



![](_page_1_Picture_0.jpeg)

![](_page_1_Figure_2.jpeg)

![](_page_2_Picture_0.jpeg)

![](_page_2_Figure_2.jpeg)

![](_page_3_Picture_0.jpeg)

![](_page_3_Figure_2.jpeg)

![](_page_4_Picture_0.jpeg)

#### A.6 Radiated Spurious Emission Test Result

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-11-22	Test Mode	Mode 1
Remark:	1. Average measurement was not perfo	ormed if peak level lower	than average limit.
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.

Test	Frequency (MHz)	Reading	Factor	Measure	Limit	Margin (dB)	Detector	Polarization
Chaimor	(	(dBµV)	(42,111)	(dBµV/m)		(42)		
	240.0	4.5	16.3	20.8	46.0	-25.2	Quasi-Peak	Horizontal
	360.0	4.9	19.9	24.8	46.0	-21.2	Quasi-Peak	Horizontal
	480.0	9.0	22.9	31.9	46.0	-14.1	Quasi-Peak	Horizontal
	705.1	1.3	26.9	28.2	46.0	-17.8	Quasi-Peak	Horizontal
	720.2	6.9	27.1	34.0	46.0	-12.0	Quasi-Peak	Horizontal
	960.0	8.2	30.2	38.4	46.0	-7.6	Quasi-Peak	Horizontal
	45.3	-1.9	18.5	16.6	40.0	-23.4	Quasi-Peak	Vertical
	120.0	9.7	15.9	25.6	43.5	-17.9	Quasi-Peak	Vertical
	360.0	4.6	19.9	24.5	46.0	-21.5	Quasi-Peak	Vertical
03	480.0	13.7	22.9	36.6	46.0	-9.4	Quasi-Peak	Vertical
	600.0	4.1	25.6	29.7	46.0	-16.3	Quasi-Peak	Vertical
	960.0	7.6	30.2	37.8	46.0	-8.2	Quasi-Peak	Vertical
	2708.5	44.7	-2.4	42.3	74.0	-31.7	Peak	Horizontal
	3618.0	42.4	0.0	42.4	74.0	-31.6	Peak	Horizontal
	7434.5	36.9	8.5	45.4	74.0	-28.6	Peak	Horizontal
	2708.5	67.7	-2.4	65.3	74.0	-8.7	Peak	Vertical
	2708.5	35.1	-2.4	32.7	54.0	-21.3	Average	Vertical
	5003.5	36.9	3.6	40.5	74.0	-33.5	Peak	Vertical
	7562.0	37.0	8.4	45.4	74.0	-28.6	Peak	Vertical

Note 1: Measure Level  $(dB\mu V/m) = Reading Level (dB\mu V) + Factor (dB/m)$ 

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_5_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-11-22	Test Mode	Mode 1
Remark:	1. Average measurement was not perfo	ormed if peak level lower	than average limit.
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.

Test Channel	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	51.8	-2.8	18.6	15.8	40.0	-24.2	Quasi-Peak	Horizontal
	180.0	0.8	16.9	17.7	43.5	-25.8	Quasi-Peak	Horizontal
	360.0	5.7	19.9	25.6	46.0	-20.4	Quasi-Peak	Horizontal
	480.0	7.0	22.9	29.9	46.0	-16.1	Quasi-Peak	Horizontal
	720.0	3.3	27.0	30.3	46.0	-15.7	Quasi-Peak	Horizontal
	960.0	4.7	30.2	34.9	46.0	-11.1	Quasi-Peak	Horizontal
	60.0	4.4	18.0	22.4	40.0	-17.6	Quasi-Peak	Vertical
	120.0	8.4	15.9	24.3	43.5	-19.2	Quasi-Peak	Vertical
07	180.0	3.3	16.9	20.2	43.5	-23.3	Quasi-Peak	Vertical
27	240.0	5.4	16.3	21.7	46.0	-24.3	Quasi-Peak	Vertical
	360.0	8.8	19.9	28.7	46.0	-17.3	Quasi-Peak	Vertical
	480.0	8.6	22.9	31.5	46.0	-14.5	Quasi-Peak	Vertical
	2827.5	39.5	-1.9	37.6	74.0	-36.4	Peak	Horizontal
	3660.5	40.2	-0.1	40.1	74.0	-33.9	Peak	Horizontal
	7545.0	36.9	8.6	45.5	74.0	-28.5	Peak	Horizontal
	2742.5	48.0	-2.4	45.6	74.0	-28.4	Peak	Vertical
	4578.5	38.7	2.5	41.2	74.0	-32.8	Peak	Vertical
	7400.5	35.4	8.5	43.9	74.0	-30.1	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_6_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-11-22	Test Mode	Mode 1
Remark:	1. Average measurement was not perfo	ormed if peak level lower	than average limit.
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.

Test Channel	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	47.5	-2.6	18.5	15.9	40.0	-24.1	Quasi-Peak	Horizontal
	200.3	-2.6	15.0	12.4	43.5	-31.1	Quasi-Peak	Horizontal
	240.0	1.3	16.3	17.6	46.0	-28.4	Quasi-Peak	Horizontal
	360.0	1.9	19.9	21.8	46.0	-24.2	Quasi-Peak	Horizontal
	480.0	9.7	22.9	32.6	46.0	-13.4	Quasi-Peak	Horizontal
	960.0	5.1	30.2	35.3	46.0	-10.7	Quasi-Peak	Horizontal
	60.0	9.2	18.0	27.2	40.0	-12.8	Quasi-Peak	Vertical
	120.0	16.2	15.9	32.1	43.5	-11.4	Quasi-Peak	Vertical
10	180.0	4.2	16.9	21.1	43.5	-22.4	Quasi-Peak	Vertical
49	360.0	8.7	19.9	28.6	46.0	-17.4	Quasi-Peak	Vertical
	480.0	12.8	22.9	35.7	46.0	-10.3	Quasi-Peak	Vertical
	600.0	5.9	25.6	31.5	46.0	-14.5	Quasi-Peak	Vertical
	2776.5	38.8	-2.1	36.7	74.0	-37.3	Peak	Horizontal
	3703.0	41.0	0.1	41.1	74.0	-32.9	Peak	Horizontal
	7485.5	37.0	8.6	45.6	74.0	-28.4	Peak	Horizontal
	2785.0	44.3	-2.1	42.2	74.0	-31.8	Peak	Vertical
	3703.0	40.2	0.1	40.3	74.0	-33.7	Peak	Vertical
	7451.5	36.5	8.6	45.1	74.0	-28.9	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_7_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-11-22	Test Mode	Mode 2
Remark:	1. Average measurement was not perfo	ormed if peak level lower	than average limit.
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.

Test Channel	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	120.0	3.5	15.9	19.4	43.5	-24.1	Quasi-Peak	Horizontal
	180.0	2.0	16.9	18.9	43.5	-24.6	Quasi-Peak	Horizontal
	320.0	-3.0	19.2	16.2	46.0	-29.8	Quasi-Peak	Horizontal
	360.0	4.9	19.9	24.8	46.0	-21.2	Quasi-Peak	Horizontal
	480.0	10.8	22.9	33.7	46.0	-12.3	Quasi-Peak	Horizontal
	960.0	5.9	30.2	36.1	46.0	-9.9	Quasi-Peak	Horizontal
	53.8	-2.7	18.5	15.8	40.0	-24.2	Quasi-Peak	Vertical
	60.0	9.8	18.0	27.8	40.0	-12.2	Quasi-Peak	Vertical
	120.0	15.9	15.9	31.8	43.5	-11.7	Quasi-Peak	Vertical
06	360.0	9.2	19.9	29.1	46.0	-16.9	Quasi-Peak	Vertical
	480.0	13.4	22.9	36.3	46.0	-9.7	Quasi-Peak	Vertical
	600.0	6.6	25.6	32.2	46.0	-13.8	Quasi-Peak	Vertical
	2827.5	39.5	-1.9	37.6	74.0	-36.4	Peak	Horizontal
	4638.0	36.7	2.7	39.4	74.0	-34.6	Peak	Horizontal
	7579.0	37.7	8.3	46.0	74.0	-28.0	Peak	Horizontal
	2717.0	44.9	-2.3	42.6	74.0	-31.4	Peak	Vertical
	3949.5	35.3	0.8	36.1	74.0	-37.9	Peak	Vertical
	7502.5	36.8	8.5	45.3	74.0	-28.7	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_8_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-11-22	Test Mode	Mode 2
Remark:	1. Average measurement was not perfo	ormed if peak level lower	than average limit.
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.

Test Channel	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	120.0	2.3	15.9	18.2	43.5	-25.3	Quasi-Peak	Horizontal
	271.5	-2.1	17.7	15.6	46.0	-30.4	Quasi-Peak	Horizontal
	360.0	8.9	19.9	28.8	46.0	-17.2	Quasi-Peak	Horizontal
	480.0	7.6	22.9	30.5	46.0	-15.5	Quasi-Peak	Horizontal
	600.0	1.7	25.6	27.3	46.0	-18.7	Quasi-Peak	Horizontal
	960.0	4.8	30.2	35.0	46.0	-11.0	Quasi-Peak	Horizontal
	60.0	9.8	18.0	27.8	40.0	-12.2	Quasi-Peak	Vertical
	120.0	17.2	15.9	33.1	43.5	-10.4	Quasi-Peak	Vertical
	150.0	0.2	18.1	18.3	43.5	-25.2	Quasi-Peak	Vertical
26	360.0	10.7	19.9	30.6	46.0	-15.4	Quasi-Peak	Vertical
	480.0	13.3	22.9	36.2	46.0	-9.8	Quasi-Peak	Vertical
	600.0	7.6	25.6	33.2	46.0	-12.8	Quasi-Peak	Vertical
	3779.5	37.6	0.4	38.0	74.0	-36.0	Peak	Horizontal
	4706.0	36.5	2.8	39.3	74.0	-34.7	Peak	Horizontal
	7553.5	37.6	8.5	46.1	74.0	-27.9	Peak	Horizontal
	2742.5	42.1	-2.4	39.7	74.0	-34.3	Peak	Vertical
	4723.0	37.8	3.0	40.8	74.0	-33.2	Peak	Vertical
	7477.0	37.3	8.6	45.9	74.0	-28.1	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_9_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-11-22	Test Mode	Mode 2
Remark:	1. Average measurement was not perfo	ormed if peak level lower	than average limit.
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.

Test Channel	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	60.0	0.3	18.0	18.3	40.0	-21.7	Quasi-Peak	Horizontal
	120.0	3.2	15.9	19.1	43.5	-24.4	Quasi-Peak	Horizontal
	160.0	-2.4	18.3	15.9	43.5	-27.6	Quasi-Peak	Horizontal
	360.0	5.9	19.9	25.8	46.0	-20.2	Quasi-Peak	Horizontal
	480.0	7.6	22.9	30.5	46.0	-15.5	Quasi-Peak	Horizontal
	600.0	0.8	25.6	26.4	46.0	-19.6	Quasi-Peak	Horizontal
	60.0	9.9	18.0	27.9	40.0	-12.1	Quasi-Peak	Vertical
	120.0	18.3	15.9	34.2	43.5	-9.3	Quasi-Peak	Vertical
40	180.0	4.6	16.9	21.5	43.5	-22.0	Quasi-Peak	Vertical
46	360.0	4.2	19.9	24.1	46.0	-21.9	Quasi-Peak	Vertical
	480.0	10.3	22.9	33.2	46.0	-12.8	Quasi-Peak	Vertical
	600.0	5.4	25.6	31.0	46.0	-15.0	Quasi-Peak	Vertical
	2785.0	38.3	-2.1	36.2	74.0	-37.8	Peak	Horizontal
	4119.5	36.6	1.2	37.8	74.0	-36.2	Peak	Horizontal
	7349.5	36.2	8.4	44.6	74.0	-29.4	Peak	Horizontal
	3822.0	37.6	0.3	37.9	74.0	-36.1	Peak	Vertical
	4774.0	34.7	2.7	37.4	74.0	-36.6	Peak	Vertical
	7553.5	37.3	8.5	45.8	74.0	-28.2	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_10_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang			
Test Date	2023-11-22	Test Mode	Mode 3			
Remark:	1. Average measurement was not performed if peak level lower than average limit.					
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.			

Test	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
Channel	(MHz)	Level	(dB/m)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
	60.0	0.4	18.0	18.4	40.0	-21.6	Quasi-Peak	Horizontal
	148.0	-2.6	18.0	15.4	43.5	-28.1	Quasi-Peak	Horizontal
	240.0	2.9	16.3	19.2	46.0	-26.8	Quasi-Peak	Horizontal
	360.0	5.2	19.9	25.1	46.0	-20.9	Quasi-Peak	Horizontal
	480.0	10.1	22.9	33.0	46.0	-13.0	Quasi-Peak	Horizontal
	600.0	5.4	25.6	31.0	46.0	-15.0	Quasi-Peak	Horizontal
	60.0	10.8	18.0	28.8	40.0	-11.2	Quasi-Peak	Vertical
	120.0	18.7	15.9	34.6	43.5	-8.9	Quasi-Peak	Vertical
	240.0	6.9	16.3	23.2	46.0	-22.8	Quasi-Peak	Vertical
	360.0	8.7	19.9	28.6	46.0	-17.4	Quasi-Peak	Vertical
08	480.0	12.2	22.9	35.1	46.0	-10.9	Quasi-Peak	Vertical
	600.0	7.2	25.6	32.8	46.0	-13.2	Quasi-Peak	Vertical
	2717.0	54.0	-2.3	51.7	74.0	-22.3	Peak	Horizontal
	2717.0	30.2	-2.3	27.9	54.0	-26.1	Average	Horizontal
	5071.5	36.8	3.8	40.6	74.0	-33.4	Peak	Horizontal
	7494.0	36.9	8.6	45.5	74.0	-28.5	Peak	Horizontal
	2717.0	64.0	-2.3	61.7	74.0	-12.3	Peak	Vertical
	2717.0	30.2	-2.3	27.9	54.0	-26.1	Average	Vertical
	4986.5	36.7	3.6	40.3	74.0	-33.7	Peak	Vertical
	7545.0	36.8	8.6	45.4	74.0	-28.6	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_11_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang			
Test Date	2023-11-22	Test Mode	Mode 3			
Remark:	1. Average measurement was not performed if peak level lower than average limit.					
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.			

Test	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
Channel	(MHz)	Level	(dB/m)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
	60.0	0.5	18.0	18.5	40.0	-21.5	Quasi-Peak	Horizontal
	120.0	3.0	15.9	18.9	43.5	-24.6	Quasi-Peak	Horizontal
	168.7	-2.5	18.0	15.5	43.5	-28.0	Quasi-Peak	Horizontal
	360.0	5.0	19.9	24.9	46.0	-21.1	Quasi-Peak	Horizontal
	480.0	9.6	22.9	32.5	46.0	-13.5	Quasi-Peak	Horizontal
	960.0	7.0	30.2	37.2	46.0	-8.8	Quasi-Peak	Horizontal
	60.0	12.3	18.0	30.3	40.0	-9.7	Quasi-Peak	Vertical
	120.0	18.3	15.9	34.2	43.5	-9.3	Quasi-Peak	Vertical
	180.0	3.9	16.9	20.8	43.5	-22.7	Quasi-Peak	Vertical
0.4	360.0	9.6	19.9	29.5	46.0	-16.5	Quasi-Peak	Vertical
24	480.0	14.6	22.9	37.5	46.0	-8.5	Quasi-Peak	Vertical
	600.0	7.2	25.6	32.8	46.0	-13.2	Quasi-Peak	Vertical
	2742.0	57.4	-2.4	55.0	74.0	-19.0	Peak	Horizontal
	2742.0	29.6	-2.4	27.2	54.0	-26.8	Average	Horizontal
	4714.5	36.8	2.9	39.7	74.0	-34.3	Peak	Horizontal
	7545.0	37.4	8.6	46.0	74.0	-28.0	Peak	Horizontal
	2751.0	57.5	-2.2	55.3	74.0	-18.7	Peak	Vertical
	2751.0	32.0	-2.2	29.8	54.0	-24.2	Average	Vertical
	3898.5	37.8	0.6	38.4	74.0	-35.6	Peak	Vertical
	7460.0	35.9	8.6	44.5	74.0	-29.5	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_12_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang		
Test Date	2023-11-22	Test Mode	Mode 3		
Remark:	1. Average measurement was not performed if peak level lower than average limit.				
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.		

Test Channel	Frequency (MHz)	Reading Level	Factor (dB/m)	Measure Level	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
		(dBµV)		(dBµV/m)				
	60.0	0.1	18.0	18.1	40.0	-21.9	Quasi-Peak	Horizontal
	120.0	0.6	15.9	16.5	43.5	-27.0	Quasi-Peak	Horizontal
	240.0	3.0	16.3	19.3	46.0	-26.7	Quasi-Peak	Horizontal
	360.0	2.3	19.9	22.2	46.0	-23.8	Quasi-Peak	Horizontal
	480.0	8.7	22.9	31.6	46.0	-14.4	Quasi-Peak	Horizontal
	960.0	3.0	30.2	33.2	46.0	-12.8	Quasi-Peak	Horizontal
	60.0	5.2	18.0	23.2	40.0	-16.8	Quasi-Peak	Vertical
	60.0	11.2	18.0	29.2	40.0	-10.8	Quasi-Peak	Vertical
	120.0	19.3	15.9	35.2	43.5	-8.3	Quasi-Peak	Vertical
40	180.0	5.0	16.9	21.9	43.5	-21.6	Quasi-Peak	Vertical
	360.0	10.4	19.9	30.3	46.0	-15.7	Quasi-Peak	Vertical
	480.0	14.6	22.9	37.5	46.0	-8.5	Quasi-Peak	Vertical
	2827.5	38.7	-1.9	36.8	74.0	-37.2	Peak	Horizontal
	4119.5	38.4	1.2	39.6	74.0	-34.4	Peak	Horizontal
	7519.5	36.8	8.4	45.2	74.0	-28.8	Peak	Horizontal
	2759.5	63.3	-2.2	61.1	74.0	-12.9	Peak	Vertical
	2759.5	29.7	-2.2	27.5	54.0	-26.5	Average	Vertical
	4119.5	36.5	1.2	37.7	74.0	-36.3	Peak	Vertical
	7443.0	36.4	8.6	45.0	74.0	-29.0	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_13_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang			
Test Date	2023-11-22	Test Mode	Mode 4			
Remark:	1. Average measurement was not performed if peak level lower than average limit.					
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.			

Test Channel	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	60.0	1.6	18.0	19.6	40.0	-20.4	Quasi-Peak	Horizontal
	120.0	3.2	15.9	19.1	43.5	-24.4	Quasi-Peak	Horizontal
	240.0	4.0	16.3	20.3	46.0	-25.7	Quasi-Peak	Horizontal
	360.0	3.7	19.9	23.6	46.0	-22.4	Quasi-Peak	Horizontal
	480.0	9.3	22.9	32.2	46.0	-13.8	Quasi-Peak	Horizontal
	960.0	5.3	30.2	35.5	46.0	-10.5	Quasi-Peak	Horizontal
	60.0	11.3	18.0	29.3	40.0	-10.7	Quasi-Peak	Vertical
	120.0	17.6	15.9	33.5	43.5	-10.0	Quasi-Peak	Vertical
10	240.0	7.3	16.3	23.6	46.0	-22.4	Quasi-Peak	Vertical
12	360.0	10.0	19.9	29.9	46.0	-16.1	Quasi-Peak	Vertical
	480.0	12.3	22.9	35.2	46.0	-10.8	Quasi-Peak	Vertical
	600.0	6.3	25.6	31.9	46.0	-14.1	Quasi-Peak	Vertical
	2785.0	39.1	-2.1	37.0	74.0	-37.0	Peak	Horizontal
	4026.0	36.6	1.1	37.7	74.0	-36.3	Peak	Horizontal
	7392.0	37.1	8.5	45.6	74.0	-28.4	Peak	Horizontal
	2802.0	39.2	-2.1	37.1	74.0	-36.9	Peak	Vertical
	4051.5	36.5	0.9	37.4	74.0	-36.6	Peak	Vertical
	7477.0	35.6	8.6	44.2	74.0	-29.8	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_14_Picture_1.jpeg)

Test Site	WZ-AC1	Test Engineer	Carl Jiang			
Test Date	2023-11-22	Test Mode	Mode 4			
Remark:	1. Average measurement was not performed if peak level lower than average limit.					
	2. Other frequency was 20dB below lim	it line, there is not show	in the report.			

Test Channel	Frequency (MHz)	Reading Level (dBµV)	Factor (dB/m)	Measure Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	60.0	2.3	18.0	20.3	40.0	-19.7	Quasi-Peak	Horizontal
	120.0	4.4	15.9	20.3	43.5	-23.2	Quasi-Peak	Horizontal
	240.0	4.4	16.3	20.7	46.0	-25.3	Quasi-Peak	Horizontal
	360.0	5.0	19.9	24.9	46.0	-21.1	Quasi-Peak	Horizontal
	480.0	10.3	22.9	33.2	46.0	-12.8	Quasi-Peak	Horizontal
	960.0	5.4	30.2	35.6	46.0	-10.4	Quasi-Peak	Horizontal
	60.0	12.7	18.0	30.7	40.0	-9.3	Quasi-Peak	Vertical
	120.0	19.0	15.9	34.9	43.5	-8.6	Quasi-Peak	Vertical
	240.0	7.3	16.3	23.6	46.0	-22.4	Quasi-Peak	Vertical
28	360.0	9.2	19.9	29.1	46.0	-16.9	Quasi-Peak	Vertical
	480.0	13.7	22.9	36.6	46.0	-9.4	Quasi-Peak	Vertical
	600.0	6.3	25.6	31.9	46.0	-14.1	Quasi-Peak	Vertical
	3915.5	37.4	0.6	38.0	74.0	-36.0	Peak	Horizontal
	4833.5	35.7	3.1	38.8	74.0	-35.2	Peak	Horizontal
	7477.0	35.9	8.6	44.5	74.0	-29.5	Peak	Horizontal
	2836.0	39.0	-1.8	37.2	74.0	-36.8	Peak	Vertical
	4663.5	36.5	2.5	39.0	74.0	-35.0	Peak	Vertical
	7451.5	35.1	8.6	43.7	74.0	-30.3	Peak	Vertical

Note 2: For emission below 1GHz:

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

For emission above 1GHz:

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

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise,

![](_page_15_Picture_0.jpeg)

ΡK

30.165

#### A.7 Radiated Restricted Band Edge Test Result

Site	Site: WZ-AC1					Test Date: 2023-11-22			
Limi	it: FCC_	_Part15.209_F	RSE(3m)		Engineer: C	Carl Jiang			
Prot	be: VUL	.B 9168_25-20	000MHz		Polarity: Ho	orizontal			
EUT	: Wi-Fi	HaLow Modul	е		Power: By	PC			
Test	Mode:	Transmit by 1	M at 903.5MH	Z					
130 130 130 130 130 130 130 130									
No	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре	
	maint	(MHz)	Level	Level	(dB)	(dBuV/m)	(dB/m)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		(	(dBµV/m)	(dBµV)	(/	( - [)	()		
1		613.684	35.553	9.483	-10.447	46.000	26.070	РК	
2		614.000	34.147	8.074	-11.853	46.000	26.073	PK	
3		903.176	111.224	81.794	N/A	N/A	29.431	PK	

Note 1: " \* ", means this data is the worst emission level.

41.106

\*

4

960.000

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

10.942

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

-4.894

46.000

![](_page_16_Picture_1.jpeg)

![](_page_16_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_17_Picture_1.jpeg)

Site	: WZ-A	C1			Test Date: 2	Test Date: 2023-11-22				
Limi	t: FCC_	_Part15.209_F	RSE(3m)		Engineer: C	Engineer: Carl Jiang				
Prot	be: VUL	B 9168_25-20	000MHz		Polarity: Ho	orizontal				
EUT	: Wi-Fi	HaLow Modul	е		Power: By	PC				
Test	Mode:	Transmit by 1	M at 926.5MH	z						
	130									
	0 3   0 0   0 0   12 0   12 0									
	[			F	requency(MHz)			_		
No	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре		
		(MHz)	Level	Level	(dB)	(dBµV/m)	(dB/m)			
			(dBµV/m)	(dBµV)						
1		609.568	36.067	10.095	-9.933	46.000	25.972	PK		
2		614.000	34.758	8.685	-11.242	46.000	26.073	PK		
3		926.696	112.192	82.485	N/A	N/A	29.707	PK		
4	*	960.000	41.183	11.019	-4.817	46.000	30.165	PK		

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_18_Picture_1.jpeg)

![](_page_18_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_19_Picture_1.jpeg)

![](_page_19_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_20_Picture_1.jpeg)

![](_page_20_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_21_Picture_1.jpeg)

Site: WZ-AC1				Test Date: 2	2023-11-22			
Limit: FCC_Part15.209_RSE(3m)				Engineer: C	Engineer: Carl Jiang			
Probe:	: VUL	B 9168_25-20	000MHz		Polarity: Ho	orizontal		
EUT: V	Ni-Fi l	HaLow Modul	e		Power: By	PC		
Test M	Test Mode: Transmit by 2M at 925MHz							
Level(dBuV/m)	130 80 70 60 50 40 12 30 608 6	20 640 660	pud pur politika de la construcción de la construcc	740 760 780	800 820 84 equency(MHz)	цьн и Чен мар учени 10 860 880 9	3 * * *	960 980 1000
No N	/Jark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
		(MHz)	Level	Level	(dB)	(dBµV/m)	(dB/m)	
			(dBµV/m)	(dBµV)				
1		611.528	35.859	9.831	-10.141	46.000	26.028	PK
2		614.000	34.916	8.843	-11.084	46.000	26.073	РК

925.324

960.000

3

4

\*

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

77.874

10.877

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

107.567

41.041

Note 4: Quasi-Peak measurement was not performed when peak measure level was lower than the quasi-peak limit.

N/A

-4.959

N/A

46.000

29.693

30.165

ΡK

ΡK

![](_page_22_Picture_1.jpeg)

![](_page_22_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_23_Picture_1.jpeg)

![](_page_23_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_24_Picture_1.jpeg)

![](_page_24_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_25_Picture_1.jpeg)

Site: WZ-AC1					Test Date: 2023-11-22				
Limit: FCC_Part15.209_RSE(3m)					Engineer: C	Engineer: Carl Jiang			
Prot	be: VUL	B 9168_25-20	000MHz		Polarity: Ho	orizontal			
EUT	: Wi-Fi	HaLow Modul	е		Power: By	PC			
Test	Mode:	Transmit by 4	M at 922MHz						
	130								
	(W) 80 70 60 60 60 60 60 60 60 60 60 6								
No	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре	
		(MHz)	Level	Level	(dB)	(dBµV/m)	(dB/m)		
			(dBµV/m)	(dBµV)					
1		611.920	35.645	9.606	-10.355	46.000	26.039	РК	
2		614.000	35.057	8.984	-10.943	46.000	26.073	PK	
3		922.580	106.045	76.373	N/A	N/A	29.672	PK	
4	*	960.000	41.324	11.160	-4.676	46.000	30.165	PK	

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_26_Picture_1.jpeg)

![](_page_26_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_27_Picture_1.jpeg)

![](_page_27_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_28_Picture_1.jpeg)

![](_page_28_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_29_Picture_1.jpeg)

Site: WZ-AC1					Test Date: 2023-11-22					
Limit: FCC_Part15.209_RSE(3m)					Engineer: C	Engineer: Carl Jiang				
Pro	be: VUL	B 9168_25-20	000MHz		Polarity: Ho	orizontal				
EU	IT: Wi-Fi	HaLow Modu	le		Power: By	PC				
Tes	st Mode:	Transmit by 8	M at 916MHz							
	130									
							3			
							*			
	-									
	n//n									
	el(dB 08						11			
	<u>م</u> 70						1			
	60									
	50									
	40 1	2								
		Evolution advection where the property of the	a chiptaness statistic products	ersteen liter hereiten tersteen de staat min tersteen	raning and the fact of the open and before	all flip was a stranger of the				
	608	620 640 660	680 700 720	740 760 780	0 800 820 8	40 860 880	900 920 940	960 980 1000		
2		1	1	F	requency(MHz)	1				
No	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре		
		(MHz)	Level	Level	(dB)	(dBµV/m)	(dB/m)			
			(dBµV/m)	(dBµV)						
1		612.900	36.210	10.154	-9.790	46.000	26.057	PK		
2		614.000	34.912	8.839	-11.088	46.000	26.073	PK		
3		916.700	102.382	72.769	N/A	N/A	29.613	PK		
4	*	960.000	41.738	11.574	-4.262	46.000	30.165	РК		

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_30_Picture_1.jpeg)

![](_page_30_Figure_2.jpeg)

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

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

![](_page_31_Picture_0.jpeg)

#### A.8 AC Conducted Emissions Test Result

Site: WZ-SR2	Test Date: 2023-11-23
Limit: FCC_Part15.207_CE_AC Power	Engineer: Linda Wei
Probe: ENV216_101683_Filter Off_C	Polarity: Line
EUT: Wi-Fi HaLow Module	Power: AC 120V/60Hz

#### Test Mode: Transmit by 1M at 903.5MHz

![](_page_31_Figure_5.jpeg)

No	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
		(MHz)	Level	Level	(dB)	(dBµV)	(dB)	
			(dBµV)	(dBµV)				
1		0.522	46.077	36.226	-9.923	56.000	9.851	QP
2	*	0.522	37.719	27.867	-8.281	46.000	9.851	AV
3		0.558	43.796	33.928	-12.204	56.000	9.868	QP
4		0.558	35.340	25.472	-10.660	46.000	9.868	AV
5		0.614	42.946	33.052	-13.054	56.000	9.893	QP
6		0.614	35.330	25.437	-10.670	46.000	9.893	AV
7		0.898	42.006	31.972	-13.994	56.000	10.033	QP
8		0.898	33.533	23.500	-12.467	46.000	10.033	AV
9		1.998	40.146	30.043	-15.854	56.000	10.102	QP
10		1.998	30.185	20.083	-15.815	46.000	10.102	AV
11		16.998	44.429	33.972	-15.571	60.000	10.458	QP
12		16.998	33.591	23.133	-16.409	50.000	10.458	AV

Note 1: " \* ", means this data is the worst emission level.

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

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

![](_page_32_Picture_0.jpeg)

Site: WZ-SR2	Test Date: 2023-11-23
Limit: FCC_Part15.207_CE_AC Power	Engineer: Linda Wei
Probe: ENV216_101683_Filter Off_C	Polarity: Neutral
EUT: Wi-Fi HaLow Module	Power: AC 120V/60Hz

### Test Mode: Transmit by 1M at 903.5MHz

![](_page_32_Figure_4.jpeg)

No	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
		(MHz)	Level	Level	(dB)	(dBµV)	(dB)	
			(dBµV)	(dBµV)				
1		0.426	44.620	34.823	-12.710	57.330	9.798	QP
2	*	0.426	39.603	29.805	-7.728	47.330	9.798	AV
3		0.514	45.574	35.736	-10.426	56.000	9.838	QP
4		0.514	37.142	27.304	-8.858	46.000	9.838	AV
5		0.674	40.904	30.985	-15.096	56.000	9.919	QP
6		0.674	34.182	24.264	-11.818	46.000	9.919	AV
7		1.462	40.615	30.539	-15.385	56.000	10.076	QP
8		1.462	30.423	20.347	-15.577	46.000	10.076	AV
9		6.358	39.193	29.001	-20.807	60.000	10.193	QP
10		6.358	32.968	22.776	-17.032	50.000	10.193	AV
11		16.830	41.307	30.918	-18.693	60.000	10.390	QP
12		16.830	33.632	23.243	-16.368	50.000	10.390	AV

Note 1: " \* ", means this data is the worst emission level.

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

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

![](_page_33_Picture_1.jpeg)

# Appendix B - Test Setup Photograph

Refer to "2306RSU004-UT" file.

![](_page_34_Picture_0.jpeg)

## Appendix C - EUT Photograph

Refer to "2306RSU004-UE" file.

The End