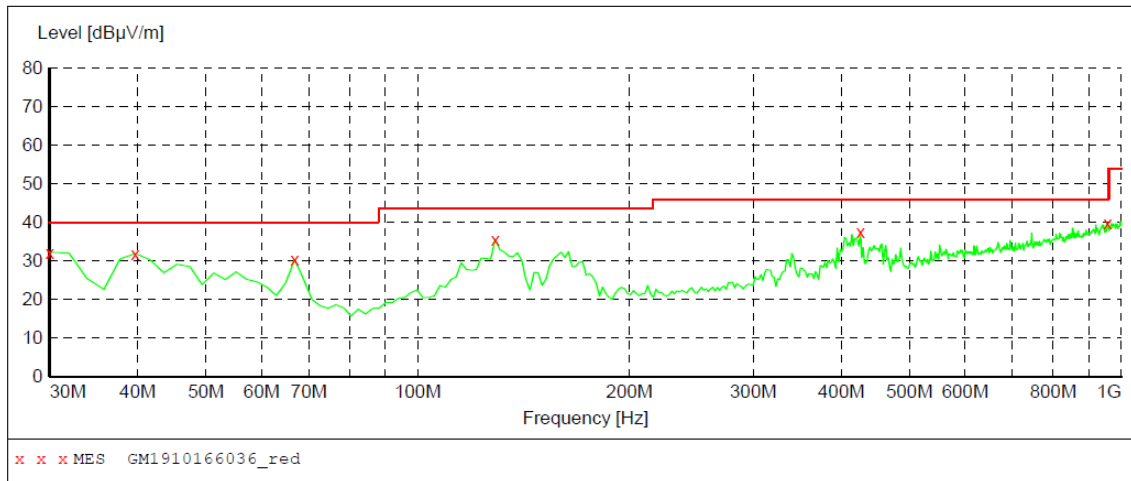


SPSCL-19WS5YXXZ ,SPSCL-16WS5YXXZ:

Polarization:

Vertical

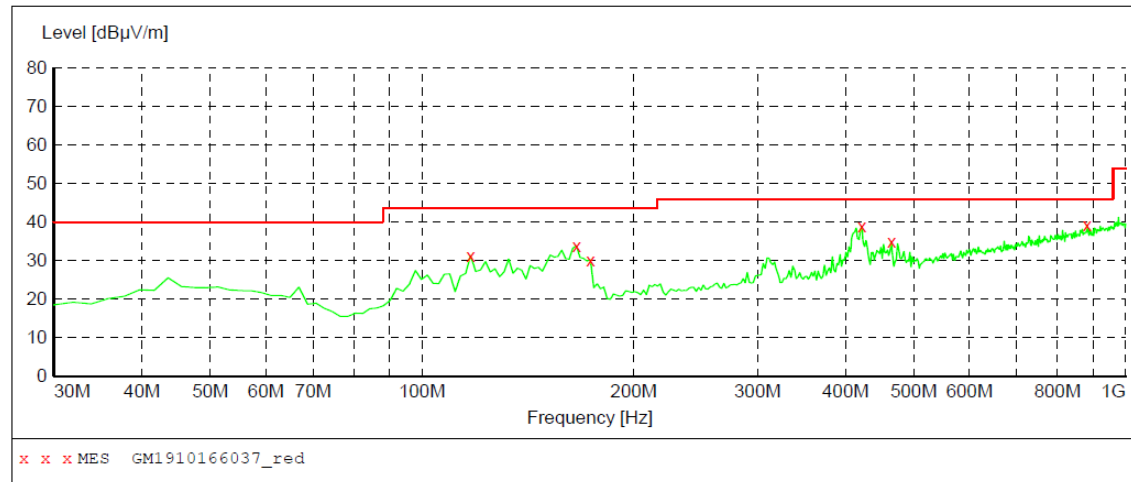
**MEASUREMENT RESULT: "GM1910166036_red"**

10/16/2019 2:34PM

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
30.000000	32.20	-8.8	40.0	7.8	QP	100.0	63.00	VERTICAL
39.700000	31.90	-5.8	40.0	8.1	QP	100.0	0.00	VERTICAL
66.860000	30.30	-7.7	40.0	9.7	QP	100.0	336.00	VERTICAL
128.940000	35.60	-8.7	43.5	7.9	QP	100.0	155.00	VERTICAL
425.760000	37.60	1.2	46.0	8.4	QP	100.0	3.00	VERTICAL
955.380000	39.70	12.3	46.0	6.3	QP	100.0	145.00	VERTICAL

Polarization:

Horizontal

**MEASUREMENT RESULT: "GM1910166037_red"**

10/16/2019 2:40PM

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
117.300000	31.30	-7.3	43.5	12.2	QP	300.0	108.00	HORIZONTAL
165.800000	33.80	-8.5	43.5	9.7	QP	100.0	261.00	HORIZONTAL
173.560000	30.20	-8.4	43.5	13.3	QP	100.0	261.00	HORIZONTAL
421.880000	38.90	1.1	46.0	7.1	QP	100.0	49.00	HORIZONTAL
464.560000	34.90	1.7	46.0	11.1	QP	100.0	321.00	HORIZONTAL
881.660000	39.30	10.9	46.0	6.7	QP	300.0	62.00	HORIZONTAL

➤ 1 GHz ~ 25 GHz

802.11b:

Test channel

CH00

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	3197.250	36.31	0.83	37.14	74.00	36.86	Horizontal	PK
2	4823.156	36.90	7.08	43.98	74.00	30.02	Horizontal	PK
3	5093.406	31.55	8.74	40.29	74.00	33.71	Horizontal	PK
4	6233.156	31.07	10.92	41.99	74.00	32.01	Horizontal	PK

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	2997.500	42.88	-0.11	42.77	74.00	31.23	Vertical	PK
2	3571.781	36.08	1.34	37.42	74.00	36.58	Vertical	PK
3	4823.156	38.56	7.08	45.64	74.00	28.36	Vertical	PK
4	6416.750	31.00	11.49	42.49	74.00	31.51	Vertical	PK

Test channel					CH06			
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1788.718	34.70	-5.83	28.87	74.00	45.13	Horizontal	PK
2	4873.093	36.11	7.15	43.26	74.00	30.74	Horizontal	PK
3	5855.687	30.78	9.79	40.57	74.00	33.43	Horizontal	PK
4	7970.687	31.01	16.23	47.24	74.00	26.76	Horizontal	PK
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1787.250	35.75	-5.84	29.91	74.00	44.09	Vertical	PK
2	3686.343	36.72	1.57	38.29	74.00	35.71	Vertical	PK
3	4873.093	35.16	7.15	42.31	74.00	31.69	Vertical	PK
4	5134.531	32.53	8.86	41.39	74.00	32.61	Vertical	PK

Test channel				CH11				
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1392.156	35.16	-5.58	29.58	74.00	44.42	Horizontal	PK
2	2996.031	40.53	-0.10	40.43	74.00	33.57	Horizontal	PK
3	4648.375	33.15	6.07	39.22	74.00	34.78	Horizontal	PK
4	4924.500	37.45	7.34	44.79	74.00	29.21	Horizontal	PK

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1415.656	34.62	-5.59	29.03	74.00	44.97	Vertical	PK
2	3536.531	36.34	1.20	37.54	74.00	36.46	Vertical	PK
3	4924.500	37.55	7.34	44.89	74.00	29.11	Vertical	PK
4	7361.156	30.60	15.25	45.85	74.00	28.15	Vertical	PK

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

802.11g:

Test channel

CH00

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1794.593	35.16	-5.82	29.34	74.00	44.66	Horizontal	PK
2	3983.031	35.19	2.96	38.15	74.00	35.85	Horizontal	PK
3	4248.875	37.30	3.80	41.10	74.00	32.90	Horizontal	PK
4	6015.781	31.59	10.50	42.09	74.00	31.91	Horizontal	PK

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1377.468	34.82	-5.58	29.24	74.00	44.76	Vertical	PK
2	4585.218	33.54	5.71	39.25	74.00	34.75	Vertical	PK
3	7021.875	30.46	14.23	44.69	74.00	29.31	Vertical	PK
4	8638.968	30.72	15.95	46.67	74.00	27.33	Vertical	PK

Test channel					CH06			
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1490.562	34.36	-5.63	28.73	74.00	45.27	Horizontal	PK
2	3985.968	33.97	2.97	36.94	74.00	37.06	Horizontal	PK
3	5952.625	31.52	10.23	41.75	74.00	32.25	Horizontal	PK
4	11265.09	30.15	17.60	47.75	74.00	26.25	Horizontal	PK
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1490.562	34.43	-5.63	28.80	74.00	45.20	Vertical	PK
2	3567.375	35.70	1.32	37.02	74.00	36.98	Vertical	PK
3	5321.062	36.50	8.49	44.99	74.00	29.01	Vertical	PK
4	8058.812	31.17	16.28	47.45	74.00	26.55	Vertical	PK

Test channel					CH11			
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1705.000	36.47	-6.09	30.38	74.00	43.62	Horizontal	PK
2	4925.968	36.04	7.35	43.39	74.00	30.61	Horizontal	PK
3	6713.437	31.21	13.43	44.64	74.00	29.36	Horizontal	PK
4	8001.531	31.45	16.19	47.64	74.00	26.36	Horizontal	PK
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1440.625	33.94	-5.60	28.34	74.00	45.66	Vertical	PK
2	3532.125	35.18	1.18	36.36	74.00	37.64	Vertical	PK
3	4266.500	40.32	3.79	44.11	74.00	29.89	Vertical	PK
4	6296.312	30.91	11.00	41.91	74.00	32.09	Vertical	PK

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

802.11n(H20):

Test channel				CH00				
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	2104.500	34.86	-3.96	30.90	74.00	43.10	Horizontal	PK
2	3805.312	35.65	2.03	37.68	74.00	36.32	Horizontal	PK
3	6446.125	29.90	11.85	41.75	74.00	32.25	Horizontal	PK
4	9496.718	30.61	17.99	48.60	74.00	25.40	Horizontal	PK
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1649.187	35.95	-6.19	29.76	74.00	44.24	Vertical	PK
2	3996.250	36.11	3.01	39.12	74.00	34.88	Vertical	PK
3	6399.125	33.25	11.28	44.53	74.00	29.47	Vertical	PK
4	8202.750	31.42	16.01	47.43	74.00	26.57	Vertical	PK

Test channel					CH06			
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1637.437	35.73	-6.21	29.52	74.00	44.48	Horizontal	PK
2	4203.343	34.06	3.82	37.88	74.00	36.12	Horizontal	PK
3	5137.468	32.40	8.87	41.27	74.00	32.73	Horizontal	PK
4	9045.812	31.05	16.72	47.77	74.00	26.23	Horizontal	PK
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1616.875	35.23	-6.25	28.98	74.00	45.02	Vertical	PK
2	2993.093	39.62	-0.08	39.54	74.00	34.46	Vertical	PK
3	4245.937	40.12	3.80	43.92	74.00	30.08	Vertical	PK
4	7170.218	30.26	14.82	45.08	74.00	28.92	Vertical	PK

Test channel				CH11				
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1615.406	36.23	-6.25	29.98	74.00	44.02	Horizontal	PK
2	3582.062	35.95	1.38	37.33	74.00	36.67	Horizontal	PK
3	6588.593	30.39	13.08	43.47	74.00	30.53	Horizontal	PK
4	7951.593	30.79	16.25	47.04	74.00	26.96	Horizontal	PK
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector
1	1760.812	35.84	-5.92	29.92	74.00	44.08	Vertical	PK
2	3705.437	35.18	1.61	36.79	74.00	37.21	Vertical	PK
3	4983.250	38.42	7.74	46.16	74.00	27.84	Vertical	PK
4	7478.656	30.63	15.40	46.03	74.00	27.97	Vertical	PK

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.
3. The emission levels of other frequencies(test frequency band is 1GHz to 25GHz) are very lower than the limit and not show in test report.

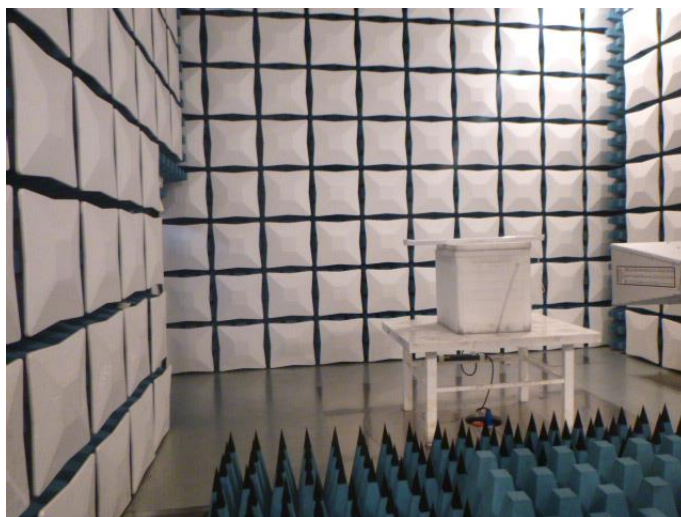
6. TEST SETUP PHOTOS

Conducted Emissions (AC Mains)



Radiated Emissions

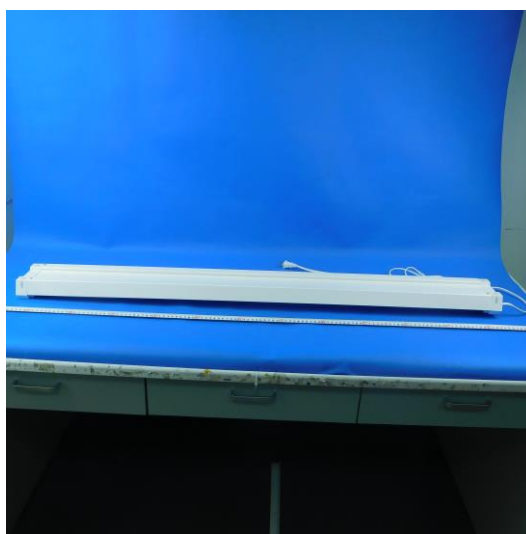
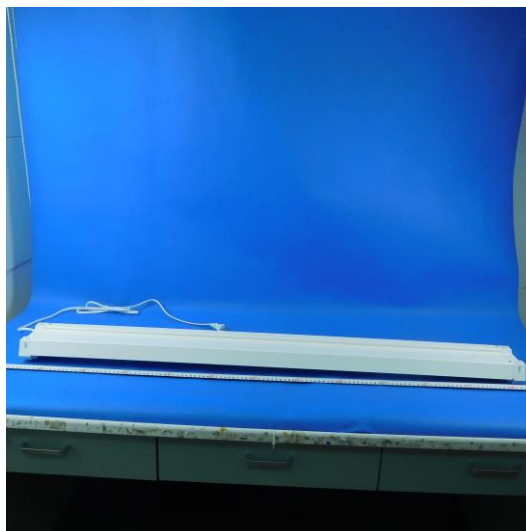
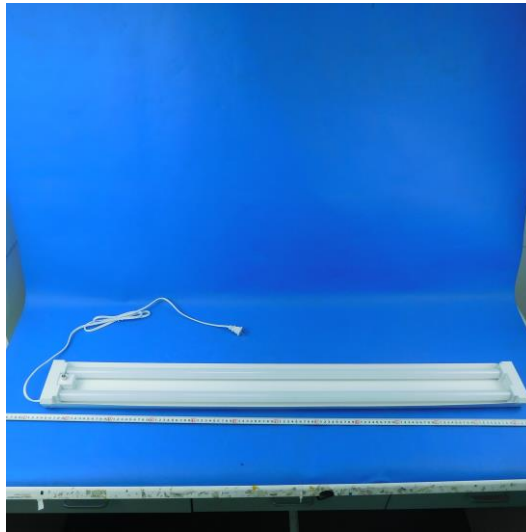




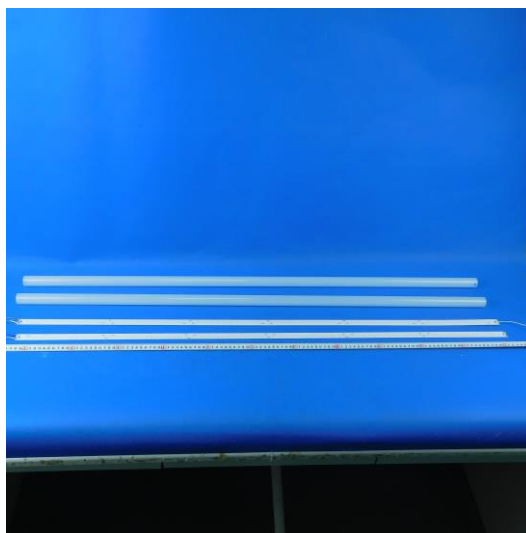
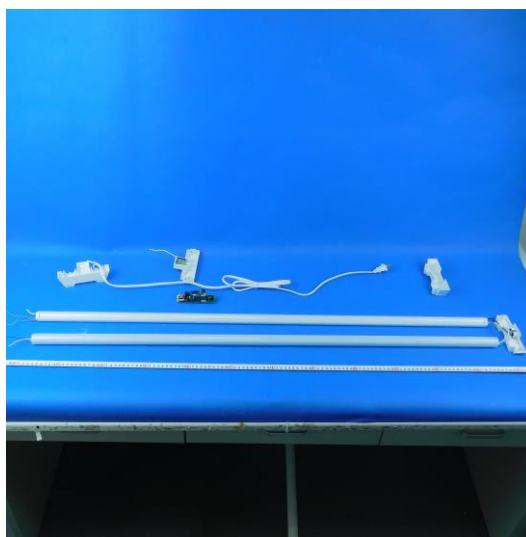
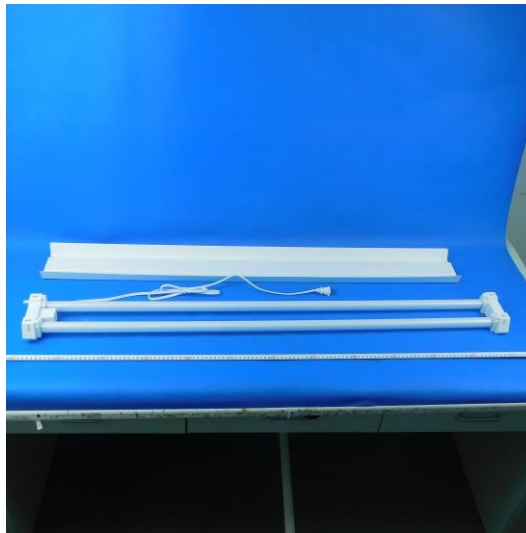
7. EXTERNAL AND INTERNAL PHOTOS

External Photo

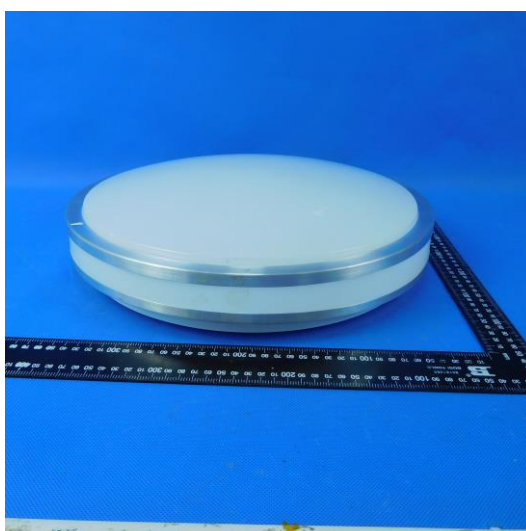
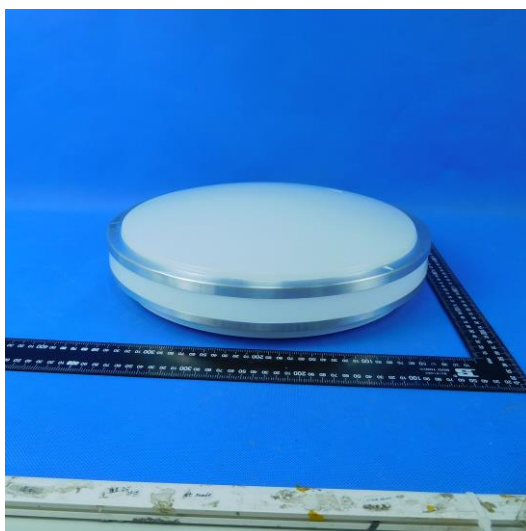
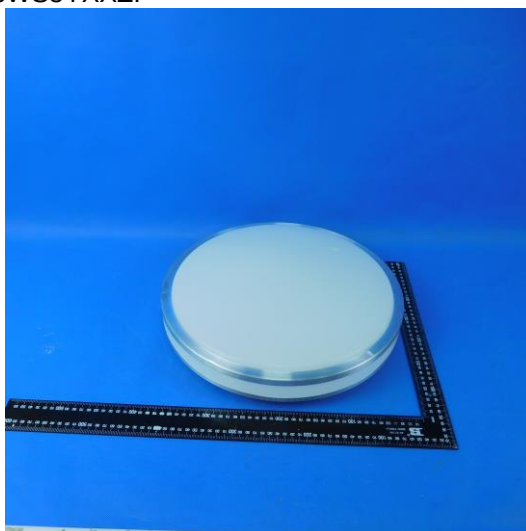
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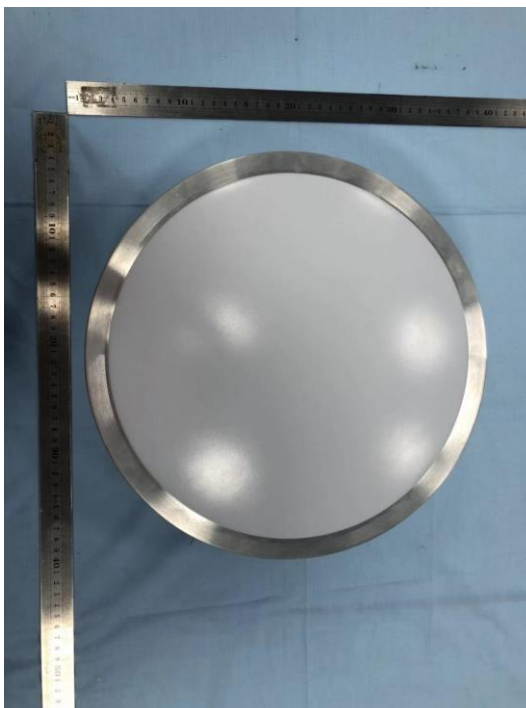
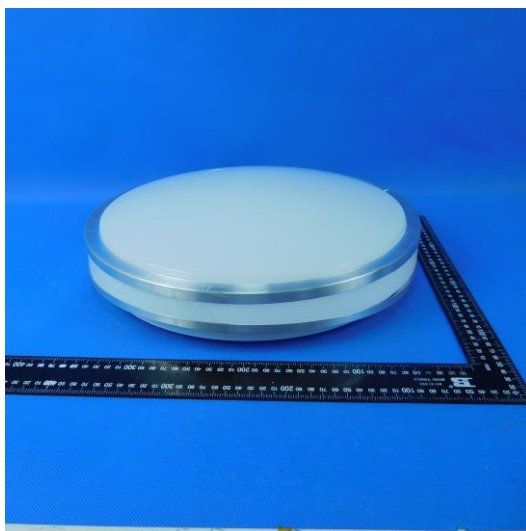
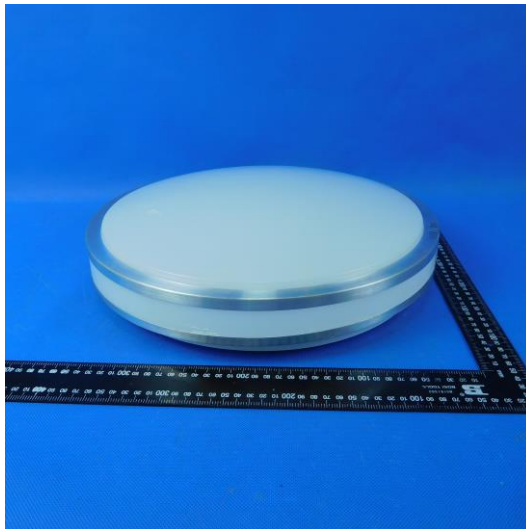






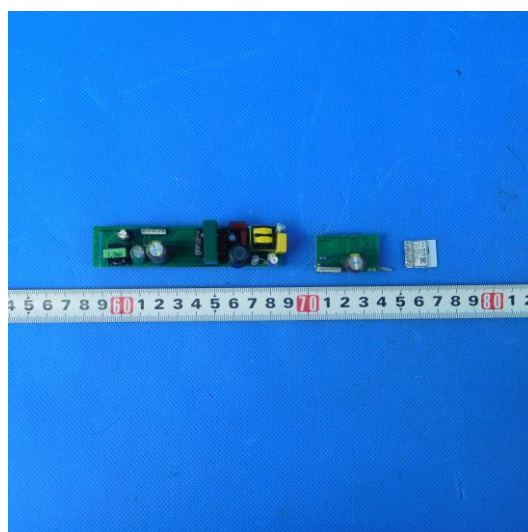
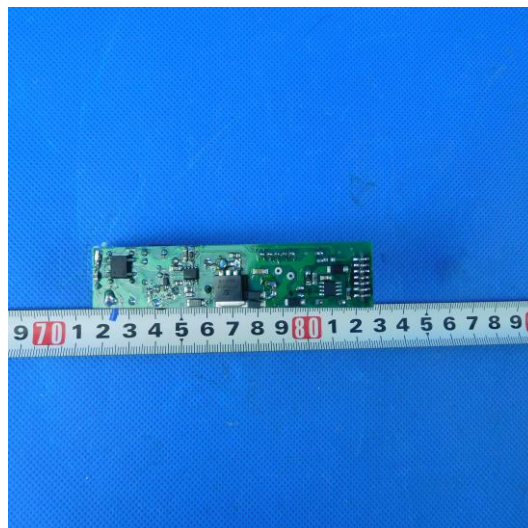
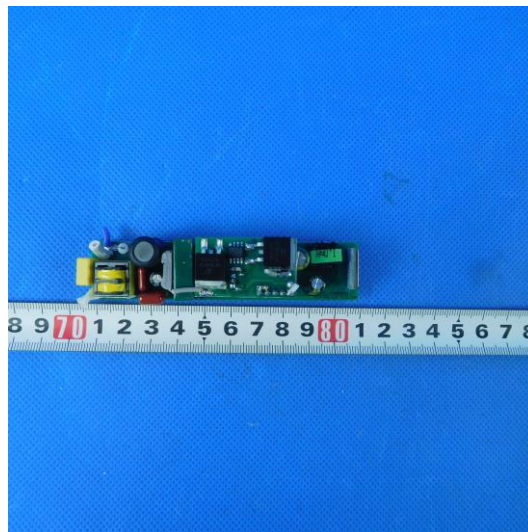
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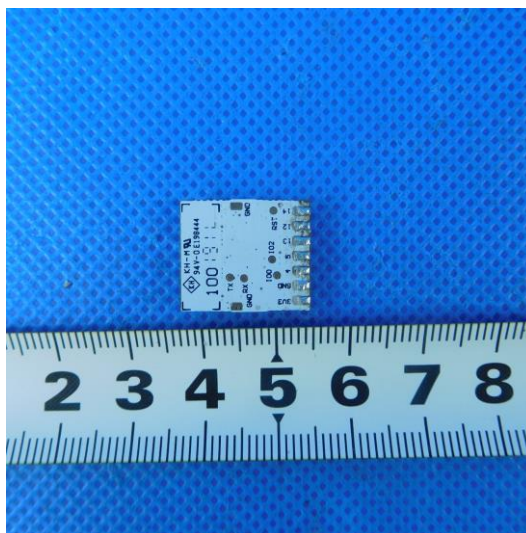
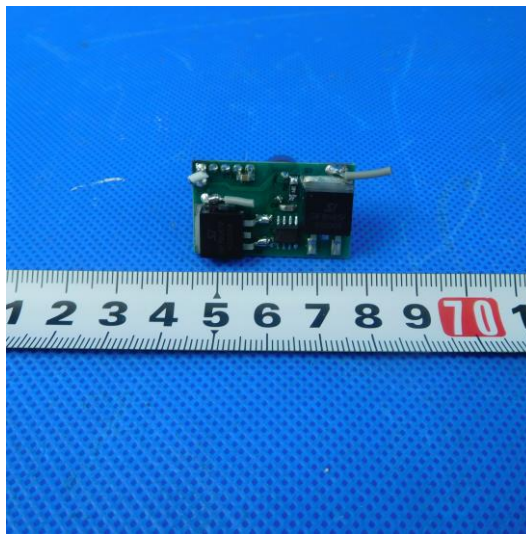
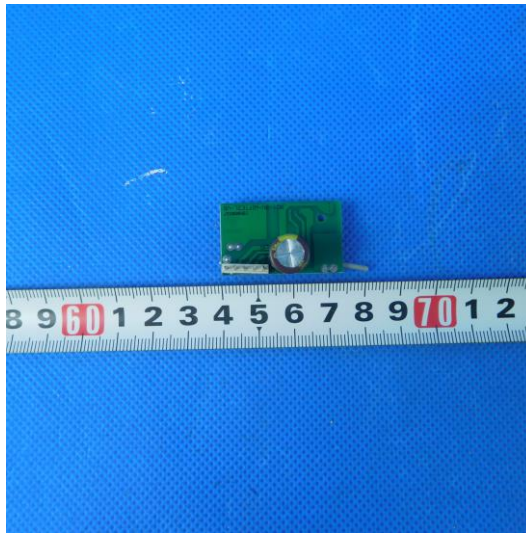


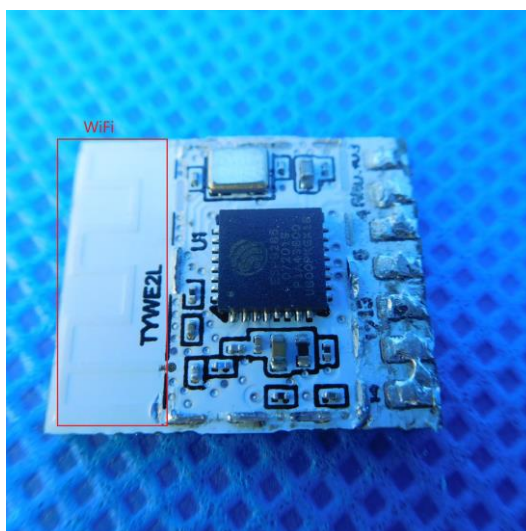
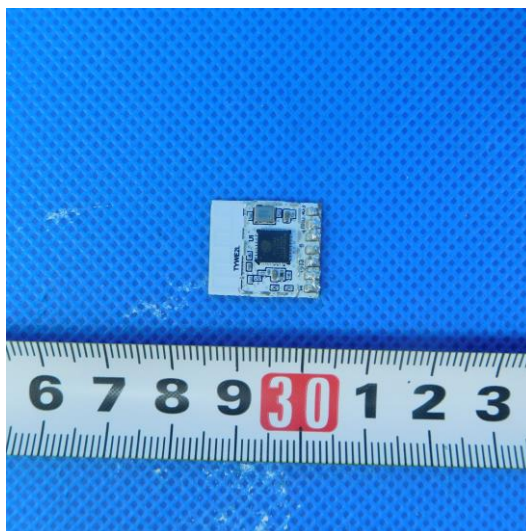
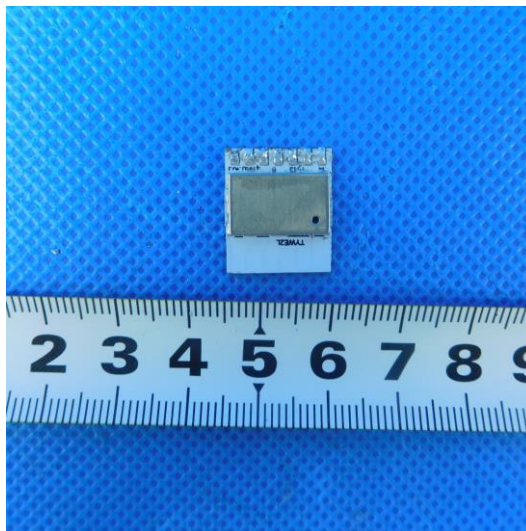


Internal Photo

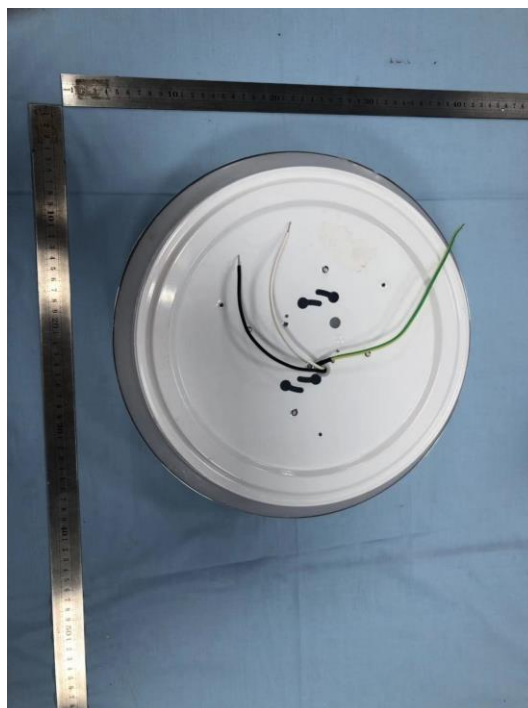
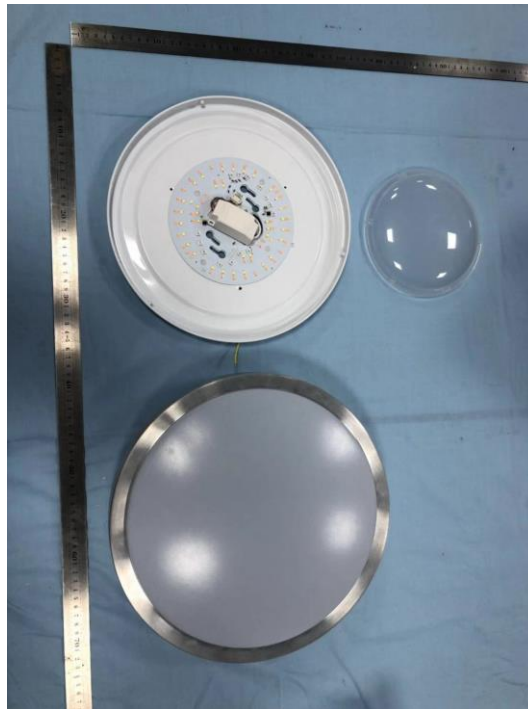
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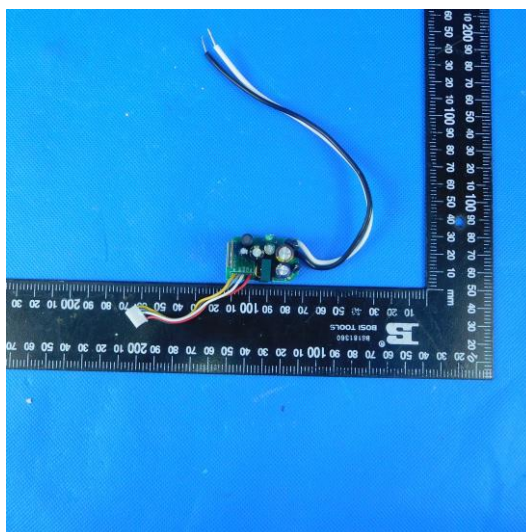
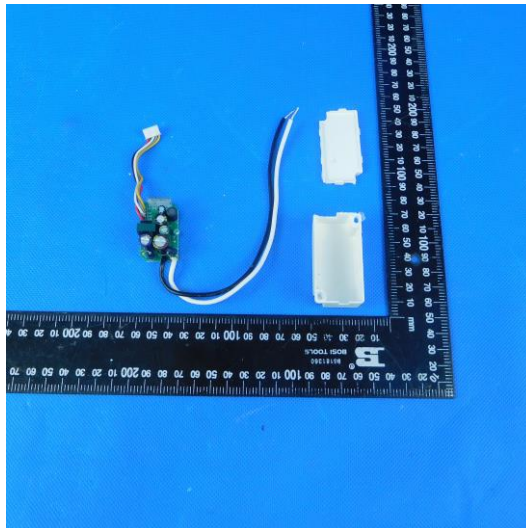
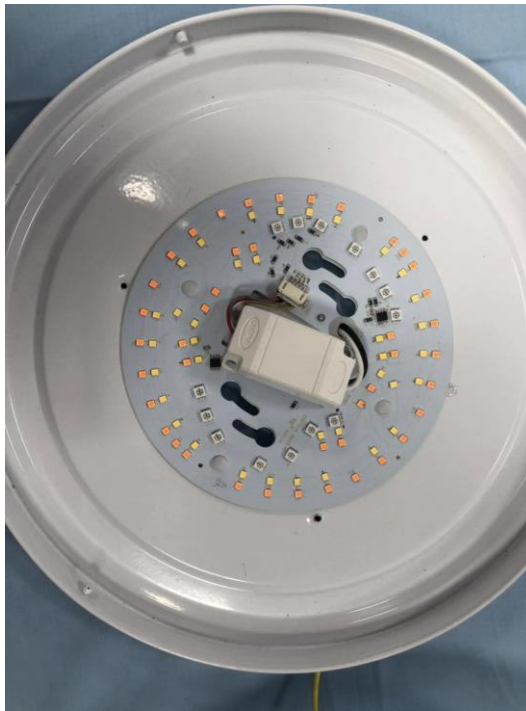


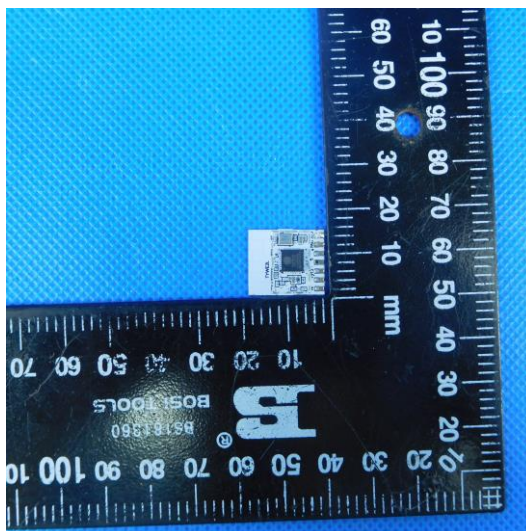
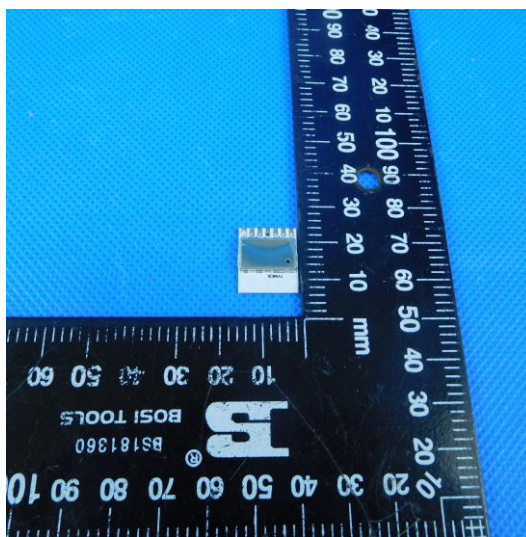
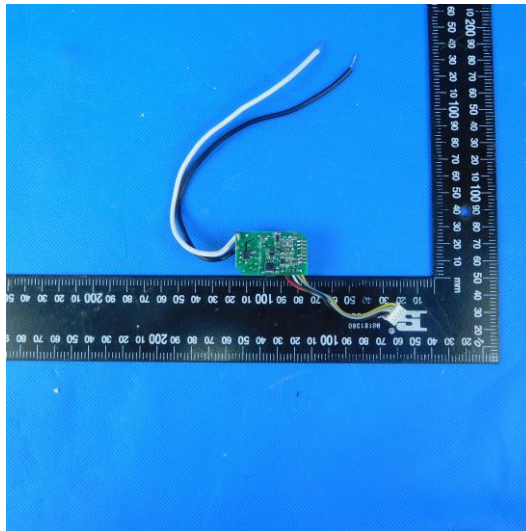


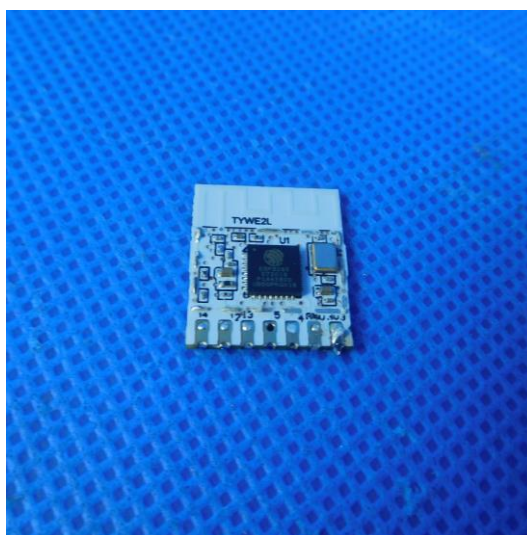
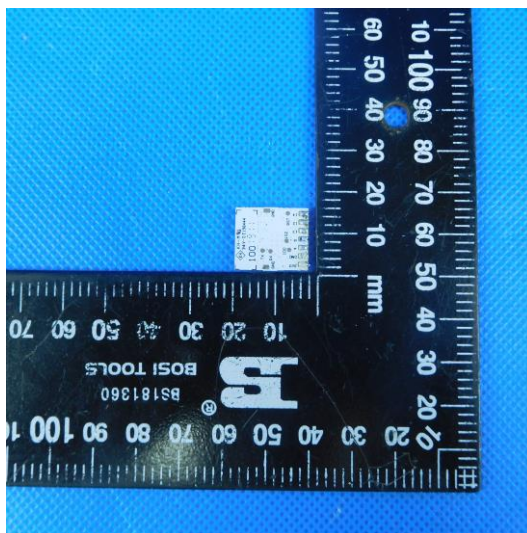


SPSCL-19WS5YXXZ,SPSCL-16WS5YXXZ:









-----End of Report-----