

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11A ANT1 TX 5180MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

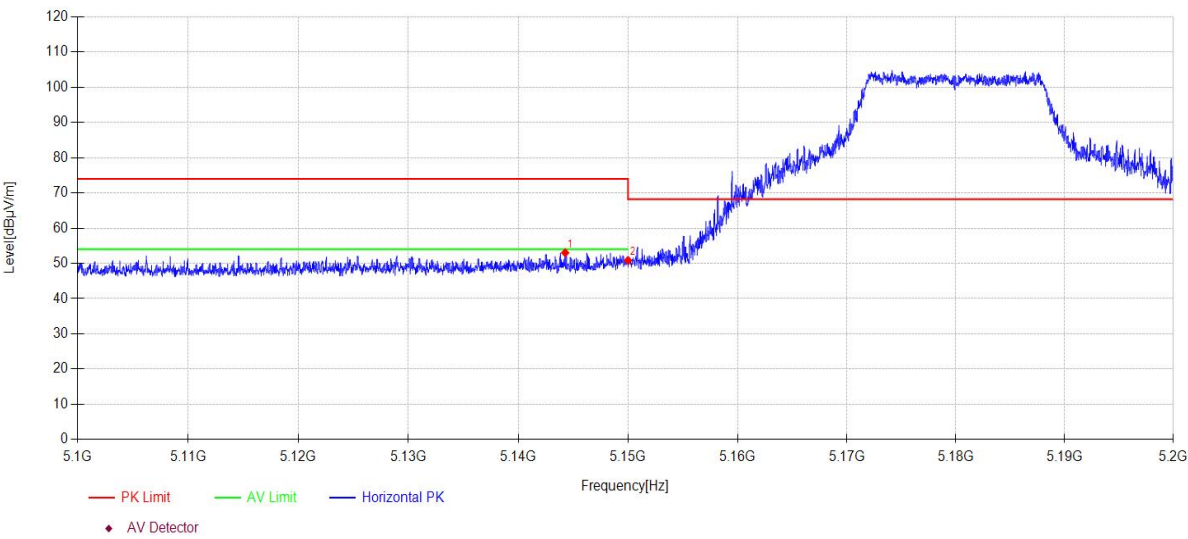
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\27

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5144.27	14.04	33.40	5.58	0.00	53.02	74.00	20.98	PK	Horizontal
2	5150.00	11.85	33.40	5.59	0.00	50.84	68.20	17.36	PK	Horizontal

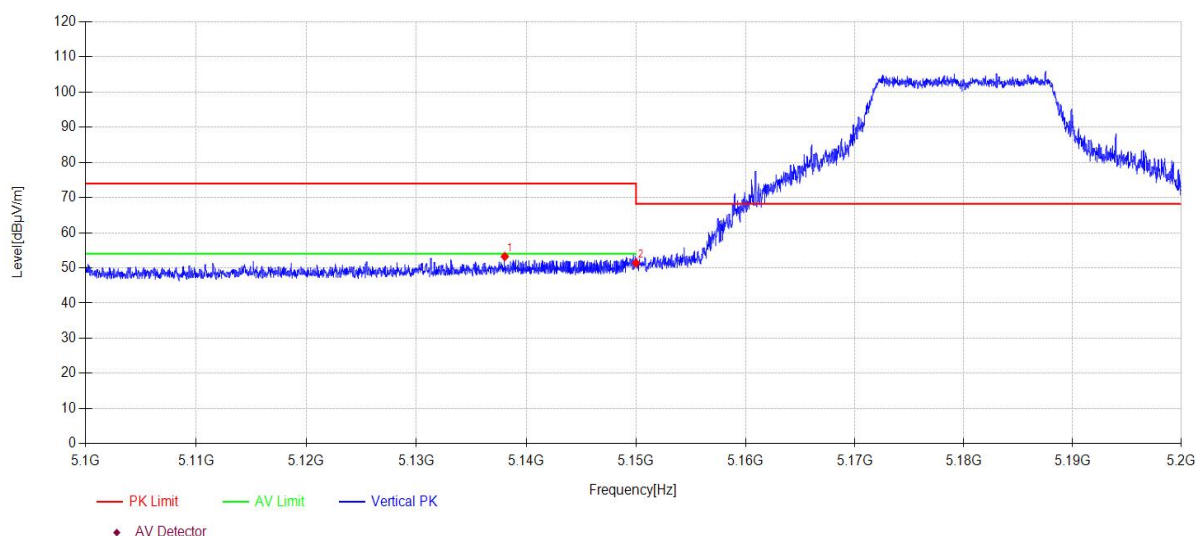
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11A ANT1 TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\28
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5138.04	14.27	33.40	5.58	0.00	53.25	74.00	20.75	PK	Vertical
2	5150.00	12.36	33.40	5.59	0.00	51.35	68.20	16.85	PK	Vertical

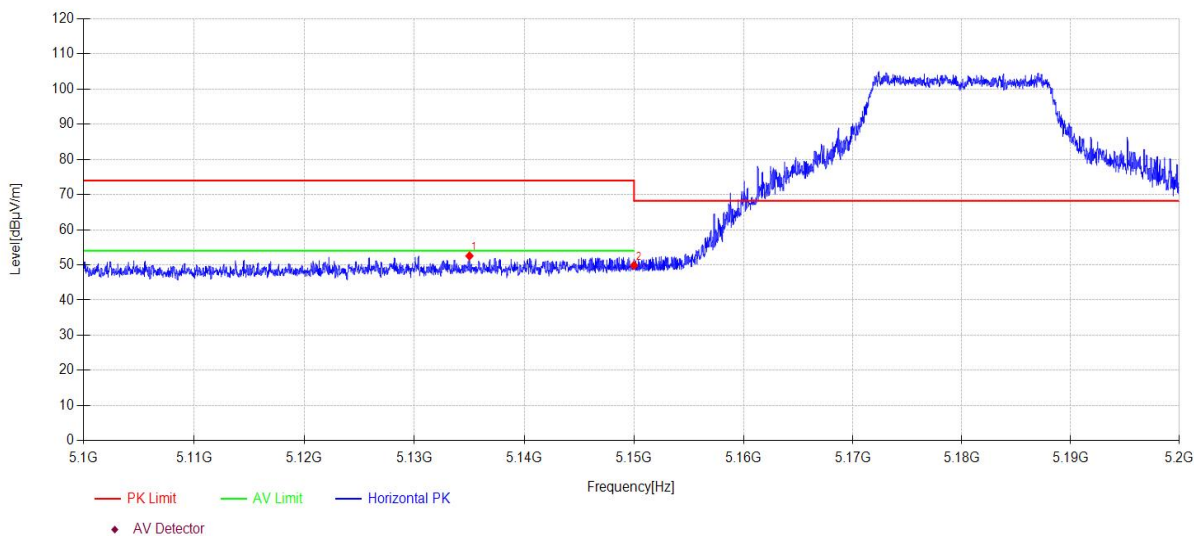
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11A ANT2 TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\29
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5135.01	13.58	33.40	5.58	0.00	52.56	74.00	21.44	PK	Horizontal
2	5150.00	10.88	33.40	5.59	0.00	49.87	68.20	18.33	PK	Horizontal

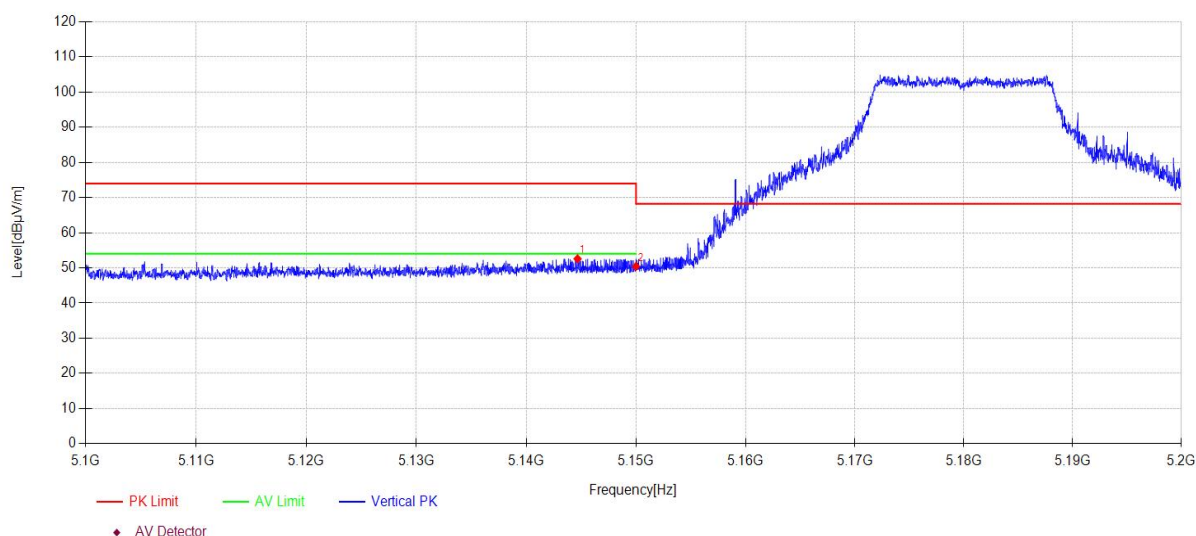
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11A ANT2 TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\30
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5144.67	13.62	33.40	5.58	0.00	52.60	74.00	21.40	PK	Vertical
2	5150.00	11.44	33.40	5.59	0.00	50.43	68.20	17.77	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11N20MIMO TX 5180MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

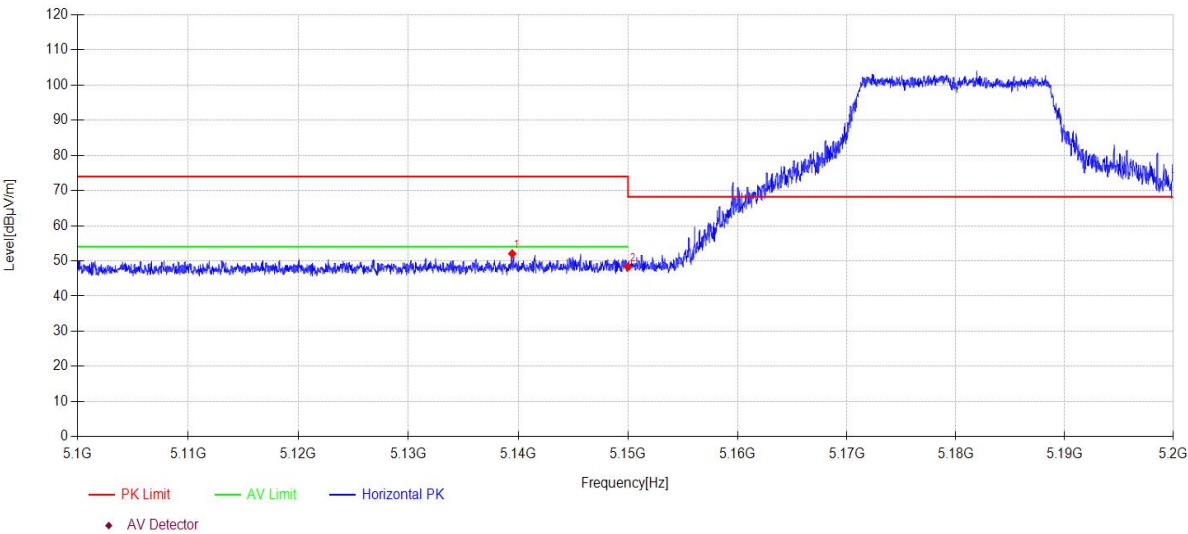
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\31

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5139.45	13.08	33.40	5.58	0.00	52.06	74.00	21.94	PK	Horizontal
2	5150.00	9.34	33.40	5.59	0.00	48.33	68.20	19.87	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11N20MIMO TX 5180MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

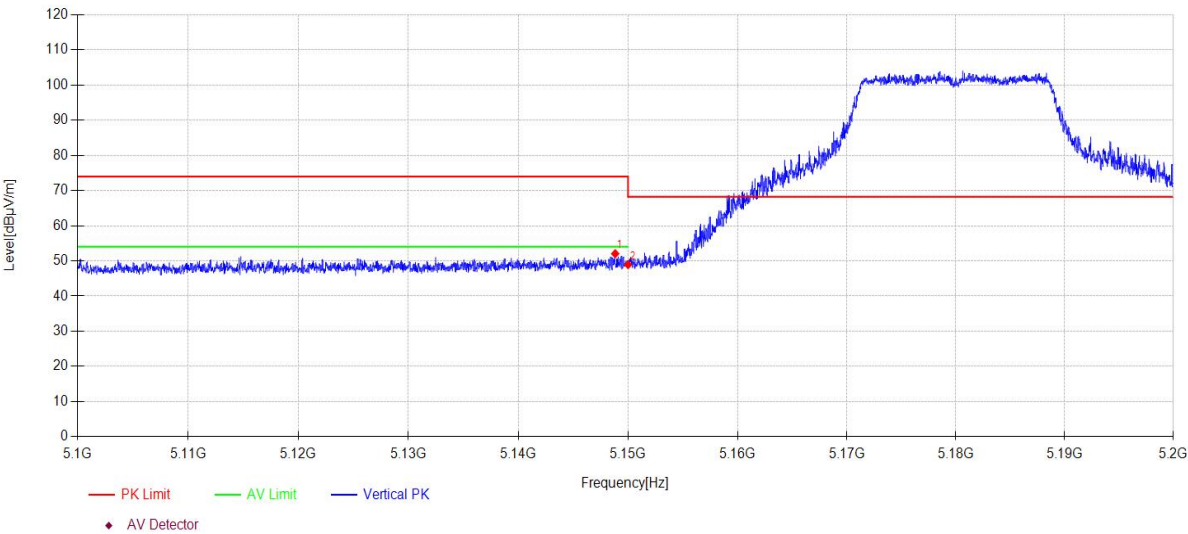
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\32

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5148.83	13.07	33.40	5.58	0.00	52.05	74.00	21.95	PK	Vertical
2	5150.00	9.96	33.40	5.59	0.00	48.95	68.20	19.25	PK	Vertical

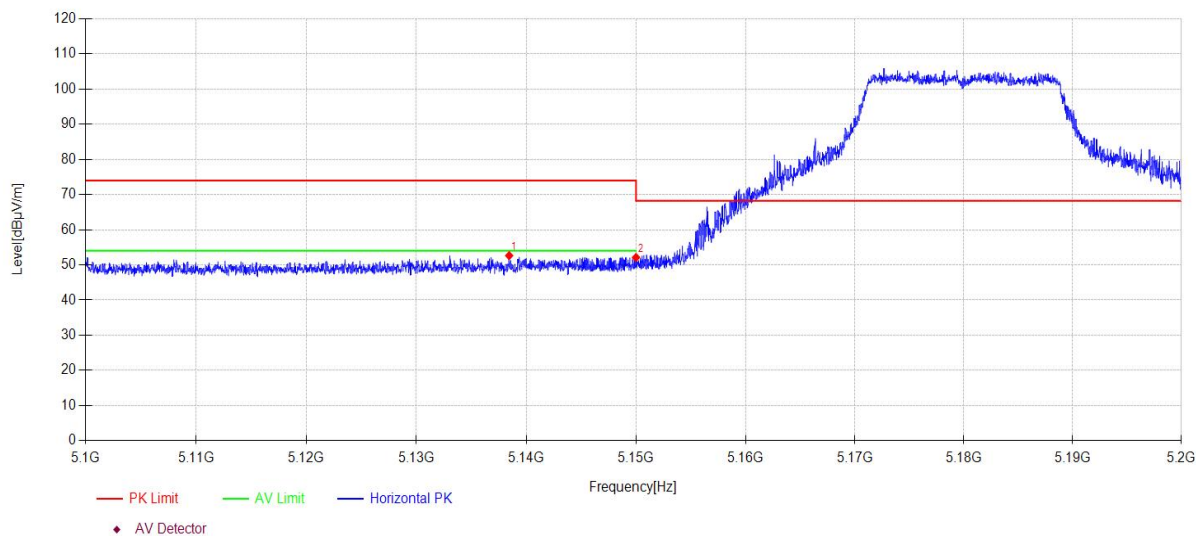
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AC20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\33
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5138.44	13.66	33.40	5.58	0.00	52.64	74.00	21.36	PK	Horizontal
2	5150.00	13.14	33.40	5.59	0.00	52.13	68.20	16.07	PK	Horizontal

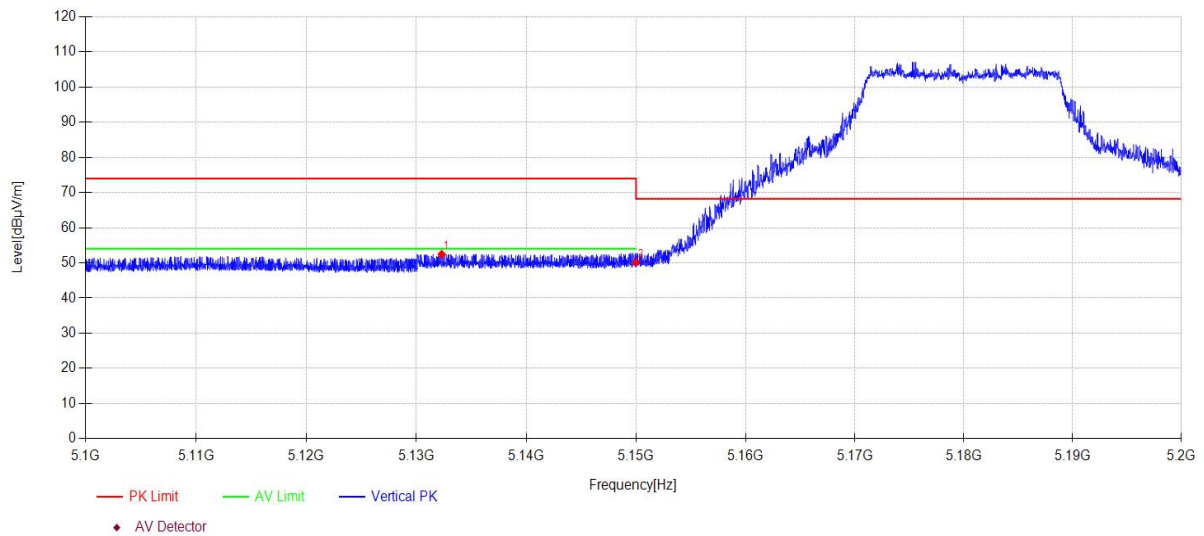
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AC20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\34
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5132.30	13.46	33.40	5.58	0.00	52.44	74.00	21.56	PK	Vertical
2	5150.00	11.16	33.40	5.59	0.00	50.15	68.20	18.05	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX20MIMO TX 5180MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

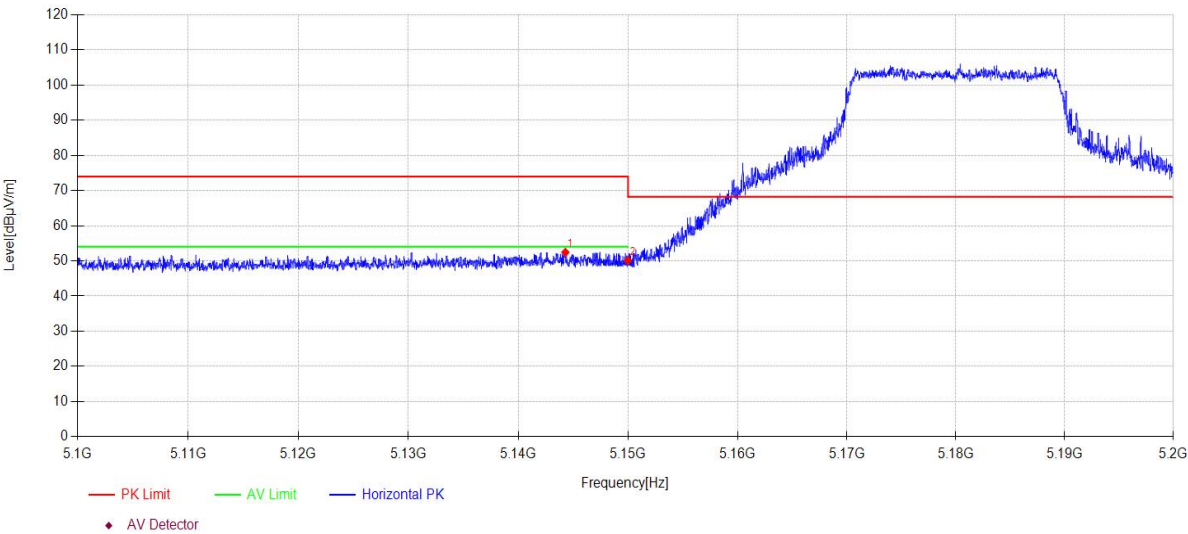
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d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\35

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5144.29	13.47	33.40	5.58	0.00	52.45	74.00	21.55	PK	Horizontal
2	5150.00	11.14	33.40	5.59	0.00	50.13	68.20	18.07	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

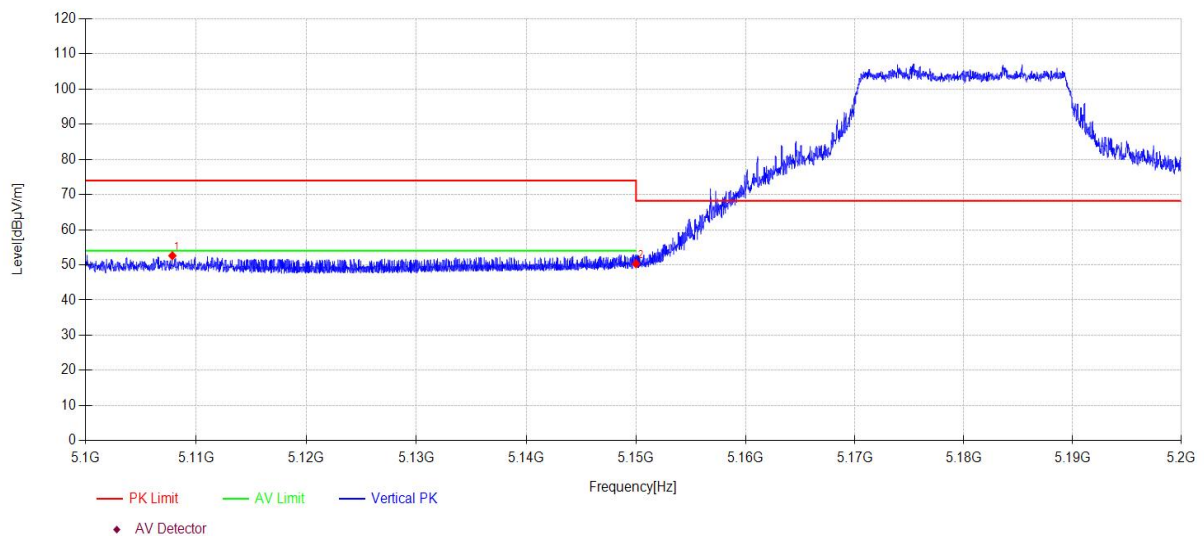
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AX20MIMO TX 5180MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\36
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5107.87	13.65	33.40	5.56	0.00	52.61	74.00	21.39	PK	Vertical
2	5150.00	11.34	33.40	5.59	0.00	50.33	68.20	17.87	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11N40MIMO TX 5190MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

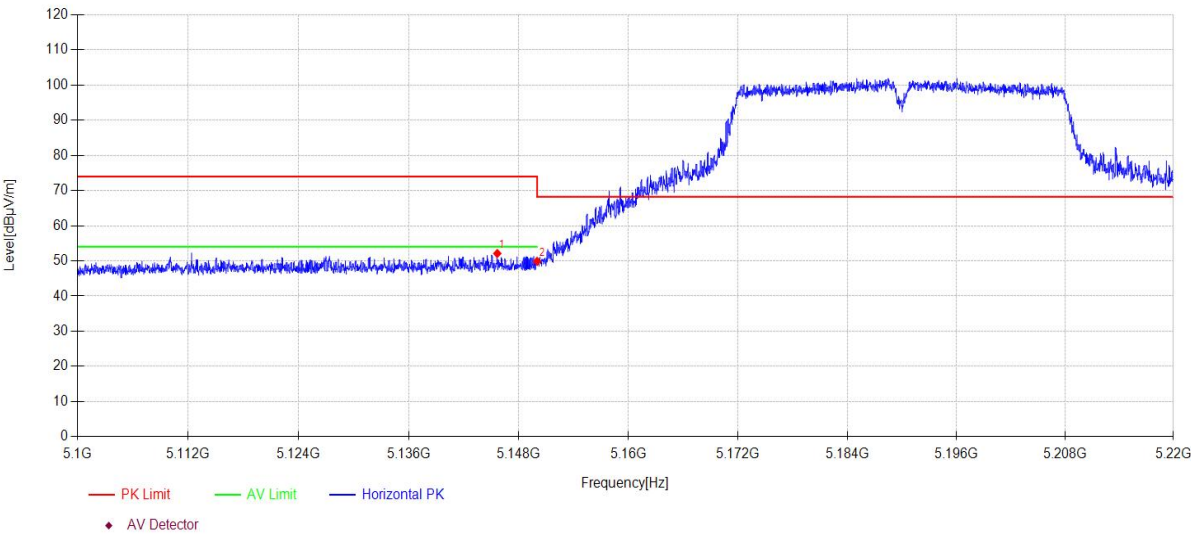
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\37

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5145.65	13.13	33.40	5.58	0.00	52.11	74.00	21.89	PK	Horizontal
2	5150.00	10.90	33.40	5.59	0.00	49.89	68.20	18.31	PK	Horizontal

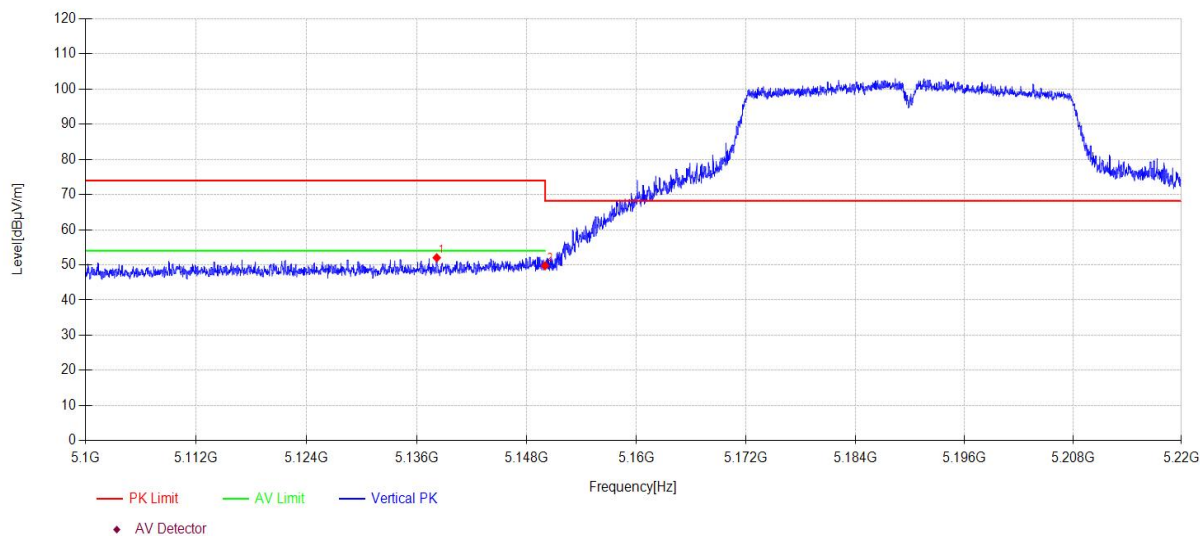
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11N40MIMO TX 5190MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\38
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5138.17	13.05	33.40	5.58	0.00	52.03	74.00	21.97	PK	Vertical
2	5150.00	10.76	33.40	5.59	0.00	49.75	68.20	18.45	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC40MIMO TX 5190MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

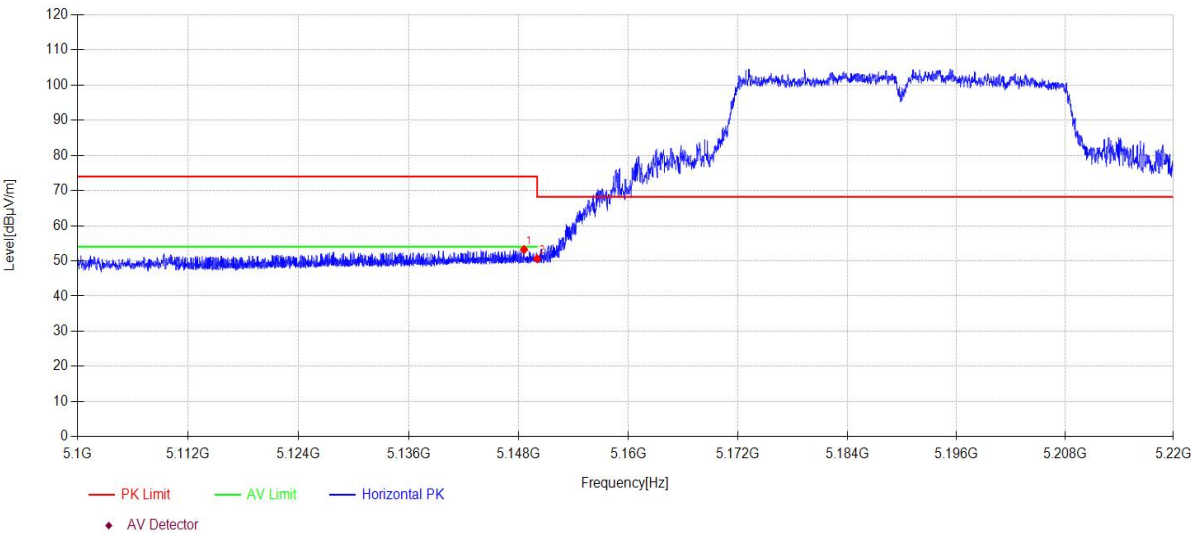
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\39

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5148.58	14.25	33.40	5.58	0.00	53.23	74.00	20.77	PK	Horizontal
2	5150.00	11.64	33.40	5.59	0.00	50.63	68.20	17.57	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC40MIMO TX 5190MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

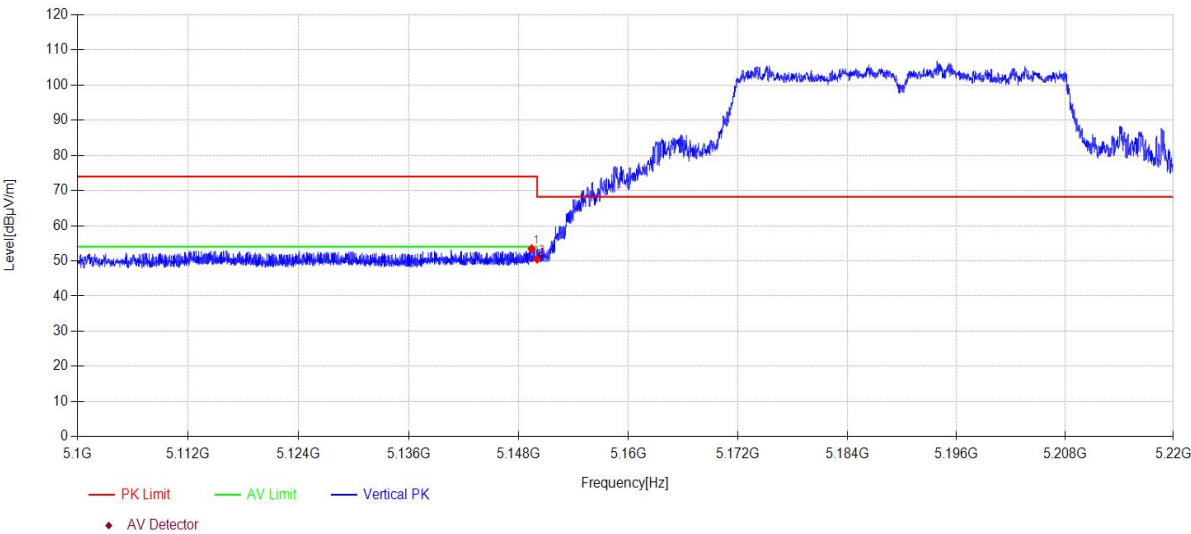
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\40

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5149.40	14.47	33.40	5.58	0.00	53.45	74.00	20.55	PK	Vertical
2	5150.00	11.53	33.40	5.59	0.00	50.52	68.20	17.68	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX40MIMO TX 5190MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

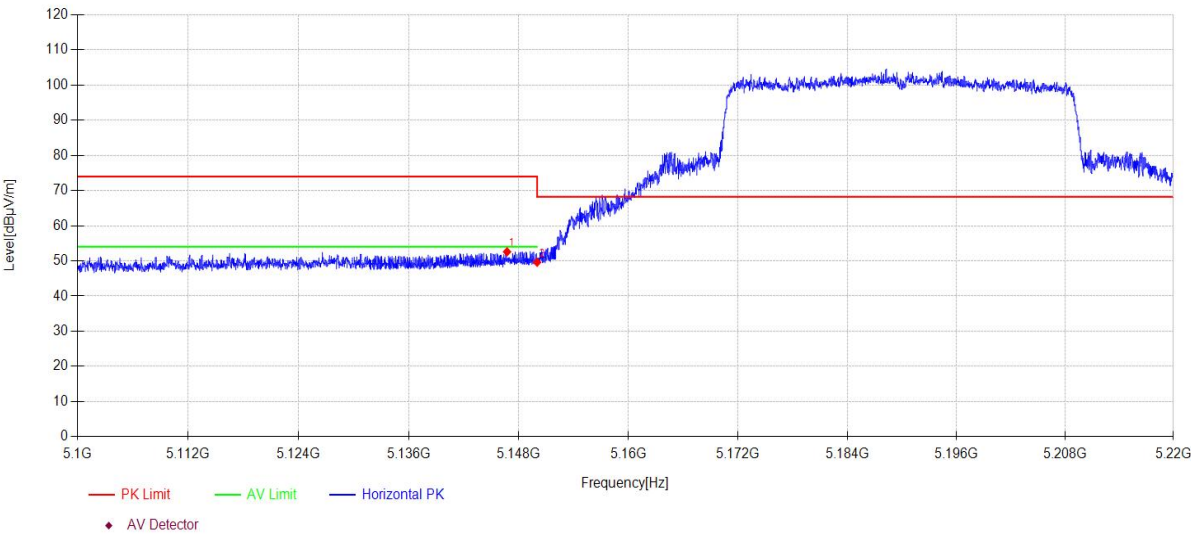
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\43

Memo:

Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5146.72	13.62	33.40	5.58	0.00	52.60	74.00	21.40	PK	Horizontal
2	5150.00	10.62	33.40	5.59	0.00	49.61	68.20	18.59	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX40MIMO TX 5190MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

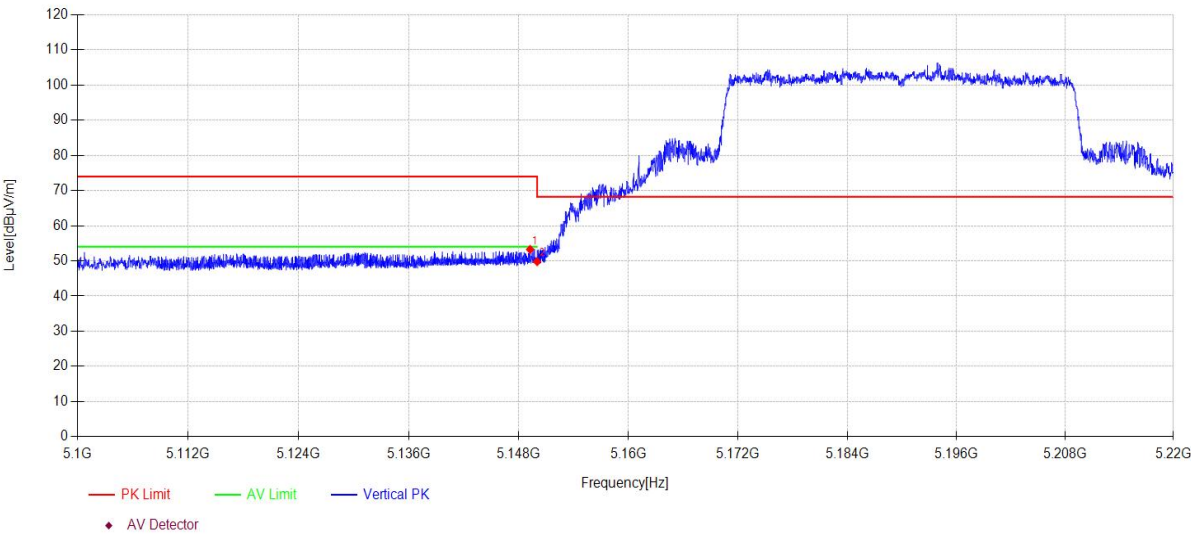
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\44

Memo:

Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5149.24	14.27	33.40	5.58	0.00	53.25	74.00	20.75	PK	Vertical
2	5150.00	10.81	33.40	5.59	0.00	49.80	68.20	18.40	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC80MIMO TX 5210MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

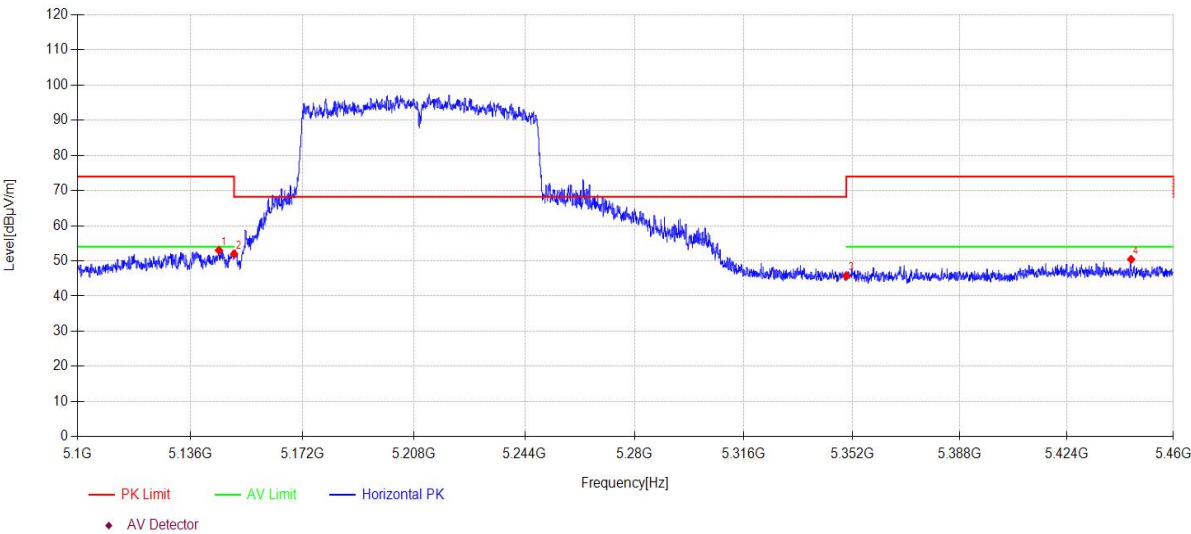
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Memo:

Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5145.14	14.05	33.40	5.58	0.00	53.03	74.00	20.97	PK	Horizontal
2	5150.00	13.00	33.40	5.59	0.00	51.99	68.20	16.21	PK	Horizontal
3	5350.00	6.99	33.10	5.69	0.00	45.78	74.00	28.22	PK	Horizontal
4	5445.67	11.69	33.01	5.73	0.00	50.43	74.00	23.57	PK	Horizontal

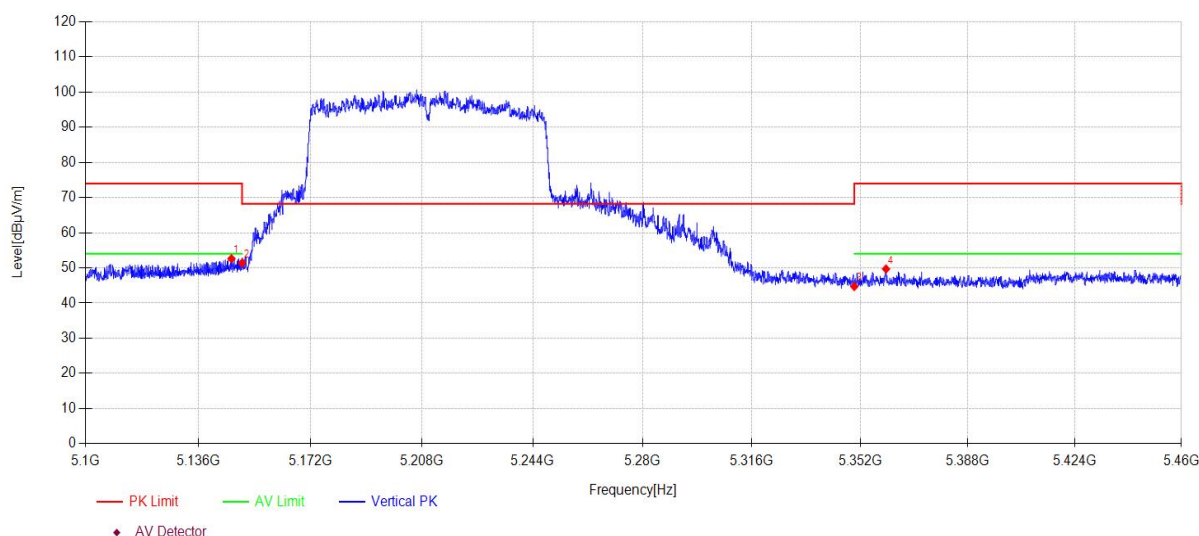
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AC80MIMO TX 5210MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\46
Memo: Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5146.58	13.65	33.40	5.58	0.00	52.63	74.00	21.37	PK	Vertical
2	5150.00	12.41	33.40	5.59	0.00	51.40	68.20	16.80	PK	Vertical
3	5350.00	5.92	33.10	5.69	0.00	44.71	74.00	29.29	PK	Vertical
4	5360.57	10.92	33.10	5.69	0.00	49.71	74.00	24.29	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX80MIMO TX 5210MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

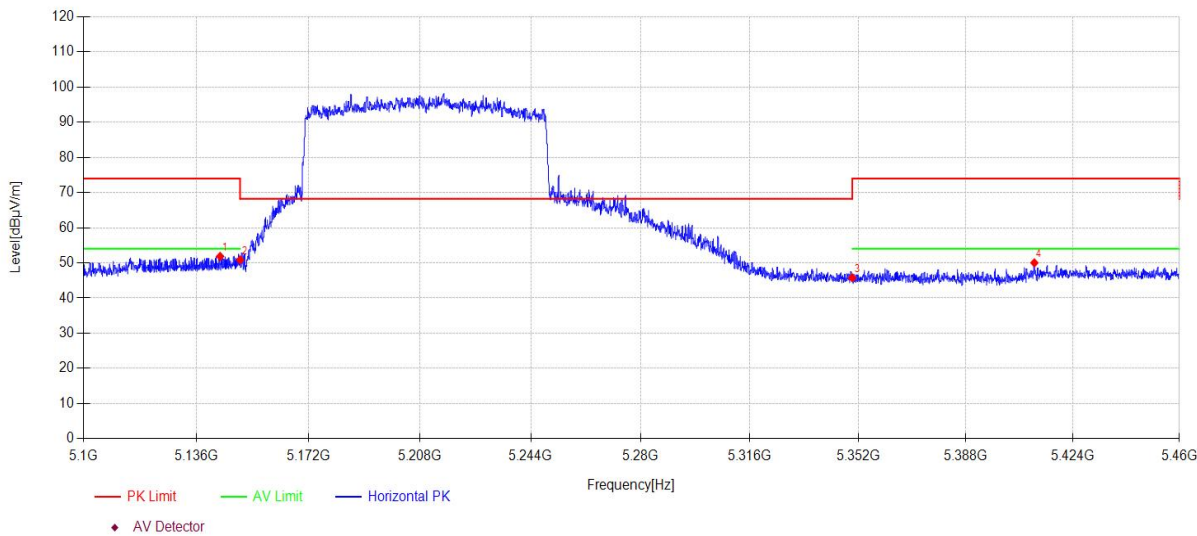
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\47

Memo:

Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5143.60	12.87	33.40	5.58	0.00	51.85	74.00	22.15	PK	Horizontal
2	5150.00	11.86	33.40	5.59	0.00	50.85	68.20	17.35	PK	Horizontal
3	5350.00	6.97	33.10	5.69	0.00	45.76	74.00	28.24	PK	Horizontal
4	5410.97	11.22	33.08	5.72	0.00	50.02	74.00	23.98	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX80MIMO TX 5210MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

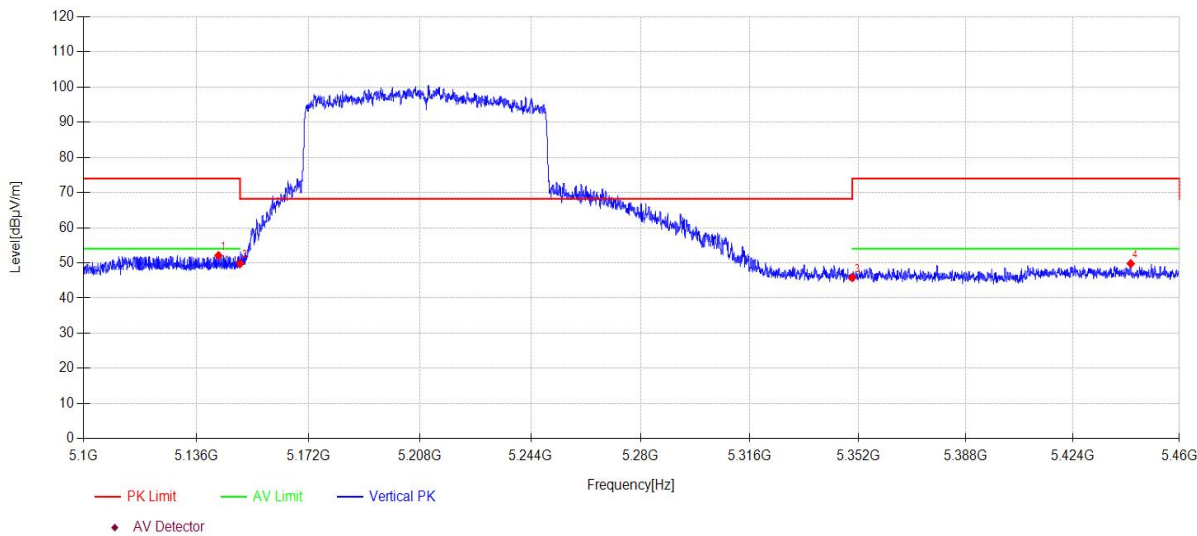
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\48

Memo:

Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5143.09	13.11	33.40	5.58	0.00	52.09	74.00	21.91	PK	Vertical
2	5150.00	10.78	33.40	5.59	0.00	49.77	68.20	18.43	PK	Vertical
3	5350.00	7.03	33.10	5.69	0.00	45.82	74.00	28.18	PK	Vertical
4	5443.51	11.06	33.01	5.73	0.00	49.80	74.00	24.20	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC80MIMO TX 5290MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

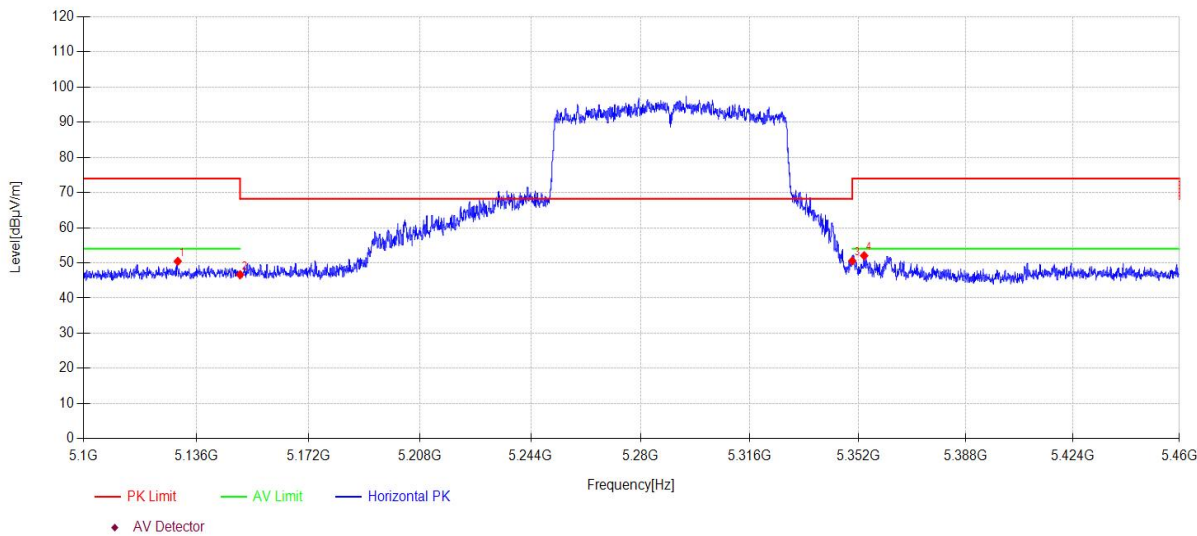
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\49

Memo:

Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5130.06	11.47	33.40	5.58	0.00	50.45	74.00	23.55	PK	Horizontal
2	5150.00	7.64	33.40	5.59	0.00	46.63	68.20	21.57	PK	Horizontal
3	5350.00	11.80	33.10	5.69	0.00	50.59	74.00	23.41	PK	Horizontal
4	5353.94	13.27	33.10	5.69	0.00	52.06	74.00	21.94	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC80MIMO TX 5290MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

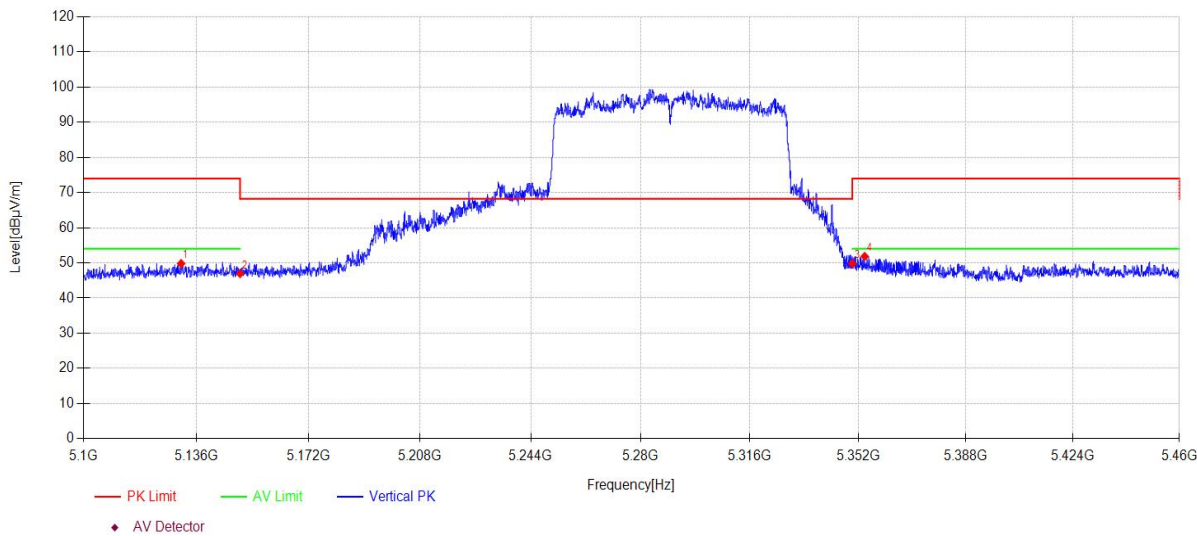
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\50

Memo:

Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5131.14	10.85	33.40	5.58	0.00	49.83	74.00	24.17	PK	Vertical
2	5150.00	7.97	33.40	5.59	0.00	46.96	68.20	21.24	PK	Vertical
3	5350.00	11.00	33.10	5.69	0.00	49.79	74.00	24.21	PK	Vertical
4	5354.12	13.06	33.10	5.69	0.00	51.85	74.00	22.15	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX80MIMO TX 5290MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

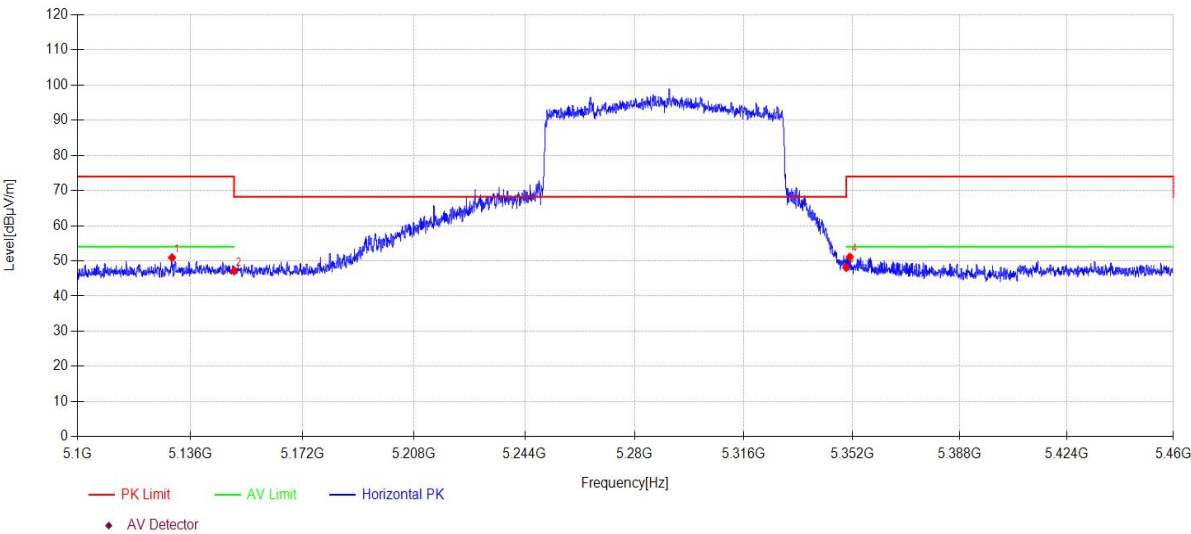
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\51

Memo:

Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5130.13	11.93	33.40	5.58	0.00	50.91	74.00	23.09	PK	Horizontal
2	5150.00	8.18	33.40	5.59	0.00	47.17	68.20	21.03	PK	Horizontal
3	5350.00	9.29	33.10	5.69	0.00	48.08	74.00	25.92	PK	Horizontal
4	5351.14	12.29	33.10	5.69	0.00	51.08	74.00	22.92	PK	Horizontal

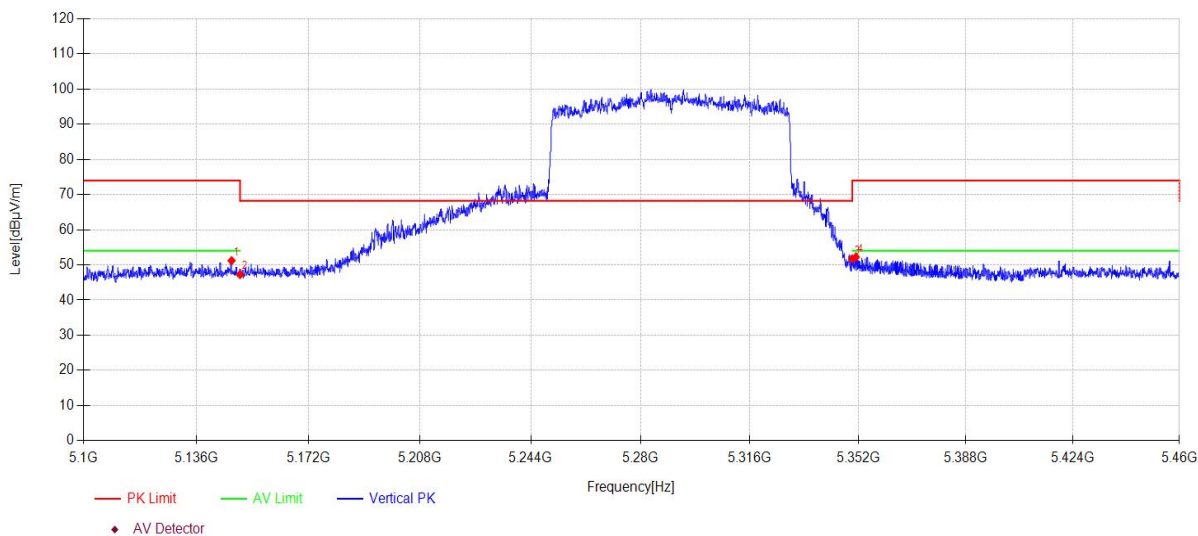
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AX80MIMO TX 5290MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\52
Memo: Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5147.27	12.23	33.40	5.58	0.00	51.21	74.00	22.79	PK	Vertical
2	5150.00	8.26	33.40	5.59	0.00	47.25	68.20	20.95	PK	Vertical
3	5350.00	12.95	33.10	5.69	0.00	51.74	74.00	22.26	PK	Vertical
4	5351.17	13.42	33.10	5.69	0.00	52.21	74.00	21.79	PK	Vertical

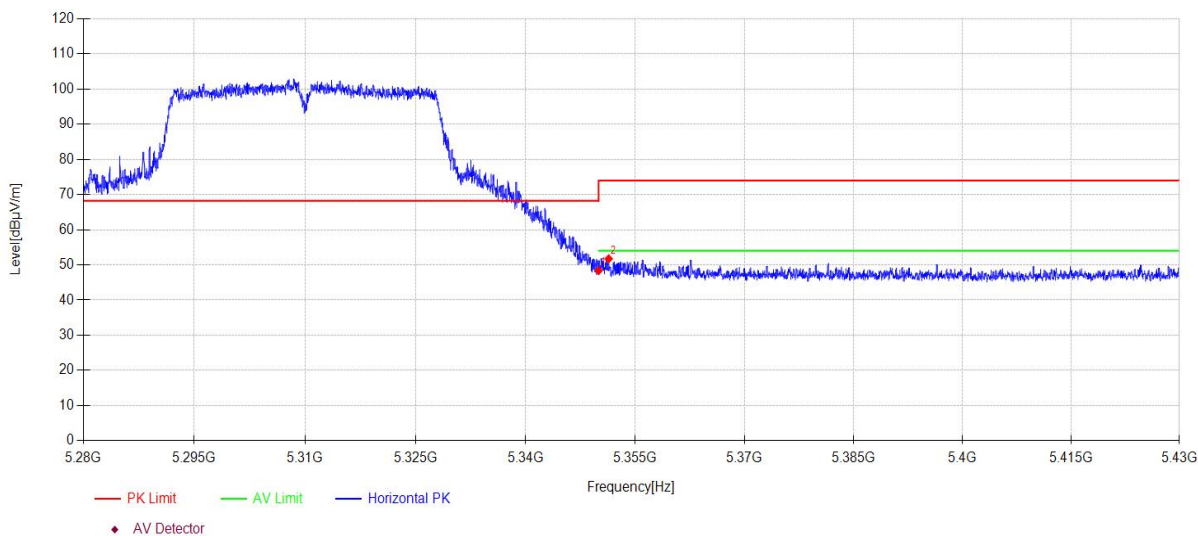
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-24 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11N40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\53
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	9.60	33.10	5.69	0.00	48.39	74.00	25.61	PK	Horizontal
2	5351.37	12.95	33.10	5.69	0.00	51.74	74.00	22.26	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-24

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11N40MIMO TX 5310MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

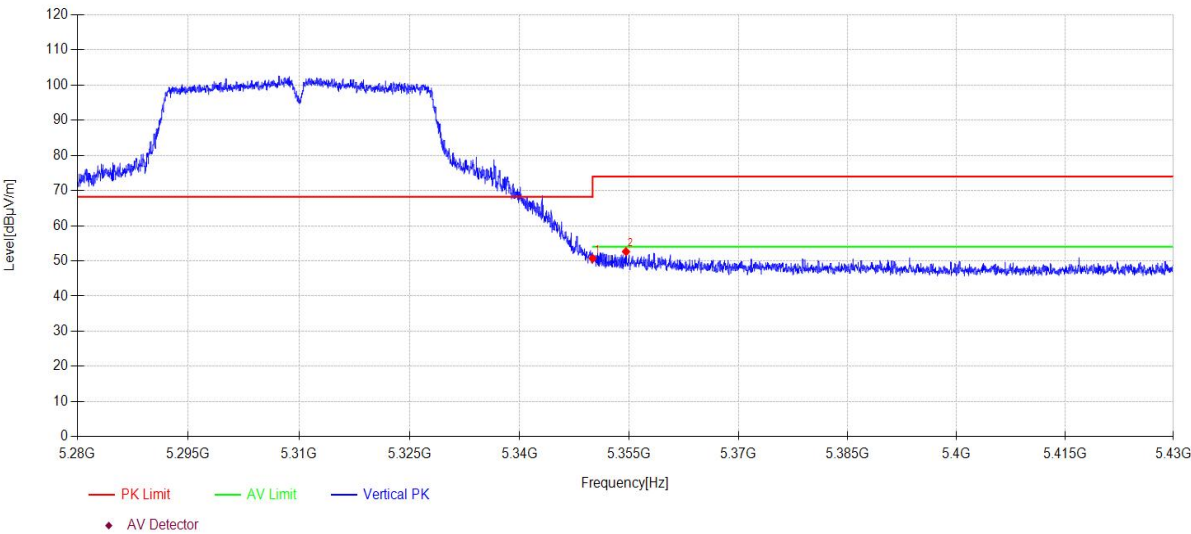
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\54

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	11.91	33.10	5.69	0.00	50.70	74.00	23.30	PK	Vertical
2	5354.57	13.85	33.10	5.69	0.00	52.64	74.00	21.36	PK	Vertical

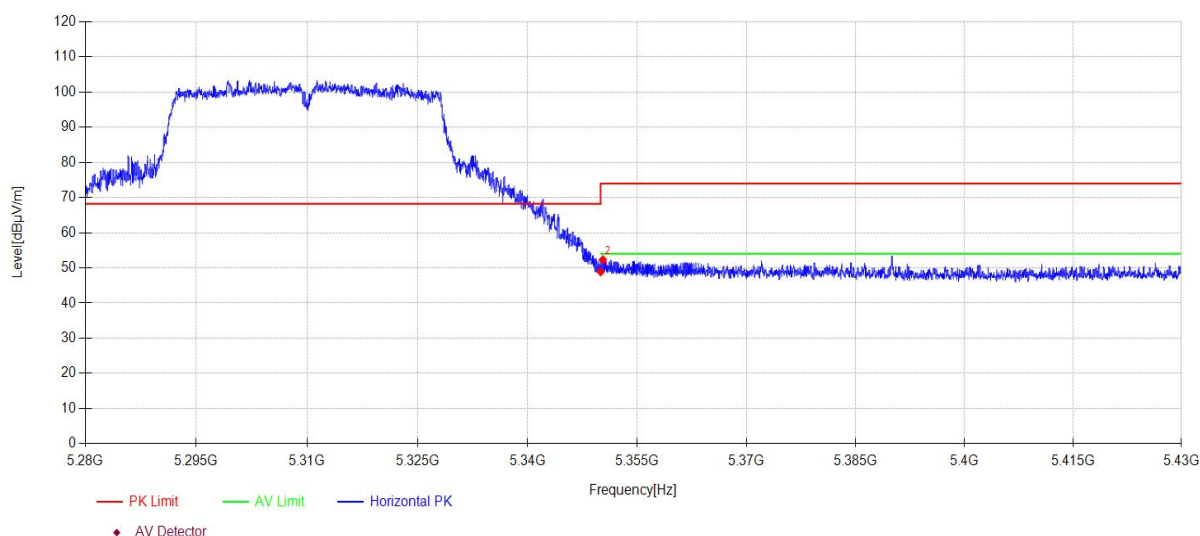
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AC40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\55
Memo: Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	10.10	33.10	5.69	0.00	48.89	74.00	25.11	PK	Horizontal
2	5350.31	13.54	33.10	5.69	0.00	52.33	74.00	21.67	PK	Horizontal

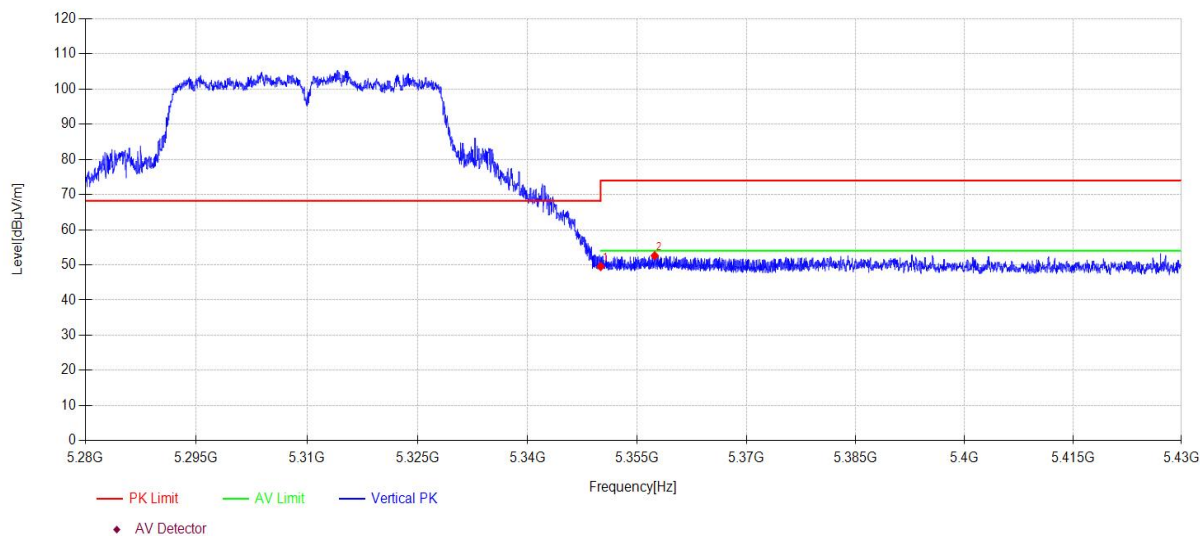
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AC40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\56
Memo: Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	10.75	33.10	5.69	0.00	49.54	74.00	24.46	PK	Vertical
2	5357.40	13.85	33.10	5.69	0.00	52.64	74.00	21.36	PK	Vertical

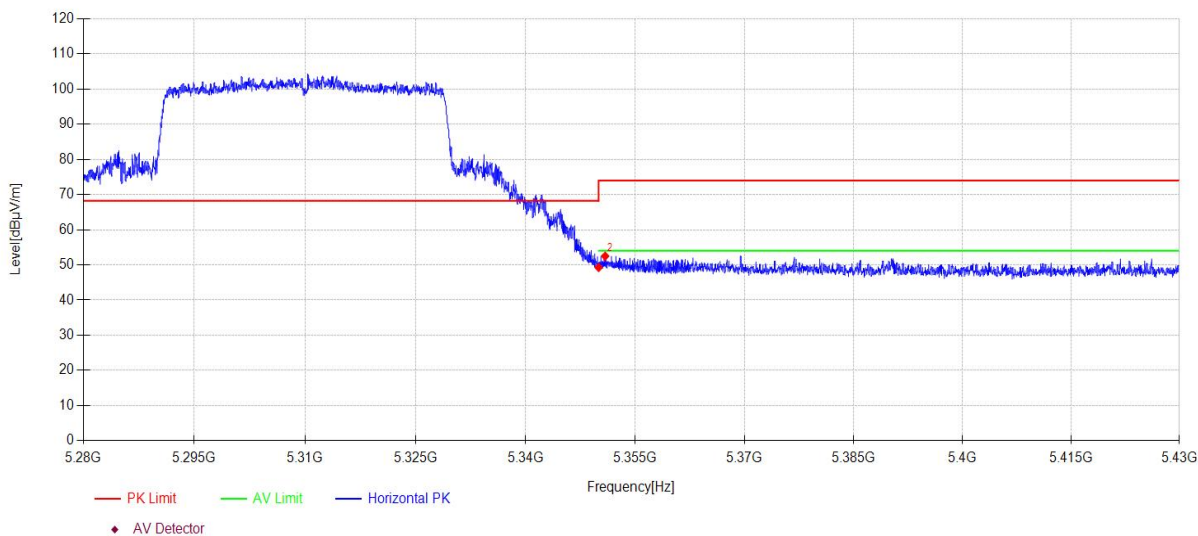
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AX40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\57
Memo: Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	10.46	33.10	5.69	0.00	49.25	74.00	24.75	PK	Horizontal
2	5350.89	13.71	33.10	5.69	0.00	52.50	74.00	21.50	PK	Horizontal

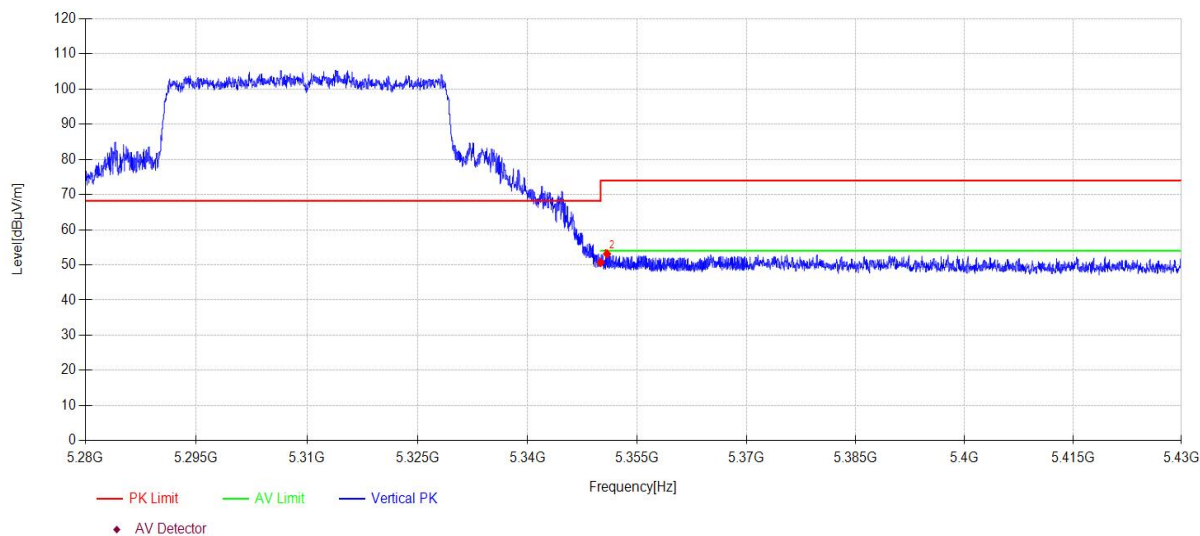
Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AX40MIMO TX 5310MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\58
Memo: Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	11.87	33.10	5.69	0.00	50.66	74.00	23.34	PK	Vertical
2	5350.88	14.35	33.10	5.69	0.00	53.14	74.00	20.86	PK	Vertical

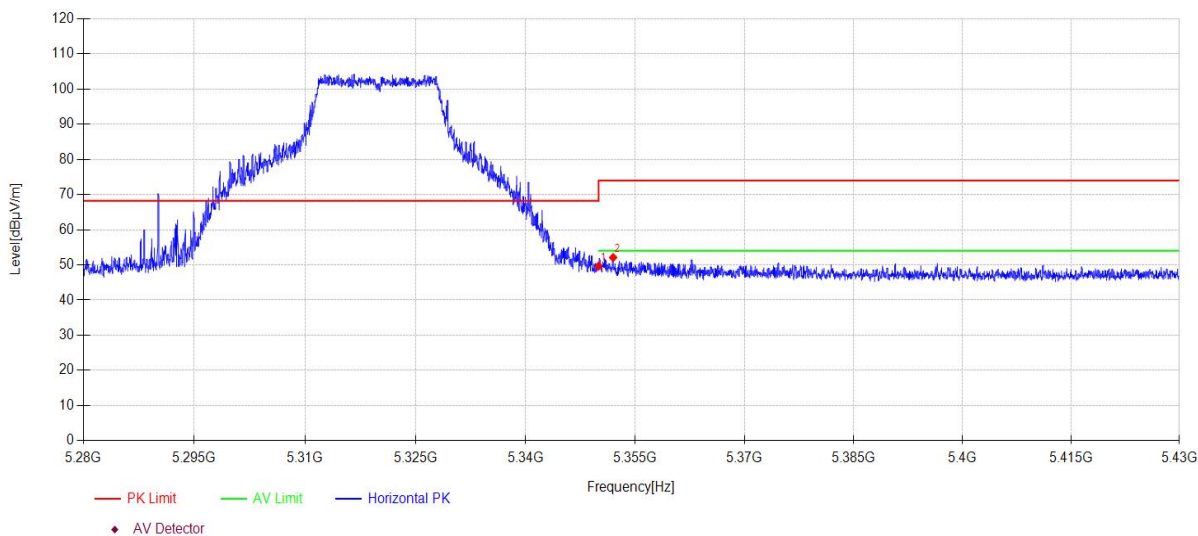
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11A ANT1 TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\59
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	10.88	33.10	5.69	0.00	49.67	74.00	24.33	PK	Horizontal
2	5351.99	13.31	33.10	5.69	0.00	52.10	74.00	21.90	PK	Horizontal

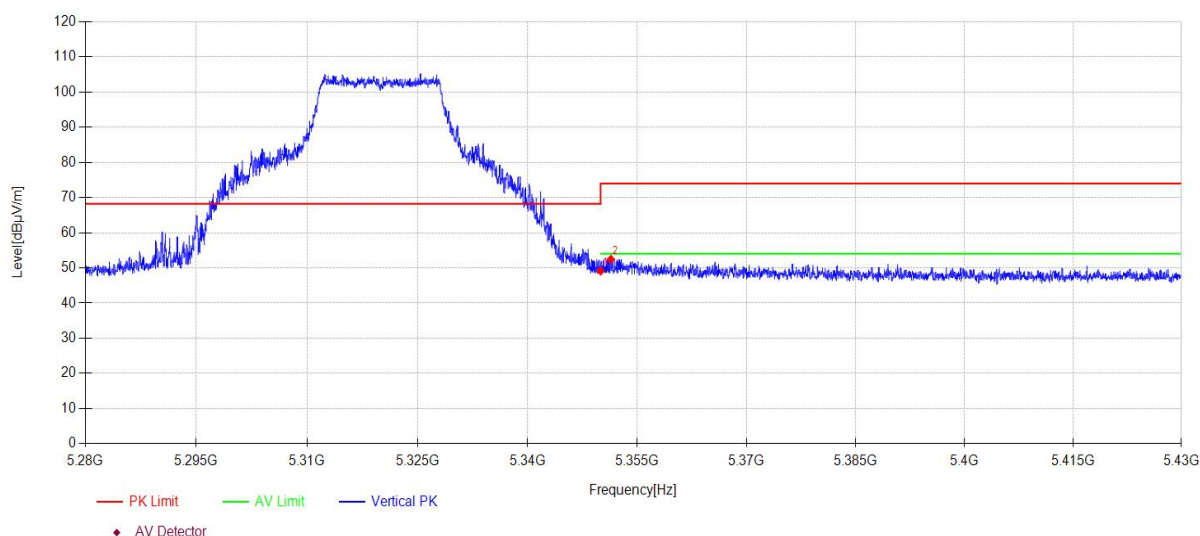
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11A ANT1 TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\60
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	10.33	33.10	5.69	0.00	49.12	74.00	24.88	PK	Vertical
2	5351.40	13.65	33.10	5.69	0.00	52.44	74.00	21.56	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11A ANT2 TX 5320MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

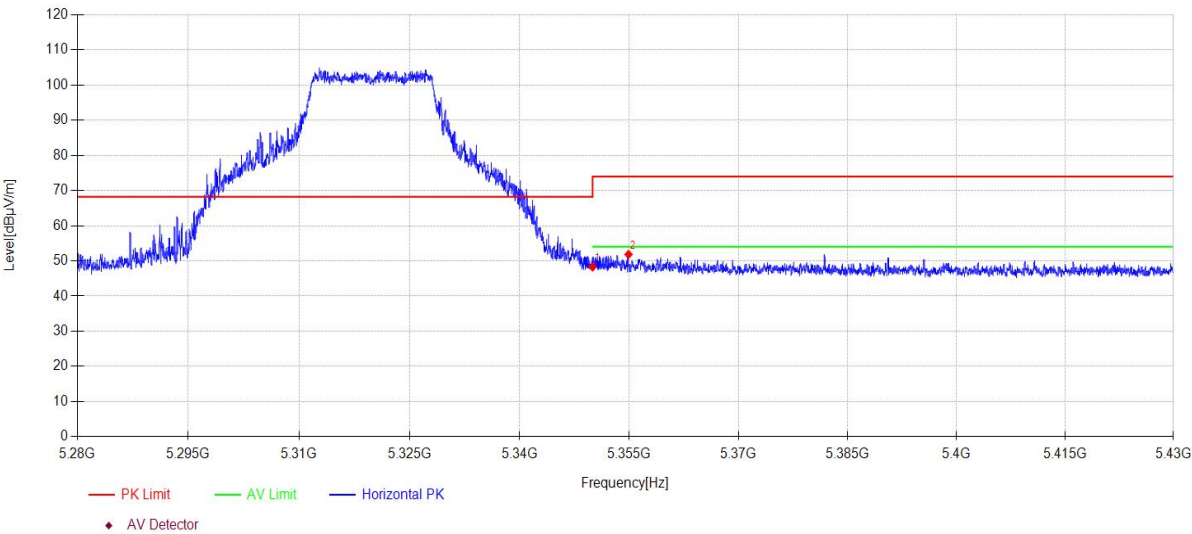
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\61

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	9.48	33.10	5.69	0.00	48.27	74.00	25.73	PK	Horizontal
2	5354.91	13.05	33.10	5.69	0.00	51.84	74.00	22.16	PK	Horizontal

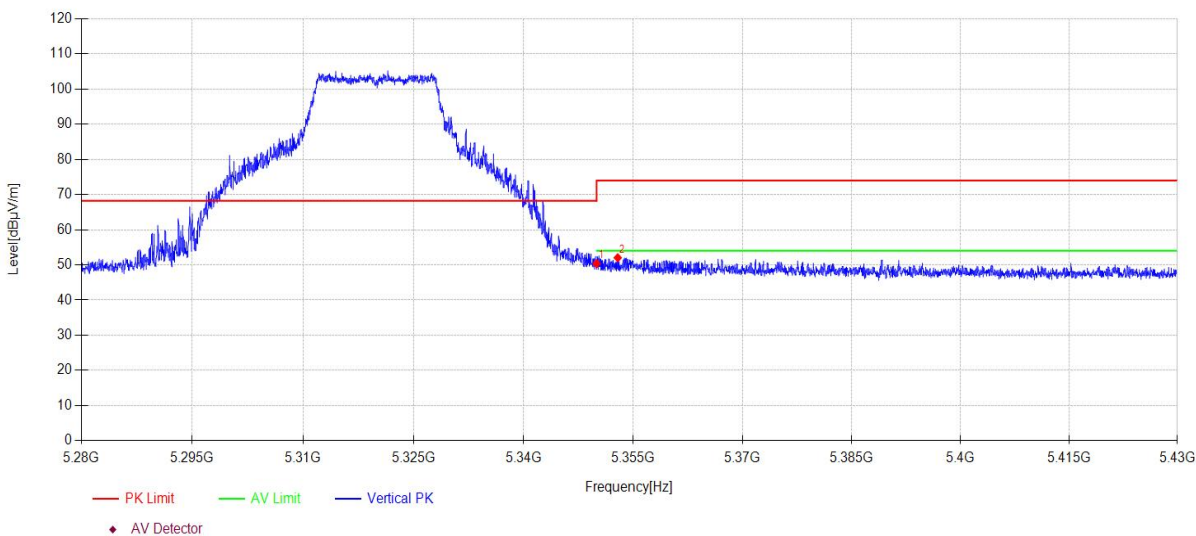
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11A ANT2 TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\62
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	11.57	33.10	5.69	0.00	50.36	74.00	23.64	PK	Vertical
2	5352.89	13.24	33.10	5.69	0.00	52.03	74.00	21.97	PK	Vertical

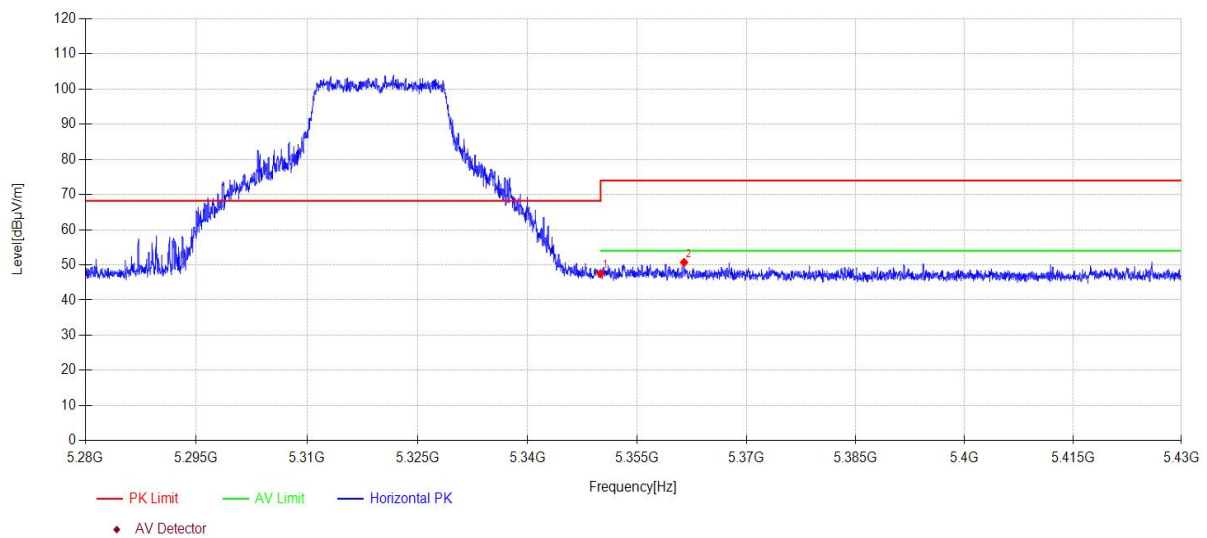
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11N20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\63
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	8.73	33.10	5.69	0.00	47.52	74.00	26.48	PK	Horizontal
2	5361.42	11.90	33.10	5.69	0.00	50.69	74.00	23.31	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11N20MIMO TX 5320MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

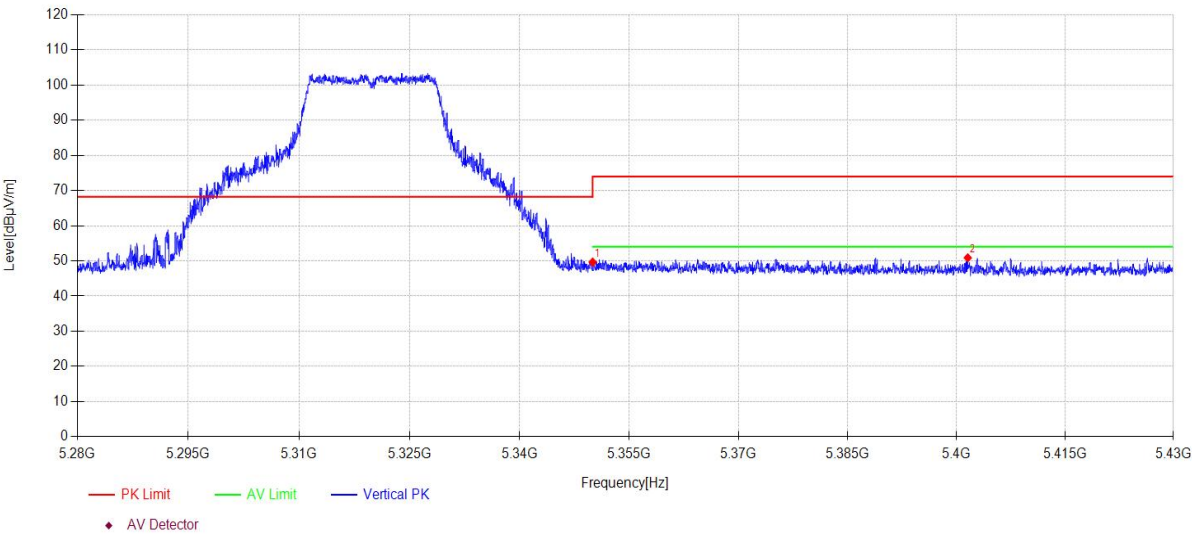
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\64

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	10.87	33.10	5.69	0.00	49.66	74.00	24.34	PK	Vertical
2	5401.55	12.07	33.10	5.71	0.00	50.88	74.00	23.12	PK	Vertical

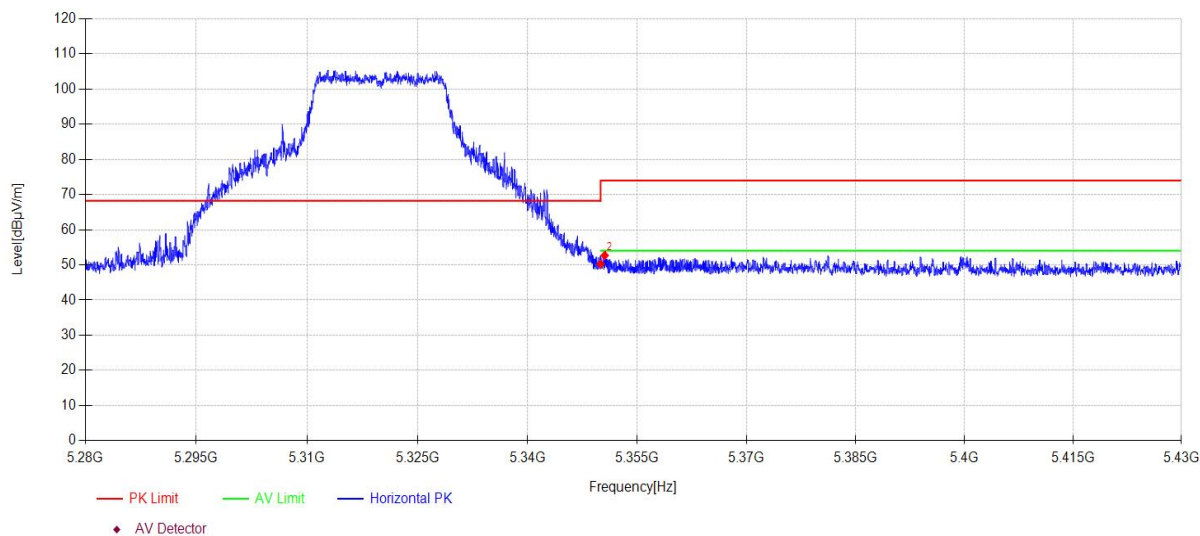
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AC20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\65
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	11.46	33.10	5.69	0.00	50.25	74.00	23.75	PK	Horizontal
2	5350.56	13.90	33.10	5.69	0.00	52.69	74.00	21.31	PK	Horizontal

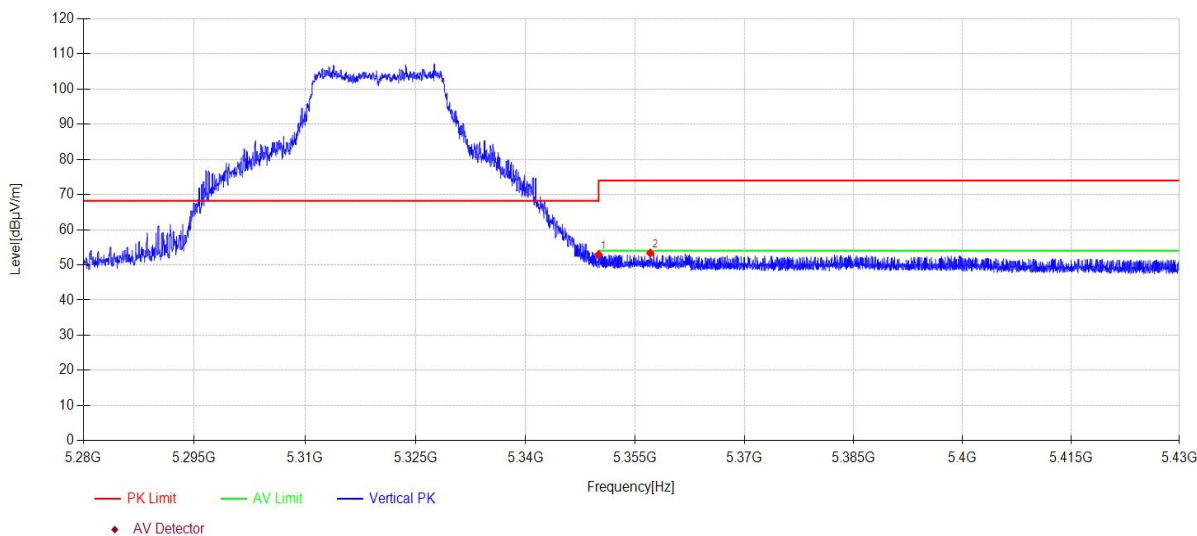
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AC20MIMO TX 5320MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\66
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	14.13	33.10	5.69	0.00	52.92	74.00	21.08	PK	Vertical
2	5357.07	14.58	33.10	5.69	0.00	53.37	74.00	20.63	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX20MIMO TX 5320MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

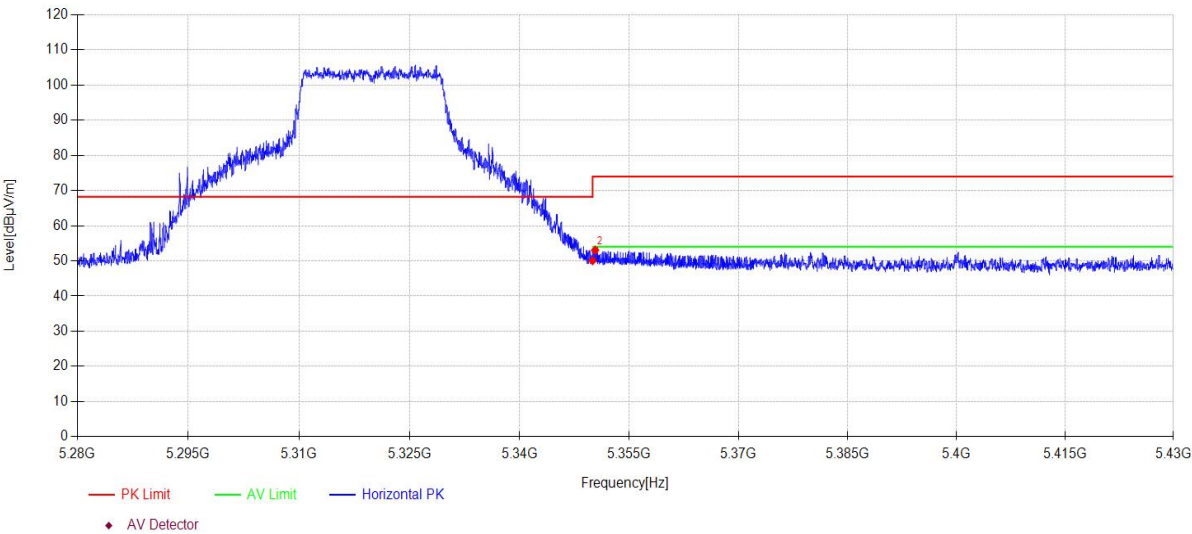
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\67

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	11.27	33.10	5.69	0.00	50.06	74.00	23.94	PK	Horizontal
2	5350.34	14.27	33.10	5.69	0.00	53.06	74.00	20.94	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX20MIMO TX 5320MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

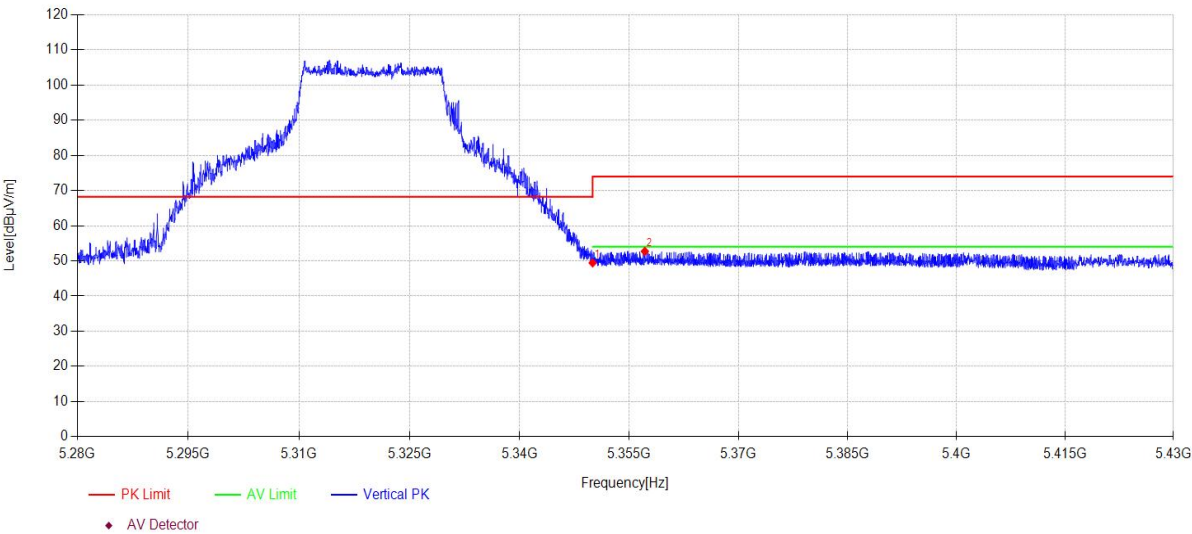
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\68

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5350.00	10.64	33.10	5.69	0.00	49.43	74.00	24.57	PK	Vertical
2	5357.15	13.93	33.10	5.69	0.00	52.72	74.00	21.28	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11A ANT1 TX 5500MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

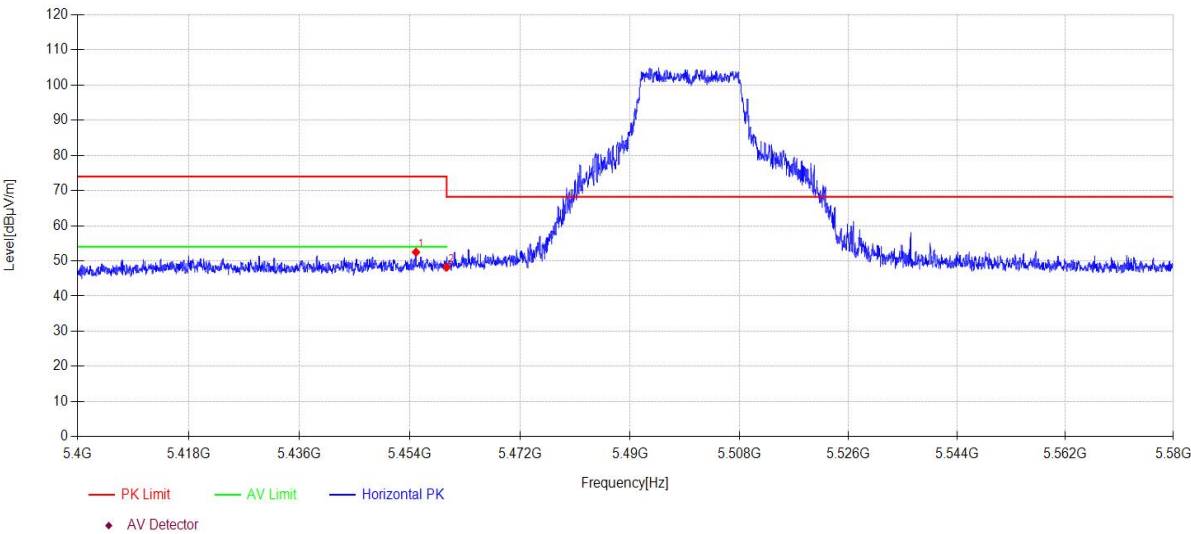
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\69

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5454.99	13.74	33.00	5.74	0.00	52.48	74.00	21.52	PK	Horizontal
2	5460.00	9.49	33.00	5.74	0.00	48.23	68.20	19.97	PK	Horizontal

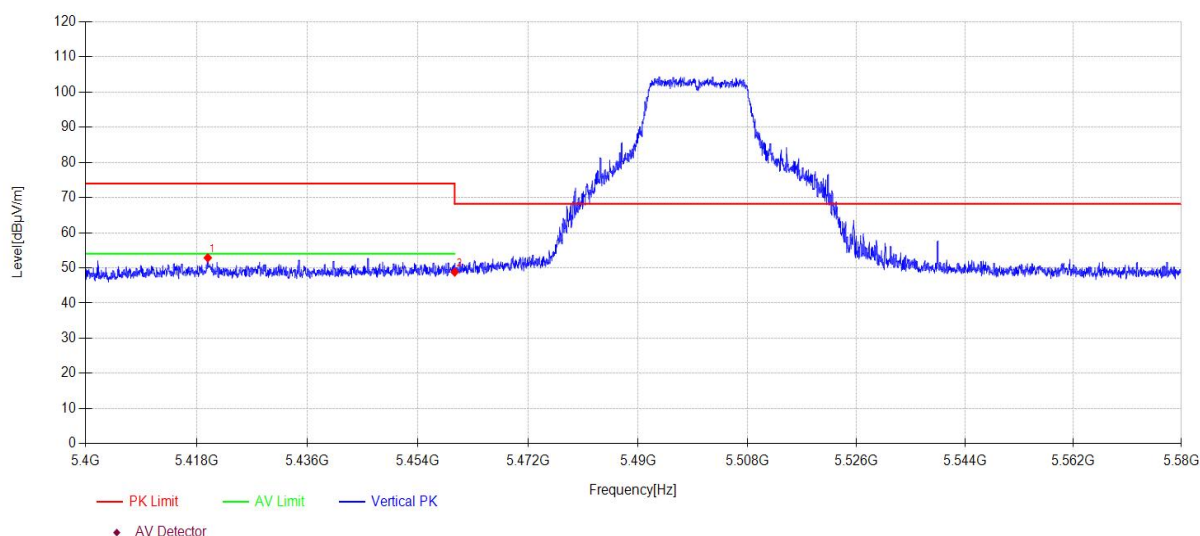
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11A ANT1 TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\70
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5419.82	14.09	33.06	5.72	0.00	52.87	74.00	21.13	PK	Vertical
2	5460.00	10.06	33.00	5.74	0.00	48.80	68.20	19.40	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11A ANT2 TX 5500MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

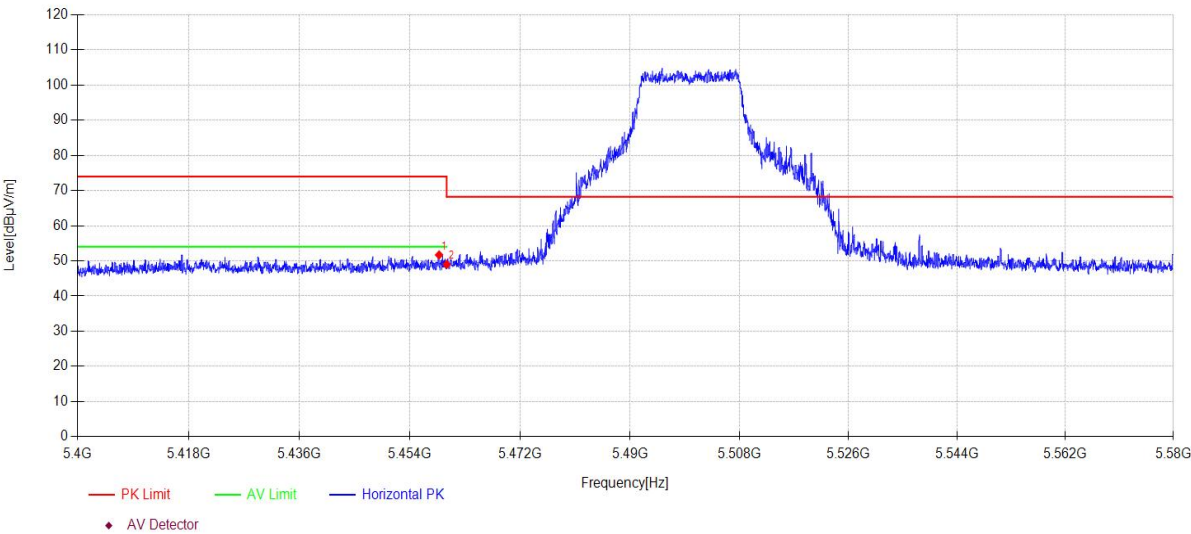
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\71

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5458.75	12.96	33.00	5.74	0.00	51.70	74.00	22.30	PK	Horizontal
2	5460.00	10.27	33.00	5.74	0.00	49.01	68.20	19.19	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11A ANT2 TX 5500MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

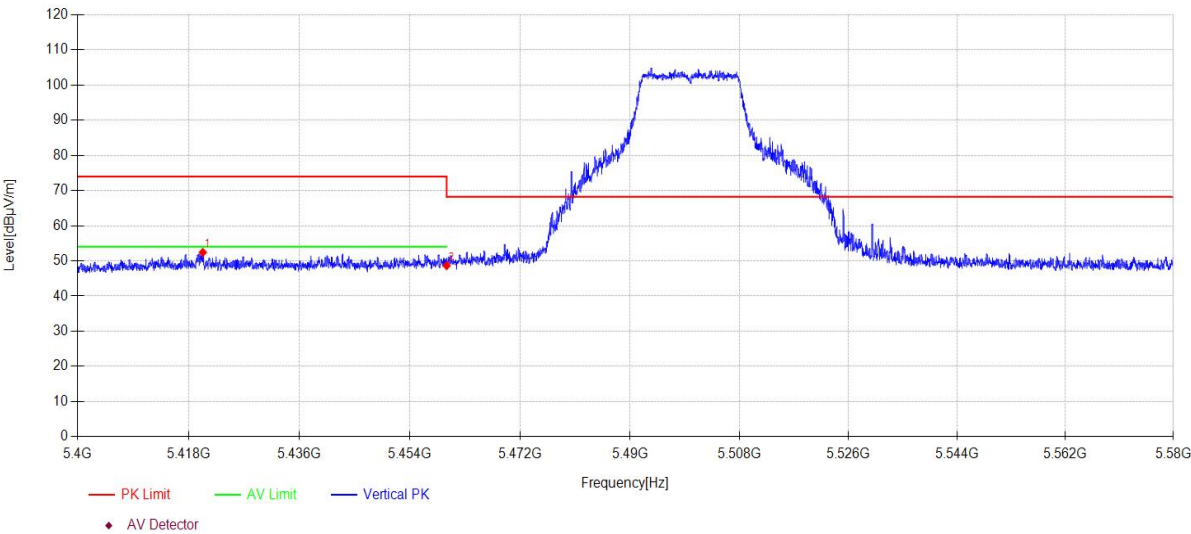
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\72

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5420.30	13.63	33.06	5.72	0.00	52.41	74.00	21.59	PK	Vertical
2	5460.00	9.92	33.00	5.74	0.00	48.66	68.20	19.54	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11N20MIMO TX 5500MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

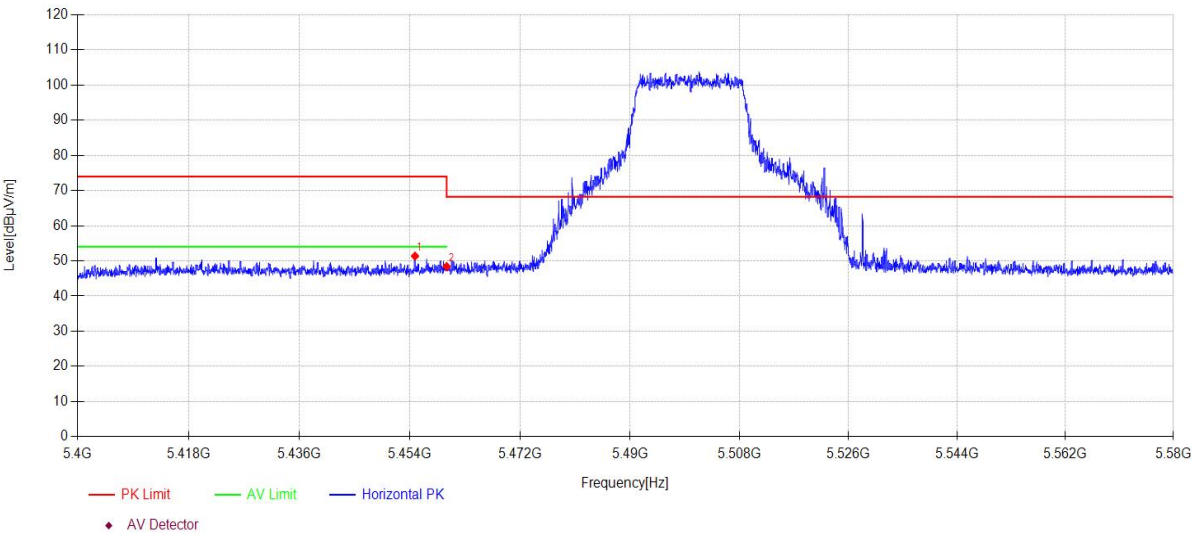
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\73

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5454.83	12.63	33.00	5.74	0.00	51.37	74.00	22.63	PK	Horizontal
2	5460.00	9.67	33.00	5.74	0.00	48.41	68.20	19.79	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11N20MIMO TX 5500MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

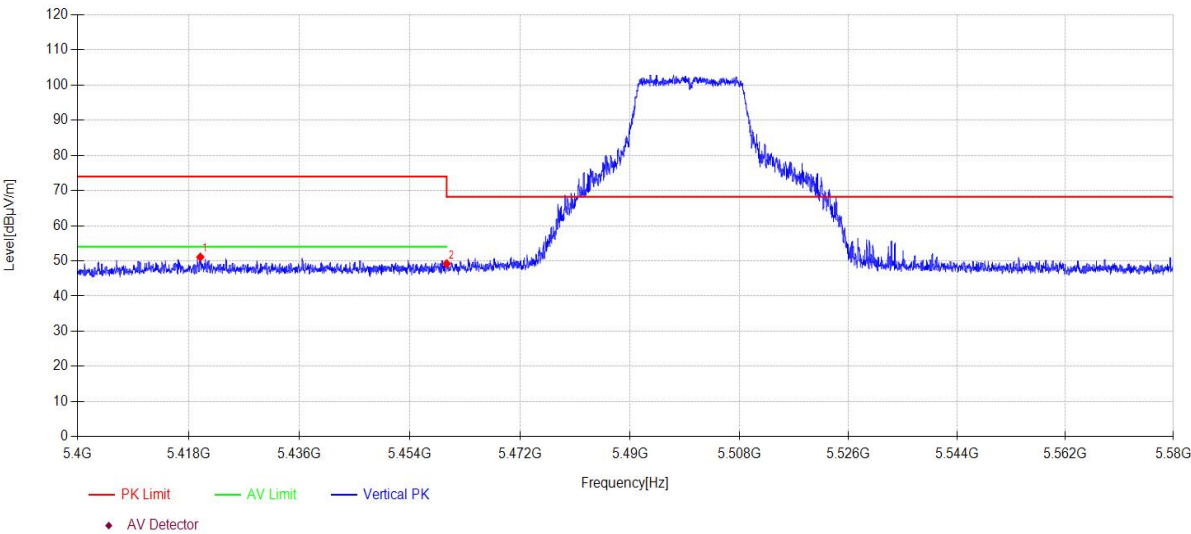
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\74

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5419.91	12.31	33.06	5.72	0.00	51.09	74.00	22.91	PK	Vertical
2	5460.00	10.47	33.00	5.74	0.00	49.21	68.20	18.99	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

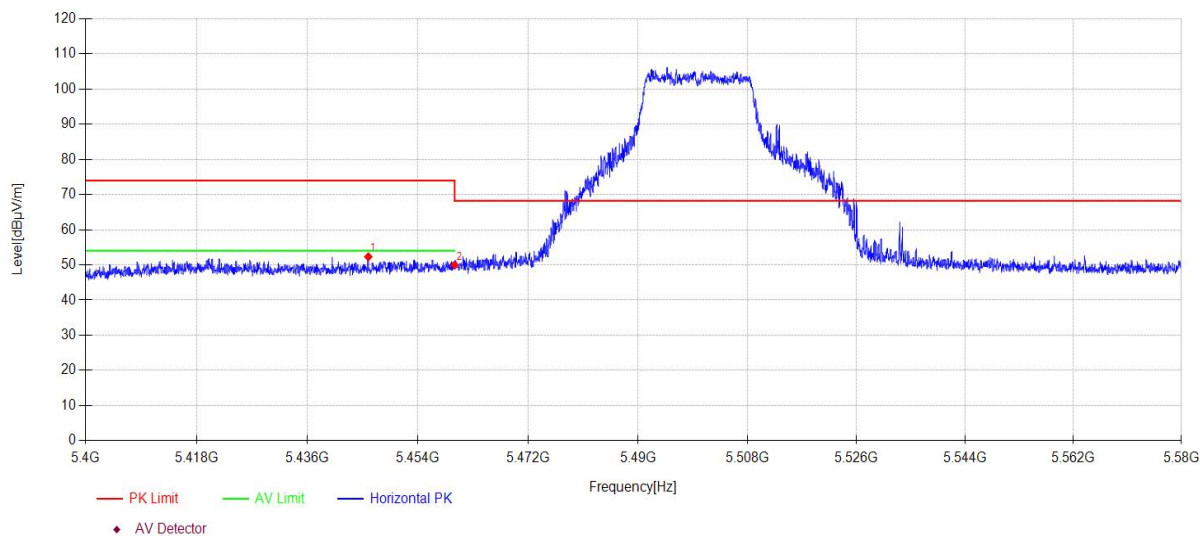
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AC20MIMO TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\75
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5445.90	13.57	33.01	5.73	0.00	52.31	74.00	21.69	PK	Horizontal
2	5460.00	11.22	33.00	5.74	0.00	49.96	68.20	18.24	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC20MIMO TX 5500MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

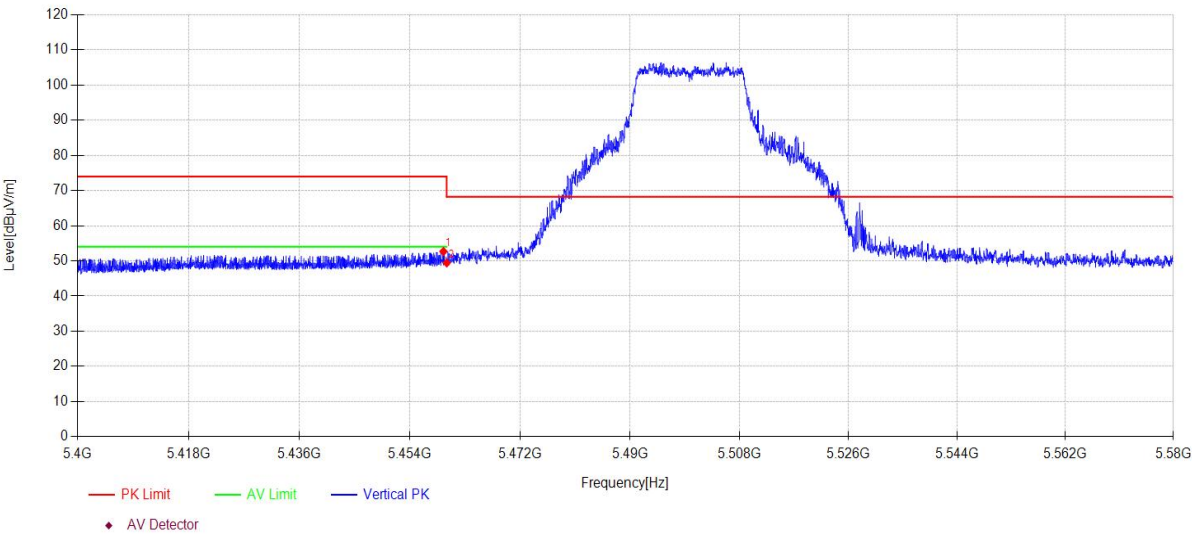
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\76

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5459.47	13.95	33.00	5.74	0.00	52.69	74.00	21.31	PK	Vertical
2	5460.00	10.69	33.00	5.74	0.00	49.43	68.20	18.77	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX20MIMO TX 5500MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

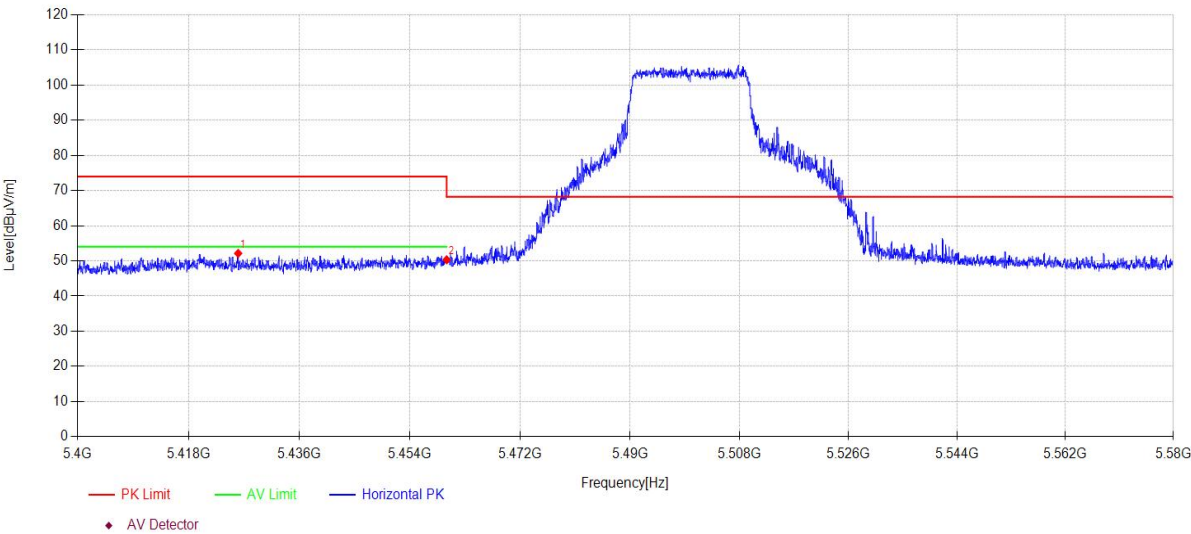
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\77

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5426.05	13.37	33.05	5.72	0.00	52.14	74.00	21.86	PK	Horizontal
2	5460.00	11.58	33.00	5.74	0.00	50.32	68.20	17.88	PK	Horizontal

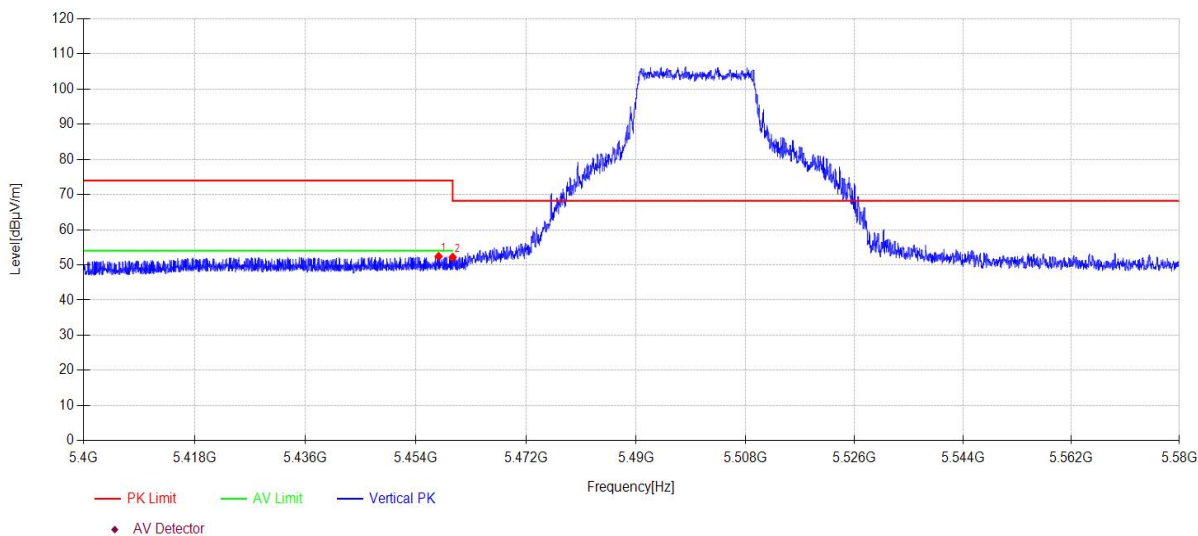
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AX20MIMO TX 5500MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\78
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5457.71	13.68	33.00	5.74	0.00	52.42	74.00	21.58	PK	Vertical
2	5460.00	13.44	33.00	5.74	0.00	52.18	68.20	16.02	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11N40MIMO TX 5510MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

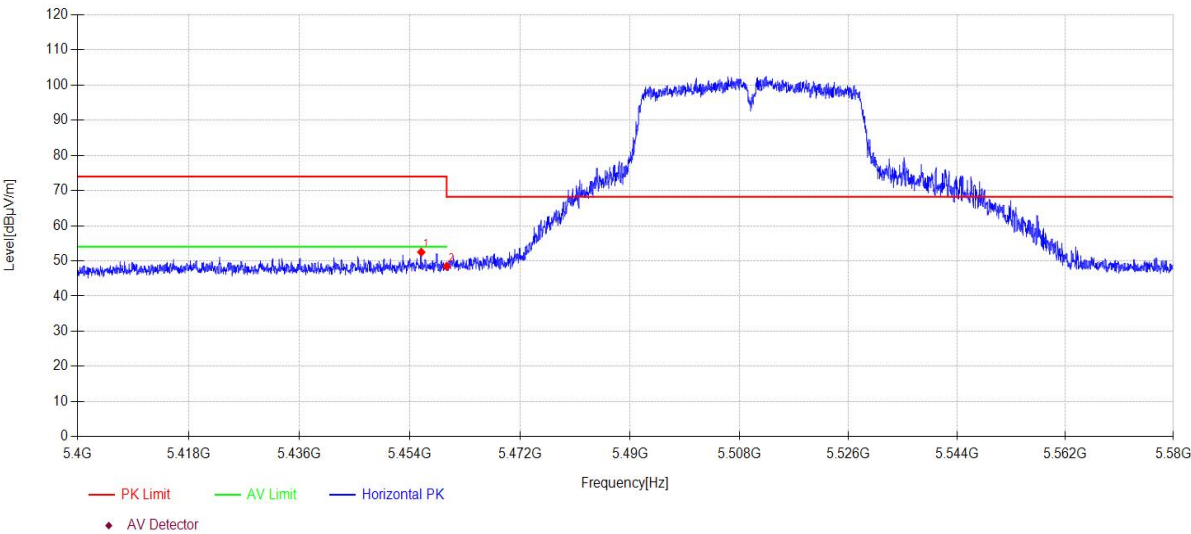
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\79

Memo:

Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5455.85	13.75	33.00	5.74	0.00	52.49	74.00	21.51	PK	Horizontal
2	5460.00	9.73	33.00	5.74	0.00	48.47	68.20	19.73	PK	Horizontal

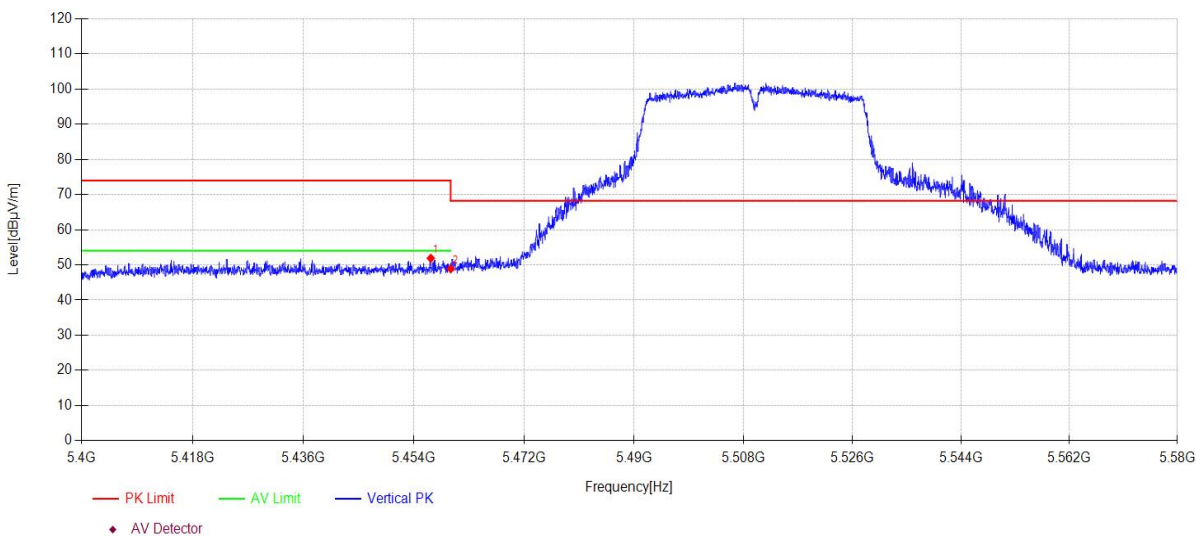
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11N40MIMO TX 5510MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\80
Memo: Sample Number:S23111605-03 Power Setting:NA

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5456.75	13.14	33.00	5.74	0.00	51.88	74.00	22.12	PK	Vertical
2	5460.00	10.16	33.00	5.74	0.00	48.90	68.20	19.30	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC40MIMO TX 5510MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

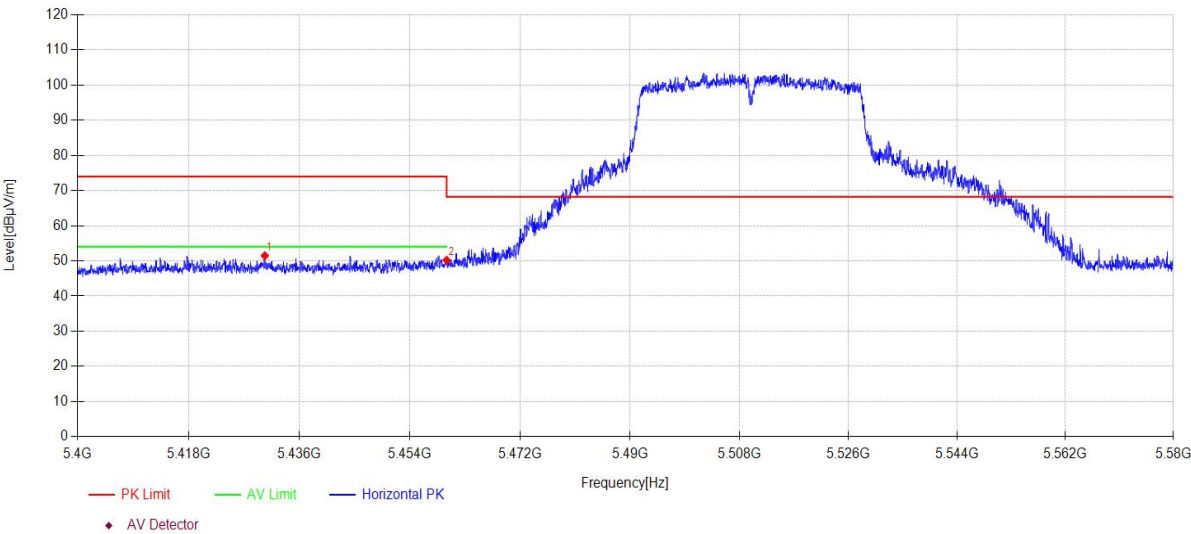
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d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\81

Memo:

Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5430.37	12.71	33.04	5.73	0.00	51.48	74.00	22.52	PK	Horizontal
2	5460.00	11.45	33.00	5.74	0.00	50.19	68.20	18.01	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC40MIMO TX 5510MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

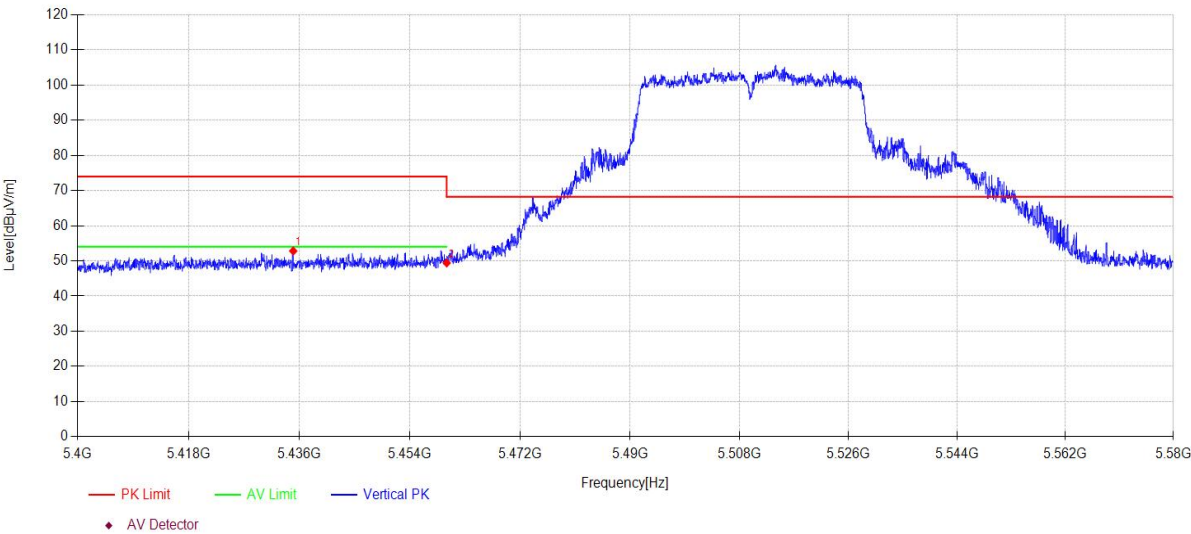
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\82

Memo:

Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5434.99	14.06	33.03	5.73	0.00	52.82	74.00	21.18	PK	Vertical
2	5460.00	10.69	33.00	5.74	0.00	49.43	68.20	18.77	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX40MIMO TX 5510MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

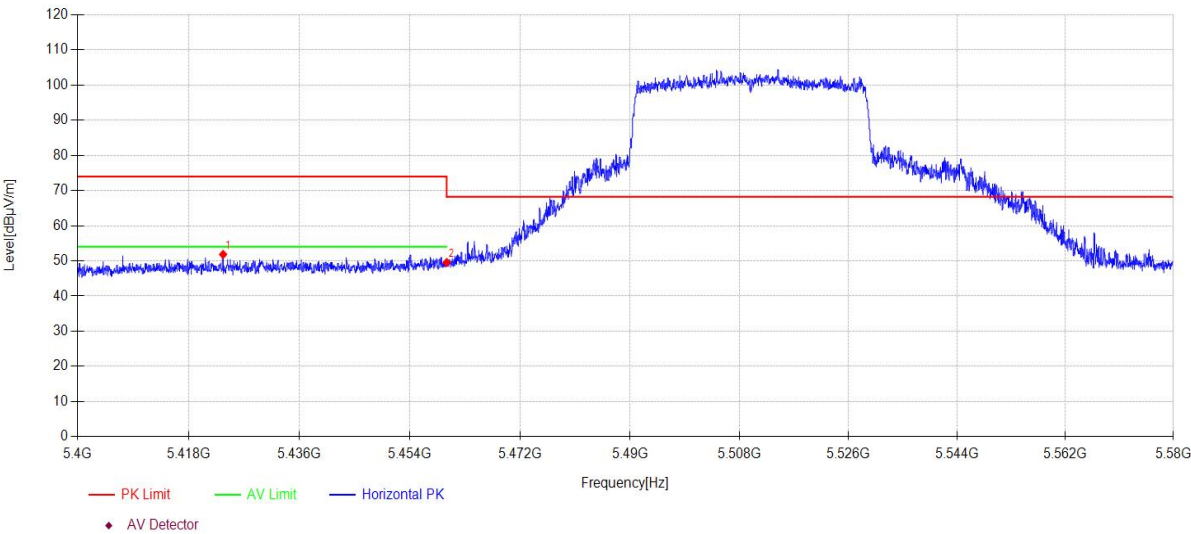
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\83

Memo:

Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5423.60	13.07	33.05	5.72	0.00	51.84	74.00	22.16	PK	Horizontal
2	5460.00	10.81	33.00	5.74	0.00	49.55	68.20	18.65	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX40MIMO TX 5510MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

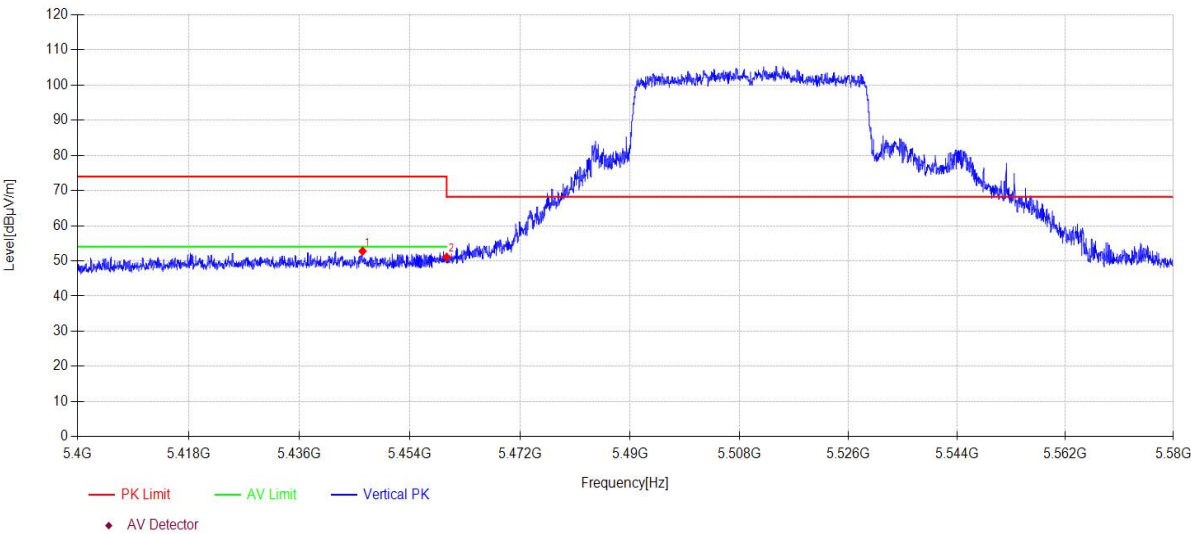
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\84

Memo:

Sample Number:S23111605-03 Power Setting:18

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	5446.28	14.04	33.01	5.73	0.00	52.78	74.00	21.22	PK	Vertical
2	5460.00	12.33	33.00	5.74	0.00	51.07	68.20	17.13	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC80MIMO TX 5530MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

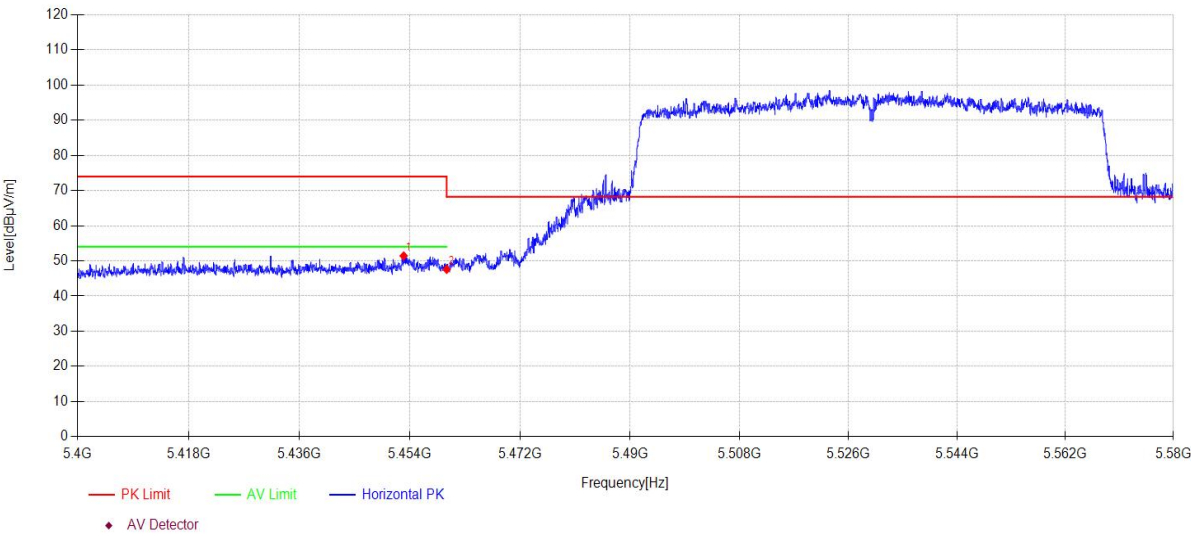
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d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\85

Memo:

Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5452.97	12.69	33.00	5.74	0.00	51.43	74.00	22.57	PK	Horizontal
2	5460.00	8.85	33.00	5.74	0.00	47.59	68.20	20.61	PK	Horizontal

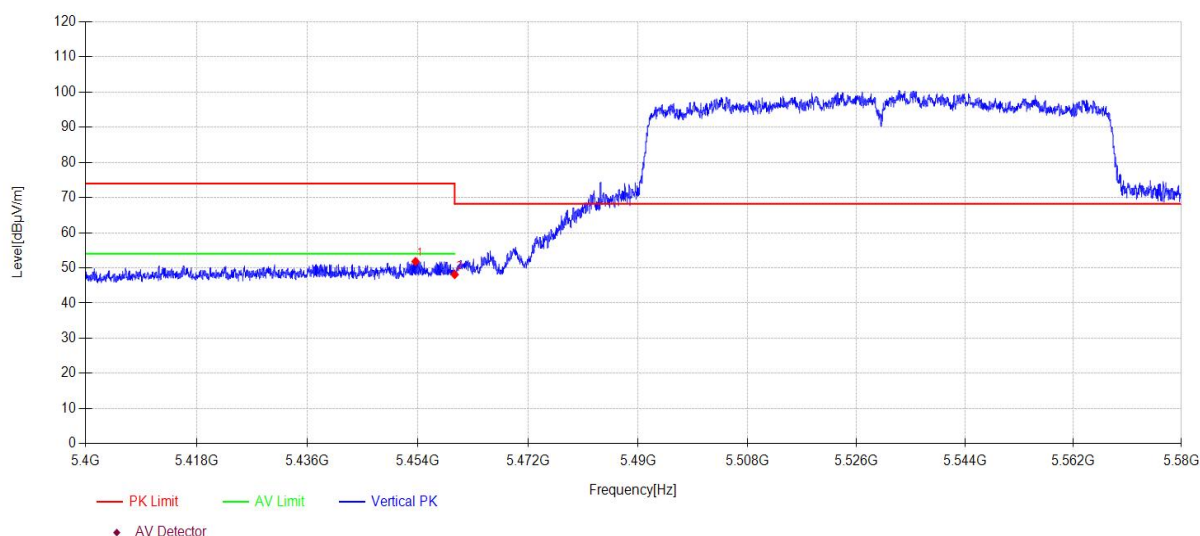
Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AC80MIMO TX 5530MHz **Power Supply:** AC 120V/60Hz
Condition: Temp:25.6°C;Humi:56.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\86
Memo: Sample Number:S23111605-03 Power Setting:14

Test Graph



Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5453.60	13.09	33.00	5.74	0.00	51.83	74.00	22.17	PK	Vertical
2	5460.00	9.36	33.00	5.74	0.00	48.10	68.20	20.10	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.