FCC TEST REPORT

REPORT NO.:	RF990506E05
MODEL NO.:	M-R0017
RECEIVED:	May 06, 2010
TESTED:	May 07 to 10, 2010
ISSUED:	May 25, 2010

APPLICANT:	LOGITECH FAR EAST LTD.
ADDRESS:	#2 Creation Rd. 4, Science-Based Ind. Park Hsinchu Taiwan, R.O.C.

ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
TEST LOCATION:	No. 81-1, Lu Liao Keng, 9th Ling,Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan

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1 CERTIFICATION

PRODUCT :	2.4GHz Cordless Mouse
BRAND NAME :	Logitech
MODEL NO. :	M-R0017
TESTED :	May 07 to 10, 2010
TEST SAMPLE :	ENGINEERING SAMPLE
APPLICANT :	LOGITECH FAR EAST LTD.
STANDARDS :	47 CFR Part 15, Subpart C (Section 15.249) ANSI C63.4-2003

The above equipment (Model: M-R0017) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : _____ , **DATE:** May 25, 2010
(Midoli Peng, Specialist)

TECHNICAL ACCEPTANCE : _____ , **DATE:** May 25, 2010
(Hank Chung, Deputy Manager)

APPROVED BY : _____ , **DATE:** May 25, 2010
(May Chen, Deputy Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: 47 CFR Part 15, Subpart C			
Standard Paragraph	**Test Type**	**Result**	**Remark**
15.207	Conducted Emission Test	NA	Power supply is DC 1.2V from battery
15.249	Radiated Emission Test	PASS	Minimum passing margin is -9.3dB at 179.79MHz
15.249	Conducted - Out Band Measurement	PASS	Meet the requirement of limit

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Radiated emissions (30MHz-1GHz)	3.94 dB
Radiated emissions (1GHz -18GHz)	2.49 dB
Radiated emissions (18GHz -40GHz)	2.70 dB

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	2.4GHz Cordless Mouse
MODEL NO.	M-R0017
FCC ID	JNZMR0017
POWER SUPPLY	DC 1.2V from battery or DC 5V from host equipment
MODULATION TYPE	GFSK
CARRIER FREQUENCY OF EACH CHANNEL	2405MHz ~ 2474MHz
NUMBER OF CHANNEL	12
ANTENNA TYPE	PCB printed antenna, with 0.56dBi antenna gain
DATA CABLE	USB Cable(Shielded, 1.83m / Brand :JEM) USB Cable(Shielded, 1.82m / Brand : SINBON)
I/O PORTS	USB Port
ASSOCIATED DEVICES	NA

NOTE:

1. The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 DESCRIPTION OF TEST MODES

Twelve channels are provided to this EUT.

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	2405	4	2417	7	2441	10	2465
2	2408	5	2432	8	2444	11	2471
3	2414	6	2435	9	2462	12	2474

NOTE:

1. Below 1 GHz, the channel 1, 8, and 12 were pre-tested in chamber. The channel 12, worst case one, was chosen for final test.
2. Above 1 GHz, the channel 1, 8, and 12 were tested individually.

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

47 CFR Part 15, Subpart C (Section 15.249)
ANSI C63.4: 2003

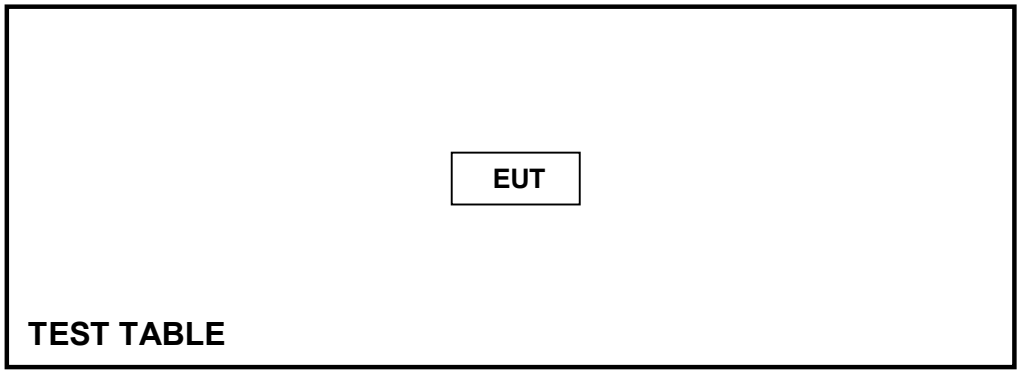
All tests have been performed and recorded as per the above standards.

NOTE: The EUT has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit.

3.5 CONFIGURATION OF SYSTEM UNDER TEST



4 TEST PROCEDURES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

According to 15.249 the field strength of emissions from intentional radiators operated under these frequencies bands shall not exceed the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental (dBuV/m)	
	Peak	Average
2400 ~ 2483.5	114	94
	Field Strength of Harmonics (dBuV/m)	
	74	54

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
ROHDE & SCHWARZ Spectrum Analyzer	FSP40	100036	Dec. 18, 2009	Dec. 17, 2010
Agilent PSA Spectrum Analyzer	E4446A	MY46180622	Apr. 24 , 2010	Apr. 23 , 2011
HP Pre_Amplifier	8449B	300801923	Nov. 02, 2009	Nov. 01, 2010
ROHDE & SCHWARZ Test Receiver	ESCS30	847124/029	Aug. 28, 2009	Aug. 27, 2010
SCHWARZBECK TRILOG Broadband Antenna	VULB 9168	138	Apr. 28, 2010	Apr. 29, 2011
Schwarzbeck Horn_Antenna	BBHA9120	D124	Dec. 18, 2009	Dec. 17, 2010
Schwarzbeck Horn_Antenna	BBHA 9170	BBHA9170153	Jan. 22, 2010	Jan. 21, 2011
RF Switches	EMH-011	1001	NA	NA
RF CABLE (Chaintek)	Sucoflex 106	28077	Aug. 14, 2009	Aug. 13, 2010
RF Cable	8DFB	STCCAB-30M-1GHz	NA	NA
Software	ADT_Radiated_V7.6.15.9.2	NA	NA	NA
CT Antenna Tower & Turn Table	NA	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna, preamplifier (model: 8449B) and Spectrum Analyzer (model: FSP40) are used only for the measurement of emission frequency above 1GHz if tested.
3. The test was performed in Open Site No. C.
4. The FCC Site Registration No. is 656396.
5. The VCCI Site Registration No. is R-1626.
6. The CANADA Site Registration No. is IC 7450G-3.

4.1.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its 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.

d. 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 rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10 dB 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 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

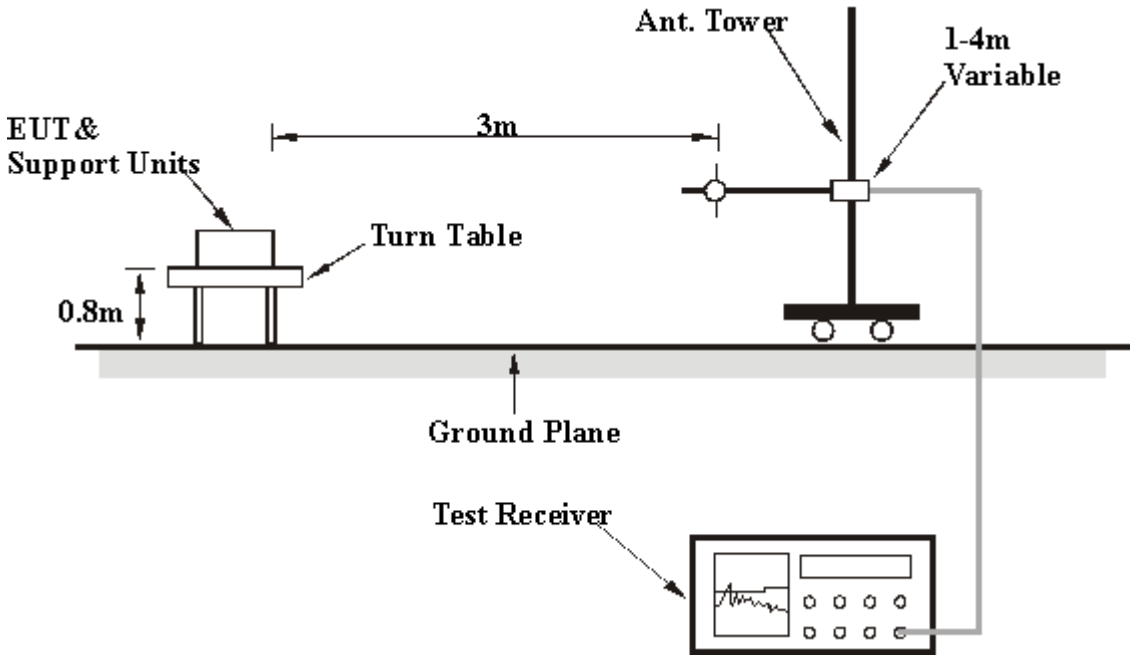
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz for Average detection (AV) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz for Average detection (AV) at frequency above 1GHz.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.1.6 EUT OPERATING CONDITIONS

Set the EUT under transmission / receiver condition continuously at specific channel frequency.

4.1.7 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	**FREQUENCY RANGE**	Below 1000MHz
INPUT POWER	DC 1.2V from battery	**DETECTOR FUNCTION**	Quasi-Peak
ENVIRONMENTAL CONDITIONS	26deg. C, 66%RH 1014 hPa	**TESTED BY**	Nick Tsai

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	137.38	24.9 QP	43.5	-18.6	1.00 H	274	11.11	13.80
2	**179.79**	**34.2 QP**	**43.5**	**-9.3**	**1.00 H**	**106**	**21.10**	**13.14**
3	285.05	35.8 QP	46.0	-10.2	1.00 H	264	20.44	15.32
4	663.35	31.0 QP	46.0	-15.0	1.00 H	147	6.48	24.51
5	910.37	30.2 QP	46.0	-15.8	1.44 H	231	1.94	28.27
6	969.53	30.6 QP	54.0	-23.4	1.60 H	120	1.85	28.77
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	120.00	26.7 QP	43.5	-16.8	1.22 V	231	14.75	11.95
2	217.32	26.1 QP	46.0	-19.9	1.00 V	20	13.57	12.50
3	427.65	23.2 QP	46.0	-22.9	1.00 V	247	3.86	19.29
4	525.02	25.3 QP	46.0	-20.7	1.00 V	152	3.36	21.95
5	663.17	34.4 QP	46.0	-11.6	1.16 V	122	9.93	24.51
6	924.83	27.6 QP	46.0	-18.4	1.00 V	279	-0.76	28.39

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

ABOVE 1GHz DATA

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 1	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	DC 1.2V from battery	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH 1014 hPa	TESTED BY	Kent Liu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2400.00	59.6 PK	74.0	-14.4	1.05 H	71	29.50	30.10
2	2400.00	25.5 AV	54.0	-28.5	1.05 H	71	-4.60	30.10
3	*2405.00	88.1 PK	114.0	-25.9	1.05 H	71	58.00	30.10
4	*2405.00	54.0 AV	94.0	-40.0	1.05 H	71	23.90	30.10
5	4810.00	43.1 PK	74.0	-30.9	1.00 H	345	7.70	35.40
6	4810.00	9.0 AV	54.0	-45.0	1.00 H	345	-26.40	35.40
7	7215.00	52.7 PK	74.0	-21.3	1.19 H	24	10.90	41.80
8	7215.00	18.6 AV	54.0	-35.4	1.19 H	24	-23.20	41.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2400.00	62.8 PK	74.0	-11.2	1.10 V	107	32.70	30.10
2	2400.00	28.7 AV	54.0	-25.3	1.10 V	107	-1.40	30.10
3	*2405.00	93.4 PK	114.0	-20.6	1.10 V	107	63.30	30.10
4	*2405.00	59.3 AV	94.0	-34.7	1.10 V	107	29.20	30.10
5	4810.00	45.4 PK	74.0	-28.6	1.05 V	14	10.00	35.40
6	4810.00	11.3 AV	54.0	-42.7	1.05 V	14	-24.10	35.40
7	7215.00	53.7 PK	74.0	-20.3	1.18 V	204	11.90	41.80
8	7215.00	19.6 AV	54.0	-34.4	1.18 V	204	-22.20	41.80

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency
6. The average value of fundamental frequency is: Average = Peak value + 20log(Duty cycle) Where the duty factor is calculated from following formula:
20 log (Duty cycle) = 20 log (0.2226 ms / 11.3 ms) = -34.1 dB
Please see page 16 for plotted duty.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 8	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	DC 1.2V from battery	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH 1014 hPa	TESTED BY	Kent Liu

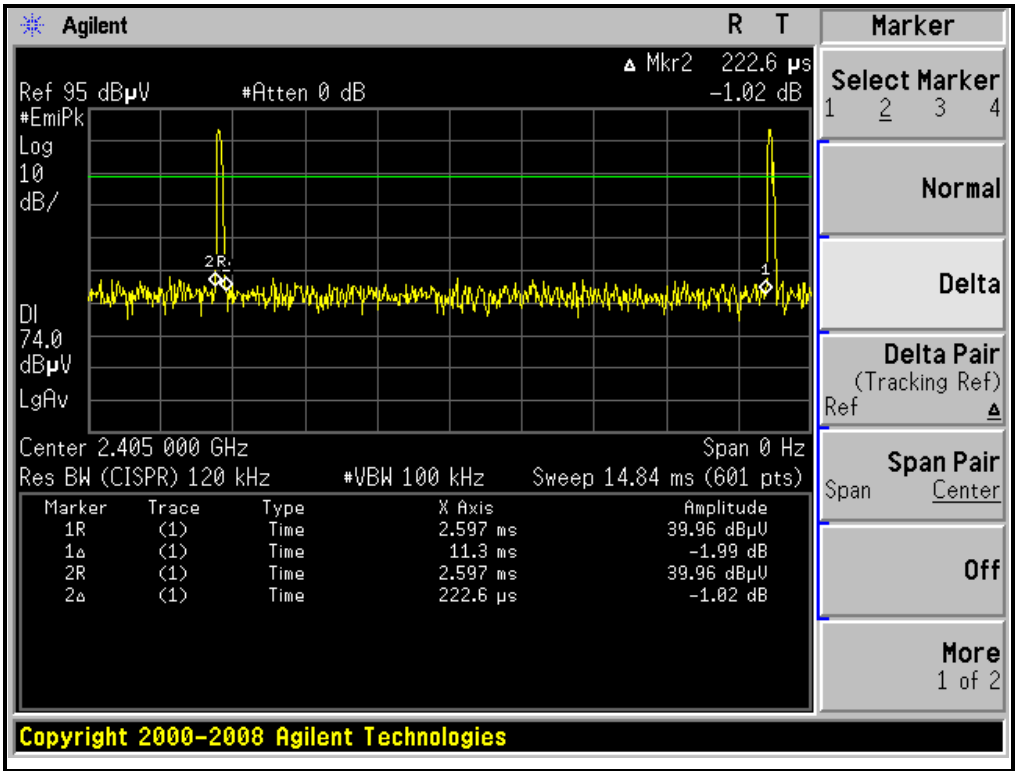
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2444.00	87.9 PK	114.0	-26.1	1.05 H	103	57.60	30.30
2	*2444.00	53.8 AV	94.0	-40.2	1.05 H	103	23.50	30.30
3	4888.00	43.6 PK	74.0	-30.4	1.05 H	313	8.10	35.50
4	4888.00	9.5 AV	54.0	-44.5	1.05 H	313	-26.00	35.50
5	7332.00	51.8 PK	74.0	-22.2	1.00 H	7	9.80	42.00
6	7332.00	17.7 AV	54.0	-36.3	1.00 H	7	-24.30	42.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2444.00	91.5 PK	114.0	-22.5	1.04 V	105	61.20	30.30
2	*2444.00	57.4 AV	94.0	-36.6	1.04 V	105	27.10	30.30
3	4888.00	46.4 PK	74.0	-27.6	1.20 V	206	10.90	35.50
4	4888.00	12.3 AV	54.0	-41.7	1.20 V	206	-23.20	35.50
5	7332.00	52.9 PK	74.0	-21.1	1.04 V	150	10.90	42.00
6	7332.00	18.8 AV	54.0	-35.2	1.04 V	150	-23.20	42.00

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency
6. The average value of fundamental frequency is: Average = Peak value + 20log(Duty cycle) Where the duty factor is calculated from following formula:
20 log (Duty cycle) = 20 log (0.2226 ms / 11.3 ms) = -34.1 dB
Please see page 16 for plotted duty.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 12	FREQUENCY RANGE	1 ~ 25GHz
INPUT POWER	DC 1.2V from battery	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	25deg. C, 60%RH 1014 hPa	TESTED BY	Kent Liu

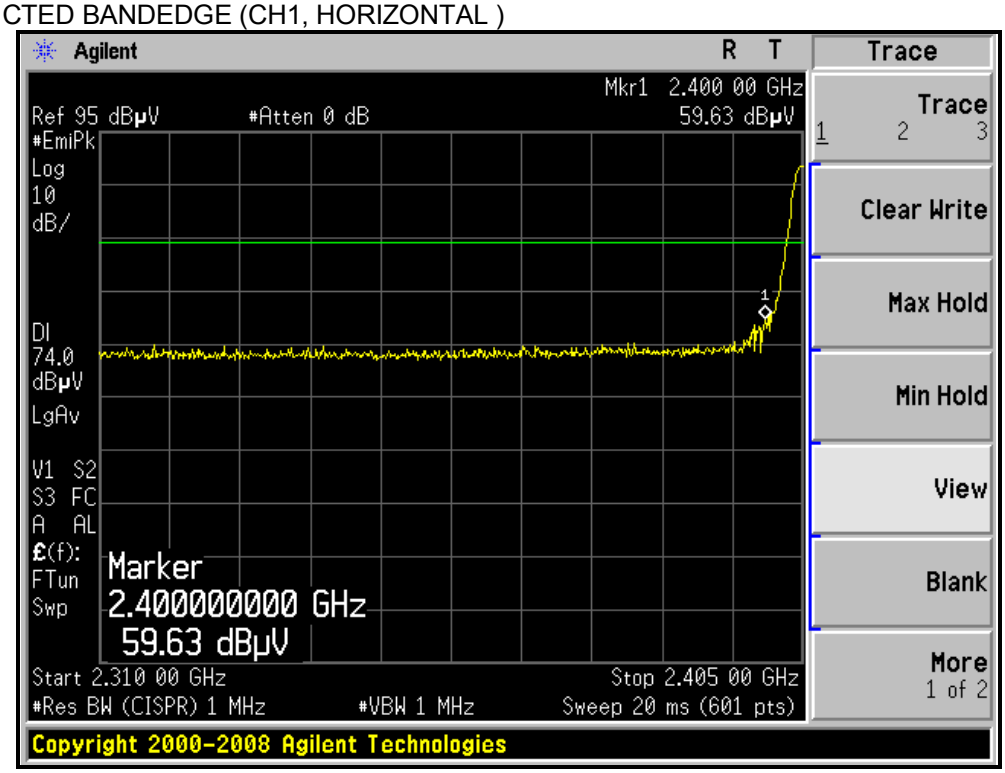
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2474.00	87.7 PK	114.0	-26.3	1.07 H	104	57.30	30.40
2	*2474.00	53.6 AV	94.0	-40.4	1.07 H	104	23.20	30.40
3	2483.93	55.7 PK	74.0	-18.3	1.07 H	104	25.30	30.40
4	2483.93	21.6 AV	54.0	-32.4	1.07 H	104	-8.80	30.40
5	4948.00	43.3 PK	74.0	-30.7	1.05 H	241	7.60	35.70
6	4948.00	9.2 AV	54.0	-44.8	1.05 H	241	-26.50	35.70
7	7422.00	52.4 PK	74.0	-21.6	1.00 H	103	10.20	42.20
8	7422.00	18.3 AV	54.0	-35.7	1.00 H	103	-23.90	42.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2474.00	91.5 PK	114.0	-22.5	1.08 V	112	61.10	30.40
2	*2474.00	57.4 AV	94.0	-36.6	1.08 V	112	27.00	30.40
3	2483.50	57.1 PK	74.0	-16.9	1.08 V	112	26.70	30.40
4	2483.50	23.0 AV	54.0	-31.0	1.08 V	112	-7.40	30.40
5	4948.00	46.9 PK	74.0	-27.1	1.31 V	224	11.20	35.70
6	4948.00	12.8 AV	54.0	-41.2	1.31 V	224	-22.90	35.70
7	7422.00	52.4 PK	74.0	-21.6	1.05 V	139	10.20	42.20
8	7422.00	18.3 AV	54.0	-35.7	1.05 V	139	-23.90	42.20

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency
6. The average value of fundamental frequency is: Average = Peak value + 20log(Duty cycle) Where the duty factor is calculated from following formula:
20 log (Duty cycle) = 20 log (0.2226 ms / 11.3 ms) = -34.1 dB
Please see page 16 for plotted duty.

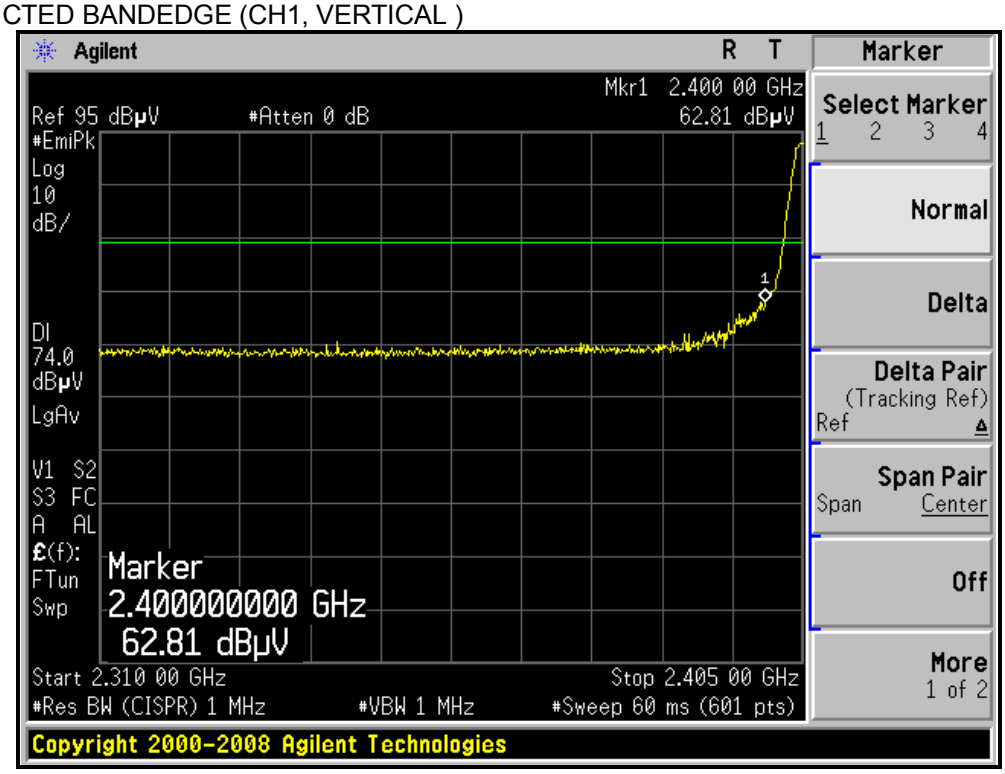


20 log (Duty cycle) = 20 log (0.2226 ms / 11.3 ms) = -34.1 dB

RESTRICTED BANDEDGE (CH1, HORIZONTAL)

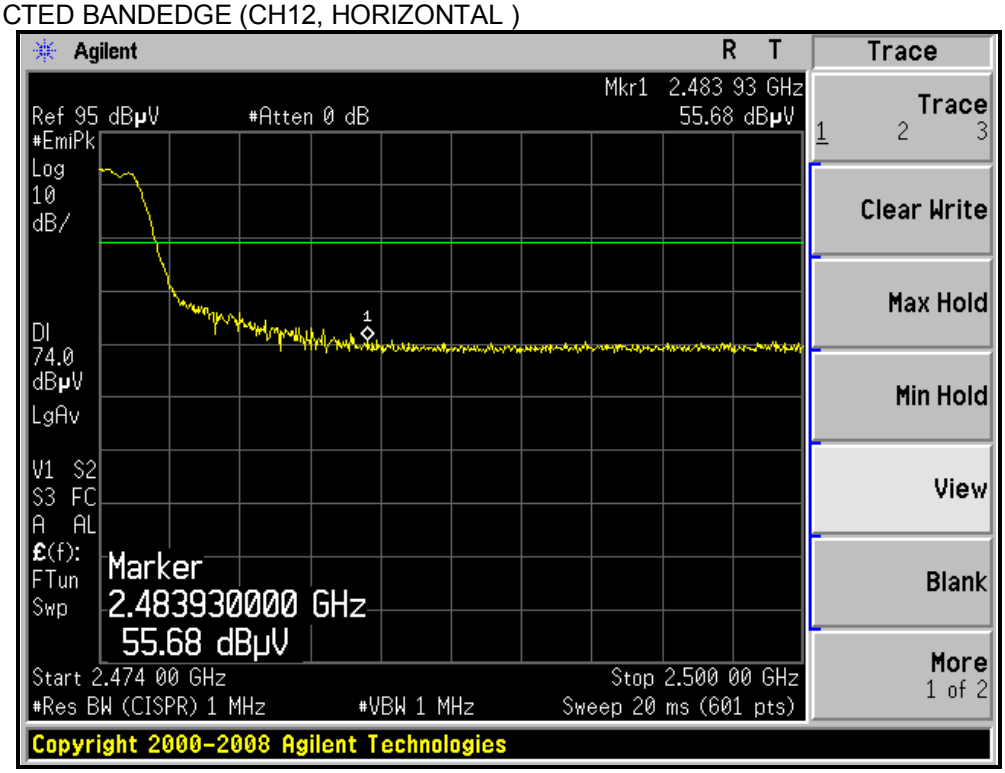


RESTRICTED BANDEDGE (CH1, VERTICAL)

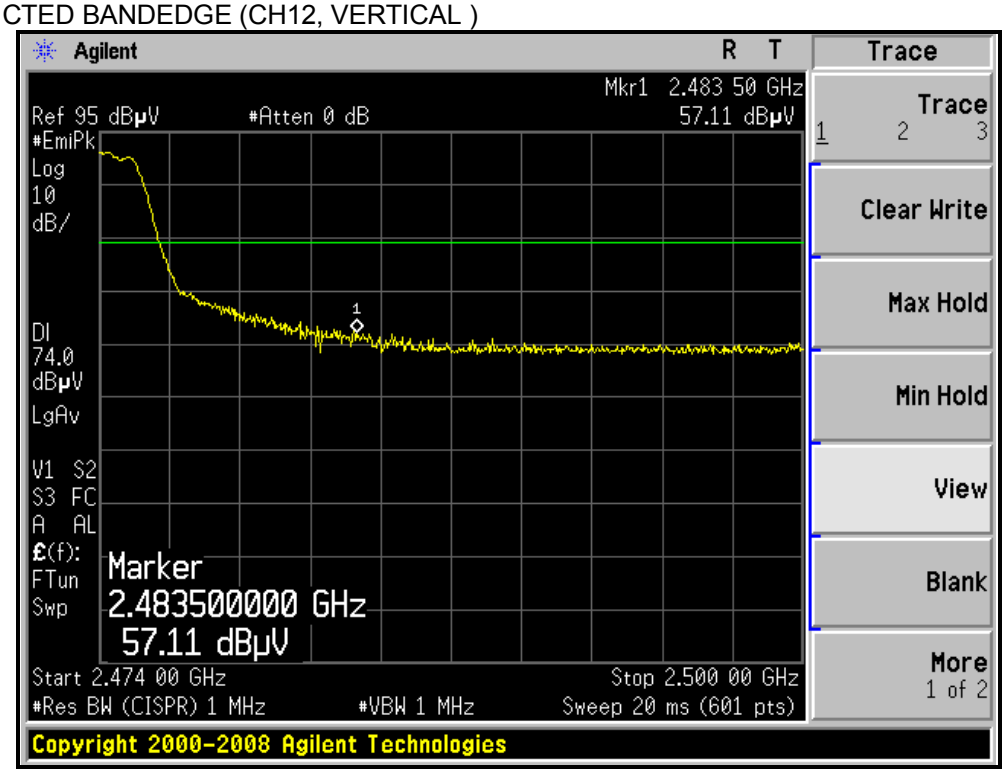


* The average value of fundamental frequency is: Average = Peak value + 20log(Duty cycle). And it meets the requirement of limit.

RESTRICTED BANDEDGE (CH12, HORIZONTAL)



RESTRICTED BANDEDGE (CH12, VERTICAL)



* The average value of fundamental frequency is: Average = Peak value + 20log(Duty cycle). And it meets the requirement of limit.

4.2 CONDUCTED - OUT BAND MEASUREMENT

4.2.1 LIMITS OF CONDUCTED - OUT BAND MEASUREMENT

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
R&S SPECTRUM ANALYZER	FSP40	100036	Dec. 18, 2009	Dec. 17, 2010

NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.2.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 300 MHz bandwidth from band edge. The band edges was measured and recorded.

4.2.4 DEVIATION FROM TEST STANDARD

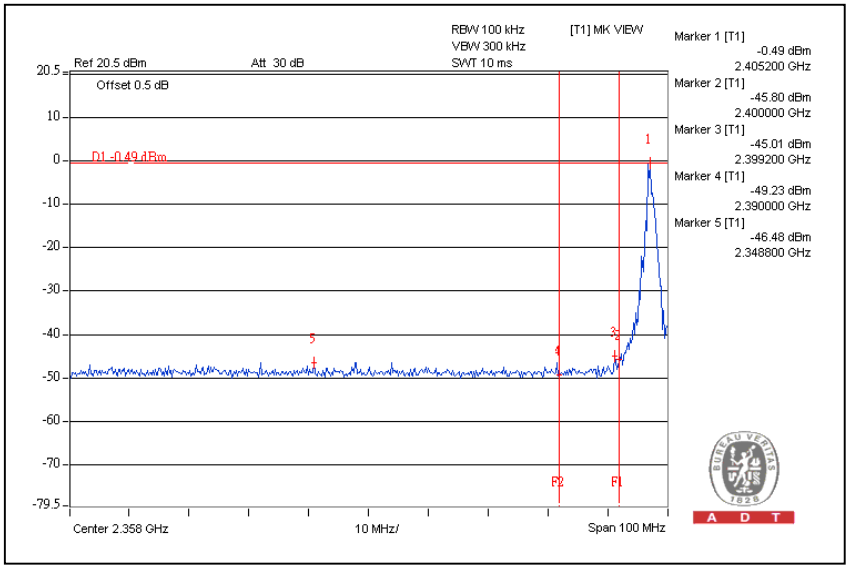
No deviation

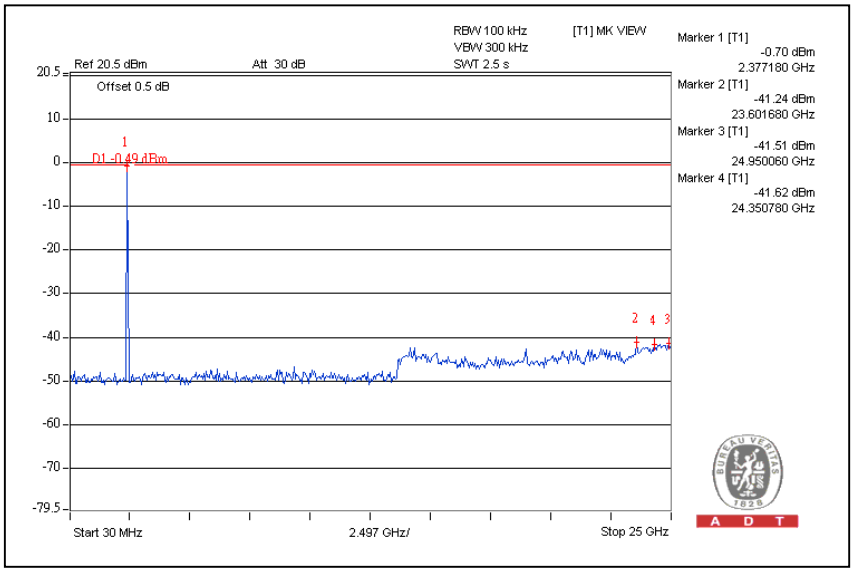
4.2.5 EUT OPERATING CONDITION

The software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel frequencies individually.

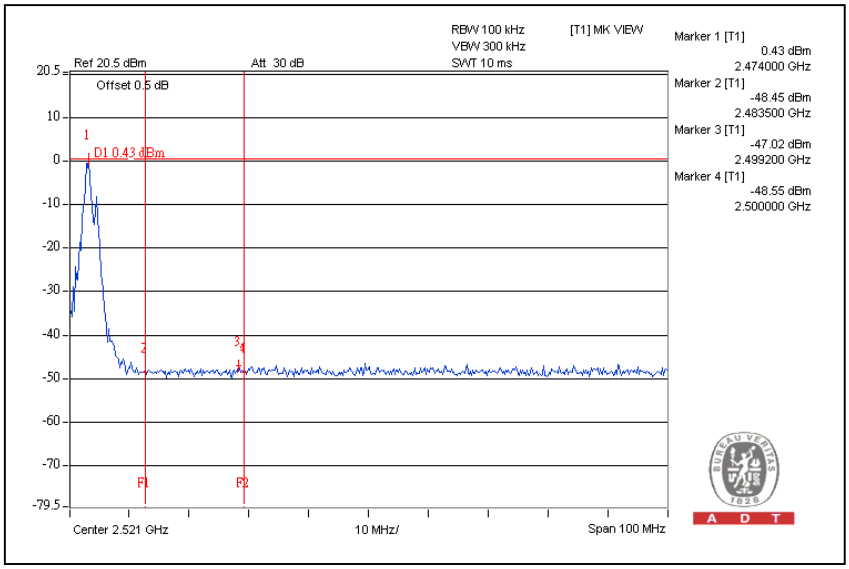
4.2.6 TEST RESULTS

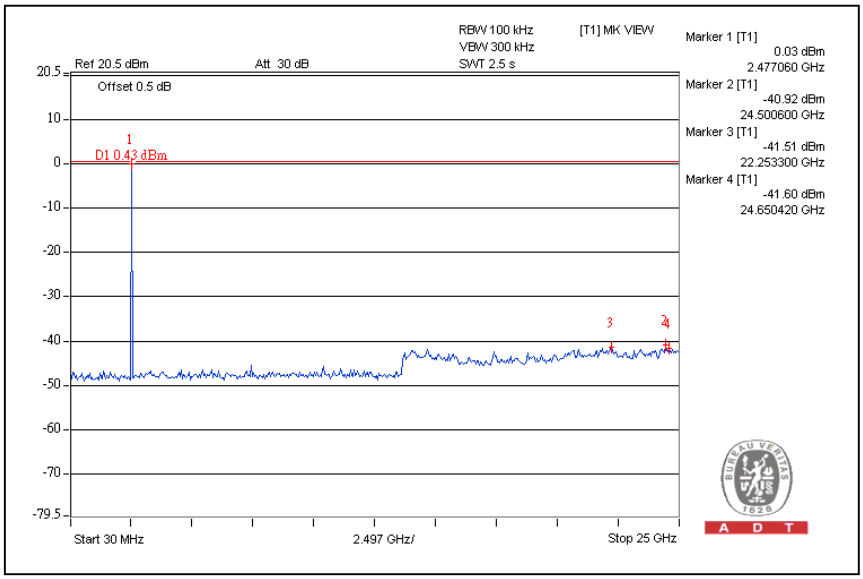
Emissions radiated outside of the specified frequency bands, please refer below pages for met the requirement of the general radiated emission limits in § 15.209.
CH1





CH12


RBW 100 kHz
VBW 300 kHz
SWT 10 ms
[T1] MK VIEW
Marker 1 [T1]
0.43 dBm
2.474000 GHz
Marker 2 [T1]
-48.45 dBm
2.483500 GHz
Marker 3 [T1]
-47.02 dBm
2.499200 GHz
Marker 4 [T1]
-48.55 dBm
2.500000 GHz
Ref 20.5 dBm
Att 30 dB
Offset 0.5 dB
D1 0.43 dBm
Center 2.521 GHz
10 MHz/
Span 100 MHz


RBW 100 kHz
VBW 300 kHz
SWT 2.5 s
[T1] MK VIEW
Marker 1 [T1]
0.03 dBm
2.477060 GHz
Marker 2 [T1]
-40.92 dBm
24.500600 GHz
Marker 3 [T1]
-41.51 dBm
22.253300 GHz
Marker 4 [T1]
-41.60 dBm
24.650420 GHz
Ref 20.5 dBm
Att 30 dB
Offset 0.5 dB
D1 0.43 dBm
Start 30 MHz
2.497 GHz/
Stop 25 GHz

5 INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025:

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26052943

Hsin Chu EMC/RF Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/Telecom Lab:
Tel: 886-3-3183232
Fax: 886-3-3185050

Email: service@adt.com.tw
Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.

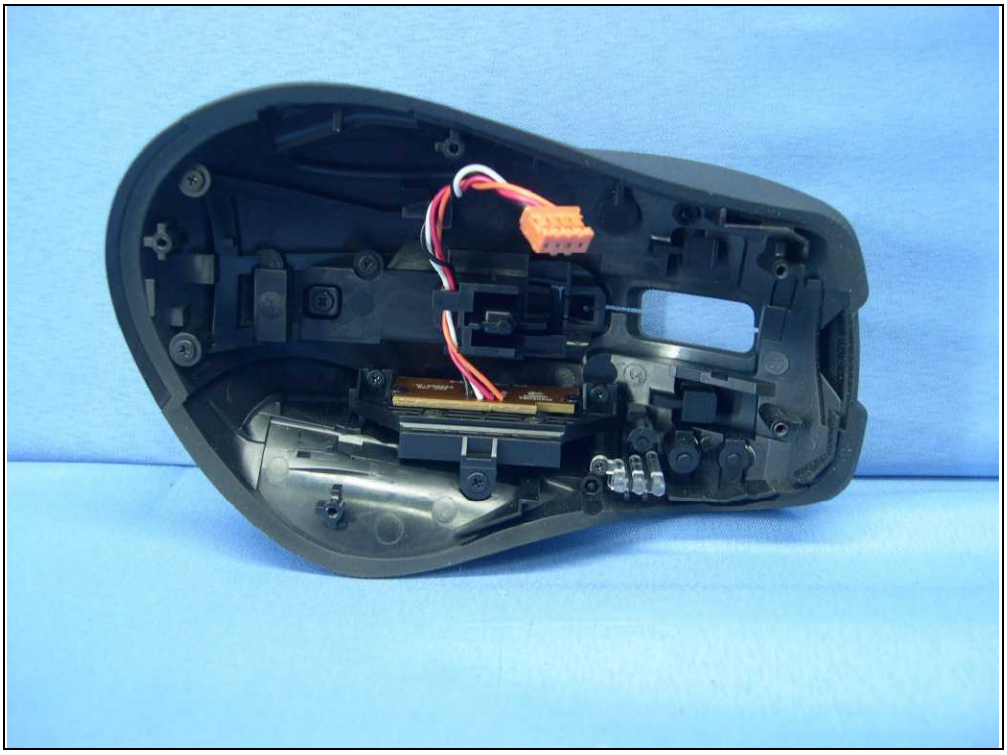
6 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

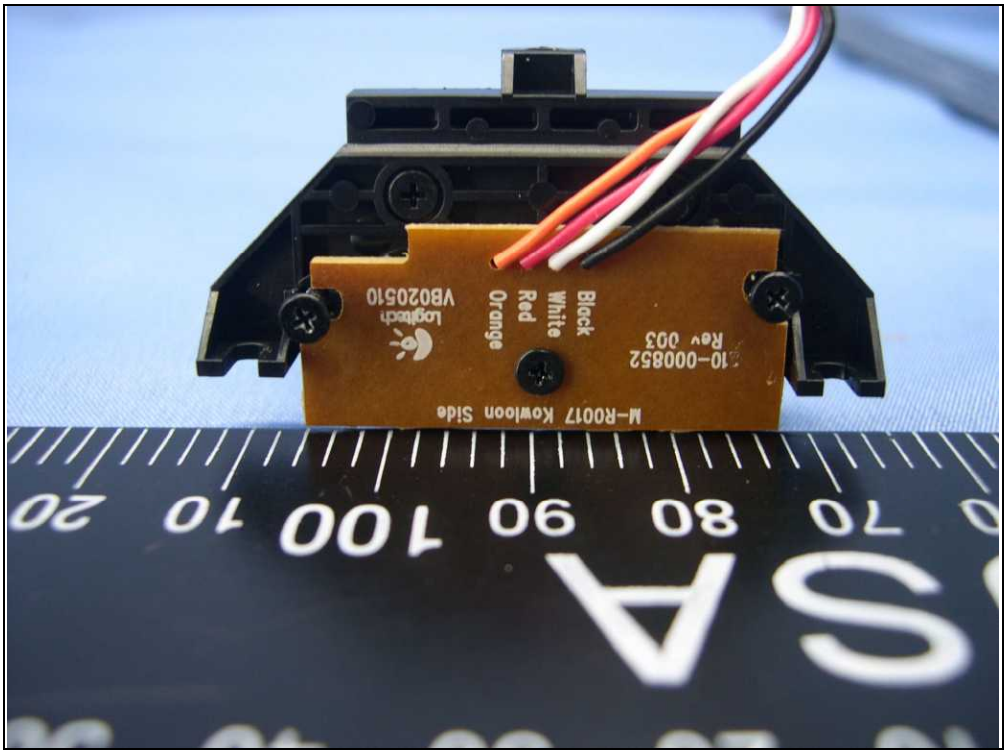
No any modifications are made to the EUT by the lab during the test.

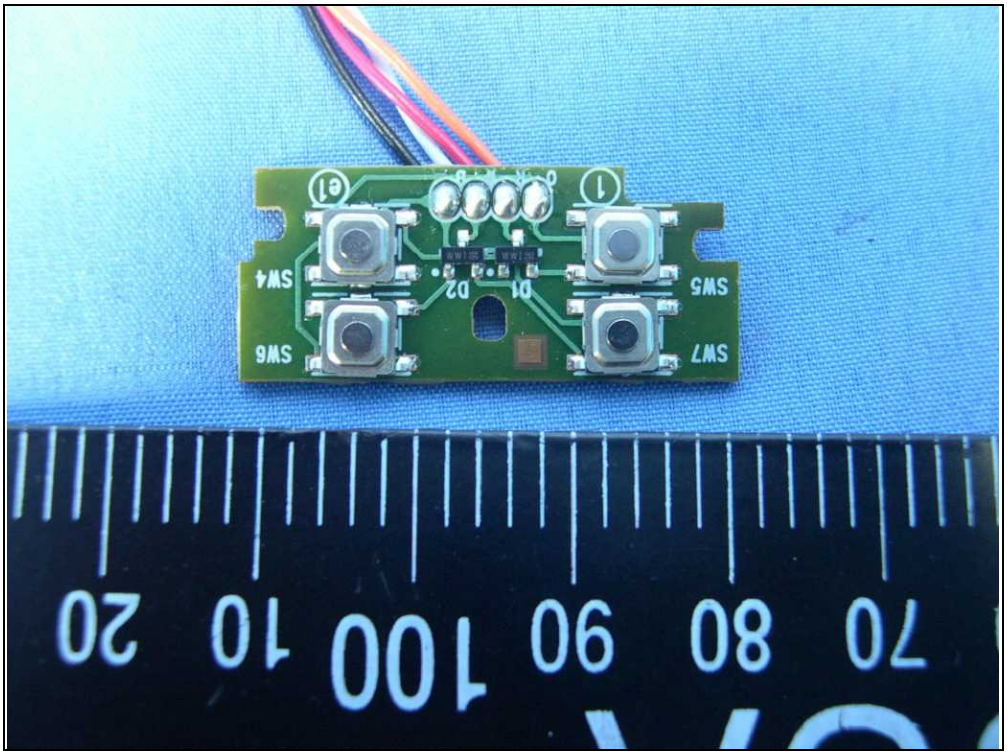
--- END ---

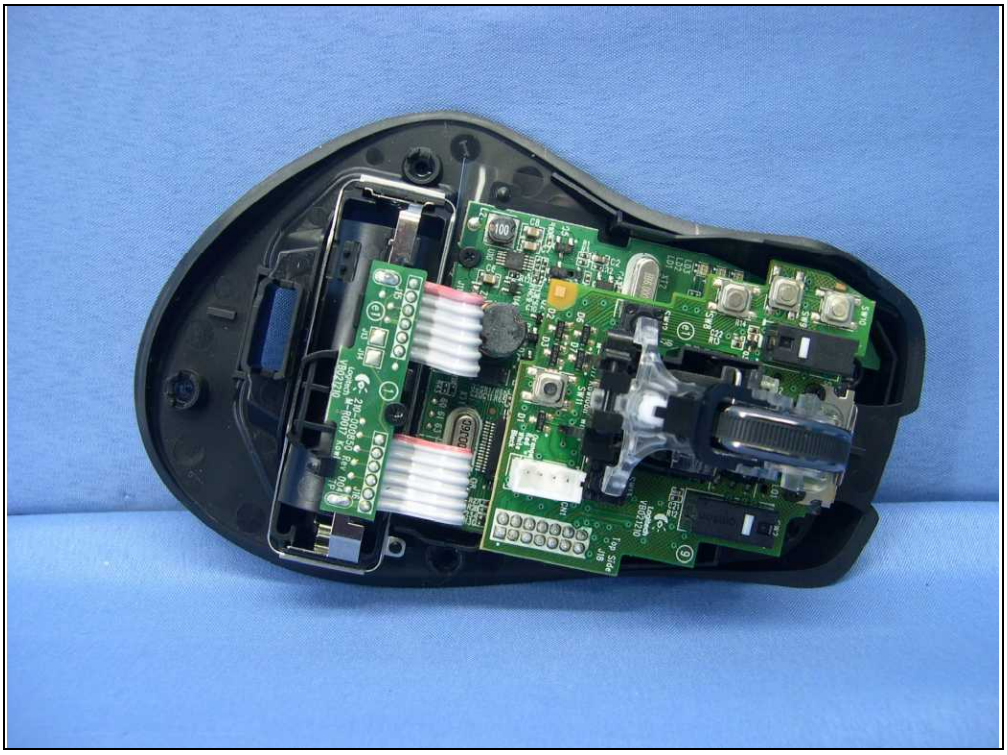
CONSTRUCTION PHOTOS OF EUT

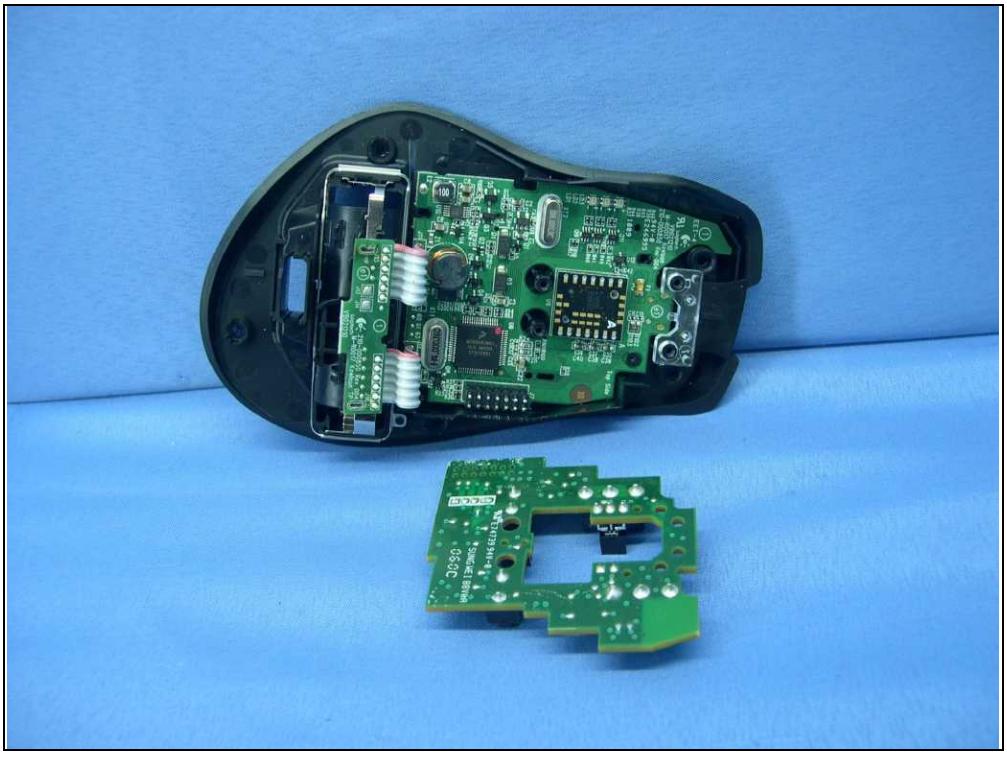

G700
Logitech
OFF ON
M/N: M-R0017
P/N: 810-001784
P/D: LT01101
Made in China
ONLY USE
NiMH BATTERIES
Rechargeable
1.2V

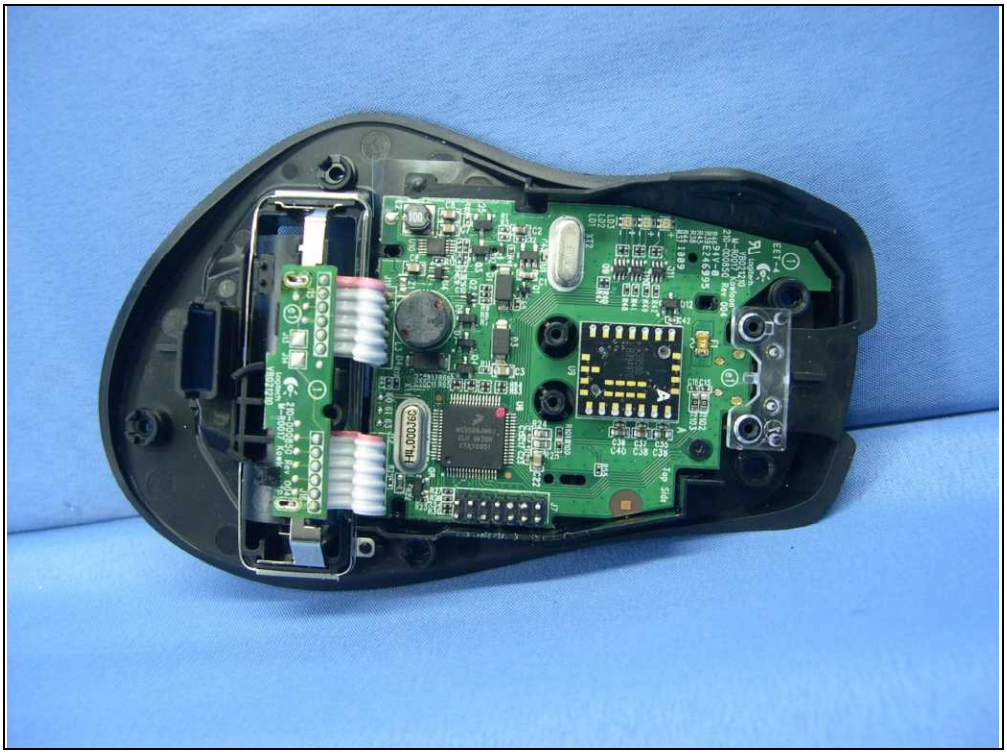


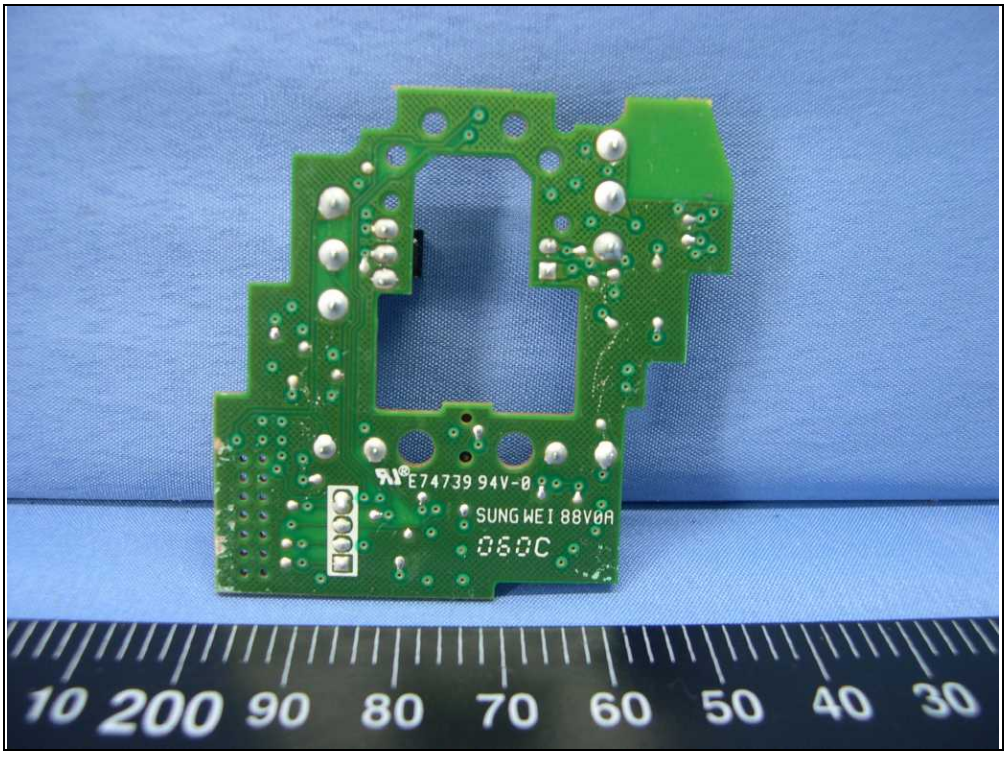

Black
White
Red
Orange
M-R0017 Kowloon Side

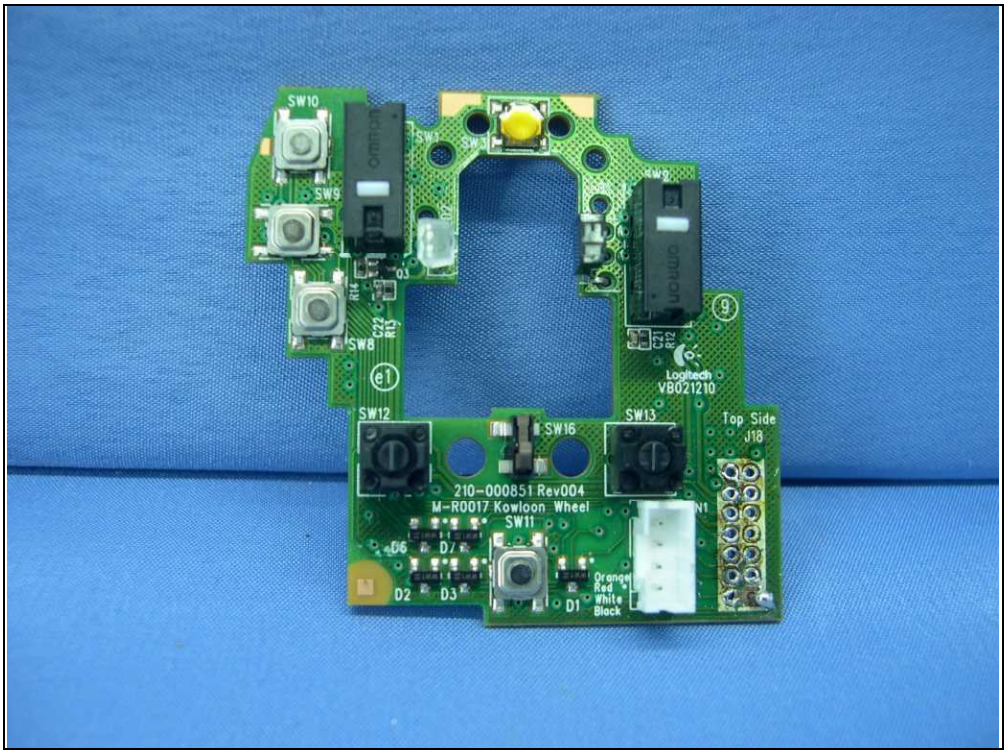

SW4
SW5
SW6
SW7
D1
D2

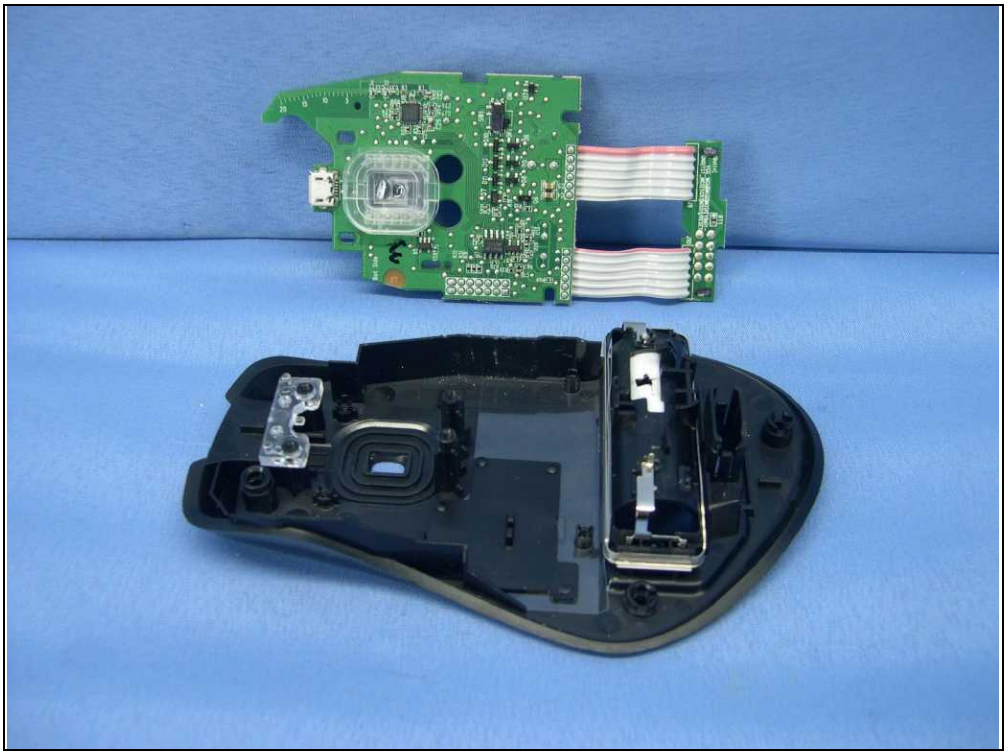


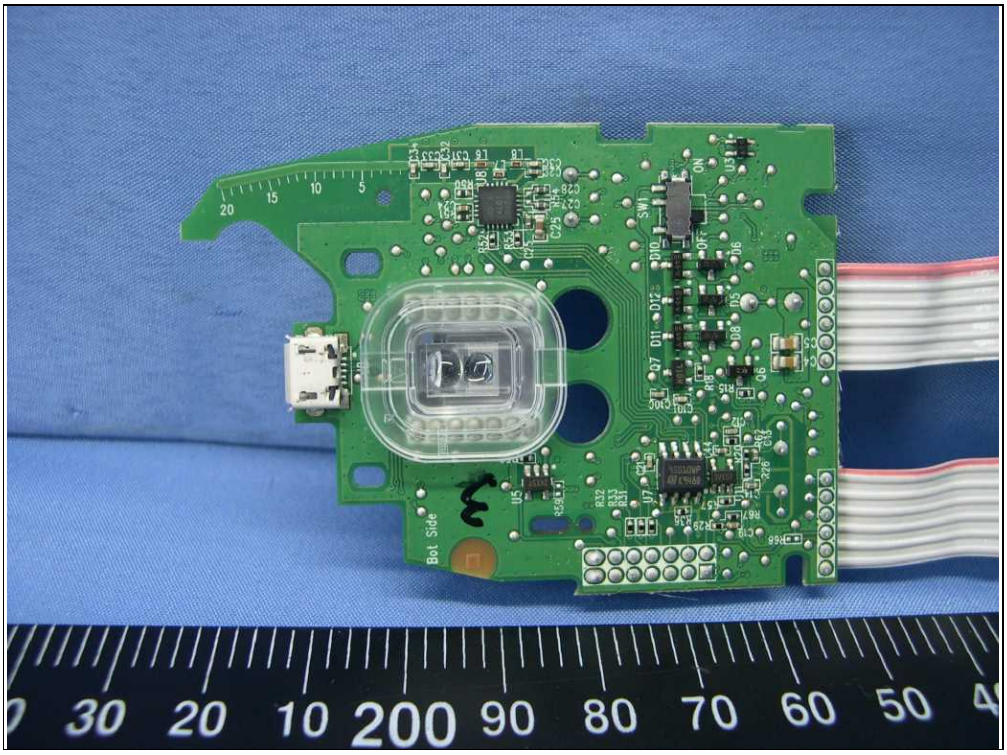


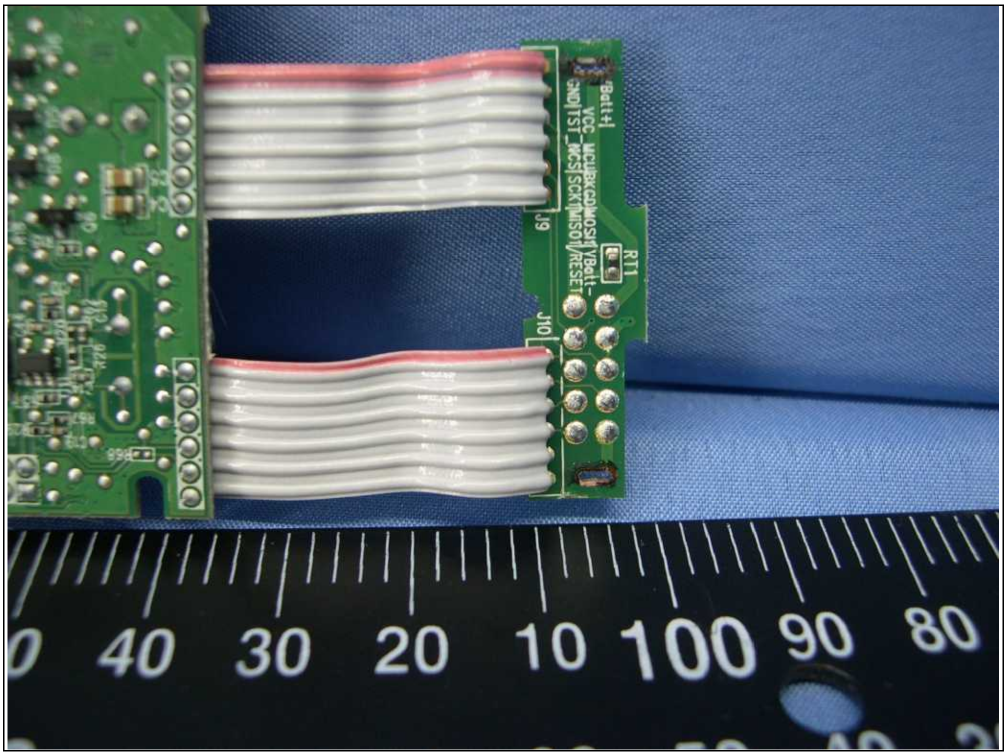


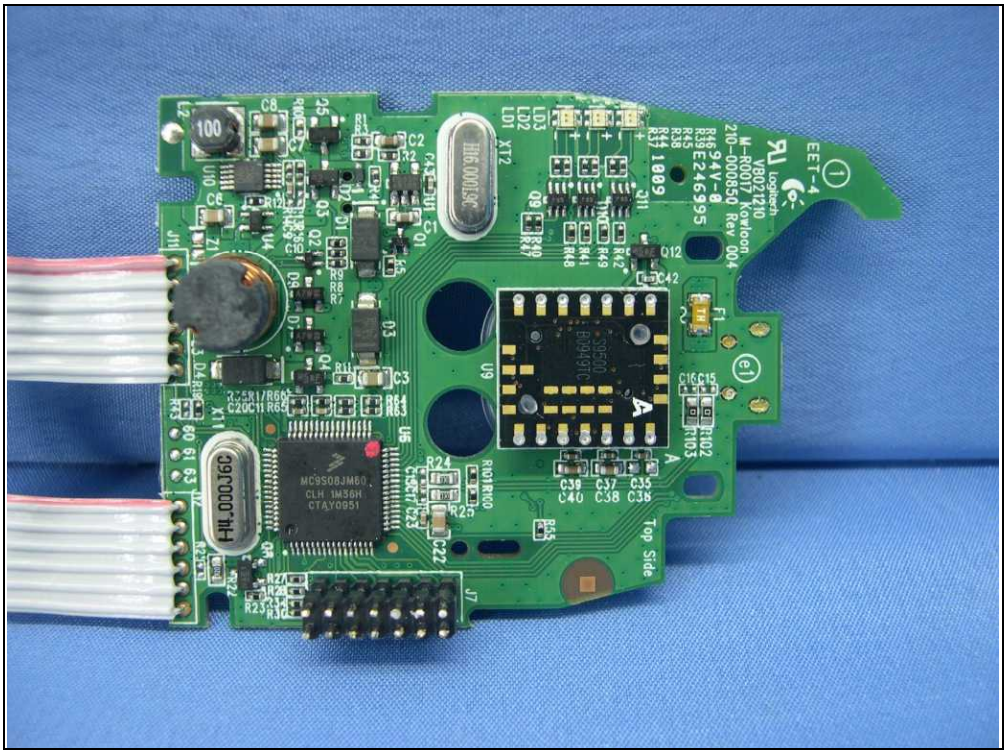

E74739 94V-0
SUNG WEI 88V0A
060C
10 200 90 80 70 60 50 40 30

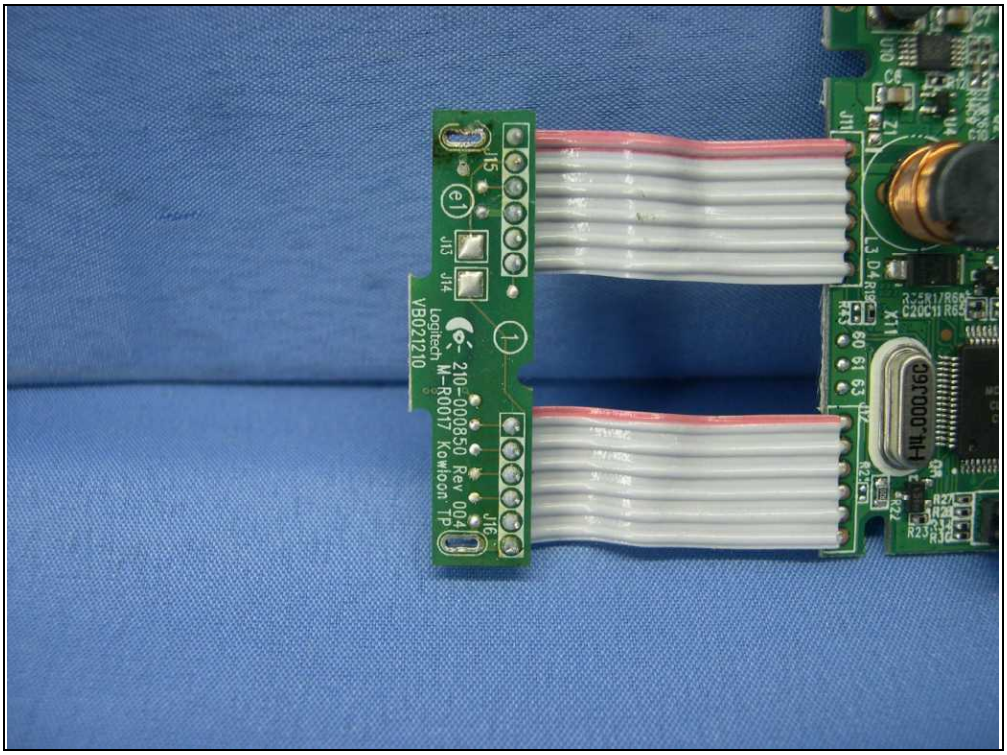

SW10
SW9
SW8
SW1
SW2
SW12
SW16
SW13
SW11
Top Side
J18
210-000851 Rev004
M-R0017 Kowloon Wheel
Logitech
VB021210
D1
D2
D3
Orange
Red
White
Black




30 20 10 200 90 80 70 60 50


40 30 20 10 100 90 80


MC9S08JM60
Top Side


Logitech
210-000850 Rev 004
M-R0017 Kowloon TP

USB Cable (Brand: JEM)

USB Cable (Brand: SINBON)