Appendix 1: For Antenna RD542109NB87-1

The worst case of Radiated Emission

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5180	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1330.0000	47.50	-13.99	68.20	20.70	Peak	Horizontal
2397.0000	44.52	-8.60	68.20	23.68	Peak	Horizontal
7615.5000	52.83	4.51	68.20	15.37	Peak	Horizontal
10352.5000	58.81	9.36	68.20	9.39	Peak	Horizontal
1110.0000	48.36	-14.26	68.20	19.84	Peak	Vertical
1517.0000	47.66	-13.38	68.20	20.54	Peak	Vertical
2661.0000	45.61	-7.42	68.20	22.59	Peak	Vertical
10360.1667	60.58	9.41	68.20	7.62	Peak	Vertical

Note: The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5200	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1115.5000	43.54	-14.26	68.20	24.66	Peak	Horizontal
1324.5000	42.84	-14.00	68.20	25.36	Peak	Horizontal
7427.6667	52.99	4.63	68.20	15.21	Peak	Horizontal
10398.5000	62.33	9.64	68.20	5.87	Peak	Horizontal
1330.0000	50.71	-13.99	68.20	17.49	Peak	Vertical
2221.0000	50.03	-10.07	68.20	18.17	Peak	Vertical
7845.5000	53.19	4.59	68.20	15.01	Peak	Vertical
10398.5000	60.27	9.64	68.20	7.93	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5240	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1330.0000	44.25	-13.99	68.20	23.95	Peak	Horizontal
2083.5000	42.81	-11.01	68.20	25.39	Peak	Horizontal
7527.3333	52.23	4.40	68.20	15.97	Peak	Horizontal
10479.0000	59.76	9.54	68.20	8.44	Peak	Horizontal
1324.5000	50.05	-14.00	68.20	18.15	Peak	Vertical
2127.5000	47.29	-10.69	68.20	20.91	Peak	Vertical
7328.0000	52.49	4.31	68.20	15.71	Peak	Vertical
10479.0000	60.57	9.54	68.20	7.63	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5260	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1148.5000	43.97	-14.24	68.20	24.23	Peak	Horizontal
1330.0000	42.78	-13.99	68.20	25.42	Peak	Horizontal
2210.0000	45.29	-10.15	68.20	22.91	Peak	Horizontal
10517.3333	59.95	9.76	68.20	8.25	Peak	Horizontal
1159.5000	47.98	-14.21	68.20	20.22	Peak	Vertical
1330.0000	49.29	-13.99	68.20	18.91	Peak	Vertical
1775.5000	43.51	-12.40	68.20	24.69	Peak	Vertical
10521.1667	59.61	9.74	68.20	8.59	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5300	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	44.19	-14.25	68.20	24.01	Peak	Horizontal
1330.0000	43.52	-13.99	68.20	24.68	Peak	Horizontal
3062.5000	44.73	-5.92	68.20	23.47	Peak	Horizontal
10601.6667	59.73	9.30	68.20	8.47	Peak	Horizontal
1110.0000	48.17	-14.26	68.20	20.03	Peak	Vertical
1330.0000	49.84	-13.99	68.20	18.36	Peak	Vertical
3997.5000	45.52	-3.98	68.20	22.68	Peak	Vertical
10601.6667	60.42	9.30	68.20	7.78	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5320	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1242.0000	44.44	-14.01	68.20	23.76	Peak	Horizontal
2127.5000	43.34	-10.69	68.20	24.86	Peak	Horizontal
7385.5000	52.49	4.67	68.20	15.71	Peak	Horizontal
10597.8333	59.41	9.30	68.20	8.79	Peak	Horizontal
1121.0000	46.64	-14.26	68.20	21.56	Peak	Vertical
1330.0000	51.60	-13.99	68.20	16.60	Peak	Vertical
1880.0000	43.35	-11.99	68.20	24.85	Peak	Vertical
10601.6667	61.25	9.30	68.20	6.95	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5500	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1121.0000	42.55	-14.15	68.20	25.65	Peak	Horizontal
1324.5000	43.64	-13.90	68.20	24.56	Peak	Horizontal
2573.0000	44.21	-7.67	68.20	23.99	Peak	Horizontal
11015.6667	56.16	9.84	68.20	12.04	Peak	Horizontal
1121.0000	47.77	-14.15	68.20	20.43	Peak	Vertical
1324.5000	47.72	-13.90	68.20	20.48	Peak	Vertical
2666.5000	45.64	-7.13	68.20	22.56	Peak	Vertical
9616.5000	54.68	8.80	68.20	13.52	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5600	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1148.5000	43.82	-14.06	68.20	24.38	Peak	Horizontal
2578.5000	44.27	-7.63	68.20	23.93	Peak	Horizontal
7339.5000	52.82	4.32	68.20	15.38	Peak	Horizontal
11299.3333	56.54	9.54	68.20	11.66	Peak	Horizontal
1330.0000	48.87	-13.89	68.20	19.33	Peak	Vertical
1841.5000	44.41	-12.05	68.20	23.79	Peak	Vertical
7431.5000	52.65	4.60	68.20	15.55	Peak	Vertical
10605.5000	55.52	9.32	68.20	12.68	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5700	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1066.0000	43.62	-14.33	68.20	24.58	Peak	Horizontal
1324.5000	48.21	-13.90	68.20	19.99	Peak	Horizontal
3398.0000	45.11	-5.55	68.20	23.09	Peak	Horizontal
10670.6667	55.24	9.72	68.20	12.96	Peak	Horizontal
1115.5000	46.18	-14.17	68.20	22.02	Peak	Vertical
1324.5000	47.03	-13.90	68.20	21.17	Peak	Vertical
7738.1667	53.09	4.68	68.20	15.11	Peak	Vertical
10387.0000	55.14	9.57	68.20	13.06	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5745	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1143.0000	44.50	-14.26	68.20	23.70	Peak	Horizontal
1330.0000	43.40	-13.90	68.20	24.80	Peak	Horizontal
3002.0000	44.39	-5.95	68.20	23.81	Peak	Horizontal
10068.8333	54.76	9.32	68.20	13.44	Peak	Horizontal
1110.0000	48.38	-14.30	68.20	19.82	Peak	Vertical
1324.5000	47.29	-13.89	68.20	20.91	Peak	Vertical
2133.0000	46.43	-10.67	68.20	21.77	Peak	Vertical
10126.3333	55.19	8.94	68.20	13.01	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5785	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1110.0000	42.80	-14.30	68.20	25.40	Peak	Horizontal
1330.0000	42.53	-13.90	68.20	25.67	Peak	Horizontal
2160.5000	42.44	-10.43	68.20	25.76	Peak	Horizontal
10674.5000	55.21	9.75	68.20	12.99	Peak	Horizontal
1121.0000	46.98	-14.29	68.20	21.22	Peak	Vertical
1330.0000	50.67	-13.90	68.20	17.53	Peak	Vertical
1907.5000	45.69	-11.86	68.20	22.51	Peak	Vertical
9635.6667	54.74	8.71	68.20	13.46	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5825	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	43.16	-14.27	68.20	25.04	Peak	Horizontal
1324.5000	43.86	-13.89	68.20	24.34	Peak	Horizontal
2677.5000	44.37	-7.15	68.20	23.83	Peak	Horizontal
8493.3333	53.53	5.69	68.20	14.67	Peak	Horizontal
1115.5000	49.13	-14.30	68.20	19.07	Peak	Vertical
1330.0000	47.24	-13.90	68.20	20.96	Peak	Vertical
2122.0000	45.92	-10.73	68.20	22.28	Peak	Vertical
10084.1667	54.62	9.36	68.20	13.58	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5180	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1093.5000	44.91	-14.28	68.20	23.29	Peak	Horizontal
1324.5000	44.55	-14.00	68.20	23.65	Peak	Horizontal
3002.0000	44.25	-6.15	68.20	23.95	Peak	Horizontal
10360.1667	59.90	9.41	68.20	8.30	Peak	Horizontal
1137.5000	49.11	-14.25	68.20	19.09	Peak	Vertical
1830.5000	46.27	-12.08	68.20	21.93	Peak	Vertical
7190.0000	52.09	4.05	68.20	16.11	Peak	Vertical
10360.1667	57.22	9.41	68.20	10.98	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5200	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1104.5000	44.08	-14.26	68.20	24.12	Peak	Horizontal
1594.0000	43.17	-13.17	68.20	25.03	Peak	Horizontal
2996.5000	45.02	-6.17	68.20	23.18	Peak	Horizontal
10398.5000	58.36	9.64	68.20	9.84	Peak	Horizontal
1110.0000	47.21	-14.26	68.20	20.99	Peak	Vertical
1330.0000	47.75	-13.99	68.20	20.45	Peak	Vertical
1874.5000	44.02	-12.00	68.20	24.18	Peak	Vertical
10402.3333	56.35	9.62	68.20	11.85	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5240	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1236.5000	45.71	-14.01	68.20	22.49	Peak	Horizontal
1594.0000	43.67	-13.17	68.20	24.53	Peak	Horizontal
2468.5000	43.00	-8.30	68.20	25.20	Peak	Horizontal
10486.6667	58.61	9.66	68.20	9.59	Peak	Horizontal
1110.0000	47.12	-14.26	68.20	21.08	Peak	Vertical
1324.5000	50.77	-14.00	68.20	17.43	Peak	Vertical
2122.0000	48.96	-10.73	68.20	19.24	Peak	Vertical
9812.0000	54.93	9.06	68.20	13.27	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5260	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	44.38	-14.25	68.20	23.82	Peak	Horizontal
1330.0000	45.10	-13.99	68.20	23.10	Peak	Horizontal
2375.0000	43.04	-8.80	68.20	25.16	Peak	Horizontal
10521.1667	58.14	9.74	68.20	10.06	Peak	Horizontal
1110.0000	46.45	-14.26	68.20	21.75	Peak	Vertical
1324.5000	47.07	-14.00	68.20	21.13	Peak	Vertical
2221.0000	46.96	-10.07	68.20	21.24	Peak	Vertical
10513.5000	55.16	9.79	68.20	13.04	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5300	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	43.40	-14.25	68.20	24.80	Peak	Horizontal
1324.5000	46.05	-14.00	68.20	22.15	Peak	Horizontal
3178.0000	45.37	-5.96	68.20	22.83	Peak	Horizontal
10597.8333	57.95	9.30	68.20	10.25	Peak	Horizontal
1115.5000	46.95	-14.26	68.20	21.25	Peak	Vertical
1324.5000	47.68	-14.00	68.20	20.52	Peak	Vertical
1995.5000	43.68	-11.66	68.20	24.52	Peak	Vertical
10594.0000	55.75	9.32	68.20	12.45	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5320	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1198.0000	43.51	-14.06	68.20	24.69	Peak	Horizontal
1324.5000	43.84	-14.00	68.20	24.36	Peak	Horizontal
2815.0000	43.91	-6.77	68.20	24.29	Peak	Horizontal
10643.8333	55.95	9.52	68.20	12.25	Peak	Horizontal
1110.0000	47.22	-14.26	68.20	20.98	Peak	Vertical
1330.0000	50.13	-13.99	68.20	18.07	Peak	Vertical
1550.0000	46.98	-13.42	68.20	21.22	Peak	Vertical
10643.8333	56.17	9.52	68.20	12.03	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5500	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	43.95	-14.10	68.20	24.25	Peak	Horizontal
1324.5000	47.81	-13.90	68.20	20.39	Peak	Horizontal
2974.5000	44.24	-6.08	68.20	23.96	Peak	Horizontal
10996.5000	58.45	9.94	68.20	9.75	Peak	Horizontal
1110.0000	46.86	-14.19	68.20	21.34	Peak	Vertical
1330.0000	45.36	-13.89	68.20	22.84	Peak	Vertical
2210.0000	45.37	-9.97	68.20	22.83	Peak	Vertical
10091.8333	54.46	9.38	68.20	13.74	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5600	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1115.5000	43.45	-14.17	68.20	24.75	Peak	Horizontal
1330.0000	44.37	-13.89	68.20	23.83	Peak	Horizontal
3156.0000	45.00	-5.75	68.20	23.20	Peak	Horizontal
11203.5000	59.98	9.37	68.20	8.22	Peak	Horizontal
1115.5000	47.59	-14.17	68.20	20.61	Peak	Vertical
1330.0000	49.69	-13.89	68.20	18.51	Peak	Vertical
2655.5000	44.75	-7.14	68.20	23.45	Peak	Vertical
10042.0000	55.30	9.13	68.20	12.90	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5700	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1143.0000	43.79	-14.08	68.20	24.41	Peak	Horizontal
2578.5000	43.98	-7.63	68.20	24.22	Peak	Horizontal
7431.5000	53.46	4.60	68.20	14.74	Peak	Horizontal
11395.1667	57.97	8.93	68.20	10.23	Peak	Horizontal
1121.0000	47.11	-14.15	68.20	21.09	Peak	Vertical
1330.0000	47.03	-13.89	68.20	21.17	Peak	Vertical
3002.0000	44.56	-6.00	68.20	23.64	Peak	Vertical
10049.6667	55.41	9.26	68.20	12.79	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5745	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	44.35	-14.27	68.20	23.85	Peak	Horizontal
1330.0000	44.80	-13.90	68.20	23.40	Peak	Horizontal
2215.5000	45.71	-9.85	68.20	22.49	Peak	Horizontal
11813.0000	56.47	9.37	68.20	11.73	Peak	Horizontal
1110.0000	48.71	-14.30	68.20	19.49	Peak	Vertical
1330.0000	47.53	-13.90	68.20	20.67	Peak	Vertical
2672.0000	44.22	-7.15	68.20	23.98	Peak	Vertical
10525.0000	55.72	9.71	68.20	12.48	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5785	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1330.0000	46.67	-13.90	68.20	21.53	Peak	Horizontal
2672.0000	44.79	-7.15	68.20	23.41	Peak	Horizontal
7765.0000	52.87	4.64	68.20	15.33	Peak	Horizontal
9773.6667	55.85	8.48	68.20	12.35	Peak	Horizontal
1110.0000	47.46	-14.30	68.20	20.74	Peak	Vertical
2666.5000	44.45	-7.16	68.20	23.75	Peak	Vertical
7592.5000	52.62	4.62	68.20	15.58	Peak	Vertical
11686.5000	56.15	9.61	68.20	12.05	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5825	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1324.5000	43.05	-13.89	68.20	25.15	Peak	Horizontal
2672.0000	44.39	-7.15	68.20	23.81	Peak	Horizontal
4806.0000	46.98	-1.14	68.20	21.22	Peak	Horizontal
10080.3333	55.16	9.35	68.20	13.04	Peak	Horizontal
1121.0000	47.32	-14.29	68.20	20.88	Peak	Vertical
1324.5000	48.98	-13.89	68.20	19.22	Peak	Vertical
9060.6667	54.41	6.45	68.20	13.79	Peak	Vertical
11337.6667	56.69	9.29	68.20	11.51	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5180	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1181.5000	44.97	-14.12	68.20	23.23	Peak	Horizontal
2617.0000	43.94	-7.66	68.20	24.26	Peak	Horizontal
6241.5000	50.52	2.84	68.20	17.68	Peak	Horizontal
10356.3333	60.07	9.38	68.20	8.13	Peak	Horizontal
1110.0000	47.66	-14.26	68.20	20.54	Peak	Vertical
1324.5000	48.47	-14.00	68.20	19.73	Peak	Vertical
1979.0000	45.44	-11.69	68.20	22.76	Peak	Vertical
10356.3333	58.69	9.38	68.20	9.51	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5200	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1110.0000	43.10	-14.26	68.20	25.10	Peak	Horizontal
1236.5000	43.20	-14.01	68.20	25.00	Peak	Horizontal
3695.0000	44.45	-4.91	68.20	23.75	Peak	Horizontal
10398.5000	60.35	9.64	68.20	7.85	Peak	Horizontal
1110.0000	46.82	-14.26	68.20	21.38	Peak	Vertical
1330.0000	51.73	-13.99	68.20	16.47	Peak	Vertical
3200.0000	47.77	-5.87	68.20	20.43	Peak	Vertical
10398.5000	59.34	9.64	68.20	8.86	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5240	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1110.0000	43.57	-14.26	68.20	24.63	Peak	Horizontal
1330.0000	44.15	-13.99	68.20	24.05	Peak	Horizontal
2122.0000	42.98	-10.73	68.20	25.22	Peak	Horizontal
10482.8333	59.43	9.60	68.20	8.77	Peak	Horizontal
1110.0000	47.30	-14.26	68.20	20.90	Peak	Vertical
1330.0000	45.24	-13.99	68.20	22.96	Peak	Vertical
2655.5000	45.33	-7.45	68.20	22.87	Peak	Vertical
10479.0000	60.02	9.54	68.20	8.18	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5260	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	44.58	-14.25	68.20	23.62	Peak	Horizontal
1330.0000	43.24	-13.99	68.20	24.96	Peak	Horizontal
7427.6667	52.46	4.63	68.20	15.74	Peak	Horizontal
10517.3333	61.56	9.76	68.20	6.64	Peak	Horizontal
1110.0000	48.66	-14.26	68.20	19.54	Peak	Vertical
1330.0000	50.97	-13.99	68.20	17.23	Peak	Vertical
7423.8333	52.78	4.65	68.20	15.42	Peak	Vertical
10521.1667	60.25	9.74	68.20	7.95	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5300	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1330.0000	46.15	-13.99	68.20	22.05	Peak	Horizontal
2221.0000	47.65	-10.07	68.20	20.55	Peak	Horizontal
7772.6667	53.10	4.57	68.20	15.10	Peak	Horizontal
10597.8333	61.22	9.30	68.20	6.98	Peak	Horizontal
1110.0000	46.63	-14.26	68.20	21.57	Peak	Vertical
1330.0000	51.57	-13.99	68.20	16.63	Peak	Vertical
2127.5000	49.71	-10.69	68.20	18.49	Peak	Vertical
10594.0000	62.31	9.32	68.20	5.89	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5320	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1110.0000	42.51	-14.26	68.20	25.69	Peak	Horizontal
1330.0000	44.41	-13.99	68.20	23.79	Peak	Horizontal
2309.0000	42.98	-9.31	68.20	25.22	Peak	Horizontal
10640.0000	59.24	9.50	68.20	8.96	Peak	Horizontal
1115.5000	47.47	-14.26	68.20	20.73	Peak	Vertical
1330.0000	52.42	-13.99	68.20	15.78	Peak	Vertical
1907.5000	43.13	-11.93	68.20	25.07	Peak	Vertical
10643.8333	58.58	9.52	68.20	9.62	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5500	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1121.0000	43.43	-14.15	68.20	24.77	Peak	Horizontal
1324.5000	42.96	-13.90	68.20	25.24	Peak	Horizontal
2342.0000	43.16	-9.04	68.20	25.04	Peak	Horizontal
11000.3333	61.44	9.98	68.20	6.76	Peak	Horizontal
1110.0000	47.11	-14.19	68.20	21.09	Peak	Vertical
1324.5000	47.62	-13.90	68.20	20.58	Peak	Vertical
2661.0000	45.21	-7.13	68.20	22.99	Peak	Vertical
10992.6667	56.35	9.89	68.20	11.85	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5600	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1115.5000	45.49	-14.17	68.20	22.71	Peak	Horizontal
1324.5000	44.66	-13.90	68.20	23.54	Peak	Horizontal
2347.5000	43.07	-8.99	68.20	25.13	Peak	Horizontal
11199.6667	60.14	9.38	68.20	8.06	Peak	Horizontal
1115.5000	46.34	-14.17	68.20	21.86	Peak	Vertical
1324.5000	46.84	-13.90	68.20	21.36	Peak	Vertical
2655.5000	51.03	-7.14	68.20	17.17	Peak	Vertical
11801.5000	56.06	9.45	68.20	12.14	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5700	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1330.0000	44.86	-13.89	68.20	23.34	Peak	Horizontal
2215.5000	48.98	-9.95	68.20	19.22	Peak	Horizontal
7577.1667	53.76	4.60	68.20	14.44	Peak	Horizontal
11399.0000	58.41	8.91	68.20	9.79	Peak	Horizontal
1110.0000	48.47	-14.19	68.20	19.73	Peak	Vertical
1330.0000	47.00	-13.89	68.20	21.20	Peak	Vertical
8995.5000	54.75	6.91	68.20	13.45	Peak	Vertical
12840.3333	57.24	8.76	68.20	10.96	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5745	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1143.0000	44.34	-14.26	68.20	23.86	Peak	Horizontal
1330.0000	46.00	-13.90	68.20	22.20	Peak	Horizontal
7101.8333	53.03	4.19	68.20	15.17	Peak	Horizontal
11928.0000	56.32	9.40	68.20	11.88	Peak	Horizontal
1121.0000	48.04	-14.29	68.20	20.16	Peak	Vertical
1324.5000	47.77	-13.89	68.20	20.43	Peak	Vertical
7389.3333	53.61	4.71	68.20	14.59	Peak	Vertical
11349.1667	55.80	9.22	68.20	12.40	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5785	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1110.0000	43.78	-14.30	68.20	24.42	Peak	Horizontal
1330.0000	42.55	-13.90	68.20	25.65	Peak	Horizontal
2127.5000	42.86	-10.70	68.20	25.34	Peak	Horizontal
11793.8333	57.29	9.39	68.20	10.91	Peak	Horizontal
1110.0000	48.24	-14.30	68.20	19.96	Peak	Vertical
1324.5000	46.78	-13.89	68.20	21.42	Peak	Vertical
1792.0000	45.16	-12.46	68.20	23.04	Peak	Vertical
8780.8333	53.83	6.45	68.20	14.37	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5825	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1143.0000	44.26	-14.26	68.20	23.94	Peak	Horizontal
1330.0000	42.54	-13.90	68.20	25.66	Peak	Horizontal
2127.5000	42.84	-10.70	68.20	25.36	Peak	Horizontal
9812.0000	54.86	9.06	68.20	13.34	Peak	Horizontal
1121.0000	48.71	-14.29	68.20	19.49	Peak	Vertical
1324.5000	46.01	-13.89	68.20	22.19	Peak	Vertical
7347.1667	52.53	4.33	68.20	15.67	Peak	Vertical
11652.0000	56.50	9.27	68.20	11.70	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

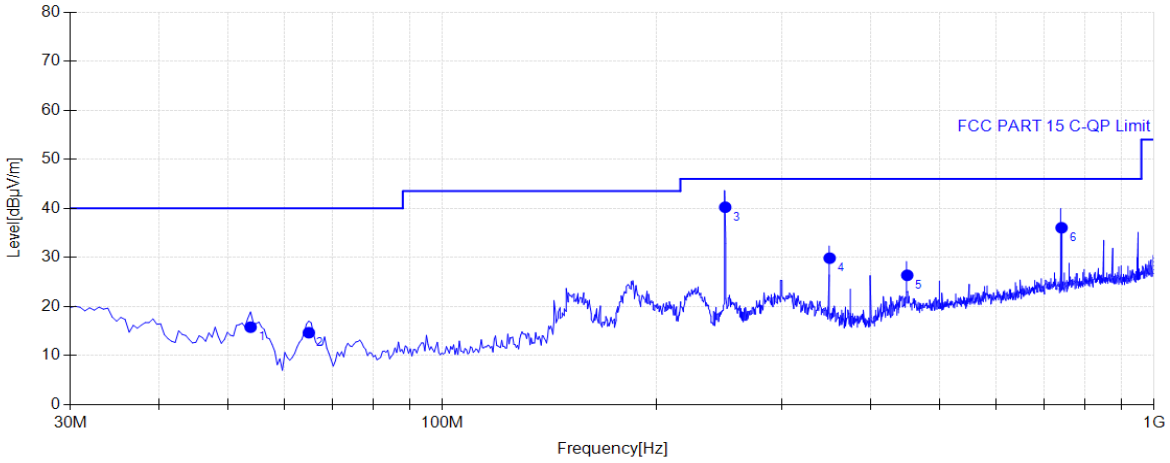
The worst case of Radiated Emission below 1GHz:

30MHz – 1GHz Test Data

For Band Frequency 5150-5250MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5180
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

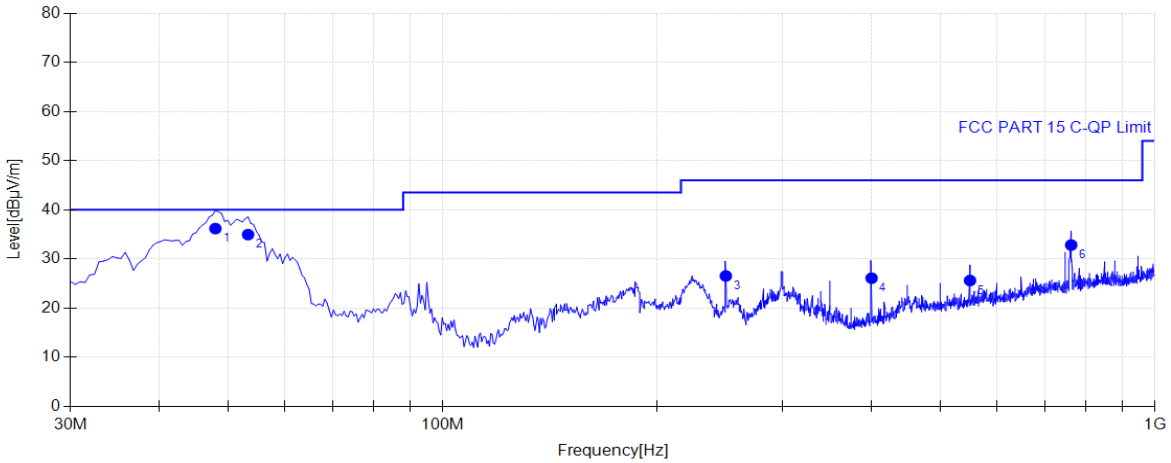


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	53.7650	8.30	15.79	40.00	24.21	100	84	Horizonta
2	64.9200	7.52	14.67	40.00	25.33	100	200	Horizonta
3	249.705	11.57	40.24	46.00	5.76	100	152	Horizonta
4	350.100	14.91	29.86	46.00	16.14	100	234	Horizonta
5	450.010	17.61	26.37	46.00	19.63	100	118	Horizonta
6	741.495	22.57	36.05	46.00	9.95	100	36	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20 at Channel 5180
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



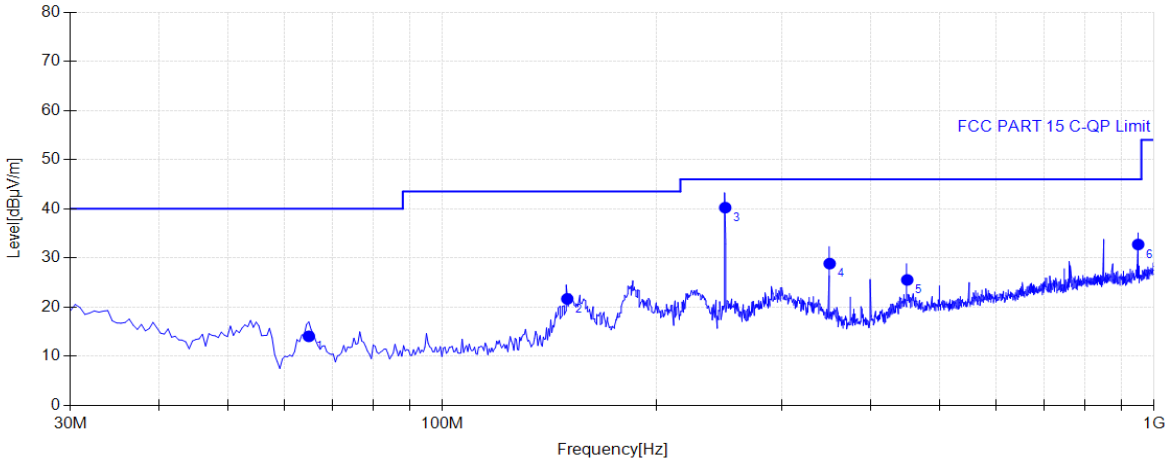
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	47.9450	10.36	36.19	40.00	3.81	100	305	Vertical
2	53.2800	8.43	34.96	40.00	5.04	100	277	Vertical
3	249.705	11.57	26.55	46.00	19.45	100	106	Vertical
4	400.055	15.76	26.10	46.00	19.90	100	50	Vertical
5	549.920	19.65	25.62	46.00	20.38	100	277	Vertical
6	762.835	22.95	32.84	46.00	13.16	100	106	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

For Band Frequency 5250-5350MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5260
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

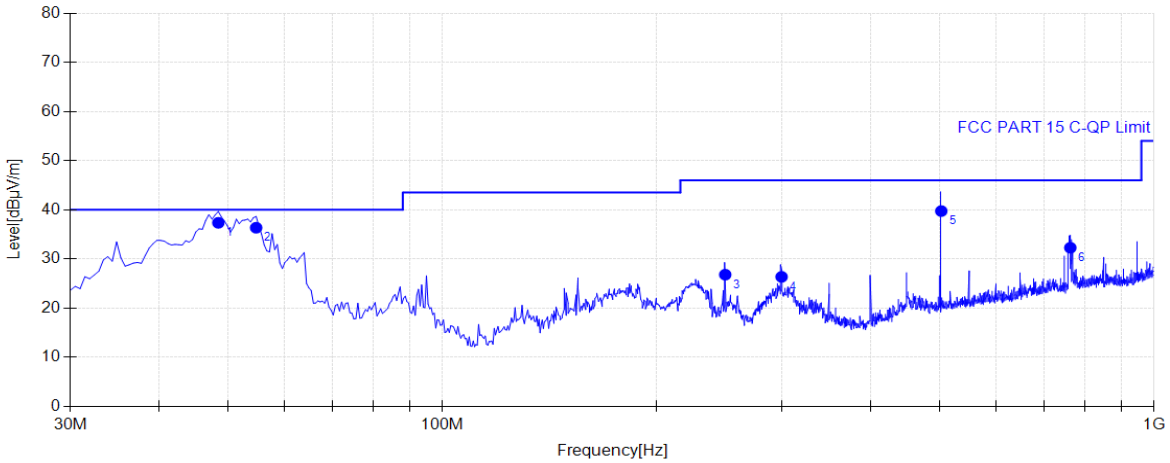


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	64.9200	7.52	14.06	40.00	25.94	100	234	Horizonta
2	149.795	10.82	21.68	43.50	21.82	100	324	Horizonta
3	249.705	11.57	40.24	46.00	5.76	100	152	Horizonta
4	350.100	14.91	28.85	46.00	17.15	100	228	Horizonta
5	450.010	17.61	25.54	46.00	20.46	100	125	Horizonta
6	950.045	24.73	32.75	46.00	13.25	100	138	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20 at Channel 5260
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



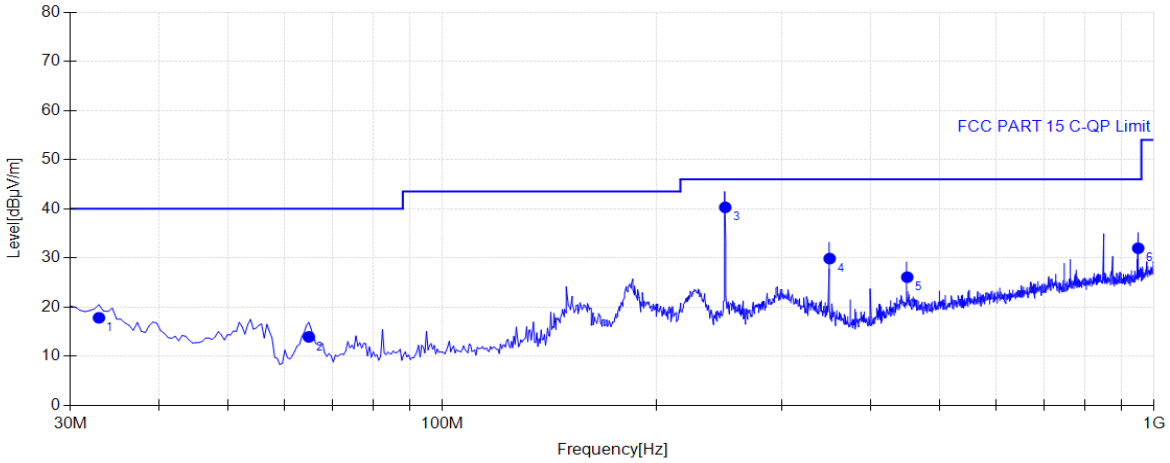
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	48.4300	10.11	37.36	40.00	2.64	100	214	Vertical
2	54.7350	8.04	36.36	40.00	3.64	100	222	Vertical
3	249.705	11.57	26.81	46.00	19.19	100	105	Vertical
4	299.660	13.74	26.37	46.00	19.63	100	248	Vertical
5	502.390	18.96	39.75	46.00	6.25	100	282	Vertical
6	762.835	22.95	32.29	46.00	13.71	100	289	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

For Band Frequency 5470-5725MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5600
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

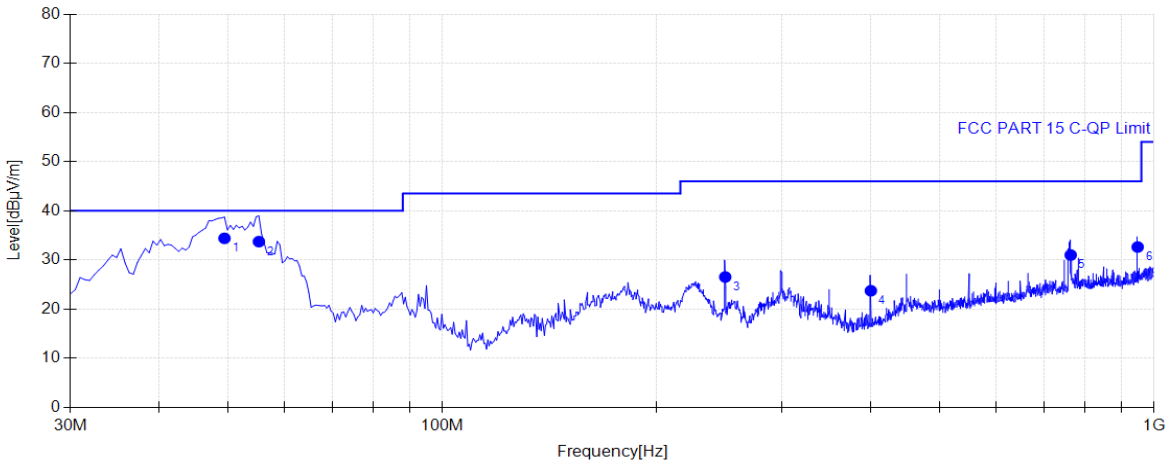


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.9100	18.01	17.84	40.00	22.16	100	28	Horizonta
2	64.9200	7.52	13.95	40.00	26.05	100	165	Horizonta
3	249.705	11.57	40.30	46.00	5.70	100	159	Horizonta
4	350.100	14.91	29.88	46.00	16.12	100	241	Horizonta
5	450.010	17.61	26.10	46.00	19.90	100	130	Horizonta
6	950.045	24.73	31.98	46.00	14.02	100	159	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5600
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



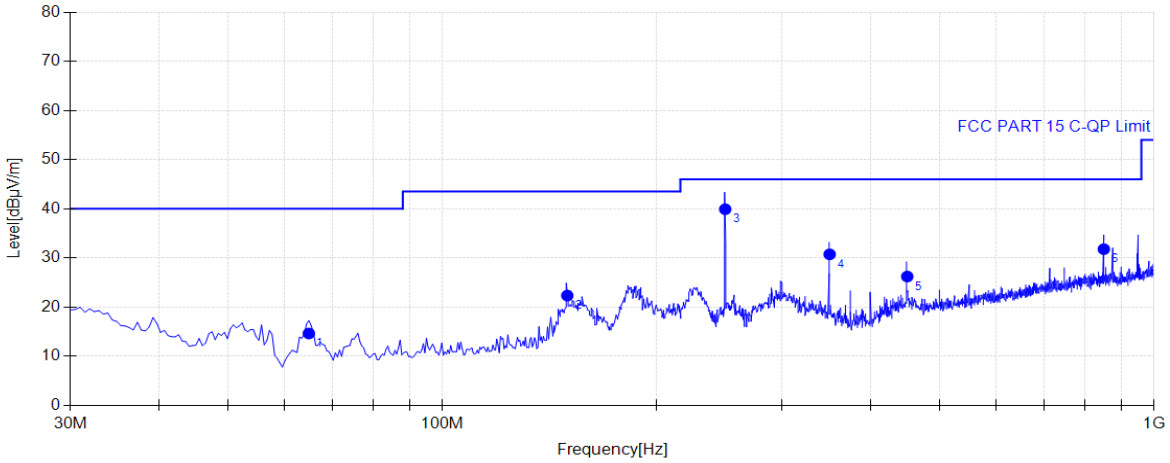
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	49.4000	9.62	34.41	40.00	5.59	100	180	Vertical
2	55.2200	7.91	33.74	40.00	6.26	100	235	Vertical
3	249.705	11.57	26.54	46.00	19.46	100	84	Vertical
4	400.055	15.76	23.74	46.00	22.26	100	42	Vertical
5	763.805	22.97	31.00	46.00	15.00	100	332	Vertical
6	948.590	24.71	32.64	46.00	13.36	100	3	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

For Band Frequency 5725-5850MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5745
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

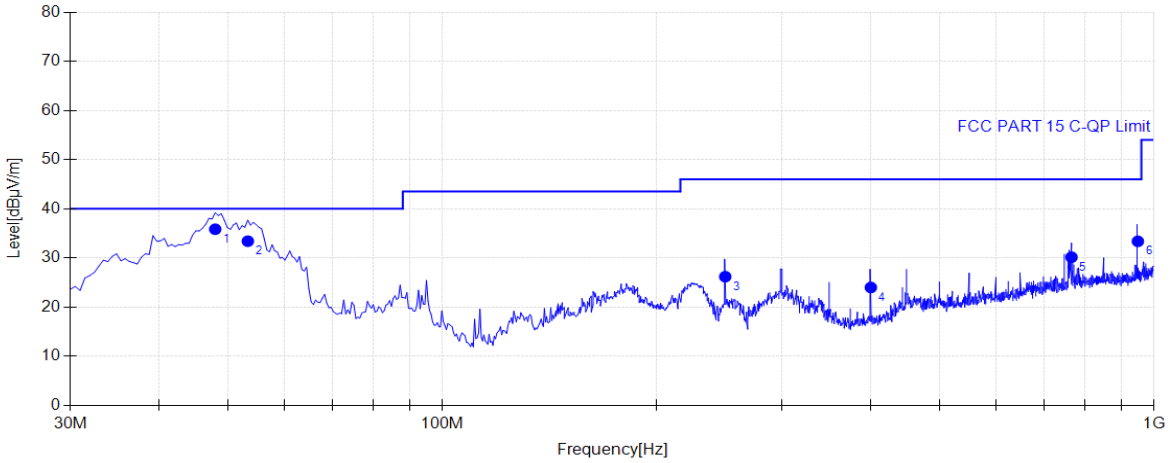


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	64.9200	7.52	14.65	40.00	25.35	100	357	Horizonta
2	149.795	10.82	22.36	43.50	21.14	100	172	Horizonta
3	249.705	11.57	39.92	46.00	6.08	100	151	Horizonta
4	350.100	14.91	30.75	46.00	15.25	100	234	Horizonta
5	450.010	17.61	26.23	46.00	19.77	100	138	Horizonta
6	850.135	23.81	31.79	46.00	14.21	100	247	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5745
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	47.9450	10.36	35.85	40.00	4.15	100	249	Vertical
2	53.2800	8.43	33.41	40.00	6.59	100	236	Vertical
3	249.705	11.57	26.20	46.00	19.80	100	85	Vertical
4	400.055	15.76	24.00	46.00	22.00	100	31	Vertical
5	765.745	23.00	30.16	46.00	15.84	100	269	Vertical
6	949.075	24.72	33.39	46.00	12.61	100	17	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

Appendix 2: For Antenna RD542109NB87-2

The worst case of Radiated Emission

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5180	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1236.5000	47.50	-14.01	68.20	20.70	Peak	Horizontal
1594.0000	48.47	-13.17	68.20	19.73	Peak	Horizontal
4564.0000	47.35	-1.63	68.20	20.85	Peak	Horizontal
10364.0000	58.68	9.43	68.20	9.52	Peak	Horizontal
1594.0000	48.55	-13.17	68.20	19.65	Peak	Vertical
2391.5000	49.38	-8.65	68.20	18.82	Peak	Vertical
3189.0000	46.70	-5.91	68.20	21.50	Peak	Vertical
10364.0000	63.55	9.43	68.20	4.65	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5200	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1209.0000	47.65	-14.04	68.20	20.55	Peak	Horizontal
1594.0000	50.10	-13.17	68.20	18.10	Peak	Horizontal
7427.6667	53.18	4.63	68.20	15.02	Peak	Horizontal
10402.3333	58.47	9.62	68.20	9.73	Peak	Horizontal
1110.0000	45.91	-14.26	68.20	22.29	Peak	Vertical
1594.0000	48.03	-13.17	68.20	20.17	Peak	Vertical
6379.0000	54.24	2.95	68.20	13.96	Peak	Vertical
10398.5000	62.50	9.64	68.20	5.70	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5240	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1225.5000	48.48	-14.02	68.20	19.72	Peak	Horizontal
1599.5000	46.95	-13.14	68.20	21.25	Peak	Horizontal
3189.0000	46.26	-5.91	68.20	21.94	Peak	Horizontal
10479.0000	59.49	9.54	68.20	8.71	Peak	Horizontal
1330.0000	51.53	-13.99	68.20	16.67	Peak	Vertical
1594.0000	49.35	-13.17	68.20	18.85	Peak	Vertical
6401.0000	53.63	2.95	68.20	14.57	Peak	Vertical
10482.8333	62.38	9.60	68.20	5.82	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5260	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1209.0000	48.12	-14.04	68.20	20.08	Peak	Horizontal
1594.0000	48.56	-13.17	68.20	19.64	Peak	Horizontal
2122.0000	45.24	-10.73	68.20	22.96	Peak	Horizontal
10517.3333	57.45	9.76	68.20	10.75	Peak	Horizontal
1330.0000	50.57	-13.99	68.20	17.63	Peak	Vertical
1594.0000	49.67	-13.17	68.20	18.53	Peak	Vertical
3189.0000	47.96	-5.91	68.20	20.24	Peak	Vertical
10517.3333	62.21	9.76	68.20	5.99	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5300	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1231.0000	47.60	-14.02	68.20	20.60	Peak	Horizontal
1594.0000	49.79	-13.17	68.20	18.41	Peak	Horizontal
3189.0000	45.24	-5.91	68.20	22.96	Peak	Horizontal
10605.5000	59.73	9.32	68.20	8.47	Peak	Horizontal
1330.0000	49.41	-13.99	68.20	18.79	Peak	Vertical
1764.5000	48.94	-12.51	68.20	19.26	Peak	Vertical
3194.5000	48.94	-5.89	68.20	19.26	Peak	Vertical
10597.8333	65.23	9.30	68.20	2.97	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz**.**

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5320	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1165.0000	46.96	-14.18	68.20	21.24	Peak	Horizontal
1594.0000	48.76	-13.17	68.20	19.44	Peak	Horizontal
3211.0000	44.18	-5.81	68.20	24.02	Peak	Horizontal
10640.0000	59.71	9.50	68.20	8.49	Peak	Horizontal
1594.0000	48.62	-13.17	68.20	19.58	Peak	Vertical
2661.0000	46.67	-7.42	68.20	21.53	Peak	Vertical
3194.5000	47.66	-5.89	68.20	20.54	Peak	Vertical
10636.1667	63.36	9.48	68.20	4.84	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz**.**

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5500	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1198.0000	48.49	-14.11	68.20	19.71	Peak	Horizontal
1594.0000	46.11	-13.16	68.20	22.09	Peak	Horizontal
7354.8333	53.02	4.38	68.20	15.18	Peak	Horizontal
11000.3333	56.99	9.98	68.20	11.21	Peak	Horizontal
1594.0000	51.04	-13.16	68.20	17.16	Peak	Vertical
2655.5000	48.68	-7.14	68.20	19.52	Peak	Vertical
3194.5000	49.31	-5.74	68.20	18.89	Peak	Vertical
10996.5000	63.71	9.94	68.20	4.49	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5600	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1192.5000	46.71	-14.10	68.20	21.49	Peak	Horizontal
1594.0000	48.62	-13.16	68.20	19.58	Peak	Horizontal
2265.0000	44.24	-9.71	68.20	23.96	Peak	Horizontal
9815.8333	54.91	9.09	68.20	13.29	Peak	Horizontal
1330.0000	49.65	-13.89	68.20	18.55	Peak	Vertical
2397.0000	47.12	-8.55	68.20	21.08	Peak	Vertical
3189.0000	47.06	-5.74	68.20	21.14	Peak	Vertical
11195.8333	57.58	9.36	68.20	10.62	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5700	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1236.5000	46.36	-14.09	68.20	21.84	Peak	Horizontal
1594.0000	47.77	-13.16	68.20	20.43	Peak	Horizontal
7435.3333	53.34	4.58	68.20	14.86	Peak	Horizontal
11015.6667	56.21	9.84	68.20	11.99	Peak	Horizontal
1539.0000	50.67	-13.51	68.20	17.53	Peak	Vertical
2655.5000	48.04	-7.14	68.20	20.16	Peak	Vertical
3992.0000	48.13	-3.78	68.20	20.07	Peak	Vertical
11399.0000	58.95	8.91	68.20	9.25	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5745	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1330.0000	48.78	-13.90	68.20	19.42	Peak	Horizontal
1594.0000	49.05	-13.25	68.20	19.15	Peak	Horizontal
2193.5000	45.45	-10.03	68.20	22.75	Peak	Horizontal
9409.5000	53.98	7.94	68.20	14.22	Peak	Horizontal
1198.0000	48.48	-14.12	68.20	19.72	Peak	Vertical
1599.5000	49.07	-13.24	68.20	19.13	Peak	Vertical
6384.5000	52.86	3.03	68.20	15.34	Peak	Vertical
11291.6667	55.83	9.50	68.20	12.37	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5785	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1231.0000	46.70	-14.02	68.20	21.50	Peak	Horizontal
1594.0000	46.55	-13.25	68.20	21.65	Peak	Horizontal
3194.5000	44.90	-5.49	68.20	23.30	Peak	Horizontal
11924.1667	56.88	9.44	68.20	11.32	Peak	Horizontal
1594.0000	49.96	-13.25	68.20	18.24	Peak	Vertical
3986.5000	47.98	-3.86	68.20	20.22	Peak	Vertical
6395.5000	53.92	3.06	68.20	14.28	Peak	Vertical
11567.6667	56.93	9.33	68.20	11.27	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5825	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1203.5000	46.47	-14.10	68.20	21.73	Peak	Horizontal
1599.5000	50.80	-13.24	68.20	17.40	Peak	Horizontal
1995.5000	43.95	-11.56	68.20	24.25	Peak	Horizontal
11000.3333	56.48	9.98	68.20	11.72	Peak	Horizontal
1203.5000	49.84	-14.10	68.20	18.36	Peak	Vertical
1786.5000	49.34	-12.48	68.20	18.86	Peak	Vertical
2397.0000	47.44	-8.73	68.20	20.76	Peak	Vertical
6373.5000	53.84	3.00	68.20	14.36	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5180	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1264.0000	47.24	-14.01	68.20	20.96	Peak	Horizontal
1594.0000	47.34	-13.17	68.20	20.86	Peak	Horizontal
7554.1667	54.17	4.57	68.20	14.03	Peak	Horizontal
10360.1667	58.02	9.41	68.20	10.18	Peak	Horizontal
1594.0000	47.48	-13.17	68.20	20.72	Peak	Vertical
3200.0000	46.99	-5.87	68.20	21.21	Peak	Vertical
6384.5000	53.06	2.95	68.20	15.14	Peak	Vertical
10360.1667	62.18	9.41	68.20	6.02	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5200	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1121.0000	47.41	-14.26	68.20	20.79	Peak	Horizontal
1533.5000	47.13	-13.40	68.20	21.07	Peak	Horizontal
3183.5000	45.37	-5.93	68.20	22.83	Peak	Horizontal
10402.3333	59.50	9.62	68.20	8.70	Peak	Horizontal
1588.5000	50.53	-13.20	68.20	17.67	Peak	Vertical
3189.0000	46.92	-5.91	68.20	21.28	Peak	Vertical
3992.0000	48.57	-3.99	68.20	19.63	Peak	Vertical
10402.3333	62.80	9.62	68.20	5.40	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5240	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1236.5000	49.28	-14.01	68.20	18.92	Peak	Horizontal
1594.0000	47.93	-13.17	68.20	20.27	Peak	Horizontal
2259.5000	45.19	-9.75	68.20	23.01	Peak	Horizontal
10479.0000	57.17	9.54	68.20	11.03	Peak	Horizontal
1489.5000	48.28	-13.41	68.20	19.92	Peak	Vertical
1775.5000	49.34	-12.40	68.20	18.86	Peak	Vertical
3194.5000	47.13	-5.89	68.20	21.07	Peak	Vertical
10482.8333	62.28	9.60	68.20	5.92	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5260	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1220.0000	47.54	-14.03	68.20	20.66	Peak	Horizontal
1599.5000	48.03	-13.14	68.20	20.17	Peak	Horizontal
7745.8333	53.25	4.74	68.20	14.95	Peak	Horizontal
10513.5000	57.33	9.79	68.20	10.87	Peak	Horizontal
1588.5000	49.07	-13.20	68.20	19.13	Peak	Vertical
3997.5000	48.54	-3.98	68.20	19.66	Peak	Vertical
7017.5000	53.31	3.77	68.20	14.89	Peak	Vertical
10517.3333	61.68	9.76	68.20	6.52	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5300	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	45.17	-14.25	68.20	23.03	Peak	Horizontal
1599.5000	48.32	-13.14	68.20	19.88	Peak	Horizontal
7412.3333	53.17	4.73	68.20	15.03	Peak	Horizontal
10601.6667	58.59	9.30	68.20	9.61	Peak	Horizontal
1330.0000	48.62	-13.99	68.20	19.58	Peak	Vertical
1594.0000	50.00	-13.17	68.20	18.20	Peak	Vertical
3194.5000	48.72	-5.89	68.20	19.48	Peak	Vertical
10597.8333	64.15	9.30	68.20	4.05	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5320	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1253.0000	46.59	-14.00	68.20	21.61	Peak	Horizontal
1594.0000	48.00	-13.17	68.20	20.20	Peak	Horizontal
2182.5000	45.69	-10.33	68.20	22.51	Peak	Horizontal
10640.0000	60.66	9.50	68.20	7.54	Peak	Horizontal
1726.0000	49.86	-12.68	68.20	18.34	Peak	Vertical
2661.0000	50.17	-7.42	68.20	18.03	Peak	Vertical
3200.0000	47.45	-5.87	68.20	20.75	Peak	Vertical
10643.8333	63.41	9.52	68.20	4.79	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5500	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	51.01	-14.10	68.20	17.19	Peak	Horizontal
1588.5000	49.48	-13.20	68.20	18.72	Peak	Horizontal
2127.5000	44.96	-10.58	68.20	23.24	Peak	Horizontal
11000.3333	57.47	9.98	68.20	10.73	Peak	Horizontal
1330.0000	51.07	-13.89	68.20	17.13	Peak	Vertical
1594.0000	48.92	-13.16	68.20	19.28	Peak	Vertical
3194.5000	47.95	-5.74	68.20	20.25	Peak	Vertical
11004.1667	61.70	9.94	68.20	6.50	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5600	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1324.5000	49.80	-13.90	68.20	18.40	Peak	Horizontal
1594.0000	47.53	-13.16	68.20	20.67	Peak	Horizontal
7412.3333	53.23	4.73	68.20	14.97	Peak	Horizontal
11031.0000	56.66	9.70	68.20	11.54	Peak	Horizontal
1330.0000	49.80	-13.89	68.20	18.40	Peak	Vertical
1588.5000	50.35	-13.20	68.20	17.85	Peak	Vertical
3200.0000	46.90	-5.74	68.20	21.30	Peak	Vertical
11199.6667	59.01	9.38	68.20	9.19	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5700	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1192.5000	46.74	-14.10	68.20	21.46	Peak	Horizontal
1594.0000	47.31	-13.16	68.20	20.89	Peak	Horizontal
2199.0000	45.22	-10.02	68.20	22.98	Peak	Horizontal
11011.8333	56.30	9.87	68.20	11.90	Peak	Horizontal
1418.0000	47.55	-13.66	68.20	20.65	Peak	Vertical
2127.5000	49.17	-10.58	68.20	19.03	Peak	Vertical
3194.5000	48.85	-5.74	68.20	19.35	Peak	Vertical
11402.8333	58.29	8.93	68.20	9.91	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5745	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1220.0000	47.12	-14.05	68.20	21.08	Peak	Horizontal
1594.0000	47.89	-13.25	68.20	20.31	Peak	Horizontal
8646.6667	53.74	5.50	68.20	14.46	Peak	Horizontal
10080.3333	55.04	9.35	68.20	13.16	Peak	Horizontal
1330.0000	50.17	-13.90	68.20	18.03	Peak	Vertical
1781.0000	52.02	-12.50	68.20	16.18	Peak	Vertical
3189.0000	48.26	-5.53	68.20	19.94	Peak	Vertical
8780.8333	54.06	6.45	68.20	14.14	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5785	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1132.0000	47.00	-14.28	68.20	21.20	Peak	Horizontal
1594.0000	49.14	-13.25	68.20	19.06	Peak	Horizontal
7347.1667	52.61	4.33	68.20	15.59	Peak	Horizontal
10877.6667	55.79	9.25	68.20	12.41	Peak	Horizontal
1159.5000	48.69	-14.23	68.20	19.51	Peak	Vertical
1539.0000	49.27	-13.34	68.20	18.93	Peak	Vertical
3194.5000	48.46	-5.49	68.20	19.74	Peak	Vertical
10574.8333	55.33	9.42	68.20	12.87	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5825	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1225.5000	47.50	-14.03	68.20	20.70	Peak	Horizontal
1588.5000	46.57	-13.25	68.20	21.63	Peak	Horizontal
2529.0000	44.97	-7.85	68.20	23.23	Peak	Horizontal
10107.1667	55.66	9.28	68.20	12.54	Peak	Horizontal
1594.0000	50.93	-13.25	68.20	17.27	Peak	Vertical
2666.5000	50.90	-7.16	68.20	17.30	Peak	Vertical
3189.0000	47.81	-5.53	68.20	20.39	Peak	Vertical
10996.5000	56.18	9.94	68.20	12.02	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5180	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1110.0000	43.90	-14.26	68.20	24.30	Peak	Horizontal
1330.0000	41.64	-13.99	68.20	26.56	Peak	Horizontal
2710.5000	43.79	-7.16	68.20	24.41	Peak	Horizontal
10367.8333	58.69	9.45	68.20	9.51	Peak	Horizontal
1110.0000	43.62	-14.26	68.20	24.58	Peak	Vertical
1324.5000	43.42	-14.00	68.20	24.78	Peak	Vertical
2127.5000	47.41	-10.69	68.20	20.79	Peak	Vertical
10360.1667	61.77	9.41	68.20	6.43	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5200	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1110.0000	44.30	-14.26	68.20	23.90	Peak	Horizontal
1330.0000	42.86	-13.99	68.20	25.34	Peak	Horizontal
2127.5000	44.64	-10.69	68.20	23.56	Peak	Horizontal
10398.5000	58.00	9.64	68.20	10.20	Peak	Horizontal
1115.5000	45.52	-14.26	68.20	22.68	Peak	Vertical
1462.0000	46.48	-13.53	68.20	21.72	Peak	Vertical
2127.5000	43.05	-10.69	68.20	25.15	Peak	Vertical
10402.3333	60.71	9.62	68.20	7.49	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5240	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1121.0000	42.73	-14.26	68.20	25.47	Peak	Horizontal
1330.0000	44.47	-13.99	68.20	23.73	Peak	Horizontal
2402.5000	43.74	-8.57	68.20	24.46	Peak	Horizontal
10482.8333	57.44	9.60	68.20	10.76	Peak	Horizontal
1110.0000	44.47	-14.26	68.20	23.73	Peak	Vertical
1462.0000	45.73	-13.53	68.20	22.47	Peak	Vertical
2925.0000	45.73	-6.38	68.20	22.47	Peak	Vertical
10479.0000	59.12	9.54	68.20	9.08	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5260	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1110.0000	45.17	-14.26	68.20	23.03	Peak	Horizontal
1462.0000	41.21	-13.53	68.20	26.99	Peak	Horizontal
2886.5000	44.00	-6.55	68.20	24.20	Peak	Horizontal
10513.5000	57.57	9.79	68.20	10.63	Peak	Horizontal
1110.0000	44.79	-14.26	68.20	23.41	Peak	Vertical
1324.5000	45.36	-14.00	68.20	22.84	Peak	Vertical
2655.5000	44.50	-7.45	68.20	23.70	Peak	Vertical
10517.3333	60.44	9.76	68.20	7.76	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5300	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1126.5000	43.62	-14.25	68.20	24.58	Peak	Horizontal
1330.0000	42.54	-13.99	68.20	25.66	Peak	Horizontal
2655.5000	43.88	-7.45	68.20	24.32	Peak	Horizontal
10590.1667	57.96	9.34	68.20	10.24	Peak	Horizontal
1110.0000	45.10	-14.26	68.20	23.10	Peak	Vertical
1330.0000	46.11	-13.99	68.20	22.09	Peak	Vertical
1462.0000	45.19	-13.53	68.20	23.01	Peak	Vertical
10597.8333	61.90	9.30	68.20	6.30	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5320	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1121.0000	43.11	-14.26	68.20	25.09	Peak	Horizontal
1330.0000	44.08	-13.99	68.20	24.12	Peak	Horizontal
2309.0000	40.56	-9.31	68.20	27.64	Peak	Horizontal
10640.0000	59.53	9.50	68.20	8.67	Peak	Horizontal
1115.5000	44.13	-14.26	68.20	24.07	Peak	Vertical
1462.0000	44.72	-13.53	68.20	23.48	Peak	Vertical
1995.5000	46.26	-11.66	68.20	21.94	Peak	Vertical
10632.3333	63.83	9.46	68.20	4.37	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5500	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1121.0000	44.54	-14.15	68.20	23.66	Peak	Horizontal
1594.0000	43.21	-13.16	68.20	24.99	Peak	Horizontal
2133.0000	44.52	-10.52	68.20	23.68	Peak	Horizontal
10996.5000	59.09	9.94	68.20	9.11	Peak	Horizontal
1121.0000	45.77	-14.15	68.20	22.43	Peak	Vertical
1462.0000	45.34	-13.65	68.20	22.86	Peak	Vertical
2573.0000	44.25	-7.67	68.20	23.95	Peak	Vertical
10996.5000	61.36	9.94	68.20	6.84	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5600	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1110.0000	44.52	-14.19	68.20	23.68	Peak	Horizontal
1330.0000	42.44	-13.89	68.20	25.76	Peak	Horizontal
2584.0000	44.15	-7.60	68.20	24.05	Peak	Horizontal
11732.5000	57.21	9.21	68.20	10.99	Peak	Horizontal
1115.5000	44.63	-14.17	68.20	23.57	Peak	Vertical
1462.0000	46.35	-13.65	68.20	21.85	Peak	Vertical
2122.0000	43.60	-10.63	68.20	24.60	Peak	Vertical
11203.5000	58.66	9.37	68.20	9.54	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5700	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1115.5000	43.81	-14.17	68.20	24.39	Peak	Horizontal
1330.0000	41.56	-13.89	68.20	26.64	Peak	Horizontal
2232.0000	43.83	-9.89	68.20	24.37	Peak	Horizontal
10333.3333	56.04	9.27	68.20	12.16	Peak	Horizontal
1121.0000	45.95	-14.15	68.20	22.25	Peak	Vertical
1462.0000	44.27	-13.65	68.20	23.93	Peak	Vertical
2127.5000	44.18	-10.58	68.20	24.02	Peak	Vertical
11399.0000	57.66	8.91	68.20	10.54	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5745	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1121.0000	43.97	-14.29	68.20	24.23	Peak	Horizontal
1330.0000	42.42	-13.90	68.20	25.78	Peak	Horizontal
3871.0000	45.33	-4.03	68.20	22.87	Peak	Horizontal
11797.6667	57.48	9.43	68.20	10.72	Peak	Horizontal
1137.5000	47.87	-14.27	68.20	20.33	Peak	Vertical
1324.5000	47.40	-13.89	68.20	20.80	Peak	Vertical
2094.5000	46.17	-10.91	68.20	22.03	Peak	Vertical
9907.8333	54.76	8.83	68.20	13.44	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5785	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1121.0000	46.35	-14.29	68.20	21.85	Peak	Horizontal
1346.5000	42.41	-13.92	68.20	25.79	Peak	Horizontal
2831.5000	44.26	-6.76	68.20	23.94	Peak	Horizontal
10065.0000	55.73	9.31	68.20	12.47	Peak	Horizontal
1121.0000	45.96	-14.29	68.20	22.24	Peak	Vertical
1462.0000	43.67	-13.71	68.20	24.53	Peak	Vertical
2127.5000	46.62	-10.70	68.20	21.58	Peak	Vertical
11563.8333	56.97	9.33	68.20	11.23	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5825	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1121.0000	43.92	-14.29	68.20	24.28	Peak	Horizontal
1313.5000	43.01	-13.88	68.20	25.19	Peak	Horizontal
4201.0000	47.28	-2.80	68.20	20.92	Peak	Horizontal
9838.8333	54.85	9.27	68.20	13.35	Peak	Horizontal
1110.0000	47.48	-14.30	68.20	20.72	Peak	Vertical
1330.0000	44.67	-13.90	68.20	23.53	Peak	Vertical
1462.0000	43.05	-13.71	68.20	25.15	Peak	Vertical
10095.6667	55.29	9.39	68.20	12.91	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

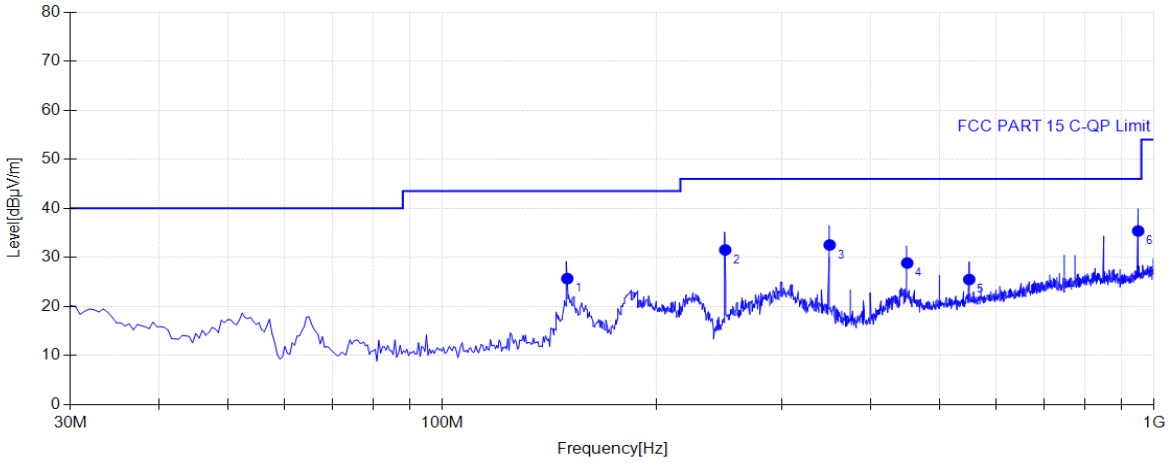
The worst case of Radiated Emission below 1GHz:

30MHz – 1GHz Test Data

For Band Frequency 5150-5250MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5180
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

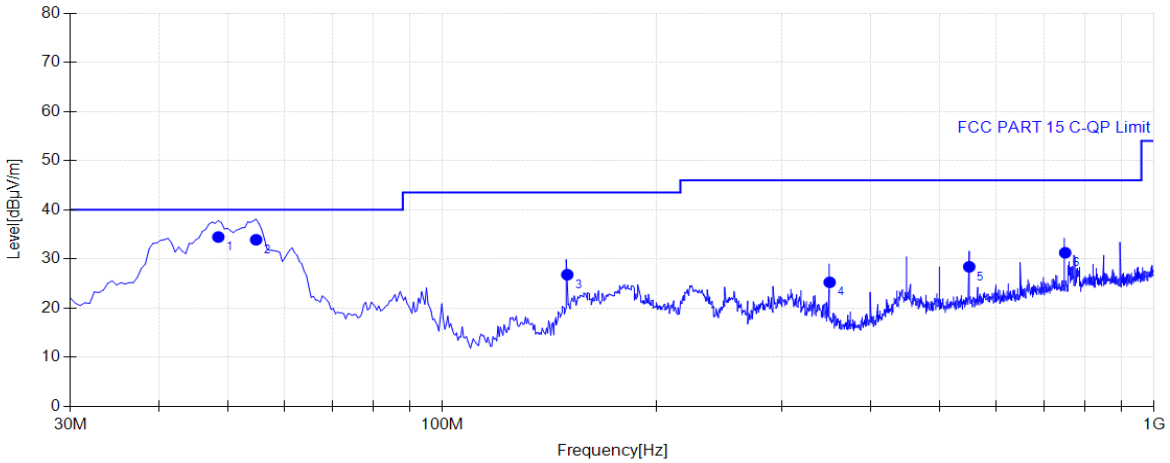


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	149.795	10.82	25.69	43.50	17.81	100	178	Horizonta
2	249.705	11.57	31.53	46.00	14.47	100	185	Horizonta
3	350.100	14.91	32.54	46.00	13.46	100	144	Horizonta
4	450.010	17.61	28.86	46.00	17.14	100	199	Horizonta
5	549.920	19.65	25.50	46.00	20.50	100	110	Horizonta
6	950.045	24.73	35.40	46.00	10.60	100	165	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20 at Channel 5180
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



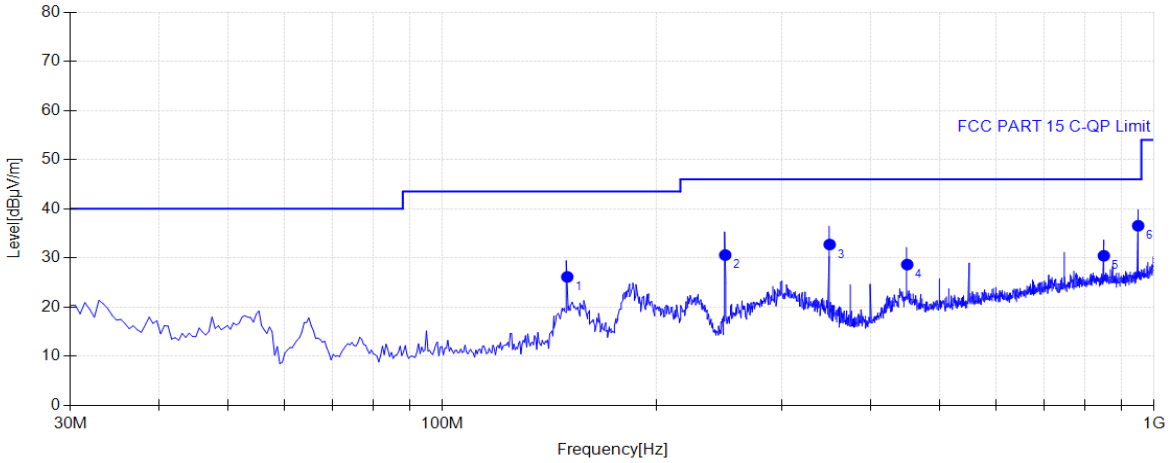
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	48.4300	10.11	34.47	40.00	5.53	100	270	Vertical
2	54.7350	8.04	33.91	40.00	6.09	100	221	Vertical
3	149.795	10.82	26.80	43.50	16.70	100	30	Vertical
4	350.100	14.91	25.25	46.00	20.75	100	23	Vertical
5	549.920	19.65	28.41	46.00	17.59	100	242	Vertical
6	750.225	22.72	31.26	46.00	14.74	100	256	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

For Band Frequency 5250-5350MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5260
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

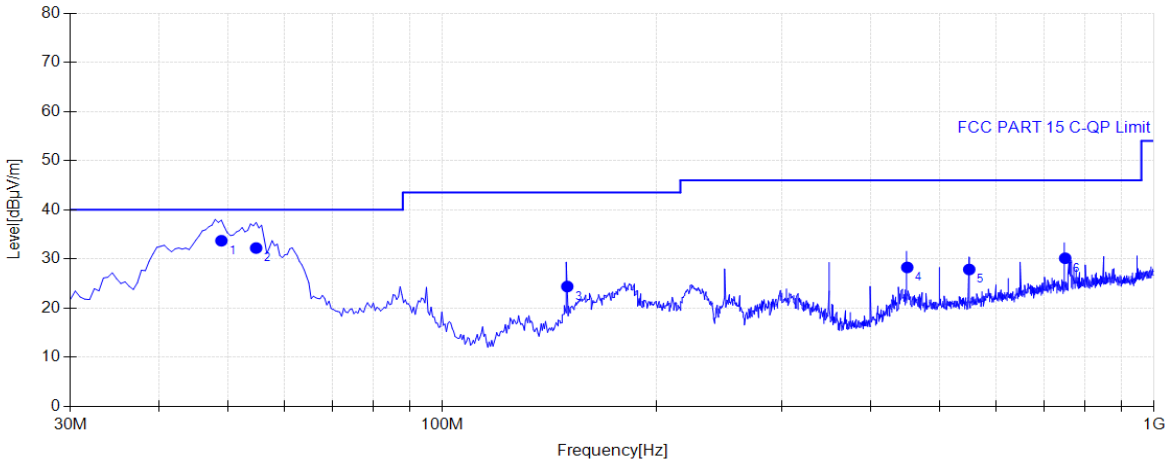


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	149.795	10.82	26.16	43.50	17.34	100	138	Horizonta
2	249.705	11.57	30.59	46.00	15.41	100	198	Horizonta
3	350.100	14.91	32.74	46.00	13.26	100	130	Horizonta
4	450.010	17.61	28.66	46.00	17.34	100	206	Horizonta
5	850.135	23.81	30.45	46.00	15.55	100	240	Horizonta
6	950.045	24.73	36.56	46.00	9.44	100	157	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20 at Channel 5260
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



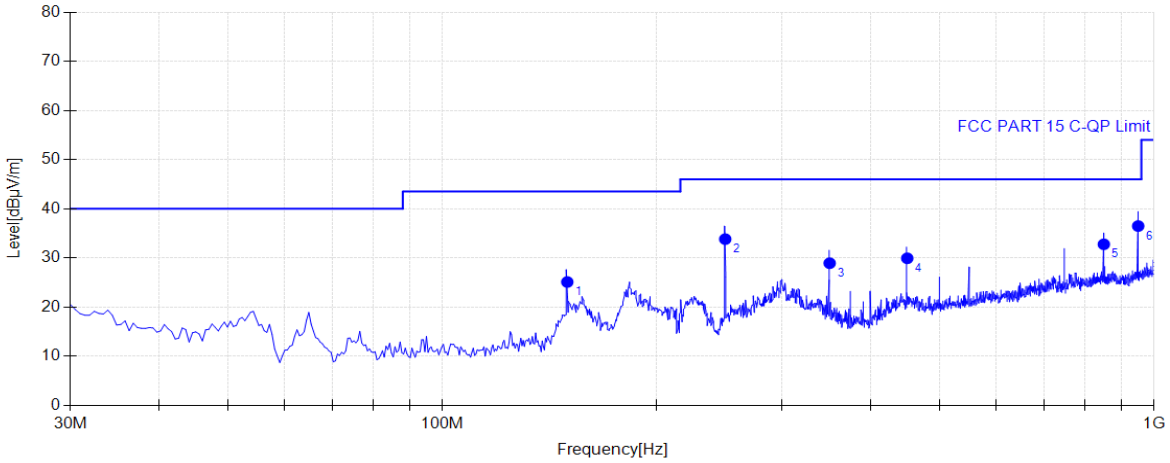
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	48.9150	9.86	33.71	40.00	6.29	100	249	Vertical
2	54.7350	8.04	32.23	40.00	7.77	100	242	Vertical
3	149.795	10.82	24.40	43.50	19.10	100	9	Vertical
4	450.010	17.61	28.29	46.00	17.71	100	263	Vertical
5	549.920	19.65	27.86	46.00	18.14	100	242	Vertical
6	750.225	22.72	30.15	46.00	15.85	100	256	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

For Band Frequency 5470-5725MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5600
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

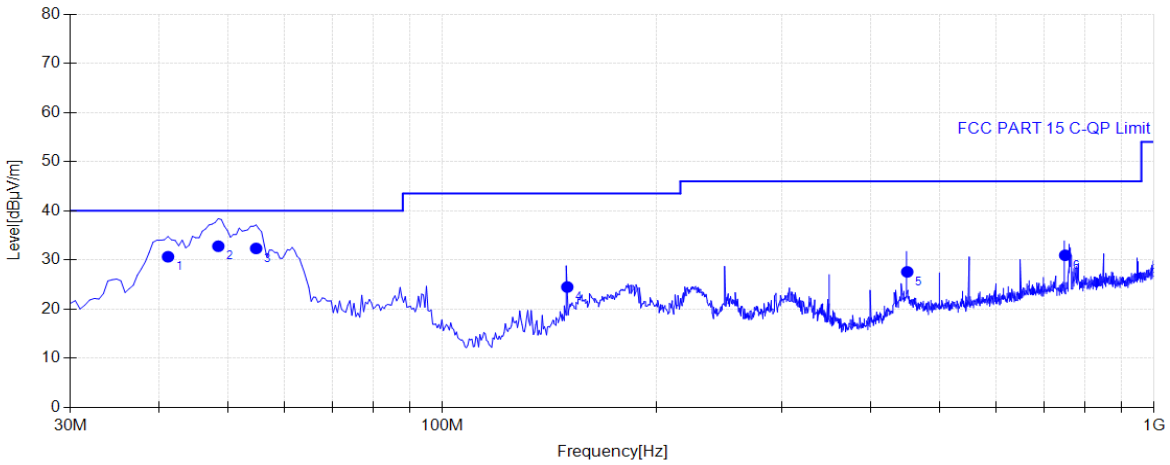


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	149.795	10.82	25.12	43.50	18.38	100	170	Horizonta
2	249.705	11.57	33.83	46.00	12.17	100	213	Horizonta
3	350.100	14.91	28.94	46.00	17.06	100	213	Horizonta
4	450.010	17.61	29.94	46.00	16.06	100	206	Horizonta
5	850.135	23.81	32.78	46.00	13.22	100	253	Horizonta
6	950.045	24.73	36.50	46.00	9.50	100	170	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5600
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



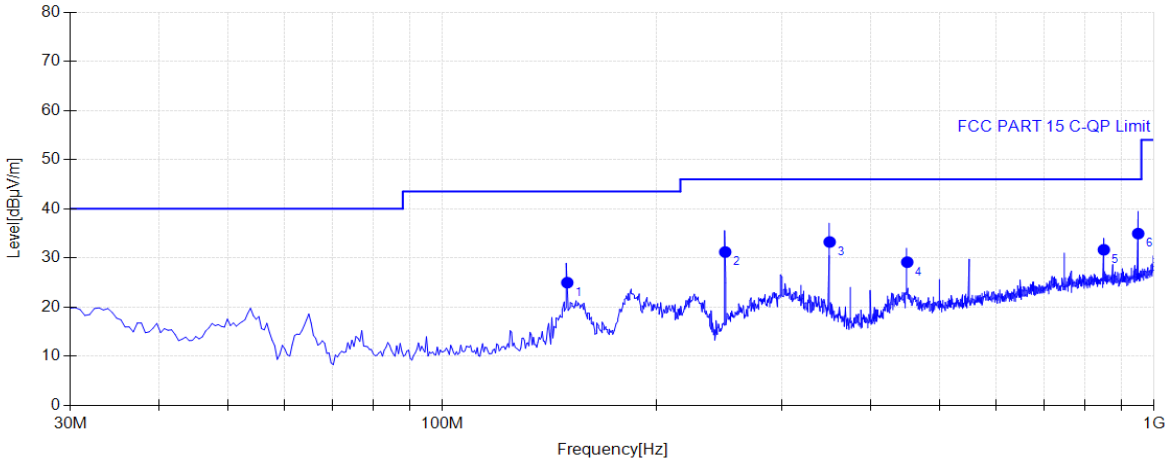
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.1550	13.81	30.66	40.00	9.34	100	249	Vertical
2	48.4300	10.11	32.80	40.00	7.20	100	203	Vertical
3	54.7350	8.04	32.35	40.00	7.65	100	237	Vertical
4	149.795	10.82	24.50	43.50	19.00	100	140	Vertical
5	450.010	17.61	27.58	46.00	18.42	100	270	Vertical
6	750.225	22.72	30.96	46.00	15.04	100	256	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

For Band Frequency 5725-5850MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5745
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

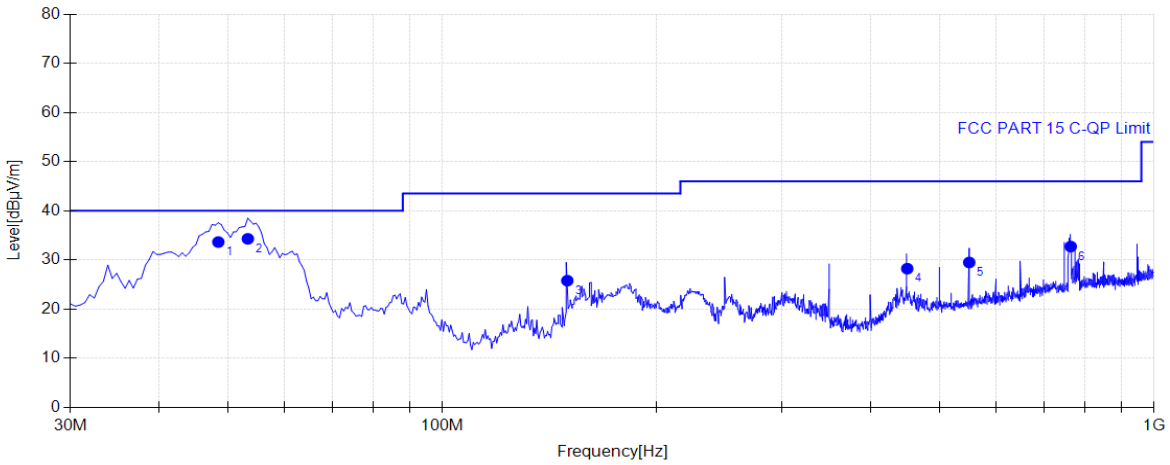


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	149.795	10.82	24.98	43.50	18.52	100	192	Horizonta
2	249.705	11.57	31.22	46.00	14.78	100	199	Horizonta
3	350.100	14.91	33.25	46.00	12.75	100	151	Horizonta
4	450.010	17.61	29.15	46.00	16.85	100	212	Horizonta
5	850.135	23.81	31.67	46.00	14.33	100	164	Horizonta
6	950.045	24.73	34.96	46.00	11.04	100	171	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5745
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	48.4300	10.11	33.65	40.00	6.35	100	242	Vertical
2	53.2800	8.43	34.30	40.00	5.70	100	256	Vertical
3	149.795	10.82	25.80	43.50	17.70	100	358	Vertical
4	450.010	17.61	28.24	46.00	17.76	100	256	Vertical
5	549.920	19.65	29.50	46.00	16.50	100	242	Vertical
6	763.805	22.97	32.73	46.00	13.27	100	359	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

Appendix 3: For Antenna RD542109NB87-3

The worst case of Radiated Emission

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5180	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1093.5000	45.23	-14.28	68.20	22.97	Peak	Horizontal
1220.0000	45.33	-14.03	68.20	22.87	Peak	Horizontal
7538.8333	53.31	4.48	68.20	14.89	Peak	Horizontal
10356.3333	56.33	9.38	68.20	11.87	Peak	Horizontal
1143.0000	44.42	-14.25	68.20	23.78	Peak	Vertical
1324.5000	49.33	-14.00	68.20	18.87	Peak	Vertical
1572.0000	44.81	-13.30	68.20	23.39	Peak	Vertical
10356.3333	60.94	9.38	68.20	7.26	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5200	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1324.5000	44.41	-14.00	68.20	23.79	Peak	Horizontal
3002.0000	45.83	-6.15	68.20	22.37	Peak	Horizontal
8228.8333	53.44	4.95	68.20	14.76	Peak	Horizontal
10402.3333	56.87	9.62	68.20	11.33	Peak	Horizontal
1137.5000	48.33	-14.25	68.20	19.87	Peak	Vertical
1324.5000	50.85	-14.00	68.20	17.35	Peak	Vertical
8458.8333	54.87	5.61	68.20	13.33	Peak	Vertical
10394.6667	62.50	9.62	68.20	5.70	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5240	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1115.5000	44.54	-14.26	68.20	23.66	Peak	Horizontal
1324.5000	43.70	-14.00	68.20	24.50	Peak	Horizontal
7404.6667	53.19	4.78	68.20	15.01	Peak	Horizontal
10479.0000	56.38	9.54	68.20	11.82	Peak	Horizontal
1115.5000	44.81	-14.26	68.20	23.39	Peak	Vertical
1324.5000	50.69	-14.00	68.20	17.51	Peak	Vertical
2661.0000	45.54	-7.42	68.20	22.66	Peak	Vertical
10479.0000	61.67	9.54	68.20	6.53	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5260	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1330.0000	50.25	-13.99	68.20	17.95	Peak	Horizontal
1594.0000	47.92	-13.17	68.20	20.28	Peak	Horizontal
2210.0000	45.29	-10.15	68.20	22.91	Peak	Horizontal
10517.3333	56.12	9.76	68.20	12.08	Peak	Horizontal
1330.0000	50.09	-13.99	68.20	18.11	Peak	Vertical
2127.5000	51.03	-10.69	68.20	17.17	Peak	Vertical
6395.5000	52.41	2.95	68.20	15.79	Peak	Vertical
10517.3333	60.69	9.76	68.20	7.51	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5300	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1225.5000	47.02	-14.02	68.20	21.18	Peak	Horizontal
1599.5000	49.14	-13.14	68.20	19.06	Peak	Horizontal
8336.1667	53.37	4.96	68.20	14.83	Peak	Horizontal
10601.6667	57.84	9.30	68.20	10.36	Peak	Horizontal
1324.5000	52.20	-14.00	68.20	16.00	Peak	Vertical
3986.5000	48.13	-4.00	68.20	20.07	Peak	Vertical
8010.3333	53.47	4.65	68.20	14.73	Peak	Vertical
10601.6667	61.11	9.30	68.20	7.09	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5320	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1060.5000	47.83	-14.38	68.20	20.37	Peak	Horizontal
1594.0000	48.12	-13.17	68.20	20.08	Peak	Horizontal
3194.5000	46.28	-5.89	68.20	21.92	Peak	Horizontal
11000.3333	57.20	9.98	68.20	11.00	Peak	Horizontal
1324.5000	48.10	-14.00	68.20	20.10	Peak	Vertical
1726.0000	51.66	-12.68	68.20	16.54	Peak	Vertical
3986.5000	46.78	-4.00	68.20	21.42	Peak	Vertical
10636.1667	59.28	9.48	68.20	8.92	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5500	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1137.5000	46.75	-14.10	68.20	21.45	Peak	Horizontal
1594.0000	47.70	-13.16	68.20	20.50	Peak	Horizontal
2666.5000	45.99	-7.13	68.20	22.21	Peak	Horizontal
10992.6667	56.93	9.89	68.20	11.27	Peak	Horizontal
1599.5000	48.21	-13.12	68.20	19.99	Peak	Vertical
1764.5000	48.43	-12.55	68.20	19.77	Peak	Vertical
3986.5000	47.27	-3.78	68.20	20.93	Peak	Vertical
10996.5000	62.32	9.94	68.20	5.88	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5600	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1198.0000	47.96	-14.11	68.20	20.24	Peak	Horizontal
1599.5000	46.87	-13.12	68.20	21.33	Peak	Horizontal
7374.0000	53.51	4.56	68.20	14.69	Peak	Horizontal
11897.3333	58.11	9.66	68.20	10.09	Peak	Horizontal
1115.5000	48.67	-14.17	68.20	19.53	Peak	Vertical
2655.5000	48.13	-7.14	68.20	20.07	Peak	Vertical
6395.5000	52.94	3.28	68.20	15.26	Peak	Vertical
11207.3333	56.56	9.37	68.20	11.64	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5700	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1198.0000	46.87	-14.11	68.20	21.33	Peak	Horizontal
1599.5000	47.50	-13.12	68.20	20.70	Peak	Horizontal
3194.5000	46.53	-5.74	68.20	21.67	Peak	Horizontal
10973.5000	56.26	9.66	68.20	11.94	Peak	Horizontal
1473.0000	48.71	-13.66	68.20	19.49	Peak	Vertical
2127.5000	47.92	-10.58	68.20	20.28	Peak	Vertical
3997.5000	47.28	-3.79	68.20	20.92	Peak	Vertical
10160.8333	55.43	8.64	68.20	12.77	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5745	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1225.5000	47.55	-14.03	68.20	20.65	Peak	Horizontal
1594.0000	48.28	-13.25	68.20	19.92	Peak	Horizontal
7592.5000	52.74	4.62	68.20	15.46	Peak	Horizontal
11908.8333	57.54	9.60	68.20	10.66	Peak	Horizontal
1110.0000	48.83	-14.30	68.20	19.37	Peak	Vertical
1594.0000	49.94	-13.25	68.20	18.26	Peak	Vertical
7876.1667	53.88	4.52	68.20	14.32	Peak	Vertical
9612.6667	55.71	8.82	68.20	12.49	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5785	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1242.0000	46.96	-13.98	68.20	21.24	Peak	Horizontal
1594.0000	47.89	-13.25	68.20	20.31	Peak	Horizontal
8558.5000	53.91	5.70	68.20	14.29	Peak	Horizontal
10931.3333	56.31	9.30	68.20	11.89	Peak	Horizontal
1594.0000	50.34	-13.25	68.20	17.86	Peak	Vertical
1792.0000	50.88	-12.46	68.20	17.32	Peak	Vertical
7400.8333	52.86	4.81	68.20	15.34	Peak	Vertical
10080.3333	55.23	9.35	68.20	12.97	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna1	Test Date:	2023-10-21
Test Channel:	5825	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1198.0000	47.80	-14.12	68.20	20.40	Peak	Horizontal
1594.0000	48.07	-13.25	68.20	20.13	Peak	Horizontal
3205.5000	45.36	-5.49	68.20	22.84	Peak	Horizontal
9831.1667	55.35	9.21	68.20	12.85	Peak	Horizontal
1110.0000	47.83	-14.30	68.20	20.37	Peak	Vertical
1599.5000	48.78	-13.24	68.20	19.42	Peak	Vertical
3189.0000	48.09	-5.53	68.20	20.11	Peak	Vertical
9490.0000	55.20	8.02	68.20	13.00	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5180	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1286.0000	42.25	-14.04	68.20	25.95	Peak	Horizontal
2996.5000	45.81	-6.17	68.20	22.39	Peak	Horizontal
7527.3333	53.61	4.40	68.20	14.59	Peak	Horizontal
10367.8333	56.84	9.45	68.20	11.36	Peak	Horizontal
1330.0000	48.37	-13.99	68.20	19.83	Peak	Vertical
3992.0000	46.84	-3.99	68.20	21.36	Peak	Vertical
7489.0000	52.86	4.25	68.20	15.34	Peak	Vertical
10364.0000	56.46	9.43	68.20	11.74	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5200	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1324.5000	45.35	-14.00	68.20	22.85	Peak	Horizontal
3002.0000	45.73	-6.15	68.20	22.47	Peak	Horizontal
7523.5000	53.01	4.37	68.20	15.19	Peak	Horizontal
10387.0000	55.72	9.57	68.20	12.48	Peak	Horizontal
1324.5000	50.45	-14.00	68.20	17.75	Peak	Vertical
2127.5000	43.85	-10.69	68.20	24.35	Peak	Vertical
7316.5000	53.11	4.30	68.20	15.09	Peak	Vertical
10398.5000	57.46	9.64	68.20	10.74	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5240	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1330.0000	46.80	-13.99	68.20	21.40	Peak	Horizontal
2996.5000	45.66	-6.17	68.20	22.54	Peak	Horizontal
7105.6667	52.51	4.17	68.20	15.69	Peak	Horizontal
10479.0000	58.52	9.54	68.20	9.68	Peak	Horizontal
1324.5000	50.39	-14.00	68.20	17.81	Peak	Vertical
1522.5000	49.96	-13.39	68.20	18.24	Peak	Vertical
3002.0000	47.80	-6.15	68.20	20.40	Peak	Vertical
10479.0000	58.78	9.54	68.20	9.42	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5260	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1594.0000	48.05	-13.17	68.20	20.15	Peak	Horizontal
2122.0000	47.11	-10.73	68.20	21.09	Peak	Horizontal
7412.3333	52.95	4.73	68.20	15.25	Peak	Horizontal
10521.1667	57.95	9.74	68.20	10.25	Peak	Horizontal
1330.0000	54.13	-13.99	68.20	14.07	Peak	Vertical
1594.0000	48.96	-13.17	68.20	19.24	Peak	Vertical
7979.6667	54.20	4.57	68.20	14.00	Peak	Vertical
10517.3333	60.12	9.76	68.20	8.08	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5300	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1324.5000	46.84	-14.00	68.20	21.36	Peak	Horizontal
1594.0000	50.59	-13.17	68.20	17.61	Peak	Horizontal
2996.5000	46.54	-6.17	68.20	21.66	Peak	Horizontal
10601.6667	57.74	9.30	68.20	10.46	Peak	Horizontal
1060.5000	47.83	-14.38	68.20	20.37	Peak	Vertical
1594.0000	48.12	-13.17	68.20	20.08	Peak	Vertical
3194.5000	46.28	-5.89	68.20	21.92	Peak	Vertical
11000.3333	57.20	9.98	68.20	11.00	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5320	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1192.5000	46.54	-14.08	68.20	21.66	Peak	Horizontal
1594.0000	46.51	-13.17	68.20	21.69	Peak	Horizontal
7423.8333	53.22	4.65	68.20	14.98	Peak	Horizontal
10528.8333	56.08	9.69	68.20	12.12	Peak	Horizontal
1330.0000	52.37	-13.99	68.20	15.83	Peak	Vertical
1594.0000	48.86	-13.17	68.20	19.34	Peak	Vertical
7377.8333	53.22	4.60	68.20	14.98	Peak	Vertical
10636.1667	57.45	9.48	68.20	10.75	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5500	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1209.0000	46.42	-14.10	68.20	21.78	Peak	Horizontal
1599.5000	47.55	-13.12	68.20	20.65	Peak	Horizontal
3002.0000	47.02	-6.00	68.20	21.18	Peak	Horizontal
11000.3333	58.92	9.98	68.20	9.28	Peak	Horizontal
1330.0000	48.23	-13.89	68.20	19.97	Peak	Vertical
1720.5000	48.99	-12.60	68.20	19.21	Peak	Vertical
3194.5000	48.79	-5.74	68.20	19.41	Peak	Vertical
10996.5000	63.45	9.94	68.20	4.75	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5600	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1198.0000	47.21	-14.11	68.20	20.99	Peak	Horizontal
1594.0000	46.30	-13.16	68.20	21.90	Peak	Horizontal
8976.3333	53.91	6.72	68.20	14.29	Peak	Horizontal
11782.3333	57.01	9.27	68.20	11.19	Peak	Horizontal
1324.5000	49.36	-13.90	68.20	18.84	Peak	Vertical
1594.0000	50.44	-13.16	68.20	17.76	Peak	Vertical
9815.8333	55.62	9.09	68.20	12.58	Peak	Vertical
11192.0000	57.47	9.35	68.20	10.73	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5700	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1198.0000	48.28	-14.11	68.20	19.92	Peak	Horizontal
1566.5000	47.17	-13.36	68.20	21.03	Peak	Horizontal
7385.5000	53.69	4.67	68.20	14.51	Peak	Horizontal
10647.6667	55.99	9.54	68.20	12.21	Peak	Horizontal
1110.0000	48.94	-14.19	68.20	19.26	Peak	Vertical
1594.0000	50.47	-13.16	68.20	17.73	Peak	Vertical
3992.0000	48.62	-3.78	68.20	19.58	Peak	Vertical
10057.3333	55.70	9.29	68.20	12.50	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5745	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1225.5000	47.97	-14.03	68.20	20.23	Peak	Horizontal
1594.0000	47.92	-13.25	68.20	20.28	Peak	Horizontal
7515.8333	53.01	4.31	68.20	15.19	Peak	Horizontal
10088.0000	55.58	9.37	68.20	12.62	Peak	Horizontal
1330.0000	50.00	-13.90	68.20	18.20	Peak	Vertical
1599.5000	52.02	-13.24	68.20	16.18	Peak	Vertical
3189.0000	47.30	-5.53	68.20	20.90	Peak	Vertical
9835.0000	54.89	9.24	68.20	13.31	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5785	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1192.5000	47.50	-14.13	68.20	20.70	Peak	Horizontal
1594.0000	49.11	-13.25	68.20	19.09	Peak	Horizontal
2188.0000	46.42	-10.10	68.20	21.78	Peak	Horizontal
7420.0000	53.25	4.68	68.20	14.95	Peak	Horizontal
1115.5000	46.36	-14.30	68.20	21.84	Peak	Vertical
1594.0000	48.74	-13.25	68.20	19.46	Peak	Vertical
3189.0000	48.45	-5.53	68.20	19.75	Peak	Vertical
9501.5000	54.22	8.13	68.20	13.98	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11a-Antenna2	Test Date:	2023-10-21
Test Channel:	5825	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1236.5000	46.14	-14.00	68.20	22.06	Peak	Horizontal
1599.5000	48.06	-13.24	68.20	20.14	Peak	Horizontal
7473.6667	52.99	4.34	68.20	15.21	Peak	Horizontal
9838.8333	55.53	9.27	68.20	12.67	Peak	Horizontal
1104.5000	47.55	-14.31	68.20	20.65	Peak	Vertical
1594.0000	50.12	-13.25	68.20	18.08	Peak	Vertical
3189.0000	48.36	-5.53	68.20	19.84	Peak	Vertical
9509.1667	53.95	8.09	68.20	14.25	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5180	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1247.5000	46.78	-14.00	68.20	21.42	Peak	Horizontal
1594.0000	45.46	-13.17	68.20	22.74	Peak	Horizontal
3200.0000	45.41	-5.87	68.20	22.79	Peak	Horizontal
10364.0000	58.63	9.43	68.20	9.57	Peak	Horizontal
1330.0000	49.21	-13.99	68.20	18.99	Peak	Vertical
1599.5000	49.46	-13.14	68.20	18.74	Peak	Vertical
3194.5000	46.14	-5.89	68.20	22.06	Peak	Vertical
10360.1667	61.48	9.41	68.20	6.72	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5200	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1198.0000	47.32	-14.06	68.20	20.88	Peak	Horizontal
1594.0000	46.90	-13.17	68.20	21.30	Peak	Horizontal
7519.6667	53.79	4.34	68.20	14.41	Peak	Horizontal
10398.5000	56.84	9.64	68.20	11.36	Peak	Horizontal
1594.0000	50.90	-13.17	68.20	17.30	Peak	Vertical
1781.0000	49.41	-12.34	68.20	18.79	Peak	Vertical
3194.5000	47.21	-5.89	68.20	20.99	Peak	Vertical
10402.3333	61.60	9.62	68.20	6.60	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5240	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1159.5000	46.19	-14.21	68.20	22.01	Peak	Horizontal
1594.0000	48.57	-13.17	68.20	19.63	Peak	Horizontal
7389.3333	52.89	4.71	68.20	15.31	Peak	Horizontal
10471.3333	56.63	9.42	68.20	11.57	Peak	Horizontal
1588.5000	50.54	-13.20	68.20	17.66	Peak	Vertical
2666.5000	48.39	-7.38	68.20	19.81	Peak	Vertical
3997.5000	47.64	-3.98	68.20	20.56	Peak	Vertical
10479.0000	62.98	9.54	68.20	5.22	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5260	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1594.0000	48.87	-13.17	68.20	19.33	Peak	Horizontal
2259.5000	46.18	-9.75	68.20	22.02	Peak	Horizontal
3040.5000	44.74	-5.97	68.20	23.46	Peak	Horizontal
10513.5000	57.66	9.79	68.20	10.54	Peak	Horizontal
1324.5000	46.84	-14.00	68.20	21.36	Peak	Vertical
1594.0000	50.43	-13.17	68.20	17.77	Peak	Vertical
3189.0000	48.26	-5.91	68.20	19.94	Peak	Vertical
10521.1667	62.75	9.74	68.20	5.45	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5300	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1231.0000	46.91	-14.02	68.20	21.29	Peak	Horizontal
1605.0000	46.57	-13.13	68.20	21.63	Peak	Horizontal
3183.5000	45.07	-5.93	68.20	23.13	Peak	Horizontal
10594.0000	58.74	9.32	68.20	9.46	Peak	Horizontal
1396.0000	48.61	-13.82	68.20	19.59	Peak	Vertical
1781.0000	49.98	-12.34	68.20	18.22	Peak	Vertical
3200.0000	46.89	-5.87	68.20	21.31	Peak	Vertical
10601.6667	63.50	9.30	68.20	4.70	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5320	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1203.5000	48.33	-14.05	68.20	19.87	Peak	Horizontal
1594.0000	46.25	-13.17	68.20	21.95	Peak	Horizontal
8424.3333	53.63	5.43	68.20	14.57	Peak	Horizontal
10636.1667	57.18	9.48	68.20	11.02	Peak	Horizontal
1121.0000	48.10	-14.26	68.20	20.10	Peak	Vertical
1797.5000	48.48	-12.18	68.20	19.72	Peak	Vertical
3194.5000	46.55	-5.89	68.20	21.65	Peak	Vertical
10636.1667	61.47	9.48	68.20	6.73	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5500	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1214.5000	48.35	-14.10	68.20	19.85	Peak	Horizontal
1594.0000	46.77	-13.16	68.20	21.43	Peak	Horizontal
1990.0000	44.69	-11.59	68.20	23.51	Peak	Horizontal
11000.3333	56.09	9.98	68.20	12.11	Peak	Horizontal
1121.0000	48.18	-14.15	68.20	20.02	Peak	Vertical
1753.5000	48.78	-12.57	68.20	19.42	Peak	Vertical
2661.0000	49.13	-7.13	68.20	19.07	Peak	Vertical
10996.5000	62.13	9.94	68.20	6.07	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5600	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1192.5000	47.17	-14.10	68.20	21.03	Peak	Horizontal
1594.0000	48.02	-13.16	68.20	20.18	Peak	Horizontal
2650.0000	46.41	-7.14	68.20	21.79	Peak	Horizontal
10222.1667	56.04	9.19	68.20	12.16	Peak	Horizontal
1198.0000	48.55	-14.11	68.20	19.65	Peak	Vertical
1726.0000	51.09	-12.59	68.20	17.11	Peak	Vertical
3200.0000	47.29	-5.74	68.20	20.91	Peak	Vertical
10674.5000	55.87	9.75	68.20	12.33	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5700	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1203.5000	47.44	-14.11	68.20	20.76	Peak	Horizontal
1594.0000	47.66	-13.16	68.20	20.54	Peak	Horizontal
2232.0000	45.21	-9.89	68.20	22.99	Peak	Horizontal
9037.6667	55.18	6.49	68.20	13.02	Peak	Horizontal
1264.0000	48.81	-14.04	68.20	19.39	Peak	Vertical
1588.5000	50.05	-13.20	68.20	18.15	Peak	Vertical
3986.5000	47.52	-3.78	68.20	20.68	Peak	Vertical
9812.0000	54.84	9.06	68.20	13.36	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5745	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1247.5000	46.49	-13.97	68.20	21.71	Peak	Horizontal
1594.0000	46.18	-13.25	68.20	22.02	Peak	Horizontal
2666.5000	46.38	-7.16	68.20	21.82	Peak	Horizontal
8972.5000	53.88	6.68	68.20	14.32	Peak	Horizontal
1533.5000	49.52	-13.37	68.20	18.68	Peak	Vertical
3194.5000	48.73	-5.49	68.20	19.47	Peak	Vertical
7941.3333	53.91	4.48	68.20	14.29	Peak	Vertical
10088.0000	55.14	9.37	68.20	13.06	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5785	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1242.0000	47.45	-13.98	68.20	20.75	Peak	Horizontal
1599.5000	47.67	-13.24	68.20	20.53	Peak	Horizontal
3194.5000	45.05	-5.49	68.20	23.15	Peak	Horizontal
8999.3333	54.70	6.95	68.20	13.50	Peak	Horizontal
1110.0000	49.16	-14.30	68.20	19.04	Peak	Vertical
1594.0000	50.21	-13.25	68.20	17.99	Peak	Vertical
3194.5000	48.65	-5.49	68.20	19.55	Peak	Vertical
10498.1667	55.41	9.85	68.20	12.79	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

Test Mode:	802.11n-HT20-MIMO	Test Date:	2023-10-21
Test Channel:	5825	Test Engineer:	Stone Zhang
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Frequency (MHz)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1594.0000	47.11	-13.25	68.20	21.09	Peak	Horizontal
2232.0000	45.38	-9.75	68.20	22.82	Peak	Horizontal
8688.8333	54.14	6.26	68.20	14.06	Peak	Horizontal
10919.8333	56.48	9.26	68.20	11.72	Peak	Horizontal
1110.0000	47.04	-14.30	68.20	21.16	Peak	Vertical
1594.0000	49.47	-13.25	68.20	18.73	Peak	Vertical
2397.0000	47.27	-8.73	68.20	20.93	Peak	Vertical
10344.8333	55.57	9.32	68.20	12.63	Peak	Vertical

Note:The emissions outside limit shall not exceed an e.i.r.p. of −27 dBm/MHz.

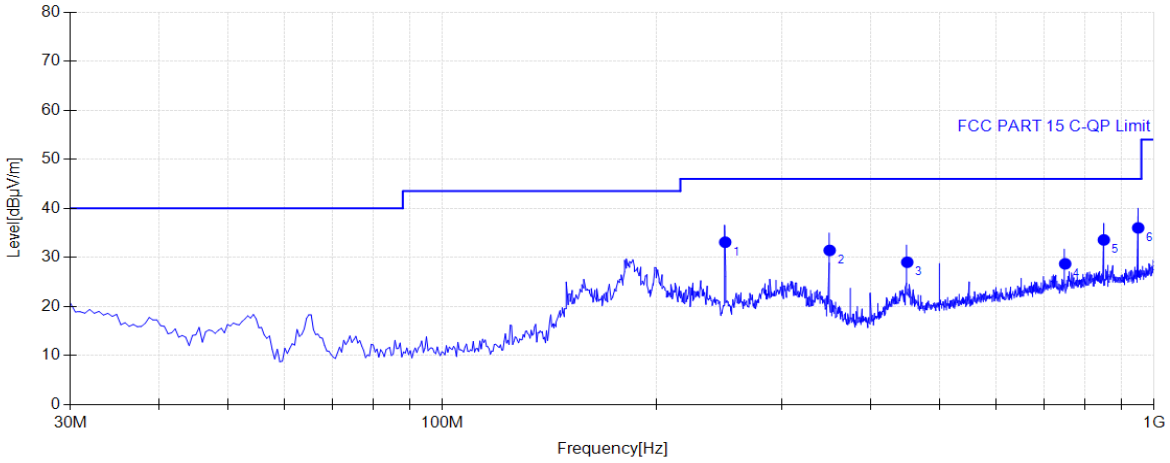
The worst case of Radiated Emission below 1GHz:

30MHz – 1GHz Test Data

For Band Frequency 5150-5250MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5180
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

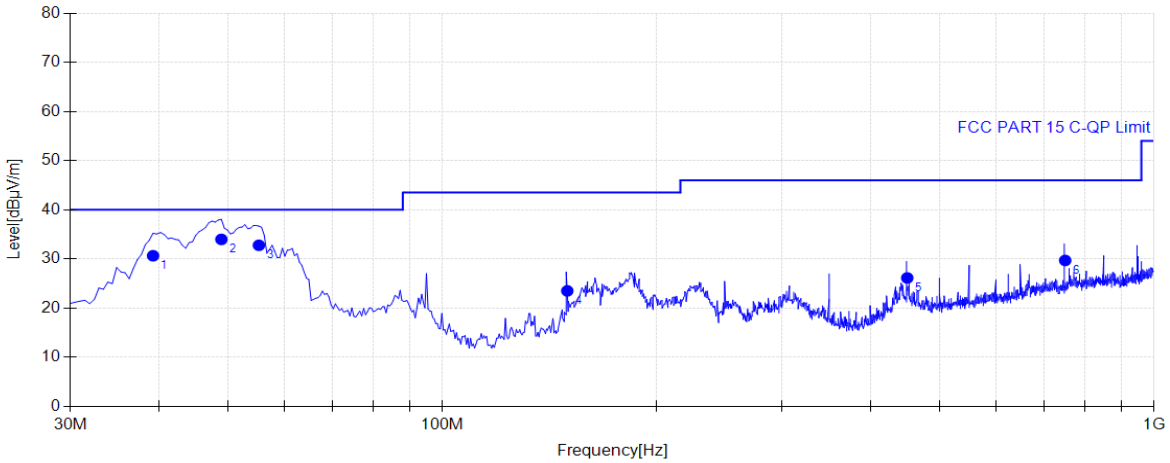


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	249.705	11.57	33.11	46.00	12.89	100	227	Horizonta
2	350.100	14.91	31.44	46.00	14.56	100	220	Horizonta
3	450.010	17.61	29.03	46.00	16.97	100	117	Horizonta
4	750.225	22.72	28.70	46.00	17.30	100	131	Horizonta
5	850.135	23.81	33.57	46.00	12.43	100	138	Horizonta
6	950.045	24.73	36.02	46.00	9.98	100	151	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20 at Channel 5180
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



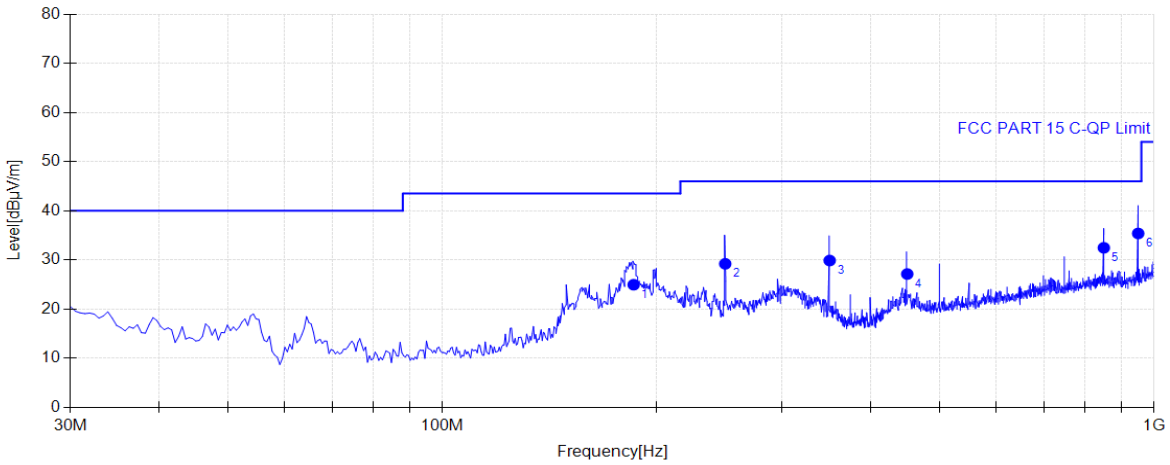
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.2150	14.80	30.66	40.00	9.34	100	325	Vertical
2	48.9150	9.86	33.99	40.00	6.01	100	270	Vertical
3	55.2200	7.91	32.78	40.00	7.22	100	241	Vertical
4	149.795	10.82	23.51	43.50	19.99	100	297	Vertical
5	450.010	17.61	26.15	46.00	19.85	100	220	Vertical
6	750.225	22.72	29.70	46.00	16.30	100	104	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

For Band Frequency 5250-5350MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5260
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

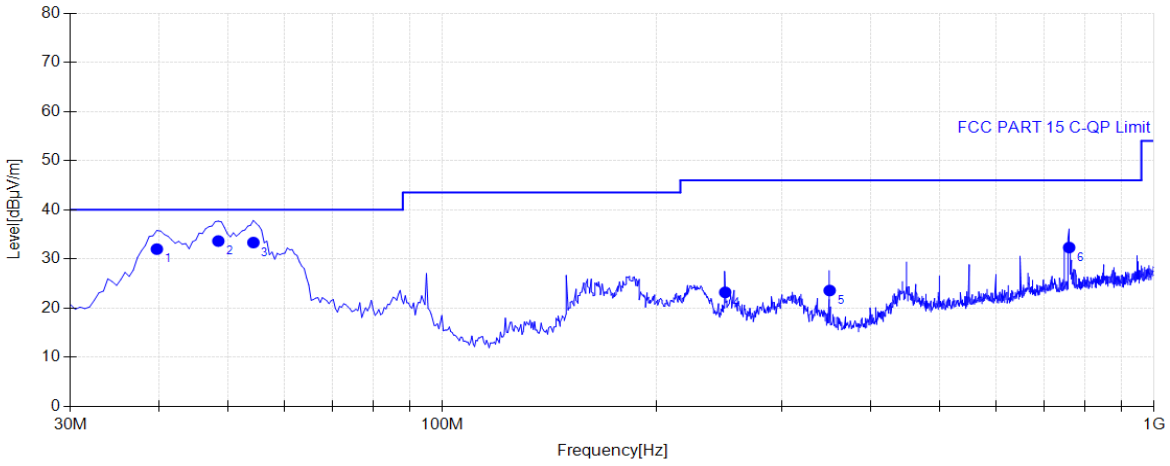


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	185.685	10.41	24.97	43.50	18.53	100	242	Horizonta
2	249.705	11.57	29.22	46.00	16.78	100	256	Horizonta
3	350.100	14.91	29.89	46.00	16.11	100	208	Horizonta
4	450.010	17.61	27.15	46.00	18.85	100	131	Horizonta
5	850.135	23.81	32.48	46.00	13.52	100	138	Horizonta
6	950.045	24.73	35.40	46.00	10.60	100	153	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20 at Channel 5260
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



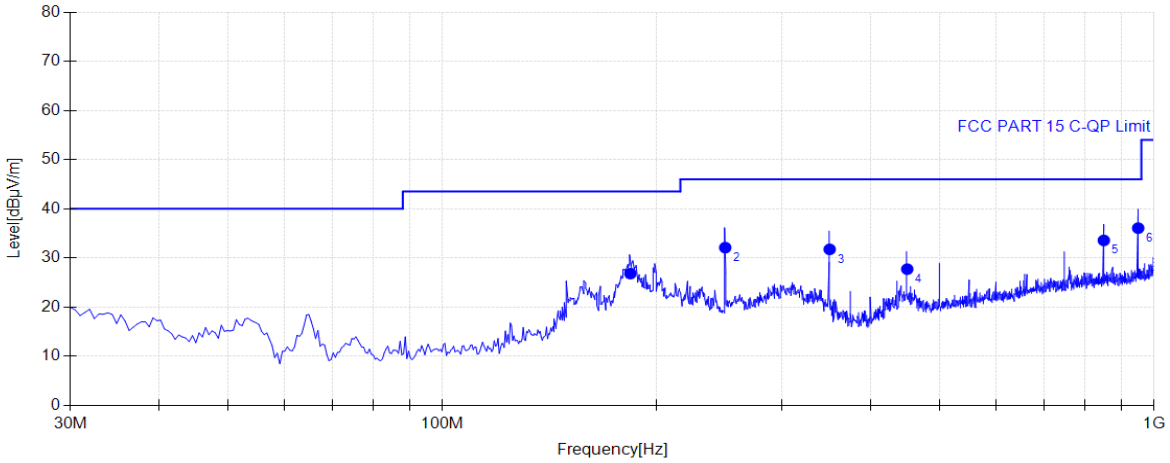
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.7000	14.55	32.01	40.00	7.99	100	291	Vertical
2	48.4300	10.11	33.65	40.00	6.35	100	248	Vertical
3	54.2500	8.17	33.34	40.00	6.66	100	214	Vertical
4	249.705	11.57	23.22	46.00	22.78	100	277	Vertical
5	350.100	14.91	23.58	46.00	22.42	100	222	Vertical
6	759.925	22.90	32.33	46.00	13.67	100	312	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

For Band Frequency 5470-5725MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5600
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

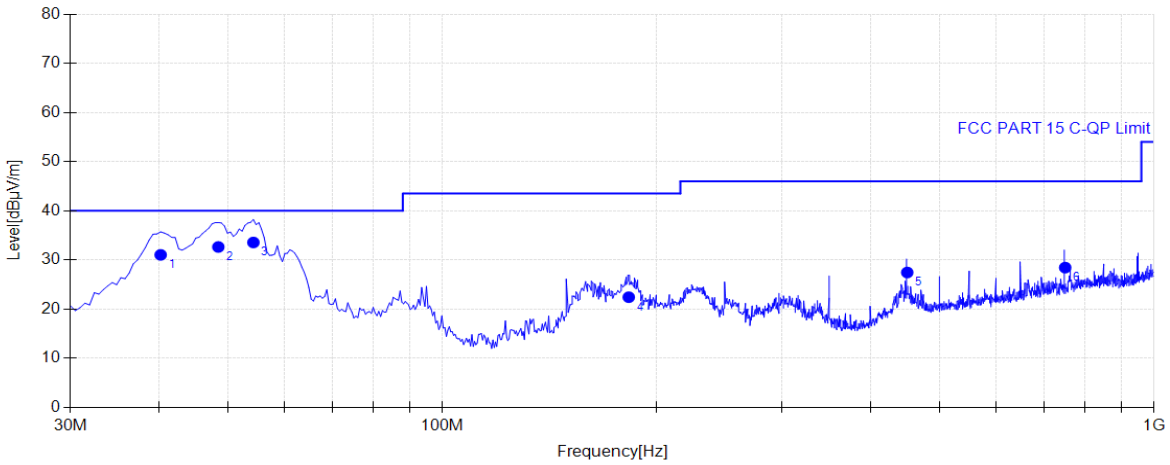


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	183.745	10.51	26.83	43.50	16.67	100	234	Horizonta
2	249.705	11.57	32.11	46.00	13.89	100	234	Horizonta
3	350.100	14.91	31.76	46.00	14.24	100	227	Horizonta
4	450.010	17.61	27.73	46.00	18.27	100	131	Horizonta
5	850.135	23.81	33.57	46.00	12.43	100	146	Horizonta
6	950.045	24.73	36.07	46.00	9.93	100	165	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5600
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



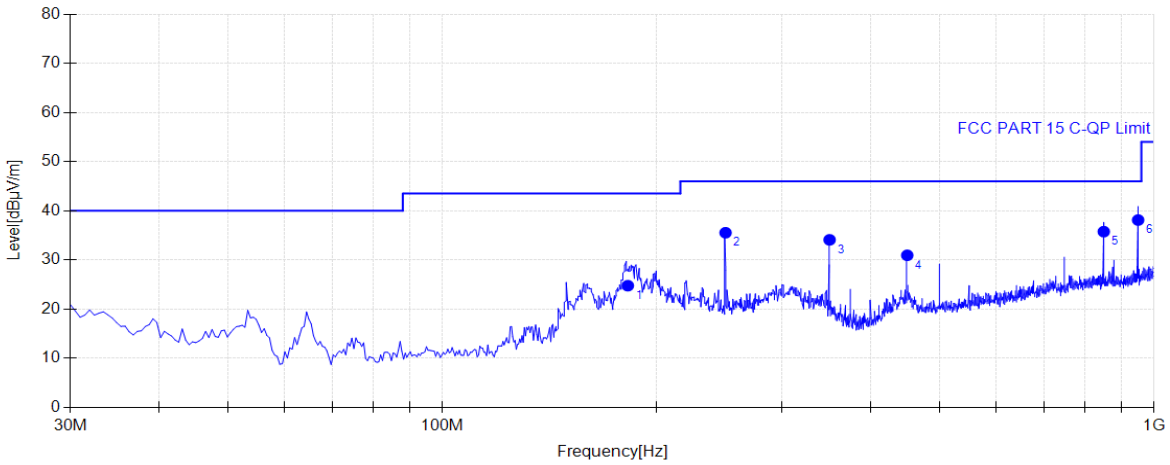
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40.1850	14.31	31.04	40.00	8.96	100	269	Vertical
2	48.4300	10.11	32.65	40.00	7.35	100	242	Vertical
3	54.2500	8.17	33.56	40.00	6.44	100	235	Vertical
4	182.775	10.56	22.43	43.50	21.07	100	256	Vertical
5	450.010	17.61	27.46	46.00	18.54	100	235	Vertical
6	750.225	22.72	28.45	46.00	17.55	100	98	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

For Band Frequency 5725-5850MHz:

EUT:	WiFi module	Polarity:	Horizontal
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5745
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph

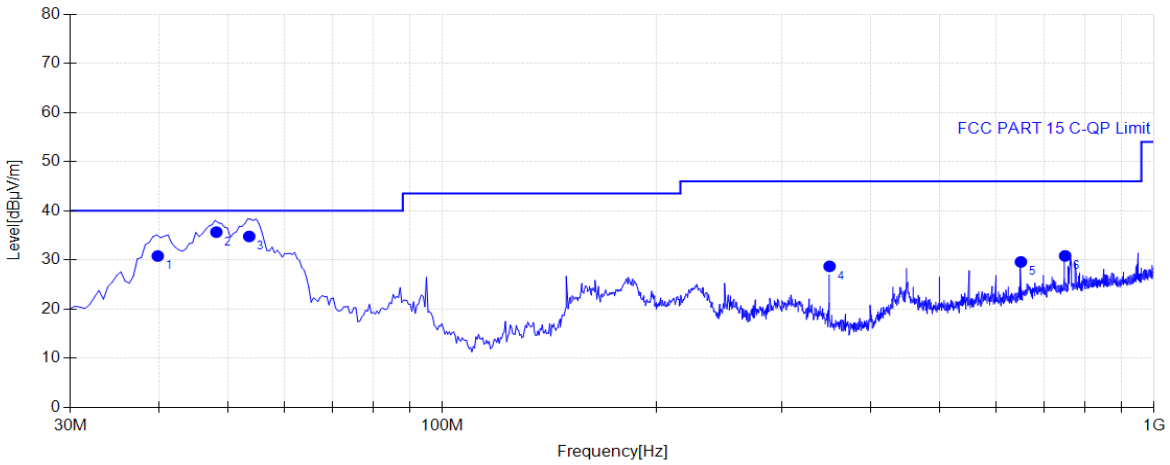


Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	182.201	10.64	24.77	43.50	18.73	100	233.5	Horizonta
2	250.005	11.57	35.54	46.00	10.46	100	209.2	Horizonta
3	350.008	14.91	34.10	46.00	11.90	100	223.6	Horizonta
4	450.003	17.61	30.95	46.00	15.05	100	117.8	Horizonta
5	849.975	23.81	35.76	46.00	10.24	100	145.4	Horizonta
6	949.962	24.73	38.13	46.00	7.87	100	167.7	Horizonta

Note 1: 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 ~ 40GHz), therefore no data appear in the report.

EUT:	WiFi module	Polarity:	Vertical
Model:	WXT5CM2803	Mode:	Transmit by 802.11n-HT20-MIMO at Channel 5745
Environment:	Temp: 24℃; Humi:41%	Engineer:	Stone Zhang

Test Graph



Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.8161	14.56	30.81	40.00	9.19	100	265.7	Vertical
2	48.1205	10.36	35.66	40.00	4.34	100	272.9	Vertical
3	53.5190	8.43	34.79	40.00	5.21	100	171.7	Vertical
4	349.998	14.91	28.71	46.00	17.29	100	360	Vertical
5	650.008	21.09	29.61	46.00	16.39	100	111.6	Vertical
6	749.974	22.72	30.83	46.00	15.17	100	101.5	Vertical

Note 1: 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 ~ 40GHz), therefore no data appear in the report.