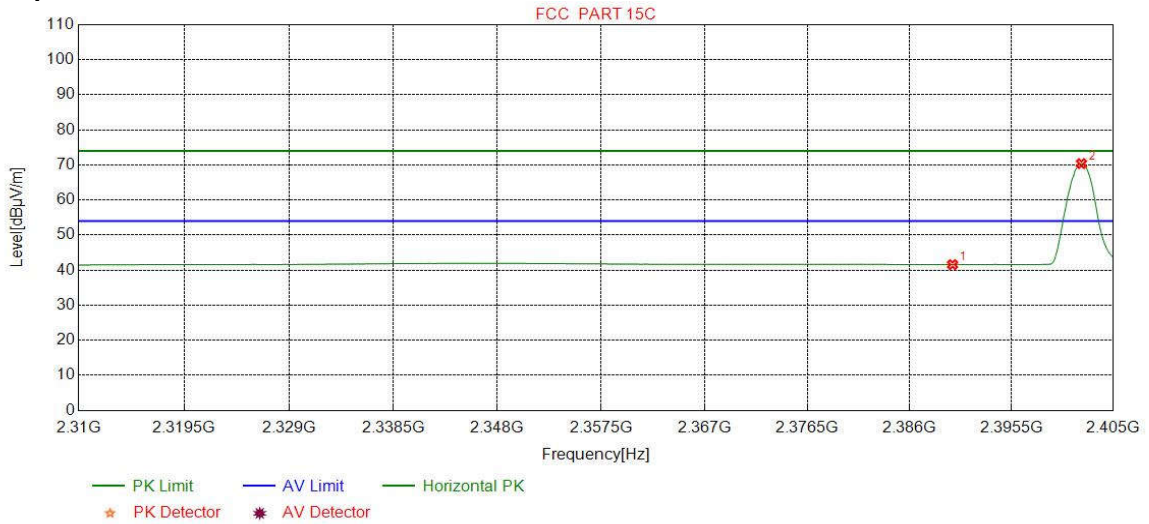


Mode:	$\pi/4$ DQPSK Transmitting	Channel:	2402
Remark:	AV		

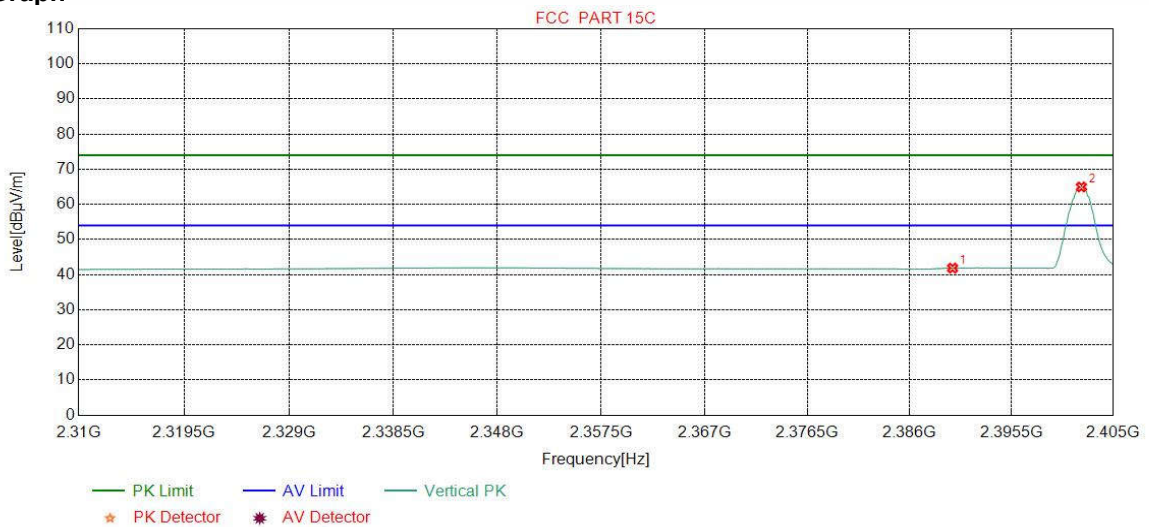
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	38.40	41.58	54.00	12.42	Pass	Horizontal
2	2402.0275	32.26	13.31	-42.43	67.25	70.39	54.00	-16.39	Pass	Horizontal

Mode:	$\pi/4$ DQPSK Transmitting	Channel:	2402
Remark:	AV		

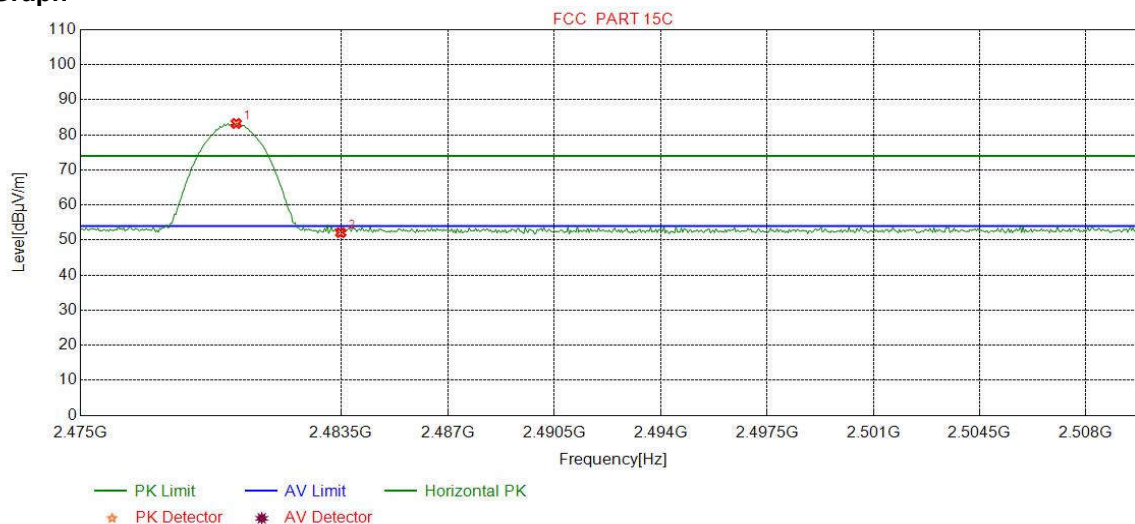
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	38.67	41.85	54.00	12.15	Pass	Vertical
2	2402.0275	32.26	13.31	-42.43	61.81	64.95	54.00	-10.95	Pass	Vertical

Mode:	$\pi/4$ DQPSK Transmitting	Channel:	2480
Remark:	Peak		

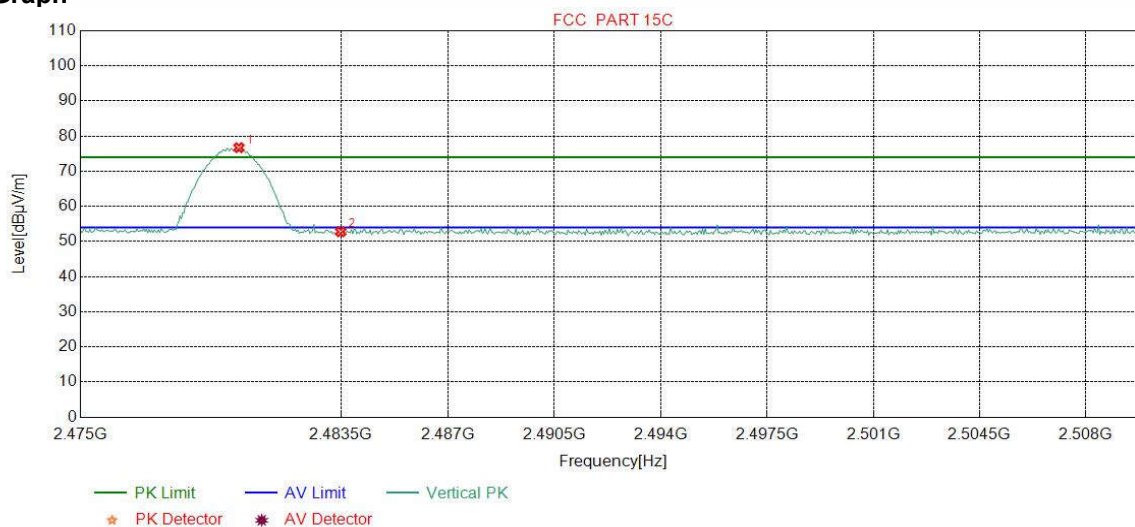
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2480.0814	32.37	13.39	-42.40	79.89	83.25	74.00	-9.25	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	48.76	52.12	74.00	21.88	Pass	Horizontal

Mode:	$\pi/4$ DQPSK Transmitting	Channel:	2480
Remark:	Peak		

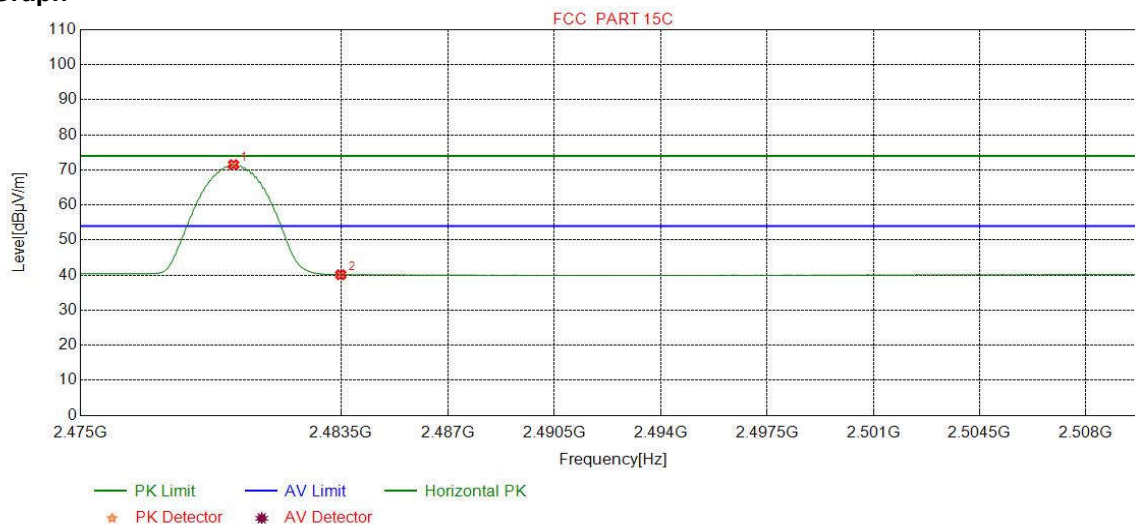
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2480.1690	32.37	13.39	-42.40	73.35	76.71	74.00	-2.71	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	49.42	52.78	74.00	21.22	Pass	Vertical

Mode:	$\pi/4$ DQPSK Transmitting	Channel:	2480
Remark:	AV		

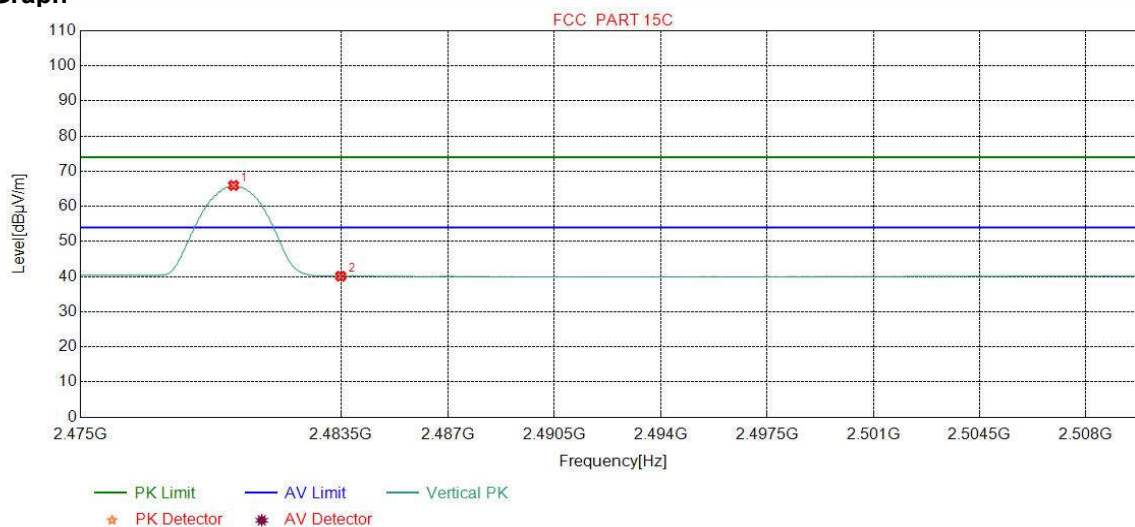
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2479.9937	32.37	13.39	-42.39	68.12	71.49	54.00	-17.49	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	36.75	40.11	54.00	13.89	Pass	Horizontal

Mode:	$\pi/4$ DQPSK Transmitting	Channel:	2480
Remark:	AV		

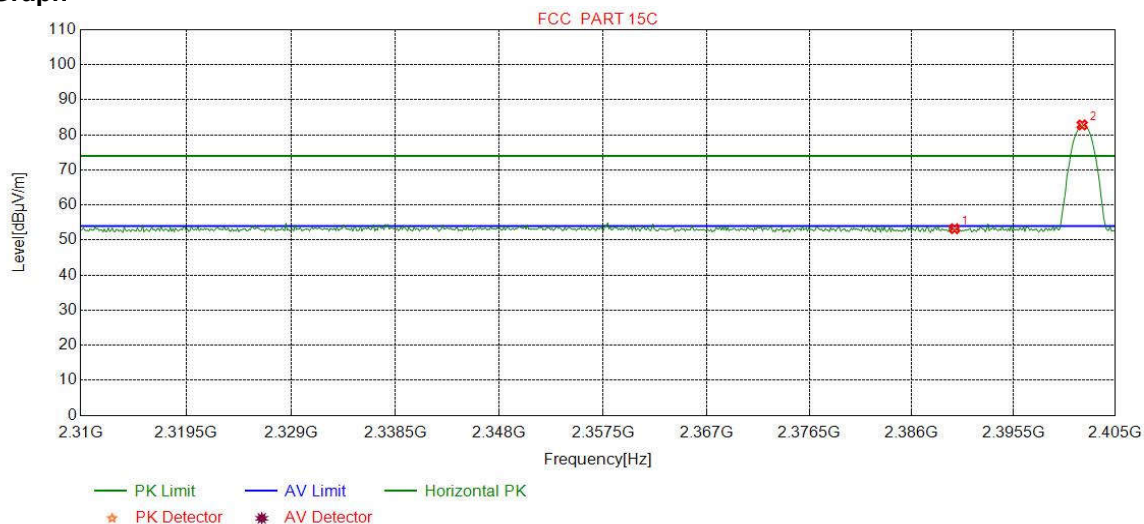
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2479.9937	32.37	13.39	-42.39	62.58	65.95	54.00	-11.95	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	36.75	40.11	54.00	13.89	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	Peak		

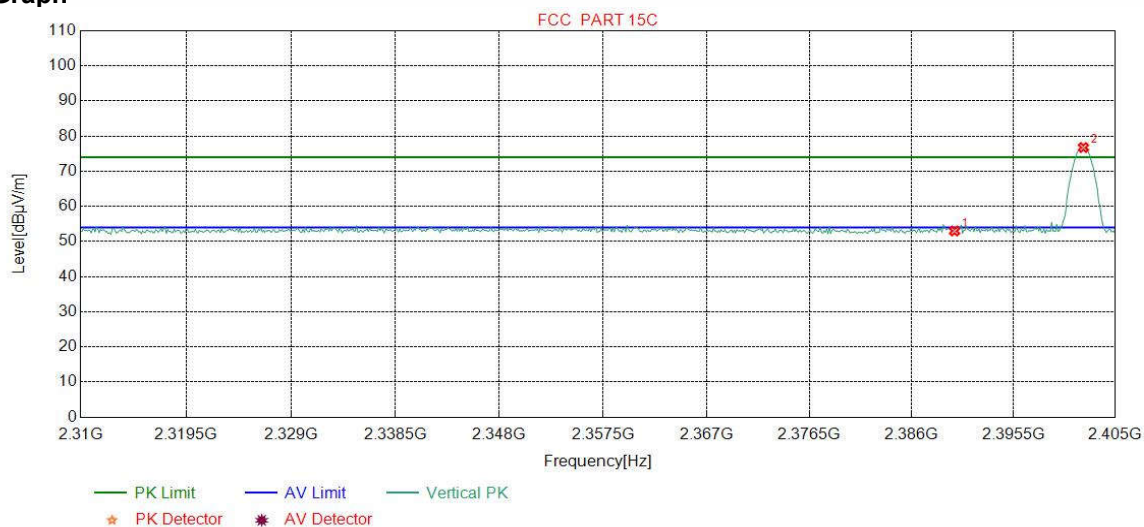
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	50.06	53.24	74.00	20.76	Pass	Horizontal
2	2401.9086	32.26	13.31	-42.43	79.70	82.84	74.00	-8.84	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	Peak		

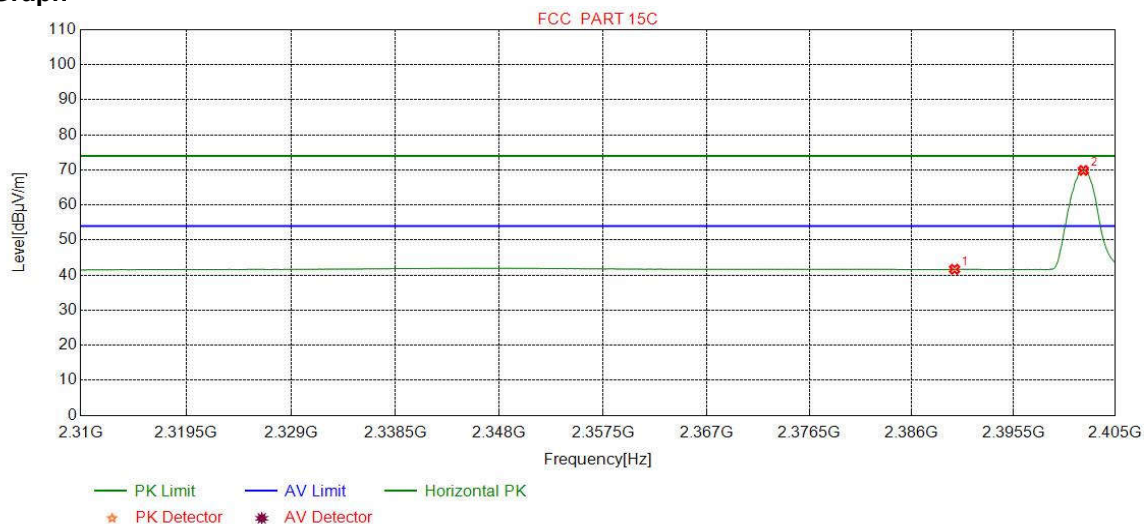
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	49.81	52.99	74.00	21.01	Pass	Vertical
2	2402.0275	32.26	13.31	-42.43	73.61	76.75	74.00	-2.75	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	AV		

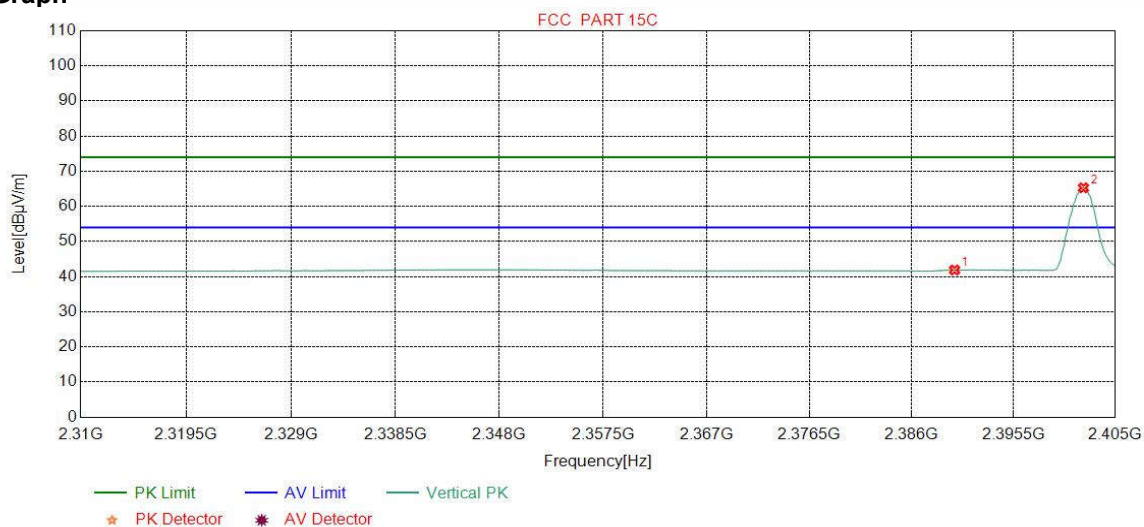
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	38.48	41.66	54.00	12.34	Pass	Horizontal
2	2402.0275	32.26	13.31	-42.43	66.72	69.86	54.00	-15.86	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	AV		

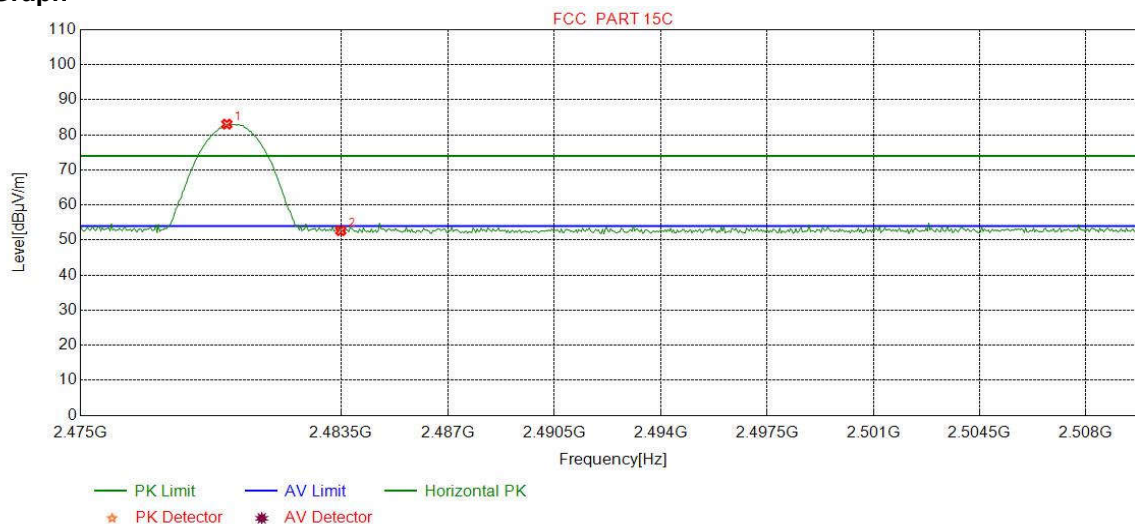
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2390.0000	32.25	13.37	-42.44	38.69	41.87	54.00	12.13	Pass	Vertical
2	2402.0275	32.26	13.31	-42.43	62.15	65.29	54.00	-11.29	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	Peak		

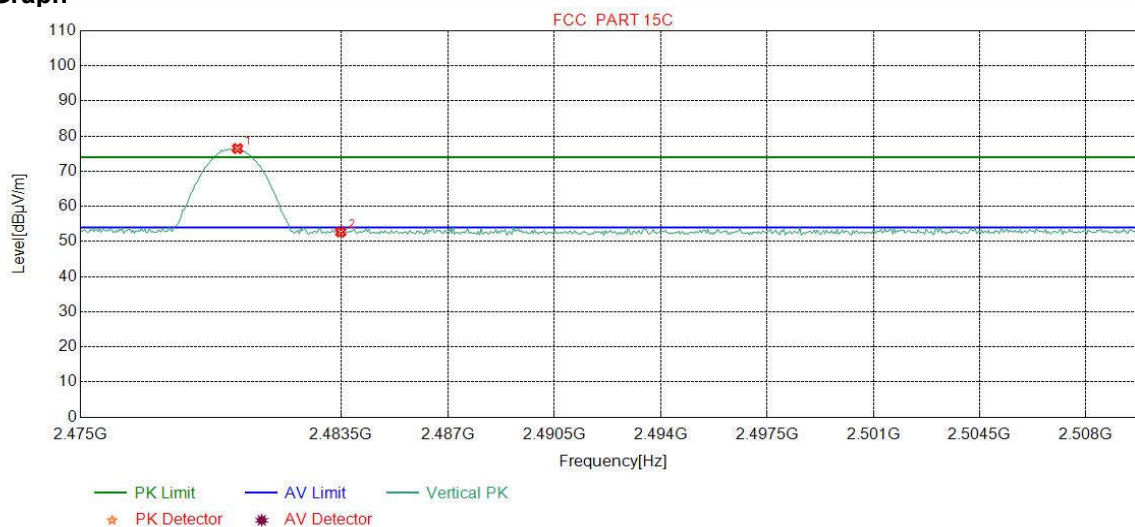
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2479.7747	32.37	13.39	-42.39	79.69	83.06	74.00	-9.06	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	49.30	52.66	74.00	21.34	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	Peak		

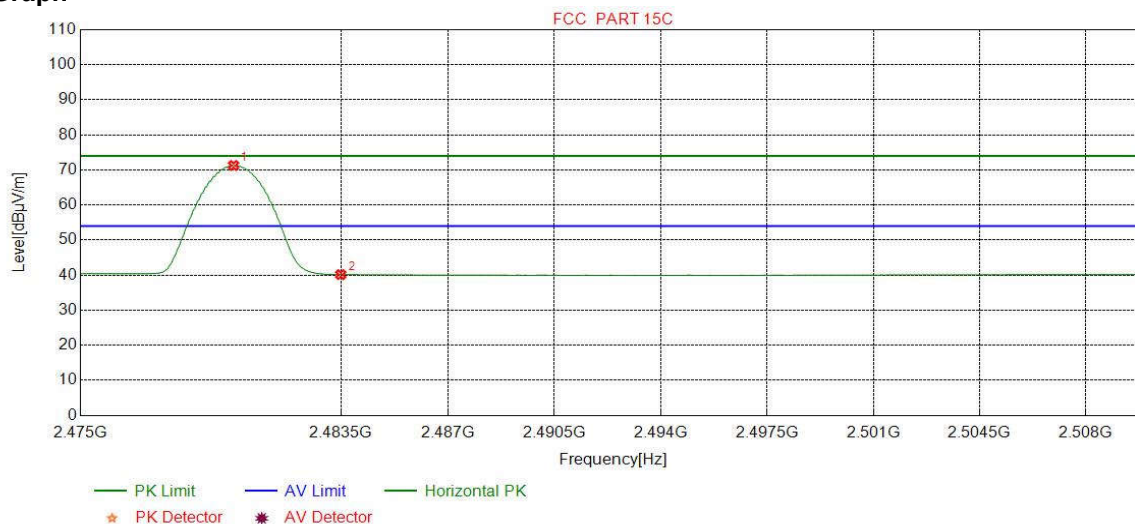
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2480.1252	32.37	13.39	-42.40	73.11	76.47	74.00	-2.47	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	49.33	52.69	74.00	21.31	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	AV		

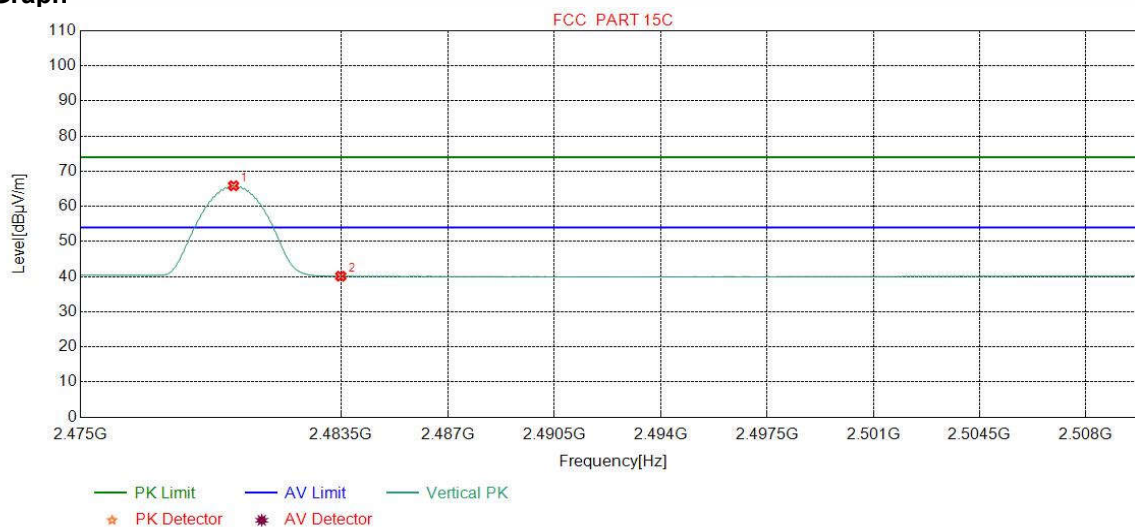
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2479.9937	32.37	13.39	-42.39	67.90	71.27	54.00	-17.27	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	36.78	40.14	54.00	13.86	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	AV		

Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity
1	2479.9937	32.37	13.39	-42.39	62.49	65.86	54.00	-11.86	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	36.76	40.12	54.00	13.88	Pass	Vertical

Note:

1) Through Pre-scan transmitter mode with all kind of modulation and all kind of data type, find the 1-DH5 of data type is the worse case of GFSK modulation type, the 2-DH5 of data type is the worse case of $\pi/4$ DQPSK modulation type, the 3-DH5 of data type is the worse case of 8DPSK modulation type in transmitter mode.

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 L): 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 camber. 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 table 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 (dBµV/m)	Remark	Measurement distance (m)
	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.				
Test Ambient:	Temp.: 24°C	Humid.: 56%	Press.: 101kPa		

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz

Mode:			GFSK Transmitting				Channel:		2402	
Remark:			QP							
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	48.0438	13.20	0.78	-32.12	43.41	25.27	40.00	14.73	Pass	Horizontal
2	84.0344	8.03	1.06	-32.08	50.49	27.50	40.00	12.50	Pass	Horizontal
3	107.9958	10.92	1.23	-32.07	54.93	35.01	43.50	8.49	Pass	Horizontal
4	192.0062	10.14	1.62	-31.96	59.75	39.55	43.50	3.95	Pass	Horizontal
5	408.0468	15.53	2.41	-31.82	49.44	35.56	46.00	10.44	Pass	Horizontal
6	816.0696	21.09	3.43	-31.95	35.78	28.35	46.00	17.65	Pass	Horizontal

Mode:			GFSK Transmitting				Channel:		2402	
Remark:			QP							
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	48.0438	13.20	0.78	-32.12	43.84	25.70	40.00	14.30	Pass	Vertical
2	95.9666	10.35	1.13	-32.07	57.26	36.67	43.50	6.83	Pass	Vertical
3	143.9864	7.34	1.41	-31.99	53.83	30.59	43.50	12.91	Pass	Vertical
4	208.0128	11.11	1.71	-31.95	47.75	28.62	43.50	14.88	Pass	Vertical
5	408.0468	15.53	2.41	-31.82	41.80	27.92	46.00	18.08	Pass	Vertical
6	696.0686	19.77	3.16	-32.09	32.90	23.74	46.00	22.26	Pass	Vertical

Mode:			π/4DQPSK Transmitting				Channel:		2480	
Remark:			QP							
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	48.0438	13.20	0.78	-32.12	43.63	25.49	40.00	14.51	Pass	Horizontal
2	107.9958	10.92	1.23	-32.07	53.58	33.66	43.50	9.84	Pass	Horizontal
3	168.0448	8.34	1.52	-31.96	56.30	34.20	43.50	9.30	Pass	Horizontal
4	192.0062	10.14	1.62	-31.96	59.33	39.13	43.50	4.37	Pass	Horizontal
5	360.0270	14.52	2.27	-31.84	48.40	33.35	46.00	12.65	Pass	Horizontal
6	456.0666	16.30	2.54	-31.86	47.87	34.85	46.00	11.15	Pass	Horizontal

Mode:			π/4DQPSK Transmitting				Channel:		2480	
Remark:			QP							
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	48.0438	13.20	0.78	-32.12	43.35	25.21	40.00	14.79	Pass	Vertical
2	95.9666	10.35	1.13	-32.07	55.22	34.63	43.50	8.87	Pass	Vertical
3	143.9864	7.34	1.41	-31.99	54.20	30.96	43.50	12.54	Pass	Vertical
4	208.8859	11.13	1.71	-31.94	46.50	27.40	43.50	16.10	Pass	Vertical
5	408.0468	15.53	2.41	-31.82	43.47	29.59	46.00	16.41	Pass	Vertical
6	625.0575	19.20	2.97	-31.98	34.76	24.95	46.00	21.05	Pass	Vertical

Mode:			8DPSK Transmitting				Channel:		2441	
Remark:			QP							
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	47.9468	13.20	0.78	-32.12	43.73	25.59	40.00	14.41	Pass	Horizontal
2	72.0052	8.62	0.97	-32.05	47.59	25.13	40.00	14.87	Pass	Horizontal
3	107.9958	10.92	1.23	-32.07	53.29	33.37	43.50	10.13	Pass	Horizontal
4	192.0062	10.14	1.62	-31.96	59.19	38.99	43.50	4.51	Pass	Horizontal
5	408.0468	15.53	2.41	-31.82	49.69	35.81	46.00	10.19	Pass	Horizontal
6	456.0666	16.30	2.54	-31.86	47.93	34.91	46.00	11.09	Pass	Horizontal

Mode:			8DPSK Transmitting				Channel:		2441	
Remark:			QP							
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	48.0438	13.20	0.78	-32.12	43.76	25.62	40.00	14.38	Pass	Vertical
2	95.9666	10.35	1.13	-32.07	55.05	34.46	43.50	9.04	Pass	Vertical
3	120.0250	9.20	1.30	-32.07	53.15	31.58	43.50	11.92	Pass	Vertical
4	143.9864	7.34	1.41	-31.99	54.13	30.89	43.50	12.61	Pass	Vertical
5	208.0128	11.11	1.71	-31.95	46.52	27.39	43.50	16.11	Pass	Vertical
6	408.0468	15.53	2.41	-31.82	43.59	29.71	46.00	16.29	Pass	Vertical

Remark : All the channels are tested, only the worst data were reported.

Transmitter Emission above 1GHz

Mode:		GFSK Transmitting					Channel:		2402		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1395.4395	28.30	2.89	-42.69	52.12	40.62	74.00	33.38	Pass	H	PK
2	2195.3195	31.97	3.65	-42.52	53.37	46.47	74.00	27.53	Pass	H	PK
3	3183.3122	33.27	4.62	-42.00	50.01	45.90	74.00	28.10	Pass	H	PK
4	4804.0000	34.50	4.55	-40.66	44.34	42.73	74.00	31.27	Pass	H	PK
5	7206.0000	36.31	5.81	-41.02	44.46	45.56	74.00	28.44	Pass	H	PK
6	9608.0000	37.64	6.63	-40.76	42.37	45.88	74.00	28.12	Pass	H	PK
7	1399.4399	28.30	2.90	-42.68	55.47	43.99	74.00	30.01	Pass	V	PK
8	2053.1053	31.77	3.56	-42.58	53.13	45.88	74.00	28.12	Pass	V	PK
9	3193.7129	33.28	4.64	-42.01	52.86	48.77	74.00	25.23	Pass	V	PK
10	4804.0000	34.50	4.55	-40.66	45.91	44.30	74.00	29.70	Pass	V	PK
11	7206.0000	36.31	5.81	-41.02	45.12	46.22	74.00	27.78	Pass	V	PK
12	9608.0000	37.64	6.63	-40.76	42.30	45.81	74.00	28.19	Pass	V	PK

Mode:		GFSK Transmitting					Channel:		2441		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1592.6593	29.01	3.06	-42.88	52.35	41.54	74.00	32.46	Pass	H	PK
2	2008.9009	31.71	3.49	-42.61	50.55	43.14	74.00	30.86	Pass	H	PK
3	3003.2502	33.20	4.92	-42.11	50.24	46.25	74.00	27.75	Pass	H	PK
4	4882.0000	34.50	4.81	-40.60	45.34	44.05	74.00	29.95	Pass	H	PK
5	7323.0000	36.42	5.85	-40.91	44.09	45.45	74.00	28.55	Pass	H	PK
6	9764.0000	37.71	6.71	-40.62	41.43	45.23	74.00	28.77	Pass	H	PK
7	1394.8395	28.29	2.89	-42.68	55.55	44.05	74.00	29.95	Pass	V	PK
8	1938.0938	31.29	3.42	-42.64	54.61	46.68	74.00	27.32	Pass	V	PK
9	3073.4549	33.23	4.78	-42.08	50.13	46.06	74.00	27.94	Pass	V	PK
10	4882.0000	34.50	4.81	-40.60	44.34	43.05	74.00	30.95	Pass	V	PK
11	7323.0000	36.42	5.85	-40.91	43.70	45.06	74.00	28.94	Pass	V	PK
12	9764.0000	37.71	6.71	-40.62	42.17	45.97	74.00	28.03	Pass	V	PK

Mode:		GFSK Transmitting					Channel:		2480		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1501.8502	28.41	2.99	-42.67	51.32	40.05	74.00	33.95	Pass	H	PK
2	2081.5082	31.81	3.57	-42.57	51.64	44.45	74.00	29.55	Pass	H	PK
3	2972.3972	33.16	4.47	-42.14	50.52	46.01	74.00	27.99	Pass	H	PK
4	4960.0000	34.50	4.82	-40.53	46.83	45.62	74.00	28.38	Pass	H	PK
5	7440.0000	36.54	5.85	-40.82	43.09	44.66	74.00	29.34	Pass	H	PK
6	9920.0000	37.77	6.79	-40.48	41.64	45.72	74.00	28.28	Pass	H	PK
7	1394.0394	28.29	2.89	-42.68	55.99	44.49	74.00	29.51	Pass	V	PK
8	1960.6961	31.44	3.43	-42.63	54.02	46.26	74.00	27.74	Pass	V	PK
9	3180.0620	33.27	4.62	-42.01	49.87	45.75	74.00	28.25	Pass	V	PK
10	4960.0000	34.50	4.82	-40.53	44.40	43.19	74.00	30.81	Pass	V	PK
11	7440.0000	36.54	5.85	-40.82	42.83	44.40	74.00	29.60	Pass	V	PK
12	9920.0000	37.77	6.79	-40.48	41.45	45.53	74.00	28.47	Pass	V	PK

Mode:		π/4DQPSK Transmitting					Channel:		2402		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1329.2329	28.23	2.79	-42.75	50.92	39.19	74.00	34.81	Pass	H	PK
2	1993.4994	31.66	3.46	-42.61	51.15	43.66	74.00	30.34	Pass	H	PK
3	3170.9614	33.27	4.60	-42.02	50.23	46.08	74.00	27.92	Pass	H	PK
4	4804.0000	34.50	4.55	-40.66	44.27	42.66	74.00	31.34	Pass	H	PK
5	7206.0000	36.31	5.81	-41.02	44.32	45.42	74.00	28.58	Pass	H	PK
6	9608.0000	37.64	6.63	-40.76	43.14	46.65	74.00	27.35	Pass	H	PK
7	1298.6299	28.20	2.75	-42.79	56.33	44.49	74.00	29.51	Pass	V	PK
8	1861.8862	30.79	3.39	-42.68	55.56	47.06	74.00	26.94	Pass	V	PK
9	2838.3838	32.94	4.23	-42.20	53.17	48.14	74.00	25.86	Pass	V	PK
10	4804.0000	34.50	4.55	-40.66	45.68	44.07	74.00	29.93	Pass	V	PK
11	7206.0000	36.31	5.81	-41.02	44.54	45.64	74.00	28.36	Pass	V	PK
12	9608.0000	37.64	6.63	-40.76	42.17	45.68	74.00	28.32	Pass	V	PK

Mode:		$\pi/4$ DQPSK Transmitting					Channel:		2441		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1596.8597	29.04	3.07	-42.90	52.56	41.77	74.00	32.23	Pass	H	PK
2	2880.5881	33.01	4.32	-42.18	51.83	46.98	74.00	27.02	Pass	H	PK
3	4882.0000	34.50	4.81	-40.60	44.64	43.35	74.00	30.65	Pass	H	PK
4	7323.0000	36.42	5.85	-40.91	43.54	44.90	74.00	29.10	Pass	H	PK
5	9764.0000	37.71	6.71	-40.62	41.72	45.52	74.00	28.48	Pass	H	PK
6	12205.0000	39.42	7.67	-41.16	41.24	47.17	74.00	26.83	Pass	H	PK
7	1393.6394	28.29	2.89	-42.68	56.67	45.17	74.00	28.83	Pass	V	PK
8	3199.5633	33.28	4.65	-42.00	49.83	45.76	74.00	28.24	Pass	V	PK
9	4882.0000	34.50	4.81	-40.60	43.73	42.44	74.00	31.56	Pass	V	PK
10	7323.0000	36.42	5.85	-40.91	44.09	45.45	74.00	28.55	Pass	V	PK
11	9764.0000	37.71	6.71	-40.62	41.76	45.56	74.00	28.44	Pass	V	PK
12	12205.0000	39.42	7.67	-41.16	41.52	47.45	74.00	26.55	Pass	V	PK

Mode:		$\pi/4$ DQPSK Transmitting					Channel:		2480		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dB μ V]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Result	Polarity	Remark
1	1599.0599	29.05	3.07	-42.89	51.80	41.03	74.00	32.97	Pass	H	PK
2	2192.7193	31.97	3.65	-42.53	51.98	45.07	74.00	28.93	Pass	H	PK
3	3365.9744	33.35	4.53	-41.90	49.83	45.81	74.00	28.19	Pass	H	PK
4	4804.0000	34.50	4.55	-40.66	45.05	43.44	74.00	30.56	Pass	H	PK
5	7206.0000	36.31	5.81	-41.02	43.60	44.70	74.00	29.30	Pass	H	PK
6	9608.0000	37.64	6.63	-40.76	41.25	44.76	74.00	29.24	Pass	H	PK
7	1394.6395	28.29	2.89	-42.68	55.76	44.26	74.00	29.74	Pass	V	PK
8	1878.8879	30.90	3.40	-42.67	54.83	46.46	74.00	27.54	Pass	V	PK
9	3189.1626	33.28	4.63	-42.01	50.71	46.61	74.00	27.39	Pass	V	PK
10	4960.0000	34.50	4.82	-40.53	46.16	44.95	74.00	29.05	Pass	V	PK
11	7440.0000	36.54	5.85	-40.82	43.43	45.00	74.00	29.00	Pass	V	PK
12	9920.0000	37.77	6.79	-40.48	41.38	45.46	74.00	28.54	Pass	V	PK

Mode:		8DPSK Transmitting					Channel:		2402		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1390.0390	28.29	2.88	-42.69	53.43	41.91	74.00	32.09	Pass	H	PK
2	1976.4977	31.54	3.45	-42.62	50.95	43.32	74.00	30.68	Pass	H	PK
3	3048.7533	33.22	4.83	-42.09	49.78	45.74	74.00	28.26	Pass	H	PK
4	4804.0000	34.50	4.55	-40.66	44.64	43.03	74.00	30.97	Pass	H	PK
5	7206.0000	36.31	5.81	-41.02	45.36	46.46	74.00	27.54	Pass	H	PK
6	9608.0000	37.64	6.63	-40.76	41.64	45.15	74.00	28.85	Pass	H	PK
7	1394.6395	28.29	2.89	-42.68	55.86	44.36	74.00	29.64	Pass	V	PK
8	1968.2968	31.49	3.44	-42.63	55.22	47.52	74.00	26.48	Pass	V	PK
9	2996.5997	33.19	4.54	-42.12	52.03	47.64	74.00	26.36	Pass	V	PK
10	4804.0000	34.50	4.55	-40.66	45.09	43.48	74.00	30.52	Pass	V	PK
11	7206.0000	36.31	5.81	-41.02	44.89	45.99	74.00	28.01	Pass	V	PK
12	9608.0000	37.64	6.63	-40.76	41.55	45.06	74.00	28.94	Pass	V	PK

Mode:		8DPSK Transmitting					Channel:		2441		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1420.8421	28.32	2.92	-42.68	52.10	40.66	74.00	33.34	Pass	H	PK
2	1922.4922	31.19	3.42	-42.65	51.36	43.32	74.00	30.68	Pass	H	PK
3	3002.6002	33.20	4.92	-42.11	50.25	46.26	74.00	27.74	Pass	H	PK
4	4882.0000	34.50	4.81	-40.60	44.46	43.17	74.00	30.83	Pass	H	PK
5	7323.0000	36.42	5.85	-40.91	43.96	45.32	74.00	28.68	Pass	H	PK
6	9764.0000	37.71	6.71	-40.62	41.92	45.72	74.00	28.28	Pass	H	PK
7	1395.0395	28.30	2.89	-42.69	55.33	43.83	74.00	30.17	Pass	V	PK
8	1878.4878	30.90	3.40	-42.67	55.81	47.44	74.00	26.56	Pass	V	PK
9	3143.6596	33.26	4.59	-42.04	50.71	46.52	74.00	27.48	Pass	V	PK
10	4882.0000	34.50	4.81	-40.60	44.04	42.75	74.00	31.25	Pass	V	PK
11	7323.0000	36.42	5.85	-40.91	43.40	44.76	74.00	29.24	Pass	V	PK
12	9764.0000	37.71	6.71	-40.62	42.53	46.33	74.00	27.67	Pass	V	PK

Mode:		8DPSK Transmitting					Channel:		2480		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1408.0408	28.31	2.91	-42.68	51.85	40.39	74.00	33.61	Pass	H	PK
2	1989.4990	31.63	3.46	-42.62	50.92	43.39	74.00	30.61	Pass	H	PK
3	3057.2038	33.22	4.81	-42.08	50.04	45.99	74.00	28.01	Pass	H	PK
4	4960.0000	34.50	4.82	-40.53	44.39	43.18	74.00	30.82	Pass	H	PK
5	7440.0000	36.54	5.85	-40.82	44.61	46.18	74.00	27.82	Pass	H	PK
6	9920.0000	37.77	6.79	-40.48	41.77	45.85	74.00	28.15	Pass	H	PK
7	1397.0397	28.30	2.90	-42.69	55.24	43.75	74.00	30.25	Pass	V	PK
8	1838.6839	30.64	3.37	-42.70	56.27	47.58	74.00	26.42	Pass	V	PK
9	2847.5848	32.96	4.23	-42.21	52.62	47.60	74.00	26.40	Pass	V	PK
10	4960.0000	34.50	4.82	-40.53	45.02	43.81	74.00	30.19	Pass	V	PK
11	7440.0000	36.54	5.85	-40.82	43.13	44.70	74.00	29.30	Pass	V	PK
12	9920.0000	37.77	6.79	-40.48	40.31	44.39	74.00	29.61	Pass	V	PK

Note:

1) Through Pre-scan transmitter mode with all kind of modulation and all kind of data type, find the 1-DH5 of data type is the worse case of GFSK modulation type, the 2-DH5 of data type is the worse case of $\pi/4$ DQPSK modulation type, the 3-DH5 of data type is the worse case of 8DPSK modulation type in transmitter mode.

2) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak values are measured.

3) 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

4) 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 model No.: ERUB101



Radiated spurious emission Test Setup-1(Below 30MHz)



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



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



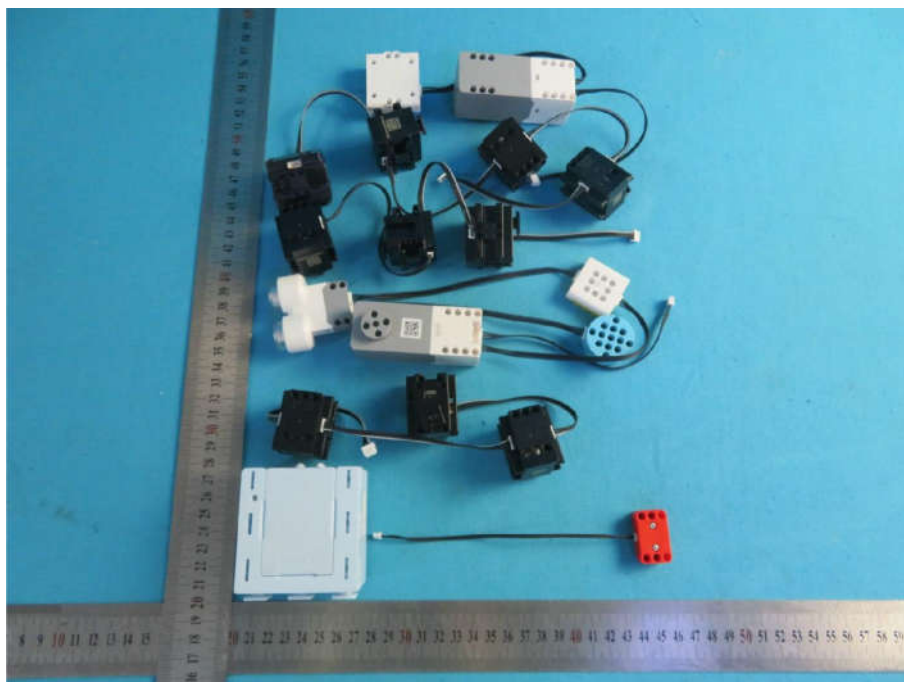
Conducted Emissions Test Setup

PHOTOGRAPHS OF EUT Constructional Details

Test model No.: ERUB101



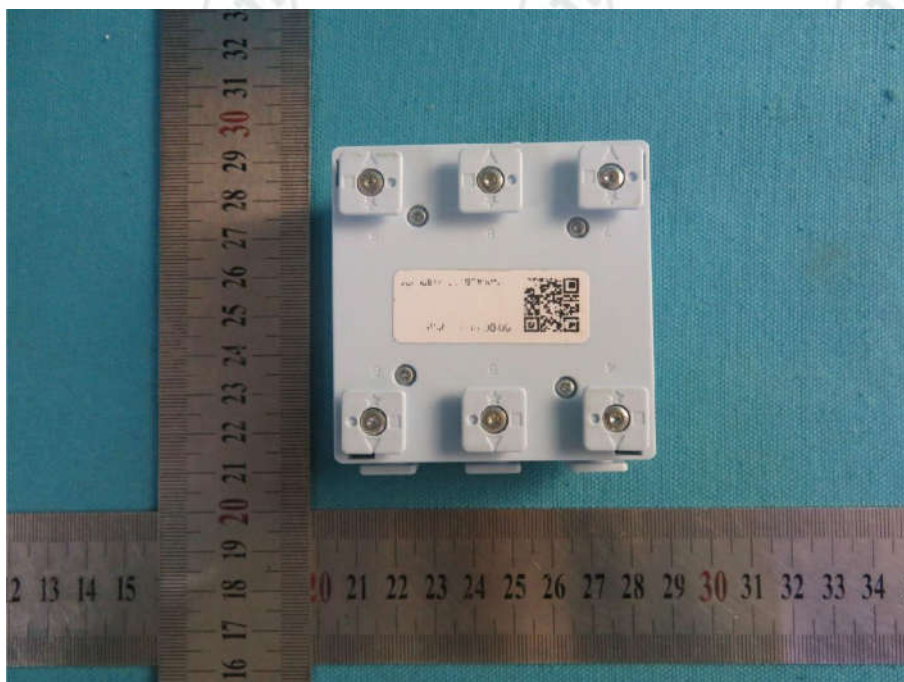
View of Product-1



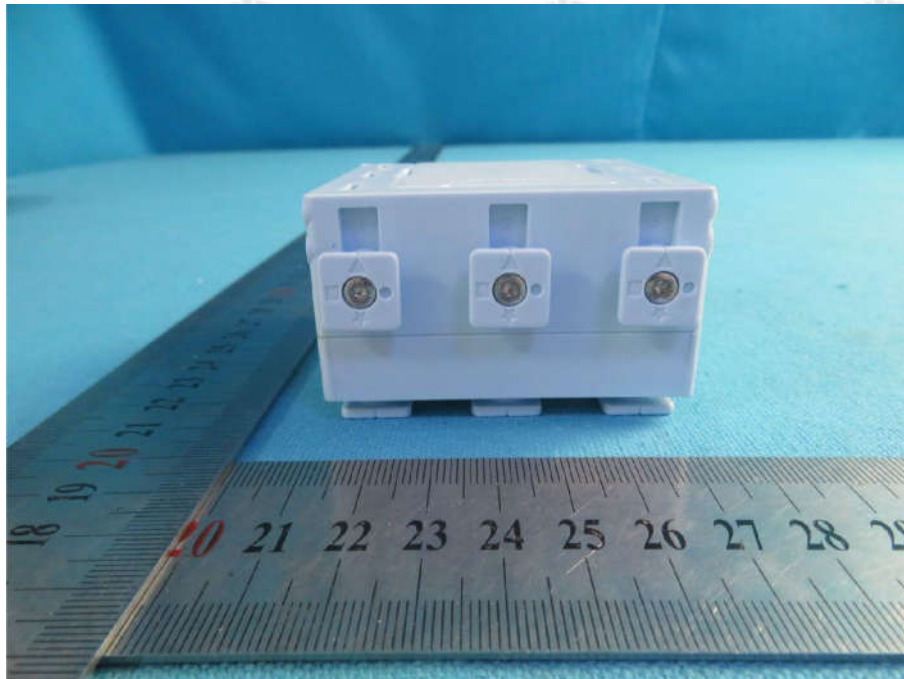
View of Product-2



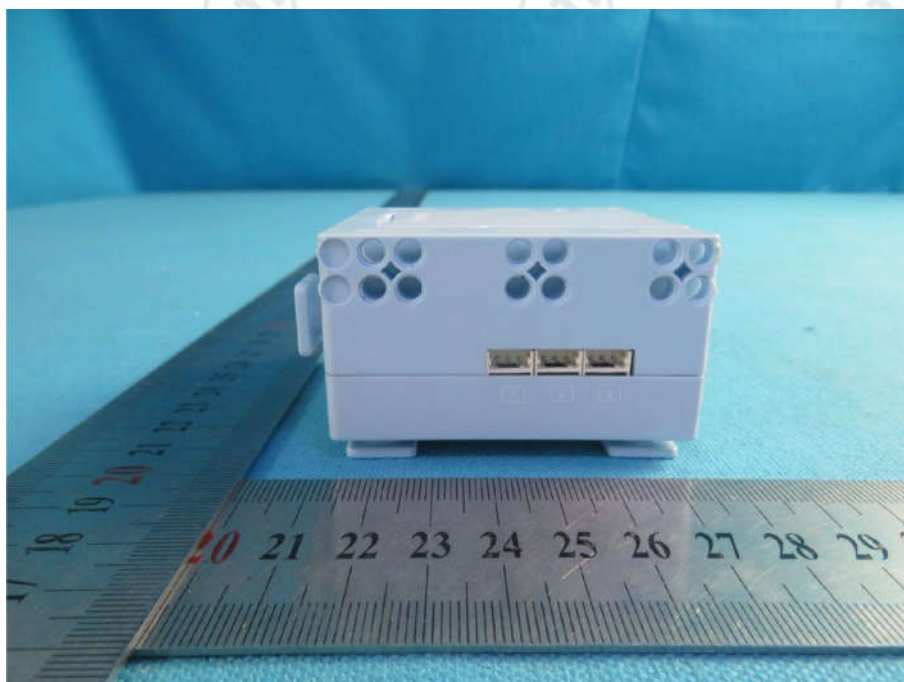
View of Product-3



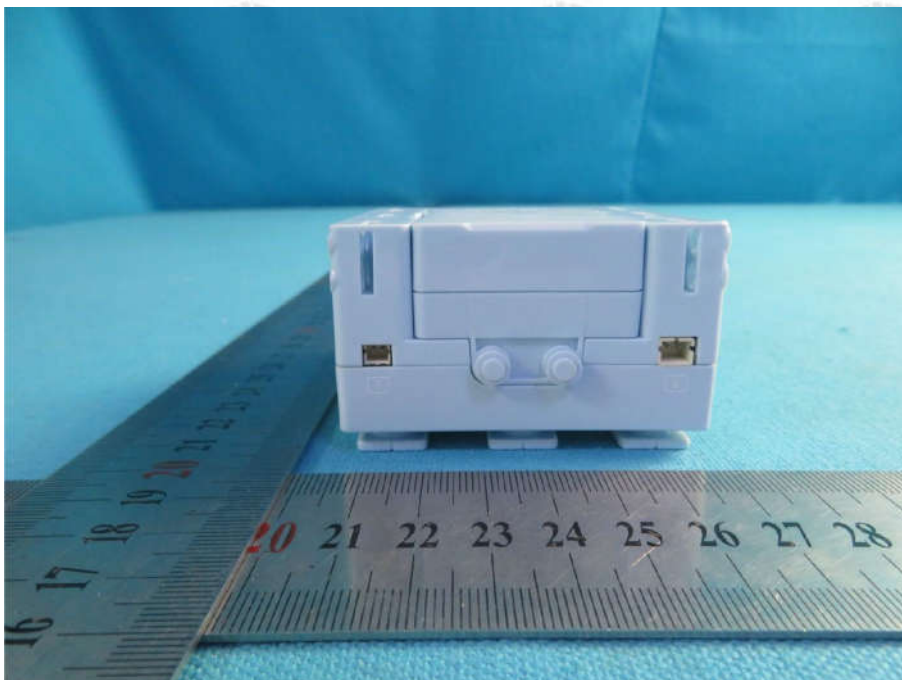
View of Product-4



View of Product-5



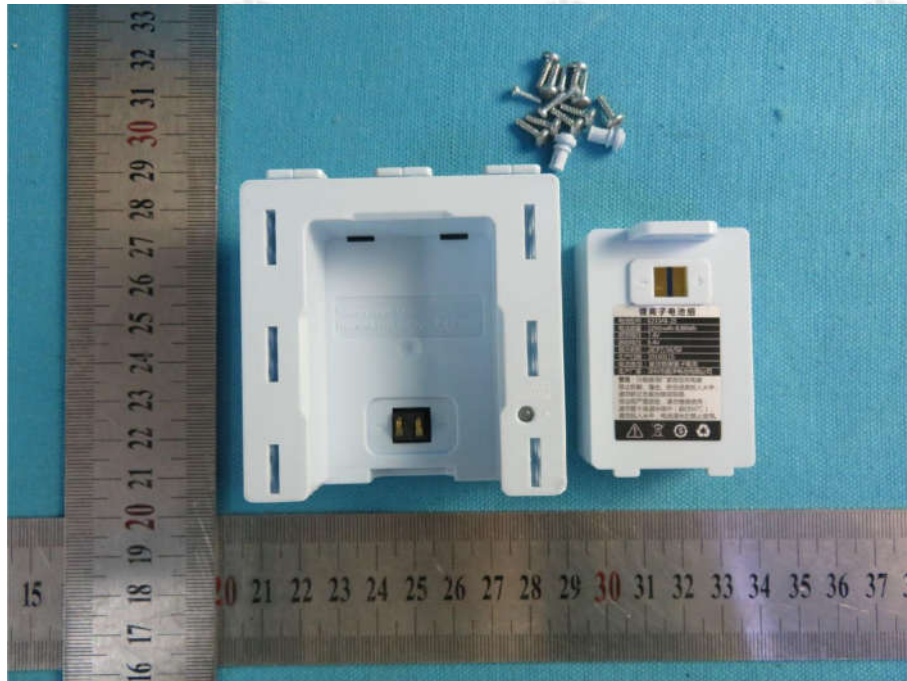
View of Product-6



View of Product-7



View of Product-8



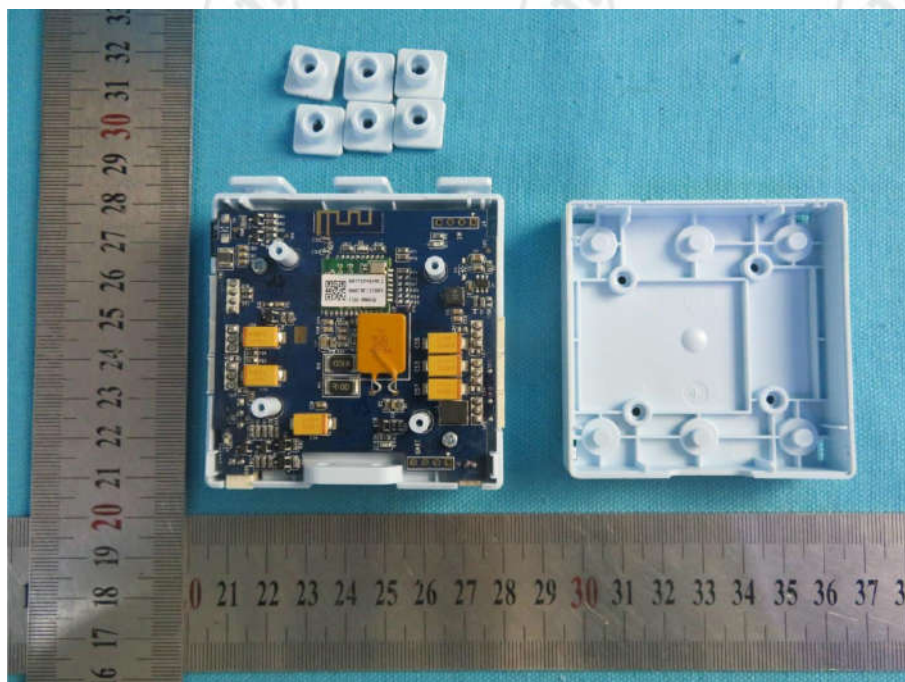
View of Product-9



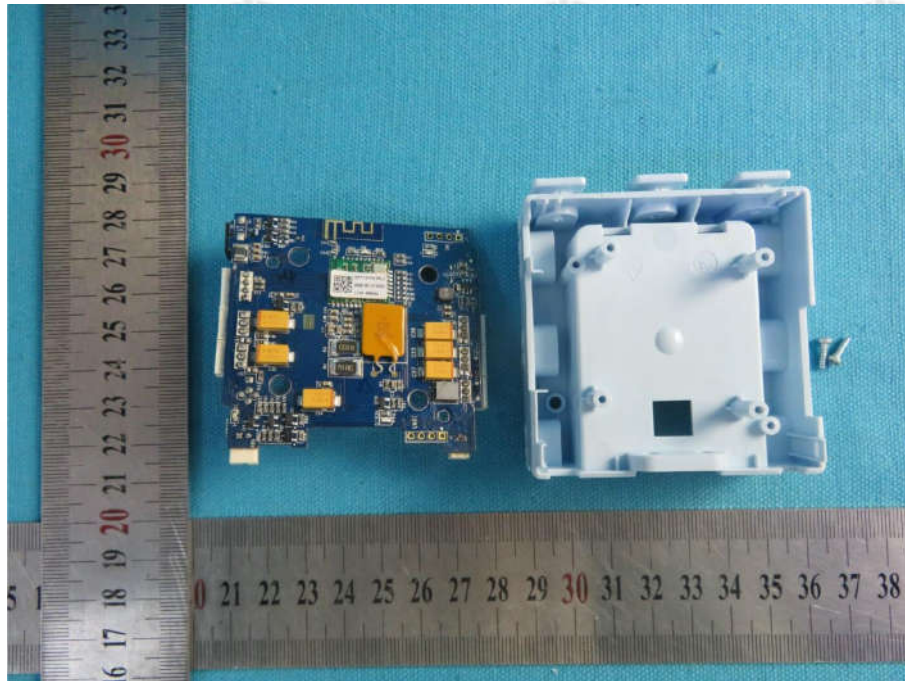
View of Product-10



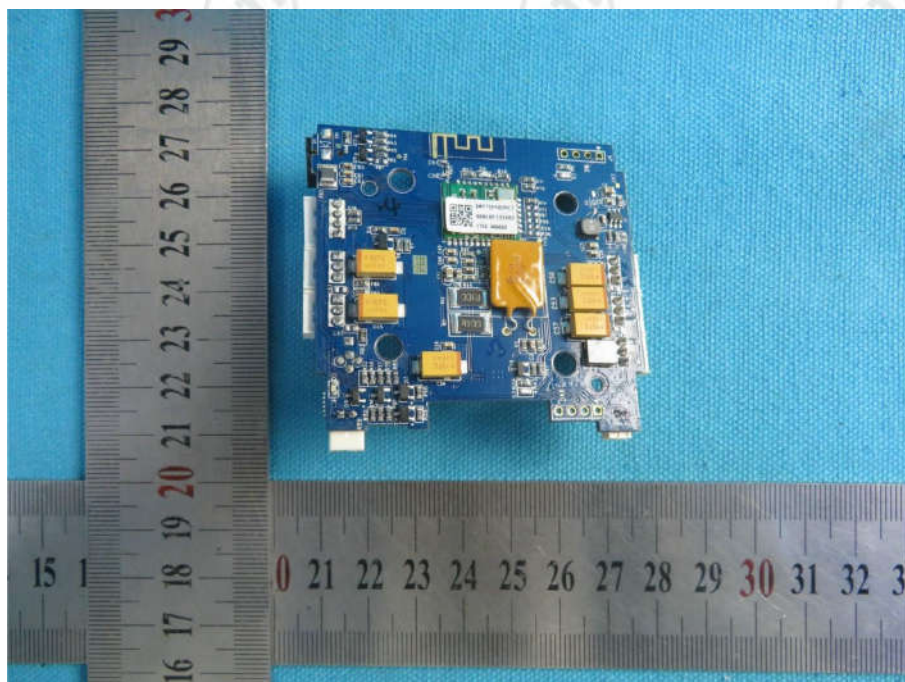
View of Product-11



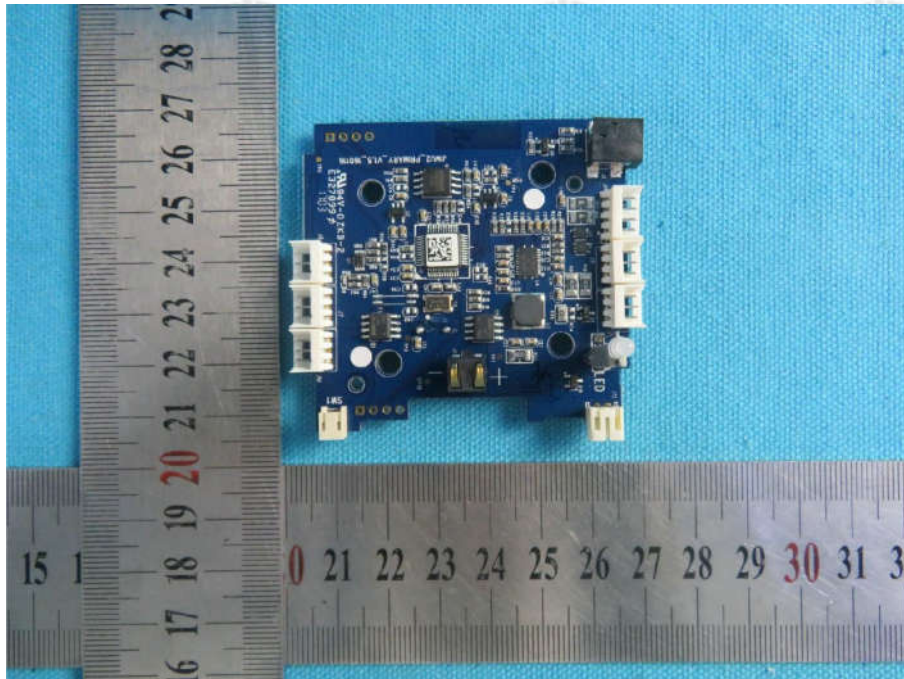
View of Product-12



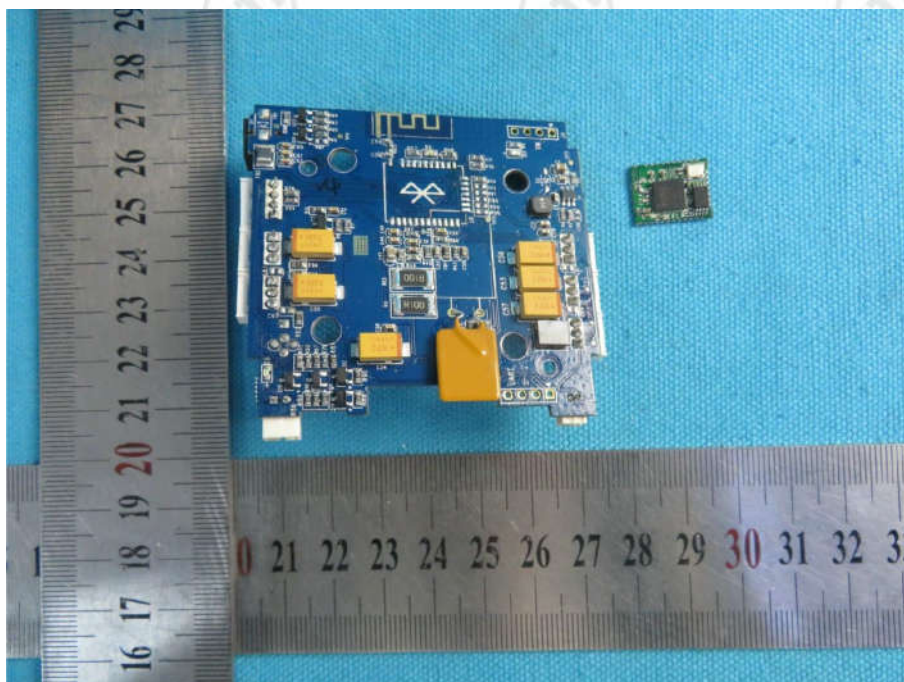
View of Product-13



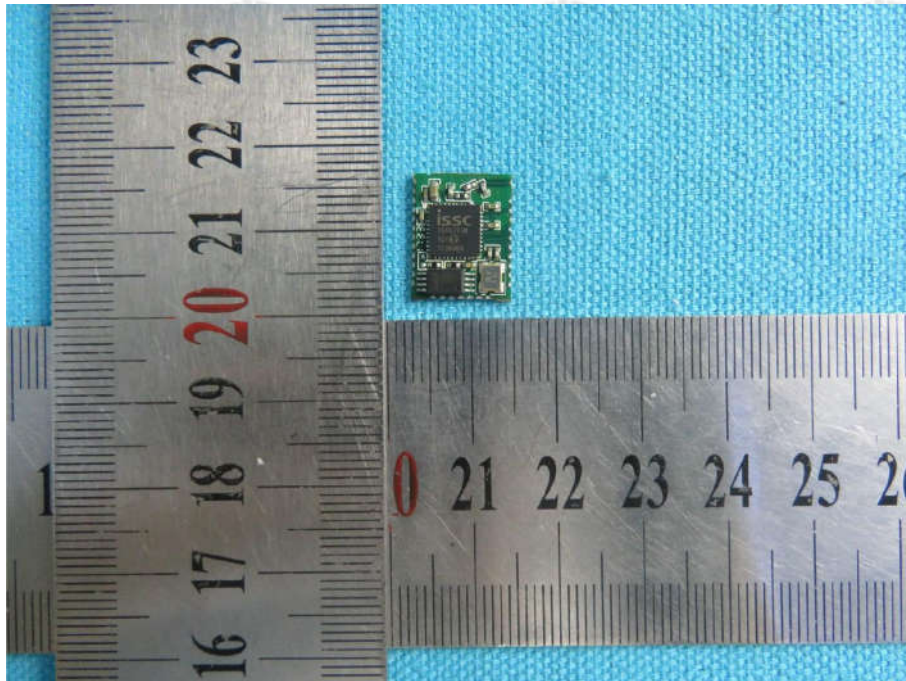
View of Product-14



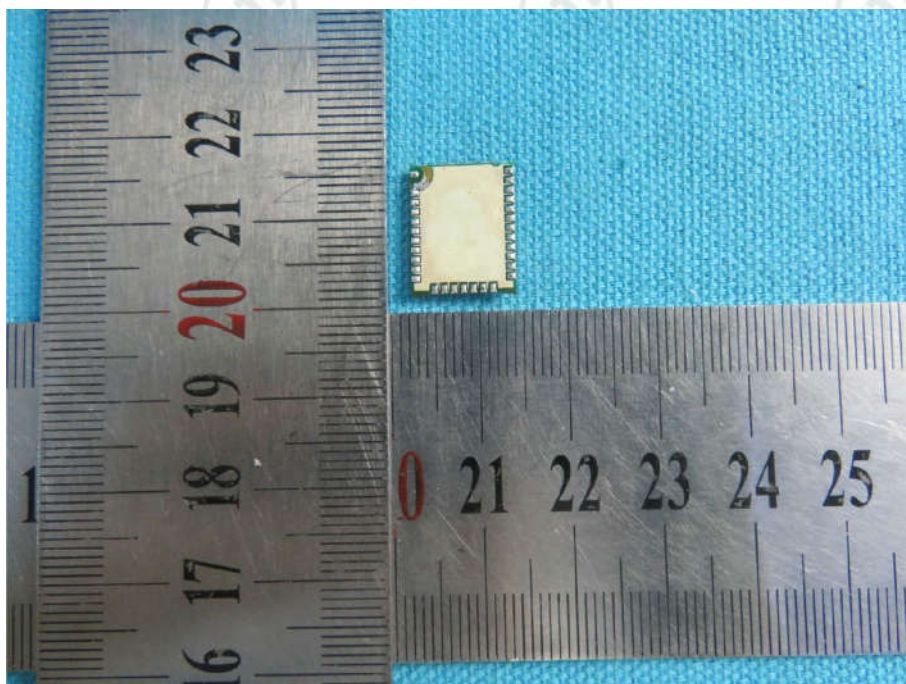
View of Product-15



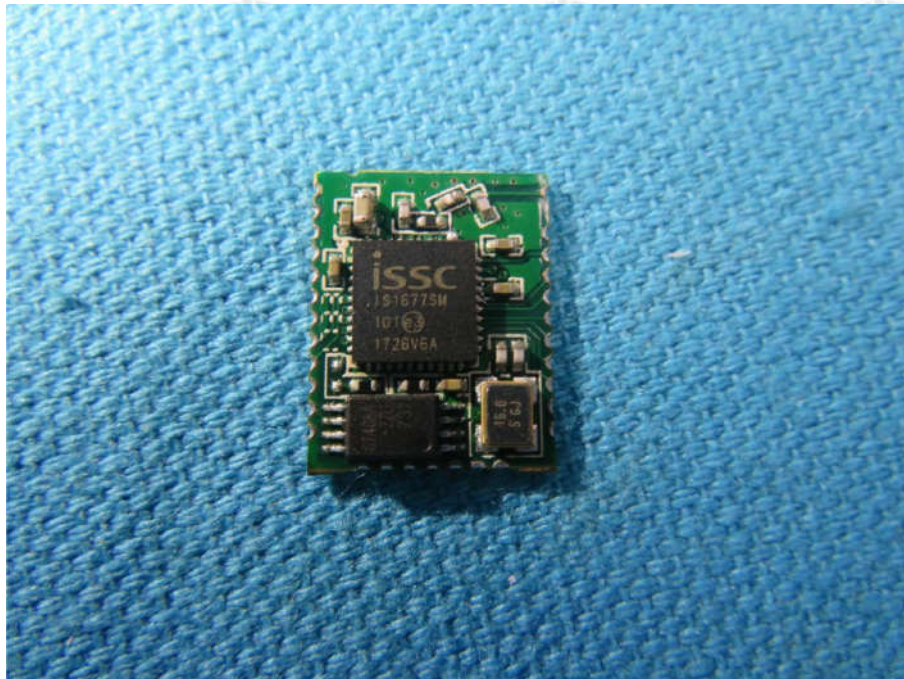
View of Product-16



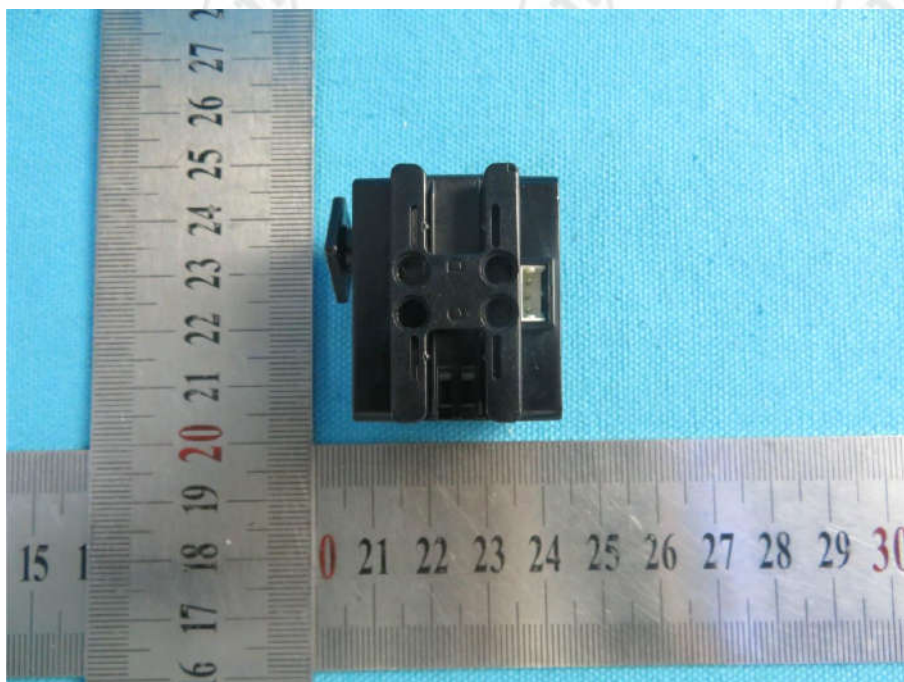
View of Product-17



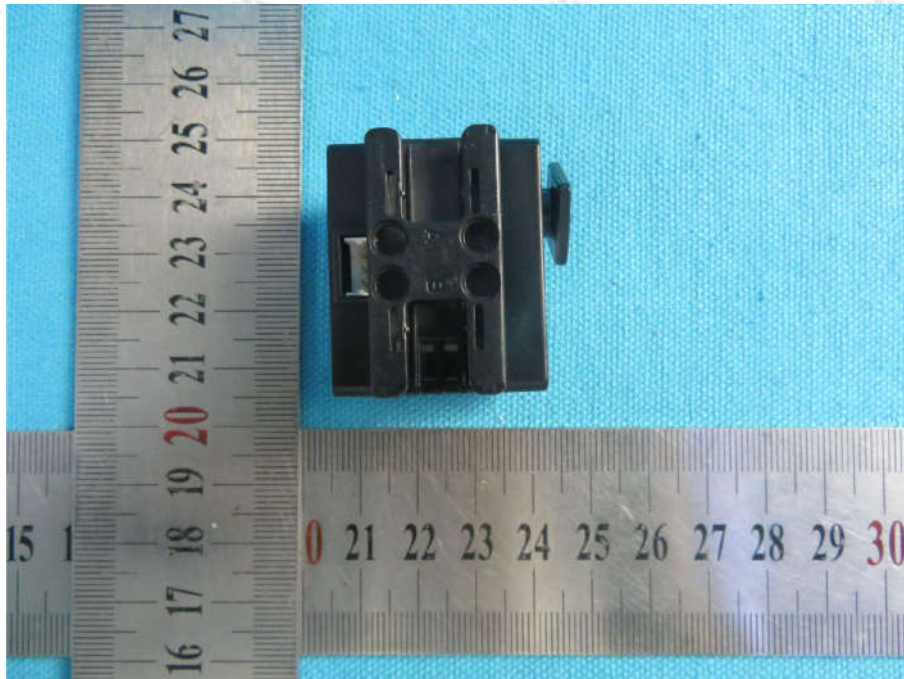
View of Product-18



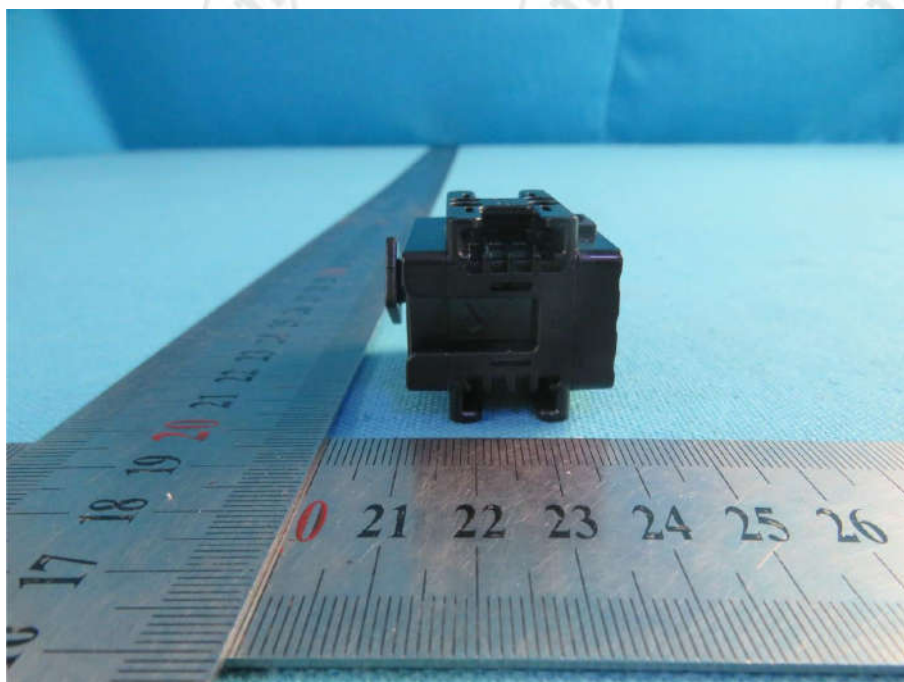
View of Product-19



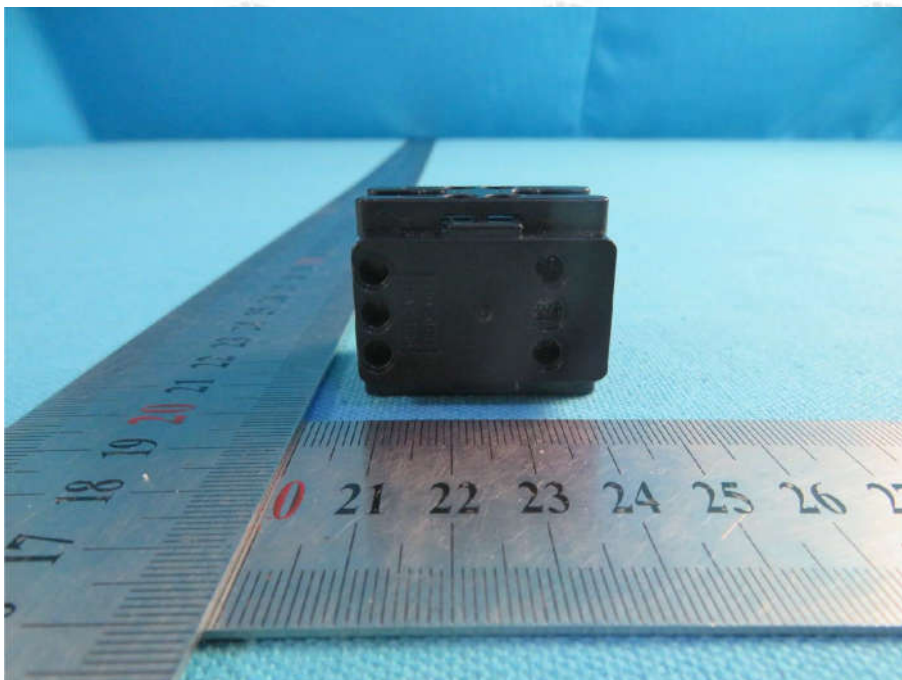
View of Product-20



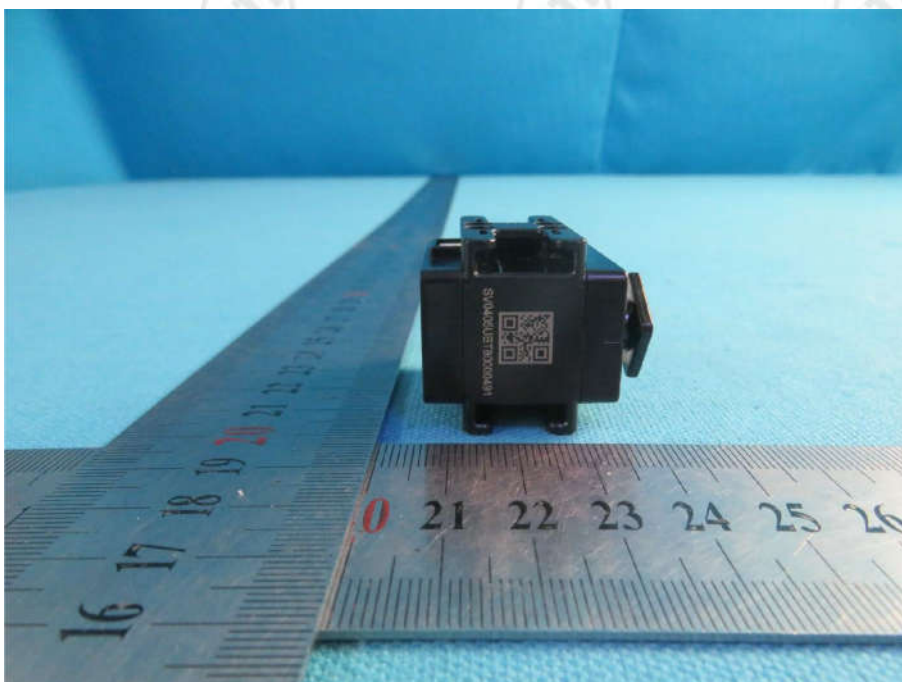
View of Product-21



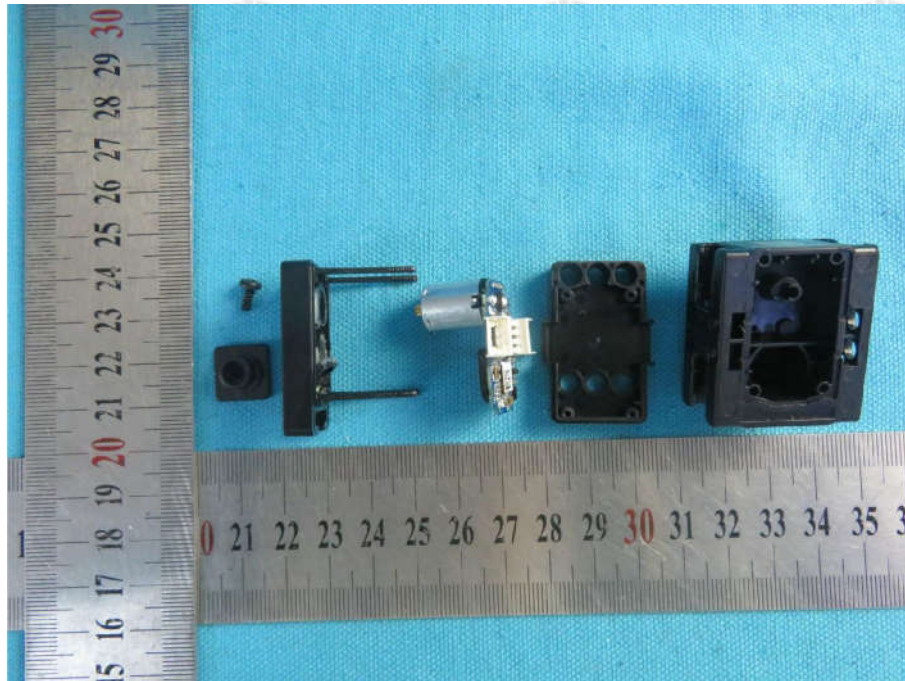
View of Product-22



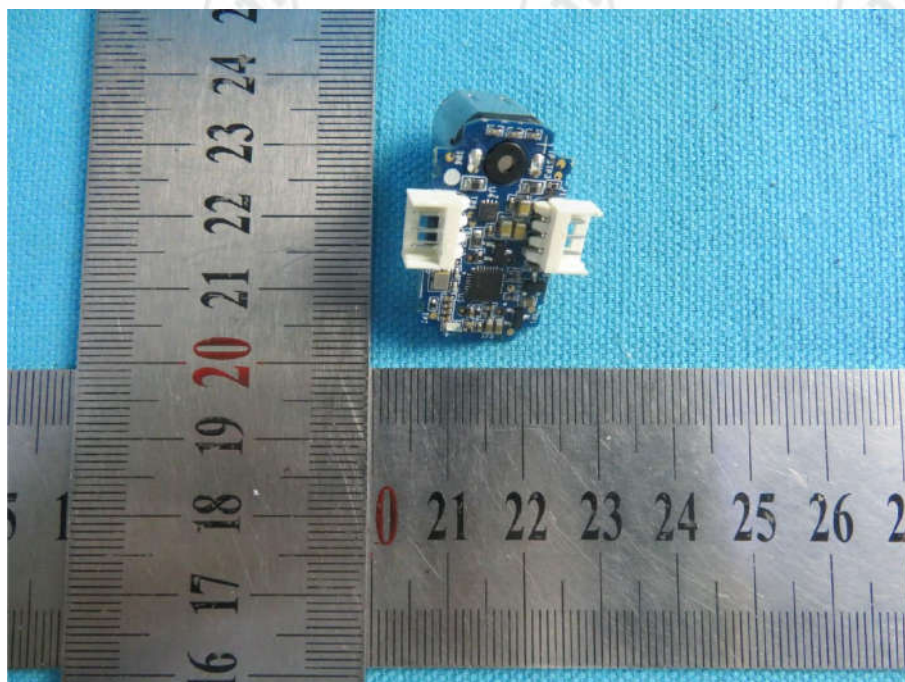
View of Product-23



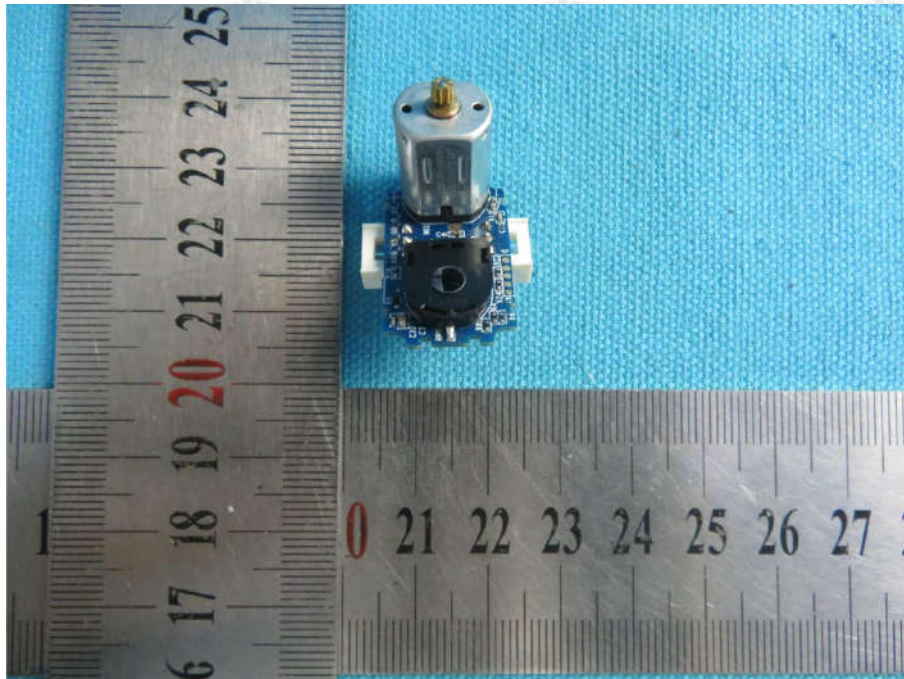
View of Product-24



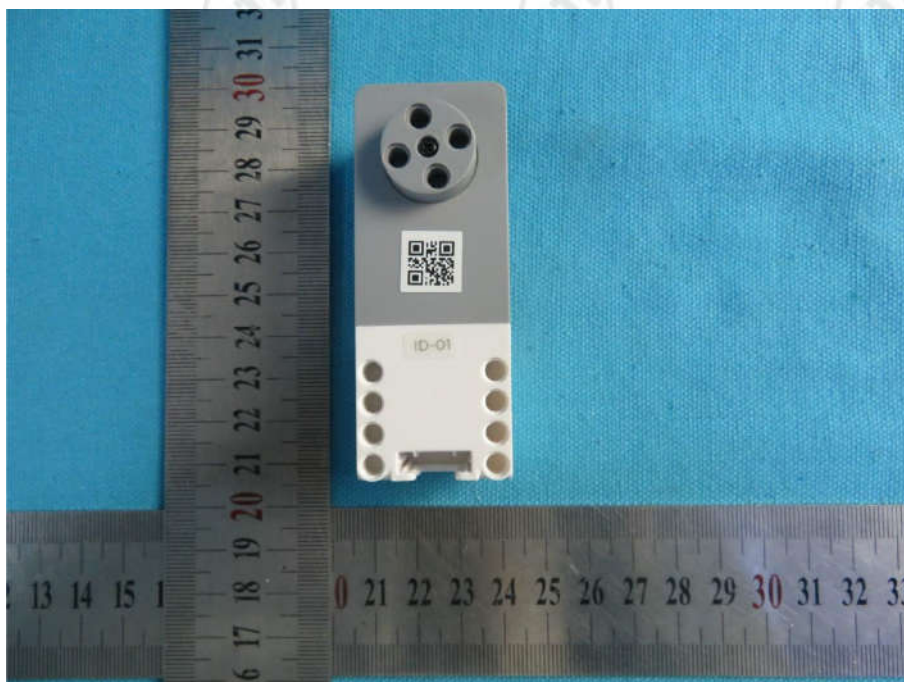
View of Product-25



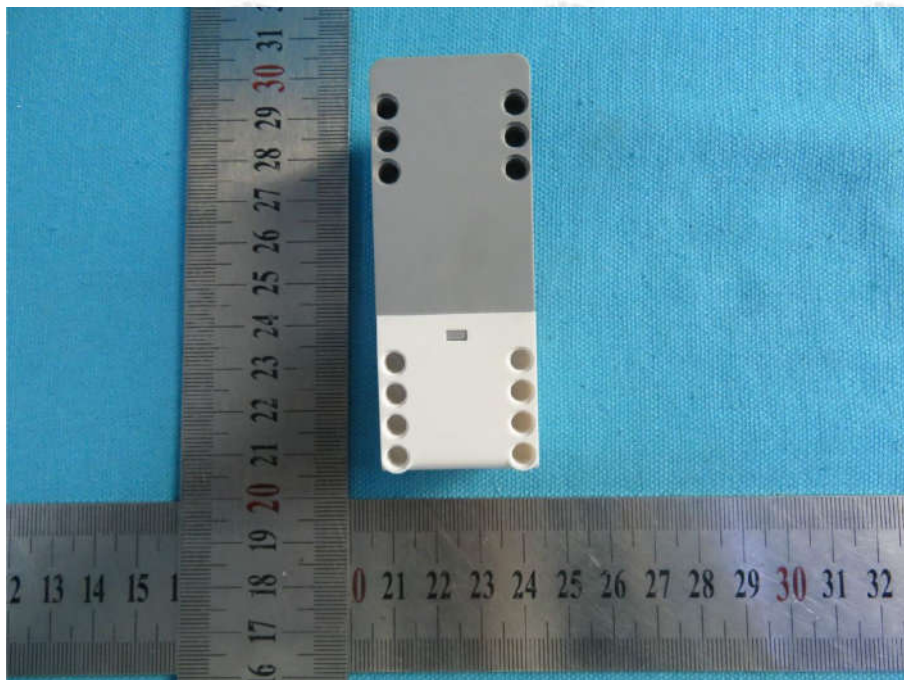
View of Product-26



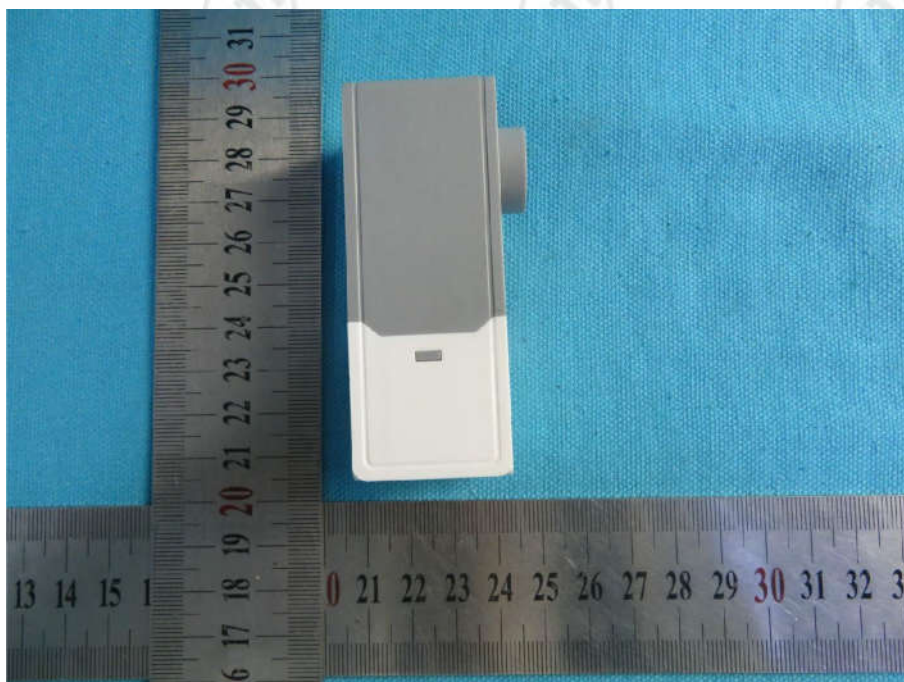
View of Product-27



View of Product-28



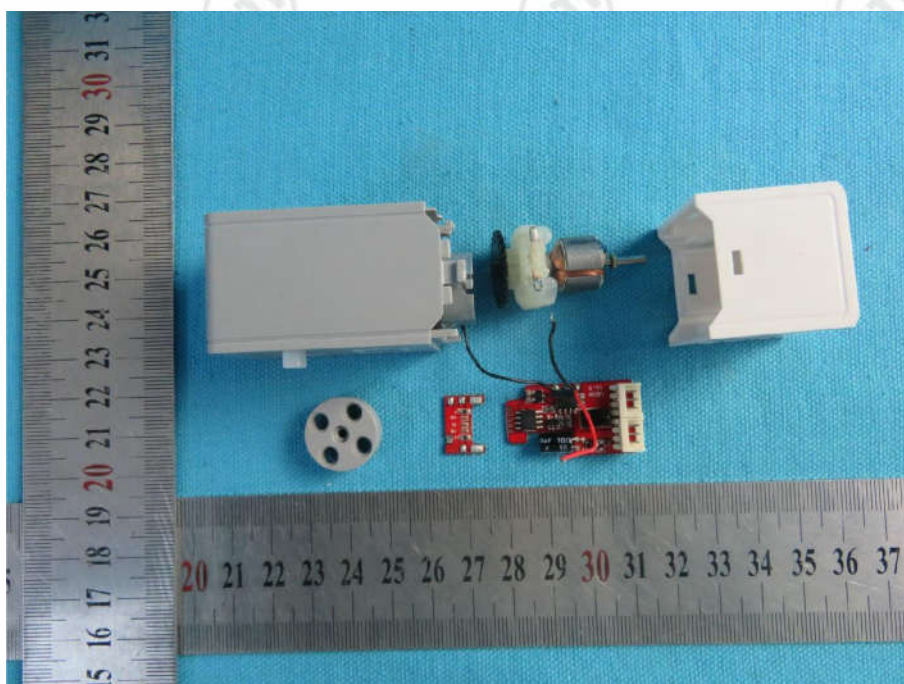
View of Product-29



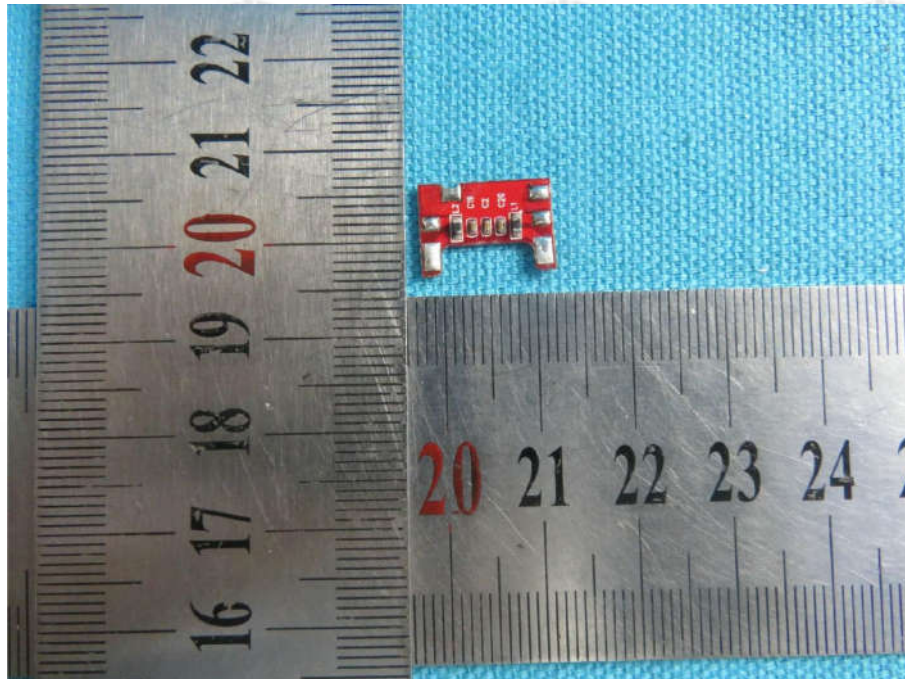
View of Product-30



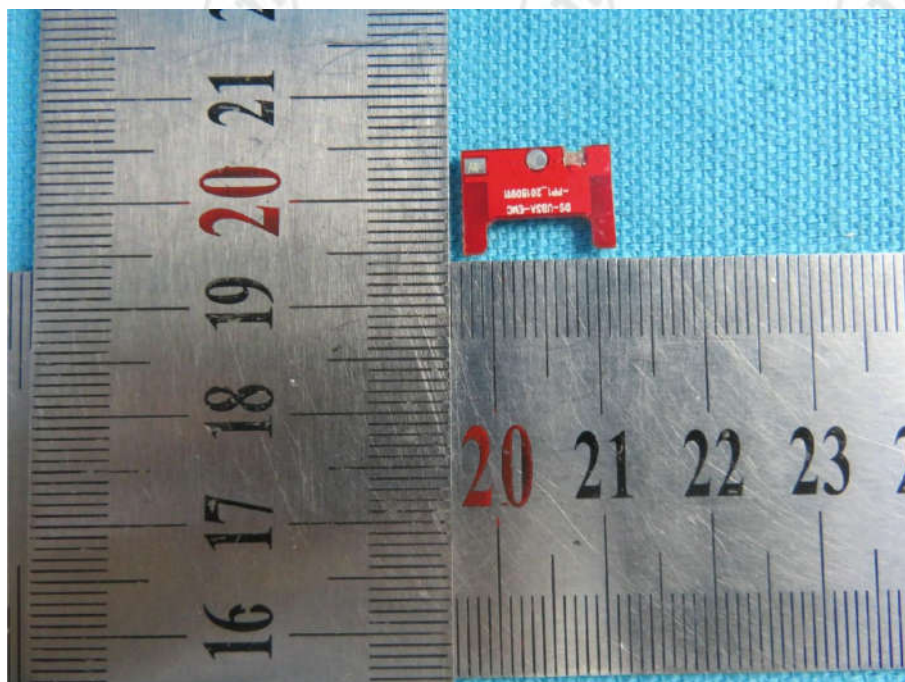
View of Product-31



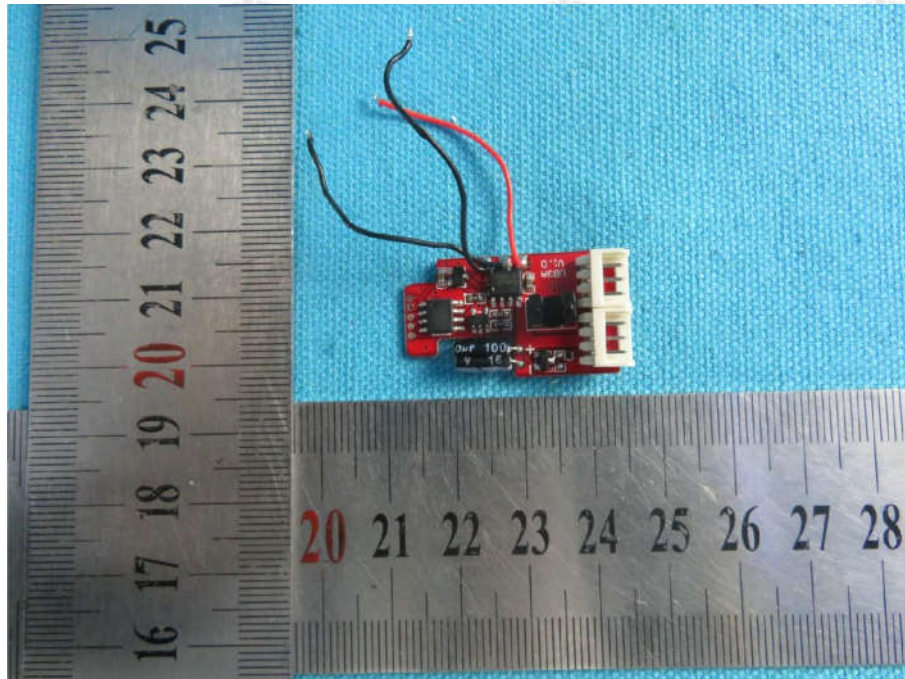
View of Product-32



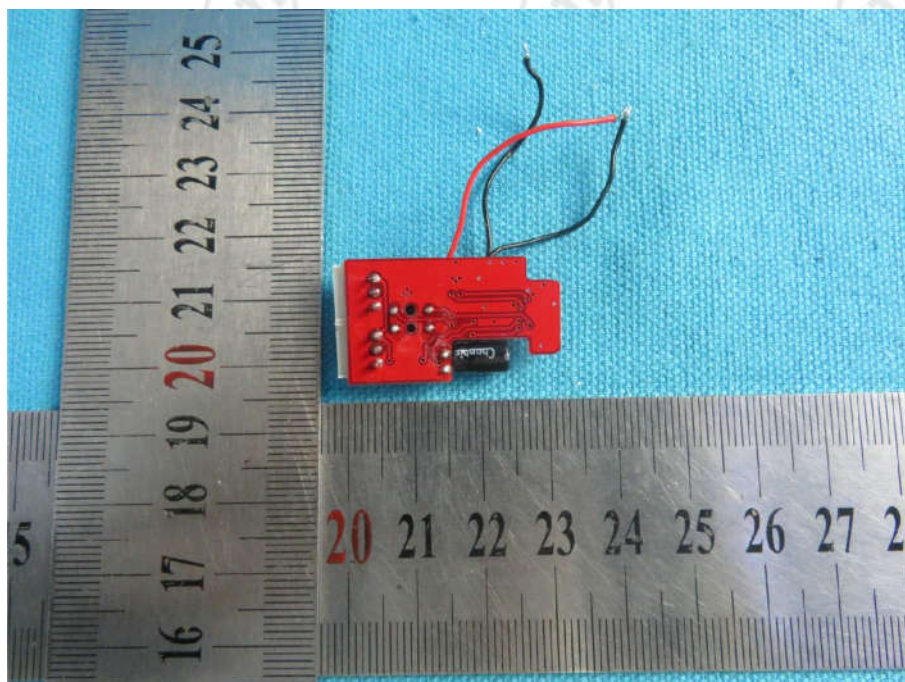
View of Product-33



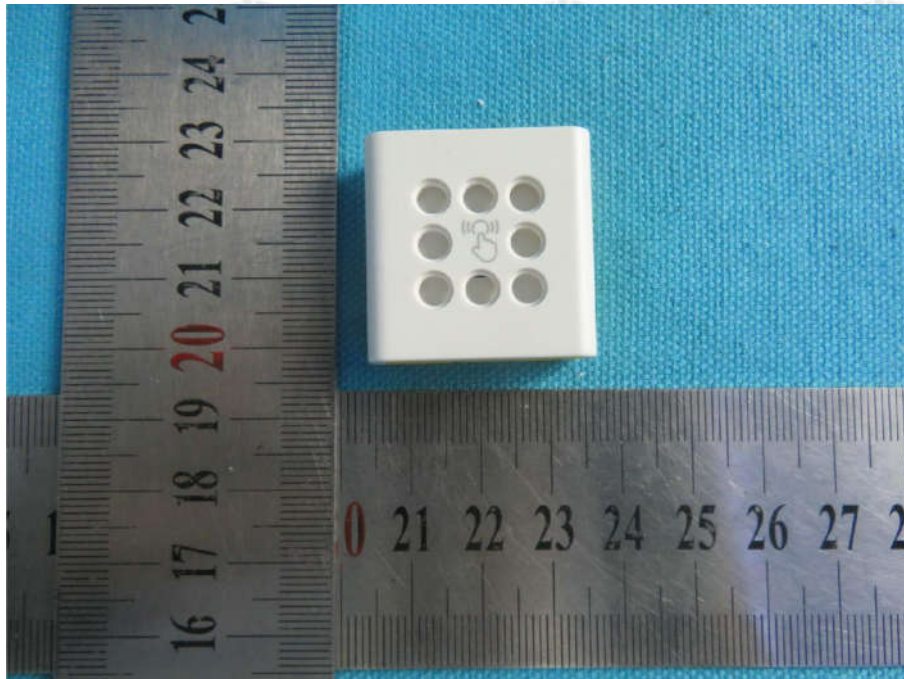
View of Product-34



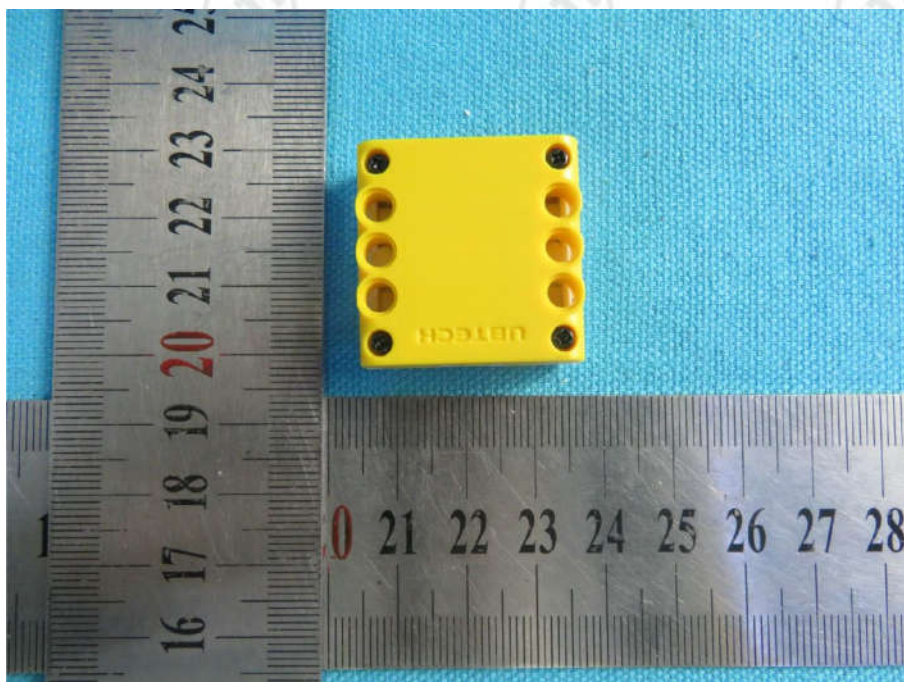
View of Product-35



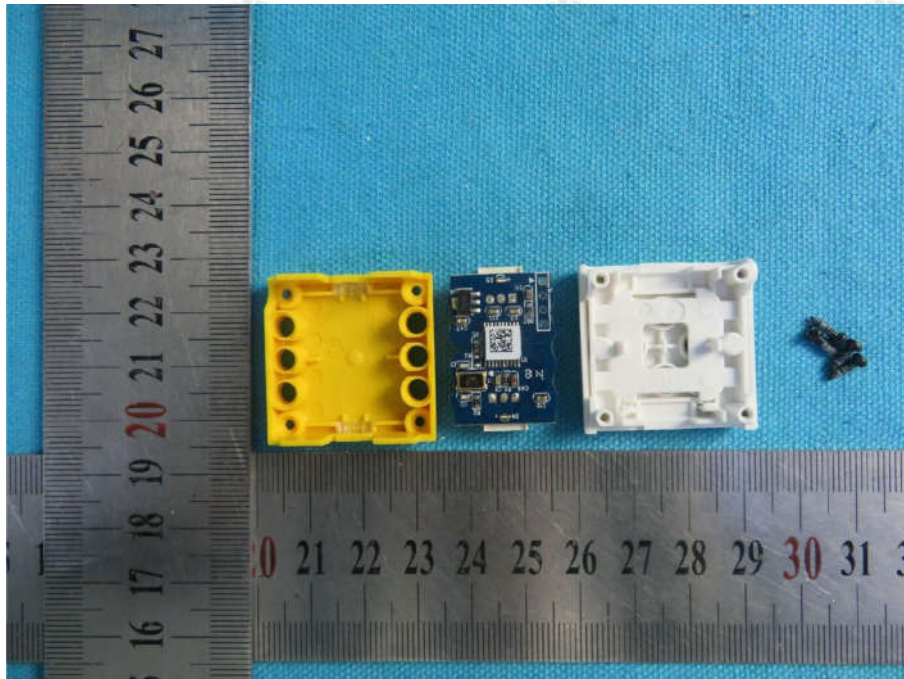
View of Product-36



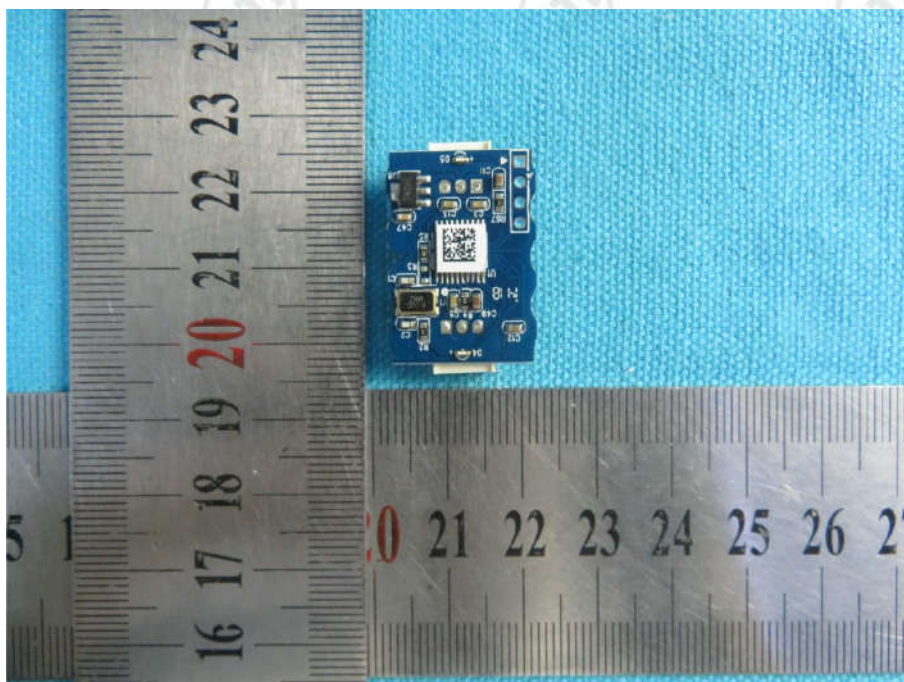
View of Product-37



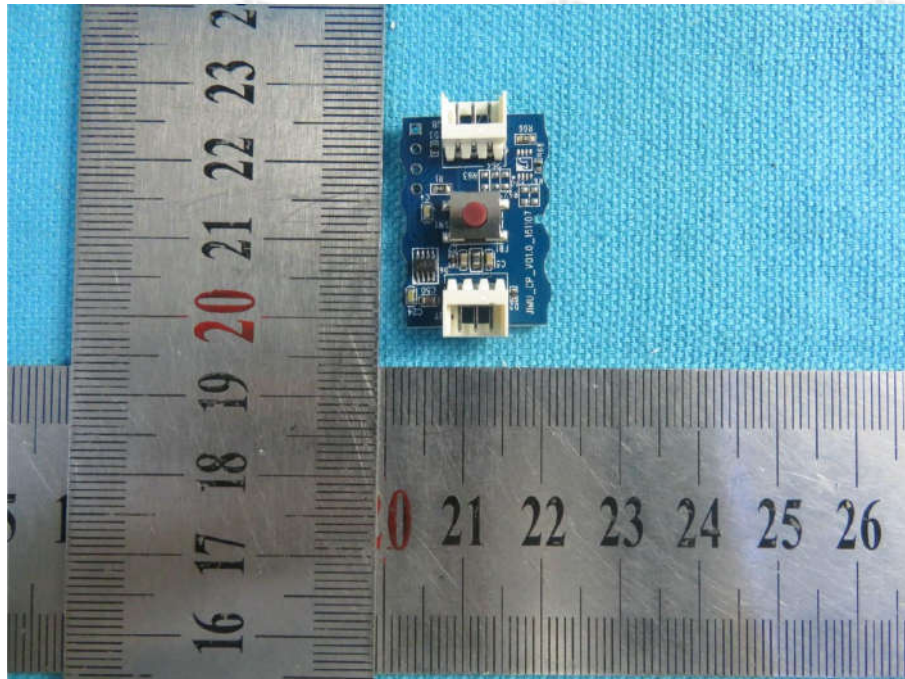
View of Product-38



View of Product-39



View of Product-40



View of Product-41



View of Product-42



View of Product-43



View of Product-44



View of Product-45



View of Product-46

*** End of Report ***

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