

B1505A-01B-S

Safety Service Note

Implemented During Normal Course of Providing Support

Supersedes:
B1505A-01A-S

B1505A Power Device Analyzer/Curve Tracer Mainframe

Serial Numbers: see below

POSSIBLE SHOCK HAZARD

WARNING

HAZARD CLASS 2

There is a possibility of an electrical shock hazard.

Parts Required:

NONE

ADMINISTRATIVE INFORMATION

ACTION		STANDARDS	
CATEGORY:	X AGREEABLE TIME	LABOR: 1.0 Hours	
LOCATION	X CUSTOMER INSTALLABLE	SERVICE:	<input type="checkbox"/> RETURN
CATEGORY:	<input type="checkbox"/> ON-SITE (active On-site contract required)	USED	<input type="checkbox"/> RETURN
	X SERVICE CENTER	INVENTORY:	<input type="checkbox"/> SCRAP
	<input type="checkbox"/> CHANNEL PARTNERS	X SEE TEXT	PARTS:
			<input type="checkbox"/> SCRAP
			X SEE TEXT
AVAILABILITY:	ALWAYS	NO CHARGE AVAILABLE UNTIL: EOS	
	<input type="checkbox"/> Calibration Required	PRODUCT LINE: 1H	
	X Calibration NOT Required	AUTHOR: HT	

ADDITIONAL INFORMATION:



Situation:

Continuous atmospheric electric discharge may occur on DUT during the measurement with HVSMU (B1513A / B). If it occurs, the hazardous voltage may appear at DUT terminals and it may take some time for the voltage to fall to a safe level. The cause of the problem is that the big electrical noise caused by the electric discharge interferes the proper software operation.

Solution/Action:

Updating the firmware to A05.04 or later by installing EasyEXPERT software can solve this issue. Check the firmware revision of the instrument and update the revision to A.05.04 or later, if necessary.

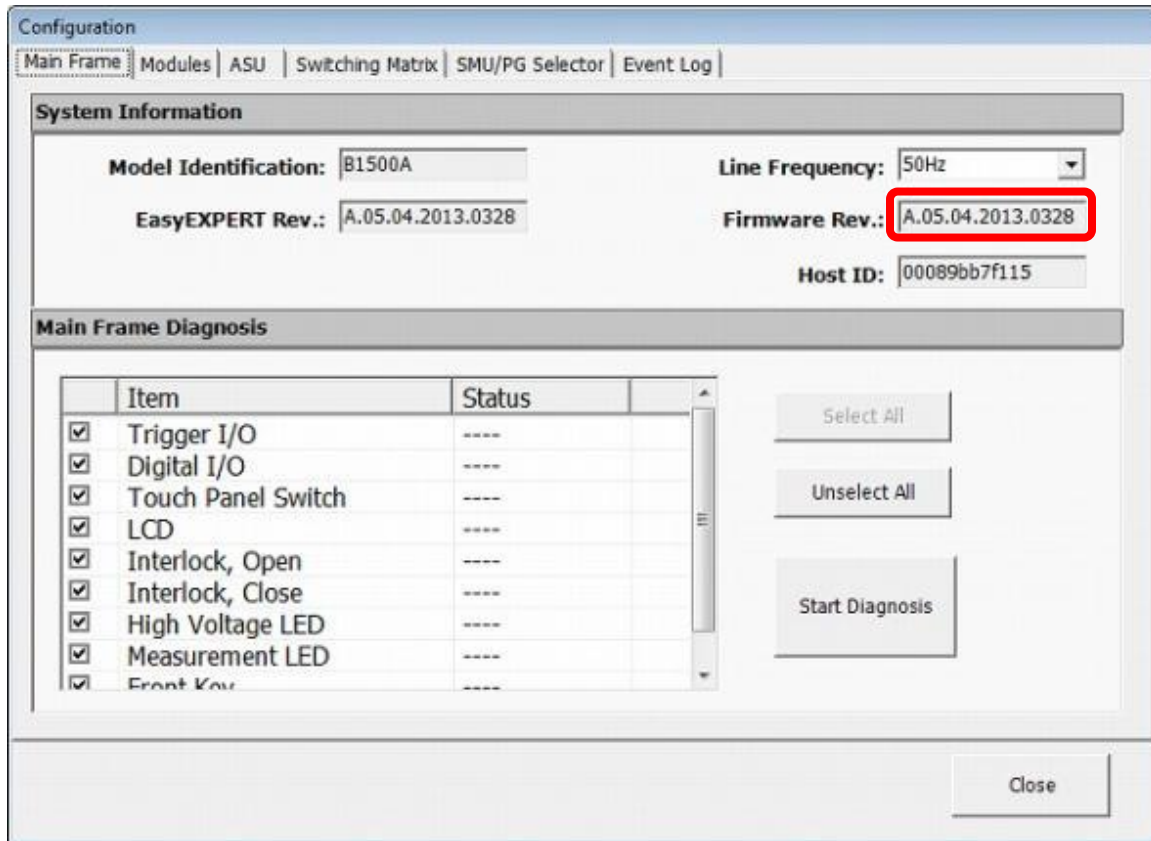
Step 1: Determine whether or not the instrument is affected by this issue.

(Note: This can be done by the customer without contacting Keysight.)

- (a) Check to see if the instrument serial number is included in the lists shown on pages 4 & 5.
If your instrument serial number is not included in these lists, then this Service Note does not apply.
- (b) Check the firmware revision of the instrument as follows.
 - Start EasyEXPERT and go to “Configuration” window.
 - Check the firmware revision displayed in the “Firmware Rev.:" section.
(indicated by ‘red’ square in the screenshot below.)

If the revision displayed is A.05.04 or later, then this Service Note does not apply.

If the revision displayed is A.05.03 or earlier, proceed to the next step.



Step 2: Updating the firmware to A.05.04 or later revision by installing EasyEXPERT Software.
 (Note: This can be done, without contacting Keysight.)

- (a) Visit the below software download website
<https://www.keysight.com/main/software.jsp?ckey=2351015&lc=eng&cc=US&nid=-33786.809392&id=2351015>
- (b) Download A.05.04 or later revision software, by clicking the 'Download' button in the website. If the above does not work, you can also visit the site as follows.
 1. Go to www.keysight.com/find/b1505a
 2. Find and click "Technical Support",
 3. Click "Drivers, firmware & Software" tab,
 4. Click "EasyEXPERT group+ software (for B150x mainframe)
 5. Click the "Download" button for the version A.05.04 or later
- (c) Install and update the software following the instruction in the website.

If you need support from Keysight

If you need support, please contact the Keysight Sales or responsible Keysight authorized Sales company to get the phone support from Keysight Service Center.

And if you prefer getting the software update to be performed at the Keysight Service Center, please communicate it, too. And in this case, please understand that even though the installation is performed free of charge, you will need to ship B1505A to the Keysight Service Center.

Affected Instrument in the Serial Number Ranges;

The serial number ranges on the front page of this Service Note refers to instruments that were newly shipped, but only a subset of these were affected by this defect. The instruments listed below are known to be affected.

JP49270101	JP49320134	JP49320174	JP49320212	JP49320252	JP49320302
JP49270102	JP49320135	JP49320175	JP49320213	JP49320253	JP49320303
JP49270103	JP49320136	JP49320176	JP49320214	JP49320254	JP49320304
JP49270104	JP49320137	JP49320177	JP49320215	JP49320255	JP49320305
JP49270105	JP49320138	JP49320178	JP49320216	JP49320256	JP49320308
JP49270106	JP49320139	JP49320179	JP49320217	JP49320257	JP49320309
JP49270107	JP49320140	JP49320180	JP49320218	JP49320258	JP49320313
JP49270108	JP49320141	JP49320181	JP49320219	JP49320259	JP49320314
JP49270110	JP49320142	JP49320182	JP49320220	JP49320260	JP49320315
JP49270111	JP49320143	JP49320183	JP49320221	JP49320263	JP49320316
JP49270112	JP49320144	JP49320184	JP49320222	JP49320264	JP49320317
JP49270113	JP49320145	JP49320185	JP49320223	JP49320265	JP51420101
JP49320101	JP49320146	JP49320186	JP49320224	JP49320266	JP51420102
JP49320102	JP49320147	JP49320187	JP49320225	JP49320269	JP51420104
JP49320103	JP49320149	JP49320188	JP49320226	JP49320270	JP51420105
JP49320106	JP49320150	JP49320189	JP49320227	JP49320275	JP51420106
JP49320107	JP49320151	JP49320190	JP49320228	JP49320276	JP51420107
JP49320109	JP49320152	JP49320191	JP49320229	JP49320277	JP51420108
JP49320110	JP49320153	JP49320192	JP49320230	JP49320278	JP51420109
JP49320112	JP49320155	JP49320193	JP49320231	JP49320279	JP51420110
JP49320114	JP49320156	JP49320194	JP49320232	JP49320280	JP51420111
JP49320116	JP49320157	JP49320195	JP49320233	JP49320281	JP51420112
JP49320117	JP49320158	JP49320196	JP49320234	JP49320282	JP51420113
JP49320118	JP49320159	JP49320197	JP49320235	JP49320283	JP51420114
JP49320119	JP49320160	JP49320198	JP49320236	JP49320285	JP51420115
JP49320120	JP49320161	JP49320199	JP49320237	JP49320288	JP51420116
JP49320122	JP49320162	JP49320200	JP49320239	JP49320290	JP51420117
JP49320123	JP49320163	JP49320202	JP49320240	JP49320292	JP51420118
JP49320124	JP49320164	JP49320203	JP49320243	JP49320293	JP51420119
JP49320125	JP49320166	JP49320204	JP49320244	JP49320294	JP51420120
JP49320127	JP49320167	JP49320205	JP49320245	JP49320295	JP51420121
JP49320128	JP49320168	JP49320206	JP49320246	JP49320296	JP51420122
JP49320129	JP49320169	JP49320207	JP49320247	JP49320297	JP51420123
JP49320130	JP49320170	JP49320208	JP49320248	JP49320298	
JP49320131	JP49320171	JP49320209	JP49320249	JP49320299	
JP49320132	JP49320172	JP49320210	JP49320250	JP49320300	
JP49320133	JP49320173	JP49320211	JP49320251	JP49320301	

MY51330101	MY51330127	MY52310107	MY52310148	MY52310169	MY53010292
MY51330102	MY51330128	MY52310112	MY52310149	MY52310170	MY53010293
MY51330103	MY51330129	MY52310113	MY52310150	MY52310171	MY53010294
MY51330105	MY51330130	MY52310116	MY52310151	MY52310175	MY53010295
MY51330106	MY51330131	MY52310120	MY52310152	MY52310177	MY53010296
MY51330107	MY51330132	MY52310123	MY52310153	MY52310178	MY53010297
MY51330108	MY51330133	MY52310124	MY52310154	MY52310180	MY53010301
MY51330112	MY51330134	MY52310125	MY52310155	MY52310181	MY53010302
MY51330113	MY51330135	MY52310129	MY52310156	MY53010101	MY53010303
MY51330114	MY51330136	MY52310130	MY52310157	MY53010158	MY53010304
MY51330116	MY51330137	MY52310138	MY52310158	MY53010163	MY53010305
MY51330117	MY51330138	MY52310140	MY52310159	MY53010238	MY53010306
MY51330119	MY51330139	MY52310141	MY52310161	MY53010261	MY53010307
MY51330121	MY51330140	MY52310142	MY52310163	MY53010262	
MY51330122	MY51330141	MY52310143	MY52310164	MY53010270	
MY51330124	MY52310101	MY52310144	MY52310165	MY53010272	
MY51330125	MY52310102	MY52310146	MY52310166	MY53010274	
MY51330126	MY52310103	MY52310147	MY52310168	MY53010291	
SG51330101					
SG51330102					
SG52310101					
SG52310102					

Revision History:

Date	Service Note Revision	Author	Reason for Change
16 Oct 2013	01	Hiro Tsunemoto	Initial Release
31 Oct 2013	01A	Hiro Tsunemoto	Add the statement that the installation in Keysight Service Center is free of charge.
08 Feb 2019	01B	Hiro Tsunemoto	Changed from Agilent to Keysight. No Charge Date changed to End of Support.