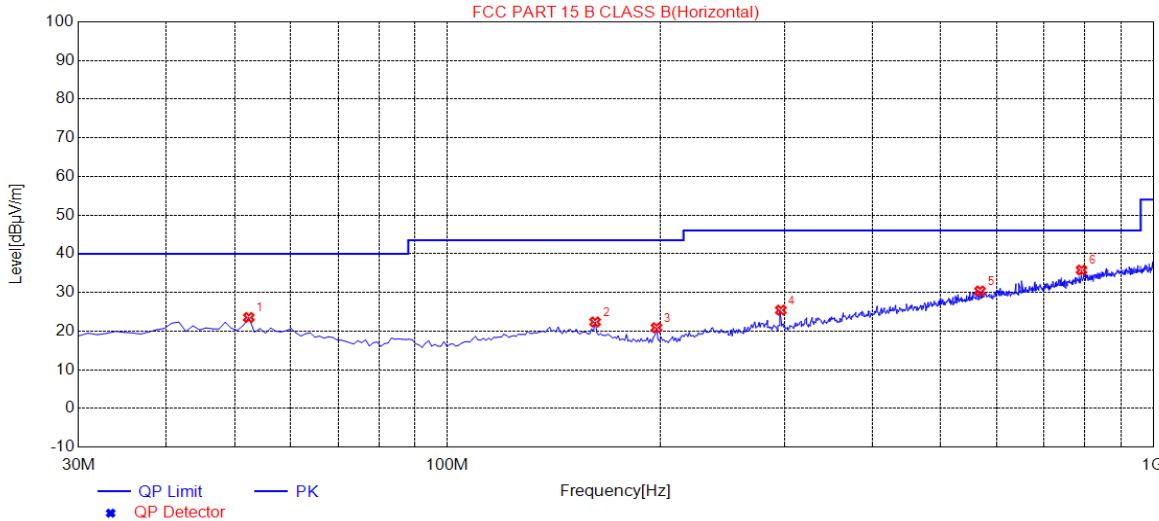


For adapter 2_HA-1905100UU

EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal



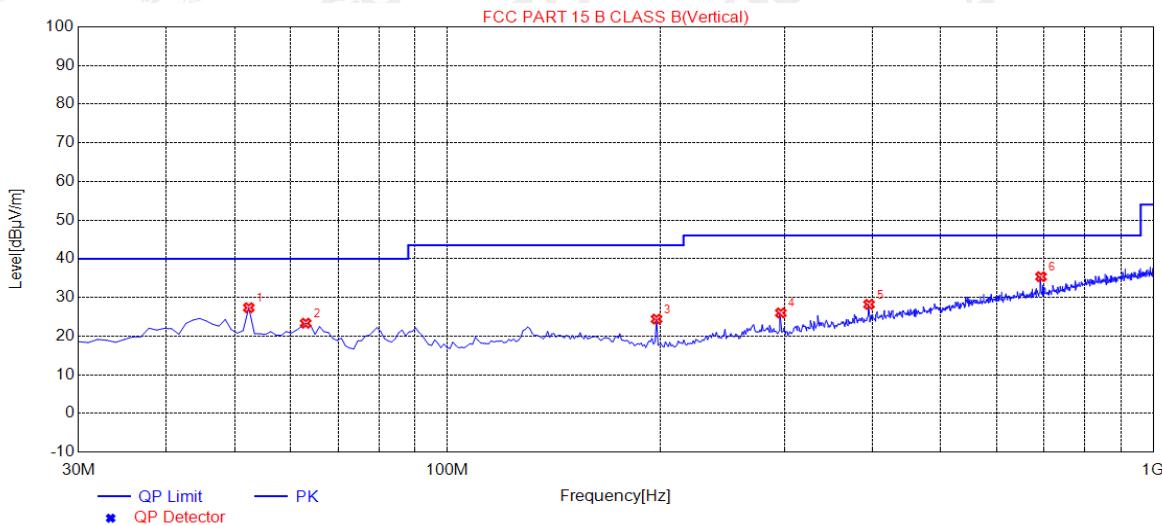
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	52.3100	23.51	14.49	40.00	16.49	200	290	Horizontal
2	161.9200	22.35	14.75	43.50	21.15	100	170	Horizontal
3	197.8100	20.89	12.16	43.50	22.61	100	230	Horizontal
4	296.7500	25.42	15.96	46.00	20.58	150	180	Horizontal
5	568.3500	30.37	23.65	46.00	15.63	200	60	Horizontal
6	791.4500	35.79	28.30	46.00	10.21	100	10	Horizontal

RESULT: PASS

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical



NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	52.3100	27.34	14.49	40.00	12.66	100	240	Vertical
2	62.9800	23.32	13.42	40.00	16.68	200	70	Vertical
3	197.8100	24.40	12.16	43.50	19.10	100	210	Vertical
4	296.7500	25.99	15.96	46.00	20.01	200	50	Vertical
5	395.6900	28.20	19.60	46.00	17.80	100	270	Vertical
6	693.4800	35.36	25.87	46.00	10.64	200	150	Vertical

RESULT: PASS

- Note:** 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.
2. The "Factor" value can be calculated automatically by software of measurement system.
3. All test modes had been pre-tested. The 802.11b at low channel is the worst case and recorded in the report.

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RADIATED EMISSION ABOVE 1GHZ

EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.033	44.59	3.72	48.31	74	-25.69	peak
4824.117	38.12	3.72	41.84	54	-12.16	AVG
7236.061	42.21	8.15	50.36	74	-23.64	peak
7236.047	36.94	8.15	45.09	54	-8.91	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2412MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4824.033	43.97	3.72	47.69	74	-26.31	peak
4824.056	39.11	3.72	42.83	54	-11.17	AVG
7236.104	42.57	8.15	50.72	74	-23.28	peak
7236.115	37.43	8.15	45.58	54	-8.42	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.117	47.15	3.75	50.9	74	-23.1	peak
4874.078	42.06	3.75	45.81	54	-8.19	Avg
7311.118	41.28	8.16	49.44	74	-24.56	peak
7311.052	37.12	8.16	45.28	54	-8.72	Avg

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.079	46.13	3.75	49.88	74	-24.12	peak
4874.065	40.25	3.75	44	54	-10	Avg
7311.118	42.91	8.16	51.07	74	-22.93	peak
7311.062	39.47	8.16	47.63	54	-6.37	Avg

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Value Type
4924.041	43.06	3.81	46.87	74	-27.13	peak
4924.088	40.11	3.81	43.92	54	-10.08	AVG
7386.080	40.99	8.19	49.18	74	-24.82	peak
7386.091	36.77	8.19	44.96	54	-9.04	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Vertical

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Value Type
4924.082	44.15	3.81	47.96	74	-26.04	peak
4924.104	39.61	3.81	43.42	54	-10.58	AVG
7386.055	38.54	8.19	46.73	74	-27.27	peak
7386.028	37.44	8.19	45.63	54	-8.37	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: PASS

Note:

Other emissions from 1G to 25 GHz are considered as ambient noise. No recording in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

All test modes had been pre-tested. The 802.11b mode is the worst case and recorded in the report.

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12. BAND EDGE EMISSION

12.1. MEASUREMENT PROCEDURE

Radiated restricted band edge measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting

12.2. TEST SET-UP

same as 11.2

Note:

1. Factor=Antenna Factor + Cable loss - Amplifier gain. Field Strength=Factor + Reading level
2. 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.

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12.3. TEST RESULT

EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Horizontal

PK



AV



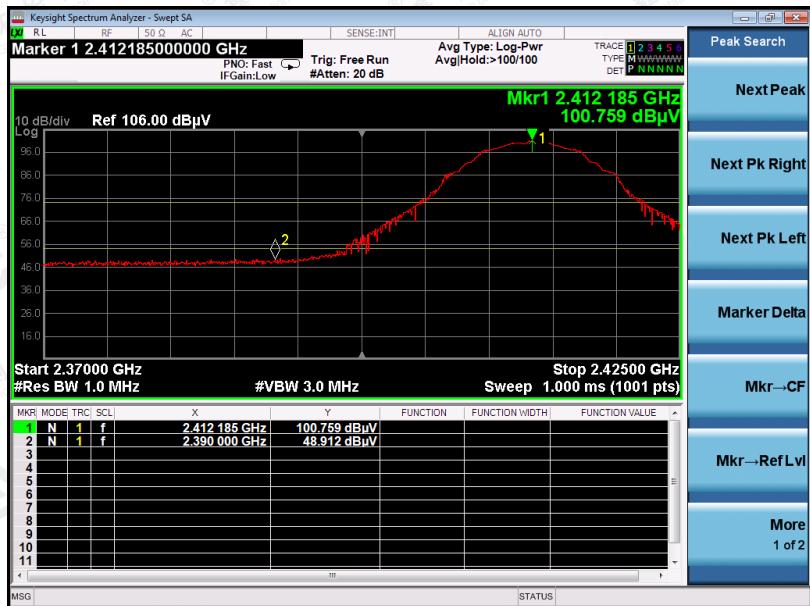
RESULT: PASS

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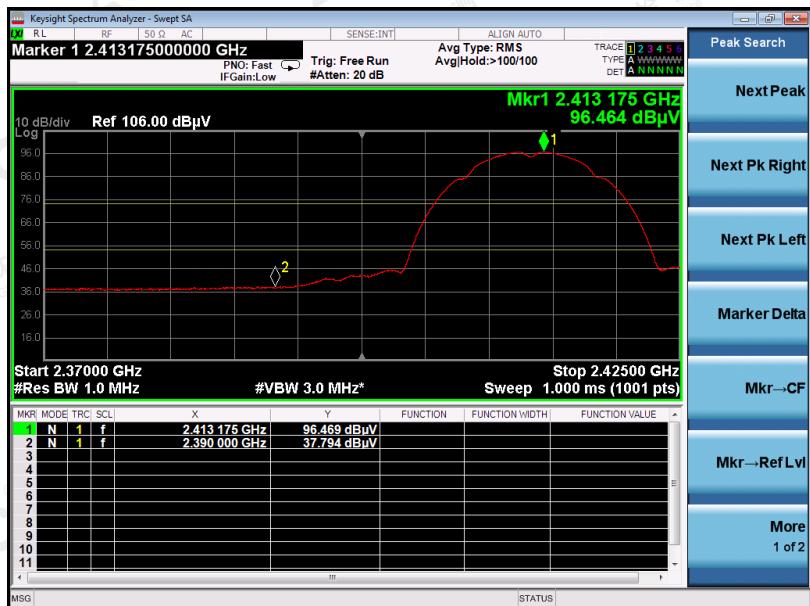


EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHz	Antenna	Vertical

PK



AV



RESULT: PASS

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHz	Antenna	Horizontal

PK



AV



RESULT: PASS

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHz	Antenna	Vertical

PK



AV



RESULT: PASS

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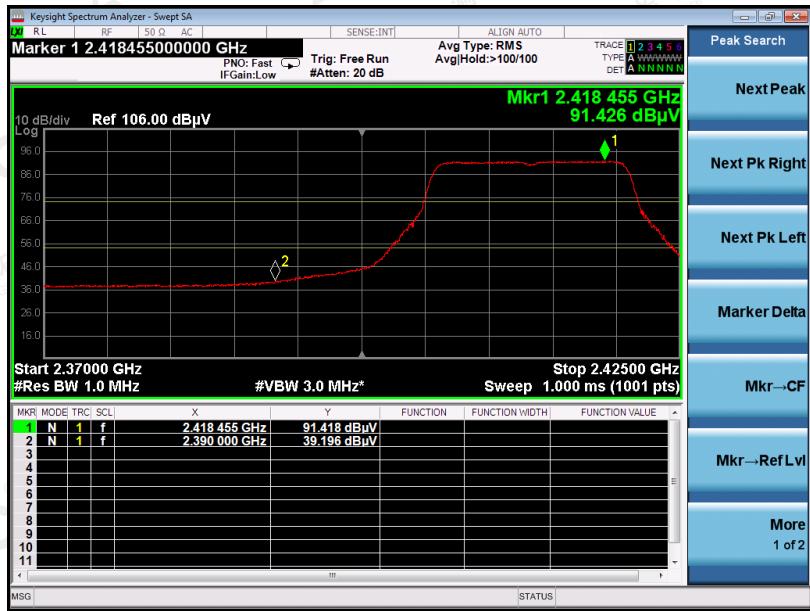
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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Horizontal

PK



AV



RESULT: PASS

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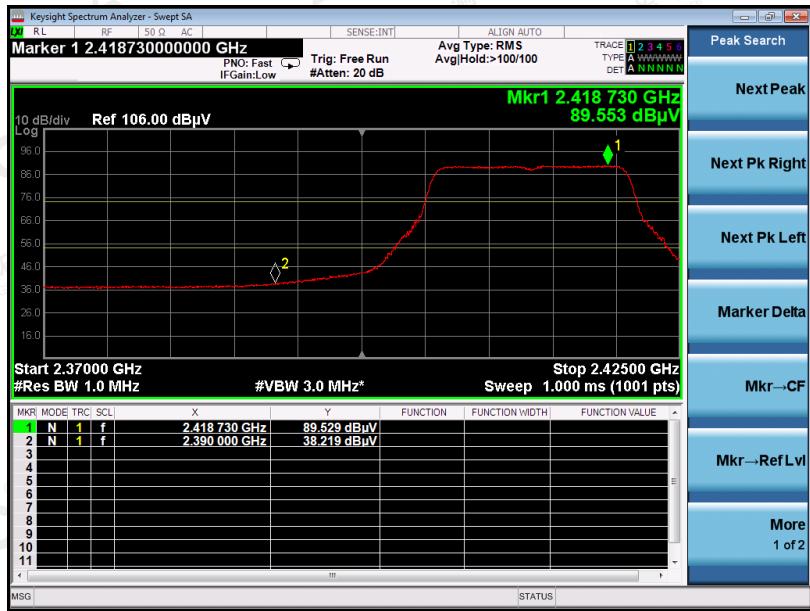
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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Vertical

PK



AV

**RESULT: PASS**

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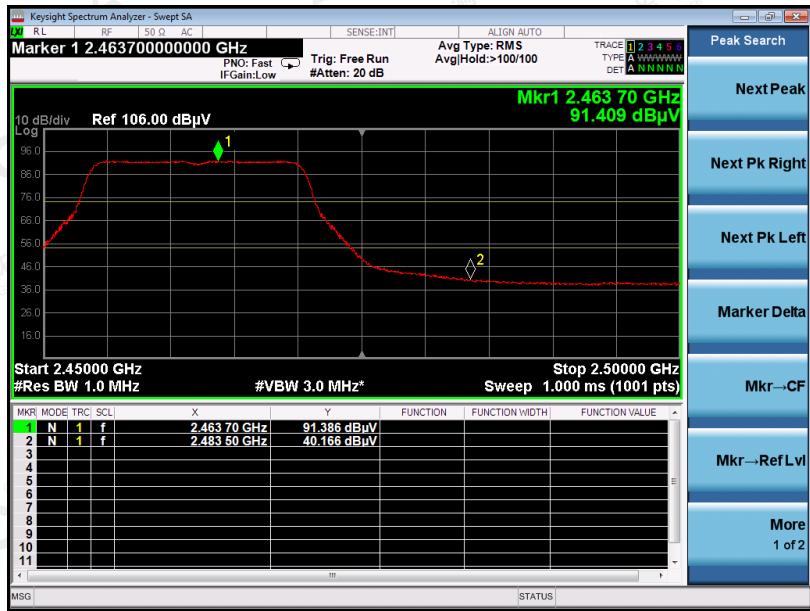


EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Horizontal

PK



AV

**RESULT: PASS**

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
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

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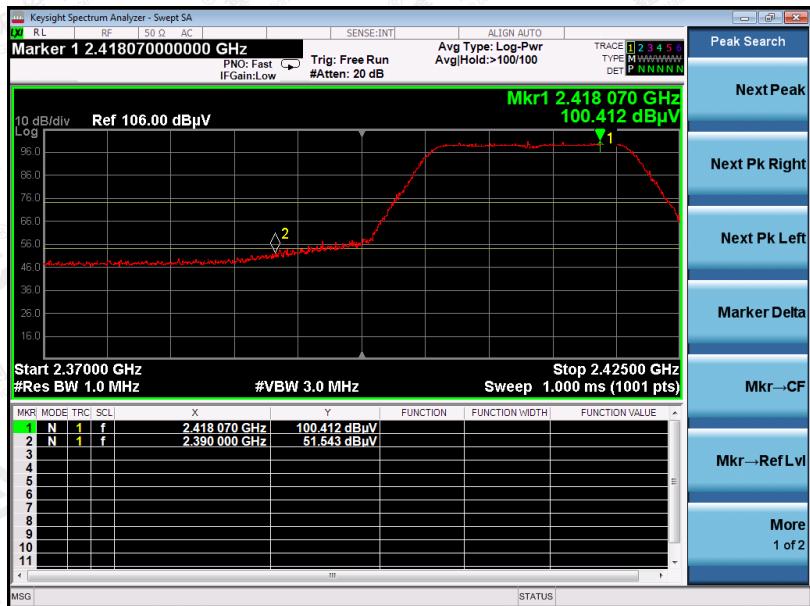


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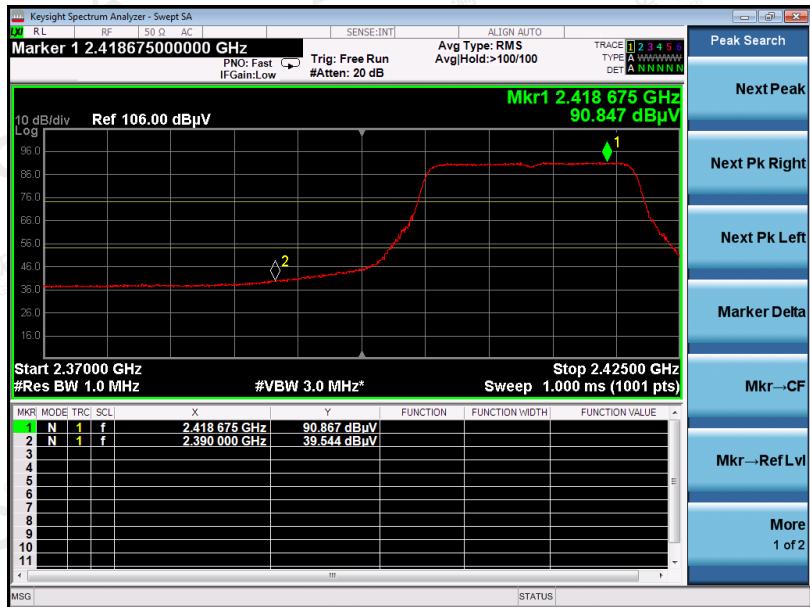
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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHz	Antenna	Horizontal

PK



AV



RESULT: PASS

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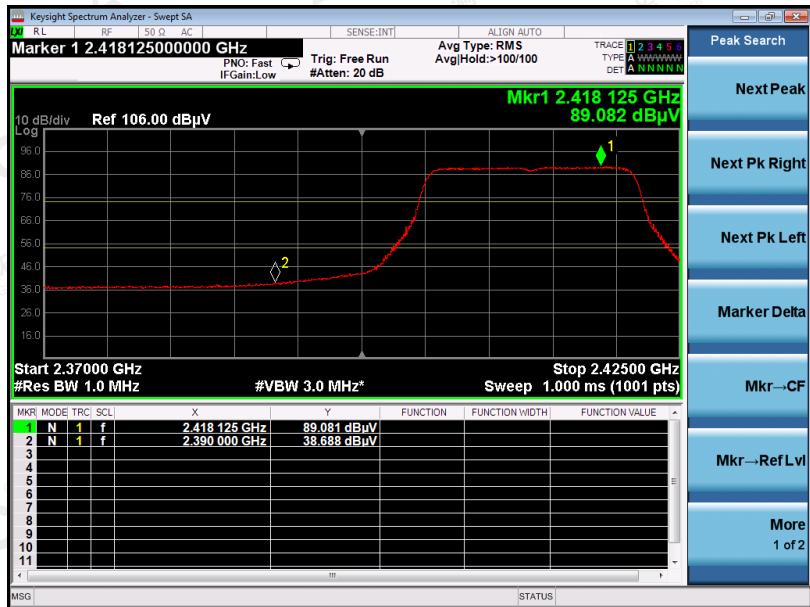
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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Vertical

PK



AV

**RESULT: PASS**

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
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

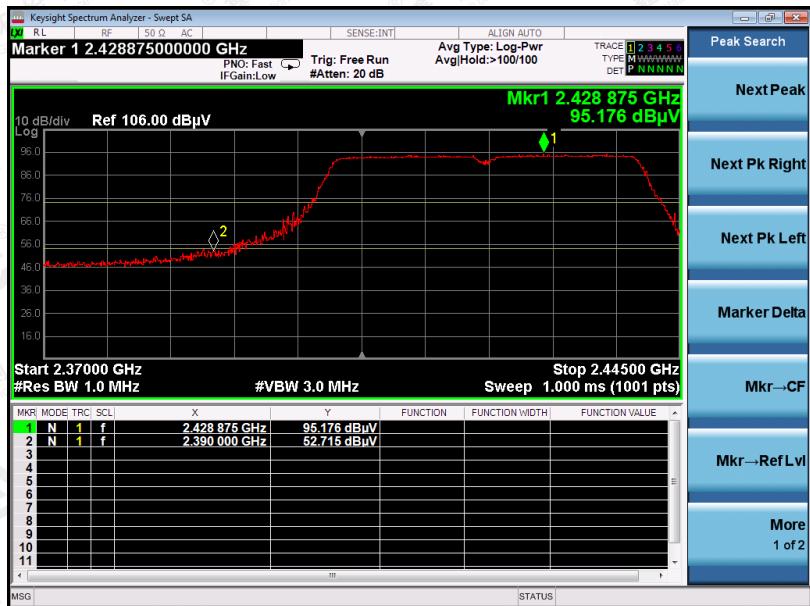
**RESULT: PASS**

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
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

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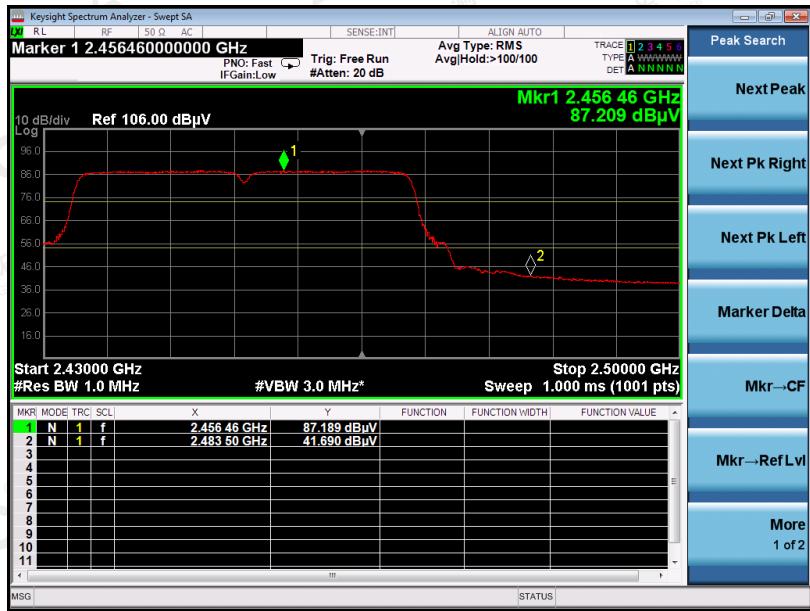
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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40 with data rate 13.5 2422MHZ	Antenna	Horizontal

PK



AV

**RESULT: PASS**

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
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**

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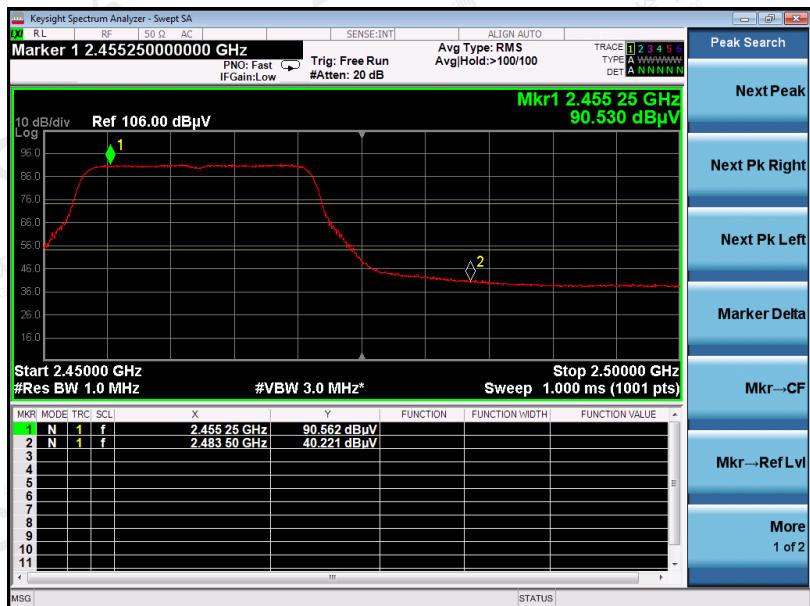
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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 40with data rate 13.5 2452MHZ	Antenna	Horizontal

PK



AV



RESULT: PASS

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EUT	HD Outdoor WiFi Camera	Model Name	Y5925HCB
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**

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13. FCC LINE CONDUCTED EMISSION TEST

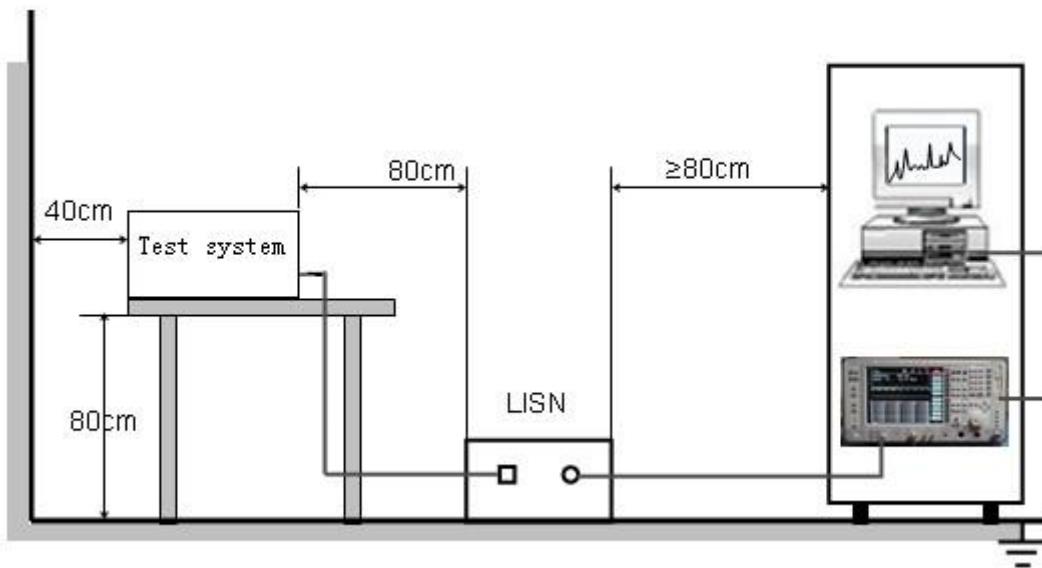
13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

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



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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 C63.4 (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 C63.4.
- (3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- (4) The EUT received DC 5V power from pc which 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.

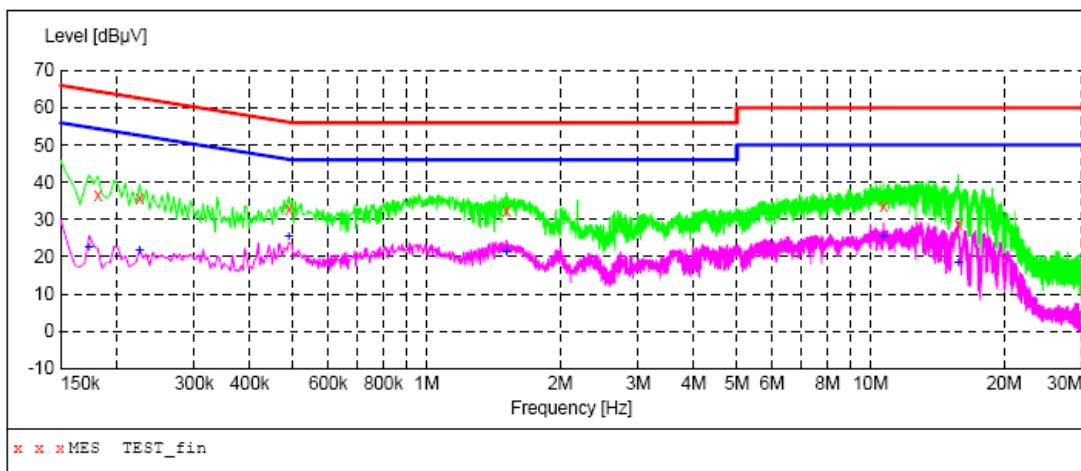
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13.4. TEST RESULT OF LINE CONDUCTED EMISSION TEST

For adapter 1_S005AYU0500100

LINE CONDUCTED EMISSION TEST-L1



MEASUREMENT RESULT: "TEST_fin"

3/27/2019 10:59AM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.182000	36.60	10.3	64	27.8	QP	L1	FLO
0.226000	35.70	10.3	63	26.9	QP	L1	FLO
0.490000	32.80	10.3	56	23.4	QP	L1	FLO
1.514000	32.30	10.4	56	23.7	QP	L1	FLO
10.698000	33.70	10.8	60	26.3	QP	L1	FLO
15.790000	28.80	10.9	60	31.2	QP	L1	FLO

MEASUREMENT RESULT: "TEST_fin2"

3/27/2019 10:59AM

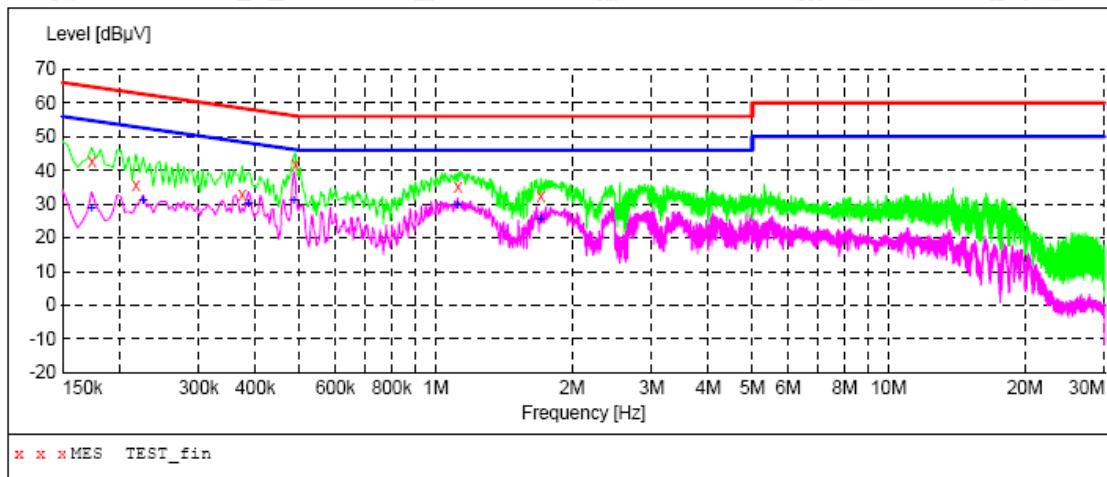
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.174000	22.50	10.3	55	32.3	AV	L1	FLO
0.226000	21.50	10.3	53	31.1	AV	L1	FLO
0.490000	25.20	10.3	46	21.0	AV	L1	FLO
1.514000	21.10	10.4	46	24.9	AV	L1	FLO
10.698000	25.30	10.8	50	24.7	AV	L1	FLO
15.790000	18.40	10.9	50	31.6	AV	L1	FLO

RESULT: PASS

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LINE CONDUCTED EMISSION TEST-N



MEASUREMENT RESULT: "TEST_fin"

3/27/2019 10:53AM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.174000	42.50	10.3	65	22.3	QP	N	FLO
0.218000	35.40	10.3	63	27.5	QP	N	FLO
0.374000	32.90	10.3	58	25.5	QP	N	FLO
0.490000	41.60	10.3	56	14.6	QP	N	FLO
1.118000	35.10	10.4	56	20.9	QP	N	FLO
1.706000	32.60	10.4	56	23.4	QP	N	FLO

MEASUREMENT RESULT: "TEST_fin2"

3/27/2019 10:53AM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.174000	28.60	10.3	55	26.2	AV	N	FLO
0.226000	30.90	10.3	53	21.7	AV	N	FLO
0.386000	30.20	10.3	48	17.9	AV	N	FLO
0.486000	30.80	10.3	46	15.4	AV	N	FLO
1.118000	29.60	10.4	46	16.4	AV	N	FLO
1.706000	25.50	10.4	46	20.5	AV	N	FLO

RESULT: PASS

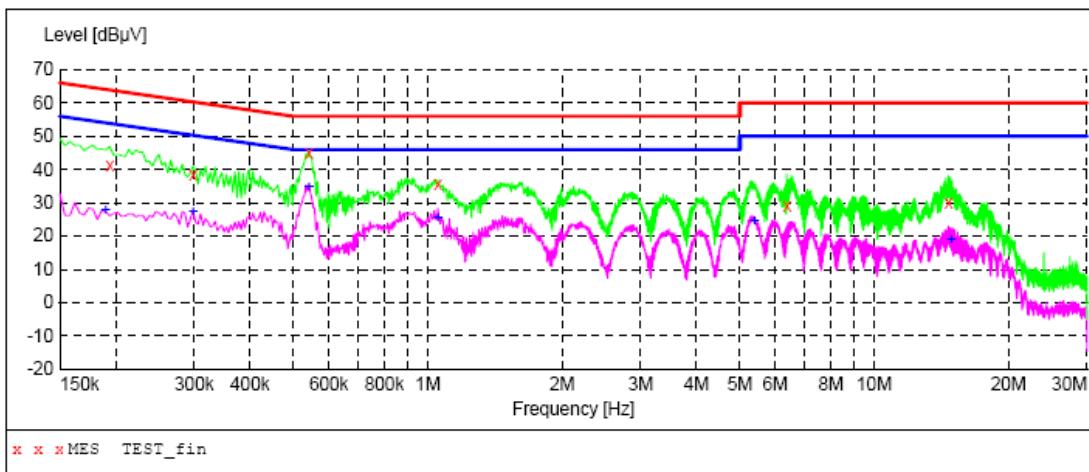
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For adapter 2_HA-1905100UU
LINE CONDUCTED EMISSION TEST-L1



MEASUREMENT RESULT: "TEST_fin"

3/27/2019 11:04AM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.194000	41.20	10.3	64	22.7	QP	L1	FLO
0.298000	38.20	10.2	60	22.1	QP	L1	FLO
0.542000	44.90	10.3	56	11.1	QP	L1	FLO
1.054000	35.40	10.4	56	20.6	QP	L1	FLO
6.378000	29.30	10.5	60	30.7	QP	L1	FLO
14.686000	29.90	10.9	60	30.1	QP	L1	FLO

MEASUREMENT RESULT: "TEST_fin2"

3/27/2019 11:04AM

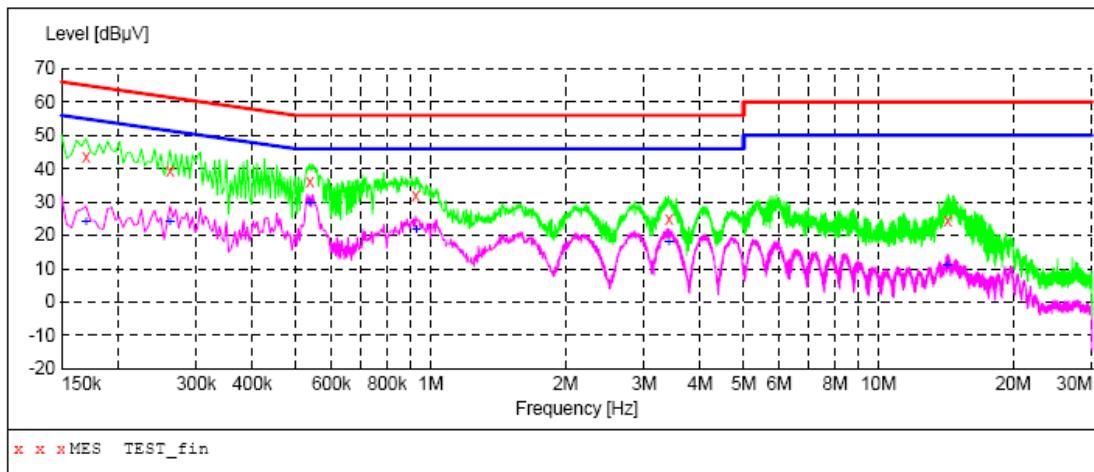
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.190000	27.50	10.3	54	26.5	AV	L1	FLO
0.298000	27.30	10.2	50	23.0	AV	L1	FLO
0.542000	34.90	10.3	46	11.1	AV	L1	FLO
1.054000	25.50	10.4	46	20.5	AV	L1	FLO
5.398000	24.40	10.4	50	25.6	AV	L1	FLO
14.894000	18.90	10.9	50	31.1	AV	L1	FLO

RESULT: PASS

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LINE CONDUCTED EMISSION TEST-N


MEASUREMENT RESULT: "TEST_fin"

3/27/2019 11:14AM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.170000	43.40	10.3	65	21.6	QP	N	FLO
0.262000	39.20	10.2	61	22.2	QP	N	FLO
0.538000	36.30	10.3	56	19.7	QP	N	FLO
0.926000	32.00	10.4	56	24.0	QP	N	FLO
3.406000	24.90	10.4	56	31.1	QP	N	FLO
14.270000	24.50	10.9	60	35.5	QP	N	FLO

MEASUREMENT RESULT: "TEST_fin2"

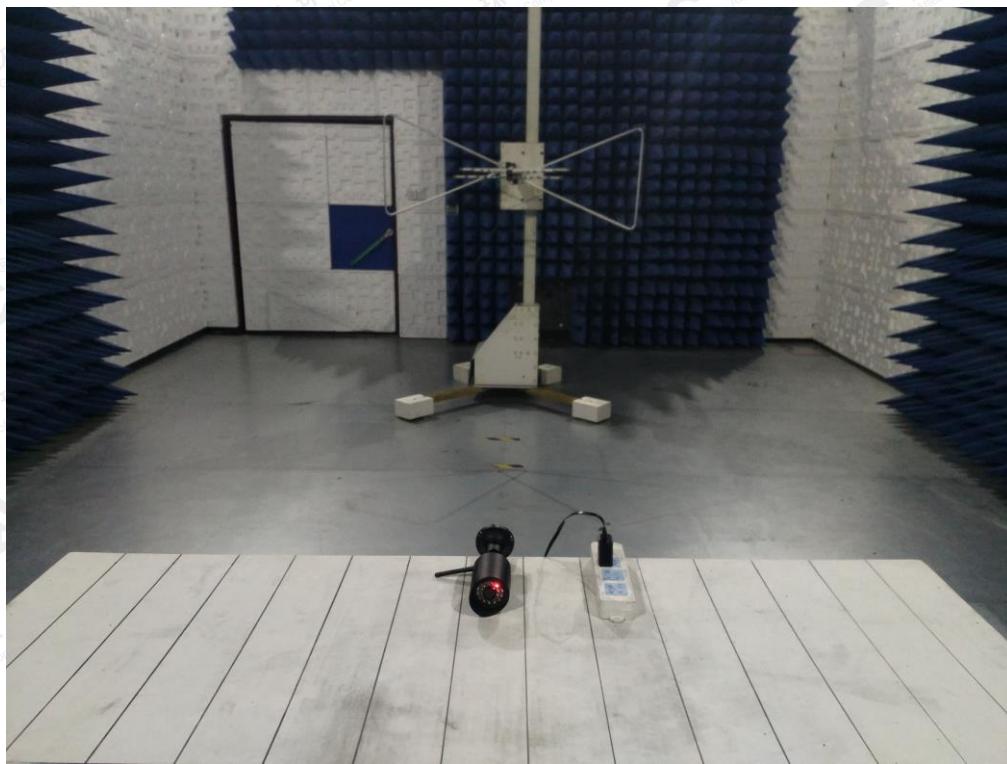
3/27/2019 11:14AM

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.170000	24.00	10.3	55	31.0	AV	N	FLO
0.262000	24.00	10.2	51	27.4	AV	N	FLO
0.538000	29.60	10.3	46	16.4	AV	N	FLO
0.930000	21.70	10.4	46	24.3	AV	N	FLO
3.406000	18.00	10.4	46	28.0	AV	N	FLO
14.270000	10.80	10.9	50	39.2	AV	N	FLO

RESULT: PASS

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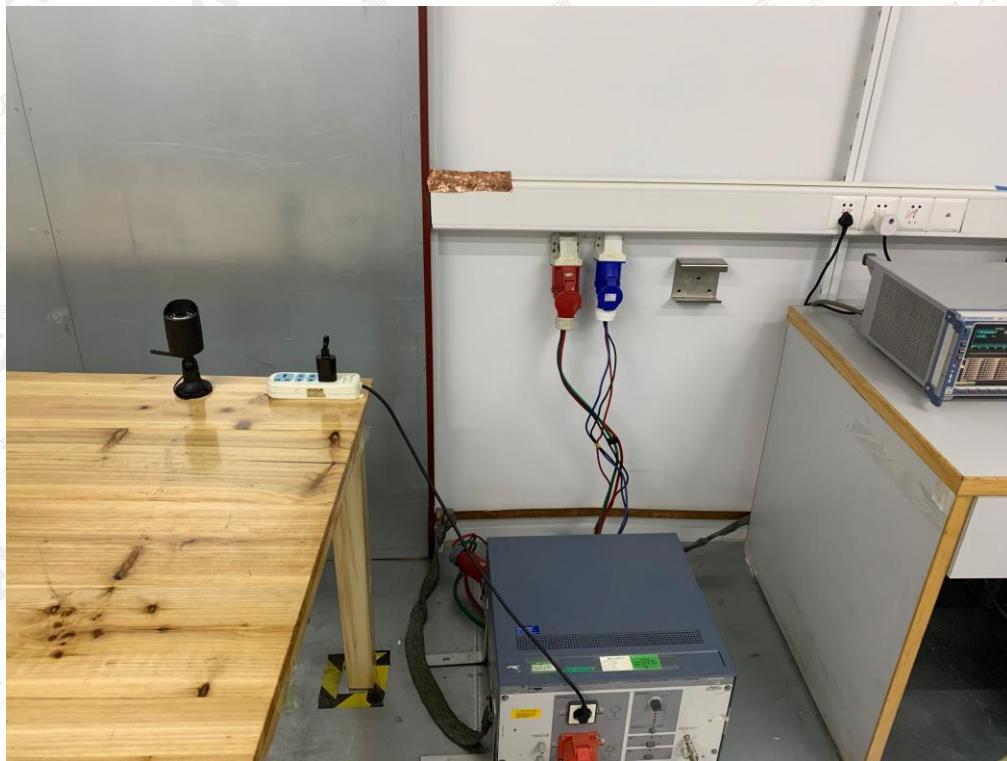
APPENDIX A: PHOTOGRAPHS OF TEST SETUP
FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ**FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ**

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FCC CONDUCTED EMISSION TEST SETUP



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APPENDIX B: PHOTOGRAPHS OF EUT**ALL VIEW OF EUT****Antenna****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



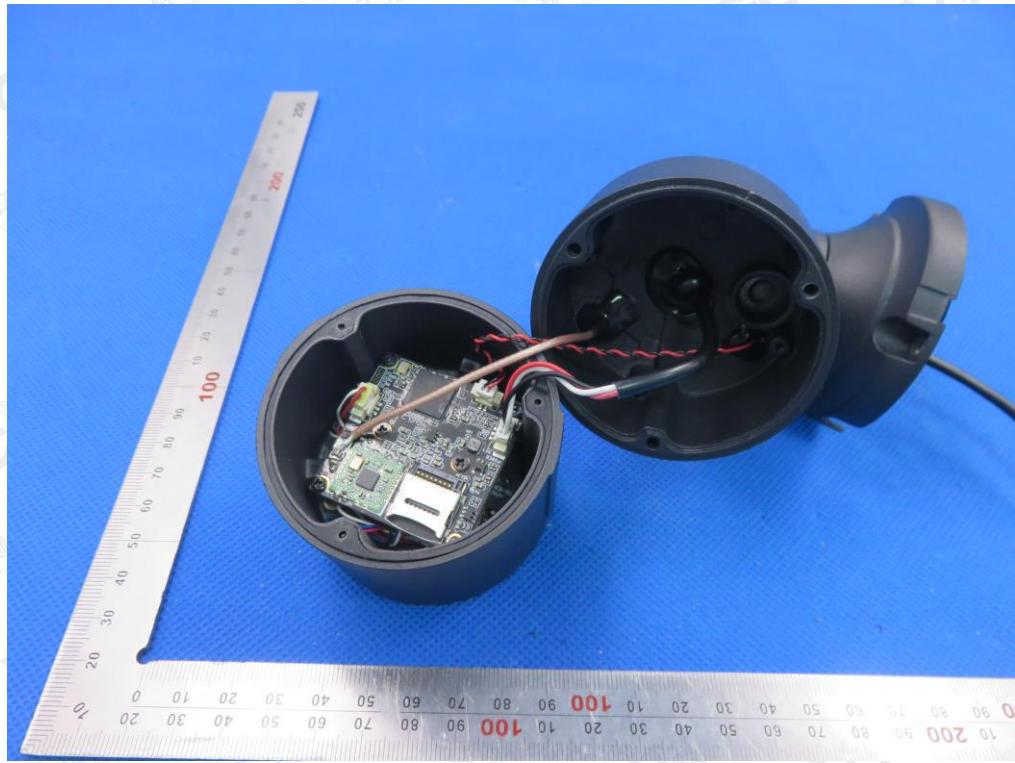
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RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1



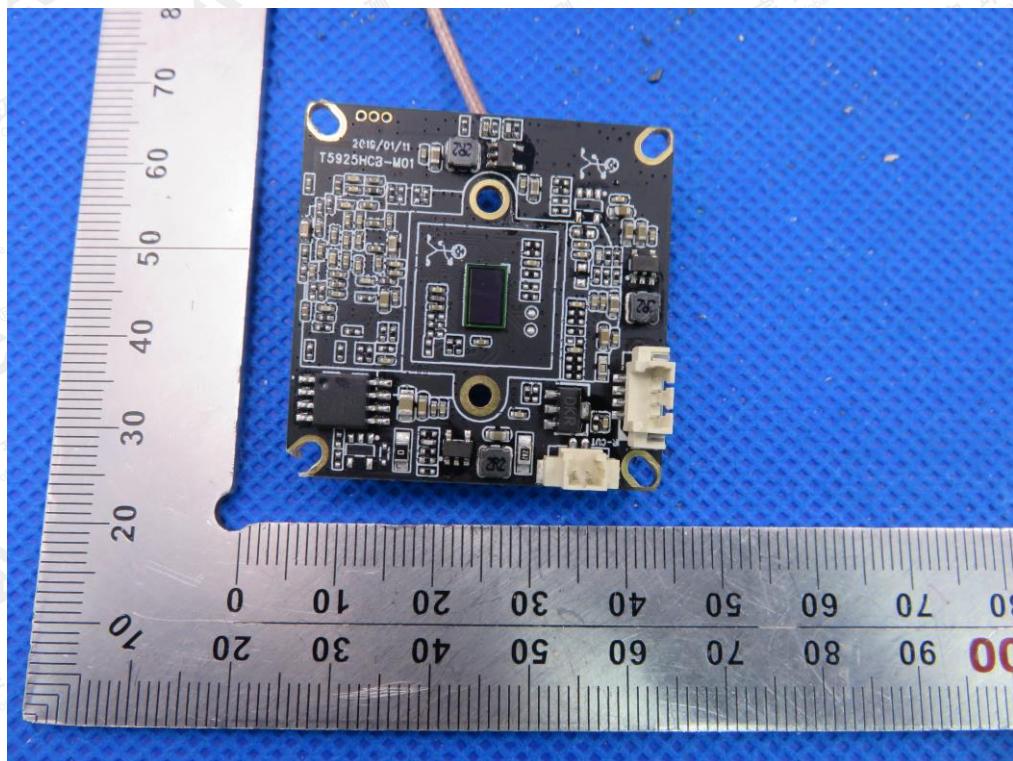
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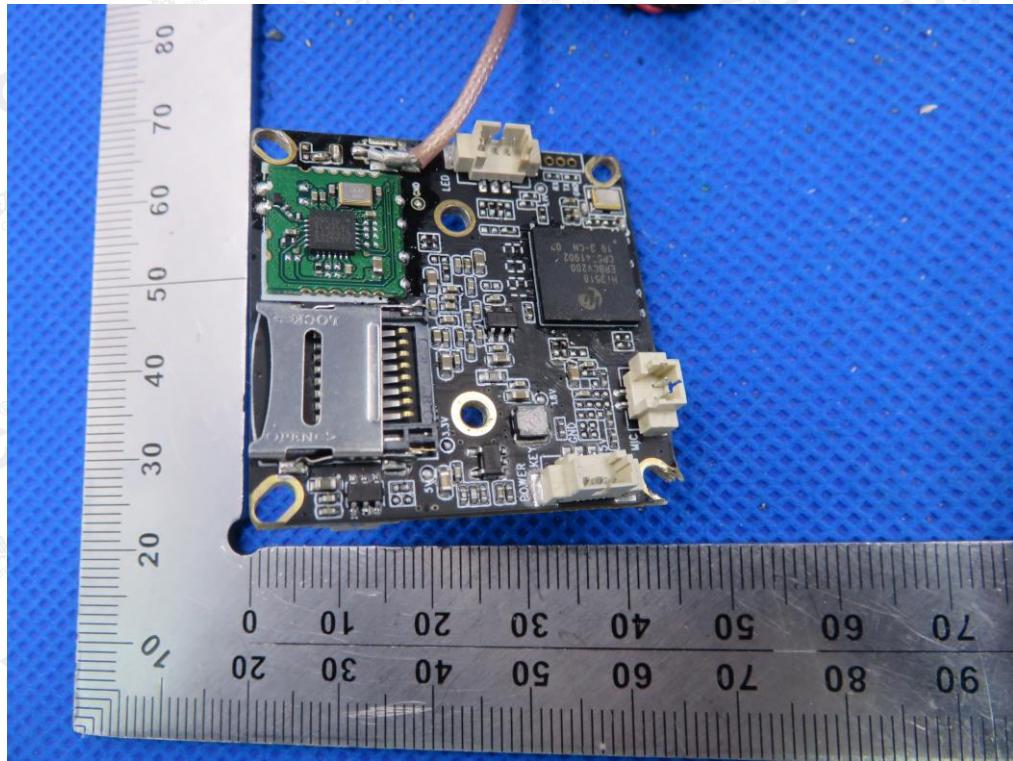
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INTERNAL VIEW OF EUT-1



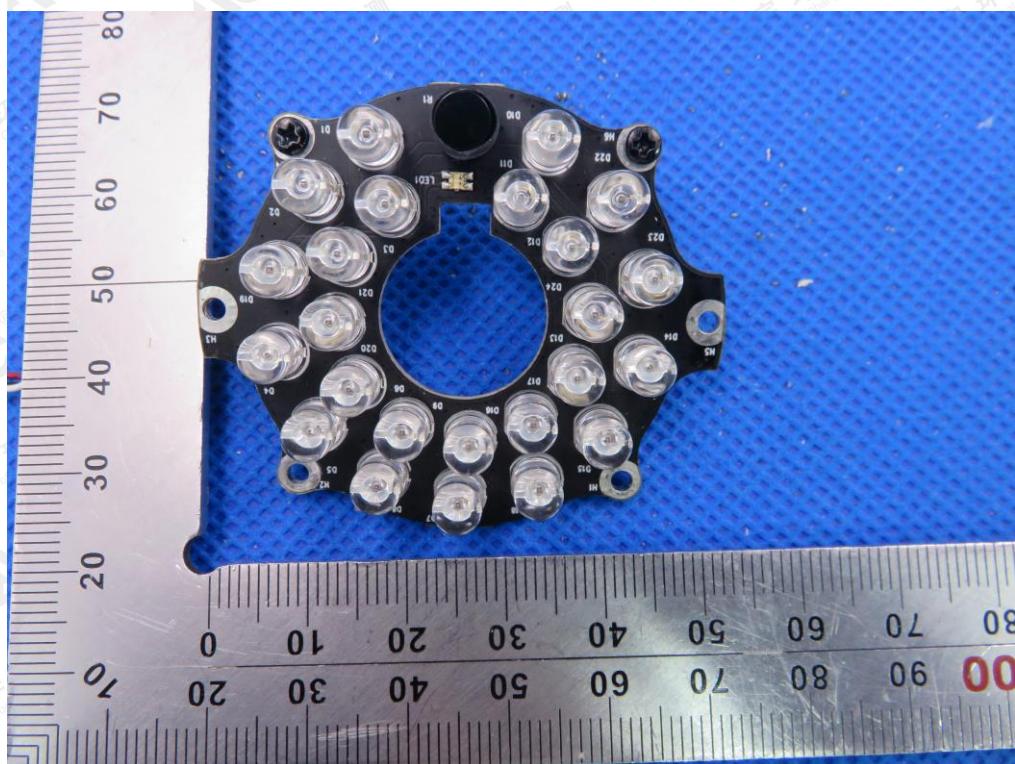
INTERNAL VIEW OF EUT-2



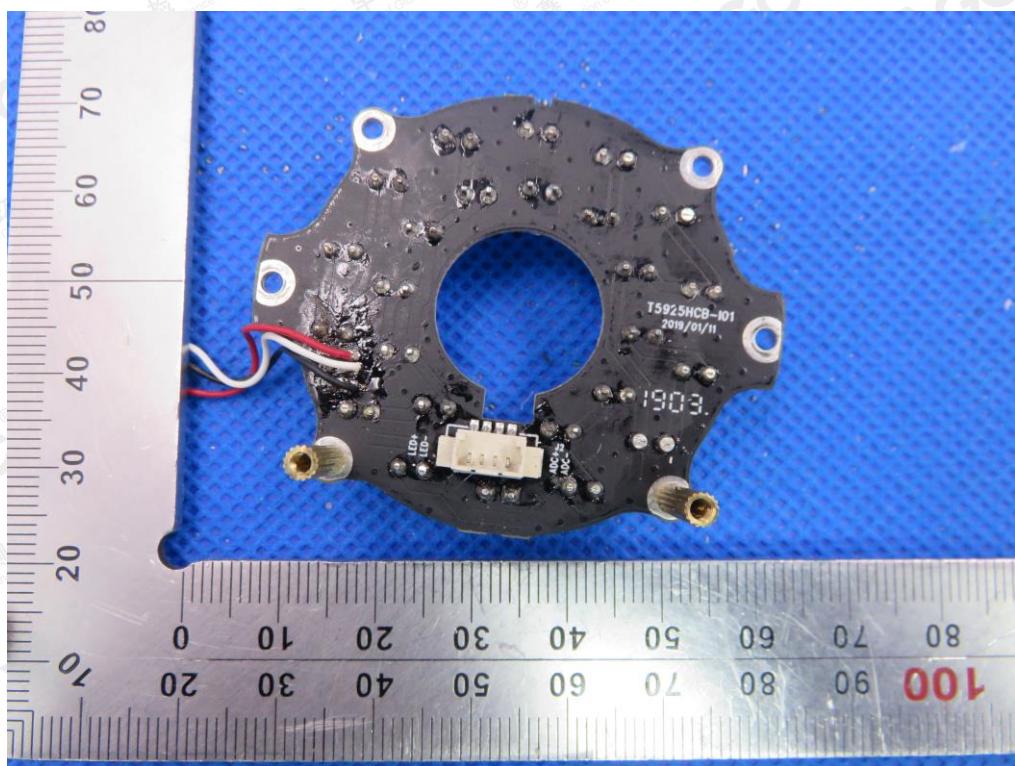
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INTERNAL VIEW OF EUT-3



INTERNAL VIEW OF EUT-4

**----END OF REPORT----**

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