


	FUNCTIONAL TEST	PFAFA-24-00-10-00/1	Issue	B	Pages	59
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Aircraft	A330 - MRTT					
Title: <i>Electrical grounding test of new equipment installed on the A330-MRTT aircraft</i>						
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REVISIONS RECORD

[illegible]

1 INTRODUCTION

1.1 Object

This document describes the necessary tests in order to ensure a proper electrical grounding of the complete aircraft.

1.2 List of acronyms and abbreviations

A	Ampere
AAR	Air to Air Refuel
AC	Alternate current
ARBS	Advanced Refueling Boom System
A/C	Aircraft
DC	Direct current
GPU	Ground Power Unit
MRTT	Multi-Role Tanker Transport
NCS	Non-Conformity Sheet (HNC)
mΩ	miliohm

2 APPLICABLE DOCUMENTATION

NT-FA-SAM-06002	Bonding and grounding measurement requirements for the electrical and electronic systems of A330 MRTT Tanker Conversion
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3 REQUIRED EQUIPMENT

3.1 Required hardware

The following equipment is required for the performance of the functional test:

- High-current micro-ohm-meter, capable of giving 150 A currents and measuring resistances of at least 0,5 mΩ.
- Medium and low current micro-ohm- meter, capable of giving 10 A, and measuring resistance of at least 1 mΩ.
- Set of probes suitable for the aircraft under test.

3.2 Required software

Not applicable.

4 PRELIMINARY INSTRUCTIONS

4.1 Preliminary actions

Before the execution of the test, the following items must be checked:

- Proper aircraft main structure connection to ground

4.2 Security instructions

For safety reasons, the following items must be checked:

- There exist means for the extinguishing of electric fire in the aircraft boundaries.
- Fuel tanks are empty and there is no risk of explosion.
- All breakers, control switches and selectors related to electrical installation are in OFF position.
- Main electrical wiring from power supplies to busbars, as well as its return path, has been passed its corresponding electrical continuity test.

5 TEST EXECUTION

5.1 Check that all ground points have been made successfully in its manufacturing operations according to I+D-P 355, and that all operations related to ground points creation have been closed and stamped.

5.2 Electrical resistance shall be measured between the points stated in the following tables of chapter 6.

The procedure for all measurements shall be the following:

- a) Prepare the micro-ohm-meter for resistance measurements, and connect its probes to the A and B points indicated in the tables. Be careful to place the probes in ground zones or conductive elements of the primary structure that are free of paint or any non-conductive layer.

IMPORTANT NOTE: If any measurement point is not free of paint or any other non-conductive layer, press the probe slightly in order to reach the metallic zone. If the measurement is still off limits, clean the measurement point eliminating any non-conductive layers and perform the measurement again.

- b) After each measurement, compare the obtained value with the maximum permitted value. If the measured value is off limits, take the appropriate corrective action, making an NCS if necessary. Write down NCS numbers on table V of chapter 6.

- c) Once the corrective action is accomplished, perform the measurement again. If the obtained value is correct, write down the results on the corresponding table. Repeat step b) if the measurement is again off limits.

5.3 Write down all data related to the test equipment used on table IV of chapter 6.

IMPORTANT NOTE

Every ground point of this functional test must be measured in first aircraft only.

From the second aircraft, the ground points must be measured according to the following rules:

Every ground point from Table I must be measured.

Every ground point with cable section gauge 16 and larger from tables II and III must be measured.

Ground points from tables II and III with cable section lower than gauge 16 must be measured only if the last digit of its number is the same of the last digit of the serial number of the aircraft, I.E. ground point T504VN must be measured only in aircrafts S/N 4, 14, 24 and so on.

6 TEST RESULTS

Table I. Current returns to the aircraft earth: high intensity

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
1.1	TRU 3 grounding point (A799VN)	Adjacent aircraft structure	1		150	
1.2	TRU 4 grounding point (A062VN)	Adjacent aircraft structure	1		150	
1.3	FTI batteries grounding point (009ZVN)	Adjacent aircraft structure	1		150	
1.4 (*)	TRU 3 grounding point (A799VN)	APU Battery grounding point (5160VN)	1		150	
1.5 (*)	TRU 4 grounding point (A062VN)	APU Battery grounding point (5160VN)	1		150	
1.6 (*)	FTI batteries grounding point (009ZVN)	APU Battery grounding point (5160VN)	1		150	
1.7	A549VN	Adjacent aircraft structure	1		150	
1.8	A550VN	Adjacent aircraft structure	1		150	
1.9	A547VN	Adjacent aircraft structure	1		150	
1.10	A548VN	Adjacent aircraft structure	1		150	
1.11	A007VN	Adjacent aircraft structure	1		150	
1.12	A009VN	Adjacent aircraft structure	1		150	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
1.13	A002VN	Adjacent aircraft structure	1		150	
1.14	A004VN	Adjacent aircraft structure	1		150	

(*) In case of probe cable length is too short, measurement will be performed in existing TRU grounding point as reference point.

Table II. Current returns to the aircraft earth: medium and low intensity. Boom systems

* Current applied will be 10 A when cables connected to ground point are gauge 16 or larger, and 1 A otherwise.

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
2.1	Grounding point T500VN	Adjacent aircraft structure	1		*	
2.2	Grounding point T501VN	Adjacent aircraft structure	1		*	
2.3	Grounding point T502VN	Adjacent aircraft structure	1		*	
2.4	Grounding point T503VN	Adjacent aircraft structure	1		*	
2.5	Grounding point T504VN	Adjacent aircraft structure	1		*	
2.6	Grounding point T505VN	Adjacent aircraft structure	1		*	
2.7	Grounding point T506VN	Adjacent aircraft structure	1		*	
2.8	Grounding point T507VN	Adjacent aircraft structure	1		*	
2.9	Grounding point T600VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
2.10	Grounding point T601VN	Adjacent aircraft structure	1		*	
2.11	Grounding point T602VN	Adjacent aircraft structure	1		*	
2.12	Grounding point T603VN	Adjacent aircraft structure	1		*	
2.13	Grounding point T604VN	Adjacent aircraft structure	1		*	
2.14	Grounding point T605VN	Adjacent aircraft structure	1		*	
2.15	Grounding point T790VN	Adjacent aircraft structure	1		*	
2.16	Grounding point T791VN	Adjacent aircraft structure	1		*	
2.17	Grounding point T792VN	Adjacent aircraft structure	1		*	
2.18	Grounding point T793VN	Adjacent aircraft structure	1		*	
2.19	Grounding point T794VN	Adjacent aircraft structure	1		*	
2.20	Grounding point T795VN	Adjacent aircraft structure	1		*	
2.21	Grounding point T900VN	Adjacent aircraft structure	1		*	
2.22	Grounding point T901VN	Adjacent aircraft structure	1		*	
2.23	Grounding point T902VN	Adjacent aircraft structure	1		*	
2.24	Grounding point ZM3-101	Adjacent aircraft structure	1		*	
2.25	Grounding point ZM3-102	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
2.26	Grounding point ZM3-103	Adjacent aircraft structure	1		*	
2.27	Grounding point ZM3-104	Adjacent aircraft structure	1		*	
2.28	Grounding point ZM3-105	Adjacent aircraft structure	1		*	
2.29	Grounding point ZM3-106	Adjacent aircraft structure	1		*	
2.30	Grounding point ZM3-107	Adjacent aircraft structure	1		*	
2.31	Grounding point ZM3-110	Adjacent aircraft structure	1		*	
2.32	Grounding point ZM3-114	Adjacent aircraft structure	1		*	
2.33	Grounding point ZM3-115	Adjacent aircraft structure	1		*	
2.34	Grounding point ZM3-116	Adjacent aircraft structure	1		*	
2.35	Grounding point ZM3-120	Adjacent aircraft structure	1		*	
2.36	Grounding point ZM3-121	Adjacent aircraft structure	1		*	
2.37	Grounding point ZM3-122	Adjacent aircraft structure	1		*	
2.38	Grounding point ZM3-123	Adjacent aircraft structure	1		*	
2.39	Grounding point A064VN	Adjacent aircraft structure	1		*	
2.40	Grounding point A066VN	Adjacent aircraft structure	1		*	
2.41	Grounding point A089VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
2.42	Grounding point A091VN	Adjacent aircraft structure	1		*	
2.43	Grounding point A112VN	Adjacent aircraft structure	1		*	

Table III. Current returns to the aircraft earth: medium and low intensity. New grounding points

* Current applied will be 10 A when cables connected to ground point are gauge 16 or larger, and 1 A otherwise.

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.1	Grounding point 215VG	Adjacent aircraft structure	1		*	
3.2	Grounding point 216VG	Adjacent aircraft structure	1		*	
3.3	Grounding point 1055VG	Adjacent aircraft structure	1		*	
3.4	Grounding point 1739VG	Adjacent aircraft structure	1		*	
3.5	Grounding point 2527VG	Adjacent aircraft structure	1		*	
3.6	Grounding point 2635VN	Adjacent aircraft structure	1		*	
3.7	Grounding point 2660VG	Adjacent aircraft structure	1		*	
3.8	Grounding point 2703VG	Adjacent aircraft structure	1		*	
3.9	Grounding point 2708VG	Adjacent aircraft structure	1		*	
3.10	Grounding point 2714VG	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.11	Grounding point 2719VG	Adjacent aircraft structure	1		*	
3.12	Grounding point 2721VG	Adjacent aircraft structure	1		*	
3.13	Grounding point 2724VG	Adjacent aircraft structure	1		*	
3.14	Grounding point 2726VG	Adjacent aircraft structure	1		*	
3.15	Grounding point 2727VG	Adjacent aircraft structure	1		*	
3.16	Grounding point 2728VG	Adjacent aircraft structure	1		*	
3.17	Grounding point 2729VG	Adjacent aircraft structure	1		*	
3.18	Grounding point 2735VG	Adjacent aircraft structure	1		*	
3.19	Grounding point 2741VG	Adjacent aircraft structure	1		*	
3.20	Grounding point 2744VG	Adjacent aircraft structure	1		*	
3.21	Grounding point 2750VG	Adjacent aircraft structure	1		*	
3.22	Grounding point 2751VG	Adjacent aircraft structure	1		*	
3.23	Grounding point 2754VG	Adjacent aircraft structure	1		*	
3.24	Grounding point 2755VG	Adjacent aircraft structure	1		*	
3.25	Grounding point 2766VG	Adjacent aircraft structure	1		*	
3.26	Grounding point 2786VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.27	Grounding point 2787VN	Adjacent aircraft structure	1		*	
3.28	Grounding point 2788VN	Adjacent aircraft structure	1		*	
3.29	Grounding point 2803VG	Adjacent aircraft structure	1		*	
3.30	Grounding point 2806VG	Adjacent aircraft structure	1		*	
3.31	Grounding point 2808VG	Adjacent aircraft structure	1		*	
3.32	Grounding point 2810VG	Adjacent aircraft structure	1		*	
3.33	Grounding point 2813VG	Adjacent aircraft structure	1		*	
3.34	Grounding point 2815VG	Adjacent aircraft structure	1		*	
3.35	Grounding point 2821VG	Adjacent aircraft structure	1		*	
3.36	Grounding point 2829VG	Adjacent aircraft structure	1		*	
3.37	Grounding point 2954VG	Adjacent aircraft structure	1		*	
3.38	Grounding point 2961VG	Adjacent aircraft structure	1		*	
3.39	Grounding point 3003VG	Adjacent aircraft structure	1		*	
3.40	Grounding point 3004VG	Adjacent aircraft structure	1		*	
3.41	Grounding point 3007VG	Adjacent aircraft structure	1		*	
3.42	Grounding point 3009VG	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.43	Grounding point 3022VG	Adjacent aircraft structure	1		*	
3.44	Grounding point 3036VG	Adjacent aircraft structure	1		*	
3.45	Grounding point 3079VN	Adjacent aircraft structure	1		*	
3.46	Grounding point 3106VG	Adjacent aircraft structure	1		*	
3.47	Grounding point 3107VG	Adjacent aircraft structure	1		*	
3.48	Grounding point 3016VG	Adjacent aircraft structure	1		*	
3.49	Grounding point A001VN	Adjacent aircraft structure	1		*	
3.50	Grounding point A003VN	Adjacent aircraft structure	1		*	
3.51	Grounding point A006VN	Adjacent aircraft structure	1		*	
3.52	Grounding point A008VN	Adjacent aircraft structure	1		*	
3.53	Grounding point A010VN	Adjacent aircraft structure	1		*	
3.54	Grounding point A011VN	Adjacent aircraft structure	1		*	
3.55	Grounding point A013VN	Adjacent aircraft structure	1		*	
3.56	Grounding point A012VN	Adjacent aircraft structure	1		*	
3.57	Grounding point A015VN	Adjacent aircraft structure	1		*	
3.58	Grounding point A017VN	Adjacent aircraft structure	1		*	
3.59	N/A					

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.60	Grounding point A030VN	Adjacent aircraft structure	1		*	
3.61	Grounding point A031VN	Adjacent aircraft structure	1		*	
3.62	Grounding point A032VN	Adjacent aircraft structure	1		*	
3.63	Grounding point A033VN	Adjacent aircraft structure	1		*	
3.64	Grounding point A034VN	Adjacent aircraft structure	1		*	
3.65	Grounding point A035VN	Adjacent aircraft structure	1		*	
3.66	Grounding point A036VN	Adjacent aircraft structure	1		*	
3.67	Grounding point A037VN	Adjacent aircraft structure	1		*	
3.68	Grounding point A038VN	Adjacent aircraft structure	1		*	
3.69	Grounding point A039VN	Adjacent aircraft structure	1		*	
3.70	Grounding point A040VN	Adjacent aircraft structure	1		*	
3.71	Grounding point A041VN	Adjacent aircraft structure	1		*	
3.72	Grounding point A042VN	Adjacent aircraft structure	1		*	
3.73	Grounding point A043VN	Adjacent aircraft structure	1		*	
3.74	Grounding point A044VN	Adjacent aircraft structure	1		*	
3.75	Grounding point A045VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.76	Grounding point A046VN	Adjacent aircraft structure	1		*	
3.77	Grounding point A047VN	Adjacent aircraft structure	1		*	
3.78	Grounding point A048VN	Adjacent aircraft structure	1		*	
3.79	Grounding point A049VN	Adjacent aircraft structure	1		*	
3.80	Grounding point A050VN	Adjacent aircraft structure	1		*	
3.81	Grounding point A051VN	Adjacent aircraft structure	1		*	
3.82	Grounding point A052VN	Adjacent aircraft structure	1		*	
3.83	Grounding point A053VN	Adjacent aircraft structure	1		*	
3.84	Grounding point A054VN	Adjacent aircraft structure	1		*	
3.85	Grounding point A055VN	Adjacent aircraft structure	1		*	
3.86	Grounding point A056VN	Adjacent aircraft structure	1		*	
3.87	Grounding point A057VN	Adjacent aircraft structure	1		*	
3.88	Grounding point A058VN	Adjacent aircraft structure	1		*	
3.89	Grounding point A059VN	Adjacent aircraft structure	1		*	
3.90	Grounding point A060VN	Adjacent aircraft structure	1		*	
3.91	Grounding point A061VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.92	Grounding point A063VN	Adjacent aircraft structure	1		*	
3.93	Grounding point A064VN	Adjacent aircraft structure	1		*	
3.94	Grounding point A065VN	Adjacent aircraft structure	1		*	
3.95	Grounding point A066VN	Adjacent aircraft structure	1		*	
3.96	Grounding point A067VN	Adjacent aircraft structure	1		*	
3.97	Grounding point A068VN	Adjacent aircraft structure	1		*	
3.98	Grounding point A069VN	Adjacent aircraft structure	1		*	
3.99	Grounding point A070VN	Adjacent aircraft structure	1		*	
3.100	Grounding point A071VN	Adjacent aircraft structure	1		*	
3.101	Grounding point A072VN	Adjacent aircraft structure	1		*	
3.102	Grounding point A073VN	Adjacent aircraft structure	1		*	
3.103	Grounding point A074VN	Adjacent aircraft structure	1		*	
3.104	Grounding point A075VN	Adjacent aircraft structure	1		*	
3.105	Grounding point A076VN	Adjacent aircraft structure	1		*	
3.106	Grounding point A077VN	Adjacent aircraft structure	1		*	
3.107	Grounding point A078VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.108	Grounding point A079VN	Adjacent aircraft structure	1		*	
3.109	Grounding point A080VN	Adjacent aircraft structure	1		*	
3.110	Grounding point A081VN	Adjacent aircraft structure	1		*	
3.111	Grounding point A082VN	Adjacent aircraft structure	1		*	
3.112	Grounding point A083VN	Adjacent aircraft structure	1		*	
3.113	Grounding point A084VN	Adjacent aircraft structure	1		*	
3.114	Grounding point A085VN	Adjacent aircraft structure	1		*	
3.115	Grounding point A086VN	Adjacent aircraft structure	1		*	
3.116	Grounding point A087VN	Adjacent aircraft structure	1		*	
3.117	Grounding point A088VN	Adjacent aircraft structure	1		*	
3.118	Grounding point A089VN	Adjacent aircraft structure	1		*	
3.119	Grounding point A090VN	Adjacent aircraft structure	1		*	
3.120	Grounding point A091VN	Adjacent aircraft structure	1		*	
3.121	Grounding point A093VN	Adjacent aircraft structure	1		*	
3.122	Grounding point A094VN	Adjacent aircraft structure	1		*	
3.123	Grounding point A095VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.124	Grounding point A096VN	Adjacent aircraft structure	1		*	
3.125	Grounding point A097VN	Adjacent aircraft structure	1		*	
3.126	Grounding point A098VN	Adjacent aircraft structure	1		*	
3.127	Grounding point A099VN	Adjacent aircraft structure	1		*	
3.128	Grounding point A101VN	Adjacent aircraft structure	1		*	
3.129	Grounding point A101VG	Adjacent aircraft structure	1		*	
3.130	Grounding point A103VN	Adjacent aircraft structure	1		*	
3.131	Grounding point A103VG	Adjacent aircraft structure	1		*	
3.132	Grounding point A105VN	Adjacent aircraft structure	1		*	
3.133	Grounding point A105VG	Adjacent aircraft structure	1		*	
3.134	Grounding point A107VN	Adjacent aircraft structure	1		*	
3.135	Grounding point A107VG	Adjacent aircraft structure	1		*	
3.136	Grounding point A109VN	Adjacent aircraft structure	1		*	
3.137	Grounding point A110VN	Adjacent aircraft structure	1		*	
3.138	Grounding point A111VN	Adjacent aircraft structure	1		*	
3.139	Grounding point A112VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.140	Grounding point A113VN	Adjacent aircraft structure	1		*	
3.141	Grounding point A114VN	Adjacent aircraft structure	1		*	
3.142	Grounding point A115VN	Adjacent aircraft structure	1		*	
3.143	Grounding point A116VN	Adjacent aircraft structure	1		*	
3.144	Grounding point A117VN	Adjacent aircraft structure	1		*	
3.145	Grounding point A118VN	Adjacent aircraft structure	1		*	
3.146	Grounding point A119VN	Adjacent aircraft structure	1		*	
3.147	Grounding point A120VN	Adjacent aircraft structure	1		*	
3.148	Grounding point A121VN	Adjacent aircraft structure	1		*	
3.149	Grounding point A122VN	Adjacent aircraft structure	1		*	
3.150	Grounding point A123VN	Adjacent aircraft structure	1		*	
3.151	Grounding point A124VN	Adjacent aircraft structure	1		*	
3.152	Grounding point A125VN	Adjacent aircraft structure	1		*	
3.153	Grounding point A126VN	Adjacent aircraft structure	1		*	
3.154	Grounding point A127VN	Adjacent aircraft structure	1		*	
3.155	Grounding point A128VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.156	Grounding point A129VN	Adjacent aircraft structure	1		*	
3.157	Grounding point A130VN	Adjacent aircraft structure	1		*	
3.158	Grounding point A131VN	Adjacent aircraft structure	1		*	
3.159	Grounding point A132VN	Adjacent aircraft structure	1		*	
3.160	Grounding point A133VN	Adjacent aircraft structure	1		*	
3.161	Grounding point A134VN	Adjacent aircraft structure	1		*	
3.162	Grounding point A135VN	Adjacent aircraft structure	1		*	
3.163	Grounding point A136VN	Adjacent aircraft structure	1		*	
3.164	Grounding point A137VN	Adjacent aircraft structure	1		*	
3.165	Grounding point A138VN	Adjacent aircraft structure	1		*	
3.166	Grounding point A139VN	Adjacent aircraft structure	1		*	
3.167	Grounding point A140VN	Adjacent aircraft structure	1		*	
3.168	Grounding point A141VN	Adjacent aircraft structure	1		*	
3.169	Grounding point A142VN	Adjacent aircraft structure	1		*	
3.170	Grounding point A143VN	Adjacent aircraft structure	1		*	
3.171	Grounding point A144VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.172	Grounding point A145VN	Adjacent aircraft structure	1		*	
3.173	Grounding point A146VN	Adjacent aircraft structure	1		*	
3.174	Grounding point A147VN	Adjacent aircraft structure	1		*	
3.175	Grounding point A148VN	Adjacent aircraft structure	1		*	
3.176	Grounding point A149VN	Adjacent aircraft structure	1		*	
3.177	Grounding point A150VN	Adjacent aircraft structure	1		*	
3.178	Grounding point A151VN	Adjacent aircraft structure	1		*	
3.179	Grounding point A152VN	Adjacent aircraft structure	1		*	
3.180	Grounding point A153VN	Adjacent aircraft structure	1		*	
3.181	Grounding point A154VN	Adjacent aircraft structure	1		*	
3.182	Grounding point A155VN	Adjacent aircraft structure	1		*	
3.183	Grounding point A156VN	Adjacent aircraft structure	1		*	
3.184	Grounding point A157VN	Adjacent aircraft structure	1		*	
3.185	Grounding point A159VN	Adjacent aircraft structure	1		*	
3.186	Grounding point A161VN	Adjacent aircraft structure	1		*	
3.187	Grounding point A163VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.188	Grounding point A165VN	Adjacent aircraft structure	1		*	
3.189	Grounding point A167VN	Adjacent aircraft structure	1		*	
3.190	Grounding point A169VN	Adjacent aircraft structure	1		*	
3.191	Grounding point A171VN	Adjacent aircraft structure	1		*	
3.192	Grounding point A172VN	Adjacent aircraft structure	1		*	
3.193	Grounding point A173VN	Adjacent aircraft structure	1		*	
3.194	Grounding point A176VN	Adjacent aircraft structure	1		*	
3.195	Grounding point A177VN	Adjacent aircraft structure	1		*	
3.196	Grounding point A180VN	Adjacent aircraft structure	1		*	
3.197	Grounding point A181VN	Adjacent aircraft structure	1		*	
3.198	Grounding point A182VN	Adjacent aircraft structure	1		*	
3.199	Grounding point A183VN	Adjacent aircraft structure	1		*	
3.200	Grounding point A185VN	Adjacent aircraft structure	1		*	
3.201	Grounding point A186VN	Adjacent aircraft structure	1		*	
3.202	Grounding point A187VN	Adjacent aircraft structure	1		*	
3.203	Grounding point A188VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.204	Grounding point A189VN	Adjacent aircraft structure	1		*	
3.205	Grounding point A190VN	Adjacent aircraft structure	1		*	
3.206	Grounding point A191VN	Adjacent aircraft structure	1		*	
3.207	Grounding point A192VN	Adjacent aircraft structure	1		*	
3.208	Grounding point A193VN	Adjacent aircraft structure	1		*	
3.209	Grounding point A194VN	Adjacent aircraft structure	1		*	
3.210	Grounding point A195VN	Adjacent aircraft structure	1		*	
3.211	Grounding point A197VN	Adjacent aircraft structure	1		*	
3.212	Grounding point A198VN	Adjacent aircraft structure	1		*	
3.213	Grounding point A199VN	Adjacent aircraft structure	1		*	
3.214	Grounding point A200VN	Adjacent aircraft structure	1		*	
3.215	Grounding point A201VN	Adjacent aircraft structure	1		*	
3.216	Grounding point A202VN	Adjacent aircraft structure	1		*	
3.217	Grounding point A203VN	Adjacent aircraft structure	1		*	
3.218	Grounding point A204VN	Adjacent aircraft structure	1		*	
3.219	Grounding point A205VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.220	Grounding point A206VN	Adjacent aircraft structure	1		*	
3.221	Grounding point A207VN	Adjacent aircraft structure	1		*	
3.222	Grounding point A208VN	Adjacent aircraft structure	1		*	
3.223	Grounding point A209VN	Adjacent aircraft structure	1		*	
3.224	Grounding point A210VN	Adjacent aircraft structure	1		*	
3.225	Grounding point A211VN	Adjacent aircraft structure	1		*	
3.226	Grounding point A212VN	Adjacent aircraft structure	1		*	
3.227	Grounding point A213VN	Adjacent aircraft structure	1		*	
3.228	Grounding point A214VN	Adjacent aircraft structure	1		*	
3.229	Grounding point A215VN	Adjacent aircraft structure	1		*	
3.230	Grounding point A216VN	Adjacent aircraft structure	1		*	
3.231	Grounding point A217VN	Adjacent aircraft structure	1		*	
3.232	Grounding point A218VN	Adjacent aircraft structure	1		*	
3.233	Grounding point A219VN	Adjacent aircraft structure	1		*	
3.234	Grounding point A220VN	Adjacent aircraft structure	1		*	
3.235	Grounding point A220VG	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.236	Grounding point A221VN	Adjacent aircraft structure	1		*	
3.237	Grounding point A221VG	Adjacent aircraft structure	1		*	
3.238	Grounding point A222VN	Adjacent aircraft structure	1		*	
3.239	Grounding point A223VN	Adjacent aircraft structure	1		*	
3.240	Grounding point A223VG	Adjacent aircraft structure	1		*	
3.241	Grounding point A224VN	Adjacent aircraft structure	1		*	
3.242	Grounding point A224VG	Adjacent aircraft structure	1		*	
3.243	Grounding point A225VN	Adjacent aircraft structure	1		*	
3.244	Grounding point A225VG	Adjacent aircraft structure	1		*	
3.245	Grounding point A226VN	Adjacent aircraft structure	1		*	
3.246	Grounding point A226VG	Adjacent aircraft structure	1		*	
3.247	Grounding point A227VN	Adjacent aircraft structure	1		*	
3.248	Grounding point A227VG	Adjacent aircraft structure	1		*	
3.249	Grounding point A228VN	Adjacent aircraft structure	1		*	
3.250	Grounding point A228VG	Adjacent aircraft structure	1		*	
3.251	Grounding point A229VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.252	Grounding point A229VG	Adjacent aircraft structure	1		*	
3.253	Grounding point A230VN	Adjacent aircraft structure	1		*	
3.254	Grounding point A230VG	Adjacent aircraft structure	1		*	
3.255	Grounding point A231VN	Adjacent aircraft structure	1		*	
3.256	Grounding point A231VG	Adjacent aircraft structure	1		*	
3.257	Grounding point A232VN	Adjacent aircraft structure	1		*	
3.258	Grounding point A232VG	Adjacent aircraft structure	1		*	
3.259	Grounding point A233VN	Adjacent aircraft structure	1		*	
3.260	Grounding point A233VG	Adjacent aircraft structure	1		*	
3.261	Grounding point A234VN	Adjacent aircraft structure	1		*	
3.262	Grounding point A234VG	Adjacent aircraft structure	1		*	
3.263	Grounding point A235VN	Adjacent aircraft structure	1		*	
3.264	Grounding point A235VG	Adjacent aircraft structure	1		*	
3.265	Grounding point A236VN	Adjacent aircraft structure	1		*	
3.266	Grounding point A237VN	Adjacent aircraft structure	1		*	
3.267	Grounding point A238VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.268	Grounding point A239VN	Adjacent aircraft structure	1		*	
3.269	Grounding point A240VN	Adjacent aircraft structure	1		*	
3.270	Grounding point A241VN	Adjacent aircraft structure	1		*	
3.271	Grounding point A242VN	Adjacent aircraft structure	1		*	
3.272	Grounding point A243VN	Adjacent aircraft structure	1		*	
3.273	Grounding point A244VN	Adjacent aircraft structure	1		*	
3.274	Grounding point A245VN	Adjacent aircraft structure	1		*	
3.275	Grounding point A246VN	Adjacent aircraft structure	1		*	
3.276	Grounding point A247VN	Adjacent aircraft structure	1		*	
3.277	Grounding point A248VN	Adjacent aircraft structure	1		*	
3.278	Grounding point A249VN	Adjacent aircraft structure	1		*	
3.279	Grounding point A250VN	Adjacent aircraft structure	1		*	
3.280	Grounding point A251VN	Adjacent aircraft structure	1		*	
3.281	Grounding point A252VN	Adjacent aircraft structure	1		*	
3.282	Grounding point A253VN	Adjacent aircraft structure	1		*	
3.283	Grounding point A254VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.284	Grounding point A255VN	Adjacent aircraft structure	1		*	
3.285	Grounding point A256VN	Adjacent aircraft structure	1		*	
3.286	Grounding point A257VN	Adjacent aircraft structure	1		*	
3.287	Grounding point A258VN	Adjacent aircraft structure	1		*	
3.288	Grounding point A259VN	Adjacent aircraft structure	1		*	
3.289	Grounding point A260VN	Adjacent aircraft structure	1		*	
3.290	Grounding point A261VN	Adjacent aircraft structure	1		*	
3.291	Grounding point A262VN	Adjacent aircraft structure	1		*	
3.292	Grounding point A263VN	Adjacent aircraft structure	1		*	
3.293	Grounding point A264VN	Adjacent aircraft structure	1		*	
3.294	Grounding point A265VN	Adjacent aircraft structure	1		*	
3.295	Grounding point A266VN	Adjacent aircraft structure	1		*	
3.296	Grounding point A267VN	Adjacent aircraft structure	1		*	
3.297	Grounding point A268VN	Adjacent aircraft structure	1		*	
3.298	Grounding point A269VN	Adjacent aircraft structure	1		*	
3.299	Grounding point A270VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.300	Grounding point A271VN	Adjacent aircraft structure	1		*	
3.301	Grounding point A272VN	Adjacent aircraft structure	1		*	
3.302	Grounding point A273VN	Adjacent aircraft structure	1		*	
3.303	Grounding point A274VN	Adjacent aircraft structure	1		*	
3.304	Grounding point A275VN	Adjacent aircraft structure	1		*	
3.305	Grounding point A276VN	Adjacent aircraft structure	1		*	
3.306	Grounding point A277VN	Adjacent aircraft structure	1		*	
3.307	Grounding point A278VN	Adjacent aircraft structure	1		*	
3.308	Grounding point A279VN	Adjacent aircraft structure	1		*	
3.309	Grounding point A280VN	Adjacent aircraft structure	1		*	
3.310	Grounding point A281VN	Adjacent aircraft structure	1		*	
3.311	Grounding point A282VN	Adjacent aircraft structure	1		*	
3.312	Grounding point A283VN	Adjacent aircraft structure	1		*	
3.313	Grounding point A284VN	Adjacent aircraft structure	1		*	
3.314	Grounding point A285VN	Adjacent aircraft structure	1		*	
3.315	Grounding point A286VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.316	Grounding point A287VN	Adjacent aircraft structure	1		*	
3.317	Grounding point A288VN	Adjacent aircraft structure	1		*	
3.318	Grounding point A289VN	Adjacent aircraft structure	1		*	
3.319	Grounding point A290VN	Adjacent aircraft structure	1		*	
3.320	Grounding point A291VN	Adjacent aircraft structure	1		*	
3.321	Grounding point A292VN	Adjacent aircraft structure	1		*	
3.322	Grounding point A293VN	Adjacent aircraft structure	1		*	
3.323	Grounding point A294VN	Adjacent aircraft structure	1		*	
3.324	Grounding point A295VN	Adjacent aircraft structure	1		*	
3.325	Grounding point A296VN	Adjacent aircraft structure	1		*	
3.326	Grounding point A297VN	Adjacent aircraft structure	1		*	
3.327	Grounding point A298VN	Adjacent aircraft structure	1		*	
3.328	Grounding point A299VN	Adjacent aircraft structure	1		*	
3.329	Grounding point A300VN	Adjacent aircraft structure	1		*	
3.330	Grounding point A301VN	Adjacent aircraft structure	1		*	
3.331	Grounding point A302VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.332	Grounding point A303VN	Adjacent aircraft structure	1		*	
3.333	Grounding point A304VN	Adjacent aircraft structure	1		*	
3.334	Grounding point A305VN	Adjacent aircraft structure	1		*	
3.335	Grounding point A306VN	Adjacent aircraft structure	1		*	
3.336	Grounding point A307VN	Adjacent aircraft structure	1		*	
3.337	Grounding point A308VN	Adjacent aircraft structure	1		*	
3.338	Grounding point A309VN	Adjacent aircraft structure	1		*	
3.339	Grounding point A310VN	Adjacent aircraft structure	1		*	
3.340	Grounding point A311VN	Adjacent aircraft structure	1		*	
3.341	Grounding point A312VN	Adjacent aircraft structure	1		*	
3.342	Grounding point A313VN	Adjacent aircraft structure	1		*	
3.343	Grounding point A314VN	Adjacent aircraft structure	1		*	
3.344	Grounding point A315VN	Adjacent aircraft structure	1		*	
3.345	Grounding point A316VN	Adjacent aircraft structure	1		*	
3.346	Grounding point A317VN	Adjacent aircraft structure	1		*	
3.347	Grounding point A318VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.348	Grounding point A319VN	Adjacent aircraft structure	1		*	
3.349	Grounding point A320VN	Adjacent aircraft structure	1		*	
3.350	Grounding point A321VN	Adjacent aircraft structure	1		*	
3.351	Grounding point A322VN	Adjacent aircraft structure	1		*	
3.352	Grounding point A323VN	Adjacent aircraft structure	1		*	
3.353	Grounding point A324VN	Adjacent aircraft structure	1		*	
3.354	Grounding point A325VN	Adjacent aircraft structure	1		*	
3.355	Grounding point A326VN	Adjacent aircraft structure	1		*	
3.356	Grounding point A327VN	Adjacent aircraft structure	1		*	
3.357	Grounding point A328VN	Adjacent aircraft structure	1		*	
3.358	Grounding point A329VN	Adjacent aircraft structure	1		*	
3.359	Grounding point A330VN	Adjacent aircraft structure	1		*	
3.360	Grounding point A331VN	Adjacent aircraft structure	1		*	
3.361	Grounding point A332VN	Adjacent aircraft structure	1		*	
3.362	Grounding point A333VN	Adjacent aircraft structure	1		*	
3.363	Grounding point A334VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.364	Grounding point A335VN	Adjacent aircraft structure	1		*	
3.365	Grounding point A336VN	Adjacent aircraft structure	1		*	
3.366	Grounding point A337VN	Adjacent aircraft structure	1		*	
3.367	Grounding point A338VN	Adjacent aircraft structure	1		*	
3.368	Grounding point A339VN	Adjacent aircraft structure	1		*	
3.369	Grounding point A340VN	Adjacent aircraft structure	1		*	
3.370	Grounding point A341VN	Adjacent aircraft structure	1		*	
3.371	Grounding point A342VN	Adjacent aircraft structure	1		*	
3.372	Grounding point A343VN	Adjacent aircraft structure	1		*	
3.373	Grounding point A344VN	Adjacent aircraft structure	1		*	
3.374	Grounding point A345VN	Adjacent aircraft structure	1		*	
3.375	Grounding point A346VN	Adjacent aircraft structure	1		*	
3.376	Grounding point A347VN	Adjacent aircraft structure	1		*	
3.377	Grounding point A348VN	Adjacent aircraft structure	1		*	
3.378	Grounding point A349VN	Adjacent aircraft structure	1		*	
3.379	Grounding point A350VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.380	Grounding point A351VN	Adjacent aircraft structure	1		*	
3.381	Grounding point A352VN	Adjacent aircraft structure	1		*	
3.382	Grounding point A353VN	Adjacent aircraft structure	1		*	
3.383	Grounding point A354VN	Adjacent aircraft structure	1		*	
3.384	Grounding point A355VN	Adjacent aircraft structure	1		*	
3.385	Grounding point A356VN	Adjacent aircraft structure	1		*	
3.386	Grounding point A357VN	Adjacent aircraft structure	1		*	
3.387	Grounding point A358VN	Adjacent aircraft structure	1		*	
3.388	Grounding point A359VN	Adjacent aircraft structure	1		*	
3.389	Grounding point A360VN	Adjacent aircraft structure	1		*	
3.390	Grounding point A361VN	Adjacent aircraft structure	1		*	
3.391	Grounding point A362VN	Adjacent aircraft structure	1		*	
3.392	Grounding point A363VN	Adjacent aircraft structure	1		*	
3.393	Grounding point A364VN	Adjacent aircraft structure	1		*	
3.394	Grounding point A365VN	Adjacent aircraft structure	1		*	
3.395	Grounding point A366VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.396	Grounding point A367VN	Adjacent aircraft structure	1		*	
3.397	Grounding point A368VN	Adjacent aircraft structure	1		*	
3.398	Grounding point A369VN	Adjacent aircraft structure	1		*	
3.399	Grounding point A370VN	Adjacent aircraft structure	1		*	
3.400	Grounding point A371VN	Adjacent aircraft structure	1		*	
3.401	Grounding point A372VN	Adjacent aircraft structure	1		*	
3.402	Grounding point A373VN	Adjacent aircraft structure	1		*	
3.403	Grounding point A374VN	Adjacent aircraft structure	1		*	
3.404	Grounding point A375VN	Adjacent aircraft structure	1		*	
3.405	Grounding point A376VN	Adjacent aircraft structure	1		*	
3.406	Grounding point A377VN	Adjacent aircraft structure	1		*	
3.407	Grounding point A378VN	Adjacent aircraft structure	1		*	
3.408	Grounding point A379VN	Adjacent aircraft structure	1		*	
3.409	Grounding point A380VN	Adjacent aircraft structure	1		*	
3.410	Grounding point A381VN	Adjacent aircraft structure	1		*	
3.411	Grounding point A382VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.412	Grounding point A383VN	Adjacent aircraft structure	1		*	
3.413	Grounding point A384VN	Adjacent aircraft structure	1		*	
3.414	Grounding point A385VN	Adjacent aircraft structure	1		*	
3.415	Grounding point A386VN	Adjacent aircraft structure	1		*	
3.416	Grounding point A387VN	Adjacent aircraft structure	1		*	
3.417	Grounding point A388VN	Adjacent aircraft structure	1		*	
3.418	Grounding point A389VN	Adjacent aircraft structure	1		*	
3.419	Grounding point A390VN	Adjacent aircraft structure	1		*	
3.420	Grounding point A391VN	Adjacent aircraft structure	1		*	
3.421	Grounding point A392VN	Adjacent aircraft structure	1		*	
3.422	Grounding point A393VN	Adjacent aircraft structure	1		*	
3.423	Grounding point A394VN	Adjacent aircraft structure	1		*	
3.424	Grounding point A395VN	Adjacent aircraft structure	1		*	
3.425	Grounding point A396VN	Adjacent aircraft structure	1		*	
3.426	Grounding point A397VN	Adjacent aircraft structure	1		*	
3.427	Grounding point A398VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.428	Grounding point A399VN	Adjacent aircraft structure	1		*	
3.429	Grounding point A400VN	Adjacent aircraft structure	1		*	
3.430	Grounding point A401VN	Adjacent aircraft structure	1		*	
3.431	Grounding point A401VG	Adjacent aircraft structure	1		*	
3.432	Grounding point A402VN	Adjacent aircraft structure	1		*	
3.433	Grounding point A403VN	Adjacent aircraft structure	1		*	
3.434	Grounding point A404VN	Adjacent aircraft structure	1		*	
3.435	Grounding point A405VN	Adjacent aircraft structure	1		*	
3.436	Grounding point A430VN	Adjacent aircraft structure	1		*	
3.437	Grounding point A431VN	Adjacent aircraft structure	1		*	
3.438	Grounding point A432VN	Adjacent aircraft structure	1		*	
3.439	Grounding point A433VN	Adjacent aircraft structure	1		*	
3.440	Grounding point A434VN	Adjacent aircraft structure	1		*	
3.441	Grounding point A435VN	Adjacent aircraft structure	1		*	
3.442	Grounding point A436VN	Adjacent aircraft structure	1		*	
3.443	Grounding point A437VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.444	Grounding point A438VN	Adjacent aircraft structure	1		*	
3.445	Grounding point A439VN	Adjacent aircraft structure	1		*	
3.446	Grounding point A440VN	Adjacent aircraft structure	1		*	
3.447	Grounding point A441VN	Adjacent aircraft structure	1		*	
3.448	Grounding point A442VN	Adjacent aircraft structure	1		*	
3.449	Grounding point A443VN	Adjacent aircraft structure	1		*	
3.450	Grounding point A444VN	Adjacent aircraft structure	1		*	
3.451	Grounding point A445VN	Adjacent aircraft structure	1		*	
3.452	Grounding point A446VN	Adjacent aircraft structure	1		*	
3.453	Grounding point A447VN	Adjacent aircraft structure	1		*	
3.454	Grounding point A448VN	Adjacent aircraft structure	1		*	
3.455	Grounding point A449VN	Adjacent aircraft structure	1		*	
3.456	Grounding point A450VN	Adjacent aircraft structure	1		*	
3.457	Grounding point A451VN	Adjacent aircraft structure	1		*	
3.458	Grounding point A451VG	Adjacent aircraft structure	1		*	
3.459	Grounding point A452VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.460	Grounding point A453VN	Adjacent aircraft structure	1		*	
3.461	Grounding point A454VN	Adjacent aircraft structure	1		*	
3.462	Grounding point A455VN	Adjacent aircraft structure	1		*	
3.463	Grounding point A456VN	Adjacent aircraft structure	1		*	
3.464	Grounding point A457VN	Adjacent aircraft structure	1		*	
3.465	Grounding point A460VN	Adjacent aircraft structure	1		*	
3.466	Grounding point A461VN	Adjacent aircraft structure	1		*	
3.467	Grounding point A462VN	Adjacent aircraft structure	1		*	
3.468	Grounding point A463VN	Adjacent aircraft structure	1		*	
3.469	Grounding point A471VN	Adjacent aircraft structure	1		*	
3.470	Grounding point A473VN	Adjacent aircraft structure	1		*	
3.471	Grounding point A501VG	Adjacent aircraft structure	1		*	
3.472	Grounding point A502VG	Adjacent aircraft structure	1		*	
3.473	Grounding point A511VN	Adjacent aircraft structure	1		*	
3.474	Grounding point A512VN	Adjacent aircraft structure	1		*	
3.475	Grounding point A513VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.476	Grounding point A514VN	Adjacent aircraft structure	1		*	
3.477	Grounding point A515VN	Adjacent aircraft structure	1		*	
3.478	Grounding point A517VN	Adjacent aircraft structure	1		*	
3.479	Grounding point A518VN	Adjacent aircraft structure	1		*	
3.480	Grounding point A519VN	Adjacent aircraft structure	1		*	
3.481	Grounding point A520VN	Adjacent aircraft structure	1		*	
3.482	Grounding point A521VN	Adjacent aircraft structure	1		*	
3.483	Grounding point A522VN	Adjacent aircraft structure	1		*	
3.484	Grounding point A523VN	Adjacent aircraft structure	1		*	
3.485	Grounding point A527VN	Adjacent aircraft structure	1		*	
3.486	Grounding point A528VN	Adjacent aircraft structure	1		*	
3.487	Grounding point A529VN	Adjacent aircraft structure	1		*	
3.488	Grounding point A530VN	Adjacent aircraft structure	1		*	
3.489	Grounding point A531VN	Adjacent aircraft structure	1		*	
3.490	Grounding point A532VN	Adjacent aircraft structure	1		*	
3.491	Grounding point A533VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.492	Grounding point A541VN	Adjacent aircraft structure	1		*	
3.493	Grounding point A542VN	Adjacent aircraft structure	1		*	
3.494	Grounding point A543VN	Adjacent aircraft structure	1		*	
3.495	Grounding point A544VN	Adjacent aircraft structure	1		*	
3.496	Grounding point A545VN	Adjacent aircraft structure	1		*	
3.497	Grounding point A546VN	Adjacent aircraft structure	1		*	
3.498	Grounding point A547VN	Adjacent aircraft structure	1		*	
3.499	Grounding point A548VN	Adjacent aircraft structure	1		*	
3.500	Grounding point A549VN	Adjacent aircraft structure	1		*	
3.501	Grounding point A550VN	Adjacent aircraft structure	1		*	
3.502	Grounding point A551VN	Adjacent aircraft structure	1		*	
3.503	Grounding point A552VN	Adjacent aircraft structure	1		*	
3.504	Grounding point A553VN	Adjacent aircraft structure	1		*	
3.505	Grounding point A555VN	Adjacent aircraft structure	1		*	
3.506	Grounding point A557VN	Adjacent aircraft structure	1		*	
3.507	Grounding point A601VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.508	Grounding point A603VN	Adjacent aircraft structure	1		*	
3.509	Grounding point A605VN	Adjacent aircraft structure	1		*	
3.510	Grounding point A607VN	Adjacent aircraft structure	1		*	
3.511	Grounding point A609VN	Adjacent aircraft structure	1		*	
3.512	Grounding point A623VN	Adjacent aircraft structure	1		*	
3.513	Grounding point A632VN	Adjacent aircraft structure	1		*	
3.514	Grounding point A633VN	Adjacent aircraft structure	1		*	
3.515	Grounding point A634VN	Adjacent aircraft structure	1		*	
3.516	Grounding point A635VN	Adjacent aircraft structure	1		*	
3.517	Grounding point A636VN	Adjacent aircraft structure	1		*	
3.518	Grounding point A637VN	Adjacent aircraft structure	1		*	
3.519	Grounding point A638VN	Adjacent aircraft structure	1		*	
3.520	Grounding point A639VN	Adjacent aircraft structure	1		*	
3.521	Grounding point A640VN	Adjacent aircraft structure	1		*	
3.522	Grounding point A641VN	Adjacent aircraft structure	1		*	
3.523	Grounding point A642VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.524	Grounding point A643VN	Adjacent aircraft structure	1		*	
3.525	Grounding point A644VN	Adjacent aircraft structure	1		*	
3.526	Grounding point A645VN	Adjacent aircraft structure	1		*	
3.527	Grounding point A646VN	Adjacent aircraft structure	1		*	
3.528	Grounding point A647VN	Adjacent aircraft structure	1		*	
3.529	Grounding point A648VN	Adjacent aircraft structure	1		*	
3.530	Grounding point A649VN	Adjacent aircraft structure	1		*	
3.531	Grounding point A700VG	Adjacent aircraft structure	1		*	
3.532	Grounding point A701VN	Adjacent aircraft structure	1		*	
3.533	Grounding point A702VN	Adjacent aircraft structure	1		*	
3.534	Grounding point A702VG	Adjacent aircraft structure	1		*	
3.535	Grounding point A703VN	Adjacent aircraft structure	1		*	
3.536	Grounding point A704VN	Adjacent aircraft structure	1		*	
3.537	Grounding point A705VN	Adjacent aircraft structure	1		*	
3.538	Grounding point A706VN	Adjacent aircraft structure	1		*	
3.539	Grounding point A707VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.540	Grounding point A708VN	Adjacent aircraft structure	1		*	
3.541	Grounding point A709VN	Adjacent aircraft structure	1		*	
3.542	Grounding point A710VN	Adjacent aircraft structure	1		*	
3.543	Grounding point A711VN	Adjacent aircraft structure	1		*	
3.544	Grounding point A711VG	Adjacent aircraft structure	1		*	
3.545	Grounding point A712VN	Adjacent aircraft structure	1		*	
3.546	Grounding point A713VN	Adjacent aircraft structure	1		*	
3.547	Grounding point A714VN	Adjacent aircraft structure	1		*	
3.548	Grounding point A715VN	Adjacent aircraft structure	1		*	
3.549	Grounding point A716VN	Adjacent aircraft structure	1		*	
3.550	Grounding point A717VN	Adjacent aircraft structure	1		*	
3.551	Grounding point A718VN	Adjacent aircraft structure	1		*	
3.552	Grounding point A719VN	Adjacent aircraft structure	1		*	
3.553	Grounding point A720VN	Adjacent aircraft structure	1		*	
3.554	Grounding point A721VN	Adjacent aircraft structure	1		*	
3.555	Grounding point A722VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.556	Grounding point A722VG	Adjacent aircraft structure	1		*	
3.557	Grounding point A723VG	Adjacent aircraft structure	1		*	
3.558	Grounding point A724VN	Adjacent aircraft structure	1		*	
3.559	Grounding point A725VN	Adjacent aircraft structure	1		*	
3.560	Grounding point A725VG	Adjacent aircraft structure	1		*	
3.561	Grounding point A726VN	Adjacent aircraft structure	1		*	
3.562	Grounding point A727VN	Adjacent aircraft structure	1		*	
3.563	Grounding point A727VG	Adjacent aircraft structure	1		*	
3.564	Grounding point A728VN	Adjacent aircraft structure	1		*	
3.565	Grounding point A729VN	Adjacent aircraft structure	1		*	
3.566	Grounding point A729VG	Adjacent aircraft structure	1		*	
3.567	Grounding point A730VN	Adjacent aircraft structure	1		*	
3.568	Grounding point A731VN	Adjacent aircraft structure	1		*	
3.569	Grounding point A731VG	Adjacent aircraft structure	1		*	
3.570	Grounding point A732VN	Adjacent aircraft structure	1		*	
3.571	Grounding point A732VG	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.572	Grounding point A733VN	Adjacent aircraft structure	1		*	
3.573	Grounding point A733VG	Adjacent aircraft structure	1		*	
3.574	Grounding point A734VN	Adjacent aircraft structure	1		*	
3.575	Grounding point A734VG	Adjacent aircraft structure	1		*	
3.576	Grounding point A735VN	Adjacent aircraft structure	1		*	
3.577	Grounding point A735VG	Adjacent aircraft structure	1		*	
3.578	Grounding point A736VN	Adjacent aircraft structure	1		*	
3.579	Grounding point A736VG	Adjacent aircraft structure	1		*	
3.580	Grounding point A737VN	Adjacent aircraft structure	1		*	
3.581	Grounding point A737VG	Adjacent aircraft structure	1		*	
3.582	Grounding point A738VN	Adjacent aircraft structure	1		*	
3.583	Grounding point A739VN	Adjacent aircraft structure	1		*	
3.584	Grounding point A739VG	Adjacent aircraft structure	1		*	
3.585	Grounding point A740VN	Adjacent aircraft structure	1		*	
3.586	Grounding point A741VG	Adjacent aircraft structure	1		*	
3.587	Grounding point A743VG	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.588	Grounding point A744VN	Adjacent aircraft structure	1		*	
3.589	Grounding point A745VN	Adjacent aircraft structure	1		*	
3.590	Grounding point A745VG	Adjacent aircraft structure	1		*	
3.591	Grounding point A746VN	Adjacent aircraft structure	1		*	
3.592	Grounding point A747VN	Adjacent aircraft structure	1		*	
3.593	Grounding point A747VG	Adjacent aircraft structure	1		*	
3.594	Grounding point A748VN	Adjacent aircraft structure	1		*	
3.595	Grounding point A749VN	Adjacent aircraft structure	1		*	
3.596	Grounding point A750VN	Adjacent aircraft structure	1		*	
3.597	Grounding point A751VN	Adjacent aircraft structure	1		*	
3.598	Grounding point A752VN	Adjacent aircraft structure	1		*	
3.599	Grounding point A753VN	Adjacent aircraft structure	1		*	
3.600	Grounding point A754VN	Adjacent aircraft structure	1		*	
3.601	Grounding point A755VN	Adjacent aircraft structure	1		*	
3.602	Grounding point A756VN	Adjacent aircraft structure	1		*	
3.603	Grounding point A757VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.604	Grounding point A758VN	Adjacent aircraft structure	1		*	
3.605	Grounding point A759VN	Adjacent aircraft structure	1		*	
3.606	Grounding point A760VN	Adjacent aircraft structure	1		*	
3.607	Grounding point A761VN	Adjacent aircraft structure	1		*	
3.608	Grounding point A762VN	Adjacent aircraft structure	1		*	
3.609	Grounding point A763VN	Adjacent aircraft structure	1		*	
3.610	Grounding point A764VN	Adjacent aircraft structure	1		*	
3.611	Grounding point A765VN	Adjacent aircraft structure	1		*	
3.612	Grounding point A766VN	Adjacent aircraft structure	1		*	
3.613	Grounding point A767VN	Adjacent aircraft structure	1		*	
3.614	Grounding point A768VN	Adjacent aircraft structure	1		*	
3.615	Grounding point A769VN	Adjacent aircraft structure	1		*	
3.616	Grounding point A770VN	Adjacent aircraft structure	1		*	
3.617	Grounding point A771VN	Adjacent aircraft structure	1		*	
3.618	Grounding point A772VN	Adjacent aircraft structure	1		*	
3.619	Grounding point A773VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.620	Grounding point A775VN	Adjacent aircraft structure	1		*	
3.621	Grounding point A776VN	Adjacent aircraft structure	1		*	
3.622	Grounding point A777VN	Adjacent aircraft structure	1		*	
3.623	Grounding point A778VN	Adjacent aircraft structure	1		*	
3.624	Grounding point A779VN	Adjacent aircraft structure	1		*	
3.625	Grounding point A780VN	Adjacent aircraft structure	1		*	
3.626	Grounding point A781VN	Adjacent aircraft structure	1		*	
3.627	Grounding point A782VN	Adjacent aircraft structure	1		*	
3.628	Grounding point A783VN	Adjacent aircraft structure	1		*	
3.629	Grounding point A784VN	Adjacent aircraft structure	1		*	
3.630	Grounding point A785VN	Adjacent aircraft structure	1		*	
3.631	Grounding point A786VN	Adjacent aircraft structure	1		*	
3.632	Grounding point A787VN	Adjacent aircraft structure	1		*	
3.633	Grounding point A788VN	Adjacent aircraft structure	1		*	
3.634	Grounding point A789VN	Adjacent aircraft structure	1		*	
3.635	Grounding point A790VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.636	Grounding point A791VN	Adjacent aircraft structure	1		*	
3.637	Grounding point A792VN	Adjacent aircraft structure	1		*	
3.638	Grounding point A793VN	Adjacent aircraft structure	1		*	
3.639	Grounding point A794VN	Adjacent aircraft structure	1		*	
3.640	Grounding point A795VN	Adjacent aircraft structure	1		*	
3.641	Grounding point A796VN	Adjacent aircraft structure	1		*	
3.642	Grounding point A797VN	Adjacent aircraft structure	1		*	
3.643	Grounding point A798VN	Adjacent aircraft structure	1		*	
3.644	Grounding point A800VN	Adjacent aircraft structure	1		*	
3.645	Grounding point A801VN	Adjacent aircraft structure	1		*	
3.646	Grounding point A802VN	Adjacent aircraft structure	1		*	
3.647	Grounding point A803VN	Adjacent aircraft structure	1		*	
3.648	Grounding point A804VN	Adjacent aircraft structure	1		*	
3.649	Grounding point A805VN	Adjacent aircraft structure	1		*	
3.650	Grounding point A806VN	Adjacent aircraft structure	1		*	
3.651	Grounding point A807VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.652	Grounding point A808VN	Adjacent aircraft structure	1		*	
3.653	Grounding point A809VN	Adjacent aircraft structure	1		*	
3.654	Grounding point A810VN	Adjacent aircraft structure	1		*	
3.655	Grounding point A811VN	Adjacent aircraft structure	1		*	
3.656	Grounding point A813VN	Adjacent aircraft structure	1		*	
3.657	Grounding point A815VN	Adjacent aircraft structure	1		*	
3.658	Grounding point A817VN	Adjacent aircraft structure	1		*	
3.659	Grounding point A819VN	Adjacent aircraft structure	1		*	
3.660	Grounding point A821VN	Adjacent aircraft structure	1		*	
3.661	Grounding point A823VN	Adjacent aircraft structure	1		*	
3.662	Grounding point A825VN	Adjacent aircraft structure	1		*	
3.663	Grounding point A826VN	Adjacent aircraft structure	1		*	
3.664	Grounding point A827VN	Adjacent aircraft structure	1		*	
3.665	Grounding point A829VN	Adjacent aircraft structure	1		*	
3.666	Grounding point A831VN	Adjacent aircraft structure	1		*	
3.667	Grounding point A833VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.668	Grounding point A837VN	Adjacent aircraft structure	1		*	
3.669	Grounding point A839VN	Adjacent aircraft structure	1		*	
3.670	Grounding point A841VN	Adjacent aircraft structure	1		*	
3.671	Grounding point A843VN	Adjacent aircraft structure	1		*	
3.672	Grounding point A845VN	Adjacent aircraft structure	1		*	
3.673	Grounding point A847VN	Adjacent aircraft structure	1		*	
3.674	Grounding point A849VN	Adjacent aircraft structure	1		*	
3.675	Grounding point A851VN	Adjacent aircraft structure	1		*	
3.676	Grounding point A853VN	Adjacent aircraft structure	1		*	
3.677	Grounding point A855VN	Adjacent aircraft structure	1		*	
3.678	Grounding point A857VN	Adjacent aircraft structure	1		*	
3.679	Grounding point A859VN	Adjacent aircraft structure	1		*	
3.680	Grounding point A860VN	Adjacent aircraft structure	1		*	
3.681	Grounding point A861VN	Adjacent aircraft structure	1		*	
3.682	Grounding point A863VN	Adjacent aircraft structure	1		*	
3.683	Grounding point A865VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.684	Grounding point A867VN	Adjacent aircraft structure	1		*	
3.685	Grounding point A871VN	Adjacent aircraft structure	1		*	
3.686	Grounding point A873VN	Adjacent aircraft structure	1		*	
3.687	Grounding point A882VN	Adjacent aircraft structure	1		*	
3.688	Grounding point A883VN	Adjacent aircraft structure	1		*	
3.689	Grounding point A884VN	Adjacent aircraft structure	1		*	
3.690	Grounding point A885VN	Adjacent aircraft structure	1		*	
3.691	Grounding point A875VN	Adjacent aircraft structure	1		*	
3.692	Grounding point A878VN	Adjacent aircraft structure	1		*	
3.693	Grounding point A879VN	Adjacent aircraft structure	1		*	
3.694	Grounding point A900VN	Adjacent aircraft structure	1		*	
3.695	Grounding point A901VN	Adjacent aircraft structure	1		*	
3.696	Grounding point A902VN	Adjacent aircraft structure	1		*	
3.697	Grounding point A904VN	Adjacent aircraft structure	1		*	
3.698	Grounding point A909VN	Adjacent aircraft structure	1		*	
3.699	Grounding point A911VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.700	Grounding point A913VN	Adjacent aircraft structure	1		*	
3.701	Grounding point A915VN	Adjacent aircraft structure	1		*	
3.702	Grounding point A917VN	Adjacent aircraft structure	1		*	
3.703	Grounding point A919VN	Adjacent aircraft structure	1		*	
3.704	Grounding point A921VN	Adjacent aircraft structure	1		*	
3.705	N/A					
3.706	Grounding point A925VN	Adjacent aircraft structure	1		*	
3.707	Grounding point A927VN	Adjacent aircraft structure	1		*	
3.708	Grounding point A943VN	Adjacent aircraft structure	1		*	
3.709	Grounding point A472VN	Adjacent aircraft structure	1		*	
3.710	Grounding point A474VN	Adjacent aircraft structure	1		*	
3.711	Grounding point A625VN	Adjacent aircraft structure	1		*	
3.712	Grounding point A626VN	Adjacent aircraft structure	1		*	
3.713	Grounding point A535VN	Adjacent aircraft structure	1		*	
3.714	Grounding point A475VN	Adjacent aircraft structure	1		*	
3.715	Grounding point A628VN	Adjacent aircraft structure	1		*	
3.716	Grounding point A629VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.717	Grounding point A630VN	Adjacent aircraft structure	1		*	
3.718	Grounding point A631VN	Adjacent aircraft structure	1		*	
3.719	Grounding point A891VN	Adjacent aircraft structure	1		*	
3.720	Grounding point A162VN	Adjacent aircraft structure	1		*	
3.721	Grounding point A888VN	Adjacent aircraft structure	1		*	
3.722	Grounding point A945VN	Adjacent aircraft structure	1		*	
3.723	Grounding point A563VN	Adjacent aircraft structure	1		*	
3.724	Grounding point A741VN	Adjacent aircraft structure	1		*	
3.725	Grounding point A893VN	Adjacent aircraft structure	1		*	
3.726	Grounding point A897VN	Adjacent aircraft structure	1		*	
3.727	Grounding point A899VN	Adjacent aircraft structure	1		*	
3.728	Grounding point A419VN	Adjacent aircraft structure	1		*	
3.729	Grounding point A562VN	Adjacent aircraft structure	1		*	
3.730	Grounding point 1151VN	Adjacent aircraft structure	1		*	
3.731	Grounding point 1153VN	Adjacent aircraft structure	1		*	
3.732	Grounding point A972VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.733	Grounding point A971VN	Adjacent aircraft structure	1		*	
3.734	Grounding point A970VN	Adjacent aircraft structure	1		*	
3.735	Grounding point A895VN					
3.736	Grounding point A738VG	Adjacent aircraft structure	1		*	
3.737	Grounding point A403VG	Adjacent aircraft structure	1		*	
3.738	Grounding point 109VG	Adjacent aircraft structure	1		*	
3.739	Grounding point 119VG	Adjacent aircraft structure	1		*	
3.740	Grounding point 205VG	Adjacent aircraft structure	1		*	
3.741	Grounding point A407VG	Adjacent aircraft structure	1		*	
3.742	Grounding point A908VN	Adjacent aircraft structure	1		*	
3.743	Grounding point A912VN	Adjacent aircraft structure	1		*	
3.744	Grounding point A175VN	Adjacent aircraft structure	1		*	
3.745	Grounding point A410VN	Adjacent aircraft structure	1		*	
3.746	Grounding point A411VN	Adjacent aircraft structure	1		*	
3.747	Grounding point A413VN	Adjacent aircraft structure	1		*	
3.748	Grounding point A408VN	Adjacent aircraft structure	1		*	

Nº	Measurement Point A	Measurement Point B	Maximum Value (mΩ)	Measured Value (mΩ)	Current applied (A)	Remarks
3.749	Grounding point A477VN	Adjacent aircraft structure	1		*	
3.750	Grounding point A005VN	Adjacent aircraft structure	1		*	
3.751	Grounding point A475VN	Adjacent aircraft structure	1		*	
3.752	Grounding point A886VN	Adjacent aircraft structure	1		*	
3.753	Grounding point A881VN	Adjacent aircraft structure	1		*	
3.754	Grounding point A459VN	Adjacent aircraft structure	1		*	
3.755	Grounding point A975VN	Adjacent aircraft structure	1		*	

TEST EQUIPMENT USED

EQUIPMENT	MANUFACTURER	MODEL	TOOL IDENTIFICATION	CALIBRATION DATE	NEXT CALIBRATION DATE
Micro-ohm-meter high intensity					
Micro-ohm-meter med-low intensity					
Test probes					

Table IV. List of equipment used.

IMPORTANT NOTE: Any comments or remarks arisen during test execution shall be written down here and sent to Engineering Department. Non-conformities shall be processed according to CASA-1023.

NOTE: In case of NCS, write down its number on Table V.

N.C.S. Number	DATE
	/ /
	/ /
	/ /
	/ /

Table V

NOTE: After this functional test execution, stamp the correspondent operation on the Production Order.

NOTA: Every result sheet must be stamped and attached to the Production Order.

STAMP:	
DATE:	

7 ATTACHMENTS