

Prüfbericht-Nr.: Test report no.:	SE2445EQ-004_Appendix	Auftrags-Nr.: Order no.:	S0002390299	Seite 1 von 25 Page 1 of 25
Kunden-Referenz-Nr.: Client reference no.:	2380811	Auftragsdatum: Order date:	2023.12.01	
Auftraggeber: Client:	Axis Communications AB			
Prüfgegenstand: Test item:	Network surveillance camera including 60GHz radar sensor			
Bezeichnung / Typ-Nr.: Identification / Type no.:	Axis Q1686-DLE / FCC ID: PNB-AXISQ1686-DLE			
Auftrags-Inhalt: Order content:	Accredited testing			
Prüfgrundlage: Test specification:	FCC 47 CFR Part 15.255 with parts 15.207, 15.209 & 15.215 ANSI C63.10: 2013			
Wareneingangsdatum: Date of sample receipt:	2023.12.20			
Prüfmuster-Nr.: Test sample no.:	A003653502-001			
Prüfzeitraum: Testing period:	2023.12.20 - 2024.05.21			
Ort der Prüfung: Place of testing:	Lund, Sweden			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland Sweden			
Prüfergebnis*: Test result*:	Pass			
überprüft von: reviewed by:	X  Datum: 2024.06.05 Date: Signed by: Fariborz Abasi		genehmigt von: authorized by:	
Datum: 2024.06.05 Date:			X  Datum: 2024.06.05 Date: Signed by: Hakan Ahlberg	
Stellung / Position:	Technical Expert		Lab Manager	
Sonstiges / Other:	-			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts.</i>				

Revision History

REVISION	DATE	REMARKS	AUTHOR
001	2024.04.10	First Release	Fariborz Abasi
002	2024.04.26	Corrected product name	Fariborz Abasi
003	2024.05.22	Updated results from spot check to full test	Fariborz Abasi
004	2024.06.05	Updated revision to align with report	Fariborz Abasi
Note: Latest revision report will replace all previous reports			
This report based on FCC Part 15B no JBP Template version 1.1			

Table of Contents

1. GENERAL INFORMATION4

1.1 Test Site.....4

1.2 Client Information4

2. Photographs5

2.1 Photographs of the EUT5

2.2 Photographs of the Test Setup8

2.3 Photographs of the Test Setup – Frequency Tolerance / Frequency Stability24

1. GENERAL INFORMATION

1.1 Test Site

Test Facility:	TÜV Rheinland Sweden AB
Address:	Mobilvägen 10
	223 62 Lund
	Sweden
Swedac Registration Number:	10325
FCC Test Firm Registration Number:	517458
ISED Test Site Registration Number:	24753

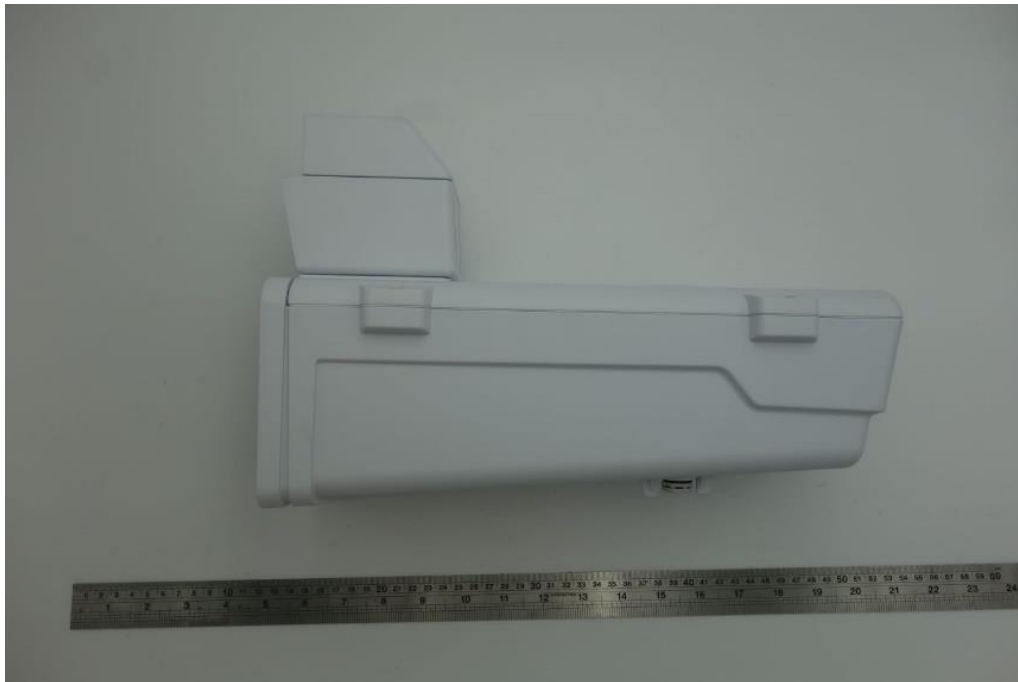
1.2 Client Information

Company Name:	Axis Communications AB
Address:	Gränden 1
	22369 Lund
	Sweden
Contact Person:	Riham Karim
Contact e-Mail / Telephone	riham.karim@axis.com +46 721 83 36 50

2. Photographs

2.1 Photographs of the EUT



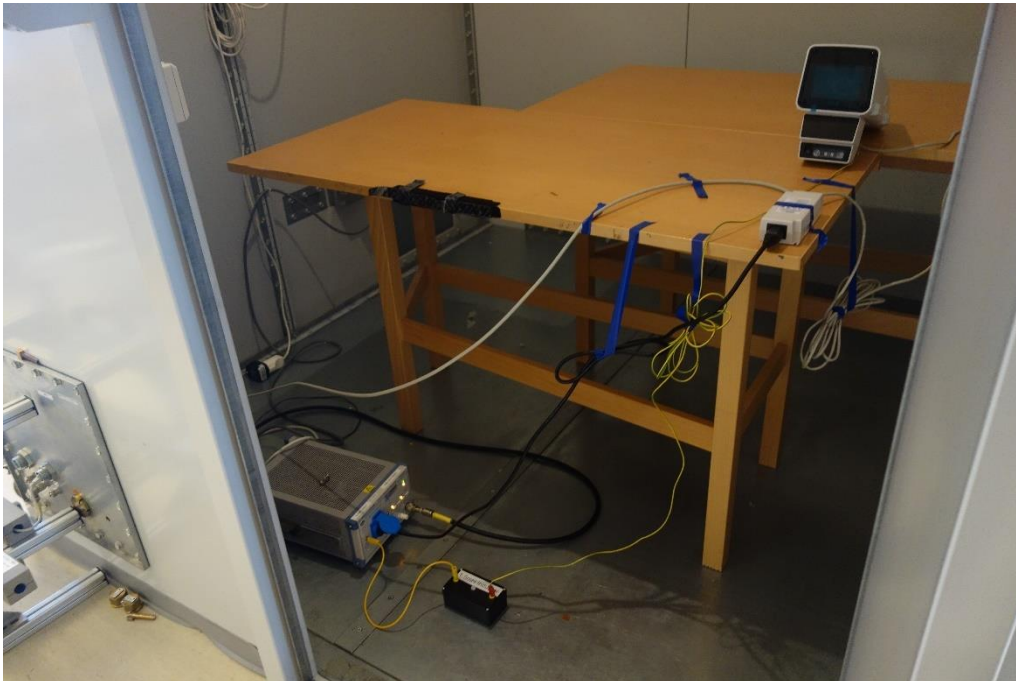




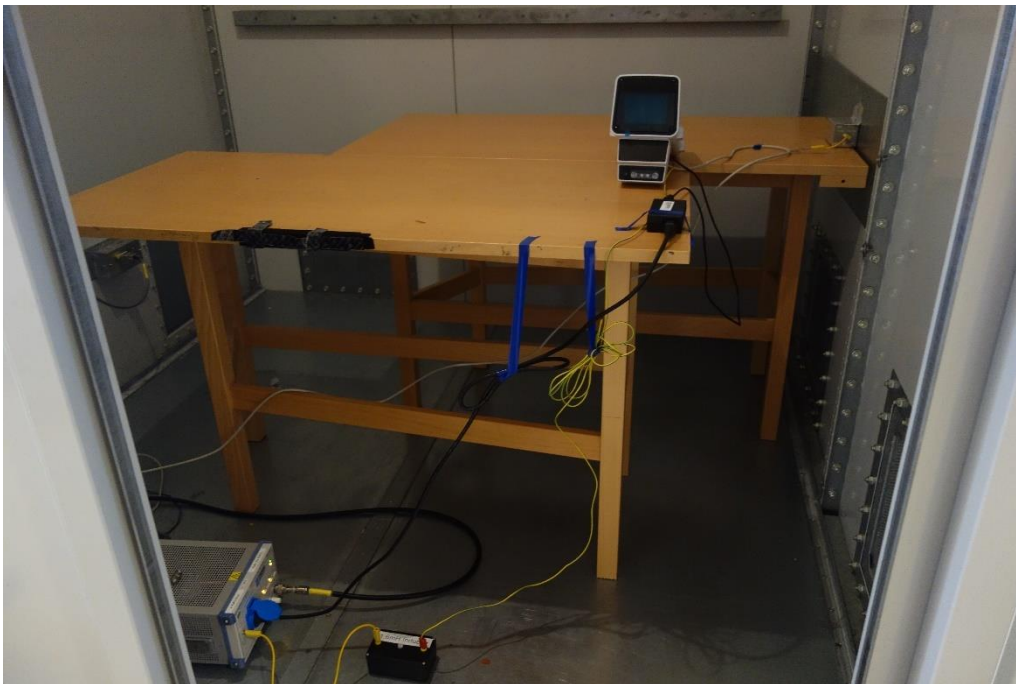
2.2 Photographs of the Test Setup

2.2.1 Conducted Emissions: AC Mains

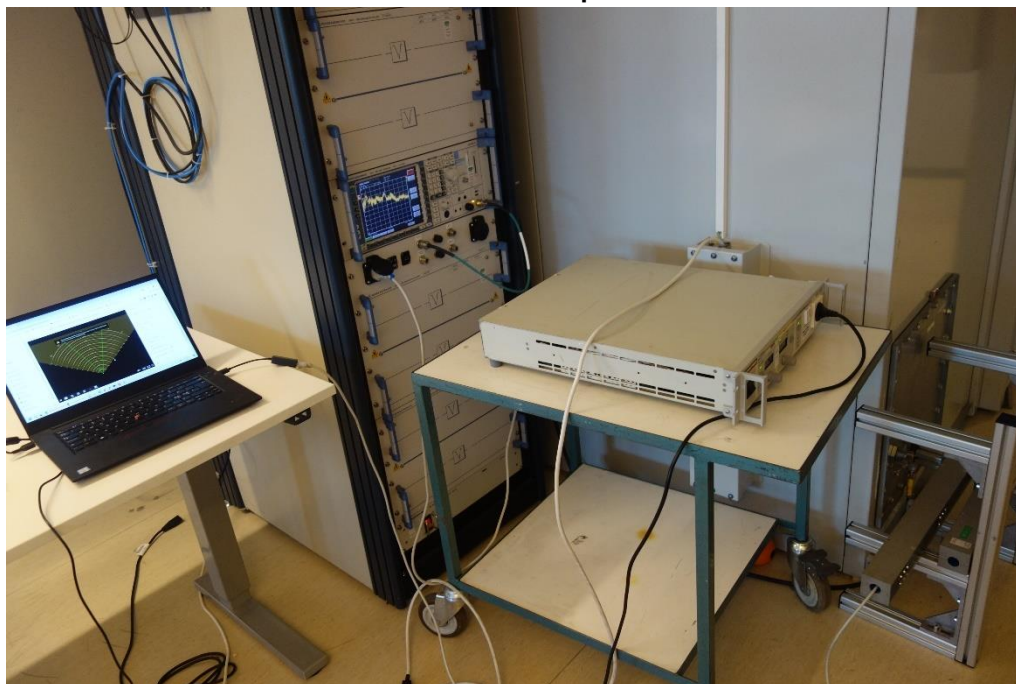
DUT powered by Ethernet power injector (PoE)



DUT powered by AC/DC Adaptor (PSU)

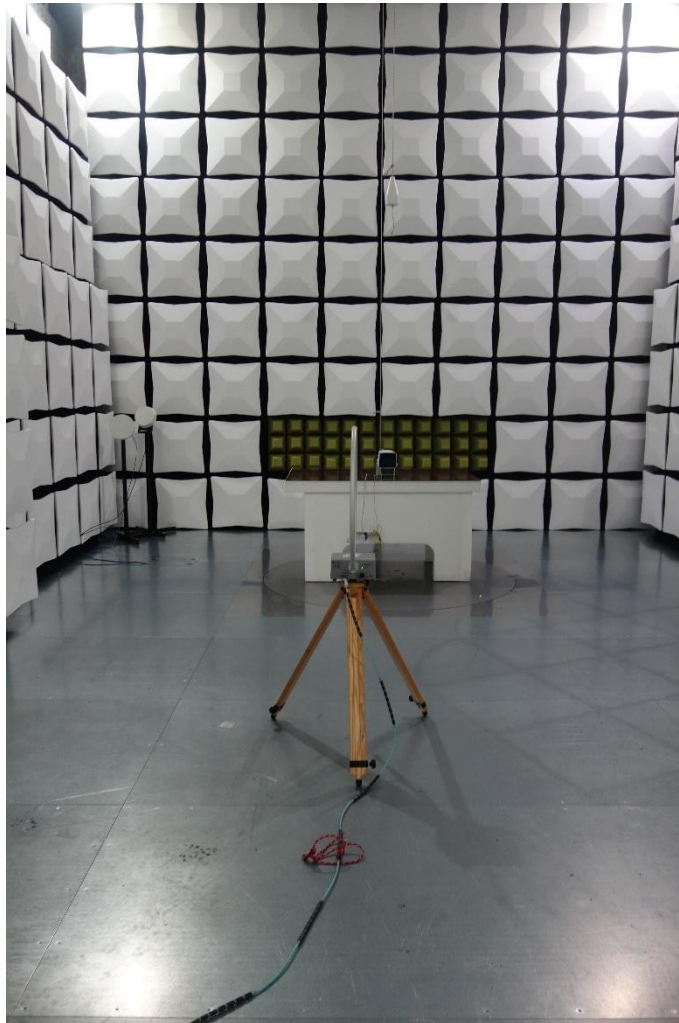


Conducted Emissions test setup outside of chamber

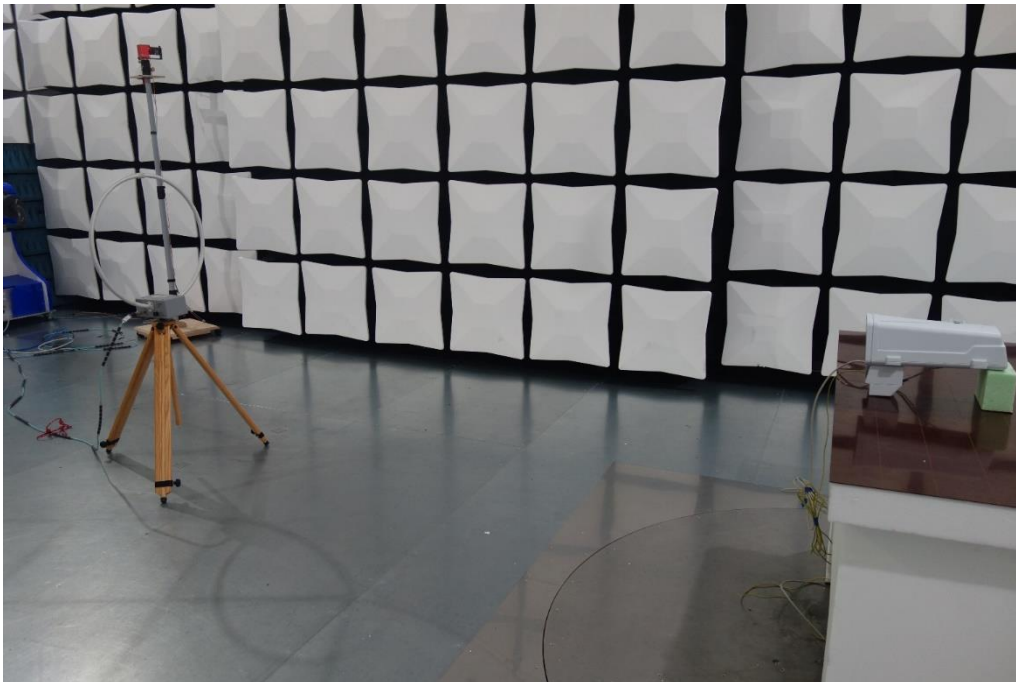


2.2.2 Spurious Emissions (Intentional Transmitter) – SAC 5

PoE-STP _ 9 kHz – 30 MHz (Antenna Parallel to Axis)



PoE-STP _ 9 kHz – 30 MHz (Antenna Perpendicular to Axis)



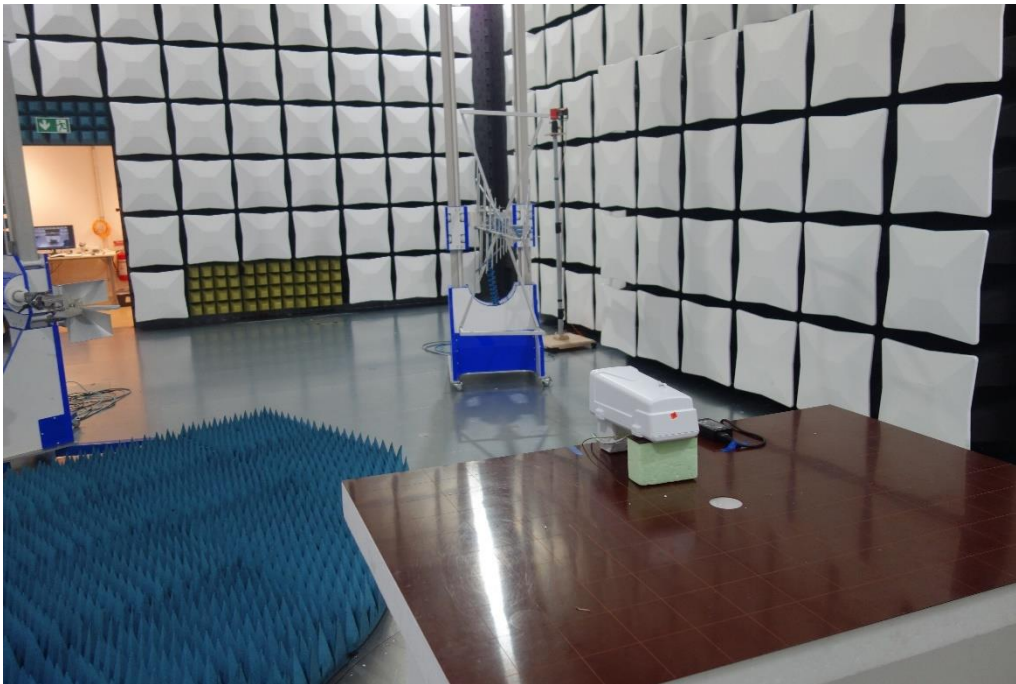
PoE-STP _ 9 kHz – 30 MHz (Antenna Parallel to Floor)



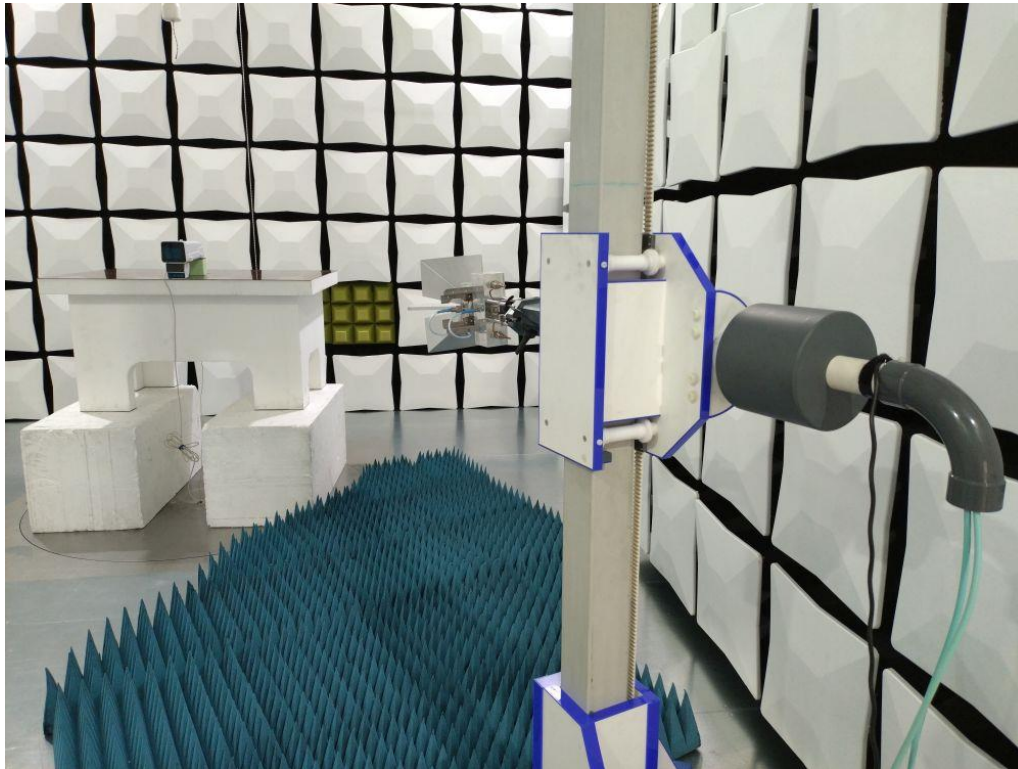
PoE-STP _ 30 MHz – 1 GHz



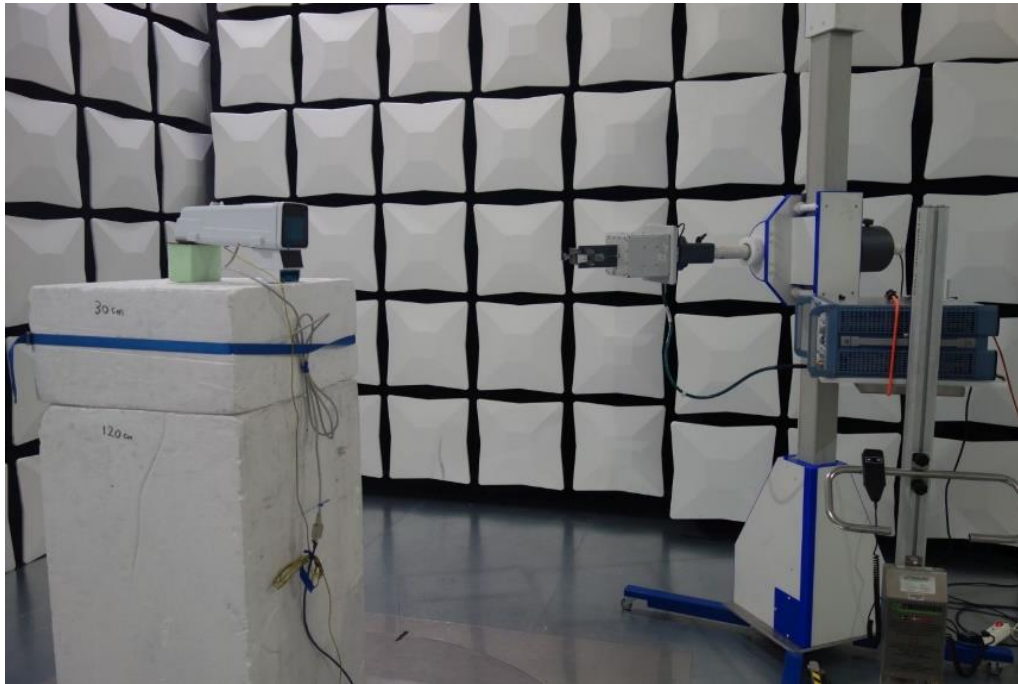
AC/DC PSU-STP _ 30 MHz – 1 GHz

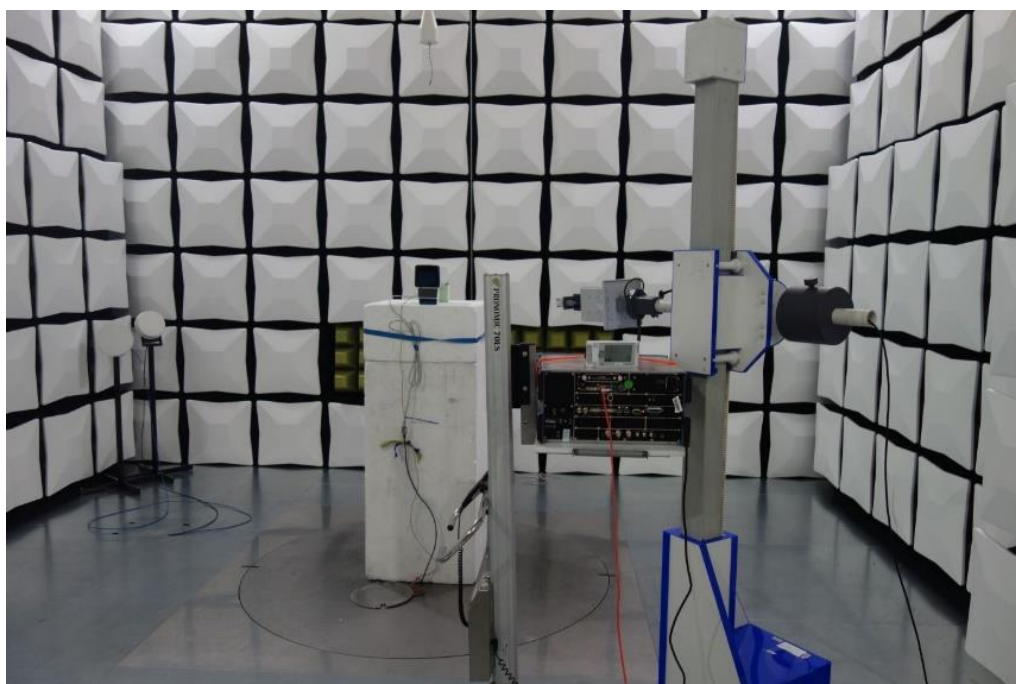


PoE-STP _ 1 GHz – 18 GHz

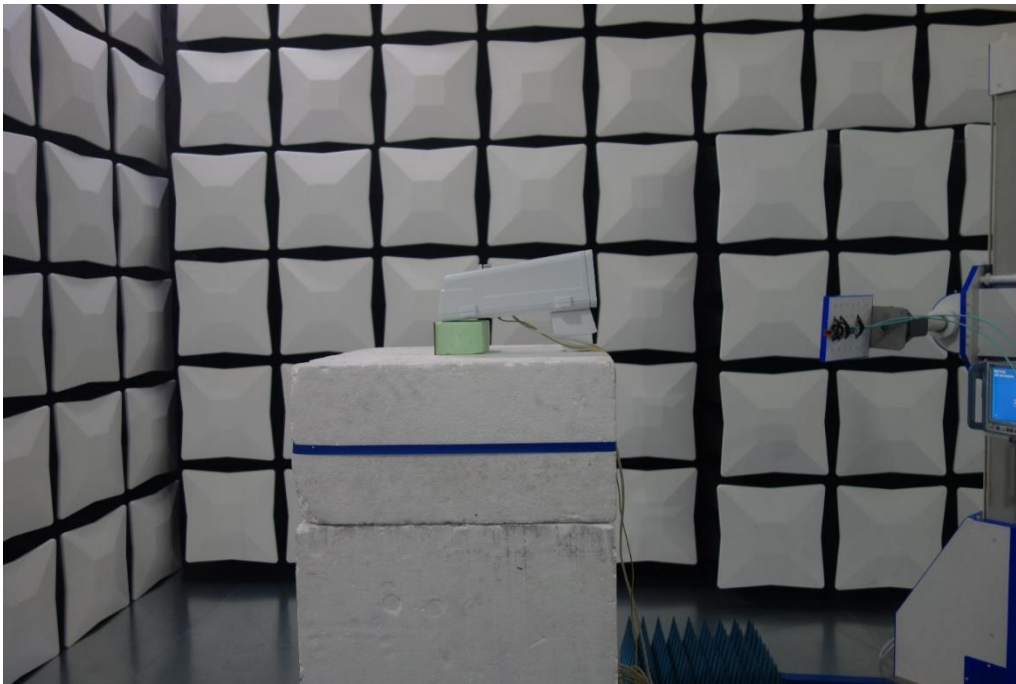
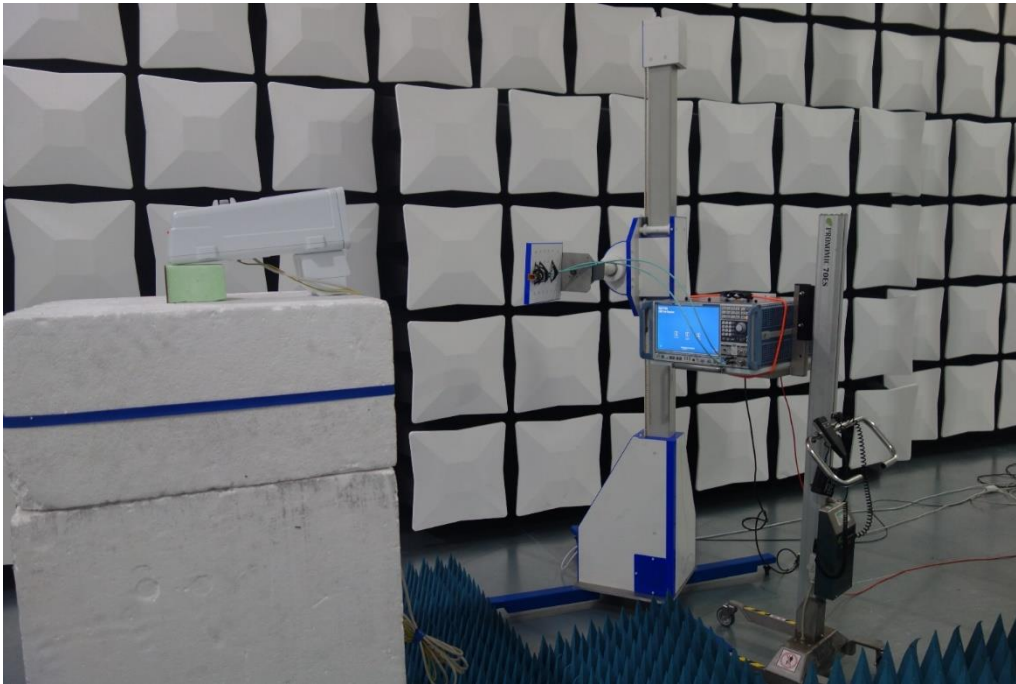


PoE-STP _ 18 GHz – 40 GHz

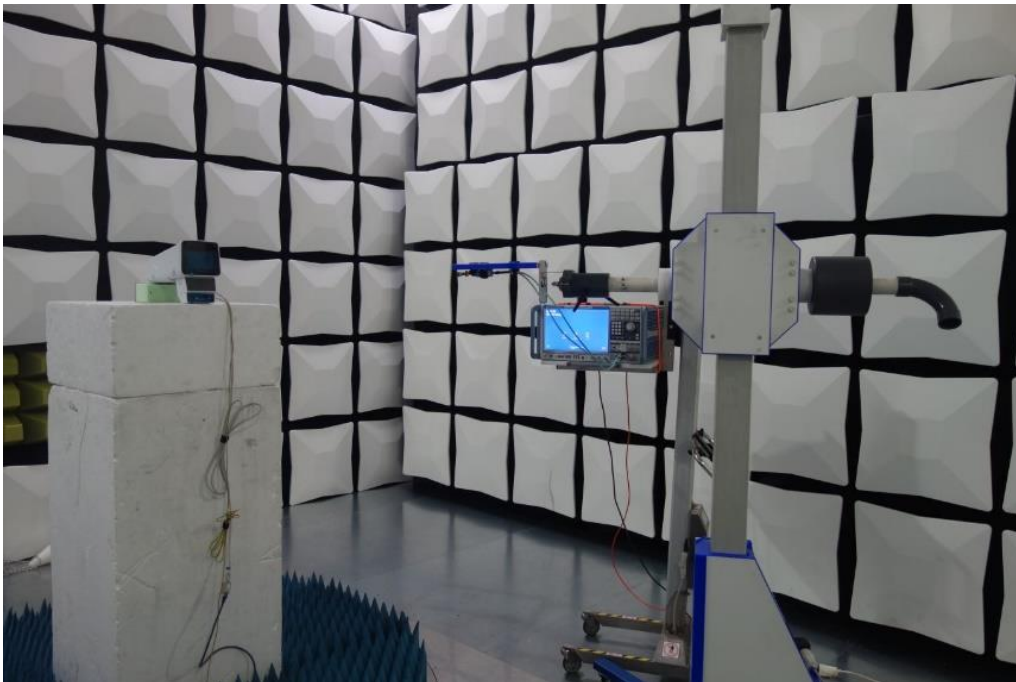
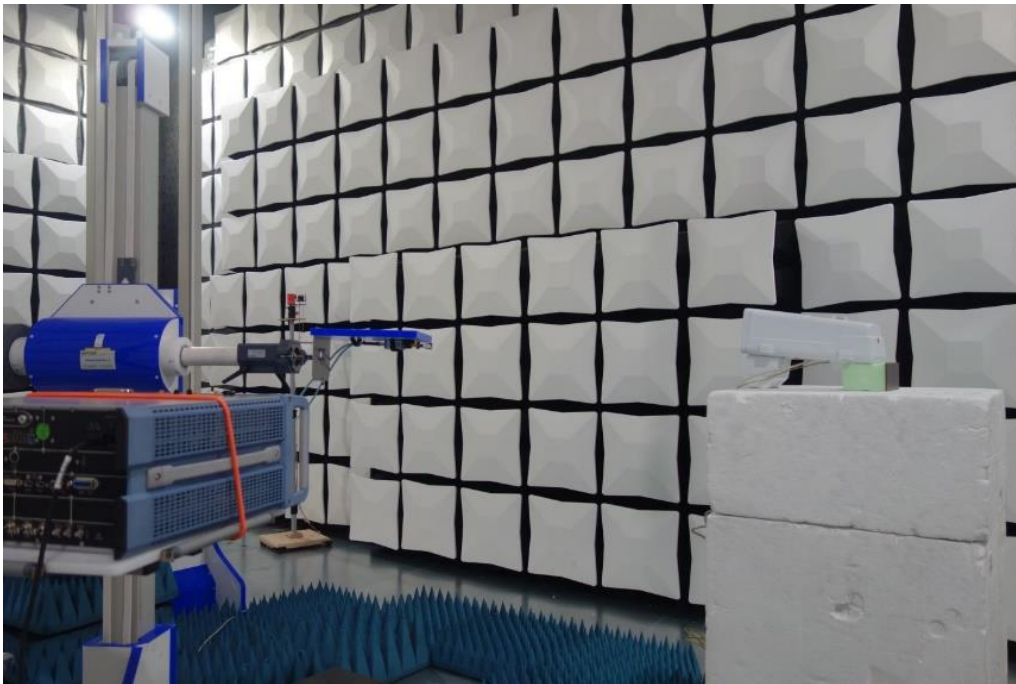




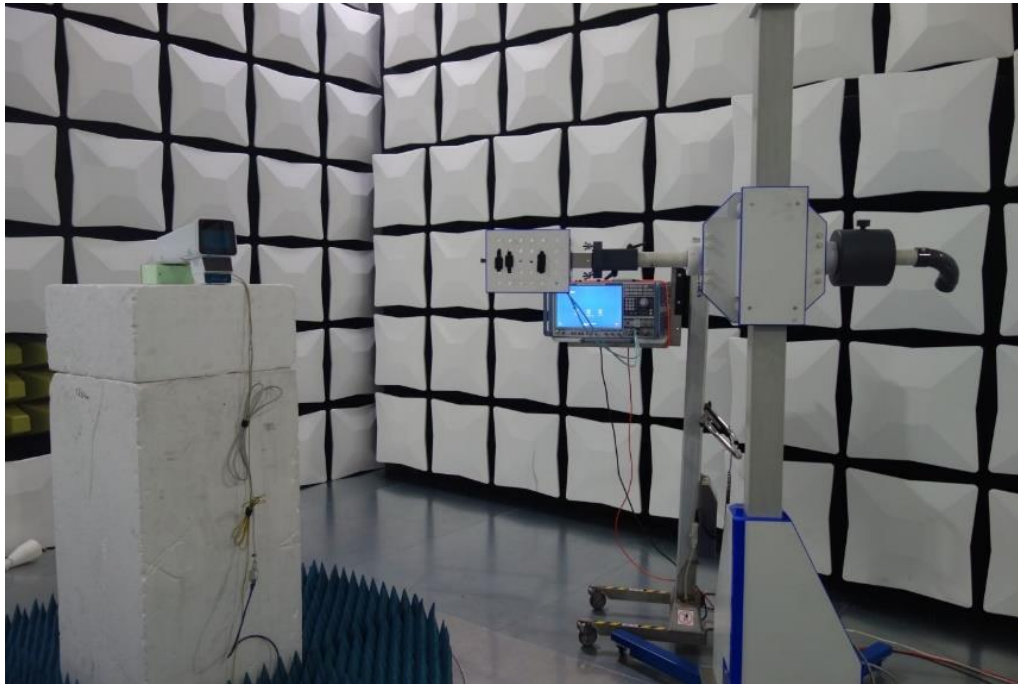
PoE-STP _ 40 GHz – 60 GHz



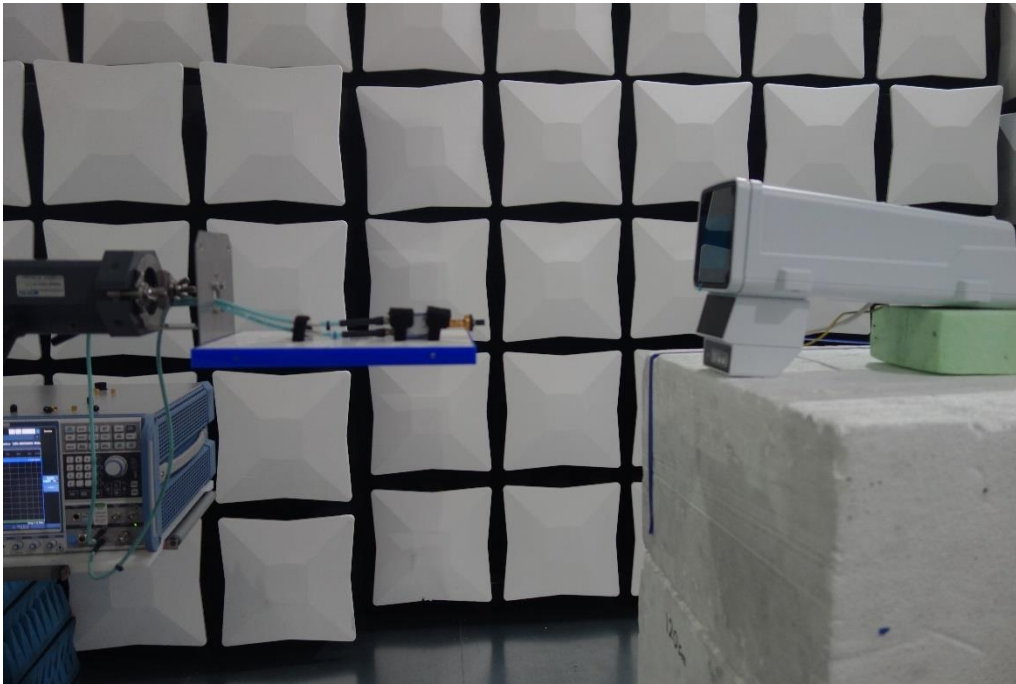
PoE-STP _ 60 GHz – 90 GHz_Horizontal antenna position



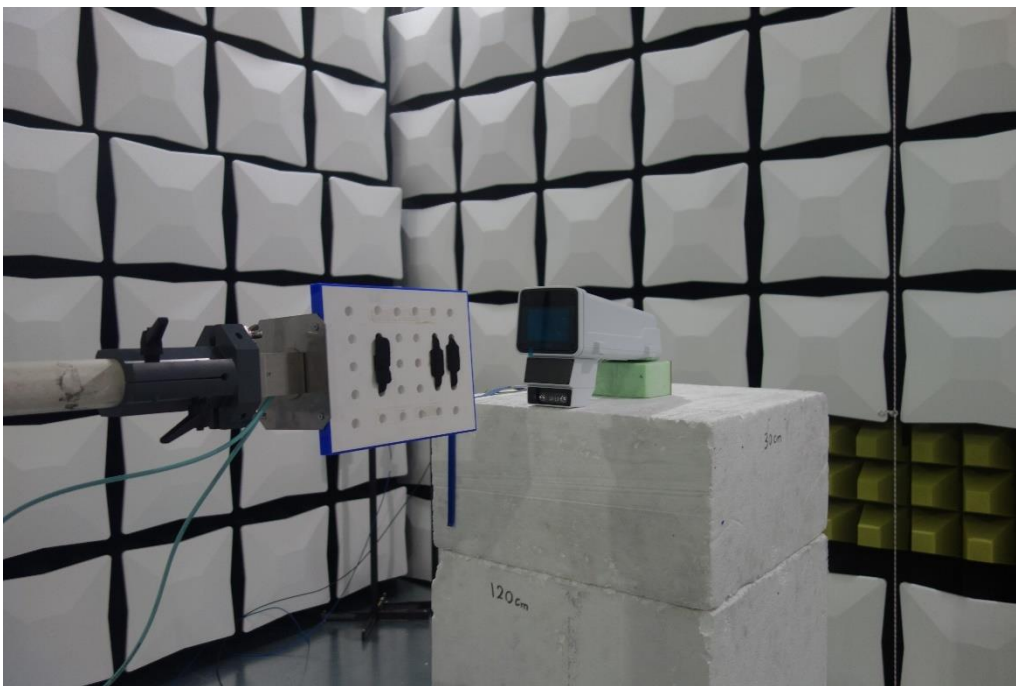
PoE-STP _ 60 GHz – 90 GHz_Vertical antenna position



90 GHz – 140 GHz



140 GHz – 220 GHz



2.3 Photographs of the Test Setup – Frequency Tolerance / Frequency Stability

