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EUT	Children's Alarm Clock	Model Name	STC-001
Temperature	25.5°C	Relative Humidity	55.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHZ	Antenna	Vertical

ΡK

Aug Type: Log-Pwr Avg Hold:>100/100 Peak Sear 1 2.46095000000 GH NextPe ef 110.00 dBµV/m Next Pk Righ Next Pk L Marker Delt rt 2.45000 GHz s BW 1.0 MHz #VBW 3.0 MHz Mkr→C Sween 01 pts) 2.460 95 GHz 99.840 dBµV 2.483 50 GHz 46.833 dBµV Mkr→RefL Mor

AV



RESULT: PASS



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 +86-755 2523 4088
 E-mail: agc@agc-cert.com
 Service



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EUT	Children's Alarm Clock	Model Name	STC-001
Temperature	25.5°C	Relative Humidity	55.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Horizontal

ΡK

ALIGN AUTO Avg Type: Log-Pwr Avg|Hold:>100/100 Peak Search 1 2.408555000000 GHz Trig: Free Run Atten: 14 dB NextPe lkr1 2.40 101.56 Ref 110.00 dBµV/m Next Pk Righ Next Pk Le Marker Delt Start 2.37000 GHz #Res BW 1.0 MHz Stop 2.42500 GHz Sweep 1.000 ms (1001 pts) #VBW 3.0 MHz Mkr→C 2.408 555 GHz 101.565 dBµ\ 2.390 000 GHz 51.933 dBµ\ Mkr→RefL More 1 of 2





RESULT: PASS



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EUT	Children's Alarm Clock	Model Name	STC-001
Temperature	25.5°C	Relative Humidity	55.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHZ	Antenna	Vertical

ΡK



AV



RESULT: PASS



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EUT	Children's Alarm Clock	Model Name STC-001	
Temperature	25.5°C	Relative Humidity	55.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Horizontal

ΡK

ALIGN AUTO Avg Type: Log-Pwr Avg|Hold:>100/100 Peak Search 1 2.458600000000 GHz Trig: Free Run Atten: 14 dB Next Pea Mkr1 2.458 60 102.691 dB Ref 110.00 dBµV/m Next Pk Righ Next Pk Le Marker Delt Start 2.45000 GHz #Res BW 1.0 MHz Stop 2.50000 GHz Sweep 1.000 ms (1001 pts) #VBW 3.0 MHz Mkr→C 2.458 60 GHz 102.691 dBµV 2.483 50 GHz 54.324 dBµV Mkr→RefL More 1 of 2





RESULT: PASS



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EUT	Children's Alarm Clock	Model Name	STC-001
Temperature	25.5°C	Relative Humidity	55.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	Antenna	Vertical

ΡK

Aug Type: Log-Pwr Avg Hold:>100/100 Peak Sear 1 2.458550000000 GHz NextPe 110.00 dBµV/m Next Pk Righ Next Pk L Marker Delt rt 2.45000 GHz es BW 1.0 MHz #VBW 3.0 MHz Mkr→C Sweep 01 pts) 2.458 55 GHz 100.638 dBµV 2.483 50 GHz 52.549 dBµV Mkr→RefL Mor

AV



RESULT: PASS



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EUT	Children's Alarm Clock	Model Name	STC-001
Temperature	25.5°C	Relative Humidity	55.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Horizontal

ΡK

ALIGN AUTO Avg Type: Log-Pw Avg|Hold:>100/100 Peak Search rker 1 2.407400000000 GHz Trig: Free Run Atten: 14 dB Next Pe /kr1 2.407 400 101.398 dB Ref 110.00 dBµV/m Next Pk Righ Next Pk Le Marker Delt Start 2.37000 GHz #Res BW 1.0 MHz Stop 2.42500 GHz Sweep 1.000 ms (1001 pts) #VBW 3.0 MHz Mkr→C 2.407 400 GHz 101.398 dBuV 2.390 000 GHz 53.996 dBuV Mkr→RefL More 1 of 2





RESULT: PASS



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EUT	Children's Alarm Clock	Model Name	STC-001
Temperature	25.5°C	Relative Humidity	55.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Vertical

ΡK

ALIGN AUTO Avg Type: Log-Pw Avg|Hold:>100/100 Peak Search ker 1 2.407400000000 GHz Trig: Free Run Atten: 14 dB Next Pea 00 Wkr1 2.407 99.417 dB Ref 110.00 dBµV/m Next Pk Righ Next Pk Le Marker Delt Start 2.37000 GHz #Res BW 1.0 MHz Stop 2.42500 GHz Sweep 1.000 ms (1001 pts) #VBW 3.0 MHz Mkr→C 2.407 400 GHz 99.417 dBµV 2.390 000 GHz 51.883 dBµV Mkr→RefL More 1 of 2





RESULT: PASS



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EUT	Children's Alarm Clock	Model Name	STC-001
Temperature	25.5°C	Relative Humidity	55.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Horizontal

ΡK

ALIGN AUTO Avg Type: Log-Pwr Avg|Hold:>100/100 Peak Search 1 2.46030000000 GHz Trig: Free Run Atten: 14 dB Next Pe Mkr1 2.460 30 102.574 dB Ref 110.00 dBµV/m Next Pk Righ Next Pk Le Marker Delt Start 2.45000 GHz #Res BW 1.0 MHz Stop 2.50000 GHz Sweep 1.000 ms (1001 pts) #VBW 3.0 MHz Mkr→C 2.460 30 GHz 102.574 dBµV 2.483 50 GHz 53.795 dBµV Mkr→RefL More 1 of 2





RESULT: PASS



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EUT	Children's Alarm Clock	Model Name	STC-001
Temperature	25.5°C	Relative Humidity	55.8%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Vertical

ΡK

Aug Type: Log-Pwr Avg Hold:>100/100 Peak Sear 1 2.460300000000 GHz NextPe f 110.00 dBµV/m Next Pk Righ Next Pk Le Marker Delt rt 2.45000 GHz s BW 1.0 MHz #VBW 3.0 MHz Mkr→C Sweep 01 pts) 2.460 30 GHz 100.475 dBµV 2.483 50 GHz 53.936 dBµV Mkr→RefL Mor

AV



RESULT: PASS



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13. FCC LINE CONDUCTED EMISSION TEST

13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

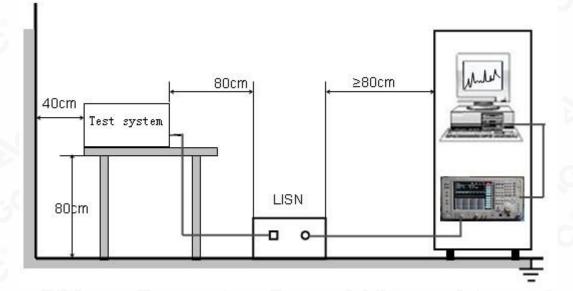
Frequency	Maximum RF Line Voltage			
Frequency	Q.P.(dBuV)	Average(dBuV)		
150kHz-500kHz	66-56	56-46		
500kHz-5MHz	56	46		
5MHz-30MHz	60	50		

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 0.50MHz.

13.2. BLOCK DIAGRAM OF TEST SETUP

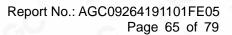




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13.3. PROCEDURE OF LINE CONDUCTED EMISSION TEST

- (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) The EUT received AC120V/60Hz power from a LISN.
- (5) The EUT 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.
- (6) Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- (7) During the above scans, the emissions were maximized by cable manipulation.
- (8) A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions.
- (9) 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.





Level [dBµV] 70 60 50 40 30 20 10 0 -10 150k 300k 600k 800k 1M 3M 5M 6M 10M 20M 30M 400k 2M 4M 8M Frequency [Hz] ххх

13.4. TEST RESULT OF LINE CONDUCTED EMISSION TEST

LINE CONDUCTED EMISSION TEST-L1 (Worst Mode 4)

MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.158000	35.10	10.7	66	30.5	QP	L1
0.186000	31.70	10.8	64	32.5		L1
0.466000	30.60	10.8	57	26.0	QP	L1
0.974000	27.70	11.2	56	28.3	OP	L1
1.874000	28.30	11.3	56	27.7	QP	L1
3.326000	19.90	11.4	56	36.1	QP	L1

MEASUREMENT RESULT

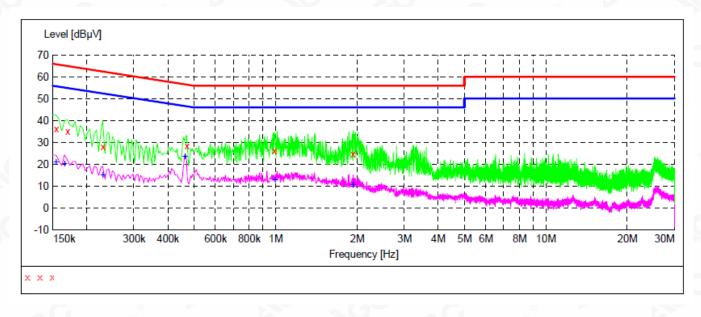
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.158000	20.40	10.7	56	35.2	AV	L1
0.198000	17.20	10.8	54	36.5	AV	L1
0.462000	23.90	10.7	47	22.8	AV	L1
0.974000	13.60	11.2	46	32.4	AV	L1
1.874000	10.90	11.3	46	35.1	AV	L1
3.330000	6.10	11.4	46	39.9	AV	L1

RESULT: PASS



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LINE CONDUCTED EMISSION TEST-N (Worst Mode 4)

MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	36.30	10.7	66	29.5	QP	Ν
0.170000	35.20	10.7	65	29.8	QP	N
0.230000	28.30	10.8	62	34.1	QP	N
0.470000	28.60	10.8	57	27.9	QP	N
0.990000	26.20	11.2	56	29.8	QP	N
1.934000	25.00	11.3	56	31.0	QP	N

MEASUREMENT RESULT

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.154000	21.30 20.50	10.7 10.7	56 55	34.5 34.7	AV AV	N N
0.230000	15.40	10.8	52	37.0	AV	N
0.462000 0.998000	23.90 13.00	10.7 11.2	47 46	22.8 33.0	AV AV	N N
1.934000	10.90	11.3	46	35.1	AV	Ν

RESULT: PASS



Attestation of Global Compliance(Shenzhen)Co.,Ltd.

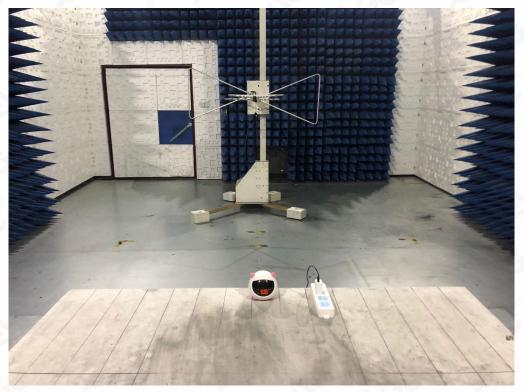
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APPENDIX A: PHOTOGRAPHS OF TEST SETUP FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ

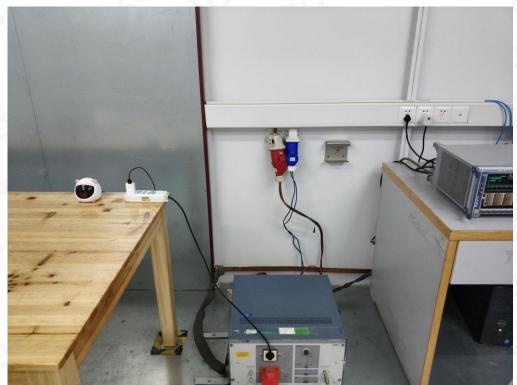




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FCC CONDUCTED EMISSION TEST SETUP



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APPENDIX B: PHOTOGRAPHS OF EUT ALL VIEW OF EUT

TOP VIEW OF EUT





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BOTTOM VIEW OF EUT



FRONT VIEW OF EUT





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BACK VIEW OF EUT



LEFT VIEW OF EUT





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RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1



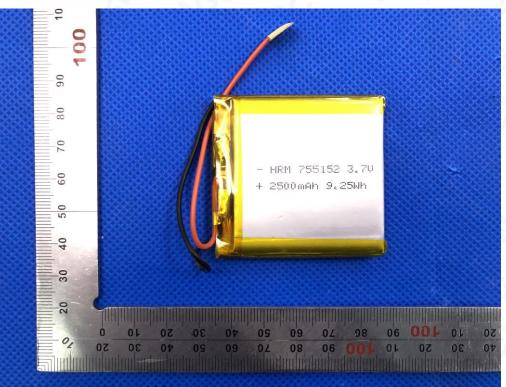


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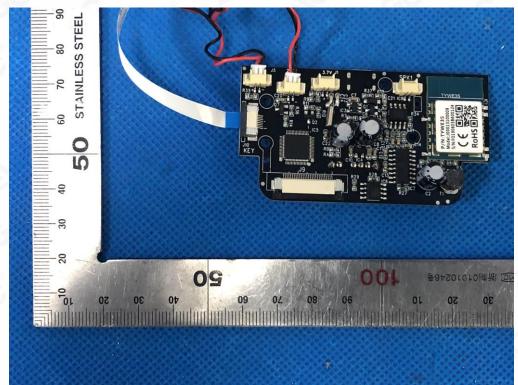


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VIEW OF BATTERY



INTERNAL VIEW OF EUT-1



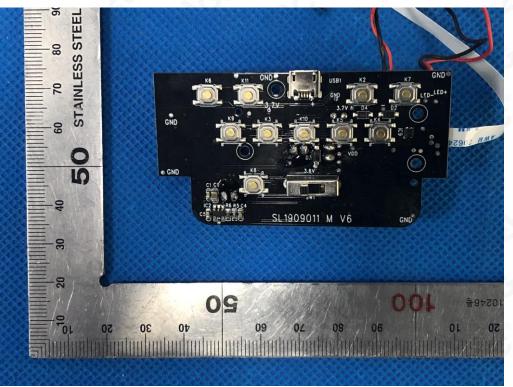


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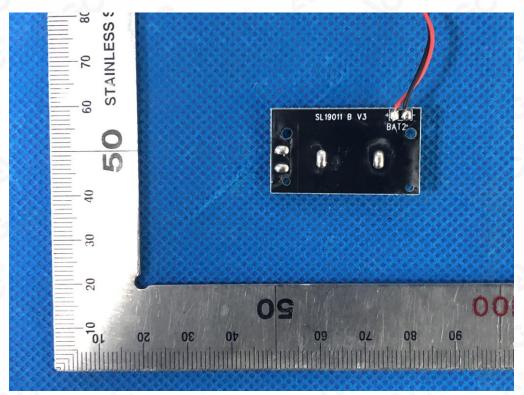


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INTERNAL VIEW OF EUT-2



INTERNAL VIEW OF EUT-3



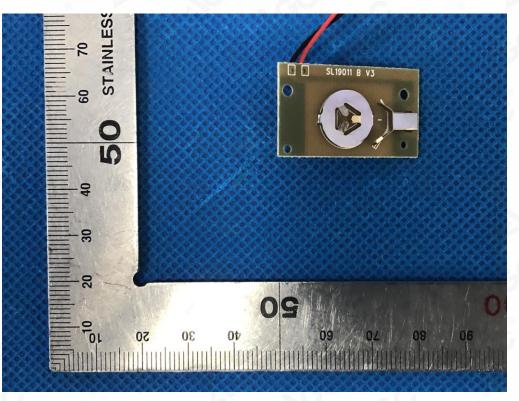


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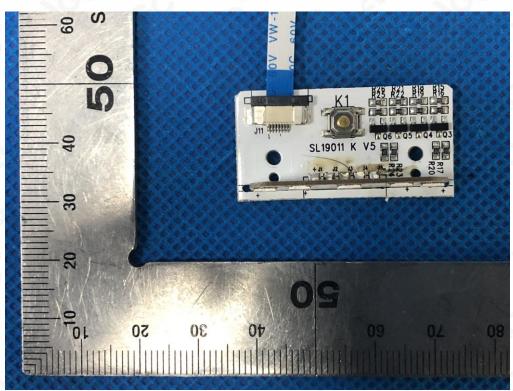


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INTERNAL VIEW OF EUT-4

INTERNAL VIEW OF EUT-5



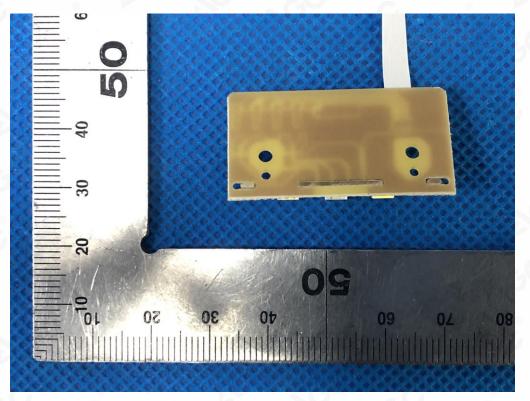


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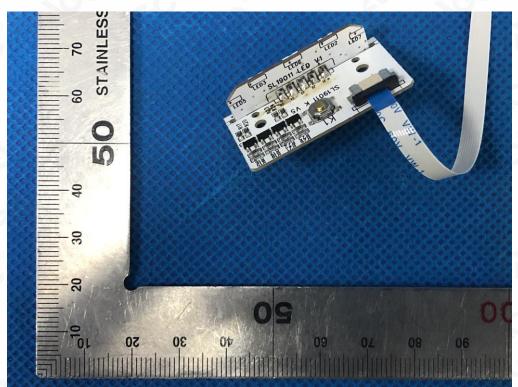


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INTERNAL VIEW OF EUT-7

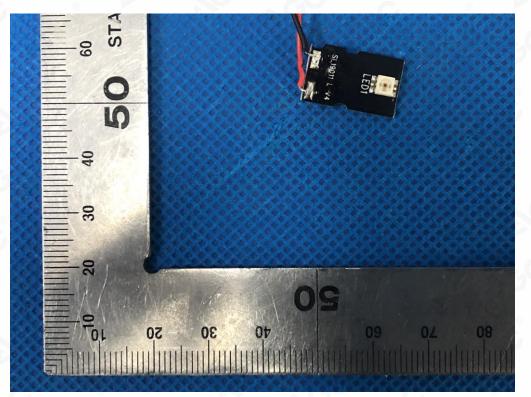




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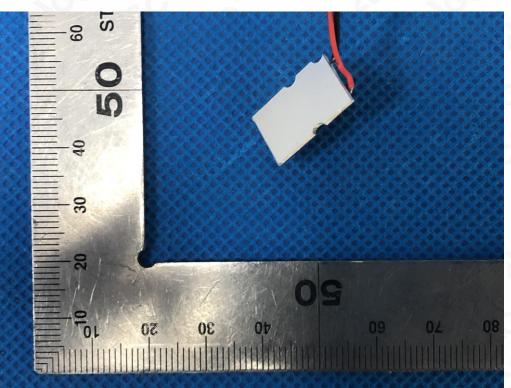


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INTERNAL VIEW OF EUT-8

INTERNAL VIEW OF EUT-9



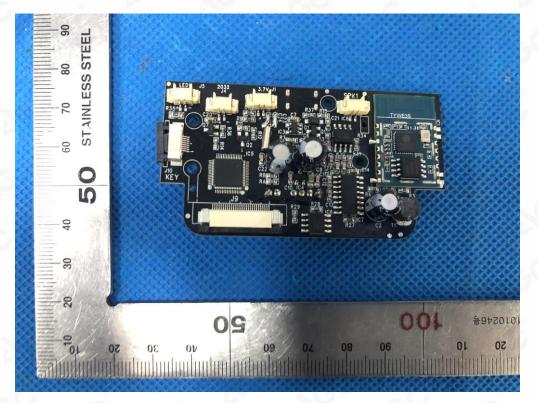


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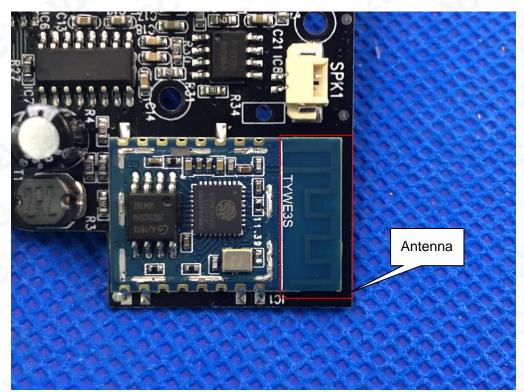


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INTERNAL VIEW OF EUT-10



INTERNAL VIEW OF EUT-11



----END OF REPORT----



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