

Project No.	SHT2302015202EW		
Test sample No.	YPHT23020152002	Model No.	2032
Start test date	2023/2/16	Finish date	2023/2/22
Temperature	22.0°C	Humidity	49%
Test Engineer	Bo Wang	Auditor	<i>Xiaodong Zhu</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		30.44	30.75	30.99	31.00	-9.03	21.41	21.72	21.96	21.97
GPRS (GMSK)	1Tx slot	28.57	29.22	29.67	30.00	-9.03	19.54	20.19	20.64	20.97
	2Tx slots	27.42	27.93	28.37	28.50	-6.02	21.40	21.91	22.35	22.48
	3Tx slots	25.96	26.49	26.94	27.00	-4.26	21.70	22.23	22.68	22.74
	4Tx slots	23.84	24.36	24.80	25.00	-3.01	20.83	21.35	21.79	21.99
EGPRS (8PSK)	1Tx slot	24.33	24.85	25.02	25.50	-9.03	15.30	15.82	15.99	16.47
	2Tx slots	23.24	23.82	23.94	24.00	-6.02	17.22	17.80	17.92	17.98
	3Tx slots	20.61	21.26	21.38	21.50	-4.26	16.35	17.00	17.12	17.24
	4Tx slots	18.75	19.38	19.58	20.00	-3.01	15.74	16.37	16.57	16.99

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		29.01	29.14	29.02	29.50	-9.03	19.98	20.11	19.99	20.47
GPRS (GMSK)	1Tx slot	28.96	29.09	28.88	29.50	-9.03	19.93	20.06	19.85	20.47
	2Tx slots	26.95	26.78	26.36	27.00	-6.02	20.93	20.76	20.34	20.98
	3Tx slots	25.45	25.26	24.80	25.50	-4.26	21.19	21.00	20.54	21.24
	4Tx slots	23.18	23.01	22.54	23.50	-3.01	20.17	20.00	19.53	20.49
EGPRS (8PSK)	1Tx slot	24.81	25.10	24.39	25.50	-9.03	15.78	16.07	15.36	16.47
	2Tx slots	23.02	23.61	22.67	24.00	-6.02	17.00	17.59	16.65	17.98
	3Tx slots	20.02	20.92	19.90	21.00	-4.26	15.76	16.66	15.64	16.74
	4Tx slots	17.72	18.70	17.64	19.00	-3.01	14.71	15.69	14.63	15.99

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		22.19	22.29	22.22	22.50
RMC 12.2K		22.22	22.32	22.25	22.50
HSDPA	Subtest-1	21.77	21.67	21.71	22.00
	Subtest-2	21.43	21.29	21.26	21.50
	Subtest-3	21.26	21.05	21.03	21.50
	Subtest-4	21.25	21.10	21.05	21.50
HSUPA	Subtest-1	17.93	19.36	18.87	19.50
	Subtest-2	20.01	19.62	19.59	20.50
	Subtest-3	19.91	19.26	19.24	20.00
	Subtest-4	20.04	19.68	19.67	20.50
	Subtest-5	21.77	21.62	21.58	22.00

WCDMA Band IV		Conducted Power (dBm)			Tune-up limit (dBm)
		CH1312	CH1413	CH1513	
		1712.4MHz	1732.6MHz	1752.6MHz	
AMR 12.2K		22.07	22.11	22.16	22.50
RMC 12.2K		22.10	22.14	22.19	22.50
HSDPA	Subtest-1	19.94	20.62	20.22	21.00
	Subtest-2	20.23	20.84	20.44	21.00
	Subtest-3	20.24	20.85	20.45	21.00
	Subtest-4	20.36	20.93	20.53	21.00
HSUPA	Subtest-1	19.67	20.38	19.93	20.50
	Subtest-2	20.52	20.90	20.50	21.00
	Subtest-3	20.63	20.87	20.44	21.00
	Subtest-4	20.94	21.24	19.96	21.50
	Subtest-5	20.86	21.34	20.98	21.50

WCDMA Band V		Conducted Power (dBm)			Tune-up limit (dBm)
		CH4132	CH4183	CH4233	
		826.4MHz	836.6MHz	846.6MHz	
AMR 12.2K		21.70	21.84	22.20	22.50
RMC 12.2K		21.73	21.87	22.23	22.50
HSDPA	Subtest-1	20.19	21.14	21.97	22.00
	Subtest-2	20.03	20.82	21.70	22.00
	Subtest-3	19.67	20.52	21.29	21.50
	Subtest-4	19.73	20.55	21.30	21.50
HSUPA	Subtest-1	18.39	19.27	20.11	20.50
	Subtest-2	19.33	19.97	20.74	21.00
	Subtest-3	19.01	19.44	20.28	20.50
	Subtest-4	18.89	19.55	19.39	20.00
	Subtest-5	20.21	21.14	21.85	22.00

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	22.91	23.02	22.98	23.50
			2	23.00	23.05	22.96	
			5	23.01	23.08	22.98	
		3	0	23.05	23.19	23.17	23.50
			1	23.01	23.14	23.15	
			3	23.03	23.26	23.15	
		6	0	21.86	22.14	22.14	22.50
	16QAM	1	0	22.62	22.16	22.45	23.00
			2	22.64	21.95	22.06	
			5	22.20	21.94	22.49	
		3	0	21.66	22.06	21.94	22.50
			1	21.63	22.07	22.00	
			3	21.77	22.10	22.24	
		6	0	21.04	21.03	21.25	21.50
3	QPSK	1	0	24.08	24.20	23.72	24.50
			8	24.16	24.19	23.72	
			14	24.13	24.26	23.71	
		8	0	23.20	23.22	22.78	23.50
			4	23.21	23.27	22.73	
			7	23.17	23.19	22.78	
		15	0	23.25	23.39	22.80	23.50
	16QAM	1	0	23.09	23.14	22.69	23.50
			8	23.04	23.08	22.79	
			14	23.10	23.09	22.75	
		8	0	22.39	22.40	21.83	22.50
			4	22.32	22.44	21.82	
			7	22.28	22.42	21.77	
		15	0	22.33	22.25	21.79	22.50
5	QPSK	1	0	24.13	24.13	23.90	24.50
			12	24.20	24.13	23.92	
			24	24.21	24.13	23.94	
		12	0	23.18	23.29	22.80	23.50
			6	23.19	23.37	22.83	
			13	23.32	23.39	22.82	
		25	0	23.27	23.32	22.80	23.50
	16QAM	1	0	22.67	23.47	22.59	23.50
			12	22.70	23.46	22.63	
			24	22.62	23.46	22.62	
		12	0	22.26	22.38	21.77	22.50
			6	22.27	22.39	21.75	
			13	22.29	22.36	21.70	
		25	0	22.38	22.45	21.85	22.50

10	QPSK	1	0	23.95	24.19	23.72	24.50
			24	24.21	24.20	23.69	
			49	24.32	24.23	23.66	
		25	0	23.28	23.43	22.79	23.50
			12	23.23	23.40	22.92	
			25	23.38	23.33	22.83	
		50	0	23.24	23.35	22.78	23.50
	16QAM	1	0	23.15	23.32	23.19	23.50
			24	23.28	23.30	23.23	
			49	23.34	23.27	23.21	
		25	0	22.26	22.50	22.00	23.00
			12	22.26	22.50	21.99	
			25	22.37	22.51	21.97	
		50	0	22.28	22.41	21.94	22.50
15	QPSK	1	0	24.13	24.16	24.03	24.50
			38	24.33	24.16	23.72	
			74	24.36	24.15	23.74	
		38	0	23.34	23.17	22.87	23.50
			18	23.39	23.21	22.89	
			37	23.28	23.20	22.89	
		75	0	23.28	23.21	22.89	23.50
	16QAM	1	0	23.28	23.38	23.48	23.50
			38	23.29	23.33	23.23	
			74	23.37	23.34	23.22	
		38	0	23.38	23.21	22.88	23.50
			18	23.39	23.21	22.89	
			37	23.28	23.21	22.89	
		75	0	22.39	22.33	21.95	22.50
20	QPSK	1	0	24.44	24.44	24.09	25.00
			49	24.41	24.33	23.82	
			99	24.59	24.40	23.85	
		50	0	23.24	23.35	22.94	23.50
			25	23.34	23.39	22.97	
			50	23.43	23.24	22.87	
		100	0	23.33	23.25	22.84	23.50
	16QAM	1	0	23.27	23.66	22.93	24.00
			49	23.41	23.53	22.67	
			99	23.50	23.60	22.76	
		50	0	22.43	22.43	22.12	23.00
			25	22.46	22.43	22.13	
			50	22.56	22.35	22.02	
		100	0	22.42	22.46	21.96	22.50

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	21.85	22.90	22.85	23.50
			2	22.79	22.94	23.02	
			5	22.85	23.01	22.98	
		3	0	22.84	22.85	22.92	23.00
			1	22.88	22.86	22.94	
			3	22.83	22.88	22.90	
		6	0	21.90	21.89	21.88	22.00
	16QAM	1	0	21.49	22.36	22.50	23.00
			2	21.55	21.73	22.98	
			5	21.47	21.73	22.93	
		3	0	21.83	21.57	21.70	22.00
			1	21.45	21.63	21.28	
			3	21.53	21.58	21.26	
		6	0	20.82	20.98	20.94	21.00
3	QPSK	1	0	22.21	22.70	23.23	23.50
			8	22.25	22.73	23.29	
			14	22.15	22.77	23.41	
		8	0	21.20	21.71	22.36	22.50
			4	21.22	21.72	22.25	
			7	21.29	21.71	22.36	
		15	0	21.21	21.81	22.30	22.50
	16QAM	1	0	20.94	21.39	22.36	22.50
			8	20.98	21.40	22.39	
			14	20.94	21.45	22.43	
		8	0	20.39	21.18	21.44	21.50
			4	20.40	21.14	21.46	
			7	20.34	20.99	21.45	
		15	0	20.20	20.73	21.37	21.50
5	QPSK	1	0	22.08	22.61	23.31	24.00
			12	22.09	22.78	23.47	
			24	22.26	22.83	23.59	
		12	0	21.26	21.66	22.25	22.50
			6	21.28	21.68	22.36	
			13	21.34	21.90	22.33	
		25	0	21.25	21.84	22.39	22.50
	16QAM	1	0	20.55	21.82	21.73	22.50
			12	20.53	21.95	21.80	
			24	20.68	22.08	21.92	
		12	0	20.19	21.07	21.15	21.50
			6	20.20	21.04	21.28	
			13	20.31	21.01	21.29	
		25	0	20.32	20.87	21.36	21.50

10	QPSK	1	0	21.71	22.76	23.07	23.50
			24	22.70	22.98	22.96	
			49	22.55	23.04	22.90	
		25	0	21.77	21.73	21.93	22.50
			12	21.75	21.88	21.97	
			25	21.81	21.86	22.01	
		50	0	21.79	21.85	21.89	22.00
	16QAM	1	0	21.12	21.50	22.68	23.00
			24	21.21	21.75	22.84	
			49	21.27	21.81	22.98	
		25	0	20.24	21.04	21.21	21.50
			12	20.22	21.04	21.14	
			25	20.30	21.07	21.29	
		50	0	20.14	20.91	21.45	21.50
15	QPSK	1	0	22.19	22.40	22.98	23.50
			38	22.30	22.64	23.21	
			74	22.46	22.87	23.46	
		38	0	21.37	21.77	22.14	22.50
			18	21.35	21.77	22.16	
			37	21.35	21.78	22.16	
		75	0	21.35	21.75	22.15	22.50
	16QAM	1	0	21.17	21.67	22.65	23.50
			38	21.17	21.87	22.87	
			74	21.42	22.13	23.07	
		38	0	21.36	21.77	22.16	22.50
			18	21.35	21.78	22.16	
			37	21.35	21.78	22.16	
		75	0	20.33	20.89	21.19	21.50
20	QPSK	1	0	22.32	22.56	23.00	23.50
			49	22.47	22.93	23.17	
			99	22.76	23.26	23.45	
		50	0	21.22	21.75	21.96	22.50
			25	21.20	21.76	22.04	
			50	21.45	21.93	22.17	
		100	0	21.37	21.89	22.15	22.50
	16QAM	1	0	20.95	21.83	21.57	22.50
			49	20.98	22.08	21.70	
			99	21.34	22.38	22.00	
		50	0	20.34	20.79	21.02	22.00
			25	20.33	20.80	20.96	
			50	20.53	21.02	21.58	
		100	0	20.41	20.98	21.05	21.50

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	21.33	22.40	22.82	23.00
			2	22.30	22.32	22.80	
			5	22.28	22.42	22.85	
		3	0	22.24	22.38	22.72	23.00
			1	22.32	22.36	22.74	
			3	22.33	22.35	22.90	
		6	0	21.21	21.58	21.74	22.00
	16QAM	1	0	21.00	21.27	21.89	22.50
			2	20.96	21.97	22.42	
			5	21.10	21.52	22.10	
		3	0	20.90	21.32	21.33	22.00
			1	20.93	21.17	21.46	
			3	20.92	21.23	21.58	
		6	0	20.48	20.52	20.86	21.00
3	QPSK	1	0	22.98	23.36	23.27	23.50
			8	22.97	23.21	23.22	
			14	22.96	23.18	23.37	
		8	0	22.13	22.26	22.26	22.50
			4	22.06	22.17	22.28	
			7	22.21	22.26	22.26	
		15	0	22.10	22.27	22.23	22.50
	16QAM	1	0	21.67	21.85	22.43	23.00
			8	21.67	22.02	22.49	
			14	21.74	22.04	22.73	
		8	0	21.17	21.26	21.53	22.00
			4	21.17	21.23	21.55	
			7	21.25	21.39	21.32	
		15	0	21.02	21.26	21.48	21.50
5	QPSK	1	0	23.00	23.18	23.48	23.50
			12	22.92	23.10	23.34	
			24	23.04	23.14	23.47	
		12	0	22.06	22.36	22.36	22.50
			6	22.05	22.31	22.35	
			13	22.12	22.30	22.32	
		25	0	22.04	22.32	22.38	22.50
	16QAM	1	0	21.37	22.21	22.00	22.50
			12	21.30	22.35	22.03	
			24	21.55	22.38	22.15	
		12	0	21.06	21.31	21.38	21.50
			6	21.05	21.33	21.38	
			13	21.04	21.37	21.44	
		25	0	21.12	21.33	21.47	21.50
10	QPSK	1	0	23.15	23.07	23.35	23.50
			24	23.07	22.98	23.36	
			49	23.14	23.21	23.41	
		25	0	22.08	22.28	22.30	22.50
			12	22.18	22.34	22.28	
			25	22.15	22.32	22.39	
		50	0	22.07	22.29	22.34	22.50
	16QAM	1	0	22.11	22.05	22.78	23.00
			24	22.01	22.13	22.81	
			49	22.06	22.04	22.85	
		25	0	21.03	21.34	21.28	22.00
			12	21.07	21.32	21.24	
			25	21.26	21.43	21.58	
		50	0	21.25	21.38	21.45	21.50

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	20.95	20.78	20.99	21.50
			12	20.94	20.73	20.98	
			24	21.04	20.72	21.08	
		12	0	20.02	19.93	19.99	20.50
			6	19.97	19.93	19.99	
			13	20.06	20.06	19.99	
		25	0	20.00	20.02	20.00	20.50
	16QAM	1	0	19.51	19.91	19.53	20.50
			12	19.56	20.21	19.92	
			24	19.60	19.89	19.99	
		12	0	19.18	19.16	18.98	19.50
			6	19.14	19.14	18.88	
			13	19.12	19.08	19.04	
		25	0	19.08	18.95	19.03	19.50
10	QPSK	1	0	19.27	19.39	19.35	19.50
			24	19.26	19.40	19.39	
			49	19.30	19.45	19.47	
		25	0	18.38	18.34	18.59	19.00
			12	18.51	18.35	18.67	
			25	18.41	18.46	18.61	
		50	0	18.41	18.51	18.59	19.00
	16QAM	1	0	18.50	18.31	19.01	19.50
			24	18.41	18.33	18.98	
			49	18.48	18.41	19.04	
		25	0	17.42	17.63	17.70	18.00
			12	17.42	17.64	17.65	
			25	17.44	17.66	17.75	
		50	0	17.52	17.57	17.65	18.00
15	QPSK	1	0	19.35	19.22	19.30	20.00
			38	19.41	19.37	19.44	
			74	19.35	19.40	19.58	
		38	0	18.53	18.51	18.48	19.00
			18	18.51	18.51	18.50	
			37	18.51	18.51	18.50	
		75	0	18.51	18.51	18.50	19.00
	16QAM	1	0	18.46	18.37	18.95	19.50
			38	18.42	18.56	19.08	
			74	18.50	18.63	19.12	
		38	0	18.52	18.51	18.49	19.00
			18	18.51	18.51	18.50	
			37	18.51	18.51	18.50	
		75	0	17.47	17.52	17.66	18.00
20	QPSK	1	0	19.56	19.32	19.49	20.00
			49	19.52	19.46	19.60	
			99	19.64	19.52	19.73	
		50	0	18.49	18.42	18.52	19.00
			25	18.48	18.44	18.52	
			50	18.58	18.47	18.66	
		100	0	18.43	18.52	18.62	19.00
	16QAM	1	0	18.34	18.78	18.44	19.00
			49	18.32	18.85	18.49	
			99	18.38	18.90	18.70	
		50	0	17.68	17.56	17.68	18.00
			25	17.63	17.57	17.60	
			50	17.63	17.62	17.81	
		100	0	17.52	17.67	17.55	18.00

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	22.38	22.77	22.75	23.00
			2	22.41	22.76	22.85	
			5	22.47	22.81	22.61	
		3	0	22.29	22.82	22.65	23.00
			1	22.37	22.78	22.72	
			3	22.30	22.74	22.73	
		6	0	21.41	21.89	21.76	22.00
	16QAM	1	0	21.06	22.11	22.14	22.50
			2	21.01	21.77	21.94	
			5	21.07	22.09	22.15	
		3	0	21.13	21.56	21.26	22.00
			1	21.11	21.56	21.29	
			3	20.94	21.53	21.09	
		6	0	20.37	20.91	21.24	21.50
3	QPSK	1	0	20.90	21.04	20.84	21.50
			8	20.83	21.18	20.89	
			14	20.88	20.97	20.87	
		8	0	19.93	19.74	20.07	20.50
			4	19.93	19.76	19.96	
			7	19.86	19.97	19.91	
		15	0	19.92	20.06	19.91	20.50
	16QAM	1	0	19.59	19.59	20.16	20.50
			8	19.50	19.61	20.04	
			14	19.61	19.59	19.94	
		8	0	19.03	18.96	19.09	19.50
			4	19.03	18.99	19.10	
			7	19.16	18.96	18.97	
		15	0	18.96	18.77	19.00	19.50
5	QPSK	1	0	20.82	20.83	20.92	21.50
			12	20.88	20.46	21.04	
			24	20.84	20.81	20.99	
		12	0	20.00	19.76	19.97	20.50
			6	19.84	19.79	19.99	
			13	19.88	19.98	19.86	
		25	0	19.96	20.03	19.90	20.50
	16QAM	1	0	19.28	19.94	19.62	20.50
			12	19.15	19.97	19.62	
			24	19.49	20.19	19.54	
		12	0	18.89	18.89	18.95	19.50
			6	18.92	18.86	18.78	
			13	19.14	18.99	18.95	
		25	0	19.19	18.91	19.04	19.50
10	QPSK	1	0	20.74	20.87	20.90	21.50
			24	20.87	20.91	20.84	
			49	21.02	20.91	20.85	
		25	0	19.86	19.81	20.07	20.50
			12	19.93	19.95	20.13	
			25	19.83	19.99	20.05	
		50	0	20.14	20.03	20.07	20.50
	16QAM	1	0	19.94	19.56	20.44	21.00
			24	20.05	19.63	20.51	
			49	19.91	19.70	20.27	
		25	0	19.04	19.10	18.91	19.50
			12	19.06	19.01	18.90	
			25	18.82	19.18	19.19	
		50	0	19.11	19.04	19.01	19.50

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	22.49	22.91	22.77	23.00
			12	22.54	22.84	22.76	
			24	22.75	22.90	22.69	
		12	0	21.58	21.83	22.01	22.50
			6	21.75	21.93	22.12	
			13	21.83	21.86	21.84	
		25	0	21.62	22.08	21.79	22.50
	16QAM	1	0	21.63	21.46	21.14	22.00
			12	21.53	21.70	21.23	
			24	21.96	21.72	20.98	
		12	0	20.70	20.79	20.91	21.00
			6	20.66	20.71	20.91	
			13	20.82	20.83	20.94	
		25	0	20.75	21.08	21.10	21.50
10	QPSK	1	0	20.86	21.06	20.92	21.50
			24	20.88	20.96	20.89	
			49	20.81	20.94	20.94	
		25	0	19.80	20.10	19.99	20.50
			12	19.80	19.96	20.10	
			25	19.97	20.10	19.95	
		50	0	20.09	19.96	19.98	20.50
	16QAM	1	0	19.79	19.62	20.38	20.50
			24	19.55	19.60	20.45	
			49	19.64	19.64	20.35	
		25	0	18.82	19.40	18.95	19.50
			12	18.79	19.01	18.97	
			25	18.86	19.22	19.16	
		50	0	18.91	19.00	18.89	19.50

Appendix A:Conducted Power Measurement Results-WIFI

WIFI 2.4G					
Mode	Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
802.11b	1	2412	17.77	17.53	18.00
	6	2437	16.93	16.62	17.00
	11	2462	17.43	17.17	17.50
802.11g	1	2412	14.55	14.19	14.50
	6	2437	15.35	15.01	15.50
	11	2462	15.23	14.93	15.00
802.11n (HT20)	1	2412	15.69	15.16	15.50
	6	2437	14.63	14.29	14.50
	11	2462	15.44	15.08	15.50

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 3Tx slots	Front	128	824.2	25.96	27.00	1.271	-	-	-	-
		190	836.6	26.49	27.00	1.125	-	-	-	-
		251	848.8	26.94	27.00	1.014	-0.03	0.530	0.537	1

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	25.45	25.50	1.012	-0.12	1.010	1.022	2
		661	1880.0	25.26	25.50	1.057	0.13	0.956	1.010	-
		810	1909.8	24.80	25.50	1.175	-0.01	0.841	0.988	-

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	22.22	22.50	1.067	-0.16	0.843	0.899	-
		9400	1880.0	22.32	22.50	1.042	-0.08	0.874	0.911	3
		9538	1907.6	22.25	22.50	1.059	0.08	0.856	0.907	-

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	22.10	22.50	1.096	0.03	0.960	1.053	-
		1413	1732.6	22.14	22.50	1.086	-0.08	0.986	1.071	-
		1513	1752.6	22.19	22.50	1.074	-0.10	1.070	1.149	4

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	21.73	22.50	1.194	-	-	-	-
		4183	836.6	21.87	22.50	1.156	-	-	-	-
		4233	846.6	22.23	22.50	1.064	-0.02	0.488	0.519	5

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	24.59	25.00	1.099	-0.04	1.260	1.385	6
		18900	1880.0	24.40	25.00	1.148	-0.05	1.190	1.366	-
		19100	1900.0	23.85	25.00	1.303	0.16	0.971	1.265	-
20M QPSK 50RB	Front	18700	1860.0	23.43	23.50	1.016	-0.07	1.030	1.047	-
		18900	1880.0	23.24	23.50	1.062	0.07	0.959	1.018	-
		19100	1900.0	22.87	23.50	1.156	0.15	0.863	0.998	-
20M QPSK 100RB	Front	18700	1860.0	23.33	23.50	1.040	0.06	0.982	1.021	-
		18900	1880.0	23.25	23.50	1.059	-0.02	0.937	0.993	-
		19100	1900.0	22.84	23.50	1.164	-0.11	0.811	0.944	-

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	22.76	23.50	1.186	0.01	0.623	0.739	-
		20175	1732.5	23.26	23.50	1.057	-0.11	0.886	0.936	-
		20300	1745.0	23.45	23.50	1.012	-0.11	0.954	0.965	7
20M QPSK 50RB	Front	20050	1720.0	21.45	22.50	1.274	0.09	0.633	0.806	-
		20175	1732.5	21.93	22.50	1.140	0.16	0.741	0.845	-
		20300	1745.0	22.17	22.50	1.079	-0.02	0.832	0.898	-
20M QPSK 100RB	Front	20050	1720.0	21.37	22.50	1.297	-0.03	0.609	0.790	-
		20175	1732.5	21.89	22.50	1.151	-0.07	0.726	0.835	-
		20300	1745.0	22.15	22.50	1.084	-0.06	0.806	0.874	-

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	23.14	23.50	1.086	-	-	-	-
		20525	836.5	23.21	23.50	1.069	-	-	-	-
		20600	844.0	23.41	23.50	1.021	-0.12	0.517	0.528	8
10M QPSK 25RB	Front	20450	829.0	22.15	22.50	1.084	-	-	-	-
		20525	836.5	22.32	22.50	1.042	-	-	-	-
		20600	844.0	22.39	22.50	1.026	-0.05	0.475	0.487	-

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	19.64	20.00	1.086	-	-	-	-
		21100	2535.0	19.52	20.00	1.117	-	-	-	-
		21350	2560.0	19.73	20.00	1.064	-0.06	0.869	0.925	9
20M QPSK 50RB	Front	20850	2510.0	18.58	19.00	1.102	-	-	-	-
		21100	2535.0	18.47	19.00	1.130	-	-	-	-
		21350	2560.0	18.66	19.00	1.081	-0.04	0.746	0.807	-

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	21.02	21.50	1.117	-0.18	0.076	0.085	10
		23095	707.5	20.91	21.50	1.146	-	-	-	-
		23130	711.0	20.85	21.50	1.161	-	-	-	-
10M QPSK 25RB	Front	23060	704.0	19.93	20.50	1.140	-	-	-	-
		23095	707.5	19.95	20.50	1.135	-	-	-	-
		23130	711.0	20.13	20.50	1.089	-0.06	0.062	0.068	-

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	20.86	21.50	1.159	-	-	-	-
		23790	710.0	21.06	21.50	1.107	-0.09	0.102	0.113	11
		23800	711.0	20.92	21.50	1.143	-	-	-	-
10M QPSK 25RB	Front	23780	709.0	19.80	20.50	1.175	-	-	-	-
		23790	710.0	20.10	20.50	1.096	-0.04	0.087	0.095	-
		23800	711.0	19.99	20.50	1.125	-	-	-	-

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 1Mbps	Front	1	2412	17.53	18.00	1.114	0.966	1.036	0.07	0.010	0.012	12
		6	2437	16.62	17.00	1.091	0.966	1.036	-	-	-	-
		11	2462	17.17	17.50	1.079	0.966	1.036	-	-	-	-

Appendix B:SAR Measurement Results-Limbs

GSM850										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 3Tx slots	Limbs	128	824.2	25.96	27.00	1.271	-	-	-	-
		190	836.6	26.49	27.00	1.125	-	-	-	-
		251	848.8	26.94	27.00	1.014	-0.11	0.959	0.972	13

GSM1900										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 3Tx slots	Limbs	512	1850.2	25.45	25.50	1.012	-0.05	1.980	2.003	14
		661	1880.0	25.26	25.50	1.057	0.11	1.820	1.923	-
		810	1909.8	24.80	25.50	1.175	0.09	1.660	1.950	-

WCDMA Band II										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Limbs	9262	1852.4	22.22	22.50	1.067	0.12	2.180	2.325	-
		9400	1880.0	22.32	22.50	1.042	-0.06	2.480	2.585	15
		9538	1907.6	22.25	22.50	1.059	-0.09	2.270	2.405	-

WCDMA Band IV										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Limbs	1312	1712.4	22.10	22.50	1.096	0.14	2.310	2.533	-
		1413	1732.6	22.14	22.50	1.086	0.10	2.440	2.651	-
		1513	1752.6	22.19	22.50	1.074	-0.04	2.570	2.760	16

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	Limbs	4132	826.4	21.73	22.50	1.194	-	-	-	-
		4183	836.6	21.87	22.50	1.156	-	-	-	-
		4233	846.6	22.23	22.50	1.064	-0.10	0.918	0.977	17

LTE Band 2										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Limbs	18700	1860.0	24.59	25.00	1.099	-0.16	3.310	3.638	18
		18900	1880.0	24.40	25.00	1.148	-0.11	3.140	3.605	-
		19100	1900.0	23.85	25.00	1.303	0.15	2.560	3.336	-
20M QPSK 50RB	Limbs	18700	1860.0	23.43	23.50	1.016	-0.08	2.850	2.896	-
		18900	1880.0	23.24	23.50	1.062	-0.01	2.670	2.835	-
		19100	1900.0	22.87	23.50	1.156	0.08	2.080	2.405	-
20M QPSK 100RB	Limbs	18700	1860.0	23.33	23.50	1.040	0.18	2.770	2.881	-
		18900	1880.0	23.25	23.50	1.059	-0.19	2.550	2.701	-
		19100	1900.0	22.84	23.50	1.164	0.04	1.930	2.247	-

LTE Band 4										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Limbs	20050	1720.0	22.76	23.50	1.186	-	-	-	-
		20175	1732.5	23.26	23.50	1.057	-	-	-	-
		20300	1745.0	23.45	23.50	1.012	-0.10	1.810	1.831	19
20M QPSK 50RB	Limbs	20050	1720.0	21.45	22.50	1.274	-	-	-	-
		20175	1732.5	21.93	22.50	1.140	-	-	-	-
		20300	1745.0	22.17	22.50	1.079	-0.06	1.650	1.780	-
20M QPSK 100RB	Limbs	20050	1720.0	21.37	22.50	1.297	-	-	-	-
		20175	1732.5	21.89	22.50	1.151	-	-	-	-
		20300	1745.0	22.15	22.50	1.084	0.13	1.570	1.702	-

LTE Band 5										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Limbs	20450	829.0	23.14	23.50	1.086	-	-	-	-
		20525	836.5	23.21	23.50	1.069	-	-	-	-
		20600	844.0	23.41	23.50	1.021	-0.10	0.916	0.935	20
10M QPSK 25RB	Limbs	20450	829.0	22.15	22.50	1.084	-	-	-	-
		20525	836.5	22.32	22.50	1.042	-	-	-	-
		20600	844.0	22.39	22.50	1.026	-0.03	0.879	0.902	-

LTE Band 7										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Limbs	20850	2510.0	19.64	20.00	1.086	-	-	-	-
		21100	2535.0	19.52	20.00	1.117	-	-	-	-
		21350	2560.0	19.73	20.00	1.064	-0.07	0.438	0.466	21
20M QPSK 50RB	Limbs	20850	2510.0	18.58	19.00	1.102	-	-	-	-
		21100	2535.0	18.47	19.00	1.130	-	-	-	-
		21350	2560.0	18.66	19.00	1.081	-0.05	0.385	0.416	-

LTE Band 12										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Limbs	23060	704.0	21.02	21.50	1.117	-0.11	0.244	0.273	22
		23095	707.5	20.91	21.50	1.146	-	-	-	-
		23130	711.0	20.85	21.50	1.161	-	-	-	-
10M QPSK 25RB	Limbs	23060	704.0	19.93	20.50	1.140	-	-	-	-
		23095	707.5	19.95	20.50	1.135	-	-	-	-
		23130	711.0	20.13	20.50	1.089	-0.05	0.216	0.235	-

LTE Band 17										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(10g)	Report SAR(10g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Limbs	23780	709.0	20.86	21.50	1.159	-	-	-	-
		23790	710.0	21.06	21.50	1.107	-0.08	0.343	0.380	23
		23800	711.0	20.92	21.50	1.143	-	-	-	-
10M QPSK 25RB	Limbs	23780	709.0	19.80	20.50	1.175	-	-	-	-
		23790	710.0	20.10	20.50	1.096	-0.05	0.305	0.334	-
		23800	711.0	19.99	20.50	1.125	-	-	-	-

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(10g)	Report SAR(10g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11b 1Mbps	Limbs	1	2412	17.53	18.00	1.114	0.966	1.036	-0.19	0.038	0.044	24
		6	2437	16.62	17.00	1.091	0.966	1.036	-	-	-	-
		11	2462	17.17	17.50	1.079	0.966	1.036	-	-	-	-

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	Front	0.537	0.012	0.549
	GSM1900	Front	1.022	0.012	1.034
WCDMA	Band II	Front	0.911	0.012	0.923
	Band IV	Front	1.149	0.012	1.161
	Band V	Front	0.519	0.012	0.531
LTE	B2 1RB	Front	1.385	0.012	1.397
	B2 50RB	Front	1.047	0.012	1.059
	B2 100RB	Front	1.021	0.012	1.033
	B4 1RB	Front	0.965	0.012	0.977
	B4 50RB	Front	0.898	0.012	0.910
	B4 100RB	Front	0.874	0.012	0.886
	B5 1RB	Front	0.528	0.012	0.540
	B5 25RB	Front	0.487	0.012	0.499
	B7 1RB	Front	0.925	0.012	0.937
	B7 50RB	Front	0.807	0.012	0.819
	B12 1RB	Front	0.085	0.012	0.097
	B12 25RB	Front	0.068	0.012	0.080
	B17 1RB	Front	0.113	0.012	0.125
	B17 25RB	Front	0.095	0.012	0.107

Appendix C: Simultaneous Transmission analysis-Limbs

WWAN + WLAN DTS					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR (W/kg)
			WWAN	WLAN DTS	
GSM	GSM850	Limbs	0.972	0.044	1.016
	GSM1900	Limbs	2.003	0.044	2.047
WCDMA	Band II	Limbs	2.585	0.044	2.629
	Band IV	Limbs	2.760	0.044	2.804
	Band V	Limbs	0.977	0.044	1.021
LTE	B2 1RB	Limbs	3.638	0.044	3.682
	B2 50RB	Limbs	2.896	0.044	2.940
	B2 100RB	Limbs	2.881	0.044	2.925
	B4 1RB	Limbs	1.831	0.044	1.875
	B4 50RB	Limbs	1.780	0.044	1.824
	B4 100RB	Limbs	1.702	0.044	1.746
	B5 1RB	Limbs	0.935	0.044	0.979
	B5 25RB	Limbs	0.902	0.044	0.946
	B7 1RB	Limbs	0.466	0.044	0.510
	B7 50RB	Limbs	0.416	0.044	0.460
	B12 1RB	Limbs	0.273	0.044	0.317
	B12 25RB	Limbs	0.235	0.044	0.279
	B17 1RB	Limbs	0.380	0.044	0.424
	B17 25RB	Limbs	0.334	0.044	0.378