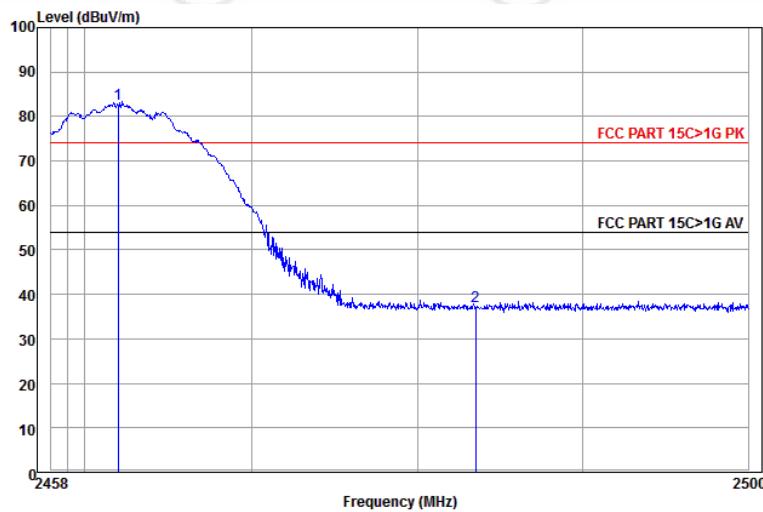
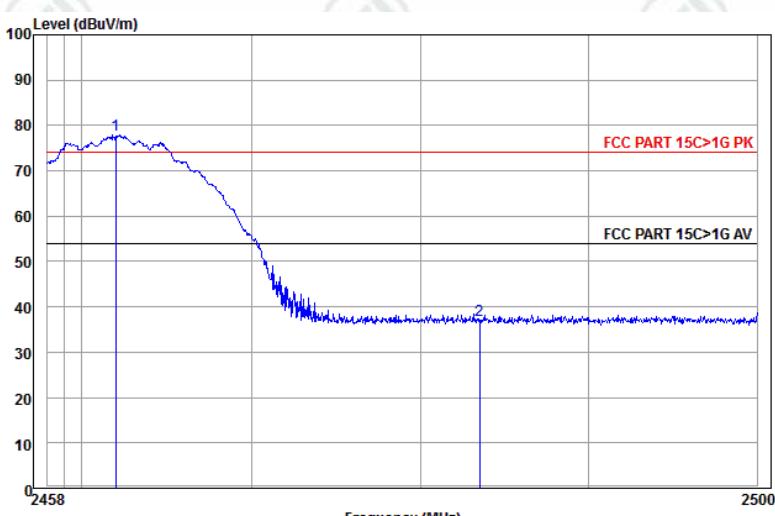


Worse case mode:	802.11b (11Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



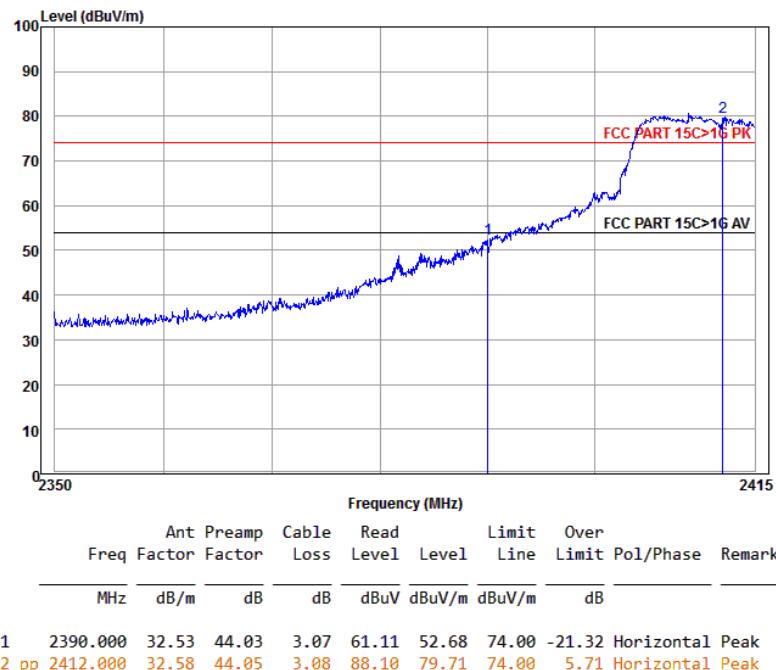
Freq	Ant Factor	Preampl Factor	Cable Loss	Read Level	Limit Level	Line Limit	Over Pol/Phase	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	32.67	44.12	3.11	91.12	82.78	74.00	8.78 Horizontal Peak
2	2483.500	32.71	44.14	3.12	45.66	37.35	74.00	-36.65 Horizontal Peak

Worse case mode:	802.11b (11Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak

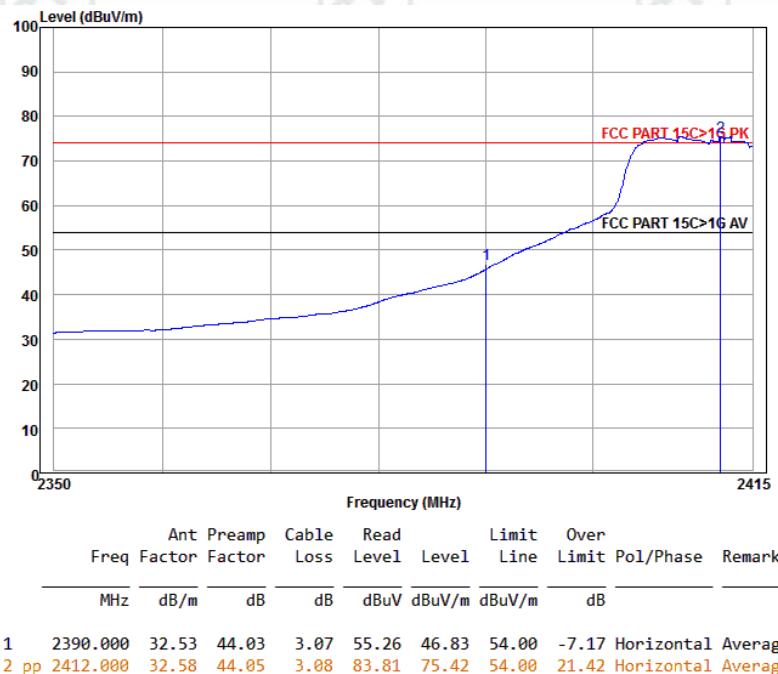


Freq	Ant Factor	Preampl Factor	Cable Loss	Read Level	Limit Level	Line Limit	Over Pol/Phase	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	32.67	44.12	3.11	86.23	77.89	74.00	3.89 Vertical Peak
2	2483.500	32.71	44.14	3.12	45.36	37.05	74.00	-36.95 Vertical Peak

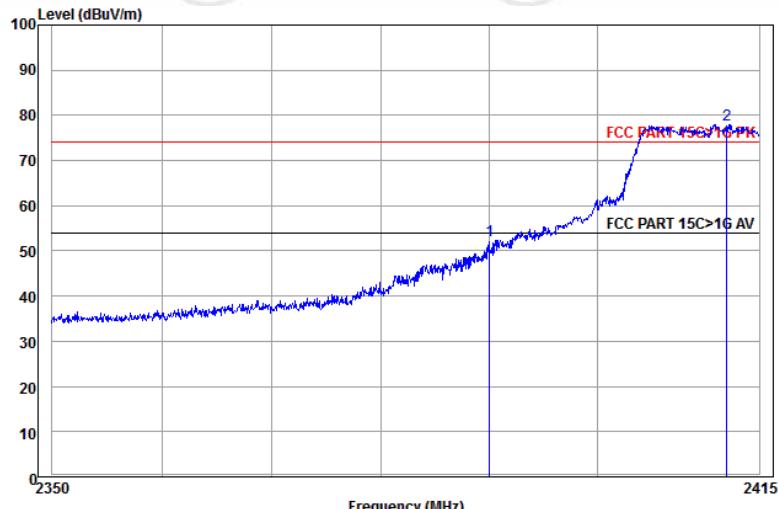
Worse case mode:	802.11g (6Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



Worse case mode:	802.11g (6Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Average

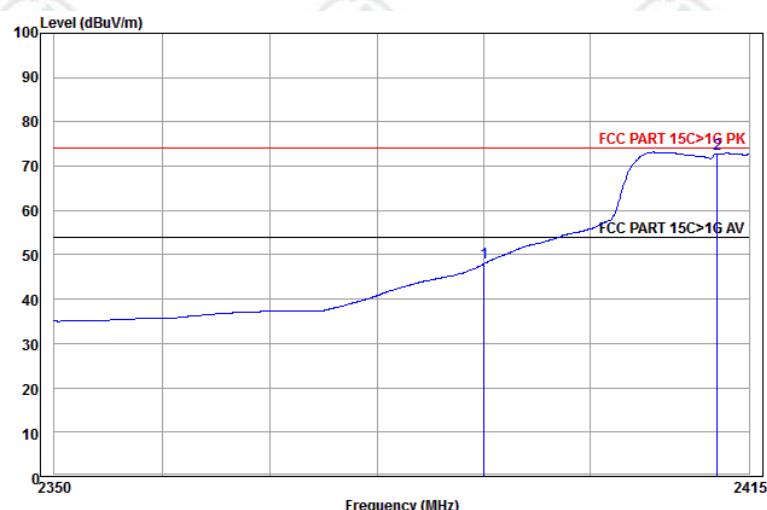


Worse case mode:	802.11g (6Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



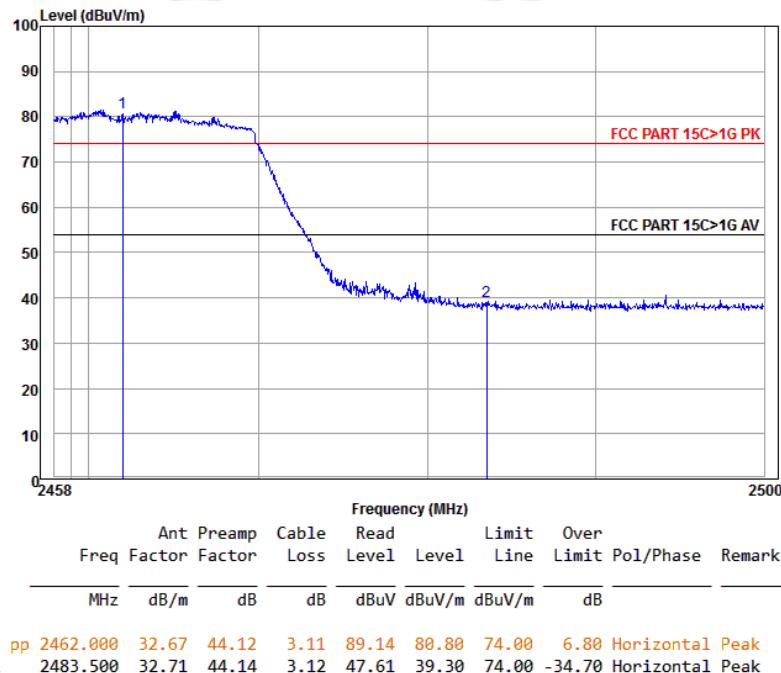
Freq	Ant Factor	Preamp Factor	Cable Loss	Read Level	Limit		Over Line Limit	Over Pol/Phase	Remark
					dB	dBuV/m			
1	2390.000	32.53	44.03	3.07	60.85	52.42	74.00	-21.58	Vertical Peak
2 pp	2412.000	32.58	44.05	3.08	86.30	77.91	74.00	3.91	Vertical Peak

Worse case mode:	802.11g (6Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Vertical	Remark: Average

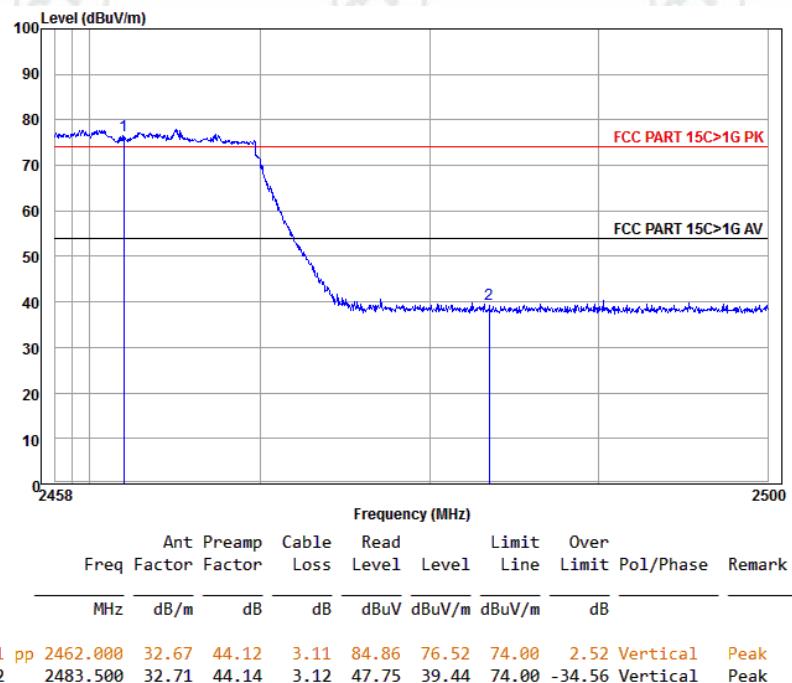


Freq	Ant Factor	Preamp Factor	Cable Loss	Read Level	Limit		Over Line Limit	Over Pol/Phase	Remark
					dB	dBuV/m			
1	2390.000	32.53	44.03	3.07	56.54	48.11	54.00	-5.89	Vertical Average
2 pp	2412.000	32.58	44.05	3.08	81.27	72.88	54.00	18.88	Vertical Average

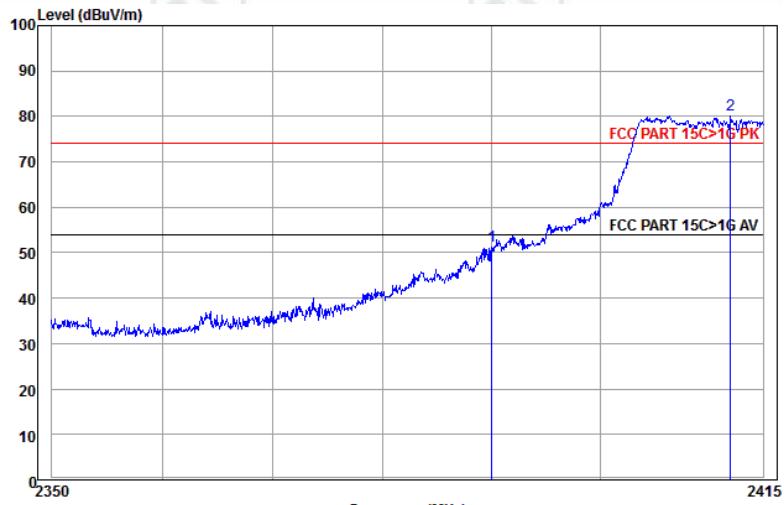
Worse case mode:	802.11g (6Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



Worse case mode:	802.11g (6Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak

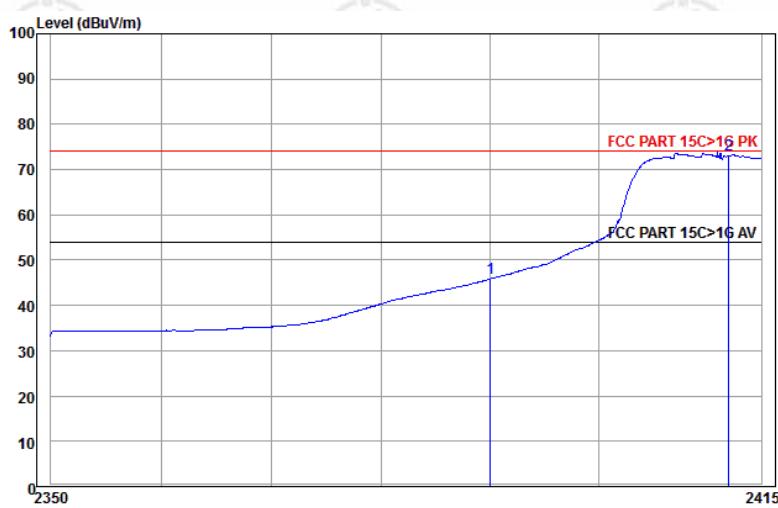


Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



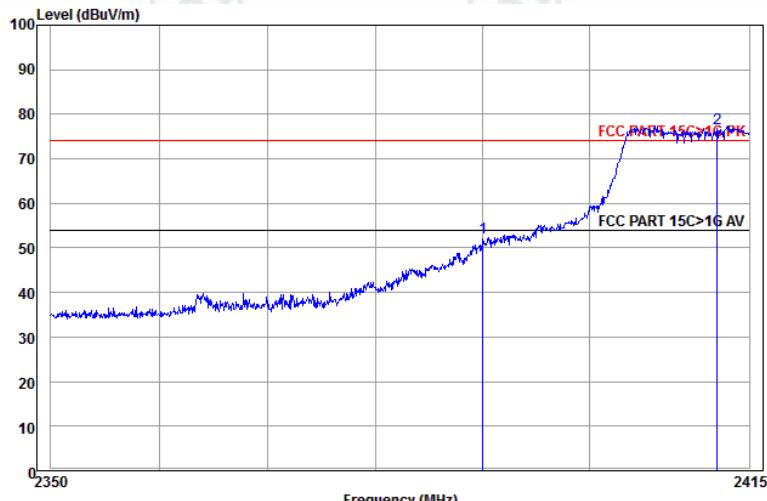
	Freq	Ant Factor	Preamp Factor	Cable Loss	Read Level	Limit Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	44.03	3.07	60.01	51.58	74.00	-22.42	Horizontal	Peak
2 pp	2412.000	32.58	44.05	3.08	88.75	80.36	74.00	6.36	Horizontal	Peak

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Average



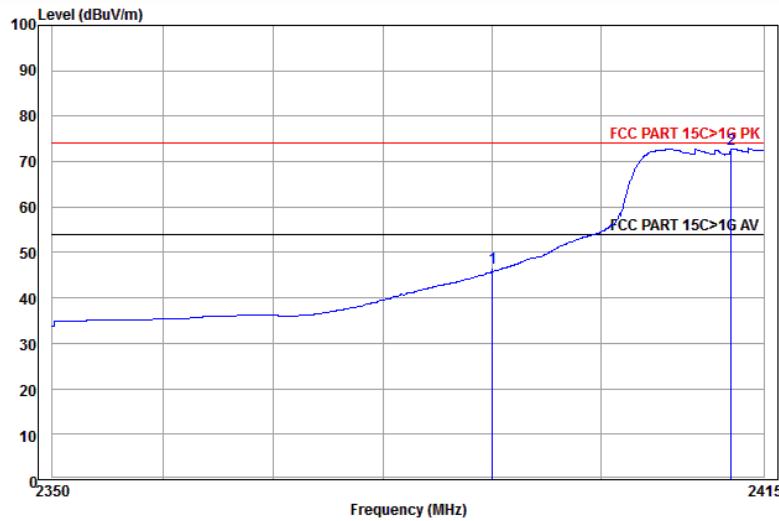
	Freq	Ant Factor	Preamp Factor	Cable Loss	Read Level	Limit Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	44.03	3.07	54.53	46.10	54.00	-7.90	Horizontal	Average
2 pp	2412.000	32.58	44.05	3.08	81.61	73.22	54.00	19.22	Horizontal	Average

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



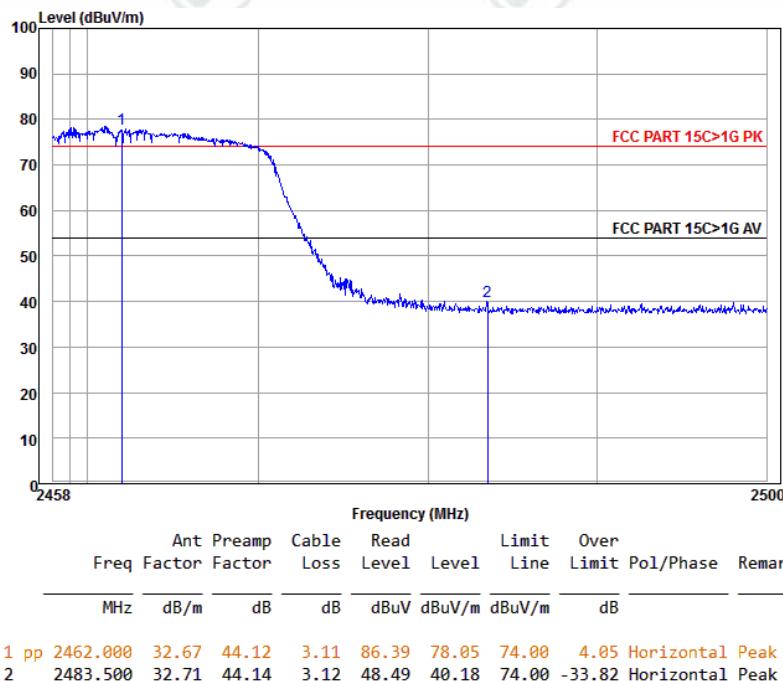
	Freq	Ant Factor	Preamplifier Factor	Cable Loss	Read Level	Limit Level	Over Line Limit	Over Pol/Phase	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	32.53	44.03	3.07	60.67	52.24	74.00	-21.76	Vertical Peak
2 pp	2412.000	32.58	44.05	3.08	85.17	76.78	74.00	2.78	Vertical Peak

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Vertical	Remark: Average

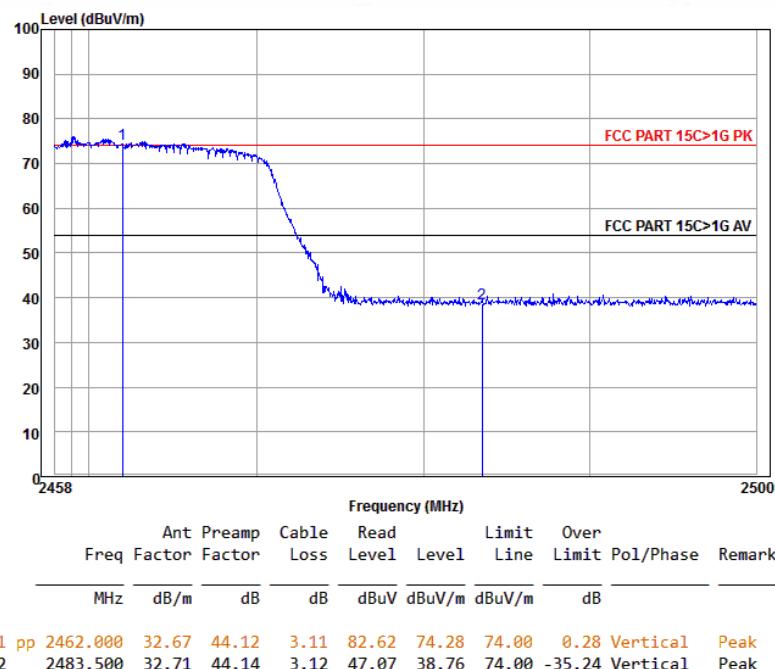


	Freq	Ant Factor	Preamplifier Factor	Cable Loss	Read Level	Limit Level	Over Line Limit	Over Pol/Phase	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	32.53	44.03	3.07	54.97	46.54	54.00	-7.46	Vertical Average
2 pp	2412.000	32.58	44.05	3.08	81.12	72.73	54.00	18.73	Vertical Average

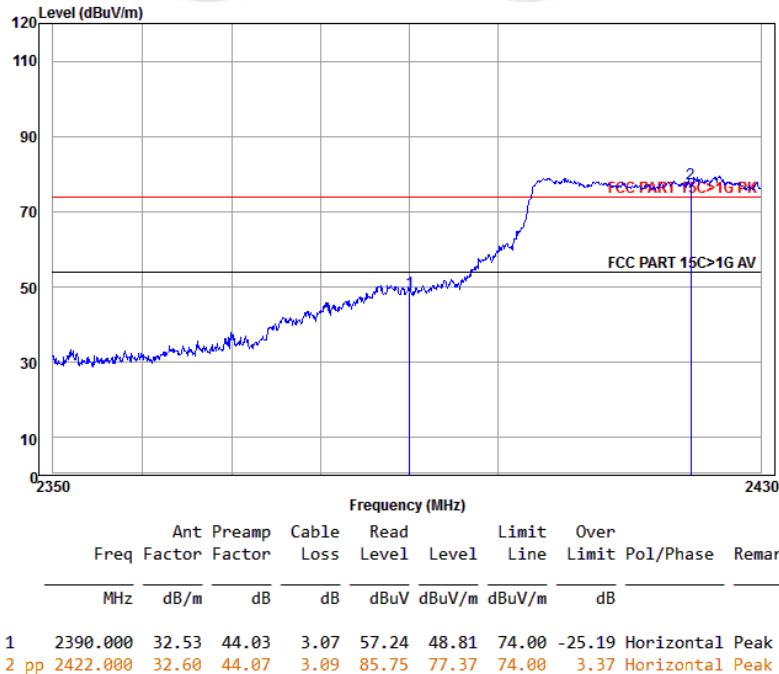
Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



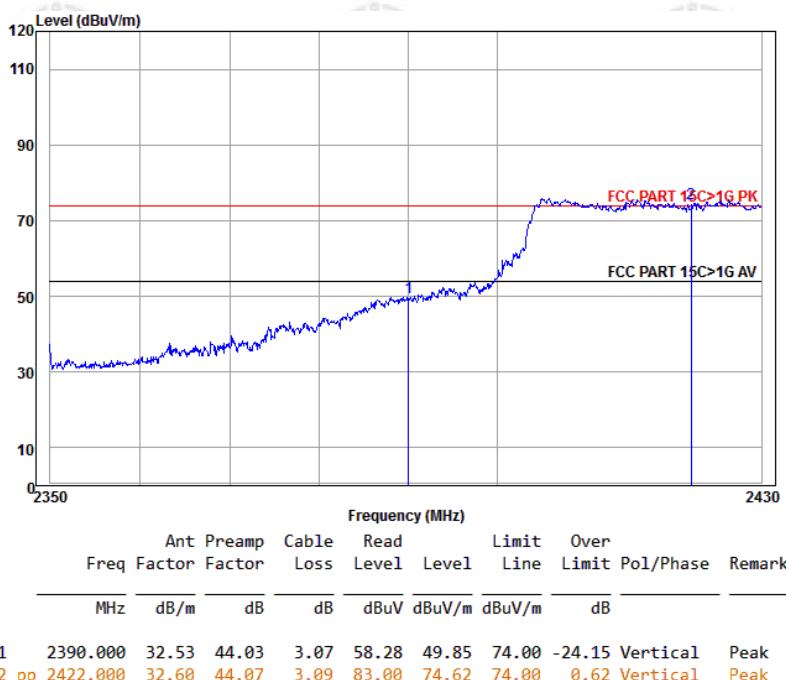
Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



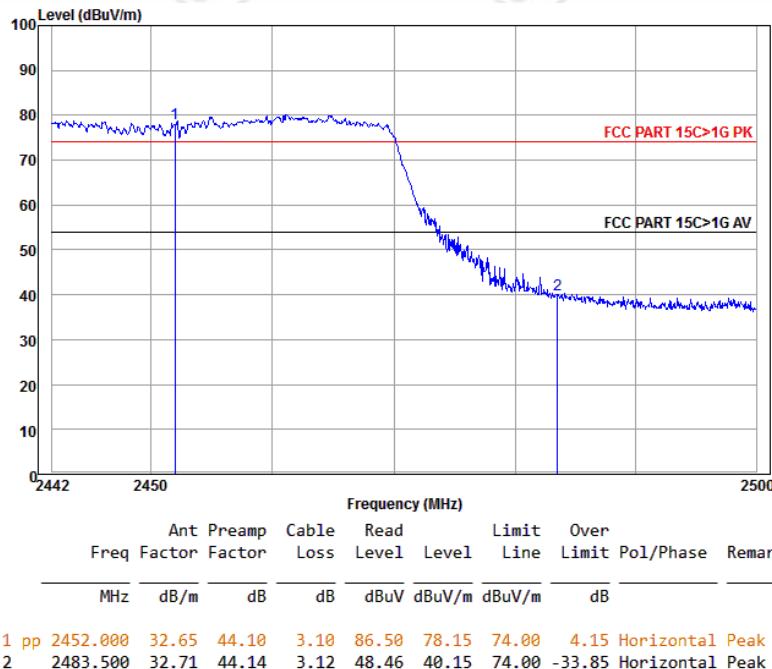
Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



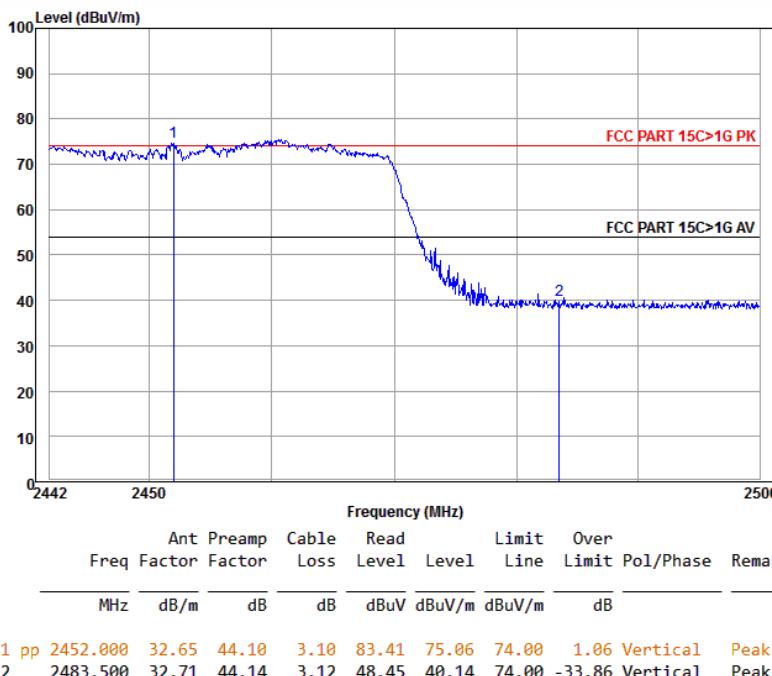
Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2390.0MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2483.5MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



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1) Through Pre-scan transmitter 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) , 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

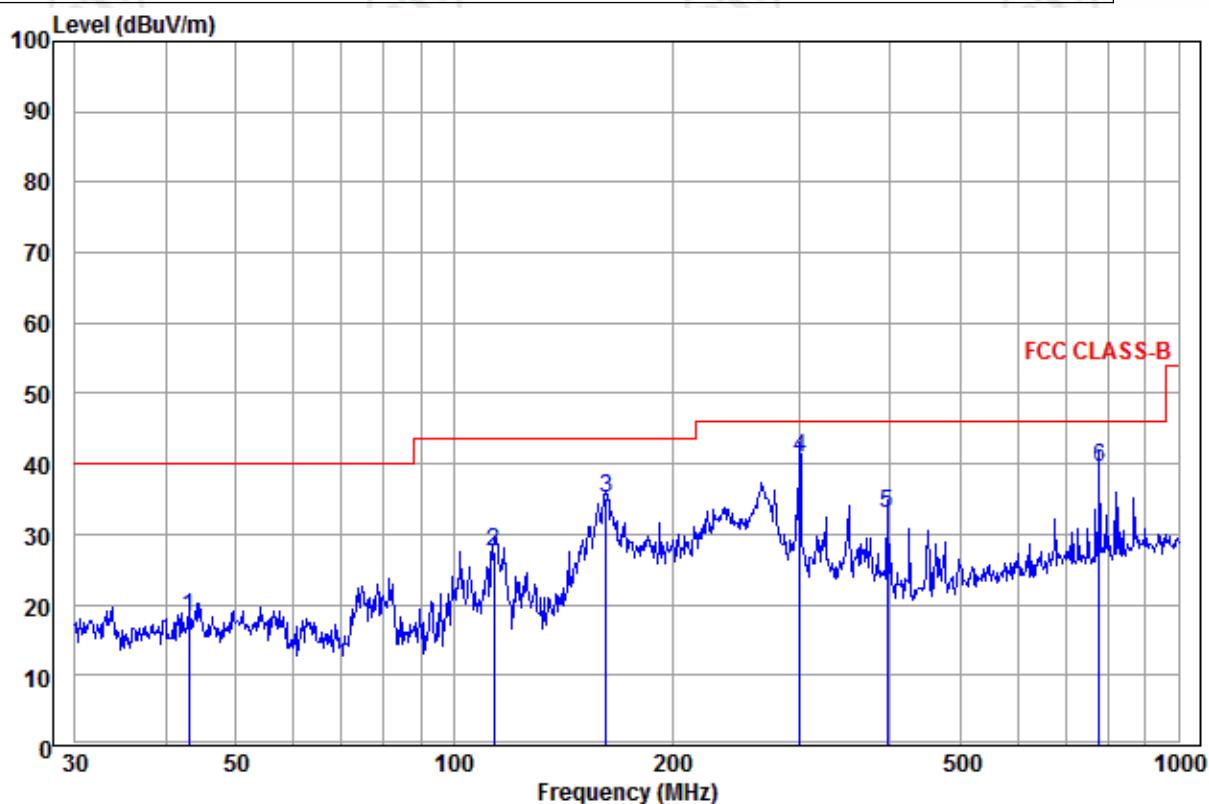


Appendix I): Radiated Spurious Emissions

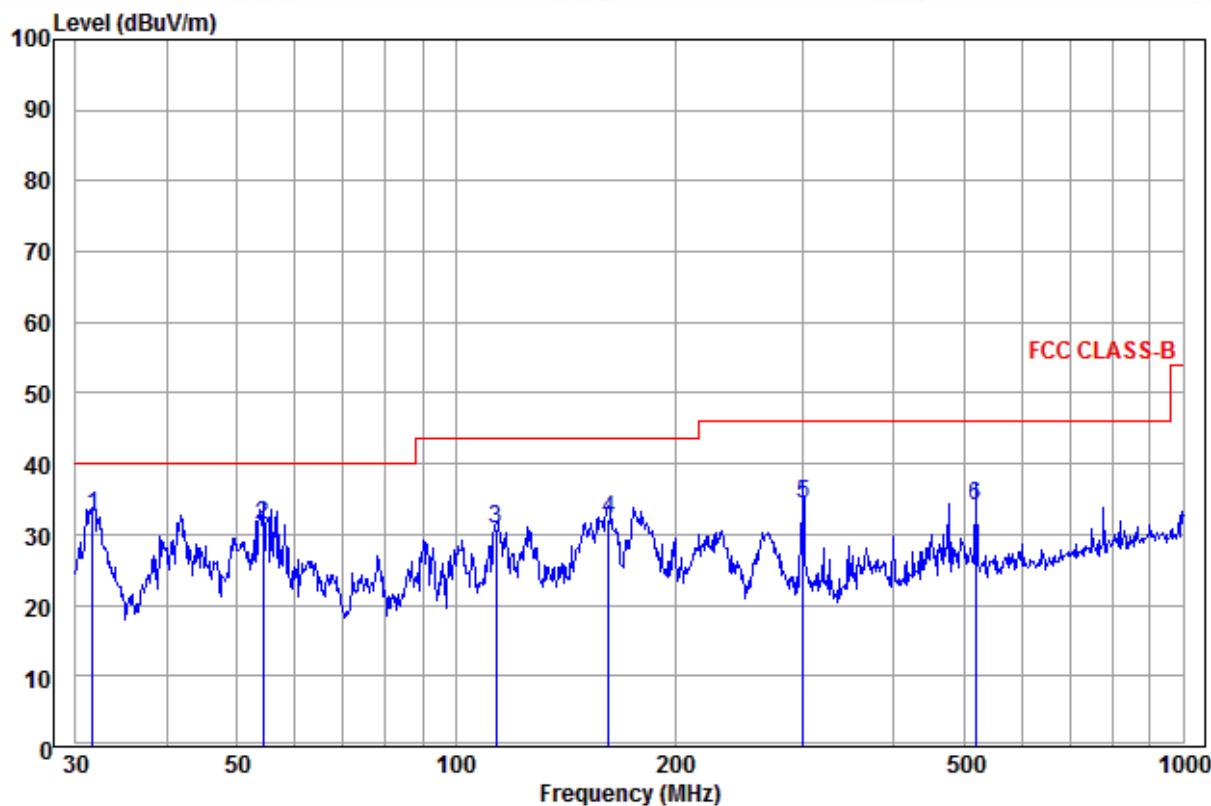
Receiver Setup:		Frequency	Detector	RBW	VBW	Remark					
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak							
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average							
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak							
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak							
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average							
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak							
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak							
Above 1GHz	Peak	1MHz	3MHz	Peak							
	Peak	1MHz	10Hz	Average							
Test Procedure:											
Below 1GHz test procedure as below:											
a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.											
Above 1GHz test procedure as below:											
g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).. h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete.											
Limit:		Frequency	Field strength (microvolt/meter)	Limit (dB μ V/m)	Remark	Measurement distance (m)					
Limit:	0.009MHz-0.490MHz	2400/F(kHz)	-	-		300					
	0.490MHz-1.705MHz	24000/F(kHz)	-	-		30					
	1.705MHz-30MHz	30	-	-		30					
	30MHz-88MHz	100	40.0	Quasi-peak		3					
	88MHz-216MHz	150	43.5	Quasi-peak		3					
	216MHz-960MHz	200	46.0	Quasi-peak		3					
	960MHz-1GHz	500	54.0	Quasi-peak		3					
	Above 1GHz	500	54.0	Average		3					
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.										

Radiated Spurious Emissions test Data: Radiated Emission below 1GHz

30MHz~1GHz (QP)



Freq	Ant Factor	Cable Loss	Read Level	Limit		Over Line Limit	Over Pol/Phase	Remark
				MHz	dB/m	dB	dBuV	dBuV/m
1	43.050	12.70	0.07	5.37	18.14	40.00	-21.86	Horizontal QP
2	113.714	10.05	0.60	16.95	27.60	43.50	-15.90	Horizontal QP
3	162.041	8.66	0.74	25.77	35.17	43.50	-8.33	Horizontal QP
4 pp	300.367	13.51	1.07	26.36	40.94	46.00	-5.06	Horizontal QP
5	396.242	15.43	1.32	16.09	32.84	46.00	-13.16	Horizontal QP
6	776.878	20.49	2.48	16.63	39.60	46.00	-6.40	Horizontal QP



Transmitter Emission above 1GHz

Test mode: 802.11b(11Mbps)			Test Frequency: 2412MHz			Remark: Peak			
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
1336.682	30.54	2.07	44.20	45.64	34.05	74.00	-39.95	Pass	Horizontal
2995.538	33.59	3.36	44.70	46.61	38.86	74.00	-35.14	Pass	Horizontal
4824.000	34.73	6.02	44.60	43.12	39.27	74.00	-34.73	Pass	Horizontal
7236.000	36.42	6.94	44.80	44.18	42.74	74.00	-31.26	Pass	Horizontal
9648.000	37.93	7.01	45.57	46.64	46.01	74.00	-27.99	Pass	Horizontal
11692.920	39.51	10.46	44.87	43.55	48.65	74.00	-25.35	Pass	Horizontal
1476.193	30.82	2.26	44.03	48.14	37.19	74.00	-36.81	Pass	Vertical
3003.173	33.60	3.36	44.70	50.37	42.63	74.00	-31.37	Pass	Vertical
4824.000	34.73	6.02	44.60	44.10	40.25	74.00	-33.75	Pass	Vertical
7236.000	36.42	6.94	44.80	44.27	42.83	74.00	-31.17	Pass	Vertical
9648.000	37.93	7.01	45.57	44.71	44.08	74.00	-29.92	Pass	Vertical
11994.380	39.60	10.88	44.90	43.32	48.90	74.00	-25.10	Pass	Vertical

Test mode: 802.11b(11Mbps)			Test Frequency: 2437MHz			Remark: Peak			
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
1263.883	30.38	1.96	44.29	45.66	33.71	74.00	-40.29	Pass	Horizontal
3192.366	33.43	3.54	44.68	46.02	38.31	74.00	-35.69	Pass	Horizontal
4874.000	34.84	6.12	44.60	47.29	43.65	74.00	-30.35	Pass	Horizontal
7311.000	36.43	6.86	44.86	43.83	42.26	74.00	-31.74	Pass	Horizontal
9748.000	38.03	7.10	45.55	43.98	43.56	74.00	-30.44	Pass	Horizontal
11633.540	39.49	10.37	44.86	44.46	49.46	74.00	-24.54	Pass	Horizontal
1176.935	30.17	1.82	44.42	45.37	32.94	74.00	-41.06	Pass	Vertical
3003.173	33.60	3.36	44.70	48.39	40.65	74.00	-33.35	Pass	Vertical
4874.000	34.84	6.12	44.60	45.80	42.16	74.00	-31.84	Pass	Vertical
7311.000	36.43	6.86	44.86	44.34	42.77	74.00	-31.23	Pass	Vertical
9748.000	38.03	7.10	45.55	43.78	43.36	74.00	-30.64	Pass	Vertical
12024.960	39.59	10.88	44.89	43.16	48.74	74.00	-25.26	Pass	Vertical

Test mode: 802.11b(11Mbps)			Test Frequency: 2462MHz			Remark: Peak			
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
1495.101	30.86	2.28	44.00	46.46	35.60	74.00	-38.40	Pass	Horizontal
3192.366	33.43	3.54	44.68	46.94	39.23	74.00	-34.77	Pass	Horizontal
4924.000	34.94	6.22	44.60	49.32	45.88	74.00	-28.12	Pass	Horizontal
7386.000	36.44	6.78	44.92	43.88	42.18	74.00	-31.82	Pass	Horizontal
9848.000	38.14	7.19	45.53	45.51	45.31	74.00	-28.69	Pass	Horizontal
12148.020	39.55	10.83	44.85	44.05	49.58	74.00	-24.42	Pass	Horizontal
1818.842	31.43	2.66	43.66	45.71	36.14	74.00	-37.86	Pass	Vertical
3653.463	33.05	3.93	44.63	44.83	37.18	74.00	-36.82	Pass	Vertical
4924.000	34.94	6.22	44.60	51.47	48.03	74.00	-25.97	Pass	Vertical
7386.000	36.44	6.78	44.92	44.23	42.53	74.00	-31.47	Pass	Vertical
9848.000	38.14	7.19	45.53	43.76	43.56	74.00	-30.44	Pass	Vertical
12024.960	39.59	10.88	44.89	43.87	49.45	74.00	-24.55	Pass	Vertical

Test mode: 802.11g(6Mbps)			Test Frequency: 2412MHz			Remark: Peak			
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
1112.837	30.01	1.72	44.51	46.40	33.62	74.00	-40.38	Pass	Horizontal
3192.366	33.43	3.54	44.68	45.87	38.16	74.00	-35.84	Pass	Horizontal
4824.000	34.73	6.02	44.60	49.98	46.13	74.00	-27.87	Pass	Horizontal
7236.000	36.42	6.94	44.80	43.51	42.07	74.00	-31.93	Pass	Horizontal
9648.000	37.93	7.01	45.57	44.38	43.75	74.00	-30.25	Pass	Horizontal
11872.880	39.56	10.71	44.89	44.73	50.11	74.00	-23.89	Pass	Horizontal
1506.563	30.88	2.30	43.99	44.14	33.33	74.00	-40.67	Pass	Vertical
3249.760	33.38	3.59	44.67	43.55	35.85	74.00	-38.15	Pass	Vertical
4824.000	34.73	6.02	44.60	47.36	43.51	74.00	-30.49	Pass	Vertical
7236.000	36.42	6.94	44.80	43.01	41.57	74.00	-32.43	Pass	Vertical
9648.000	37.93	7.01	45.57	42.54	41.91	74.00	-32.09	Pass	Vertical
11933.470	39.58	10.80	44.89	41.76	47.25	74.00	-26.75	Pass	Vertical

Test mode: 802.11g(6Mbps)			Test Frequency: 2437MHz			Remark: Peak			
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
1367.659	30.60	2.11	44.16	46.01	34.56	74.00	-39.44	Pass	Horizontal
3143.979	33.47	3.50	44.68	45.99	38.28	74.00	-35.72	Pass	Horizontal
4874.000	34.84	6.12	44.60	49.73	46.09	74.00	-27.91	Pass	Horizontal
7311.000	36.43	6.86	44.86	44.43	42.86	74.00	-31.14	Pass	Horizontal
9748.000	38.03	7.10	45.55	43.69	43.27	74.00	-30.73	Pass	Horizontal
11903.140	39.57	10.75	44.89	44.24	49.67	74.00	-24.33	Pass	Horizontal
1159.096	30.13	1.79	44.44	46.25	33.73	74.00	-40.27	Pass	Vertical
3049.394	33.55	3.41	44.69	45.79	38.06	74.00	-35.94	Pass	Vertical
4874.000	34.84	6.12	44.60	49.60	45.96	74.00	-28.04	Pass	Vertical
7311.000	36.43	6.86	44.86	43.70	42.13	74.00	-31.87	Pass	Vertical
9748.000	38.03	7.10	45.55	43.37	42.95	74.00	-31.05	Pass	Vertical
11994.380	39.60	10.88	44.90	43.75	49.33	74.00	-24.67	Pass	Vertical

Test mode: 802.11g(6Mbps)			Test Frequency: 2462MHz			Remark: Peak			
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
1502.732	30.88	2.29	43.99	46.12	35.30	74.00	-38.70	Pass	Horizontal
3200.502	33.42	3.55	44.68	47.71	40.00	74.00	-34.00	Pass	Horizontal
4924.000	34.94	6.22	44.60	49.83	46.39	74.00	-27.61	Pass	Horizontal
7386.000	36.44	6.78	44.92	44.00	42.30	74.00	-31.70	Pass	Horizontal
9848.000	38.14	7.19	45.53	44.07	43.87	74.00	-30.13	Pass	Horizontal
12024.960	39.59	10.88	44.89	43.50	49.08	74.00	-24.92	Pass	Horizontal
1371.145	30.61	2.12	44.15	45.80	34.38	74.00	-39.62	Pass	Vertical
3003.173	33.60	3.36	44.70	47.64	39.90	74.00	-34.10	Pass	Vertical
4924.000	34.94	6.22	44.60	45.22	41.78	74.00	-32.22	Pass	Vertical
7386.000	36.44	6.78	44.92	43.94	42.24	74.00	-31.76	Pass	Vertical
9848.000	38.14	7.19	45.53	43.94	43.74	74.00	-30.26	Pass	Vertical
11963.890	39.59	10.84	44.90	45.04	50.57	74.00	-23.43	Pass	Vertical

Test mode: 802.11n(HT20)(6.5Mbps)			Test Frequency: 2412MHz			Remark: Peak			
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
1260.670	30.37	1.95	44.30	45.58	33.60	74.00	-40.40	Pass	Horizontal
3151.992	33.46	3.50	44.68	45.65	37.93	74.00	-36.07	Pass	Horizontal
4824.000	34.73	6.02	44.60	48.80	44.95	74.00	-29.05	Pass	Horizontal
7236.000	36.42	6.94	44.80	44.61	43.17	74.00	-30.83	Pass	Horizontal
9648.000	37.93	7.01	45.57	44.13	43.50	74.00	-30.50	Pass	Horizontal
11933.470	39.58	10.80	44.89	44.63	50.12	74.00	-23.88	Pass	Horizontal
1498.912	30.87	2.29	44.00	50.07	39.23	74.00	-34.77	Pass	Vertical
3003.173	33.60	3.36	44.70	49.87	42.13	74.00	-31.87	Pass	Vertical
4824.000	34.73	6.02	44.60	49.87	46.02	74.00	-27.98	Pass	Vertical
7236.000	36.42	6.94	44.80	47.16	45.72	74.00	-28.28	Pass	Vertical
9648.000	37.93	7.01	45.57	45.38	44.75	74.00	-29.25	Pass	Vertical
11963.890	39.59	10.84	44.90	44.12	49.65	74.00	-24.35	Pass	Vertical

Test mode: 802.11n(HT20)(6.5Mbps)			Test Frequency: 2437MHz			Remark: Peak			
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
1510.402	30.89	2.30	43.99	45.72	34.92	74.00	-39.08	Pass	Horizontal
3644.175	33.06	3.92	44.63	45.01	37.36	74.00	-36.64	Pass	Horizontal
4874.000	34.84	6.12	44.60	48.58	44.94	74.00	-29.06	Pass	Horizontal
7311.000	36.43	6.86	44.86	43.99	42.42	74.00	-31.58	Pass	Horizontal
9748.000	38.03	7.10	45.55	43.38	42.96	74.00	-31.04	Pass	Horizontal
11963.890	39.59	10.84	44.90	45.07	50.60	74.00	-23.40	Pass	Horizontal
1346.929	30.56	2.08	44.18	46.46	34.92	74.00	-39.08	Pass	Vertical
3003.173	33.60	3.36	44.70	47.73	39.99	74.00	-34.01	Pass	Vertical
4874.000	34.84	6.12	44.60	52.52	48.88	74.00	-25.12	Pass	Vertical
7311.000	36.43	6.86	44.86	47.13	45.56	74.00	-28.44	Pass	Vertical
9748.000	38.03	7.10	45.55	44.19	43.77	74.00	-30.23	Pass	Vertical
11515.680	39.46	10.20	44.85	43.55	48.36	74.00	-25.64	Pass	Vertical

Test mode: 802.11n(HT20)(6.5Mbps)			Test Frequency: 2462MHz			Remark: Peak			
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
1232.117	30.30	1.91	44.34	45.31	33.18	74.00	-40.82	Pass	Horizontal
3128.013	33.48	3.48	44.69	46.17	38.44	74.00	-35.56	Pass	Horizontal
4924.000	34.94	6.22	44.60	51.69	48.25	74.00	-25.75	Pass	Horizontal
7386.000	36.44	6.78	44.92	44.29	42.59	74.00	-31.41	Pass	Horizontal
9848.000	38.14	7.19	45.53	44.66	44.46	74.00	-29.54	Pass	Horizontal
11963.890	39.59	10.84	44.90	44.14	49.67	74.00	-24.33	Pass	Horizontal
1395.796	30.66	2.15	44.12	44.85	33.54	74.00	-40.46	Pass	Vertical
3003.173	33.60	3.36	44.70	49.23	41.49	74.00	-32.51	Pass	Vertical
4924.000	34.94	6.22	44.60	49.09	45.65	74.00	-28.35	Pass	Vertical
7386.000	36.44	6.78	44.92	43.87	42.17	74.00	-31.83	Pass	Vertical
9848.000	38.14	7.19	45.53	43.80	43.60	74.00	-30.40	Pass	Vertical
12086.330	39.57	10.86	44.87	44.59	50.15	74.00	-23.85	Pass	Vertical

Test mode: 802.11n(HT40)(13.5Mbps)			Test Frequency: 2422MHz			Remark: Peak			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Final test level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1468.696	30.81	2.25	44.03	46.46	35.49	74.00	-38.51	Pass	Horizontal
3208.660	33.41	3.55	44.68	46.06	38.34	74.00	-35.66	Pass	Horizontal
4844.000	34.77	6.06	44.60	47.09	43.32	74.00	-30.68	Pass	Horizontal
7266.000	36.43	6.91	44.82	43.91	42.43	74.00	-31.57	Pass	Horizontal
9688.000	37.97	7.05	45.56	43.74	43.20	74.00	-30.80	Pass	Horizontal
11515.680	39.46	10.20	44.85	45.23	50.04	74.00	-23.96	Pass	Horizontal
1367.659	30.60	2.11	44.16	46.79	35.34	74.00	-38.66	Pass	Vertical
3184.250	33.43	3.53	44.68	47.10	39.38	74.00	-34.62	Pass	Vertical
4844.000	34.77	6.06	44.60	45.00	41.23	74.00	-32.77	Pass	Vertical
7266.000	36.43	6.91	44.82	44.74	43.26	74.00	-30.74	Pass	Vertical
9688.000	37.97	7.05	45.56	44.05	43.51	74.00	-30.49	Pass	Vertical
10778.210	39.09	8.98	44.95	44.10	47.22	74.00	-26.78	Pass	Vertical

Test mode: 802.11n(HT40)(13.5Mbps)			Test Frequency: 2437MHz			Remark: Peak			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Final test level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1309.737	30.48	2.03	44.23	46.07	34.35	74.00	-39.65	Pass	Horizontal
3003.173	33.60	3.36	44.70	48.61	40.87	74.00	-33.13	Pass	Horizontal
4874.000	34.84	6.12	44.60	46.95	43.31	74.00	-30.69	Pass	Horizontal
7311.000	36.43	6.86	44.86	43.54	41.97	74.00	-32.03	Pass	Horizontal
9748.000	38.03	7.10	45.55	43.07	42.65	74.00	-31.35	Pass	Horizontal
11963.890	39.59	10.84	44.90	44.04	49.57	74.00	-24.43	Pass	Horizontal
1326.513	30.52	2.05	44.21	46.84	35.20	74.00	-38.80	Pass	Vertical
3003.173	33.60	3.36	44.70	48.61	40.87	74.00	-33.13	Pass	Vertical
4874.000	34.84	6.12	44.60	43.82	40.18	74.00	-33.82	Pass	Vertical
7311.000	36.43	6.86	44.86	44.11	42.54	74.00	-31.46	Pass	Vertical
9748.000	38.03	7.10	45.55	44.33	43.91	74.00	-30.09	Pass	Vertical
12241.140	39.53	10.80	44.83	44.91	50.41	74.00	-23.59	Pass	Vertical

Test mode: 802.11n(HT40)(13.5Mbps)			Test Frequency: 2452MHz			Remark: Peak			
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dB μ V)	Final test level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB)	Result	Antenna Polaxis
1479.955	30.83	2.26	44.02	46.54	35.61	74.00	-38.39	Pass	Horizontal
3192.366	33.43	3.54	44.68	46.72	39.01	74.00	-34.99	Pass	Horizontal
4904.000	34.90	6.18	44.60	50.47	46.95	74.00	-27.05	Pass	Horizontal
7356.000	36.44	6.81	44.90	44.93	43.28	74.00	-30.72	Pass	Horizontal
9808.000	38.10	7.16	45.54	43.78	43.50	74.00	-30.50	Pass	Horizontal
11872.880	39.56	10.71	44.89	44.77	50.15	74.00	-23.85	Pass	Horizontal
1450.122	30.77	2.22	44.06	46.76	35.69	74.00	-38.31	Pass	Vertical
3003.173	33.60	3.36	44.70	48.93	41.19	74.00	-32.81	Pass	Vertical
4904.000	34.90	6.18	44.60	47.36	43.84	74.00	-30.16	Pass	Vertical
7356.000	36.44	6.81	44.90	45.11	43.46	74.00	-30.54	Pass	Vertical
9808.000	38.10	7.16	45.54	44.85	44.57	74.00	-29.43	Pass	Vertical
12148.020	39.55	10.83	44.85	44.33	49.86	74.00	-24.14	Pass	Vertical

Remark:

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), 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:

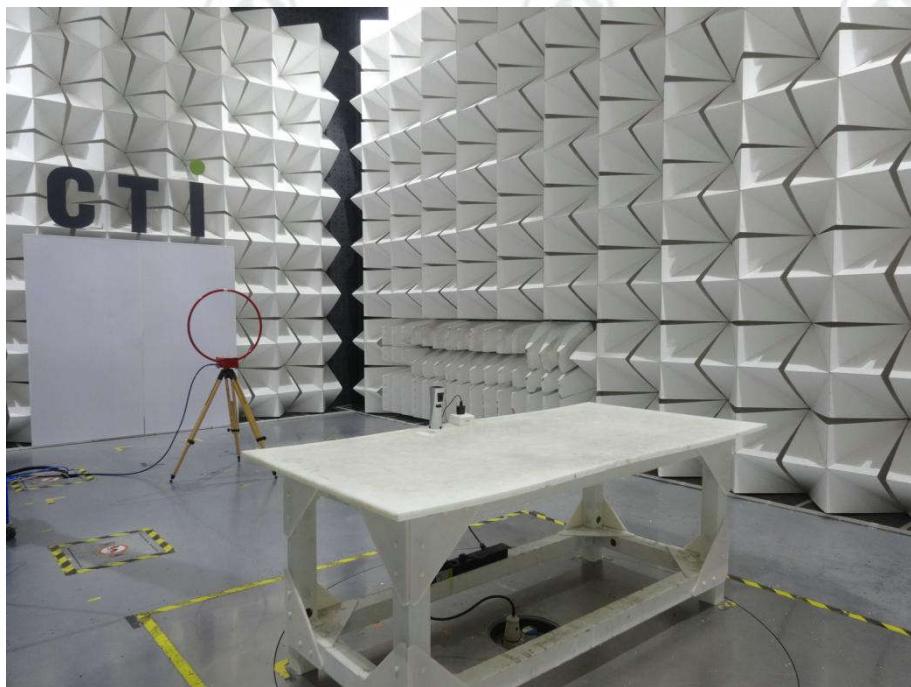
Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

3) Scan from 9kHz to 25GHz, the disturbance above 13GHz 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.

PHOTOGRAPHS OF TEST SETUP

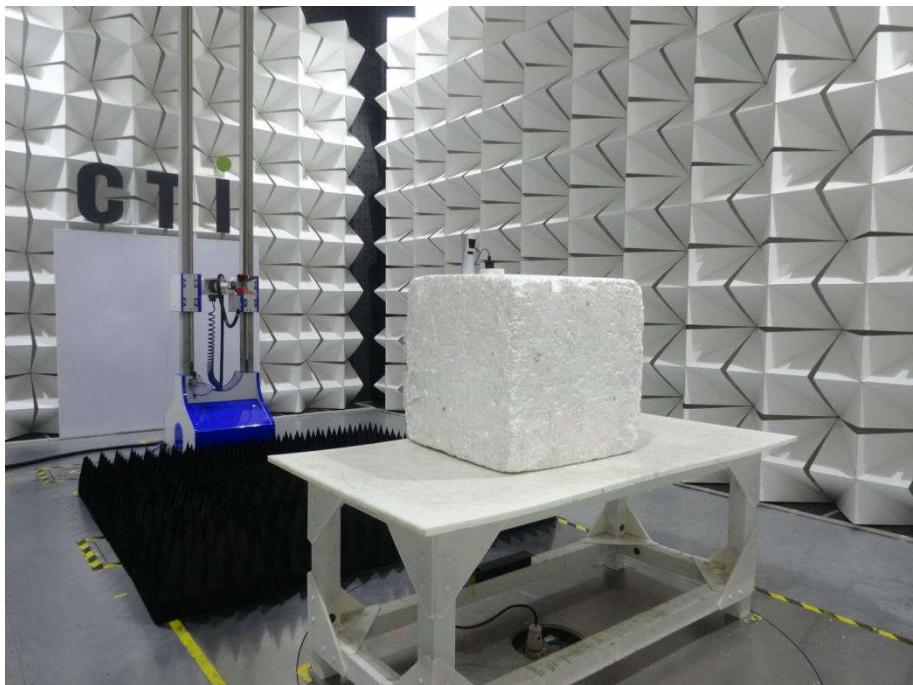
Test mode No.: SHS1-US



Radiated spurious emission Test Setup-1 (9kHz~30MHz)



Radiated spurious emission Test Setup-2(30MHz-1GHz)



Radiated spurious emission Test Setup-3(Above 1GHz)



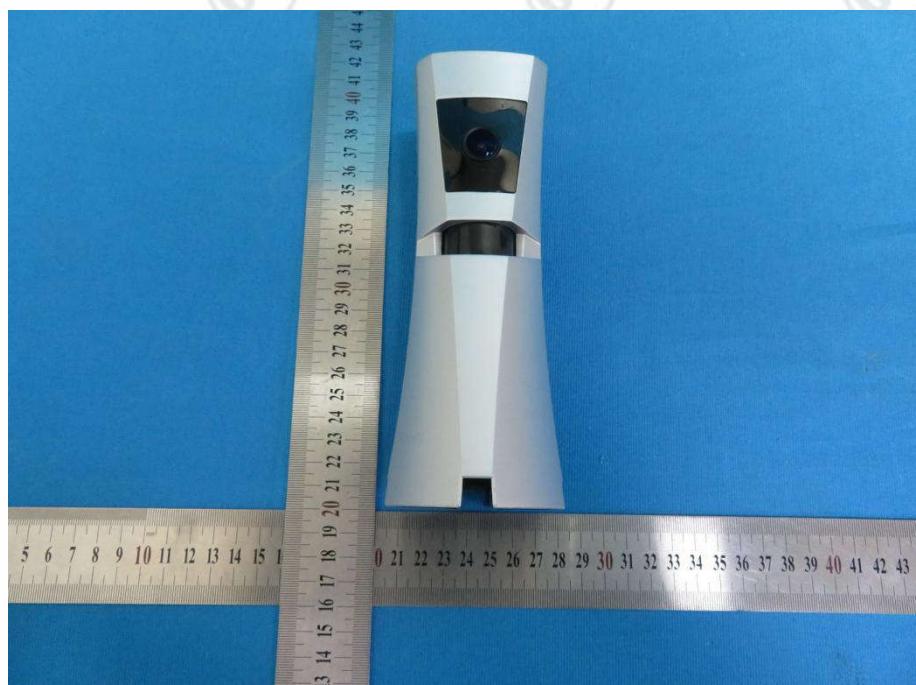
Conducted Emissions Test Setup

PHOTOGRAPHS OF EUT Constructional Details

Test model No.: SHS1-US



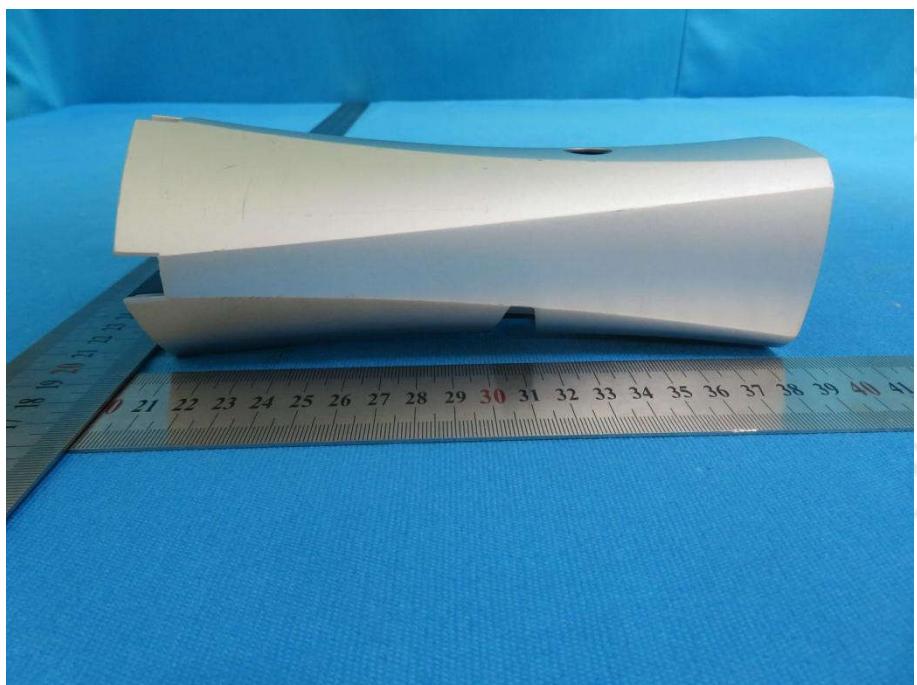
View of Product-1



View of Product-2



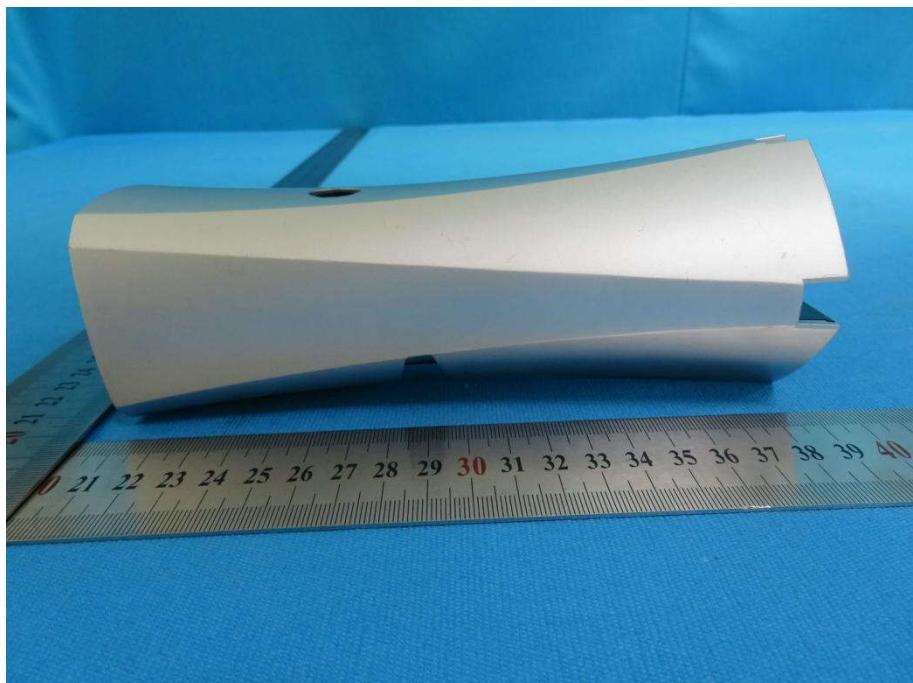
View of Product-3



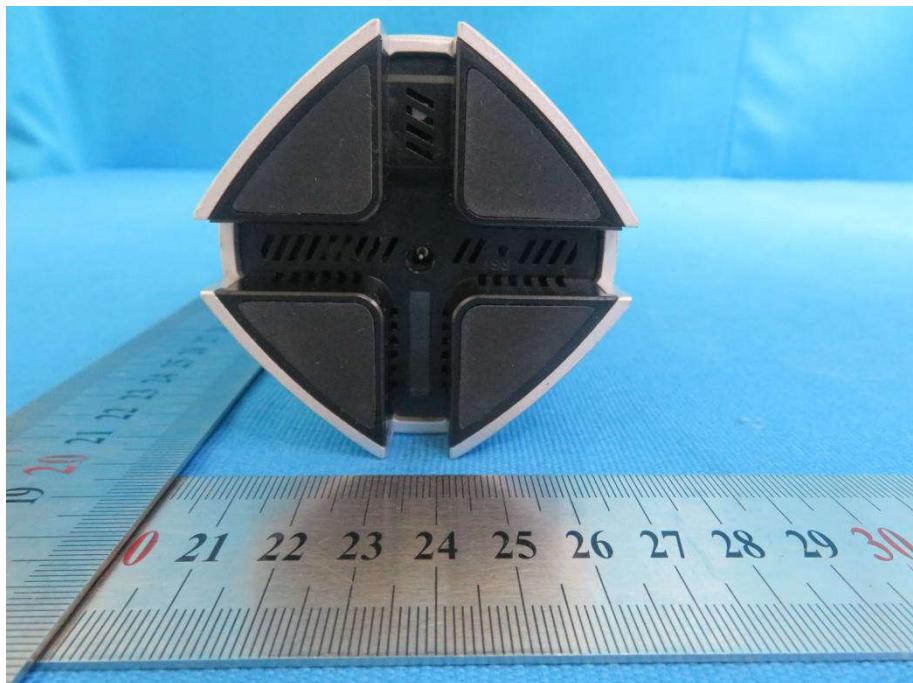
View of Product-4



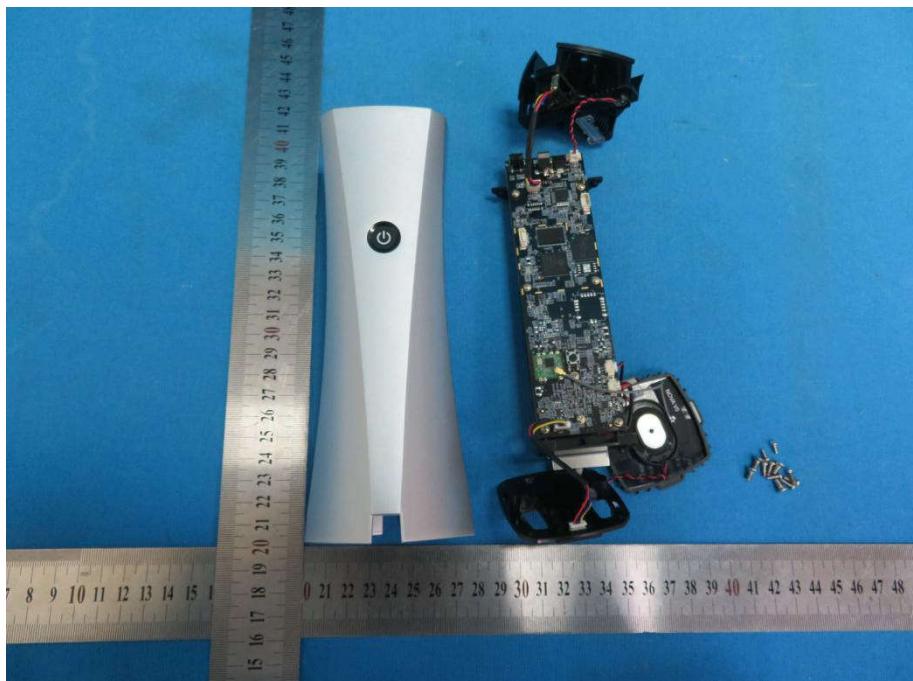
View of Product-5



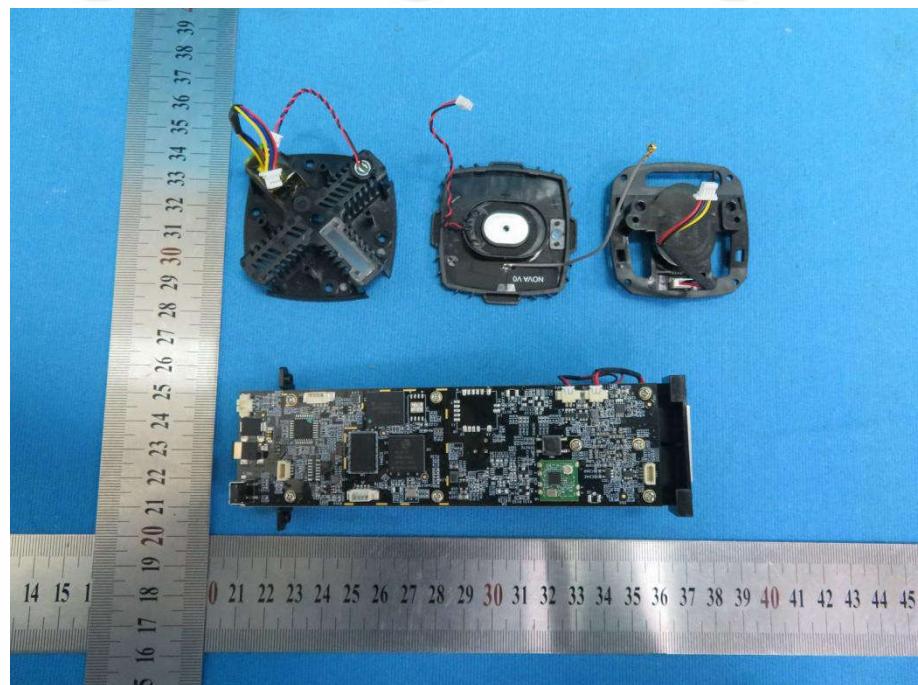
View of Product-6



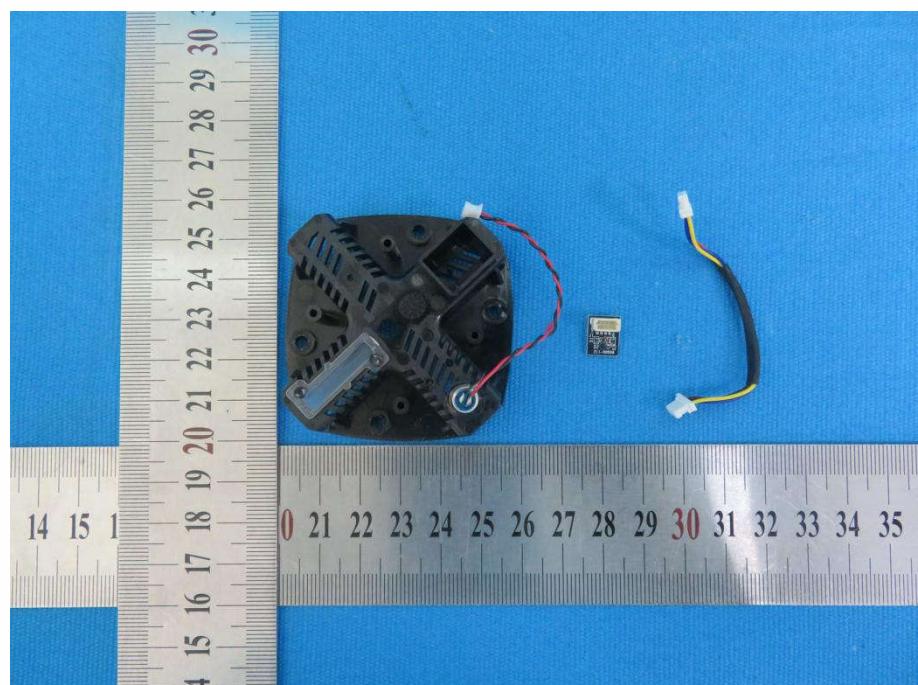
View of Product-7



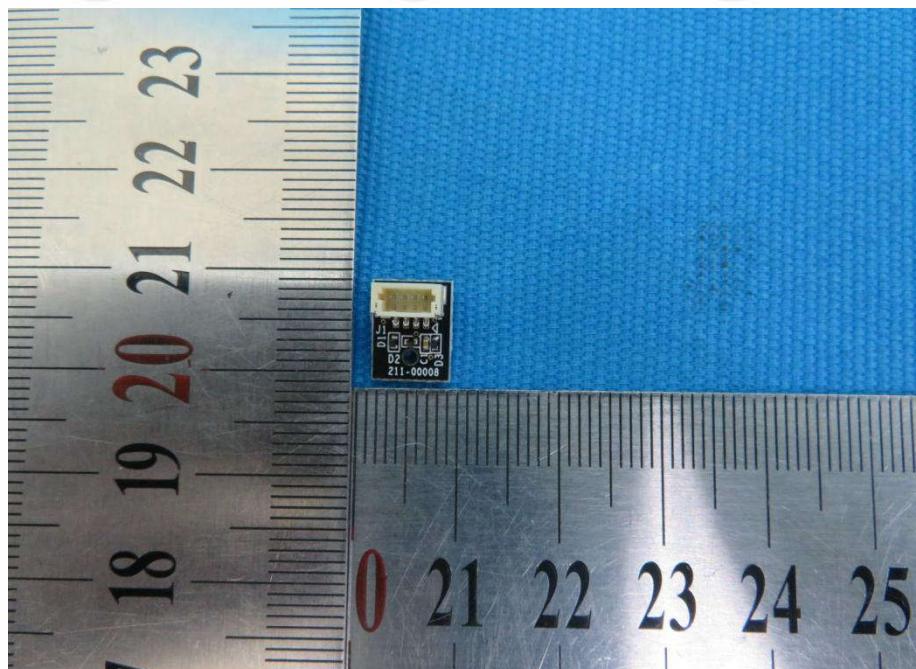
View of Product-8



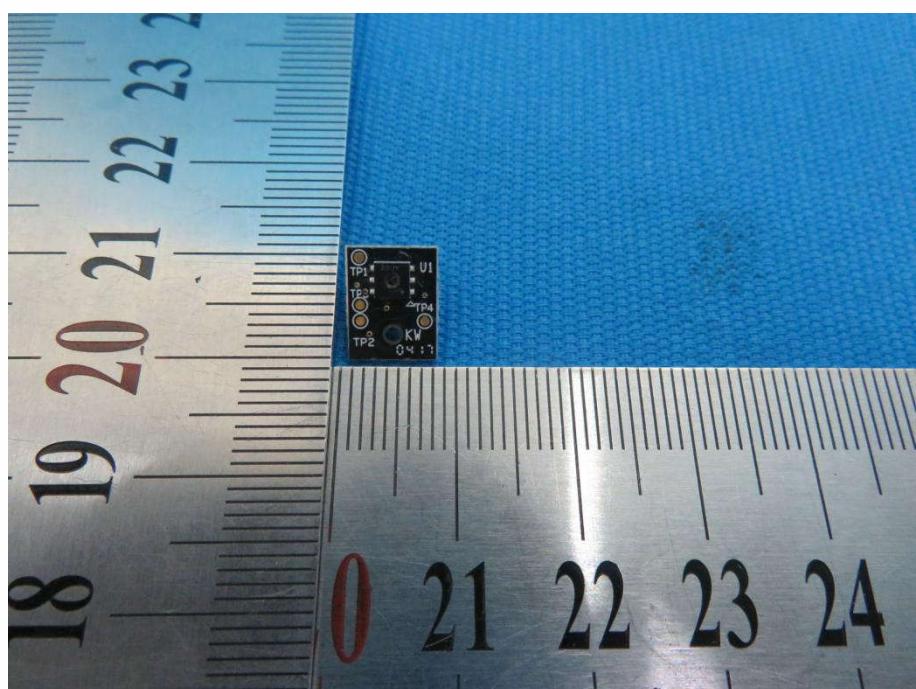
View of Product-9



View of Product-10



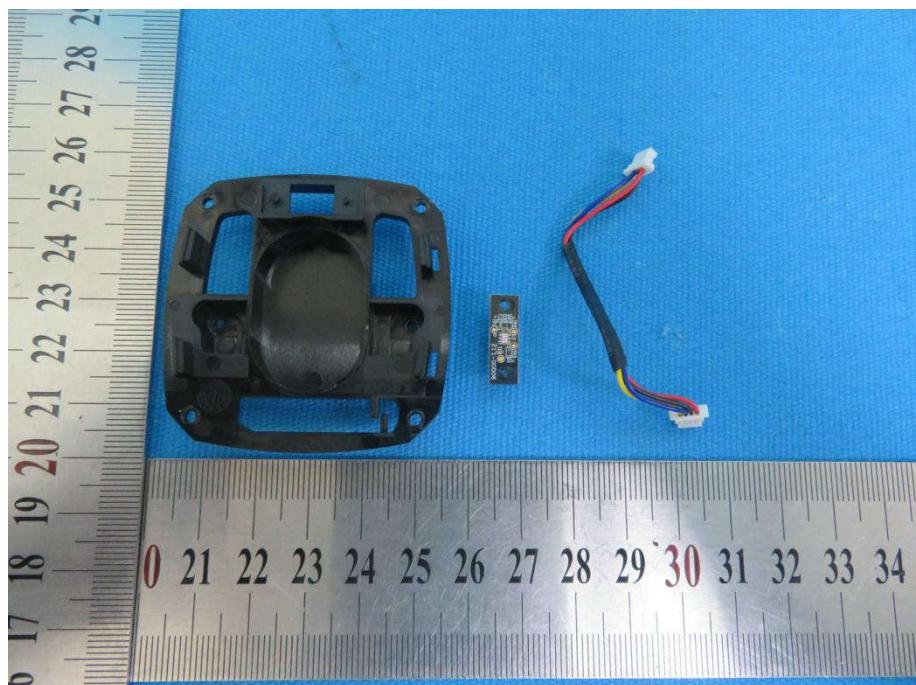
View of Product-11



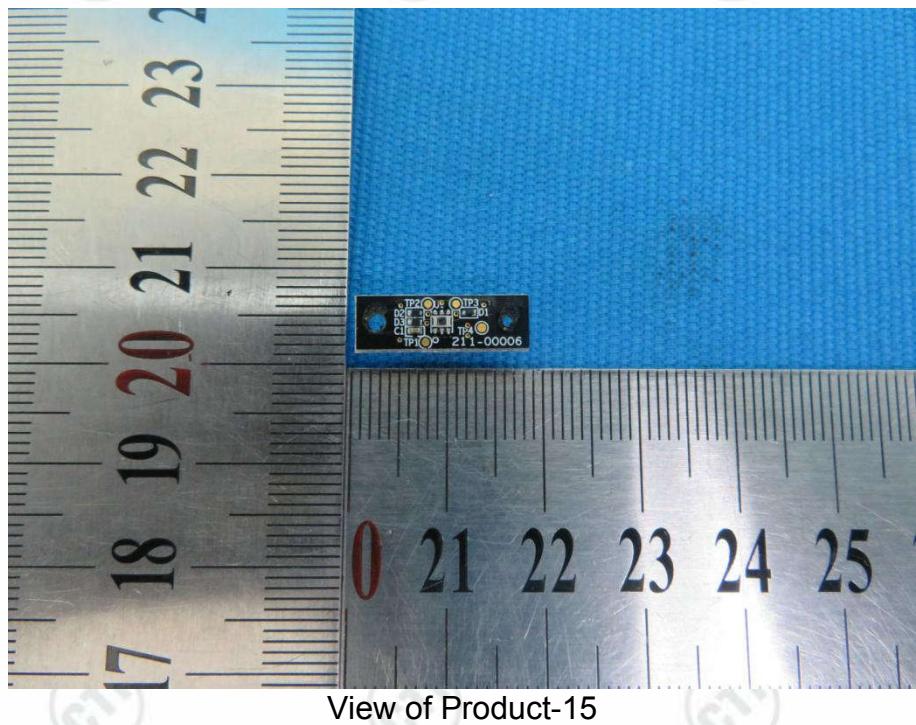
View of Product-12



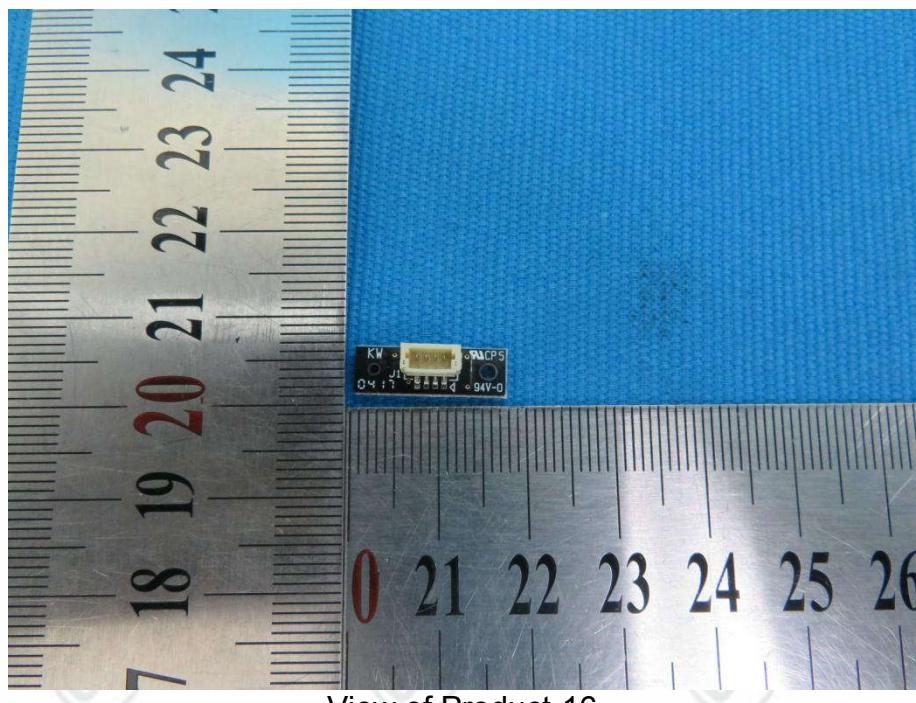
View of Product-13



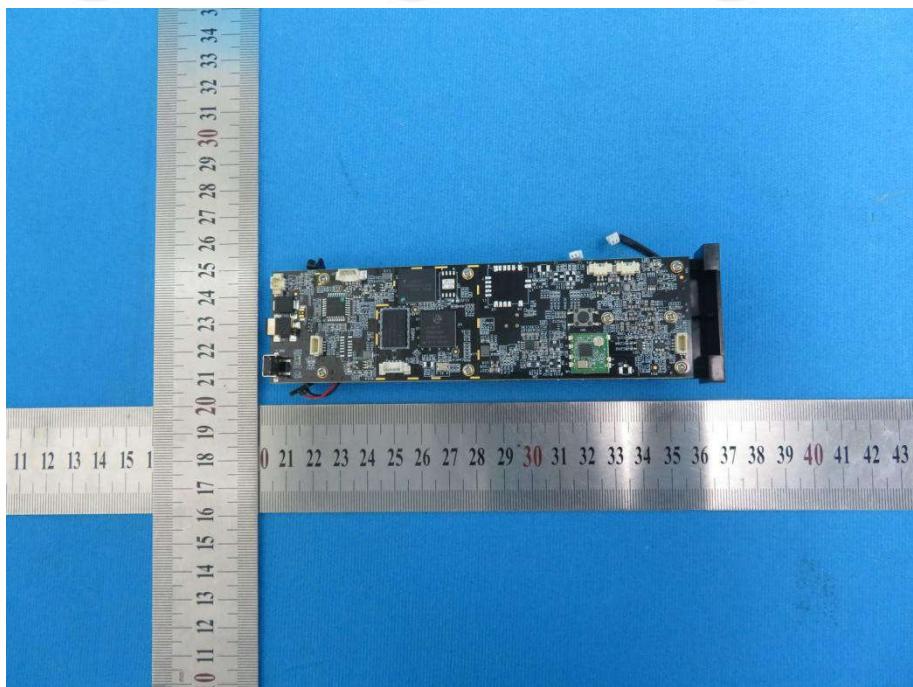
View of Product-14



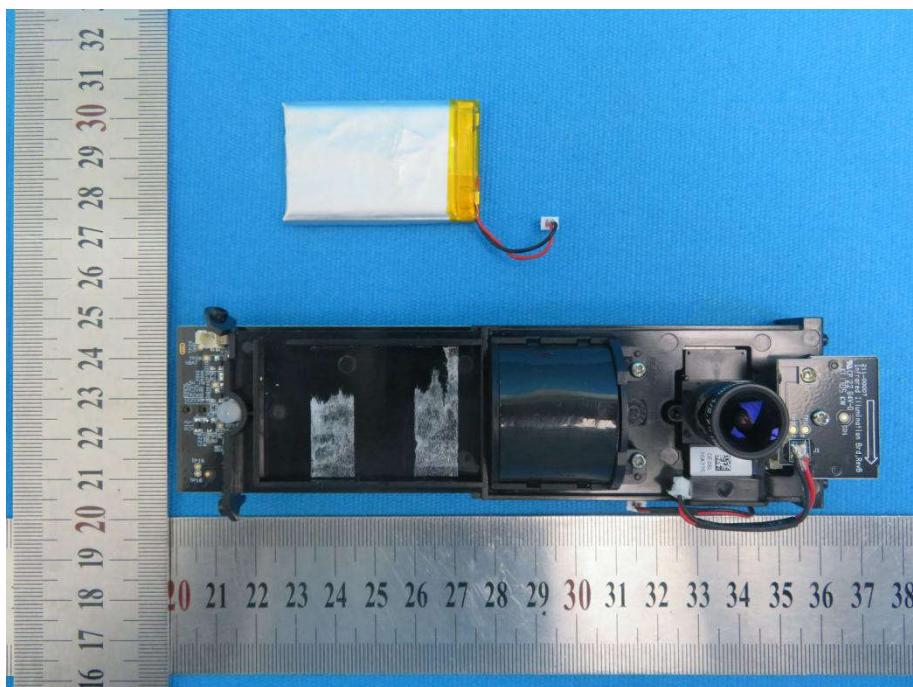
View of Product-15



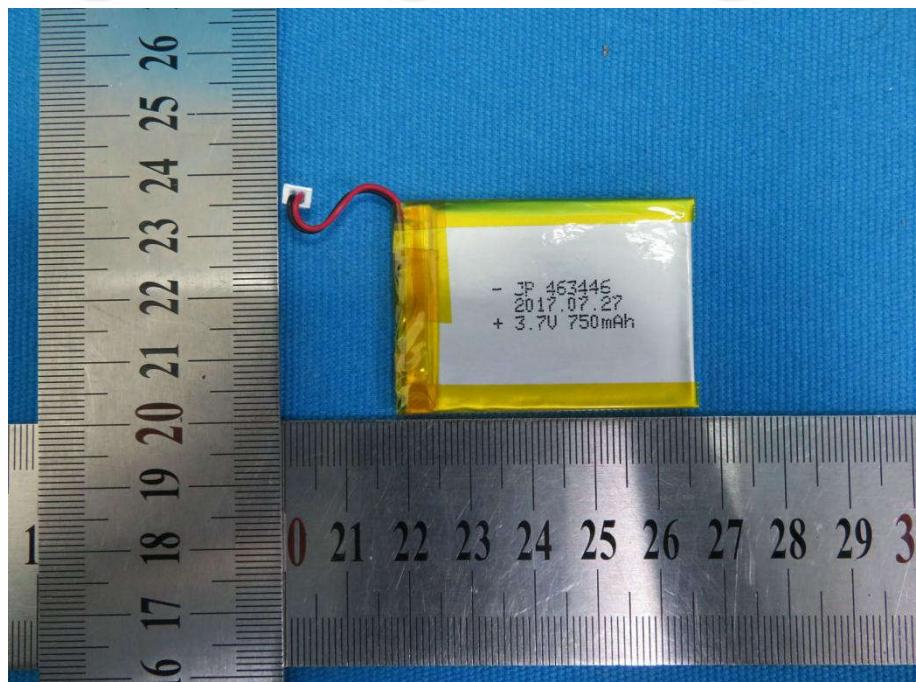
View of Product-16



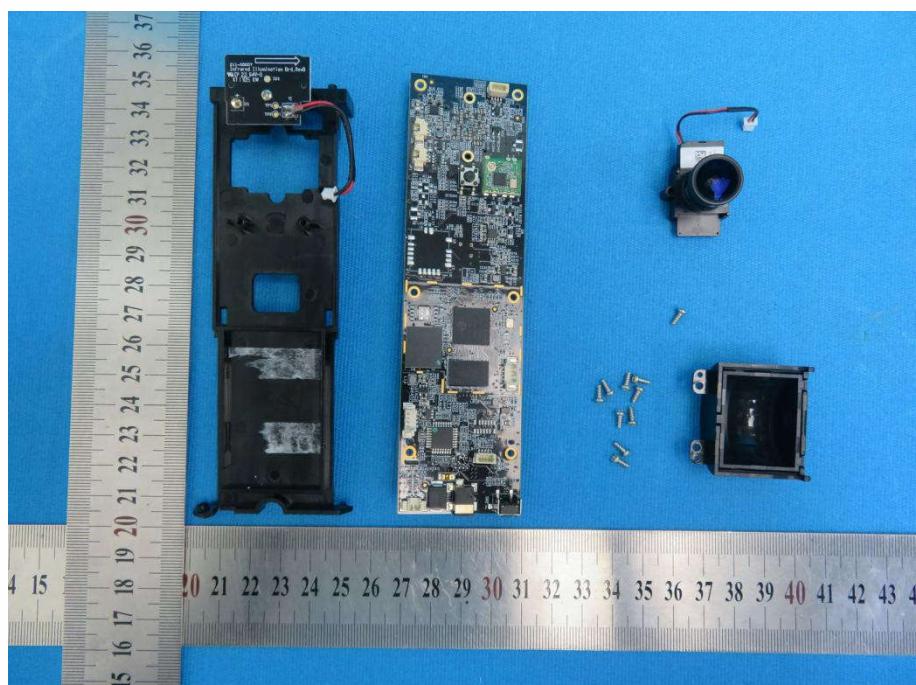
View of Product-17



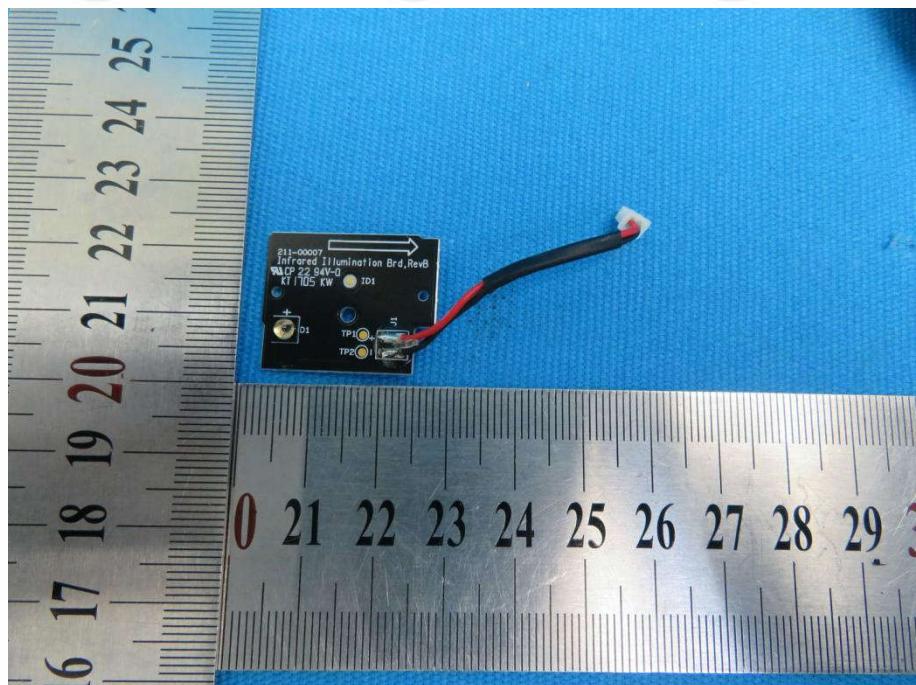
View of Product-18



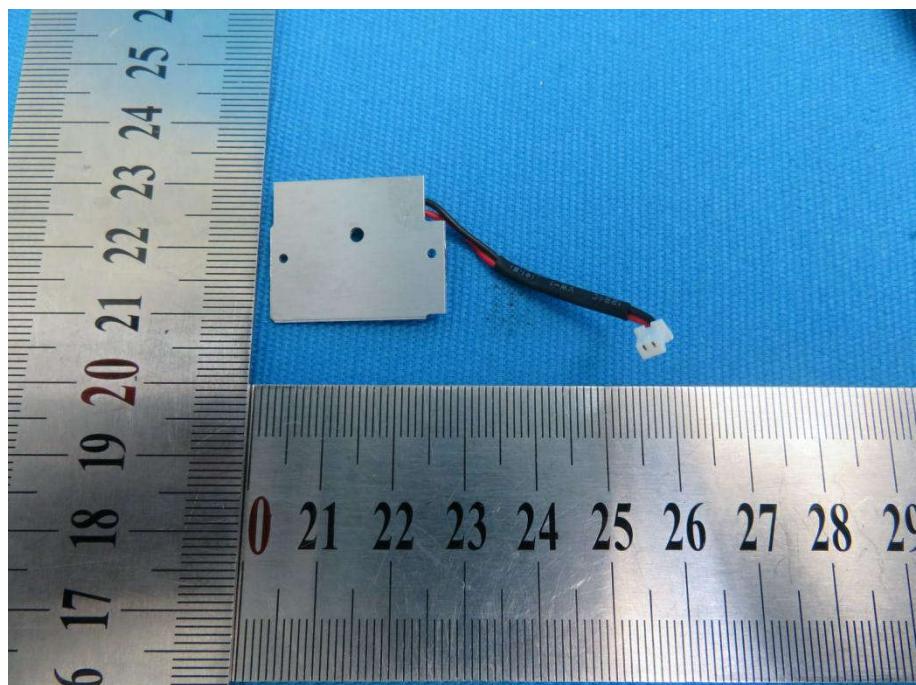
View of Product-19



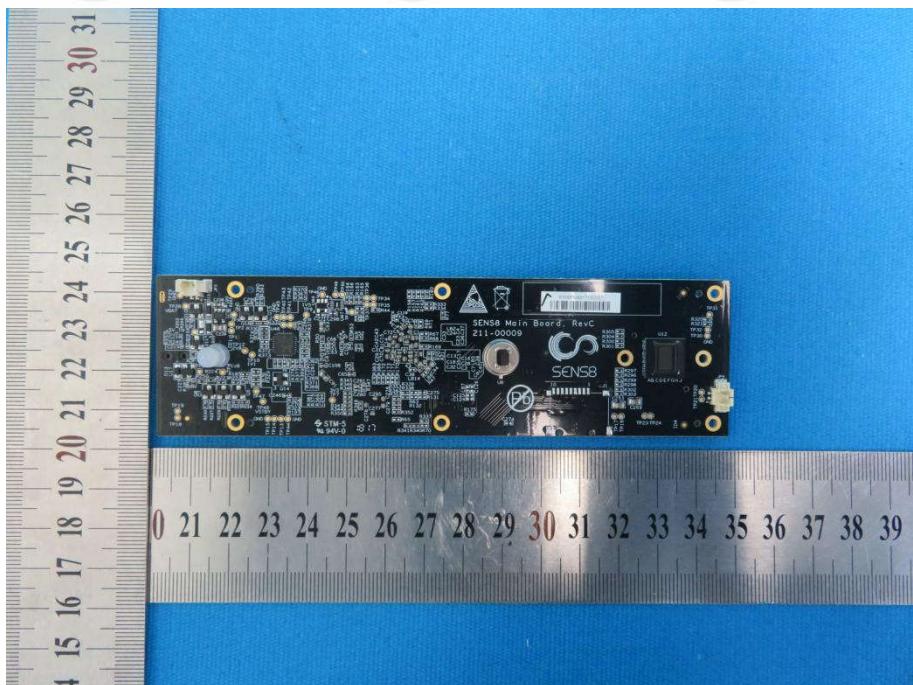
View of Product-20



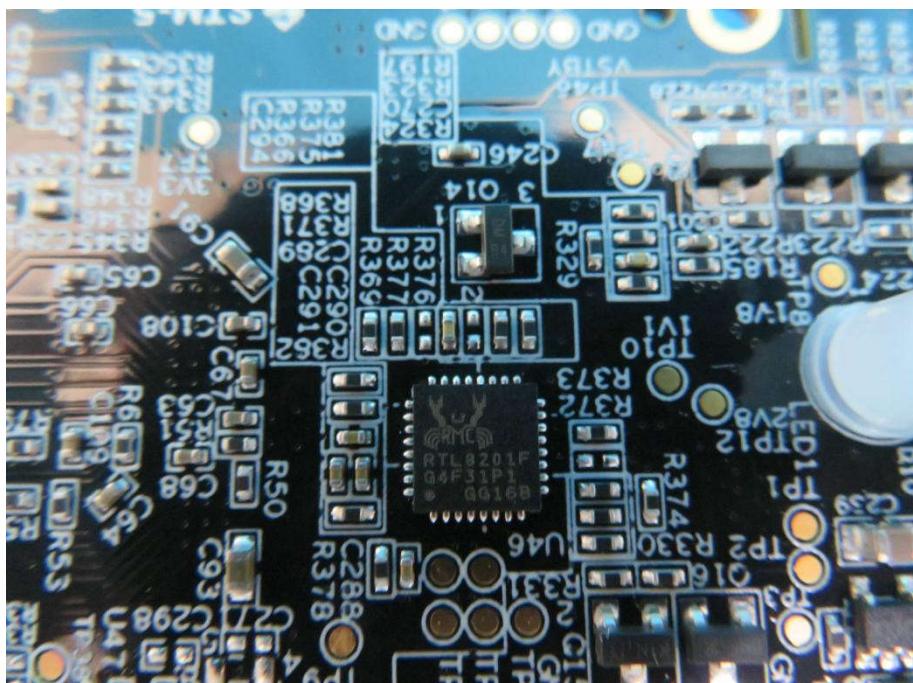
View of Product-21



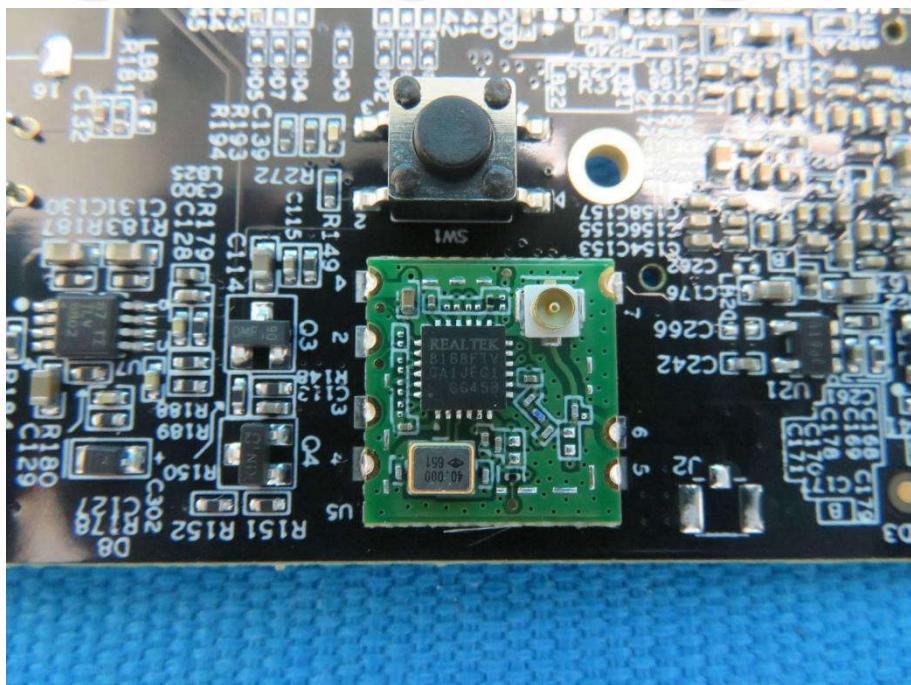
View of Product-22



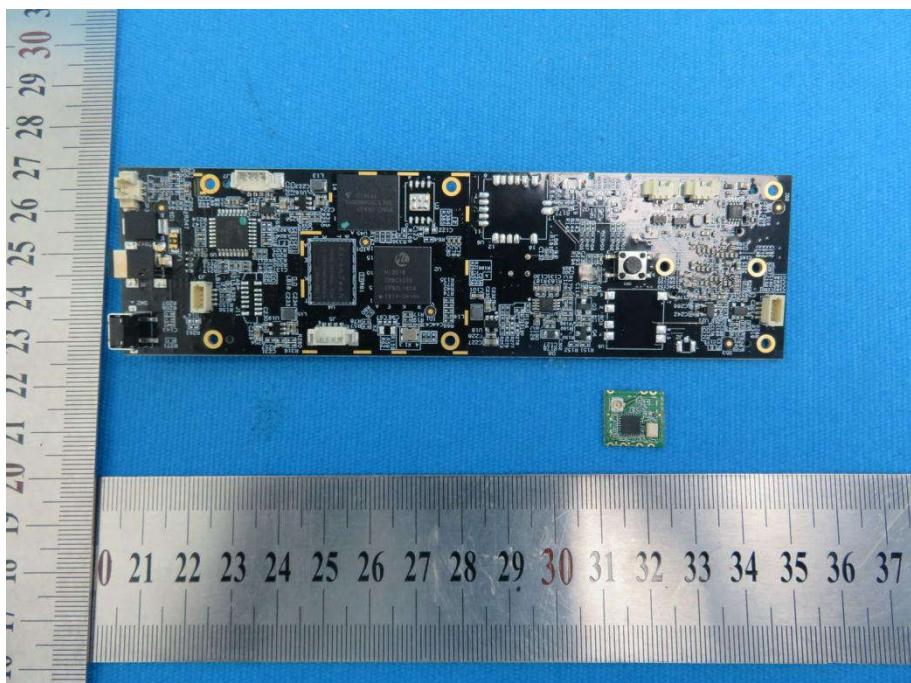
View of Product-23



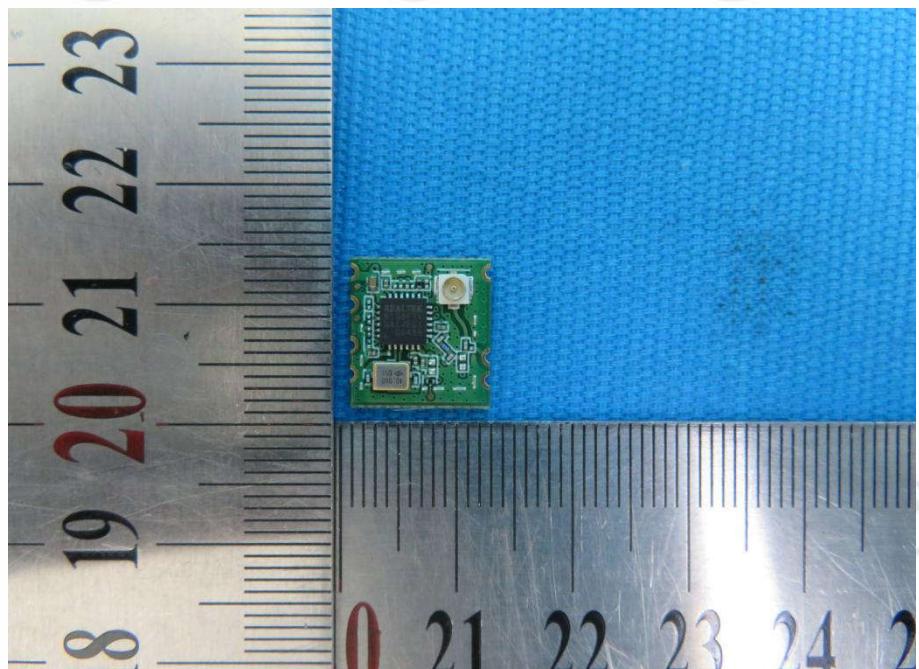
View of Product-24



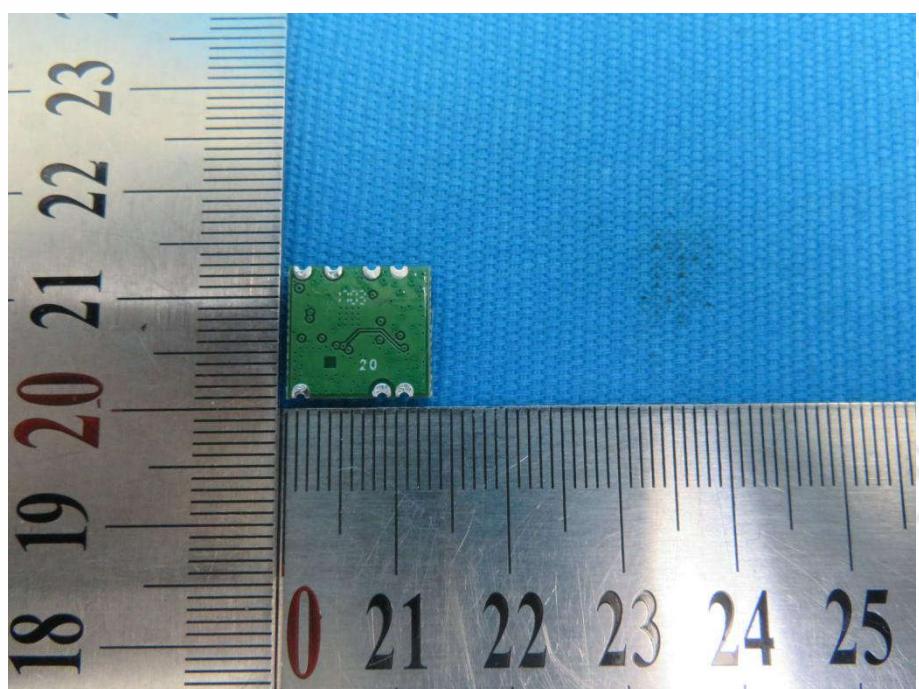
View of Product-25



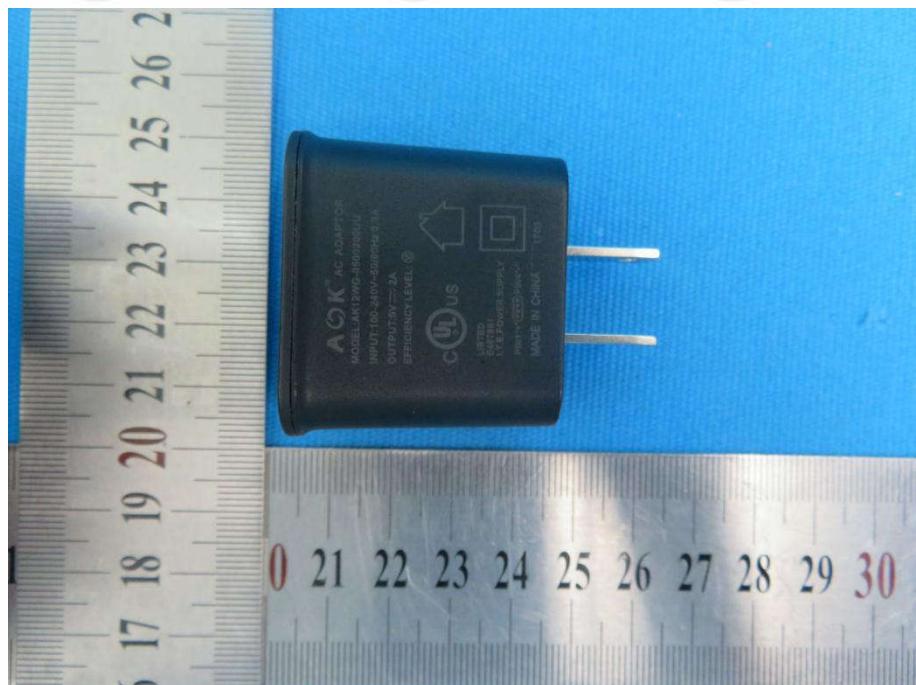
View of Product-26



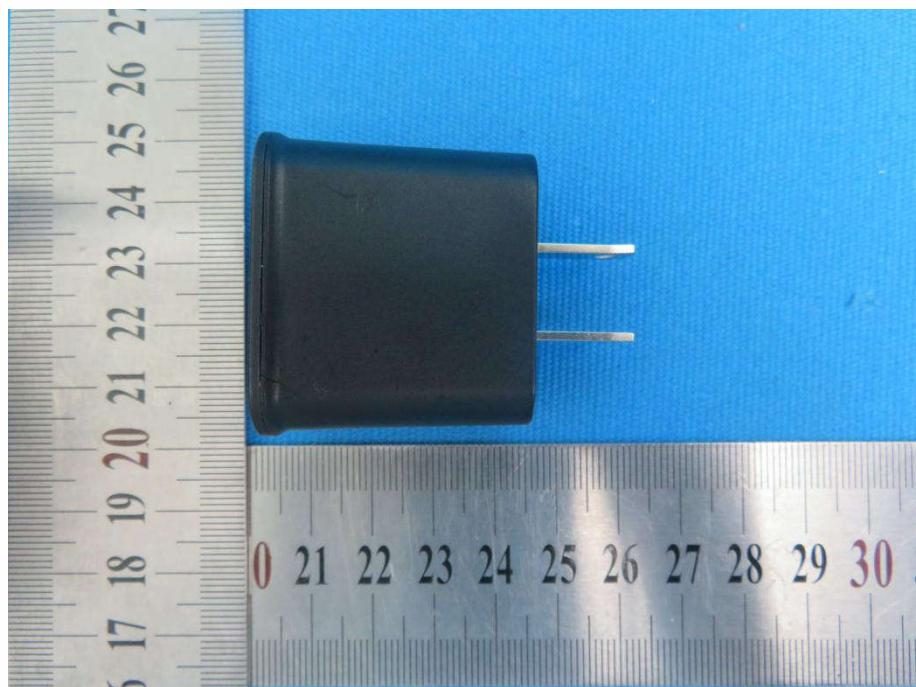
View of Product-27



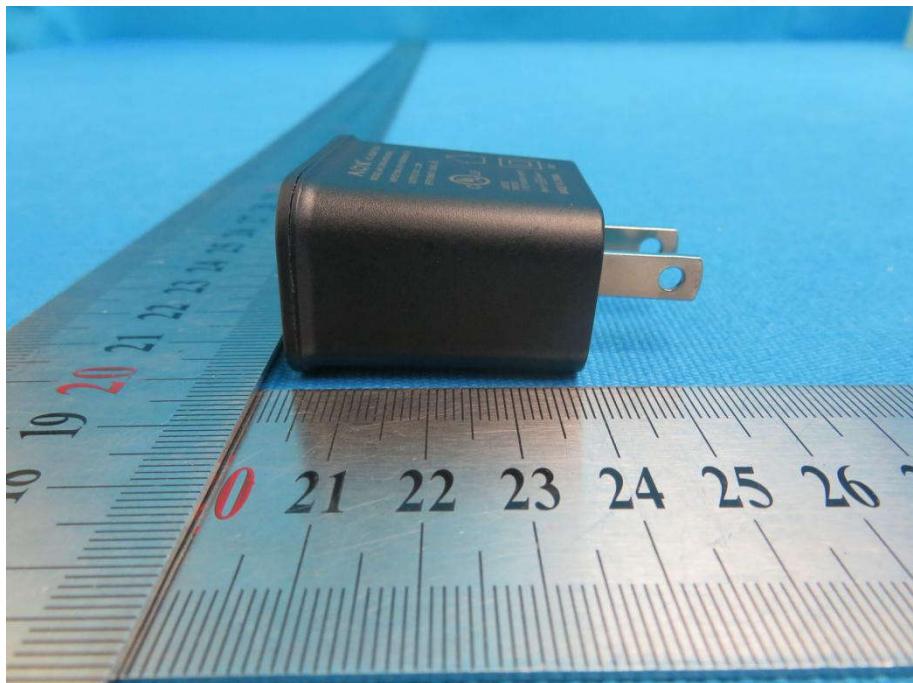
View of Product-28



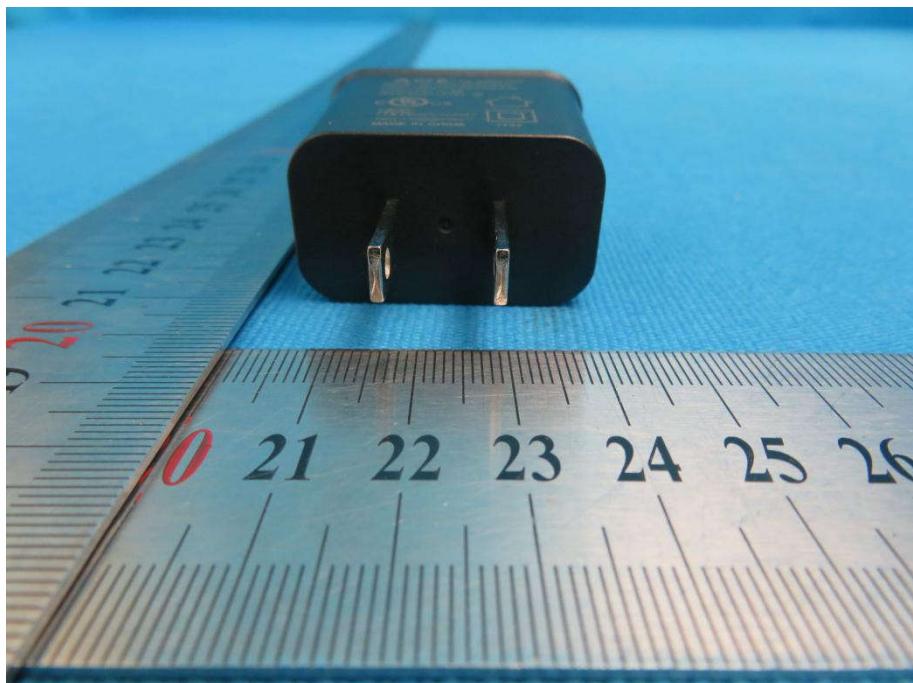
View of Product-29



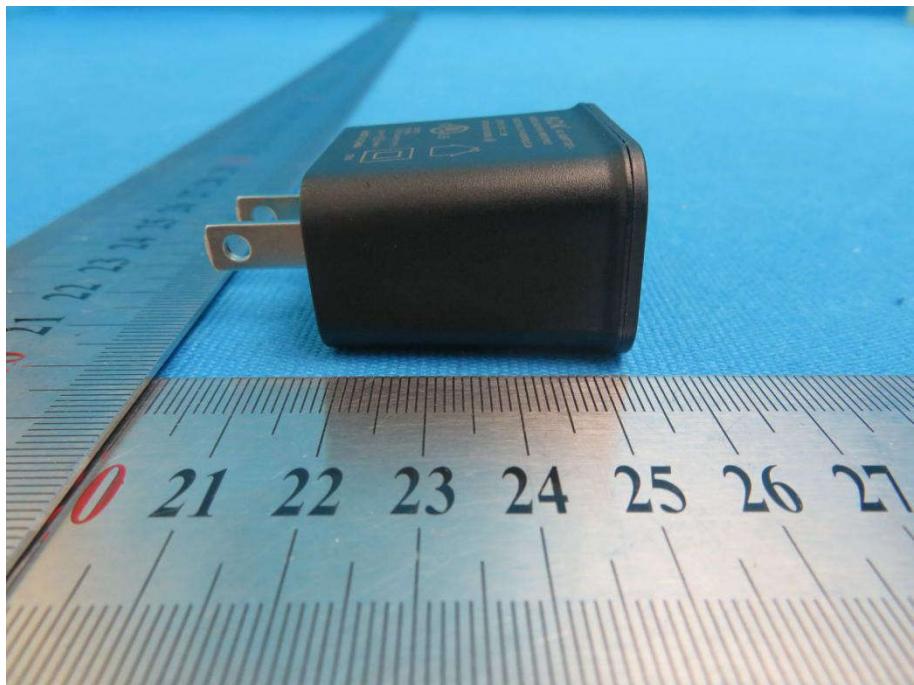
View of Product-30



View of Product-31



View of Product-32



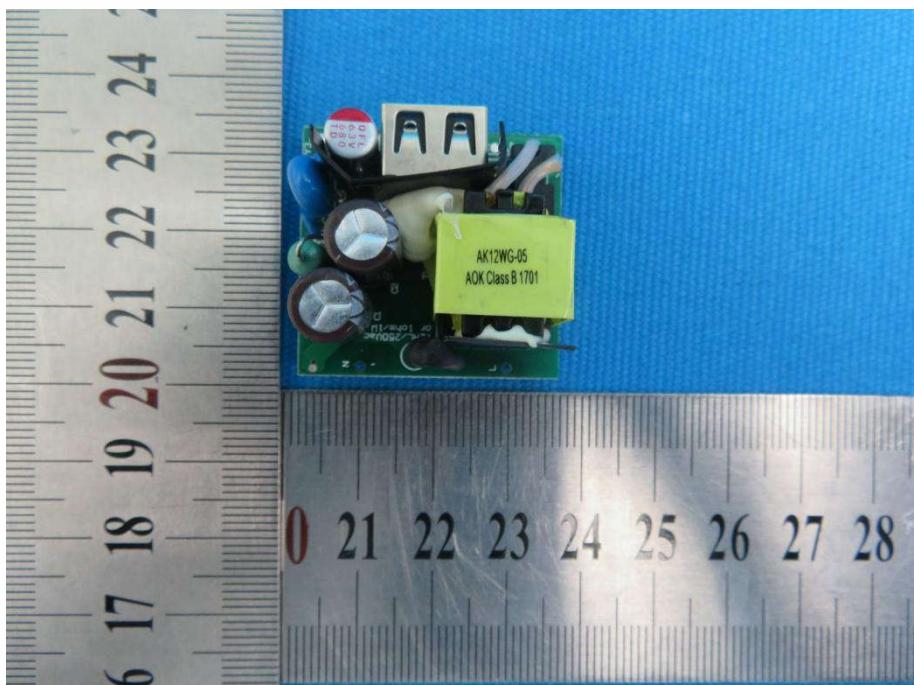
View of Product-33



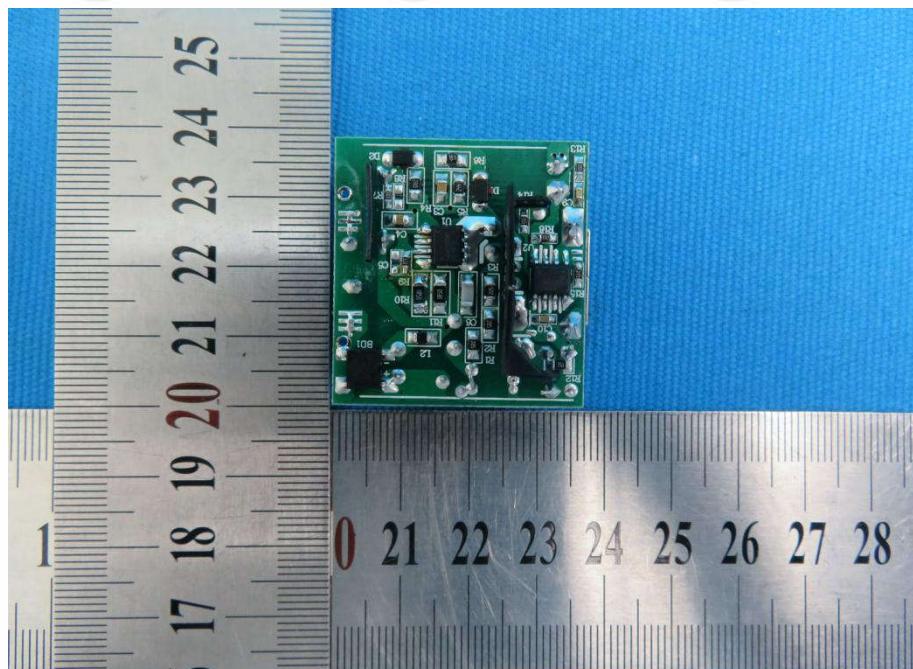
View of Product-34



View of Product-35



View of Product-36



View of Product-37

*** End of Report ***

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