



Test Report

FCC ID: 2BS5G-S1BOOST10XUTR

Applicant: Dongguan League Electronic Technology Co., Ltd
Address: Building 5, No. 30 Daguang Road, Huangjiang Town Dongguan City, Guangdong Province, China
Manufacturer: Dongguan League Electronic Technology Co., Ltd
Address: Building 5, No. 30 Daguang Road, Huangjiang Town Dongguan City, Guangdong Province, China
Product Name: WIRELESS SPEAKER
Trade Mark: N/A
Model Number: Boost10X Ultra
Date of Receipt: Jun. 29, 2026
Test Date: Jun. 29, 2026 - Jul. 24, 2026
Date of Report: Jul. 24, 2026
Prepared By: Shenzhen DL Testing Technology Co., Ltd.
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Prepared (Engineer): Ken Tan
Reviewer (Supervisor): Jack Bu
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This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.



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Test Result Certification	
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Manufacturer:	Dongguan League Electronic Technology Co., Ltd
Address:	Building 5, No. 30 Daguang Road, Huangjiang Town Dongguan City, Guangdong Province, China
Product description	
Product name:	WIRELESS SPEAKER
Trademark:	N/A
Model name:	Boost10X Ultra
Series Model:	N/A
Standards:	FCC CFR 47 PART 1, § 1.1310 FCC CFR 47 PART 2, § 2.1093
Test method:	KDB 680106 D01 Wireless Power Transfer v04
Date of Test	
Date of test:	Jun. 29, 2026 - Jul. 24, 2026
Test result:	Pass



1 General Description

1.1 Description of the EUT

Product Name:	WIRELESS SPEAKER
Trade Mark:	N/A
Model No.:	Boost10X Ultra
Series Model:	N/A
Model difference:	N/A
Electrical rating:	DC 5V from type-c DC 7.4V from battery Wireless Output: 15W/10W/7.5W/5W
Accessories:	/
RF specification:	
Operation frequency:	115-205kHz
Modulation type:	MSK
Antenna type:	Coil

1.2 Description of test modes

All the test modes were carried out with the EUT in normal operation, the final test mode of the EUT was the worst test mode for emission test, which was shown in this report and defined as:

No.	Emission test modes
Mode1	Wireless Phone Output Mode(5W)
Mode2	Wireless Phone Output Mode(7.5W)
Mode3	Wireless Phone Output Mode(10W)
Mode4	Wireless Phone Output Mode(15W)
Mode5	Stanby mode

Note: 1. We have evaluated 1%, 50% and 99% battery charging mode, and the worst mode (99%) is showed in this report.

2. All modes have been tested, and the report only shows the results of the worst mode15.



1.3 Description of support units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support equipment list			
Description	Model	Serial No.	Manufacturer
Adapter (Provide by test lab)	MDY-14-EU	/	XIAOMI
Mobile phone (Provide by test lab)	Galaxy S21 5G	/	SAMSUNG

2 Measurement uncertainty

Parameter	Expanded Uncertainty
Magnetic field measurement (9kHz~30MHz)	$\pm 7.8\%$
Electric field measurements (9kHz~30MHz)	$\pm 7.8\%$

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.



3 Test facilities and accreditations

3.1 Test laboratory

Test laboratory:	Shenzhen DL Testing Technology Co., Ltd.
Test site location:	101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China
FCC Test Firm Registration Number:	854456
Designation Number:	CN1307
IC Registered No.:	27485
CAB ID.:	CN0118



4 List of test equipment

Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
Electric and Magnetic Field Probe – Analyzer	Narda	EHP-200A	101166	June. 24, 2026	June. 25, 2027



5 Test result

5.1 Requirement

§1.1310: 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), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

Table 1 to §1.1310(e)(1) - 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)
(i) Limits for Occupational/Controlled Exposure				
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
1500-100000			5	<6
(ii) 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
1500-100000			1.0	<30

f = frequency in MHz

* = Plane-wave equivalent power density

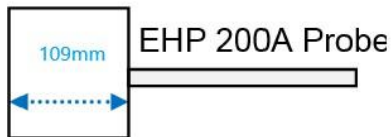
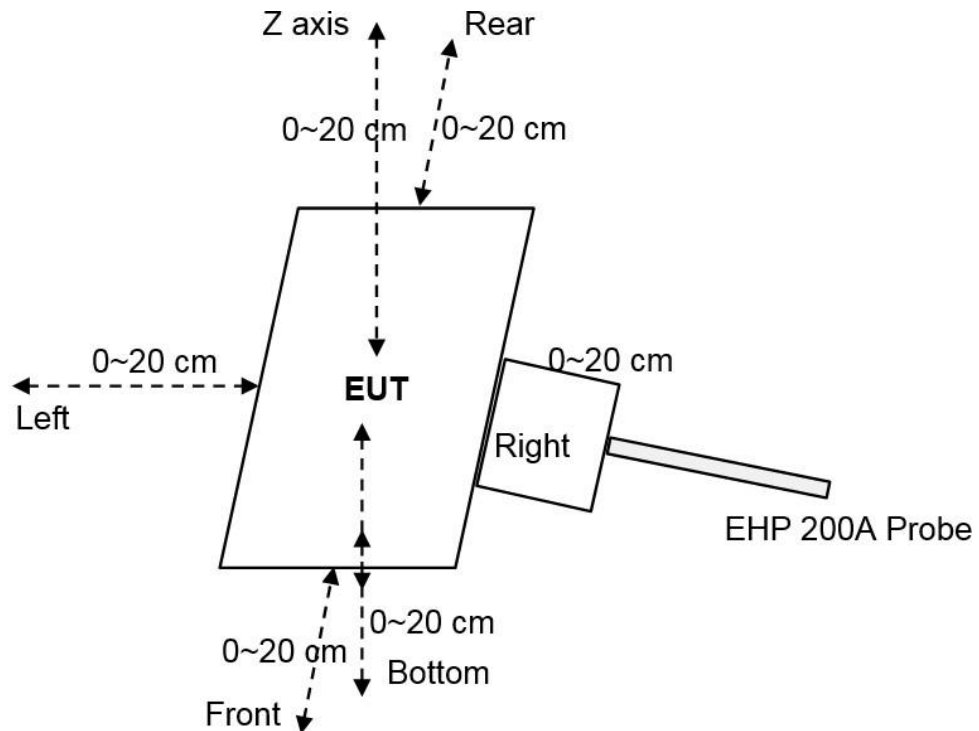
Note 1: Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

Note 2: General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.



5.2 Test setup

For portable exposure conditions:



Notes: The EHP 200A Probe has a diameter of 10.9cm and a radius of 5.45cm.



5.3 Test Procedures

For portable exposure conditions:

- a. The RF exposure test was performed in anechoic chamber.
- b. Perform H-field measurements for each edge/top surface of the host/client pair at every 2 cm, starting from as close as possible out to 20 cm
- c. The highest emission level was recorded and compared with limit.

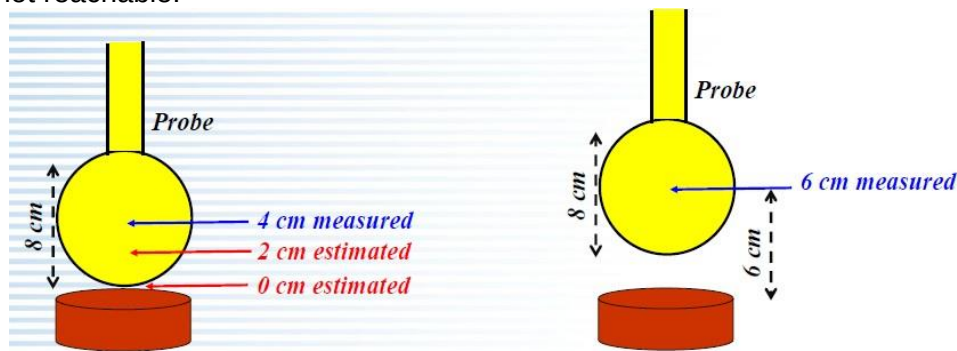
Notes: The EUT was setted to transmit continuously with the duty cycle of 100%.



5.4 Test results

For portable exposure condition: Note:

- (1). The portable test modes have covered the considerations of the mobile test, only record the test data of the portable conditions in this report.
- (2) Operating modes with client device (1 %, 50%, 99% battery status of client device) have been test, only show the data of worst case of 1% battery status of client device.
- (3) 20-2cm is the actual test value, and 0 cm, 2 cm, 4 cm is the estimated value.
- (4) Perform H-field/E-field measurements are taken along all three axes the device from 0cm~20cm in 2cm minimum increment for each edge surface of the host/client pair. If the center of the probe sensing element is more than 5mm from the probe outer edge, the field strengths need to be estimated for the positions that are not reachable.



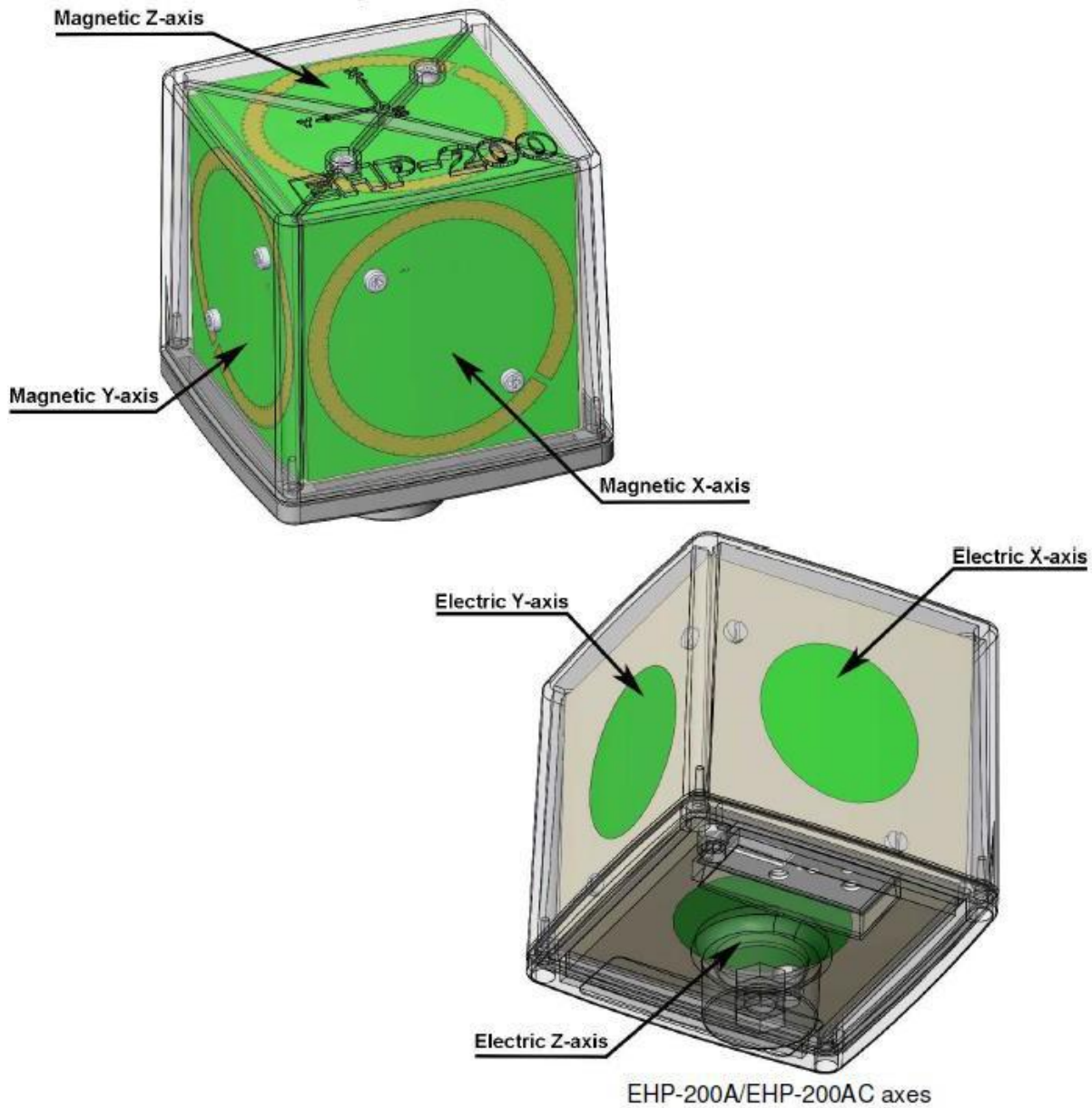
Example of probe measurements in points close to the device surface: estimates compared with measurements at 4 and 6 cm provide validation

According to Calibration information and specification about EHP-200A, The Probe EHP-200A's sensitive elements center are 8mm below the external surface, and the dimensions is 92x92x109mm. so the actual 0cm field strengths need to be estimated for the positions that are not reachable. The Extrapolated Value Calculation Method please below). And the result of test distance 2cm~20cm was measured value.

Probe	Length	Width	Height
	109mm	92mm	92mm



Note: EUT is a loop/coil emitting structure, so E-field not required. Just recorded the H-field value.



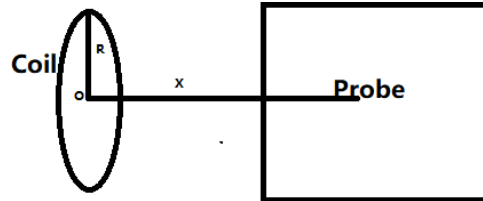
The sensitive elements are located approximately 8 mm below the external surface



(5) Estimated method for portable RF Exposure condition:

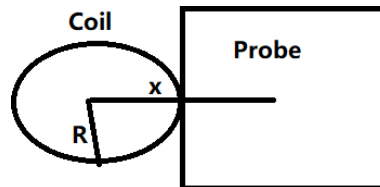
We use Biot-Savart formula theory to estimate the strength of the magnetic field that the measuring instrument cannot measure. According to Biot-Savart formula:

Top & Bottom Side:



$$B = \frac{\mu_0 * I * N * R^2}{2 * (R^2 + x^2)^{3/2}}$$

Front, left, right & rear Side:



$$B = \frac{\mu_0 * I * N}{2 * x}$$

B: means H-field value;

μ_0 is space permeability; $\mu_0=4\pi*10^{-7}$;

I: A current element passing through a coil;

R: means the Radius of coil(According to provided Antenna specification: We can get the minimum $R=43.5/2=21.75\text{mm}=0.02175\text{m}$);

Test Distance: The distance from the sensing element of the probe to the edge of the device surface.

x: means the center of the coil to the sensing elements of the probe. (For top & bottom side: $x=\text{test distance}$; For other side: $x=\text{test distance}+R$)

N: Number of turns, according to providing "Antenna specification" files: $N=10$.



Transmitter to top: 44.8 ± 0.5 mm
Transmitter to Bottom: 119.5 ± 0.5 mm
Transmitter to Left: 76.5 ± 0.5 mm
Transmitter to Right: 76.5 ± 0.5 mm
Transmitter to Front: 29.5 ± 0.5 mm
Transmitter to Rear: 29.5 ± 0.5 mm

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

Note: The percent ratio of agreement is the difference between the estimated and measured values divided by the average of the estimated and measured values.

**Validation:**

Magnetic Field Emissions(Mode 1)							
Test Distance(cm)	Top	Left	Right	Rear	Front	Bottom	Conclusion
	Unit: Agreement (%); H-field (A/m)						
Agreement -6cm	1.06	7.48	1.53	6.36	2.03	1.81	Compliance (Within 30%)
6cm(estimated)	0.1335	0.1423	0.1323	0.1438	0.1259	0.1236	
6cm(measured)	0.1321	0.1324	0.1303	0.1352	0.1234	0.1214	

Magnetic Field Emissions(Mode 1)							
Test Distance(cm)	Top	Left	Right	Rear	Front	Bottom	Conclusion
	Unit: Agreement (%); H-field (A/m)						
Agreement -8cm	1.12	9.67	1.06	6.11	1.47	1.58	Compliance (Within 30%)
8cm(estimated)	0.1353	0.1441	0.1336	0.1423	0.1241	0.1223	
8cm(measured)	0.1338	0.1314	0.1322	0.1341	0.1223	0.1204	



Test condition 1: Mode5 operating mode with client device (1 % battery status of client device)
- Test distance 6cm

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.1321	1.63	8.05%
	Left	0.1324		
	Right	0.1303		
	Front	0.1234		
	Rear	0.1352		
	Bottom	0.1214		

Test condition 2: Mode5 operating mode with client device (1 % battery status of client device)
- Test distance 8cm

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.1338	1.63	8.05%
	Left	0.1314		
	Right	0.1322		
	Front	0.1223		
	Rear	0.1341		
	Bottom	0.1204		



Test condition 3: Mode5 operating mode with client device (1 % battery status of client device)
- Test distance 10cm

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.0141	1.63	2.20%
	Left	0.0123		
	Right	0.0341		
	Front	0.0223		
	Rear	0.0358		
	Bottom	0.0241		

Test condition 4: Mode5 operating mode with client device (1 % battery status of client device)
- Test distance 12cm

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.0223	1.63	1.55%
	Left	0.0205		
	Right	0.0141		
	Front	0.0213		
	Rear	0.0252		
	Bottom	0.0133		

Test condition 5: Mode5 operating mode with client device (1 % battery status of client device)
- Test distance 14cm

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.0122	1.63	2.71%
	Left	0.0193		
	Right	0.0098		
	Front	0.0441		
	Rear	0.0136		
	Bottom	0.0428		

**Test condition 6: Mode5 operating mode with client device (1 % battery status of client device)****- Test distance 16cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.0141	1.63	2.84%
	Left	0.0463		
	Right	0.0225		
	Front	0.0313		
	Rear	0.0125		
	Bottom	0.0406		

Test condition 7: Mode5 operating mode with client device (1 % battery status of client device)**- Test distance 18cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.0225	1.63	2.54%
	Left	0.0273		
	Right	0.0414		
	Front	0.0216		
	Rear	0.0352		
	Bottom	0.0376		

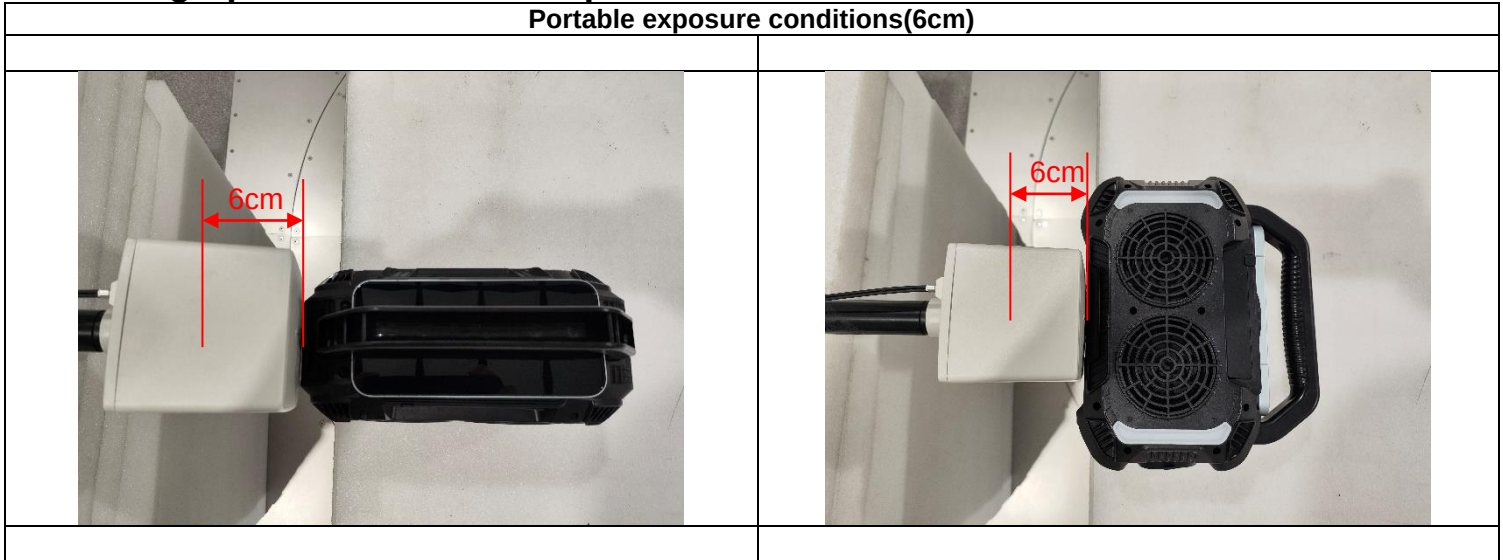
Test condition 8: Mode5 operating mode with client device (1 % battery status of client device)**- Test distance 20cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.0314	1.63	2.49%
	Left	0.0123		
	Right	0.0252		
	Front	0.0406		
	Rear	0.0252		
	Bottom	0.0211		



Photographs of the Test Setup

Portable exposure conditions(6cm)



Photographs of the EUT

See the Appendix - EUT Photos.

----End of Report----