RED-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)	:	**ETSI EN 301 489-1 V2.2.3 (2019-11)** **ETSI EN 301 489-17 V3.2.4 (2020-09)**

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: Nian xiu Chen

(Nianxiu Chen)

Approved & Authorized Signer: Edward pan

(Edward Pan)

Revision History

Report Version	Description	Issued Date
R00	Original Issue.	Mar. 26, 2024

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.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
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+BT Mode(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
The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. 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 (AC power port)	Mode1	P
Radiated emissions (30MHz-1GHz)	Mode1	P
Radiated emissions (above 1GHz)	Mode1	P
Electrostatic discharge	Mode1	P
Radio frequency electromagnetic field (80 MHz to 6 000 MHz)	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. Disclaimer

1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
2. The test report is invalid if there is any evidence and/or falsification.
3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

1.9. EMS Performance Criteria

Performance Criteria for ETSI EN 301 489-1 V2.2.3 (2019-11)

Continuous phenomena:

During the test, the equipment shall:

• continue to operate as intended;

• not unintentionally transmit;

• not unintentionally change its operating state;

• not unintentionally change critical stored data.

Continuous and non-continuous operation

Latency is the time delay between the initiation and the completion of operation of the EUT.

Correct functioning requires completing the relevant operation within the maximum latency time.

Where the maximum latency is specified in the applicable harmonised radio standard (in the wanted performance criterion, or an acknowledge requirement), that value shall be used.

Where this is not the case, then the maximum latency is that required by the intended use of the EUT.

Operating modes

Where the EUT has more than one mode of operation (see clause 4.4.1), an unplanned transition from one mode to another is considered as an unintentional response. The EUT shall be tested in all modes to confirm there are no such unintentional responses.

Transient phenomena:

For all ports and transient phenomena with the exception described below, the following applies:

• The application of the transient phenomena shall not result in a change of the mode of operation (e.g. unintended transmission) or the loss of critical stored data.

• After application of the transient phenomena, the equipment shall operate as intended.

For surges applied to symmetrically operated wired network ports intended to be connected directly to outdoor lines the following criteria applies:

• For products with only one symmetrical port intended for connection to outdoor lines, loss of function is allowed, provided the function is self-recoverable, or can be otherwise restored. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

• For products with more than one symmetrical port intended for connection to outdoor lines, loss of function on the port under test is allowed, provided the function is self-recoverable. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

Continuous and non-continuous operation

Latency is the time delay between the initiation and the completion of operation of the EUT.

Correct functioning requires completing the relevant operation within the maximum latency time.

Where the maximum latency is specified in the applicable harmonised radio standard (in the wanted performance criterion, or an acknowledge requirement), that value shall be used.

Where this is not the case, then the maximum latency is that required by the intended use of the EUT.

Operating modes

Where the EUT has more than one mode of operation (see clause 4.4.1), an unplanned transition from one mode to another is considered as an unintentional response. The EUT shall be tested in all modes to confirm there are no such unintentional responses.

Performance Criteria for ETSI EN 301 489-17 V3.2.4 (2020-09)

Performance criteria

General performance criteria

The performance criteria are:

• performance criteria A for immunity tests with phenomena of a continuous nature;

• performance criteria B for immunity tests with phenomena of a transient nature;

• performance criteria C for immunity tests with power interruptions exceeding a certain time.

The equipment shall meet the minimum performance criteria as specified in the following clauses.

Performance table

Performance criteria overview

Table 2: Performance criteria

Criteria	During test	After test (i.e. as a result of the application of the test)
A	Shall operate as intended. (See note). Shall be no loss of function. Shall be no unintentional transmissions.	Shall operate as intended. Shall be no degradation of performance. Shall be no loss of function. Shall be no loss of critical stored data.
B	May be loss of function.	Functions shall be self-recoverable. Shall operate as intended after recovering. Shall be no loss of critical stored data.
C	May be loss of function.	Functions shall be recoverable by the operator. Shall operate as intended after recovering. Shall be no loss of critical stored data.
NOTE: Operate as intended during the test allows a level of degradation in accordance with clause 6.2.2.		

Minimum performance level

For equipment that supports a PER or FER, the minimum performance level shall be a PER or FER less than or equal to 10 %.

For equipment that does not support a PER or a FER, the minimum performance level shall be no loss of the wireless transmission function needed for the intended use of the equipment.

Performance criteria for Continuous phenomena

The performance criteria A shall apply.

Where the EUT is a transmitter in standby mode, unintentional transmission shall not occur during the test.

Where the EUT is a transceiver in receive mode, unintentional transmission shall not occur during the test.

Performance criteria for Transient phenomena

The performance criteria B shall apply, except for voltage dips greater than or equal to 100 ms and voltage interruptions of 5 000 ms duration, for which performance criteria C shall apply.

Where the EUT is a transmitter in standby mode, unintentional transmission shall not occur as a result of the application of the test.

Where the EUT is a transceiver in receive mode, unintentional transmission shall not occur as a result of the application of the test.

1.10. Test Equipment List

Conducted emissions (AC power port)						
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 discharge						
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

Radio frequency electromagnetic field (80 MHz to 6 000 MHz)						
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	/	/	/

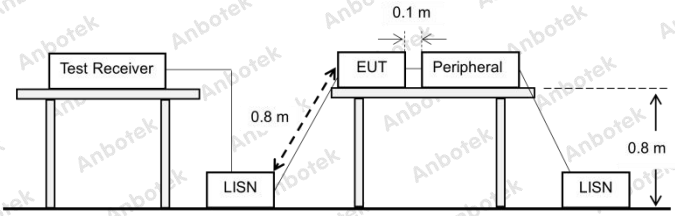
2. Conducted emissions (AC power port)

Test Requirement:	EN 301 489-1, clause 8.4 EN 301 489-17, clause 7.1
Test Limit:	Frequency Range (MHz) / Detector Type / Bandwidth / Limit (dBuV) 0.15 to 5 / Quasi Peak / 9 kHz / 66 to 56 0.5 to 5 / Quasi Peak / 9 kHz / 56 5 to 30 / Quasi Peak / 9 kHz / 60 0.15 to 5 / Average / 9 kHz / 56 to 46 0.5 to 5 / Average / 9 kHz / 46 5 to 30 / Average / 9 kHz / 50
Test Method:	EN 55032, annex A.3
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+BT Mode(AC 230V/50Hz for adapter)

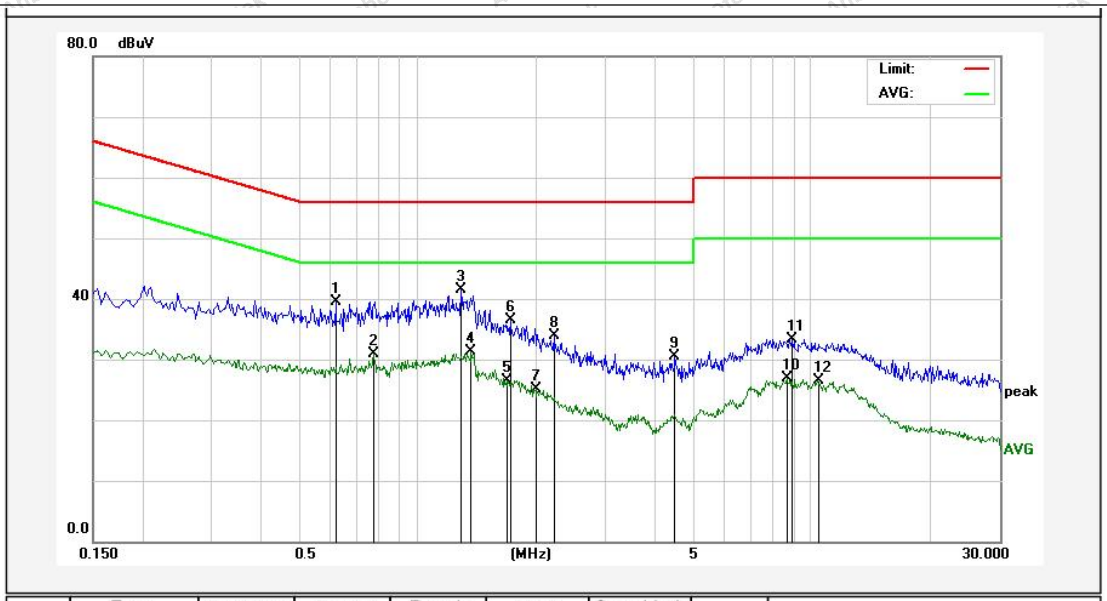
2.2. Test Setup



2.3. Test Data

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

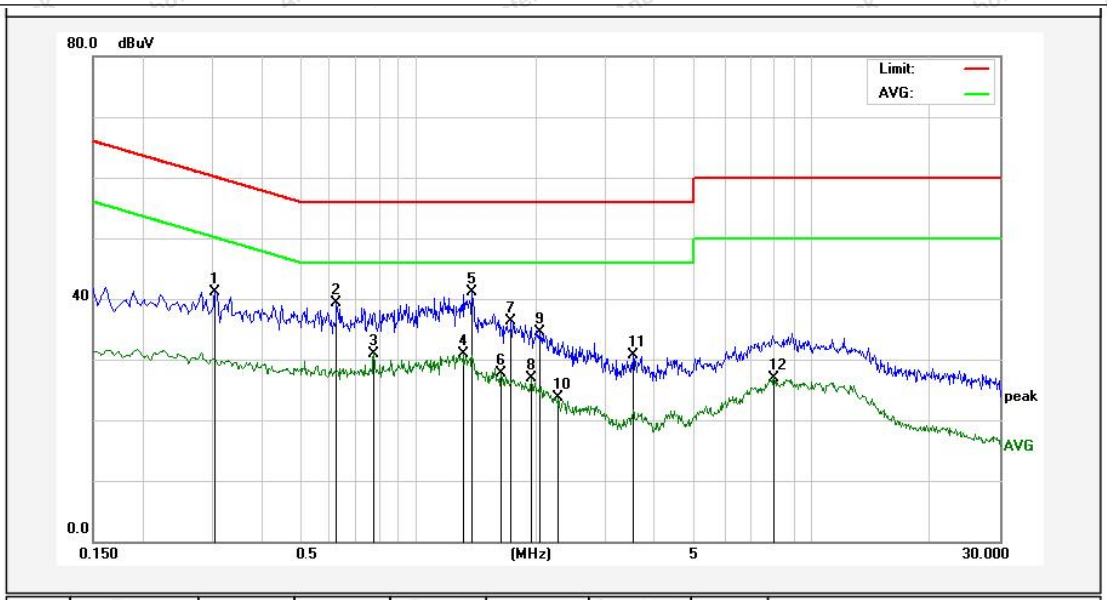
TM1 / Line: Line



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.6220	21.72	17.87	39.59	56.00	-16.41	QP	
2	0.7780	12.98	17.87	30.85	46.00	-15.15	AVG	
3	1.2940	23.69	17.86	41.55	56.00	-14.45	QP	
4	1.3700	13.40	17.86	31.26	46.00	-14.74	AVG	
5	1.6980	8.73	17.85	26.58	46.00	-19.42	AVG	
6	1.7220	18.69	17.85	36.54	56.00	-19.46	QP	
7	1.9980	7.30	17.85	25.15	46.00	-20.85	AVG	
8	2.2180	15.98	17.85	33.83	56.00	-22.17	QP	
9	4.4980	12.57	17.85	30.42	56.00	-25.58	QP	
10	8.6100	8.89	17.94	26.83	50.00	-23.17	AVG	
11	8.8820	15.39	17.95	33.34	60.00	-26.66	QP	
12	10.3460	8.60	17.98	26.58	50.00	-23.42	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	0.3060	23.33	17.84	41.17	60.08	-18.91	QP	
2	0.6260	21.42	17.87	39.29	56.00	-16.71	QP	
3	0.7780	13.13	17.87	31.00	46.00	-15.00	AVG	
4	1.3099	13.11	17.86	30.97	46.00	-15.03	AVG	
5	1.3779	23.20	17.86	41.06	56.00	-14.94	QP	
6	1.6300	9.86	17.85	27.71	46.00	-18.29	AVG	
7	1.7340	18.50	17.85	36.35	56.00	-19.65	QP	
8	1.9420	9.02	17.85	26.87	46.00	-19.13	AVG	
9	2.0540	16.57	17.85	34.42	56.00	-21.58	QP	
10	2.2780	5.87	17.85	23.72	46.00	-22.28	AVG	
11	3.5220	12.87	17.86	30.73	56.00	-25.27	QP	
12	7.9900	9.07	17.93	27.00	50.00	-23.00	AVG	

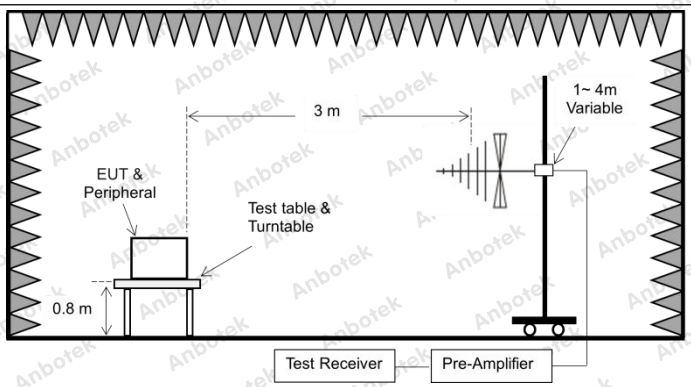
3. Radiated emissions (30MHz-1GHz)

Test Requirement:	EN 301 489-1, clause 8.2 EN 301 489-17, clause 7.1
Test Limit:	FREQUENCY (MHz) / dB(μV/m) At 10m / dB(μV/m) At 3m 30MHz-230MHz / 30 / 40 230MHz-1GHz / 37 / 47 Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz
Test Method:	EN 55032, annex A.2
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+BT Mode(AC 230V/50Hz for adapter)

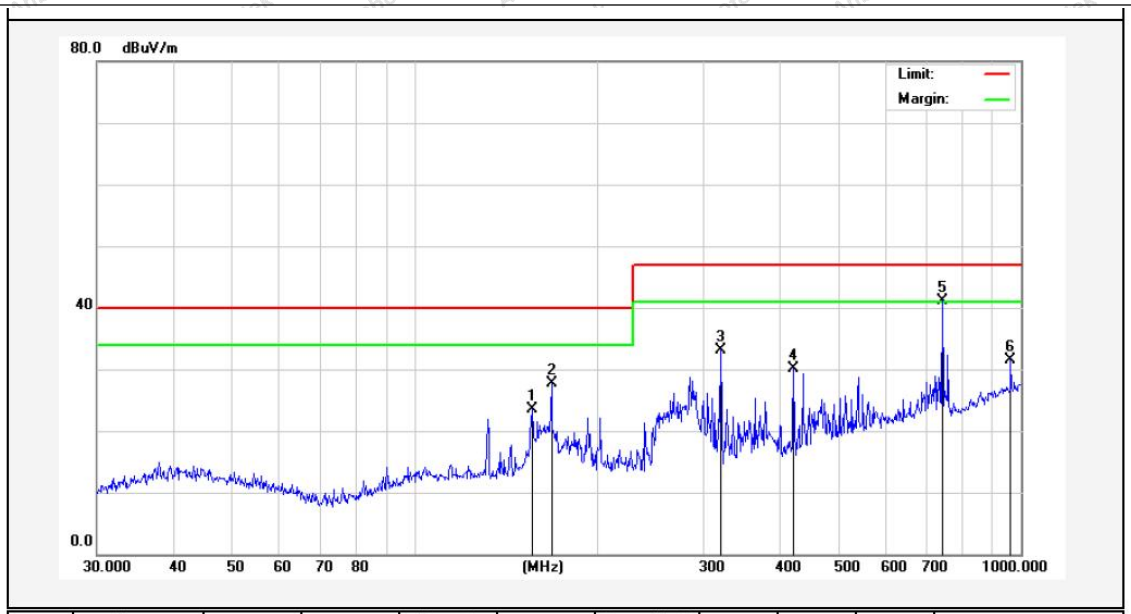
3.2. Test Setup



3.3. Test Data

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

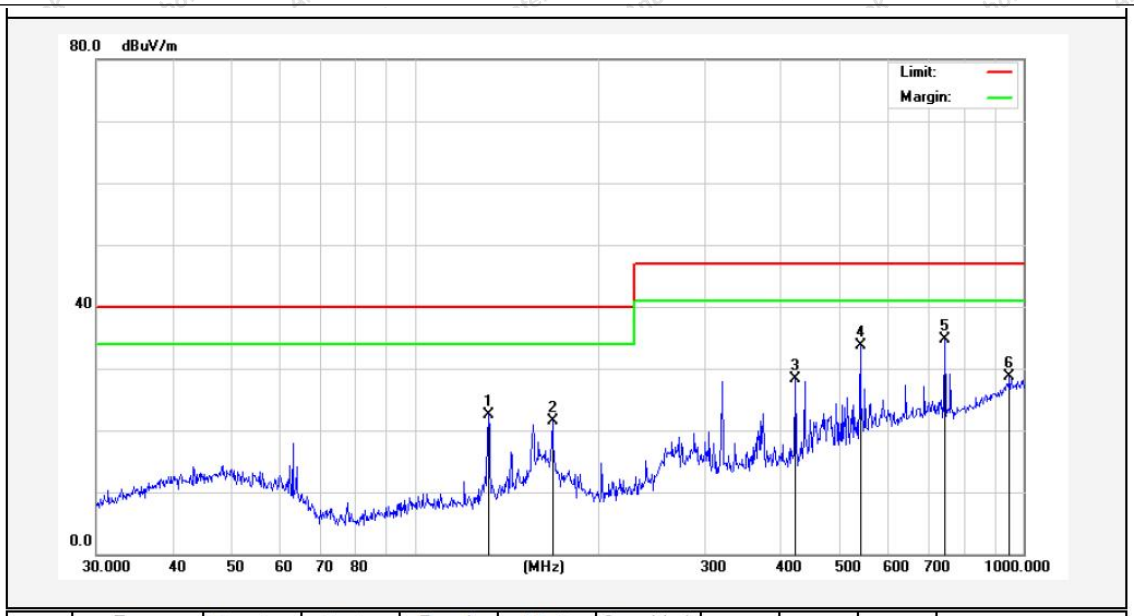
TM1 / Polarization: Horizontal



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	47.07	-23.61	23.46	40.00	-16.54	QP			
2	168.4138	51.30	-23.67	27.63	40.00	-12.37	QP			
3	319.9370	49.75	-16.70	33.05	47.00	-13.95	QP			
4	422.0577	46.00	-15.85	30.15	47.00	-16.85	QP			
5	742.2587	50.44	-9.34	41.10	47.00	-5.90	QP			
6	962.1623	37.01	-5.44	31.57	47.00	-15.43	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	132.2206	44.23	-21.63	22.60	40.00	-17.40	QP			
2	168.4138	42.72	-21.22	21.50	40.00	-18.50	QP			
3	422.0577	42.47	-14.11	28.36	47.00	-18.64	QP			
4	539.4775	45.67	-11.87	33.80	47.00	-13.20	QP			
5	742.2587	44.10	-9.34	34.76	47.00	-12.24	QP			
6	948.7610	34.32	-5.65	28.67	47.00	-18.33	QP			

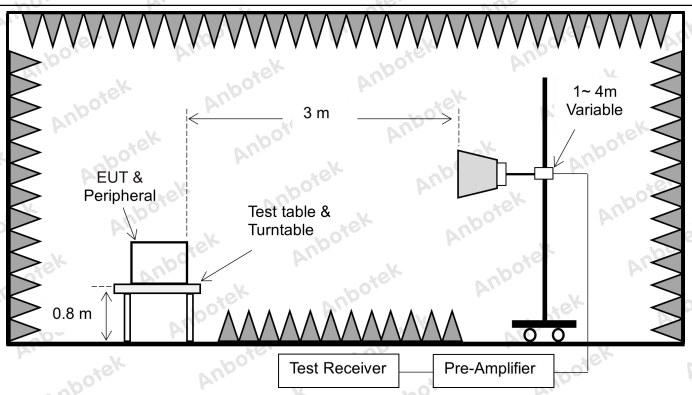
4. Radiated emissions (above 1GHz)

Test Requirement:	EN 301 489-1, clause 8.2 EN 301 489-17, clause 7.1
Test Limit:	**Frequency range (MHz)** / **Radiated emissions limit (dBuV/m)** (Peak / Average) 1000 to 3000: 70 / 50 3000 to 6000: 74 / 54 Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000MHz to 6000MHz
Test Method:	EN 55032, annex A.2
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+BT Mode(AC 230V/50Hz for adapter)

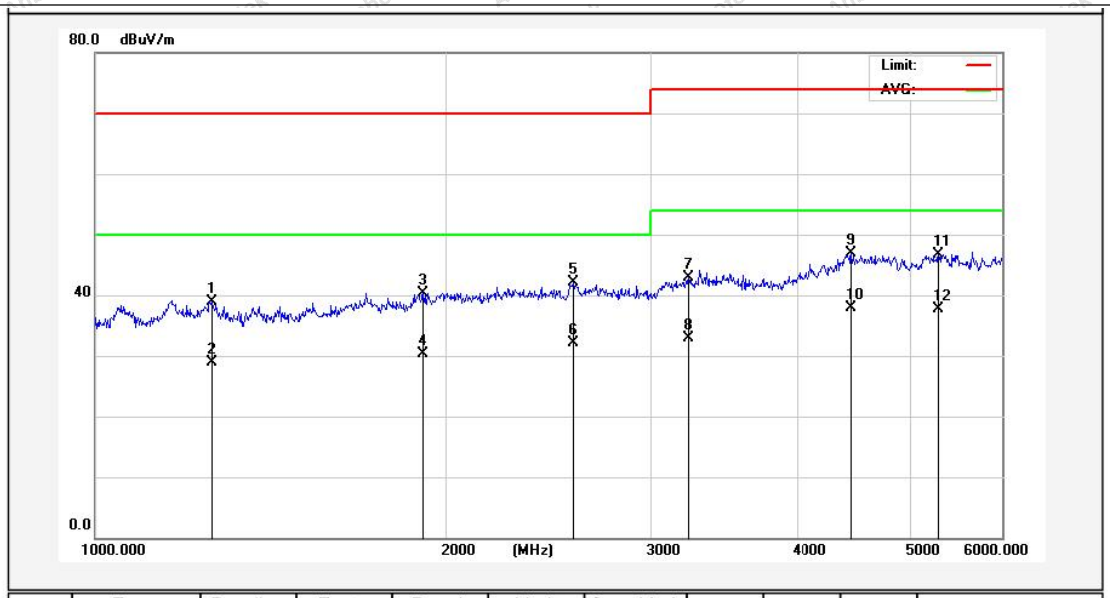
4.2. Test Setup



4.3. Test Data

Temperature:	22.6 °C	Humidity:	56.2 %	Atmospheric Pressure:	101 kPa

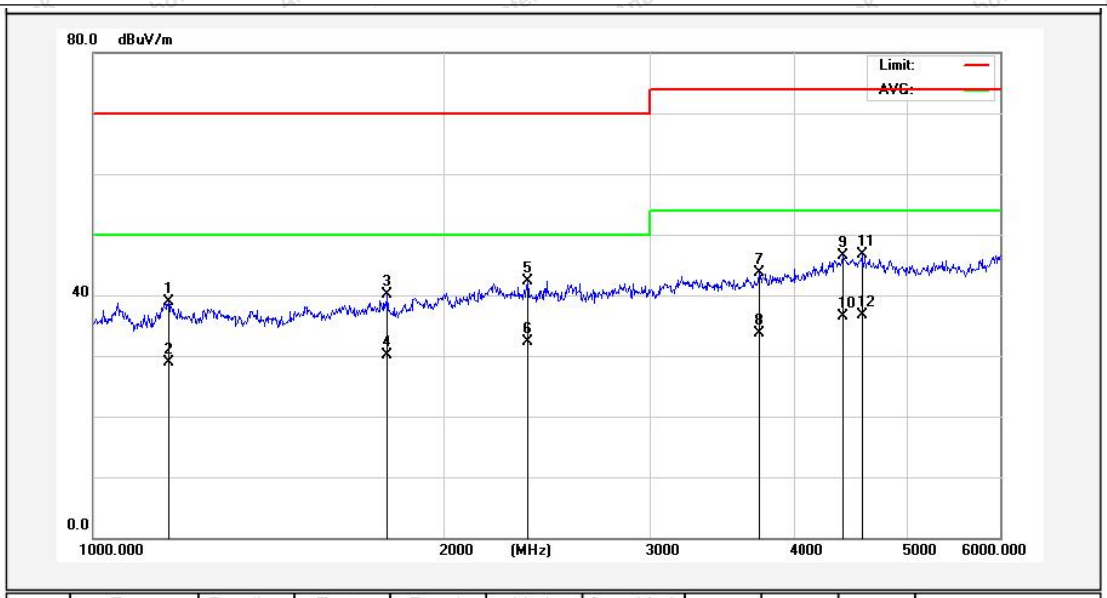
TM1 / Polarization: Horizontal



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	1257.776	59.17	-20.19	38.98	70.00	-31.02	peak			
2	1257.776	49.17	-20.19	28.98	50.00	-21.02	AVG			
3	1912.893	58.94	-18.56	40.38	70.00	-29.62	peak			
4	1912.893	48.94	-18.56	30.38	50.00	-19.62	AVG			
5	2570.903	59.03	-16.94	42.09	70.00	-27.91	peak			
6	2570.903	49.03	-16.94	32.09	50.00	-17.91	AVG			
7	3227.832	57.54	-14.71	42.83	74.00	-31.17	peak			
8	3227.832	47.54	-14.71	32.83	54.00	-21.17	AVG			
9	4456.338	58.30	-11.34	46.96	74.00	-27.04	peak			
10	4456.338	49.30	-11.34	37.96	54.00	-16.04	AVG			
11	5292.741	56.03	-9.33	46.70	74.00	-27.30	peak			
12	5292.741	47.03	-9.33	37.70	54.00	-16.30	AVG			

Temperature:	22.6 °C	Humidity:	56.2 %	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	1160.343	59.34	-20.44	38.90	70.00	-31.10	peak			
2	1160.343	49.34	-20.44	28.90	50.00	-21.10	AVG			
3	1790.190	59.44	-19.37	40.07	70.00	-29.93	peak			
4	1790.190	49.44	-19.37	30.07	50.00	-19.93	AVG			
5	2359.035	59.76	-17.46	42.30	70.00	-27.70	peak			
6	2359.035	49.76	-17.46	32.30	50.00	-17.70	AVG			
7	3725.315	57.52	-13.89	43.63	74.00	-30.37	peak			
8	3725.315	47.52	-13.89	33.63	54.00	-20.37	AVG			
9	4400.794	57.85	-11.34	46.51	74.00	-27.49	peak			
10	4400.794	47.85	-11.34	36.51	54.00	-17.49	AVG			
11	4569.538	57.79	-11.18	46.61	74.00	-27.39	peak			
12	4569.538	47.79	-11.18	36.61	54.00	-17.39	AVG			

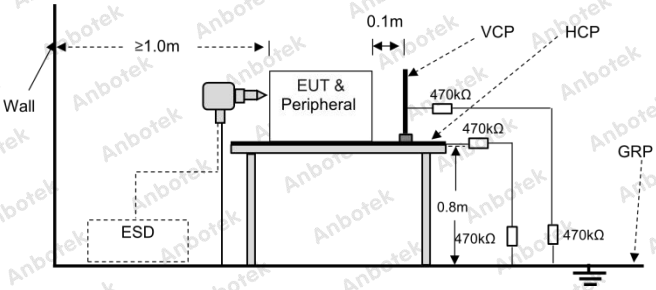
5. Electrostatic discharge

Test Requirement:	EN 301 489-1, clause 9.3 EN 301 489-17, clause 7.2
Test Method:	EN 61000-4-2, clauses 6, 7 and 8
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:	TT(B), TR(B)

5.1. EUT Operation

Operating Environment:	
Test mode:	1: TM1: Adapter+BT Mode(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.

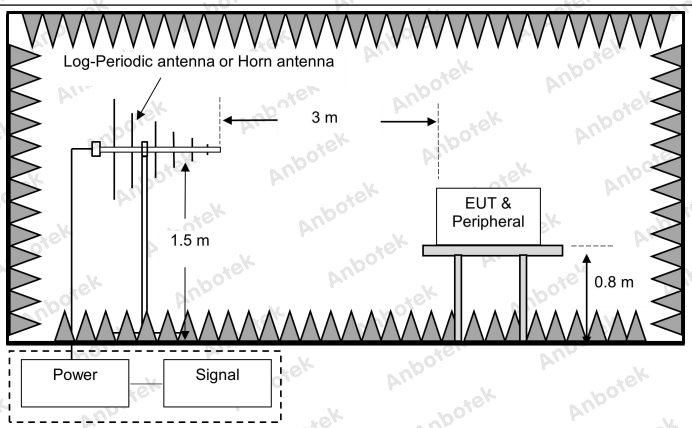
6. Radio frequency electromagnetic field (80 MHz to 6 000 MHz)

Test Requirement:	EN 301 489-1, clause 9.2 EN 301 489-17, clause 7.2
Test Method:	EN 61000-4-3, clauses 6, 7 and 8
Procedure:	Frequency Range: 80MHz to 6GHz Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz,80% Amp. Mod,1% increment
Performance Criteria:	CT(A), CR(A)

6.1. EUT Operation

Operating Environment:	
Test mode:	1: TM1: Adapter+BT Mode(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-6GHz	3	Front	3s	A
80MHz-6GHz	3	Back	3s	A
80MHz-6GHz	3	Left	3s	A
80MHz-6GHz	3	Right	3s	A
80MHz-6GHz	3	Top	3s	A
80MHz-6GHz	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

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