

Project No.	SHT2206102302EW		
Test sample No.	YPHT22061023002	Model No.	Tablet
Start test date	2022/7/11	Finish date	2022/7/28
Temperature	22.4℃	Humidity	44%
Test Engineer	Bo Wang	Auditor	Weiyang.Xiang

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		33.55	33.39	33.23	34.00	-9.03	24.52	24.36	24.20	24.97
GPRS (GMSK)	1Tx slot	33.42	33.22	33.07	33.50	-9.03	24.39	24.19	24.04	24.47
	2Tx slots	31.61	31.49	31.13	32.00	-6.02	25.59	25.47	25.11	25.98
	3Tx slots	30.06	29.70	29.31	30.50	-4.26	25.80	25.44	25.05	26.24
	4Tx slots	27.88	27.76	27.40	28.00	-3.01	24.87	24.75	24.39	24.99

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		28.34	28.51	28.97	29.00	-9.03	19.31	19.48	19.94	19.97
GPRS (GMSK)	1Tx slot	28.36	26.01	29.03	29.50	-9.03	19.33	16.98	20.00	20.47
	2Tx slots	26.13	26.01	26.64	27.00	-6.02	20.11	19.99	20.62	20.98
	3Tx slots	24.75	24.77	25.22	25.50	-4.26	20.49	20.51	20.96	21.24
	4Tx slots	22.44	22.62	22.83	23.00	-3.01	19.43	19.61	19.82	19.99

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		21.73	21.17	20.79	22.00
RMC 12.2K		21.76	21.20	20.82	22.00
HSDPA	Subtest-1	21.28	20.76	20.40	21.50
	Subtest-2	20.94	20.44	20.04	21.00
	Subtest-3	20.56	20.10	19.73	21.00
	Subtest-4	20.50	19.94	19.57	21.00
HSUPA	Subtest-1	18.19	17.78	17.40	18.50
	Subtest-2	18.36	17.90	17.59	18.50
	Subtest-3	18.06	17.58	17.30	18.50
	Subtest-4	18.43	18.02	17.72	18.50
	Subtest-5	21.52	21.31	21.01	22.00

WCDMA Band V		Conducted Power (dBm)			Tune-up limit (dBm)
		CH4132	CH4183	CH4233	
		826.4MHz	836.6MHz	846.6MHz	
AMR 12.2K		23.02	23.47	23.12	23.50
RMC 12.2K		23.05	23.51	23.15	24.00
HSDPA	Subtest-1	22.29	22.77	22.45	23.00
	Subtest-2	22.63	23.09	22.68	23.50
	Subtest-3	21.90	22.37	22.02	22.50
	Subtest-4	21.89	22.36	22.03	22.50
HSUPA	Subtest-1	18.92	19.42	19.05	19.50
	Subtest-2	19.13	19.52	19.29	20.00
	Subtest-3	19.36	19.86	19.54	20.00
	Subtest-4	19.24	19.50	19.38	20.00
	Subtest-5	22.78	23.22	22.88	23.50

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	15.01	12.62	13.00
	6	2437	14.91	12.44	12.50
	11	2462	15.74	13.24	13.50
802.11g	1	2412	14.67	11.96	12.00
	6	2437	14.52	11.74	12.00
	11	2462	15.16	12.40	12.50
802.11n (HT20)	1	2412	15.07	13.40	13.50
	6	2437	14.88	13.22	13.50
	11	2462	15.23	13.56	14.00

Bluetooth						
Mode		Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
EDR	GFSK	0	2402	7.36	7.34	7.50
		39	2441	6.52	6.49	6.50
		78	2480	5.84	5.83	6.00
	$\pi/4$ QPSK	0	2402	7.82	7.29	7.50
		39	2441	7.01	6.42	6.50
		78	2480	6.40	5.80	6.00
	8DPSK	0	2402	7.77	7.20	7.50
		39	2441	7.00	6.81	7.00
		78	2480	6.43	6.23	6.50
BLE	GFSK	0	2402	-1.24	-1.30	1.00
		19	2440	-2.13	-2.18	2.00
		39	2480	-2.89	-2.93	-2.50

Appendix B:SAR Measurement Results

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	Rear	128	824.2	30.06	30.50	1.107	-0.16	0.889	0.984	1
		190	836.6	29.70	30.50	1.202	0.13	0.813	0.977	-
		251	848.8	29.31	30.50	1.315	-0.07	0.744	0.979	-
	Left	128	824.2	30.06	30.50	1.107	-0.09	0.223	0.247	-
		190	836.6	29.70	30.50	1.202	-	-	-	-
		251	848.8	29.31	30.50	1.315	-	-	-	-
	Right	128	824.2	30.06	30.50	1.107	-0.08	0.822	0.910	-
		190	836.6	29.70	30.50	1.202	0.11	0.752	0.904	-
		251	848.8	29.31	30.50	1.315	-0.08	0.690	0.908	-
	Top	128	824.2	30.06	30.50	1.107	-0.04	0.863	0.955	-
		190	836.6	29.70	30.50	1.202	0.19	0.783	0.941	-
		251	848.8	29.31	30.50	1.315	0.03	0.717	0.943	-
	Bottom	128	824.2	30.06	30.50	1.107	-0.07	0.214	0.237	-
		190	836.6	29.70	30.50	1.202	-	-	-	-
		251	848.8	29.31	30.50	1.315	-	-	-	-

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	Rear	512	1850.2	24.75	25.50	1.189	0.13	0.710	0.844	-
		661	1880.0	24.77	25.50	1.183	-0.05	0.747	0.884	-
		810	1909.8	25.22	25.50	1.067	-0.03	0.836	0.892	2
	Right	512	1850.2	24.75	25.50	1.189	0.07	0.624	0.742	-
		661	1880.0	24.77	25.50	1.183	-0.06	0.698	0.826	-
		810	1909.8	25.22	25.50	1.067	-0.02	0.783	0.835	-
	Top	512	1850.2	24.75	25.50	1.189	0.12	0.673	0.800	-
		661	1880.0	24.77	25.50	1.183	-0.07	0.726	0.859	-
		810	1909.8	25.22	25.50	1.067	-0.11	0.814	0.868	-

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	Rear	9262	1852.4	21.76	22.00	1.057	-0.16	0.855	0.904	3
		9400	1880.0	21.20	22.00	1.202	-0.08	0.749	0.900	-
		9538	1907.6	20.82	22.00	1.312	0.13	0.681	0.894	-
	Right	9262	1852.4	21.76	22.00	1.057	-0.05	0.801	0.847	-
		9400	1880.0	21.20	22.00	1.202	-0.09	0.700	0.842	-
		9538	1907.6	20.82	22.00	1.312	0.14	0.633	0.831	-
	Top	9262	1852.4	21.76	22.00	1.057	-0.03	0.835	0.882	-
		9400	1880.0	21.20	22.00	1.202	-0.17	0.729	0.876	-
		9538	1907.6	20.82	22.00	1.312	0.11	0.655	0.859	-

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	Rear	4132	826.4	23.05	24.00	1.245	-	-	-	-
		4183	836.6	23.51	24.00	1.119	-0.01	0.476	0.533	4
		4233	846.6	23.15	24.00	1.216	-	-	-	-
	Right	4132	826.4	23.05	24.00	1.245	-	-	-	-
		4183	836.6	23.51	24.00	1.119	-0.10	0.413	0.462	-
		4233	846.6	23.15	24.00	1.216	-	-	-	-
	Top	4132	826.4	23.05	24.00	1.245	-	-	-	-
		4183	836.6	23.51	24.00	1.119	-0.05	0.445	0.498	-
		4233	846.6	23.15	24.00	1.216	-	-	-	-

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	Rear	1	2412	12.62	13.00	1.091	0.995	1.005	-	-	-	-
		6	2437	12.44	12.50	1.014	0.995	1.005	-	-	-	-
		11	2462	13.24	13.50	1.062	0.995	1.005	-0.13	0.528	0.563	5
	Top	1	2412	12.62	13.00	1.091	0.995	1.005	-	-	-	-
		6	2437	12.44	12.50	1.014	0.995	1.005	-	-	-	-
		11	2462	13.24	13.50	1.062	0.995	1.005	-0.02	0.502	0.536	-

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)	
GFSK	Rear	0	2402	7.34	7.50	1.038	0.827	1.209	-0.10	0.109	0.137	6
		39	2441	6.49	6.50	1.002	0.827	1.209	-	-	-	-
		78	2480	5.83	6.00	1.040	0.827	1.209	-	-	-	-
	Top	0	2402	7.34	7.50	1.038	0.827	1.209	0.03	0.095	0.119	-
		39	2441	6.49	6.50	1.002	0.827	1.209	-	-	-	-
		78	2480	5.83	6.00	1.040	0.827	1.209	-	-	-	-

Appendix C: Simultaneous Transmission analysis

WWAN + WLAN DTS					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN DTS	(W/kg)
GSM	GSM850	Rear	0.984	0.563	1.547
		Left side	0.247	-	0.247
		Right side	0.910	-	0.910
		Top side	0.955	0.536	1.491
		Bottom side	0.237	-	0.237
	GSM1900	Rear	0.892	0.563	1.455
		Left side	-	-	-
		Right side	0.835	-	0.835
		Top side	0.868	0.536	1.404
		Bottom side	-	-	-
WCDMA	Band II	Rear	0.904	0.563	1.467
		Left side	-	-	-
		Right side	0.847	-	0.847
		Top side	0.882	0.536	1.418
		Bottom side	-	-	-
	Band V	Rear	0.533	0.563	1.096
		Left side	-	-	-
		Right side	0.462	-	0.462
		Top side	0.119	0.536	0.655
		Bottom side	-	-	-

WWAN + BT					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	BT	(W/kg)
GSM	GSM850	Rear	0.984	0.137	1.121
		Left side	0.247	-	0.247
		Right side	0.910	-	0.910
		Top side	0.955	0.119	1.074
		Bottom side	0.237	-	0.237
	GSM1900	Rear	0.892	0.137	1.029
		Left side	-	-	-
		Right side	0.835	-	0.835
		Top side	0.868	0.119	0.987
		Bottom side	-	-	-
WCDMA	Band II	Rear	0.904	0.137	1.041
		Left side	-	-	-
		Right side	0.847	-	0.847
		Top side	0.882	0.119	1.001
		Bottom side	-	-	-
	Band V	Rear	0.533	0.137	0.670
		Left side	-	-	-
		Right side	0.462	-	0.462
		Top side	0.119	0.119	0.238
		Bottom side	-	-	-