

Annex B

ZigBee Test Result

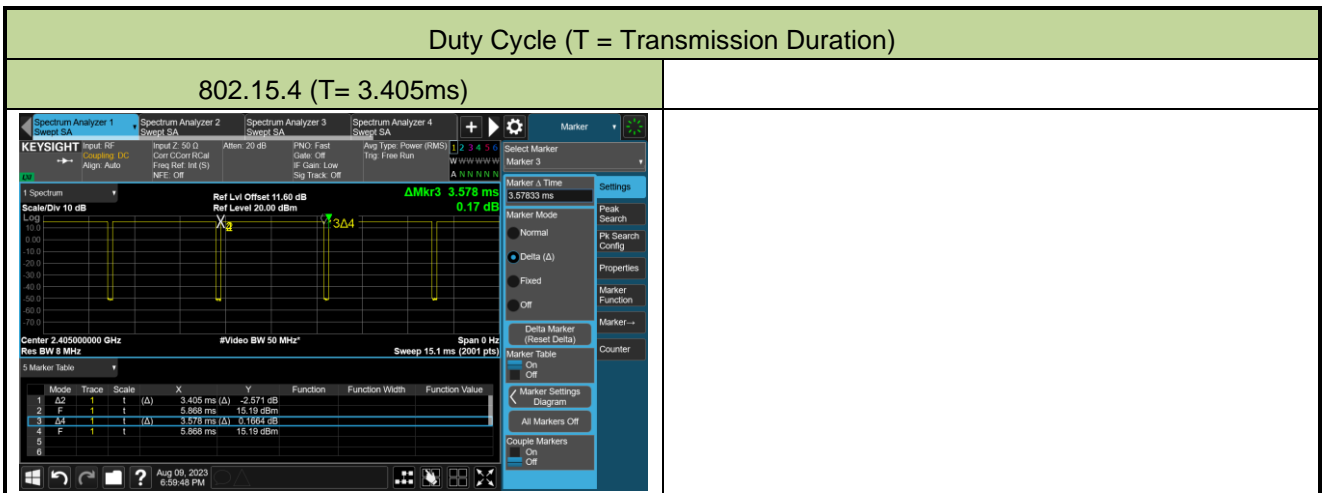
Model No.: APEX0677

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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.

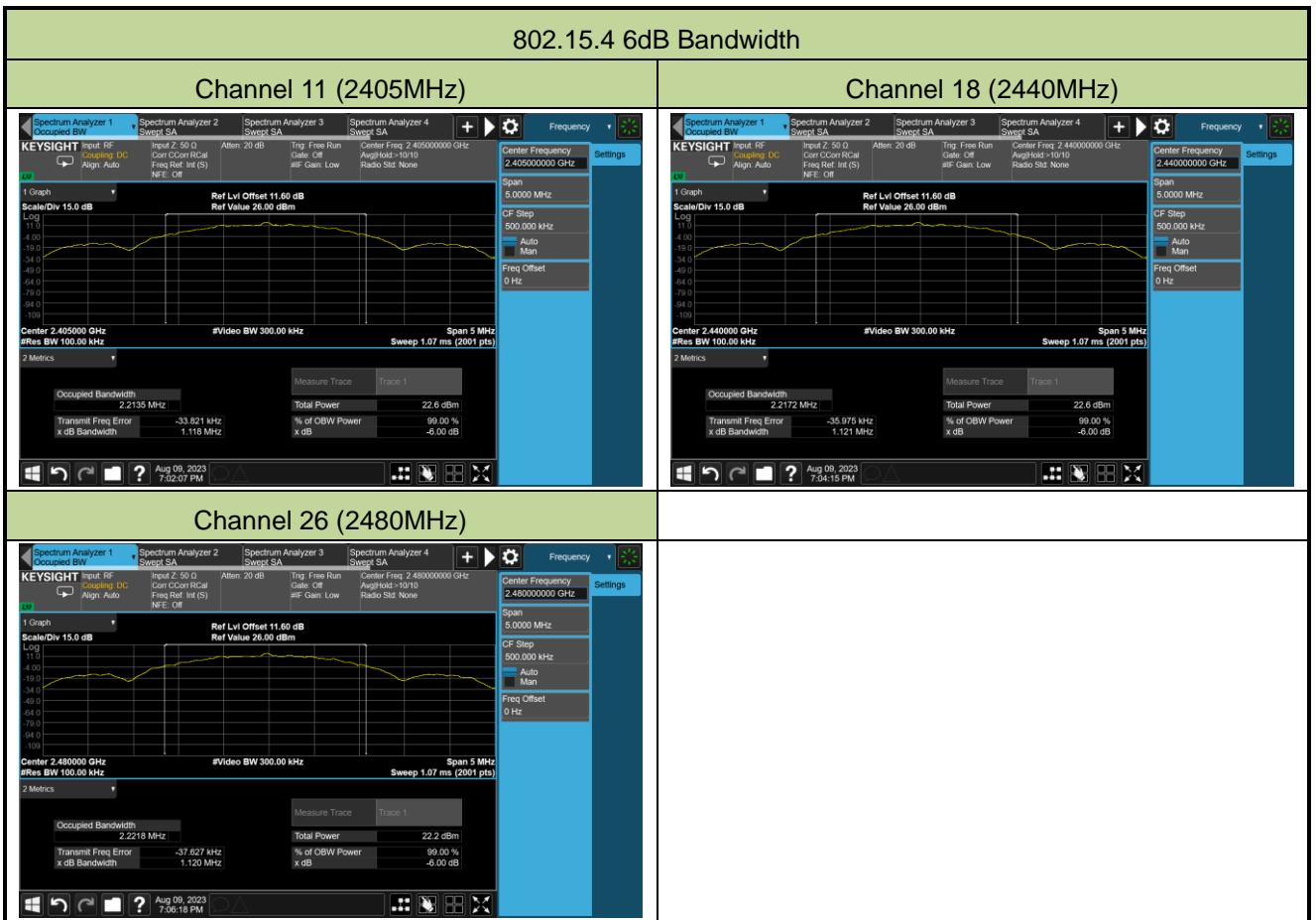
Note 2: The manufacturer, declared that the ZigBee normal operation, when implemented, will be limited to a max duty cycle of 10% or less in any 100ms period. So -20dB correction factor was used during peak and average band edge testing.



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	11.23	≤ 30.00	Pass
802.15.4	O-QPSK	18	2440	10.70	≤ 30.00	Pass
802.15.4	O-QPSK	26	2480	9.63	≤ 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	11.15	≤ 30.00	Pass
802.15.4	O-QPSK	18	2440	10.62	≤ 30.00	Pass
802.15.4	O-QPSK	26	2480	9.38	≤ 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	9.31	≤ 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	9.20	≤ 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	7.85	≤ 30.00	Pass

Test Result of Average Output Power (Reporting Only)

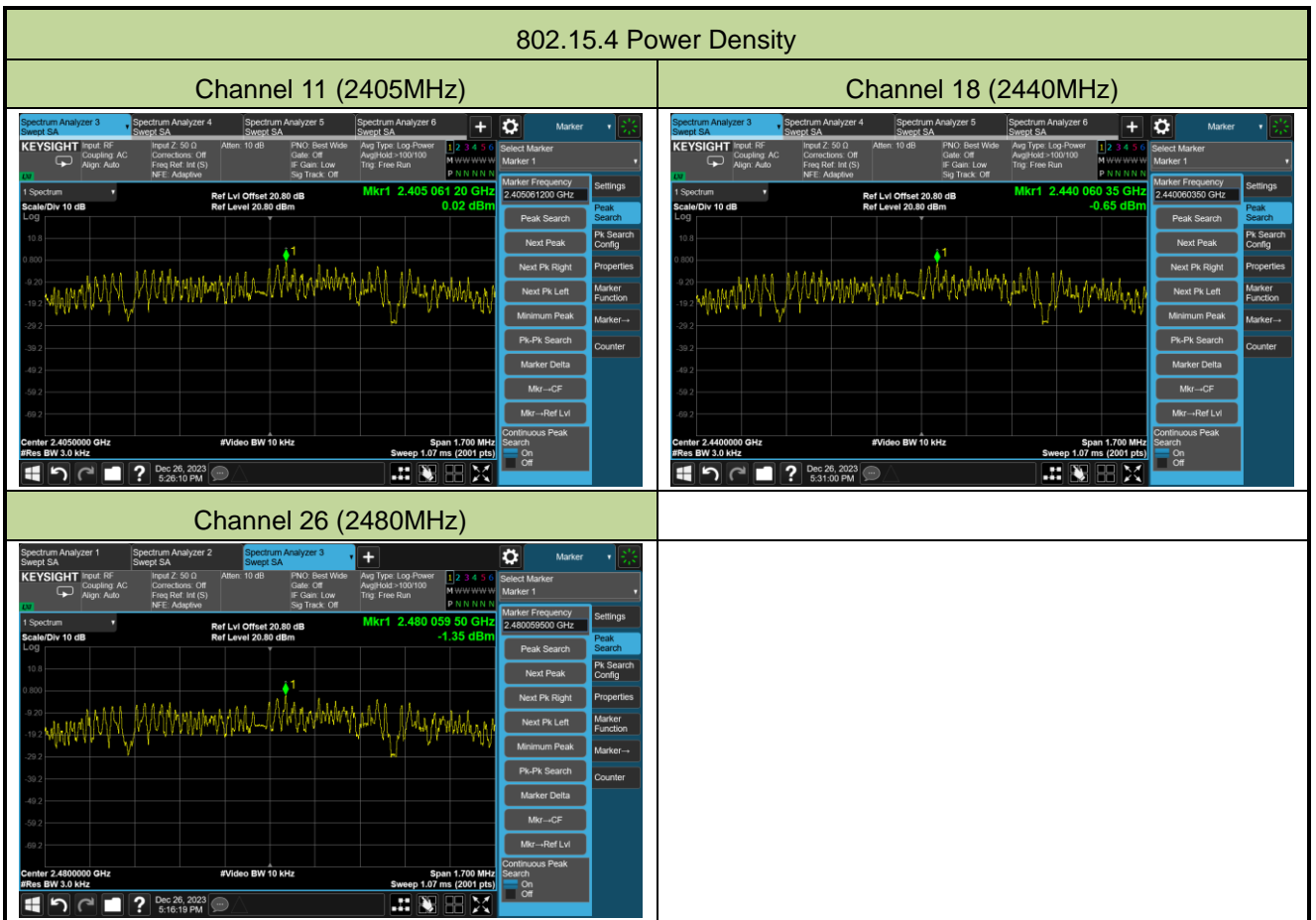
Test Mode	Modulation Mode	Channel No.	Freq. (MHz)	Average Power (dBm)	Limit (dBm)	Result
802.15.4	O-QPSK	26	2480	7.70	≤ 30.00	Pass



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	0.02	≤ 8.00	Pass
802.15.4	O-QPSK	18	2440	-0.65	≤ 8.00	Pass
802.15.4	O-QPSK	26	2480	-1.35	≤ 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#

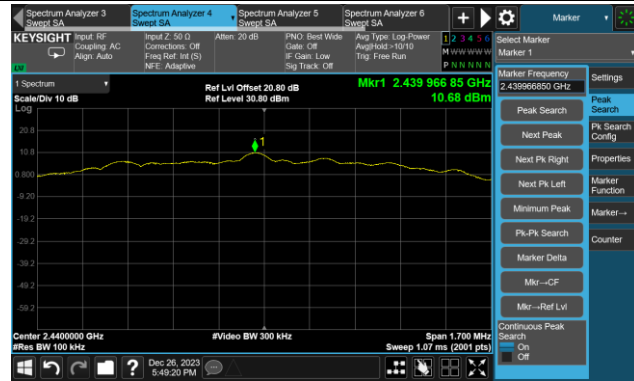
Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.15.4	O-QPSK	11	2405	20	Pass
802.15.4	O-QPSK	18	2440	20	Pass
802.15.4	O-QPSK	26	2480	20	Pass

802.15.4 Out-of-Band Emissions
Channel 11 (2405MHz)

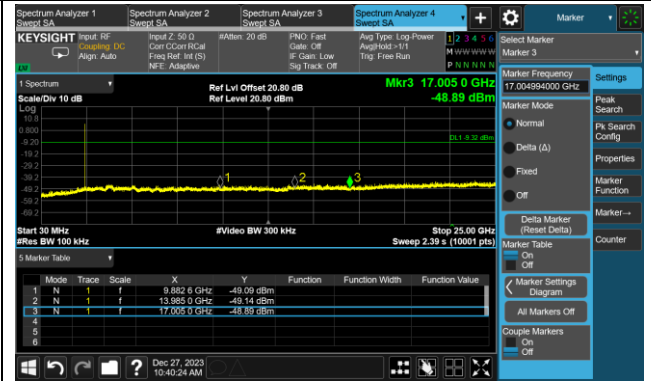
100kHz PSD Reference Level	Low Band Edge
<div style="text-align: center; background-color: #d9ead3; padding: 5px;"> Spurious Emission </div>	

Channel 18 (2440MHz)

100kHz PSD Reference Level

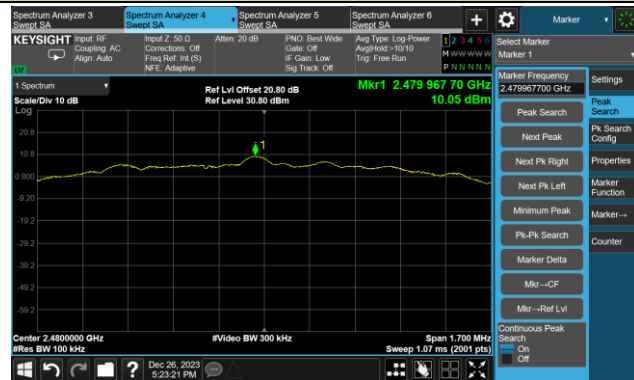


Spurious Emission

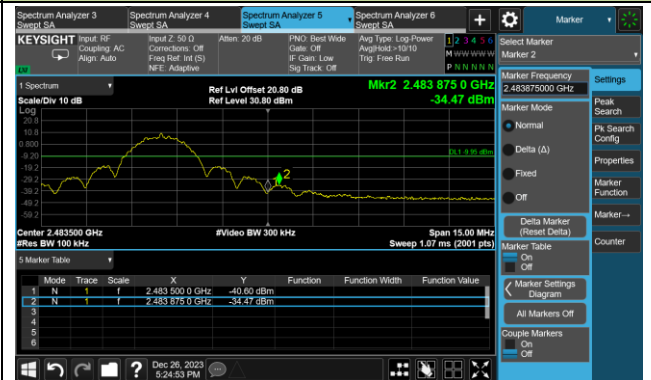


Channel 26 (2480MHz)

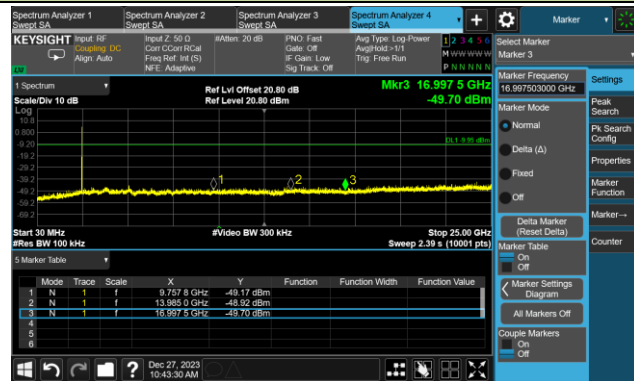
100kHz PSD Reference Level



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

Center 2.405000 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Sweep 1.07 ms (2001 pts)

Low Band Edge

Center 2.400000 GHz
#Res BW 100 kHz
#Video BW 300 kHz
Sweep 1.47 ms (2001 pts)

Spurious Emission

Start 30 MHz
#Res BW 100 kHz
#Video BW 300 kHz
Sweep 2.39 s (10001 pts)



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

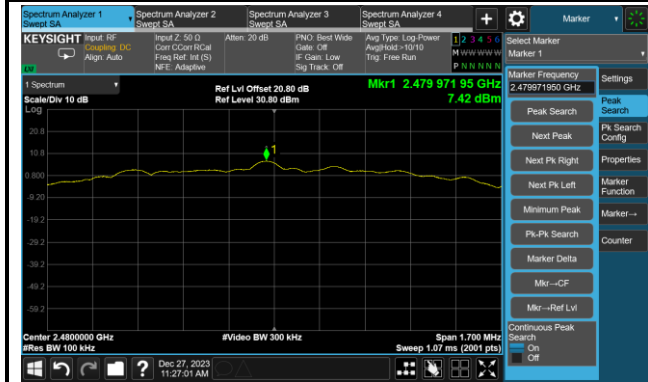
Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.15.4	O-QPSK	26	2480	20	Pass

802.15.4 Out-of-Band Emissions

Channel 26 (2480MHz)

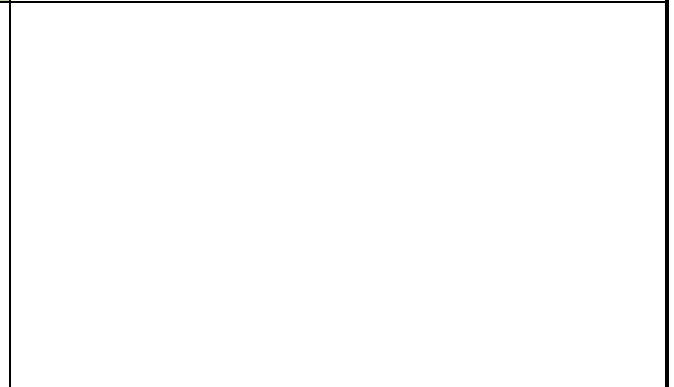
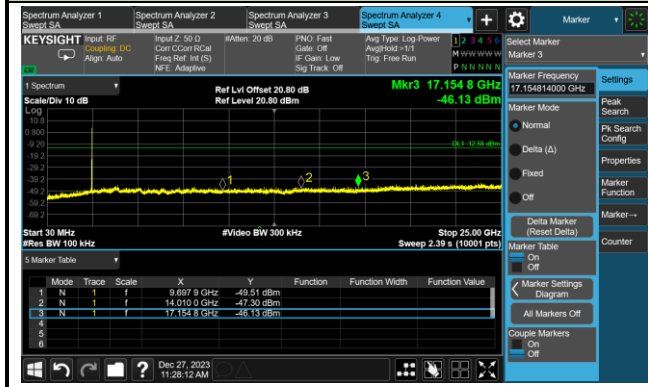
100kHz PSD Reference Level

High Band Edge



Spurious Emission

Spurious Emission



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	7647.0	32.4	11.4	43.9	74.0	-30.1	Peak	Horizontal
	8208.0	31.7	11.3	43.0	74.0	-31.0	Peak	Horizontal
	12033.0	31.3	17.0	48.2	74.0	-25.8	Peak	Horizontal
	7647.0	31.6	11.4	43.0	74.0	-31.0	Peak	Vertical
	8165.5	30.0	11.5	41.5	74.0	-32.5	Peak	Vertical
	11650.5	30.6	17.8	48.5	74.0	-25.5	Peak	Vertical
18	7477.0	30.4	12.1	42.6	74.0	-31.4	Peak	Horizontal
	8429.0	30.5	11.5	42.0	74.0	-32.0	Peak	Horizontal
	11497.5	29.8	17.6	47.4	74.0	-26.6	Peak	Horizontal
	7468.5	29.3	12.1	41.4	74.0	-32.6	Peak	Vertical
	8165.5	29.8	11.5	41.3	74.0	-32.7	Peak	Vertical
	11565.5	30.7	17.8	48.4	74.0	-25.6	Peak	Vertical
26	7536.5	32.1	11.9	44.0	74.0	-30.0	Peak	Horizontal
	8174.0	31.3	11.5	42.8	74.0	-31.2	Peak	Horizontal
	11625.0	30.8	17.6	48.4	74.0	-25.6	Peak	Horizontal
	7647.0	30.3	11.4	41.7	74.0	-32.3	Peak	Vertical
	8386.5	30.1	11.2	41.3	74.0	-32.7	Peak	Vertical
	11565.5	30.2	17.8	48.0	74.0	-26.0	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	7545.0	32.4	12.0	44.5	74.0	-29.5	Peak	Horizontal
	8276.0	31.0	11.2	42.2	74.0	-31.8	Peak	Horizontal
	11965.0	32.1	17.2	49.3	74.0	-24.7	Peak	Horizontal
	7638.5	31.9	11.5	43.5	74.0	-30.5	Peak	Vertical
	8301.5	33.0	10.9	44.0	74.0	-30.0	Peak	Vertical
	11565.5	31.6	17.8	49.4	74.0	-24.6	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)



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.		

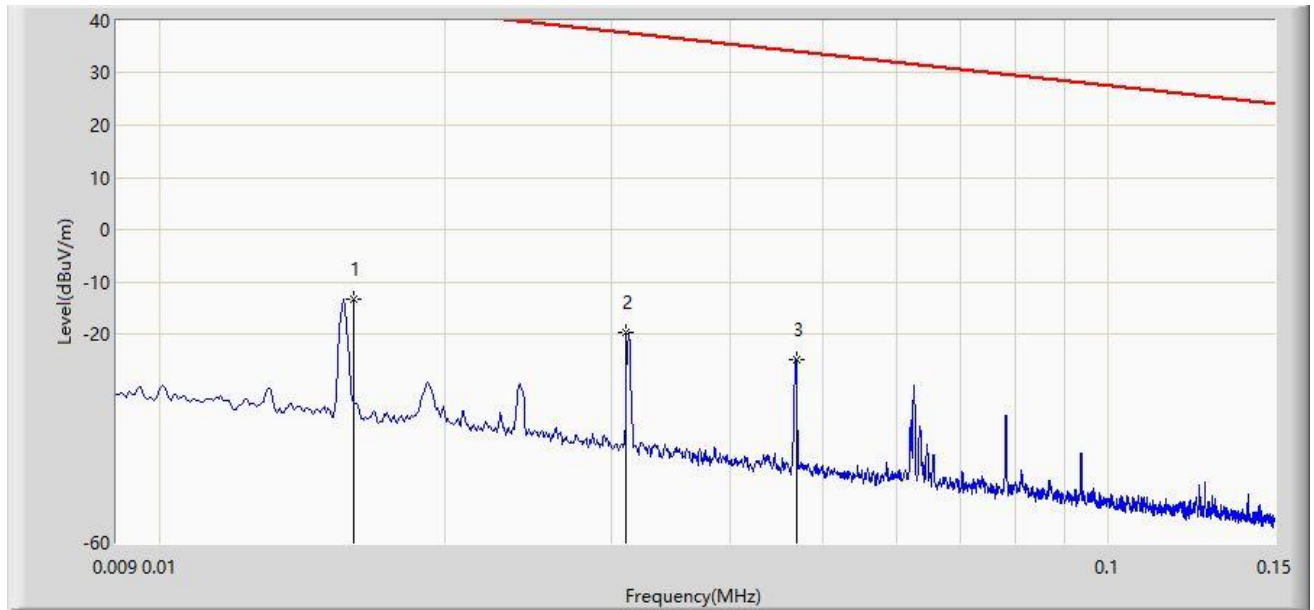
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
26	7477.0	31.9	12.1	44.0	74.0	-30.0	Peak	Horizontal
	8165.5	30.1	11.5	41.6	74.0	-32.4	Peak	Horizontal
	11446.5	31.6	17.3	48.9	74.0	-25.1	Peak	Horizontal
	7502.5	29.1	12.0	41.1	74.0	-32.9	Peak	Vertical
	8276.0	29.7	11.2	40.9	74.0	-33.1	Peak	Vertical
	11174.5	30.6	17.0	47.6	74.0	-26.4	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)

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	-13.255	66.709	-56.761	43.505	-79.964	PK
2		0.031	-19.648	60.313	-57.411	37.764	-79.961	PK
3		0.047	-24.915	55.042	-59.066	34.151	-79.957	PK

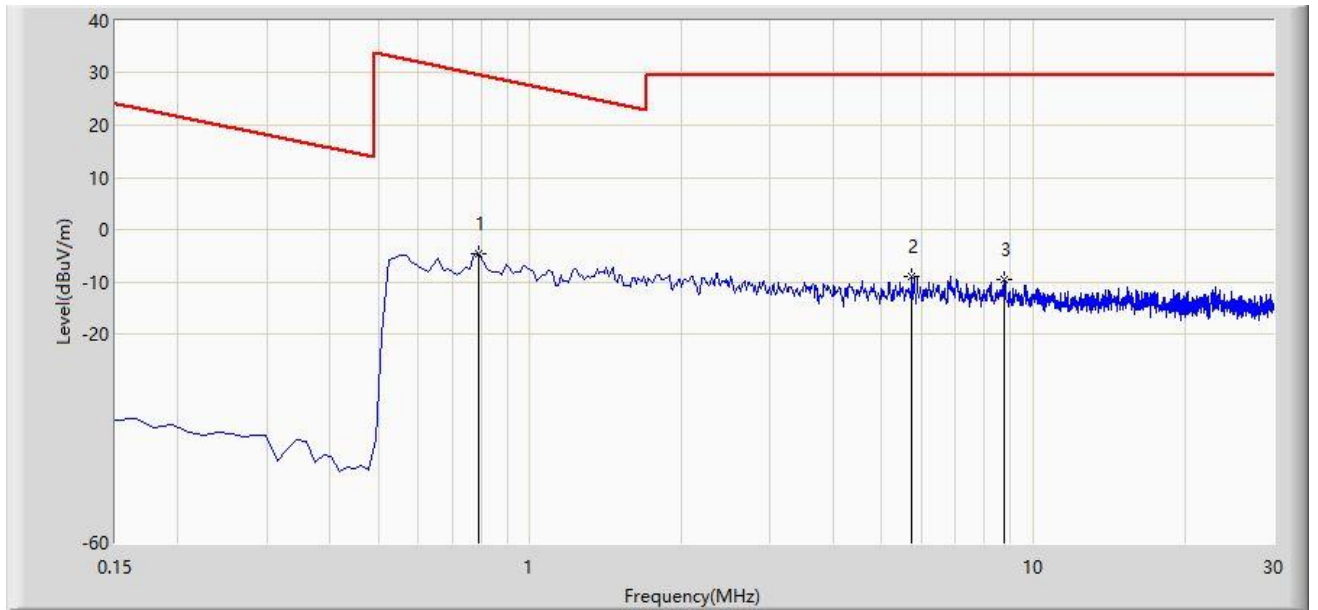
Note 1: " * ", means this data is the worst emission level.

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	*	0.792	-4.650	35.178	-34.291	29.641	-39.828	PK
2		5.732	-8.899	30.816	-38.399	29.500	-39.715	PK
3		8.777	-9.648	30.026	-39.148	29.500	-39.674	PK

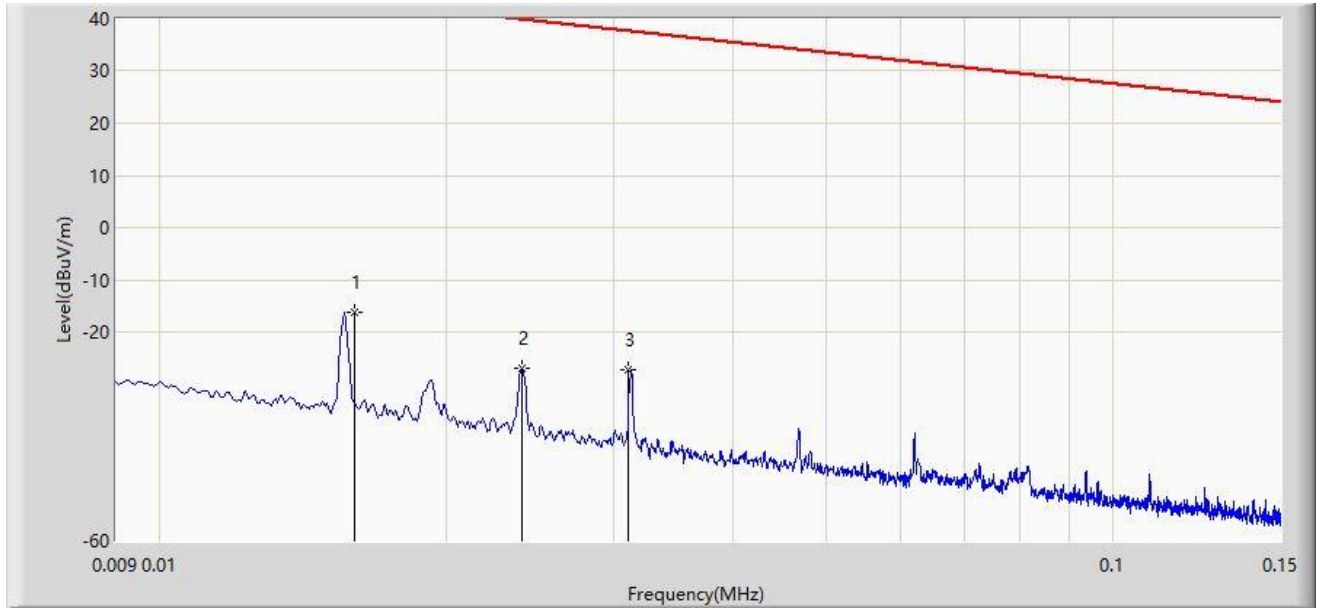
Note 1: " * ", means this data is the worst emission level.

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	-16.256	63.708	-59.762	43.505	-79.964	PK
2		0.024	-26.962	53.000	-66.948	39.985	-79.962	PK
3		0.031	-27.346	52.615	-65.109	37.764	-79.961	PK

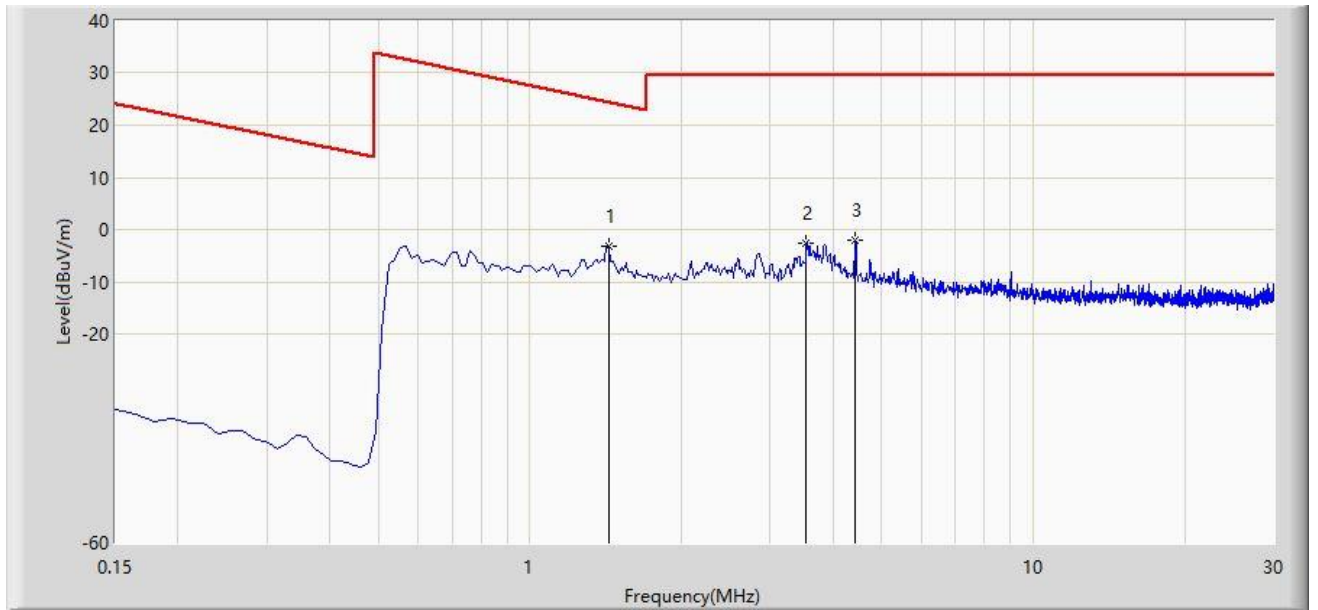
Note 1: " * ", means this data is the worst emission level.

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	*	1.434	-3.252	36.545	-27.751	24.499	-39.797	PK
2		3.538	-2.561	37.205	-32.061	29.500	-39.766	PK
3		4.433	-2.083	37.656	-31.583	29.500	-39.739	PK

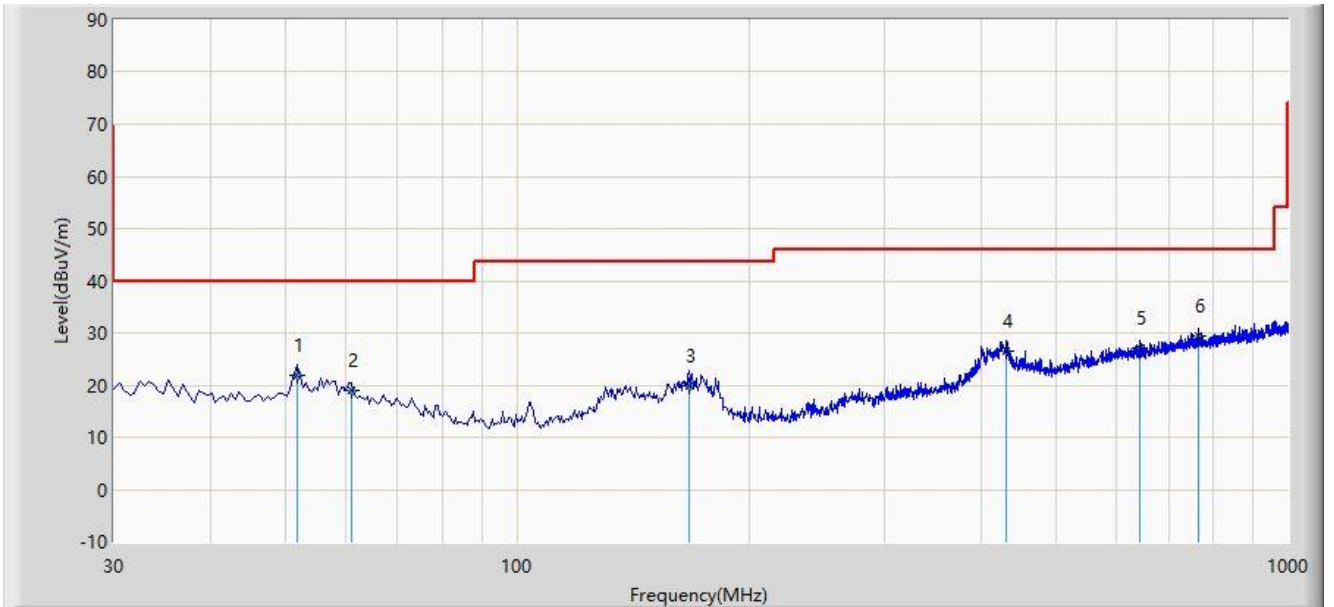
Note 1: " * ", means this data is the worst emission level.

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	21.784	3.210	-18.216	40.000	18.574	QP
2		61.043	18.980	1.140	-21.020	40.000	17.840	QP
3		167.255	19.711	1.640	-23.789	43.500	18.071	QP
4		431.095	26.464	4.540	-19.536	46.000	21.924	QP
5		643.525	27.145	1.140	-18.855	46.000	26.005	QP
6	*	765.745	29.320	1.210	-16.680	46.000	28.110	QP

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

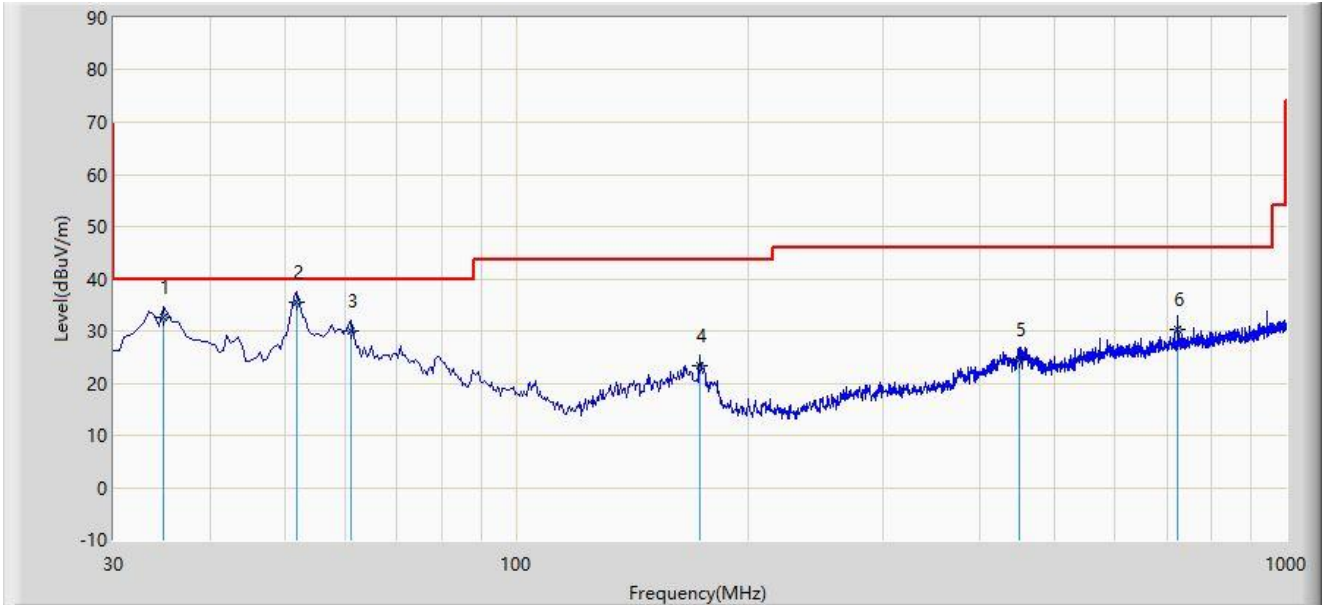
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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		34.850	32.726	15.240	-7.274	40.000	17.487	QP
2	*	51.825	35.414	16.840	-4.586	40.000	18.574	QP
3		61.040	29.980	12.140	-10.020	40.000	17.840	QP
4		173.560	23.257	5.640	-20.243	43.500	17.617	QP
5		450.010	24.567	2.140	-21.433	46.000	22.428	QP
6		722.095	30.345	3.270	-15.655	46.000	27.076	QP

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

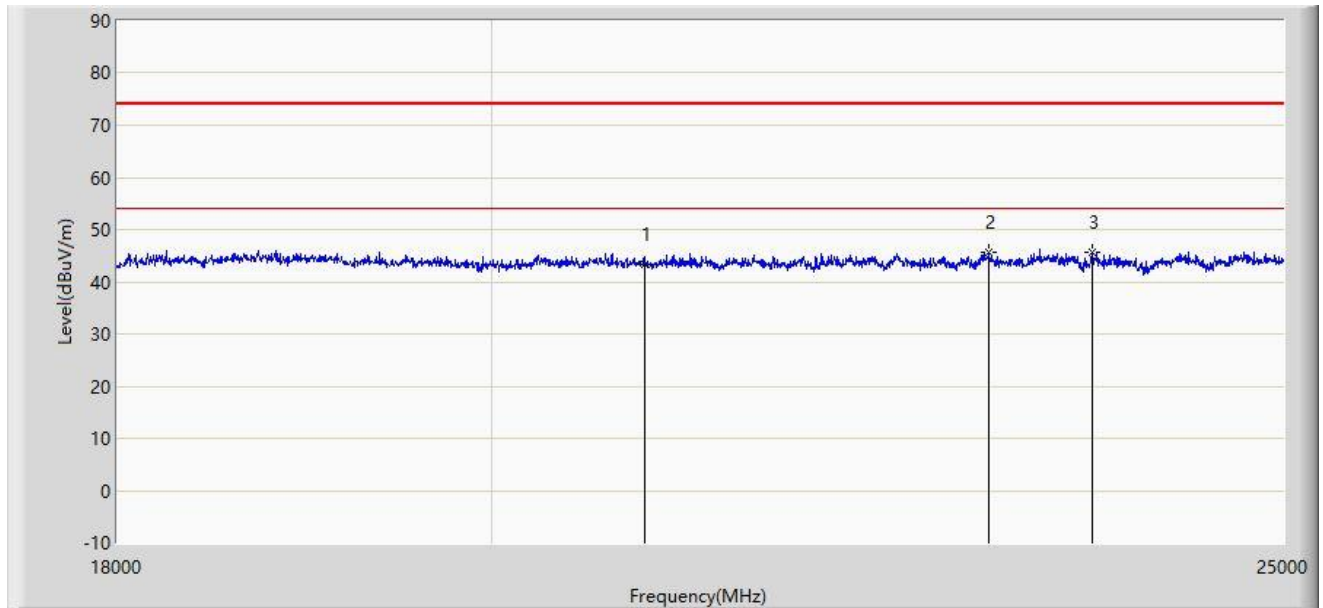
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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		20884.000	43.402	52.905	-30.598	74.000	-9.504	PK
2	*	23012.000	45.612	52.566	-28.388	74.000	-6.954	PK
3		23691.000	45.525	53.045	-28.475	74.000	-7.521	PK

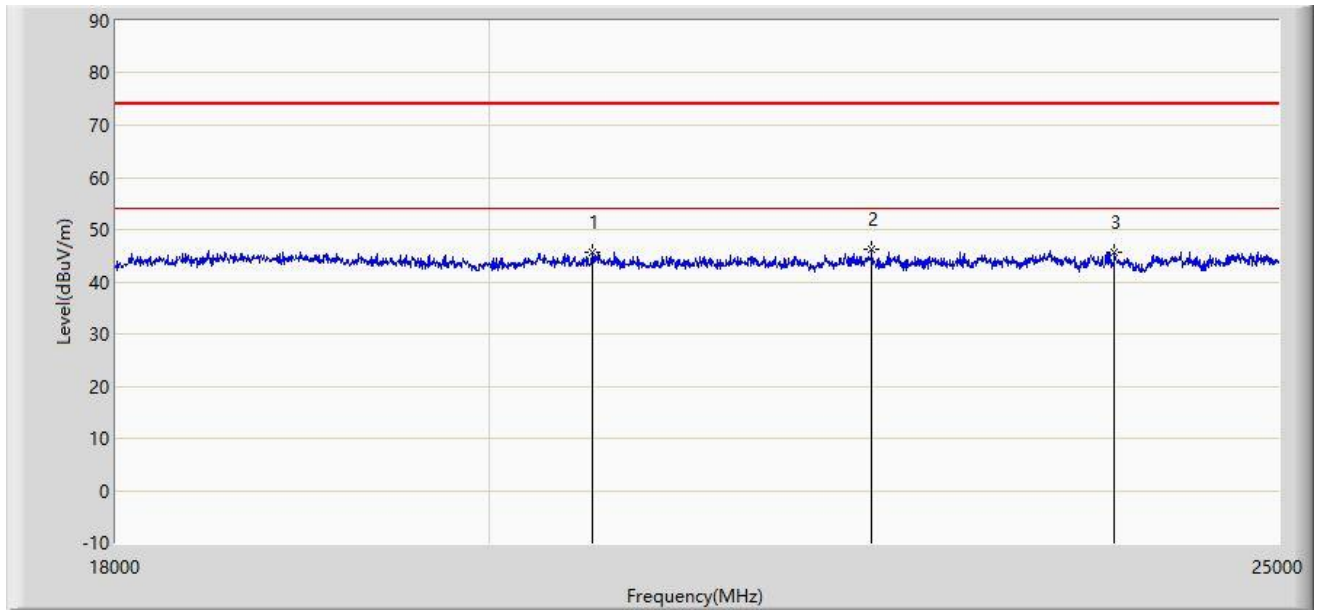
Note 1: " * ", means this data is the worst emission level.

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		20597.000	45.793	55.147	-28.207	74.000	-9.353	PK
2	*	22284.000	46.215	53.884	-27.785	74.000	-7.669	PK
3		23866.000	45.568	52.455	-28.432	74.000	-6.887	PK

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

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

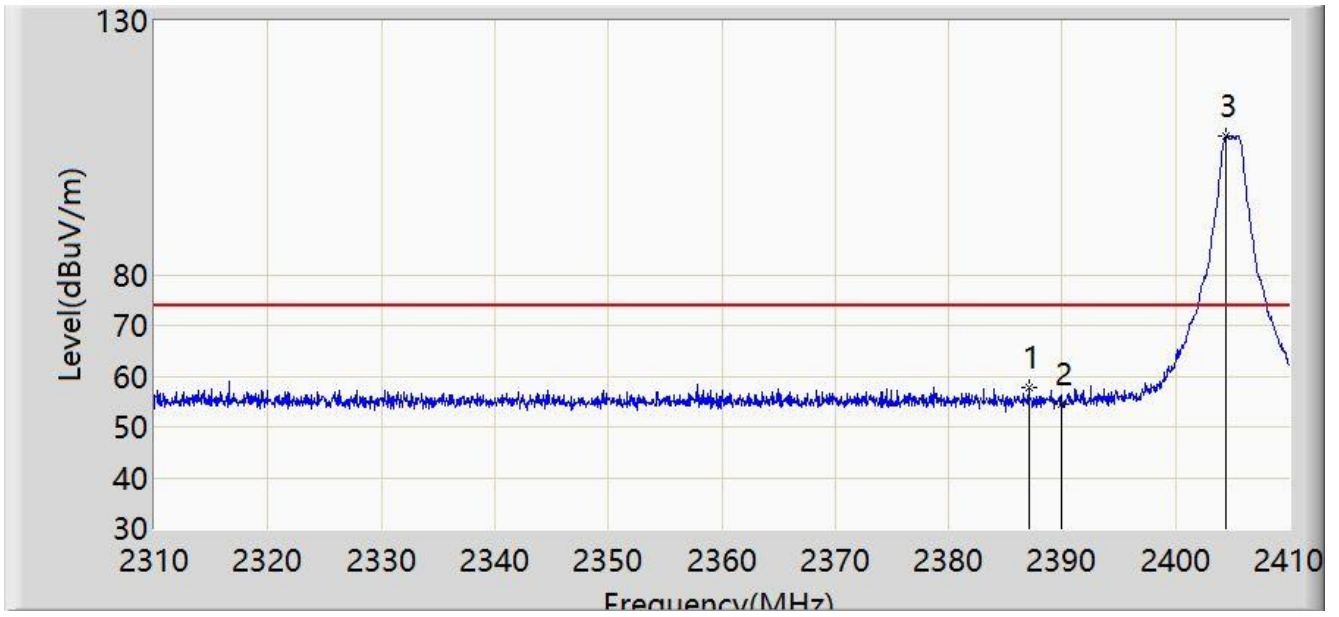
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

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 - 13:19
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	*	2387.050	57.795	25.925	-16.205	N/A	74.000	31.870	PK
		2387.050	37.795	25.925	-16.205	-20.00	54.000	31.870	AV
2		2390.000	54.379	22.526	-19.621	N/A	74.000	31.853	PK
		2390.000	34.379	22.526	-19.621	-20.00	54.000	31.853	AV
3		2404.400	107.310	75.534	N/A	N/A	N/A	31.776	PK
		2404.400	87.310	75.534	N/A	-20.00	N/A	31.776	AV

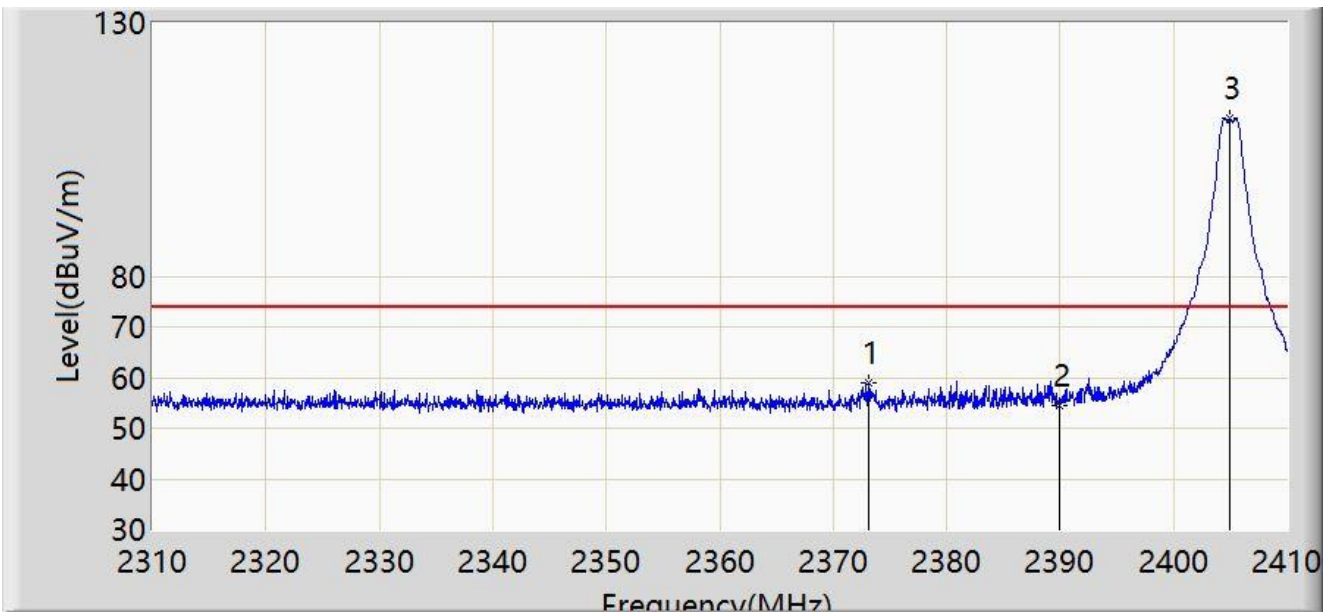
Note 1: " * ", means this data is the worst emission level.

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 - 13:26
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	*	2373.150	58.938	27.030	-15.062	N/A	74.000	31.908	PK
		2373.150	38.938	27.030	-15.062	-20.00	54.000	31.908	AV
2		2390.000	54.506	22.653	-19.494	N/A	74.000	31.853	PK
		2390.000	34.506	22.653	-19.494	-20.00	54.000	31.853	AV
3		2405.000	111.081	79.307	N/A	N/A	N/A	31.774	PK
		2405.000	91.081	79.307	N/A	-20.00	N/A	31.774	AV

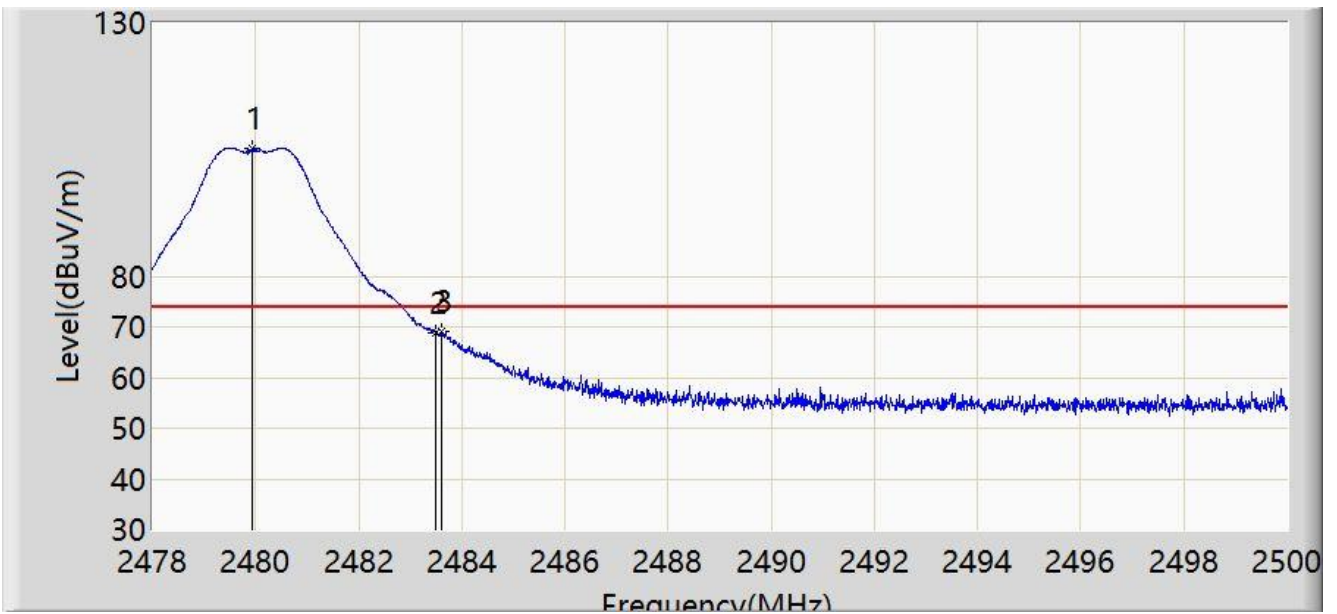
Note 1: " * ", means this data is the worst emission level.

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 - 13:36
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		2479.947	105.100	73.401	N/A	N/A	N/A	31.699	PK
		2479.947	85.100	73.401	N/A	-20.00	N/A	31.699	AV
2		2483.500	68.877	37.180	-5.123	N/A	74.000	31.696	PK
		2483.500	48.877	37.180	-5.123	-20.00	54.000	31.696	AV
3	*	2483.610	69.010	37.313	-4.990	N/A	74.000	31.697	PK
		2483.610	49.010	37.313	-4.990	-20.00	54.000	31.697	AV

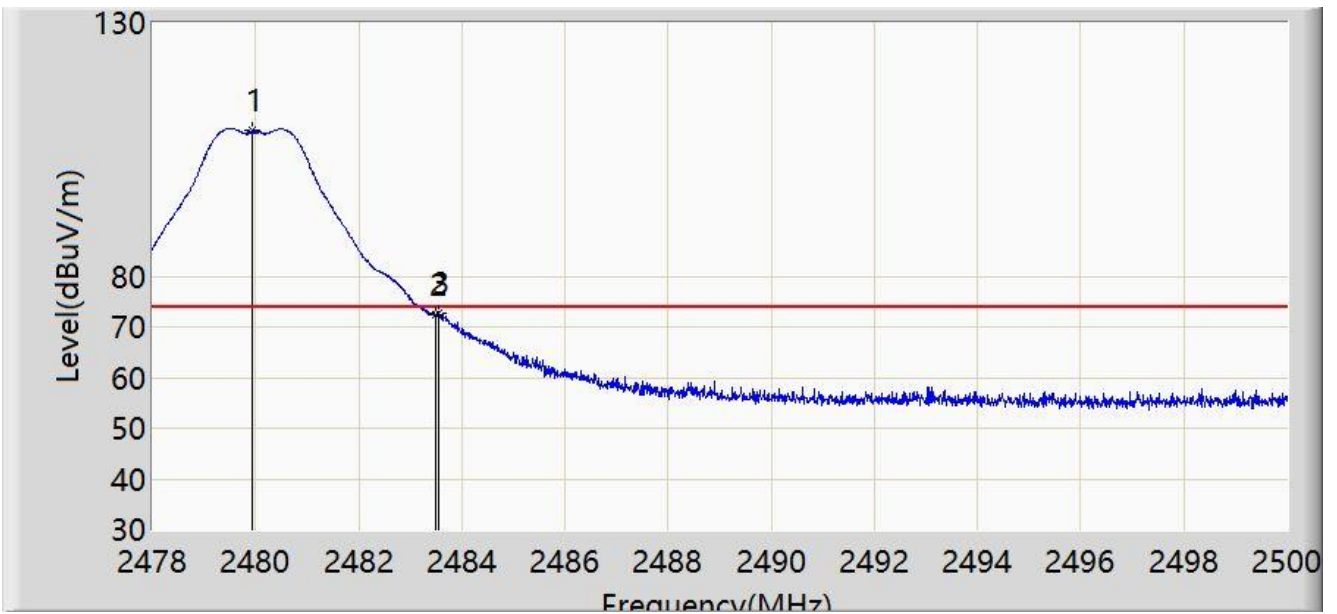
Note 1: " * ", means this data is the worst emission level.

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 - 13:39
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		2479.947	108.772	77.073	N/A	N/A	N/A	31.699	PK
		2479.947	88.772	77.073	N/A	-20.00	N/A	31.699	AV
2		2483.500	72.262	40.565	-1.738	N/A	74.000	31.696	PK
		2483.500	52.262	40.565	-1.738	-20.00	54.000	31.696	AV
3	*	2483.544	72.712	41.015	-1.288	N/A	74.000	31.696	PK
		2483.544	52.712	41.015	-1.288	-20.00	54.000	31.696	AV

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

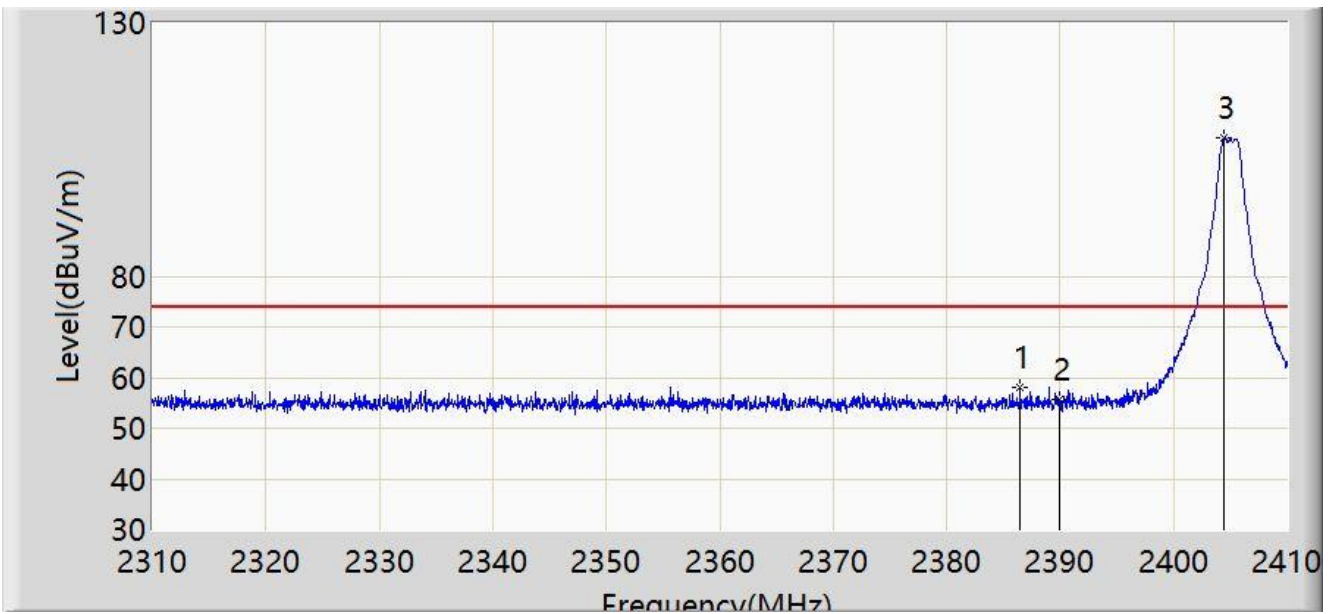
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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.

Filter 5#

Site: WZ-AC2	Time: 2023/12/26 - 13:45
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: By PC
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	*	2386.500	57.992	26.119	-16.008	N/A	74.000	31.873	PK
		2386.500	37.992	26.119	-16.008	-20.00	54.000	31.873	AV
2		2390.000	55.536	23.683	-18.464	N/A	74.000	31.853	PK
		2390.000	35.536	23.683	-18.464	-20.00	54.000	31.853	AV
3		2404.450	107.175	75.399	N/A	N/A	N/A	31.776	PK
		2404.450	87.175	75.399	N/A	-20.00	N/A	31.776	AV

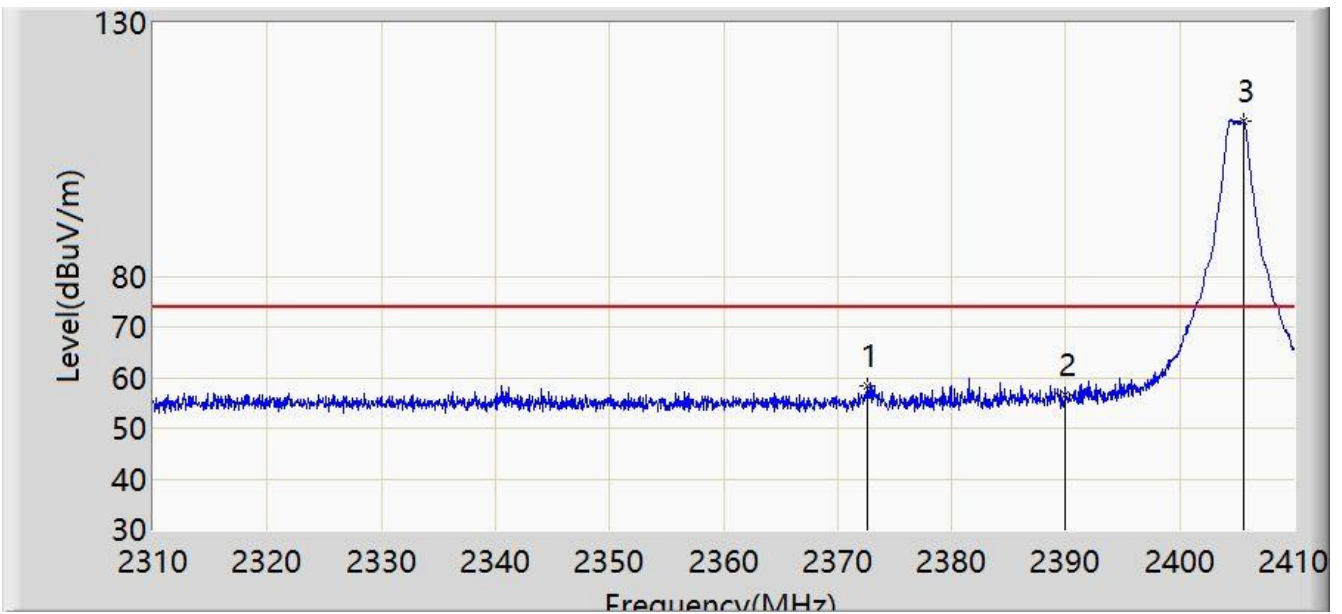
Note 1: " * ", means this data is the worst emission level.

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 - 13:48
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: By PC
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	*	2372.550	58.425	26.515	-15.575	N/A	74.000	31.909	PK
		2372.550	38.425	26.515	-15.575	-20.00	54.000	31.909	AV
2		2390.000	56.438	24.585	-17.562	N/A	74.000	31.853	PK
		2390.000	36.438	24.585	-17.562	-20.00	54.000	31.853	AV
3		2405.600	110.645	78.873	N/A	N/A	N/A	31.772	PK
		2405.600	90.645	78.873	N/A	-20.00	N/A	31.772	AV

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

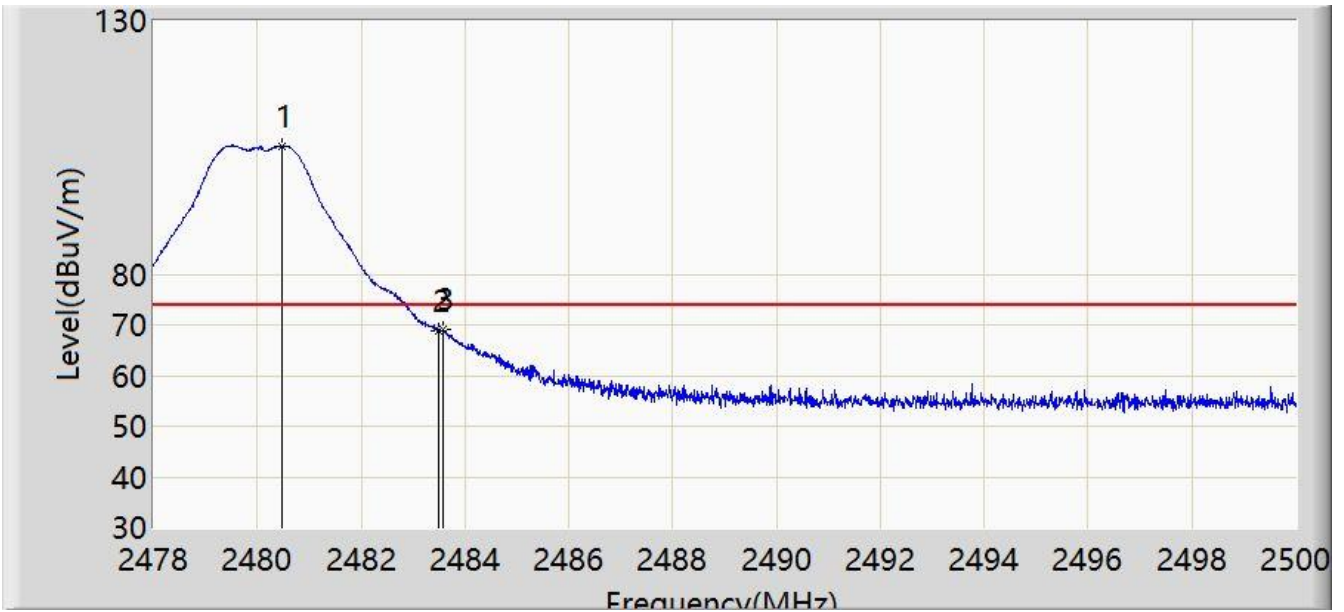
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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 - 13:54
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Horizontal
EUT: ACCESS POINT	Power: By PC
Test Mode: Transmit by ZigBee at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Duty cycle Factor (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.486	105.311	73.612	N/A	N/A	N/A	31.699	PK
		2480.486	85.311	73.612	N/A	-20.00	N/A	31.699	AV
2		2483.500	68.899	37.202	-5.101	N/A	74.000	31.696	PK
		2483.500	48.899	37.202	-5.101	-20.00	54.000	31.696	AV
3	*	2483.577	69.225	37.528	-4.775	N/A	74.000	31.697	PK
		2483.577	49.225	37.528	-4.775	-20.00	54.000	31.697	AV

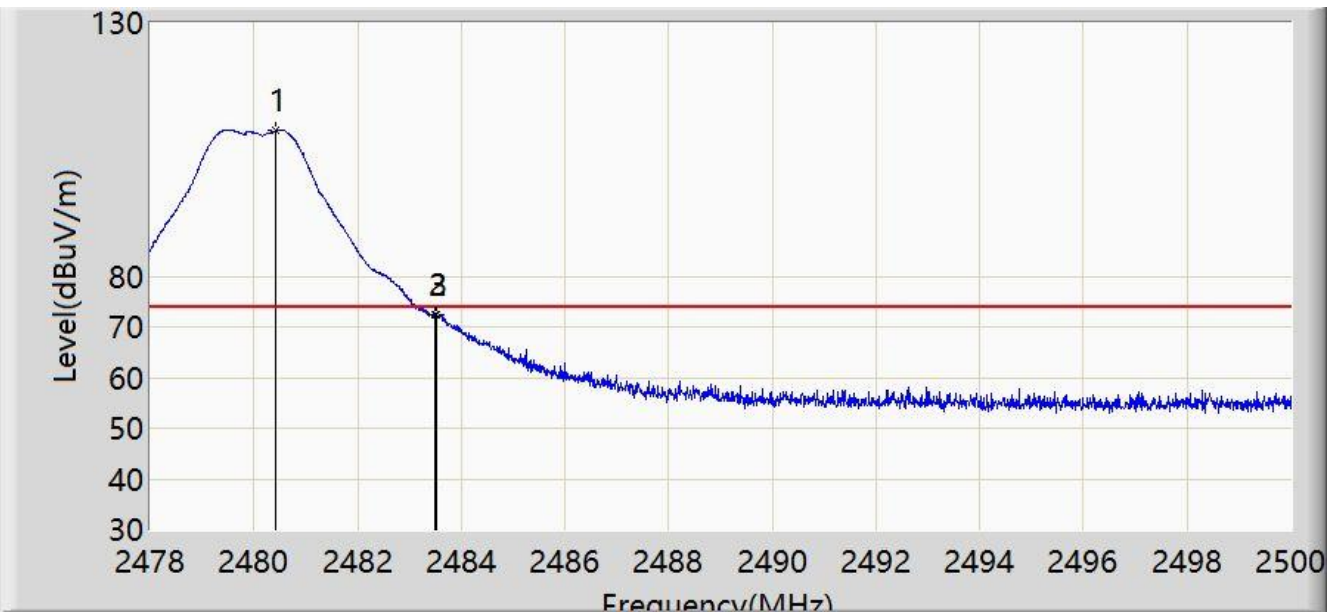
Note 1: " * ", means this data is the worst emission level.

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 - 13:57
Limit: FCC_2.4G_RE(3m)	Engineer: Karl Gao
Probe: BBHA9120D_1457_1-18GHz	Polarity: Vertical
EUT: ACCESS POINT	Power: By PC
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		2480.431	108.738	77.039	N/A	N/A	N/A	31.699	PK
		2480.431	88.738	77.039	N/A	-20.00	N/A	31.699	AV
2	*	2483.500	72.492	40.795	-1.508	N/A	74.000	31.696	PK
		2483.500	52.492	40.795	-1.508	-20.00	54.000	31.696	AV
3		2483.522	72.440	40.743	-1.560	N/A	74.000	31.696	PK
		2483.522	52.440	40.743	-1.560	-20.00	54.000	31.696	AV

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

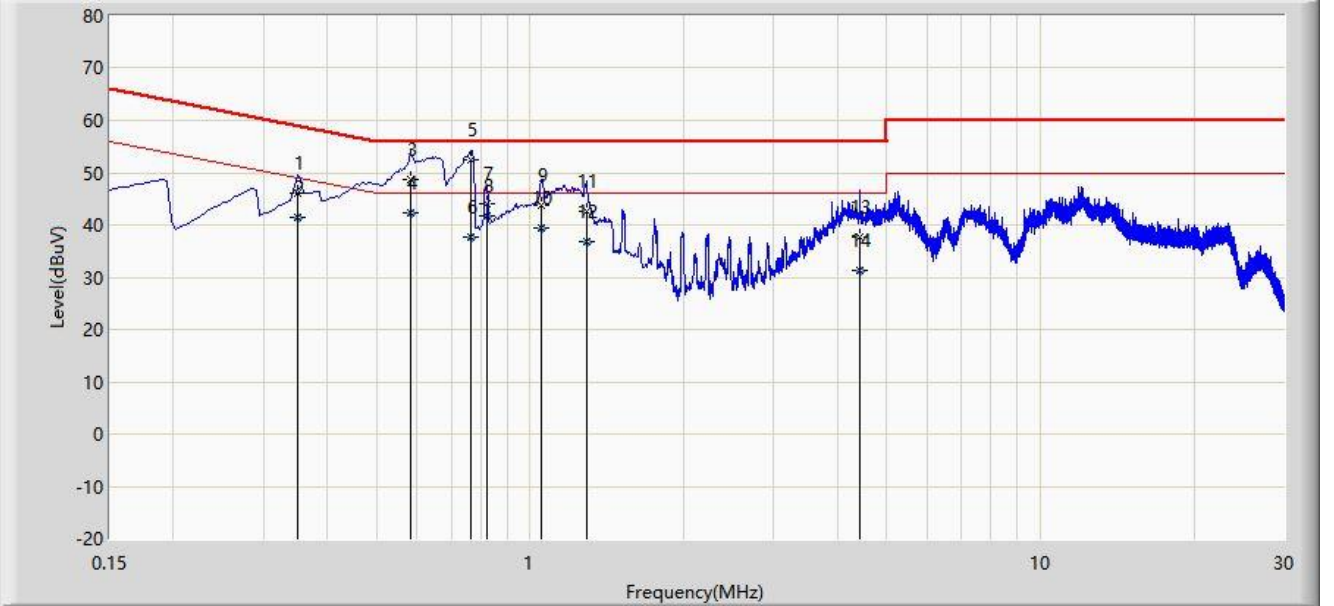
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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 - 15:03
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	



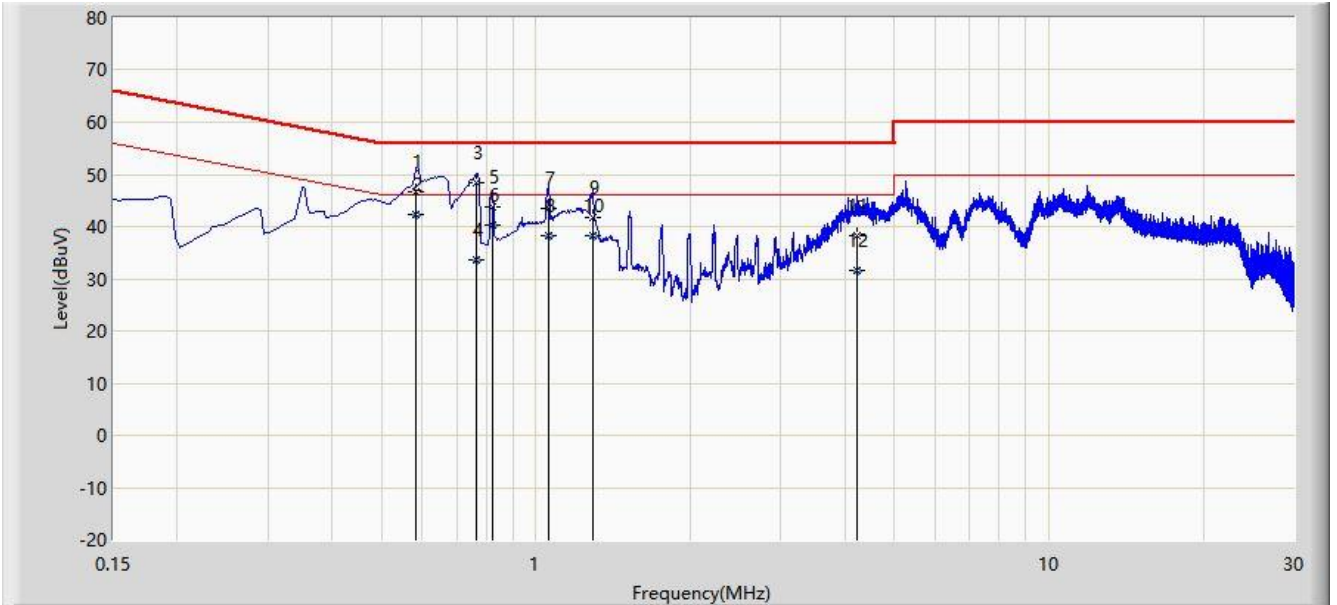
No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.350	45.984	36.211	-12.979	58.962	9.773	QP
2		0.350	41.332	31.559	-7.631	48.962	9.773	AV
3		0.582	48.827	38.948	-7.173	56.000	9.878	QP
4		0.582	42.397	32.518	-3.603	46.000	9.878	AV
5	*	0.766	52.470	42.500	-3.530	56.000	9.970	QP
6		0.766	37.707	27.737	-8.293	46.000	9.970	AV
7		0.822	44.127	34.129	-11.873	56.000	9.999	QP
8		0.822	41.644	31.646	-4.356	46.000	9.999	AV
9		1.050	43.903	33.823	-12.097	56.000	10.081	QP
10		1.050	39.313	29.233	-6.687	46.000	10.081	AV
11		1.290	42.531	32.447	-13.469	56.000	10.084	QP
12		1.290	36.918	26.834	-9.082	46.000	10.084	AV
13		4.418	37.702	27.535	-18.298	56.000	10.167	QP
14		4.418	31.447	21.280	-14.553	46.000	10.167	AV

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

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

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

Site: WZ-SR2	Time: 2023/12/21 - 15:09
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 (dB μ V)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V)	Factor (dB)	Type
1		0.582	46.620	36.752	-9.380	56.000	9.868	QP
2	*	0.582	42.216	32.348	-3.784	46.000	9.868	AV
3		0.766	48.417	38.454	-7.583	56.000	9.963	QP
4		0.766	33.716	23.753	-12.284	46.000	9.963	AV
5		0.822	43.822	33.833	-12.178	56.000	9.989	QP
6		0.822	40.419	30.431	-5.581	46.000	9.989	AV
7		1.058	43.407	33.336	-12.593	56.000	10.071	QP
8		1.058	38.145	28.074	-7.855	46.000	10.071	AV
9		1.290	41.856	31.783	-14.144	56.000	10.074	QP
10		1.290	38.166	28.092	-7.834	46.000	10.074	AV
11		4.226	38.317	28.175	-17.683	56.000	10.142	QP
12		4.226	31.518	21.376	-14.482	46.000	10.142	AV

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

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

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