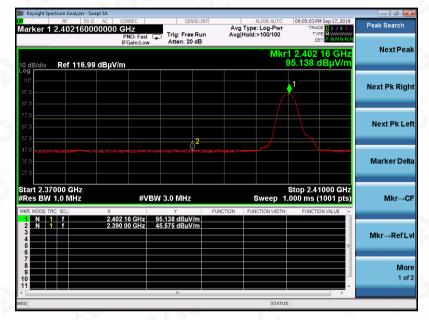
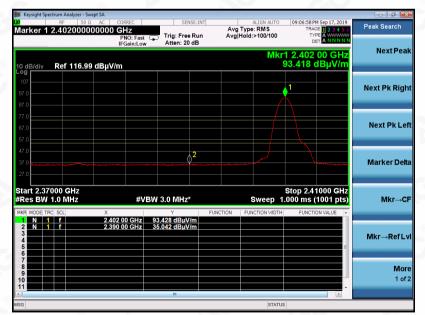
TEST RESULT FOR RESTRICTED BANDS REQUIREMENTS

EUT	CDG / BLUETOOTH KARAOKE PLAYER	Model Name	STVG885BK
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

PK







RESULT: PASS



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

 Add:
 2/F., Building 2,Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

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

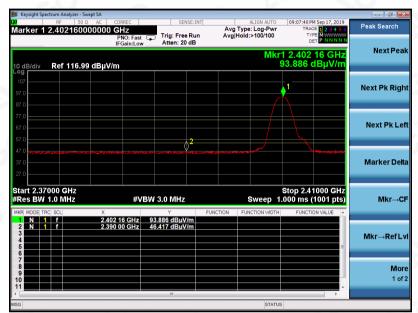
Service Hotline:400 089 2118



Report No.: AGC04138190701FE03 Page 42 of 72

Pressure Test Mode	960hPa Mode 1	Test Voltage Antenna	Normal Voltage
Temperature	25°C	Relative Humidity	55.4%
EUT	CDG / BLUETOOTH KARAOKE PLAYER	Model Name	STVG885BK

PK



AV



RESULT: PASS





Report No.: AGC04138190701FE03 Page 43 of 72

EUT	CDG / BLUETOOTH KARAOKE PLAYER	Model Name	STVG885BK
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

PK



AV



RESULT: PASS





Report No.: AGC04138190701FE03 Page 44 of 72

EUT	CDG / BLUETOOTH KARAOKE PLAYER		
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

ΡK



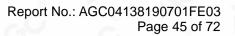
AV



RESULT: PASS

Note: The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μ V) to represent the Amplitude. Use the F dB(μ V/m) to represent the Field Strength. So A=F. All test modes had been pre-tested. The GFSK modulation is the worst case and recorded in the report.







11. NUMBER OF HOPPING FREQUENCY

11.1. MEASUREMENT PROCEDURE

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

1. Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual

channels to be clearly seen.

2. RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.

3. VBW \geq RBW. Sweep: Auto. Detector function: Peak. Trace: Max hold.

4. Allow the trace to stabilize.

11.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

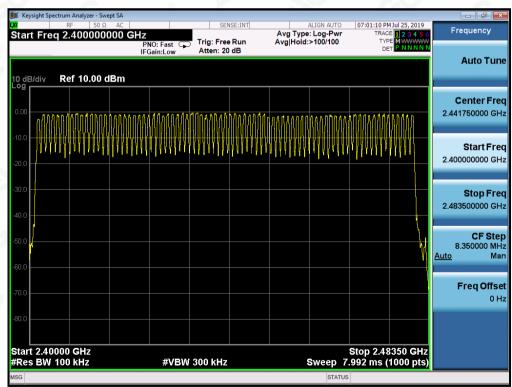
Same as described in section 8.2

11.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6

11.4. LIMITS AND MEASUREMENT RESULT

TOTAL NO. OF HOPPING CHANNEL	LIMIT (NO. OF CH)	MEASUREMENT (NO. OF CH)	RESULT	
	>=15	79	PASS	



TEST PLOT FOR NO. OF TOTAL CHANNELS

Note: The GFSK modulation is the worst case and recorded in the report.



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

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,



12. TIME OF OCCUPANCY (DWELL TIME)

12.1. MEASUREMENT PROCEDURE

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

1. Span: Zero span, centered on a hopping channel.

2. RBW shall be \leq channel spacing and where possible RBW should be set >> 1 / T, where T is the expected dwell time per channel.

3. Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel.

4. Detector function: Peak. Trace: Max hold.

5. Use the marker-delta function to determine the transmit time per hop.

6. Repeat the measurement using a longer sweep time to determine the number of hops over the period specified in the requirements. The sweep time shall be equal to, or less than, the period specified in the requirements. Determine the number of hops over the sweep time and calculate the total number of hops in the period specified in the requirements, using the following equation:

(Number of hops in the period specified in the requirements) = (number of hops on spectrum analyzer) \times (period specified in the requirements / analyzer sweep time)

7. The average time of occupancy is calculated from the transmit time per hop multiplied by the number of hops in the period specified in the requirements.

12.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 8.2

12.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6

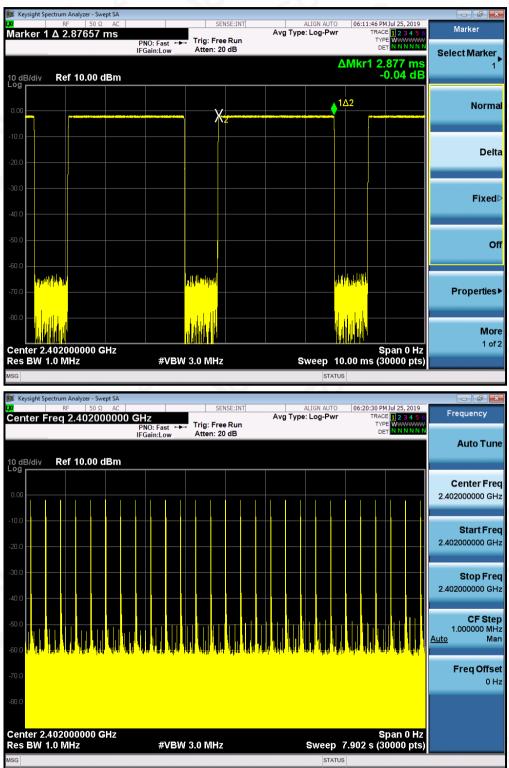
12.4. LIMITS AND MEASUREMENT RESULT

Channel	Time of Pulse for DH5 (ms)	Number of hops in the period specified in the requirements	Sweep Time (ms)	Limit (ms)
Low	2.877	27*4	310.72	400
Middle	2.879	26*4	299.42	400
High	2.877	27*4	310.72	400

Note: The π /4-DQPSK modulation is the worst case and recorded in the report.







TEST PLOT OF LOW CHANNEL

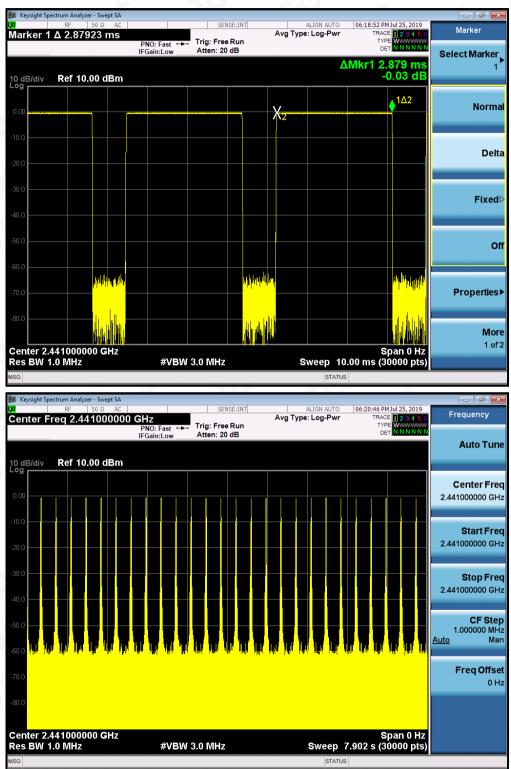


Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,

Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118





TEST PLOT OF MIDDLE CHANNEL

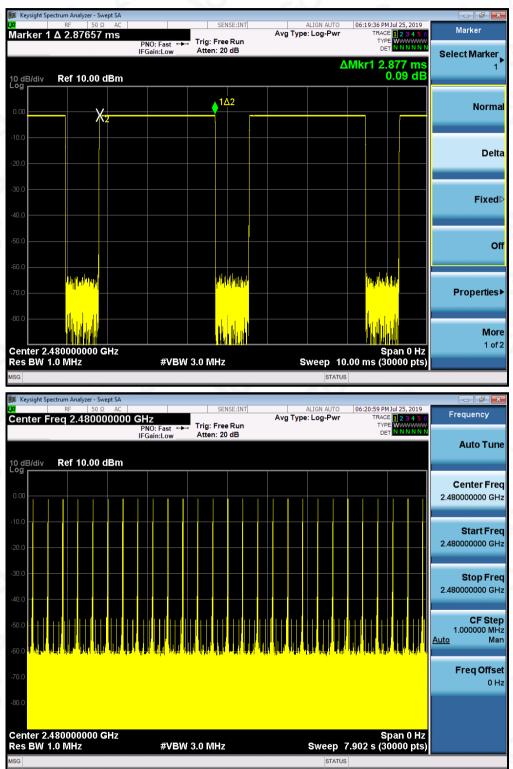


Attestation of Global Compliance(Shenzhen)Co.,Ltd.

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,

Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118





TEST PLOT OF HIGH CHANNEL



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

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,



13. FREQUENCY SEPARATION

13.1. MEASUREMENT PROCEDURE

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

1. Span: Wide enough to capture the peaks of two adjacent channels.

2. RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.

3. Video (or average) bandwidth (VBW) \geq RBW.

4. Sweep: Auto. e) Detector function: Peak. f) Trace: Max hold. g) Allow the trace to stabilize.

Use the marker-delta function to determine the separation between the peaks of the adjacent channels.

13.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

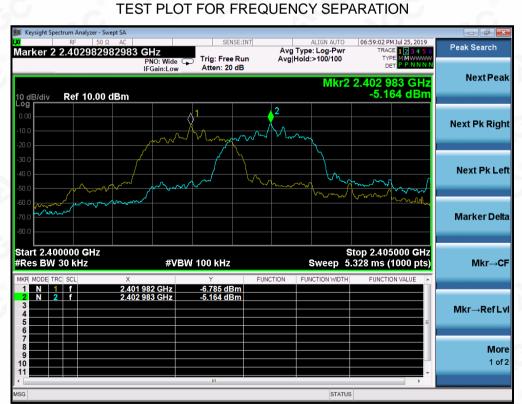
Same as described in section 6.2

13.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6.3

13.4. LIMITS AND MEASUREMENT RESULT

CHANNEL	CHANNEL SEPARATION	LIMIT	RESULT		
	KHz	KHz	Data		
CH01-CH02	1001	>=25 KHz or 2/3 20 dB BW	Pass		



Note: The π /4-DQPSK modulation is the worst case and recorded in the report.



Attestation of Global Compliance(Shenzhen)Co.,Ltd. Add: 2/F., Building 2,Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service

Service Hotline:400 089 2118

14. FCC LINE CONDUCTED EMISSION TEST

14.1. LIMITS OF LINE CONDUCTED EMISSION TEST

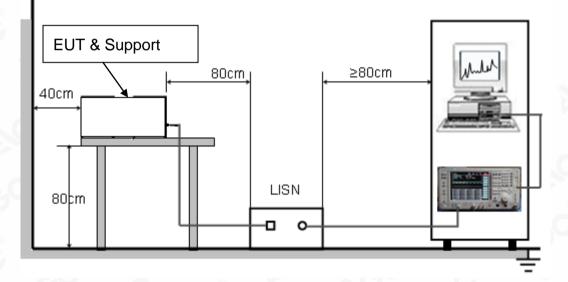
F ara and Fara and and Fara and Fara and Fara and Fara and Fara and Fara	Maximum RF Line Voltage				
Frequency	Q.P.(dBuV)	Average(dBuV)			
150kHz~500kHz	66-56	56-46			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

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 0.50 MHz.

14.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST







14.3. 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 equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC 15V 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.

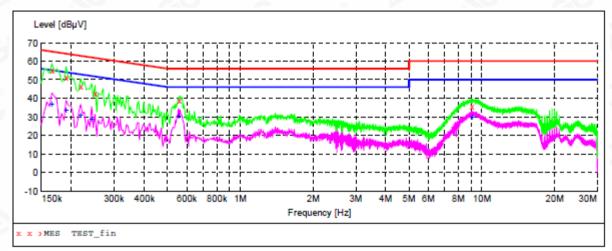
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

14.4. 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.
- 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.







14.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

Line Conducted Emission Test Line 1-L

MEASUREMENT RESULT: "TEST fin"

7/26/2019 6:20	MGC						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.166000 0.190000 0.218000	55.10 51.20 46.70	10.8 10.9 10.9	65 64 63	10.1 12.8 16.2	QP QP QP	L1 L1 L1	FLO FLO FLO
0.250000 0.558000 9.090000	43.00 38.80 35.70	10.9 10.9 11.9	62 56 60	18.8 17.2 24.3	QP QP QP	L1 L1 L1	FLO FLO FLO

MEASUREMENT RESULT: "TEST fin2"

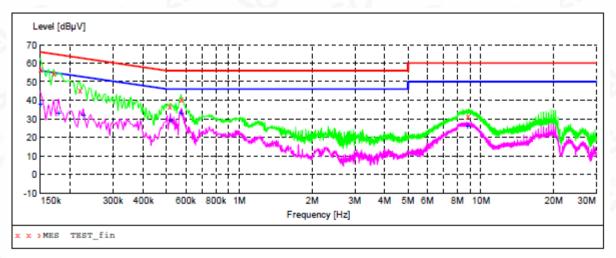
7/26/2019 6: Frequency MHz	20PM Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.166000 0.190000 0.218000 0.242000 0.554000 9.090000	37.40 34.00 31.50 29.10 30.80 30.50	10.8 10.9 10.9 10.9 10.9 10.9 11.9	55 54 53 52 46 50	17.8 20.0 21.4 22.9 15.2 19.5	AV AV AV AV AV AV	L1 L1 L1 L1 L1 L1	FLO FLO FLO FLO FLO FLO



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

Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,





Line Conducted Emission Test Line 2-N

MEASUREMENT RESULT: "TEST fin"

7/26/2019 6:25PM Frequency Level Transd Limit Margin Detector Line PE dBµV dB dB MHZ dBuV 0.150000 57.10 10.8 66 8.9 FLO QP Ν 0.170000 QP 54.40 10.8 65 10.6 Ν FLO 17.5 10.9 63 0.218000 45.40 QP Ν FLO 0.514000 36.60 11.1 56 19.4 QP Ν FLO 0.574000 40.50 FLO 10.8 56 15.5 OP N 8.822000 31.30 11.8 60 28.7 QP Ν FLO

MEASUREMENT RESULT: "TEST fin2"

7/26/2019 6:	25PM						
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHZ	dBuV	dB	dBµV	dB			
0.150000	38.70	10.8	56	17.3	AV	N	FLO
0.178000	33,60	10.9	55	21.0	AV	N	FLO
0.226000	32.60	10.9	53	20.0	AV	N	FLO
0.518000	29.90	11.1	46	16.1	AV	N	FLO
0.574000	33.40	10.8	46	12.6	AV	N	FLO
8.810000	26.50	11.8	50	23.5	AV	N	FLO
0.810000	20.50	11.0	50	43.5	AV	14	10

RESULT: PASS

Note: All the test modes had been tested, the mode 1 was the worst case. Only the data of the worst case would be record in this test report.



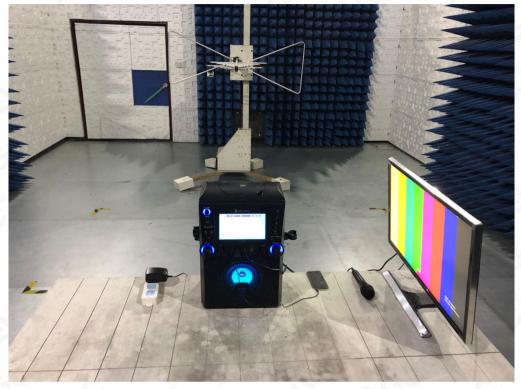
Attestation of Global Compliance(Shenzhen)Co.,Ltd. Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com

Service Hotline:400 089 2118



Report No.: AGC04138190701FE03 Page 55 of 72

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



RADIATED EMISSION TEST SETUP ABOVE 1GHZ







Report No.: AGC04138190701FE03 Page 56 of 72

CONDUCTED EMISSION TEST SETUP







Report No.: AGC04138190701FE03 Page 57 of 72

APPENDIX B: PHOTOGRAPHS OF EUT ALL VIEW OF EUT



TOP VIEW OF EUT





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

 Add:
 2/F., Building 2,Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

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

Service Hotline:400 089 2118



Report No.: AGC04138190701FE03 Page 58 of 72

BOTTOM VIEW OF EUT



FRONT VIEW OF EUT







Report No.: AGC04138190701FE03 Page 59 of 72

BACK VIEW OF EUT



LEFT VIEW OF EUT







Report No.: AGC04138190701FE03 Page 60 of 72

RIGHT VIEW OF EUT



VIEW OF EUT(PORT)-1







Report No.: AGC04138190701FE03 Page 61 of 72

VIEW OF EUT(PORT)-2





Attestation of Global Compliance(Shenzhen)Co.,Ltd. Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community,

Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service



Report No.: AGC04138190701FE03 Page 62 of 72

OPEN VIEW OF EUT-1



OPEN VIEW OF EUT-2





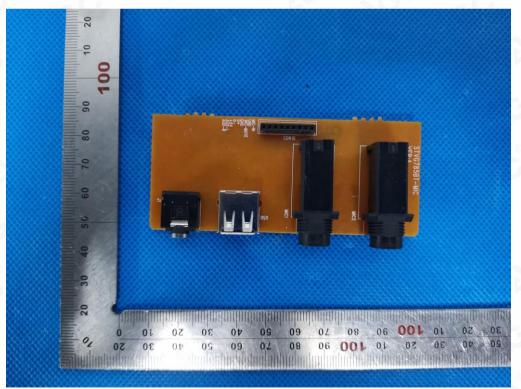


Report No.: AGC04138190701FE03 Page 63 of 72

OPEN VIEW OF EUT-3



INTERNAL VIEW OF EUT-1





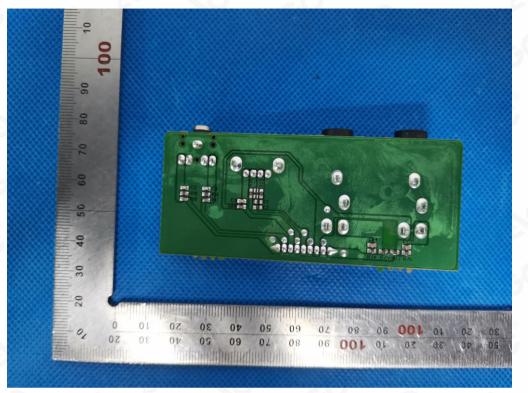
Attestation of Global Compliance(Shenzhen)Co.,Ltd. Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service

Service Hotline: 400 089 2118

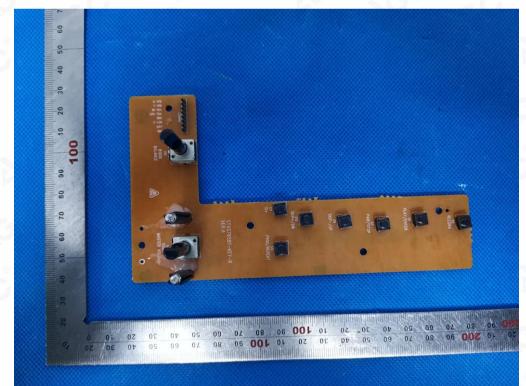


Report No.: AGC04138190701FE03 Page 64 of 72

INTERNAL VIEW OF EUT-2



INTERNAL VIEW OF EUT-3





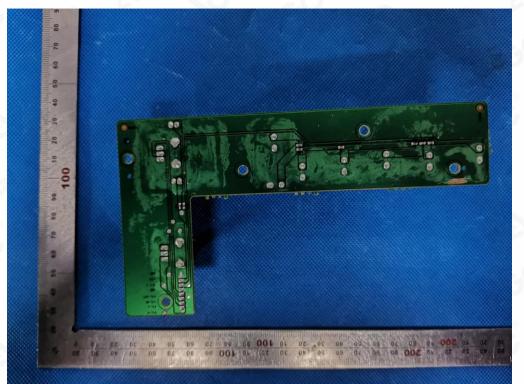
Attestation of Global Compliance(Shenzhen)Co.,Ltd. Add: 2/F., Building 2,Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service

com Service Hotline:400 089 2118

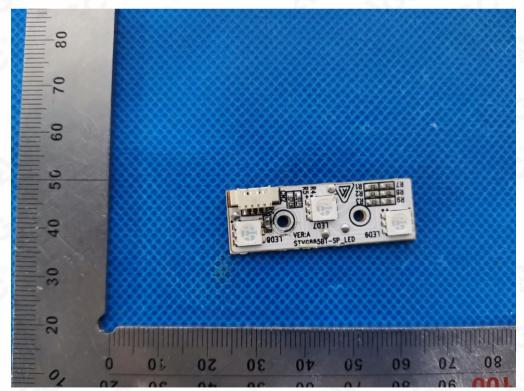


Report No.: AGC04138190701FE03 Page 65 of 72

INTERNAL VIEW OF EUT-4



INTERNAL VIEW OF EUT-5

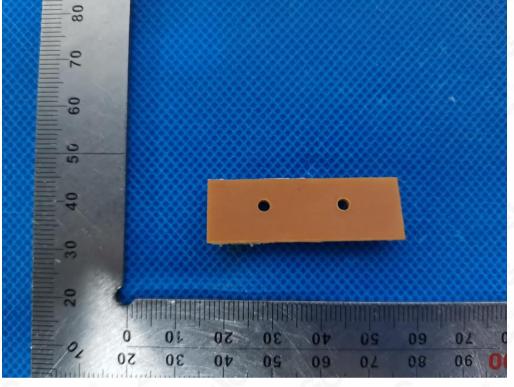




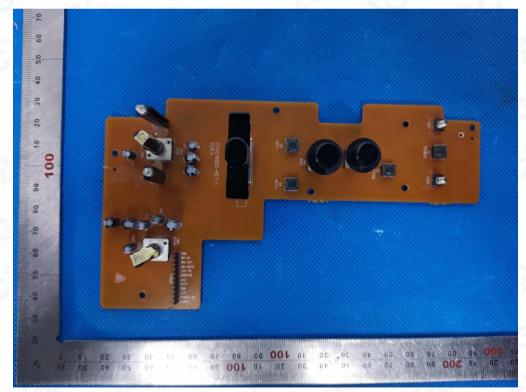


Report No.: AGC04138190701FE03 Page 66 of 72

INTERNAL VIEW OF EUT-6



INTERNAL VIEW OF EUT-7

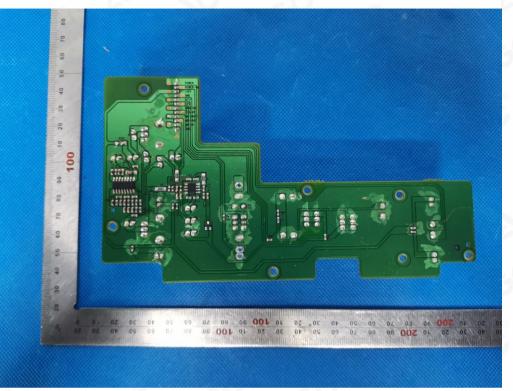




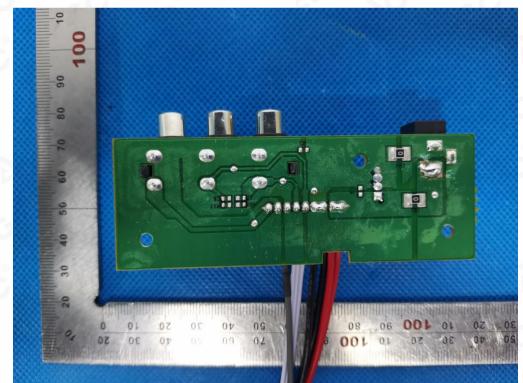


Report No.: AGC04138190701FE03 Page 67 of 72

INTERNAL VIEW OF EUT-8



INTERNAL VIEW OF EUT-9





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

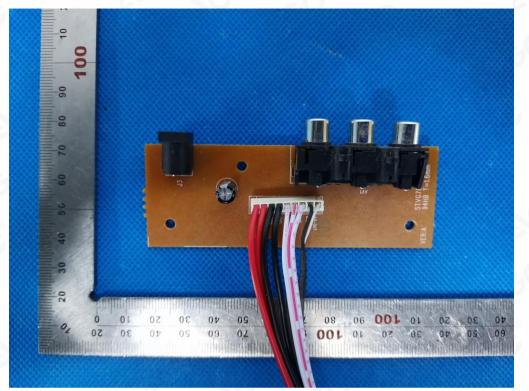
Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service

Service Hotline: 400 089 2118



Report No.: AGC04138190701FE03 Page 68 of 72

INTERNAL VIEW OF EUT-10



INTERNAL VIEW OF EUT-11





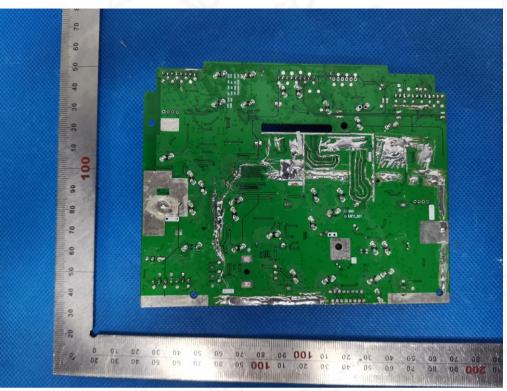
Attestation of Global Compliance(Shenzhen)Co.,Ltd. Add: 2/F., Building 2,Sanwei Chaxi Industrial Park, Sanwei Community,

Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118



Report No.: AGC04138190701FE03 Page 69 of 72

INTERNAL VIEW OF EUT-12



INTERNAL VIEW OF EUT-13



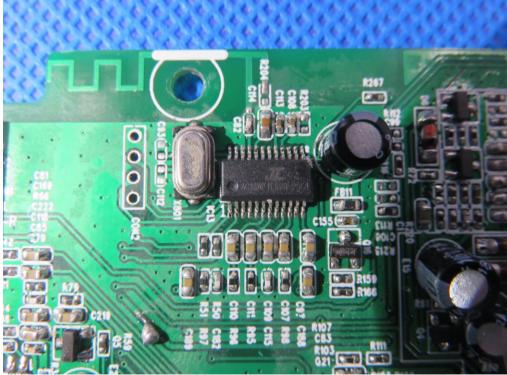




Report No.: AGC04138190701FE03 Page 70 of 72

INTERNAL VIEW OF EUT-14









Report No.: AGC04138190701FE03 Page 71 of 72

INTERNAL VIEW OF EUT-16



ADAPTER





Attestation of Global Compliance(Shenzhen)Co.,Ltd. Add: 2/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755 2523 4088 E-mail:agc@agc-cert.com Service

Service Hotline: 400 089 2118



Report No.: AGC04138190701FE03 Page 72 of 72



----END OF REPORT----

