

Annex B

ZigBee Test Result

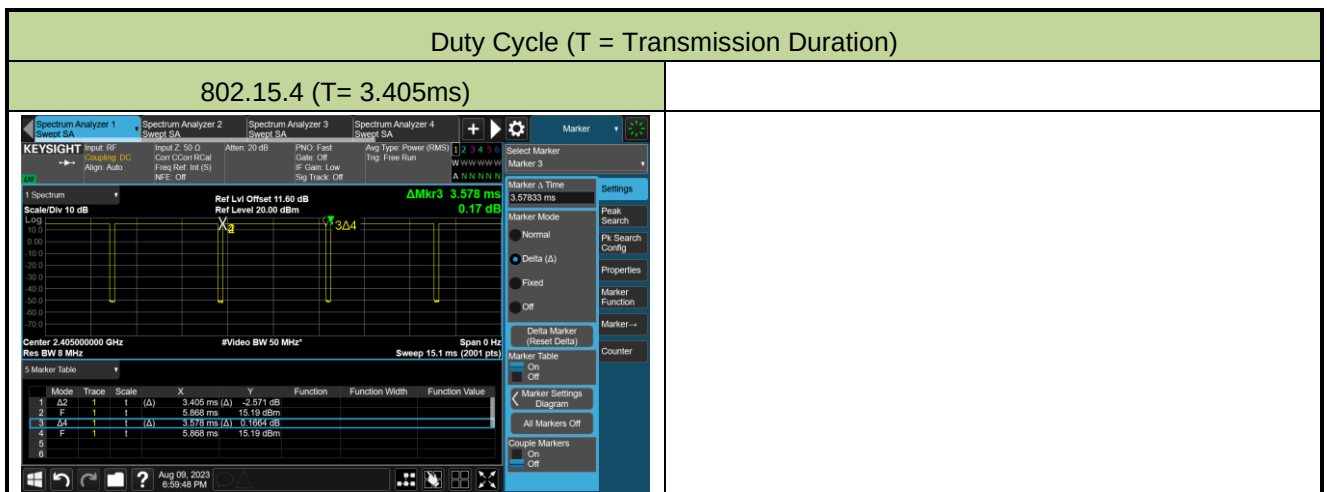
Model No.: APEX0674

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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%



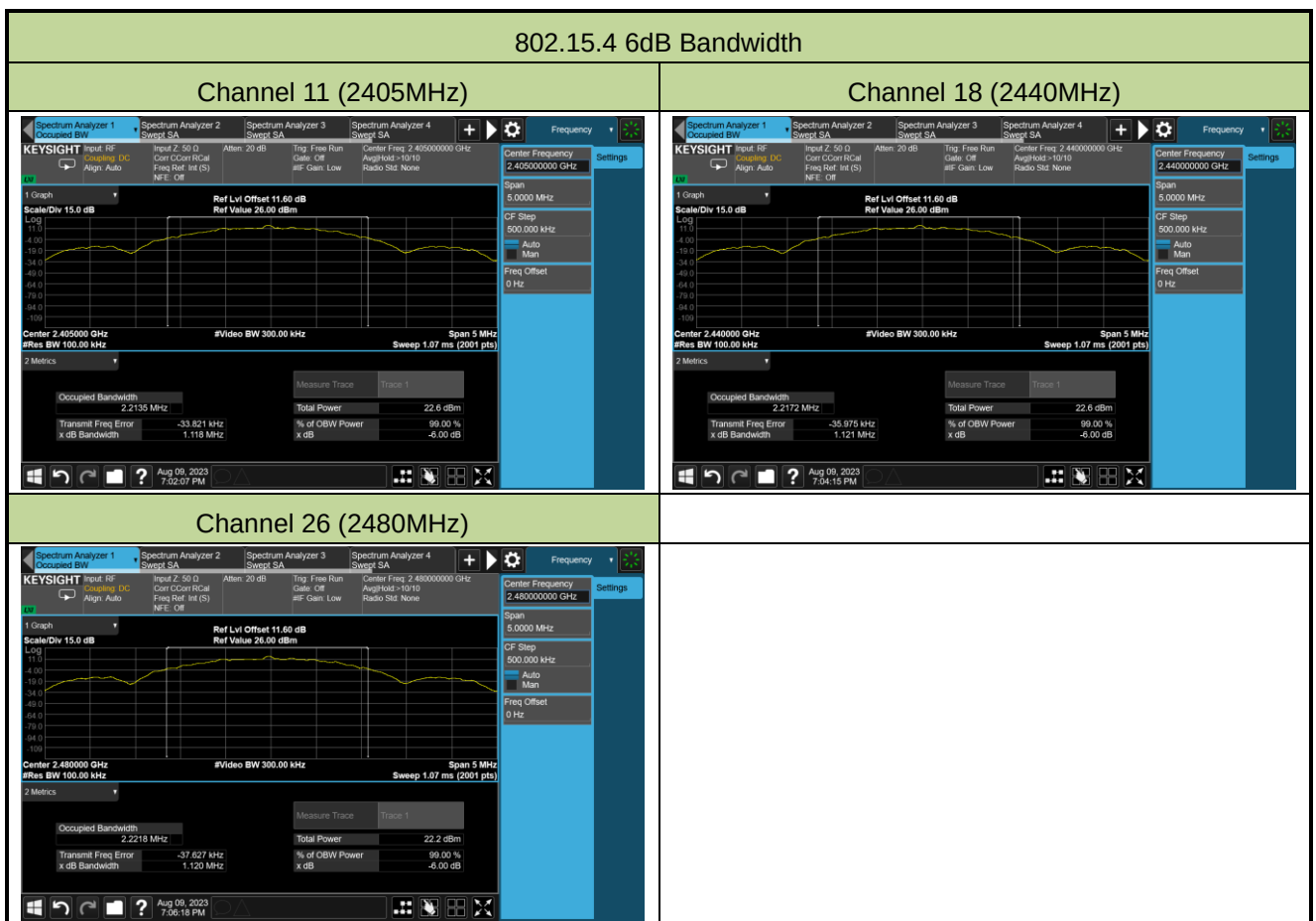
Note 1: This duty cycle was only suitable for continuous transmission of signals via commands.

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	7.74	≤ 30.00	Pass
802.15.4	O-QPSK	18	2440	7.07	≤ 30.00	Pass
802.15.4	O-QPSK	26	2480	6.16	≤ 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	7.65	≤ 30.00	Pass
802.15.4	O-QPSK	18	2440	6.97	≤ 30.00	Pass
802.15.4	O-QPSK	26	2480	6.00	≤ 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	5.42	≤ 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	5.31	≤ 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	3.93	≤ 30.00	Pass

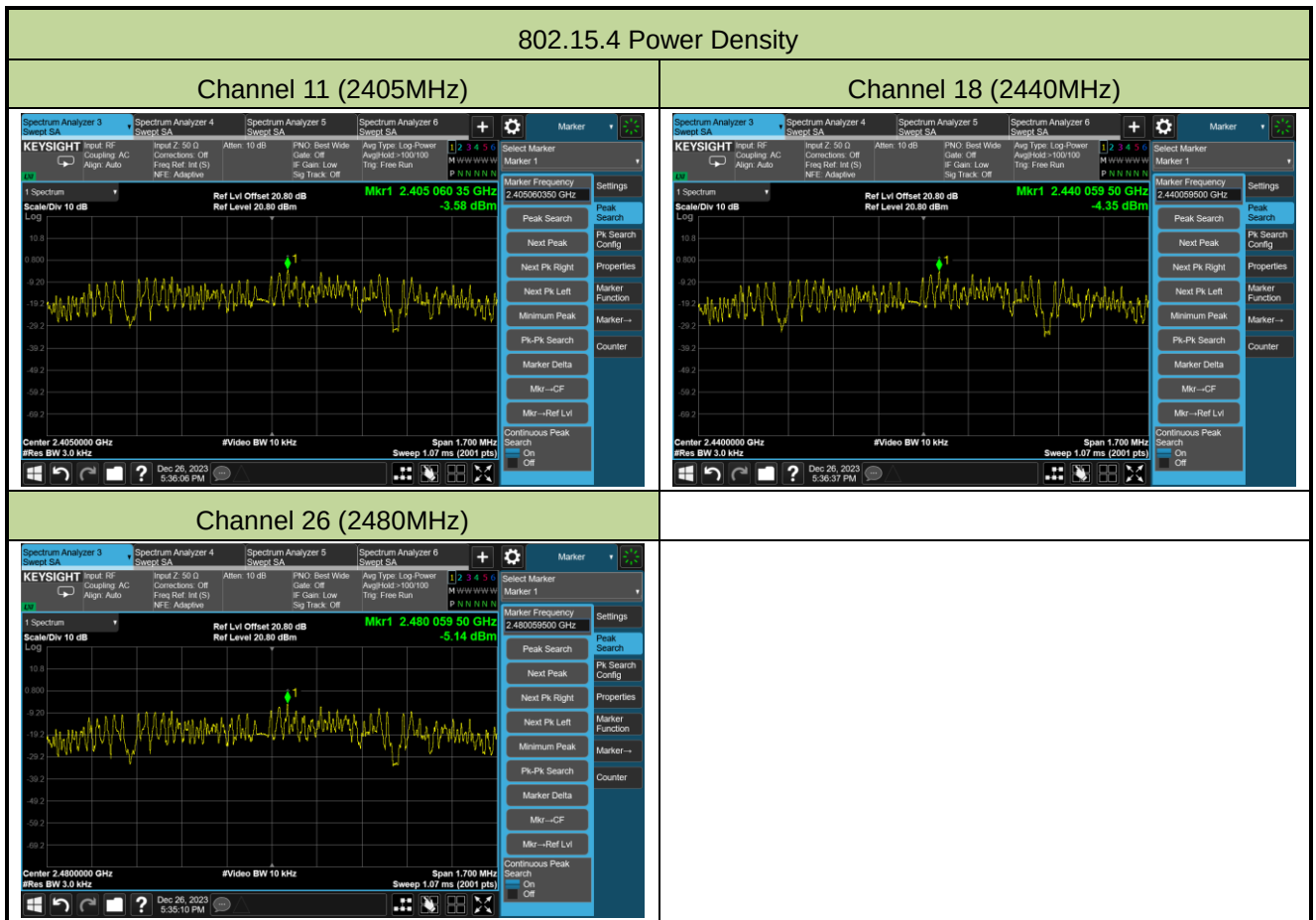
Test Result of Average Output Power (Reporting Only)

Test Mode	Modulation Mode	Channel No.	Freq. (MHz)	Average Power (dBm)	Limit (dBm)	Result
802.15.4	O-QPSK	26	2480	3.77	≤ 30.00	Pass

4. Power Spectral Density Measurement Test Result

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

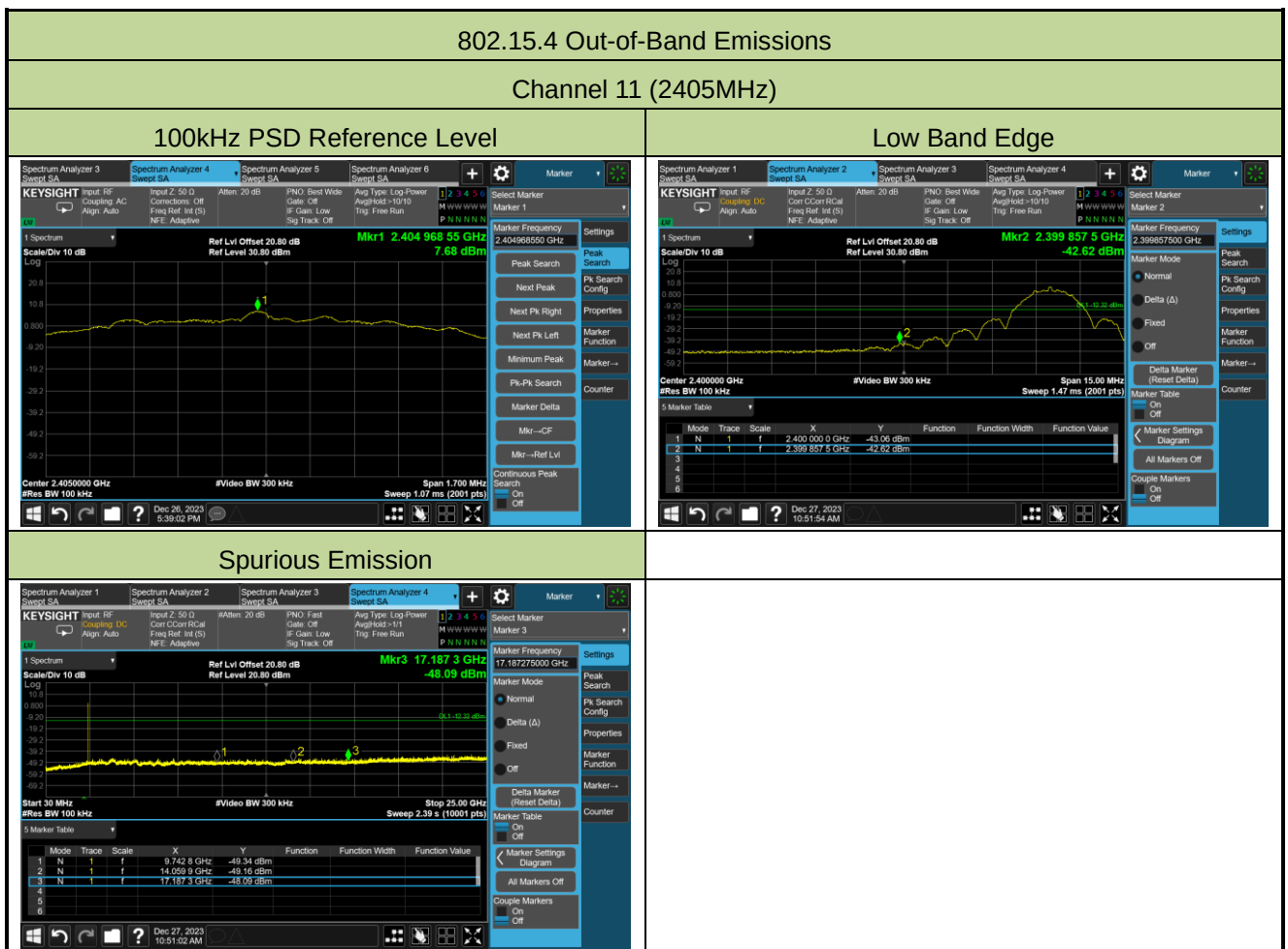
Test Mode	Modulation Mode	Channel No.	Frequency (MHz)	PK PSD (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
802.15.4	O-QPSK	11	2405	-3.58	≤ 8.00	Pass
802.15.4	O-QPSK	18	2440	-4.35	≤ 8.00	Pass
802.15.4	O-QPSK	26	2480	-5.14	≤ 8.00	Pass



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

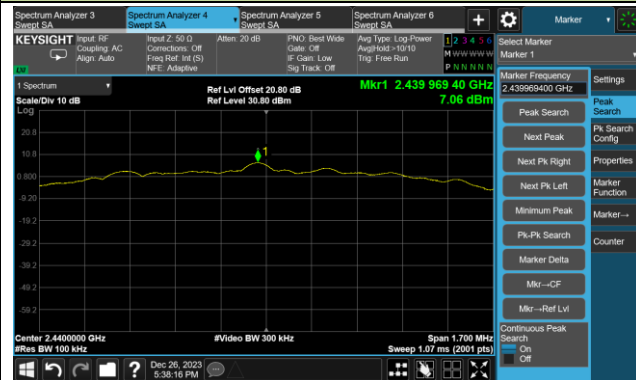
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-12-26~2023-12-27	Filter Configuration	Filter 4#

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

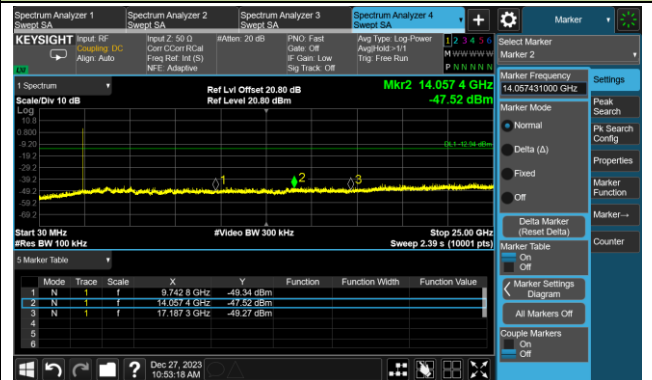


Channel 18 (2440MHz)

100kHz PSD Reference Level

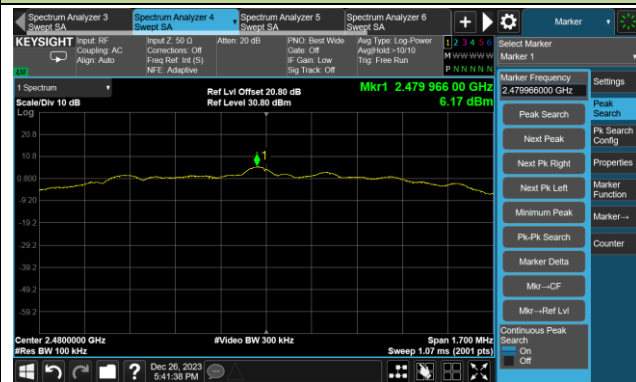


Spurious Emission



Channel 26 (2480MHz)

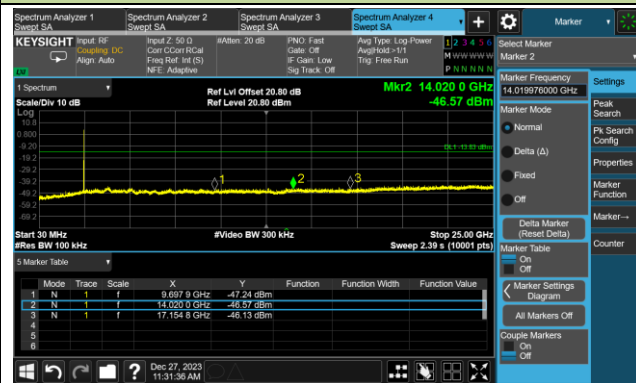
100kHz PSD Reference Level



High Band Edge

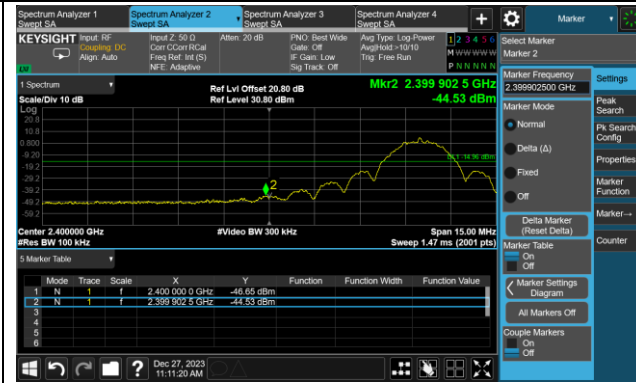
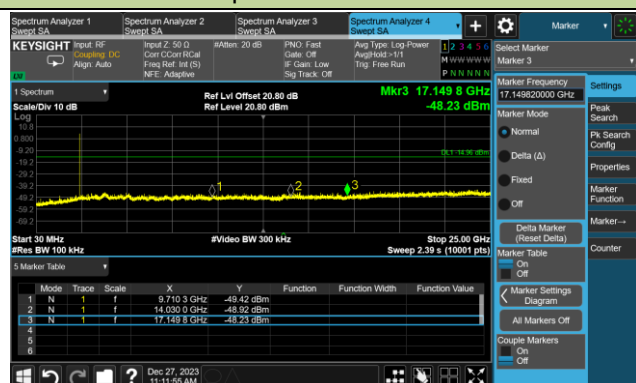


Spurious Emission



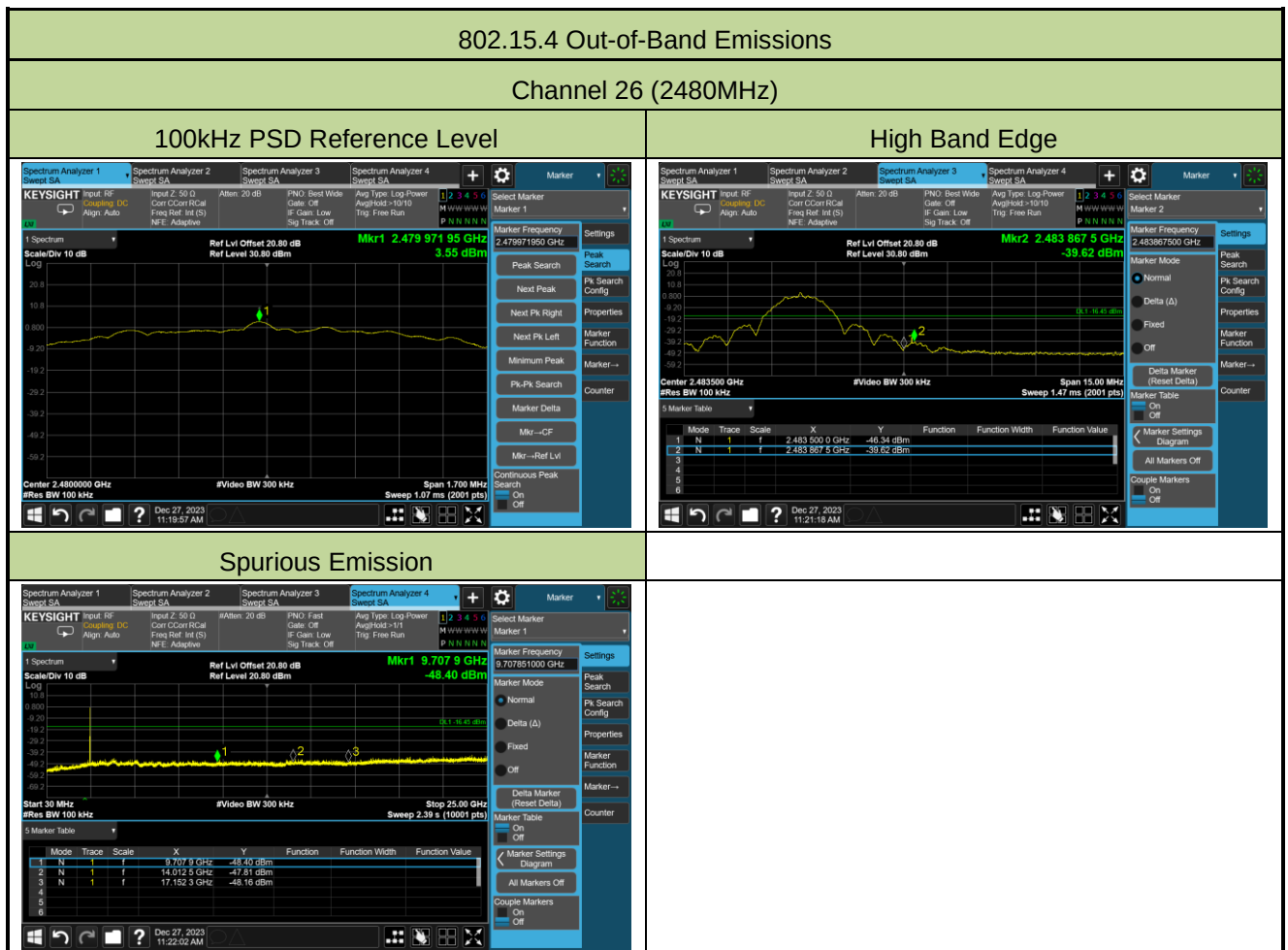
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2023-12-27	Filter Configuration	Filter 5#

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
	
Spurious Emission	
	

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



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 (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
11	7604.5	30.7	11.6	42.3	74.0	-31.7	Peak	Horizontal
	8386.5	30.2	11.2	41.4	74.0	-32.6	Peak	Horizontal
	11480.5	30.7	17.6	48.3	74.0	-25.7	Peak	Horizontal
	7613.0	32.5	11.8	44.3	74.0	-29.7	Peak	Vertical
	8267.5	33.2	11.2	44.4	74.0	-29.6	Peak	Vertical
	11786.5	31.1	17.6	48.7	74.0	-25.3	Peak	Vertical
18	7502.5	31.5	12.0	43.5	74.0	-30.5	Peak	Horizontal
	8208.0	32.6	11.3	43.8	74.0	-30.2	Peak	Horizontal
	11565.5	31.2	17.8	49.0	74.0	-25.0	Peak	Horizontal
	7468.5	31.7	12.1	43.8	74.0	-30.2	Peak	Vertical
	8318.5	31.7	10.9	42.6	74.0	-31.4	Peak	Vertical
	11565.5	30.9	17.8	48.6	74.0	-25.4	Peak	Vertical
26	7613.0	31.5	11.8	43.3	74.0	-30.7	Peak	Horizontal
	8242.0	33.2	11.0	44.1	74.0	-29.9	Peak	Horizontal
	11506.0	32.2	17.4	49.6	74.0	-24.4	Peak	Horizontal
	7698.0	33.0	11.2	44.2	74.0	-29.8	Peak	Vertical
	10792.0	31.3	16.4	47.7	74.0	-26.3	Peak	Vertical
	11472.0	31.0	17.5	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)

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	32.7	11.7	44.4	74.0	-29.6	Peak	Horizontal
	8242.0	32.2	11.0	43.2	74.0	-30.8	Peak	Horizontal
	11438.0	30.5	17.2	47.8	74.0	-26.2	Peak	Horizontal
	7638.5	32.0	11.5	43.6	74.0	-30.4	Peak	Vertical
	11064.0	32.0	16.3	48.3	74.0	-25.7	Peak	Vertical
	11650.5	30.7	17.8	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)								

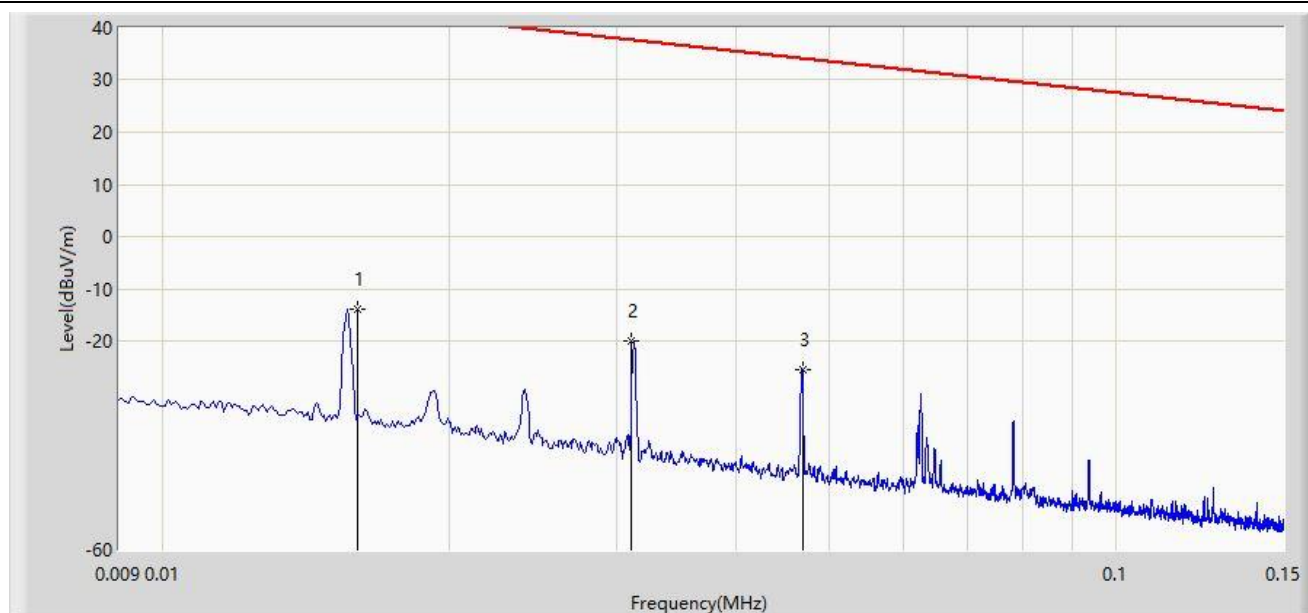
Filter 6#

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	7451.5	31.4	12.2	43.6	74.0	-30.4	Peak	Horizontal
	8293.0	31.6	11.0	42.6	74.0	-31.4	Peak	Horizontal
	11480.5	30.9	17.6	48.5	74.0	-25.5	Peak	Horizontal
	7638.5	32.1	11.5	43.6	74.0	-30.4	Peak	Vertical
	8284.5	31.6	11.1	42.7	74.0	-31.3	Peak	Vertical
	11650.5	31.1	17.8	48.9	74.0	-25.1	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	-13.941	66.023	-57.447	43.505	-79.964	PK
2		0.031	-20.126	59.835	-57.889	37.764	-79.961	PK
3		0.047	-25.638	54.319	-59.789	34.151	-79.957	PK

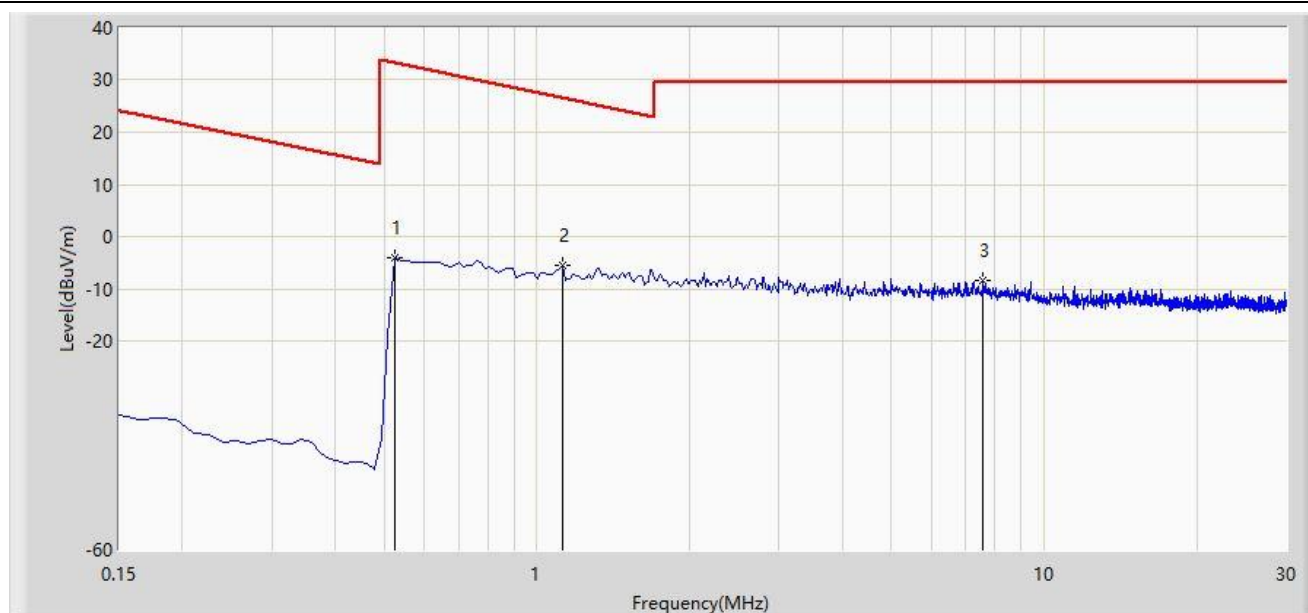
Note 1: " * ", means this data is the worst emission level.

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 (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		0.523	-4.094	35.751	-37.329	33.235	-39.845	PK
2	*	1.120	-5.409	34.391	-32.049	26.640	-39.800	PK
3		7.568	-8.373	31.318	-37.873	29.500	-39.691	PK

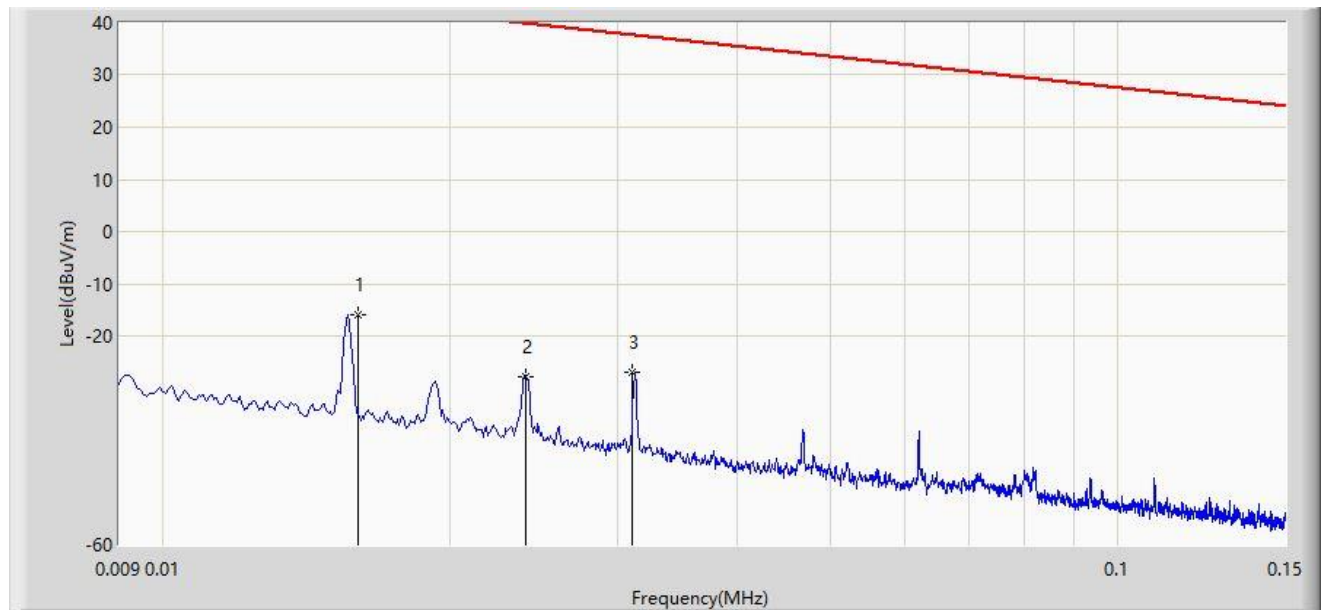
Note 1: " * ", means this data is the worst emission level.

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	*	0.016	-15.892	64.072	-59.398	43.505	-79.964	PK
2		0.024	-27.846	52.116	-67.832	39.985	-79.962	PK
3		0.031	-27.026	52.935	-64.789	37.764	-79.961	PK

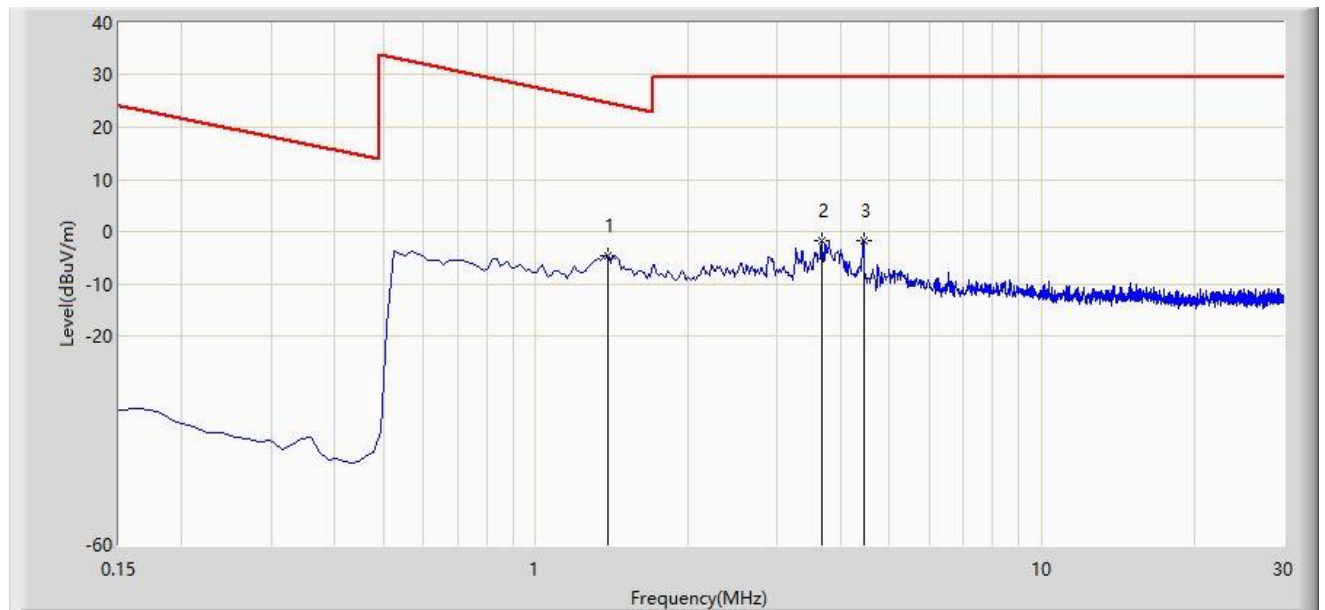
Note 1: " * ", means this data is the worst emission level.

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	*	1.389	-4.537	35.261	-29.312	24.775	-39.798	PK
2		3.672	-1.800	37.963	-31.300	29.500	-39.763	PK
3		4.448	-1.792	37.947	-31.292	29.500	-39.739	PK

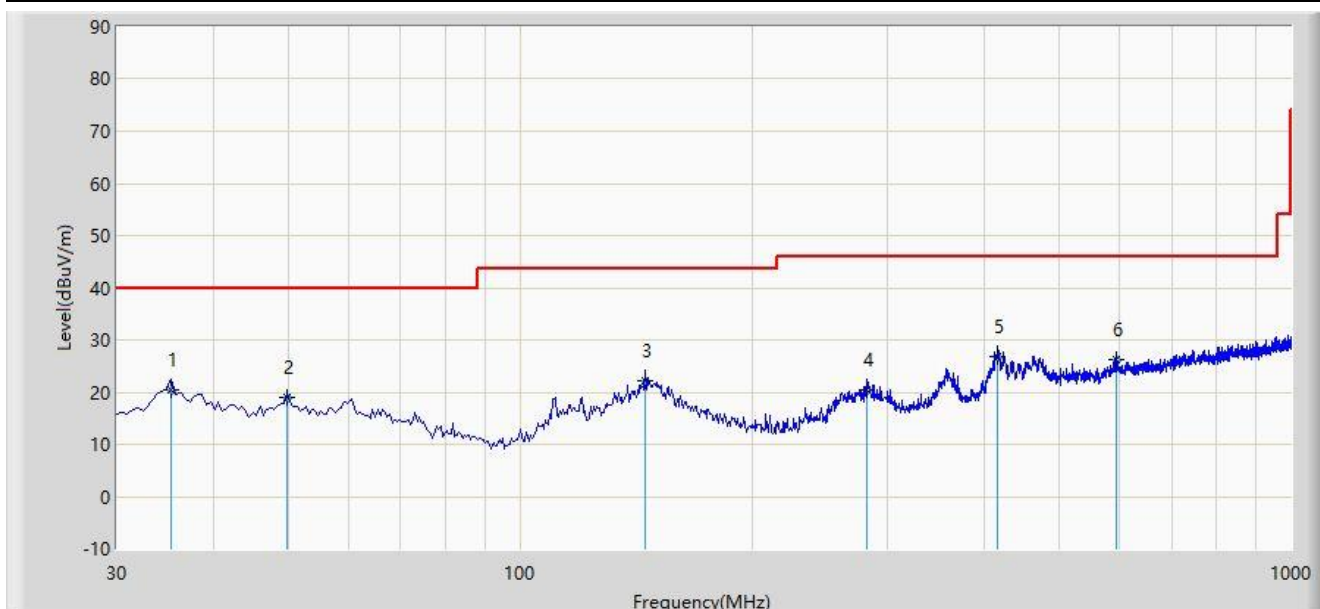
Note 1: " * ", means this data is the worst emission level.

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		35.335	20.369	2.840	-19.631	40.000	17.529	QP
2		49.885	19.122	0.540	-20.878	40.000	18.582	QP
3		145.430	22.058	4.070	-21.442	43.500	17.988	QP
4		282.200	20.341	2.170	-25.659	46.000	18.171	QP
5	*	416.060	26.769	5.500	-19.231	46.000	21.269	QP
6		592.600	26.286	1.010	-19.714	46.000	25.276	QP

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

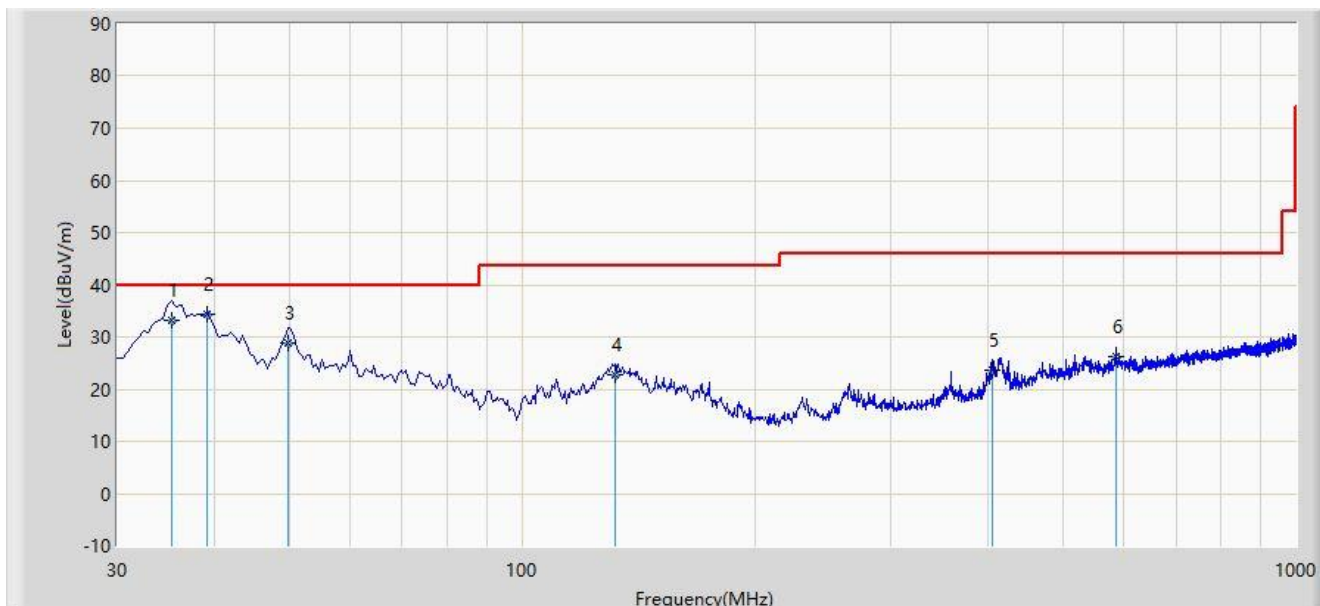
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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		35.335	33.179	15.650	-6.821	40.000	17.529	QP
2	*	39.215	34.262	16.320	-5.738	40.000	17.942	QP
3		49.885	28.902	10.320	-11.098	40.000	18.582	QP
4		131.850	22.860	5.820	-20.640	43.500	17.040	QP
5		405.390	23.736	2.770	-22.264	46.000	20.966	QP
6		585.810	26.090	1.040	-19.910	46.000	25.050	QP

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

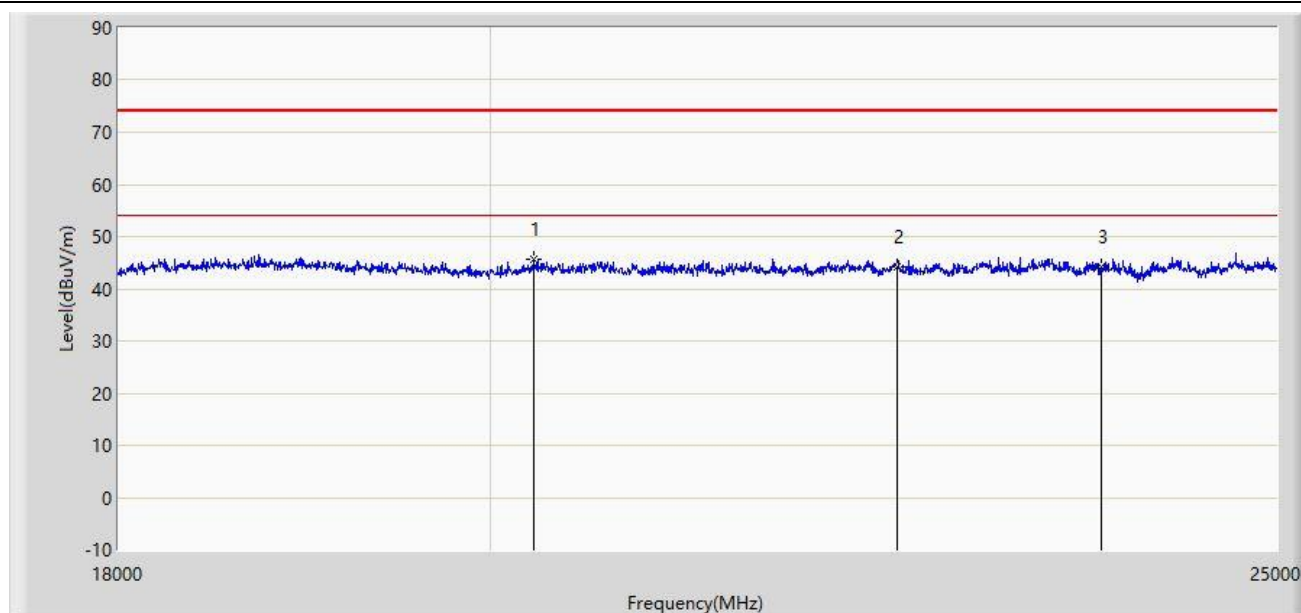
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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	*	20250.500	45.586	55.202	-28.414	74.000	-9.616	PK
2		22448.500	44.133	52.049	-29.867	74.000	-7.916	PK
3		23789.000	44.138	51.691	-29.862	74.000	-7.552	PK

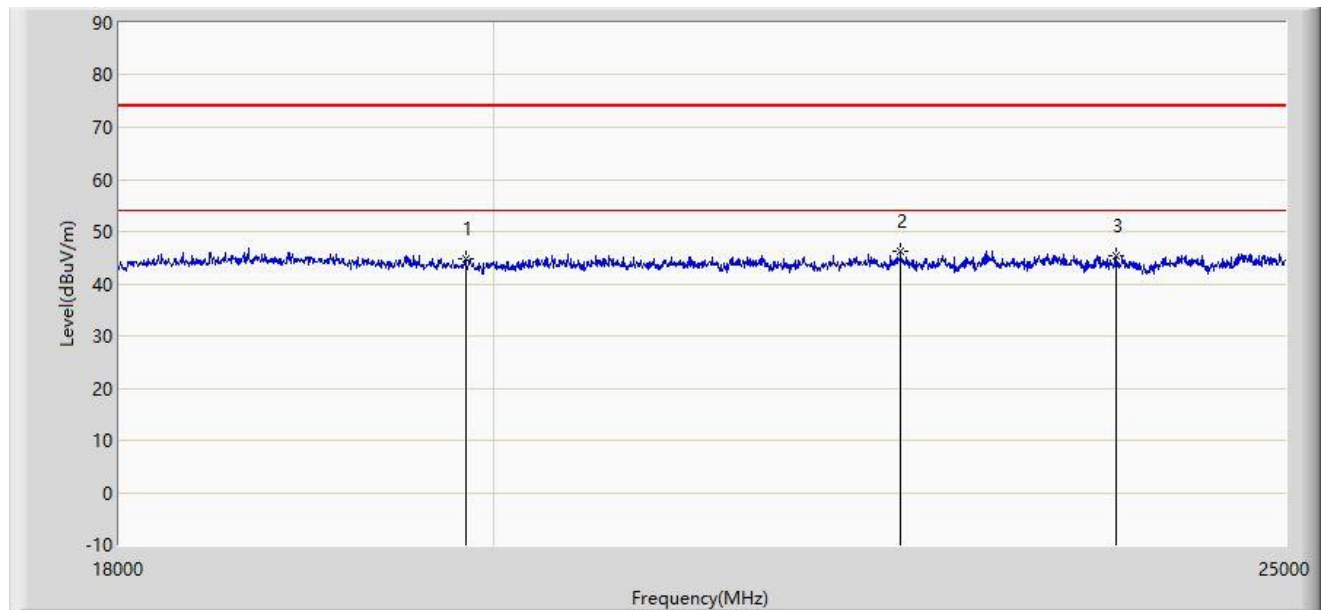
Note 1: " * ", means this data is the worst emission level.

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		19848.000	44.851	55.090	-29.149	74.000	-10.239	PK
2	*	22431.000	46.207	53.956	-27.793	74.000	-7.749	PK
3		23834.500	45.385	52.328	-28.615	74.000	-6.943	PK

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

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

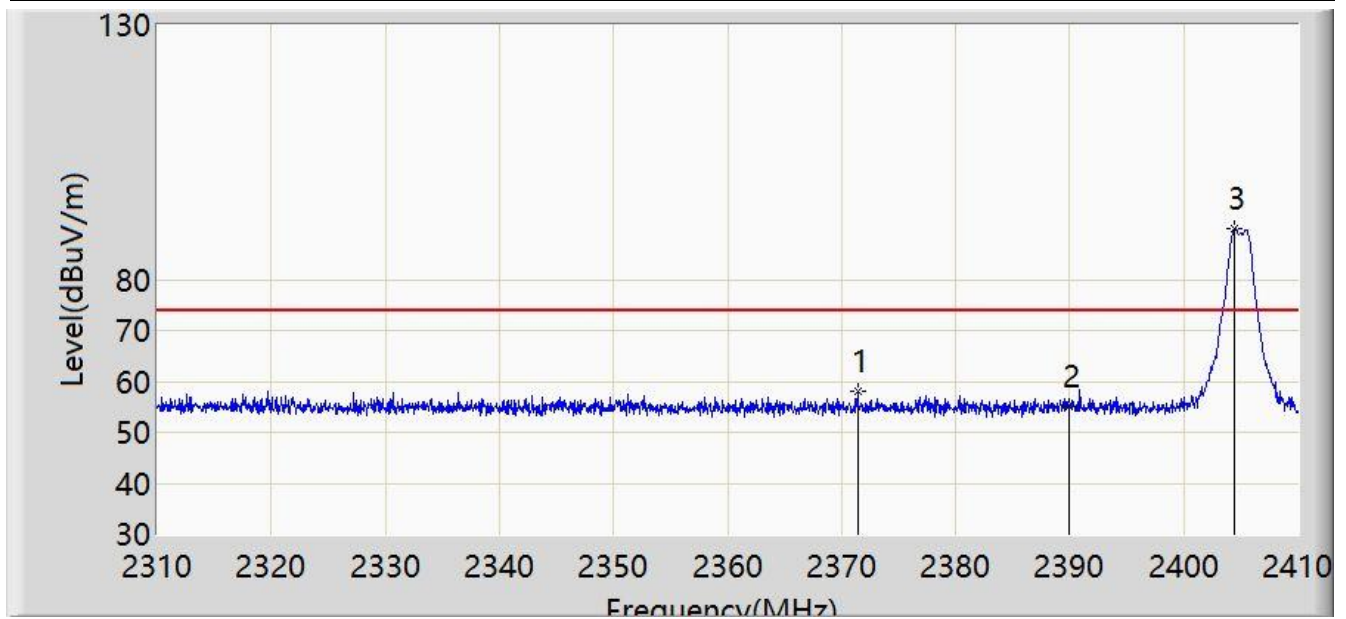
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

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 - 15:44
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	*	2371.400	57.952	26.039	-16.048	N/A	74.000	31.913	PK
		2371.400	37.952	26.039	-16.048	-20.00	54.000	31.913	AV
2		2390.000	54.942	23.089	-19.058	N/A	74.000	31.853	PK
		2390.000	34.942	23.089	-19.058	-20.00	54.000	31.853	AV
3		2404.500	90.144	58.368	N/A	N/A	N/A	31.776	PK
		2404.500	70.144	58.368	N/A	-20.00	N/A	31.776	AV

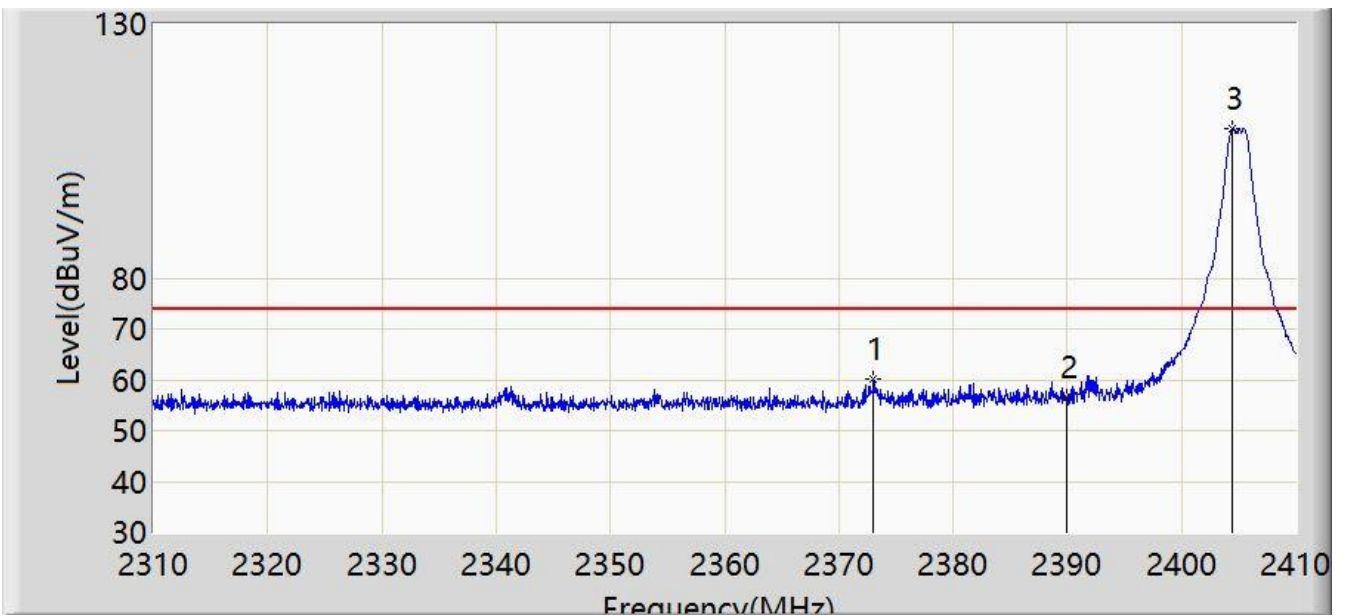
Note 1: " * ", means this data is the worst emission level.

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

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

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

Site: WZ-AC2	Time: 2023/12/26 - 16:01
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	*	2373.000	60.130	28.222	-13.870	N/A	74.000	31.908	PK
		2373.000	40.130	28.222	-13.870	-20.00	54.000	31.908	AV
2		2390.000	56.562	24.709	-17.438	N/A	74.000	31.853	PK
		2390.000	36.562	24.709	-17.438	-20.00	54.000	31.853	AV
3		2404.450	109.388	77.612	N/A	N/A	N/A	31.776	PK
		2404.450	89.388	77.612	N/A	-20.00	N/A	31.776	AV

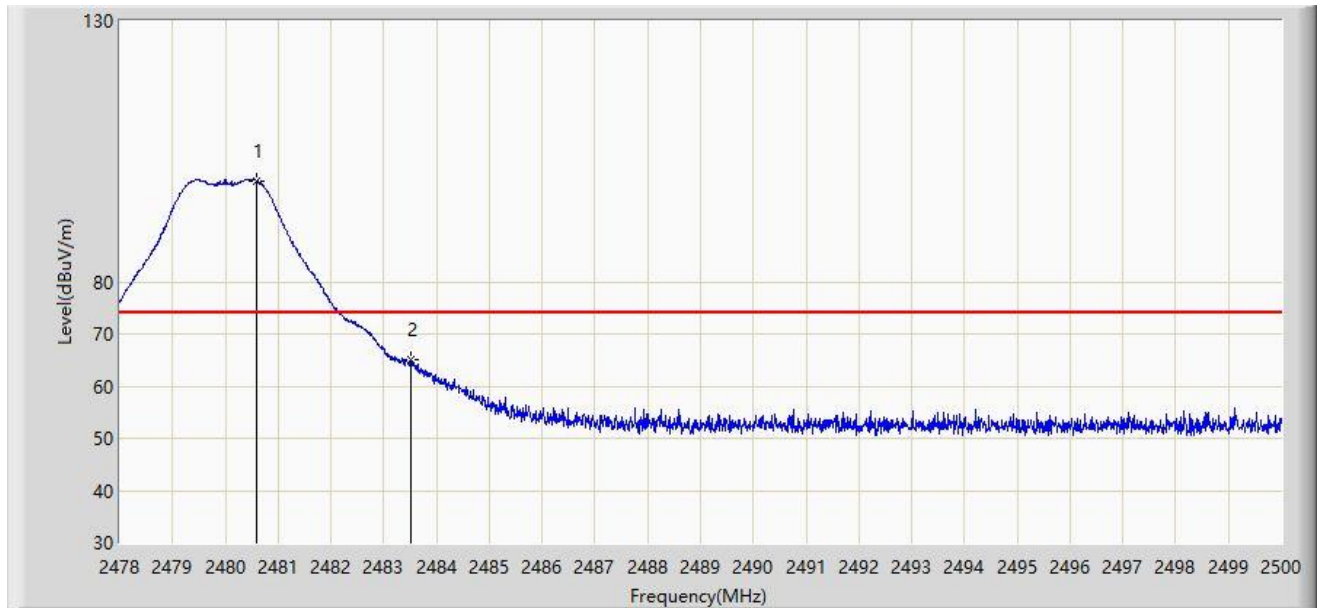
Note 1: " * ", means this data is the worst emission level.

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

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

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

Site: WZ-AC2	Time: 2023/12/26 - 16:44
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 (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1	*	2480.585	99.410	68.186	25.410	N/A	N/A	31.224	PK
		2480.585	79.410	68.186	25.410	-20.00	N/A	31.224	AV
2		2483.500	64.955	33.729	-9.045	N/A	74.000	31.226	PK
		2483.500	44.955	33.729	-9.045	-20.00	54.000	31.226	AV

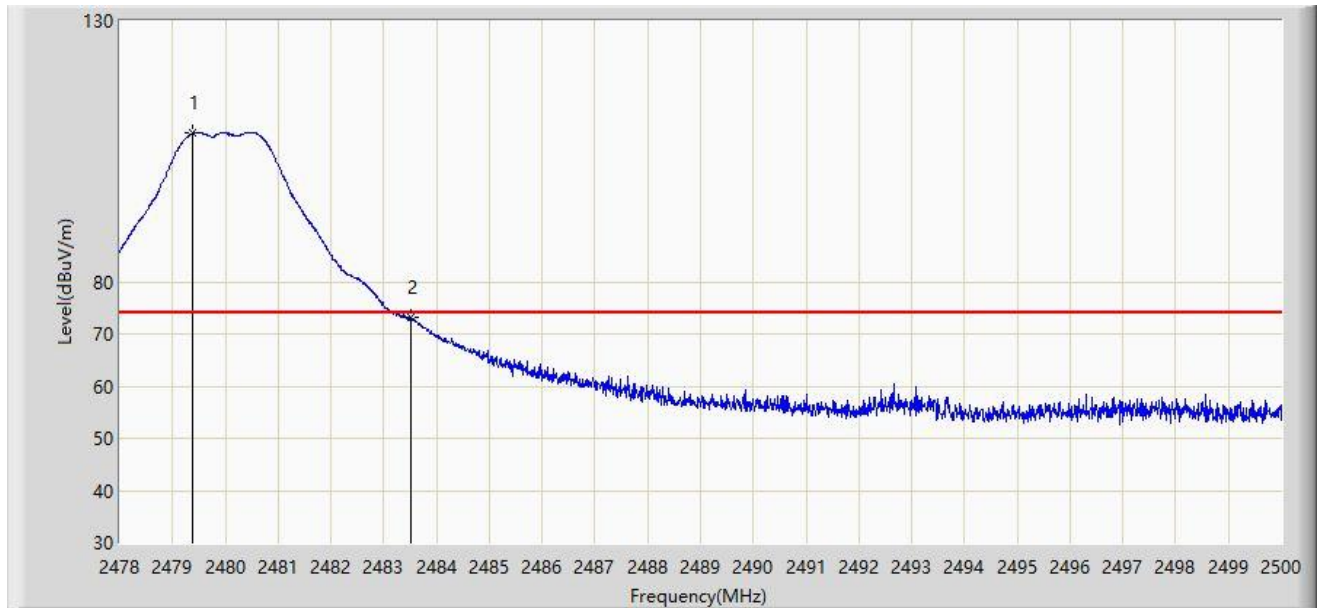
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBuV/m) = Reading Level (dBuV) + 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 - 16:55
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: By PoE
Test Mode: Transmit by Zigbee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1	*	2479.386	108.449	77.226	N/A	N/A	N/A	31.223	PK
		2479.386	88.449	77.226	N/A	-20.00	N/A	31.223	AV
2		2483.500	73.045	41.819	-0.955	N/A	74.000	31.226	PK
		2483.500	53.045	41.819	-0.955	-20.00	54.000	31.226	AV

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

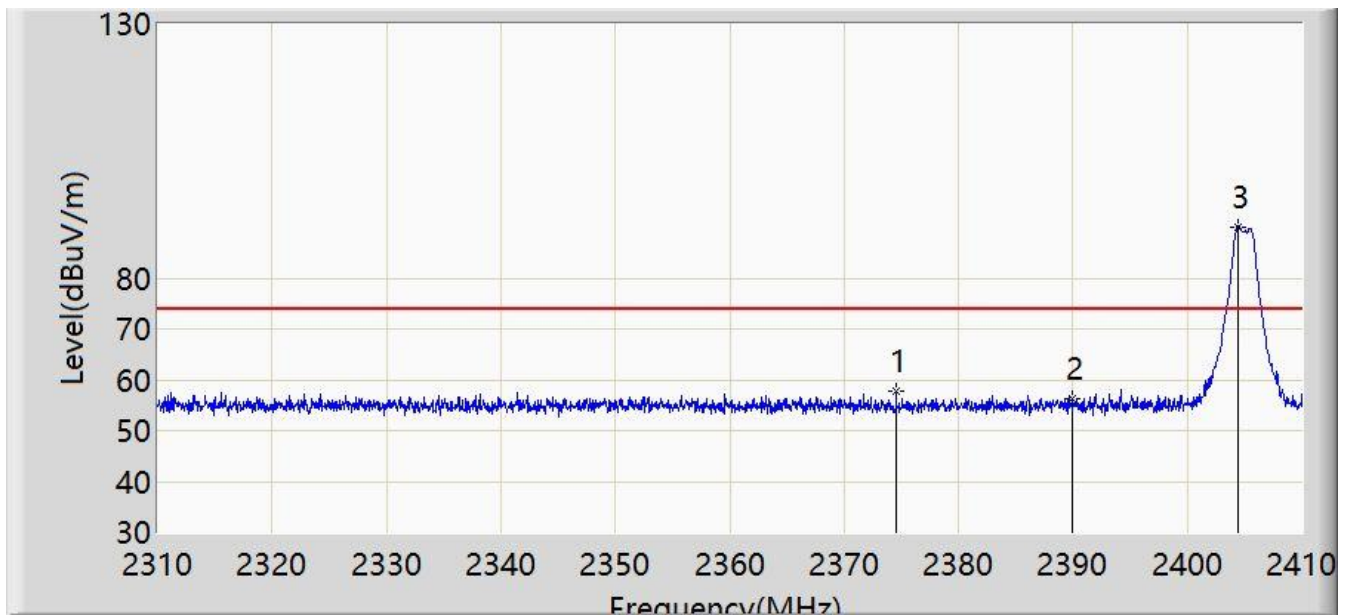
Note 2: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m).

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.

Filter 5#

Site: WZ-AC2	Time: 2023/12/26 - 15:51
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	*	2374.550	57.813	25.909	-16.187	N/A	74.000	31.904	PK
		2374.550	37.813	25.909	-16.187	-20.00	54.000	31.904	AV
2		2390.000	56.125	24.272	-17.875	N/A	74.000	31.853	PK
		2390.000	36.125	24.272	-17.875	-20.00	54.000	31.853	AV
3		2404.400	90.133	58.357	N/A	N/A	N/A	31.776	PK
		2404.400	70.133	58.357	N/A	-20.00	N/A	31.776	AV

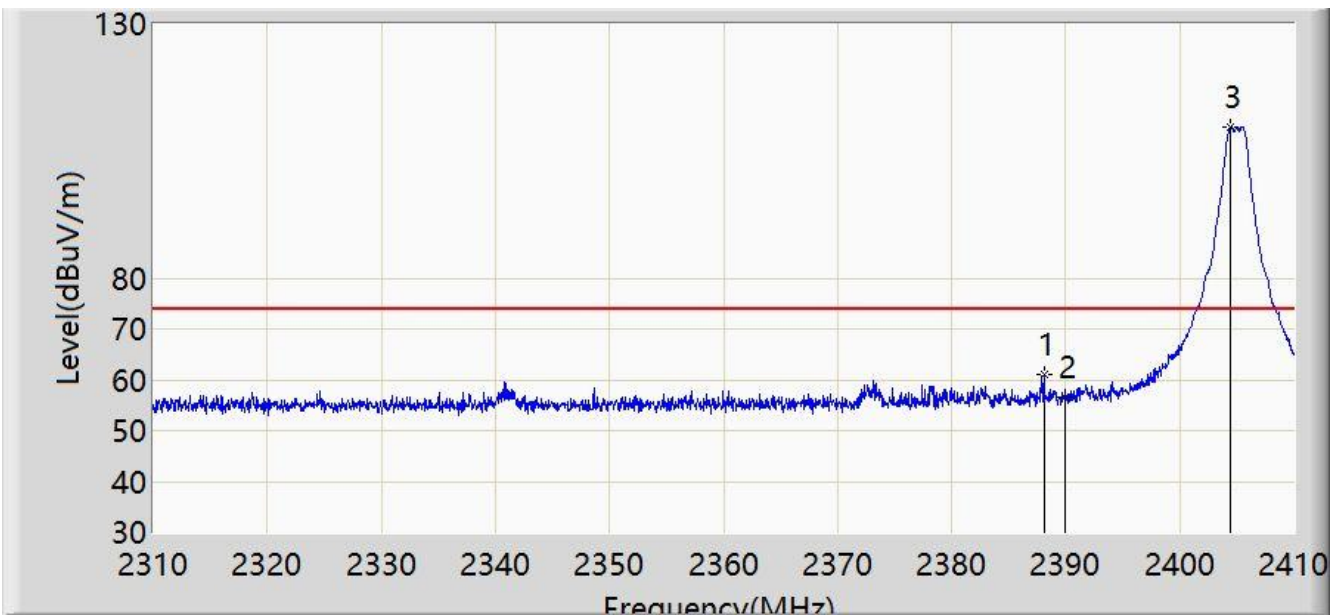
Note 1: " * ", means this data is the worst emission level.

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

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

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

Site: WZ-AC2	Time: 2023/12/26 - 15:53
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	*	2388.100	61.135	29.271	-12.865	N/A	74.000	31.863	PK
		2388.100	41.135	29.271	-12.865	-20.00	54.000	31.863	AV
2		2390.000	56.459	24.606	-17.541	N/A	74.000	31.853	PK
		2390.000	36.459	24.606	-17.541	-20.00	54.000	31.853	AV
3		2404.450	109.721	77.945	N/A	N/A	N/A	31.776	PK
		2404.450	89.721	77.945	N/A	-20.00	N/A	31.776	AV

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

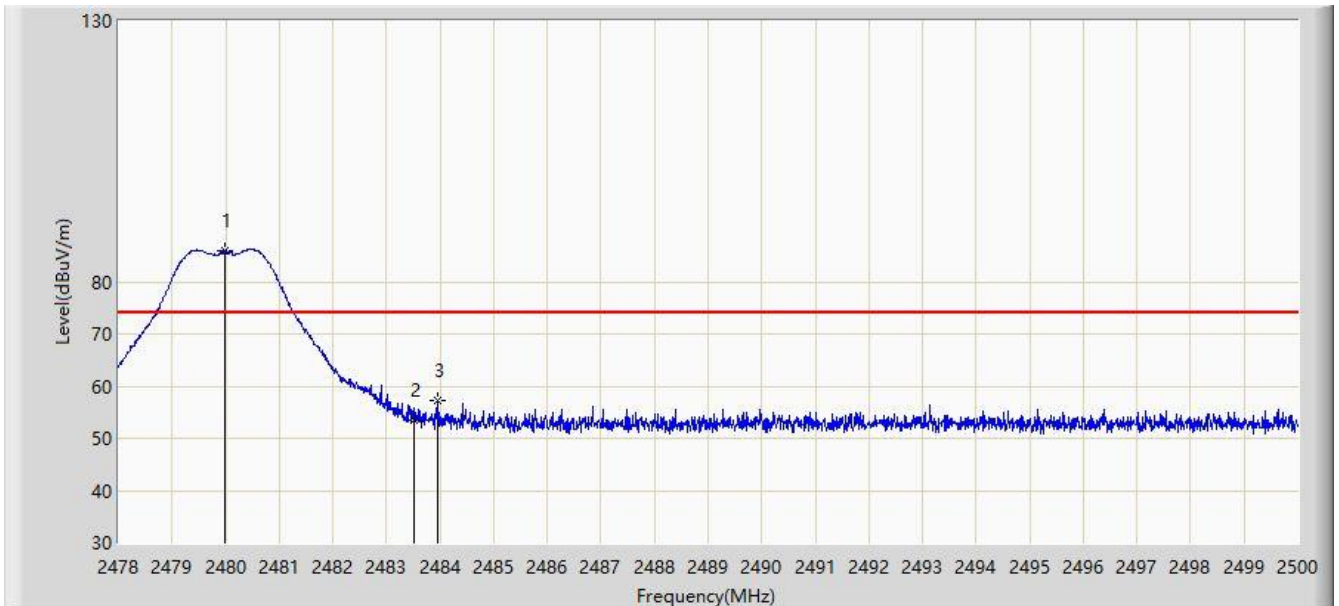
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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

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

Filter 6#

Site: WZ-AC2	Time: 2023/12/26 - 15:56
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		2479.991	86.072	54.373	N/A	N/A	N/A	31.699	PK
		2479.991	66.072	54.373	N/A	-20.00	N/A	31.699	AV
2		2483.500	53.523	21.826	-2.457	N/A	74.000	31.696	PK
		2483.500	33.523	21.826	-2.457	-20.00	54.000	31.696	AV
3	*	2483.962	57.279	25.582	-2.195	N/A	74.000	31.697	PK
		2483.962	37.279	25.582	-2.195	-20.00	54.000	31.697	AV

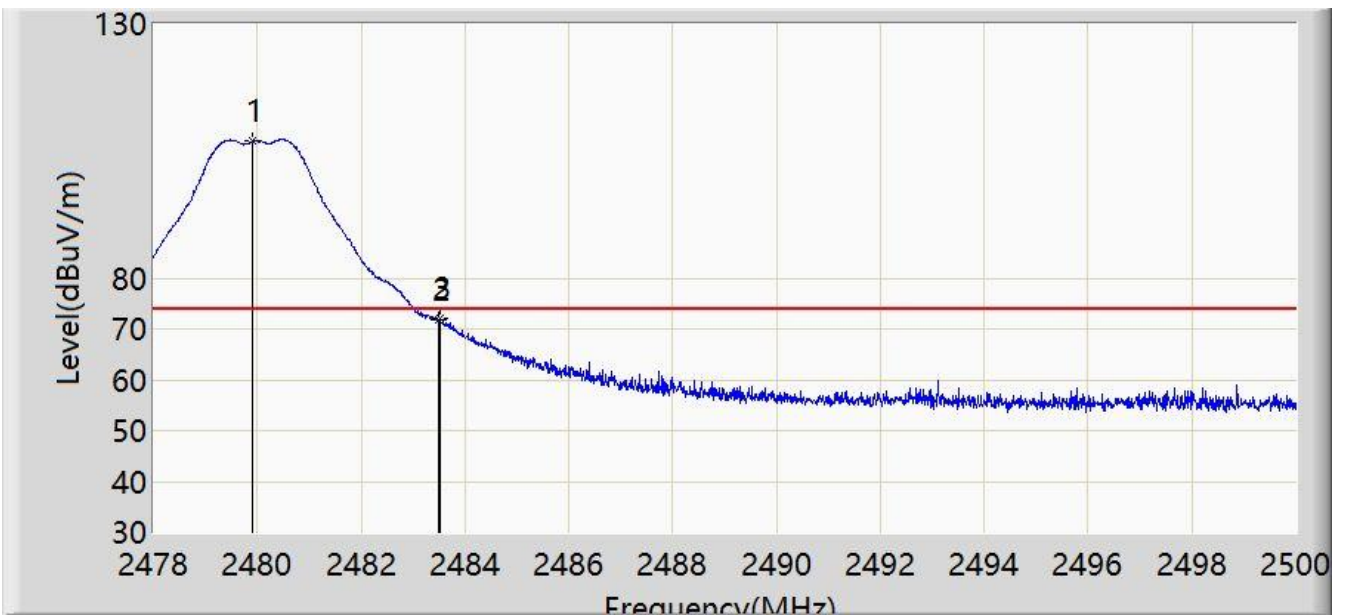
Note 1: " * ", means this data is the worst emission level.

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

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

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

Site: WZ-AC2	Time: 2023/12/26 - 15:58
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		2479.914	106.881	75.182	N/A	N/A	N/A	31.699	PK
		2479.914	106.881	75.182	N/A	-20.00	N/A	31.699	AV
2		2483.500	71.682	39.985	-2.318	N/A	74.000	31.696	PK
		2483.500	71.682	39.985	-2.318	-20.00	54.000	31.696	AV
3	*	2483.522	72.159	40.462	-1.841	N/A	74.000	31.696	PK
		2483.522	72.159	40.462	-1.841	-20.00	54.000	31.696	AV

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

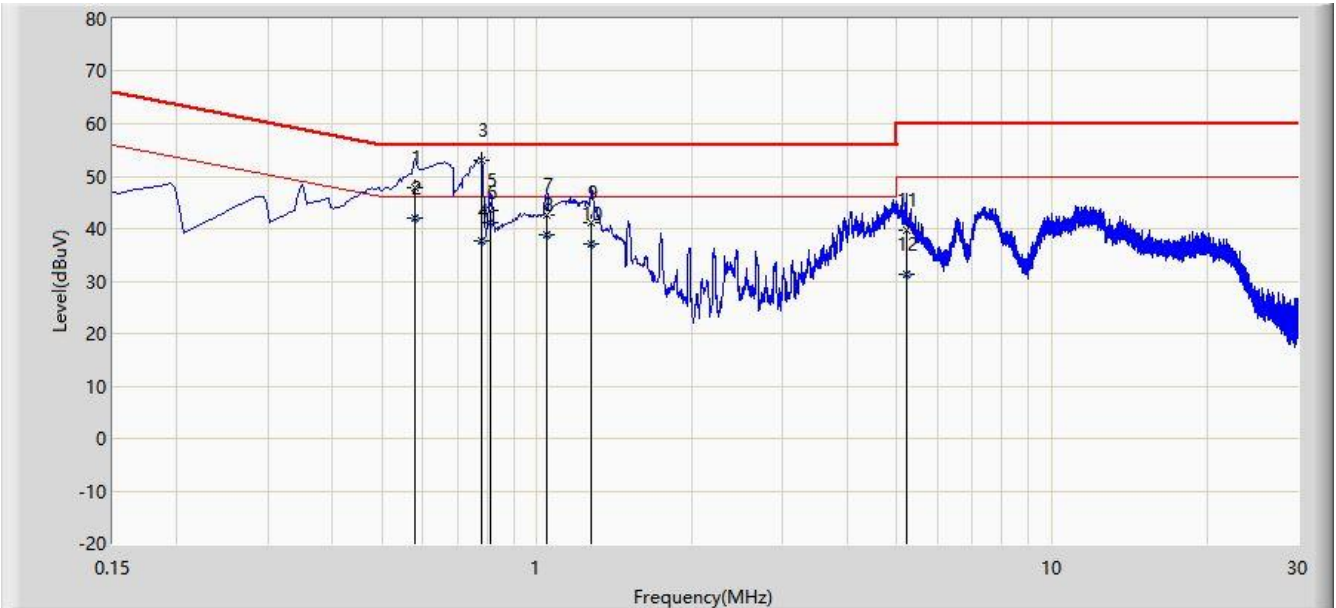
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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.

8. AC Conducted Emissions Test Result

Site: WZ-SR2	Time: 2023/12/21 - 10:37
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	



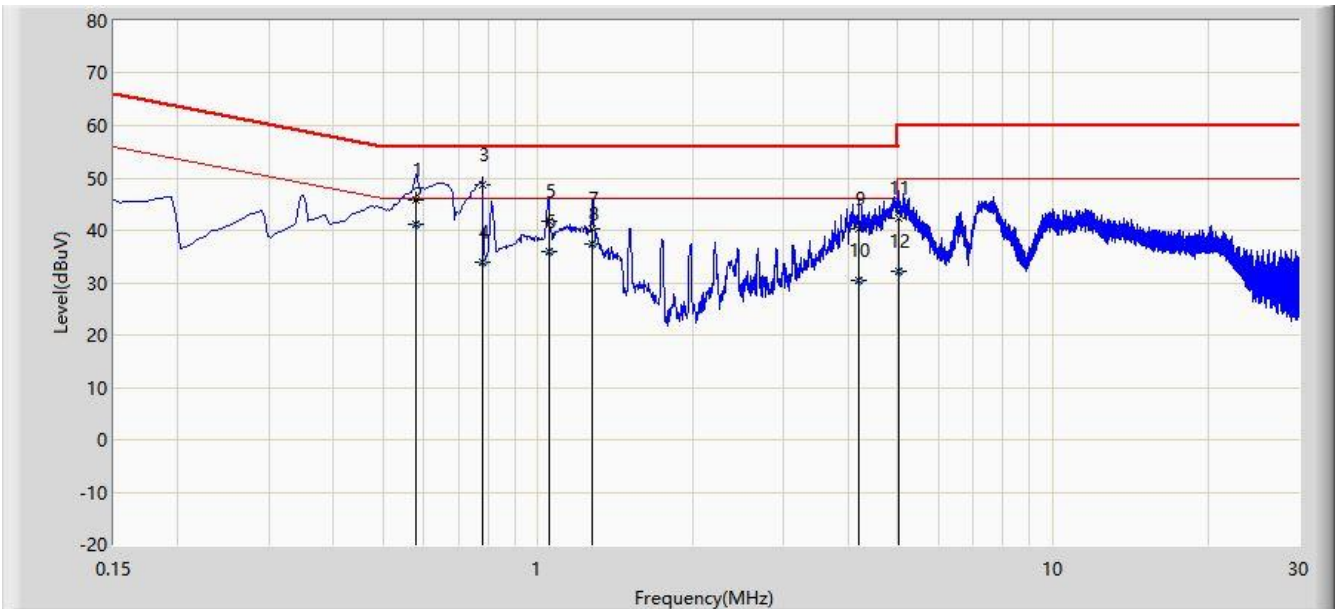
No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.578	47.961	38.084	-8.039	56.000	9.877	QP
2		0.578	42.098	32.221	-3.902	46.000	9.877	AV
3	*	0.782	53.042	43.063	-2.958	56.000	9.978	QP
4		0.782	37.660	27.681	-8.340	46.000	9.978	AV
5		0.814	43.483	33.488	-12.517	56.000	9.995	QP
6		0.814	41.286	31.291	-4.714	46.000	9.995	AV
7		1.042	42.613	32.532	-13.387	56.000	10.080	QP
8		1.042	38.760	28.679	-7.240	46.000	10.080	AV
9		1.278	41.289	31.206	-14.711	56.000	10.083	QP
10		1.278	37.086	27.003	-8.914	46.000	10.083	AV
11		5.206	39.829	29.643	-20.171	60.000	10.186	QP
12		5.206	31.172	20.986	-18.828	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).

Site: WZ-SR2	Time: 2023/12/21 - 10:50
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		0.578	45.772	35.905	-10.228	56.000	9.867	QP
2	*	0.578	41.255	31.389	-4.745	46.000	9.867	AV
3		0.778	48.770	38.802	-7.230	56.000	9.968	QP
4		0.778	34.047	24.079	-11.953	46.000	9.968	AV
5		1.050	41.849	31.778	-14.151	56.000	10.071	QP
6		1.050	35.904	25.833	-10.096	46.000	10.071	AV
7		1.278	40.256	30.183	-15.744	56.000	10.073	QP
8		1.278	37.406	27.333	-8.594	46.000	10.073	AV
9		4.194	40.145	30.003	-15.855	56.000	10.142	QP
10		4.194	30.355	20.213	-15.645	46.000	10.142	AV
11		5.034	42.398	32.237	-17.602	60.000	10.161	QP
12		5.034	32.213	22.052	-17.787	50.000	10.161	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).