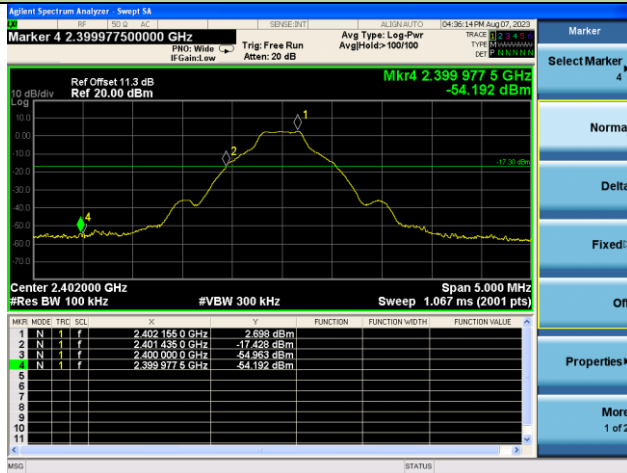
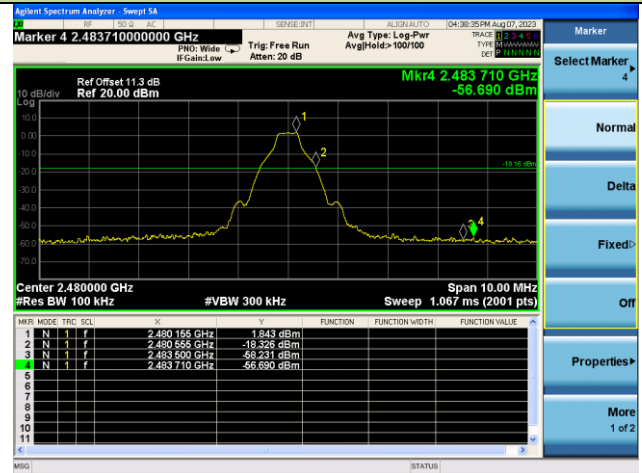


Band-edge Compliance

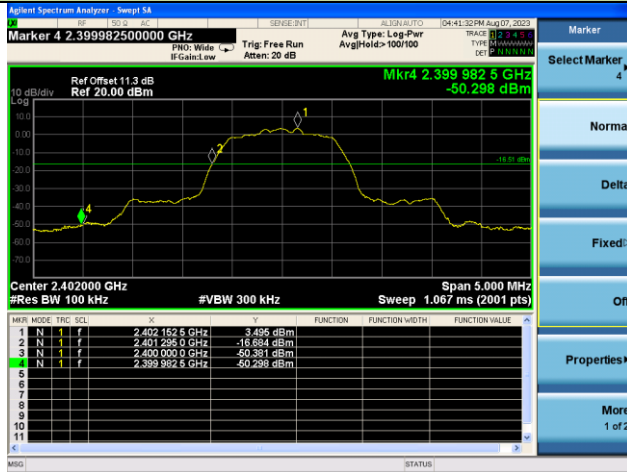
DH5 - Channel 00 (2402MHz)



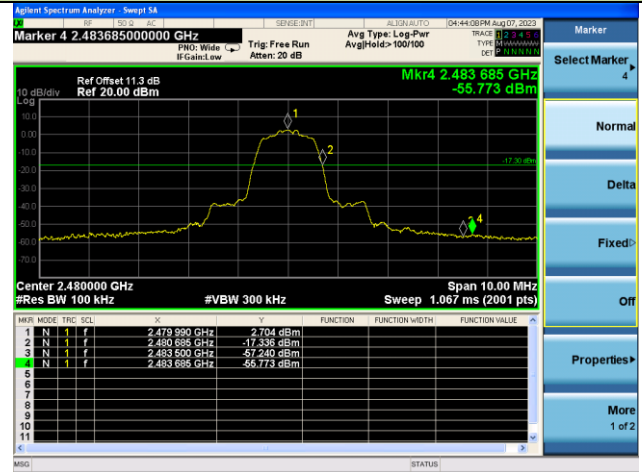
DH5 - Channel 78 (2480MHz)



2DH5 - Channel 00 (2402MHz)



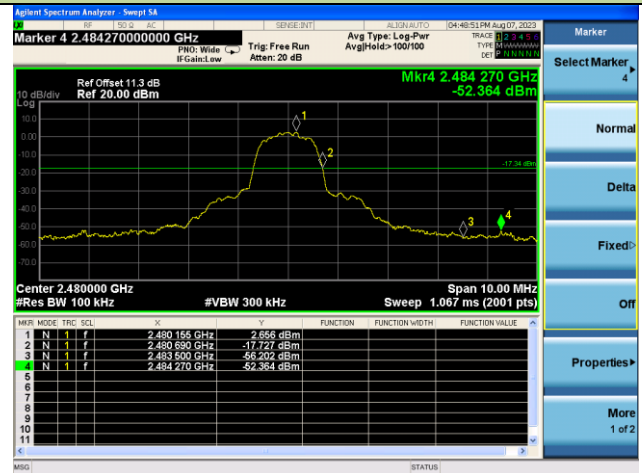
2DH5 - Channel 78 (2480MHz)



3DH5 - Channel 00 (2402MHz)

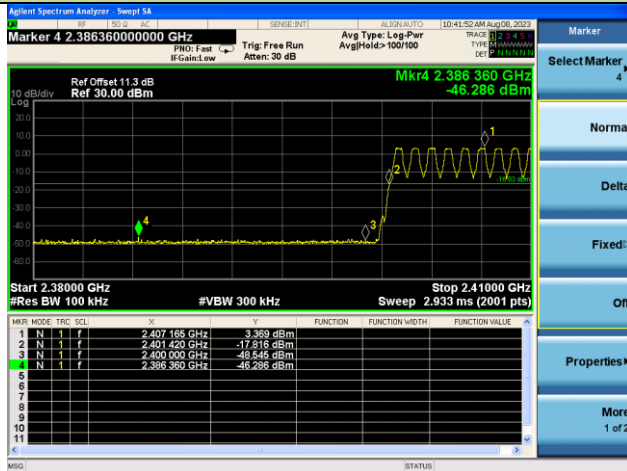


3DH5 - Channel 78 (2480MHz)

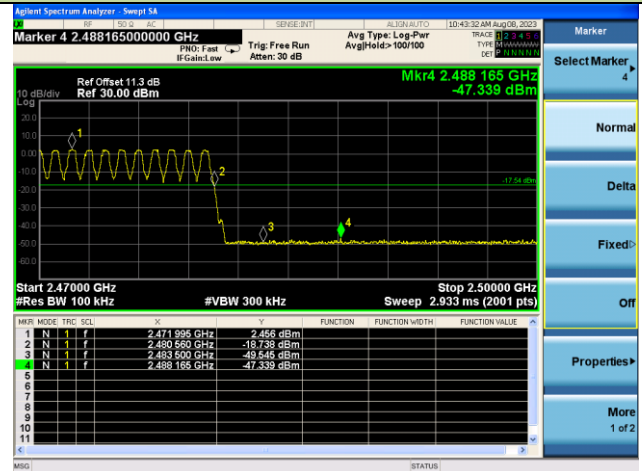


Band-edge Compliance for Hopping Mode

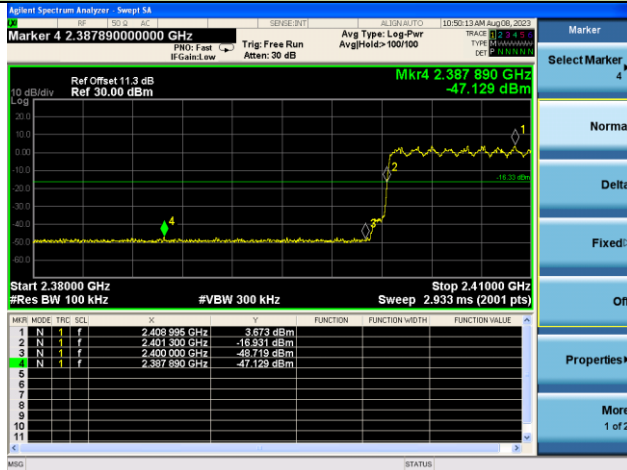
DH5 - Channel 00 (2402MHz)



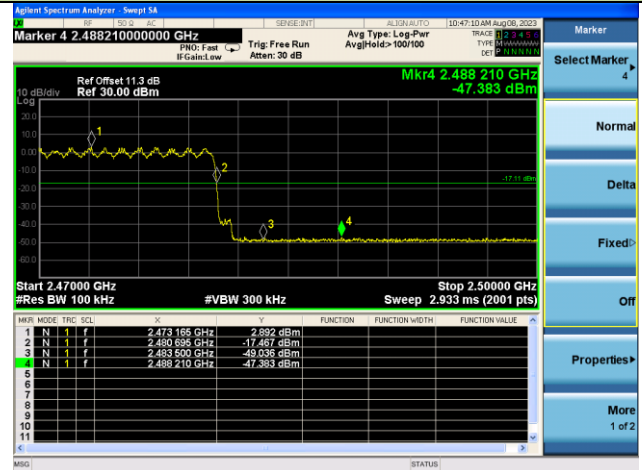
DH5 - Channel 78 (2480MHz)



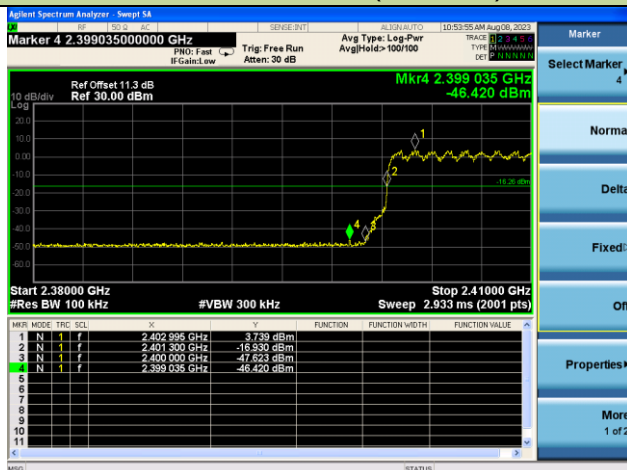
2DH5 - Channel 00 (2402MHz)



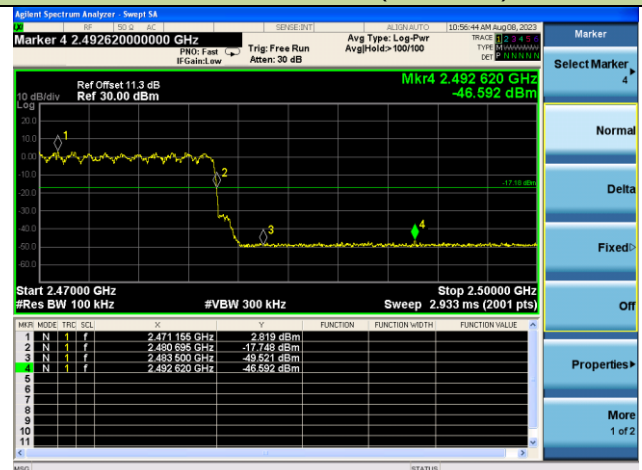
2DH5 - Channel 78 (2480MHz)



3DH5 - Channel 00 (2402MHz)



3DH5 - Channel 78 (2480MHz)



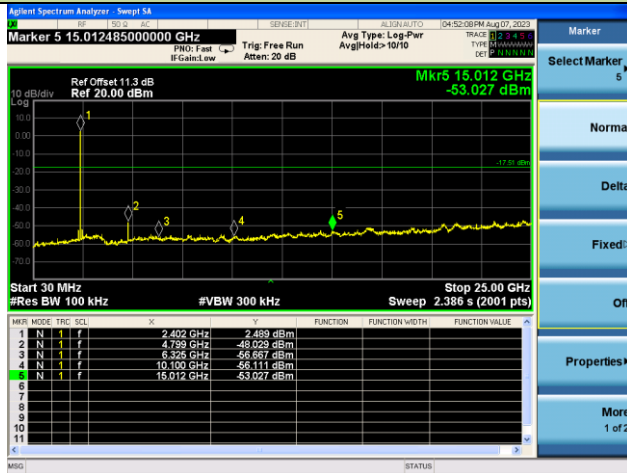
A.8 Conducted Spurious Emissions Test Result

Test Site	NS-TR2	Test Engineer	Summer Tang
Test Date	2023-08-07		

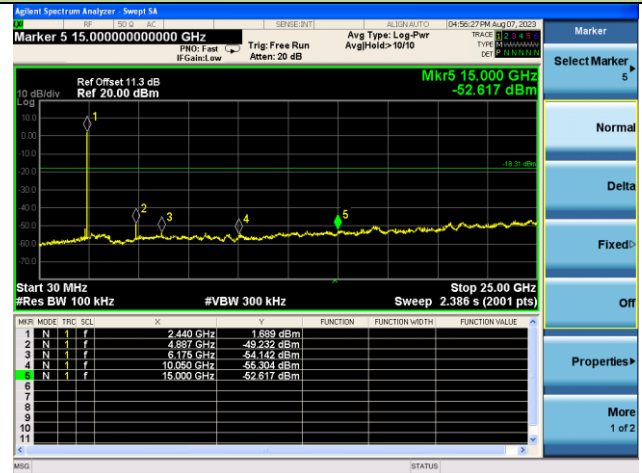
Test Mode	Channel No.	Frequency (MHz)	Limit (dBc)	Result
DH5	00	2402	20	Pass
DH5	39	2441	20	Pass
DH5	78	2480	20	Pass
2DH5	00	2402	20	Pass
2DH5	39	2441	20	Pass
2DH5	78	2480	20	Pass
3DH5	00	2402	20	Pass
3DH5	39	2441	20	Pass
3DH5	78	2480	20	Pass

DH5 Conducted Spurious Emissions

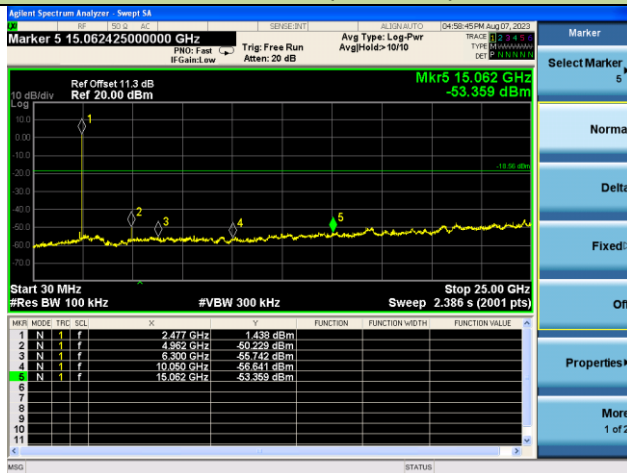
Channel 00 (2402MHz)



Channel 39 (2441MHz)

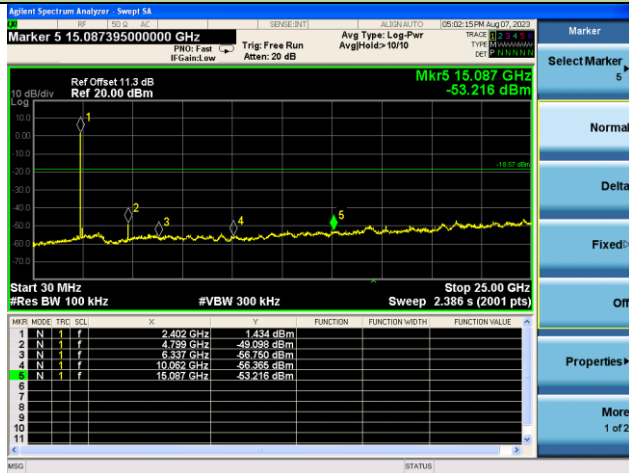


Channel 78 (2480MHz)

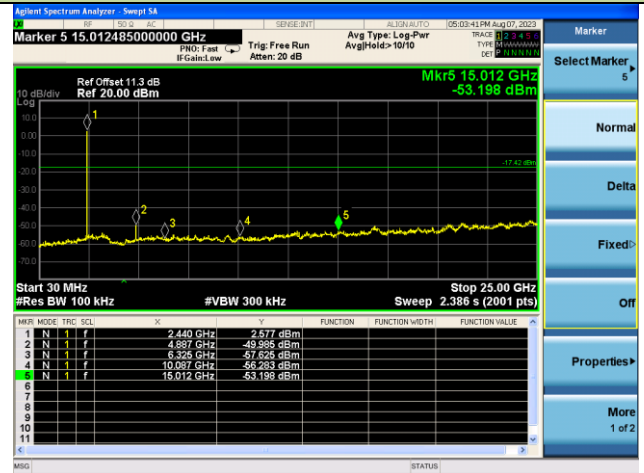


2DH5 Conducted Spurious Emissions

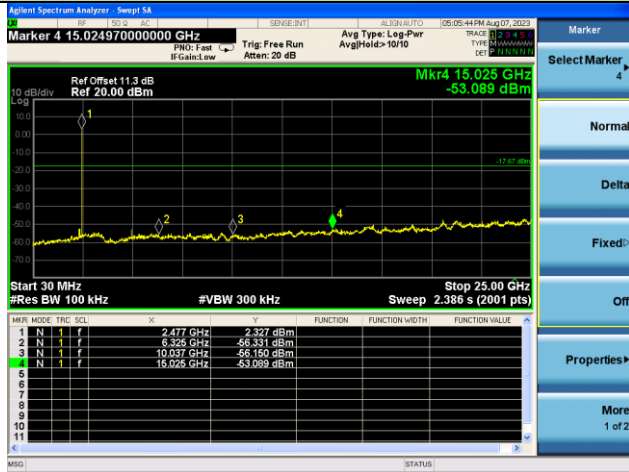
Channel 00 (2402MHz)



Channel 39 (2441MHz)

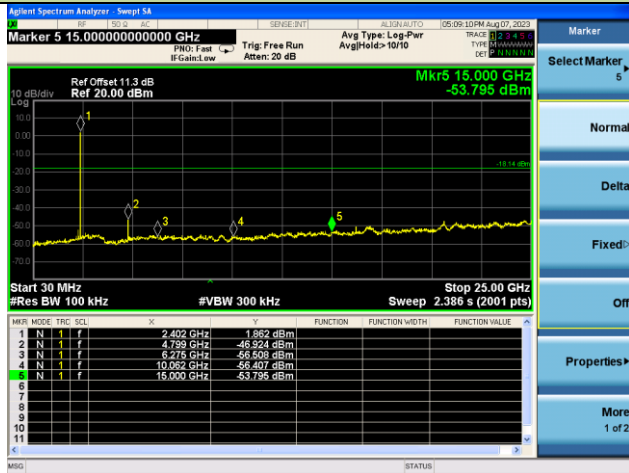


Channel 78 (2480MHz)

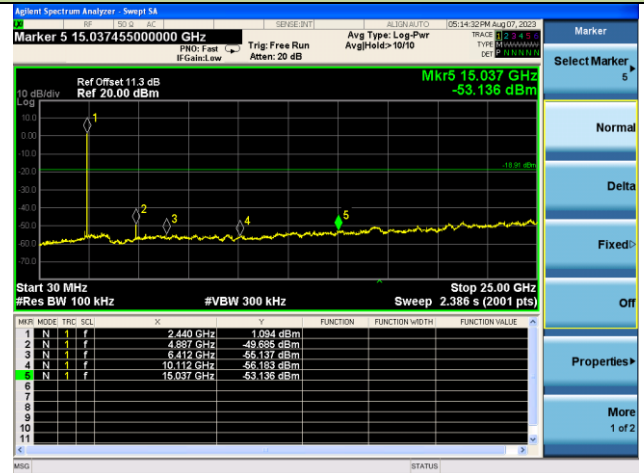


3DH5 Conducted Spurious Emissions

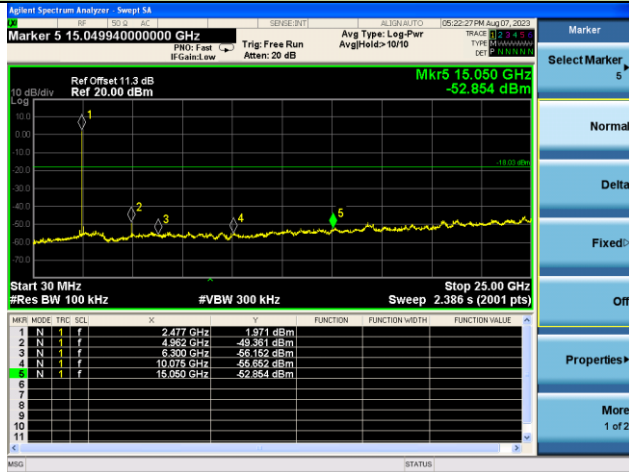
Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



A.9 Radiated Spurious Emission Test Result

Test Site	NS-AC1	Test Engineer	Flag Yang
Test Date	2023-08-09	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	4808.0	38.2	1.4	39.6	74.0	-34.4	Peak	Horizontal
	7341.0	33.8	10.0	43.8	74.0	-30.2	Peak	Horizontal
	11004.5	31.9	14.7	46.6	74.0	-27.4	Peak	Horizontal
	4799.5	37.5	1.5	39.0	74.0	-35.0	Peak	Vertical
	8361.0	35.3	9.7	45.0	74.0	-29.0	Peak	Vertical
	11285.0	31.8	15.5	47.3	74.0	-26.7	Peak	Vertical
39	4621.0	35.9	1.8	37.7	74.0	-36.3	Peak	Horizontal
	8199.5	32.8	9.2	42.0	74.0	-32.0	Peak	Horizontal
	10902.5	30.9	14.8	45.7	74.0	-28.3	Peak	Horizontal
	4748.5	38.1	1.6	39.7	74.0	-34.3	Peak	Vertical
	8310.0	35.4	9.3	44.7	74.0	-29.3	Peak	Vertical
	10877.0	33.0	14.7	47.7	74.0	-26.3	Peak	Vertical
78	4961.0	38.6	1.8	40.4	74.0	-33.6	Peak	Horizontal
	8165.5	35.9	9.0	44.9	74.0	-29.1	Peak	Horizontal
	11072.5	31.3	15.9	47.2	74.0	-26.8	Peak	Horizontal
	4655.0	36.6	1.4	38.0	74.0	-36.0	Peak	Vertical
	8250.5	34.8	9.0	43.8	74.0	-30.2	Peak	Vertical
	11149.0	31.2	15.4	46.6	74.0	-27.4	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)								

Test Site	NS-AC1	Test Engineer	Flag Yang
Test Date	2023-08-09	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	4799.5	37.2	1.5	38.7	74.0	-35.3	Peak	Horizontal
	8182.5	35.3	9.1	44.4	74.0	-29.6	Peak	Horizontal
	11268.0	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
	4799.5	38.0	1.5	39.5	74.0	-34.5	Peak	Vertical
	8352.5	35.1	9.7	44.8	74.0	-29.2	Peak	Vertical
	10826.0	32.9	14.8	47.7	74.0	-26.3	Peak	Vertical
39	4646.5	36.5	1.5	38.0	74.0	-36.0	Peak	Horizontal
	8327.0	36.1	9.3	45.4	74.0	-28.6	Peak	Horizontal
	10928.0	32.7	14.7	47.4	74.0	-26.6	Peak	Horizontal
	4765.5	36.0	1.8	37.8	74.0	-36.2	Peak	Vertical
	8148.5	32.9	9.0	41.9	74.0	-32.1	Peak	Vertical
	10843.0	31.4	14.7	46.1	74.0	-27.9	Peak	Vertical
78	4689.0	35.2	1.8	37.0	74.0	-37.0	Peak	Horizontal
	8199.5	32.8	9.2	42.0	74.0	-32.0	Peak	Horizontal
	11021.5	31.0	15.0	46.0	74.0	-28.0	Peak	Horizontal
	4646.5	36.6	1.5	38.1	74.0	-35.9	Peak	Vertical
	8208.0	33.3	9.2	42.5	74.0	-31.5	Peak	Vertical
	11013.0	31.6	14.8	46.4	74.0	-27.6	Peak	Vertical

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

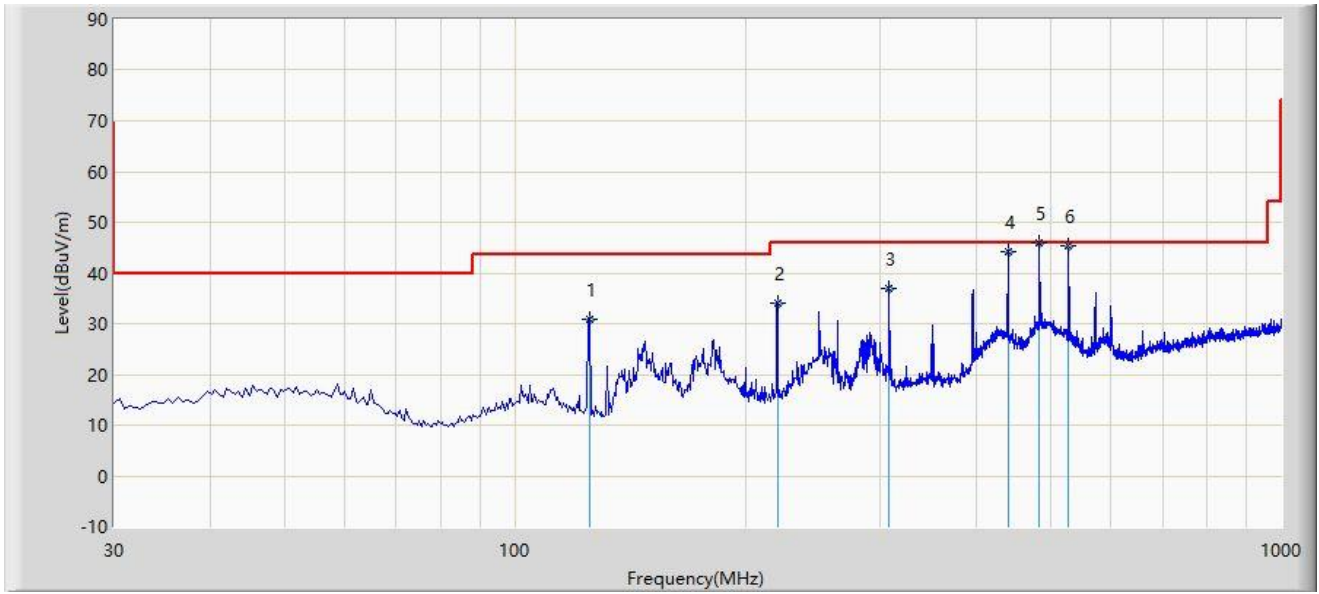
Factor ((dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	NS-AC1	Test Engineer	Flag Yang
Test Date	2023-08-09	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	4680.5	36.4	1.7	38.1	74.0	-35.9	Peak	Horizontal
	8344.0	36.1	9.6	45.7	74.0	-28.3	Peak	Horizontal
	10792.0	32.7	14.6	47.3	74.0	-26.7	Peak	Horizontal
	4680.5	36.4	1.7	38.1	74.0	-35.9	Peak	Vertical
	8293.0	33.3	9.3	42.6	74.0	-31.4	Peak	Vertical
	11072.5	31.2	15.9	47.1	74.0	-26.9	Peak	Vertical
39	4757.0	35.6	1.8	37.4	74.0	-36.6	Peak	Horizontal
	8225.0	33.1	8.9	42.0	74.0	-32.0	Peak	Horizontal
	11021.5	31.5	15.0	46.5	74.0	-27.5	Peak	Horizontal
	4731.5	36.7	1.4	38.1	74.0	-35.9	Peak	Vertical
	8386.5	35.1	9.8	44.9	74.0	-29.1	Peak	Vertical
	11021.5	31.5	15.0	46.5	74.0	-27.5	Peak	Vertical
78	4731.5	36.7	1.4	38.1	74.0	-35.9	Peak	Horizontal
	8174.0	32.7	9.0	41.7	74.0	-32.3	Peak	Horizontal
	10834.5	31.4	14.7	46.1	74.0	-27.9	Peak	Horizontal
	4604.0	36.3	1.6	37.9	74.0	-36.1	Peak	Vertical
	8165.5	33.5	9.0	42.5	74.0	-31.5	Peak	Vertical
	10783.5	32.5	14.5	47.0	74.0	-27.0	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)								

The Result of Radiated Emission below 1GHz:

Site: NS-AC1	Test Date: 2023-08-13
Limit: FCC_Part15.209_RSE(3m)	Engineer: Flag Yang
Probe: NS-AC1_VULB9162	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmitter by 3DH5 at 2402MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		125.004	31.010	17.100	-12.490	43.500	13.910	QP
2		220.008	34.178	18.000	-11.822	46.000	16.178	QP
3		308.005	37.013	18.400	-8.987	46.000	18.613	QP
4		440.017	44.240	22.800	-1.760	46.000	21.441	QP
5	*	484.017	45.899	23.700	-0.101	46.000	22.199	QP
6		528.017	45.277	22.300	-0.723	46.000	22.977	QP

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

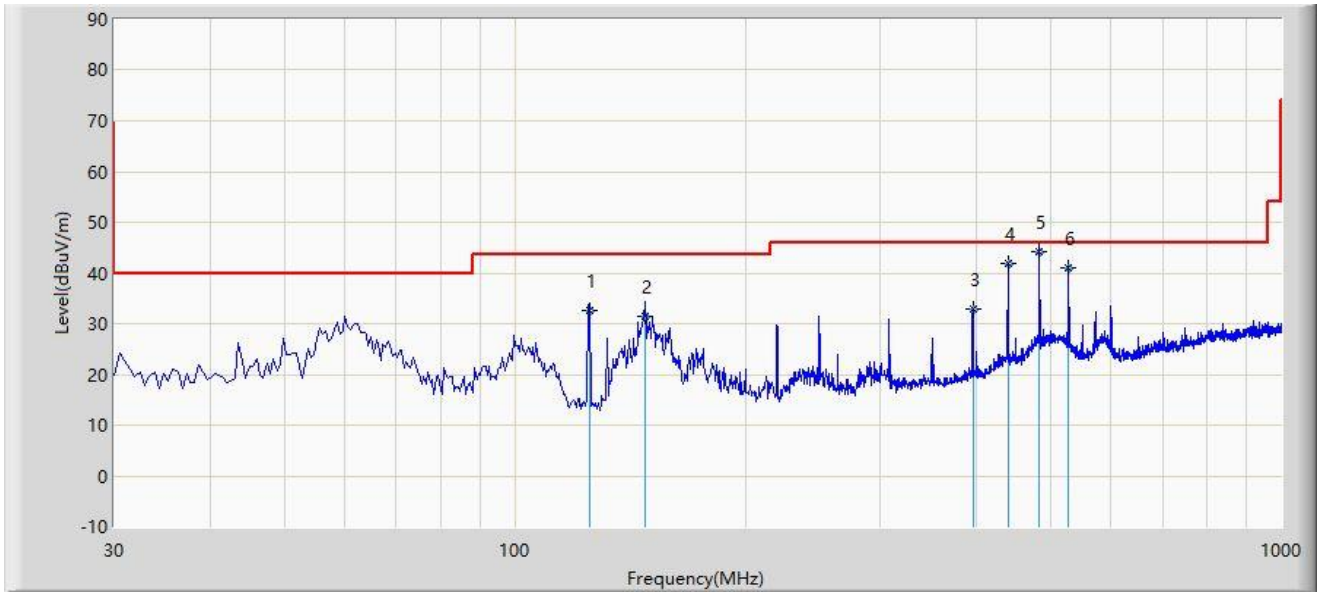
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

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: NS-AC1	Test Date: 2023-08-13
Limit: FCC_Part15.209_RSE(3m)	Engineer: Flag Yang
Probe: NS-AC1_VULB9162	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmitter by 3DH5 at 2402MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		125.003	32.610	18.700	-10.890	43.500	13.910	QP
2		148.113	31.552	19.000	-11.948	43.500	12.552	QP
3		396.028	32.764	11.700	-13.236	46.000	21.064	QP
4		440.010	41.839	20.400	-4.161	46.000	21.440	QP
5	*	484.010	44.198	22.000	-1.802	46.000	22.199	QP
6		528.012	41.077	18.100	-4.923	46.000	22.977	QP

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

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

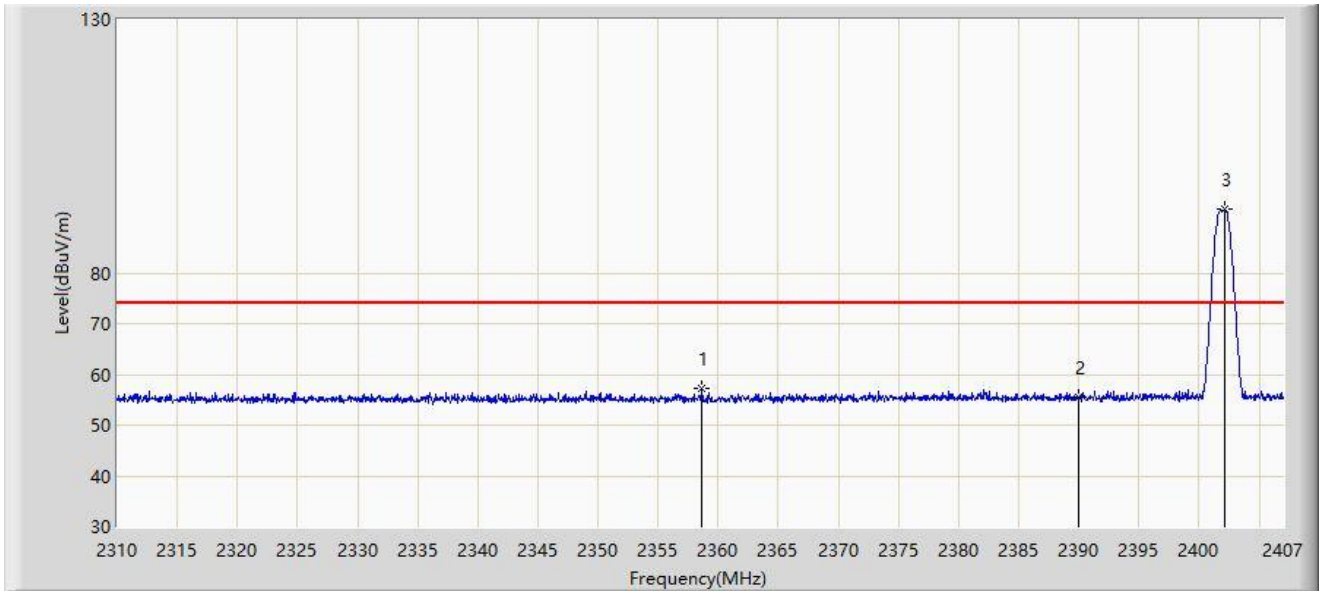
Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

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.

A.10 Radiated Restricted Band Edge Test Result

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by DH5 at 2402MHz	



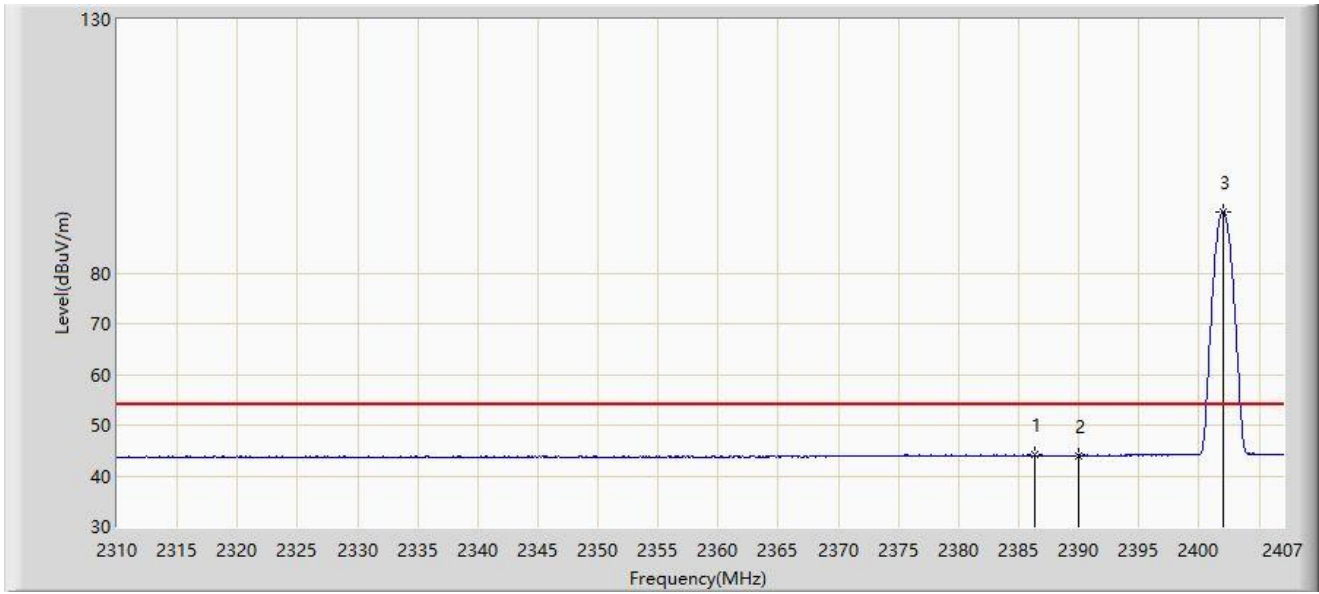
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2358.646	57.204	26.361	-16.796	74.000	30.843	PK
2		2390.000	55.380	24.529	-18.620	74.000	30.850	PK
3		2402.102	92.492	61.653	N/A	N/A	30.838	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by DH5 at 2402MHz	



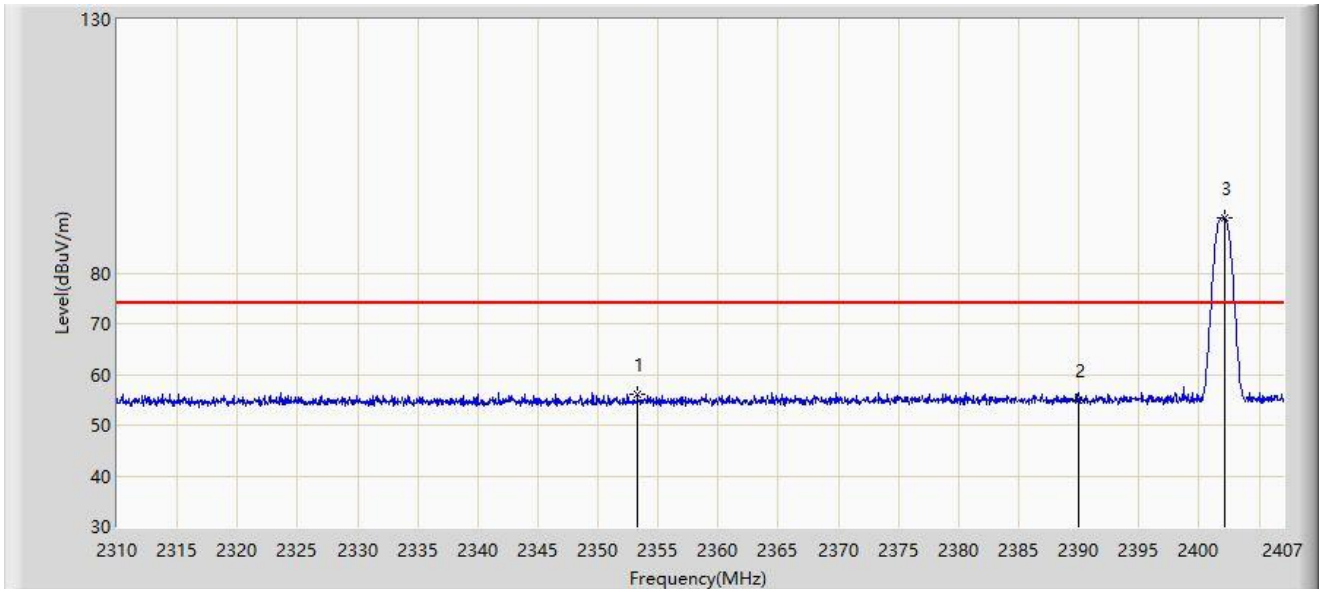
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2386.291	44.152	13.269	-9.848	54.000	30.883	AV
2		2390.000	43.974	13.123	-10.026	54.000	30.850	AV
3		2402.004	92.087	61.248	N/A	N/A	30.839	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by DH5 at 2402MHz	



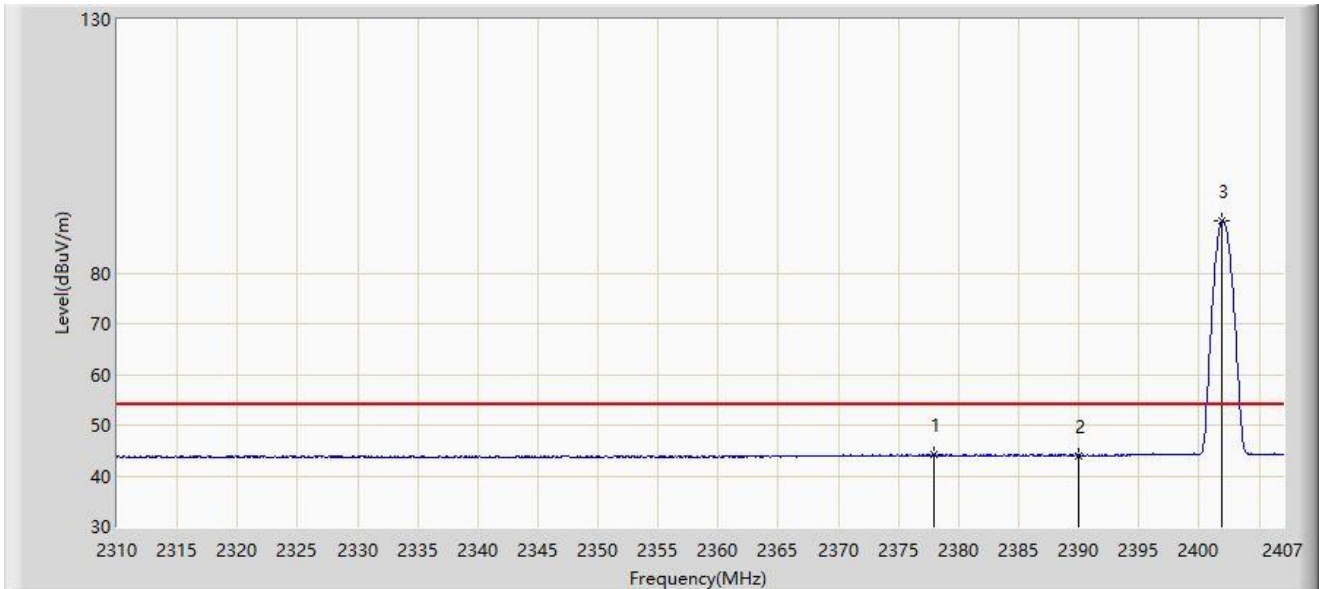
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2353.262	55.964	25.087	-18.036	74.000	30.877	PK
2		2390.000	55.039	24.188	-18.961	74.000	30.850	PK
3		2402.150	90.822	59.983	N/A	N/A	30.839	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by DH5 at 2402MHz	



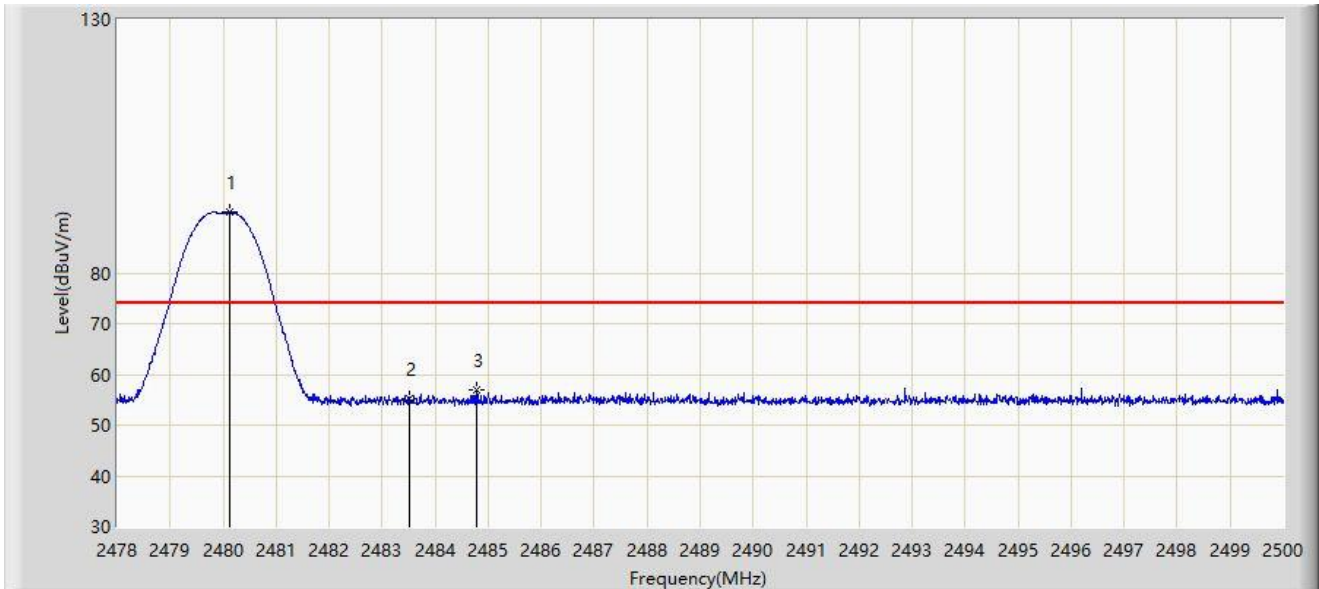
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2377.997	44.141	13.186	-9.859	54.000	30.955	AV
2		2390.000	44.045	13.194	-9.955	54.000	30.850	AV
3		2401.859	90.190	59.352	N/A	N/A	30.838	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by DH5 at 2480MHz	



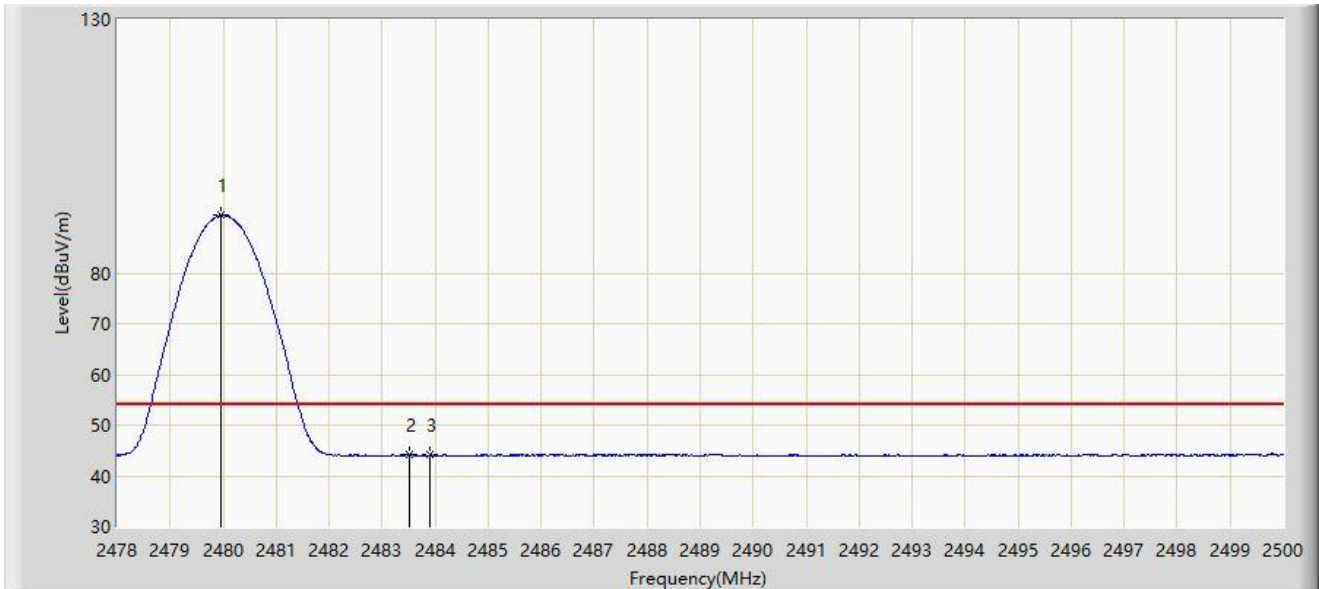
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.123	91.957	61.197	N/A	N/A	30.760	PK
2		2483.500	55.218	24.456	-18.782	74.000	30.761	PK
3	*	2484.776	56.922	26.160	-17.078	74.000	30.763	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by DH5 at 2480MHz	



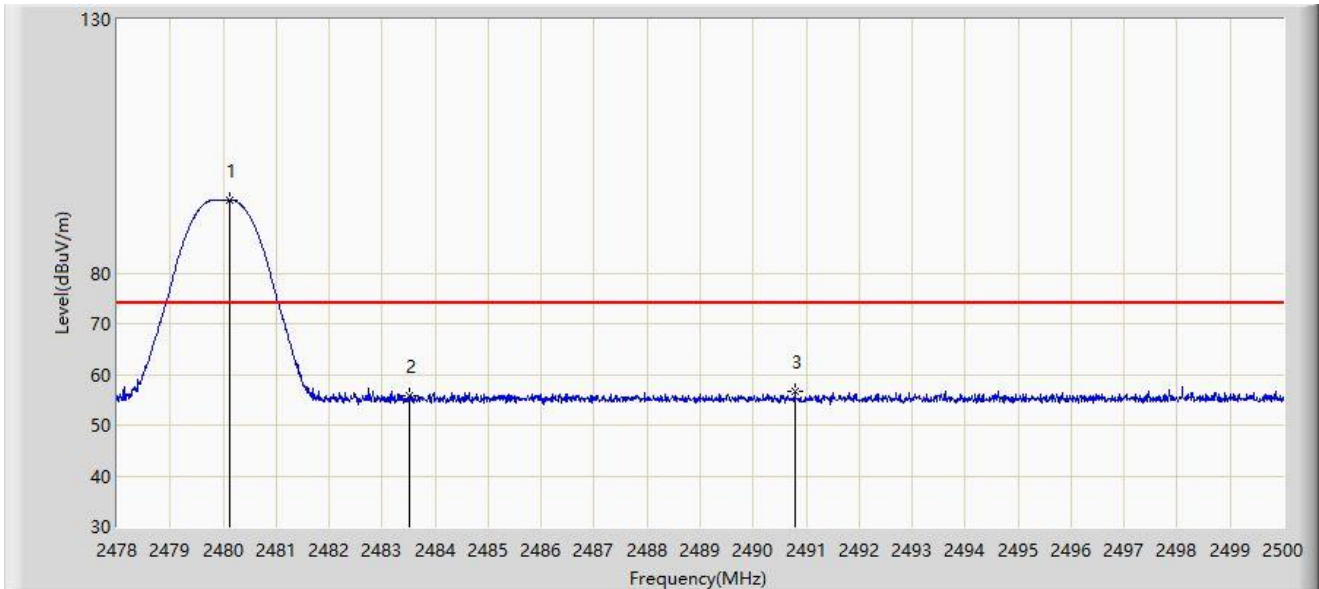
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.969	91.382	60.622	N/A	N/A	30.760	AV
2		2483.500	44.069	13.307	-9.931	54.000	30.761	AV
3	*	2483.896	44.092	13.330	-9.908	54.000	30.762	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by DH5 at 2480MHz	



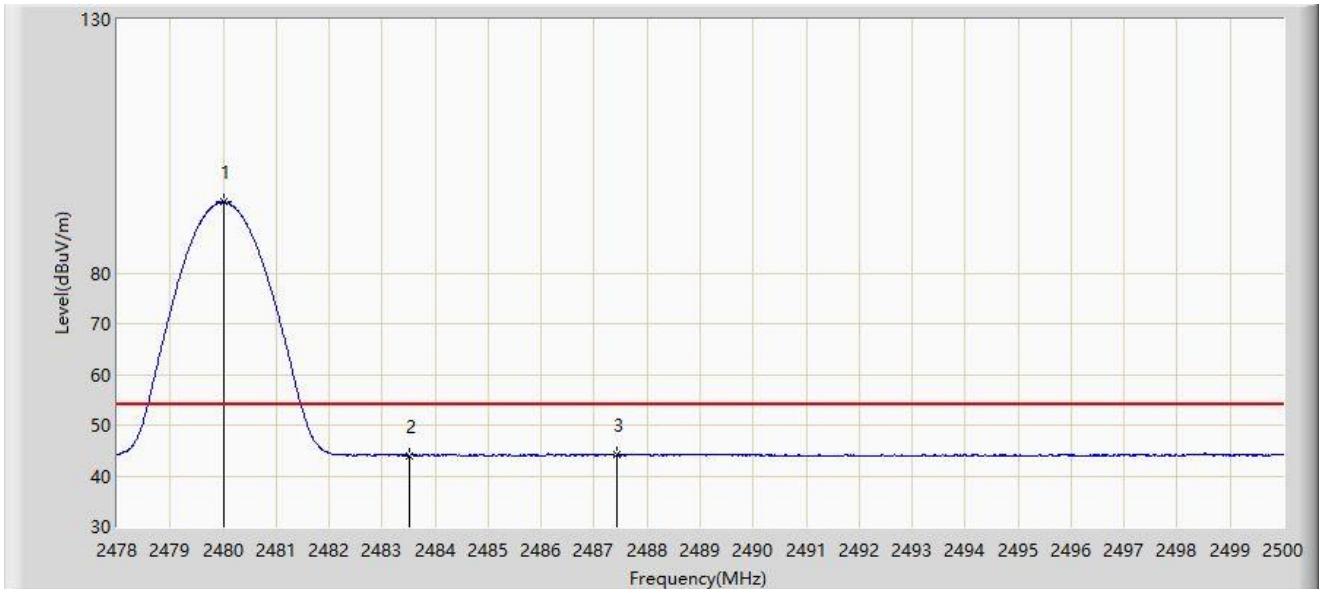
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.134	94.359	63.599	N/A	N/A	30.760	PK
2		2483.500	55.697	24.935	-18.303	74.000	30.761	PK
3	*	2490.782	56.734	25.969	-17.266	74.000	30.765	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by DH5 at 2480MHz	



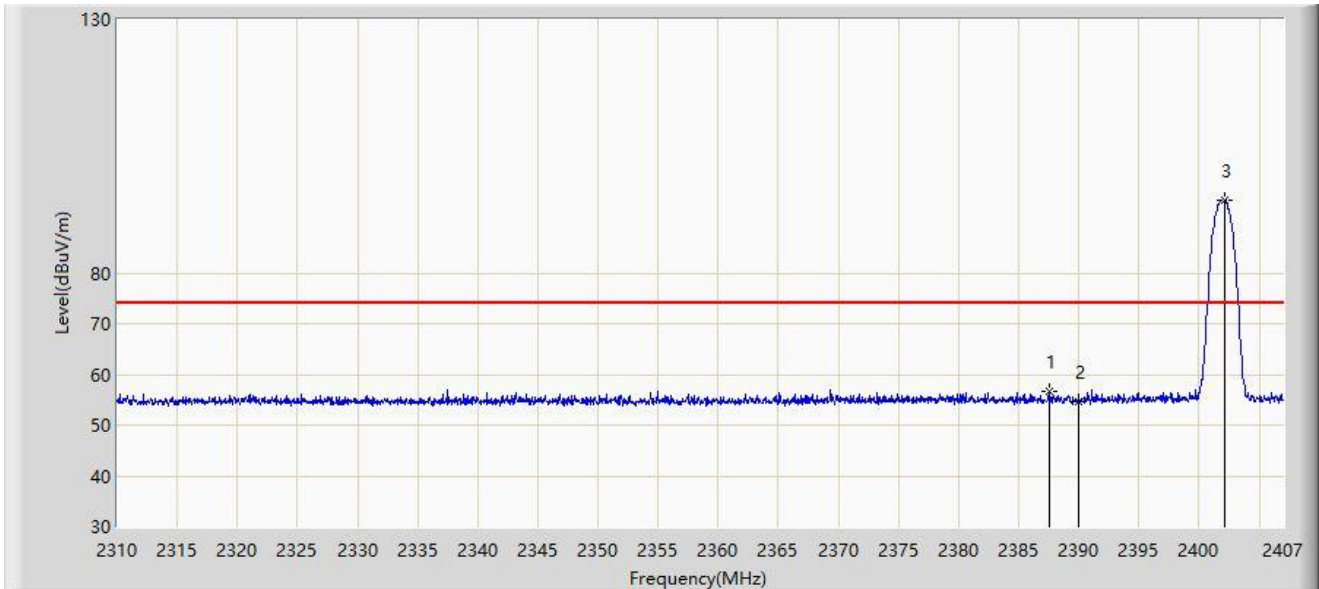
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.013	93.953	63.193	N/A	N/A	30.760	AV
2		2483.500	43.994	13.232	-10.006	54.000	30.761	AV
3	*	2487.427	44.133	13.370	-9.867	54.000	30.763	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 2DH5 at 2402MHz	



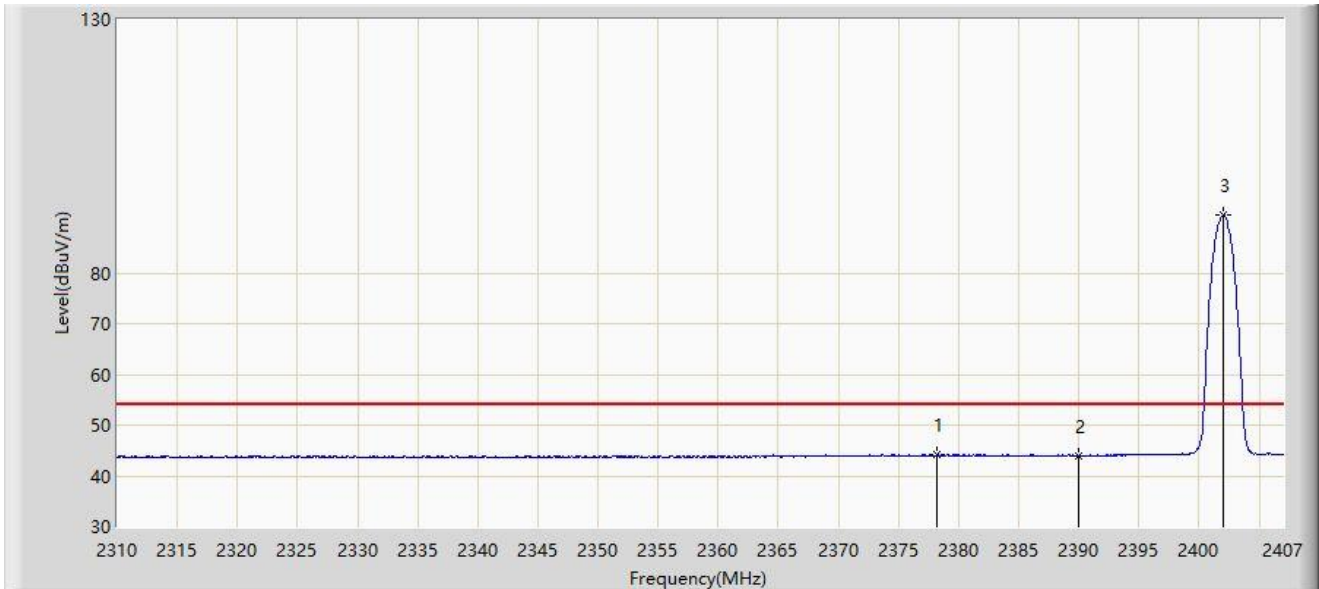
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2387.503	56.617	25.744	-17.383	74.000	30.873	PK
2		2390.000	54.754	23.903	-19.246	74.000	30.850	PK
3		2402.102	94.362	63.523	N/A	N/A	30.838	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 2DH5 at 2402MHz	



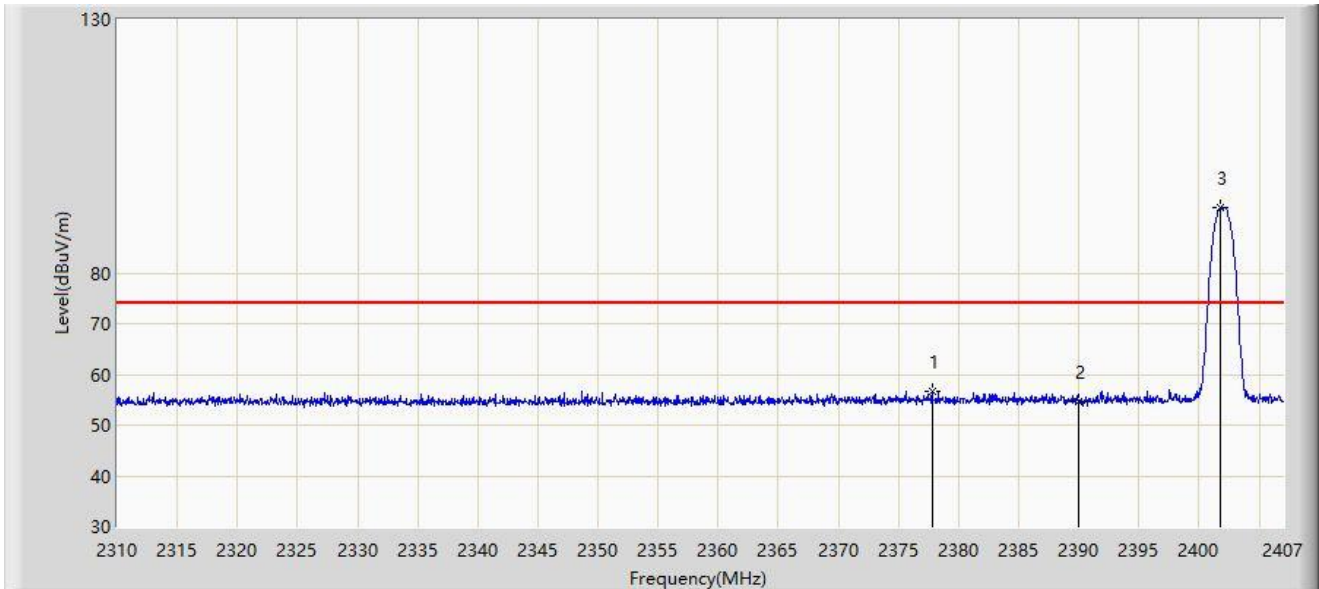
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2378.240	44.165	13.212	-9.835	54.000	30.953	AV
2		2390.000	43.987	13.136	-10.013	54.000	30.850	AV
3		2402.004	91.408	60.569	N/A	N/A	30.839	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 2DH5 at 2402MHz	



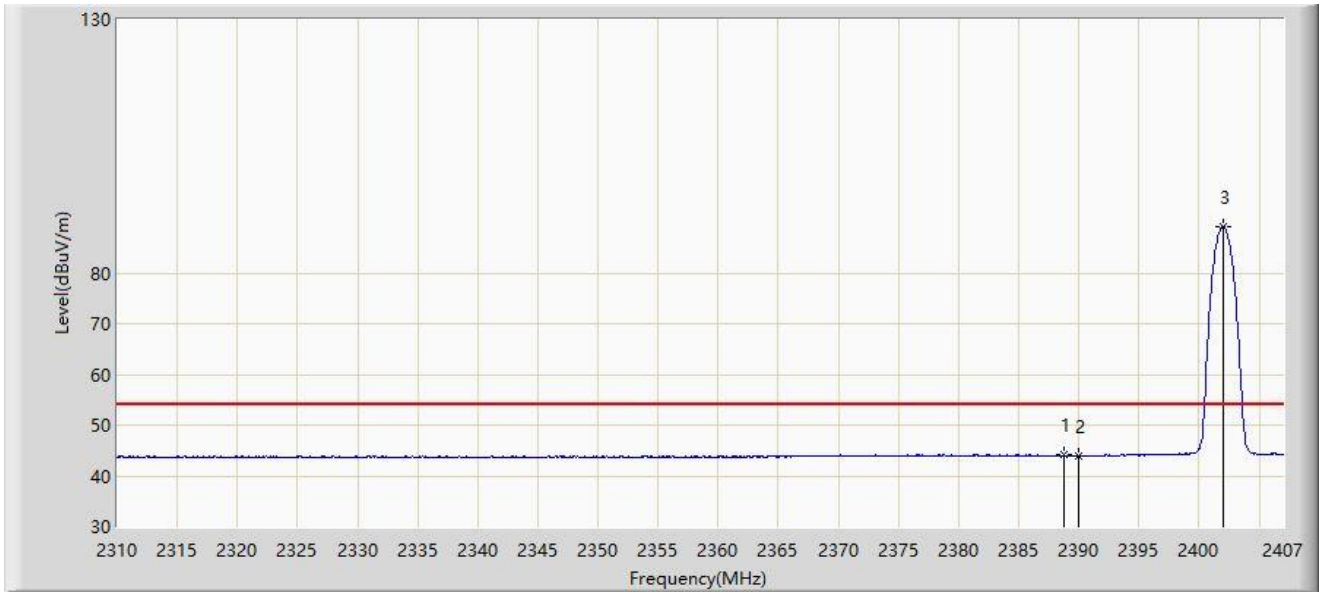
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2377.803	56.678	25.721	-17.322	74.000	30.957	PK
2		2390.000	54.641	23.790	-19.359	74.000	30.850	PK
3		2401.811	93.004	62.166	N/A	N/A	30.838	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 2DH5 at 2402MHz	



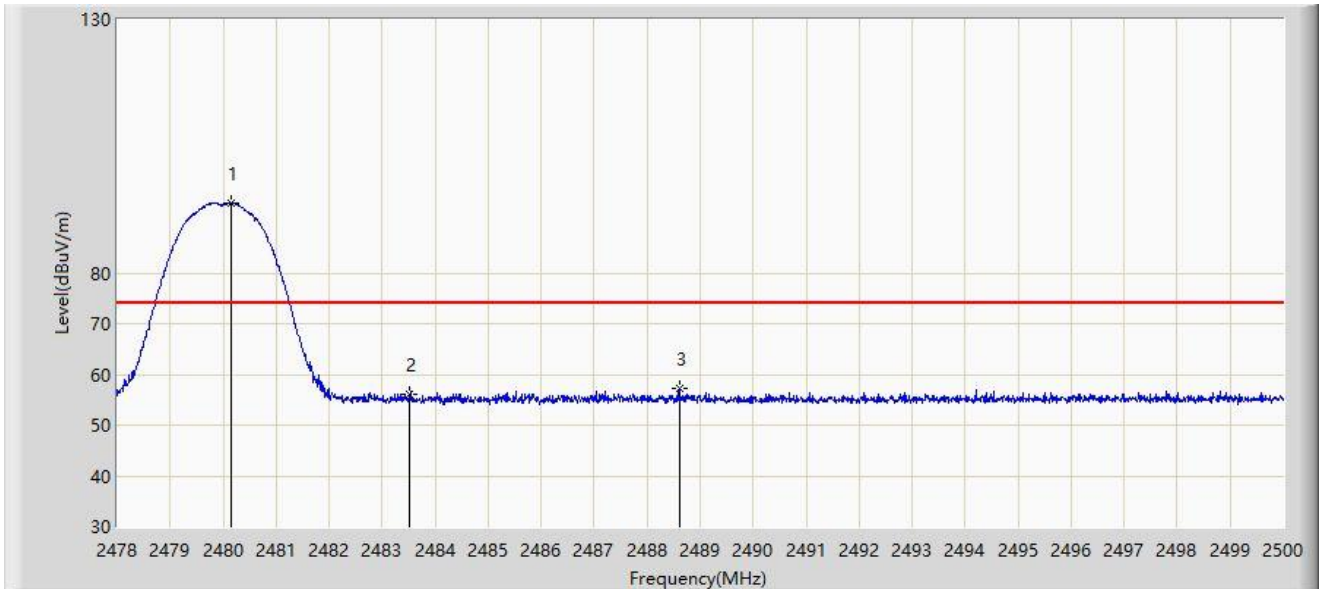
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2388.764	44.157	13.295	-9.843	54.000	30.861	AV
2		2390.000	44.005	13.154	-9.995	54.000	30.850	AV
3		2402.004	89.187	58.348	N/A	N/A	30.839	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 2DH5 at 2480MHz	



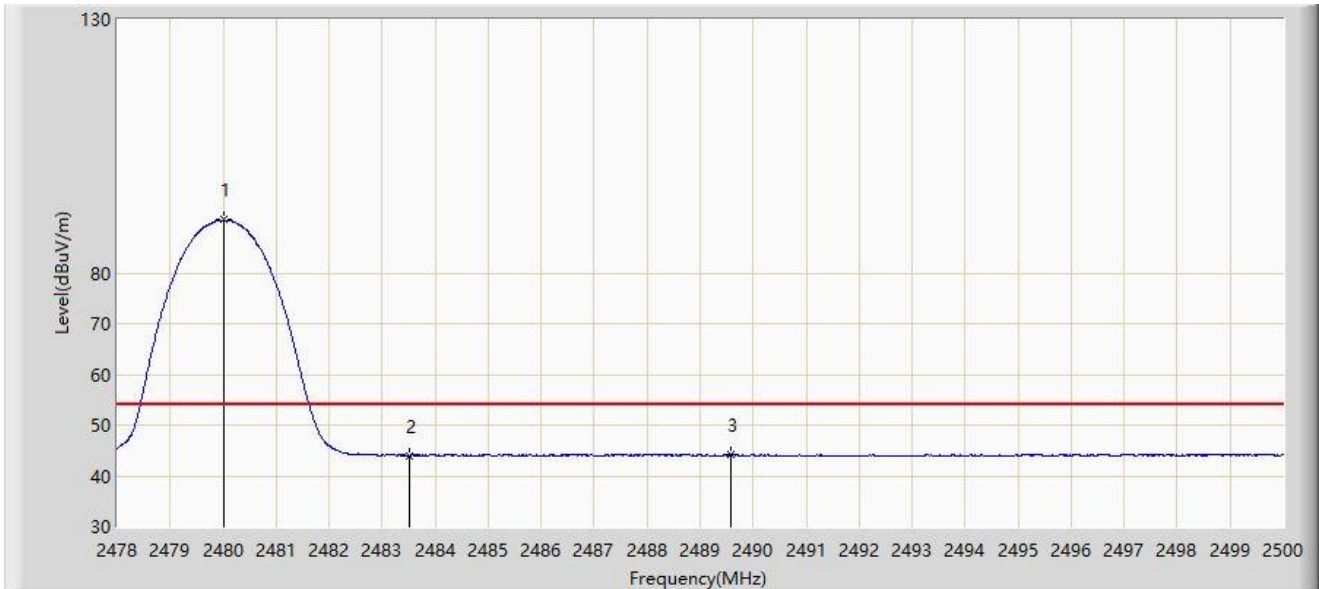
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.156	93.822	63.062	N/A	N/A	30.760	PK
2		2483.500	56.031	25.269	-17.969	74.000	30.761	PK
3	*	2488.604	57.182	26.418	-16.818	74.000	30.764	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 2DH5 at 2480MHz	



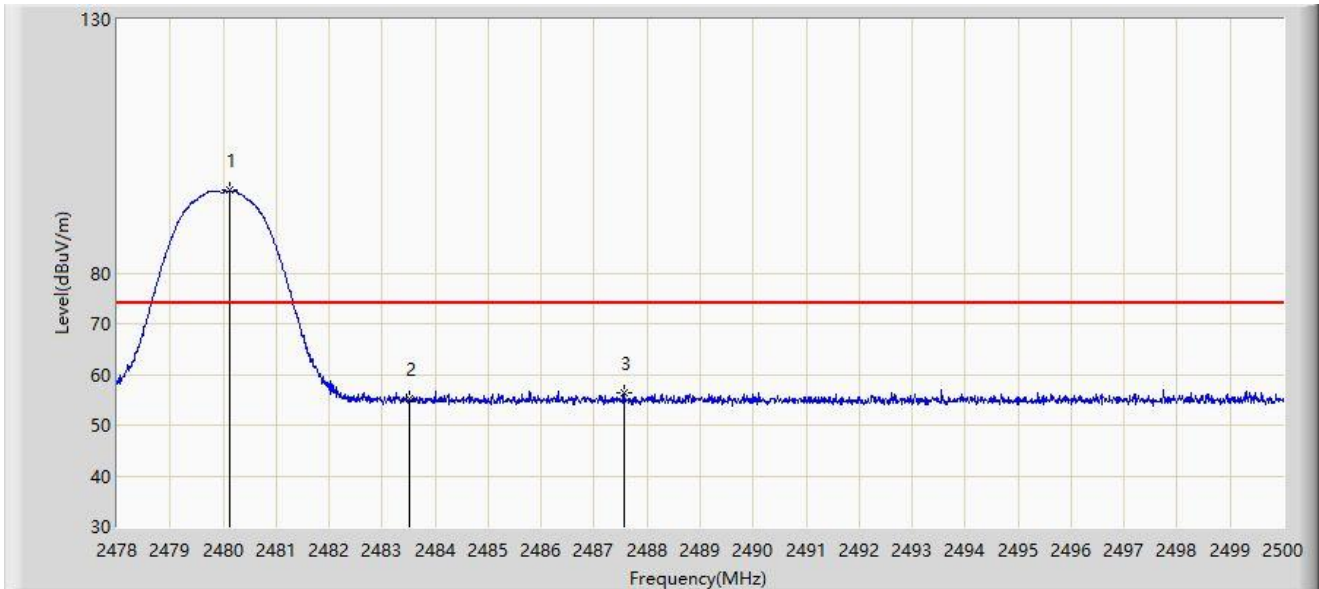
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.013	90.447	59.687	N/A	N/A	30.760	AV
2		2483.500	44.029	13.267	-9.971	54.000	30.761	AV
3	*	2489.583	44.198	13.434	-9.802	54.000	30.765	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 2DH5 at 2480MHz	



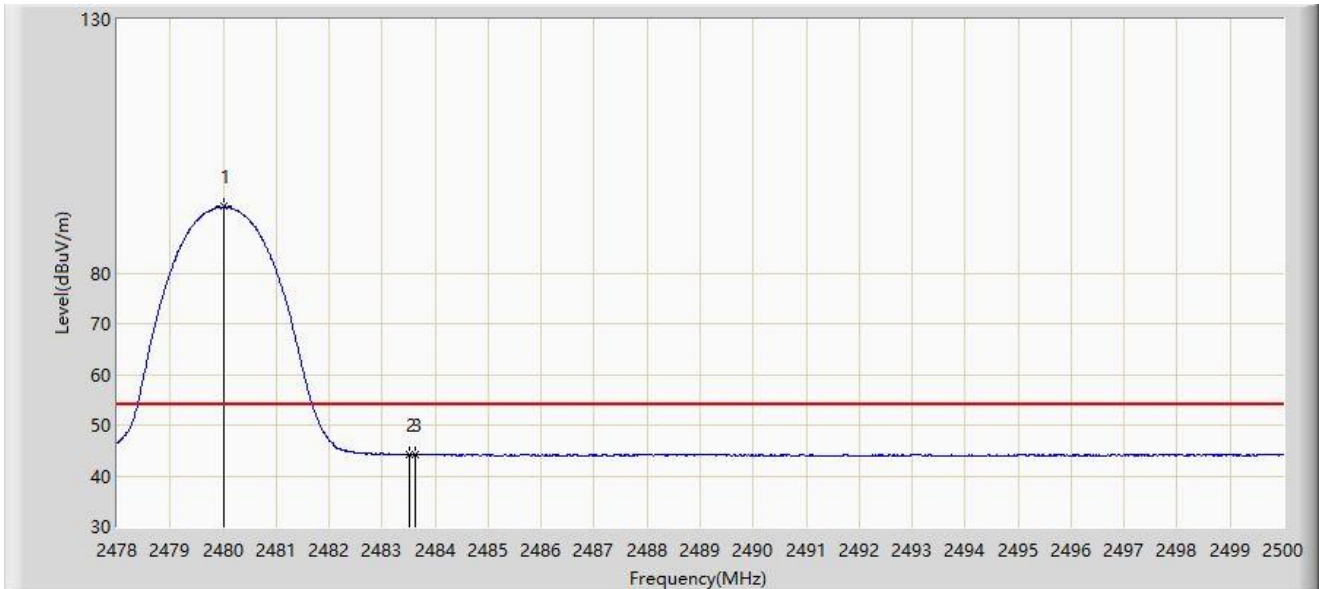
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.112	96.239	65.479	N/A	N/A	30.760	PK
2		2483.500	55.245	24.483	-18.755	74.000	30.761	PK
3	*	2487.559	56.481	25.717	-17.519	74.000	30.764	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 2DH5 at 2480MHz	



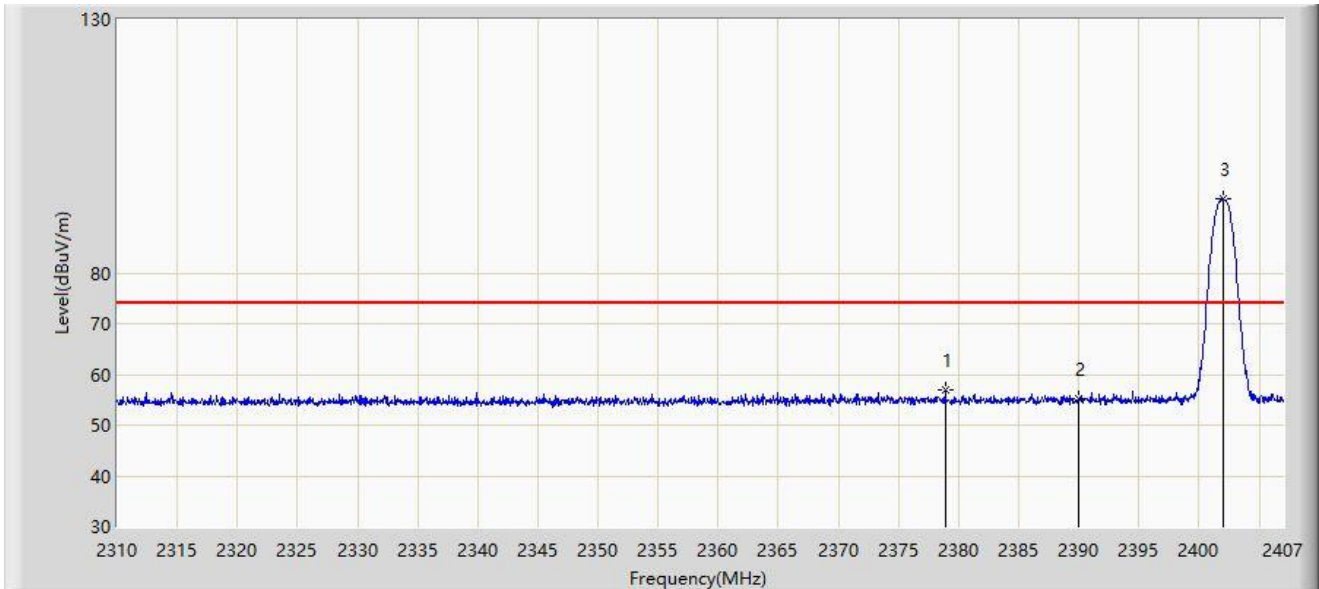
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2480.024	93.064	62.304	N/A	N/A	30.760	AV
2		2483.500	44.151	13.389	-9.849	54.000	30.761	AV
3	*	2483.621	44.308	13.546	-9.692	54.000	30.762	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 3DH5 at 2402MHz	



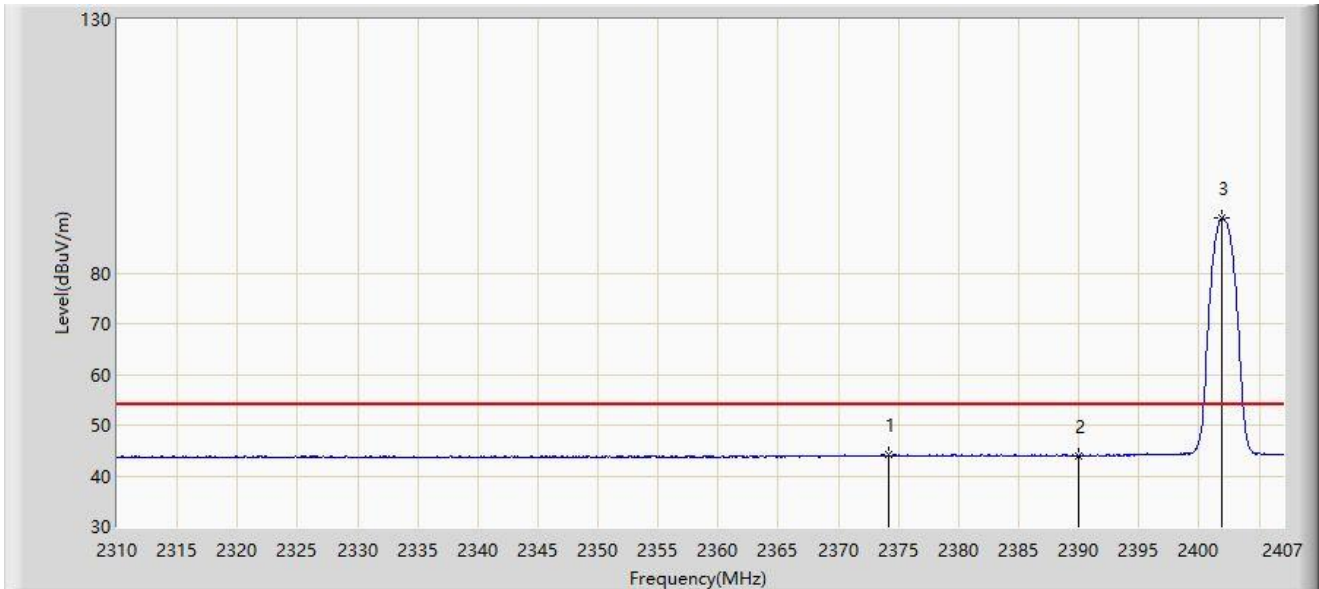
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2378.870	57.003	26.055	-16.997	74.000	30.948	PK
2		2390.000	55.118	24.267	-18.882	74.000	30.850	PK
3		2402.004	94.684	63.845	N/A	N/A	30.839	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 3DH5 at 2402MHz	



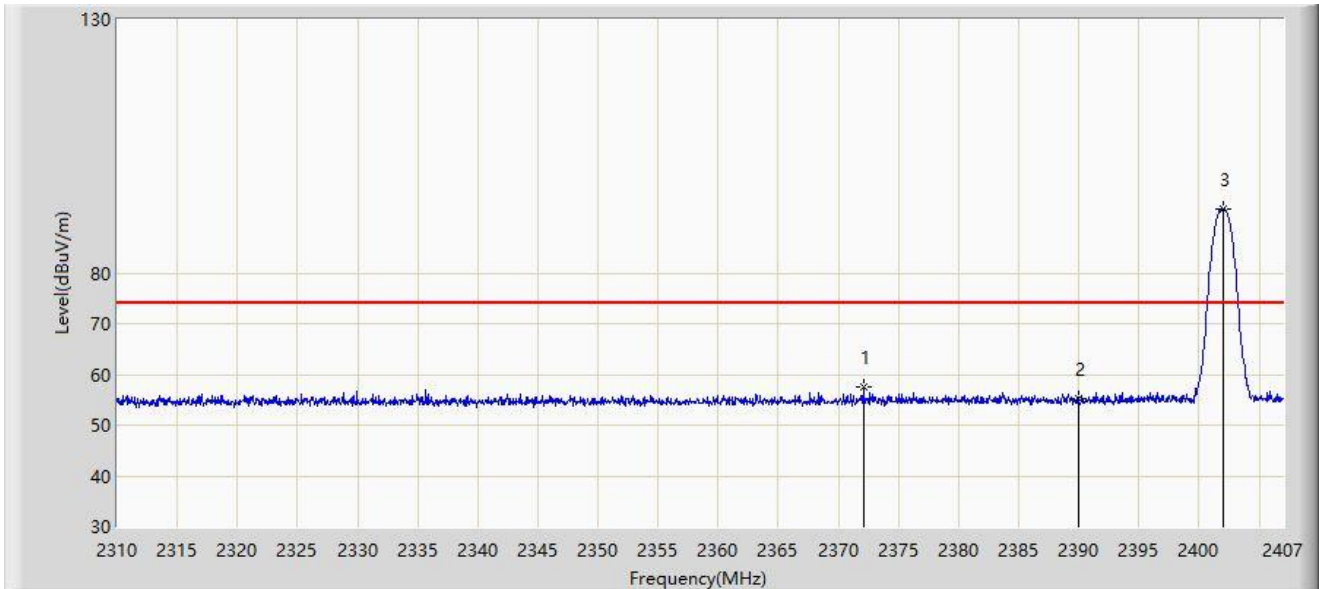
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2374.166	44.128	13.186	-9.872	54.000	30.942	AV
2		2390.000	43.981	13.130	-10.019	54.000	30.850	AV
3		2401.907	90.925	60.087	N/A	N/A	30.838	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 3DH5 at 2402MHz	



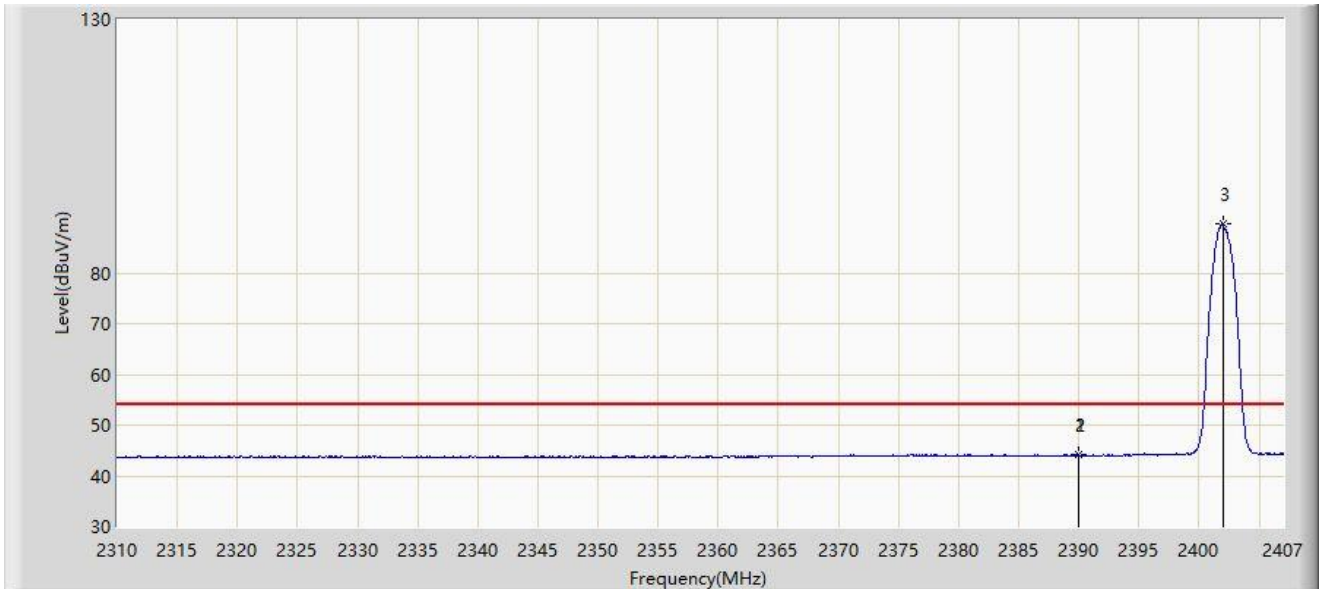
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2372.080	57.501	26.575	-16.499	74.000	30.926	PK
2		2390.000	55.224	24.373	-18.776	74.000	30.850	PK
3		2402.004	92.718	61.879	N/A	N/A	30.839	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 3DH5 at 2402MHz	



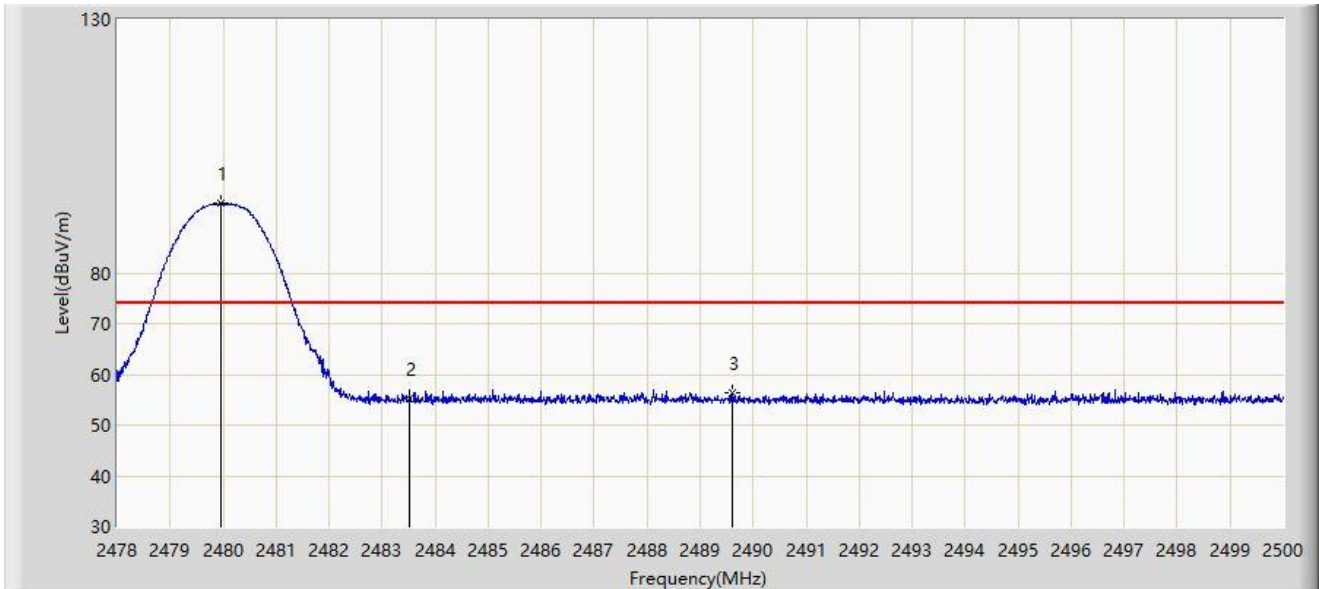
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	2389.977	44.202	13.351	-9.798	54.000	30.852	AV
2		2390.000	44.123	13.272	-9.877	54.000	30.850	AV
3		2401.956	89.754	58.916	N/A	N/A	30.839	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 3DH5 at 2480MHz	



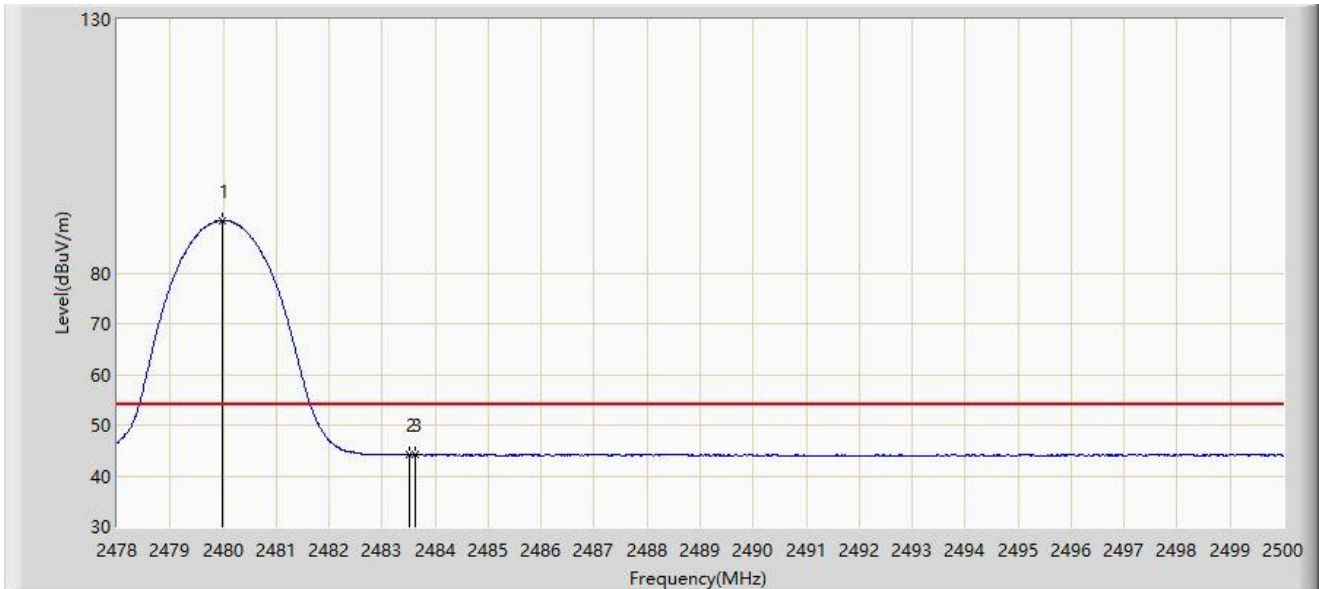
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.947	93.717	62.957	N/A	N/A	30.760	PK
2		2483.500	55.144	24.382	-18.856	74.000	30.761	PK
3	*	2489.594	56.476	25.712	-17.524	74.000	30.765	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 3DH5 at 2480MHz	



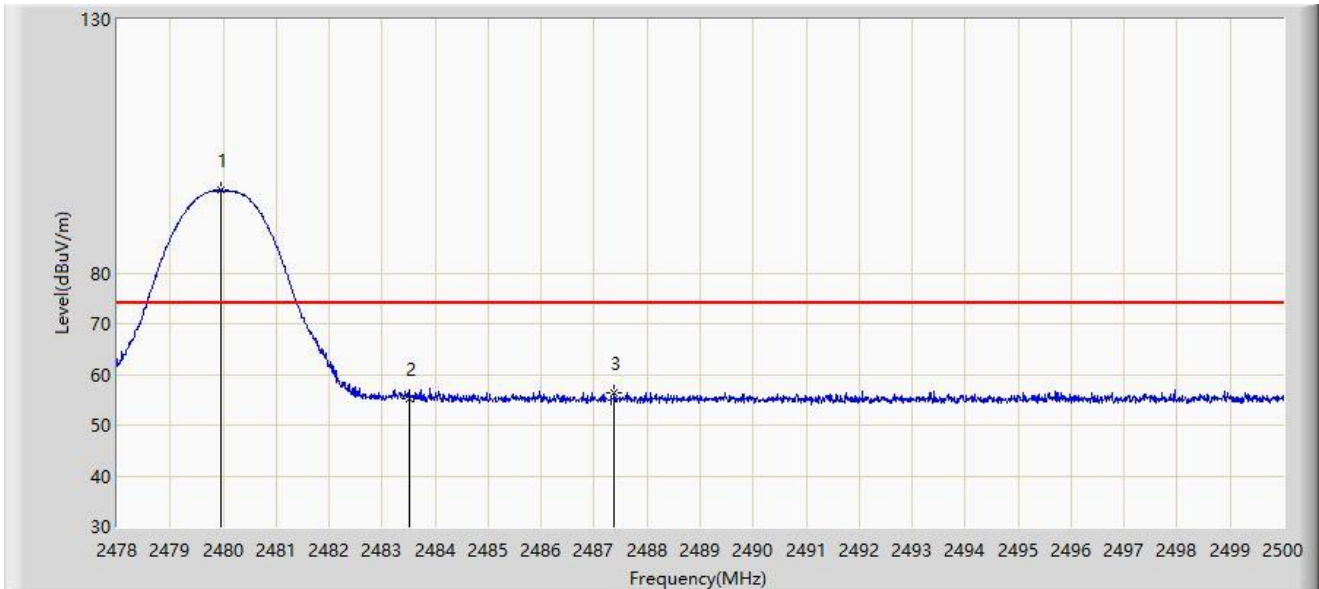
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.980	90.331	59.571	N/A	N/A	30.760	AV
2		2483.500	44.124	13.362	-9.876	54.000	30.761	AV
3	*	2483.632	44.324	13.562	-9.676	54.000	30.762	AV

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

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

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

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 3DH5 at 2480MHz	



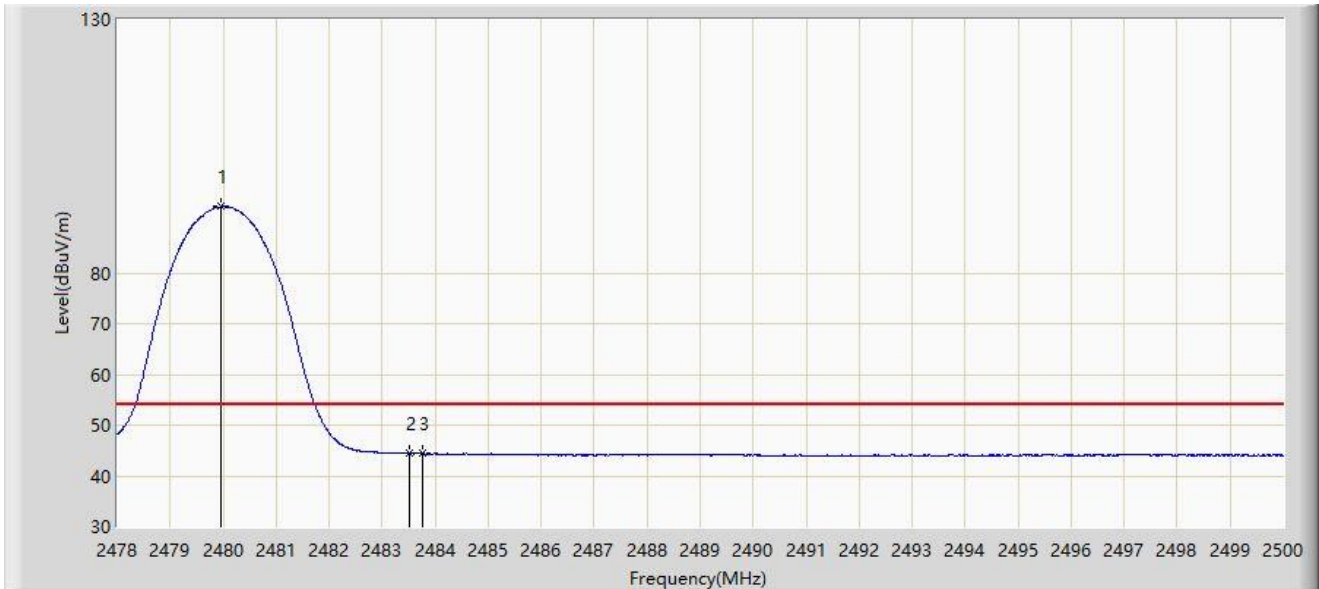
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.969	96.295	65.535	N/A	N/A	30.760	PK
2		2483.500	55.288	24.526	-18.712	74.000	30.761	PK
3	*	2487.372	56.399	25.636	-17.601	74.000	30.763	PK

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).

Site: NS-AC1	Test Date: 2023-08-10
Limit: FCC_2.4G_RE(3m)	Engineer: Flag Yang
Probe: NS-AC1_BBHA9120D_2111_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmit by 3DH5 at 2480MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		2479.958	93.086	62.326	N/A	N/A	30.760	AV
2	*	2483.500	44.500	13.738	-9.500	54.000	30.761	AV
3		2483.775	44.470	13.708	-9.530	54.000	30.762	AV

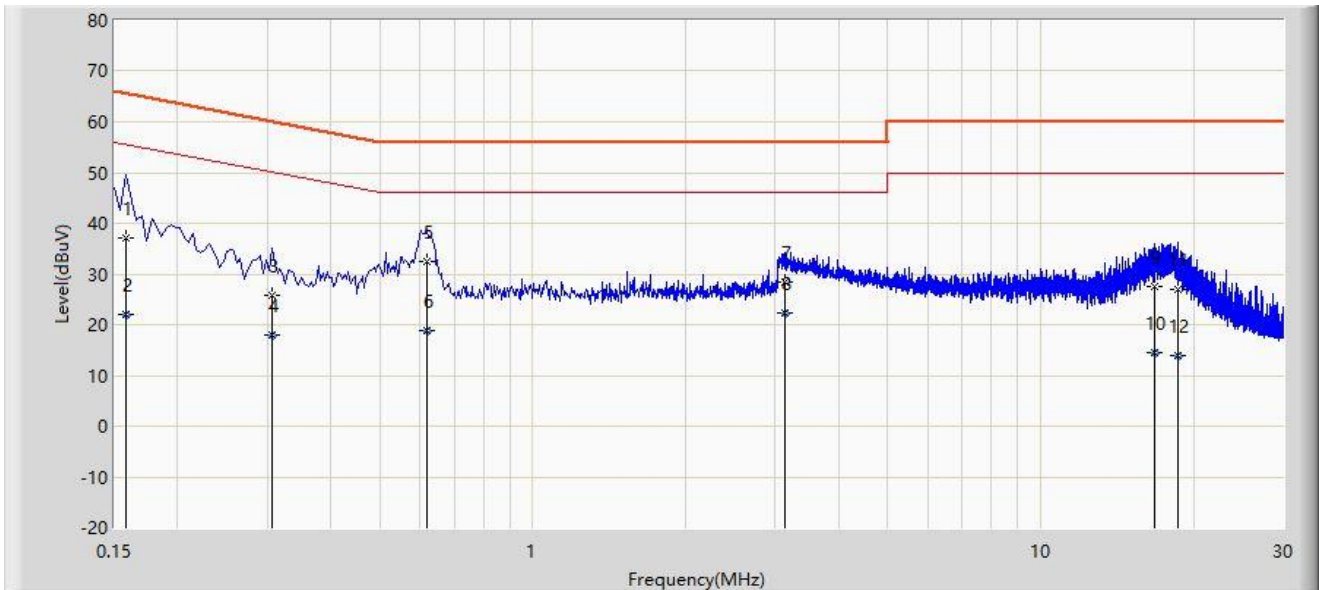
Note 1: " * ", means this data is the worst emission level.

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

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

A.11 AC Conducted Emissions Test Result

Site: NS-SR2	Test Date: 2023-08-09
Temperature: 25.1°C	Humidity: 48%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Flag Yang
Probe: ENV216_102493_0.15MHz~30MHz-C	Polarity: Line
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmitter by 3DH5 at 2402MHz	



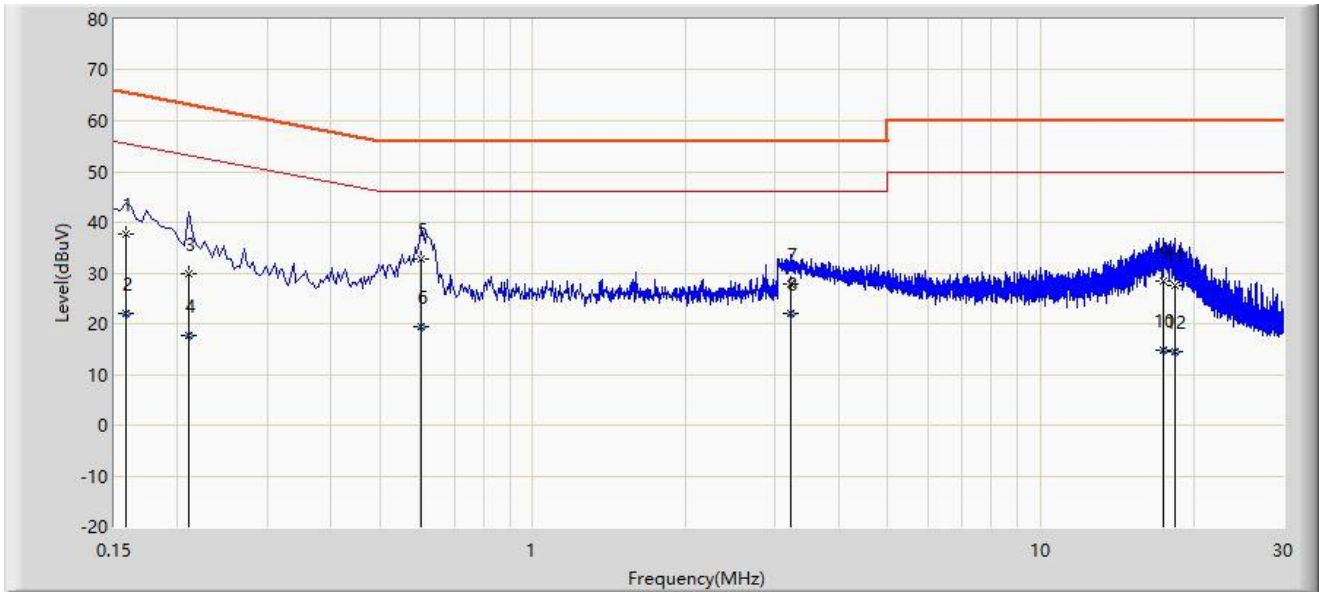
No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.158	37.126	27.438	-28.442	65.568	9.688	QP
2		0.158	21.908	12.219	-33.661	55.568	9.688	AV
3		0.306	25.878	16.188	-34.201	60.078	9.690	QP
4		0.306	18.076	8.386	-32.002	50.078	9.690	AV
5		0.618	32.351	22.621	-23.649	56.000	9.730	QP
6		0.618	18.906	9.176	-27.094	46.000	9.730	AV
7		3.126	28.350	18.551	-27.650	56.000	9.799	QP
8	*	3.126	22.421	12.622	-23.579	46.000	9.799	AV
9		16.786	27.638	17.549	-32.362	60.000	10.089	QP
10		16.786	14.547	4.458	-35.453	50.000	10.089	AV
11		18.638	27.009	16.879	-32.991	60.000	10.130	QP
12		18.638	14.017	3.886	-35.983	50.000	10.130	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: NS-SR2	Test Date: 2023-08-09
Temperature: 25.1°C	Humidity: 48%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Flag Yang
Probe: ENV216_102493_0.15MHz~30MHz-C	Polarity: Neutral
EUT: Wireless Module	Power: Powered by Test Fixture
Test Mode: Transmitter by 3DH5 at 2402MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.158	37.675	28.024	-27.894	65.568	9.651	QP
2		0.158	21.977	12.326	-33.591	55.568	9.651	AV
3		0.210	29.749	20.105	-33.457	63.205	9.644	QP
4		0.210	17.808	8.164	-35.397	53.205	9.644	AV
5	*	0.602	32.686	23.013	-23.314	56.000	9.673	QP
6		0.602	19.295	9.622	-26.705	46.000	9.673	AV
7		3.218	27.852	18.080	-28.148	56.000	9.772	QP
8		3.218	22.036	12.264	-23.964	46.000	9.772	AV
9		17.478	28.409	18.118	-31.591	60.000	10.292	QP
10		17.478	14.884	4.592	-35.116	50.000	10.292	AV
11		18.378	27.639	17.308	-32.361	60.000	10.331	QP
12		18.378	14.366	4.035	-35.634	50.000	10.331	AV

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

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

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

Appendix B - Test Setup Photograph

Refer to “2305RSU049-UT” file.

Appendix C - EUT Photograph

Refer to "2305RSU049-UE" file.

_____ The End _____