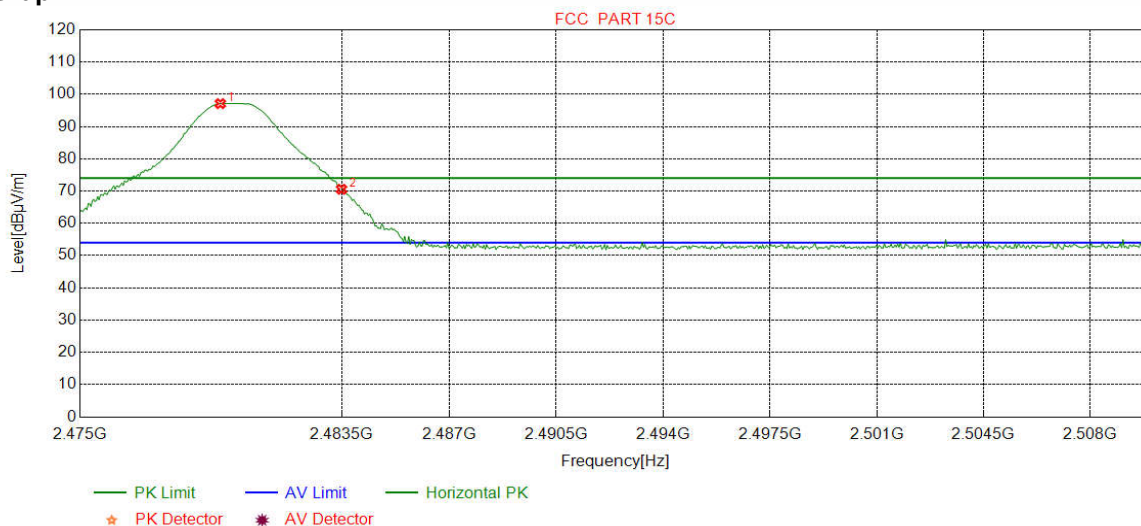


Mode:	$\pi/4$ DQPSK Transmitting	Channel:	2480
Remark:	Peak		

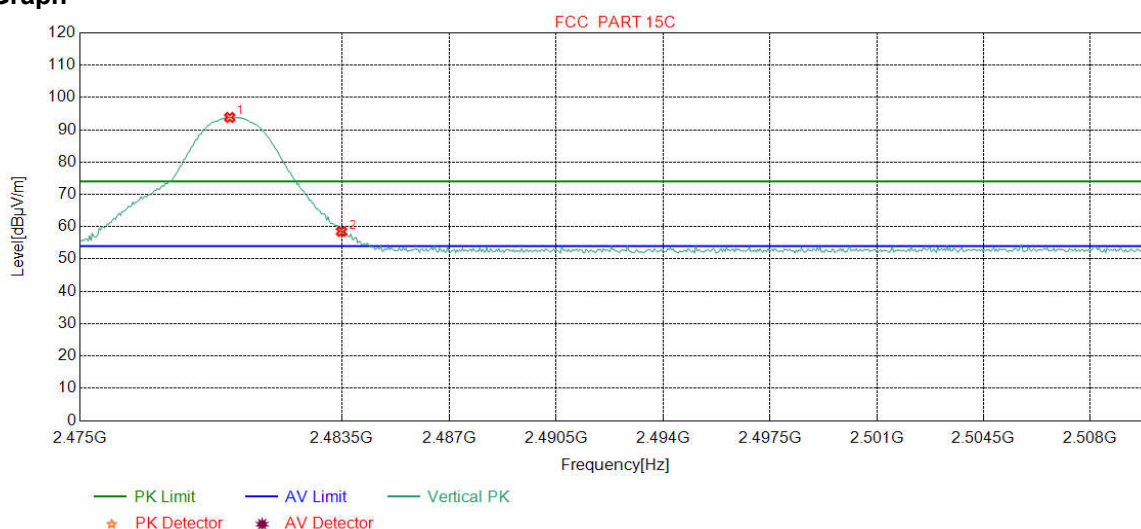
Test Graph



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	2479.5557	32.37	13.39	-42.39	93.74	97.11	74.00	-23.11	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	67.20	70.56	74.00	3.44	Pass	Horizontal

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

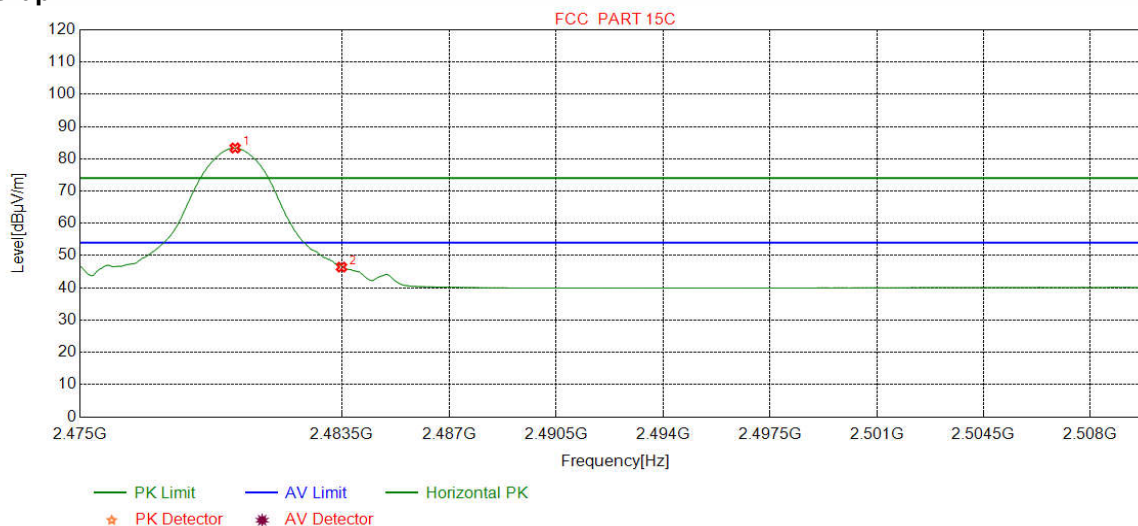
Test Graph



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	2479.8623	32.37	13.39	-42.39	90.46	93.83	74.00	-19.83	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	55.17	58.53	74.00	15.47	Pass	Vertical

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

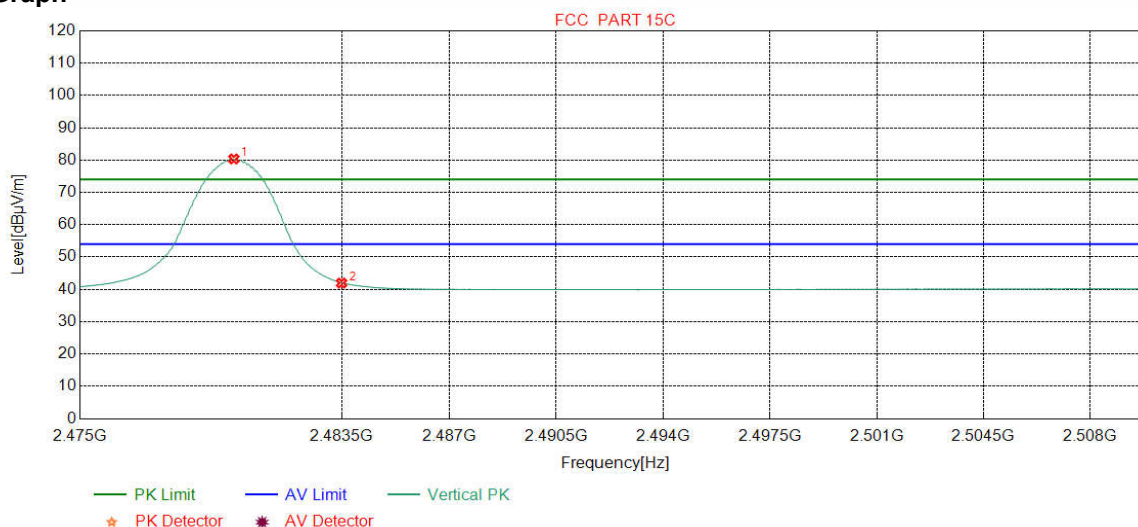
Test Graph



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	2480.0375	32.37	13.39	-42.39	79.99	83.36	54.00	-29.36	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	43.08	46.44	54.00	7.56	Pass	Horizontal

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

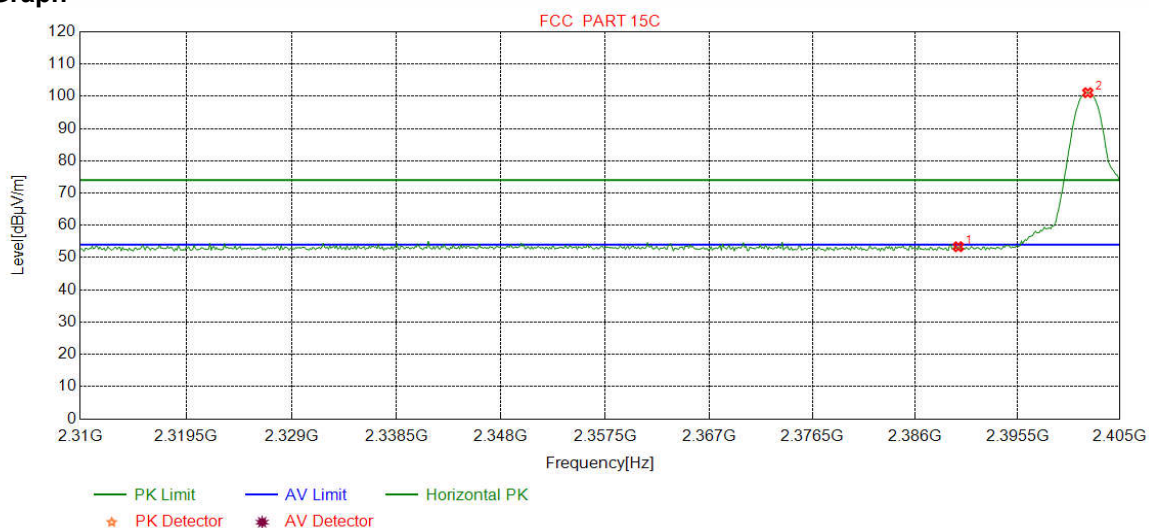
Test Graph



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	76.98	80.35	54.00	-26.35	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	38.60	41.96	54.00	12.04	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	Peak		

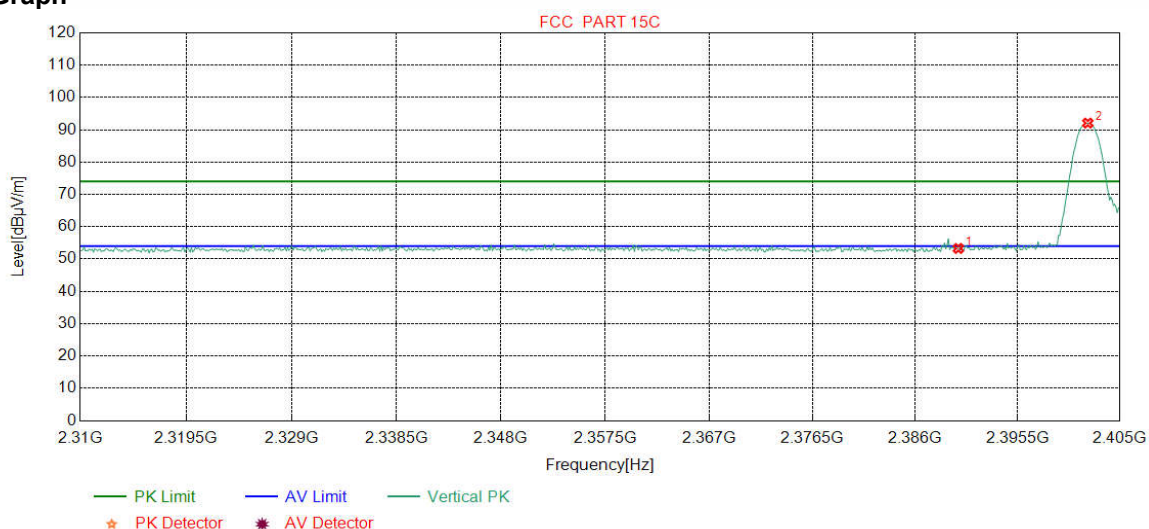
Test Graph



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	50.19	53.37	74.00	20.63	Pass	Horizontal
2	2402.0275	32.26	13.31	-42.43	97.97	101.11	74.00	-27.11	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	Peak		

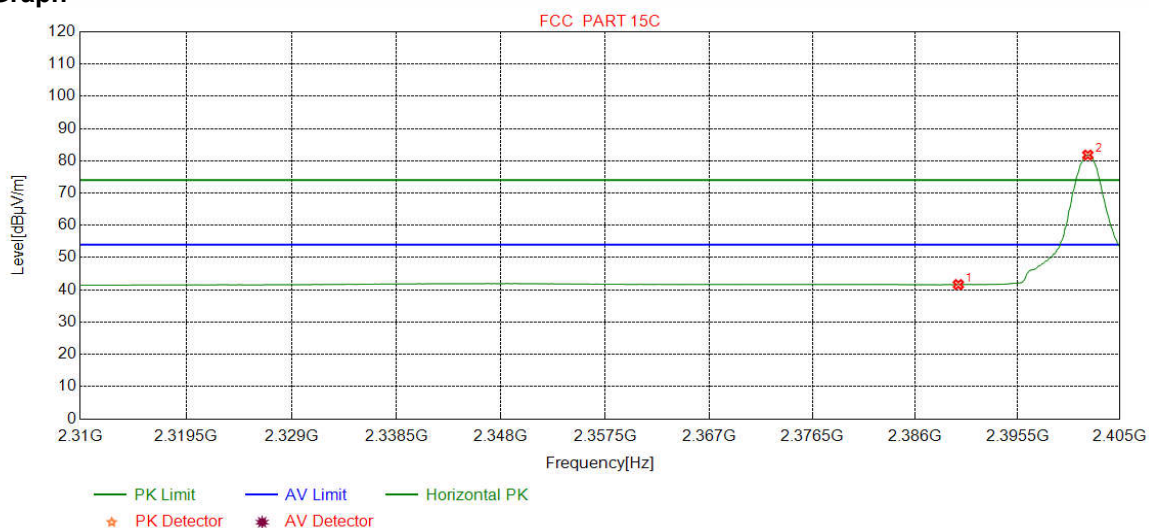
Test Graph



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	50.11	53.29	74.00	20.71	Pass	Vertical
2	2402.0275	32.26	13.31	-42.43	88.93	92.07	74.00	-18.07	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	AV		

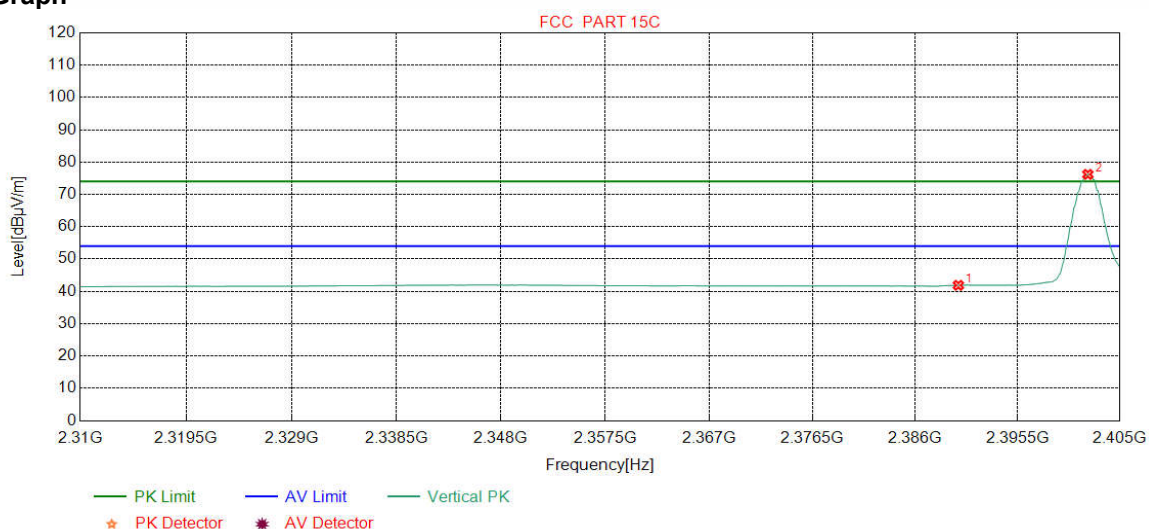
Test Graph



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	38.47	41.65	54.00	12.35	Pass	Horizontal
2	2402.0275	32.26	13.31	-42.43	78.66	81.80	54.00	-27.80	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	AV		

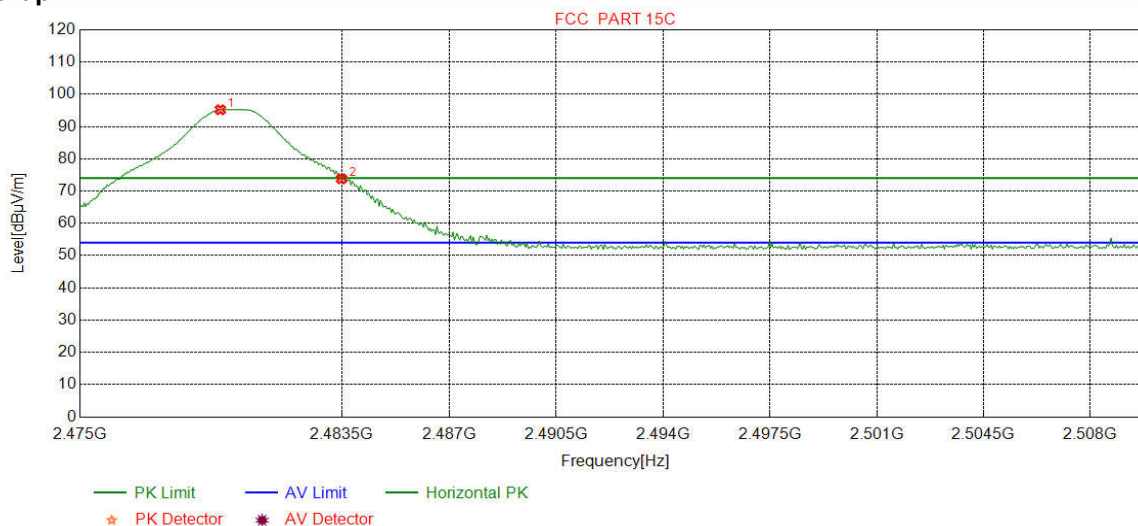
Test Graph



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	73.07	76.21	54.00	-22.21	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	Peak		

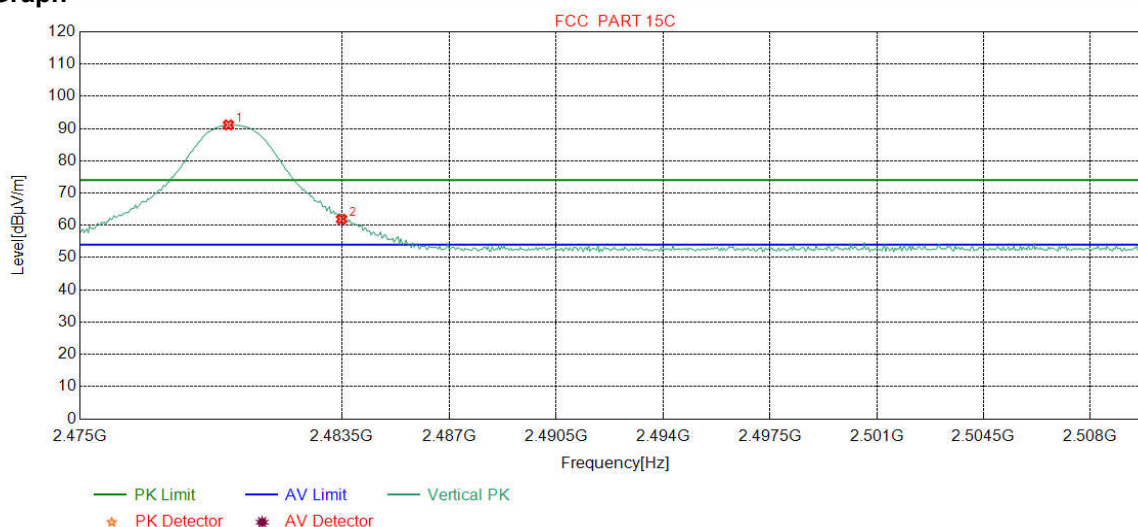
Test Graph



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	2479.5557	32.37	13.39	-42.39	91.84	95.21	74.00	-21.21	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	70.45	73.81	74.00	0.19	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	Peak		

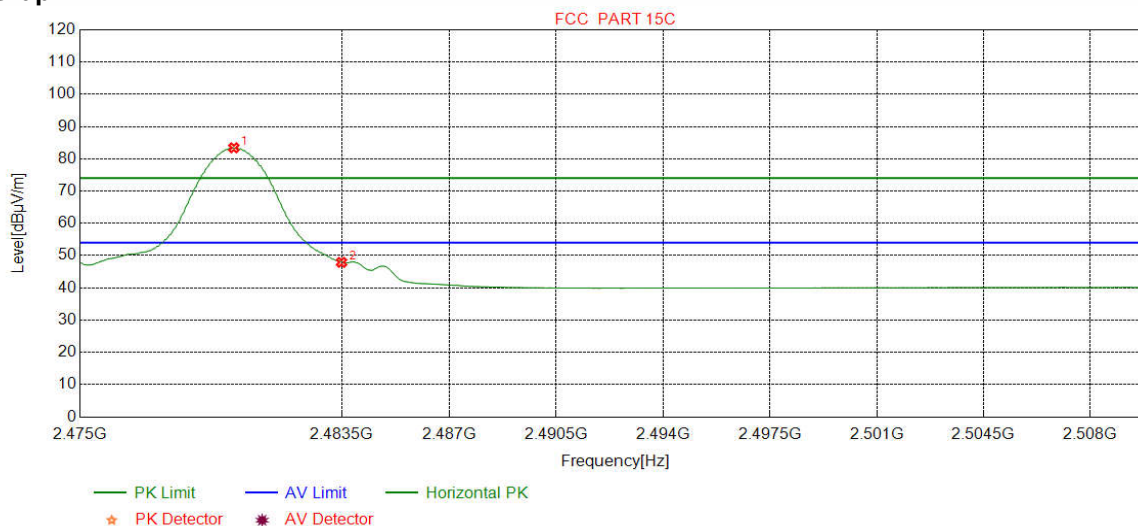
Test Graph



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	2479.8185	32.37	13.39	-42.39	87.77	91.14	74.00	-17.14	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	58.56	61.92	74.00	12.08	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	AV		

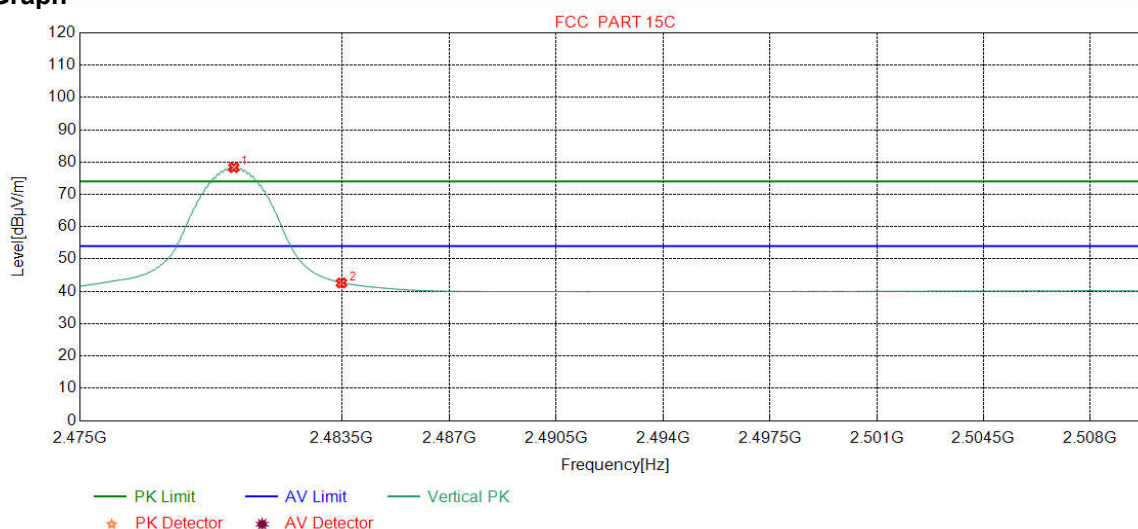
Test Graph



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	80.05	83.42	54.00	-29.42	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	44.55	47.91	54.00	6.09	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	74.96	78.33	54.00	-24.33	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	39.25	42.61	54.00	11.39	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 charge + 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
	1GHz-25GHz	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 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.: 25°C	Humid.: 55%	Press.: 101kPa	

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz

Mode:			GFSK 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	30.0000	10.50	0.63	-32.12	42.45	21.46	40.00	18.54	Pass	Horizontal
2	54.9315	12.41	0.84	-32.08	38.32	19.49	40.00	20.51	Pass	Horizontal
3	120.0250	9.20	1.30	-32.07	40.15	18.58	43.50	24.92	Pass	Horizontal
4	208.8859	11.13	1.71	-31.94	46.49	27.39	43.50	16.11	Pass	Horizontal
5	559.7700	18.20	2.82	-31.98	40.48	29.52	46.00	16.48	Pass	Horizontal
6	909.9750	22.16	3.60	-31.48	33.34	27.62	46.00	18.38	Pass	Horizontal

Mode:			GFSK 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	37.6638	11.55	0.69	-32.11	34.33	14.46	40.00	25.54	Pass	Vertical
2	72.0052	8.62	0.97	-32.05	34.38	11.92	40.00	28.08	Pass	Vertical
3	125.4575	8.38	1.32	-32.04	40.56	18.22	43.50	25.28	Pass	Vertical
4	335.8716	13.99	2.18	-31.80	40.57	24.94	46.00	21.06	Pass	Vertical
5	480.0280	16.68	2.61	-31.90	36.34	23.73	46.00	22.27	Pass	Vertical
6	995.6346	22.67	3.79	-30.72	33.93	29.67	54.00	24.33	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	30.7761	10.53	0.63	-32.12	40.08	19.12	40.00	20.88	Pass	Horizontal
2	54.5435	12.47	0.84	-32.08	38.13	19.36	40.00	20.64	Pass	Horizontal
3	120.0250	9.20	1.30	-32.07	39.14	17.57	43.50	25.93	Pass	Horizontal
4	208.8859	11.13	1.71	-31.94	46.65	27.55	43.50	15.95	Pass	Horizontal
5	625.0575	19.20	2.97	-31.98	36.77	26.96	46.00	19.04	Pass	Horizontal
6	998.7389	22.69	3.80	-30.69	35.06	30.86	54.00	23.14	Pass	Horizontal

Mode:			π /4DQPSK Transmitting				Channel:		2480	
Remark:			QP							
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]	Magin [dB]	Result	Polarity
1	37.6638	11.55	0.69	-32.11	35.17	15.30	40.00	24.70	Pass	Vertical
2	72.0052	8.62	0.97	-32.05	35.40	12.94	40.00	27.06	Pass	Vertical
3	127.8828	8.02	1.32	-32.03	40.01	17.32	43.50	26.18	Pass	Vertical
4	335.9686	13.99	2.18	-31.80	40.85	25.22	46.00	20.78	Pass	Vertical
5	504.1834	17.08	2.68	-31.92	34.52	22.36	46.00	23.64	Pass	Vertical
6	995.8286	22.67	3.79	-30.71	32.35	28.10	54.00	25.90	Pass	Vertical

Mode:			8DPSK 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	30.3880	10.52	0.63	-32.12	39.67	18.70	40.00	21.30	Pass	Horizontal
2	54.9315	12.41	0.84	-32.08	38.75	19.92	40.00	20.08	Pass	Horizontal
3	120.0250	9.20	1.30	-32.07	41.10	19.53	43.50	23.97	Pass	Horizontal
4	208.8859	11.13	1.71	-31.94	47.07	27.97	43.50	15.53	Pass	Horizontal
5	625.0575	19.20	2.97	-31.98	36.28	26.47	46.00	19.53	Pass	Horizontal
6	998.5449	22.69	3.80	-30.69	34.70	30.50	54.00	23.50	Pass	Horizontal

Mode:			8DPSK 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	37.5668	11.52	0.69	-32.12	33.85	13.94	40.00	26.06	Pass	Vertical
2	44.0664	13.03	0.74	-32.11	32.22	13.88	40.00	26.12	Pass	Vertical
3	120.0250	9.20	1.30	-32.07	38.46	16.89	43.50	26.61	Pass	Vertical
4	335.8716	13.99	2.18	-31.80	40.45	24.82	46.00	21.18	Pass	Vertical
5	492.0572	16.87	2.65	-31.89	34.05	21.68	46.00	24.32	Pass	Vertical
6	997.4777	22.68	3.79	-30.69	32.71	28.49	54.00	25.51	Pass	Vertical

Remark : All modes 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	1798.0798	30.37	3.32	-42.72	56.09	47.06	74.00	26.94	Pass	H	PK
2	2950.7951	33.12	4.40	-42.14	51.11	46.49	74.00	27.51	Pass	H	PK
3	4804.0000	34.50	4.55	-40.66	50.84	49.23	74.00	24.77	Pass	H	PK
4	7206.0000	36.31	5.81	-41.02	45.69	46.79	74.00	27.21	Pass	H	PK
5	9608.0000	37.64	6.63	-40.76	44.60	48.11	74.00	25.89	Pass	H	PK
6	12010.0000	39.31	7.60	-41.21	45.06	50.76	74.00	23.24	Pass	H	PK
7	1933.0933	31.26	3.42	-42.65	54.53	46.56	74.00	27.44	Pass	V	PK
8	2592.5593	32.55	4.10	-42.34	53.39	47.70	74.00	26.30	Pass	V	PK
9	4804.0000	34.50	4.55	-40.66	50.71	49.10	74.00	24.90	Pass	V	PK
10	7206.0000	36.31	5.81	-41.02	45.22	46.32	74.00	27.68	Pass	V	PK
11	9608.0000	37.64	6.63	-40.76	45.22	48.73	74.00	25.27	Pass	V	PK
12	12020.0000	39.31	7.60	-41.21	44.01	49.71	74.00	24.29	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	1794.6795	30.34	3.31	-42.70	57.01	47.96	74.00	26.04	Pass	H	PK
2	3023.4016	33.21	4.88	-42.10	49.84	45.83	74.00	28.17	Pass	H	PK
3	4882.0000	34.50	4.81	-40.60	53.88	52.59	74.00	21.41	Pass	H	PK
4	4882.0000	34.50	4.81	-40.60	47.60	46.31	54.00	7.69	Pass	H	AV
5	7323.0000	36.42	5.85	-40.91	44.88	46.24	74.00	27.76	Pass	H	PK
6	9764.0000	37.71	6.71	-40.62	43.26	47.06	74.00	26.94	Pass	H	PK
7	12205.0000	39.42	7.67	-41.16	44.81	50.74	74.00	23.26	Pass	H	PK
8	1916.4916	31.15	3.42	-42.65	54.60	46.52	74.00	27.48	Pass	V	PK
9	2994.9995	33.19	4.53	-42.12	50.82	46.42	74.00	27.58	Pass	V	PK
10	4882.0000	34.50	4.81	-40.60	52.29	51.00	74.00	23.00	Pass	V	PK
11	4882.0000	34.50	4.81	-40.60	45.88	44.59	54.00	9.41	Pass	V	AV
12	7323.0000	36.42	5.85	-40.91	44.62	45.98	74.00	28.02	Pass	V	PK
13	9764.0000	37.71	6.71	-40.62	43.31	47.11	74.00	26.89	Pass	V	PK
14	12205.0000	39.42	7.67	-41.16	45.57	51.50	74.00	22.50	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	2196.3196	31.97	3.65	-42.52	53.06	46.16	74.00	27.84	Pass	H	PK
2	3080.6054	33.23	4.76	-42.07	49.39	45.31	74.00	28.69	Pass	H	PK
3	4960.0000	34.50	4.82	-40.53	54.05	52.84	74.00	21.16	Pass	H	PK
4	4960.0000	34.50	4.82	-40.53	48.50	47.29	54.00	6.71	Pass	H	AV
5	7440.0000	36.54	5.85	-40.82	46.08	47.65	74.00	26.35	Pass	H	PK
6	9920.0000	37.77	6.79	-40.48	43.55	47.63	74.00	26.37	Pass	H	PK
7	12400.0000	39.54	7.86	-41.12	44.59	50.87	74.00	23.13	Pass	H	PK
8	1988.2988	31.62	3.46	-42.61	54.66	47.13	74.00	26.87	Pass	V	PK
9	3191.7628	33.28	4.64	-42.01	52.44	48.35	74.00	25.65	Pass	V	PK
10	4960.0000	34.50	4.82	-40.53	49.84	48.63	74.00	25.37	Pass	V	PK
11	7440.0000	36.54	5.85	-40.82	44.85	46.42	74.00	27.58	Pass	V	PK
12	9920.0000	37.77	6.79	-40.48	43.54	47.62	74.00	26.38	Pass	V	PK
13	12400.0000	39.54	7.86	-41.12	45.54	51.82	74.00	22.18	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	1599.8600	29.06	3.07	-42.90	52.11	41.34	74.00	32.66	Pass	H	PK
2	3002.6002	33.20	4.92	-42.11	50.67	46.68	74.00	27.32	Pass	H	PK
3	4804.0000	34.50	4.55	-40.66	52.45	50.84	74.00	23.16	Pass	H	PK
4	7206.0000	36.31	5.81	-41.02	45.50	46.60	74.00	27.40	Pass	H	PK
5	9608.0000	37.64	6.63	-40.76	44.81	48.32	74.00	25.68	Pass	H	PK
6	12010.0000	39.31	7.60	-41.21	44.27	49.97	74.00	24.03	Pass	H	PK
7	1896.8897	31.02	3.42	-42.66	55.16	46.94	74.00	27.06	Pass	V	PK
8	3198.9133	33.28	4.65	-42.00	50.81	46.74	74.00	27.26	Pass	V	PK
9	4804.0000	34.50	4.55	-40.66	50.89	49.28	74.00	24.72	Pass	V	PK
10	7206.0000	36.31	5.81	-41.02	45.61	46.71	74.00	27.29	Pass	V	PK
11	9608.0000	37.64	6.63	-40.76	45.16	48.67	74.00	25.33	Pass	V	PK
12	12010.0000	39.31	7.60	-41.21	43.56	49.26	74.00	24.74	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	1308.8309	28.21	2.76	-42.77	57.21	45.41	74.00	28.59	Pass	H	PK
2	2943.5944	33.11	4.40	-42.15	50.95	46.31	74.00	27.69	Pass	H	PK
3	4882.0000	34.50	4.81	-40.60	47.96	46.67	74.00	27.33	Pass	H	PK
4	7323.0000	36.42	5.85	-40.91	46.95	48.31	74.00	25.69	Pass	H	PK
5	9764.0000	37.71	6.71	-40.62	42.89	46.69	74.00	27.31	Pass	H	PK
6	12205.0000	39.42	7.67	-41.16	44.01	49.94	74.00	24.06	Pass	H	PK
7	1395.0395	28.30	2.89	-42.69	56.07	44.57	74.00	29.43	Pass	V	PK
8	1917.8918	31.16	3.42	-42.65	56.69	48.62	74.00	25.38	Pass	V	PK
9	4882.0000	34.50	4.81	-40.60	50.99	49.70	74.00	24.30	Pass	V	PK
10	7323.0000	36.42	5.85	-40.91	44.79	46.15	74.00	27.85	Pass	V	PK
11	9764.0000	37.71	6.71	-40.62	43.25	47.05	74.00	26.95	Pass	V	PK
12	12205.0000	39.42	7.67	-41.16	44.91	50.84	74.00	23.16	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	2007.7008	31.71	3.48	-42.60	50.68	43.27	74.00	30.73	Pass	H	PK
2	2989.5990	33.18	4.52	-42.12	51.25	46.83	74.00	27.17	Pass	H	PK
3	4960.0000	34.50	4.82	-40.53	51.23	50.02	74.00	23.98	Pass	H	PK
4	7440.0000	36.54	5.85	-40.82	45.33	46.90	74.00	27.10	Pass	H	PK
5	9920.0000	37.77	6.79	-40.48	43.59	47.67	74.00	26.33	Pass	H	PK
6	12400.0000	39.54	7.86	-41.12	44.86	51.14	74.00	22.86	Pass	H	PK
7	1902.6903	31.06	3.42	-42.66	57.03	48.85	74.00	25.15	Pass	V	PK
8	3186.5624	33.27	4.63	-42.00	52.23	48.13	74.00	25.87	Pass	V	PK
9	4960.0000	34.50	4.82	-40.53	50.26	49.05	74.00	24.95	Pass	V	PK
10	7440.0000	36.54	5.85	-40.82	44.49	46.06	74.00	27.94	Pass	V	PK
11	9920.0000	37.77	6.79	-40.48	43.24	47.32	74.00	26.68	Pass	V	PK
12	12400.0000	39.54	7.86	-41.12	46.27	52.55	74.00	21.45	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	1999.2999	31.70	3.47	-42.62	50.68	43.23	74.00	30.77	Pass	H	PK
2	3004.5503	33.20	4.92	-42.11	50.30	46.31	74.00	27.69	Pass	H	PK
3	4804.0000	34.50	4.55	-40.66	50.91	49.30	74.00	24.70	Pass	H	PK
4	7206.0000	36.31	5.81	-41.02	45.68	46.78	74.00	27.22	Pass	H	PK
5	9608.0000	37.64	6.63	-40.76	45.11	48.62	74.00	25.38	Pass	H	PK
6	12010.0000	39.31	7.60	-41.21	43.59	49.29	74.00	24.71	Pass	H	PK
7	1393.6394	28.29	2.89	-42.68	56.37	44.87	74.00	29.13	Pass	V	PK
8	2059.9060	31.78	3.56	-42.58	55.28	48.04	74.00	25.96	Pass	V	PK
9	4804.0000	34.50	4.55	-40.66	51.01	49.40	74.00	24.60	Pass	V	PK
10	7206.0000	36.31	5.81	-41.02	45.67	46.77	74.00	27.23	Pass	V	PK
11	9608.0000	37.64	6.63	-40.76	44.12	47.63	74.00	26.37	Pass	V	PK
12	12010.0000	39.31	7.60	-41.21	43.94	49.64	74.00	24.36	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	1595.2595	29.03	3.07	-42.89	54.21	43.42	74.00	30.58	Pass	H	PK
2	3044.2029	33.22	4.84	-42.09	50.45	46.42	74.00	27.58	Pass	H	PK
3	4882.0000	34.50	4.81	-40.60	50.89	49.60	74.00	24.40	Pass	H	PK
4	7323.0000	36.42	5.85	-40.91	46.93	48.29	74.00	25.71	Pass	H	PK
5	9764.0000	37.71	6.71	-40.62	43.31	47.11	74.00	26.89	Pass	H	PK
6	12205.0000	39.42	7.67	-41.16	44.66	50.59	74.00	23.41	Pass	H	PK
7	1930.6931	31.24	3.42	-42.64	55.92	47.94	74.00	26.06	Pass	V	PK
8	3196.9631	33.28	4.65	-42.01	51.77	47.69	74.00	26.31	Pass	V	PK
9	4882.0000	34.50	4.81	-40.60	52.12	50.83	74.00	23.17	Pass	V	PK
10	7323.0000	36.42	5.85	-40.91	45.48	46.84	74.00	27.16	Pass	V	PK
11	9764.0000	37.71	6.71	-40.62	44.36	48.16	74.00	25.84	Pass	V	PK
12	12205.0000	39.42	7.67	-41.16	44.61	50.54	74.00	23.46	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	1595.4595	29.03	3.07	-42.89	54.73	43.94	74.00	30.06	Pass	H	PK
2	1984.4985	31.60	3.45	-42.62	51.14	43.57	74.00	30.43	Pass	H	PK
3	4960.0000	34.50	4.82	-40.53	53.33	52.12	74.00	21.88	Pass	H	PK
4	4960.0000	34.50	4.82	-40.53	46.01	44.80	54.00	9.20	Pass	H	AV
5	7440.0000	36.54	5.85	-40.82	45.67	47.24	74.00	26.76	Pass	H	PK
6	9920.0000	37.77	6.79	-40.48	43.79	47.87	74.00	26.13	Pass	H	PK
7	12400.0000	39.54	7.86	-41.12	45.67	51.95	74.00	22.05	Pass	H	PK
8	1398.8399	28.30	2.90	-42.68	56.33	44.85	74.00	29.15	Pass	V	PK
9	1952.2952	31.39	3.42	-42.64	55.21	47.38	74.00	26.62	Pass	V	PK
10	4960.0000	34.50	4.82	-40.53	53.66	52.45	74.00	21.55	Pass	V	PK
11	4960.0000	34.50	4.82	-40.53	45.98	44.77	54.00	9.23	Pass	V	AV
12	7440.0000	36.54	5.85	-40.82	45.97	47.54	74.00	26.46	Pass	V	PK
13	9920.0000	37.77	6.79	-40.48	43.33	47.41	74.00	26.59	Pass	V	PK
14	12400.0000	39.54	7.86	-41.12	45.30	51.58	74.00	22.42	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:

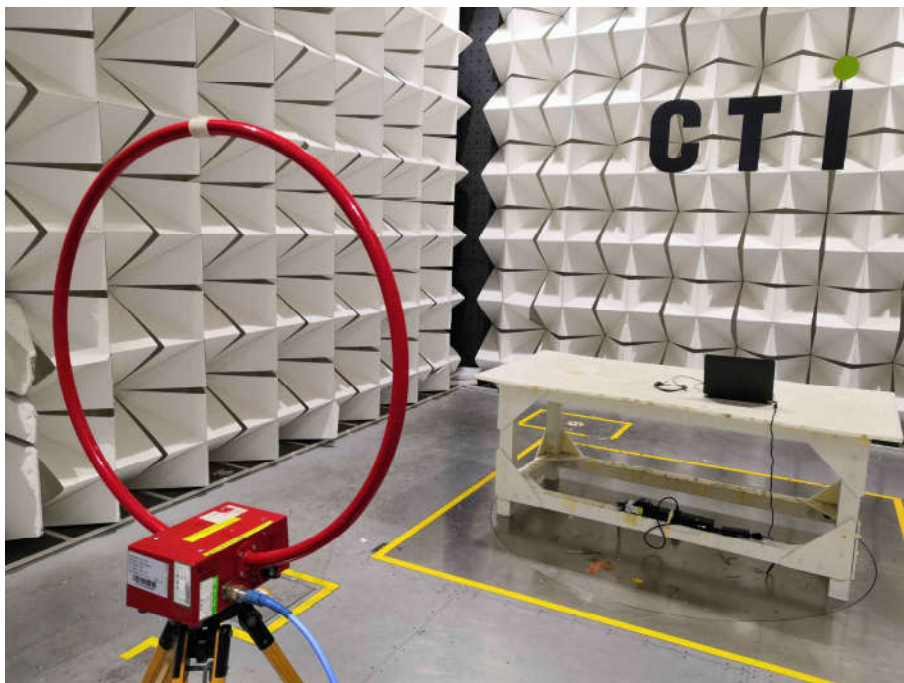
Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

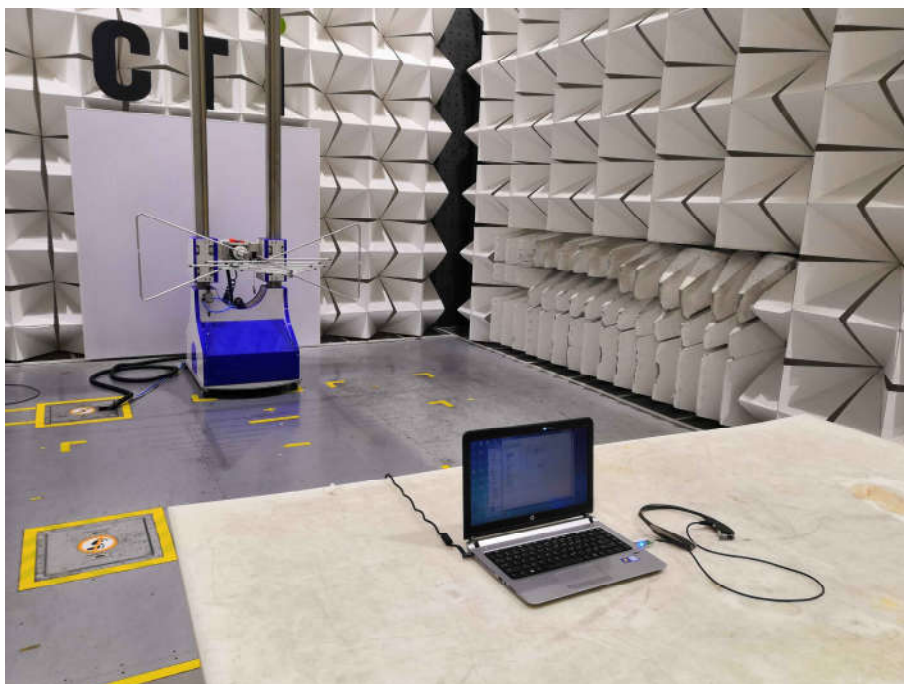
4) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below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

PHOTOGRAPHS OF TEST SETUP

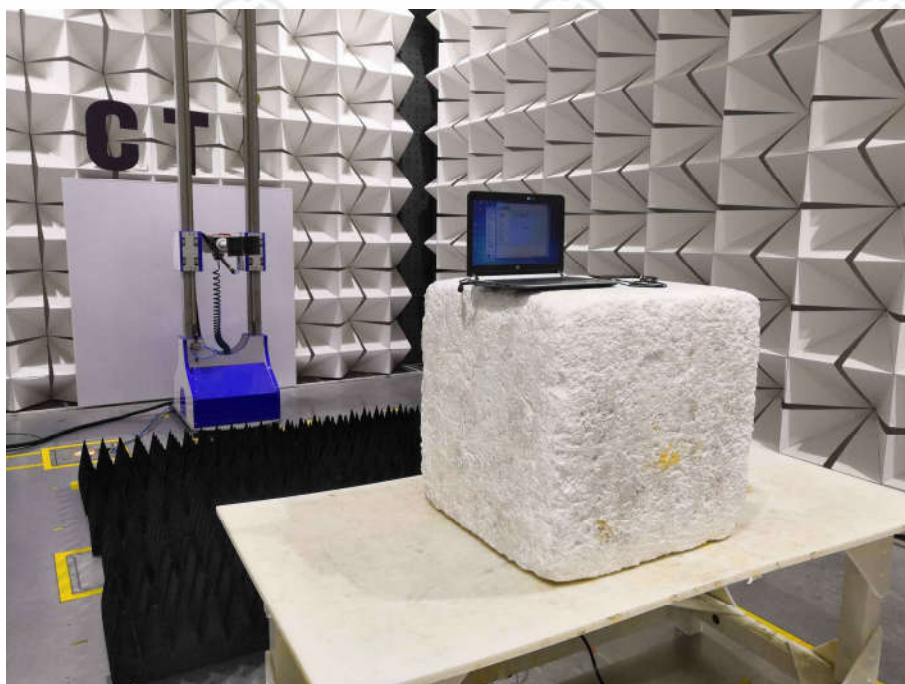
Test model No.: GWP-NHE-BT



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



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



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



Radiated spurious emission Test Setup for Close-up



Conducted Emissions Test Setup

PHOTOGRAPHS OF EUT Constructional Details

Test model No.: GWP-NHE-BT



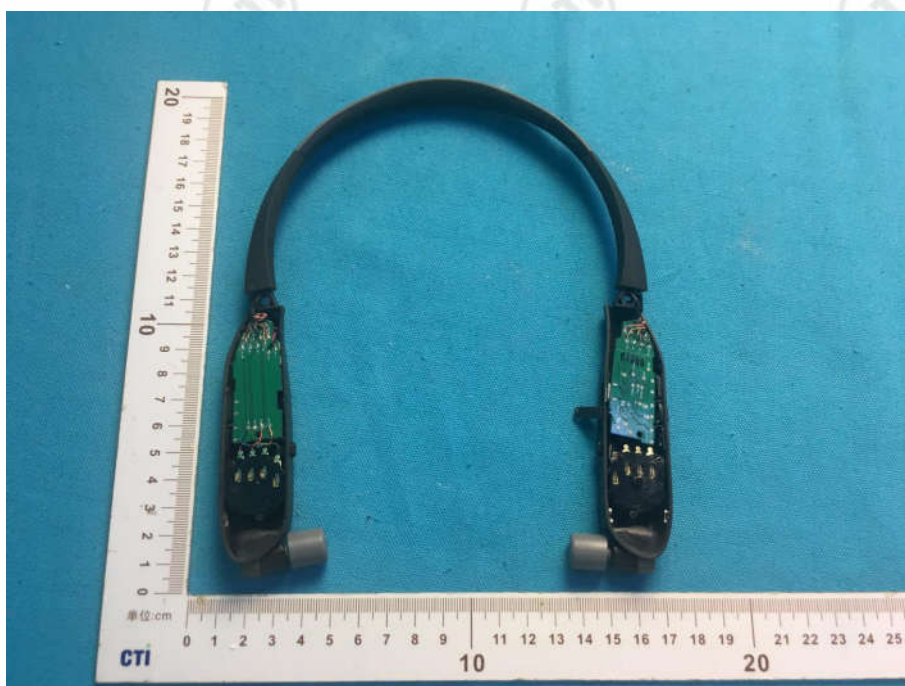
View of Product-1



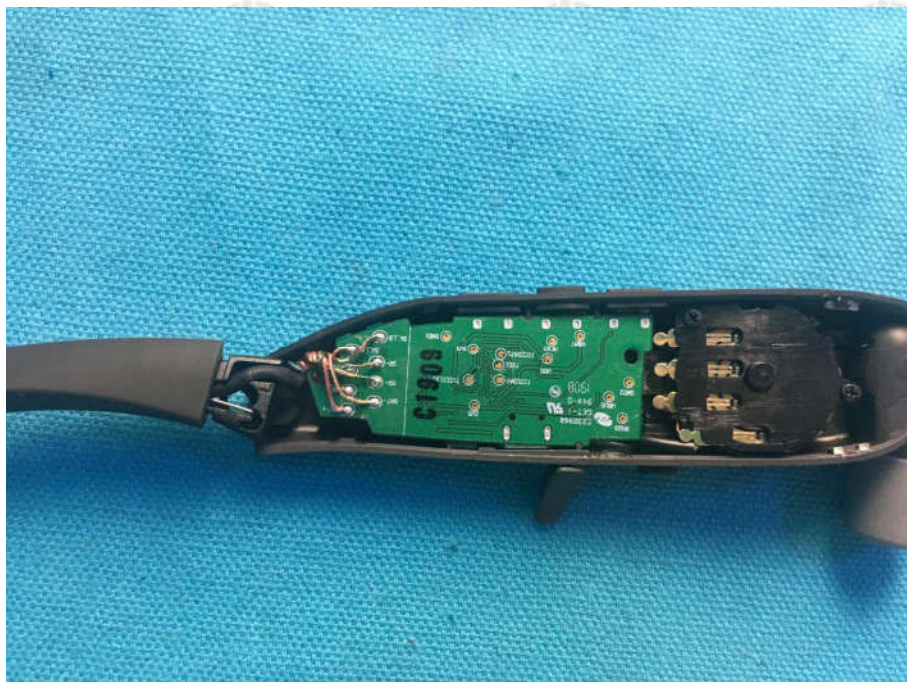
View of Product-2



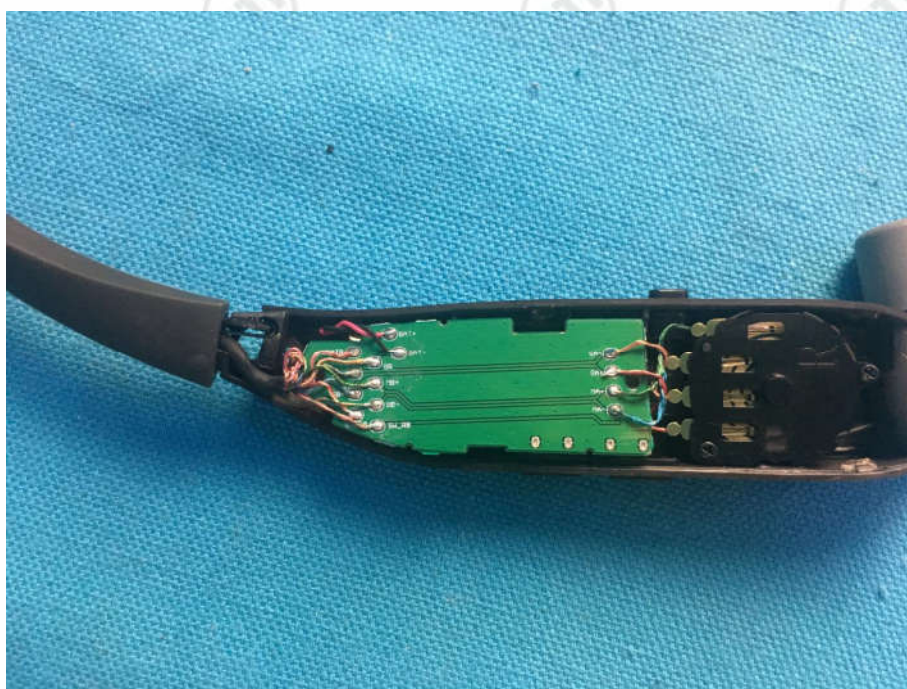
View of Product-3



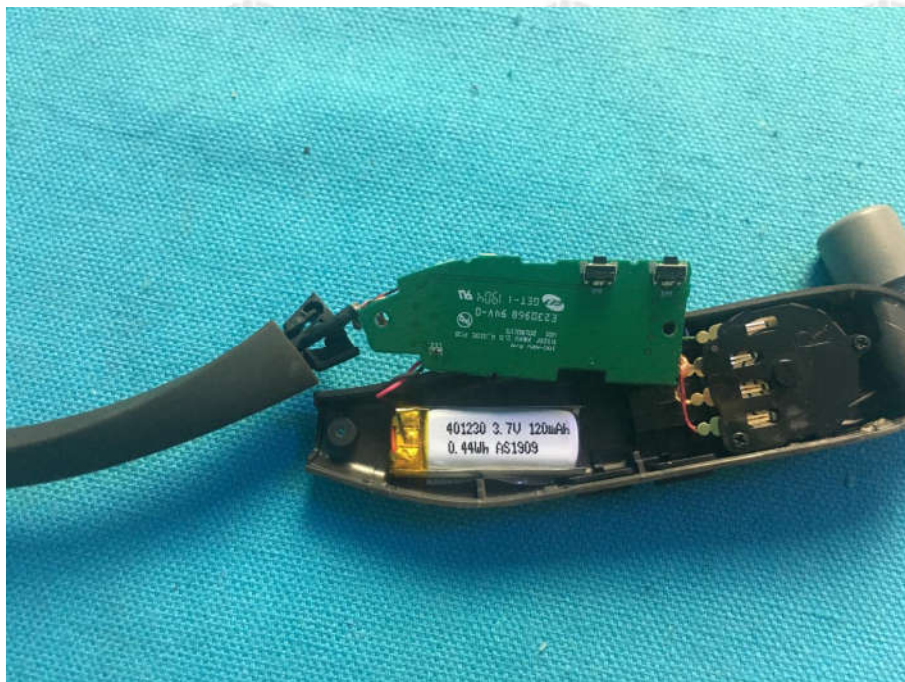
View of Product-4



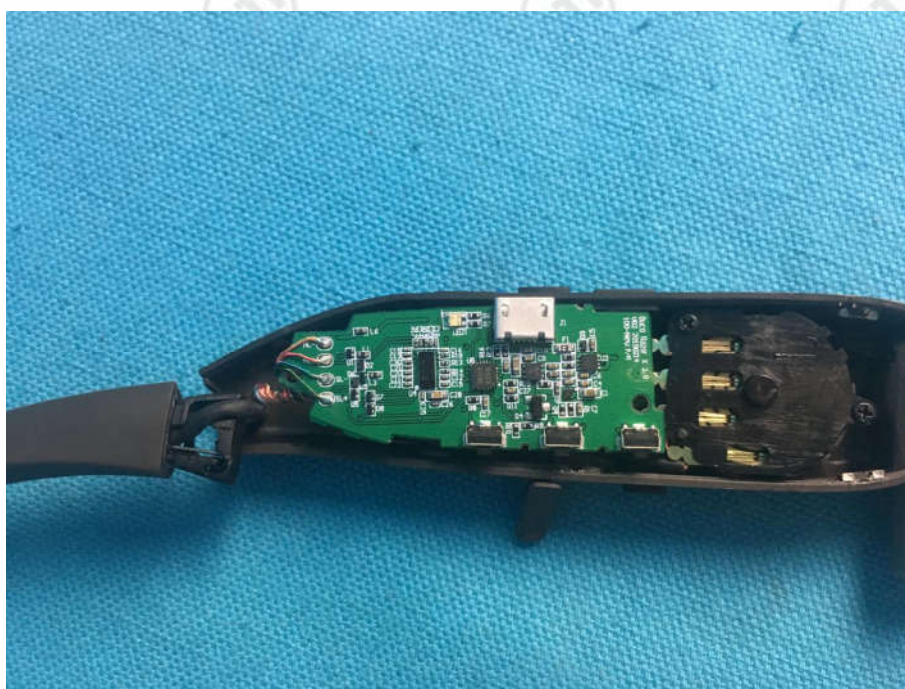
View of Product-5



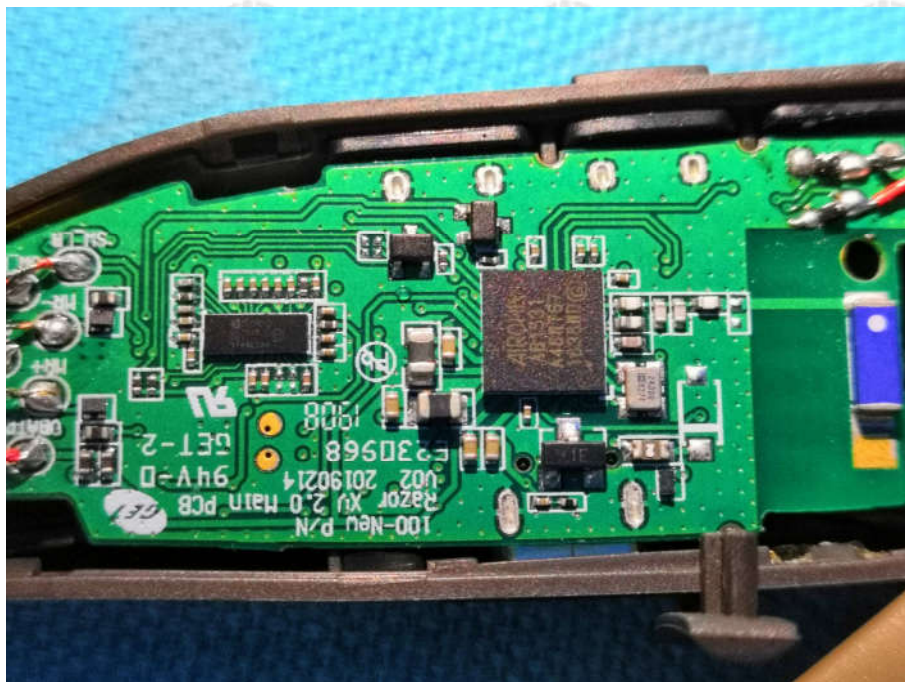
View of Product-6



View of Product-7



View of Product-8



View of Product-9

*** End of Report ***

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