



FCC TEST REPORT

FCC ID:2BB8Q-Y31

Report Number.....: ZKT-2601060278E

Date of Test..... Jan. 29, 2026 to Jan. 30, 2026

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Test Result: PASS

Testing Laboratory.....: Shenzhen ZKT Technology Co., Ltd.

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Applicant's name: Shenzhen Yixing Electronic Technology Co., Ltd.

Address: 7th Floor, Building 5, Baokun Industrial Zone, Dalang Street, Longhua New District, Shenzhen China

Manufacturer's name: Shenzhen Yixing Electronic Technology Co., Ltd.

Address: 7th Floor, Building 5, Baokun Industrial Zone, Dalang Street, Longhua New District, Shenzhen China

Test specification:

Standard.....: KDB 680106 D01 V04

Test procedure.....: /

Non-standard test method: N/A



Product Name:	7-IN-1 Wireless Charger
Trade Mark:	N/A
Model No.:	Y31
Serial No.:	N/A
Model Difference:	N/A
Hardware Version:	V 1.0
Software Version:	V 1.0
Operation Frequency:	ANT 1&2&3: 112kHz ~ 205kHz ANT 4&5: 300kHz ~ 350kHz
Modulation Type:	FSK
Antenna Type:	Loop Coil Antenna
Antenna Gain:	0dBi
Power Supply:	Input: 12V---3A Wireless charging output:15W/10W/7.5W/5W Earphone Output:5W MAX Watch Power:3W MAX
Transmitting Mode:	Keep the EUT in continuously wireless charging mode



Test Modes:	Test Coil:	Description:
Mode 1 Mode 2 Mode 3	ANT 1	AC/DC Adapter (12V/3A) + EUT + Phone 1 (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Phone 1 (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Phone 1 (Battery Status: >98%)
Mode 4 Mode 5 Mode 6	ANT 2	AC/DC Adapter (12V/3A) + EUT + Phone 2 (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Phone 2 (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Phone 2 (Battery Status: >98%)
Mode 7 Mode 8 Mode 9	ANT 3	AC/DC Adapter (12V/3A) + EUT + Headphone (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Headphone (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Headphone (Battery Status: >98%)
Mode 10 Mode 11 Mode 12	ANT 4	AC/DC Adapter (12V/3A) + EUT + Watch 1 (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Watch 1 (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Watch 1 (Battery Status: >98%)
Mode 13 Mode 14 Mode 15	ANT 5	AC/DC Adapter (12V/3A) + EUT + Watch 2 (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Watch 2 (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Watch 2 (Battery Status: >98%)
Mode 16 Mode 17 Mode 18	ANT 1+2	AC/DC Adapter (12V/3A) + EUT + Phone 1 + Phone 2 (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Phone 1 + Phone 2 (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Phone 1 + Phone 2 (Battery Status: >98%)
Mode 19 Mode 20 Mode 21	ANT 1+3	AC/DC Adapter (12V/3A) + EUT + Phone 1 + Headphone (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Phone 1 + Headphone (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Phone 1 + Headphone (Battery Status: >98%)
Mode 22 Mode 23 Mode 24	ANT 1+4	AC/DC Adapter (12V/3A) + EUT + Phone 1 + Watch 1 (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Phone 1 + Watch 1 (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Phone 1 + Watch 1 (Battery Status: >98%)
Mode 25 Mode 26 Mode 27	ANT 1+5	AC/DC Adapter (12V/3A) + EUT + Phone 1 + Watch 2 (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Phone 1 + Watch 2 (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Phone 1 + Watch 2 (Battery Status: >98%)
Mode 28 Mode 29 Mode 30	ANT 2+3	AC/DC Adapter (12V/3A) + EUT + Phone 2 + Headphone (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Phone 2 + Headphone (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Phone 2 + Headphone (Battery Status: >98%)
Mode 31 Mode 32 Mode 33	ANT 2+4	AC/DC Adapter (12V/3A) + EUT + Phone 2 + Watch 1 (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Phone 2 + Watch 1 (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Phone 2 + Watch 1 (Battery Status: >98%)
Mode 34 Mode 35 Mode 36	ANT 2+5	AC/DC Adapter (12V/3A) + EUT + Phone 2 + Watch 2 (Battery Status: <1%) AC/DC Adapter (12V/3A) + EUT + Phone 2 + Watch 2 (Battery Status: 50%) AC/DC Adapter (12V/3A) + EUT + Phone 2 + Watch 2 (Battery Status: >98%)



Mode 37	ANT 3+4	AC/DC Adapter (12V/3A) + EUT + Headphone + Watch 1 (Battery Status: <1%)
Mode 38		AC/DC Adapter (12V/3A) + EUT + Headphone + Watch 1 (Battery Status: 50%)
Mode 39		AC/DC Adapter (12V/3A) + EUT + Headphone + Watch 1 (Battery Status: >98%)
Mode 40	ANT 3+5	AC/DC Adapter (12V/3A) + EUT + Headphone + Watch 2 (Battery Status: <1%)
Mode 41		AC/DC Adapter (12V/3A) + EUT + Headphone + Watch 2 (Battery Status: 50%)
Mode 42		AC/DC Adapter (12V/3A) + EUT + Headphone + Watch 2 (Battery Status: >98%)
Mode 43	ANT 4+5	AC/DC Adapter (12V/3A) + EUT + Watch 1 + Watch 2 (Battery Status: <1%)
Mode 44		AC/DC Adapter (12V/3A) + EUT + Watch 1 + Watch 2 (Battery Status: 50%)
Mode 45		AC/DC Adapter (12V/3A) + EUT + Watch 1 + Watch 2 (Battery Status: >98%)
Mode 46	ANT 1+2+3+4+5	AC/DC Adapter (12V/3A) + EUT + Phone 1 + Phone 2 + Headphone + Watch 1+ Watch 2 (Battery Status: <1%)
Mode 47		AC/DC Adapter (12V/3A) + EUT + Phone 1 + Phone 2 + Headphone + Watch 1+ Watch 2 (Battery Status: 50%)
Mode 48		AC/DC Adapter (12V/3A) + EUT + Phone 1 + Phone 2 + Headphone + Watch 1+ Watch 2 (Battery Status: >98%)



1 Measuring Standard

1.1 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 KDB 680106 D01 Wireless Power Transfer v04.

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	H-filed	$\pm 0.93\text{dB}$
2	E-filed	$\pm 0.51\text{dB}$

2.1 Requirements

The EUT does comply with item 5.2 of KDB 680106 D01 V04:

a) The power transfer frequency is below 1 MHz.

Yes. The device operates in the frequency from ANT 1&2&3 is 112kHz to 205kHz, ANT 3&4 is 300-350kHz.

b) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.

Yes, The maximum output power of the primary coil is 15watts.

c) A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact).

Yes. Client device is placed directly in contact with the transmitter.

d) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).

Yes, the EUT is a Mobile Wireless Charger.

e) The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures

Yes. The EUT coil is evaluated at maximum output power and the test results are less than 50% of the limit.

f) For systems with more than one radiating structure, the conditions specified in (e) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. .

Yes, the EUT has five coil, all test modes met the conditions specified in (e).



2.2 Limits

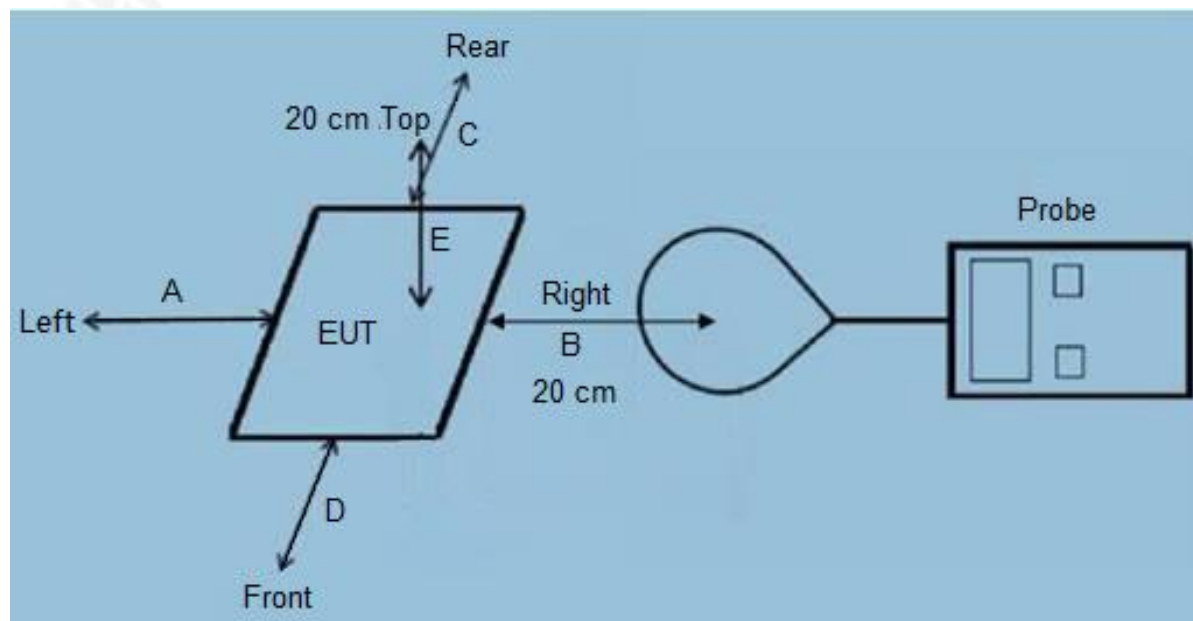
The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

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).

2.3 Test Setup





3 Test Procedure

- 1) The RF exposure test was performed on 360 degree turn table in anechoic chamber.
- 2) The measurement probe was placed at test distance (20 cm and above from all sides and Top) which is between the edge of the charger and the geometric centre of probe.
- 3) The turn table was rotated 360d degree to search of highest strength.
- 4) The highest emission level was recorded and compared with limit as soon as measurement of each points were completed.
- 5) The EUT were measured according to the dictates of KDB 680106 D01 V04.

4. Test instrument and equipment list

4.1 Test Instruments list

Test Equipment	Manufacturer	Model No.	SN.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
Exposure Level Tester	Narda	ELT-400	180ZX10220	Sep. 29, 2025	Sep. 28, 2026
Magnetic field probe 100cm ²	Narda	ELT probe 100cm ²	M0675	Sep. 29, 2025	Sep. 28, 2026

4.2 Test auxiliary equipment list

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	7-IN-1 Wireless Charger	N/A	Y31	N/A	EUT
E-2	AC/DC Adapter	SAMSUNG	EP-T4510	N/A	Auxiliary
E-3	Phone 1	APPLE	iPhone 13 Pro	N/A	Auxiliary
E-4	Phone 2	APPLE	iPhone 13 Pro	N/A	Auxiliary
E-5	Headphone	ULTRA	WS85	N/A	Auxiliary
E-6	Watch 1	BASEUS	E3	N/A	Auxiliary
E-7	Watch 2	BASEUS	E3	N/A	Auxiliary



5 Test Result

Test Mode 1~3: H-Filed Strength at (distance from 20cm) surrounding the EUT (A/m):

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (uT)	Position Right (uT)	Position Rear (uT)	Position Front (uT)	Position Top (uT)
20	<1%	112~205	0.67	0.67	0.68	0.69	0.69
20	50%	112~205	0.57	0.57	0.59	0.57	0.56
20	>98%	112~205	0.47	0.46	0.49	0.47	0.46

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (A/m)	Position Right (A/m)	Position Rear (A/m)	Position Front (A/m)	Position Top (A/m)	50% Limits (A/m)	Limits (A/m)
20	<1%	112~205	0.54	0.54	0.54	0.55	0.55	0.815	1.63
20	50%	112~205	0.46	0.46	0.47	0.45	0.45	0.815	1.63
20	>98%	112~205	0.37	0.37	0.39	0.38	0.37	0.815	1.63

Test Mode 4~6: H-Filed Strength at (distance from 20cm) surrounding the EUT (A/m):

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (uT)	Position Right (uT)	Position Rear (uT)	Position Front (uT)	Position Top (uT)
20	<1%	112~205	0.69	0.67	0.67	0.67	0.69
20	50%	112~205	0.58	0.59	0.58	0.58	0.58
20	>98%	112~205	0.46	0.49	0.49	0.47	0.47

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (A/m)	Position Right (A/m)	Position Rear (A/m)	Position Front (A/m)	Position Top (A/m)	50% Limits (A/m)	Limits (A/m)
20	<1%	112~205	0.55	0.54	0.53	0.53	0.55	0.815	1.63
20	50%	112~205	0.46	0.47	0.46	0.47	0.47	0.815	1.63
20	>98%	112~205	0.37	0.39	0.39	0.37	0.38	0.815	1.63



Test Mode 7~9: H-Filed Strength at (distance from 20cm) surrounding the EUT (A/m):

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (uT)	Position Right (uT)	Position Rear (uT)	Position Front (uT)	Position Top (uT)
20	<1%	112~205	0.67	0.69	0.68	0.68	0.69
20	50%	112~205	0.57	0.57	0.59	0.59	0.57
20	>98%	112~205	0.48	0.49	0.49	0.47	0.47

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (A/m)	Position Right (A/m)	Position Rear (A/m)	Position Front (A/m)	Position Top (A/m)	50% Limits (A/m)	Limits (A/m)
20	<1%	112~205	0.54	0.55	0.55	0.55	0.55	0.815	1.63
20	50%	112~205	0.45	0.45	0.47	0.47	0.46	0.815	1.63
20	>98%	112~205	0.38	0.39	0.39	0.38	0.38	0.815	1.63

Test Mode 10~12: H-Filed Strength at (distance from 20cm) surrounding the EUT (A/m):

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (uT)	Position Right (uT)	Position Rear (uT)	Position Front (uT)	Position Top (uT)
20	<1%	300~350	0.32	0.30	0.31	0.30	0.32
20	50%	300~350	0.31	0.31	0.31	0.32	0.32
20	>98%	300~350	0.31	0.32	0.32	0.30	0.32

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (A/m)	Position Right (A/m)	Position Rear (A/m)	Position Front (A/m)	Position Top (A/m)	50% Limits (A/m)	Limits (A/m)
20	<1%	300~350	0.26	0.24	0.25	0.24	0.26	0.815	1.63
20	50%	300~350	0.25	0.25	0.25	0.25	0.22	0.815	1.63
20	>98%	300~350	0.25	0.26	0.25	0.24	0.25	0.815	1.63



Test Mode 13~15: H-Filed Strength at (distance from 20cm) surrounding the EUT (A/m):

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (uT)	Position Right (uT)	Position Rear (uT)	Position Front (uT)	Position Top (uT)
20	<1%	300~350	0.30	0.31	0.32	0.30	0.30
20	50%	300~350	0.33	0.31	0.32	0.33	0.32
20	>98%	300~350	0.32	0.33	0.32	0.32	0.33

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (A/m)	Position Right (A/m)	Position Rear (A/m)	Position Front (A/m)	Position Top (A/m)	50% Limits (A/m)	Limits (A/m)
20	<1%	300~350	0.24	0.25	0.26	0.24	0.24	0.815	1.63
20	50%	300~350	0.26	0.25	0.26	0.26	0.22	0.815	1.63
20	>98%	300~350	0.25	0.26	0.26	0.26	0.26	0.815	1.63

Test Mode 46~48:

H-Filed Strength at (distance from 20cm) surrounding the EUT (A/m):

distance (cm)	Battery Level:	Position Left (uT)	Position Right (uT)	Position Rear (uT)	Position Front (uT)	Position Top (uT)
20	<1%	0.97	0.94	0.95	0.96	0.93
20	50%	0.89	0.86	0.87	0.85	0.82
20	>98%	0.76	0.73	0.75	0.74	0.71

distance (cm)	Battery Level:	Position Left (A/m)	Position Right (A/m)	Position Rear (A/m)	Position Front (A/m)	Position Top (A/m)	50% Limits (A/m)	Limits (A/m)
20	<1%	0.78	0.75	0.76	0.77	0.74	0.815	1.63
20	50%	0.71	0.69	0.70	0.68	0.66	0.815	1.63
20	>98%	0.61	0.58	0.60	0.59	0.57	0.815	1.63

Note: A/m = uT/1.25

**Test Mode 1~3: E-Field strength at (distance from 20cm) surrounding the EUT (V/m):**

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (V/m)	Position Right (V/m)	Position Rear (V/m)	Position Front (V/m)	Position Top (V/m)	50% Limits (V/m)	Limits (V/m)
20	<1%	112~205	1.67	1.64	1.60	1.66	1.62	307	614
20	50%	112~205	1.54	1.52	1.52	1.55	1.52	307	614
20	>98%	112~205	1.44	1.43	1.42	1.45	1.41	307	614

Test Mode 4~6: E-Field strength at (distance from 20cm) surrounding the EUT (V/m):

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (V/m)	Position Right (V/m)	Position Rear (V/m)	Position Front (V/m)	Position Top (V/m)	50% Limits (V/m)	Limits (V/m)
20	<1%	112~205	1.69	1.67	1.64	1.63	1.62	307	614
20	50%	112~205	1.54	1.54	1.52	1.53	1.49	307	614
20	>98%	112~205	1.45	1.44	1.42	1.43	1.41	307	614

Test Mode 7~9: E-Field strength at (distance from 20cm) surrounding the EUT (V/m):

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (V/m)	Position Right (V/m)	Position Rear (V/m)	Position Front (V/m)	Position Top (V/m)	50% Limits (V/m)	Limits (V/m)
20	<1%	112~205	1.52	1.51	1.50	1.49	1.50	307	614
20	50%	112~205	1.41	1.43	1.45	1.40	1.39	307	614
20	>98%	112~205	1.35	1.34	1.34	1.34	1.34	307	614

Test Mode 10~12: E-Field strength at (distance from 20cm) surrounding the EUT (V/m):

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (V/m)	Position Right (V/m)	Position Rear (V/m)	Position Front (V/m)	Position Top (V/m)	50% Limits (V/m)	Limits (V/m)
20	<1%	300~350	1.44	1.45	1.42	1.40	1.42	307	614
20	50%	300~350	1.33	1.36	1.38	1.36	1.37	307	614
20	>98%	300~350	1.28	1.29	1.30	1.31	1.25	307	614

Test Mode 13~15: E-Field strength at (distance from 20cm) surrounding the EUT (V/m):

distance (cm)	Battery Level:	Frequency (kHz)	Position Left (V/m)	Position Right (V/m)	Position Rear (V/m)	Position Front (V/m)	Position Top (V/m)	50% Limits (V/m)	Limits (V/m)
20	<1%	300~350	1.46	1.44	1.42	1.39	1.41	307	614
20	50%	300~350	1.35	1.36	1.37	1.39	1.32	307	614
20	>98%	300~350	1.31	1.28	1.30	1.27	1.29	307	614



Test Mode 46~48: E-Field strength at (distance from 20cm) surrounding the EUT (V/m):

distance (cm)	Battery Level:	Position Left (V/m)	Position Right (V/m)	Position Rear (V/m)	Position Front (V/m)	Position Top (V/m)	50% Limits (V/m)	Limits (V/m)
20	<1%	1.88	1.87	1.86	1.89	1.83	307	614
20	50%	1.80	1.78	1.74	1.79	1.75	307	614
20	>98%	1.65	1.64	1.66	1.64	1.63	307	614



6 Test Set-up Photo

Probe	Length	Width	Radius
	11cm	11cm	5.5cm

Reference to the appendix III for details.

***** END OF REPORT *****