



FCC Test Report

Report No: FCS202509126H01

Issued for

Applicant:	Adam Elements International Co., LTD.
Address:	8F.-5, No. 148, Sec. 4, Zhongxiao E. Rd., Da'an Dist., Taipei City 106, Taiwan
Product Name:	Qi2 Ultra Slim Power Bank
Brand Name:	 ADAM
Model Name:	VIONTA Q5
Series Model:	N/A
FCC ID:	2ABY9VIONTA-Q5
Test Standard:	FCC CFR 47 PART 1, § 1.1310 KDB 680106 D01 Wireless Power Transfer v04
Issued By: Flux Compliance Service Laboratory Add: Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech Industrial, Song shan lake Dongguan Tel: 769-27280901 Fax:769-27280901 http://www.fcs-lab.com	

TEST RESULT CERTIFICATION

Applicant's Name: Adam Elements International Co., LTD.

Address: 8F.-5, No. 148, Sec. 4, Zhongxiao E. Rd., Da'an Dist., Taipei City 106, Taiwan

Manufacture's Name: Guangdong Yicheng Technology Co., Ltd

Address: Room1001, No. 247 Huaide Road, Humen Town, Dongguan City, Guangdong Province

Product Description

Product Name: Qi2 Ultra Slim Power Bank

Brand Name:  ADAM

Model Name.....: VIONTA Q5

Series Model: N/A

Test Standards: FCC CFR 47 PART 1, § 1.1310
KDB 680106 D01 Wireless Power Transfer v04

This device described above has been tested FCS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test.....:

Date (s) of performance of tests.: Sept. 05, 2025 ~ Sept. 11, 2025

Date of Issue: Sept. 11, 2025

Test Result: Pass

Tested by

:

Scott Shen

(Scott Shen)

Reviewed by

:

Duke Qian

(Duke Qian)

Approved by

:

Jack Wang

(Jack Wang)



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Revision History

Rev.	Issue Date	Effect Page	Contents
00	Sept. 11, 2025	ALL	Initial Issue

1. TEST FACTORY

Company Name:	Flux Compliance Service Laboratory
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FCC Test Firm Registration Number: 514908 Designation number: CN0127 A2LA accreditation number: 5545.01 CNAS: L15566	

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Qi2 Ultra Slim Power Bank
Trade Name	 ADAM
Model Name	VIONTA Q5
Series Model	N/A
Model Difference	N/A
Operation frequency	110.5kHz-205kHz, 360kHz
Modulation Technology	ASK
Antenna Type	Loop antenna
Antenna gain	0dBi
Power Supply	Input: DC 5V=3A, 9V=2A 12V=1.5A Output: Wireless: 5W / 7.5W / 10W / 15W USB-C: 5V=3A / 9V=2.22A / 12V=1.67A Wireless + USB-C: 5V=3A, 15W max
Hardware version number	V1.0
Software version number	V1.0
Connecting I/O Port(s)	Please refer to the User's Manual

3 TEST METHODOLOGY

3.1 Measuring Standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1091 RF exposure is calculated. According KDB680106 D01: KDB 680106 D01 Wireless Power Transfer v04.

3.2 Requirements

According to the item 3 of KDB 680106 D01v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

- (1) Mobile Device and Portable Device Configurations
- (2) Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz
- (3) The EUT H-field strengths is tested 2cm increments from 0 ~ 20 cm for all sides.

3.1 Limits

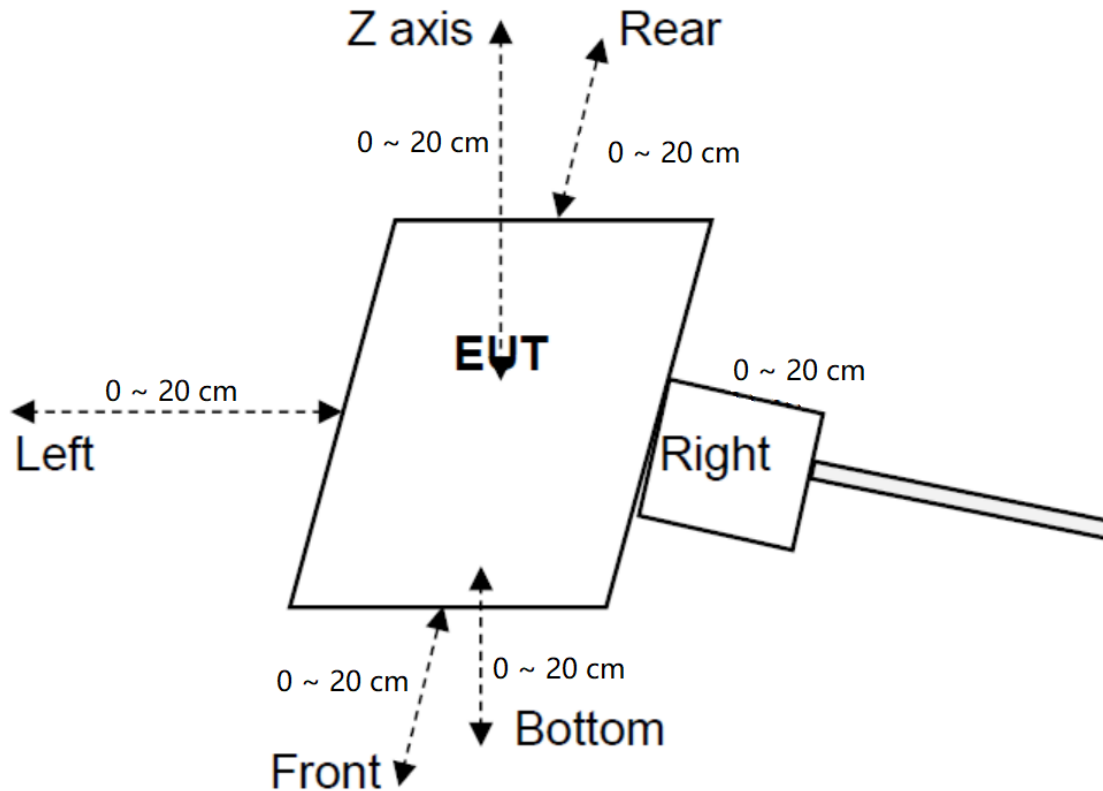
The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

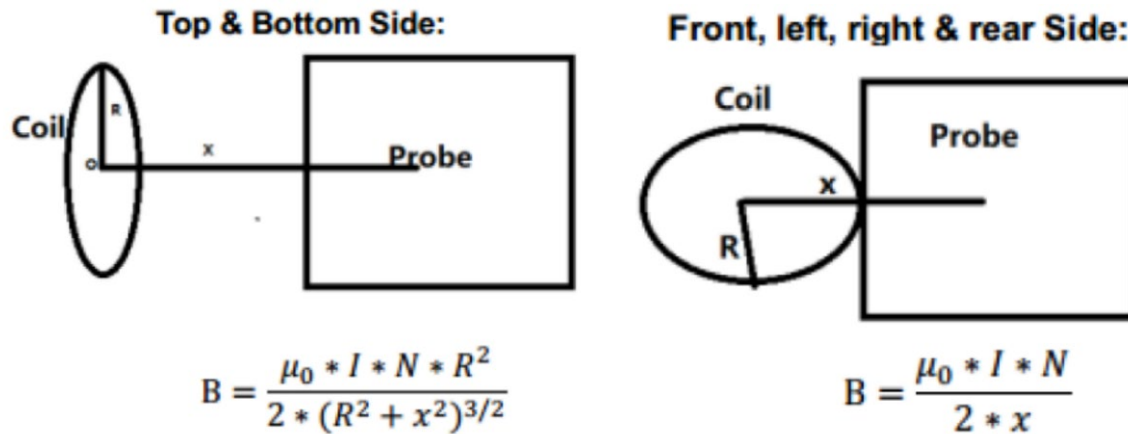
F=frequency in MHz
 *=Plane-wave equivalent power density
 RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

3.2 Test Setup



3.3 Test Procedure

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at test distance (2cm increments from 0 ~ 20 cm for all sides for portable mode) which is between the edge of the charger and the geometric edge of probe.
- 3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.
- 5) According to the requirements of KDB 680106 D01 v04, If the center of the probe sensing element is located more than 5mm from the probe outer surface, the field strengths need to be estimated through modeling for those positions that are not reachable. (The sensitive elements are located approximately 8 mm below the external surface specified in user manual of EHP-200A)
- 6) Use Biot-Savart Law, the value of 0/2/4 cm can be estimated through the results of 6 cm, according to the formula:



Remark:

B: H-field (Unit:T)

μ_0 : Space permeability = $4 * \pi * 10^{-7}$

I (Unit: A):The current element passing through a radiated coil

R: Radius of radiated coil, according to the coil specification: R=0.019m

X: The distance from the sensing elements of the probe to the edge of the radiated coil (the dimensions of EUT and load are take into account), (Unit: m)

N: Turns of the radiated coil, according to the coil specification: N=10.

For validation purposes: If the value to show a 30% agreement between the mode and the (E- and/or H-field) probemeasurements for the two closest points to the device surface, and with 2cm increments. Then this extrapolation method is reasonable.

4 Equipment Approval Considerations

The EUT does comply with KDB 680106 D01 as follow table.

Requirements of section 5 of KDB 680106 D01	Yes / No	Description
Mobile Device and Portable Device Configurations	Yes	Portable Device
Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz	Yes	The device operate in the frequency range 110.5kHz-125kHz, 360kHz
RF Exposure compliance may be ensured only for a minimum separation distance that is greater than 20 cm, while use conditions at smaller distances can still be considered unlikely.	No	The EUT H-field strengths is tested 2cm increments from 0 ~ 20 cm for all sides.

4.1 Description of the test mode

Equipment under test was operated during the measurement under the following conditions:

Test Mode	Description	
Mode 1	AC Adapter + EUT + phone (15W)	Record
Mode 2	AC Adapter + EUT + phone (10W)	Pre-tested
Mode 3	AC Adapter + EUT + phone (7.5W)	Pre-tested
Mode 4	AC Adapter + EUT + phone (5W)	Pre-tested
Mode 5	Test the EUT in idle mode.	Pre-tested
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

4.2 Peripheral List

No.	Equipment	Manufacturer	Model No.	Serial No.	Power cord	signal cable
1	Phone	OSCAL	PILOT2	N/A	N/A	N/A
2	Load	YBZ	15W	N/A	N/A	N/A

4.3 Test Instruments list

Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
Electric and Magnetic Field Analyzer	Narda	EHP-200A	180ZX10 505	20.06.2025	21.06.2026

Technical specifications of the EHP-200A Electric and Magnetic Field Analyzer

Table 1-1 Technical specifications of the EHP-200A Electric and Magnetic Field Analyzer				
	Electric Field	Magnetic Field Mode A	Magnetic Field Mode B	AUX Input
Frequency range	9 kHz ÷ 30 MHz	9 kHz ÷ 3 MHz	300 kHz ÷ 30 MHz	9 kHz ÷ 30 MHz
Measurement range				
@10kHz RBW	0.1 ÷ 1000 V/m	30 mA/m ÷ 300 A/m	3 mA/m ÷ 30 A/m	-80 ÷ 0 dBm
with preamplifier ON	0.02 ÷ 200 V/m	6 mA/m ÷ 60 A/m	0.6 mA/m ÷ 6 A/m	-94 ÷ -14 dBm
Dynamic range	> 80 dB			
Measurement range	> 94 dB			
Resolution	0.01 V/m	1 mA/m	0.1 mA/m	0.01 dB
Sensitivity @10kHz RBW (*)	0.1 V/m	30 mA/m	3 mA/m	-80 dBm
with preamplifier ON	0.02 V/m	6 mA/m	0.6 mA/m	-94 dBm
Flatness	0.5 dB 9 kHz ÷ 30 MHz @ 20 V/m	0.8 dB 100 kHz ÷ 3 MHz @ 166 mA/m	0.8 dB 300 kHz ÷ 30 MHz @ 53 mA/m	0.4 dB 9 kHz ÷ 30 MHz @ -20dBm
Anisotropy @1MHz	0.8 dB			---
Reference frequency	< 25 ppm			
Linearity @1MHz	0.5 dB from FS to -60 dBFS			
SPAN	0 to FULL SPAN			
RBW	1 kHz – 3 kHz – 10 kHz – 30 kHz – 100 kHz – 300 kHz			
Rejection to E fields	---	> 20 dB		---
Rejection to H fields	> 20 dB	---		---
Calibration	internal E ² PROM			
Temperature error	0.02 dB/°C			
Dimensions	92 x 92 x 109 mm			
Weight	550 g			
Environmental protection	IP42			
Preamplifier	selectable ON/OFF, 14dB			
Units	V/m, A/m, uT, mW/cm ² , W/m ²			
Internal battery	3.7 V – 5.55 Ah Li-Ion, rechargeable			
Operation	> 12 hours			
Recharging time	< 8 hours			
External supply	10 ÷ 15 VDC, I = approx. 560 mA			
Optical fiber connection	up to 10 m (USB-OC) up to 80 m (8053-OC)			
Firmware updating	through the optical link			
Self test	automatic at power on			
Operating temperature	-10 ÷ +50°C			
Storage temperature	-20 ÷ +70°C			

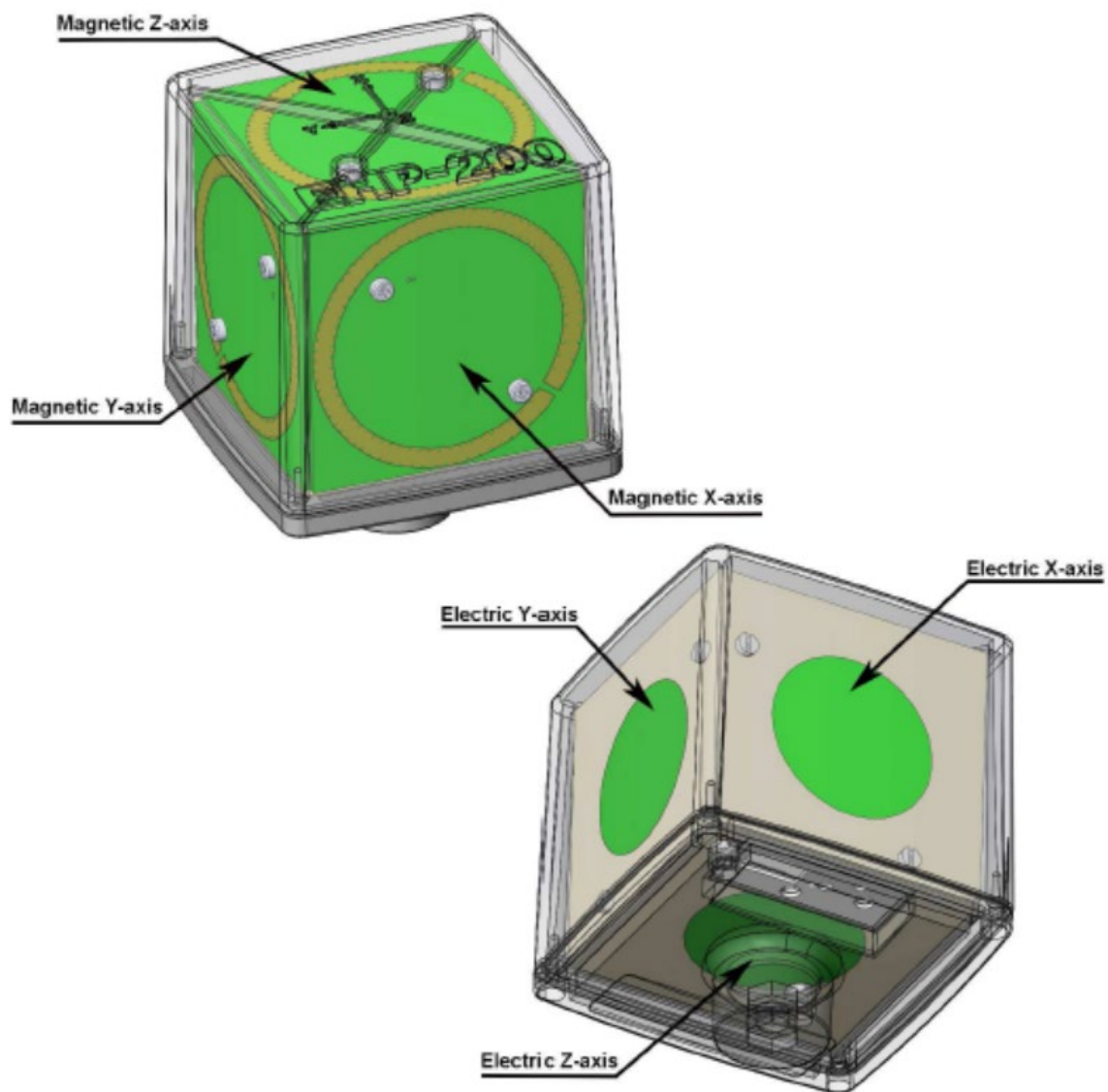


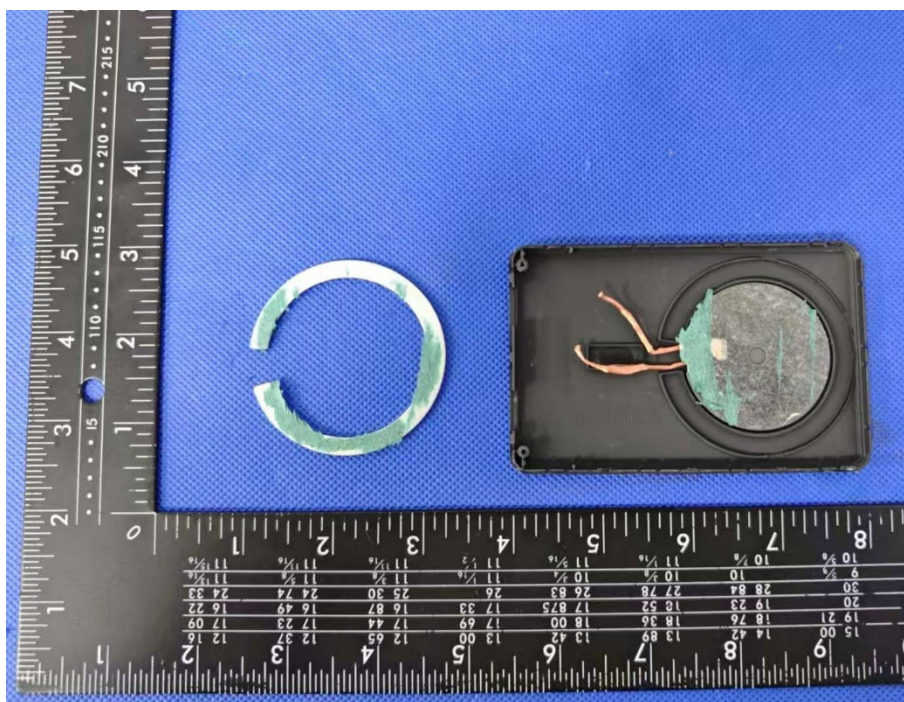
Fig. 1-4 EHP-200A/EHP-200AC axes

The sensitive elements are located approximately 8 mm below the external surface

4.4 Antenna to EUT Side

Unit: mm

TOP	Left	Right	Front	Rear	BOTTOM
1	10	10	22	10	9



Top view

4.5 Test Result

Note: <1%, 50%, >95% load all have been tested, only worse case (mode 1) is reported. H-Filed Strength at (distance 0cm to 20cm at 2cm iteration, i.e. at a distance of 20cm, 18cm, 16cm, ... 0cm, Which is between the edge of the charger and the center of probe,) surrounding the EUT (A/m)

Test Distance (cm)	Top (A/m)	Left (A/m)	Right (A/m)	Front (A/m)	Back (A/m)	Bottom (A/m)	Conclusion
6cm(measured)	0.0374	0.0212	0.0211	0.0210	0.0211	0.0383	Compliance (Within 30%)
6cm(estimated)	0.0508	0.0257	0.0273	0.0254	0.0262	0.0463	
Agreement-2cm	23.01%	16.10%	22.10%	15.32%	18.61%	16.78%	

Test Distance (cm)	Top (A/m)	Left (A/m)	Right (A/m)	Front (A/m)	Back (A/m)	Bottom (A/m)	Conclusion
8cm(measured)	0.0230	0.0141	0.0140	0.0130	0.0134	0.0225	Compliance (Within 30%)
8cm(estimated)	0.0292	0.0167	0.0175	0.0178	0.0181	0.0279	
Agreement-2cm	20.93%	14.22%	18.64%	25.84%	25.60%	18.87%	

Test Distance (cm)	Measured H-Field Strength Values (A/m)						Limit (A/m)
	Top (A/m)	Left (A/m)	Right (A/m)	Front (A/m)	Back (A/m)	Bottom (A/m)	
6	0.0374	0.0212	0.0211	0.0210	0.0211	0.0383	1.63
8	0.0230	0.0141	0.0140	0.0130	0.0134	0.0225	
10	0.0155	0.0101	0.0101	0.0103	0.0105	0.0155	
12	0.0147	0.0097	0.0099	0.0097	0.0095	0.0141	
14	0.0141	0.0092	0.0093	0.0090	0.0084	0.0132	
16	0.0135	0.0081	0.0088	0.0082	0.0085	0.0128	
18	0.0127	0.0085	0.0084	0.0085	0.0081	0.0124	
20	0.0121	0.0081	0.0077	0.0079	0.0075	0.0116	

Test Distance (cm)	Estimated H-Field Strength Values (A/m)						Limit (A/m)
	Top (A/m)	Left (A/m)	Right (A/m)	Front (A/m)	Back (A/m)	Bottom (A/m)	
0	1.4160	0.5731	1.3504	1.3448	1.3504	1.5104	1.63
2	0.4294	0.1238	0.1688	0.1681	0.1688	0.3368	
4	0.1057	0.0451	0.0500	0.0498	0.0500	0.0967	

4.6 Test Setup photo

Front



Left



Rear



Right



Top



Bottom



End of report