



Antenna Test Report

Product Name: HPR-REM06
Model Name: HPR-REM06
Document Number: 3TQ-25012-PR11-E02-03
Document Title: Antenna Report+Gain HPR-REM06
Test Result: No judgement
Test Conclusion:

Update Reference:
-original report name:

-original report
number:
Update Reason: None

Notice: This result relates only to the above mentioned EUT. Application to other systems of configurations is not permitted. The test configuration and the test results of the individual tests are shown on the following pages. Tests outside the scope of the accreditation are respectively marked out in the test coverage.

Test site: TQ-Systems GmbH, Product Compliance Center,
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1. Project Overview

1.1 Equipment under test

Product Name: HPR-REM06
Model Name: HPR-REM06
Product Category:
Manufacturer: TQ-Systems GmbH
Trademark: Not available
Serial No.: 379371.0300
Revision No.: 0300

1.2 Applicant

Company Name: TQ-Systems GmbH
Customer Name: Mr. Andreas Böhm
Address: Wildmoos 1
City: 82266 Inning am Ammersee
Country: Germany

1.3 Documentation Approval

Release Date: Aug 07, 2026

Report prepared by: Andreas Luck
Test Engineer

A handwritten signature in blue ink, appearing to read 'Andreas Luck', written over a horizontal line.

Report reviewed by: Thomas Zitzelsberger
Head of LAB EMC

A handwritten signature in blue ink, appearing to read '1.3: /h', written over a horizontal line.



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Attachments: Testprotocols



3. Result Overview

3.1 Document History

Edition	Date	Revision
3TQ-25012-PR11-E02-03	Aug 07, 2026	Model Name added; Document Title changed
3TQ-25012-PR11-E02-01	Jul 28, 2026	First Issue

In case of a revision the edition concerned is invalid. The original has to be returned and all copies have to be deleted.

3.2 Result Statement Details

Result Statement:

Discipline:	Protocol No.:	Result:
Antenna Pattern;	P1M1	Passed

Additional result explanation:

- Not applicable, see remarks on the individual test
- Not performed, see remarks on the individual test
- Passed*, see remarks on the individual test
- Passed with modification, see necessary modification described in the corresponding short report (e.g. P1M1, PxMx) in this report

3.3 Remarks on the individual tests

Test and Remarks:



4. Applicable Standards and References

The test results show that the EUT as described in this test report is in compliance with the applicable standard referenced in this report.

Customer specific test to determine antenna gain..

4.1 Standards

4.2 References

ANSI C63.10:2020

ANSI C63.10a:2024



Protocol: P1M1, Wireless Measurement

Test Result:	Passed
Result Statement:	
Product Name:	HPR-REM06
Model:	
Manufacturer:	TQ-Systems GmbH
Product Category:	
Test Description:	Antenna Pattern
Tested by:	Luck
Tested Date & Time:	22.05.2026 - 11:56
Operating conditions:	Frequencies [MHz]: 2402 / 2440 / 2480 Power at antenna [dBm]: 0,0
Graphic resolution:	
Test program:	
Test configuration:	EUT height [m]: 1,5 Receiving antenna height [m]: 1,5 Test distance [m]: 3 Turntable movement: clockwise
Comment:	Test location: CDC2
Humidity:	38 %
Temperature:	23 °C
Air Pressure:	970 hPa
Test methods:	Default

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Table of used instruments

Type	Manufacturer	Serial No.	Last Cal.	Next Cal.
Radio Test Radiated				
Antenna HF907	ROH - Rohde & Schwarz GmbH & Co. KG	103316	Aug 2025	Aug 2028
EMI Receiver ESW44	ROH - Rohde & Schwarz GmbH & Co. KG	101904	Oct 2024	Oct 2027
Preamplifier TS-PRE2	ROH - Rohde & Schwarz GmbH & Co. KG	101068	Sep 2025	Sep 2028
Switch Unit OSP220	ROH - Rohde & Schwarz GmbH & Co. KG	103432	Sep 2025	Sep 2028
Software ELEKTRA	ROH - Rohde & Schwarz GmbH & Co. KG	V 5		
Signal Generator SMA100B	ROH - Rohde & Schwarz GmbH & Co. KG	123202	Jul 2025	Jul 2028
Compact Diagnostic Chamber 2	APS - Albatross Projects GmbH, Albatross Projects		Dec 2024	Dec 2027
Tools used in 'P1M1'				



Detailed Results

Identification (Job Number)	3TQ-25012-PR11-E02; P1M1
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1.1.1 Antenna peak gain

Results:

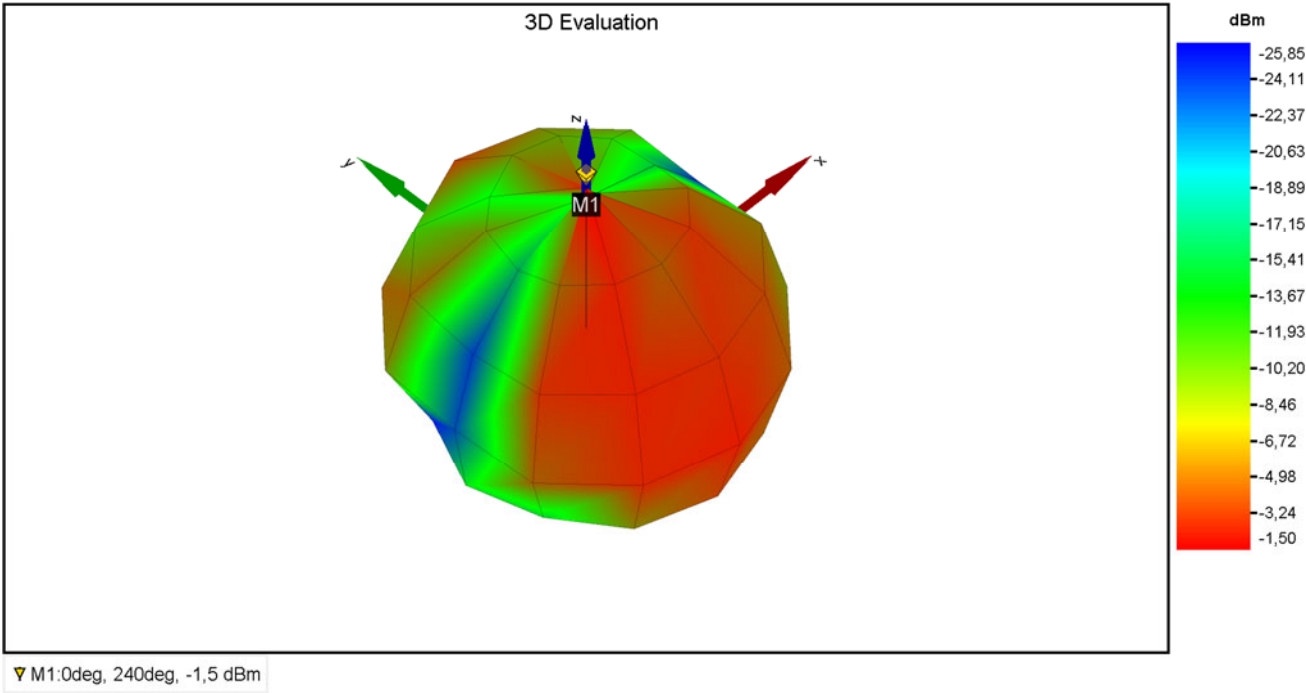
Frequency [MHz]	Gain [dBi] (Receiving Antenne Vertical)	Gain [dBi] (Receiving Antenna Horizontal)
2402	-4,84	-1,50
2440	-4,02	-1,14
2480	-2,60	-1,41



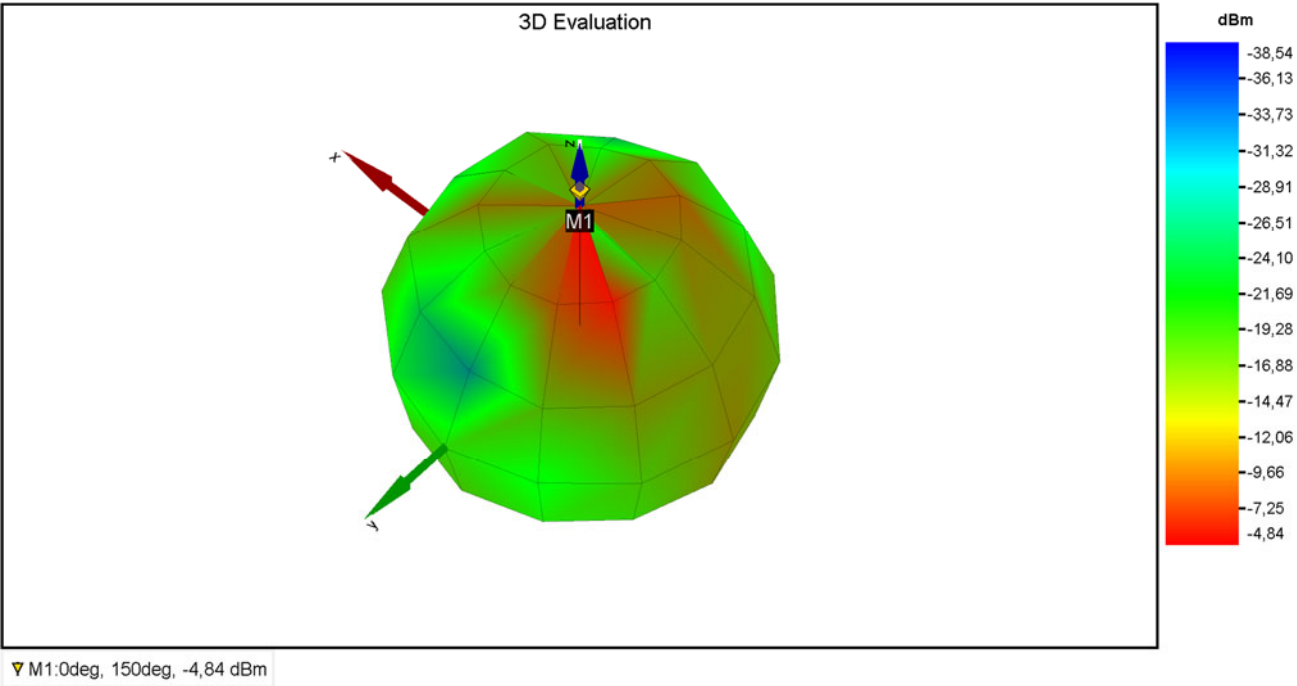
Description

Antenna Pattern 2402 MHz

Spherical 2,402 GHz H PK+ (1)



Spherical 2,402 GHz V PK+ (1)

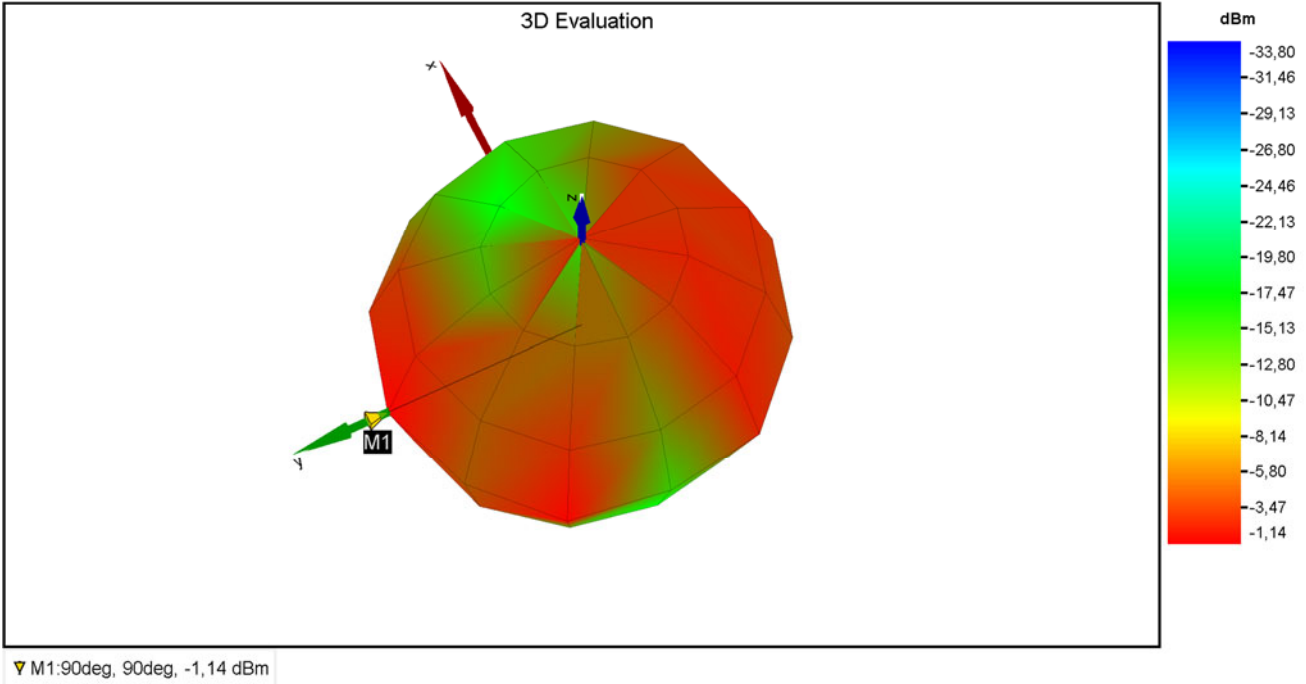




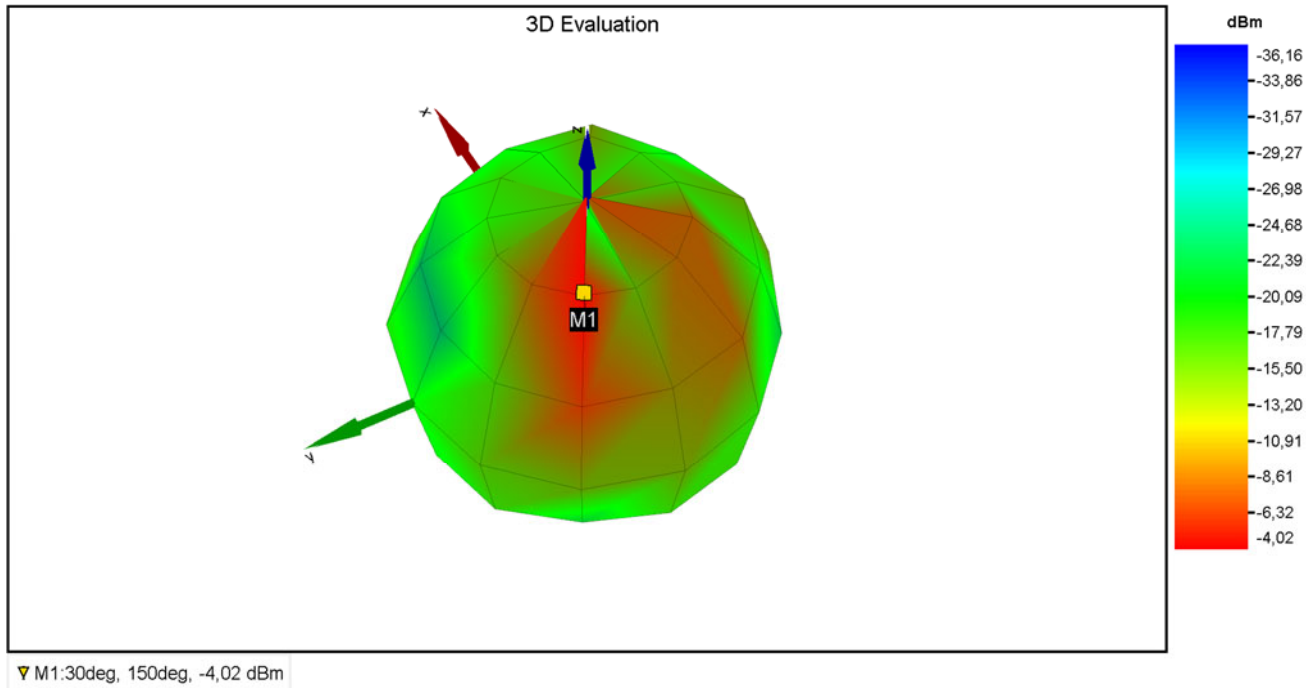
Description

Antenna Pattern 2440 MHz

Spherical 2,44 GHz H PK+



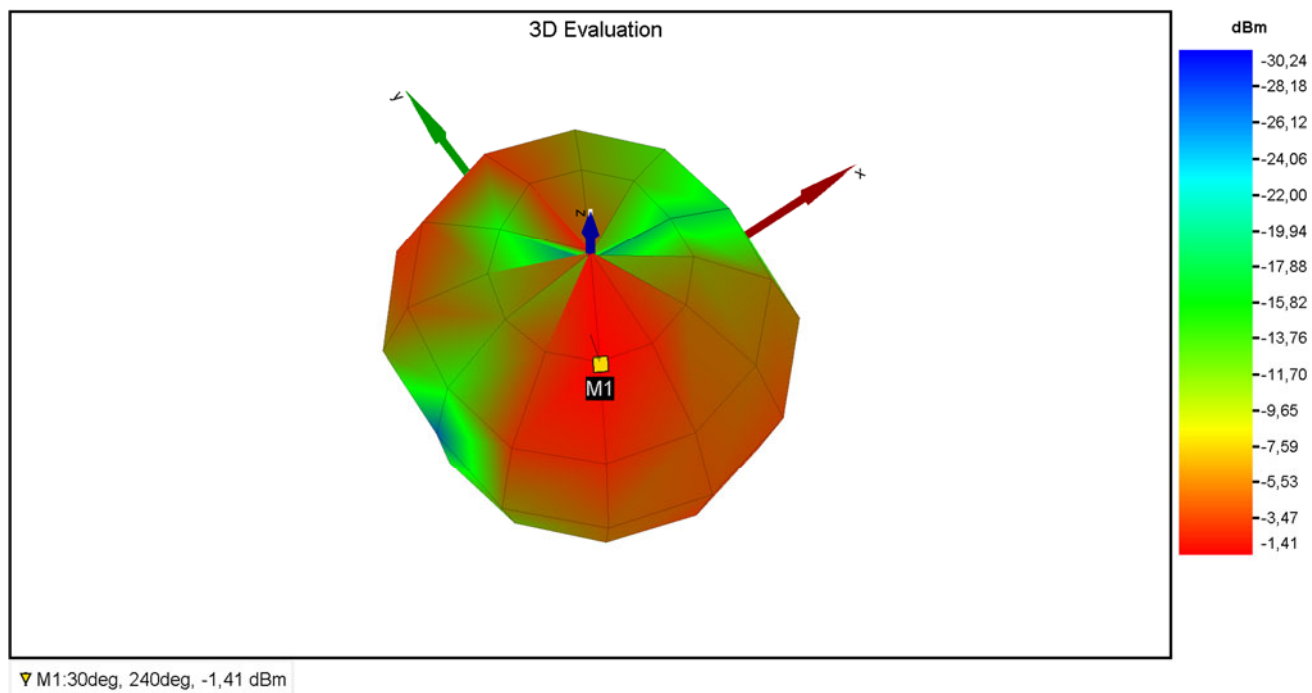
Spherical 2,44 GHz V PK+



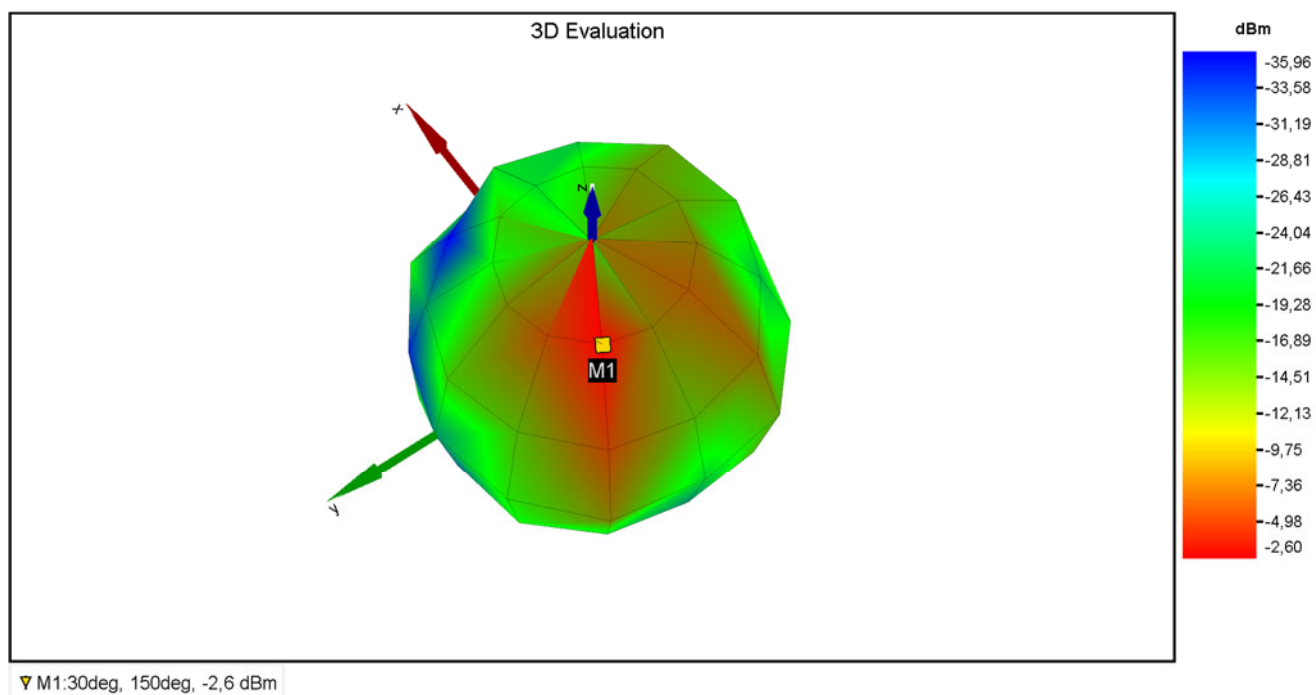
Description

Antenna Pattern 2480 MHz

Spherical 2,48 GHz H PK+ (1)



Spherical 2,48 GHz V PK+ (1)



Photos of test setup

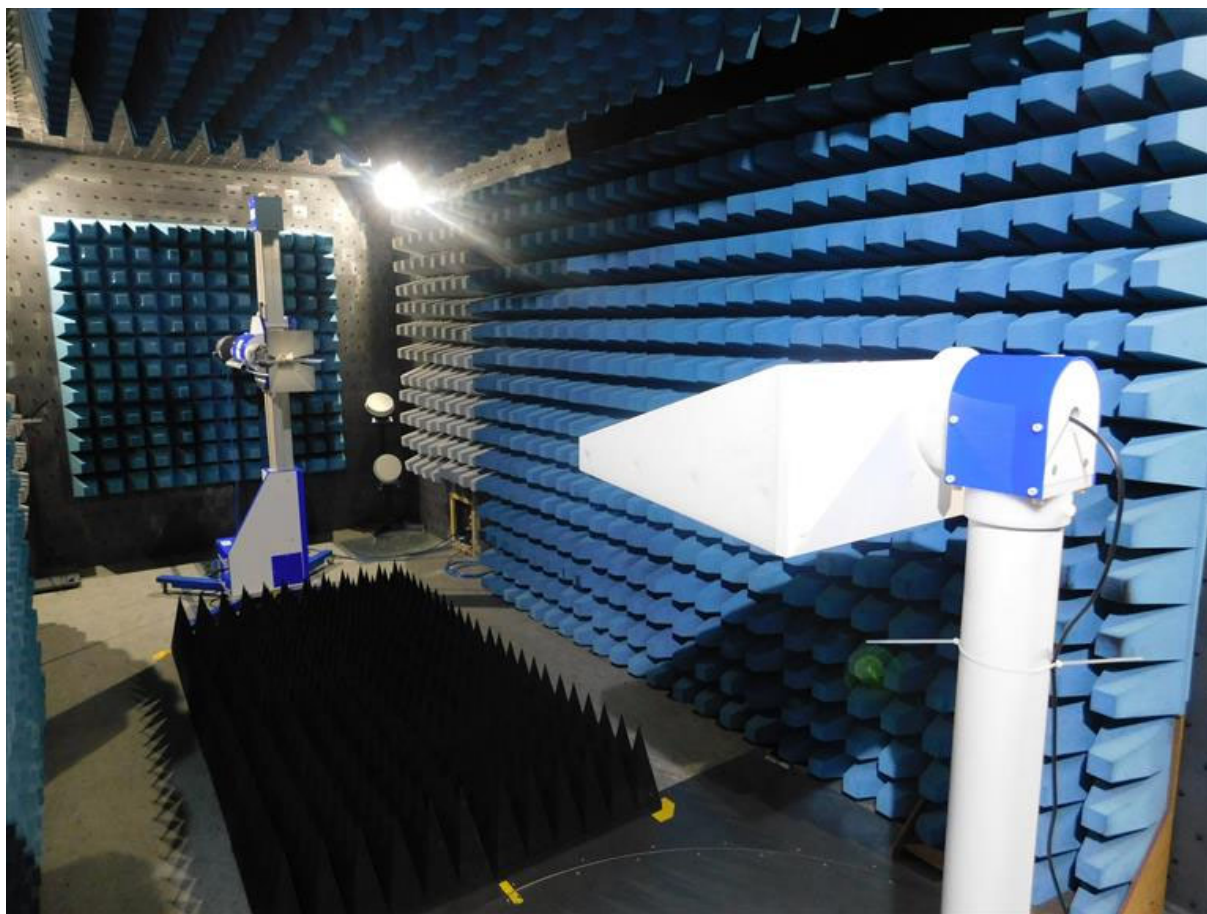


Figure 1 : Test set up Antenna Measurement



Figure 2 : Test set up Antenna Measurement

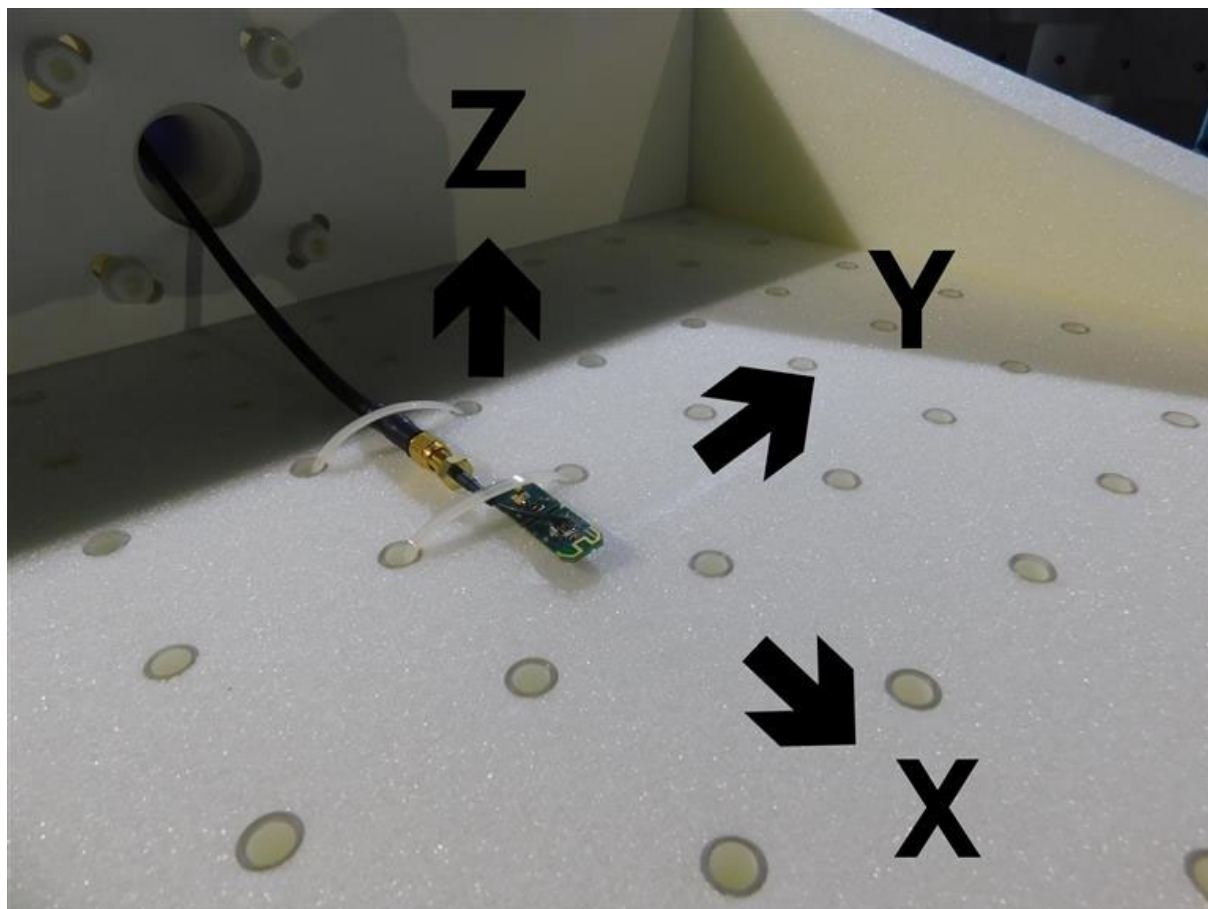


Figure 3 : Test set up Antenna Measurement

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===== end of report =====