

EUT	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
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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Temperature	25°C	Relative Humidity	55.4%
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Test Mode	802.11g with data rate 6 2412MHz	Antenna	Vertical

PK



AV



RESULT: PASS

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EUT	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
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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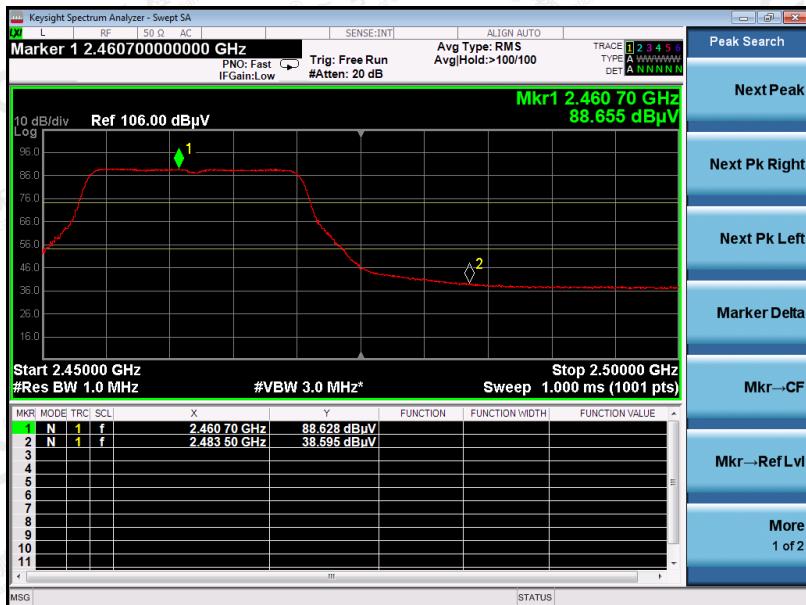


EUT	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Vertical

PK



AV



RESULT: PASS

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EUT	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
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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EUT	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
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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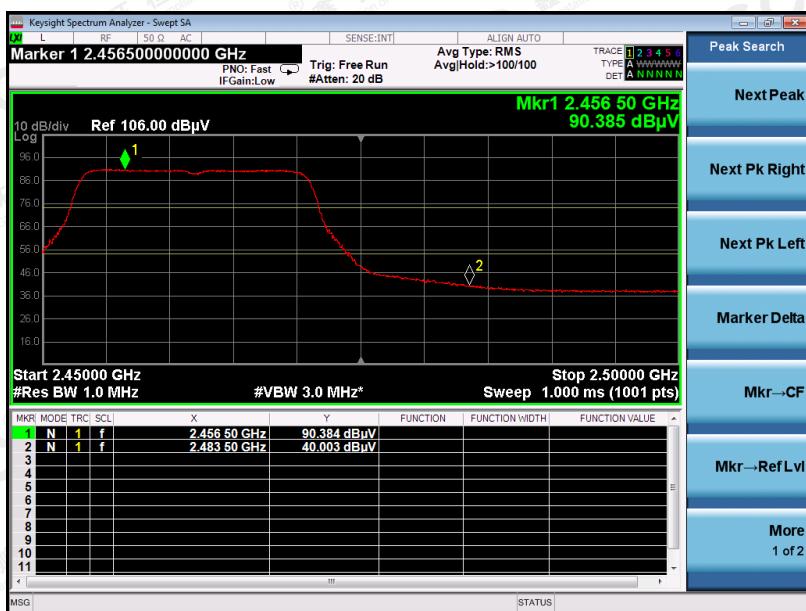


EUT	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Horizontal

PK



AV



RESULT: PASS

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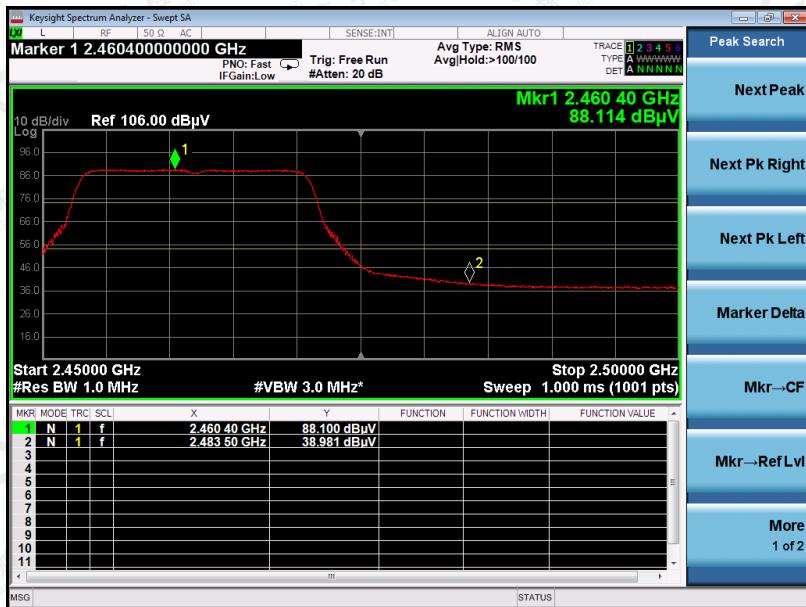


EUT	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHZ	Antenna	Vertical

PK



AV



RESULT: PASS

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EUT	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
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	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
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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EUT	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
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	Four-Channel Wireless Digital Surveillance System	Model Name	GD8005
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

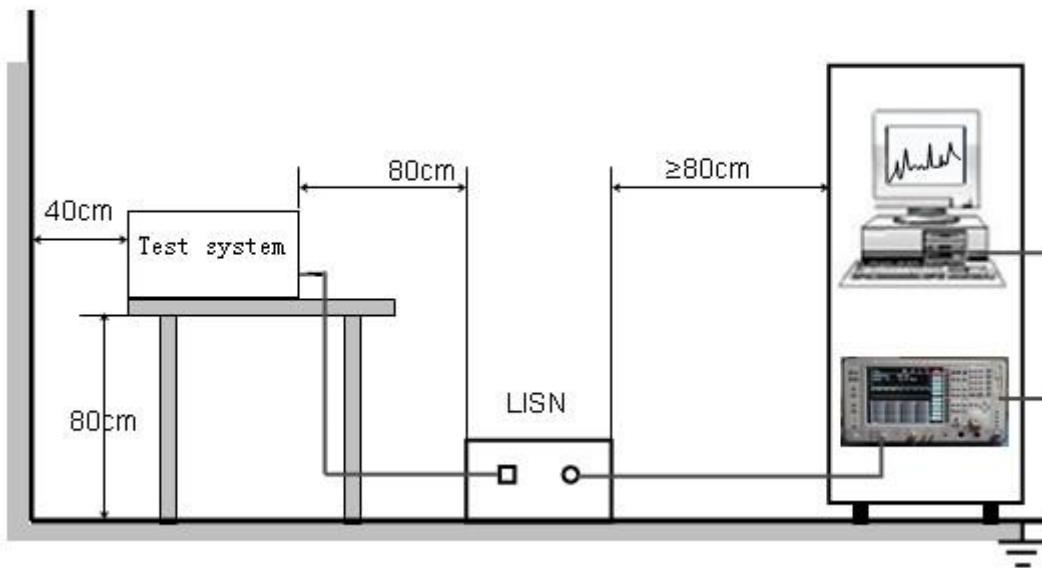
13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

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

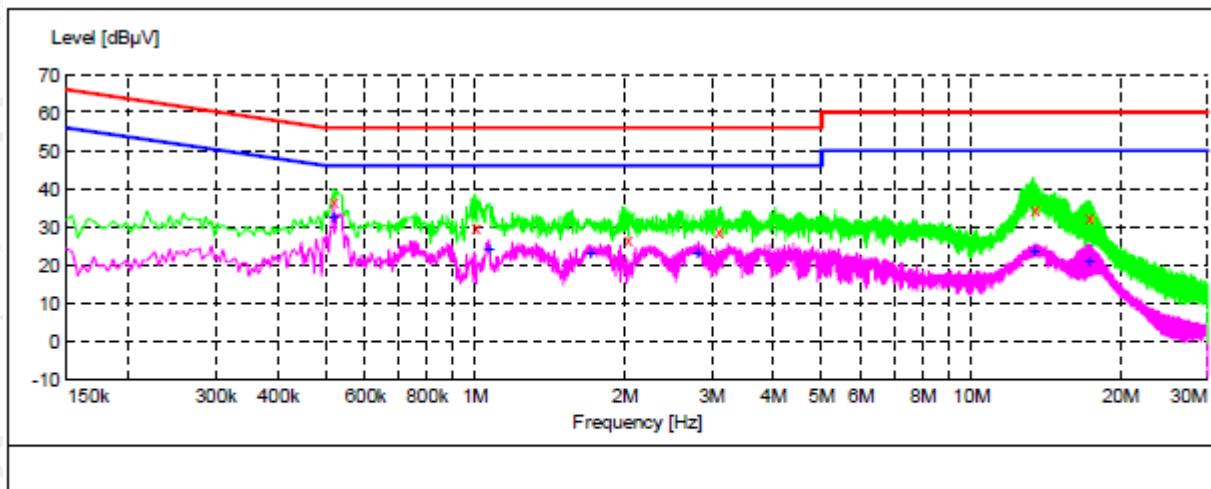
- (1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the 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 DC 12V power from adapter 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

LINE CONDUCTED EMISSION TEST-L1



MEASUREMENT RESULT: "TEST_fin"

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.518000	36.90	10.3	56	19.1	QP	L1	FLO
1.002000	29.90	10.4	56	26.1	QP	L1	FLO
2.030000	26.50	10.4	56	29.5	QP	L1	FLO
3.094000	29.10	10.4	56	26.9	QP	L1	FLO
13.406000	34.30	10.8	60	25.7	QP	L1	FLO
17.286000	32.40	11.0	60	27.6	QP	L1	FLO

MEASUREMENT RESULT: "TEST_fin2"

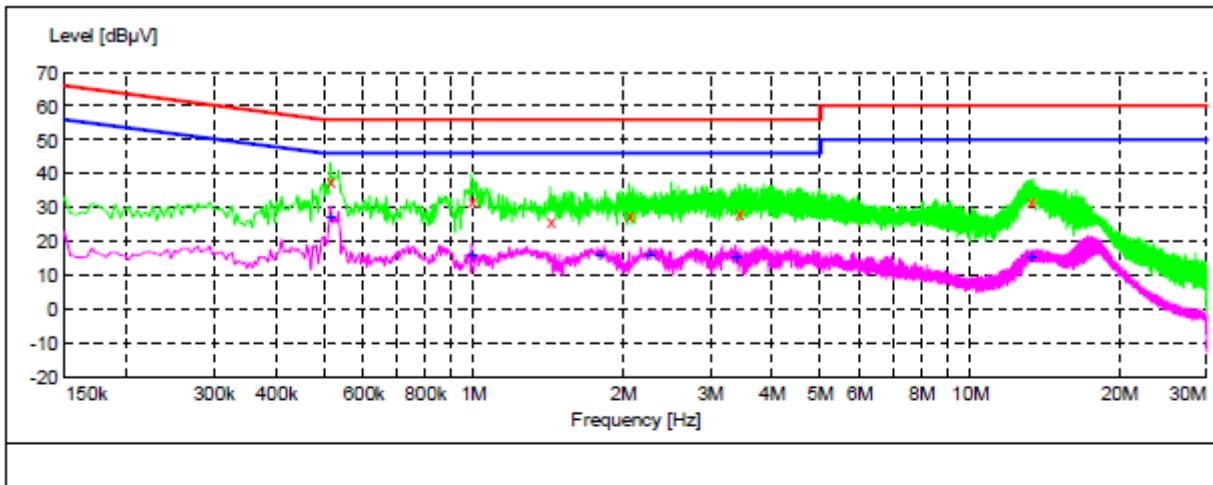
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.518000	32.40	10.3	46	13.6	AV	L1	FLO
1.066000	24.00	10.4	46	22.0	AV	L1	FLO
1.702000	23.10	10.4	46	22.9	AV	L1	FLO
2.802000	23.30	10.4	46	22.7	AV	L1	FLO
13.410000	23.60	10.8	50	26.4	AV	L1	FLO
17.286000	21.10	11.0	50	28.9	AV	L1	FLO

RESULT: PASS

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LINE CONDUCTED EMISSION TEST-N



MEASUREMENT RESULT: "TEST_fin"

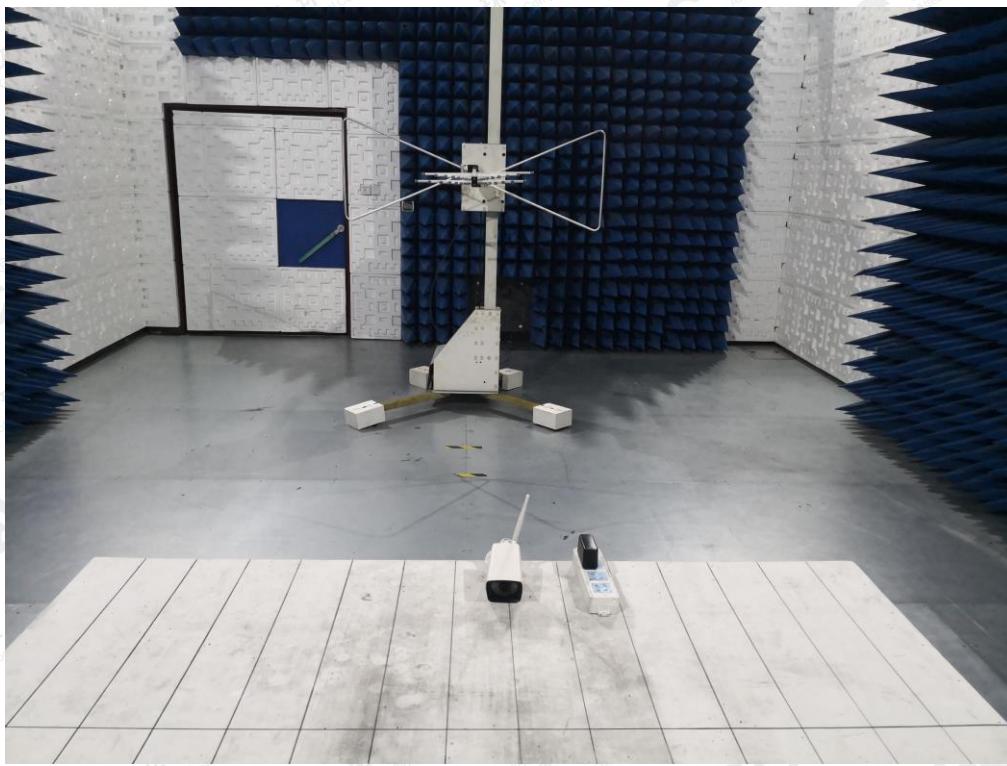
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.514000	38.20	10.3	56	17.8	QP	N	FLO
0.990000	32.00	10.4	56	24.0	QP	N	FLO
1.430000	26.10	10.4	56	29.9	QP	N	FLO
2.058000	27.90	10.4	56	28.1	QP	N	FLO
3.422000	28.70	10.4	56	27.3	QP	N	FLO
13.254000	31.80	10.8	60	28.2	QP	N	FLO

MEASUREMENT RESULT: "TEST_fin2"

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.514000	27.10	10.3	46	18.9	AV	N	FLO
0.990000	16.10	10.4	46	29.9	AV	N	FLO
1.794000	16.40	10.4	46	29.6	AV	N	FLO
2.258000	16.20	10.4	46	29.8	AV	N	FLO
3.374000	15.20	10.4	46	30.8	AV	N	FLO
13.254000	15.50	10.8	50	34.5	AV	N	FLO

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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

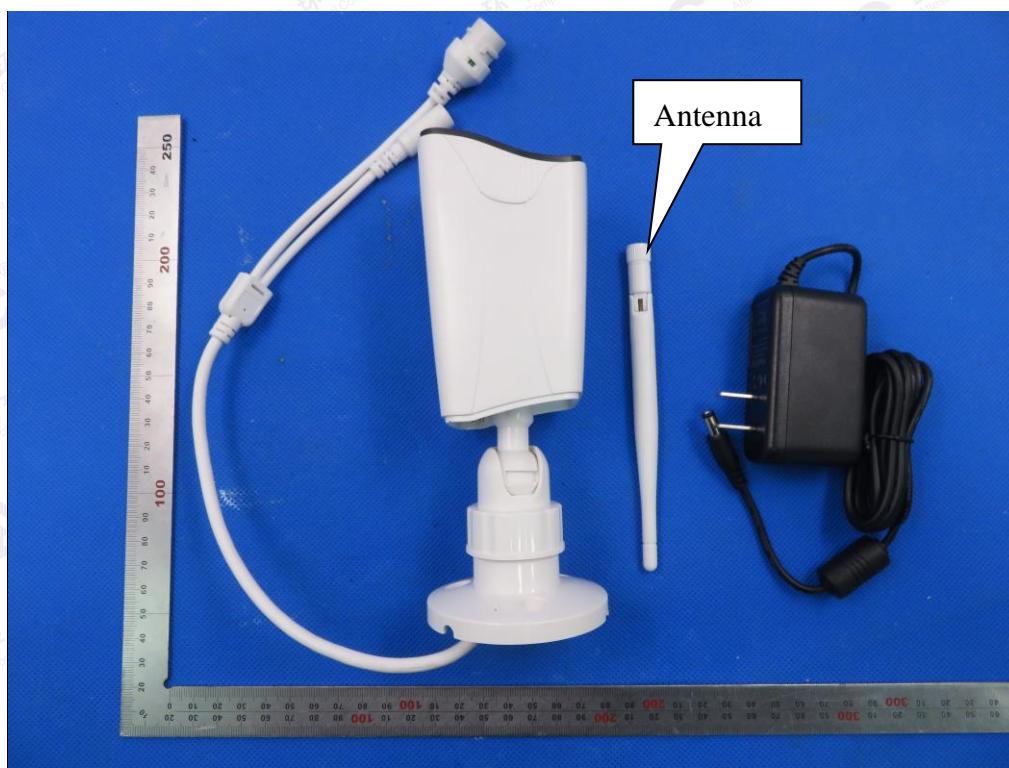


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APPENDIX B: PHOTOGRAPHS OF EUT**ALL VIEW OF EUT****TOP VIEW OF EUT**

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BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



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BACK VIEW OF EUT



LEFT VIEW OF EUT



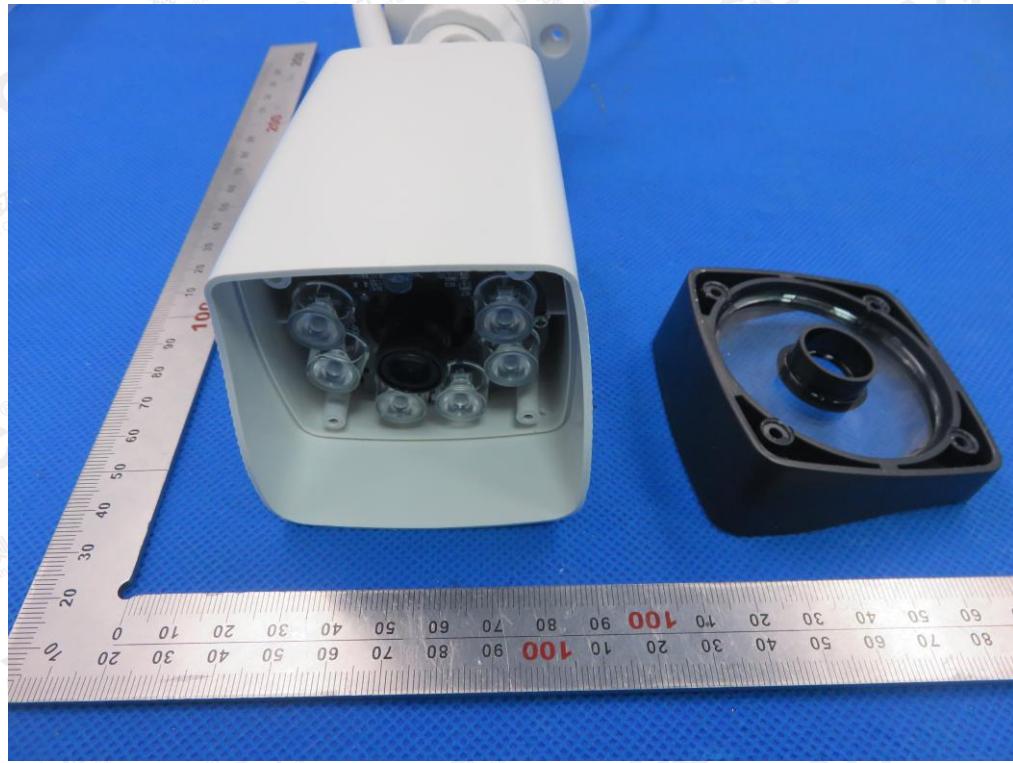
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RIGHT VIEW OF EUT



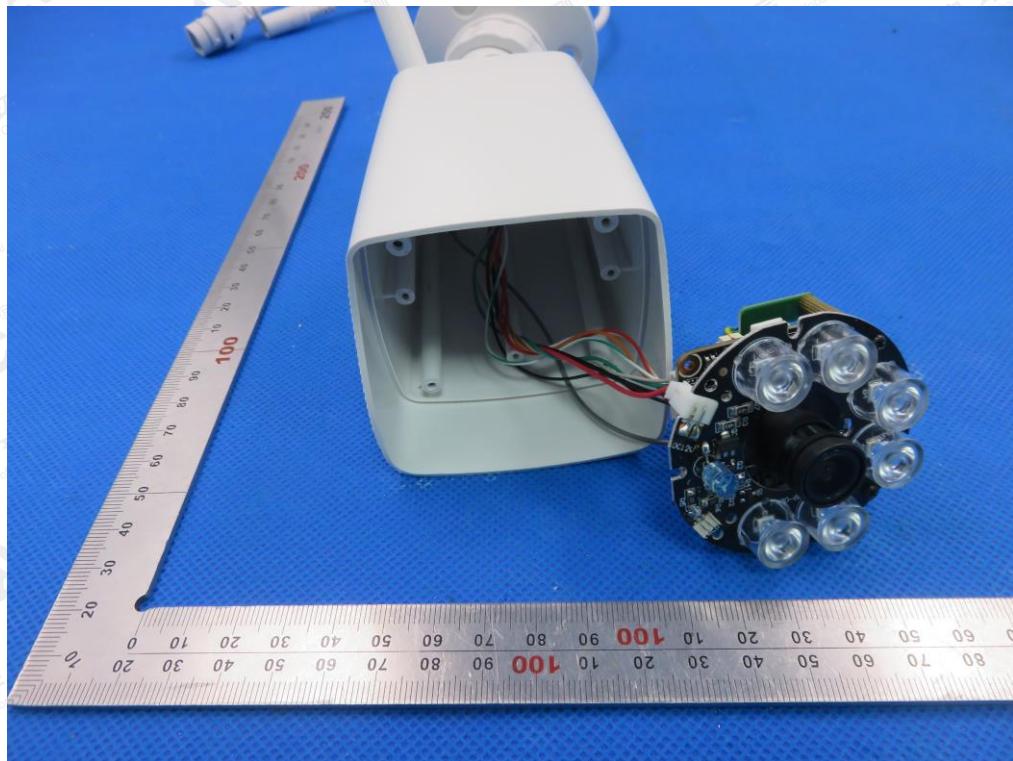
OPEN VIEW OF EUT-1



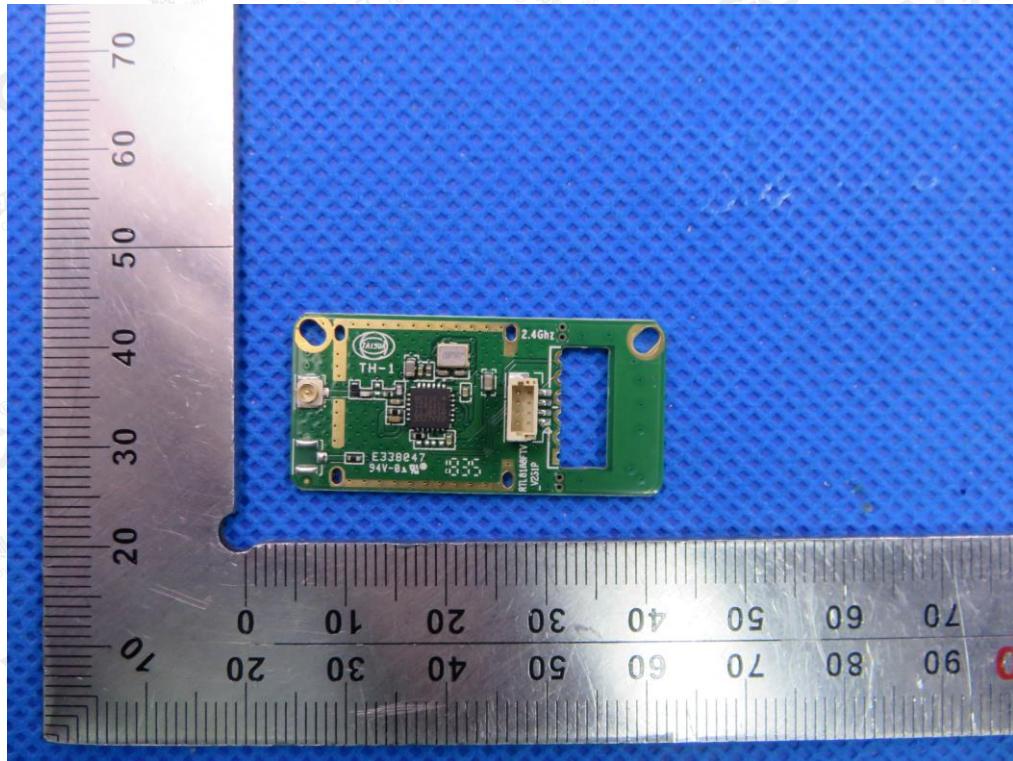
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OPEN VIEW OF EUT-2



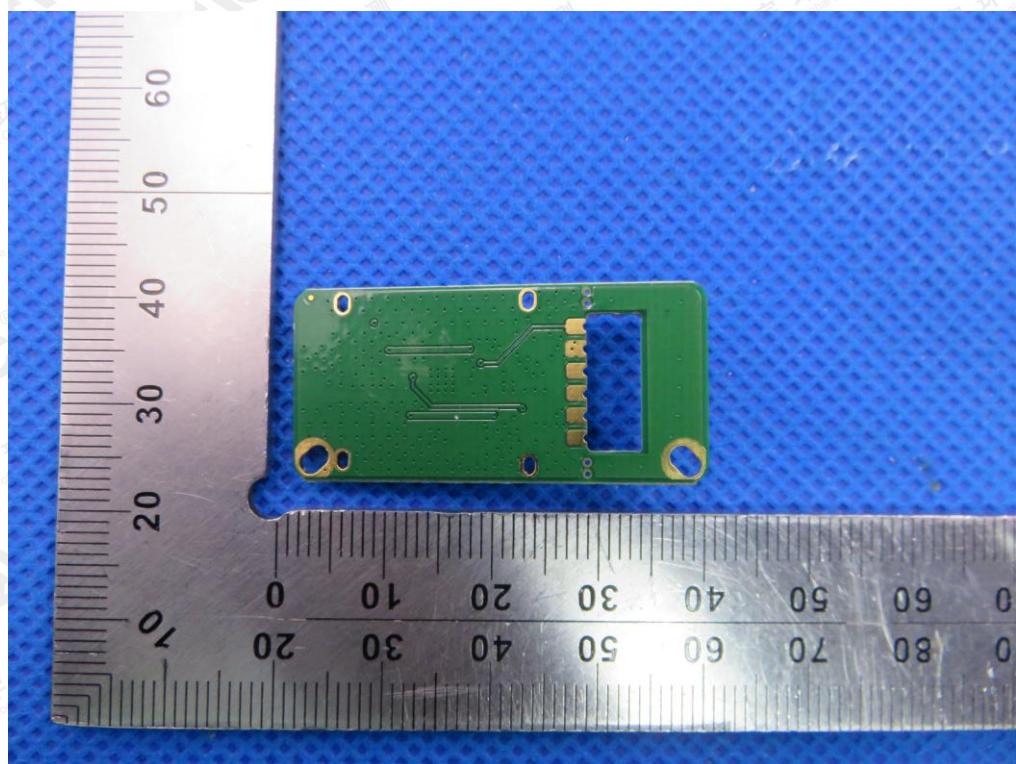
INTERNAL VIEW OF EUT-1



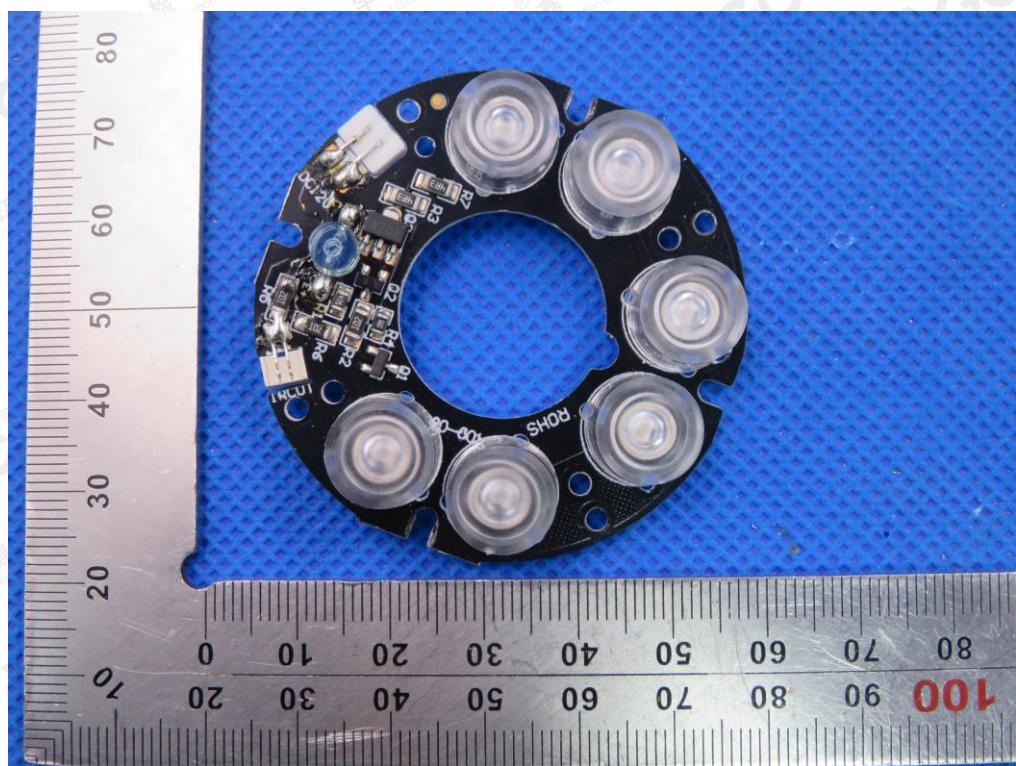
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INTERNAL VIEW OF EUT-2



INTERNAL VIEW OF EUT-3



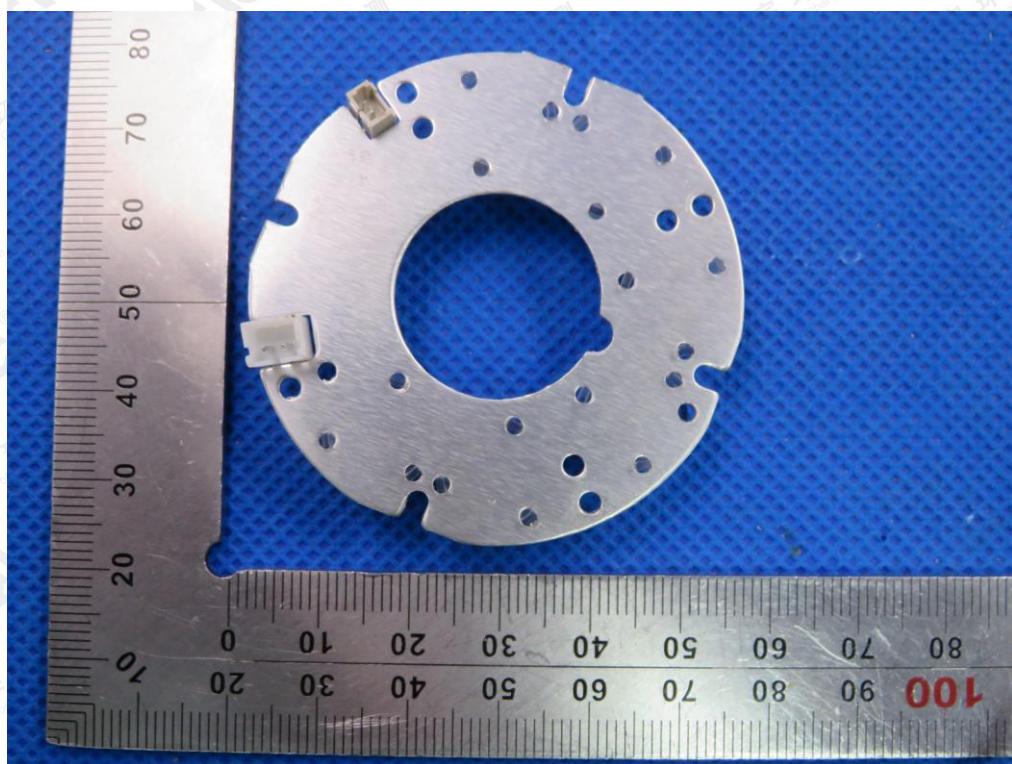
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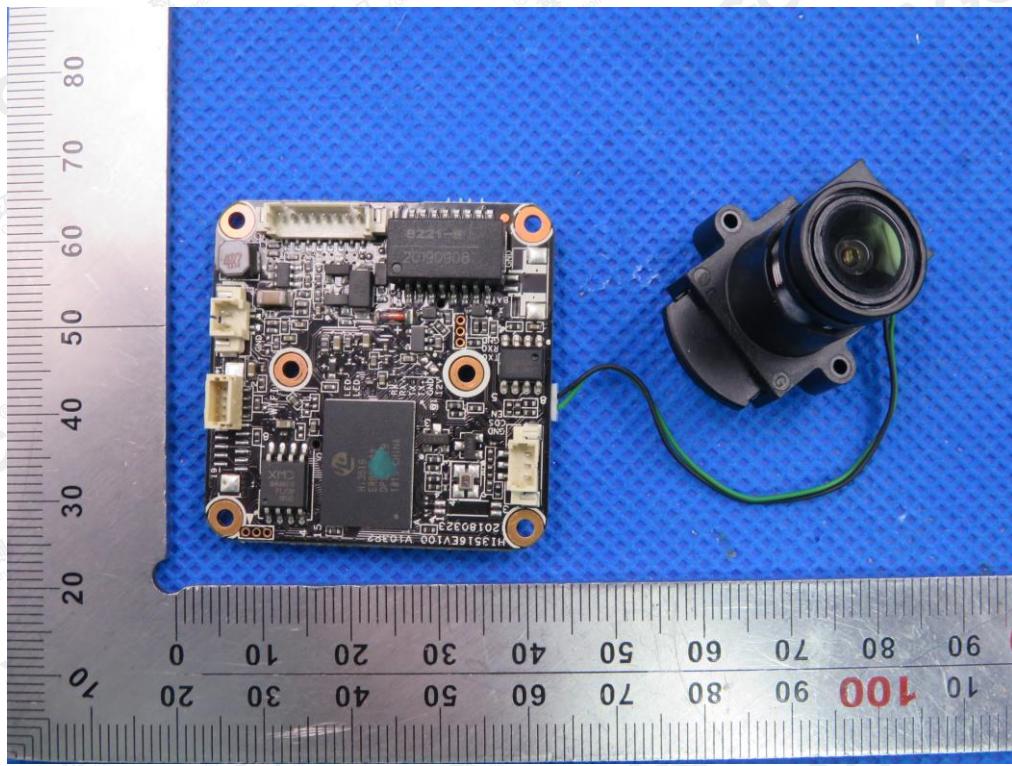
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INTERNAL VIEW OF EUT-4



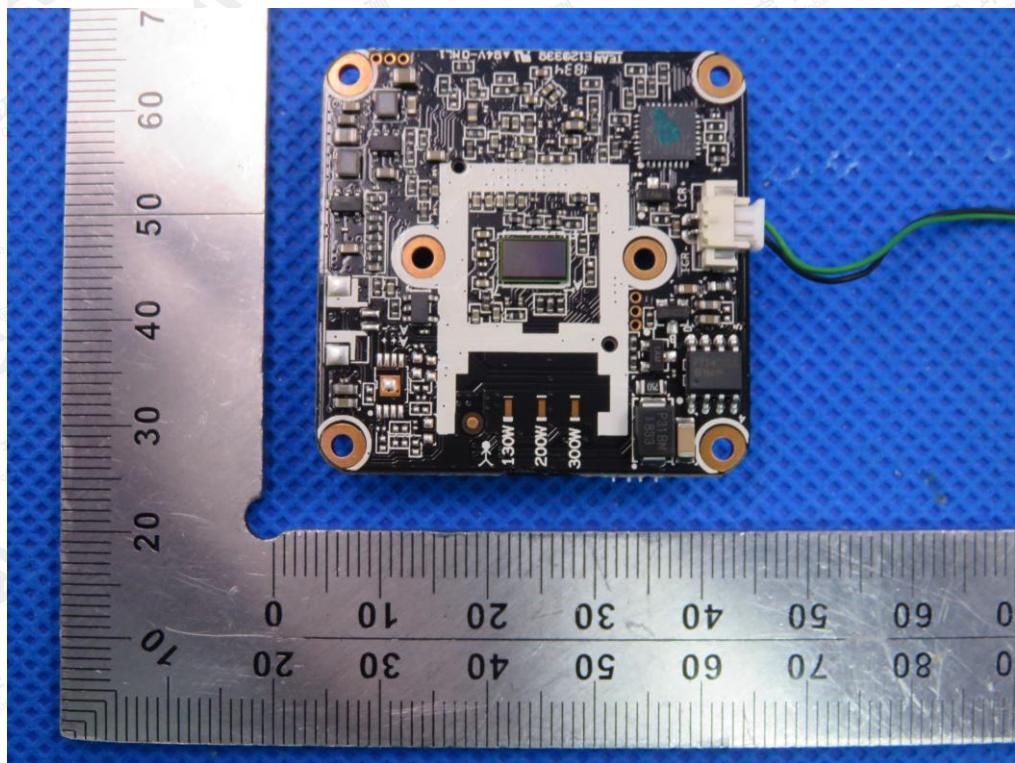
INTERNAL VIEW OF EUT-5



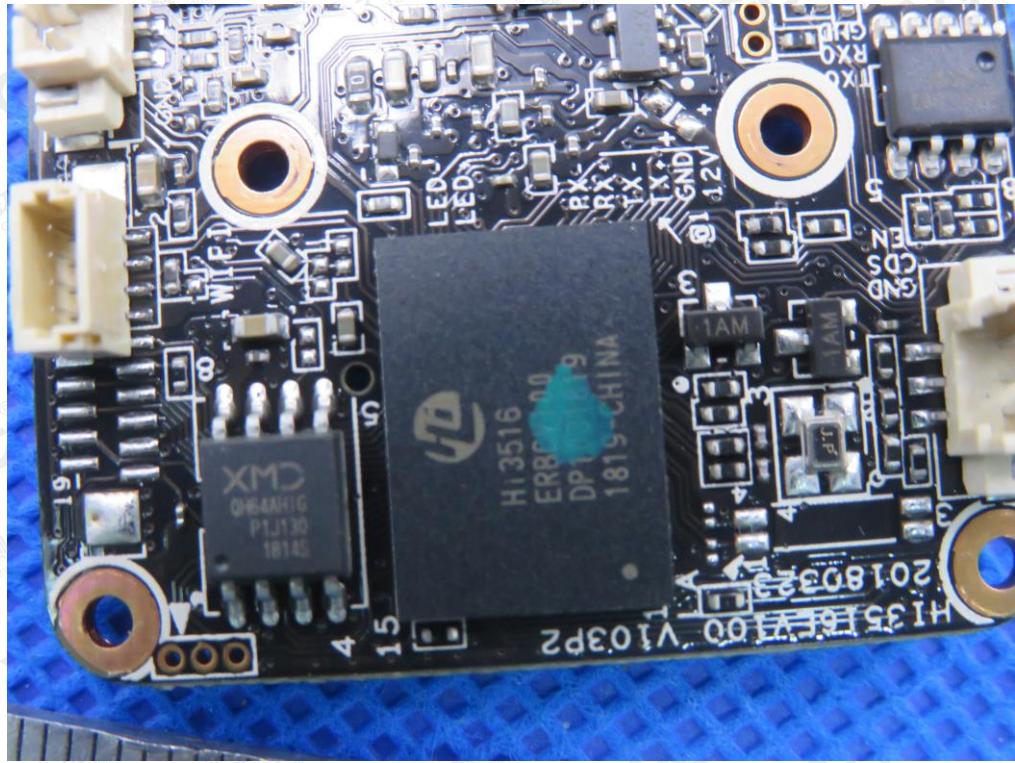
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INTERNAL VIEW OF EUT-6



INTERNAL VIEW OF EUT-7



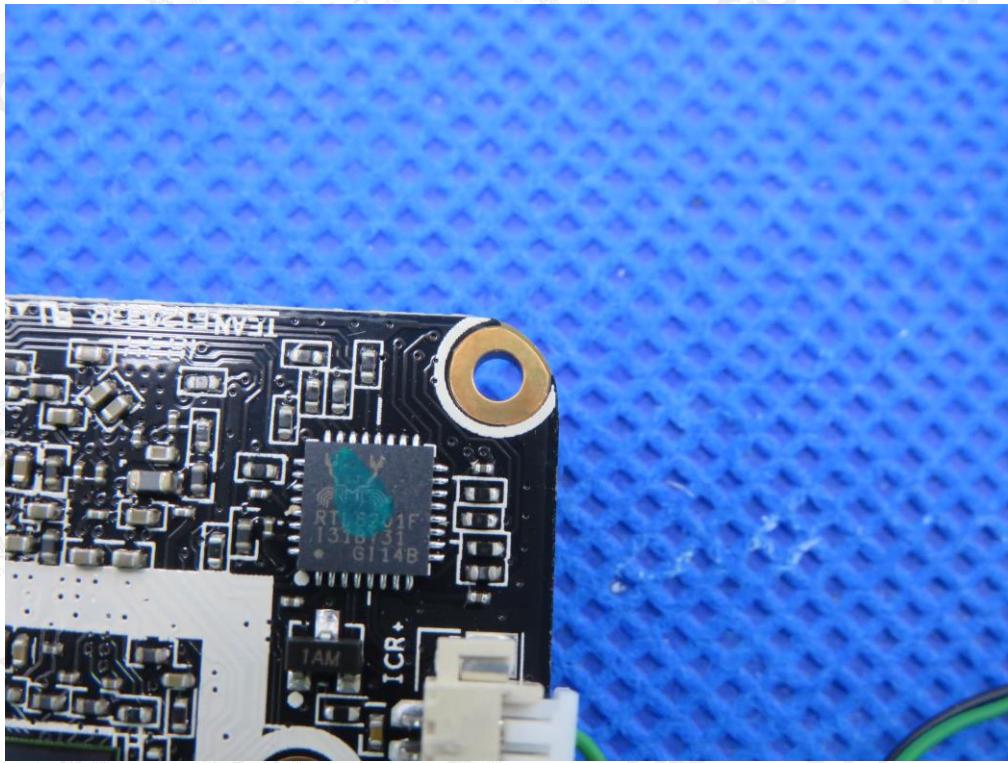
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INTERNAL VIEW OF EUT-8



INTERNAL VIEW OF EUT-9



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VIEW OF ANTENNA CONNECTOR



----END OF REPORT----

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