



ESTECH Co., Ltd.

Rm.1015, World Venture Center II,
426-5, Gasan-dong, Geumcheon-gu,
Seoul, 153-803, Korea

TEL: 82-2-867-3201
FAX: 82-2-867-3204

APPENDIX A : Validation Test Data of Tissue



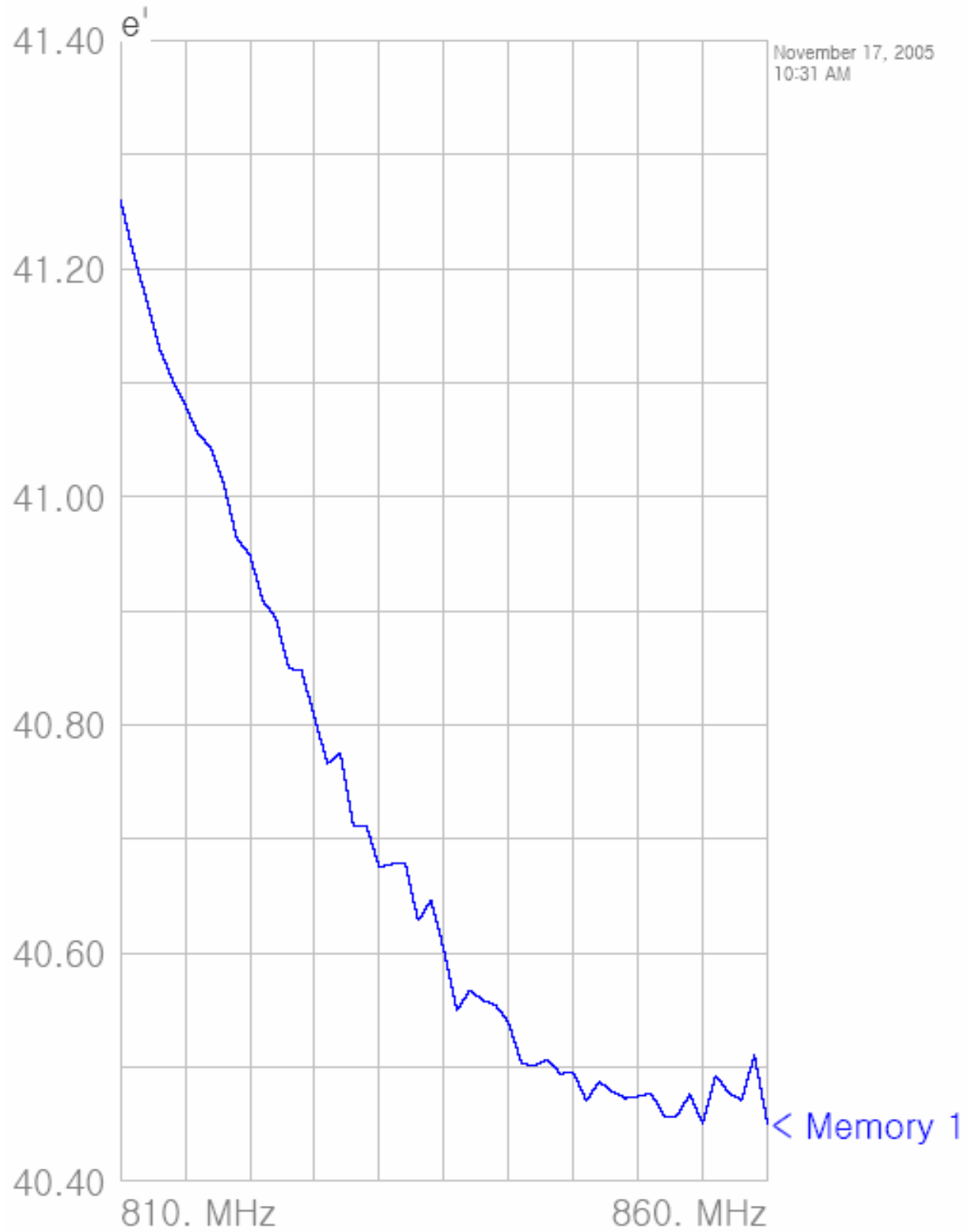
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- Head Tissue

Title
SubTitle





ESTECH Co., Ltd.

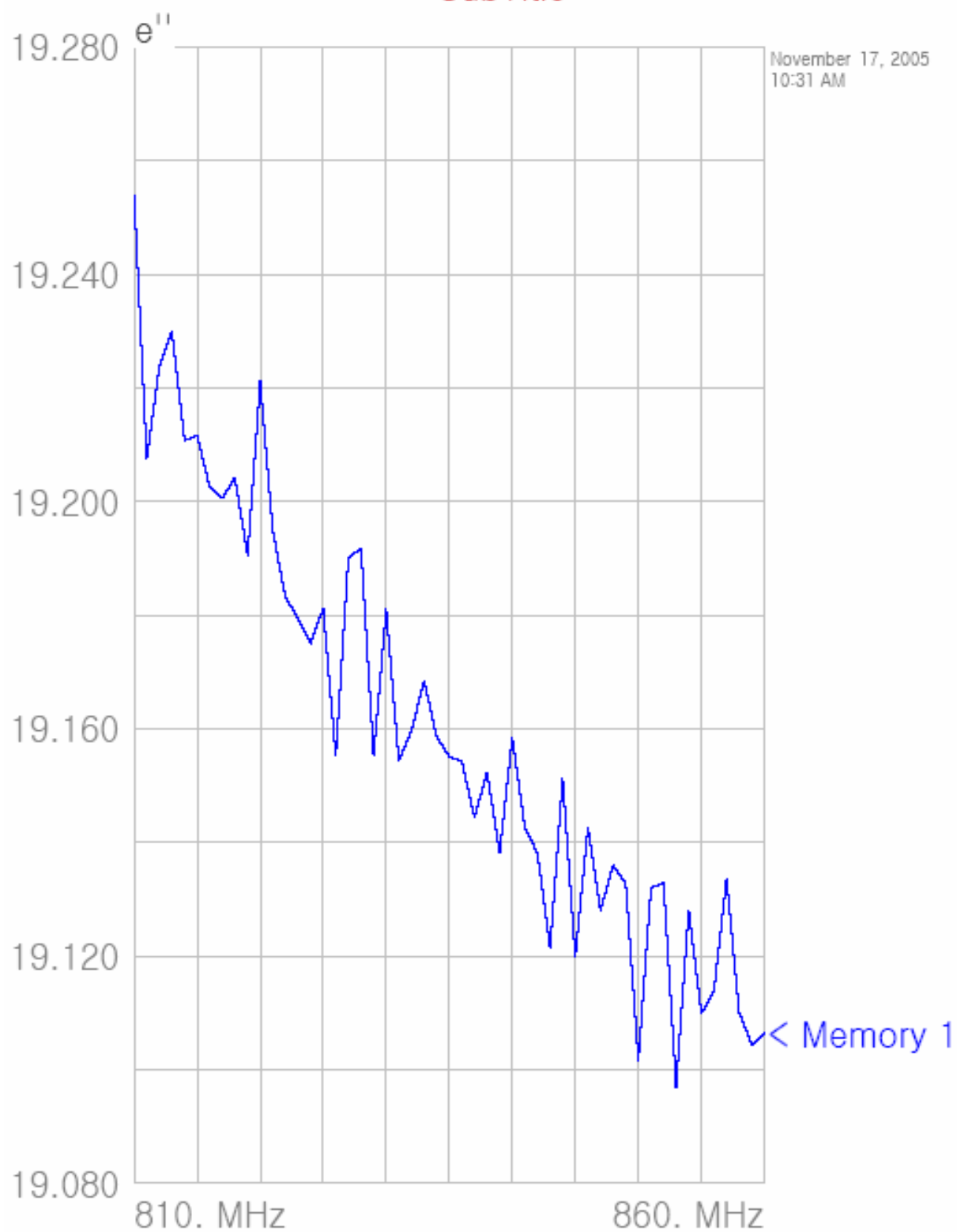
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Title
SubTitle

November 17, 2025 10:21 AM

Frequency	e'	e''
810.000000 MHz	41.2598	19.2540
811.000000 MHz	41.2135	19.2075
812.000000 MHz	41.1734	19.2237
813.000000 MHz	41.1308	19.2299
814.000000 MHz	41.1028	19.2108
815.000000 MHz	41.0803	19.2116
816.000000 MHz	41.0552	19.2025
817.000000 MHz	41.0428	19.2006
818.000000 MHz	41.0105	19.2042
819.000000 MHz	40.9631	19.1905
820.000000 MHz	40.9490	19.2211
821.000000 MHz	40.9089	19.1949
822.000000 MHz	40.8941	19.1832
823.000000 MHz	40.8497	19.1795
824.000000 MHz	40.8475	19.1750
825.000000 MHz	40.8060	19.1812
826.000000 MHz	40.7663	19.1552
827.000000 MHz	40.7750	19.1901
828.000000 MHz	40.7114	19.1918
829.000000 MHz	40.7113	19.1552
830.000000 MHz	40.6755	19.1810
831.000000 MHz	40.6781	19.1543
832.000000 MHz	40.6789	19.1596
833.000000 MHz	40.6282	19.1685
834.000000 MHz	40.6460	19.1586
835.000000 MHz	40.6026	19.1551
836.000000 MHz	40.5495	19.1542
837.000000 MHz	40.5673	19.1444
838.000000 MHz	40.5587	19.1523
839.000000 MHz	40.5544	19.1382
840.000000 MHz	40.5387	19.1584
841.000000 MHz	40.5028	19.1426
842.000000 MHz	40.5013	19.1381
843.000000 MHz	40.5068	19.1213
844.000000 MHz	40.4940	19.1512
845.000000 MHz	40.4956	19.1199
846.000000 MHz	40.4706	19.1427
847.000000 MHz	40.4871	19.1281
848.000000 MHz	40.4787	19.1359
849.000000 MHz	40.4726	19.1328
850.000000 MHz	40.4742	19.1016
851.000000 MHz	40.4773	19.1320
852.000000 MHz	40.4569	19.1329
853.000000 MHz	40.4572	19.0970
854.000000 MHz	40.4761	19.1281
855.000000 MHz	40.4504	19.1099
856.000000 MHz	40.4926	19.1138
857.000000 MHz	40.4776	19.1336
858.000000 MHz	40.4711	19.1101
859.000000 MHz	40.5105	19.1044
860.000000 MHz	40.4497	19.1064



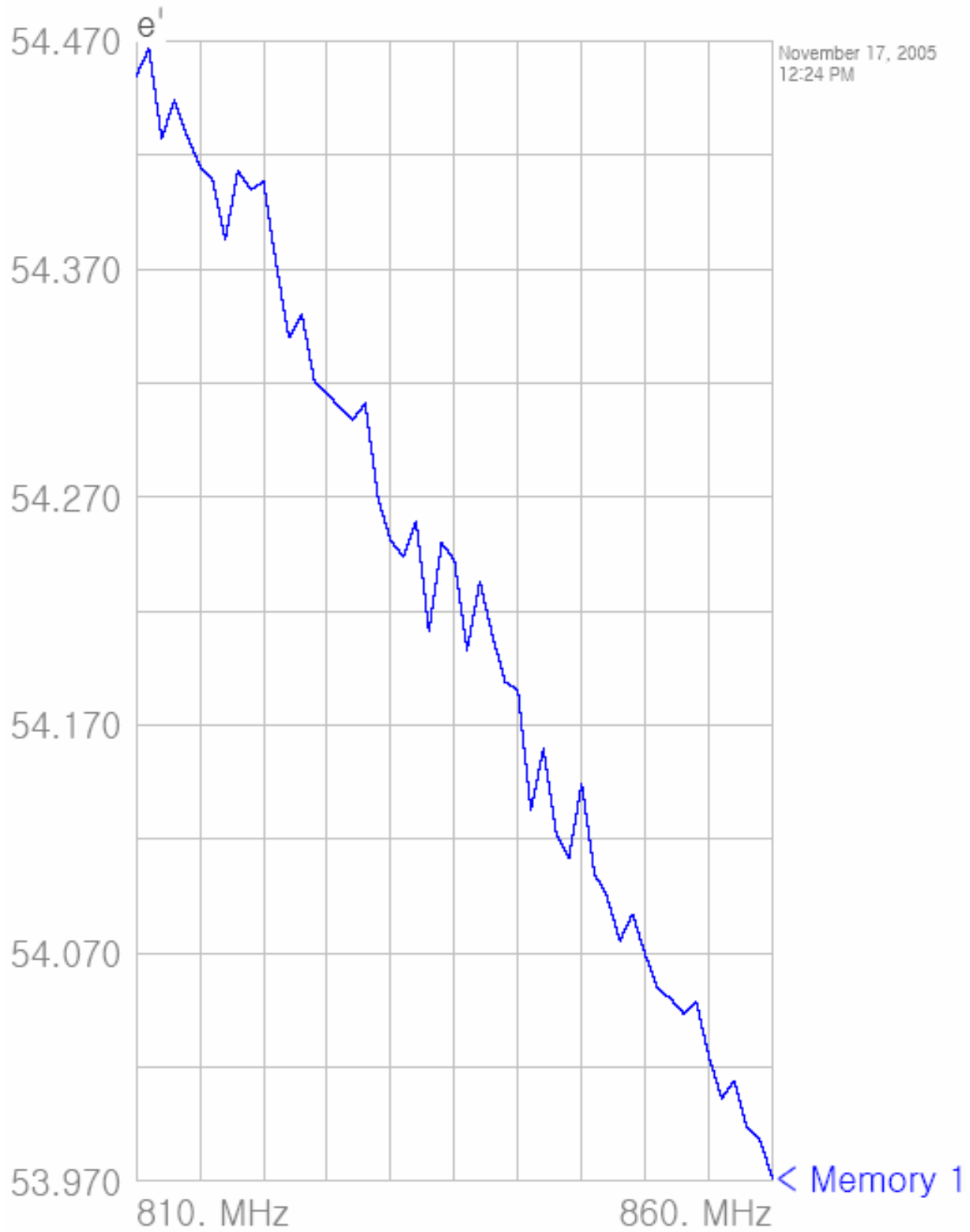
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– Body Tissue

Title
SubTitle





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Title

SubTitle

November 17, 2005 1:22:41 PM

Frequency	e'	e''
810.000000 MHz	54.4546	20.5654
811.000000 MHz	54.4667	20.5732
812.000000 MHz	54.4273	20.5939
813.000000 MHz	54.4440	20.5831
814.000000 MHz	54.4282	20.6064
815.000000 MHz	54.4151	20.6063
816.000000 MHz	54.4093	20.6260
817.000000 MHz	54.3830	20.6196
818.000000 MHz	54.4132	20.6150
819.000000 MHz	54.4048	20.6579
820.000000 MHz	54.4082	20.6407
821.000000 MHz	54.3722	20.6377
822.000000 MHz	54.3398	20.6447
823.000000 MHz	54.3504	20.6471
824.000000 MHz	54.3209	20.6308
825.000000 MHz	54.3155	20.6501
826.000000 MHz	54.3092	20.6365
827.000000 MHz	54.3040	20.6558
828.000000 MHz	54.3111	20.6483
829.000000 MHz	54.2695	20.6587
830.000000 MHz	54.2510	20.6717
831.000000 MHz	54.2440	20.6252
832.000000 MHz	54.2594	20.6699
833.000000 MHz	54.2109	20.6608
834.000000 MHz	54.2499	20.6196
835.000000 MHz	54.2424	20.6616
836.000000 MHz	54.2029	20.6163
837.000000 MHz	54.2331	20.6113
838.000000 MHz	54.2090	20.6374
839.000000 MHz	54.1889	20.5851
840.000000 MHz	54.1852	20.6365
841.000000 MHz	54.1327	20.5854
842.000000 MHz	54.1595	20.5707
843.000000 MHz	54.1225	20.5906
844.000000 MHz	54.1114	20.6063
845.000000 MHz	54.1446	20.5946
846.000000 MHz	54.1050	20.5773
847.000000 MHz	54.0946	20.5655
848.000000 MHz	54.0754	20.5733
849.000000 MHz	54.0872	20.5478
850.000000 MHz	54.0692	20.5444
851.000000 MHz	54.0543	20.5344
852.000000 MHz	54.0500	20.5529
853.000000 MHz	54.0435	20.5073
854.000000 MHz	54.0488	20.5222
855.000000 MHz	54.0245	20.5158
856.000000 MHz	54.0062	20.4963
857.000000 MHz	54.0140	20.4887
858.000000 MHz	53.9934	20.4917
859.000000 MHz	53.9982	20.4782
860.000000 MHz	53.9713	20.4906



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APPENDIX B : Validation Test Data

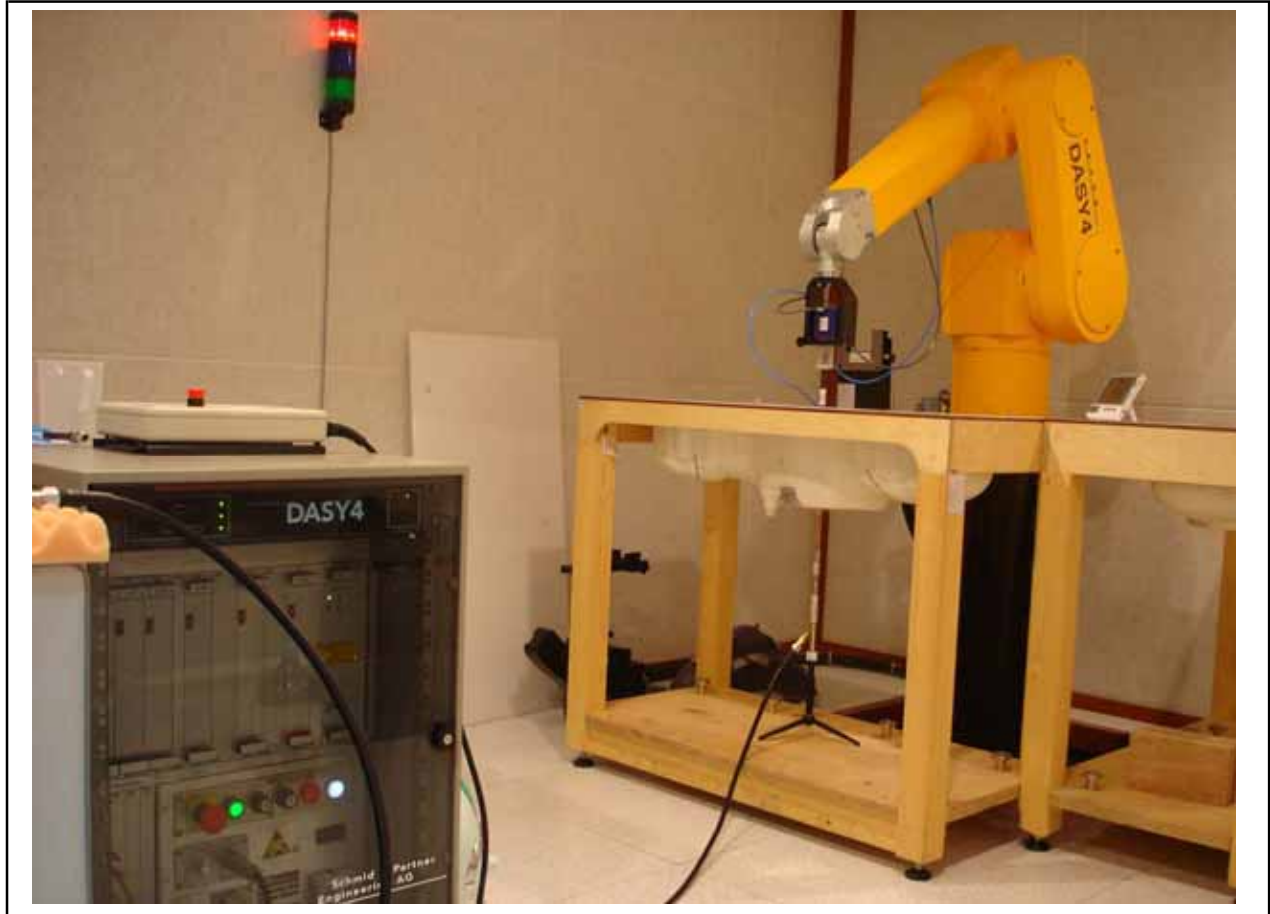


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835MHz Dipole Validation





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Date/Time: 2005-11-17 11:12:54

Test Laboratory: ESTECH

validation - 1117

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:xxx

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL 835MHz Medium parameters used: $f = 835$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1748; ConvF(6.57, 6.57, 6.57); Calibrated: 2005-01-21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn551; Calibrated: 2004-04-28
- Phantom: SAM 835MHz; Type: SAM 835MHz; Serial: TP-1262
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160
- Temperature : 23 °C, Humidity : 46%

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.51 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.0 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 3.45 W/kg

SAR(1 g) = 2.34 mW/g

Maximum value of SAR (measured) = 2.52 mW/g

