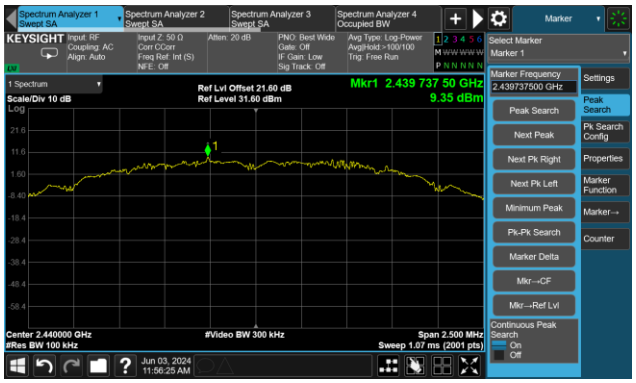
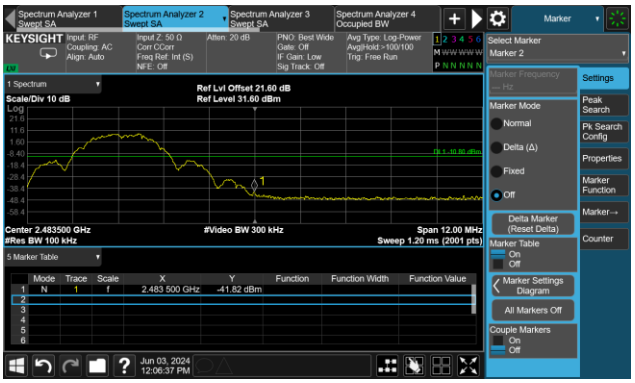
Channel 18 (2440MHz)	
100kHz PSD Reference Level	Spurious Emission
	
Channel 26 (2480MHz)	
100kHz PSD Reference Level	High Band Edge
	
Spurious Emission	
	

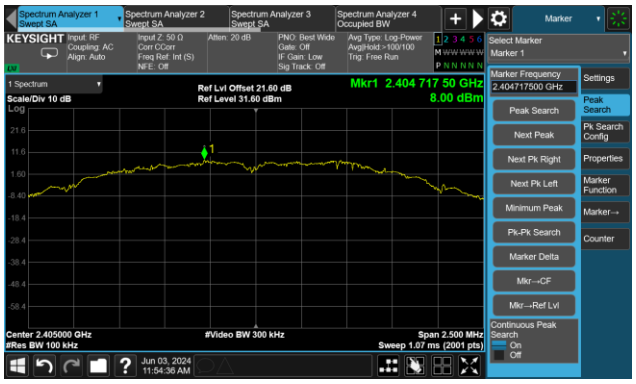
Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2024-06-03	Filter	8#

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.15.4	O-QPSK	11	2405	20	Pass

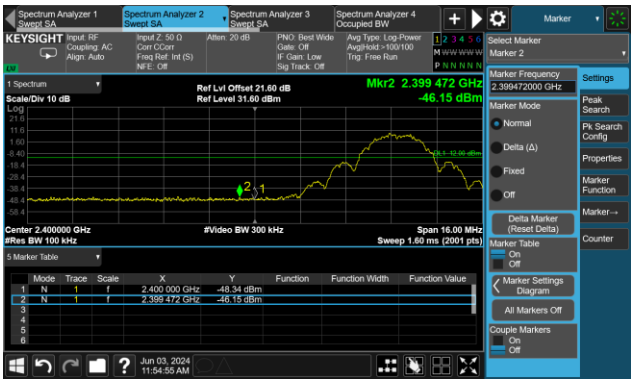
802.15.4 Out-of-Band Emissions

Channel 11 (2405MHz)

100kHz PSD Reference Level



Low Band Edge



Spurious Emission

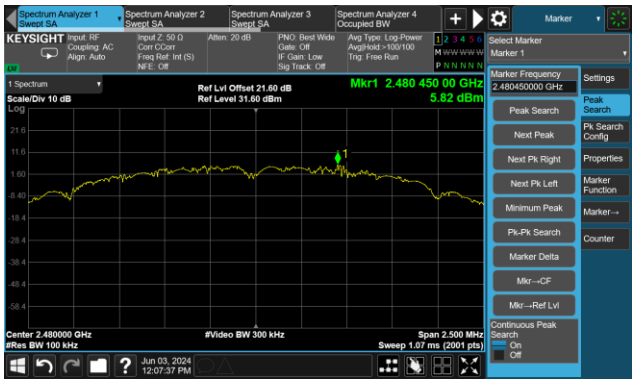
Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2024-06-03	Filter	9#

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.15.4	O-QPSK	26	2480	20	Pass

802.15.4 Out-of-Band Emissions

Channel 26 (2480MHz)

100kHz PSD Reference Level



High Band Edge

Spurious Emission

A.6 Radiated Spurious Emission Test Result

Mode 1

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-06-06	Filter	1#
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11	4026.000	35.3	0.9	36.2	74.0	-37.8	Peak	Horizontal
	4876.000	33.4	3.3	36.7	74.0	-37.3	Peak	Horizontal
	11149.000	32.3	16.5	48.8	74.0	-25.2	Peak	Horizontal
	4077.000	34.1	0.8	34.9	74.0	-39.1	Peak	Horizontal
	4689.000	32.3	3.5	35.8	74.0	-38.2	Peak	Vertical
	11557.000	30.9	17.4	48.3	74.0	-25.7	Peak	Vertical
	4179.000	35.4	1.2	36.6	74.0	-37.4	Peak	Vertical
	4026.000	35.3	0.9	36.2	74.0	-37.8	Peak	Vertical
18	4179.000	35.4	1.2	36.6	74.0	-37.4	Peak	Horizontal
	4816.500	36.8	3.7	40.5	74.0	-33.5	Peak	Horizontal
	11718.500	30.6	17.5	48.1	74.0	-25.9	Peak	Horizontal
	3992.000	33.0	0.4	33.4	74.0	-40.6	Peak	Vertical
	4816.500	34.0	3.7	37.7	74.0	-36.3	Peak	Vertical
	11514.500	31.5	17.2	48.7	74.0	-25.3	Peak	Vertical
26	3873.000	36.4	0.3	36.7	74.0	-37.3	Peak	Horizontal
	4808.000	34.8	3.7	38.5	74.0	-35.5	Peak	Horizontal
	10894.000	32.5	16.2	48.7	74.0	-25.3	Peak	Horizontal
	3881.500	36.1	0.2	36.3	74.0	-37.7	Peak	Vertical
	4833.500	33.7	3.6	37.3	74.0	-36.7	Peak	Vertical
	11718.500	30.5	17.5	48.0	74.0	-26.0	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-06-06	Filter	2#
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11	4264.000	36.7	1.8	38.5	74.0	-35.5	Peak	Horizontal
	7383.500	37.2	11.2	48.4	74.0	-25.6	Peak	Horizontal
	11812.000	31.1	17.5	48.6	74.0	-25.4	Peak	Horizontal
	3992.000	33.5	0.4	33.9	74.0	-40.1	Peak	Vertical
	4748.500	32.2	3.5	35.7	74.0	-38.3	Peak	Vertical
	11489.000	30.6	17.5	48.1	74.0	-25.9	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-06-06	Filter	3#
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
26	4102.500	35.9	1.0	36.9	74.0	-37.1	Peak	Horizontal
	4816.500	33.8	3.7	37.5	74.0	-36.5	Peak	Horizontal
	7383.500	38.0	11.2	49.2	74.0	-24.8	Peak	Horizontal
	4060.000	34.3	0.8	35.1	74.0	-38.9	Peak	Vertical
	7443.000	38.8	11.4	50.2	74.0	-23.8	Peak	Vertical
	11429.500	31.5	17.1	48.6	74.0	-25.4	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Mode 2

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-06-06	Filter	4#
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11	4170.500	35.4	1.1	36.5	74.0	-37.5	Peak	Horizontal
	4859.000	33.0	3.5	36.5	74.0	-37.5	Peak	Horizontal
	11659.000	31.4	17.6	49.0	74.0	-25.0	Peak	Horizontal
	4043.000	34.3	0.9	35.2	74.0	-38.8	Peak	Vertical
	4731.500	33.2	3.4	36.6	74.0	-37.4	Peak	Vertical
	11710.000	31.5	17.5	49.0	74.0	-25.0	Peak	Vertical
18	3898.500	35.8	0.2	36.0	74.0	-38.0	Peak	Horizontal
	7443.000	37.5	11.4	48.9	74.0	-25.1	Peak	Horizontal
	11497.500	31.3	17.4	48.7	74.0	-25.3	Peak	Horizontal
	4876.000	33.5	3.3	36.8	74.0	-37.2	Peak	Vertical
	7443.000	40.0	11.4	51.4	54.0	-2.6	Peak	Vertical
	7443.000	36.2	11.4	47.6	54.0	-6.4	Average	Vertical
	11472.000	31.8	17.4	49.2	74.0	-24.8	Peak	Vertical
26	4060.000	33.8	0.8	34.6	74.0	-39.4	Peak	Horizontal
	5037.500	35.3	3.9	39.2	74.0	-34.8	Peak	Horizontal
	12381.500	30.0	16.8	46.8	74.0	-27.2	Peak	Horizontal
	3992.000	33.4	0.4	33.8	74.0	-40.2	Peak	Vertical
	4799.500	35.8	3.7	39.5	74.0	-34.5	Peak	Vertical
	11378.500	28.5	17.2	45.7	74.0	-28.3	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-06-06	Filter	5#
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11	4077.000	35.3	0.8	36.1	74.0	-37.9	Peak	Horizontal
	4986.500	33.9	3.6	37.5	74.0	-36.5	Peak	Horizontal
	11378.500	30.0	17.2	47.2	74.0	-26.8	Peak	Horizontal
	4094.000	35.4	0.9	36.3	74.0	-37.7	Peak	Vertical
	4791.000	33.9	3.8	37.7	74.0	-36.3	Peak	Vertical
	11982.000	31.6	16.7	48.3	74.0	-25.7	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-06-06	Filter	6#
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
26	4145.000	36.6	1.0	37.6	74.0	-36.4	Peak	Horizontal
	4663.500	32.4	3.3	35.7	74.0	-38.3	Peak	Horizontal
	11795.000	31.2	17.4	48.6	74.0	-25.4	Peak	Horizontal
	4068.500	36.9	0.8	37.7	74.0	-36.3	Peak	Vertical
	4791.000	32.1	3.8	35.9	74.0	-38.1	Peak	Vertical
	11514.500	31.2	17.2	48.4	74.0	-25.6	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)								

Mode 3

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-06-06	Filter	7#
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11	3864.500	36.3	0.3	36.6	74.0	-37.4	Peak	Horizontal
	4816.500	35.2	3.7	38.9	74.0	-35.1	Peak	Horizontal
	11072.500	30.2	16.4	46.6	74.0	-27.4	Peak	Horizontal
	4102.500	36.2	1.0	37.2	74.0	-36.8	Peak	Vertical
	4833.500	34.5	3.6	38.1	74.0	-35.9	Peak	Vertical
	11472.000	31.9	17.4	49.3	74.0	-24.7	Peak	Vertical
18	4136.500	33.4	1.1	34.5	74.0	-39.5	Peak	Horizontal
	7443.000	37.3	11.4	48.7	74.0	-25.3	Peak	Horizontal
	11497.500	31.2	17.4	48.6	74.0	-25.4	Peak	Horizontal
	4808.000	36.2	3.7	39.9	74.0	-34.1	Peak	Vertical
	7434.500	39.9	11.4	51.3	74.0	-22.7	Peak	Vertical
	11327.500	31.3	17.3	48.6	74.0	-25.4	Peak	Vertical
26	4085.500	36.0	0.9	36.9	74.0	-37.1	Peak	Horizontal
	4876.000	33.2	3.3	36.5	74.0	-37.5	Peak	Horizontal
	11064.000	31.8	16.2	48.0	74.0	-26.0	Peak	Horizontal
	3796.500	36.7	0.4	37.1	74.0	-36.9	Peak	Vertical
	4859.000	33.0	3.5	36.5	74.0	-37.5	Peak	Vertical
	11472.000	31.9	17.4	49.3	74.0	-24.7	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-06-06	Filter	8#
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.		

Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11	4094.000	35.5	0.9	36.4	74.0	-37.6	Peak	Horizontal
	4944.000	34.2	3.5	37.7	74.0	-36.3	Peak	Horizontal
	11480.500	30.5	17.4	47.9	74.0	-26.1	Peak	Horizontal
	3873.000	36.7	0.3	37.0	74.0	-37.0	Peak	Vertical
	4833.500	35.8	3.6	39.4	74.0	-34.6	Peak	Vertical
	11472.000	31.2	17.4	48.6	74.0	-25.4	Peak	Vertical
	4094.000	35.5	0.9	36.4	74.0	-37.6	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WZ-AC2	Test Engineer	Lucas Wang
Test Date	2024-06-06	Filter	9#
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.		

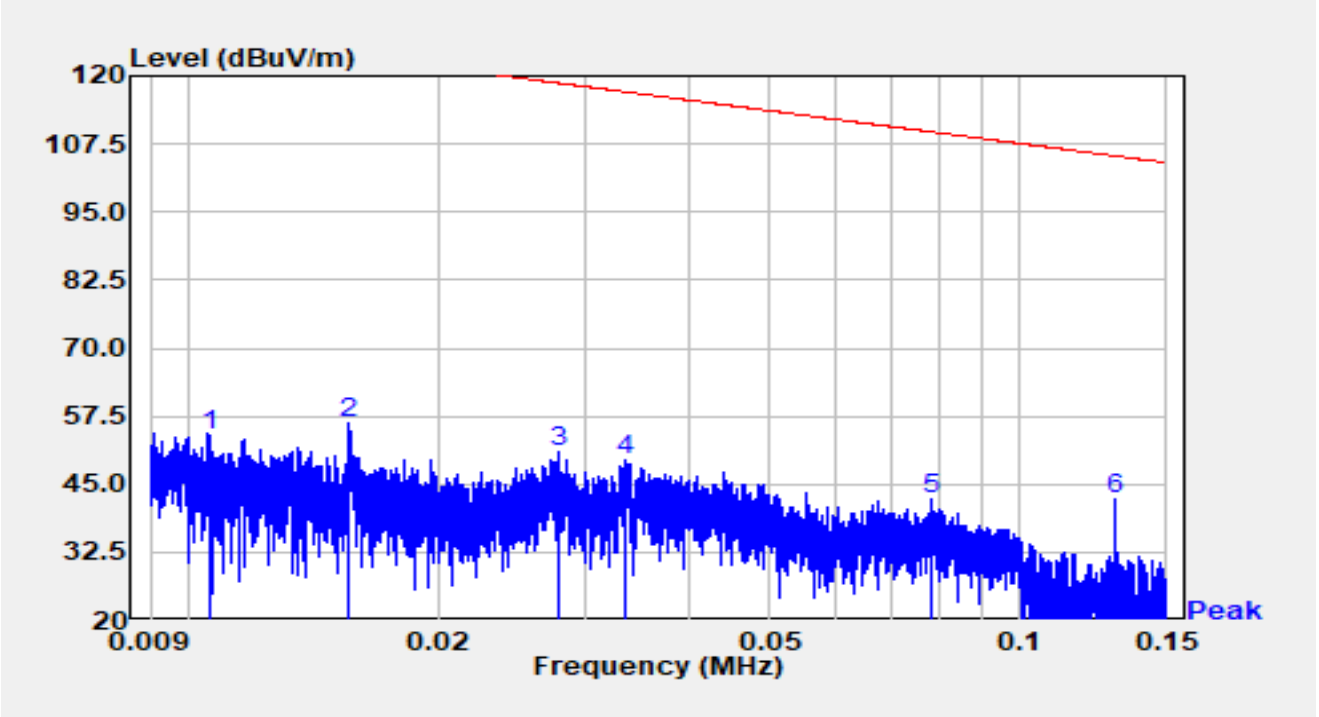
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
26	3873.000	36.9	0.3	37.2	74.0	-36.8	Peak	Horizontal
	4808.000	36.2	3.7	39.9	74.0	-34.1	Peak	Horizontal
	11625.000	31.0	17.3	48.3	74.0	-25.7	Peak	Horizontal
	4102.500	35.8	1.0	36.8	74.0	-37.2	Peak	Vertical
	4808.000	35.9	3.7	39.6	74.0	-34.4	Peak	Vertical
	11812.000	31.8	17.5	49.3	74.0	-24.7	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Result of Radiated Emission 9kHz ~ 30MHz:

Site	WZ-AC2	Test Date	2024-07-31
Test Engineer	Bob Zhang	Temp./Humidity	25.5°C/56.8%
Factor	FMZB1519B_9kHz-30MHz	Polarity	Coaxial
EUT	ACCESS POINT	Test Voltage	AC 120V/60V
Test Mode	Transmit by Zigbee at 2405MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1		0.011	33.64	20.40	54.05	-73.05	127.10	Peak
2		0.016	36.05	20.20	56.25	-67.47	123.71	Peak
3		0.028	31.09	19.71	50.80	-67.91	118.71	Peak
4		0.034	29.87	19.47	49.34	-67.72	117.06	Peak
5		0.078	23.26	19.16	42.42	-67.29	109.71	Peak
6	*	0.130	23.20	19.11	42.31	-63.00	105.31	Peak

Notes:

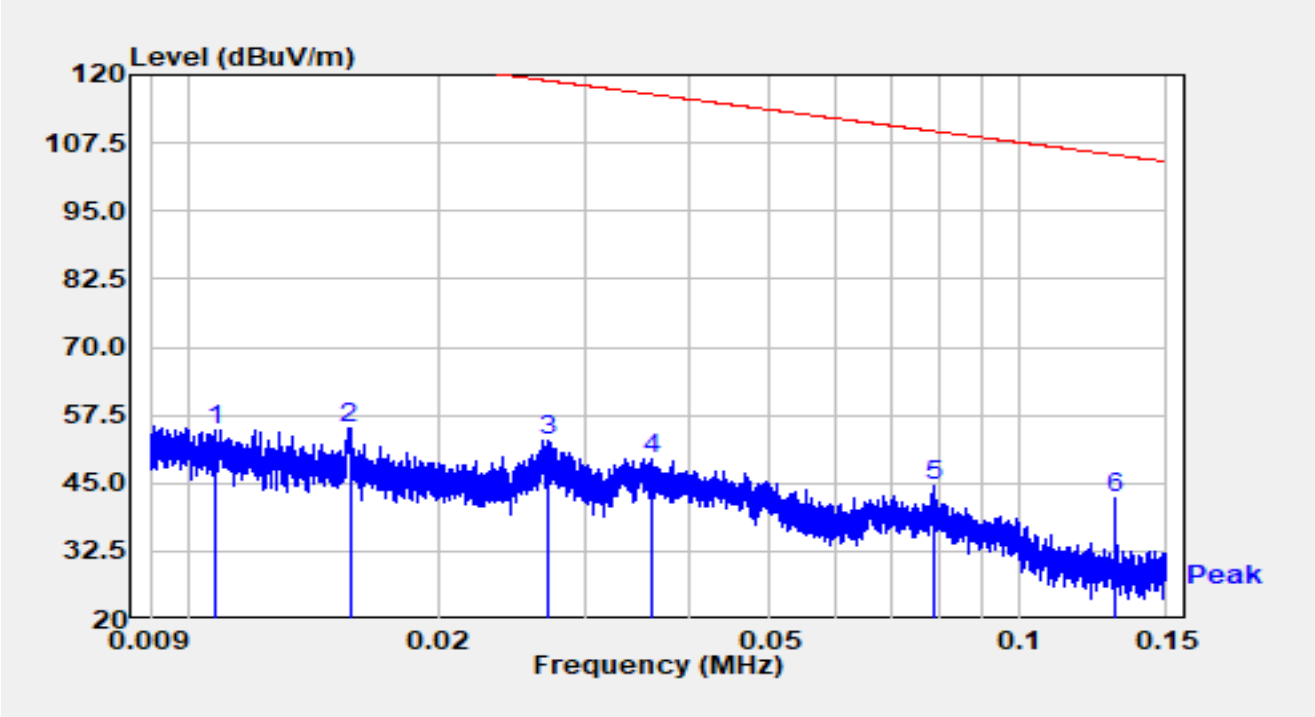
1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

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

Site	WZ-AC2	Test Date	2024-07-31
Test Engineer	Bob Zhang	Temp./Humidity	25.5°C/56.8%
Factor	FMZB1519B_9kHz-30MHz	Polarity	Coplanar
EUT	ACCESS POINT	Test Voltage	AC 120V/60V
Test Mode	Transmit by Zigbee at 2405MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1		0.011	34.40	20.39	54.79	-72.12	126.91	Peak
2		0.016	34.91	20.20	55.11	-68.60	123.71	Peak
3		0.027	32.94	19.74	52.68	-66.28	118.96	Peak
4		0.036	29.88	19.37	49.26	-67.18	116.44	Peak
5		0.079	25.32	19.16	44.48	-65.19	109.67	Peak
6	*	0.130	23.20	19.11	42.31	-63.00	105.31	Peak

Notes:

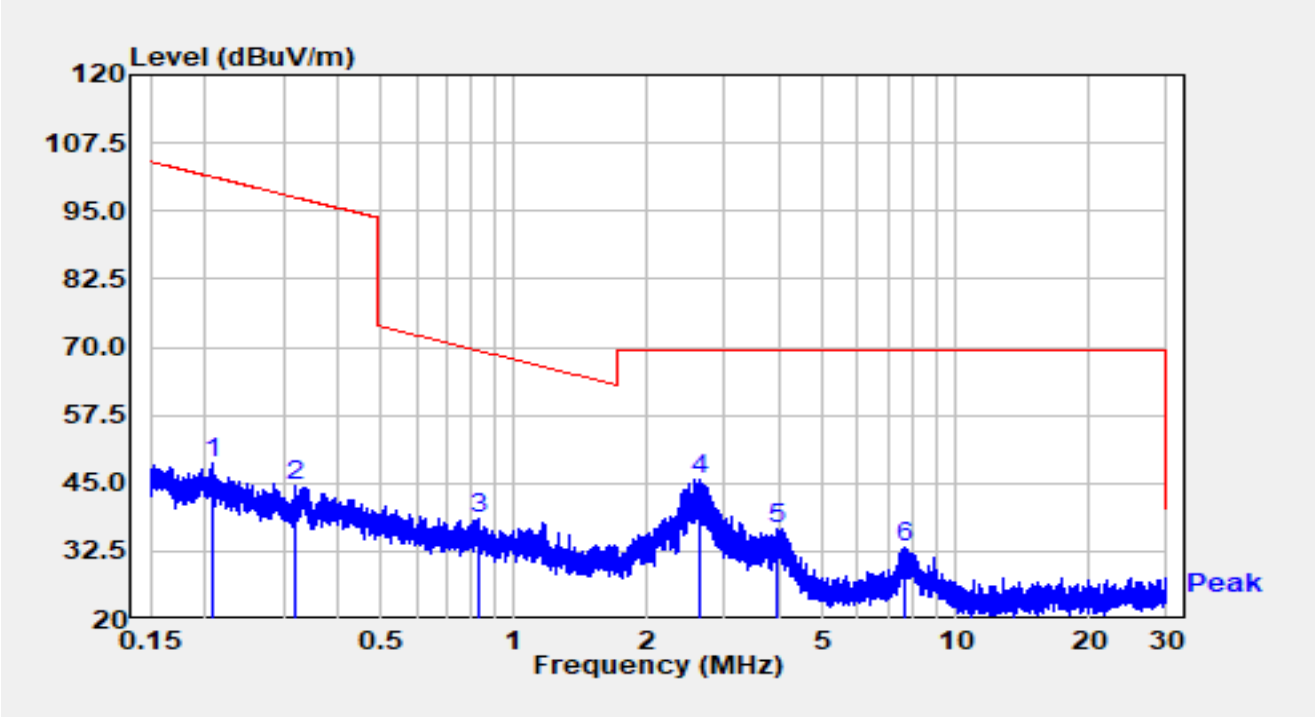
1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

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

Site	WZ-AC2	Test Date	2024-07-31
Test Engineer	Bob Zhang	Temp./Humidity	25.5°C/56.8%
Factor	FMZB1519B_9kHz-30MHz	Polarity	Coaxial
EUT	ACCESS POINT	Test Voltage	AC 120V/60V
Test Mode	Transmit by Zigbee at 2405MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1		0.207	29.64	19.09	48.73	-52.54	101.27	Peak
2		0.320	25.36	19.08	44.44	-53.05	97.49	Peak
3		0.830	19.21	19.09	38.31	-30.93	69.23	Peak
4	*	2.637	26.59	19.23	45.82	-23.68	69.50	Peak
5		3.943	17.40	19.27	36.67	-32.83	69.50	Peak
6		7.663	13.90	19.13	33.03	-36.47	69.50	Peak

Notes:

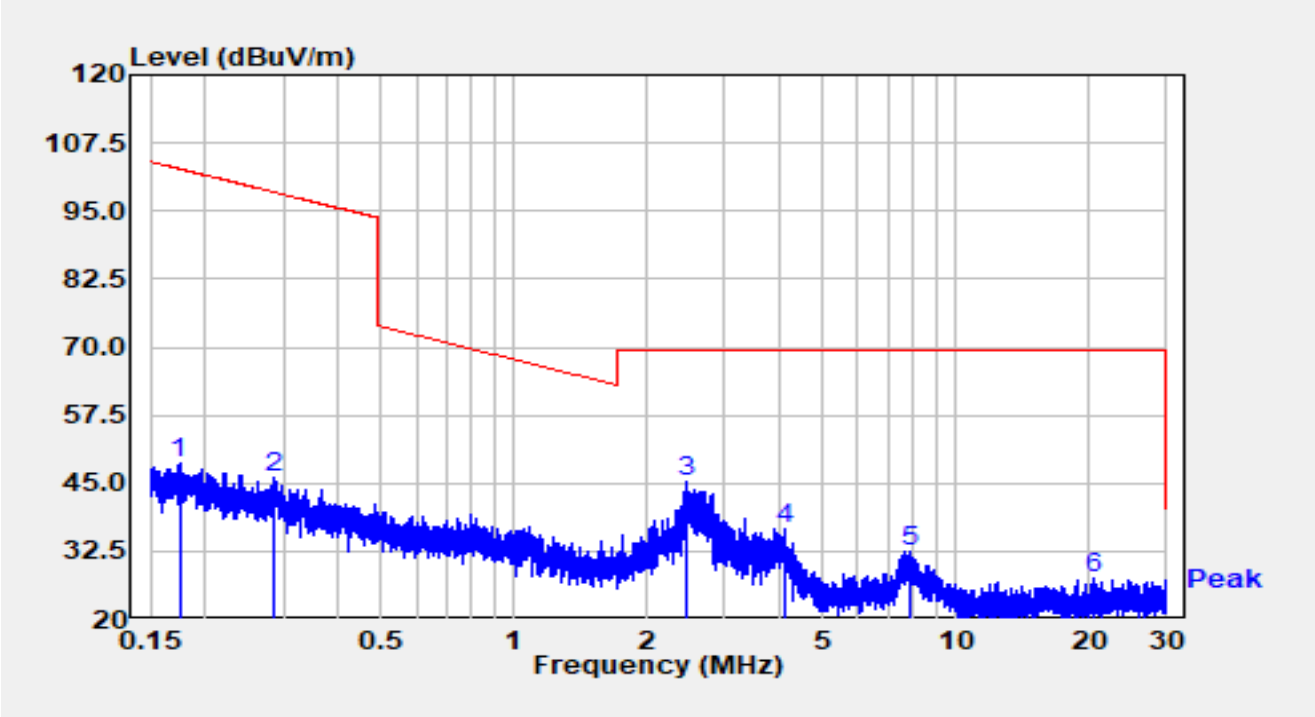
1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

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

Site	WZ-AC2	Test Date	2024-07-31
Test Engineer	Bob Zhang	Temp./Humidity	25.5°C/56.8%
Factor	FMZB1519B_9kHz-30MHz	Polarity	Coplanar
EUT	ACCESS POINT	Test Voltage	AC 120V/60V
Test Mode	Transmit by Zigbee at 2405MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1		0.174	29.40	19.10	48.50	-54.27	102.77	Peak
2		0.284	26.77	19.09	45.85	-52.67	98.52	Peak
3	*	2.471	25.92	19.22	45.14	-24.36	69.50	Peak
4		4.077	17.26	19.26	36.52	-32.98	69.50	Peak
5		7.923	13.37	19.14	32.51	-36.99	69.50	Peak
6		20.453	8.33	19.26	27.59	-41.91	69.50	Peak

Notes:

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

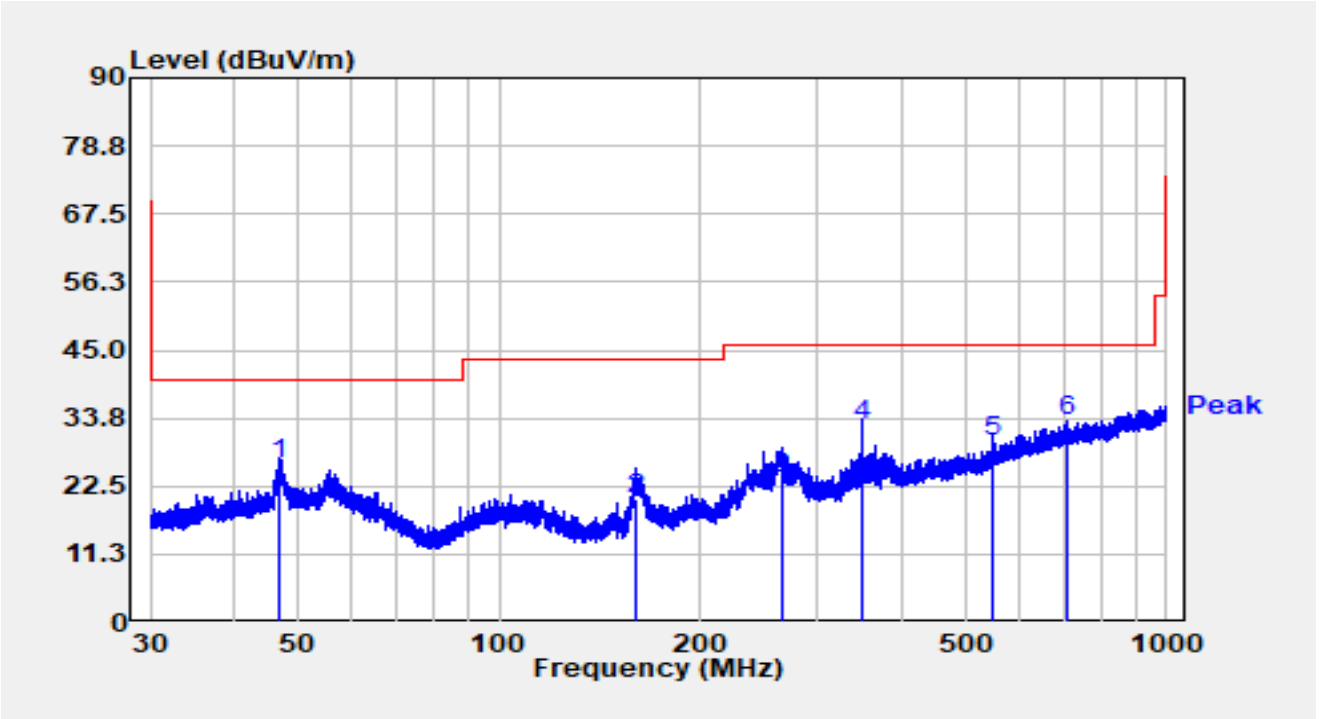
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

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

The Result of Radiated Emission below 1GHz:

Site	WZ-AC2	Test Date	2024-07-31
Test Engineer	Bob Zhang	Temp./Humidity	25.5°C/56.8%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60V
Test Mode	Transmit by Zigbee at 2405MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1		46.978	5.80	20.41	26.21	-13.79	40.00	QP
2		159.953	4.40	15.85	20.25	-23.25	43.50	QP
3		265.024	3.30	20.40	23.70	-22.30	46.00	QP
4		349.986	9.80	22.97	32.77	-13.23	46.00	QP
5		550.176	3.40	26.48	29.88	-16.12	46.00	QP
6	*	711.674	4.30	29.04	33.34	-12.66	46.00	QP

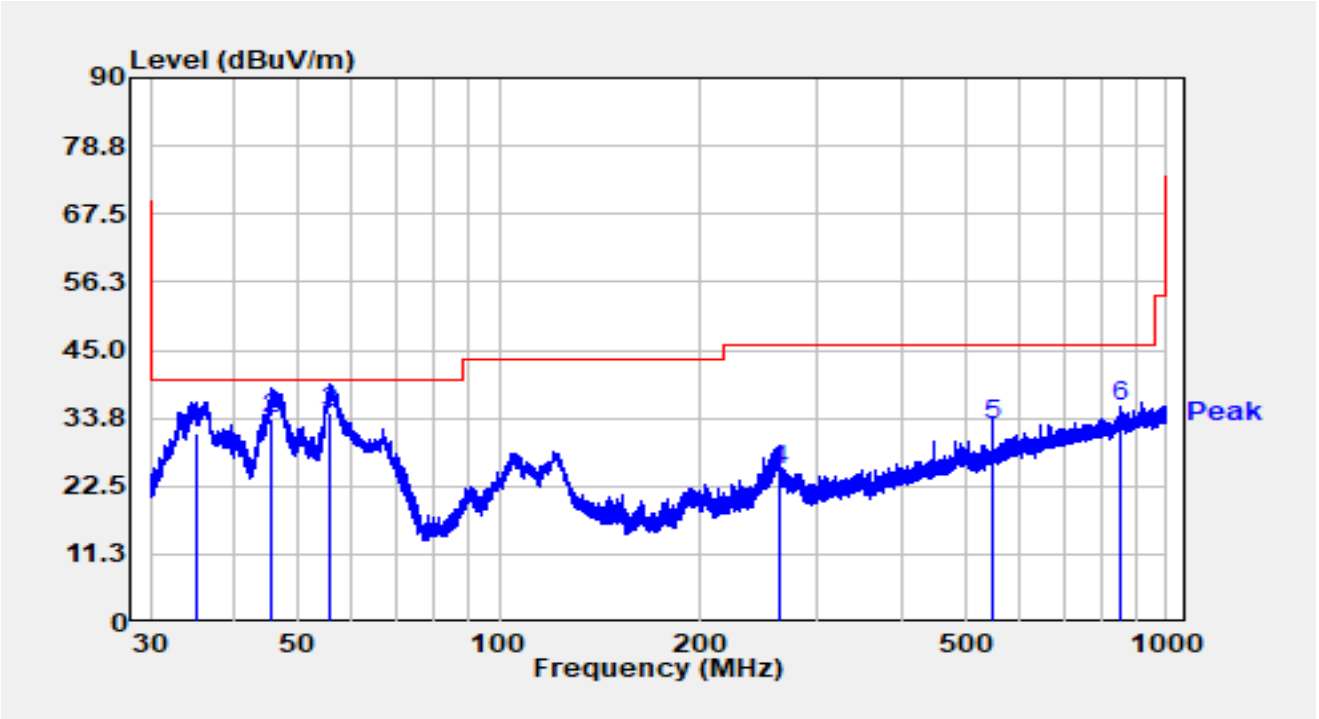
Notes:

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

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-07-31
Test Engineer	Bob Zhang	Temp./Humidity	25.5°C/56.8%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60V
Test Mode	Transmit by Zigbee at 2405MHz		



No	Mark	Frequency (MHz)	Reading (dBµV)	C.F (dB/m)	Measurement (dBµV/m)	Margin (dB)	Limit (dBµV/m)	Detector
1		35.029	13.84	17.56	31.40	-8.60	40.00	QP
2		45.711	13.40	20.33	33.73	-6.27	40.00	QP
3	*	55.609	14.50	20.10	34.60	-5.40	40.00	QP
4		262.067	4.70	20.45	25.15	-20.85	46.00	QP
5		549.983	6.07	26.47	32.54	-13.46	46.00	QP
6		854.924	3.91	31.74	35.66	-10.34	46.00	QP

Notes:

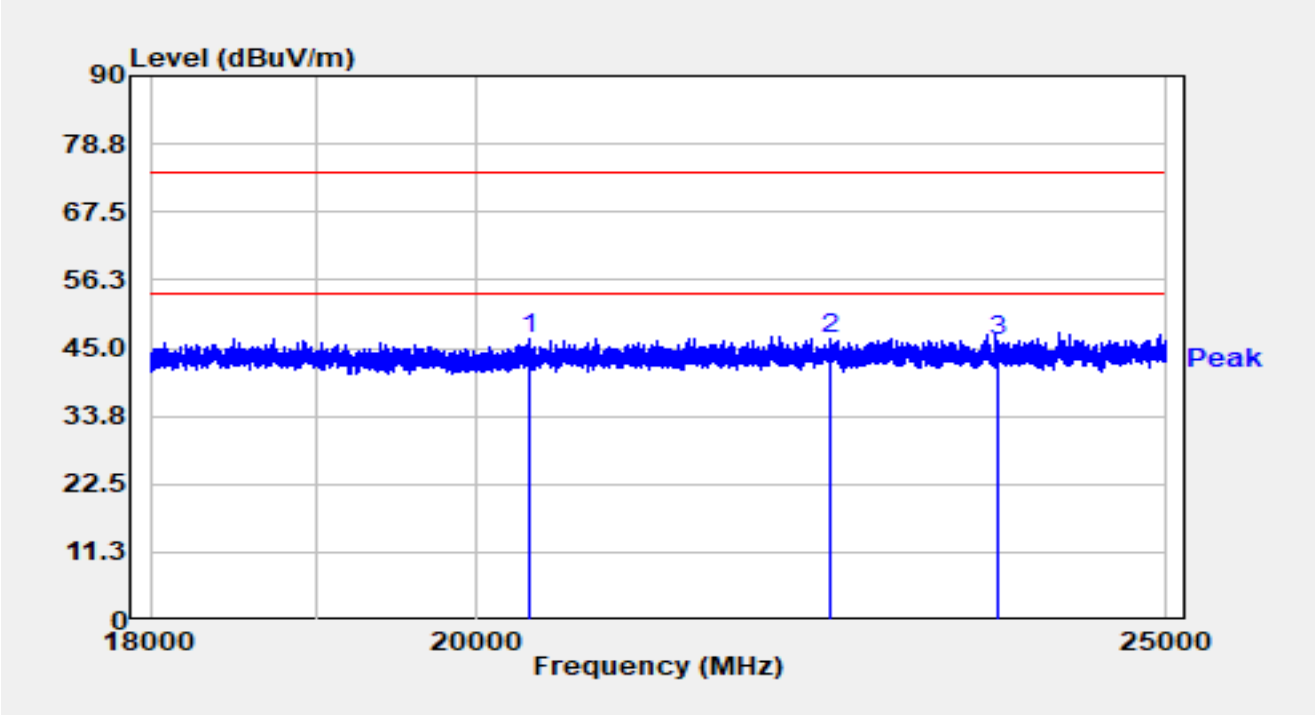
1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement (dBµV/m) = Reading (dBµV) + C.F (dB/m).

The Result of Radiated Emission 18 ~ 25GHz:

Site	WZ-AC2	Test Date	2024-07-30
Test Engineer	Bob Zhang	Temp./Humidity	25.5°C/56.8%
Factor	BBHA 9170_549_18-40GHz	Polarity	Horizontal
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11b at 2412MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	20338.700	56.10	-9.47	46.63	-27.37	74.00	Peak
2		22426.800	53.97	-7.57	46.40	-27.60	74.00	Peak
3		23679.800	53.20	-6.98	46.21	-27.79	74.00	Peak

Notes:

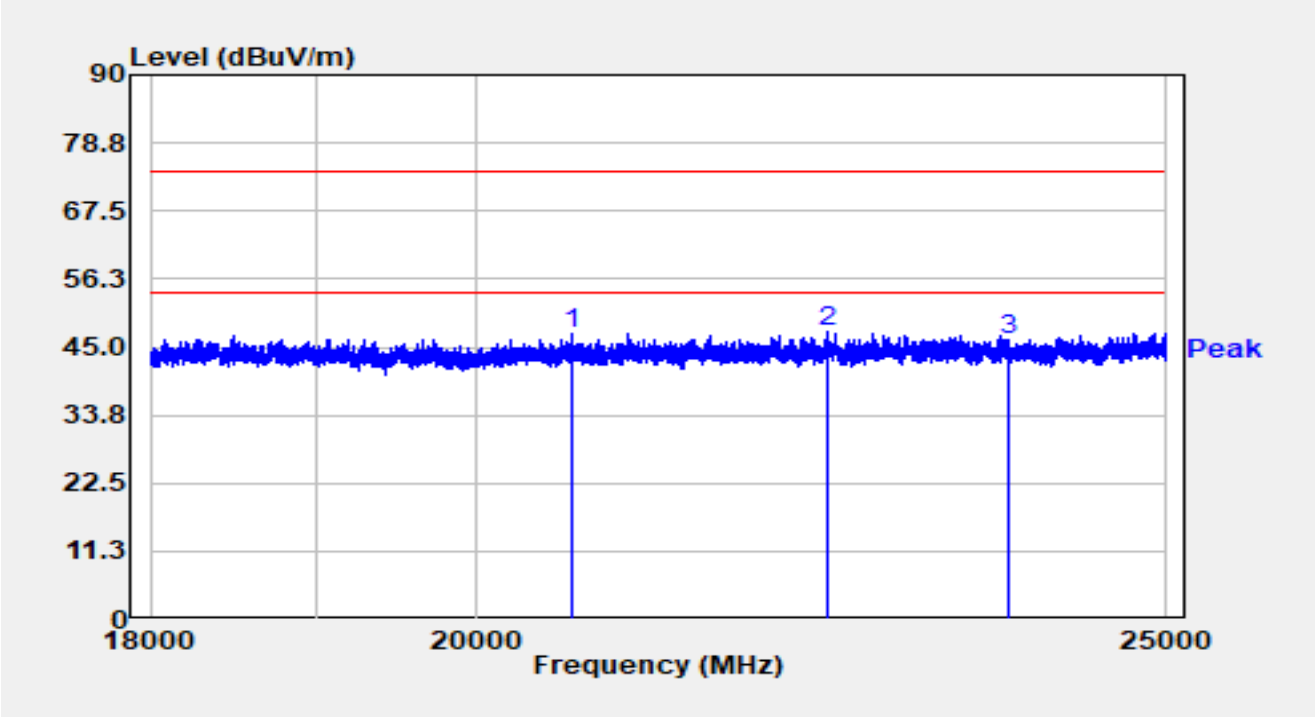
1. " *", means this data is the worst emission level.

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

4: Average measurement was not performed when peak measure level was lower than the average limit.

Site	WZ-AC2	Test Date	2024-07-30
Test Engineer	Bob Zhang	Temp./Humidity	25.5°C/56.8%
Factor	BBHA 9170_549_18-40GHz	Polarity	Vertical
EUT	ACCESS POINT	Test Voltage	AC 120V/60Hz
Test Mode	Transmit by 802.11b at 2412MHz		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		20631.300	56.55	-9.21	47.34	-26.66	74.00	Peak
2	*	22404.400	54.84	-7.42	47.42	-26.58	74.00	Peak
3		23761.700	53.22	-6.98	46.24	-27.76	74.00	Peak

Notes:

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

2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).

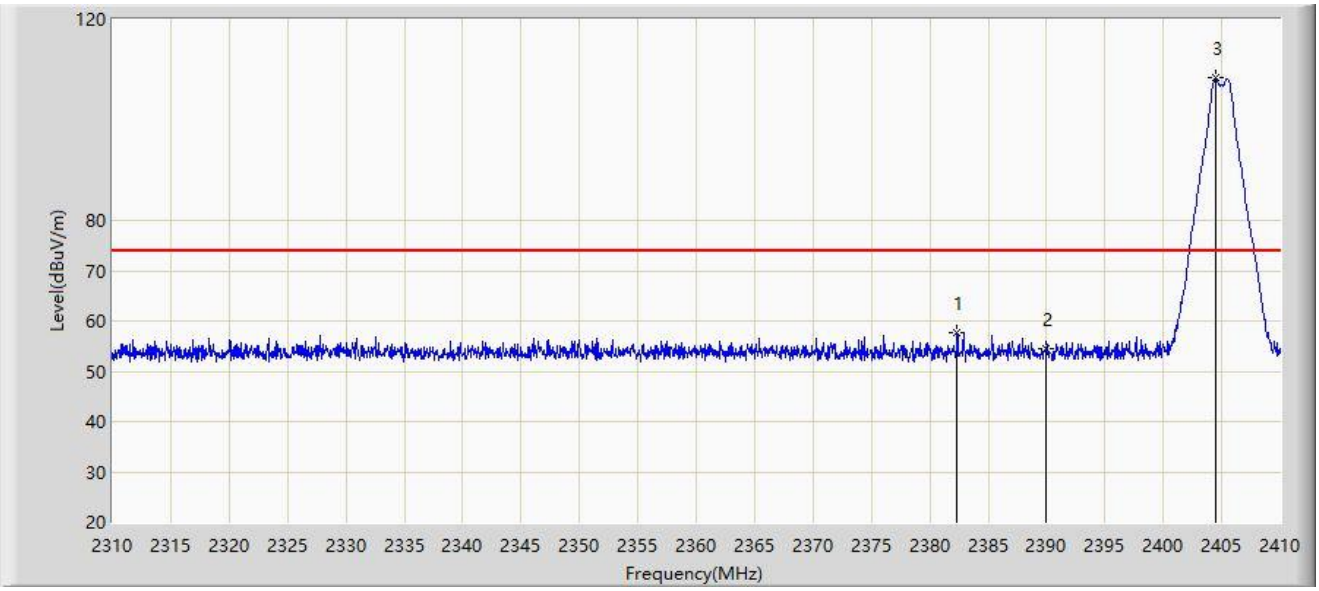
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

4: Average measurement was not performed when peak measure level was lower than the average limit.

A.7 Radiated Restricted Band Edge Test Result

Mode 1 – Filter 1#

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2382.350	57.614	25.060	-16.386	N/A	74.000	32.555	PK
		2382.350	37.614	25.060	-16.386	-20.00	54.000	32.555	AV
2		2390.000	54.582	22.056	-19.418	N/A	74.000	32.527	PK
		2390.000	34.582	22.056	-19.418	-20.00	54.000	32.527	AV
3		2404.500	108.354	75.872	N/A	N/A	N/A	32.482	PK
		2404.500	88.354	75.872	N/A	-20.00	N/A	32.482	AV

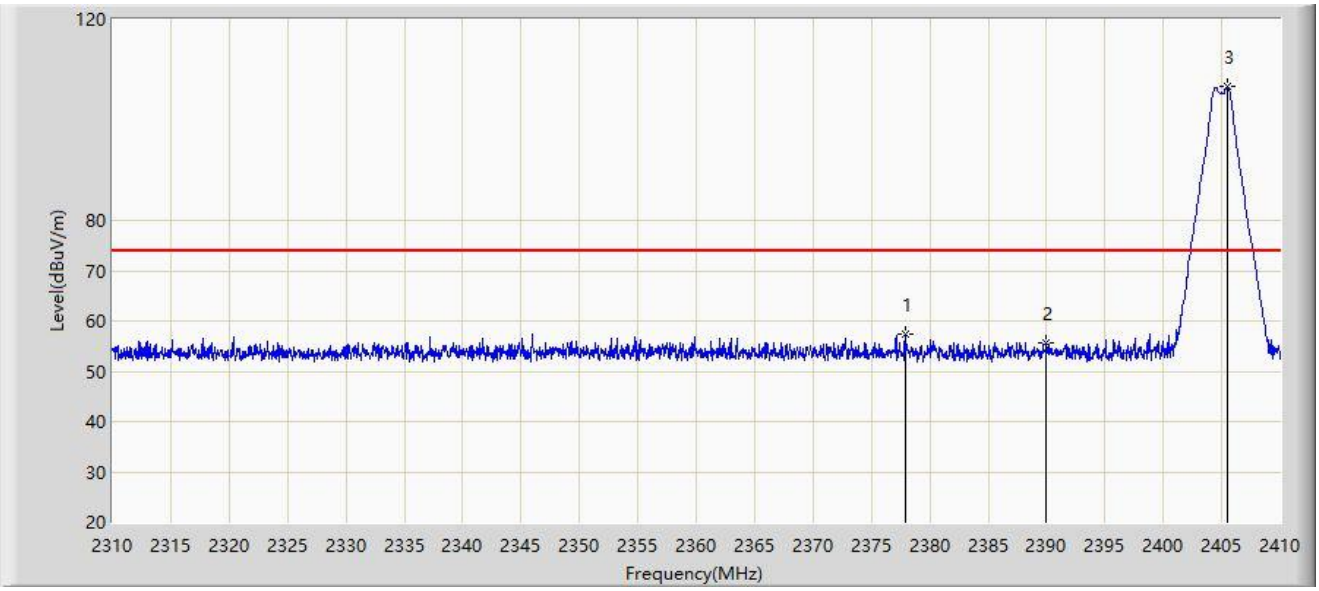
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2377.900	57.314	24.737	-16.686	N/A	74.000	32.577	PK
		2377.900	37.314	24.737	-16.686	-20.00	54.000	32.577	AV
2		2390.000	55.555	23.029	-18.445	N/A	74.000	32.527	PK
		2390.000	35.555	23.029	-18.445	-20.00	54.000	32.527	AV
3		2405.500	106.547	74.068	N/A	N/A	N/A	32.479	PK
		2405.500	86.547	74.068	N/A	-20.00	N/A	32.479	AV

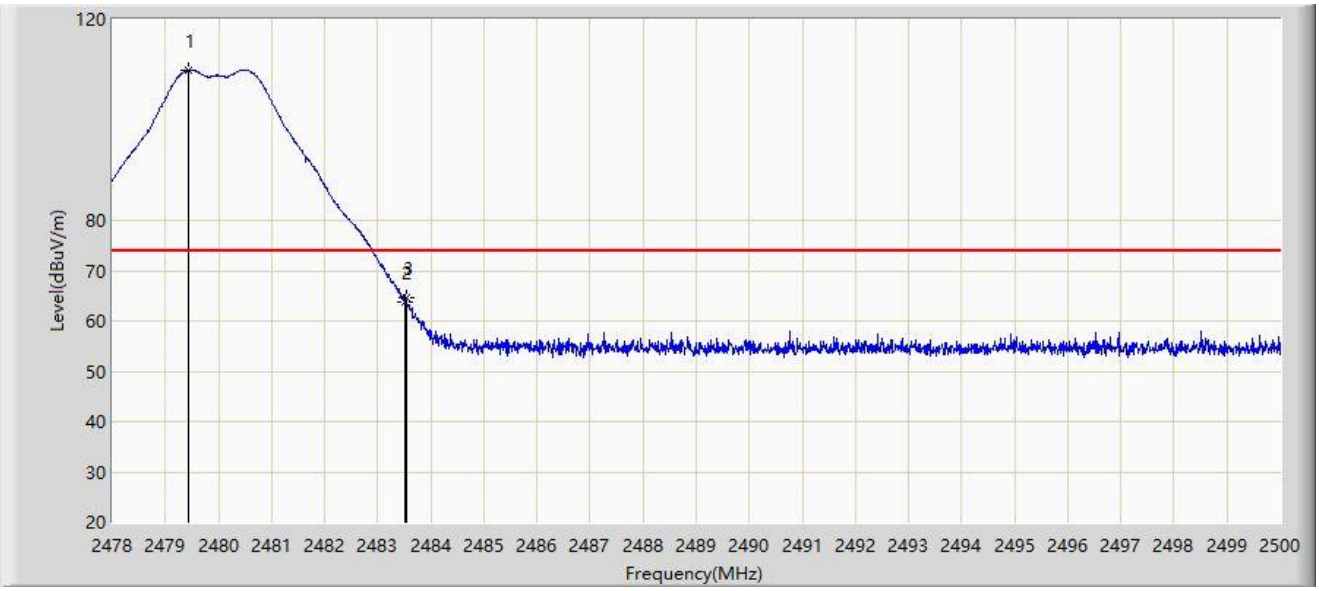
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.430	109.997	77.613	N/A	N/A	N/A	32.385	PK
		2479.430	89.997	77.613	N/A	-20.00	N/A	32.385	AV
2		2483.500	63.688	31.306	-10.312	N/A	74.000	32.382	PK
		2483.500	43.688	31.306	-10.312	-20.00	54.000	32.382	AV
3	*	2483.533	64.749	32.367	-9.251	N/A	74.000	32.382	PK
		2483.533	44.749	32.367	-9.251	-20.00	54.000	32.382	AV

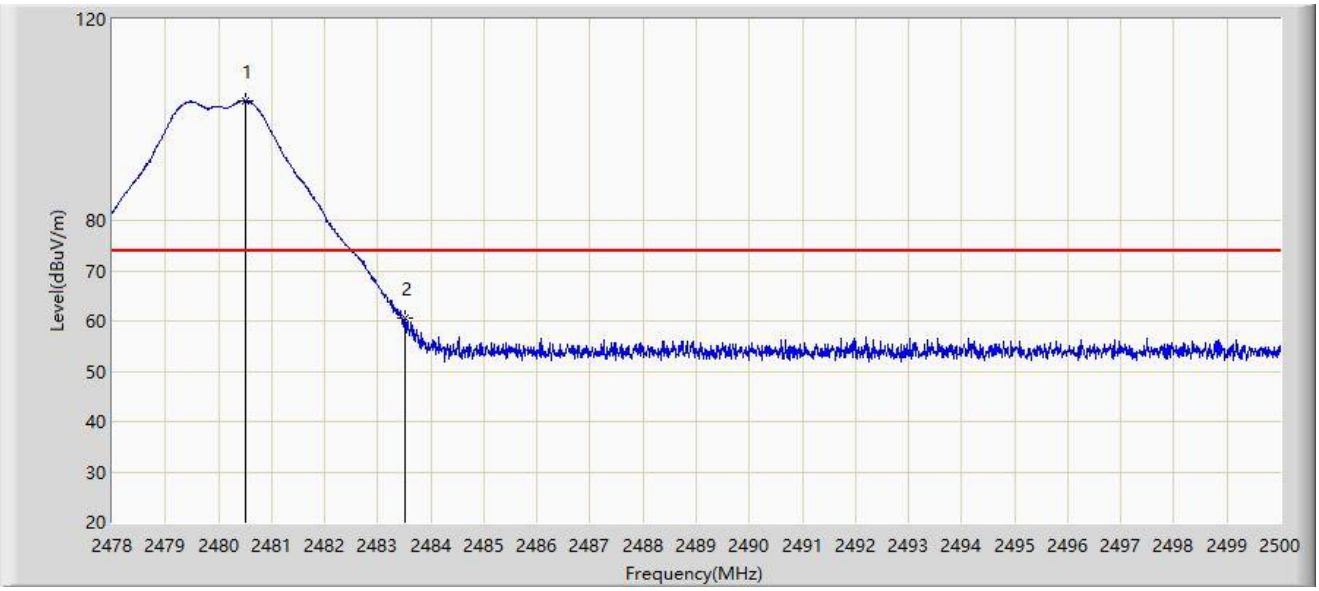
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.497	103.754	71.370	N/A	N/A	N/A	32.384	PK
		2480.497	83.754	71.370	N/A	-20.00	N/A	32.384	AV
2	*	2483.500	60.450	28.068	-13.550	N/A	74.000	32.382	PK
		2483.500	40.450	28.068	-13.550	-20.00	54.000	32.382	AV

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

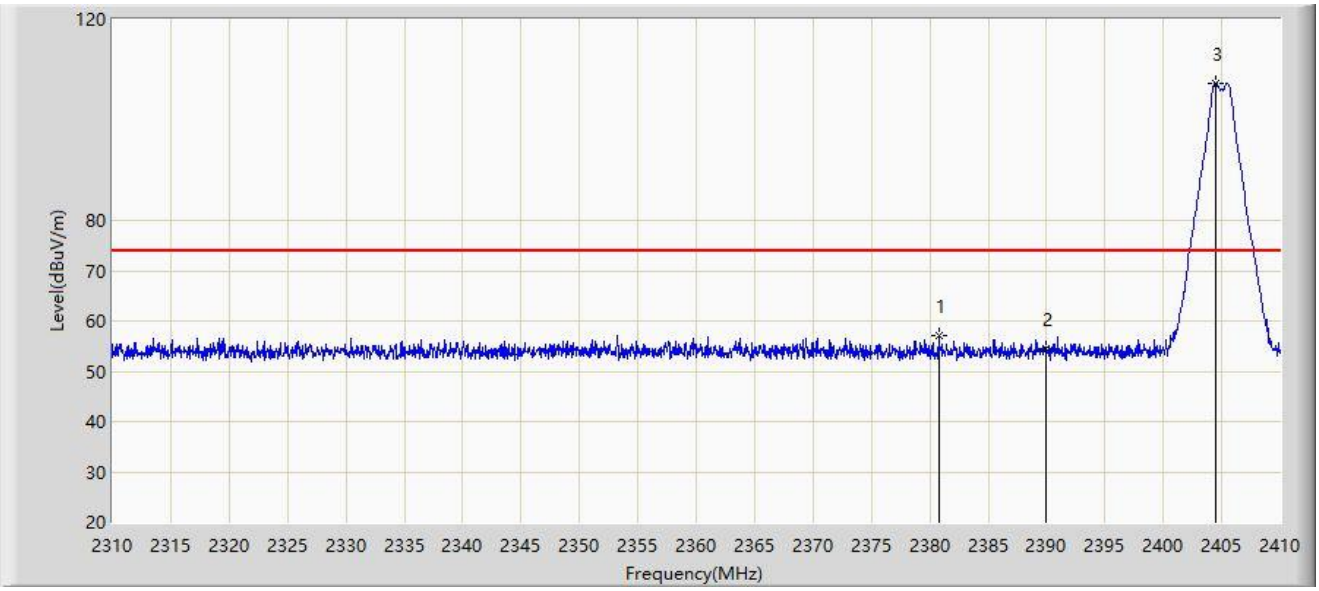
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Mode 1 – Filter 2#

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2380.750	57.184	24.621	-16.816	N/A	74.000	32.562	PK
		2380.750	37.184	24.621	-16.816	-20.00	54.000	32.562	AV
2		2390.000	54.605	22.079	-19.395	N/A	74.000	32.527	PK
		2390.000	34.605	22.079	-19.395	-20.00	54.000	32.562	AV
3		2404.500	107.355	74.873	N/A	N/A	N/A	32.482	PK
		2404.500	87.355	74.873	N/A	-20.00	N/A	32.482	AV

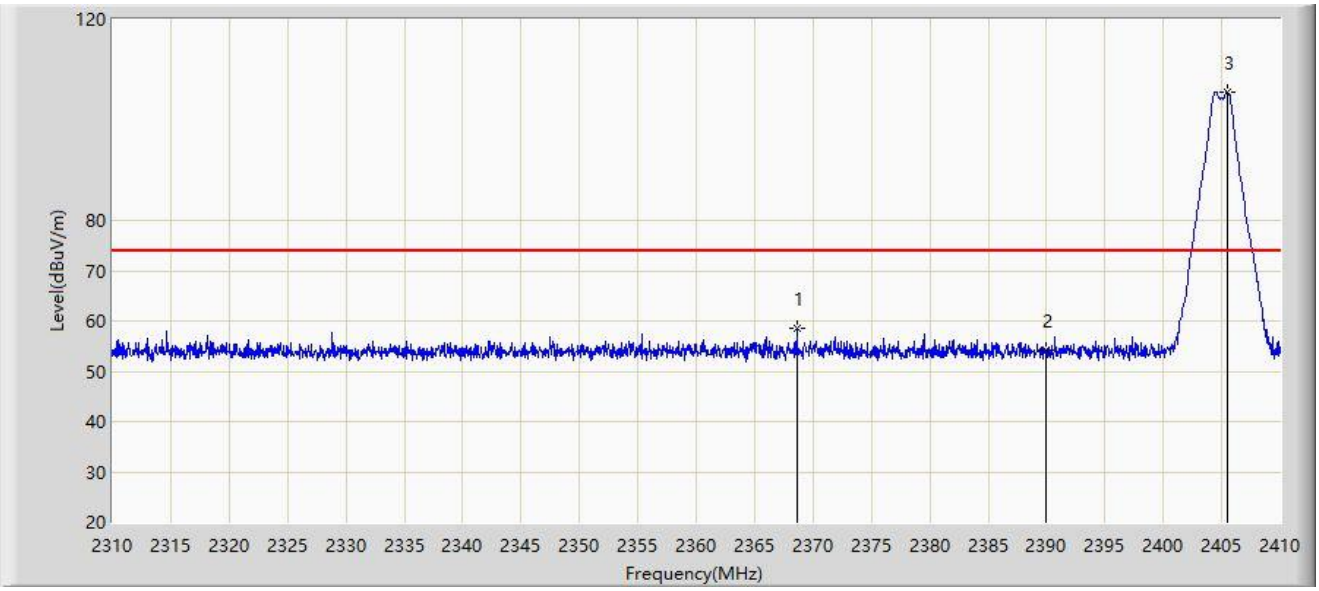
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2368.600	58.480	25.845	-15.520	N/A	74.000	32.636	PK
		2368.600	38.480	25.845	-15.520	-20.00	54.000	32.636	AV
2		2390.000	54.150	21.624	-19.850	N/A	74.000	32.527	PK
		2390.000	34.150	21.624	-19.850	-20.00	54.000	32.527	AV
3		2405.500	105.617	73.138	N/A	N/A	N/A	32.479	PK
		2405.500	85.617	73.138	N/A	-20.00	N/A	32.479	AV

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

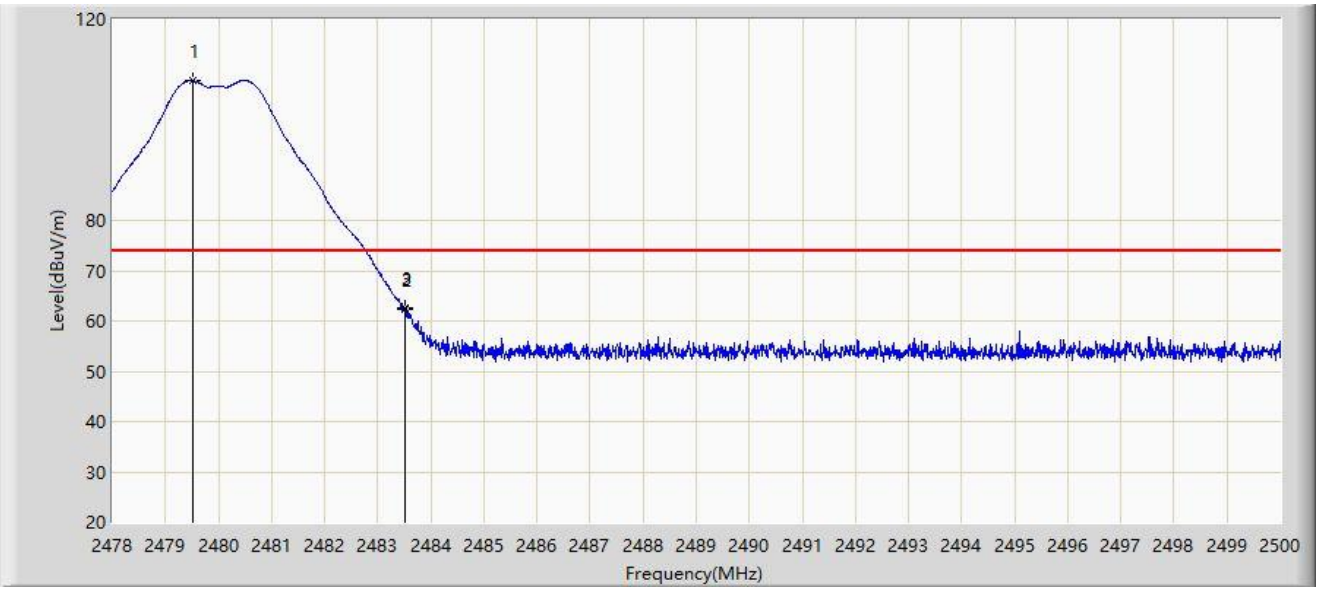
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Mode 1 – Filter 3#

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.529	107.938	75.554	N/A	N/A	N/A	32.384	PK
		2479.529	87.938	75.554	N/A	-20.00	N/A	32.384	AV
2		2483.500	62.423	30.041	-11.577	N/A	74.000	32.382	PK
		2483.500	42.423	30.041	-11.577	-20.00	54.000	32.382	AV
3	*	2483.522	62.687	30.305	-11.313	N/A	74.000	32.382	PK
		2483.522	42.687	30.305	-11.313	-20.00	54.000	32.382	AV

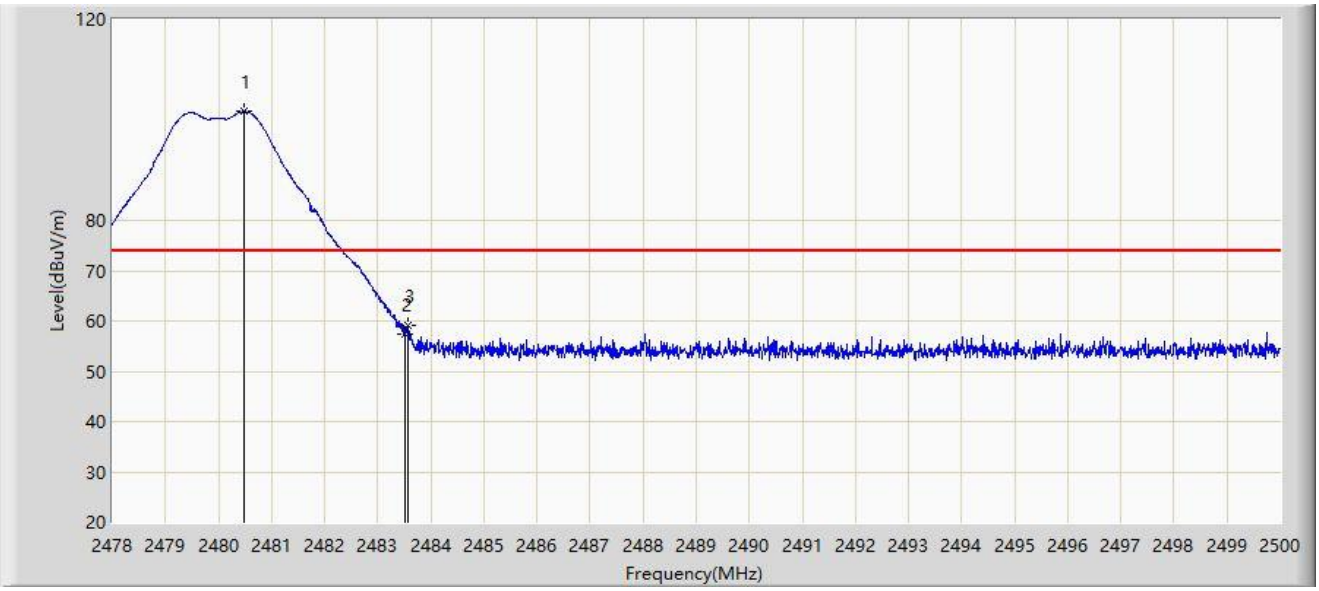
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.486	101.630	69.246	N/A	N/A	N/A	32.384	PK
		2480.486	81.630	69.246	N/A	-20.00	N/A	32.384	AV
2		2483.500	57.338	24.956	-16.662	N/A	74.000	32.382	PK
		2483.500	37.338	24.956	-16.662	-20.00	54.000	32.382	AV
3	*	2483.566	59.211	26.829	-14.789	N/A	74.000	32.382	PK
		2483.566	39.211	26.829	-14.789	-20.00	54.000	32.382	AV

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

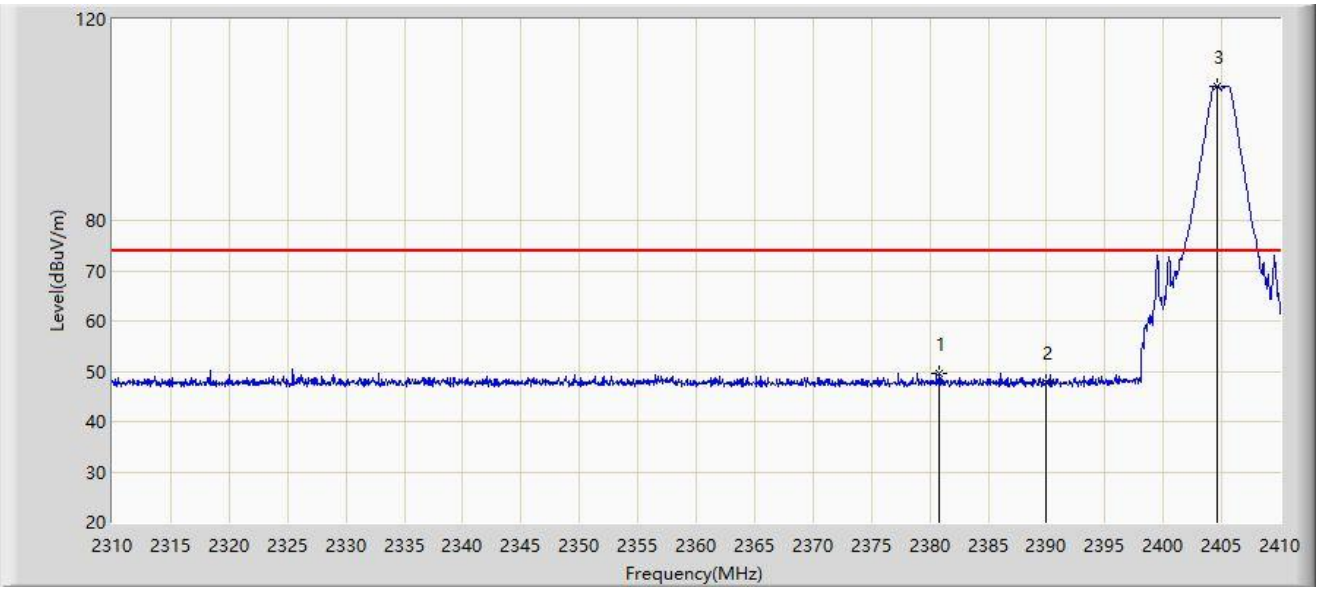
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Mode 2 – Filter 4#

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2380.750	49.684	17.121	-24.316	N/A	74.000	32.562	PK
		2380.750	29.684	17.121	-24.316	-20.00	54.000	32.562	AV
2		2390.000	47.838	15.312	-26.162	N/A	74.000	32.527	PK
		2390.000	27.838	15.312	-26.162	-20.00	54.000	32.527	AV
3		2404.650	106.691	74.210	N/A	N/A	N/A	32.481	PK
		2404.650	86.691	74.210	N/A	-20.00	N/A	32.481	AV

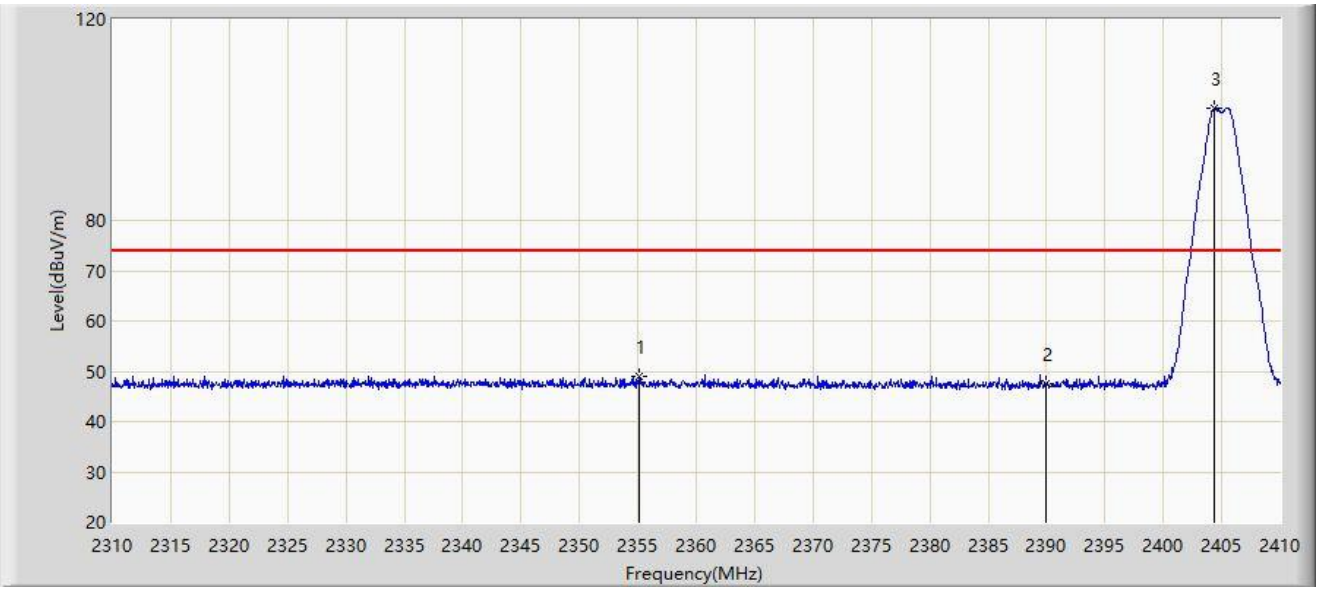
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2355.150	49.053	16.320	-24.947	N/A	74.000	32.734	PK
		2355.150	29.053	16.320	-24.947	-20.00	54.000	32.734	AV
2		2390.000	47.497	14.971	-26.503	N/A	74.000	32.527	PK
		2390.000	27.497	14.971	-26.503	-20.00	54.000	32.527	AV
3		2404.350	102.219	69.737	N/A	N/A	N/A	32.482	PK
		2404.350	82.219	69.737	N/A	-20.00	N/A	32.482	AV

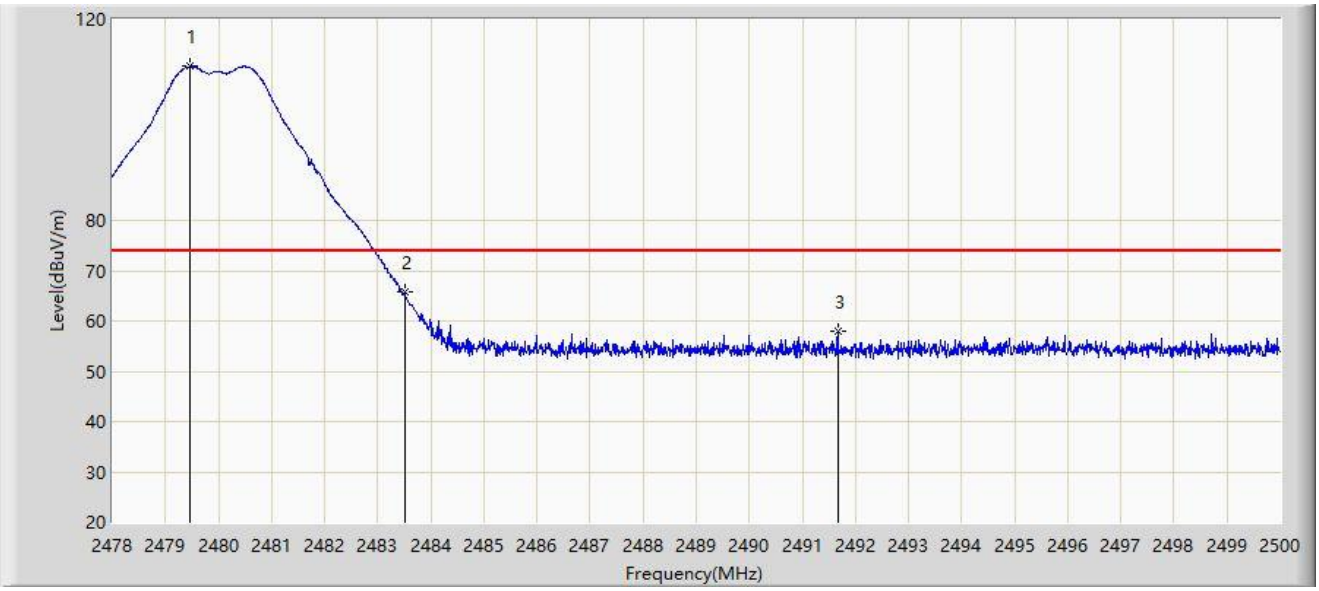
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.463	110.817	78.433	N/A	N/A	N/A	32.385	PK
		2479.463	90.817	78.433	N/A	-20.00	N/A	32.385	AV
2	*	2483.500	65.708	33.326	-8.292	N/A	74.000	32.382	PK
		2483.500	45.708	33.326	-8.292	-20.00	54.000	32.382	AV
3		2491.662	57.827	25.448	-16.173	N/A	74.000	32.378	PK
		2491.662	37.827	25.448	-16.173	-20.00	54.000	32.378	AV

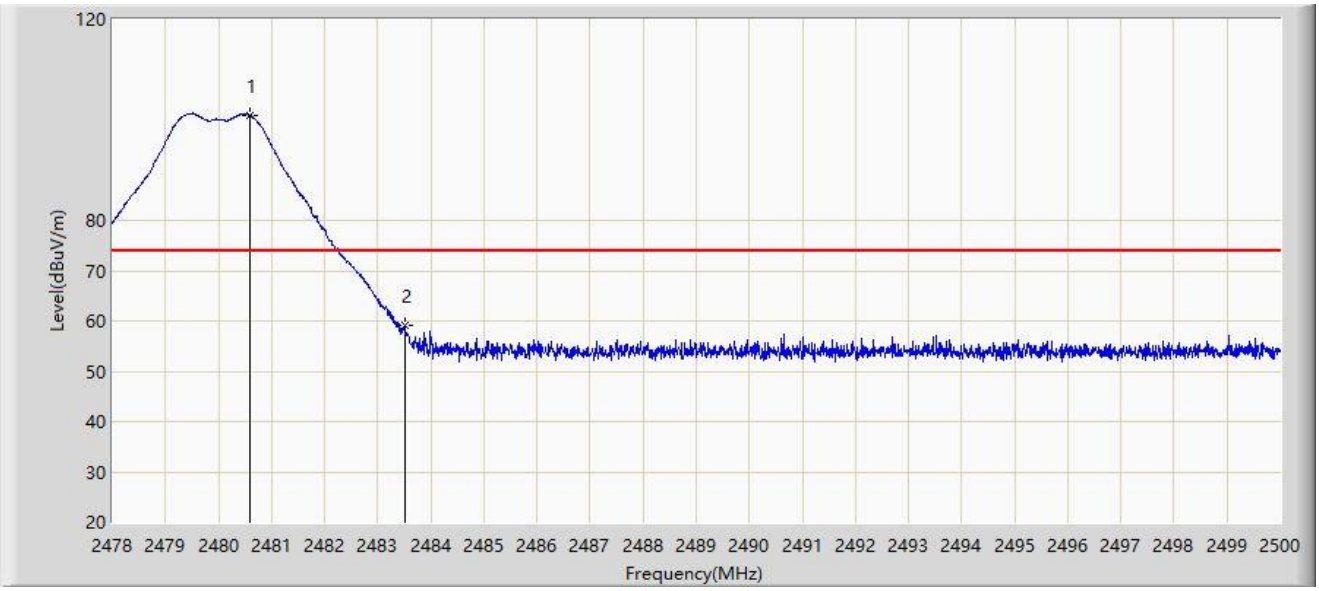
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.585	100.955	68.571	N/A	N/A	N/A	32.383	PK
		2480.585	80.955	68.571	N/A	-20.00	N/A	32.383	AV
2	*	2483.500	59.257	26.875	-14.743	N/A	74.000	32.382	PK
		2483.500	39.257	26.875	-14.743	-20.00	54.000	32.382	AV

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

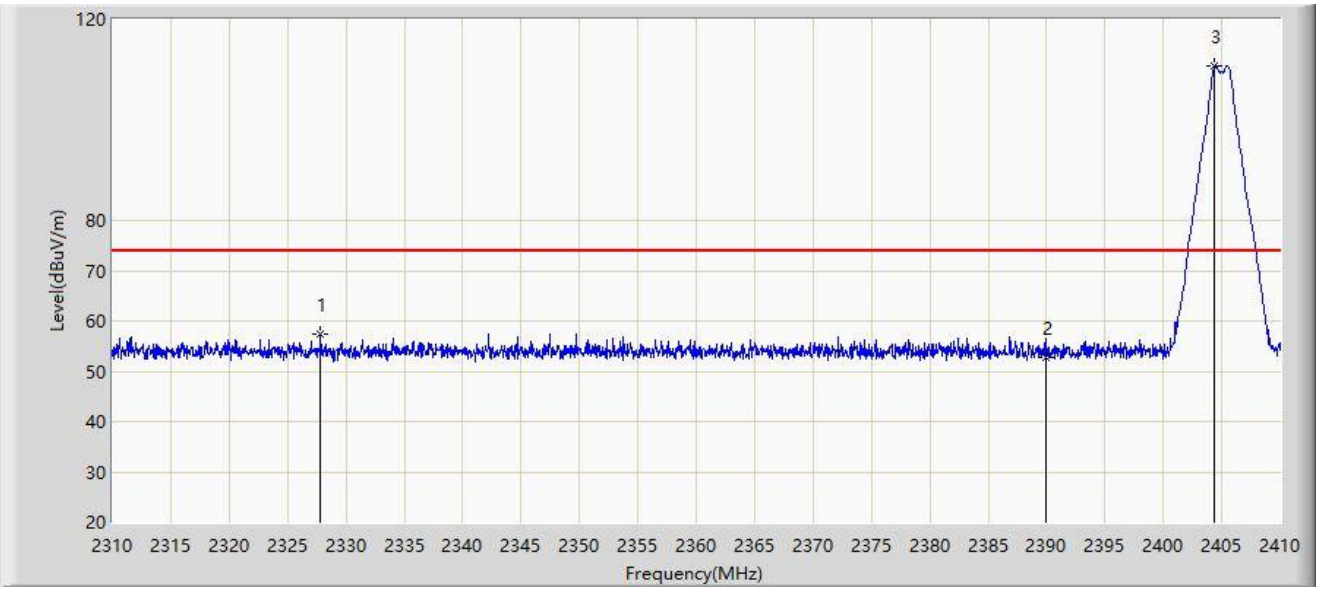
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Mode 2– Filter 5#

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2327.850	57.485	24.716	-16.515	N/A	74.000	32.769	PK
		2327.850	37.485	24.716	-16.515	-20.00	54.000	32.769	AV
2		2390.000	52.618	20.092	-21.382	N/A	74.000	32.527	PK
		2390.000	32.618	20.092	-21.382	-20.00	54.000	32.527	AV
3		2404.400	110.649	78.167	N/A	N/A	N/A	32.482	PK
		2404.400	90.649	78.167	N/A	-20.00	N/A	32.482	AV

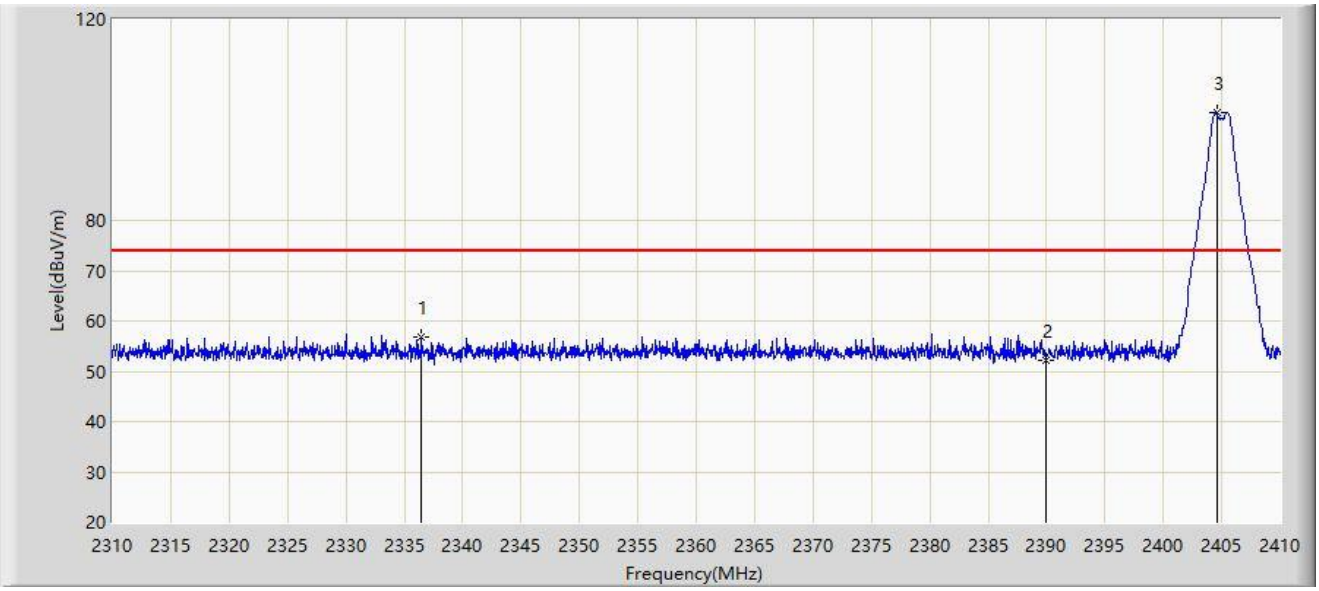
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2336.500	56.841	24.070	-17.159	N/A	74.000	32.771	PK
		2336.500	36.841	24.070	-17.159	-20.00	54.000	32.771	AV
2		2390.000	52.101	19.575	-21.899	N/A	74.000	32.527	PK
		2390.000	32.101	19.575	-21.899	-20.00	54.000	32.527	AV
3		2404.550	101.577	69.095	N/A	N/A	N/A	32.482	PK
		2404.550	81.577	69.095	N/A	-20.00	N/A	32.482	AV

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

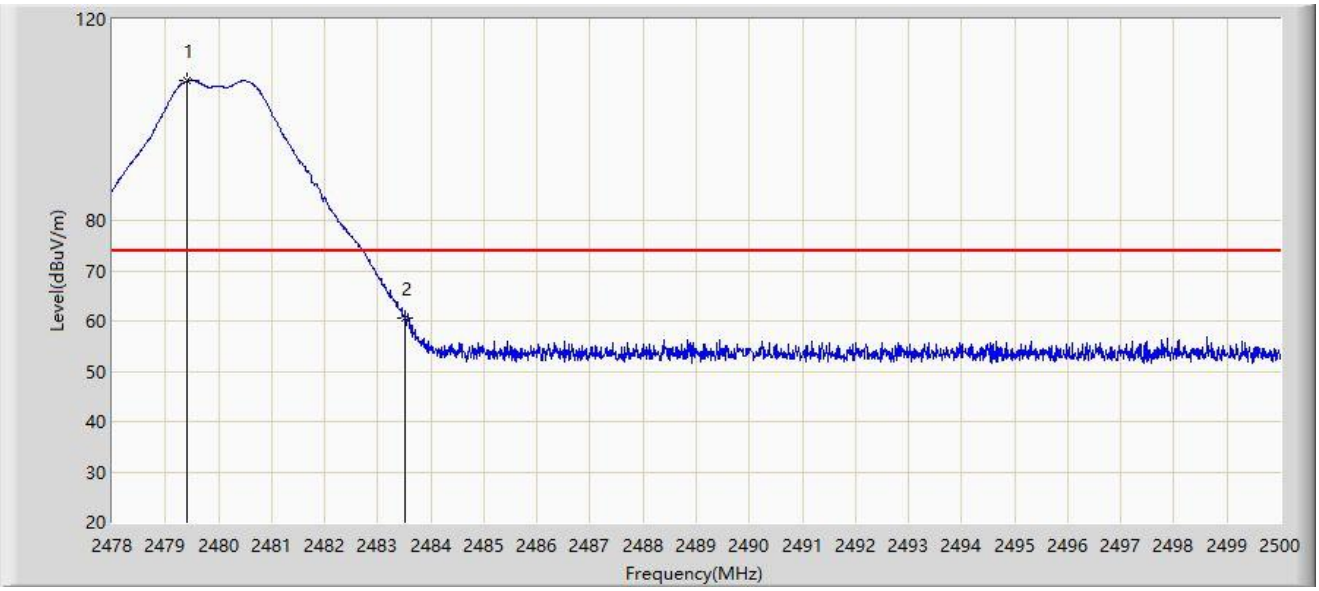
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Mode 2 – Filter 6#

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.408	107.762	75.378	N/A	N/A	N/A	32.385	PK
		2479.408	87.762	75.378	N/A	-20.00	N/A	32.385	AV
2	*	2483.500	60.473	28.091	-13.527	N/A	74.000	32.382	PK
		2483.500	40.473	28.091	-13.527	-20.00	54.000	32.382	AV

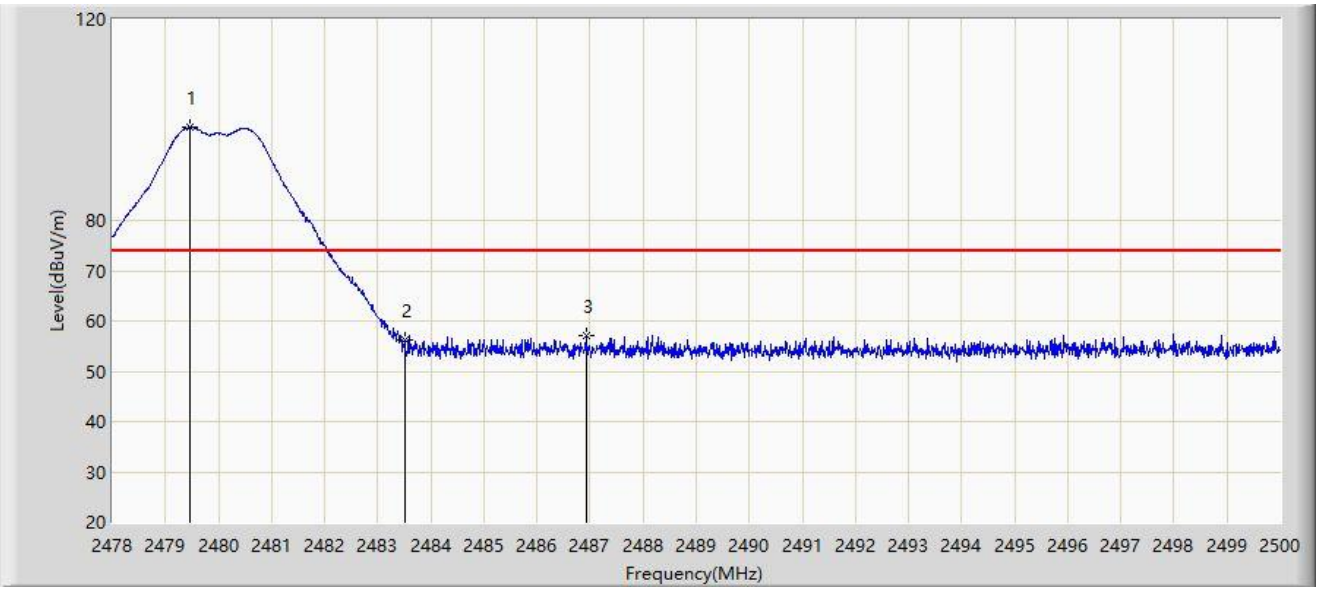
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.463	98.434	66.050	N/A	N/A	N/A	32.385	PK
		2479.463	78.434	66.050	N/A	-20.00	N/A	32.385	AV
2		2483.500	56.316	23.934	-17.684	N/A	74.000	32.382	PK
		2483.500	36.316	23.934	-17.684	-20.00	54.000	32.382	AV
3	*	2486.921	57.094	24.713	-16.906	N/A	74.000	32.381	PK
		2486.921	37.094	24.713	-16.906	-20.00	54.000	32.381	AV

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

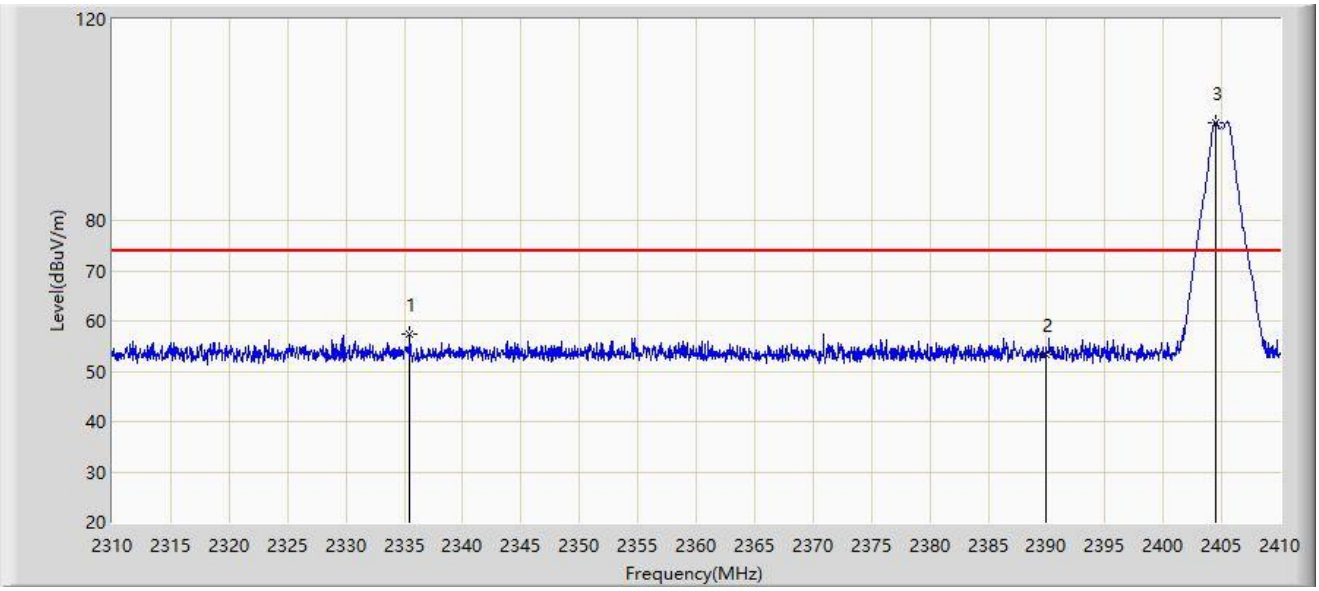
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Mode 3 – Filter 7#

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2335.500	57.433	24.662	-16.567	N/A	74.000	32.771	PK
		2335.500	37.433	24.662	-16.567	-20.00	54.000	32.771	AV
2		2390.000	53.377	20.851	-20.623	N/A	74.000	32.527	PK
		2390.000	33.377	20.851	-20.623	-20.00	54.000	32.527	AV
3		2404.450	99.479	66.997	N/A	N/A	N/A	32.482	PK
		2404.450	79.479	66.997	N/A	-20.00	N/A	32.482	AV

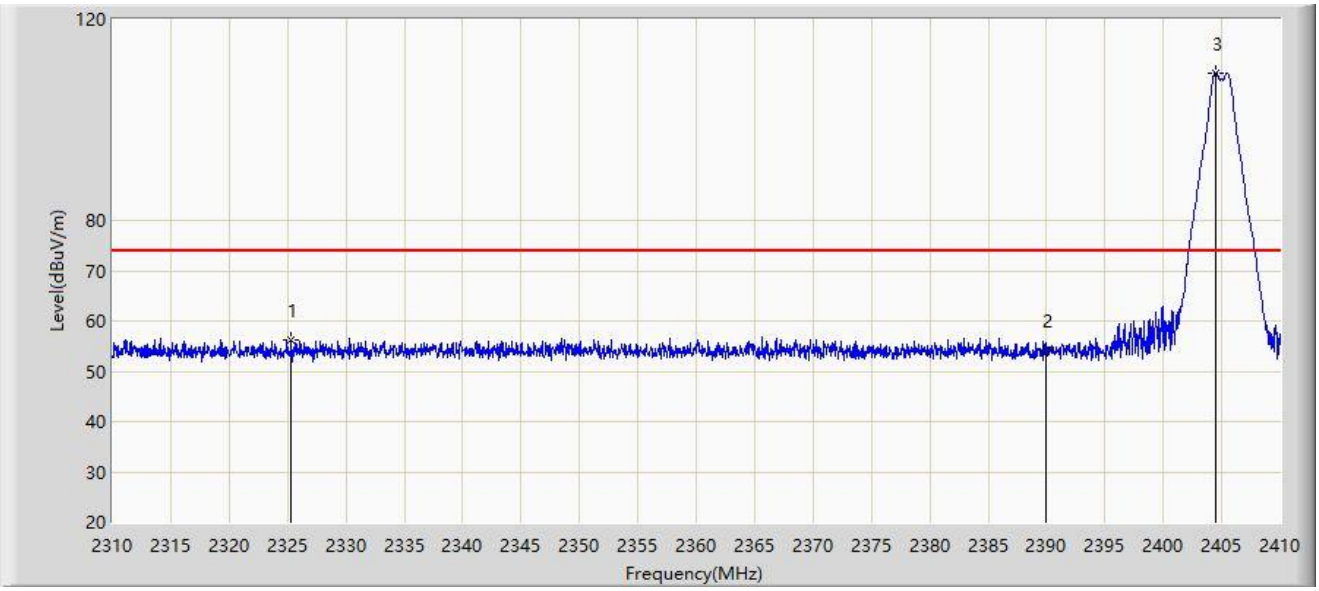
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	2325.350	56.235	23.464	-17.765	N/A	74.000	32.771	PK
		2325.350	36.235	23.464	-17.765	-20.00	54.000	32.771	AV
2		2390.000	54.079	21.553	-19.921	N/A	74.000	32.527	PK
		2390.000	34.079	21.553	-19.921	-20.00	54.000	32.527	AV
3		2404.450	109.292	76.810	N/A	N/A	N/A	32.482	PK
		2404.450	89.292	76.810	N/A	-20.00	N/A	32.482	AV

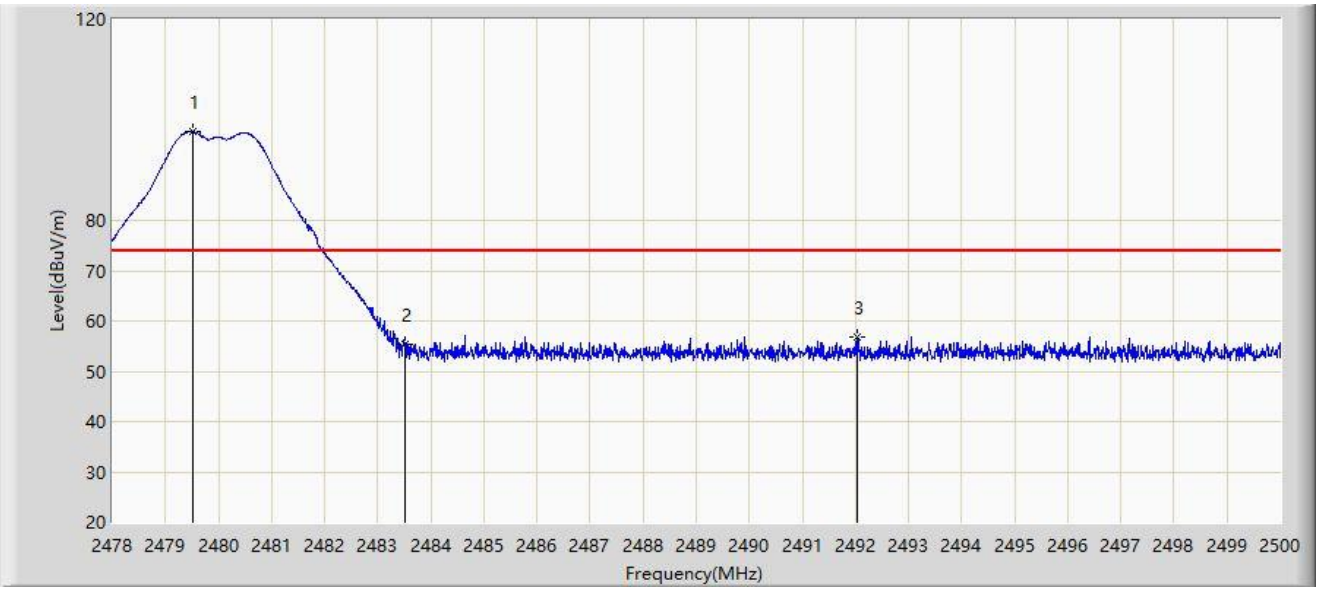
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.529	97.586	65.202	N/A	N/A	N/A	32.384	PK
		2479.529	77.586	65.202	N/A	-20.00	N/A	32.384	AV
2		2483.500	55.338	22.956	-18.662	N/A	74.000	32.382	PK
		2483.500	35.338	22.956	-18.662	-20.00	54.000	32.382	AV
3	*	2492.025	56.815	24.436	-17.185	N/A	74.000	32.379	PK
		2492.025	36.815	24.436	-17.185	-20.00	54.000	32.379	AV

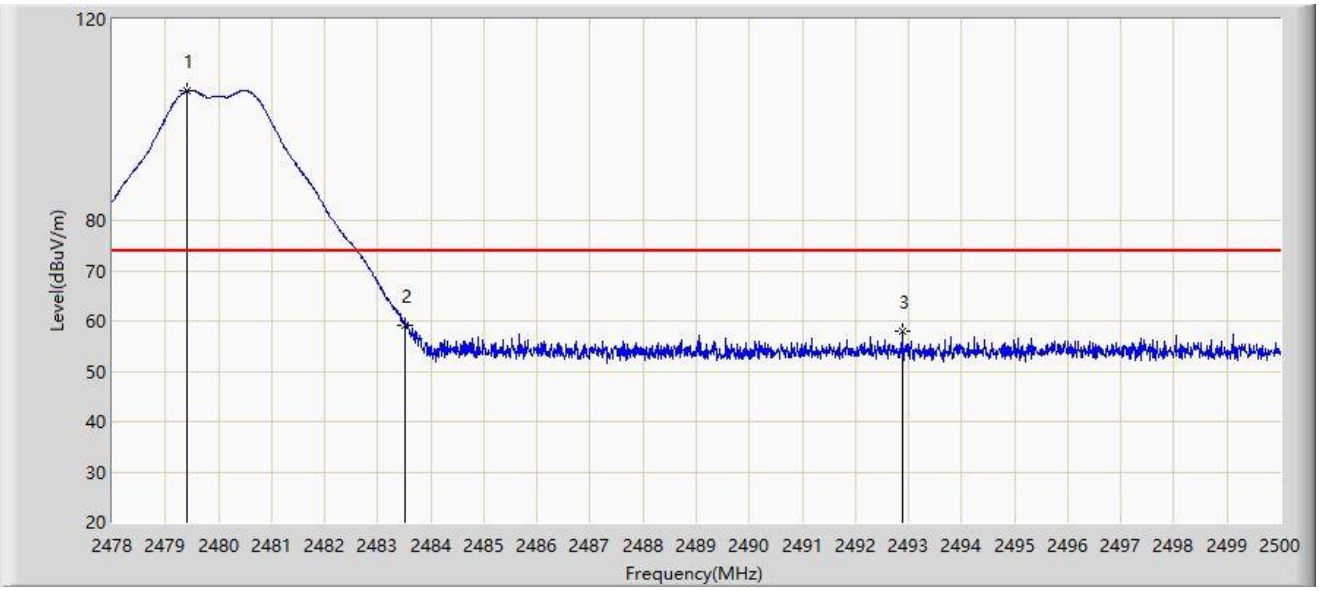
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.408	105.872	73.488	N/A	N/A	N/A	32.385	PK
		2479.408	85.872	73.488	N/A	-20.00	N/A	32.385	AV
2	*	2483.500	59.126	26.744	-14.874	N/A	74.000	32.382	PK
		2483.500	39.126	26.744	-14.874	-20.00	54.000	32.382	AV
3		2492.883	57.914	25.532	-16.086	N/A	74.000	32.381	PK
		2492.883	37.914	25.532	-16.086	-20.00	54.000	32.381	AV

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

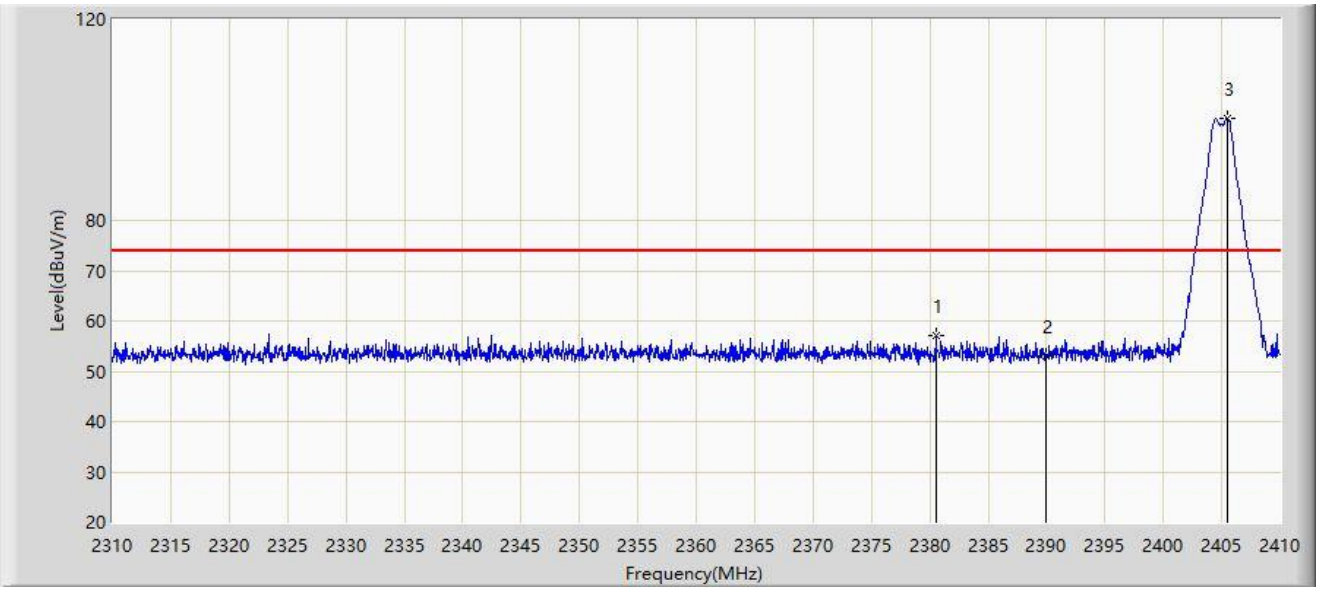
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Mode 3 – Filter 8#

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2380.550	57.123	24.559	-16.877	N/A	74.000	32.564	PK
		2380.550	37.123	24.559	-16.877	-20.00	54.000	32.564	AV
2		2390.000	53.055	20.529	-20.945	N/A	74.000	32.527	PK
		2390.000	33.055	20.529	-20.945	-20.00	54.000	32.527	AV
3		2405.450	100.363	67.884	N/A	N/A	N/A	32.480	PK
		2405.450	80.363	67.884	N/A	-20.00	N/A	32.480	AV

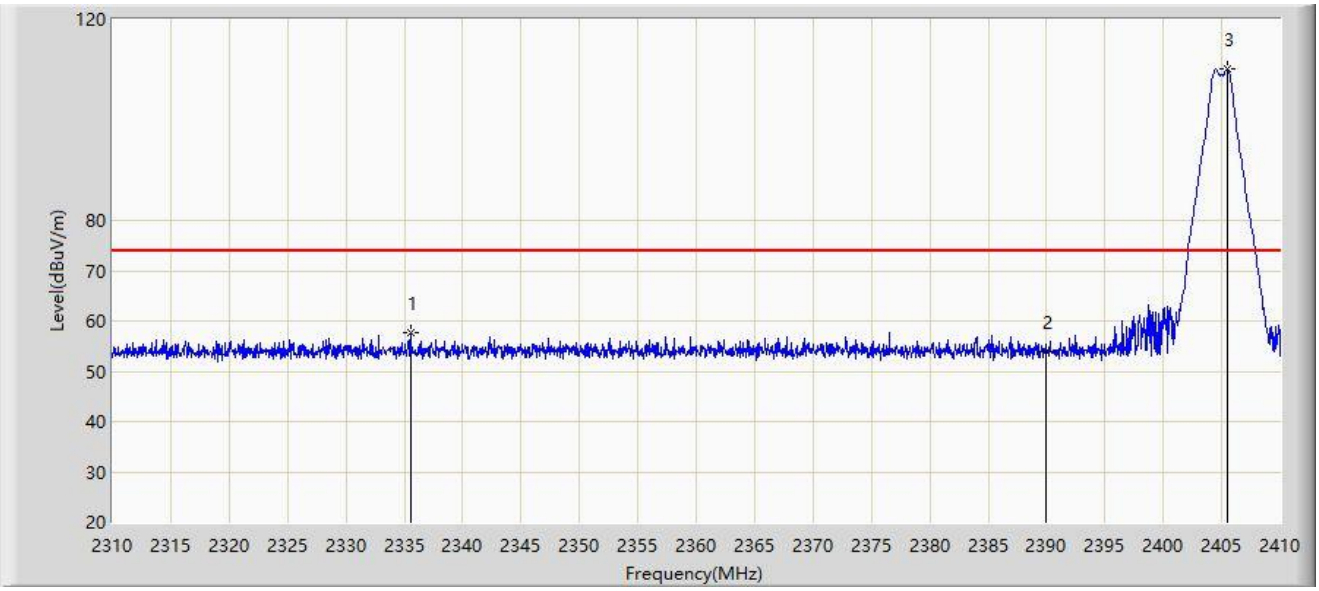
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2335.550	57.735	24.964	-16.265	N/A	74.000	32.771	PK
		2335.550	37.735	24.964	-16.265	-20.00	54.000	32.771	AV
2		2390.000	53.821	21.295	-20.179	N/A	74.000	32.527	PK
		2390.000	33.821	21.295	-20.179	-20.00	54.000	32.527	AV
3		2405.450	110.023	77.544	N/A	N/A	N/A	32.480	PK
		2405.450	90.023	77.544	N/A	-20.00	N/A	32.480	AV

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

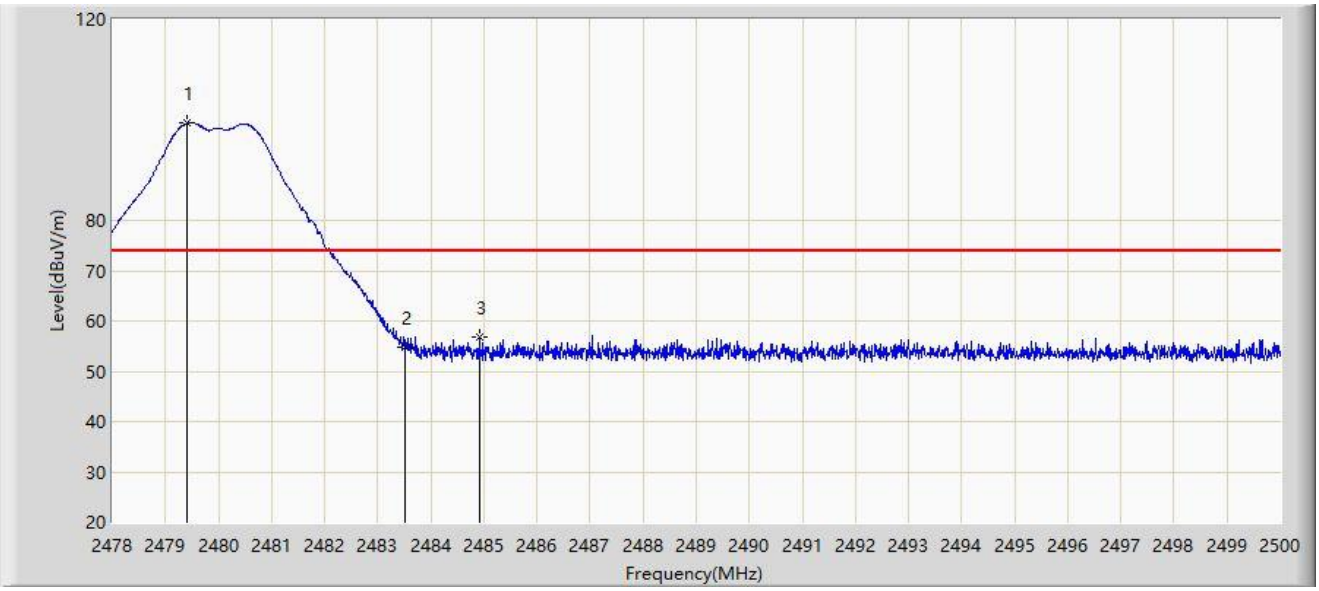
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Mode 3 – Filter 9#

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.419	99.376	66.992	N/A	N/A	N/A	32.385	PK
		2479.419	79.376	66.992	N/A	-20.00	N/A	32.385	AV
2		2483.500	54.924	22.542	-19.076	N/A	74.000	32.382	PK
		2483.500	34.924	22.542	-19.076	-20.00	54.000	32.382	AV
3	*	2484.908	56.908	24.526	-17.092	N/A	74.000	32.382	PK
		2484.908	36.908	24.526	-17.092	-20.00	54.000	32.382	AV

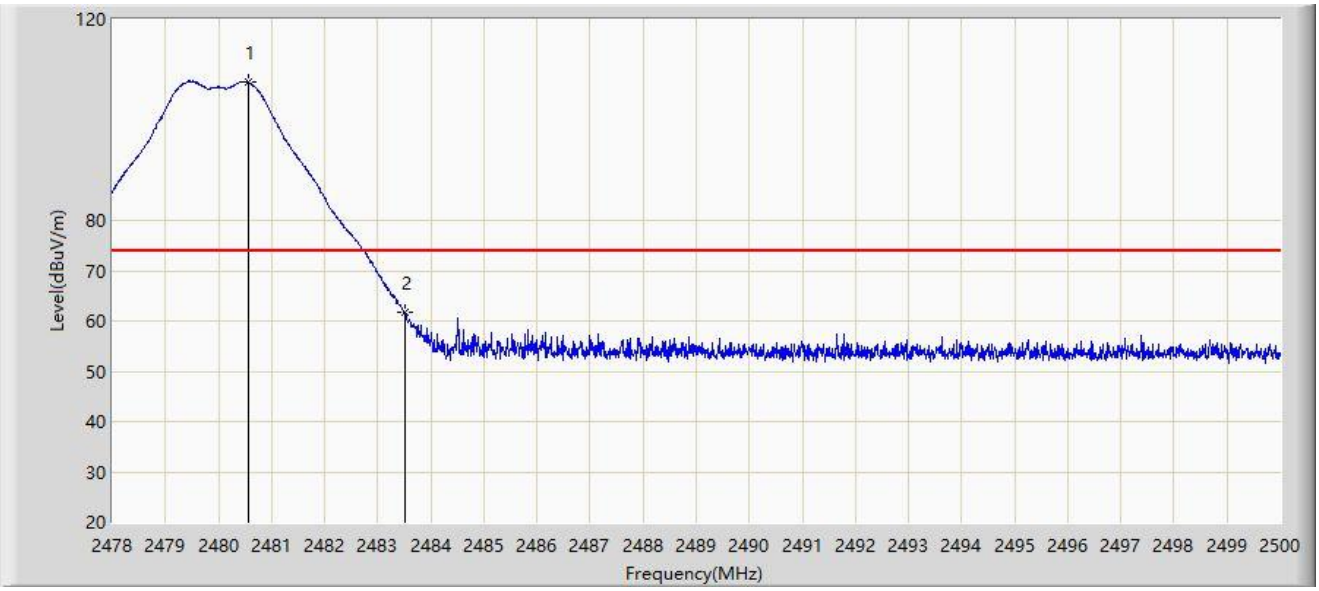
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

Site: WZ-AC2	Test Date: 2024-06-06
Limit: FCC_2.4G_RE(3m)	Engineer: Lucas Wang
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.552	107.433	75.049	N/A	N/A	N/A	32.383	PK
		2480.552	87.433	75.049	N/A	-20.00	N/A	32.383	AV
2	*	2483.500	61.877	29.495	-12.123	N/A	74.000	32.382	PK
		2483.500	41.877	29.495	-12.123	-20.00	54.000	32.382	AV

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

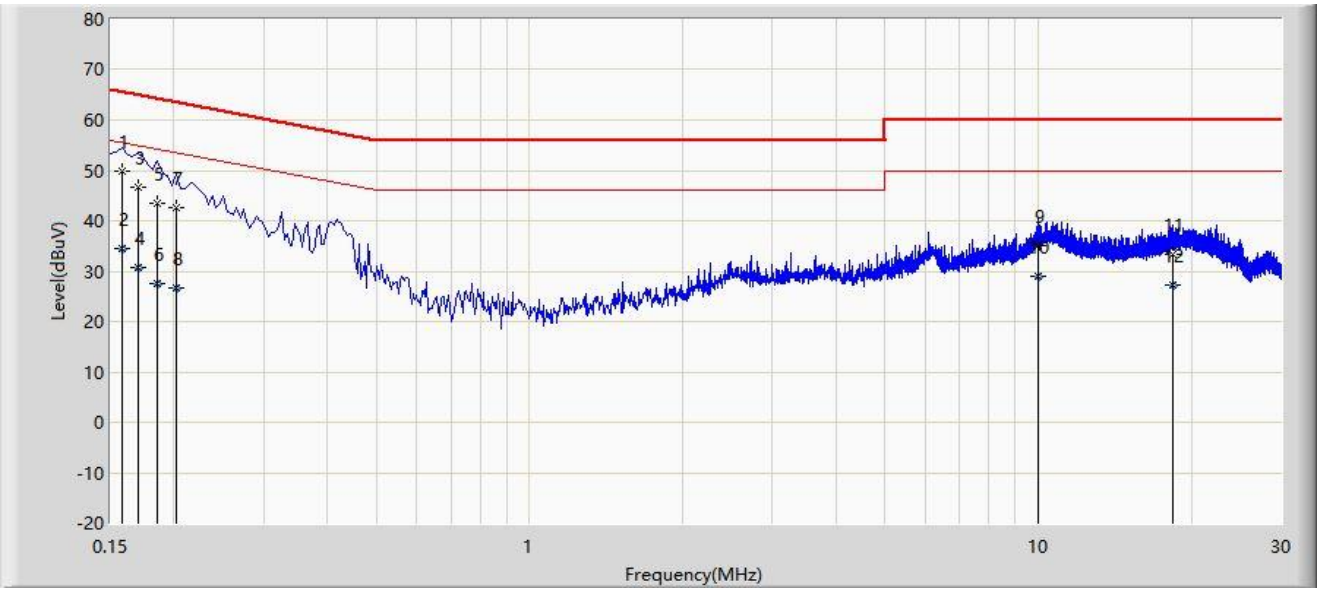
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: Average Measure Level = Peak Measure Level + Duty Cycle Factor, Duty Cycle Factor = -20dB.

A.8 AC Conducted Emissions Test Result

Site: WZ-SR2	Test Date: 2024-06-06
Temperature: 24.6°C	Humidity: 60.4%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Linda Wei
Probe: ENV216_101683_Filter Off_C	Polarity: Line
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at channel 2405MHz	



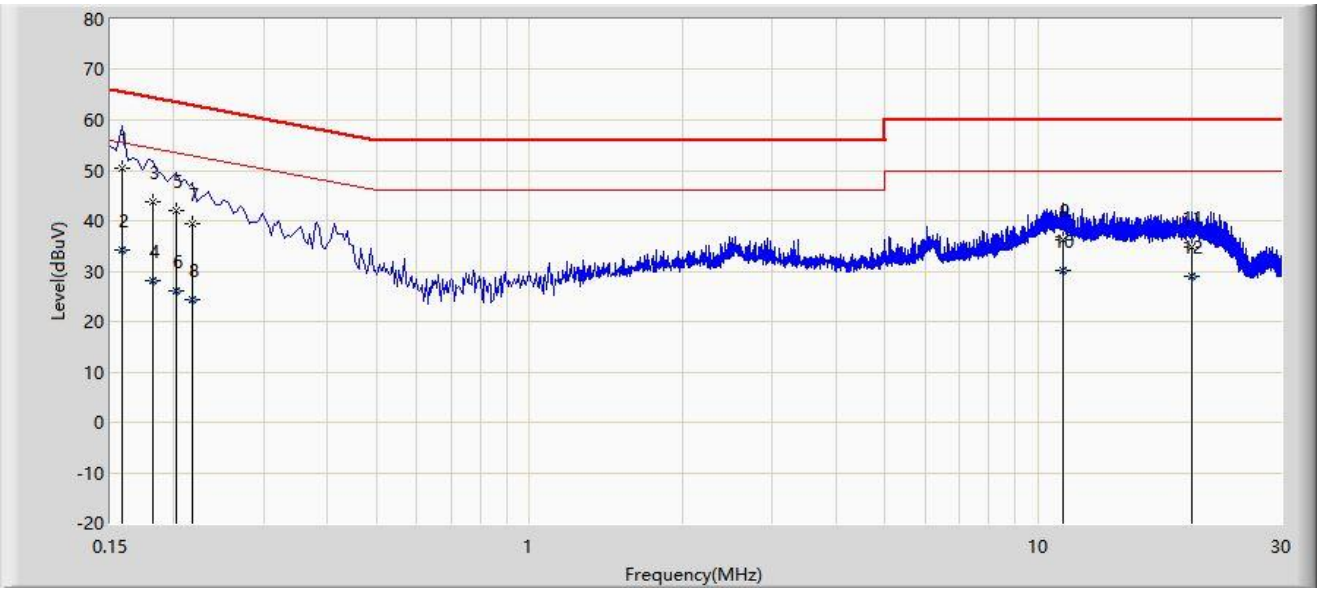
No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1	*	0.158	49.957	40.139	-15.611	65.568	9.819	QP
2		0.158	34.414	24.596	-21.155	55.568	9.819	AV
3		0.170	46.586	36.769	-18.375	64.960	9.818	QP
4		0.170	30.788	20.971	-24.172	54.960	9.818	AV
5		0.186	43.433	33.617	-20.780	64.213	9.816	QP
6		0.186	27.457	17.641	-26.757	54.213	9.816	AV
7		0.202	42.641	32.822	-20.887	63.528	9.818	QP
8		0.202	26.766	16.948	-26.761	53.528	9.818	AV
9		10.014	35.099	24.738	-24.901	60.000	10.361	QP
10		10.014	28.897	18.537	-21.103	50.000	10.361	AV
11		18.410	33.309	22.442	-26.691	60.000	10.868	QP
12		18.410	27.213	16.345	-22.787	50.000	10.868	AV

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

Note 2: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB).

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

Site: WZ-SR2	Test Date: 2024-06-06
Temperature: 24.6°C	Humidity: 60.4%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Linda Wei
Probe: ENV216_101683_Filter Off_C	Polarity: Neutral
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at channel 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1	*	0.158	50.463	40.338	-15.106	65.568	10.125	QP
2		0.158	34.163	24.039	-21.405	55.568	10.125	AV
3		0.182	43.784	33.671	-20.610	64.394	10.113	QP
4		0.182	28.005	17.893	-26.389	54.394	10.113	AV
5		0.202	42.035	31.930	-21.493	63.528	10.105	QP
6		0.202	26.046	15.940	-27.482	53.528	10.105	AV
7		0.218	39.309	29.208	-23.586	62.895	10.102	QP
8		0.218	24.379	14.278	-28.516	52.895	10.102	AV
9		11.162	36.204	25.537	-23.796	60.000	10.667	QP
10		11.162	30.231	19.564	-19.769	50.000	10.667	AV
11		19.986	34.770	23.540	-25.230	60.000	11.229	QP
12		19.986	28.931	17.702	-21.069	50.000	11.229	AV

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

Note 2: Measure Level (dBµV) = Reading Level (dBµV) + Factor (dB).

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

Appendix B – Test Setup Photograph

Refer to “2403RSU068-UT” file.

Appendix C – EUT Photograph

Refer to “2403RSU068-UE” file.

The End