EMC Test Report

Applicant	:	**SHENZHEN MAONO TECHNOLOGY CO., LTD**
Address	:	**No. 1307, 13th Floor, Building 4, Phase II of Tianan Yungu Industrial Park, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China**
Product Name	:	**Gaming Audio Mixer**
Report Date	:	**Mar. 26, 2024**

Shenzhen Anbotek Compliance Laboratory Limited * Approved *

Shenzhen Anbotek Compliance Laboratory Limited

Contents

TEST REPORT

Applicant	:	SHENZHEN MAONO TECHNOLOGY CO., LTD
Manufacturer	:	Guangdong Dingchuang Smart Manufacturing Co.,Ltd.
Product Name	:	Gaming Audio Mixer
Test Model No.	:	G1 Neo
Reference Model No.	:	G1 Neo 2, G1 Neo 3, G1 Neo 4, G1 Neo 5, G1 Neo Pro, G1 Neo Ultra, G1 Neo Max, G1 Neo Lite, G1 Neo Single Mic Bundle, G1 Neo Solo Bundle, G1 Neo Dynamic Mic Bundle
Trade Mark	:	N/A
Rating(s)	:	Input: 5V⎓ 0.5A
Test Standard(s)	:	**EN 55032:2015+A1:2020** **EN 55035:2017+A11:2020**

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with above listed standard(s) requirements.
This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt: Feb. 24, 2024

Date of Test: Feb. 26, 2024 to Mar. 12, 2024

Prepared By: Nianxiu Chen

(Nianxiu Chen)

Approved & Authorized Signer: Edward Pan

(Edward Pan)

1. General Information

1.1. Client Information

Applicant	:	SHENZHEN MAONO TECHNOLOGY CO., LTD
Address	:	No. 1307, 13th Floor, Building 4, Phase II of Tianan Yungu Industrial Park, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China
Manufacturer	:	Guangdong Dingchuang Smart Manufacturing Co.,Ltd.
Address	:	Room 401, Building 8, Fenggang Tianan Digital City, No.208, Fenggang Section, Dongshen Road, Fenggang Town, Dongguan City, Guangdong Province
Factory	:	Guangdong Dingchuang Smart Manufacturing Co.,Ltd.
Address	:	Room 401, Building 8, Fenggang Tianan Digital City, No.208, Fenggang Section, Dongshen Road, Fenggang Town, Dongguan City, Guangdong Province

1.2. Description of Device (EUT)

Product Name	:	Gaming Audio Mixer
Test Model No.	:	G1 Neo
Reference Model No.	:	G1 Neo 2, G1 Neo 3, G1 Neo 4, G1 Neo 5, G1 Neo Pro, G1 Neo Ultra, G1 Neo Max, G1 Neo Lite, G1 Neo Single Mic Bundle, G1 Neo Solo Bundle, G1 Neo Dynamic Mic Bundle (Note: All samples are the same except the model number, shell shape and color, so we prepare "G1 Neo" for test only.)
Trade Mark	:	N/A
Test Power Supply	:	AC 230V/50Hz for Adapter
Test Sample No.	:	1-1-1
Adapter	:	N/A
Remark: (1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.		

1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
Xiaomi 33W adapter	Xiaomi	MDY-11-EX	SA62212LA04358J

1.4. Description of Test Modes

Pretest Modes	Descriptions
TM1	Adapter+AUX IN+AV OUT+AV OUT+AUX OUT (AC 230V/50Hz for adapter)

1.5. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.4dB
Radiated emissions (30MHz~1000MHz)	Horizontal: 3.92dB; Vertical: 4.52dB
Radiated emissions (above 1GHz)	1G-6GHz: 4.78dB; 6G-18GHz: 4.88dB
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

1.6. Test Summary

Test Items	Test Modes	Status
Conducted emissions from AC mains power ports (150kHz-30MHz)	Mode1	P
Radiated emissions (30MHz-1GHz)	Mode1	P
Radiated emissions (above 1GHz)	Mode1	P
Electrostatic discharges	Mode1	P
RF electromagnetic field disturbances	Mode1	P
Note: P: Pass N: N/A, not applicable		

1.7. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.:434132
Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 434132.

ISED-Registration No.: 8058A
Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location
Shenzhen Anbotek Compliance Laboratory Limited.
1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

1.8. EMS Performance Criteria

General Performance Criteria

Performance Criteria A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of operating state is allowed below a performance level specified by the manufacturer when the equipment is used as intended.

The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance Criteria B

During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test.

After the test, the equipment shall continue to operate as intended without operator intervention; no degradation of performance or loss of function is allowed, below a performance level specified by the manufacturer, when the equipment is used as intended.

The performance level may be replaced by a permissible loss of performance.

If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance Criteria C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed.

Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

Performance Criteria Description for Audio output function

Performance criterion A

General

During the test the audio output function shall be maintained and the requirements of G.7.1.2 or G.7.1.3 shall be met.

Devices supporting telephony functions

For devices that support telephony functions the limits of Table G.3 shall apply. With respect to Table G.3,

- the interference ratio (electrical or acoustic) shall meet the limits in column 3; or,
- the acoustic level of the demodulated audio shall be less than the limits in column 4; or,
- the digitally coded level of demodulated audio shall be less than limits in column 5; or,
- the analogue level of the demodulated audio shall be less than the limits in column 6.

Table G.3 – Performance criterion A – Limits for devices supporting telephony

Type of immunity test	Frequency range MHz	Acoustic or electrical interference ratio	Equivalent direct measurement		
			dB(SPL)	**Digital** dBm0	**Analogue** dBm
Conducted [a]	0,15 to 30	–20 dB	55	–50	–50
	30 to 80	–10 dB	65	–40	–40
Radiated	80 to 1 000	0 dB	75	–30	–30

[a] At the step in the frequency range, the lower limit shall be applied.
The equivalent direct measurement values are presented to show the equivalency of the interference ratio in comparison to a direct measured value. These values may be used if the direct measurement method of the test is used.
The values within this table are aligned with CISPR 24, noting that the test levels are different between this document and CISPR 24.
For terminals connected to digital wired network ports (such as Ethernet, ISDN), measurements of the demodulated 1 kHz may be performed on a remote AE, ideally of the same design.

NOTE The amplitude demodulation disturbances will arise, almost invariably, from semi-conductor junctions behaving as inadvertent square law detectors. This means that for a 10 dB increase in the applied test level, for example, from 1 V to 3 V, the demodulated line noise will increase by 20 dB. This 20dB offset was used to derive the values in Table G.3.

For all other devices

The measured acoustic interference ratio and/or the measured electrical interference ratio during the test shall be –20 dB or better.

Performance criterion B

During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test.

After the test, the equipment shall continue to operate as intended without operator intervention; no degradation of performance or loss of function is allowed, below a performance level specified by the manufacturer, when the equipment is used as intended.

The performance level may be replaced by a permissible loss of performance.

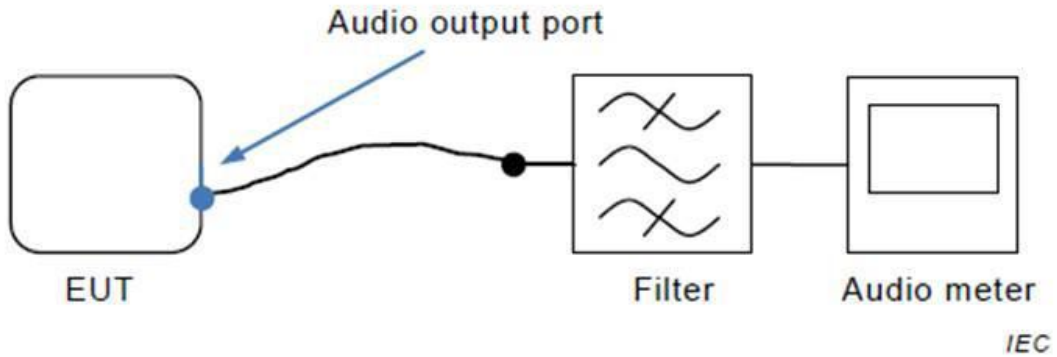
If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance criterion C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed.

Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

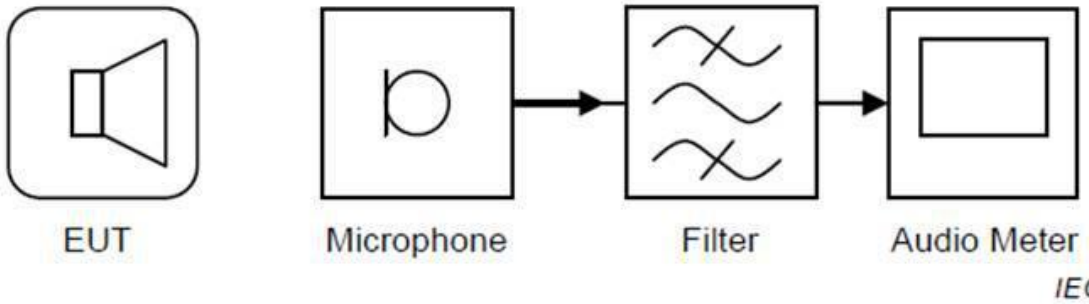
Test setup examples



The filter is the audio filter specified in G.6.1 and is typically incorporated into the audio meter. Additional filtering might be necessary to ensure that the RF disturbance signal does not interfere with the measurement.

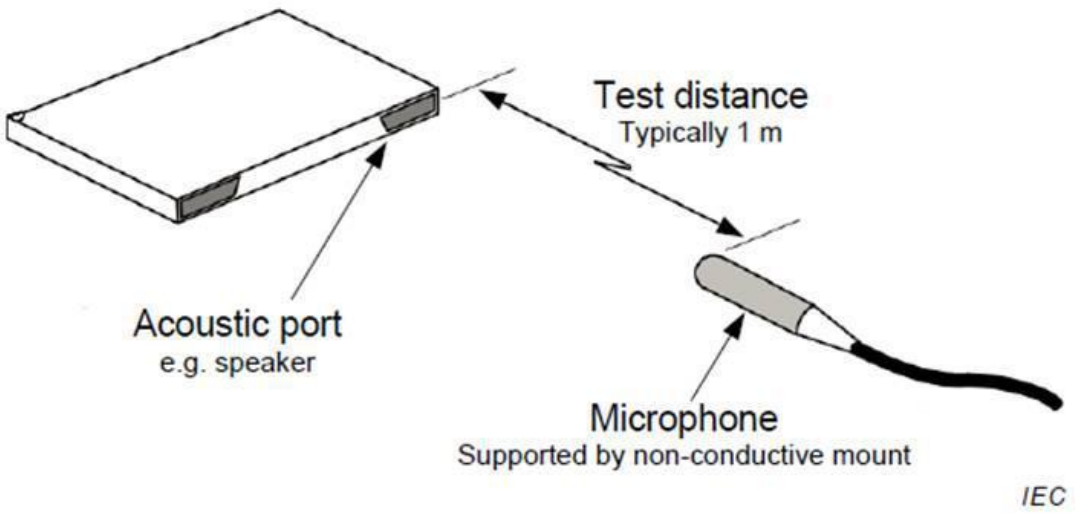
Figure G.1 – Example basic test setup for electrical measurements

(direct connection to EUT)



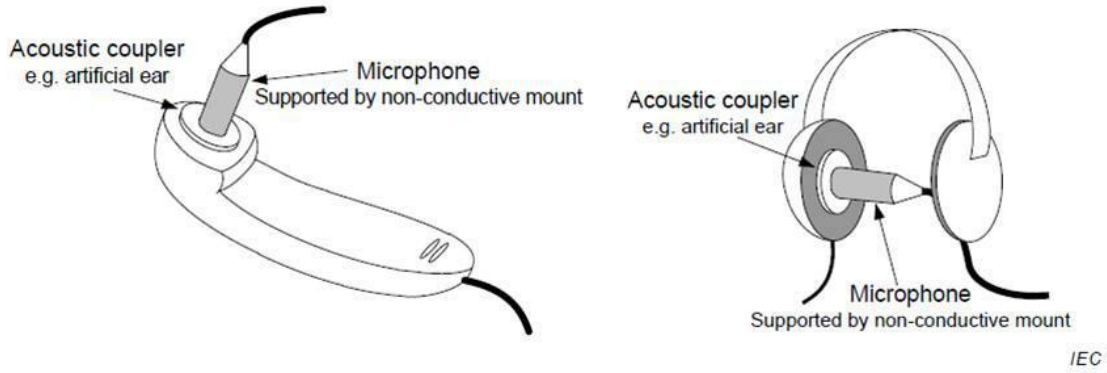
The filter is the audio filter specified in G.6.1 and is typically incorporated into the audio meter. Additional filtering might be necessary to ensure that the RF disturbance signal does not interfere with the measurement.

Figure G.2 – Example basic test setup for acoustic measurements



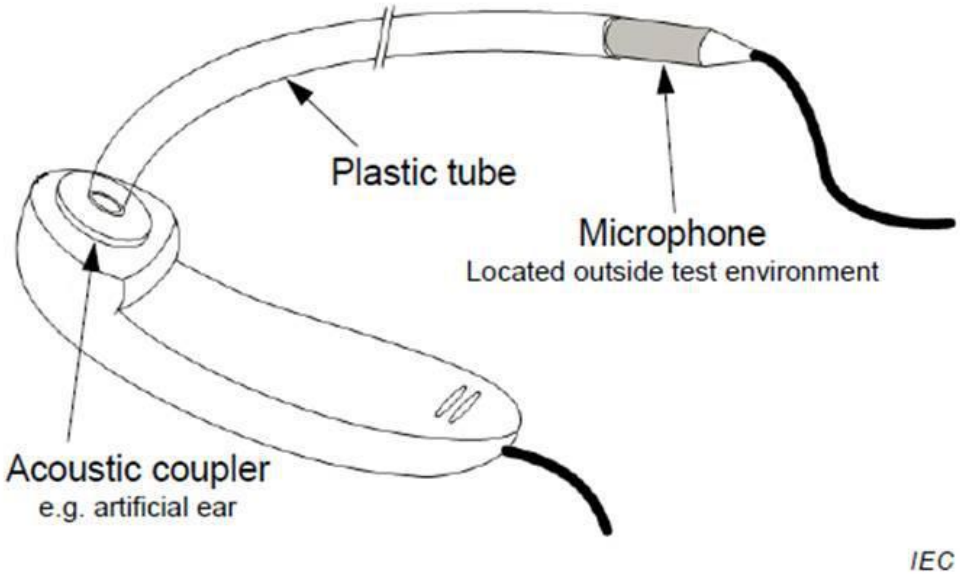
The microphone is connected via the cable to a suitable amplifier. Ensure that there is minimal acoustic loss between EUT and microphone.

Figure G.3 – Example test setup for acoustic measurements on loudspeakers



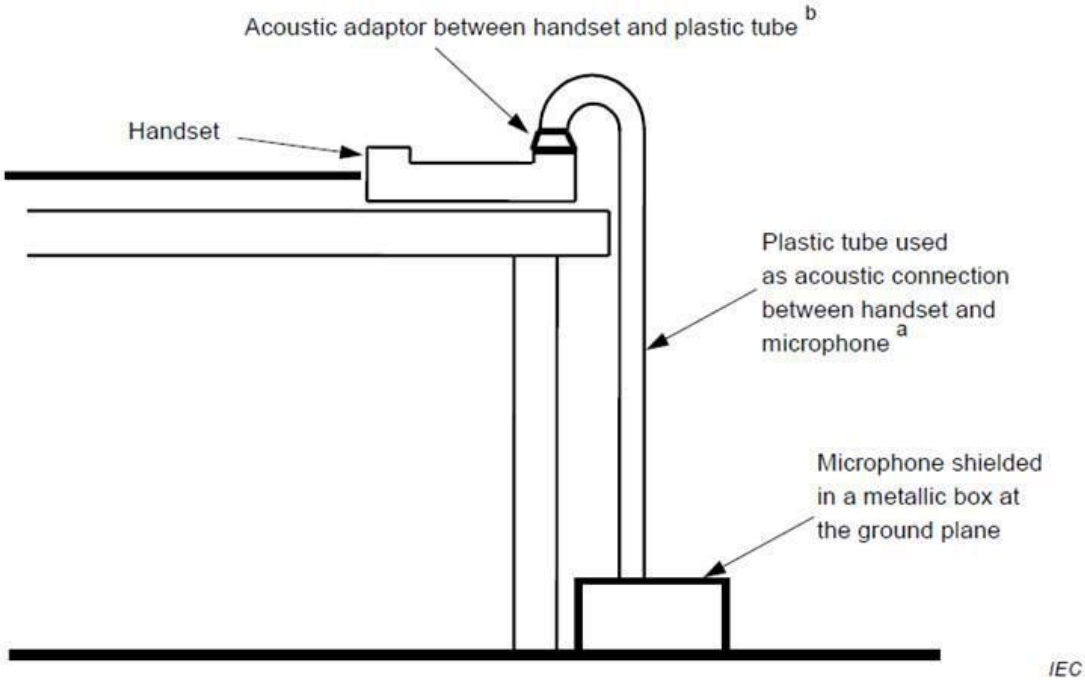
NOTE 1 The microphone is connected via the cable to a suitable amplifier.
NOTE 2 This setup cannot be suitable for radiated testing. See G.6.3.

Figure G.4 – Example test setup for on-ear acoustic measurements



NOTE 1 The microphone is connected via the cable to a suitable amplifier.
NOTE 2 This setup is suitable for radiated immunity testing. See G.6.3

Figure G.5 – Example test setup for on-ear acoustic measurements, microphone located away from earpiece transducer

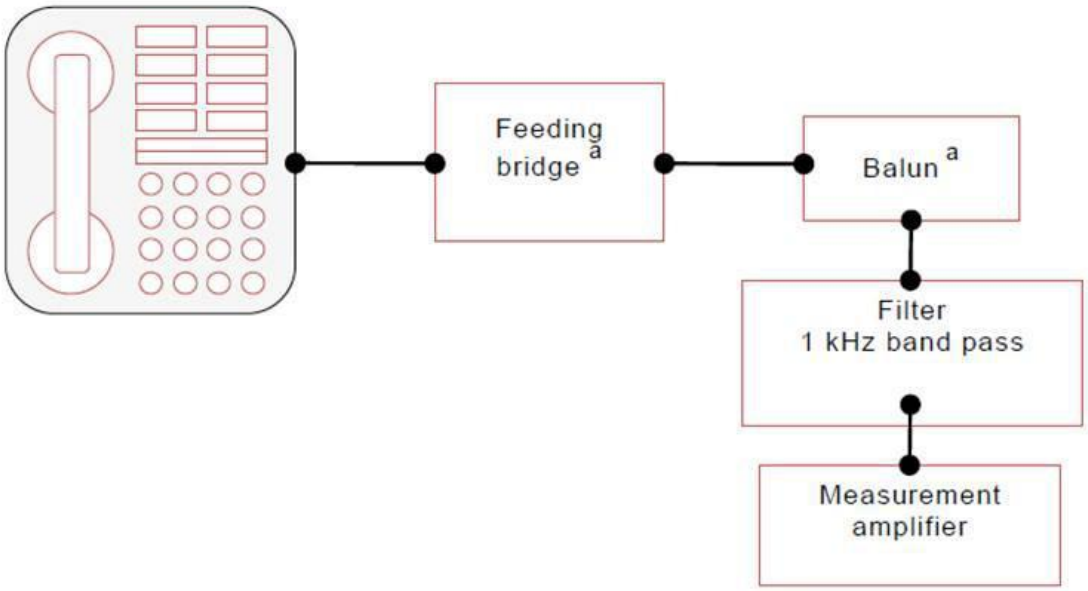


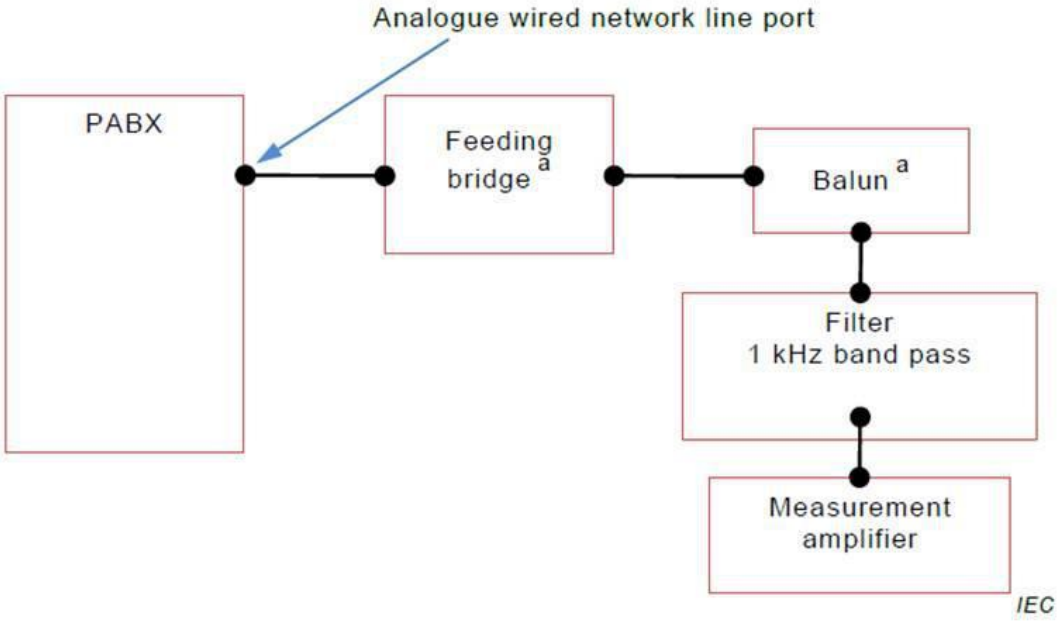
NOTE This set up is suitable for radiated immunity testing. See G.6.3.

[a] The acoustic measurement procedure compensates for the acoustic properties of the tube. Typically, the tube has an inner diameter of 15 mm, an outer diameter of 19 mm, and a total length of 1,5 m.

[b] Conically formed adaptor which is connected acoustically to the various forms of handsets with some type of soft rubber. This stable coupling of the handset to the acoustical tube should not be changed between establishing the reference level and measuring the demodulated levels.

Figure G.6 – Example test setup for measuring the sound pressure level from the acoustic output device of a telephone handset





[a] The feeding bridge current and the balun impedance are to be chosen according to the intended purpose of the EUT. In addition the feeding bridge may provide the power required for the MME to operate.

Figure G.7 – Example test setups for measuring the demodulation on analogue wired network lines

1.9. Test Equipment List

Conducted emissions from AC mains power ports (150kHz-30MHz)						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	2023-10-12	2024-10-11
2	Three Phase V-type Artificial Power Network	CYBERTEK	EM5040DT	E215040DT001	2023-07-05	2024-07-04
3	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	2023-10-12	2024-10-11
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	/	/

Radiated emissions (30MHz-1GHz)						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11
2	Pre-amplifier	SONOMA	310N	186860	2023-10-12	2024-10-11
3	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
4	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	/	/

Radiated emissions (above 1GHz)						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	2023-10-12	2024-10-11
2	Pre-amplifier	SONOMA	310N	186860	2023-10-12	2024-10-11
3	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	2022-10-23	2025-10-22
4	EMI Preamplifier	SKET Electronic	LNPA-0118G-45	SKET-PA-002	2023-10-12	2024-10-11
5	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	2022-10-16	2025-10-15
6	Software Name EZ-EMC	Farad Technology	ANB-03A	N/A	/	/

Electrostatic discharges						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	ESD Simulators	emtest	ESD NX30.1	11936	2023-03-17	2024-03-16

RF electromagnetic field disturbances						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due Date
1	Signal Generator	Agilent	N5181A	MY50143107	2023-04-20	2024-04-19
2	Power Meter	Agilent	E4417A	MY45101384	2023-04-20	2024-04-19
3	Amplifier	Micotop	MPA-80-1000-600	MPA2110318	2023-04-20	2024-04-19
4	Amplifier	Micotop	MPA-1000-6000-100	MPA2110327	2023-04-20	2024-04-19
5	Log.-Per.-Antenna	Schwarzbeck	VULP 9118E	01012	/	/
6	Microwave Log.-Per. Antenna	Schwarzbeck	STLP 9149	00788	/	/
7	Power Sensor	KEYSIGHT	E9323A	US40410647	2023-04-20	2024-04-19
8	Power Sensor	KEYSIGHT	E9323A	MY53100007	2023-04-20	2024-04-19
9	Electric field Probe	Narda S.T.S /PMM	EP 601	811ZX10351	2023-04-20	2024-04-19
10	Software	EMtrace	EM 3	/	/	/

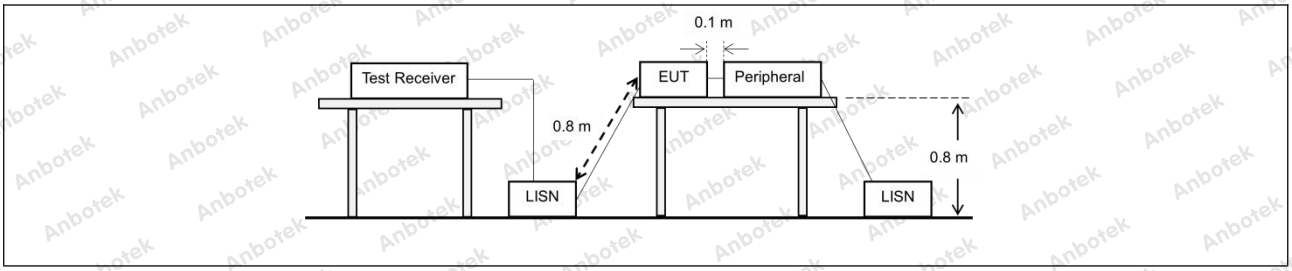
2. Conducted emissions from AC mains power ports (150kHz-30MHz)

Test Requirement:	Class B
Test Limit:	**Frequency Range** / **Limit (Quasi-Peak)** / **Limit (Average)** 0.15MHz to 0.5MHz: 66dB(μV) to 56dB(μV) / 56dB(μV) to 46dB(μV) 0.5MHz to 5MHz: 56dB(μV) / 46dB(μV) 5MHz to 30MHz: 60dB(μV) / 50dB(μV) Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz
Test Method:	EN 55032:2015+A1:2020
Procedure:	An initial pre-scan was performed with peak detector.Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected. Remark: Level= Read Level+ Cable Loss+ LISN Factor

2.1. EUT Operation

Operating Environment:	
Test mode:	1: TM1: Adapter+AUX IN+AV OUT+AV OUT+AUX OUT (AC 230V/50Hz for adapter)

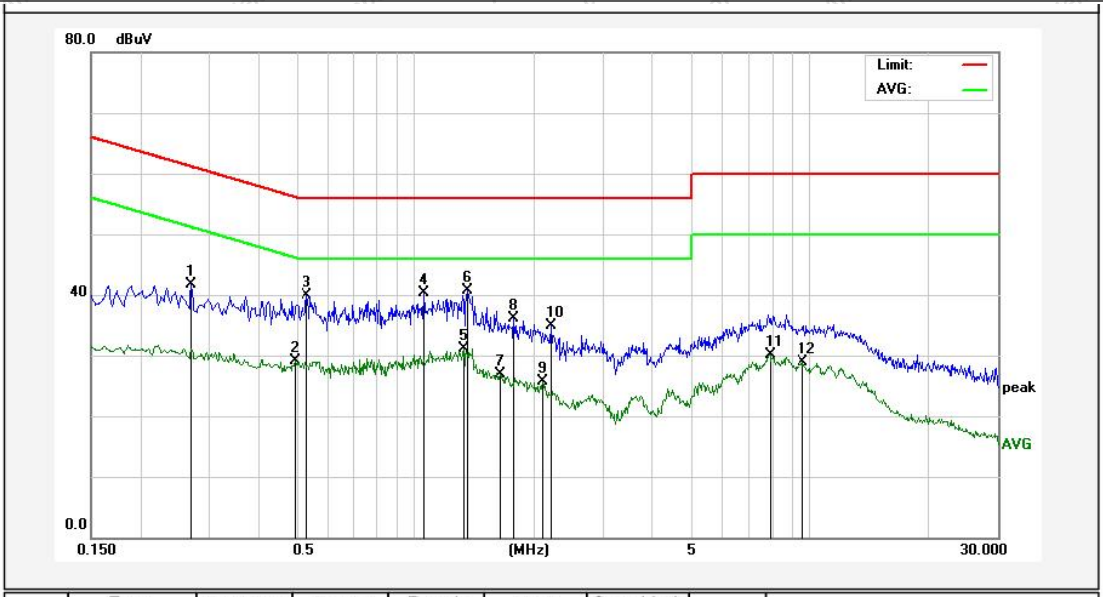
2.2. Test Setup



2.3. Test Data

Temperature:	20.9 °C	Humidity:	50 %	Atmospheric Pressure:	101 kPa

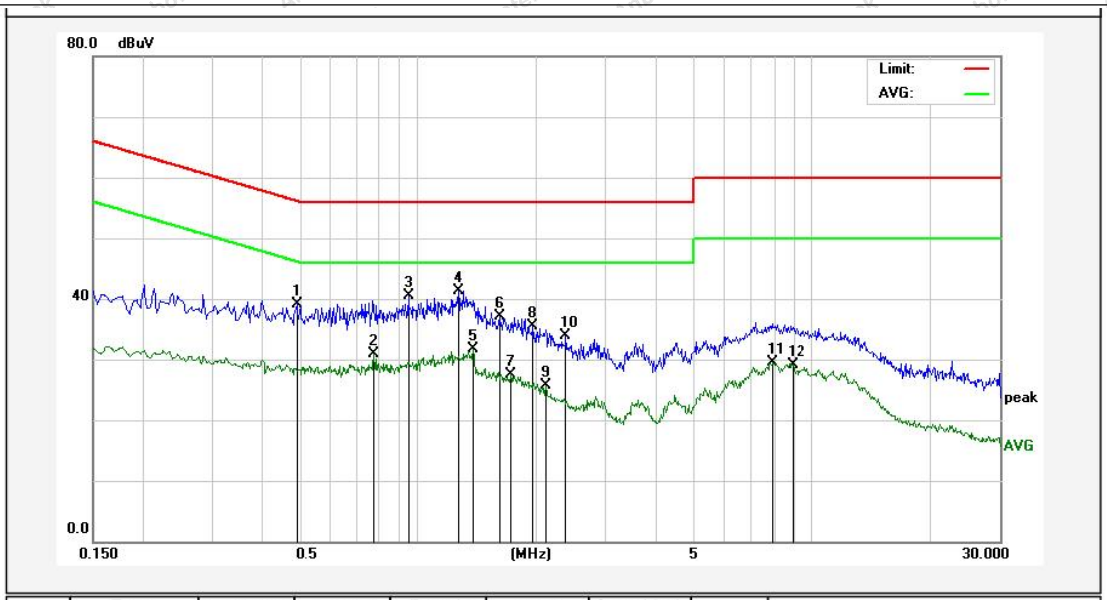
TM1 / Line: Line



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.2700	23.79	17.84	41.63	61.12	-19.49	QP	
2	0.4940	11.16	17.86	29.02	46.10	-17.08	AVG	
3	0.5299	21.99	17.86	39.85	56.00	-16.15	QP	
4	1.0500	22.35	17.86	40.21	56.00	-15.79	QP	
5	1.3300	13.25	17.86	31.11	46.00	-14.89	AVG	
6	1.3580	22.77	17.86	40.63	56.00	-15.37	QP	
7	1.6420	8.98	17.85	26.83	46.00	-19.17	AVG	
8	1.7780	18.27	17.86	36.13	56.00	-19.87	QP	
9	2.1020	7.94	17.85	25.79	46.00	-20.21	AVG	
10	2.2020	17.07	17.85	34.92	56.00	-21.08	QP	
11	7.8940	12.16	17.93	30.09	50.00	-19.91	AVG	
12	9.5900	10.94	17.96	28.90	50.00	-21.10	AVG	

Temperature:	20.9 °C	Humidity:	50 %	Atmospheric Pressure:	101 kPa

TM1 / Line: Neutral



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.4940	21.34	17.86	39.20	56.10	-16.90	QP	
2	0.7780	13.10	17.87	30.97	46.00	-15.03	AVG	
3	0.9500	22.69	17.86	40.55	56.00	-15.45	QP	
4	1.2700	23.52	17.86	41.38	56.00	-14.62	QP	
5	1.3820	13.80	17.86	31.66	46.00	-14.34	AVG	
6	1.6140	19.22	17.85	37.07	56.00	-18.93	QP	
7	1.7260	9.75	17.85	27.60	46.00	-18.40	AVG	
8	1.9660	17.58	17.85	35.43	56.00	-20.57	QP	
9	2.1180	7.82	17.85	25.67	46.00	-20.33	AVG	
10	2.3740	15.99	17.85	33.84	56.00	-22.16	QP	
11	7.9420	11.61	17.93	29.54	50.00	-20.46	AVG	
12	8.9460	11.13	17.95	29.08	50.00	-20.92	AVG	

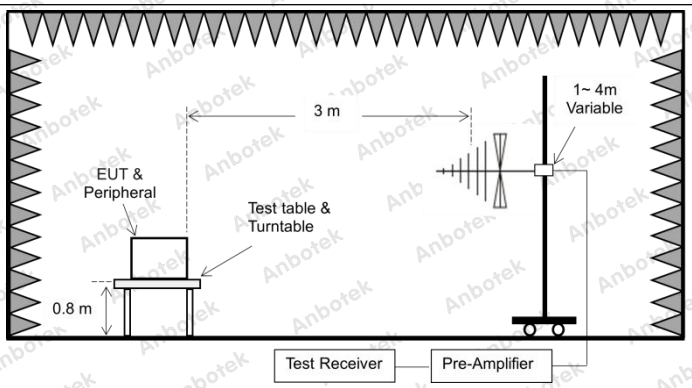
3. Radiated emissions (30MHz-1GHz)

Test Requirement:	Class B
Test Limit:	**Frequency (MHz)** / **Limit [dB(uV/m) at 10m]** / **Limit [dB(uV/m) at 3m]** 30 to 230 / 30 / 40 230 to 1000 / 37 / 47 Detector: / Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz
Test Method:	EN 55032:2015+A1:2020
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

3.1. EUT Operation

Operating Environment:	
Test mode:	1: TM1: Adapter+AUX IN+AV OUT+AV OUT+AUX OUT (AC 230V/50Hz for adapter)

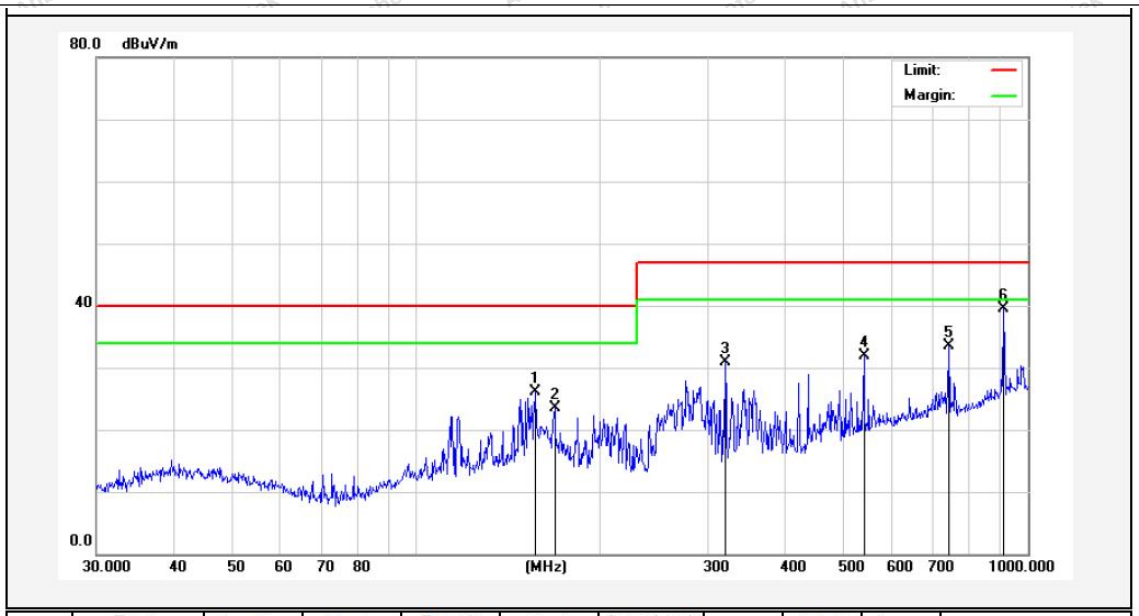
3.2. Test Setup



3.3. Test Data

Temperature:	23.5 °C	Humidity:	55 %	Atmospheric Pressure:	101 kPa

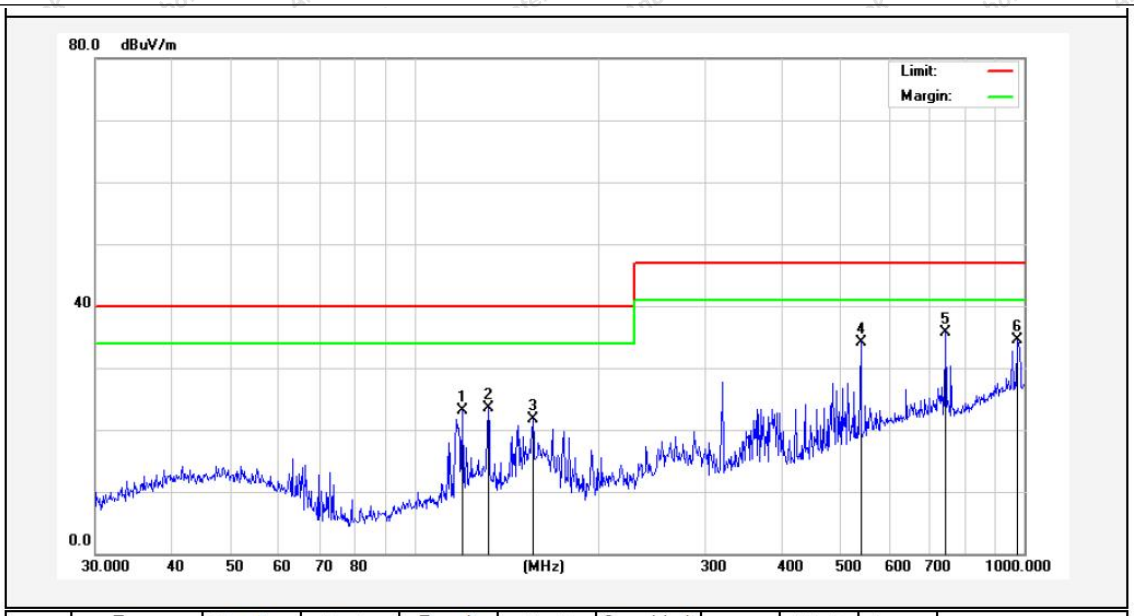
TM1 / Polarization: Horizontal



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	156.4578	49.78	-23.61	26.17	40.00	-13.83	QP			
2	168.4138	47.23	-23.67	23.56	40.00	-16.44	QP			
3	319.9370	47.53	-16.70	30.83	47.00	-16.17	QP			
4	539.4775	44.01	-12.19	31.82	47.00	-15.18	QP			
5	742.2587	42.83	-9.34	33.49	47.00	-13.51	QP			
6	912.8620	45.53	-6.08	39.45	47.00	-7.55	QP			

Temperature:	23.5 °C	Humidity:	55 %	Atmospheric Pressure:	101 kPa

TM1 / Polarization: Vertical



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	119.8556	43.02	-19.90	23.12	40.00	-16.88	QP			
2	132.2206	45.10	-21.63	23.47	40.00	-16.53	QP			
3	156.4578	43.53	-21.81	21.72	40.00	-18.28	QP			
4	539.4775	45.93	-11.87	34.06	47.00	-12.94	QP			
5	742.2587	44.96	-9.34	35.62	47.00	-11.38	QP			
6	972.3374	39.71	-5.26	34.45	47.00	-12.55	QP			

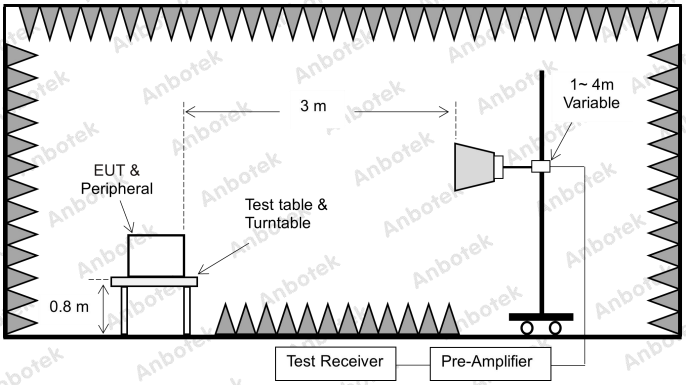
4. Radiated emissions (above 1GHz)

Test Requirement:	Class B
Test Limit:	**Frequency (MHz)** / **Limit (dBuV/m)**: **Peak** 74, **Average** 54 1000 to 6000 Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000MHz to 6000MHz
Test Method:	EN 55032:2015+A1:2020
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

4.1. EUT Operation

Operating Environment:	
Test mode:	1: TM1: Adapter+AUX IN+AV OUT+AV OUT+AUX OUT (AC 230V/50Hz for adapter)

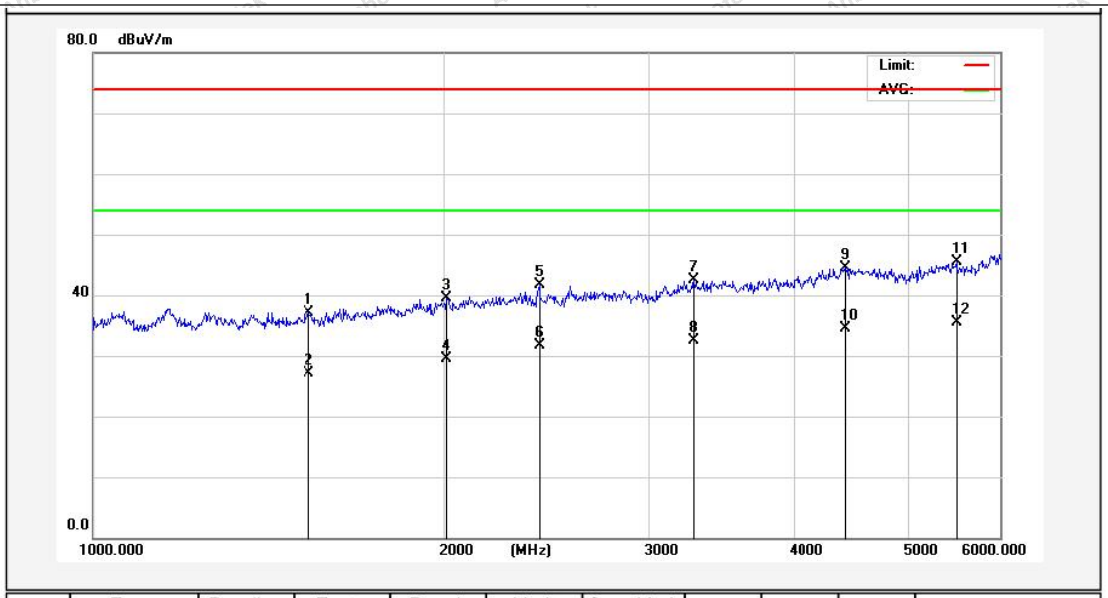
4.2. Test Setup



4.3. Test Data

Temperature:	23.7 °C	Humidity:	52.3 %	Atmospheric Pressure:	102 kPa

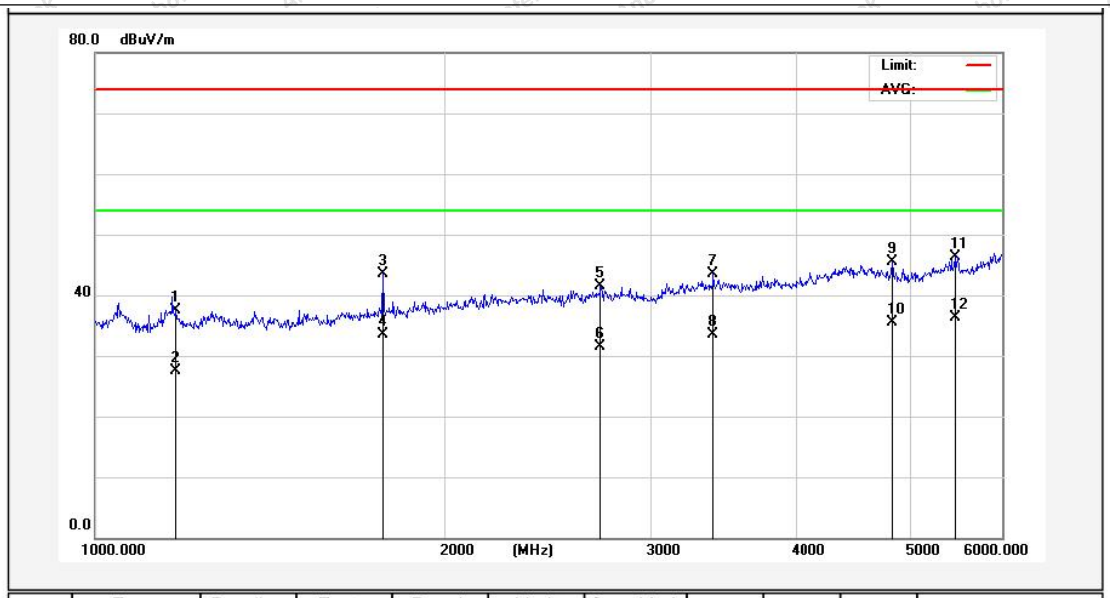
TM1 / Polarization: Horizontal



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	1531.793	56.99	-19.88	37.11	74.00	-36.89	peak			
2	1531.793	46.99	-19.88	27.11	54.00	-26.89	AVG			
3	2011.310	57.82	-18.34	39.48	74.00	-34.52	peak			
4	2011.310	47.82	-18.34	29.48	54.00	-24.52	AVG			
5	2414.629	59.20	-17.40	41.80	74.00	-32.20	peak			
6	2414.629	49.20	-17.40	31.80	54.00	-22.20	AVG			
7	3274.433	57.08	-14.63	42.45	74.00	-31.55	peak			
8	3274.433	47.08	-14.63	32.45	54.00	-21.55	AVG			
9	4424.514	55.94	-11.35	44.59	74.00	-29.41	peak			
10	4424.514	45.94	-11.35	34.59	54.00	-19.41	AVG			
11	5505.541	54.43	-9.02	45.41	74.00	-28.59	peak			
12	5505.541	44.43	-9.02	35.41	54.00	-18.59	AVG			

Temperature:	23.7 °C	Humidity:	52.3 %	Atmospheric Pressure:	102 kPa

TM1 / Polarization: Vertical



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	1172.885	57.85	-20.40	37.45	74.00	-36.55	peak			
2	1172.885	47.85	-20.40	27.45	54.00	-26.55	AVG			
3	1767.877	62.96	-19.44	43.52	74.00	-30.48	peak			
4	1767.877	52.96	-19.44	33.52	54.00	-20.48	AVG			
5	2712.878	58.26	-16.68	41.58	74.00	-32.42	peak			
6	2712.878	48.26	-16.68	31.58	54.00	-22.42	AVG			
7	3387.825	58.10	-14.68	43.42	74.00	-30.58	peak			
8	3387.825	48.10	-14.68	33.42	54.00	-20.58	AVG			
9	4830.532	56.10	-10.65	45.45	74.00	-28.55	peak			
10	4830.532	46.10	-10.65	35.45	54.00	-18.55	AVG			
11	5466.224	55.40	-9.09	46.31	74.00	-27.69	peak			
12	5466.224	45.40	-9.09	36.31	54.00	-17.69	AVG			

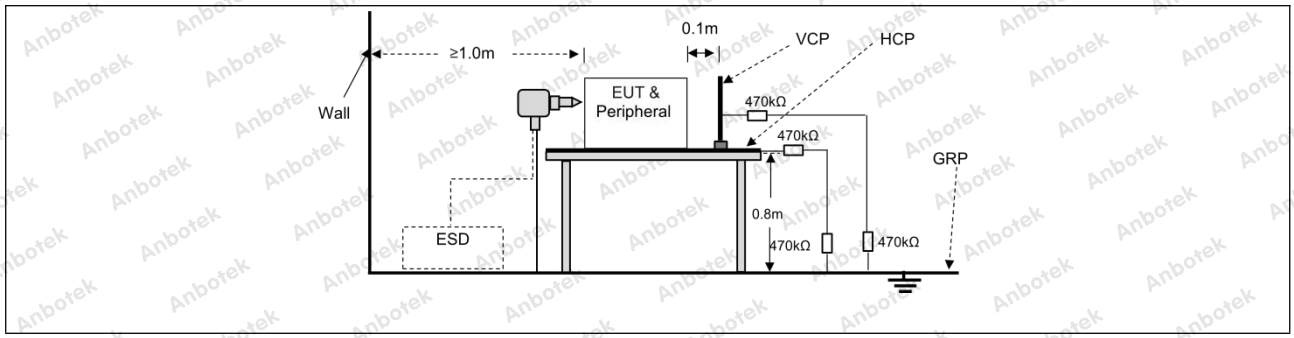
5. Electrostatic discharges

Test Requirement:	Contact Discharge: +/- 4kV Air Discharge: +/- 8kV
Test Method:	EN 61000-4-2: 2009
Procedure:	Discharge Impedance: 330Ω/150pF Number of Discharge: Minimum 10 times at each test point Discharge Mode: Single Discharge Discharge Period: 1 second minimum
Performance Criteria:	B

5.1. EUT Operation

Operating Environment:	
Test mode:	1: TM1: Adapter+AUX IN+AV OUT+AV OUT+AUX OUT (AC 230V/50Hz for adapter)

5.2. Test Setup



5.3. Test Data

Temperature:	20.2 °C	Humidity:	47 %	Atmospheric Pressure:	101 kPa

Discharge type	Volt (kV)	Polarity	Test Point	Result/ Observations
Air discharge	2,4,8	+	1	B
Air discharge	2,4,8	-	1	B
Contact discharge	4	+	2	B
Contact discharge	4	-	2	B
Horizontal Coupling	4	+	3	B
Horizontal Coupling	4	-	3	B
Vertical Coupling	4	+	3	B
Vertical Coupling	4	-	3	B

Test Point: 1. All insulated enclosure and seams.
2. All accessible metal parts of the enclosure.
3. All side.
A: No degradation in the performance of the EUT was observed.

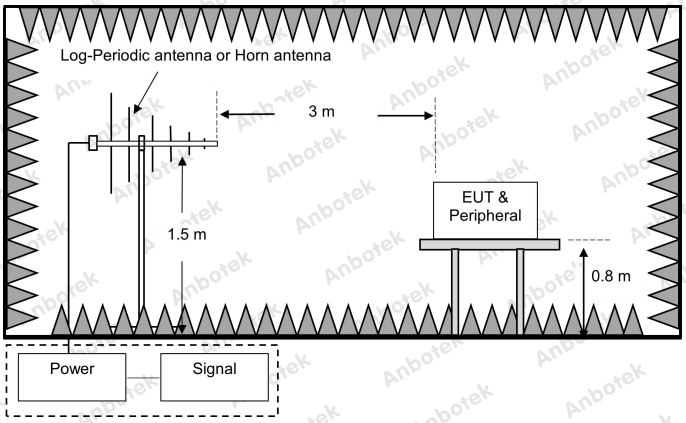
6. RF electromagnetic field disturbances

Test Requirement:	3V/m, 80%, 1kHz Amp. Mod.
Test Method:	EN IEC 61000-4-3: 2020
Procedure:	Frequency Range: 80MHz to 1GHz, 1800MHz, 2600MHz, 3500MHz, 5000MHz Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz,80% Amp. Mod,1% increment
Performance Criteria:	A

6.1. EUT Operation

Operating Environment:	
Test mode:	1: TM1: Adapter+AUX IN+AV OUT+AV OUT+AUX OUT (AC 230V/50Hz for adapter)

6.2. Test Setup



6.3. Test Data

Temperature:	20.6 °C	Humidity:	50 %	Atmospheric Pressure:	101 kPa

Frequency	Field Strength (V/m)	EUT face	Dwell time	Result/ Observations
80MHz-1GHz	3	Front	3s	A
80MHz-1GHz	3	Back	3s	A
80MHz-1GHz	3	Left	3s	A
80MHz-1GHz	3	Right	3s	A
80MHz-1GHz	3	Top	3s	A
80MHz-1GHz	3	Bottom	3s	A
1800MHz	3	Front	3s	A
1800MHz	3	Back	3s	A
1800MHz	3	Left	3s	A
1800MHz	3	Right	3s	A
1800MHz	3	Top	3s	A
1800MHz	3	Bottom	3s	A
2600MHz	3	Front	3s	A
2600MHz	3	Back	3s	A
2600MHz	3	Left	3s	A
2600MHz	3	Right	3s	A
2600MHz	3	Top	3s	A
2600MHz	3	Bottom	3s	A
3500MHz	3	Front	3s	A
3500MHz	3	Back	3s	A
3500MHz	3	Left	3s	A
3500MHz	3	Right	3s	A
3500MHz	3	Top	3s	A
3500MHz	3	Bottom	3s	A
5000MHz	3	Front	3s	A
5000MHz	3	Back	3s	A
5000MHz	3	Left	3s	A
5000MHz	3	Right	3s	A
5000MHz	3	Top	3s	A
5000MHz	3	Bottom	3s	A

A: No degradation in the performance of the EUT was observed.

APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_EMC

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

CE Label

1. The CE conformity marking must consist of the initials 'CE' taking the following form:
   If the CE marking is reduced or enlarged, the proportions given in the above graduated drawing must be respected.
2. The CE marking must have a height of at least 5 mm except where this is not possible on account of the nature of the apparatus.
3. The CE marking must be affixed to the product or to its data plate. Additionally it must be affixed to the packaging, if any, and to the accompanying documents.
4. The CE marking must be affixed visibly, legibly and indelibly.
   It must have the same height as the initials 'CE'.

---------- End of Report ----------