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Figure 39: Time of Occupancy, 2441MHz, GFSK DH5

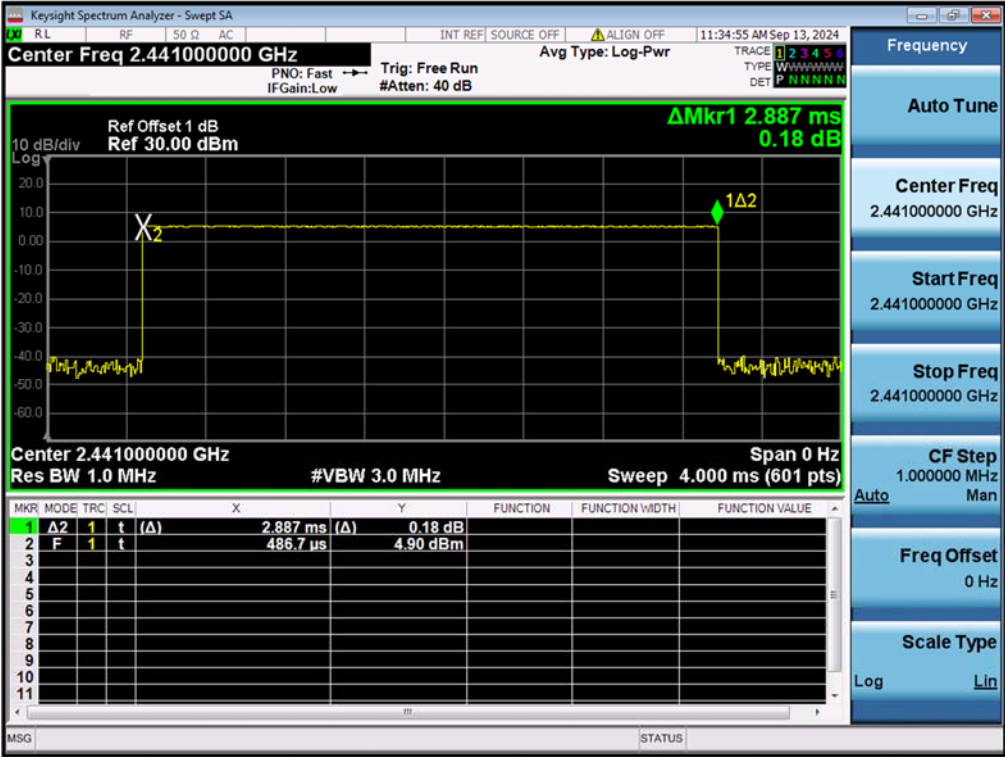
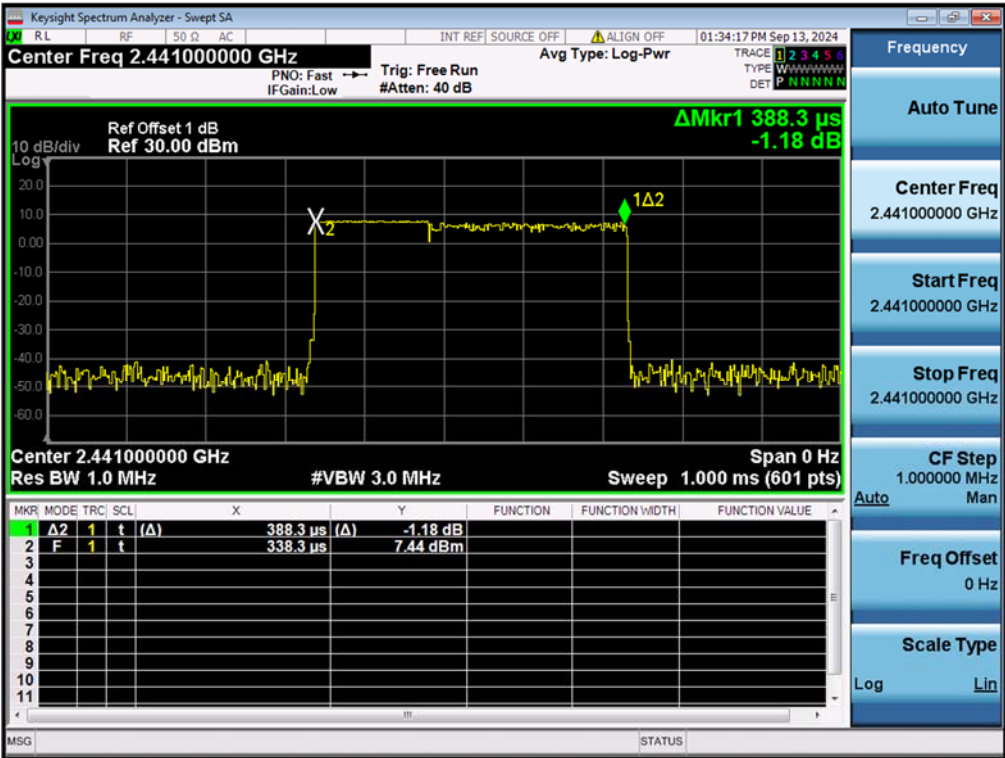


Figure 40: Time of Occupancy, 2441MHz, π /4-DQPSK DH1



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Figure 41: Time of Occupancy, 2441MHz, π /4-DQPSK DH3

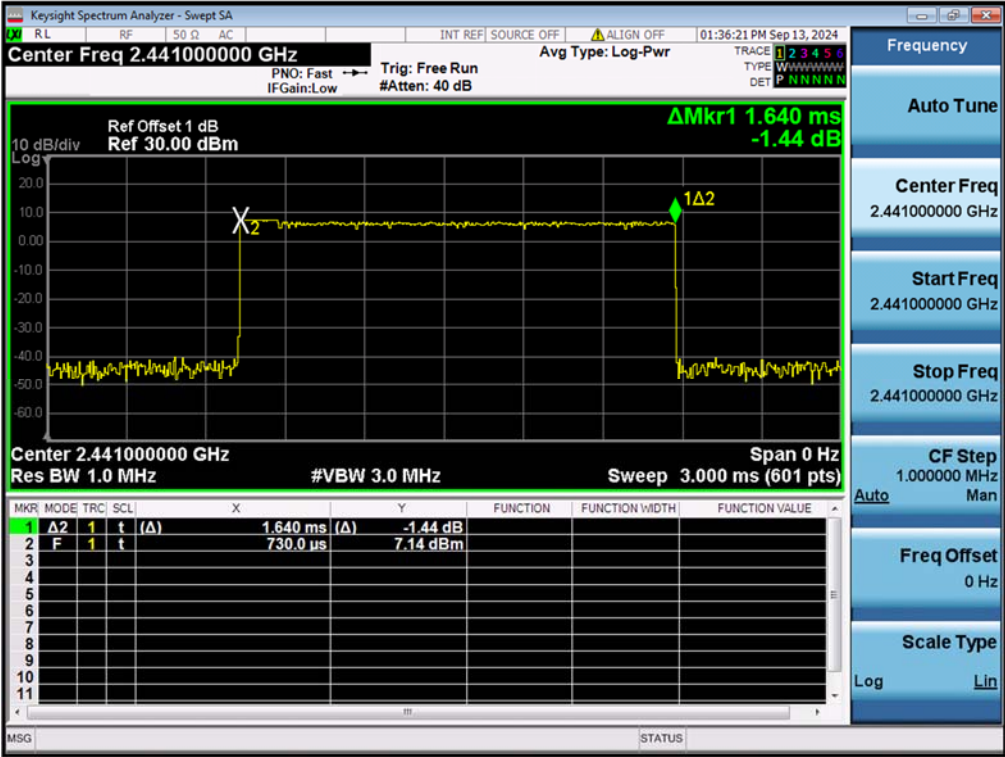
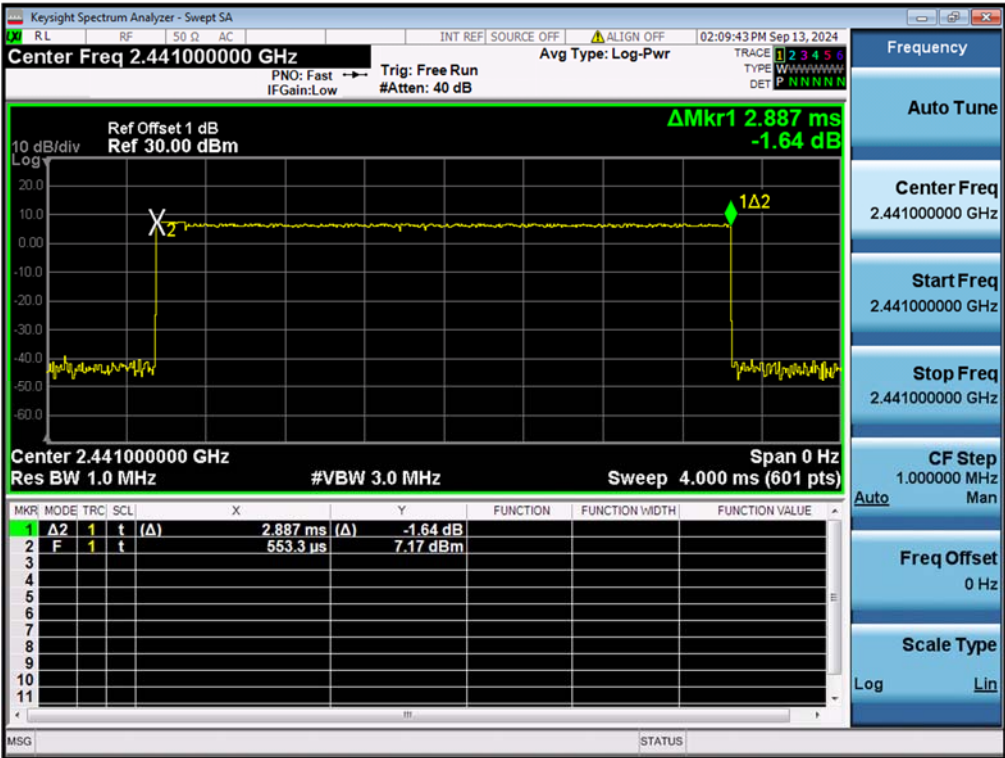


Figure 42: Time of Occupancy, 2441MHz, π /4-DQPSK DH5



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Figure 43: Time of Occupancy, 2441MHz, 8-DPSK DH1

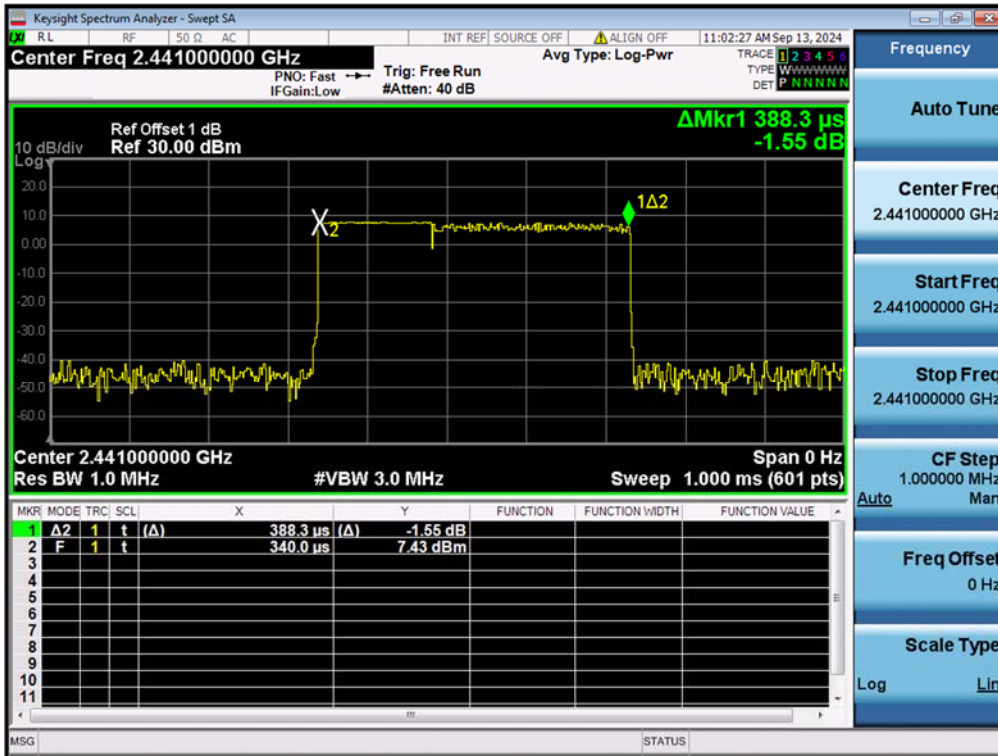
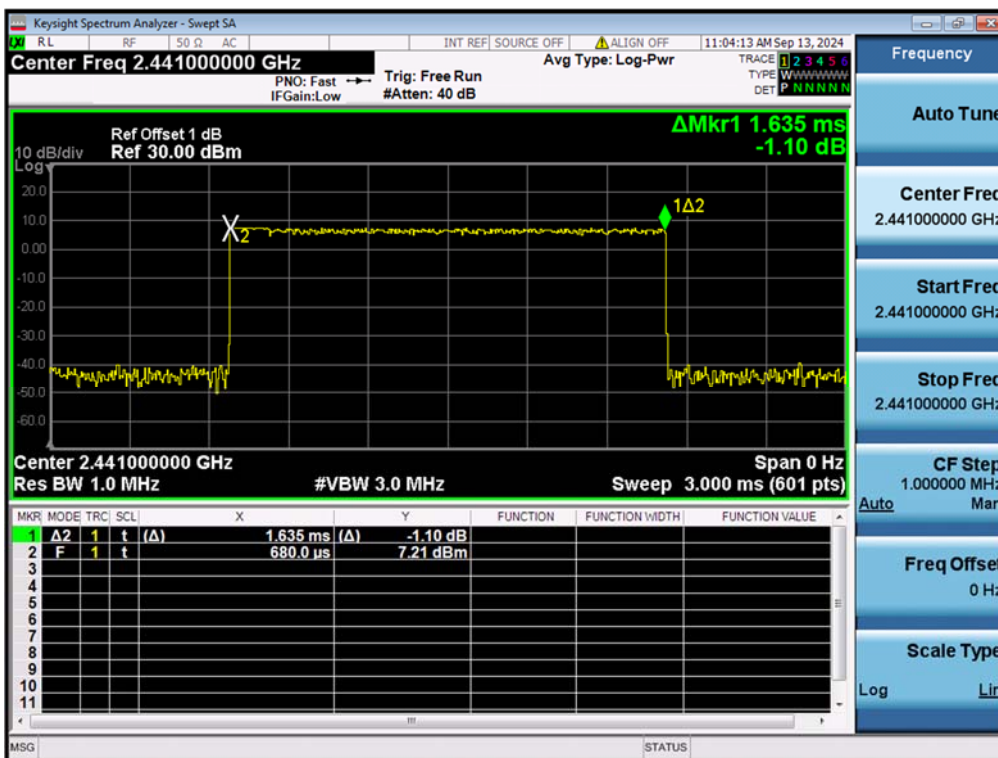


Figure 44: Time of Occupancy, 2441MHz, 8-DPSK DH3



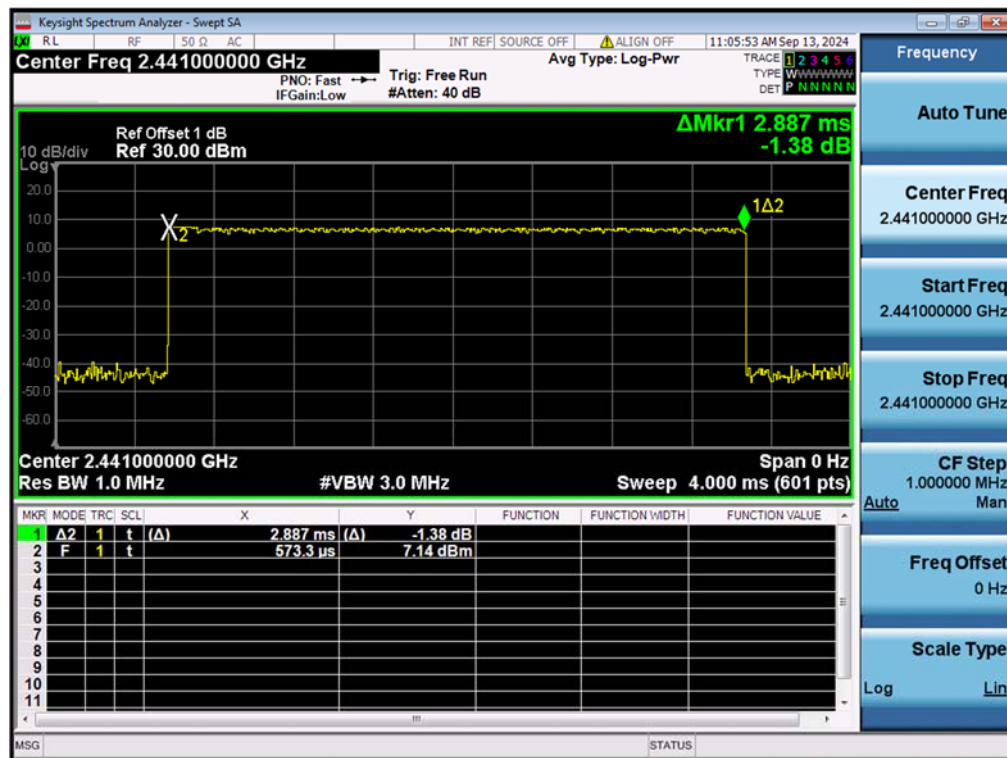
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Figure 45: Time of Occupancy, 2441MHz, 8-DPSK DH5



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4.2 Mains Emissions

4.2.1 Conducted Emission on AC Mains

RESULT:

PASS

Test standard	: FCC Part 15.207(a)
Requirement	: ANSI C63.10-2013, Clause 6.2
Kind of test site	: Shielded room

Test setup

Input Voltage	: which received AC 120V, 60Hz Power
Operation Mode	: A.1.a
Earthing	: Connected to GND
Ambient temperature	: 26°C
Relative humidity	: 49%

For details refer to following test plot.

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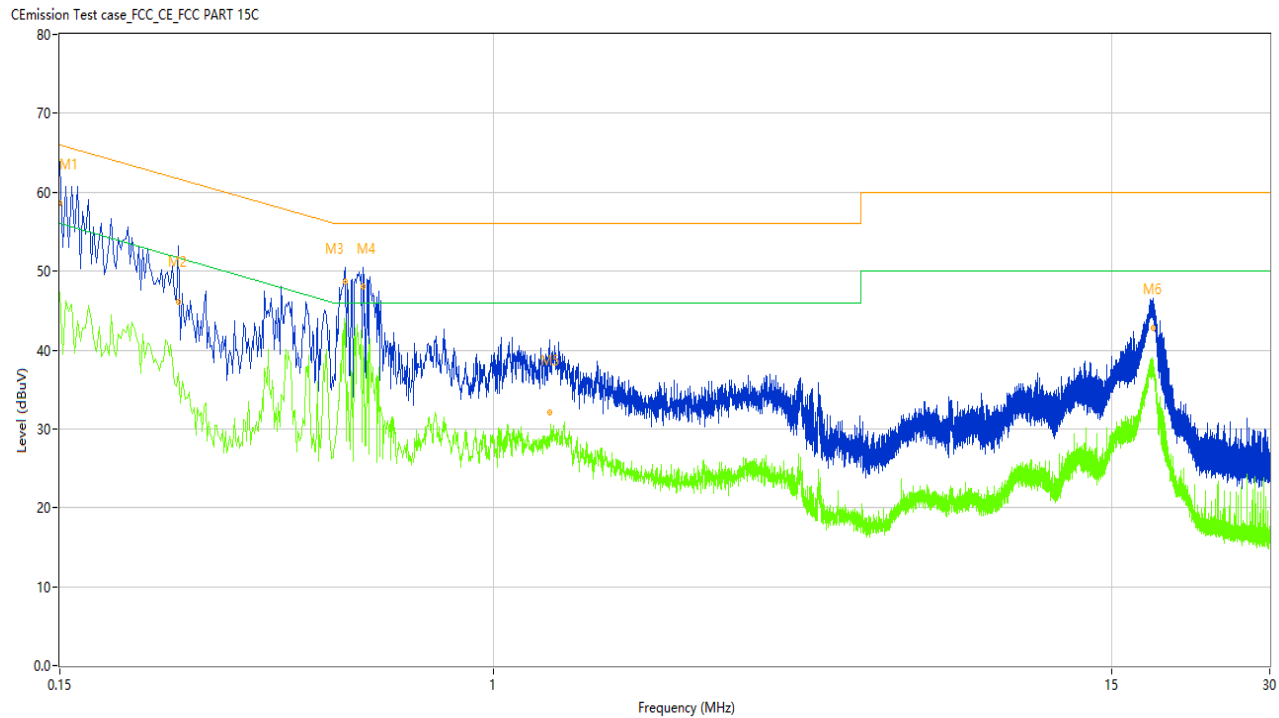
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Note: The all configurations were tested respectively, Only the worst mode data of 8DPSK-hopping-DH5 was recorded in the test report.

Figure 46: Conducted Emission on AC Mains, L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.150	65.50	9.85	66.00	0.50	Peak	L	Pass
1*	0.150	58.64	9.85	66.00	7.36	QP	L	Pass
1**	0.150	47.35	9.85	56.00	8.65	AV	L	Pass
2	0.252	53.96	9.96	61.69	7.73	Peak	L	Pass
2*	0.252	46.11	9.96	61.69	15.58	QP	L	Pass
2**	0.252	37.12	9.96	51.69	14.57	AV	L	Pass
3	0.524	50.53	9.87	56.00	5.47	Peak	L	Pass
3*	0.524	48.71	9.87	56.00	7.29	QP	L	Pass
3**	0.524	43.13	9.87	46.00	2.87	AV	L	Pass
4	0.566	50.63	9.88	56.00	5.37	Peak	L	Pass
4*	0.566	48.09	9.88	56.00	7.91	QP	L	Pass
4**	0.566	40.51	9.88	46.00	5.49	AV	L	Pass
5	1.280	38.74	9.76	56.00	17.26	Peak	L	Pass
5*	1.280	32.05	9.76	56.00	23.95	QP	L	Pass
5**	1.280	29.16	9.76	46.00	16.84	AV	L	Pass
6	17.980	46.97	9.39	60.00	13.03	Peak	L	Pass
6*	17.980	42.73	9.39	60.00	17.27	QP	L	Pass
6**	17.980	37.88	9.39	50.00	12.12	AV	L	Pass

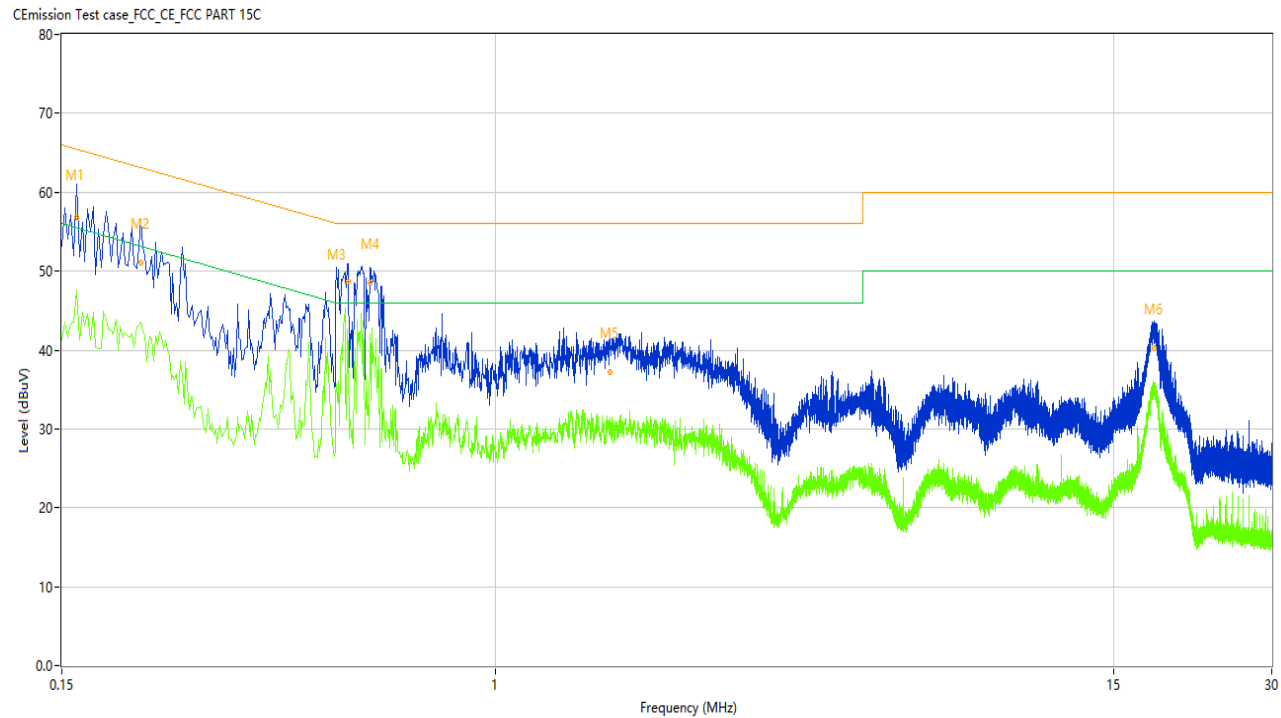
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Figure 47: Conducted Emission on AC Mains, N Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.160	62.29	9.98	65.46	3.17	Peak	N	Pass
1*	0.160	56.81	9.98	65.46	8.65	QP	N	Pass
1**	0.160	47.57	9.98	55.46	7.89	AV	N	Pass
2	0.212	57.92	9.98	63.13	5.21	Peak	N	Pass
2*	0.212	51.12	9.98	63.13	12.01	QP	N	Pass
2**	0.212	43.53	9.98	53.13	9.60	AV	N	Pass
3	0.526	52.63	10.03	56.00	3.37	Peak	N	Pass
3*	0.526	48.60	10.03	56.00	7.40	QP	N	Pass
3**	0.526	39.84	10.03	46.00	6.16	AV	N	Pass
4	0.578	51.61	10.02	56.00	4.39	Peak	N	Pass
4*	0.578	48.52	10.02	56.00	7.48	QP	N	Pass
4**	0.578	42.04	10.02	46.00	3.96	AV	N	Pass
5	1.652	41.88	9.89	56.00	14.12	Peak	N	Pass
5*	1.652	37.24	9.89	56.00	18.76	QP	N	Pass
5**	1.652	29.96	9.89	46.00	16.04	AV	N	Pass
6	17.894	44.20	9.42	60.00	15.80	Peak	N	Pass
6*	17.894	40.26	9.42	60.00	19.74	QP	N	Pass
6**	17.894	35.77	9.42	50.00	14.23	AV	N	Pass

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5 Appendixes

5.1 Photographs of the Sample



All of the sample



Front of the sample

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Rear of the sample



Left of the sample

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Right of the sample



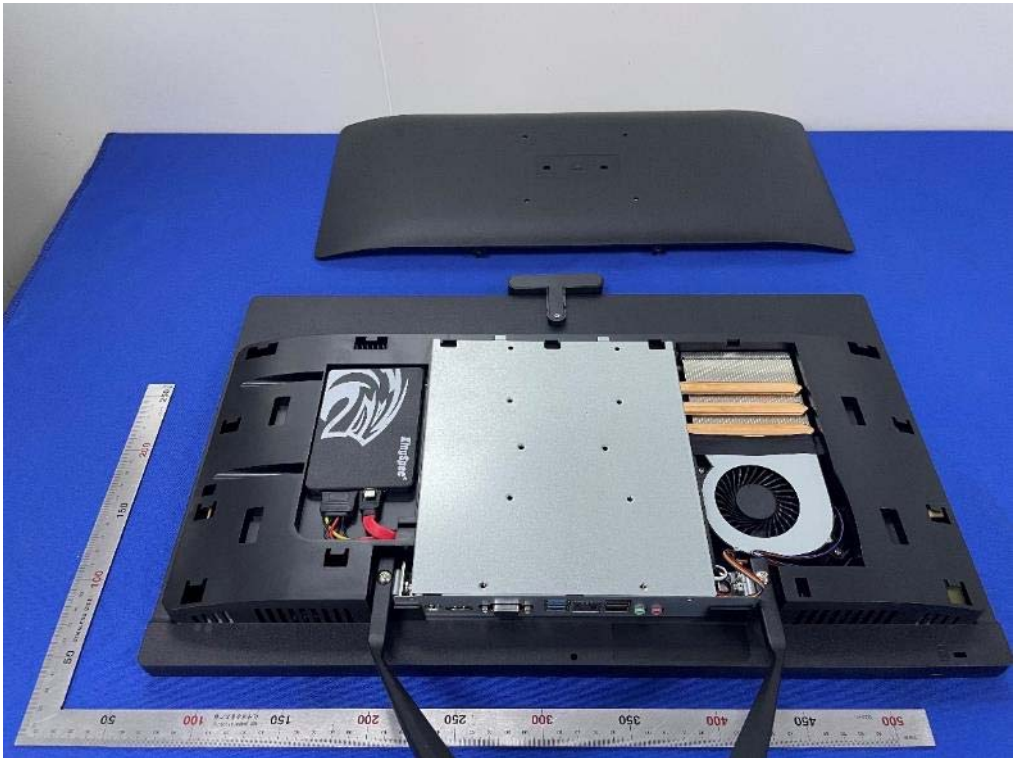
Top of the sample

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Bottom of the sample



Open-1 of the sample

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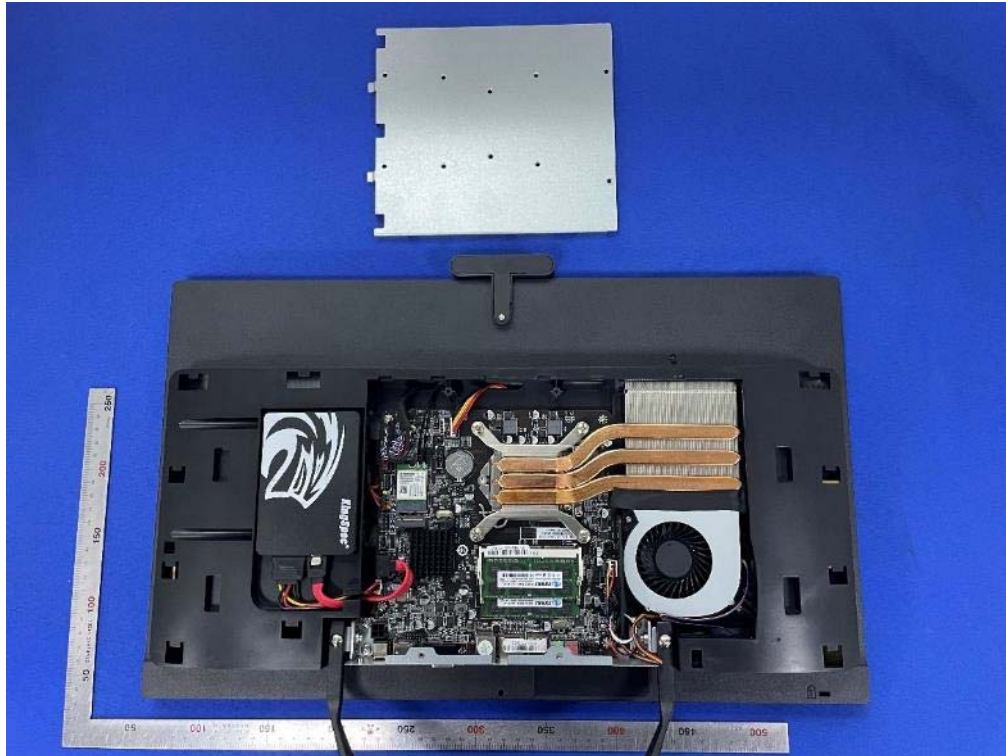
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Open-2 of the sample



Open-3 of the sample

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Internal-1 of the sample



Internal-2 of the sample

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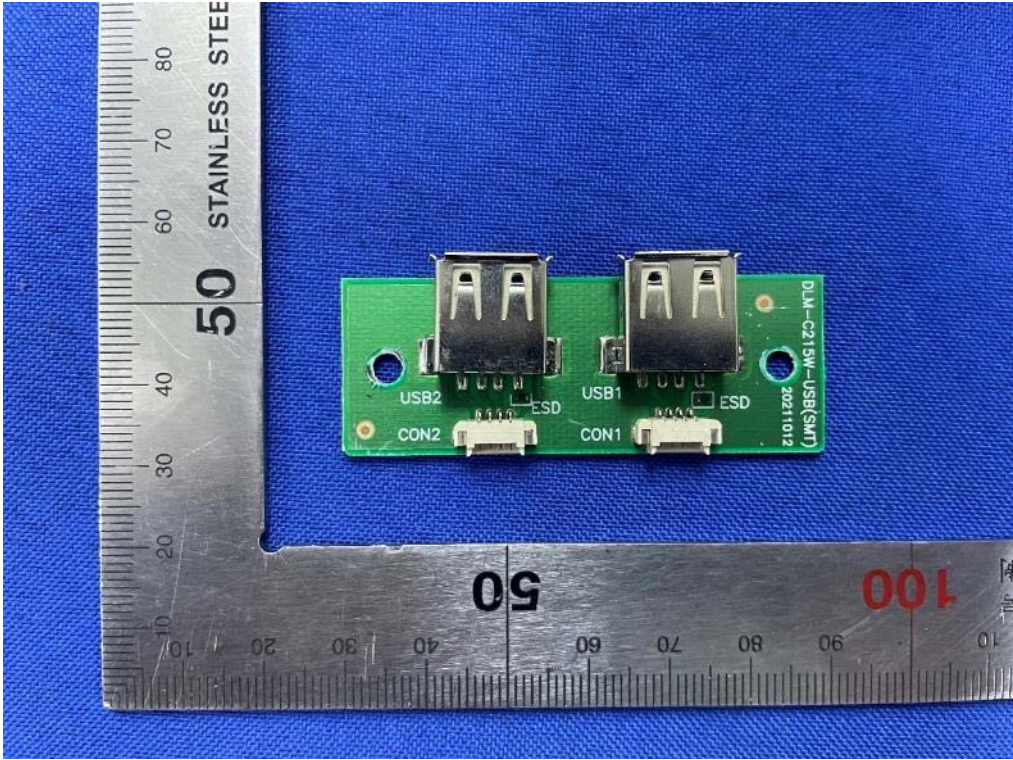
Internal-3 of the sample



Internal-4 of the sample

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Internal-5 of the sample



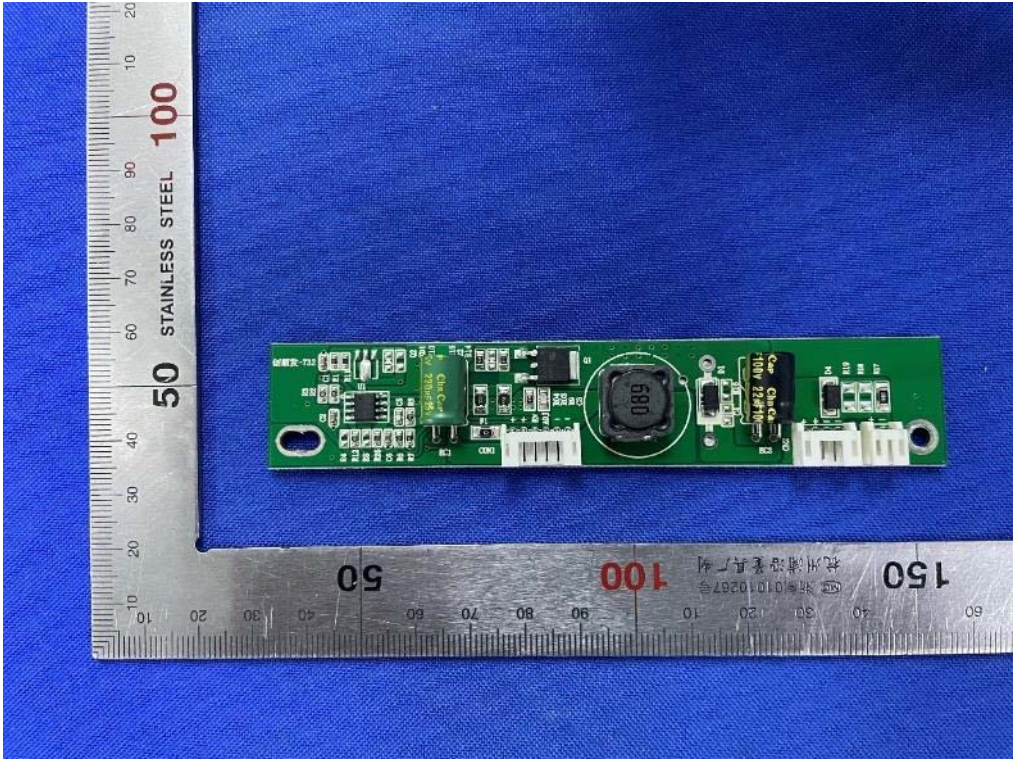
Internal-6 of the sample

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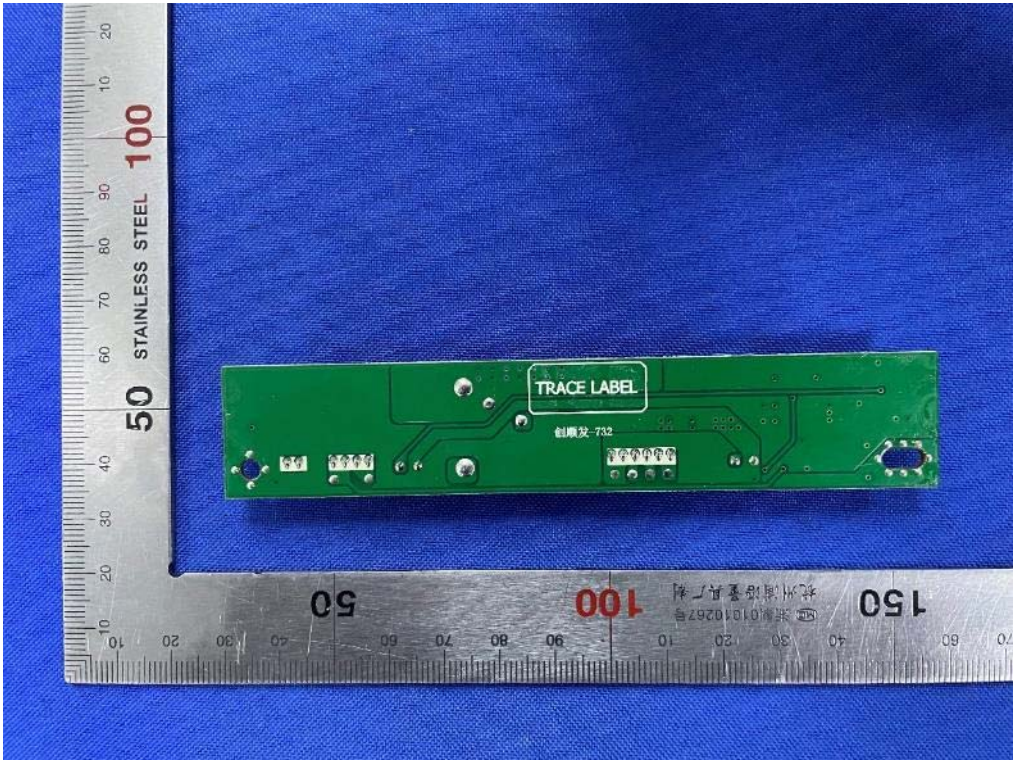
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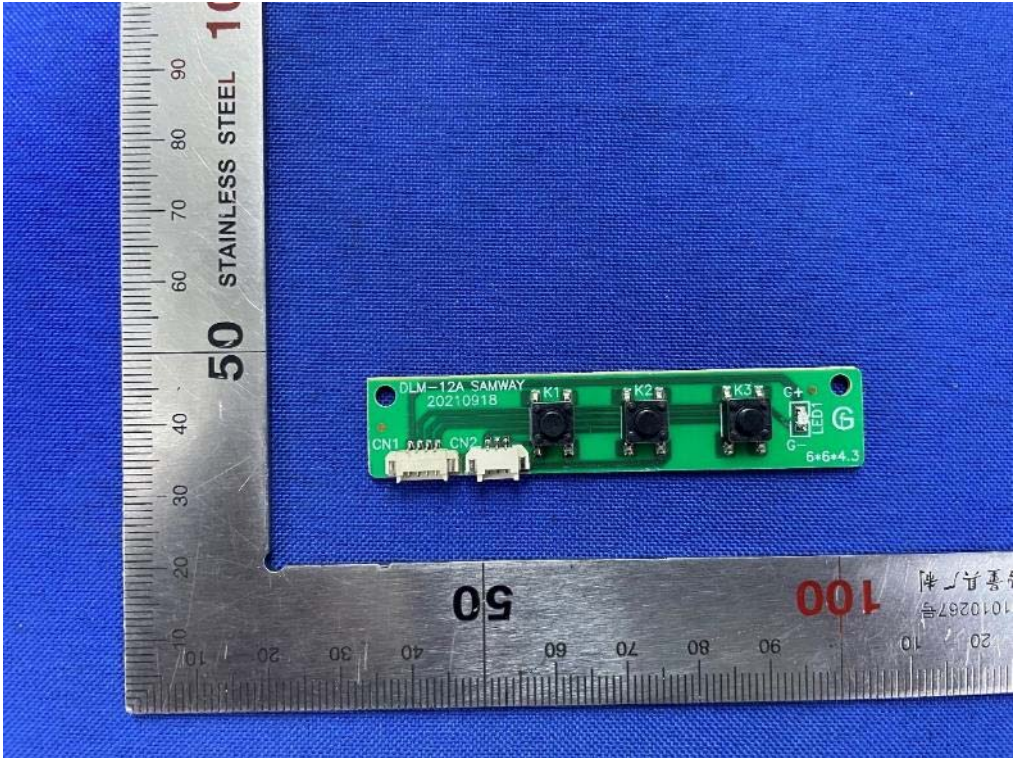


Internal-7 of the sample

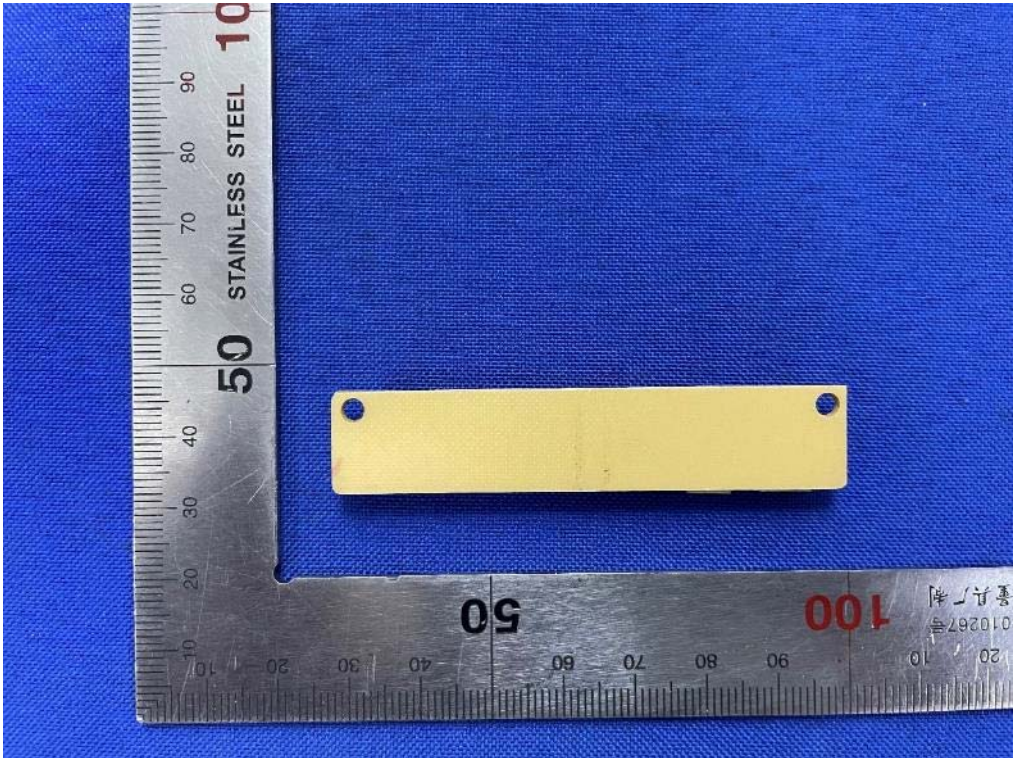


Internal-8 of the sample

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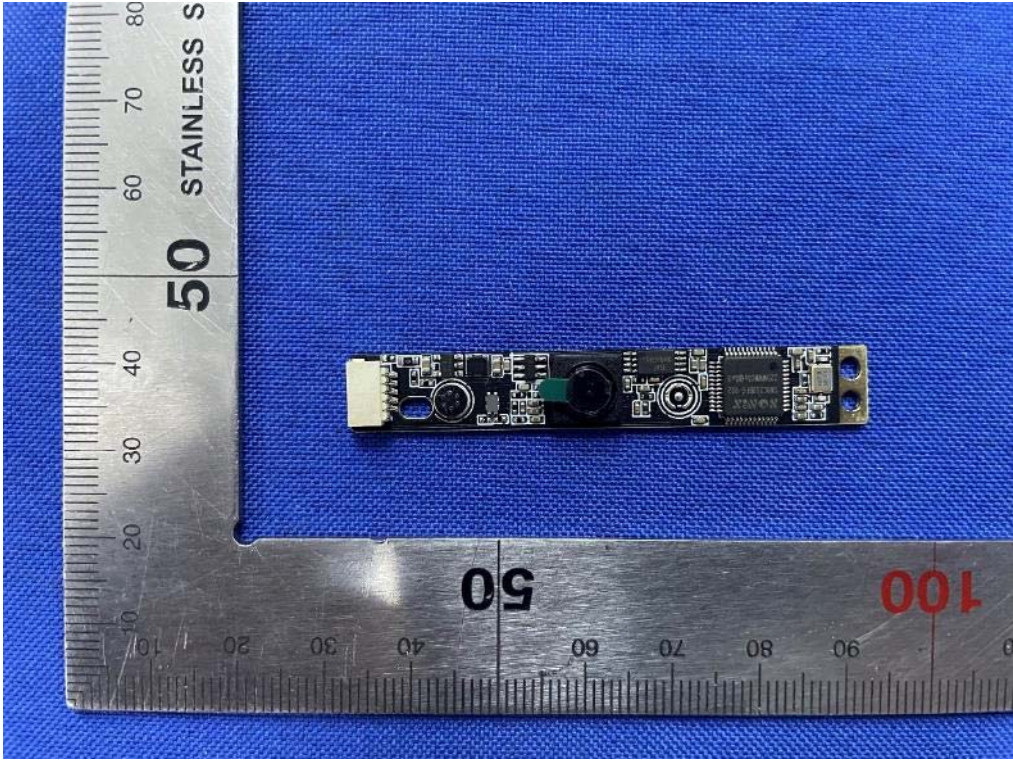
Internal-9 of the sample



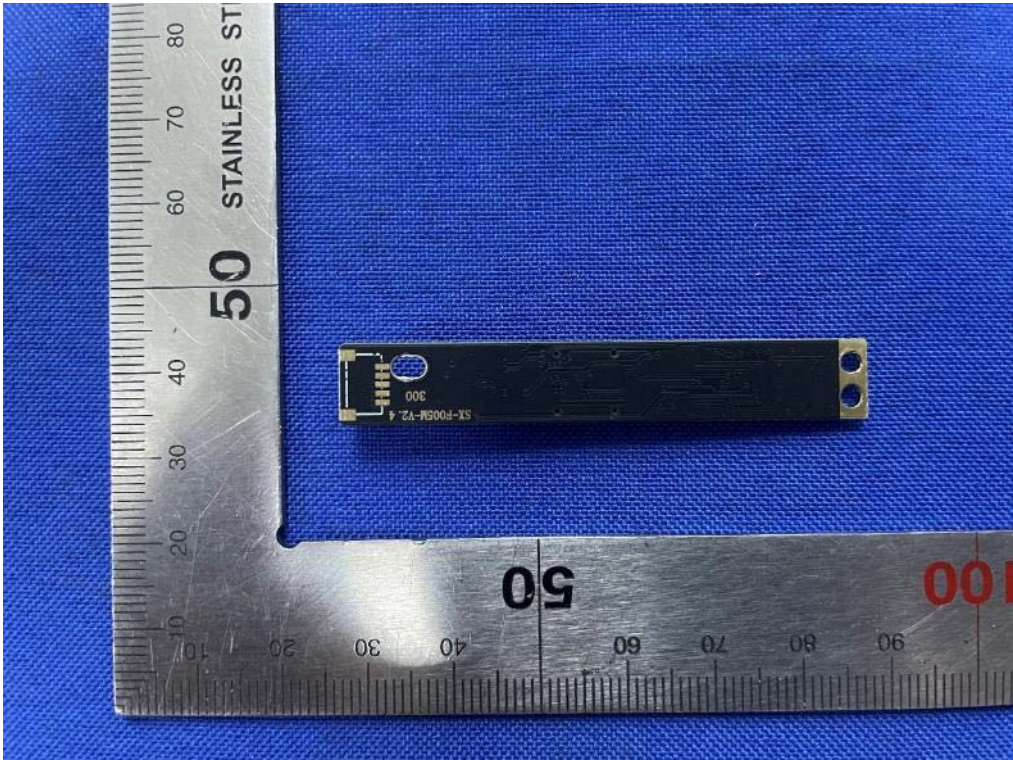
Internal-10 of the sample

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Internal-11 of the sample



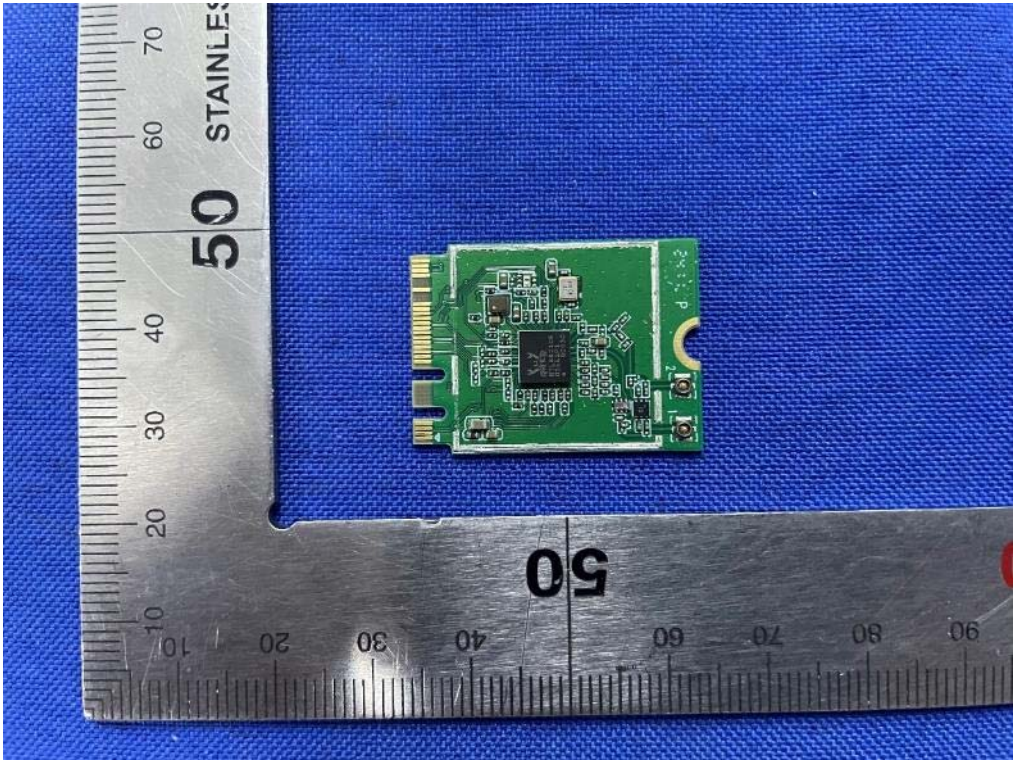
Internal-12 of the sample

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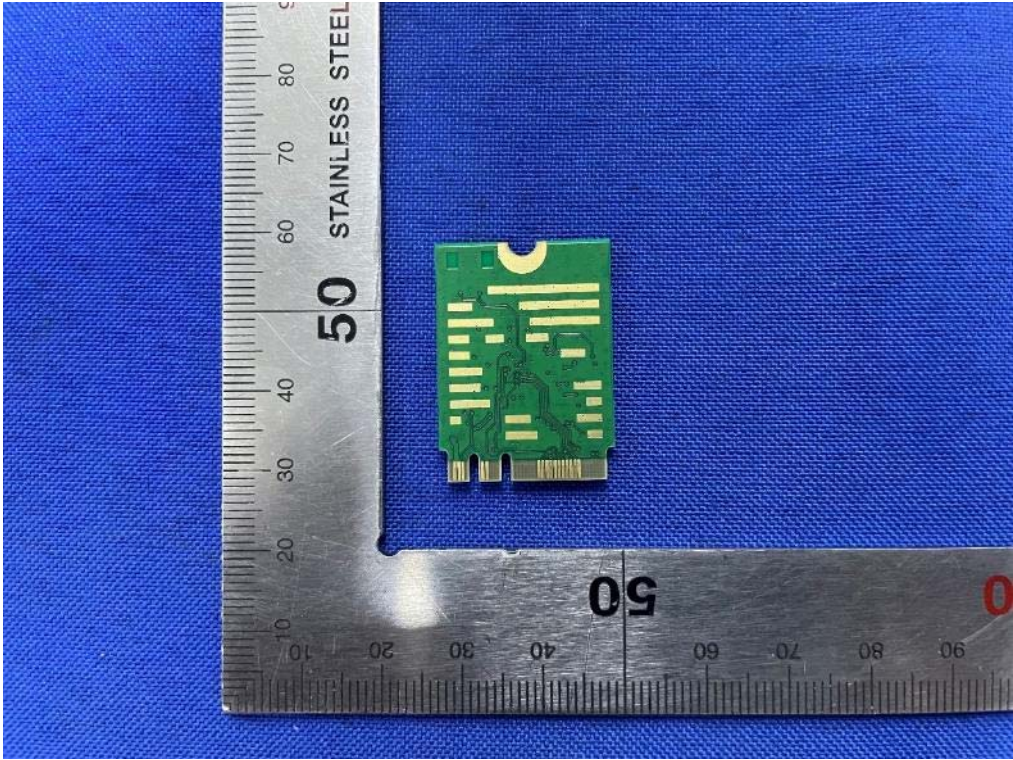


Internal-13 of the sample

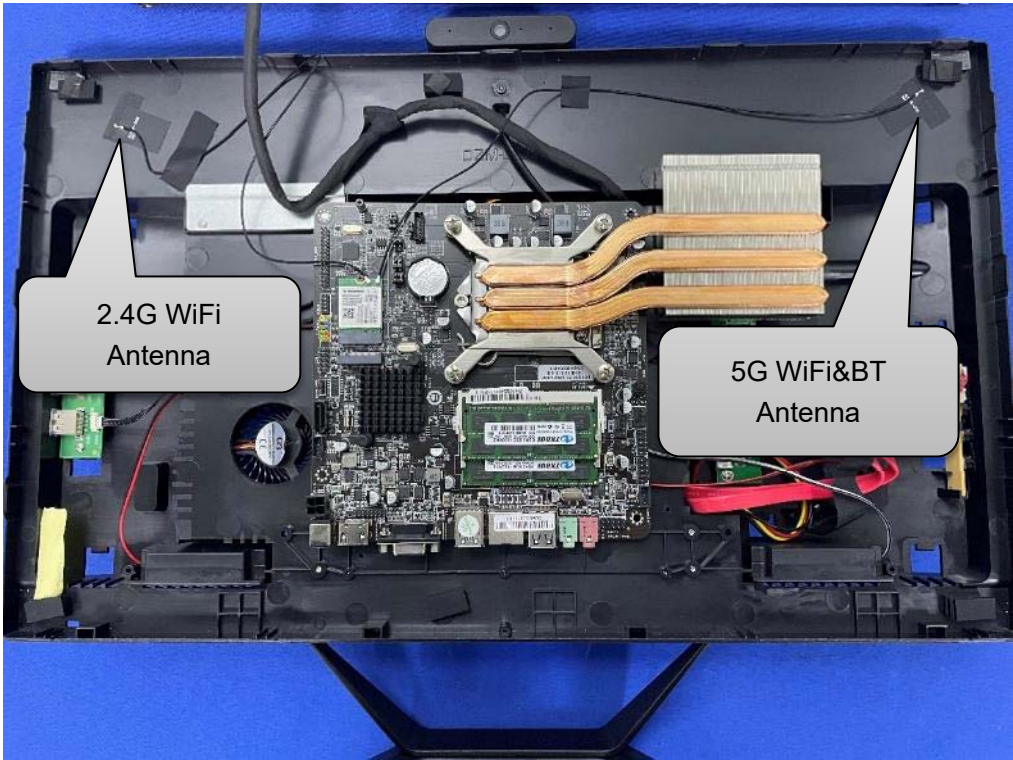


Internal-14 of the sample

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Internal-15 of the sample



Antenna Position

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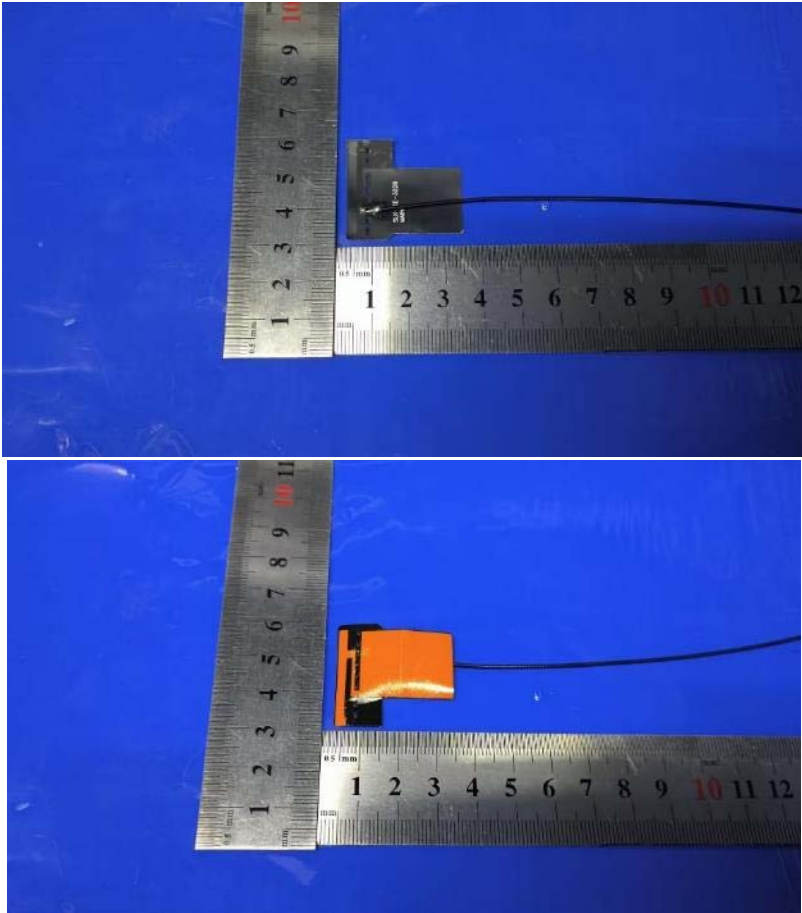
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Antenna Interface



Antenna Photo

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5.2 Set-up for Conducted Emission on AC Mains



5.3 Set-up for Conducted RF test at Antenna Port



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5.4 Set-up for Radiated Spurious Emissions below 1GHz



5.5 Set-up for Radiated Spurious Emissions above 1GHz



End of the report