



SAR REFERENCE DIPOLE CALIBRATION REPORT

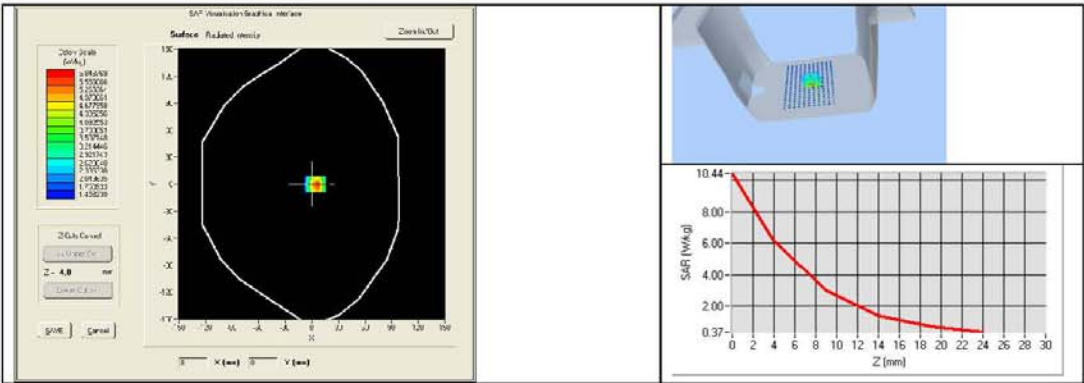
Ref: ACR.93.9.18.SATU.A

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)



Page: 10/11

This document shall not be reproduced, except in full or in part, without the written approval of MVG.
The information contained herein is to be used only for the purpose for which it is submitted and is not to be released in whole or part without written approval of MVG.



SAR REFERENCE DIPOLE CALIBRATION REPORT

Ref: ACR.93.9.18.SATU.A

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

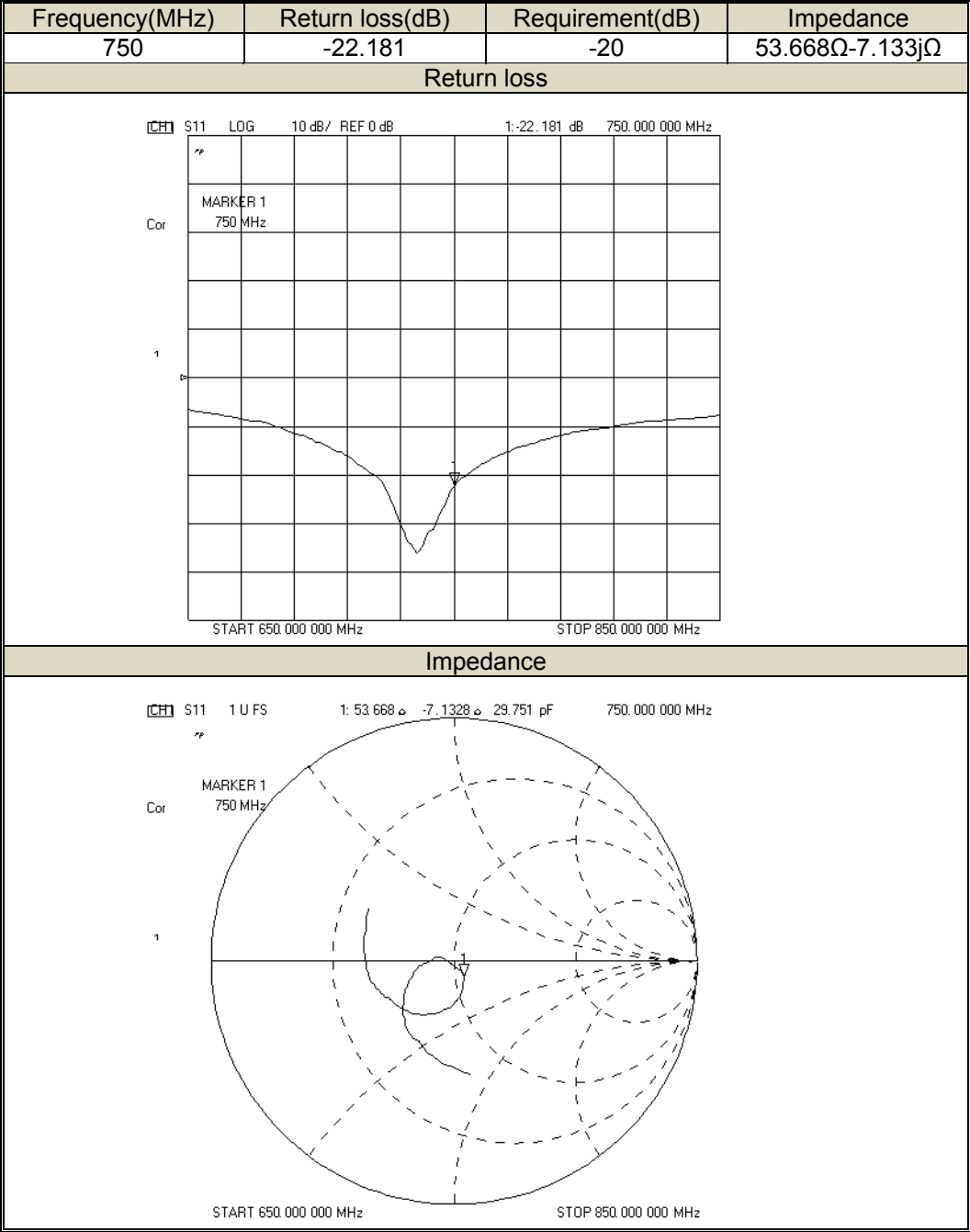
Page: 11/11

*This document shall not be reproduced, except in full or in part, without the written approval of MVG.
The information contained herein is to be used only for the purpose for which it is submitted and is not to be released in whole or part without written approval of MVG.*

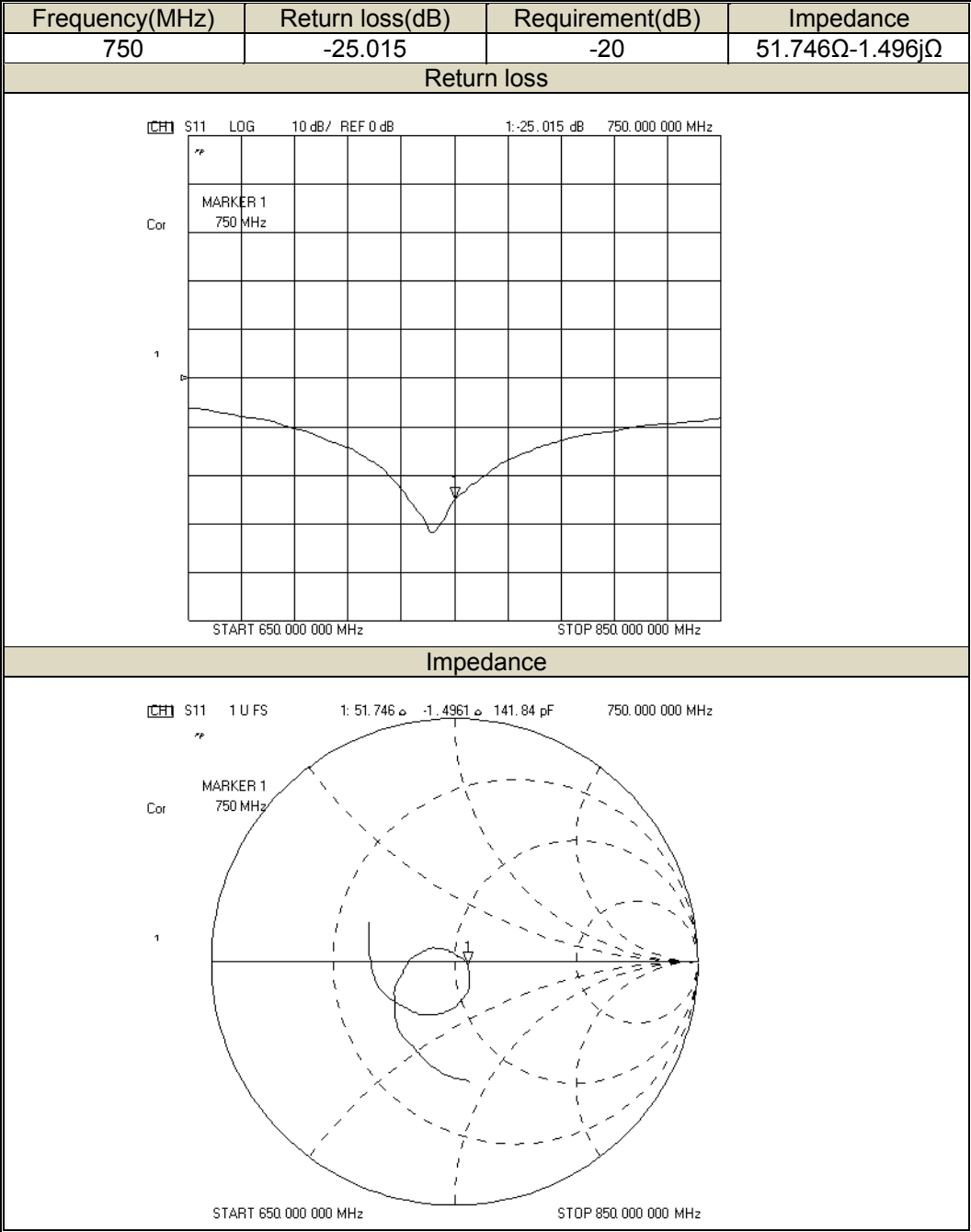
17 Re-calibration for Dipole

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

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

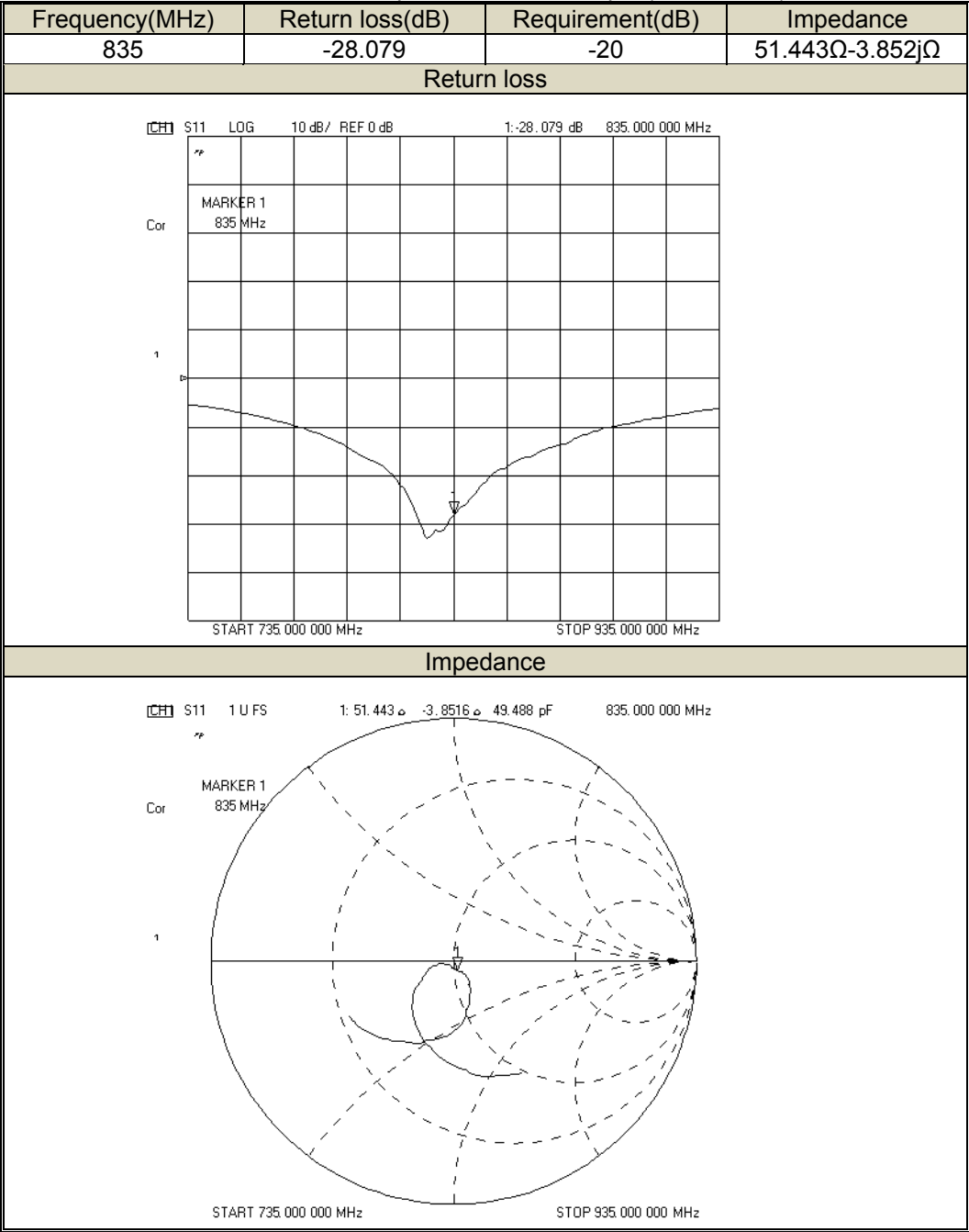


Return Loss and Impedance in Body liquid(2019-02-27)

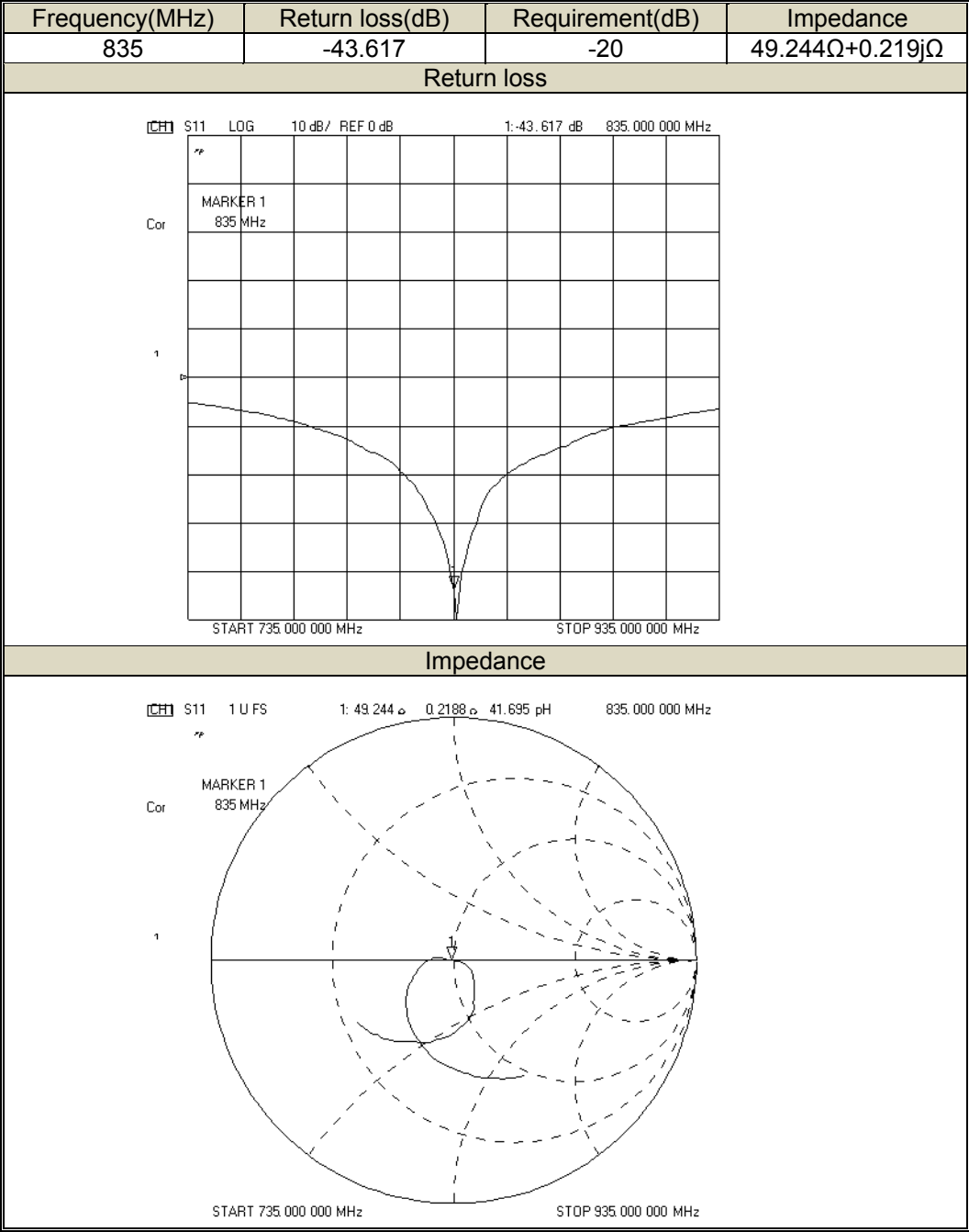


17.2 DIPOLE 835 (SN 09/15 DIP 0G835-358)

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

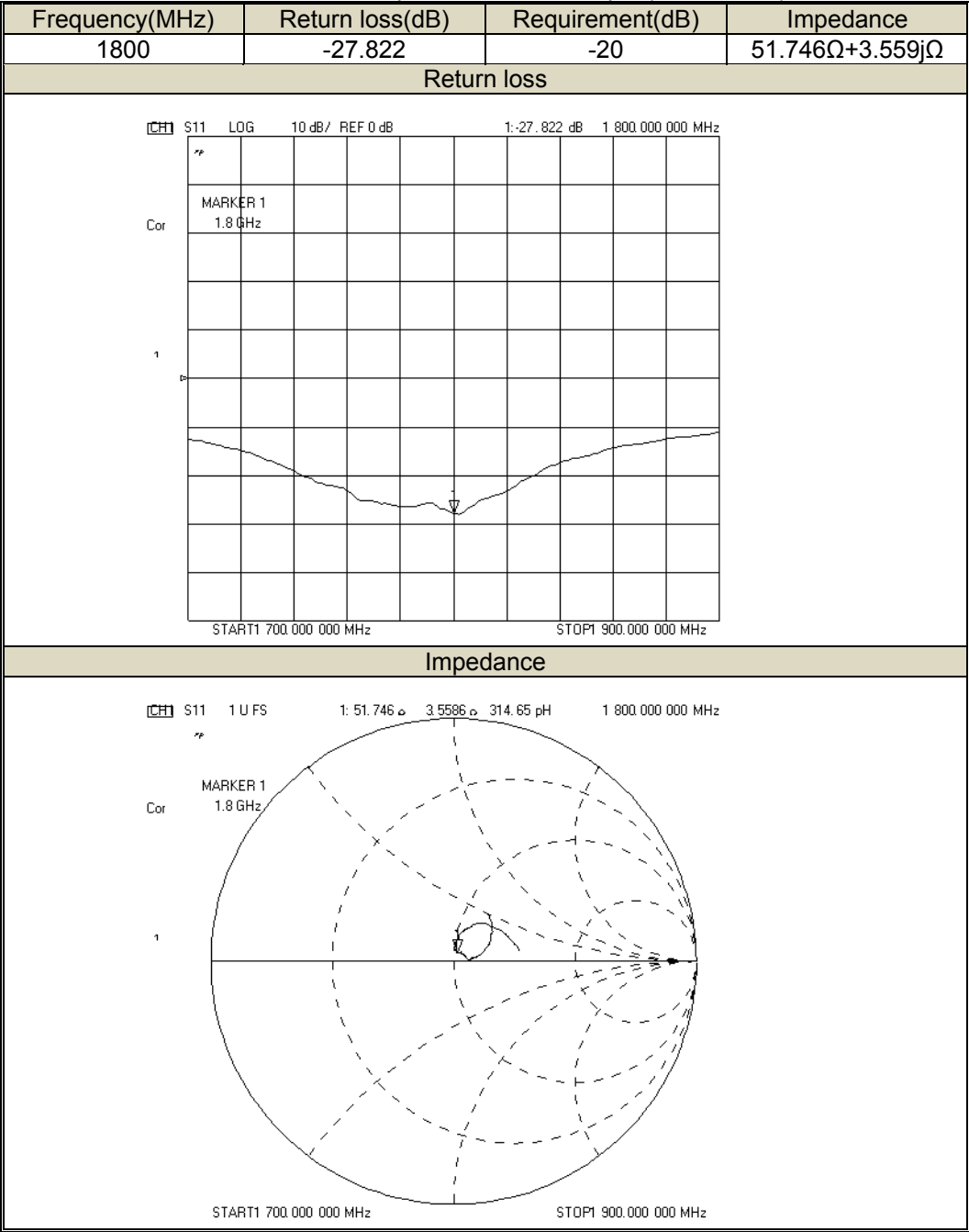


Return Loss and Impedance in Body liquid(2019-02-27)

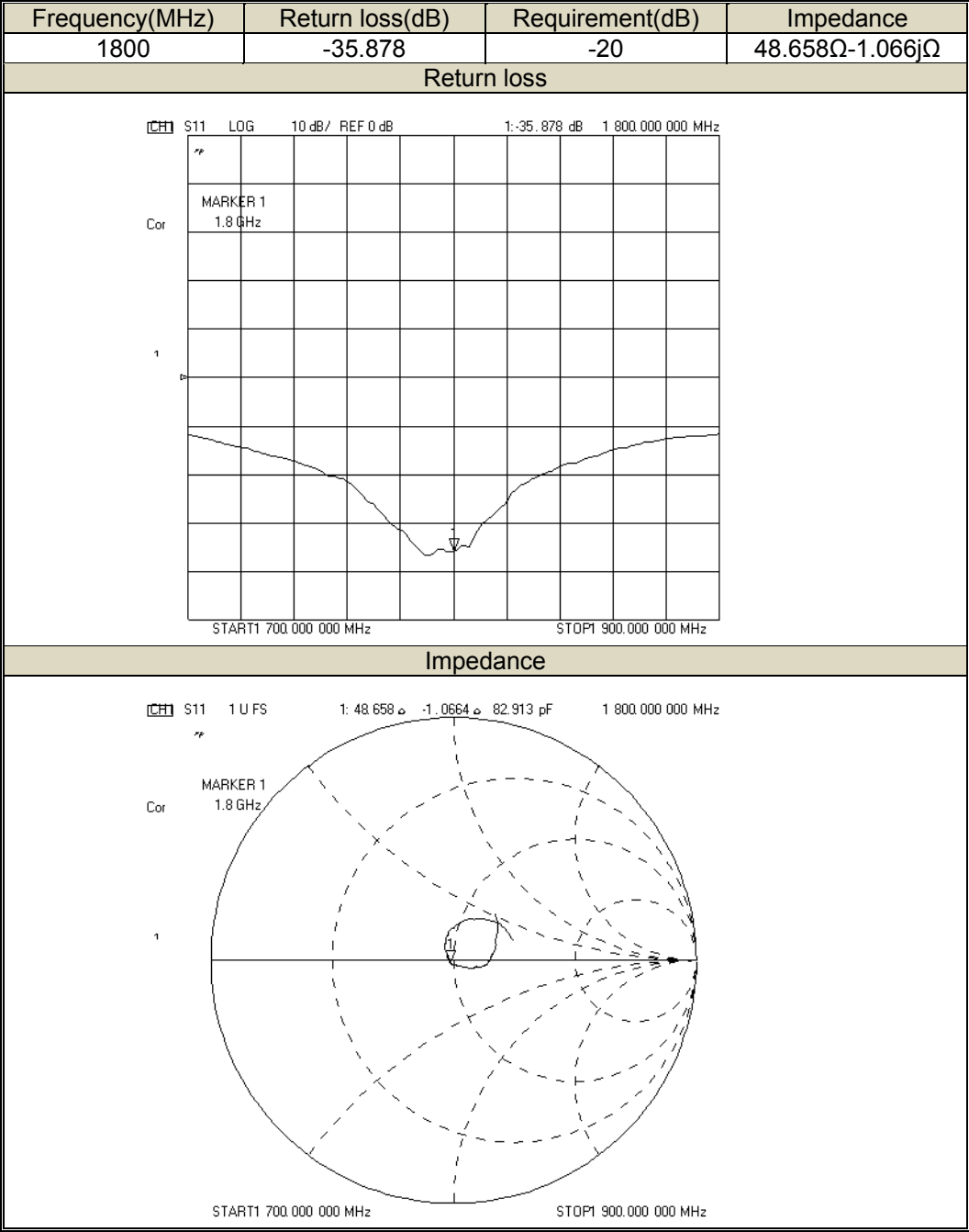


17.3 DIPOLE 1800 (SN 09/15 DIP 1G800-360)

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

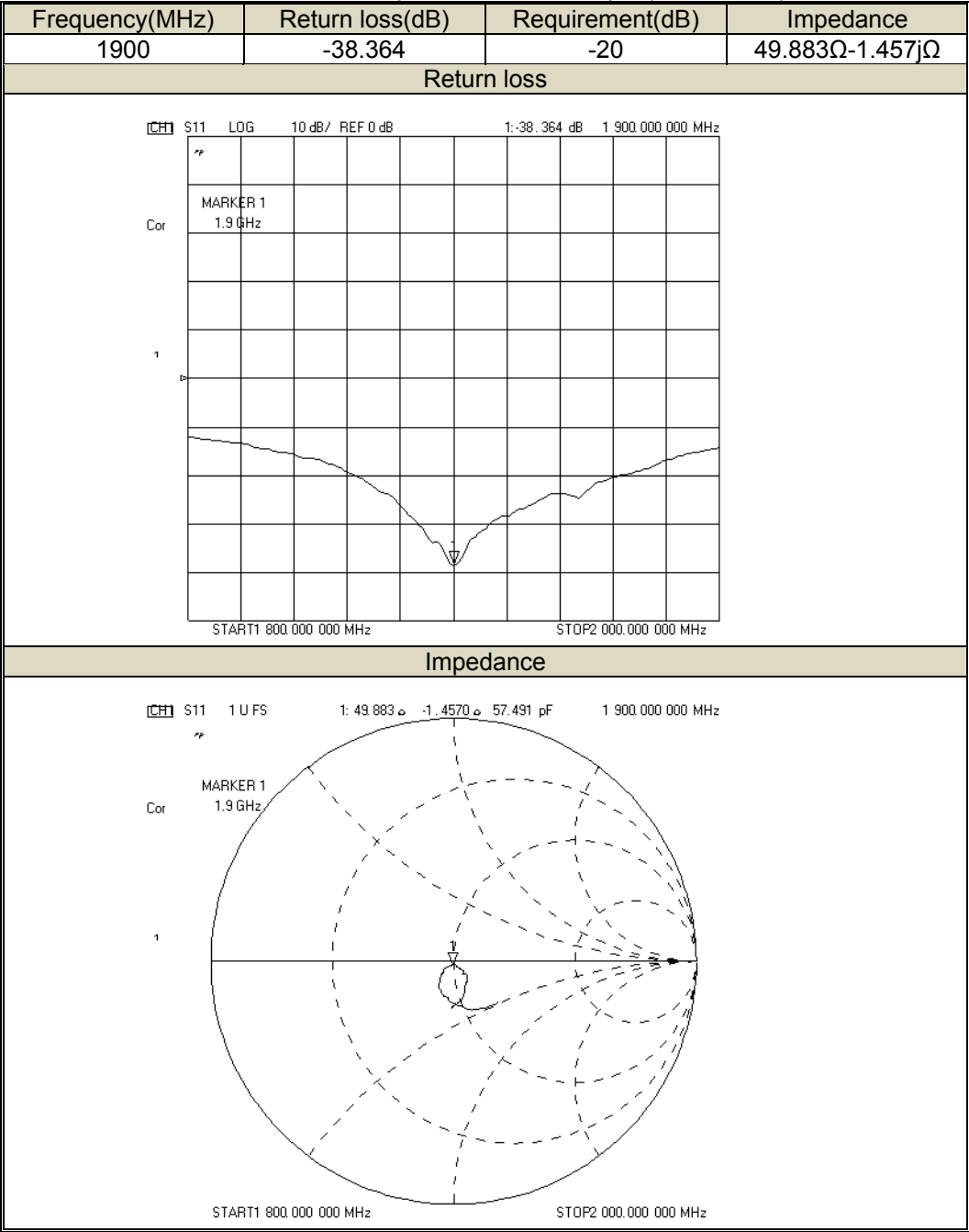


Return Loss and Impedance in Body liquid(2019-02-27)

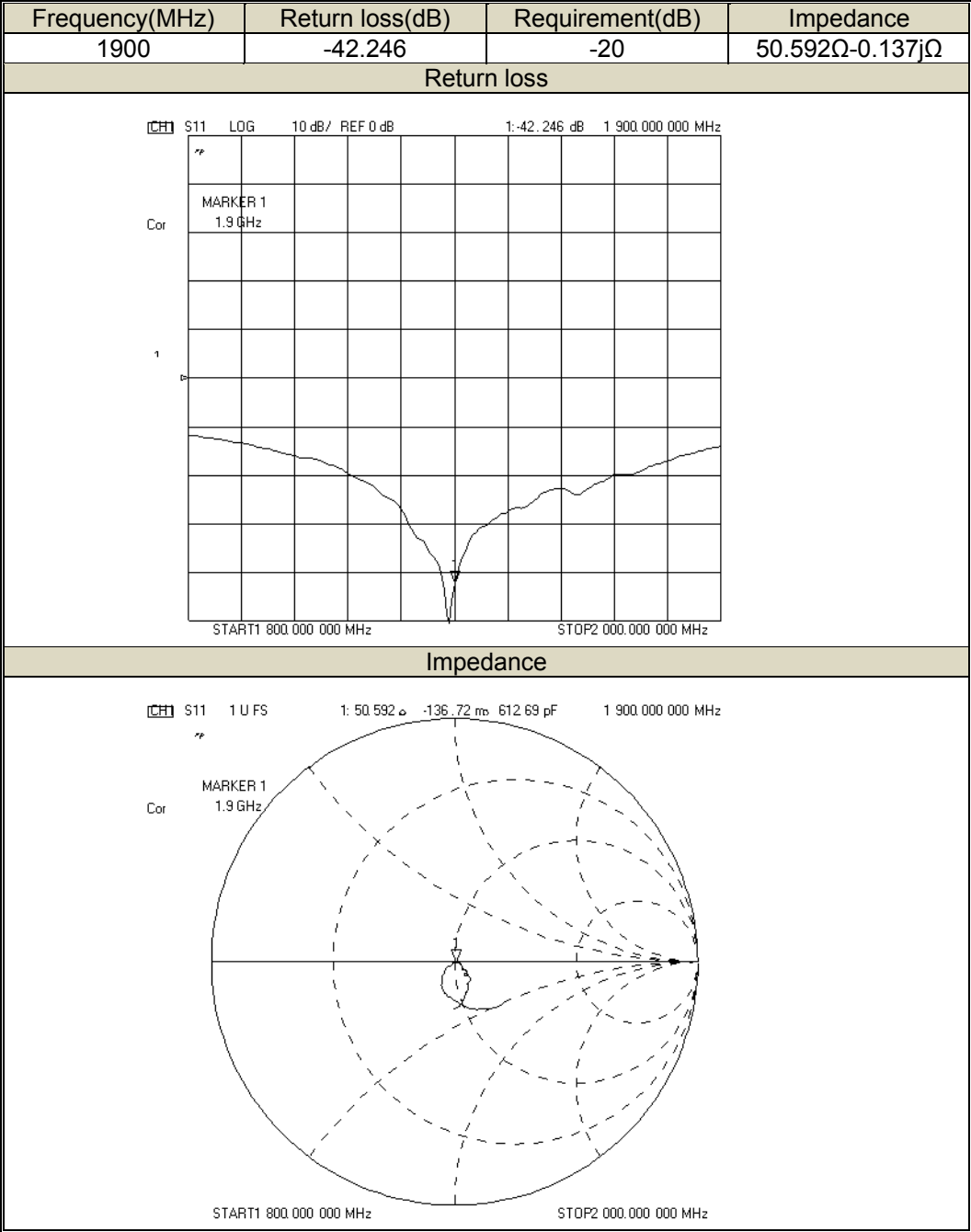


17.4 DIPOLE 1900 (SN 09/15 DIP 1G900-361)

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

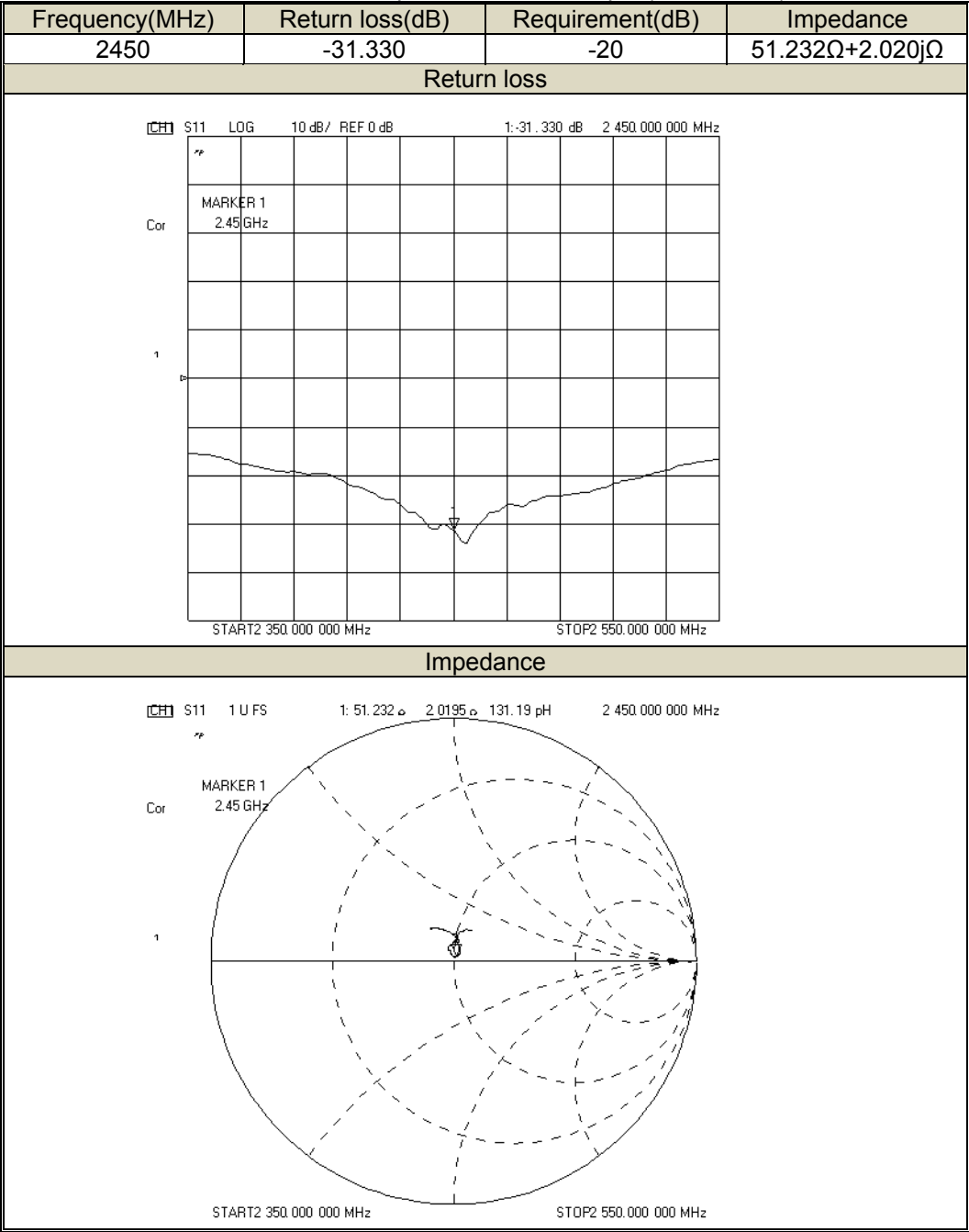


Return Loss and Impedance in Body liquid(2019-02-27)

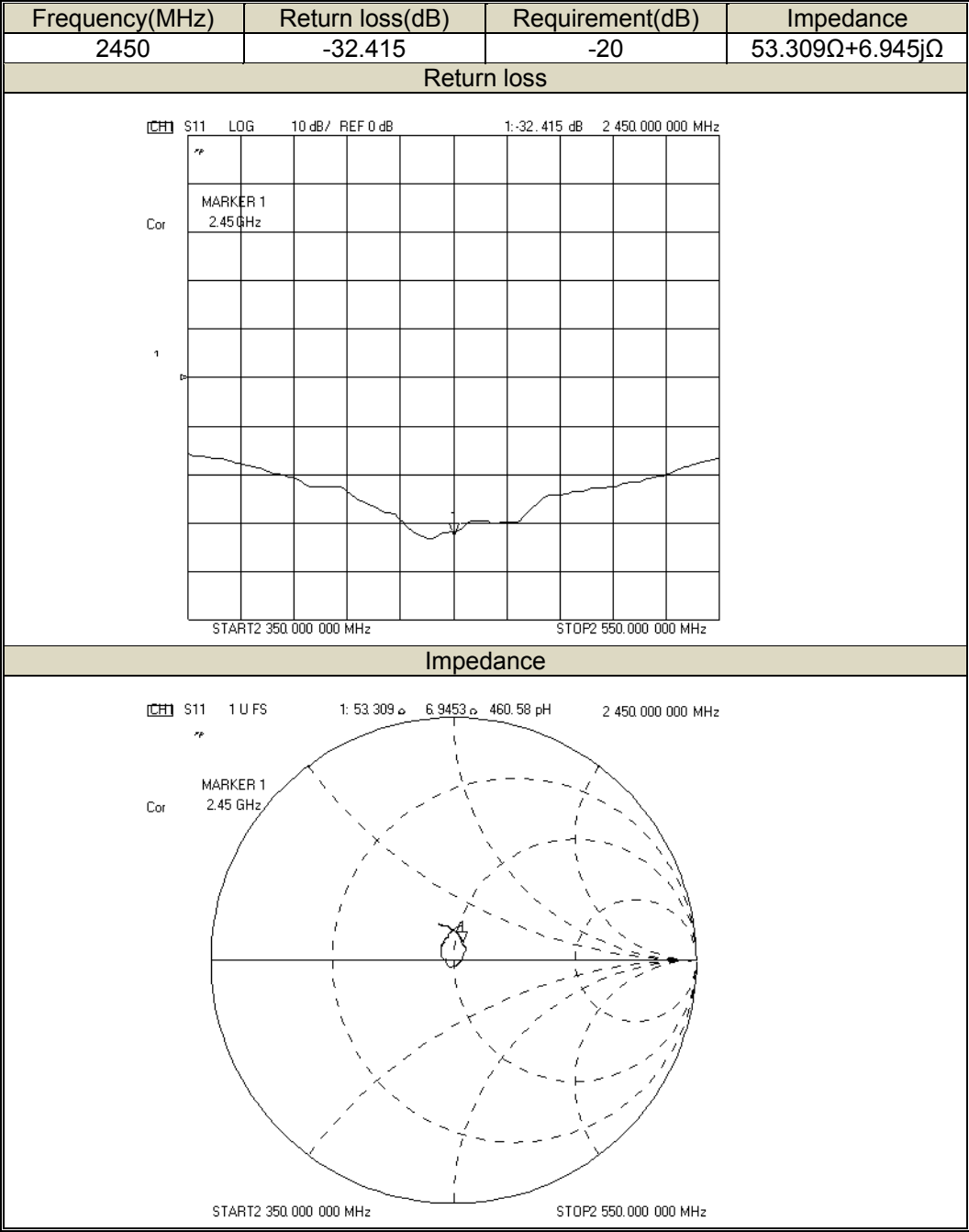


17.5 DIPOLE 2450 (SN 9/15 DIP 2G450-363)

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

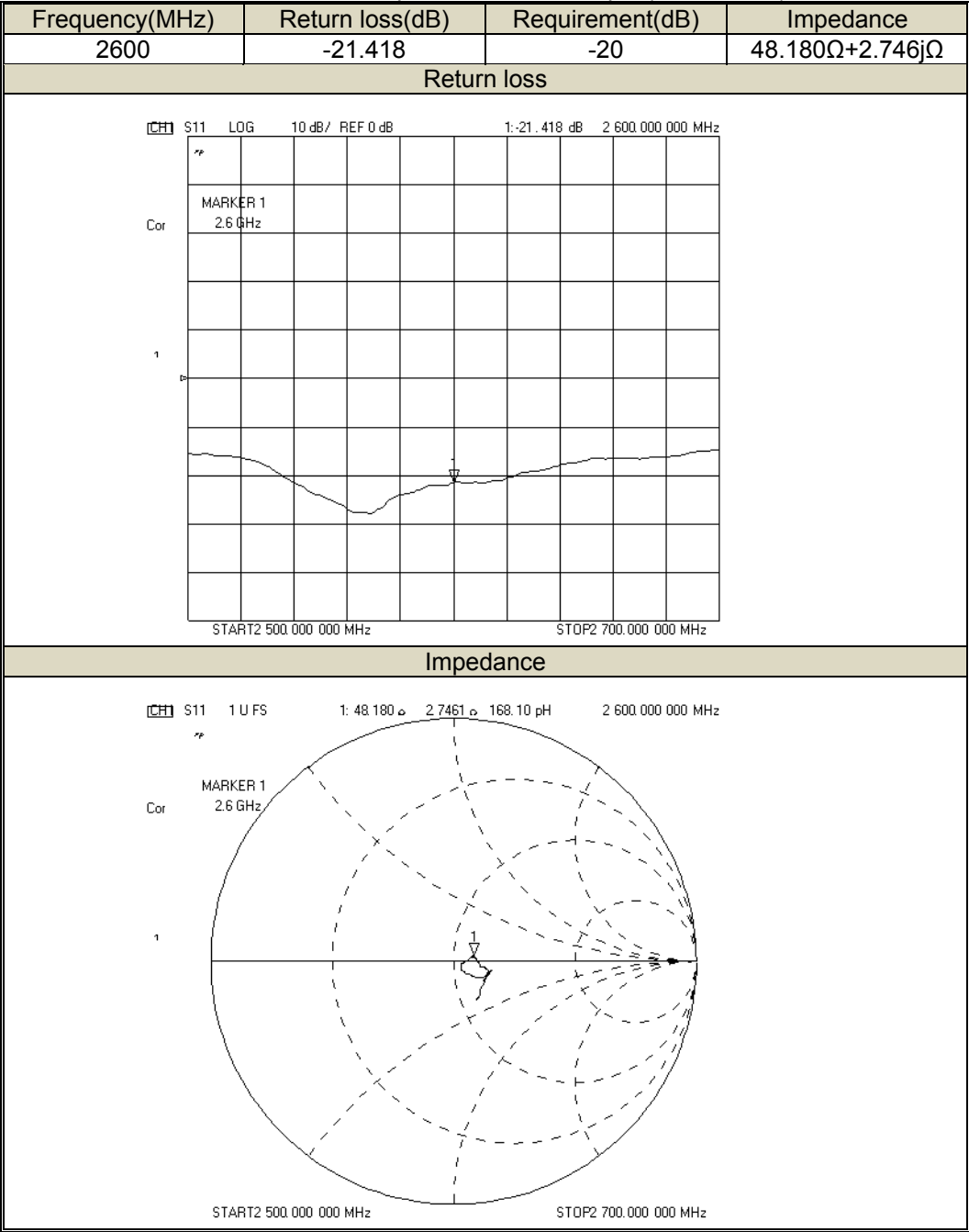


Return Loss and Impedance in Body liquid(2019-02-27)

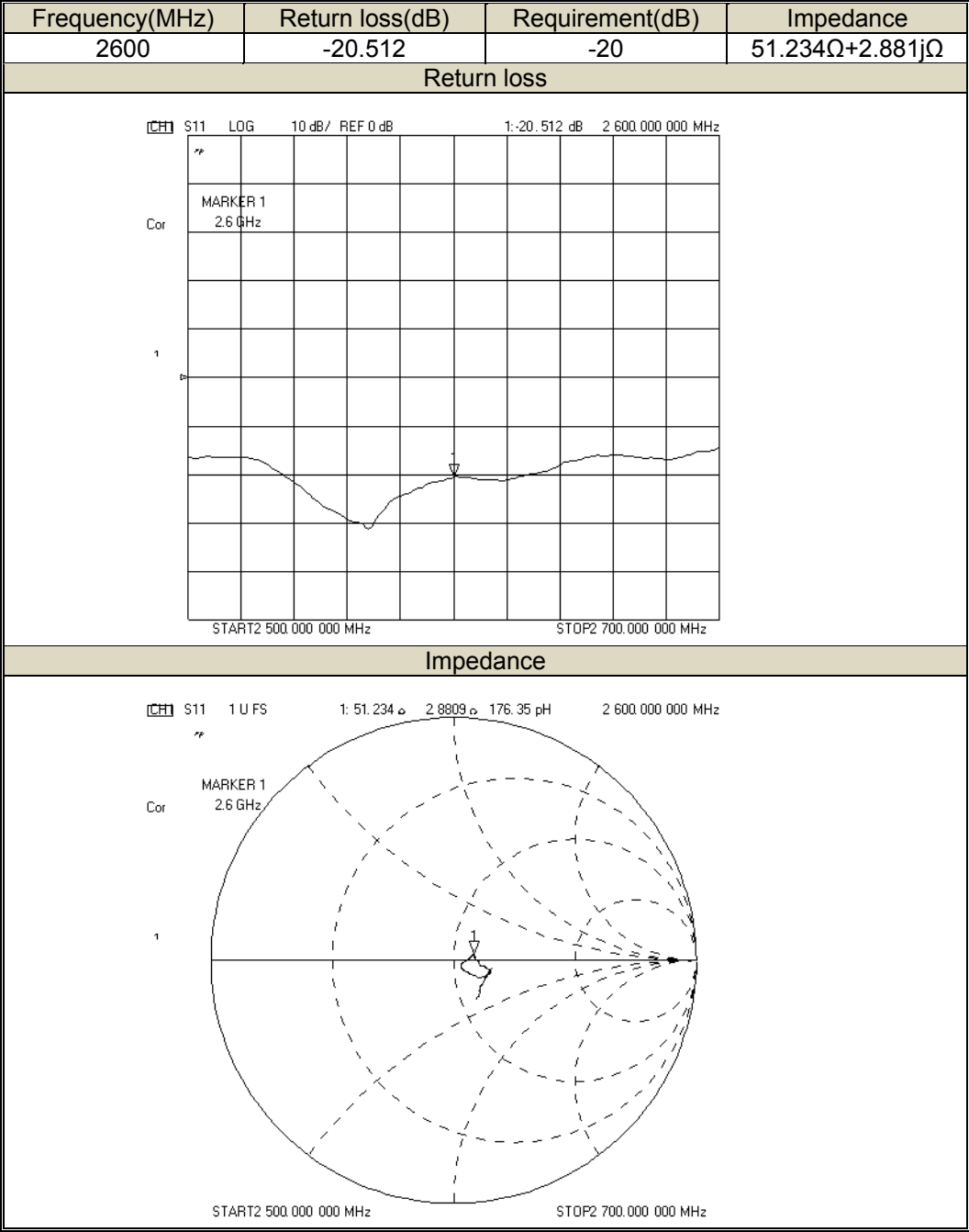


17.6 DIPOLE 2600 (SN 16/15 DIP 2G600-376)

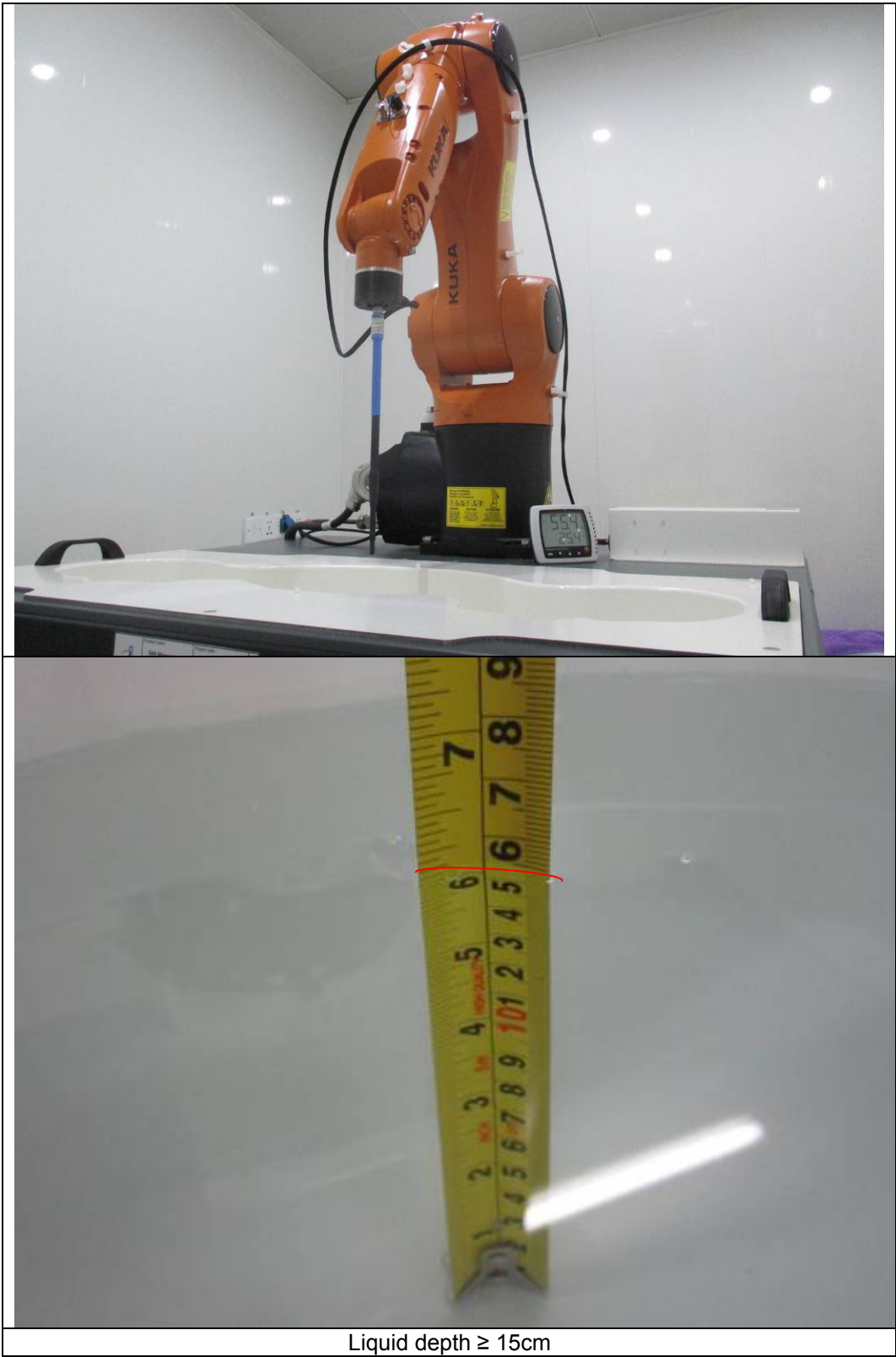
Return Loss and Impedance in Head liquid(2019-02-27)



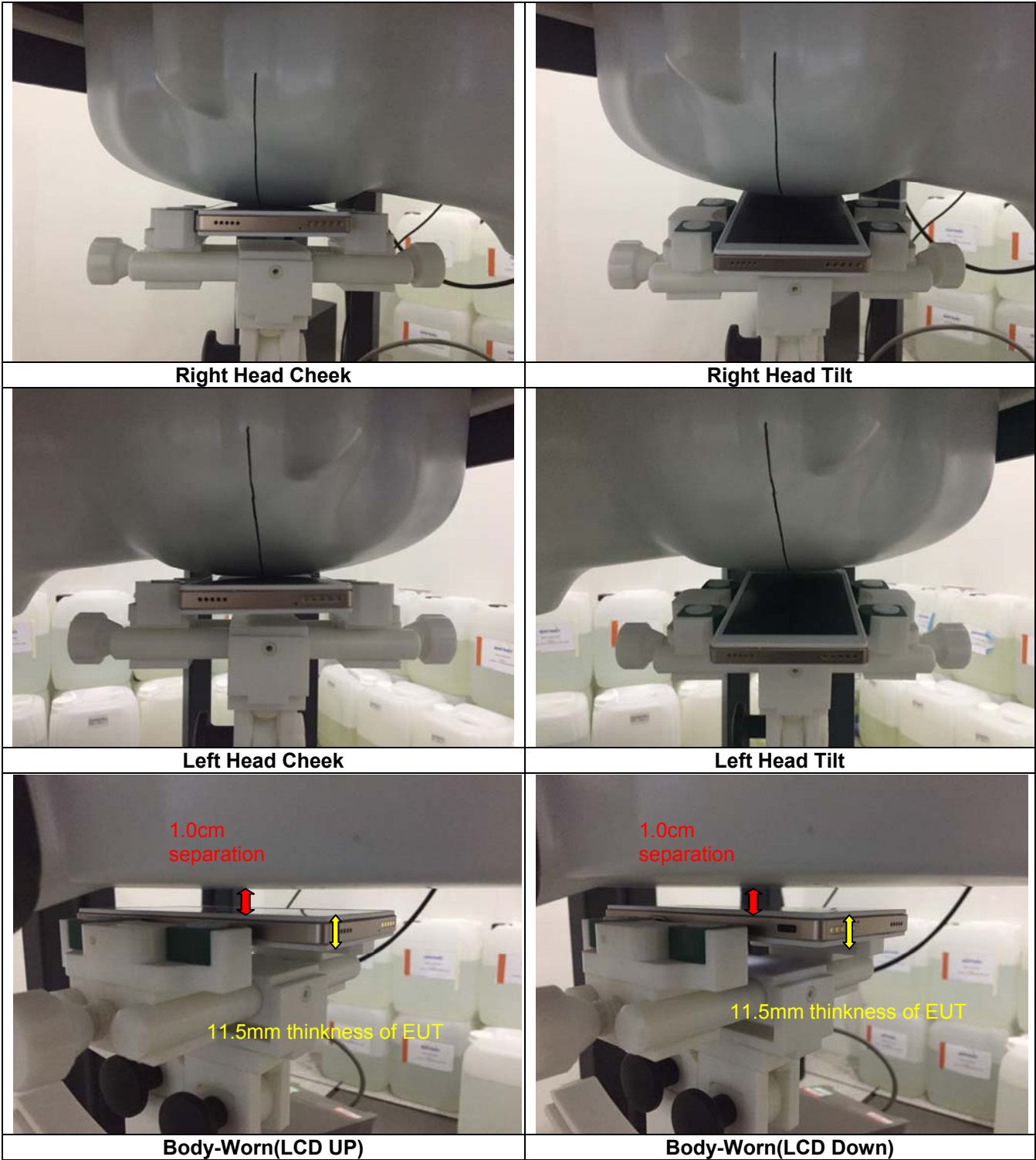
Return Loss and Impedance in Body liquid(2019-02-27)

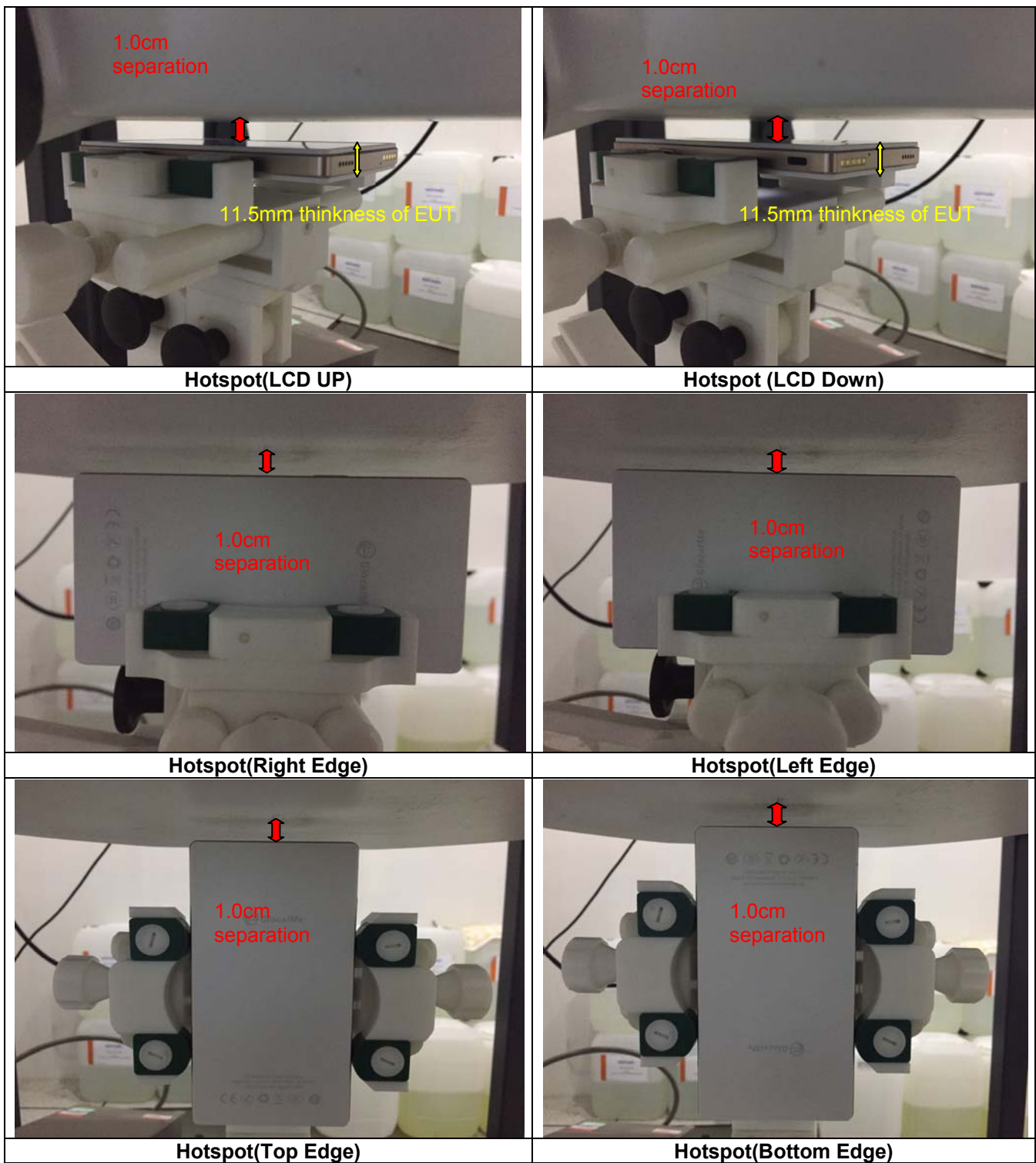


18 SAR System Photos



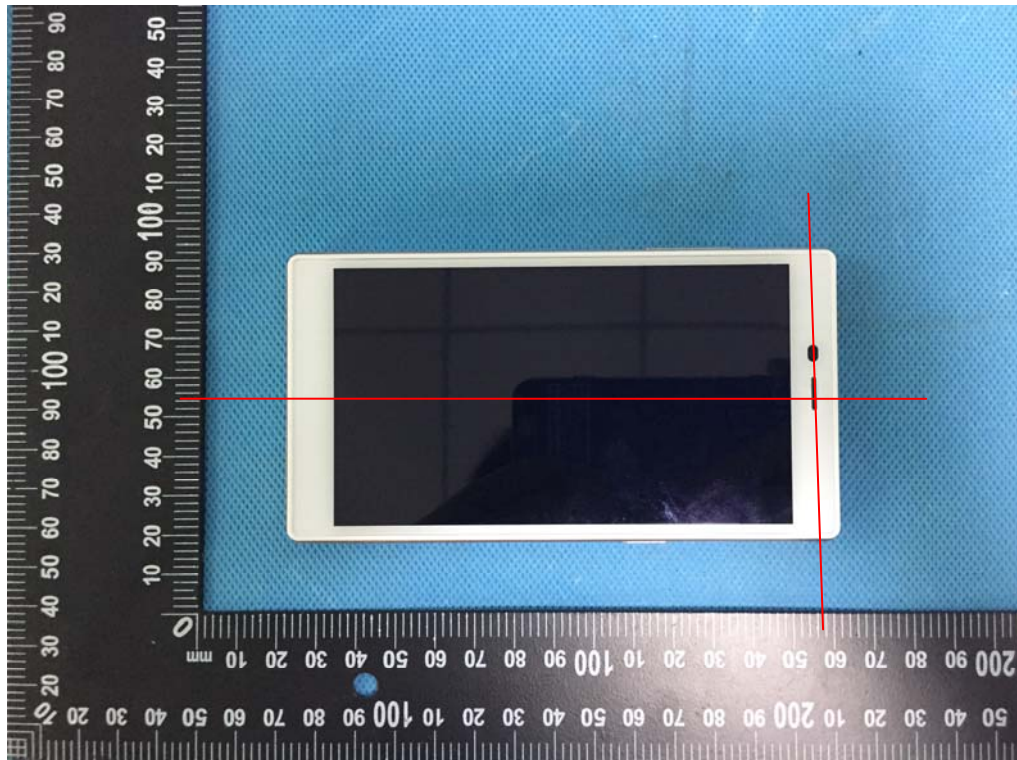
19 Setup Photos





20 EUT Photos

Front side



Back side



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