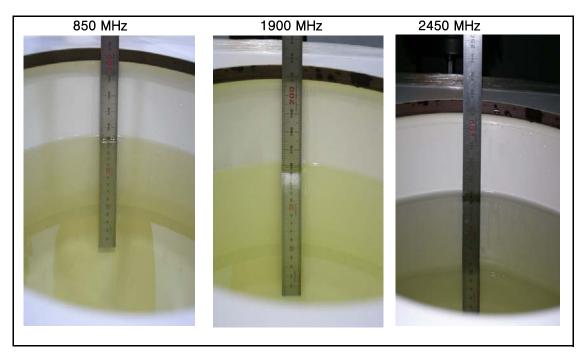


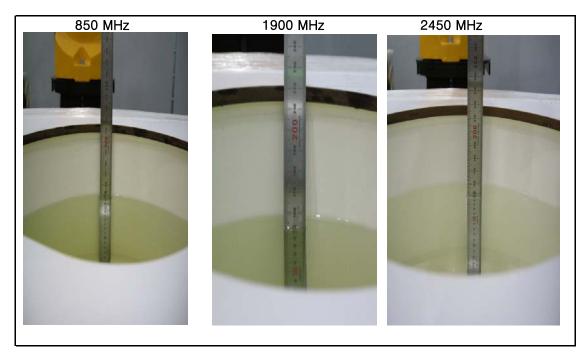
APPENDIX A: Validation Test Data of Tissue



Liquid depth-Head



Liquid depth-Body(Muscle)





- Head/Body Tissue(GSM 850/WCDMA 850)

Head



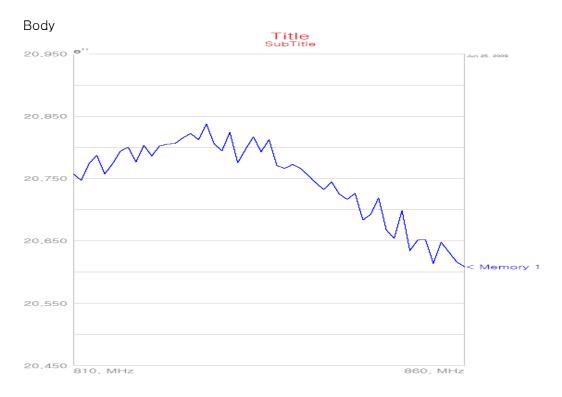


860. MHz



- Head/Body Tissue(GSM 850/WCDMA 850)





- Head/Body Tissue(GSM 850/WCDMA 850)

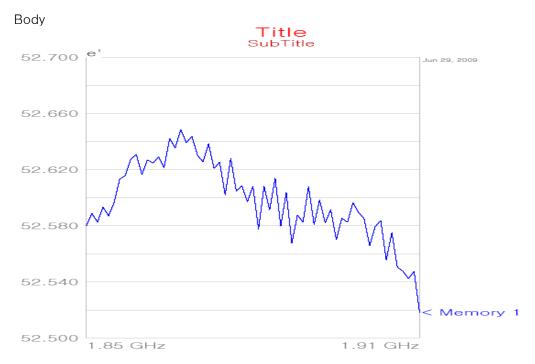
Head	Body
Title	Title
SubTitle	SubTitle Jun 25, 2009

Jun 25, 2009			Jun 25, 2009		
Frequency	e'	e"	Frequency	e'	e"
800,000000 MHz			810.000000 MHz	53.9945	20.7577
800.972940 MHz		21.5500	810.973262 MHz	54.0118	20.7470
801.945880 MHz		21.5400	811.946524 MHz	53.9863	20.7740
802.918821 MHz		21,4914	812.919785 MHz	53.9673	20.7874
803 891761 MHz		21.4988	813.893047 MHz	53.9442	20.7574
804.864701 MHz		21.4555	814.866309 MHz		20.7736
805.843557 MHz		21.4535	815.845418 MHz		20.7941
806.822414 MHz		21.4138	816.824527 MHz		20.8003
807.801270 MHz		21.4018	817.803636 MHz		20.7767
808.780127 MHz		21.3840	818.782745 MHz	53.8768	20.8034
809.758983 MHz		21.3532	819.761854 MHz		20.7862
810.743792 MHz		21.3354	820.746845 MHz		20.8022
811.728601 MHz			821.731836 MHz		20.8055
812.713410 MHz		21.3047 21.3275	822.716828 MHz		20.8061
			823.701819 MHz		20.8156
813.698219 MHz		21.2680	824.686810 MHz		20.8224
814.683027 MHz		21.2518	825.677719 MHz		20.8123
815.673825 MHz		21.2472	826.668628 MHz		20.8379
816.664622 MHz		21.2038	827.659537 MHz		20.8055
817.655419 MHz		21.2021	828.650446 MHz		20.7946
818.646217 MHz		21.1545	829.641354 MHz		20.7940
819.637014 MHz		21.1413	829.641354 MHZ 830.638216 MHZ		20.7753
820.633836 MHz		21.1468			
821.630658 MHz		21.1181	831.635078 MHz		20.7971
822.627481 MHz		21.0950	832.631941 MHz 833.628803 MHz		20.8171
823.624303 MHz		21.0763			20.7929
824.621125 MHz	43.5723	21.0462	834.625665 MHz		20.8129
825.624009 MHz	43.5736	21.0588	835.628516 MHz		20.7710
826.626893 MHz		20.9977	836.631367 MHz		20.7662
827.629776 MHz		21.0016	837.634218 MHz		20.7729
828.632660 MHz		20.9989	838.637068 MHz		20.7664
829.635544 MHz	43.5359	20.9603	839.639919 MHz		20.7554
830.644526 MHz	43.5176	20.9787	840.648795 MHz		20.7428
831.653508 MHz	43.4878	20.9574	841.657671 MHz		20.7328
832.662491 MHz	43.5201	20.9289	842.666547 MHz		20.7446
833.671473 MHz	43.4851	20.9628	843.675423 MHz		20.7249
834.680455 MHz	43.4411	20.8924	844.684299 MHz		20.7167
835.695573 MHz	43.4652	20.9090	845.699236 MHz		20.7264
836.710690 MHz	43.4062	20.8966	846.714173 MHz		20.6836
837.725808 MHz	43.3993	20.8797	847.729110 MHz		20.6928
838.740926 MHz	43.3773	20.9203	848.744047 MHz		20.7192
839.756043 MHz		20.8643	849.758984 MHz		20.6675
840.777334 MHz		20.8514	850.780018 MHz		20.6541
841.798624 MHz	43.3218	20.8587	851.801053 MHz	53.4541	20.6988
842.819915 MHz	43.3150	20.8419	852.822087 MHz	53.4413	20.6342
843.841205 MHz	43.3148	20.8655	853.843122 MHz		20.6517
844.862496 MHz	43.2789	20.8572	854.864157 MHz		20.6523
845.889997 MHz	43.2697	20.8676	855.891325 MHz	53.4024	20.6139
846.917498 MHz	43.2485	20.8551	856.918494 MHz		20.6478
847.944998 MHz	43.2460	20.8394	857.945663 MHz		20.6320
848.972499 MHz	43.2183	20.8394	858.972831 MHz	53.3615	20.6161
850.000000 MHz	43.2183	20.8329	860.000000 MHz		20.6086
630.000000 MHZ	40.2214	20.0000			



- Head/Body Tissue(GSM 1900/WCDMA 1900)

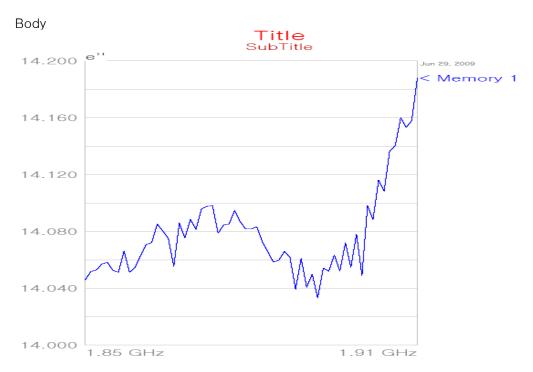






- Head/Body Tissue(GSM 1900/WCDMA 1900)







- Head/Body Tissue(GSM 1900/WCDMA 1900)

Head	Body
Title	Title
SubTitle Jun 20, 2009	SubTitle Jun 20, 2000

UT CN, SUM					
Frequency	e'	e"	Frequency	e'	e"
1.850000000 GHz	38.4337	13.1582	1.850000000 GHz	52.5802	14.0459
			1.850985698 GHz 1.851971397 GHz	52.5889 52.5826	14.0518 14.0529
1.851182838 GHz	38.4372	13.1381	1.852957095 GHz	52.5934	14.0570
1.852365676 GHz	38.4486	13.1606	1.853942793 GHz	52.5871	14.0582
1.853548514 GHz	38.4443	13.1422	1.854928492 GHz	52.5965	14.0526
1.854731352 GHz	38.4445	13.1508	1.855914190 GHz	52.6133	14.0512
1.855914190 GHz	38.4355	13.1442	1.856903039 GHz	52.6158	14.0662
1.857100809 GHz	38.4369	13.1549	1.857891889 GHz	52.6276	14.0512
1.858287429 GHz	38.4427	13.1482	1.858880738 GHz	52.6308	14.0548
1.859474048 GHz	38.4541	13.1411	1.859869588 GHz	52.6165	14.0630
1.860660667 GHz	38,4594	13.1435	1.860858437 GHz	52.6271	14.0708
1.861847287 GHz	38.4453	13.1577	1.861847287 GHz 1.862839297 GHz	52.6246 52.6292	14.0720 14.0852
1.863037699 GHz	38.4553	13.1337	1.863831308 GHz	52.6214	14.0804
1.864228112 GHz	38.4469	13.1474	1.864823319 GHz	52.6423	14.0753
1.865418525 GHz	38.4652	13.1419	1.865815329 GHz	52.6354	14.0554
1.866608938 GHz	38.4503	13.1448	1.866807340 GHz	52.6485	14.0860
			1.867799351 GHz	52.6392	14.0754
1.867799351 GHz	38.4669	13.1462	1.868794533 GHz	52.6438	14.0884
1.868993569 GHz	38.4377	13.1402	1.869789715 GHz	52.6305	14.0815
1.870187787 GHz	38.4543	13.1416	1.870784896 GHz	52.6255	14.0958
1.871382006 GHz	38.4449	13.1293	1.871780078 GHz	52.6384	14.0978
1.872576224 GHz	38.4546	13.1290	1.872775260 GHz 1.873770442 GHz	52.6209 52.6254	14.0982 14.0788
1.873770442 GHz	38.4462	13.1280	1.874768806 GHz	52.6020	14.0700
1.874968479 GHz	38.4426	13.1300	1.875767169 GHz	52.6282	14.0853
1.876166515 GHz	38.4311	13,1191	1.876765533 GHz	52.6047	14.0948
1.877364551 GHz	38.4375	13.1325	1.877763896 GHz	52.6086	14.0868
1.878562587 GHz	38.4273	13.1238	1.878762260 GHz	52.5972	14.0818
1.879760623 GHz	38.4288	13.1197	1.879760623 GHz	52.6083	14.0817
1.880962489 GHz	38.4354	13.1095	1.880762178 GHz	52.5776	14.0833
1.882164355 GHz	38.4286	13.1252	1.881763733 GHz	52.6082	14.0727
1.883366221 GHz	38.4293	13.1245	1.882765288 GHz	52.5913	14.0656
1.884568087 GHz	38.4226	13.1165	1.883766843 GHz 1.884768398 GHz	52.6141 52.5797	14.0584 14.0599
1.885769953 GHz	38.4156		1.885769953 GHz	52.6038	14.0569
		13.1176	1.886774710 GHz	52.5678	14.0617
1.886975662 GHz	38.3992	13.1128	1.887779467 GHz	52.5876	14.0392
1.888181370 GHz	38.3957	13.1147	1.888784224 GHz	52.5826	14.0610
1.889387078 GHz	38.3861	13.1115	1.889788981 GHz	52.6079	14.0407
1.890592787 GHz	38.3745	13.1097	1.890793738 GHz	52.5809	14.0500
1.891798495 GHz	38.3805	13.1174	1.891798495 GHz	52.5984	14.0331
1.893008058 GHz	38.3698	13.1267	1.892806464 GHz	52.5822	14.0543
1.894217620 GHz	38.3592	13.1359	1.893814433 GHz 1.894822402 GHz	52.5915 52.5701	14.0520 14.0635
1.895427183 GHz	38.3567	13.1488	1.895830371 GHz	52.5855	14.0521
1.896636746 GHz	38.3476	13,1367	1.896838340 GHz	52.5826	14.0720
1.897846309 GHz	38.3267	13.1434	1.897846309 GHz	52.5964	14.0548
1.899059738 GHz	38.3281	13.1482	1.898857500 GHz	52.5896	14.0782
1.900273168 GHz	38.3252	13.1556	1.899868691 GHz	52.5851	14.0490
1.901486597 GHz	38.2937	13.1923	1.900879883 GHz	52.5659	14.0981
1.902700027 GHz	38.2872	13.1844	1.901891074 GHz	52.5794	14.0885
1.903913456 GHz	38.2727	13.2106	1.902902265 GHz	52.5837	14.1161
			1.903913456 GHz	52.5557	14.1084
1.905130765 GHz	38.2536	13.2105	1.904927880 GHz 1.905942304 GHz	52.5751 52.5505	14.1366 14.1403
1.906348074 GHz	38.2456	13.2094	1.905942304 GHZ 1.906956728 GHZ	52.5477	14.1403
1.907565383 GHz	38.2360	13.2151	1.907971152 GHz	52.5423	14.1532
1.908782691 GHz	38.2310	13.2471	1.908985576 GHz	52.5477	14.1582
1.910000000 GHz	38.2058	13.2275	1.910000000 GHz	52.5183	14.1880
			1.31000000 GHZ	JE.3100	14.1000



- Head/Body Tissue(WLAN)

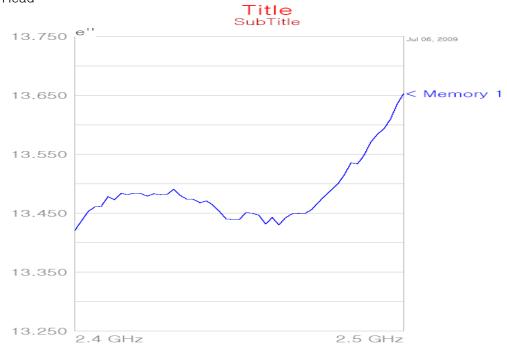






Head/Body Tissue(WLAN)

Head







Head/Body Tissue(WLAN)

Title
HUC
SubTitle

_			-		
Frequency	e'	e"	Frequency	e'	e"
2.400000000 GHz	37.4497	13.4212	2.400000000 GHz	52.1859	13.9910
2.401963461 GHz	37.4375	13.4376	2.401963461 GHz	52.1987	13.9971
2.403926921 GHz	37.4330	13.4534	2.403926921 GHz	52.1862	14.0010
2.405890382 GHz	37,4326	13,4606	2.405890382 GHz	52.1739	14.0049
2.407853843 GHz	37.4330	13.4618	2.407853843 GHz	52.1444	14.0040
2.409817303 GHz	37.4345	13.4783	2.409817303 GHz	52.1441	14.0114
2.411788795 GHz	37.4296	13.4728	2 411788795 GHz	52.1330	14.0251
			2.417760288 GHz	52.1255	14.0268
2.413760288 GHz	37.4380	13.4839	2.415731780 GHz	52.1196	14.0415
2.415731780 GHz	37.4221	13.4816			
2.417703272 GHz	37.4239	13.4844	2.417703272 GHz	52.1107	14.0449
2.419674764 GHz	37.4336	13.4836	2.419674764 GHz	52.1095	14.0424
2.421654321 GHz	37.4378	13,4791	2.421654321 GHz	52.0956	14.0447
2 423633878 GHz	37,4379	13.4831	2.423633878 GHz	52.0770	14.0492
2.425613435 GHz	37.4417	13.4815	2.425613435 GHz	52.0651	14.0678
2.427592991 GHz	37.4363	13.4819	2.427592991 GHz	52.0703	14.0761
2.429572548 GHz	37.4375	13,4906	2.429572548 GHz	52.0632	14.0925
2.431560202 GHz	37.4318	13.4803	2 431560202 GHz	52.0611	14.0950
			2.433547856 GHz	52.0306	14.0811
2.433547856 GHz	37.4588	13.4738	2.435535511 GHz	52.0295	14.0900
2.435535511 GHz	37.4504	13.4738	2.437523165 GHz	52.0290	14.1108
2.437523165 GHz	37.4428	13.4678			
2.439510819 GHz	37.4371	13.4711	2.439510819 GHz	52.0128	14.1262
2.441506604 GHz	37.4552	13.4635	2.441506604 GHz	52.0137	14.1250
2.443502388 GHz	37,4571	13.4526	2.443502388 GHz	51.9989	14.1290
2 445498173 GHz	37,4472	13.4404	2.445498173 GHz	51.9950	14.1415
2.447493958 GHz	37.4301	13.4394	2.447493958 GHz	51.9802	14.1455
2.449489743 GHz	37.4248	13.4396	2.449489743 GHz	51.9597	14,1567
2.451493691 GHz	37.4124	13.4511	2.451493691 GHz	51.9604	14,1785
			2.453497640 GHz	51.9672	14.1699
2.453497640 GHz	37.4223	13.4500	2.455501589 GHz	51.9693	14.1750
2.455501589 GHz	37.4085	13.4464	2.457505537 GHz	51.9482	14.1797
2.457505537 GHz	37.4020	13.4315	2.459509486 GHz	51.9449	14.1689
2.459509486 GHz	37.3897	13.4429	2.461521632 GHz	51.9329	
2.461521632 GHz	37.3740	13.4301			14.1922
2.463533778 GHz	37.3676	13.4422	2.463533778 GHz	51.9387	14.2001
2 465545923 GHz	37.3410	13.4491	2.465545923 GHz	51.9194	14.2177
2.467558069 GHz	37.3418	13.4499	2.467558069 GHz	51.9235	14.2125
2.469570215 GHz	37.3309	13.4495	2.469570215 GHz	51.9035	14.2236
2.471590592 GHz	37.3043	13.4564	2.471590592 GHz	51.9123	14.2277
2.473610968 GHz	37.2981	13.4683	2.473610968 GHz	51.9118	14.2363
			2.475631345 GHz	51.9012	14.2428
2.475631345 GHz	37.2801	13.4791	2.477651722 GHz	51.9092	14.2404
2.477651722 GHz	37.2622	13.4898	2.479672098 GHz	51.8987	14.2469
2.479672098 GHz	37.2384	13.4999	2.481700739 GHz	51.8886	14.2566
2.481700739 GHz	37.2141	13.5158	2.483729380 GHz	51.8790	14.2696
2.483729380 GHz	37.1983	13.5356			
2.485758021 GHz	37,1759	13.5339	2.485758021 GHz	51.8764	14.2734
2.487786662 GHz	37,1591	13.5491	2.487786662 GHz	51.8733	14.2854
2.489815303 GHz	37.1477	13.5708	2.489815303 GHz	51.8551	14.2946
2.491852243 GHz	37.1239	13.5838	2.491852243 GHz	51.8592	14.2859
2.493889182 GHz	37.0974	13.5935	2.493889182 GHz	51.8627	14.2970
			2.495926121 GHz	51.8378	14.2922
2.495926121 GHz	37.0763	13.6097	2.497963061 GHz	51.8367	14.3170
2.497963061 GHz	37.0602	13.6352	2.500000000 GHz	51.8256	14.3169
2.500000000 GHz	37.0537	13.6529			