

FCC SAR Test Report

LTE Band / BW	RB Size	RB Offset	QPSK					3GPP MPR (dB)	16QAM					3GPP MPR (dB)
			L-CH 39675	M-CH 40148	M-CH 40620	M-CH 41093	H-CH 41565		L-CH 39675	M-CH 40148	M-CH 40620	M-CH 41093	H-CH 41565	
			2498.5 MHz	2545.8 MHz	2593.0 MHz	2640.3 MHz	2687.5 MHz		2498.5 MHz	2545.8 MHz	2593.0 MHz	2640.3 MHz	2687.5 MHz	
41 / 5M	1	0	22.14	21.99	22.16	21.94	21.94	0	20.83	20.77	20.94	20.59	20.72	1
	1	12	21.98	21.83	22.05	21.73	21.81	0	21.12	21.07	21.26	20.93	21.02	1
	1	24	21.69	21.57	21.80	21.43	21.50	0	20.75	20.63	20.87	20.54	20.60	1
	12	0	20.86	20.76	20.99	20.69	20.74	1	19.95	19.81	20.05	19.78	19.88	2
	12	6	20.84	20.80	20.92	20.67	20.64	1	19.85	19.83	19.97	19.68	19.75	2
	12	13	20.72	20.62	20.90	20.53	20.62	1	19.72	19.61	19.87	19.60	19.64	2
	25	0	20.94	20.85	21.02	20.71	20.80	1	19.86	19.71	19.89	19.61	19.72	2

LTE Band / BW	RB Size	RB Offset	64QAM					3GPP MPR (dB)
			L-CH 39675	M-CH 40148	M-CH 40620	M-CH 41093	H-CH 41565	
			2498.5 MHz	2545.8 MHz	2593.0 MHz	2640.3 MHz	2687.5 MHz	
41 / 5M	1	0	19.97	19.92	20.13	19.83	19.90	2
	1	12	19.96	19.87	20.04	19.85	19.79	2
	1	24	19.93	19.88	20.12	19.77	19.91	2
	12	0	19.07	18.95	19.05	18.88	18.93	3
	12	6	18.91	18.87	19.07	18.81	18.83	3
	12	13	19.07	18.97	19.10	18.87	18.93	3
	25	0	19.01	18.89	19.14	18.80	18.84	3

LTE Band / BW	RB Size	RB Offset	QPSK					3GPP MPR (dB)	16QAM					3GPP MPR (dB)
			L-CH 39700	M-CH 40160	M-CH 40620	M-CH 41080	H-CH 41540		L-CH 39700	M-CH 40160	M-CH 40620	M-CH 41080	H-CH 41540	
			2501.0 MHz	2547.0 MHz	2593.0 MHz	2639.0 MHz	2685.0 MHz		2501.0 MHz	2547.0 MHz	2593.0 MHz	2639.0 MHz	2685.0 MHz	
41 / 10M	1	0	22.11	22.02	22.16	21.92	21.92	0	20.83	20.74	20.90	20.65	20.72	1
	1	24	21.98	21.83	22.06	21.69	21.86	0	21.17	21.03	21.29	20.92	21.01	1
	1	49	21.66	21.61	21.76	21.49	21.48	0	20.75	20.64	20.84	20.60	20.57	1
	25	0	20.87	20.75	21.02	20.65	20.78	1	19.97	19.79	20.11	19.74	19.84	2
	25	12	20.90	20.74	20.92	20.67	20.70	1	19.89	19.77	20.02	19.71	19.74	2
	25	25	20.70	20.59	20.89	20.59	20.63	1	19.71	19.62	19.84	19.59	19.59	2
	50	0	20.99	20.85	20.99	20.74	20.80	1	19.90	19.70	19.93	19.60	19.65	2

LTE Band / BW	RB Size	RB Offset	64QAM					3GPP MPR (dB)
			L-CH 39700	M-CH 40160	M-CH 40620	M-CH 41080	H-CH 41540	
			2501.0 MHz	2547.0 MHz	2593.0 MHz	2639.0 MHz	2685.0 MHz	
41 / 10M	1	0	19.96	19.93	20.10	19.86	19.93	2
	1	24	20.01	19.83	20.08	19.78	19.76	2
	1	49	19.99	19.82	20.09	19.80	19.86	2
	25	0	19.05	18.92	19.11	18.82	18.88	3
	25	12	18.98	18.86	19.01	18.83	18.85	3
	25	25	19.06	18.94	19.12	18.84	18.95	3
	50	0	19.06	18.85	19.15	18.86	18.86	3

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LTE Band / BW	RB Size	RB Offset	QPSK					3GPP MPR (dB)	16QAM					3GPP MPR (dB)
			L-CH 39725	M-CH 40173	M-CH 40620	M-CH 41068	H-CH 41515		L-CH 39725	M-CH 40173	M-CH 40620	M-CH 41068	H-CH 41515	
			2503.5 MHz	2548.3 MHz	2593.0 MHz	2637.8 MHz	2682.5 MHz		2503.5 MHz	2548.3 MHz	2593.0 MHz	2637.8 MHz	2682.5 MHz	
41 / 15M	1	0	22.18	22.02	22.13	21.97	21.94	0	20.87	20.81	20.90	20.60	20.75	1
	1	37	21.96	21.88	22.01	21.69	21.86	0	21.16	21.04	21.29	20.89	20.96	1
	1	74	21.72	21.64	21.77	21.45	21.50	0	20.71	20.69	20.86	20.60	20.61	1
	36	0	20.84	20.76	21.03	20.69	20.80	1	20.01	19.79	20.12	19.78	19.89	2
	36	19	20.91	20.79	20.92	20.72	20.65	1	19.83	19.81	19.98	19.68	19.75	2
	36	39	20.68	20.60	20.89	20.55	20.66	1	19.76	19.60	19.87	19.59	19.64	2
	75	0	20.99	20.83	21.04	20.76	20.77	1	19.91	19.73	19.86	19.58	19.67	2

LTE Band / BW	RB Size	RB Offset	64QAM					3GPP MPR (dB)
			L-CH 39725	M-CH 40173	M-CH 40620	M-CH 41068	H-CH 41515	
			2503.5 MHz	2548.3 MHz	2593.0 MHz	2637.8 MHz	2682.5 MHz	
41 / 15M	1	0	19.98	19.94	20.11	19.85	19.94	2
	1	37	20.02	19.82	20.05	19.85	19.76	2
	1	74	19.95	19.81	20.12	19.76	19.91	2
	36	0	19.10	18.98	19.05	18.87	18.92	3
	36	19	18.92	18.80	19.03	18.85	18.84	3
	36	39	19.09	19.01	19.14	18.84	18.95	3
	75	0	19.05	18.83	19.16	18.86	18.89	3

LTE Band / BW	RB Size	RB Offset	QPSK					3GPP MPR (dB)	16QAM					3GPP MPR (dB)
			L-CH 39750	M-CH 40185	M-CH 40620	M-CH 41055	H-CH 41490		L-CH 39750	M-CH 40185	M-CH 40620	M-CH 41055	H-CH 41490	
			2506.0 MHz	2549.5 MHz	2593.0 MHz	2636.5 MHz	2680.0 MHz		2506.0 MHz	2549.5 MHz	2593.0 MHz	2636.5 MHz	2680.0 MHz	
41 / 20M	1	0	22.19	22.06	22.21	21.99	22.00	0	20.90	20.82	20.96	20.67	20.77	1
	1	50	22.00	21.91	22.07	21.77	21.88	0	21.20	21.09	21.31	20.97	21.03	1
	1	99	21.74	21.65	21.81	21.51	21.56	0	20.77	20.71	20.89	20.62	20.65	1
	50	0	20.90	20.81	21.04	20.73	20.81	1	20.03	19.87	20.13	19.82	19.90	2
	50	25	20.92	20.81	20.97	20.73	20.72	1	19.91	19.85	20.03	19.74	19.80	2
	50	50	20.76	20.67	20.91	20.60	20.68	1	19.79	19.66	19.89	19.61	19.66	2
	100	0	21.00	20.87	21.07	20.79	20.82	1	19.92	19.78	19.94	19.66	19.73	2

LTE Band / BW	RB Size	RB Offset	64QAM					3GPP MPR (dB)
			L-CH 39750	M-CH 40185	M-CH 40620	M-CH 41055	H-CH 41490	
			2506.0 MHz	2549.5 MHz	2593.0 MHz	2636.5 MHz	2680.0 MHz	
41 / 20M	1	0	20.04	19.97	20.15	19.88	19.95	2
	1	50	20.04	19.89	20.10	19.86	19.84	2
	1	99	20.01	19.89	20.14	19.82	19.92	2
	50	0	19.11	19.00	19.13	18.90	18.95	3
	50	25	18.99	18.88	19.09	18.86	18.88	3
	50	50	19.11	19.02	19.18	18.89	18.97	3
	100	0	19.07	18.91	19.17	18.88	18.92	3

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LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 131979	Mid CH 132322	High CH 132665		Low CH 131979	Mid CH 132322	High CH 132665		Low CH 131979	Mid CH 132322	High CH 132665	
			1710.7 MHz	1745.0 MHz	1779.3 MHz		1710.7 MHz	1745.0 MHz	1779.3 MHz		1710.7 MHz	1745.0 MHz	1779.3 MHz	
66 / 1.4M	1	0	20.35	20.50	20.37	0	19.21	19.30	19.21	1	18.33	18.47	18.43	2
	1	2	20.42	20.39	20.44	0	19.42	19.44	19.47	1	18.25	18.35	18.28	2
	1	5	20.51	20.56	20.49	0	19.69	19.79	19.79	1	18.62	18.63	18.69	2
	3	0	20.15	20.27	20.27	0	19.18	19.20	19.21	1	18.13	18.23	18.09	2
	3	1	20.23	20.30	20.15	0	19.09	19.29	19.18	1	18.14	18.26	18.18	2
	3	3	20.12	20.19	20.20	0	19.21	19.26	19.28	1	18.18	18.25	18.23	2
	6	0	19.20	19.21	19.20	1	18.15	18.24	18.12	2	17.22	17.24	17.25	3

LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 131987	Mid CH 132322	High CH 132657		Low CH 131987	Mid CH 132322	High CH 132657		Low CH 131987	Mid CH 132322	High CH 132657	
			1711.5 MHz	1745.0 MHz	1778.5 MHz		1711.5 MHz	1745.0 MHz	1778.5 MHz		1711.5 MHz	1745.0 MHz	1778.5 MHz	
66 / 3M	1	0	20.37	20.52	20.36	0	19.18	19.36	19.24	1	18.39	18.50	18.37	2
	1	7	20.38	20.40	20.44	0	19.39	19.47	19.45	1	18.28	18.29	18.27	2
	1	14	20.47	20.56	20.49	0	19.72	19.79	19.79	1	18.63	18.65	18.69	2
	8	0	19.14	19.30	19.27	1	18.14	18.21	18.21	2	17.16	17.27	17.10	3
	8	3	19.16	19.30	19.17	1	18.14	18.24	18.21	2	17.18	17.20	17.23	3
	8	7	19.09	19.26	19.24	1	18.23	18.24	18.24	2	17.15	17.29	17.19	3
	15	0	19.17	19.22	19.14	1	18.15	18.18	18.15	2	17.24	17.21	17.29	3

LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 131997	Mid CH 132322	High CH 132647		Low CH 131997	Mid CH 132322	High CH 132647		Low CH 131997	Mid CH 132322	High CH 132647	
			1712.5 MHz	1745.0 MHz	1777.5 MHz		1712.5 MHz	1745.0 MHz	1777.5 MHz		1712.5 MHz	1745.0 MHz	1777.5 MHz	
66 / 5M	1	0	20.38	20.47	20.37	0	19.19	19.32	19.24	1	18.33	18.47	18.43	2
	1	12	20.43	20.37	20.44	0	19.36	19.50	19.44	1	18.25	18.35	18.27	2
	1	24	20.48	20.55	20.53	0	19.72	19.79	19.78	1	18.56	18.70	18.69	2
	12	0	19.17	19.30	19.24	1	18.14	18.19	18.18	2	17.17	17.24	17.09	3
	12	6	19.16	19.31	19.18	1	18.11	18.28	18.17	2	17.12	17.27	17.22	3
	12	13	19.13	19.22	19.25	1	18.18	18.26	18.27	2	17.19	17.28	17.16	3
	25	0	19.15	19.25	19.17	1	18.15	18.19	18.12	2	17.20	17.27	17.27	3

LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 132022	Mid CH 132322	High CH 132622		Low CH 132022	Mid CH 132322	High CH 132622		Low CH 132022	Mid CH 132322	High CH 132622	
			1715.0 MHz	1745.0 MHz	1775.0 MHz		1715.0 MHz	1745.0 MHz	1775.0 MHz		1715.0 MHz	1745.0 MHz	1775.0 MHz	
66 / 10M	1	0	20.35	20.50	20.37	0	19.19	19.29	19.20	1	18.32	18.48	18.40	2
	1	24	20.43	20.37	20.45	0	19.41	19.46	19.47	1	18.30	18.31	18.31	2
	1	49	20.45	20.59	20.49	0	19.72	19.80	19.75	1	18.62	18.64	18.66	2
	25	0	19.18	19.29	19.27	1	18.16	18.17	18.24	2	17.15	17.21	17.15	3
	25	12	19.22	19.25	19.18	1	18.15	18.22	18.22	2	17.19	17.26	17.16	3
	25	25	19.11	19.19	19.24	1	18.17	18.27	18.24	2	17.18	17.25	17.18	3
	50	0	19.20	19.25	19.14	1	18.19	18.18	18.16	2	17.25	17.23	17.28	3

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LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 132047	Mid CH 132322	High CH 132597		Low CH 132047	Mid CH 132322	High CH 132597		Low CH 132047	Mid CH 132322	High CH 132597	
			1717.5 MHz	1745.0 MHz	1772.5 MHz		1717.5 MHz	1745.0 MHz	1772.5 MHz		1717.5 MHz	1745.0 MHz	1772.5 MHz	
66 / 15M	1	0	20.42	20.50	20.34	0	19.23	19.36	19.20	1	18.34	18.49	18.41	2
	1	37	20.41	20.42	20.40	0	19.40	19.47	19.47	1	18.31	18.30	18.28	2
	1	74	20.51	20.62	20.50	0	19.68	19.85	19.77	1	18.58	18.63	18.69	2
	36	0	19.15	19.30	19.28	1	18.20	18.17	18.25	2	17.20	17.27	17.09	3
	36	19	19.23	19.30	19.18	1	18.09	18.26	18.18	2	17.13	17.20	17.18	3
	36	39	19.09	19.20	19.24	1	18.22	18.25	18.27	2	17.21	17.32	17.20	3
	75	0	19.20	19.23	19.19	1	18.20	18.21	18.09	2	17.24	17.21	17.29	3

LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 132072	Mid CH 132322	High CH 132572		Low CH 132072	Mid CH 132322	High CH 132572		Low CH 132072	Mid CH 132322	High CH 132572	
			1720.0 MHz	1745.0 MHz	1770.0 MHz		1720.0 MHz	1745.0 MHz	1770.0 MHz		1720.0 MHz	1745.0 MHz	1770.0 MHz	
66 / 20M	1	0	20.43	20.54	20.42	0	19.26	19.37	19.26	1	18.40	18.52	18.45	2
	1	50	20.45	20.65	20.46	0	19.44	19.52	19.49	1	18.33	18.37	18.33	2
	1	99	20.53	20.63	20.54	0	19.74	19.87	19.80	1	18.64	18.71	18.71	2
	50	0	19.21	19.35	19.29	1	18.22	18.25	18.26	2	17.21	17.29	17.17	3
	50	25	19.24	19.32	19.23	1	18.17	18.30	18.23	2	17.20	17.28	17.24	3
	50	50	19.17	19.27	19.26	1	18.25	18.31	18.29	2	17.23	17.33	17.24	3
	100	0	19.21	19.27	19.22	1	18.21	18.26	18.17	2	17.26	17.29	17.30	3

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LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 133147	Mid CH 133247	High CH 133447		Low CH 133147	Mid CH 133247	High CH 133447		Low CH 133147	Mid CH 133247	High CH 133447	
			665.5 MHz	675.5 MHz	695.5 MHz		665.5 MHz	675.5 MHz	695.5 MHz		665.5 MHz	675.5 MHz	695.5 MHz	
71 / 5M	1	0	21.46	21.47	21.43	0	20.82	20.87	20.84	1	19.85	19.90	19.87	2
	1	12	22.10	22.07	22.07	0	21.24	21.33	21.24	1	20.26	20.35	20.25	2
	1	24	21.94	21.94	21.95	0	21.22	21.19	21.19	1	20.04	20.14	20.07	2
	12	0	20.74	20.76	20.70	0	19.72	19.77	19.69	1	18.72	18.74	18.65	2
	12	6	21.05	21.15	21.05	0	20.08	20.15	20.05	1	19.06	19.16	19.09	2
	12	13	21.00	21.02	21.00	0	20.00	20.05	20.02	1	19.01	19.03	18.94	2
	25	0	21.10	21.17	21.08	1	20.20	20.22	20.18	2	19.05	19.12	19.05	3

LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 133172	Mid CH 133272	High CH 133422		Low CH 133172	Mid CH 133272	High CH 133422		Low CH 133172	Mid CH 133272	High CH 133422	
			668 MHz	678 MHz	693 MHz		668 MHz	678 MHz	693 MHz		668 MHz	678 MHz	693 MHz	
71 / 10M	1	0	21.43	21.50	21.43	0	20.82	20.84	20.80	1	19.84	19.91	19.84	2
	1	24	22.10	22.07	22.08	0	21.29	21.29	21.27	1	20.31	20.31	20.29	2
	1	49	21.91	21.98	21.91	0	21.22	21.20	21.16	1	20.10	20.08	20.04	2
	25	0	20.75	20.75	20.73	1	19.74	19.75	19.75	2	18.70	18.71	18.71	3
	25	12	21.11	21.09	21.05	1	20.12	20.09	20.10	2	19.13	19.15	19.03	3
	25	25	20.98	20.99	20.99	1	19.99	20.06	19.99	2	19.00	19.00	18.96	3
	50	0	21.15	21.17	21.05	1	20.24	20.21	20.22	2	19.10	19.08	19.06	3

LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 133197	Mid CH 133297	High CH 133397		Low CH 133197	Mid CH 133297	High CH 133397		Low CH 133197	Mid CH 133297	High CH 133397	
			670.5 MHz	680.5 MHz	690.5 MHz		670.5 MHz	680.5 MHz	690.5 MHz		670.5 MHz	680.5 MHz	690.5 MHz	
71 / 15M	1	0	21.50	21.50	21.40	0	20.86	20.91	20.80	1	19.86	19.92	19.85	2
	1	37	22.08	22.12	22.03	0	21.28	21.30	21.27	1	20.32	20.30	20.26	2
	1	74	21.97	22.01	21.92	0	21.18	21.25	21.18	1	20.06	20.07	20.07	2
	36	0	20.72	20.76	20.74	1	19.78	19.75	19.76	2	18.75	18.77	18.65	3
	36	19	21.12	21.14	21.05	1	20.06	20.13	20.06	2	19.07	19.09	19.05	3
	36	39	20.96	21.00	20.99	1	20.04	20.04	20.02	2	19.03	19.07	18.98	3
	75	0	21.15	21.15	21.10	1	20.25	20.24	20.15	2	19.09	19.06	19.07	3

LTE Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH 133222	Mid CH 133322	High CH 133372		Low CH 133222	Mid CH 133322	High CH 133372		Low CH 133222	Mid CH 133322	High CH 133372	
			673 MHz	683 MHz	688 MHz		673 MHz	683 MHz	688 MHz		673 MHz	683 MHz	688 MHz	
71 / 20M	1	0	21.51	21.54	21.48	0	20.89	20.92	20.86	1	19.92	19.95	19.89	2
	1	50	22.12	22.15	22.09	0	21.32	21.35	21.29	1	20.34	20.37	20.31	2
	1	99	21.99	22.02	21.96	0	21.24	21.27	21.21	1	20.12	20.15	20.09	2
	50	0	20.78	20.81	20.75	1	19.80	19.83	19.77	2	18.76	18.79	18.73	3
	50	25	21.13	21.16	21.10	1	20.14	20.17	20.11	2	19.14	19.17	19.11	3
	50	50	21.04	21.07	21.01	1	20.07	20.10	20.04	2	19.05	19.08	19.02	3
	100	0	21.16	21.19	21.13	1	20.26	20.29	20.23	2	19.11	19.14	19.08	3

FCC SAR Test Report

<Power for LTE Uplink CA>

The conducted power for uplink CA active was measured on the highest reported SAR configuration for each exposure condition with both two carrier components was set to largest channel bandwidth.

7C							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	0	0	0	19.28
			1	99	1	0	21.45
		16QAM	1	0	0	0	18.73
			1	99	1	0	20.76
		64QAM	1	0	0	0	18.47
			1	99	1	0	19.79
21001	21199	QPSK	1	0	0	0	19.17
			1	99	1	0	21.07
		16QAM	1	0	0	0	18.52
			1	99	1	0	20.60
		64QAM	1	0	0	0	18.17
			1	99	1	0	19.51
21152	21350	QPSK	1	0	0	0	19.21
			1	99	1	0	21.64
		16QAM	1	0	0	0	18.52
			1	99	1	0	20.92
		64QAM	1	0	0	0	18.03
			1	99	1	0	19.87

FCC SAR Test Report

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)
	802.11b 1Mbps	1	2412	12.90
		6	2437	14.14
		11	2462	15.18
	802.11g 6Mbps	1	2412	14.30
		6	2437	14.92
		11	2462	14.35
	802.11n-HT20 MCS0	1	2412	14.08
		6	2437	14.70
		11	2462	14.10
	802.11n-HT40 MCS0	3	2422	14.20
		6	2437	16.22
		9	2452	13.74

FCC SAR Test Report

Bluetooth			
Mode	Channel	Frequency (MHz)	Average Power (dBm)
BR / EDR	0	2402	3.47
	39	2441	3.68
	78	2480	5.20
BLE 1Mbps	0	2402	2.51
	19	2440	2.54
	39	2480	4.38
BLE 2Mbps	0	2402	-0.32
	19	2440	0.12
	39	2480	1.60
BLE S2	0	2402	2.11
	19	2440	2.36
	39	2480	3.88
BLE S8	0	2402	3.75
	19	2440	4.07
	39	2480	5.56
2 nd BLE 1Mbps	0	2402	3.08
	19	2440	3.81
	39	2480	4.51
2 nd BLE 2Mbps	0	2402	1.62
	19	2440	2.55
	39	2480	3.11
2 nd BLE S2	0	2402	3.38
	19	2440	3.94
	39	2480	4.51
2 nd BLE S8	0	2402	3.47
	19	2440	4.37
	39	2480	4.94

FCC SAR Test Report

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)
	802.11a 6Mbps	36	5180	13.62
		40	5200	15.76
		44	5220	15.85
		48	5240	15.95
	802.11n-HT20 MCS0	36	5180	12.94
		40	5200	15.50
		44	5220	15.69
		48	5240	15.68
	802.11n-HT40 MCS0	38	5190	9.12
		46	5230	15.40
	802.11ac-VHT20 MCS0	36	5180	12.92
		40	5200	15.48
		44	5220	15.72
		48	5240	15.67
	802.11ac-VHT40 MCS0	38	5190	9.11
		46	5230	15.38
	802.11ac-VHT80 MCS0	42	5210	7.48

FCC SAR Test Report

5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)
	802.11a 6Mbps	52	5260	15.70
		56	5280	15.71
		60	5300	15.92
		64	5320	14.78
	802.11n-HT20 MCS0	52	5260	15.85
		56	5280	15.62
		60	5300	15.72
		64	5320	13.55
	802.11n-HT40 MCS0	54	5270	14.85
		62	5310	9.30
	802.11ac-VHT20 MCS0	52	5260	15.82
		56	5280	15.60
		60	5300	15.70
		64	5320	13.52
	802.11ac-VHT40 MCS0	54	5270	15.36
		62	5310	10.45
	802.11ac-VHT80 MCS0	58	5290	9.50

FCC SAR Test Report

5.6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)
	802.11a 6Mbps	100	5500	14.45
		116	5580	14.72
		124	5620	16.85
		132	5660	16.40
		140	5700	14.40
		144	5720	16.58
	802.11n-HT20 MCS0	100	5500	14.22
		116	5580	14.52
		124	5620	15.90
		132	5660	15.41
		140	5700	14.38
		144	5720	15.60
	802.11n-HT40 MCS0	102	5510	13.78
		110	5550	14.12
		126	5630	16.22
		134	5670	13.80
		142	5710	15.57
	802.11ac-VHT20 MCS0	100	5500	14.20
		116	5580	14.48
		124	5620	15.84
		132	5660	15.40
		140	5700	13.40
		144	5720	15.59
	802.11ac-VHT40 MCS0	102	5510	12.80
		110	5550	14.10
		126	5630	15.38
		134	5670	15.54
		142	5710	14.83
	802.11ac-VHT80 MCS0	106	5530	10.64
		122	5610	14.35
		138	5690	13.60

FCC SAR Test Report

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)
	802.11a 6Mbps	149	5745	17.52
		157	5785	17.54
		165	5825	16.88
	802.11n-HT20 MCS0	149	5745	16.50
		157	5785	16.70
		165	5825	15.92
	802.11n-HT40 MCS0	151	5755	16.75
		159	5795	16.76
	802.11ac-VHT20 MCS0	149	5745	16.42
		157	5785	16.68
		165	5825	15.90
	802.11ac-VHT40 MCS0	151	5755	15.78
		159	5795	15.94
	802.11ac-VHT80 MCS0	155	5775	14.80

4.6 SAR Testing Results

4.6.1 SAR Test Reduction Considerations

<KDB 447498 D01, General RF Exposure Guidance>

Testing of other required channels within the operating mode of a frequency band is not required when the reported SAR for the mid-band or highest output power channel is:

- (1) ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- (2) ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- (3) ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

<KDB 941225 D01, 3G SAR Measurement Procedures>

The mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/4$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

<KDB 941225 D05, SAR Evaluation Considerations for LTE Devices>

(1) QPSK with 1 RB and 50% RB allocation

Start with the largest channel bandwidth and measure SAR, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

(2) QPSK with 100% RB allocation

SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

(3) Higher order modulations

SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> 1/2$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

(4) Other channel bandwidth

SAR is required when the highest maximum output power of the smaller channel bandwidth is $> 1/2$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.

<KDB 248227 D01, SAR Guidance for Wi-Fi Transmitters>

- (1) For handsets operating next to ear, hotspot mode or mini-tablet configurations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When the reported SAR of initial test position is ≤ 0.4 W/kg, SAR testing for remaining test positions is not required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
- (2) For WLAN 2.4 GHz, the highest measured maximum output power channel for DSSS was selected for SAR measurement. When the reported SAR is ≤ 0.8 W/kg, no further SAR testing is required. Otherwise, SAR is evaluated at the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel. For OFDM modes (802.11g/n), SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and it is ≤ 1.2 W/kg.
- (3) For WLAN 5 GHz, the initial test configuration was selected according to the transmission mode with the highest maximum output power. When the reported SAR of initial test configuration is > 0.8 W/kg, SAR is required for the subsequent highest measured output power channel until the reported SAR result is ≤ 1.2 W/kg or all required channels are measured. For other transmission modes, SAR is not required when the highest reported SAR for initial test configuration is adjusted by the ratio of subsequent test configuration to initial test configuration specified maximum output power and it is ≤ 1.2 W/kg.
- (4) For WLAN MIMO mode, the power-based standalone SAR test exclusion or the sum of SAR provision in KDB 447498 to determine simultaneous transmission SAR test exclusion should be applied. Otherwise, SAR for MIMO mode will be measured with all applicable antennas transmitting simultaneously at the specified maximum output power of MIMO operation.

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4.6.2 SAR Results for Head Exposure Condition

Plot No.	Band	Mode	Test Position	Ch.	Sample	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS10	Right Cheek	251	1	30.5	30.05	0.06	0.308	1.11	0.34
	GSM850	GPRS10	Right Tilted	251	1	30.5	30.05	0.01	0.213	1.11	0.24
	GSM850	GPRS10	Left Cheek	251	1	30.5	30.05	0.05	0.307	1.11	0.34
	GSM850	GPRS10	Left Tilted	251	1	30.5	30.05	0.03	0.201	1.11	0.22
1	GSM850	GPRS10	Right Cheek	128	1	30.5	29.98	0.16	0.505	1.13	0.57
	GSM850	GPRS10	Right Cheek	189	1	30.5	29.99	0.11	0.372	1.12	0.42
	GSM850	GPRS10	Right Cheek	128	2	30.5	29.98	0.02	0.442	1.13	0.50
2	GSM1900	GPRS11	Right Cheek	810	1	26.5	25.84	0.05	0.131	1.16	0.15
	GSM1900	GPRS11	Right Tilted	810	1	26.5	25.84	0.01	0.058	1.16	0.07
	GSM1900	GPRS11	Left Cheek	810	1	26.5	25.84	-0.09	0.115	1.16	0.13
	GSM1900	GPRS11	Left Tilted	810	1	26.5	25.84	0.04	0.097	1.16	0.11
	GSM1900	GPRS11	Right Cheek	512	1	26.5	25.36	-0.09	0.082	1.30	0.11
	GSM1900	GPRS11	Right Cheek	661	1	26.5	25.69	0.04	0.117	1.21	0.14
	GSM1900	GPRS11	Right Cheek	810	2	26.5	25.84	0.03	0.122	1.16	0.14
3	WCDMA II	RMC12.2K	Right Cheek	9538	1	22.0	21.73	0.02	0.137	1.06	0.15
	WCDMA II	RMC12.2K	Right Tilted	9538	1	22.0	21.73	0.01	0.044	1.06	0.05
	WCDMA II	RMC12.2K	Left Cheek	9538	1	22.0	21.73	0.06	0.083	1.06	0.09
	WCDMA II	RMC12.2K	Left Tilted	9538	1	22.0	21.73	-0.05	0.066	1.06	0.07
	WCDMA II	RMC12.2K	Right Cheek	9262	1	22.0	21.55	0.1	0.083	1.11	0.09
	WCDMA II	RMC12.2K	Right Cheek	9400	1	22.0	21.62	0	0.110	1.09	0.12
	WCDMA II	RMC12.2K	Right Cheek	9538	2	22.0	21.73	0.12	0.123	1.06	0.13
	WCDMA IV	RMC12.2K	Right Cheek	1413	1	21.5	21.33	0.01	0.168	1.04	0.17
	WCDMA IV	RMC12.2K	Right Tilted	1413	1	21.5	21.33	0.07	0.093	1.04	0.10
	WCDMA IV	RMC12.2K	Left Cheek	1413	1	21.5	21.33	0.01	0.115	1.04	0.12
	WCDMA IV	RMC12.2K	Left Tilted	1413	1	21.5	21.33	-0.1	0.085	1.04	0.09
4	WCDMA IV	RMC12.2K	Right Cheek	1312	1	21.5	21.22	-0.05	0.204	1.07	0.22
	WCDMA IV	RMC12.2K	Right Cheek	1513	1	21.5	21.19	0.08	0.159	1.07	0.17
	WCDMA IV	RMC12.2K	Right Cheek	1312	2	21.5	21.22	0.06	0.203	1.07	0.22
	WCDMA V	RMC12.2K	Right Cheek	4233	1	24.0	23.28	0.14	0.359	1.18	0.42
	WCDMA V	RMC12.2K	Right Tilted	4233	1	24.0	23.28	0.05	0.263	1.18	0.31
	WCDMA V	RMC12.2K	Left Cheek	4233	1	24.0	23.28	0.07	0.354	1.18	0.42
	WCDMA V	RMC12.2K	Left Tilted	4233	1	24.0	23.28	0.08	0.264	1.18	0.31
5	WCDMA V	RMC12.2K	Right Cheek	4132	1	24.0	22.75	0.13	0.397	1.33	0.53
	WCDMA V	RMC12.2K	Right Cheek	4182	1	24.0	23.26	0	0.407	1.19	0.48
	WCDMA V	RMC12.2K	Right Cheek	4132	2	24.0	22.75	0.13	0.396	1.33	0.53

Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 5	QPSK10M	Right Cheek	20450	1	49	1	-	24.5	23.48	0.09	0.309	1.00	1.26	0.39
	LTE 5	QPSK10M	Right Tilted	20450	1	49	1	-	24.5	23.48	-0.05	0.271	1.00	1.26	0.34
	LTE 5	QPSK10M	Left Cheek	20450	1	49	1	-	24.5	23.48	0.03	0.319	1.00	1.26	0.40
	LTE 5	QPSK10M	Left Tilted	20450	1	49	1	-	24.5	23.48	0.08	0.233	1.00	1.26	0.29
	LTE 5	QPSK10M	Right Cheek	20450	25	0	1	-	23.5	22.27	0.11	0.239	1.00	1.33	0.32
	LTE 5	QPSK10M	Right Tilted	20450	25	0	1	-	23.5	22.27	0.11	0.193	1.00	1.33	0.26
	LTE 5	QPSK10M	Left Cheek	20450	25	0	1	-	23.5	22.27	0.05	0.236	1.00	1.33	0.31
	LTE 5	QPSK10M	Left Tilted	20450	25	0	1	-	23.5	22.27	0.05	0.174	1.00	1.33	0.23
6	LTE 5	QPSK10M	Left Cheek	20525	1	49	1	-	24.5	23.26	0.01	0.364	1.00	1.33	0.48
	LTE 5	QPSK10M	Left Cheek	20600	1	49	1	-	24.5	23.22	0.03	0.262	1.00	1.34	0.35
	LTE 5	QPSK10M	Left Cheek	20525	1	49	2	-	24.5	23.26	0	0.332	1.00	1.33	0.44
	LTE 7	QPSK20M	Right Cheek	21100	1	0	1	-	22.0	21.65	-0.02	0.088	1.00	1.08	0.10
	LTE 7	QPSK20M	Right Tilted	21100	1	0	1	-	22.0	21.65	0.09	0.034	1.00	1.08	0.04
7	LTE 7	QPSK20M	Left Cheek	21100	1	0	1	-	22.0	21.65	-0.02	0.225	1.00	1.08	0.24
	LTE 7	QPSK20M	Left Tilted	21100	1	0	1	-	22.0	21.65	0.01	0.055	1.00	1.08	0.06
	LTE 7	QPSK20M	Right Cheek	21100	50	50	1	-	21.0	20.43	0.05	0.066	1.00	1.14	0.08
	LTE 7	QPSK20M	Right Tilted	21100	50	50	1	-	21.0	20.43	-0.12	0.037	1.00	1.14	0.04
	LTE 7	QPSK20M	Left Cheek	21100	50	50	1	-	21.0	20.43	-0.03	0.173	1.00	1.14	0.20
	LTE 7	QPSK20M	Left Tilted	21100	50	50	1	-	21.0	20.43	0.01	0.041	1.00	1.14	0.05
	LTE 7	QPSK20M	Left Cheek	20850	1	0	1	-	22.0	21.57	-0.03	0.217	1.00	1.10	0.24
	LTE 7	QPSK20M	Left Cheek	21350	1	0	1	-	22.0	21.47	-0.03	0.207	1.00	1.13	0.23

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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 7	QPSK20M	Left Cheek	21100	1	0	2	-	22.0	21.65	-0.03	0.213	1.00	1.08	0.23
	LTE 7 (UL CA)	QPSK20M	Left Cheek	PCC:20850 SCC:21048	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.45	-0.08	0.141	1.00	1.14	0.16
	LTE 7 (UL CA)	QPSK20M	Left Cheek	PCC:21001 SCC:21199	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.07	0.09	0.181	1.00	1.24	0.22
	LTE 7 (UL CA)	QPSK20M	Left Cheek	PCC:21152 SCC:21350	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.64	-0.01	0.210	1.00	1.09	0.23
	LTE 12	QPSK10M	Right Cheek	23060	1	0	1	-	23.5	22.69	0.07	0.198	1.00	1.21	0.24
	LTE 12	QPSK10M	Right Tilted	23060	1	0	1	-	23.5	22.69	0.12	0.147	1.00	1.21	0.18
8	LTE 12	QPSK10M	Left Cheek	23060	1	0	1	-	23.5	22.69	0.01	0.296	1.00	1.21	0.36
	LTE 12	QPSK10M	Left Tilted	23060	1	0	1	-	23.5	22.69	0.05	0.182	1.00	1.21	0.22
	LTE 12	QPSK10M	Right Cheek	23060	25	25	1	-	22.5	21.77	0.07	0.120	1.00	1.18	0.14
	LTE 12	QPSK10M	Right Tilted	23060	25	25	1	-	22.5	21.77	0.08	0.091	1.00	1.18	0.11
	LTE 12	QPSK10M	Left Cheek	23060	25	25	1	-	22.5	21.77	0.02	0.173	1.00	1.18	0.20
	LTE 12	QPSK10M	Left Tilted	23060	25	25	1	-	22.5	21.77	-0.08	0.119	1.00	1.18	0.14
	LTE 12	QPSK10M	Left Cheek	23095	1	0	1	-	23.5	22.58	0.14	0.136	1.00	1.24	0.17
	LTE 12	QPSK10M	Left Cheek	23130	1	0	1	-	23.5	22.66	0.05	0.163	1.00	1.21	0.20
	LTE 12	QPSK10M	Left Cheek	23060	1	0	2	-	23.5	22.69	0.09	0.262	1.00	1.21	0.32
9	LTE 13	QPSK10M	Right Cheek	23230	1	0	1	-	24.0	23.15	0.09	0.372	1.00	1.22	0.45
	LTE 13	QPSK10M	Right Tilted	23230	1	0	1	-	24.0	23.15	0.16	0.224	1.00	1.22	0.27
	LTE 13	QPSK10M	Left Cheek	23230	1	0	1	-	24.0	23.15	0.09	0.295	1.00	1.22	0.36
	LTE 13	QPSK10M	Left Tilted	23230	1	0	1	-	24.0	23.15	0.03	0.208	1.00	1.22	0.25
	LTE 13	QPSK10M	Right Cheek	23230	25	0	1	-	23.0	22.09	0.04	0.235	1.00	1.23	0.29
	LTE 13	QPSK10M	Right Tilted	23230	25	0	1	-	23.0	22.09	0.02	0.156	1.00	1.23	0.19
	LTE 13	QPSK10M	Left Cheek	23230	25	0	1	-	23.0	22.09	0.12	0.219	1.00	1.23	0.27
	LTE 13	QPSK10M	Left Tilted	23230	25	0	1	-	23.0	22.09	-0.06	0.147	1.00	1.23	0.18
	LTE 13	QPSK10M	Right Cheek	23230	1	0	2	-	24.0	23.15	0.05	0.303	1.00	1.22	0.37
10	LTE 14	QPSK10M	Right Cheek	23330	1	0	1	-	24.0	23.34	0.09	0.318	1.00	1.16	0.37
	LTE 14	QPSK10M	Right Tilted	23330	1	0	1	-	24.0	23.34	0.09	0.196	1.00	1.16	0.23
	LTE 14	QPSK10M	Left Cheek	23330	1	0	1	-	24.0	23.34	0.11	0.284	1.00	1.16	0.33
	LTE 14	QPSK10M	Left Tilted	23330	1	0	1	-	24.0	23.34	0.14	0.183	1.00	1.16	0.21
	LTE 14	QPSK10M	Right Cheek	23330	25	0	1	-	23.0	22.35	0.13	0.221	1.00	1.16	0.26
	LTE 14	QPSK10M	Right Tilted	23330	25	0	1	-	23.0	22.35	0.18	0.145	1.00	1.16	0.17
	LTE 14	QPSK10M	Left Cheek	23330	25	0	1	-	23.0	22.35	0.13	0.208	1.00	1.16	0.24
	LTE 14	QPSK10M	Left Tilted	23330	25	0	1	-	23.0	22.35	0.16	0.141	1.00	1.16	0.16
	LTE 14	QPSK10M	Right Cheek	23330	1	0	2	-	24.0	23.34	0.11	0.274	1.00	1.16	0.32
	LTE 25	QPSK20M	Right Cheek	26365	1	0	1	-	21.5	20.86	0.05	0.113	1.00	1.16	0.13
	LTE 25	QPSK20M	Right Tilted	26365	1	0	1	-	21.5	20.86	-0.1	0.033	1.00	1.16	0.04
	LTE 25	QPSK20M	Left Cheek	26365	1	0	1	-	21.5	20.86	0.07	0.090	1.00	1.16	0.10
	LTE 25	QPSK20M	Left Tilted	26365	1	0	1	-	21.5	20.86	0.1	0.063	1.00	1.16	0.07
	LTE 25	QPSK20M	Right Cheek	26365	50	25	1	-	20.5	19.87	0.01	0.099	1.00	1.16	0.11
	LTE 25	QPSK20M	Right Tilted	26365	50	25	1	-	20.5	19.87	0.06	0.030	1.00	1.16	0.03
	LTE 25	QPSK20M	Left Cheek	26365	50	25	1	-	20.5	19.87	-0.08	0.074	1.00	1.16	0.09
	LTE 25	QPSK20M	Left Tilted	26365	50	25	1	-	20.5	19.87	-0.11	0.049	1.00	1.16	0.06
	LTE 25	QPSK20M	Right Cheek	26140	1	0	1	-	21.5	20.83	0.02	0.090	1.00	1.17	0.10
11	LTE 25	QPSK20M	Right Cheek	26590	1	0	1	-	21.5	20.74	0.04	0.122	1.00	1.19	0.15
	LTE 25	QPSK20M	Right Cheek	26590	1	0	2	-	21.5	20.74	0.04	0.119	1.00	1.19	0.14
	LTE 26	QPSK15M	Right Cheek	26965	1	74	1	-	24.5	23.84	0.17	0.358	1.00	1.16	0.42
	LTE 26	QPSK15M	Right Tilted	26965	1	74	1	-	24.5	23.84	0.03	0.238	1.00	1.16	0.28
12	LTE 26	QPSK15M	Left Cheek	26965	1	74	1	-	24.5	23.84	-0.01	0.374	1.00	1.16	0.44
	LTE 26	QPSK15M	Left Tilted	26965	1	74	1	-	24.5	23.84	0.06	0.196	1.00	1.16	0.23
	LTE 26	QPSK15M	Right Cheek	26965	36	0	1	-	23.5	22.81	0.02	0.299	1.00	1.17	0.35
	LTE 26	QPSK15M	Right Tilted	26965	36	0	1	-	23.5	22.81	0.01	0.191	1.00	1.17	0.22
	LTE 26	QPSK15M	Left Cheek	26965	36	0	1	-	23.5	22.81	0.12	0.299	1.00	1.17	0.35
	LTE 26	QPSK15M	Left Tilted	26965	36	0	1	-	23.5	22.81	0.09	0.157	1.00	1.17	0.18
	LTE 26	QPSK15M	Left Cheek	26765	1	74	1	-	24.5	23.55	0.05	0.347	1.00	1.24	0.43
	LTE 26	QPSK15M	Left Cheek	26865	1	74	1	-	24.5	23.77	0.17	0.365	1.00	1.18	0.43
	LTE 26	QPSK15M	Left Cheek	26915	1	74	1	-	24.5	23.74	0.17	0.316	1.00	1.19	0.38
	LTE 26	QPSK15M	Left Cheek	26965	1	74	2	-	24.5	23.84	0.03	0.354	1.00	1.16	0.41
	LTE 30	QPSK10M	Right Cheek	27710	1	0	1	-	24.0	23.31	0.02	0.143	1.00	1.17	0.17
	LTE 30	QPSK10M	Right Tilted	27710	1	0	1	-	24.0	23.31	0.08	0.054	1.00	1.17	0.06
13	LTE 30	QPSK10M	Left Cheek	27710	1	0	1	-	24.0	23.31	0.05	0.255	1.00	1.17	0.30
	LTE 30	QPSK10M	Left Tilted	27710	1	0	1	-	24.0	23.31	-0.11	0.071	1.00	1.17	0.08
	LTE 30	QPSK10M	Right Cheek	27710	25	0	1	-	23.0	22.19	0	0.124	1.00	1.21	0.15

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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 30	QPSK10M	Right Tilted	27710	25	0	1	-	23.0	22.19	-0.06	0.030	1.00	1.21	0.04
	LTE 30	QPSK10M	Left Cheek	27710	25	0	1	-	23.0	22.19	0.01	0.183	1.00	1.21	0.22
	LTE 30	QPSK10M	Left Tilted	27710	25	0	1	-	23.0	22.19	0.01	0.059	1.00	1.21	0.07
	LTE 30	QPSK10M	Left Cheek	27710	1	0	2	-	24.0	23.31	-0.05	0.236	1.00	1.17	0.28
	LTE 41	QPSK20M	Right Cheek	40620	1	0	1	62.9	23.0	22.21	0.09	0.051	1.01	1.20	0.06
	LTE 41	QPSK20M	Right Tilted	40620	1	0	1	62.9	23.0	22.21	-0.1	0.032	1.01	1.20	0.04
14	LTE 41	QPSK20M	Left Cheek	40620	1	0	1	62.9	23.0	22.21	-0.19	0.130	1.01	1.20	0.16
	LTE 41	QPSK20M	Left Tilted	40620	1	0	1	62.9	23.0	22.21	0.02	0.041	1.01	1.20	0.05
	LTE 41	QPSK20M	Right Cheek	40620	50	0	1	62.9	22.0	21.04	-0.08	0.036	1.01	1.25	0.04
	LTE 41	QPSK20M	Right Tilted	40620	50	0	1	62.9	22.0	21.04	0.05	0.022	1.01	1.25	0.03
	LTE 41	QPSK20M	Left Cheek	40620	50	0	1	62.9	22.0	21.04	0.01	0.099	1.01	1.25	0.12
	LTE 41	QPSK20M	Left Tilted	40620	50	0	1	62.9	22.0	21.04	0.06	0.037	1.01	1.25	0.05
	LTE 41	QPSK20M	Left Cheek	39750	1	0	1	62.9	23.0	22.19	-0.07	0.108	1.01	1.21	0.13
	LTE 41	QPSK20M	Left Cheek	39790	1	0	1	62.9	23.0	22.20	-0.07	0.105	1.01	1.20	0.13
	LTE 41	QPSK20M	Left Cheek	40185	1	0	1	62.9	23.0	22.06	-0.02	0.099	1.01	1.24	0.12
	LTE 41	QPSK20M	Left Cheek	41055	1	0	1	62.9	23.0	21.99	-0.08	0.129	1.01	1.26	0.16
	LTE 41	QPSK20M	Left Cheek	41490	1	0	1	62.9	23.0	22.00	-0.05	0.127	1.01	1.26	0.16
	LTE 41	QPSK20M	Left Cheek	40620	1	0	2	62.9	23.0	22.21	0	0.127	1.01	1.20	0.15
	LTE 66	QPSK20M	Right Cheek	132322	1	50	1	-	21.0	20.65	0.06	0.143	1.00	1.08	0.16
	LTE 66	QPSK20M	Right Tilted	132322	1	50	1	-	21.0	20.65	-0.02	0.078	1.00	1.08	0.08
	LTE 66	QPSK20M	Left Cheek	132322	1	50	1	-	21.0	20.65	0.09	0.109	1.00	1.08	0.12
	LTE 66	QPSK20M	Left Tilted	132322	1	50	1	-	21.0	20.65	-0.08	0.081	1.00	1.08	0.09
	LTE 66	QPSK20M	Right Cheek	132322	50	0	1	-	20.0	19.35	0.02	0.111	1.00	1.16	0.13
	LTE 66	QPSK20M	Right Tilted	132322	50	0	1	-	20.0	19.35	0.1	0.060	1.00	1.16	0.07
	LTE 66	QPSK20M	Left Cheek	132322	50	0	1	-	20.0	19.35	0.01	0.080	1.00	1.16	0.09
	LTE 66	QPSK20M	Left Tilted	132322	50	0	1	-	20.0	19.35	0.06	0.072	1.00	1.16	0.08
15	LTE 66	QPSK20M	Right Cheek	132072	1	50	1	-	21.0	20.45	0.03	0.191	1.00	1.14	0.22
	LTE 66	QPSK20M	Right Cheek	132572	1	50	1	-	21.0	20.46	0.01	0.125	1.00	1.13	0.14
	LTE 66	QPSK20M	Right Cheek	132072	1	50	2	-	21.0	20.45	0.02	0.170	1.00	1.14	0.19
	LTE 71	QPSK20M	Right Cheek	133322	1	50	1	-	23.0	22.15	-0.06	0.253	1.00	1.22	0.31
	LTE 71	QPSK20M	Right Tilted	133322	1	50	1	-	23.0	22.15	0.02	0.161	1.00	1.22	0.20
	LTE 71	QPSK20M	Left Cheek	133322	1	50	1	-	23.0	22.15	0.09	0.252	1.00	1.22	0.31
	LTE 71	QPSK20M	Left Tilted	133322	1	50	1	-	23.0	22.15	0.04	0.150	1.00	1.22	0.18
	LTE 71	QPSK20M	Right Cheek	133322	50	25	1	-	22.0	21.16	0.04	0.198	1.00	1.21	0.24
	LTE 71	QPSK20M	Right Tilted	133322	50	25	1	-	22.0	21.16	-0.11	0.121	1.00	1.21	0.15
	LTE 71	QPSK20M	Left Cheek	133322	50	25	1	-	22.0	21.16	0.07	0.194	1.00	1.21	0.24
	LTE 71	QPSK20M	Left Tilted	133322	50	25	1	-	22.0	21.16	0.04	0.118	1.00	1.21	0.14
16	LTE 71	QPSK20M	Right Cheek	133222	1	50	1	-	23.0	22.12	0.07	0.257	1.00	1.22	0.31
	LTE 71	QPSK20M	Right Cheek	133372	1	50	1	-	23.0	22.09	0.06	0.242	1.00	1.23	0.30
	LTE 71	QPSK20M	Right Cheek	133222	1	50	2	-	23.0	22.12	0.07	0.254	1.00	1.22	0.31

Plot No.	Band	Mode	Test Position	Ch.	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	WLAN2.4G	802.11b	Right Cheek	11	1	100	15.5	15.18	0	0.117	1.00	1.08	0.13
	WLAN2.4G	802.11b	Right Tilted	11	1	100	15.5	15.18	0.05	0.072	1.00	1.08	0.08
17	WLAN2.4G	802.11b	Left Cheek	11	1	100	15.5	15.18	-0.04	0.344	1.00	1.08	0.37
	WLAN2.4G	802.11b	Left Tilted	11	1	100	15.5	15.18	-0.08	0.142	1.00	1.08	0.15
	WLAN2.4G	802.11b	Left Cheek	1	1	100	13.5	12.90	-0.09	0.180	1.00	1.15	0.21
	WLAN2.4G	802.11b	Left Cheek	6	1	100	14.5	14.14	-0.16	0.234	1.00	1.09	0.25
	WLAN2.4G	802.11b	Left Cheek	11	2	100	15.5	15.18	-0.04	0.334	1.00	1.08	0.36
	WLAN5G	802.11a	Right Cheek	60	1	97.2	16.0	15.92	0.03	0.293	1.03	1.02	0.31
	WLAN5G	802.11a	Right Tilted	60	1	97.2	16.0	15.92	0.04	0.214	1.03	1.02	0.22
18	WLAN5G	802.11a	Left Cheek	60	1	97.2	16.0	15.92	0.12	1.070	1.03	1.02	1.12
	WLAN5G	802.11a	Left Tilted	60	1	97.2	16.0	15.92	0.07	0.563	1.03	1.02	0.59
	WLAN5G	802.11a	Left Cheek	52	1	97.2	16.0	15.70	0.01	0.786	1.03	1.07	0.87
	WLAN5G	802.11a	Left Cheek	56	1	97.2	16.0	15.71	0.08	0.779	1.03	1.07	0.86
	WLAN5G	802.11a	Left Cheek	64	1	97.2	16.0	14.78	0.09	0.777	1.03	1.32	1.06
	WLAN5G	802.11a	Left Cheek	60	2	97.2	16.0	15.92	0.02	0.938	1.03	1.02	0.98
	WLAN5G	802.11a	Right Cheek	124	1	97.2	17.0	16.85	-0.04	0.259	1.03	1.04	0.28
	WLAN5G	802.11a	Right Tilted	124	1	97.2	17.0	16.85	0.13	0.243	1.03	1.04	0.26
	WLAN5G	802.11a	Left Cheek	124	1	97.2	17.0	16.85	0.06	0.856	1.03	1.04	0.91
	WLAN5G	802.11a	Left Tilted	124	1	97.2	17.0	16.85	0.07	0.500	1.03	1.04	0.53



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Plot No.	Band	Mode	Test Position	Ch.	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	WLAN5G	802.11a	Left Cheek	100	1	97.2	15.0	14.45	0.1	0.447	1.03	1.14	0.52
	WLAN5G	802.11a	Left Cheek	116	1	97.2	15.0	14.72	0.09	0.373	1.03	1.07	0.41
	WLAN5G	802.11a	Left Cheek	132	1	97.2	17.0	16.40	-0.09	0.890	1.03	1.15	1.05
19	WLAN5G	802.11a	Left Cheek	140	1	97.2	15.0	14.40	-0.04	0.400	1.03	1.15	0.47
	WLAN5G	802.11a	Left Cheek	144	1	97.2	17.0	16.58	0.06	1.090	1.03	1.10	1.24
	WLAN5G	802.11a	Left Cheek	144	2	97.2	17.0	16.58	0.18	0.860	1.03	1.10	0.97
	WLAN5G	802.11a	Right Cheek	157	1	98.1	18.0	17.54	-0.06	0.551	1.02	1.11	0.62
	WLAN5G	802.11a	Right Tilted	157	1	98.1	18.0	17.54	0.01	0.512	1.02	1.11	0.58
20	WLAN5G	802.11a	Left Cheek	157	1	98.1	18.0	17.54	-0.04	1.120	1.02	1.11	1.27
	WLAN5G	802.11a	Left Tilted	157	1	98.1	18.0	17.54	0.06	0.649	1.02	1.11	0.74
	WLAN5G	802.11a	Left Cheek	149	1	98.1	18.0	17.52	0.1	0.631	1.02	1.12	0.72
	WLAN5G	802.11a	Left Cheek	165	1	98.1	17.0	16.88	0.14	1.070	1.02	1.03	1.12
	WLAN5G	802.11a	Left Cheek	157	2	98.1	18.0	17.54	-0.07	1.100	1.02	1.11	1.25
	BT	GFSK	Right Cheek	78	1	76.8	6.0	5.20	0	0.014	1.30	1.20	0.02
	BT	GFSK	Right Tilted	78	1	76.8	6.0	5.20	0.05	0.012	1.30	1.20	0.02
21	BT	GFSK	Left Cheek	78	1	76.8	6.0	5.20	0.06	0.051	1.30	1.20	0.08
	BT	GFSK	Left Tilted	78	1	76.8	6.0	5.20	-0.05	0.022	1.30	1.20	0.03
	BT	GFSK	Left Cheek	0	1	76.8	4.0	3.47	0.03	0.028	1.30	1.13	0.04
	BT	GFSK	Left Cheek	39	1	76.8	4.0	3.68	0.09	0.030	1.30	1.08	0.04
	BT	GFSK	Left Cheek	78	2	76.8	6.0	5.20	0.02	0.048	1.30	1.20	0.08

4.6.3 SAR Results for Body-worn Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	Sample	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS10	Front Face	251	1	30.5	30.05	0.06	0.183	1.11	0.20
	GSM850	GPRS10	Rear Face	251	1	30.5	30.05	-0.01	0.321	1.11	0.36
22	GSM850	GPRS10	Rear Face	128	1	30.5	29.98	-0.02	0.565	1.13	0.64
	GSM850	GPRS10	Rear Face	189	1	30.5	29.99	0.01	0.335	1.12	0.38
	GSM850	GPRS10	Rear Face	128	2	30.5	29.98	-0.04	0.469	1.13	0.53
	GSM1900	GPRS11	Front Face	810	1	26.5	25.84	-0.01	0.584	1.16	0.68
23	GSM1900	GPRS11	Rear Face	810	1	26.5	25.84	-0.03	1.020	1.16	1.19
	GSM1900	GPRS11	Rear Face	512	1	26.5	25.36	0.01	0.910	1.30	1.18
	GSM1900	GPRS11	Rear Face	661	1	26.5	25.69	0.1	0.926	1.21	1.12
	GSM1900	GPRS11	Rear Face	810	2	26.5	25.84	0.08	0.950	1.16	1.11
	WCDMA II	RMC12.2K	Front Face	9538	1	22.0	21.73	0.01	0.586	1.06	0.62
	WCDMA II	RMC12.2K	Rear Face	9538	1	22.0	21.73	0.04	1.010	1.06	1.07
	WCDMA II	RMC12.2K	Rear Face	9262	1	22.0	21.55	0.04	0.994	1.11	1.10
24	WCDMA II	RMC12.2K	Rear Face	9400	1	22.0	21.62	0.19	1.050	1.09	1.15
	WCDMA II	RMC12.2K	Rear Face	9400	2	22.0	21.62	-0.07	0.965	1.09	1.05
	WCDMA IV	RMC12.2K	Front Face	1413	1	21.5	21.33	0.09	0.446	1.04	0.46
	WCDMA IV	RMC12.2K	Rear Face	1413	1	21.5	21.33	0.04	1.120	1.04	1.16
25	WCDMA IV	RMC12.2K	Rear Face	1312	1	21.5	21.22	0.15	1.100	1.07	1.17
	WCDMA IV	RMC12.2K	Rear Face	1513	1	21.5	21.19	0.01	1.090	1.07	1.17
	WCDMA IV	RMC12.2K	Rear Face	1312	2	21.5	21.22	0.01	1.080	1.07	1.15
	WCDMA V	RMC12.2K	Front Face	4233	1	24.0	23.28	-0.11	0.299	1.18	0.35
	WCDMA V	RMC12.2K	Rear Face	4233	1	24.0	23.28	0.05	0.300	1.18	0.35
26	WCDMA V	RMC12.2K	Rear Face	4132	1	24.0	22.75	-0.06	0.435	1.33	0.58
	WCDMA V	RMC12.2K	Rear Face	4182	1	24.0	23.26	0.05	0.392	1.19	0.46
	WCDMA V	RMC12.2K	Rear Face	4132	2	24.0	22.75	0.01	0.432	1.33	0.58

Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 5	QPSK10M	Front Face	20450	1	49	1	-	24.5	23.48	0.06	0.257	1.00	1.26	0.33
	LTE 5	QPSK10M	Rear Face	20450	1	49	1	-	24.5	23.48	-0.03	0.319	1.00	1.26	0.40
	LTE 5	QPSK10M	Front Face	20450	25	0	1	-	23.5	22.27	0	0.181	1.00	1.33	0.24
	LTE 5	QPSK10M	Rear Face	20450	25	0	1	-	23.5	22.27	0.03	0.235	1.00	1.33	0.31
27	LTE 5	QPSK10M	Rear Face	20525	1	49	1	-	24.5	23.26	-0.04	0.323	1.00	1.33	0.43
	LTE 5	QPSK10M	Rear Face	20600	1	49	1	-	24.5	23.22	-0.01	0.242	1.00	1.34	0.32

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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 5	QPSK10M	Rear Face	20525	1	49	2	-	24.5	23.26	-0.08	0.272	1.00	1.33	0.36
	LTE 7	QPSK20M	Front Face	21100	1	0	1	-	22.0	21.65	0.06	0.899	1.00	1.08	0.97
	LTE 7	QPSK20M	Rear Face	21100	1	0	1	-	22.0	21.65	0.01	0.953	1.00	1.08	1.03
	LTE 7	QPSK20M	Front Face	21100	50	50	1	-	21.0	20.43	0.03	0.690	1.00	1.14	0.79
	LTE 7	QPSK20M	Rear Face	21100	50	50	1	-	21.0	20.43	-0.06	0.755	1.00	1.14	0.86
	LTE 7	QPSK20M	Front Face	20850	1	0	1	-	22.0	21.57	0.02	0.812	1.00	1.10	0.90
	LTE 7	QPSK20M	Front Face	21350	1	0	2	-	22.0	21.47	0.15	0.858	1.00	1.13	0.97
	LTE 7	QPSK20M	Rear Face	20850	1	0	1	-	22.0	21.57	0.08	0.893	1.00	1.10	0.99
28	LTE 7	QPSK20M	Rear Face	21350	1	0	1	-	22.0	21.47	0.06	0.933	1.00	1.13	1.05
	LTE 7	QPSK20M	Rear Face	20850	50	50	1	-	21.0	20.21	0.17	0.745	1.00	1.20	0.89
	LTE 7	QPSK20M	Rear Face	21350	50	50	1	-	21.0	20.24	-0.11	0.690	1.00	1.19	0.82
	LTE 7	QPSK20M	Front Face	21100	100	0	1	-	21.0	20.33	0.01	0.699	1.00	1.17	0.82
	LTE 7	QPSK20M	Rear Face	21100	100	0	1	-	21.0	20.33	0.05	0.720	1.00	1.17	0.84
	LTE 7	QPSK20M	Rear Face	21350	1	0	2	-	22.0	21.47	0.04	0.875	1.00	1.13	0.99
	LTE 7 (UL CA)	QPSK20M	Rear Face	PCC:20850 SCC:21048	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.45	-0.01	0.677	1.00	1.14	0.77
	LTE 7 (UL CA)	QPSK20M	Rear Face	PCC:21001 SCC:21199	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.07	0	0.727	1.00	1.24	0.90
	LTE 7 (UL CA)	QPSK20M	Rear Face	PCC:21152 SCC:21350	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.64	-0.07	0.957	1.00	1.09	1.04
	LTE 12	QPSK10M	Front Face	23060	1	0	1	-	23.5	22.69	0.04	0.234	1.00	1.21	0.28
29	LTE 12	QPSK10M	Rear Face	23060	1	0	1	-	23.5	22.69	-0.09	0.430	1.00	1.21	0.52
	LTE 12	QPSK10M	Front Face	23060	25	25	1	-	22.5	21.77	0.01	0.164	1.00	1.18	0.19
	LTE 12	QPSK10M	Rear Face	23060	25	25	1	-	22.5	21.77	-0.05	0.257	1.00	1.18	0.30
	LTE 12	QPSK10M	Rear Face	23095	1	0	1	-	23.5	22.58	-0.11	0.278	1.00	1.24	0.34
	LTE 12	QPSK10M	Rear Face	23130	1	0	1	-	23.5	22.66	0.02	0.348	1.00	1.21	0.42
	LTE 12	QPSK10M	Rear Face	23060	1	0	2	-	23.5	22.69	0.01	0.386	1.00	1.21	0.47
	LTE 13	QPSK10M	Front Face	23230	1	0	1	-	24.0	23.15	-0.05	0.207	1.00	1.22	0.25
30	LTE 13	QPSK10M	Rear Face	23230	1	0	1	-	24.0	23.15	0.13	0.279	1.00	1.22	0.34
	LTE 13	QPSK10M	Front Face	23230	25	0	1	-	23.0	22.09	-0.02	0.152	1.00	1.23	0.19
	LTE 13	QPSK10M	Rear Face	23230	25	0	1	-	23.0	22.09	0.08	0.205	1.00	1.23	0.25
	LTE 13	QPSK10M	Rear Face	23230	1	0	2	-	24.0	23.15	-0.09	0.260	1.00	1.22	0.32
	LTE 14	QPSK10M	Front Face	23330	1	0	1	-	24.0	23.34	-0.12	0.220	1.00	1.16	0.26
31	LTE 14	QPSK10M	Rear Face	23330	1	0	1	-	24.0	23.34	0.05	0.267	1.00	1.16	0.31
	LTE 14	QPSK10M	Front Face	23330	25	0	1	-	23.0	22.35	-0.04	0.160	1.00	1.16	0.19
	LTE 14	QPSK10M	Rear Face	23330	25	0	1	-	23.0	22.35	0.05	0.205	1.00	1.16	0.24
	LTE 14	QPSK10M	Rear Face	23330	1	0	2	-	24.0	23.34	0.05	0.248	1.00	1.16	0.29
	LTE 25	QPSK20M	Front Face	26365	1	0	1	-	21.5	20.86	0.07	0.549	1.00	1.16	0.64
32	LTE 25	QPSK20M	Rear Face	26365	1	0	1	-	21.5	20.86	0.05	1.030	1.00	1.16	1.19
	LTE 25	QPSK20M	Front Face	26365	50	25	1	-	20.5	19.87	-0.06	0.446	1.00	1.16	0.52
	LTE 25	QPSK20M	Rear Face	26365	50	25	1	-	20.5	19.87	-0.06	0.880	1.00	1.16	1.02
	LTE 25	QPSK20M	Rear Face	26140	1	0	1	-	21.5	20.83	0.01	1.010	1.00	1.17	1.18
	LTE 25	QPSK20M	Rear Face	26590	1	0	1	-	21.5	20.74	0.18	0.990	1.00	1.19	1.18
	LTE 25	QPSK20M	Rear Face	26140	50	25	1	-	20.5	19.85	-0.17	0.847	1.00	1.16	0.98
	LTE 25	QPSK20M	Rear Face	26590	50	25	1	-	20.5	19.79	-0.06	0.828	1.00	1.18	0.98
	LTE 25	QPSK20M	Rear Face	26365	100	0	1	-	20.5	19.78	0.07	0.857	1.00	1.18	1.01
	LTE 25	QPSK20M	Rear Face	26365	1	0	2	-	21.5	20.86	-0.04	0.928	1.00	1.16	1.08
	LTE 26	QPSK15M	Front Face	26965	1	74	1	-	24.5	23.84	0.02	0.258	1.00	1.16	0.30
	LTE 26	QPSK15M	Rear Face	26965	1	74	1	-	24.5	23.84	-0.1	0.394	1.00	1.16	0.46
	LTE 26	QPSK15M	Front Face	26965	36	0	1	-	23.5	22.81	0.05	0.209	1.00	1.17	0.24
	LTE 26	QPSK15M	Rear Face	26965	36	0	1	-	23.5	22.81	-0.03	0.308	1.00	1.17	0.36
	LTE 26	QPSK15M	Rear Face	26765	1	74	1	-	24.5	23.55	-0.03	0.308	1.00	1.24	0.38
33	LTE 26	QPSK15M	Rear Face	26865	1	74	1	-	24.5	23.77	-0.05	0.461	1.00	1.18	0.55
	LTE 26	QPSK15M	Rear Face	26915	1	74	1	-	24.5	23.74	0	0.427	1.00	1.19	0.51
	LTE 26	QPSK15M	Rear Face	26915	1	74	2	-	24.5	23.77	0.03	0.444	1.00	1.18	0.53
	LTE 30	QPSK10M	Front Face	27710	1	0	1	-	24.0	23.31	0.06	0.698	1.00	1.17	0.82
34	LTE 30	QPSK10M	Rear Face	27710	1	0	1	-	24.0	23.31	0.08	0.749	1.00	1.17	0.88
	LTE 30	QPSK10M	Front Face	27710	25	0	1	-	23.0	22.19	-0.06	0.583	1.00	1.21	0.70
	LTE 30	QPSK10M	Rear Face	27710	25	0	1	-	23.0	22.19	0.04	0.617	1.00	1.21	0.74
	LTE 30	QPSK10M	Front Face	27710	50	0	1	-	23.0	22.16	-0.08	0.576	1.00	1.21	0.70
	LTE 30	QPSK10M	Rear Face	27710	50	0	1	-	23.0	22.16	0.07	0.586	1.00	1.21	0.71
	LTE 30	QPSK10M	Rear Face	27710	1	0	2	-	24.0	23.31	0.06	0.642	1.00	1.17	0.75
	LTE 41	QPSK20M	Front Face	40620	1	0	1	62.9	23.0	22.21	0.09	0.470	1.01	1.20	0.57
	LTE 41	QPSK20M	Rear Face	40620	1	0	1	62.9	23.0	22.21	0.03	0.471	1.01	1.20	0.57

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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 41	QPSK20M	Front Face	40620	50	0	1	62.9	22.0	21.04	-0.15	0.413	1.01	1.25	0.52
	LTE 41	QPSK20M	Rear Face	40620	50	0	1	62.9	22.0	21.04	0.07	0.407	1.01	1.25	0.51
	LTE 41	QPSK20M	Rear Face	39750	1	0	1	62.9	23.0	22.19	-0.04	0.434	1.01	1.21	0.53
	LTE 41	QPSK20M	Rear Face	39790	1	0	1	62.9	23.0	22.20	0.07	0.445	1.01	1.20	0.54
35	LTE 41	QPSK20M	Rear Face	40185	1	0	1	62.9	23.0	22.06	-0.02	0.481	1.01	1.24	0.60
	LTE 41	QPSK20M	Rear Face	41055	1	0	1	62.9	23.0	21.99	0.01	0.427	1.01	1.26	0.54
	LTE 41	QPSK20M	Rear Face	41490	1	0	1	62.9	23.0	22.00	0.08	0.391	1.01	1.26	0.50
	LTE 41	QPSK20M	Rear Face	40620	1	0	2	62.9	23.0	22.21	-0.04	0.495	1.01	1.20	0.60
	LTE 66	QPSK20M	Front Face	132322	1	50	1	-	21.0	20.65	0.06	0.393	1.00	1.08	0.43
	LTE 66	QPSK20M	Rear Face	132322	1	50	1	-	21.0	20.65	0.02	1.040	1.00	1.08	1.13
	LTE 66	QPSK20M	Front Face	132322	50	0	1	-	20.0	19.35	-0.15	0.317	1.00	1.16	0.37
	LTE 66	QPSK20M	Rear Face	132322	50	0	1	-	20.0	19.35	0	0.835	1.00	1.16	0.97
36	LTE 66	QPSK20M	Rear Face	132072	1	50	1	-	21.0	20.45	0.09	1.030	1.00	1.14	1.17
	LTE 66	QPSK20M	Rear Face	132572	1	50	1	-	21.0	20.46	0.06	0.996	1.00	1.13	1.13
	LTE 66	QPSK20M	Rear Face	132072	50	0	1	-	20.0	19.21	-0.08	0.874	1.00	1.20	1.05
	LTE 66	QPSK20M	Rear Face	132572	50	0	1	-	20.0	19.29	0.09	0.808	1.00	1.18	0.95
	LTE 66	QPSK20M	Rear Face	132322	100	0	1	-	20.0	19.27	0.11	0.835	1.00	1.18	0.99
	LTE 66	QPSK20M	Rear Face	132072	1	50	2	-	21.0	20.45	0.13	0.951	1.00	1.14	1.08
	LTE 71	QPSK20M	Front Face	133322	1	50	1	-	23.0	22.15	0	0.240	1.00	1.22	0.29
	LTE 71	QPSK20M	Rear Face	133322	1	50	1	-	23.0	22.15	-0.15	0.306	1.00	1.22	0.37
	LTE 71	QPSK20M	Front Face	133322	50	25	1	-	22.0	21.16	-0.02	0.188	1.00	1.21	0.23
	LTE 71	QPSK20M	Rear Face	133322	50	25	1	-	22.0	21.16	-0.02	0.243	1.00	1.21	0.29
	LTE 71	QPSK20M	Rear Face	133222	1	50	1	-	23.0	22.12	0.05	0.361	1.00	1.22	0.44
37	LTE 71	QPSK20M	Rear Face	133372	1	50	1	-	23.0	22.09	-0.19	0.377	1.00	1.23	0.46
	LTE 71	QPSK20M	Rear Face	133372	1	50	2	-	23.0	22.09	-0.1	0.372	1.00	1.23	0.46

Plot No.	Band	Mode	Test Position	Ch.	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
38	WLAN2.4G	802.11b	Front Face	11	1	100	15.5	15.18	0.03	0.075	1.00	1.08	0.08
	WLAN2.4G	802.11b	Rear Face	11	1	100	15.5	15.18	0	0.069	1.00	1.08	0.07
	WLAN2.4G	802.11b	Front Face	1	1	100	13.5	12.90	-0.16	0.045	1.00	1.15	0.05
	WLAN2.4G	802.11b	Front Face	6	1	100	14.5	14.14	0.14	0.059	1.00	1.09	0.06
	WLAN2.4G	802.11b	Front Face	11	2	100	15.5	15.18	0.01	0.071	1.00	1.08	0.08
	WLAN5G	802.11a	Front Face	60	1	97.2	16.0	15.92	0.15	0.346	1.03	1.02	0.36
39	WLAN5G	802.11a	Rear Face	60	1	97.2	16.0	15.92	-0.07	0.826	1.03	1.02	0.87
	WLAN5G	802.11a	Rear Face	52	1	97.2	16.0	15.70	0.03	0.461	1.03	1.07	0.51
	WLAN5G	802.11a	Rear Face	56	1	97.2	16.0	15.71	0.09	0.501	1.03	1.07	0.55
	WLAN5G	802.11a	Rear Face	64	1	97.2	16.0	14.78	-0.09	0.456	1.03	1.32	0.62
	WLAN5G	802.11a	Rear Face	60	2	97.2	16.0	15.92	0.08	0.641	1.03	1.02	0.67
	WLAN5G	802.11a	Front Face	124	1	97.2	17.0	16.85	0.04	0.228	1.03	1.04	0.24
	WLAN5G	802.11a	Rear Face	124	1	97.2	17.0	16.85	0.03	0.560	1.03	1.04	0.60
	WLAN5G	802.11a	Rear Face	100	1	97.2	15.0	14.45	0.05	0.302	1.03	1.14	0.35
	WLAN5G	802.11a	Rear Face	116	1	97.2	15.0	14.72	-0.09	0.292	1.03	1.07	0.32
	WLAN5G	802.11a	Rear Face	132	1	97.2	17.0	16.40	0.07	0.521	1.03	1.15	0.62
	WLAN5G	802.11a	Rear Face	140	1	97.2	15.0	14.40	-0.12	0.269	1.03	1.15	0.32
40	WLAN5G	802.11a	Rear Face	144	1	97.2	17.0	16.45	0.02	0.591	1.03	1.14	0.69
	WLAN5G	802.11a	Rear Face	144	2	97.2	17.0	16.45	-0.03	0.577	1.03	1.14	0.67
	WLAN5G	802.11a	Front Face	157	1	98.1	18.0	17.54	0.01	0.276	1.02	1.11	0.31
	WLAN5G	802.11a	Rear Face	157	1	98.1	18.0	17.54	0.07	0.601	1.02	1.11	0.68
41	WLAN5G	802.11a	Rear Face	149	1	98.1	18.0	17.52	0.07	0.632	1.02	1.12	0.72
	WLAN5G	802.11a	Rear Face	165	1	98.1	17.0	16.88	0.15	0.551	1.02	1.03	0.58
	WLAN5G	802.11a	Rear Face	149	1	98.1	18.0	17.45	-0.06	0.601	1.02	1.14	0.70
	BT	GFSK	Front Face	78	1	76.8	6.0	5.20	0.06	0.013	1.30	1.20	0.02
42	BT	GFSK	Rear Face	78	1	76.8	6.0	5.20	0.04	0.014	1.30	1.20	0.02
	BT	GFSK	Rear Face	0	1	76.8	4.0	3.47	0.01	0.005	1.30	1.13	0.01
	BT	GFSK	Rear Face	39	1	76.8	4.0	3.68	0.15	0.007	1.30	1.08	0.01
	BT	GFSK	Rear Face	78	2	76.8	6.0	5.20	0.08	0.011	1.30	1.20	0.02

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4.6.4 SAR Results for Hotspot Exposure Condition (Separation Distance is 1.0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	Sample	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	GSM850	GPRS10	Front Face	251	1	30.5	30.05	0.06	0.183	1.11	0.20
	GSM850	GPRS10	Rear Face	251	1	30.5	30.05	-0.01	0.321	1.11	0.36
	GSM850	GPRS10	Left Side	251	1	30.5	30.05	0.09	0.145	1.11	0.16
	GSM850	GPRS10	Right Side	251	1	30.5	30.05	0.14	0.266	1.11	0.30
	GSM850	GPRS10	Bottom Side	251	1	30.5	30.05	0.18	0.233	1.11	0.26
43	GSM850	GPRS10	Rear Face	128	1	30.5	29.98	-0.02	0.565	1.13	0.64
	GSM850	GPRS10	Rear Face	189	1	30.5	29.99	0.01	0.335	1.12	0.38
	GSM850	GPRS10	Rear Face	128	2	30.5	29.98	-0.04	0.469	1.13	0.53
	GSM1900	GPRS11	Front Face	810	1	26.5	25.84	-0.01	0.584	1.16	0.68
44	GSM1900	GPRS11	Rear Face	810	1	26.5	25.84	-0.03	1.020	1.16	1.19
	GSM1900	GPRS11	Left Side	810	1	26.5	25.84	0.01	0.081	1.16	0.09
	GSM1900	GPRS11	Right Side	810	1	26.5	25.84	-0.16	0.139	1.16	0.16
	GSM1900	GPRS11	Bottom Side	810	1	26.5	25.84	-0.08	0.610	1.16	0.71
	GSM1900	GPRS11	Rear Face	512	1	26.5	25.36	0.01	0.910	1.30	1.18
	GSM1900	GPRS11	Rear Face	661	1	26.5	25.69	0.1	0.926	1.21	1.12
	GSM1900	GPRS11	Rear Face	810	2	26.5	25.84	0.08	0.950	1.16	1.11
	WCDMA II	RMC12.2K	Front Face	9538	1	22.0	21.73	0.01	0.586	1.06	0.62
	WCDMA II	RMC12.2K	Rear Face	9538	1	22.0	21.73	0.04	1.010	1.06	1.07
	WCDMA II	RMC12.2K	Left Side	9538	1	22.0	21.73	-0.07	0.066	1.06	0.07
	WCDMA II	RMC12.2K	Right Side	9538	1	22.0	21.73	-0.08	0.110	1.06	0.12
	WCDMA II	RMC12.2K	Bottom Side	9538	1	22.0	21.73	0.05	0.678	1.06	0.72
	WCDMA II	RMC12.2K	Rear Face	9262	1	22.0	21.55	0.04	0.994	1.11	1.10
45	WCDMA II	RMC12.2K	Rear Face	9400	1	22.0	21.62	0.19	1.050	1.09	1.15
	WCDMA II	RMC12.2K	Rear Face	9400	2	22.0	21.62	-0.07	0.965	1.09	1.05
	WCDMA IV	RMC12.2K	Front Face	1413	1	21.5	21.33	0.09	0.446	1.04	0.46
	WCDMA IV	RMC12.2K	Rear Face	1413	1	21.5	21.33	0.04	1.120	1.04	1.16
	WCDMA IV	RMC12.2K	Left Side	1413	1	21.5	21.33	-0.03	0.057	1.04	0.06
	WCDMA IV	RMC12.2K	Right Side	1413	1	21.5	21.33	-0.07	0.118	1.04	0.12
	WCDMA IV	RMC12.2K	Bottom Side	1413	1	21.5	21.33	0.11	0.612	1.04	0.64
46	WCDMA IV	RMC12.2K	Rear Face	1312	1	21.5	21.22	0.15	1.100	1.07	1.17
	WCDMA IV	RMC12.2K	Rear Face	1513	1	21.5	21.19	0.01	1.090	1.07	1.17
	WCDMA IV	RMC12.2K	Rear Face	1312	2	21.5	21.22	0.01	1.080	1.07	1.15
	WCDMA V	RMC12.2K	Front Face	4233	1	24.0	23.28	-0.11	0.299	1.18	0.35
	WCDMA V	RMC12.2K	Rear Face	4233	1	24.0	23.28	0.05	0.300	1.18	0.35
	WCDMA V	RMC12.2K	Left Side	4233	1	24.0	23.28	0.15	0.187	1.18	0.22
	WCDMA V	RMC12.2K	Right Side	4233	1	24.0	23.28	-0.04	0.291	1.18	0.34
	WCDMA V	RMC12.2K	Bottom Side	4233	1	24.0	23.28	0.01	0.275	1.18	0.32
47	WCDMA V	RMC12.2K	Rear Face	4132	1	24.0	22.75	-0.06	0.435	1.33	0.58
	WCDMA V	RMC12.2K	Rear Face	4182	1	24.0	23.26	0.05	0.392	1.19	0.46
	WCDMA V	RMC12.2K	Rear Face	4132	2	24.0	22.75	0.01	0.432	1.33	0.58

Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 5	QPSK10M	Front Face	20450	1	49	1	-	24.5	23.48	0.06	0.257	1.00	1.26	0.33
	LTE 5	QPSK10M	Rear Face	20450	1	49	1	-	24.5	23.48	-0.03	0.319	1.00	1.26	0.40
	LTE 5	QPSK10M	Left Side	20450	1	49	1	-	24.5	23.48	0.05	0.162	1.00	1.26	0.20
	LTE 5	QPSK10M	Right Side	20450	1	49	1	-	24.5	23.48	0.01	0.273	1.00	1.26	0.35
	LTE 5	QPSK10M	Bottom Side	20450	1	49	1	-	24.5	23.48	0.06	0.264	1.00	1.26	0.33
	LTE 5	QPSK10M	Front Face	20450	25	0	1	-	23.5	22.27	0	0.181	1.00	1.33	0.24
	LTE 5	QPSK10M	Rear Face	20450	25	0	1	-	23.5	22.27	0.03	0.235	1.00	1.33	0.31
	LTE 5	QPSK10M	Left Side	20450	25	0	1	-	23.5	22.27	0.09	0.133	1.00	1.33	0.18
	LTE 5	QPSK10M	Right Side	20450	25	0	1	-	23.5	22.27	-0.02	0.206	1.00	1.33	0.27
	LTE 5	QPSK10M	Bottom Side	20450	25	0	1	-	23.5	22.27	0.05	0.192	1.00	1.33	0.25
48	LTE 5	QPSK10M	Rear Face	20525	1	49	1	-	24.5	23.26	-0.04	0.323	1.00	1.33	0.43
	LTE 5	QPSK10M	Rear Face	20600	1	49	1	-	24.5	23.22	-0.01	0.242	1.00	1.34	0.32
	LTE 5	QPSK10M	Rear Face	20525	1	49	2	-	24.5	23.26	-0.08	0.272	1.00	1.33	0.36
	LTE 7	QPSK20M	Front Face	21100	1	0	1	-	22.0	21.65	0.06	0.899	1.00	1.08	0.97
	LTE 7	QPSK20M	Rear Face	21100	1	0	1	-	22.0	21.65	0.01	0.953	1.00	1.08	1.03
	LTE 7	QPSK20M	Left Side	21100	1	0	1	-	22.0	21.65	0.11	0.233	1.00	1.08	0.25



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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 7	QPSK20M	Right Side	21100	1	0	1	-	22.0	21.65	-0.02	0.157	1.00	1.08	0.17
	LTE 7	QPSK20M	Bottom Side	21100	1	0	1	-	22.0	21.65	0.08	1.100	1.00	1.08	1.19
	LTE 7	QPSK20M	Front Face	21100	50	50	1	-	21.0	20.43	0.03	0.690	1.00	1.14	0.79
	LTE 7	QPSK20M	Rear Face	21100	50	50	1	-	21.0	20.43	-0.06	0.755	1.00	1.14	0.86
	LTE 7	QPSK20M	Left Side	21100	50	50	1	-	21.0	20.43	0.03	0.180	1.00	1.14	0.21
	LTE 7	QPSK20M	Right Side	21100	50	50	1	-	21.0	20.43	-0.09	0.121	1.00	1.14	0.14
	LTE 7	QPSK20M	Bottom Side	21100	50	50	1	-	21.0	20.43	0.04	0.851	1.00	1.14	0.97
	LTE 7	QPSK20M	Front Face	20850	1	0	1	-	22.0	21.57	0.02	0.812	1.00	1.10	0.90
	LTE 7	QPSK20M	Front Face	21350	1	0	1	-	22.0	21.47	0.15	0.858	1.00	1.13	0.97
	LTE 7	QPSK20M	Rear Face	20850	1	0	1	-	22.0	21.57	0.08	0.893	1.00	1.10	0.99
	LTE 7	QPSK20M	Rear Face	21350	1	0	1	-	22.0	21.47	0.06	0.933	1.00	1.13	1.05
	LTE 7	QPSK20M	Bottom Side	20850	1	0	1	-	22.0	21.57	0.02	1.140	1.00	1.10	1.26
49	LTE 7	QPSK20M	Bottom Side	21350	1	0	1	-	22.0	21.47	-0.1	1.120	1.00	1.13	1.27
	LTE 7	QPSK20M	Rear Face	20850	50	50	1	-	21.0	20.21	0.17	0.745	1.00	1.20	0.89
	LTE 7	QPSK20M	Rear Face	21350	50	50	1	-	21.0	20.24	-0.11	0.690	1.00	1.19	0.82
	LTE 7	QPSK20M	Bottom Side	20850	50	50	1	-	21.0	20.21	0.1	0.911	1.00	1.20	1.09
	LTE 7	QPSK20M	Bottom Side	21350	50	50	1	-	21.0	20.24	0	0.873	1.00	1.19	1.04
	LTE 7	QPSK20M	Rear Face	21100	100	0	1	-	21.0	20.33	0.05	0.720	1.00	1.17	0.84
	LTE 7	QPSK20M	Bottom Side	21100	100	0	1	-	21.0	20.33	0.06	0.855	1.00	1.17	1.00
	LTE 7	QPSK20M	Bottom Side	21350	1	0	2	-	22.0	21.47	-0.02	1.010	1.00	1.13	1.14
	LTE 7 (UL CA)	QPSK20M	Bottom Side	PCC:20850 SCC:21048	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.45	-0.07	0.688	1.00	1.14	0.78
	LTE 7 (UL CA)	QPSK20M	Bottom Side	PCC:21001 SCC:21199	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.07	-0.04	0.755	1.00	1.24	0.94
	LTE 7 (UL CA)	QPSK20M	Bottom Side	PCC:21152 SCC:21350	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.64	-0.07	0.966	1.00	1.09	1.05
	LTE 12	QPSK10M	Front Face	23060	1	0	1	-	23.5	22.69	0.04	0.234	1.00	1.21	0.28
50	LTE 12	QPSK10M	Rear Face	23060	1	0	1	-	23.5	22.69	-0.09	0.430	1.00	1.21	0.52
	LTE 12	QPSK10M	Left Side	23060	1	0	1	-	23.5	22.69	-0.15	0.236	1.00	1.21	0.28
	LTE 12	QPSK10M	Right Side	23060	1	0	1	-	23.5	22.69	0.02	0.360	1.00	1.21	0.43
	LTE 12	QPSK10M	Bottom Side	23060	1	0	1	-	23.5	22.69	0.06	0.120	1.00	1.21	0.14
	LTE 12	QPSK10M	Front Face	23060	25	25	1	-	22.5	21.77	0.01	0.164	1.00	1.18	0.19
	LTE 12	QPSK10M	Rear Face	23060	25	25	1	-	22.5	21.77	-0.05	0.257	1.00	1.18	0.30
	LTE 12	QPSK10M	Left Side	23060	25	25	1	-	22.5	21.77	-0.05	0.148	1.00	1.18	0.18
	LTE 12	QPSK10M	Right Side	23060	25	25	1	-	22.5	21.77	0.04	0.260	1.00	1.18	0.31
	LTE 12	QPSK10M	Bottom Side	23060	25	25	1	-	22.5	21.77	0.04	0.083	1.00	1.18	0.10
	LTE 12	QPSK10M	Rear Face	23095	1	0	1	-	23.5	22.58	-0.11	0.278	1.00	1.24	0.34
	LTE 12	QPSK10M	Rear Face	23130	1	0	1	-	23.5	22.66	0.02	0.348	1.00	1.21	0.42
	LTE 12	QPSK10M	Rear Face	23060	1	0	2	-	23.5	22.69	0.01	0.386	1.00	1.21	0.47
	LTE 13	QPSK10M	Front Face	23230	1	0	1	-	24.0	23.15	-0.05	0.207	1.00	1.22	0.25
51	LTE 13	QPSK10M	Rear Face	23230	1	0	1	-	24.0	23.15	0.13	0.279	1.00	1.22	0.34
	LTE 13	QPSK10M	Left Side	23230	1	0	1	-	24.0	23.15	0.02	0.127	1.00	1.22	0.15
	LTE 13	QPSK10M	Right Side	23230	1	0	1	-	24.0	23.15	0.07	0.260	1.00	1.22	0.32
	LTE 13	QPSK10M	Bottom Side	23230	1	0	1	-	24.0	23.15	-0.09	0.218	1.00	1.22	0.27
	LTE 13	QPSK10M	Front Face	23230	25	0	1	-	23.0	22.09	-0.02	0.152	1.00	1.23	0.19
	LTE 13	QPSK10M	Rear Face	23230	25	0	1	-	23.0	22.09	0.08	0.205	1.00	1.23	0.25
	LTE 13	QPSK10M	Left Side	23230	25	0	1	-	23.0	22.09	0.08	0.090	1.00	1.23	0.11
	LTE 13	QPSK10M	Right Side	23230	25	0	1	-	23.0	22.09	0.09	0.200	1.00	1.23	0.25
	LTE 13	QPSK10M	Bottom Side	23230	25	0	1	-	23.0	22.09	0.11	0.172	1.00	1.23	0.21
	LTE 13	QPSK10M	Rear Face	23230	1	0	2	-	24.0	23.15	-0.09	0.260	1.00	1.22	0.32
	LTE 14	QPSK10M	Front Face	23330	1	0	1	-	24.0	23.34	-0.12	0.220	1.00	1.16	0.26
52	LTE 14	QPSK10M	Rear Face	23330	1	0	1	-	24.0	23.34	0.05	0.267	1.00	1.16	0.31
	LTE 14	QPSK10M	Left Side	23330	1	0	1	-	24.0	23.34	0.06	0.118	1.00	1.16	0.14
	LTE 14	QPSK10M	Right Side	23330	1	0	1	-	24.0	23.34	-0.03	0.250	1.00	1.16	0.29
	LTE 14	QPSK10M	Bottom Side	23330	1	0	1	-	24.0	23.34	0.05	0.174	1.00	1.16	0.20
	LTE 14	QPSK10M	Front Face	23330	25	0	1	-	23.0	22.35	-0.04	0.160	1.00	1.16	0.19
	LTE 14	QPSK10M	Rear Face	23330	25	0	1	-	23.0	22.35	0.05	0.205	1.00	1.16	0.24
	LTE 14	QPSK10M	Left Side	23330	25	0	1	-	23.0	22.35	0.07	0.097	1.00	1.16	0.11
	LTE 14	QPSK10M	Right Side	23330	25	0	1	-	23.0	22.35	0.05	0.175	1.00	1.16	0.20
	LTE 14	QPSK10M	Bottom Side	23330	25	0	1	-	23.0	22.35	0.08	0.145	1.00	1.16	0.17
	LTE 14	QPSK10M	Rear Face	23330	1	0	2	-	24.0	23.34	0.05	0.248	1.00	1.16	0.29
	LTE 25	QPSK20M	Front Face	26365	1	0	1	-	21.5	20.86	0.07	0.549	1.00	1.16	0.64
53	LTE 25	QPSK20M	Rear Face	26365	1	0	1	-	21.5	20.86	0.05	1.030	1.00	1.16	1.19
	LTE 25	QPSK20M	Left Side	26365	1	0	1	-	21.5	20.86	0.01	0.063	1.00	1.16	0.07
	LTE 25	QPSK20M	Right Side	26365	1	0	1	-	21.5	20.86	-0.12	0.106	1.00	1.16	0.12

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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 25	QPSK20M	Bottom Side	26365	1	0	1	-	21.5	20.86	0	0.666	1.00	1.16	0.77
	LTE 25	QPSK20M	Front Face	26365	50	25	1	-	20.5	19.87	-0.06	0.446	1.00	1.16	0.52
	LTE 25	QPSK20M	Rear Face	26365	50	25	1	-	20.5	19.87	-0.06	0.880	1.00	1.16	1.02
	LTE 25	QPSK20M	Left Side	26365	50	25	1	-	20.5	19.87	0.02	0.048	1.00	1.16	0.06
	LTE 25	QPSK20M	Right Side	26365	50	25	1	-	20.5	19.87	0.05	0.086	1.00	1.16	0.10
	LTE 25	QPSK20M	Bottom Side	26365	50	25	1	-	20.5	19.87	0.11	0.524	1.00	1.16	0.61
	LTE 25	QPSK20M	Rear Face	26140	1	0	1	-	21.5	20.83	0.01	1.010	1.00	1.17	1.18
	LTE 25	QPSK20M	Rear Face	26590	1	0	1	-	21.5	20.74	0.18	0.990	1.00	1.19	1.18
	LTE 25	QPSK20M	Rear Face	26140	50	25	1	-	20.5	19.85	-0.17	0.847	1.00	1.16	0.98
	LTE 25	QPSK20M	Rear Face	26590	50	25	1	-	20.5	19.79	-0.06	0.828	1.00	1.18	0.98
	LTE 25	QPSK20M	Rear Face	26365	100	0	1	-	20.5	19.78	0.07	0.857	1.00	1.18	1.01
	LTE 25	QPSK20M	Rear Face	26365	1	0	2	-	21.5	20.86	-0.04	0.928	1.00	1.16	1.08
	LTE 26	QPSK15M	Front Face	26965	1	74	1	-	24.5	23.84	0.02	0.258	1.00	1.16	0.30
	LTE 26	QPSK15M	Rear Face	26965	1	74	1	-	24.5	23.84	-0.1	0.394	1.00	1.16	0.46
	LTE 26	QPSK15M	Left Side	26965	1	74	1	-	24.5	23.84	0.04	0.247	1.00	1.16	0.29
	LTE 26	QPSK15M	Right Side	26965	1	74	1	-	24.5	23.84	-0.04	0.343	1.00	1.16	0.40
	LTE 26	QPSK15M	Bottom Side	26965	1	74	1	-	24.5	23.84	-0.08	0.263	1.00	1.16	0.31
	LTE 26	QPSK15M	Front Face	26965	36	0	1	-	23.5	22.81	0.05	0.209	1.00	1.17	0.24
	LTE 26	QPSK15M	Rear Face	26965	36	0	1	-	23.5	22.81	-0.03	0.308	1.00	1.17	0.36
	LTE 26	QPSK15M	Left Side	26965	36	0	1	-	23.5	22.81	0.03	0.192	1.00	1.17	0.23
	LTE 26	QPSK15M	Right Side	26965	36	0	1	-	23.5	22.81	0.02	0.272	1.00	1.17	0.32
	LTE 26	QPSK15M	Bottom Side	26965	36	0	1	-	23.5	22.81	-0.18	0.213	1.00	1.17	0.25
	LTE 26	QPSK15M	Rear Face	26765	1	74	1	-	24.5	23.55	-0.03	0.308	1.00	1.24	0.38
54	LTE 26	QPSK15M	Rear Face	26865	1	74	1	-	24.5	23.77	-0.05	0.461	1.00	1.18	0.55
	LTE 26	QPSK15M	Rear Face	26915	1	74	1	-	24.5	23.74	0	0.427	1.00	1.19	0.51
	LTE 26	QPSK15M	Rear Face	26865	1	74	2	-	24.5	23.77	0.03	0.444	1.00	1.18	0.53
	LTE 30	QPSK10M	Front Face	27710	1	0	1	-	24.0	23.31	0.06	0.698	1.00	1.17	0.82
	LTE 30	QPSK10M	Rear Face	27710	1	0	1	-	24.0	23.31	0.08	0.749	1.00	1.17	0.88
	LTE 30	QPSK10M	Left Side	27710	1	0	1	-	24.0	23.31	0.05	0.182	1.00	1.17	0.21
	LTE 30	QPSK10M	Right Side	27710	1	0	1	-	24.0	23.31	0.01	0.104	1.00	1.17	0.12
55	LTE 30	QPSK10M	Bottom Side	27710	1	0	1	-	24.0	23.31	-0.11	0.953	1.00	1.17	1.12
	LTE 30	QPSK10M	Front Face	27710	25	0	1	-	23.0	22.19	-0.06	0.583	1.00	1.21	0.70
	LTE 30	QPSK10M	Rear Face	27710	25	0	1	-	23.0	22.19	0.04	0.617	1.00	1.21	0.74
	LTE 30	QPSK10M	Left Side	27710	25	0	1	-	23.0	22.19	0.05	0.140	1.00	1.21	0.17
	LTE 30	QPSK10M	Right Side	27710	25	0	1	-	23.0	22.19	0.01	0.079	1.00	1.21	0.10
	LTE 30	QPSK10M	Bottom Side	27710	25	0	1	-	23.0	22.19	0.09	0.650	1.00	1.21	0.78
	LTE 30	QPSK10M	Front Face	27710	50	0	1	-	23.0	22.16	-0.08	0.576	1.00	1.21	0.70
	LTE 30	QPSK10M	Rear Face	27710	50	0	1	-	23.0	22.16	0.07	0.586	1.00	1.21	0.71
	LTE 30	QPSK10M	Bottom Side	27710	50	0	1	-	23.0	22.16	0.15	0.641	1.00	1.21	0.78
	LTE 30	QPSK10M	Bottom Side	27710	1	0	2	-	24.0	23.31	-0.05	0.759	1.00	1.17	0.89
	LTE 41	QPSK20M	Front Face	40620	1	0	1	62.9	23.0	22.21	0.09	0.470	1.01	1.20	0.57
	LTE 41	QPSK20M	Rear Face	40620	1	0	1	62.9	23.0	22.21	0.03	0.471	1.01	1.20	0.57
	LTE 41	QPSK20M	Left Side	40620	1	0	1	62.9	23.0	22.21	0.04	0.138	1.01	1.20	0.17
	LTE 41	QPSK20M	Right Side	40620	1	0	1	62.9	23.0	22.21	0.02	0.072	1.01	1.20	0.09
56	LTE 41	QPSK20M	Bottom Side	40620	1	0	1	62.9	23.0	22.21	-0.03	0.521	1.01	1.20	0.63
	LTE 41	QPSK20M	Front Face	40620	50	0	1	62.9	22.0	21.04	-0.15	0.413	1.01	1.25	0.52
	LTE 41	QPSK20M	Rear Face	40620	50	0	1	62.9	22.0	21.04	0.07	0.407	1.01	1.25	0.51
	LTE 41	QPSK20M	Left Side	40620	50	0	1	62.9	22.0	21.04	0.04	0.116	1.01	1.25	0.14
	LTE 41	QPSK20M	Right Side	40620	50	0	1	62.9	22.0	21.04	0.04	0.059	1.01	1.25	0.07
	LTE 41	QPSK20M	Bottom Side	40620	50	0	1	62.9	22.0	21.04	-0.09	0.421	1.01	1.25	0.53
	LTE 41	QPSK20M	Rear Face	39750	1	0	1	62.9	23.0	22.19	-0.04	0.434	1.01	1.21	0.53
	LTE 41	QPSK20M	Rear Face	39790	1	0	1	62.9	23.0	22.20	0.07	0.445	1.01	1.20	0.54
	LTE 41	QPSK20M	Rear Face	40185	1	0	1	62.9	23.0	22.06	-0.02	0.481	1.01	1.24	0.60
	LTE 41	QPSK20M	Rear Face	41055	1	0	1	62.9	23.0	21.99	0.01	0.427	1.01	1.26	0.54
	LTE 41	QPSK20M	Rear Face	41490	1	0	1	62.9	23.0	22.00	0.08	0.391	1.01	1.26	0.50
	LTE 41	QPSK20M	Bottom Side	39750	1	0	1	62.9	23.0	22.19	0.06	0.491	1.01	1.21	0.59
	LTE 41	QPSK20M	Bottom Side	39790	1	0	1	62.9	23.0	22.20	-0.18	0.495	1.01	1.20	0.60
	LTE 41	QPSK20M	Bottom Side	40185	1	0	1	62.9	23.0	22.06	0.14	0.503	1.01	1.24	0.63
	LTE 41	QPSK20M	Bottom Side	41055	1	0	1	62.9	23.0	21.99	0.1	0.442	1.01	1.26	0.56
	LTE 41	QPSK20M	Bottom Side	41490	1	0	1	62.9	23.0	22.00	0	0.339	1.01	1.26	0.43
	LTE 41	QPSK20M	Bottom Side	40620	1	0	2	62.9	23.0	22.21	-0.04	0.495	1.01	1.20	0.60
	LTE 66	QPSK20M	Front Face	132322	1	50	1	-	21.0	20.65	0.06	0.393	1.00	1.08	0.43
	LTE 66	QPSK20M	Rear Face	132322	1	50	1	-	21.0	20.65	0.02	1.040	1.00	1.08	1.13
	LTE 66	QPSK20M	Left Side	132322	1	50	1	-	21.0	20.65	-0.06	0.172	1.00	1.08	0.19
	LTE 66	QPSK20M	Right Side	132322	1	50	1	-	21.0	20.65	-0.05	0.083	1.00	1.08	0.09

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Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	LTE 66	QPSK20M	Bottom Side	132322	1	50	1	-	21.0	20.65	-0.01	0.560	1.00	1.08	0.61
	LTE 66	QPSK20M	Front Face	132322	50	0	1	-	20.0	19.35	-0.15	0.317	1.00	1.16	0.37
	LTE 66	QPSK20M	Rear Face	132322	50	0	1	-	20.0	19.35	0	0.835	1.00	1.16	0.97
	LTE 66	QPSK20M	Left Side	132322	50	0	1	-	20.0	19.35	0.1	0.047	1.00	1.16	0.05
	LTE 66	QPSK20M	Right Side	132322	50	0	1	-	20.0	19.35	-0.07	0.068	1.00	1.16	0.08
	LTE 66	QPSK20M	Bottom Side	132322	50	0	1	-	20.0	19.35	0.02	0.445	1.00	1.16	0.52
57	LTE 66	QPSK20M	Rear Face	132072	1	50	1	-	21.0	20.45	0.09	1.030	1.00	1.14	1.17
	LTE 66	QPSK20M	Rear Face	132572	1	50	1	-	21.0	20.46	0.06	0.996	1.00	1.13	1.13
	LTE 66	QPSK20M	Rear Face	132072	50	0	1	-	20.0	19.21	-0.08	0.874	1.00	1.20	1.05
	LTE 66	QPSK20M	Rear Face	132572	50	0	1	-	20.0	19.29	0.09	0.808	1.00	1.18	0.95
	LTE 66	QPSK20M	Rear Face	132322	100	0	1	-	20.0	19.27	0.11	0.835	1.00	1.18	0.99
	LTE 66	QPSK20M	Rear Face	132072	1	50	2	-	21.0	20.45	0.13	0.951	1.00	1.14	1.08
	LTE 71	QPSK20M	Front Face	133322	1	50	1	-	23.0	22.15	0	0.240	1.00	1.22	0.29
	LTE 71	QPSK20M	Rear Face	133322	1	50	1	-	23.0	22.15	-0.15	0.306	1.00	1.22	0.37
	LTE 71	QPSK20M	Left Side	133322	1	50	1	-	23.0	22.15	0.13	0.109	1.00	1.22	0.13
	LTE 71	QPSK20M	Right Side	133322	1	50	1	-	23.0	22.15	0.01	0.236	1.00	1.22	0.29
	LTE 71	QPSK20M	Bottom Side	133322	1	50	1	-	23.0	22.15	0.1	0.132	1.00	1.22	0.16
	LTE 71	QPSK20M	Front Face	133322	50	25	1	-	22.0	21.16	-0.02	0.188	1.00	1.21	0.23
	LTE 71	QPSK20M	Rear Face	133322	50	25	1	-	22.0	21.16	-0.02	0.243	1.00	1.21	0.29
	LTE 71	QPSK20M	Left Side	133322	50	25	1	-	22.0	21.16	0.08	0.084	1.00	1.21	0.10
	LTE 71	QPSK20M	Right Side	133322	50	25	1	-	22.0	21.16	0	0.184	1.00	1.21	0.22
	LTE 71	QPSK20M	Bottom Side	133322	50	25	1	-	22.0	21.16	0.04	0.105	1.00	1.21	0.13
	LTE 71	QPSK20M	Rear Face	132222	1	50	1	-	23.0	22.12	0.05	0.361	1.00	1.22	0.44
58	LTE 71	QPSK20M	Rear Face	133372	1	50	1	-	23.0	22.09	-0.19	0.377	1.00	1.23	0.46
	LTE 71	QPSK20M	Rear Face	133372	1	50	2	-	23.0	22.09	-0.1	0.372	1.00	1.23	0.46

Plot No.	Band	Mode	Test Position	Ch.	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-1g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-1g (W/kg)
	WLAN2.4G	802.11b	Front Face	11	1	100	15.5	15.18	0.03	0.075	1.00	1.08	0.08
	WLAN2.4G	802.11b	Rear Face	11	1	100	15.5	15.18	0	0.069	1.00	1.08	0.07
59	WLAN2.4G	802.11b	Right Side	11	1	100	15.5	15.18	-0.1	0.102	1.00	1.08	0.11
	WLAN2.4G	802.11b	Top Side	11	1	100	15.5	15.18	-0.04	0.033	1.00	1.08	0.04
	WLAN2.4G	802.11b	Front Face	1	1	100	13.5	12.90	-0.16	0.045	1.00	1.15	0.05
	WLAN2.4G	802.11b	Front Face	6	1	100	14.5	14.14	0.14	0.059	1.00	1.09	0.06
	WLAN2.4G	802.11b	Right Side	1	1	100	13.5	12.90	-0.08	0.066	1.00	1.15	0.08
	WLAN2.4G	802.11b	Right Side	6	1	100	14.5	14.14	-0.01	0.078	1.00	1.09	0.08
	WLAN2.4G	802.11b	Right Side	11	2	100	15.5	15.18	0.09	0.100	1.00	1.08	0.11
	WLAN5G	802.11a	Front Face	48	1	97.2	16.0	15.95	0.05	0.208	1.03	1.01	0.22
	WLAN5G	802.11a	Rear Face	48	1	97.2	16.0	15.95	0.13	0.578	1.03	1.01	0.60
60	WLAN5G	802.11a	Right Side	48	1	97.2	16.0	15.95	0.01	1.070	1.03	1.01	1.11
	WLAN5G	802.11a	Top Side	48	1	97.2	16.0	15.95	0.02	0.114	1.03	1.01	0.12
	WLAN5G	802.11a	Right Side	36	1	97.2	14.0	13.62	-0.02	0.629	1.03	1.09	0.71
	WLAN5G	802.11a	Right Side	40	1	97.2	16.0	15.76	0.08	0.869	1.03	1.06	0.94
	WLAN5G	802.11a	Right Side	44	1	97.2	16.0	15.85	0.06	0.878	1.03	1.04	0.94
	WLAN5G	802.11a	Right Side	48	2	97.2	16.0	15.95	0.16	0.984	1.03	1.01	1.02
	WLAN5G	802.11a	Front Face	157	1	98.1	18.0	17.54	0.01	0.276	1.02	1.11	0.31
	WLAN5G	802.11a	Rear Face	157	1	98.1	18.0	17.54	0.07	0.601	1.02	1.11	0.67
	WLAN5G	802.11a	Right Side	157	1	98.1	18.0	17.54	0.08	0.482	1.02	1.11	0.54
	WLAN5G	802.11a	Top Side	157	1	98.1	18.0	17.54	0.12	0.135	1.02	1.11	0.15
61	WLAN5G	802.11a	Rear Face	149	1	98.1	18.0	17.52	0.07	0.632	1.02	1.12	0.71
	WLAN5G	802.11a	Rear Face	165	1	98.1	17.0	16.88	0.15	0.551	1.02	1.03	0.57
	WLAN5G	802.11a	Rear Face	149	2	98.1	18.0	17.52	-0.06	0.601	1.02	1.12	0.67
	BT	GFSK	Front Face	78	1	76.8	6.0	5.20	0.06	0.013	1.30	1.20	0.02
	BT	GFSK	Rear Face	78	1	76.8	6.0	5.20	0.04	0.014	1.30	1.20	0.02
62	BT	GFSK	Right Side	78	1	76.8	6.0	5.20	0	0.019	1.30	1.20	0.03
	BT	GFSK	Top Side	78	1	76.8	6.0	5.20	0.05	0.005	1.30	1.20	0.01
	BT	GFSK	Rear Face	0	1	76.8	4.0	3.47	0.01	0.005	1.30	1.13	0.01
	BT	GFSK	Rear Face	39	1	76.8	4.0	3.68	0.15	0.007	1.30	1.08	0.01
	BT	GFSK	Right Side	0	1	76.8	4.0	3.47	-0.15	0.008	1.30	1.13	0.01
	BT	GFSK	Right Side	39	1	76.8	4.0	3.68	0	0.011	1.30	1.08	0.01
	BT	GFSK	Right Side	78	2	76.8	6.0	5.20	0.05	0.017	1.30	1.20	0.03

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4.6.5 SAR Results for Extremity Exposure Condition (Separation Distance is 0 cm Gap)

Plot No.	Band	Mode	Test Position	Ch.	RB#	RB Offset	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
	LTE 7	QPSK20M	Bottom Side	21100	1	0	1	-	22.0	21.65	-0.16	2.290	1.00	1.08	2.48
	LTE 7	QPSK20M	Bottom Side	21100	50	50	1	-	21.0	20.43	-0.16	1.740	1.00	1.14	1.98
	LTE 7	QPSK20M	Bottom Side	20850	1	0	1	-	22.0	21.57	-0.19	2.300	1.00	1.10	2.54
63	LTE 7	QPSK20M	Bottom Side	21350	1	0	1	-	22.0	21.47	-0.01	2.290	1.00	1.13	2.59
	LTE 7	QPSK20M	Bottom Side	21100	100	0	1	-	21.0	20.33	-0.18	1.770	1.00	1.17	2.07
	LTE 7	QPSK20M	Bottom Side	21350	1	0	2	-	22.0	21.47	-0.02	2.030	1.00	1.13	2.29
	LTE 7 (UL CA)	QPSK20M	Bottom Side	PCC:20850 SCC:21048	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.45	-0.06	1.650	1.00	1.14	1.87
	LTE 7 (UL CA)	QPSK20M	Bottom Side	PCC:21001 SCC:21199	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.07	-0.08	1.730	1.00	1.24	2.14
	LTE 7 (UL CA)	QPSK20M	Bottom Side	PCC:21152 SCC:21350	PCC:1 SCC:1	PCC:99 SCC:0	1	-	22.0	21.64	0	2.070	1.00	1.09	2.25

Plot No.	Band	Mode	Test Position	Ch.	Sample	Duty Cycle %	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Power Drift (dB)	Measured SAR-10g (W/kg)	Duty Cycle Scaling Factor	Tune-up Scaling Factor	Scaled SAR-10g (W/kg)
	WLAN5G	802.11a	Front Face	60	1	97.2	16.0	15.92	0.07	0.513	1.03	1.02	0.54
	WLAN5G	802.11a	Rear Face	60	1	97.2	16.0	15.92	0.03	0.986	1.03	1.02	1.03
64	WLAN5G	802.11a	Right Side	60	1	97.2	16.0	15.92	0.04	2.280	1.03	1.02	2.39
	WLAN5G	802.11a	Top Side	60	1	97.2	16.0	15.92	0.05	0.223	1.03	1.02	0.23
	WLAN5G	802.11a	Right Side	52	1	97.2	16.0	15.70	0.04	1.510	1.03	1.07	1.66
	WLAN5G	802.11a	Right Side	56	1	97.2	16.0	15.71	0.06	1.400	1.03	1.07	1.54
	WLAN5G	802.11a	Right Side	64	1	97.2	16.0	14.78	0.06	1.330	1.03	1.32	1.81
	WLAN5G	802.11a	Right Side	60	2	97.2	16.0	15.92	0.09	2.000	1.03	1.02	2.10
	WLAN5G	802.11a	Front Face	124	1	97.2	17.0	16.85	0.1	0.301	1.03	1.04	0.32
	WLAN5G	802.11a	Rear Face	124	1	97.2	17.0	16.85	-0.02	0.593	1.03	1.04	0.63
	WLAN5G	802.11a	Right Side	124	1	97.2	17.0	16.85	0.1	1.160	1.03	1.04	1.24
	WLAN5G	802.11a	Top Side	124	1	97.2	17.0	16.85	0.03	0.108	1.03	1.04	0.12
	WLAN5G	802.11a	Right Side	100	1	97.2	15.0	14.26	0.08	0.677	1.03	1.19	0.83
	WLAN5G	802.11a	Right Side	116	1	97.2	15.0	14.62	0.12	0.578	1.03	1.09	0.65
	WLAN5G	802.11a	Right Side	132	1	97.2	17.0	16.40	0.06	1.210	1.03	1.15	1.43
	WLAN5G	802.11a	Right Side	140	1	97.2	15.0	14.38	0.06	0.699	1.03	1.15	0.83
65	WLAN5G	802.11a	Right Side	144	1	97.2	17.0	16.45	0.07	1.660	1.03	1.14	1.94
	WLAN5G	802.11a	Right Side	144	2	97.2	17.0	16.45	0.05	1.550	1.03	1.14	1.81

4.6.6 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 , or when the original or repeated measurement is ≥ 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 , and the original, first or second repeated measurement is ≥ 1.5 W/kg, perform a third repeated measurement.

Band	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio	2nd Repeated SAR-1g (W/kg)	L/S Ratio	3rd Repeated SAR-1g (W/kg)	L/S Ratio
WCDMA IV	Rear Face	1413	1.120	1.090	1.030	N/A	N/A	N/A	N/A
WCDMA II	Rear Face	9400	1.050	1.020	1.030	N/A	N/A	N/A	N/A
LTE 7	Bottom Side	20850	1.140	1.100	1.040	N/A	N/A	N/A	N/A
LTE 30	Bottom Side	27710	0.953	0.942	1.010	N/A	N/A	N/A	N/A
WLAN5G	Left Cheek	60	1.070	1.030	1.040	N/A	N/A	N/A	N/A
WLAN5G	Left Cheek	144	1.090	1.050	1.040	N/A	N/A	N/A	N/A
WLAN5G	Left Cheek	157	1.120	1.070	1.050	N/A	N/A	N/A	N/A

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4.6.7 Simultaneous Multi-band Transmission Evaluation

<SAR Summation Analysis>

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR_{1g} of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR_{1g} 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR_{1g} is greater than the SAR limit (SAR_{1g} 1.6 W/kg), SAR test exclusion is determined by the SPLSR.

<Head>

WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM850	Right Cheek	0.57	0.13	0.62	0.02	0.70	1.21
	Right Tilted	0.24	0.08	0.58	0.02	0.31	0.84
	Left Cheek	0.34	0.37	1.27	0.08	0.71	1.69
	Left Tilted	0.22	0.15	0.74	0.03	0.38	0.99
GSM1900	Right Cheek	0.15	0.13	0.62	0.02	0.28	0.80
	Right Tilted	0.07	0.08	0.58	0.02	0.15	0.67
	Left Cheek	0.13	0.37	1.27	0.08	0.50	1.48
	Left Tilted	0.11	0.15	0.74	0.03	0.27	0.88
WCDMA II	Right Cheek	0.15	0.13	0.62	0.02	0.27	0.79
	Right Tilted	0.05	0.08	0.58	0.02	0.12	0.65
	Left Cheek	0.09	0.37	1.27	0.08	0.46	1.44
	Left Tilted	0.07	0.15	0.74	0.03	0.22	0.84
WCDMA IV	Right Cheek	0.22	0.13	0.62	0.02	0.34	0.86
	Right Tilted	0.10	0.08	0.58	0.02	0.17	0.70
	Left Cheek	0.12	0.37	1.27	0.08	0.49	1.47
	Left Tilted	0.09	0.15	0.74	0.03	0.24	0.86
WCDMA V	Right Cheek	0.53	0.13	0.62	0.02	0.66	1.18
	Right Tilted	0.31	0.08	0.58	0.02	0.39	0.91
	Left Cheek	0.42	0.37	1.27	0.08	0.79	1.77
	Left Tilted	0.31	0.15	0.74	0.03	0.46	1.08
LTE Band 5	Right Cheek	0.39	0.13	0.62	0.02	0.52	1.04
	Right Tilted	0.34	0.08	0.58	0.02	0.42	0.94
	Left Cheek	0.48	0.37	1.27	0.08	0.85	1.83
	Left Tilted	0.29	0.15	0.74	0.03	0.45	1.06
LTE Band 7	Right Cheek	0.10	0.13	0.62	0.02	0.22	0.74
	Right Tilted	0.04	0.08	0.58	0.02	0.11	0.64
	Left Cheek	0.24	0.37	1.27	0.08	0.61	1.59
	Left Tilted	0.06	0.15	0.74	0.03	0.21	0.83
LTE Band 12	Right Cheek	0.24	0.13	0.62	0.02	0.36	0.88

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WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	Right Tilted	0.18	0.08	0.58	0.02	0.25	0.78
	Left Cheek	0.36	0.37	1.27	0.08	0.73	1.71
	Left Tilted	0.22	0.15	0.74	0.03	0.37	0.99
LTE Band 13	Right Cheek	0.45	0.13	0.62	0.02	0.58	1.10
	Right Tilted	0.27	0.08	0.58	0.02	0.35	0.87
	Left Cheek	0.36	0.37	1.27	0.08	0.73	1.71
	Left Tilted	0.25	0.15	0.74	0.03	0.41	1.02
LTE Band 14	Right Cheek	0.37	0.13	0.62	0.02	0.50	1.02
	Right Tilted	0.23	0.08	0.58	0.02	0.31	0.83
	Left Cheek	0.33	0.37	1.27	0.08	0.70	1.68
	Left Tilted	0.21	0.15	0.74	0.03	0.37	0.98
LTE Band 25	Right Cheek	0.15	0.13	0.62	0.02	0.27	0.79
	Right Tilted	0.04	0.08	0.58	0.02	0.12	0.64
	Left Cheek	0.10	0.37	1.27	0.08	0.48	1.45
	Left Tilted	0.07	0.15	0.74	0.03	0.23	0.84
LTE Band 26	Right Cheek	0.42	0.13	0.62	0.02	0.54	1.06
	Right Tilted	0.28	0.08	0.58	0.02	0.35	0.88
	Left Cheek	0.44	0.37	1.27	0.08	0.81	1.78
	Left Tilted	0.23	0.15	0.74	0.03	0.38	1.00
LTE Band 30	Right Cheek	0.17	0.13	0.62	0.02	0.29	0.81
	Right Tilted	0.06	0.08	0.58	0.02	0.14	0.66
	Left Cheek	0.30	0.37	1.27	0.08	0.67	1.65
	Left Tilted	0.08	0.15	0.74	0.03	0.24	0.85
LTE Band 41	Right Cheek	0.06	0.13	0.62	0.02	0.19	0.71
	Right Tilted	0.04	0.08	0.58	0.02	0.12	0.64
	Left Cheek	0.16	0.37	1.27	0.08	0.53	1.50
	Left Tilted	0.05	0.15	0.74	0.03	0.20	0.82
LTE Band 66	Right Cheek	0.22	0.13	0.62	0.02	0.34	0.86
	Right Tilted	0.08	0.08	0.58	0.02	0.16	0.68
	Left Cheek	0.12	0.37	1.27	0.08	0.49	1.47
	Left Tilted	0.09	0.15	0.74	0.03	0.24	0.86
LTE Band 71	Right Cheek	0.31	0.13	0.62	0.02	0.44	0.96
	Right Tilted	0.20	0.08	0.58	0.02	0.27	0.80
	Left Cheek	0.31	0.37	1.27	0.08	0.68	1.66
	Left Tilted	0.18	0.15	0.74	0.03	0.34	0.95

FCC SAR Test Report

<Body Worn>

WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM850	Front	0.20	0.08	0.36	0.02	0.28	0.59
	Back	0.64	0.07	0.87	0.02	0.71	1.52
GSM1900	Front	0.68	0.08	0.36	0.02	0.76	1.06
	Back	1.19	0.07	0.87	0.02	1.26	2.07
WCDMA II	Front	0.62	0.08	0.36	0.02	0.70	1.01
	Back	1.15	0.07	0.87	0.02	1.22	2.03
WCDMA IV	Front	0.46	0.08	0.36	0.02	0.54	0.85
	Back	1.17	0.07	0.87	0.02	1.25	2.06
WCDMA V	Front	0.35	0.08	0.36	0.02	0.43	0.74
	Back	0.58	0.07	0.87	0.02	0.65	1.47
LTE Band 5	Front	0.33	0.08	0.36	0.02	0.41	0.71
	Back	0.43	0.07	0.87	0.02	0.50	1.32
LTE Band 7	Front	0.97	0.08	0.36	0.02	1.06	1.36
	Back	1.05	0.07	0.87	0.02	1.13	1.94
LTE Band 12	Front	0.28	0.08	0.36	0.02	0.36	0.67
	Back	0.52	0.07	0.87	0.02	0.59	1.40
LTE Band 13	Front	0.25	0.08	0.36	0.02	0.33	0.63
	Back	0.34	0.07	0.87	0.02	0.41	1.23
LTE Band 14	Front	0.26	0.08	0.36	0.02	0.34	0.64
	Back	0.31	0.07	0.87	0.02	0.39	1.20
LTE Band 25	Front	0.64	0.08	0.36	0.02	0.72	1.02
	Back	1.19	0.07	0.87	0.02	1.27	2.08
LTE Band 26	Front	0.30	0.08	0.36	0.02	0.38	0.68
	Back	0.55	0.07	0.87	0.02	0.62	1.43
LTE Band 30	Front	0.82	0.08	0.36	0.02	0.90	1.20
	Back	0.88	0.07	0.87	0.02	0.95	1.76
LTE Band 41	Front	0.57	0.08	0.36	0.02	0.65	0.95
	Back	0.60	0.07	0.87	0.02	0.68	1.49
LTE Band 66	Front	0.43	0.08	0.36	0.02	0.51	0.81
	Back	1.17	0.07	0.87	0.02	1.24	2.06
LTE Band 71	Front	0.29	0.08	0.36	0.02	0.37	0.67
	Back	0.46	0.07	0.87	0.02	0.54	1.35

FCC SAR Test Report

<Hotspot>

WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM850	Front	0.20	0.08	0.31	0.02	0.28	0.53
	Back	0.64	0.07	0.71	0.02	0.71	1.36
	Left side	0.16				0.16	0.16
	Right side	0.30	0.11	1.11	0.03	0.40	1.44
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.26				0.26	0.26
GSM1900	Front	0.68	0.08	0.31	0.02	0.76	1.01
	Back	1.19	0.07	0.71	0.02	1.26	1.91
	Left side	0.09				0.09	0.09
	Right side	0.16	0.11	1.11	0.03	0.27	1.30
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.71				0.71	0.71
WCDMA II	Front	0.62	0.08	0.31	0.02	0.70	0.95
	Back	1.15	0.07	0.71	0.02	1.22	1.87
	Left side	0.07				0.07	0.07
	Right side	0.12	0.11	1.11	0.03	0.23	1.26
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.72				0.72	0.72
WCDMA IV	Front	0.46	0.08	0.31	0.02	0.54	0.79
	Back	1.17	0.07	0.71	0.02	1.25	1.90
	Left side	0.06				0.06	0.06
	Right side	0.12	0.11	1.11	0.03	0.23	1.27
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.64				0.64	0.64
WCDMA V	Front	0.35	0.08	0.31	0.02	0.43	0.68
	Back	0.58	0.07	0.71	0.02	0.65	1.31
	Left side	0.22				0.22	0.22
	Right side	0.34	0.11	1.11	0.03	0.45	1.49
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.32				0.32	0.32
LTE Band 5	Front	0.33	0.08	0.31	0.02	0.41	0.65
	Back	0.43	0.07	0.71	0.02	0.50	1.16
	Left side	0.20				0.20	0.20
	Right side	0.35	0.11	1.11	0.03	0.46	1.49
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.33				0.33	0.33
LTE Band 7	Front	0.97	0.08	0.31	0.02	1.06	1.30
	Back	1.05	0.07	0.71	0.02	1.13	1.78

FCC SAR Test Report

WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	Left side	0.25				0.25	0.25
	Right side	0.17	0.11	1.11	0.03	0.28	1.31
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	1.27				1.27	1.27
LTE Band 12	Front	0.28	0.08	0.31	0.02	0.36	0.61
	Back	0.52	0.07	0.71	0.02	0.59	1.25
	Left side	0.28				0.28	0.28
	Right side	0.43	0.11	1.11	0.03	0.54	1.58
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.14				0.14	0.14
LTE Band 13	Front	0.25	0.08	0.31	0.02	0.33	0.58
	Back	0.34	0.07	0.71	0.02	0.41	1.07
	Left side	0.15				0.15	0.15
	Right side	0.32	0.11	1.11	0.03	0.43	1.46
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.27				0.27	0.27
LTE Band 14	Front	0.26	0.08	0.31	0.02	0.34	0.58
	Back	0.31	0.07	0.71	0.02	0.39	1.04
	Left side	0.14				0.14	0.14
	Right side	0.29	0.11	1.11	0.03	0.40	1.43
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.20				0.20	0.20
LTE Band 25	Front	0.64	0.08	0.31	0.02	0.72	0.96
	Back	1.19	0.07	0.71	0.02	1.27	1.92
	Left side	0.07				0.07	0.07
	Right side	0.12	0.11	1.11	0.03	0.23	1.27
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.77				0.77	0.77
LTE Band 26	Front	0.30	0.08	0.31	0.02	0.38	0.63
	Back	0.55	0.07	0.71	0.02	0.62	1.27
	Left side	0.29				0.29	0.29
	Right side	0.40	0.11	1.11	0.03	0.51	1.54
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.31				0.31	0.31
LTE Band 30	Front	0.82	0.08	0.31	0.02	0.90	1.15
	Back	0.88	0.07	0.71	0.02	0.95	1.60
	Left side	0.21				0.21	0.21
	Right side	0.12	0.11	1.11	0.03	0.23	1.26

FCC SAR Test Report

WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	1.12				1.12	1.12
LTE Band 41	Front	0.57	0.08	0.31	0.02	0.65	0.89
	Back	0.60	0.07	0.71	0.02	0.68	1.33
	Left side	0.17				0.17	0.17
	Right side	0.09	0.11	1.11	0.03	0.20	1.23
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.63				0.63	0.63
LTE Band 66	Front	0.43	0.08	0.31	0.02	0.51	0.75
	Back	1.17	0.07	0.71	0.02	1.24	1.90
	Left side	0.19				0.19	0.19
	Right side	0.09	0.11	1.11	0.03	0.20	1.23
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.61				0.61	0.61
LTE Band 71	Front	0.29	0.08	0.31	0.02	0.37	0.62
	Back	0.46	0.07	0.71	0.02	0.54	1.19
	Left side	0.13				0.13	0.13
	Right side	0.29	0.11	1.11	0.03	0.40	1.43
	Top side		0.04	0.15	0.01	0.04	0.16
	Bottom side	0.16				0.16	0.16

<Extremity>

WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE Band 7	Front Face			0.54		0.00	0.54
	Rear Face			1.03		0.00	1.03
	Right Side			2.39		0.00	2.39
	Top Side			0.23		0.00	0.23
	Bottom Side	2.59				2.59	2.59

<SAR to Peak Location Separation Ratio Analysis>

The simultaneous transmitting antennas in each operating mode and exposure condition combination are considered one pair at a time to determine the SPLSR. When SAR is measured for both antennas in the pair, the peak location separation distance is computed by the following formula.

$$\text{Peak Location Separation Distance} = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2}$$

Where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates of the extrapolated peak SAR locations in the area or zoom scans.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna. Due to curvatures on the SAM phantom, when SAR is estimated for one of the antennas in an antenna pair, the measured peak SAR location will be translated onto the test device to determine the peak location separation for the antenna pair.

The SPLSR is determined by the following formula.

$$\text{SPLSR} = \frac{(\text{SAR}_1 + \text{SAR}_2)^{1.5}}{R_i}$$

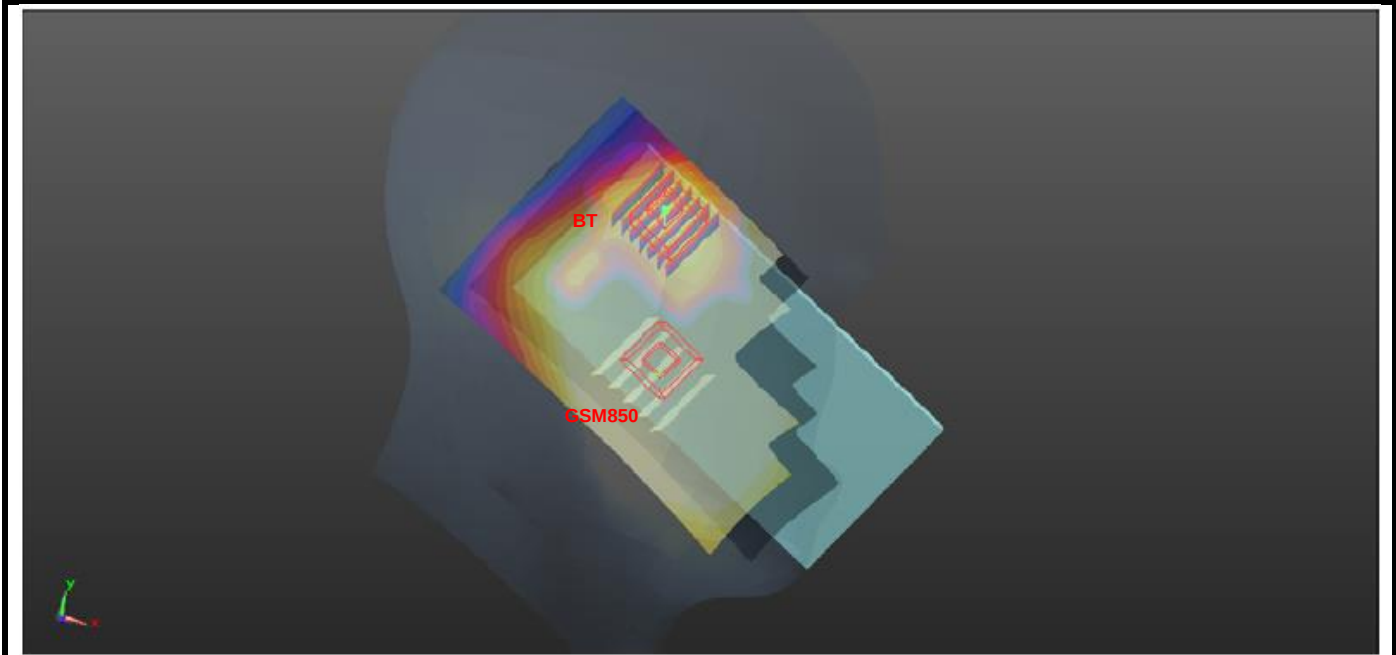
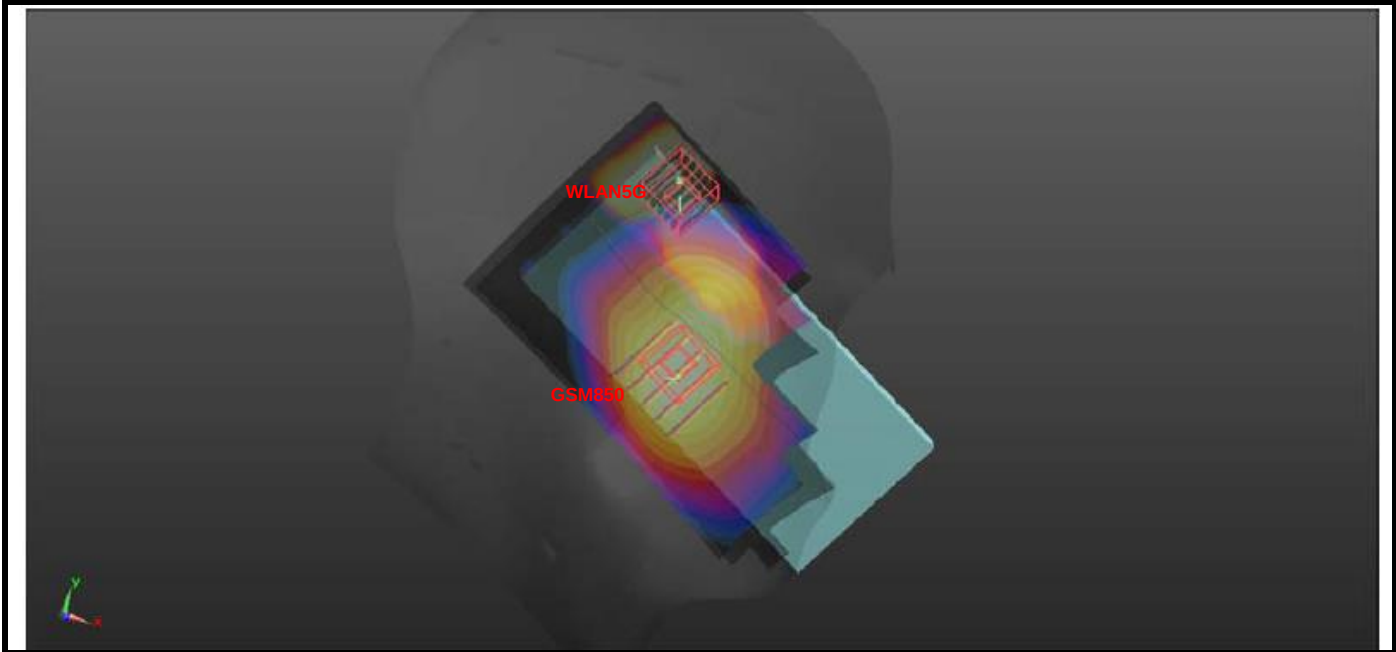
Where SAR_1 and SAR_2 are the highest reported or estimated SAR for each antenna in the pair, and R_i is the separation distance between the peak SAR locations for the antenna pair in mm.

When the SPLSR is ≤ 0.04 , the simultaneous transmission SAR is not required. Otherwise, the enlarged zoom scan and volume scan post-processing procedures will be performed.

FCC SAR Test Report

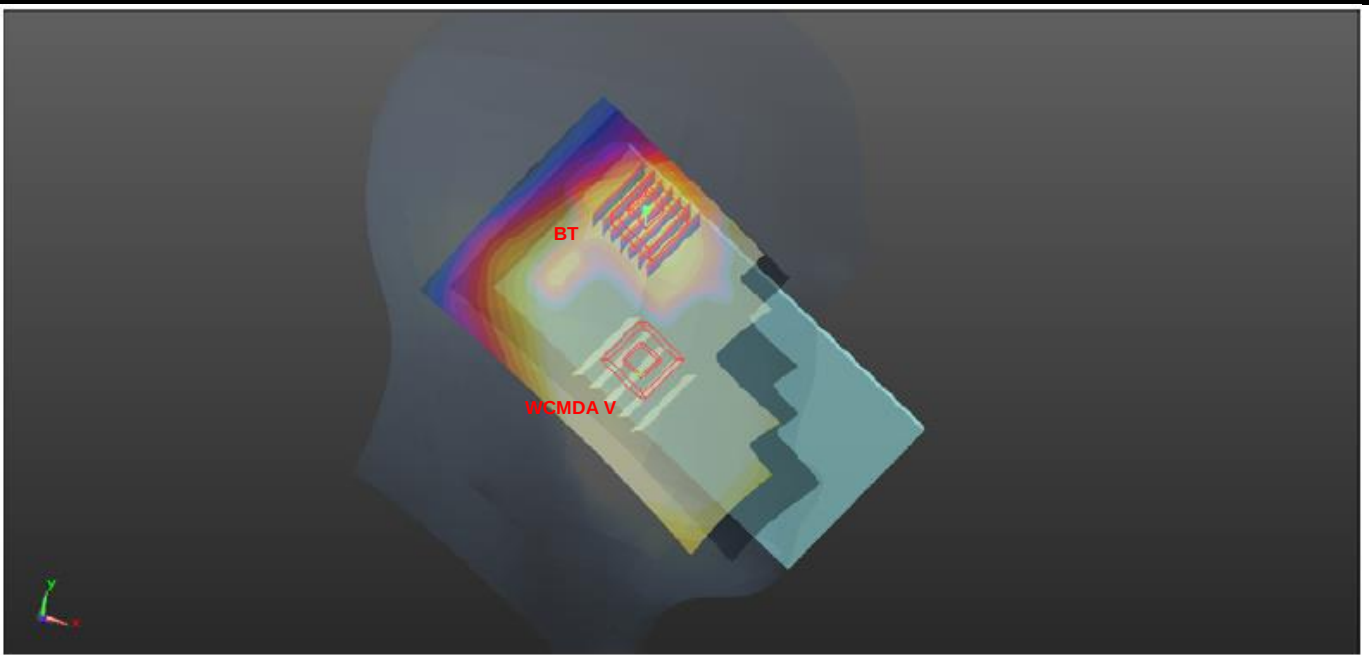
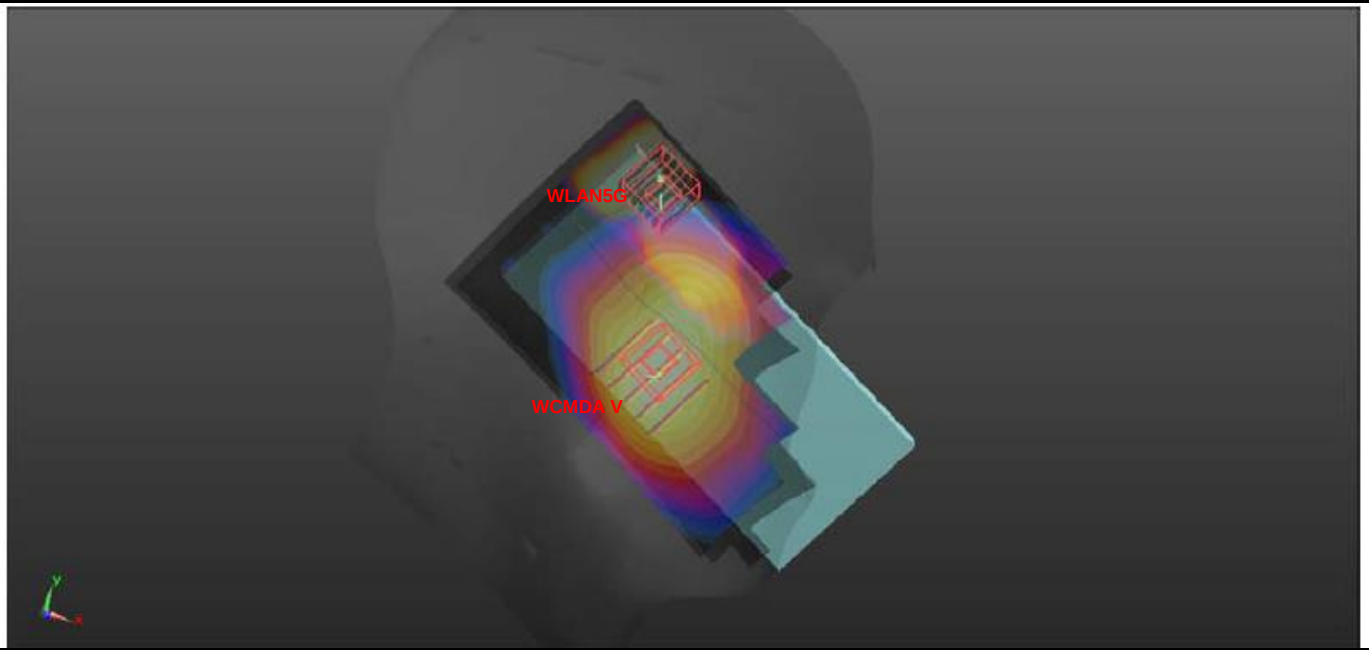
<Head>

Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			(mm)	X	Y	Z				
GSM850	Left Cheek	0.34	0	0.0575	0.258	-0.174	74.1	1.61	0.03	Not required
WLAN5G		1.27	0	0.0363	0.329	-0.175				
GSM850	Left Cheek	0.34	0	0.0575	0.258	-0.174	66.6	0.42	0.00	Not required
BT		0.08	0	0.0431	0.323	-0.175				



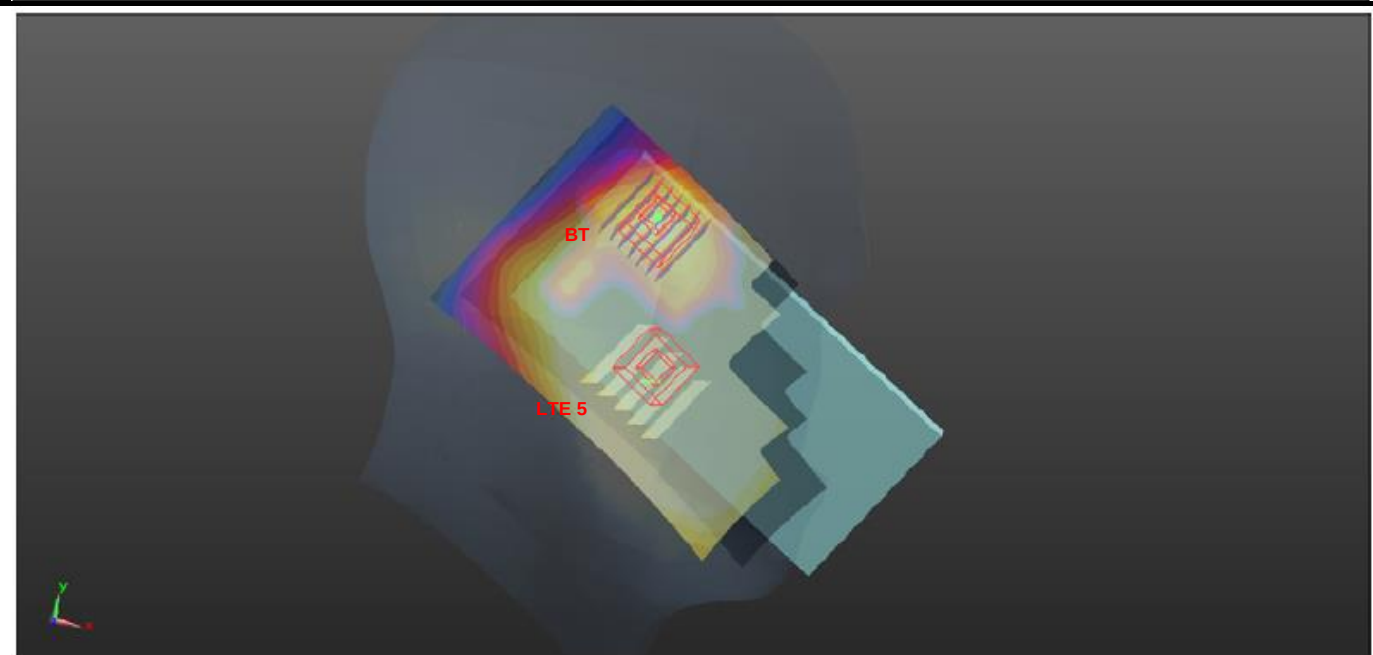
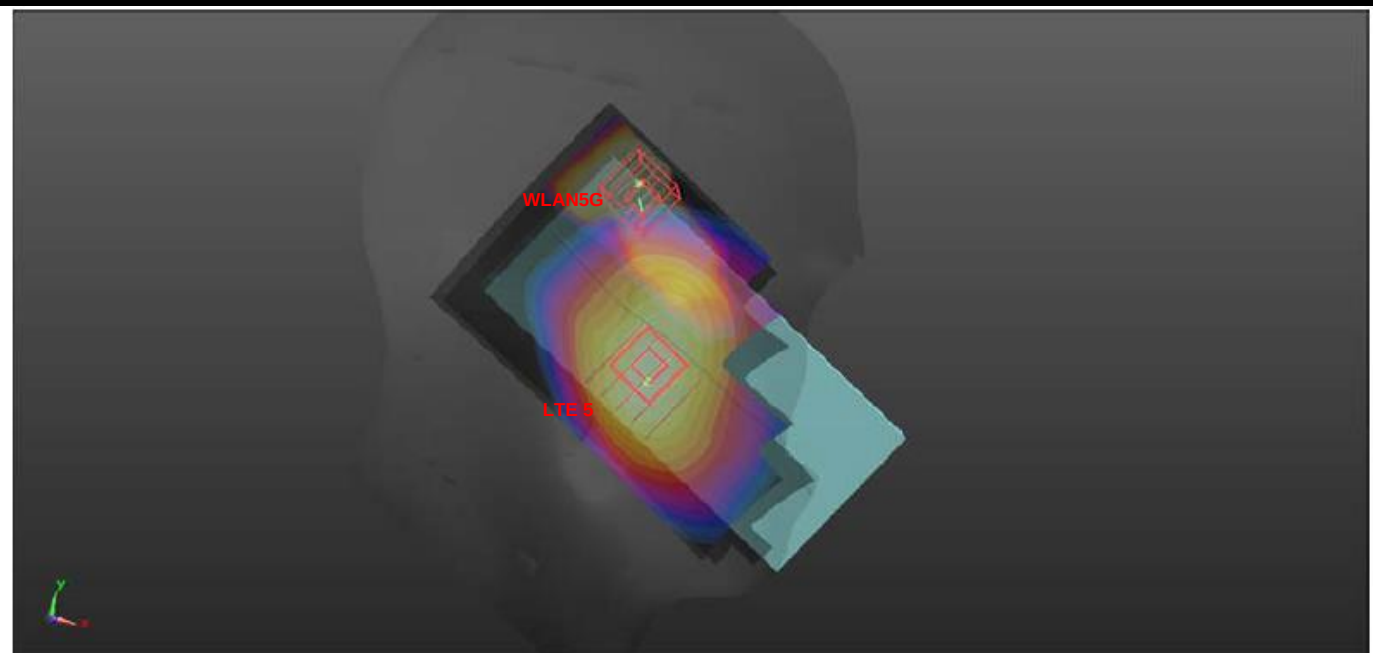
FCC SAR Test Report

Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			(mm)	X	Y	Z				
WCDMA V	Left Cheek	0.42	0	0.0547	0.269	-0.176	62.8	1.69	0.03	Not required
WLAN5G		1.27	0	0.0363	0.329	-0.175				
WCDMA V	Left Cheek	0.42	0	0.0547	0.269	-0.176	55.2	0.50	0.01	Not required
BT		0.08	0	0.0431	0.323	-0.175				



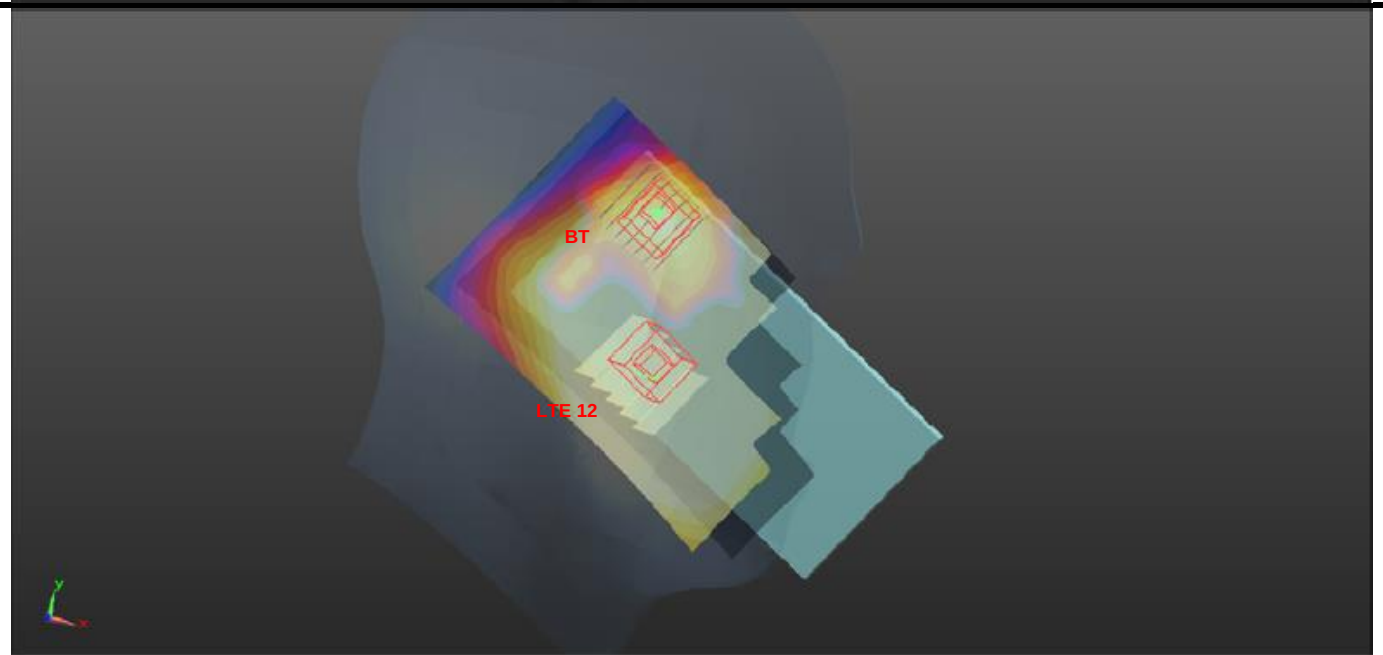
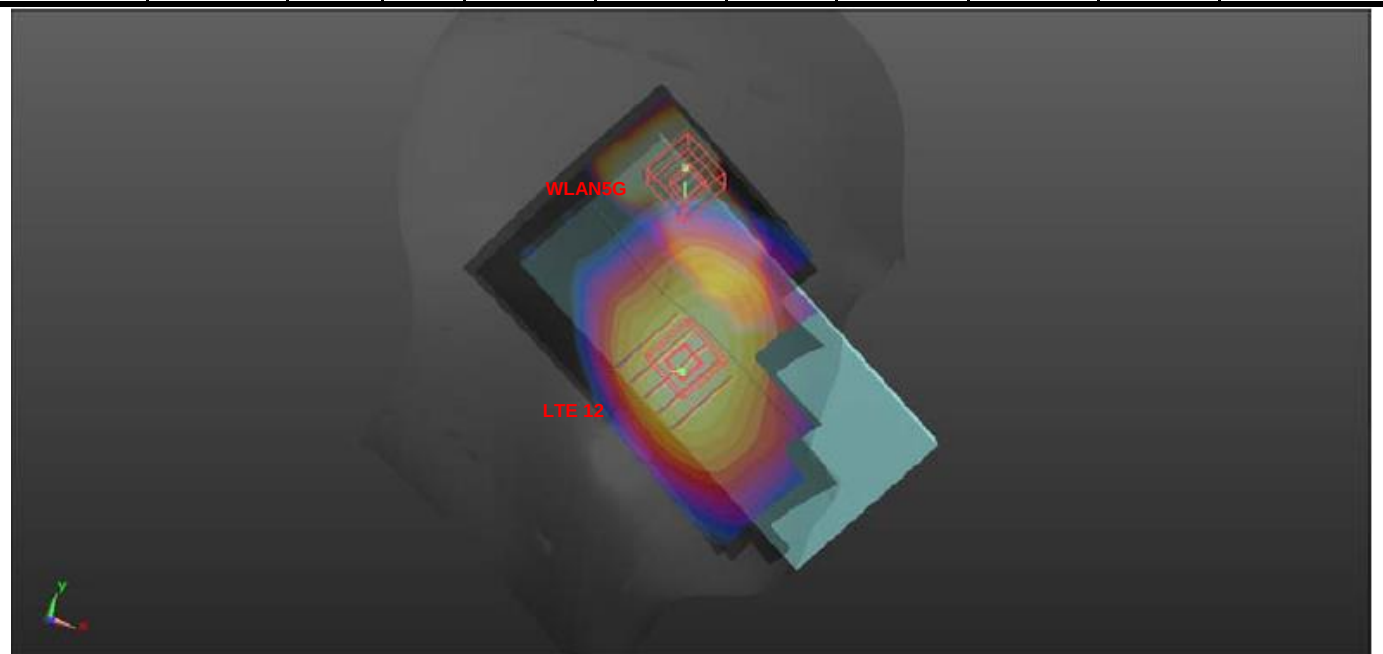
FCC SAR Test Report

Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			(mm)	X	Y	Z				
LTE Band 5	Left Cheek	0.48	0	0.0576	0.258	-0.174	74.1	1.75	0.03	Not required
WLAN5G		1.27	0	0.0363	0.329	-0.175				
LTE Band 5	Left Cheek	0.48	0	0.0576	0.258	-0.174	66.6	0.56	0.01	Not required
BT		0.08	0	0.0431	0.323	-0.175				



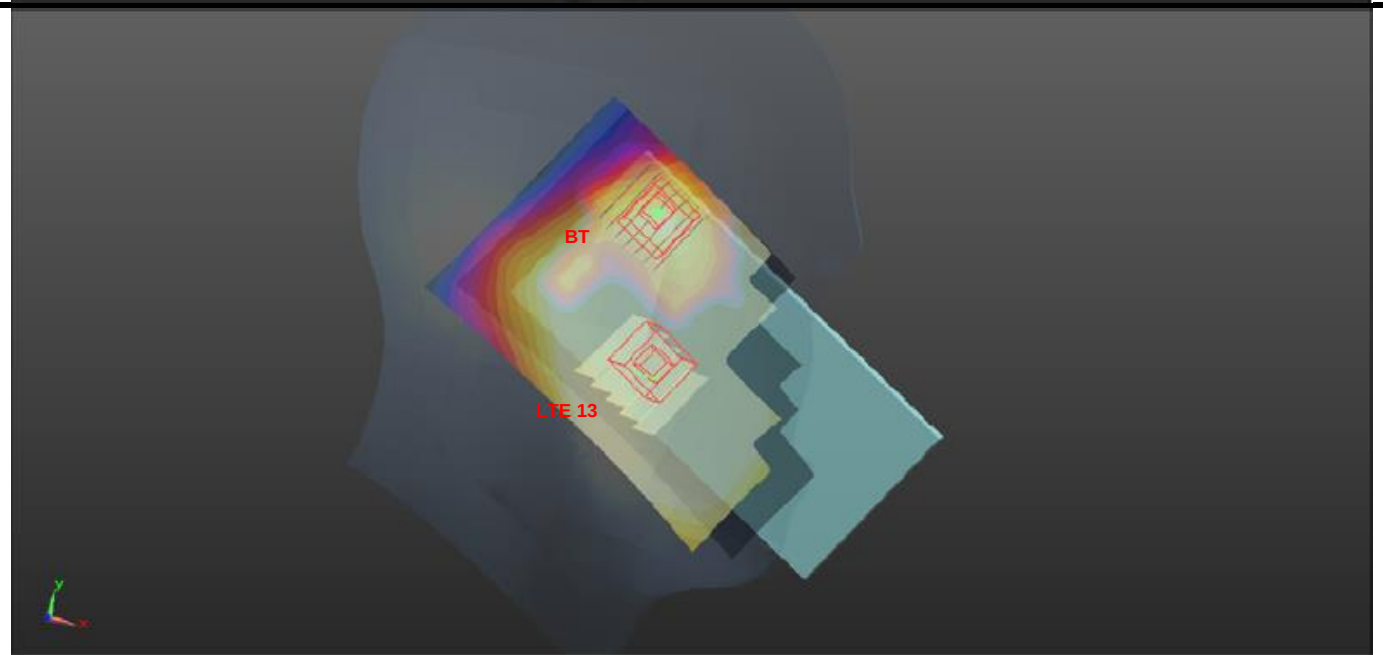
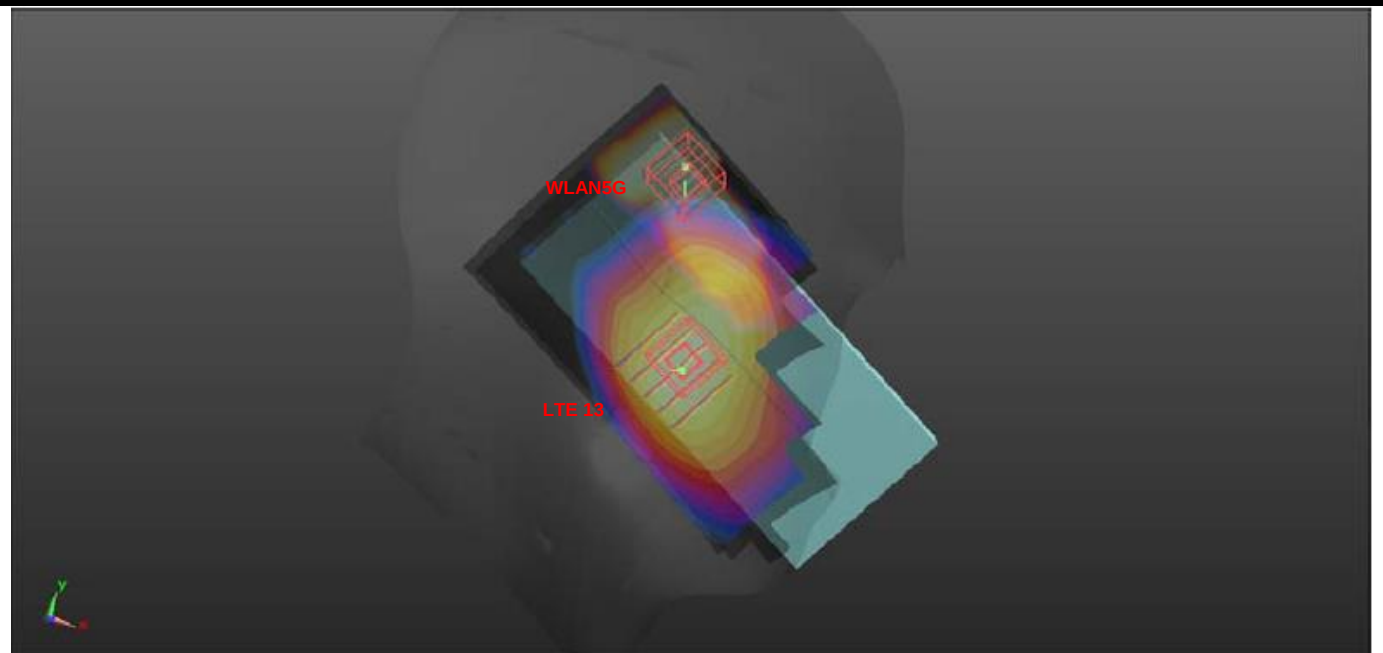
FCC SAR Test Report

Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			(mm)	X	Y	Z				
LTE Band 12	Left Cheek	0.36	0	0.0589	0.258	-0.174	74.5	1.63	0.03	Not required
WLAN5G		1.27	0	0.0363	0.329	-0.175				
LTE Band 12	Left Cheek	0.36	0	0.0589	0.258	-0.174	66.9	0.44	0.00	Not required
BT		0.08	0	0.0431	0.323	-0.175				



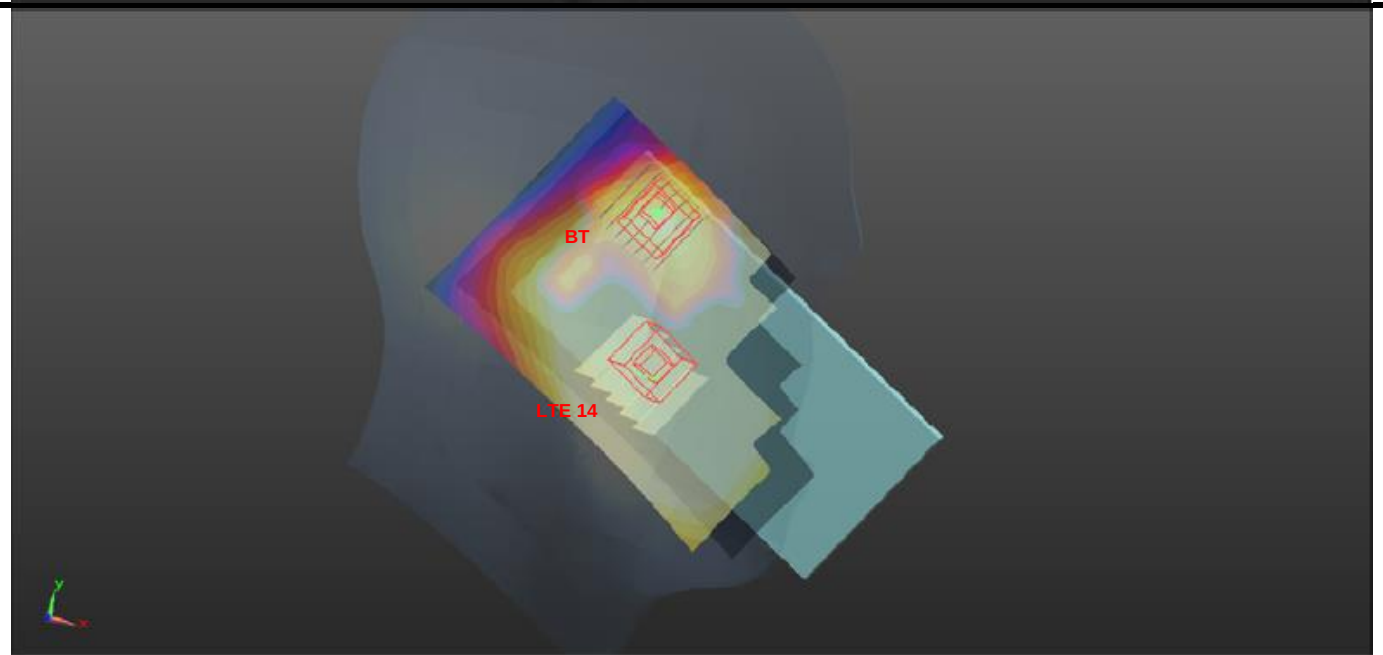
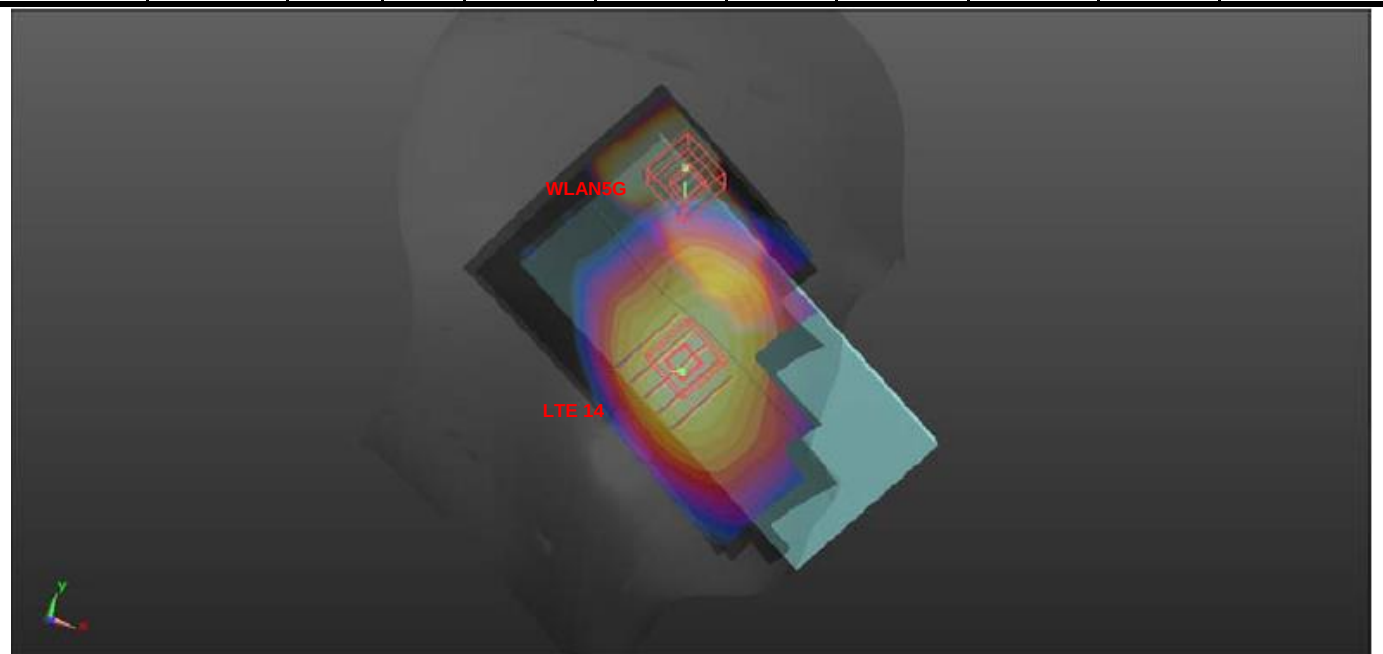
FCC SAR Test Report

Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			(mm)	X	Y	Z				
LTE Band 13	Left Cheek	0.36	0	0.0589	0.258	-0.174	74.5	1.63	0.03	Not required
WLAN5G		1.27	0	0.0363	0.329	-0.175				
LTE Band 13	Left Cheek	0.36	0	0.0589	0.258	-0.174	66.9	0.44	0.00	Not required
BT		0.08	0	0.0431	0.323	-0.175				



FCC SAR Test Report

Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			(mm)	X	Y	Z				
LTE Band 14	Left Cheek	0.33	0	0.0589	0.258	-0.174	74.5	1.60	0.03	Not required
WLAN5G		1.27	0	0.0363	0.329	-0.175				
LTE Band 14	Left Cheek	0.33	0	0.0589	0.258	-0.174	66.9	0.41	0.00	Not required
BT		0.08	0	0.0431	0.323	-0.175				



FCC SAR Test Report

Band	Position	SAR (W/kg)	Gap	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			(mm)	X	Y	Z				
LTE Band 26	Left Cheek	0.44	0	0.0676	0.273	-0.171	64.3	1.70	0.03	Not required
WLAN5G		1.27	0	0.0363	0.329	-0.175				
LTE Band 26	Left Cheek	0.44	0	0.0676	0.273	-0.171	55.8	0.51	0.01	Not required
BT		0.08	0	0.0431	0.323	-0.175				

