

Report No.: WSCT-ANAB-R&E250400021A-Wi-Fi1

Above 1GHz

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

Note 3: Report and only recorded the worst-case scenario 802.11b.

1 GHz to 18 GHz, ANT H 802.11b Low Channel

Horizontal:



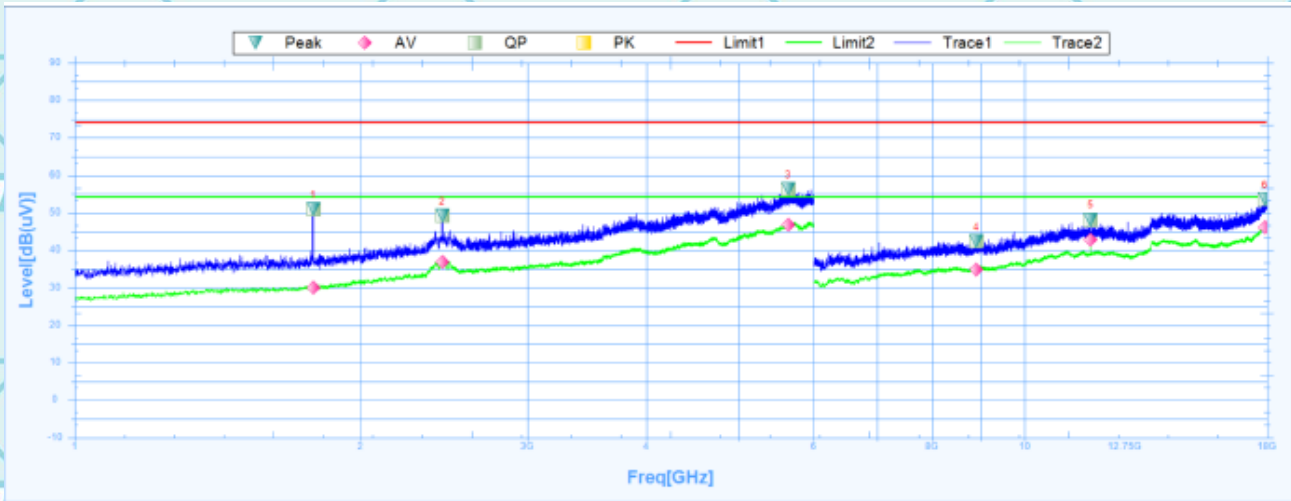
Susputed Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2388.7500	46.24	27.22	19.02	74	-27.76	-0.1	Horizontal	PK	Pass
1	2388.7500	37.28	27.22	10.06	54	-16.72	-0.1	Horizontal	AV	Pass
2	3872.5000	48.95	29.39	19.56	74	-25.05	341.8	Horizontal	PK	Pass
2	3872.5000	40.02	29.39	10.63	54	-13.98	341.8	Horizontal	AV	Pass
3	5742.5000	56.28	32.39	23.89	74	-17.72	178	Horizontal	PK	Pass
3	5742.5000	47.07	32.39	14.68	54	-6.93	178	Horizontal	AV	Pass
4	9322.5000	43.01	10.49	32.52	74	-30.99	49.4	Horizontal	PK	Pass
4	9322.5000	35.38	10.49	24.89	54	-18.62	49.4	Horizontal	AV	Pass
5	13642.5000	49.36	18.09	31.27	74	-24.64	130.7	Horizontal	PK	Pass
5	13642.5000	41.78	18.09	23.69	54	-12.22	130.7	Horizontal	AV	Pass
6	17968.5000	53.48	23.71	29.77	74	-20.52	183.4	Horizontal	PK	Pass
6	17968.5000	46.88	23.71	23.17	54	-7.12	183.4	Horizontal	AV	Pass



Report No.: WSCT-ANAB-R&E250400021A-Wi-Fi1

Vertical :



Susputed Data List										
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1783.7500	50.99	24.99	26	74	-23.01	355	Vertical	PK	Pass
1	1783.7500	29.95	24.99	4.96	54	-24.05	355	Vertical	AV	Pass
2	2438.7500	49.23	27.39	21.84	74	-24.77	151.6	Vertical	PK	Pass
2	2438.7500	36.86	27.39	9.47	54	-17.14	151.6	Vertical	AV	Pass
3	5641.2500	56.37	32.23	24.14	74	-17.63	358.9	Vertical	PK	Pass
3	5641.2500	46.85	32.23	14.62	54	-7.15	358.9	Vertical	AV	Pass
4	8905.5000	42.41	9.77	32.64	74	-31.59	347.1	Vertical	PK	Pass
4	8905.5000	34.92	9.77	25.15	54	-19.08	347.1	Vertical	AV	Pass
5	11743.5000	48.21	16.11	32.1	74	-25.79	5.4	Vertical	PK	Pass
5	11743.5000	42.89	16.11	26.78	54	-11.11	5.4	Vertical	AV	Pass
6	17904.0000	53.62	23.29	30.33	74	-20.38	317.3	Vertical	PK	Pass
6	17904.0000	46.09	23.29	22.8	54	-7.91	317.3	Vertical	AV	Pass



Report No.: WSCT-ANAB-R&E250400021A-Wi-Fi1

1 GHz to 18 GHz, ANT H 802.11b Middle Channel

Horizontal:

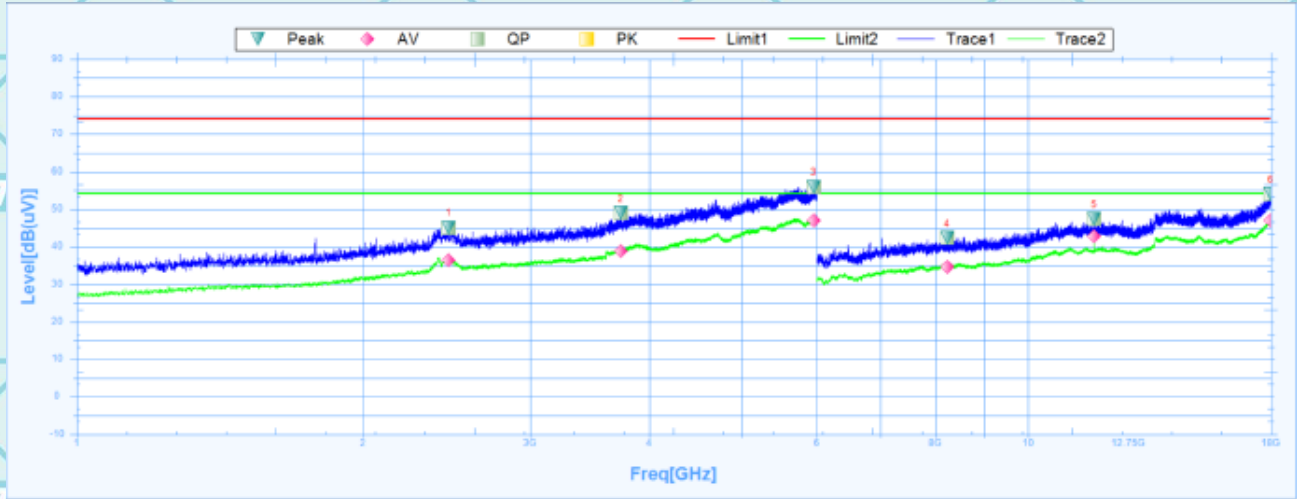


Suspected Data List										
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1618.1250	39.14	24.91	14.23	74	-34.86	353	Horizontal	PK	Pass
1	1618.1250	29.76	24.91	4.85	54	-24.24	353	Horizontal	AV	Pass
2	2445.6250	48.28	27.42	20.86	74	-25.72	4.1	Horizontal	PK	Pass
2	2445.6250	36.27	27.42	8.85	54	-17.73	4.1	Horizontal	AV	Pass
3	5201.2500	61.89	31.76	30.13	74	-12.11	88.2	Horizontal	PK	Pass
3	5201.2500	44.04	31.76	12.28	54	-9.96	88.2	Horizontal	AV	Pass
4	8326.5000	42.56	8.98	33.58	74	-31.44	354.4	Horizontal	PK	Pass
4	8326.5000	35.11	8.98	26.13	54	-18.89	354.4	Horizontal	AV	Pass
5	11076.0000	47.22	15.86	31.36	74	-26.78	31.6	Horizontal	PK	Pass
5	11076.0000	39.5	15.86	23.64	54	-14.5	31.6	Horizontal	AV	Pass
6	17958.0000	53.31	23.63	29.68	74	-20.69	79.4	Horizontal	PK	Pass
6	17958.0000	46.64	23.63	23.01	54	-7.36	79.4	Horizontal	AV	Pass



Report No.: WSCT-ANAB-R&E250400021A-Wi-Fi1

Vertical :



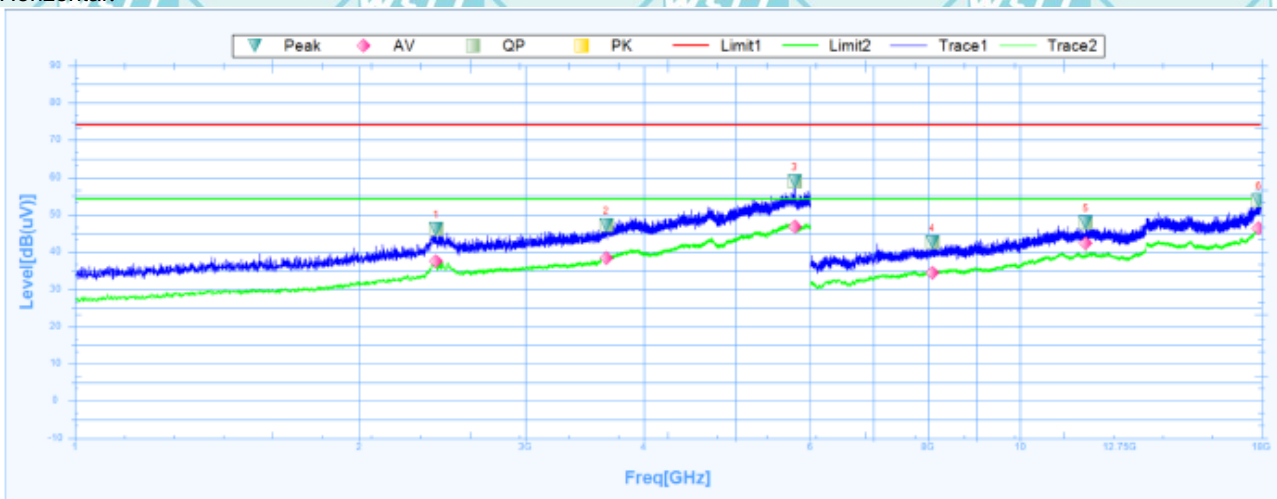
Suspected Data List										
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2461.8750	45.12	27.47	17.65	74	-28.88	141.9	Vertical	PK	Pass
1	2461.8750	36.32	27.47	8.85	54	-17.68	141.9	Vertical	AV	Pass
2	3734.3750	49.08	29.06	20.02	74	-24.92	211.3	Vertical	PK	Pass
2	3734.3750	38.78	29.06	9.72	54	-15.22	211.3	Vertical	AV	Pass
3	5956.2500	55.95	32.73	23.22	74	-18.05	54.6	Vertical	PK	Pass
3	5956.2500	46.98	32.73	14.25	54	-7.02	54.6	Vertical	AV	Pass
4	8224.5000	42.27	8.81	33.46	74	-31.73	215.7	Vertical	PK	Pass
4	8224.5000	34.59	8.81	25.78	54	-19.41	215.7	Vertical	AV	Pass
5	11743.5000	47.42	16.11	31.31	74	-26.58	59	Vertical	PK	Pass
5	11743.5000	42.9	16.11	26.79	54	-11.1	59	Vertical	AV	Pass
6	17995.5000	54.06	23.9	30.16	74	-19.94	329.2	Vertical	PK	Pass
6	17995.5000	47.11	23.9	23.21	54	-6.89	329.2	Vertical	AV	Pass



Report No.: WSCT-ANAB-R&E250400021A-Wi-Fi1

1 GHz to 18 GHz, ANT H 802.11b High Channel

Horizontal:

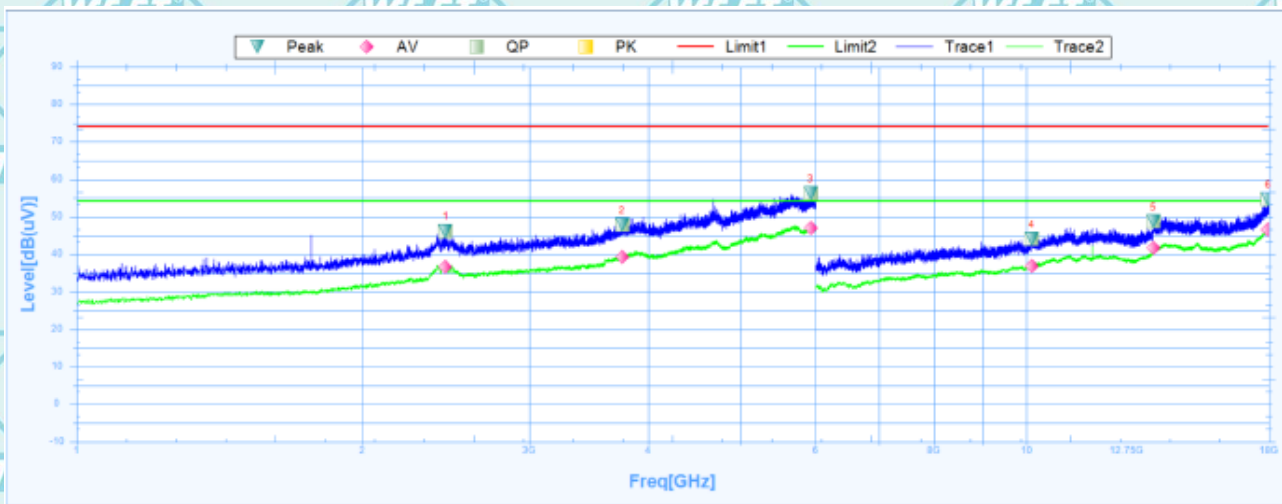


Suspected Data List										
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2411.8750	46.12	27.3	18.82	74	-27.88	0	Horizontal	PK	Pass
1	2411.8750	37.44	27.3	10.14	54	-16.56	0	Horizontal	AV	Pass
2	3652.5000	47.17	28.87	18.3	74	-26.83	0	Horizontal	PK	Pass
2	3652.5000	38.3	28.87	9.43	54	-15.7	0	Horizontal	AV	Pass
3	5777.5000	58.9	32.44	26.46	74	-15.1	189.8	Horizontal	PK	Pass
3	5777.5000	46.8	32.44	14.36	54	-7.2	189.8	Horizontal	AV	Pass
4	8076.0000	42.58	8.42	34.16	74	-31.42	319.7	Horizontal	PK	Pass
4	8076.0000	34.44	8.42	26.02	54	-19.56	319.7	Horizontal	AV	Pass
5	11743.5000	47.78	16.11	31.67	74	-26.22	226.5	Horizontal	PK	Pass
5	11743.5000	42.46	16.11	26.35	54	-11.54	226.5	Horizontal	AV	Pass
6	17892.0000	53.88	23.21	30.67	74	-20.12	144	Horizontal	PK	Pass
6	17892.0000	46.33	23.21	23.12	54	-7.67	144	Horizontal	AV	Pass



Report No.: WSCT-ANAB-R&E250400021A-Wi-Fi1

Vertical :



Suspected Data List										
NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2447.5000	46.23	27.42	18.81	74	-27.77	185	Vertical	PK	Pass
1	2447.5000	36.67	27.42	9.25	54	-17.33	185	Vertical	AV	Pass
2	3754.3750	47.82	29.11	18.71	74	-26.18	185	Vertical	PK	Pass
2	3754.3750	39.34	29.11	10.23	54	-14.66	185	Vertical	AV	Pass
3	5929.3750	56.2	32.69	23.51	74	-17.8	216	Vertical	PK	Pass
3	5929.3750	47	32.69	14.31	54	-7	216	Vertical	AV	Pass
4	10134.0000	44.13	12.77	31.36	74	-29.87	286.2	Vertical	PK	Pass
4	10134.0000	36.93	12.77	24.16	54	-17.07	286.2	Vertical	AV	Pass
5	13611.0000	48.85	18	30.85	74	-25.15	23.3	Vertical	PK	Pass
5	13611.0000	41.79	18	23.79	54	-12.21	23.3	Vertical	AV	Pass
6	17970.0000	54.69	23.72	30.97	74	-19.31	280.2	Vertical	PK	Pass
6	17970.0000	46.63	23.72	22.91	54	-7.37	280.2	Vertical	AV	Pass

Note:

1. All emissions not reported were more than 20dB below the specified limit or in the noise floor.
2. Emission Level= Reading Level+ Probe Factor +Cable Loss.
3. Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



Report No.: WSCT-ANAB-R&E250400021A-Wi-Fi1

6.7.3. Restricted Bands Requirements

Test result for 802.11b Mode (the worst case)

Frequency	Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel							
2390	62.55	-8.76	53.79	74	20.21	H	PK
2390	56.18	-8.76	47.42	54	6.58	H	AV
2390	63.41	-8.73	54.68	74	19.32	V	PK
2390	56.80	-8.73	48.07	54	5.93	V	AV
High Channel							
2483.5	60.54	-8.76	51.78	74	22.22	H	PK
2483.5	53.10	-8.76	44.34	54	9.66	H	AV
2483.5	60.91	-8.73	52.18	74	21.82	V	PK
2483.5	54.77	-8.73	46.04	54	7.96	V	AV

Note: Freq. = Emission frequency in MHz
 Reading level (dBuV) = Receiver reading
 Corr. Factor (dB) = Attenuation factor + Cable loss
 Level (dBuV) = Reading level (dBuV) + Corr. Factor (dB)
 Limit (dBuV) = Limit stated in standard
 Margin (dB) = Level (dBuV) – Limits (dBuV)



7. Test Setup Photographs

Please refer to Annex "Set Up Photos-15C" for test setup photos

*******END OF REPORT*******

