EUT	Pestoptix camera	**Model Name**	EPM001
Temperature	25°C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHZ	**Antenna**	Vertical

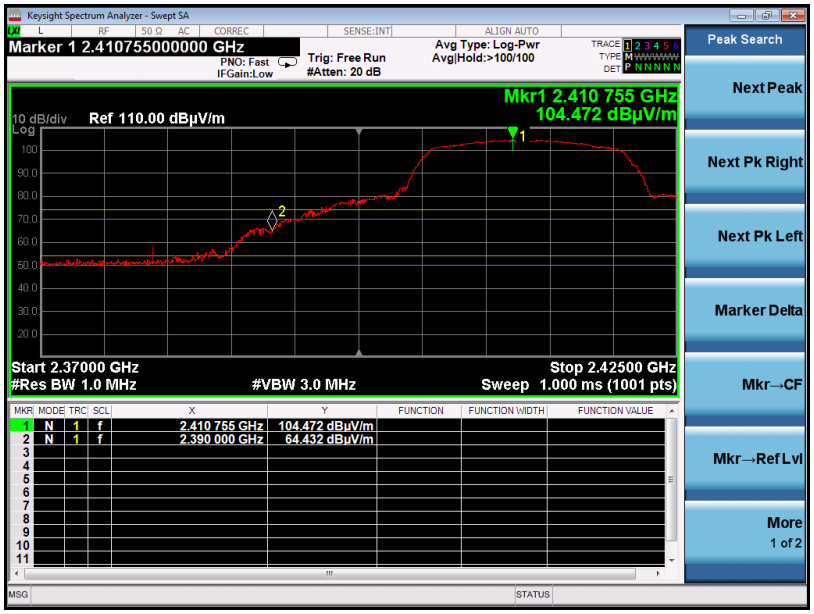
PK

AV

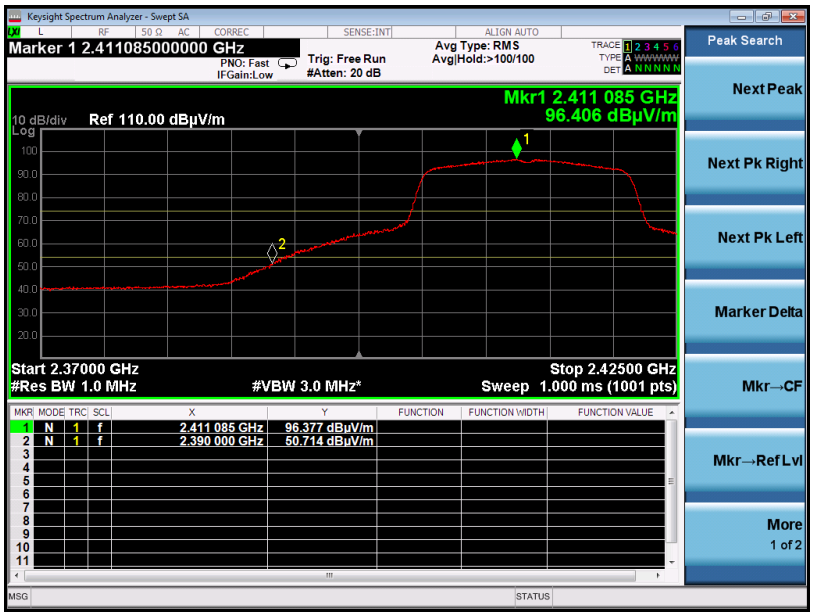
RESULT: PASS

EUT	Pestoptix camera	**Model Name**	EPM001
Temperature	25˚C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	**Antenna**	Horizontal

PK



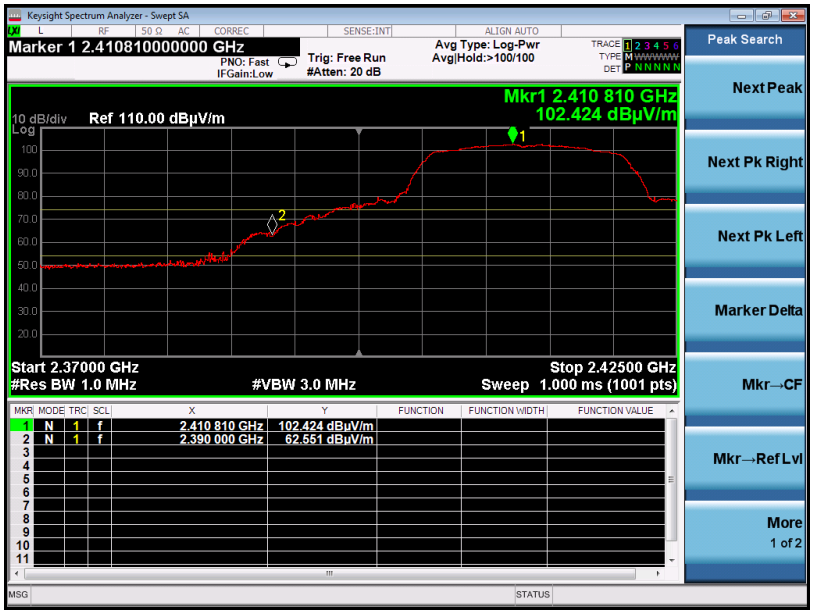
AV



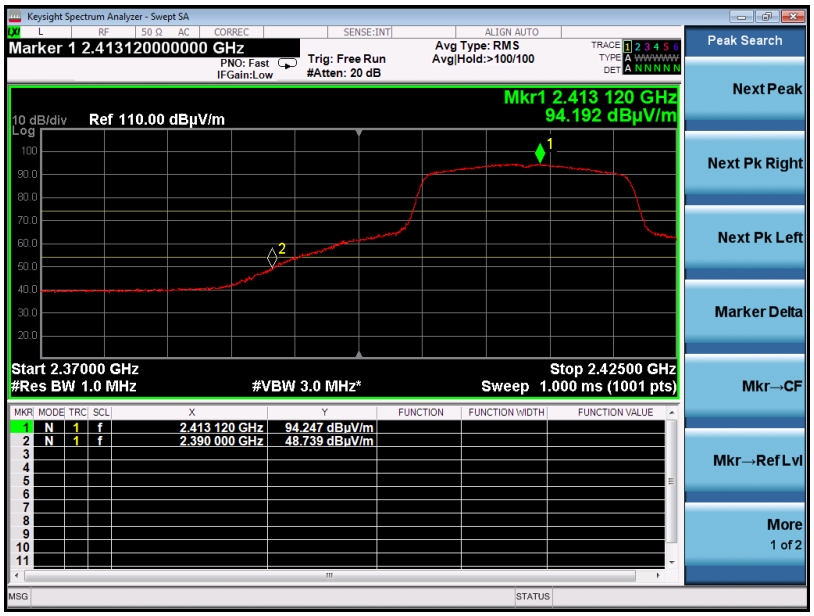
RESULT: PASS

EUT	Pestoptix camera	**Model Name**	EPM001
Temperature	25˚C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	**Antenna**	Vertical

PK



AV

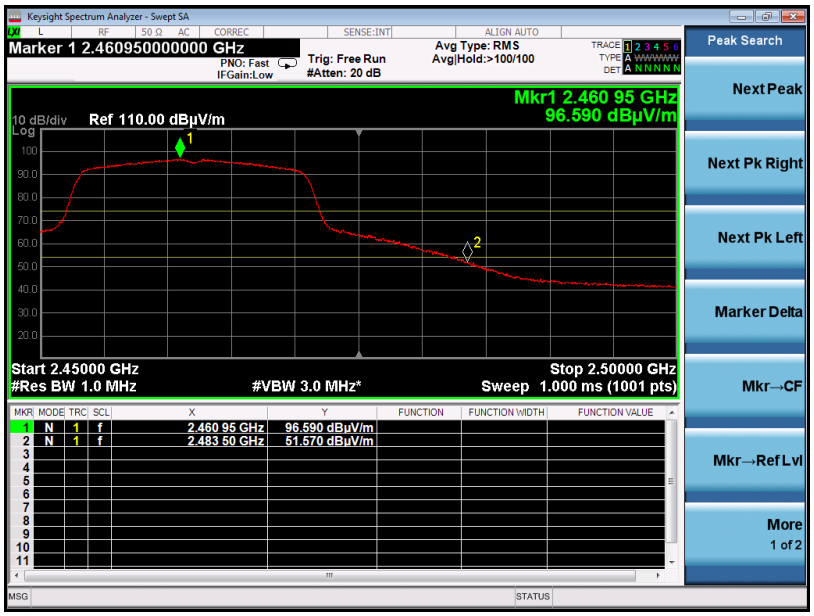


RESULT: PASS

EUT	Pestoptix camera	**Model Name**	EPM001
Temperature	25˚C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	**Antenna**	Horizontal

PK

AV



RESULT: PASS

EUT	Pestoptix camera	**Model Name**	EPM001
Temperature	25˚C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	**Antenna**	Vertical

PK

AV

RESULT: PASS

EUT	Pestoptix camera	**Model Name**	EPM001
Temperature	25˚C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	**Antenna**	Horizontal

PK

AV

RESULT: PASS

EUT	Pestoptix camera	**Model Name**	EPM001
Temperature	25˚C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	**Antenna**	Vertical

PK

AV

RESULT: PASS

EUT	Pestoptix camera	**Model Name**	EPM001
Temperature	25˚C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n 40with data rate 13.5 2452MHZ	**Antenna**	Horizontal

PK

AV

RESULT: PASS

EUT	Pestoptix camera	**Model Name**	EPM001
Temperature	25˚C	**Relative Humidity**	55.4%
Pressure	960hPa	**Test Voltage**	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2452MHZ	**Antenna**	Vertical

PK

AV

RESULT: PASS

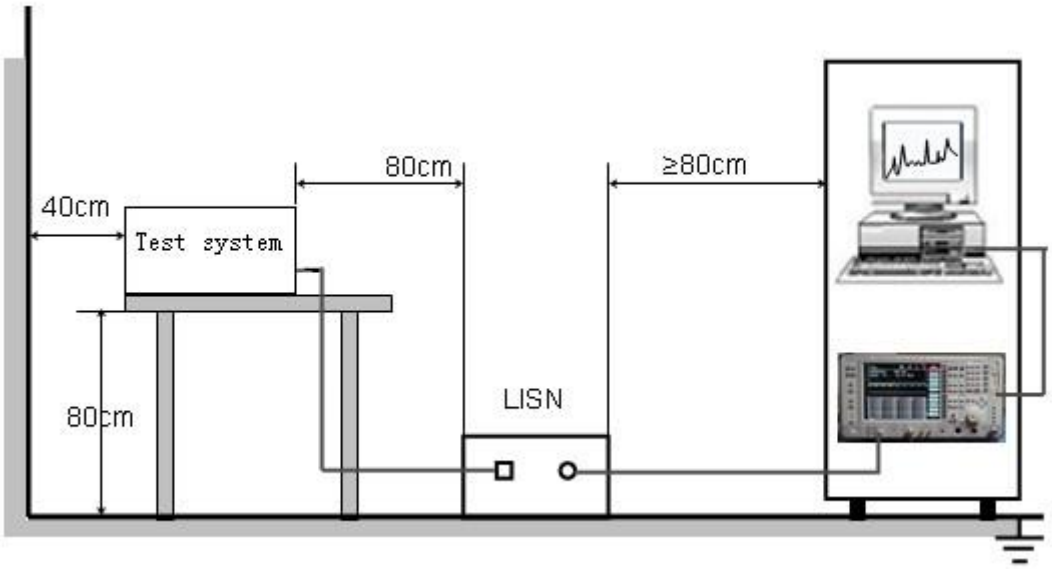
13. FCC LINE CONDUCTED EMISSION TEST

13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	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



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.

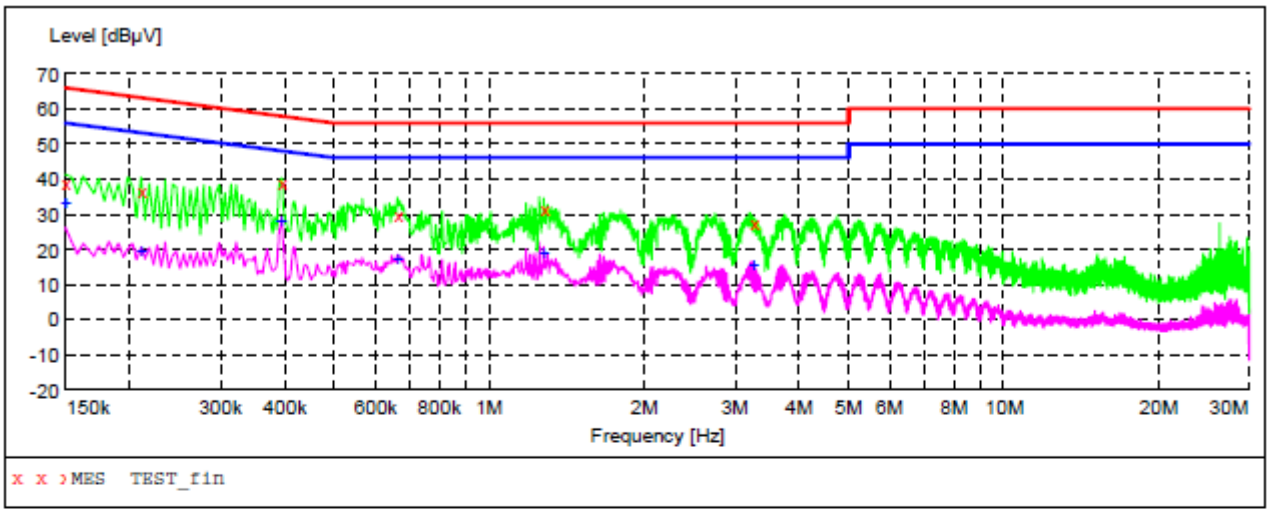
(7) During the above scans, the emissions were maximized by cable manipulation.

(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.

13.4. TEST RESULT OF LINE CONDUCTED EMISSION TEST

LINE CONDUCTED EMISSION TEST-L1



MEASUREMENT RESULT: "TEST_fin"

9/10/2019 11:52AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	38.70	10.8	66	27.3	QP	L1	FLO
0.210000	36.80	10.9	63	26.4	QP	L1	FLO
0.394000	38.90	10.3	58	19.1	QP	L1	FLO
0.662000	29.90	10.5	56	26.1	QP	L1	FLO
1.274000	31.40	11.5	56	24.6	QP	L1	FLO
3.262000	27.60	11.5	56	28.4	QP	L1	FLO

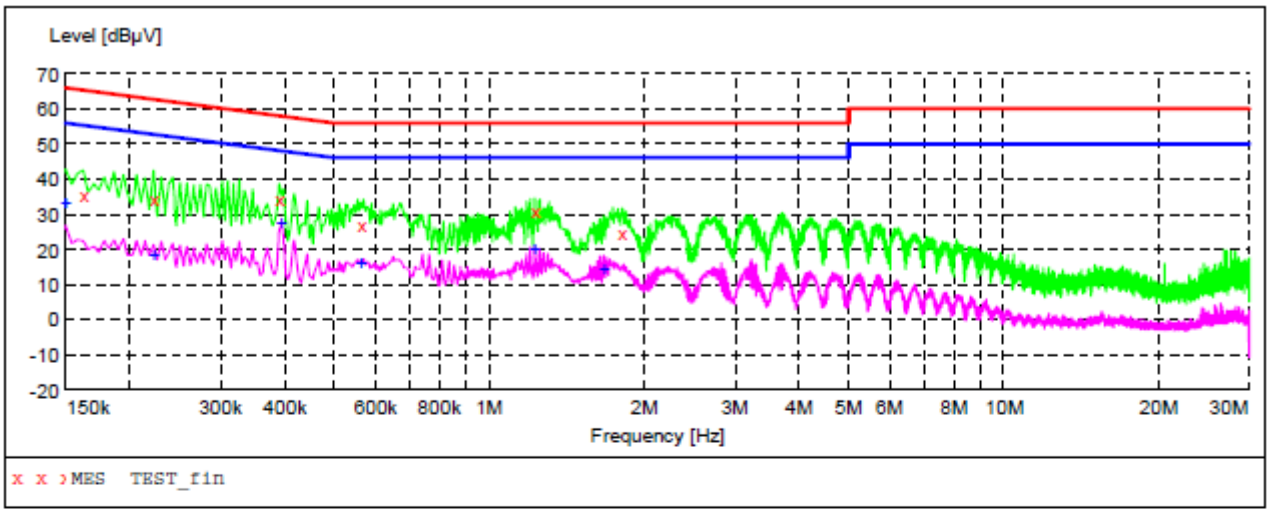
MEASUREMENT RESULT: "TEST_fin2"

9/10/2019 11:52AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	33.30	10.8	56	22.7	AV	L1	FLO
0.210000	19.40	10.9	53	33.8	AV	L1	FLO
0.394000	28.00	10.3	48	20.0	AV	L1	FLO
0.662000	17.40	10.5	46	28.6	AV	L1	FLO
1.274000	18.90	11.5	46	27.1	AV	L1	FLO
3.262000	15.30	11.5	46	30.7	AV	L1	FLO

RESULT: PASS

LINE CONDUCTED EMISSION TEST-N



MEASUREMENT RESULT: "TEST_fin"

9/10/2019 11:46AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.162000	35.40	10.8	65	30.0	QP	N	FLO
0.222000	34.30	10.9	63	28.4	QP	N	FLO
0.390000	34.60	10.4	58	23.5	QP	N	FLO
0.562000	26.90	10.9	56	29.1	QP	N	FLO
1.226000	30.90	11.5	56	25.1	QP	N	FLO
1.806000	25.00	11.5	56	31.0	QP	N	FLO

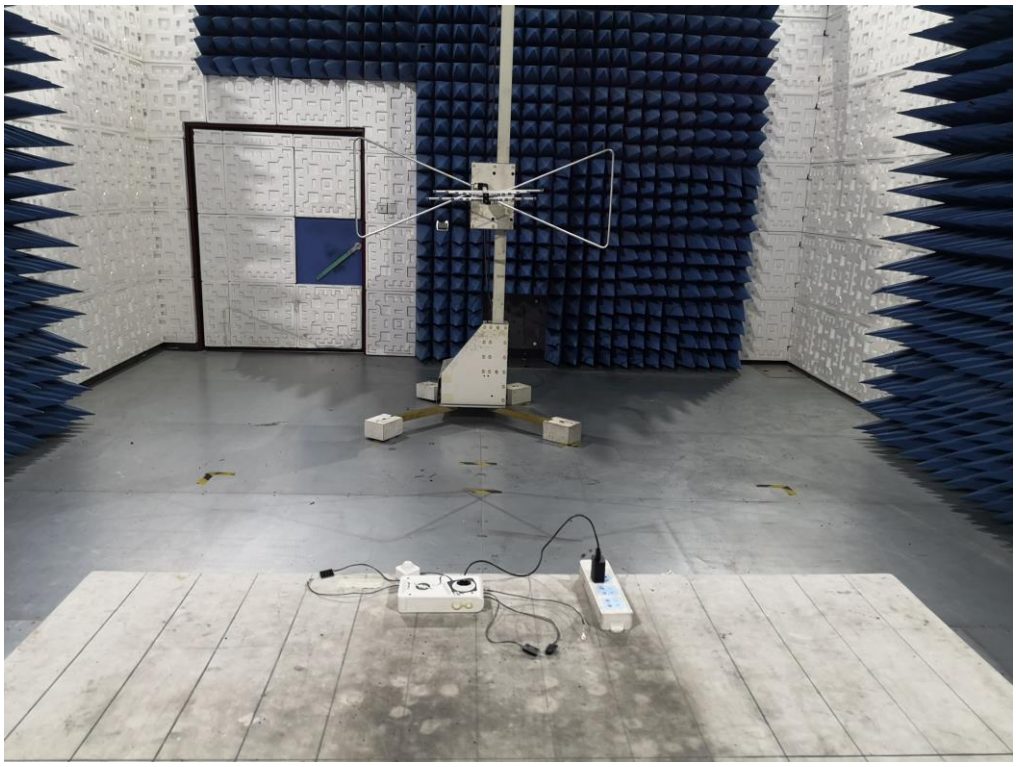
MEASUREMENT RESULT: "TEST_fin2"

9/10/2019 11:46AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	33.30	10.8	56	22.7	AV	N	FLO
0.222000	18.20	10.9	53	34.5	AV	N	FLO
0.394000	27.60	10.3	48	20.4	AV	N	FLO
0.562000	16.10	10.9	46	29.9	AV	N	FLO
1.226000	20.10	11.5	46	25.9	AV	N	FLO
1.670000	14.30	11.5	46	31.7	AV	N	FLO

APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ



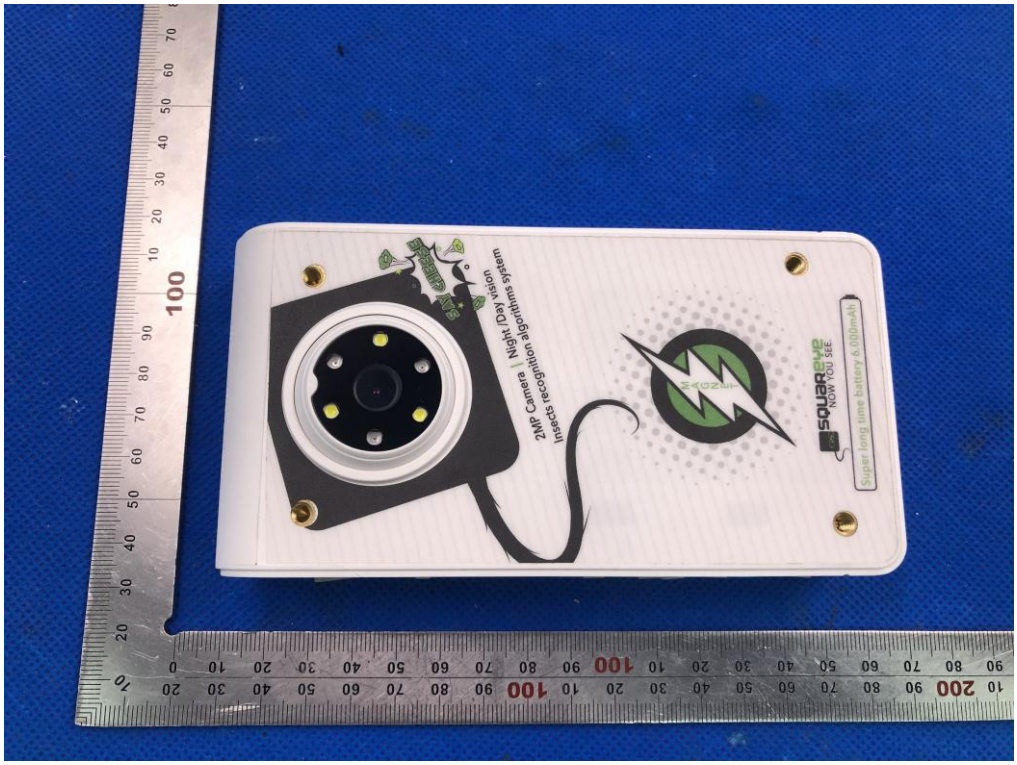
FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ

FCC CONDUCTED EMISSION TEST SETUP

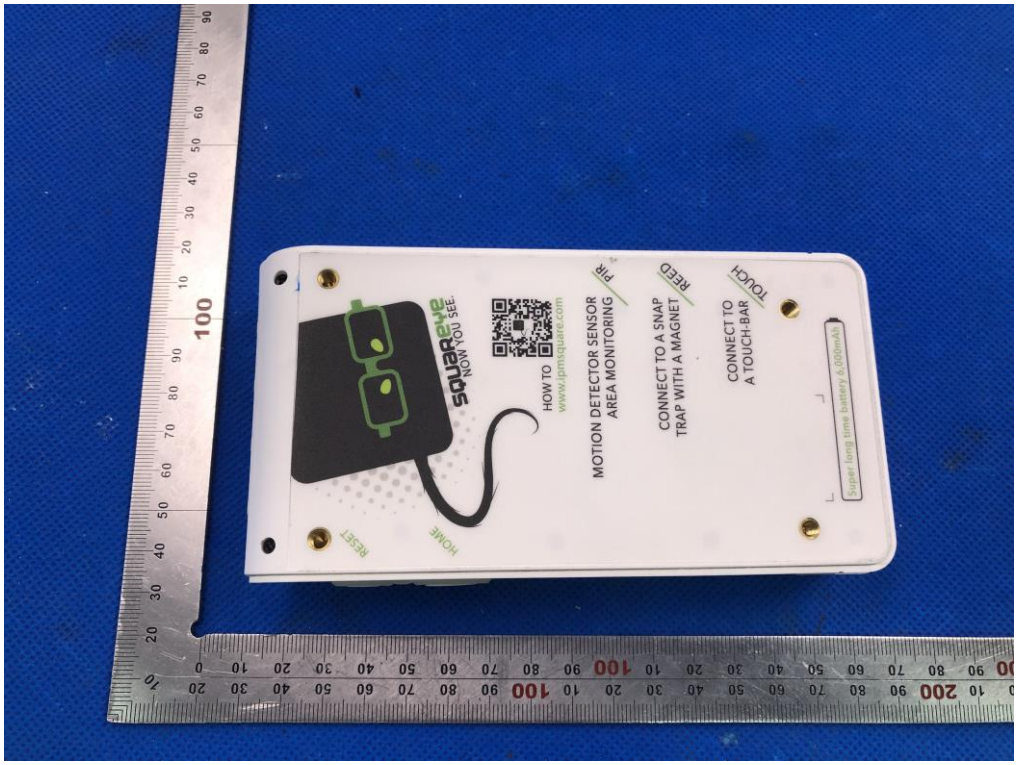
APPENDIX B: PHOTOGRAPHS OF EUT

ALL VIEW OF EUT

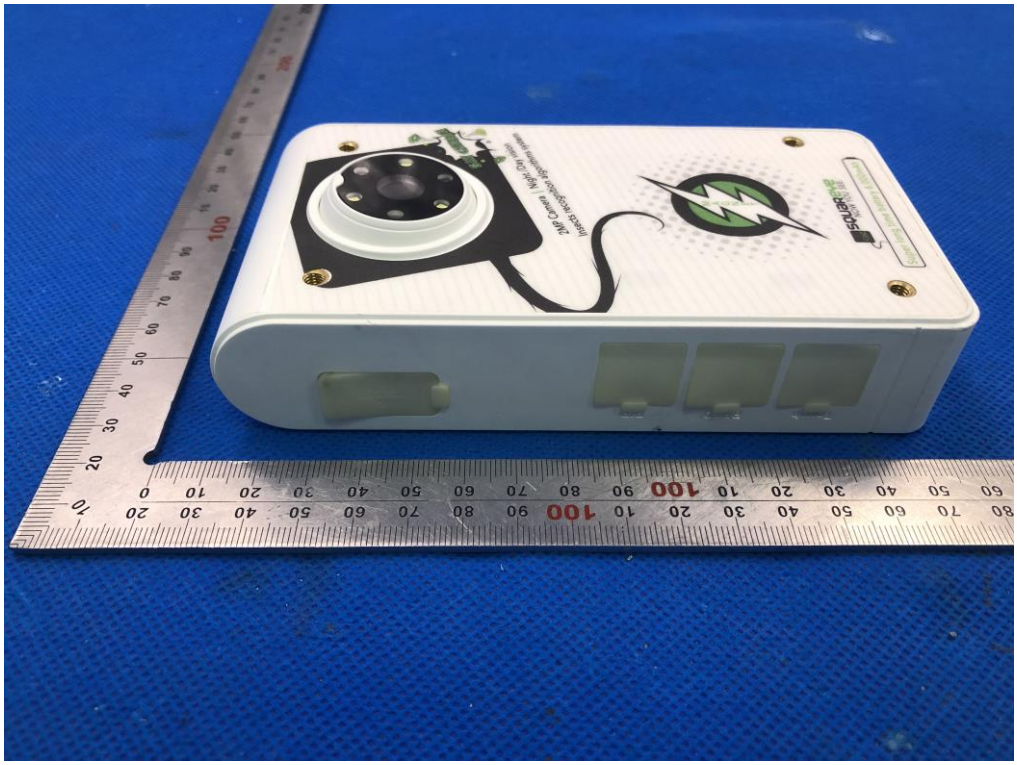
TOP VIEW OF EUT



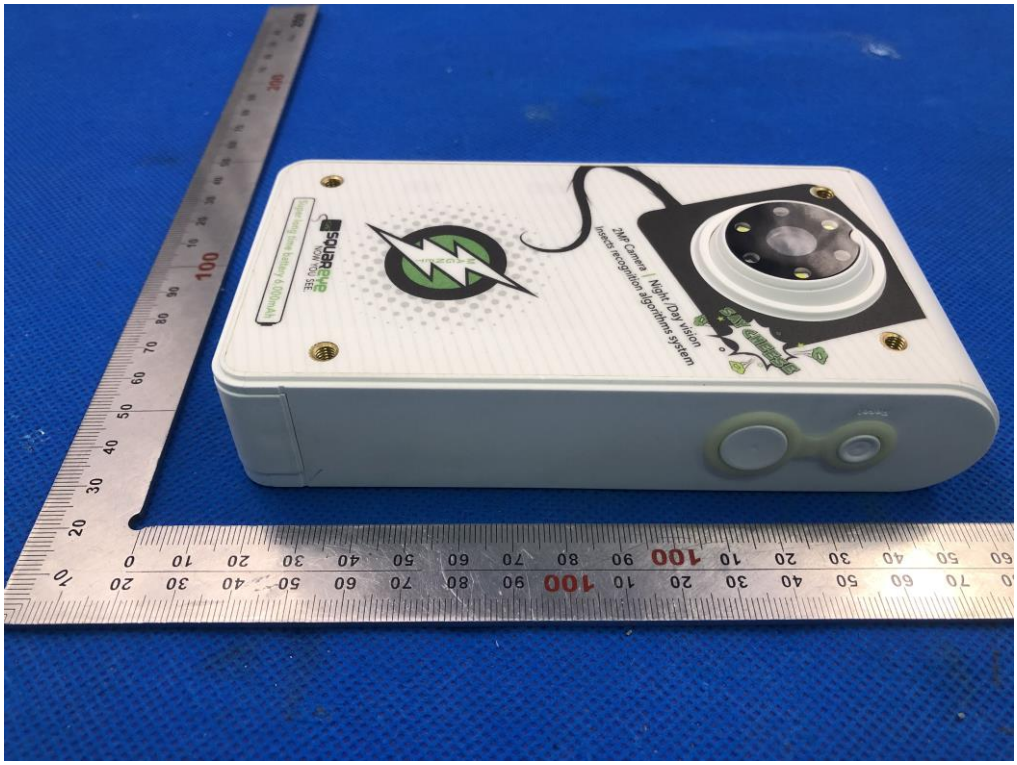
BOTTOM VIEW OF EUT



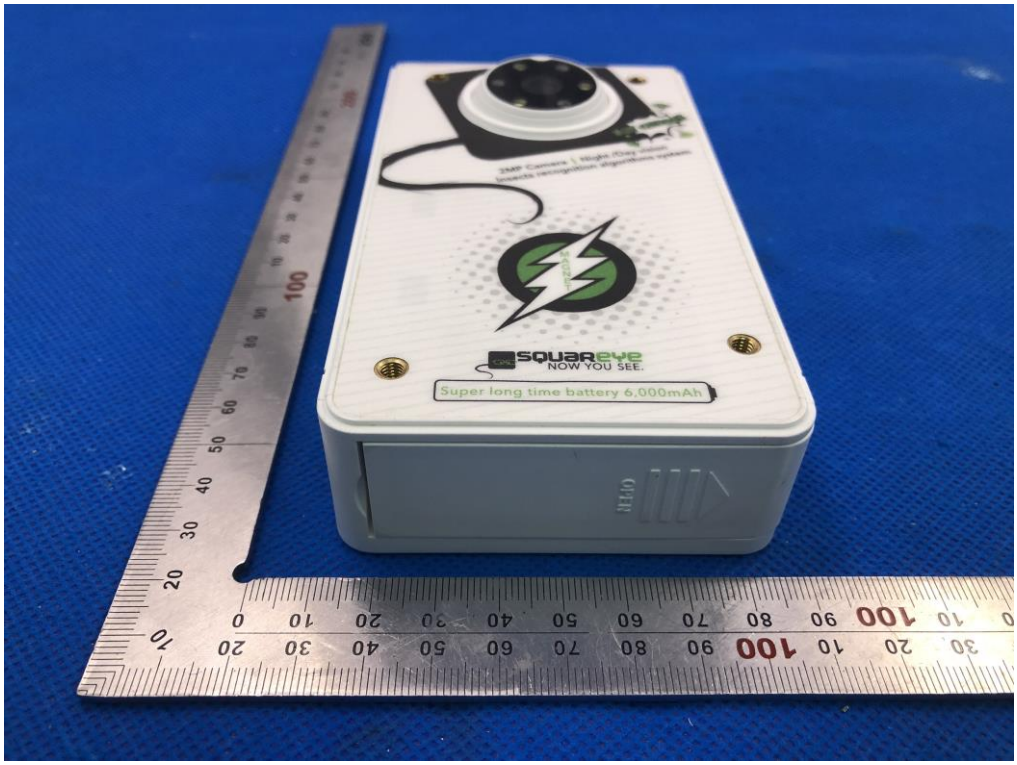
FRONT VIEW OF EUT



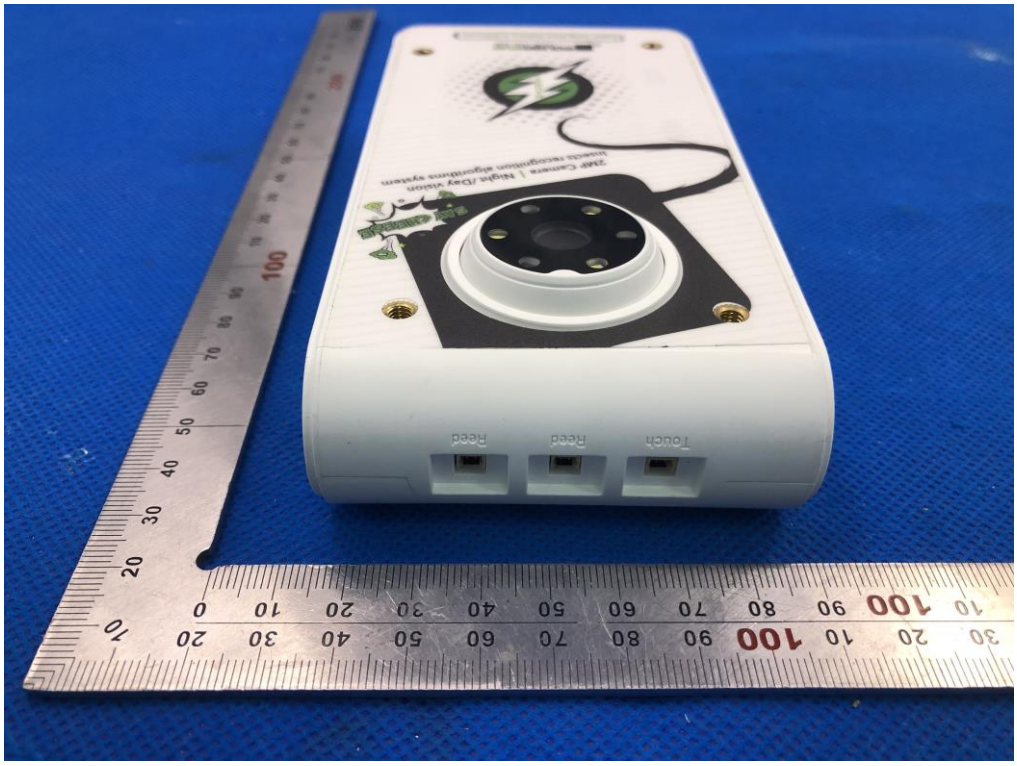
BACK VIEW OF EUT



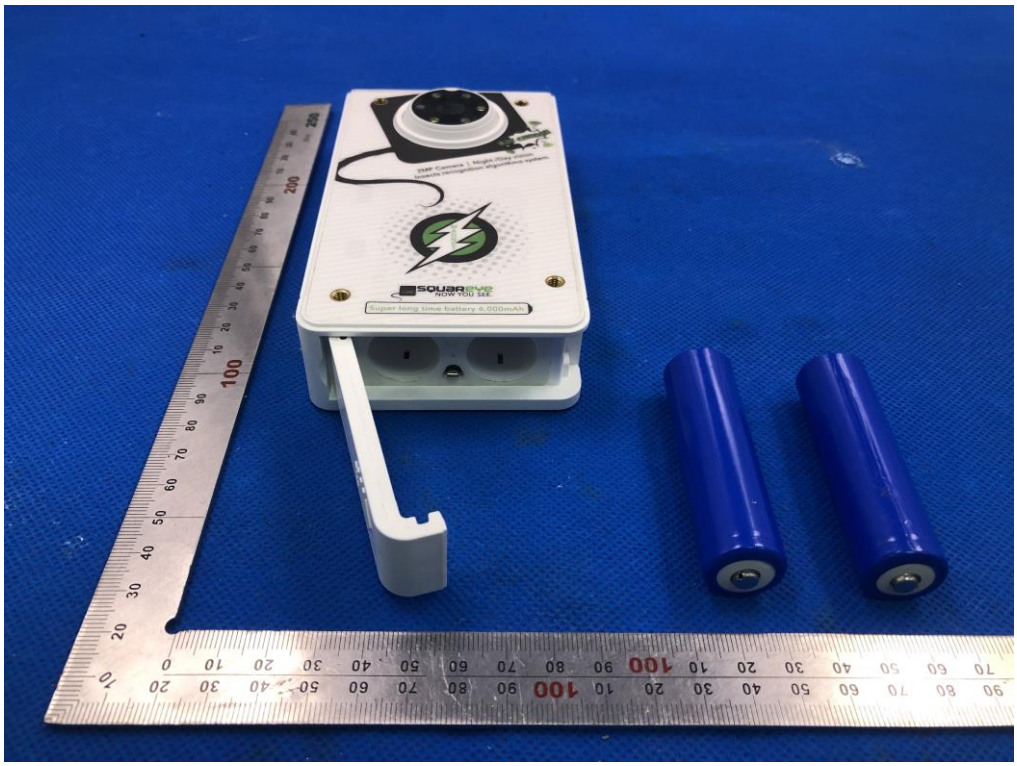
LEFT VIEW OF EUT



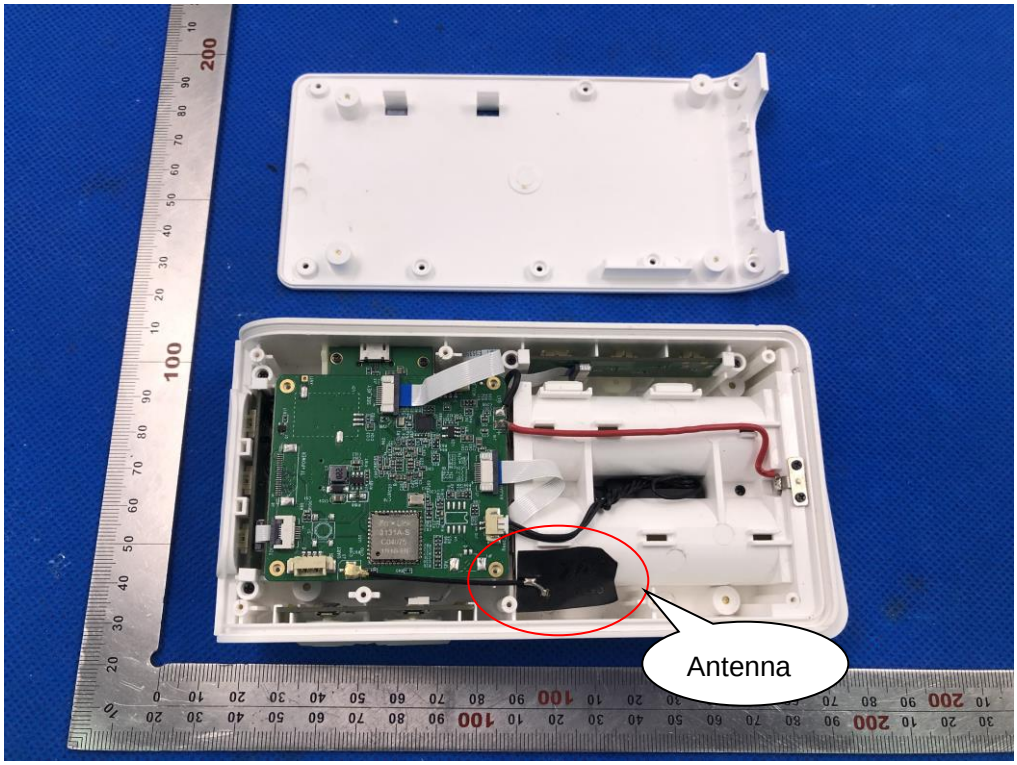
RIGHT VIEW OF EUT



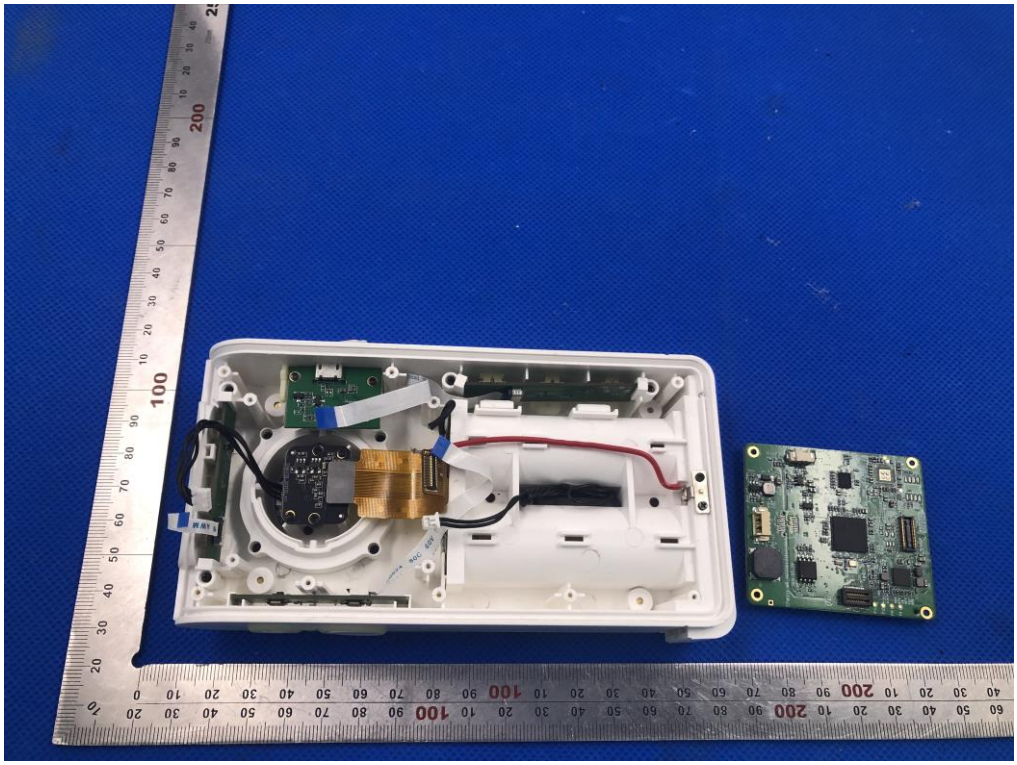
OPEN VIEW-1 OF EUT



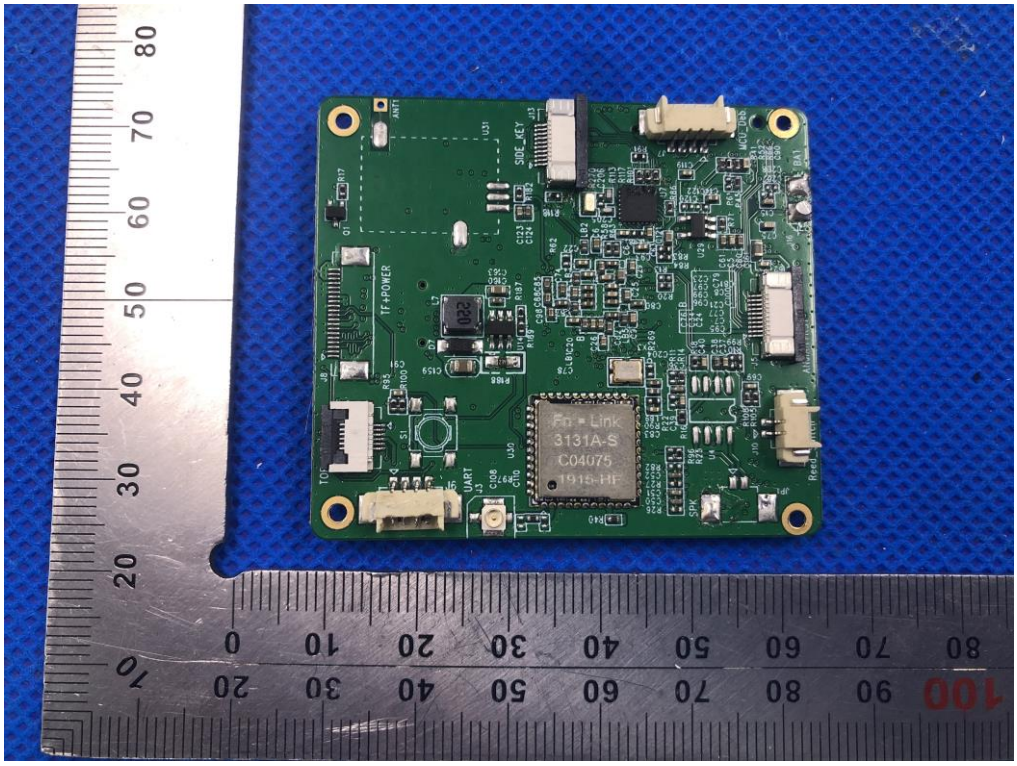
OPEN VIEW OF EUT-2



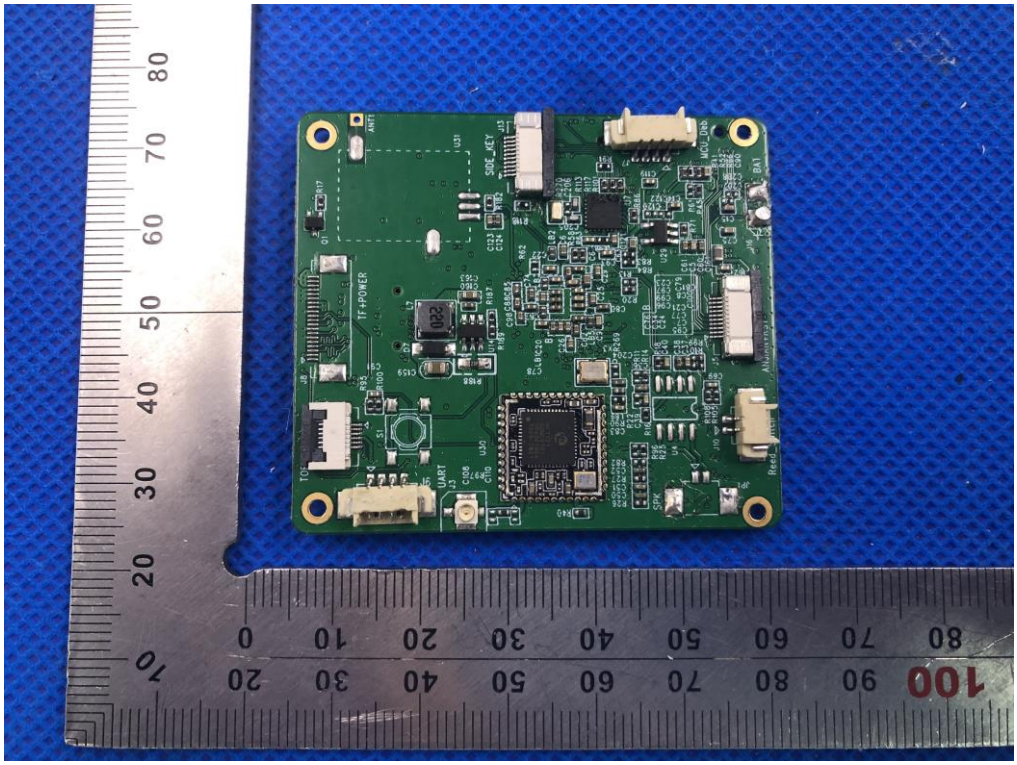
OPEN VIEW OF EUT-3



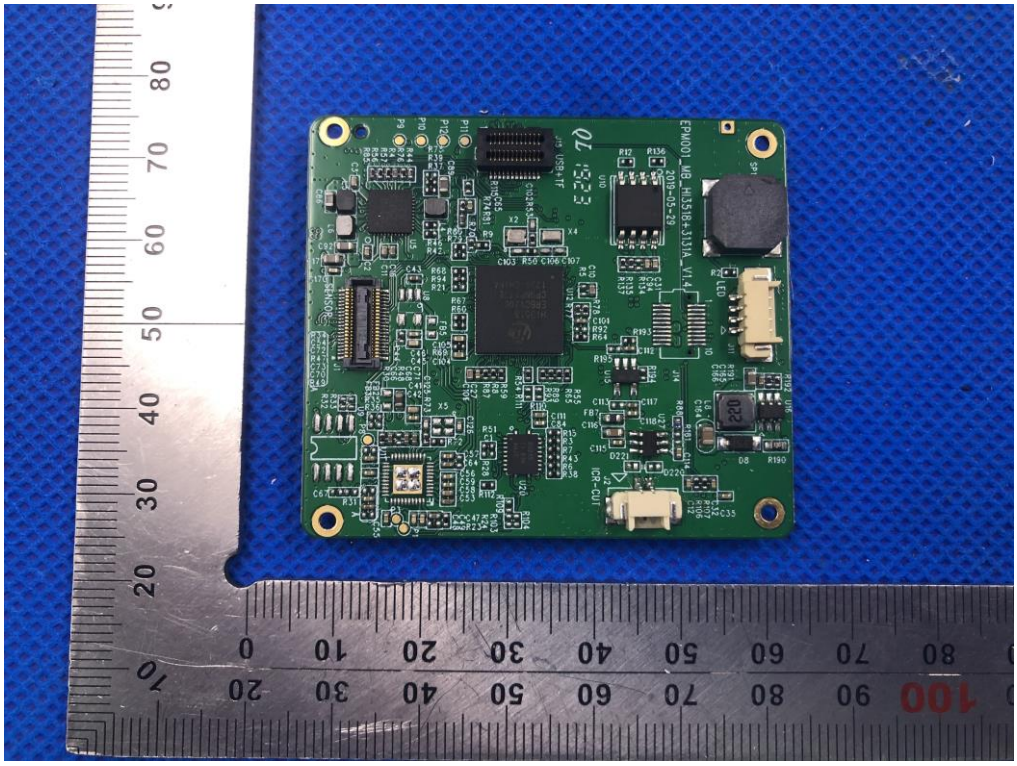
INTERNAL VIEW OF EUT-1



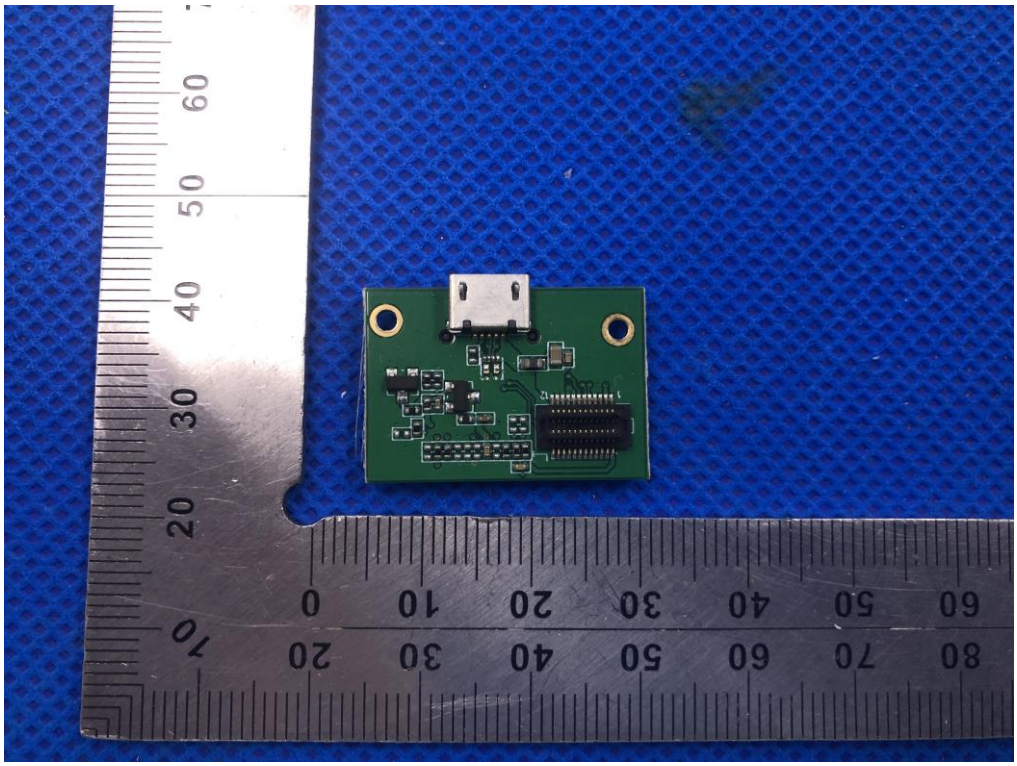
INTERNAL VIEW OF EUT-2



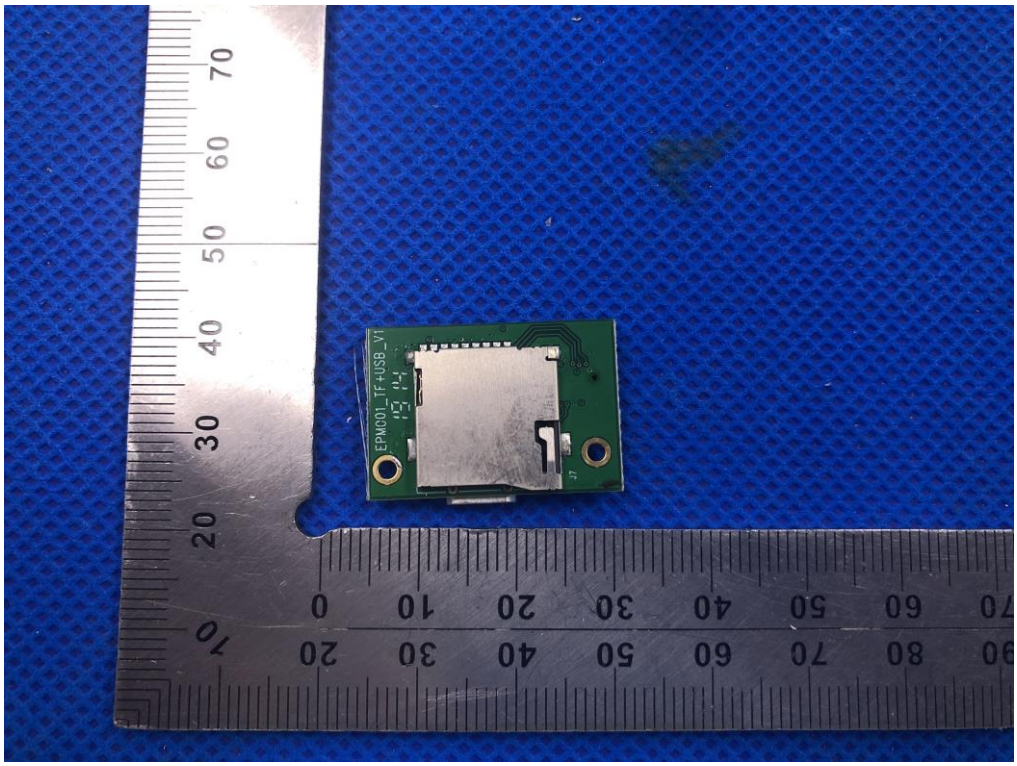
INTERNAL VIEW OF EUT-3



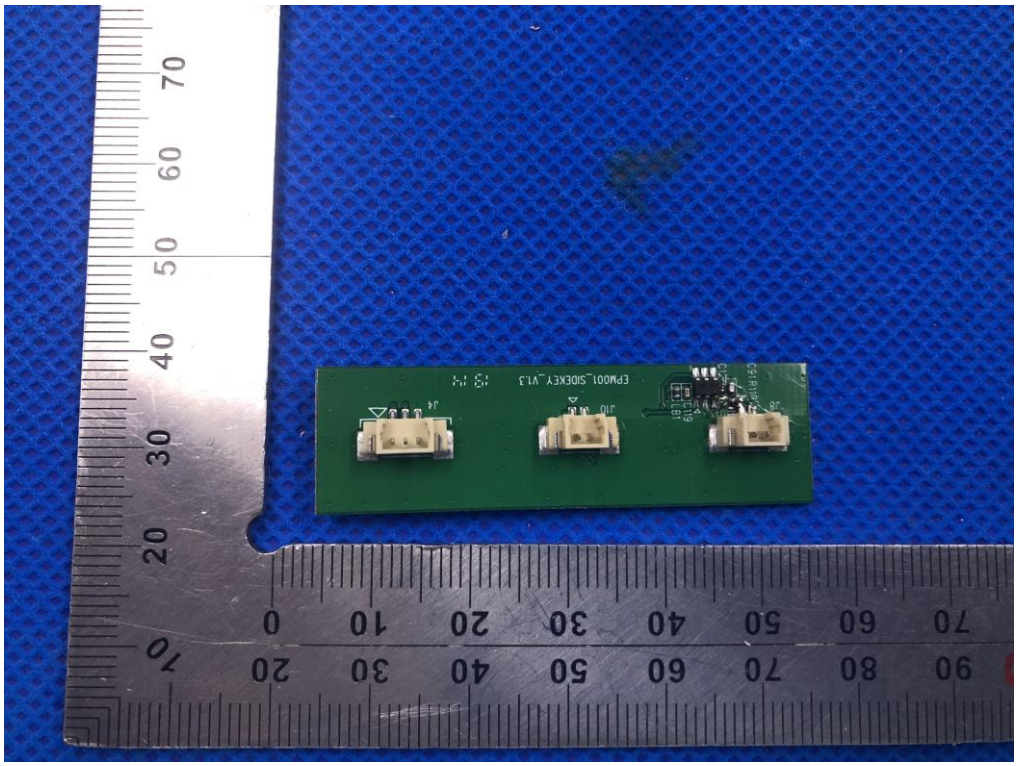
INTERNAL VIEW OF EUT-4



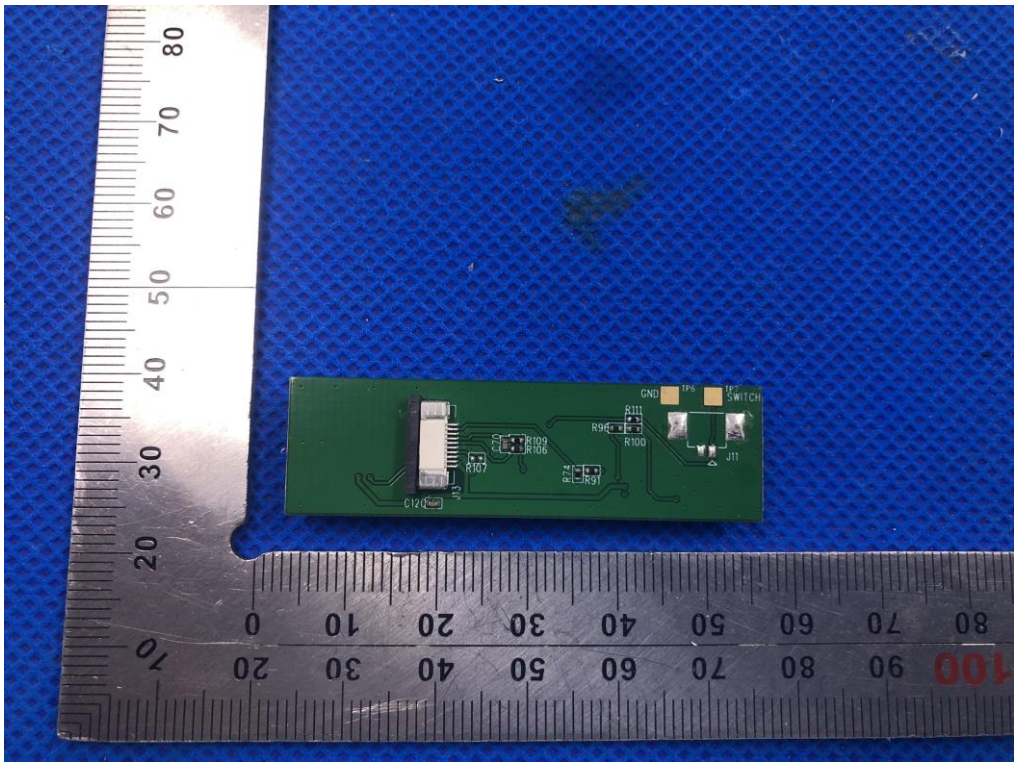
INTERNAL VIEW OF EUT-5



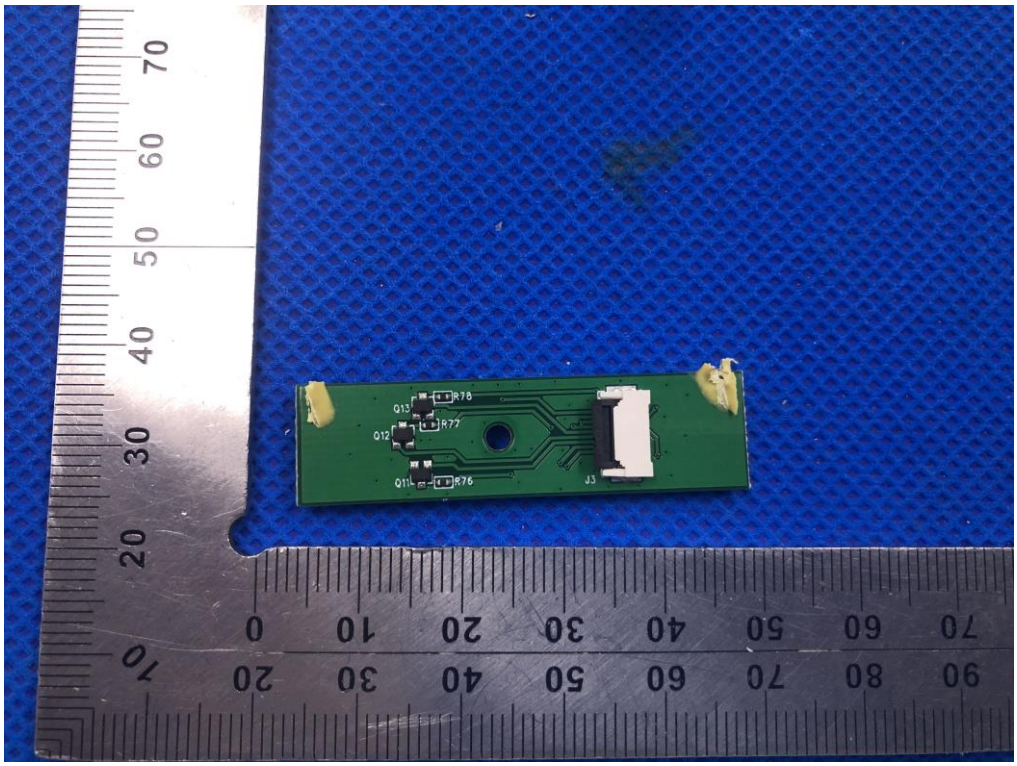
INTERNAL VIEW OF EUT-6



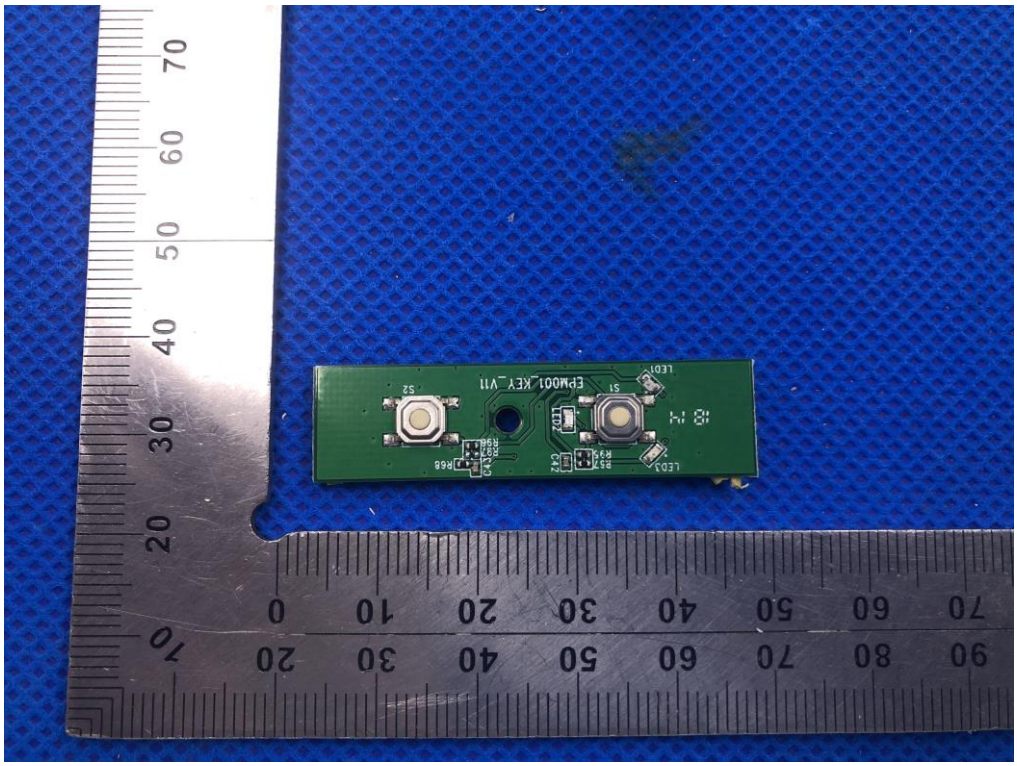
INTERNAL VIEW OF EUT-7



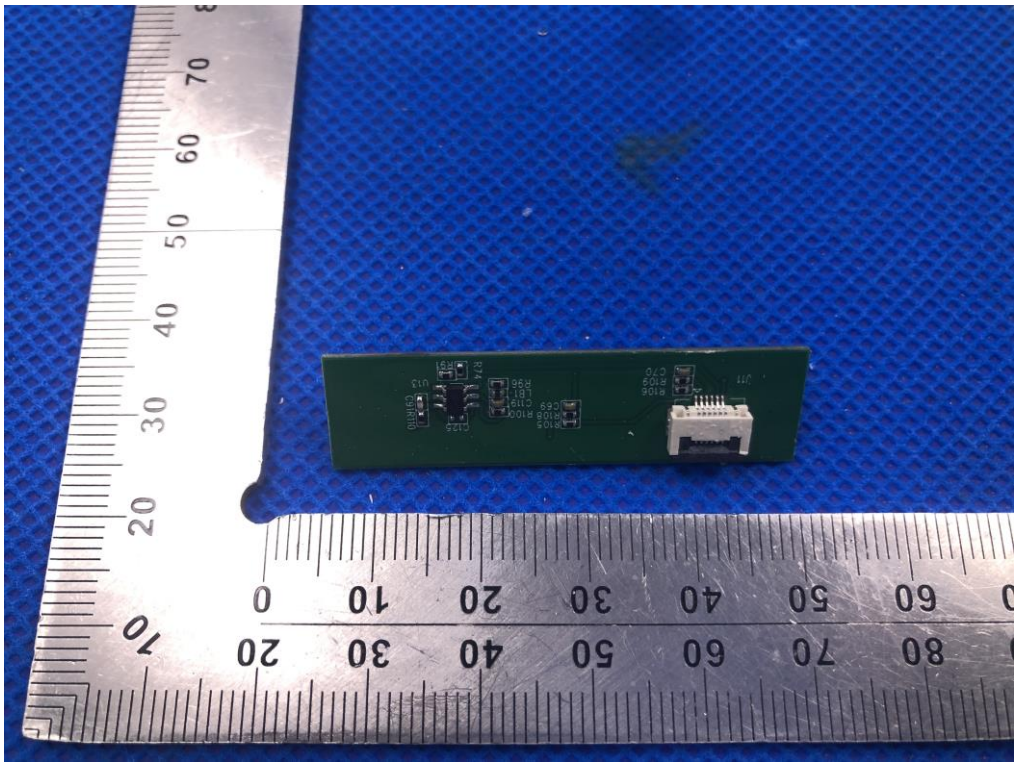
INTERNAL VIEW OF EUT-8



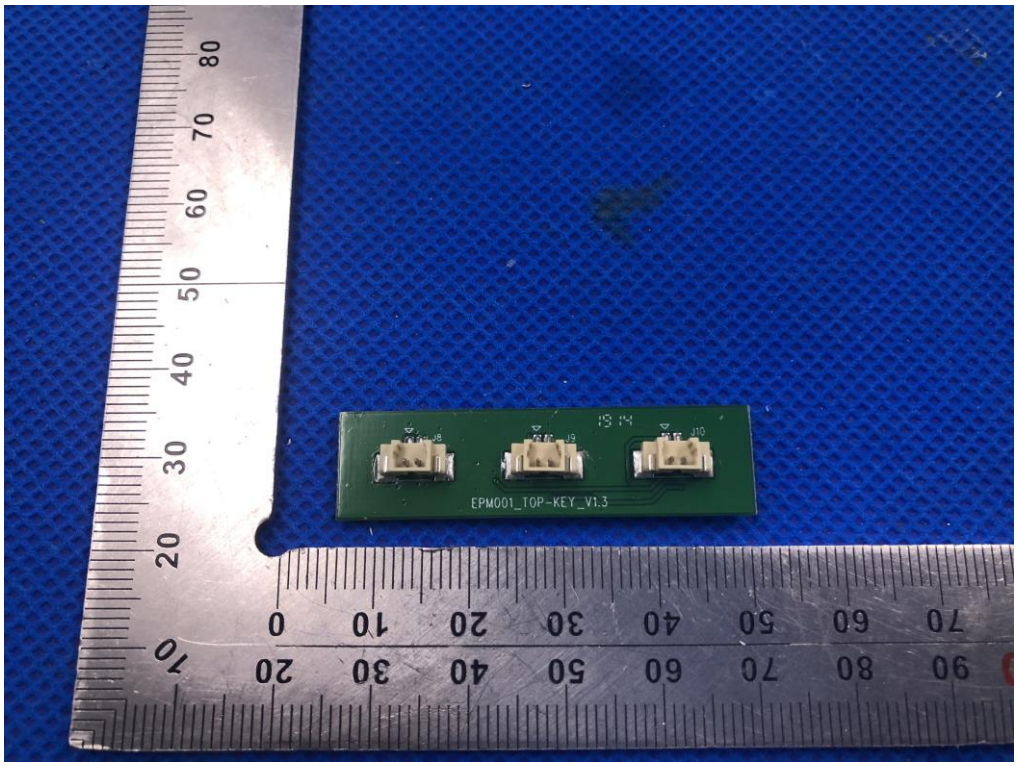
INTERNAL VIEW OF EUT-9



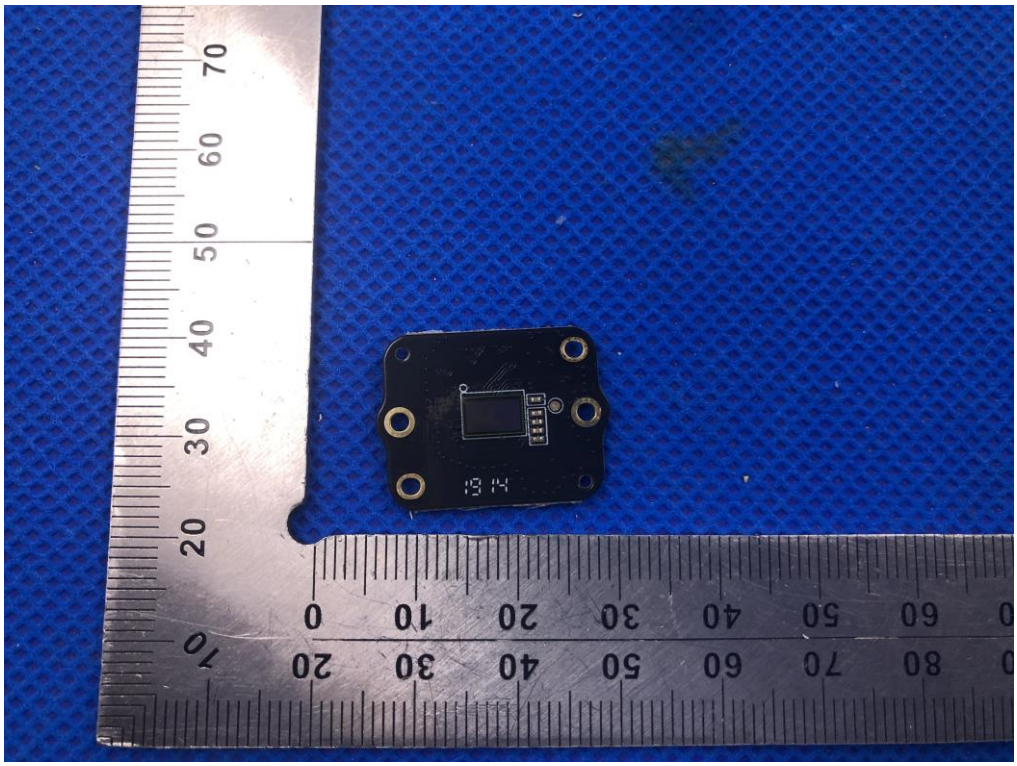
INTERNAL VIEW OF EUT-10



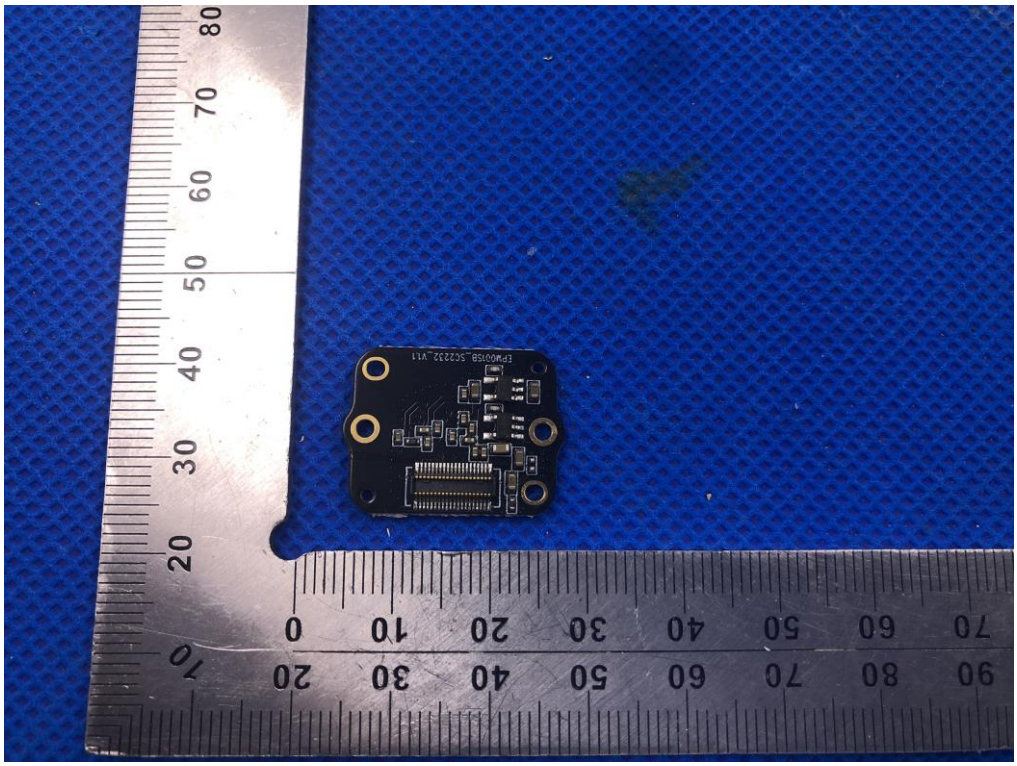
INTERNAL VIEW OF EUT-11



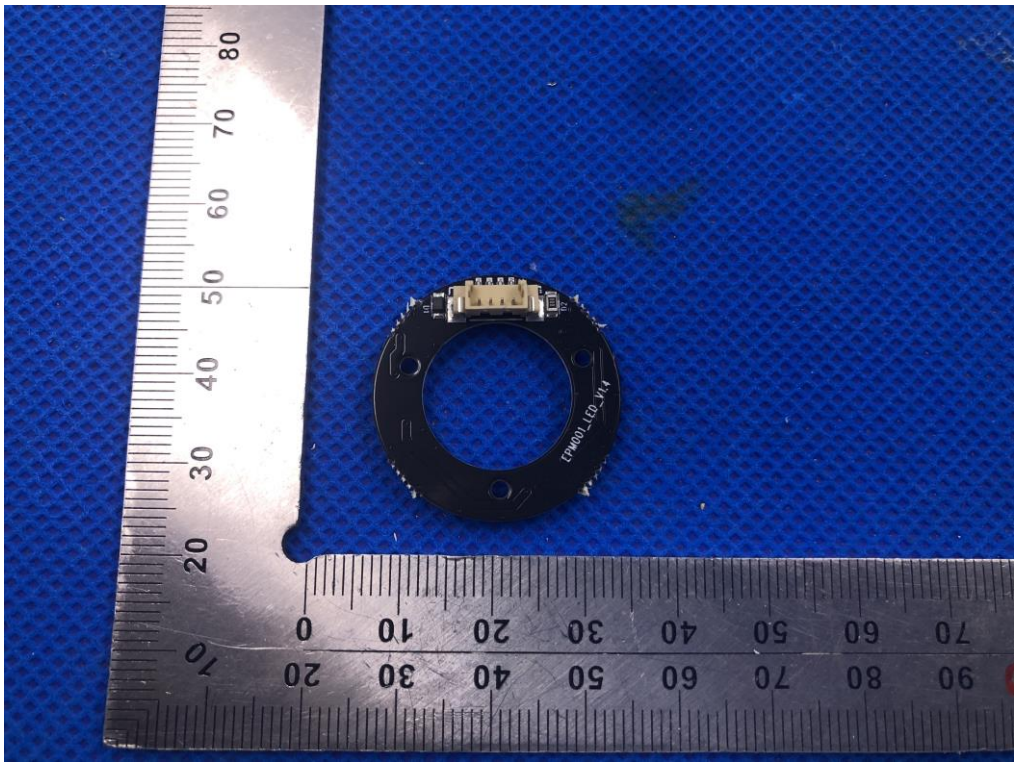
INTERNAL VIEW OF EUT-12



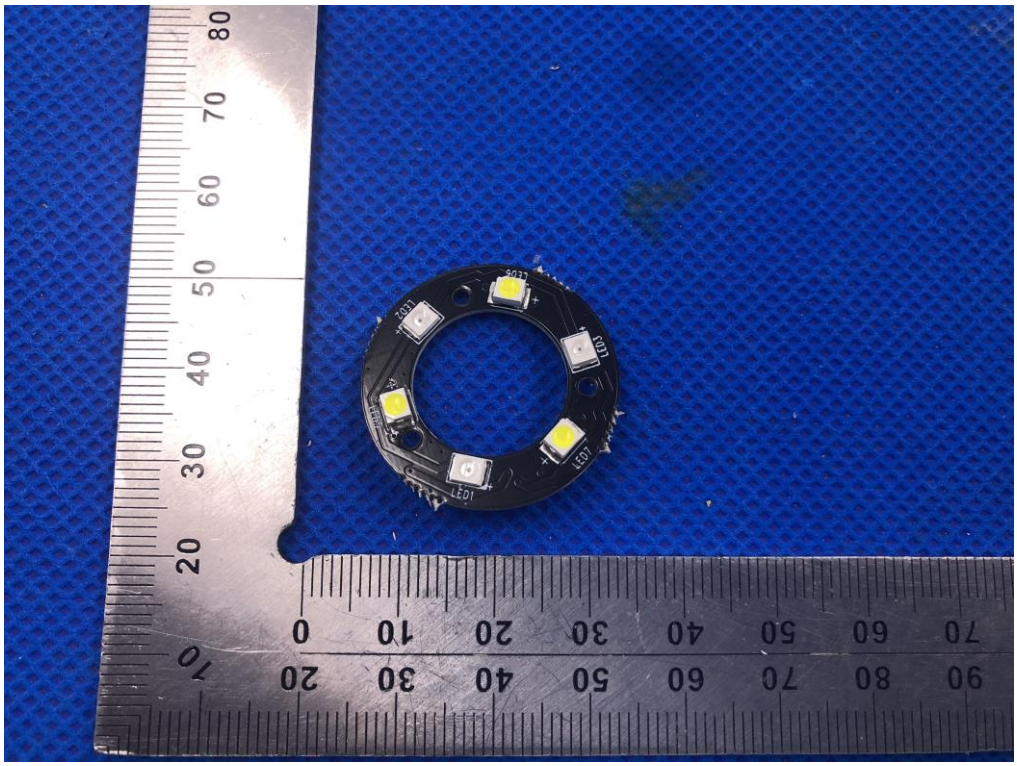
INTERNAL VIEW OF EUT-13



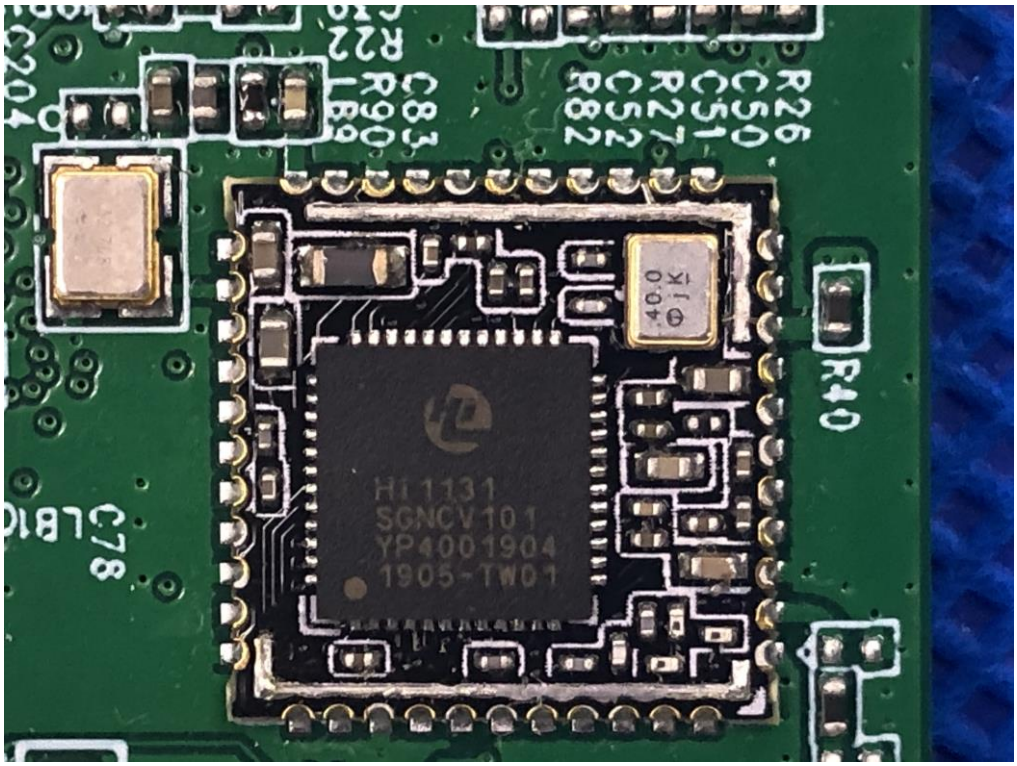
INTERNAL VIEW OF EUT-14



INTERNAL VIEW OF EUT-15



INTERNAL VIEW OF EUT-16



----END OF REPORT----