

Test mode:		802.11n(HT20)(6.5Mbps)		Test Frequency:		2462MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1442.758	30.76	2.77	34.72	43.48	42.29	74	-31.71	PASS	H
4096.875	33.05	5.40	34.57	41.82	45.70	74	-28.30	PASS	H
4924.000	34.94	5.07	34.32	38.29	43.98	74	-30.02	PASS	H
5925.863	35.85	7.27	34.30	40.57	49.39	74	-24.61	PASS	H
7386.000	36.44	6.83	34.90	40.15	48.52	74	-25.48	PASS	H
9848.000	38.14	7.53	35.03	39.82	50.46	74	-23.54	PASS	H
1435.431	30.74	2.77	34.73	43.96	42.74	74	-31.26	PASS	V
3747.656	32.98	5.48	34.58	42.21	46.09	74	-27.91	PASS	V
4924.000	34.94	5.07	34.32	39.91	45.60	74	-28.40	PASS	V
5910.798	35.83	7.23	34.30	40.81	49.57	74	-24.43	PASS	V
7386.000	36.44	6.83	34.90	40.46	48.83	74	-25.17	PASS	V
9848.000	38.14	7.53	35.03	39.49	50.13	74	-23.87	PASS	V

Test mode:		802.11n(HT40)(13.5Mbps)		Test Frequency:		2422MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1395.796	30.66	2.73	34.77	43.38	42.00	74	-32.00	PASS	H
1846.834	31.47	3.12	34.40	43.62	43.81	74	-30.19	PASS	H
4844.000	34.77	5.10	34.34	38.35	43.88	74	-30.12	PASS	H
5940.967	35.86	7.30	34.30	41.40	50.26	74	-23.74	PASS	H
7266.000	36.43	6.72	34.90	39.89	48.14	74	-25.86	PASS	H
9688.000	37.97	7.66	35.06	40.02	50.59	74	-23.41	PASS	H
1613.749	31.08	2.93	34.58	42.38	41.81	74	-32.19	PASS	V
3616.451	33.08	5.50	34.56	41.32	45.34	74	-28.66	PASS	V
4844.000	34.77	5.10	34.34	37.25	42.78	74	-31.22	PASS	V
6063.190	35.93	7.36	34.34	39.96	48.91	74	-25.09	PASS	V
7266.000	36.43	6.72	34.90	39.04	47.29	74	-26.71	PASS	V
9688.000	37.97	7.66	35.06	37.80	48.37	74	-25.63	PASS	V

Test mode:		802.11n(HT40)(13.5Mbps)		Test Frequency:		2437MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1176.935	30.17	2.49	34.99	45.16	42.83	74	-31.17	PASS	H
1642.761	31.13	2.95	34.56	43.98	43.50	74	-30.50	PASS	H
4874.000	34.84	5.09	34.33	38.60	44.20	74	-29.80	PASS	H
5895.771	35.82	7.20	34.30	41.28	50.00	74	-24.00	PASS	H
7311.000	36.43	6.76	34.90	40.11	48.40	74	-25.60	PASS	H
9748.000	38.03	7.61	35.05	39.86	50.45	74	-23.55	PASS	H
1424.511	30.72	2.76	34.74	43.57	42.31	74	-31.69	PASS	V
3747.656	32.98	5.48	34.58	43.41	47.29	74	-26.71	PASS	V
4874.000	34.84	5.09	34.33	38.55	44.15	74	-29.85	PASS	V
6156.505	35.98	7.27	34.40	40.71	49.56	74	-24.44	PASS	V
7311.000	36.43	6.76	34.90	40.71	49.00	74	-25.00	PASS	V
9748.000	38.03	7.61	35.05	39.44	50.03	74	-23.97	PASS	V

Test mode:		802.11n(HT40)(13.5Mbps)		Test Frequency:		2452MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1213.441	30.26	2.53	34.95	44.56	42.40	74	-31.60	PASS	H
1468.696	30.81	2.80	34.70	43.26	42.17	74	-31.83	PASS	H
1875.258	31.51	3.14	34.38	43.62	43.89	74	-30.11	PASS	H
4904.000	34.90	5.07	34.33	39.09	44.73	74	-29.27	PASS	H
7356.000	36.44	6.80	34.90	39.53	47.87	74	-26.13	PASS	H
9808.000	38.10	7.56	35.04	39.45	50.07	74	-23.93	PASS	H
1420.890	30.71	2.75	34.74	43.38	42.10	74	-31.90	PASS	V
1842.139	31.46	3.11	34.41	44.20	44.36	74	-29.64	PASS	V
3747.656	32.98	5.48	34.58	42.65	46.53	74	-27.47	PASS	V
4904.000	34.90	5.07	34.33	39.52	45.16	74	-28.84	PASS	V
7356.000	36.44	6.80	34.90	38.79	47.13	74	-26.87	PASS	V
9808.000	38.10	7.56	35.04	39.53	50.15	74	-23.85	PASS	V

Antenna 1+Antenna 2 : Keeping MIMO TX mode

Test mode:		802.11n(HT20)(6.5Mbps)		Test Frequency:		2412MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1198.095	30.22	2.51	34.97	44.63	42.39	74	-31.61	PASS	H
1646.948	31.14	2.96	34.55	43.48	43.03	74	-30.97	PASS	H
3644.175	33.06	5.50	34.57	42.28	46.27	74	-27.73	PASS	H
4824.000	34.73	5.10	34.35	42.90	48.38	74	-25.62	PASS	H
7236.000	36.42	6.69	34.90	41.75	49.96	74	-24.04	PASS	H
9648.000	37.93	7.70	35.07	40.11	50.67	74	-23.33	PASS	H
1170.959	30.16	2.48	35.00	44.37	42.01	74	-31.99	PASS	V
1413.674	30.70	2.74	34.75	43.74	42.43	74	-31.57	PASS	V
3747.656	32.98	5.48	34.58	42.38	46.26	74	-27.74	PASS	V
4824.000	34.73	5.10	34.35	43.49	48.97	74	-25.03	PASS	V
7236.000	36.42	6.69	34.90	42.48	50.69	74	-23.31	PASS	V
9648.000	37.93	7.70	35.07	40.01	50.57	74	-23.43	PASS	V

Test mode:		802.11n(HT20)(6.5Mbps)		Test Frequency:		2437MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1420.890	30.71	2.75	34.74	43.00	41.72	74	-32.28	PASS	H
1851.542	31.48	3.12	34.40	43.33	43.53	74	-30.47	PASS	H
3634.910	33.07	5.50	34.57	43.21	47.21	74	-26.79	PASS	H
4874.000	34.84	5.09	34.33	40.59	46.19	74	-27.81	PASS	H
7311.000	36.43	6.76	34.90	41.94	50.23	74	-23.77	PASS	H
9748.000	38.03	7.61	35.05	40.11	50.70	74	-23.30	PASS	H
1225.860	30.29	2.54	34.94	43.70	41.59	74	-32.41	PASS	V
1651.146	31.15	2.96	34.55	43.70	43.26	74	-30.74	PASS	V
3634.910	33.07	5.50	34.57	42.02	46.02	74	-27.98	PASS	V
4874.000	34.84	5.09	34.33	43.58	49.18	74	-24.82	PASS	V
7311.000	36.43	6.76	34.90	40.70	48.99	74	-25.01	PASS	V
9748.000	38.03	7.61	35.05	39.83	50.42	74	-23.58	PASS	V

Test mode:		802.11n(HT20)(6.5Mbps)		Test Frequency:		2462MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1213.441	30.26	2.53	34.95	43.78	41.62	74	-32.38	PASS	H
1651.146	31.15	2.96	34.55	43.78	43.34	74	-30.66	PASS	H
3738.129	32.99	5.48	34.58	42.43	46.32	74	-27.68	PASS	H
4924.000	34.94	5.07	34.32	38.98	44.67	74	-29.33	PASS	H
7386.000	36.44	6.83	34.90	40.78	49.15	74	-24.85	PASS	H
9848.000	38.14	7.53	35.03	39.27	49.91	74	-24.09	PASS	H
1216.534	30.27	2.53	34.95	44.69	42.54	74	-31.46	PASS	V
1638.585	31.12	2.95	34.56	43.61	43.12	74	-30.88	PASS	V
3607.257	33.09	5.50	34.56	42.35	46.38	74	-27.62	PASS	V
4924.000	34.94	5.07	34.32	41.07	46.76	74	-27.24	PASS	V
7386.000	36.44	6.83	34.90	40.30	48.67	74	-25.33	PASS	V
9848.000	38.14	7.53	35.03	39.40	50.04	74	-23.96	PASS	V

Test mode:		802.11n(HT40)(13.5Mbps)		Test Frequency:		2422MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1207.279	30.24	2.52	34.96	44.44	42.24	74	-31.76	PASS	H
1638.585	31.12	2.95	34.56	43.41	42.92	74	-31.08	PASS	H
3625.669	33.07	5.50	34.57	42.27	46.27	74	-27.73	PASS	H
4844.000	34.77	5.10	34.34	40.15	45.68	74	-28.32	PASS	H
7266.000	36.43	6.72	34.90	41.18	49.43	74	-24.57	PASS	H
9688.000	37.97	7.66	35.06	38.37	48.94	74	-25.06	PASS	H
1192.011	30.21	2.51	34.97	44.87	42.62	74	-31.38	PASS	V
1638.585	31.12	2.95	34.56	43.50	43.01	74	-30.99	PASS	V
4096.875	33.05	5.40	34.57	41.99	45.87	74	-28.13	PASS	V
4844.000	34.77	5.10	34.34	42.90	48.43	74	-25.57	PASS	V
7266.000	36.43	6.72	34.90	42.32	50.57	74	-23.43	PASS	V
9688.000	37.97	7.66	35.06	39.06	49.63	74	-24.37	PASS	V

Test mode:		802.11n(HT40)(13.5Mbps)		Test Frequency:		2437MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1195.049	30.21	2.51	34.97	44.63	42.38	74	-31.62	PASS	H
1659.574	31.16	2.97	34.54	43.25	42.84	74	-31.16	PASS	H
3766.785	32.97	5.48	34.58	42.79	46.66	74	-27.34	PASS	H
4874.000	34.84	5.09	34.33	39.40	45.00	74	-29.00	PASS	H
7311.000	36.43	6.76	34.90	39.84	48.13	74	-25.87	PASS	H
9748.000	38.03	7.61	35.05	40.08	50.67	74	-23.33	PASS	H
1192.011	30.21	2.51	34.97	44.63	42.38	74	-31.62	PASS	V
1634.419	31.12	2.95	34.56	42.69	42.20	74	-31.80	PASS	V
3625.669	33.07	5.50	34.57	42.38	46.38	74	-27.62	PASS	V
4874.000	34.84	5.09	34.33	41.03	46.63	74	-27.37	PASS	V
7311.000	36.43	6.76	34.90	41.06	49.35	74	-24.65	PASS	V
9748.000	38.03	7.61	35.05	38.94	49.53	74	-24.47	PASS	V

Test mode:		802.11n(HT40)(13.5Mbps)		Test Frequency:		2452MHz			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1228.984	30.29	2.55	34.93	43.41	41.32	74	-32.68	PASS	H
1613.749	31.08	2.93	34.58	44.00	43.43	74	-30.57	PASS	H
4107.316	33.07	5.39	34.56	40.84	44.74	74	-29.26	PASS	H
4904.000	34.90	5.07	34.33	38.38	44.02	74	-29.98	PASS	H
7356.000	36.44	6.80	34.90	39.33	47.67	74	-26.33	PASS	H
9808.000	38.10	7.56	35.04	39.04	49.66	74	-24.34	PASS	H
1195.049	30.21	2.51	34.97	44.03	41.78	74	-32.22	PASS	V
1634.419	31.12	2.95	34.56	43.34	42.85	74	-31.15	PASS	V
3616.451	33.08	5.50	34.56	42.20	46.22	74	-27.78	PASS	V
4904.000	34.90	5.07	34.33	40.96	46.60	74	-27.40	PASS	V
7356.000	36.44	6.80	34.90	40.25	48.59	74	-25.41	PASS	V
9808.000	38.10	7.56	35.04	39.40	50.02	74	-23.98	PASS	V

Note:

1) Through Pre-scan transmitting mode with all kind of modulation and data rate, find the 11Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40), and then Only the worst case is recorded in the report.

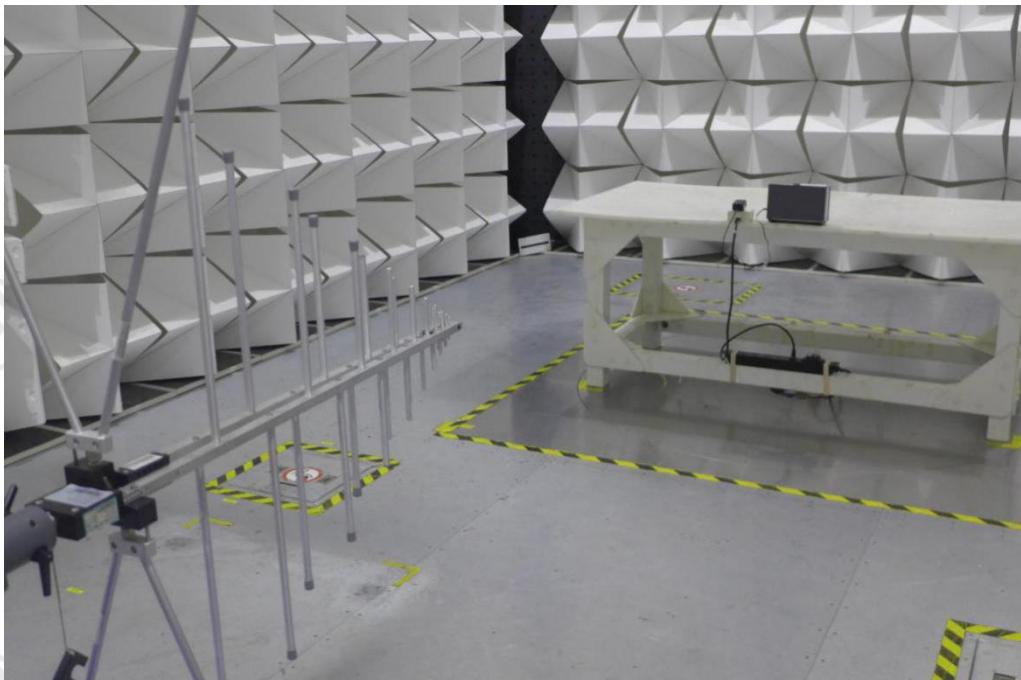
2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

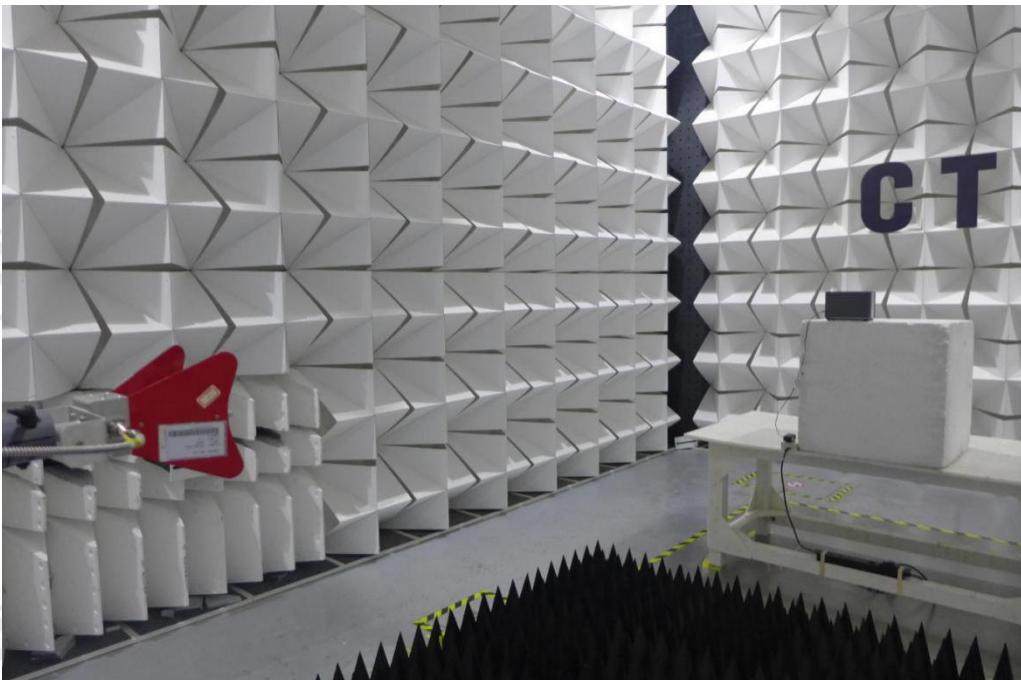
Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

PHOTOGRAPHS OF TEST SETUP

Test mode No.: OP1100



Radiated spurious emission Test Setup-1(Below 1GHz)



Radiated spurious emission Test Setup-2(Above 1GHz)



Conducted Emissions Test Setup

PHOTOGRAPHS OF EUT Constructional Details

Test mode No.: OP1100



View of Product-1



View of Product-2



View of Product-3



View of Product-4



View of Product-5



View of Product-6



View of Product-7



View of Product-8



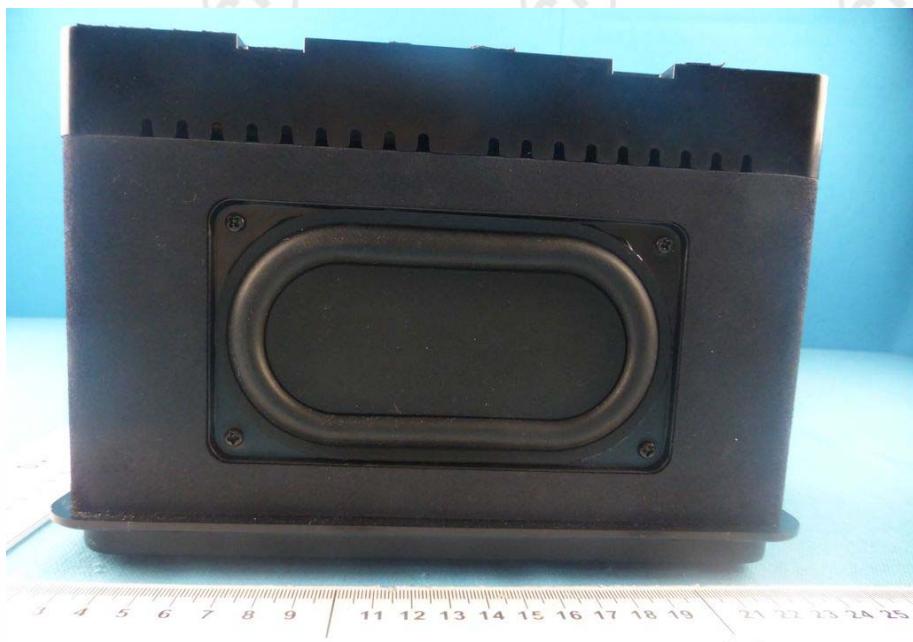
View of Product-9



View of Product-10



View of Product-11



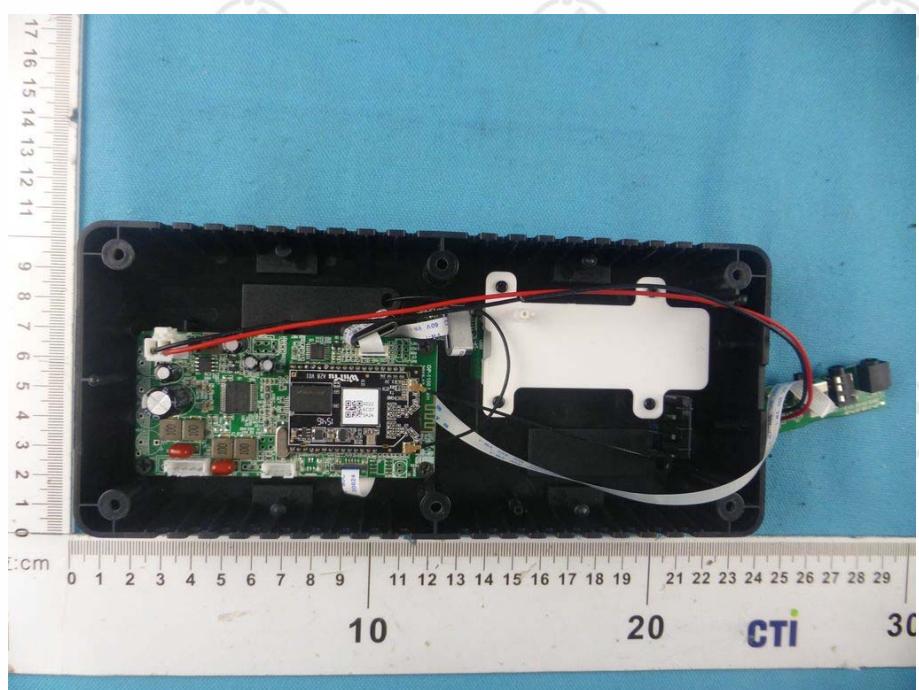
View of Product-12



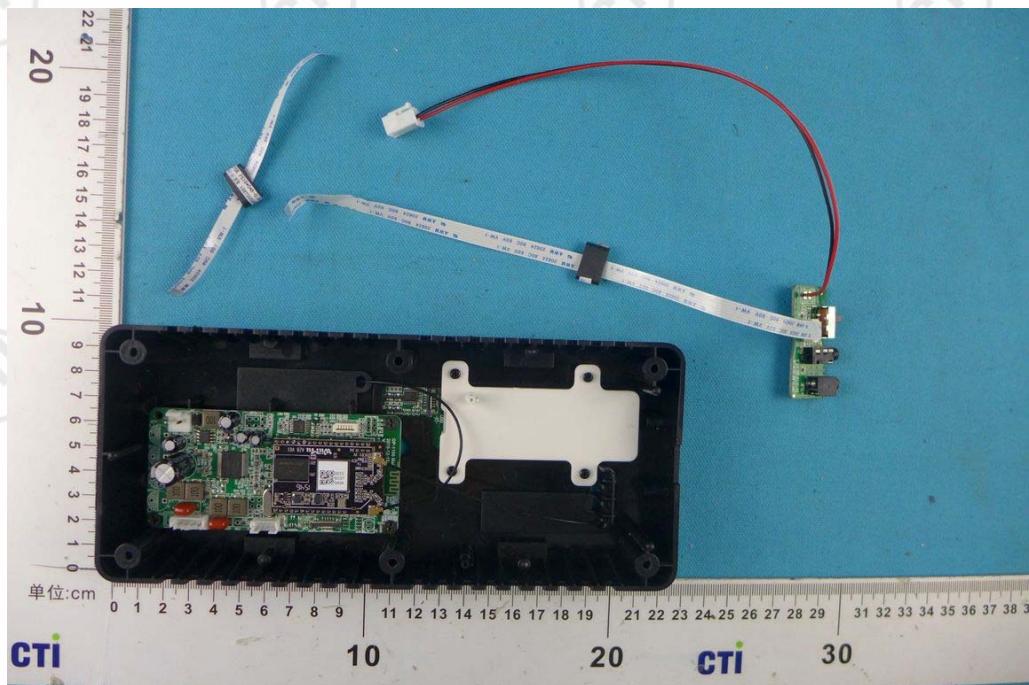
View of Product-13



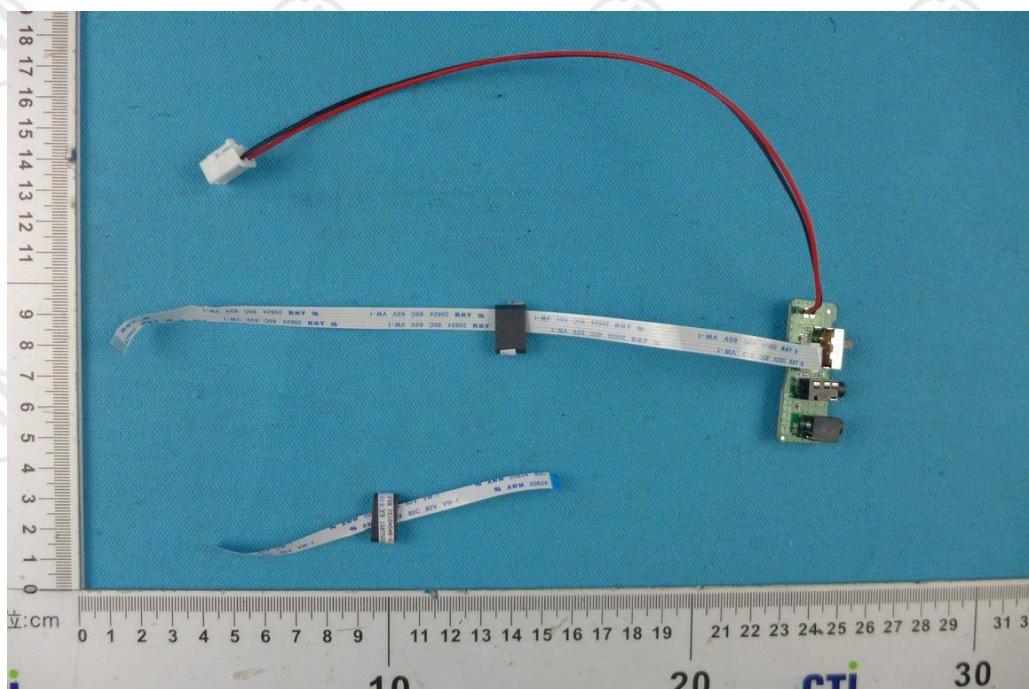
View of Product-14



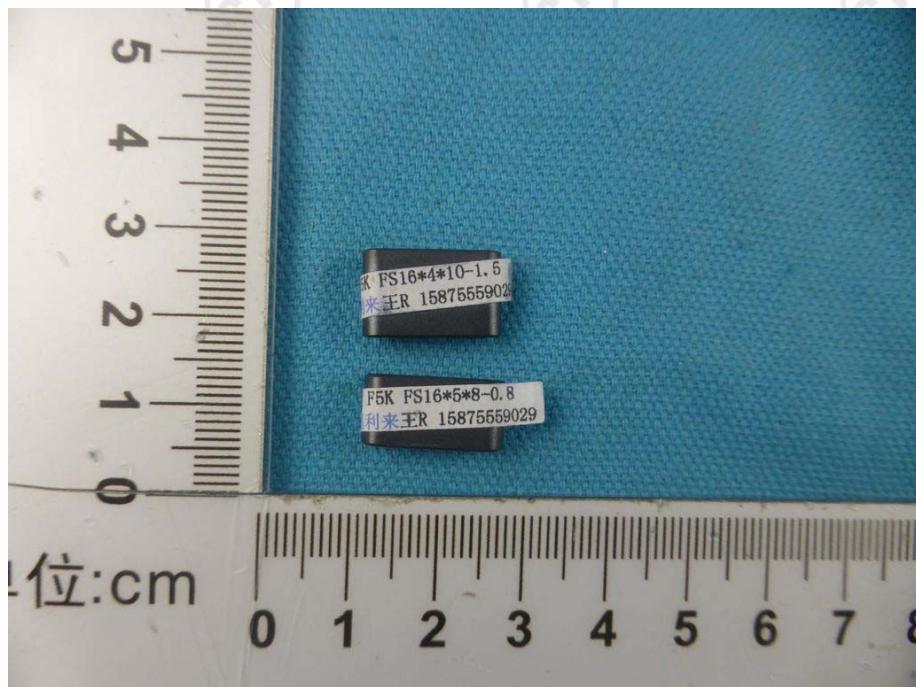
View of Product-15



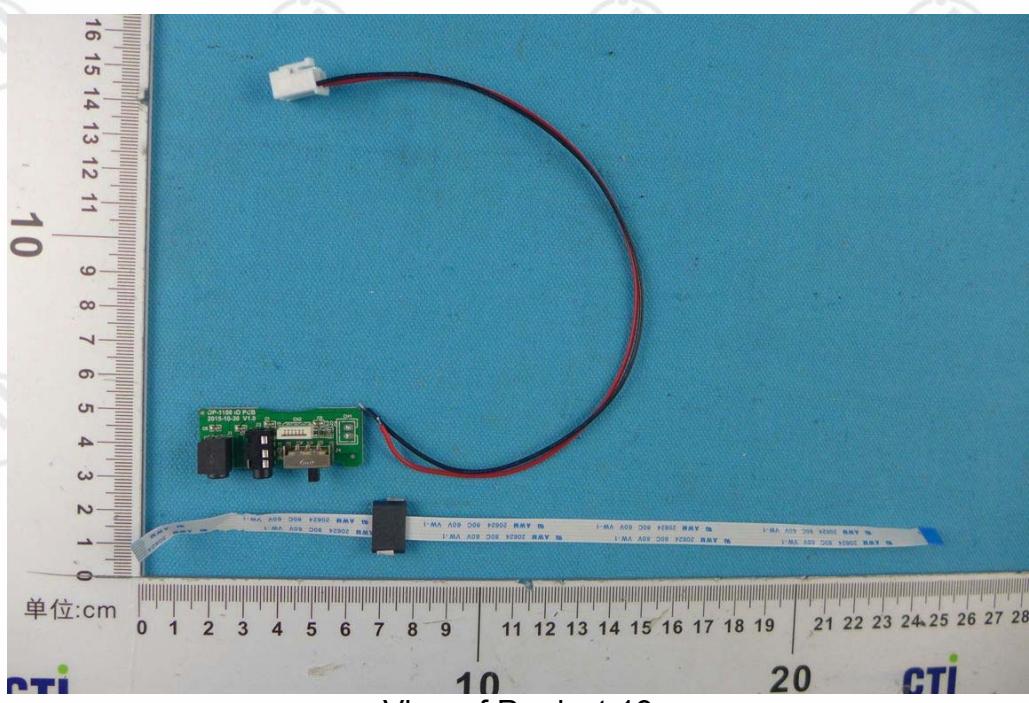
View of Product-16



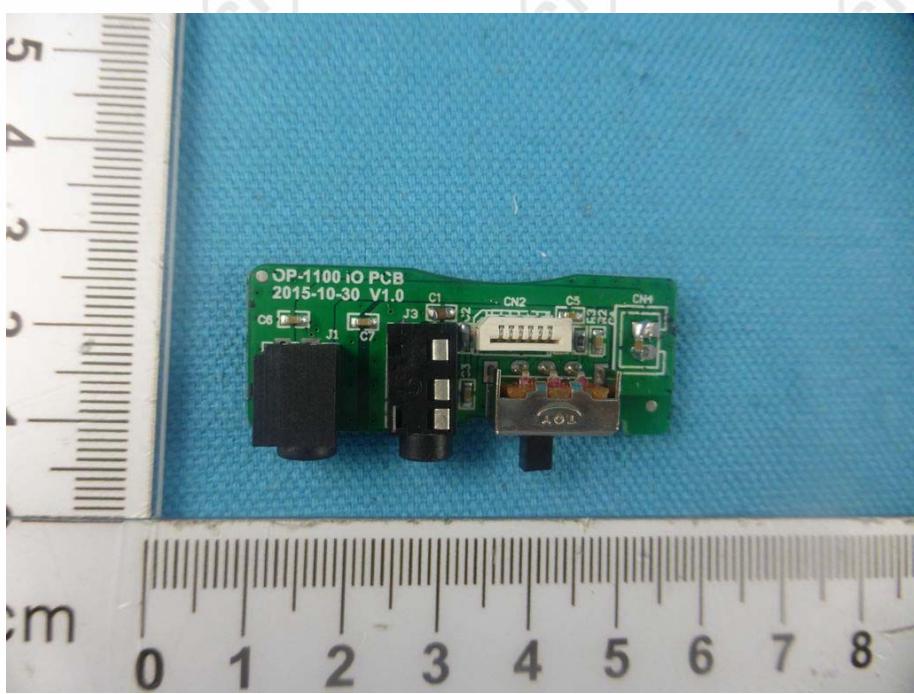
View of Product-17



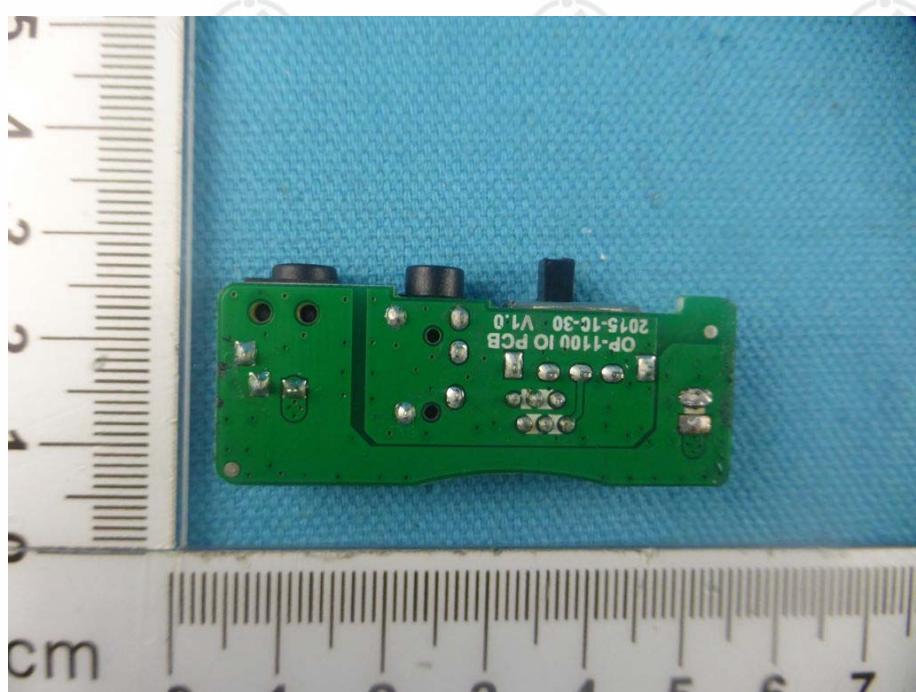
View of Product-18



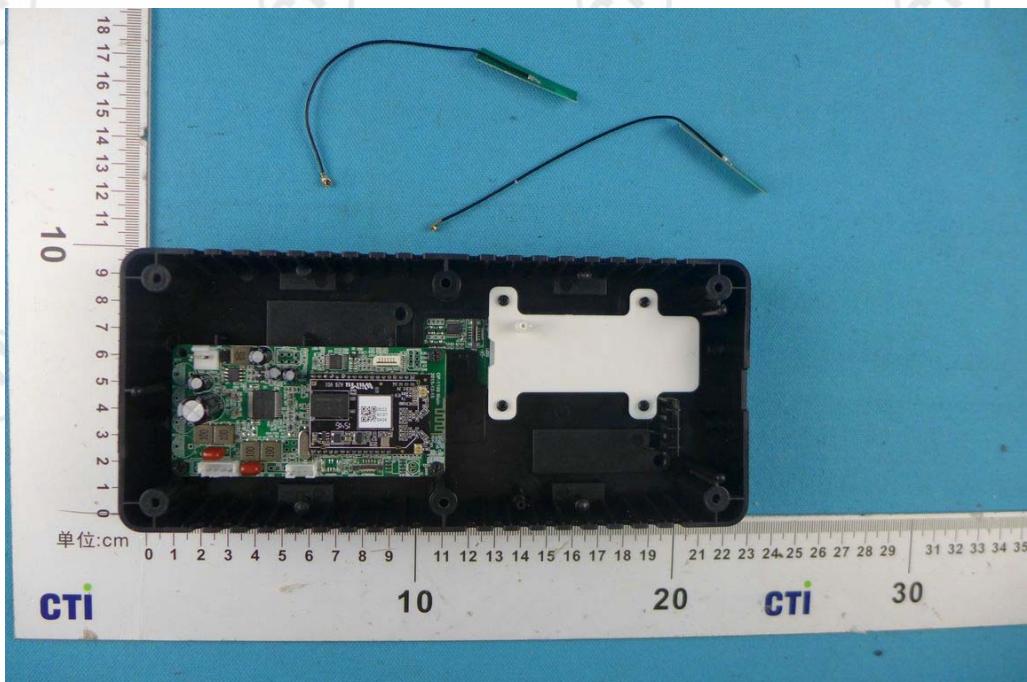
View of Product-19



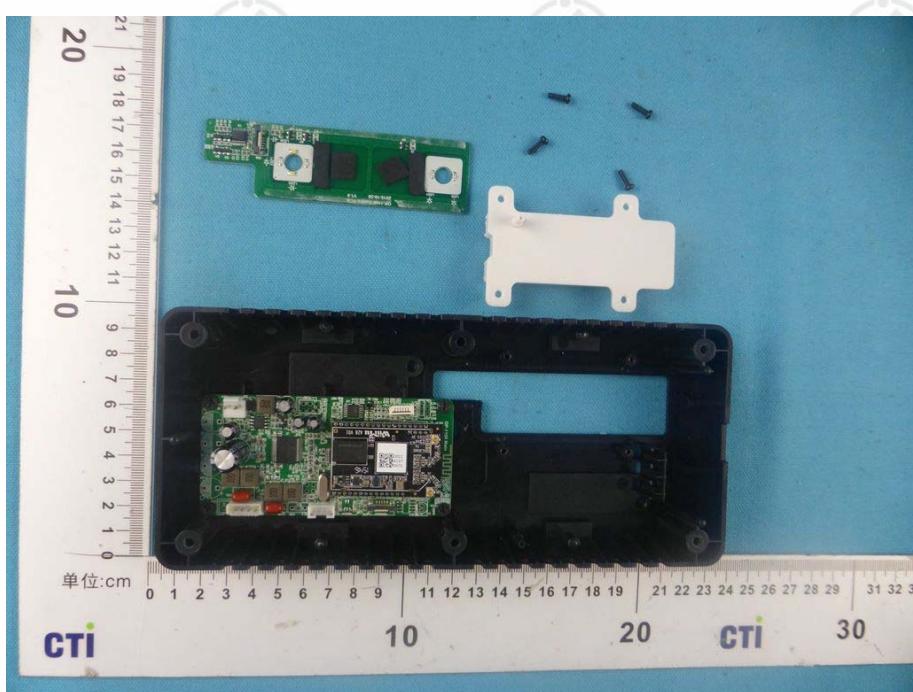
View of Product-20



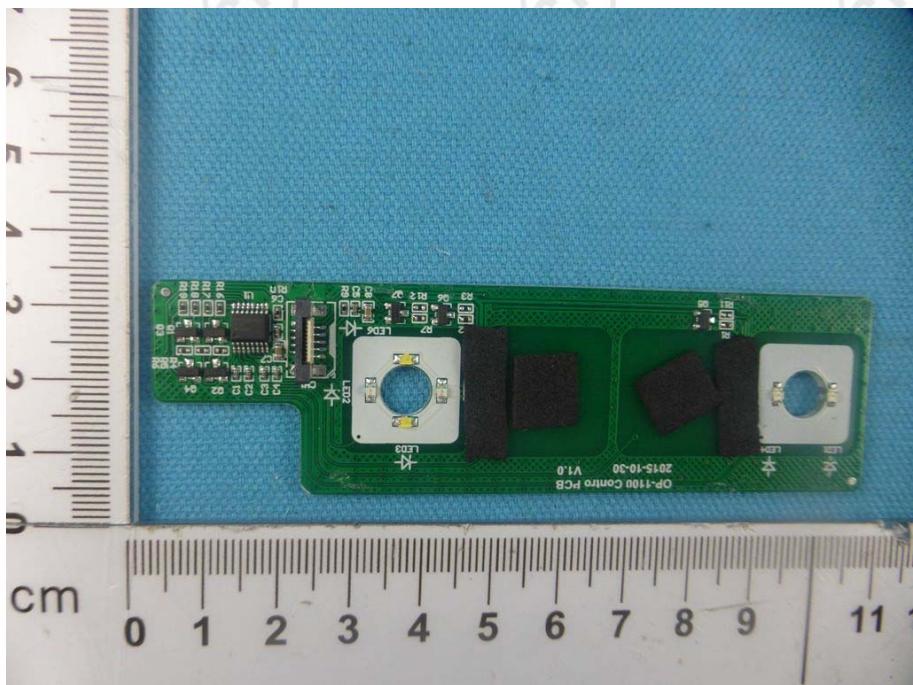
View of Product-21



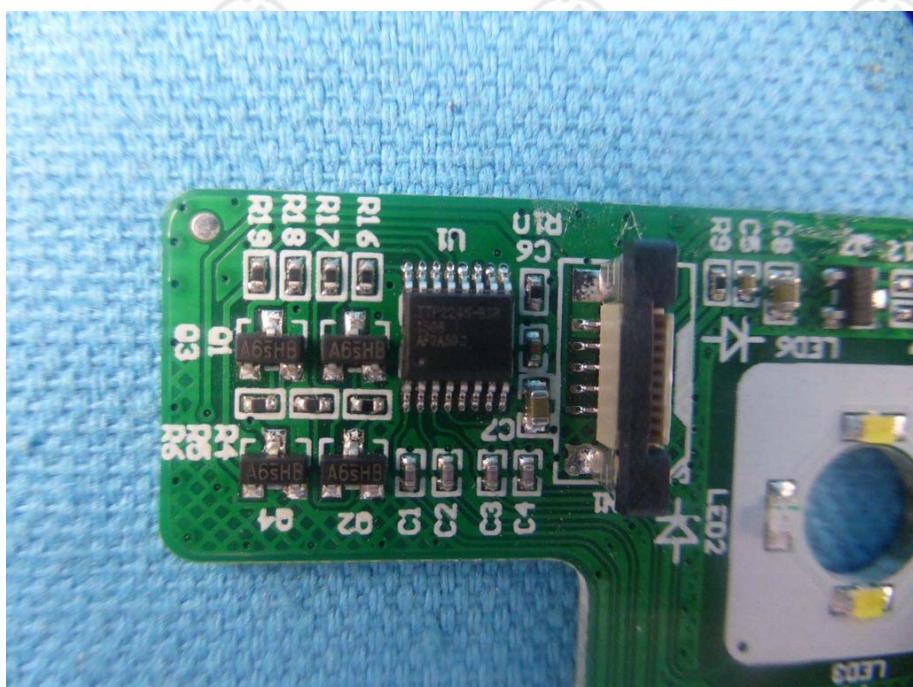
View of Product-22



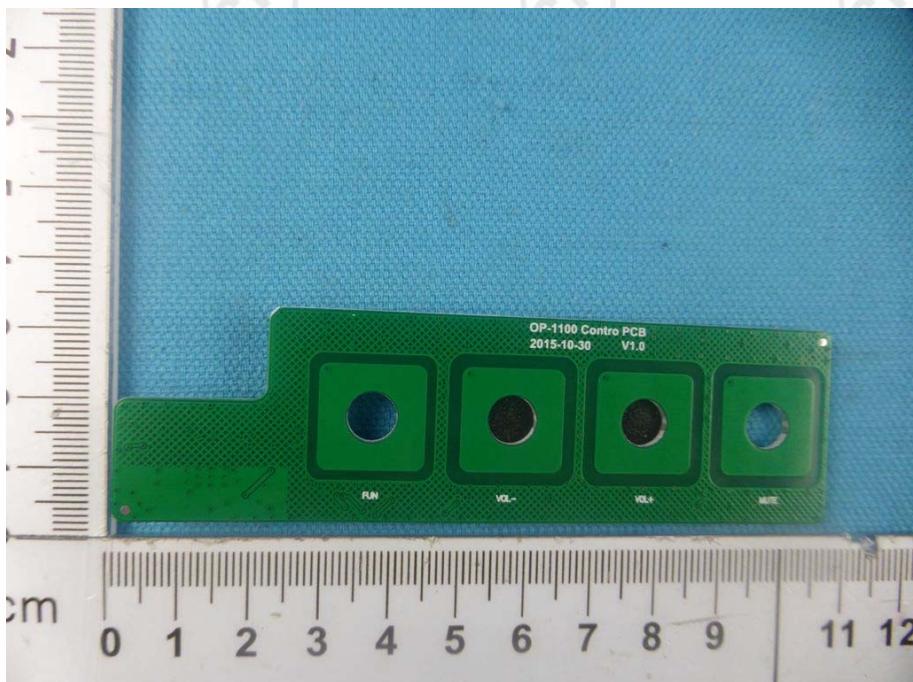
View of Product-23



View of Product-24



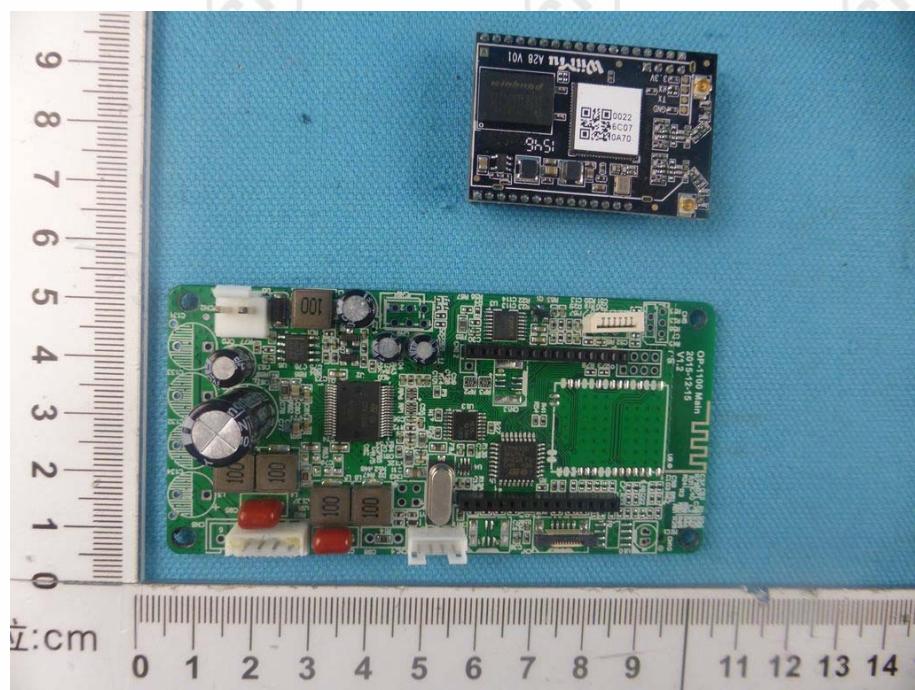
View of Product-25



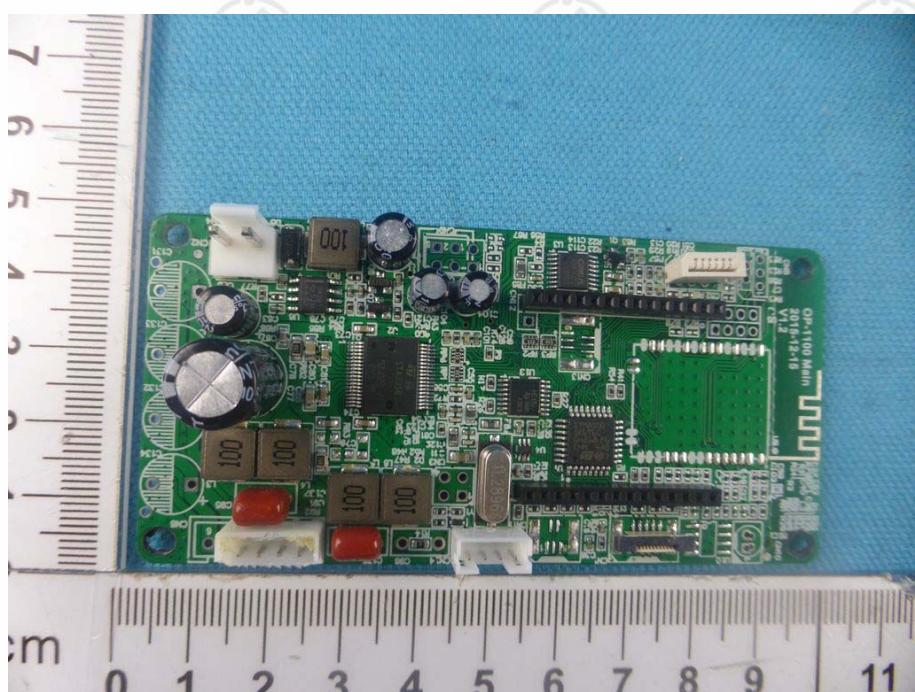
View of Product-26



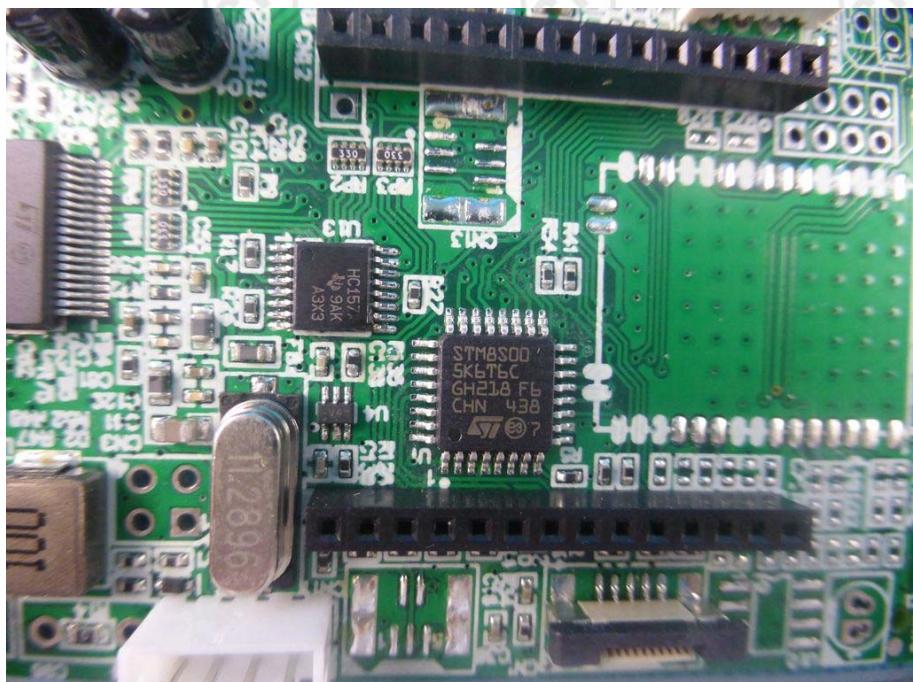
View of Product-27



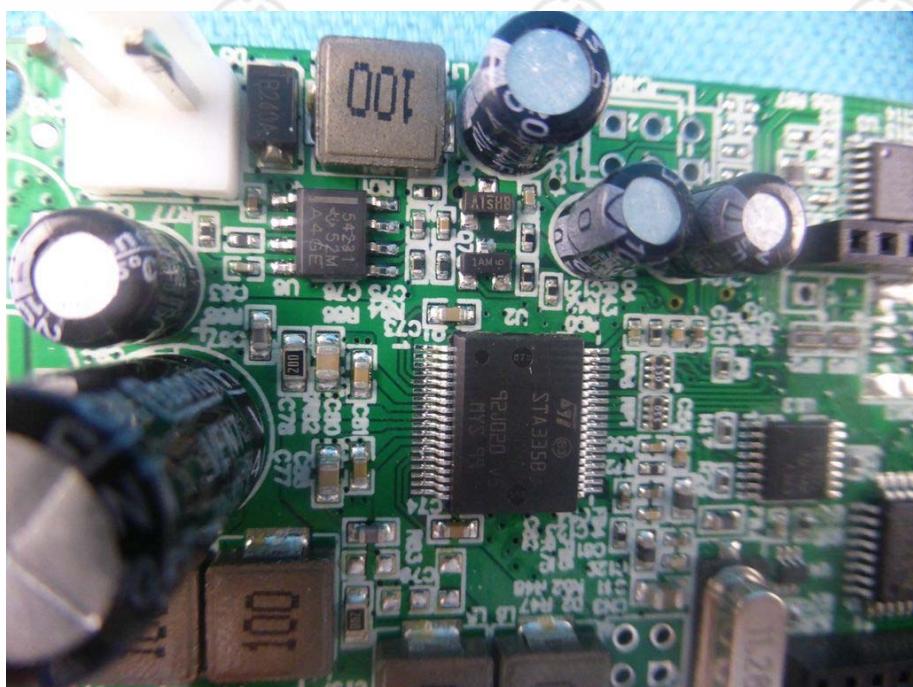
View of Product-28



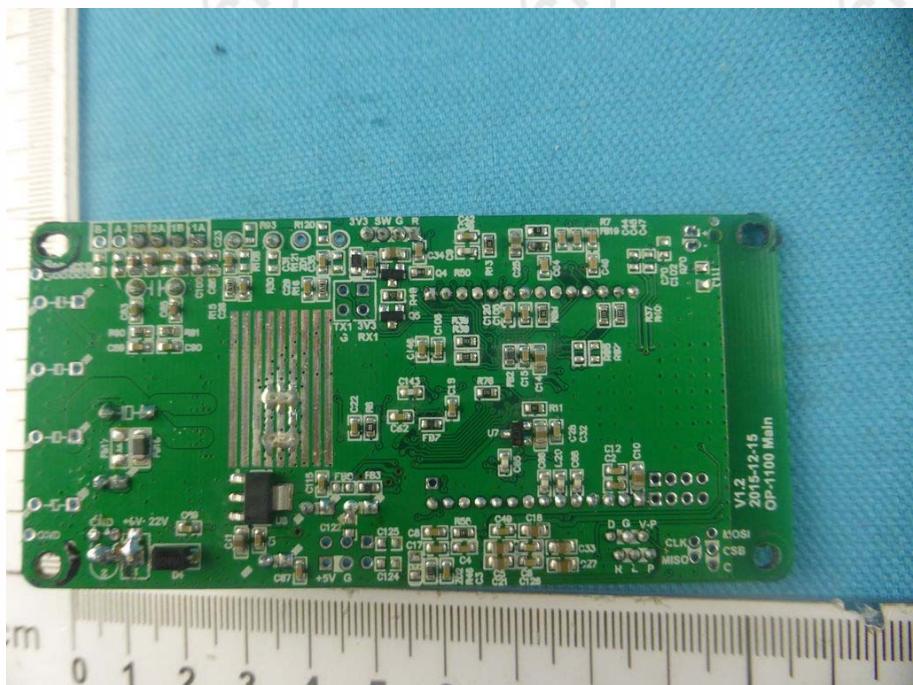
View of Product-29



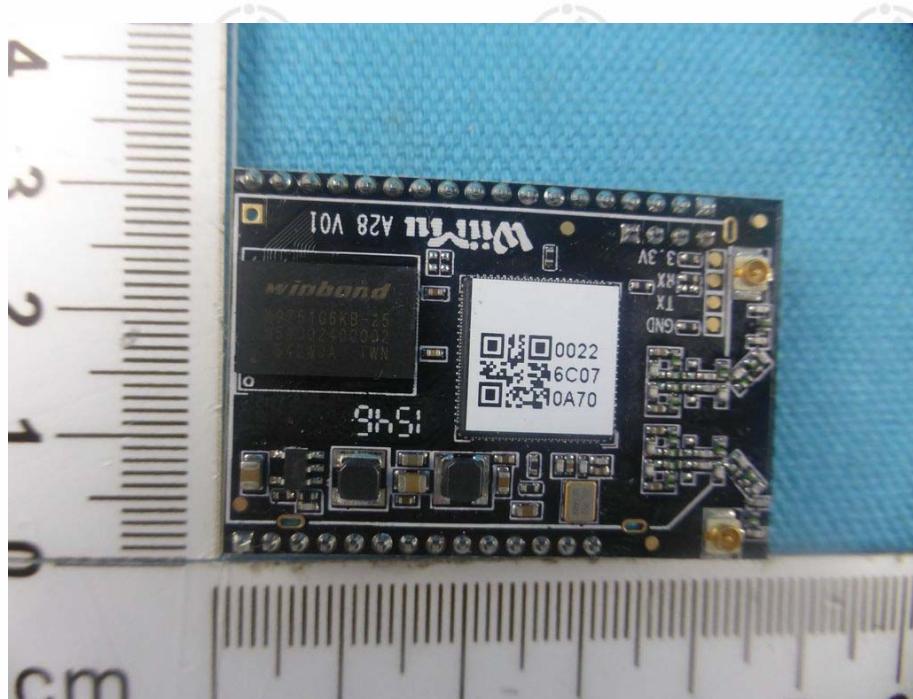
View of Product-30



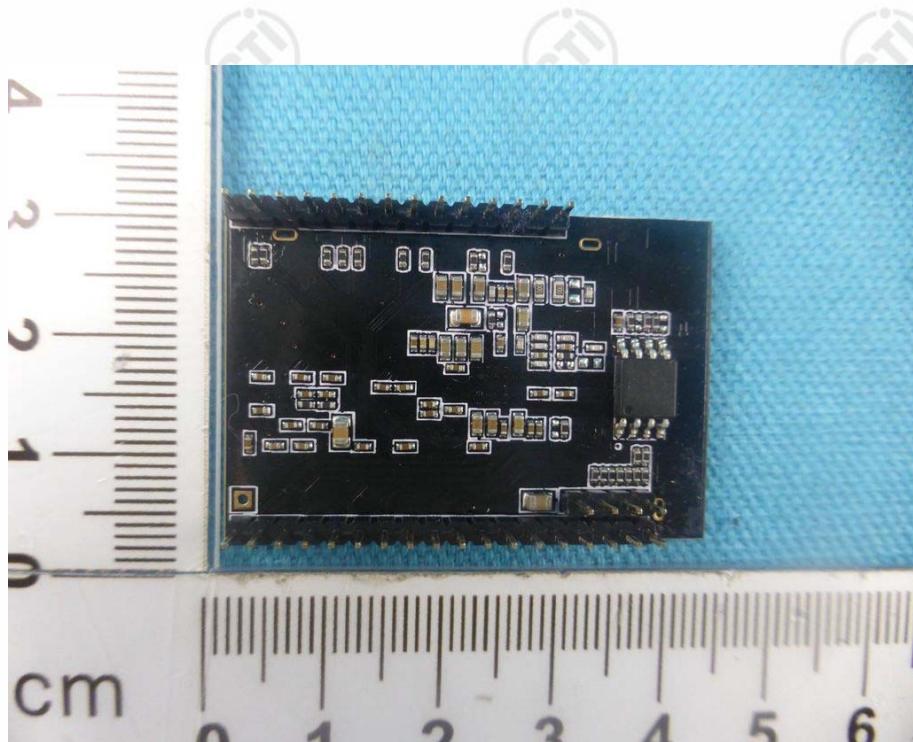
View of Product-31



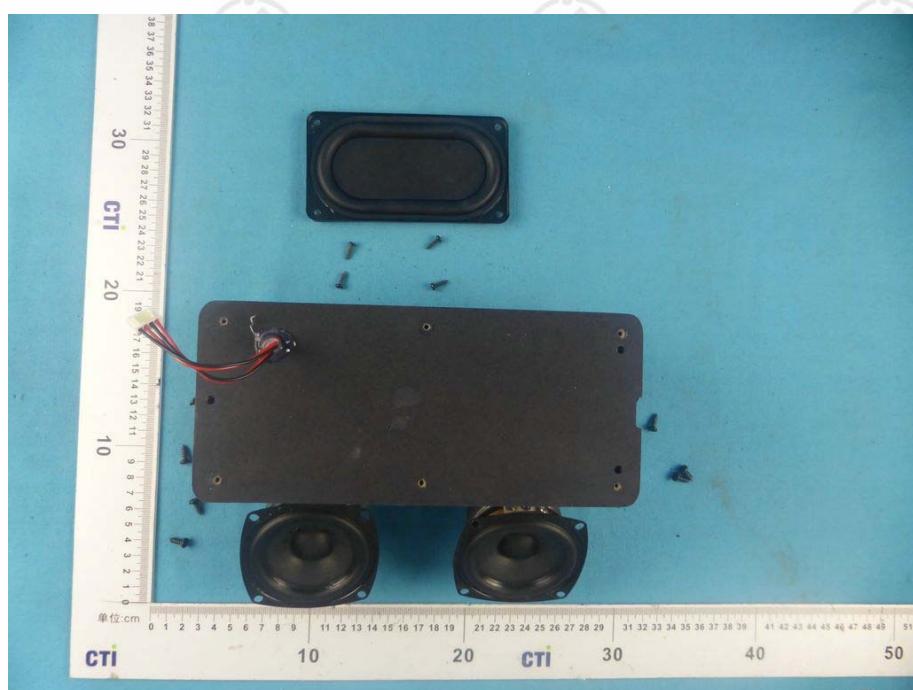
View of Product-32



View of Product-33



View of Product-34



View of Product-35



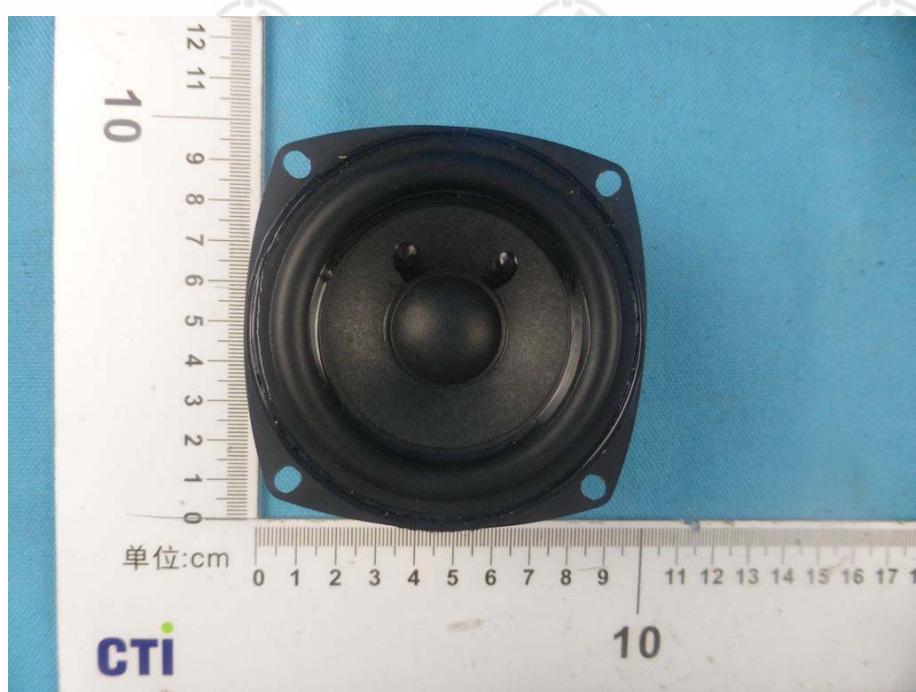
View of Product-36



View of Product-37



View of Product-38



View of Product-39



View of Product-40



View of Product-41



View of Product-42(Adapter)



View of Product-43(Adapter)



View of Product-44(Adapter)



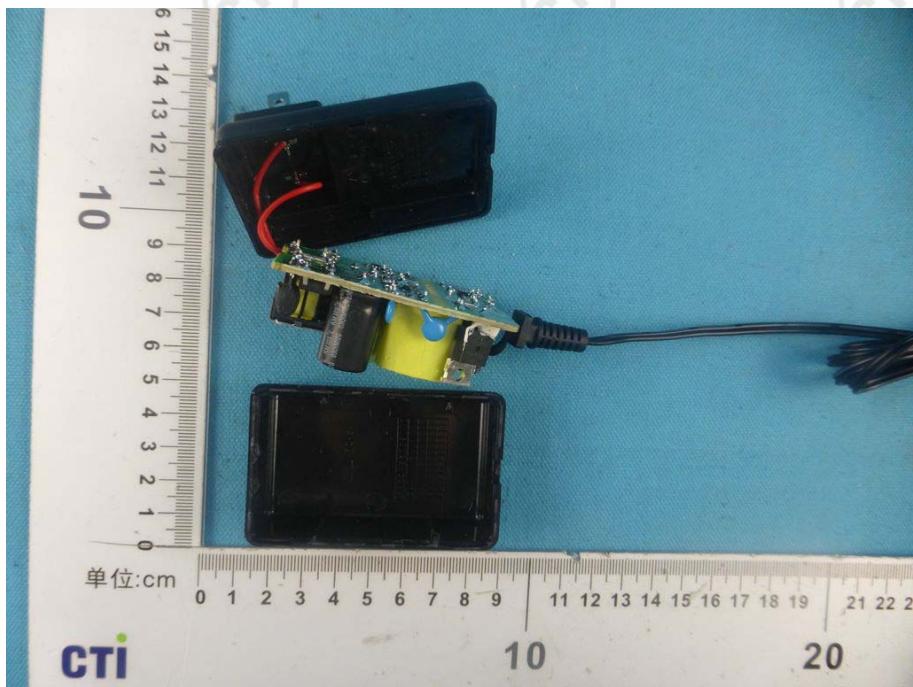
View of Product-45(Adapter)



View of Product-46(Adapter)



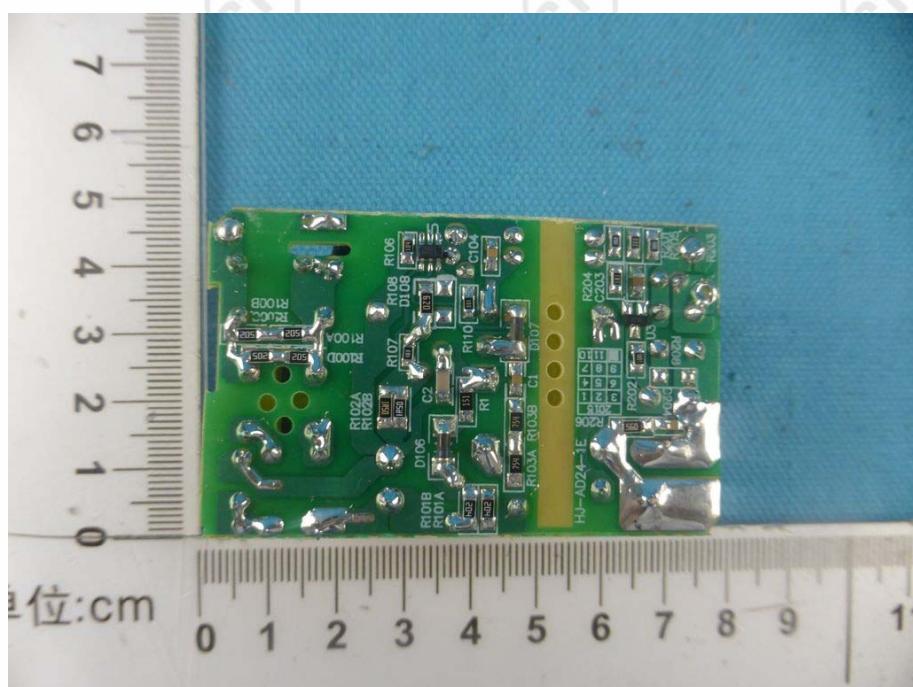
View of Product-47(Adapter)



View of Product-48(Adapter)



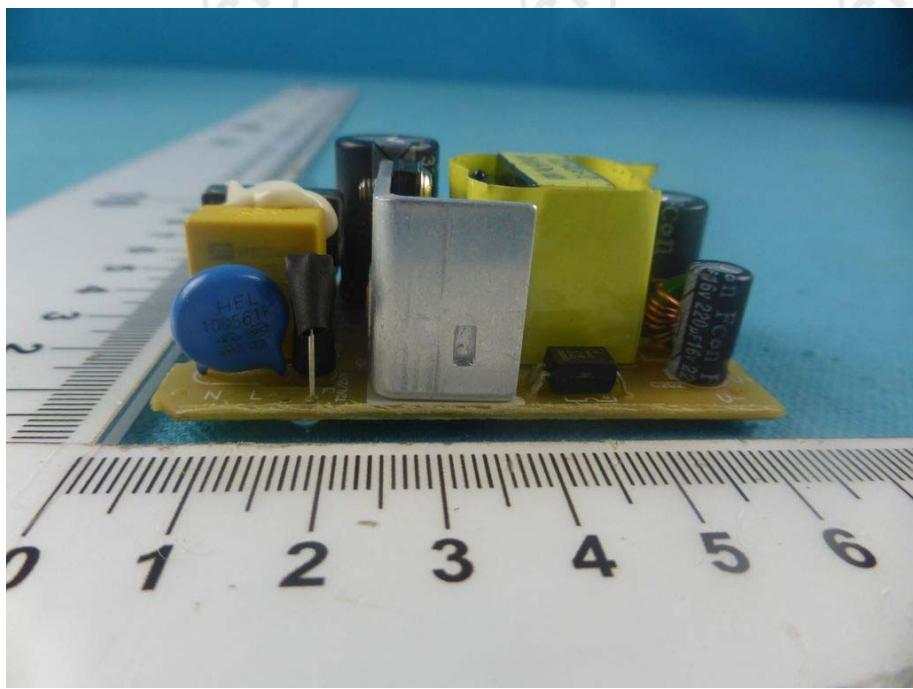
View of Product-49(Adapter)



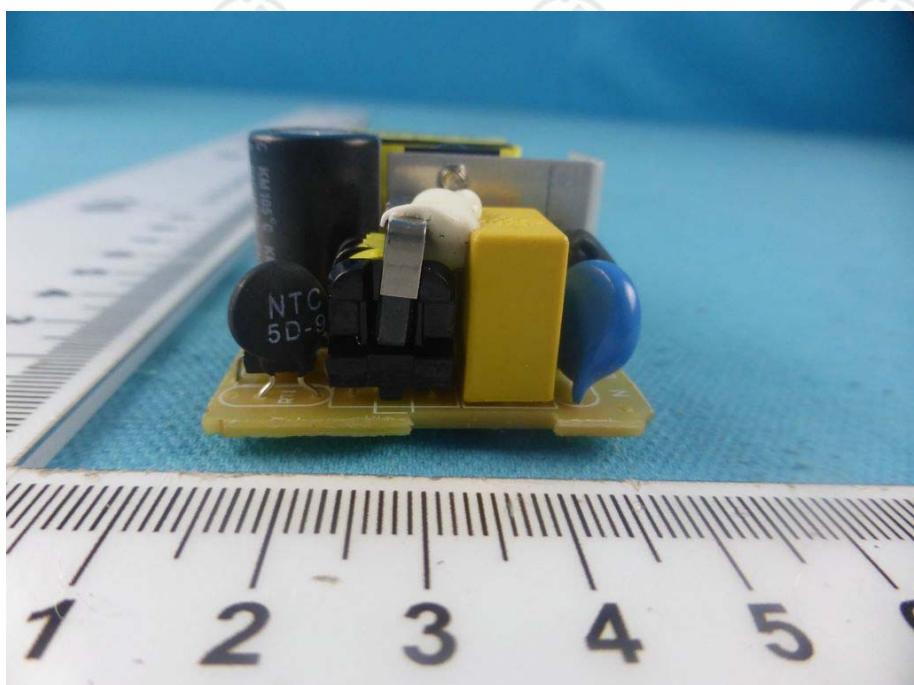
View of Product-50(Adapter)



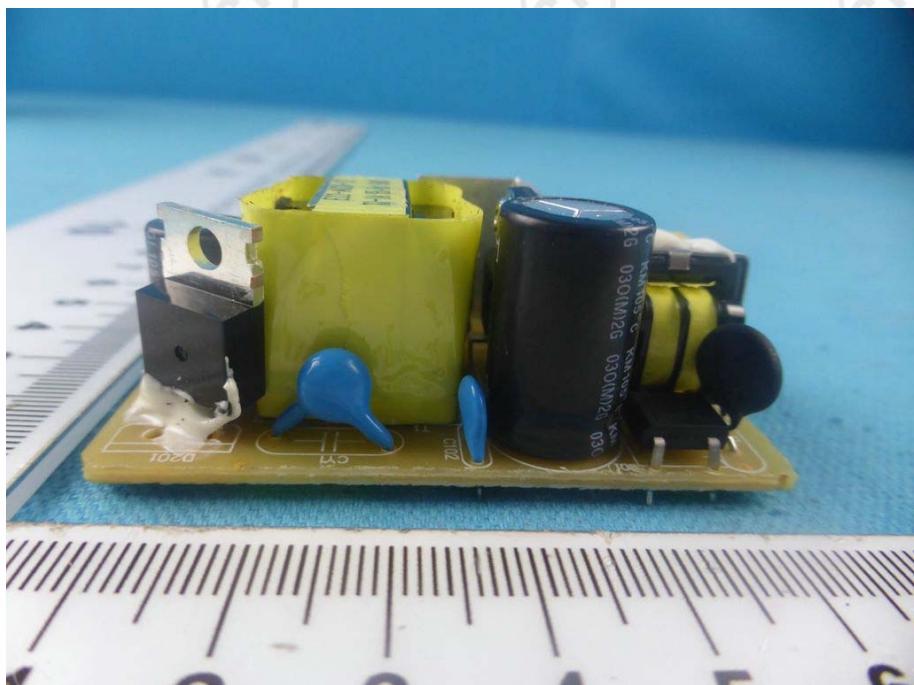
View of Product-51(Adapter)



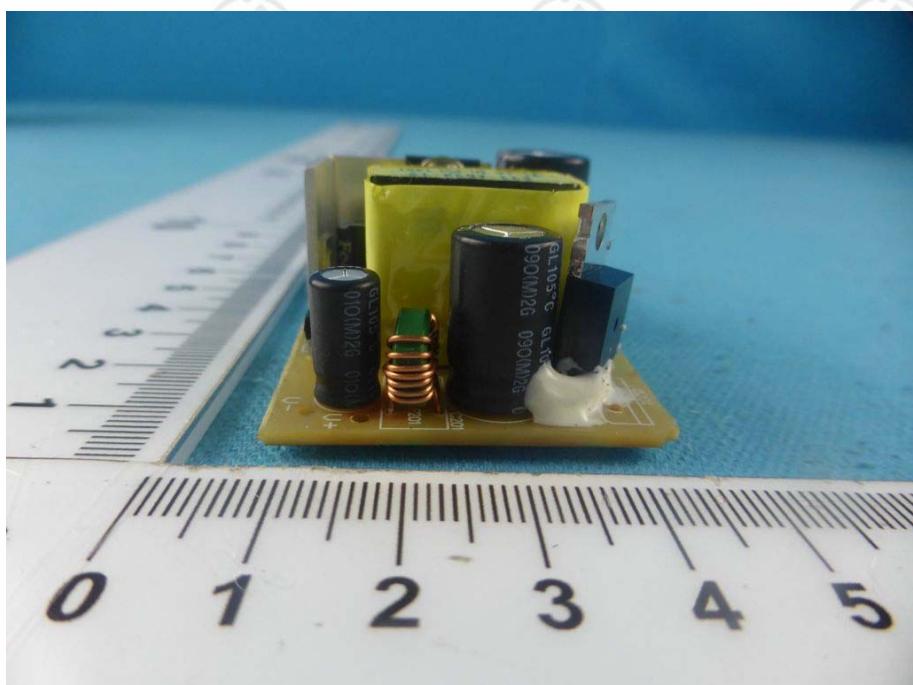
View of Product-52(Adapter)



View of Product-53(Adapter)



View of Product-54(Adapter)



View of Product-55(Adapter)

*** End of Report ***

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