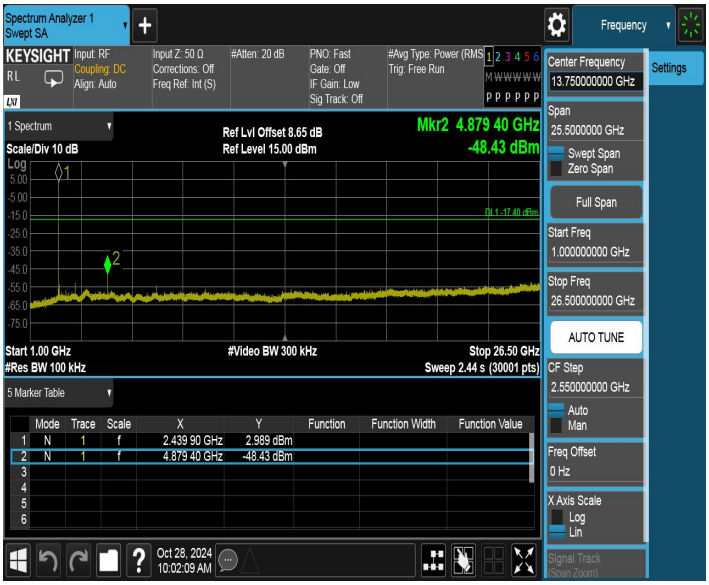
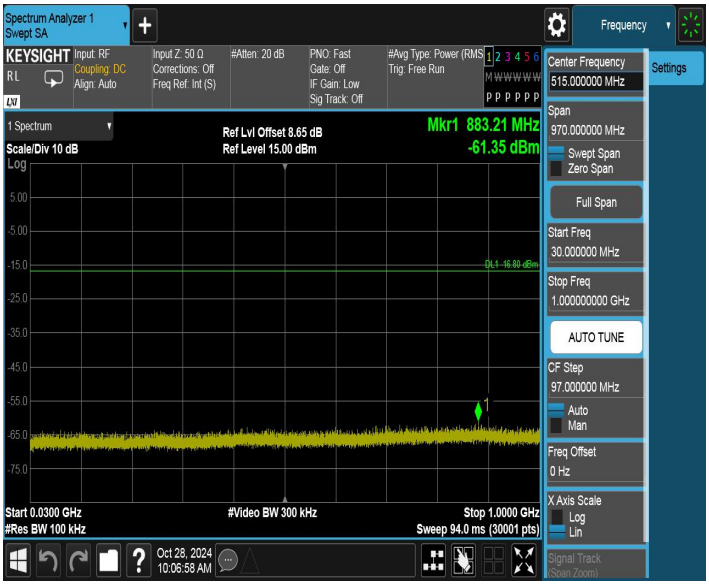
BLE_2M_2440_1000~26500


BLE_2M_2480_0~Reference


BLE_2M_2480_30~1000



BLE_2M_2480_1000~26500

7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.6.2. Test Procedure Used

ANSI C63.10-2013 – Section 6.6.4.3

7.6.3. Test Setting

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold

7. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

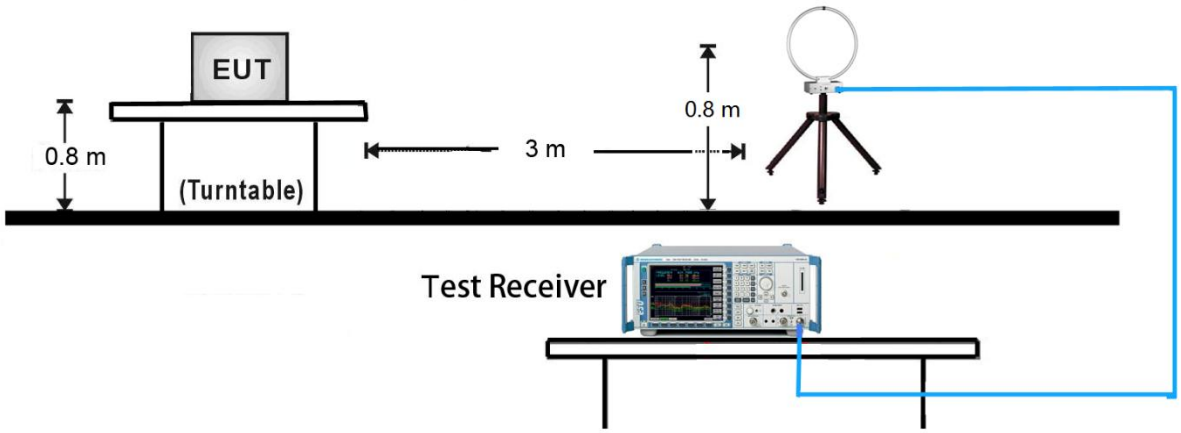
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

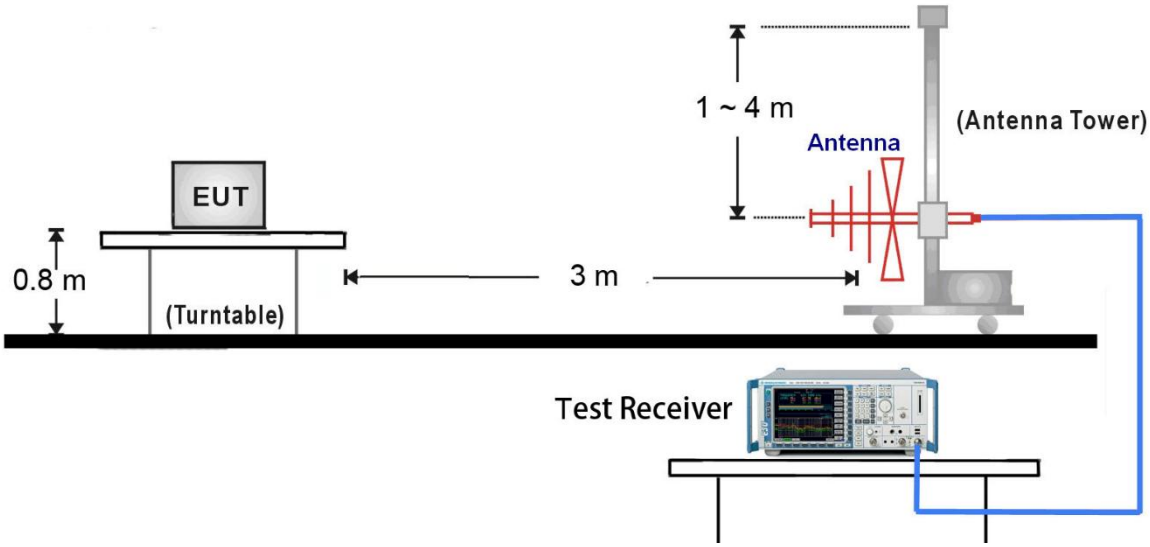
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Power Average (RMS)
5. Number of sweep point = 2001 (Number of sweep points must be ≥ 2 x span / RBW)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

7.6.4. Test Setup

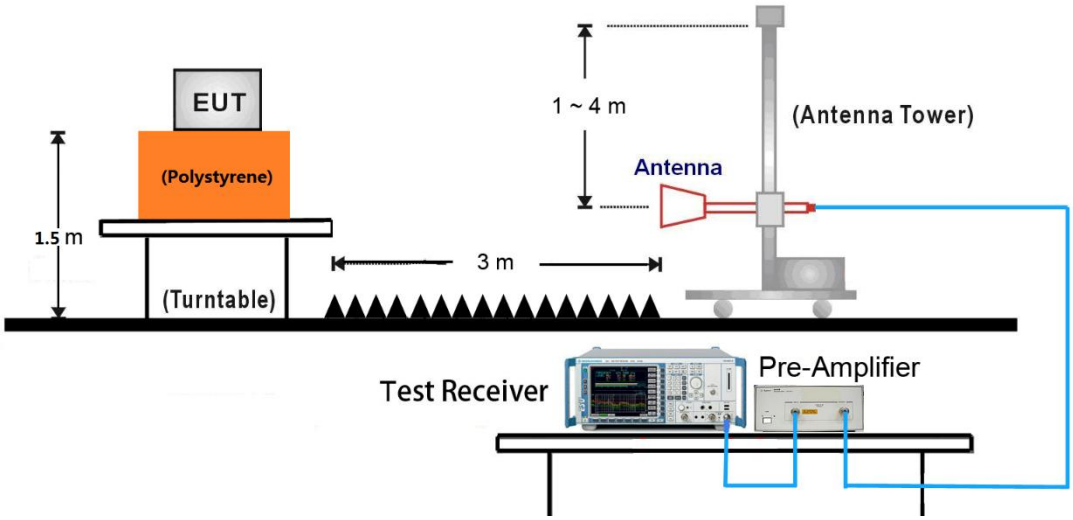
9kHz ~ 30MHz Test Setup:



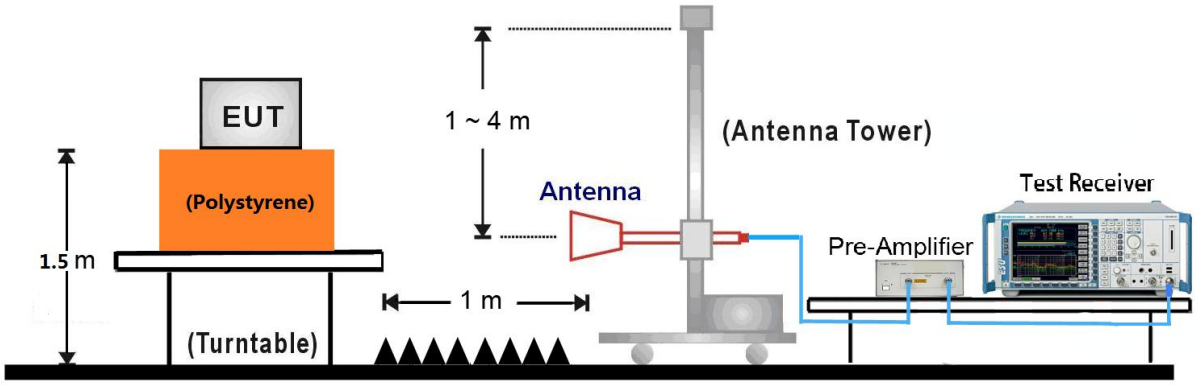
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:

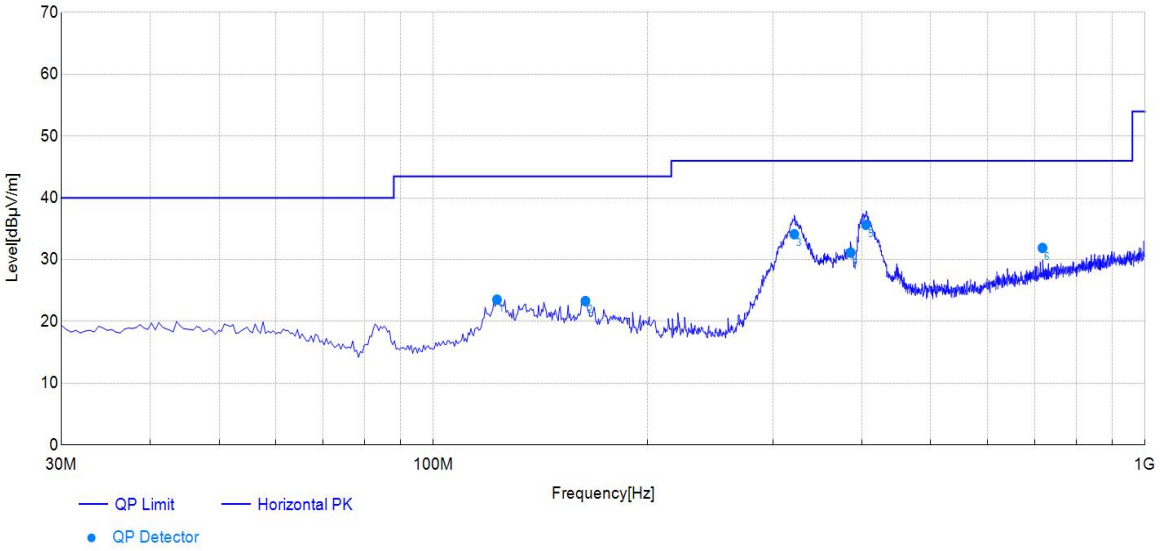


7.6.5. Test Result

The worst case of Radiated Emission below 1GHz:

30MHz – 1GHz Test Data

EUT:	IoT module	Polarity:	Horizontal
Model:	IOTD-2	SN:	N/A
Mode:	Transmit at BLE_1M Channel 00	Voltage:	DC 24V
Environment:	Temp: 23.5℃; Humi:46%	Engineer:	Stone Zhang



Final Data List										
NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBµV]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pol	Verdict
1	122.87	13.92	9.62	23.54	43.50	19.96	150	307	Horizontal	PASS
2	163.55	15.39	7.92	23.31	43.50	20.19	150	298	Horizontal	PASS
3	321.44	15.77	18.36	34.13	46.00	11.87	200	70	Horizontal	PASS
4	385.77	17.13	14.01	31.14	46.00	14.86	150	319	Horizontal	PASS
5	405.43	17.61	18.04	35.65	46.00	10.35	150	313	Horizontal	PASS
6	717.54	23.51	8.39	31.90	46.00	14.10	200	102	Horizontal	PASS

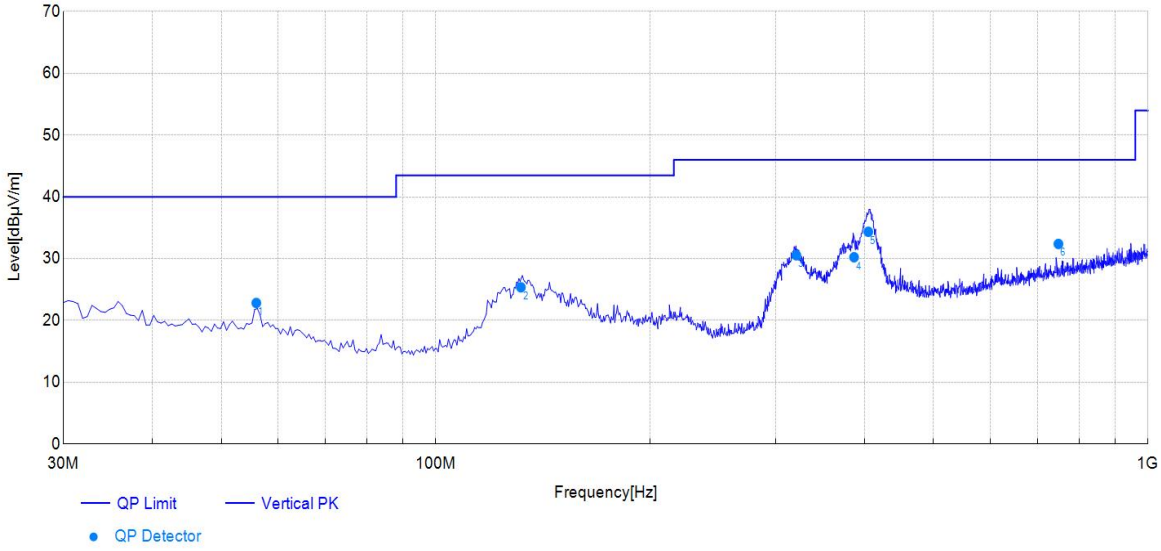
Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

(3) The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

EUT:	IoT module	Polarity:	Vertical
Model:	IOTD-2	SN:	N/A
Mode:	Transmit at BLE_1M Channel 00	Voltage:	DC 24V
Environment:	Temp: 23.5℃; Humi:46%	Engineer:	Stone Zhang



Final Data List										
NO.	Frequency [MHz]	Factor [dB/m]	QP Reading [dBµV]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pol	Verdict
1	55.99	14.10	8.74	22.84	40.00	17.16	150	222	Vertical	PASS
2	131.70	14.56	10.82	25.38	43.50	18.12	200	69	Vertical	PASS
3	320.82	15.75	14.80	30.55	46.00	15.45	200	277	Vertical	PASS
4	386.68	17.13	13.11	30.24	46.00	15.76	150	101	Vertical	PASS
5	404.82	17.61	16.75	34.36	46.00	11.64	150	163	Vertical	PASS
6	748.51	23.80	8.59	32.39	46.00	13.61	200	92	Vertical	PASS

Note:

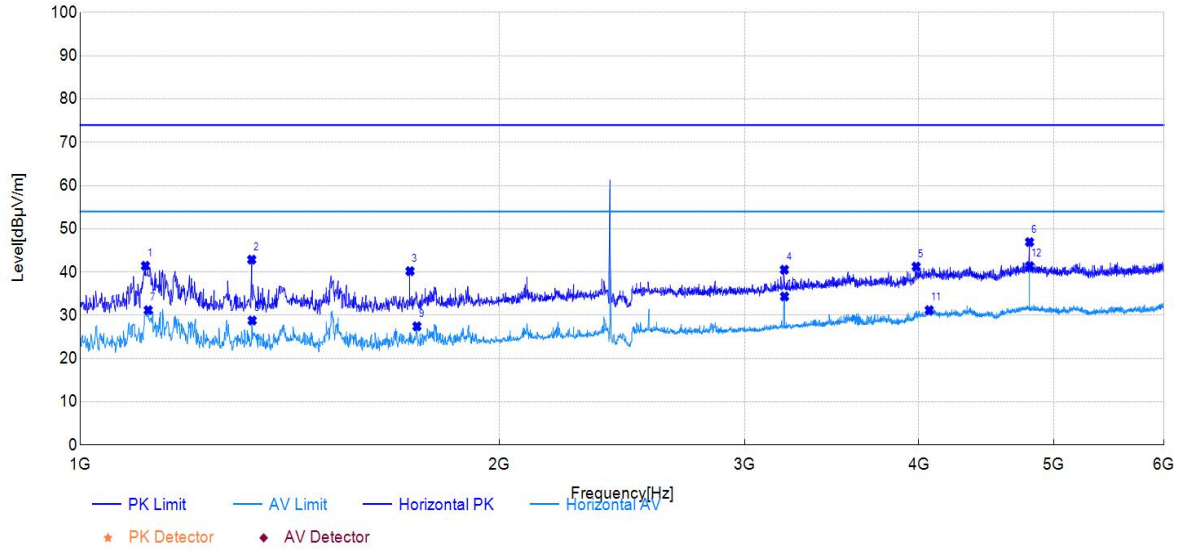
(1) Level=Reading + Factor

(2) Margin=Limit-Level

(3) The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

1GHz-6GHz

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	00	Test Engineer:	Stone Zhang



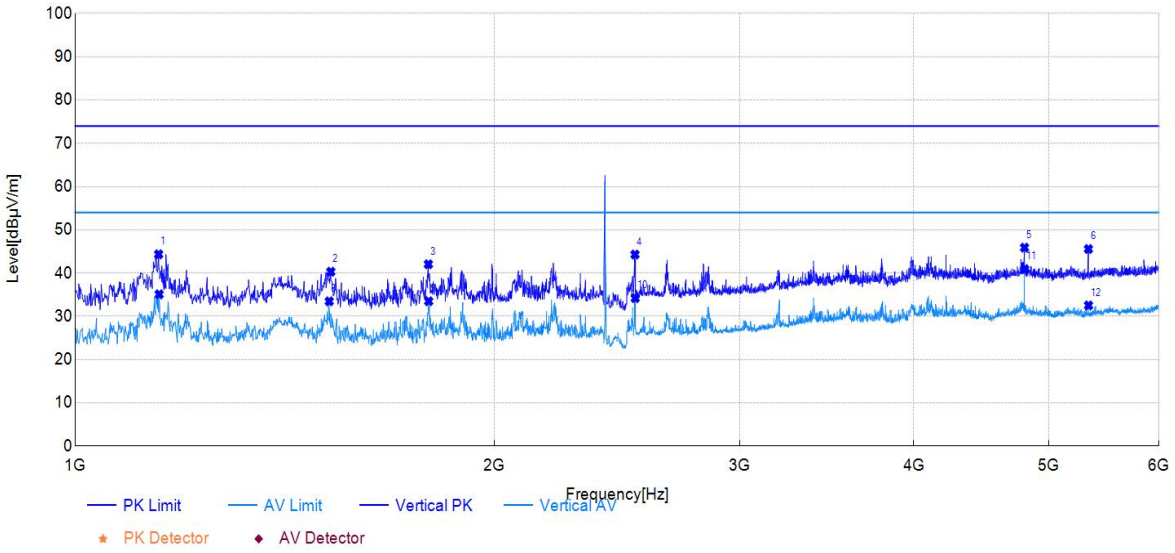
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1114.00	65.23	41.44	-23.79	74.00	32.56	150	130	PK	Horizontal	PASS
2	1328.00	65.56	42.87	-22.69	74.00	31.13	150	125	PK	Horizontal	PASS
3	1725.00	60.33	40.21	-20.12	74.00	33.79	150	9	PK	Horizontal	PASS
4	3203.00	54.12	40.54	-13.58	74.00	33.46	150	261	PK	Horizontal	PASS
5	3983.00	49.95	41.26	-8.69	74.00	32.74	150	329	PK	Horizontal	PASS
6	4804.00	53.71	46.93	-6.78	74.00	27.07	150	266	PK	Horizontal	PASS
7	1119.00	54.94	31.18	-23.76	54.00	22.82	150	135	AV	Horizontal	PASS
8	1329.00	51.48	28.79	-22.69	54.00	25.21	150	125	AV	Horizontal	PASS
9	1745.00	47.40	27.45	-19.95	54.00	26.55	150	9	AV	Horizontal	PASS
10	3204.00	47.93	34.35	-13.58	54.00	19.65	150	261	AV	Horizontal	PASS
11	4070.00	39.43	31.19	-8.24	54.00	22.81	150	125	AV	Horizontal	PASS
12	4805.00	48.16	41.38	-6.78	54.00	12.62	150	266	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	00	Test Engineer:	Stone Zhang



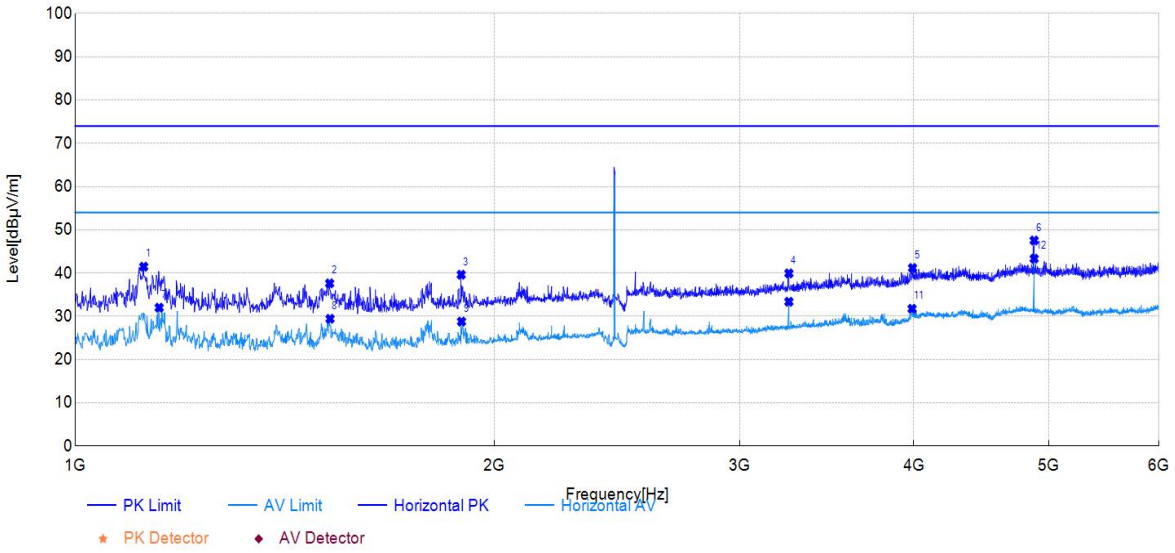
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1148.00	66.98	44.34	-22.64	74.00	29.66	150	116	PK	Vertical	PASS
2	1526.00	61.10	40.31	-20.79	74.00	33.69	150	94	PK	Vertical	PASS
3	1793.00	61.02	42.04	-18.98	74.00	31.96	150	125	PK	Vertical	PASS
4	2523.00	60.30	44.28	-16.02	74.00	29.72	150	94	PK	Vertical	PASS
5	4804.00	53.20	45.88	-7.32	74.00	28.12	150	323	PK	Vertical	PASS
6	5339.00	51.90	45.56	-6.34	74.00	28.44	150	129	PK	Vertical	PASS
7	1149.00	57.71	35.08	-22.63	54.00	18.92	150	111	AV	Vertical	PASS
8	1522.00	54.29	33.46	-20.83	54.00	20.54	150	106	AV	Vertical	PASS
9	1794.00	52.45	33.48	-18.97	54.00	20.52	150	125	AV	Vertical	PASS
10	2524.00	50.20	34.19	-16.01	54.00	19.81	150	94	AV	Vertical	PASS
11	4805.00	48.19	40.87	-7.32	54.00	13.13	150	313	AV	Vertical	PASS
12	5340.00	38.86	32.52	-6.34	54.00	21.48	150	125	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	19	Test Engineer:	Stone Zhang



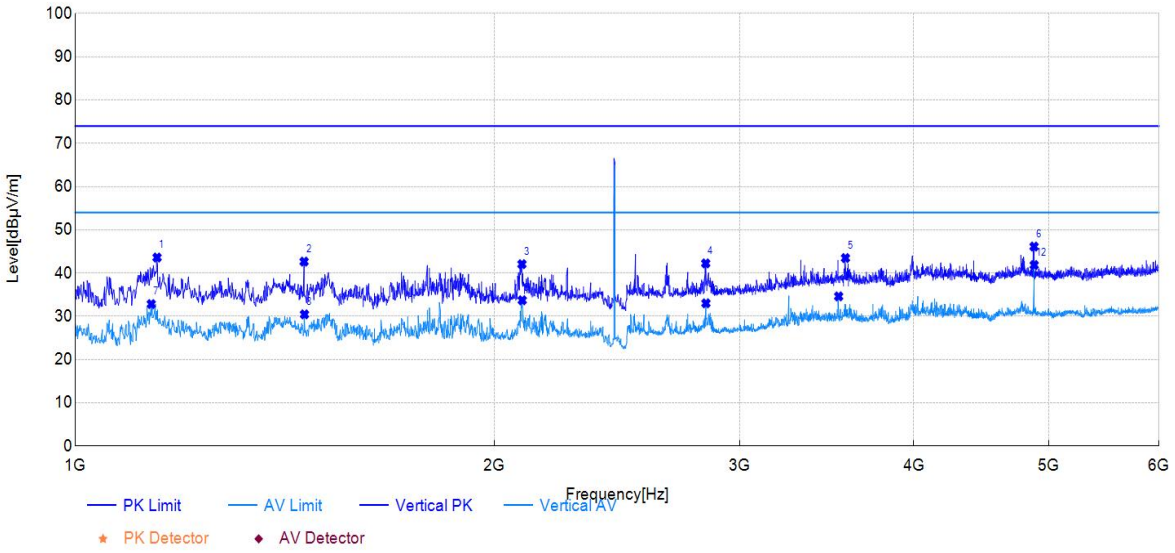
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1120.00	65.23	41.47	-23.76	74.00	32.53	150	150	PK	Horizontal	PASS
2	1523.00	59.22	37.62	-21.60	74.00	36.38	150	43	PK	Horizontal	PASS
3	1893.00	58.69	39.62	-19.07	74.00	34.38	150	12	PK	Horizontal	PASS
4	3254.00	53.27	39.93	-13.34	74.00	34.07	150	242	PK	Horizontal	PASS
5	3992.00	49.81	41.17	-8.64	74.00	32.83	150	8	PK	Horizontal	PASS
6	4881.00	54.10	47.54	-6.56	74.00	26.46	150	266	PK	Horizontal	PASS
7	1149.00	55.64	32.00	-23.64	54.00	22.00	150	137	AV	Horizontal	PASS
8	1524.00	51.02	29.42	-21.60	54.00	24.58	150	43	AV	Horizontal	PASS
9	1894.00	47.86	28.79	-19.07	54.00	25.21	150	12	AV	Horizontal	PASS
10	3254.00	46.71	33.37	-13.34	54.00	20.63	150	261	AV	Horizontal	PASS
11	3989.00	40.40	31.74	-8.66	54.00	22.26	150	51	AV	Horizontal	PASS
12	4881.00	49.88	43.32	-6.56	54.00	10.68	150	256	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	19	Test Engineer:	Stone Zhang



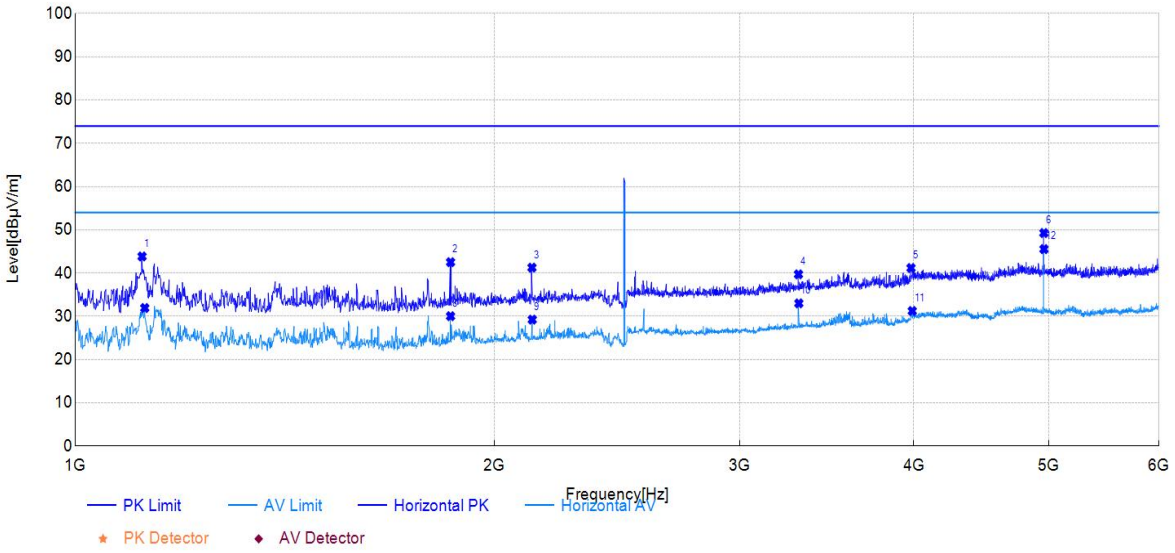
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1145.00	66.24	43.59	-22.65	74.00	30.41	150	123	PK	Vertical	PASS
2	1460.00	63.75	42.65	-21.10	74.00	31.35	150	62	PK	Vertical	PASS
3	2093.00	59.48	42.06	-17.42	74.00	31.94	150	75	PK	Vertical	PASS
4	2836.00	57.22	42.24	-14.98	74.00	31.76	150	97	PK	Vertical	PASS
5	3573.00	54.48	43.47	-11.01	74.00	30.53	150	92	PK	Vertical	PASS
6	4880.00	53.30	46.13	-7.17	74.00	27.87	150	330	PK	Vertical	PASS
7	1134.00	55.51	32.83	-22.68	54.00	21.17	150	110	AV	Vertical	PASS
8	1461.00	51.55	30.45	-21.10	54.00	23.55	150	62	AV	Vertical	PASS
9	2094.00	51.13	33.71	-17.42	54.00	20.29	150	75	AV	Vertical	PASS
10	2837.00	47.99	33.01	-14.98	54.00	20.99	150	97	AV	Vertical	PASS
11	3533.00	45.92	34.61	-11.31	54.00	19.39	150	92	AV	Vertical	PASS
12	4881.00	49.01	41.85	-7.16	54.00	12.15	150	316	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	39	Test Engineer:	Stone Zhang



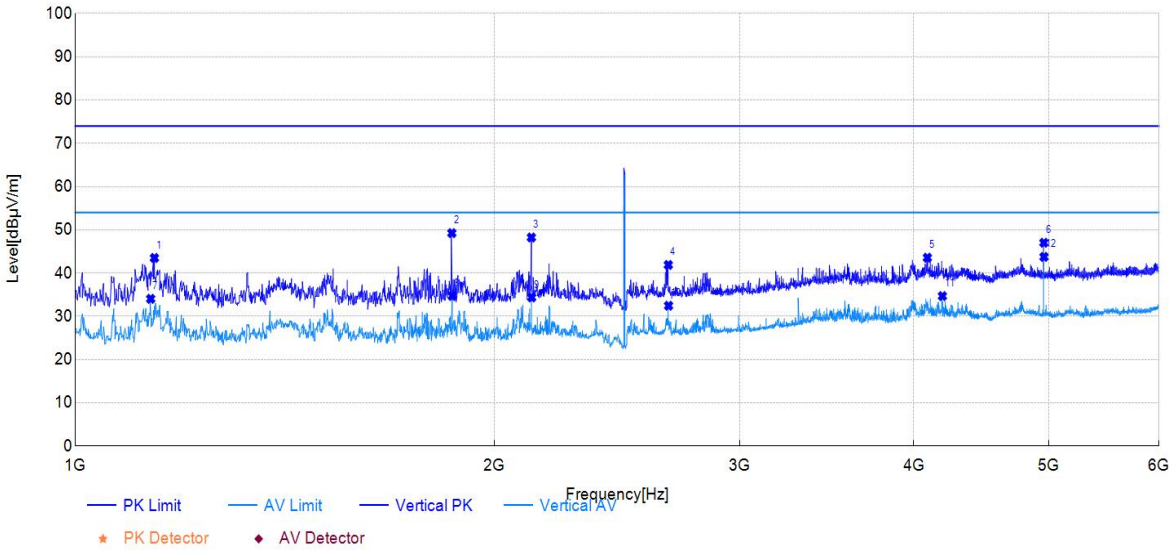
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1117.00	67.61	43.84	-23.77	74.00	30.16	150	140	PK	Horizontal	PASS
2	1860.00	61.74	42.52	-19.22	74.00	31.48	150	9	PK	Horizontal	PASS
3	2128.00	58.78	41.26	-17.52	74.00	32.74	150	72	PK	Horizontal	PASS
4	3306.00	52.81	39.71	-13.10	74.00	34.29	150	9	PK	Horizontal	PASS
5	3982.00	49.87	41.17	-8.70	74.00	32.83	150	90	PK	Horizontal	PASS
6	4960.00	55.47	49.26	-6.21	74.00	24.74	150	253	PK	Horizontal	PASS
7	1122.00	55.68	31.92	-23.76	54.00	22.08	150	149	AV	Horizontal	PASS
8	1860.00	49.25	30.03	-19.22	54.00	23.97	150	9	AV	Horizontal	PASS
9	2129.00	46.75	29.23	-17.52	54.00	24.77	150	72	AV	Horizontal	PASS
10	3308.00	46.09	33.00	-13.09	54.00	21.00	150	238	AV	Horizontal	PASS
11	3990.00	39.88	31.23	-8.65	54.00	22.77	150	6	AV	Horizontal	PASS
12	4961.00	51.74	45.53	-6.21	54.00	8.47	150	253	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	39	Test Engineer:	Stone Zhang



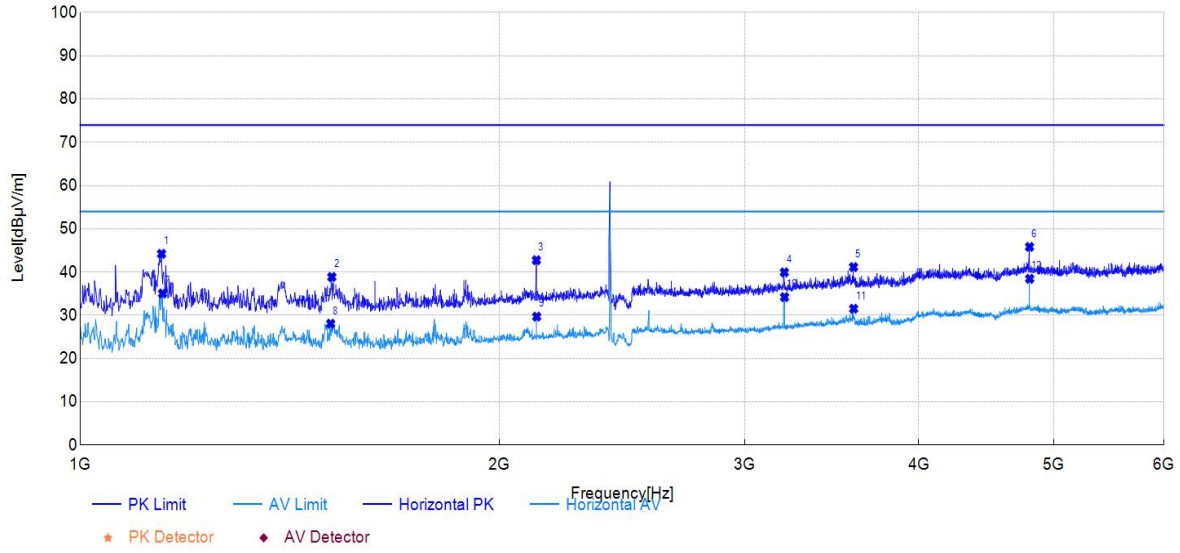
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1140.00	66.16	43.49	-22.67	74.00	30.51	150	104	PK	Vertical	PASS
2	1864.00	67.93	49.24	-18.69	74.00	24.76	150	49	PK	Vertical	PASS
3	2126.00	65.54	48.23	-17.31	74.00	25.77	150	68	PK	Vertical	PASS
4	2666.00	57.31	41.88	-15.43	74.00	32.12	150	104	PK	Vertical	PASS
5	4091.00	51.50	43.55	-7.95	74.00	30.45	150	72	PK	Vertical	PASS
6	4960.00	53.89	47.01	-6.88	74.00	26.99	150	325	PK	Vertical	PASS
7	1133.00	56.73	34.04	-22.69	54.00	19.96	150	104	AV	Vertical	PASS
8	1865.00	53.38	34.70	-18.68	54.00	19.30	150	49	AV	Vertical	PASS
9	2127.00	51.67	34.36	-17.31	54.00	19.64	150	68	AV	Vertical	PASS
10	2667.00	47.87	32.44	-15.43	54.00	21.56	150	104	AV	Vertical	PASS
11	4194.00	42.60	34.67	-7.93	54.00	19.33	150	54	AV	Vertical	PASS
12	4961.00	50.62	43.74	-6.88	54.00	10.26	150	315	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	00	Test Engineer:	Stone Zhang



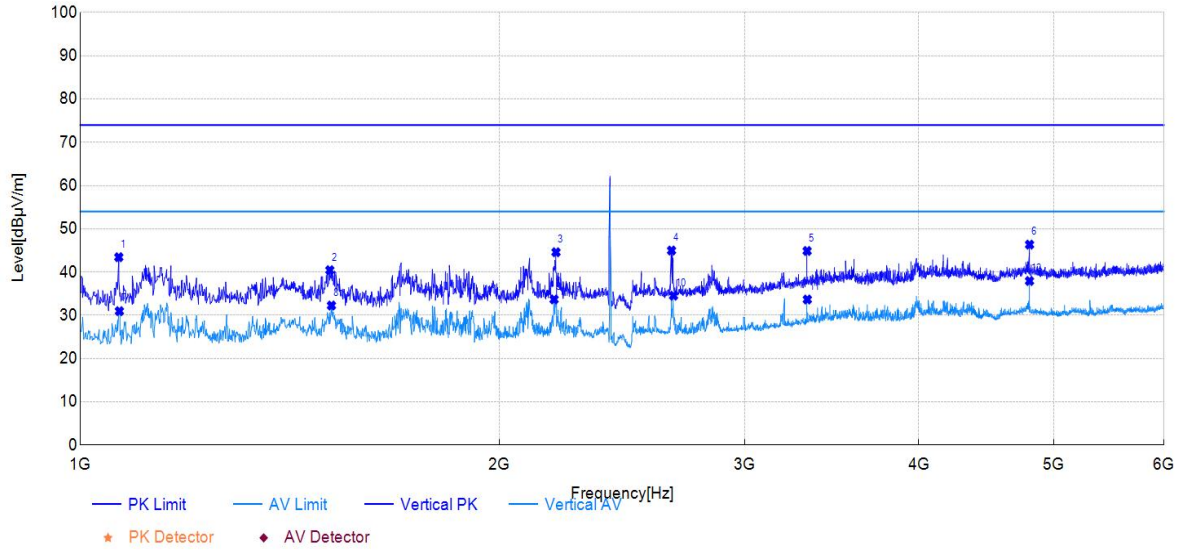
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1144.00	67.89	44.22	-23.67	74.00	29.78	150	130	PK	Horizontal	PASS
2	1516.00	60.50	38.86	-21.64	74.00	35.14	150	27	PK	Horizontal	PASS
3	2126.00	60.29	42.75	-17.54	74.00	31.25	150	130	PK	Horizontal	PASS
4	3203.00	53.52	39.94	-13.58	74.00	34.06	150	243	PK	Horizontal	PASS
5	3591.00	52.74	41.16	-11.58	74.00	32.84	150	0	PK	Horizontal	PASS
6	4804.00	52.60	45.82	-6.78	74.00	28.18	150	261	PK	Horizontal	PASS
7	1146.00	58.70	35.04	-23.66	54.00	18.96	150	135	AV	Horizontal	PASS
8	1513.00	49.72	28.06	-21.66	54.00	25.94	150	6	AV	Horizontal	PASS
9	2127.00	47.24	29.70	-17.54	54.00	24.30	150	130	AV	Horizontal	PASS
10	3204.00	47.78	34.20	-13.58	54.00	19.80	150	261	AV	Horizontal	PASS
11	3592.00	43.08	31.51	-11.57	54.00	22.49	150	0	AV	Horizontal	PASS
12	4805.00	45.23	38.45	-6.78	54.00	15.55	150	261	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	00	Test Engineer:	Stone Zhang



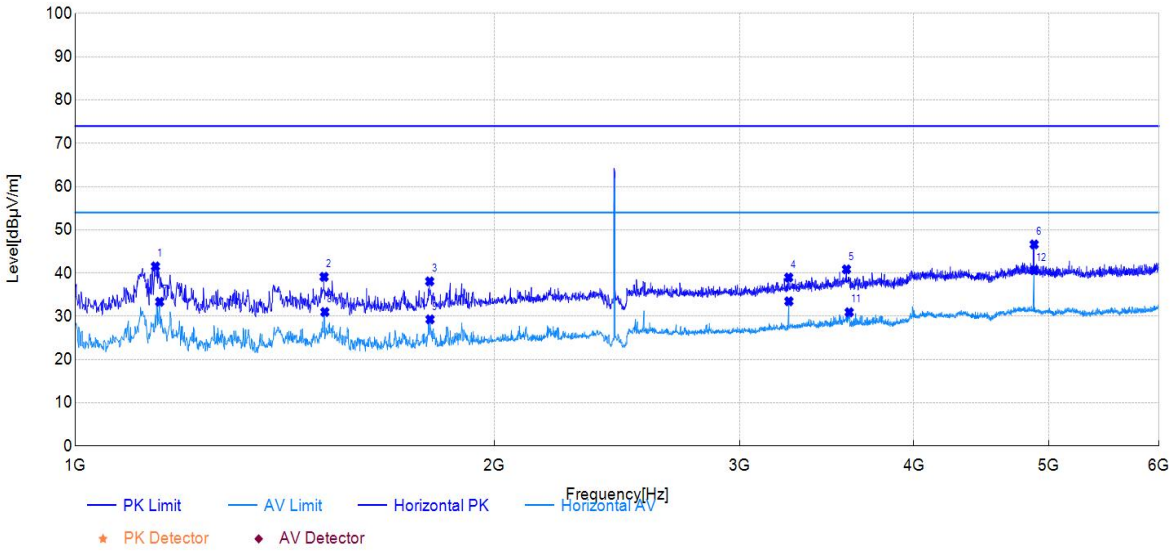
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1066.00	66.37	43.44	-22.93	74.00	30.56	150	103	PK	Vertical	PASS
2	1511.00	61.32	40.44	-20.88	74.00	33.56	150	26	PK	Vertical	PASS
3	2196.00	61.69	44.59	-17.10	74.00	29.41	150	48	PK	Vertical	PASS
4	2658.00	60.45	44.98	-15.47	74.00	29.02	150	103	PK	Vertical	PASS
5	3326.00	57.32	44.88	-12.44	74.00	29.12	150	103	PK	Vertical	PASS
6	4804.00	53.67	46.35	-7.32	74.00	27.65	150	318	PK	Vertical	PASS
7	1067.00	53.88	30.96	-22.92	54.00	23.04	150	103	AV	Vertical	PASS
8	1515.00	53.12	32.26	-20.86	54.00	21.74	150	26	AV	Vertical	PASS
9	2189.00	50.80	33.68	-17.12	54.00	20.32	150	48	AV	Vertical	PASS
10	2667.00	49.97	34.54	-15.43	54.00	19.46	150	103	AV	Vertical	PASS
11	3327.00	46.09	33.66	-12.43	54.00	20.34	150	103	AV	Vertical	PASS
12	4804.00	45.26	37.94	-7.32	54.00	16.06	150	309	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	19	Test Engineer:	Stone Zhang



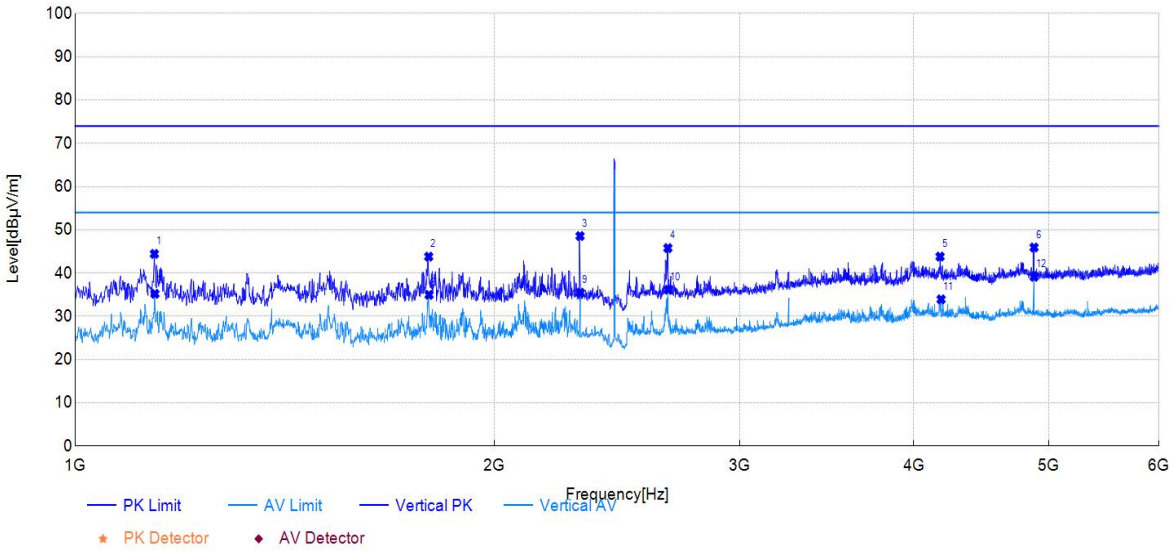
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1142.00	65.22	41.54	-23.68	74.00	32.46	150	146	PK	Horizontal	PASS
2	1509.00	60.81	39.12	-21.69	74.00	34.88	150	35	PK	Horizontal	PASS
3	1797.00	57.59	38.08	-19.51	74.00	35.92	150	8	PK	Horizontal	PASS
4	3253.00	52.31	38.97	-13.34	74.00	35.03	150	339	PK	Horizontal	PASS
5	3579.00	52.55	40.86	-11.69	74.00	33.14	150	1	PK	Horizontal	PASS
6	4881.00	53.19	46.63	-6.56	74.00	27.37	150	256	PK	Horizontal	PASS
7	1150.00	57.00	33.35	-23.65	54.00	20.65	150	146	AV	Horizontal	PASS
8	1511.00	52.66	30.99	-21.67	54.00	23.01	150	35	AV	Horizontal	PASS
9	1798.00	48.79	29.29	-19.50	54.00	24.71	150	8	AV	Horizontal	PASS
10	3254.00	46.81	33.47	-13.34	54.00	20.53	150	261	AV	Horizontal	PASS
11	3595.00	42.49	30.94	-11.55	54.00	23.06	150	0	AV	Horizontal	PASS
12	4880.00	47.20	40.64	-6.56	54.00	13.36	150	265	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	19	Test Engineer:	Stone Zhang



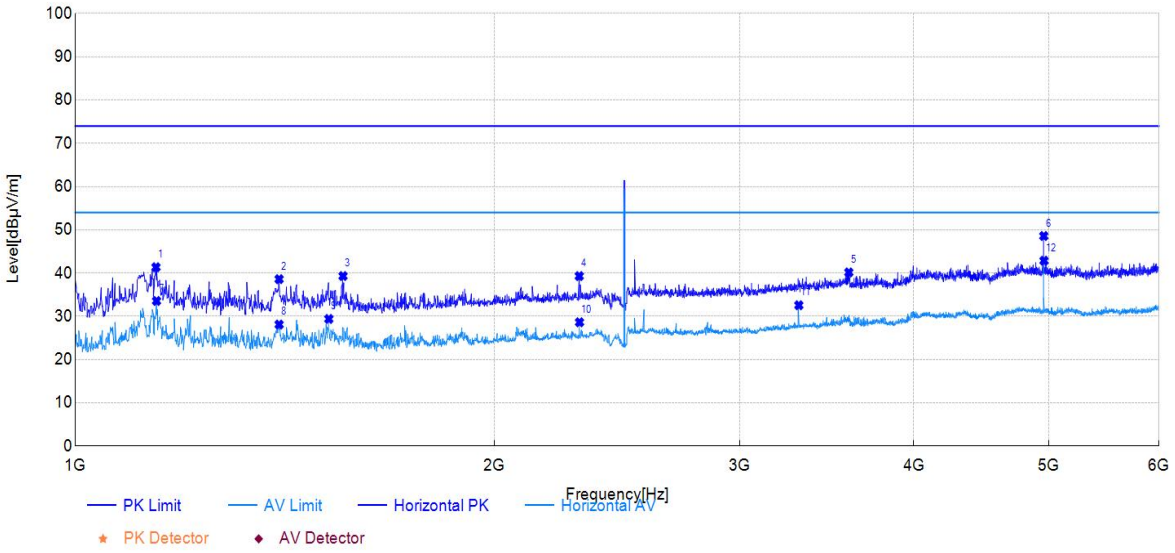
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1140.00	67.10	44.43	-22.67	74.00	29.57	150	118	PK	Vertical	PASS
2	1794.00	62.77	43.80	-18.97	74.00	30.20	150	91	PK	Vertical	PASS
3	2304.00	65.41	48.56	-16.85	74.00	25.44	150	123	PK	Vertical	PASS
4	2664.00	61.23	45.78	-15.45	74.00	28.22	150	104	PK	Vertical	PASS
5	4178.00	51.74	43.81	-7.93	74.00	30.19	150	128	PK	Vertical	PASS
6	4880.00	53.09	45.92	-7.17	74.00	28.08	150	321	PK	Vertical	PASS
7	1141.00	57.87	35.20	-22.67	54.00	18.80	150	118	AV	Vertical	PASS
8	1795.00	53.92	34.96	-18.96	54.00	19.04	150	91	AV	Vertical	PASS
9	2305.00	52.30	35.46	-16.84	54.00	18.54	150	123	AV	Vertical	PASS
10	2666.00	51.57	36.14	-15.43	54.00	17.86	150	104	AV	Vertical	PASS
11	4185.00	41.85	33.92	-7.93	54.00	20.08	150	54	AV	Vertical	PASS
12	4881.00	46.29	39.13	-7.16	54.00	14.87	150	316	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	39	Test Engineer:	Stone Zhang



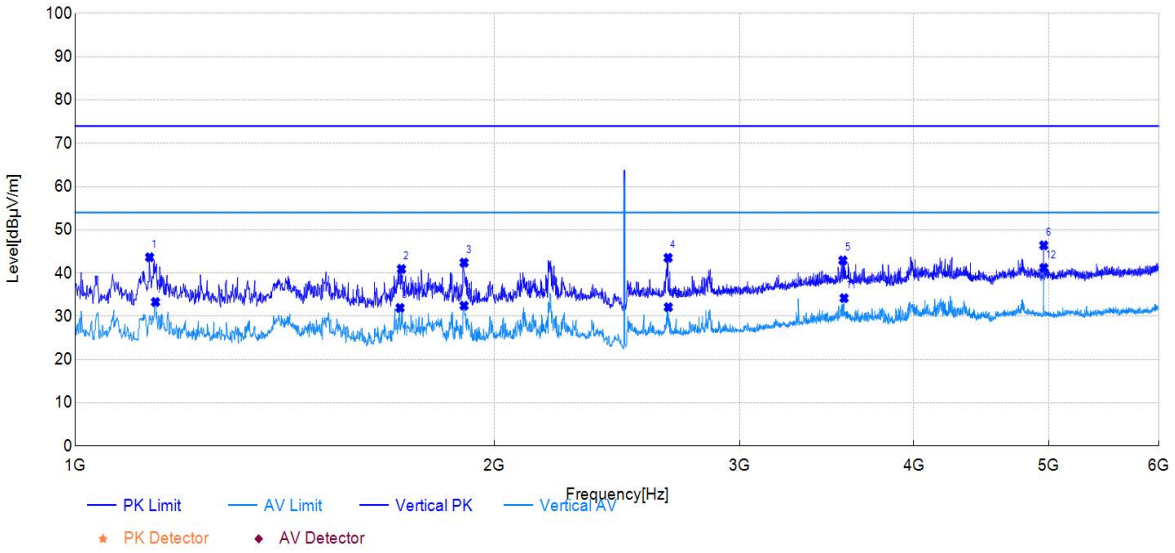
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1143.00	65.02	41.35	-23.67	74.00	32.65	150	127	PK	Horizontal	PASS
2	1401.00	60.78	38.59	-22.19	74.00	35.41	150	36	PK	Horizontal	PASS
3	1557.00	60.69	39.31	-21.38	74.00	34.69	150	161	PK	Horizontal	PASS
4	2301.00	56.14	39.30	-16.84	74.00	34.70	150	130	PK	Horizontal	PASS
5	3593.00	51.72	40.15	-11.57	74.00	33.85	150	46	PK	Horizontal	PASS
6	4959.00	54.79	48.57	-6.22	74.00	25.43	150	260	PK	Horizontal	PASS
7	1144.00	57.22	33.55	-23.67	54.00	20.45	150	127	AV	Horizontal	PASS
8	1401.00	50.29	28.10	-22.19	54.00	25.90	150	140	AV	Horizontal	PASS
9	1521.00	51.00	29.39	-21.61	54.00	24.61	150	23	AV	Horizontal	PASS
10	2302.00	45.45	28.62	-16.83	54.00	25.38	150	135	AV	Horizontal	PASS
11	3308.00	45.65	32.56	-13.09	54.00	21.44	150	255	AV	Horizontal	PASS
12	4961.00	49.06	42.85	-6.21	54.00	11.15	150	250	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	39	Test Engineer:	Stone Zhang



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1131.00	66.35	43.65	-22.70	74.00	30.35	150	107	PK	Vertical	PASS
2	1715.00	60.50	40.93	-19.57	74.00	33.07	150	66	PK	Vertical	PASS
3	1902.00	60.95	42.41	-18.54	74.00	31.59	150	84	PK	Vertical	PASS
4	2665.00	58.98	43.53	-15.45	74.00	30.47	150	360	PK	Vertical	PASS
5	3558.00	54.04	42.92	-11.12	74.00	31.08	150	84	PK	Vertical	PASS
6	4959.00	53.29	46.41	-6.88	74.00	27.59	150	313	PK	Vertical	PASS
7	1142.00	55.96	33.30	-22.66	54.00	20.70	150	107	AV	Vertical	PASS
8	1711.00	51.54	31.94	-19.60	54.00	22.06	150	66	AV	Vertical	PASS
9	1902.00	50.99	32.45	-18.54	54.00	21.55	150	58	AV	Vertical	PASS
10	2666.00	47.54	32.11	-15.43	54.00	21.89	150	71	AV	Vertical	PASS
11	3565.00	45.27	34.20	-11.07	54.00	19.80	150	97	AV	Vertical	PASS
12	4960.00	48.07	41.19	-6.88	54.00	12.81	150	313	AV	Vertical	PASS

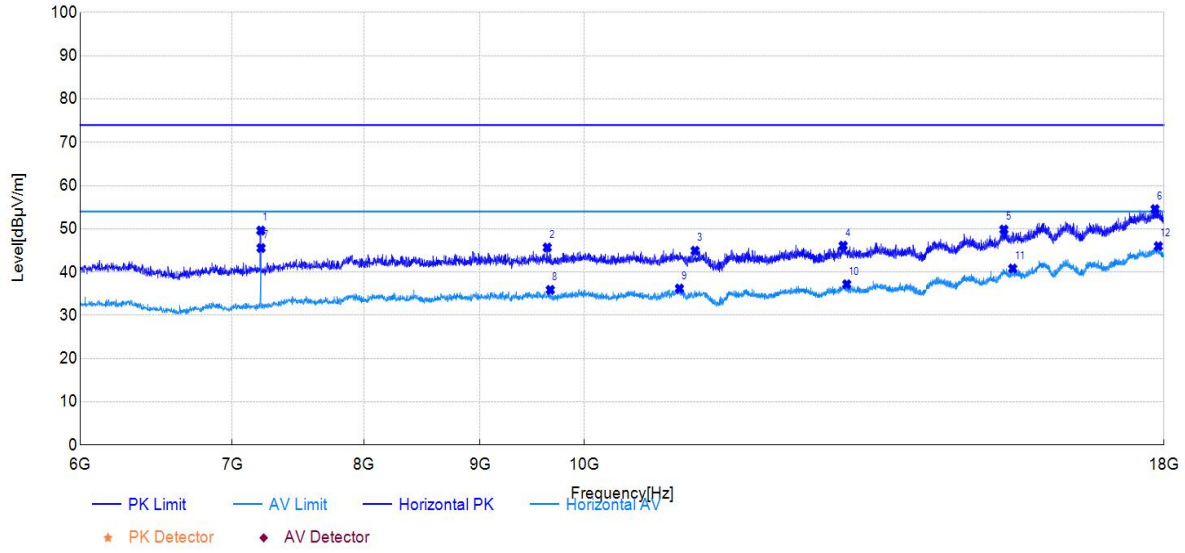
Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

6GHz-18GHz

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	00	Test Engineer:	Stone Zhang



Suspected Data List

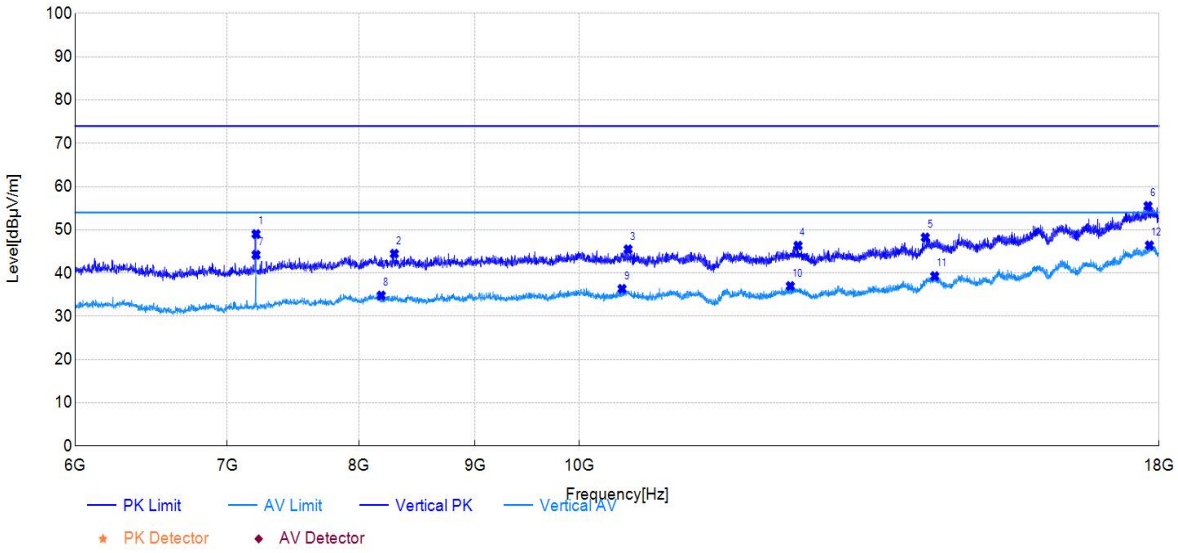
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7206.00	53.72	49.59	-4.13	74.00	24.41	150	262	PK	Horizontal	PASS
2	9633.00	46.23	45.68	-0.55	74.00	28.32	150	336	PK	Horizontal	PASS
3	11190.00	44.18	44.93	0.75	74.00	29.07	150	189	PK	Horizontal	PASS
4	13002.00	43.36	46.10	2.74	74.00	27.90	150	220	PK	Horizontal	PASS
5	15303.00	42.54	49.82	7.28	74.00	24.18	150	20	PK	Horizontal	PASS
6	17836.50	40.47	54.56	14.09	74.00	19.44	150	214	PK	Horizontal	PASS
7	7207.50	49.67	45.55	-4.12	54.00	8.45	150	262	AV	Horizontal	PASS
8	9663.00	36.72	35.88	-0.84	54.00	18.12	150	308	AV	Horizontal	PASS
9	11014.50	34.97	36.19	1.22	54.00	17.81	150	105	AV	Horizontal	PASS
10	13050.00	34.37	37.18	2.81	54.00	16.82	150	125	AV	Horizontal	PASS
11	15441.00	33.65	40.81	7.16	54.00	13.19	150	288	AV	Horizontal	PASS
12	17896.50	31.58	45.98	14.40	54.00	8.02	150	173	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	00	Test Engineer:	Stone Zhang



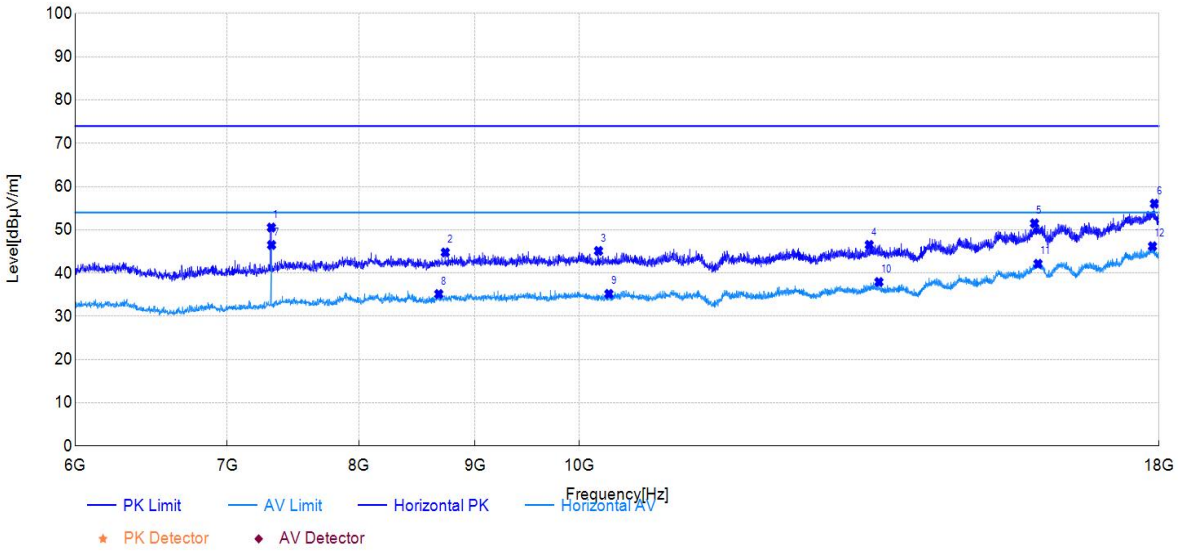
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7207.50	53.13	49.01	-4.12	74.00	24.99	150	115	PK	Vertical	PASS
2	8292.00	45.67	44.47	-1.20	74.00	29.53	150	30	PK	Vertical	PASS
3	10509.00	44.35	45.50	1.15	74.00	28.50	150	82	PK	Vertical	PASS
4	12484.50	43.81	46.34	2.53	74.00	27.66	150	249	PK	Vertical	PASS
5	14203.50	43.89	48.23	4.34	74.00	25.77	150	177	PK	Vertical	PASS
6	17800.50	41.05	55.51	14.46	74.00	18.49	150	104	PK	Vertical	PASS
7	7207.50	48.33	44.21	-4.12	54.00	9.79	150	332	AV	Vertical	PASS
8	8182.50	36.20	34.81	-1.39	54.00	19.19	150	115	AV	Vertical	PASS
9	10444.50	35.53	36.35	0.82	54.00	17.65	150	343	AV	Vertical	PASS
10	12387.00	34.72	37.00	2.28	54.00	17.00	150	229	AV	Vertical	PASS
11	14340.00	33.85	39.29	5.44	54.00	14.71	150	124	AV	Vertical	PASS
12	17826.00	31.80	46.40	14.60	54.00	7.60	150	254	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	19	Test Engineer:	Stone Zhang



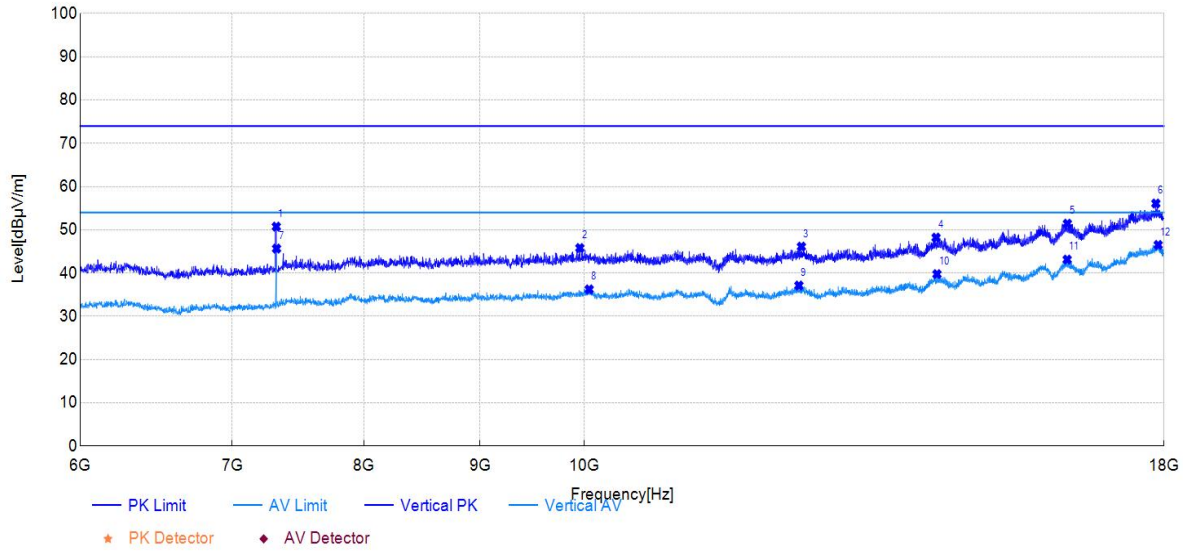
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7320.00	53.86	50.53	-3.33	74.00	23.47	150	267	PK	Horizontal	PASS
2	8731.50	45.86	44.77	-1.09	74.00	29.23	150	356	PK	Horizontal	PASS
3	10198.50	45.17	45.12	-0.05	74.00	28.88	150	0	PK	Horizontal	PASS
4	13419.00	43.54	46.51	2.97	74.00	27.49	150	189	PK	Horizontal	PASS
5	15865.50	42.37	51.49	9.12	74.00	22.51	150	115	PK	Horizontal	PASS
6	17916.00	41.73	56.05	14.32	74.00	17.95	150	104	PK	Horizontal	PASS
7	7321.50	49.81	46.49	-3.32	54.00	7.51	150	272	AV	Horizontal	PASS
8	8674.50	36.32	35.15	-1.17	54.00	18.85	150	15	AV	Horizontal	PASS
9	10306.50	35.12	35.18	0.06	54.00	18.82	150	0	AV	Horizontal	PASS
10	13551.00	34.72	37.93	3.21	54.00	16.07	150	25	AV	Horizontal	PASS
11	15922.50	32.36	42.14	9.78	54.00	11.86	150	360	AV	Horizontal	PASS
12	17881.50	31.87	46.19	14.32	54.00	7.81	150	309	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	19	Test Engineer:	Stone Zhang



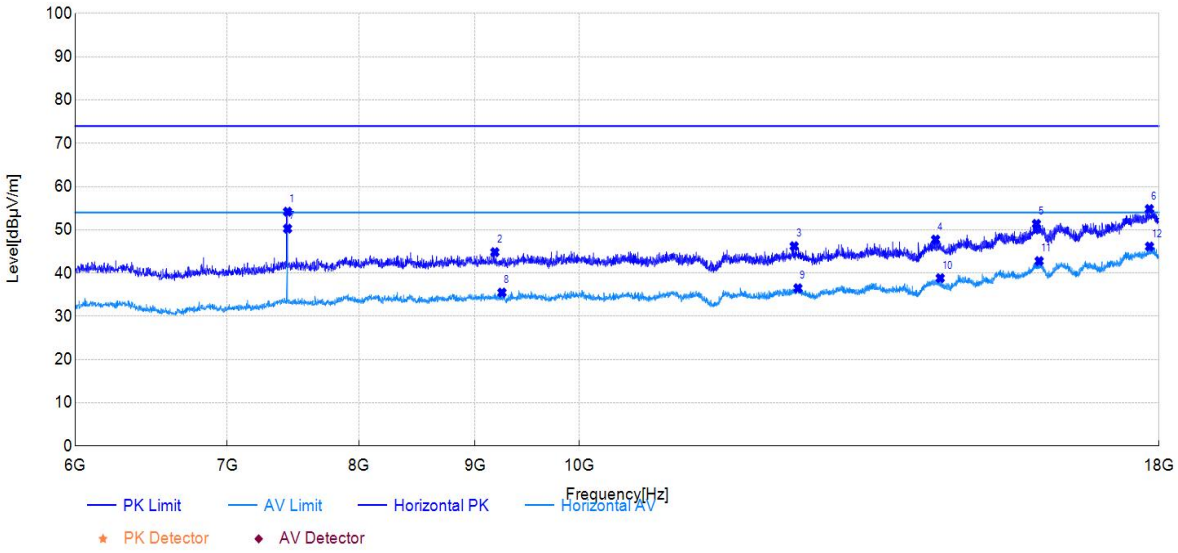
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7320.00	54.07	50.74	-3.33	74.00	23.26	150	92	PK	Vertical	PASS
2	9957.00	45.53	45.79	0.26	74.00	28.21	150	352	PK	Vertical	PASS
3	12463.50	43.63	46.11	2.48	74.00	27.89	150	165	PK	Vertical	PASS
4	14286.00	43.02	48.20	5.18	74.00	25.80	150	248	PK	Vertical	PASS
5	16320.00	42.05	51.42	9.37	74.00	22.58	150	170	PK	Vertical	PASS
6	17851.50	41.36	56.09	14.73	74.00	17.91	150	360	PK	Vertical	PASS
7	7321.50	48.98	45.66	-3.32	54.00	8.34	150	109	AV	Vertical	PASS
8	10051.50	35.78	36.22	0.44	54.00	17.78	150	191	AV	Vertical	PASS
9	12432.00	34.69	37.12	2.43	54.00	16.88	150	83	AV	Vertical	PASS
10	14299.50	34.43	39.75	5.32	54.00	14.25	150	176	AV	Vertical	PASS
11	16317.00	33.74	43.11	9.37	54.00	10.89	150	227	AV	Vertical	PASS
12	17893.50	31.54	46.50	14.96	54.00	7.50	150	10	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	39	Test Engineer:	Stone Zhang



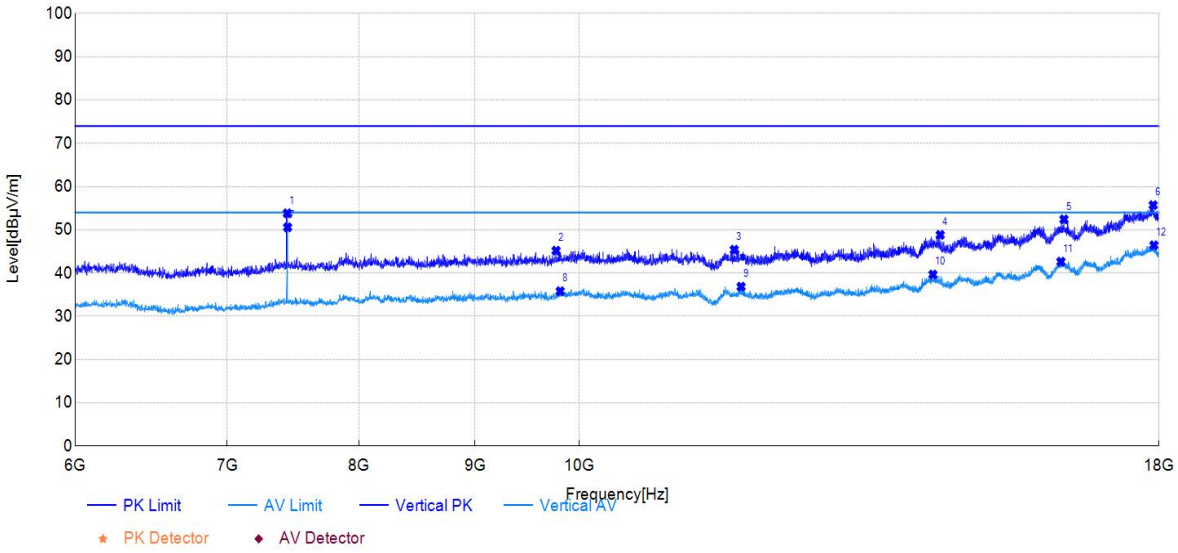
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7441.50	57.03	54.18	-2.85	74.00	19.82	150	263	PK	Horizontal	PASS
2	9181.50	45.93	44.82	-1.11	74.00	29.18	150	222	PK	Horizontal	PASS
3	12435.00	43.86	46.21	2.35	74.00	27.79	150	356	PK	Horizontal	PASS
4	14352.00	42.77	47.74	4.97	74.00	26.26	150	136	PK	Horizontal	PASS
5	15897.00	41.65	51.37	9.72	74.00	22.63	150	360	PK	Horizontal	PASS
6	17824.50	40.79	54.81	14.02	74.00	19.19	150	272	PK	Horizontal	PASS
7	7441.50	53.12	50.27	-2.85	54.00	3.73	150	263	AV	Horizontal	PASS
8	9247.50	36.61	35.48	-1.13	54.00	18.52	150	8	AV	Horizontal	PASS
9	12483.00	34.07	36.49	2.42	54.00	17.51	150	0	AV	Horizontal	PASS
10	14419.50	33.82	38.83	5.01	54.00	15.17	150	28	AV	Horizontal	PASS
11	15940.50	32.99	42.77	9.78	54.00	11.23	150	38	AV	Horizontal	PASS
12	17827.50	32.09	46.13	14.04	54.00	7.87	150	176	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_1M	Test Date:	2024-10-29
Test Channel:	39	Test Engineer:	Stone Zhang



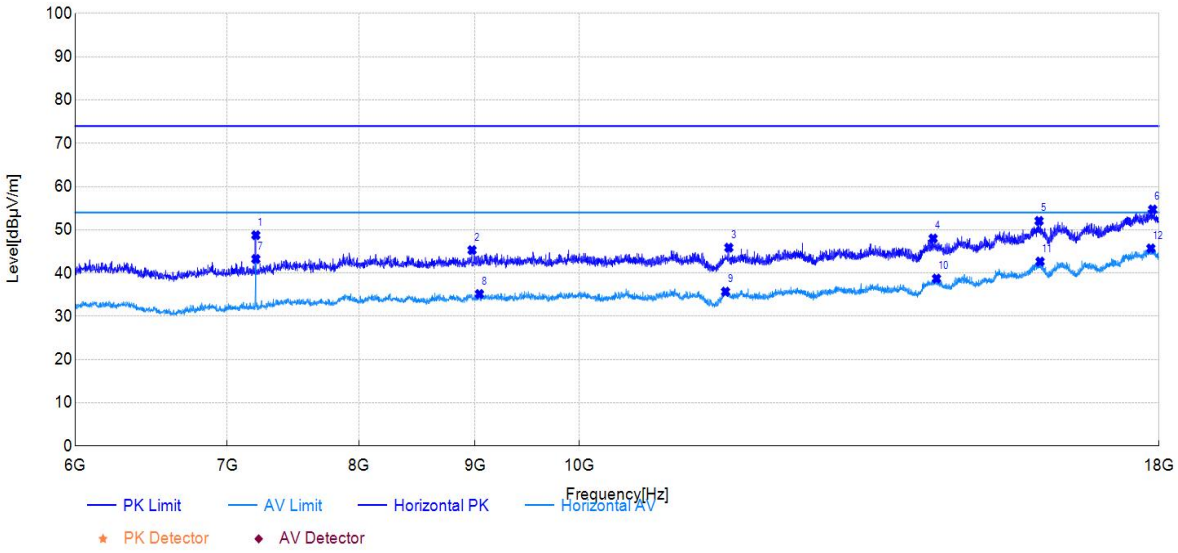
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7440.00	56.66	53.82	-2.84	74.00	20.18	150	91	PK	Vertical	PASS
2	9769.50	45.43	45.17	-0.26	74.00	28.83	150	9	PK	Vertical	PASS
3	11703.00	44.59	45.38	0.79	74.00	28.62	150	24	PK	Vertical	PASS
4	14419.50	43.41	48.83	5.42	74.00	25.17	150	211	PK	Vertical	PASS
5	16347.00	42.91	52.41	9.50	74.00	21.59	150	197	PK	Vertical	PASS
6	17893.50	40.74	55.70	14.96	74.00	18.30	150	203	PK	Vertical	PASS
7	7441.50	53.42	50.57	-2.85	54.00	3.43	150	91	AV	Vertical	PASS
8	9810.00	35.73	35.79	0.06	54.00	18.21	150	349	AV	Vertical	PASS
9	11784.00	35.49	36.85	1.36	54.00	17.15	150	227	AV	Vertical	PASS
10	14313.00	34.29	39.65	5.36	54.00	14.35	150	359	AV	Vertical	PASS
11	16296.00	33.38	42.63	9.25	54.00	11.37	150	141	AV	Vertical	PASS
12	17907.00	31.46	46.42	14.96	54.00	7.58	150	284	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	00	Test Engineer:	Stone Zhang



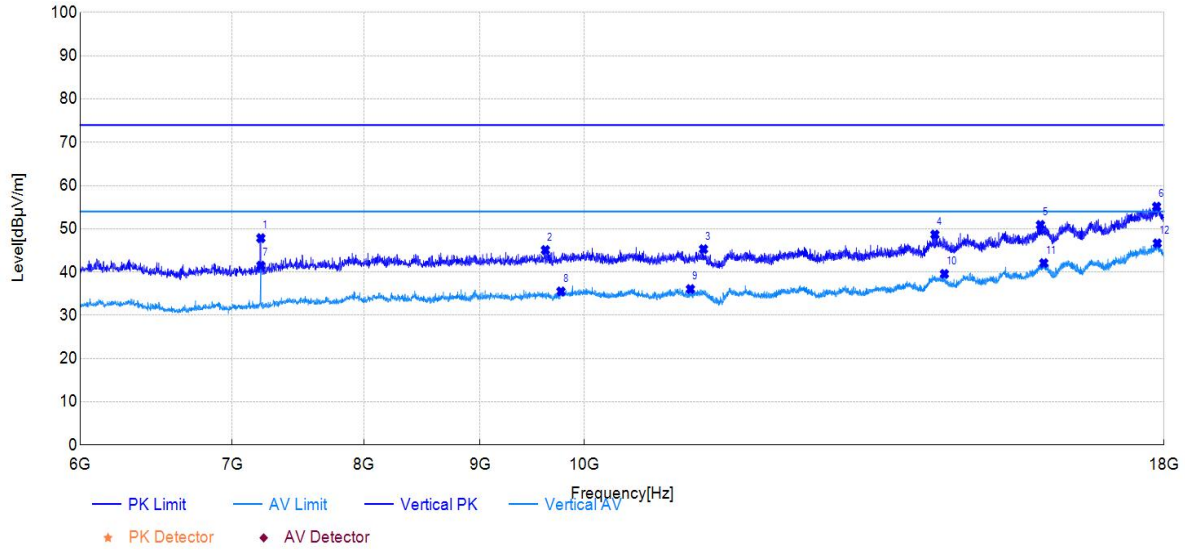
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7206.00	52.89	48.76	-4.13	74.00	25.24	150	272	PK	Horizontal	PASS
2	8971.50	46.20	45.30	-0.90	74.00	28.70	150	334	PK	Horizontal	PASS
3	11638.50	44.75	45.87	1.12	74.00	28.13	150	21	PK	Horizontal	PASS
4	14316.00	43.18	47.99	4.81	74.00	26.01	150	88	PK	Horizontal	PASS
5	15939.00	42.28	52.06	9.78	74.00	21.94	150	210	PK	Horizontal	PASS
6	17884.50	40.35	54.69	14.34	74.00	19.31	150	309	PK	Horizontal	PASS
7	7206.00	47.38	43.25	-4.13	54.00	10.75	150	261	AV	Horizontal	PASS
8	9039.00	35.92	35.15	-0.77	54.00	18.85	150	62	AV	Horizontal	PASS
9	11599.50	34.20	35.69	1.49	54.00	18.31	150	178	AV	Horizontal	PASS
10	14365.50	33.71	38.73	5.02	54.00	15.27	150	288	AV	Horizontal	PASS
11	15955.50	32.87	42.65	9.78	54.00	11.35	150	314	AV	Horizontal	PASS
12	17851.50	31.53	45.69	14.16	54.00	8.31	150	199	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	00	Test Engineer:	Stone Zhang



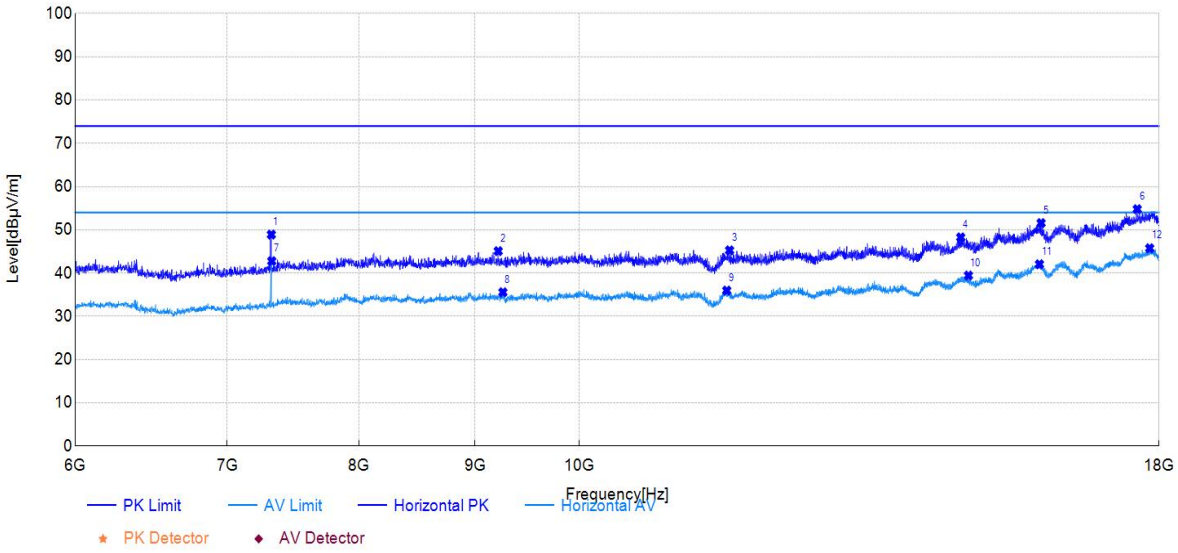
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7206.00	51.97	47.84	-4.13	74.00	26.16	150	186	PK	Vertical	PASS
2	9615.00	45.34	45.09	-0.25	74.00	28.91	150	321	PK	Vertical	PASS
3	11286.00	44.18	45.30	1.12	74.00	28.70	150	284	PK	Vertical	PASS
4	14269.50	43.66	48.67	5.01	74.00	25.33	150	326	PK	Vertical	PASS
5	15880.50	41.96	50.89	8.93	74.00	23.11	150	109	PK	Vertical	PASS
6	17865.00	40.32	55.13	14.81	74.00	18.87	150	51	PK	Vertical	PASS
7	7206.00	45.61	41.48	-4.13	54.00	12.52	150	104	AV	Vertical	PASS
8	9768.00	35.79	35.51	-0.28	54.00	18.49	150	6	AV	Vertical	PASS
9	11137.50	35.18	36.06	0.88	54.00	17.94	150	352	AV	Vertical	PASS
10	14407.50	34.02	39.56	5.54	54.00	14.44	150	196	AV	Vertical	PASS
11	15934.50	32.78	42.07	9.29	54.00	11.93	150	82	AV	Vertical	PASS
12	17877.00	31.77	46.64	14.87	54.00	7.36	150	171	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	19	Test Engineer:	Stone Zhang



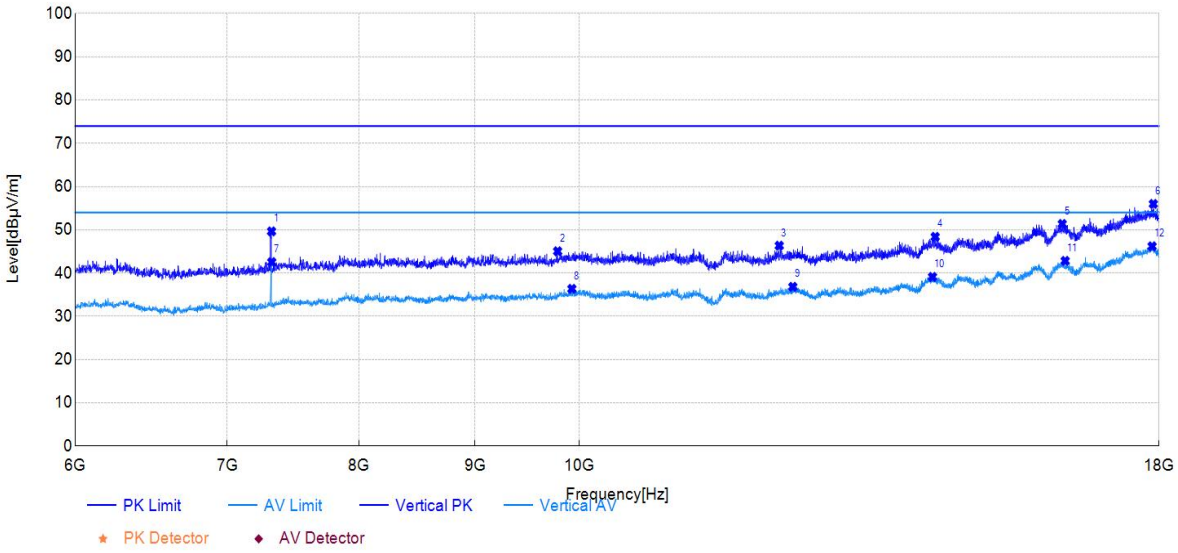
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7320.00	52.23	48.90	-3.33	74.00	25.10	150	266	PK	Horizontal	PASS
2	9213.00	46.25	45.07	-1.18	74.00	28.93	150	298	PK	Horizontal	PASS
3	11647.50	44.21	45.25	1.04	74.00	28.75	150	345	PK	Horizontal	PASS
4	14722.50	42.86	48.25	5.39	74.00	25.75	150	7	PK	Horizontal	PASS
5	15972.00	41.78	51.56	9.78	74.00	22.44	150	313	PK	Horizontal	PASS
6	17607.00	40.83	54.77	13.94	74.00	19.23	150	88	PK	Horizontal	PASS
7	7323.00	46.06	42.76	-3.30	54.00	11.24	150	266	AV	Horizontal	PASS
8	9256.50	36.68	35.56	-1.12	54.00	18.44	150	0	AV	Horizontal	PASS
9	11614.50	34.59	35.95	1.36	54.00	18.05	150	11	AV	Horizontal	PASS
10	14838.00	34.21	39.43	5.22	54.00	14.57	150	282	AV	Horizontal	PASS
11	15945.00	32.26	42.04	9.78	54.00	11.96	150	110	AV	Horizontal	PASS
12	17830.50	31.68	45.74	14.06	54.00	8.26	150	261	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	19	Test Engineer:	Stone Zhang



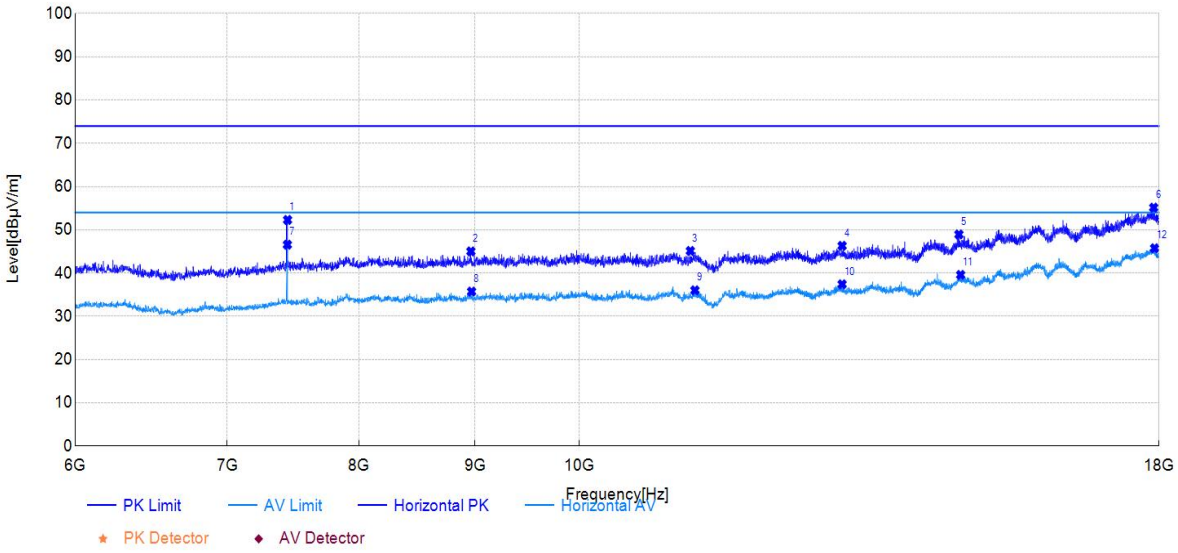
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7321.50	52.96	49.64	-3.32	74.00	24.36	150	88	PK	Vertical	PASS
2	9784.50	45.14	45.04	-0.10	74.00	28.96	150	347	PK	Vertical	PASS
3	12249.00	44.61	46.33	1.72	74.00	27.67	150	113	PK	Vertical	PASS
4	14346.00	42.92	48.38	5.46	74.00	25.62	150	207	PK	Vertical	PASS
5	16318.50	41.99	51.36	9.37	74.00	22.64	150	140	PK	Vertical	PASS
6	17896.50	41.01	55.99	14.98	74.00	18.01	150	360	PK	Vertical	PASS
7	7323.00	45.84	42.54	-3.30	54.00	11.46	150	88	AV	Vertical	PASS
8	9927.00	36.25	36.35	0.10	54.00	17.65	150	285	AV	Vertical	PASS
9	12418.50	34.42	36.82	2.40	54.00	17.18	150	356	AV	Vertical	PASS
10	14307.00	33.77	39.11	5.34	54.00	14.89	150	160	AV	Vertical	PASS
11	16366.50	33.24	42.82	9.58	54.00	11.18	150	26	AV	Vertical	PASS
12	17874.00	31.33	46.19	14.86	54.00	7.81	150	228	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	39	Test Engineer:	Stone Zhang



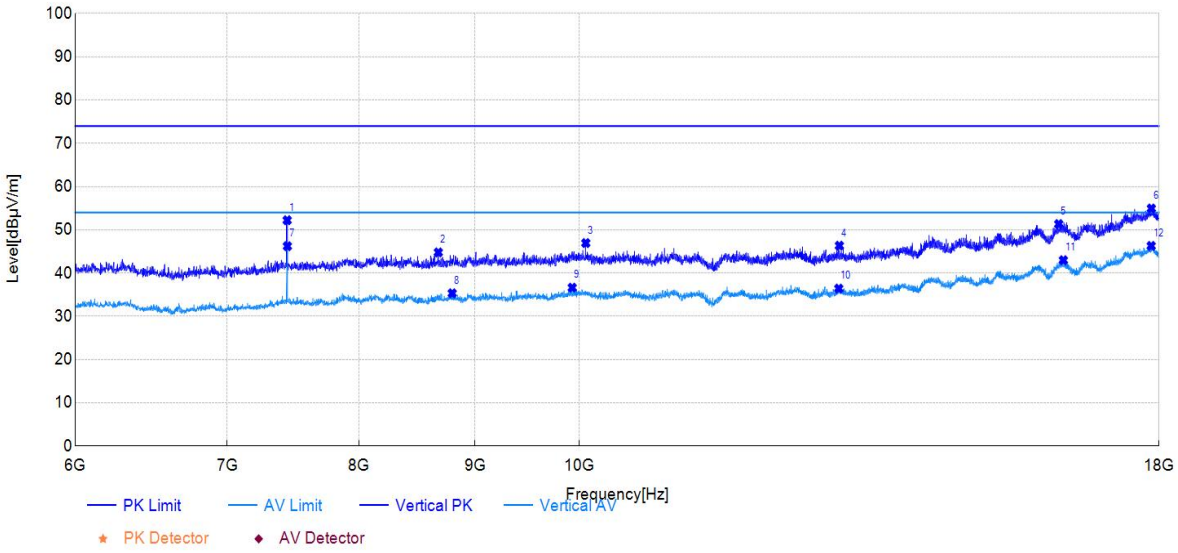
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7441.50	55.14	52.29	-2.85	74.00	21.71	150	256	PK	Horizontal	PASS
2	8961.00	45.95	45.01	-0.94	74.00	28.99	150	94	PK	Horizontal	PASS
3	11193.00	44.36	45.12	0.76	74.00	28.88	150	194	PK	Horizontal	PASS
4	13054.50	43.49	46.30	2.81	74.00	27.70	150	209	PK	Horizontal	PASS
5	14695.50	43.59	48.93	5.34	74.00	25.07	150	131	PK	Horizontal	PASS
6	17902.50	40.72	55.13	14.41	74.00	18.87	150	277	PK	Horizontal	PASS
7	7440.00	49.40	46.56	-2.84	54.00	7.44	150	256	AV	Horizontal	PASS
8	8967.00	36.64	35.72	-0.92	54.00	18.28	150	136	AV	Horizontal	PASS
9	11245.50	35.20	36.01	0.81	54.00	17.99	150	0	AV	Horizontal	PASS
10	13054.50	34.60	37.41	2.81	54.00	16.59	150	220	AV	Horizontal	PASS
11	14721.00	34.19	39.58	5.39	54.00	14.42	150	167	AV	Horizontal	PASS
12	17919.00	31.44	45.74	14.30	54.00	8.26	150	351	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Test Mode:	BLE_2M	Test Date:	2024-10-29
Test Channel:	39	Test Engineer:	Stone Zhang



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7438.50	55.06	52.22	-2.84	74.00	21.78	150	109	PK	Vertical	PASS
2	8670.00	45.95	44.78	-1.17	74.00	29.22	150	98	PK	Vertical	PASS
3	10068.00	46.51	46.94	0.43	74.00	27.06	150	83	PK	Vertical	PASS
4	13018.50	43.97	46.33	2.36	74.00	27.67	150	197	PK	Vertical	PASS
5	16260.00	42.36	51.33	8.97	74.00	22.67	150	238	PK	Vertical	PASS
6	17860.50	40.15	54.94	14.79	74.00	19.06	150	115	PK	Vertical	PASS
7	7440.00	49.06	46.22	-2.84	54.00	7.78	150	88	AV	Vertical	PASS
8	8793.00	36.36	35.32	-1.04	54.00	18.68	150	109	AV	Vertical	PASS
9	9930.00	36.51	36.62	0.11	54.00	17.38	150	155	AV	Vertical	PASS
10	13011.00	34.06	36.41	2.35	54.00	17.59	150	360	AV	Vertical	PASS
11	16336.50	33.52	42.97	9.45	54.00	11.03	150	203	AV	Vertical	PASS
12	17857.50	31.52	46.29	14.77	54.00	7.71	150	359	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.25 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41	--	--	--

[1] Until February 1, 1999, this restricted band shall be 0.490-0.510MHz.

[2] Above 38.6

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

For RSS-Gen Section 8.10 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.009 - 0.110	240 - 285	9.0 - 9.2
2.1735 - 2.1905	322 - 335.4	9.3 - 9.5
3.020 - 3.026	399.9 - 410	10.6 - 12.7
4.125 - 4.128	608 - 614	13.25 - 13.4
4.17725 - 4.17775	960 - 1427	14.47 - 14.5
4.20725 - 4.20775	1435 - 1626.5	15.35 - 16.2
5.677 - 5.683	1645.5 - 1646.5	17.7 - 21.4
6.215 - 6.218	1660 - 1710	22.01 - 23.12
6.26775 - 6.26825	1718.8 -1722.2	23.6 - 24.0
6.31175 - 6.31225	2200 - 2300	31.2 - 31.8
8.291 - 8.294	2310 -2390	36.43 - 36.5
8.362 - 8.366	2655 - 2900	Above 38.6
8.37625 - 8.38675	3260 - 3267	--
8.41425 - 8.41475	3332 -3339	
12.29 - 12.293	334.5 - 3358	
12.51975 - 12.52025	3500 - 4400	
12.57675 - 12.57725	4500 - 5150	
13.36 -13.41	5350 - 5460	
16.42 - 16.423	7250 - 7750	
16.69475 - 16.69525	8025 - 8500	
16.80425 - 16.80475	--	
25.5 - 25.67		
37.5 - 38.25		
73 - 74.6		
74.8 - 75.2		
108 - 138		
156.52475 - 156.525225		
156.7 - 156.9		

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen

must not exceed the limits shown in Table per Section 8.9.

RSS-Gen Section 8.9		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.7.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.7.3. Test Setting

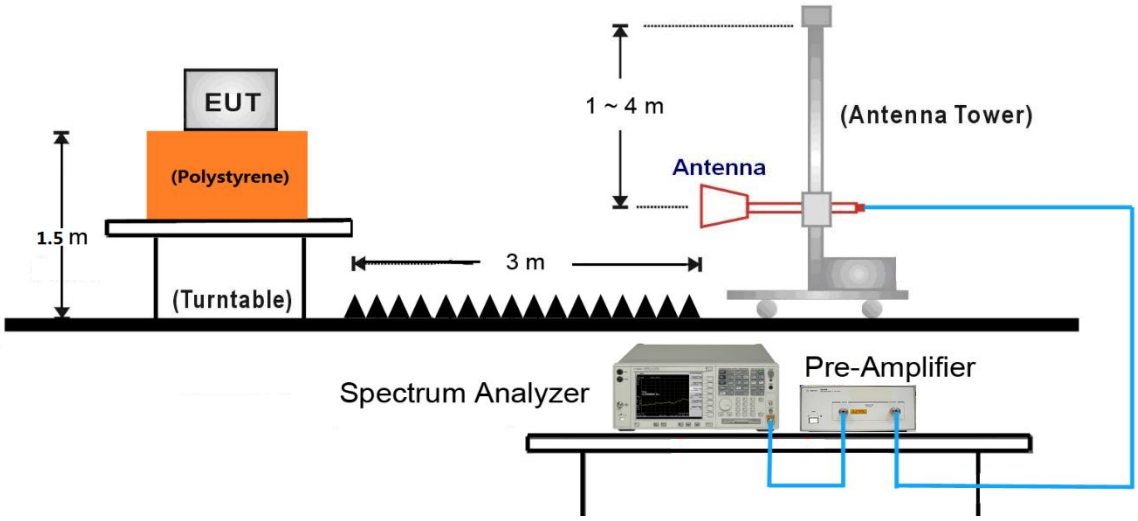
Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Field Strength Measurements

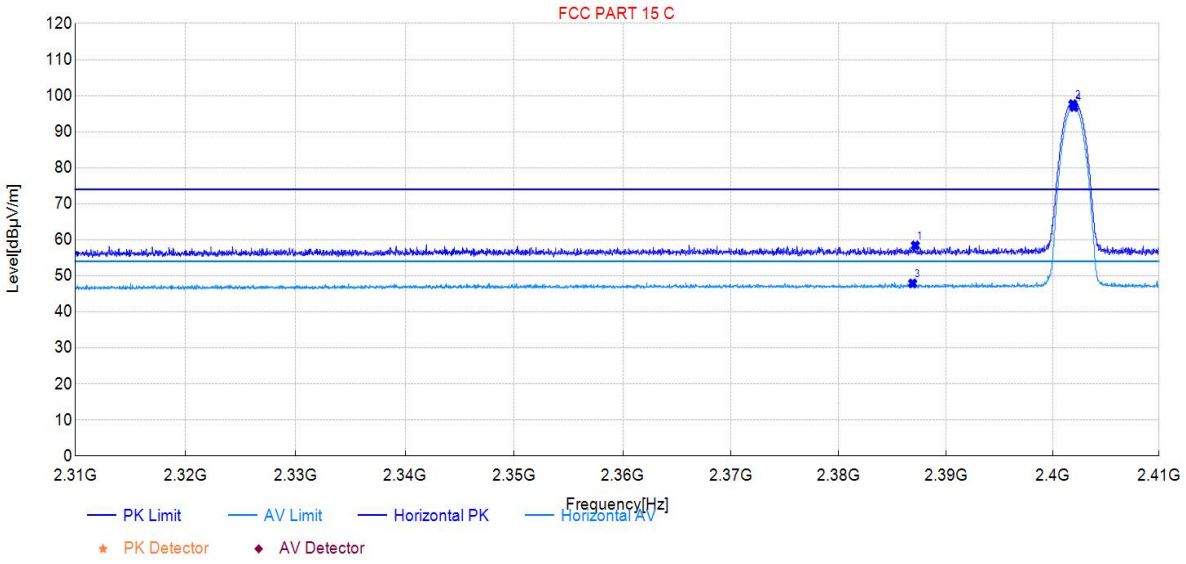
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Power Average (RMS)
5. Number of sweep point = 2001 (Number of sweep points must be ≥ 2 x span / RBW)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

7.7.4. Test Setup



7.7.5. Test Result

Project Information			
EUT:	IoT module	Model:	IOTD-2
Test Date:	2024-10-29	Voltage:	DC 24V
Environment:	Temp: 23.5℃; Humi:46%	Engineer:	Stone Zhang
Remark:	Transmit by BLE_1M at Channel 2402MHz		

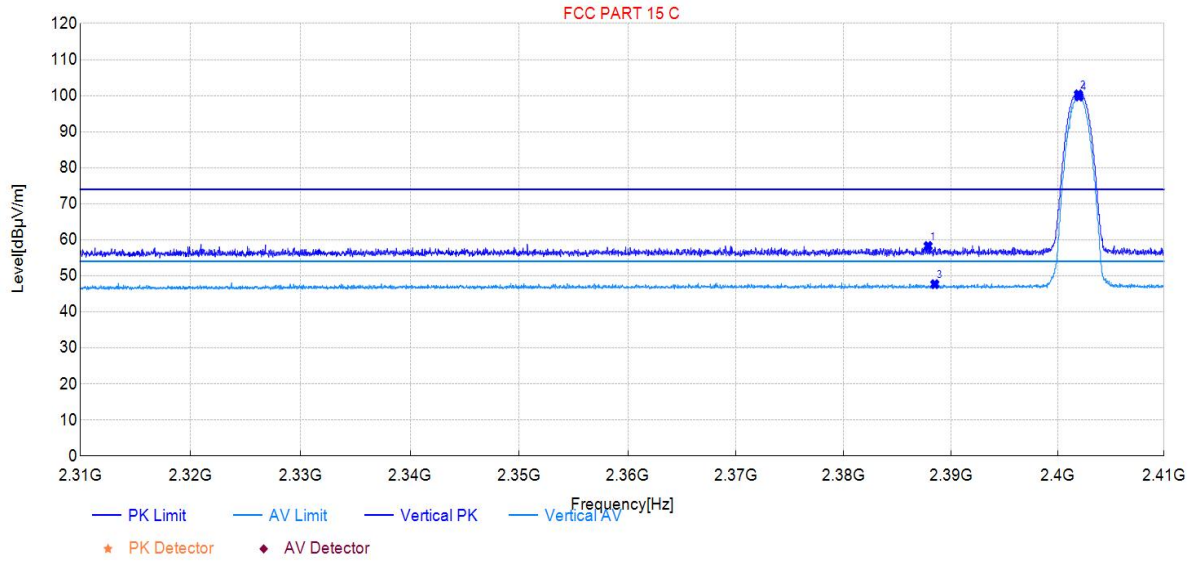


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2387.14	22.33	58.42	36.09	74.00	15.58	150	49	PK	Horizontal	PASS
2	2401.90	61.49	97.64	36.15	/	/	150	309	PK	Horizontal	PASS
3	2386.89	11.82	47.90	36.08	54.00	6.10	150	309	AV	Horizontal	PASS
4	2402.00	60.71	96.86	36.15	/	/	150	309	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level



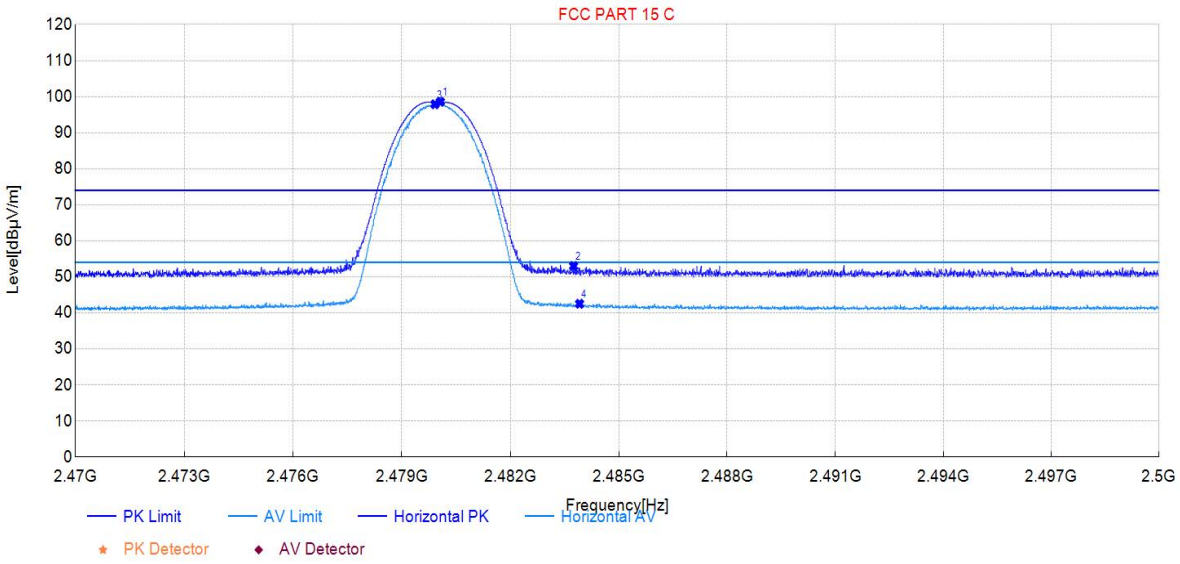
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2387.87	22.34	58.29	35.95	74.00	15.71	150	257	PK	Vertical	PASS
2	2401.95	64.37	100.36	35.99	/	/	150	291	PK	Vertical	PASS
3	2388.49	11.74	47.69	35.95	54.00	6.31	150	325	AV	Vertical	PASS
4	2402.00	63.77	99.76	35.99	/	/	150	286	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Project Information			
EUT:	IoT module	Model:	IOTD-2
Test Date:	2024-10-29	Voltage:	DC 24V
Environment:	Temp: 23.5℃; Humi:46%	Engineer:	Stone Zhang
Remark:	Transmit by BLE_1M at Channel 2480MHz		

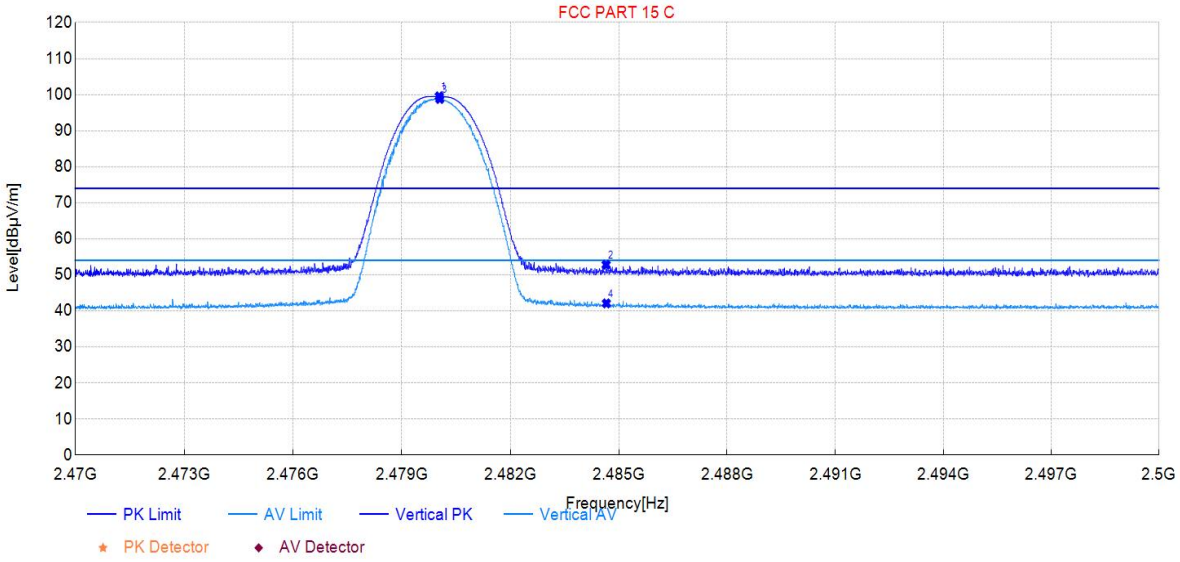


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2480.07	62.23	98.58	36.35	/	/	150	352	PK	Horizontal	PASS
2	2483.75	16.64	53.00	36.36	74.00	21.00	150	306	PK	Horizontal	PASS
3	2479.92	61.53	97.88	36.35	/	/	150	352	AV	Horizontal	PASS
4	2483.92	6.17	42.53	36.36	54.00	11.47	150	0	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level



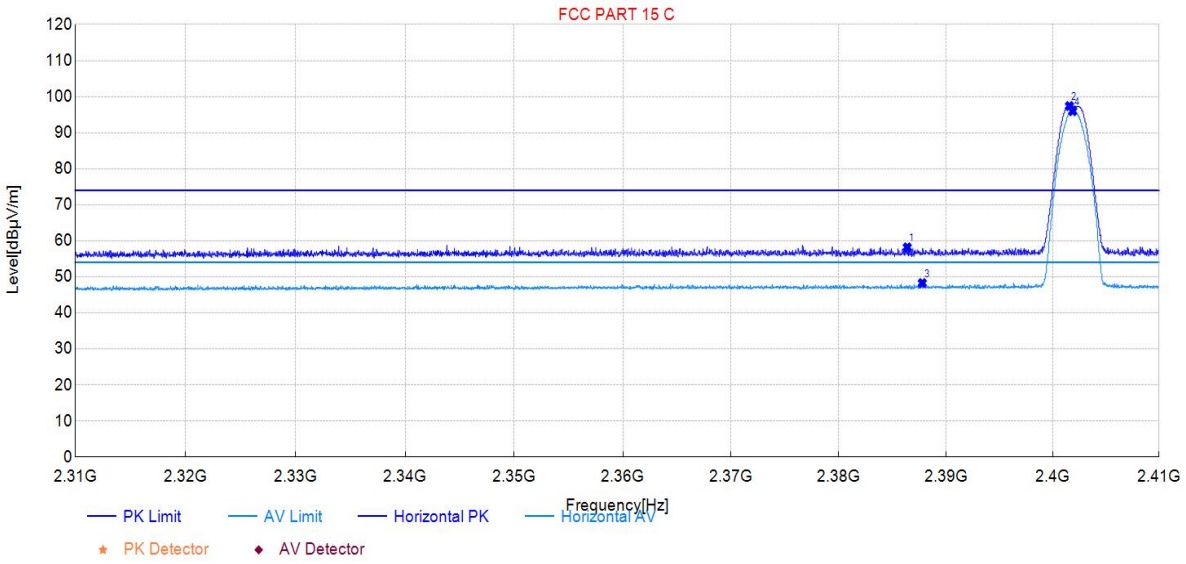
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2480.04	63.47	99.55	36.08	/	/	150	285	PK	Vertical	PASS
2	2484.65	16.73	52.81	36.08	74.00	21.19	150	285	PK	Vertical	PASS
3	2480.05	62.73	98.81	36.08	/	/	150	290	AV	Vertical	PASS
4	2484.66	6.01	42.09	36.08	54.00	11.91	150	281	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Project Information			
EUT:	IoT module	Model:	IOTD-2
Test Date:	2024-10-29	Voltage:	DC 24V
Environment:	Temp: 23.5℃; Humi:46%	Engineer:	Stone Zhang
Remark:	Transmit by BLE_2M at Channel 2402MHz		

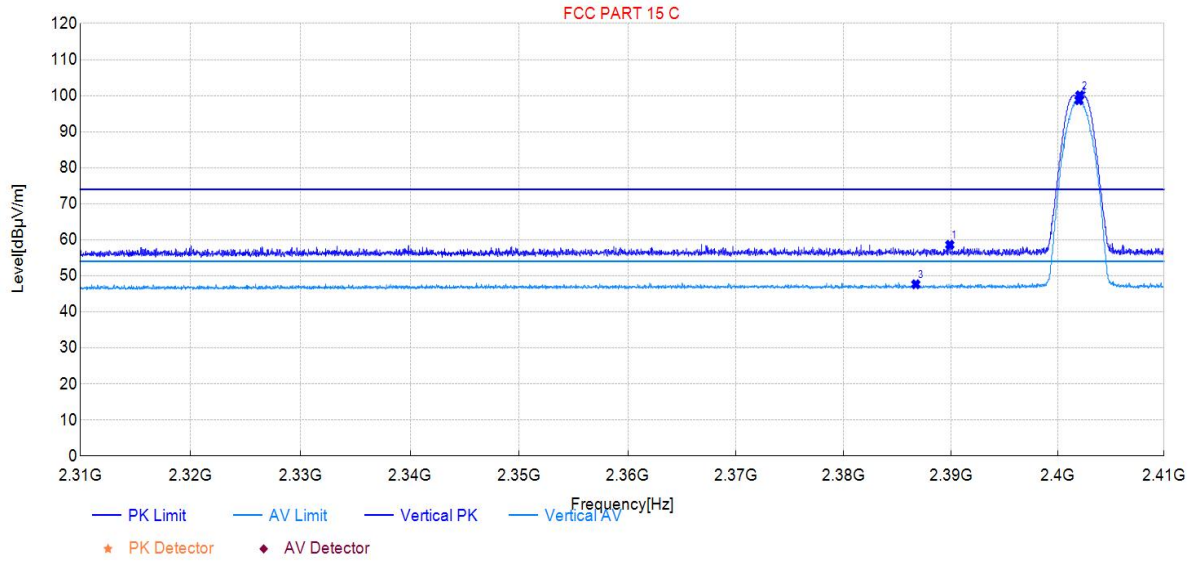


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2386.39	22.11	58.19	36.08	74.00	15.81	150	0	PK	Horizontal	PASS
2	2401.57	61.26	97.41	36.15	/	/	150	310	PK	Horizontal	PASS
3	2387.79	12.19	48.28	36.09	54.00	5.72	150	201	AV	Horizontal	PASS
4	2401.87	59.82	95.97	36.15	/	/	150	310	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level



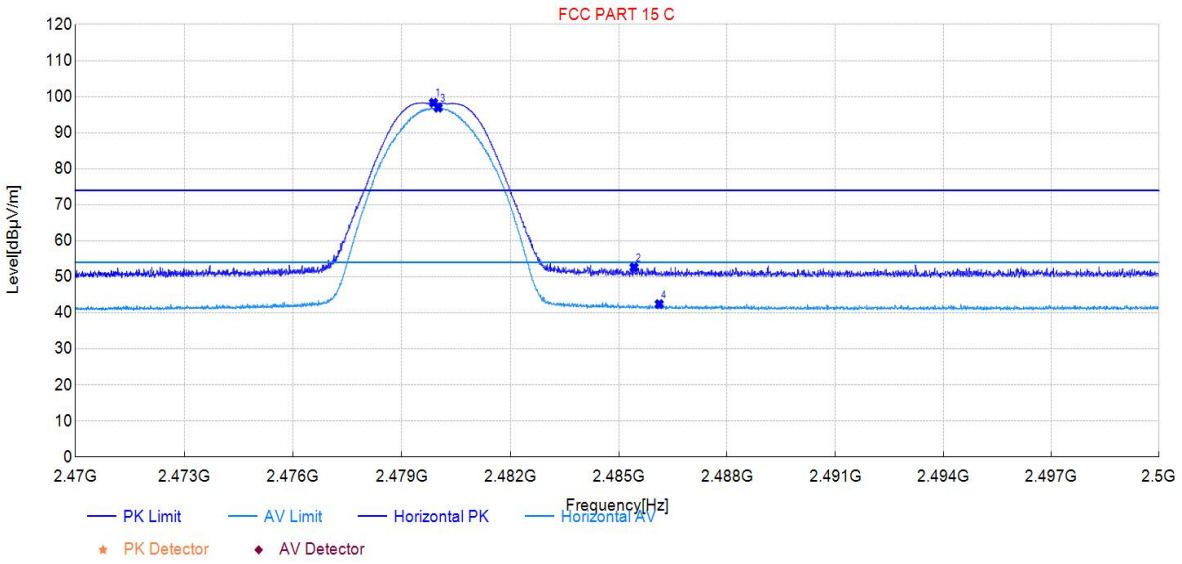
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2389.89	22.67	58.62	35.95	74.00	15.38	150	355	PK	Vertical	PASS
2	2402.07	64.11	100.10	35.99	/	/	150	289	PK	Vertical	PASS
3	2386.72	11.72	47.66	35.94	54.00	6.34	150	323	AV	Vertical	PASS
4	2402.00	62.74	98.73	35.99	/	/	150	289	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

Project Information			
EUT:	IoT module	Model:	IOTD-2
Test Date:	2024-10-29	Voltage:	DC 24V
Environment:	Temp: 23.5℃; Humi:46%	Engineer:	Stone Zhang
Remark:	Transmit by BLE_2M at Channel 2480MHz		

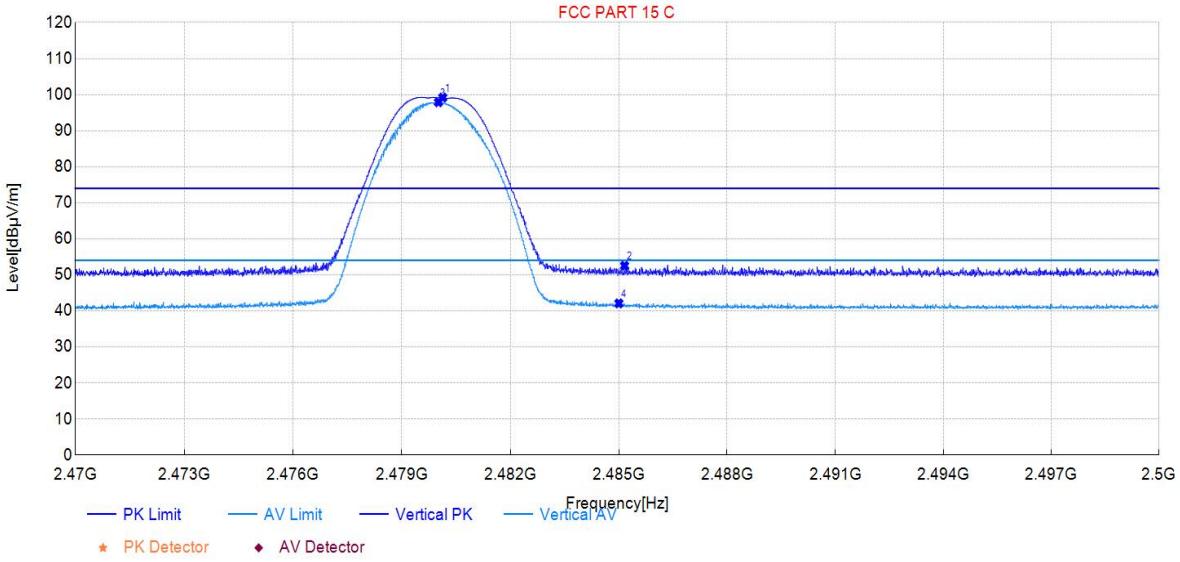


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2479.88	61.95	98.30	36.35	/	/	150	352	PK	Horizontal	PASS
2	2485.42	16.26	52.63	36.37	74.00	21.37	150	315	PK	Horizontal	PASS
3	2480.01	60.60	96.95	36.35	/	/	150	356	AV	Horizontal	PASS
4	2486.12	6.07	42.44	36.37	54.00	11.56	150	32	AV	Horizontal	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level



Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	2480.14	63.12	99.20	36.08	/	/	150	288	PK	Vertical	PASS
2	2485.16	16.43	52.52	36.09	74.00	21.48	150	71	PK	Vertical	PASS
3	2480.02	61.81	97.89	36.08	/	/	150	285	AV	Vertical	PASS
4	2485.00	6.00	42.09	36.09	54.00	11.91	150	285	AV	Vertical	PASS

Note:

(1) Level=Reading + Factor

(2) Margin=Limit-Level

7.8. AC Conducted Emissions Measurement

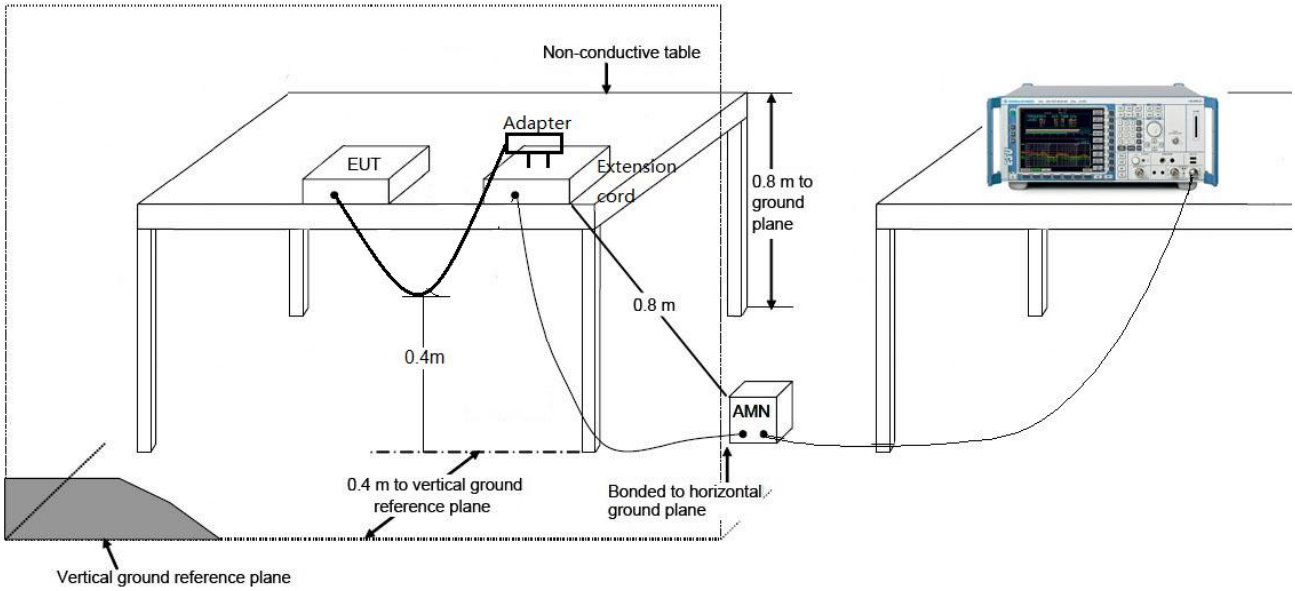
7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3. Test Result

The EUT is DC supply, this item only for the EUT is designed to be connected to the public utility (AC) power line. Not applicable.

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **IoT module** is compliance with Part 15C of the FCC Rules.

The End