

TA Technology (Shanghai) Co., Ltd.

Test Report

Appendix

1. DC Voltage Linearity

High Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	200008.9	-0.51	-0.00
Channel X + Input	20002.15	2.45	0.01
Channel X - Input	-19997.00	3.30	-0.02
Channel Y + Input	200005.4	-2.82	-0.00
Channel Y + Input	19998.66	-0.84	-0.00
Channel Y - Input	-20000.93	-0.63	0.00
Channel Z + Input	199994.0	-3.34	-0.00
Channel Z + Input	19996.77	-2.73	-0.01
Channel Z - Input	-20000.56	-0.46	0.00

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	1999.8	-0.33	-0.02
Channel X + Input	200.33	0.53	0.26
Channel X - Input	-198.90	1.00	-0.50
Channel Y + Input	2002.2	2.33	0.12
Channel Y + Input	199.54	-0.56	-0.28
Channel Y - Input	-201.11	-1.41	0.71
Channel Z + Input	1999.3	-0.62	-0.03
Channel Z + Input	198.98	-1.02	-0.51
Channel Z - Input	-201.03	-0.93	0.46

2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	4.59	2.90
	- 200	-1.80	-3.12
Channel Y	200	4.83	4.13
	- 200	-5.43	-5.98
Channel Z	200	-5.94	-5.40
	- 200	4.21	4.14

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (μV)	Channel Z (μV)
Channel X	200	-	1.61	0.02
Channel Y	200	2.28	-	3.02
Channel Z	200	1.25	0.43	-

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4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	16144	15969
Channel Y	15469	15645
Channel Z	16045	16110

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input 10M Ω

	Average (μ V)	min. Offset (μ V)	max. Offset (μ V)	Std. Deviation (μ V)
Channel X	0.37	-2.86	2.95	0.66
Channel Y	-0.77	-2.80	1.56	0.72
Channel Z	-0.21	-1.78	1.76	0.59

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance

	Zeroing (MOhm)	Measuring (MOhm)
Channel X	0.2000	201.1
Channel Y	0.2000	199.5
Channel Z	0.1999	198.3

8. Low Battery Alarm Voltage (verified during pre test)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7.6

9. Power Consumption (verified during pre test)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.0	+6	+14
Supply (- Vcc)	-0.01	-8	-9

ANNEX G: The EUT Appearances and Test Configuration



a: EUT



b: Battery

Picture 4: Constituents of EUT



Picture 5: Left Hand Touch Cheek Position



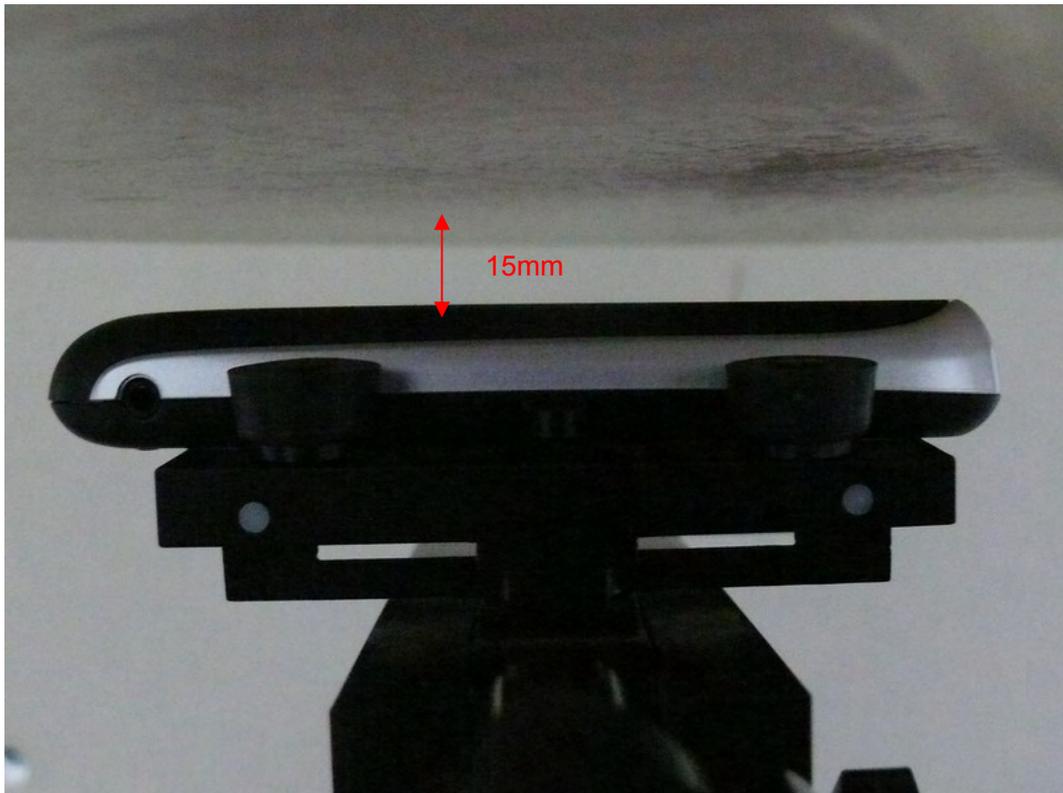
Picture 6: Left Hand Tilt 15 Degree Position



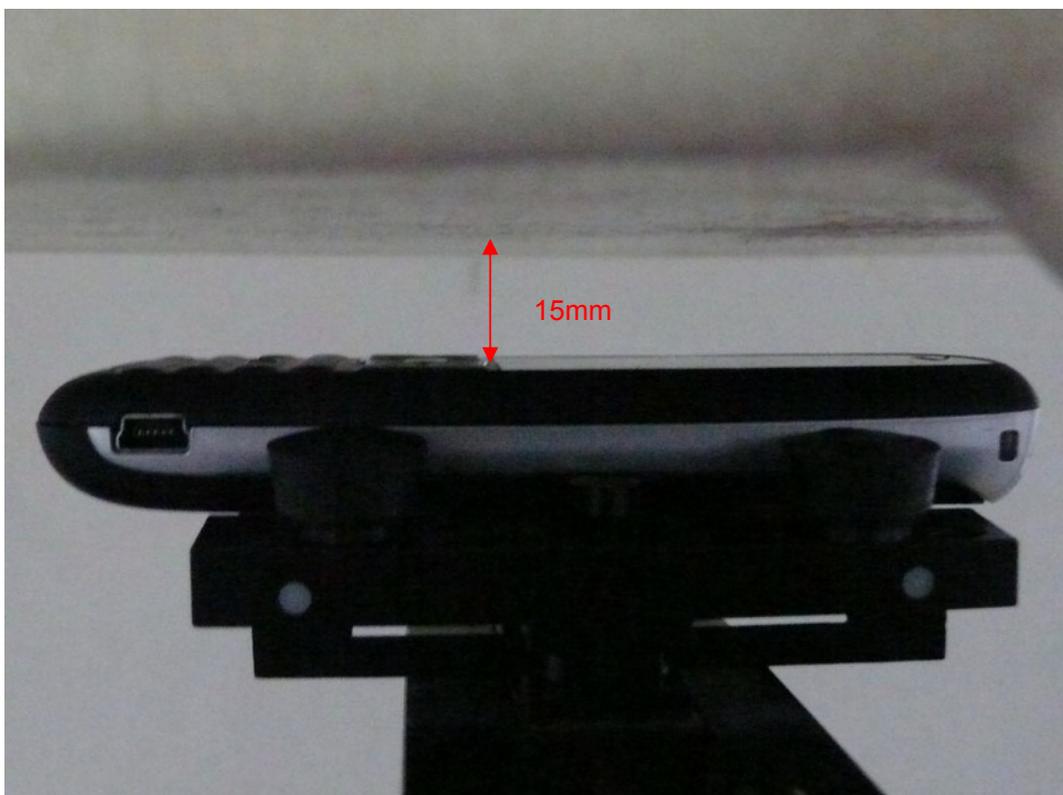
Picture 7: Right Hand Touch Cheek Position



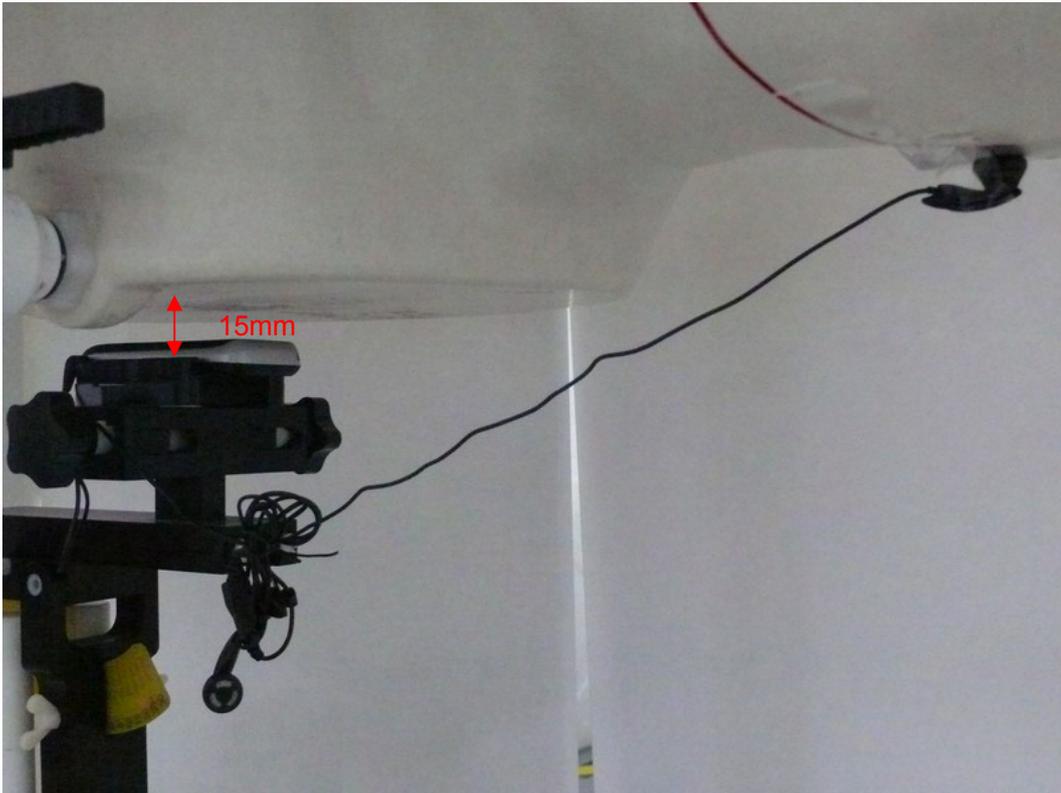
Picture 8: Right Hand Tilt 15 Degree Position



Picture 9: Body, The EUT display towards ground, the distance from handset to the bottom of the Phantom is 15mm



Picture 10: Body, The EUT display towards phantom, the distance from handset to the bottom of the Phantom is 15mm



Picture 11: Body with Earphone, The EUT display towards ground, the distance from handset to the bottom of the Phantom is 15mm