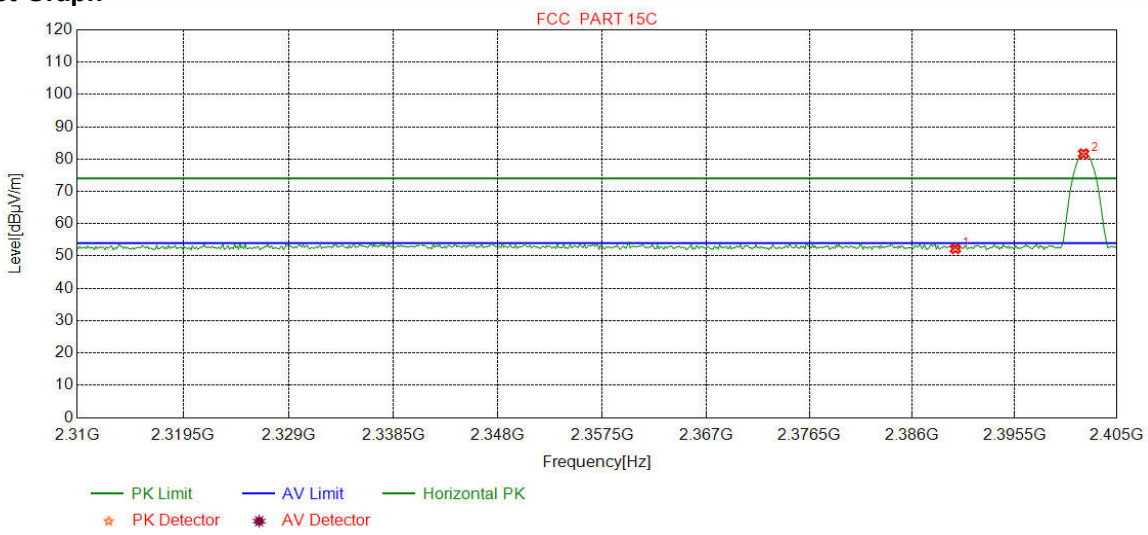
Mode:	π/4DQPSK Transmitting	Channel:	2402
Remark:	Peak		

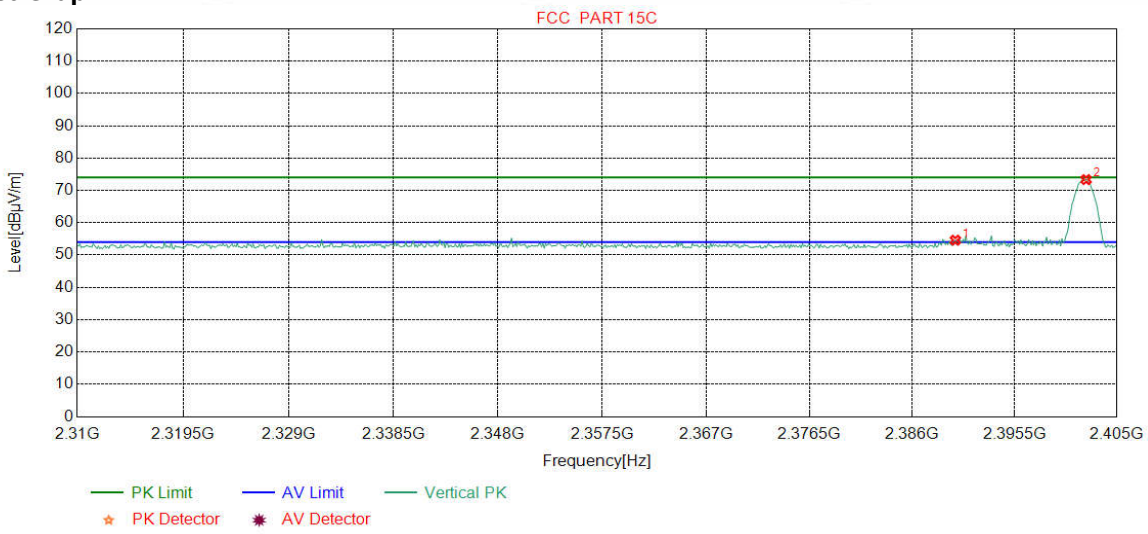
Test Graph



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	49.07	52.25	74.00	21.75	Pass	Horizontal
2	2401.9086	32.26	13.31	-42.43	78.54	81.68	74.00	-7.68	Pass	Horizontal

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

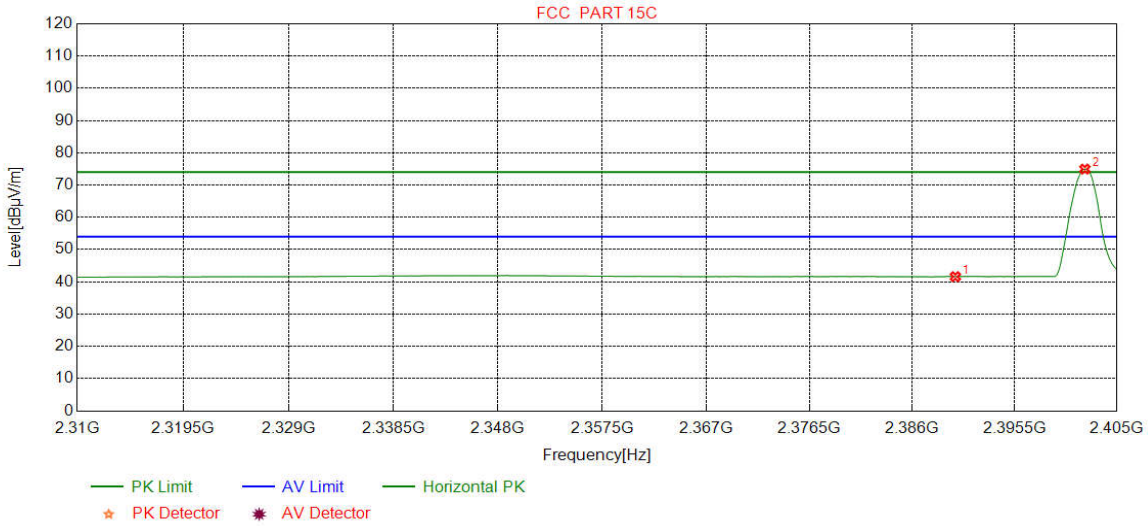
Test Graph



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	51.42	54.60	74.00	19.40	Pass	Vertical
2	2402.1464	32.26	13.31	-42.43	70.21	73.35	74.00	0.65	Pass	Vertical

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

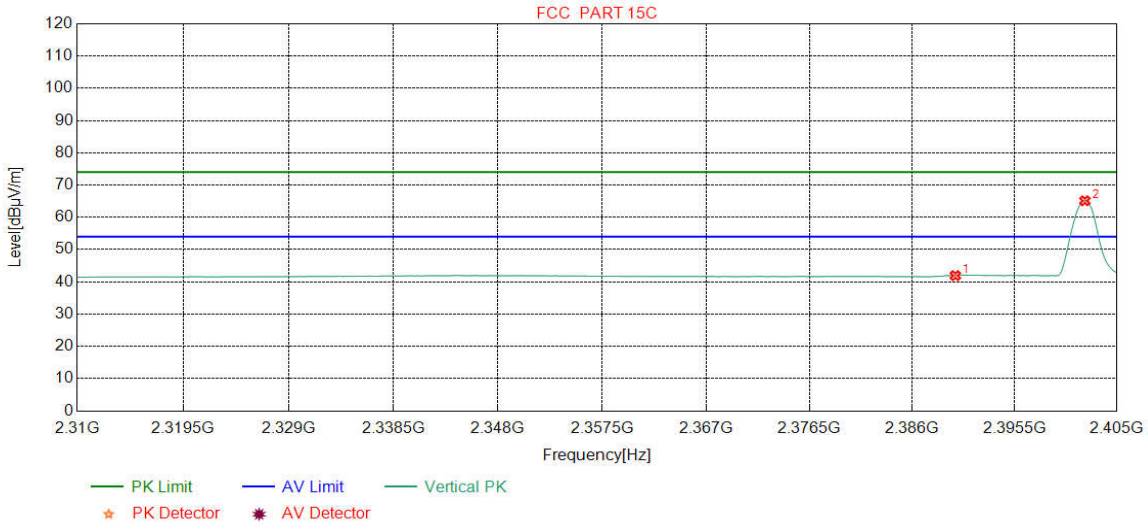
Test Graph



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	38.44	41.62	54.00	12.38	Pass	Horizontal
2	2402.0275	32.26	13.31	-42.43	71.81	74.95	54.00	-20.95	Pass	Horizontal

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

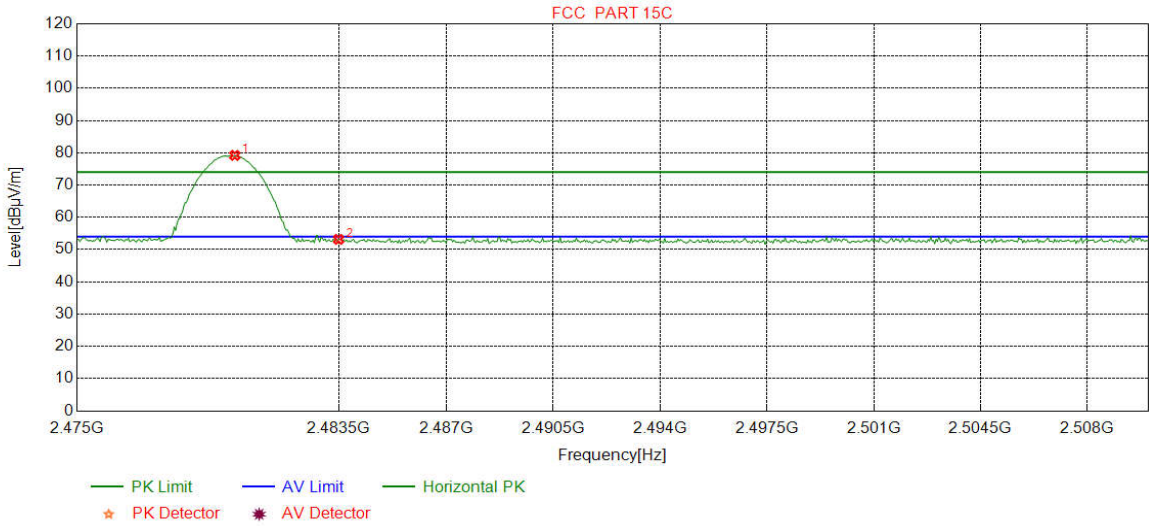
Test Graph



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	38.76	41.94	54.00	12.06	Pass	Vertical
2	2402.0275	32.26	13.31	-42.43	61.99	65.13	54.00	-11.13	Pass	Vertical

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

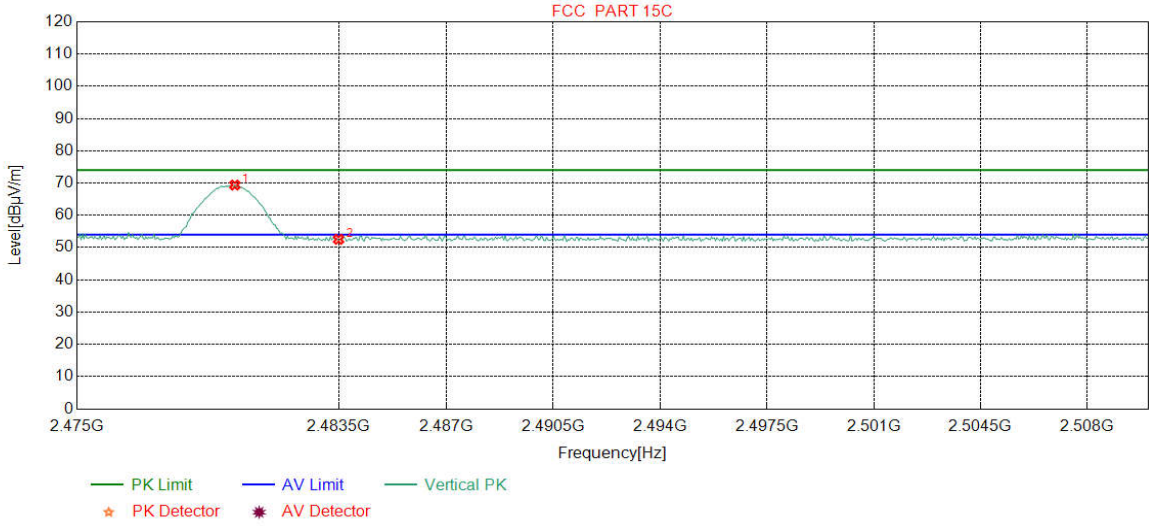
Test Graph



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	75.85	79.21	74.00	-5.21	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	49.81	53.17	74.00	20.83	Pass	Horizontal

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

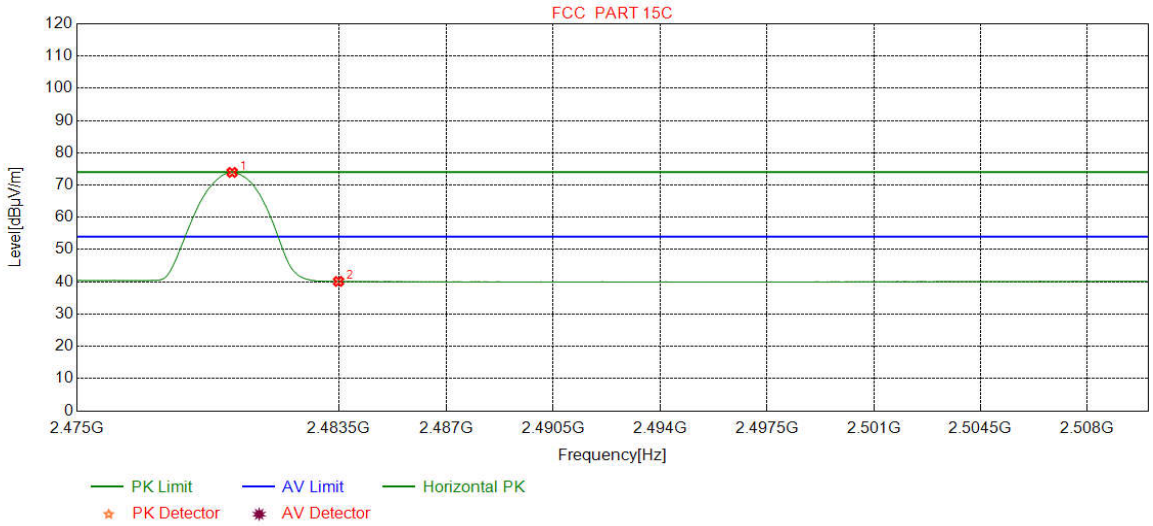
Test Graph



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	66.02	69.38	74.00	4.62	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	49.20	52.56	74.00	21.44	Pass	Vertical

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

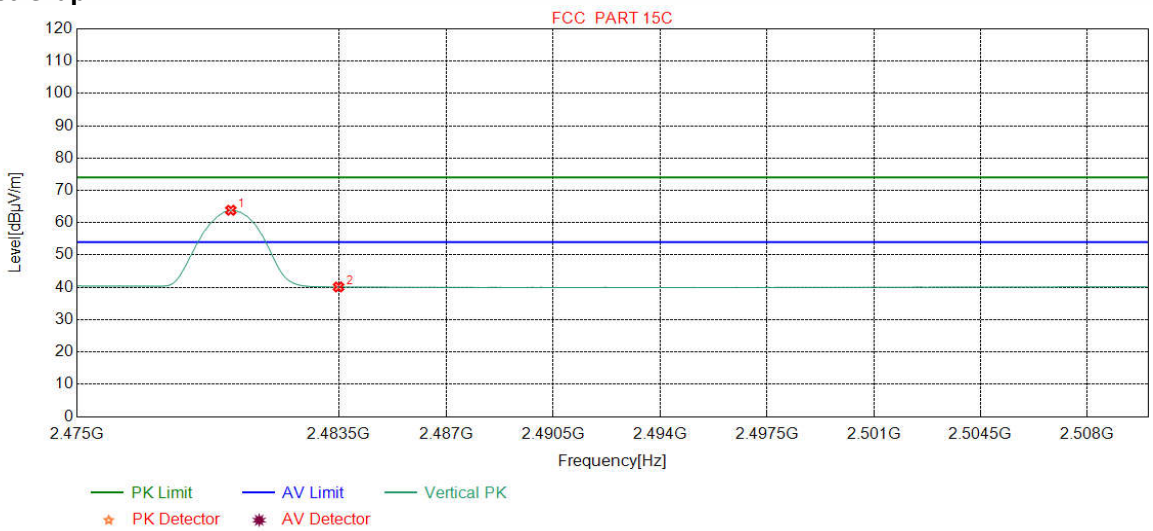
Test Graph



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	70.56	73.93	54.00	-19.93	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	36.77	40.13	54.00	13.87	Pass	Horizontal

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

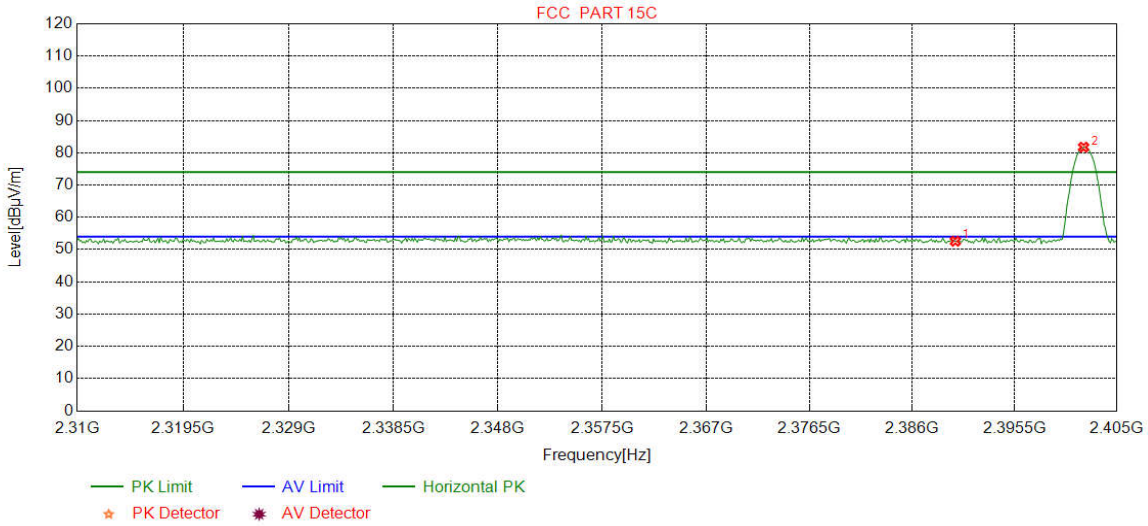
Test Graph



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	60.49	63.86	54.00	-9.86	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	36.77	40.13	54.00	13.87	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	Peak		

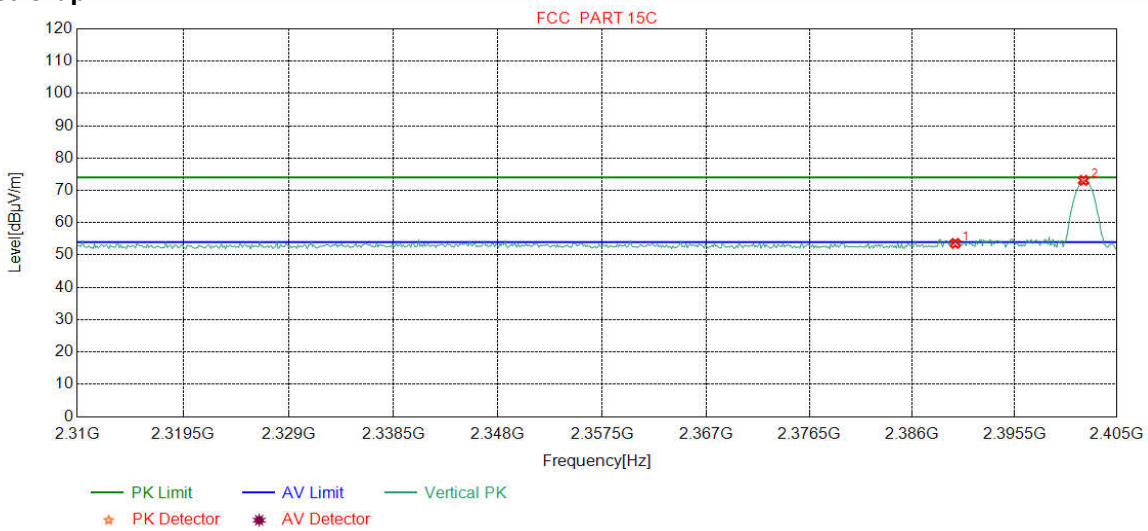
Test Graph



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	49.42	52.60	74.00	21.40	Pass	Horizontal
2	2401.9086	32.26	13.31	-42.43	78.62	81.76	74.00	-7.76	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	Peak		

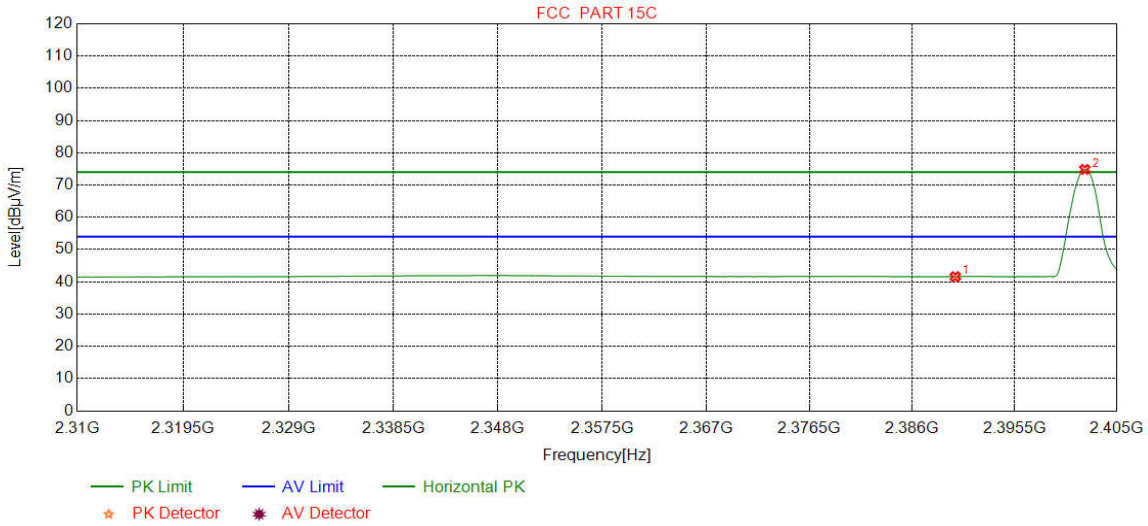
Test Graph



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	50.42	53.60	74.00	20.40	Pass	Vertical
2	2401.9086	32.26	13.31	-42.43	69.96	73.10	74.00	0.90	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	AV		

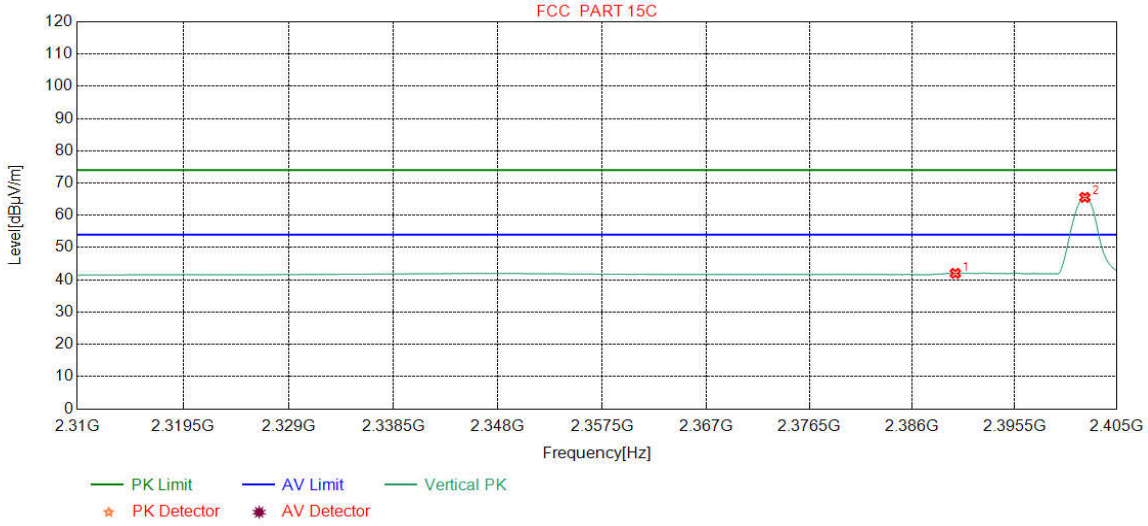
Test Graph



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	38.43	41.61	54.00	12.39	Pass	Horizontal
2	2402.0275	32.26	13.31	-42.43	71.70	74.84	54.00	-20.84	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2402
Remark:	AV		

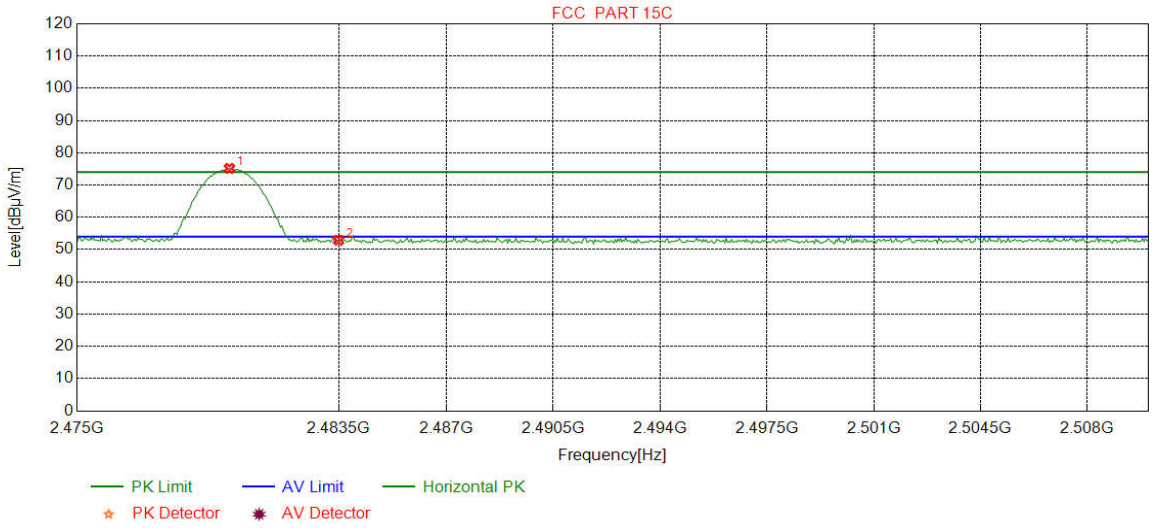
Test Graph



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	38.84	42.02	54.00	11.98	Pass	Vertical
2	2402.0275	32.26	13.31	-42.43	62.42	65.56	54.00	-11.56	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	Peak		

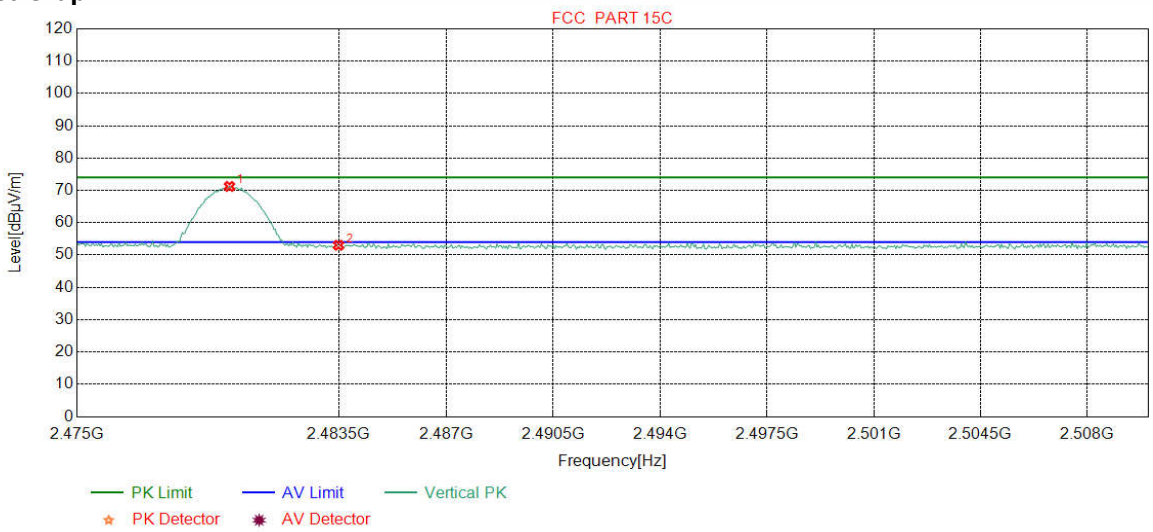
Test Graph



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	2479.9499	32.37	13.39	-42.39	71.80	75.17	74.00	-1.17	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	49.54	52.90	74.00	21.10	Pass	Horizontal

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	Peak		

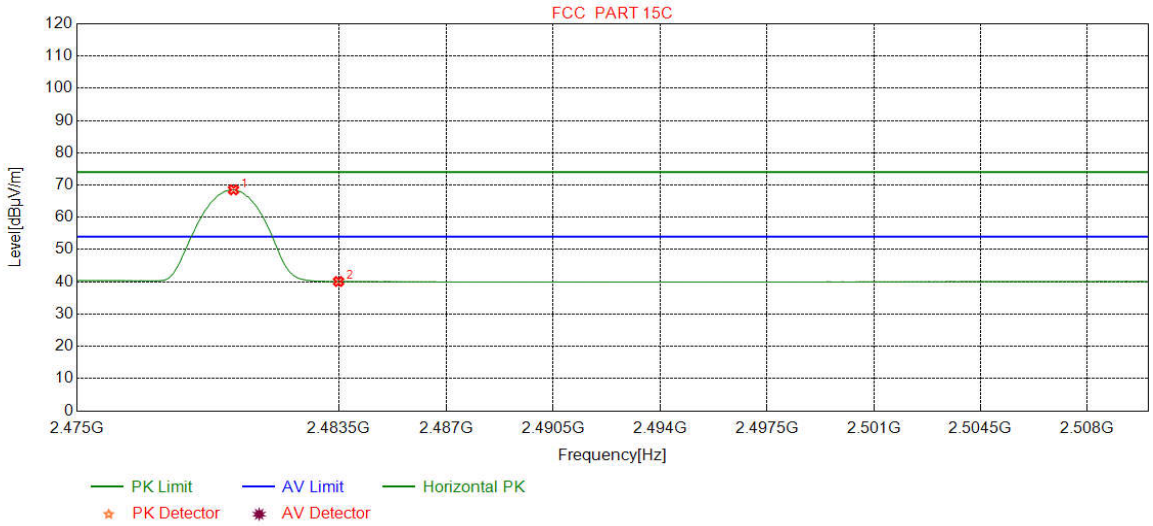
Test Graph



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	2479.9499	32.37	13.39	-42.39	67.87	71.24	74.00	2.76	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	49.67	53.03	74.00	20.97	Pass	Vertical

Mode:	8DPSK Transmitting	Channel:	2480
Remark:	AV		

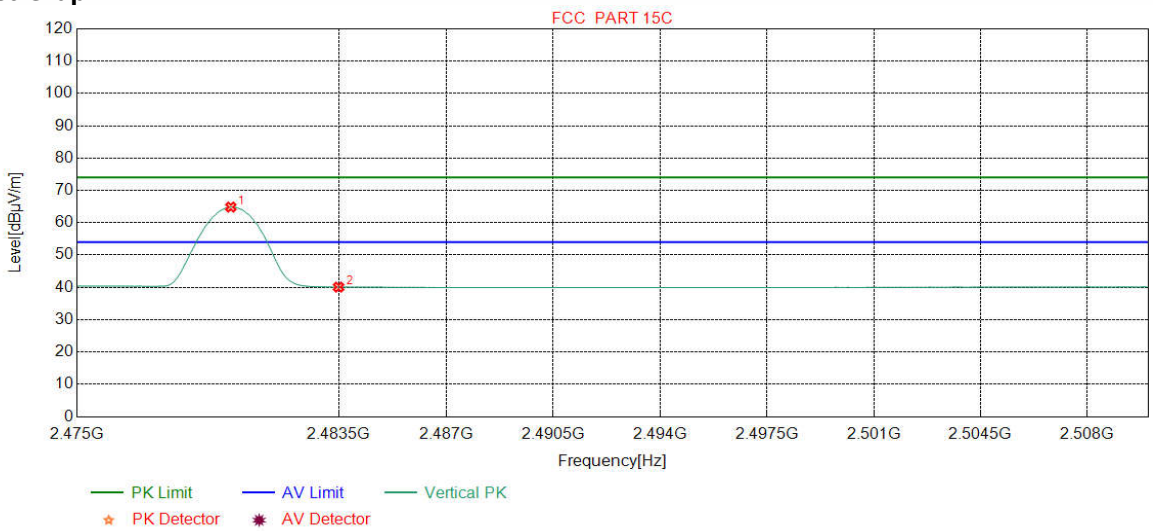
Test Graph



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	2480.0814	32.37	13.39	-42.40	65.17	68.53	54.00	-14.53	Pass	Horizontal
2	2483.5000	32.38	13.38	-42.40	36.74	40.10	54.00	13.90	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	61.49	64.86	54.00	-10.86	Pass	Vertical
2	2483.5000	32.38	13.38	-42.40	36.72	40.08	54.00	13.92	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 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
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.

Temperature:	24°C	**Humidity:**	57%

Radiated Emission below 1GHz

Mode:		8DPSK Transmitting					Channel:		2441		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Preamp gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	31.9402	10.58	0.64	-32.12	41.70	20.80	40.00	19.20	Pass	H	QP
2	127.3977	8.09	1.32	-32.03	47.84	25.22	43.50	18.28	Pass	H	QP
3	335.7746	13.99	2.18	-31.80	51.67	36.04	46.00	9.96	Pass	H	QP
4	384.2794	15.05	2.33	-31.85	52.93	38.46	46.00	7.54	Pass	H	QP
5	432.0082	15.91	2.46	-31.83	52.48	39.02	46.00	6.98	Pass	H	QP
6	539.9800	17.80	2.79	-31.95	50.76	39.40	46.00	6.60	Pass	H	QP
7	30.1940	10.51	0.63	-32.12	39.98	19.00	40.00	21.00	Pass	V	QP
8	55.4165	12.33	0.84	-32.07	39.64	20.74	40.00	19.26	Pass	V	QP
9	124.0994	8.59	1.31	-32.05	48.35	26.20	43.50	17.30	Pass	V	QP
10	208.8859	11.13	1.71	-31.94	46.13	27.03	43.50	16.47	Pass	V	QP
11	384.1824	15.05	2.33	-31.85	46.52	32.05	46.00	13.95	Pass	V	QP
12	480.0280	16.68	2.61	-31.90	45.74	33.13	46.00	12.87	Pass	V	QP

Mode:		π/4DQPSK Transmitting					Channel:		2441		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Preamp gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	30.3880	10.52	0.63	-32.12	43.43	22.46	40.00	17.54	Pass	H	QP
2	124.7785	8.48	1.31	-32.04	46.64	24.39	43.50	19.11	Pass	H	QP
3	335.8716	13.99	2.18	-31.80	52.40	36.77	46.00	9.23	Pass	H	QP
4	384.2794	15.05	2.33	-31.85	53.31	38.84	46.00	7.16	Pass	H	QP
5	480.0280	16.68	2.61	-31.90	52.29	39.68	46.00	6.32	Pass	H	QP
6	528.0478	17.56	2.75	-31.91	50.26	38.66	46.00	7.34	Pass	H	QP
7	31.3581	10.55	0.64	-32.12	39.55	18.62	40.00	21.38	Pass	V	QP
8	55.6106	12.30	0.85	-32.08	40.32	21.39	40.00	18.61	Pass	V	QP
9	124.0994	8.59	1.31	-32.05	46.92	24.77	43.50	18.73	Pass	V	QP
10	208.8859	11.13	1.71	-31.94	46.54	27.44	43.50	16.06	Pass	V	QP
11	347.8038	14.25	2.22	-31.86	51.50	36.11	46.00	9.89	Pass	V	QP
12	480.0280	16.68	2.61	-31.90	46.05	33.44	46.00	12.56	Pass	V	QP

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	31.4551	10.56	0.64	-32.12	42.94	22.02	40.00	17.98	Pass	H	QP
2	48.0438	13.20	0.78	-32.12	36.49	18.35	40.00	21.65	Pass	H	QP
3	126.4276	8.24	1.32	-32.04	48.04	25.56	43.50	17.94	Pass	H	QP
4	384.2794	15.05	2.33	-31.85	53.00	38.53	46.00	7.47	Pass	H	QP
5	480.0280	16.68	2.61	-31.90	51.27	38.66	46.00	7.34	Pass	H	QP
6	528.0478	17.56	2.75	-31.91	50.26	38.66	46.00	7.34	Pass	H	QP
7	30.9701	10.54	0.63	-32.12	41.41	20.46	40.00	19.54	Pass	V	QP
8	55.5136	12.32	0.85	-32.08	39.71	20.80	40.00	19.20	Pass	V	QP
9	120.0250	9.20	1.30	-32.07	47.52	25.95	43.50	17.55	Pass	V	QP
10	208.8859	11.13	1.71	-31.94	45.98	26.88	43.50	16.62	Pass	V	QP
11	384.2794	15.05	2.33	-31.85	48.51	34.04	46.00	11.96	Pass	V	QP
12	480.0280	16.68	2.61	-31.90	45.38	32.77	46.00	13.23	Pass	V	QP

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	1896.2896	31.02	3.42	-42.67	51.33	43.10	74.00	30.90	Pass	H	PK
2	3051.3534	33.22	4.83	-42.09	50.57	46.53	74.00	27.47	Pass	H	PK
3	4804.0000	34.50	4.55	-40.66	47.56	45.95	74.00	28.05	Pass	H	PK
4	6246.9665	35.85	5.34	-41.14	47.66	47.71	74.00	26.29	Pass	H	PK
5	7206.0000	36.31	5.81	-41.02	44.90	46.00	74.00	28.00	Pass	H	PK
6	9608.0000	37.64	6.63	-40.76	44.71	48.22	74.00	25.78	Pass	H	PK
7	1594.8595	29.03	3.07	-42.90	58.77	47.97	74.00	26.03	Pass	V	PK
8	3002.6002	33.20	4.92	-42.11	50.69	46.70	74.00	27.30	Pass	V	PK
9	4804.0000	34.50	4.55	-40.66	46.54	44.93	74.00	29.07	Pass	V	PK
10	6244.3663	35.85	5.34	-41.14	47.98	48.03	74.00	25.97	Pass	V	PK
11	7206.0000	36.31	5.81	-41.02	45.04	46.14	74.00	27.86	Pass	V	PK
12	9608.0000	37.64	6.63	-40.76	44.23	47.74	74.00	26.26	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	1593.6594	29.02	3.06	-42.88	53.49	42.69	74.00	31.31	Pass	H	PK
2	3174.8617	33.27	4.61	-42.02	50.52	46.38	74.00	27.62	Pass	H	PK
3	4882.0000	34.50	4.81	-40.60	46.85	45.56	74.00	28.44	Pass	H	PK
4	6280.7687	35.86	5.42	-41.15	47.48	47.61	74.00	26.39	Pass	H	PK
5	7323.0000	36.42	5.85	-40.91	45.63	46.99	74.00	27.01	Pass	H	PK
6	9764.0000	37.71	6.71	-40.62	44.94	48.74	74.00	25.26	Pass	H	PK
7	1595.0595	29.03	3.07	-42.90	58.03	47.23	74.00	26.77	Pass	V	PK
8	3447.8799	33.38	4.44	-41.86	49.33	45.29	74.00	28.71	Pass	V	PK
9	4882.0000	34.50	4.81	-40.60	44.98	43.69	74.00	30.31	Pass	V	PK
10	6110.4574	35.82	5.26	-41.11	48.04	48.01	74.00	25.99	Pass	V	PK
11	7323.0000	36.42	5.85	-40.91	45.38	46.74	74.00	27.26	Pass	V	PK
12	9764.0000	37.71	6.71	-40.62	44.84	48.64	74.00	25.36	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	1437.8438	28.34	2.94	-42.68	51.31	39.91	74.00	34.09	Pass	H	PK
2	4162.2775	34.03	4.50	-40.82	47.18	44.89	74.00	29.11	Pass	H	PK
3	4960.0000	34.50	4.82	-40.53	45.89	44.68	74.00	29.32	Pass	H	PK
4	6195.6130	35.84	5.22	-41.13	47.44	47.37	74.00	26.63	Pass	H	PK
5	7440.0000	36.54	5.85	-40.82	45.46	47.03	74.00	26.97	Pass	H	PK
6	9920.0000	37.77	6.79	-40.48	44.60	48.68	74.00	25.32	Pass	H	PK
7	1396.0396	28.30	2.89	-42.68	53.36	41.87	74.00	32.13	Pass	V	PK
8	3198.9133	33.28	4.65	-42.00	50.60	46.53	74.00	27.47	Pass	V	PK
9	4960.0000	34.50	4.82	-40.53	45.83	44.62	74.00	29.38	Pass	V	PK
10	5964.1976	35.74	5.33	-41.06	47.74	47.75	74.00	26.25	Pass	V	PK
11	7440.0000	36.54	5.85	-40.82	44.37	45.94	74.00	28.06	Pass	V	PK
12	9920.0000	37.77	6.79	-40.48	44.80	48.88	74.00	25.12	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	1338.0338	28.24	2.80	-42.74	51.58	39.88	74.00	34.12	Pass	H	PK
2	3014.9510	33.21	4.90	-42.11	50.70	46.70	74.00	27.30	Pass	H	PK
3	4804.0000	34.50	4.55	-40.66	45.49	43.88	74.00	30.12	Pass	H	PK
4	5945.3464	35.71	5.30	-41.04	48.26	48.23	74.00	25.77	Pass	H	PK
5	7206.0000	36.31	5.81	-41.02	45.65	46.75	74.00	27.25	Pass	H	PK
6	9608.0000	37.64	6.63	-40.76	44.91	48.42	74.00	25.58	Pass	H	PK
7	1386.8387	28.29	2.88	-42.70	54.92	43.39	74.00	30.61	Pass	V	PK
8	3286.0191	33.31	4.54	-41.94	50.78	46.69	74.00	27.31	Pass	V	PK
9	4804.0000	34.50	4.55	-40.66	46.72	45.11	74.00	28.89	Pass	V	PK
10	5995.3997	35.79	5.34	-41.09	47.63	47.67	74.00	26.33	Pass	V	PK
11	7206.0000	36.31	5.81	-41.02	44.92	46.02	74.00	27.98	Pass	V	PK
12	9608.0000	37.64	6.63	-40.76	44.69	48.20	74.00	25.80	Pass	V	PK

Mode:		π/4DQPSK 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	1400.0400	28.30	2.90	-42.68	51.81	40.33	74.00	33.67	Pass	H	PK
2	2916.9917	33.07	4.39	-42.17	51.07	46.36	74.00	27.64	Pass	H	PK
3	4882.0000	34.50	4.81	-40.60	45.61	44.32	74.00	29.68	Pass	H	PK
4	6495.9331	35.90	5.47	-41.19	47.72	47.90	74.00	26.10	Pass	H	PK
5	7323.0000	36.42	5.85	-40.91	43.83	45.19	74.00	28.81	Pass	H	PK
6	9764.0000	37.71	6.71	-40.62	45.54	49.34	74.00	24.66	Pass	H	PK
7	1394.0394	28.29	2.89	-42.68	55.08	43.58	74.00	30.42	Pass	V	PK
8	3193.0629	33.28	4.64	-42.01	50.79	46.70	74.00	27.30	Pass	V	PK
9	4882.0000	34.50	4.81	-40.60	45.09	43.80	74.00	30.20	Pass	V	PK
10	5971.9981	35.76	5.33	-41.07	47.64	47.66	74.00	26.34	Pass	V	PK
11	7323.0000	36.42	5.85	-40.91	45.01	46.37	74.00	27.63	Pass	V	PK
12	9764.0000	37.71	6.71	-40.62	44.19	47.99	74.00	26.01	Pass	V	PK

Mode:		π/4DQPSK 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	1806.0806	30.42	3.33	-42.71	53.93	44.97	74.00	29.03	Pass	H	PK
2	3190.4627	33.28	4.63	-42.00	50.55	46.46	74.00	27.54	Pass	H	PK
3	4960.0000	34.50	4.82	-40.53	45.57	44.36	74.00	29.64	Pass	H	PK
4	6334.0723	35.87	5.46	-41.16	48.14	48.31	74.00	25.69	Pass	H	PK
5	7440.0000	36.54	5.85	-40.82	45.45	47.02	74.00	26.98	Pass	H	PK
6	9920.0000	37.77	6.79	-40.48	44.03	48.11	74.00	25.89	Pass	H	PK
7	1398.2398	28.30	2.90	-42.69	55.09	43.60	74.00	30.40	Pass	V	PK
8	3197.6132	33.28	4.65	-42.01	51.17	47.09	74.00	26.91	Pass	V	PK
9	4960.0000	34.50	4.82	-40.53	45.80	44.59	74.00	29.41	Pass	V	PK
10	5958.9973	35.73	5.32	-41.05	48.22	48.22	74.00	25.78	Pass	V	PK
11	7440.0000	36.54	5.85	-40.82	44.23	45.80	74.00	28.20	Pass	V	PK
12	9920.0000	37.77	6.79	-40.48	45.40	49.48	74.00	24.52	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	1596.8597	29.04	3.07	-42.90	52.95	42.16	74.00	31.84	Pass	H	PK
2	3007.1505	33.20	4.92	-42.12	50.44	46.44	74.00	27.56	Pass	H	PK
3	4882.0000	34.50	4.81	-40.60	45.53	44.24	74.00	29.76	Pass	H	PK
4	6300.9201	35.86	5.46	-41.15	47.74	47.91	74.00	26.09	Pass	H	PK
5	7323.0000	36.42	5.85	-40.91	45.33	46.69	74.00	27.31	Pass	H	PK
6	9764.0000	37.71	6.71	-40.62	45.08	48.88	74.00	25.12	Pass	H	PK
7	1399.4399	28.30	2.90	-42.68	55.60	44.12	74.00	29.88	Pass	V	PK
8	2829.7830	32.93	4.23	-42.21	51.31	46.26	74.00	27.74	Pass	V	PK
9	4882.0000	34.50	4.81	-40.60	46.16	44.87	74.00	29.13	Pass	V	PK
10	6258.0172	35.85	5.37	-41.14	48.96	49.04	74.00	24.96	Pass	V	PK
11	7323.0000	36.42	5.85	-40.91	45.94	47.30	74.00	26.70	Pass	V	PK
12	9764.0000	37.71	6.71	-40.62	44.80	48.60	74.00	25.40	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	1297.8298	28.20	2.75	-42.79	57.17	45.33	74.00	28.67	Pass	H	PK
2	3007.8005	33.20	4.91	-42.11	49.60	45.60	74.00	28.40	Pass	H	PK
3	4960.0000	34.50	4.82	-40.53	46.14	44.93	74.00	29.07	Pass	H	PK
4	6265.8177	35.85	5.38	-41.14	47.74	47.83	74.00	26.17	Pass	H	PK
5	7440.0000	36.54	5.85	-40.82	44.73	46.30	74.00	27.70	Pass	H	PK
6	9920.0000	37.77	6.79	-40.48	44.36	48.44	74.00	25.56	Pass	H	PK
7	1791.2791	30.32	3.30	-42.70	53.56	44.48	74.00	29.52	Pass	V	PK
8	2991.9992	33.19	4.53	-42.13	50.40	45.99	74.00	28.01	Pass	V	PK
9	4960.0000	34.50	4.82	-40.53	45.75	44.54	74.00	29.46	Pass	V	PK
10	6219.0146	35.84	5.27	-41.13	47.54	47.52	74.00	26.48	Pass	V	PK
11	7440.0000	36.54	5.85	-40.82	45.87	47.44	74.00	26.56	Pass	V	PK
12	9920.0000	37.77	6.79	-40.48	44.53	48.61	74.00	25.39	Pass	V	PK

Mode:		8DPSK Transmitting					Channel:		2480		
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Preamp gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1385.0385	28.29	2.88	-42.70	53.93	42.40	74.00	31.60	Pass	H	PK
2	2969.1969	33.15	4.46	-42.14	50.39	45.86	74.00	28.14	Pass	H	PK
3	4960.0000	34.50	4.82	-40.53	46.27	45.06	74.00	28.94	Pass	H	PK
4	6386.0757	35.88	5.35	-41.17	48.17	48.23	74.00	25.77	Pass	H	PK
5	7440.0000	36.54	5.85	-40.82	45.62	47.19	74.00	26.81	Pass	H	PK
6	9920.0000	37.77	6.79	-40.48	44.84	48.92	74.00	25.08	Pass	H	PK
7	1397.8398	28.30	2.90	-42.69	53.99	42.50	74.00	31.50	Pass	V	PK
8	3082.5555	33.23	4.76	-42.07	50.35	46.27	74.00	27.73	Pass	V	PK
9	4960.0000	34.50	4.82	-40.53	44.83	43.62	74.00	30.38	Pass	V	PK
10	5925.8451	35.68	5.19	-41.02	48.19	48.04	74.00	25.96	Pass	V	PK
11	7440.0000	36.54	5.85	-40.82	45.49	47.06	74.00	26.94	Pass	V	PK
12	9920.0000	37.77	6.79	-40.48	44.32	48.40	74.00	25.60	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 π/4DQPSK modulation type, he 3-DH5 of data type is the worse case of 8DPSKmodulation 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

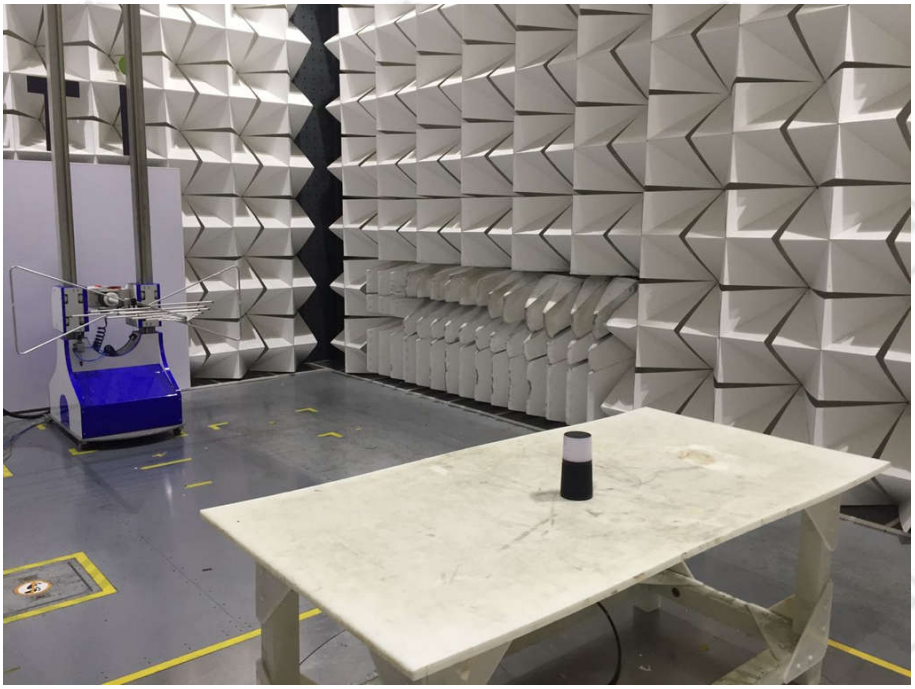
Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

4) Scan from 9kHz to 25GHz, the disturbance above 10GHz 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.: M5

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



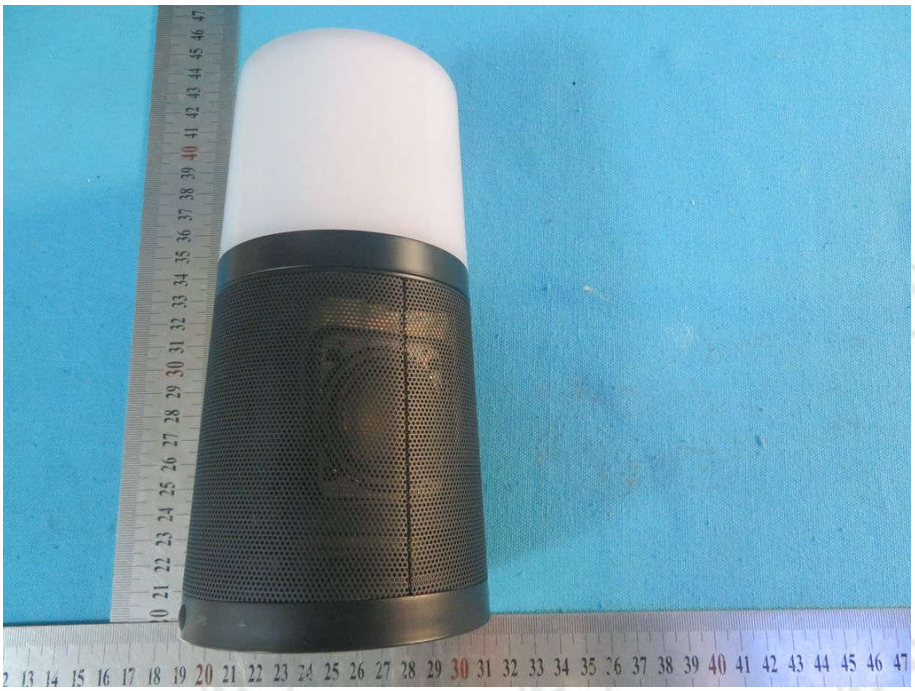
Radiated spurious emission Test Setup-2(30MHz-1GHz)

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

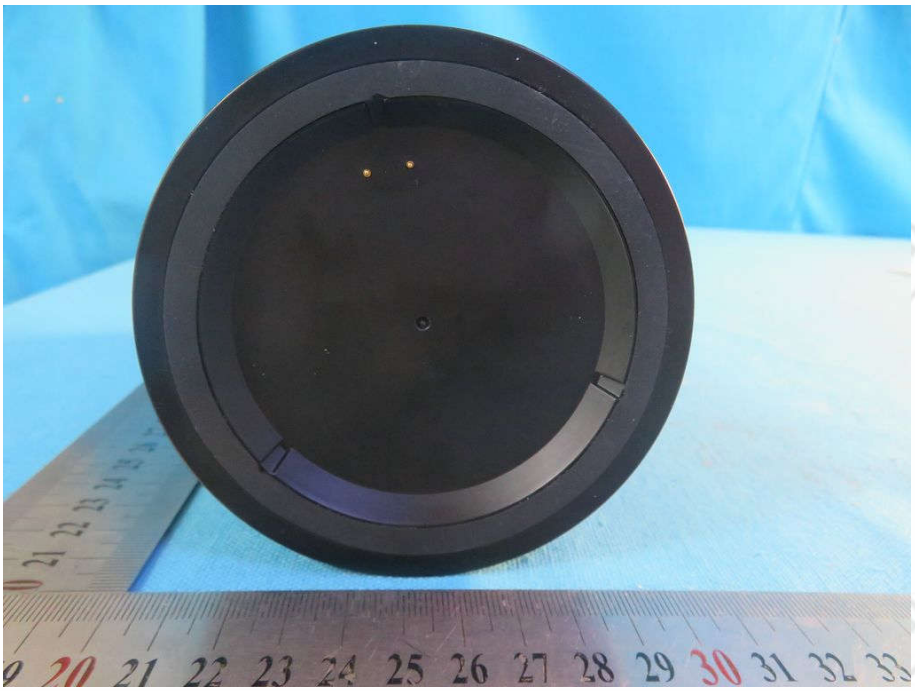
Conducted Emissions Test Setup

PHOTOGRAPHS OF EUT Constructional Details

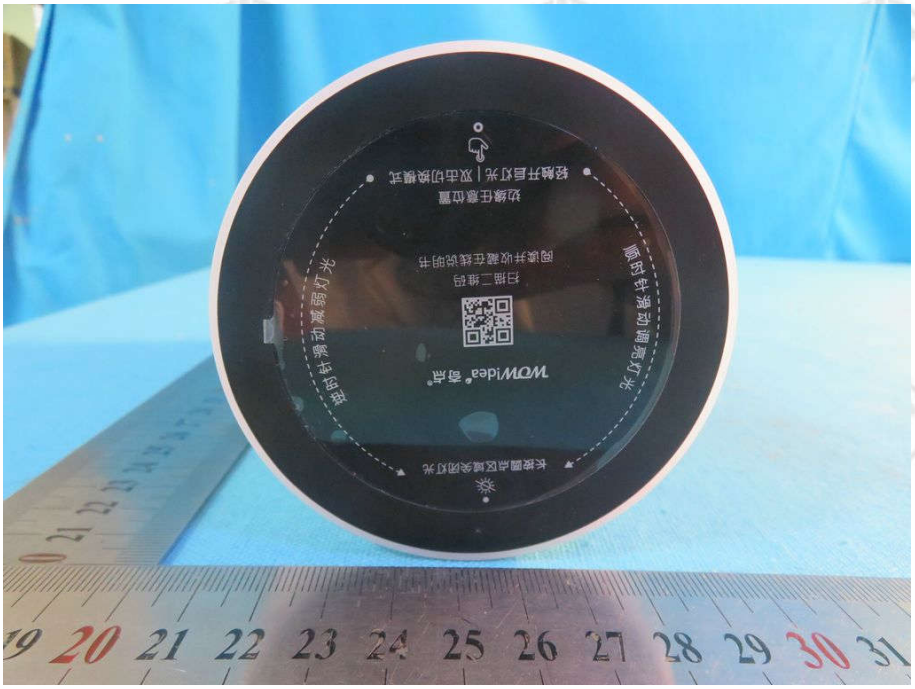
Test model No.: M5



View of Product-1

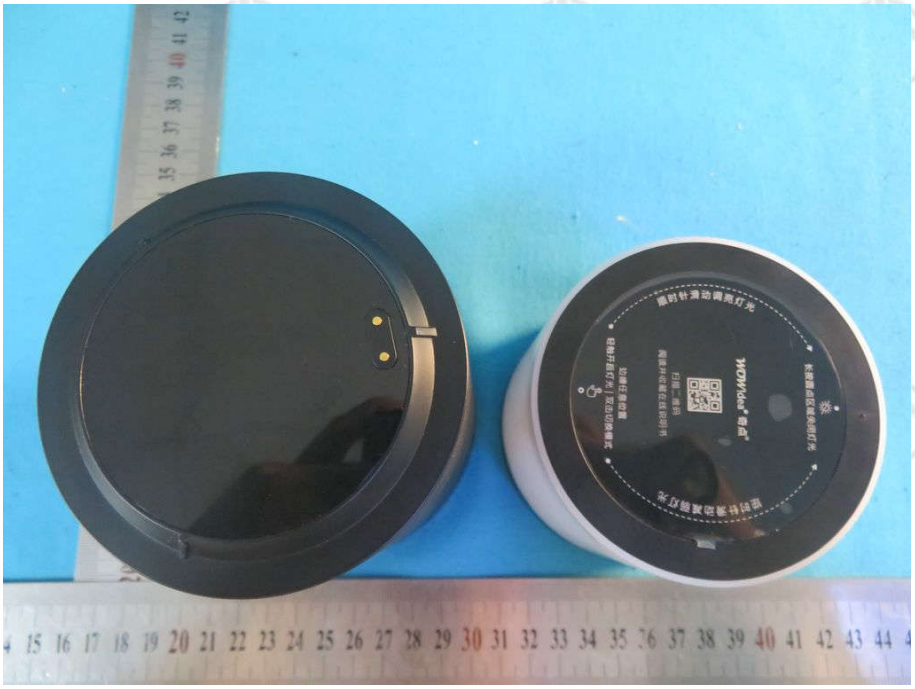


View of Product-2

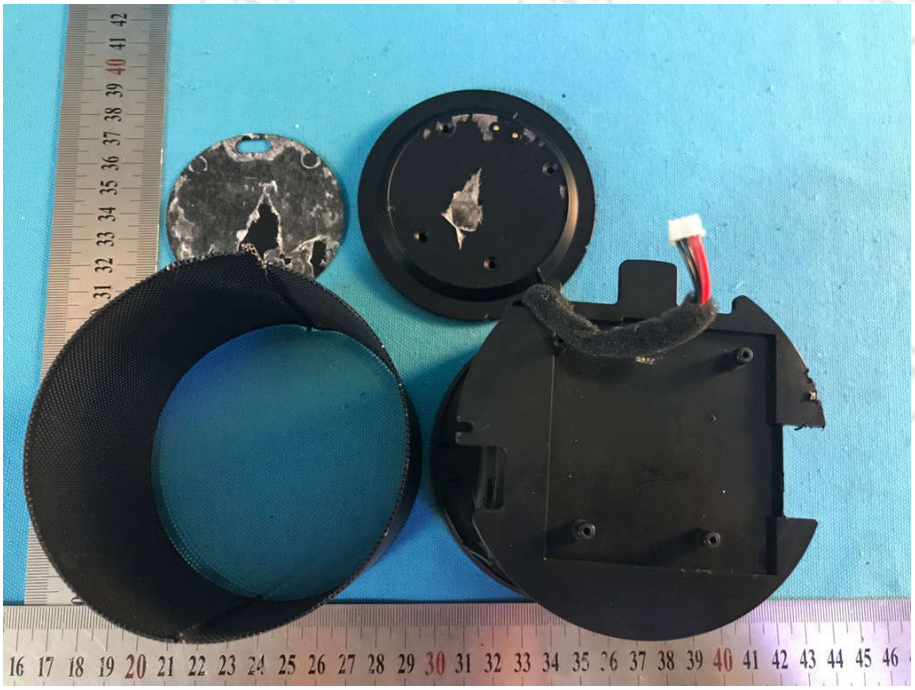


View of Product-3

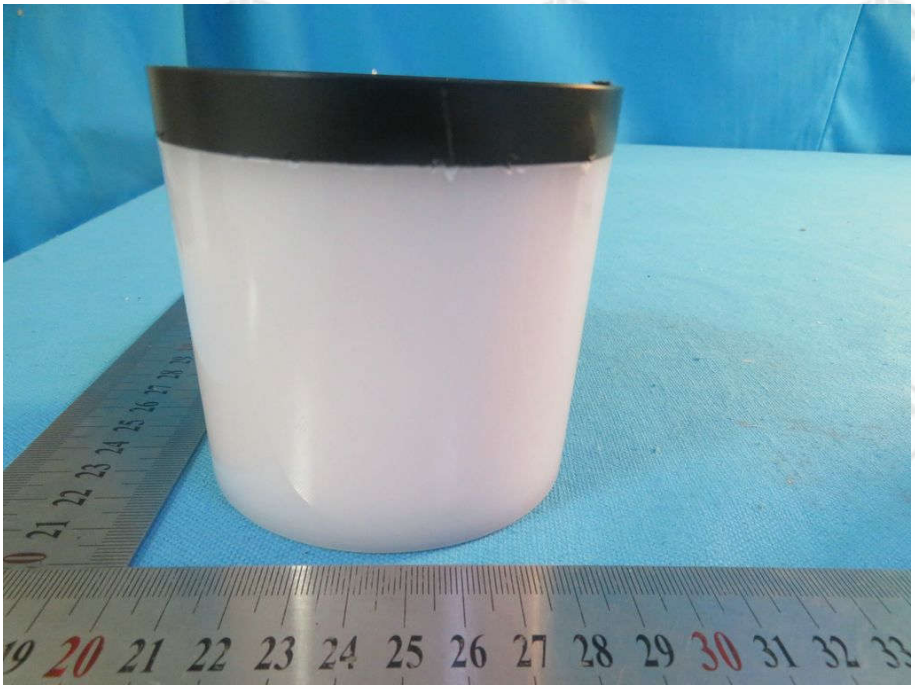
View of Product-4



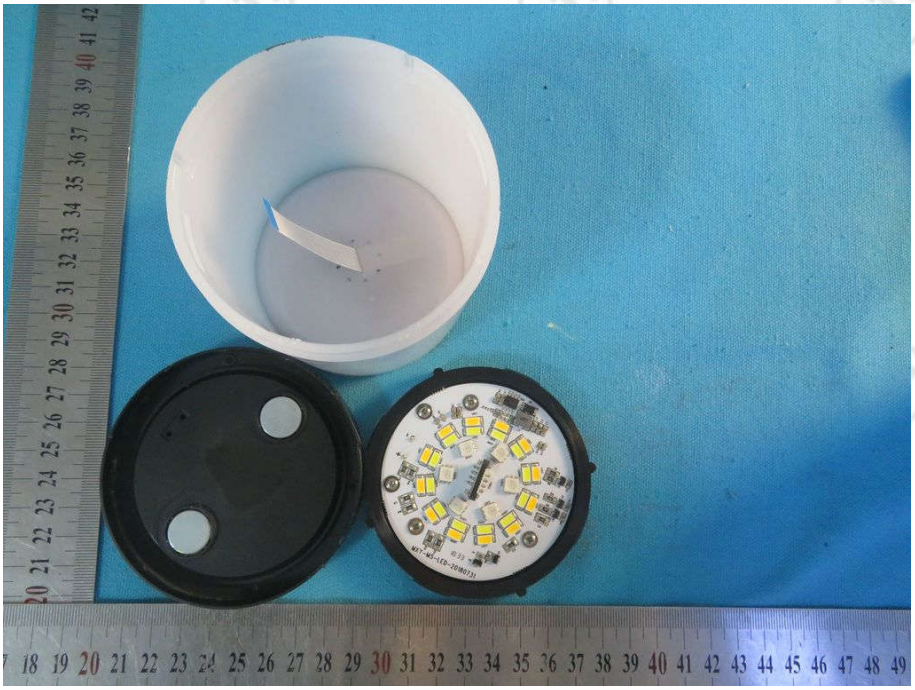
View of Product-5



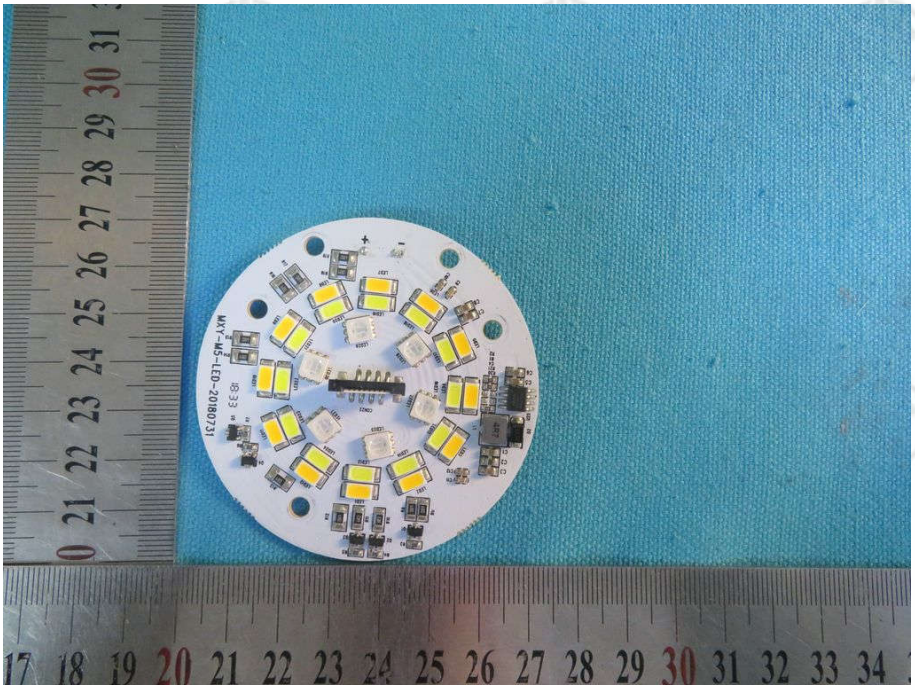
View of Product-6



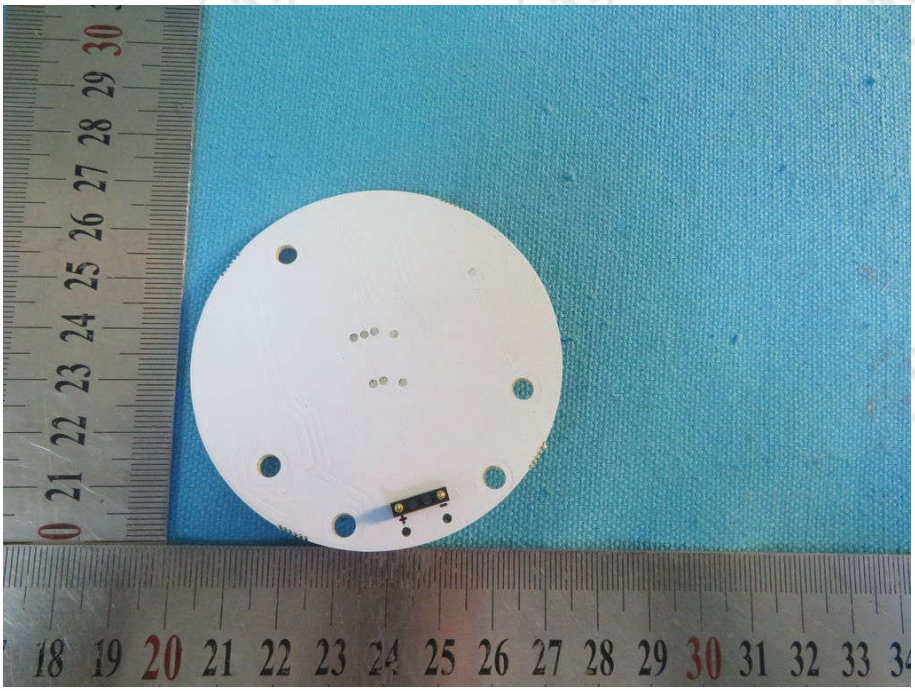
View of Product-7



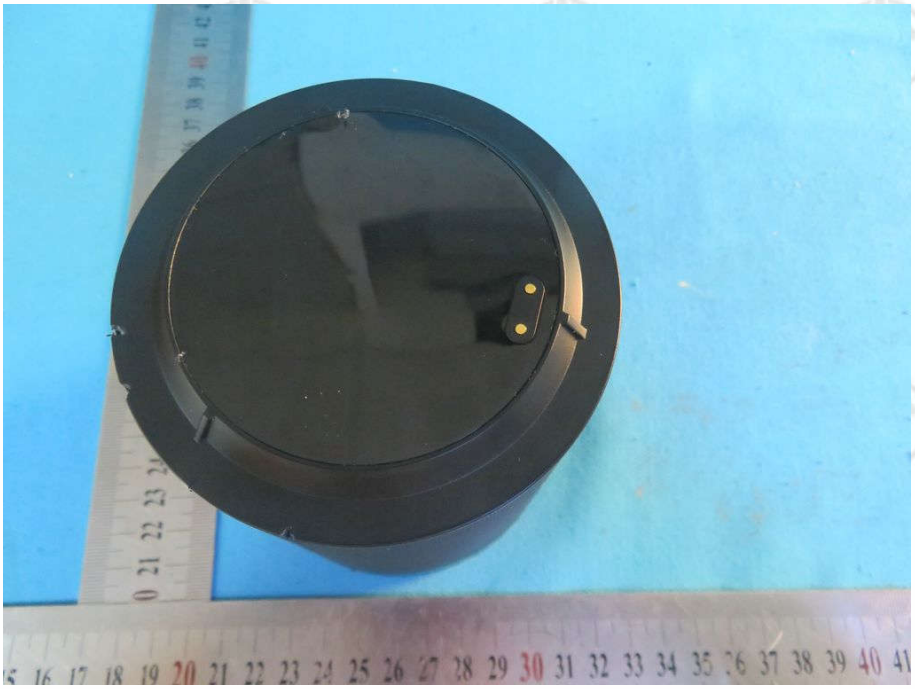
View of Product-8



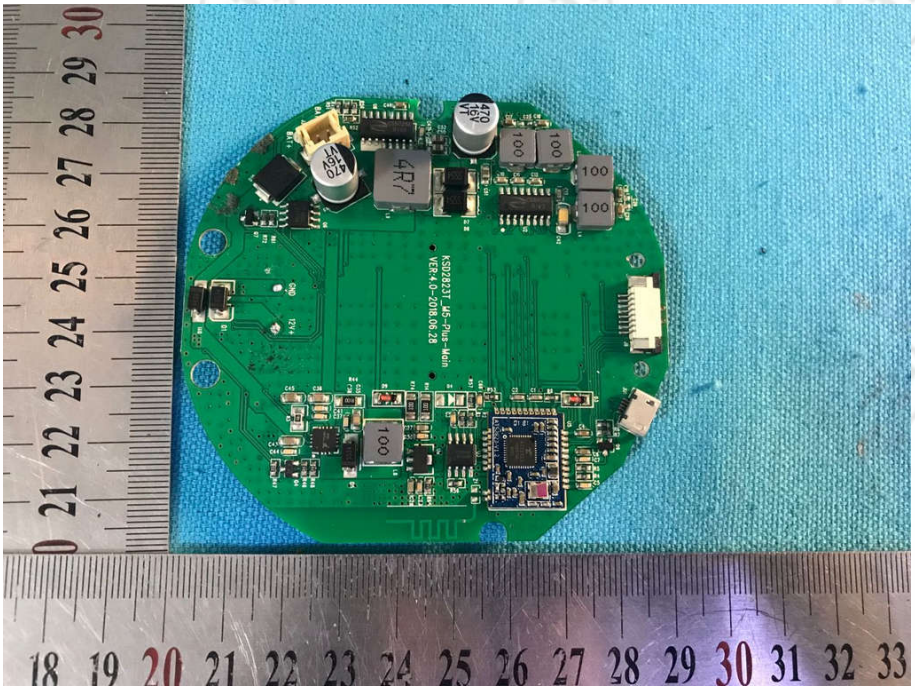
View of Product-9



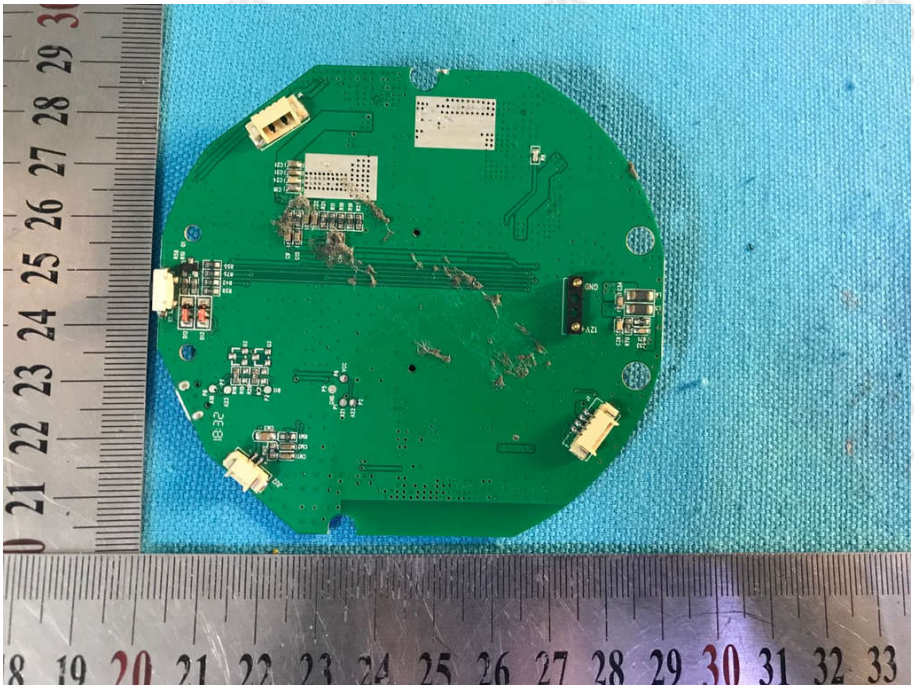
View of Product-10



View of Product-11



View of Product-12



View of Product-13

*** End of Report ***