



## Contact Terminal Level 1 Debug Test Report

Disclaimer:

- This report only relates to the debug test performed in demo units provided by the vendor. It cannot be used as formal test report.
- This report shall be communicated only in full.
- Test results described in this report only relate to the tested samples.

### VENDOR INFORMATION

Vendor Name:	HAMBURG (JIANGSU) CO., LTD.
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### TEST LABORATORY INFORMATION

Test Lab Name:	Beijing Unionpay Card Technology Co., Ltd. (Bank Card Test Center)
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### TEST INFORMATION

Test Session Date	Jun12, 2020
Reference Documents	<ul style="list-style-type: none"><li>● EMV Integrated Circuit Card Specification for Payment Systems, Book 1, Version 4.3, November</li></ul>



	<p>2011</p> <ul style="list-style-type: none"> <li>● IFM Mechanical and Electrical Test Cases, Version 4.3c, April 2018</li> </ul>
Sample Type:	Connectors for IFM Module
Sample Name:	131, 132, 135, 161Type1, 161Type2, 172, 301, 303, 305, 306, 307, 310, 312, 325, 409, 481, 602, 603, 607, 608, 609, 610, 613, 615, 616, 617, 619, 620, 621, 623, 624, 627, 628, 630, 633, 635Type2, 636, 650, 653, 671, 671Type3, 682Type1, 682Type2, 682Type3, 687, 689, 691, 693, 697, 697Type3, 700, 703, 705, 706, 709, 710, 712N, 716, 719, 822.
Test Case	IFM Mechanical Test Cases:1CA.002Contact forces
Test Bench	<ul style="list-style-type: none"> <li>● Brand: PERRIN</li> <li>● Model: PRACX(13013)</li> <li>● S/N: 12091</li> </ul>
Test Result	PASS (See in Annex 1)
Report Approved by	

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## Annex 1: Detailed Test Results

Related Test Report: TEMC201ZU1DP

Test Case: IFM Mechanical Test Cases :1CA.002Contact forces

Passing Criteria: All the results must be between 0.2N and 0.6N

Sample Name	Measurements(N)	C1	C2	C3	C4	C5	C6	C7	C8	
131	Standard	Measurement 1	0.365	0.330	0.265	0.345	0.290	0.290	0.320	0.385
		Measurement 2	0.370	0.335	0.270	0.350	0.295	0.295	0.325	0.390
		Measurement 3	0.365	0.335	0.275	0.345	0.295	0.295	0.325	0.390
		Average	0.367	0.333	0.270	0.347	0.293	0.293	0.323	0.388
	Evolution	Measurement 1	0.380	0.340	0.295	0.355	0.305	0.305	0.325	0.395
		Measurement 2	0.385	0.345	0.305	0.360	0.305	0.305	0.325	0.395
		Measurement 3	0.390	0.345	0.305	0.355	0.305	0.305	0.330	0.410
		Average	0.385	0.343	0.302	0.357	0.305	0.305	0.327	0.400
132	Measurement 1	0.475	0.420	0.360	0.340	0.490	0.485	0.455	0.485	
	Measurement 2	0.465	0.415	0.365	0.340	0.485	0.490	0.460	0.485	
	Measurement 3	0.465	0.415	0.365	0.335	0.485	0.485	0.455	0.485	
	Average	0.468	0.417	0.363	0.338	0.487	0.487	0.457	0.485	
135	Measurement 1	0.375	0.335	0.325	0.335	0.435	0.455	0.415	0.495	
	Measurement 2	0.370	0.345	0.320	0.330	0.425	0.435	0.410	0.495	
	Measurement 3	0.370	0.340	0.335	0.335	0.425	0.435	0.405	0.485	
	Average	0.372	0.340	0.327	0.333	0.428	0.442	0.410	0.492	
161 Type1	Measurement 1	0.310	0.335	0.405	0.485	0.385	0.325	0.315	0.335	
	Measurement 2	0.315	0.340	0.400	0.475	0.380	0.320	0.310	0.325	
	Measurement 3	0.315	0.335	0.395	0.465	0.385	0.325	0.310	0.325	
	Average	0.313	0.337	0.400	0.475	0.383	0.323	0.312	0.328	



161 Type2	Measurement 1	0.335	0.340	0.435	0.495	0.405	0.335	0.315	0.355
	Measurement 2	0.335	0.335	0.420	0.485	0.395	0.345	0.310	0.365
	Measurement 3	0.335	0.340	0.430	0.480	0.415	0.355	0.315	0.355
	Average	0.335	0.338	0.428	0.487	0.405	0.345	0.313	0.358
172	Measurement 1	0.515	0.410	0.400	0.390	0.460	0.445	0.470	0.505
	Measurement 2	0.520	0.400	0.415	0.400	0.465	0.450	0.465	0.490
	Measurement 3	0.525	0.415	0.415	0.390	0.460	0.440	0.450	0.495
	Average	0.520	0.408	0.410	0.393	0.462	0.445	0.462	0.497
301	Measurement 1	0.525	0.520	0.465	0.495	0.390	0.430	0.425	0.435
	Measurement 2	0.520	0.515	0.455	0.485	0.390	0.425	0.420	0.430
	Measurement 3	0.515	0.520	0.455	0.490	0.395	0.425	0.420	0.430
	Average	0.520	0.518	0.458	0.490	0.392	0.427	0.422	0.432
303	Measurement 1	0.520	0.515	0.355	0.385	0.390	0.380	0.365	0.480
	Measurement 2	0.525	0.515	0.360	0.395	0.390	0.385	0.360	0.475
	Measurement 3	0.520	0.515	0.365	0.390	0.395	0.385	0.365	0.475
	Average	0.522	0.515	0.360	0.390	0.392	0.383	0.363	0.477
305	Measurement 1	0.455	0.450	0.365	NA	0.375	0.405	0.485	NA
	Measurement 2	0.450	0.445	0.360	NA	0.380	0.400	0.480	NA
	Measurement 3	0.445	0.445	0.355	NA	0.380	0.410	0.485	NA
	Average	0.450	0.447	0.360	NA	0.378	0.405	0.483	NA
306	Measurement 1	0.465	0.405	0.355	0.405	0.335	0.345	0.370	0.420
	Measurement 2	0.465	0.400	0.365	0.400	0.340	0.345	0.365	0.415
	Measurement 3	0.450	0.410	0.360	0.400	0.340	0.345	0.365	0.415
	Average	0.460	0.405	0.360	0.402	0.338	0.345	0.367	0.417
307	Measurement 1	0.355	0.505	0.375	NA	0.285	0.425	0.455	NA
	Measurement 2	0.365	0.500	0.380	NA	0.290	0.430	0.455	NA
	Measurement 3	0.360	0.510	0.385	NA	0.295	0.430	0.460	NA
	Average	0.360	0.505	0.380	NA	0.290	0.428	0.457	NA
310	Measurement 1	0.420	0.365	0.345	0.375	0.375	0.425	0.445	0.445
	Measurement 2	0.415	0.365	0.335	0.380	0.375	0.420	0.435	0.440
	Measurement 3	0.415	0.365	0.340	0.375	0.375	0.425	0.440	0.435
	Average	0.417	0.365	0.340	0.377	0.375	0.423	0.440	0.440
312	Measurement 1	0.535	0.540	0.515	0.545	0.480	0.505	0.525	0.525



	Measurement 2	0.525	0.535	0.510	0.540	0.485	0.510	0.525	0.525
	Measurement 3	0.525	0.525	0.510	0.540	0.485	0.510	0.525	0.525
	Average	0.528	0.533	0.512	0.542	0.483	0.508	0.525	0.525
325	Measurement 1	0.510	0.510	0.425	0.465	0.365	0.385	0.395	0.405
	Measurement 2	0.510	0.510	0.420	0.460	0.365	0.385	0.395	0.405
	Measurement 3	0.510	0.510	0.425	0.465	0.370	0.390	0.395	0.400
	Average	0.510	0.510	0.423	0.463	0.367	0.387	0.395	0.403
409	Measurement 1	0.350	0.330	0.380	NA	0.370	0.340	0.420	NA
	Measurement 2	0.355	0.335	0.375	NA	0.375	0.345	0.415	NA
	Measurement 3	0.355	0.340	0.375	NA	0.370	0.335	0.415	NA
	Average	0.353	0.335	0.377	NA	0.372	0.340	0.417	NA
481	Measurement 1	0.520	0.510	0.410	NA	0.440	0.440	0.500	NA
	Measurement 2	0.515	0.505	0.405	NA	0.435	0.440	0.495	NA
	Measurement 3	0.515	0.505	0.400	NA	0.440	0.435	0.495	NA
	Average	0.517	0.507	0.405	NA	0.438	0.438	0.497	NA
602	Measurement 1	0.375	0.355	0.300	0.315	0.285	0.295	0.290	0.325
	Measurement 2	0.335	0.330	0.320	0.315	0.280	0.290	0.295	0.325
	Measurement 3	0.360	0.345	0.310	0.310	0.280	0.290	0.295	0.320
	Average	0.357	0.343	0.310	0.313	0.282	0.292	0.293	0.323
603	Measurement 1	0.370	0.355	0.295	0.315	0.285	0.365	0.380	0.425
	Measurement 2	0.375	0.365	0.300	0.310	0.295	0.370	0.375	0.415
	Measurement 3	0.365	0.335	0.295	0.295	0.295	0.355	0.375	0.410
	Average	0.370	0.352	0.297	0.307	0.292	0.363	0.377	0.417
607	Measurement 1	0.340	0.295	0.240	0.295	0.240	0.240	0.260	0.290
	Measurement 2	0.335	0.290	0.235	0.290	0.245	0.245	0.260	0.285
	Measurement 3	0.340	0.295	0.235	0.295	0.240	0.240	0.255	0.285
	Average	0.338	0.293	0.237	0.293	0.242	0.242	0.258	0.287
608	Measurement 1	0.345	0.325	0.295	0.275	0.225	0.255	0.260	0.290
	Measurement 2	0.315	0.320	0.300	0.300	0.235	0.255	0.275	0.295
	Measurement 3	0.335	0.325	0.295	0.285	0.240	0.255	0.275	0.290
	Average	0.332	0.323	0.297	0.287	0.233	0.255	0.270	0.292
609	Measurement 1	0.480	0.400	0.335	0.375	0.375	0.405	0.395	0.470
	Measurement 2	0.475	0.395	0.355	0.385	0.370	0.415	0.425	0.475



	Measurement 3	0.465	0.385	0.360	0.390	0.375	0.415	0.425	0.475
	Average	0.473	0.393	0.350	0.383	0.373	0.412	0.415	0.473
610	Measurement 1	0.525	0.545	0.505	0.505	0.345	0.405	0.430	0.475
	Measurement 2	0.515	0.540	0.500	0.500	0.345	0.405	0.430	0.470
	Measurement 3	0.515	0.535	0.505	0.500	0.345	0.400	0.435	0.475
	Average	0.518	0.540	0.503	0.502	0.345	0.403	0.432	0.473
613	Measurement 1	0.435	0.390	0.335	0.375	0.365	0.475	0.480	0.490
	Measurement 2	0.405	0.345	0.315	0.355	0.355	0.475	0.455	0.495
	Measurement 3	0.455	0.385	0.335	0.365	0.385	0.445	0.490	0.465
	Average	0.432	0.373	0.328	0.365	0.368	0.465	0.475	0.483
615	Measurement 1	0.335	0.385	0.335	0.335	0.325	0.375	0.400	0.405
	Measurement 2	0.335	0.380	0.335	0.325	0.325	0.385	0.425	0.420
	Measurement 3	0.345	0.395	0.355	0.365	0.295	0.405	0.425	0.425
	Average	0.338	0.387	0.342	0.342	0.315	0.388	0.417	0.417
616	Measurement 1	0.415	0.445	0.440	0.485	0.375	0.305	0.295	0.370
	Measurement 2	0.415	0.435	0.435	0.475	0.365	0.295	0.300	0.365
	Measurement 3	0.400	0.445	0.445	0.480	0.370	0.310	0.305	0.365
	Average	0.410	0.442	0.440	0.480	0.370	0.303	0.300	0.367
617	Measurement 1	0.435	0.440	0.420	0.470	0.440	0.470	0.435	0.425
	Measurement 2	0.430	0.435	0.415	0.465	0.435	0.465	0.430	0.420
	Measurement 3	0.425	0.430	0.405	0.455	0.435	0.470	0.435	0.425
	Average	0.430	0.435	0.413	0.463	0.437	0.468	0.433	0.423
619	Measurement 1	0.270	0.265	0.265	0.275	0.305	0.340	0.340	0.370
	Measurement 2	0.265	0.265	0.260	0.275	0.300	0.345	0.345	0.365
	Measurement 3	0.265	0.260	0.260	0.270	0.300	0.340	0.345	0.360
	Average	0.267	0.263	0.262	0.273	0.302	0.342	0.343	0.365
620	Measurement 1	0.365	0.355	0.320	0.335	0.275	0.315	0.335	0.335
	Measurement 2	0.375	0.360	0.315	0.340	0.255	0.315	0.325	0.320
	Measurement 3	0.355	0.345	0.320	0.325	0.265	0.320	0.325	0.330
	Average	0.365	0.353	0.318	0.333	0.265	0.317	0.328	0.328
621	Measurement 1	0.435	0.425	0.365	0.365	0.335	0.335	0.355	0.425
	Measurement 2	0.440	0.430	0.370	0.355	0.330	0.365	0.365	0.420
	Measurement 3	0.435	0.425	0.355	0.370	0.325	0.335	0.365	0.415
	Average	0.437	0.427	0.363	0.363	0.330	0.345	0.362	0.420



623	Measurement 1	0.455	0.425	0.345	0.355	0.304	0.375	0.395	0.440
	Measurement 2	0.445	0.420	0.350	0.355	0.315	0.375	0.405	0.435
	Measurement 3	0.460	0.415	0.350	0.360	0.315	0.370	0.400	0.440
	Average	0.453	0.420	0.348	0.357	0.311	0.373	0.400	0.438
624	Measurement 1	0.455	0.425	0.335	0.395	0.335	0.365	0.400	0.405
	Measurement 2	0.450	0.425	0.335	0.385	0.335	0.370	0.405	0.410
	Measurement 3	0.445	0.415	0.330	0.385	0.325	0.365	0.405	0.400
	Average	0.450	0.422	0.333	0.388	0.332	0.367	0.403	0.405
627	Measurement 1	0.475	0.455	0.405	0.380	0.255	0.285	0.300	0.315
	Measurement 2	0.465	0.460	0.395	0.385	0.275	0.285	0.295	0.315
	Measurement 3	0.445	0.445	0.395	0.390	0.260	0.285	0.295	0.305
	Average	0.462	0.453	0.398	0.385	0.263	0.285	0.297	0.312
628	Measurement 1	0.435	0.405	0.365	0.395	0.370	0.425	0.455	0.480
	Measurement 2	0.485	0.425	0.375	0.395	0.355	0.395	0.435	0.485
	Measurement 3	0.485	0.425	0.375	0.385	0.350	0.375	0.405	0.465
	Average	0.468	0.418	0.372	0.392	0.358	0.398	0.432	0.477
630	Measurement 1	0.530	0.515	0.510	0.535	0.545	0.510	0.515	0.535
	Measurement 2	0.535	0.515	0.515	0.530	0.535	0.510	0.510	0.530
	Measurement 3	0.535	0.510	0.510	0.530	0.530	0.515	0.510	0.535
	Average	0.533	0.513	0.512	0.532	0.537	0.512	0.512	0.533
633	Measurement 1	0.490	0.455	0.385	0.385	0.465	0.325	0.335	0.375
	Measurement 2	0.495	0.445	0.385	0.395	0.455	0.335	0.355	0.355
	Measurement 3	0.490	0.455	0.375	0.395	0.365	0.365	0.355	0.375
	Average	0.492	0.452	0.382	0.392	0.428	0.342	0.348	0.368
635 Type2	Measurement 1	0.470	0.445	0.365	0.375	0.455	0.340	0.345	0.370
	Measurement 2	0.455	0.460	0.395	0.375	0.445	0.345	0.340	0.365
	Measurement 3	0.465	0.485	0.375	0.375	0.455	0.335	0.345	0.370
	Average	0.463	0.463	0.378	0.375	0.452	0.340	0.343	0.368
636	Measurement 1	0.495	0.485	0.515	0.515	0.515	0.545	0.515	0.495
	Measurement 2	0.485	0.495	0.505	0.500	0.505	0.545	0.510	0.490
	Measurement 3	0.490	0.490	0.505	0.510	0.510	0.540	0.525	0.500
	Average	0.490	0.490	0.508	0.508	0.510	0.543	0.517	0.495
650	Measurement 1	0.400	0.290	0.300	0.280	0.280	0.340	0.360	0.400
	Measurement 2	0.405	0.290	0.305	0.295	0.285	0.335	0.355	0.395
	Measurement 3	0.395	0.295	0.300	0.290	0.285	0.340	0.355	0.395



	Average	0.400	0.292	0.302	0.288	0.283	0.338	0.357	0.397
653	Measurement 1	0.410	0.370	0.335	0.320	0.335	0.385	0.390	0.415
	Measurement 2	0.405	0.375	0.330	0.320	0.340	0.365	0.385	0.395
	Measurement 3	0.395	0.365	0.325	0.315	0.335	0.385	0.370	0.385
	Average	0.403	0.370	0.330	0.318	0.337	0.378	0.382	0.398
671	Measurement 1	0.445	0.395	0.305	0.345	0.365	0.365	0.335	0.335
	Measurement 2	0.435	0.395	0.315	0.345	0.370	0.365	0.335	0.330
	Measurement 3	0.440	0.405	0.310	0.355	0.365	0.370	0.340	0.340
	Average	0.440	0.398	0.310	0.348	0.367	0.367	0.337	0.335
671 Type3	Measurement 1	0.470	0.445	0.365	0.365	0.350	0.350	0.365	0.415
	Measurement 2	0.465	0.450	0.365	0.360	0.345	0.355	0.360	0.415
	Measurement 3	0.460	0.440	0.365	0.365	0.355	0.355	0.335	0.405
	Average	0.465	0.445	0.365	0.363	0.350	0.353	0.353	0.412
682 Type1	Measurement 1	0.370	0.375	0.355	0.375	0.315	0.335	0.305	0.350
	Measurement 2	0.365	0.380	0.345	0.380	0.320	0.340	0.300	0.345
	Measurement 3	0.355	0.375	0.345	0.375	0.315	0.335	0.305	0.355
	Average	0.363	0.377	0.348	0.377	0.317	0.337	0.303	0.350
682 Type2	Measurement 1	0.340	0.325	0.375	0.360	0.305	0.285	0.295	0.285
	Measurement 2	0.335	0.330	0.365	0.360	0.300	0.280	0.285	0.285
	Measurement 3	0.325	0.335	0.360	0.365	0.300	0.270	0.285	0.295
	Average	0.333	0.330	0.367	0.362	0.302	0.278	0.288	0.288
682 Type3	Measurement 1	0.315	0.335	0.305	0.340	0.275	0.255	0.255	0.305
	Measurement 2	0.315	0.330	0.300	0.335	0.285	0.260	0.255	0.310
	Measurement 3	0.315	0.330	0.305	0.335	0.285	0.265	0.255	0.305
	Average	0.315	0.332	0.303	0.337	0.282	0.260	0.255	0.307
687	Measurement 1	0.510	0.390	0.360	0.345	0.455	0.465	0.365	0.435
	Measurement 2	0.505	0.395	0.365	0.345	0.450	0.460	0.360	0.430
	Measurement 3	0.505	0.395	0.360	0.345	0.455	0.465	0.365	0.435
	Average	0.507	0.393	0.362	0.345	0.453	0.463	0.363	0.433
689	Measurement 1	0.425	0.355	0.360	0.405	0.335	0.385	0.415	0.455
	Measurement 2	0.430	0.355	0.355	0.395	0.335	0.380	0.420	0.435
	Measurement 3	0.425	0.355	0.365	0.395	0.335	0.375	0.420	0.455
	Average	0.427	0.355	0.360	0.398	0.335	0.380	0.418	0.448
691	Measurement 1	0.395	0.395	0.440	0.495	0.405	0.325	0.325	0.325
	Measurement 2	0.395	0.395	0.435	0.485	0.400	0.325	0.325	0.325





	Measurement 3	0.390	0.390	0.425	0.490	0.405	0.325	0.320	0.320
	Average	0.393	0.393	0.433	0.490	0.403	0.325	0.323	0.323
693	Measurement 1	0.355	0.335	0.380	0.450	0.380	0.365	0.360	0.315
	Measurement 2	0.355	0.335	0.375	0.455	0.380	0.365	0.360	0.315
	Measurement 3	0.350	0.330	0.370	0.455	0.380	0.360	0.355	0.315
	Average	0.353	0.333	0.375	0.453	0.380	0.363	0.358	0.315
697	Measurement 1	0.375	0.395	0.420	0.475	0.380	0.340	0.365	0.315
	Measurement 2	0.375	0.385	0.415	0.470	0.375	0.355	0.360	0.310
	Measurement 3	0.370	0.385	0.415	0.475	0.380	0.345	0.365	0.315
	Average	0.373	0.388	0.417	0.473	0.378	0.347	0.363	0.313
697 Type3	Measurement 1	0.420	0.440	0.415	0.535	0.455	0.405	0.315	0.345
	Measurement 2	0.420	0.435	0.410	0.525	0.450	0.400	0.310	0.335
	Measurement 3	0.415	0.440	0.415	0.530	0.450	0.400	0.315	0.325
	Average	0.418	0.438	0.413	0.530	0.452	0.402	0.313	0.335
700	Measurement 1	0.270	0.280	0.245	0.275	0.275	0.235	0.265	0.265
	Measurement 2	0.285	0.290	0.265	0.275	0.280	0.265	0.265	0.275
	Measurement 3	0.285	0.295	0.265	0.270	0.270	0.255	0.250	0.285
	Average	0.280	0.288	0.258	0.273	0.275	0.252	0.260	0.275
703	Measurement 1	0.265	0.235	0.260	0.305	0.265	0.310	0.310	0.325
	Measurement 2	0.275	0.255	0.245	0.295	0.260	0.310	0.295	0.315
	Measurement 3	0.275	0.245	0.255	0.300	0.265	0.305	0.315	0.305
	Average	0.272	0.245	0.253	0.300	0.263	0.308	0.307	0.315
705	Measurement 1	0.345	0.325	0.320	0.365	0.265	0.305	0.335	0.355
	Measurement 2	0.340	0.335	0.315	0.365	0.265	0.310	0.325	0.355
	Measurement 3	0.335	0.345	0.315	0.365	0.265	0.310	0.335	0.365
	Average	0.340	0.335	0.317	0.365	0.265	0.308	0.332	0.358
706	Measurement 1	0.295	0.345	0.285	0.325	0.295	0.315	0.305	0.300
	Measurement 2	0.290	0.335	0.280	0.315	0.285	0.305	0.300	0.305
	Measurement 3	0.295	0.325	0.285	0.320	0.285	0.310	0.310	0.300
	Average	0.293	0.335	0.283	0.320	0.288	0.310	0.305	0.302
709	Measurement 1	0.525	0.485	0.455	0.420	0.390	0.355	0.355	0.455
	Measurement 2	0.515	0.470	0.450	0.425	0.395	0.360	0.360	0.460
	Measurement 3	0.510	0.475	0.455	0.415	0.395	0.350	0.355	0.455
	Average	0.517	0.477	0.453	0.420	0.393	0.355	0.357	0.457
710	Measurement 1	0.545	0.410	0.420	0.385	0.455	0.440	0.470	0.485



	Measurement 2	0.545	0.435	0.415	0.400	0.455	0.455	0.455	0.490
	Measurement 3	0.535	0.405	0.415	0.390	0.455	0.455	0.455	0.495
	Average	0.542	0.417	0.417	0.392	0.455	0.450	0.460	0.490
	Average	0.517	0.477	0.453	0.420	0.393	0.355	0.357	0.457
712N	Measurement 1	0.330	0.320	0.300	0.305	0.240	0.250	0.265	0.315
	Measurement 2	0.335	0.320	0.305	0.300	0.240	0.245	0.260	0.310
	Measurement 3	0.330	0.325	0.310	0.300	0.245	0.255	0.255	0.305
	Average	0.332	0.322	0.305	0.302	0.242	0.250	0.260	0.310
716	Measurement 1	0.450	0.455	0.450	0.460	0.285	0.355	0.360	0.375
	Measurement 2	0.445	0.450	0.445	0.460	0.295	0.345	0.360	0.365
	Measurement 3	0.455	0.450	0.445	0.455	0.290	0.350	0.355	0.370
	Average	0.450	0.452	0.447	0.458	0.290	0.350	0.358	0.370
719	Measurement 1	0.415	0.415	0.435	0.455	0.285	0.345	0.345	0.385
	Measurement 2	0.405	0.410	0.430	0.455	0.290	0.335	0.335	0.370
	Measurement 3	0.405	0.415	0.430	0.445	0.285	0.345	0.345	0.375
	Average	0.408	0.413	0.432	0.452	0.287	0.342	0.342	0.377
822	Measurement 1	0.360	0.385	0.375	0.365	0.235	0.265	0.275	0.305
	Measurement 2	0.365	0.380	0.375	0.355	0.245	0.265	0.270	0.300
	Measurement 3	0.355	0.380	0.370	0.365	0.235	0.260	0.275	0.300
	Average	0.360	0.382	0.373	0.362	0.238	0.263	0.273	0.302

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