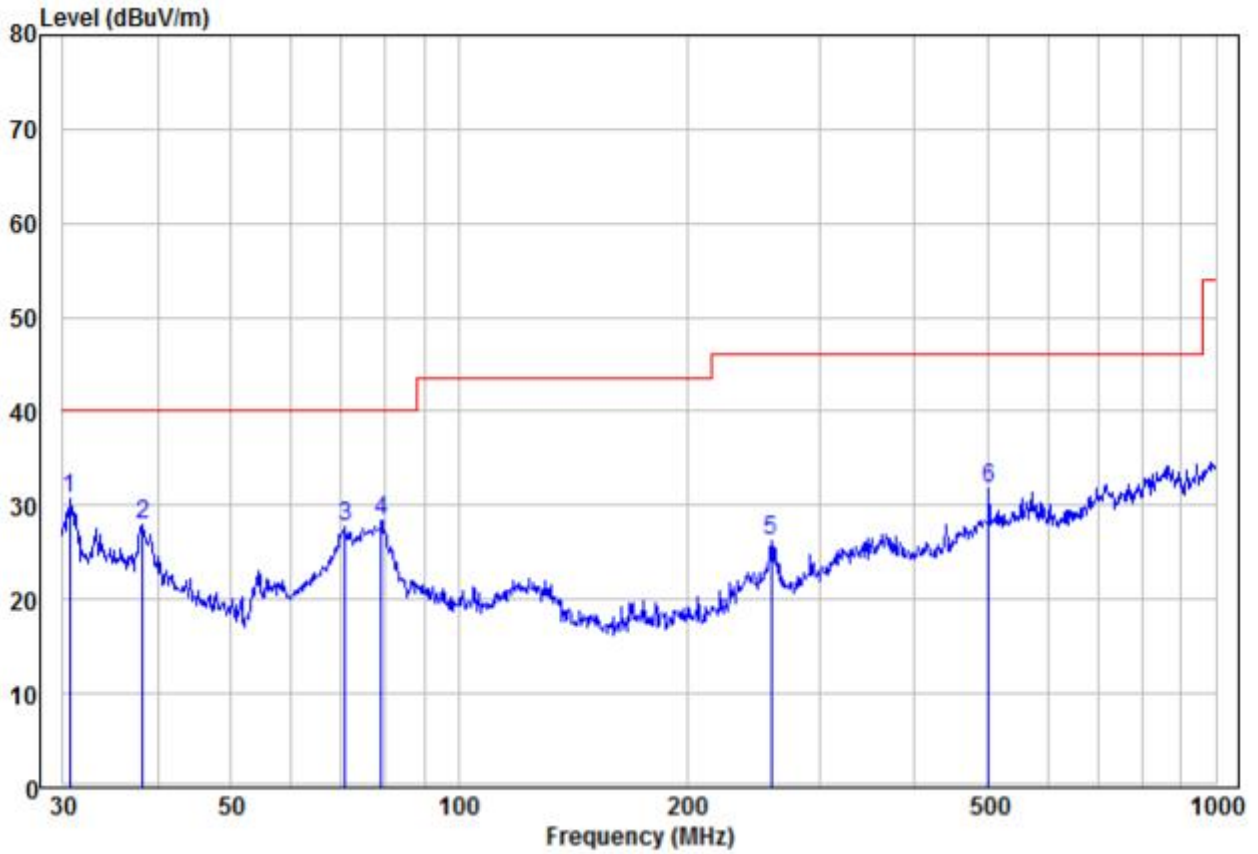


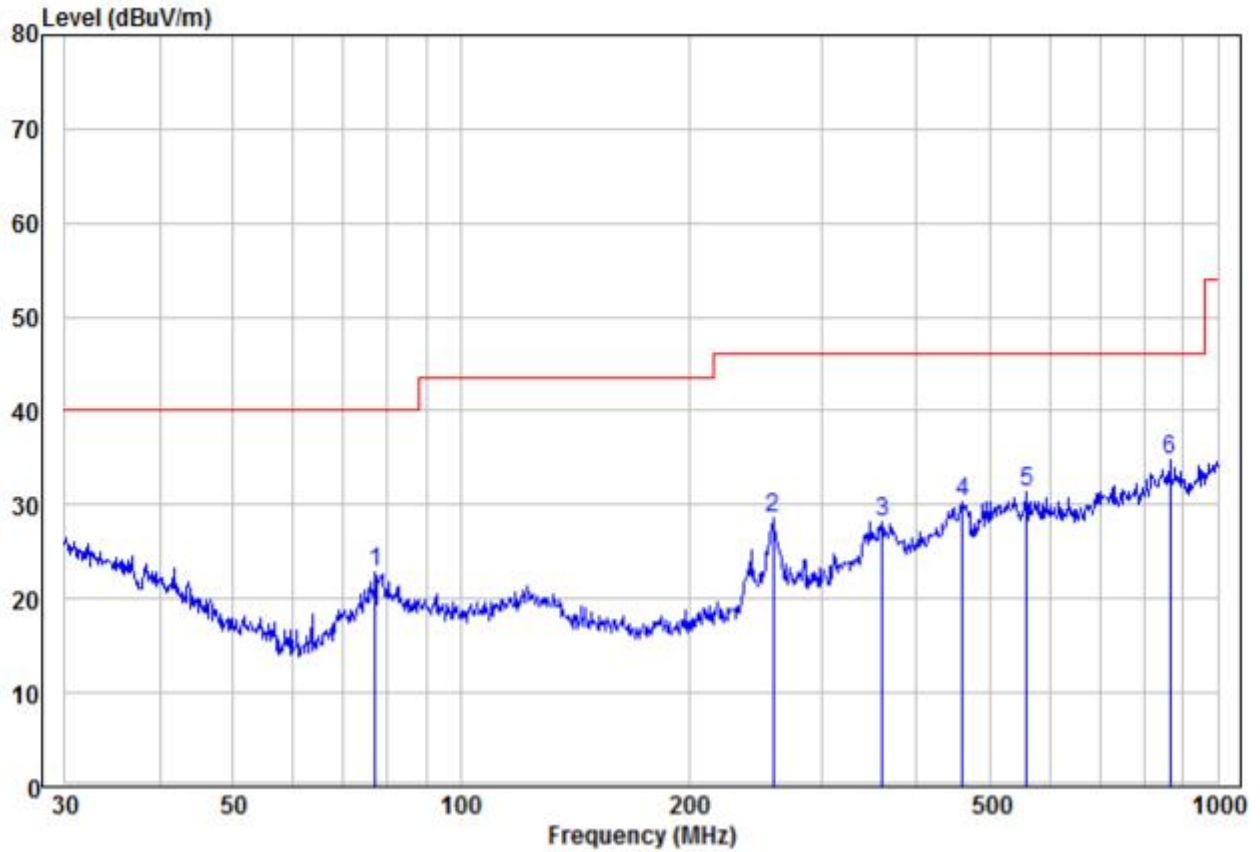
ANT2:

30MHz~1GHz		
Test mode:	Transmitting (802.11a 149CH)	Vertical



	Read		Limit	Over			
Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1 pp	30.64	15.07	15.74	30.81	40.00	-9.19 Peak	VERTICAL
2	38.21	14.57	13.44	28.01	40.00	-11.99 Peak	VERTICAL
3	70.83	19.37	8.29	27.66	40.00	-12.34 Peak	VERTICAL
4	78.97	18.79	9.61	28.40	40.00	-11.60 Peak	VERTICAL
5	258.33	13.90	12.36	26.26	46.00	-19.74 Peak	VERTICAL
6	501.18	13.52	18.29	31.81	46.00	-14.19 Peak	VERTICAL

Test mode:	Transmitting (802.11a 149CH)	Horizontal
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	Read Freq	Read Level	Factor	Limit Level	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	77.05	13.61	9.31	22.92	40.00	-17.08 Peak	HORIZONTAL
2	258.33	16.31	12.36	28.67	46.00	-17.33 Peak	HORIZONTAL
3	360.45	12.88	15.20	28.08	46.00	-17.92 Peak	HORIZONTAL
4	460.73	13.34	17.06	30.40	46.00	-15.60 Peak	HORIZONTAL
5	558.73	12.52	18.89	31.41	46.00	-14.59 Peak	HORIZONTAL
6 pp	866.09	10.86	23.98	34.84	46.00	-11.16 Peak	HORIZONTAL

### Transmitter Emission above 1GHz

ANT1:

Test mode:		802.11a(6Mbps)		Test channel:		36 CH	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10360	53.00	2.26	55.26	74	-18.74	peak	H
10360	36.88	2.26	39.14	54	-14.86	AVG	H
15540	50.31	3.75	54.06	74	-19.94	peak	H
15540	38.17	3.75	41.92	54	-12.08	AVG	H
10360	55.99	2.26	58.25	74	-15.75	peak	V
10360	38.89	2.26	41.15	54	-12.85	AVG	V
15540	50.36	3.75	54.11	74	-19.89	peak	V
15540	35.92	3.75	39.67	54	-14.33	AVG	V

Test mode:		802.11a(6Mbps)		Test channel:		48 CH	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10480	51.38	2.31	53.69	74	-20.31	peak	H
10480	37.46	2.31	39.77	54	-14.23	AVG	H
15720	49.25	3.79	53.04	74	-20.96	peak	H
15720	36.55	3.79	40.34	54	-13.66	AVG	H
10480	53.54	2.31	55.85	74	-18.15	peak	V
10480	36.90	2.31	39.21	54	-14.79	AVG	V
15720	50.06	3.79	53.85	74	-20.15	peak	V
15720	35.74	3.79	39.53	54	-14.47	AVG	V

Test mode:		802.11a(6Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11490	51.73	2.54	54.27	74	-19.73	peak	H
11490	37.41	2.54	39.95	54	-14.05	AVG	H
17235	50.74	3.94	54.68	74	-19.32	peak	H
17235	36.89	3.94	40.83	54	-13.17	AVG	H
11490	53.98	2.54	56.52	74	-17.48	peak	V
11490	38.32	2.54	40.86	54	-13.14	AVG	V
17235	49.43	3.94	53.37	74	-20.63	peak	V
17235	37.90	3.94	41.84	54	-12.16	AVG	V

Test mode:		802.11a(6Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11650	51.36	2.58	53.94	74	-20.06	peak	H
11650	38.29	2.58	40.87	54	-13.13	AVG	H
17475	49.48	4.02	53.50	74	-20.50	peak	H
17475	37.37	4.02	41.39	54	-12.61	AVG	H
11650	54.82	2.58	57.40	74	-16.60	peak	V
11650	37.69	2.58	40.27	54	-13.73	AVG	V
17475	50.99	4.02	55.01	74	-18.99	peak	V
17475	36.57	4.02	40.59	54	-13.41	AVG	V

Remark:

- 1) The 802.11a 6Mbps of rate is the worst case, only the worst data recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 40GHz, The disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

ANT2:

Test mode:		802.11a(6Mbps)		Test channel:		36 CH	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB $\mu$ V)	(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)		H/V
10360	54.23	2.26	56.49	74	-17.51	peak	H
10360	37.69	2.26	39.95	54	-14.05	AVG	H
15540	51.87	3.75	55.62	74	-18.38	peak	H
15540	38.56	3.75	42.31	54	-11.69	AVG	H
10360	54.58	2.26	56.84	74	-17.16	peak	V
10360	39.17	2.26	41.43	54	-12.57	AVG	V
15540	51.14	3.75	54.89	74	-19.11	peak	V
15540	36.86	3.75	40.61	54	-13.39	AVG	V

Test mode:		802.11a(6Mbps)		Test channel:		48 CH	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dB $\mu$ V)	(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)		H/V
10480	51.89	2.31	54.20	74	-19.80	peak	H
10480	36.05	2.31	38.36	54	-15.64	AVG	H
15720	50.00	3.79	53.79	74	-20.21	peak	H
15720	35.23	3.79	39.02	54	-14.98	AVG	H
10480	52.69	2.31	55.00	74	-19.00	peak	V
10480	36.04	2.31	38.35	54	-15.65	AVG	V
15720	49.16	3.79	52.95	74	-21.05	peak	V
15720	36.51	3.79	40.30	54	-13.70	AVG	V

Test mode:		802.11a(6Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11490	52.35	2.54	54.89	74	-19.11	peak	H
11490	37.08	2.54	39.62	54	-14.38	AVG	H
17235	49.66	3.94	53.60	74	-20.40	peak	H
17235	37.52	3.94	41.46	54	-12.54	AVG	H
11490	54.16	2.54	56.70	74	-17.30	peak	V
11490	38.23	2.54	40.77	54	-13.23	AVG	V
17235	50.37	3.94	54.31	74	-19.69	peak	V
17235	36.48	3.94	40.42	54	-13.58	AVG	V

Test mode:		802.11a(6Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11650	52.42	2.58	55.00	74	-19.00	peak	H
11650	37.24	2.58	39.82	54	-14.18	AVG	H
17475	50.04	4.02	54.06	74	-19.94	peak	H
17475	37.51	4.02	41.53	54	-12.47	AVG	H
11650	53.54	2.58	56.12	74	-17.88	peak	V
11650	37.01	2.58	39.59	54	-14.41	AVG	V
17475	50.81	4.02	54.83	74	-19.17	peak	V
17475	37.44	4.02	41.46	54	-12.54	AVG	V

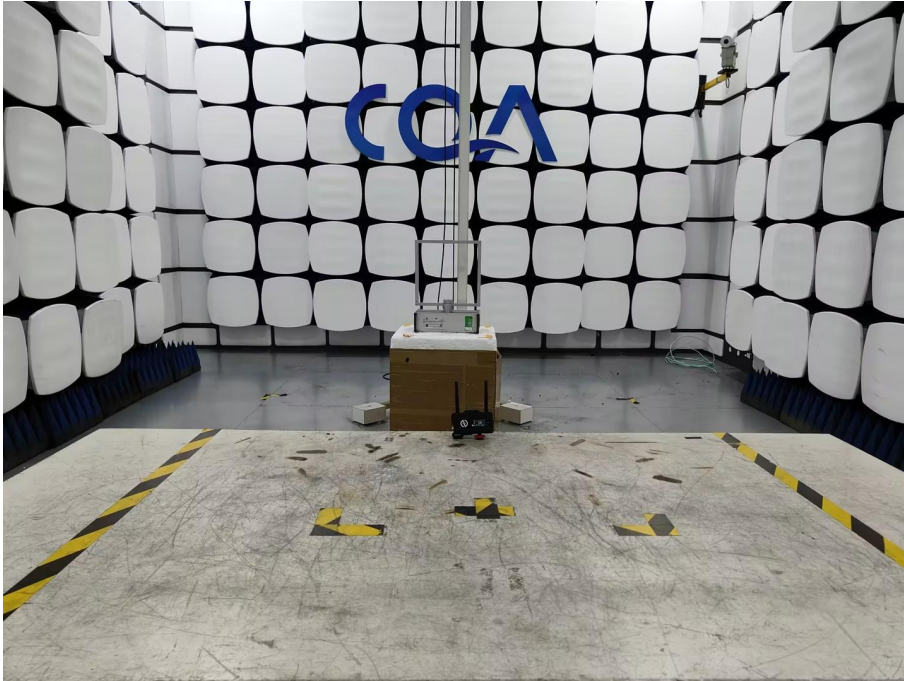
Remark:

- 1) The 802.11a 6Mbps of rate is the worst case, only the worst data recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 40GHz, The disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

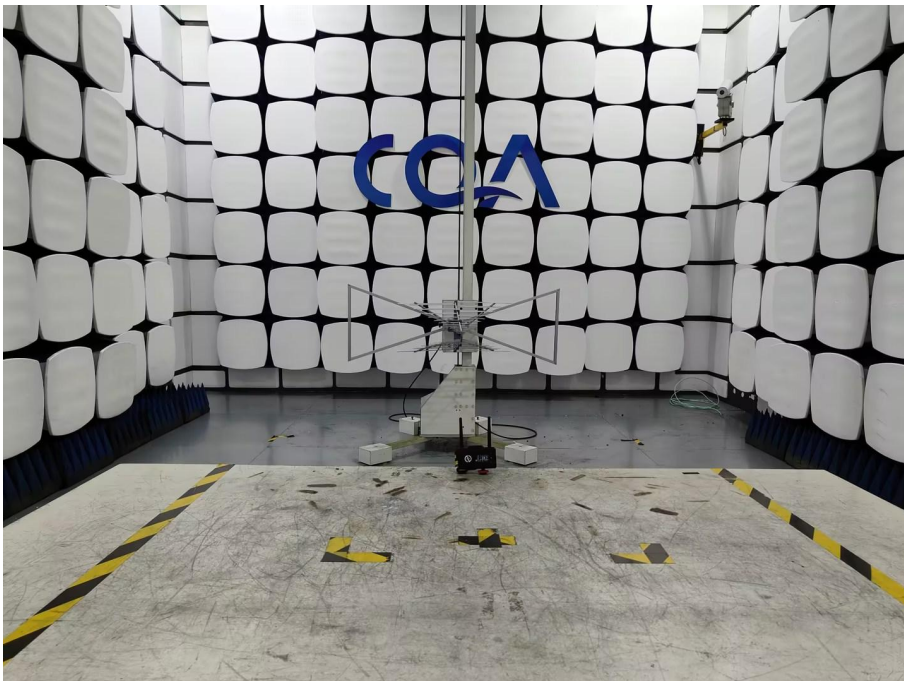
## 8 Photographs - EUT Test Setup

### 8.1 Radiated Spurious Emission

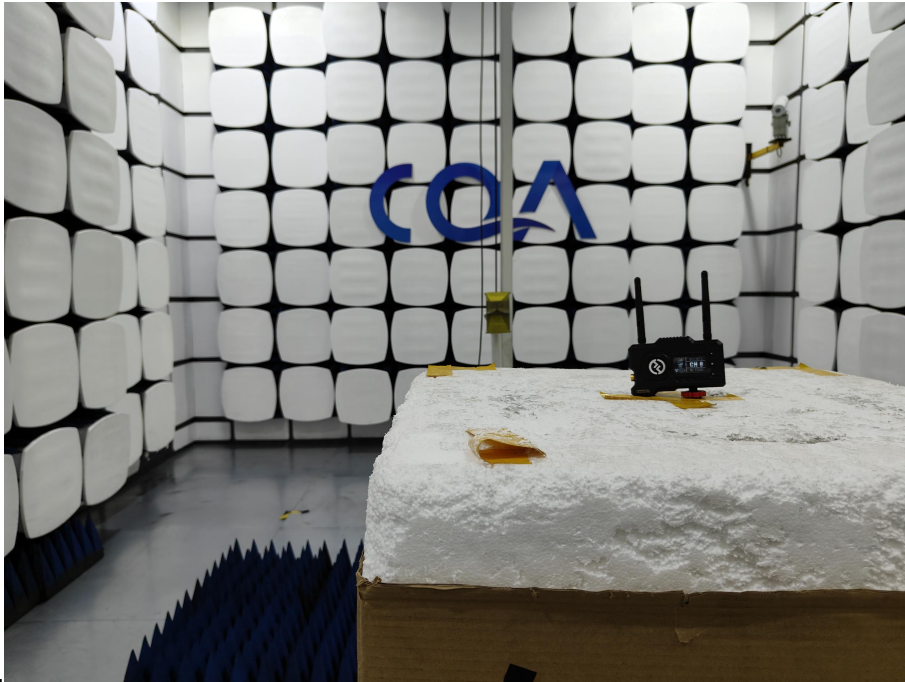
9kHz~30MHz:



30MHz~1GHz:



Above 1GHz:



## 8.2 Conducted Emission

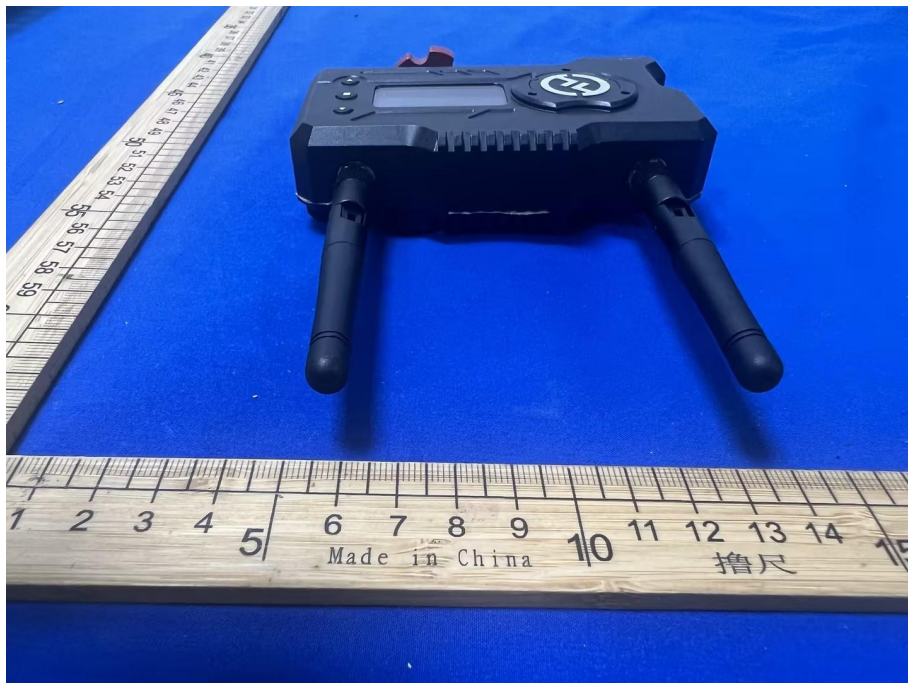




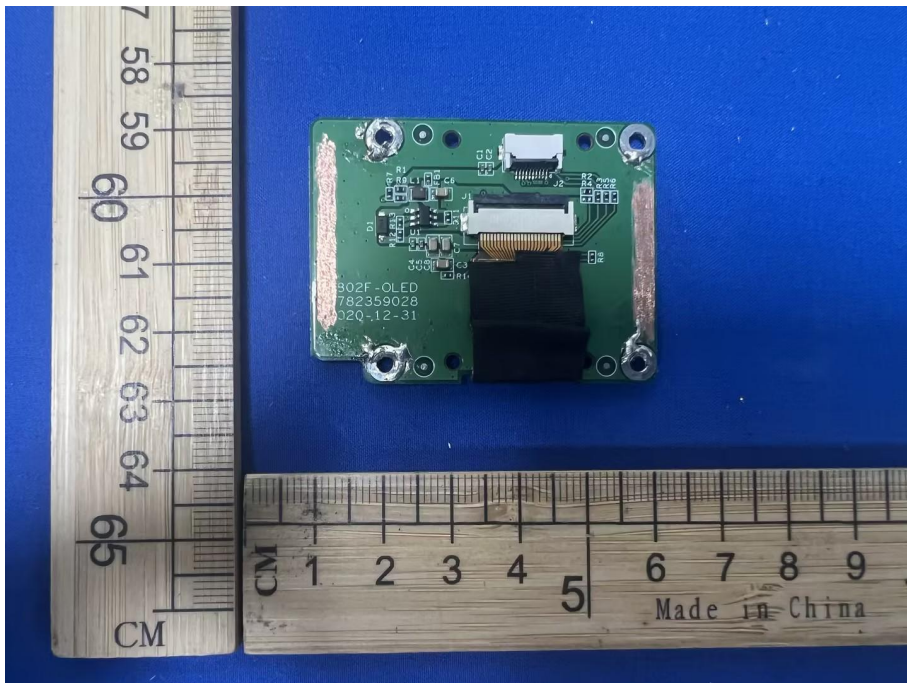
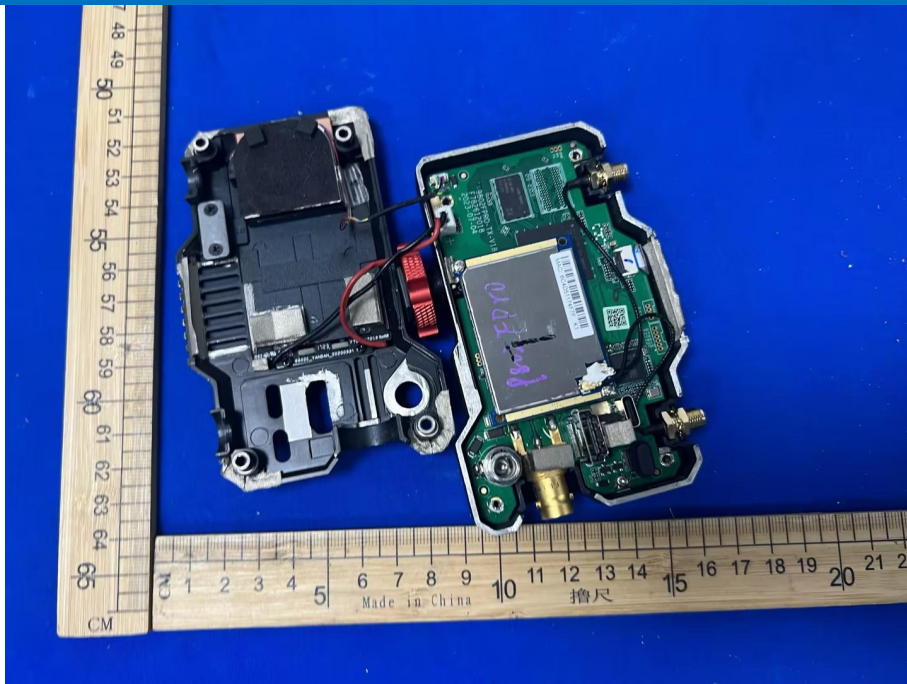
## 9 Photographs - EUT Constructional Details

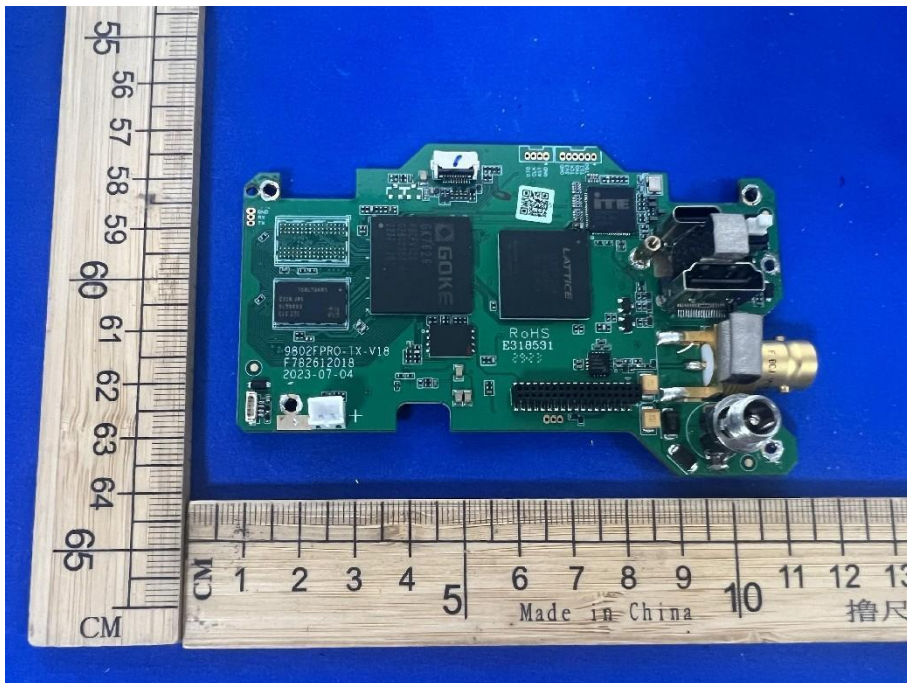
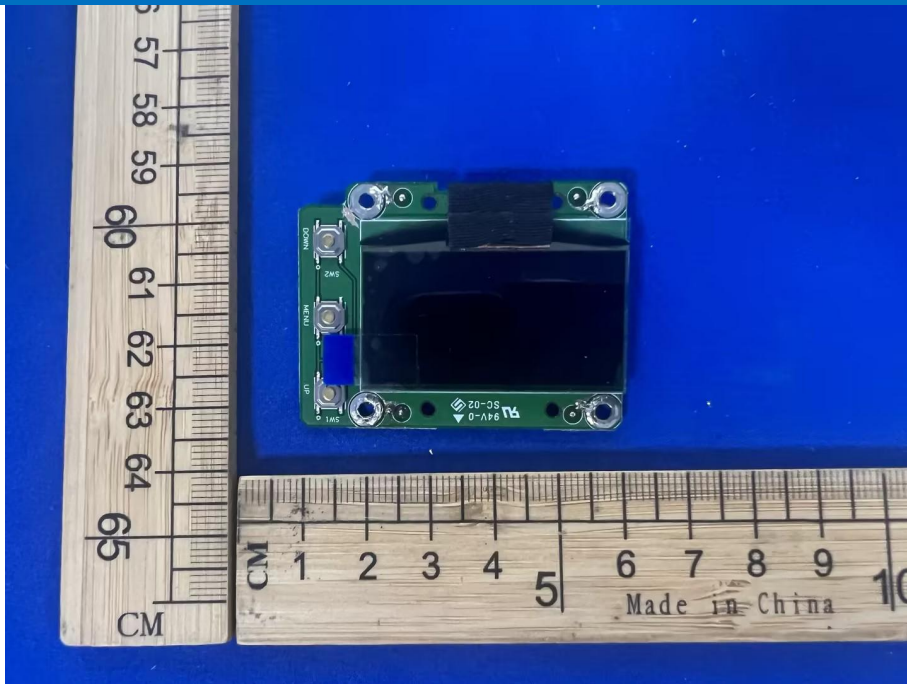


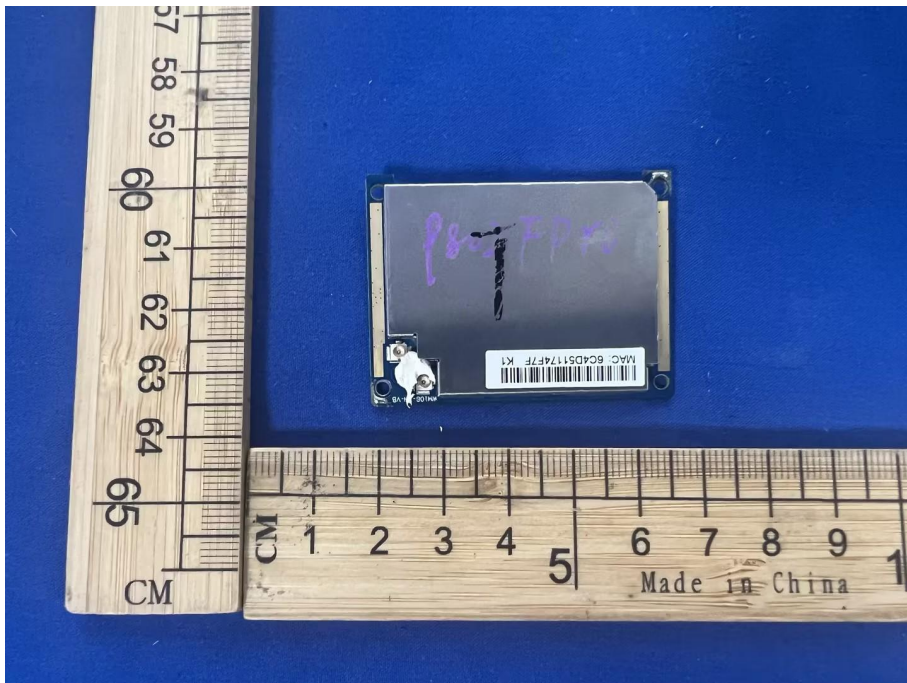
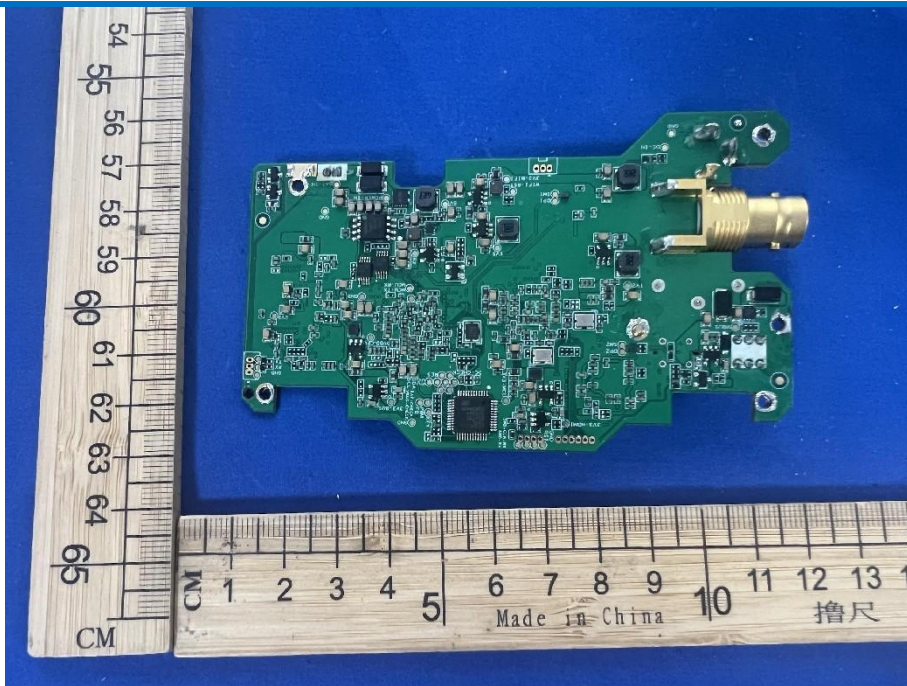


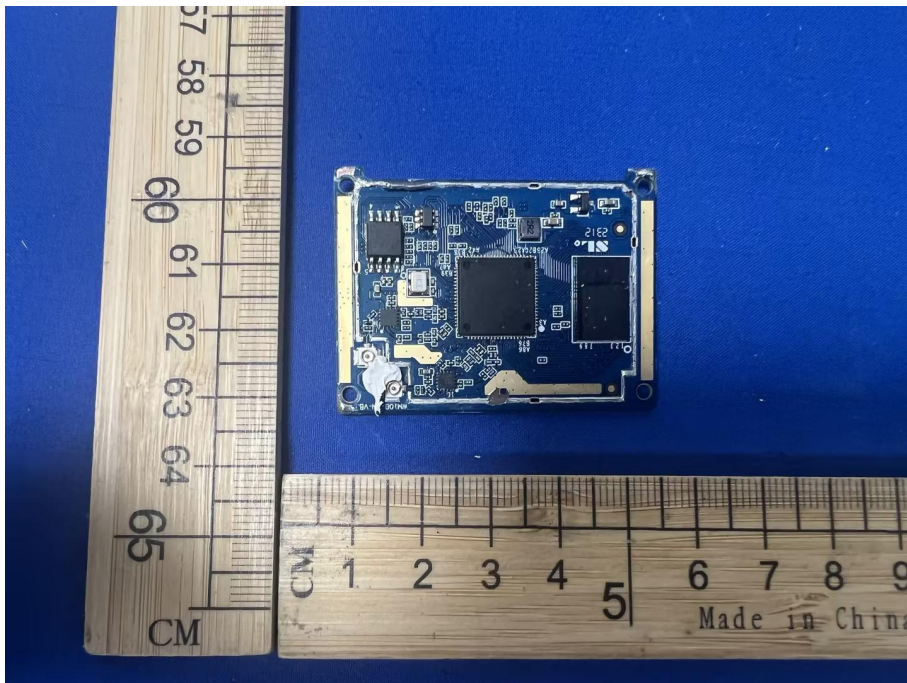
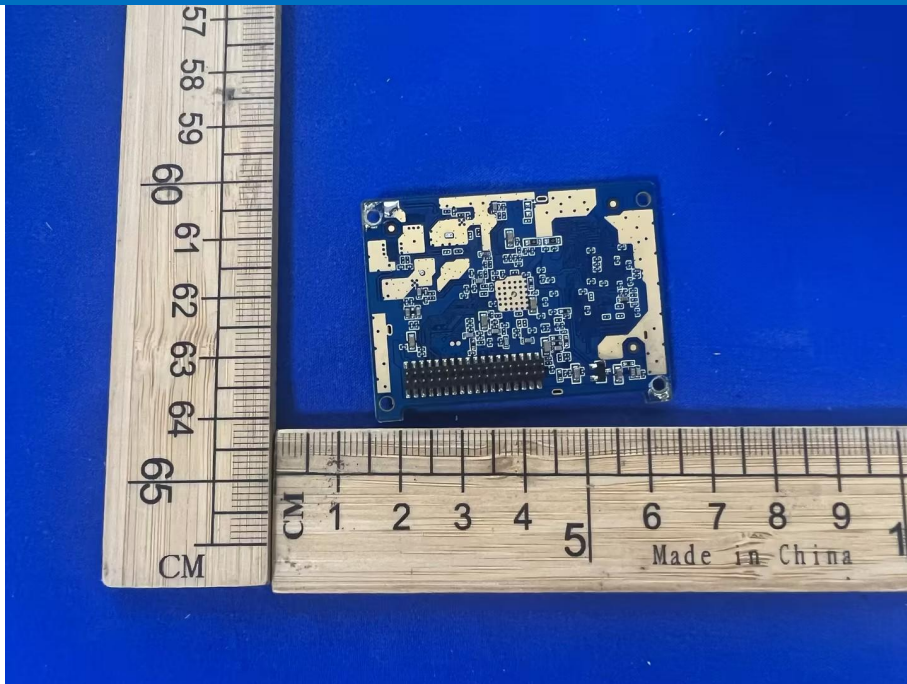
















\*\*\* END OF REPORT \*\*\*