

| | |
|-------------------|--|
| | <ul style="list-style-type: none"> 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. |
| Test Instruments: | Refer to section 6.0 for details |
| Test mode: | Refer to section 5.2 for details |
| Test results: | Pass |

Measurement data:

Remark:

1. During the test, pre-scan the GFSK, Pi/4QPSK, 8-DPSK modulation, and found the 8-DPSK modulation which it is worse case.
2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

■ 9 kHz ~ 30 MHz

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.



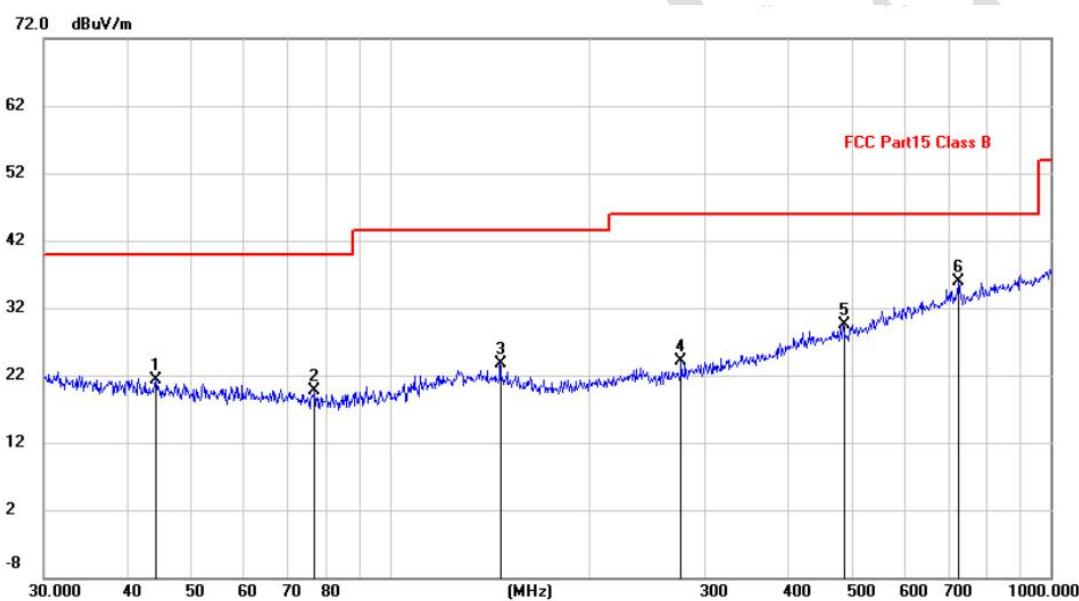
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■ Below 1GHz

| | | | |
|-----------------|-----------------|---------------|-------------|
| EUT: | Haylou-GT1 PLUS | Polarization: | Horizontal |
| Model: | Haylou-GT1 PLUS | Power Source: | AC120V/60Hz |
| Mode: | BT mode | Test by: | Eason |
| Temp./Hum.(%H): | 26°C/52%RH | | |
| Note: | | | |



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Over Detector |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|------------------|
| 1 | | 44.2752 | -3.07 | 24.38 | 21.31 | 40.00 | -18.69 | QP |
| 2 | | 77.0505 | -0.06 | 19.70 | 19.64 | 40.00 | -20.36 | QP |
| 3 | | 146.8877 | 0.51 | 23.28 | 23.79 | 43.50 | -19.71 | QP |
| 4 | | 276.1235 | 0.86 | 23.23 | 24.09 | 46.00 | -21.91 | QP |
| 5 | | 485.6093 | 0.76 | 28.72 | 29.48 | 46.00 | -16.52 | QP |
| 6 | * | 726.8052 | 2.79 | 33.15 | 35.94 | 46.00 | -10.06 | QP |

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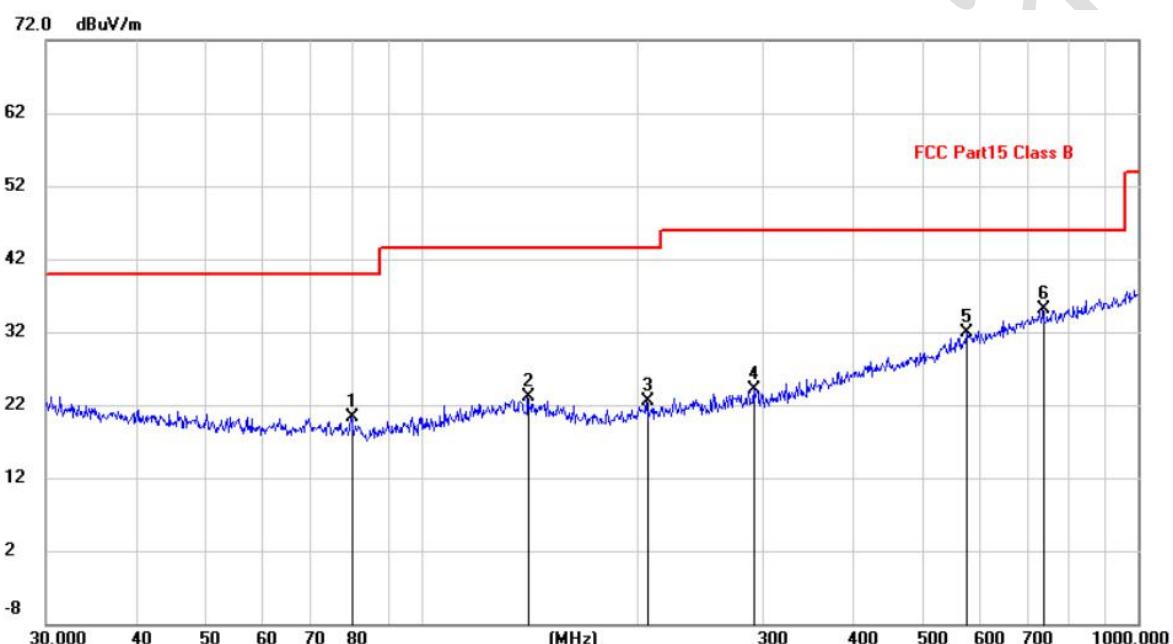


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| | | | |
|-----------------|-----------------|---------------|-------------|
| EUT: | Haylou-GT1 PLUS | Polarization: | Vertical |
| Model: | Haylou-GT1 PLUS | Power Source: | AC120V/60Hz |
| Mode: | BT mode | Test by: | Eason |
| Temp./Hum.(%H): | 26°C/52%RH | | |
| Note: | | | |



| No. | Mk. | Freq. | Reading | Correct | Measure- | Limit | Over |
|-----|-----|----------|---------|---------|----------|--------|-----------|
| | | | Level | Factor | ment | | |
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB |
| 1 | | 79.8003 | 1.28 | 19.12 | 20.40 | 40.00 | -19.60 QP |
| 2 | | 140.8351 | -0.19 | 23.30 | 23.11 | 43.50 | -20.39 QP |
| 3 | | 206.3976 | 1.93 | 20.50 | 22.43 | 43.50 | -21.07 QP |
| 4 | | 291.0360 | 0.64 | 23.56 | 24.20 | 46.00 | -21.80 QP |
| 5 | | 576.6443 | 1.10 | 30.71 | 31.81 | 46.00 | -14.19 QP |
| 6 | * | 737.0714 | 1.74 | 33.32 | 35.06 | 46.00 | -10.94 QP |

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Above 1GHz

| | |
|---------------|--------|
| Test channel: | Lowest |
|---------------|--------|

Peak value:

| Frequency (MHz) | Read Level (dBuV) | Correct factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|----------------|---------------------|-----------------|--------------|
| 4804.00 | 56.44 | -7.47 | 48.97 | 74.00 | -25.03 | Vertical |
| 7206.00 | 58.88 | -2.45 | 56.43 | 74.00 | -17.57 | Vertical |
| 9608.00 | 57.48 | -2.37 | 55.11 | 74.00 | -18.89 | Vertical |
| 12010.00 | * | * | * | 74.00 | * | Vertical |
| 14412.00 | * | * | * | 74.00 | * | Vertical |
| 4804.00 | 57.58 | -7.47 | 50.11 | 74.00 | -23.89 | Horizontal |
| 7206.00 | 55.63 | -2.45 | 53.18 | 74.00 | -20.82 | Horizontal |
| 9608.00 | 56.79 | -2.37 | 54.42 | 74.00 | -19.58 | Horizontal |
| 12010.00 | * | * | * | 74.00 | * | Horizontal |
| 14412.00 | * | * | * | 74.00 | * | Horizontal |

Average value:

| Frequency (MHz) | Read Level (dBuV) | Correct factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|----------------|---------------------|-----------------|--------------|
| 4804.00 | 49.26 | -7.47 | 41.79 | 54.00 | -12.21 | Vertical |
| 7206.00 | 44.18 | -2.45 | 41.73 | 54.00 | -12.27 | Vertical |
| 9608.00 | 47.62 | -2.37 | 45.25 | 54.00 | -8.75 | Vertical |
| 12010.00 | * | * | * | 54.00 | * | Vertical |
| 14412.00 | * | * | * | 54.00 | * | Vertical |
| 4804.00 | 49.66 | -7.47 | 42.19 | 54.00 | -11.81 | Horizontal |
| 7206.00 | 47.69 | -2.45 | 45.24 | 54.00 | -8.76 | Horizontal |
| 9608.00 | 45.67 | -2.37 | 43.30 | 54.00 | -10.70 | Horizontal |
| 12010.00 | * | * | * | 54.00 | * | Horizontal |
| 14412.00 | * | * | * | 54.00 | * | Horizontal |

Remark:

1. Final Level = Receiver Read level + Correct factor
2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor
3. "", means this data is the too weak instrument of signal is unable to test.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

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| | |
|---------------|--------|
| Test channel: | Middle |
|---------------|--------|

Peak value:

| Frequency (MHz) | Read Level (dBuV) | Correct factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|----------------|---------------------|-----------------|--------------|
| 4882.00 | 54.15 | -7.47 | 46.68 | 74.00 | -27.32 | Vertical |
| 7323.00 | 56.92 | -2.45 | 54.47 | 74.00 | -19.53 | Vertical |
| 9764.00 | 55.82 | -2.37 | 53.45 | 74.00 | -20.55 | Vertical |
| 12205.00 | * | * | * | 74.00 | * | Vertical |
| 14646.00 | * | * | * | 74.00 | * | Vertical |
| 4882.00 | 55.10 | -7.47 | 47.63 | 74.00 | -26.37 | Horizontal |
| 7323.00 | 54.25 | -2.45 | 51.80 | 74.00 | -22.2 | Horizontal |
| 9764.00 | 57.13 | -2.37 | 54.76 | 74.00 | -19.24 | Horizontal |
| 12205.00 | * | * | * | 74.00 | * | Horizontal |
| 14646.00 | * | * | * | 74.00 | * | Horizontal |

Average value:

| Frequency (MHz) | Read Level (dBuV) | Correct factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|----------------|---------------------|-----------------|--------------|
| 4882.00 | 48.25 | -7.47 | 40.78 | 54.00 | -13.22 | Vertical |
| 7323.00 | 45.26 | -2.45 | 42.81 | 54.00 | -11.19 | Vertical |
| 9764.00 | 44.74 | -2.37 | 42.37 | 54.00 | -11.63 | Vertical |
| 12205.00 | * | * | * | 54.00 | * | Vertical |
| 14646.00 | * | * | * | 54.00 | * | Vertical |
| 4882.00 | 49.70 | -7.47 | 42.23 | 54.00 | -11.77 | Horizontal |
| 7323.00 | 46.23 | -2.45 | 43.78 | 54.00 | -10.22 | Horizontal |
| 9764.00 | 48.16 | -2.37 | 45.79 | 54.00 | -8.21 | Horizontal |
| 12205.00 | * | * | * | 54.00 | * | Horizontal |
| 14646.00 | * | * | * | 54.00 | * | Horizontal |

Remark:

1. Final Level = Receiver Read level + Correct factor
2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor
3. "", means this data is the too weak instrument of signal is unable to test.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.



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| | |
|---------------|---------|
| Test channel: | Highest |
|---------------|---------|

Peak value:

| Frequency (MHz) | Read Level (dBuV) | Correct factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|----------------|---------------------|-----------------|--------------|
| 4960.00 | 51.96 | -7.47 | 44.49 | 74.00 | -29.51 | Vertical |
| 7440.00 | 57.80 | -2.45 | 55.35 | 74.00 | -18.65 | Vertical |
| 9920.00 | 56.34 | -2.37 | 53.97 | 74.00 | -20.03 | Vertical |
| 12400.00 | * | * | * | 74.00 | * | Vertical |
| 14880.00 | * | * | * | 74.00 | * | Vertical |
| 4960.00 | 55.61 | -7.47 | 48.14 | 74.00 | -25.86 | Horizontal |
| 7440.00 | 55.99 | -2.45 | 53.54 | 74.00 | -20.46 | Horizontal |
| 9920.00 | 57.58 | -2.37 | 55.21 | 74.00 | -18.79 | Horizontal |
| 12400.00 | * | * | * | 74.00 | * | Horizontal |
| 14880.00 | * | * | * | 74.00 | * | Horizontal |

Average value:

| Frequency (MHz) | Read Level (dBuV) | Correct factor (dB/m) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
|-----------------|-------------------|-----------------------|----------------|---------------------|-----------------|--------------|
| 4960.00 | 43.52 | -7.47 | 36.05 | 54.00 | -17.95 | Vertical |
| 7440.00 | 45.62 | -2.45 | 43.17 | 54.00 | -10.83 | Vertical |
| 9920.00 | 47.89 | -2.37 | 45.52 | 54.00 | -8.48 | Vertical |
| 12400.00 | * | * | * | 54.00 | * | Vertical |
| 14880.00 | * | * | * | 54.00 | * | Vertical |
| 4960.00 | 49.62 | -7.47 | 42.15 | 54.00 | -11.85 | Horizontal |
| 7440.00 | 43.66 | -2.45 | 41.21 | 54.00 | -12.79 | Horizontal |
| 9920.00 | 48.56 | -2.37 | 46.19 | 54.00 | -7.81 | Horizontal |
| 12400.00 | * | * | * | 54.00 | * | Horizontal |
| 14880.00 | * | * | * | 54.00 | * | Horizontal |

Remark:

1. Final Level = Receiver Read level + Correct factor
2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor
3. **, means this data is the too weak instrument of signal is unable to test.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

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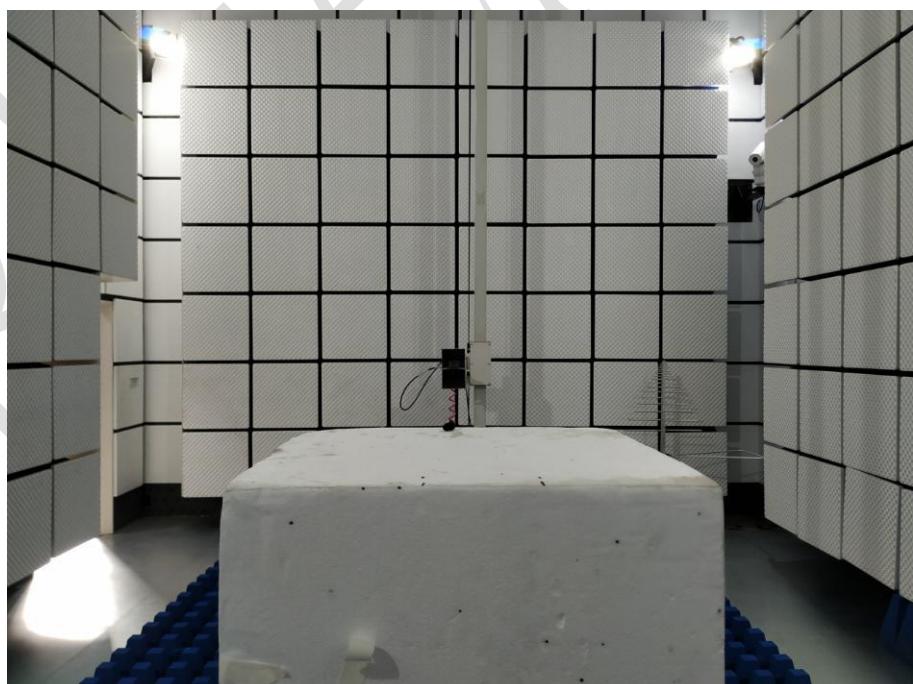
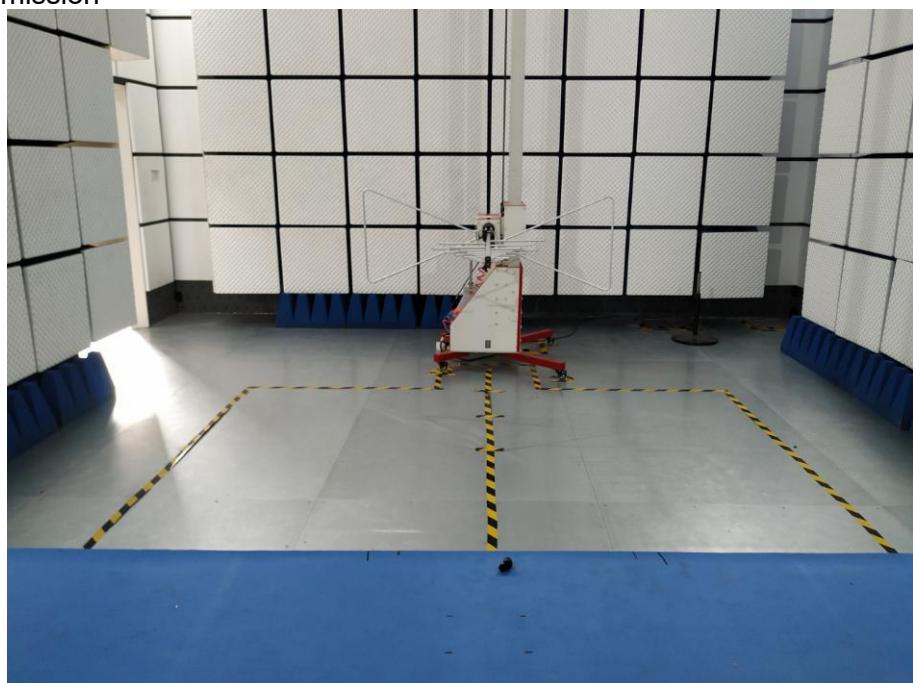
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8 Test Setup Photo

Radiated Emission



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Conducted Emission



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9 EUT Constructional Details



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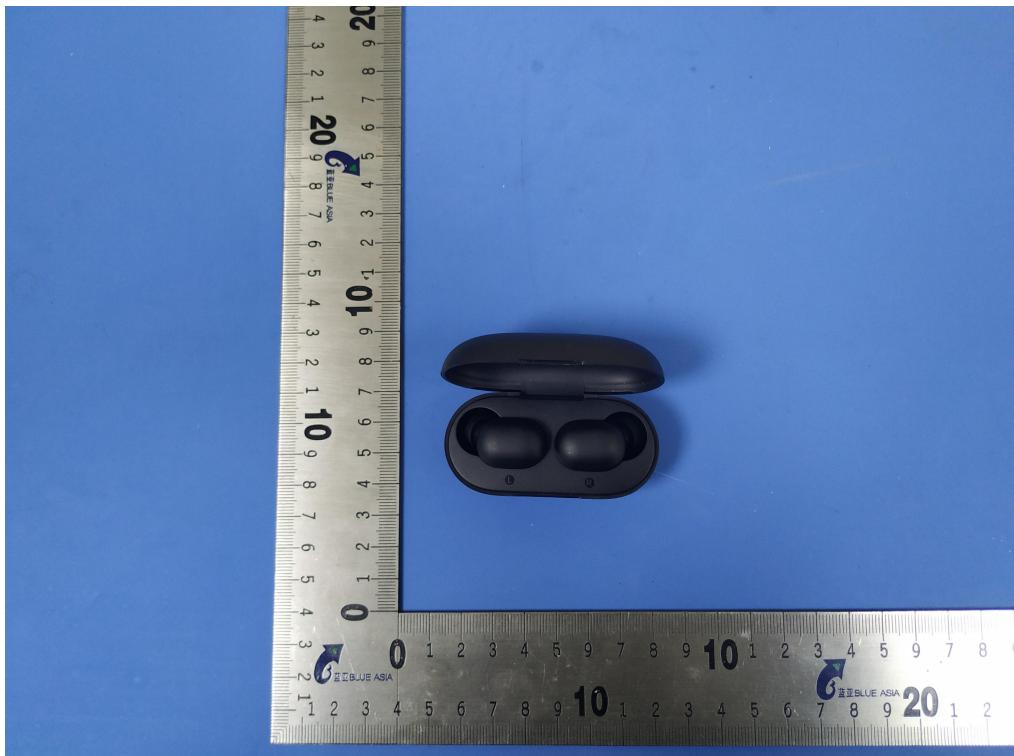
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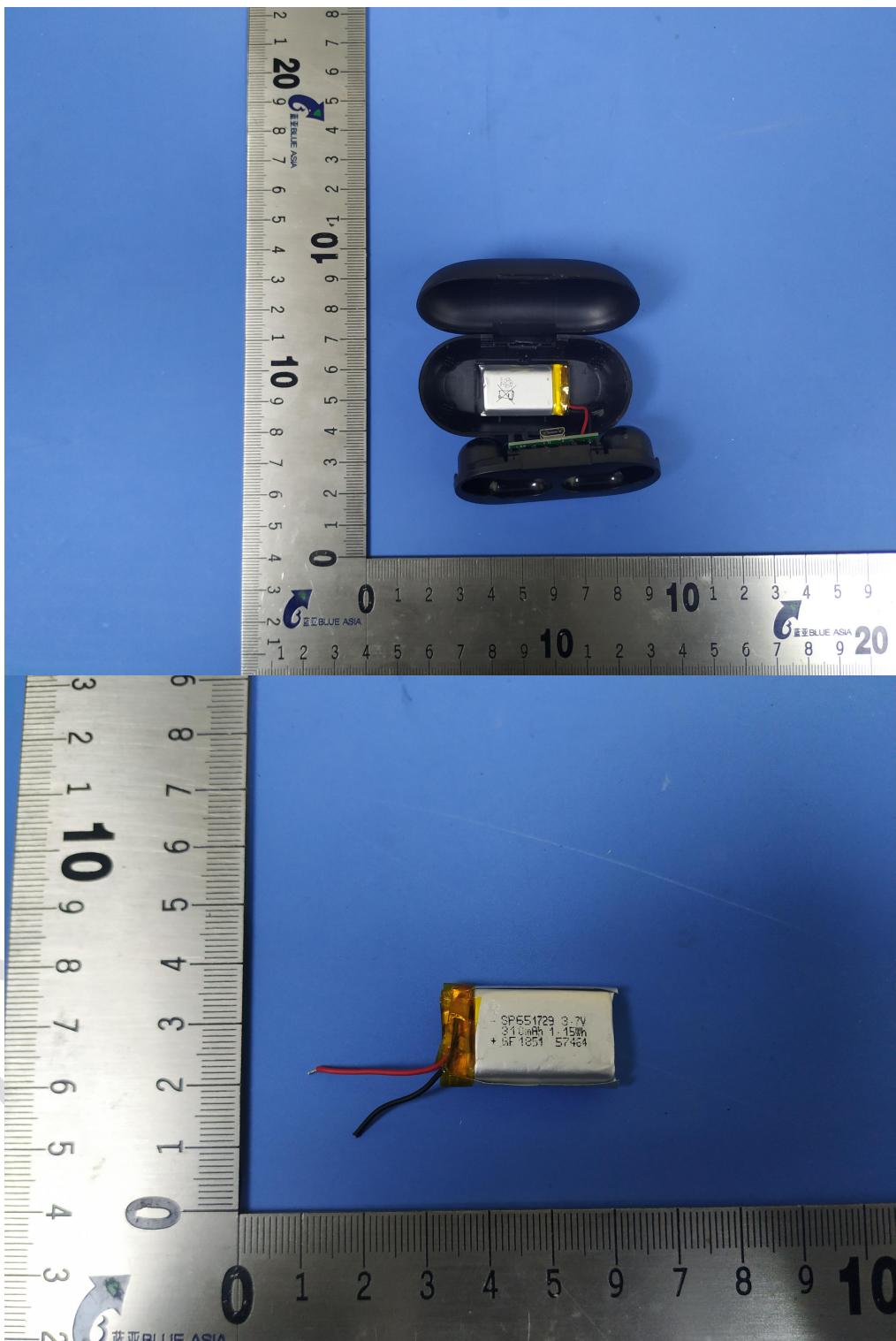
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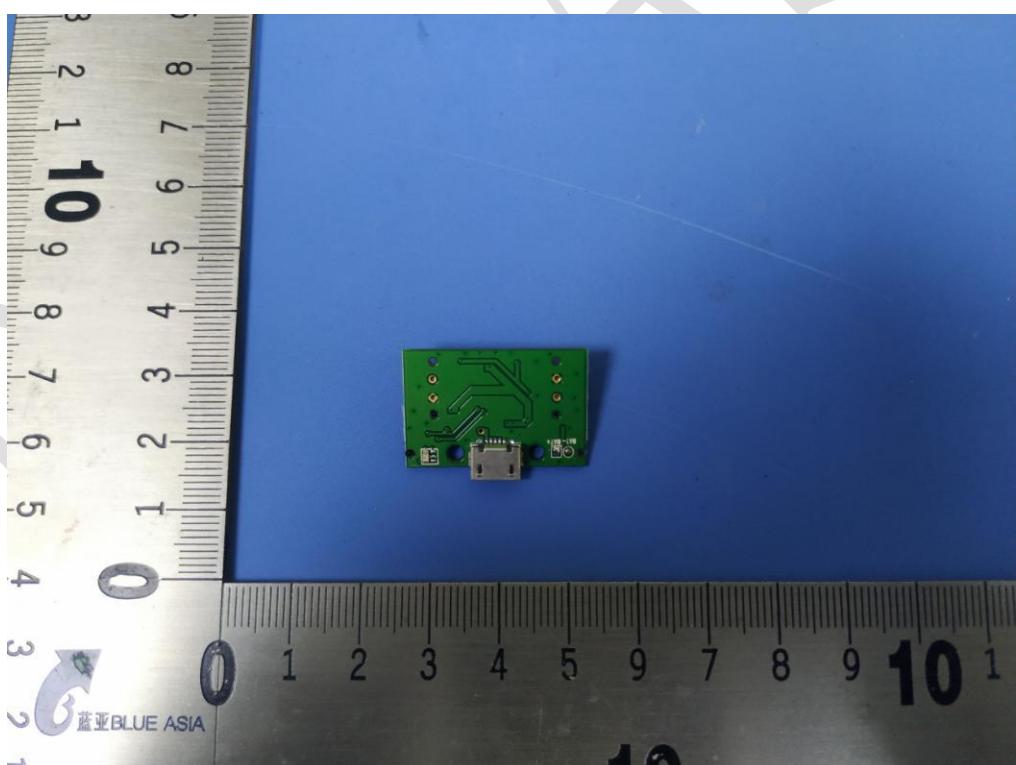
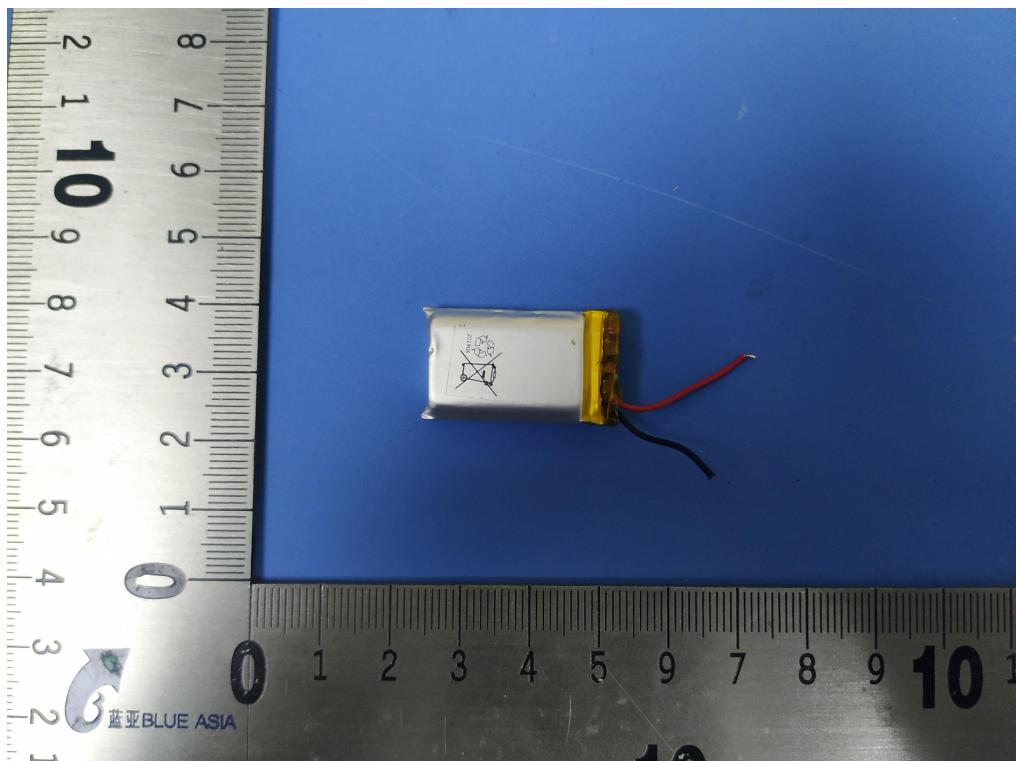
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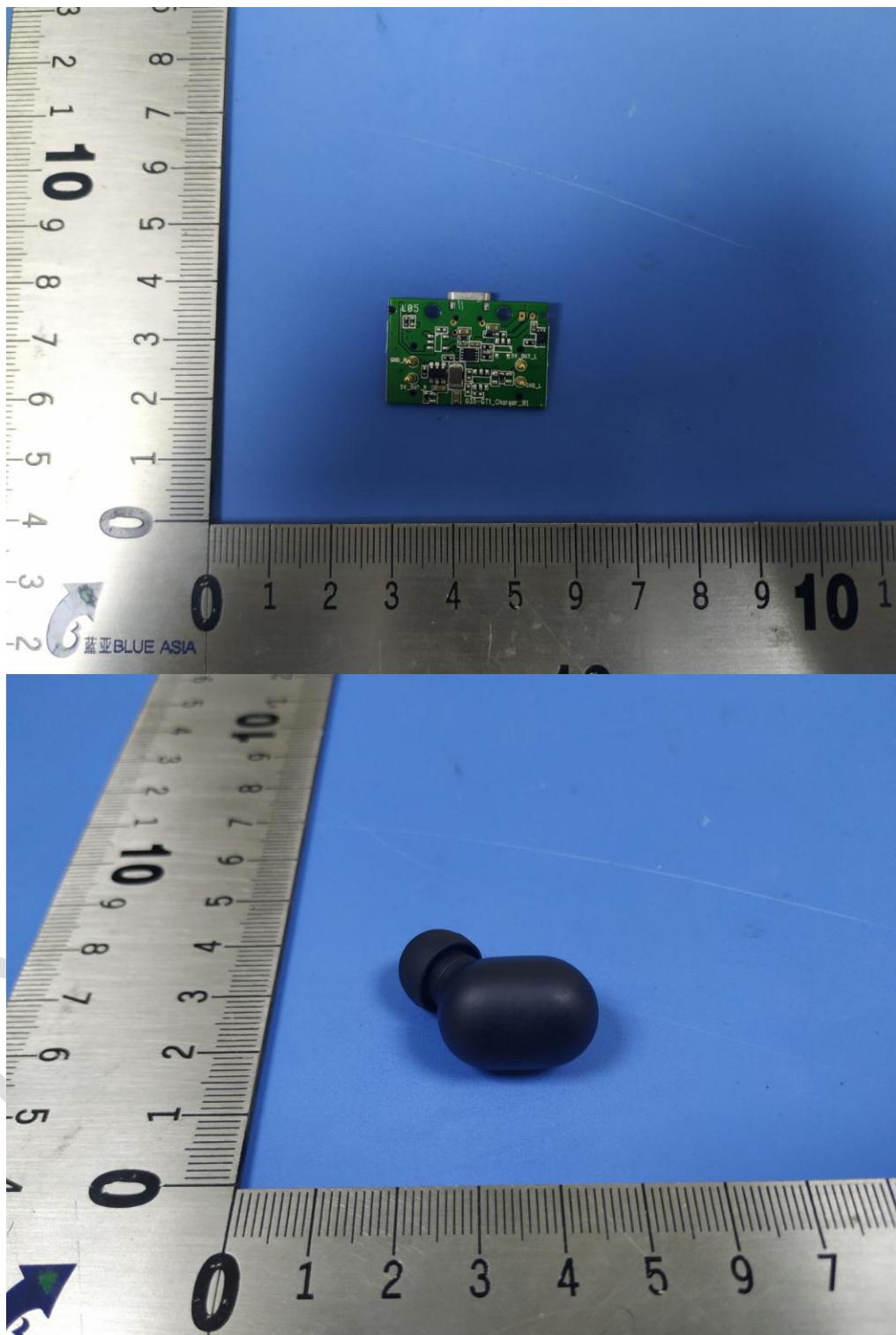
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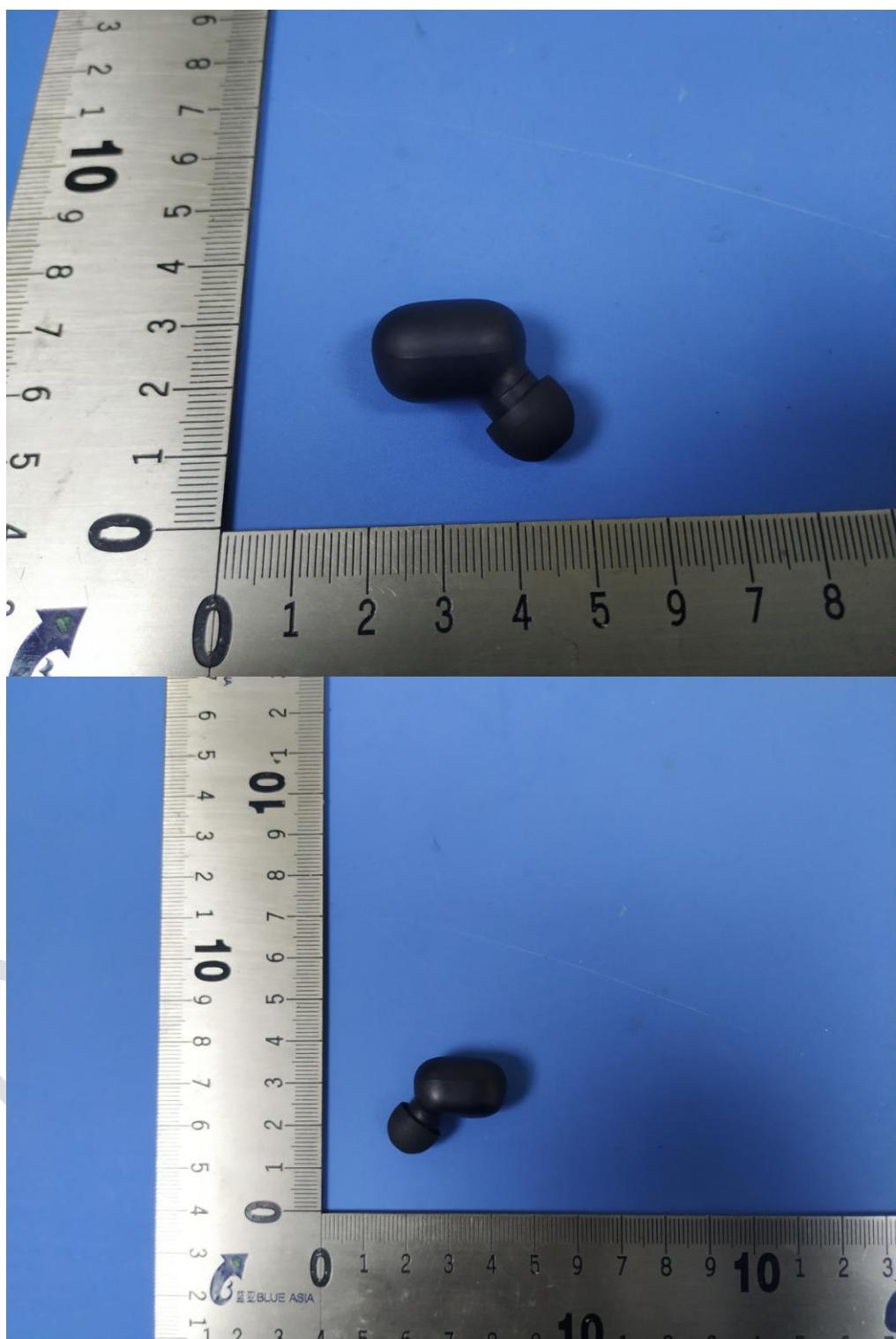
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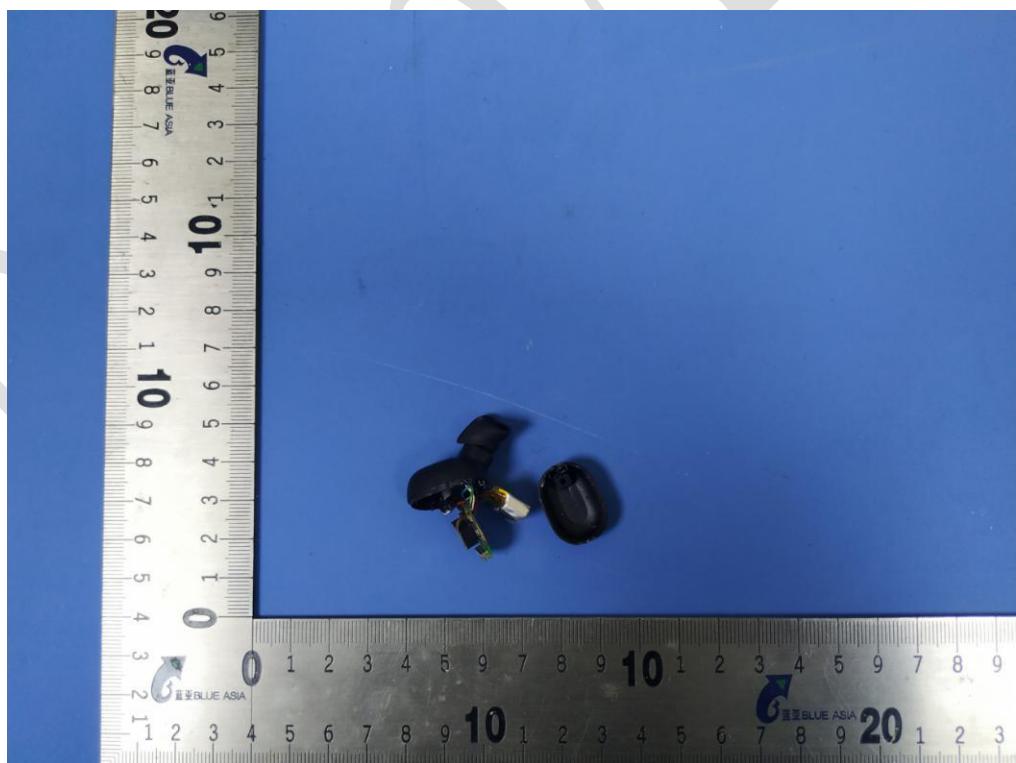
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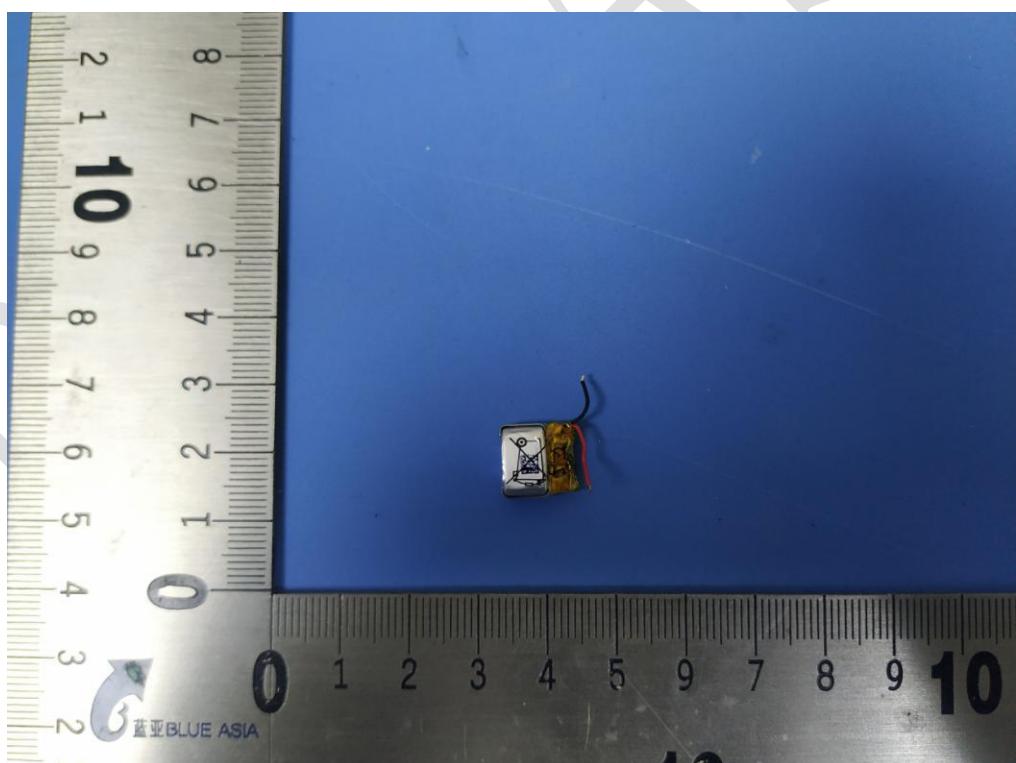
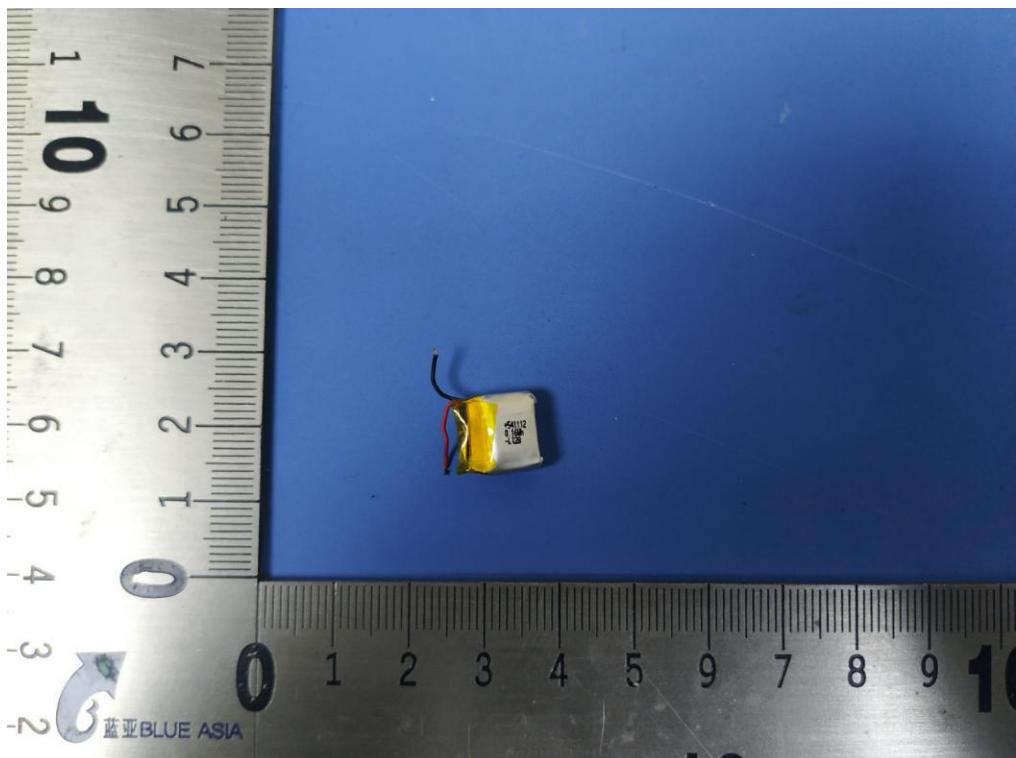
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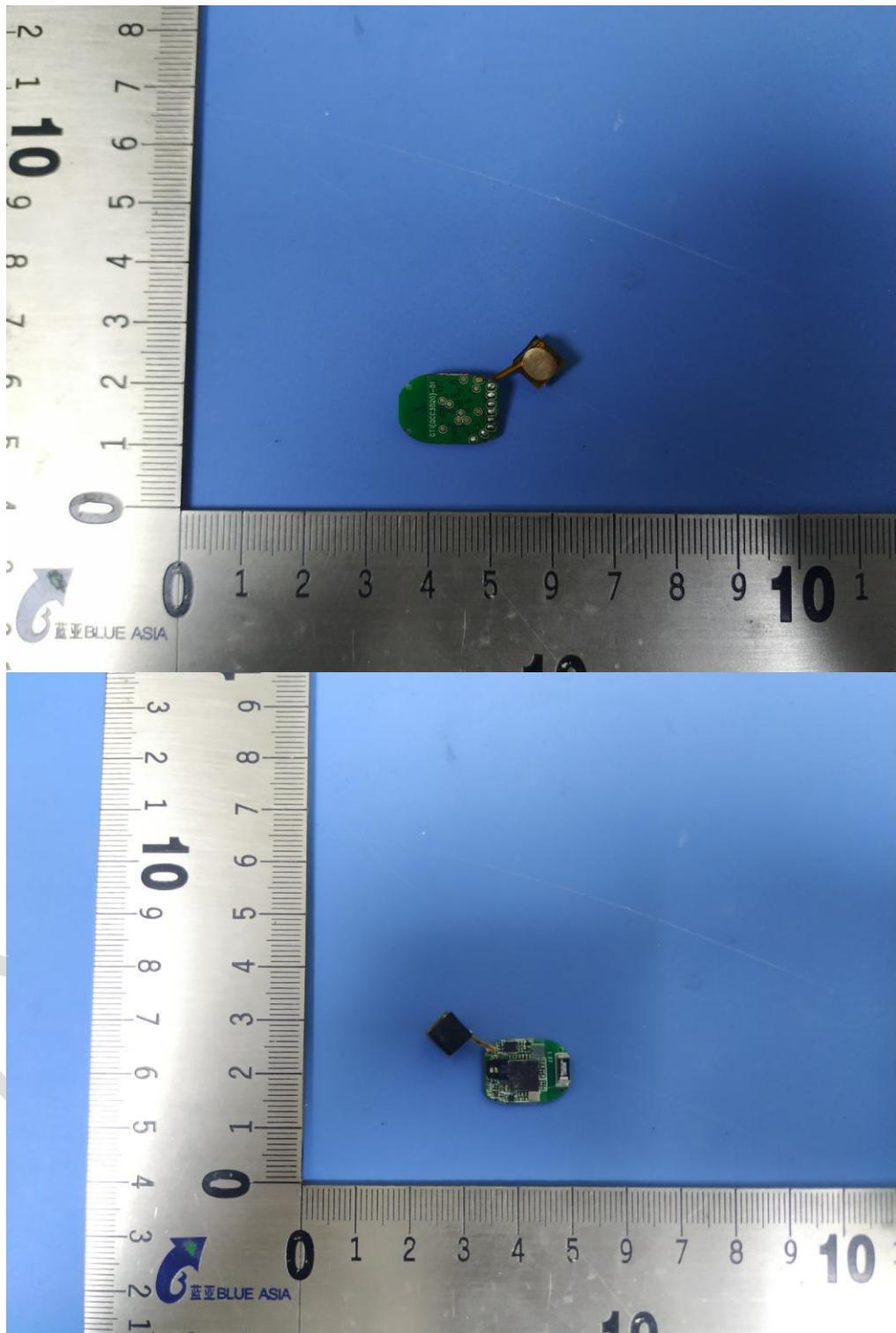
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