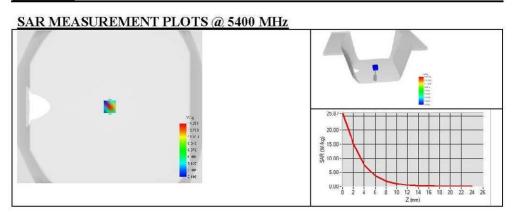
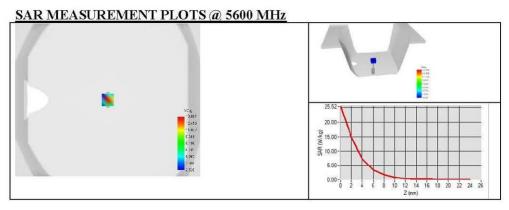


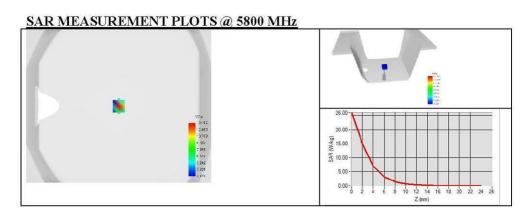


SAR REFERENCE DIPOLE CALIBRATION REPORT

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7.3 BODY LIQUID MEASUREMENT

Frequency MHz	Relative permittivity (s_r')		Conductivity (σ) S/m	
	required	measured	required	measured
5200	49.0 ±10 %	45.50	5.30 ±10 %	5.63
5300	48.9 ±10 %		5.42 ±10 %	
5400	48.7 ±10 %	44.78	5.53 ±10 %	5.95
5500	48.6 ±10 %		5.65 ±10 %	
5600	48.5 ±10 %	44.85	5.77 ±10 %	6.26
5800	48.2 ±10 %	44.45	6.00 ±10 %	6.58

7.4 SAR MEASUREMENT RESULT WITH BODY LIQUID

Software	ware OPENSAR V5		
Phantom	SN 13/09 SAM68		
Probe	SN 41/18 EPGO333		
Liquid	Body Liquid Values 5200 MHz: eps':45.50 sigma: 5.63 Body Liquid Values 5400 MHz: eps':44.78 sigma: 5.95 Body Liquid Values 5600 MHz: eps':44.85 sigma: 6.26 Body Liquid Values 5800 MHz: eps':44.45 sigma: 6.58		
Distance between dipole and liquid	10 mm		
Area scan resolution	dx=8mm/dy=8mm		
Zoon Scan Resolution	dx=4mm/dy=4m/dz=2mm		
Frequency	5200 MHz 5400 MHz 5600 MHz 5800 MHz		
Input power	20 dBm		
Liquid Temperature	20 +/- 1 °C		
Lab Temperature	20 +/- 1 °C		
Lab Humidity	30-70 %		

Frequency (MHz)	1 g SAR (W/kg)	10 g SAR (W/kg)	
***	measured	measured	
5200	73.02 (7.30)	20.58 (2.06)	
5400	77.86 (7.79)	21.85 (2.19)	
5600	79.90 (7.99)	22.73 (2.27)	
5800	71.90 (7.19)	20.50 (2.05)	

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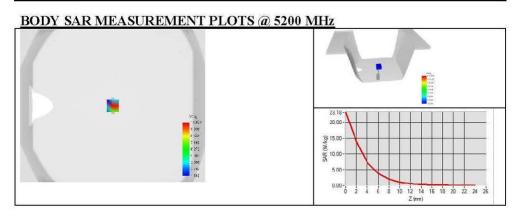
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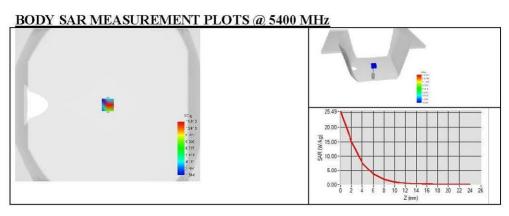


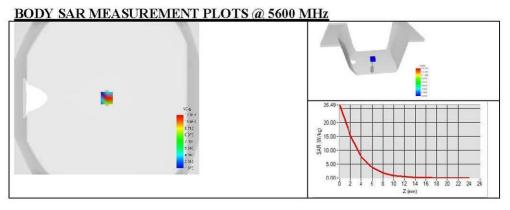


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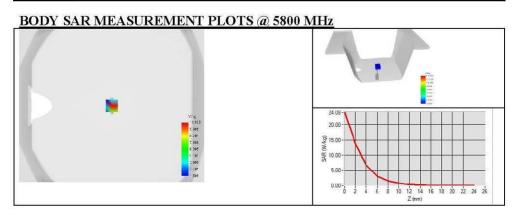
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8 LIST OF EQUIPMENT

Equipment Summary Sheet					
Equipment Description	Manufacturer / Model	Identification No.	Current Calibration Date	Next Calibration Date	
SAM Phantom	MVG	SN 13/09 SAM68	Validated. No cal required.	Validated. No cal required.	
COMOSAR Test Bench	Version 3	NA	Validated. No cal required.	Validated. No cal required.	
Network Analyzer	Rohde & Schwarz ZVM	100203	08/2021	08/2024	
Network Analyzer	Agilent 8753ES	MY40003210	10/2019	10/2022	
Network Analyzer – Calibration kit	Rohde & Schwarz ZV-Z235	101223	05/2019	05/2022	
Network Analyzer – Calibration kit	HP 85033D	3423A08186	06/2021	06/2027	
Calipers	Mitutoyo	SN 0009732	10/2019	10/2022	
Reference Probe	MVG	SN 41/18 EPGO333	10/2021	10/2022	
Multimeter	Keithley 2000	1160271	02/2020	02/2023	
Signal Generator	Rohde & Schwarz SMB	106589	04/2019	04/2022	
Amplifier	MVG	MODU-023-C-0002	Characterized prior to test. No cal required.	Characterized prior to test. No cal required.	
Power Meter	NI-USB 5680	170100013	06/2021	06/2024	
Power Meter	Rohde & Schwarz NRVD	832839-056	11/2019	11/2022	
Directional Coupler	Krytar 158020	131467	Characterized prior to test. No cal required.	Characterized prior to test. No cal required.	
Temperature / Humidity Sensor	Testo 184 H1	44225320	06/2021	06/2024	

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17. EUT Photographs

EUT Front View



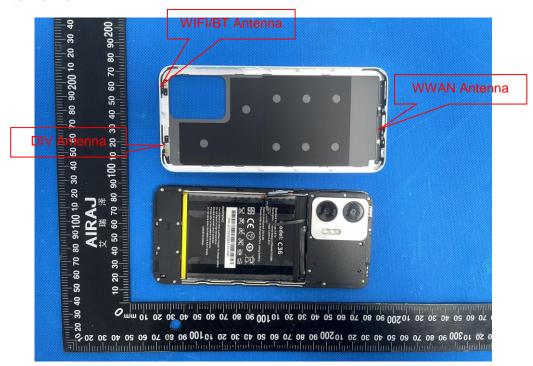
EUT Back View



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Antenna View



Antennas	Support Band	
WWAN	GSM 850+WCDMA Band 5+LTE Band 5/12/17 TX&RX	
DIV	GSM 1900+WCDMA Band 2/4+LTE Band 2/4/7 TX&RX	
BT/WIFI	BT+2.4G WIFI+5G WIFI	





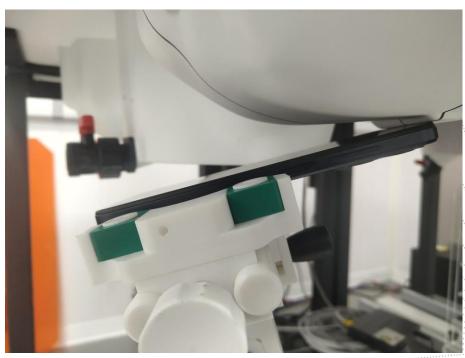
18. EUT Test Setup Photographs

Head mode Exposure Conditions

Left Cheek



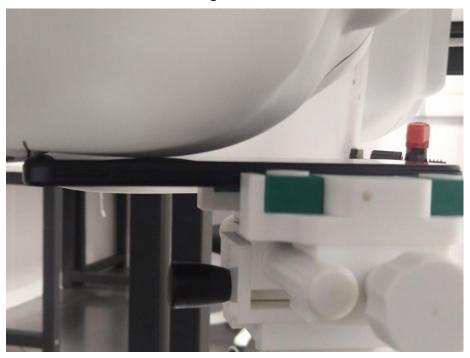
Left Tilt



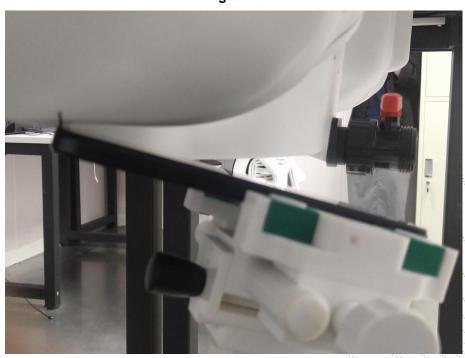
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Right Cheek



Right Tilt

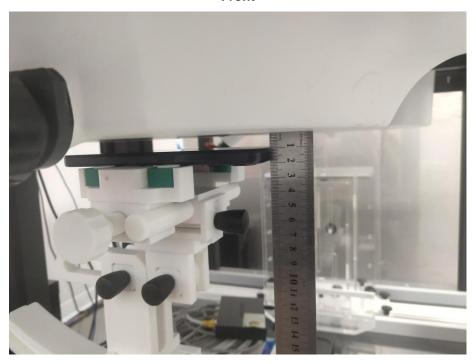


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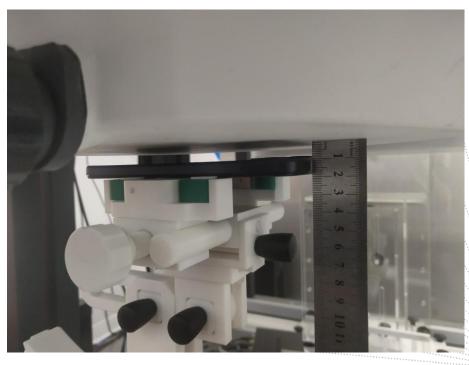


Body mode Exposure Conditions Test distance: 10mm

Front



Back



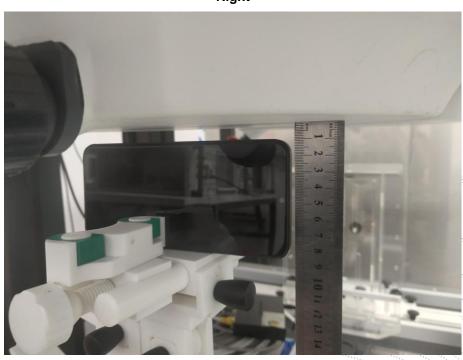
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Left



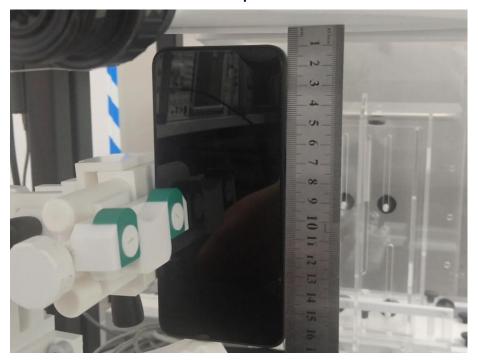
Right



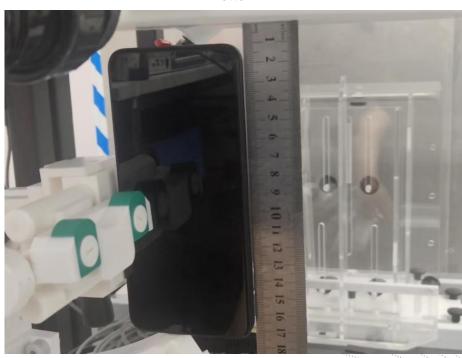
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Тор



Bottom



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STATEMENT

- 1. The equipment lists are traceable to the national reference standards.
- 2. The test report can not be partially copied unless prior written approval is issued from our lab.
- 3. The test report is invalid without the "special seal for inspection and testing".
- 4. The test report is invalid without the signature of the approver.
- 5. The test process and test result is only related to the Unit Under Test.
- 6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
- 7. The quality system of our laboratory is in accordance with ISO/IEC17025.
- 8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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P.C.: 518103

FAX: 0755-33229357

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**** END ****

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