

FCC and ISED Test Report

Manufacturer: Verizon Connect
Vehicle Asset Tracker, Model: AT510



In accordance with FCC 47 CFR Part 15B and
ICES-003

Prepared for: Verizon Connect Fleet USA LLC
5055 North Point Parkway
Alpharetta, Georgia
USA
30022

FCC ID: ZOQAT510

IC: 9734A-AT510

COMMERCIAL-IN-CONFIDENCE

Document 75966423-01 Issue 02

SIGNATURE

NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Andrew Lawson	Chief Engineer, EMC	Authorised Signatory	11 August 2026

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD document control rules.

ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate limited compliance with FCC 47 CFR Part 15B and ICES-003. The sample tested was found to comply with the requirements defined in the applied rules.

RESPONSIBLE FOR	NAME	DATE	SIGNATURE
Testing	Sreemon Jayachandran Nair	11 August 2026	

FCC Accreditation

492497/UK2010 Octagon House, Fareham Test Laboratory

ISED Accreditation

12669A/UK0003 Octagon House, Fareham Test Laboratory

EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with FCC 47 CFR Part 15B and ICES-003: 2024 and Issue 7: 2020 for the tests detailed in section 1.3.



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1 Report Summary

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	First Issue	05-Aug-2026
2	Updated customer / applicant details	11-Aug-2026

Table 1

1.2 Introduction

Applicant	Verizon Connect
Manufacturer	Verizon Connect
Model Number(s)	AT510
Serial Number(s)	350000000000302
Hardware Version(s)	AT510: PVT-0101-V01-R02
Software Version(s)	V2.0.82
Number of Samples Tested	1
Test Specification/Issue/Date	FCC 47 CFR Part 15B: 2024 ICES-003and Issue 7: 2020
Order Number	8000000041
Date	28-November-2025
Date of Receipt of EUT	05-June-2026
Start of Test	09-June-2026
Finish of Test	10-June-2026
Name of Engineer(s)	Sreemon Jayachandran Nair
Related Document(s)	ANSI C63.4: 2014



1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 15B, and ICES-003 is shown below.

Section	Specification Clause	Test Description	Result	Comments/Base Standard
Configuration and Mode: DC Powered - Idle				
2.1	15.109 and 3.2.2	Radiated Emissions	Pass	ANSI C63.4: 2014

Table 2



1.4 Declaration of Build Status

MAIN EUT	
MANUFACTURING DESCRIPTION	The asset tracker is for use on vehicles, shipping containers, heavy machinery with wide global distribution. The device provides real time location and vehicle status updates for customer assets. Device Features: GPS Location, Motion detection, Low power, Cellular Cat 1 Bis connectivity, status LEDS, External power cable, Internal battery
MANUFACTURER	Product owner: Verizon Connect
MODEL	AT510; AT510-B
MANUFACTURER DECLARED VARIANTS (IF APPLICABLE)	AT510 and AT510-B are hardware variants as identified by the model's name and part number; differences per applicable ADD/ADDB build specification.
PART NUMBER	AT510: VZC-ADD-001-US AT510-B: VZC-ADDB-001-US
SERIAL NUMBER (S/N)	350000000000301 350000000000302 360000000000301 360000000000302
HARDWARE VERSION	P3.1
SOFTWARE VERSION	V2.0.082
PSU VOLTAGE/FREQUENCY/CURRENT	DC supply: nominal 24 Vdc; extreme upper 48 Vdc; extreme lower 18 Vdc; max current 0.6 A. Frequency: N/A (DC). Internal battery: 3.7 Vdc (endpoint 3.0 Vdc).
Intended Operating Environment	Industrial
Dimensions/Weight	
Typical Installation	Vehicle / asset installation (aftermarket): mounted on vehicles, shipping containers, or heavy machinery; powered from external DC supply (nominal 24 Vdc) via external power cable and/or internal battery.
HIGHEST INTERNALLY GENERATED FREQUENCY	160 MHz
FCC ID (if applicable)	ZOQAT510
INDUSTRY CANADA ID (if applicable)	9734A-AT510
COUNTRY OF ORIGIN	
RF CHARACTERISTICS (if applicable)	
TRANSMITTER FREQUENCY OPERATING RANGE (MHz)	Cellular (LTE): 746–2200 MHz (bands as declared: B2, B4, B5, B13, B66). BLE: 2400–2483.5 MHz. Wi-Fi: 2401–2495 MHz; 5170–5330 MHz; 5490–5730 MHz; 5735–5895 MHz.
RECEIVER FREQUENCY OPERATING RANGE (MHz)	Cellular (LTE) Rx: 746–2200 MHz (as applicable to declared bands). BLE Rx: 2400–2483.5 MHz. Wi-Fi Rx: 2401–2495 MHz; 5170–5330 MHz; 5490–5730 MHz; 5735–5895 MHz. GNSS Rx: 1559–1610 MHz (L1).
INTERMEDIATE FREQUENCIES	Not specified (module internal IF details not provided).
EMISSION DESIGNATOR(S): https://fccid.io/Emissions-Designator/	
MODULATION TYPES: (i.e. GMSK, QPSK)	Cellular (LTE): QPSK, 16-QAM, 64-QAM. BLE: GFSK. Wi-Fi: DBPSK, DQPSK, CCK, BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM. GNSS: BPSK, CBOC, QPSK.
OUTPUT POWER (W or dBm)	Cellular (LTE): +25 dBm (conducted, declared). BLE: +8 dBm (conducted, declared). Wi-Fi: +21 dBm (conducted, declared). GNSS: N/A (receiver only).



MODULES (if applicable)			
MANUFACTURING DESCRIPTION	LTE Cat 1 bis cellular modem module used to provide wide-area cellular connectivity for telemetry/location reporting.	GNSS receiver module used to provide satellite positioning (GPS/Galileo/GLONASS/BeiDou as supported) for location determination.	
MANUFACTURER	Sequans Communications	u-blox	
TYPE	Cellular modem module (LTE Cat 1 bis)	GNSS receiver module	
POWER	Powered from host PCB supply 4.1V DC	Powered from host PCB supply	
FCC ID	2AAGMGC02SA	N/A (receiver)	
INDUSTRY CANADA ID	12732A-GC02SA	N/A (receiver)	
EMISSION DESIGNATOR	As per FCC ID 2AAGMGC02SA	N/A (receiver)	
DHSS/FHSS/COMBINED OR OTHER		N/A (receiver)	
COUNTRY OF ORIGIN	Vietnam	Austria	

Table 3

I hereby declare that the information supplied is correct and complete.

Name: Stephen O'Hara
Position held: Validation Manager
Date 30/07/2026

Note: No responsibility will be accepted by TÜV SÜD as to the accuracy of the information declared on this Build State Declaration by the manufacturer.

1.5 Product Information

1.5.1 Technical Description

The Equipment under test (EUT) was a Verizon Connect Vehicle Asset Tracker, Model: AT510

The primary function of the EUT is as an Asset Tracker used on vehicles.

Additionally, the EUT has functionality to the device provide real time location and vehicles status updates for customer assets.



Figure 1 (EUT) - Top View



Figure 2 (EUT) - Bottom View



Figure 3 (EUT) - Side View



1.5.2 EUT Port/Cable Identification

Port	Max Cable Length specified	Usage	Type	Screened
Power + COMs Port	3 m	DC Power and Comms	Custom, 14 Cores	Yes

Table 4

1.5.3 Test Configuration

Configuration	Description
DC Powered	The EUT was powered from a 24V DC supply and from its internal 3.7 V battery. The EUT had no other connections made.

Table 5

1.5.4 Modes of Operation

Configuration	Description
Idle	The EUT was powered and operating with transmitters disabled.

Table 6

1.6 Deviations from the Standard

No deviations from the applicable test standard were made during testing.

1.7 EUT Modification Record

The table below details modifications made to the EUT during the test programme.

The modifications incorporated during each test are recorded on the appropriate test pages.

Modification State	Description of Modification still fitted to EUT	Modification Fitted By	Date Modification Fitted
Model: AT510, Serial Number: 350000000000302			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 7



1.8 Test Location

TÜV SÜD conducted the following tests at our Octagon House Test Laboratory.

Test Name	Name of Engineer(s)	Accreditation
Configuration and Mode: DC Powered - Idle		
Radiated Emissions	Sreemon Jayachandran Nair	UKAS

Table 8

Office Address:

TÜV SÜD
Octagon House
Concorde Way
Fareham
Hampshire
PO15 5RL
United Kingdom



2 Test Details

2.1 Radiated Emissions

2.1.1 Specification Reference

FCC 47 CFR Part 15B and ICES-003, Clause 15.109 and 3.2.2

2.1.2 Equipment Under Test and Modification State

AT510, S/N: 350000000000302 - Modification State 0

2.1.3 Date of Test

09-June-2026 to 10-June-2026

2.1.4 Test Method

The EUT was set up in a semi-anechoic chamber in the centre of a remotely controlled turntable and placed on a non-conductive table 0.8 m above a reference ground plane.

A Peak detector pre-scan of the EUT emissions profile was measured across the appropriate frequency range while varying the antenna-to-EUT azimuth and polarisation. Measurements were made using a 3 m distance between the declared antenna measurement point and the EUT.

Where all pre-scan peak emissions measured were greater than 20 dB below the test limit, no final measurements were made in accordance with ANSI C63.4.

Where any pre-scan peak emissions were within 20 dB of the test limit, the six highest pre-scan peak emissions seen across the frequency range were maximised by adjusting antenna height, polarisation and angle and then measured for at least 15 seconds using a Peak, Quasi-Peak or CISPR Average detector as appropriate to the test limit being measured against.

2.1.5 Example Calculation

Below 1 GHz:

$$\begin{aligned}\text{Quasi-Peak level (dB}\mu\text{V/m)} &= \text{Receiver level (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} \\ \text{Margin (dB)} &= \text{Quasi-Peak level (dB}\mu\text{V/m)} - \text{Limit (dB}\mu\text{V/m)}\end{aligned}$$

Above 1 GHz:

$$\begin{aligned}\text{CISPR Average level (dB}\mu\text{V/m)} &= \text{Receiver level (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} \\ \text{Margin (dB)} &= \text{CISPR Average level (dB}\mu\text{V/m)} - \text{Limit (dB}\mu\text{V/m)}\end{aligned}$$

$$\begin{aligned}\text{Peak level (dB}\mu\text{V/m)} &= \text{Receiver level (dB}\mu\text{V)} + \text{Correction Factor (dB/m)} \\ \text{Margin (dB)} &= \text{Peak level (dB}\mu\text{V/m)} - \text{Limit (dB}\mu\text{V/m)}\end{aligned}$$

2.1.6 Example Test Setup Diagram

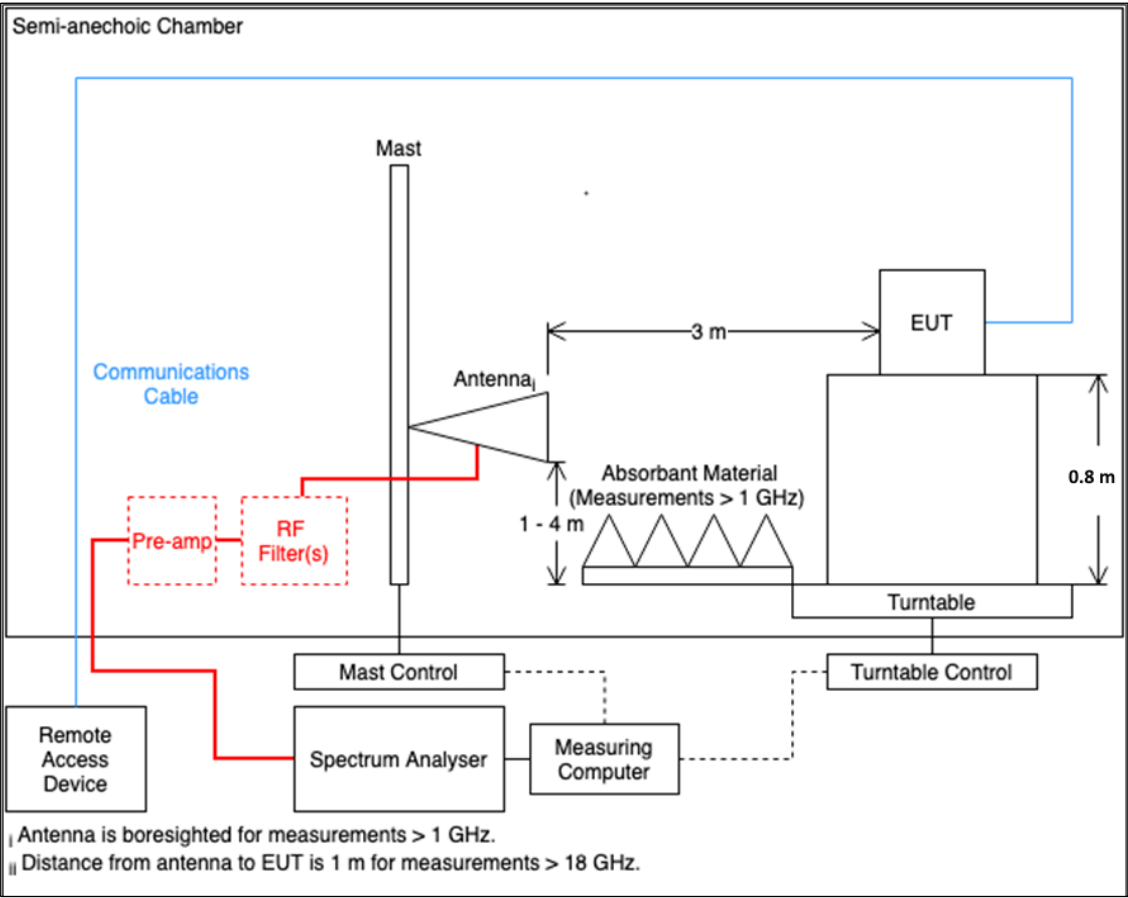


Figure 4 - Radiated Emissions Example Test Setup

2.1.7 Environmental Conditions

Ambient Temperature 19.8 °C
Relative Humidity 51.7 %
Atmospheric Pressure 1015.0 mbar

2.1.8 Specification Limits

Required Specification Limits, Field Strength - Class A Test Limit at a 10 m Measurement Distance		
Frequency Range (MHz)	Test Limit (µV/m)	Test Limit (dBµV/m)
30 to 88	90	39.1
88 to 216	150	43.5
216 to 960	210	46.4
Above 960	300	49.5

Supplementary information:
Note 1. A Quasi-Peak detector is to be used for measurements below 1 GHz.
Note 2. A CISPR Average detector is to be used for measurements above 1 GHz.
Note 3. The Peak test limit above 1 GHz is 20 dB higher than the CISPR Average test limit.

Table 9

2.1.9 Test Results

Results for Configuration and Mode: DC Powered - Idle.

This test was performed to the requirements of the Class A limits.

Performance assessment of the EUT made during this test: Pass.

Detailed results are shown below.

Highest frequency generated or used within the EUT: 3.6 GHz
Which necessitates an upper frequency test limit of: 18 GHz

Applied Supply Voltage: 24 V DC

The EUT is handheld, body worn or similar equipment and has therefore been tested in three different orientations in accordance with ANSI C63.4 requirements.

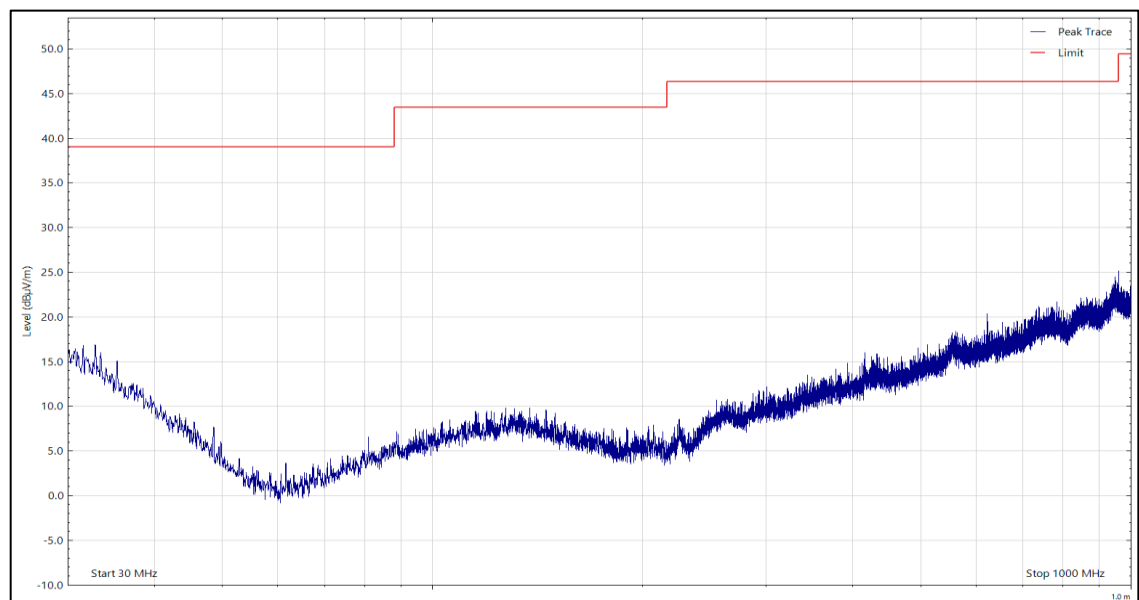


Figure 5 - 30 MHz to 1 GHz, Quasi-Peak, Horizontal - X Orientation

No final measurements were made as all peak emissions seen during the pre-scan were greater than 20 dB below the test limit.

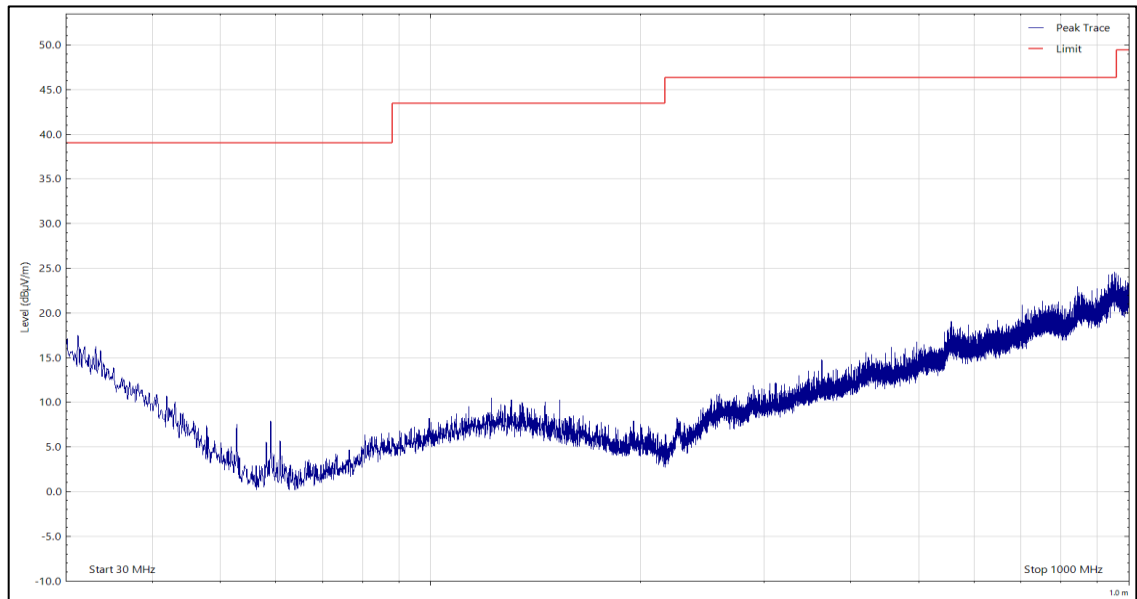


Figure 6 - 30 MHz to 1 GHz, Quasi-Peak, Vertical - X Orientation

No final measurements were made as all peak emissions seen during the pre-scan were greater than 20 dB below the test limit.

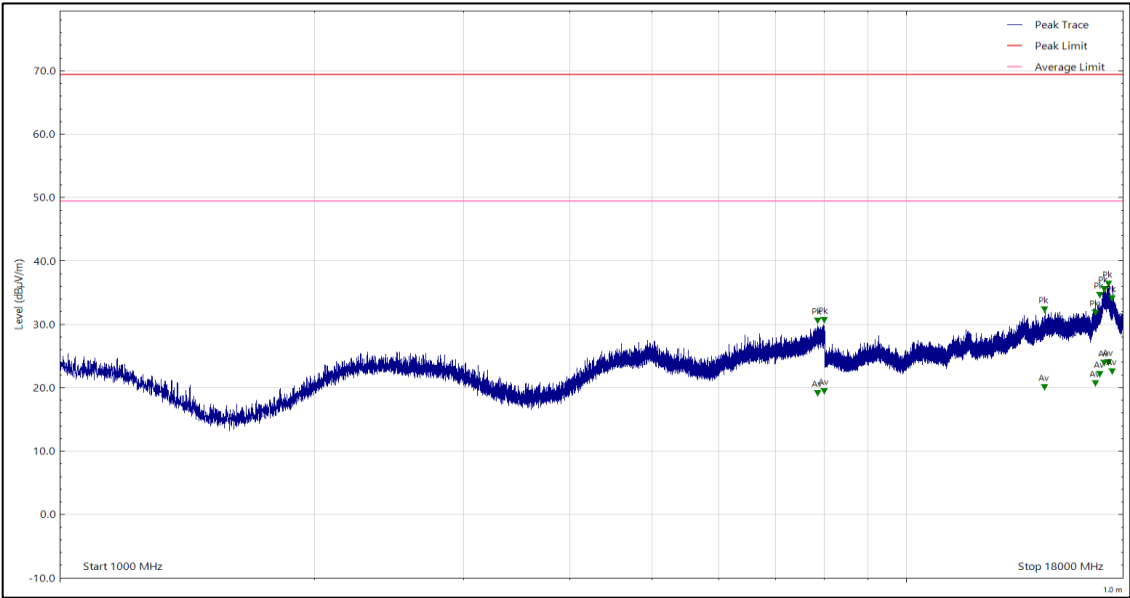


Figure 7 - 1 GHz to 18 GHz, Peak & CISPR Average, Horizontal - X Orientation

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
7858.521	29.90	69.50	-39.60	Peak	164	365	Horizontal
7858.521	18.43	49.50	-31.07	CISPR Avg	164	365	Horizontal
7989.055	30.02	69.50	-39.48	Peak	89	253	Horizontal
7989.055	18.78	49.50	-30.72	CISPR Avg	89	253	Horizontal
14566.627	31.61	69.50	-37.89	Peak	117	188	Horizontal
14566.627	19.36	49.50	-30.14	CISPR Avg	117	188	Horizontal
16707.833	31.08	69.50	-38.42	Peak	343	312	Horizontal
16707.833	20.01	49.50	-29.49	CISPR Avg	343	312	Horizontal
16902.463	33.91	69.50	-35.59	Peak	168	323	Horizontal
16902.463	21.42	49.50	-28.08	CISPR Avg	168	323	Horizontal
17112.231	34.87	69.50	-34.63	Peak	123	371	Horizontal
17112.231	23.18	49.50	-26.32	CISPR Avg	123	371	Horizontal
17315.188	35.66	69.50	-33.84	Peak	234	112	Horizontal
17315.188	23.29	49.50	-26.21	CISPR Avg	234	112	Horizontal
17502.020	33.36	69.50	-36.14	Peak	188	219	Horizontal
17502.020	21.89	49.50	-27.61	CISPR Avg	188	219	Horizontal

Table 10

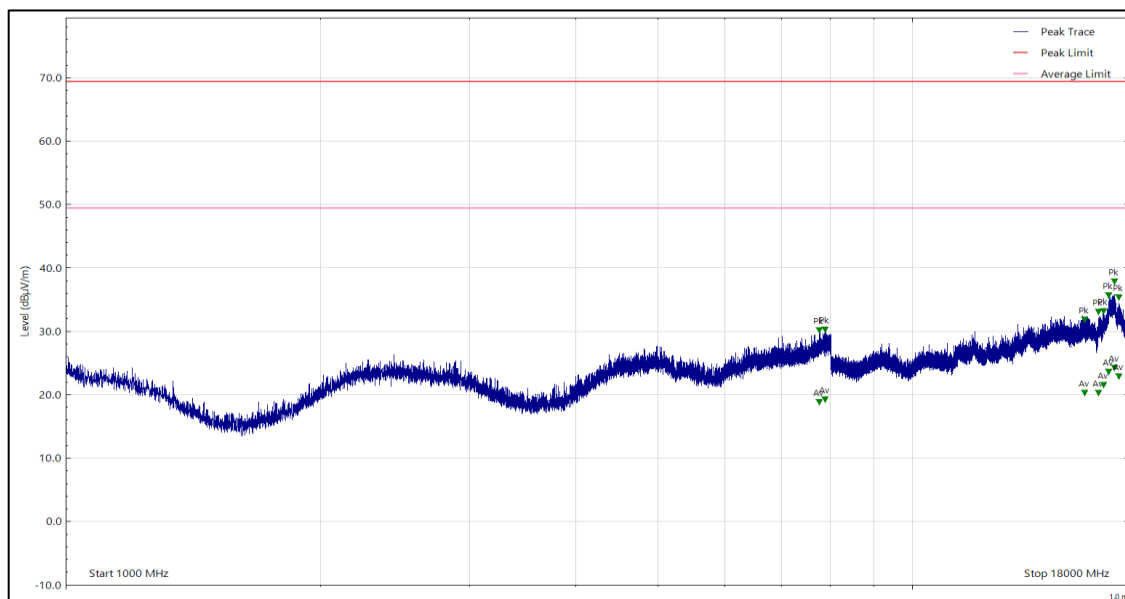


Figure 8 - 1 GHz to 18 GHz, Peak & CISPR Average, Vertical - X Orientation

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
7761.870	29.42	69.50	-40.08	Peak	152	344	Vertical
7761.870	18.10	49.50	-31.40	CISPR Avg	152	344	Vertical
7885.325	29.53	69.50	-39.97	Peak	319	385	Vertical
7885.325	18.58	49.50	-30.92	CISPR Avg	319	385	Vertical
15972.318	31.10	69.50	-38.40	Peak	223	154	Vertical
15972.318	19.58	49.50	-29.92	CISPR Avg	223	154	Vertical
16588.061	32.37	69.50	-37.13	Peak	294	242	Vertical
16588.061	19.62	49.50	-29.88	CISPR Avg	294	242	Vertical
16804.470	32.50	69.50	-37.00	Peak	360	173	Vertical
16804.470	20.84	49.50	-28.66	CISPR Avg	360	173	Vertical
17058.459	35.00	69.50	-34.50	Peak	354	143	Vertical
17058.459	22.92	49.50	-26.58	CISPR Avg	354	143	Vertical
17309.615	37.13	69.50	-32.37	Peak	334	398	Vertical
17309.615	23.48	49.50	-26.02	CISPR Avg	334	398	Vertical
17535.632	34.63	69.50	-34.87	Peak	123	292	Vertical
17535.632	22.20	49.50	-27.30	CISPR Avg	123	292	Vertical

Table 11

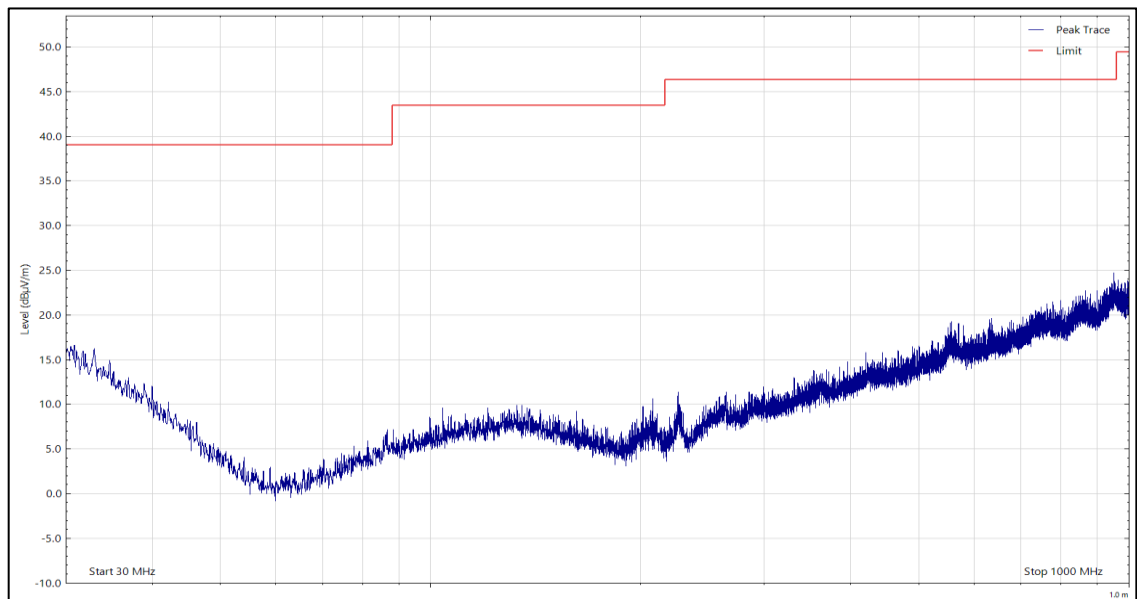


Figure 9 - 30 MHz to 1 GHz, Quasi-Peak, Horizontal - Y Orientation

No final measurements were made as all peak emissions seen during the pre-scan were greater than 20 dB below the test limit.

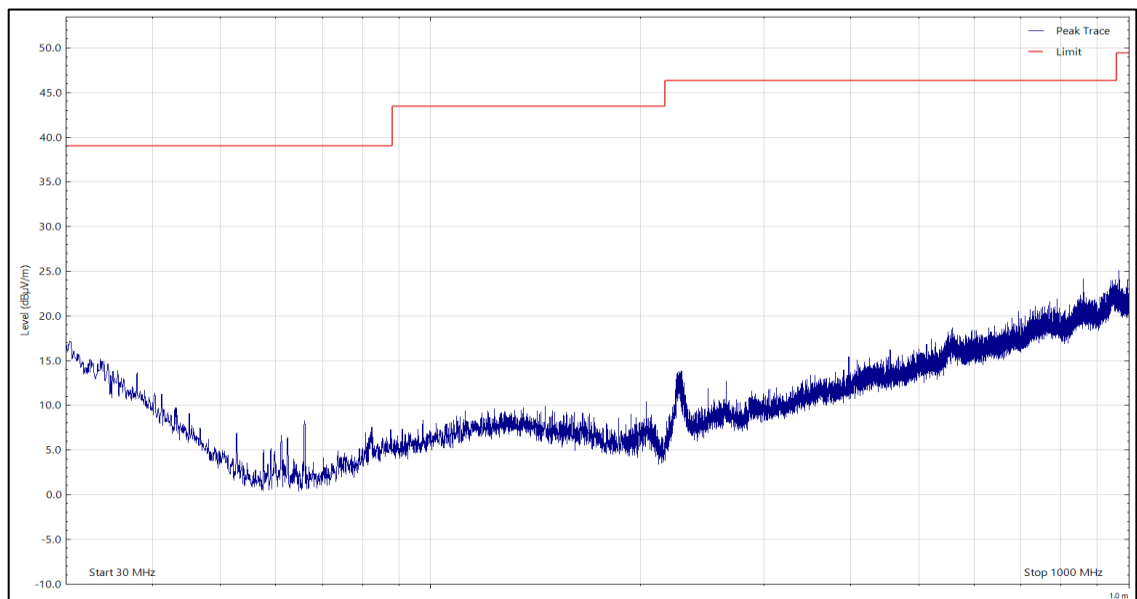


Figure 10 - 30 MHz to 1 GHz, Quasi-Peak, Vertical - Y Orientation

No final measurements were made as all peak emissions seen during the pre-scan were greater than 20 dB below the test limit.

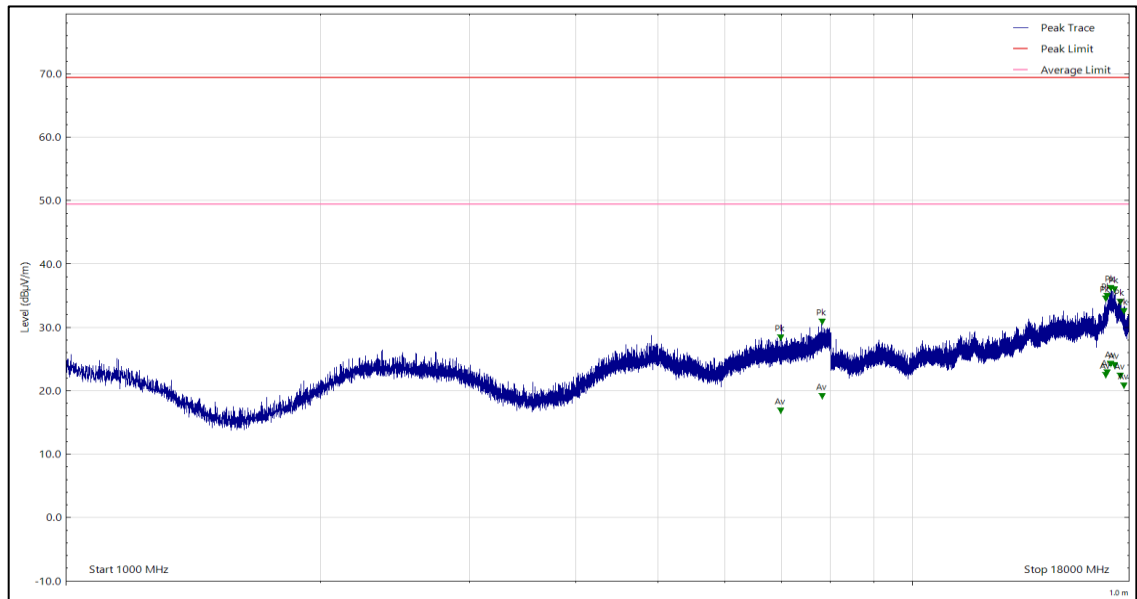


Figure 11 - 1 GHz to 18 GHz, Peak & CISPR Average, Horizontal - Y Orientation

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
6987.257	27.69	69.50	-41.81	Peak	306	210	Horizontal
6987.257	16.10	49.50	-33.40	CISPR Avg	306	210	Horizontal
7827.783	30.13	69.50	-39.37	Peak	112	385	Horizontal
7827.783	18.47	49.50	-31.03	CISPR Avg	112	385	Horizontal
16907.658	33.81	69.50	-35.69	Peak	5	149	Horizontal
16907.658	21.73	49.50	-27.77	CISPR Avg	5	149	Horizontal
16996.385	34.22	69.50	-35.28	Peak	161	176	Horizontal
16996.385	22.15	49.50	-27.35	CISPR Avg	161	176	Horizontal
17146.786	35.44	69.50	-34.06	Peak	49	160	Horizontal
17146.786	23.55	49.50	-25.95	CISPR Avg	49	160	Horizontal
17315.650	35.27	69.50	-34.23	Peak	10	270	Horizontal
17315.650	23.30	49.50	-26.20	CISPR Avg	10	270	Horizontal
17583.312	33.33	69.50	-36.17	Peak	53	299	Horizontal
17583.312	21.62	49.50	-27.88	CISPR Avg	53	299	Horizontal
17786.149	31.89	69.50	-37.61	Peak	137	330	Horizontal
17786.149	20.11	49.50	-29.39	CISPR Avg	137	330	Horizontal

Table 12

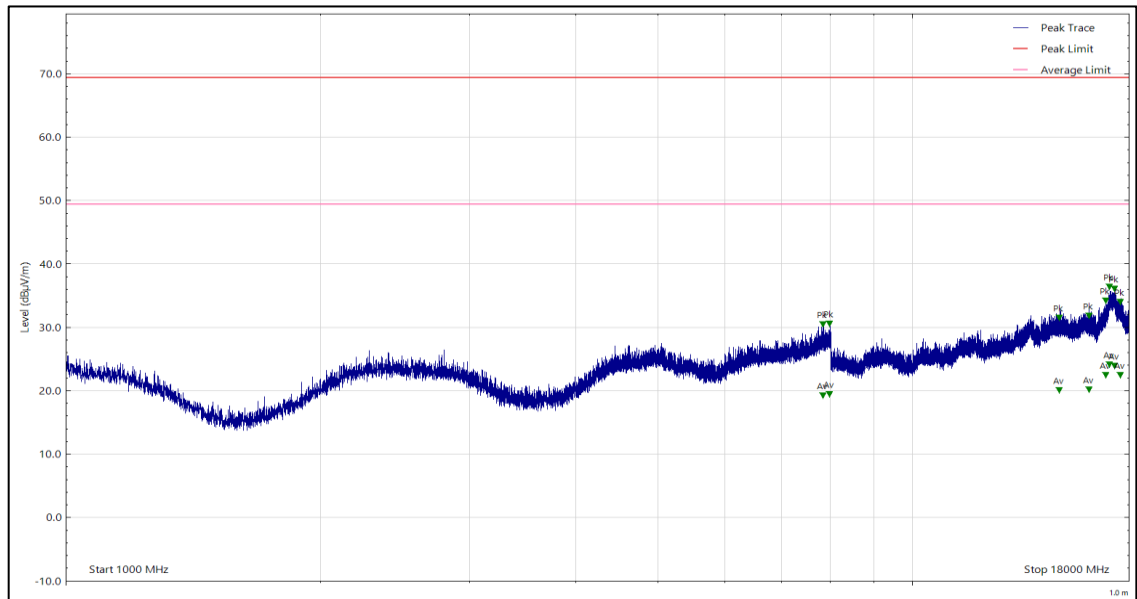


Figure 12 - 1 GHz to 18 GHz, Peak & CISPR Average, Vertical - Y Orientation

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
7839.515	29.79	69.50	-39.71	Peak	240	322	Vertical
7839.515	18.56	49.50	-30.94	CISPR Avg	240	322	Vertical
7974.650	29.86	69.50	-39.64	Peak	331	182	Vertical
7974.650	18.69	49.50	-30.81	CISPR Avg	331	182	Vertical
14909.940	30.80	69.50	-38.70	Peak	174	332	Vertical
14909.940	19.33	49.50	-30.17	CISPR Avg	174	332	Vertical
16149.973	31.12	69.50	-38.38	Peak	170	115	Vertical
16149.973	19.52	49.50	-29.98	CISPR Avg	170	115	Vertical
16909.963	33.53	69.50	-35.97	Peak	316	285	Vertical
16909.963	21.76	49.50	-27.74	CISPR Avg	316	285	Vertical
17082.270	35.73	69.50	-33.77	Peak	96	368	Vertical
17082.270	23.39	49.50	-26.11	CISPR Avg	96	368	Vertical
17325.948	35.37	69.50	-34.13	Peak	84	163	Vertical
17325.948	23.25	49.50	-26.25	CISPR Avg	84	163	Vertical
17597.704	33.30	69.50	-36.20	Peak	349	146	Vertical
17597.704	21.77	49.50	-27.73	CISPR Avg	349	146	Vertical

Table 13

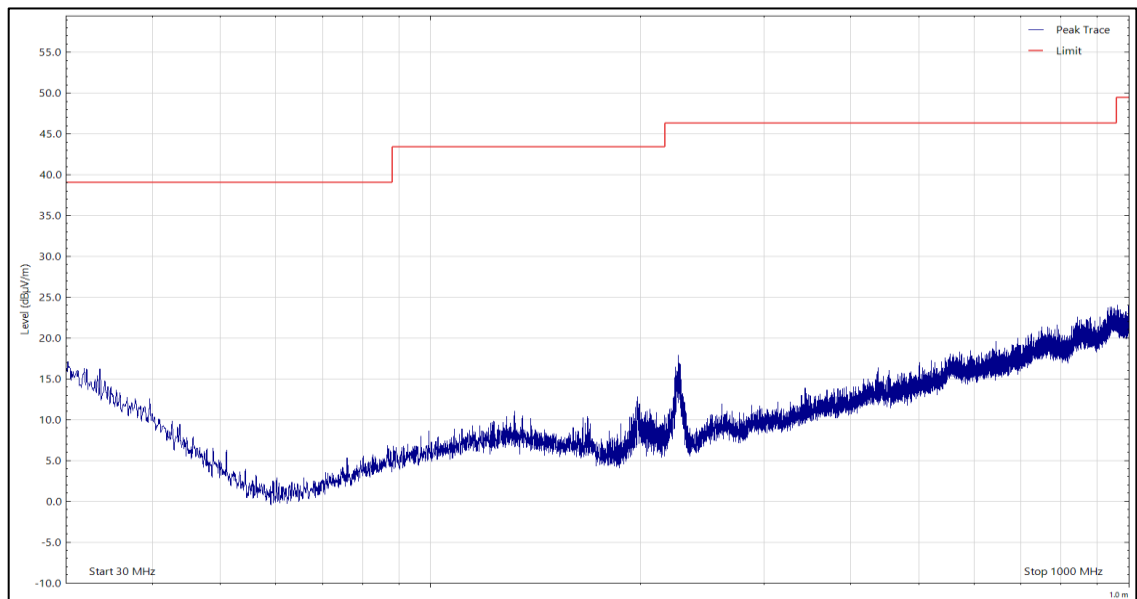


Figure 13 - 30 MHz to 1 GHz, Quasi-Peak, Horizontal - Z Orientation

No final measurements were made as all peak emissions seen during the pre-scan were greater than 20 dB below the test limit.

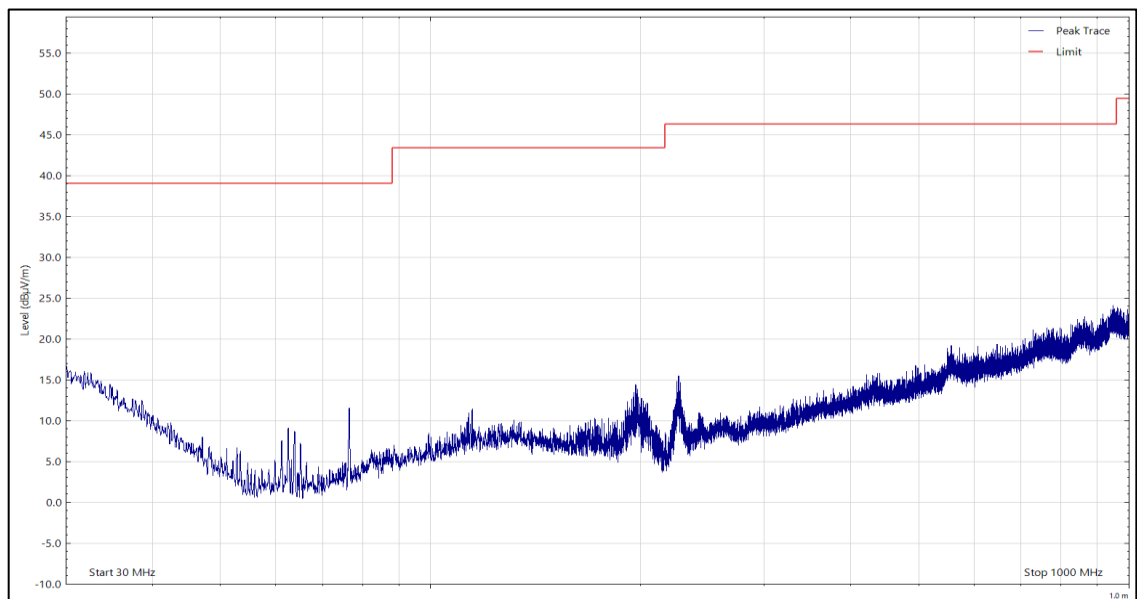


Figure 14 - 30 MHz to 1 GHz, Quasi-Peak, Vertical - Z Orientation

No final measurements were made as all peak emissions seen during the pre-scan were greater than 20 dB below the test limit.

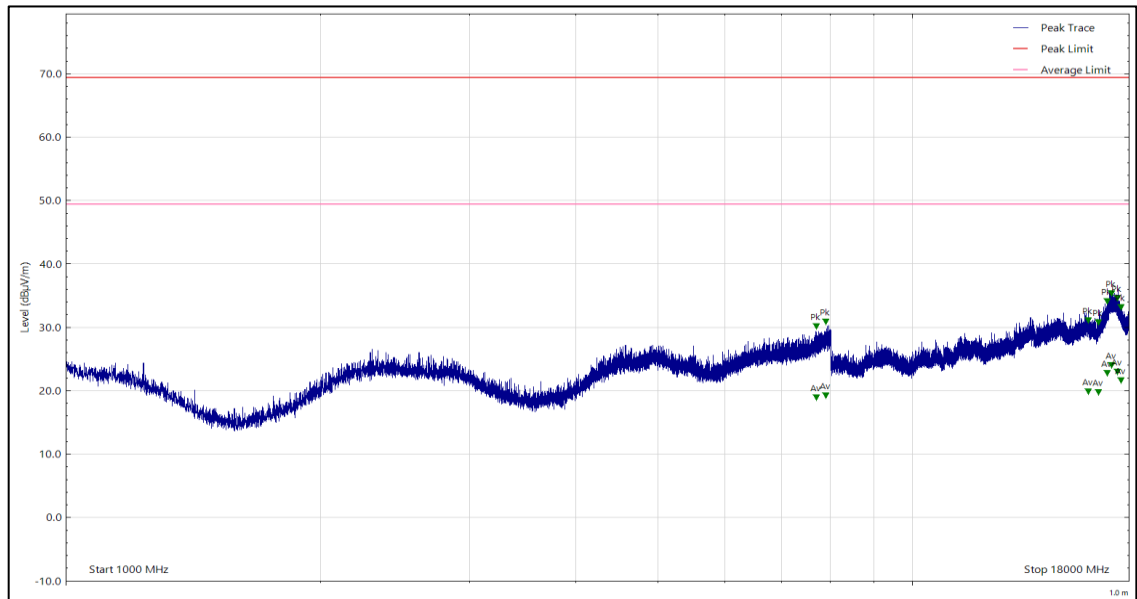


Figure 15 - 1 GHz to 18 GHz, Peak & CISPR Average, Horizontal - Z Orientation

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
7695.849	29.50	69.50	-40.00	Peak	2	187	Horizontal
7695.849	18.18	49.50	-31.32	CISPR Avg	2	187	Horizontal
7904.992	30.18	69.50	-39.32	Peak	77	357	Horizontal
7904.992	18.53	49.50	-30.97	CISPR Avg	77	357	Horizontal
16118.743	30.41	69.50	-39.09	Peak	177	336	Horizontal
16118.743	19.12	49.50	-30.38	CISPR Avg	177	336	Horizontal
16593.995	30.09	69.50	-39.41	Peak	25	203	Horizontal
16593.995	19.04	49.50	-30.46	CISPR Avg	25	203	Horizontal
16968.361	33.38	69.50	-36.12	Peak	0	257	Horizontal
16968.361	22.05	49.50	-27.45	CISPR Avg	0	257	Horizontal
17176.915	34.64	69.50	-34.86	Peak	235	158	Horizontal
17176.915	23.30	49.50	-26.20	CISPR Avg	235	158	Horizontal
17466.180	33.97	69.50	-35.53	Peak	67	187	Horizontal
17466.180	22.27	49.50	-27.23	CISPR Avg	67	187	Horizontal
17639.735	32.42	69.50	-37.08	Peak	354	175	Horizontal
17639.735	20.90	49.50	-28.60	CISPR Avg	354	175	Horizontal

Table 14

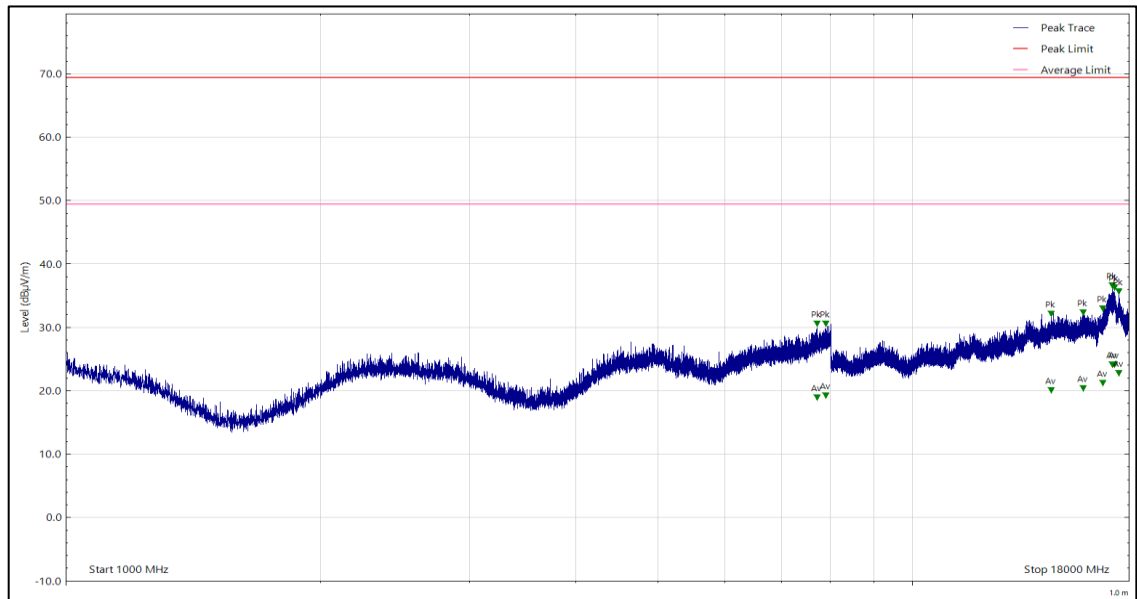


Figure 16 - 1 GHz to 18 GHz, Peak & CISPR Average, Vertical - Z Orientation

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
7711.148	29.83	69.50	-39.67	Peak	157	337	Vertical
7711.148	18.27	49.50	-31.23	CISPR Avg	157	337	Vertical
7895.519	29.86	69.50	-39.64	Peak	54	204	Vertical
7895.519	18.56	49.50	-30.94	CISPR Avg	54	204	Vertical
14578.746	31.38	69.50	-38.12	Peak	349	212	Vertical
14578.746	19.36	49.50	-30.14	CISPR Avg	349	212	Vertical
15896.700	31.62	69.50	-37.88	Peak	351	149	Vertical
15896.700	19.65	49.50	-29.85	CISPR Avg	351	149	Vertical
16785.813	32.29	69.50	-37.21	Peak	10	362	Vertical
16785.813	20.50	49.50	-29.00	CISPR Avg	10	362	Vertical
17207.261	35.86	69.50	-33.64	Peak	118	242	Vertical
17207.261	23.37	49.50	-26.13	CISPR Avg	118	242	Vertical
17309.490	35.59	69.50	-33.91	Peak	292	303	Vertical
17309.490	23.42	49.50	-26.08	CISPR Avg	292	303	Vertical
17516.865	34.94	69.50	-34.56	Peak	293	334	Vertical
17516.865	22.05	49.50	-27.45	CISPR Avg	293	334	Vertical

Table 15

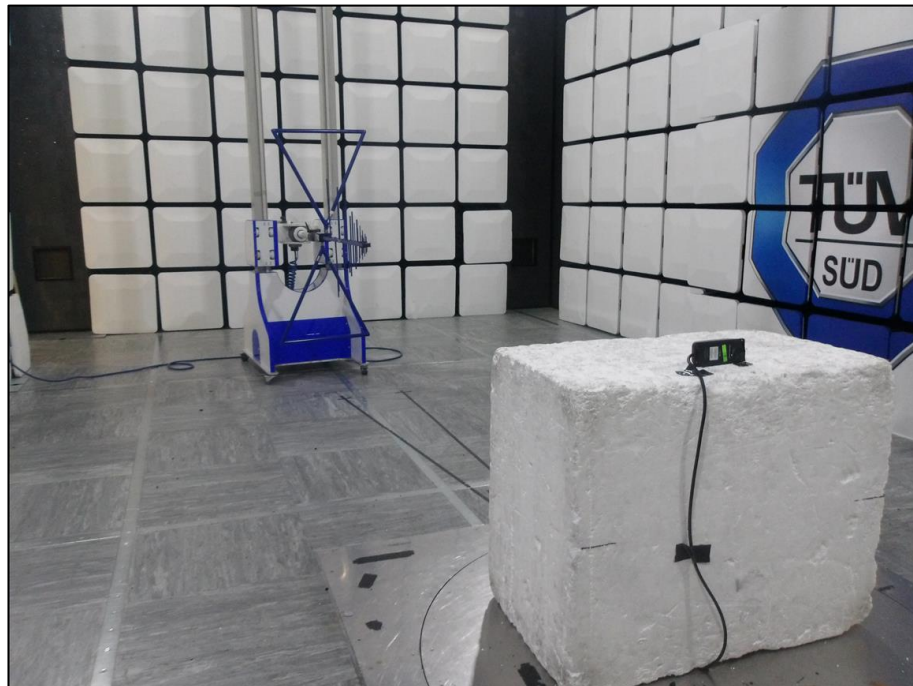


Figure 17 - Test Setup - 30 MHz to 1 GHz

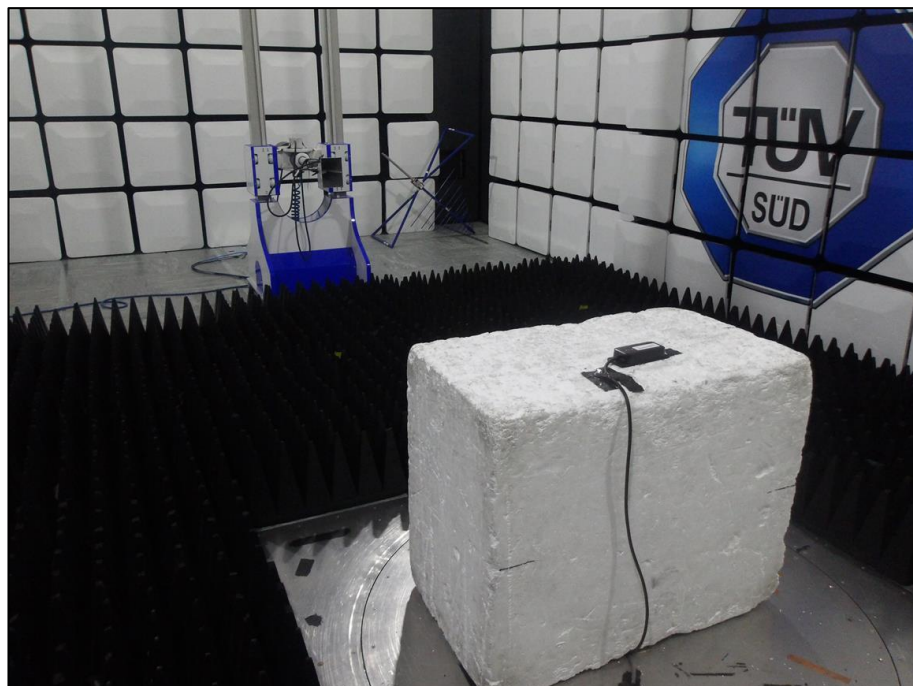


Figure 18 - Test Setup - 1 GHz to 8 GHz

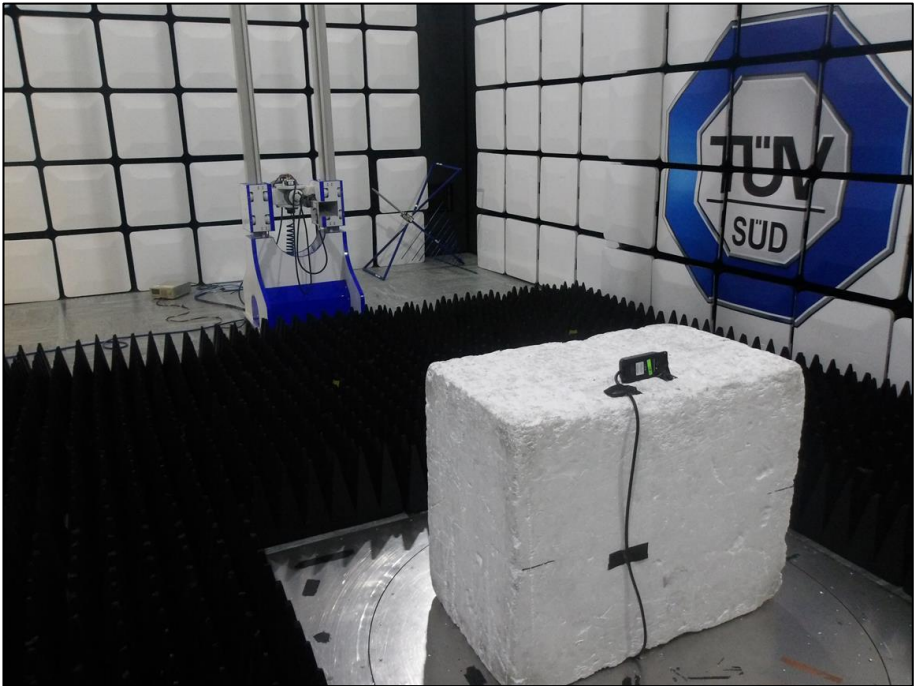


Figure 19 - Test Setup - 8 GHz to 18 GHz



2.1.10 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 12.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
3m Semi-Anechoic Chamber	MVG	EMC Chamber 12	5621	36	07-Aug-2026
Emissions Software	TUV SUD	EmX V3.6.1	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5802	12	05-Nov-2026
Turntable & Mast Controller	Maturo Gmbh	NCD/498/2799.01	5612	-	TU
Tilt Antenna Mast	Maturo Gmbh	TAM 4.0-P	5613	-	TU
Cable (SMA to SMA 3m)	Junkosha	MWX221-03000AMSAMS/A	6022	12	30-Jul-2026
Cable (2.92 mm(f)-N(m), 2 m)	Junkosha	MWX241-02000KFSNMS/B	6332	12	03-Oct-2026
Cable (N-Type to N-Type, 8 m)	Junkosha	MWX221-08000NMSNMS/B	7054	12	01-Jul-2026
Pre-Amplifier (1 GHz to 18 GHz)	Schwarzbeck	BBV 9718 C	5350	12	11-May-2027
Pre-Amplifier (8 GHz to 18 GHz)	Wright Technologies	APS06-0061	5595	12	28-Oct-2026
Antenna (Bi-Log, 30 MHz to 1 GHz)	Teseq	CBL6111D	5615	24	24-Apr-2027
Antenna (DRG, 1 GHz to 10.5 GHz)	Schwarzbeck	BBHA9120B	5611	12	14-Sep-2026
Antenna (DRG, 7.5 GHz to 18 GHz)	Schwarzbeck	HWRD750	5610	12	29-Nov-2026

Table 16

TU - Traceability Unscheduled



3 Test Equipment Information

3.1 General Test Equipment Used

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Thermo Hygro Barometer	R.S Components	1160	7245	12	13-Mar-2027
Power Supply	TTI	EX355R	5573	-	TU

Table 17



4 Incident Reports

No incidents reports were raised.



5 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Radiated Emissions	30 MHz to 1 GHz, Bilog Antenna ± 5.17 dB 1 GHz to 6 GHz, Horn Antenna ± 5.05 dB 6 GHz to 18 GHz, Horn Antenna ± 4.94 dB

Table 18

Worst case error for both Time and Frequency measurement 12 parts in 10^6 .

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.