

Annex B

ZigBee Test Result

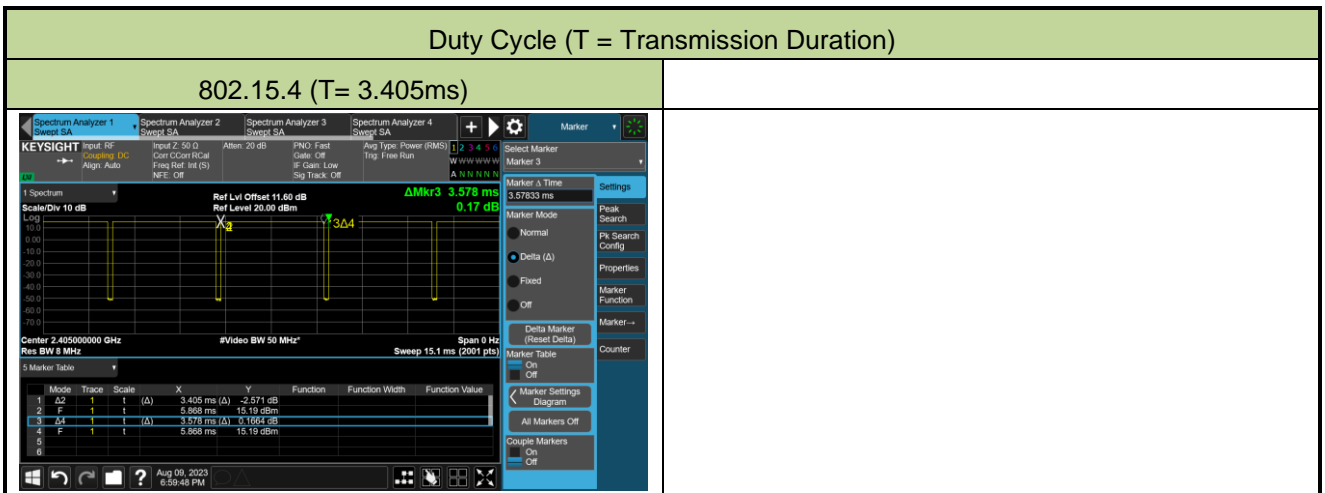
Model No.: APEX0679

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1. Duty Cycle Measurement Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-08-09		

Test Mode	Duty Cycle
802.15.4	95.16%



Note 1: This duty cycle was only suitable for continuous transmission of signals via commands.

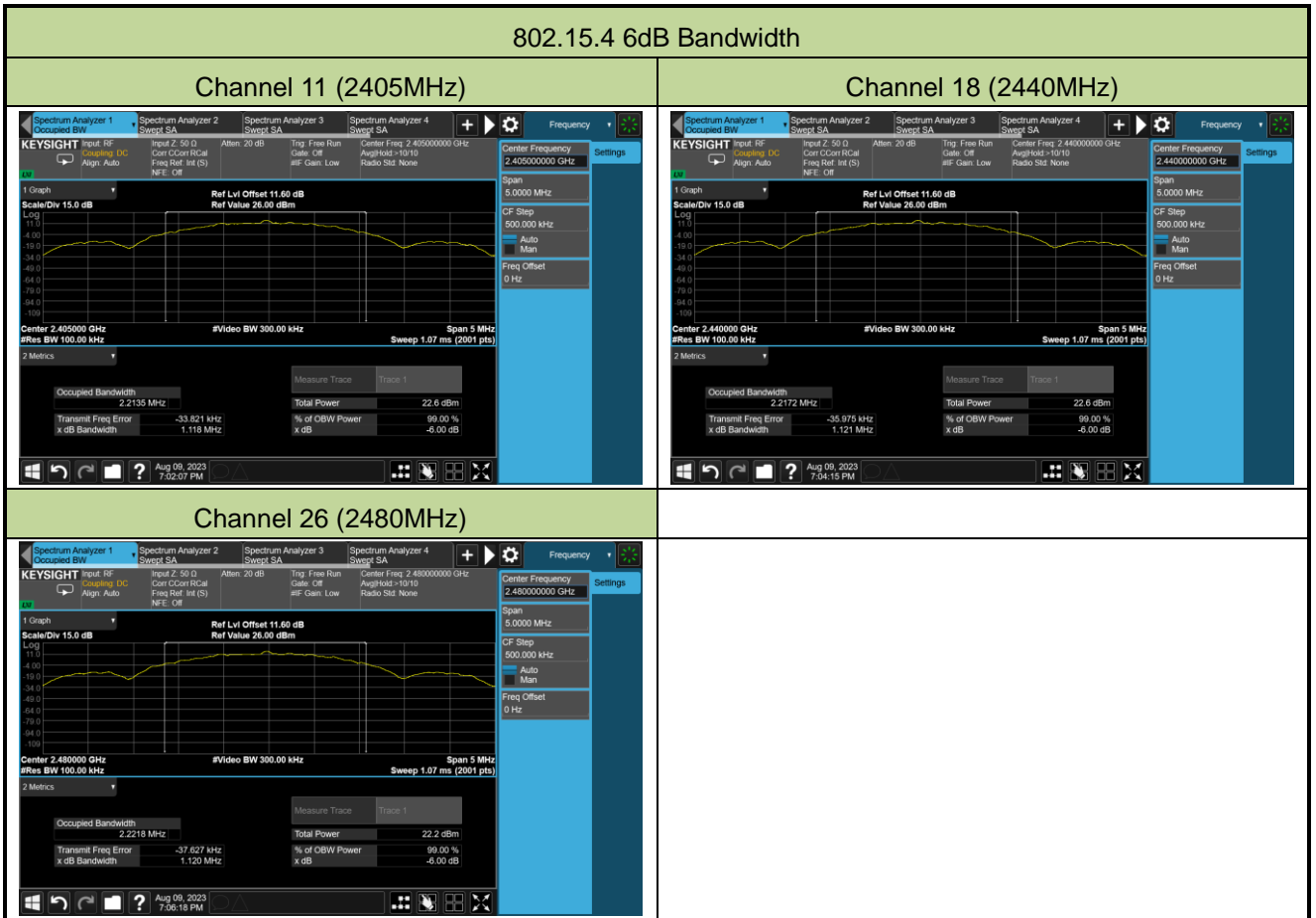
Note 2: The manufacturer, declared that the ZigBee normal operation, when implemented, will be limited to a max duty cycle of 10% or less in any 100ms period. So -20dB correction factor was used during peak and average band edge testing.



2. 6dB Bandwidth Measurement Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-08-09		

Test Mode	Modulation Mode	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.15.4	O-QPSK	11	2405	1.118	≥ 0.5	Pass
802.15.4	O-QPSK	18	2440	1.121	≥ 0.5	Pass
802.15.4	O-QPSK	26	2480	1.120	≥ 0.5	Pass



3. Output Power Measurement Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-12-26	Filter Configuration	Filter 4#

Test Result of Peak Output Power

Test Mode	Modulation Mode	Channel No.	Freq. (MHz)	Peak Power (dBm)	Limit (dBm)	Result
802.15.4	O-QPSK	11	2405	13.78	≤ 30.00	Pass
802.15.4	O-QPSK	18	2440	13.42	≤ 30.00	Pass
802.15.4	O-QPSK	26	2480	12.80	≤ 30.00	Pass

Test Result of Average Output Power (Reporting Only)

Test Mode	Modulation Mode	Channel No.	Freq. (MHz)	Average Power (dBm)	Limit (dBm)	Result
802.15.4	O-QPSK	11	2405	13.70	≤ 30.00	Pass
802.15.4	O-QPSK	18	2440	12.35	≤ 30.00	Pass
802.15.4	O-QPSK	26	2480	12.69	≤ 30.00	Pass



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-12-26	Filter Configuration	Filter 5#

Test Result of Peak Output Power

Test Mode	Modulation Mode	Channel No.	Freq. (MHz)	Peak Power (dBm)	Limit (dBm)	Result
802.15.4	O-QPSK	11	2405	12.87	≤ 30.00	Pass

Test Result of Average Output Power (Reporting Only)

Test Mode	Modulation Mode	Channel No.	Freq. (MHz)	Average Power (dBm)	Limit (dBm)	Result
802.15.4	O-QPSK	11	2405	12.75	≤ 30.00	Pass



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-12-26	Filter Configuration	Filter 6#

Test Result of Peak Output Power

Test Mode	Modulation Mode	Channel No.	Freq. (MHz)	Peak Power (dBm)	Limit (dBm)	Result
802.15.4	O-QPSK	26	2480	11.54	≤ 30.00	Pass

Test Result of Average Output Power (Reporting Only)

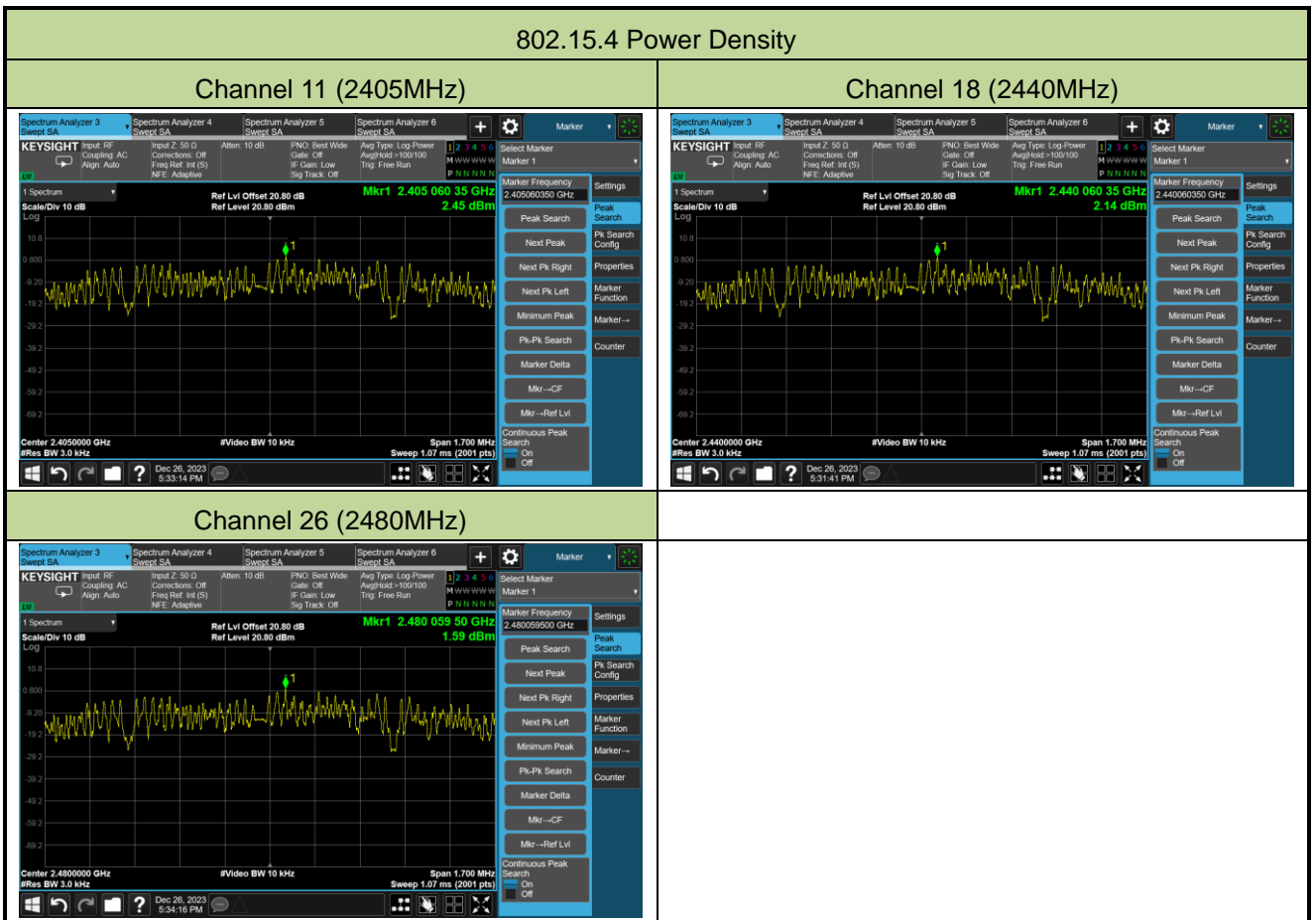
Test Mode	Modulation Mode	Channel No.	Freq. (MHz)	Average Power (dBm)	Limit (dBm)	Result
802.15.4	O-QPSK	26	2480	11.39	≤ 30.00	Pass



4. Power Spectral Density Measurement Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-12-26		

Test Mode	Modulation Mode	Channel No.	Frequency (MHz)	PK PSD (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
802.15.4	O-QPSK	11	2405	2.45	≤ 8.00	Pass
802.15.4	O-QPSK	18	2440	2.14	≤ 8.00	Pass
802.15.4	O-QPSK	26	2480	1.59	≤ 8.00	Pass



5. Conducted Band Edge and Out-of-Band Emissions Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-12-26~2023-12-27	Filter Configuration	Filter 4#

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.15.4	O-QPSK	11	2405	20	Pass
802.15.4	O-QPSK	18	2440	20	Pass
802.15.4	O-QPSK	26	2480	20	Pass

802.15.4 Out-of-Band Emissions

Channel 11 (2405MHz)

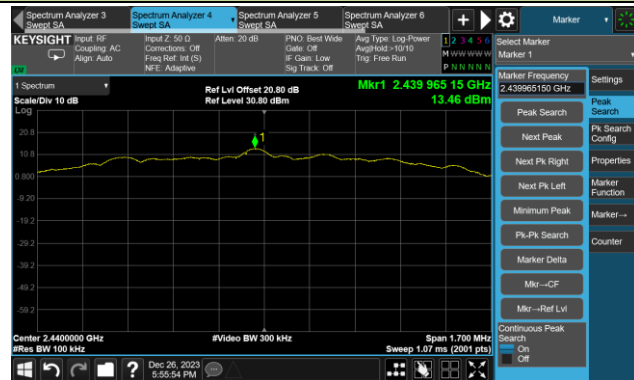
100kHz PSD Reference Level

Low Band Edge

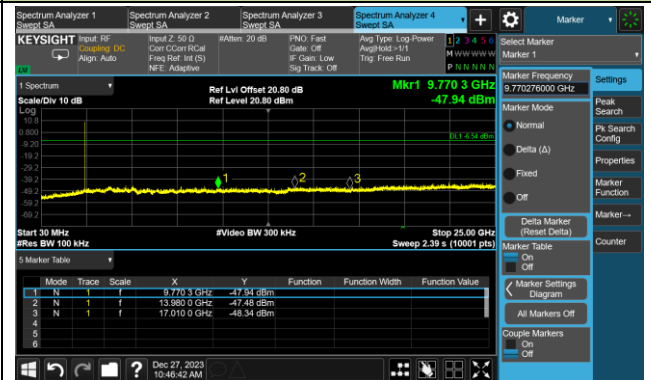
Spurious Emission

Channel 18 (2440MHz)

100kHz PSD Reference Level

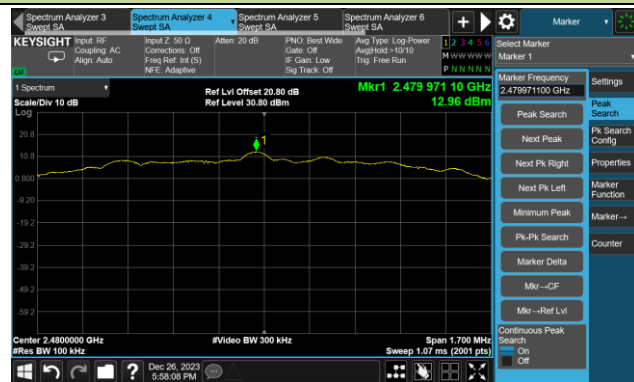


Spurious Emission



Channel 26 (2480MHz)

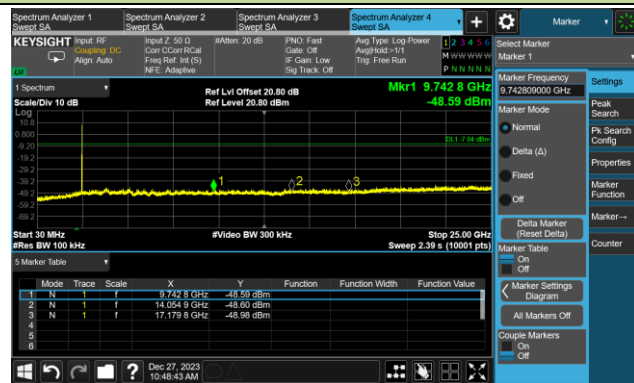
100kHz PSD Reference Level



High Band Edge



Spurious Emission





Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-12-27	Filter Configuration	Filter 5#

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
<p>Marker Frequency: 2.40497025 GHz Mkr1 2.404 970 25 GHz 12.44 dBm</p>	<p>Marker Frequency: 2.3998575 GHz Mkr2 2.399 857 5 GHz -38.99 dBm</p>
Spurious Emission	
<p>Marker Frequency: 9.7253 GHz Mkr1 9.725 3 GHz -45.81 dBm</p>	



Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-12-27	Filter Configuration	Filter 6#

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
<p>Marker Frequency: 2.47996940 GHz Mkr1 2.479 969 40 GHz 11.15 dBm Ref Lvl Offset 20.80 dB Ref Level 30.80 dBm</p>	<p>Marker Frequency: 2.483845000 GHz Mkr2 2.483 845 0 GHz -33.31 dBm Ref Lvl Offset 20.80 dB Ref Level 30.80 dBm</p>
Spurious Emission	
<p>Marker Frequency: 9.700300000 GHz Mkr1 9.700 4 GHz -48.75 dBm Ref Lvl Offset 20.80 dB Ref Level 30.80 dBm</p>	

6. Radiated Spurious Emission Measurement Test Result

Filter 4#

Test Site	WZ-AC2	Test Engineer	Karl Gao
Test Date	2023-12-26		
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 (dB μ V)	Factor (dB/m)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
11	7519.5	31.6	11.8	43.4	74.0	-30.6	Peak	Horizontal
	8242.0	30.4	11.0	41.4	74.0	-32.6	Peak	Horizontal
	11608.0	32.1	17.2	49.3	74.0	-24.7	Peak	Horizontal
	7477.0	31.4	12.1	43.5	74.0	-30.5	Peak	Vertical
	8165.5	30.2	11.5	41.7	74.0	-32.3	Peak	Vertical
	12492.0	31.4	16.4	47.8	74.0	-26.2	Peak	Vertical
18	7477.0	30.4	12.1	42.5	74.0	-31.5	Peak	Horizontal
	8267.5	32.5	11.2	43.6	74.0	-30.4	Peak	Horizontal
	11480.5	28.4	17.6	46.0	74.0	-28.0	Peak	Horizontal
	7528.0	30.9	11.8	42.7	74.0	-31.3	Peak	Vertical
	8208.0	31.1	11.3	42.3	74.0	-31.7	Peak	Vertical
	10690.0	30.2	16.2	46.4	74.0	-27.6	Peak	Vertical
26	7613.0	31.5	11.8	43.3	74.0	-30.7	Peak	Horizontal
	8480.0	31.4	11.7	43.1	74.0	-30.9	Peak	Horizontal
	11234.0	30.3	17.0	47.3	74.0	-26.7	Peak	Horizontal
	7570.5	31.2	11.7	42.9	74.0	-31.1	Peak	Vertical
	8361.0	32.2	11.1	43.3	74.0	-30.7	Peak	Vertical
	11582.5	29.6	17.5	47.1	74.0	-26.9	Peak	Vertical

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

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



Filter 5#

Test Site	WZ-AC2	Test Engineer	Karl Gao
Test Date	2023-12-26		
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	7570.5	32.0	11.7	43.7	74.0	-30.3	Peak	Horizontal
	8361.0	30.8	11.1	41.9	74.0	-32.1	Peak	Horizontal
	11710.0	30.6	17.8	48.4	74.0	-25.6	Peak	Horizontal
	7638.5	30.5	11.5	42.1	74.0	-31.9	Peak	Vertical
	8140.0	31.7	11.7	43.5	74.0	-30.5	Peak	Vertical
	11548.5	30.8	17.7	48.5	74.0	-25.5	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)



Filter 6#

Test Site	WZ-AC2	Test Engineer	Karl Gao
Test Date	2023-12-26		
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.		

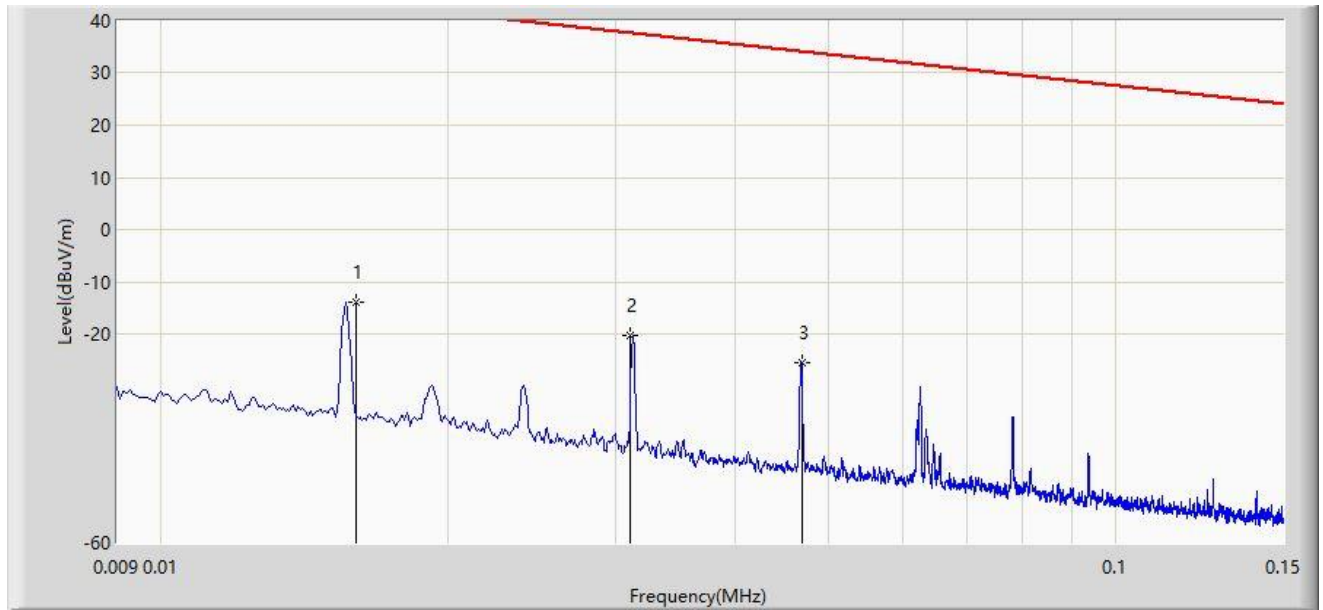
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
26	7638.5	30.5	11.5	42.1	74.0	-31.9	Peak	Horizontal
	8191.0	30.9	11.5	42.4	74.0	-31.6	Peak	Horizontal
	11540.0	31.0	17.6	48.5	74.0	-25.5	Peak	Horizontal
	7621.5	29.8	11.7	41.5	74.0	-32.5	Peak	Vertical
	11251.0	29.2	17.2	46.4	74.0	-27.6	Peak	Vertical
	11795.0	28.8	17.7	46.4	74.0	-27.6	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)

The Result of Radiated Emission below 1GHz:

Site: WZ-AC1	Test Date: 2023-10-12
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Carl Jiang
Probe: FMZB1519_0.009-30MHz	Polarity: Coaxial
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by Zigbee at 2440MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	0.016	-14.004	65.960	-57.510	43.505	-79.964	PK
2		0.031	-20.249	59.712	-58.012	37.764	-79.961	PK
3		0.047	-25.643	54.314	-59.794	34.151	-79.957	PK

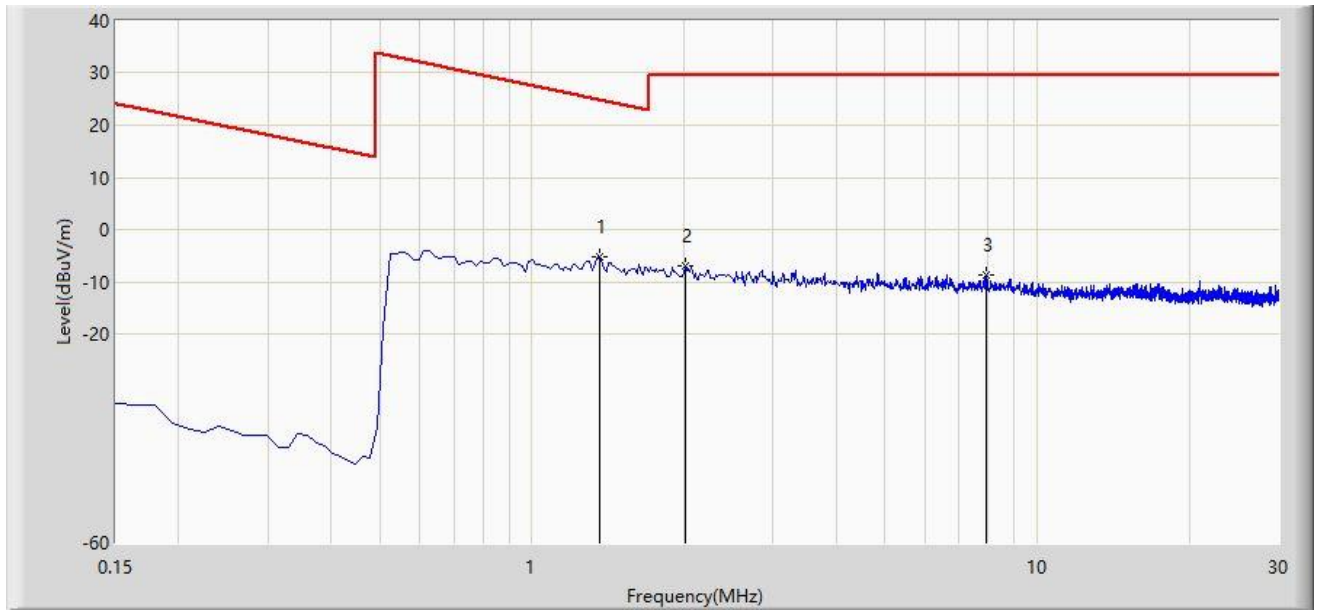
Note 1: " * ", means this data is the worst emission level.

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: WZ-AC1	Test Date: 2023-10-12
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Carl Jiang
Probe: FMZB1519_0.009-30MHz	Polarity: Coaxial
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by Zigbee at 2440MHz	



No	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB/m)	Type
1	*	1.359	-5.117	34.681	-30.082	24.965	-39.798	PK
2		2.016	-6.936	32.856	-36.436	29.500	-39.792	PK
3		7.926	-8.802	30.885	-38.302	29.500	-39.687	PK

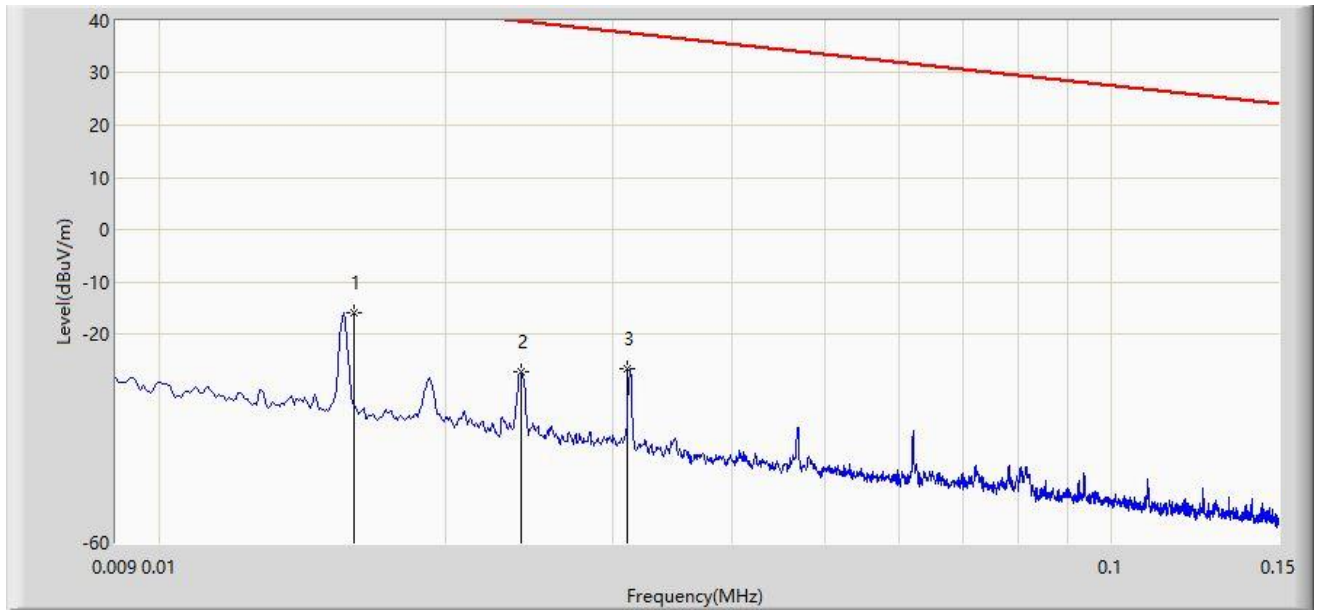
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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: WZ-AC1	Test Date: 2023-10-12
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Carl Jiang
Probe: FMZB1519_0.009-30MHz	Polarity: Coplanar
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by Zigbee at 2440MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	0.016	-15.939	64.025	-59.445	43.505	-79.964	PK
2		0.024	-27.351	52.611	-67.337	39.985	-79.962	PK
3		0.031	-26.658	53.303	-64.421	37.764	-79.961	PK

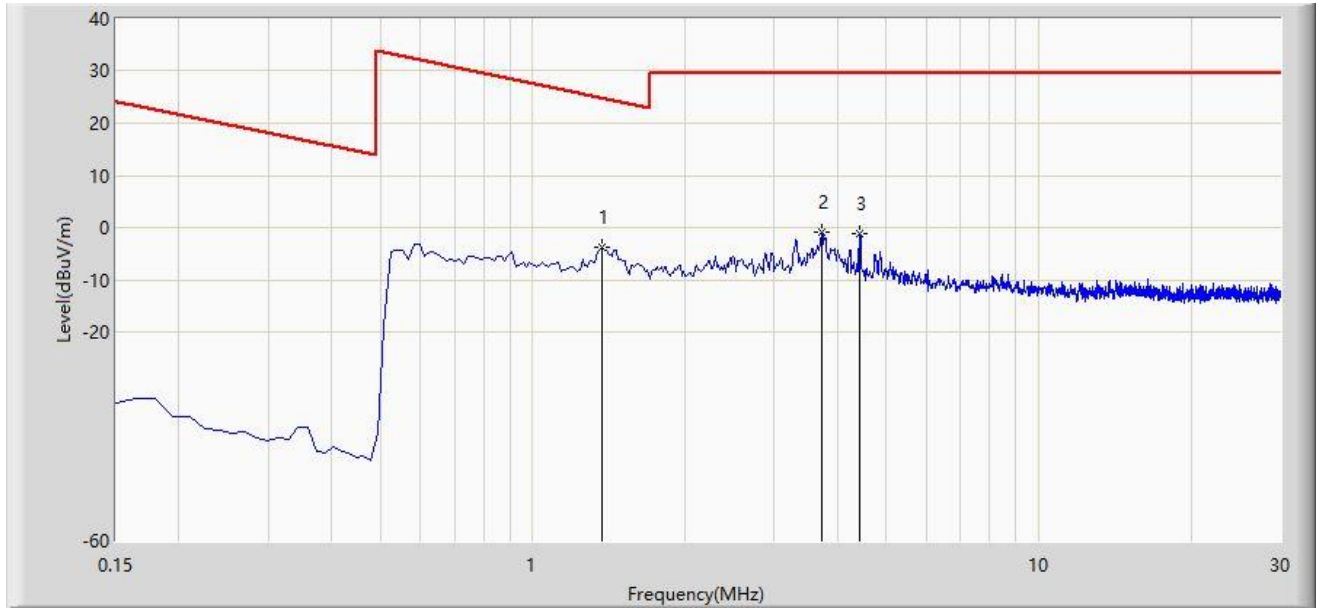
Note 1: " * ", means this data is the worst emission level.

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: WZ-AC1	Test Date: 2023-10-12
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Carl Jiang
Probe: FMZB1519_0.009-30MHz	Polarity: Coplanar
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by Zigbee at 2440MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	1.374	-3.848	35.950	-28.717	24.869	-39.798	PK
2		3.717	-0.863	38.898	-30.363	29.500	-39.761	PK
3		4.433	-1.147	38.592	-30.647	29.500	-39.739	PK

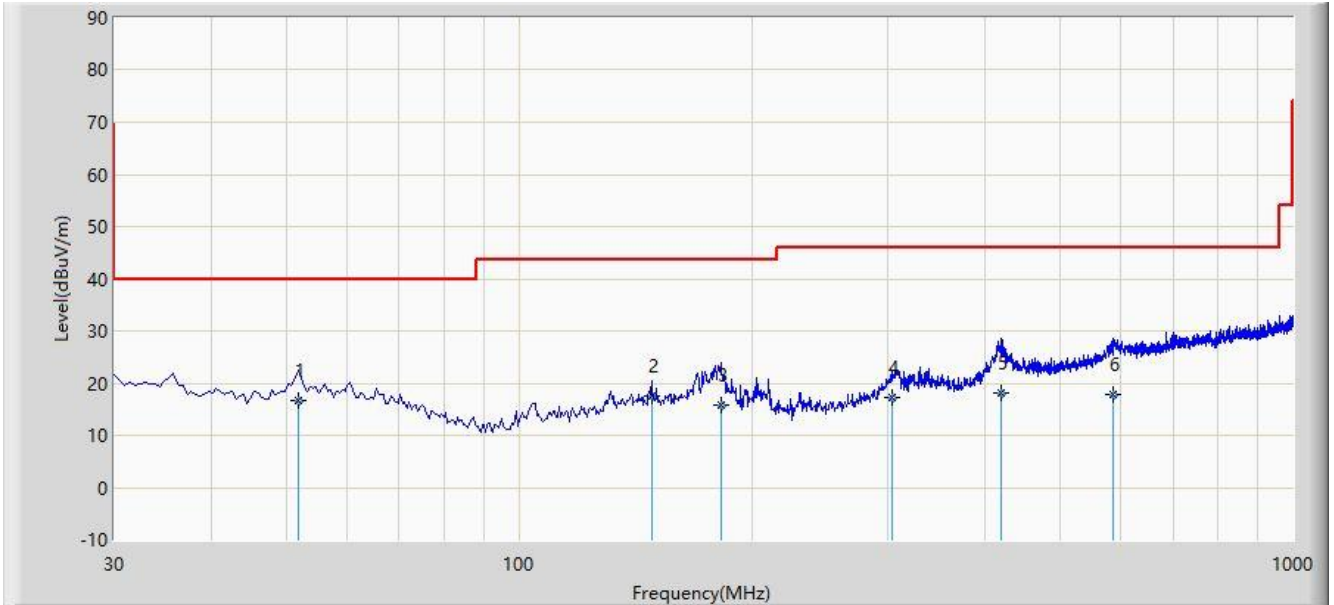
Note 1: " * ", means this data is the worst emission level.

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: WZ-AC1	Test Date: 2023-08-22
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Carl Jiang
Probe: VULB 9168_25-2000MHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by Zigbee at 2440MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	51.825	16.674	-1.900	-23.326	40.000	18.574	QP
2		148.340	17.454	-0.600	-26.046	43.500	18.055	QP
3		182.290	15.686	-0.900	-27.814	43.500	16.586	QP
4		304.025	17.117	-1.500	-28.883	46.000	18.618	QP
5		419.455	18.094	-3.300	-27.906	46.000	21.394	QP
6		586.780	17.699	-7.400	-28.301	46.000	25.098	QP

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

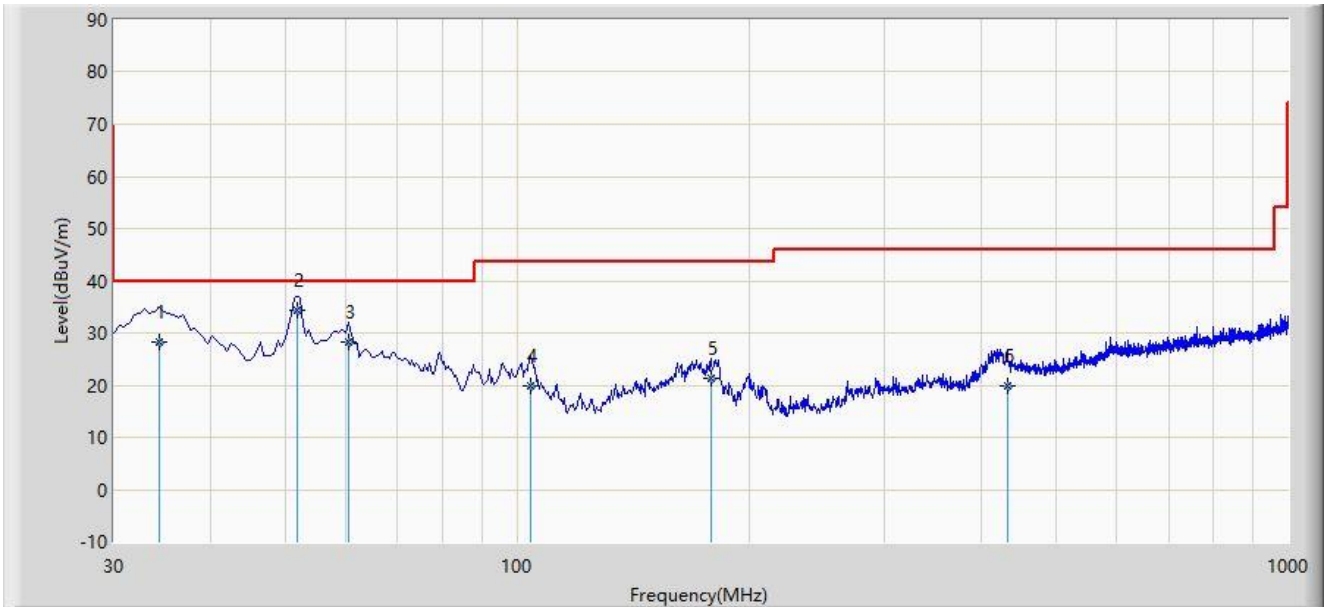
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

Site: WZ-AC1	Test Date: 2023-08-22
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Carl Jiang
Probe: VULB 9168_25-2000MHz	Polarity: Vertical
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by Zigbee at 2440MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		34.365	28.148	10.700	-11.852	40.000	17.448	QP
2	*	51.825	34.474	15.900	-5.526	40.000	18.574	QP
3		60.555	28.297	10.400	-11.703	40.000	17.897	QP
4		104.200	19.874	5.700	-23.626	43.500	14.174	QP
5		178.410	21.273	4.200	-22.227	43.500	17.073	QP
6		432.065	19.864	-2.100	-26.136	46.000	21.964	QP

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

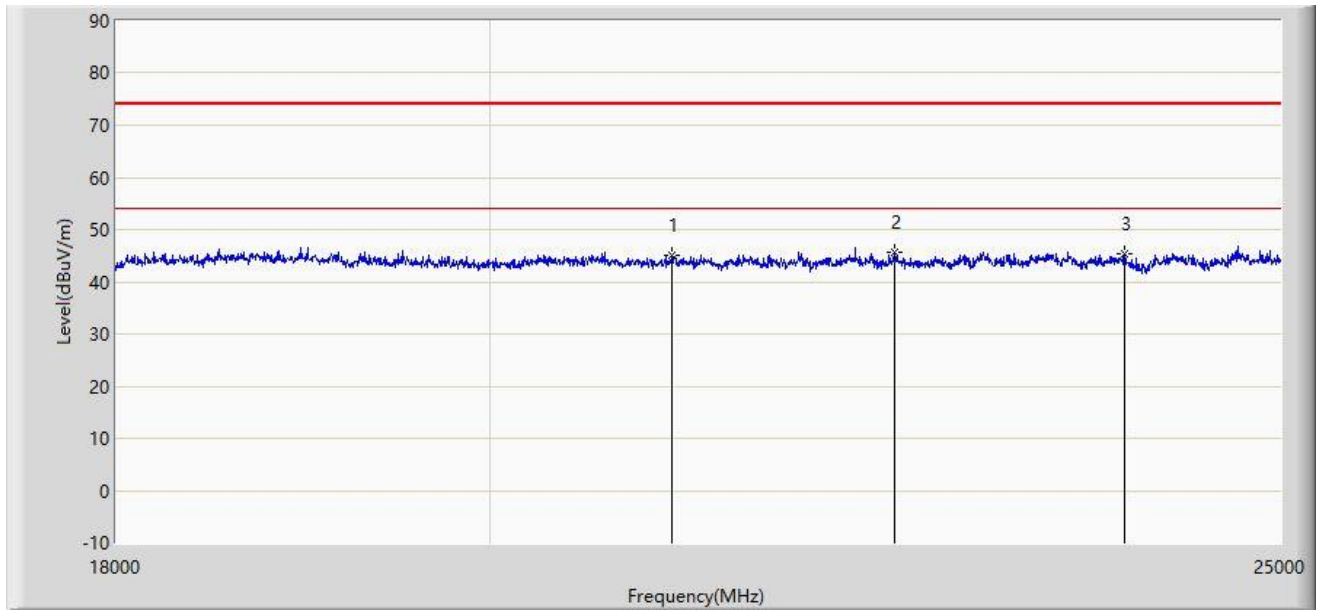
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

Note 4: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

Site: WZ-AC1	Test Date: 2023-09-23
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Ajin Fan
Probe: BBHA9170_993_18-40GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by Zigbee at 2440MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		21055.500	44.971	53.993	-29.029	74.000	-9.022	PK
2	*	22420.500	45.742	53.431	-28.258	74.000	-7.689	PK
3		23922.000	45.239	52.799	-28.761	74.000	-7.560	PK

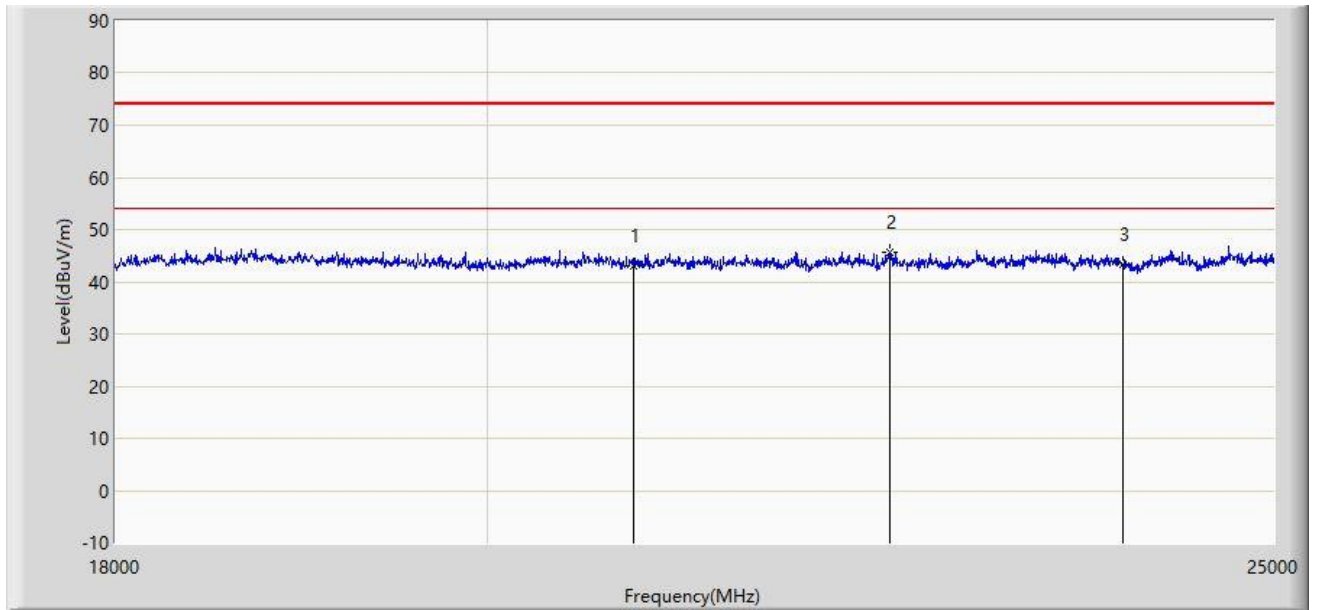
Note 1: " * ", means this data is the worst emission level.

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: WZ-AC1	Test Date: 2023-09-23
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Ajin Fan
Probe: BBHA9170_993_18-40GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by Zigbee at 2440MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		20852.500	43.053	52.357	-30.947	74.000	-9.303	PK
2	*	22420.500	45.594	53.283	-28.406	74.000	-7.689	PK
3		23950.000	43.331	50.858	-30.669	74.000	-7.527	PK

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

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

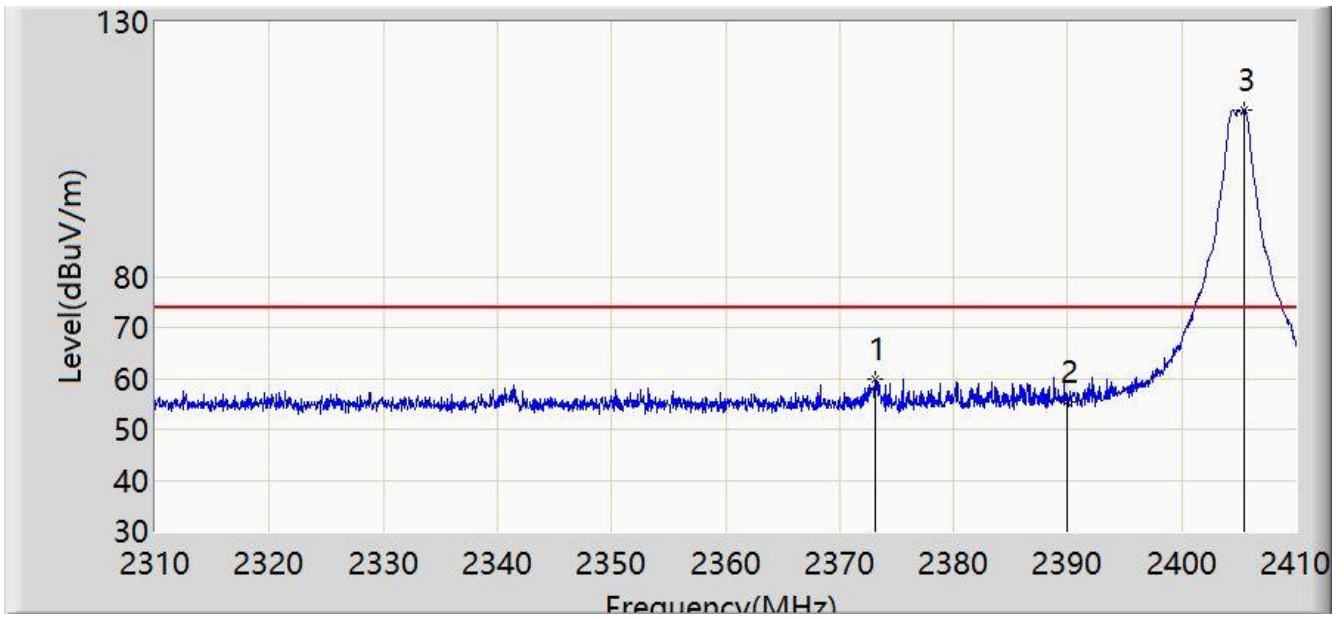
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

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

7. Radiated Restricted Band Edge Measurement Test Result

Filter 4#

Site: WZ-AC2	Time: 2023/12/26 - 14:11
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: By PoE
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	*	2373.100	59.759	27.851	-14.241	N/A	74.000	31.908	PK
		2373.100	39.759	27.851	-14.241	-20.00	54.000	31.908	AV
2		2390.000	55.274	23.421	-18.726	N/A	74.000	31.853	PK
		2390.000	35.274	23.421	-18.726	-20.00	54.000	31.853	AV
3		2405.450	112.635	80.862	N/A	N/A	N/A	31.773	PK
		2405.450	92.635	80.862	N/A	-20.00	N/A	31.773	AV

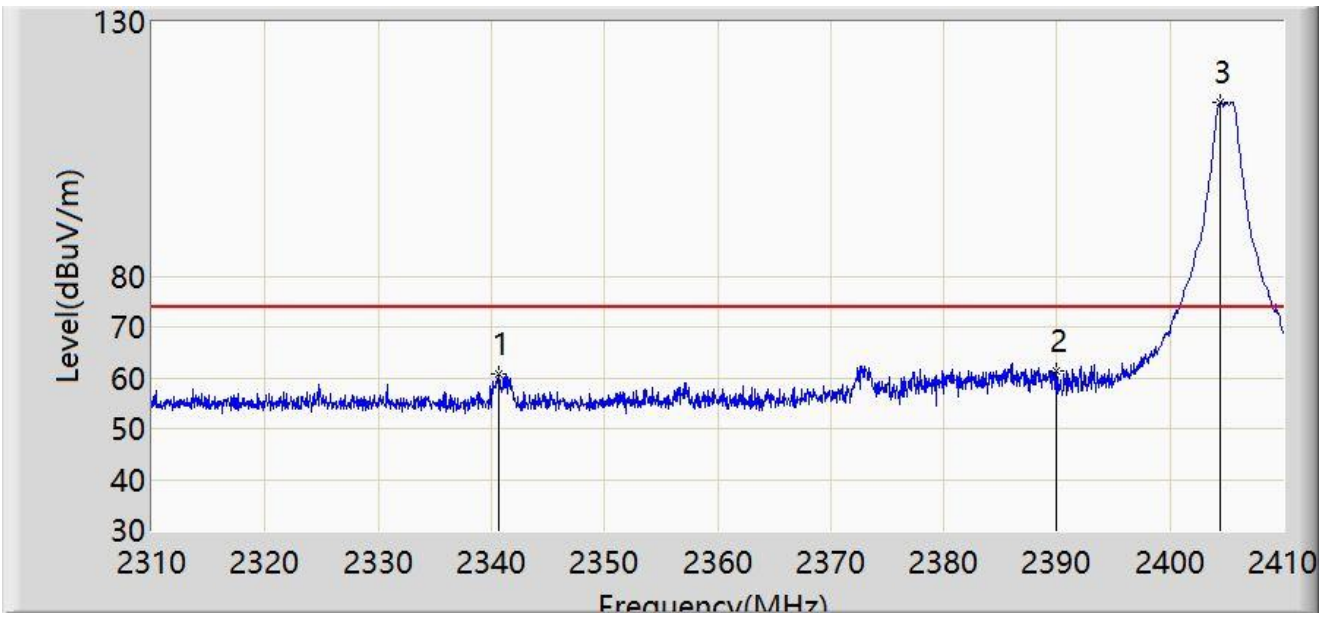
Note 1: " * ", means this data is the worst emission level.

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	Time: 2023/12/26 - 14:18
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by ZigBee at 2405MHz	



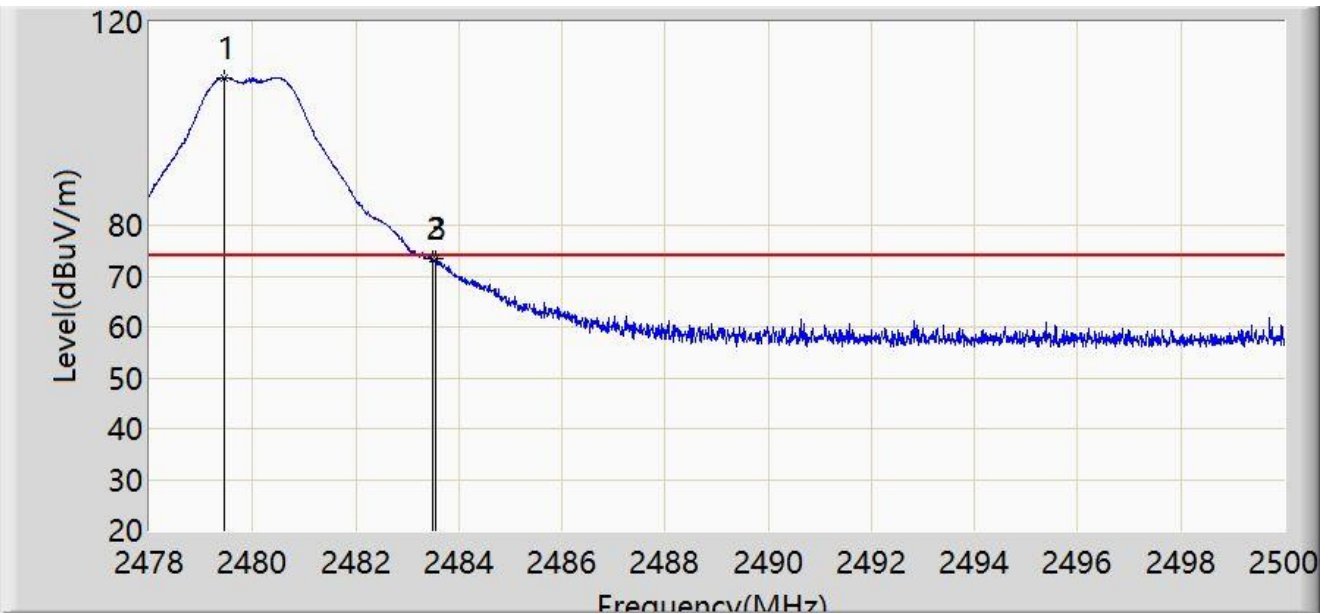
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2340.600	60.846	28.874	-13.154	N/A	74.000	31.972	PK
		2340.600	40.846	28.874	-13.154	-20.00	54.000	31.972	AV
2	*	2390.000	61.242	29.389	-12.758	N/A	74.000	31.853	PK
		2390.000	41.242	29.389	-12.758	-20.00	54.000	31.853	AV
3		2404.500	114.129	82.353	N/A	N/A	N/A	31.776	PK
		2404.500	94.129	82.353	N/A	-20.00	N/A	31.776	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).

Site: WZ-AC2	Time: 2023/10/24 - 01:33
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: Horn 3117_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: AC 120V/60Hz
Test Mode: Transmit by Zigbee at 2480MHz	



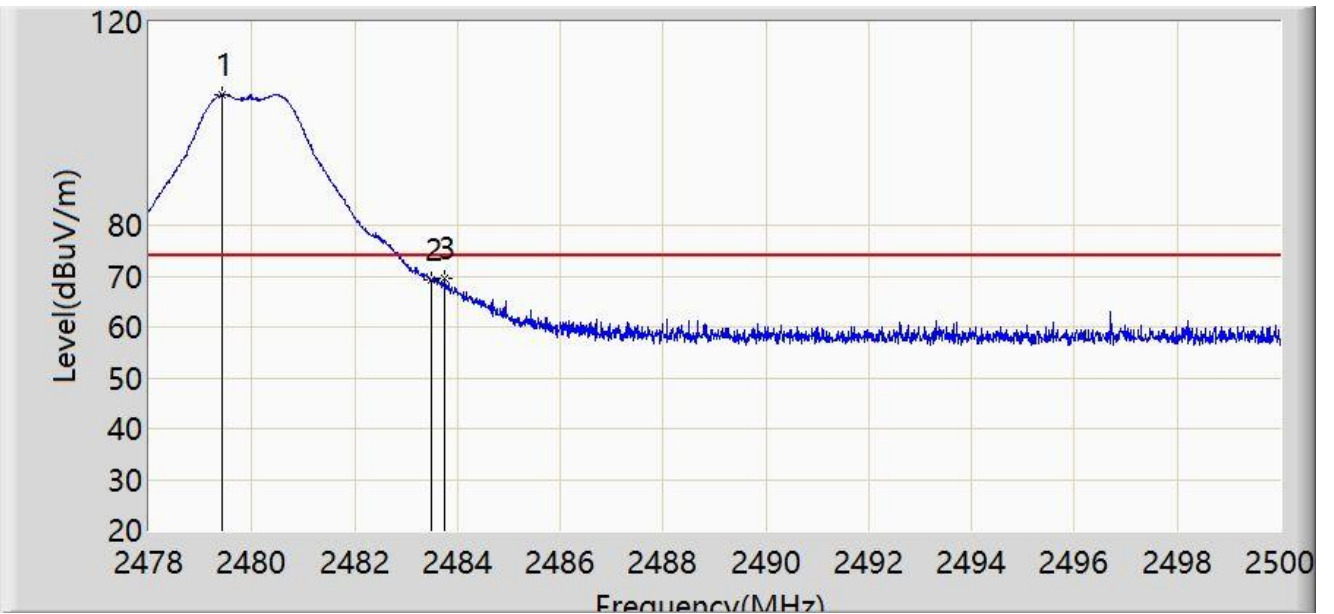
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.463	108.980	72.551	N/A	N/A	N/A	36.429	PK
		2479.463	88.980	72.551	N/A	-20.00	N/A	36.429	AV
2	*	2483.500	73.495	37.057	-0.505	N/A	74.000	36.438	PK
		2483.500	53.495	37.057	-0.505	-20.00	54.000	36.438	AV
3		2483.555	73.390	36.952	-0.610	N/A	74.000	36.439	PK
		2483.555	53.390	36.952	-0.610	-20.00	54.000	36.439	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).

Site: WZ-AC2	Time: 2023/10/24 - 01:40
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: Horn 3117_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	105.561	69.132	N/A	N/A	N/A	36.429	PK
		2479.419	85.561	69.132	N/A	-20.00	N/A	36.429	AV
2		2483.500	69.359	32.921	-4.641	N/A	74.000	36.438	PK
		2483.500	49.359	32.921	-4.641	-20.00	54.000	36.438	AV
3	*	2483.753	69.468	33.029	-4.532	N/A	74.000	36.439	PK
		2483.753	49.468	33.029	-4.532	-20.00	54.000	36.439	AV

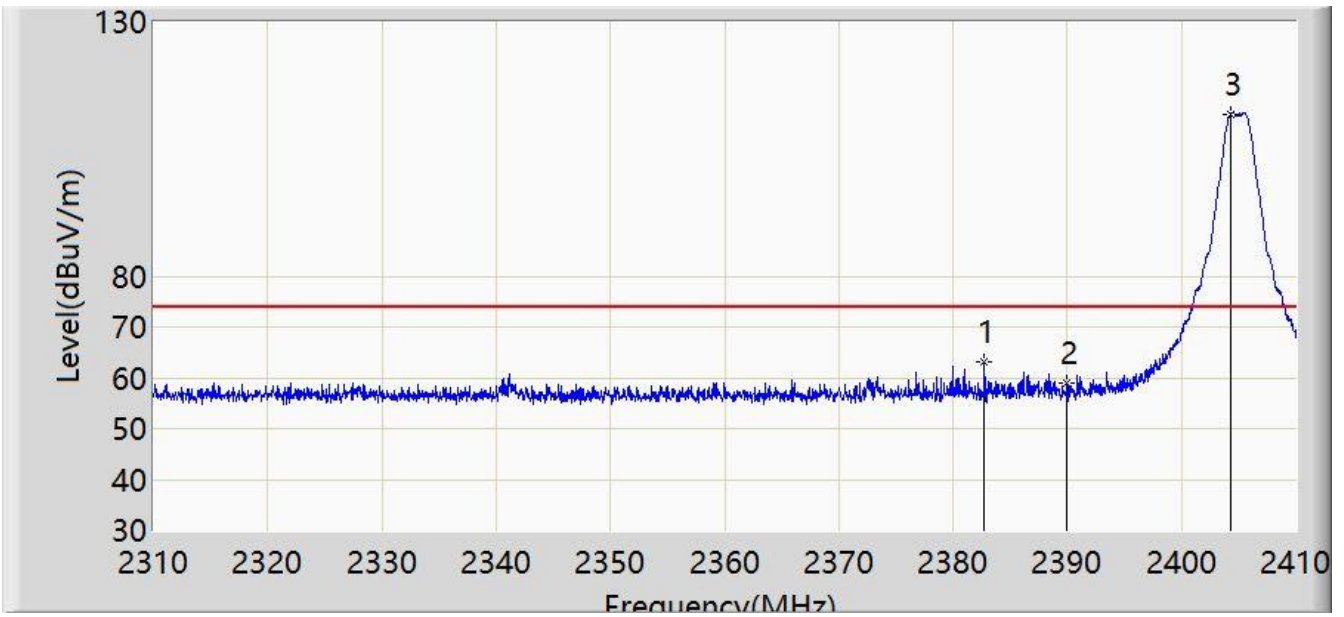
Note 1: " * ", means this data is the worst emission level.

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

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

Filter 5#

Site: WZ-AC2	Time: 2023/12/26 - 15:02
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by ZigBee at 2405MHz	



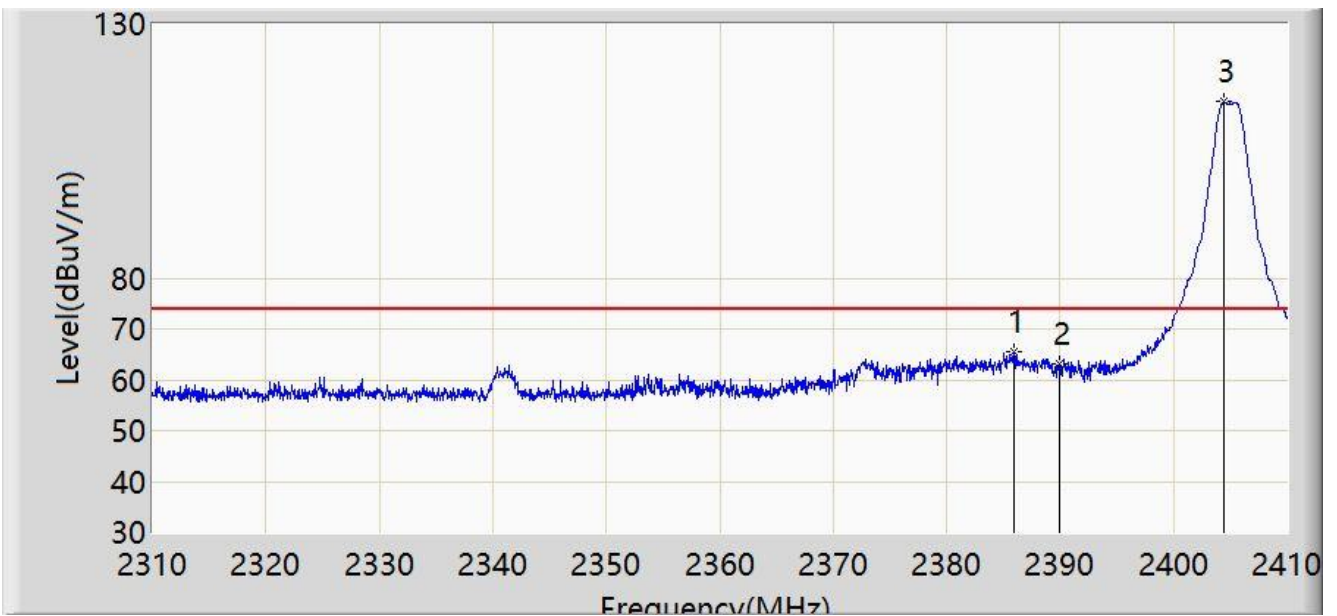
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2382.750	62.990	31.101	-11.010	N/A	74.000	31.888	PK
		2382.750	42.990	31.101	-11.010	-20.00	54.000	31.888	AV
2		2390.000	58.924	27.071	-15.076	N/A	74.000	31.853	PK
		2390.000	38.924	27.071	-15.076	-20.00	54.000	31.853	AV
3		2404.300	111.861	80.084	N/A	N/A	N/A	31.776	PK
		2404.300	91.861	80.084	N/A	-20.00	N/A	31.776	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).

Site: WZ-AC2	Time: 2023/12/26 - 15:07
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: By PoE
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	*	2385.950	65.646	33.770	-8.354	N/A	74.000	31.875	PK
		2385.950	45.646	33.770	-8.354	-20.00	54.000	31.875	AV
2		2390.000	63.033	31.180	-10.967	N/A	74.000	31.853	PK
		2390.000	43.033	31.180	-10.967	-20.00	54.000	31.853	AV
3		2404.450	114.636	82.860	N/A	N/A	N/A	31.776	PK
		2404.450	94.636	82.860	N/A	-20.00	N/A	31.776	AV

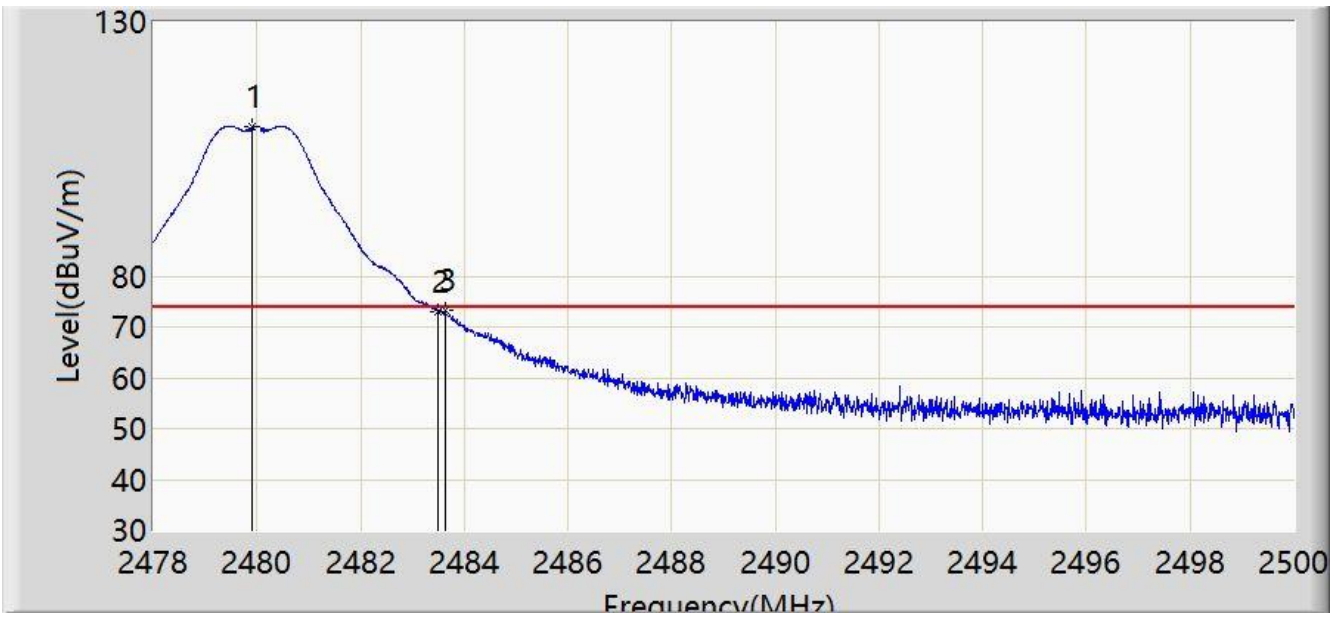
Note 1: " * ", means this data is the worst emission level.

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

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

Filter 6#

Site: WZ-AC2	Time: 2023/12/26 - 15:39
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by ZigBee at 2480MHz	



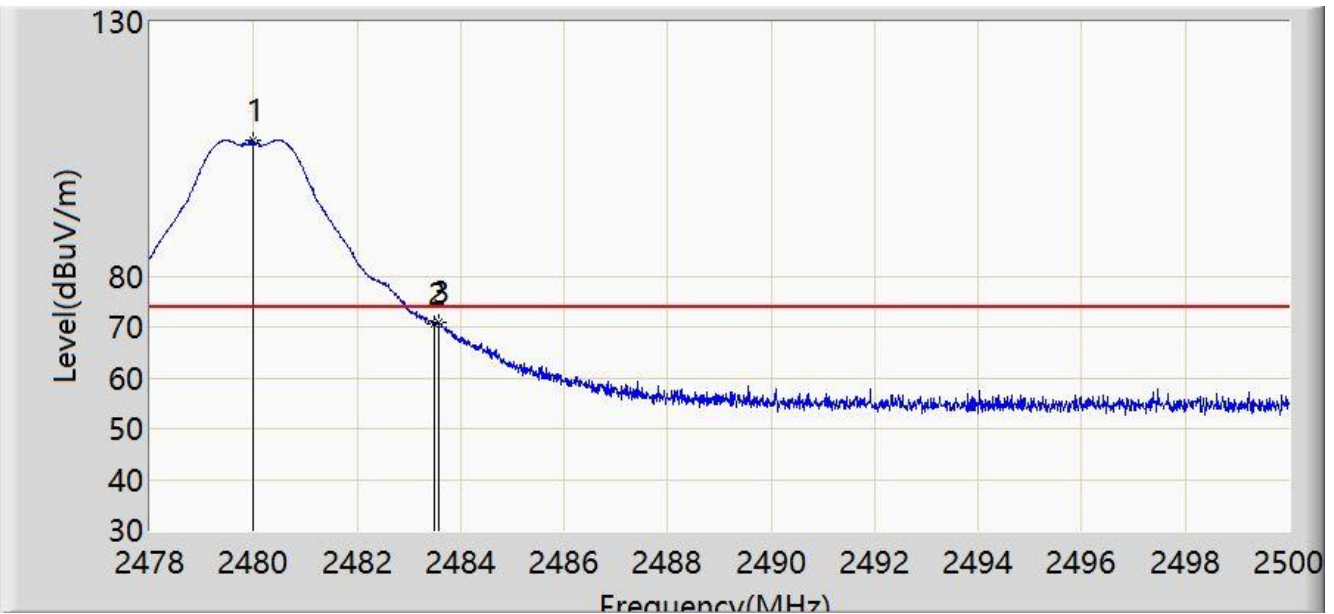
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.903	109.362	77.663	N/A	N/A	N/A	31.699	PK
		2479.903	89.362	77.663	N/A	-20.00	N/A	31.699	AV
2		2483.500	72.902	41.205	-1.098	N/A	74.000	31.696	PK
		2483.500	52.902	41.205	-1.098	-20.00	54.000	31.696	AV
3	*	2483.632	73.196	41.499	-0.804	N/A	74.000	31.697	PK
		2483.632	53.196	41.499	-0.804	-20.00	54.000	31.697	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).

Site: WZ-AC2	Time: 2023/12/26 - 15:41
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: By PoE
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		2480.002	106.588	74.889	N/A	N/A	N/A	31.699	PK
		2480.002	86.588	74.889	N/A	-20.00	N/A	31.699	AV
2		2483.500	70.699	39.002	-3.301	N/A	74.000	31.696	PK
		2483.500	50.699	39.002	-3.301	-20.00	54.000	31.696	AV
3	*	2483.566	70.792	39.095	-3.208	N/A	74.000	31.697	PK
		2483.566	50.792	39.095	-3.208	-20.00	54.000	31.697	AV

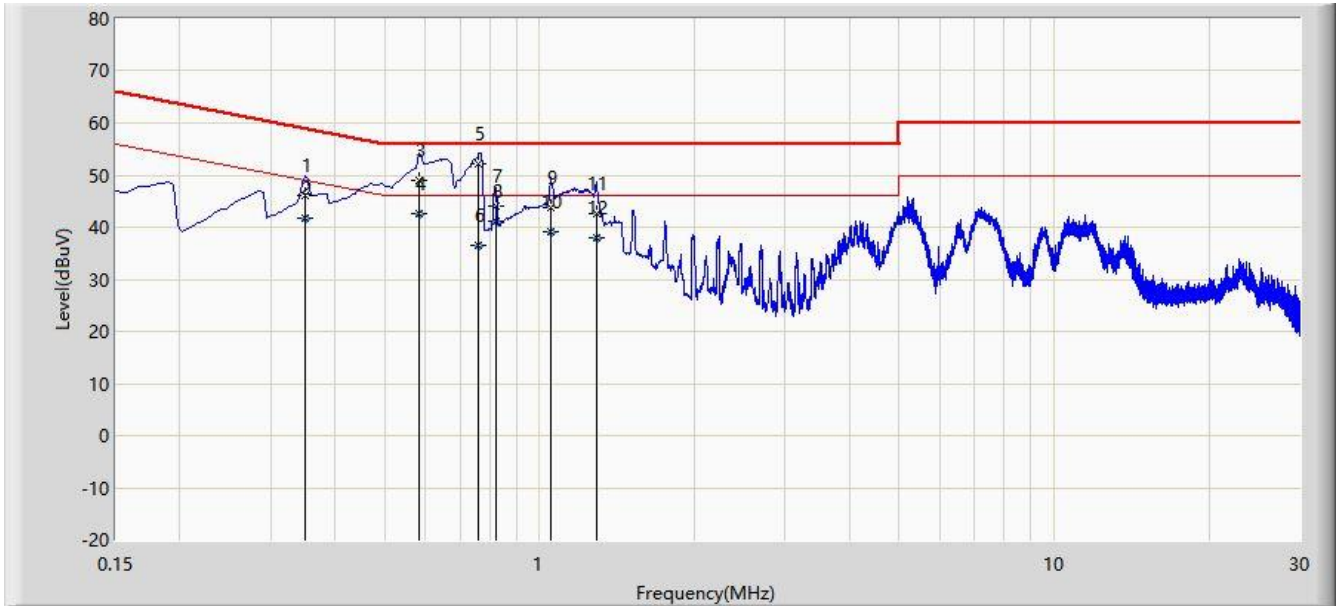
Note 1: " * ", means this data is the worst emission level.

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

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

8. AC Conducted Emissions Test Result

Site: WZ-SR2	Time: 2023/12/21 - 15:58
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 2440MHz	



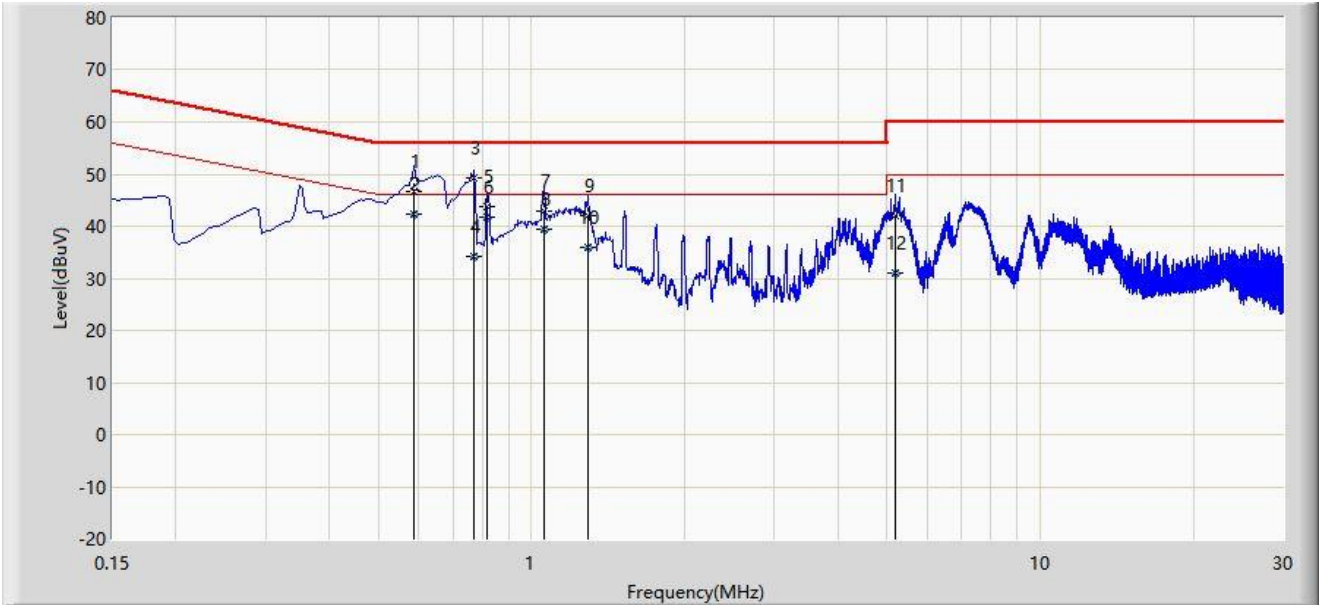
No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.350	46.060	36.288	-12.902	58.962	9.773	QP
2		0.350	41.600	31.827	-7.363	48.962	9.773	AV
3		0.582	48.877	38.998	-7.123	56.000	9.878	QP
4	*	0.582	42.503	32.624	-3.497	46.000	9.878	AV
5		0.762	52.193	42.226	-3.807	56.000	9.967	QP
6		0.762	36.549	26.582	-9.451	46.000	9.967	AV
7		0.822	44.143	34.145	-11.857	56.000	9.999	QP
8		0.822	41.169	31.171	-4.831	46.000	9.999	AV
9		1.050	43.891	33.810	-12.109	56.000	10.081	QP
10		1.050	39.000	28.919	-7.000	46.000	10.081	AV
11		1.290	42.671	32.587	-13.329	56.000	10.084	QP
12		1.290	38.067	27.984	-7.933	46.000	10.084	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	Time: 2023/12/21 - 15:51
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 2440MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.586	46.670	36.790	-9.330	56.000	9.880	QP
2	*	0.586	42.243	32.362	-3.757	46.000	9.880	AV
3		0.770	49.310	39.338	-6.690	56.000	9.972	QP
4		0.770	34.140	24.168	-11.860	46.000	9.972	AV
5		0.818	43.745	33.749	-12.255	56.000	9.997	QP
6		0.818	41.730	31.733	-4.270	46.000	9.997	AV
7		1.058	42.937	32.856	-13.063	56.000	10.081	QP
8		1.058	39.484	29.403	-6.516	46.000	10.081	AV
9		1.294	42.115	32.031	-13.885	56.000	10.084	QP
10		1.294	35.942	25.858	-10.058	46.000	10.084	AV
11		5.194	42.131	31.945	-17.869	60.000	10.186	QP
12		5.194	31.123	20.937	-18.877	50.000	10.186	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).