

Project No.	SHT2202009002EW Lava FCC SAR(Z3)		
Test sample No.	YPHT2202009023	Model No.	Z3
Start test date	2022/4/18	Finish date	2022/4/24
Temperature	22.5°C	Humidity	49%
Test Engineer	Bo Wang	Auditor	<i>Xiaodong Zhao</i>

Appendix clause	Test Item	Result
A	Conducted Power Measurement Results	PASS
B	SAR Measurement Results	PASS
C	Simultaneous Transmission analysis	PASS

Appendix A:Conducted Power Measurement Results-GSM

GSM850		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH128	CH190	CH251			CH128	CH190	CH251	
		824.2MHz	836.6MHz	848.8MHz			824.2MHz	836.6MHz	848.8MHz	
GSM		32.53	32.68	32.42	33.00	-9.03	23.50	23.65	23.39	23.97
GPRS (GMSK)	1Tx slot	32.38	32.31	32.11	32.50	-9.03	23.35	23.28	23.08	23.47
	2Tx slots	31.81	31.78	31.58	32.00	-6.02	25.79	25.76	25.56	25.98
	3Tx slots	30.07	29.98	29.97	30.50	-4.26	25.81	25.72	25.71	26.24
	4Tx slots	28.69	28.83	28.61	29.00	-3.01	25.68	25.82	25.60	25.99
EGPRS (8PSK)	1Tx slot	27.19	26.48	25.95	27.50	-9.03	18.16	17.45	16.92	18.47
	2Tx slots	25.89	25.75	25.20	26.00	-6.02	19.87	19.73	19.18	19.98
	3Tx slots	23.56	23.40	22.83	24.00	-4.26	19.30	19.14	18.57	19.74
	4Tx slots	22.12	21.75	21.48	22.50	-3.01	19.11	18.74	18.47	19.49

GSM1900		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH512	CH661	CH810			CH512	CH661	CH810	
		1850.2MHz	1880MHz	1909.8MHz			1850.2MHz	1880.0MHz	1909.8MHz	
GSM		28.88	28.94	28.74	29.00	-9.03	19.85	19.91	19.71	19.97
GPRS (GMSK)	1Tx slot	28.83	28.79	28.58	29.00	-9.03	19.80	19.76	19.55	19.97
	2Tx slots	28.18	28.21	28.01	28.50	-6.02	22.16	22.19	21.99	22.48
	3Tx slots	26.75	26.61	26.42	27.00	-4.26	22.49	22.35	22.16	22.74
	4Tx slots	25.20	25.28	25.11	25.50	-3.01	22.19	22.27	22.10	22.49
EGPRS (8PSK)	1Tx slot	24.07	24.43	24.21	24.50	-9.03	15.04	15.40	15.18	15.47
	2Tx slots	23.03	23.54	23.68	24.00	-6.02	17.01	17.52	17.66	17.98
	3Tx slots	21.24	21.48	21.84	22.00	-4.26	16.98	17.22	17.58	17.74
	4Tx slots	20.00	20.19	20.40	20.50	-3.01	16.99	17.18	17.39	17.49

Appendix A:Conducted Power Measurement Results-WCDMA

WCDMA Band II		Conducted Power (dBm)			Tune-up limit (dBm)
		CH9262	CH9400	CH9538	
		1852.4MHz	1880MHz	1907.6MHz	
AMR 12.2K		22.98	23.06	22.99	23.50
RMC 12.2K		23.01	23.09	23.02	23.50
HSDPA	Subtest-1	22.22	22.15	22.10	22.50
	Subtest-2	21.66	21.64	21.61	22.00
	Subtest-3	21.67	21.65	21.62	22.00
	Subtest-4	21.67	21.66	21.62	22.00
HSUPA	Subtest-1	20.13	20.15	20.08	20.50
	Subtest-2	20.65	20.61	20.61	21.00
	Subtest-3	21.21	21.13	21.07	21.50
	Subtest-4	20.17	20.19	20.12	20.50
	Subtest-5	22.19	22.12	22.12	22.50

WCDMA Band IV		Conducted Power (dBm)			Tune-up limit (dBm)
		CH1312	CH1413	CH1513	
		1712.4MHz	1732.6MHz	1752.6MHz	
AMR 12.2K		22.79	22.81	22.85	23.00
RMC 12.2K		22.82	22.84	22.88	23.00
HSDPA	Subtest-1	21.68	21.64	21.66	22.00
	Subtest-2	21.21	21.13	21.19	21.50
	Subtest-3	21.23	21.16	21.20	21.50
	Subtest-4	21.23	21.14	21.18	21.50
HSUPA	Subtest-1	19.87	19.82	19.91	20.00
	Subtest-2	20.37	20.31	20.44	20.50
	Subtest-3	20.88	20.85	20.91	21.00
	Subtest-4	19.90	19.88	19.94	20.00
	Subtest-5	21.89	21.86	21.89	22.00

WCDMA Band V		Conducted Power (dBm)			Tune-up limit (dBm)
		CH4132	CH4183	CH4233	
		826.4MHz	836.6MHz	846.6MHz	
AMR 12.2K		23.37	23.44	23.22	23.50
RMC 12.2K		23.41	23.48	23.25	23.50
HSDPA	Subtest-1	22.50	22.51	22.32	23.00
	Subtest-2	21.94	21.96	21.75	22.00
	Subtest-3	21.94	22.01	21.77	22.50
	Subtest-4	22.01	22.03	21.76	22.50
HSUPA	Subtest-1	20.57	20.58	20.36	21.00
	Subtest-2	21.05	21.04	20.83	21.50
	Subtest-3	21.47	21.58	21.31	22.00
	Subtest-4	20.62	20.61	20.39	21.00
	Subtest-5	22.57	22.56	22.36	23.00

Appendix A:Conducted Power Measurement Results-LTE

LTE-FDD Band 2				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width (MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	22.43	22.25	22.69	23.00
			2	22.59	22.40	22.78	
			5	22.49	22.29	22.85	
		3	0	22.66	22.39	22.76	23.00
			1	22.44	22.44	22.79	
			3	22.63	22.47	22.87	
		6	0	22.32	21.83	22.58	23.00
	16QAM	1	0	21.56	21.39	21.79	22.00
			2	21.78	21.61	21.89	
			5	21.64	21.39	21.88	
		3	0	21.52	21.30	22.20	22.50
			1	21.50	21.30	22.19	
			3	21.48	21.29	22.24	
		6	0	21.54	20.73	21.55	22.00
3	QPSK	1	0	23.66	24.07	23.68	24.50
			8	23.57	23.97	24.05	
			14	23.80	23.92	23.99	
		8	0	22.83	22.95	23.08	23.50
			4	22.84	22.99	23.06	
			7	22.85	22.94	23.07	
		15	0	22.82	22.91	23.00	23.50
	16QAM	1	0	22.73	23.10	22.88	23.50
			8	22.95	23.08	22.94	
			14	22.92	22.99	22.90	
		8	0	21.94	22.02	22.10	22.50
			4	21.94	22.01	22.03	
			7	21.97	21.97	22.10	
		15	0	21.90	21.88	21.97	22.00
5	QPSK	1	0	22.99	23.26	23.38	23.50
			12	23.17	23.30	23.13	
			24	23.02	23.06	22.96	
		12	0	22.04	22.42	22.10	22.50
			6	22.01	22.20	22.06	
			13	22.11	22.44	21.96	
		25	0	22.10	22.63	22.00	23.00
	16QAM	1	0	22.22	22.16	22.04	22.50
			12	22.41	22.28	22.17	
			24	22.25	22.11	21.93	
		12	0	21.05	21.31	21.02	22.00
			6	21.06	21.49	21.02	
			13	21.12	21.61	20.97	
		25	0	21.08	21.60	21.07	22.00

10	QPSK	1	0	22.86	22.87	22.53	23.50
			24	23.02	23.03	22.96	
			49	22.90	22.90	22.89	
		25	0	21.93	21.99	22.06	22.50
			12	21.92	21.99	22.06	
			25	22.07	21.99	21.96	
		50	0	21.94	22.44	22.02	22.50
	16QAM	1	0	22.08	21.85	22.08	22.50
			24	22.24	22.04	22.18	
			49	22.15	21.86	22.04	
		25	0	20.94	21.04	21.03	21.50
			12	20.91	21.03	21.05	
			25	21.05	20.99	20.99	
		50	0	20.94	21.38	20.98	21.50
15	QPSK	1	0	22.83	22.82	22.93	23.00
			38	22.96	22.98	22.89	
			74	22.79	22.81	22.75	
		38	0	22.18	21.84	22.01	22.50
			18	22.29	21.90	22.10	
			37	22.18	21.75	21.91	
		75	0	22.04	21.98	22.01	22.50
	16QAM	1	0	22.19	21.83	22.02	22.50
			38	22.29	21.95	22.07	
			74	22.20	21.77	21.94	
		38	0	22.21	21.85	22.00	22.50
			18	22.27	21.93	22.09	
			37	22.19	21.75	21.92	
		75	0	21.00	20.95	20.91	21.50
20	QPSK	1	0	22.70	22.57	22.65	23.50
			49	23.03	22.93	23.07	
			99	22.72	22.52	22.73	
		50	0	21.88	21.88	22.02	22.50
			25	21.88	21.87	22.01	
			50	21.98	21.87	21.77	
		100	0	21.93	21.89	21.90	22.00
	16QAM	1	0	21.85	21.76	21.76	22.50
			49	22.21	22.06	22.09	
			99	21.90	21.70	21.70	
		50	0	20.90	20.93	21.03	21.50
			25	20.89	20.90	20.99	
			50	20.98	20.94	20.78	
		100	0	20.95	20.89	20.89	21.00

LTE-FDD Band 4				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	22.27	22.43	22.48	23.00
			2	22.35	22.64	22.54	
			5	22.27	22.39	22.44	
		3	0	22.30	22.35	22.50	23.00
			1	22.28	22.46	22.48	
			3	22.34	22.53	22.56	
		6	0	21.36	21.38	21.54	22.00
	16QAM	1	0	21.42	21.83	21.66	22.00
			2	21.66	21.58	21.80	
			5	21.45	21.69	21.65	
		3	0	21.27	21.38	21.45	21.50
			1	21.26	21.26	21.47	
			3	21.28	21.33	21.49	
		6	0	20.25	20.44	20.44	20.50
3	QPSK	1	0	22.93	22.36	22.97	23.00
			8	22.53	22.32	22.49	
			14	22.37	22.47	22.45	
		8	0	21.40	21.51	21.53	22.00
			4	21.38	21.81	21.49	
			7	21.36	21.84	21.52	
		15	0	21.35	21.87	21.49	22.00
	16QAM	1	0	22.16	21.33	21.78	22.50
			8	21.61	21.36	21.67	
			14	21.54	21.37	21.66	
		8	0	20.40	20.72	20.57	21.00
			4	20.41	20.87	20.57	
			7	20.38	20.90	20.55	
		15	0	20.29	20.79	20.50	21.00
5	QPSK	1	0	22.36	22.33	22.88	23.00
			12	22.49	22.74	22.79	
			24	22.37	22.62	22.47	
		12	0	21.42	21.91	21.50	22.00
			6	21.40	21.90	21.52	
			13	21.47	21.87	21.56	
		25	0	21.45	21.90	21.59	22.00
	16QAM	1	0	21.61	21.45	21.89	22.00
			12	21.71	21.68	21.63	
			24	21.62	21.51	21.52	
		12	0	20.42	20.93	20.51	21.00
			6	20.43	20.91	20.49	
			13	20.51	20.78	20.53	
		25	0	20.43	20.95	20.57	21.00

10	QPSK	1	0	22.90	22.45	22.87	23.50
			24	22.49	23.00	22.58	
			49	22.38	22.86	22.47	
		25	0	21.48	21.97	21.55	22.00
			12	21.51	21.98	21.53	
			25	21.70	21.93	21.64	
		50	0	21.48	21.92	21.56	22.00
	16QAM	1	0	22.10	21.77	21.68	22.50
			24	21.68	21.86	21.79	
			49	21.63	21.74	21.71	
		25	0	20.59	20.99	20.56	21.00
			12	20.48	20.99	20.56	
			25	20.63	20.91	20.62	
		50	0	20.51	20.91	20.55	21.00
15	QPSK	1	0	22.68	22.24	22.66	23.00
			38	22.74	22.31	22.44	
			74	22.39	22.38	22.22	
		38	0	21.86	21.22	21.48	22.00
			18	21.65	21.30	21.60	
			37	21.53	21.46	21.57	
		75	0	21.36	21.90	21.50	22.00
	16QAM	1	0	22.05	21.23	21.62	22.50
			38	21.70	21.44	21.60	
			74	22.01	21.17	21.55	
		38	0	21.53	21.24	21.47	22.00
			18	21.63	21.51	21.59	
			37	21.53	21.30	21.57	
		75	0	20.40	20.86	20.47	21.00
20	QPSK	1	0	22.18	22.37	22.67	23.50
			49	22.57	22.72	23.06	
			99	22.15	22.42	22.37	
		50	0	21.43	21.78	21.68	22.00
			25	21.33	21.85	21.89	
			50	21.58	21.85	21.76	
		100	0	21.59	21.84	21.74	22.00
	16QAM	1	0	21.40	21.46	21.71	22.00
			49	21.73	21.92	21.89	
			99	21.41	21.28	21.41	
		50	0	20.29	20.85	20.60	21.00
			25	20.31	20.91	20.86	
			50	20.70	20.89	20.49	
		100	0	20.66	20.87	20.55	21.00

LTE-FDD Band 5				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	24.01	24.16	23.93	24.50
			2	24.16	24.11	23.62	
			5	24.10	24.07	23.23	
		3	0	23.73	24.05	23.33	24.50
			1	23.60	24.07	23.30	
			3	23.64	23.94	23.31	
		6	0	22.57	22.63	22.28	23.00
	16QAM	1	0	22.88	23.15	22.75	23.50
			2	23.08	23.29	22.56	
			5	22.88	23.18	22.31	
		3	0	22.48	22.95	22.14	23.00
			1	22.49	22.83	22.15	
			3	22.32	22.57	22.15	
		6	0	21.57	21.68	21.37	22.00
3	QPSK	1	0	24.30	24.44	24.00	24.50
			8	24.31	24.44	24.11	
			14	24.28	24.21	23.90	
		8	0	23.29	23.00	22.76	23.50
			4	23.31	22.96	22.89	
			7	23.35	23.30	22.98	
		15	0	23.25	23.25	23.06	23.50
	16QAM	1	0	23.42	23.30	23.21	23.50
			8	23.44	23.20	23.10	
			14	23.42	22.93	22.79	
		8	0	22.37	22.20	21.82	22.50
			4	22.35	22.04	22.09	
			7	22.38	22.10	21.96	
		15	0	22.25	22.07	21.99	22.50
5	QPSK	1	0	23.98	24.36	23.96	24.50
			12	24.16	24.24	23.73	
			24	24.02	23.94	23.77	
		12	0	22.98	22.89	22.37	23.50
			6	23.13	23.08	22.60	
			13	23.17	23.05	22.48	
		25	0	23.13	22.85	22.51	23.50
	16QAM	1	0	23.18	23.12	22.87	23.50
			12	23.34	23.16	22.69	
			24	23.23	22.89	22.76	
		12	0	22.12	21.90	21.41	22.50
			6	22.12	22.10	21.50	
			13	22.24	21.93	21.54	
		25	0	22.15	21.91	21.54	22.50
10	QPSK	1	0	23.89	24.35	23.99	24.50
			24	24.14	24.44	23.96	
			49	24.05	24.17	23.53	
		25	0	23.05	23.24	22.67	23.50
			12	23.20	23.37	23.00	
			25	23.19	23.42	23.01	
		50	0	23.20	23.39	22.92	23.50
	16QAM	1	0	23.12	23.18	23.13	23.50
			24	23.28	23.25	22.92	
			49	23.25	23.07	22.63	
		25	0	22.22	22.39	21.74	22.50
			12	22.28	22.40	21.80	
			25	22.30	22.49	21.91	
		50	0	22.28	22.35	21.87	22.50

LTE-FDD Band 7				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	23.00	22.74	22.75	23.50
			12	23.13	22.90	22.93	
			24	22.58	22.79	22.78	
		12	0	21.60	21.70	21.87	22.00
			6	21.72	21.72	21.84	
			13	21.63	21.73	21.85	
		25	0	21.59	21.72	21.87	22.00
	16QAM	1	0	22.20	21.69	21.77	22.50
			12	22.05	21.90	21.96	
			24	21.77	21.72	21.78	
		12	0	20.71	20.73	20.80	21.00
			6	20.65	20.69	20.81	
			13	20.72	20.74	20.84	
		25	0	20.59	20.79	20.85	21.00
10	QPSK	1	0	22.56	22.23	22.41	23.00
			24	22.97	22.73	22.72	
			49	22.84	22.62	22.51	
		25	0	21.83	21.42	21.56	22.00
			12	21.49	21.61	21.52	
			25	21.69	21.62	21.52	
		50	0	21.44	21.57	21.48	22.00
	16QAM	1	0	22.00	21.70	21.46	22.50
			24	22.16	22.02	21.62	
			49	21.94	21.79	21.44	
		25	0	20.73	20.70	20.60	21.00
			12	20.40	20.60	20.58	
			25	20.57	20.68	20.59	
		50	0	20.47	20.64	20.51	21.00
15	QPSK	1	0	22.28	22.25	22.34	23.00
			38	22.46	22.72	22.82	
			74	22.35	22.62	22.68	
		38	0	21.61	21.51	21.81	22.00
			18	21.80	21.66	21.98	
			37	21.71	21.53	21.82	
		75	0	21.52	21.74	21.81	22.00
	16QAM	1	0	21.59	21.47	21.83	22.00
			38	21.80	21.67	21.97	
			74	21.68	21.52	21.88	
		38	0	21.61	21.51	21.82	22.00
			18	21.81	21.65	21.96	
			37	21.72	21.55	21.83	
		75	0	20.51	20.75	20.77	21.00
20	QPSK	1	0	22.12	22.13	22.34	23.00
			49	22.53	22.62	22.81	
			99	22.21	22.26	22.50	
		50	0	21.21	21.52	21.64	22.00
			25	21.17	21.51	21.64	
			50	21.38	21.63	21.60	
		100	0	21.32	21.62	21.62	22.00
	16QAM	1	0	21.35	21.27	21.40	22.00
			49	21.68	21.70	21.77	
			99	21.38	21.36	21.49	
		50	0	20.25	20.58	20.65	21.00
			25	20.21	20.57	20.62	
			50	20.45	20.68	20.59	
		100	0	20.35	20.64	20.62	21.00

LTE-FDD Band 12				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	24.06	23.60	23.61	24.50
			2	23.72	23.71	23.69	
			5	23.61	23.53	23.54	
		3	0	23.69	23.66	23.64	24.00
			1	23.70	23.64	23.62	
			3	23.74	23.71	23.68	
		6	0	22.63	22.61	22.65	23.00
	16QAM	1	0	22.79	22.72	22.47	23.00
			2	22.95	22.85	22.62	
			5	22.74	22.70	22.45	
		3	0	22.58	22.61	22.46	23.00
			1	22.58	22.55	22.48	
			3	22.58	22.57	22.42	
		6	0	21.69	21.53	21.61	22.00
3	QPSK	1	0	23.58	23.81	23.85	24.00
			8	23.59	23.45	23.54	
			14	23.59	23.51	23.52	
		8	0	22.54	22.51	22.53	23.00
			4	22.54	22.51	22.53	
			7	22.53	22.51	22.56	
		15	0	22.61	22.54	22.59	23.00
	16QAM	1	0	22.42	22.70	22.72	23.00
			8	22.45	22.69	22.69	
			14	22.52	22.71	22.67	
		8	0	21.54	21.55	21.54	22.00
			4	21.53	21.56	21.57	
			7	21.54	21.55	21.55	
		15	0	21.42	21.50	21.57	22.00
5	QPSK	1	0	23.52	23.82	23.44	24.00
			12	23.65	23.60	23.57	
			24	23.53	23.60	23.51	
		12	0	22.60	22.52	22.55	23.00
			6	22.67	22.51	22.56	
			13	22.63	22.50	22.56	
		25	0	22.57	22.51	22.56	23.00
	16QAM	1	0	22.74	22.49	22.54	23.00
			12	22.87	22.58	22.62	
			24	22.82	22.60	22.55	
		12	0	21.60	21.54	21.53	22.00
			6	21.58	21.53	21.51	
			13	21.62	21.50	21.52	
		25	0	21.57	21.56	21.55	22.00
10	QPSK	1	0	23.46	23.38	23.25	24.00
			24	23.68	23.61	23.68	
			49	23.55	23.57	23.53	
		25	0	22.62	22.62	22.65	23.00
			12	22.60	22.59	22.62	
			25	22.52	22.55	22.71	
		50	0	22.56	22.56	22.63	23.00
	16QAM	1	0	22.65	22.44	22.63	23.00
			24	22.84	22.57	22.87	
			49	22.73	22.47	22.72	
		25	0	21.66	21.67	21.64	22.00
			12	21.63	21.64	21.62	
			25	21.56	21.62	21.65	
		50	0	21.60	21.58	21.59	22.00

LTE-FDD Band 17				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	24.51	24.33	24.28	25.00
			12	24.67	24.66	24.60	
			24	24.54	24.53	24.45	
		12	0	23.64	23.64	23.62	24.00
			6	23.67	23.64	23.36	
			13	23.64	23.62	23.63	
		25	0	23.63	23.65	23.33	24.00
	16QAM	1	0	23.77	23.58	23.53	24.00
			12	23.89	23.70	23.65	
			24	23.78	23.57	23.47	
		12	0	22.68	22.66	22.54	23.00
			6	22.68	22.67	22.42	
			13	22.64	22.65	22.23	
		25	0	22.63	22.69	22.41	23.00
10	QPSK	1	0	24.61	24.29	24.37	25.00
			24	24.73	24.59	24.59	
			49	24.56	24.50	24.54	
		25	0	23.71	23.72	23.72	24.00
			12	23.72	23.75	23.73	
			25	23.69	23.71	23.76	
		50	0	23.69	23.69	23.69	24.00
	16QAM	1	0	23.55	23.74	23.70	24.00
			24	23.66	23.87	23.87	
			49	23.55	23.72	23.72	
		25	0	22.78	22.76	22.75	23.00
			12	22.75	22.73	22.80	
			25	22.74	22.69	22.74	
		50	0	22.76	22.69	22.73	23.00

Appendix A:Conducted Power Measurement Results-WIFI/Bluetooth

WIFI 2.4G					
Mode	Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
802.11b	1	2412	13.24	11.04	11.50
	6	2437	13.78	11.63	12.00
	11	2462	13.38	11.15	11.50
802.11g	1	2412	16.38	13.02	13.50
	6	2437	16.84	13.44	13.50
	11	2462	16.35	13.06	13.50
802.11n (HT20)	1	2412	16.13	12.76	13.00
	6	2437	16.57	13.12	13.50
	11	2462	16.13	12.84	13.00

WIFI 5G U-NII-1					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	36	5180	13.75	14.00
		44	5220	13.64	14.00
		48	5240	13.81	14.00
	802.11n	36	5180	13.85	14.00
		44	5220	14.19	14.50
		48	5240	14.19	14.50
	802.11a	36	5180	14.02	14.50
		44	5220	14.26	14.50
		48	5240	14.34	14.50
40	802.11ac	38	5190	12.53	13.00
		46	5230	12.75	13.00
	802.11n	38	5190	12.06	12.50
		46	5230	11.99	12.00

WIFI 5G U-NII-2A					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	52	5260	13.22	13.50
		56	5280	13.29	13.50
		64	5320	13.10	13.50
	802.11n	52	5260	13.66	14.00
		56	5280	13.73	14.00
		64	5320	13.59	14.00
	802.11a	52	5260	13.80	14.00
		56	5280	13.71	14.00
		64	5320	13.78	14.00
40	802.11ac	54	5270	13.01	13.50
		62	5310	13.06	13.50
	802.11n	54	5270	12.10	12.50
		62	5310	12.13	12.50

Bluetooth						
Mode		Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
EDR	GFSK	0	2402	6.59	6.45	6.50
		39	2441	6.28	6.15	6.50
		78	2480	6.37	6.27	6.50
	$\pi/4$ QPSK	0	2402	7.38	7.20	7.50
		39	2441	6.38	6.29	6.50
		78	2480	6.56	6.45	6.50
	8DPSK	0	2402	7.44	7.24	7.50
		39	2441	6.68	6.60	7.00
		78	2480	6.61	6.53	7.00
BLE	GFSK	0	2402	-6.17	-6.29	-6.00
		19	2440	-3.50	-3.63	-3.50
		39	2480	-4.58	-4.69	-4.50

Appendix B:SAR Measurement Results-Head

GSM850										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 4Tx slots	Left-Cheek	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	-0.16	0.587	0.610	1
		251	848.8	28.61	29.00	1.094	-	-	-	-
	Left-Tilt	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	0.18	0.449	0.467	-
		251	848.8	28.61	29.00	1.094	-	-	-	-
	Right-Cheek	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	0.07	0.544	0.566	-
		251	848.8	28.61	29.00	1.094	-	-	-	-
	Right-Tilt	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	-0.09	0.412	0.428	-
		251	848.8	28.61	29.00	1.094	-	-	-	-

GSM1900										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 3Tx slots	Left-Cheek	512	1850.2	26.75	27.00	1.059	-0.04	0.746	0.790	2
		661	1880.0	26.61	27.00	1.094	-	-	-	-
		810	1909.8	26.42	27.00	1.143	-	-	-	-
	Left-Tilt	512	1850.2	26.75	27.00	1.059	-0.03	0.600	0.636	-
		661	1880.0	26.61	27.00	1.094	-	-	-	-
		810	1909.8	26.42	27.00	1.143	-	-	-	-
	Right-Cheek	512	1850.2	26.75	27.00	1.059	0.02	0.717	0.759	-
		661	1880.0	26.61	27.00	1.094	-	-	-	-
		810	1909.8	26.42	27.00	1.143	-	-	-	-
	Right-Tilt	512	1850.2	26.75	27.00	1.059	0.03	0.564	0.597	-
		661	1880.0	26.61	27.00	1.094	-	-	-	-
		810	1909.8	26.42	27.00	1.143	-	-	-	-

WCDMA Band II										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Left-Cheek	9262	1852.4	23.01	23.50	1.119	-	-	-	-
		9400	1880.0	23.09	23.50	1.099	0.12	0.705	0.775	3
		9538	1907.6	23.02	23.50	1.117	-	-	-	-
	Left-Tilt	9262	1852.4	23.01	23.50	1.119	-	-	-	-
		9400	1880.0	23.09	23.50	1.099	0.10	0.580	0.637	-
		9538	1907.6	23.02	23.50	1.117	-	-	-	-
	Right-Cheek	9262	1852.4	23.01	23.50	1.119	-	-	-	-
		9400	1880.0	23.09	23.50	1.099	0.16	0.673	0.740	-
		9538	1907.6	23.02	23.50	1.117	-	-	-	-
	Right-Tilt	9262	1852.4	23.01	23.50	1.119	-	-	-	-
		9400	1880.0	23.09	23.50	1.099	-0.05	0.539	0.592	-
		9538	1907.6	23.02	23.50	1.117	-	-	-	-

WCDMA Band IV										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Left-Cheek	1312	1712.4	22.82	23.00	1.042	-	-	-	-
		1413	1732.6	22.84	23.00	1.038	-	-	-	-
		1513	1752.6	22.88	23.00	1.028	0.03	0.710	0.730	4
	Left-Tilt	1312	1712.4	22.82	23.00	1.042	-	-	-	-
		1413	1732.6	22.84	23.00	1.038	-	-	-	-
		1513	1752.6	22.88	23.00	1.028	0.03	0.584	0.600	-
	Right-Cheek	1312	1712.4	22.82	23.00	1.042	-	-	-	-
		1413	1732.6	22.84	23.00	1.038	-	-	-	-
		1513	1752.6	22.88	23.00	1.028	0.04	0.678	0.697	-
	Right-Tilt	1312	1712.4	22.82	23.00	1.042	-	-	-	-
		1413	1732.6	22.84	23.00	1.038	-	-	-	-
		1513	1752.6	22.88	23.00	1.028	-0.01	0.543	0.558	-

WCDMA Band V										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Left-Cheek	4132	826.4	23.41	23.50	1.021	-	-	-	-
		4183	836.6	23.48	23.50	1.005	-0.15	0.257	0.258	5
		4233	846.6	23.25	23.50	1.059	-	-	-	-
	Left-Tilt	4132	826.4	23.41	23.50	1.021	-	-	-	-
		4183	836.6	23.48	23.50	1.005	0.17	0.197	0.198	-
		4233	846.6	23.25	23.50	1.059	-	-	-	-
	Right-Cheek	4132	826.4	23.41	23.50	1.021	-	-	-	-
		4183	836.6	23.48	23.50	1.005	0.07	0.238	0.239	-
		4233	846.6	23.25	23.50	1.059	-	-	-	-
	Right-Tilt	4132	826.4	23.41	23.50	1.021	-	-	-	-
		4183	836.6	23.48	23.50	1.005	-0.09	0.180	0.181	-
		4233	846.6	23.25	23.50	1.059	-	-	-	-

LTE Band 2										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Left-Cheek	18700	1860.0	23.03	23.50	1.114	0.18	0.683	0.761	-
		18900	1880.0	22.93	23.50	1.140	-0.02	0.701	0.799	-
		19100	1900.0	23.07	23.50	1.104	0.09	0.726	0.802	6
	Left-Tilt	18700	1860.0	23.03	23.50	1.114	-	-	-	-
		18900	1880.0	22.93	23.50	1.140	-	-	-	-
		19100	1900.0	23.07	23.50	1.104	0.05	0.608	0.671	-
	Right-Cheek	18700	1860.0	23.03	23.50	1.114	-	-	-	-
		18900	1880.0	22.93	23.50	1.140	-	-	-	-
		19100	1900.0	23.07	23.50	1.104	-0.07	0.701	0.775	-
	Right-Tilt	18700	1860.0	23.03	23.50	1.114	-	-	-	-
		18900	1880.0	22.93	23.50	1.140	-	-	-	-
		19100	1900.0	23.07	23.50	1.104	0.03	0.556	0.614	-
20M QPSK 50RB	Left-Cheek	18700	1860.0	21.88	22.50	1.153	-	-	-	-
		18900	1880.0	21.88	22.50	1.153	-	-	-	-
		19100	1900.0	22.02	22.50	1.117	0.04	0.654	0.730	-
	Left-Tilt	18700	1860.0	21.88	22.50	1.153	-	-	-	-
		18900	1880.0	21.88	22.50	1.153	-	-	-	-
		19100	1900.0	22.02	22.50	1.117	-0.02	0.507	0.566	-
	Right-Cheek	18700	1860.0	21.88	22.50	1.153	-	-	-	-
		18900	1880.0	21.88	22.50	1.153	-	-	-	-
		19100	1900.0	22.02	22.50	1.117	0.02	0.651	0.727	-
	Right-Tilt	18700	1860.0	21.88	22.50	1.153	-	-	-	-
		18900	1880.0	21.88	22.50	1.153	-	-	-	-
		19100	1900.0	22.02	22.50	1.117	0.02	0.531	0.594	-
20M QPSK 100RB	Left-Cheek	18700	1860.0	21.93	22.00	1.016	-	-	-	-
		18900	1880.0	21.89	22.00	1.026	-	-	-	-
		19100	1900.0	21.90	22.00	1.023	0.13	0.608	0.622	-
	Left-Tilt	18700	1860.0	21.93	22.00	1.016	-	-	-	-
		18900	1880.0	21.89	22.00	1.026	-	-	-	-
		19100	1900.0	21.90	22.00	1.023	0.05	0.449	0.459	-
	Right-Cheek	18700	1860.0	21.93	22.00	1.016	-	-	-	-
		18900	1880.0	21.89	22.00	1.026	-	-	-	-
		19100	1900.0	21.90	22.00	1.023	-0.16	0.586	0.600	-
	Right-Tilt	18700	1860.0	21.93	22.00	1.016	-	-	-	-
		18900	1880.0	21.89	22.00	1.026	-	-	-	-
		19100	1900.0	21.90	22.00	1.023	0.08	0.412	0.422	-

LTE Band 4										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Left-Cheek	20050	1720.0	22.57	23.50	1.239	-	-	-	-
		20175	1732.5	22.72	23.50	1.197	-	-	-	-
		20300	1745.0	23.06	23.50	1.107	0.05	0.714	0.790	7
	Left-Tilt	20050	1720.0	22.57	23.50	1.239	-	-	-	-
		20175	1732.5	22.72	23.50	1.197	-	-	-	-
		20300	1745.0	23.06	23.50	1.107	0.03	0.598	0.662	-
	Right-Cheek	20050	1720.0	22.57	23.50	1.239	-	-	-	-
		20175	1732.5	22.72	23.50	1.197	-	-	-	-
		20300	1745.0	23.06	23.50	1.107	-0.04	0.690	0.763	-
	Right-Tilt	20050	1720.0	22.57	23.50	1.239	-	-	-	-
		20175	1732.5	22.72	23.50	1.197	-	-	-	-
		20300	1745.0	23.06	23.50	1.107	0.02	0.547	0.605	-
20M QPSK 50RB	Left-Cheek	20050	1720.0	21.33	22.00	1.167	-	-	-	-
		20175	1732.5	21.85	22.00	1.035	-	-	-	-
		20300	1745.0	21.89	22.00	1.026	-0.05	0.539	0.553	-
	Left-Tilt	20050	1720.0	21.33	22.00	1.167	-	-	-	-
		20175	1732.5	21.85	22.00	1.035	-	-	-	-
		20300	1745.0	21.89	22.00	1.026	0.03	0.418	0.429	-
	Right-Cheek	20050	1720.0	21.33	22.00	1.167	-	-	-	-
		20175	1732.5	21.85	22.00	1.035	-	-	-	-
		20300	1745.0	21.89	22.00	1.026	-0.02	0.536	0.550	-
	Right-Tilt	20050	1720.0	21.33	22.00	1.167	-	-	-	-
		20175	1732.5	21.85	22.00	1.035	-	-	-	-
		20300	1745.0	21.89	22.00	1.026	-0.03	0.438	0.449	-

LTE Band 5										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Left-Cheek	20450	829.0	24.14	24.50	1.086	-	-	-	-
		20525	836.5	24.44	24.50	1.014	0.02	0.411	0.417	8
		20600	844.0	23.96	24.50	1.132	-	-	-	-
	Left-Tilt	20450	829.0	24.14	24.50	1.086	-	-	-	-
		20525	836.5	24.44	24.50	1.014	0.01	0.344	0.349	-
		20600	844.0	23.96	24.50	1.132	-	-	-	-
	Right-Cheek	20450	829.0	24.14	24.50	1.086	-	-	-	-
		20525	836.5	24.44	24.50	1.014	-0.01	0.397	0.403	-
		20600	844.0	23.96	24.50	1.132	-	-	-	-
	Right-Tilt	20450	829.0	24.14	24.50	1.086	-	-	-	-
		20525	836.5	24.44	24.50	1.014	0.01	0.315	0.319	-
		20600	844.0	23.96	24.50	1.132	-	-	-	-
10M QPSK 25RB	Left-Cheek	20450	829.0	23.19	23.50	1.074	-	-	-	-
		20525	836.5	23.42	23.50	1.019	-0.08	0.356	0.363	-
		20600	844.0	23.01	23.50	1.119	-	-	-	-
	Left-Tilt	20450	829.0	23.19	23.50	1.074	-	-	-	-
		20525	836.5	23.42	23.50	1.019	0.05	0.276	0.281	-
		20600	844.0	23.01	23.50	1.119	-	-	-	-
	Right-Cheek	20450	829.0	23.19	23.50	1.074	-	-	-	-
		20525	836.5	23.42	23.50	1.019	-0.04	0.354	0.361	-
		20600	844.0	23.01	23.50	1.119	-	-	-	-
	Right-Tilt	20450	829.0	23.19	23.50	1.074	-	-	-	-
		20525	836.5	23.42	23.50	1.019	-0.05	0.289	0.295	-
		20600	844.0	23.01	23.50	1.119	-	-	-	-

LTE Band 7										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Left-Cheek	20850	2510.0	22.53	23.00	1.114	-	-	-	-
		21100	2535.0	22.62	23.00	1.091	-	-	-	-
		21350	2560.0	22.81	23.00	1.045	0.11	0.724	0.756	9
	Left-Tilt	20850	2510.0	22.53	23.00	1.114	-	-	-	-
		21100	2535.0	22.62	23.00	1.091	-	-	-	-
		21350	2560.0	22.81	23.00	1.045	0.06	0.606	0.634	-
	Right-Cheek	20850	2510.0	22.53	23.00	1.114	-	-	-	-
		21100	2535.0	22.62	23.00	1.091	-	-	-	-
		21350	2560.0	22.81	23.00	1.045	-0.08	0.700	0.731	-
	Right-Tilt	20850	2510.0	22.53	23.00	1.114	-	-	-	-
		21100	2535.0	22.62	23.00	1.091	-	-	-	-
		21350	2560.0	22.81	23.00	1.045	0.04	0.555	0.579	-
20M QPSK 50RB	Left-Cheek	20850	2510.0	21.17	22.00	1.211	-	-	-	-
		21100	2535.0	21.51	22.00	1.119	-	-	-	-
		21350	2560.0	21.64	22.00	1.086	-0.02	0.633	0.688	-
	Left-Tilt	20850	2510.0	21.17	22.00	1.211	-	-	-	-
		21100	2535.0	21.51	22.00	1.119	-	-	-	-
		21350	2560.0	21.64	22.00	1.086	0.01	0.491	0.533	-
	Right-Cheek	20850	2510.0	21.17	22.00	1.211	-	-	-	-
		21100	2535.0	21.51	22.00	1.119	-	-	-	-
		21350	2560.0	21.64	22.00	1.086	-0.01	0.630	0.684	-
	Right-Tilt	20850	2510.0	21.17	22.00	1.211	-	-	-	-
		21100	2535.0	21.51	22.00	1.119	-	-	-	-
		21350	2560.0	21.64	22.00	1.086	-0.01	0.514	0.559	-

LTE Band 12										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Left-Cheek	23060	704.0	23.68	24.00	1.076	-	-	-	-
		23095	707.5	23.61	24.00	1.094	-	-	-	-
		23130	711.0	23.68	24.00	1.076	-0.01	0.328	0.353	10
	Left-Tilt	23060	704.0	23.68	24.00	1.076	-	-	-	-
		23095	707.5	23.61	24.00	1.094	-	-	-	-
		23130	711.0	23.68	24.00	1.076	-0.01	0.275	0.296	-
	Right-Cheek	23060	704.0	23.68	24.00	1.076	-	-	-	-
		23095	707.5	23.61	24.00	1.094	-	-	-	-
		23130	711.0	23.68	24.00	1.076	0.01	0.317	0.341	-
	Right-Tilt	23060	704.0	23.68	24.00	1.076	-	-	-	-
		23095	707.5	23.61	24.00	1.094	-	-	-	-
		23130	711.0	23.68	24.00	1.076	0.00	0.251	0.270	-
10M QPSK 25RB	Left-Cheek	23060	704.0	22.52	23.00	1.117	-	-	-	-
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.71	23.00	1.069	-0.06	0.287	0.307	-
	Left-Tilt	23060	704.0	22.52	23.00	1.117	-	-	-	-
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.71	23.00	1.069	0.04	0.223	0.238	-
	Right-Cheek	23060	704.0	22.52	23.00	1.117	-	-	-	-
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.71	23.00	1.069	-0.03	0.286	0.305	-
	Right-Tilt	23060	704.0	22.52	23.00	1.117	-	-	-	-
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.71	23.00	1.069	-0.03	0.233	0.249	-

LTE Band 17										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Left-Cheek	23780	709.0	24.73	25.00	1.064	-0.02	0.449	0.478	11
		23790	710.0	24.59	25.00	1.099	-	-	-	-
		23800	711.0	24.59	25.00	1.099	-	-	-	-
	Left-Tilt	23780	709.0	24.73	25.00	1.064	-0.01	0.376	0.400	-
		23790	710.0	24.59	25.00	1.099	-	-	-	-
		23800	711.0	24.59	25.00	1.099	-	-	-	-
	Right-Cheek	23780	709.0	24.73	25.00	1.064	0.01	0.434	0.462	-
		23790	710.0	24.59	25.00	1.099	-	-	-	-
		23800	711.0	24.59	25.00	1.099	-	-	-	-
	Right-Tilt	23780	709.0	24.73	25.00	1.064	-0.01	0.344	0.366	-
		23790	710.0	24.59	25.00	1.099	-	-	-	-
		23800	711.0	24.59	25.00	1.099	-	-	-	-
10M QPSK 25RB	Left-Cheek	23780	709.0	23.69	24.00	1.074	-0.09	0.412	0.442	-
		23790	710.0	23.71	24.00	1.069	-	-	-	-
		23800	711.0	23.76	24.00	1.057	-	-	-	-
	Left-Tilt	23780	709.0	23.69	24.00	1.074	-0.04	0.410	0.440	-
		23790	710.0	23.71	24.00	1.069	-	-	-	-
		23800	711.0	23.76	24.00	1.057	-	-	-	-
	Right-Cheek	23780	709.0	23.69	24.00	1.074	-0.04	0.410	0.440	-
		23790	710.0	23.71	24.00	1.069	-	-	-	-
		23800	711.0	23.76	24.00	1.057	-	-	-	-
	Right-Tilt	23780	709.0	23.69	24.00	1.074	-0.05	0.335	0.360	-
		23790	710.0	23.71	24.00	1.069	-	-	-	-
		23800	711.0	23.76	24.00	1.057	-	-	-	-

WIFI 2.4G												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11b	Left-Cheek	1	2412	11.04	11.50	1.112	99.50%	1.005	-	-	-	-
		6	2437	11.63	12.00	1.089	99.50%	1.005	-0.09	0.181	0.198	12
		11	2462	11.15	11.50	1.084	99.50%	1.005	-	-	-	-
	Left-Tilt	1	2412	11.04	11.50	1.112	99.50%	1.005	-	-	-	-
		6	2437	11.63	12.00	1.089	99.50%	1.005	0.12	0.153	0.168	-
		11	2462	11.15	11.50	1.084	99.50%	1.005	-	-	-	-
	Right-Cheek	1	2412	11.04	11.50	1.112	99.50%	1.005	-	-	-	-
		6	2437	11.63	12.00	1.089	99.50%	1.005	0.05	0.174	0.190	-
		11	2462	11.15	11.50	1.084	99.50%	1.005	-	-	-	-
	Right-Tilt	1	2412	11.04	11.50	1.112	99.50%	1.005	-	-	-	-
		6	2437	11.63	12.00	1.089	99.50%	1.005	-0.06	0.146	0.160	-
		11	2462	11.15	11.50	1.084	99.50%	1.005	-	-	-	-

WIFI 5G U-NII-1												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11a	Left-Cheek	36	5180	14.02	14.50	1.117	96.76%	1.033	-	-	-	-
		44	5220	14.26	14.50	1.057	96.76%	1.033	-	-	-	-
		48	5240	14.34	14.50	1.038	96.76%	1.033	-0.06	0.174	0.187	13
	Left-Tilt	36	5180	14.02	14.50	1.117	96.76%	1.033	-	-	-	-
		44	5220	14.26	14.50	1.057	96.76%	1.033	-	-	-	-
		48	5240	14.34	14.50	1.038	96.76%	1.033	0.08	0.147	0.158	-
	Right-Cheek	36	5180	14.02	14.50	1.117	96.76%	1.033	-	-	-	-
		44	5220	14.26	14.50	1.057	96.76%	1.033	-	-	-	-
		48	5240	14.34	14.50	1.038	96.76%	1.033	0.03	0.167	0.179	-
	Right-Tilt	36	5180	14.02	14.50	1.117	96.76%	1.033	-	-	-	-
		44	5220	14.26	14.50	1.057	96.76%	1.033	-	-	-	-
		48	5240	14.34	14.50	1.038	96.76%	1.033	-0.04	0.140	0.151	-

WIFI 5G U-NII-2A												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11a	Left-Cheek	52	5260	13.80	14.00	1.047	96.76%	1	-0.06	0.186	0.201	14
		56	5280	13.71	14.00	1.069	96.76%	1	-	-	-	-
		64	5320	13.78	14.00	1.052	96.76%	1	-	-	-	-
	Left-Tilt	52	5260	13.80	14.00	1.047	96.76%	1	0.08	0.158	0.171	-
		56	5280	13.71	14.00	1.069	96.76%	1	-	-	-	-
		64	5320	13.78	14.00	1.052	96.76%	1	-	-	-	-
	Right-Cheek	52	5260	13.80	14.00	1.047	96.76%	1	0.03	0.179	0.193	-
		56	5280	13.71	14.00	1.069	96.76%	1	-	-	-	-
		64	5320	13.78	14.00	1.052	96.76%	1	-	-	-	-
	Right-Tilt	52	5260	13.80	14.00	1.047	96.76%	1	-0.04	0.150	0.162	-
		56	5280	13.71	14.00	1.069	96.76%	1	-	-	-	-
		64	5320	13.78	14.00	1.052	96.76%	1	-	-	-	-

Bluetooth												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
EDR 8DPSK	Left-Cheek	0	2402	7.24	7.50	1.062	76.88%	1.301	-0.09	0.109	0.151	15
		39	2441	6.60	7.00	1.096	76.88%	1.301	-	-	-	-
		78	2480	6.53	7.00	1.114	76.88%	1.301	-	-	-	-
	Left-Tilt	0	2402	7.24	7.50	1.062	76.88%	1.301	0.12	0.092	0.128	-
		39	2441	6.60	7.00	1.096	76.88%	1.301	-	-	-	-
		78	2480	6.53	7.00	1.114	76.88%	1.301	-	-	-	-
	Right-Cheek	0	2402	7.24	7.50	1.062	76.88%	1.301	-0.16	0.078	0.108	-
		39	2441	6.60	7.00	1.096	76.88%	1.301	-	-	-	-
		78	2480	6.53	7.00	1.114	76.88%	1.301	-	-	-	-
	Right-Tilt	0	2402	7.24	7.50	1.062	76.88%	1.301	-0.06	0.066	0.091	-
		39	2441	6.60	7.00	1.096	76.88%	1.301	-	-	-	-
		78	2480	6.53	7.00	1.114	76.88%	1.301	-	-	-	-

Appendix B:SAR Measurement Results-Body

GSM850										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 4Tx slots	Front	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	0.05	0.149	0.155	-
		251	848.8	28.61	29.00	1.094	-	-	-	-
	Rear	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	-0.10	0.226	0.235	16
		251	848.8	28.61	29.00	1.094	-	-	-	-

GSM1900										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 3Tx slots	Front	512	1850.2	26.75	27.00	1.059	0.04	0.357	0.378	-
		661	1880.0	26.61	27.00	1.094	-	-	-	-
		810	1909.8	26.42	27.00	1.143	-	-	-	-
	Rear	512	1850.2	26.75	27.00	1.059	-0.05	0.564	0.597	17
		661	1880.0	26.61	27.00	1.094	-	-	-	-
		810	1909.8	26.42	27.00	1.143	-	-	-	-

WCDMA Band II										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	9262	1852.4	23.01	23.50	1.119	-	-	-	-
		9400	1880.0	23.09	23.50	1.099	0.04	0.421	0.463	-
		9538	1907.6	23.02	23.50	1.117	-	-	-	-
	Rear	9262	1852.4	23.01	23.50	1.119	-	-	-	-
		9400	1880.0	23.09	23.50	1.099	-0.10	0.591	0.650	18
		9538	1907.6	23.02	23.50	1.117	-	-	-	-

WCDMA Band IV										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	1312	1712.4	22.82	23.00	1.042	-	-	-	-
		1413	1732.6	22.84	23.00	1.038	-	-	-	-
		1513	1752.6	22.88	23.00	1.028	0.00	0.438	0.450	-
	Rear	1312	1712.4	22.82	23.00	1.042	-	-	-	-
		1413	1732.6	22.84	23.00	1.038	-	-	-	-
		1513	1752.6	22.88	23.00	1.028	-0.01	0.616	0.633	19

WCDMA Band V										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	4132	826.4	23.41	23.50	1.021	-	-	-	-
		4183	836.6	23.48	23.50	1.005	0.04	0.156	0.157	-
		4233	846.6	23.25	23.50	1.059	-	-	-	-
	Rear	4132	826.4	23.41	23.50	1.021	-	-	-	-
		4183	836.6	23.48	23.50	1.005	-0.08	0.236	0.237	20
		4233	846.6	23.25	23.50	1.059	-	-	-	-

LTE Band 2										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Front	18700	1860.0	23.03	23.50	1.114	-	-	-	-
		18900	1880.0	22.93	23.50	1.140	-	-	-	-
		19100	1900.0	23.07	23.50	1.104	0.02	0.425	0.469	-
	Rear	18700	1860.0	23.03	23.50	1.114	-	-	-	-
		18900	1880.0	22.93	23.50	1.140	-	-	-	-
		19100	1900.0	23.07	23.50	1.104	-0.05	0.597	0.659	21
20M QPSK 50RB	Front	18700	1860.0	21.88	22.50	1.153	-	-	-	-
		18900	1880.0	21.88	22.50	1.153	-	-	-	-
		19100	1900.0	22.02	22.50	1.117	0.04	0.367	0.410	-
	Rear	18700	1860.0	21.88	22.50	1.153	-	-	-	-
		18900	1880.0	21.88	22.50	1.153	-	-	-	-
		19100	1900.0	22.02	22.50	1.117	-0.10	0.515	0.575	-
20M QPSK 100RB	Front	18700	1860.0	21.93	22.00	1.016	-	-	-	-
		18900	1880.0	21.89	22.00	1.026	-	-	-	-
		19100	1900.0	21.90	22.00	1.023	0.03	0.313	0.320	-
	Rear	18700	1860.0	21.93	22.00	1.016	-	-	-	-
		18900	1880.0	21.89	22.00	1.026	-	-	-	-
		19100	1900.0	21.90	22.00	1.023	-0.02	0.485	0.496	-

LTE Band 4										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Front	20050	1720.0	22.57	23.50	1.239	-	-	-	-
		20175	1732.5	22.72	23.50	1.197	-	-	-	-
		20300	1745.0	23.06	23.50	1.107	0.02	0.400	0.443	-
	Rear	20050	1720.0	22.57	23.50	1.239	-	-	-	-
		20175	1732.5	22.72	23.50	1.197	-	-	-	-
		20300	1745.0	23.06	23.50	1.107	-0.05	0.562	0.622	22
20M QPSK 50RB	Front	20050	1720.0	21.33	22.00	1.167	-	-	-	-
		20175	1732.5	21.85	22.00	1.035	-	-	-	-
		20300	1745.0	21.89	22.00	1.026	0.03	0.318	0.326	-
	Rear	20050	1720.0	21.33	22.00	1.167	-	-	-	-
		20175	1732.5	21.85	22.00	1.035	-	-	-	-
		20300	1745.0	21.89	22.00	1.026	-0.08	0.447	0.458	-

LTE Band 5										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Front	20450	829.0	24.14	24.50	1.086	-	-	-	-
		20525	836.5	24.44	24.50	1.014	0.02	0.148	0.150	-
		20600	844.0	23.96	24.50	1.132	-	-	-	-
	Rear	20450	829.0	24.14	24.50	1.086	-	-	-	-
		20525	836.5	24.44	24.50	1.014	-0.04	0.208	0.211	23
		20600	844.0	23.96	24.50	1.132	-	-	-	-
10M QPSK 25RB	Front	20450	829.0	23.19	23.50	1.074	-	-	-	-
		20525	836.5	23.42	23.50	1.019	0.03	0.134	0.136	-
		20600	844.0	23.01	23.50	1.119	-	-	-	-
	Rear	20450	829.0	23.19	23.50	1.074	-	-	-	-
		20525	836.5	23.42	23.50	1.019	-0.08	0.188	0.191	-
		20600	844.0	23.01	23.50	1.119	-	-	-	-

LTE Band 7										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Front	20850	2510.0	22.53	23.00	1.114	-	-	-	-
		21100	2535.0	22.62	23.00	1.091	-	-	-	-
		21350	2560.0	22.81	23.00	1.045	0.06	0.294	0.307	-
	Rear	20850	2510.0	22.53	23.00	1.114	-	-	-	-
		21100	2535.0	22.62	23.00	1.091	-	-	-	-
		21350	2560.0	22.81	23.00	1.045	-0.15	0.413	0.431	24
20M QPSK 50RB	Front	20850	2510.0	21.17	22.00	1.211	-	-	-	-
		21100	2535.0	21.51	22.00	1.119	-	-	-	-
		21350	2560.0	21.64	22.00	1.086	0.01	0.260	0.282	-
	Rear	20850	2510.0	21.17	22.00	1.211	-	-	-	-
		21100	2535.0	21.51	22.00	1.119	-	-	-	-
		21350	2560.0	21.64	22.00	1.086	-0.03	0.366	0.398	-

LTE Band 12										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23060	704.0	23.68	24.00	1.076	-	-	-	-
		23095	707.5	23.61	24.00	1.094	-	-	-	-
		23130	711.0	23.68	24.00	1.076	0.03	0.170	0.183	-
	Rear	23060	704.0	23.68	24.00	1.076	-	-	-	-
		23095	707.5	23.61	24.00	1.094	-	-	-	-
		23130	711.0	23.68	24.00	1.076	-0.07	0.239	0.257	25
10M QPSK 25RB	Front	23060	704.0	22.52	23.00	1.117	-	-	-	-
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.71	23.00	1.069	0.01	0.144	0.154	-
	Rear	23060	704.0	22.52	23.00	1.117	-	-	-	-
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.71	23.00	1.069	-0.02	0.202	0.216	-

LTE Band 17										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23780	709.0	24.73	25.00	1.064	0.02	0.187	0.199	-
		23790	710.0	24.59	25.00	1.099	-	-	-	-
		23800	711.0	24.59	25.00	1.099	-	-	-	-
	Rear	23780	709.0	24.73	25.00	1.064	-0.06	0.263	0.280	26
		23790	710.0	24.59	25.00	1.099	-	-	-	-
		23800	711.0	24.59	25.00	1.099	-	-	-	-
10M QPSK 25RB	Front	23780	709.0	23.69	24.00	1.074	0.04	0.160	0.172	-
		23790	710.0	23.71	24.00	1.069	-	-	-	-
		23800	711.0	23.76	24.00	1.057	-	-	-	-
	Rear	23780	709.0	23.69	24.00	1.074	-0.10	0.225	0.242	-
		23790	710.0	23.71	24.00	1.069	-	-	-	-
		23800	711.0	23.76	24.00	1.057	-	-	-	-

WIFI 2.4G												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11b	Front	1	2412	11.04	11.50	1.112	0.995	1.005	-	-	-	-
		6	2437	11.63	12.00	1.089	0.995	1.005	-0.02	0.102	0.112	-
		11	2462	11.15	11.50	1.084	0.995	1.005	-	-	-	-
	Rear	1	2412	11.04	11.50	1.112	0.995	1.005	-	-	-	-
		6	2437	11.63	12.00	1.089	0.995	1.005	-0.06	0.127	0.139	27
		11	2462	11.15	11.50	1.084	0.995	1.005	-	-	-	-

WIFI 5G U-NII-1												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11a	Front	36	5180	14.02	14.50	1.117	0.968	1.033	-	-	-	-
		44	5220	14.26	14.50	1.057	0.968	1.033	-	-	-	-
		48	5240	14.34	14.50	1.038	0.968	1.033	-0.08	0.155	0.166	-
	Rear	36	5180	14.02	14.50	1.117	0.968	1.033	-	-	-	-
		44	5220	14.26	14.50	1.057	0.968	1.033	-	-	-	-
		48	5240	14.34	14.50	1.038	0.968	1.033	-0.05	0.193	0.207	28

WIFI 5G U-NII-2A												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11a	Front	52	5260	13.80	14.00	1.047	0.968	1.033	-0.02	0.211	0.228	-
		56	5280	13.71	14.00	1.069	0.968	1.033	-	-	-	-
		64	5320	13.78	14.00	1.052	0.968	1.033	-	-	-	-
	Rear	52	5260	13.80	14.00	1.047	0.968	1.033	-0.08	0.247	0.267	29
		56	5280	13.71	14.00	1.069	0.968	1.033	-	-	-	-
		64	5320	13.78	14.00	1.052	0.968	1.033	-	-	-	-

Bluetooth												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
EDR 8DPSK	Front	0	2402	7.24	7.50	1.062	0.769	1.301	-0.10	0.072	0.099	-
		39	2441	6.60	7.00	1.096	0.769	1.301	-	-	-	-
		78	2480	6.53	7.00	1.114	0.769	1.301	-	-	-	-
	Rear	0	2402	7.24	7.50	1.062	0.769	1.301	-0.16	0.086	0.119	30
		39	2441	6.60	7.00	1.096	0.769	1.301	-	-	-	-
		78	2480	6.53	7.00	1.114	0.769	1.301	-	-	-	-

Appendix B:SAR Measurement Results-Hotspot

GSM850										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 4Tx slots	Front	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	0.05	0.149	0.155	-
		251	848.8	28.61	29.00	1.094	-	-	-	-
	Rear	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	-0.10	0.226	0.235	16
		251	848.8	28.61	29.00	1.094	-	-	-	-
	Left	190	836.6	28.83	29.00	1.040	-	-	-	-
	Right	190	836.6	28.83	29.00	1.040	-0.04	0.133	0.138	-
	Top	190	836.6	28.83	29.00	1.040	0.15	0.092	0.096	-
	Bottom	190	836.6	28.83	29.00	1.040	-	-	-	-

GSM1900										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 3Tx slots	Front	512	1850.2	26.75	27.00	1.059	0.04	0.357	0.378	-
		661	1880.0	26.61	27.00	1.094	-	-	-	-
		810	1909.8	26.42	27.00	1.143	-	-	-	-
	Rear	512	1850.2	26.75	27.00	1.059	-0.05	0.564	0.597	17
		661	1880.0	26.61	27.00	1.094	-	-	-	-
		810	1909.8	26.42	27.00	1.143	-	-	-	-
	Left	512	1850.2	26.75	27.00	1.059	-	-	-	-
	Right	512	1850.2	26.75	27.00	1.059	-0.02	0.332	0.352	-
	Top	512	1850.2	26.75	27.00	1.059	0.09	0.341	0.361	-
	Bottom	512	1850.2	26.75	27.00	1.059	-	-	-	-

WCDMA Band II										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	0.05	0.149	0.155	-
		251	848.8	28.61	29.00	1.094	-	-	-	-
	Rear	128	824.2	28.69	29.00	1.074	-	-	-	-
		190	836.6	28.83	29.00	1.040	-0.10	0.226	0.235	16
		251	848.8	28.61	29.00	1.094	-	-	-	-
	Left	190	836.6	28.83	29.00	1.040	-	-	-	-
	Right	190	836.6	28.83	29.00	1.040	-0.04	0.133	0.138	-
	Top	190	836.6	28.83	29.00	1.040	0.15	0.092	0.096	-
	Bottom	190	836.6	28.83	29.00	1.040	-	-	-	-

WCDMA Band IV										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	1312	1712.4	22.82	23.00	1.042	-	-	-	-
		1413	1732.6	22.84	23.00	1.038	-	-	-	-
		1513	1752.6	22.88	23.00	1.028	0.00	0.438	0.450	-
	Rear	1312	1712.4	22.82	23.00	1.042	-	-	-	-
		1413	1732.6	22.84	23.00	1.038	-	-	-	-
		1513	1752.6	22.88	23.00	1.028	-0.01	0.616	0.633	19
	Left	1513	1752.6	22.88	23.00	1.028	-	-	-	-
	Right	1513	1752.6	22.88	23.00	1.028	0.00	0.362	0.372	-
	Top	1513	1752.6	22.88	23.00	1.028	-0.14	0.405	0.416	-
	Bottom	1513	1752.6	22.88	23.00	1.028	-	-	-	-

WCDMA Band V										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Front	4132	826.4	23.41	23.50	1.021	-	-	-	-
		4183	836.6	23.48	23.50	1.005	0.04	0.156	0.157	-
		4233	846.6	23.25	23.50	1.059	-	-	-	-
	Rear	4132	826.4	23.41	23.50	1.021	-	-	-	-
		4183	836.6	23.48	23.50	1.005	-0.08	0.236	0.237	20
		4233	846.6	23.25	23.50	1.059	-	-	-	-
	Left	4183	836.6	23.48	23.50	1.005	-	-	-	-
	Right	4183	836.6	23.48	23.50	1.005	-0.03	0.139	0.140	-
	Top	4183	836.6	23.48	23.50	1.005	-0.16	0.096	0.096	-
	Bottom	4183	836.6	23.48	23.50	1.005	-	-	-	-

LTE Band 2										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Front	18700	1860.0	23.03	23.50	1.114	-	-	-	-
		18900	1880.0	22.93	23.50	1.140	-	-	-	-
		19100	1900.0	23.07	23.50	1.104	0.02	0.425	0.469	-
	Rear	18700	1860.0	23.03	23.50	1.114	-	-	-	-
		18900	1880.0	22.93	23.50	1.140	-	-	-	-
		19100	1900.0	23.07	23.50	1.104	-0.05	0.597	0.659	21
	Left	19100	1900.0	23.07	23.50	1.104	-	-	-	-
	Right	19100	1900.0	23.07	23.50	1.104	-0.02	0.351	0.388	-
	Top	19100	1900.0	23.07	23.50	1.104	-0.11	0.411	0.454	-
	Bottom	19100	1900.0	23.07	23.50	1.104	-	-	-	-
20M QPSK 50RB	Front	18700	1860.0	21.88	22.50	1.153	-	-	-	-
		18900	1880.0	21.88	22.50	1.153	-	-	-	-
		19100	1900.0	22.02	22.50	1.117	0.04	0.367	0.410	-
	Rear	18700	1860.0	21.88	22.50	1.153	-	-	-	-
		18900	1880.0	21.88	22.50	1.153	-	-	-	-
		19100	1900.0	22.02	22.50	1.117	-0.10	0.515	0.575	-
	Left	19100	1900.0	22.02	22.50	1.117	-	-	-	-
	Right	19100	1900.0	22.02	22.50	1.117	-0.04	0.303	0.338	-
	Top	19100	1900.0	22.02	22.50	1.117	0.07	0.325	0.363	-
	Bottom	19100	1900.0	22.02	22.50	1.117	-	-	-	-
20M QPSK 50RB	Front	18700	1860.0	21.93	22.00	1.016	-	-	-	-
		18900	1880.0	21.89	22.00	1.026	-	-	-	-
		19100	1900.0	21.90	22.00	1.023	0.03	0.313	0.320	-
	Rear	18700	1860.0	21.93	22.00	1.016	-	-	-	-
		18900	1880.0	21.89	22.00	1.026	-	-	-	-
		19100	1900.0	21.90	22.00	1.023	-0.02	0.485	0.496	-
	Left	19100	1900.0	21.90	22.00	1.023	-	-	-	-
	Right	19100	1900.0	21.90	22.00	1.023	-0.05	0.262	0.268	-
	Top	19100	1900.0	21.90	22.00	1.023	0.11	0.283	0.290	-
	Bottom	19100	1900.0	21.90	22.00	1.023	-	-	-	-

LTE Band 4										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Front	20050	1720.0	22.57	23.50	1.239	-	-	-	-
		20175	1732.5	22.72	23.50	1.197	-	-	-	-
		20300	1745.0	23.06	23.50	1.107	0.02	0.400	0.443	-
	Rear	20050	1720.0	22.57	23.50	1.239	-	-	-	-
		20175	1732.5	22.72	23.50	1.197	-	-	-	-
		20300	1745.0	23.06	23.50	1.107	-0.05	0.562	0.622	22
	Left	20300	1745.0	23.06	23.50	1.107	-	-	-	-
	Right	20300	1745.0	23.06	23.50	1.107	-0.02	0.330	0.365	-
	Top	20300	1745.0	23.06	23.50	1.107	0.08	0.351	0.388	-
	Bottom	20300	1745.0	23.06	23.50	1.107	-	-	-	-
20M QPSK 50RB	Front	20050	1720.0	21.33	22.00	1.167	-	-	-	-
		20175	1732.5	21.85	22.00	1.035	-	-	-	-
		20300	1745.0	21.89	22.00	1.026	0.03	0.318	0.326	-
	Rear	20050	1720.0	21.33	22.00	1.167	-	-	-	-
		20175	1732.5	21.85	22.00	1.035	-	-	-	-
		20300	1745.0	21.89	22.00	1.026	-0.08	0.447	0.458	-
	Left	20300	1745.0	21.89	22.00	1.026	-	-	-	-
	Right	20300	1745.0	21.89	22.00	1.026	-0.03	0.263	0.270	-
	Top	20300	1745.0	21.89	22.00	1.026	-0.15	0.271	0.278	-
	Bottom	20300	1745.0	21.89	22.00	1.026	-	-	-	-

LTE Band 5										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Front	20450	829.0	24.14	24.50	1.086	-	-	-	-
		20525	836.5	24.44	24.50	1.014	0.02	0.148	0.150	-
		20600	844.0	23.96	24.50	1.132	-	-	-	-
	Rear	20450	829.0	24.14	24.50	1.086	-	-	-	-
		20525	836.5	24.44	24.50	1.014	-0.04	0.208	0.211	23
		20600	844.0	23.96	24.50	1.132	-	-	-	-
	Left	20525	836.5	24.44	24.50	1.014	-	-	-	-
	Right	20525	836.5	24.44	24.50	1.014	-0.01	0.122	0.124	-
	Top	20525	836.5	24.44	24.50	1.014	0.06	0.131	0.133	-
	Bottom	20525	836.5	24.44	24.50	1.014	-	-	-	-
10M QPSK 25RB	Front	20450	829.0	23.19	23.50	1.074	-	-	-	-
		20525	836.5	23.42	23.50	1.019	0.03	0.134	0.136	-
		20600	844.0	23.01	23.50	1.119	-	-	-	-
	Rear	20450	829.0	23.19	23.50	1.074	-	-	-	-
		20525	836.5	23.42	23.50	1.019	-0.08	0.188	0.191	-
		20600	844.0	23.01	23.50	1.119	-	-	-	-
	Left	20525	836.5	23.42	23.50	1.019	-	-	-	-
	Right	20525	836.5	23.42	23.50	1.019	-0.03	0.111	0.113	-
	Top	20525	836.5	23.42	23.50	1.019	0.09	0.104	0.106	-
	Bottom	20525	836.5	23.42	23.50	1.019	-	-	-	-

LTE Band 7										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Front	20850	2510.0	22.53	23.00	1.114	-	-	-	-
		21100	2535.0	22.62	23.00	1.091	-	-	-	-
		21350	2560.0	22.81	23.00	1.045	0.06	0.294	0.307	-
	Rear	20850	2510.0	22.53	23.00	1.114	-	-	-	-
		21100	2535.0	22.62	23.00	1.091	-	-	-	-
		21350	2560.0	22.81	23.00	1.045	-0.15	0.413	0.431	24
	Left	21350	2560.0	22.81	23.00	1.045	-	-	-	-
	Right	21350	2560.0	22.81	23.00	1.045	-0.05	0.243	0.254	-
	Top	21350	2560.0	22.81	23.00	1.045	0.04	0.251	0.262	-
	Bottom	21350	2560.0	22.81	23.00	1.045	-	-	-	-
20M QPSK 50RB	Front	20850	2510.0	21.17	22.00	1.211	-	-	-	-
		21100	2535.0	21.51	22.00	1.119	-	-	-	-
		21350	2560.0	21.64	22.00	1.086	0.01	0.260	0.282	-
	Rear	20850	2510.0	21.17	22.00	1.211	-	-	-	-
		21100	2535.0	21.51	22.00	1.119	-	-	-	-
		21350	2560.0	21.64	22.00	1.086	-0.03	0.366	0.398	-
	Left	21350	2560.0	21.64	22.00	1.086	-	-	-	-
	Right	21350	2560.0	21.64	22.00	1.086	-0.01	0.215	0.234	-
	Top	21350	2560.0	21.64	22.00	1.086	0.06	0.223	0.242	-
	Bottom	21350	2560.0	21.64	22.00	1.086	-	-	-	-

LTE Band 12										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23060	704.0	23.68	24.00	1.076	-	-	-	-
		23095	707.5	23.61	24.00	1.094	-	-	-	-
		23130	711.0	23.68	24.00	1.076	0.03	0.170	0.183	-
	Rear	23060	704.0	23.68	24.00	1.076	-	-	-	-
		23095	707.5	23.61	24.00	1.094	-	-	-	-
		23130	711.0	23.68	24.00	1.076	-0.07	0.239	0.257	25
	Left	23060	704.0	23.68	24.00	1.076	-	-	-	-
	Right	23060	704.0	23.68	24.00	1.076	-0.03	0.141	0.152	-
	Top	23060	704.0	23.68	24.00	1.076	-0.14	0.137	0.147	-
	Bottom	23060	704.0	23.68	24.00	1.076	-	-	-	-
10M QPSK 25RB	Front	23060	704.0	22.52	23.00	1.117	-	-	-	-
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.71	23.00	1.069	0.01	0.144	0.154	-
	Rear	23060	704.0	22.52	23.00	1.117	-	-	-	-
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.71	23.00	1.069	-0.02	0.202	0.216	-
	Left	23060	704.0	22.52	23.00	1.117	-	-	-	-
	Right	23060	704.0	22.52	23.00	1.117	-0.01	0.119	0.133	-
	Top	23060	704.0	22.52	23.00	1.117	0.08	0.122	0.136	-
	Bottom	23060	704.0	22.52	23.00	1.117	-	-	-	-

LTE Band 17										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Front	23780	709.0	24.73	25.00	1.064	0.02	0.187	0.199	-
		23790	710.0	24.59	25.00	1.099	-	-	-	-
		23800	711.0	24.59	25.00	1.099	-	-	-	-
	Rear	23780	709.0	24.73	25.00	1.064	-0.06	0.263	0.280	26
		23790	710.0	24.59	25.00	1.099	-	-	-	-
		23800	711.0	24.59	25.00	1.099	-	-	-	-
	Left	23780	709.0	24.73	25.00	1.064	-	-	-	-
	Right	23780	709.0	24.73	25.00	1.064	-0.02	0.155	0.165	-
	Top	23780	709.0	24.73	25.00	1.064	0.12	0.147	0.156	-
	Bottom	23780	709.0	24.73	25.00	1.064	-	-	-	-
10M QPSK 25RB	Front	23780	709.0	23.69	24.00	1.074	0.04	0.160	0.172	-
		23790	710.0	23.71	24.00	1.069	-	-	-	-
		23800	711.0	23.76	24.00	1.057	-	-	-	-
	Rear	23780	709.0	23.69	24.00	1.074	-0.10	0.225	0.242	-
		23790	710.0	23.71	24.00	1.069	-	-	-	-
		23800	711.0	23.76	24.00	1.057	-	-	-	-
	Left	23780	709.0	23.69	24.00	1.074	-	-	-	-
	Right	23780	709.0	23.69	24.00	1.074	-0.04	0.132	0.142	-
	Top	23780	709.0	23.69	24.00	1.074	0.16	0.125	0.134	-
	Bottom	23780	709.0	23.69	24.00	1.074	-	-	-	-

WIFI 2.4G												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11b	Front	1	2412	11.04	11.50	1.112	0.995	1.005	-	-	-	-
		6	2437	11.63	12.00	1.089	0.995	1.005	-0.02	0.102	0.112	-
		11	2462	11.15	11.50	1.084	0.995	1.005	-	-	-	-
	Rear	1	2412	11.04	11.50	1.112	0.995	1.005	-	-	-	-
		6	2437	11.63	12.00	1.089	0.995	1.005	-0.06	0.127	0.139	27
		11	2462	11.15	11.50	1.084	0.995	1.005	-	-	-	-
	Left	6	2437	11.63	12.00	1.089	0.995	1.005	0.03	0.078	0.085	-
	Right	6	2437	11.63	12.00	1.089	0.995	1.005	-	-	-	-
	Top	6	2437	11.63	12.00	1.089	0.995	1.005	-0.05	0.104	0.114	-
	Bottom	6	2437	11.63	12.00	1.089	0.995	1.005	-	-	-	-

Appendix C: Simultaneous Transmission analysis-Head

WWAN + WLAN DTS					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN DTS	(W/kg)
GSM	GSM850	Left Cheek	0.610	0.198	0.808
		Left Tilted	0.467	0.168	0.635
		Right Cheek	0.566	0.190	0.756
		Right Tilted	0.428	0.160	0.588
	GSM1900	Left Cheek	0.790	0.198	0.988
		Left Tilted	0.636	0.168	0.804
		Right Cheek	0.759	0.190	0.949
		Right Tilted	0.597	0.160	0.757
WCDMA	Band II	Left Cheek	0.775	0.198	0.973
		Left Tilted	0.637	0.168	0.805
		Right Cheek	0.740	0.190	0.930
		Right Tilted	0.592	0.160	0.752
	Band IV	Left Cheek	0.730	0.198	0.928
		Left Tilted	0.600	0.168	0.768
		Right Cheek	0.697	0.190	0.887
		Right Tilted	0.592	0.160	0.752
	Band V	Left Cheek	0.258	0.198	0.456
		Left Tilted	0.198	0.168	0.366
		Right Cheek	0.239	0.190	0.429
		Right Tilted	0.181	0.160	0.341
	B2 1RB	Left Cheek	0.802	0.198	1.000
		Left Tilted	0.671	0.168	0.839
		Right Cheek	0.775	0.190	0.965
		Right Tilted	0.763	0.160	0.923
	B2 50RB	Left Cheek	0.730	0.198	0.928
		Left Tilted	0.566	0.168	0.734
		Right Cheek	0.727	0.190	0.917
		Right Tilted	0.594	0.160	0.754
	B2 100RB	Left Cheek	0.622	0.198	0.820
		Left Tilted	0.459	0.168	0.627
		Right Cheek	0.600	0.190	0.790
		Right Tilted	0.422	0.160	0.582
	B4 1RB	Left Cheek	0.790	0.198	0.988
		Left Tilted	0.662	0.168	0.830
		Right Cheek	0.763	0.190	0.953
		Right Tilted	0.605	0.160	0.765
	B4 50RB	Left Cheek	0.553	0.198	0.751
		Left Tilted	0.429	0.168	0.597
		Right Cheek	0.550	0.190	0.740
		Right Tilted	0.449	0.160	0.609
	B5 1RB	Left Cheek	0.417	0.198	0.615
		Left Tilted	0.349	0.168	0.517
		Right Cheek	0.403	0.190	0.593
		Right Tilted	0.319	0.160	0.479

LTE	B5 25RB	Left Cheek	0.363	0.198	0.561
		Left Tilted	0.281	0.168	0.449
		Right Cheek	0.361	0.190	0.551
		Right Tilted	0.295	0.160	0.455
	B7 1RB	Left Cheek	0.756	0.198	0.954
		Left Tilted	0.634	0.168	0.802
		Right Cheek	0.731	0.190	0.921
		Right Tilted	0.579	0.160	0.739
	B7 50RB	Left Cheek	0.688	0.198	0.886
		Left Tilted	0.533	0.168	0.701
		Right Cheek	0.684	0.190	0.874
		Right Tilted	0.559	0.160	0.719
	B12 1RB	Left Cheek	0.353	0.198	0.551
		Left Tilted	0.296	0.168	0.464
		Right Cheek	0.341	0.190	0.531
		Right Tilted	0.270	0.160	0.430
	B12 25RB	Left Cheek	0.307	0.198	0.505
		Left Tilted	0.238	0.168	0.406
		Right Cheek	0.305	0.190	0.495
		Right Tilted	0.249	0.160	0.409
	B17 1RB	Left Cheek	0.478	0.198	0.676
		Left Tilted	0.400	0.168	0.568
		Right Cheek	0.462	0.190	0.652
		Right Tilted	0.366	0.160	0.526
	B17 1RB	Left Cheek	0.442	0.198	0.640
		Left Tilted	0.440	0.168	0.608
		Right Cheek	0.440	0.190	0.630
		Right Tilted	0.360	0.160	0.520

WWAN + WLAN U-NII					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN U-NII	(W/kg)
GSM	GSM850	Left Cheek	0.610	0.201	0.811
		Left Tilted	0.467	0.171	0.638
		Right Cheek	0.566	0.193	0.759
		Right Tilted	0.428	0.162	0.590
	GSM1900	Left Cheek	0.790	0.201	0.991
		Left Tilted	0.636	0.171	0.807
		Right Cheek	0.759	0.193	0.952
		Right Tilted	0.597	0.162	0.759
WCDMA	Band II	Left Cheek	0.775	0.201	0.976
		Left Tilted	0.637	0.171	0.808
		Right Cheek	0.740	0.193	0.933
		Right Tilted	0.592	0.162	0.754
	Band IV	Left Cheek	0.730	0.201	0.931
		Left Tilted	0.600	0.171	0.771
		Right Cheek	0.697	0.193	0.890
		Right Tilted	0.592	0.162	0.754
	Band V	Left Cheek	0.258	0.201	0.459
		Left Tilted	0.198	0.171	0.369
		Right Cheek	0.239	0.193	0.432
		Right Tilted	0.181	0.162	0.343
LTE	B2 1RB	Left Cheek	0.802	0.201	1.003
		Left Tilted	0.671	0.171	0.842
		Right Cheek	0.775	0.193	0.968
		Right Tilted	0.763	0.162	0.925
	B2 50RB	Left Cheek	0.730	0.201	0.931
		Left Tilted	0.566	0.171	0.737
		Right Cheek	0.727	0.193	0.920
		Right Tilted	0.594	0.162	0.756
	B2 100RB	Left Cheek	0.622	0.201	0.823
		Left Tilted	0.459	0.171	0.630
		Right Cheek	0.600	0.193	0.793
		Right Tilted	0.422	0.162	0.584
	B4 1RB	Left Cheek	0.790	0.201	0.991
		Left Tilted	0.662	0.171	0.833
		Right Cheek	0.763	0.193	0.956
		Right Tilted	0.605	0.162	0.767
	B4 50RB	Left Cheek	0.553	0.201	0.754
		Left Tilted	0.429	0.171	0.600
		Right Cheek	0.550	0.193	0.743
		Right Tilted	0.449	0.162	0.611
	B5 1RB	Left Cheek	0.417	0.201	0.618
		Left Tilted	0.349	0.171	0.520
		Right Cheek	0.403	0.193	0.596
		Right Tilted	0.319	0.162	0.481
	B5 25RB	Left Cheek	0.363	0.201	0.564
		Left Tilted	0.281	0.171	0.452
		Right Cheek	0.361	0.193	0.554
		Right Tilted	0.295	0.162	0.457
	B7 1RB	Left Cheek	0.756	0.201	0.957
		Left Tilted	0.634	0.171	0.805
		Right Cheek	0.731	0.193	0.924
		Right Tilted	0.579	0.162	0.741

	B7 50RB	Left Cheek	0.688	0.201	0.889
		Left Tilted	0.533	0.171	0.704
		Right Cheek	0.684	0.193	0.877
		Right Tilted	0.559	0.162	0.721
	B12 1RB	Left Cheek	0.353	0.201	0.554
		Left Tilted	0.296	0.171	0.467
		Right Cheek	0.341	0.193	0.534
		Right Tilted	0.270	0.162	0.432
	B12 25RB	Left Cheek	0.307	0.201	0.508
		Left Tilted	0.238	0.171	0.409
		Right Cheek	0.305	0.193	0.498
		Right Tilted	0.249	0.162	0.411
	B17 1RB	Left Cheek	0.478	0.201	0.679
		Left Tilted	0.400	0.171	0.571
		Right Cheek	0.462	0.193	0.655
		Right Tilted	0.366	0.162	0.528
	B17 25RB	Left Cheek	0.442	0.201	0.643
		Left Tilted	0.440	0.171	0.611
		Right Cheek	0.440	0.193	0.633
		Right Tilted	0.360	0.162	0.522

WWAN + BT					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	BT	(W/kg)
GSM	GSM850	Left Cheek	0.610	0.151	0.761
		Left Tilted	0.467	0.128	0.595
		Right Cheek	0.566	0.108	0.674
		Right Tilted	0.428	0.091	0.519
	GSM1900	Left Cheek	0.790	0.151	0.941
		Left Tilted	0.636	0.128	0.764
		Right Cheek	0.759	0.108	0.867
		Right Tilted	0.597	0.091	0.688
WCDMA	Band II	Left Cheek	0.775	0.151	0.926
		Left Tilted	0.637	0.128	0.765
		Right Cheek	0.740	0.108	0.848
		Right Tilted	0.592	0.091	0.683
	Band IV	Left Cheek	0.730	0.151	0.881
		Left Tilted	0.600	0.128	0.728
		Right Cheek	0.697	0.108	0.805
		Right Tilted	0.592	0.091	0.683
	Band V	Left Cheek	0.258	0.151	0.409
		Left Tilted	0.198	0.128	0.326
		Right Cheek	0.239	0.108	0.347
		Right Tilted	0.181	0.091	0.272
LTE	B2 1RB	Left Cheek	0.802	0.151	0.953
		Left Tilted	0.671	0.128	0.799
		Right Cheek	0.775	0.108	0.883
		Right Tilted	0.763	0.091	0.854
	B2 50RB	Left Cheek	0.730	0.151	0.881
		Left Tilted	0.566	0.128	0.694
		Right Cheek	0.727	0.108	0.835
		Right Tilted	0.594	0.091	0.685
	B2 100RB	Left Cheek	0.622	0.151	0.773
		Left Tilted	0.459	0.128	0.587
		Right Cheek	0.600	0.108	0.708
		Right Tilted	0.422	0.091	0.513
	B4 1RB	Left Cheek	0.790	0.151	0.941
		Left Tilted	0.662	0.128	0.790
		Right Cheek	0.763	0.108	0.871
		Right Tilted	0.605	0.091	0.696
	B4 50RB	Left Cheek	0.553	0.151	0.704
		Left Tilted	0.429	0.128	0.557
		Right Cheek	0.550	0.108	0.658
		Right Tilted	0.449	0.091	0.540
	B5 1RB	Left Cheek	0.417	0.151	0.568
		Left Tilted	0.349	0.128	0.477
		Right Cheek	0.403	0.108	0.511
		Right Tilted	0.319	0.091	0.410
	B5 25RB	Left Cheek	0.363	0.151	0.514
		Left Tilted	0.281	0.128	0.409
		Right Cheek	0.361	0.108	0.469
		Right Tilted	0.295	0.091	0.386
	B7 1RB	Left Cheek	0.756	0.151	0.907
		Left Tilted	0.634	0.128	0.762
		Right Cheek	0.731	0.108	0.839
		Right Tilted	0.579	0.091	0.670
		Left Cheek	0.688	0.151	0.839

	B7 50RB	Left Tilted	0.533	0.128	0.661
		Right Cheek	0.684	0.108	0.792
		Right Tilted	0.559	0.091	0.650
	B12 1RB	Left Cheek	0.353	0.151	0.504
		Left Tilted	0.296	0.128	0.424
		Right Cheek	0.341	0.108	0.449
		Right Tilted	0.270	0.091	0.361
	B12 25RB	Left Cheek	0.307	0.151	0.458
		Left Tilted	0.238	0.128	0.366
		Right Cheek	0.305	0.108	0.413
		Right Tilted	0.249	0.091	0.340
	B17 1RB	Left Cheek	0.478	0.151	0.629
		Left Tilted	0.400	0.128	0.528
		Right Cheek	0.462	0.108	0.570
		Right Tilted	0.366	0.091	0.457
	B17 25RB	Left Cheek	0.442	0.151	0.593
		Left Tilted	0.440	0.128	0.568
		Right Cheek	0.440	0.108	0.548
		Right Tilted	0.360	0.091	0.451

Appendix C: Simultaneous Transmission analysis-Body

WWAN + WLAN DTS					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN DTS	(W/kg)
GSM	GSM850	Front	0.155	0.112	0.267
		Rear	0.235	0.139	0.374
	GSM1900	Front	0.378	0.112	0.490
		Rear	0.597	0.139	0.736
WCDMA	Band II	Front	0.463	0.112	0.575
		Rear	0.650	0.139	0.789
	Band IV	Front	0.450	0.112	0.562
		Rear	0.633	0.139	0.772
	Band V	Front	0.157	0.112	0.269
		Rear	0.237	0.139	0.376
LTE	B2 1RB	Front	0.469	0.112	0.581
		Rear	0.659	0.139	0.798
	B2 50RB	Front	0.410	0.112	0.522
		Rear	0.575	0.139	0.714
	B2 100RB	Front	0.320	0.112	0.432
		Rear	0.496	0.139	0.635
	B4 1RB	Front	0.443	0.112	0.555
		Rear	0.622	0.139	0.761
	B4 50RB	Front	0.326	0.112	0.438
		Rear	0.458	0.139	0.597
	B5 1RB	Front	0.150	0.112	0.262
		Rear	0.211	0.139	0.350
	B5 25RB	Front	0.136	0.112	0.248
		Rear	0.191	0.139	0.330
	B7 1RB	Front	0.307	0.112	0.419
		Rear	0.431	0.139	0.570
	B7 50RB	Front	0.282	0.112	0.394
		Rear	0.398	0.139	0.537
	B12 1RB	Front	0.183	0.112	0.295
		Rear	0.257	0.139	0.396
	B12 25RB	Front	0.154	0.112	0.266
		Rear	0.216	0.139	0.355
	B17 1RB	Front	0.199	0.112	0.311
		Rear	0.280	0.139	0.419
	B17 25RB	Front	0.172	0.112	0.284
		Rear	0.242	0.139	0.381

WWAN + WLAN U-NII					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN U-NII	(W/kg)
GSM	GSM850	Front	0.155	0.228	0.383
		Rear	0.235	0.267	0.502
	GSM1900	Front	0.378	0.228	0.606
		Rear	0.597	0.267	0.864
WCDMA	Band II	Front	0.463	0.228	0.691
		Rear	0.650	0.267	0.917
	Band IV	Front	0.450	0.228	0.678
		Rear	0.633	0.267	0.900
	Band V	Front	0.157	0.228	0.385
		Rear	0.237	0.267	0.504
LTE	B2 1RB	Front	0.469	0.228	0.697
		Rear	0.659	0.267	0.926
	B2 50RB	Front	0.410	0.228	0.638
		Rear	0.575	0.267	0.842
	B2 100RB	Front	0.320	0.228	0.548
		Rear	0.496	0.267	0.763
	B4 1RB	Front	0.443	0.228	0.671
		Rear	0.622	0.267	0.889
	B4 50RB	Front	0.326	0.228	0.554
		Rear	0.458	0.267	0.725
	B5 1RB	Front	0.150	0.228	0.378
		Rear	0.211	0.267	0.478
	B5 25RB	Front	0.136	0.228	0.364
		Rear	0.191	0.267	0.458
	B7 1RB	Front	0.307	0.228	0.535
		Rear	0.431	0.267	0.698
	B7 50RB	Front	0.282	0.228	0.510
		Rear	0.398	0.267	0.665
	B12 1RB	Front	0.183	0.228	0.411
		Rear	0.257	0.267	0.524
	B12 25RB	Front	0.154	0.228	0.382
		Rear	0.216	0.267	0.483
	B17 1RB	Front	0.199	0.228	0.427
		Rear	0.280	0.267	0.547
	B17 25RB	Front	0.172	0.228	0.400
		Rear	0.242	0.267	0.509

WWAN + BT					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	BT	(W/kg)
GSM	GSM850	Front	0.155	0.099	0.254
		Rear	0.235	0.119	0.354
	GSM1900	Front	0.378	0.099	0.477
		Rear	0.597	0.119	0.716
WCDMA	Band II	Front	0.463	0.099	0.562
		Rear	0.650	0.119	0.769
	Band IV	Front	0.450	0.099	0.549
		Rear	0.633	0.119	0.752
	Band V	Front	0.157	0.099	0.256
		Rear	0.237	0.119	0.356
LTE	B2 1RB	Front	0.469	0.099	0.568
		Rear	0.659	0.119	0.778
	B2 50RB	Front	0.410	0.099	0.509
		Rear	0.575	0.119	0.694
	B2 100RB	Front	0.320	0.099	0.419
		Rear	0.496	0.119	0.615
	B4 1RB	Front	0.443	0.099	0.542
		Rear	0.622	0.119	0.741
	B4 50RB	Front	0.326	0.099	0.425
		Rear	0.458	0.119	0.577
	B5 1RB	Front	0.150	0.099	0.249
		Rear	0.211	0.119	0.330
	B5 25RB	Front	0.136	0.099	0.235
		Rear	0.191	0.119	0.310
	B7 1RB	Front	0.307	0.099	0.406
		Rear	0.431	0.119	0.550
	B7 50RB	Front	0.282	0.099	0.381
		Rear	0.398	0.119	0.517
	B12 1RB	Front	0.183	0.099	0.282
		Rear	0.257	0.119	0.376
	B12 25RB	Front	0.154	0.099	0.253
		Rear	0.216	0.119	0.335
	B17 1RB	Front	0.199	0.099	0.298
		Rear	0.280	0.119	0.399
	B17 25RB	Front	0.172	0.099	0.271
		Rear	0.242	0.119	0.361

Appendix C: Simultaneous Transmission analysis-Hotsopt

WWAN + WLAN DTS					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN DTS	(W/kg)
GSM	GSM850	Front	0.155	0.112	0.267
		Rear	0.235	0.139	0.374
		Left side	-	0.085	0.085
		Right side	0.138	-	0.138
		Top side	0.096	0.114	0.210
		Bottom side	-	-	-
	GSM1900	Front	0.378	0.112	0.490
		Rear	0.597	0.139	0.736
		Left side	-	0.085	0.085
		Right side	0.352	-	0.352
		Top side	0.361	0.114	0.475
		Bottom side	-	-	-
WCDMA	Band II	Front	0.463	0.112	0.575
		Rear	0.650	0.139	0.789
		Left side	-	0.085	0.085
		Right side	0.382	-	0.382
		Top side	0.409	0.114	0.523
		Bottom side	-	-	-
	Band IV	Front	0.450	0.112	0.562
		Rear	0.633	0.139	0.772
		Left side	-	0.085	0.085
		Right side	0.372	-	0.372
		Top side	0.416	0.114	0.530
		Bottom side	-	-	-
	Band V	Front	0.157	0.112	0.269
		Rear	0.237	0.139	0.376
		Left side	-	0.085	0.085
		Right side	0.140	-	0.140
		Top side	0.096	0.114	0.210
		Bottom side	-	-	-
	B2 1RB	Front	0.469	0.112	0.581
		Rear	0.659	0.139	0.798
		Left side	-	0.085	0.085
		Right side	0.388	-	0.388
		Top side	0.454	0.114	0.568
		Bottom side	-	-	-
	B2 50RB	Front	0.410	0.112	0.522
		Rear	0.575	0.139	0.714
		Left side	-	0.085	0.085
		Right side	0.338	-	0.338
		Top side	0.363	0.114	0.477
		Bottom side	-	-	-
	B2 100RB	Front	0.320	0.112	0.432
		Rear	0.496	0.139	0.635
		Left side	-	0.085	0.085
		Right side	0.268	-	0.268
		Top side	0.290	0.114	0.404
		Bottom side	-	-	-
	B4 1RB	Front	0.443	0.112	0.555
		Rear	0.622	0.139	0.761
		Left side	-	0.085	0.085
		Right side	0.365	-	0.365

LTE		Top side	0.388	0.114	0.502
		Bottom side	-	-	-
	B4 50RB	Front	0.326	0.112	0.438
		Rear	0.458	0.139	0.597
		Left side	-	0.085	0.085
		Right side	0.270	-	0.270
		Top side	0.278	0.114	0.392
		Bottom side	-	-	-
	B5 1RB	Front	0.150	0.112	0.262
		Rear	0.211	0.139	0.350
		Left side	-	0.085	0.085
		Right side	0.124	-	0.124
		Top side	0.133	0.114	0.247
		Bottom side	-	-	-
	B5 25RB	Front	0.136	0.112	0.248
		Rear	0.191	0.139	0.330
		Left side	-	0.085	0.085
		Right side	0.113	-	0.113
		Top side	0.106	0.114	0.220
		Bottom side	-	-	-
	B7 1RB	Front	0.307	0.112	0.419
		Rear	0.431	0.139	0.570
		Left side	-	0.085	0.085
		Right side	0.254	-	0.254
		Top side	0.262	0.114	0.376
		Bottom side	-	-	-
	B7 50RB	Front	0.282	0.112	0.394
		Rear	0.398	0.139	0.537
		Left side	-	0.085	0.085
		Right side	0.234	-	0.234
		Top side	0.242	0.114	0.356
		Bottom side	-	-	-
	B12 1RB	Front	0.183	0.112	0.295
		Rear	0.257	0.139	0.396
		Left side	-	0.085	0.085
		Right side	0.152	-	0.152
		Top side	0.147	0.114	0.261
		Bottom side	-	-	-
	B12 25RB	Front	0.154	0.112	0.266
		Rear	0.216	0.139	0.355
		Left side	-	0.085	0.085
		Right side	0.133	-	0.133
		Top side	0.136	0.114	0.250
		Bottom side	-	-	-
	B17 1RB	Front	0.199	0.112	0.311
		Rear	0.280	0.139	0.419
		Left side	-	0.085	0.085
		Right side	0.165	-	0.165
		Top side	0.156	0.114	0.270
		Bottom side	-	-	-
	B17 25RB	Front	0.172	0.112	0.284
		Rear	0.242	0.139	0.381
		Left side	-	0.085	0.085
		Right side	0.142	-	0.142
		Top side	0.134	0.114	0.248
		Bottom side	-	-	-