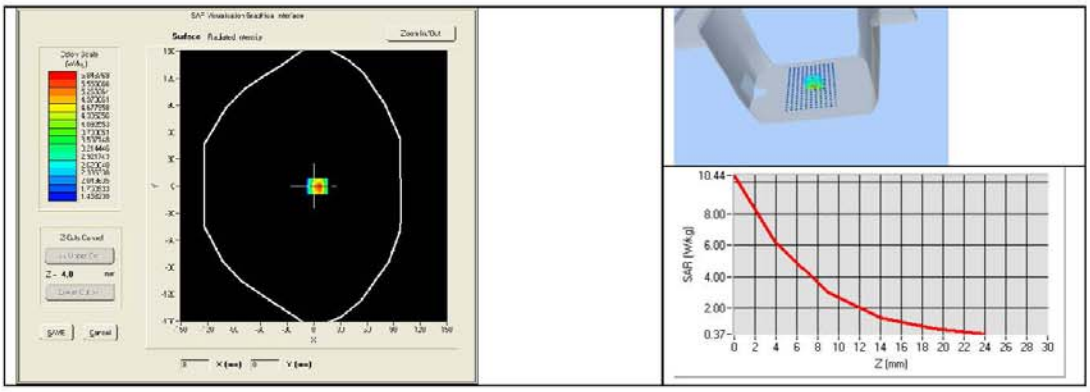
2300	52.9 ±5 %		1.81 ±5 %	
2450	52.7 ±5 %		1.95 ±5 %	
2600	52.5 ±5 %	PASS	2.16 ±5 %	PASS
3000	52.0 ±5 %		2.73 ±5 %	
3500	51.3 ±5 %		3.31 ±5 %	
3700	51.0 ±5 %		3.55 ±5 %	
5200	49.0 ±10 %		5.30 ±10 %	
5300	48.9 ±10 %		5.42 ±10 %	
5400	48.7 ±10 %		5.53 ±10 %	
5500	48.6 ±10 %		5.65 ±10 %	
5600	48.5 ±10 %		5.77 ±10 %	
5800	48.2 ±10 %		6.00 ±10 %	

7.4 SAR MEASUREMENT RESULT WITH BODY LIQUID

Software	OPENSAR V4
Phantom	SN 20/09 SAM71
Probe	SN 18/11 EPG122
Liquid	Body Liquid Values: eps' : 52.5 sigma : 2.23
Distance between dipole center and liquid	10.0 mm
Area scan resolution	dx=8mm/dy=8mm
Zoon Scan Resolution	dx=5mm/dy=5mm/dz=5mm
Frequency	2600 MHz
Input power	20 dBm
Liquid Temperature	21 °C
Lab Temperature	21 °C
Lab Humidity	45 %

Frequency MHz	1 g SAR (W/kg/W)	10 g SAR (W/kg/W)
	measured	measured
2600	55.20 (5.52)	24.62 (2.46)



8 LIST OF EQUIPMENT

Equipment Summary Sheet				
Equipment Description	**Manufacturer / Model**	**Identification No.**	**Current Calibration Date**	**Next Calibration Date**
SAM Phantom	MVG	SN-20/09-SAM71	Validated. No cal required.	Validated. No cal required.
COMOSAR Test Bench	Version 3	NA	Validated. No cal required.	Validated. No cal required.
Network Analyzer	Rhode & Schwarz ZVA	SN100132	02/2016	02/2019
Calipers	Carrera	CALIPER-01	01/2017	01/2020
Reference Probe	MVG	EPG122 SN 18/11	10/2017	10/2018
Multimeter	Keithley 2000	1188656	01/2017	01/2020
Signal Generator	Agilent E4438C	MY49070581	01/2017	01/2020
Amplifier	Aethercomm	SN 046	Characterized prior to test. No cal required.	Characterized prior to test. No cal required.
Power Meter	HP E4418A	US38261498	01/2017	01/2020
Power Sensor	HP ECP-E26A	US37181460	01/2017	01/2020
Directional Coupler	Narda 4216-20	01386	Characterized prior to test. No cal required.	Characterized prior to test. No cal required.
Temperature and Humidity Sensor	Control Company	150798832	10/2017	10/2019

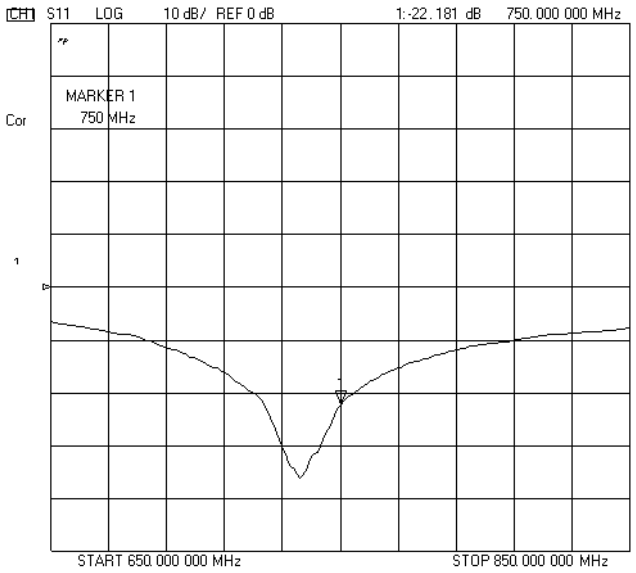
17 Re-calibration for Dipole

17.1 DIPOLE 750 (SN 09/15 DIP 0G750-357)

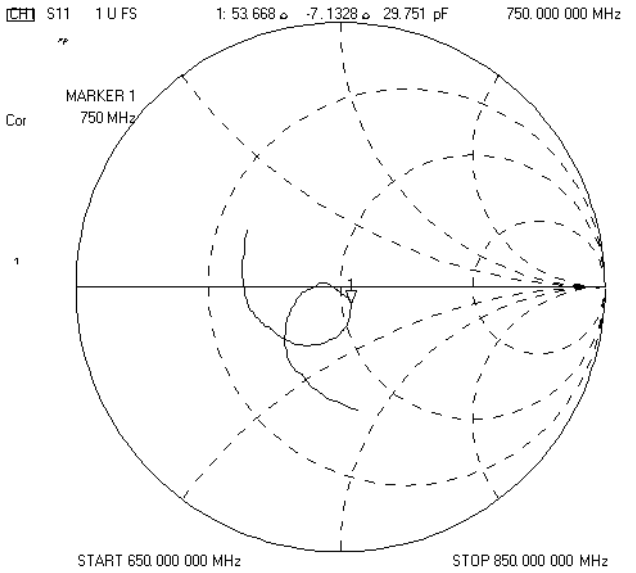
Return Loss and Impedance in Head liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
750	-22.181	-20	53.668Ω-7.133jΩ

Return loss



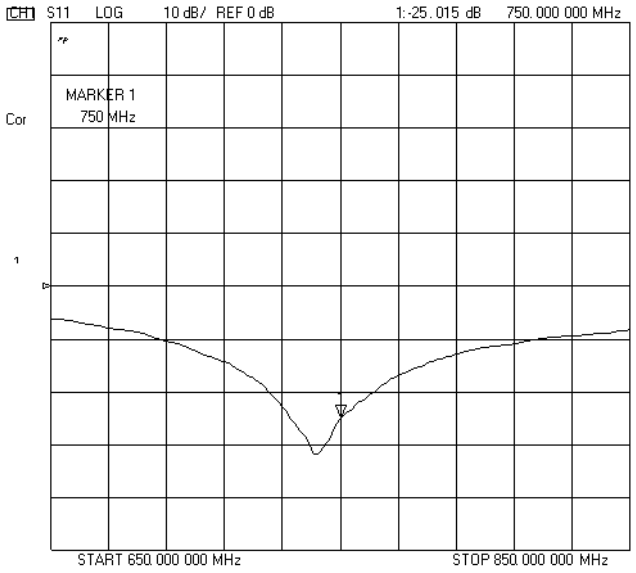
Impedance



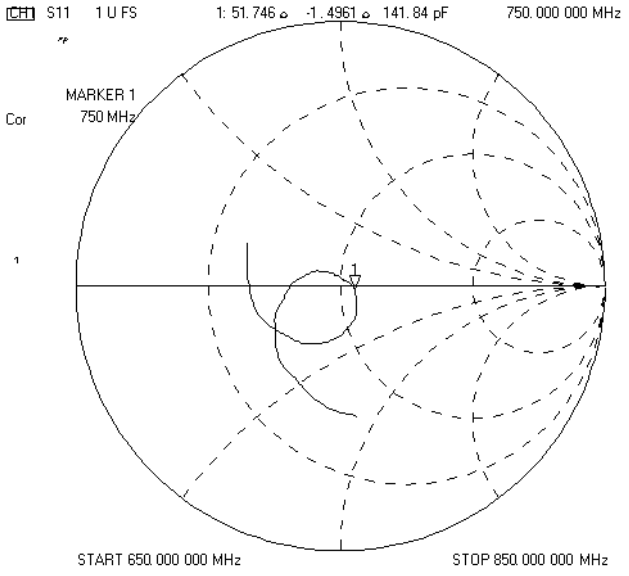
Return Loss and Impedance in Body liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
750	-25.015	-20	51.746Ω-1.496jΩ

Return loss



Impedance

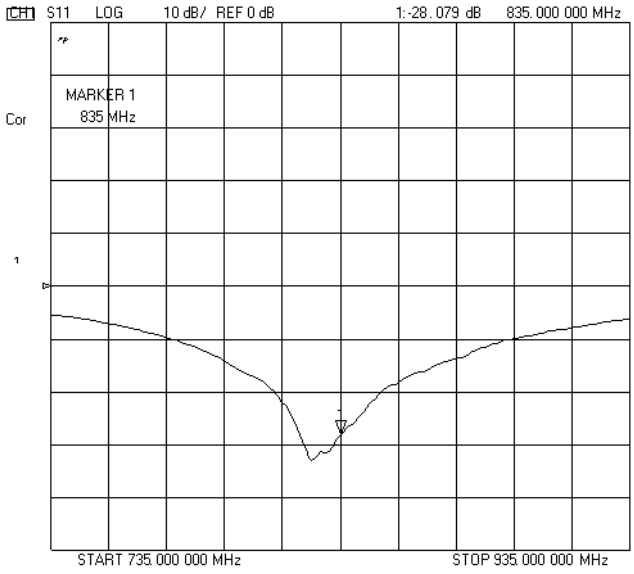


17.2 DIPOLE 835 (SN 09/15 DIP 0G835-358)

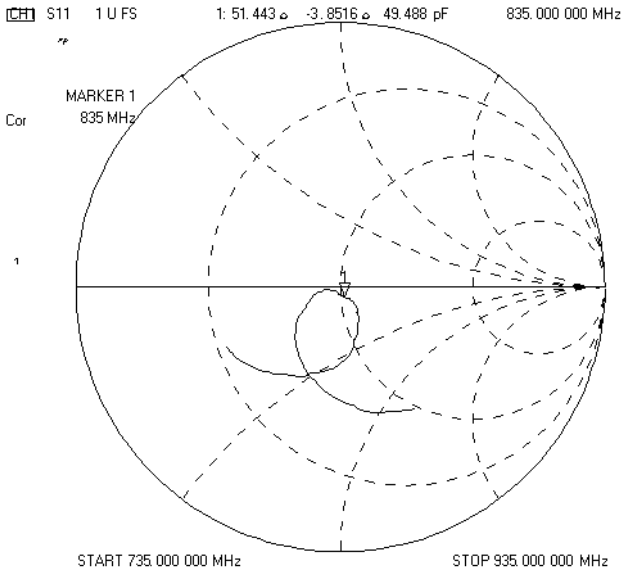
Return Loss and Impedance in Head liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
835	-28.079	-20	51.443Ω-3.852jΩ

Return loss



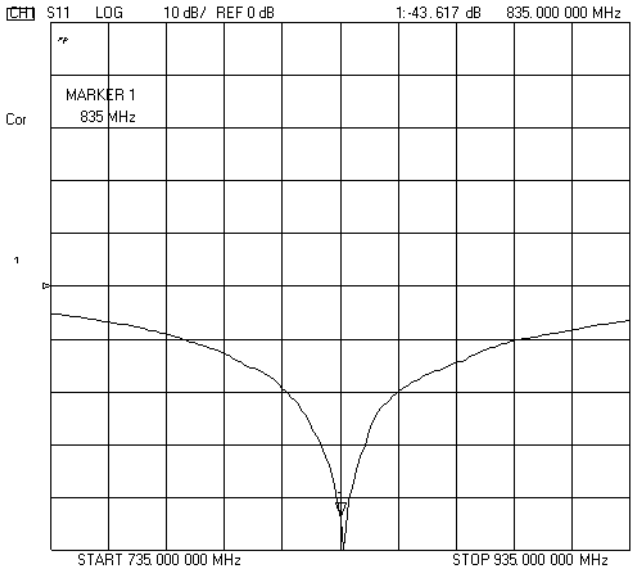
Impedance



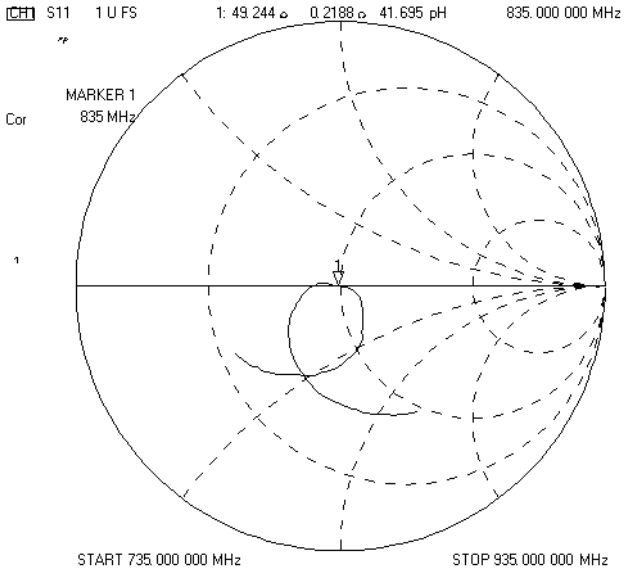
Return Loss and Impedance in Body liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
835	-43.617	-20	49.244Ω+0.219jΩ

Return loss



Impedance

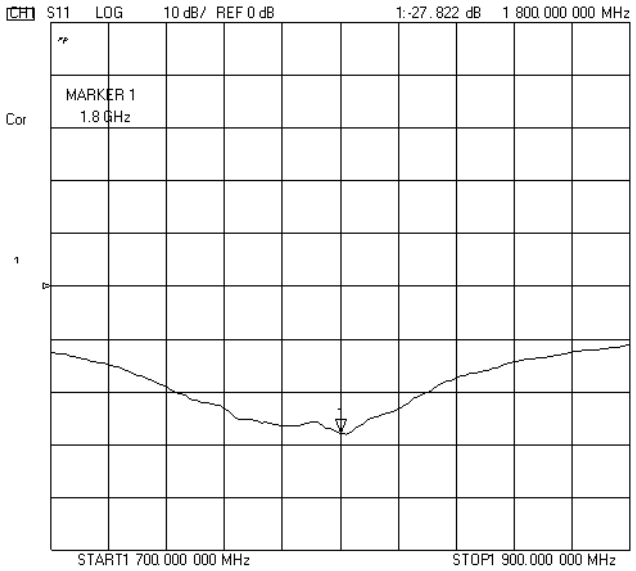


17.3 DIPOLE 1800 (SN 09/15 DIP 1G800-360)

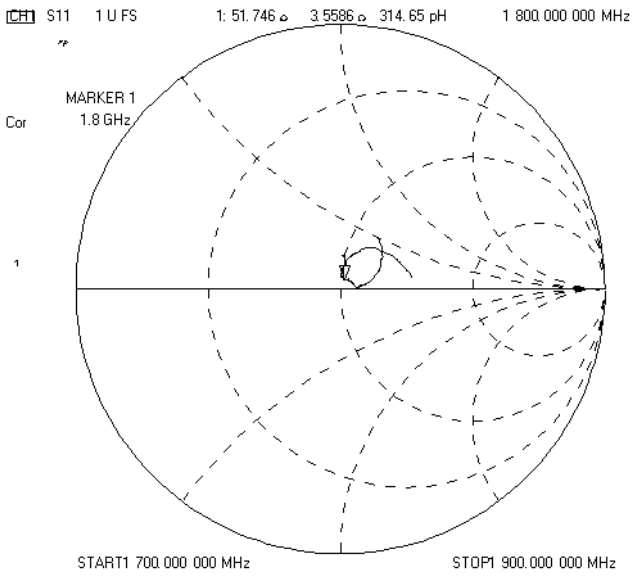
Return Loss and Impedance in Head liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
1800	-27.822	-20	51.746Ω+3.559jΩ

Return loss



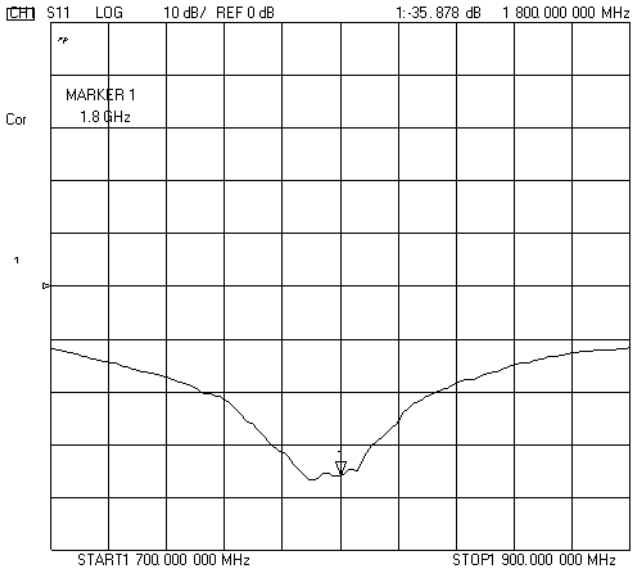
Impedance



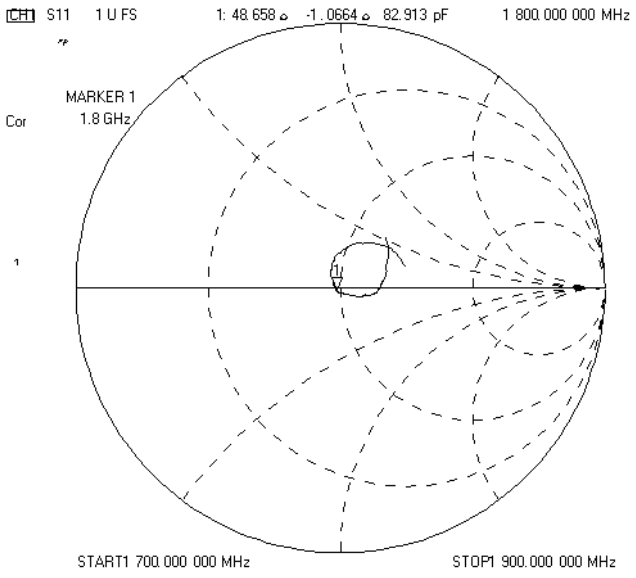
Return Loss and Impedance in Body liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
1800	-35.878	-20	48.658Ω-1.066jΩ

Return loss



Impedance

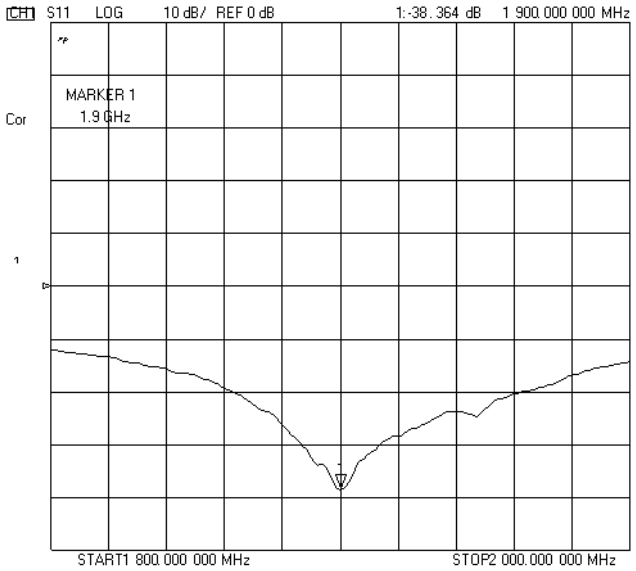


17.4 DIPOLE 1900 (SN 09/15 DIP 1G900-361)

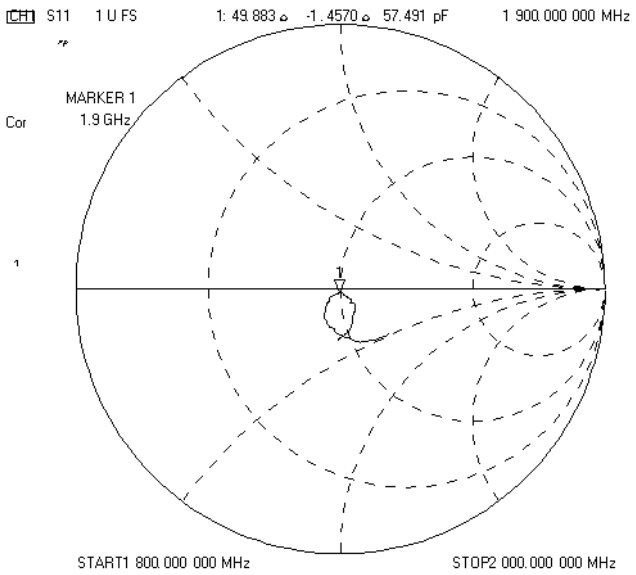
Return Loss and Impedance in Head liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
1900	-38.364	-20	49.883Ω-1.457jΩ

Return loss



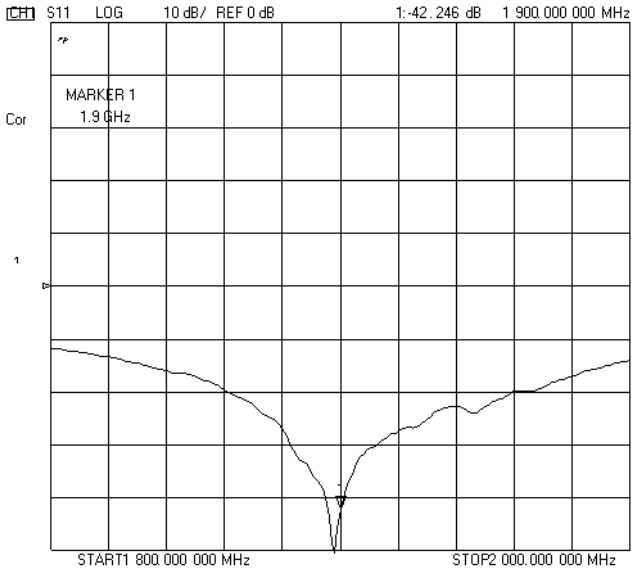
Impedance



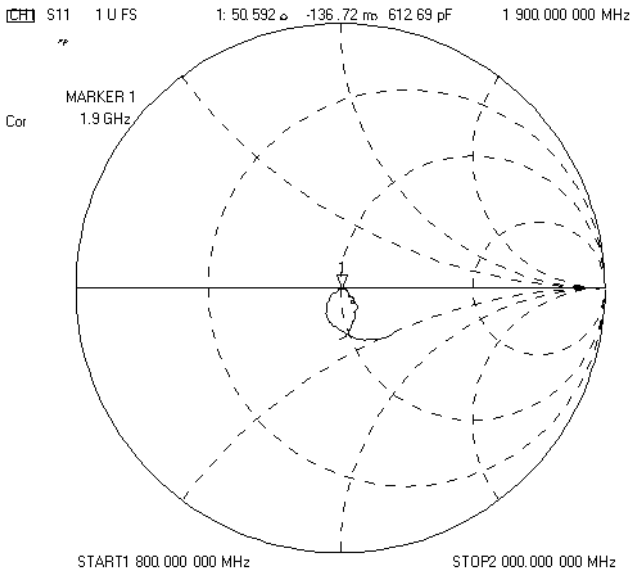
Return Loss and Impedance in Body liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
1900	-42.246	-20	50.592Ω-0.137jΩ

Return loss



Impedance

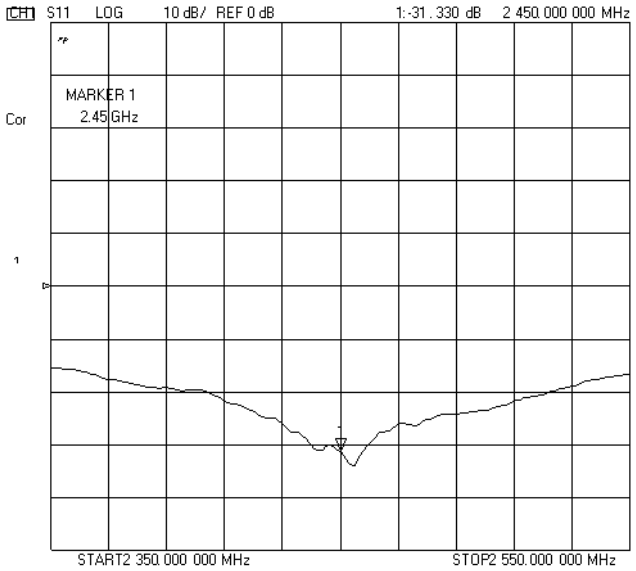


17.5 DIPOLE 2450 (SN 9/15 DIP 2G450-363)

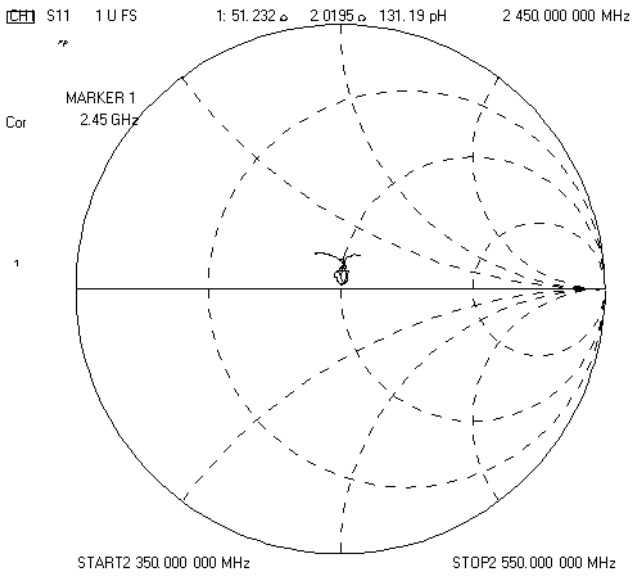
Return Loss and Impedance in Head liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
2450	-31.330	-20	51.232Ω+2.020jΩ

Return loss



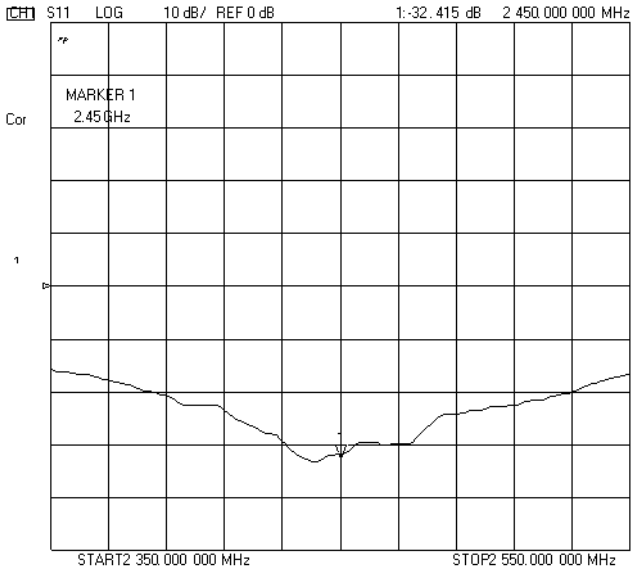
Impedance



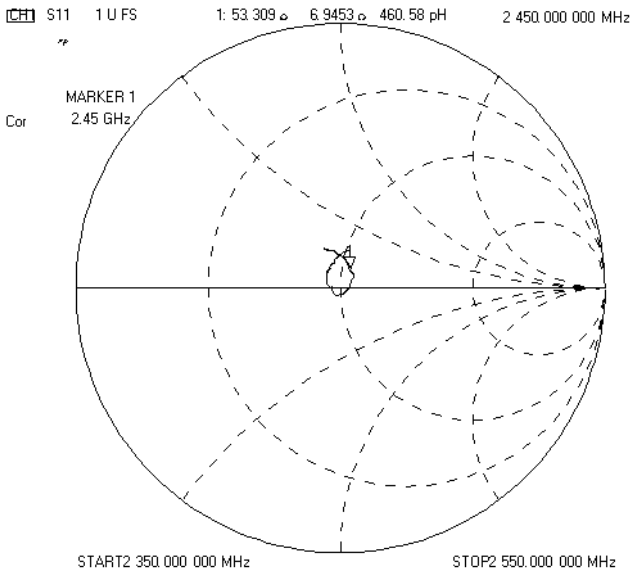
Return Loss and Impedance in Body liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
2450	-32.415	-20	53.309Ω+6.945jΩ

Return loss



Impedance

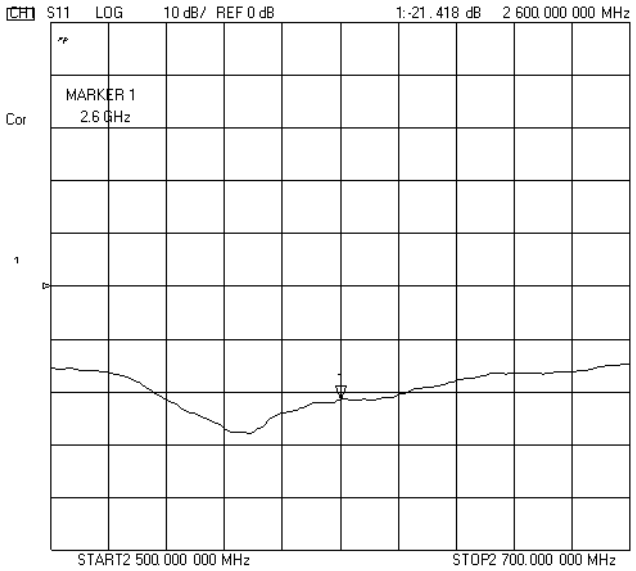


17.6 DIPOLE 2600 (SN 16/15 DIP 2G600-376)

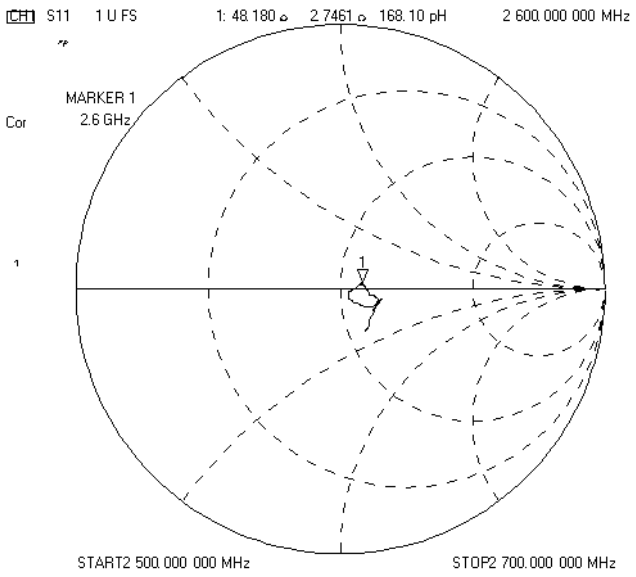
Return Loss and Impedance in Head liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
2600	-21.418	-20	48.180Ω+2.746jΩ

Return loss



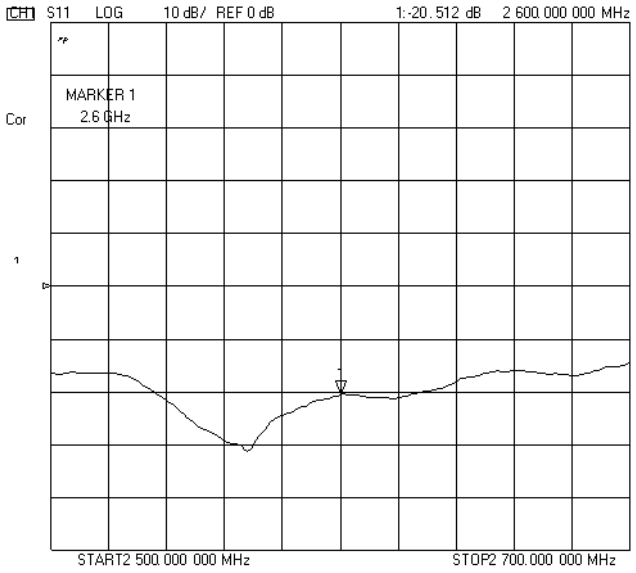
Impedance



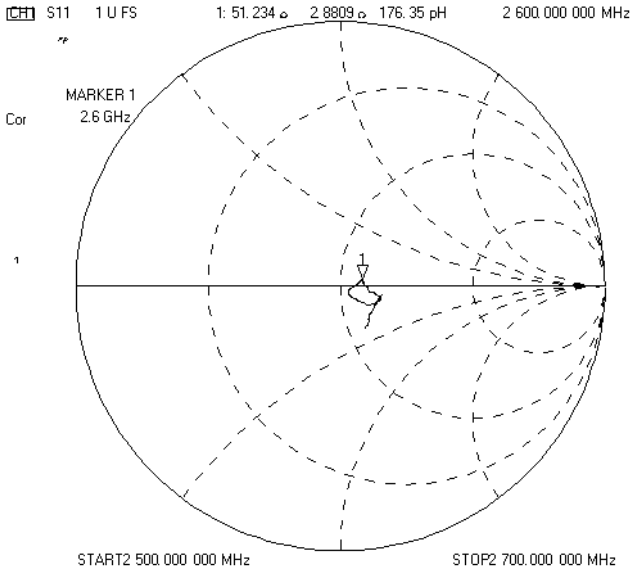
Return Loss and Impedance in Body liquid(2019-02-27)

Frequency(MHz)	Return loss(dB)	Requirement(dB)	Impedance
2600	-20.512	-20	51.234Ω+2.881jΩ

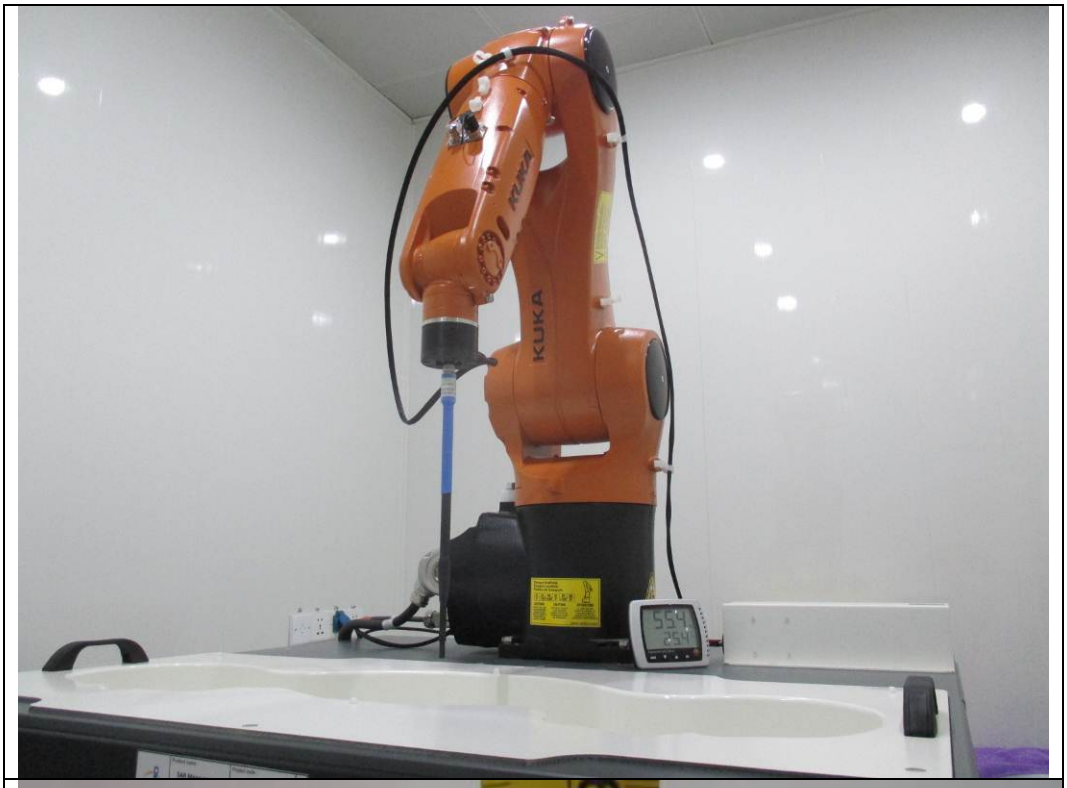
Return loss



Impedance

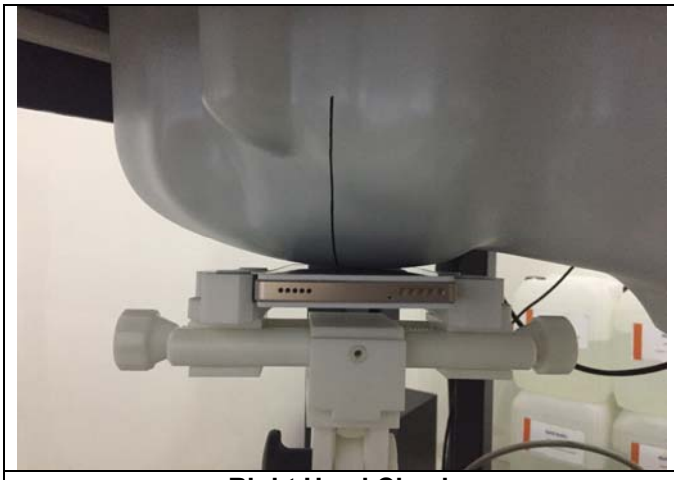
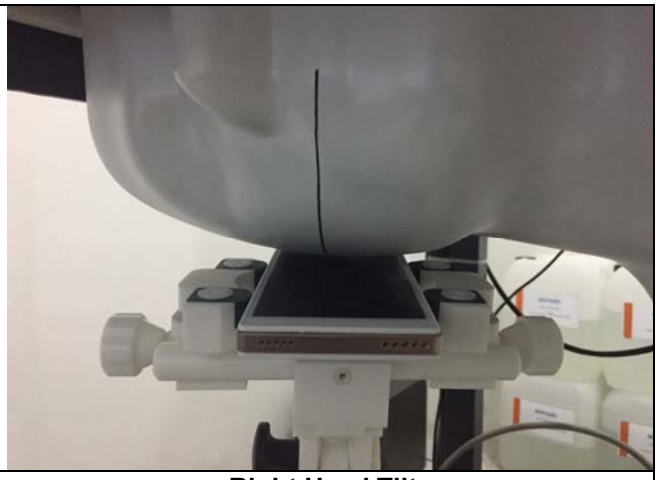
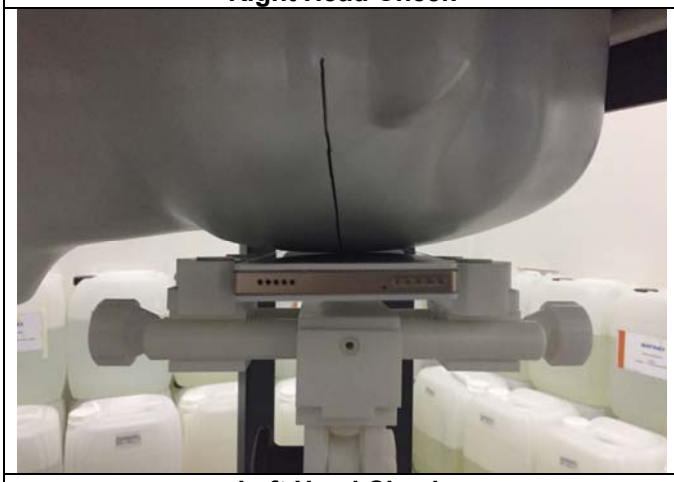
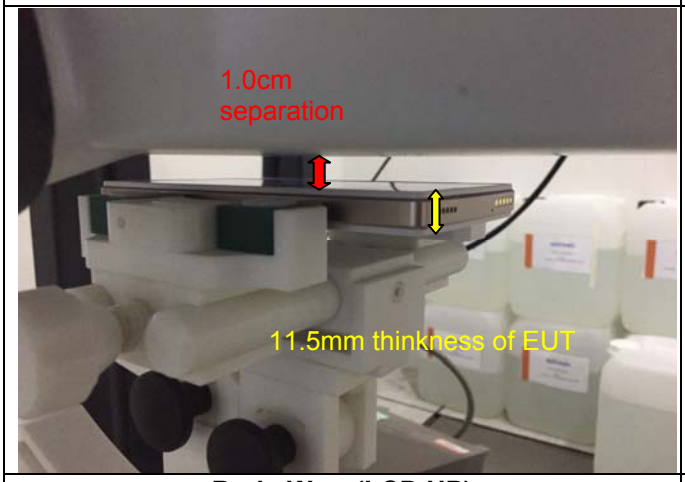
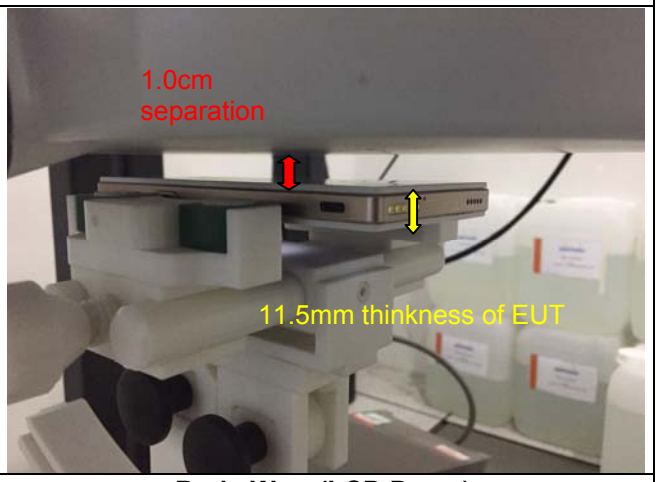


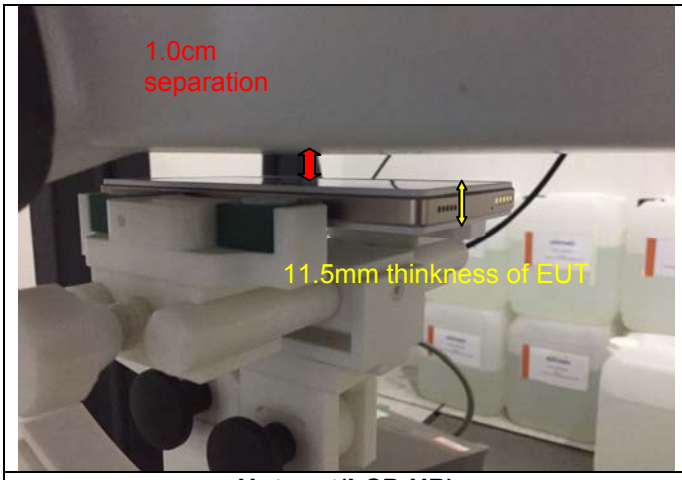
18 SAR System Photos



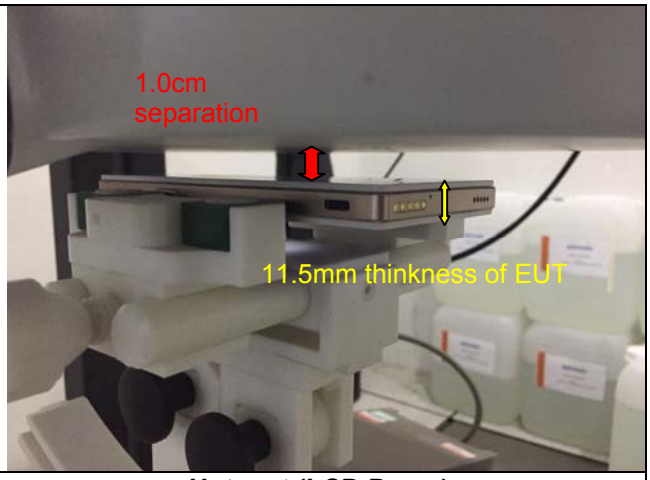
Liquid depth ≥ 15cm

19 Setup Photos

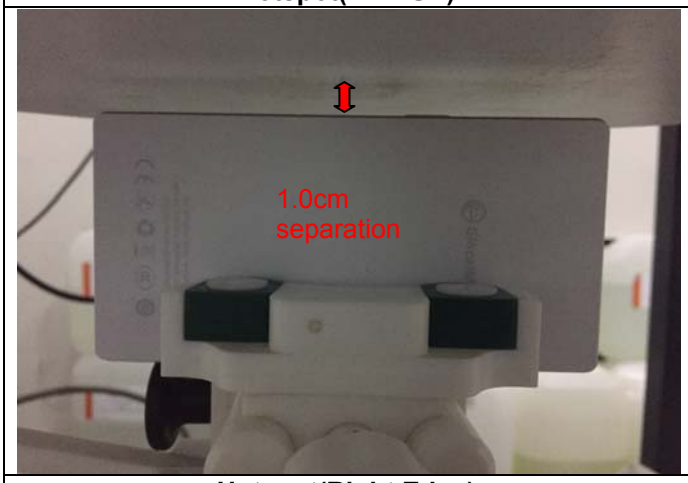
	
Right Head Cheek	**Right Head Tilt**
	
Left Head Cheek	**Left Head Tilt**
	
Body-Worn(LCD UP)	**Body-Worn(LCD Down)**



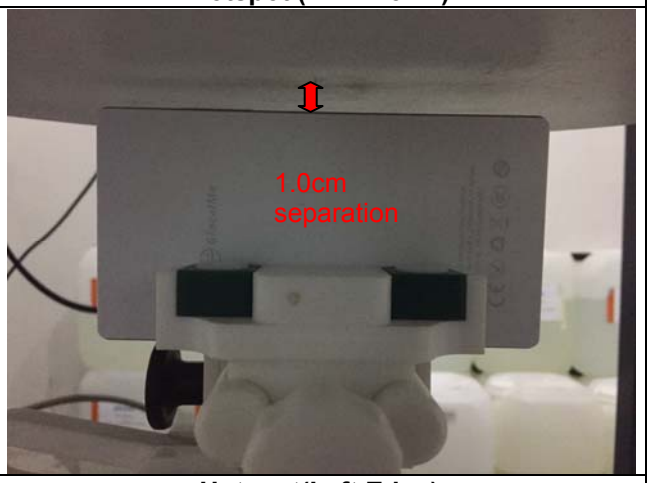
Hotspot(LCD UP)



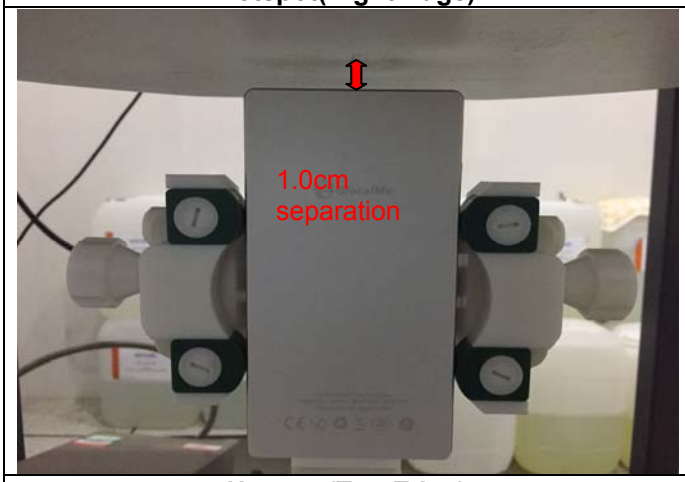
Hotspot (LCD Down)



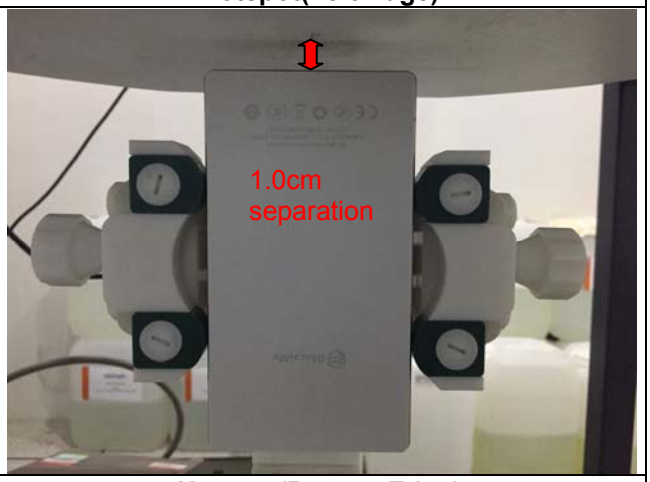
Hotspot(Right Edge)



Hotspot(Left Edge)



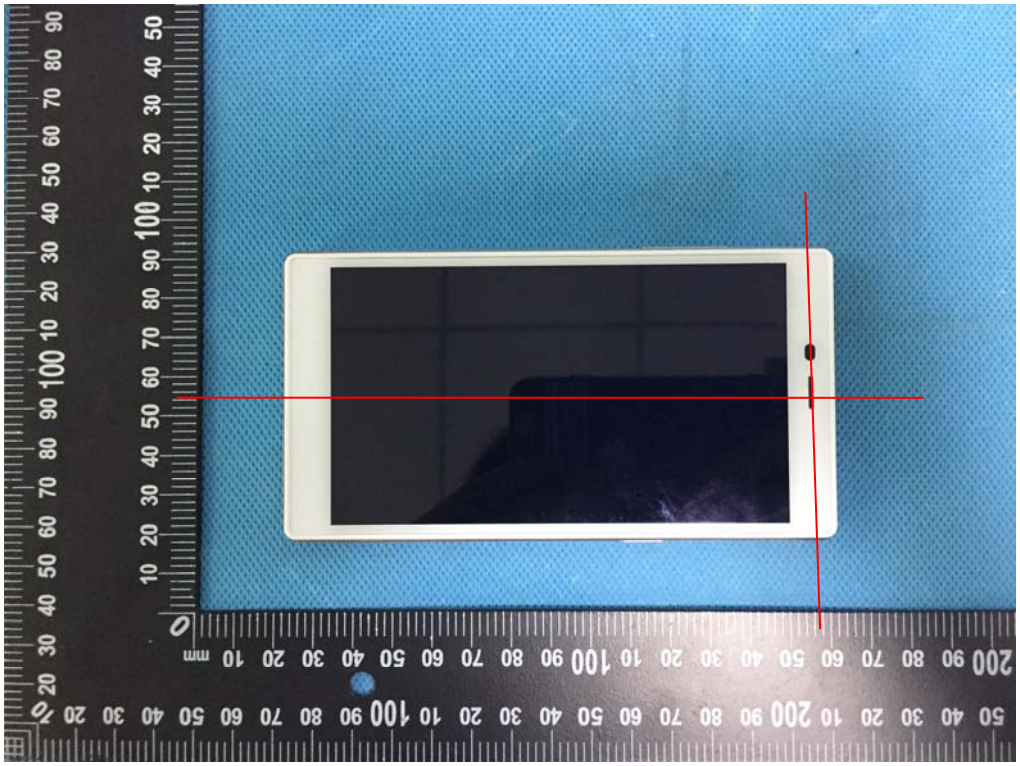
Hotspot(Top Edge)



Hotspot(Bottom Edge)

20 EUT Photos

Front side



Back side

======End of report======