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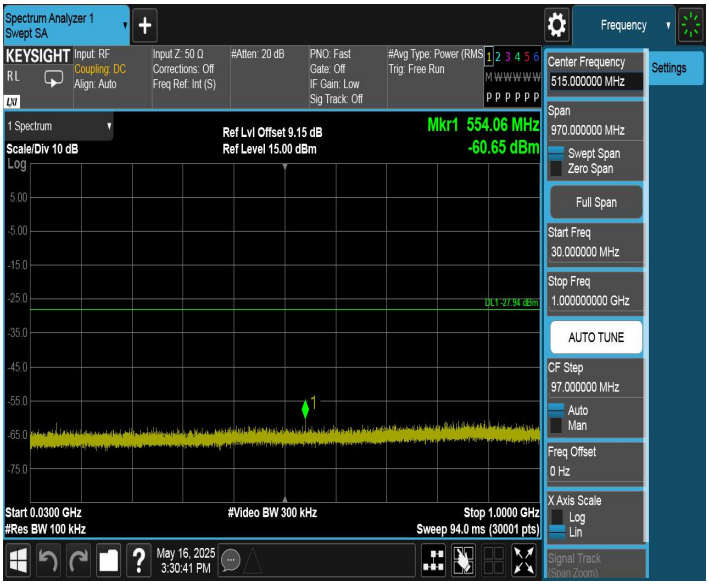
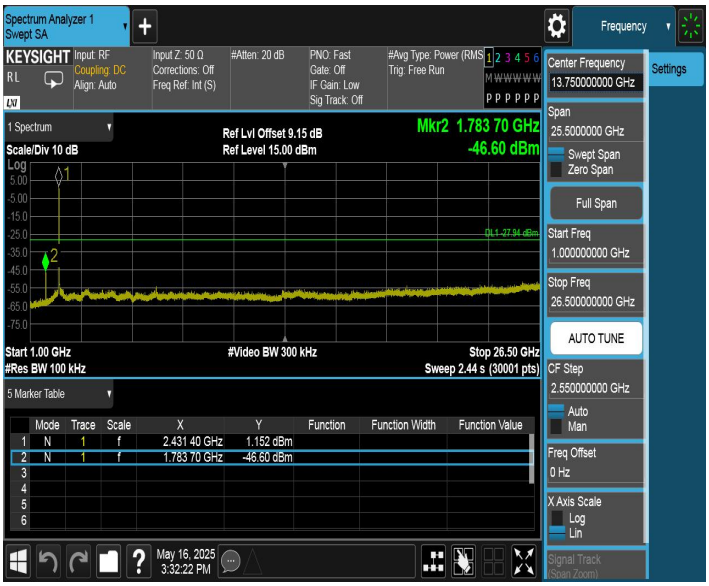
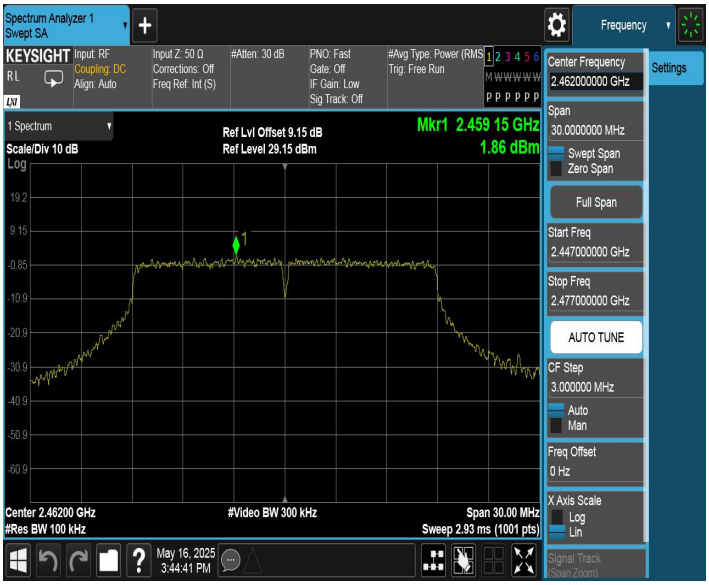


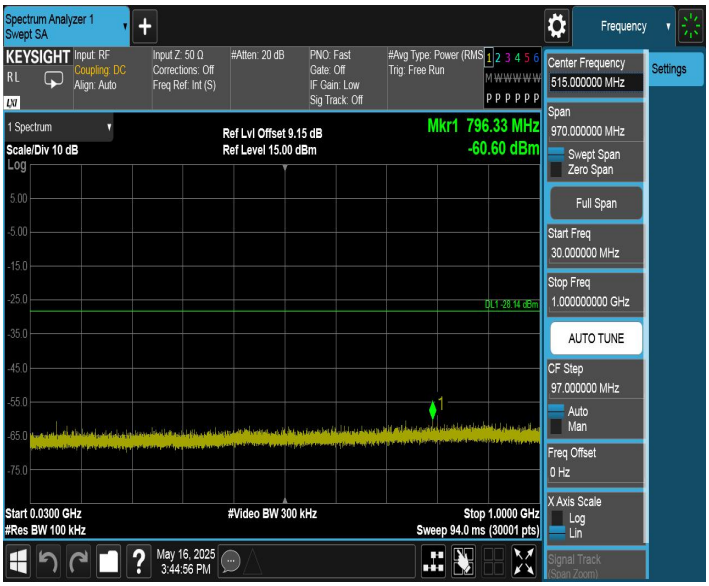
11N20SISO_Ant1_2437_1000~26500



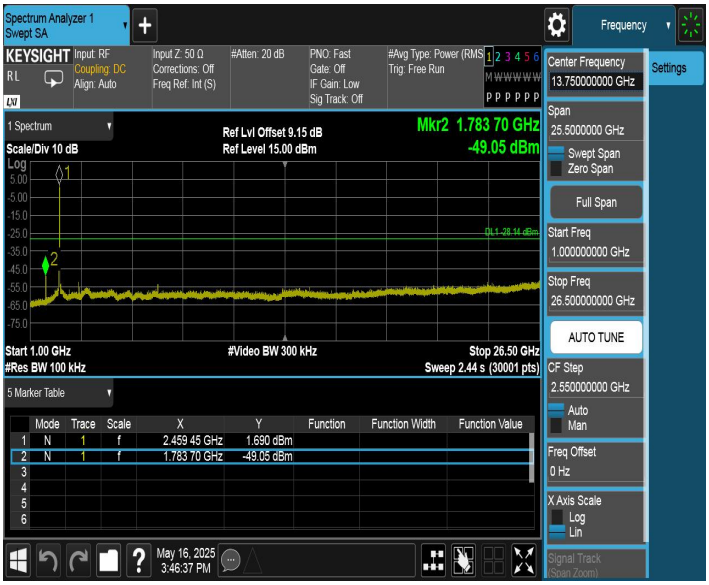
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_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

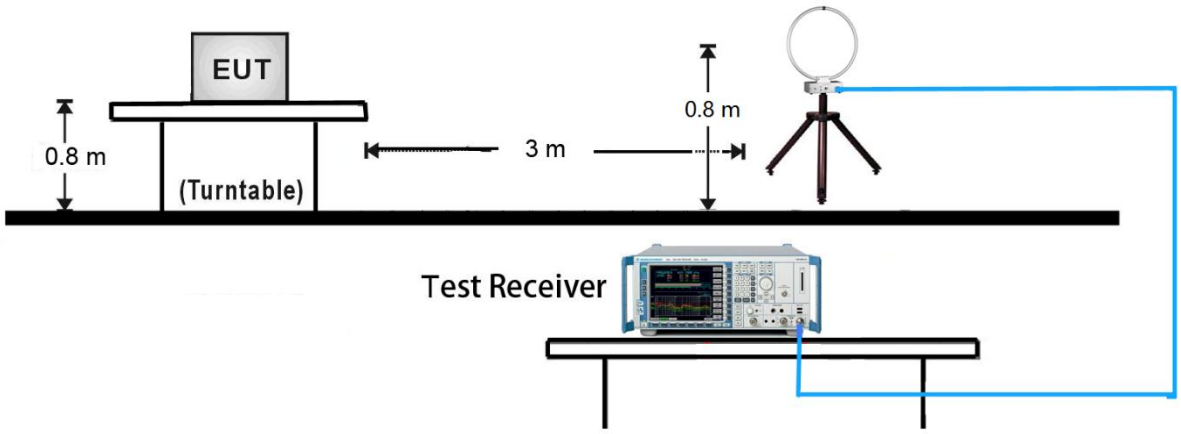
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

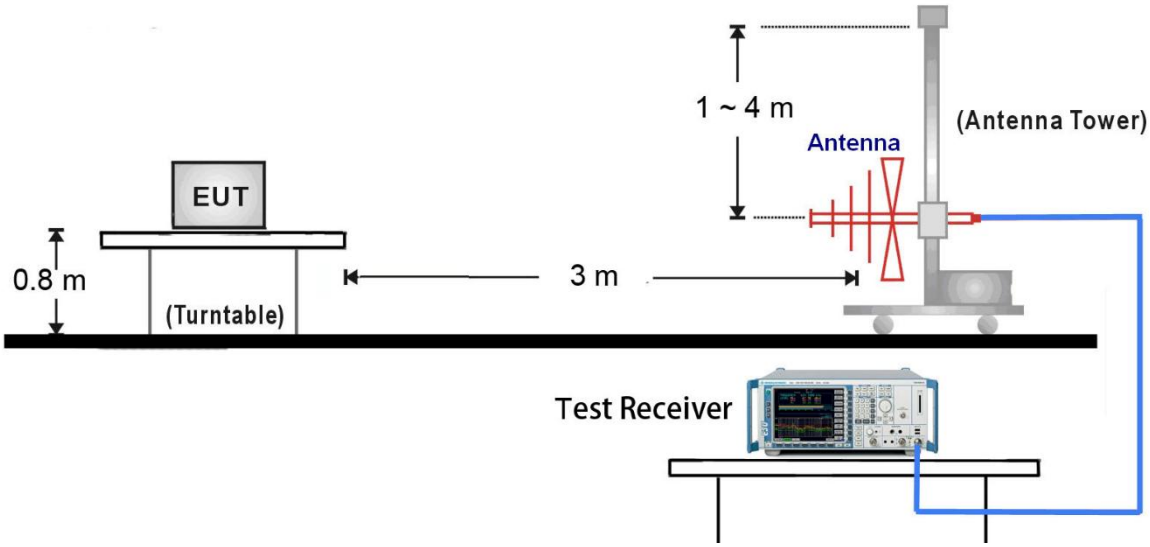
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Power Average (RMS)
5. Number of sweep point = 2001 (Number of sweep points must be ≥ 2 x span / RBW)
6. Sweep time = auto
7. Trace (RMS) averaging was performed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

7.6.4. Test Setup

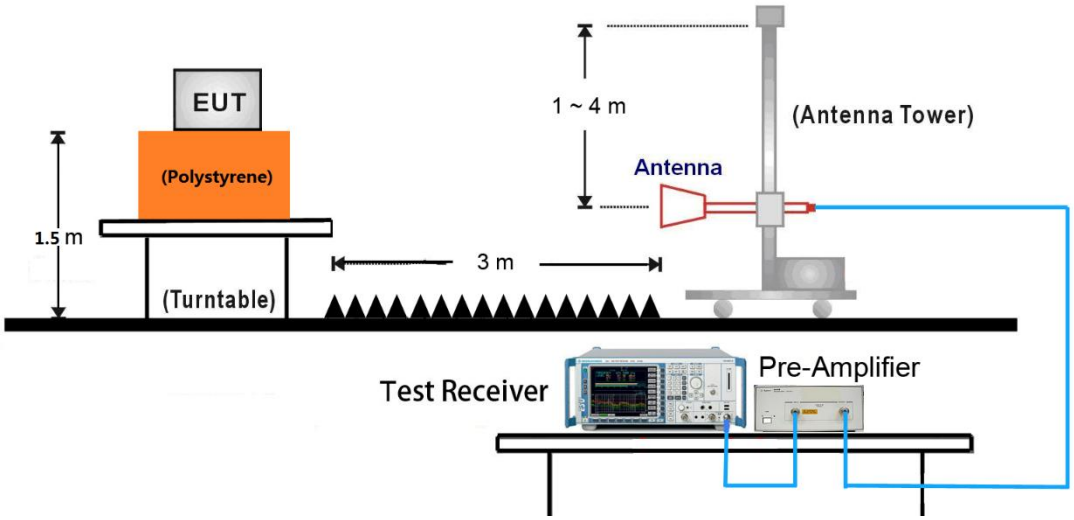
9kHz ~ 30MHz Test Setup:



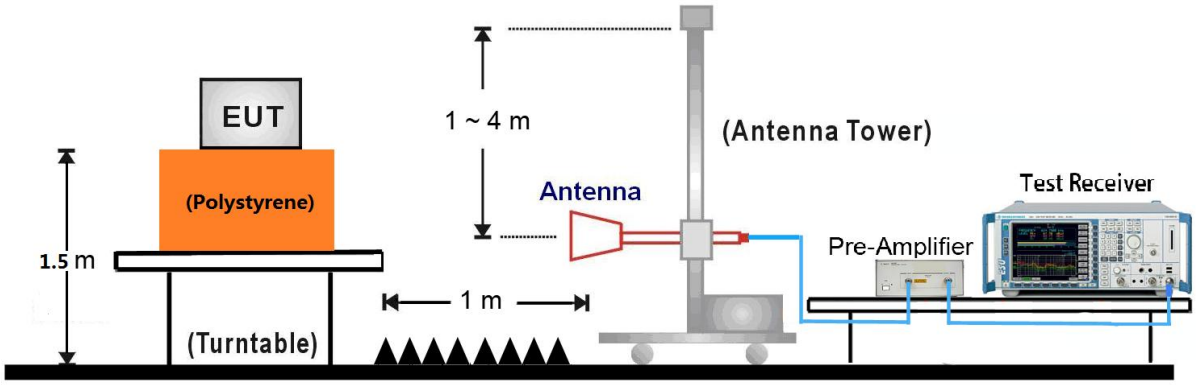
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:

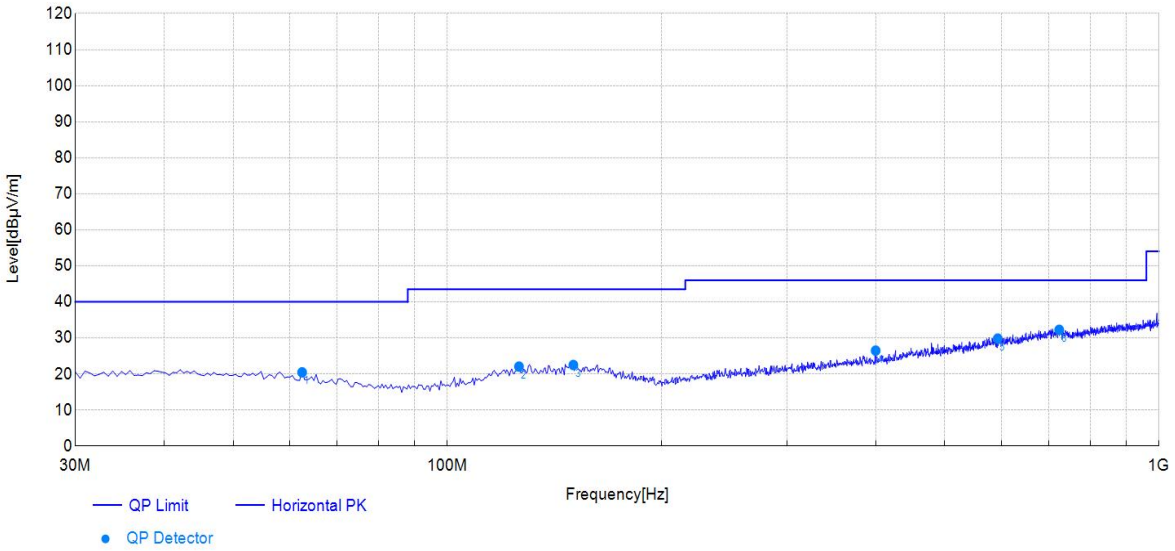


7.6.5. Test Result

The worst case of Radiated Emission below 1GHz:

30MHz – 1GHz Test Data

EUT:	Embedded Wi-Fi/BLE Module	Polarity:	Horizontal
Model:	EMC3186-E	Test Date:	2024-05-20
Mode:	Transmit by 802.11b at Channel 2412MHz	Voltage:	DC 3.3V
Environment:	Temp: 25.1℃; Humi:38%	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	62.51	13.40	7.06	20.46	40.00	19.54	100	135	Horizontal	PASS
2	126.08	14.13	7.93	22.06	43.50	21.44	100	9	Horizontal	PASS
3	150.34	15.51	6.99	22.50	43.50	21.00	100	194	Horizontal	PASS
4	399.75	17.40	9.08	26.48	46.00	19.52	100	358	Horizontal	PASS
5	593.37	21.55	8.28	29.83	46.00	16.17	100	359	Horizontal	PASS
6	723.90	23.53	8.74	32.27	46.00	13.73	100	236	Horizontal	PASS

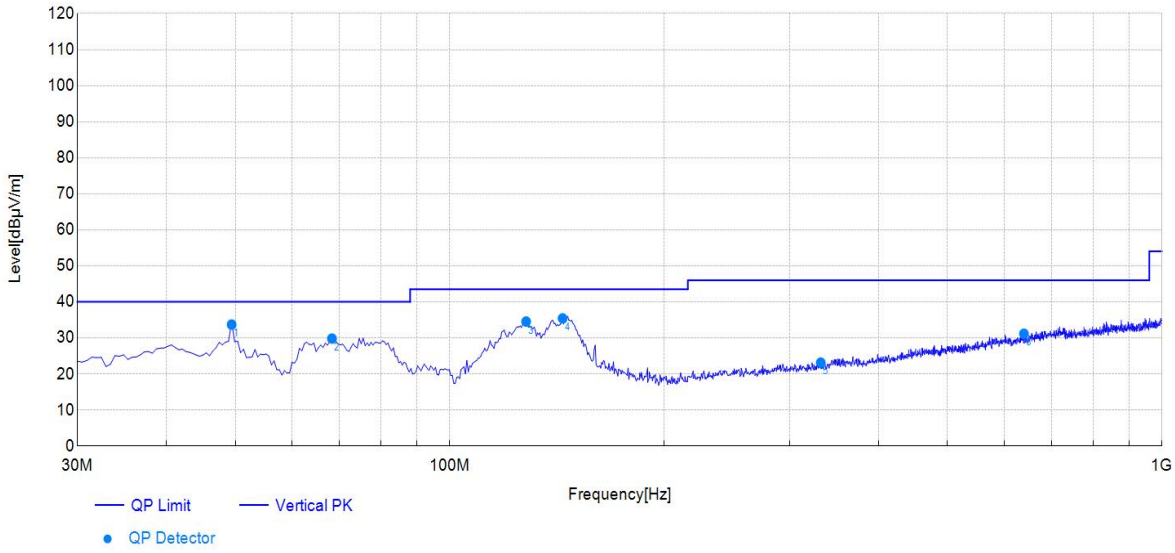
Note:

(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:	Embedded Wi-Fi/BLE Module	Polarity:	Vertical
Model:	EMC3186-E	Test Date:	2024-05-20
Mode:	Transmit by 802.11b at Channel 2412MHz	Voltage:	DC 3.3V
Environment:	Temp: 25.1℃; Humi:38%	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	49.41	14.53	19.19	33.72	40.00	6.28	100	23	Vertical	PASS
2	68.33	12.37	17.46	29.83	40.00	10.17	100	250	Vertical	PASS
3	128.02	14.26	20.29	34.55	43.50	8.95	100	224	Vertical	PASS
4	144.03	15.30	20.13	35.43	43.50	8.07	100	282	Vertical	PASS
5	331.82	15.94	7.22	23.16	46.00	22.84	100	5	Vertical	PASS
6	639.95	22.30	8.88	31.18	46.00	14.82	100	85	Vertical	PASS

Note:

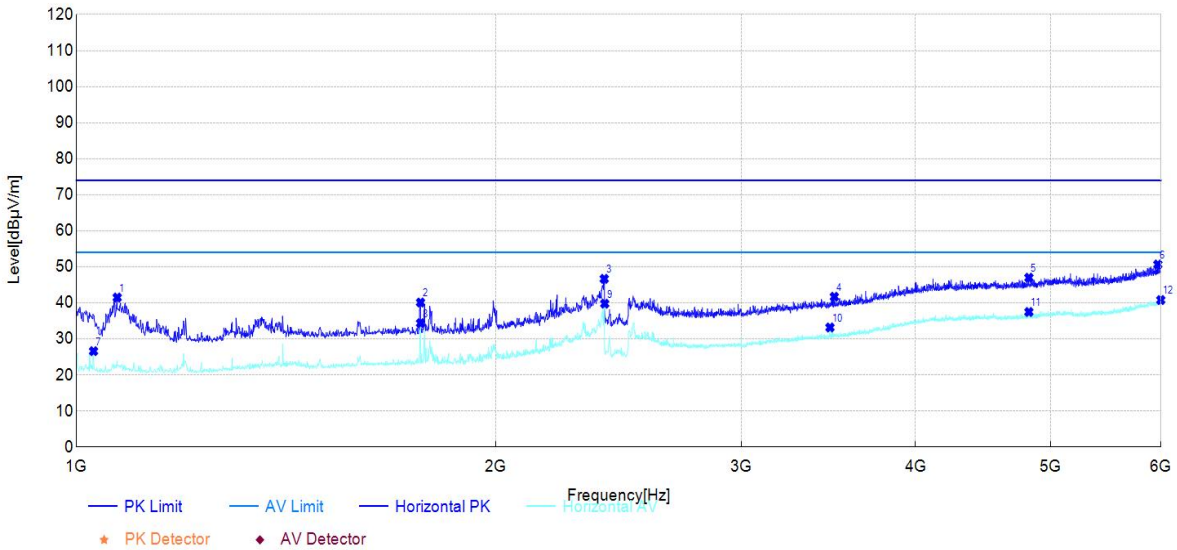
(1) Level=Reading + Factor

(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

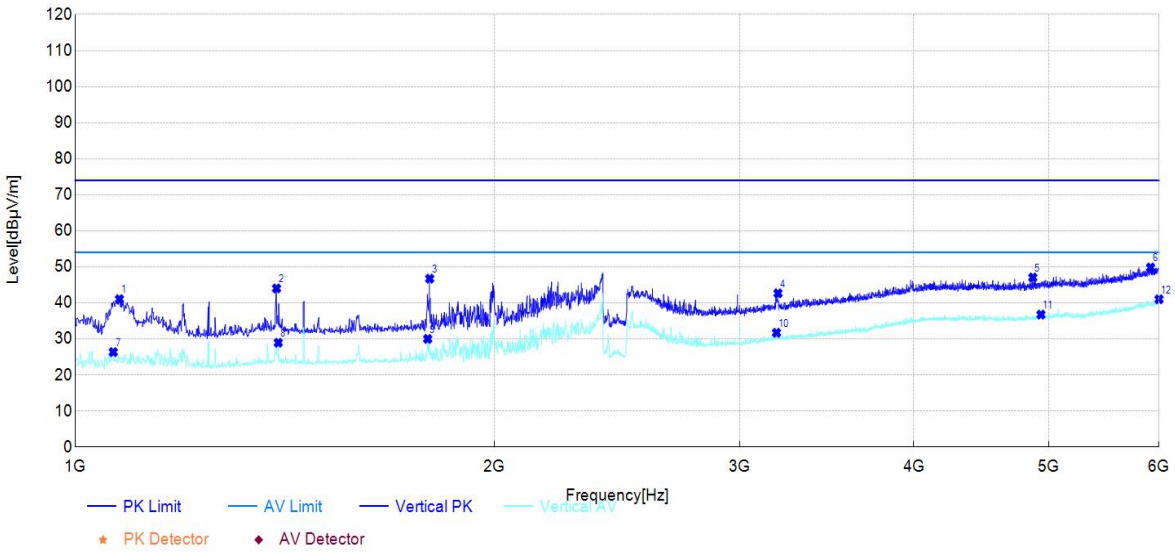
Test Mode:	802.11b	Test Date:	2024-05-20
Test Channel:	01	Test Engineer:	Stone Zhang



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	1070.00	65.46	41.49	-23.97	74.00	32.51	150	32	PK	Horizontal	PASS
2	1766.00	59.88	40.11	-19.77	74.00	33.89	150	91	PK	Horizontal	PASS
3	2392.00	63.02	46.68	-16.34	74.00	27.32	150	55	PK	Horizontal	PASS
4	3498.00	54.07	41.70	-12.37	74.00	32.30	150	77	PK	Horizontal	PASS
5	4824.00	53.70	46.98	-6.72	74.00	27.02	150	189	PK	Horizontal	PASS
6	5969.00	55.61	50.66	-4.95	74.00	23.34	150	91	PK	Horizontal	PASS
7	1029.00	50.75	26.61	-24.14	54.00	27.39	150	29	AV	Horizontal	PASS
8	1766.00	54.13	34.36	-19.77	54.00	19.64	150	91	AV	Horizontal	PASS
9	2394.00	56.11	39.78	-16.33	54.00	14.22	150	66	AV	Horizontal	PASS
10	3473.00	45.66	33.18	-12.48	54.00	20.82	150	259	AV	Horizontal	PASS
11	4824.00	44.20	37.48	-6.72	54.00	16.52	150	189	AV	Horizontal	PASS
12	5998.00	45.70	40.79	-4.91	54.00	13.21	150	146	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

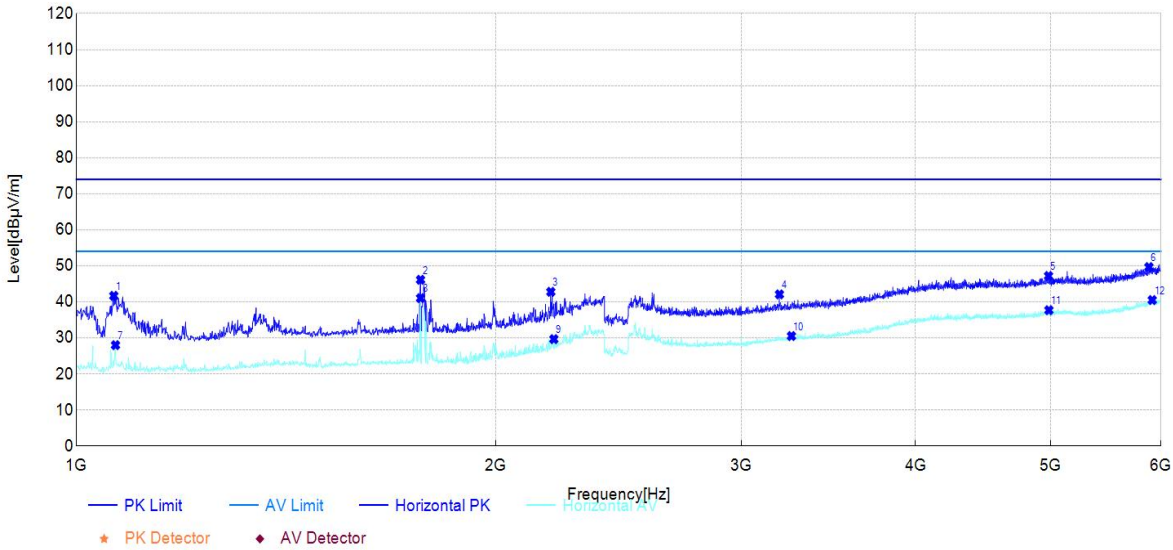


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1076.00	63.92	41.03	-22.89	74.00	32.97	150	162	PK	Vertical	PASS
2	1395.00	65.38	44.02	-21.36	74.00	29.98	150	93	PK	Vertical	PASS
3	1797.00	65.67	46.72	-18.95	74.00	27.28	150	97	PK	Vertical	PASS
4	3196.00	55.85	42.67	-13.18	74.00	31.33	150	75	PK	Vertical	PASS
5	4870.00	54.22	47.04	-7.18	74.00	26.96	150	351	PK	Vertical	PASS
6	5917.00	54.95	49.82	-5.13	74.00	24.18	150	329	PK	Vertical	PASS
7	1065.00	49.28	26.35	-22.93	54.00	27.65	150	227	AV	Vertical	PASS
8	1399.00	50.27	28.94	-21.33	54.00	25.06	150	100	AV	Vertical	PASS
9	1791.00	49.00	30.01	-18.99	54.00	23.99	150	264	AV	Vertical	PASS
10	3188.00	44.93	31.70	-13.23	54.00	22.30	150	79	AV	Vertical	PASS
11	4936.00	43.73	36.75	-6.98	54.00	17.25	150	144	AV	Vertical	PASS
12	6000.00	46.00	40.99	-5.01	54.00	13.01	150	86	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

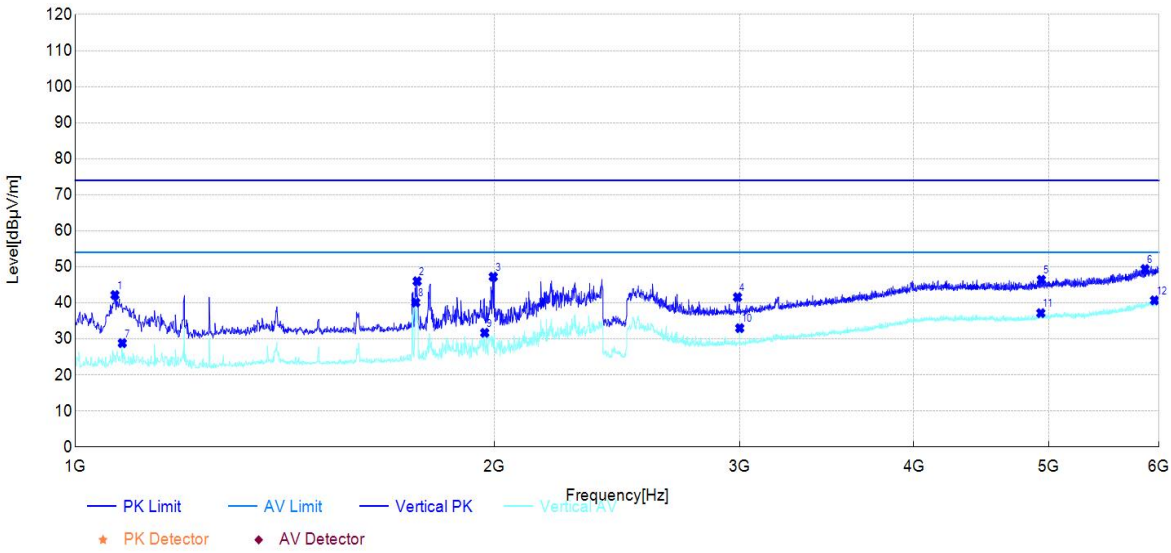
Test Mode:	802.11b	Test Date:	2024-05-20
Test Channel:	06	Test Engineer:	Stone Zhang



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	1064.00	65.68	41.68	-24.00	74.00	32.32	150	36	PK	Horizontal	PASS
2	1766.00	65.90	46.13	-19.77	74.00	27.87	150	360	PK	Horizontal	PASS
3	2190.00	60.03	42.78	-17.25	74.00	31.22	150	142	PK	Horizontal	PASS
4	3195.00	55.71	42.09	-13.62	74.00	31.91	150	0	PK	Horizontal	PASS
5	4983.00	53.30	47.20	-6.10	74.00	26.80	150	54	PK	Horizontal	PASS
6	5882.00	54.76	49.66	-5.10	74.00	24.34	150	40	PK	Horizontal	PASS
7	1067.00	51.98	28.00	-23.98	54.00	26.00	150	47	AV	Horizontal	PASS
8	1766.00	60.81	41.04	-19.77	54.00	12.96	150	360	AV	Horizontal	PASS
9	2201.00	46.87	29.66	-17.21	54.00	24.34	150	51	AV	Horizontal	PASS
10	3259.00	43.85	30.53	-13.32	54.00	23.47	150	22	AV	Horizontal	PASS
11	4986.00	43.79	37.70	-6.09	54.00	16.30	150	259	AV	Horizontal	PASS
12	5914.00	45.56	40.51	-5.05	54.00	13.49	150	338	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

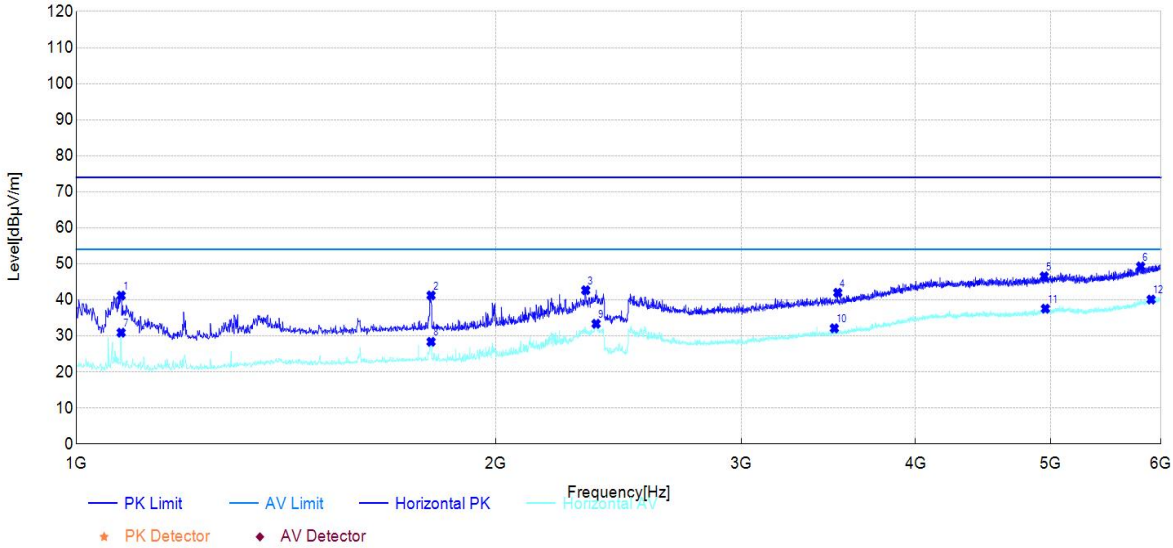


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1068.00	65.10	42.18	-22.92	74.00	31.82	150	120	PK	Vertical	PASS
2	1760.00	65.24	46.01	-19.23	74.00	27.99	150	274	PK	Vertical	PASS
3	1996.00	65.04	47.25	-17.79	74.00	26.75	150	80	PK	Vertical	PASS
4	2989.00	55.96	41.58	-14.38	74.00	32.42	150	329	PK	Vertical	PASS
5	4939.00	53.38	46.42	-6.96	74.00	27.58	150	190	PK	Vertical	PASS
6	5863.00	54.61	49.39	-5.22	74.00	24.61	150	241	PK	Vertical	PASS
7	1081.00	51.70	28.83	-22.87	54.00	25.17	150	6	AV	Vertical	PASS
8	1756.00	59.35	40.09	-19.26	54.00	13.91	150	200	AV	Vertical	PASS
9	1968.00	49.71	31.69	-18.02	54.00	22.31	150	88	AV	Vertical	PASS
10	3000.00	47.34	32.99	-14.35	54.00	21.01	150	77	AV	Vertical	PASS
11	4935.00	44.14	37.16	-6.98	54.00	16.84	150	103	AV	Vertical	PASS
12	5955.00	45.78	40.70	-5.08	54.00	13.30	150	183	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

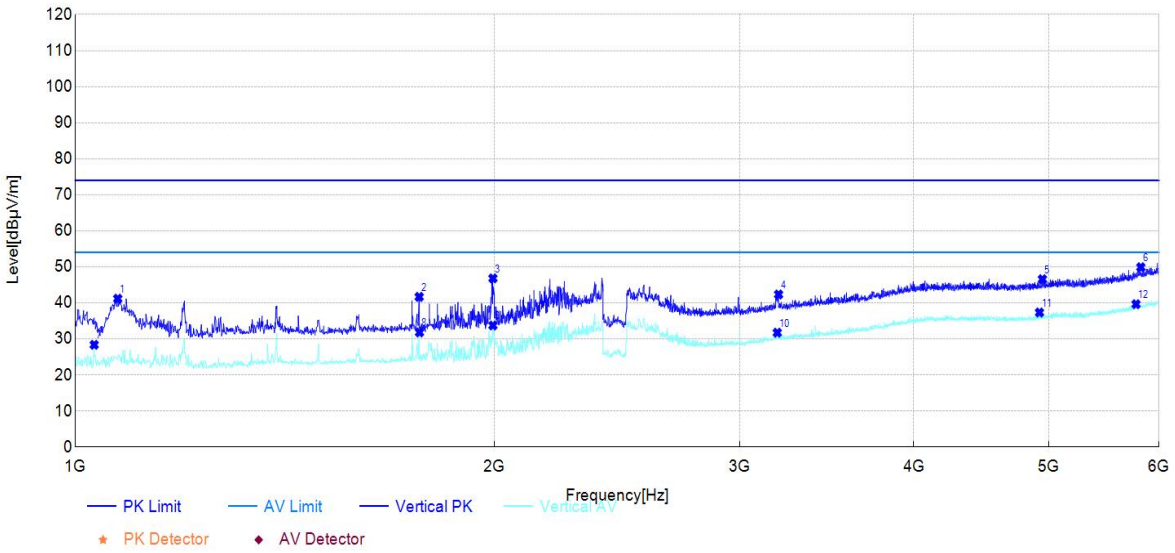
Test Mode:	802.11b	Test Date:	2024-05-20
Test Channel:	11	Test Engineer:	Stone Zhang



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	1077.00	65.14	41.20	-23.94	74.00	32.80	150	36	PK	Horizontal	PASS
2	1797.00	60.75	41.24	-19.51	74.00	32.76	150	66	PK	Horizontal	PASS
3	2320.00	59.41	42.68	-16.73	74.00	31.32	150	59	PK	Horizontal	PASS
4	3518.00	54.20	41.98	-12.22	74.00	32.02	150	231	PK	Horizontal	PASS
5	4948.00	52.80	46.53	-6.27	74.00	27.47	150	59	PK	Horizontal	PASS
6	5802.00	54.56	49.28	-5.28	74.00	24.72	150	327	PK	Horizontal	PASS
7	1077.00	54.85	30.91	-23.94	54.00	23.09	150	36	AV	Horizontal	PASS
8	1797.00	47.88	28.37	-19.51	54.00	25.63	150	69	AV	Horizontal	PASS
9	2360.00	49.88	33.36	-16.52	54.00	20.64	150	66	AV	Horizontal	PASS
10	3498.00	44.48	32.11	-12.37	54.00	21.89	150	114	AV	Horizontal	PASS
11	4957.00	43.78	37.56	-6.22	54.00	16.44	150	153	AV	Horizontal	PASS
12	5903.00	45.16	40.09	-5.07	54.00	13.91	150	8	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

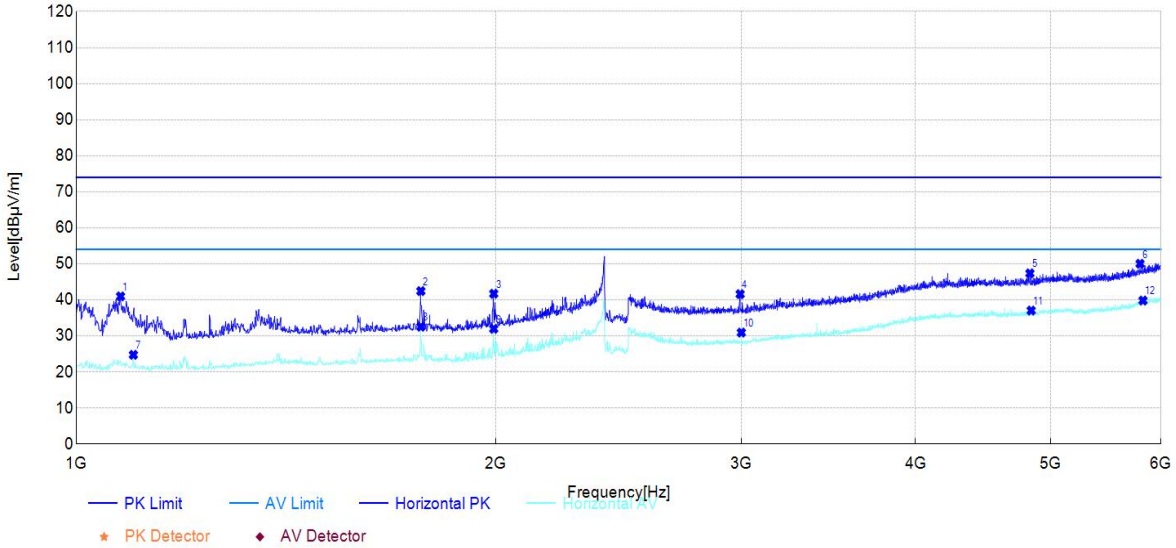


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1073.00	64.07	41.17	-22.90	74.00	32.83	150	137	PK	Vertical	PASS
2	1766.00	60.86	41.67	-19.19	74.00	32.33	150	189	PK	Vertical	PASS
3	1995.00	64.61	46.81	-17.80	74.00	27.19	150	93	PK	Vertical	PASS
4	3199.00	55.50	42.34	-13.16	74.00	31.66	150	79	PK	Vertical	PASS
5	4948.00	53.49	46.57	-6.92	74.00	27.43	150	359	PK	Vertical	PASS
6	5822.00	55.19	49.89	-5.30	74.00	24.11	150	61	PK	Vertical	PASS
7	1032.00	51.41	28.37	-23.04	54.00	25.63	150	75	AV	Vertical	PASS
8	1767.00	50.98	31.81	-19.17	54.00	22.19	150	189	AV	Vertical	PASS
9	1995.00	51.54	33.74	-17.80	54.00	20.26	150	93	AV	Vertical	PASS
10	3192.00	44.94	31.73	-13.21	54.00	22.27	150	86	AV	Vertical	PASS
11	4924.00	44.36	37.33	-7.03	54.00	16.67	150	349	AV	Vertical	PASS
12	5776.00	45.05	39.64	-5.41	54.00	14.36	150	334	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

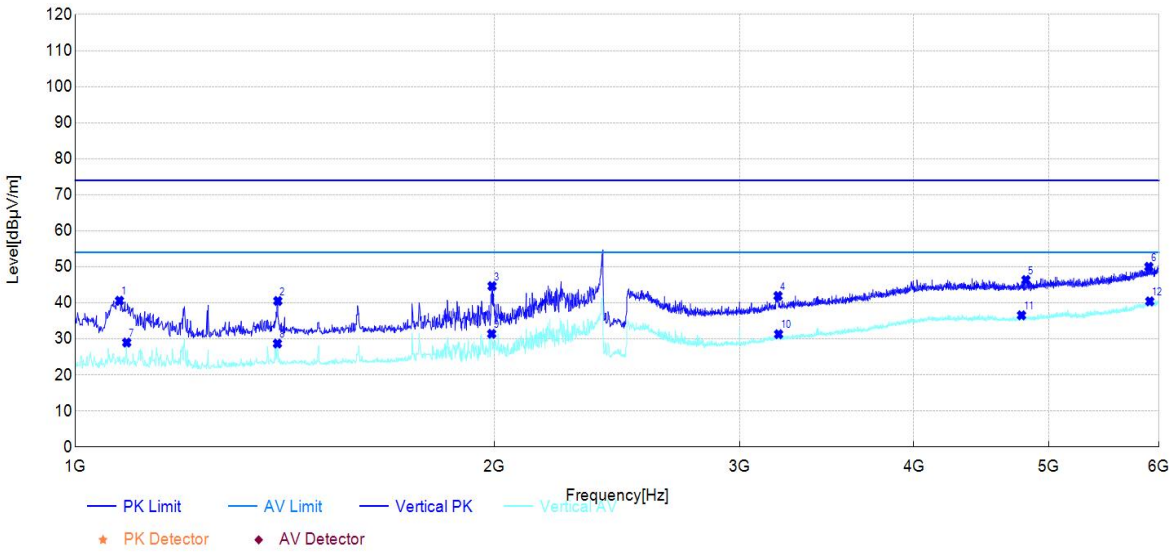
Test Mode:	802.11g	Test Date:	2024-05-20
Test Channel:	01	Test Engineer:	Stone Zhang



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	1076.00	64.92	40.98	-23.94	74.00	33.02	150	35	PK	Horizontal	PASS
2	1767.00	62.20	42.44	-19.76	74.00	31.56	150	327	PK	Horizontal	PASS
3	1993.00	59.93	41.71	-18.22	74.00	32.29	150	137	PK	Horizontal	PASS
4	2994.00	56.16	41.60	-14.56	74.00	32.40	150	42	PK	Horizontal	PASS
5	4832.00	54.06	47.36	-6.70	74.00	26.64	150	320	PK	Horizontal	PASS
6	5796.00	55.32	50.03	-5.29	74.00	23.97	150	312	PK	Horizontal	PASS
7	1099.00	48.60	24.76	-23.84	54.00	29.24	150	189	AV	Horizontal	PASS
8	1767.00	52.32	32.56	-19.76	54.00	21.44	150	327	AV	Horizontal	PASS
9	1993.00	50.19	31.97	-18.22	54.00	22.03	150	160	AV	Horizontal	PASS
10	3000.00	45.47	30.92	-14.55	54.00	23.08	150	57	AV	Horizontal	PASS
11	4842.00	43.71	37.04	-6.67	54.00	16.96	150	1	AV	Horizontal	PASS
12	5824.00	45.05	39.82	-5.23	54.00	14.18	150	262	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

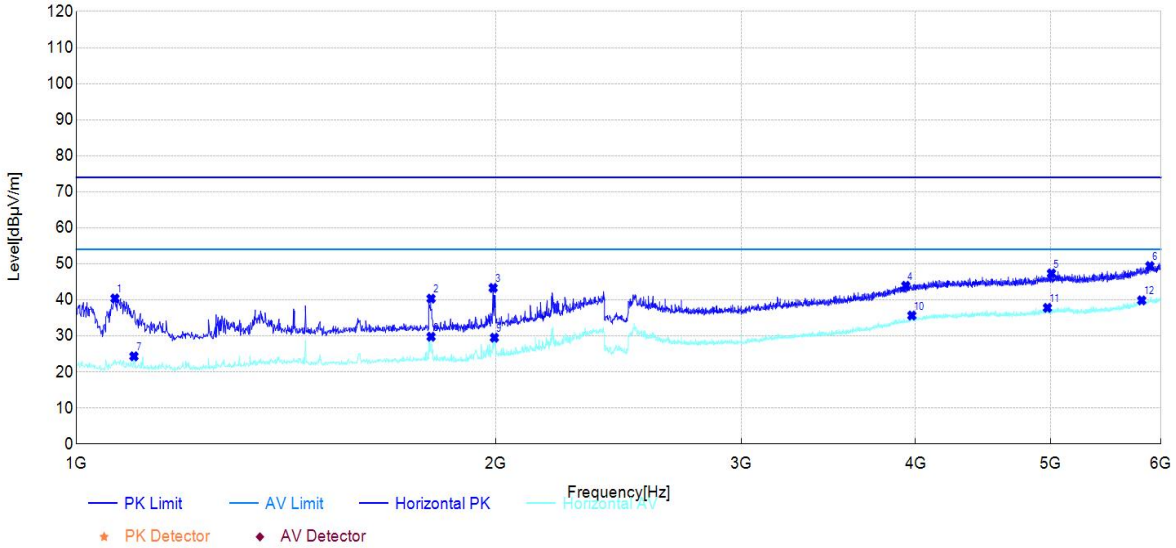


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1076.00	63.49	40.60	-22.89	74.00	33.40	150	167	PK	Vertical	PASS
2	1398.00	61.87	40.53	-21.34	74.00	33.47	150	69	PK	Vertical	PASS
3	1992.00	62.48	44.66	-17.82	74.00	29.34	150	105	PK	Vertical	PASS
4	3196.00	55.11	41.93	-13.18	74.00	32.07	150	58	PK	Vertical	PASS
5	4815.00	53.66	46.36	-7.30	74.00	27.64	150	29	PK	Vertical	PASS
6	5900.00	55.16	50.01	-5.15	74.00	23.99	150	323	PK	Vertical	PASS
7	1089.00	51.83	28.99	-22.84	54.00	25.01	150	137	AV	Vertical	PASS
8	1397.00	50.06	28.71	-21.35	54.00	25.29	150	94	AV	Vertical	PASS
9	1991.00	49.25	31.41	-17.84	54.00	22.59	150	123	AV	Vertical	PASS
10	3199.00	44.47	31.31	-13.16	54.00	22.69	150	69	AV	Vertical	PASS
11	4780.00	43.92	36.56	-7.36	54.00	17.44	150	357	AV	Vertical	PASS
12	5909.00	45.55	40.42	-5.13	54.00	13.58	150	352	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

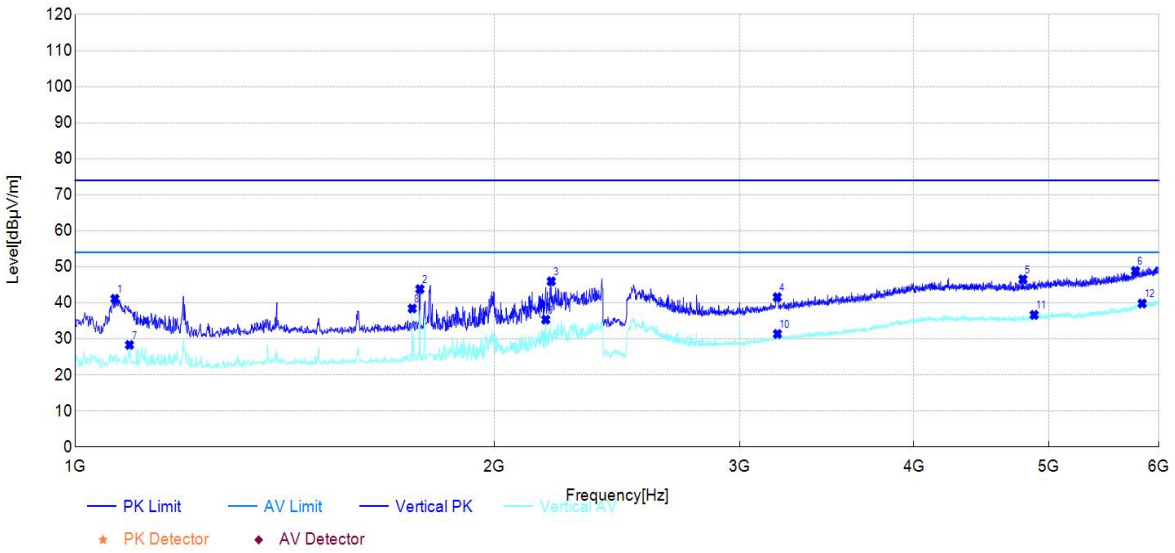
Test Mode:	802.11g	Test Date:	2024-05-20
Test Channel:	06	Test Engineer:	Stone Zhang



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	64.39	40.40	-23.99	74.00	33.60	150	31	PK	Horizontal	PASS
2	1797.00	59.86	40.35	-19.51	74.00	33.65	150	81	PK	Horizontal	PASS
3	1991.00	61.56	43.32	-18.24	74.00	30.68	150	140	PK	Horizontal	PASS
4	3936.00	52.92	43.91	-9.01	74.00	30.09	150	191	PK	Horizontal	PASS
5	5007.00	53.37	47.35	-6.02	74.00	26.65	150	0	PK	Horizontal	PASS
6	5891.00	54.48	49.39	-5.09	74.00	24.61	150	0	PK	Horizontal	PASS
7	1100.00	48.18	24.34	-23.84	54.00	29.66	150	27	AV	Horizontal	PASS
8	1797.00	49.29	29.78	-19.51	54.00	24.22	150	81	AV	Horizontal	PASS
9	1995.00	47.71	29.51	-18.20	54.00	24.49	150	168	AV	Horizontal	PASS
10	3976.00	44.41	35.66	-8.75	54.00	18.34	150	232	AV	Horizontal	PASS
11	4974.00	43.93	37.78	-6.15	54.00	16.22	150	103	AV	Horizontal	PASS
12	5812.00	45.11	39.86	-5.25	54.00	14.14	150	129	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

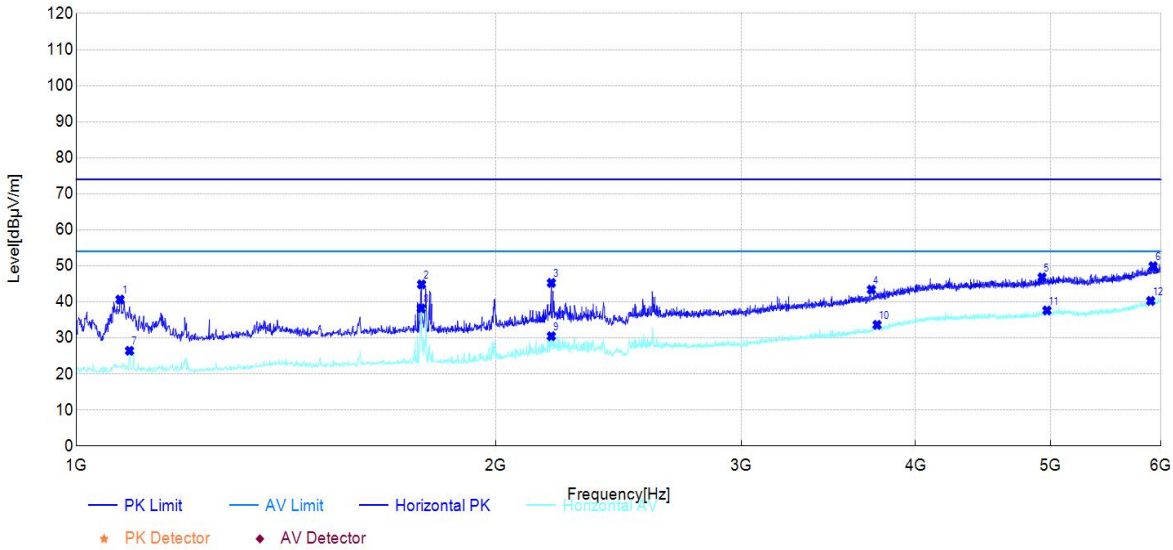


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1068.00	64.07	41.15	-22.92	74.00	32.85	150	166	PK	Vertical	PASS
2	1768.00	62.98	43.81	-19.17	74.00	30.19	150	3	PK	Vertical	PASS
3	2197.00	63.08	45.98	-17.10	74.00	28.02	150	92	PK	Vertical	PASS
4	3192.00	54.80	41.59	-13.21	74.00	32.41	150	74	PK	Vertical	PASS
5	4791.00	53.89	46.54	-7.35	74.00	27.46	150	85	PK	Vertical	PASS
6	5771.00	54.33	48.89	-5.44	74.00	25.11	150	166	PK	Vertical	PASS
7	1094.00	51.15	28.33	-22.82	54.00	25.67	150	147	AV	Vertical	PASS
8	1746.00	57.78	38.44	-19.34	54.00	15.56	150	268	AV	Vertical	PASS
9	2177.00	52.52	35.36	-17.16	54.00	18.64	150	100	AV	Vertical	PASS
10	3193.00	44.59	31.38	-13.21	54.00	22.62	150	52	AV	Vertical	PASS
11	4881.00	43.83	36.67	-7.16	54.00	17.33	150	359	AV	Vertical	PASS
12	5835.00	45.09	39.82	-5.27	54.00	14.18	150	272	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

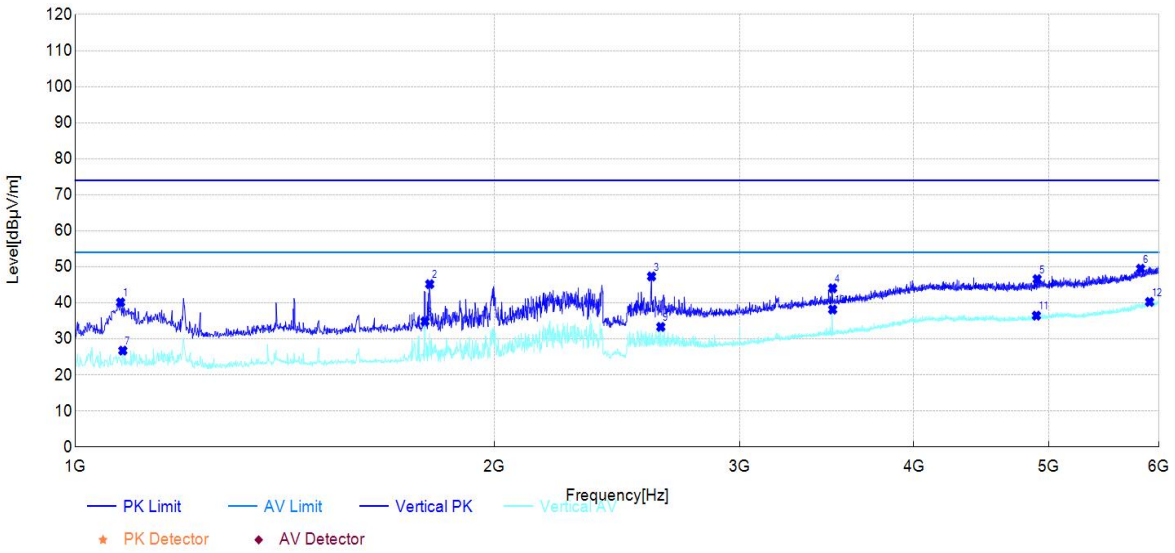
Test Mode:	802.11g	Test Date:	2024-05-20
Test Channel:	11	Test Engineer:	Stone Zhang



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	1075.00	64.59	40.65	-23.94	74.00	33.35	150	33	PK	Horizontal	PASS
2	1769.00	64.60	44.85	-19.75	74.00	29.15	150	328	PK	Horizontal	PASS
3	2192.00	62.52	45.27	-17.25	74.00	28.73	150	40	PK	Horizontal	PASS
4	3719.00	54.28	43.40	-10.88	74.00	30.60	150	222	PK	Horizontal	PASS
5	4930.00	53.17	46.82	-6.35	74.00	27.18	150	146	PK	Horizontal	PASS
6	5922.00	54.94	49.91	-5.03	74.00	24.09	150	305	PK	Horizontal	PASS
7	1092.00	50.30	26.42	-23.88	54.00	27.58	150	37	AV	Horizontal	PASS
8	1768.00	57.94	38.19	-19.75	54.00	15.81	150	328	AV	Horizontal	PASS
9	2192.00	47.73	30.48	-17.25	54.00	23.52	150	40	AV	Horizontal	PASS
10	3754.00	44.20	33.62	-10.58	54.00	20.38	150	229	AV	Horizontal	PASS
11	4970.00	43.78	37.61	-6.17	54.00	16.39	150	6	AV	Horizontal	PASS
12	5899.00	45.34	40.27	-5.07	54.00	13.73	150	1	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

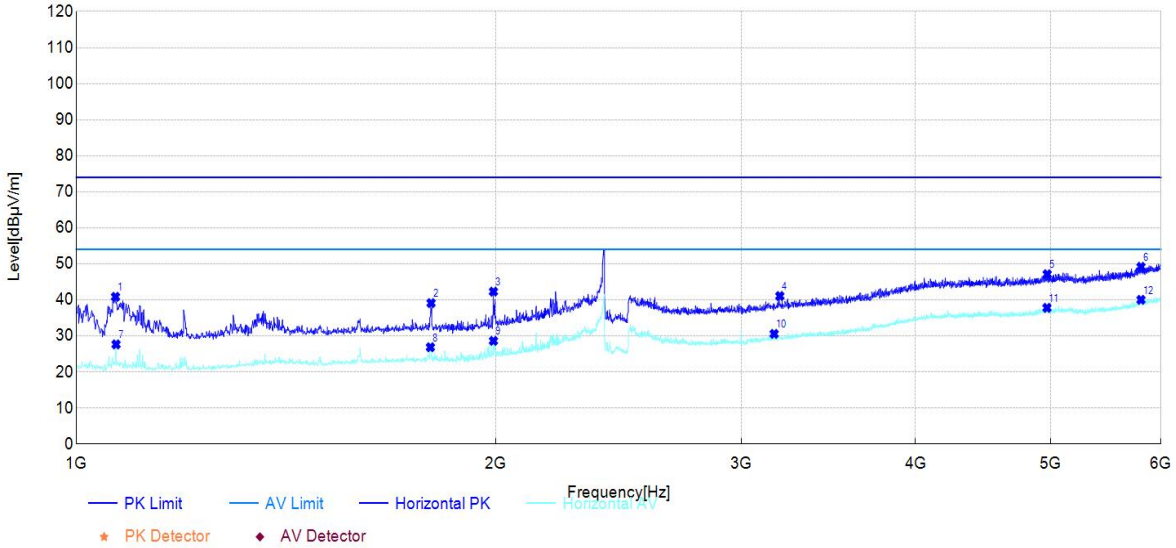


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1078.00	63.03	40.15	-22.88	74.00	33.85	150	167	PK	Vertical	PASS
2	1797.00	64.15	45.20	-18.95	74.00	28.80	150	61	PK	Vertical	PASS
3	2593.00	63.11	47.35	-15.76	74.00	26.65	150	58	PK	Vertical	PASS
4	3498.00	55.64	44.06	-11.58	74.00	29.94	150	239	PK	Vertical	PASS
5	4905.00	53.70	46.60	-7.10	74.00	27.40	150	54	PK	Vertical	PASS
6	5820.00	54.78	49.48	-5.30	74.00	24.52	150	119	PK	Vertical	PASS
7	1082.00	49.61	26.75	-22.86	54.00	27.25	150	167	AV	Vertical	PASS
8	1783.00	53.92	34.87	-19.05	54.00	19.13	150	112	AV	Vertical	PASS
9	2633.00	48.92	33.33	-15.59	54.00	20.67	150	257	AV	Vertical	PASS
10	3498.00	49.73	38.15	-11.58	54.00	15.85	150	239	AV	Vertical	PASS
11	4899.00	43.58	36.46	-7.12	54.00	17.54	150	130	AV	Vertical	PASS
12	5907.00	45.41	40.27	-5.14	54.00	13.73	150	360	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

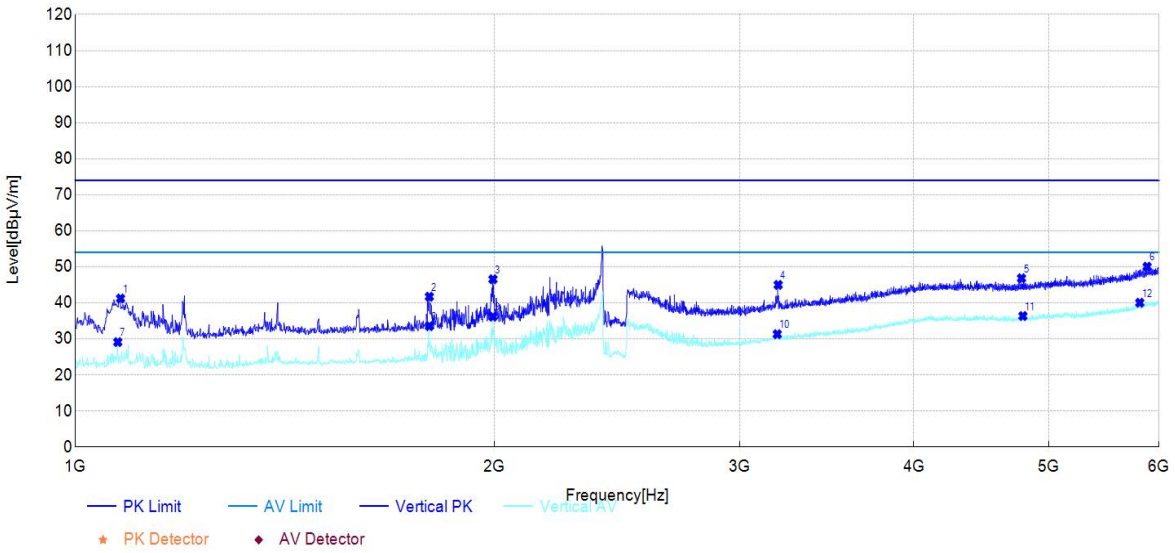
Test Mode:	802.11n-HT20	Test Date:	2024-05-20
Test Channel:	01	Test Engineer:	Stone Zhang



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	1067.00	64.83	40.85	-23.98	74.00	33.15	150	32	PK	Horizontal	PASS
2	1797.00	58.62	39.11	-19.51	74.00	34.89	150	135	PK	Horizontal	PASS
3	1992.00	60.52	42.29	-18.23	74.00	31.71	150	135	PK	Horizontal	PASS
4	3197.00	54.68	41.06	-13.62	74.00	32.94	150	28	PK	Horizontal	PASS
5	4972.00	53.27	47.12	-6.15	74.00	26.88	150	278	PK	Horizontal	PASS
6	5805.00	54.45	49.18	-5.27	74.00	24.82	150	186	PK	Horizontal	PASS
7	1068.00	51.63	27.65	-23.98	54.00	26.35	150	117	AV	Horizontal	PASS
8	1795.00	46.38	26.86	-19.52	54.00	27.14	150	94	AV	Horizontal	PASS
9	1992.00	46.86	28.63	-18.23	54.00	25.37	150	102	AV	Horizontal	PASS
10	3167.00	44.33	30.57	-13.76	54.00	23.43	150	308	AV	Horizontal	PASS
11	4970.00	43.96	37.79	-6.17	54.00	16.21	150	211	AV	Horizontal	PASS
12	5805.00	45.30	40.03	-5.27	54.00	13.97	150	84	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

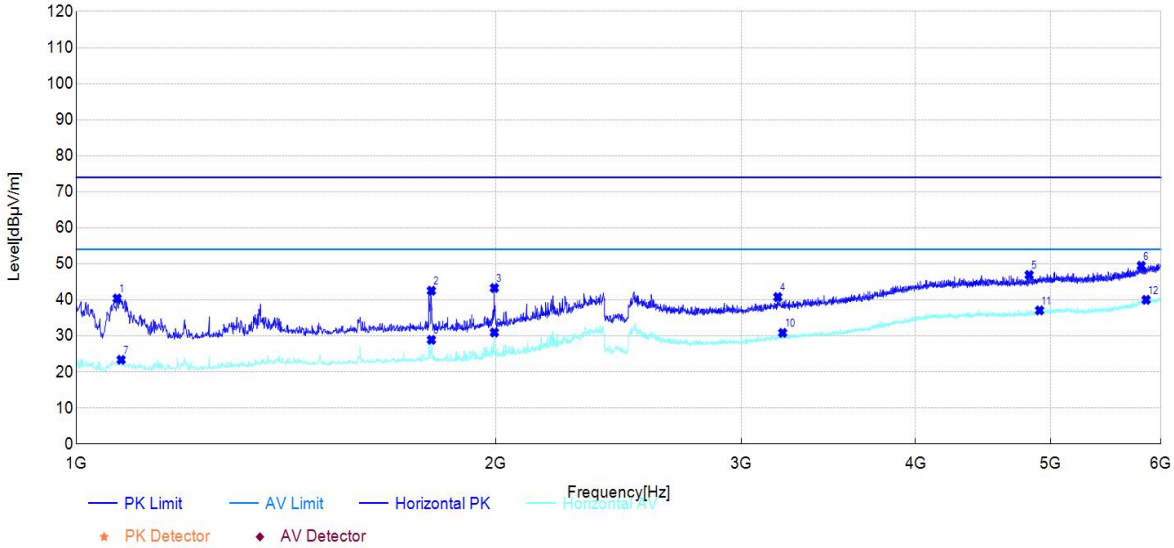


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1078.00	64.10	41.22	-22.88	74.00	32.78	150	173	PK	Vertical	PASS
2	1796.00	60.67	41.72	-18.95	74.00	32.28	150	264	PK	Vertical	PASS
3	1995.00	64.36	46.56	-17.80	74.00	27.44	150	88	PK	Vertical	PASS
4	3197.00	58.18	45.00	-13.18	74.00	29.00	150	113	PK	Vertical	PASS
5	4780.00	54.19	46.83	-7.36	74.00	27.17	150	286	PK	Vertical	PASS
6	5883.00	55.22	50.04	-5.18	74.00	23.96	150	319	PK	Vertical	PASS
7	1073.00	52.02	29.12	-22.90	54.00	24.88	150	136	AV	Vertical	PASS
8	1796.00	52.51	33.56	-18.95	54.00	20.44	150	261	AV	Vertical	PASS
9	1995.00	53.97	36.17	-17.80	54.00	17.83	150	88	AV	Vertical	PASS
10	3192.00	44.53	31.32	-13.21	54.00	22.68	150	80	AV	Vertical	PASS
11	4791.00	43.71	36.36	-7.35	54.00	17.64	150	243	AV	Vertical	PASS
12	5812.00	45.35	40.04	-5.31	54.00	13.96	150	334	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

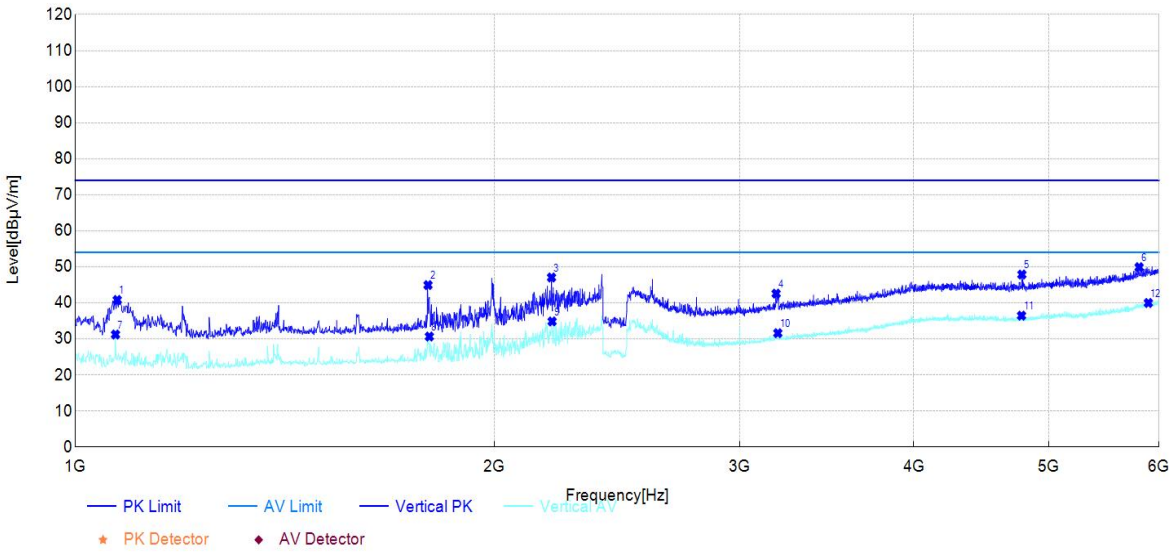
Test Mode:	802.11n-HT20	Test Date:	2024-05-20
Test Channel:	06	Test Engineer:	Stone Zhang



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	1070.00	64.37	40.40	-23.97	74.00	33.60	150	34	PK	Horizontal	PASS
2	1798.00	62.04	42.54	-19.50	74.00	31.46	150	66	PK	Horizontal	PASS
3	1995.00	61.50	43.30	-18.20	74.00	30.70	150	142	PK	Horizontal	PASS
4	3186.00	54.45	40.78	-13.67	74.00	33.22	150	360	PK	Horizontal	PASS
5	4826.00	53.62	46.91	-6.71	74.00	27.09	150	62	PK	Horizontal	PASS
6	5808.00	54.73	49.47	-5.26	74.00	24.53	150	26	PK	Horizontal	PASS
7	1077.00	47.31	23.37	-23.94	54.00	30.63	150	41	AV	Horizontal	PASS
8	1798.00	48.42	28.92	-19.50	54.00	25.08	150	164	AV	Horizontal	PASS
9	1995.00	49.16	30.96	-18.20	54.00	23.04	150	142	AV	Horizontal	PASS
10	3212.00	44.38	30.84	-13.54	54.00	23.16	150	124	AV	Horizontal	PASS
11	4910.00	43.53	37.08	-6.45	54.00	16.92	150	132	AV	Horizontal	PASS
12	5854.00	45.19	40.02	-5.17	54.00	13.98	150	288	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

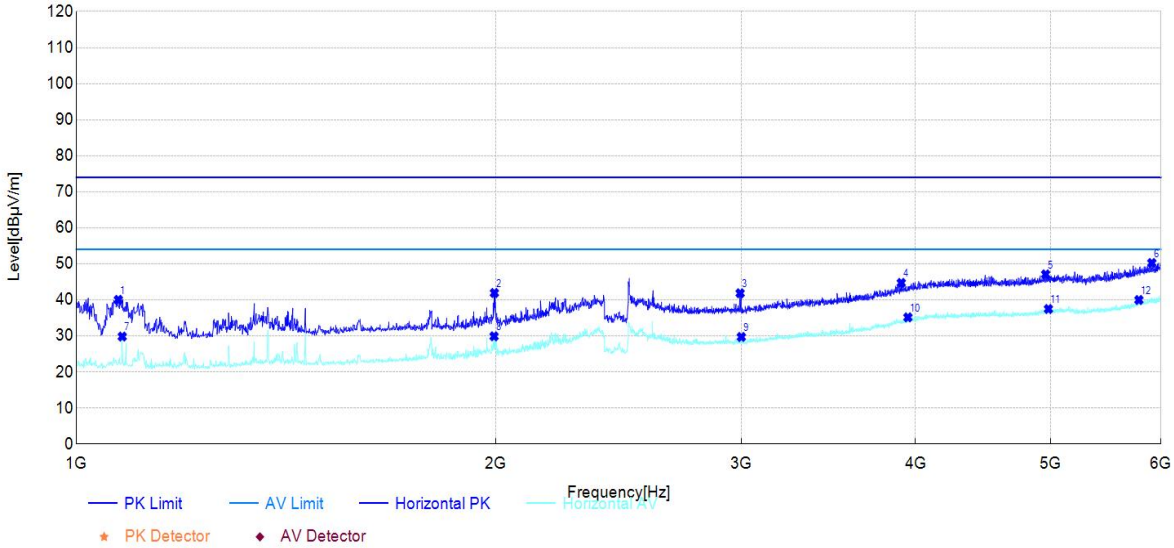


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1072.00	63.71	40.81	-22.90	74.00	33.19	150	64	PK	Vertical	PASS
2	1792.00	63.92	44.94	-18.98	74.00	29.06	150	87	PK	Vertical	PASS
3	2198.00	64.14	47.05	-17.09	74.00	26.95	150	98	PK	Vertical	PASS
4	3186.00	55.82	42.57	-13.25	74.00	31.43	150	54	PK	Vertical	PASS
5	4783.00	55.22	47.87	-7.35	74.00	26.13	150	298	PK	Vertical	PASS
6	5806.00	55.24	49.91	-5.33	74.00	24.09	150	186	PK	Vertical	PASS
7	1069.00	54.14	31.23	-22.91	54.00	22.77	150	10	AV	Vertical	PASS
8	1796.00	49.61	30.66	-18.95	54.00	23.34	150	87	AV	Vertical	PASS
9	2200.00	51.94	34.85	-17.09	54.00	19.15	150	94	AV	Vertical	PASS
10	3195.00	44.79	31.60	-13.19	54.00	22.40	150	76	AV	Vertical	PASS
11	4780.00	43.82	36.46	-7.36	54.00	17.54	150	126	AV	Vertical	PASS
12	5895.00	45.14	39.98	-5.16	54.00	14.02	150	163	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

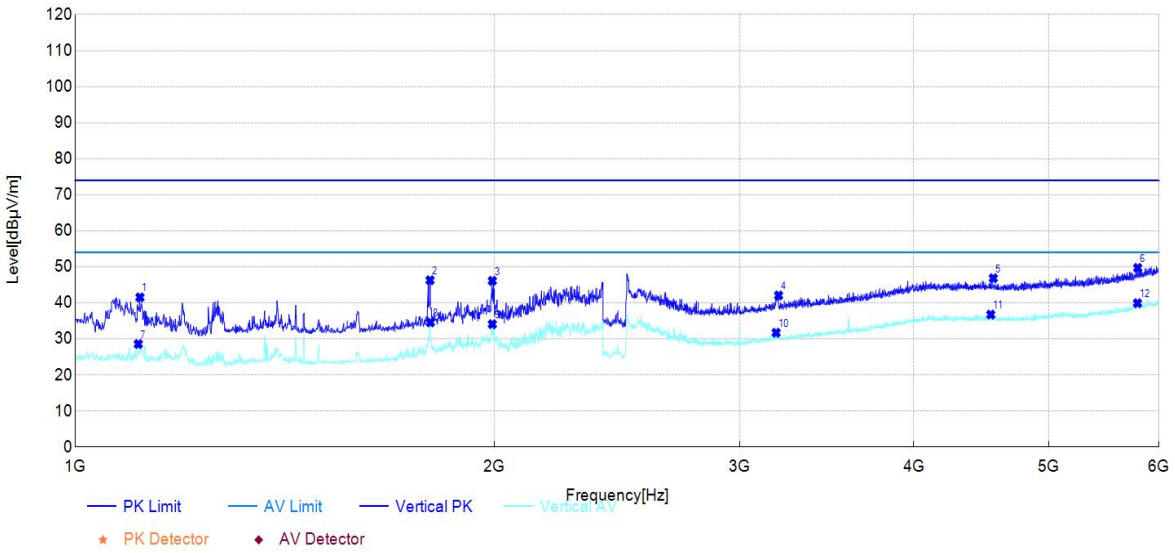
Test Mode:	802.11n-HT20	Test Date:	2024-05-20
Test Channel:	11	Test Engineer:	Stone Zhang



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	1072.00	63.98	40.02	-23.96	74.00	33.98	150	108	PK	Horizontal	PASS
2	1995.00	60.12	41.92	-18.20	74.00	32.08	150	59	PK	Horizontal	PASS
3	2994.00	56.40	41.84	-14.56	74.00	32.16	150	45	PK	Horizontal	PASS
4	3907.00	53.92	44.71	-9.21	74.00	29.29	150	31	PK	Horizontal	PASS
5	4959.00	53.30	47.08	-6.22	74.00	26.92	150	129	PK	Horizontal	PASS
6	5910.00	55.29	50.24	-5.05	74.00	23.76	150	271	PK	Horizontal	PASS
7	1079.00	53.75	29.82	-23.93	54.00	24.18	150	23	AV	Horizontal	PASS
8	1994.00	48.11	29.89	-18.22	54.00	24.11	150	140	AV	Horizontal	PASS
9	3000.00	44.26	29.71	-14.55	54.00	24.29	150	59	AV	Horizontal	PASS
10	3950.00	44.07	35.15	-8.92	54.00	18.85	150	0	AV	Horizontal	PASS
11	4982.00	43.58	37.47	-6.11	54.00	16.53	150	260	AV	Horizontal	PASS
12	5785.00	45.31	39.98	-5.33	54.00	14.02	150	296	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level



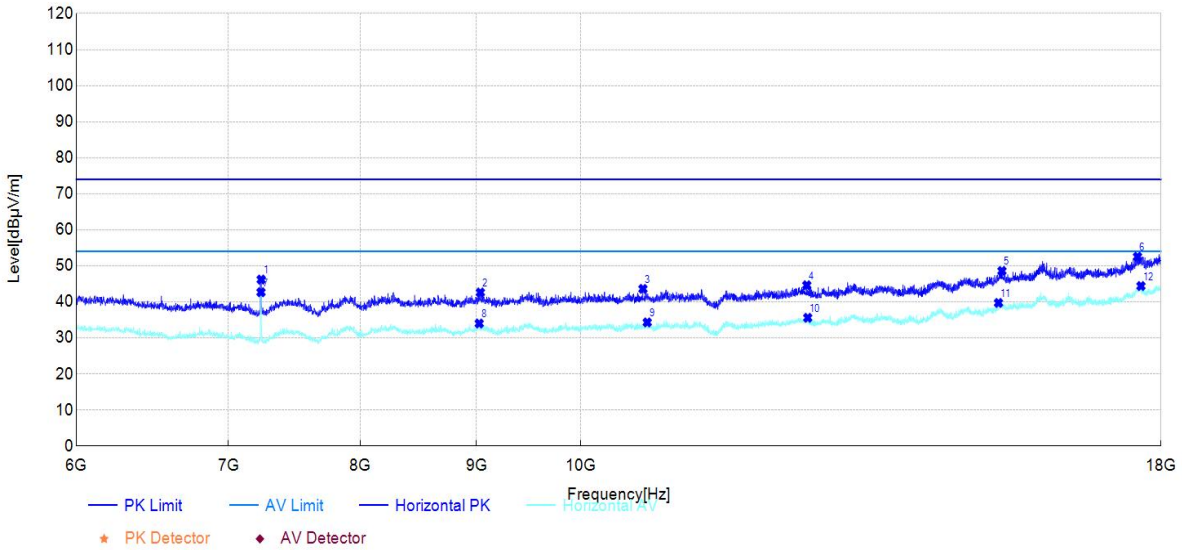
Suspected Data List											
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	1113.00	64.29	41.53	-22.76	74.00	32.47	150	309	PK	Vertical	PASS
2	1798.00	65.23	46.29	-18.94	74.00	27.71	150	97	PK	Vertical	PASS
3	1993.00	63.95	46.13	-17.82	74.00	27.87	150	79	PK	Vertical	PASS
4	3199.00	55.22	42.06	-13.16	74.00	31.94	150	54	PK	Vertical	PASS
5	4562.00	54.30	46.85	-7.45	74.00	27.15	150	358	PK	Vertical	PASS
6	5792.00	55.07	49.71	-5.36	74.00	24.29	150	203	PK	Vertical	PASS
7	1110.00	51.35	28.58	-22.77	54.00	25.42	150	309	AV	Vertical	PASS
8	1799.00	53.51	34.58	-18.93	54.00	19.42	150	261	AV	Vertical	PASS
9	1993.00	51.91	34.09	-17.82	54.00	19.91	150	79	AV	Vertical	PASS
10	3186.00	44.96	31.71	-13.25	54.00	22.29	150	76	AV	Vertical	PASS
11	4543.00	44.24	36.75	-7.49	54.00	17.25	150	360	AV	Vertical	PASS
12	5790.00	45.30	39.92	-5.38	54.00	14.08	150	298	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

6GHz-18GHz

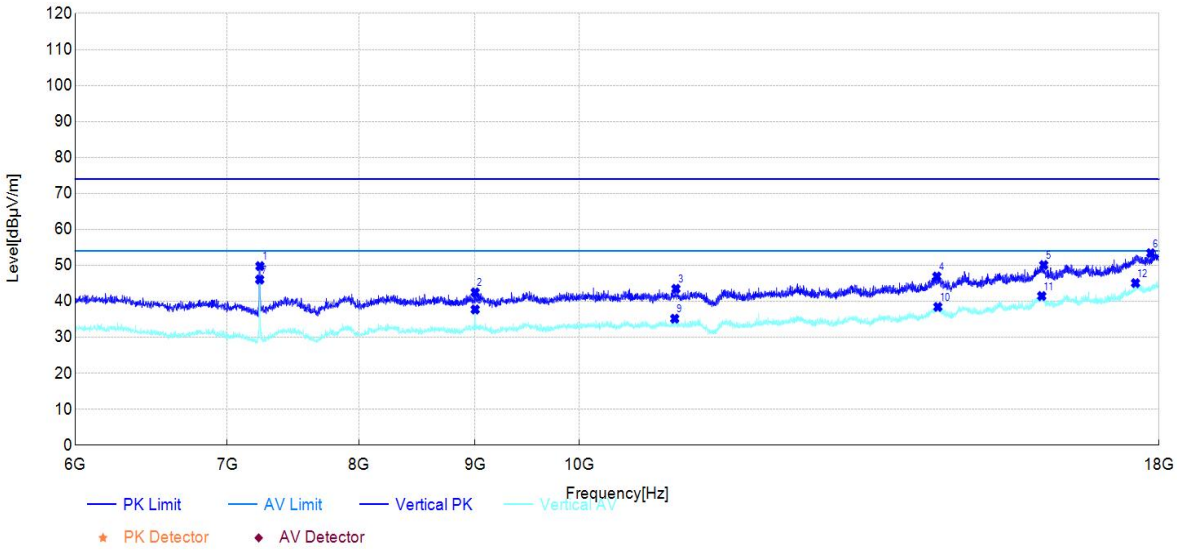
Test Mode:	802.11b	Test Date:	2024-05-20
Test Channel:	01	Test Engineer:	Stone Zhang



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	7236.00	50.11	46.19	-3.92	74.00	27.81	150	340	PK	Horizontal	PASS
2	9034.50	43.38	42.61	-0.77	74.00	31.39	150	301	PK	Horizontal	PASS
3	10651.50	43.00	43.60	0.60	74.00	30.40	150	77	PK	Horizontal	PASS
4	12574.50	42.32	44.62	2.30	74.00	29.38	150	216	PK	Horizontal	PASS
5	15322.50	41.38	48.58	7.20	74.00	25.42	150	317	PK	Horizontal	PASS
6	17577.00	38.77	52.53	13.76	74.00	21.47	150	333	PK	Horizontal	PASS
7	7234.50	46.61	42.68	-3.93	54.00	11.32	150	258	AV	Horizontal	PASS
8	9024.00	34.79	34.01	-0.78	54.00	19.99	150	81	AV	Horizontal	PASS
9	10698.00	33.83	34.31	0.48	54.00	19.69	150	185	AV	Horizontal	PASS
10	12586.50	33.31	35.59	2.28	54.00	18.41	150	209	AV	Horizontal	PASS
11	15268.50	32.97	39.71	6.74	54.00	14.29	150	173	AV	Horizontal	PASS
12	17638.50	30.66	44.40	13.74	54.00	9.60	150	138	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

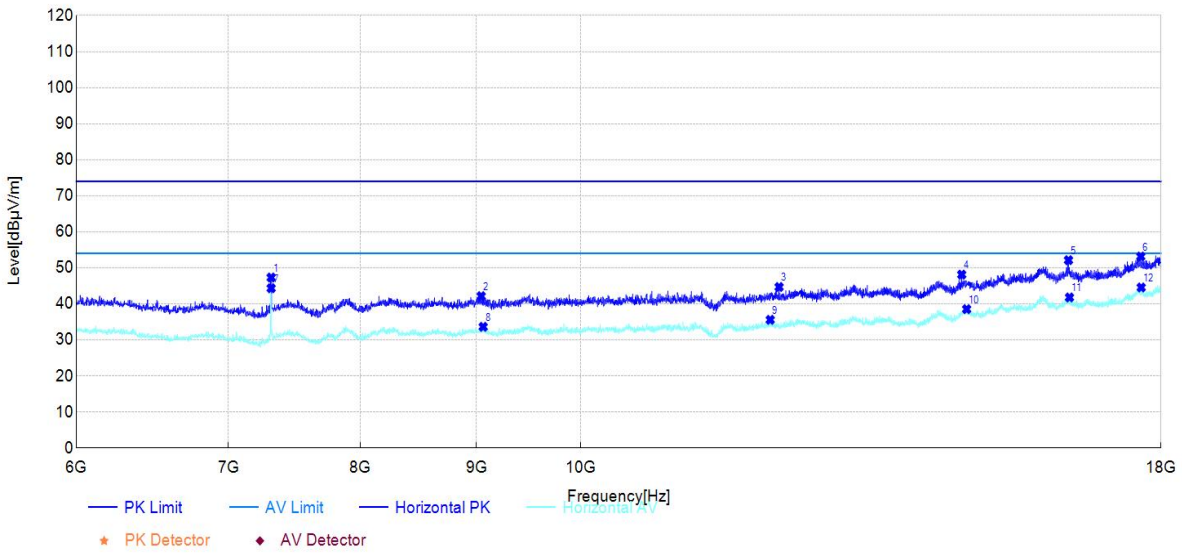


Suspected Data List											
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	7236.00	53.71	49.79	-3.92	74.00	24.21	150	260	PK	Vertical	PASS
2	9000.00	43.27	42.49	-0.78	74.00	31.51	150	73	PK	Vertical	PASS
3	11031.00	42.26	43.48	1.22	74.00	30.52	150	54	PK	Vertical	PASS
4	14370.00	41.38	46.90	5.52	74.00	27.10	150	299	PK	Vertical	PASS
5	16014.00	41.00	50.08	9.08	74.00	23.92	150	357	PK	Vertical	PASS
6	17850.00	38.67	53.40	14.73	74.00	20.60	150	349	PK	Vertical	PASS
7	7234.50	49.98	46.05	-3.93	54.00	7.95	150	256	AV	Vertical	PASS
8	9000.00	38.51	37.73	-0.78	54.00	16.27	150	73	AV	Vertical	PASS
9	11017.50	33.88	35.19	1.31	54.00	18.81	150	90	AV	Vertical	PASS
10	14385.00	32.89	38.45	5.56	54.00	15.55	150	159	AV	Vertical	PASS
11	15982.50	32.18	41.47	9.29	54.00	12.53	150	202	AV	Vertical	PASS
12	17575.50	30.81	45.07	14.26	54.00	8.93	150	323	AV	Vertical	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level

Test Mode:	802.11b	Test Date:	2024-05-20
Test Channel:	06	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	7309.50	50.72	47.32	-3.40	74.00	26.68	150	260	PK	Horizontal	PASS
2	9042.00	42.91	42.14	-0.77	74.00	31.86	150	209	PK	Horizontal	PASS
3	12226.50	42.98	44.69	1.71	74.00	29.31	150	229	PK	Horizontal	PASS
4	14710.50	42.74	48.13	5.39	74.00	25.87	150	260	PK	Horizontal	PASS
5	16390.50	42.66	52.13	9.47	74.00	21.87	150	112	PK	Horizontal	PASS
6	17635.50	39.38	53.15	13.77	74.00	20.85	150	35	PK	Horizontal	PASS
7	7309.50	47.74	44.34	-3.40	54.00	9.66	150	260	AV	Horizontal	PASS
8	9060.00	34.42	33.64	-0.78	54.00	20.36	150	229	AV	Horizontal	PASS
9	12117.00	34.04	35.58	1.54	54.00	18.42	150	229	AV	Horizontal	PASS
10	14784.00	33.11	38.54	5.43	54.00	15.46	150	12	AV	Horizontal	PASS
11	16407.00	32.33	41.79	9.46	54.00	12.21	150	248	AV	Horizontal	PASS
12	17643.00	30.84	44.55	13.71	54.00	9.45	150	194	AV	Horizontal	PASS

Note:(1) Level=Reading+Factor

(2) Margin=Limit-Level