	0.346	0.531	0.379	0.609	0.543	0.737	0.741	0.774	1.004	0.938	0.819	
LTE Band 38	Back side	0.396	0.396	0.396	0.396	0.178	0.178	0.178	0.040	0.173	0.173	0.459	0.415	0.415	0.415	0.558	0.558	0.395	0.574	0.436	0.569	0.855	0.811	0.954	0.791	0.831	1.250	1.206	1.349	0.989	
	Front side	0.169	0.169	0.169	0.169	0.210	0.210	0.210	0.004	0.189	0.189	0.037	0.267	0.267	0.267	0.201	0.201	0.395	0.379	0.173	0.358	0.206	0.436	0.370	0.561	0.568	0.601	0.831	0.765	0.646	
LTE Band 41	Back side	0.157	0.157	0.157	0.157	0.178	0.178	0.178	0.040	0.173	0.173	0.459	0.415	0.415	0.415	0.558	0.558	0.395	0.335	0.197	0.330	0.616	0.572	0.715	0.552	0.592	1.011	0.967	1.110	0.750	
	Front side	0.208	0.208	0.208	0.208	0.210	0.210	0.210	0.004	0.189	0.189	0.037	0.267	0.267	0.267	0.201	0.201	0.395	0.418	0.212	0.397	0.245	0.475	0.409	0.603	0.607	0.640	0.870	0.804	0.685	
LTE Band 6	Back side	0.159	0.159	0.159	0.159	0.178	0.178	0.178	0.040	0.173	0.173	0.459	0.415	0.415	0.415	0.558	0.558	0.395	0.337	0.199	0.332	0.618	0.574	0.717	0.554	0.594	1.013	0.969	1.112	0.752	
	Front side	0.076	0.076	0.076	0.076	0.210	0.210	0.210	0.004	0.189	0.189	0.037	0.267	0.267	0.267	0.201	0.201	0.395	0.286	0.080	0.265	0.113	0.343	0.277	0.471	0.475	0.508	0.738	0.672	0.553	
LTE Band 66	Back side	0.089	0.089	0.089	0.089	0.178	0.178	0.178	0.040	0.173	0.173	0.459	0.415	0.415	0.415	0.558	0.558	0.395	0.267	0.129	0.262	0.548	0.504	0.647	0.484	0.524	0.943	0.899	1.042	0.682	

Simultaneous Transmission SAR Summation Scenario for Ant3 Body 10mm																															
No.	1	1a	1b	1c	2	2a	2b	3	3a	4	4a	5	6	6a	6b	7	7a	8	1b+2a	1b+3a	1b+4a	1c+5	1c+6a	1c+7a	1+8	1b+3a+8	1c+5+8	1c+6a+8	1c+7a+8	1a+2a+6a	
WWAN Band	Exposure position	State2	State4	State6	State8	state 10 2.4G Chain0	state14 2.4G Chain0	state 10 2.4G Chain1	state 4/6 2.4G Chain1	state 10 2.4G MIMO	state4/6 2.4G MIMO	state12 5G Chain0	state12 5G Chain1	state4/8 5G Chain1	state14 5G Chain1	state12 5G MIMO	state8 5G MIMO	BT	state 6 Summed SAR	state 6 Summed SAR	state 6 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	Summed SAR	state 6 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	
GSM 850	Front side	0.352	0.352	0.352	0.352	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.082	0.685	0.361	0.658	0.374	0.804	0.589	0.434	0.443	0.456	0.886	0.671	1.137	
	Back side	0.506	0.506	0.506	0.506	0.439	0.439	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.640	0.640	0.709	0.590	0.098	0.779	0.601	0.898	1.056	1.046	0.996	0.604	0.699	1.154	1.144	1.194	
	Left side	0.794	0.794	0.794	0.794	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.779	0.800	0.852	0.794	0.794	0.801	0.794	0.800	0.794	0.891	0.794	
	Right side	/	/	/	/	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.140	0.003	0.168	0.171	0.229	0.307	0.042	0.045	0.213	0.271	0.349	
	Top side	0.033	0.033	0.033	0.033	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.312	0.093	0.585	0.033	0.591	0.546	0.135	0.195	0.135	0.693	0.648	
LTE Band 7	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Front side	0.330	0.330	0.330	0.330	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.082	0.663	0.339	0.636	0.352	0.782	0.567	0.412	0.421	0.434	0.864	0.649	1.115	
	Back side	0.769	0.489	0.489	0.489	0.439	0.439	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.640	0.640	0.709	0.590	0.098	0.762	0.584	0.881	1.039	1.029	1.079	0.867	0.682	1.137	1.127	1.177	
	Left side	0.846	0.846	0.846	0.846	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.846	0.852	0.904	0.846	0.846	0.843	0.846	0.852	0.846	0.846	0.843	0.846
	Right side	/	/	/	/	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.140	0.003	0.168	0.171	0.229	0.307	0.042	0.045	0.213	0.271	0.349	
LTE Band 12	Top side	0.066	0.066	0.066	0.066	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.345	0.126	0.618	0.066	0.624	0.579	0.168	0.228	0.168	0.726	0.681	
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Front side	0.305	0.305	0.305	0.305	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.082	0.638	0.314	0.611	0.327	0.757	0.542	0.387	0.396	0.409	0.839	0.624	1.090	
	Back side	0.415	0.415	0.415	0.415	0.439	0.439	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.640	0.640	0.709	0.590	0.098	0.688	0.510	0.807	0.965	0.955	1.005	0.513	0.608	1.063	1.053	1.103	
	Left side	0.687	0.687	0.687	0.687	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.687	0.693	0.745	0.687	0.687	0.784	0.687	0.693	0.687	0.687	0.784	0.687
LTE Band 17	Right side	/	/	/	/	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.140	0.003	0.168	0.171	0.229	0.307	0.042	0.045	0.213	0.271	0.349	
	Top side	0.012	0.012	0.012	0.012	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.291	0.072	0.564	0.012	0.570	0.525	0.114	0.174	0.114	0.672	0.627	
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Front side	0.334	0.334	0.334	0.334	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.082	0.667	0.343	0.640	0.356	0.786	0.571	0.416	0.425	0.438	0.868	0.653	1.119	
	Back side	0.456	0.456	0.456	0.456	0.439	0.439	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.640	0.640	0.709	0.590	0.098	0.740	0.611	0.865	1.020	1.010	1.060	0.854	0.849	1.144	1.130	1.184	
LTE Band 26	Left side	0.735	0.735	0.735	0.735	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.735	0.741	0.773	0.735	0.735	0.832	0.735	0.741	0.735	0.735	0.832	0.735
	Right side	/	/	/	/	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.140	0.003	0.168	0.171	0.229	0.307	0.042	0.045	0.213	0.271	0.349	
	Top side	0.014	0.014	0.014	0.014	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.293	0.074	0.566	0.014	0.572	0.527	0.116	0.176	0.116	0.674	0.629	
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Front side	0.187	0.187	0.187	0.187	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.082	0.520	0.196	0.493	0.209	0.639	0.424	0.269	0.278	0.291	0.721	0.506		
LTE Band 38	Back side	0.192	0.192	0.192	0.192	0.439	0.439	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.640	0.640	0.709	0.590	0.098	0.465	0.287	0.584	0.742	0.732	0.782	0.290	0.385	0.840	0.880	1.005	
	Left side	0.351	0.351	0.351	0.351	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.351	0.357	0.409	0.351	0.351	0.448	0.351	0.357	0.351	0.448	0.351	
	Right side	/	/	/	/	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.140	0.003	0.168	0.171	0.229	0.307	0.042	0.045	0.213	0.271	0.349	
	Top side	0.011	0.011	0.011	0.011	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.290	0.071	0.563	0.011	0.569	0.524	0.113	0.173	0.113	0.671	0.626	
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
LTE Band 41	Front side	0.306	0.306	0.306	0.306	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.082	0.639	0.315	0.612	0.328	0.758	0.543	0.388	0.397	0.410	0.840	0.625	1.091	
	Back side	0.581	0.581	0.581	0.581	0.439	0.439	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.640	0.640	0.709	0.590	0.098	0.854	0.676	0.973	1.131	1.121	1.171	0.679	0.774	1.229	1.219	1.269	
	Left side	0.713	0.713	0.713	0.713	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.713	0.719	0.773	0.713	0.713	0.810	0.713	0.719	0.713	0.810	0.713	
	Right side	/	/	/	/	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.140	0.003	0.168	0.171	0.229	0.307	0.042	0.045	0.213	0.271	0.349	
	Top side	0.057	0.057	0.057	0.057	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.336	0.117	0.609	0.057	0.615	0.570	0.159	0.219	0.159	0.717	0.672	
LTE Band 45	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Front side	0.207	0.207	0.207	0.207	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.082	0.540	0.216	0.513	0.229	0.659	0.444	0.289	0.298	0.311	0.741	0.526		
	Back side	0.442	0.442	0.442	0.442	0.439	0.439	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.640	0.640	0.709	0.590	0.098	0.872	0.707	0.942	0.892	0.922	0.540	0.535	1.000	1.130	1.265		
	Left side	0.522	0.522	0.522	0.522	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.522	0.528	0.580	0.522	0.522	0.619	0.522	0.528	0.522	0.619	0.522	
	Right side	/	/	/	/	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.140	0.003	0.168	0.171	0.229	0.307	0.042	0.045	0.213	0.271	0.349	
LTE Band 46	Top side	0.027	0.027	0.027	0.027	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.306	0.087	0.579	0.027	0.585	0.540	0.129	0.189	0.129	0.687	0.642	
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	



Simultaneous Transmission SAR Summation Scenario for Ant1 Body 10mm																																
No.	1	1a	1b	1c	2	2a	2b	3	3a	4	4a	5	6	6a	6b	7	7a	8	1b+2a	1b+3a	1b+4a	1c+5	1c+6a	1c+7a	1+8	1b+3a+8	1c+5+8	1c+6a+8	1c+7a+8	1a+2a+8a		
WWAN Band	Exposure position	State2	State4	State6	State8	state 10 2.4G	state 14 2.4G	state 10 2.4G	state 14 2.4G	state 10 2.4G	state 14 2.4G	state 10 2.4G	state 12 5G	state 12 5G	state 12 5G	state 14 5G	state 12 5G	state 12 5G	BT	state 6 Summed SAR	state 6 Summed SAR	state 6 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	Summed SAR	state 6 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	
GSM 850	Front side	0.537	0.537	0.537	0.537	0.333	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.870	0.546	0.843	0.559	0.989	0.774	0.619	0.628	0.641	1.071	0.856	1.322
	Back side	0.595	0.595	0.595	0.595	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.868	0.690	0.987	1.145	1.135	1.185	0.893	0.788	1.243	1.233	1.283	1.408	
	Left side	0.127	0.127	0.127	0.127	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.127	0.133	0.185	0.127	0.127	0.224	0.127	0.133	0.127	0.127	0.224	0.127	
	Right side	0.462	0.462	0.462	0.462	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.602	0.465	0.630	0.633	0.691	0.769	0.504	0.507	0.675	0.733	0.811	0.831	
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837	
WCDMA B5	Bottom side	0.498	0.498	0.498	0.498	/	/	/	/	/	/	/	/	/	/	/	/	/	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498	0.498	
	Front side	0.495	0.495	0.495	0.495	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.828	0.504	0.801	0.517	0.947	0.732	0.577	0.586	0.599	1.029	0.814	1.280	
	Back side	0.631	0.631	0.631	0.631	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.904	0.725	1.023	0.881	1.177	0.729	0.624	0.824	1.279	1.269	1.319	1.444	
	Left side	0.137	0.137	0.137	0.137	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.137	0.143	0.195	0.137	0.137	0.234	0.137	0.143	0.137	0.137	0.234	0.137	
	Right side	0.508	0.508	0.508	0.508	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.648	0.511	0.676	0.679	0.737	0.815	0.550	0.553	0.721	0.779	0.857	0.877	
LTE Band 5	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837	
	Bottom side	0.484	0.484	0.484	0.484	/	/	/	/	/	/	/	/	/	/	/	/	/	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	0.484	
	Front side	0.493	0.493	0.493	0.493	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.826	0.502	0.799	0.515	0.945	0.740	0.575	0.584	0.597	1.027	0.812	1.278	
	Back side	0.540	0.540	0.540	0.540	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.813	0.635	0.932	1.090	1.080	1.130	0.638	0.733	1.188	1.178	1.228	1.353	
	Left side	0.114	0.114	0.114	0.114	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.114	0.120	0.172	0.114	0.114	0.211	0.114	0.120	0.114	0.114	0.211	0.114	
LTE Band 12	Right side	0.469	0.469	0.469	0.469	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.609	0.472	0.637	0.540	0.698	0.776	0.511	0.514	0.682	0.740	0.818	0.838	
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837	
	Bottom side	0.452	0.452	0.452	0.452	/	/	/	/	/	/	/	/	/	/	/	/	/	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	0.452	
	Front side	0.407	0.407	0.407	0.407	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.740	0.416	0.713	0.429	0.859	0.644	0.489	0.498	0.511	0.941	0.726	1.192	
	Back side	0.477	0.477	0.477	0.477	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.750	0.572	0.869	1.027	1.017	1.067	0.575	0.670	1.125	1.115	1.165	1.290	
LTE Band 17	Left side	0.206	0.206	0.206	0.206	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.206	0.212	0.264	0.206	0.206	0.303	0.206	0.212	0.206	0.206	0.303	0.206	
	Right side	0.632	0.632	0.632	0.632	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.772	0.635	0.800	0.803	0.881	0.939	0.614	0.677	0.824	0.824	0.939	1.001	
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837	
	Bottom side	0.336	0.336	0.336	0.336	/	/	/	/	/	/	/	/	/	/	/	/	/	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.336	0.336	
	Front side	0.420	0.420	0.420	0.420	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.753	0.429	0.726	0.442	0.657	0.502	0.511	0.524	0.954	0.739	1.205		
LTE Band 26	Back side	0.490	0.490	0.490	0.490	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.763	0.585	0.882	1.040	1.030	1.080	0.588	0.683	1.138	1.128	1.178	1.303	
	Left side	0.166	0.166	0.166	0.166	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.166	0.172	0.224	0.166	0.166	0.263	0.166	0.172	0.166	0.166	0.263	0.166	
	Right side	0.621	0.621	0.621	0.621	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.761	0.624	0.789	0.792	0.880	0.928	0.663	0.666	0.834	0.892	0.970	0.990	
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837	
	Bottom side	0.362	0.362	0.362	0.362	/	/	/	/	/	/	/	/	/	/	/	/	/	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	
LTE Band 29	Front side	0.232	0.232	0.232	0.232	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.565	0.241	0.538	0.254	0.684	0.469	0.314	0.323	0.336	0.766	0.551	1.017	
	Back side	0.260	0.260	0.260	0.260	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.533	0.355	0.652	0.810	0.800	0.850	0.358	0.453	0.908	0.898	0.948	1.073	
	Left side	0.074	0.074	0.074	0.074	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.074	0.080	0.132	0.074	0.074	0.171	0.074	0.080	0.074	0.074	0.171	0.074	
	Right side	0.244	0.244	0.244	0.244	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.384	0.247	0.412	0.415	0.473	0.551	0.286	0.289	0.457	0.515	0.973	0.613	
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837	
Simultaneous Transmission SAR Summation Scenario for Ant2 Body 10mm</																																

Simultaneous Transmission SAR Summation Scenario for Ant3 Body 10mm																															
No.	1	1a	1b	1c	2	2a	2b	3	3a	4	4a	5	6	6a	6b	7	7a	8	1b+2a	1b+3a	1b+4a	1c+5	1c+6a	1c+7a	1+8	1b+3a+8	1c+5+8	1c+6a+8	1c+7a+8	1a+2a+6a	
WWAN Band	Exposure position	State2	State4	State6	State8	state 10 2.4G Chain0	state 4/6 2.4G Chain0	state 14 2.4G Chain1	state 10 2.4G Chain1	state 4/6 2.4G MIMO	state 4/6 2.4G MIMO	state 12 5G Chain0	state 12 5G Chain1	state 4/8 5G Chain1	state 14 5G Chain1	state 12 5G MIMO	state 4/8 5G MIMO	BT	state 6 Summed SAR	state 6 Summed SAR	state 6 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	Summed SAR	state 6 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 8 Summed SAR	state 4 Summed SAR	
GSM 1900	Front side	0.163	0.163	0.163	0.163	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.496	0.172	0.469	0.185	0.615	0.400	0.245	0.254	0.267	0.697	0.482	0.948
	Back side	0.172	0.172	0.172	0.172	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.445	0.267	0.564	0.722	0.712	0.762	0.270	0.365	0.820	0.810	0.860	
	Left side	0.031	0.031	0.031	0.031	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.031	0.037	0.089	0.031	0.031	0.128	0.031	0.037	0.031	0.031	0.128	0.031
	Right side	0.222	0.222	0.222	0.222	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.362	0.225	0.390	0.393	0.451	0.529	0.264	0.267	0.435	0.493	0.571	0.591
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837
WCDMA B2	Bottom side	0.190	0.190	0.190	0.190	/	/	/	/	/	/	/	/	/	/	/	/	/	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190
	Front side	0.241	0.241	0.241	0.241	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.574	0.250	0.547	0.263	0.693	0.478	0.323	0.332	0.345	0.775	0.560	1.026
	Back side	0.261	0.261	0.261	0.261	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.534	0.356	0.653	0.811	0.801	0.851	0.359	0.454	0.909	0.899	0.949	1.074
	Left side	0.063	0.063	0.063	0.063	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.063	0.069	0.121	0.063	0.063	0.160	0.063	0.069	0.063	0.063	0.160	0.063
	Right side	0.338	0.338	0.338	0.338	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.478	0.341	0.506	0.509	0.567	0.645	0.380	0.383	0.551	0.609	0.887	0.707
WCDMA B4	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837
	Bottom side	0.108	0.108	0.108	0.108	/	/	/	/	/	/	/	/	/	/	/	/	/	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108	0.108
	Front side	0.161	0.161	0.161	0.161	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.494	0.170	0.467	0.183	0.613	0.390	0.243	0.252	0.265	0.695	0.480	0.946
	Back side	0.182	0.182	0.182	0.182	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.455	0.277	0.574	0.732	0.722	0.778	0.280	0.375	0.830	0.820	0.870	0.995
	Left side	0.041	0.041	0.041	0.041	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.041	0.047	0.099	0.041	0.041	0.138	0.041	0.047	0.041	0.041	0.138	0.041
LTE Band 2	Right side	0.202	0.202	0.202	0.202	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.342	0.205	0.370	0.373	0.431	0.509	0.244	0.247	0.415	0.473	0.551	0.571
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837
	Bottom side	0.220	0.220	0.220	0.220	/	/	/	/	/	/	/	/	/	/	/	/	/	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220
	Front side	0.262	0.262	0.262	0.262	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.595	0.271	0.568	0.284	0.714	0.499	0.344	0.353	0.366	0.796	0.581	1.047
	Back side	0.231	0.231	0.231	0.231	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.504	0.326	0.623	0.781	0.771	0.821	0.329	0.424	0.879	0.869	0.919	1.044
LTE Band 4	Left side	0.015	0.015	0.015	0.015	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.015	0.021	0.073	0.015	0.015	0.112	0.015	0.021	0.015	0.015	0.112	0.015
	Right side	0.078	0.078	0.078	0.078	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.218	0.081	0.246	0.249	0.307	0.385	0.120	0.123	0.291	0.349	0.427	0.447
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837
	Bottom side	0.294	0.294	0.294	0.294	/	/	/	/	/	/	/	/	/	/	/	/	/	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294
	Front side	0.559	0.559	0.559	0.559	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.892	0.568	0.865	0.581	1.011	0.796	0.641	0.650	0.663	1.093	0.878	1.344
LTE Band 7	Back side	0.621	0.621	0.621	0.621	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.894	0.716	1.013	1.171	1.161	1.211	0.719	0.814	1.269	1.259	1.309	1.434
	Left side	0.032	0.032	0.032	0.032	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.032	0.038	0.090	0.032	0.032	0.129	0.032	0.038	0.032	0.032	0.129	0.032
	Right side	0.122	0.122	0.122	0.122	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	1.262	1.125	1.290	1.293	1.351	1.429	1.164	1.167	1.335	1.393	1.471	1.491
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837
	Bottom side	0.310	0.310	0.310	0.310	/	/	/	/	/	/	/	/	/	/	/	/	/	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310	0.310
LTE Band 38	Front side	0.309	0.309	0.309	0.309	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.642	0.318	0.615	0.331	0.761	0.546	0.391	0.400	0.413	0.843	0.628	1.094
	Back side	0.316	0.316	0.316	0.316	0.439	0.273	0.439	0.095	0.095	0.392	0.392	0.550	0.640	0.540	0.640	0.709	0.590	0.098	0.568	0.411	0.708	0.886	0.856	0.905	0.414	0.509	0.964	0.954	1.004	1.129
	Left side	0.003	0.003	0.003	0.003	/	/	/	0.006	0.006	0.058	0.058	/	/	/	/	0.097	0.097	/	0.003	0.009	0.061	0.003	0.003	0.100	0.003	0.009	0.003	0.003	0.100	0.003
	Right side	0.619	0.619	0.619	0.619	0.227	0.140	0.227	0.003	0.003	0.168	0.168	0.171	0.229	0.229	0.229	0.307	0.307	0.042	0.759	0.622	0.787	0.790	0.848	0.926	0.651	0.664	0.832	0.890	0.988	0.988
	Top side	/	/	/	/	0.449	0.279	0.449	0.060	0.060	0.552	0.552	/	0.668	0.558	0.668	0.616	0.513	0.102	0.279	0.060	0.552	0.000	0.558	0.513	0.102	0.162	0.102	0.660	0.615	0.837
LTE Band 41	Bottom side	0.204	0.204	0.204	0.204	/	/	/	/	/	/	/	/	/	/	/	/	/	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204	0.204
	Front side	0.308	0.308	0.308	0.308	0.333	0.333	0.333	0.009	0.009	0.306	0.306	0.022	0.452	0.452	0.452	0.237	0.237	0.082	0.641	0.317	0.614	0.330	0.760	0.545	0.390	0.399	0.412	0.842	0.627	1.093
	Back side	0.336	0.336	0.336	0.336	0.439	0.273	0.439	0																						

State 2: WWAN Receiver off

State 3: WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on

State 4: WWAN+WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off

State 5: WWAN+WLAN 2.4G Receiver on/WWAN+WLAN 2.4G(Chain1)+BT Receiver on

State 6: WWAN+WLAN 2.4G Receiver off/WWAN+WLAN 2.4G(Chain1)+BT Receiver off

State 7: WWAN+WLAN 5G Receiver on/WWAN+WLAN 5G+BT Receiver on

State 8: WWAN+WLAN 5G Receiver off/WWAN+WLAN 5G+BT Receiver off

State 9: WLAN Receiver on/WLAN 2.4G(Chain1)+BT Receiver on

State 10: WLAN Receiver off/WLAN 2.4G(Chain1)+BT Receiver off

State 11: WLAN Receiver on/WLAN 5G+BT Receiver on

State 12: WLAN Receiver off/WLAN 5G+BT Receiver off

State 13: WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver on

State 14: WLAN 2.4G(Chain0)+WLAN 5G(Chain1) Receiver off

8.5.3 SPLSR Evaluation Analysis

According to KDB447498 D01v06, When the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio(SPLSR).When the SAR to peak location ratio for each pair of antennas is ≤ 1 -g 0.04 and 10-g 0.10, simultaneous SAR evaluation is not required.

When SAR is measured for both antennas in the pair, the peak location separation distance is computed by the following formula:

$$\text{Distance}_{\text{Tx1-Tx2}} = R_i = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2}$$

$$\text{SPLS Ratio} = (\text{SAR}_1 + \text{SAR}_2)^{1.5} / R_i$$

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Case No.	Position	Band	SAR (W/kg)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
1#	Left cheek	GSM 850(Ant0)	0.793	2.84	-4.98	-0.08	66.531	1.698	0.03	Not Required
		WIFI 5G Chain0	0.323	4.72	1.4	-0.24				
		BT	0.582	1.01	1.98	-0.49				
	Left cheek	GSM 850(Ant0)	0.793	2.84	-4.98	-0.08	72.082	1.698	0.03	Not Required
		BT	0.582	1.010	1.980	-0.490				
		WIFI 5G Chain0	0.323	4.720	1.400	-0.240				



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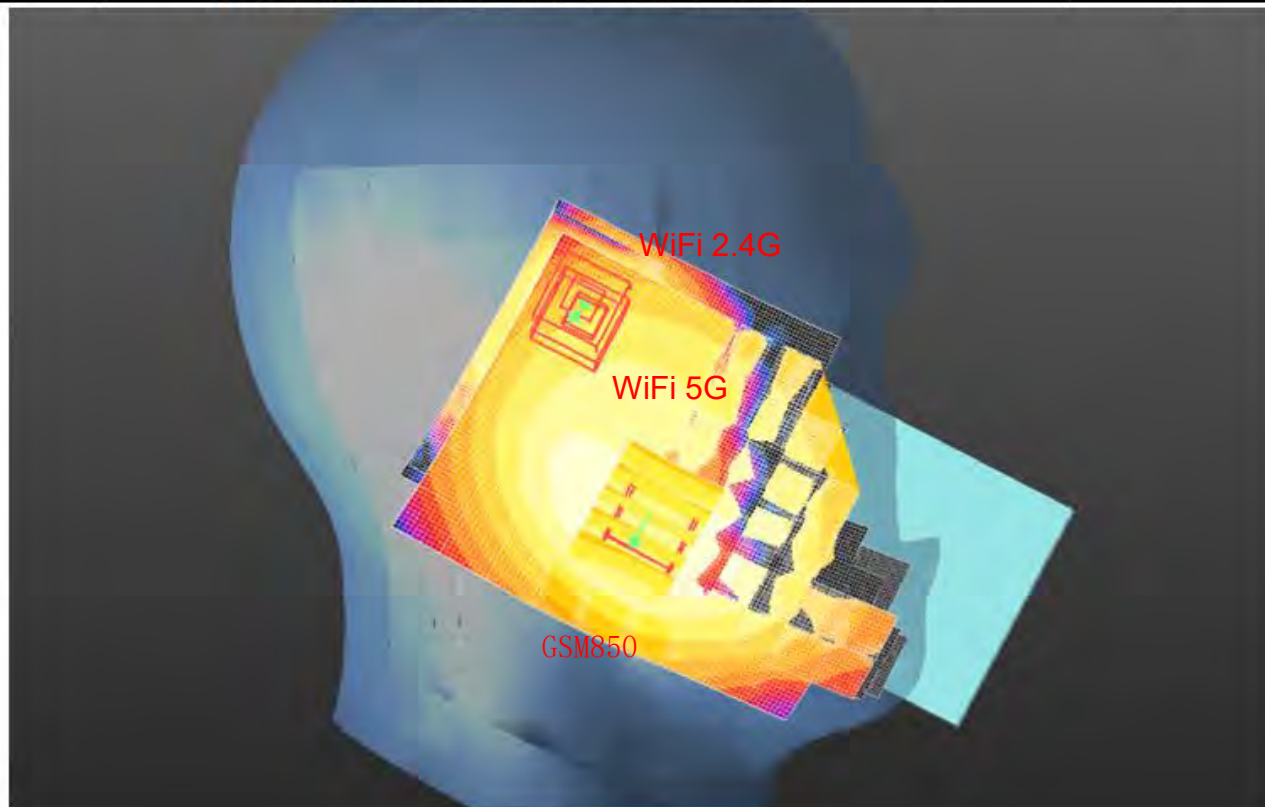
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Case No.	Position	Band	SAR (W/kg)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
2#	Left cheek	GSM 850(Ant0)	0.793	2.84	-4.98	-0.08	75.899	1.795	0.03	Not Required
		WiFi 5G Chain1	0.420	1.34	2.46	-0.02				
		BT	0.582	1.01	1.98	-0.49				
	Left cheek	GSM 850(Ant0)	0.793	2.84	-4.98	-0.08	72.082	1.795	0.03	Not Required
		BT	0.582	1.01	1.98	-0.49				
		WiFi 5G Chain1	0.420	1.340	2.460	-0.020				



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Case No.	Position	Band	SAR (W/kg)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
3#	Left cheek	GSM 850(Ant0)	0.793	2.84	-4.98	-0.08	75.379	1.828	0.03	Not Required
		WIFI 5G MIMO	0.453	1.41	2.42	-0.2				
		BT	0.582	1.01	1.98	-0.49				
	Left cheek	GSM 850(Ant0)	0.793	2.84	-4.98	-0.08	72.082	1.828	0.03	Not Required
		BT	0.582	1.010	1.980	-0.490				
		WIFI 5G MIMO	0.453	1.410	2.420	-0.200				



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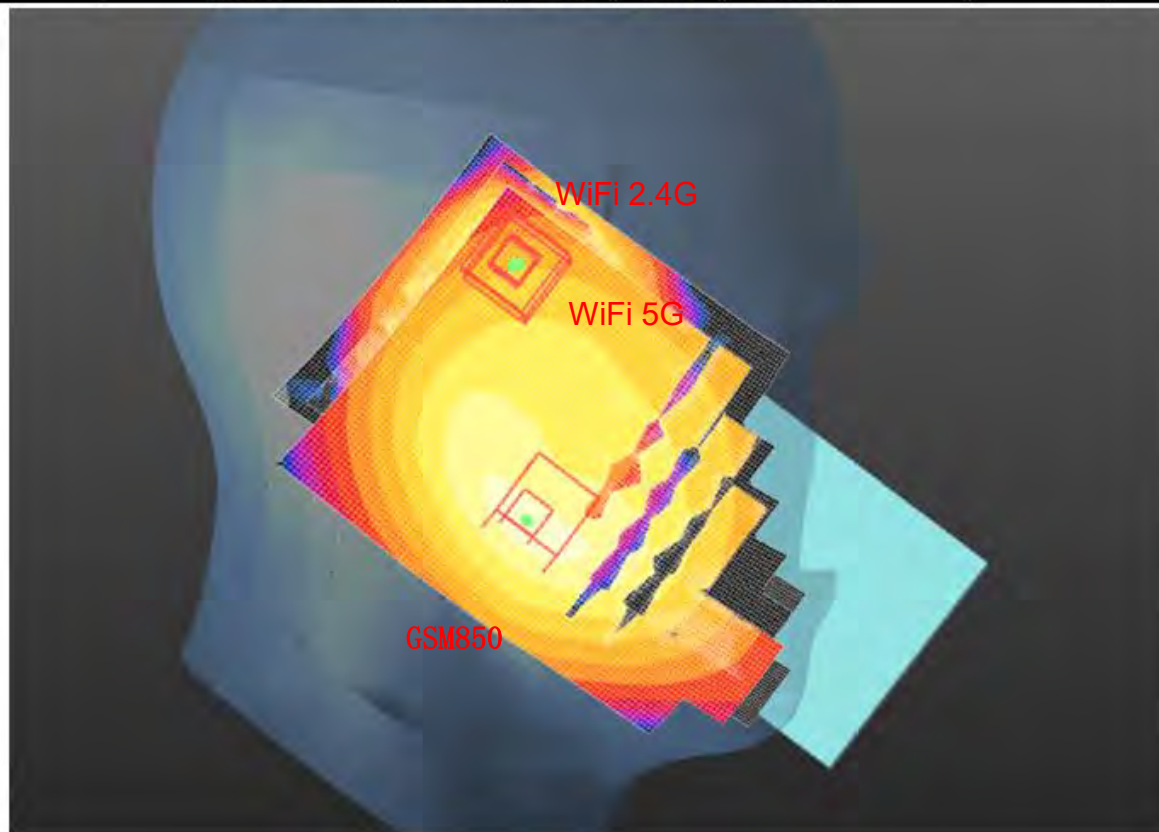
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Case No.	Position	Band	SAR (W/kg)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
4#	Left cheek	GSM 850(Ant0)	0.793	2.84	-4.98	-0.08	73.026	1.717	0.03	Not Required
		WIFI 2.4G Chain0	0.504	0.99	2.07	-0.53				
		WIFI 5G Chain1	0.420	1.34	2.46	-0.02				
	Left cheek	GSM 850(Ant0)	0.793	2.84	-4.98	-0.08	75.899	1.717	0.03	Not Required
		WIFI 5G Chain1	0.420	1.340	2.460	-0.020				
		WIFI 2.4G Chain0	0.504	0.990	2.070	-0.530				



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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 3	1912	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 4	1640	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 7	1027	NCR	NCR
☒	Twin Phantom	SPEAG	SAM 8	1063	NCR	NCR
☒	DAE	SPEAG	DAE4	1267	2019-12-17	2020-12-16
☒	DAE	SPEAG	DAE4	871	2019-06-27	2020-06-26
☒	DAE	SPEAG	DAE4	896	2019-09-18	2020-09-17
☒	E-Field Probe	SPEAG	EX3DV4	3923	2019-10-22	2020-10-21
☒	E-Field Probe	SPEAG	EX3DV4	3793	2019-03-25	2020-03-24
☒	E-Field Probe	SPEAG	EX3DV4	3982	2019-09-11	2020-09-10
☒	Validation Kits	SPEAG	D750V3	1160	2019-05-22	2022-05-21
☒	Validation Kits	SPEAG	D835V2	4d105	2019-12-17	2022-12-16
☒	Validation Kits	SPEAG	D1750V2	1149	2019-05-21	2022-05-20
☒	Validation Kits	SPEAG	D1900V2	5d028	2019-12-17	2022-12-16
☒	Validation Kits	SPEAG	D2300V2	1072	2019-05-21	2022-05-20
☒	Validation Kits	SPEAG	D2450V2	733	2019-12-17	2022-12-16
☒	Validation Kits	SPEAG	D2600V2	1125	2019-05-20	2022-05-19

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☒	Validation Kits	SPEAG	D5GHzV2	1165	2019-12-20	2022-12-19
☒	Agilent Network Analyzer	Agilent	E5071C	MY46523590	2019-04-12	2020-04-11
☒	Dielectric Probe Kit	Agilent	85070E	US01440210	NCR	NCR
☒	Universal Radio Communication Tester	R&S	CMW500	103990	2019-04-09	2020-04-08
☒	Radio Communication Analyzer	Anritsu	MT8821C	6201502984	2019-06-25	2020-06-24
☒	RF Bi-Directional Coupler	Agilent	86205-60001	MY31400031	NCR	NCR
☒	Signal Generator	Agilent	N5171B	MY53050736	2019-04-12	2020-04-11
☒	Preamplifier	Mini-Circuits	ZHL-42W	15542	NCR	NCR
☒	Preamplifier	Compliance Directions Systems Inc.	AMP28-3W	073501433	NCR	NCR
☒	Power Meter	Agilent	E4416A	GB41292095	2019-04-12	2020-04-11
☒	Power Sensor	Agilent	8481H	MY41091234	2019-04-12	2020-04-11
☒	Power Sensor	R&S	NRP-Z92	100025	2019-04-12	2020-04-11
☒	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
☒	DC POWER SUPPLY	SAKO	SK1730SL5A	NA	NCR	NCR
☒	Speed reading thermometer	MingGao	T809	NA	2019-04-15	2020-04-14
☒	Humidity and Temperature Indicator	KIMTOKA	KIMTOKA	NA	2019-04-15	2020-04-14

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

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Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

---END---

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