

TA Technology (Shanghai) Co., Ltd.

Test Report

Appendix

1. DC Voltage Linearity

High Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	199991.9	-0.91	-0.00
Channel X + Input	20000.28	0.48	0.00
Channel X - Input	-19998.51	0.59	-0.00
Channel Y + Input	200003.0	1.24	0.00
Channel Y + Input	19999.67	0.17	0.00
Channel Y - Input	-20000.04	-0.34	0.00
Channel Z + Input	200010.1	-0.11	-0.00
Channel Z + Input	19999.33	-0.07	-0.00
Channel Z - Input	-20001.45	-0.85	0.00

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	2000.0	0.05	0.00
Channel X + Input	199.81	-0.09	-0.04
Channel X - Input	-199.63	0.37	-0.19
Channel Y + Input	1999.9	-0.22	-0.01
Channel Y + Input	198.81	-1.19	-0.59
Channel Y - Input	-201.62	-1.72	0.86
Channel Z + Input	2000.4	0.48	0.02
Channel Z + Input	199.30	-0.70	-0.35
Channel Z - Input	-200.86	-1.06	0.53

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	14.43	13.13
	-200	-12.22	-13.72
Channel Y	200	-10.07	-9.78
	-200	9.61	8.66
Channel Z	200	-0.56	-0.83
	-200	-0.01	0.11

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	-	3.08	0.09
Channel Y	200	3.19	-	4.59
Channel Z	200	0.90	-0.06	-

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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	15920	15519
Channel Y	16179	17567
Channel Z	15791	15270

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	0.03	-1.16	2.66	0.46
Channel Y	-0.63	-3.22	0.29	0.46
Channel Z	-0.87	-2.03	0.28	0.46

6. Input Offset Current

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

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

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

9. Power Consumption (Typical values for information)

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

ANNEX G: The EUT Appearances and Test Configuration



Picture 3-1: EUT

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Picture 3-2: Thicker Battery

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Picture 3-3: Thinner Battery



Picture 3-4: Belt



Picture 3-5: Earphone 1



Picture 3-6: Earphone 2

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Picture 3-7: Pocket and Leather



Picture 3-8: Accessory 1



Picture 3-9: Audio Accessory 2



Picture 3-10: Audio Accessory 3

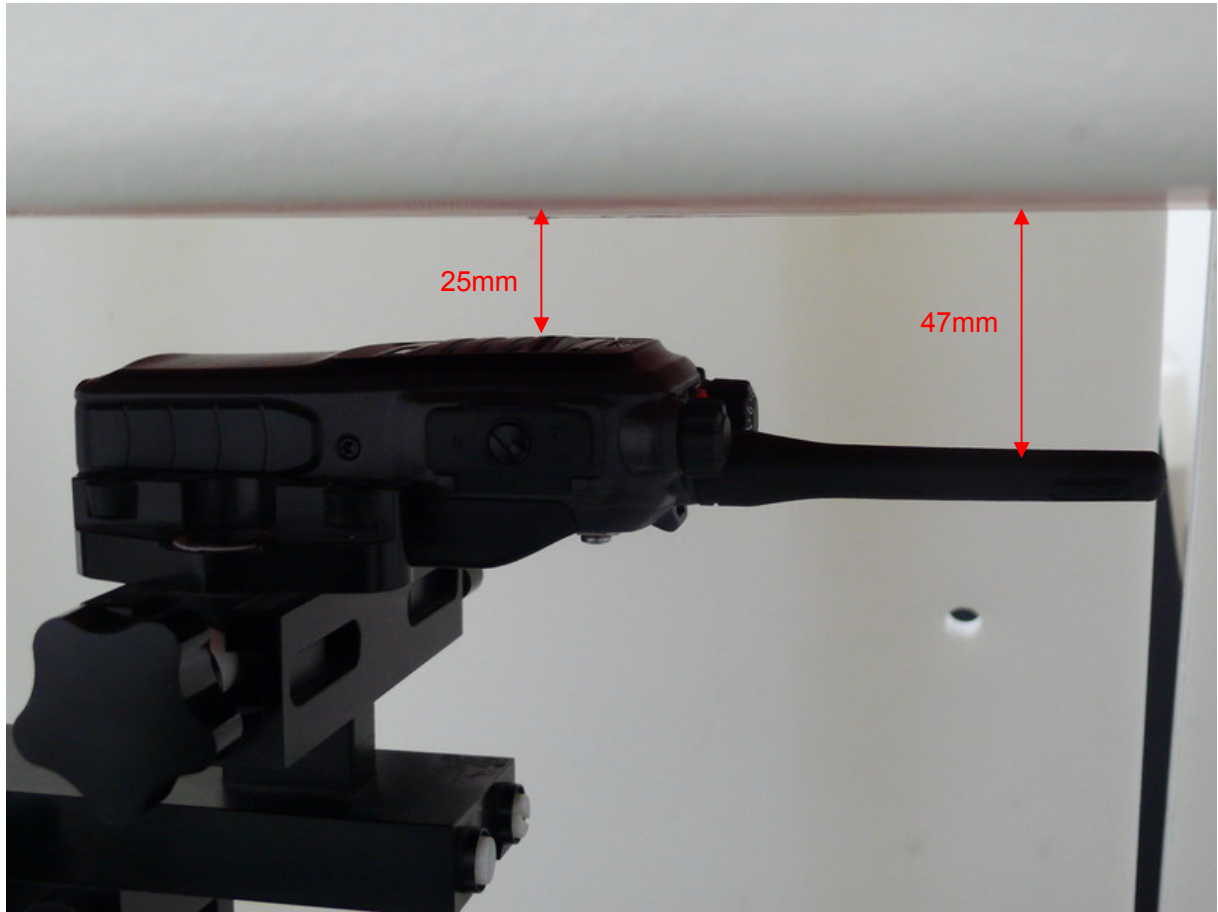


Picture 3-11: Audio Accessory 4

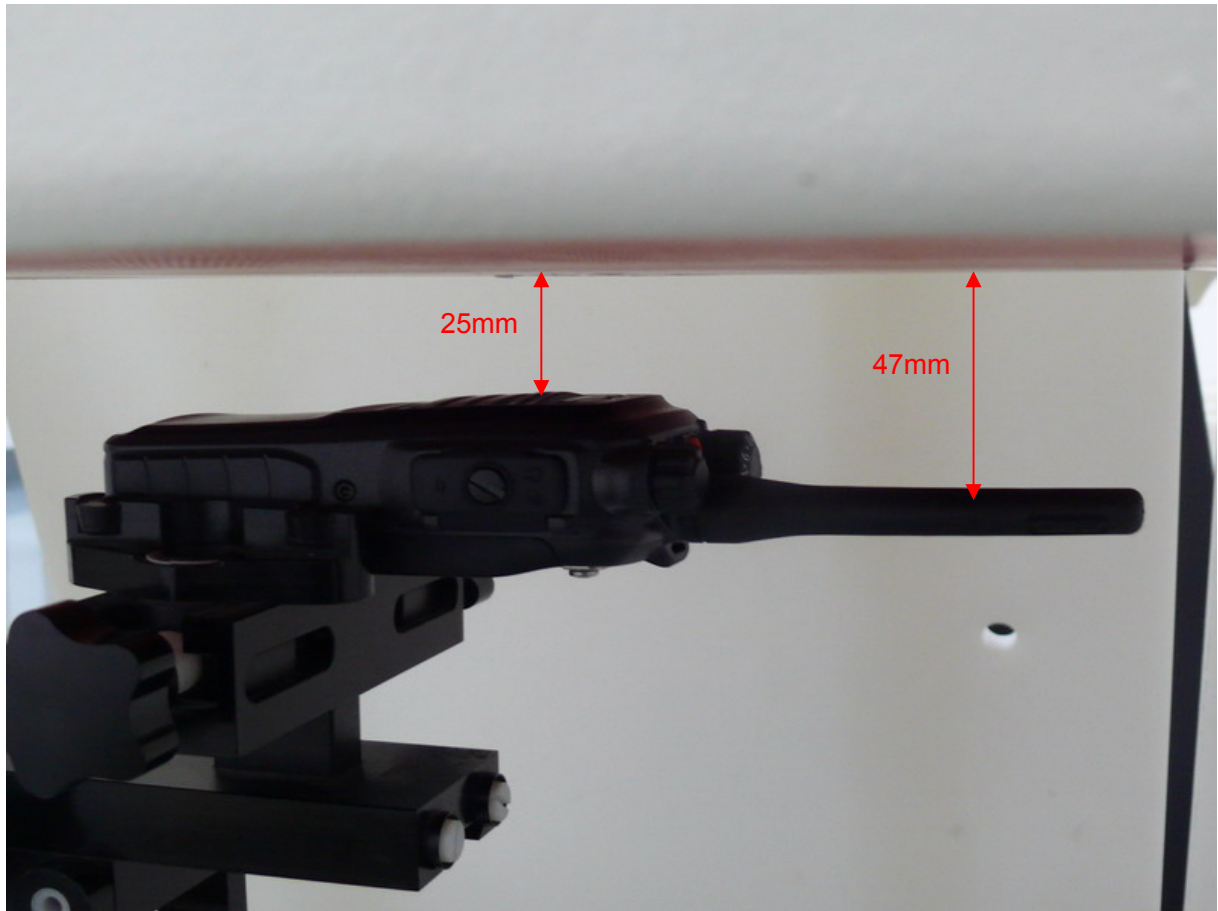


Picture 3-12: Audio Accessory 5

Picture 3: Constituents of the sample



Picture 4: Face-held with Thicker Battery, the front of the EUT towards phantom, the distance from EUT Antenna to the bottom of the Phantom is 47mm



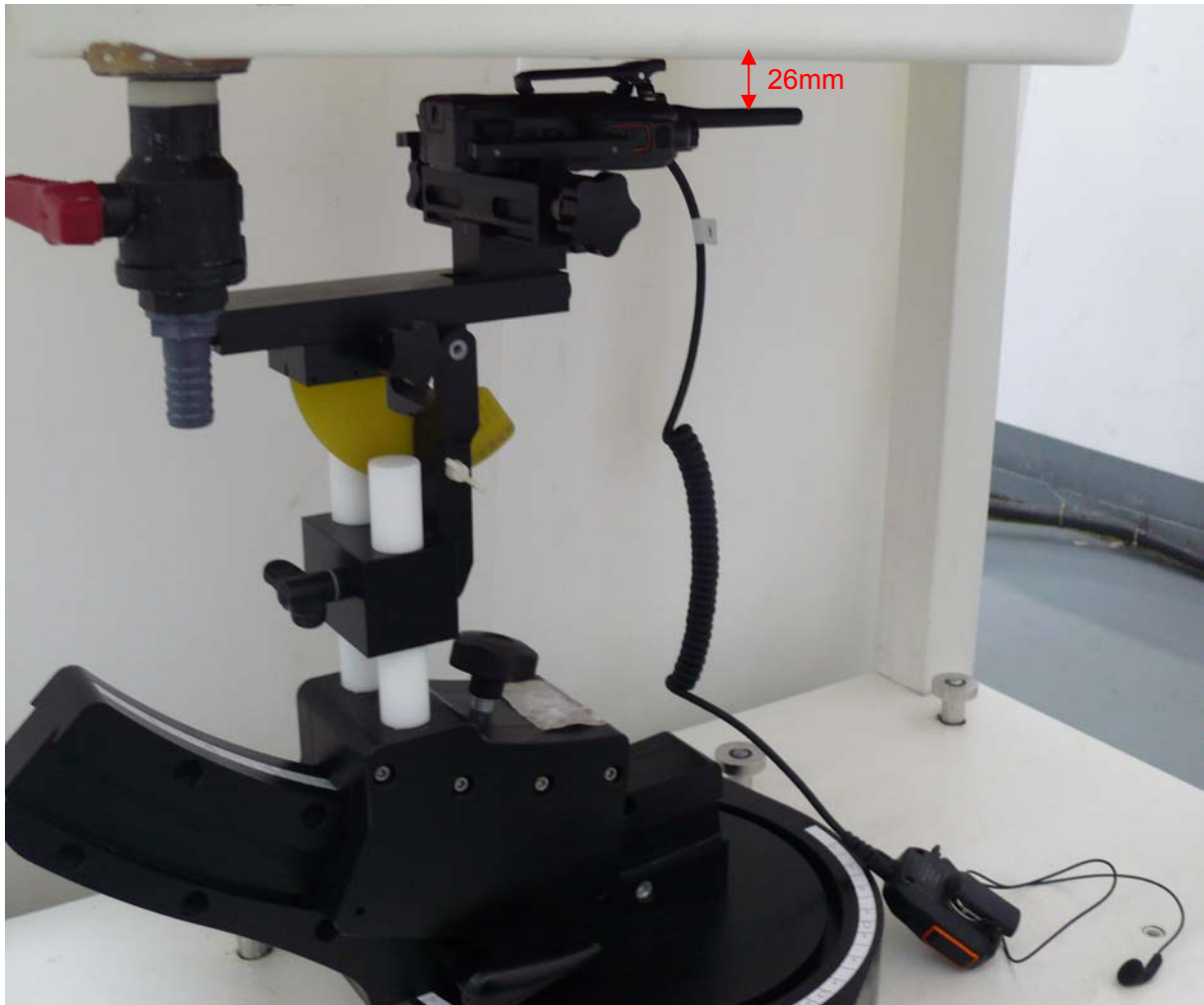
Picture 5: Face-held with Thinner Battery, the front of the EUT towards phantom, the distance from EUT Antenna to the bottom of the Phantom is 47mm



Picture 6: Body-worn with Thinner Battery, Belt and Accessory 1, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 26mm



Picture 7: Body-worn with Thinner Battery, Belt, Accessory 1 and Earphone 1, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 26mm



Picture 8: Body-worn with Thinner Battery, Belt, Accessory 1 and Earphone 2, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 26mm



Picture 9: Body-worn with Thinner Battery, Belt and Audio Accessory 2, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 26mm



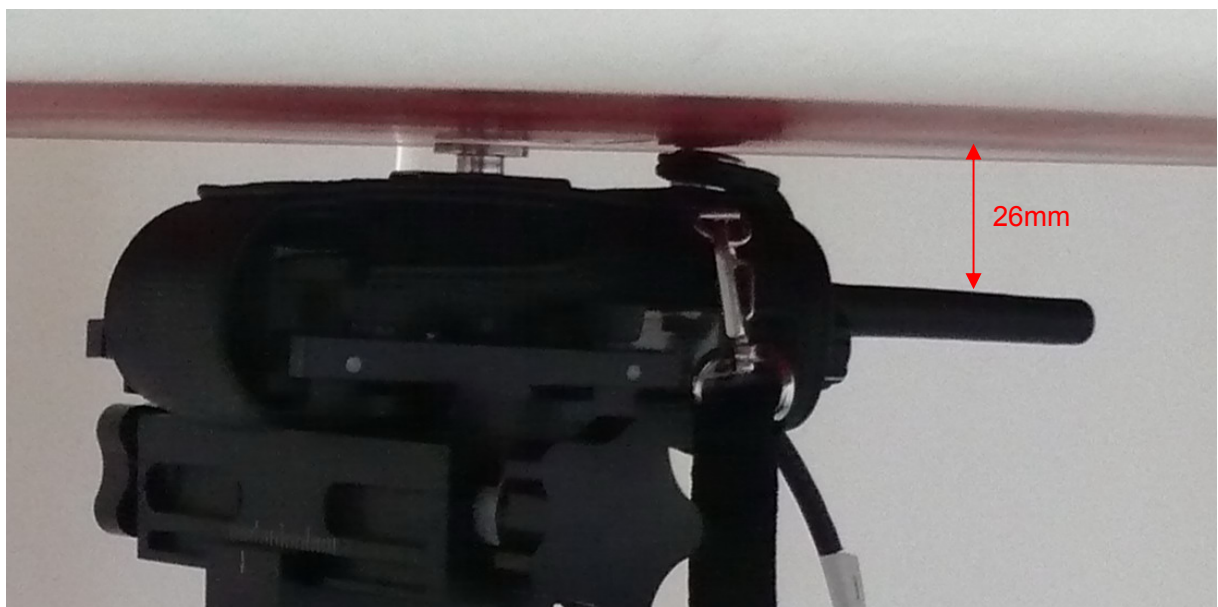
Picture 10: Body-worn with Thinner Battery, Belt and Audio Accessory 3, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 26mm



Picture 11: Body-worn with Thinner Battery, Belt and Audio Accessory 4, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 26mm



Picture 12: Body-worn with Thinner Battery, Belt and Audio Accessory 5, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 26mm



Picture 13: Body-worn with Thinner Battery, Pocket and Accessory 1, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 26mm



Picture 14: Body-worn with Thinner Battery, Pocket, Leather and Accessory 1, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 37mm



Picture 15: Body-worn with Thicker Battery, Belt and Accessory 1, the front of the EUT towards ground, the distance from EUT Antenna to the bottom of the Phantom is 24mm