























#### A.6 Frequency Stability Test Result

Test Site	WJ-SR2	Test Engineer	Simon Lu
Test Date	2025-03-10	Test Mode	5180MHz (Carrier Mode)

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	8.12	8.69	8.73	8.73
		- 20	10.49	10.56	10.57	10.63
		- 10	11.20	11.17	11.15	11.11
		0	10.73	10.66	10.59	10.48
		+ 10	6.73	6.58	6.47	6.47
		+ 20	3.78	3.69	3.67	3.69
		+ 30	1.34	1.15	1.02	0.52
		+ 40	-1.80	-2.13	-2.19	-2.25
		+ 50	-3.99	-4.04	-4.06	-4.08
115%	138	+ 20	-0.25	-0.15	-0.06	0.04
85%	102	+ 20	-0.59	-0.51	-0.44	-0.37

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} \*10<sup>6</sup>.

### A.7 Radiated Spurious Emission Test Result

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 36
Remark	<ol style="list-style-type: none"> <li>Average measurement was not performed if peak level lower than average limit.</li> <li>Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.</li> </ol>		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	9887.60	40.71	6.05	46.76	68.20	-21.44	Peak	Horizontal
	11273.10	42.36	5.35	47.71	74.00	-26.29	Peak	Horizontal
	11965.00	42.63	5.20	47.83	74.00	-26.17	Peak	Horizontal
*	13870.70	45.09	4.94	50.03	68.20	-18.17	Peak	Horizontal
*	10064.40	39.99	5.90	45.89	68.20	-22.31	Peak	Vertical
	11171.10	41.17	5.19	46.36	74.00	-27.64	Peak	Vertical
	12021.10	42.41	5.03	47.44	74.00	-26.56	Peak	Vertical
*	14059.40	43.74	5.43	49.17	68.20	-19.03	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 44
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
*	10351.70	40.33	5.79	46.12	68.20	-22.08	Peak	Horizontal
	10911.00	40.90	5.30	46.20	74.00	-27.80	Peak	Horizontal
	12204.70	42.60	4.93	47.53	74.00	-26.47	Peak	Horizontal
*	14173.30	44.80	5.50	50.30	68.20	-17.90	Peak	Horizontal
*	10091.60	40.20	5.91	46.11	68.20	-22.09	Peak	Vertical
	11356.40	41.30	5.51	46.81	74.00	-27.19	Peak	Vertical
	12051.70	42.39	5.20	47.59	74.00	-26.41	Peak	Vertical
*	13993.10	43.54	5.34	48.88	68.20	-19.32	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 48
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
*	10480.90	47.57	5.59	53.16	68.20	-15.04	Peak	Horizontal
	11470.30	41.44	5.40	46.84	74.00	-27.16	Peak	Horizontal
*	13843.50	42.62	4.91	47.53	68.20	-20.67	Peak	Horizontal
	15722.00	39.68	6.12	45.80	54.00	-8.20	Average	Horizontal
	15722.00	48.50	6.12	54.62	74.00	-19.38	Peak	Horizontal
*	10480.90	50.47	5.59	56.06	68.20	-12.14	Peak	Vertical
	11805.20	42.92	4.79	47.71	74.00	-26.29	Peak	Vertical
*	14130.80	44.18	5.49	49.67	68.20	-18.53	Peak	Vertical
	15715.20	43.14	6.17	49.31	54.00	-4.69	Average	Vertical
	15715.20	52.08	6.17	58.25	74.00	-15.75	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 52
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
*	10520.00	41.55	5.61	47.16	68.20	-21.04	Peak	Horizontal
	11293.50	41.23	5.40	46.63	74.00	-27.37	Peak	Horizontal
	11851.10	42.26	4.91	47.17	74.00	-26.83	Peak	Horizontal
*	14139.30	44.32	5.58	49.90	68.20	-18.30	Peak	Horizontal
*	10130.70	40.40	5.87	46.27	68.20	-21.93	Peak	Vertical
	11072.50	41.21	5.09	46.30	74.00	-27.70	Peak	Vertical
	11864.70	43.00	4.93	47.93	74.00	-26.07	Peak	Vertical
*	13875.80	44.88	4.99	49.87	68.20	-18.33	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 60
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
*	9806.00	40.62	6.28	46.90	68.20	-21.30	Peak	Horizontal
	11245.90	41.87	5.34	47.21	74.00	-26.79	Peak	Horizontal
	11789.90	42.52	4.80	47.32	74.00	-26.68	Peak	Horizontal
*	13948.90	44.29	5.10	49.39	68.20	-18.81	Peak	Horizontal
*	9715.90	38.52	6.12	44.64	68.20	-23.56	Peak	Vertical
*	10225.90	40.62	5.92	46.54	68.20	-21.66	Peak	Vertical
	11366.60	41.32	5.49	46.81	74.00	-27.19	Peak	Vertical
	11980.30	42.38	5.14	47.52	74.00	-26.48	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 64
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
*	10225.90	40.62	5.92	46.54	68.20	-21.66	Peak	Horizontal
	11264.60	41.48	5.39	46.87	74.00	-27.13	Peak	Horizontal
	12135.00	43.12	4.96	48.08	74.00	-25.92	Peak	Horizontal
*	13804.40	44.64	4.70	49.34	68.20	-18.86	Peak	Horizontal
*	10295.60	40.16	5.70	45.86	68.20	-22.34	Peak	Vertical
	11172.80	40.92	5.19	46.11	74.00	-27.89	Peak	Vertical
	12160.50	43.28	5.05	48.33	74.00	-25.67	Peak	Vertical
*	13908.10	44.33	5.06	49.39	68.20	-18.81	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 100
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
*	9846.80	40.35	6.15	46.50	68.20	-21.70	Peak	Horizontal
*	10327.90	40.78	5.64	46.42	68.20	-21.78	Peak	Horizontal
	11330.90	41.03	5.43	46.46	74.00	-27.54	Peak	Horizontal
	11961.60	42.45	5.20	47.65	74.00	-26.35	Peak	Horizontal
*	9970.90	40.68	5.97	46.65	68.20	-21.55	Peak	Vertical
	11346.20	40.78	5.49	46.27	74.00	-27.73	Peak	Vertical
	11973.50	42.50	5.17	47.67	74.00	-26.33	Peak	Vertical
*	13879.20	43.82	5.02	48.84	68.20	-19.36	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 116
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
*	9761.80	40.42	6.07	46.49	68.20	-21.71	Peak	Horizontal
	11013.00	40.83	5.10	45.93	74.00	-28.07	Peak	Horizontal
	11687.90	41.80	4.83	46.63	74.00	-27.37	Peak	Horizontal
*	13860.50	44.58	4.91	49.49	68.20	-18.71	Peak	Horizontal
*	9909.70	39.50	6.07	45.57	68.20	-22.63	Peak	Vertical
	11162.60	41.93	5.12	47.05	74.00	-26.95	Peak	Vertical
	12313.50	42.57	4.70	47.27	74.00	-26.73	Peak	Vertical
*	13969.30	44.56	5.27	49.83	68.20	-18.37	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 140
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
*	9899.50	40.34	6.07	46.41	68.20	-21.79	Peak	Horizontal
	11264.60	41.34	5.39	46.73	74.00	-27.27	Peak	Horizontal
	11823.90	42.58	4.92	47.50	74.00	-26.50	Peak	Horizontal
*	14083.20	43.68	5.46	49.14	68.20	-19.06	Peak	Horizontal
*	10363.60	39.96	5.63	45.59	68.20	-22.61	Peak	Vertical
	11398.90	43.84	5.52	49.36	74.00	-24.64	Peak	Vertical
	12490.30	43.67	4.94	48.61	74.00	-25.39	Peak	Vertical
*	14385.80	43.98	5.58	49.56	68.20	-18.64	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 144
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
*	9814.50	39.55	6.22	45.77	68.20	-22.43	Peak	Horizontal
	11441.40	44.44	5.30	49.74	74.00	-24.26	Peak	Horizontal
	12452.90	42.73	4.87	47.60	74.00	-26.40	Peak	Horizontal
*	14251.50	44.14	5.57	49.71	68.20	-18.49	Peak	Horizontal
*	10157.90	40.41	5.90	46.31	68.20	-21.89	Peak	Vertical
	11439.70	43.95	5.30	49.25	74.00	-24.75	Peak	Vertical
	12055.10	42.13	5.17	47.30	74.00	-26.70	Peak	Vertical
*	13687.10	44.44	4.64	49.08	68.20	-19.12	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 149
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
	11490.70	40.25	5.33	45.58	54.00	-8.42	Average	Horizontal
	12214.90	43.11	4.87	47.98	74.00	-26.02	Peak	Horizontal
*	13945.50	44.45	5.14	49.59	68.20	-18.61	Peak	Horizontal
*	17236.70	56.48	3.22	59.70	68.20	-8.50	Peak	Horizontal
	11490.70	43.22	5.33	48.55	54.00	-5.45	Average	Vertical
	11490.70	52.29	5.33	57.62	74.00	-16.38	Peak	Vertical
	12282.90	42.27	4.94	47.21	74.00	-26.79	Peak	Vertical
*	13938.70	44.19	5.22	49.41	68.20	-18.79	Peak	Vertical
*	17238.40	53.11	3.22	56.33	68.20	-11.87	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Bob Zhang
Test Date	2025-03-12	Test Mode	802.11a – Channel 157
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.		

Mark	Frequency (MHz)	Reading Level (dB $\mu$ V)	Factor (dB/m)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB/m)	Detector	Polarization
	11570.60	43.59	5.17	48.76	54.00	-5.24	Average	Horizontal
	11570.60	52.16	5.17	57.33	74.00	-16.67	Peak	Horizontal
	12333.90	40.37	4.68	45.05	74.00	-28.95	Peak	Horizontal
*	13988.00	44.09	5.37	49.46	68.20	-18.74	Peak	Horizontal
*	17359.10	54.72	3.27	57.99	68.20	-10.21	Peak	Horizontal
	11572.30	45.40	5.19	50.59	54.00	-3.41	Average	Vertical
	11572.30	54.14	5.19	59.33	74.00	-14.67	Peak	Vertical
	12337.30	41.93	4.68	46.61	74.00	-27.39	Peak	Vertical
*	13787.40	43.72	4.79	48.51	68.20	-19.69	Peak	Vertical
*	17354.00	53.05	3.24	56.29	68.20	-11.91	Peak	Vertical

Note 1: " \* " is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)