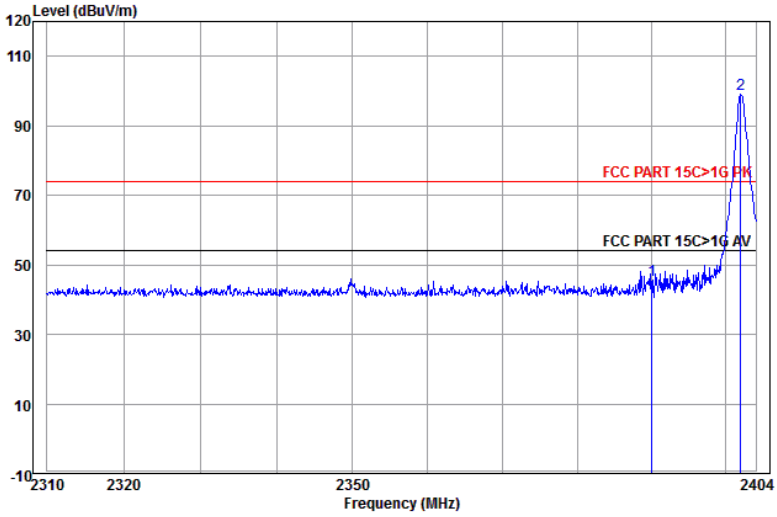
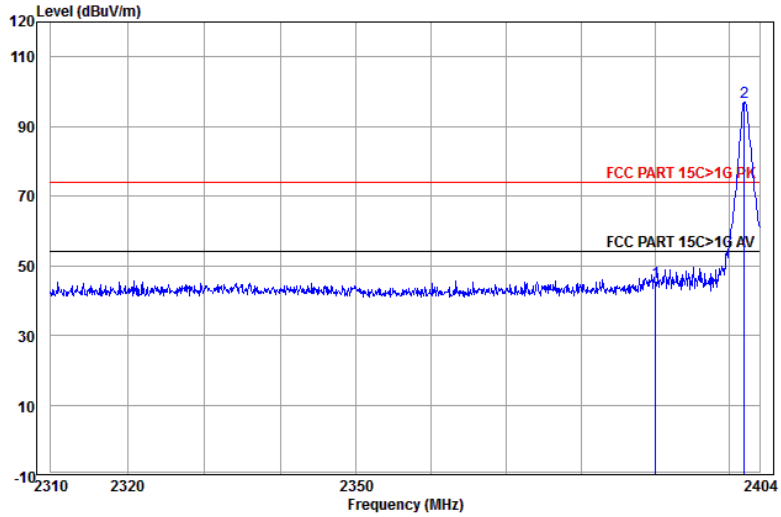
Test plot as follows:

Worse case mode:	GFSK(1-DH5)		
	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



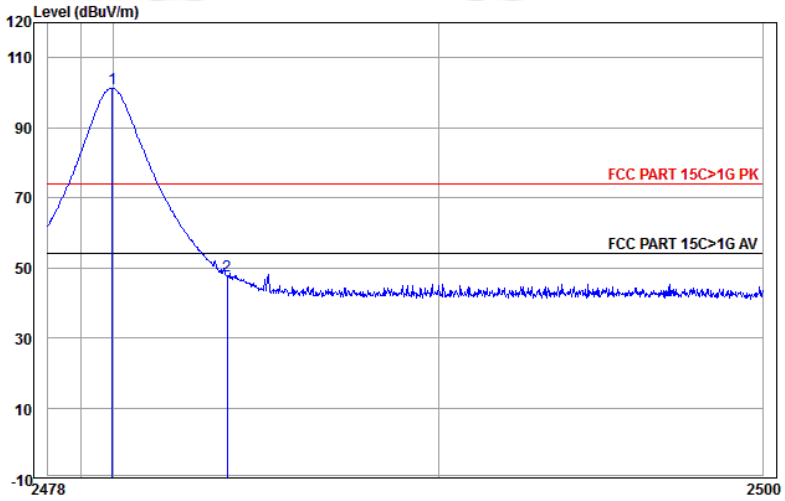
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	14.78	45.49	74.00	-28.51	Horizontal	
2 pp	2401.987	27.62	3.07	68.28	98.97	74.00	24.97	Horizontal	

Worse case mode:	GFSK(1-DH5)		
	Test channel: Lowest	Polarization: Vertical	Remark: Peak



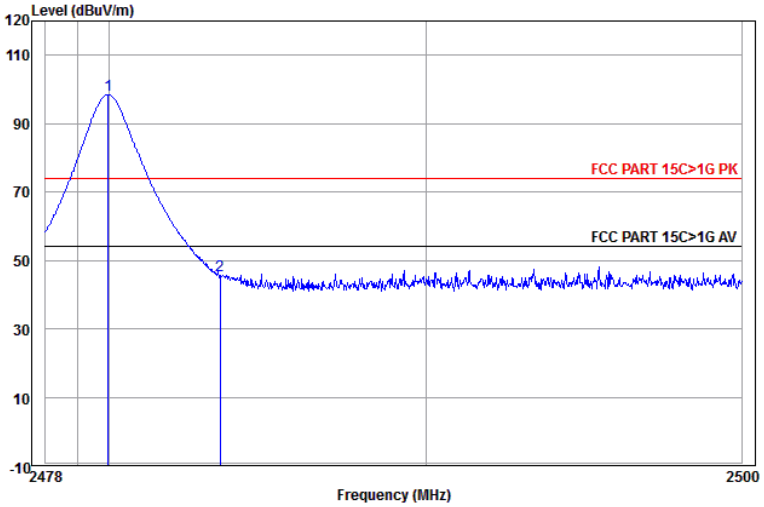
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	14.66	45.37	74.00	-28.63	Vertical	
2 pp	2401.987	27.62	3.07	66.29	96.98	74.00	22.98	Vertical	

Worse case mode:	GFSK(1-DH5)		
	Test channel: Highest	Polarization: Horizontal	Remark: Peak



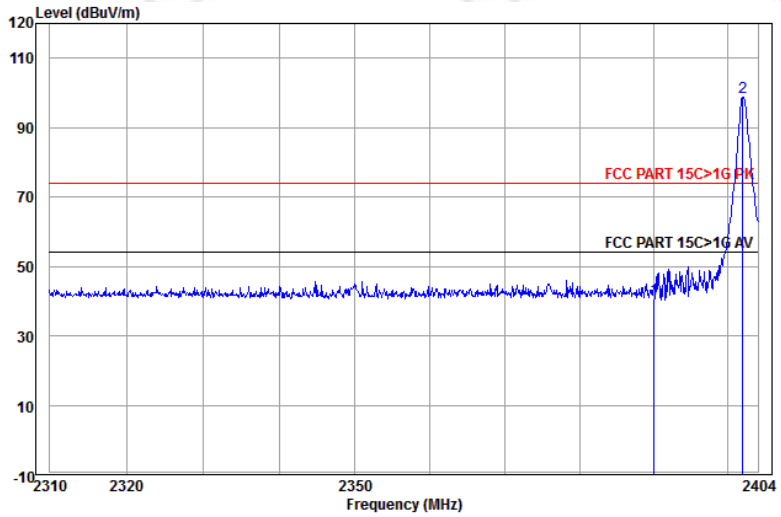
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2479.972	27.59	3.12	70.60	101.31	74.00	27.31	Horizontal	
2	2483.500	27.59	3.12	16.99	47.70	74.00	-26.30	Horizontal	

Worse case mode:	GFSK(1-DH5)		
	Test channel: Highest	Polarization: Vertical	Remark: Peak



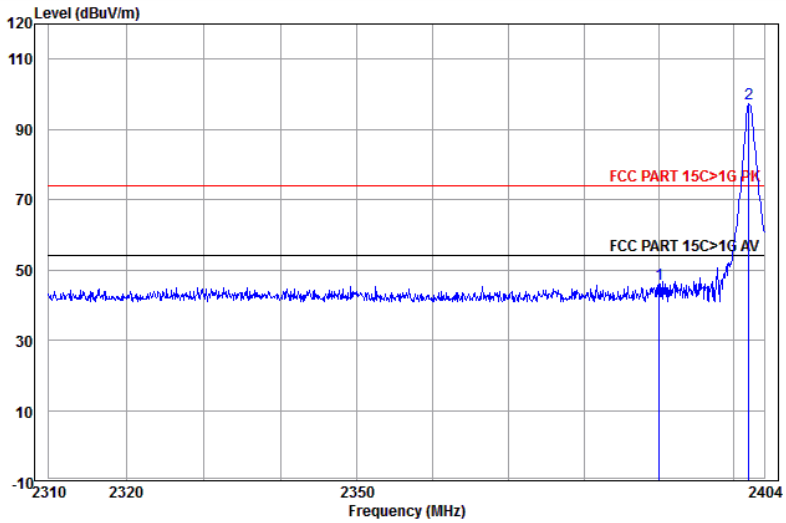
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2479.972	27.59	3.12	67.71	98.42	74.00	24.42	Vertical	
2	2483.500	27.59	3.12	14.80	45.51	74.00	-28.49	Vertical	

Worse case mode:	π/4DQPSK(2-DH5)		
	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



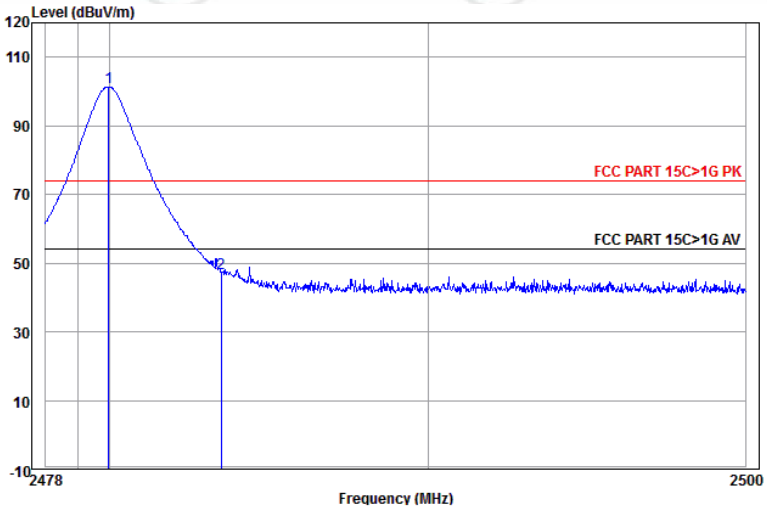
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	9.81	40.52	74.00	-33.48	Horizontal	
2 pp	2401.987	27.62	3.07	68.06	98.75	74.00	24.75	Horizontal	

Worse case mode:	π/4DQPSK(2-DH5)		
	Test channel: Lowest	Polarization: Vertical	Remark: Peak



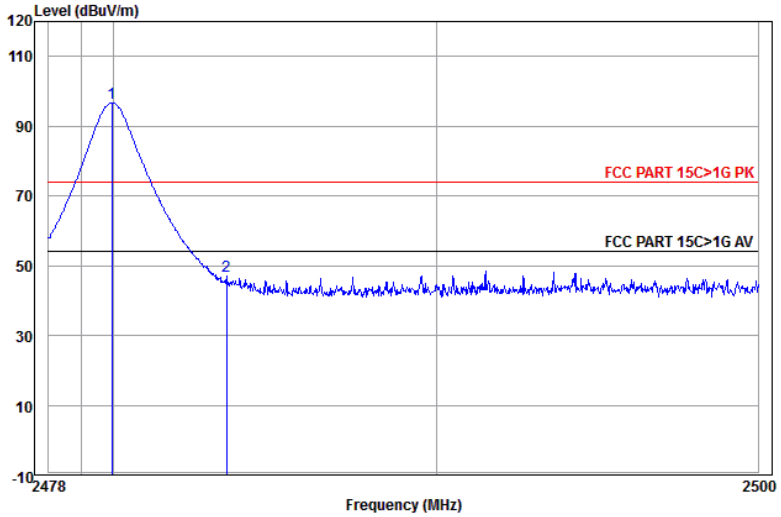
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	15.16	45.87	74.00	-28.13	Vertical	
2 pp	2401.987	27.62	3.07	66.48	97.17	74.00	23.17	Vertical	

Worse case mode:	π/4DQPSK(2-DH5)		
	Test channel: Highest	Polarization: Horizontal	Remark: Peak



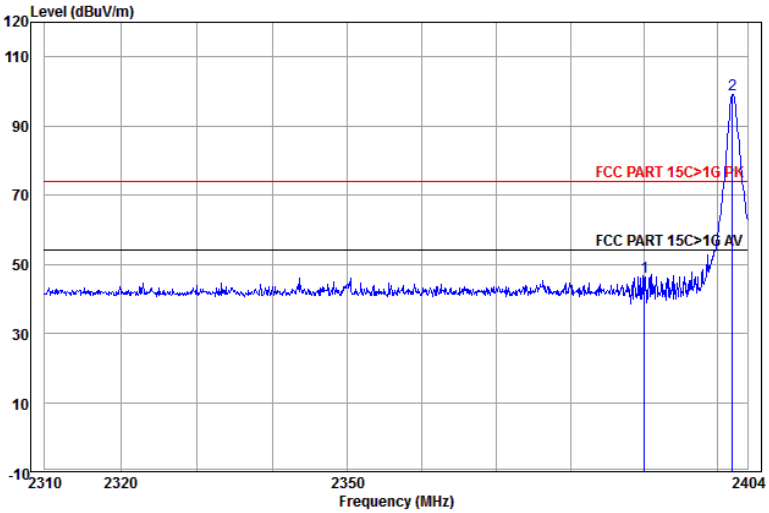
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2479.972	27.59	3.12	70.63	101.34	74.00	27.34	Horizontal	
2	2483.500	27.59	3.12	16.43	47.14	74.00	-26.86	Horizontal	

Worse case mode:	π/4DQPSK(2-DH5)		
	Test channel: Highest	Polarization: Vertical	Remark: Peak



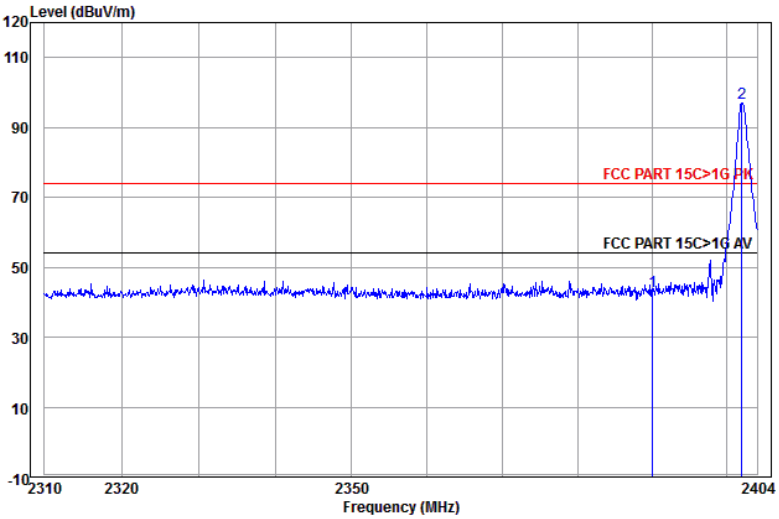
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2479.950	27.59	3.12	65.96	96.67	74.00	22.67	Vertical	
2	2483.500	27.59	3.12	16.24	46.95	74.00	-27.05	Vertical	

Worse case mode:	8DPSK(3-DH5)		
	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



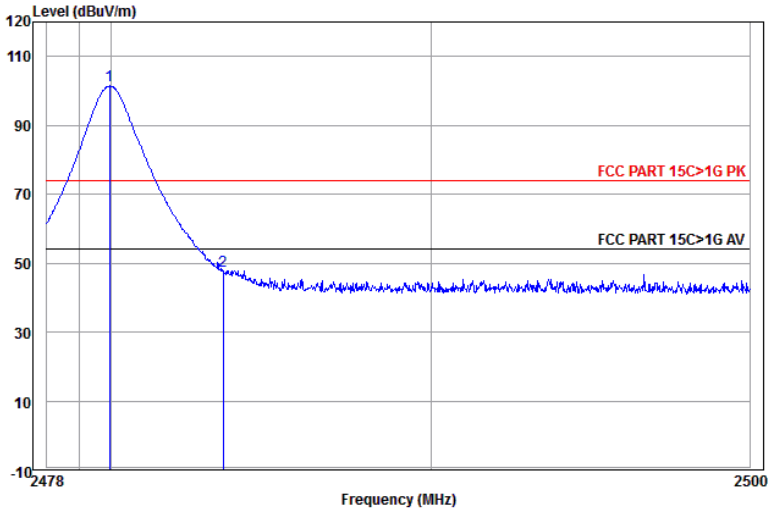
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	15.69	46.40	74.00	-27.60	Horizontal	
2 pp	2401.987	27.62	3.07	68.33	99.02	74.00	25.02	Horizontal	

Worse case mode:	8DPSK(3-DH5)		
	Test channel: Lowest	Polarization: Vertical	Remark: Peak



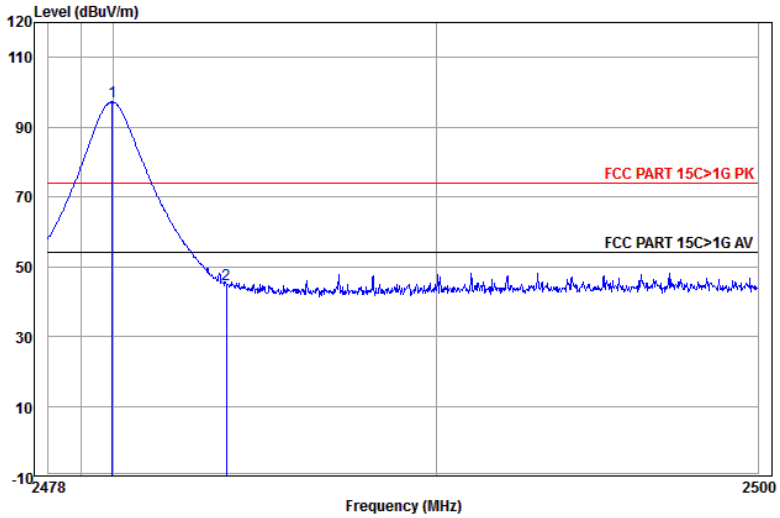
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	12.27	42.98	74.00	-31.02	Vertical	
2 pp	2401.987	27.62	3.07	66.35	97.04	74.00	23.04	Vertical	

Worse case mode:	8DPSK(3-DH5)		
	Test channel: Highest	Polarization: Horizontal	Remark: Peak



	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2479.950	27.59	3.12	70.70	101.41	74.00	27.41	Horizontal	
2	2483.500	27.59	3.12	17.02	47.73	74.00	-26.27	Horizontal	

Worse case mode:	8DPSK(3-DH5)		
	Test channel: Highest	Polarization: Vertical	Remark: Peak



	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2479.972	27.59	3.12	66.49	97.20	74.00	23.20	Vertical	
2	2483.500	27.59	3.12	14.31	45.02	74.00	-28.98	Vertical	

Note:

1) Through Pre-scan transmitter mode with all kind of modulation and all kind of data type, found 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 π/4DQPSK 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, 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

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:

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.

The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

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.

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.

The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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:

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).

Test the EUT in the lowest channel ,the middle channel ,the Highest channel

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.

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.

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz

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	56.5833	12.15	0.86	-32.07	45.15	26.09	40.00	13.91	Pass	Horizontal
2	116.3473	9.82	1.28	-32.07	47.09	26.12	43.50	17.38	Pass	Horizontal
3	199.9780	10.90	1.67	-31.94	51.75	32.38	43.50	11.12	Pass	Horizontal
4	290.4001	13.01	2.03	-31.88	46.60	29.76	46.00	16.24	Pass	Horizontal
5	398.8678	15.38	2.38	-31.77	42.25	28.24	46.00	17.76	Pass	Horizontal
6	599.3099	18.99	2.96	-31.99	44.09	34.05	46.00	11.95	Pass	Horizontal
7	52.5085	12.80	0.82	-32.10	40.99	22.51	40.00	17.49	Pass	Vertical
8	142.1544	7.28	1.40	-32.00	49.52	26.20	43.50	17.30	Pass	Vertical
9	199.7840	10.88	1.67	-31.94	43.51	24.12	43.50	19.38	Pass	Vertical
10	290.0120	13.00	2.03	-31.88	45.32	28.47	46.00	17.53	Pass	Vertical
11	399.0618	15.38	2.38	-31.77	39.77	25.76	46.00	20.24	Pass	Vertical
12	598.9218	18.98	2.95	-31.98	40.56	30.51	46.00	15.49	Pass	Vertical

Transmitter Emission above 1GHz

Mode:	GFSK Transmitting	Channel:	2402
Remark:	Peak		

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	3094.5845	33.24	4.73	-36.82	46.81	47.96	74.00	26.04	Pass	Horizontal
2	4804.0000	34.50	4.55	-36.15	46.66	49.56	74.00	24.44	Pass	Horizontal
3	6329.9580	35.87	5.46	-36.17	43.29	48.45	74.00	25.55	Pass	Horizontal
4	7206.0000	36.31	5.81	-36.43	45.13	50.82	74.00	23.18	Pass	Horizontal
5	8416.6667	36.57	6.35	-36.31	44.24	50.85	74.00	23.15	Pass	Horizontal
6	9608.0000	37.64	6.63	-36.79	41.61	49.09	74.00	24.91	Pass	Horizontal
7	2641.9284	32.63	4.09	-36.66	48.01	48.07	74.00	25.93	Pass	Vertical
8	4215.9466	34.10	4.49	-36.30	43.29	45.58	74.00	28.42	Pass	Vertical
9	4804.0000	34.50	4.55	-36.15	45.22	48.12	74.00	25.88	Pass	Vertical
10	6362.1362	35.87	5.42	-36.17	42.75	47.87	74.00	26.13	Pass	Vertical
11	7206.0000	36.31	5.81	-36.43	42.74	48.43	74.00	25.57	Pass	Vertical
12	9608.0000	37.64	6.63	-36.79	42.16	49.64	74.00	24.36	Pass	Vertical

Mode:	GFSK Transmitting	Channel:	2441
Remark:	Peak		

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	2147.8296	31.91	3.65	-36.31	49.37	48.62	74.00	25.38	Pass	Horizontal
2	3241.8242	33.30	4.48	-36.80	46.37	47.35	74.00	26.65	Pass	Horizontal
3	4882.0000	34.50	4.81	-36.10	50.38	53.59	74.00	20.41	Pass	Horizontal
4	6331.9082	35.87	5.46	-36.17	42.79	47.95	74.00	26.05	Pass	Horizontal
5	7323.0000	36.42	5.85	-36.41	48.87	54.73	74.00	19.27	Pass	Horizontal
6	9764.0000	37.71	6.71	-36.83	43.33	50.92	74.00	23.08	Pass	Horizontal
7	3021.4521	33.21	4.89	-36.79	46.53	47.84	74.00	26.16	Pass	Vertical
8	4882.0000	34.50	4.81	-36.10	47.02	50.23	74.00	23.77	Pass	Vertical
9	6496.6997	35.90	5.47	-36.22	42.80	47.95	74.00	26.05	Pass	Vertical
10	7323.0000	36.42	5.85	-36.41	43.28	49.14	74.00	24.86	Pass	Vertical
11	8407.8908	36.56	6.34	-36.28	43.91	50.53	74.00	23.47	Pass	Vertical
12	9764.0000	37.71	6.71	-36.83	42.26	49.85	74.00	24.15	Pass	Vertical

Mode:	GFSK Transmitting	Channel:	2441
Remark:	Average		

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	4882.0000	34.50	4.81	-36.10	44.62	47.83	54.00	6.17	Pass	Horizontal
2	7323.0000	36.42	5.85	-36.40	35.28	41.15	54.00	12.85	Pass	Horizontal

Mode:	GFSK Transmitting	Channel:	2480
Remark:	Peak		

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	3033.1533	33.21	4.86	-36.82	46.58	47.83	74.00	26.17	Pass	Horizontal
2	4960.0000	34.50	4.82	-36.20	50.41	53.53	74.00	20.47	Pass	Horizontal
3	6290.9541	35.86	5.44	-36.24	43.01	48.07	74.00	25.93	Pass	Horizontal
4	7440.0000	36.54	5.85	-36.34	47.83	53.88	74.00	20.12	Pass	Horizontal
5	7734.0984	36.51	6.25	-36.50	44.37	50.63	74.00	23.37	Pass	Horizontal
6	9920.0000	37.77	6.79	-36.82	40.48	48.22	74.00	25.78	Pass	Horizontal
7	3197.9448	33.28	4.65	-36.71	46.46	47.68	74.00	26.32	Pass	Vertical
8	4473.3723	34.46	4.74	-36.23	44.31	47.28	74.00	26.72	Pass	Vertical
9	4960.0000	34.50	4.82	-36.20	47.75	50.87	74.00	23.13	Pass	Vertical
10	7440.0000	36.54	5.85	-36.34	41.81	47.86	74.00	26.14	Pass	Vertical
11	8865.2115	37.40	6.41	-36.52	43.60	50.89	74.00	23.11	Pass	Vertical
12	9920.0000	37.77	6.79	-36.82	41.63	49.37	74.00	24.63	Pass	Vertical

Mode:	GFSK Transmitting	Channel:	2480
Remark:	Average		

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	4960.0000	34.50	4.82	-36.21	43.61	46.72	54.00	7.28	Pass	Horizontal
2	7440.0000	36.54	5.85	-36.34	35.60	41.65	54.00	12.35	Pass	Horizontal

Mode:	π/4DQPSK Transmitting	Channel:	2402
Remark:	Peak		

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	2901.5803	33.04	4.38	-36.62	47.30	48.10	74.00	25.90	Pass	Horizontal
2	4804.0000	34.50	4.55	-36.15	43.79	46.69	74.00	27.31	Pass	Horizontal
3	5522.5773	35.04	5.16	-36.10	44.32	48.42	74.00	25.58	Pass	Horizontal
4	7206.0000	36.31	5.81	-36.43	41.98	47.67	74.00	26.33	Pass	Horizontal
5	8159.2409	36.46	6.41	-36.50	43.73	50.10	74.00	23.90	Pass	Horizontal
6	9608.0000	37.64	6.63	-36.79	42.31	49.79	74.00	24.21	Pass	Horizontal
7	3190.1440	33.28	4.63	-36.74	48.07	49.24	74.00	24.76	Pass	Vertical
8	4804.0000	34.50	4.55	-36.15	42.22	45.12	74.00	28.88	Pass	Vertical
9	6301.6802	35.86	5.46	-36.23	42.68	47.77	74.00	26.23	Pass	Vertical
10	7206.0000	36.31	5.81	-36.43	42.36	48.05	74.00	25.95	Pass	Vertical
11	8389.3639	36.56	6.30	-36.36	44.06	50.56	74.00	23.44	Pass	Vertical
12	9608.0000	37.64	6.63	-36.79	41.66	49.14	74.00	24.86	Pass	Vertical

Mode:	π/4DQPSK Transmitting	Channel:	2441
Remark:	Peak		

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	3569.4569	33.46	4.40	-36.50	45.00	46.36	74.00	27.64	Pass	Horizontal
2	4882.0000	34.50	4.81	-36.10	46.06	49.27	74.00	24.73	Pass	Horizontal
3	6286.0786	35.86	5.43	-36.25	42.70	47.74	74.00	26.26	Pass	Horizontal
4	7323.0000	36.42	5.85	-36.41	43.88	49.74	74.00	24.26	Pass	Horizontal
5	8470.2970	36.59	6.44	-36.44	42.91	49.50	74.00	24.50	Pass	Horizontal
6	9764.0000	37.71	6.71	-36.83	43.10	50.69	74.00	23.31	Pass	Horizontal
7	3197.9448	33.28	4.65	-36.71	47.60	48.82	74.00	25.18	Pass	Vertical
8	4882.0000	34.50	4.81	-36.10	45.45	48.66	74.00	25.34	Pass	Vertical
9	5541.1041	35.07	5.16	-36.06	43.14	47.31	74.00	26.69	Pass	Vertical
10	7323.0000	36.42	5.85	-36.41	40.80	46.66	74.00	27.34	Pass	Vertical
11	8422.5173	36.57	6.36	-36.33	43.68	50.28	74.00	23.72	Pass	Vertical
12	9764.0000	37.71	6.71	-36.83	42.89	50.48	74.00	23.52	Pass	Vertical

Mode:	π/4DQPSK Transmitting	Channel:	2480
Remark:	Peak		

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	3088.7339	33.24	4.74	-36.83	46.62	47.77	74.00	26.23	Pass	Horizontal
2	4960.0000	34.50	4.82	-36.20	45.56	48.68	74.00	25.32	Pass	Horizontal
3	5991.5992	35.79	5.34	-36.30	43.15	47.98	74.00	26.02	Pass	Horizontal
4	7440.0000	36.54	5.85	-36.34	45.29	51.34	74.00	22.66	Pass	Horizontal
5	8403.0153	36.56	6.33	-36.26	44.24	50.87	74.00	23.13	Pass	Horizontal
6	9920.0000	37.77	6.79	-36.82	40.06	47.80	74.00	26.20	Pass	Horizontal
7	2989.5979	33.18	4.52	-36.73	47.24	48.21	74.00	25.79	Pass	Vertical
8	4960.0000	34.50	4.82	-36.20	43.86	46.98	74.00	27.02	Pass	Vertical
9	6337.7588	35.87	5.46	-36.16	42.13	47.30	74.00	26.70	Pass	Vertical
10	7440.0000	36.54	5.85	-36.34	40.74	46.79	74.00	27.21	Pass	Vertical
11	8413.7414	36.57	6.35	-36.31	43.99	50.60	74.00	23.40	Pass	Vertical
12	9920.0000	37.77	6.79	-36.82	39.96	47.70	74.00	26.30	Pass	Vertical

Mode:	π/4DQPSK Transmitting	Channel:	2480
Remark:	Average		

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	7440.0000	36.54	5.85	-36.34	34.96	41.01	54.00	12.99	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	Peak		

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	1951.7904	31.38	3.42	-36.84	47.85	45.81	74.00	28.19	Pass	Horizontal
2	4804.0000	34.50	4.55	-36.15	42.84	45.74	74.00	28.26	Pass	Horizontal
3	5925.2925	35.68	5.19	-36.19	42.99	47.67	74.00	26.33	Pass	Horizontal
4	7206.0000	36.31	5.81	-36.43	42.68	48.37	74.00	25.63	Pass	Horizontal
5	8288.9289	36.52	6.13	-36.58	44.38	50.45	74.00	23.55	Pass	Horizontal
6	9608.0000	37.64	6.63	-36.79	41.45	48.93	74.00	25.07	Pass	Horizontal
7	3209.6460	33.28	4.61	-36.71	46.23	47.41	74.00	26.59	Pass	Vertical
8	4804.0000	34.50	4.55	-36.15	43.14	46.04	74.00	27.96	Pass	Vertical
9	6365.0615	35.87	5.41	-36.19	43.17	48.26	74.00	25.74	Pass	Vertical
10	7206.0000	36.31	5.81	-36.43	41.47	47.16	74.00	26.84	Pass	Vertical
11	8412.7663	36.57	6.35	-36.31	44.24	50.85	74.00	23.15	Pass	Vertical
12	9608.0000	37.64	6.63	-36.79	41.42	48.90	74.00	25.10	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2441
Remark:	Peak		

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	2853.9708	32.97	4.24	-36.90	47.22	47.53	74.00	26.47	Pass	Horizontal
2	4882.0000	34.50	4.81	-36.10	46.60	49.81	74.00	24.19	Pass	Horizontal
3	6135.9136	35.83	5.25	-36.23	43.14	47.99	74.00	26.01	Pass	Horizontal
4	7323.0000	36.42	5.85	-36.41	43.47	49.33	74.00	24.67	Pass	Horizontal
5	8427.3927	36.57	6.37	-36.35	43.47	50.06	74.00	23.94	Pass	Horizontal
6	9764.0000	37.71	6.71	-36.83	42.35	49.94	74.00	24.06	Pass	Horizontal
7	4882.0000	34.50	4.81	-36.10	45.28	48.49	74.00	25.51	Pass	Vertical
8	5643.4893	35.23	4.99	-36.04	43.45	47.63	74.00	26.37	Pass	Vertical
9	6125.1875	35.83	5.25	-36.26	43.45	48.27	74.00	25.73	Pass	Vertical
10	7323.0000	36.42	5.85	-36.41	42.09	47.95	74.00	26.05	Pass	Vertical
11	7689.2439	36.52	6.24	-36.41	43.06	49.41	74.00	24.59	Pass	Vertical
12	9764.0000	37.71	6.71	-36.83	41.78	49.37	74.00	24.63	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	Peak		

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	1195.2390	28.10	2.66	-37.65	49.53	42.64	74.00	31.36	Pass	Horizontal
2	3387.1137	33.35	4.55	-36.65	45.84	47.09	74.00	26.91	Pass	Horizontal
3	4960.0000	34.50	4.82	-36.20	46.72	49.84	74.00	24.16	Pass	Horizontal
4	6333.8584	35.87	5.46	-36.17	43.45	48.61	74.00	25.39	Pass	Horizontal
5	7440.0000	36.54	5.85	-36.34	43.64	49.69	74.00	24.31	Pass	Horizontal
6	9920.0000	37.77	6.79	-36.82	39.99	47.73	74.00	26.27	Pass	Horizontal
7	3005.8506	33.20	4.92	-36.73	46.56	47.95	74.00	26.05	Pass	Vertical
8	3743.0243	33.59	4.33	-36.18	45.85	47.59	74.00	26.41	Pass	Vertical
9	4960.0000	34.50	4.82	-36.20	44.75	47.87	74.00	26.13	Pass	Vertical
10	6248.0498	35.85	5.34	-36.29	42.95	47.85	74.00	26.15	Pass	Vertical
11	7440.0000	36.54	5.85	-36.34	41.16	47.21	74.00	26.79	Pass	Vertical
12	8136.8137	36.45	6.35	-36.45	43.84	50.19	74.00	23.81	Pass	Vertical
13	9920.0000	37.77	6.79	-36.82	39.80	47.54	74.00	26.46	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 π/4DQPSK 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:

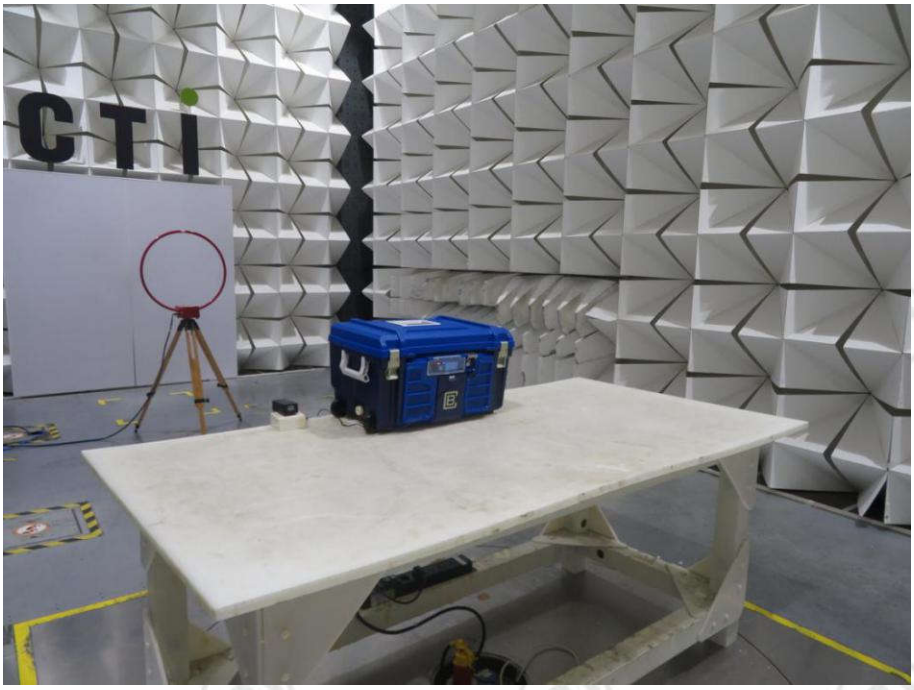
Final Test Level =Receiver Reading -Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

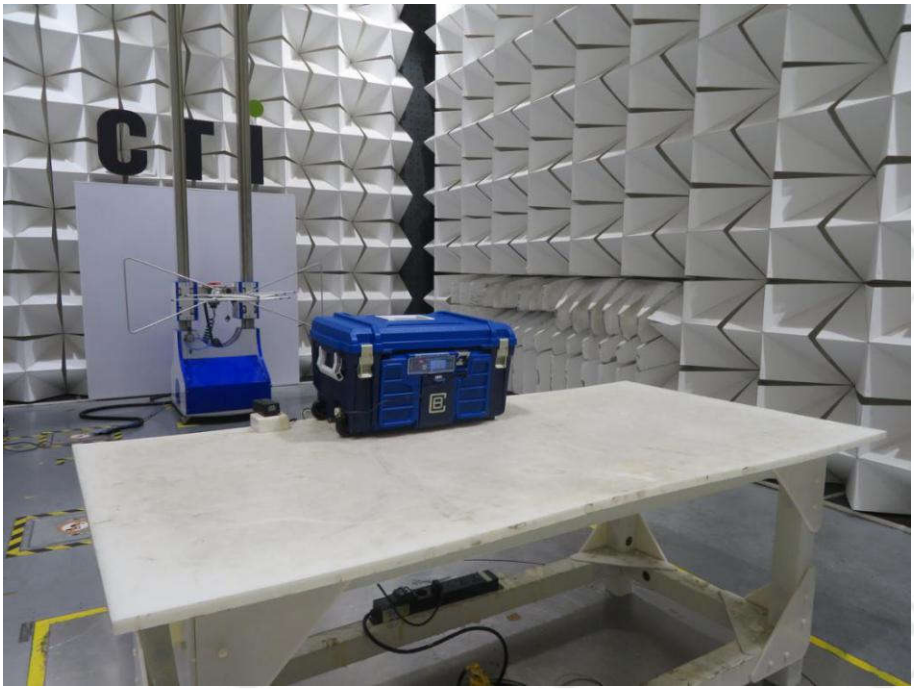
4) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

PHOTOGRAPHS OF TEST SETUP

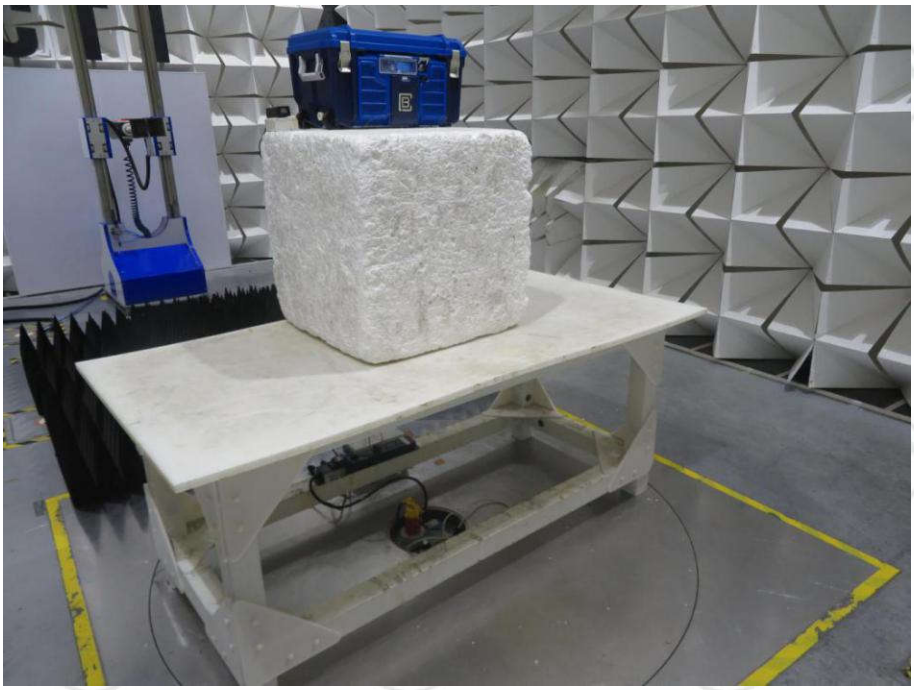
Test model No.: CB100 Blue



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



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



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

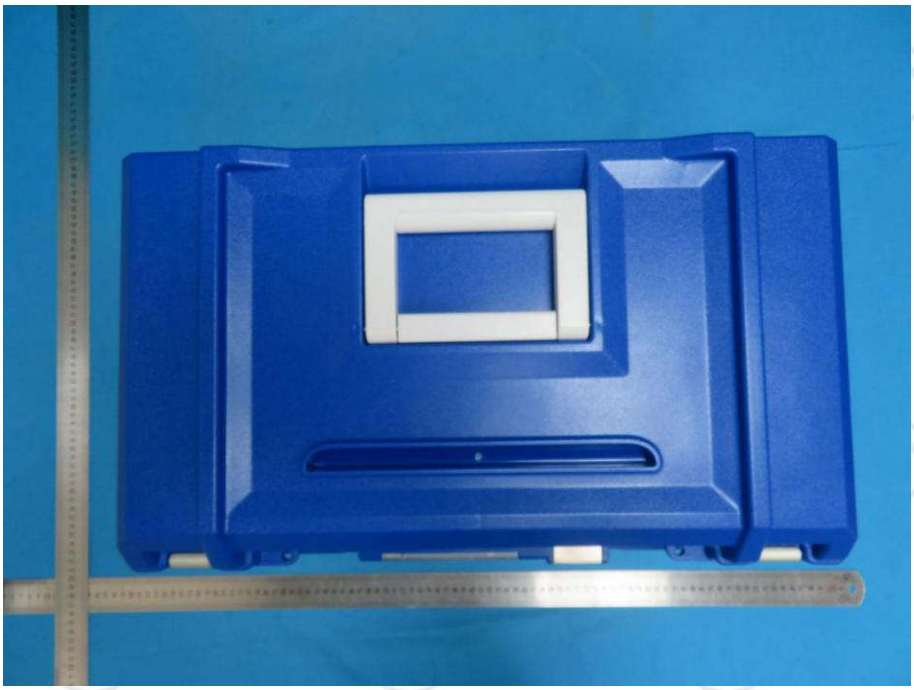
Conducted Emissions Test Setup

PHOTOGRAPHS OF EUT Constructional Details

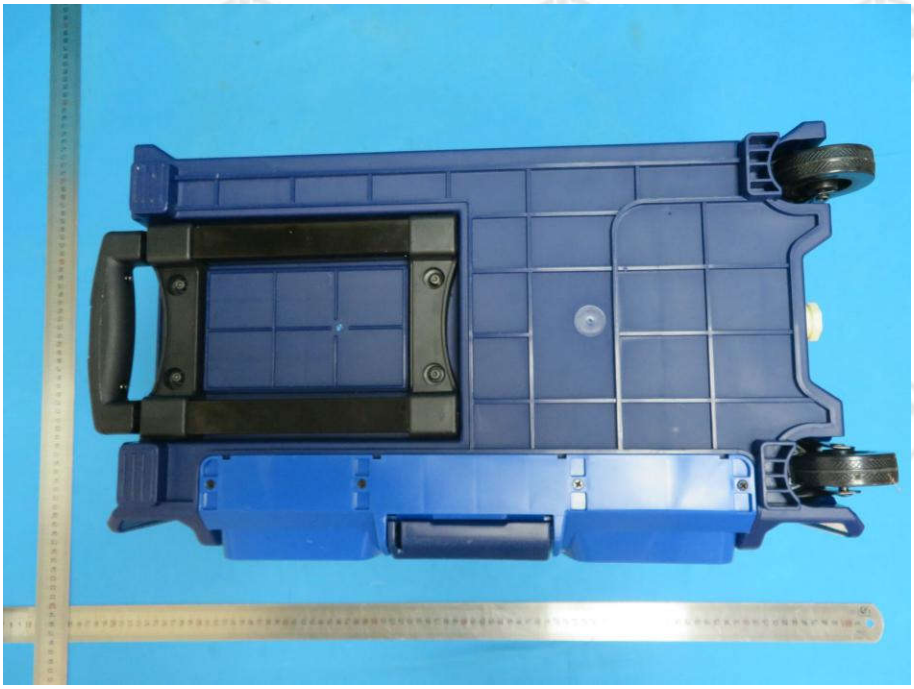
Test model No.: CB100 Blue

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

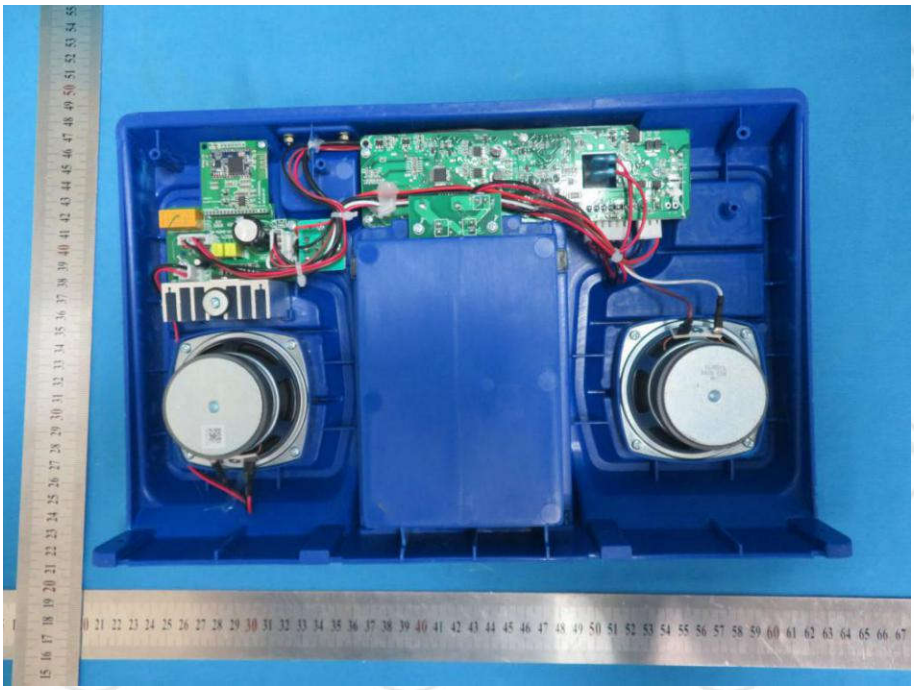
View of Product-8

View of Product-9

View of Product-10

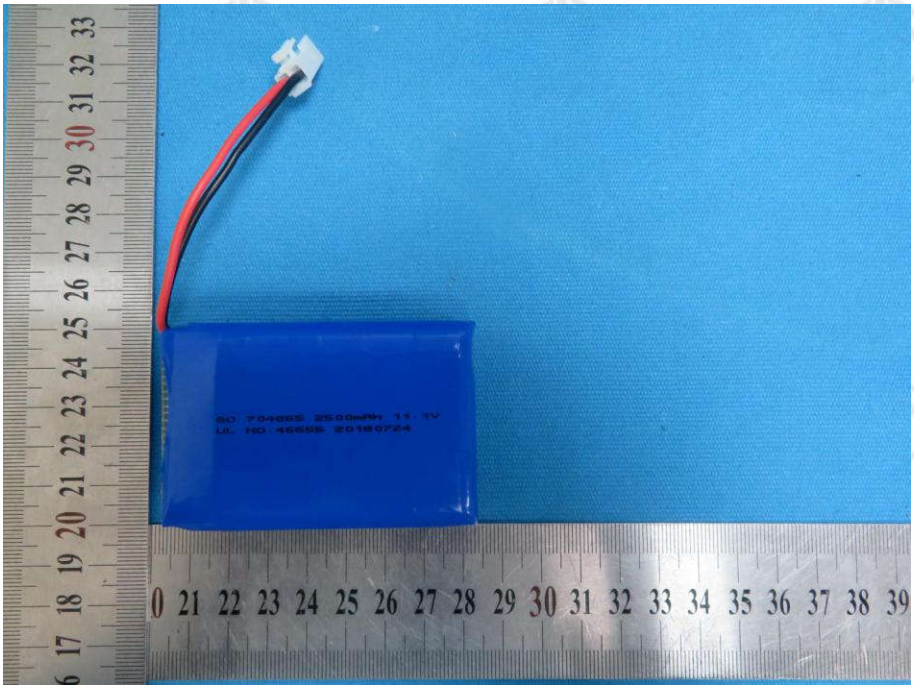
View of Product-11

View of Product-12

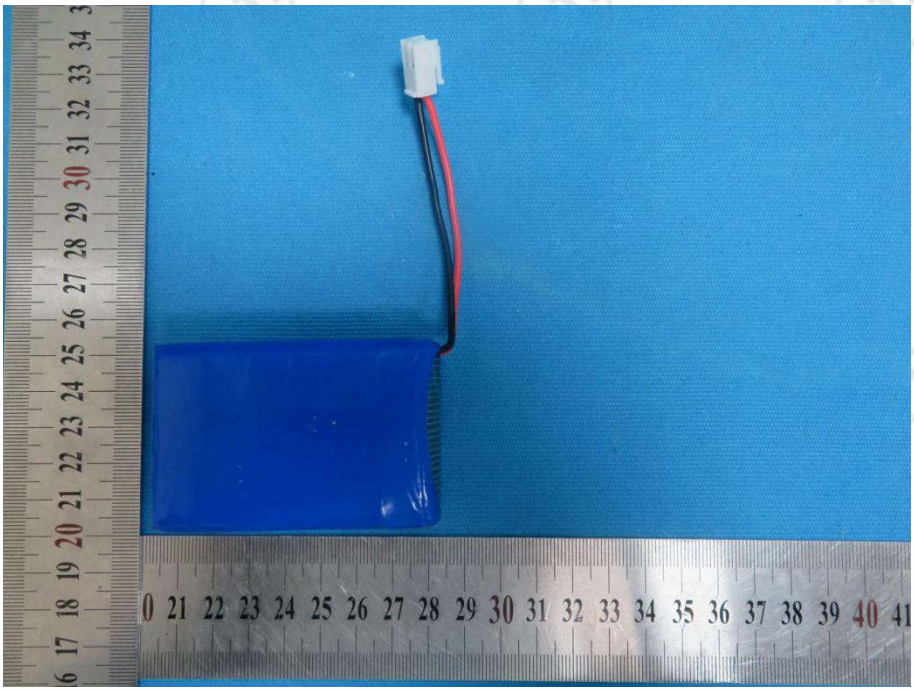


View of Product-13

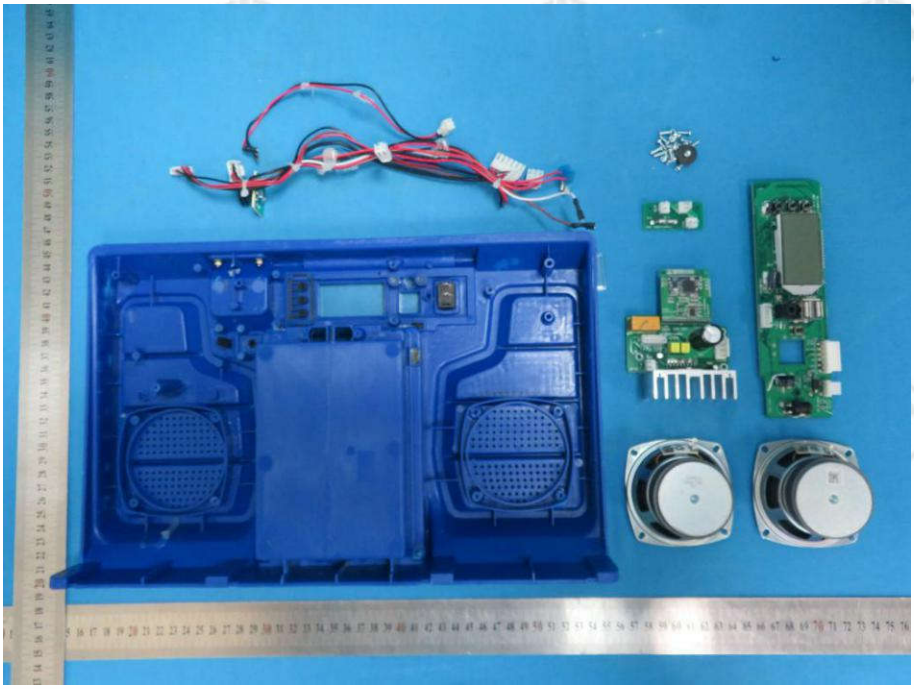
View of Product-14



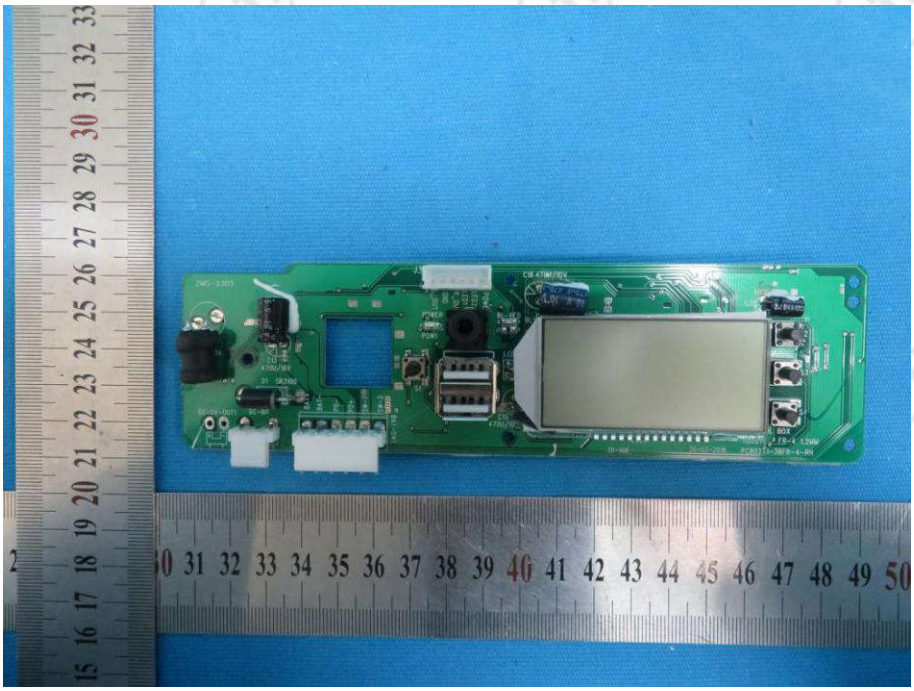
View of Product-15



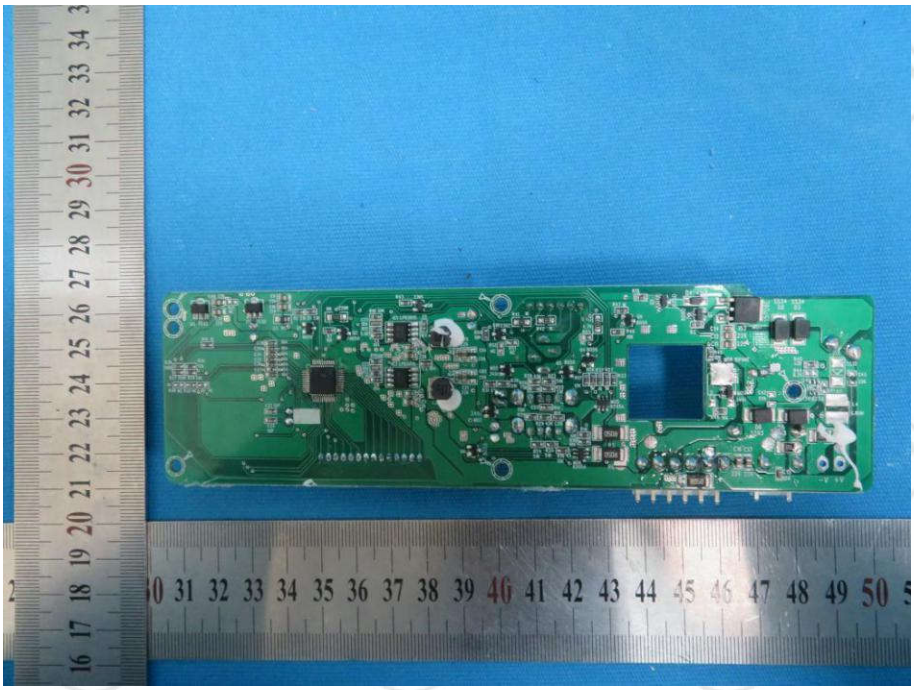
View of Product-16



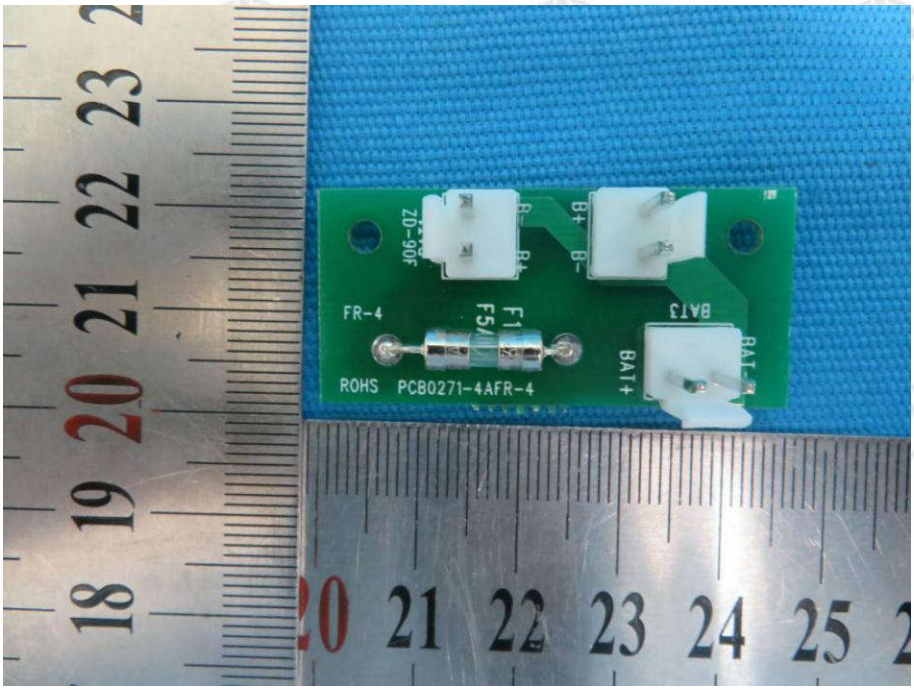
View of Product-17



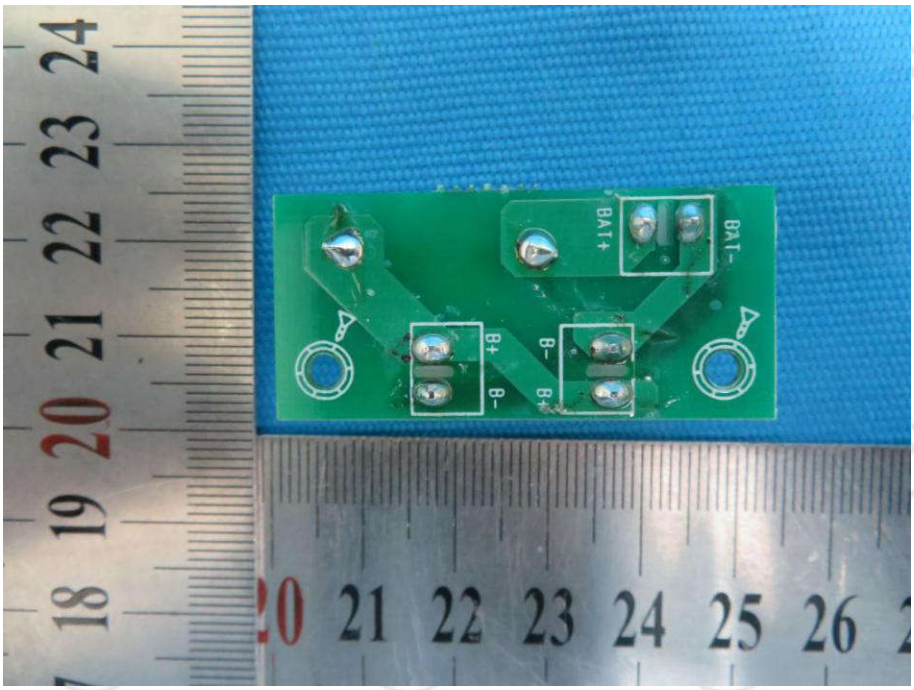
View of Product-18



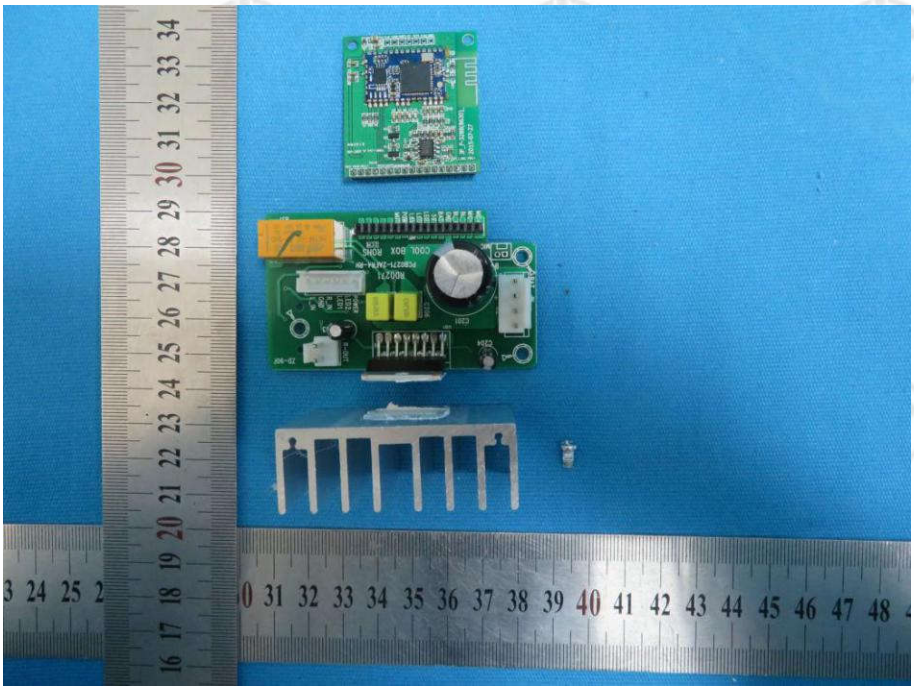
View of Product-19



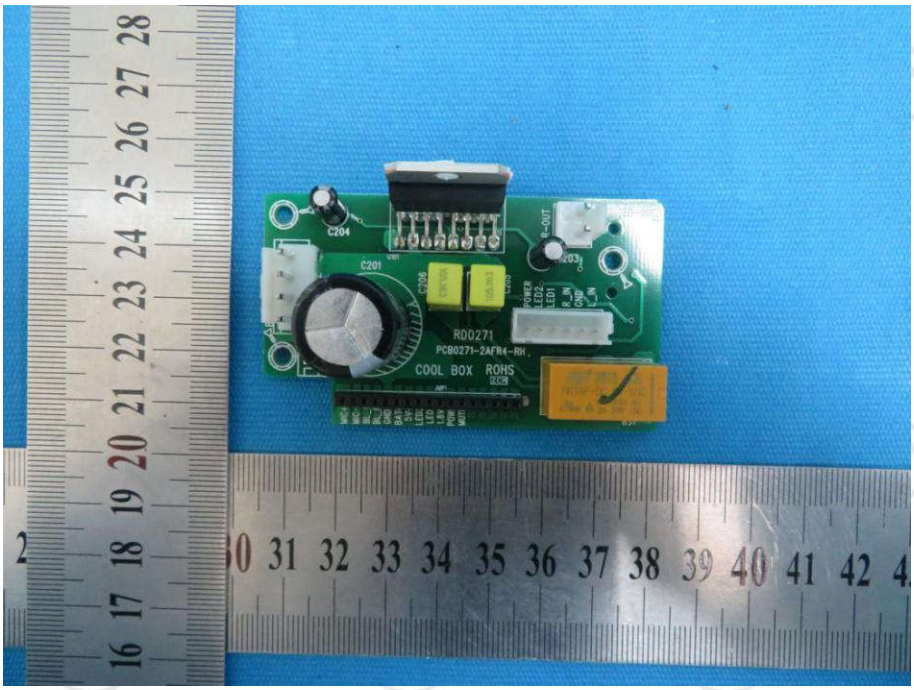
View of Product-20



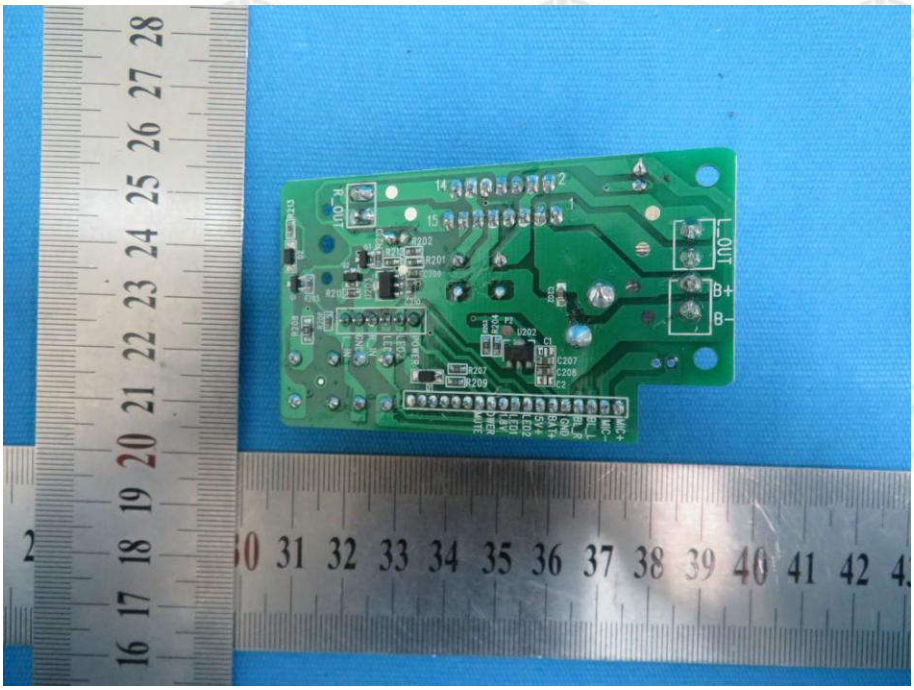
View of Product-21



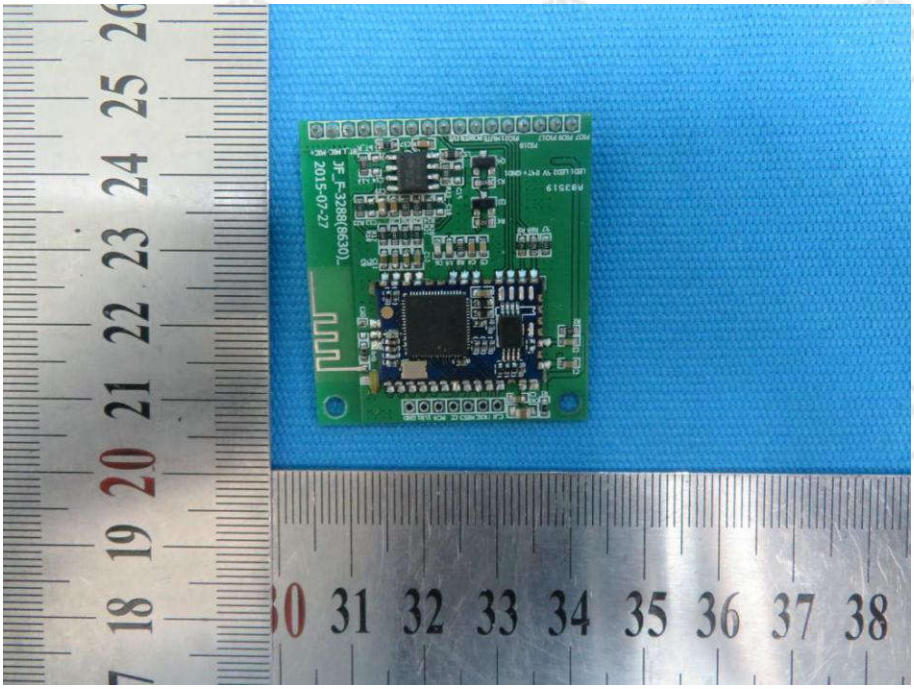
View of Product-22



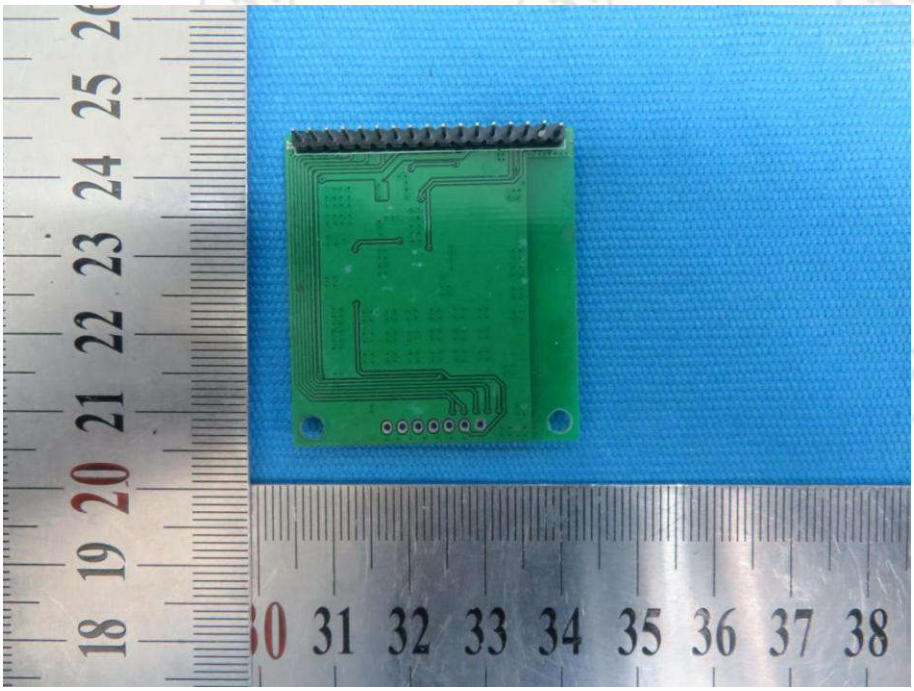
View of Product-23



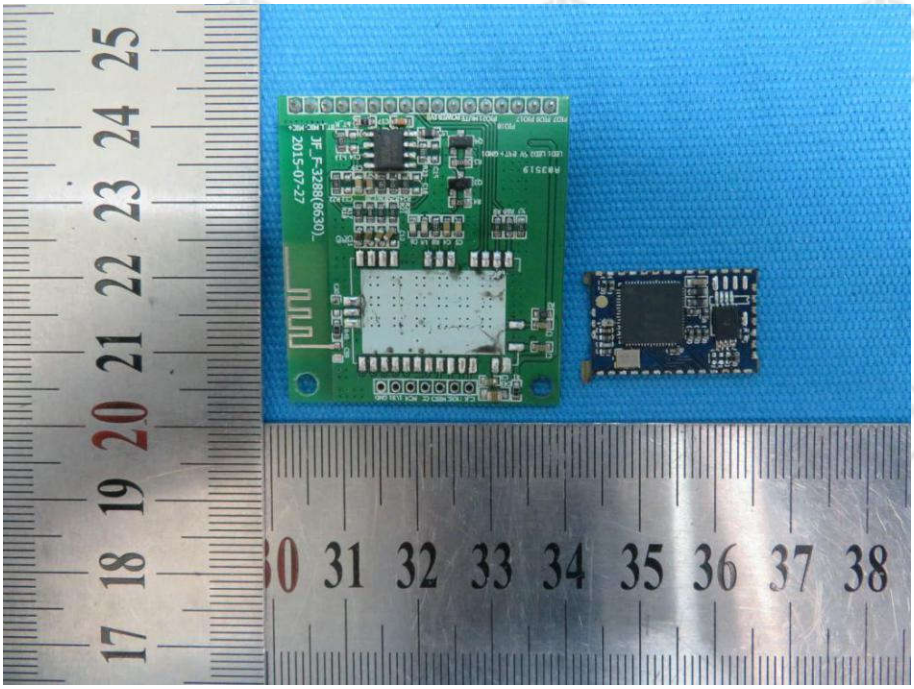
View of Product-24



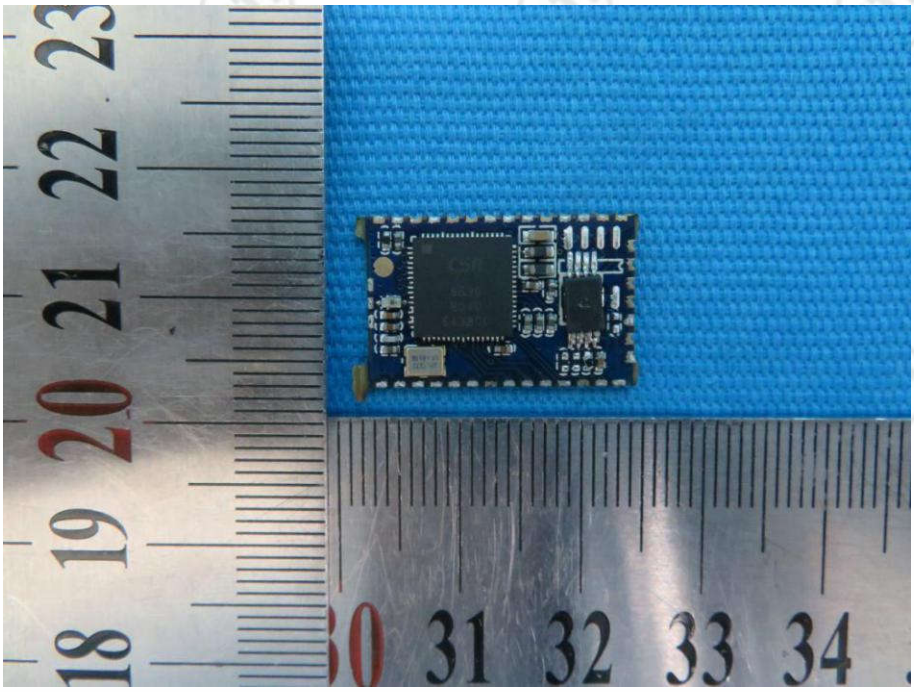
View of Product-25



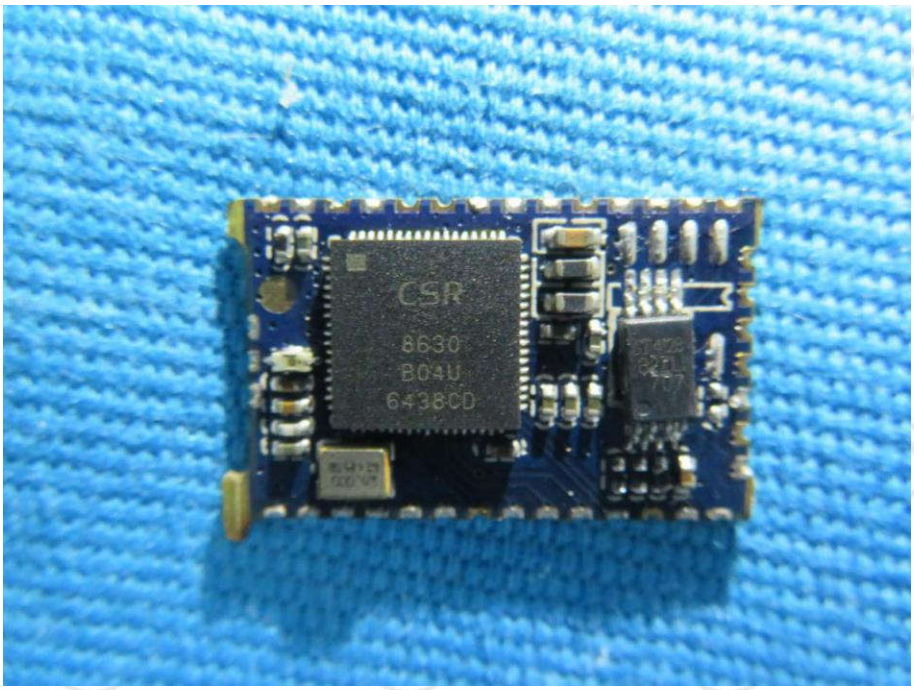
View of Product-26



View of Product-27



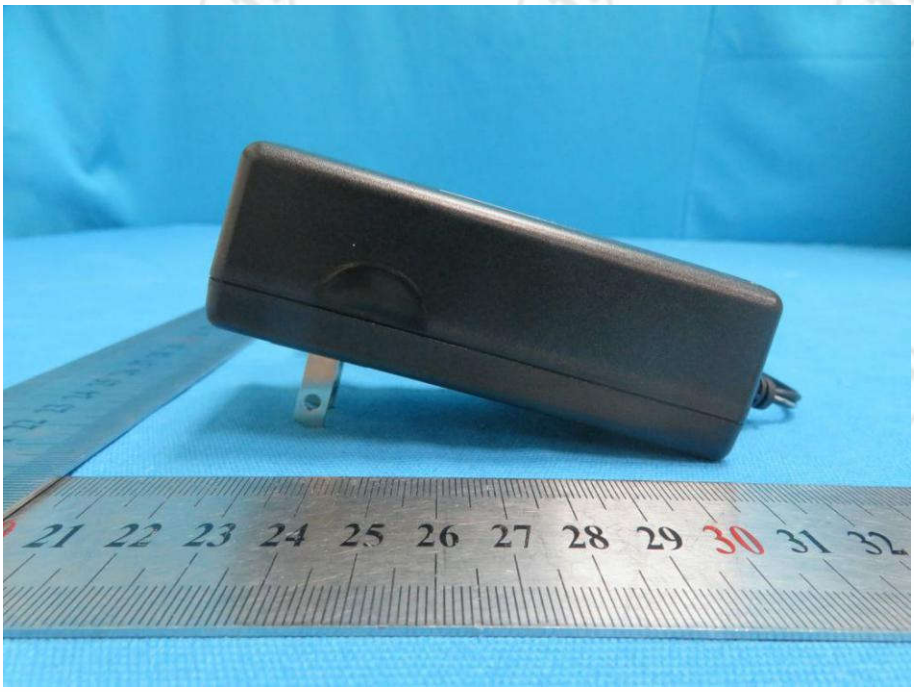
View of Product-28



View of Product-29

View of Product-30

View of Product-31



View of Product-32

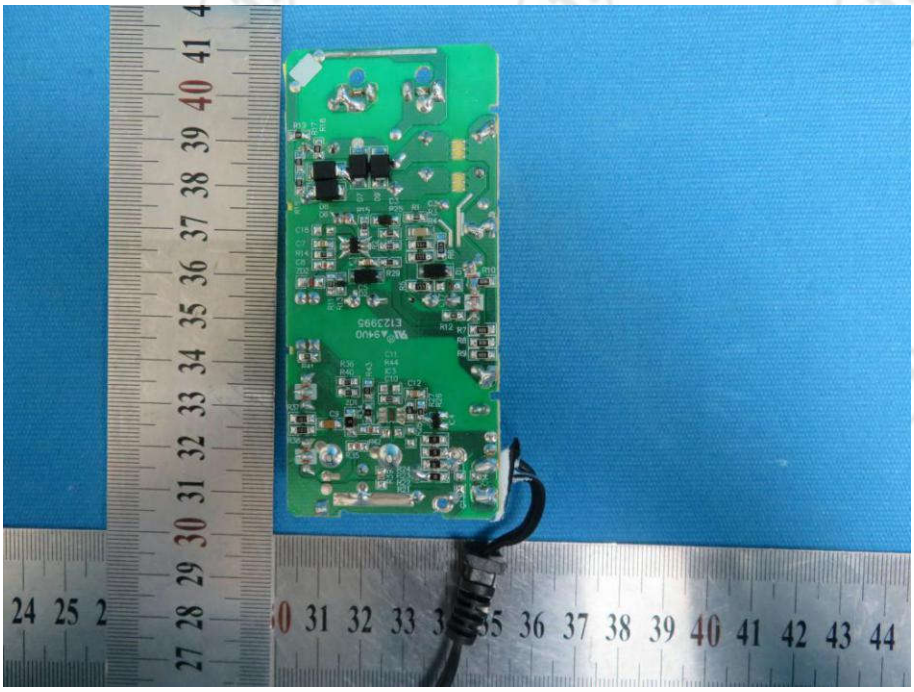
View of Product-33

View of Product-34

View of Product-35

View of Product-36

View of Product-37



View of Product-38

*** End of Report ***

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