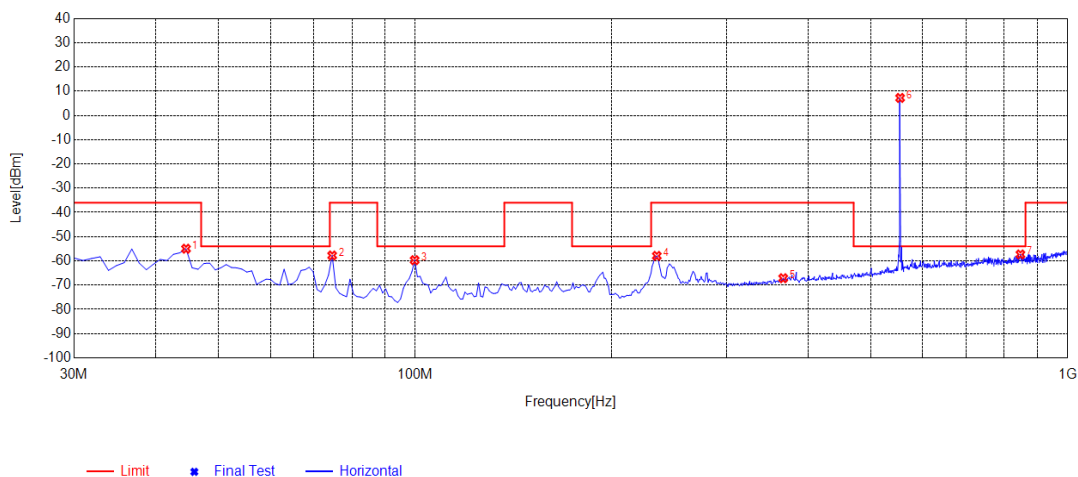


CH96

Emission outside the band 30-1000MHz

EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 553.510MHz	Polarization:	Horizontal



NO	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	44.5500	-89.37	-54.98	-36.00	18.98	34.39	141	Horizontal
2	74.6200	-85.50	-57.77	-36.00	21.77	27.73	276	Horizontal
3	99.8400	-84.33	-59.71	-54.00	5.71	24.62	74	Horizontal
4	234.6700	-89.04	-57.93	-36.00	21.93	31.11	234	Horizontal
5	366.5900	-100.75	-67.15	-36.00	31.15	33.60	183	Horizontal
6	553.8000	-31.01	7.21	-54.00	-61.21	38.22	217	Horizontal
7	846.7400	-100.54	-57.34	-54.00	3.34	43.20	284	Horizontal

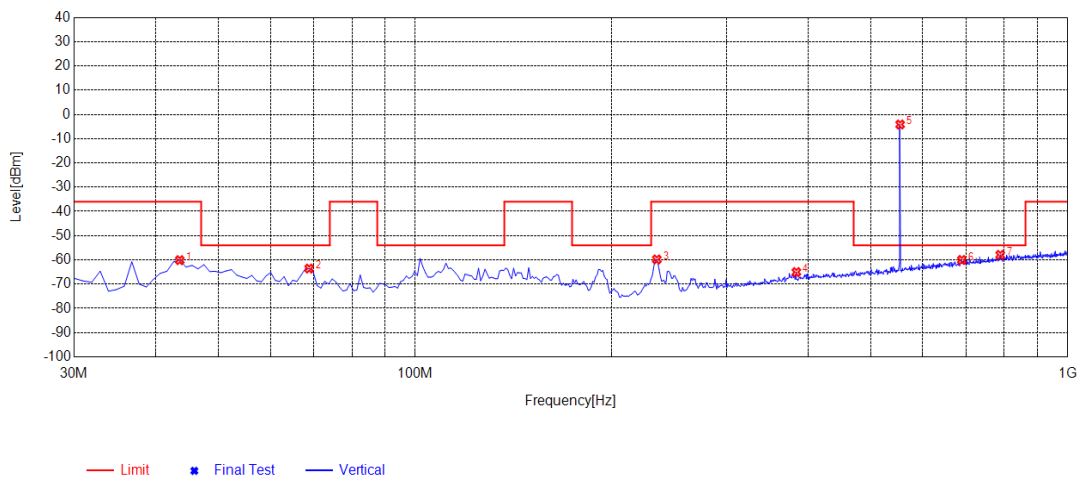
**RESULT: PASS**

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EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 553.510MHz	Polarization:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	43.5800	-88.85	-60.11	-36.00	24.11	28.74	200	Vertical
2	68.8000	-91.89	-63.58	-54.00	9.58	28.31	76	Vertical
3	234.6700	-88.52	-59.81	-36.00	23.81	28.71	1	Vertical
4	384.0500	-99.38	-65.04	-36.00	29.04	34.34	266	Vertical
5	553.8000	-41.80	-4.16	-54.00	-49.84	37.64	283	Vertical
6	688.6300	-100.30	-60.03	-54.00	6.03	40.27	92	Vertical
7	788.5400	-100.08	-57.93	-54.00	3.93	42.15	217	Vertical

**RESULT: PASS**

**Note:**

Factor=Antenna Factor + Cable loss, Margin=Limit–Level.

The “Factor” value can be calculated automatically by software of measurement system.

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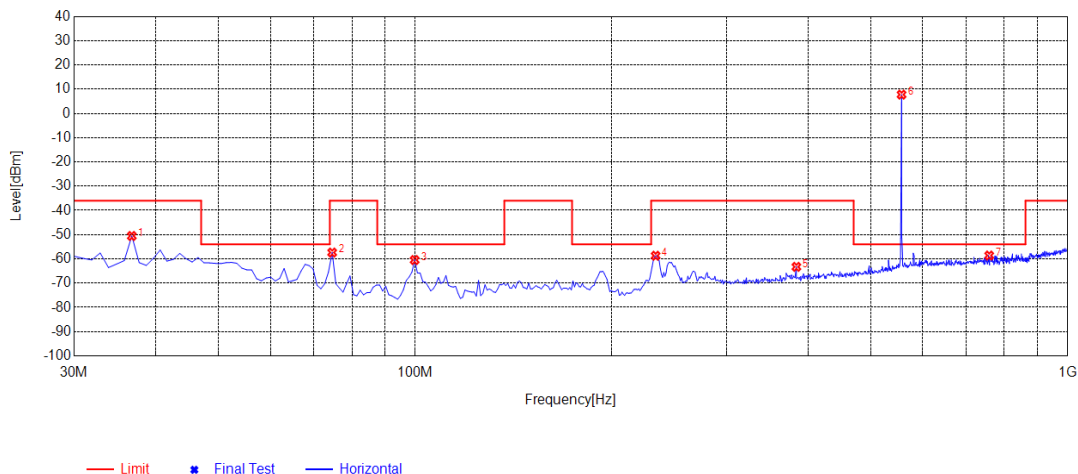


Group B

CH01

**Emission outside the band 30-1000MHz**

EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 556.510MHz	Polarization:	Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	36.7900	-85.40	-50.55	-36.00	14.55	34.85	4	Horizontal
2	74.6200	-85.11	-57.38	-36.00	21.38	27.73	12	Horizontal
3	99.8400	-85.09	-60.47	-54.00	6.47	24.62	153	Horizontal
4	233.7000	-89.64	-58.69	-36.00	22.69	30.95	252	Horizontal
5	384.0500	-97.31	-63.28	-36.00	27.28	34.03	86	Horizontal
6	556.7100	-30.58	7.75	-54.00	-61.75	38.33	219	Horizontal
7	758.4700	-100.66	-58.61	-54.00	4.61	42.05	318	Horizontal

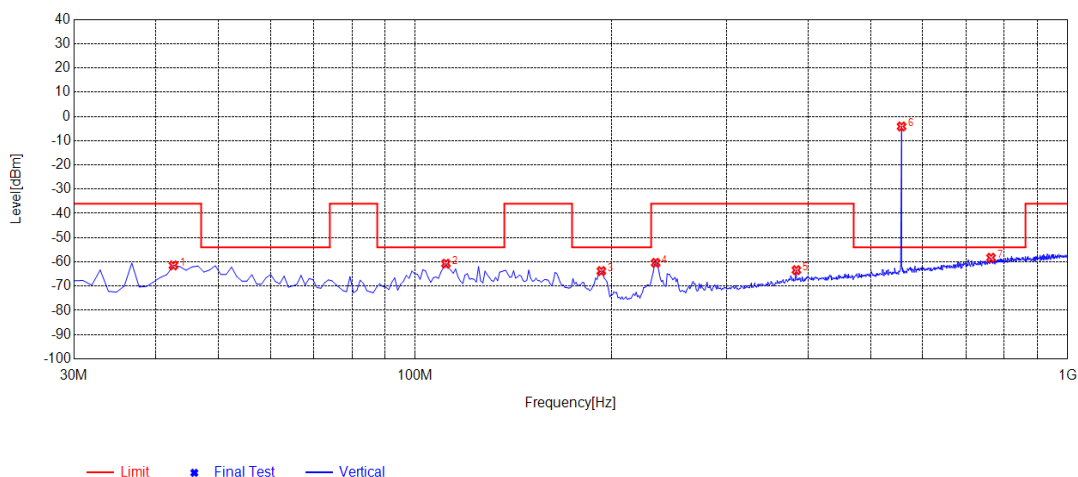
**RESULT: PASS**

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EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 556.510MHz	Polarization:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	42.6100	-90.03	-61.45	-36.00	25.45	28.58	286	Vertical
2	111.4800	-92.18	-60.75	-54.00	6.75	31.43	360	Vertical
3	192.9600	-92.00	-63.78	-54.00	9.78	28.22	318	Vertical
4	233.7000	-89.04	-60.40	-36.00	24.40	28.64	244	Vertical
5	384.0500	-97.73	-63.39	-36.00	27.39	34.34	269	Vertical
6	556.7100	-41.86	-4.15	-54.00	-49.85	37.71	286	Vertical
7	763.3200	-99.95	-58.28	-54.00	4.28	41.67	269	Vertical

**RESULT: PASS**

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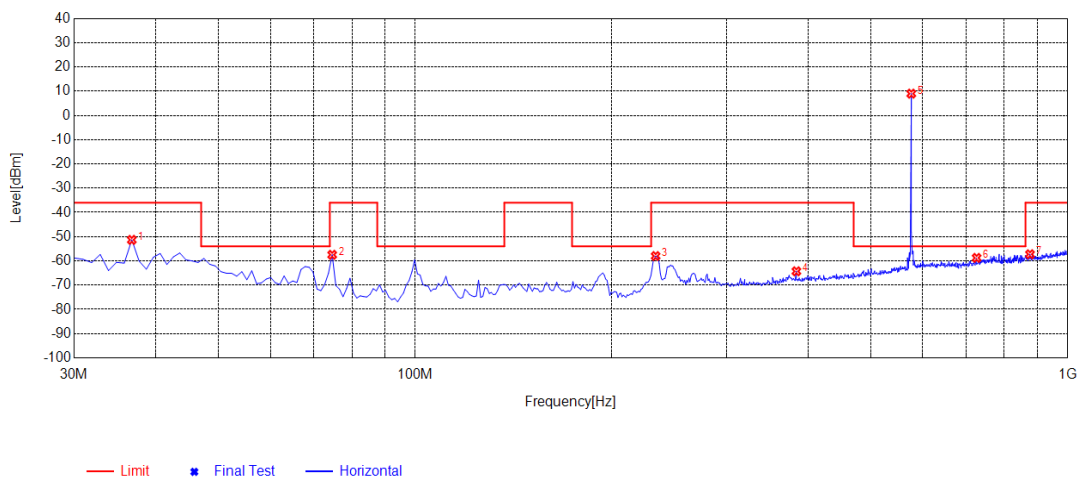
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CH48

Emission outside the band 30-1000MHz

EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 575.870MHz	Polarization:	Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	36.7900	-86.18	-51.33	-36.00	15.33	34.85	138	Horizontal
2	74.6200	-85.21	-57.48	-36.00	21.48	27.73	162	Horizontal
3	233.7000	-88.95	-58.00	-36.00	22.00	30.95	310	Horizontal
4	384.0500	-98.32	-64.29	-36.00	28.29	34.03	204	Horizontal
5	576.1100	-30.04	8.97	-54.00	-62.97	39.01	327	Horizontal
6	725.4900	-99.72	-58.76	-54.00	4.76	40.96	3	Horizontal
7	875.8400	-100.33	-57.27	-36.00	21.27	43.06	212	Horizontal

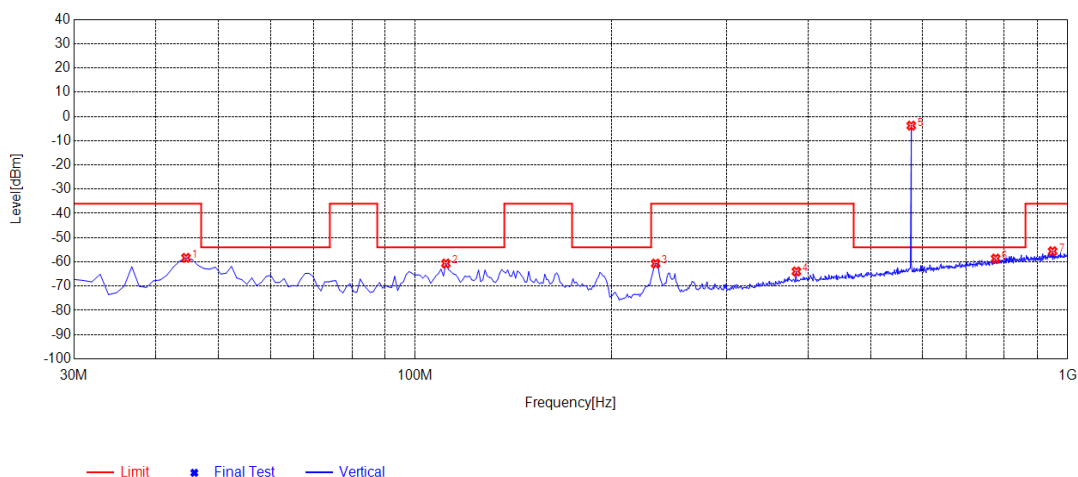
**RESULT: PASS**

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EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 575.870MHz	Polarization:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	44.5500	-87.25	-58.35	-36.00	22.35	28.90	158	Vertical
2	111.4800	-92.10	-60.67	-54.00	6.67	31.43	117	Vertical
3	233.7000	-89.33	-60.69	-36.00	24.69	28.64	308	Vertical
4	384.0500	-98.30	-63.96	-36.00	27.96	34.34	10	Vertical
5	576.1100	-41.97	-3.81	-54.00	-50.19	38.16	283	Vertical
6	775.9300	-100.53	-58.62	-54.00	4.62	41.91	333	Vertical
7	948.5900	-99.42	-55.61	-36.00	19.61	43.81	125	Vertical

**RESULT: PASS**

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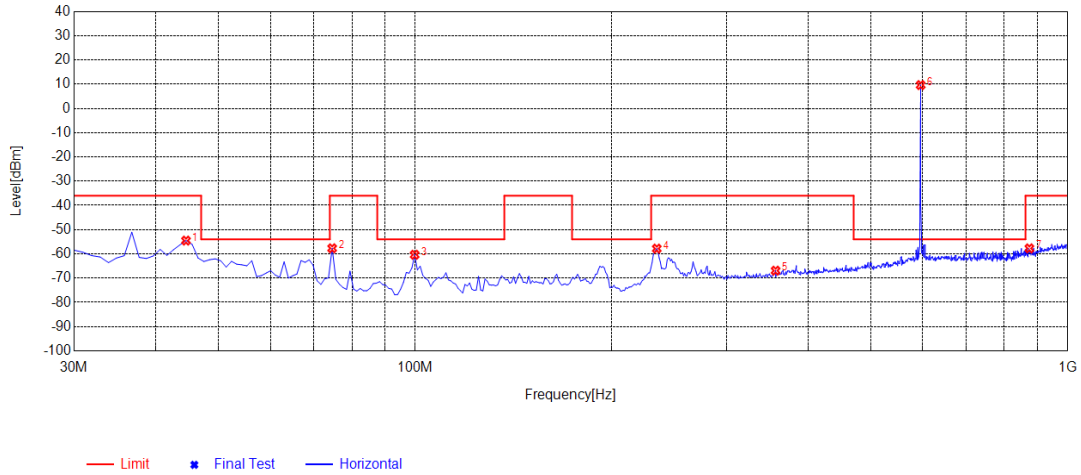
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CH96

Emission outside the band 30-1000MHz

EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 595.460MHz	Polarization:	Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	44.5500	-88.91	-54.52	-36.00	18.52	34.39	309	Horizontal
2	74.6200	-85.42	-57.69	-36.00	21.69	27.73	37	Horizontal
3	99.8400	-84.97	-60.35	-54.00	6.35	24.62	144	Horizontal
4	234.6700	-88.93	-57.82	-36.00	21.82	31.11	218	Horizontal
5	356.8900	-100.27	-66.91	-36.00	30.91	33.36	201	Horizontal
6	595.5100	-30.06	9.63	-54.00	-63.63	39.69	342	Horizontal
7	873.9000	-100.80	-57.73	-36.00	21.73	43.07	54	Horizontal

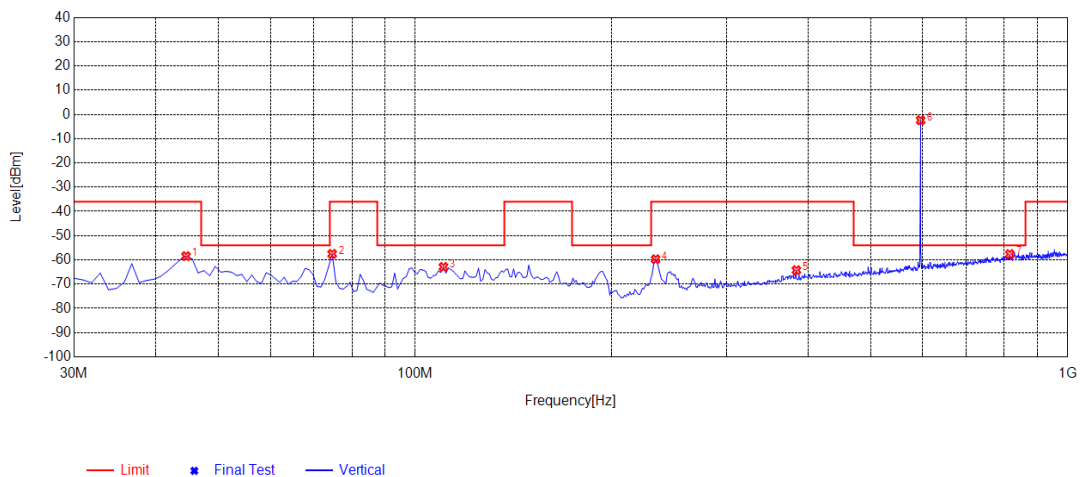
**RESULT: PASS**

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EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 595.460MHz	Polarization:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	44.5500	-87.37	-58.47	-36.00	22.47	28.90	217	Vertical
2	74.6200	-85.77	-57.53	-36.00	21.53	28.24	26	Vertical
3	110.5100	-94.17	-62.92	-54.00	8.92	31.25	1	Vertical
4	233.7000	-88.39	-59.75	-36.00	23.75	28.64	184	Vertical
5	384.0500	-98.60	-64.26	-36.00	28.26	34.34	109	Vertical
6	595.5100	-41.02	-2.41	-54.00	-51.59	38.61	275	Vertical
7	815.7000	-100.15	-57.63	-54.00	3.63	42.52	192	Vertical

**RESULT: PASS**

**Note:**

Factor=Antenna Factor + Cable loss, Margin=Limit-Level.

The "Factor" value can be calculated automatically by software of measurement system.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

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Group A

**Emission outside the band above 1000MHz**

EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 514.560MHz	Polarization:	Horizontal/Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Value Type
1029.120	-35.14	-4.02	-39.16	-30	-9.16	Horizontal
1029.120	-40.56	-4.02	-44.58	-30	-14.58	Vertical
1543.680	-39.12	-1.95	-41.07	-30	-11.07	Horizontal
1543.680	-40.54	-1.95	-42.49	-30	-12.49	Vertical

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 533.830MHz	Polarization:	Horizontal/Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Value Type
1067.660	-35.29	-4.02	-39.31	-30	-9.31	Horizontal
1067.660	-40.57	-4.02	-44.59	-30	-14.59	Vertical
1601.490	-39.13	-1.95	-41.08	-30	-11.08	Horizontal
1601.490	-40.53	-1.95	-42.48	-30	-12.48	Vertical

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 553.510MHz	Polarization:	Horizontal/Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Value Type
1107.020	-35.31	-4.02	-39.33	-30	-9.33	Horizontal
1107.020	-40.55	-4.02	-44.57	-30	-14.57	Vertical
1660.530	-39.16	-1.95	-41.11	-30	-11.11	Horizontal
1660.530	-40.51	-1.95	-42.46	-30	-12.46	Vertical
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

**RESULT: PASS**

**Note:**

Other emissions from 1G to 6 GHz are considered as ambient noise. No recording in the test report.  
The “Factor” value can be calculated automatically by software of measurement system.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the “Dedicated Testing/Inspection Stamp” is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

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Group B

**Emission outside the band above 1000MHz**

EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 556.510MHz	Polarization:	Horizontal/Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Value Type
1113.020	-35.33	-4.02	-39.35	-30	-9.35	Horizontal
1113.020	-40.54	-4.02	-44.56	-30	-14.56	Vertical
1669.530	-39.15	-1.95	-41.1	-30	-11.1	Horizontal
1669.530	-40.57	-1.95	-42.52	-30	-12.52	Vertical

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 575.870MHz	Polarization:	Horizontal/Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Value Type
1151.740	-35.27	-4.02	-39.29	-30	-9.29	Horizontal
1151.740	-40.55	-4.02	-44.57	-30	-14.57	Vertical
1727.610	-39.14	-1.95	-41.09	-30	-11.09	Horizontal
1727.610	-40.56	-1.95	-42.51	-30	-12.51	Vertical

Remark:  
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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EUT:	UHF Wireless Microphone System	Model Name:	UwMic9 HU9
Temperature:	25°C	Relative Humidity:	60%
Pressure:	986 Pa	Test Voltage:	Normal
Test Mode:	Transmitting at 595.460MHz	Polarization:	Horizontal/Vertical

Frequency (MHz)	Meter Reading (dBm)	Factor (dB)	Emission Level (dBm)	Limits (dBm)	Margin (dB)	Value Type
1190.920	-35.34	-4.02	-39.36	-30	-9.36	Horizontal
1190.920	-40.53	-4.02	-44.55	-30	-14.55	Vertical
1786.380	-39.17	-1.95	-41.12	-30	-11.12	Horizontal
1786.380	-40.55	-1.95	-42.5	-30	-12.5	Vertical
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

**RESULT: PASS**

**Note:**

Other emissions from 1G to 6 GHz are considered as ambient noise. No recording in the test report.  
The “Factor” value can be calculated automatically by software of measurement system.

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## 11. LINE CONDUCTED EMISSION TEST

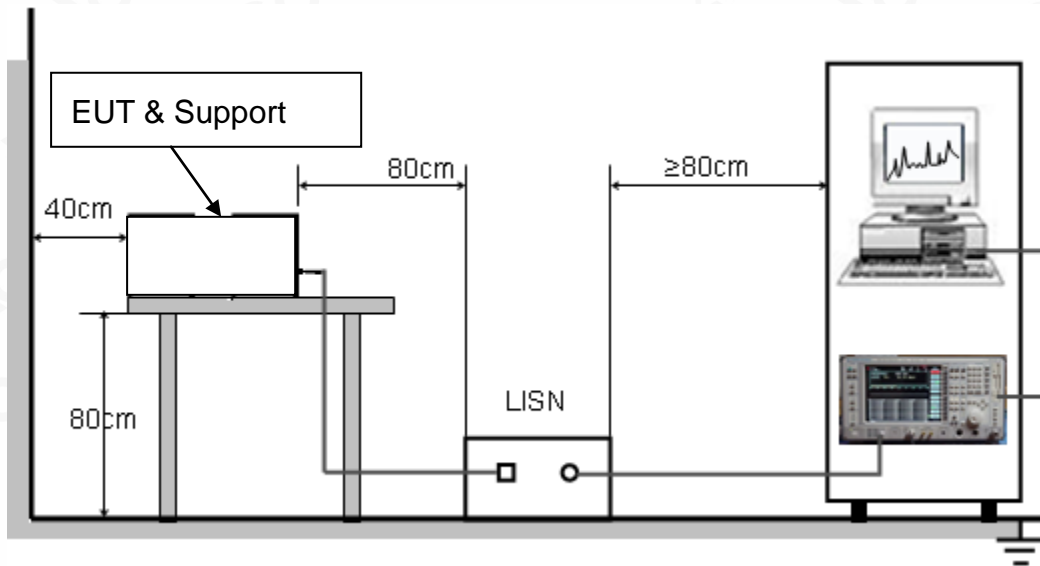
### 11.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P. (dB $\mu$ V)	Average (dB $\mu$ V)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

### 11.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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### 11.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipment received AC120V/60Hz power from a LISN, if any.
5. The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### 11.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

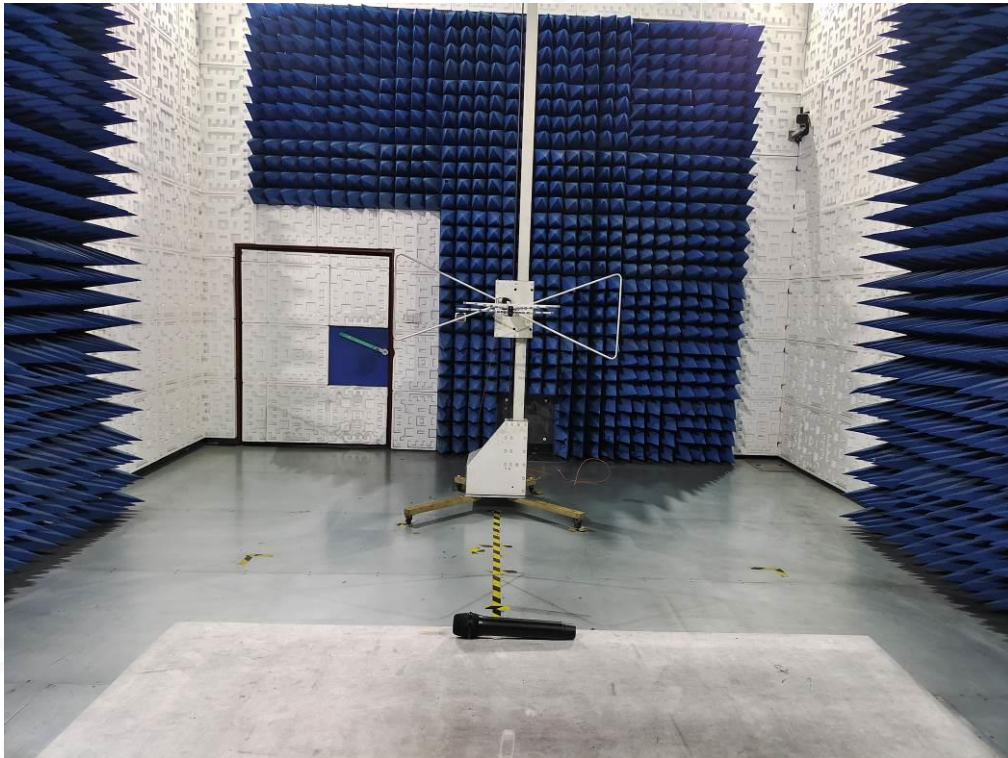
### 11.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

N/A

Note: The conducted emission tests at AC port are not required for devices which only employ battery power for operation.



### APPENDIX A: PHOTOGRAPHS OF TEST SETUP RADIATED EMISSION TEST SETUP BELOW 1GHZ



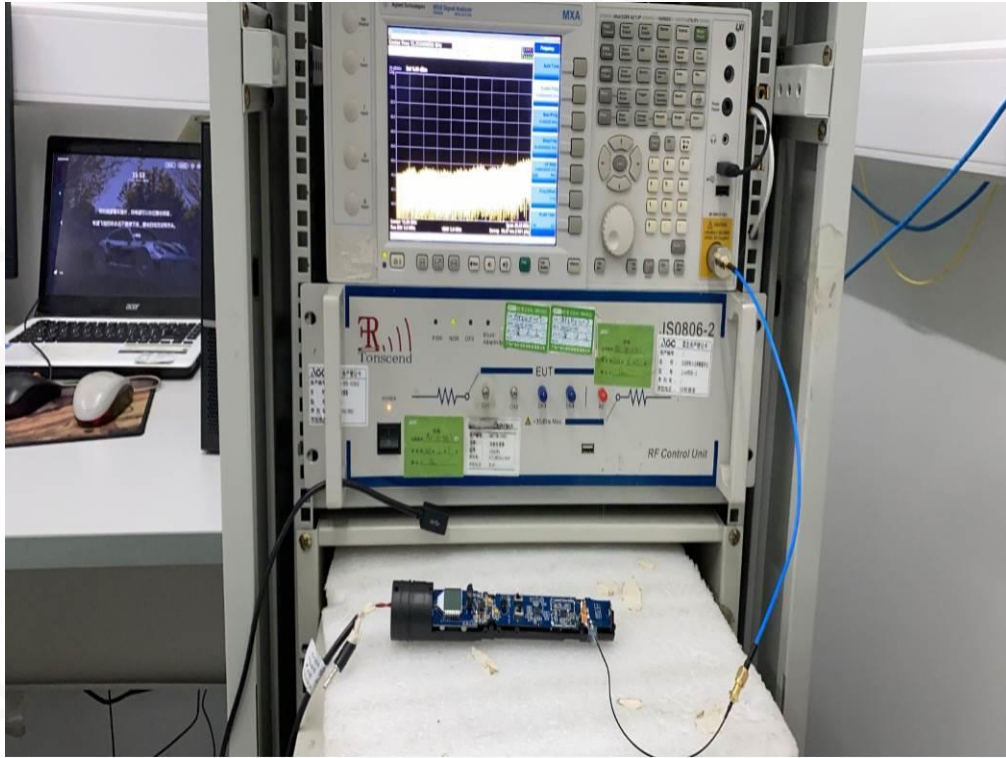
RADIATED EMISSION TEST SETUP ABOVE 1GHZ



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### CONDUCTED TEST SETUP



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**APPENDIX B: PHOTOGRAPHS OF EUT**  
ALL VIEW OF EUT



**OUTSIDE VIEW-1 OF EUT**



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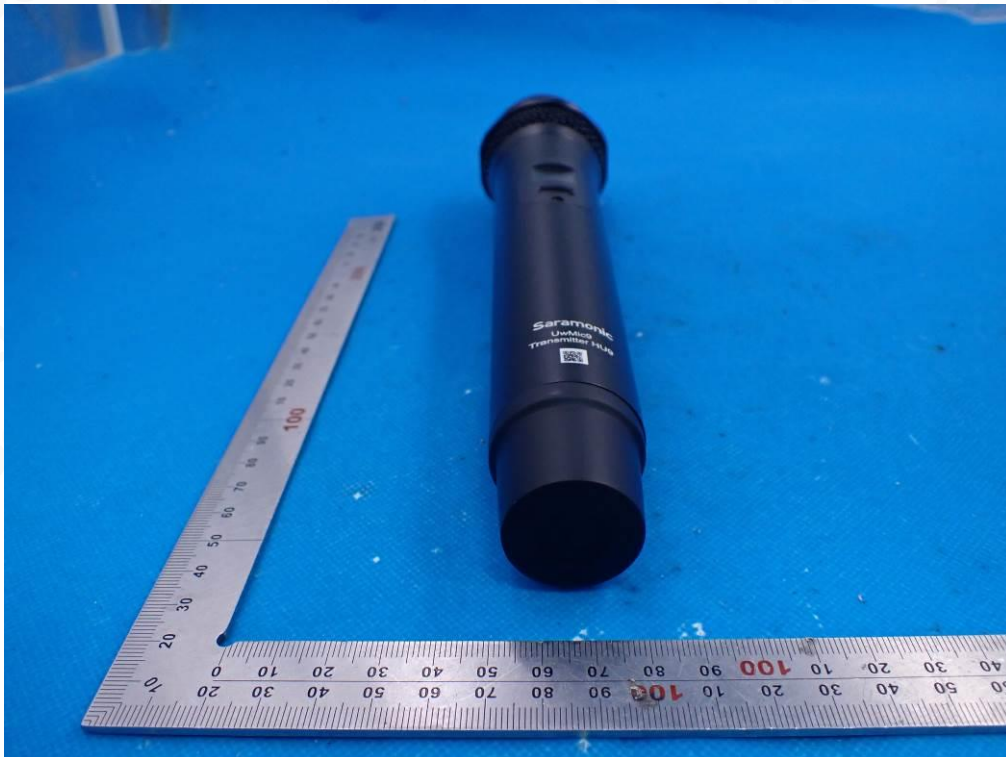
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OUTSIDE VIEW-2 OF EUT



OUTSIDE VIEW-3 OF EUT



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OUTSIDE VIEW-4 OF EUT



OUTSIDE VIEW-5 OF EUT



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OUTSIDE VIEW-6 OF EUT



OPEN VIEW-1 OF EUT

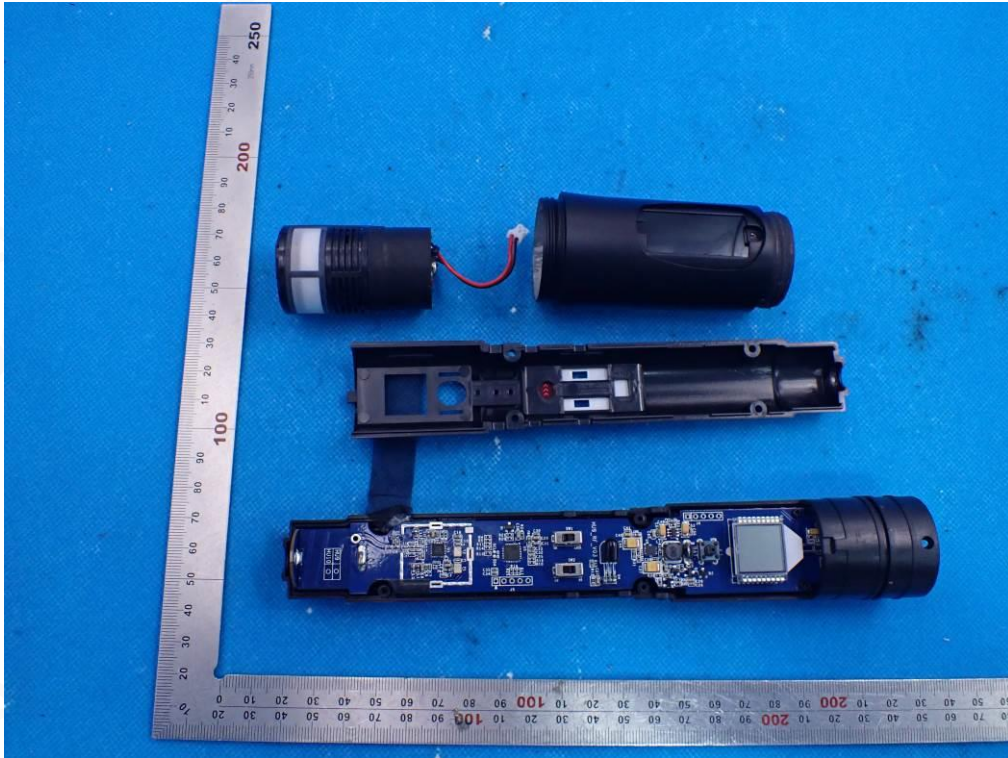


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OPEN VIEW-2 OF EUT



OPEN VIEW-3 OF EUT

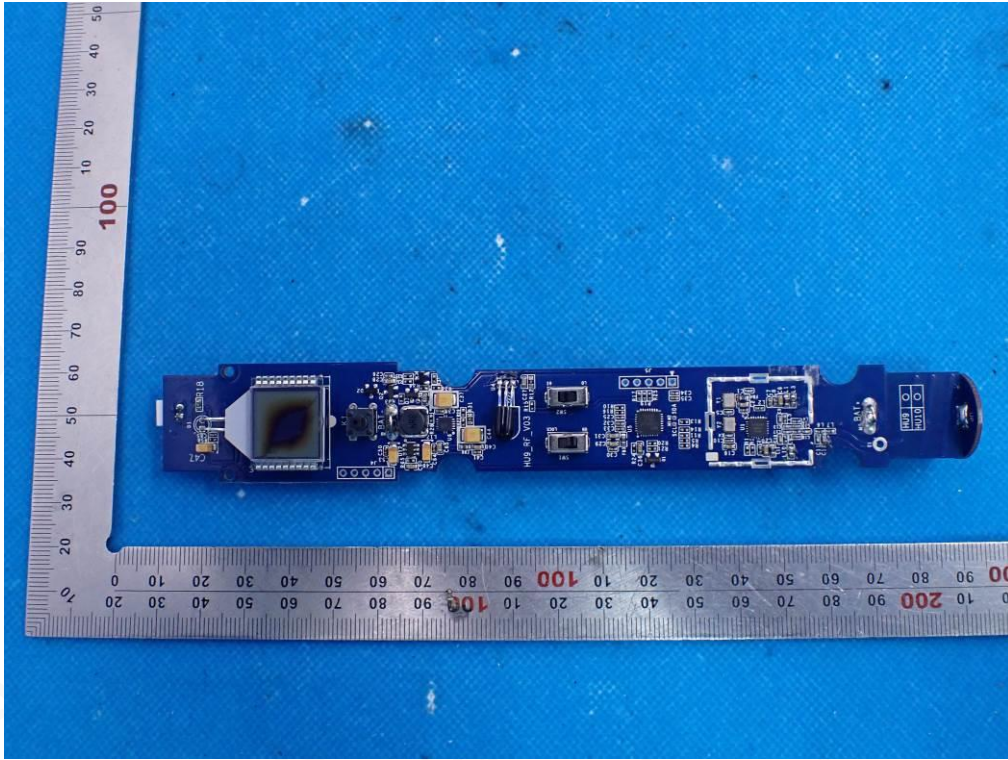


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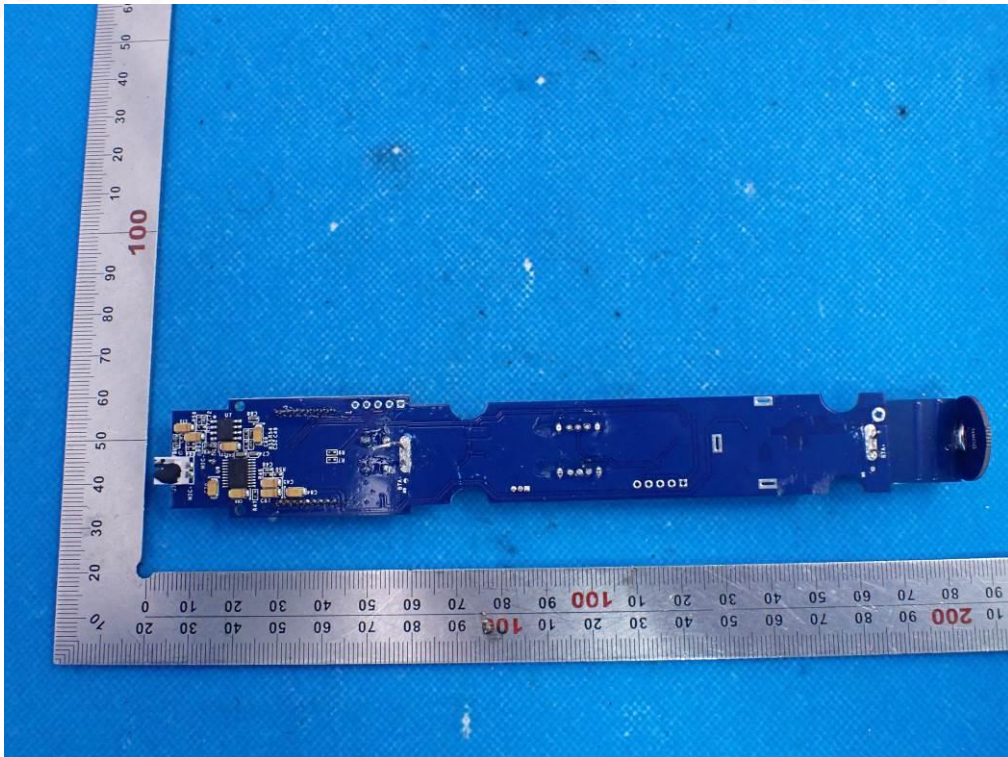
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INTERNAL VIEW-1 OF EUT



INTERNAL VIEW-2 OF EUT

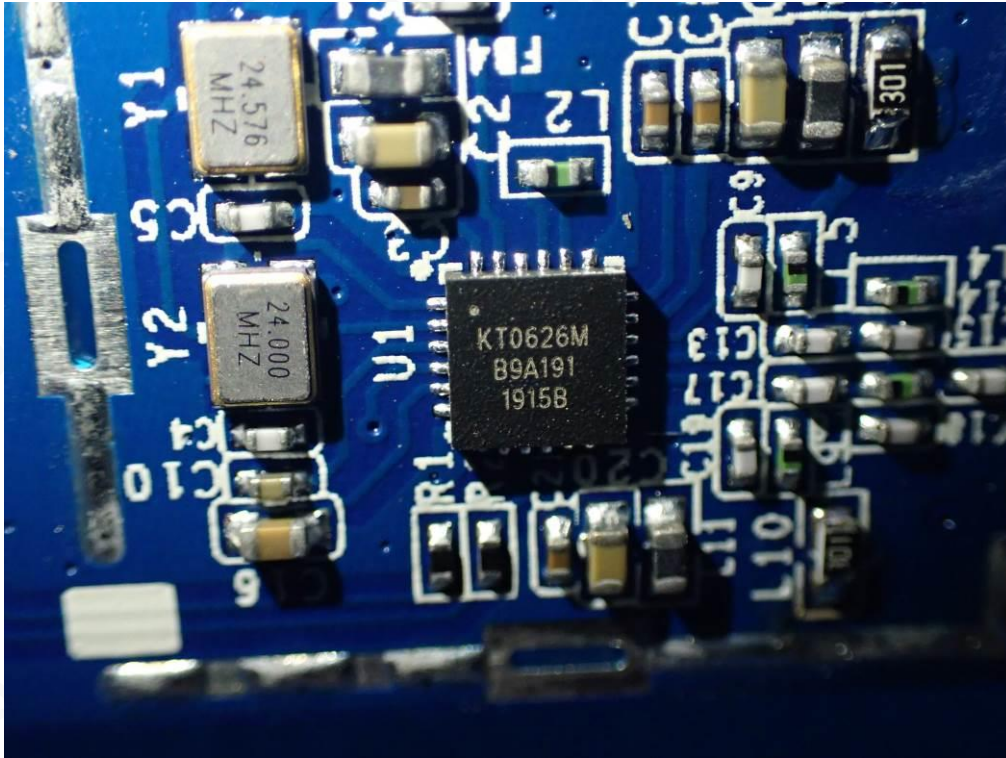


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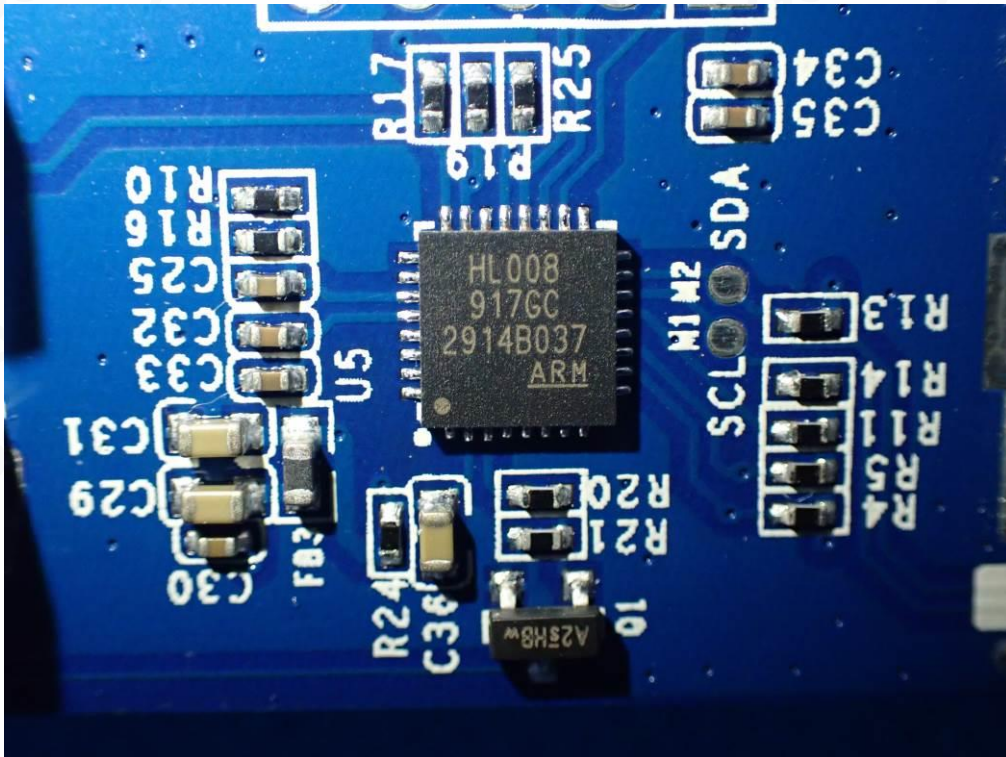
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INTERNAL VIEW-3 OF EUT



INTERNAL VIEW-4 OF EUT

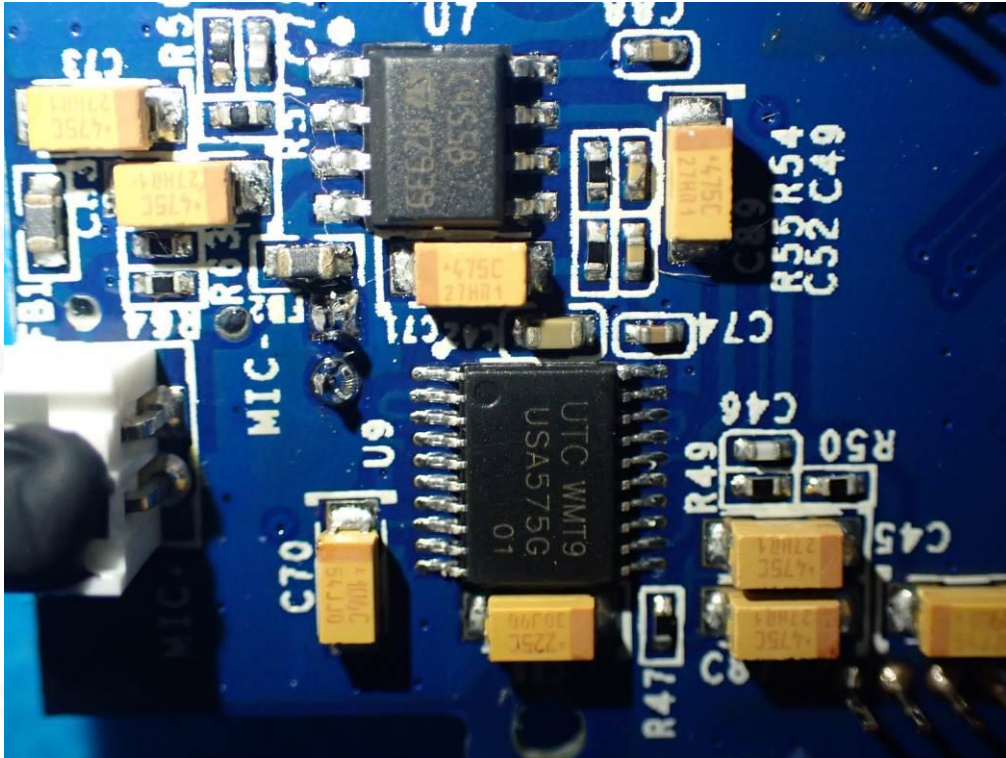


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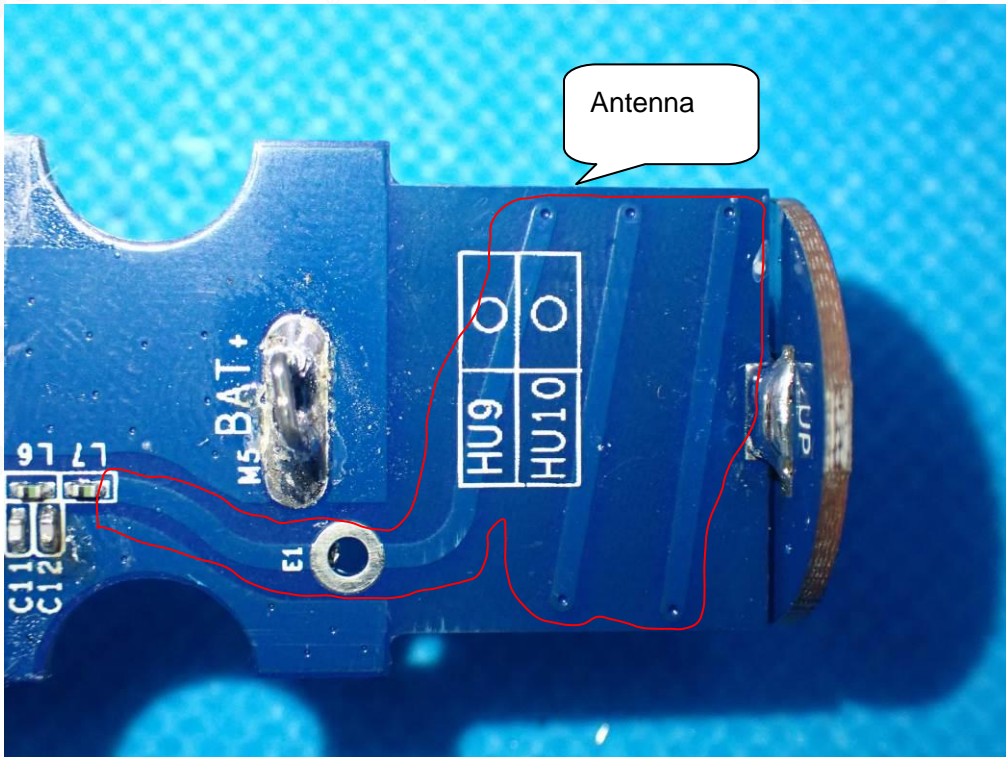
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INTERNAL VIEW-5 OF EUT



INTERNAL VIEW-6 OF EUT



----END OF REPORT----

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2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.
5. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
6. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
7. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
8. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
9. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
10. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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