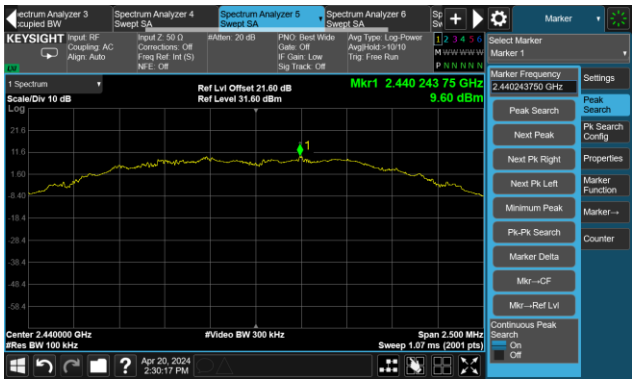
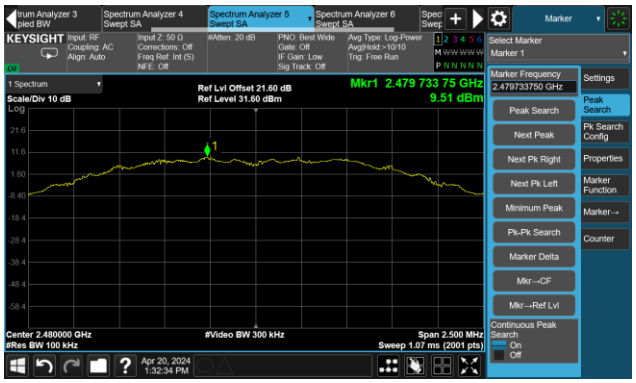
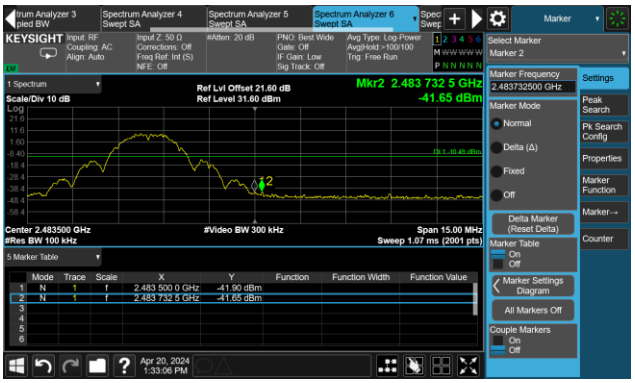
Channel 18 (2440MHz)	
100kHz PSD Reference Level	Spurious Emission
	
Channel 26 (2480MHz)	
100kHz PSD Reference Level	High Band Edge
	
Spurious Emission	
	

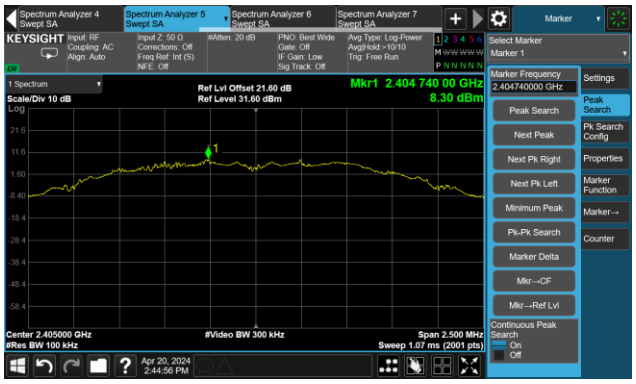
Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2024-04-20	Filter	8#

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

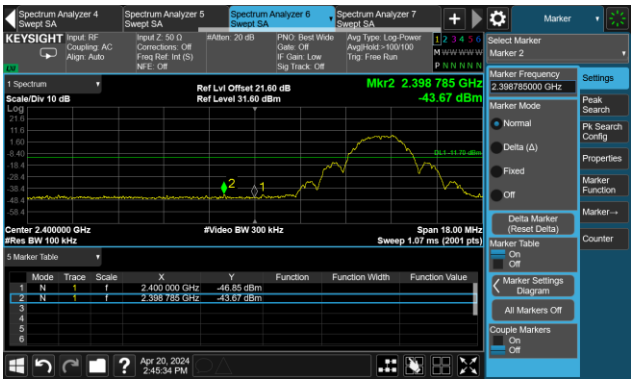
802.15.4 Out-of-Band Emissions

Channel 11 (2405MHz)

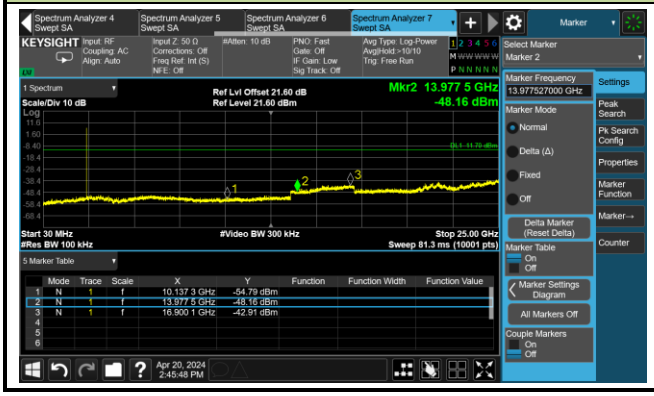
100kHz PSD Reference Level



Low Band Edge



Spurious Emission



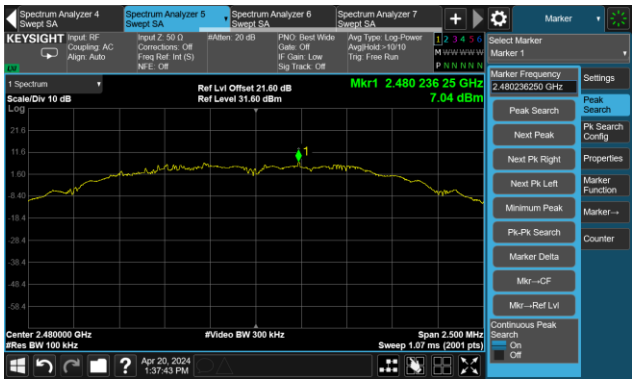
Test Site	WZ-SR5	Test Engineer	Luis Yang
Test Date	2024-04-20	Filter	9#

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

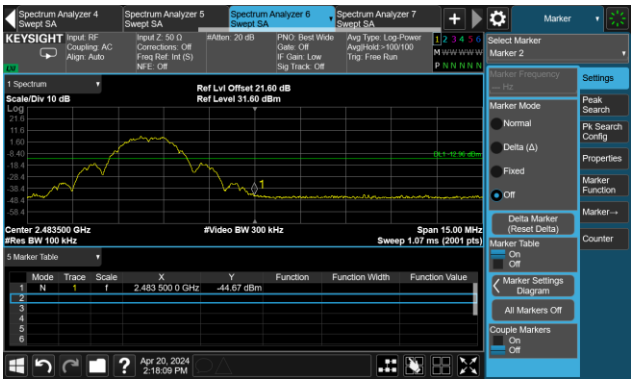
802.15.4 Out-of-Band Emissions

Channel 26 (2480MHz)

100kHz PSD Reference Level



High Band Edge



Spurious Emission

A.6 Radiated Spurious Emission Test Result

Mode 1

Test Site	SIP-AC2	Test Engineer	Barry Wu
Test Date	2024-05-11	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	8267.5	42.6	0.5	43.1	74.0	-30.9	Peak	Horizontal
	11438.0	41.4	6.0	47.4	74.0	-26.6	Peak	Horizontal
	18000.0	38.0	16.7	54.7	74.0	-19.3	Peak	Horizontal
	18000.0	27.2	16.7	43.9	54.0	-10.1	Average	Horizontal
	8225.0	41.6	0.6	42.2	74.0	-31.8	Peak	Vertical
	11744.0	41.3	5.1	46.4	74.0	-27.6	Peak	Vertical
	17915.0	38.7	16.9	55.6	74.0	-18.4	Peak	Vertical
	17915.0	27.4	16.9	44.3	54.0	-9.7	Average	Vertical
18	8123.0	42.9	1.0	43.9	74.0	-30.1	Peak	Horizontal
	11361.5	41.5	5.5	47.0	74.0	-27.0	Peak	Horizontal
	15662.5	39.3	5.9	45.2	74.0	-28.8	Peak	Horizontal
	7698.0	43.6	-0.8	42.8	74.0	-31.2	Peak	Vertical
	11021.5	42.0	5.0	47.0	74.0	-27.0	Peak	Vertical
	15501.0	40.0	6.7	46.7	74.0	-27.3	Peak	Vertical
26	8276.0	42.6	0.7	43.3	74.0	-30.7	Peak	Horizontal
	11106.5	41.4	5.4	46.8	74.0	-27.2	Peak	Horizontal
	15560.5	38.6	6.7	45.3	74.0	-28.7	Peak	Horizontal
	8131.5	42.1	0.7	42.8	74.0	-31.2	Peak	Vertical
	11438.0	41.3	6.0	47.3	74.0	-26.7	Peak	Vertical
	15509.5	40.1	6.6	46.7	74.0	-27.3	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	SIP-AC2	Test Engineer	Barry Wu
Test Date	2024-05-11	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	8301.5	42.9	0.2	43.1	74.0	-30.9	Peak	Horizontal
	11259.5	41.1	5.2	46.3	74.0	-27.7	Peak	Horizontal
	15424.5	39.7	6.8	46.5	74.0	-27.5	Peak	Horizontal
	7613.0	43.1	-0.1	43.0	74.0	-31.0	Peak	Vertical
	12313.5	41.4	5.0	46.4	74.0	-27.6	Peak	Vertical
	15603.0	38.6	6.1	44.7	74.0	-29.3	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	SIP-AC2	Test Engineer	Barry Wu
Test Date	2024-05-12	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	8174.0	42.7	0.9	43.6	74.0	-30.4	Peak	Horizontal
	12152.0	42.0	5.4	47.4	74.0	-26.6	Peak	Horizontal
	15424.5	40.8	6.8	47.6	74.0	-26.4	Peak	Horizontal
	8259.0	43.0	0.3	43.3	74.0	-30.7	Peak	Vertical
	11429.5	40.8	5.8	46.6	74.0	-27.4	Peak	Vertical
	15458.5	40.0	7.1	47.1	74.0	-26.9	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)								

Mode 2

Test Site	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-05-13	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	7494.0	49.3	-4.7	44.6	74.0	-29.4	Peak	Horizontal
	11421.0	48.9	-0.6	48.3	74.0	-25.7	Peak	Horizontal
	15713.5	44.7	5.2	49.9	74.0	-24.1	Peak	Horizontal
	7519.5	49.5	-4.7	44.8	74.0	-29.2	Peak	Vertical
	11064.0	48.0	0.4	48.4	74.0	-25.6	Peak	Vertical
	15705.0	43.6	5.0	48.6	74.0	-25.4	Peak	Vertical
18	8089.0	49.2	-3.3	45.9	74.0	-28.1	Peak	Horizontal
	10758.0	47.7	0.7	48.4	74.0	-25.6	Peak	Horizontal
	15620.0	45.0	5.7	50.7	74.0	-23.3	Peak	Horizontal
	8199.5	48.4	-3.1	45.3	74.0	-28.7	Peak	Vertical
	11412.5	49.0	-0.7	48.3	74.0	-25.7	Peak	Vertical
	15705.0	44.5	5.0	49.5	74.0	-24.5	Peak	Vertical
26	8123.0	50.0	-3.5	46.5	74.0	-27.5	Peak	Horizontal
	11659.0	49.4	-1.0	48.4	74.0	-25.6	Peak	Horizontal
	15917.5	45.5	4.7	50.2	74.0	-23.8	Peak	Horizontal
	7664.0	48.8	-4.5	44.3	74.0	-29.7	Peak	Vertical
	11183.0	48.1	-0.2	47.9	74.0	-26.1	Peak	Vertical
	15501.0	44.8	5.3	50.1	74.0	-23.9	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	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-05-13	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	7655.5	49.1	-4.5	44.6	74.0	-29.4	Peak	Horizontal
	11489.0	48.4	-0.1	48.3	74.0	-25.7	Peak	Horizontal
	15424.5	45.6	4.2	49.8	74.0	-24.2	Peak	Horizontal
	8182.5	48.6	-3.2	45.4	74.0	-28.6	Peak	Vertical
	11081.0	47.7	0.3	48.0	74.0	-26.0	Peak	Vertical
	15501.0	44.9	5.3	50.2	74.0	-23.8	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	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-05-13	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	8106.0	48.7	-3.2	45.5	74.0	-28.5	Peak	Horizontal
	11191.5	49.1	-0.3	48.8	74.0	-25.2	Peak	Horizontal
	15943.0	44.9	5.7	50.6	74.0	-23.4	Peak	Horizontal
	7655.5	49.3	-4.5	44.8	74.0	-29.2	Peak	Vertical
	11123.5	49.0	-0.3	48.7	74.0	-25.3	Peak	Vertical
	15628.5	44.4	5.4	49.8	74.0	-24.2	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	SIP-AC2 & SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-05-12 ~ 2024-05-13	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	8267.5	42.3	0.5	42.8	74.0	-31.2	Peak	Horizontal
	11336.0	40.9	5.5	46.4	74.0	-27.6	Peak	Horizontal
	15467.0	40.4	7.2	47.6	74.0	-26.4	Peak	Horizontal
	8199.5	42.7	0.6	43.3	74.0	-30.7	Peak	Vertical
	11523.0	40.7	5.4	46.1	74.0	-27.9	Peak	Vertical
	15739.0	39.9	5.9	45.8	74.0	-28.2	Peak	Vertical
18	8191.0	48.7	-3.1	45.6	74.0	-28.4	Peak	Horizontal
	11081.0	47.8	0.3	48.1	74.0	-25.9	Peak	Horizontal
	15603.0	45.0	4.9	49.9	74.0	-24.1	Peak	Horizontal
	7672.5	48.9	-4.5	44.4	74.0	-29.6	Peak	Vertical
	10945.0	47.5	0.5	48.0	74.0	-26.0	Peak	Vertical
	15832.5	45.1	5.1	50.2	74.0	-23.8	Peak	Vertical
26	11072.5	47.5	0.4	47.9	74.0	-26.1	Peak	Horizontal
	15960.0	45.3	6.4	51.7	74.0	-22.3	Peak	Horizontal
	15960.0	33.7	6.4	40.1	54.0	-13.9	Average	Horizontal
	17847.0	45.6	8.8	54.4	74.0	-19.6	Peak	Horizontal
	17847.0	33.5	8.8	42.3	54.0	-11.7	Average	Horizontal
	11506.0	49.3	-0.6	48.7	74.0	-25.3	Peak	Vertical
	15960.0	44.8	6.4	51.2	74.0	-22.8	Peak	Vertical
	15960.0	33.7	6.4	40.1	54.0	-13.9	Average	Vertical
	17847.0	45.3	8.8	54.1	74.0	-19.9	Peak	Vertical
	17847.0	33.5	8.8	42.3	54.0	-11.7	Average	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	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-05-13	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.		

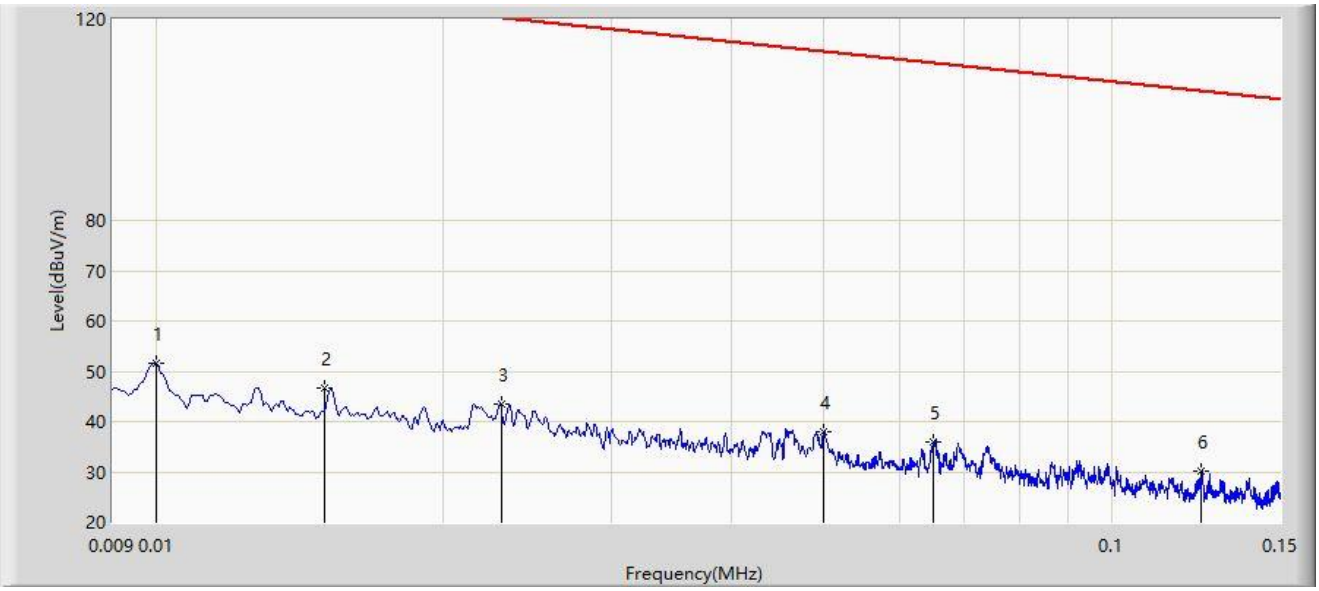
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11	8165.5	49.2	-3.3	45.9	74.0	-28.1	Peak	Horizontal
	11616.5	48.5	-0.8	47.7	74.0	-26.3	Peak	Horizontal
	15560.5	45.0	5.2	50.2	74.0	-23.8	Peak	Horizontal
	8199.5	48.5	-3.1	45.4	74.0	-28.6	Peak	Vertical
	10860.0	47.7	0.5	48.2	74.0	-25.8	Peak	Vertical
	15951.5	45.9	6.0	51.9	74.0	-22.1	Peak	Vertical
	15951.5	33.6	6.0	39.6	54.0	-14.4	Average	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	SIP-AC3	Test Engineer	Barry Wu
Test Date	2024-05-13	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	7681.0	49.1	-4.5	44.6	74.0	-29.4	Peak	Horizontal
	11378.5	48.2	-0.5	47.7	74.0	-26.3	Peak	Horizontal
	15424.5	45.4	4.2	49.6	74.0	-24.4	Peak	Horizontal
	7672.5	50.1	-4.5	45.6	74.0	-28.4	Peak	Vertical
	11497.5	48.4	-0.3	48.1	74.0	-25.9	Peak	Vertical
	15501.0	44.4	5.3	49.7	74.0	-24.3	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)								

The Result of Radiated Emission 9kHz ~ 30MHz:

Site: SIP-AC1	Test Date: 2024-05-14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Fusco Pan
Probe: FMZB 1519-60 D_9kHz-40MHz	Polarity: Coaxial
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)	Limit (dBµV/m)	Factor (dB/m)	Type
1		0.010	51.453	31.014	-76.132	127.585	20.439	PK
2		0.015	46.700	26.261	-77.365	124.065	20.439	PK
3		0.023	43.500	23.061	-76.855	120.355	20.439	PK
4		0.050	37.952	17.514	-75.662	113.614	20.438	PK
5	*	0.065	36.065	15.646	-75.271	111.336	20.419	PK
6		0.124	30.162	9.807	-75.567	105.729	20.355	PK

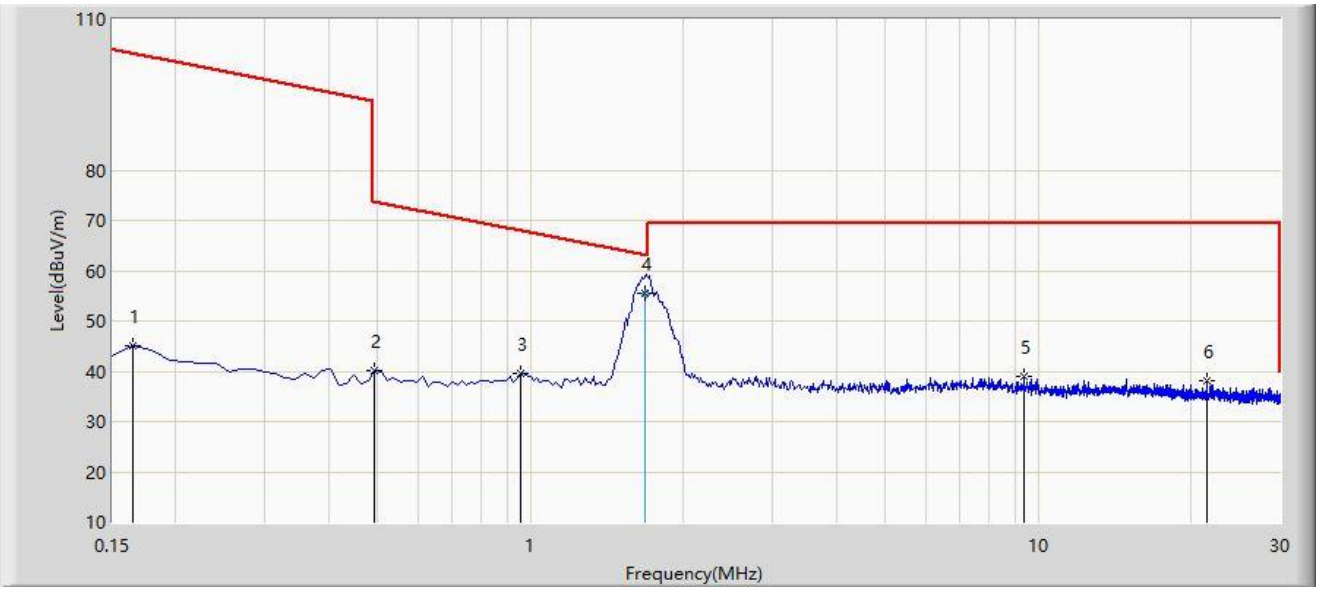
Note 1: " * ", means this data is the worst emission level.

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

Site: SIP-AC1	Test Date: 2024-05-14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Fusco Pan
Probe: FMZB 1519-60 D_9kHz-40MHz	Polarity: Coaxial
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)	Limit (dBµV/m)	Factor (dB/m)	Type
1		0.165	45.094	24.772	-58.155	103.249	20.322	PK
2		0.493	40.258	20.968	-33.489	73.747	19.290	PK
3		0.956	39.626	20.408	-28.385	68.011	19.218	PK
4	*	1.687	55.642	36.200	-7.450	63.092	19.442	QP
5		9.389	38.981	19.173	-30.519	69.500	19.808	PK
6		21.567	38.127	18.223	-31.373	69.500	19.904	PK

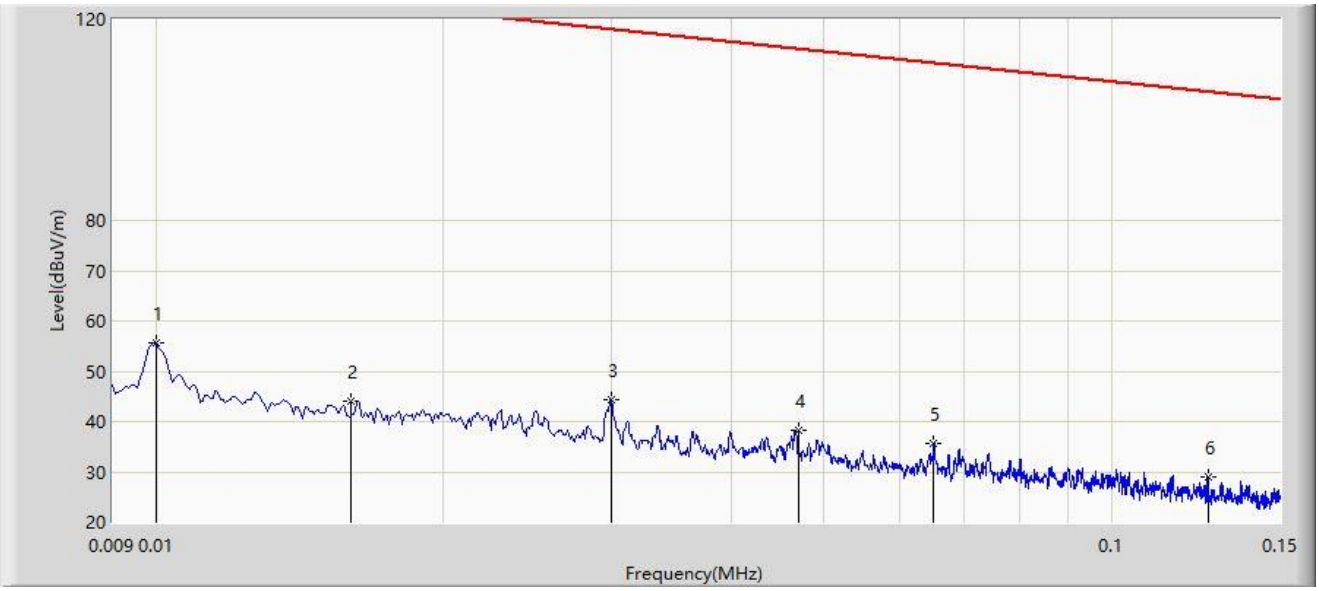
Note 1: " * ", means this data is the worst emission level.

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

Site: SIP-AC1	Test Date: 2024-05-14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Fusco Pan
Probe: FMZB 1519-60 D_9kHz-40MHz	Polarity: Coplanar
EUT: ACCESS POINT	Power: AC 120V/60Hz
Note: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	0.010	55.631	35.192	-71.954	127.585	20.439	PK
2		0.016	44.097	23.658	-79.408	123.505	20.439	PK
3		0.030	44.317	23.878	-73.731	118.048	20.439	PK
4		0.047	38.342	17.903	-75.809	114.151	20.439	PK
5		0.065	35.625	15.206	-75.711	111.336	20.419	PK
6		0.126	28.895	8.542	-76.695	105.590	20.353	PK

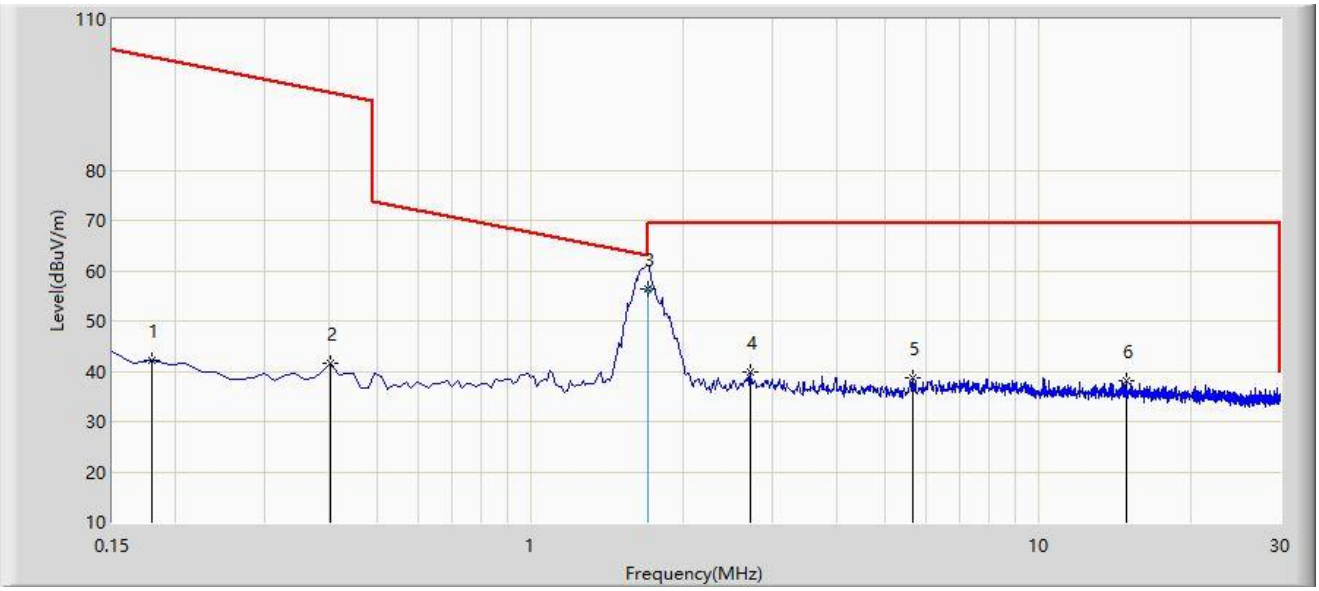
Note 1: " * ", means this data is the worst emission level.

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

Site: SIP-AC1	Test Date: 2024-05-14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Fusco Pan
Probe: FMZB 1519-60 D_9kHz-40MHz	Polarity: Coplanar
EUT: ACCESS POINT	Power: AC 120V/60Hz
Note: Transmit by Zigbee at 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		0.180	42.313	22.002	-60.181	102.494	20.311	PK
2		0.404	41.476	22.130	-54.000	95.475	19.346	PK
3	*	1.702	56.335	36.890	-6.681	63.015	19.445	QP
4		2.717	39.720	20.056	-29.780	69.500	19.664	PK
5		5.672	38.741	19.239	-30.759	69.500	19.503	PK
6		14.896	37.974	18.149	-31.526	69.500	19.825	PK

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

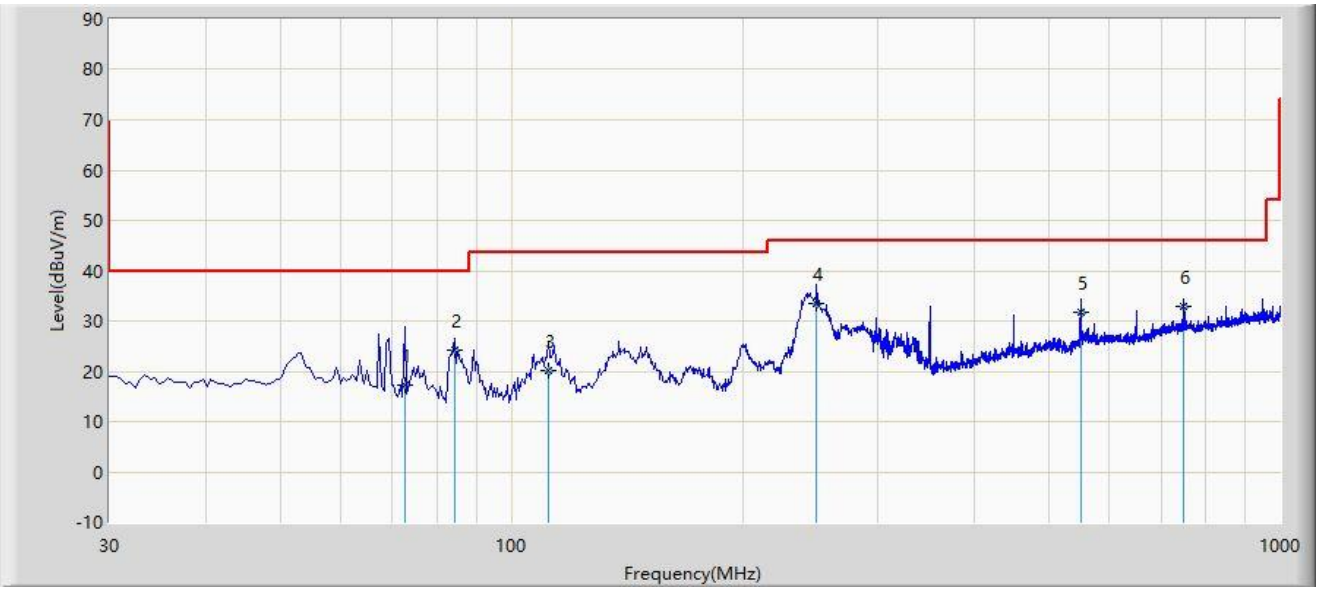
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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

Note 4: 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: SIP-AC1	Test Date: 2024-04-25
Limit: FCC_Part15.209_RSE(3m)	Engineer: Barry Wu
Probe: VULB 9168_00998_25-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2405MHz	



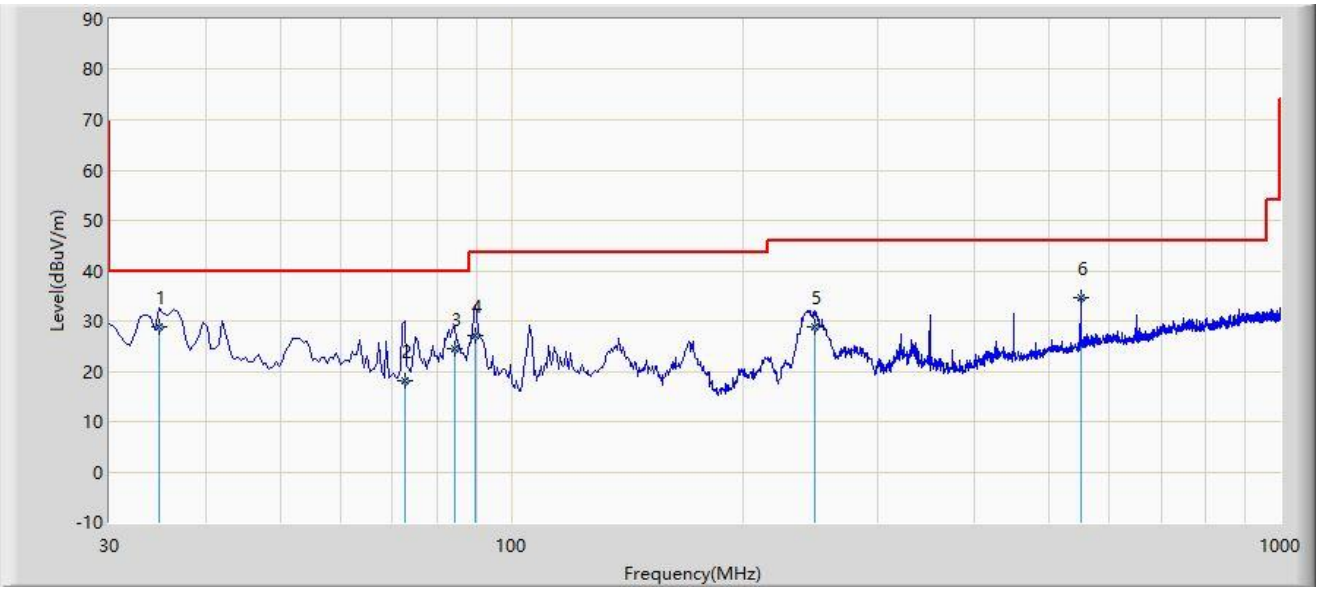
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		72.680	17.186	2.000	-22.814	40.000	15.186	QP
2		84.320	24.064	11.500	-15.936	40.000	12.564	QP
3		111.965	20.047	5.000	-23.453	43.500	15.047	QP
4	*	249.705	33.418	17.000	-12.582	46.000	16.419	QP
5		549.920	31.780	8.000	-14.220	46.000	23.779	QP
6		750.250	33.039	5.000	-12.961	46.000	28.038	QP

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).

Site: SIP-AC1	Test Date: 2024-04-25
Limit: FCC_Part15.209_RSE(3m)	Engineer: Barry Wu
Probe: VULB 9168_00998_25-2000MHz	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)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	34.850	28.954	12.100	-11.046	40.000	16.855	QP
2		72.680	18.186	3.000	-21.814	40.000	15.186	QP
3		84.320	24.564	12.000	-15.436	40.000	12.564	QP
4		89.655	27.241	15.100	-16.259	43.500	12.141	QP
5		248.250	28.886	12.500	-17.114	46.000	16.386	QP
6		549.920	34.780	11.000	-11.220	46.000	23.779	QP

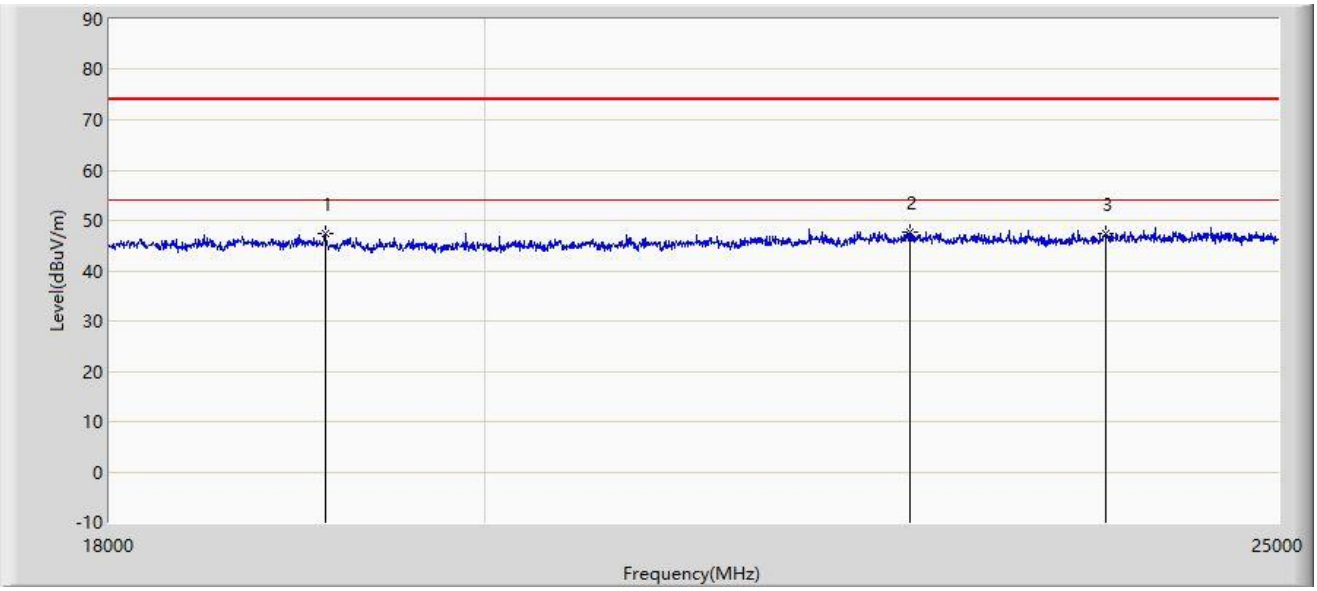
Note 1: " * ", means this data is the worst emission level.

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

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

The Result of Radiated Emission 18 ~ 25GHz:

Site: SIP-AC2	Test Date: 2024-04-28
Limit: FCC_Part15.209_RSE(3m)	Engineer: Fusco Pan
Probe: BBHA 9170_00934_18-40GHz	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)	Limit (dBµV/m)	Factor (dB/m)	Type
1		19127.000	47.350	58.893	-26.650	74.000	-11.542	PK
2	*	22539.500	47.674	56.353	-26.326	74.000	-8.679	PK
3		23820.500	47.369	55.546	-26.631	74.000	-8.177	PK

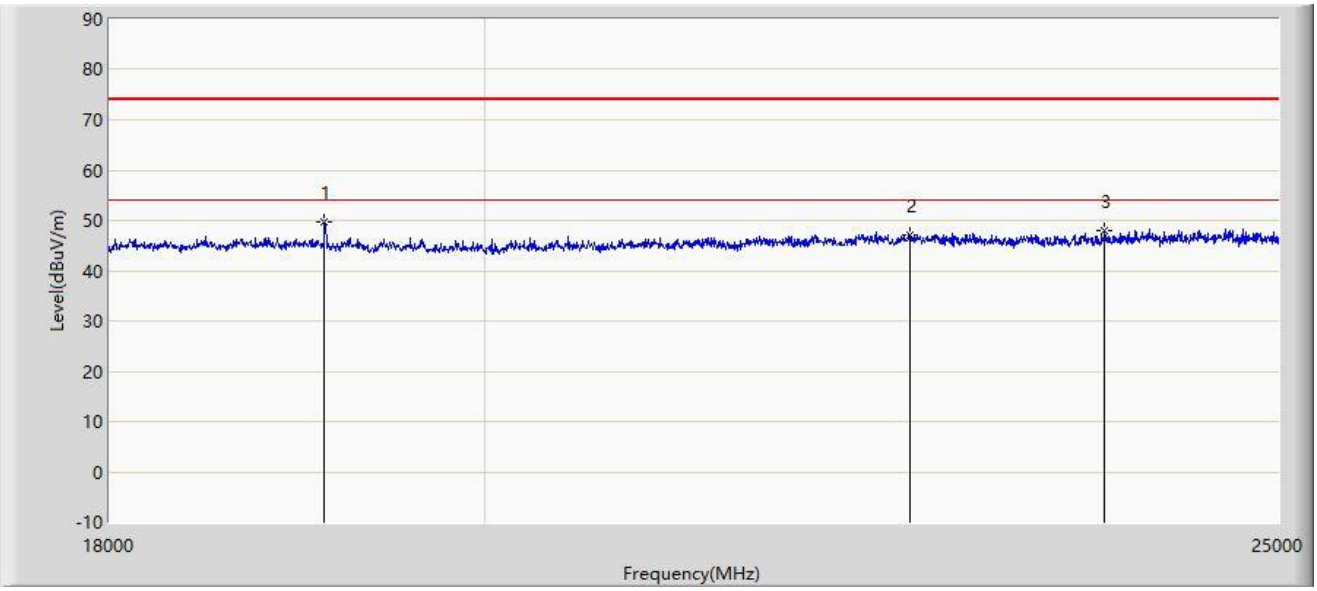
Note 1: " * ", means this data is the worst emission level.

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

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

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

Site: SIP-AC2	Test Date: 2024-04-28
Limit: FCC_Part15.209_RSE(3m)	Engineer: Fusco Pan
Probe: BBHA 9170_00934_18-40GHz	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)	Limit (dBµV/m)	Factor (dB/m)	Type
1	*	19120.000	49.678	61.222	-24.322	74.000	-11.545	PK
2		22539.500	47.014	55.693	-26.986	74.000	-8.679	PK
3		23806.500	48.025	56.228	-25.975	74.000	-8.204	PK

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

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

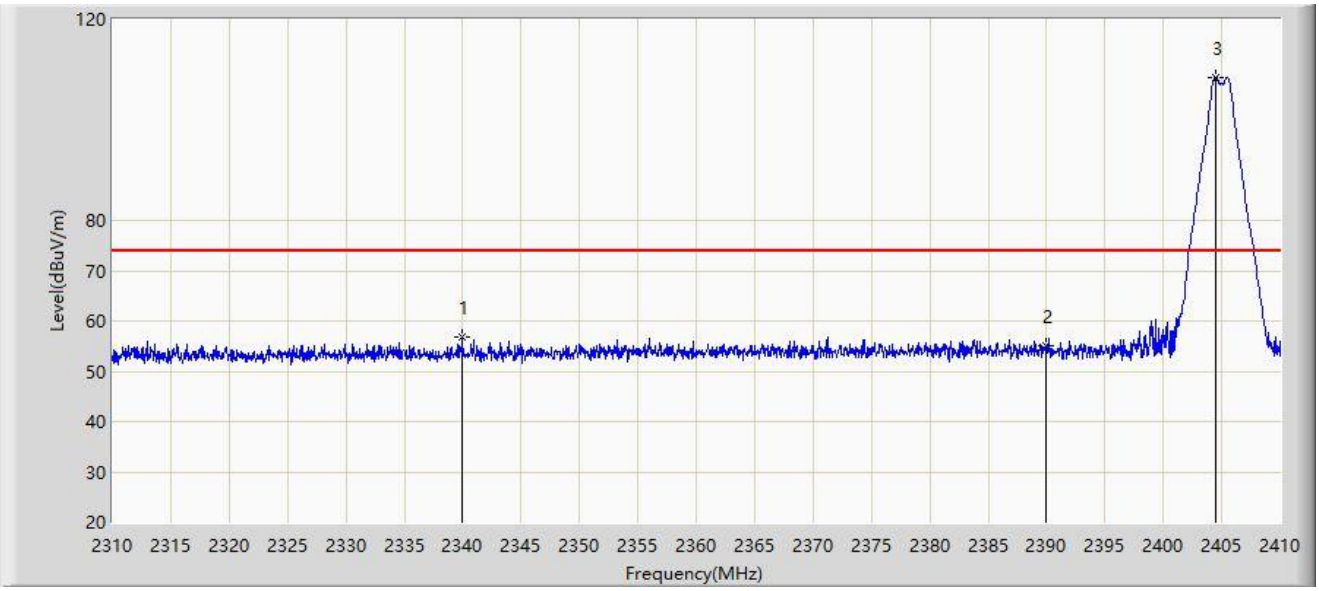
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Note 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: SIP-AC1	Test Date: 2024-04-25
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2339.950	56.929	24.644	-17.071	N/A	74.000	32.285	PK
		2339.950	36.929	24.644	-17.071	-20.00	54.000	32.285	AV
2		2390.000	54.949	22.217	-19.051	N/A	74.000	32.732	PK
		2390.000	34.949	22.217	-19.051	-20.00	54.000	32.732	AV
3		2404.500	108.476	75.784	N/A	N/A	N/A	32.692	PK
		2404.500	88.476	75.784	N/A	-20.00	N/A	32.692	AV

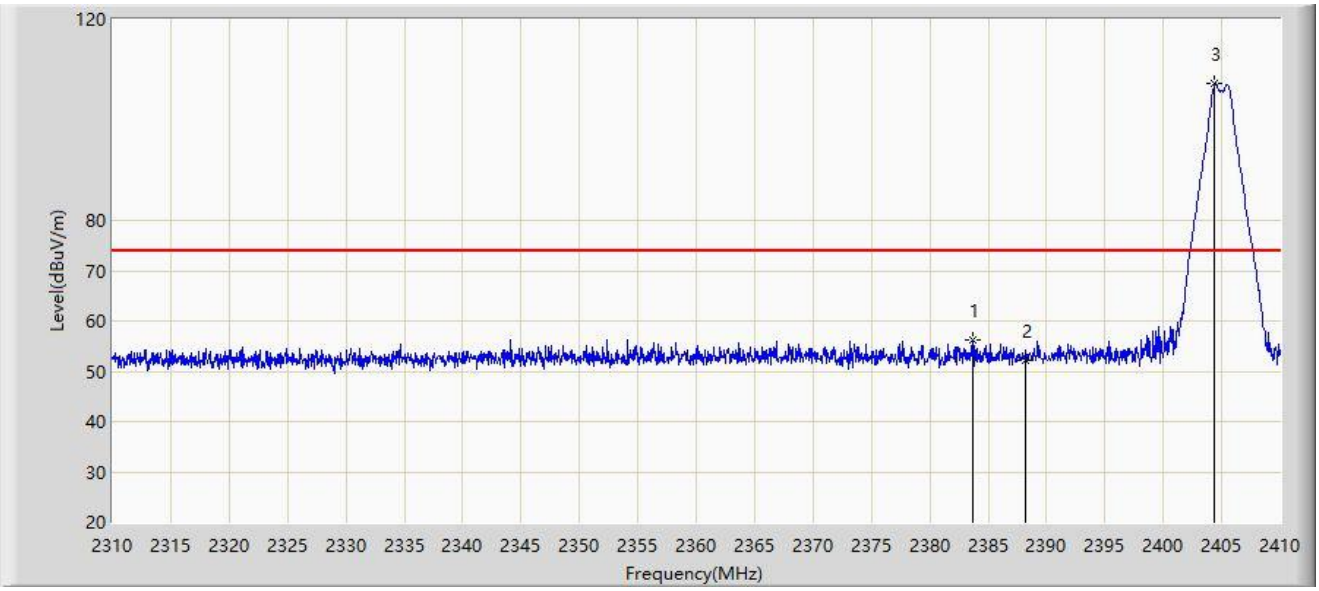
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-25
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2383.700	56.297	23.625	-17.703	N/A	74.000	32.672	PK
		2383.700	36.297	23.625	-17.703	-20.00	54.000	32.672	AV
2		2388.150	52.096	19.382	-21.904	N/A	74.000	32.714	PK
		2388.150	32.096	19.382	-21.904	-20.00	54.000	32.714	AV
3		2404.400	107.143	74.450	N/A	N/A	N/A	32.693	PK
		2404.400	87.143	74.450	N/A	-20.00	N/A	32.693	AV

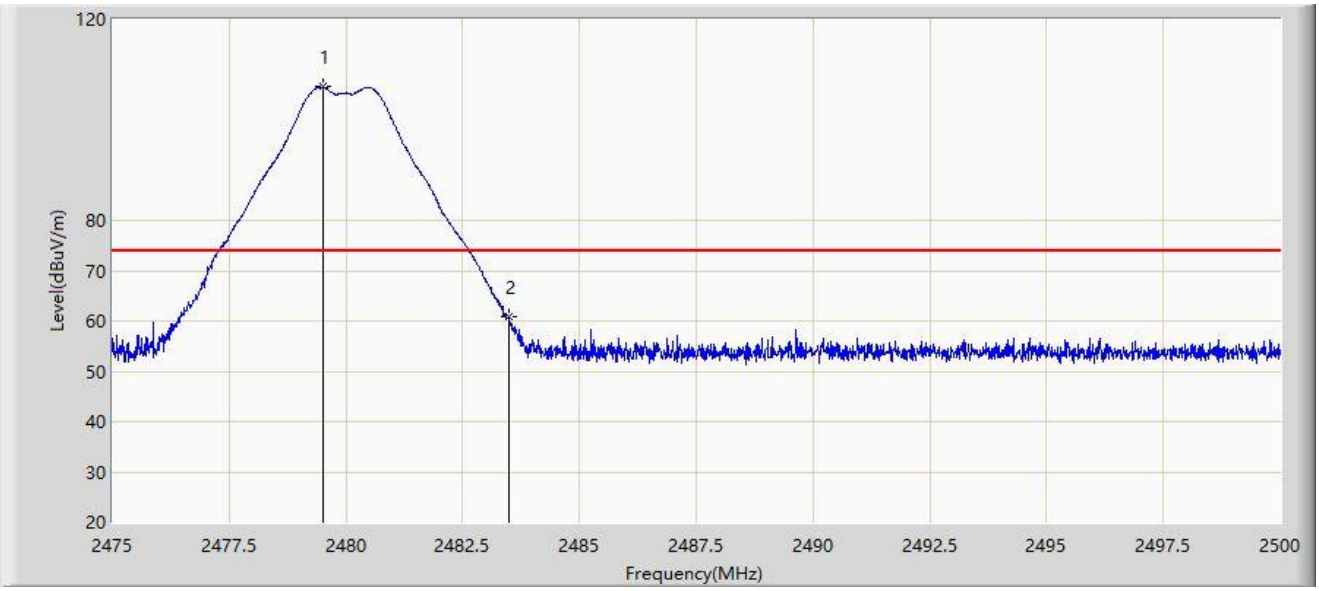
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-25
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2479.512	106.660	73.612	N/A	N/A	N/A	33.048	PK
		2479.512	86.660	73.612	N/A	-20.00	N/A	33.048	AV
2	*	2483.500	60.756	27.697	-13.244	N/A	74.000	33.060	PK
		2483.500	40.756	27.697	-13.244	-20.00	54.000	33.060	AV

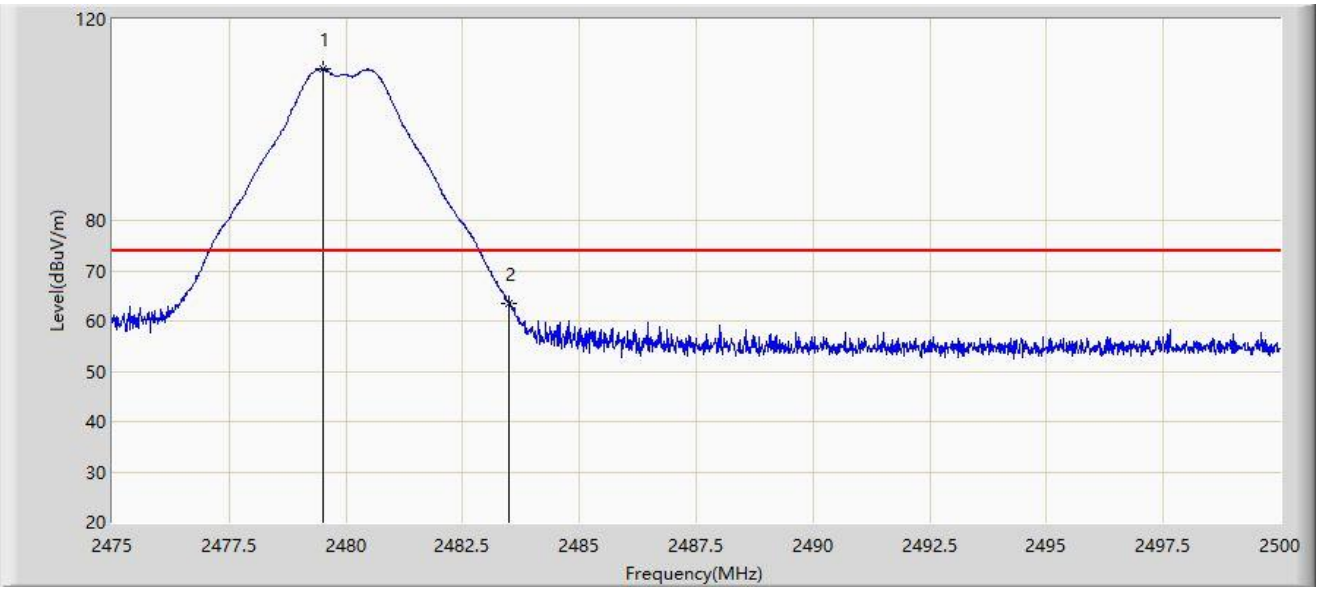
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-25
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2479.500	110.220	77.172	N/A	N/A	N/A	33.048	PK
		2479.500	90.220	77.172	N/A	-20.00	N/A	33.048	AV
2	*	2483.500	63.528	30.469	-10.472	N/A	74.000	33.060	PK
		2483.500	43.528	30.469	-10.472	-20.00	54.000	33.060	AV

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

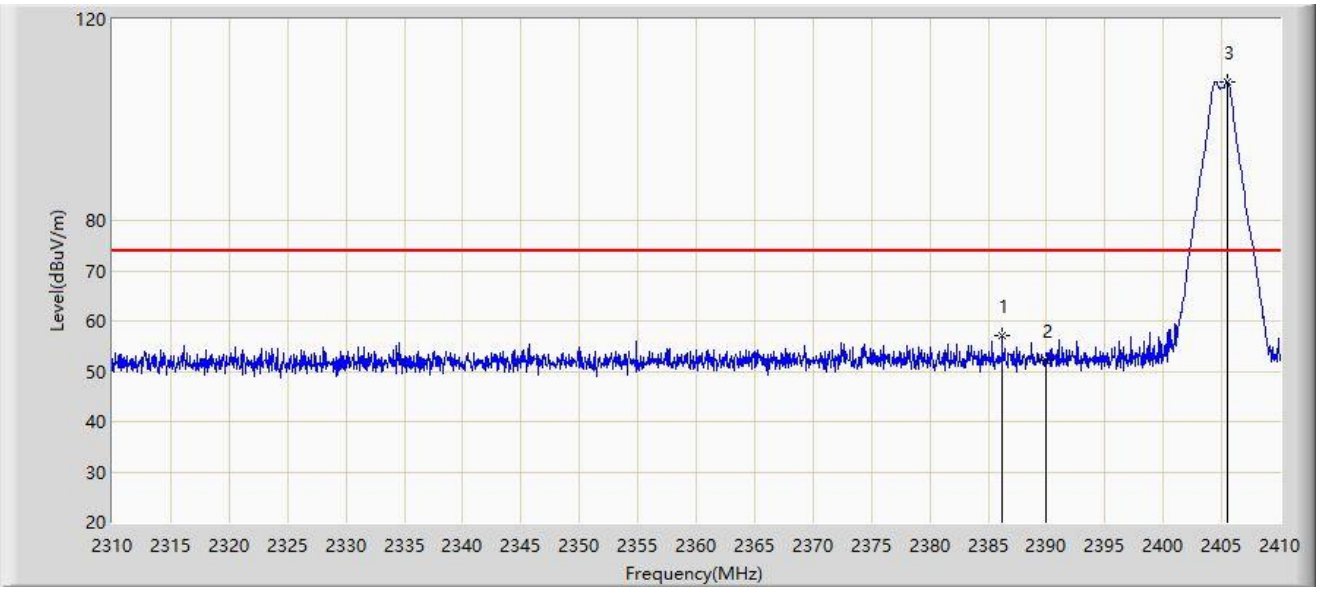
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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: SIP-AC1	Test Date: 2024-04-25
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2386.200	57.140	24.444	-16.860	N/A	74.000	32.696	PK
		2386.200	37.140	24.444	-16.860	-20.00	54.000	32.696	AV
2		2390.000	52.033	19.301	-21.967	N/A	74.000	32.732	PK
		2390.000	32.033	19.301	-21.967	-20.00	54.000	32.732	AV
3		2405.450	107.557	74.872	N/A	N/A	N/A	32.685	PK
		2405.450	87.557	74.872	N/A	-20.00	N/A	32.685	AV

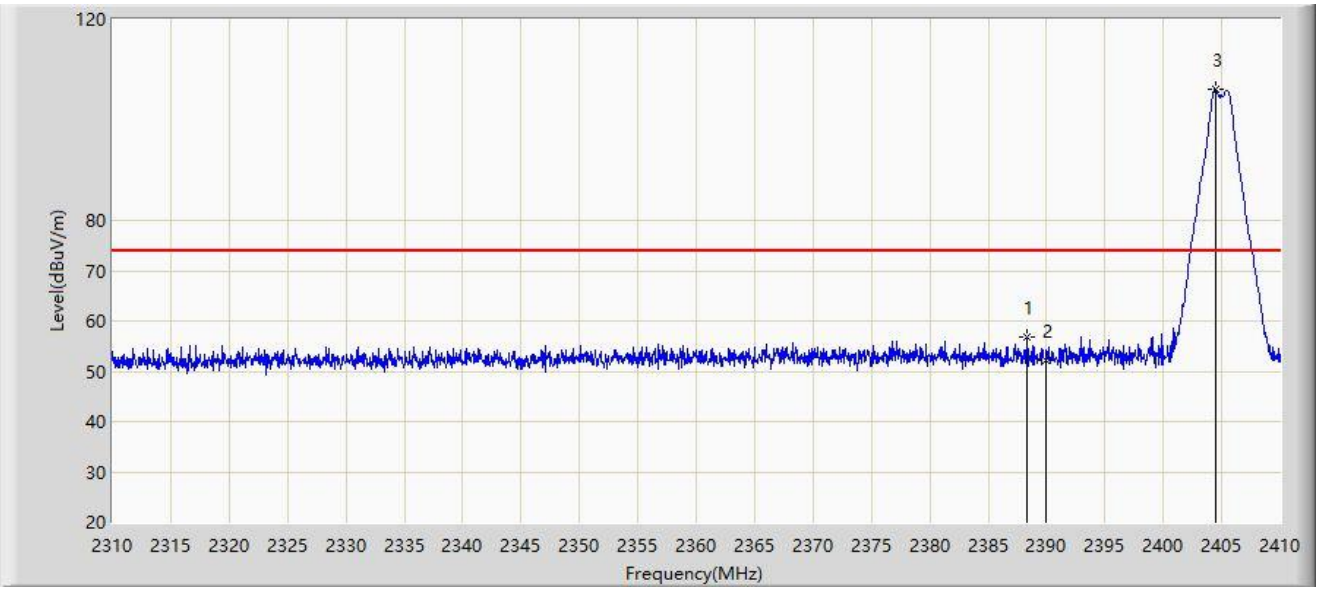
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-25
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2388.350	56.693	23.977	-17.307	N/A	74.000	32.716	PK
		2388.350	36.693	23.977	-17.307	-20.00	54.000	32.716	AV
2		2390.000	52.049	19.317	-21.951	N/A	74.000	32.732	PK
		2390.000	32.049	19.317	-21.951	-20.00	54.000	32.732	AV
3		2404.500	106.192	73.500	N/A	N/A	N/A	32.692	PK
		2404.500	86.192	73.500	N/A	-20.00	N/A	32.692	AV

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

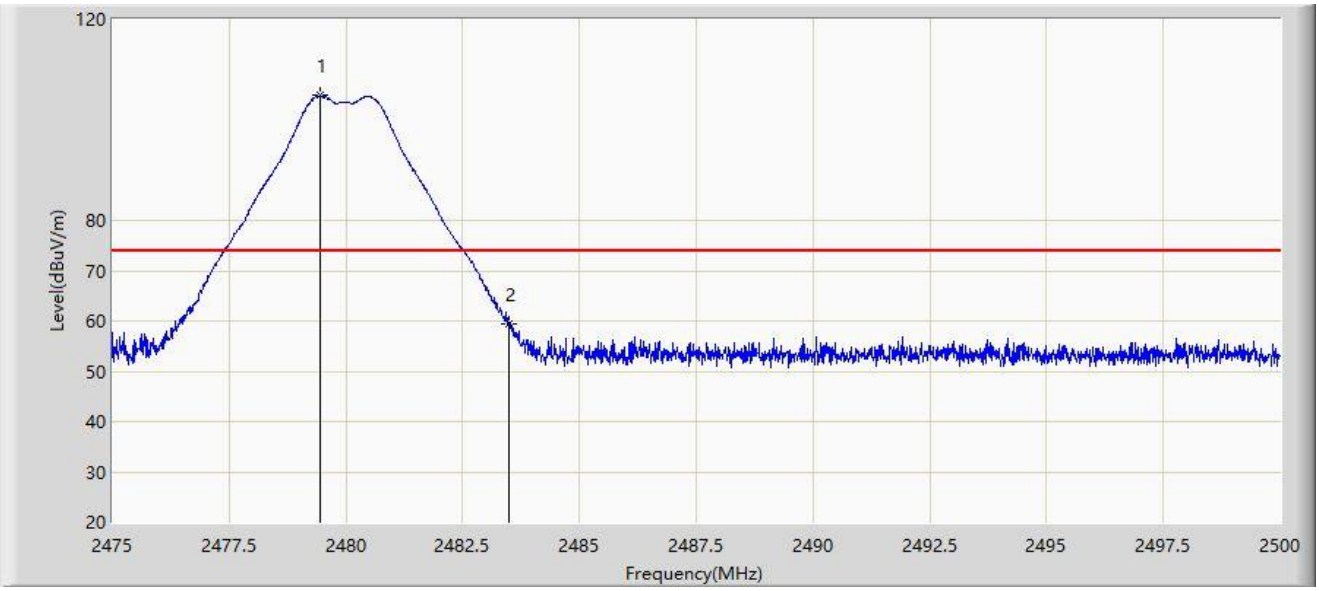
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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: SIP-AC1	Test Date: 2024-04-26
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2479.437	104.912	71.864	N/A	N/A	N/A	33.048	PK
		2479.437	84.912	71.864	N/A	-20.00	N/A	33.048	AV
2	*	2483.500	59.307	26.248	-14.693	N/A	74.000	33.060	PK
		2483.500	39.307	26.248	-14.693	-20.00	54.000	33.060	AV

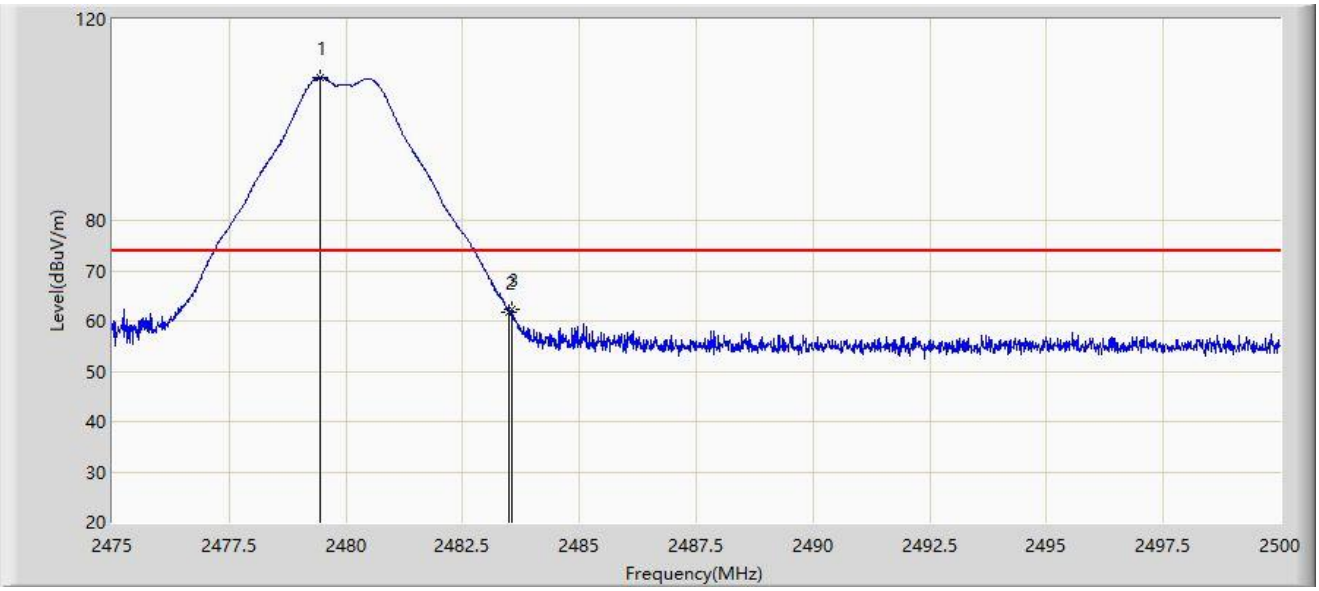
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-26
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2479.462	108.430	75.382	N/A	N/A	N/A	33.048	PK
		2479.462	88.430	75.382	N/A	-20.00	N/A	33.048	AV
2		2483.500	61.643	28.584	-12.357	N/A	74.000	33.060	PK
		2483.500	41.643	28.584	-12.357	-20.00	54.000	33.060	AV
3	*	2483.562	62.178	29.119	-11.822	N/A	74.000	33.060	PK
		2483.562	42.178	29.119	-11.822	-20.00	54.000	33.060	AV

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

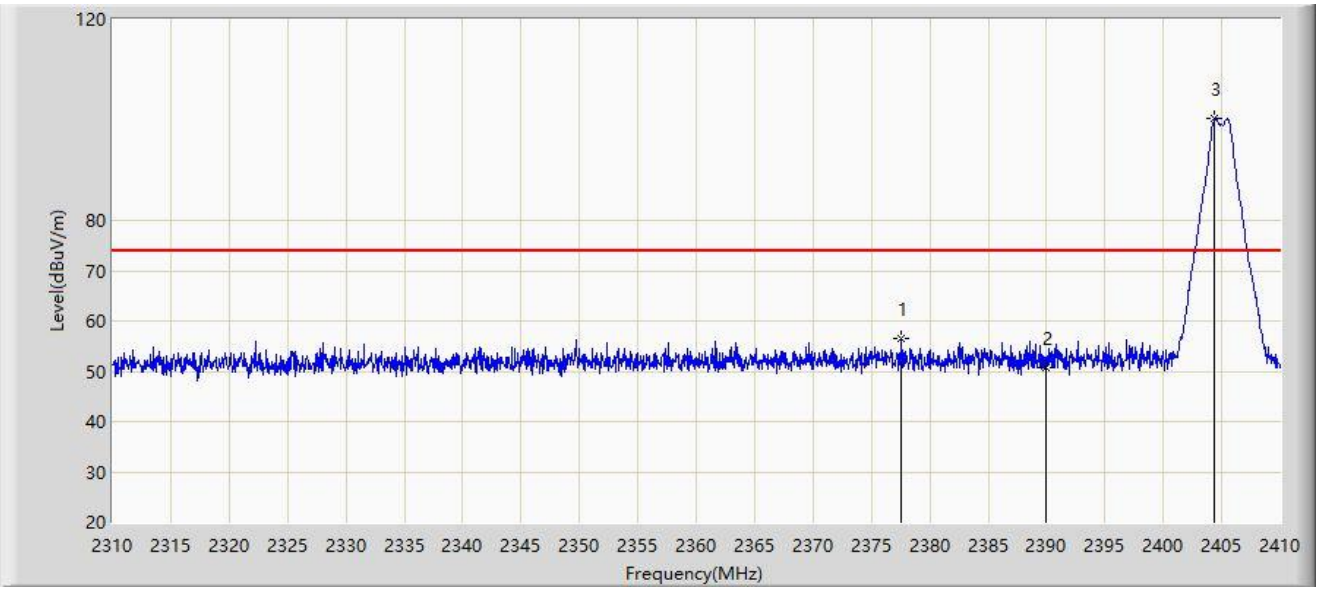
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2377.600	56.414	23.800	-17.586	N/A	74.000	32.614	PK
		2377.600	36.414	23.800	-17.586	-20.00	54.000	32.614	AV
2		2390.000	50.633	17.901	-23.367	N/A	74.000	32.732	PK
		2390.000	30.633	17.901	-23.367	-20.00	54.000	32.732	AV
3		2404.400	100.360	67.667	N/A	N/A	N/A	32.693	PK
		2404.400	80.360	67.667	N/A	-20.00	N/A	32.693	AV

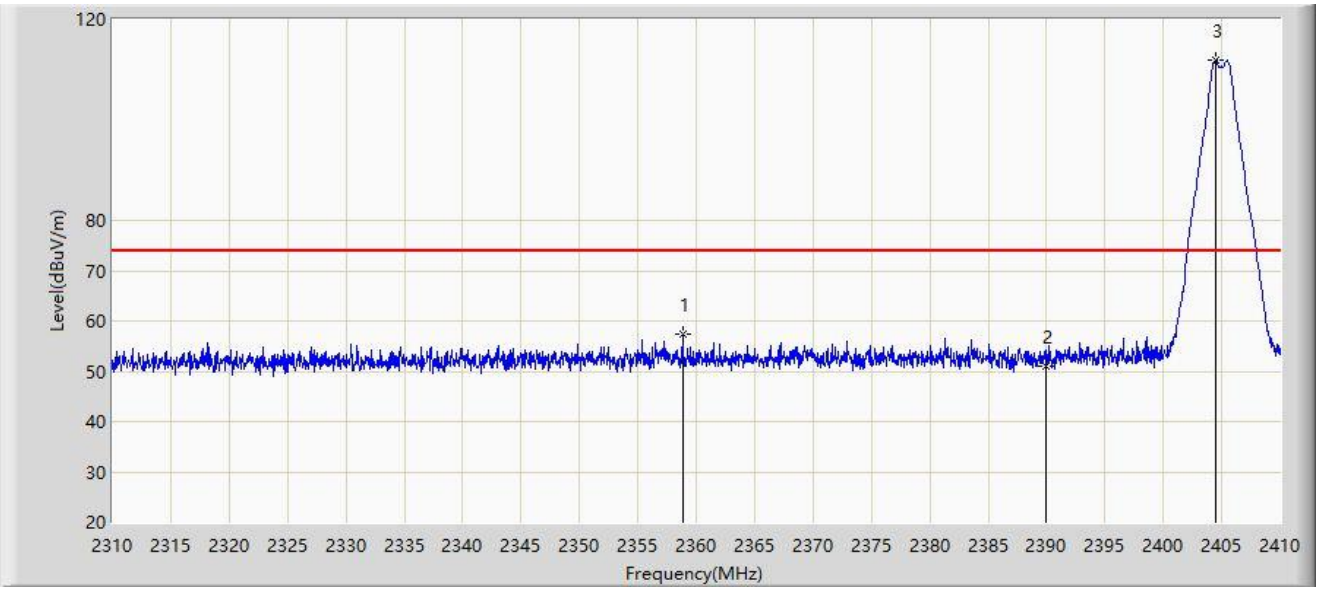
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2358.850	57.525	25.033	-16.475	N/A	74.000	32.492	PK
		2358.850	37.525	25.033	-16.475	-20.00	54.000	32.492	AV
2		2390.000	51.037	18.305	-22.963	N/A	74.000	32.732	PK
		2390.000	31.037	18.305	-22.963	-20.00	54.000	32.732	AV
3		2404.500	111.872	79.180	N/A	N/A	N/A	32.692	PK
		2404.500	91.872	79.180	N/A	-20.00	N/A	32.692	AV

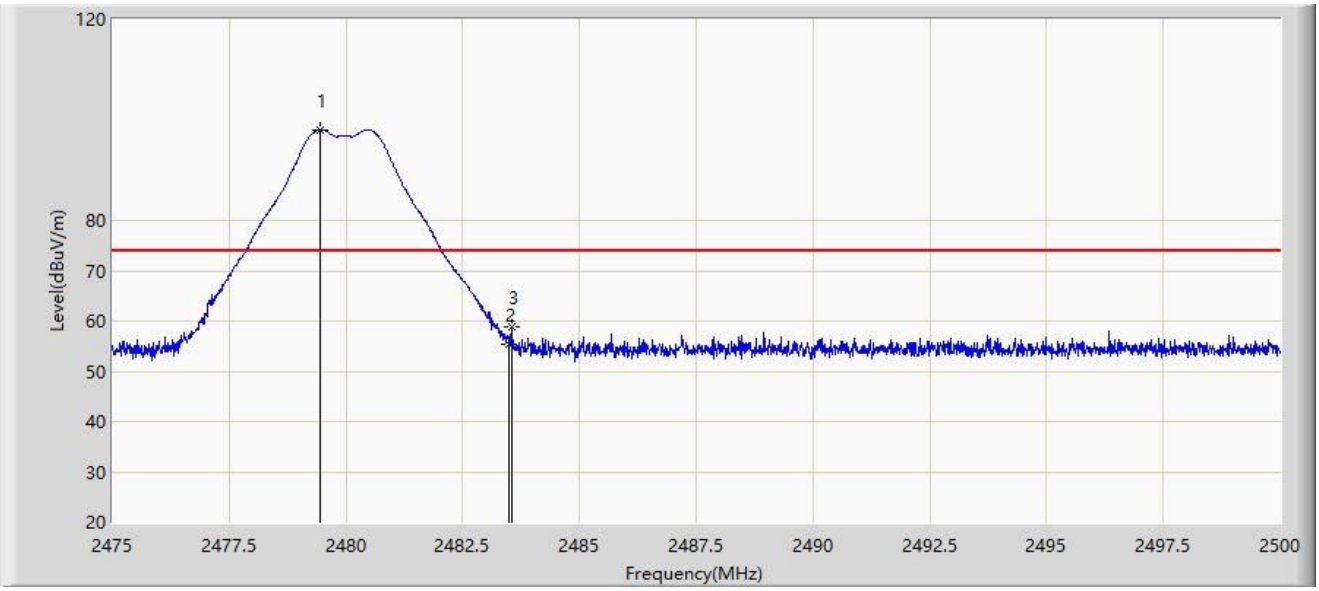
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2479.450	98.090	65.042	N/A	N/A	N/A	33.048	PK
		2479.450	78.090	65.042	N/A	-20.00	N/A	33.048	AV
2		2483.500	55.450	22.391	-18.550	N/A	74.000	33.060	PK
		2483.500	35.450	22.391	-18.550	-20.00	54.000	33.060	AV
3	*	2483.538	58.805	25.746	-15.195	N/A	74.000	33.060	PK
		2483.538	38.805	25.746	-15.195	-20.00	54.000	33.060	AV

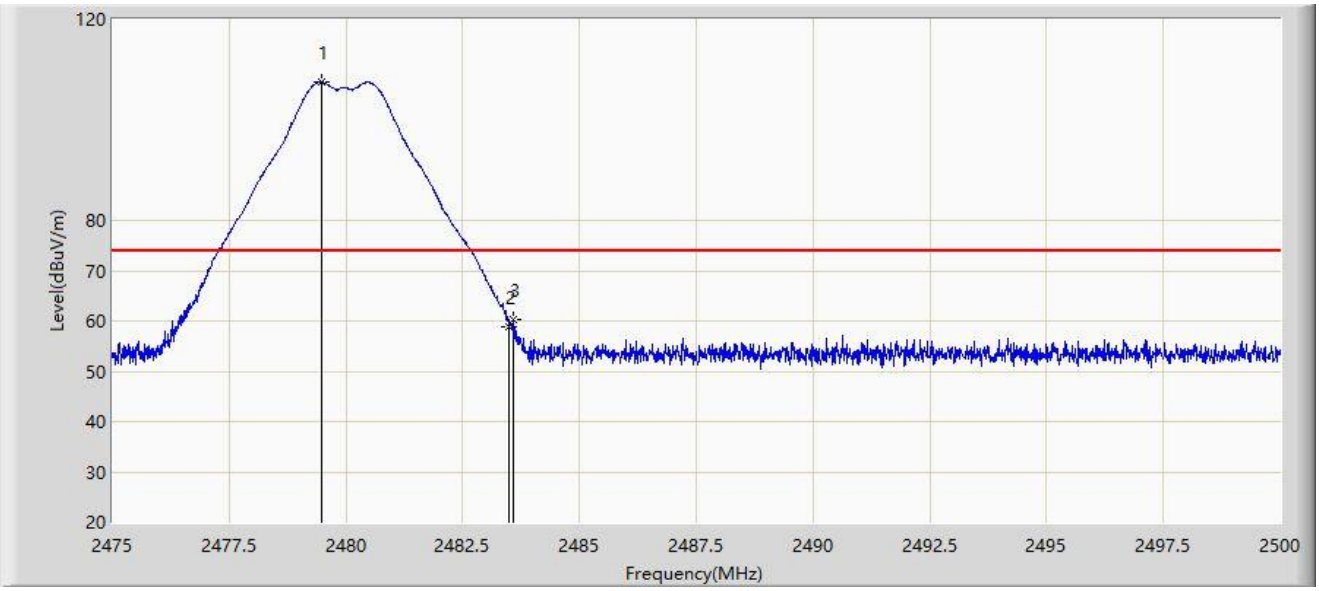
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2479.475	107.474	74.426	N/A	N/A	N/A	33.048	PK
		2479.475	87.474	74.426	N/A	-20.00	N/A	33.048	AV
2		2483.500	58.841	25.782	-15.159	N/A	74.000	33.060	PK
		2483.500	38.841	25.782	-15.159	-20.00	54.000	33.060	AV
3	*	2483.575	60.170	27.111	-13.830	N/A	74.000	33.059	PK
		2483.575	40.170	27.111	-13.830	-20.00	54.000	33.059	AV

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

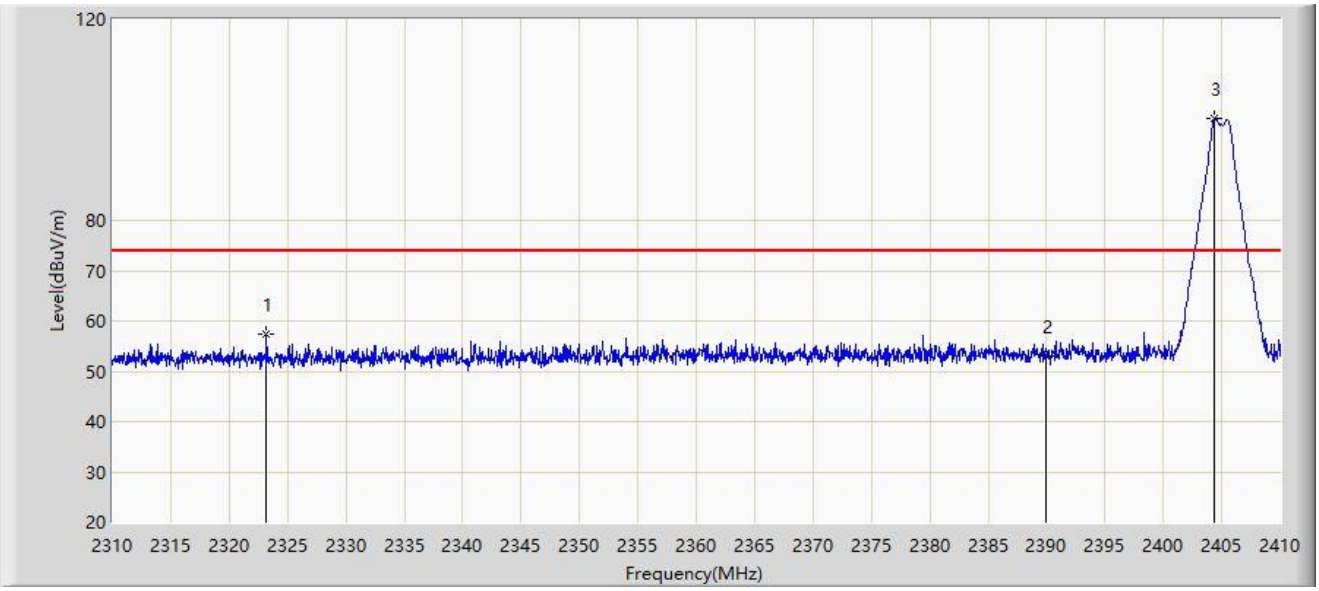
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2323.200	57.299	25.140	-16.701	N/A	74.000	32.159	PK
		2323.200	37.299	25.140	-16.701	-20.00	54.000	32.159	AV
2		2390.000	53.009	20.277	-20.991	N/A	74.000	32.732	PK
		2390.000	33.009	20.277	-20.991	-20.00	54.000	32.732	AV
3	*	2404.400	100.298	67.605	N/A	N/A	N/A	32.693	PK
		2404.400	80.298	67.605	N/A	-20.00	N/A	32.693	AV

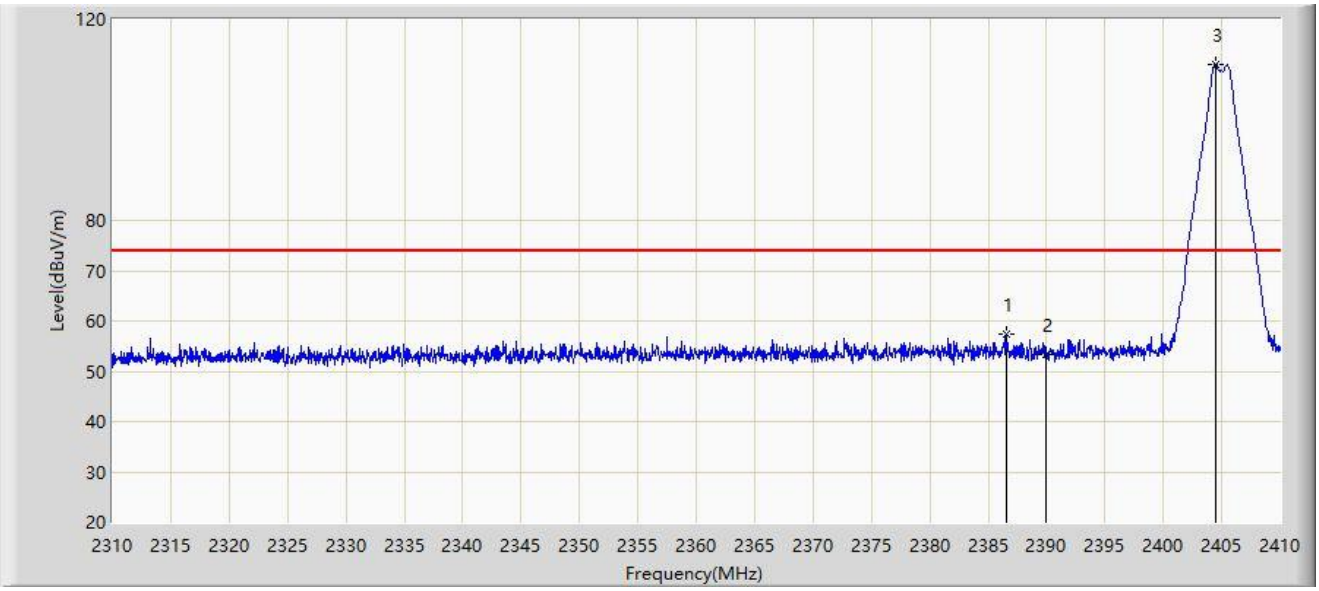
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2386.550	57.328	24.629	-16.672	N/A	74.000	32.700	PK
		2386.550	37.328	24.629	-16.672	-20.00	54.000	32.700	AV
2		2390.000	53.465	20.733	-20.535	N/A	74.000	32.732	PK
		2390.000	33.465	20.733	-20.535	-20.00	54.000	32.732	AV
3		2404.500	111.029	78.337	N/A	N/A	N/A	32.692	PK
		2404.500	91.029	78.337	N/A	-20.00	N/A	32.692	AV

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

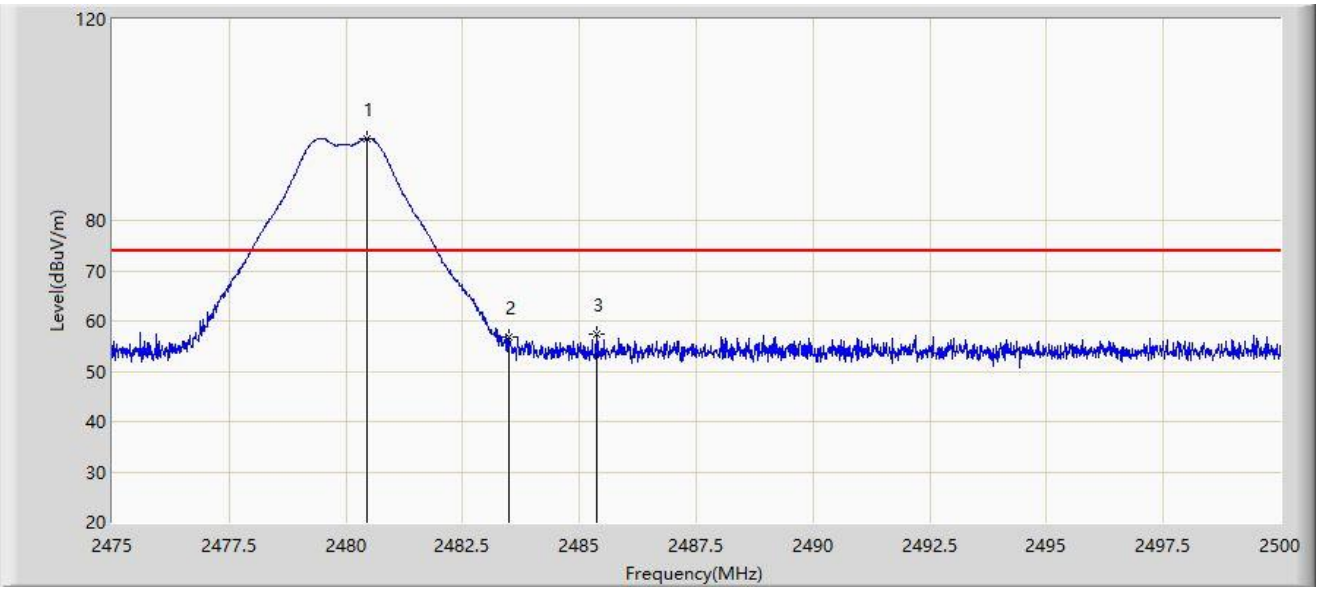
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2480.450	96.362	63.311	N/A	N/A	N/A	33.051	PK
		2480.450	96.362	63.311	N/A	-20.00	N/A	33.051	AV
2		2483.500	56.844	23.785	-17.156	N/A	74.000	33.060	PK
		2483.500	56.844	23.785	-17.156	-20.00	54.000	33.060	AV
3	*	2485.375	57.336	24.272	-16.664	N/A	74.000	33.065	PK
		2485.375	57.336	24.272	-16.664	-20.00	54.000	33.065	AV

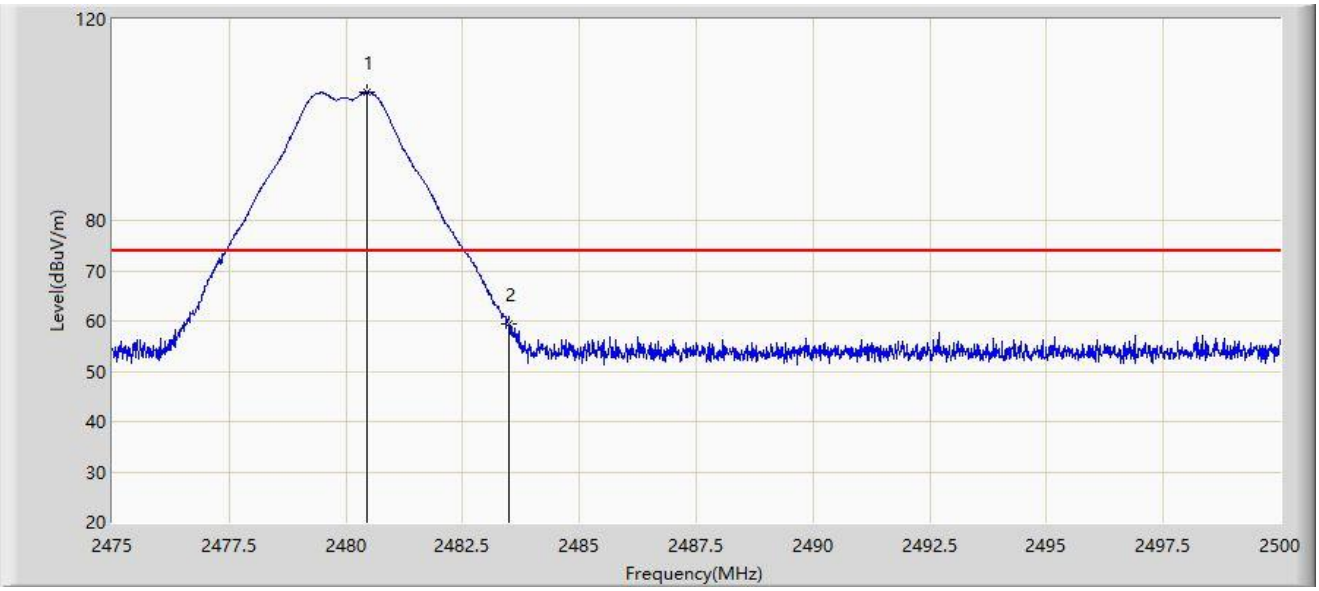
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2480.462	105.462	72.411	N/A	N/A	N/A	33.051	PK
		2480.462	85.462	72.411	N/A	-20.00	N/A	33.051	AV
2	*	2483.500	59.293	26.234	-14.707	N/A	74.000	33.060	PK
		2483.500	39.293	26.234	-14.707	-20.00	54.000	33.060	AV

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

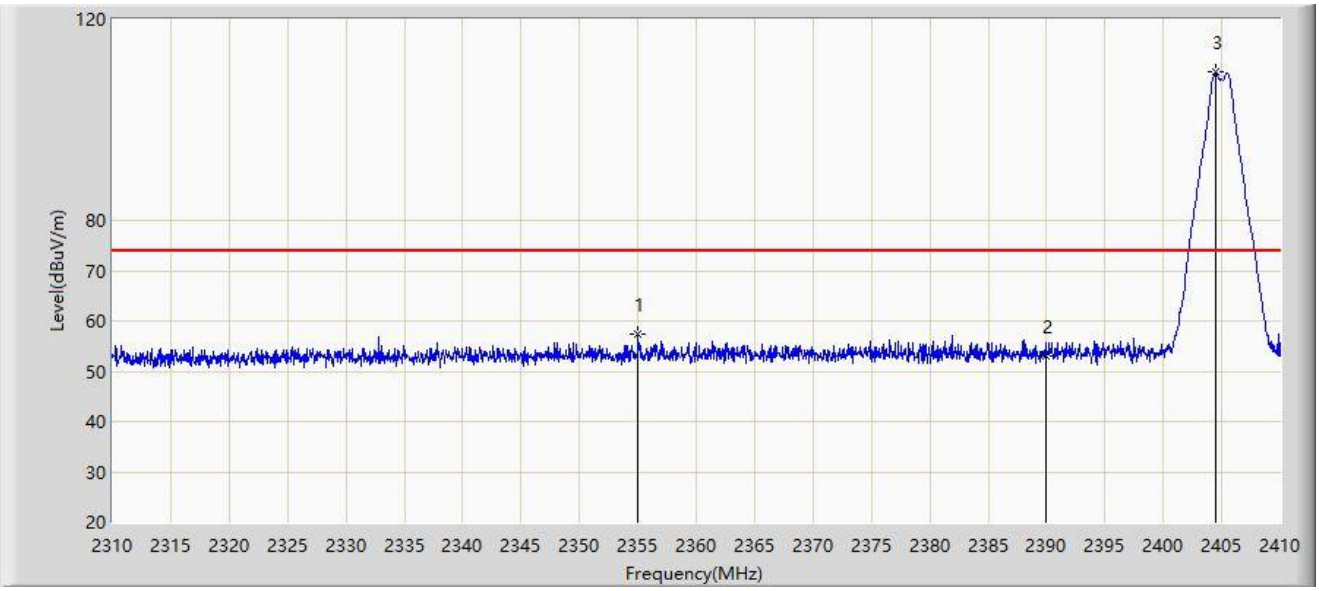
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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: SIP-AC1	Test Date: 2024-04-26
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2355.050	57.385	24.936	-16.615	N/A	74.000	32.449	PK
		2355.050	57.385	24.936	-16.615	-20.00	54.000	32.449	AV
2		2390.000	52.939	20.207	-21.061	N/A	74.000	32.732	PK
		2390.000	52.939	20.207	-21.061	-20.00	54.000	32.732	AV
3		2404.500	109.448	76.756	N/A	N/A	N/A	32.692	PK
		2404.500	109.448	76.756	N/A	-20.00	N/A	32.692	AV

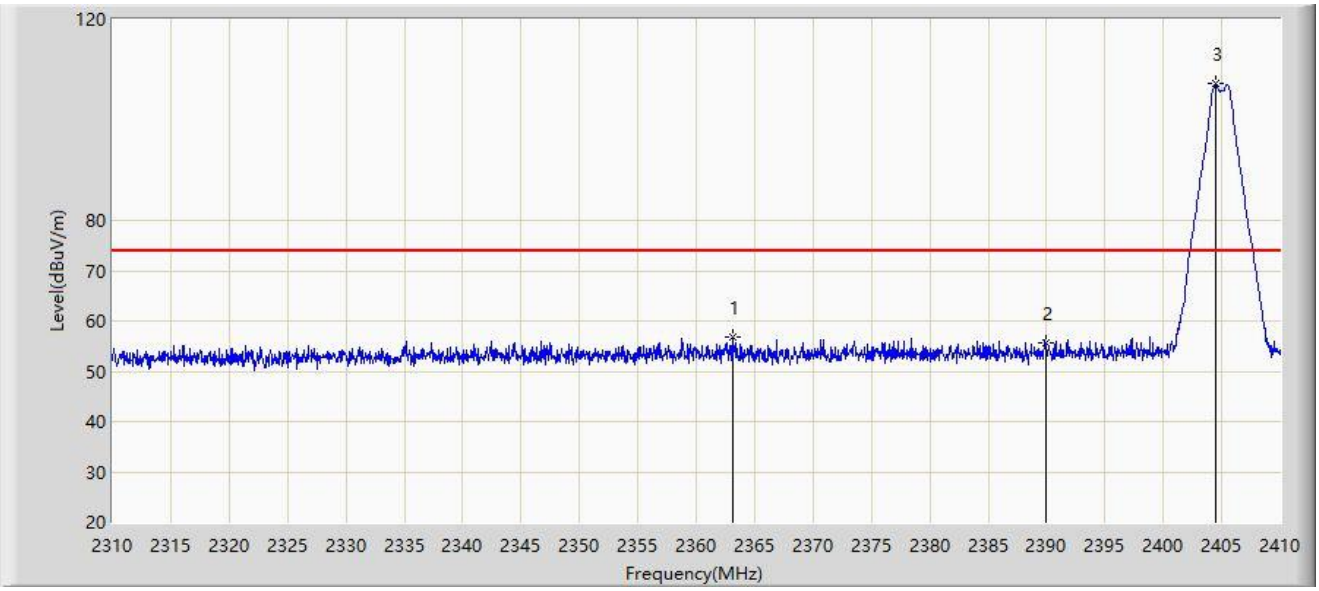
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-26
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2363.100	56.683	24.159	-17.317	N/A	74.000	32.524	PK
		2363.100	36.683	24.159	-17.317	-20.00	54.000	32.524	AV
2		2390.000	55.776	23.044	-18.224	N/A	74.000	32.732	PK
		2390.000	35.776	23.044	-18.224	-20.00	54.000	32.732	AV
3		2404.450	107.135	74.442	N/A	N/A	N/A	32.692	PK
		2404.450	87.135	74.442	N/A	-20.00	N/A	32.692	AV

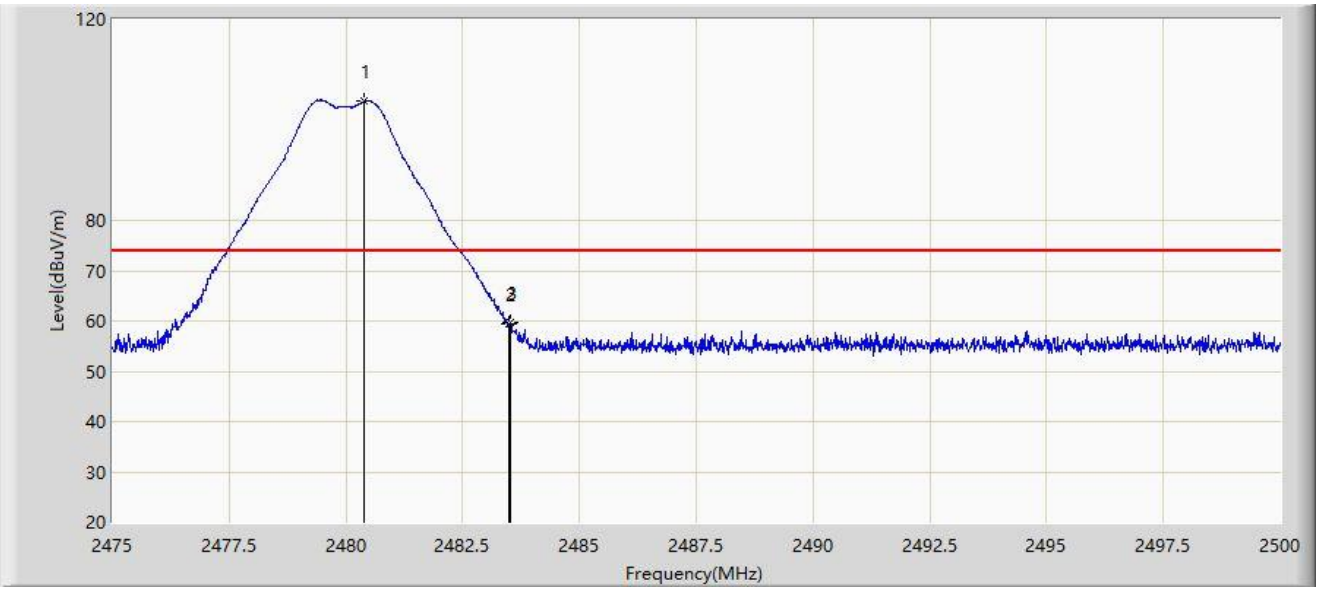
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-05-11
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2480.387	103.697	70.646	N/A	N/A	N/A	33.051	PK
		2480.387	83.697	70.646	N/A	-20.00	N/A	33.051	AV
2		2483.500	59.561	26.502	-14.439	N/A	74.000	33.060	PK
		2483.500	39.561	26.502	-14.439	-20.00	54.000	33.060	AV
3	*	2483.512	59.621	26.562	-14.379	N/A	74.000	33.060	PK
		2483.512	39.621	26.562	-14.379	-20.00	54.000	33.060	AV

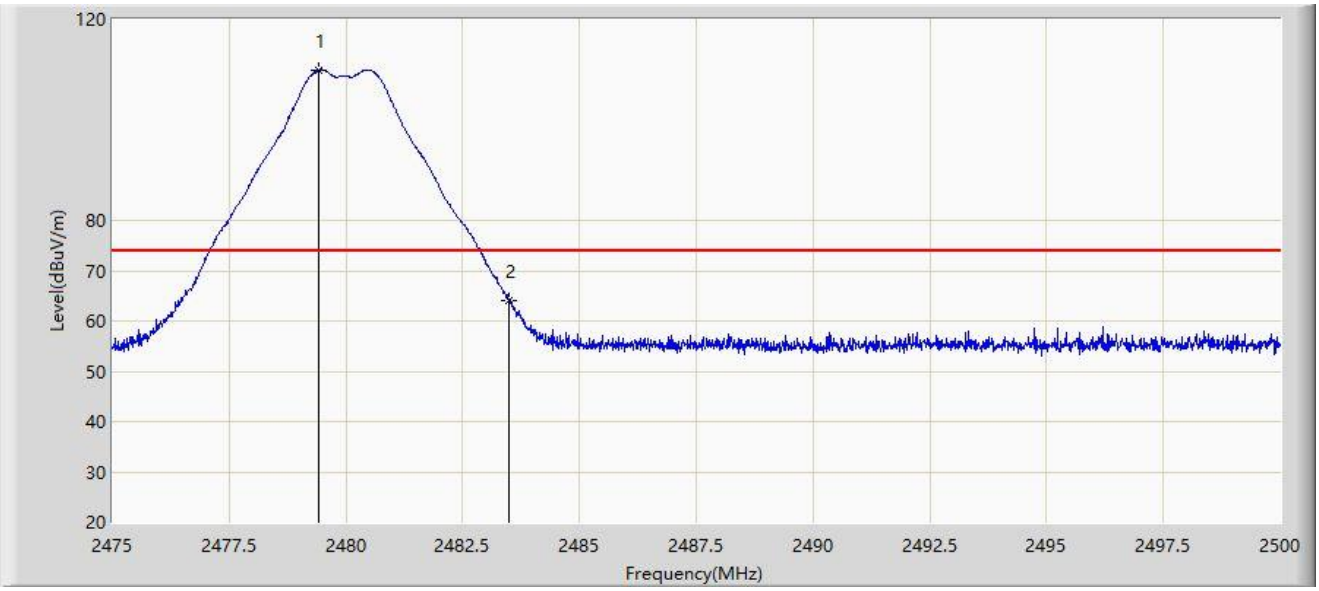
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-05-11
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2479.413	109.950	76.902	N/A	N/A	N/A	33.048	PK
		2479.413	89.950	76.902	N/A	-20.00	N/A	33.048	AV
2	*	2483.500	64.167	31.108	-9.833	N/A	74.000	33.060	PK
		2483.500	44.167	31.108	-9.833	-20.00	54.000	33.060	AV

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

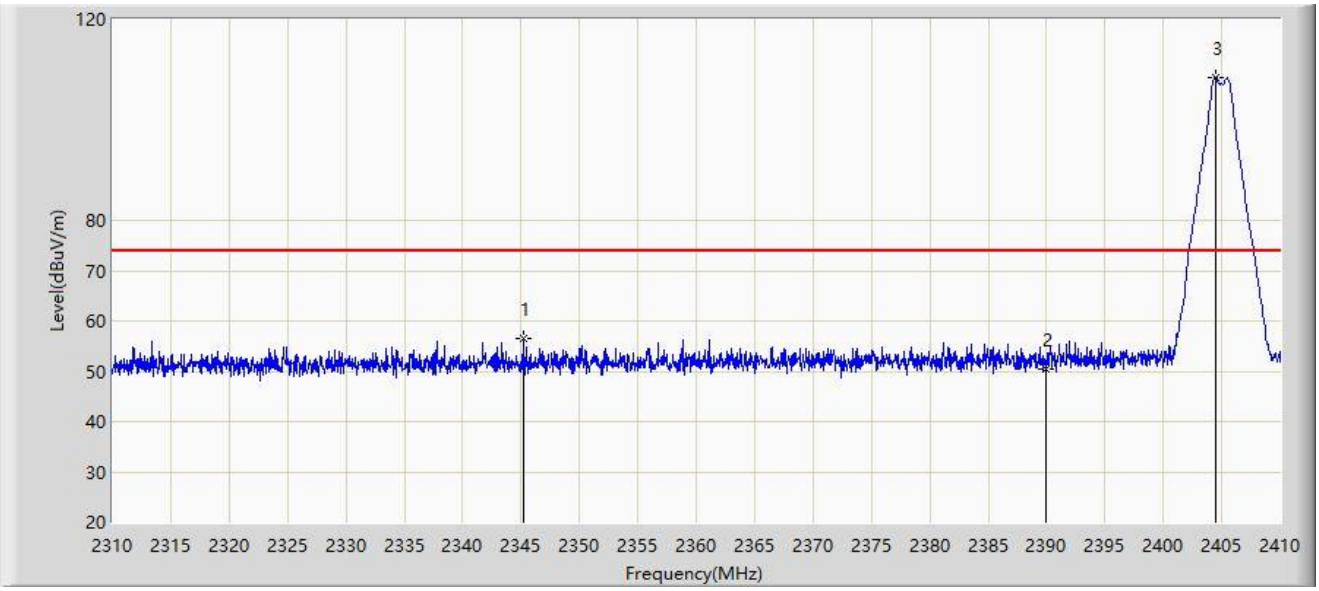
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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: SIP-AC1	Test Date: 2024-04-26
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2345.200	56.477	24.139	-17.523	N/A	74.000	32.338	PK
		2345.200	36.477	24.139	-17.523	-20.00	54.000	32.338	AV
2		2390.000	50.541	17.809	-23.459	N/A	74.000	32.732	PK
		2390.000	30.541	17.809	-23.459	-20.00	54.000	32.732	AV
3		2404.500	108.422	75.730	N/A	N/A	N/A	32.692	PK
		2404.500	88.422	75.730	N/A	-20.00	N/A	32.692	AV

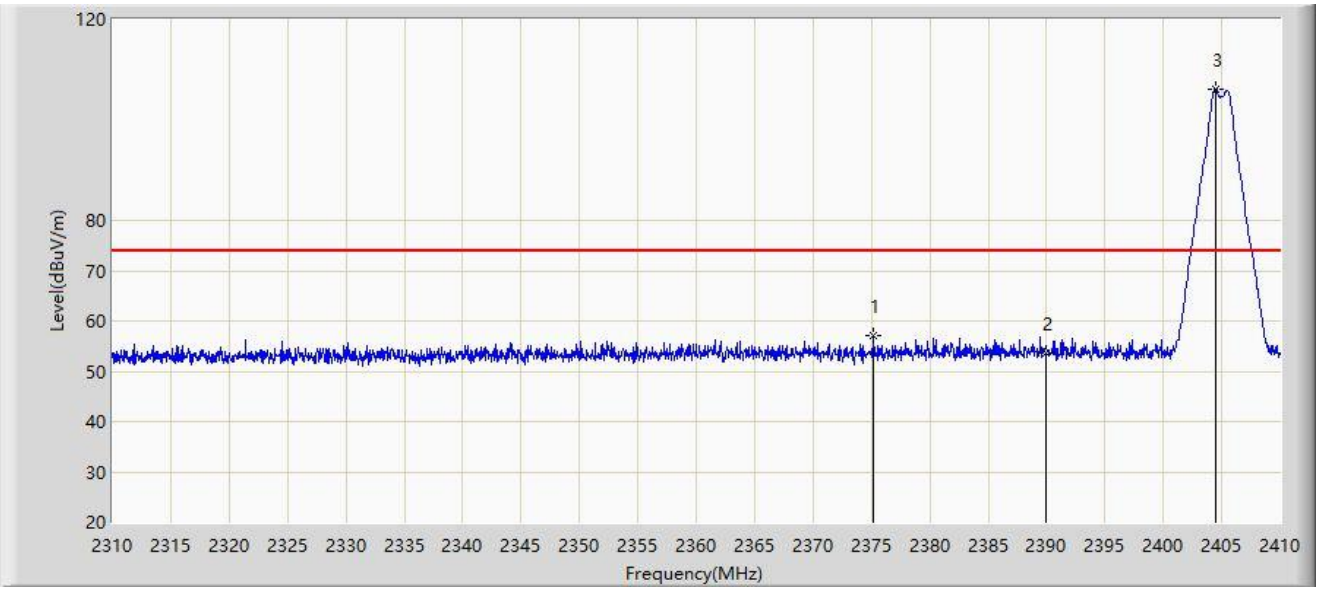
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-26
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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	*	2375.200	57.067	24.470	-16.933	N/A	74.000	32.597	PK
		2375.200	37.067	24.470	-16.933	-20.00	54.000	32.597	AV
2		2390.000	53.618	20.886	-20.382	N/A	74.000	32.732	PK
		2390.000	33.618	20.886	-20.382	-20.00	54.000	32.732	AV
3		2404.500	106.052	73.360	N/A	N/A	N/A	32.692	PK
		2404.500	86.052	73.360	N/A	-20.00	N/A	32.692	AV

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

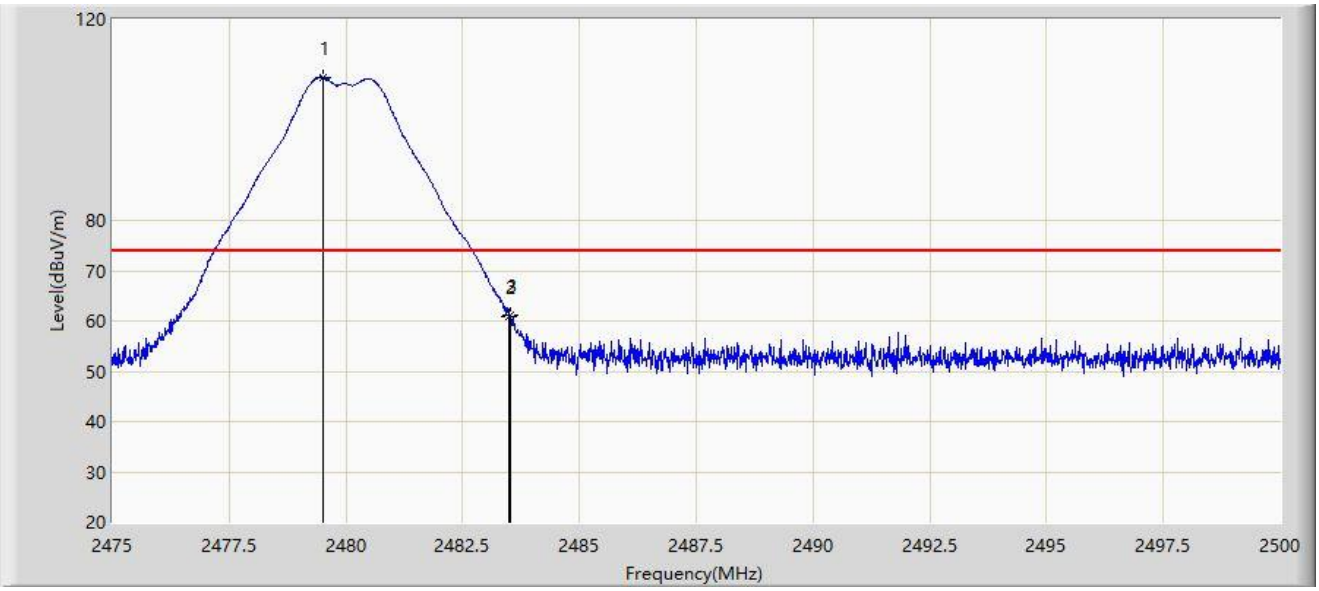
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2479.525	108.445	75.397	N/A	N/A	N/A	33.048	PK
		2479.525	88.445	75.397	N/A	-20.00	N/A	33.048	AV
2		2483.500	60.743	27.684	-13.257	N/A	74.000	33.060	PK
		2483.500	40.743	27.684	-13.257	-20.00	54.000	33.060	AV
3	*	2483.525	61.081	28.022	-12.919	N/A	74.000	33.060	PK
		2483.525	41.081	28.022	-12.919	-20.00	54.000	33.060	AV

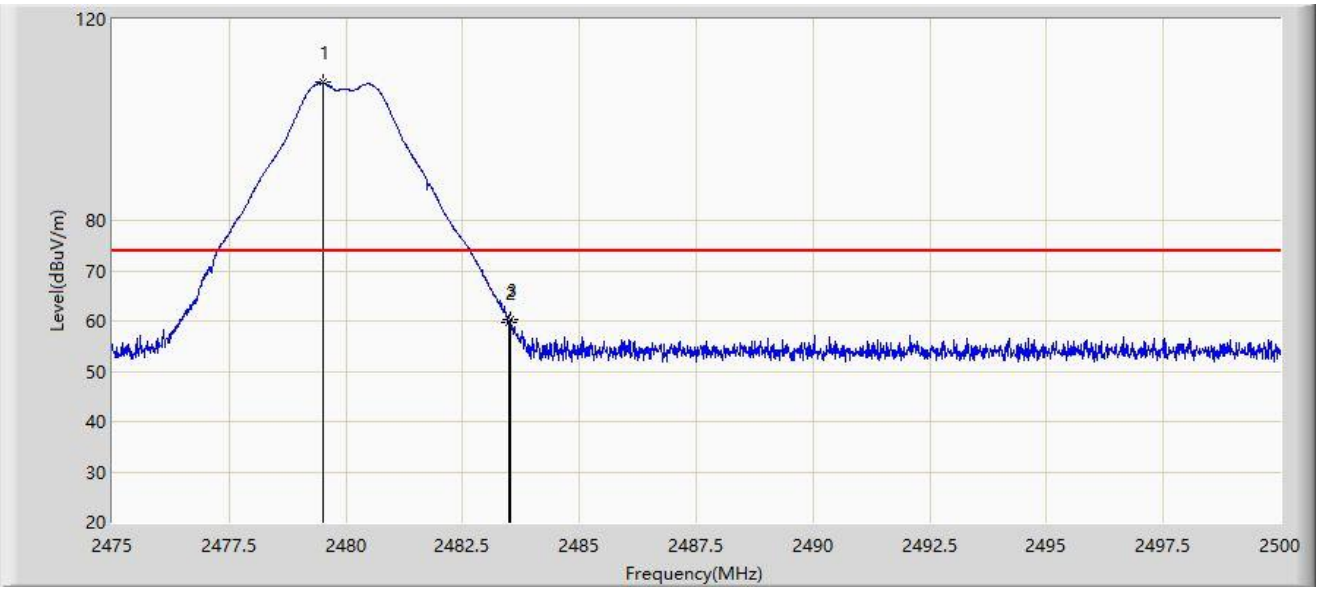
Note 1: " * ", means this data is the worst emission level.

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: SIP-AC1	Test Date: 2024-04-27
Limit: FCC_2.4G_RE(3m)	Engineer: Barry Wu
Probe: HF907_102862_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		2479.500	107.500	74.452	N/A	N/A	N/A	33.048	PK
		2479.500	87.500	74.452	N/A	-20.00	N/A	33.048	AV
2		2483.500	59.613	26.554	-14.387	N/A	74.000	33.060	PK
		2483.500	39.613	26.554	-14.387	-20.00	54.000	33.060	AV
3	*	2483.512	60.146	27.087	-13.854	N/A	74.000	33.060	PK
		2483.512	40.146	27.087	-13.854	-20.00	54.000	33.060	AV

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

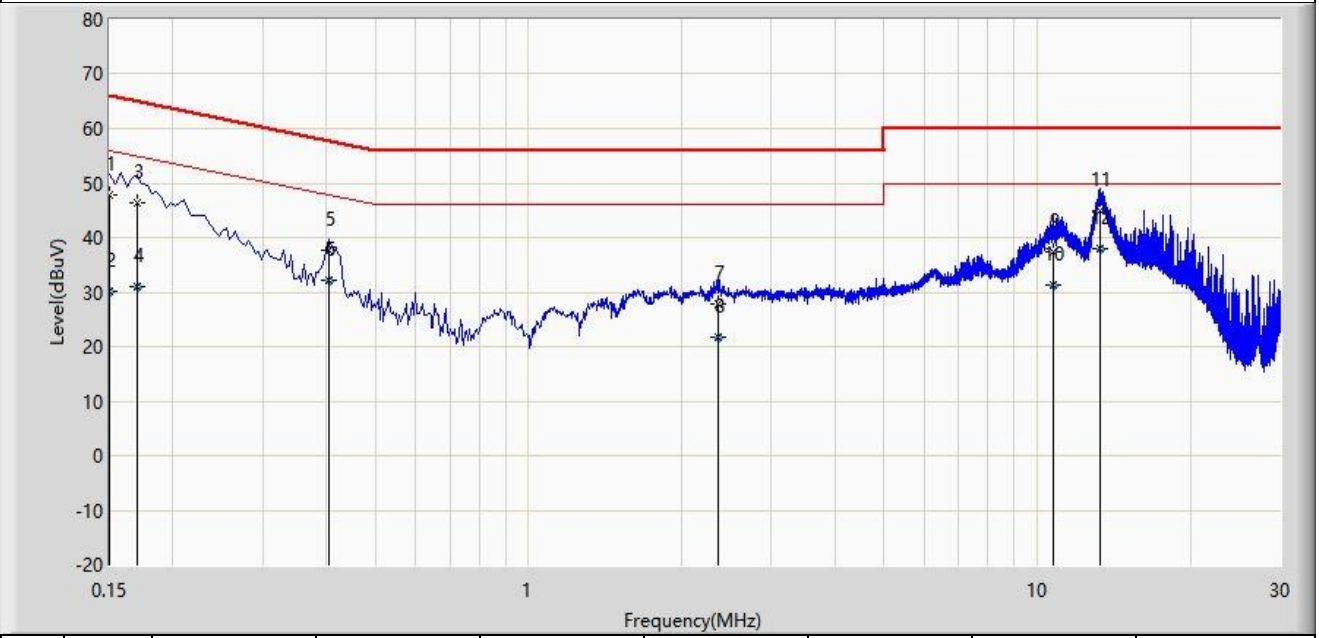
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

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: 2024-04-18
Temperature: 21.7°C	Humidity: 55.7%
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 2405MHz	



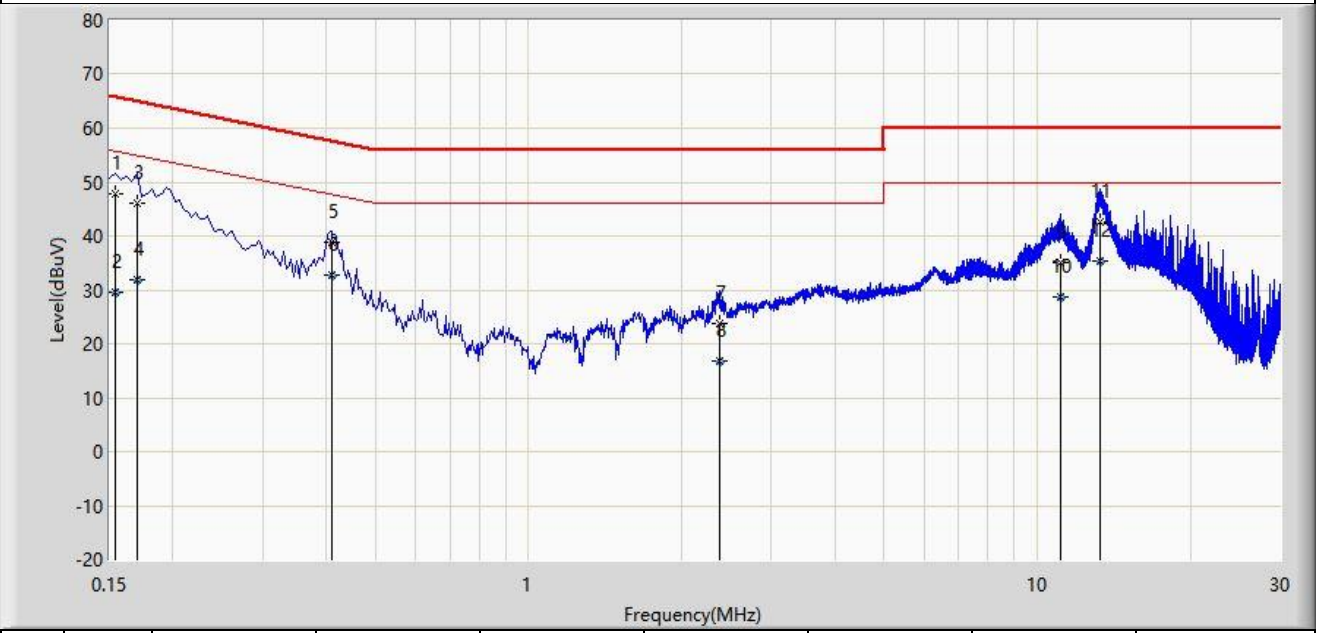
No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1		0.150	47.943	38.228	-18.057	66.000	9.715	QP
2		0.150	30.008	20.293	-25.992	56.000	9.715	AV
3		0.170	46.274	36.555	-18.687	64.960	9.719	QP
4		0.170	30.965	21.247	-23.995	54.960	9.719	AV
5		0.406	37.676	27.878	-20.054	57.730	9.798	QP
6		0.406	32.299	22.501	-15.431	47.730	9.798	AV
7		2.358	27.692	17.585	-28.308	56.000	10.107	QP
8		2.358	21.653	11.546	-24.347	46.000	10.107	AV
9		10.758	37.464	27.166	-22.536	60.000	10.298	QP
10		10.758	31.263	20.964	-18.737	50.000	10.298	AV
11		13.290	45.050	34.756	-14.950	60.000	10.293	QP
12	*	13.290	37.963	27.670	-12.037	50.000	10.293	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: 2024-04-18
Temperature: 21.7°C	Humidity: 55.7%
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 2405MHz	



No	Mark	Frequency (MHz)	Measure Level (dBµV)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV)	Factor (dB)	Type
1		0.154	47.830	38.125	-17.952	65.781	9.705	QP
2		0.154	29.622	19.918	-26.159	55.781	9.705	AV
3		0.170	46.012	36.303	-18.949	64.960	9.709	QP
4		0.170	31.978	22.269	-22.983	54.960	9.709	AV
5		0.410	38.857	29.067	-18.791	57.648	9.790	QP
6		0.410	32.764	22.974	-14.884	47.648	9.790	AV
7		2.378	23.682	13.585	-32.318	56.000	10.097	QP
8		2.378	16.945	6.848	-29.055	46.000	10.097	AV
9		11.118	35.160	24.873	-24.840	60.000	10.288	QP
10		11.118	28.751	18.464	-21.249	50.000	10.288	AV
11		13.290	42.667	32.383	-17.333	60.000	10.283	QP
12	*	13.290	35.316	25.033	-14.684	50.000	10.283	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