

EUT	IP Camera	Model Name	IP206
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20 with data rate 6.5 2412MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

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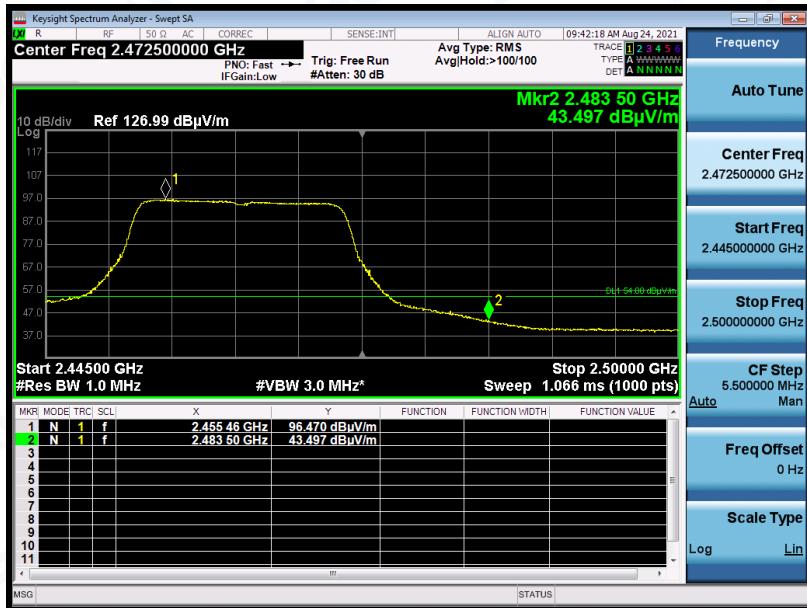


EUT	IP Camera	Model Name	IP206
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

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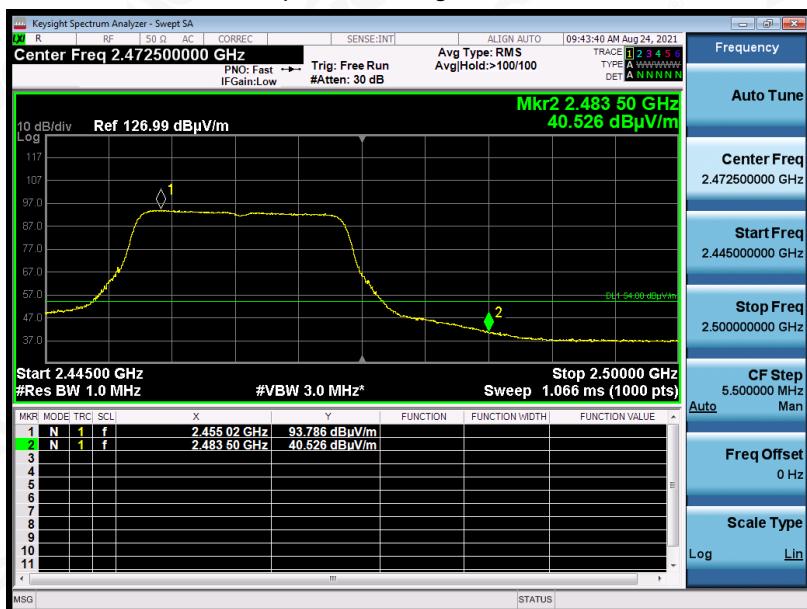


EUT	IP Camera	Model Name	IP206
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n20 with data rate 6.5 2462MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

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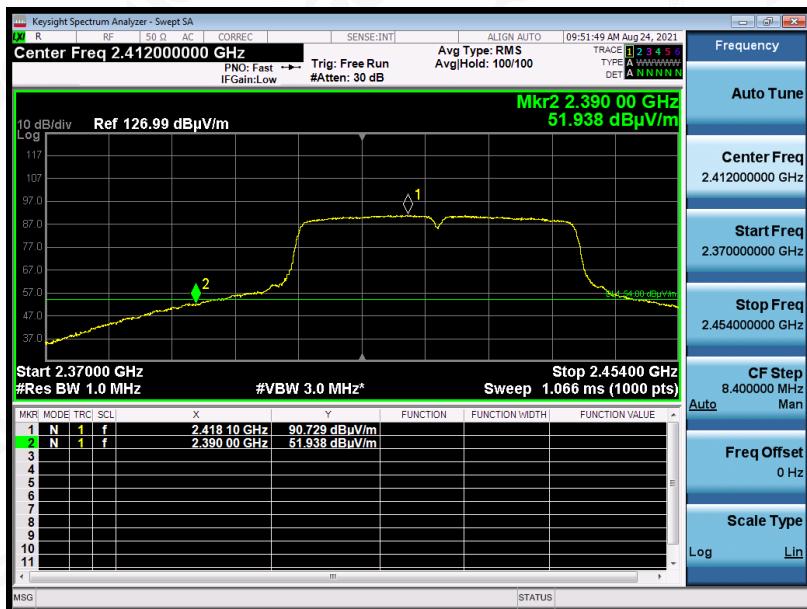


EUT	IP Camera	Model Name	IP206
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 with data rate 13.5 2422MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

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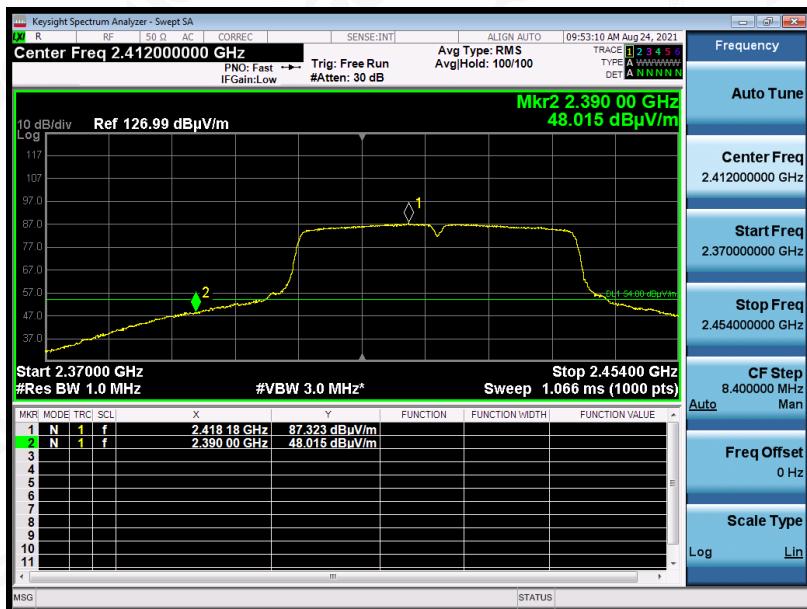


EUT	IP Camera	Model Name	IP206
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 with data rate 13.5 2422MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

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EUT	IP Camera	Model Name	IP206
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 with data rate 13.5 2452MHz	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

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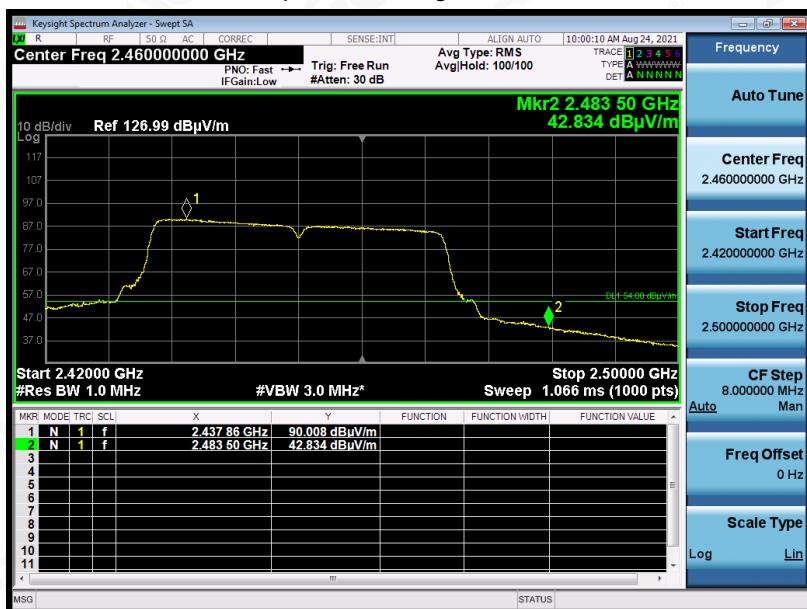


EUT	IP Camera	Model Name	IP206
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n40 with data rate 13.5 2452MHz	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

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12. LINE CONDUCTED EMISSION TEST

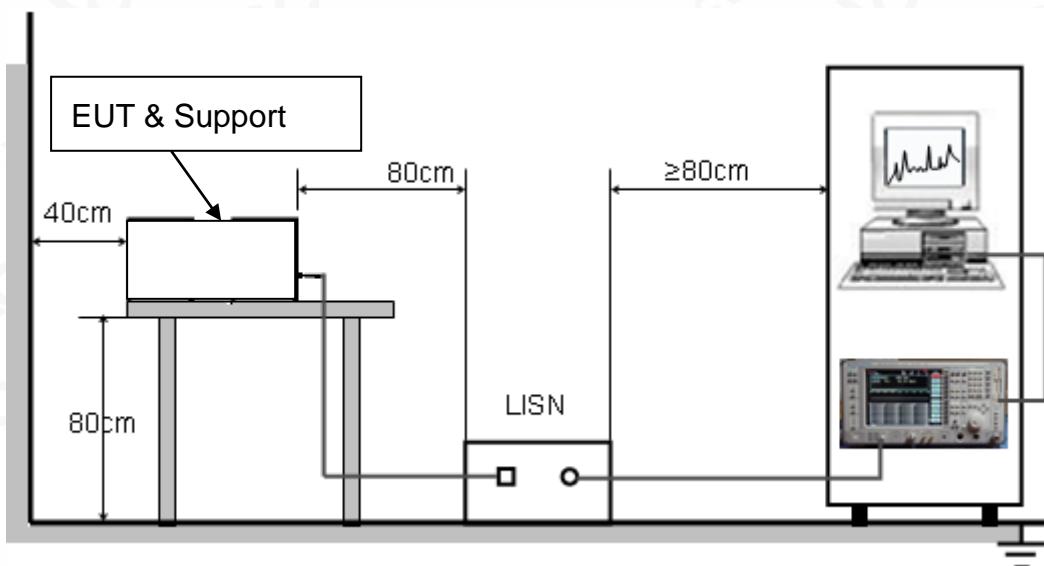
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P (dB μ V)	Average (dB μ V)
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.

12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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12.3. 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 equipment received AC120V/60Hz power from a LISN, if any.
5. The EUT received DC 5V 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.

12.4. 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.
2. 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 was reported on the Summary Data page.

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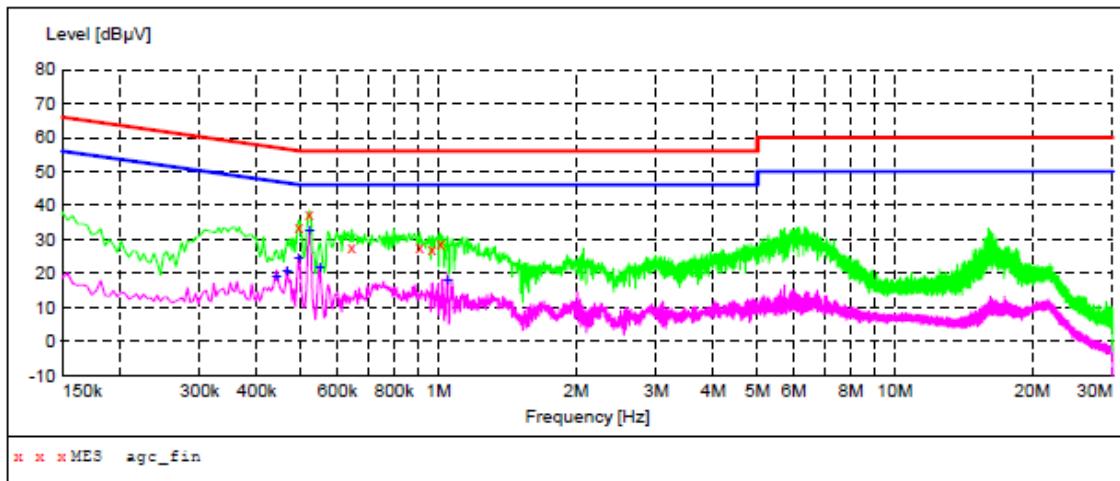
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12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

Line Conducted Emission Test Line 1-L



MEASUREMENT RESULT: "agc_fin"

2021/8/12 10:12

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line
0.494000	33.90	5.4	56	22.2	QP	L1
0.522000	37.20	5.4	56	18.8	QP	L1
0.646000	27.90	5.4	56	28.1	QP	L1
0.910000	27.50	5.4	56	28.5	QP	L1
0.970000	27.10	5.4	56	28.9	QP	L1
1.010000	28.90	5.4	56	27.1	QP	L1

MEASUREMENT RESULT: "agc_fin2"

2021/8/12 10:12

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line
0.442000	18.80	5.6	47	28.2	AV	L1
0.466000	20.40	5.5	47	26.2	AV	L1
0.494000	24.40	5.4	46	21.7	AV	L1
0.522000	32.70	5.4	46	13.3	AV	L1
0.550000	22.00	5.4	46	24.0	AV	L1
1.046000	18.10	5.5	46	27.9	AV	L1

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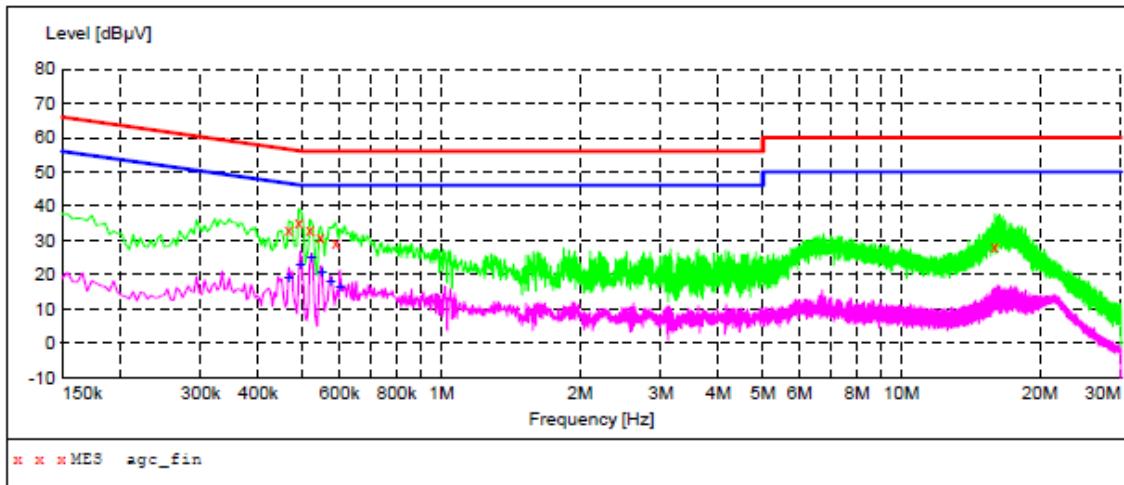
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Line Conducted Emission Test Line 2-N


MEASUREMENT RESULT: "agc_fin"

2021/8/12 10:15

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line
0.466000	33.20	5.5	57	23.4	QP	N
0.490000	35.20	5.4	56	21.0	QP	N
0.518000	33.00	5.4	56	23.0	QP	N
0.546000	31.20	5.4	56	24.8	QP	N
0.590000	29.60	5.4	56	26.4	QP	N
15.938000	28.40	8.4	60	31.6	QP	N

MEASUREMENT RESULT: "agc_fin2"

2021/8/12 10:15

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line
0.466000	19.10	5.5	47	27.5	AV	N
0.494000	22.90	5.4	46	23.2	AV	N
0.522000	25.10	5.4	46	20.9	AV	N
0.550000	20.40	5.4	46	25.6	AV	N
0.574000	17.90	5.4	46	28.1	AV	N
0.602000	16.10	5.4	46	29.9	AV	N

RESULT: PASS

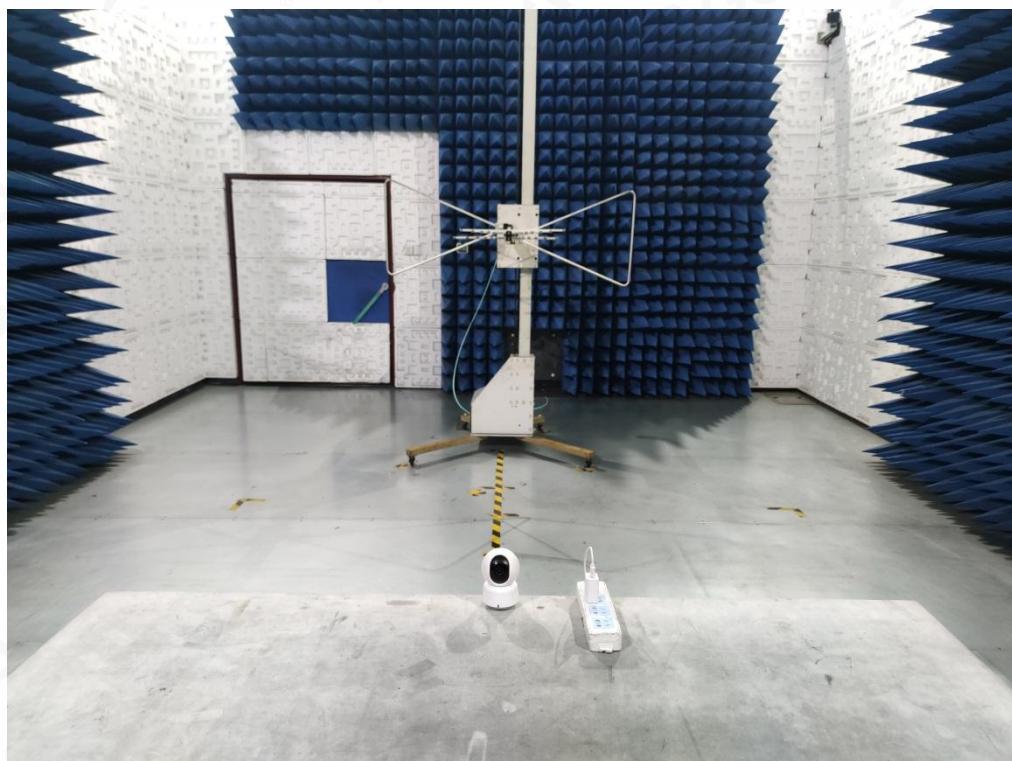
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APPENDIX A: PHOTOGRAPHS OF TEST SETUP
FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ**FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ**

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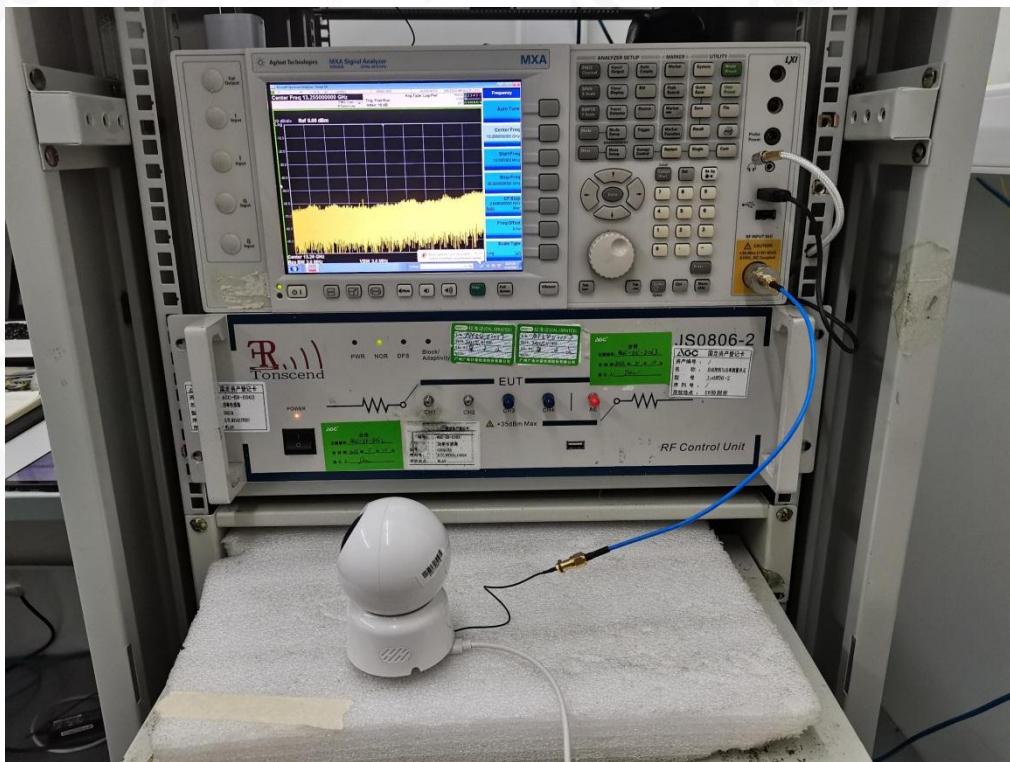
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CONDUCTED EMISSION TEST SETUP



CONDUCTED TEST SETUP



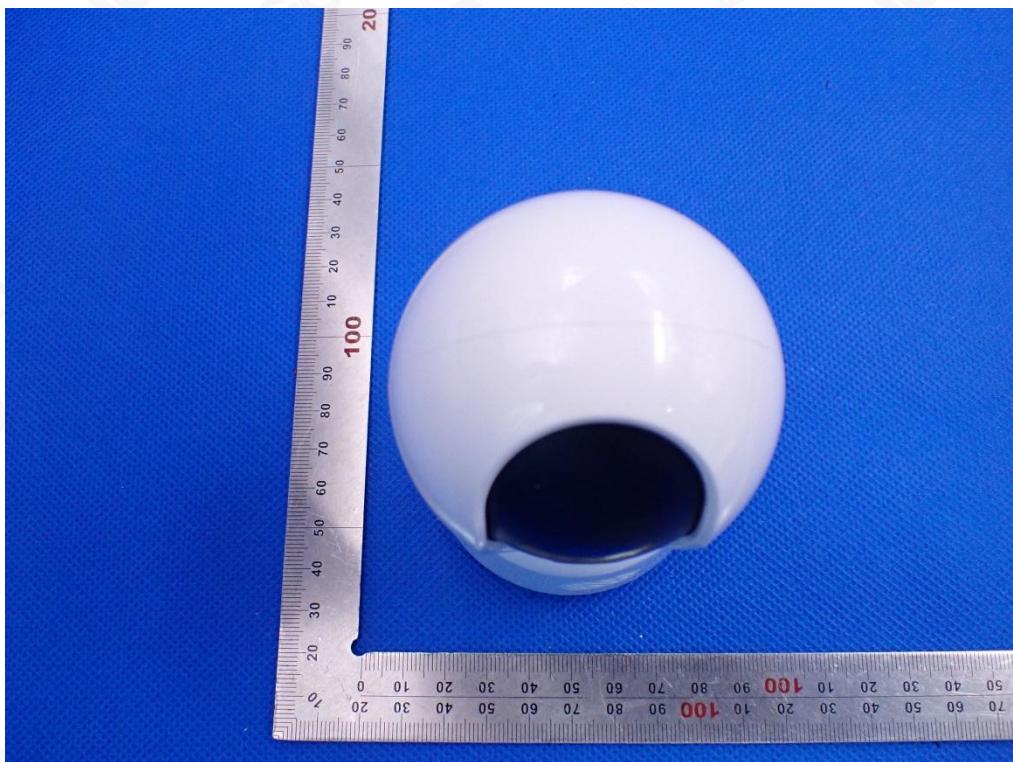
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APPENDIX B: PHOTOGRAPHS OF EUT**ALL VIEW OF EUT****EXTERNAL VIEW-1 OF EUT**

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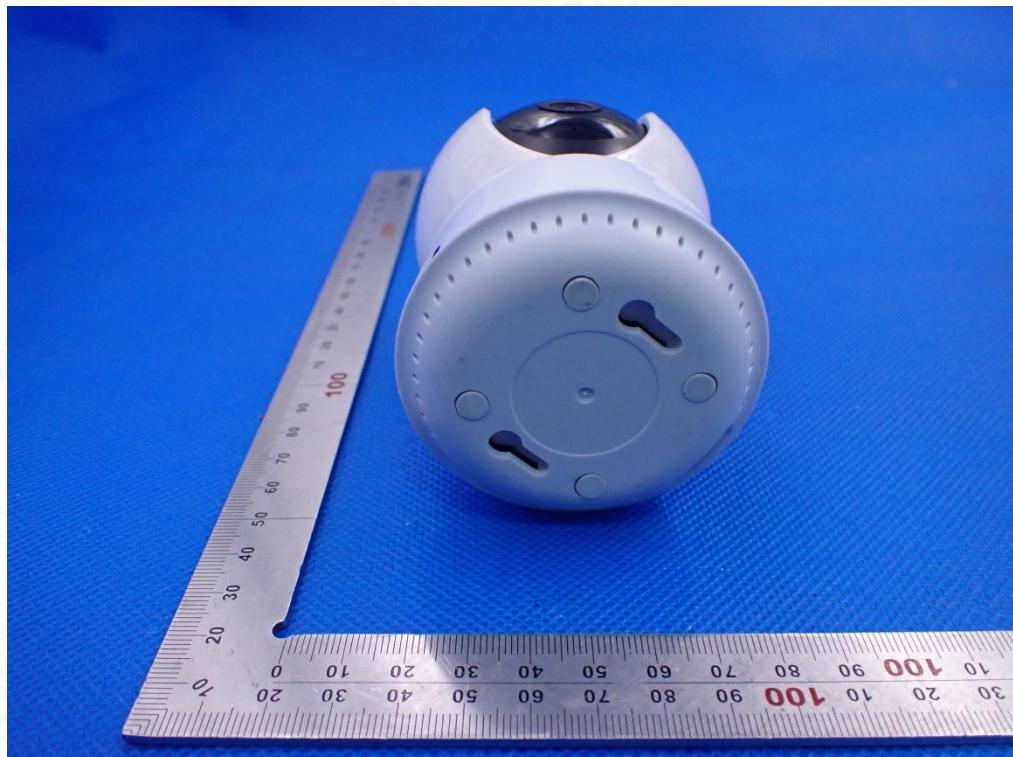
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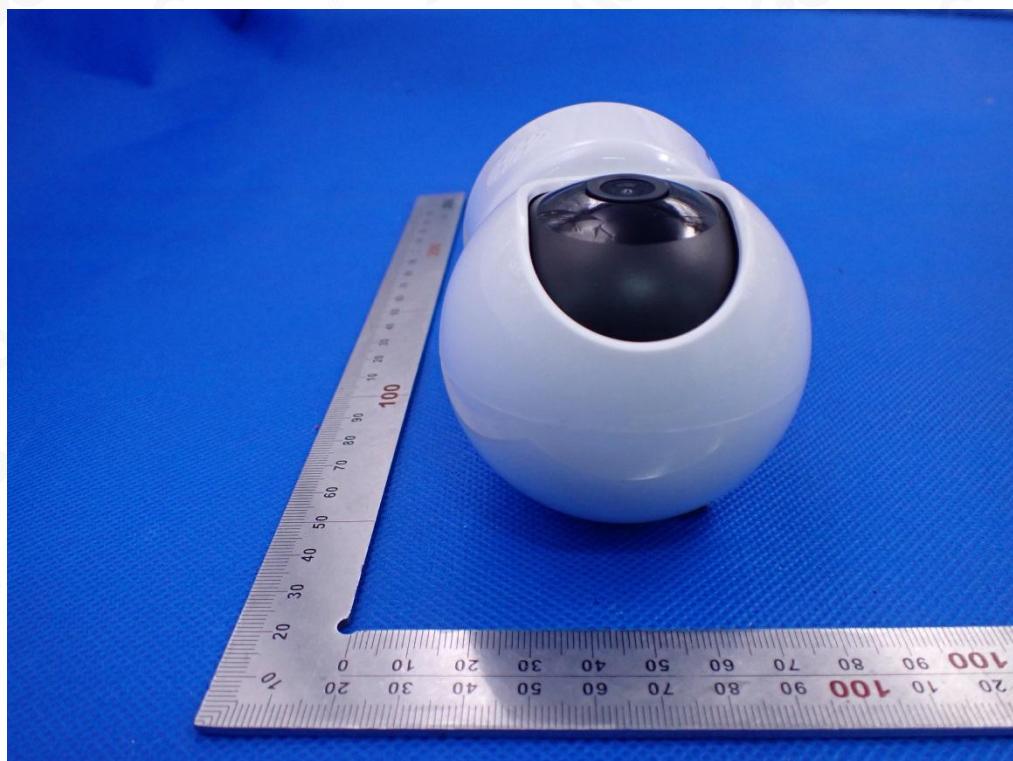
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EXTERNAL VIEW-2 OF EUT



EXTERNAL VIEW-3 OF EUT



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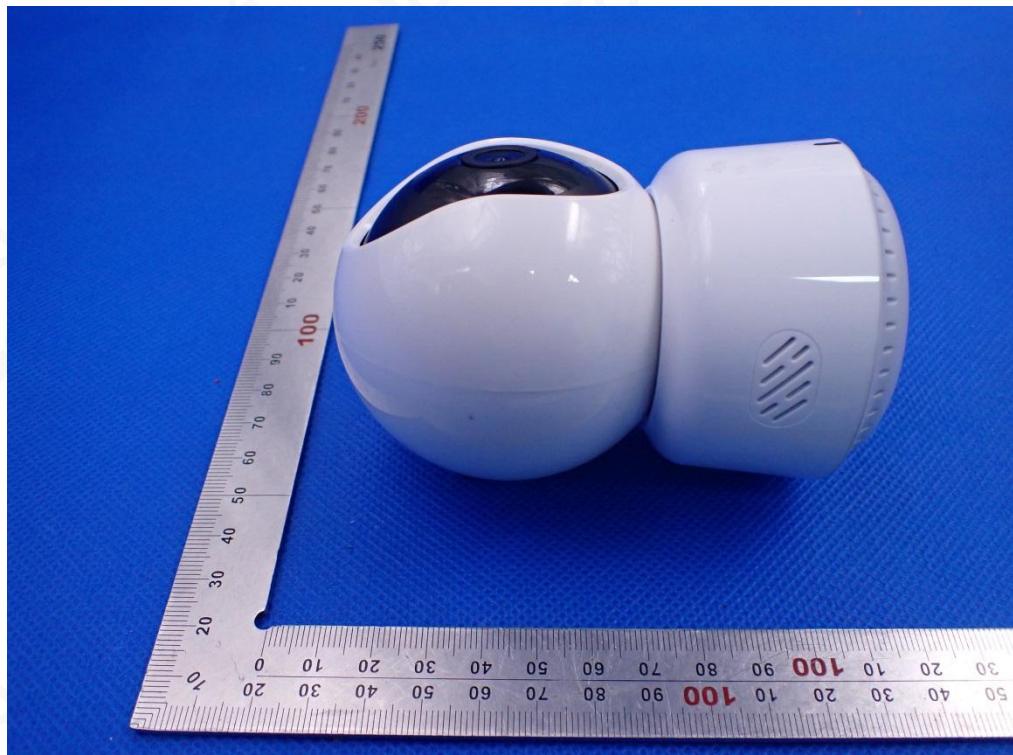
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EXTERNAL VIEW-4 OF EUT



EXTERNAL VIEW-5 OF EUT



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EXTERNAL VIEW-6 OF EUT



EXTERNAL VIEW-7 OF EUT



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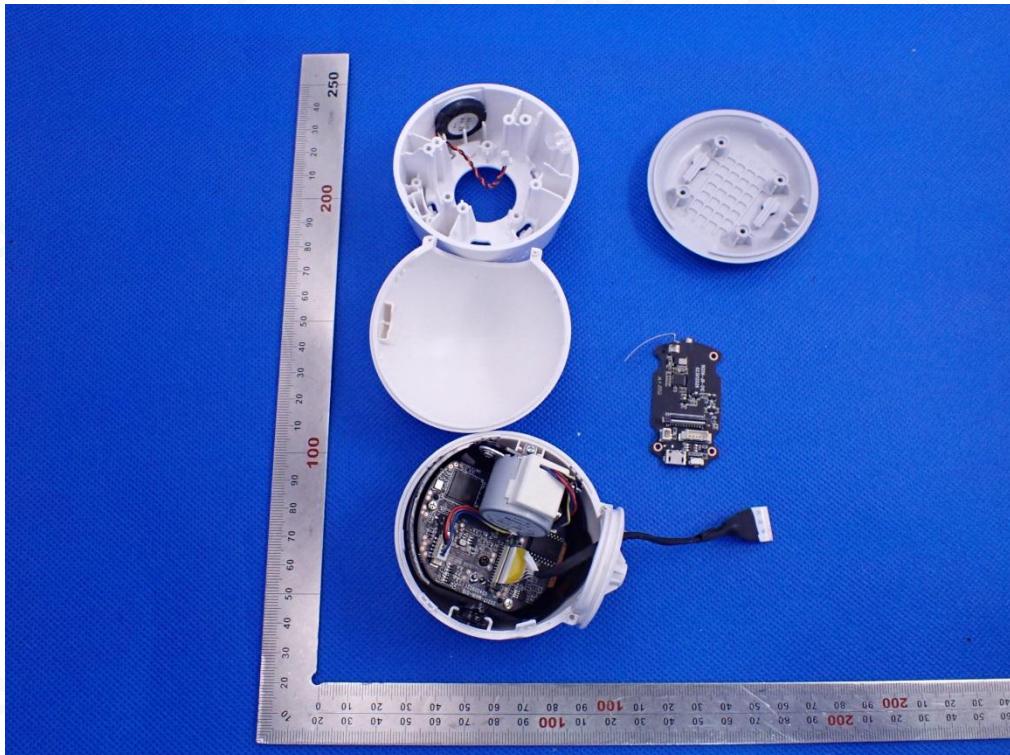
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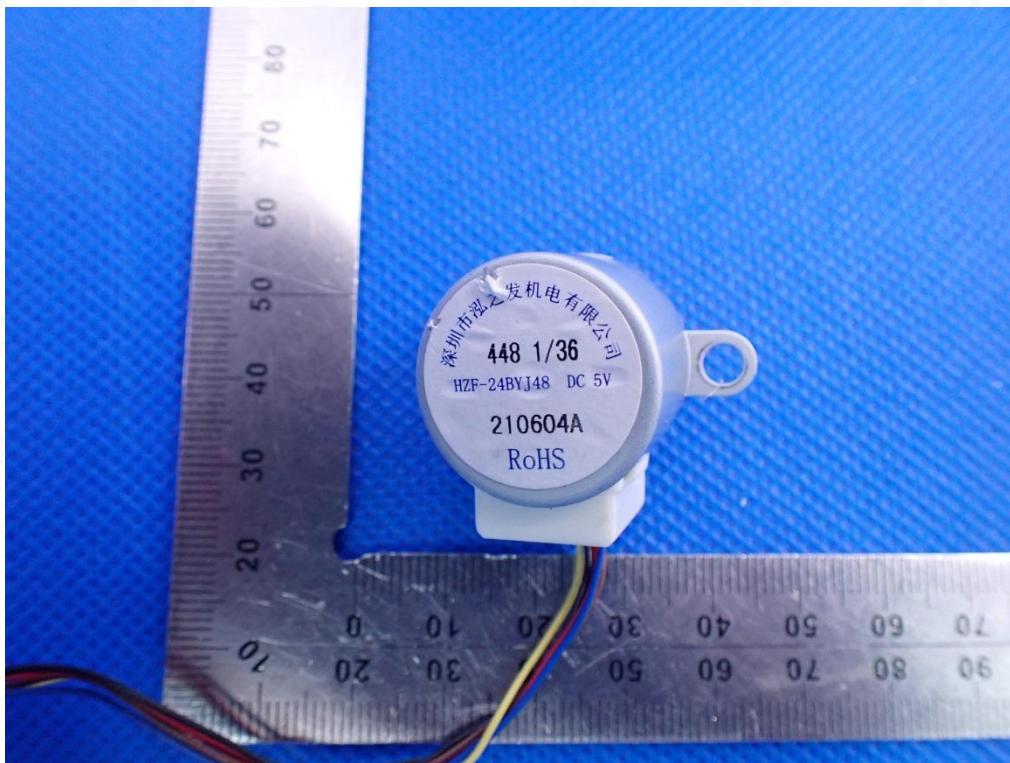
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INTERNAL VIEW-1 OF EUT



INTERNAL VIEW-2 OF EUT



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