

Project No.	SHT2201022002EW		
Test sample No.	YPHT22010220001	Model No.	GT10
Start test date	2022/1/13	Finish date	2022/1/17
Temperature	22.7°C	Humidity	39%
Test Engineer	Bo Wang	Auditor	<i>Xiaodong Zheo</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		32.66	32.71	32.45	33.00	-9.03	23.63	23.68	23.42	23.97
GPRS (GMSK)	1Tx slot	32.66	35.77	32.28	36.00	-9.03	23.63	26.74	23.25	26.97
	2Tx slots	30.99	31.33	30.72	31.50	-6.02	24.97	25.31	24.70	25.48
	3Tx slots	29.34	29.15	28.52	29.50	-4.26	25.08	24.89	24.26	25.24
	4Tx slots	29.99	26.56	26.13	30.00	-3.01	26.98	23.55	23.12	26.99

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		29.20	29.22	29.25	29.50	-9.03	20.17	20.19	20.22	20.47
GPRS (GMSK)	1Tx slot	29.21	29.21	29.21	29.50	-9.03	20.18	20.18	20.18	20.47
	2Tx slots	27.56	27.49	27.29	28.00	-6.02	21.54	21.47	21.27	21.98
	3Tx slots	25.80	26.06	25.17	26.50	-4.26	21.54	21.80	20.91	22.24
	4Tx slots	23.36	23.78	22.88	24.00	-3.01	20.35	20.77	19.87	20.99

**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		22.24	22.27	22.30	22.50
RMC 12.2K		22.27	22.30	22.33	22.50
HSDPA	Subtest-1	21.91	23.09	22.73	23.50
	Subtest-2	21.63	22.95	22.55	23.00
	Subtest-3	20.78	21.99	21.66	22.00
	Subtest-4	20.12	21.67	21.39	22.00
HSUPA	Subtest-1	18.49	19.72	19.73	20.00
	Subtest-2	18.86	20.11	20.06	20.50
	Subtest-3	18.64	19.90	19.88	20.00
	Subtest-4	18.89	20.11	20.04	20.50
	Subtest-5	21.02	22.14	22.05	22.50

WCDMA Band V		Conducted Power (dBm)			Tune-up limit (dBm)
		CH4132	CH4183	CH4233	
		826.4MHz	836.6MHz	846.6MHz	
AMR 12.2K		22.64	22.59	22.30	23.00
RMC 12.2K		22.67	22.62	22.33	23.00
HSDPA	Subtest-1	23.28	23.27	22.92	23.50
	Subtest-2	22.20	22.32	22.06	22.50
	Subtest-3	21.39	21.50	21.22	22.00
	Subtest-4	20.80	20.93	20.63	21.00
HSUPA	Subtest-1	20.05	19.98	19.48	20.50
	Subtest-2	20.09	20.05	19.57	20.50
	Subtest-3	19.85	19.81	19.33	20.00
	Subtest-4	19.72	19.69	19.22	20.00
	Subtest-5	23.18	23.28	23.06	23.50

**Appendix A:Conducted Power Measurement Results-Bluetooth**

Bluetooth						
Mode		Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
EDR	GFSK	0	2402	8.72	8.69	9.00
		39	2441	9.65	9.64	10.00
		78	2480	8.88	8.86	9.00
	$\pi/4$ QPSK	0	2402	9.84	9.32	9.50
		39	2441	10.79	10.24	10.50
		78	2480	10.00	9.49	9.50
	8DPSK	0	2402	9.94	9.38	9.50
		39	2441	9.75	9.08	9.50
		78	2480	10.07	9.56	10.00

**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	29.99	30.00	1.002	0.06	0.658	0.660	-
		190	836.6	26.56	30.00	2.208	-	-	-	-
		251	848.8	26.13	30.00	2.438	-	-	-	-
	Left-Tilt	128	824.2	29.99	30.00	1.002	-0.07	0.503	0.504	-
		190	836.6	26.56	30.00	2.208	-	-	-	-
		251	848.8	26.13	30.00	2.438	-	-	-	-
	Right-Cheek	128	824.2	29.99	30.00	1.002	-0.13	0.710	0.712	1
		190	836.6	26.56	30.00	2.208	-	-	-	-
		251	848.8	26.13	30.00	2.438	-	-	-	-
	Right-Tilt	128	824.2	29.99	30.00	1.002	-0.08	0.538	0.539	-
		190	836.6	26.56	30.00	2.208	-	-	-	-
		251	848.8	26.13	30.00	2.438	-	-	-	-

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	25.80	26.50	1.175	0.04	0.329	0.387	-
		661	1880.0	26.06	26.50	1.107	-	-	-	-
		810	1909.8	25.17	26.50	1.358	-	-	-	-
	Left-Tilt	512	1850.2	25.80	26.50	1.175	-0.04	0.252	0.296	-
		661	1880.0	26.06	26.50	1.107	-	-	-	-
		810	1909.8	25.17	26.50	1.358	-	-	-	-
	Right-Cheek	512	1850.2	25.80	26.50	1.175	-0.09	0.355	0.417	2
		661	1880.0	26.06	26.50	1.107	-	-	-	-
		810	1909.8	25.17	26.50	1.358	-	-	-	-
	Right-Tilt	512	1850.2	25.80	26.50	1.175	-0.05	0.269	0.316	-
		661	1880.0	26.06	26.50	1.107	-	-	-	-
		810	1909.8	25.17	26.50	1.358	-	-	-	-

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	22.27	22.50	1.054	-	-	-	-
		9400	1880.0	22.30	22.50	1.047	-	-	-	-
		9538	1907.6	22.33	22.50	1.040	0.06	0.510	0.530	-
	Left-Tilt	9262	1852.4	22.27	22.50	1.054	-	-	-	-
		9400	1880.0	22.30	22.50	1.047	-	-	-	-
		9538	1907.6	22.33	22.50	1.040	-0.07	0.390	0.406	-
	Right-Cheek	9262	1852.4	22.27	22.50	1.054	-	-	-	-
		9400	1880.0	22.30	22.50	1.047	-	-	-	-
		9538	1907.6	22.33	22.50	1.040	-0.13	0.550	0.572	3
	Right-Tilt	9262	1852.4	22.27	22.50	1.054	-	-	-	-
		9400	1880.0	22.30	22.50	1.047	-	-	-	-
		9538	1907.6	22.33	22.50	1.040	-0.08	0.416	0.433	-

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	22.67	23.00	1.079	0.07	0.861	0.929	-
		4183	836.6	22.62	23.00	1.091	0.05	0.786	0.858	-
		4233	846.6	22.33	23.00	1.167	-0.08	0.723	0.844	-
	Left-Tilt	4132	826.4	22.67	23.00	1.079	-0.08	0.659	0.711	-
		4183	836.6	22.62	23.00	1.091	-	-	-	-
		4233	846.6	22.33	23.00	1.167	-	-	-	-
	Right-Cheek	4132	826.4	22.67	23.00	1.079	-0.15	0.929	1.002	4
		4183	836.6	22.62	23.00	1.091	-0.10	0.822	0.897	-
		4233	846.6	22.33	23.00	1.167	-0.05	0.754	0.880	-
	Right-Tilt	4132	826.4	22.67	23.00	1.079	-0.09	0.703	0.758	-
		4183	836.6	22.62	23.00	1.091	-	-	-	-
		4233	846.6	22.33	23.00	1.167	-	-	-	-

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)	
$\pi/4$ QPSK	Left-Cheek	0	2402	9.32	9.50	1.042	77.27%	1.294	-	-	-	-
		39	2441	10.24	10.50	1.062	77.27%	1.294	0.07	0.016	0.022	-
		78	2480	9.49	9.50	1.002	77.27%	1.294	-	-	-	-
	Left-Tilt	0	2402	9.32	9.50	1.042	77.27%	1.294	-	-	-	-
		39	2441	10.24	10.50	1.062	77.27%	1.294	-0.09	0.014	0.019	-
		78	2480	9.49	9.50	1.002	77.27%	1.294	-	-	-	-
	Right-Cheek	0	2402	9.32	9.50	1.042	77.27%	1.294	-	-	-	-
		39	2441	10.24	10.50	1.062	77.27%	1.294	-0.12	0.017	0.023	5
		78	2480	9.49	9.50	1.002	77.27%	1.294	-	-	-	-
	Right-Tilt	0	2402	9.32	9.50	1.042	77.27%	1.294	-	-	-	-
		39	2441	10.24	10.50	1.062	77.27%	1.294	0.05	0.014	0.020	-
		78	2480	9.49	9.50	1.002	77.27%	1.294	-	-	-	-

**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	29.99	30.00	1.002	-0.07	0.490	0.491	-
		190	836.6	26.56	30.00	2.208	-	-	-	-
		251	848.8	26.13	30.00	2.438	-	-	-	-
	Rear	128	824.2	29.99	30.00	1.002	-0.08	0.750	0.752	6
		190	836.6	26.56	30.00	2.208	-	-	-	-
		251	848.8	26.13	30.00	2.438	-	-	-	-

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	25.80	26.50	1.175	0.09	0.270	0.317	-
		661	1880.0	26.06	26.50	1.107	-	-	-	-
		810	1909.8	25.17	26.50	1.358	-	-	-	-
	Rear	512	1850.2	25.80	26.50	1.175	-0.18	0.362	0.425	7
		661	1880.0	26.06	26.50	1.107	-	-	-	-
		810	1909.8	25.17	26.50	1.358	-	-	-	-

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	22.27	22.50	1.054	-	-	-	-
		9400	1880.0	22.30	22.50	1.047	-	-	-	-
		9538	1907.6	22.33	22.50	1.040	0.03	0.376	0.391	-
	Rear	9262	1852.4	22.27	22.50	1.054	-	-	-	-
		9400	1880.0	22.30	22.50	1.047	-	-	-	-
		9538	1907.6	22.33	22.50	1.040	-0.09	0.529	0.550	8

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	22.67	23.00	1.079	-0.01	0.529	0.571	-
		4183	836.6	22.62	23.00	1.091	-	-	-	-
		4233	846.6	22.33	23.00	1.167	-	-	-	-
	Rear	4132	826.4	22.67	23.00	1.079	0.02	0.801	0.864	9
		4183	836.6	22.62	23.00	1.091	0.06	0.721	0.787	-
		4233	846.6	22.33	23.00	1.167	0.08	0.710	0.828	-

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)	
π/4QPSK	Front	0	2402	9.32	9.50	1.042	0.773	1.294	-	-	-	-
		39	2441	10.24	10.50	1.062	0.773	1.294	0.05	0.002	0.003	-
		78	2480	9.49	9.50	1.002	0.773	1.294	-	-	-	-
	Rear	0	2402	9.32	9.50	1.042	0.773	1.294	-	-	-	-
		39	2441	10.24	10.50	1.062	0.773	1.294	-0.02	0.003	0.004	10
		78	2480	9.49	9.50	1.002	0.773	1.294	-	-	-	-

**Appendix C: Simultaneous Transmission analysis-Head**

PCE + Bluetooth					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR (W/kg)
			PCE	BT	
GSM	GSM850	Left Cheek	0.660	0.022	0.682
		Left Tilted	0.504	0.019	0.523
		Right Cheek	0.712	0.023	0.735
		Right Tilted	0.539	0.020	0.559
	GSM1900	Left Cheek	0.387	0.022	0.409
		Left Tilted	0.296	0.019	0.315
		Right Cheek	0.417	0.023	0.440
		Right Tilted	0.316	0.020	0.336
WCDMA	Band II	Left Cheek	0.530	0.022	0.552
		Left Tilted	0.406	0.019	0.425
		Right Cheek	0.572	0.023	0.595
		Right Tilted	0.433	0.020	0.453
	Band V	Left Cheek	0.929	0.022	0.951
		Left Tilted	0.711	0.019	0.730
		Right Cheek	1.002	0.023	1.025
		Right Tilted	0.758	0.020	0.778



**Appendix C: Simultaneous Transmission analysis-Body**

PCE + BT					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			PCE	BT	(W/kg)
GSM	GSM850	Front	0.491	0.003	0.494
		Rear	0.752	0.004	0.756
	GSM1900	Front	0.317	0.004	0.321
		Rear	0.425	0.004	0.429
WCDMA	Band II	Front	0.391	0.004	0.395
		Rear	0.550	0.004	0.554
	Band V	Front	0.571	0.004	0.575
		Rear	0.864	0.004	0.868