

## Appendix 2 Photodocumentation

Description: KANDU view #6

Division:  
Industry & Energy

Department: FG

Test report reference:  
INE-AT/FG-20/225

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## Appendix 2 Photodocumentation

Description: JW-2 FMA view #1

Division:  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: JW-2 FMA view #2

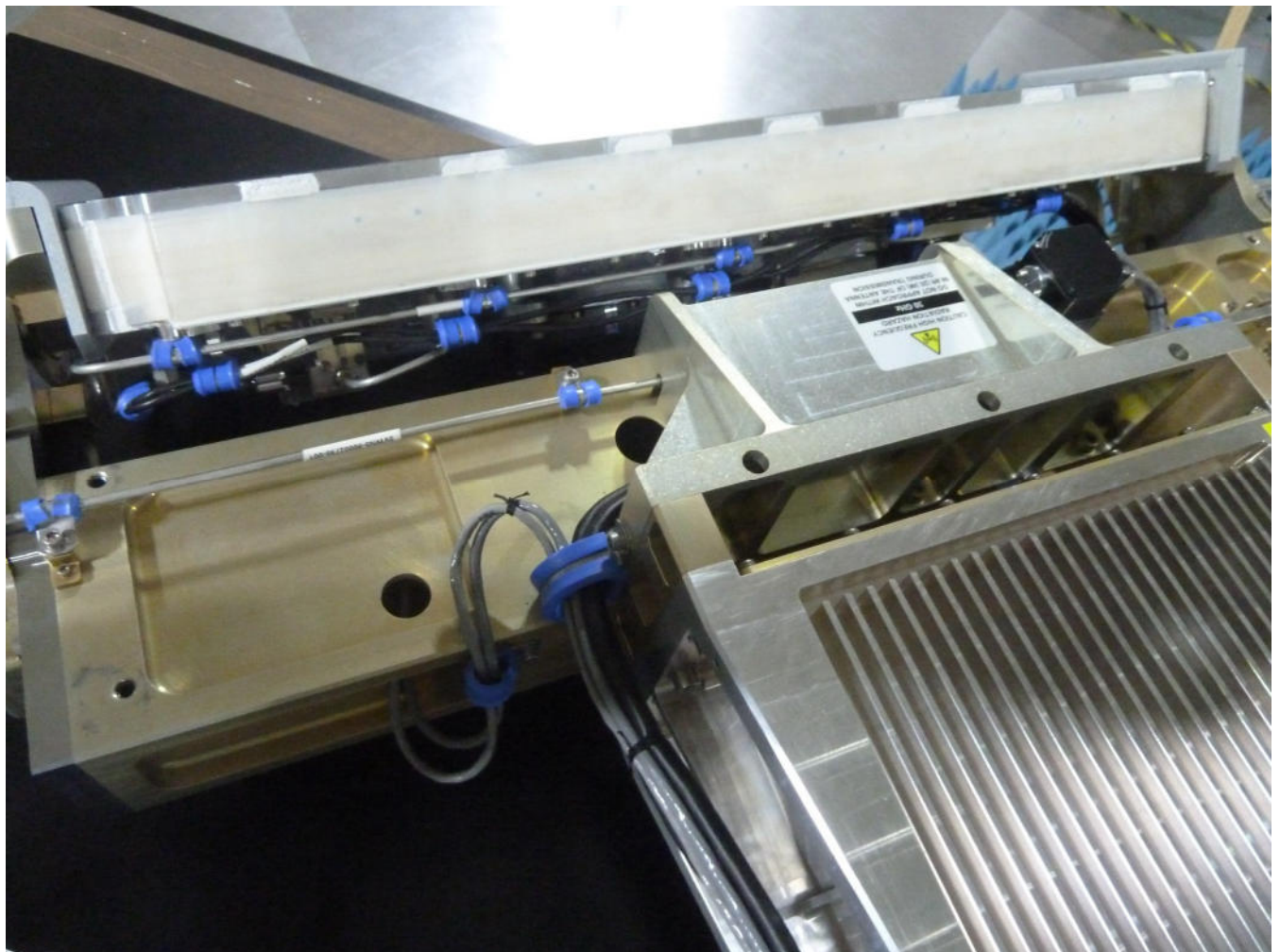
**Division:**  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: JW-2 FMA view #3

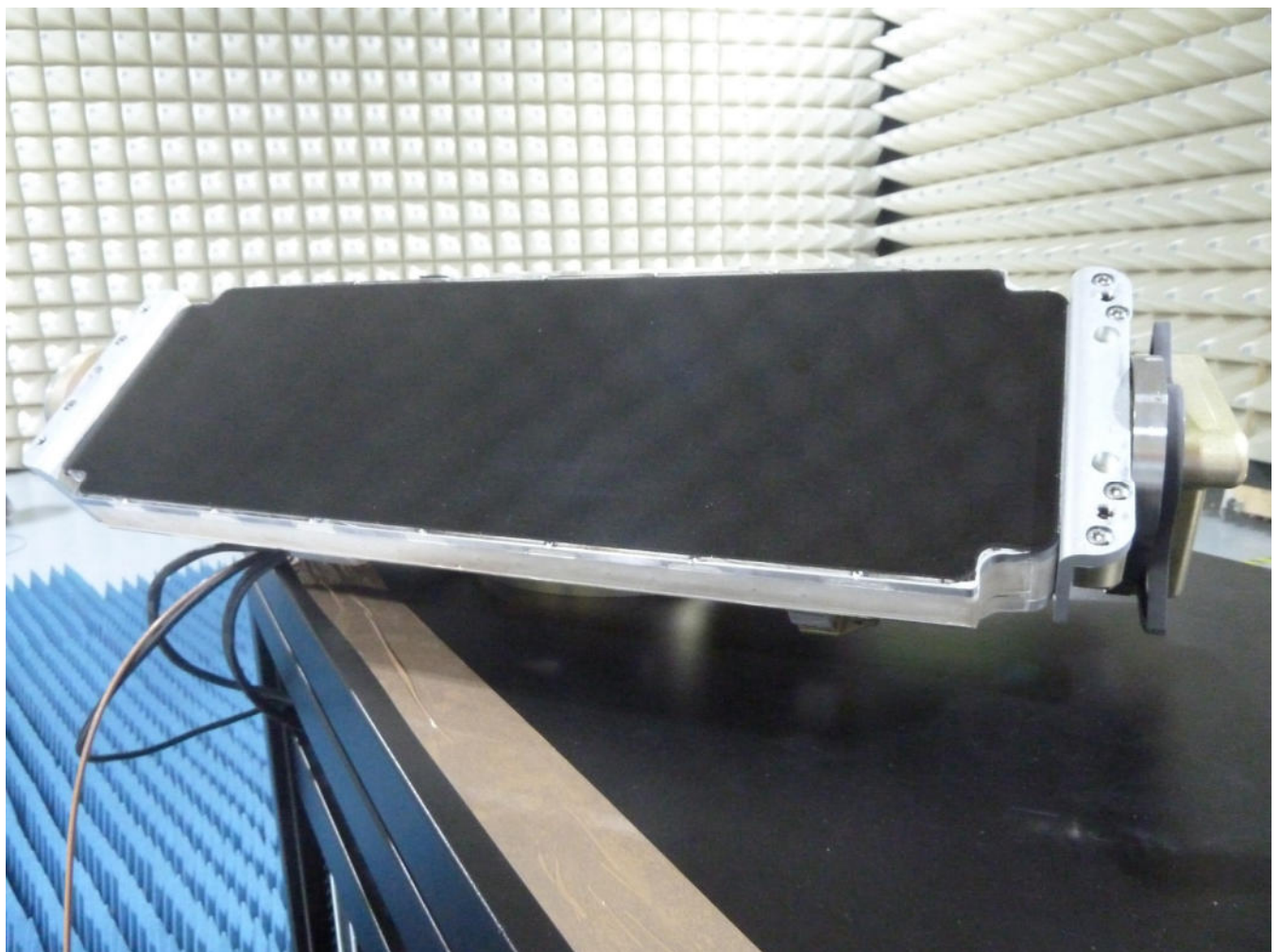
**Division:**  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: JW-2 FMA view #4

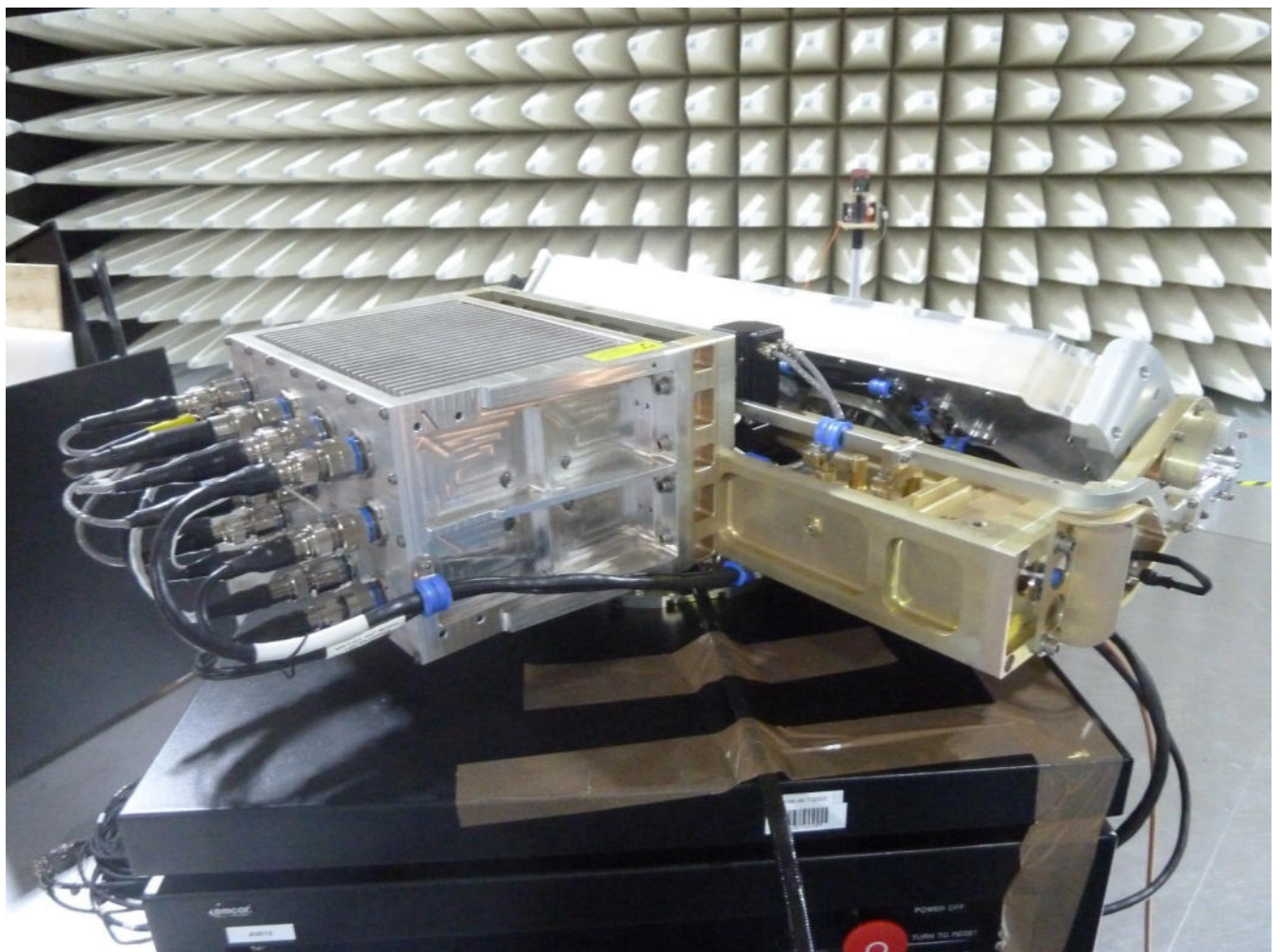
**Division:**  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: JW-2 FMA view #5

**Division:**  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: Test setup  
Conducted output power

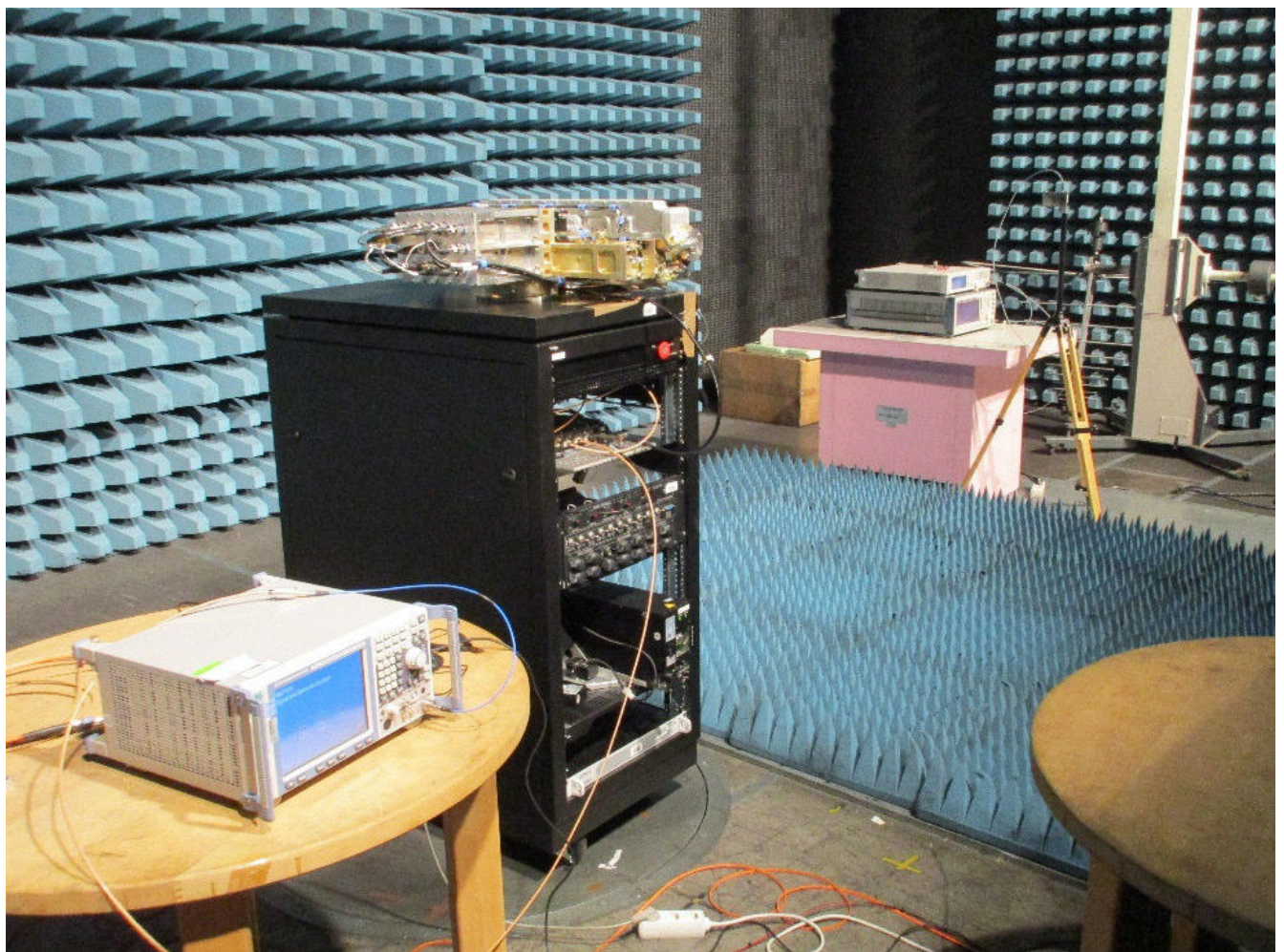
Division:  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: Test setup  
Conducted output power

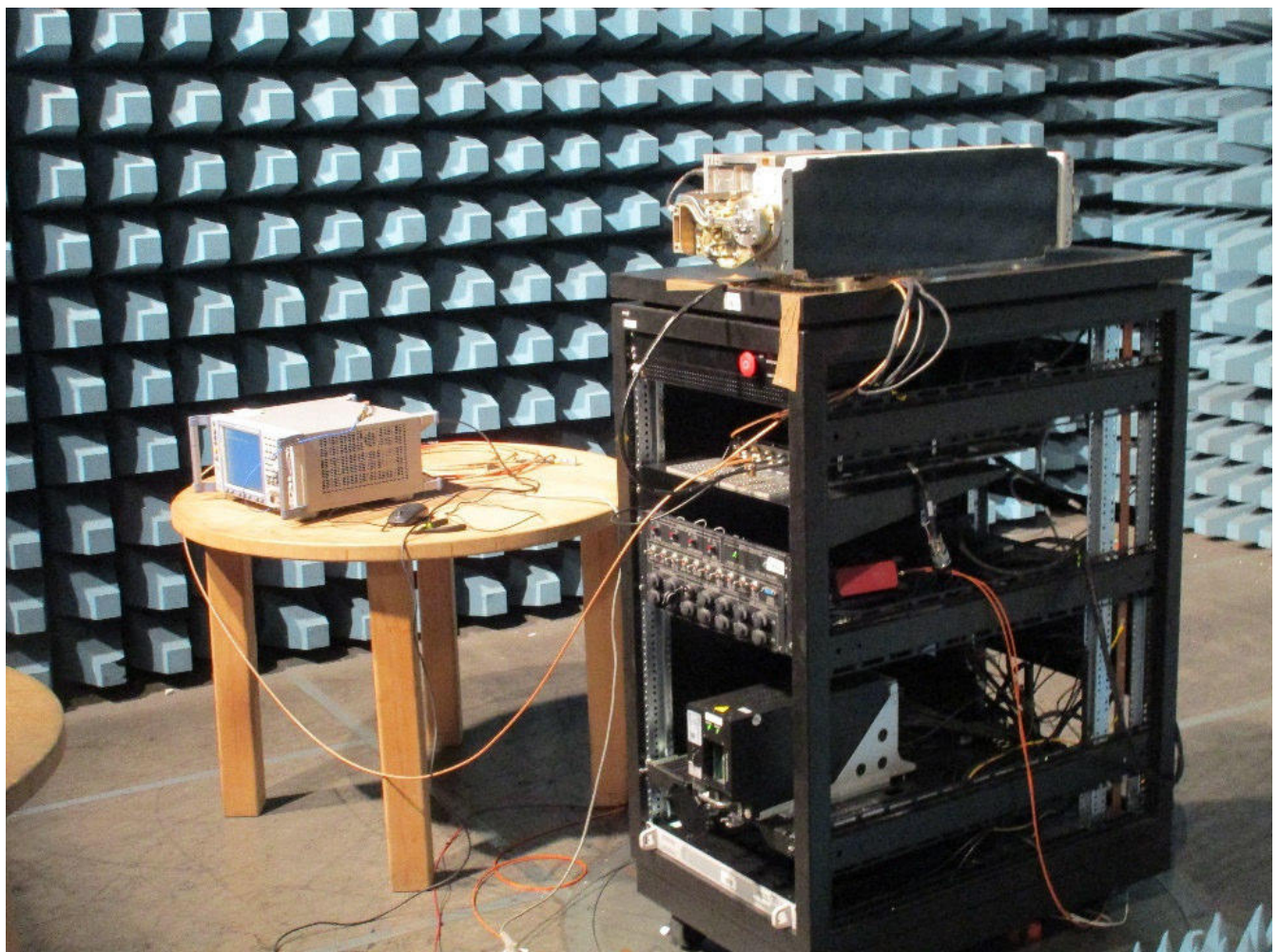
Division:  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: Test setup  
Spurious Emissions radiated 30 MHz - 1 GHz

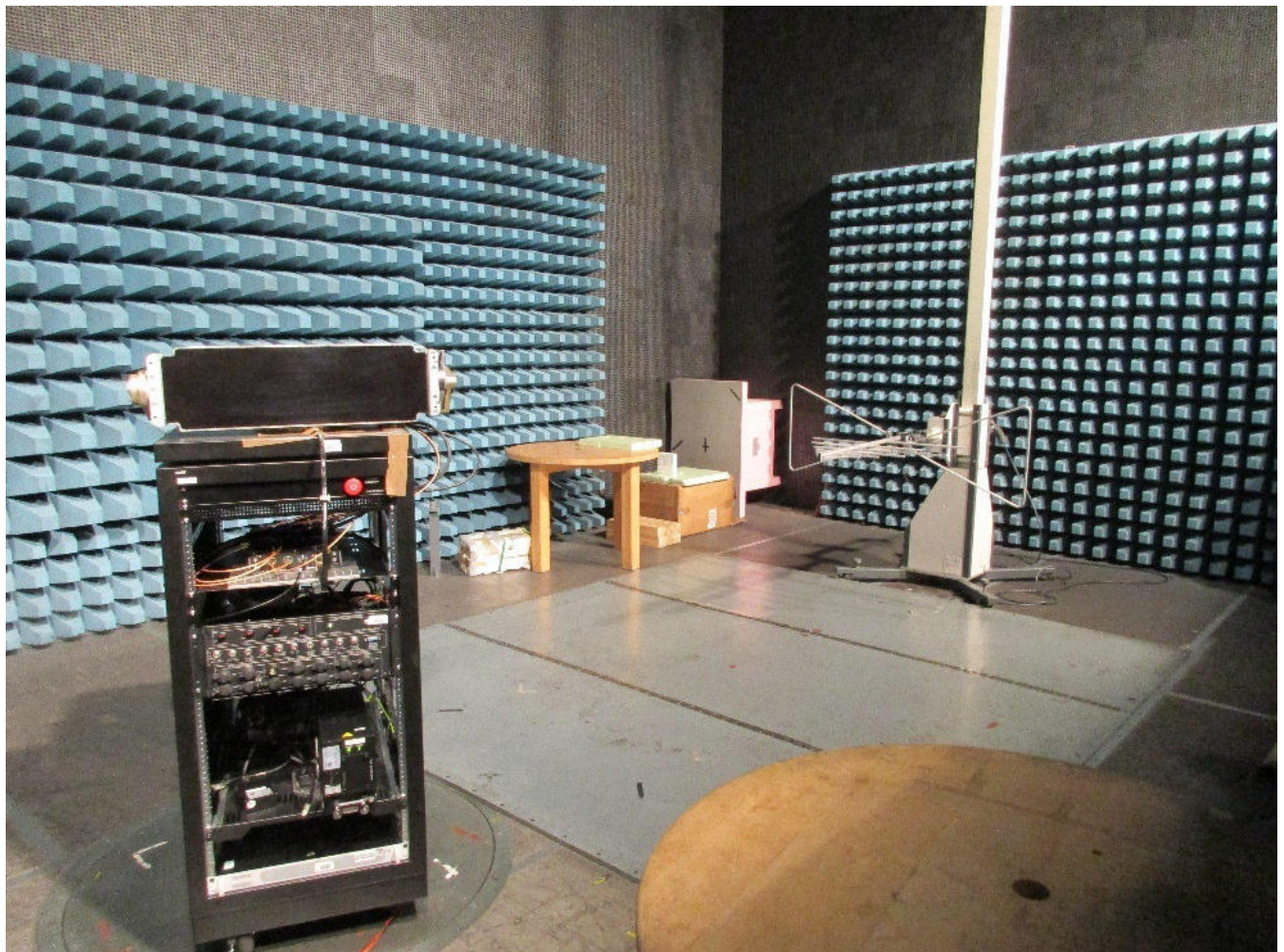
Division:  
Industry & Energy

Department: FG

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## Appendix 2 Photodocumentation

Description: Test setup  
Spurious Emissions radiated 1 - 18 GHz

Division:  
Industry & Energy

Department: FG

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## Appendix 2 Photodocumentation

Description: Test setup  
Spurious Emissions radiated 18 - 26,5 GHz

Division:  
Industry & Energy

Department: FG

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## Appendix 2 Photodocumentation

Description: Test setup  
Spurious Emissions conducted 26,5 - 40 GHz

Division:  
Industry & Energy

Department: FG

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## Appendix 2 Photodocumentation

Description: Test setup  
Spurious Emissions radiated 40 - 60 GHz

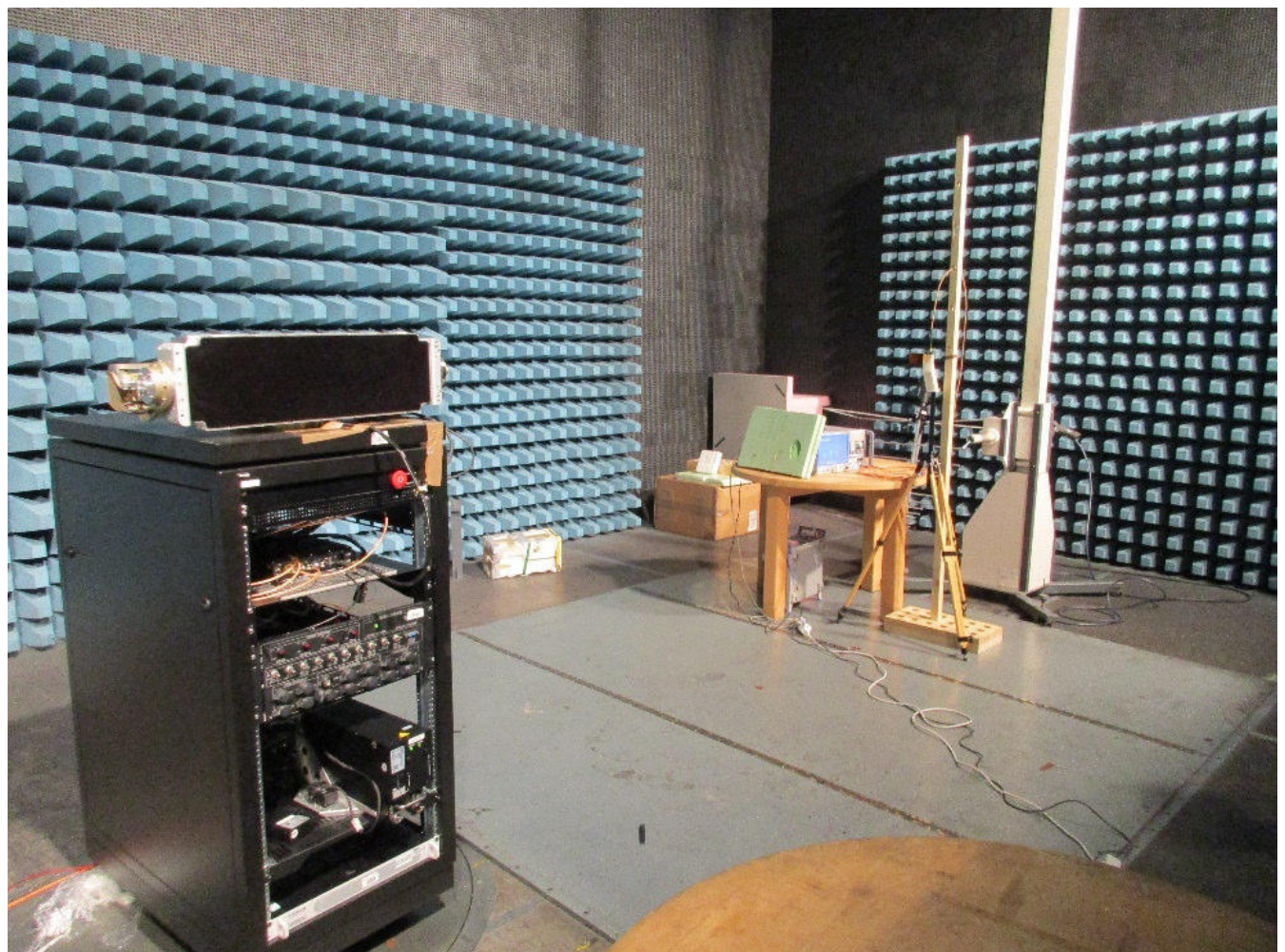
Division:  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: Test setup  
Spurious Emissions radiated 60 - 90 GHz

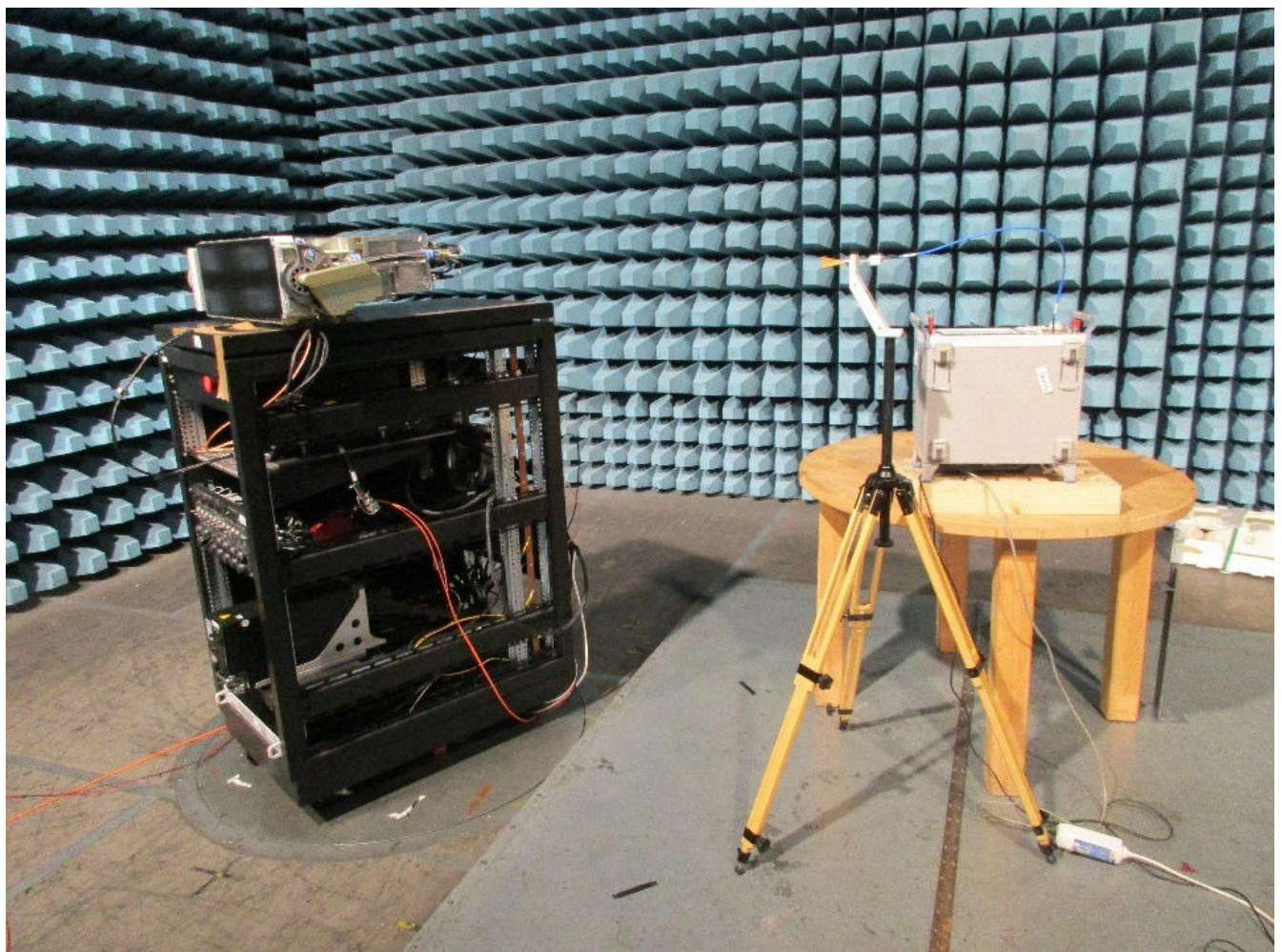
Division:  
Industry & Energy

Department: FG

Test report reference:  
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Date: 21.12.2020



## Appendix 2 Photodocumentation

Description: Test setup  
Spurious Emissions radiated 85 - 100 GHz

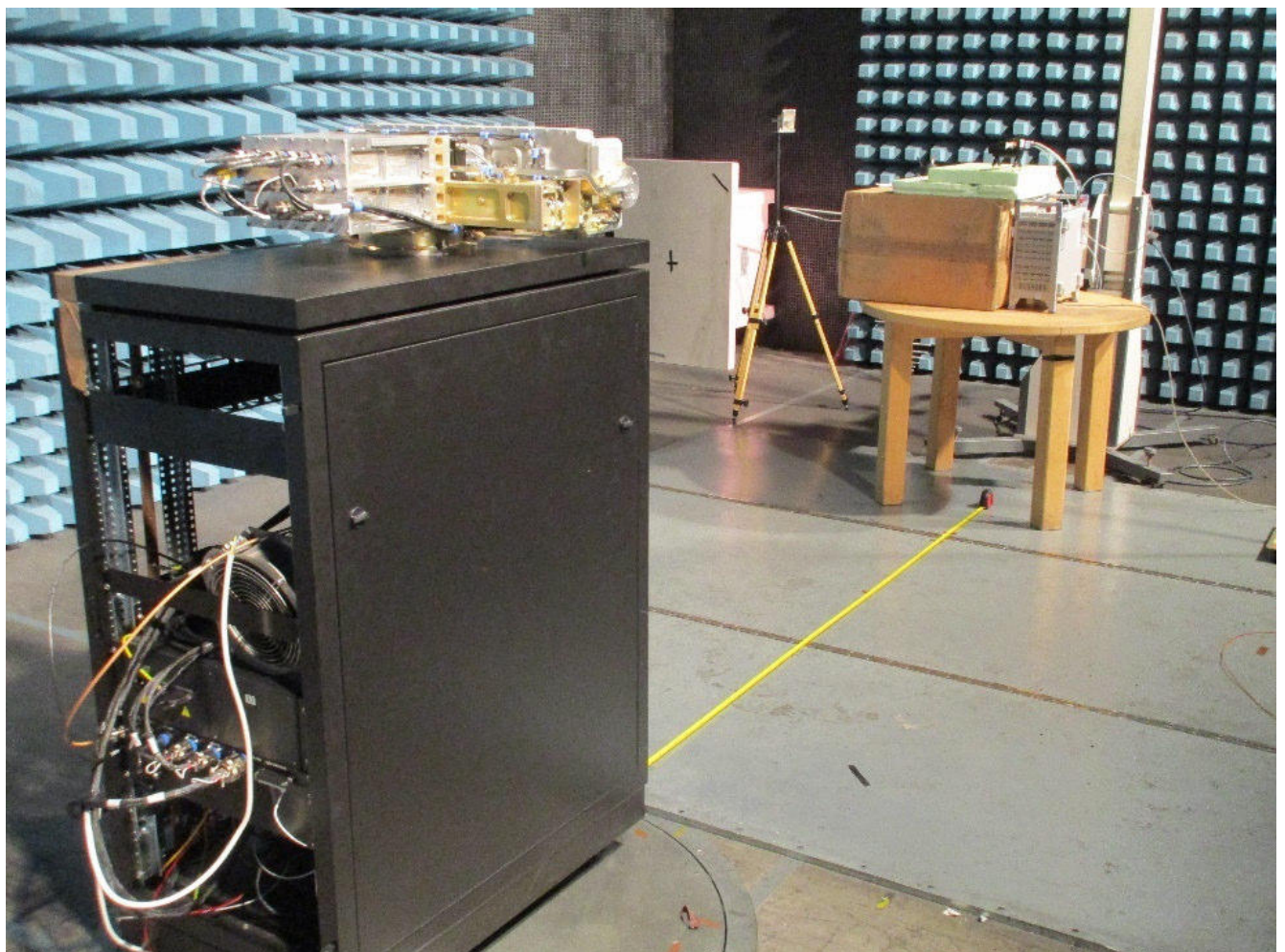
Division:  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: Test Setup  
Spurious Emissions radiated 85 - 100 GHz

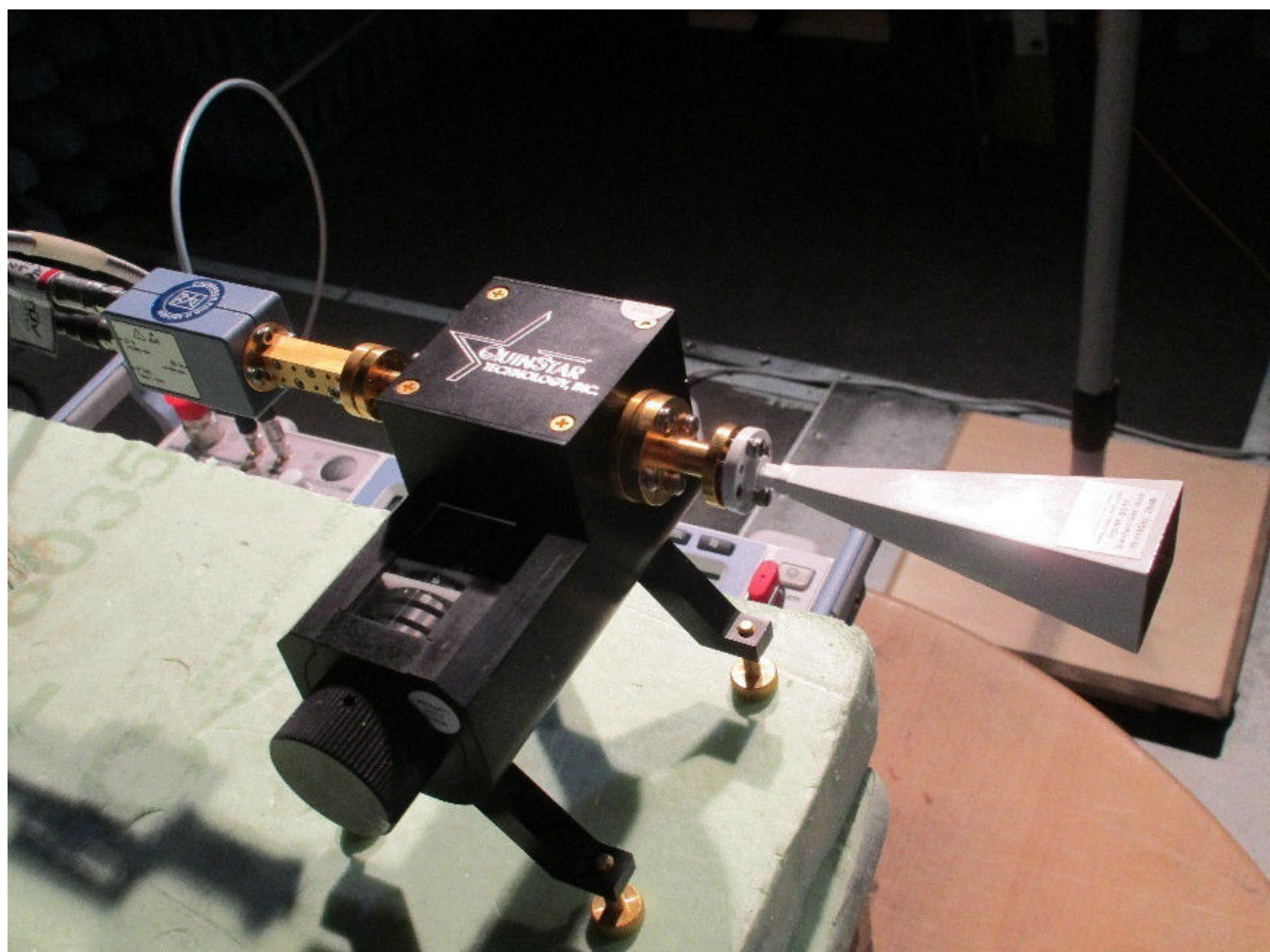
Division:  
Industry & Energy

Department: FG

Test report reference:  
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## Appendix 2 Photodocumentation

Description: Test setup  
Spurious Emissions radiated 85 - 100 GHz

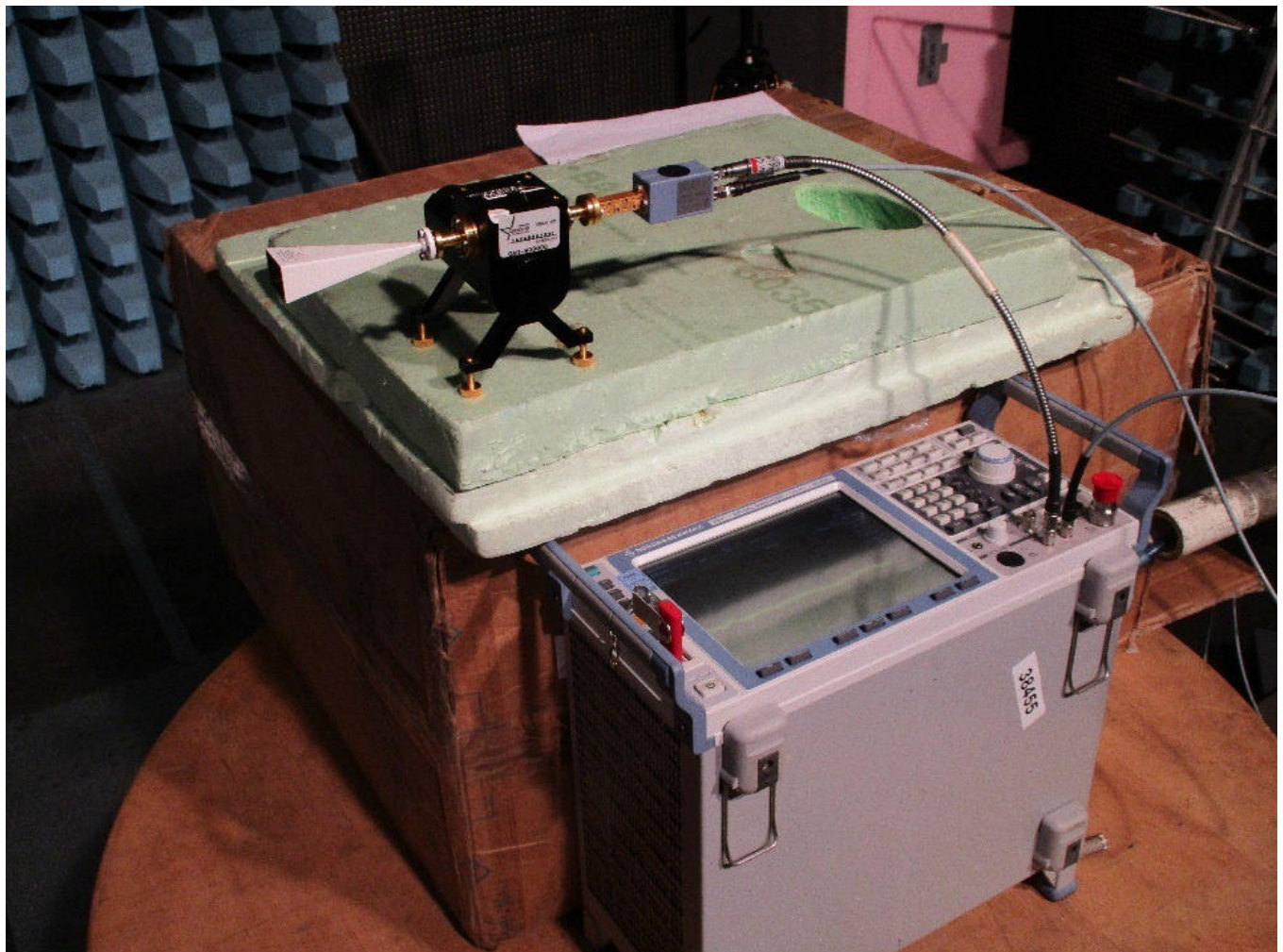
Division:  
Industry & Energy

Department: FG

Test report reference:  
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## **MCS-8562 JETWAVE TERMINAL TEST RACK DESCRIPTION**

Honeywell Jetwave Simplified System test Rack (SSTR), Honeywell Part Number 90404092, was used for the regulatory certification testing of the Honeywell MCS-8562 terminal. The SSTR provides a system overall interconnection cabling, power facilities for terminal units requiring aircraft power, external input/output controls and indicators, mechanical anchoring, airflow.

The SSTR was used during certification testing with following modifications:

1. FMA Antenna directly attached to the roof of the SSTR via antenna std mount holes,
2. BUC-HPA unit was installed in the rack to enable close proximity waveguide interconnection to the antenna,
3. AC and DC power supply was removed from the SSTR and was placed outside of anechoic / EMC test chamber. Extension AC and DC cables were used to deliver Power supply to the SSTR. DC power supply was facility provided,
4. External PC with dedicated peripheral was used to generate avionic serial bus data to the MCS-8562 KANDU to provide aircraft simulated inertial reference and global navigation data. Data provided were to set the MCS-8562 in a static pointing position and to set the MCS-8562 into normal operating mode. Serial bus was connected to the SSTR rear panel connector via extension cable line.
5. External PC was used to control and monitor the MCS-8562 prior, during and post testing. PC ethernet port connected to the MCS-8562 EN5 port via optical convertors was used.
6. For radiated functional testing appropriate horns and up and down convertors were used to stimulates system with Rx aperture signal and to monitor Tx function.

Enclosed Next: SSTR drawing Honeywell PN 90404092 revision C.

NOTES:


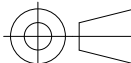
1. UNLESS SPECIFICALLY DENOTED USE LATEST REVISION OF SUBASSEMBLIES / PARTS.
2. CONNECT ALL DEVICES PER BLOCK DIAGRAM IN PAGE 3. CONSULT 90404527 FOR THE SYSTEM WIRE , CABLE INTERCONNECTION.
3. OBSERVE BOM QTY COLUMNS FOR FMA, TMA OR DUAL ANTENNA INSTALLATIONS.
4. MAINTAIN SYSTEM PER 90404532.
5. REPLACE XXX WITH INCREMENTAL SERIAL NUMBER.
6. MANUAL (PART # MN-90404532) SHALL BE SHIPPED WITH THE GXA JETWAVE.
7. ANY TECHNICAL CHANGES TO THIS PRODUCT ARE REQUIRED TO BE EVALUATED PER RELEVANT DIRECTIVES FOR CE MARKING. ANY DEVIATIONS TO THIS DRAWING DURING THE MANUFACTURING OF THE PART MUST BE APPROVED BY HONEYWELL.
8. VNV PLAN (PART # 90404341).
9. MARK GENERIC LABEL AS SHOWN PER AS478-2, -3, -12, -15 OR -35.
10. MARK DATE OF MANUFACTURING (DOM) IN THE FOLLOWING FORMAT:  
DOM MMM YYYY  
WHERE MMM=3 ALPHA CHARACTERS FOR THE MONTH  
WHERE YYYY= 4 NUMERIC CHARACTERS FOR THE YEAR  
THERE IS A SPACE BETWEEN DOM AND MMM, AND BETWEEN MMM AND YYYY
11. USING OF 1U PSU AND 1U BLANKING PANEL IS OPTIONAL MODIFICATION.  
(FOR MORE INFORMATION SEE DRAWING 90404525).
12. DEPENDING ON THE ITEM FN 5 MODIFICATION, MINOR ADJUSTMENT OF ITEM FN 3, CONCERNING THE PSU AC POWER INPUT AND AC POWER OUTPUT CONNECTION METHOD, MIGHT BE REQUIRED.
13. FOR TEST PURPOSES ONLY.

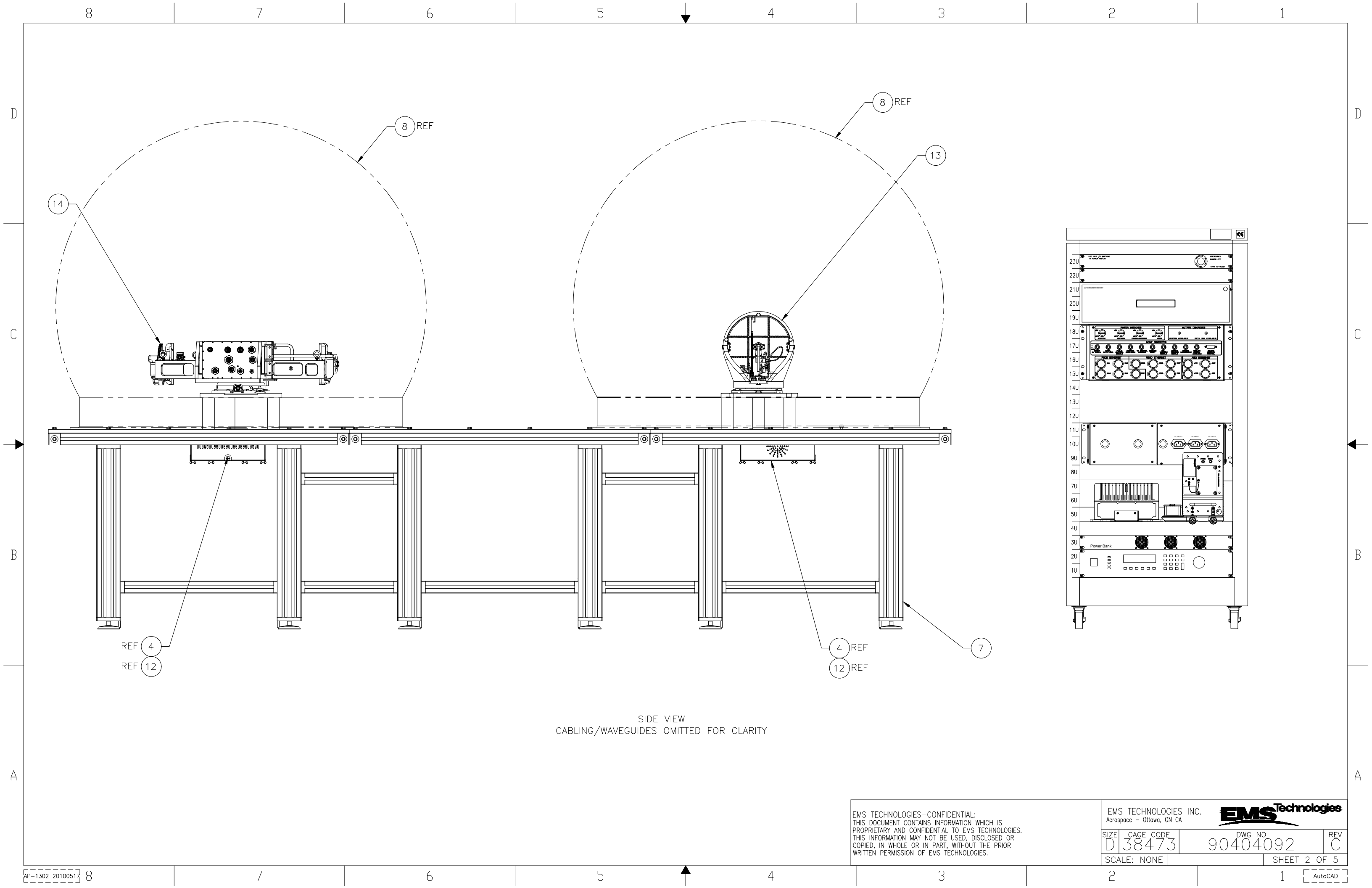
DATUM																					
LOCATION																					

LAST LTR USED																					
ALSO USED																					

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE CURRENT DESIGN ACTIVITY										
REVISION HISTORY - ALL SHEETS ARE THE SAME REVISION										
ZONE	REV	DESCRIPTION							DATE	APPROVED
	A	SEE INITIAL RELEASE ECO-0266110.							SEE PDM	SEE PDM
	B	SEE ECO-0279321.							SEE PDM	SEE PDM
	C	SEE ECN-8013730.							SEE ECN	SEE ECN

16	LABEL CE			GENERIC	GENERIC	EA	1
15	LABEL			GENERIC	GENERIC	EA	1
14	JETWAVE FMA LRU			HONEYWELL	90000380	EA	REF
13	JETWAVE TMA LRU			HONEYWELL	90400013	EA	REF
12	JETWAVE KRFU LRU			HONEYWELL	90401202	EA	REF
11	JETWAVE KANDU LRU			HONEYWELL	90401566	EA	REF
10	JETWAVE APM LRU			HONEYWELL	90401121	EA	REF
9	JETWAVE MODMAN LRU			HONEYWELL	90400012	EA	REF
8	RADOME, Ka BAND RATINGS			SEATEL	131282-10	EA	REF
7	GXA SI&T, FMA & TMA ANTENNA PLATFORM			HONEYWELL	90402623	EA	REF
6	JETWAVE SSTR - DC POWER SUPPLY KIT			HONEYWELL	90404526	EA	1
5	JETWAVE SSTR - AC POWER SUPPLY KIT			HONEYWELL	90404525	EA	1
4	JETWAVE SSTR TMA/FMA ANTENNA KIT			HONEYWELL	90404524	EA	1
3	JETWAVE SSTR LRU CABLE RACK ASSEMBLY SET			HONEYWELL	90404344	EA	1
2	JETWAVE SSTR - FAN TRAY MODMAN			HONEYWELL	90404343	EA	1
1	JETWAVE SSTR EMCOR 23U RACK WITH ACCESSORIES			HONEYWELL	90404342	EA	1
FIND NO.	NOMENCLATURE	REFERENCE DESIGNATOR	REMARKS	MANUFACTURER	MANUFACTURER PN	UM	QTY

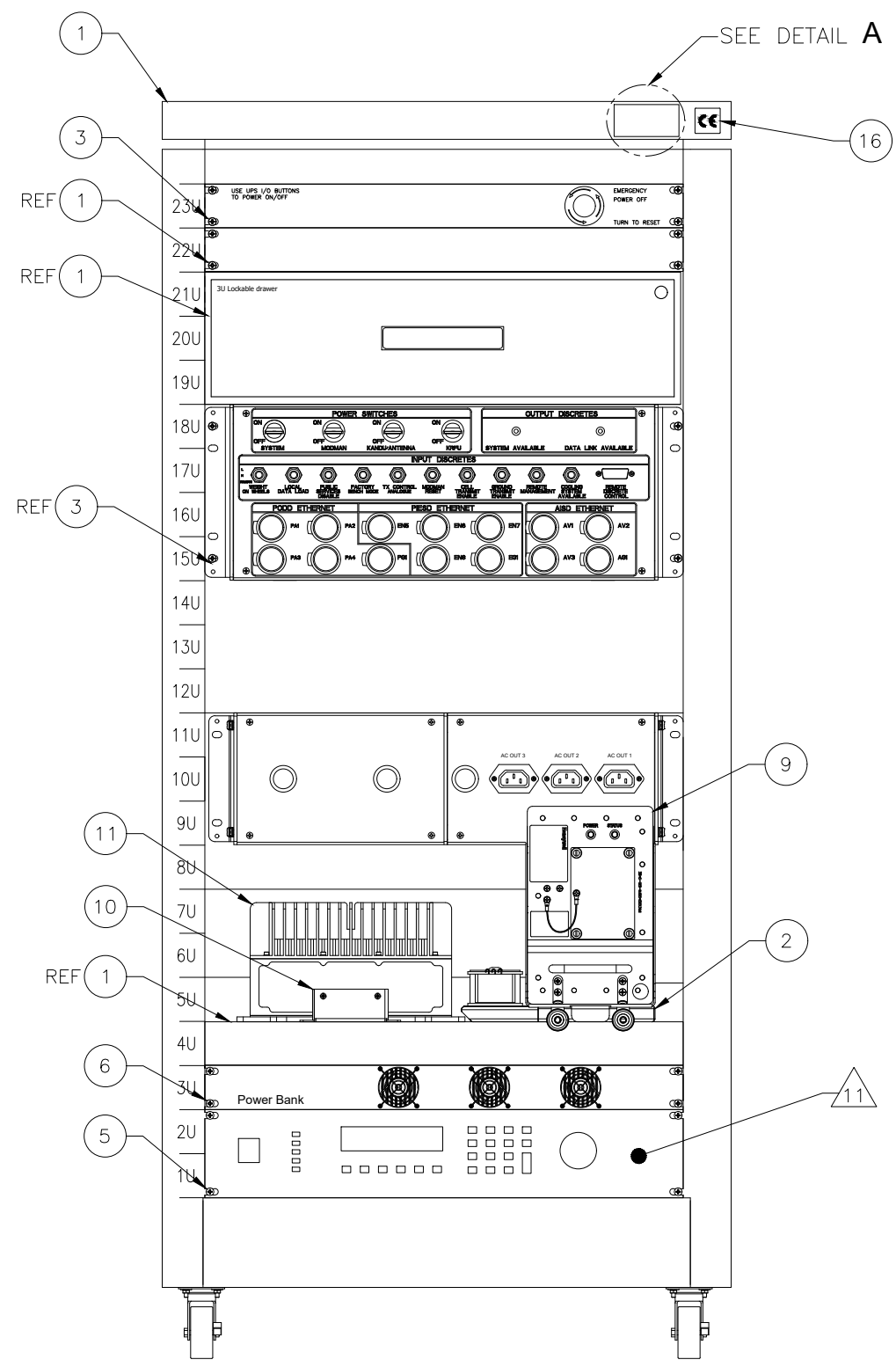
US GOVERNMENT DATA RIGHTS NONE		SIMILAR PART NO NA		DRAWING START DATE	2015-06-20	EMS TECHNOLOGIES INC. Aerospace - Ottawa, ON CA	
EMS DATA RIGHTS HONEYWELL STANDARD PROPRIETARY		PROGRAM JETWAVE		DESIGN	J.CHOVANIOK 2015-06-28		
				CHECKER	J.PEKAROVIC 2015-06-29		
EMS TECHNOLOGIES-CONFIDENTIAL: THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY AND CONFIDENTIAL TO EMS TECHNOLOGIES. THIS INFORMATION MAY NOT BE USED, DISCLOSED OR COPIED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN PERMISSION OF EMS TECHNOLOGIES.		MA WORK ORD/EWO/NETWORK ACTIVITY NO NA		PROJECT	SEE PDM	TITLE JETWAVE MOBILE INTEGRATION TEST EQUIPMENT TOP LEVEL ASSEMBLY	
		SALES ORDER NUMBER NA		QUALITY	N/A		
		THIRD ANGLE PROJECTION		ANALYST	N/A		
N/A		N/A		ELECTRONIC APPROVALS INITIAL RELEASE: ECO-0266110 ALL APPROVALS CONTROLLED BY THE PRODUCT DATA MANAGEMENT SYSTEM		SIZE	D 38473
NEXT ASSY USED ON				CONTRACT NUMBER NA		DWG NO	90404092
INITIAL APPLICATION						REV	C
				SCALE: NONE		SHEET 1 OF 5	



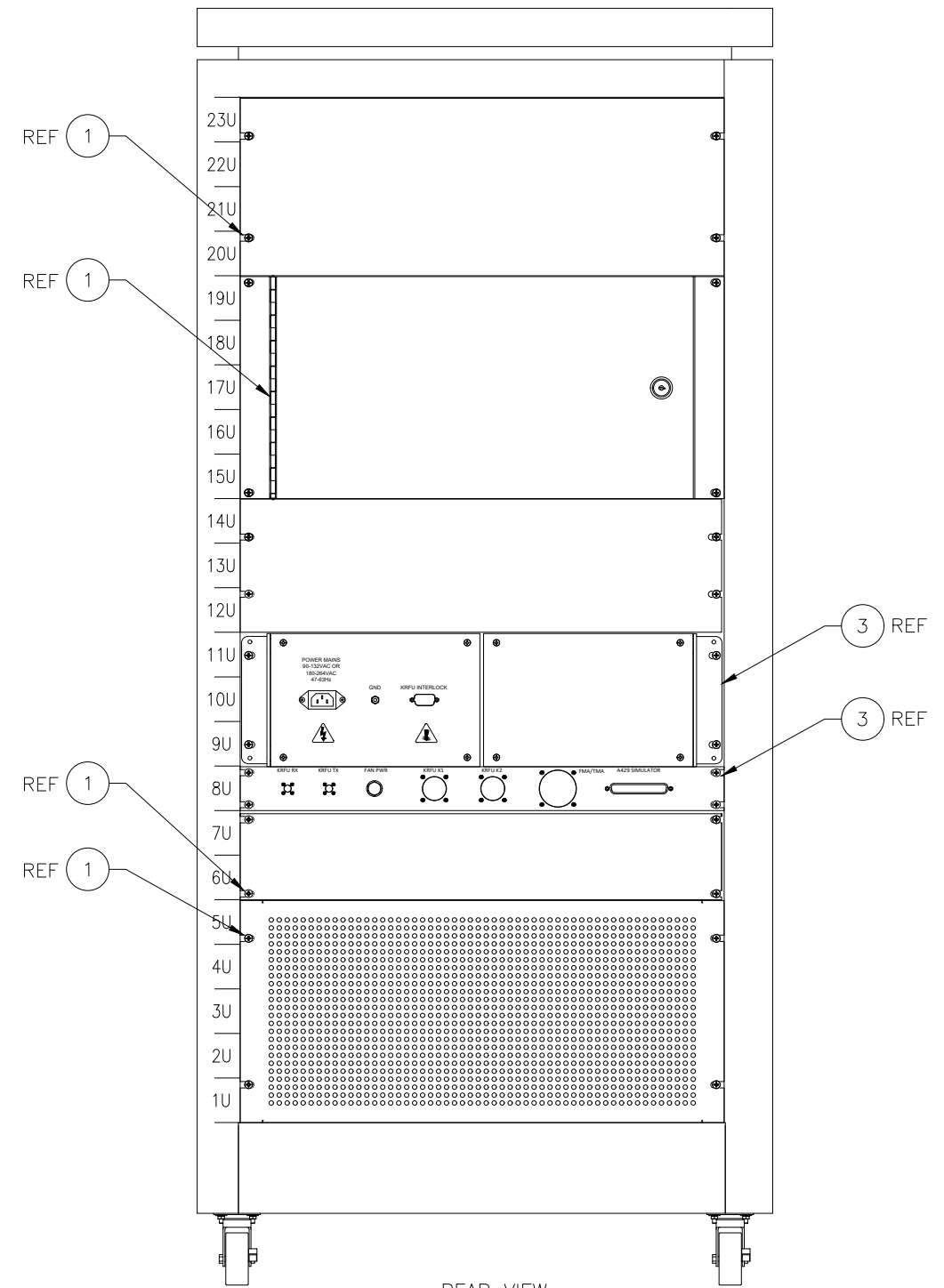
SIDE VIEW  
CABLING/WAVEGUIDES OMITTED FOR CLARITY

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SIZE D	CAGE CODE 38473	DWG NO 90404092	REV C
SCALE: NONE		SHEET 2 OF 5	



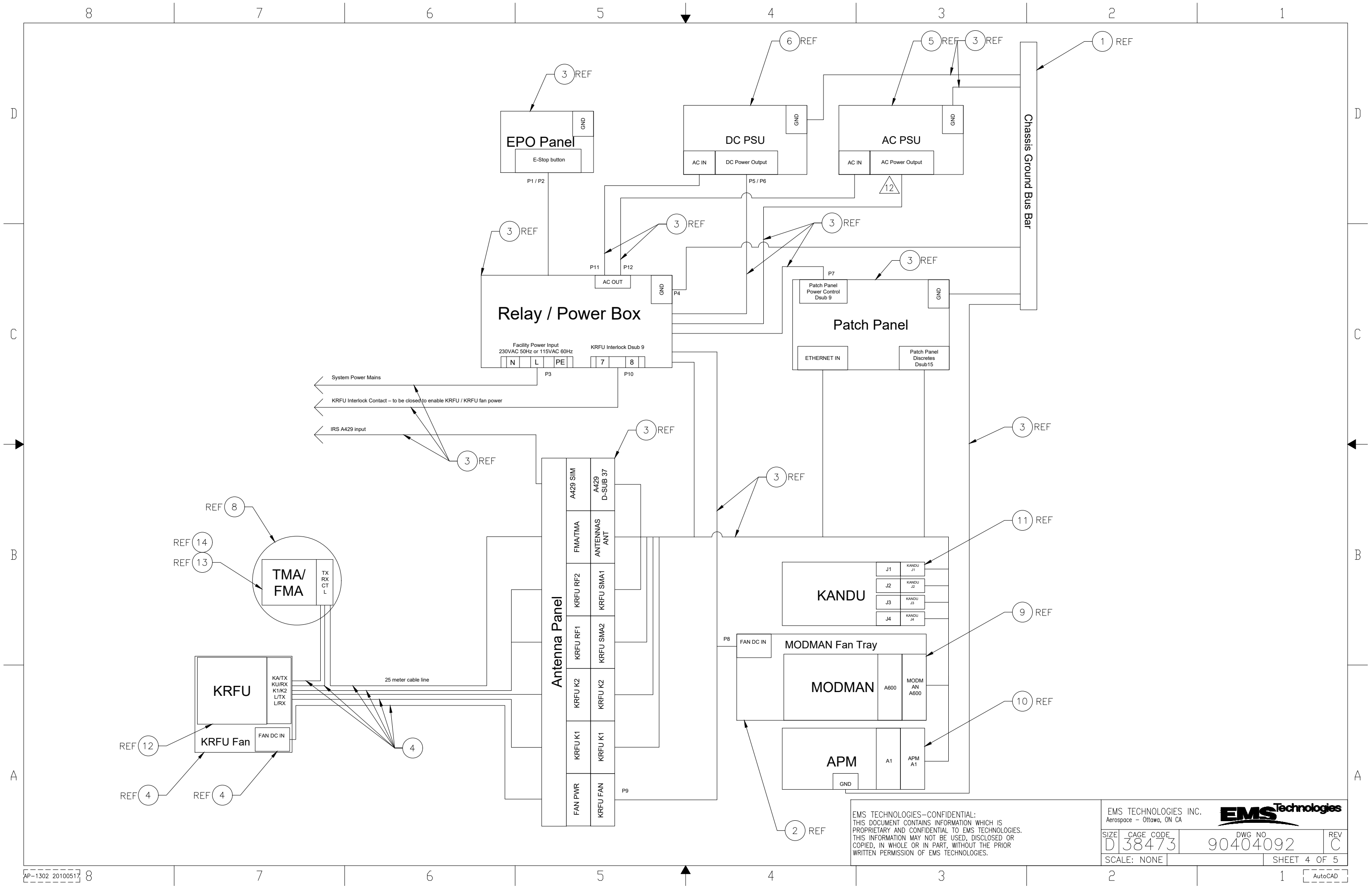
FRONT VIEW  
CABLES REMOVED FOR CLARITY



REAR VIEW  
DOOR AND CABLES REMOVED FOR CLARITY

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SIZE D	CAGE CODE 38473	DWG NO 90404092	REV C
SCALE: NONE		SHEET 3 OF 5	



System Power Mains  
 KRFU Interlock Contact – to be closed to enable KRFU / KRFU fan power  
 IRS A429 input

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SIZE	CAGE CODE	DWG NO	REV
D	38473	90404092	C
SCALE: NONE		SHEET 4 OF 5	



**Honeywell**  
Aerospace Electronic Systems

**JETWAVE MOBILE INTEGRATION  
TEST EQUIPMENT TOP LEVEL ASSEMBLY**

Nominal Voltage: 90-132 VAC or 180-264VAC  
Nominal Frequency: 47-63 Hz  
Maximum Power Consumption: 10Amps@115VAC,  
Rack Dimensions (DxHxW): 1.10m x 0.58m x 1.34m  
Rack Weight: 140KG

PN: 90404092	SN: XXX	DOM
REV: C		ODA-38473
		MFR-06848

1.57" [40.0mm]

3.03" [77.0mm]

DETAIL A  
SCALE NONE

END OF TEST REPORT

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SIZE	CAGE CODE	DWG NO	REV	
D	38473	90404092	C	
SCALE: NONE		SHEET 5 OF 5		