

A.9 Radiated Spurious Emission Test Result

External PCB Antenna – Transmit Mode

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/01/21	Test Mode:	DH5
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
00	7383.5	39.6	9.0	48.6	74.0	-25.4	Peak	Horizontal
	8344.0	37.2	9.4	46.6	74.0	-27.4	Peak	Horizontal
	11387.0	36.7	13.5	50.1	74.0	-23.9	Peak	Horizontal
	8344.0	37.0	9.4	46.4	74.0	-27.6	Peak	Vertical
	9092.0	35.1	11.5	46.6	74.0	-27.4	Peak	Vertical
	11166.0	36.4	13.4	49.8	74.0	-24.2	Peak	Vertical
39	7324.0	39.3	9.2	48.5	74.0	-25.5	Peak	Horizontal
	8157.0	36.7	9.5	46.2	74.0	-27.8	Peak	Horizontal
	11455.0	36.4	13.3	49.7	74.0	-24.3	Peak	Horizontal
	7324.0	39.5	9.2	48.6	74.0	-25.4	Peak	Vertical
	8361.0	36.1	9.6	45.8	74.0	-28.2	Peak	Vertical
	12203.0	40.2	13.0	53.2	74.0	-20.8	Peak	Vertical
	12203.0	37.5	13.0	50.4	54.0	-3.6	Average	Vertical
78	7443.0	41.1	8.9	50.0	74.0	-24.0	Peak	Horizontal
	8131.5	36.1	9.6	45.6	74.0	-28.4	Peak	Horizontal
	11149.0	36.8	13.4	50.1	74.0	-23.9	Peak	Horizontal
	7443.0	45.0	8.9	53.8	74.0	-20.2	Peak	Vertical
	7443.0	40.5	8.9	49.3	54.0	-4.7	Average	Vertical
	11013.0	36.6	13.7	50.3	74.0	-23.7	Peak	Vertical
	12398.5	39.5	12.7	52.2	74.0	-21.8	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	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/01/21	Test Mode:	2DH5
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
00	7392.0	38.2	9.1	47.3	74.0	-26.7	Peak	Horizontal
	8344.0	36.7	9.4	46.1	74.0	-27.9	Peak	Horizontal
	10970.5	36.7	13.7	50.4	74.0	-23.6	Peak	Horizontal
	7655.5	36.6	8.7	45.2	74.0	-28.8	Peak	Vertical
	8174.0	35.7	9.5	45.2	74.0	-28.9	Peak	Vertical
	11353.0	35.9	13.4	49.3	74.0	-24.7	Peak	Vertical
39	7324.0	40.5	9.2	49.7	74.0	-24.3	Peak	Horizontal
	8429.0	35.9	9.8	45.7	74.0	-28.3	Peak	Horizontal
	10885.5	36.1	13.9	50.0	74.0	-24.0	Peak	Horizontal
	7324.0	43.0	9.2	52.2	74.0	-21.8	Peak	Vertical
	9177.0	35.0	11.9	46.9	74.0	-27.1	Peak	Vertical
	12203.0	40.6	13.0	53.6	74.0	-20.4	Peak	Vertical
	12203.0	35.9	13.0	48.9	54.0	-5.1	Average	Vertical
78	7443.0	43.6	8.9	52.5	74.0	-21.5	Peak	Horizontal
	8318.5	37.6	9.5	47.1	74.0	-26.9	Peak	Horizontal
	10783.5	36.8	13.8	50.6	74.0	-23.4	Peak	Horizontal
	7443.0	42.8	8.9	51.7	74.0	-22.3	Peak	Vertical
	8140.0	36.3	9.6	45.9	74.0	-28.1	Peak	Vertical
	12398.5	40.3	12.7	53.0	74.0	-21.0	Peak	Vertical

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

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

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/01/21	Test Mode:	3DH5
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
00	7698.0	38.5	8.6	47.1	74.0	-26.9	Peak	Horizontal
	8386.5	36.2	9.5	45.7	74.0	-28.3	Peak	Horizontal
	11472.0	37.6	13.3	50.9	74.0	-23.1	Peak	Horizontal
	7613.0	36.1	8.6	44.7	74.0	-29.3	Peak	Vertical
	8310.0	37.3	9.5	46.8	74.0	-27.2	Peak	Vertical
	11191.5	36.7	13.5	50.1	74.0	-23.9	Peak	Vertical
39	7324.0	39.5	9.2	48.7	74.0	-25.3	Peak	Horizontal
	8318.5	37.4	9.5	46.9	74.0	-27.1	Peak	Horizontal
	12194.5	38.0	13.1	51.0	74.0	-23.0	Peak	Horizontal
	7324.0	42.5	9.2	51.7	74.0	-22.3	Peak	Vertical
	8454.5	36.7	10.0	46.6	74.0	-27.4	Peak	Vertical
	12203.0	39.9	13.0	52.8	74.0	-21.2	Peak	Vertical
78	7443.0	41.6	8.9	50.4	74.0	-23.6	Peak	Horizontal
	8267.5	35.6	9.5	45.1	74.0	-28.9	Peak	Horizontal
	10860.0	36.4	13.9	50.2	74.0	-23.8	Peak	Horizontal
	7443.0	45.1	8.9	54.0	74.0	-20.0	Peak	Vertical
	7443.0	41.3	8.9	50.2	54.0	-3.8	Average	Vertical
	8318.5	36.6	9.5	46.2	74.0	-27.8	Peak	Vertical
	12398.5	40.3	12.7	53.0	74.0	-21.0	Peak	Vertical

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

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

External Dipole Antenna – Transmit Mode

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/01/21	Test Mode:	DH5
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
00	9661.5	36.7	12.6	49.3	74.0	-24.7	Peak	Horizontal
	10571.0	37.3	14.0	51.3	74.0	-22.7	Peak	Horizontal
	12007.5	40.6	12.7	53.3	74.0	-20.7	Peak	Horizontal
	12007.8	38.5	12.7	51.2	54.0	-2.8	Average	Horizontal
	7205.0	43.6	9.0	52.6	74.0	-21.4	Peak	Vertical
	7978.5	42.1	9.6	51.7	74.0	-22.3	Peak	Vertical
	12007.5	43.2	12.7	55.9	74.0	-18.1	Peak	Vertical
	12007.5	38.7	12.7	51.4	54.0	-2.6	Average	Vertical
39	6491.0	36.1	7.2	43.3	74.0	-30.7	Peak	Horizontal
	7052.0	36.9	8.6	45.5	74.0	-28.5	Peak	Horizontal
	12305.0	37.4	12.9	50.3	74.0	-23.7	Peak	Horizontal
	7324.0	43.8	9.2	53.0	74.0	-21.0	Peak	Vertical
	7324.0	41.0	9.2	50.2	54.0	-3.8	Average	Vertical
	7987.0	42.8	9.5	52.3	74.0	-21.7	Peak	Vertical
	8862.5	38.0	11.3	49.3	74.0	-24.7	Peak	Vertical
78	6023.5	36.5	5.8	42.3	74.0	-31.7	Peak	Horizontal
	6542.0	36.9	7.2	44.1	74.0	-29.9	Peak	Horizontal
	12398.5	38.9	12.7	51.6	74.0	-22.4	Peak	Horizontal
	6380.5	40.4	6.6	47.0	74.0	-27.0	Peak	Vertical
	6576.0	38.0	7.6	45.6	74.0	-28.4	Peak	Vertical
	7443.0	43.9	8.9	52.8	74.0	-21.2	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)

Test Site	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/01/21	Test Mode:	2DH5
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
00	7069.0	37.1	8.8	45.9	74.0	-28.1	Peak	Horizontal
	7978.5	37.5	9.6	47.1	74.0	-26.9	Peak	Horizontal
	12007.5	39.6	12.7	52.3	74.0	-21.7	Peak	Horizontal
	6397.5	41.5	6.6	48.1	74.0	-25.9	Peak	Vertical
	7205.0	41.9	9.0	50.9	74.0	-23.1	Peak	Vertical
	12007.5	41.3	12.7	54.0	74.0	-20.0	Peak	Vertical
	12007.5	38.2	12.7	50.9	54.0	-3.1	Average	Vertical
39	5870.5	36.8	5.7	42.5	74.0	-31.5	Peak	Horizontal
	9007.0	38.2	11.4	49.6	74.0	-24.4	Peak	Horizontal
	6389.0	39.8	6.6	46.4	74.0	-27.6	Peak	Horizontal
	6992.5	36.9	8.4	45.3	74.0	-28.7	Peak	Vertical
	7324.0	42.5	9.2	51.7	74.0	-22.3	Peak	Vertical
	11667.5	37.6	12.7	50.3	74.0	-23.7	Peak	Vertical
78	6567.5	36.4	7.5	43.9	74.0	-30.1	Peak	Horizontal
	7086.0	37.8	8.8	46.6	74.0	-27.4	Peak	Horizontal
	11276.5	37.0	13.4	50.4	74.0	-23.6	Peak	Horizontal
	6380.5	42.7	6.6	49.3	74.0	-24.7	Peak	Vertical
	7443.0	44.2	8.9	53.1	74.0	-20.9	Peak	Vertical
	7443.0	41.0	8.9	49.9	54.0	-4.1	Average	Vertical
	11319.0	36.8	13.4	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	WZ-AC1	Test Engineer	Charles Zhang
Test Date	2022/01/21	Test Mode:	3DH5
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.		

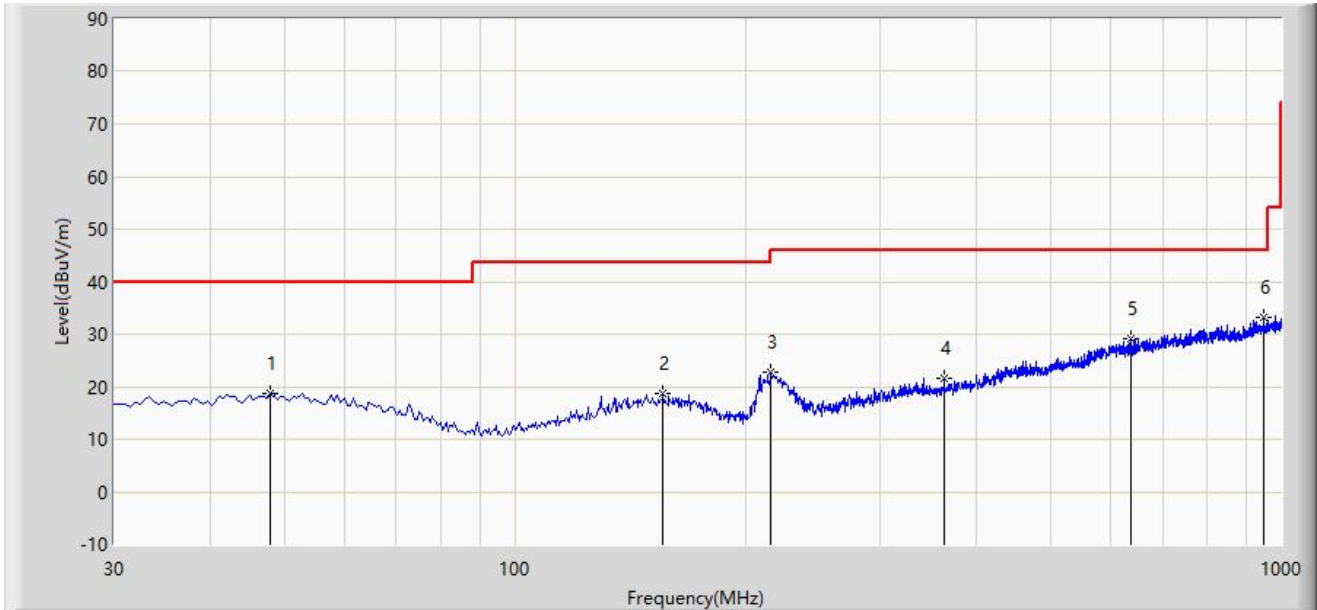
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
00	8786.0	36.0	11.2	47.2	74.0	-26.8	Peak	Horizontal
	10452.0	35.8	13.5	49.3	74.0	-24.7	Peak	Horizontal
	12007.5	40.5	12.7	53.2	74.0	-20.8	Peak	Horizontal
	12010.7	37.2	12.7	49.9	54.0	-4.1	Average	Horizontal
	6372.0	44.2	6.6	50.8	74.0	-23.2	Peak	Vertical
	7205.0	40.3	9.0	49.3	74.0	-24.7	Peak	Vertical
	12007.5	40.3	12.7	53.0	74.0	-21.0	Peak	Vertical
	12010.8	37.8	12.7	50.5	54.0	-3.5	Average	Vertical
39	5938.5	35.9	5.9	41.8	74.0	-32.2	Peak	Horizontal
	6610.0	36.2	7.5	43.7	74.0	-30.3	Peak	Horizontal
	11939.5	37.4	12.6	50.0	74.0	-24.0	Peak	Horizontal
	6372.0	38.8	6.6	45.4	74.0	-28.6	Peak	Vertical
	7324.0	43.0	9.2	52.2	74.0	-21.8	Peak	Vertical
	12194.5	37.7	13.1	50.8	74.0	-23.2	Peak	Vertical
78	5709.0	35.6	5.2	40.8	74.0	-33.2	Peak	Horizontal
	6618.5	36.5	7.5	44.0	74.0	-30.0	Peak	Horizontal
	11370.0	36.8	13.3	50.1	74.0	-23.9	Peak	Horizontal
	5845.0	37.7	5.7	43.4	74.0	-30.6	Peak	Vertical
	6389.0	39.6	6.6	46.2	74.0	-27.8	Peak	Vertical
	7443.0	43.6	8.9	52.5	74.0	-21.5	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)

The Result of Radiated Emission below 1GHz:

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_VULB9168	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at channel 2402MHz – External PCB Antenna	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			47.945	18.559	-0.199	-21.441	40.000	18.758	PK
2			156.100	18.736	0.632	-24.764	43.500	18.104	PK
3			215.755	22.617	8.158	-20.883	43.500	14.459	PK
4			363.195	21.564	1.795	-24.436	46.000	19.768	PK
5			635.765	29.150	3.254	-16.850	46.000	25.896	PK
6		*	947.620	33.252	3.155	-12.748	46.000	30.097	PK

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB/m)

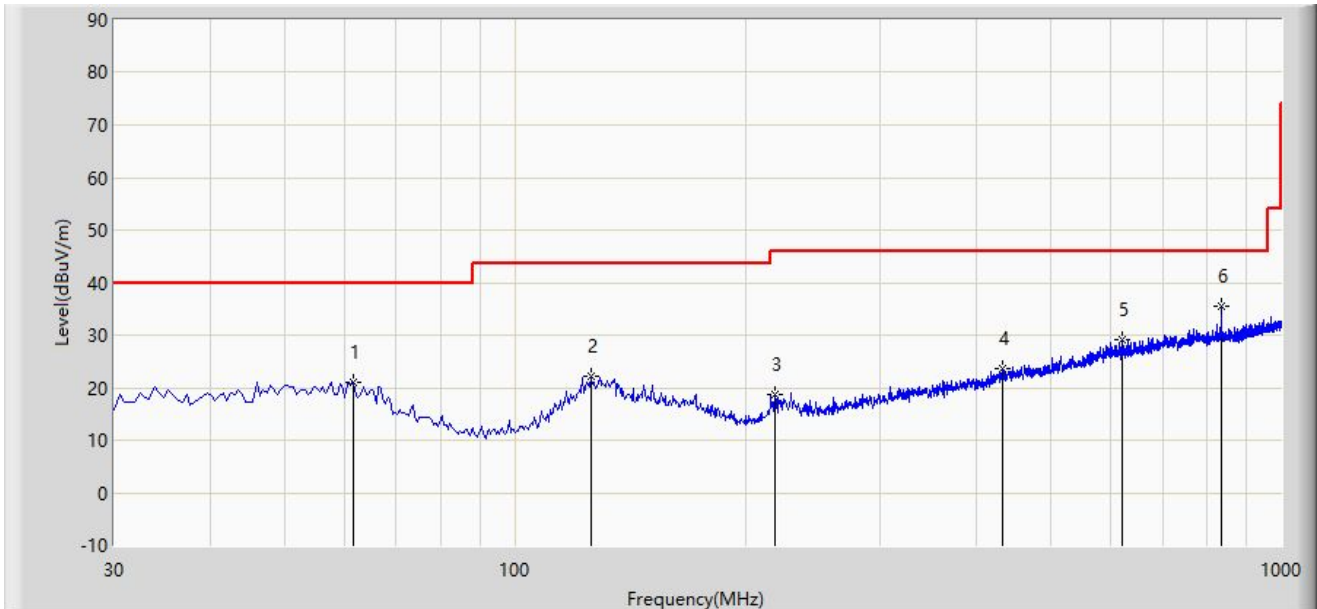
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: 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	Time: 2022/01/26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_VULB9168	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at channel 2402MHz – External PCB Antenna	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1			61.525	21.052	3.549	-18.948	40.000	17.502	PK
2			125.545	22.089	6.285	-21.411	43.500	15.804	PK
3			218.180	18.757	4.272	-27.243	46.000	14.485	PK
4			432.065	23.627	1.816	-22.373	46.000	21.811	PK
5			619.275	29.149	3.186	-16.851	46.000	25.963	PK
6		*	835.100	35.449	6.371	-10.551	46.000	29.078	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

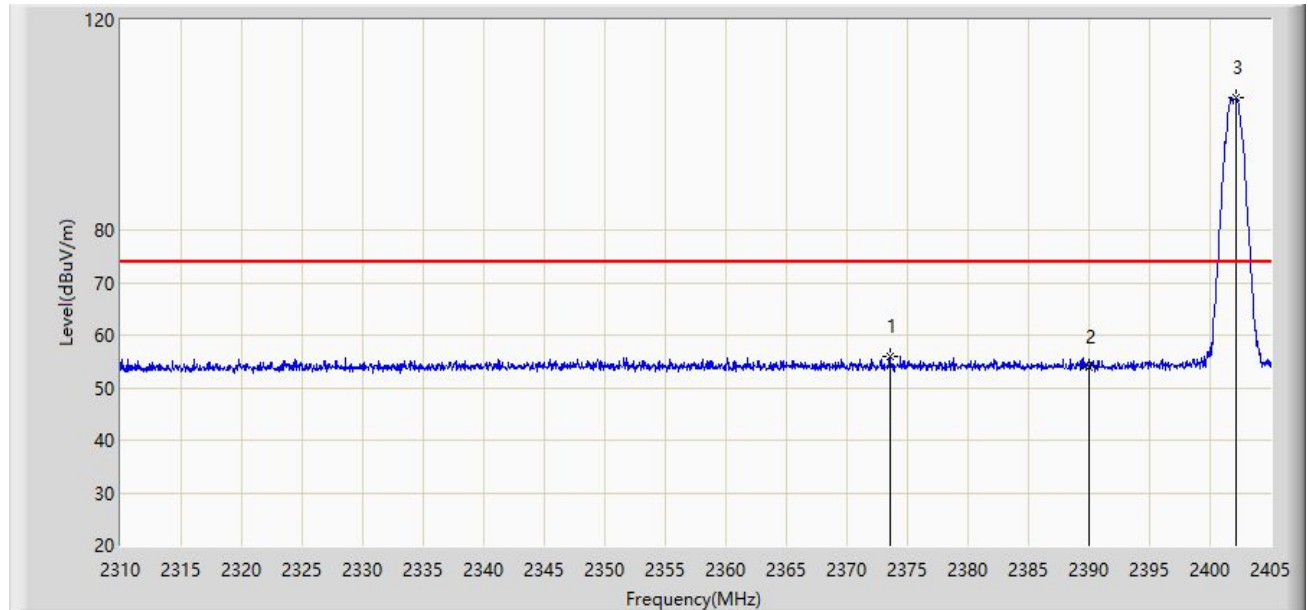
Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

A.10 Radiated Restricted Band Edge Test Result

External PCB Antenna

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2402MHz	

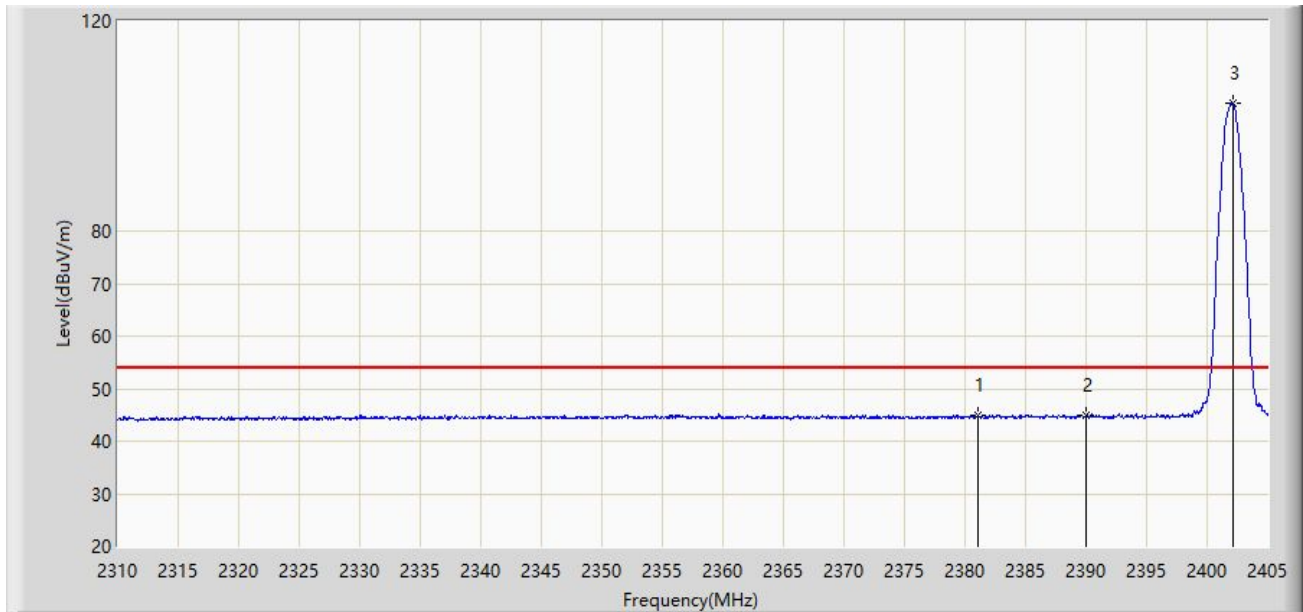


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2373.555	56.019	25.223	-17.981	74.000	30.796	PK
2			2390.000	53.879	23.063	-20.121	74.000	30.816	PK
3		*	2402.150	105.091	74.252	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2402MHz	

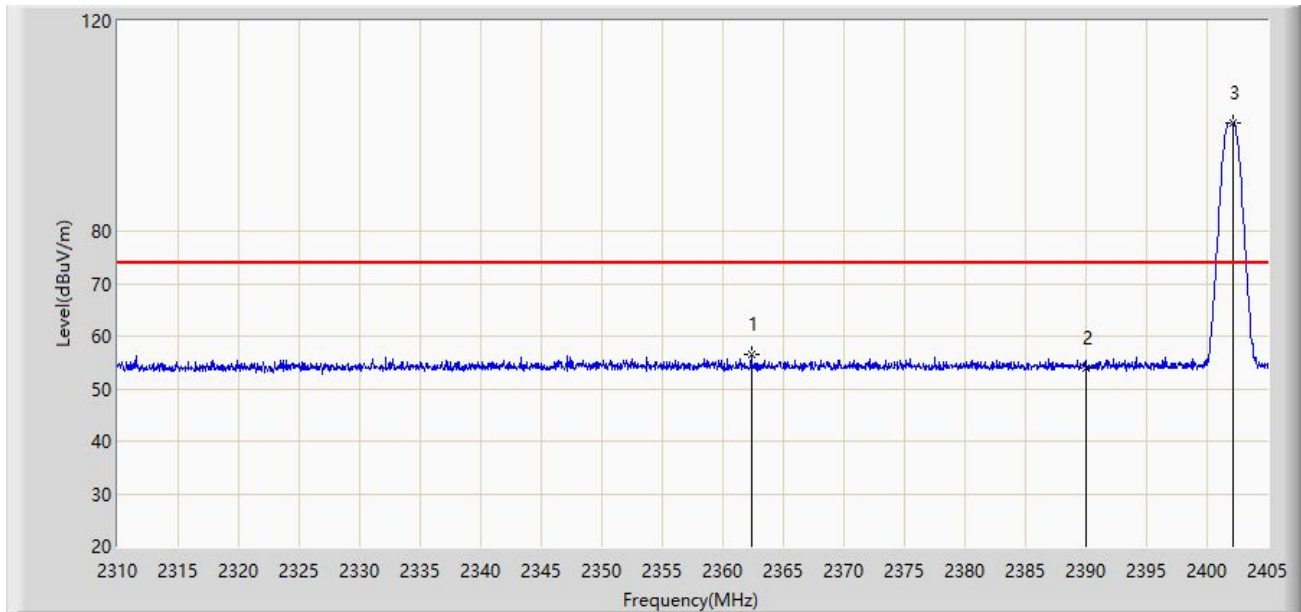


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2381.060	45.023	14.217	-8.977	54.000	30.806	AV
2			2390.000	44.976	14.160	-9.024	54.000	30.816	AV
3		*	2402.103	104.388	73.549	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2402MHz	

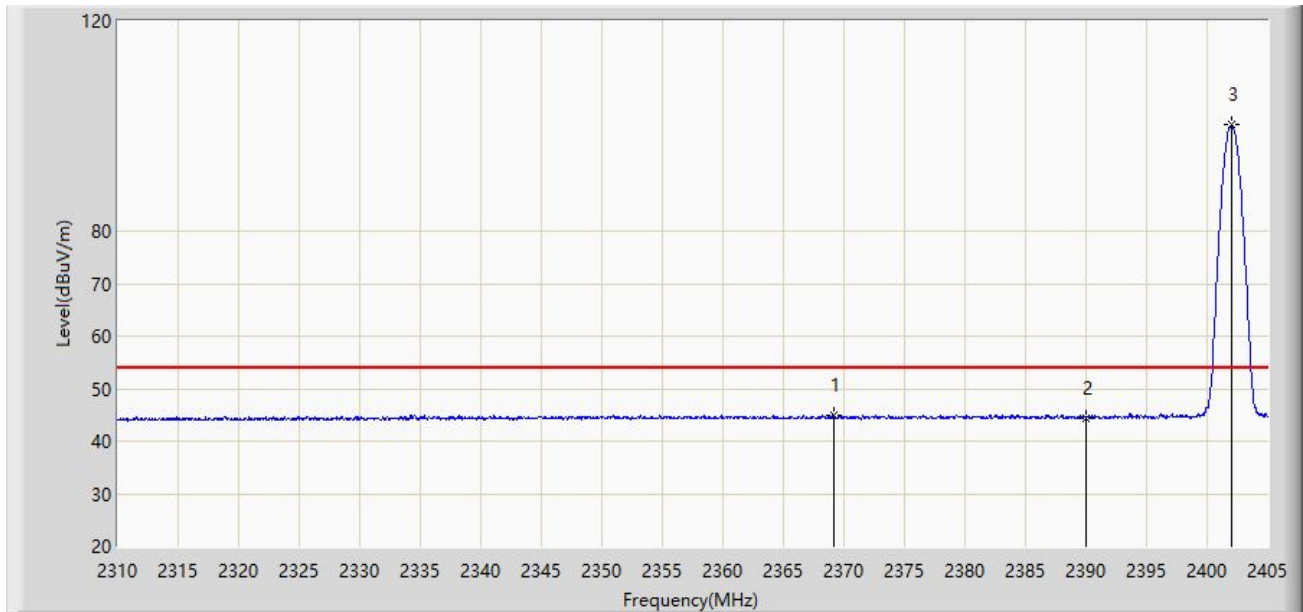


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2362.393	56.591	25.794	-17.409	74.000	30.797	PK
2			2390.000	53.886	23.070	-20.114	74.000	30.816	PK
3		*	2402.198	100.563	69.724	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2402MHz	

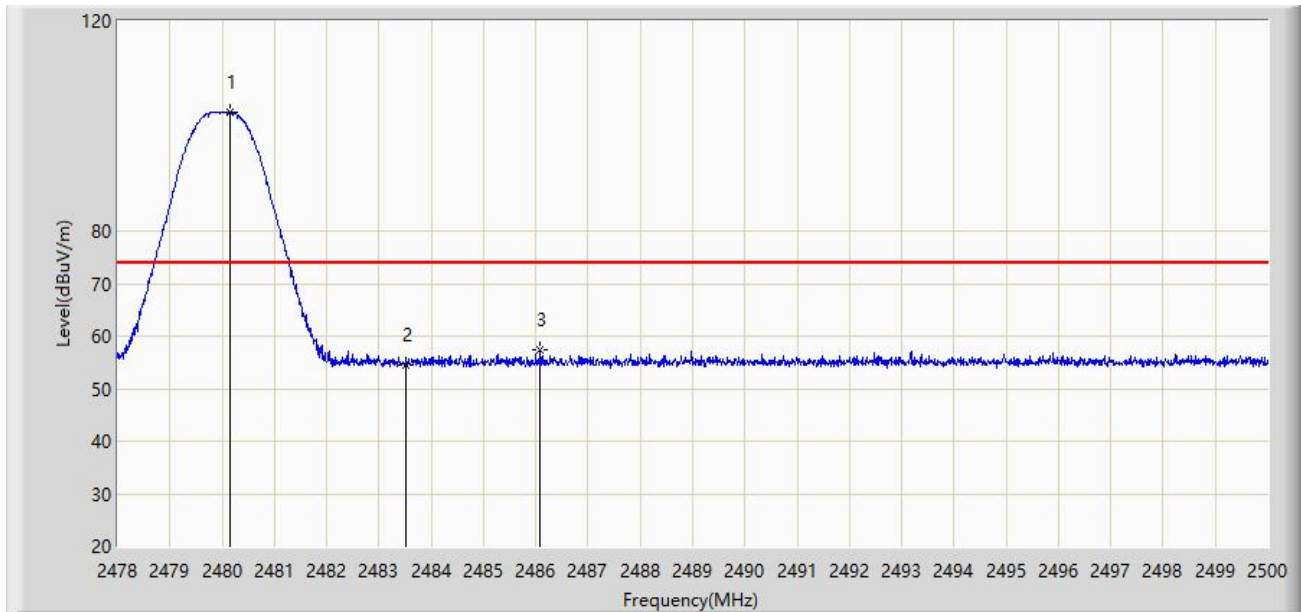


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2369.185	44.911	14.122	-9.089	54.000	30.789	AV
2			2390.000	44.419	13.603	-9.581	54.000	30.816	AV
3		*	2402.055	100.174	69.335	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2480MHz	

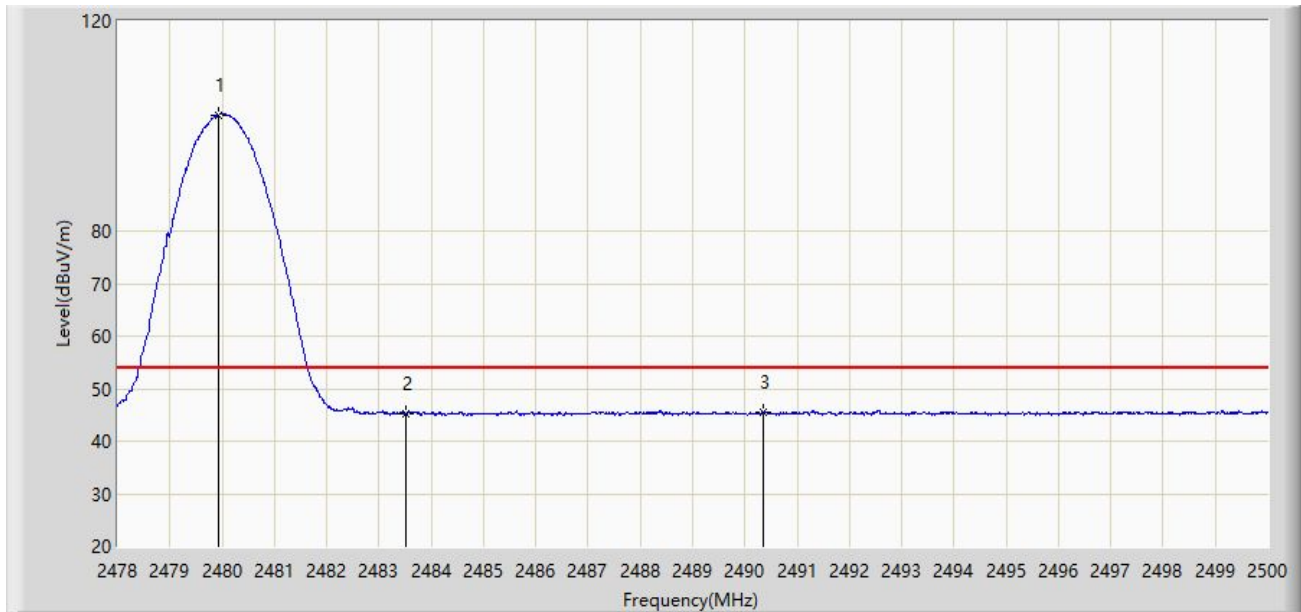


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.156	102.665	71.658	N/A	N/A	31.007	PK
2			2483.500	54.623	23.602	-19.377	74.000	31.021	PK
3			2486.085	57.331	26.299	-16.669	74.000	31.032	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2480MHz	

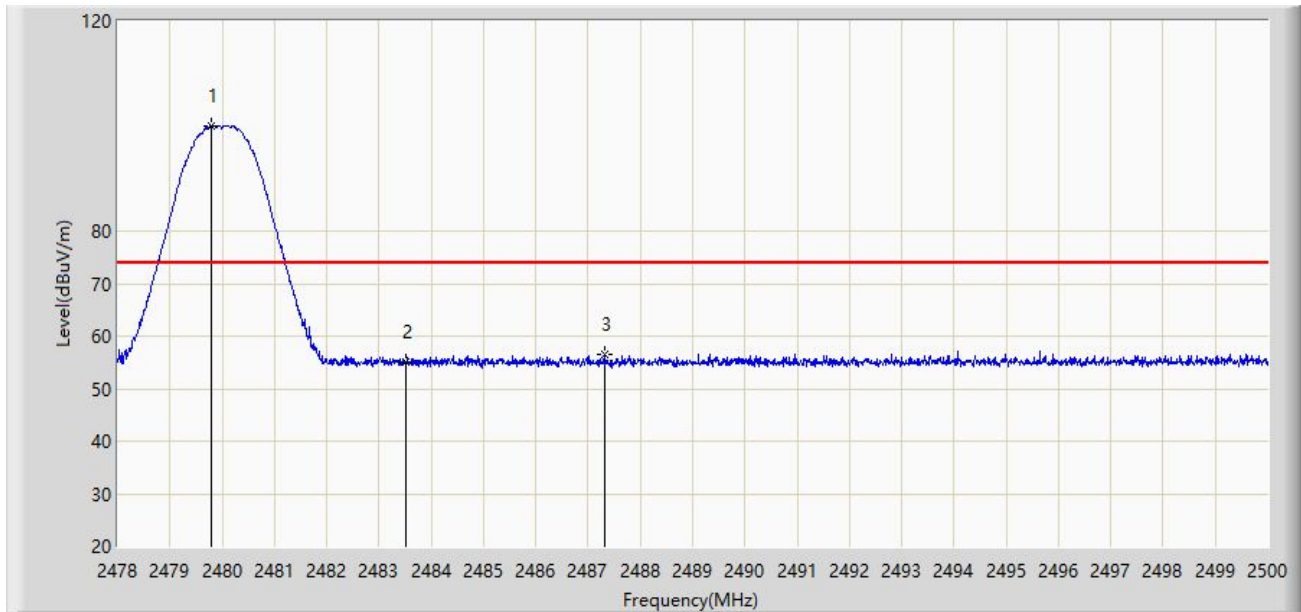


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2479.936	102.166	71.160	N/A	N/A	31.005	AV
2			2483.500	45.129	14.108	-8.871	54.000	31.021	AV
3			2490.342	45.629	14.579	-8.371	54.000	31.050	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2480MHz	

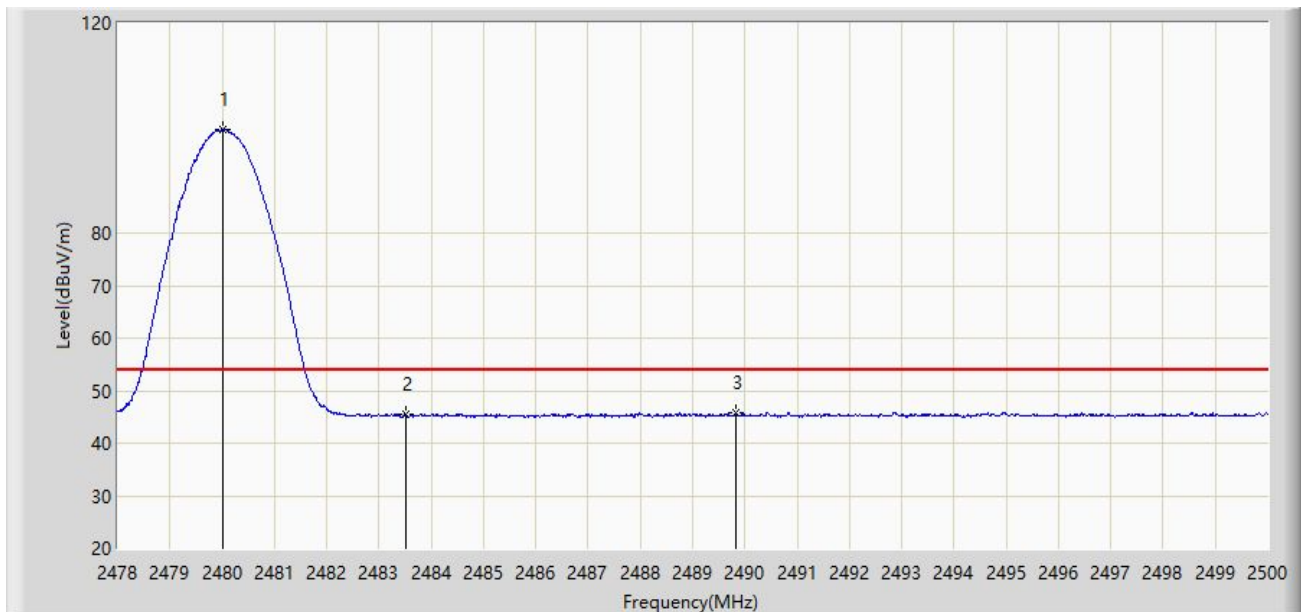


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2479.804	100.039	69.034	N/A	N/A	31.005	PK
2			2483.500	54.987	23.966	-19.013	74.000	31.021	PK
3			2487.306	56.658	25.621	-17.342	74.000	31.037	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2480MHz	

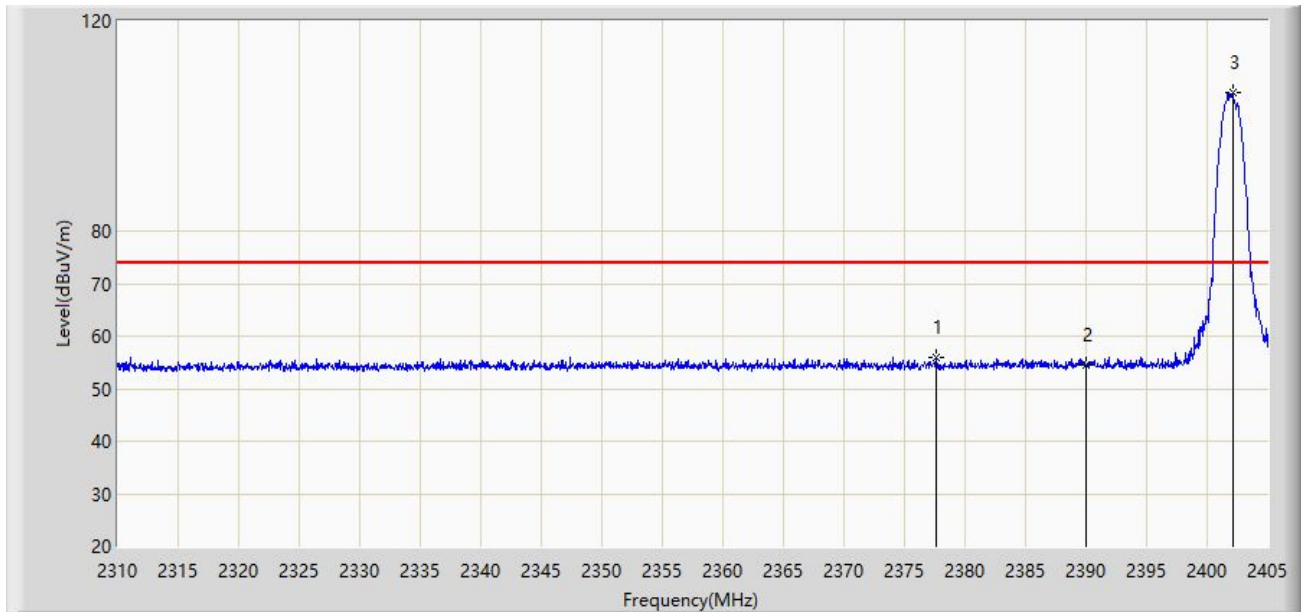


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.013	99.662	68.656	N/A	N/A	31.006	AV
2			2483.500	45.417	14.396	-8.583	54.000	31.021	AV
3			2489.825	45.796	14.748	-8.204	54.000	31.047	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

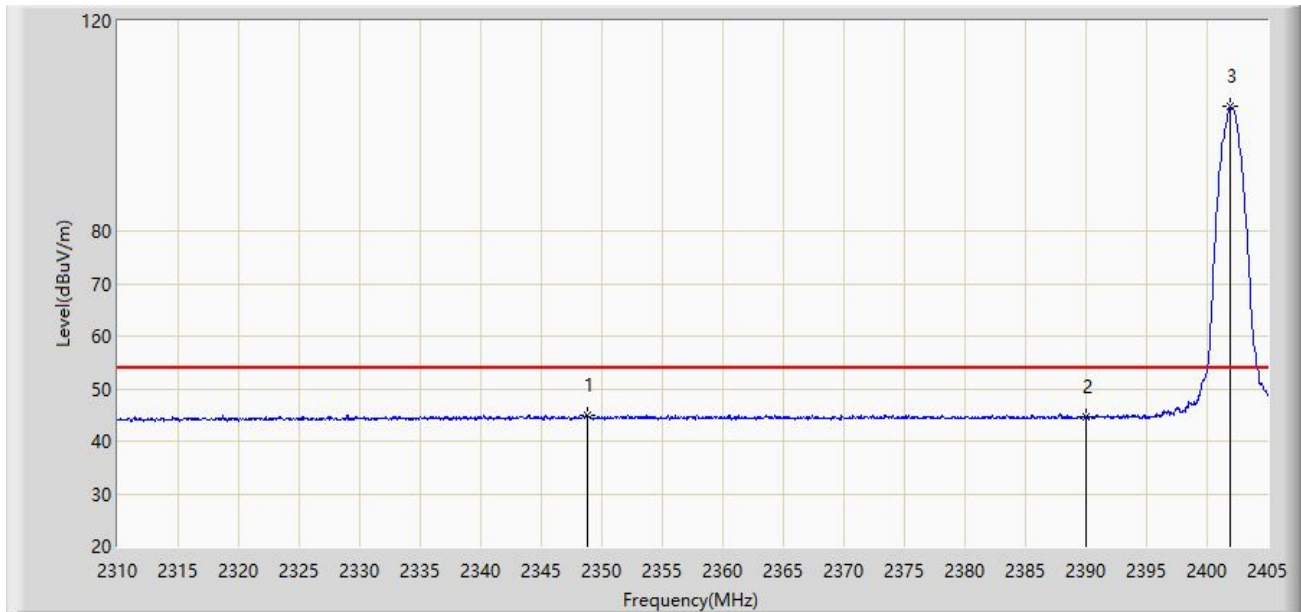


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2377.593	55.988	25.186	-18.012	74.000	30.802	PK
2			2390.000	54.531	23.715	-19.469	74.000	30.816	PK
3		*	2402.103	106.300	75.461	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

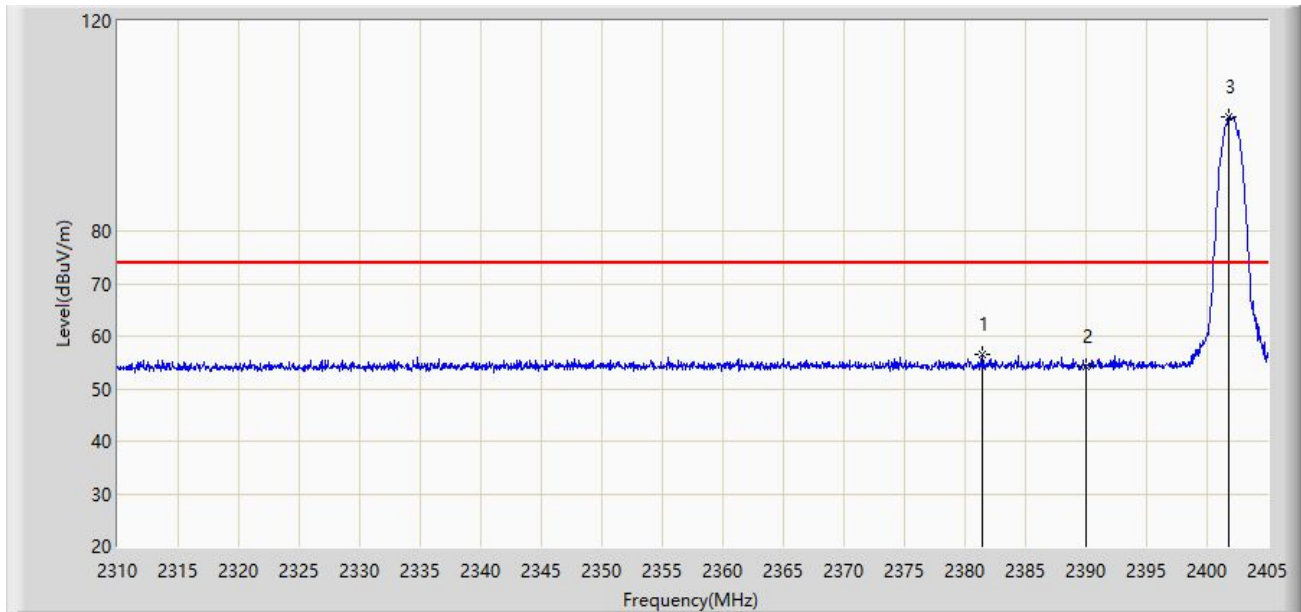


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2348.760	45.054	14.204	-8.946	54.000	30.850	AV
2			2390.000	44.502	13.686	-9.498	54.000	30.816	AV
3		*	2401.913	103.778	72.939	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

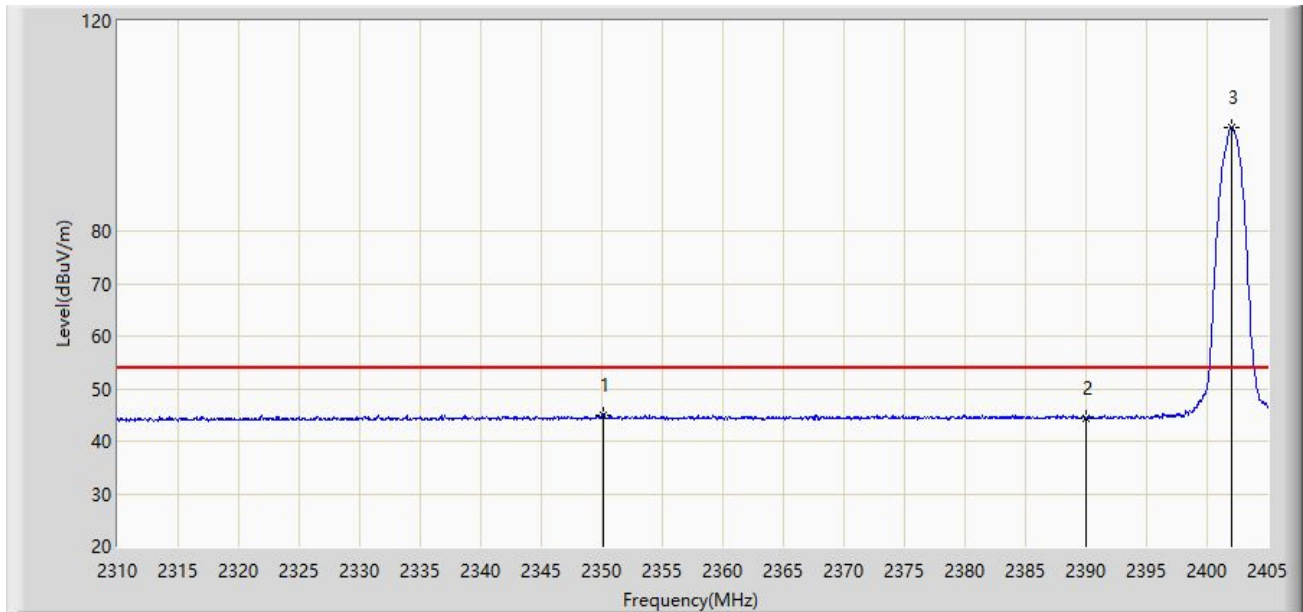


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2381.488	56.518	25.711	-17.482	74.000	30.807	PK
2			2390.000	54.329	23.513	-19.671	74.000	30.816	PK
3		*	2401.770	101.696	70.857	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

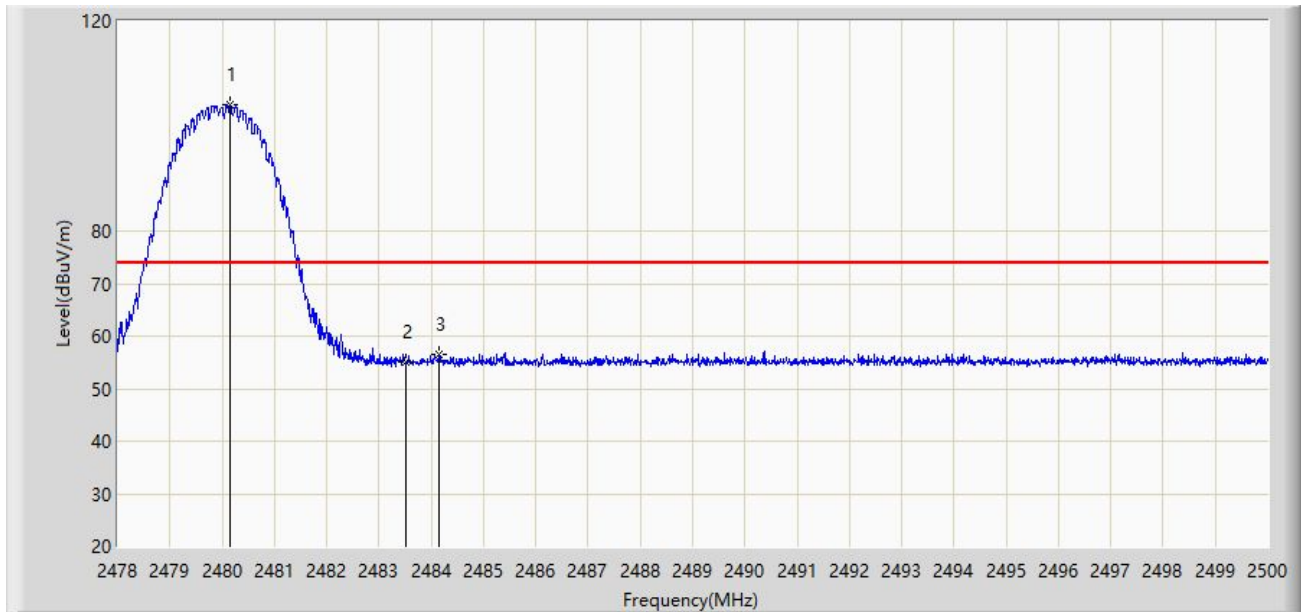


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2350.137	45.054	14.209	-8.946	54.000	30.845	AV
2			2390.000	44.409	13.593	-9.591	54.000	30.816	AV
3		*	2402.008	99.712	68.873	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

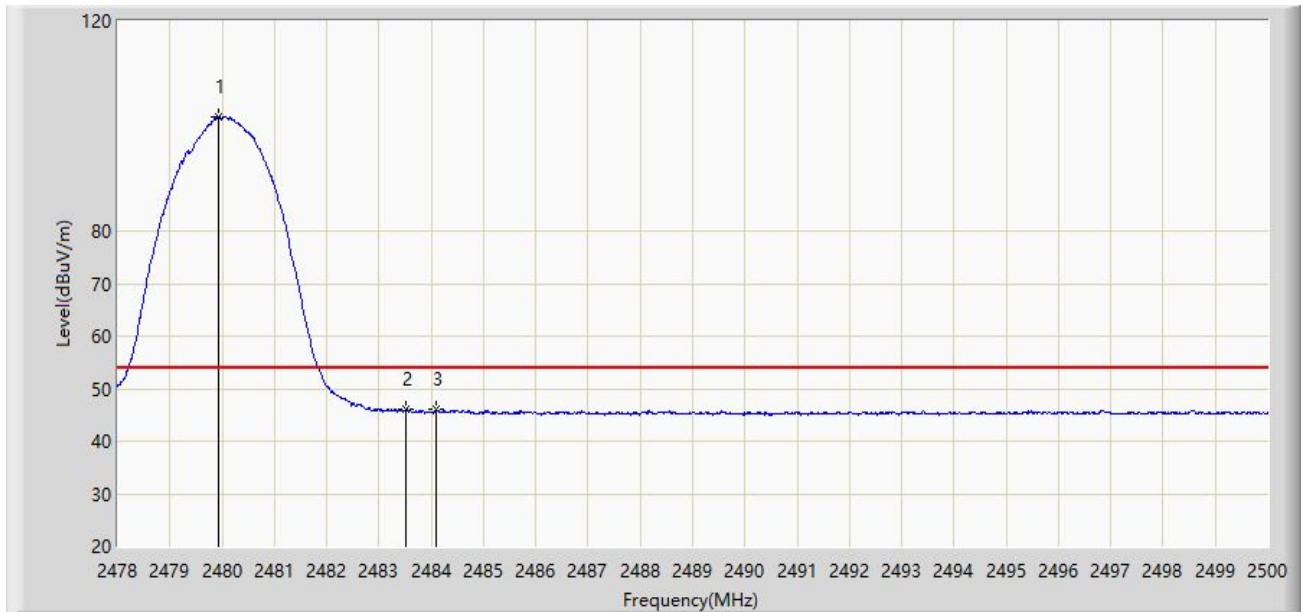


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.145	103.998	72.992	N/A	N/A	31.007	PK
2			2483.500	55.123	24.102	-18.877	74.000	31.021	PK
3			2484.149	56.525	25.502	-17.475	74.000	31.023	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

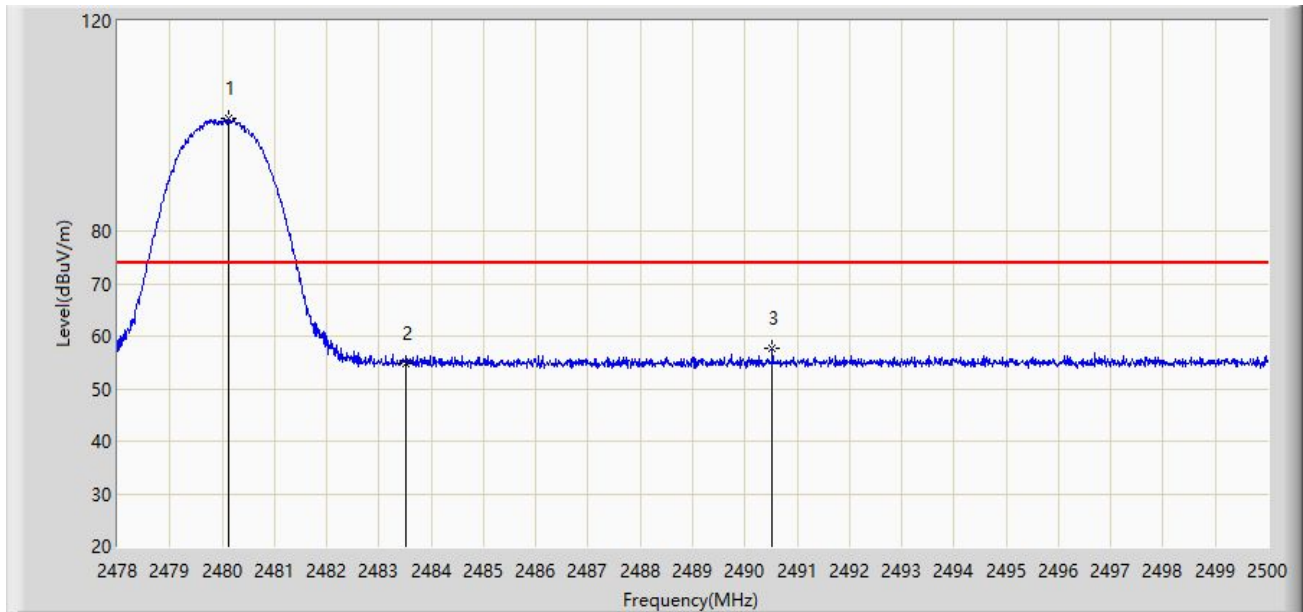


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2479.925	101.816	70.810	N/A	N/A	31.005	AV
2			2483.500	45.989	14.968	-8.011	54.000	31.021	AV
3			2484.094	46.032	15.009	-7.968	54.000	31.023	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

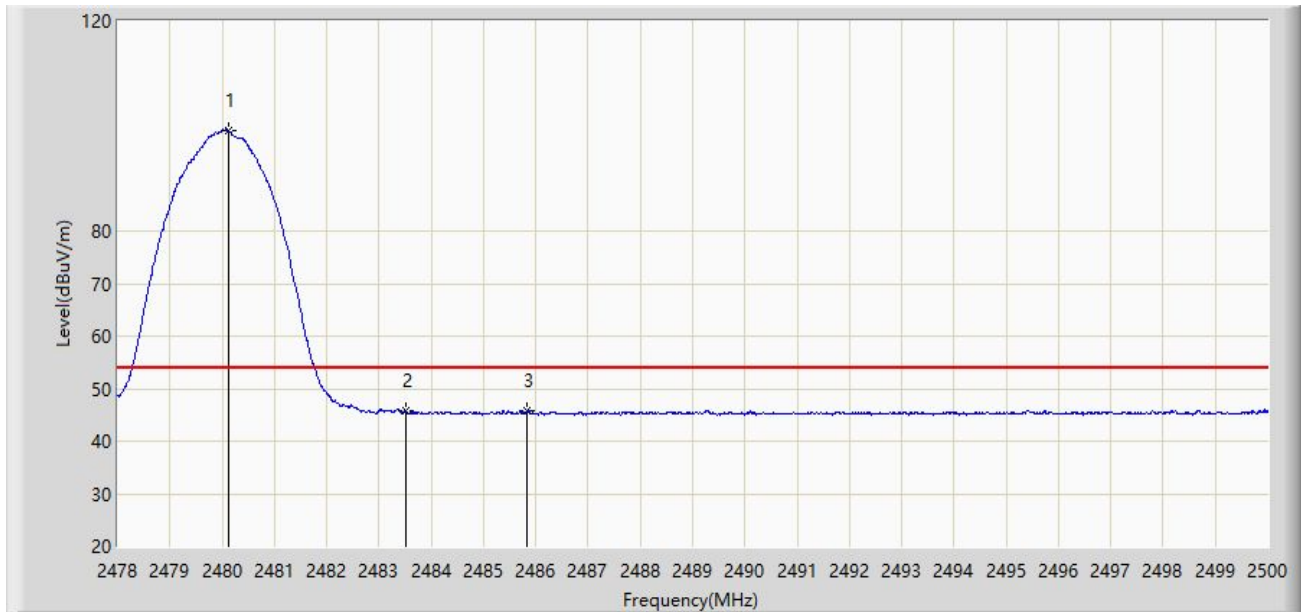


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.123	101.354	70.348	N/A	N/A	31.007	PK
2			2483.500	54.799	23.778	-19.201	74.000	31.021	PK
3			2490.529	57.765	26.714	-16.235	74.000	31.050	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

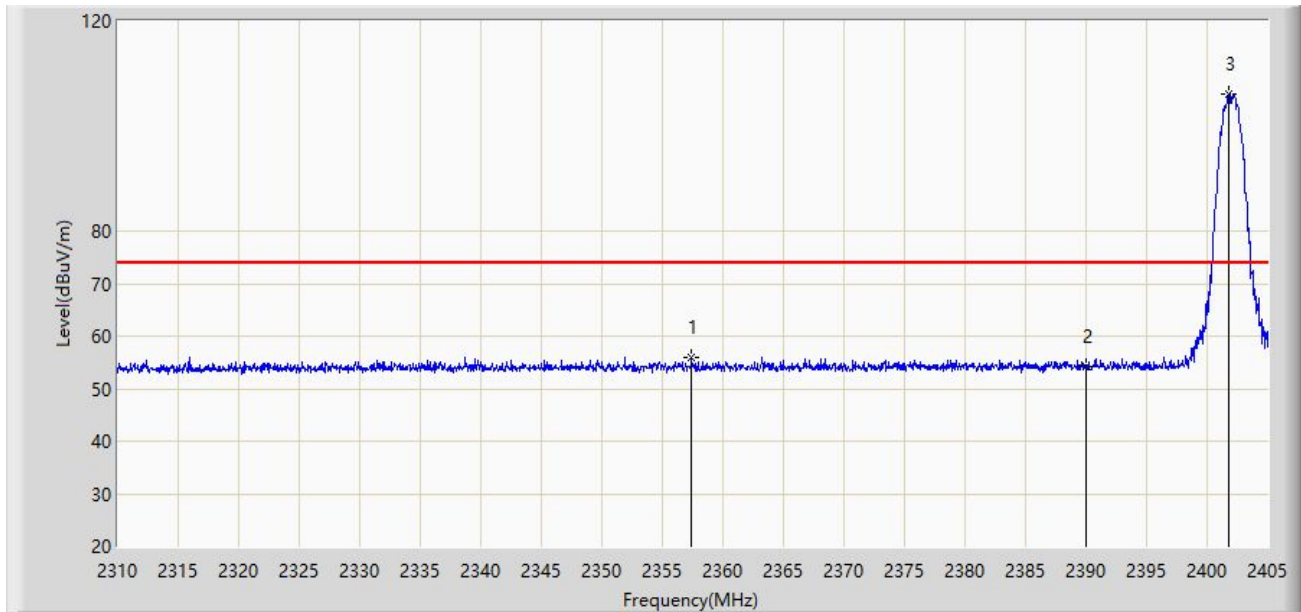


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.112	99.247	68.241	N/A	N/A	31.007	AV
2			2483.500	45.678	14.657	-8.322	54.000	31.021	AV
3			2485.821	45.804	14.773	-8.196	54.000	31.031	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

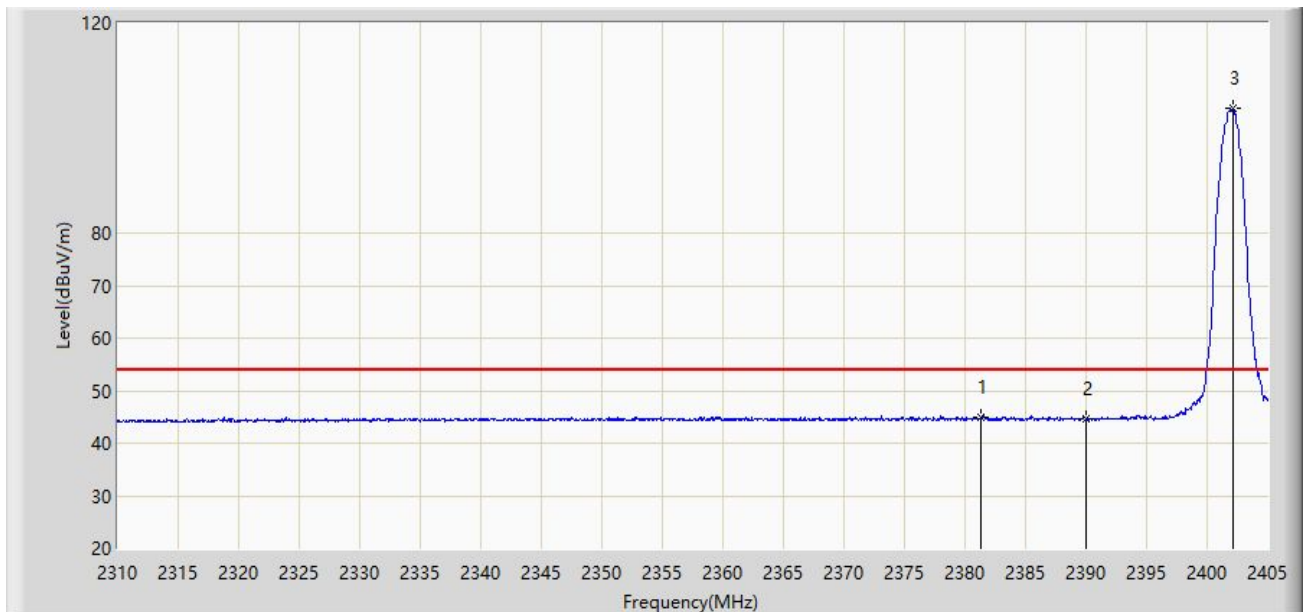


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2357.405	56.080	25.264	-17.920	74.000	30.816	PK
2			2390.000	54.253	23.437	-19.747	74.000	30.816	PK
3		*	2401.817	106.183	75.344	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

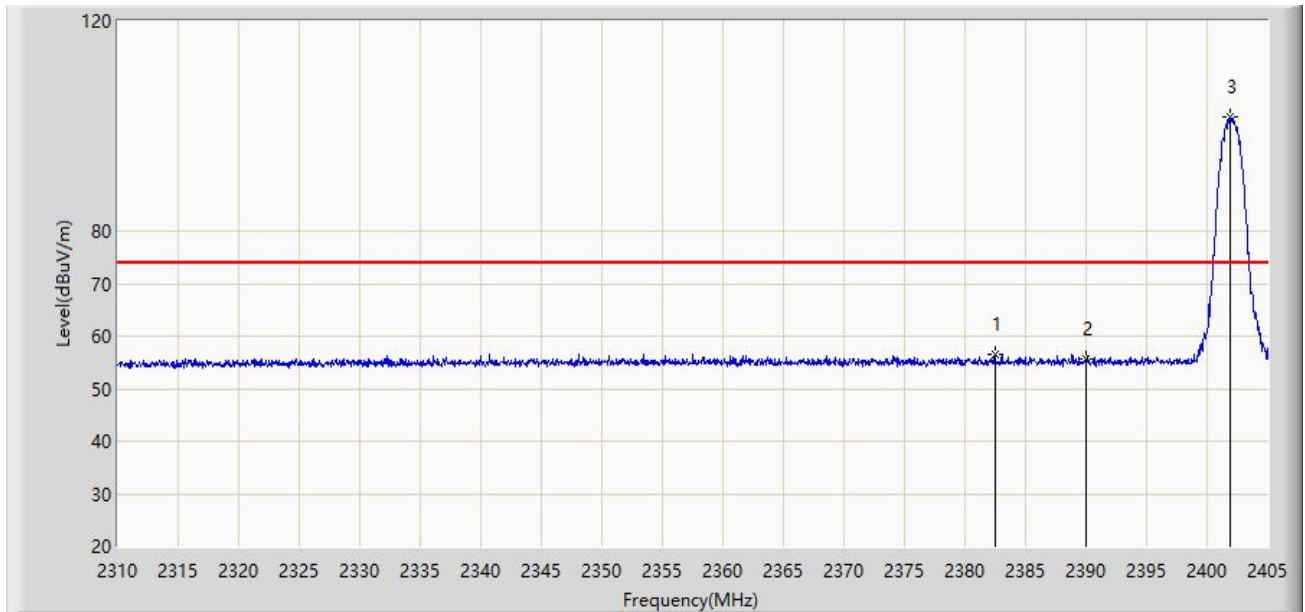


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2381.345	45.010	14.204	-8.990	54.000	30.807	AV
2			2390.000	44.629	13.813	-9.371	54.000	30.816	AV
3		*	2402.150	103.829	72.990	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

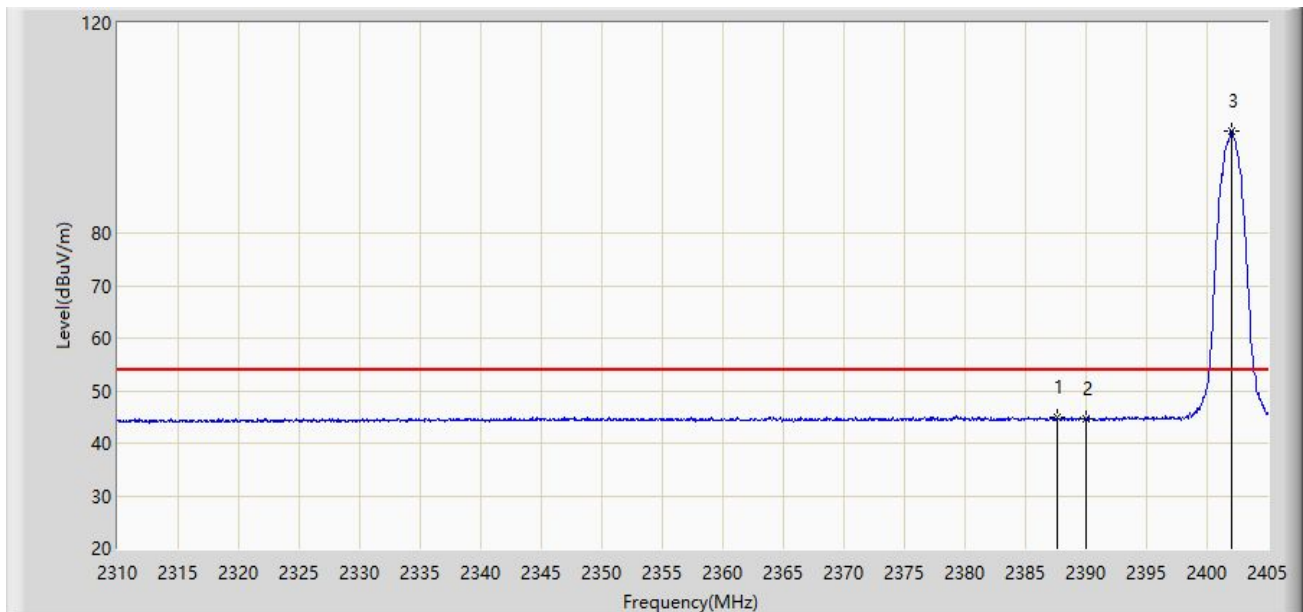


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2382.485	56.608	25.800	-17.392	74.000	30.808	PK
2			2390.000	55.552	24.736	-18.448	74.000	30.816	PK
3		*	2401.865	101.677	70.838	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

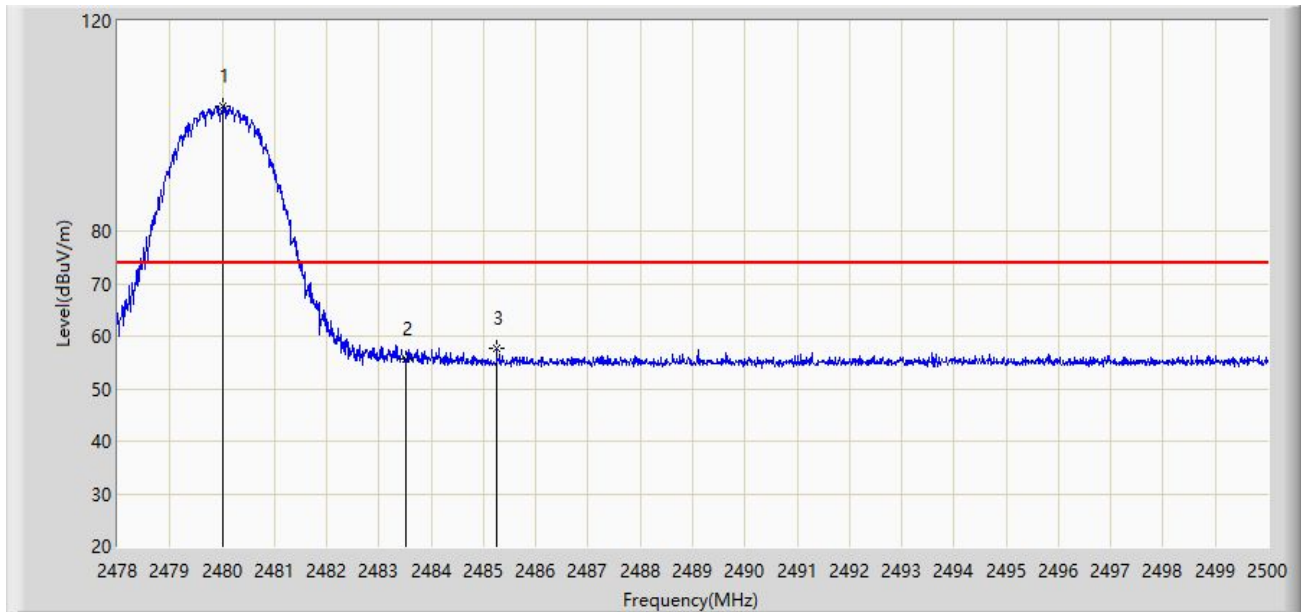


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2387.567	45.056	14.243	-8.944	54.000	30.813	AV
2			2390.000	44.624	13.808	-9.376	54.000	30.816	AV
3		*	2402.008	99.391	68.552	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

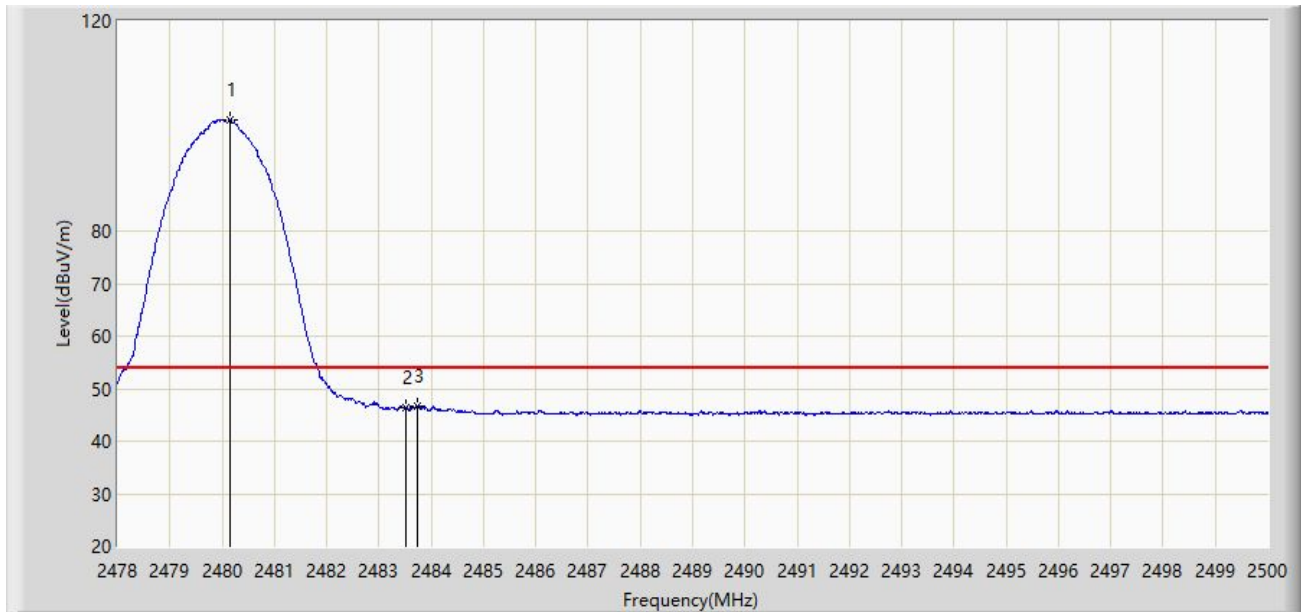


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.013	103.832	72.826	N/A	N/A	31.006	PK
2			2483.500	55.675	24.654	-18.325	74.000	31.021	PK
3			2485.249	57.585	26.557	-16.415	74.000	31.028	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

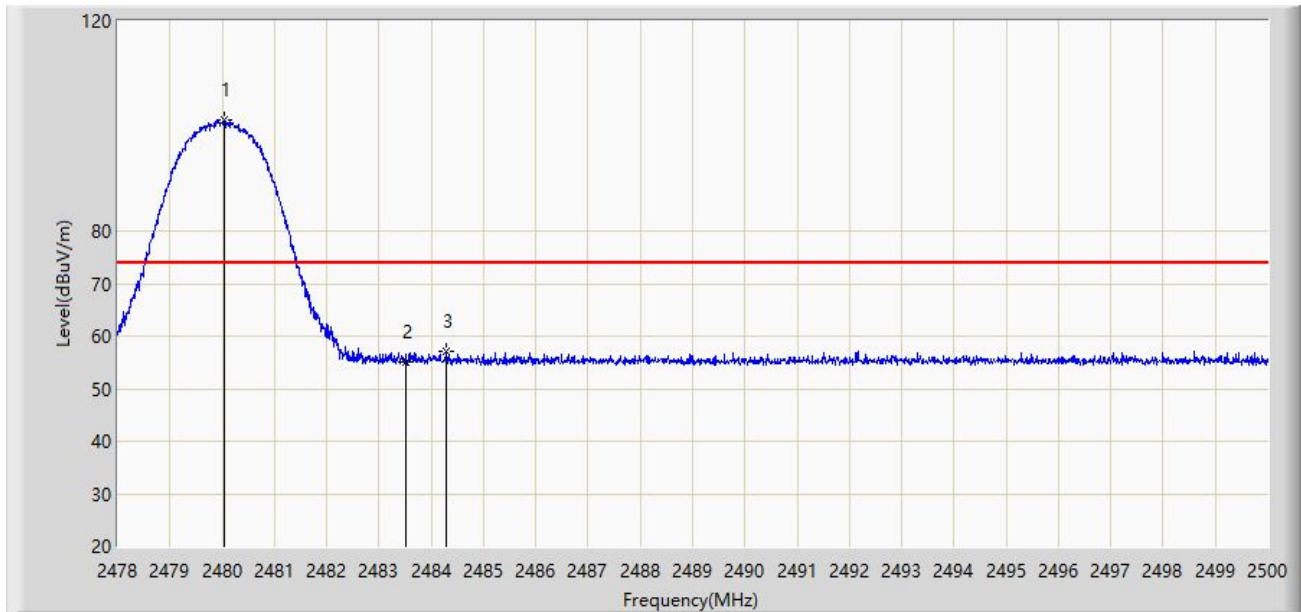


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.145	101.265	70.259	N/A	N/A	31.007	AV
2			2483.500	46.373	15.352	-7.627	54.000	31.021	AV
3			2483.742	46.792	15.770	-7.208	54.000	31.022	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

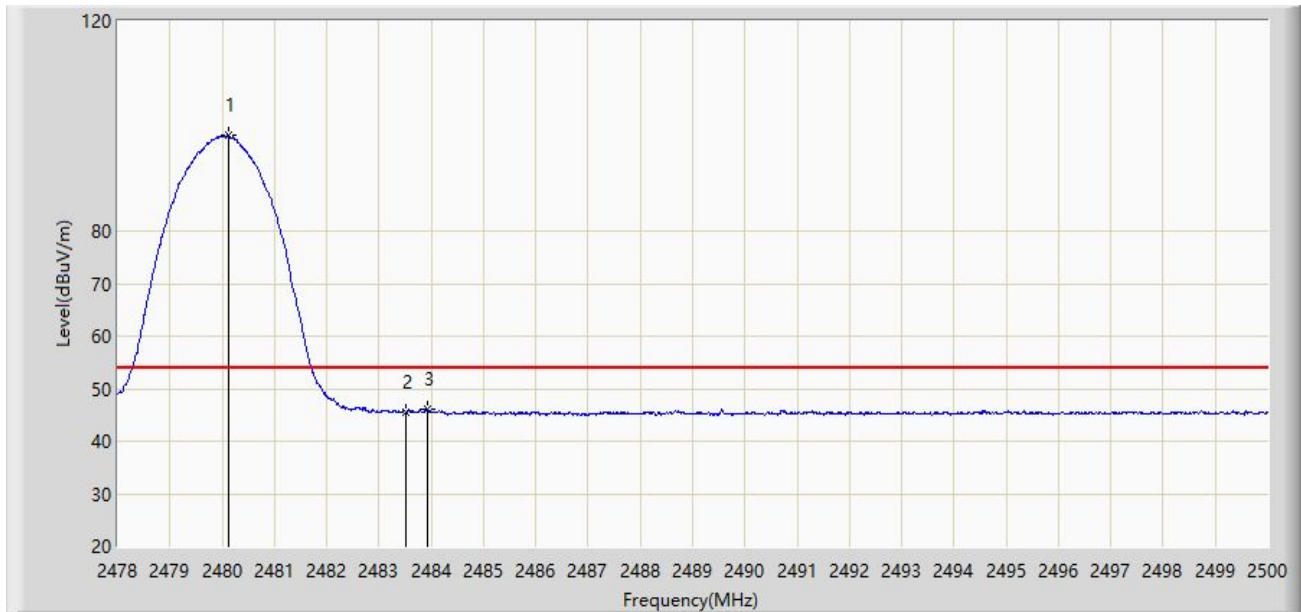


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.035	101.189	70.183	N/A	N/A	31.006	PK
2			2483.500	55.182	24.161	-18.818	74.000	31.021	PK
3			2484.292	57.051	26.027	-16.949	74.000	31.024	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Time: 2022/01/26
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Charles Zhang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2480MHz	



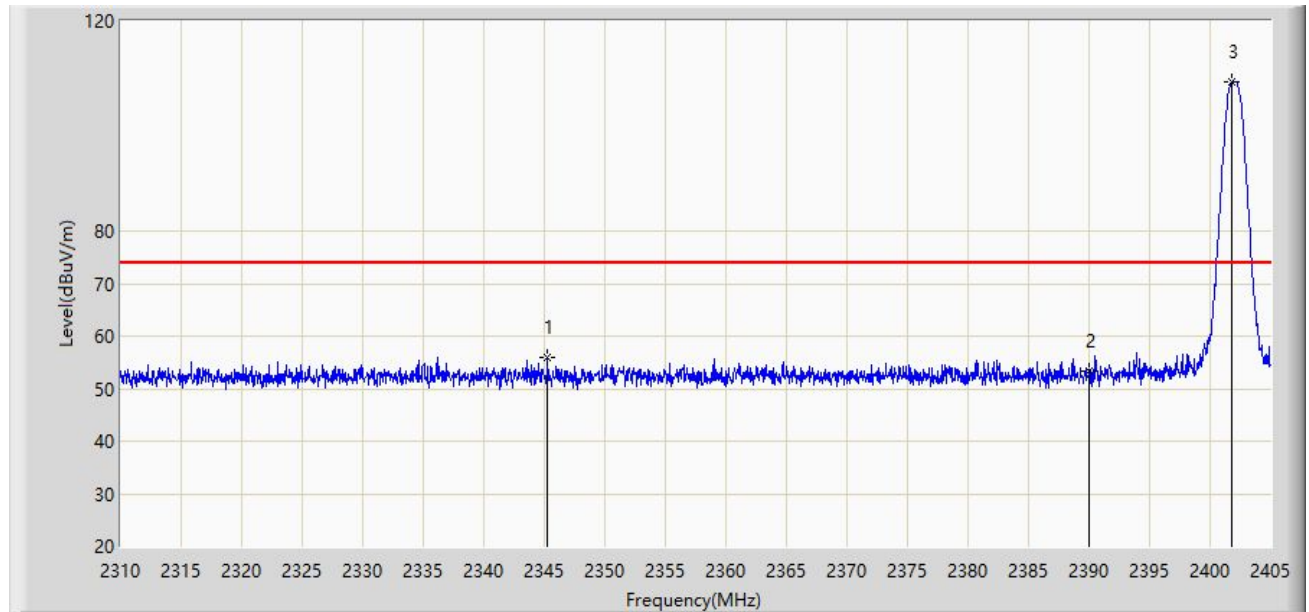
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.112	98.297	67.291	N/A	N/A	31.007	AV
2			2483.500	45.374	14.353	-8.626	54.000	31.021	AV
3			2483.918	46.004	14.982	-7.996	54.000	31.023	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

External Dipole Antenna

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2402MHz	

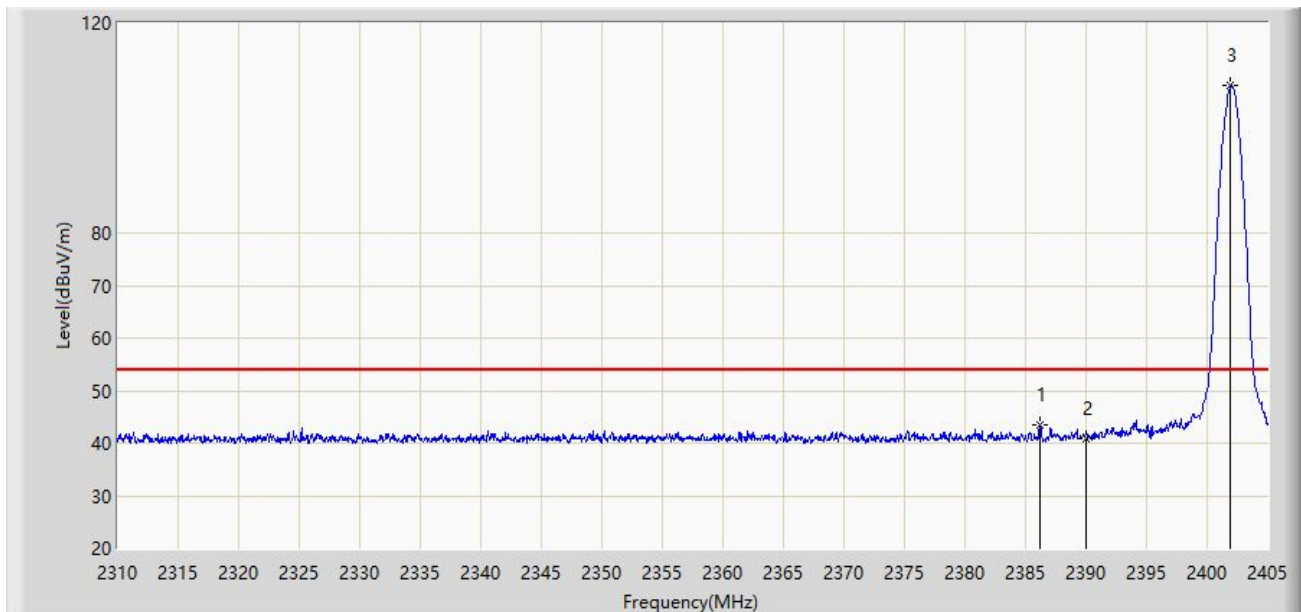


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2345.292	56.032	25.184	-17.968	74.000	30.848	PK
2			2390.000	53.369	22.553	-20.631	74.000	30.816	PK
3		*	2401.817	108.402	77.563	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2402MHz	

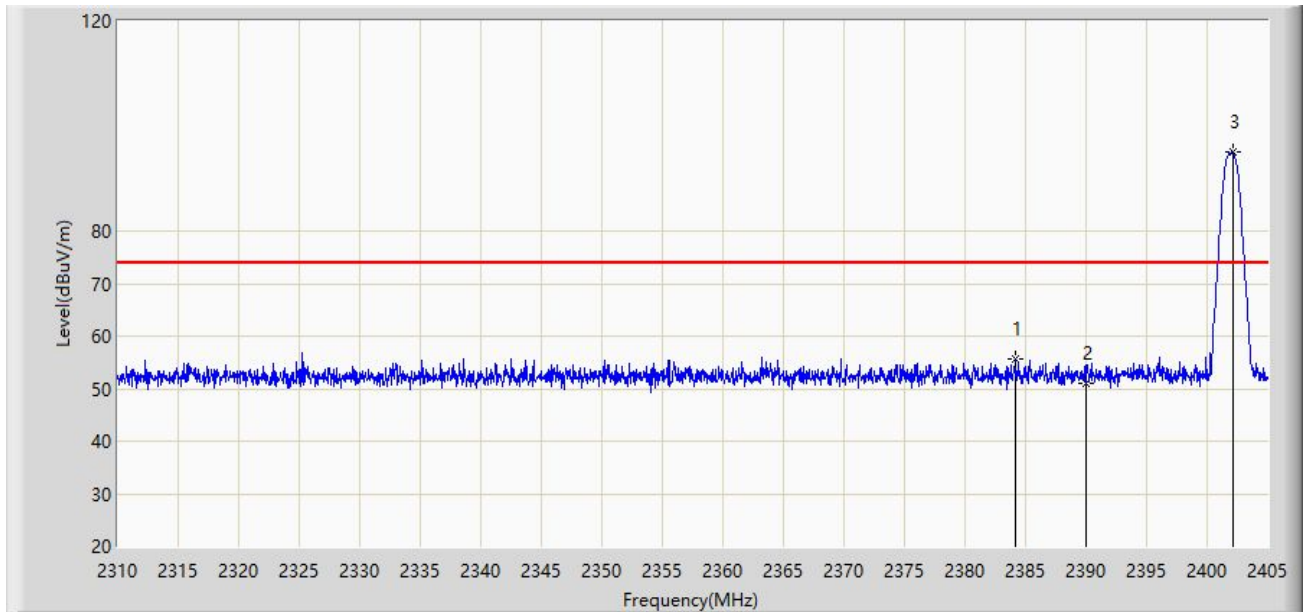


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2386.143	43.372	12.560	-10.628	54.000	30.812	AV
2			2390.000	40.997	10.181	-13.003	54.000	30.816	AV
3		*	2401.960	107.981	77.142	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2402MHz	

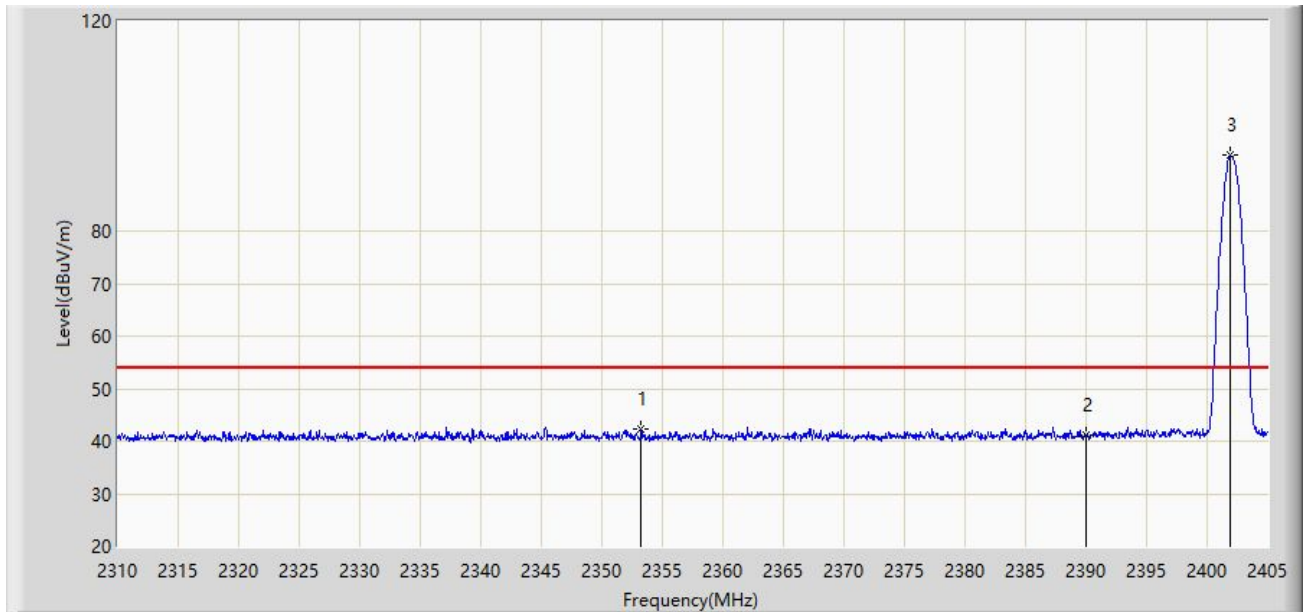


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2384.147	55.531	24.721	-18.469	74.000	30.810	PK
2			2390.000	51.119	20.303	-22.881	74.000	30.816	PK
3		*	2402.150	94.957	64.118	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2402MHz	

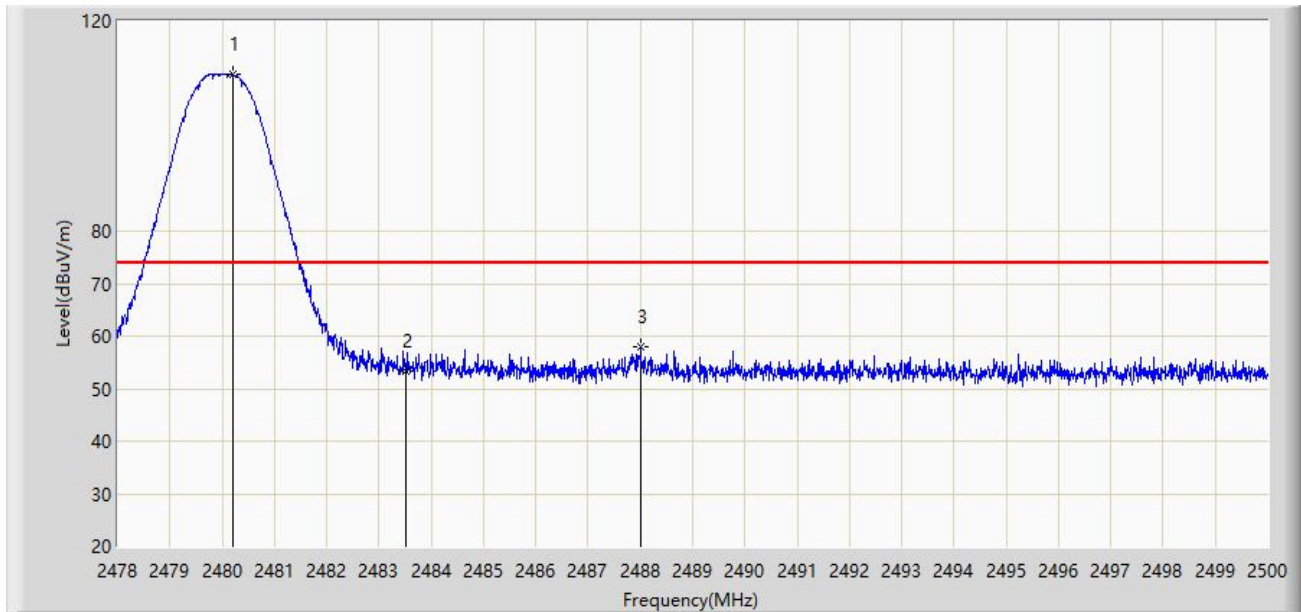


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2353.272	42.289	11.457	-11.711	54.000	30.833	AV
2			2390.000	41.214	10.398	-12.786	54.000	30.816	AV
3		*	2401.913	94.360	63.521	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2480MHz	

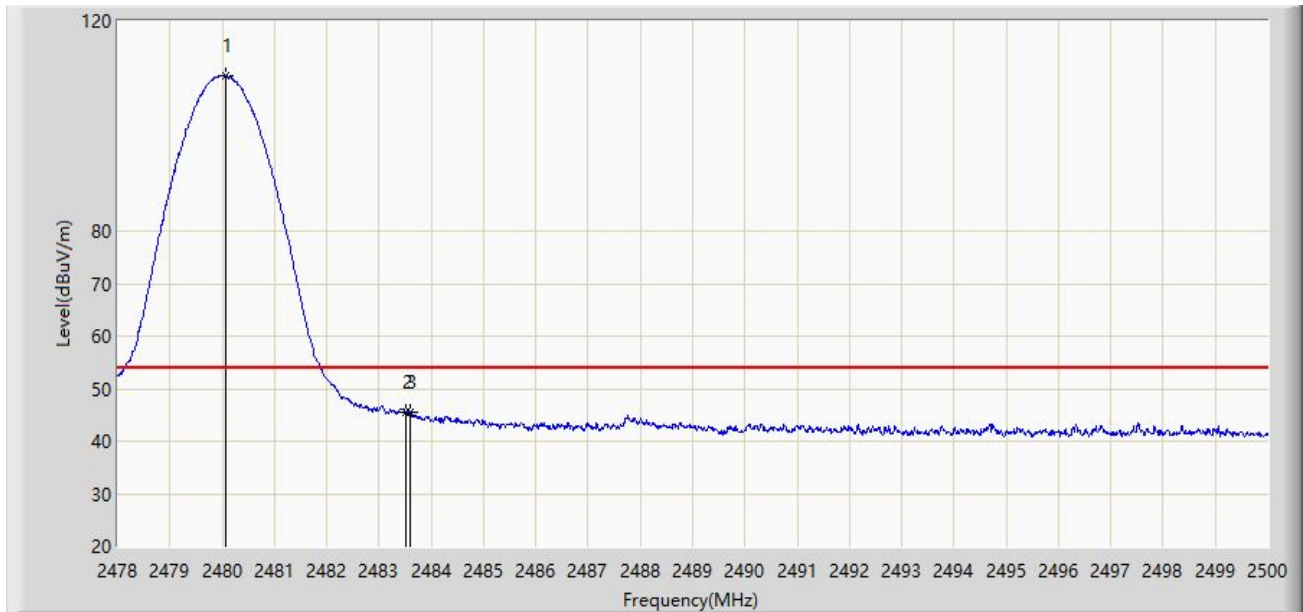


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.200	109.842	78.835	N/A	N/A	31.007	PK
2			2483.500	53.458	22.437	-20.542	74.000	31.021	PK
3			2488.010	58.022	26.982	-15.978	74.000	31.040	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2480MHz	

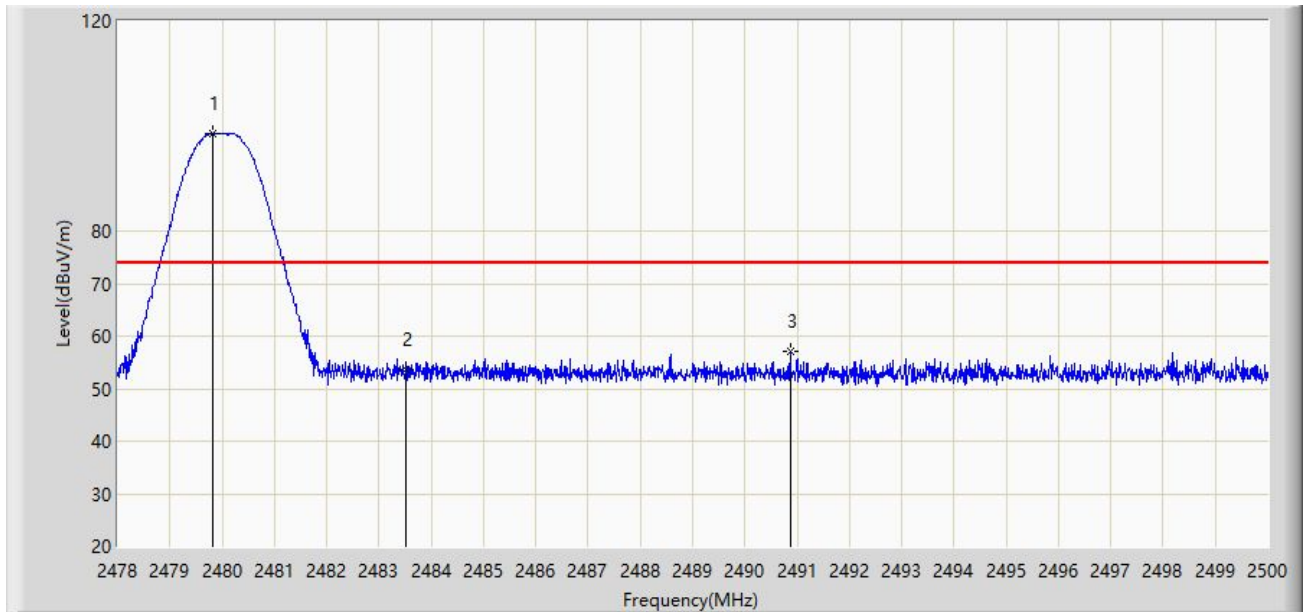


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	X	*	2480.057	109.603	78.597	N/A	N/A	31.006	AV
2			2483.500	45.483	14.462	-8.517	54.000	31.021	AV
3			2483.588	45.649	14.628	-8.351	54.000	31.021	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2480MHz	

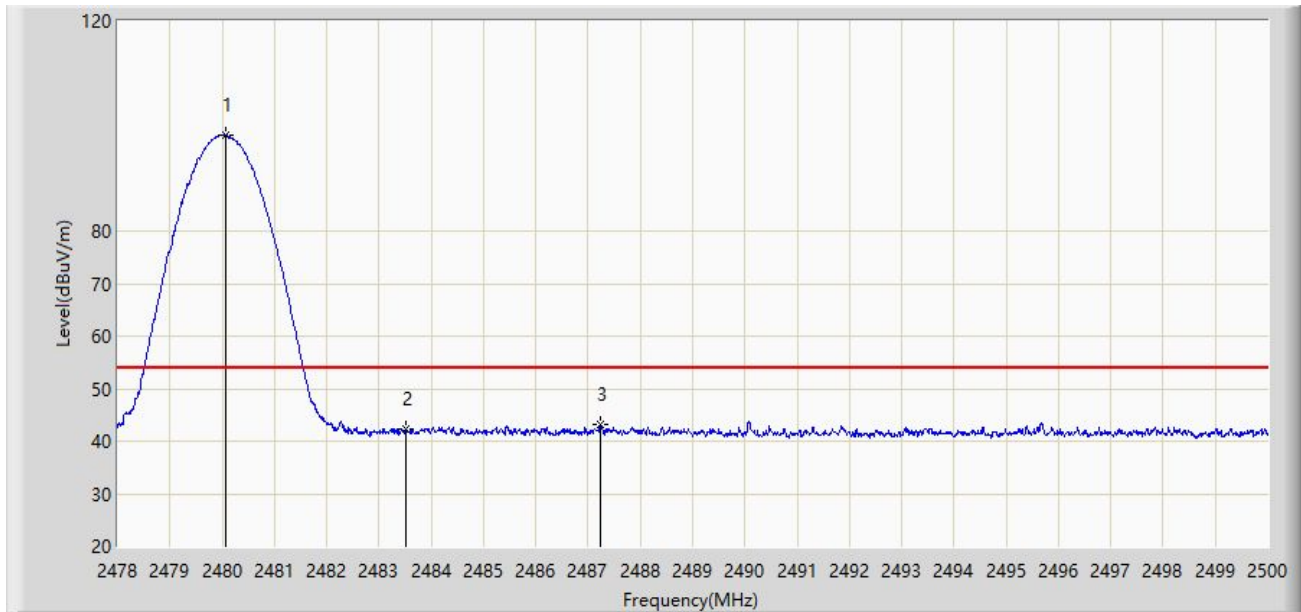


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2479.815	98.682	67.677	N/A	N/A	31.005	PK
2			2483.500	53.526	22.505	-20.474	74.000	31.021	PK
3			2490.870	56.957	25.905	-17.043	74.000	31.052	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2480MHz	

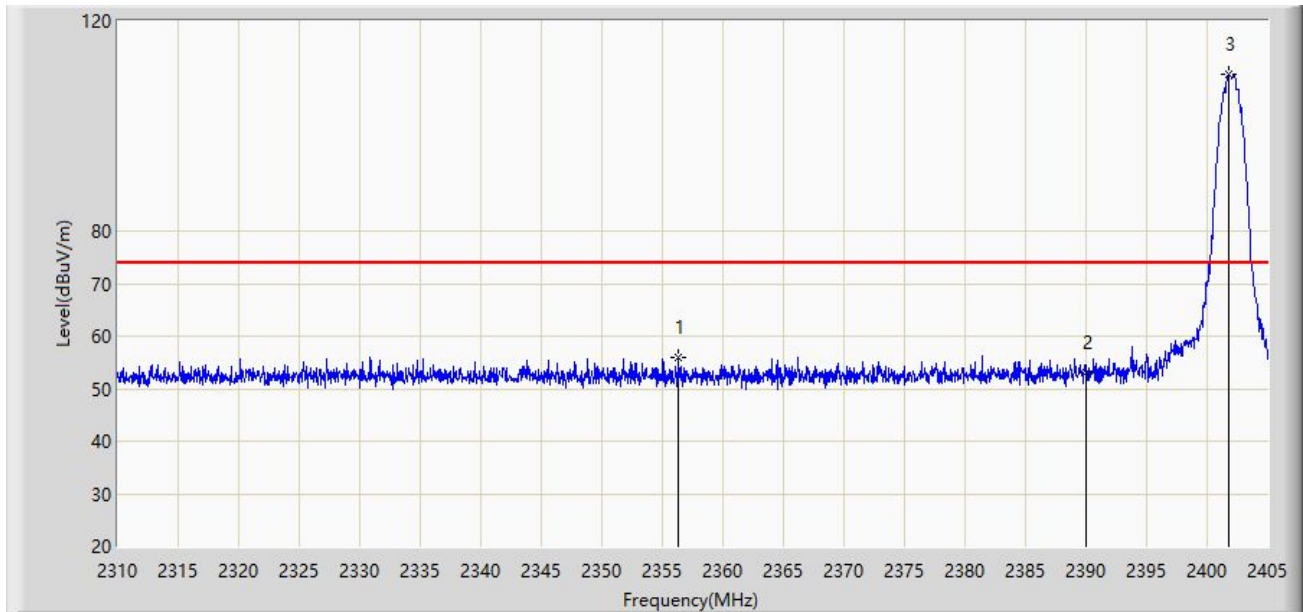


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB/m)	Type
1		*	2480.079	98.226	67.220	N/A	N/A	31.007	AV
2			2483.500	42.179	11.158	-11.821	54.000	31.021	AV
3			2487.229	43.280	12.243	-10.720	54.000	31.036	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

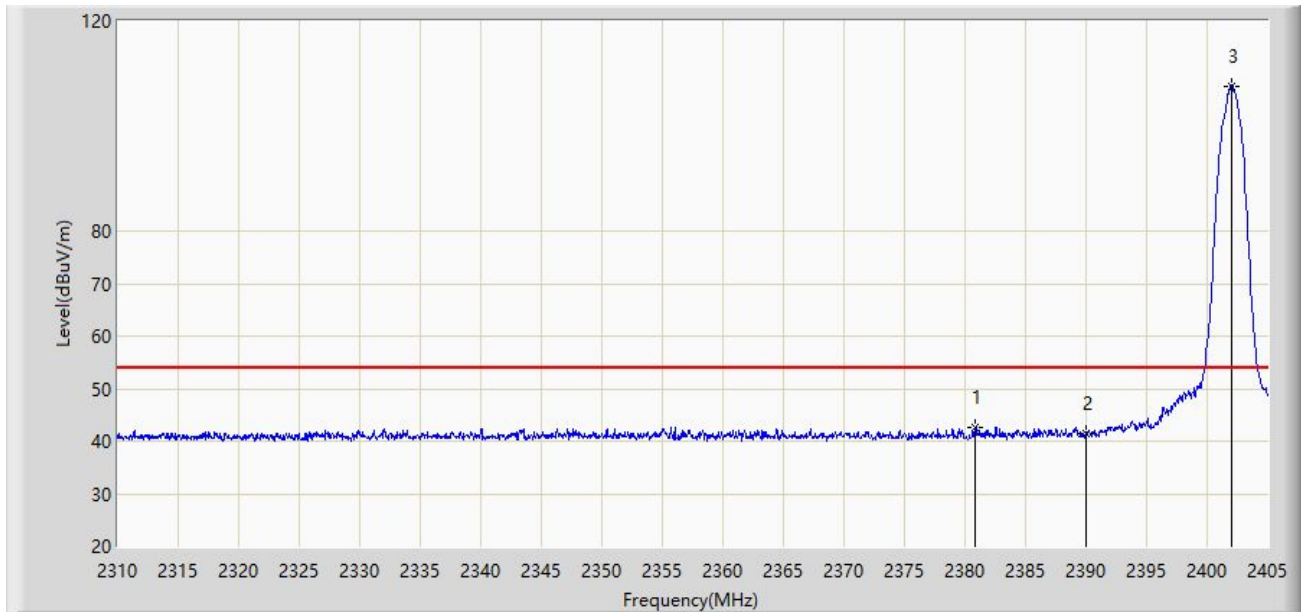


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2356.360	56.075	25.255	-17.925	74.000	30.820	PK
2			2390.000	53.002	22.186	-20.998	74.000	30.816	PK
3		*	2401.817	109.722	78.883	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

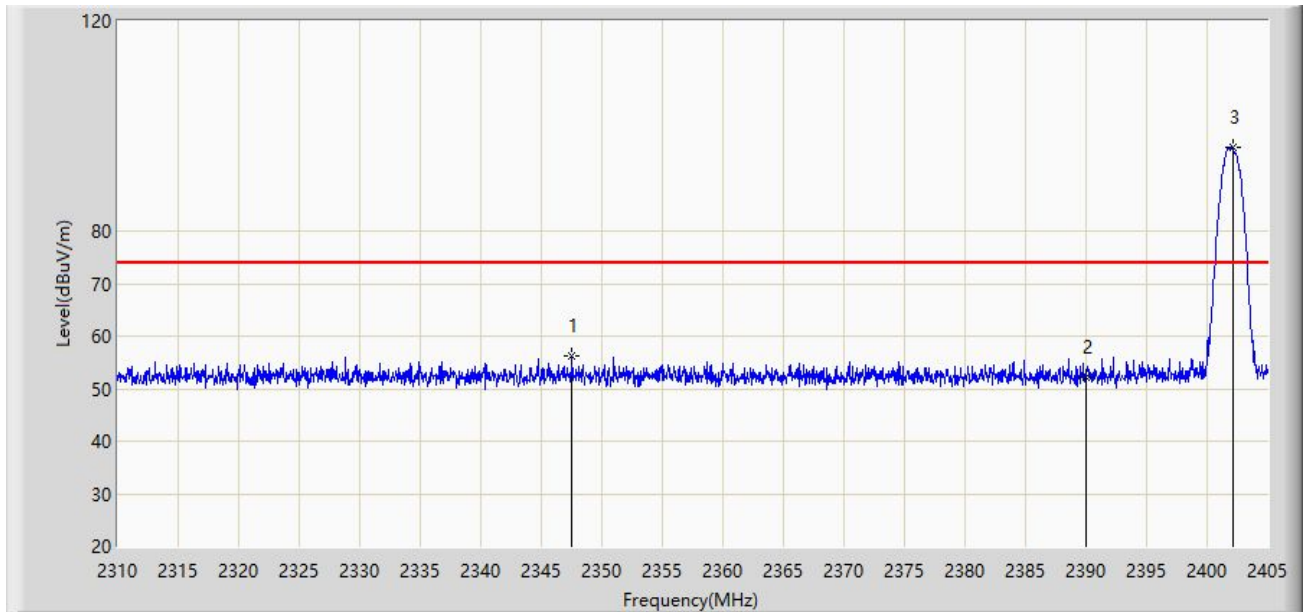


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2380.870	42.638	11.832	-11.362	54.000	30.806	AV
2			2390.000	41.391	10.575	-12.609	54.000	30.816	AV
3		*	2402.008	107.635	76.796	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

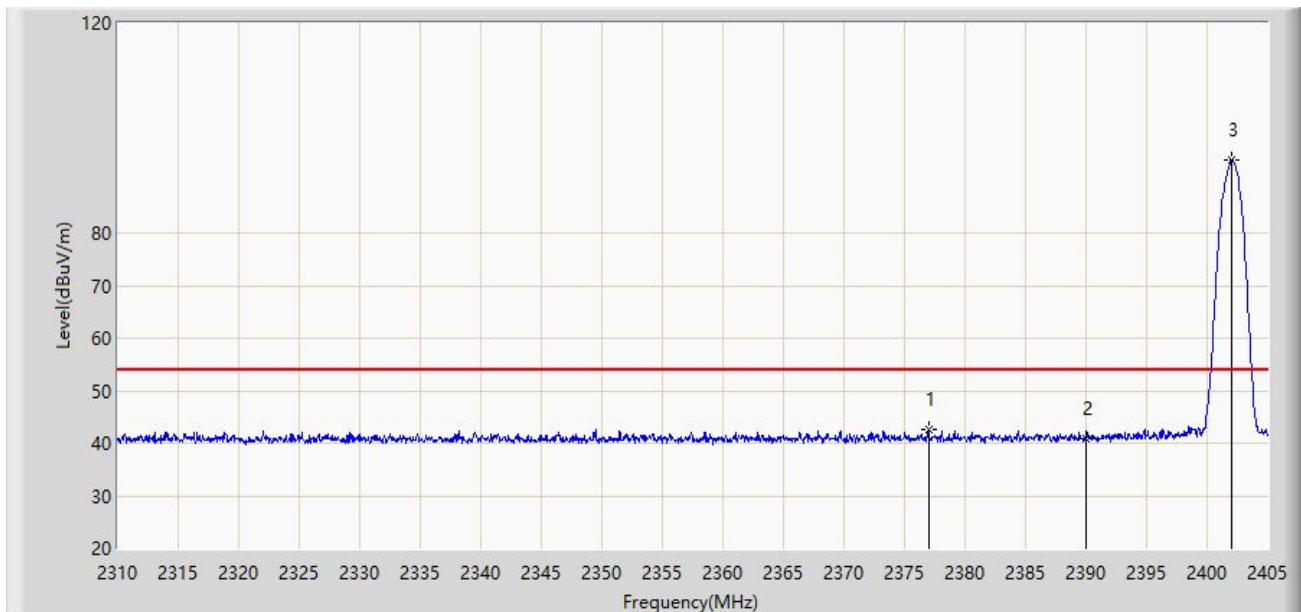


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2347.525	56.203	25.351	-17.797	74.000	30.851	PK
2			2390.000	52.259	21.443	-21.741	74.000	30.816	PK
3		*	2402.103	96.003	65.164	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2402MHz	

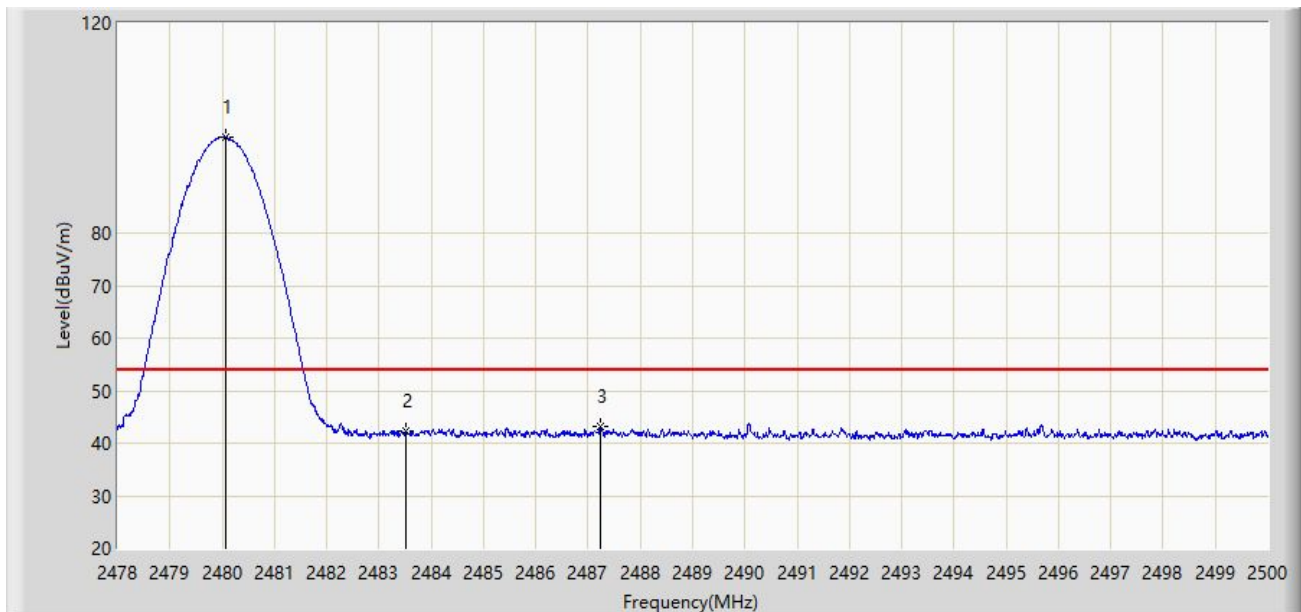


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2376.975	42.605	11.804	-11.395	54.000	30.801	AV
2			2390.000	40.936	10.120	-13.064	54.000	30.816	AV
3		*	2402.055	94.013	63.174	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by DH5 at Channel 2480MHz	

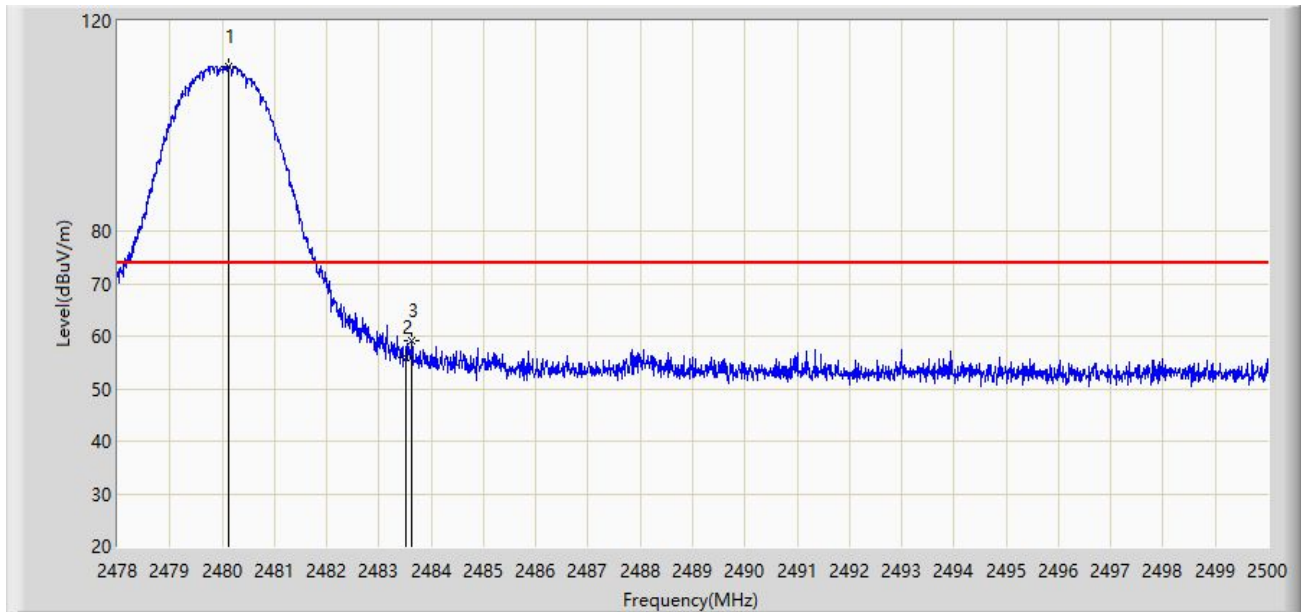


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.079	98.226	67.220	N/A	N/A	31.007	AV
2			2483.500	42.179	11.158	-11.821	54.000	31.021	AV
3			2487.229	43.280	12.243	-10.720	54.000	31.036	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

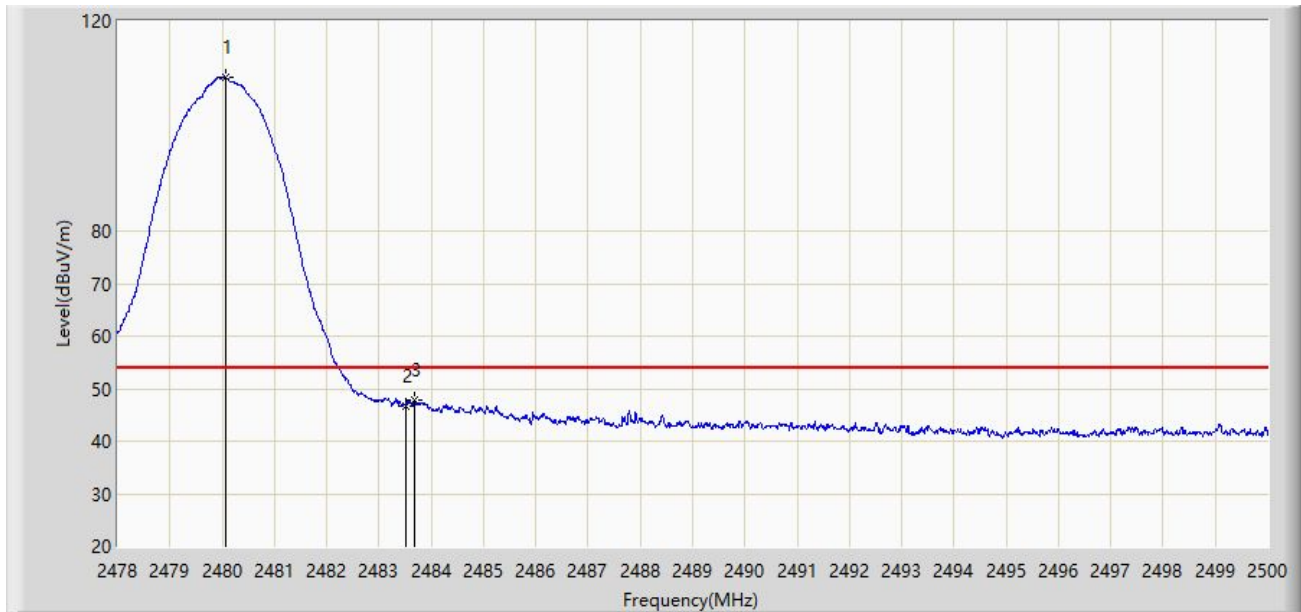


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.134	111.185	80.179	N/A	N/A	31.007	PK
2			2483.500	56.083	25.062	-17.917	74.000	31.021	PK
3			2483.632	59.263	28.242	-14.737	74.000	31.021	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

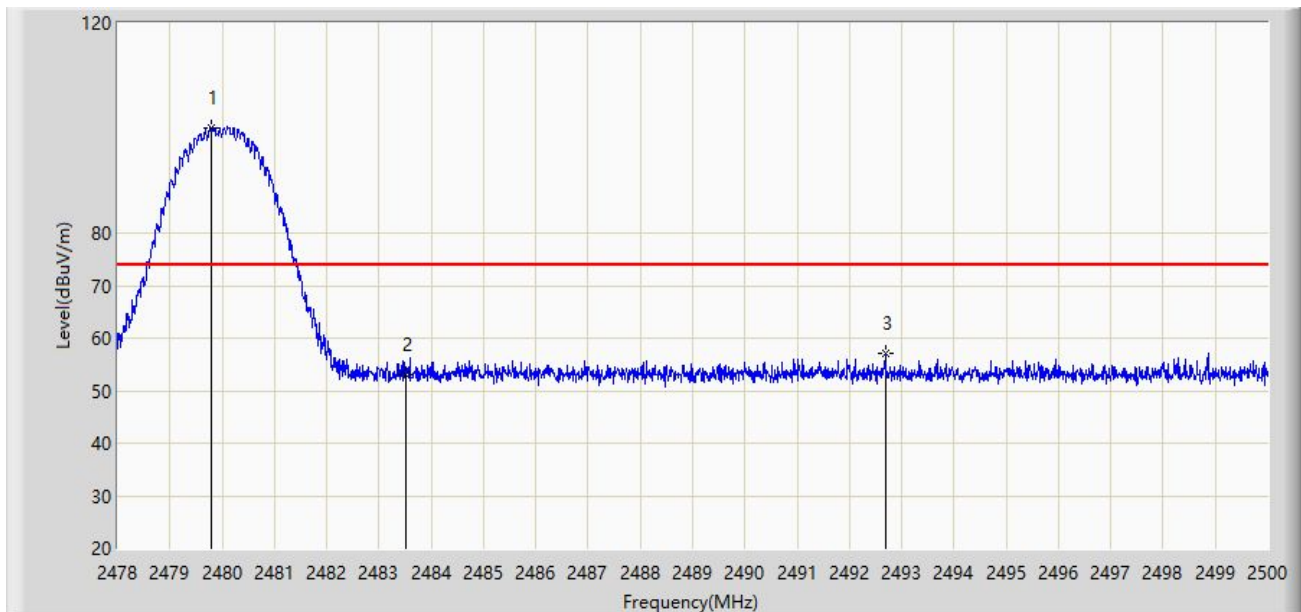


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	X	*	2480.079	109.304	78.298	N/A	N/A	31.007	AV
2			2483.500	46.721	15.700	-7.279	54.000	31.021	AV
3			2483.676	47.841	16.820	-6.159	54.000	31.021	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

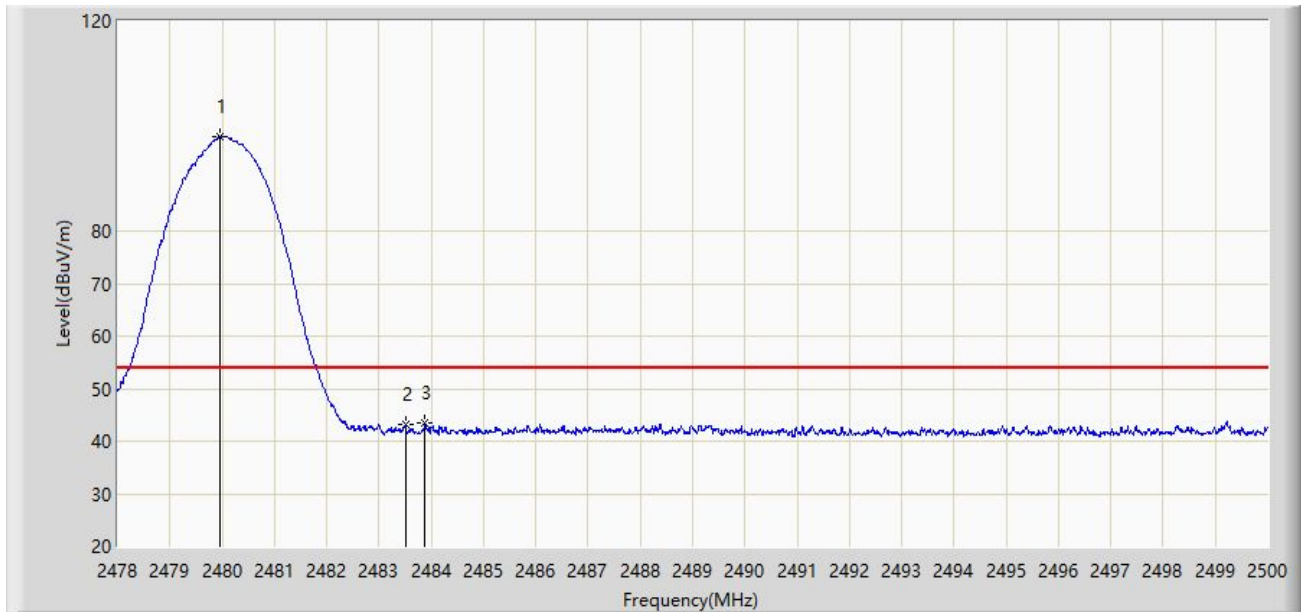


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2479.782	100.053	69.048	N/A	N/A	31.005	PK
2			2483.500	53.065	22.044	-20.935	74.000	31.021	PK
3			2492.685	56.998	25.939	-17.002	74.000	31.058	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 2DH5 at Channel 2480MHz	

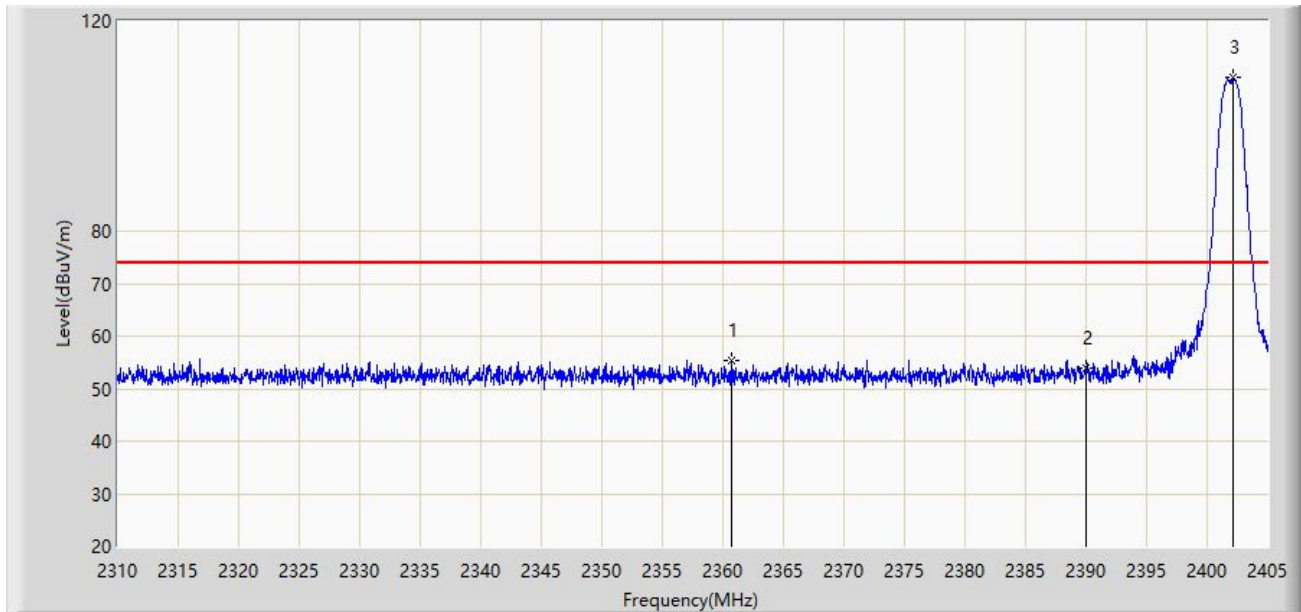


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2479.969	98.064	67.058	N/A	N/A	31.005	AV
2			2483.500	43.160	12.139	-10.840	54.000	31.021	AV
3			2483.874	43.423	12.401	-10.577	54.000	31.022	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

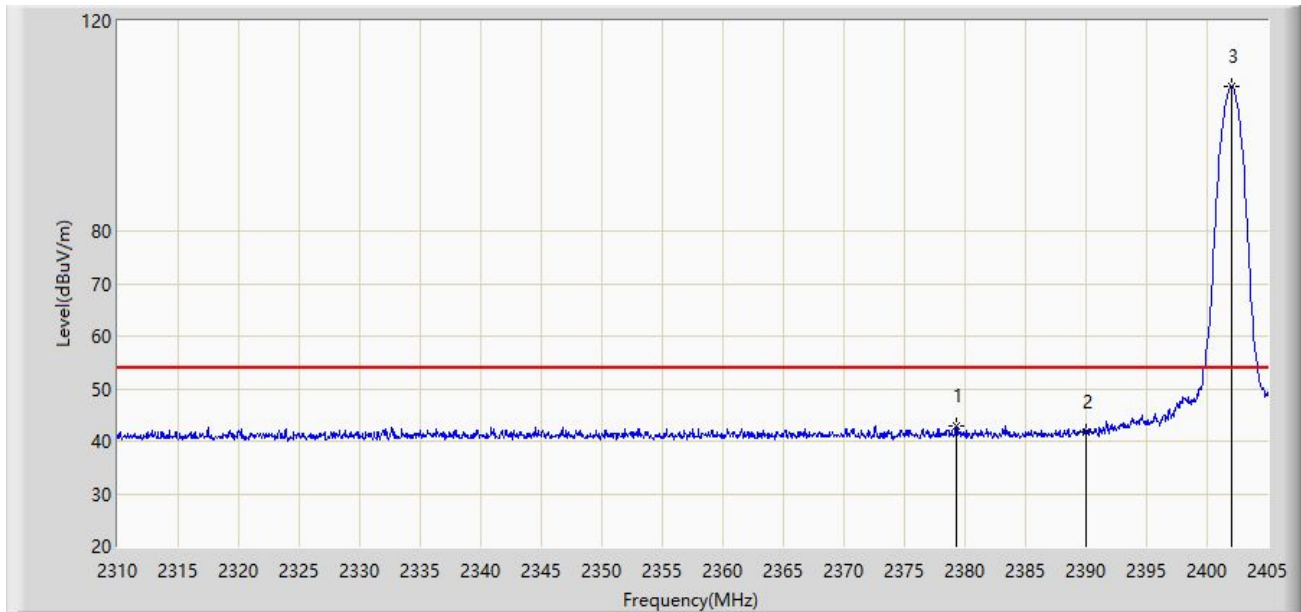


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2360.730	55.333	24.530	-18.667	74.000	30.803	PK
2			2390.000	53.824	23.008	-20.176	74.000	30.816	PK
3		*	2402.150	109.393	78.554	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

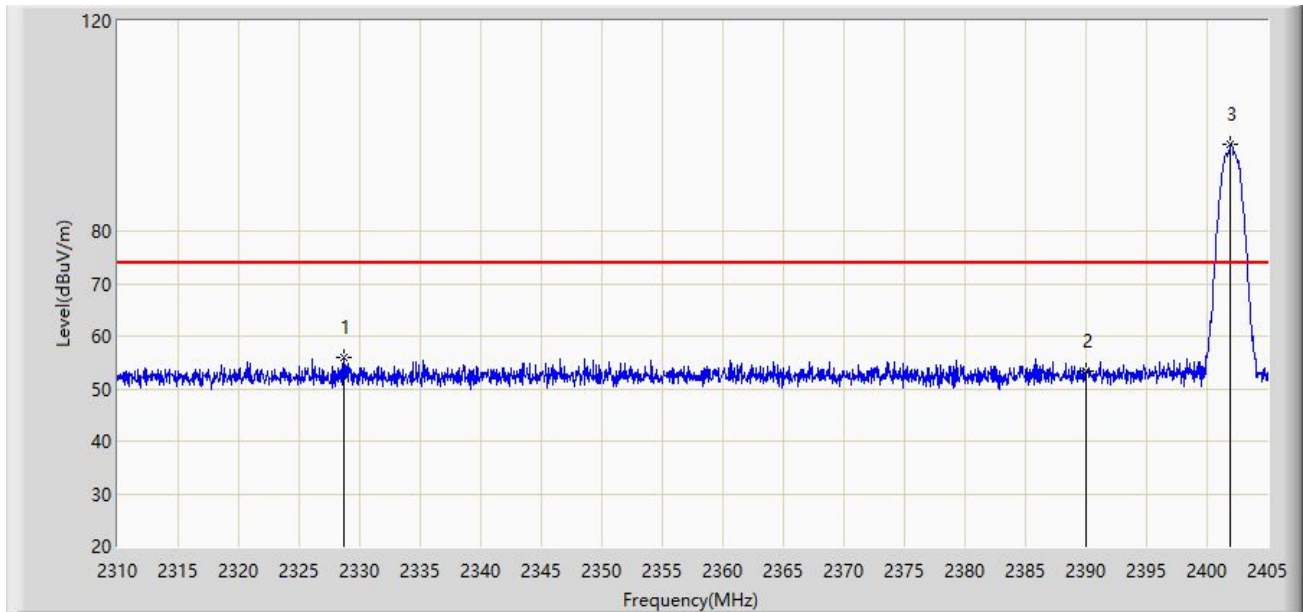


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2379.302	42.983	12.179	-11.017	54.000	30.804	AV
2			2390.000	41.764	10.948	-12.236	54.000	30.816	AV
3		*	2402.008	107.670	76.831	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

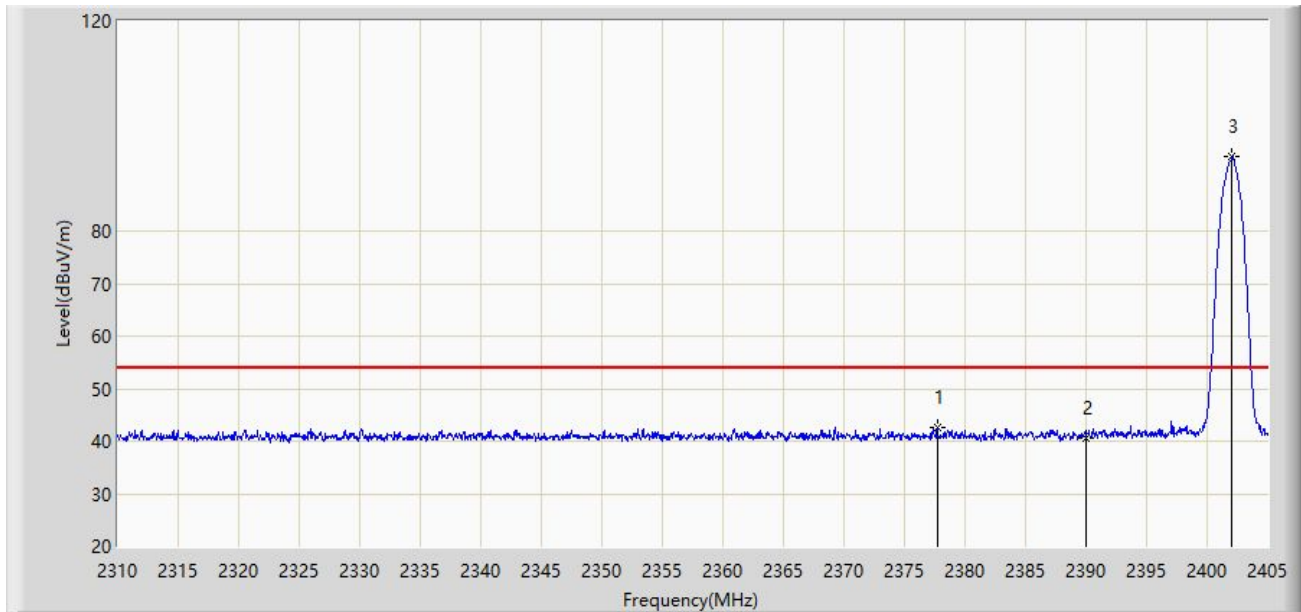


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2328.667	55.981	25.155	-18.019	74.000	30.827	PK
2			2390.000	53.414	22.598	-20.586	74.000	30.816	PK
3		*	2401.960	96.594	65.755	N/A	N/A	30.839	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2402MHz	

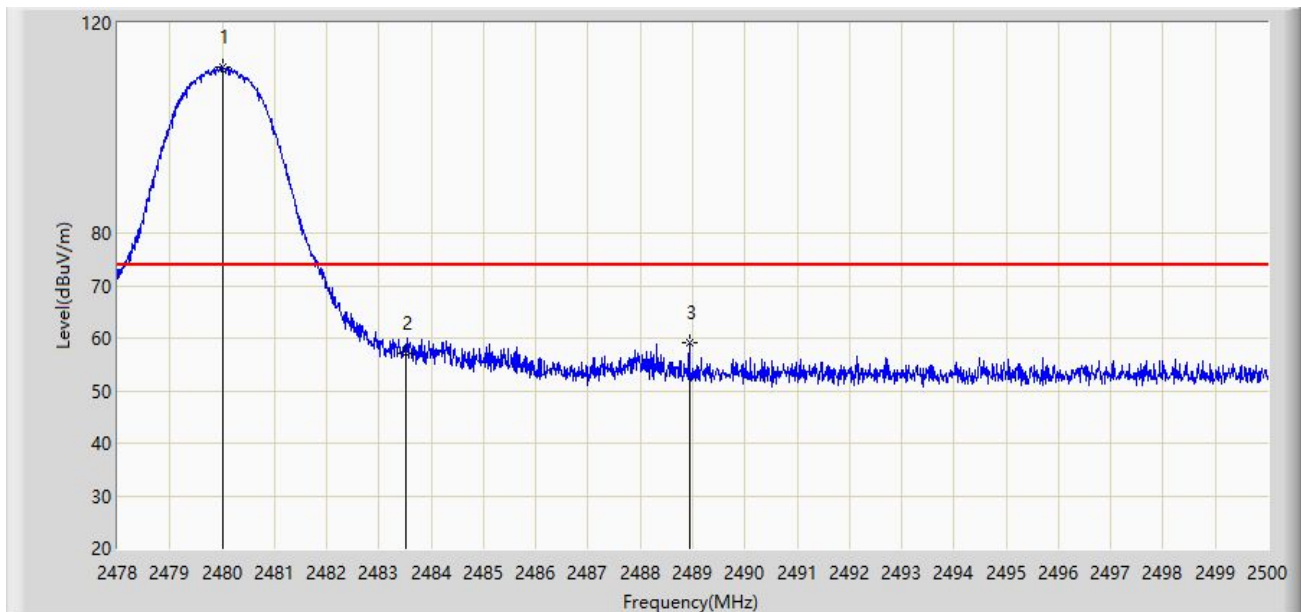


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2377.687	42.573	11.771	-11.427	54.000	30.802	AV
2			2390.000	40.612	9.796	-13.388	54.000	30.816	AV
3		*	2402.055	94.124	63.285	N/A	N/A	30.839	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

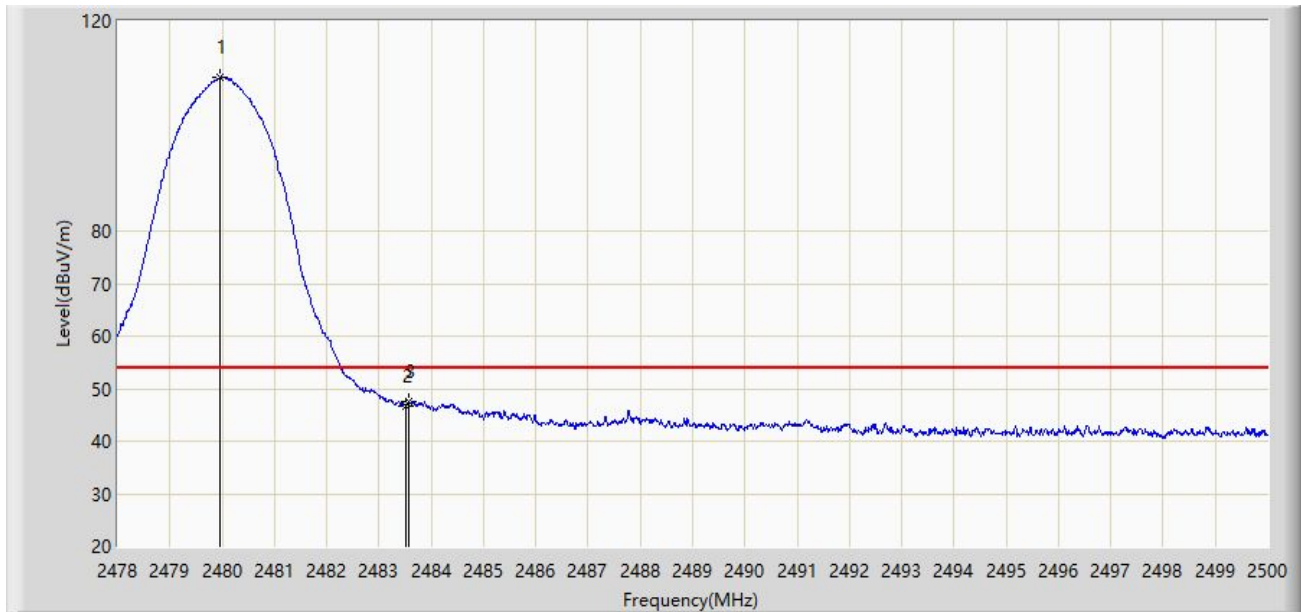


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.013	111.670	80.664	N/A	N/A	31.006	PK
2			2483.500	57.127	26.106	-16.873	74.000	31.021	PK
3			2488.934	59.227	28.183	-14.773	74.000	31.043	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

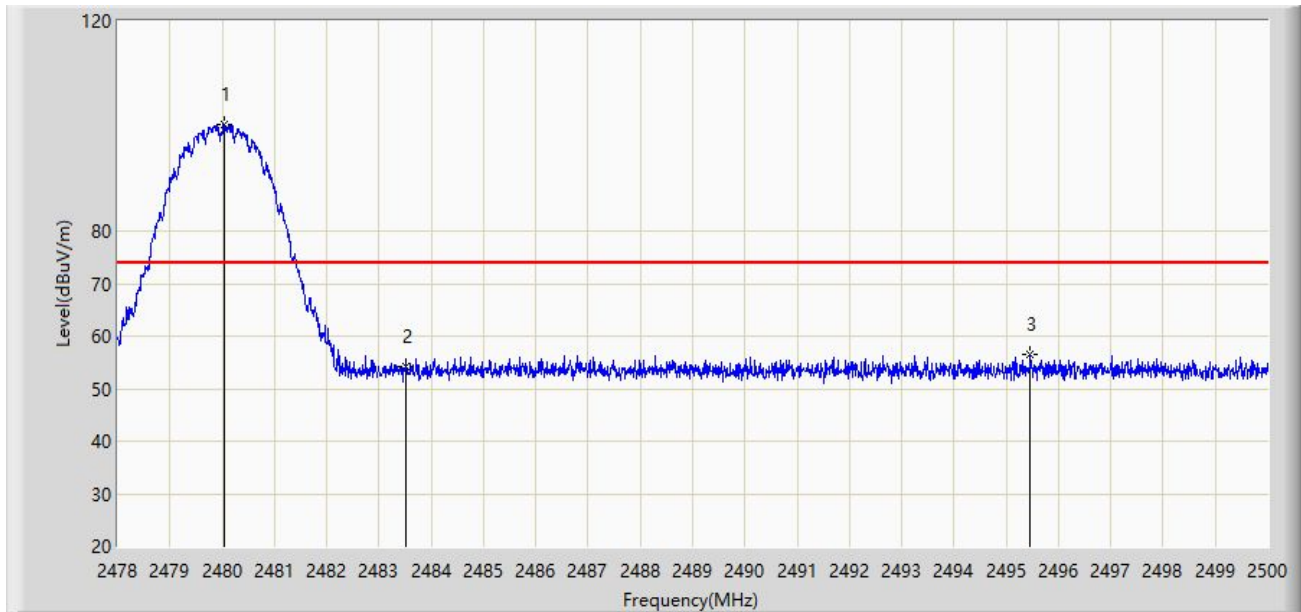


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	X	*	2479.969	109.323	78.317	N/A	N/A	31.005	AV
2			2483.500	46.647	15.626	-7.353	54.000	31.021	AV
3			2483.566	47.577	16.556	-6.423	54.000	31.021	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2480MHz	

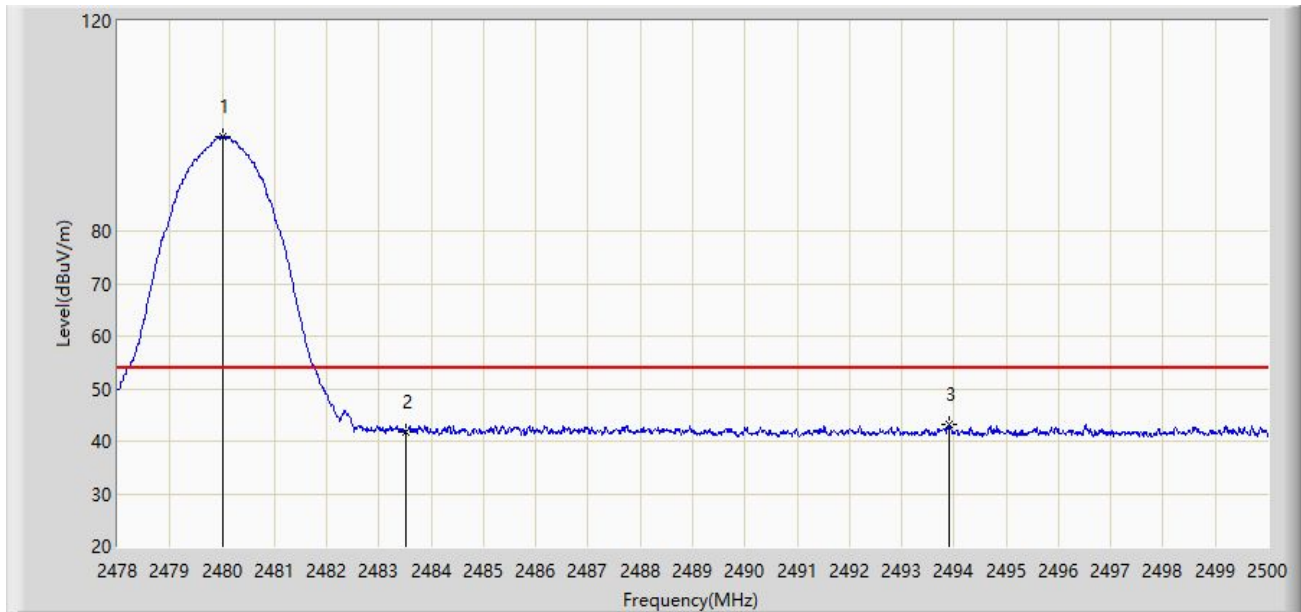


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.046	100.317	69.311	N/A	N/A	31.006	PK
2			2483.500	54.116	23.095	-19.884	74.000	31.021	PK
3			2495.457	56.527	25.461	-17.473	74.000	31.066	PK

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC1	Test Date: 2022/01/28
Limit: FCC_ Part 15.209_RE(3m)	Engineer: Lucas Wang
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Bluetooth Module	Power: By PC
Test Mode: Transmit by 3DH5 at Channel 2480MHz	



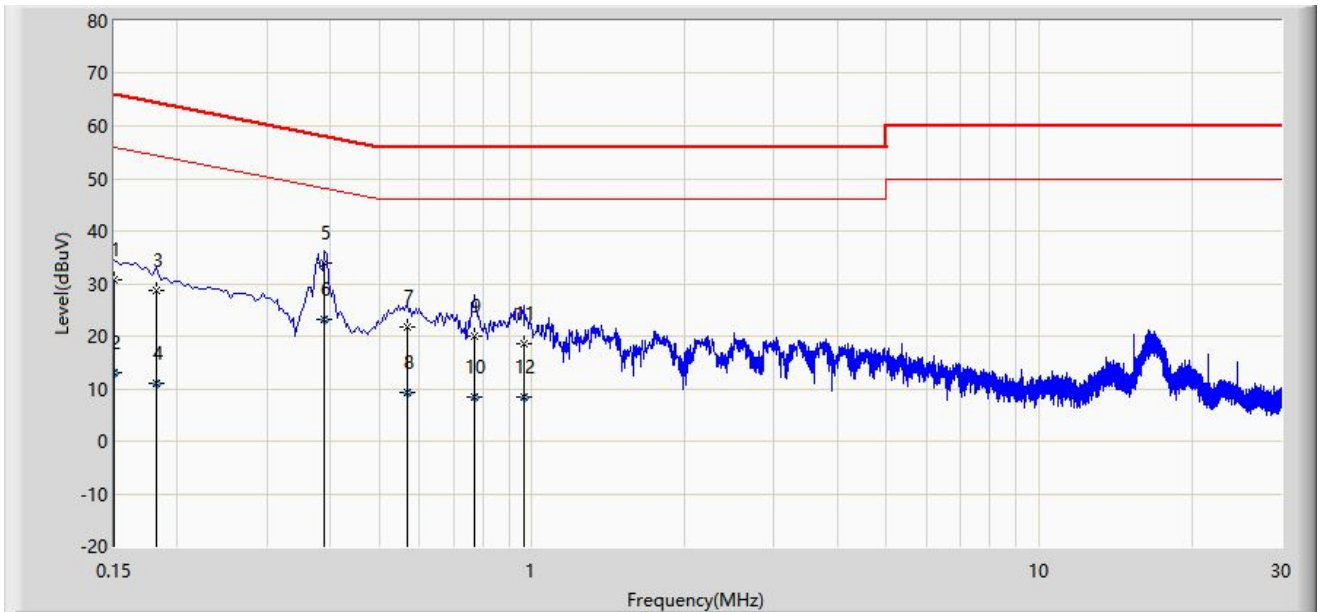
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.013	97.943	66.937	N/A	N/A	31.006	AV
2			2483.500	41.735	10.714	-12.265	54.000	31.021	AV
3			2493.917	43.237	12.175	-10.763	54.000	31.062	AV

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

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

A.11 AC Conducted Emissions Test Result

Site: WZ-SR2	Time: 2022/02/11
Limit: FCC_Part15.207_CE_AC Power	Engineer: Helen Han
Probe: ENV216_101683_Filter Off_E	Polarity: Line
EUT: Bluetooth Module	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2402MHz	

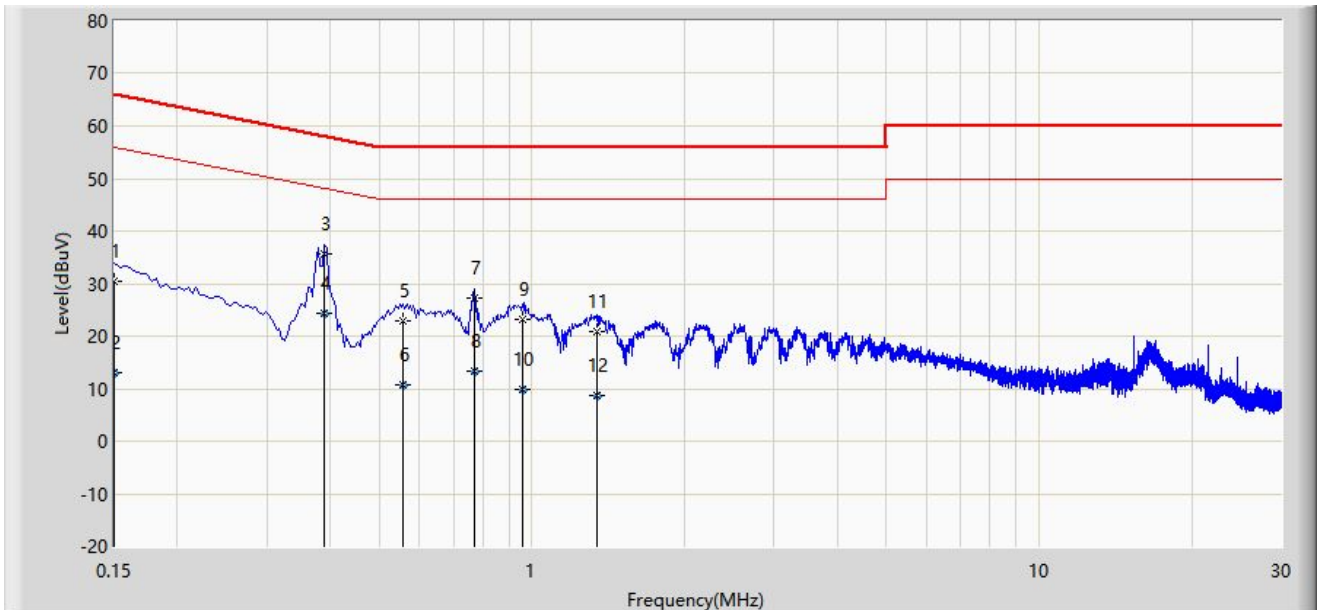


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1			0.150	30.716	20.814	-35.284	66.000	9.901	QP
2			0.150	12.921	3.020	-43.079	56.000	9.901	AV
3			0.182	28.736	18.836	-35.658	64.394	9.900	QP
4			0.182	10.878	0.978	-43.515	54.394	9.900	AV
5		*	0.390	33.818	23.906	-24.245	58.064	9.912	QP
6			0.390	23.268	13.355	-24.796	48.064	9.912	AV
7			0.566	21.789	11.866	-34.211	56.000	9.923	QP
8			0.566	9.398	-0.525	-36.602	46.000	9.923	AV
9			0.770	20.028	10.095	-35.972	56.000	9.933	QP
10			0.770	8.474	-1.459	-37.526	46.000	9.933	AV
11			0.962	18.504	8.556	-37.496	56.000	9.948	QP
12			0.962	8.515	-1.433	-37.485	46.000	9.948	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: WZ-SR2	Time: 2022/02/11
Temperature: 22.7°C	Humidity: 36.8%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Helen Han
Probe: ENV216_101683_Filter Off_E	Polarity: Neutral
EUT: Bluetooth Module	Power: AC 120V/60Hz
Test Mode: Transmit by 3DH5 at channel 2402MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1			0.150	30.466	20.546	-35.534	66.000	9.920	QP
2			0.150	12.965	3.045	-43.035	56.000	9.920	AV
3		*	0.390	35.622	25.700	-22.441	58.064	9.922	QP
4			0.390	24.406	14.483	-23.658	48.064	9.922	AV
5			0.558	22.935	13.000	-33.065	56.000	9.935	QP
6			0.558	10.731	0.796	-35.269	46.000	9.935	AV
7			0.770	27.340	17.389	-28.660	56.000	9.951	QP
8			0.770	13.446	3.495	-32.554	46.000	9.951	AV
9			0.958	23.067	13.108	-32.933	56.000	9.959	QP
10			0.958	9.922	-0.036	-36.078	46.000	9.959	AV
11			1.342	20.819	10.849	-35.181	56.000	9.970	QP
12			1.342	8.559	-1.412	-37.441	46.000	9.970	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Appendix B - Test Setup Photograph

Refer to "2112RSU099-UT" file.

Appendix C - EUT Photograph

Refer to “ 2112RSU099-UE” file.

_____ The End _____