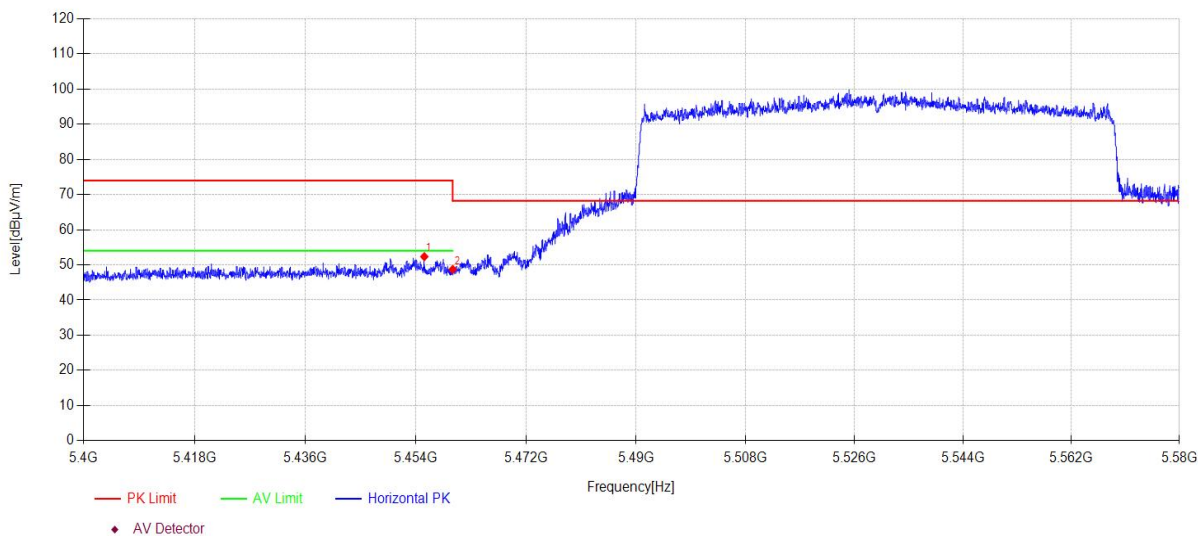


TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11AX80MIMO 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\87
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	5455.37	13.60	33.00	5.74	0.00	52.34	74.00	21.66	PK	Horizontal
2	5460.00	9.98	33.00	5.74	0.00	48.72	68.20	19.48	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:

11AX80MIMO TX 5530MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

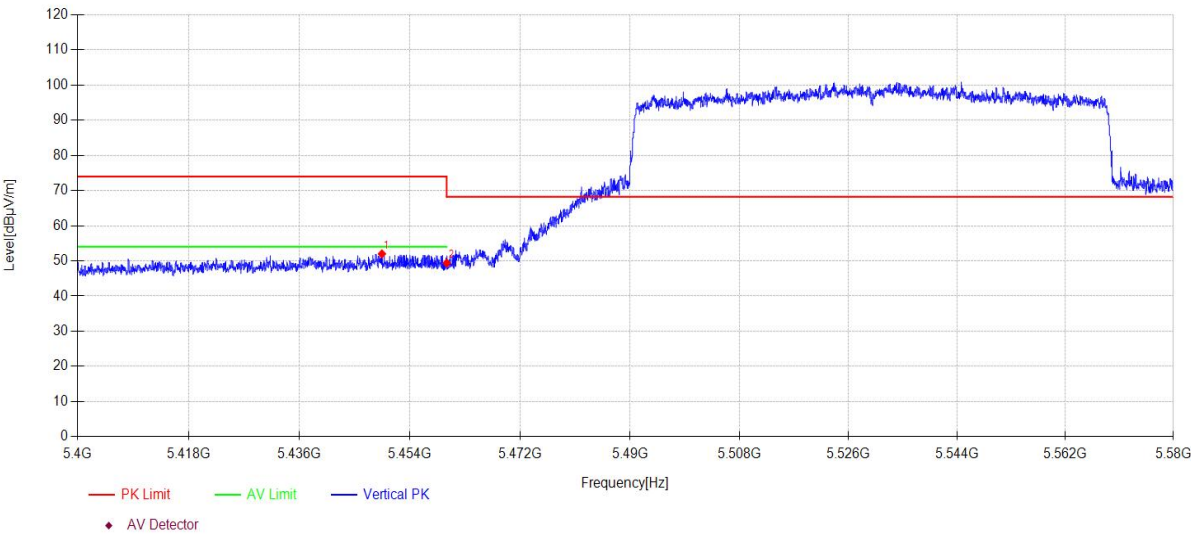
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\88

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	5449.43	13.27	33.00	5.73	0.00	52.00	74.00	22.00	PK	Vertical
2	5460.00	10.65	33.00	5.74	0.00	49.39	68.20	18.81	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:

11AC80MIMO TX 5610MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

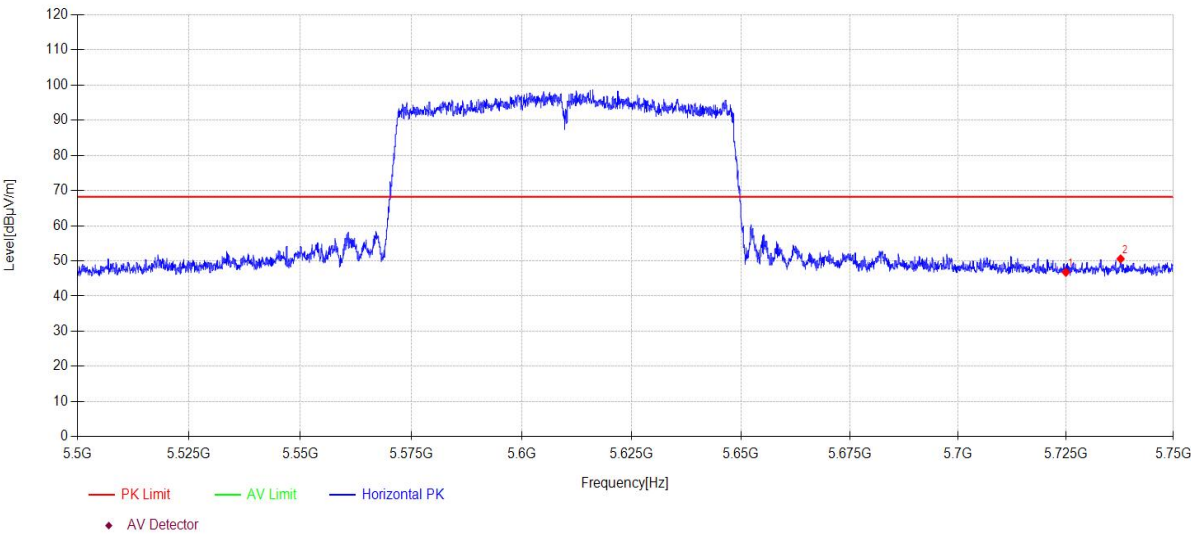
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\89

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	5725.00	7.13	33.75	5.87	0.00	46.75	68.20	21.45	PK	Horizontal
2	5737.73	10.88	33.83	5.88	0.00	50.59	68.20	17.61	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:

11AC80MIMO TX 5610MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

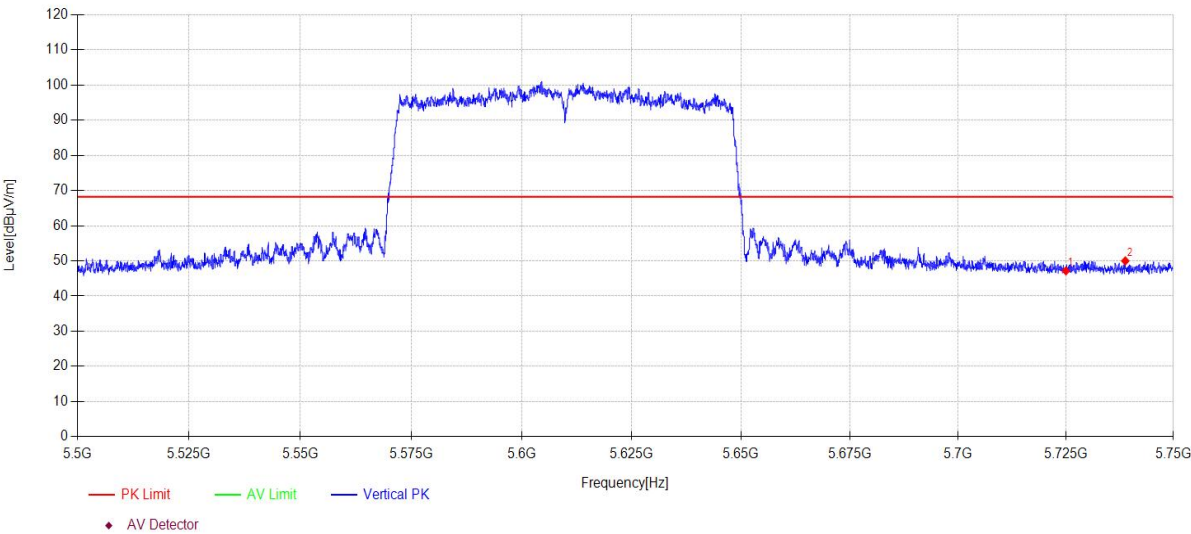
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\90

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	5725.00	7.55	33.75	5.87	0.00	47.17	68.20	21.03	PK	Vertical
2	5738.80	10.29	33.83	5.88	0.00	50.00	68.20	18.20	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:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX80MIMO TX 5610MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

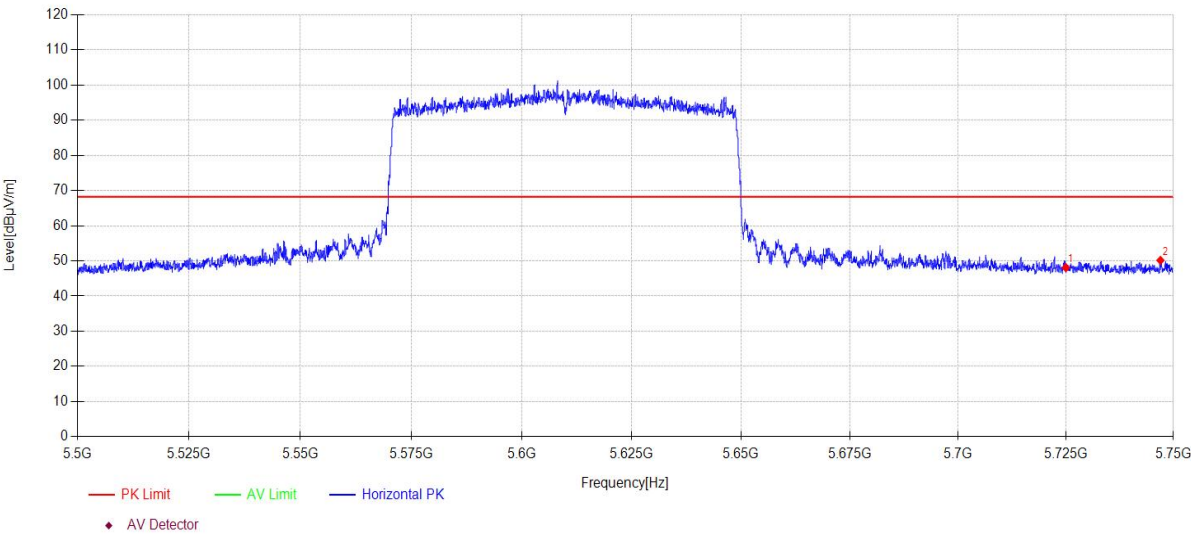
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\91

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	5725.00	8.46	33.75	5.87	0.00	48.08	68.20	20.12	PK	Horizontal
2	5747.00	10.40	33.88	5.88	0.00	50.16	68.20	18.04	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:

11AX80MIMO TX 5610MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

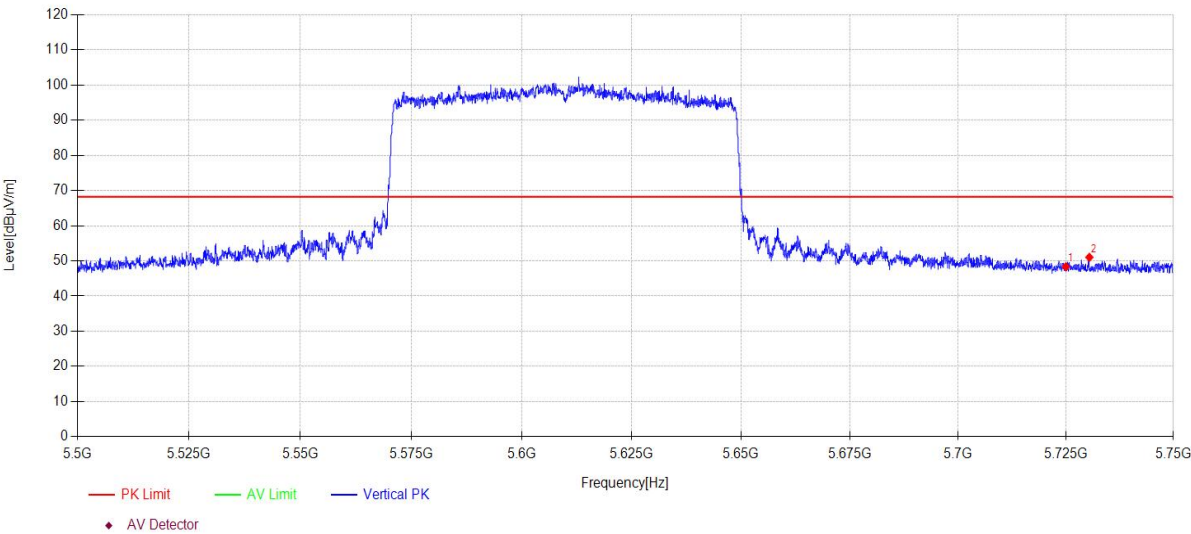
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\92

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	5725.00	8.73	33.75	5.87	0.00	48.35	68.20	19.85	PK	Vertical
2	5730.45	11.36	33.78	5.88	0.00	51.02	68.20	17.18	PK	Vertical

Note:

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

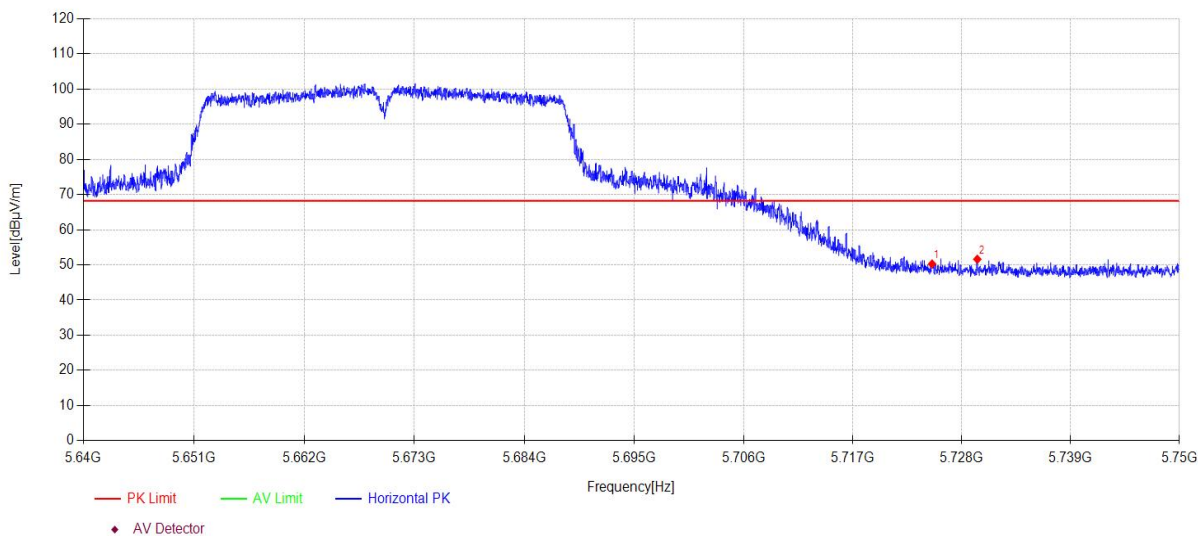
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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: 11N40MIMO TX 5670MHz **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\93
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	5725.00	10.65	33.75	5.87	0.00	50.27	68.20	17.93	PK	Horizontal
2	5729.56	11.96	33.78	5.87	0.00	51.61	68.20	16.59	PK	Horizontal

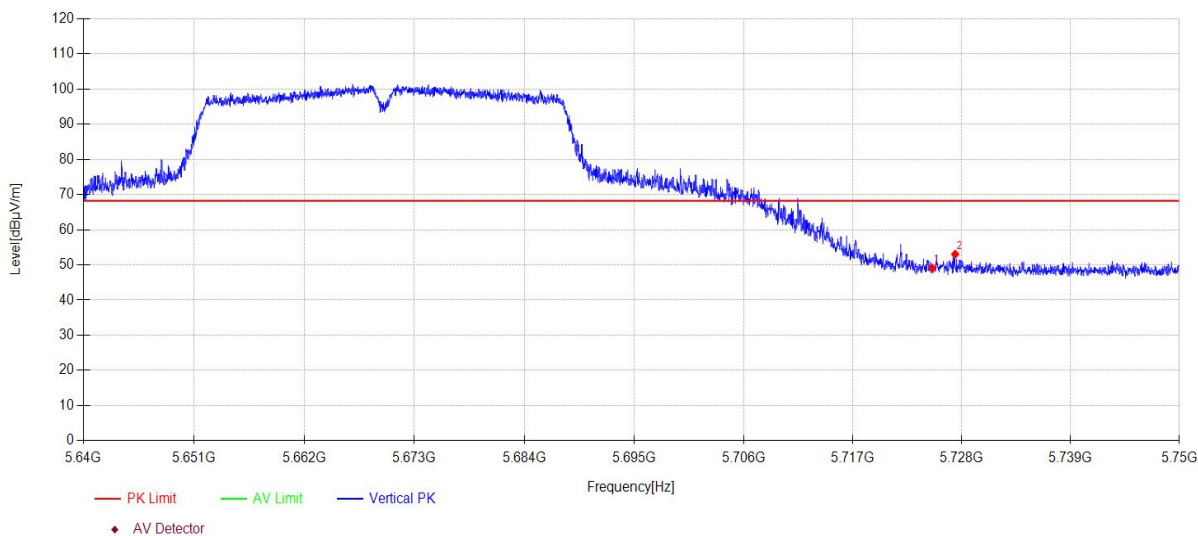
Note:

- 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: 2024-01-25 **Tested By:** Bairong
EUT: Mercku M6s Nano Mesh Wi-Fi Router **Model Number:** MBAA0
Test Mode: 11N40MIMO TX 5670MHz **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\94
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	5725.00	9.52	33.75	5.87	0.00	49.14	68.20	19.06	PK	Vertical
2	5727.33	13.40	33.76	5.87	0.00	53.03	68.20	15.17	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 5670MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

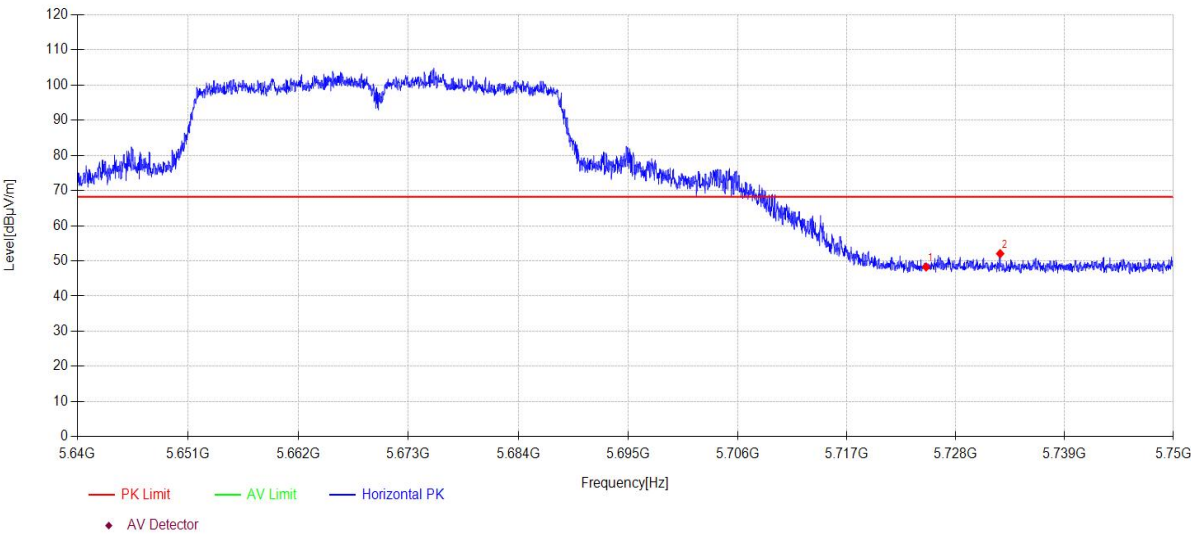
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\95

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	5725.00	8.64	33.75	5.87	0.00	48.26	68.20	19.94	PK	Horizontal
2	5732.48	12.38	33.79	5.88	0.00	52.05	68.20	16.15	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:

11AC40MIMO TX 5670MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

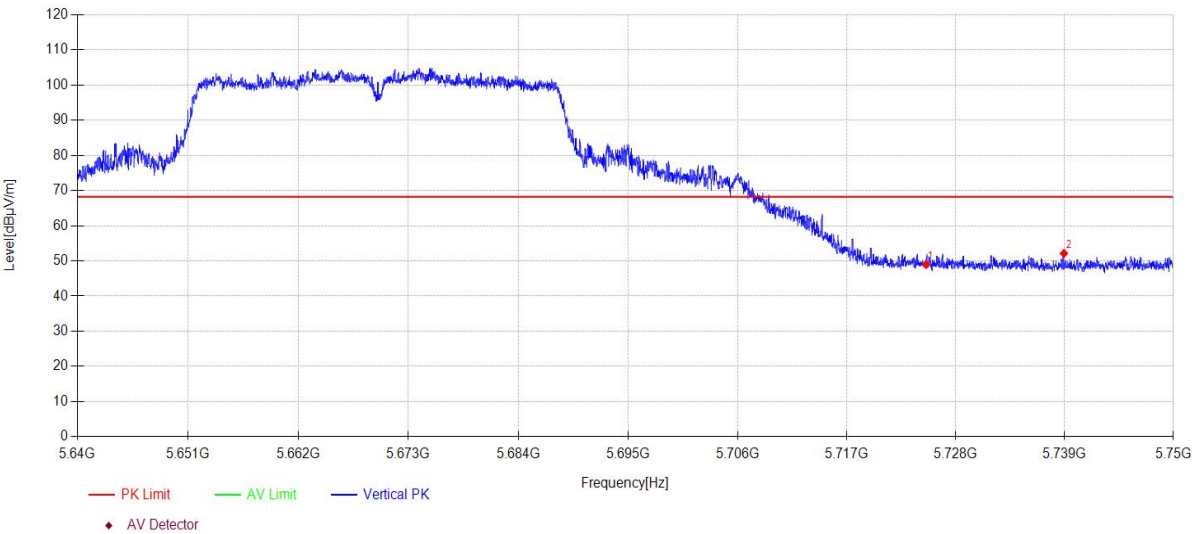
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\96

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	5725.00	9.34	33.75	5.87	0.00	48.96	68.20	19.24	PK	Vertical
2	5738.92	12.42	33.83	5.88	0.00	52.13	68.20	16.07	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 5670MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

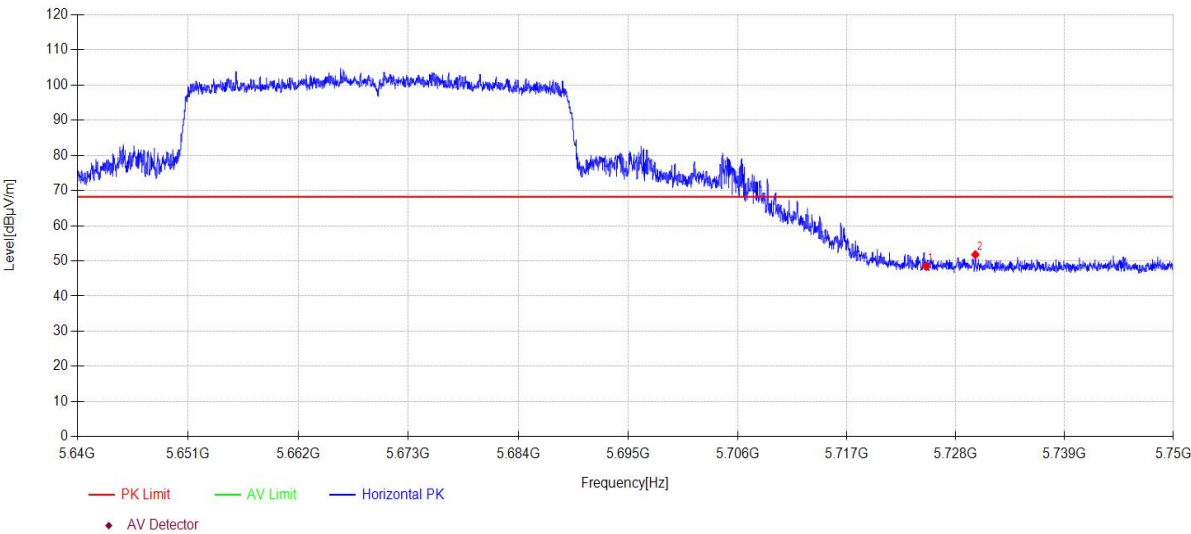
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\97

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	5725.00	8.81	33.75	5.87	0.00	48.43	68.20	19.77	PK	Horizontal
2	5729.97	12.12	33.78	5.87	0.00	51.77	68.20	16.43	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 5670MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

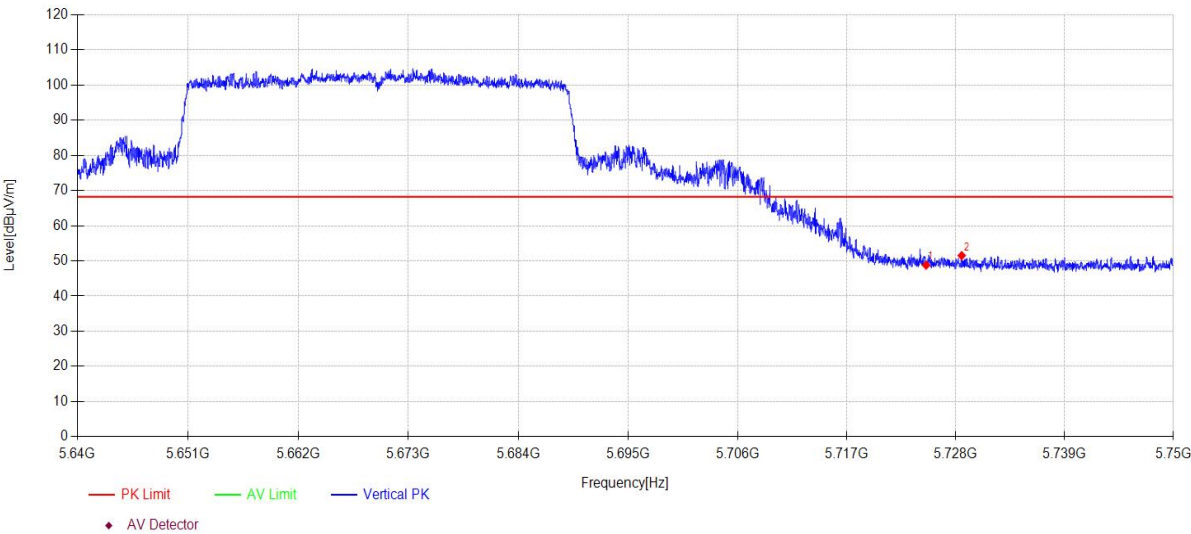
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\98

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	5725.00	9.16	33.75	5.87	0.00	48.78	68.20	19.42	PK	Vertical
2	5728.59	11.88	33.77	5.87	0.00	51.52	68.20	16.68	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:

11A ANT1 TX 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

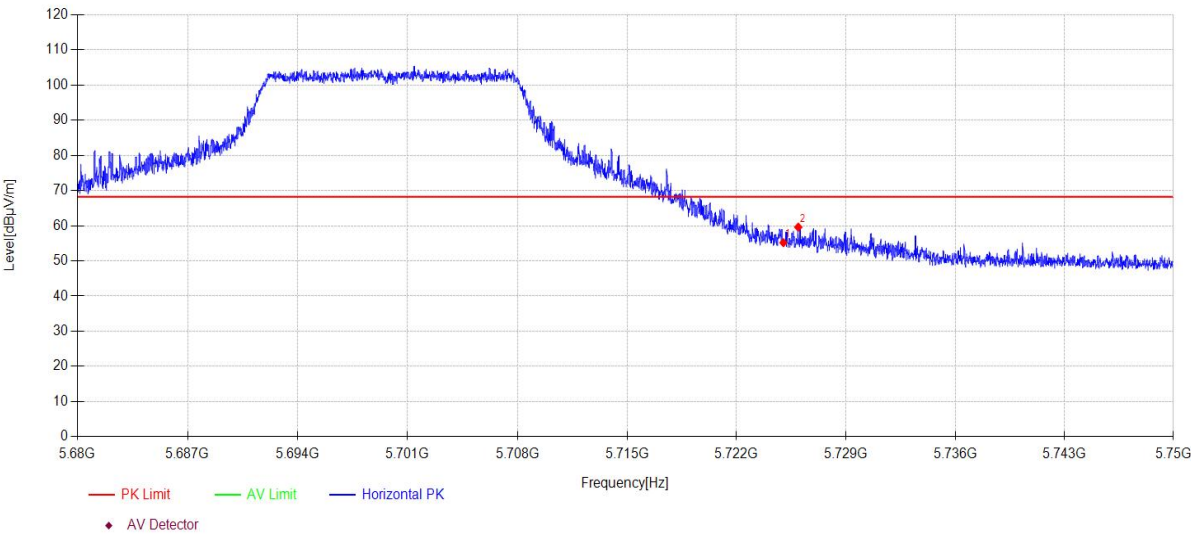
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\99

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	5725.00	15.56	33.75	5.87	0.00	55.18	68.20	13.02	PK	Horizontal
2	5725.95	19.97	33.76	5.87	0.00	59.60	68.20	8.60	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 ANT1 TX 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

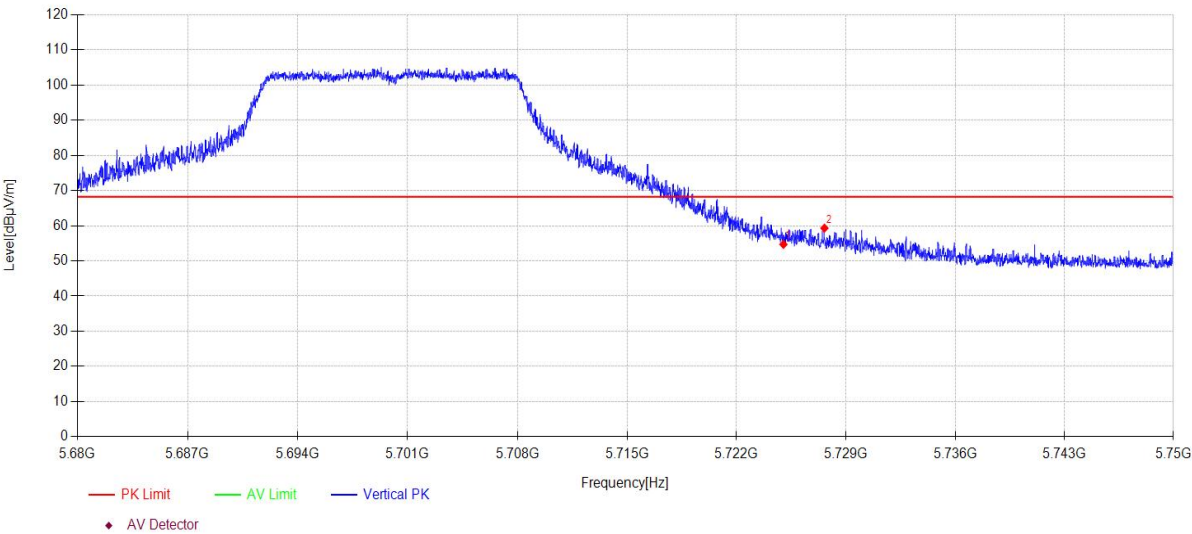
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\100

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	5725.00	15.08	33.75	5.87	0.00	54.70	68.20	13.50	PK	Vertical
2	5727.62	19.67	33.77	5.87	0.00	59.31	68.20	8.89	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:

11A ANT2 TX 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

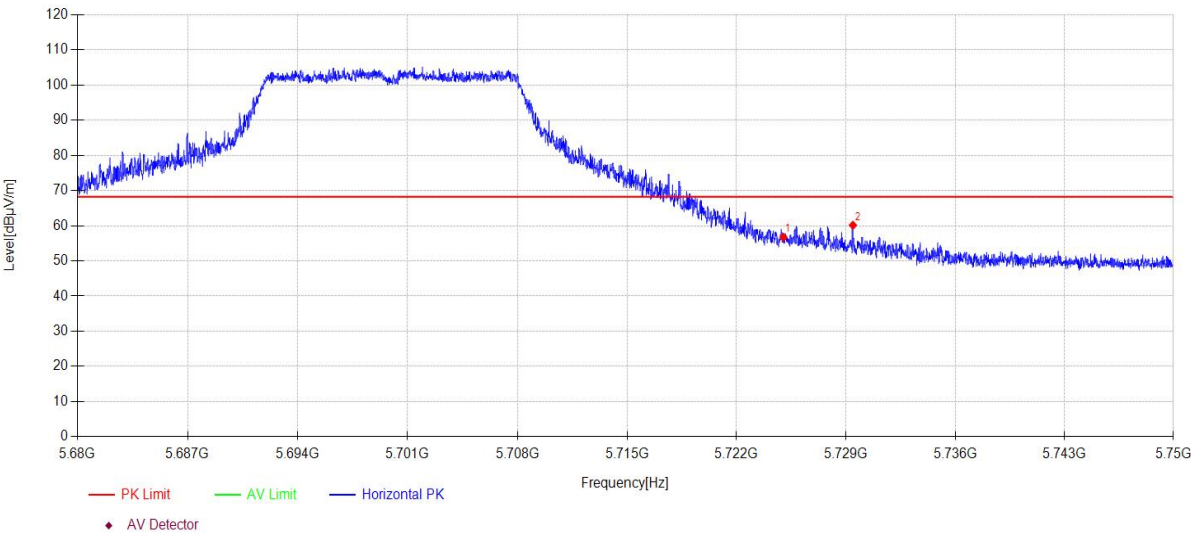
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\101

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	5725.00	17.11	33.75	5.87	0.00	56.73	68.20	11.47	PK	Horizontal
2	5729.45	20.49	33.78	5.87	0.00	60.14	68.20	8.06	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 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

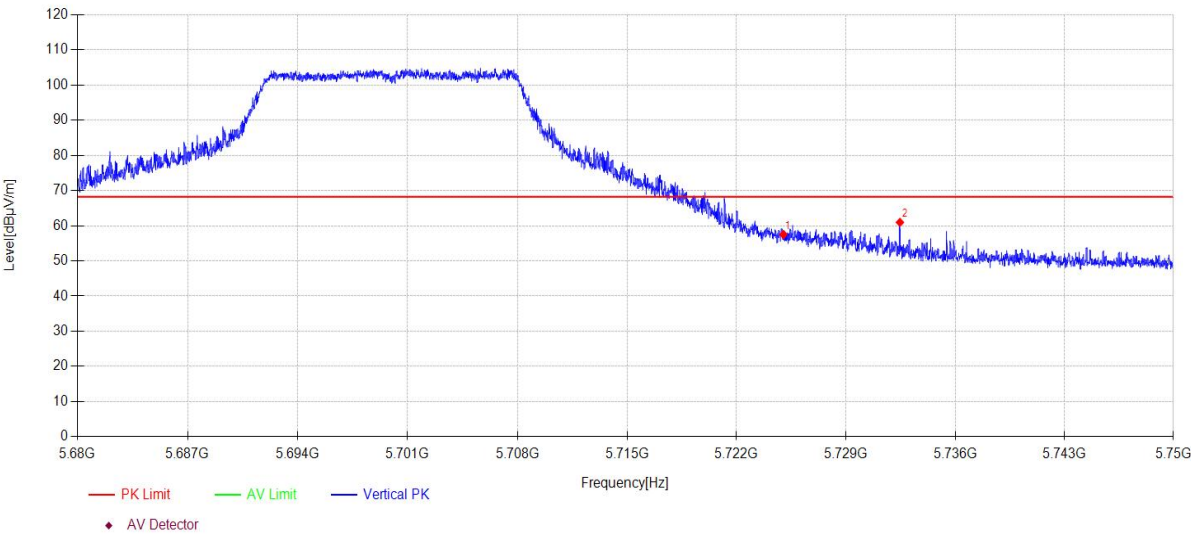
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\102

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	5725.00	17.88	33.75	5.87	0.00	57.50	68.20	10.70	PK	Vertical
2	5732.46	21.29	33.79	5.88	0.00	60.96	68.20	7.24	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 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

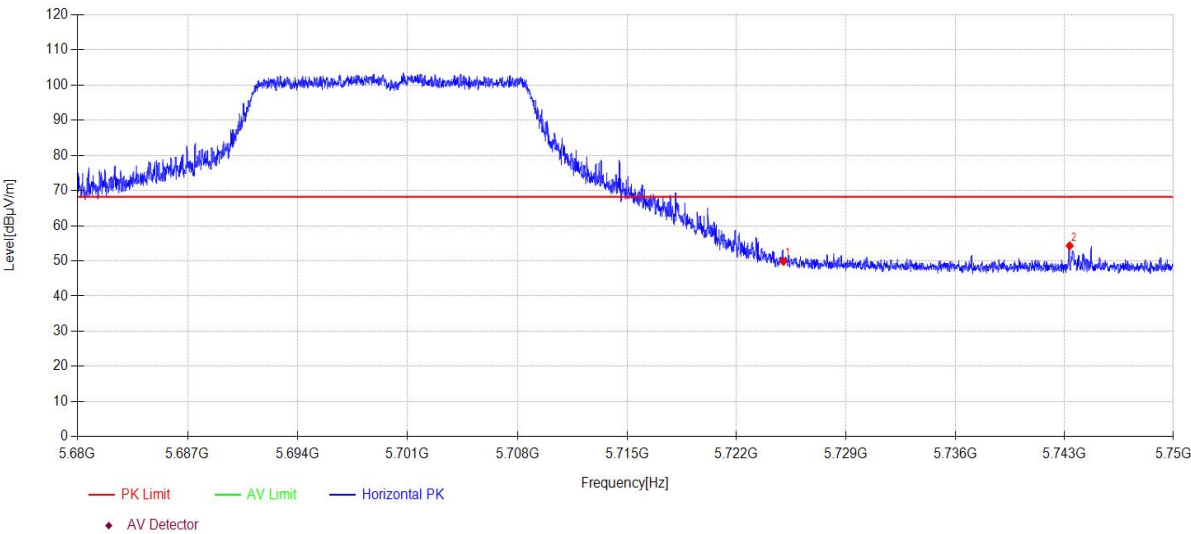
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\103

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	5725.00	10.27	33.75	5.87	0.00	49.89	68.20	18.31	PK	Horizontal
2	5743.34	14.57	33.86	5.88	0.00	54.31	68.20	13.89	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:

11N20MIMO TX 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

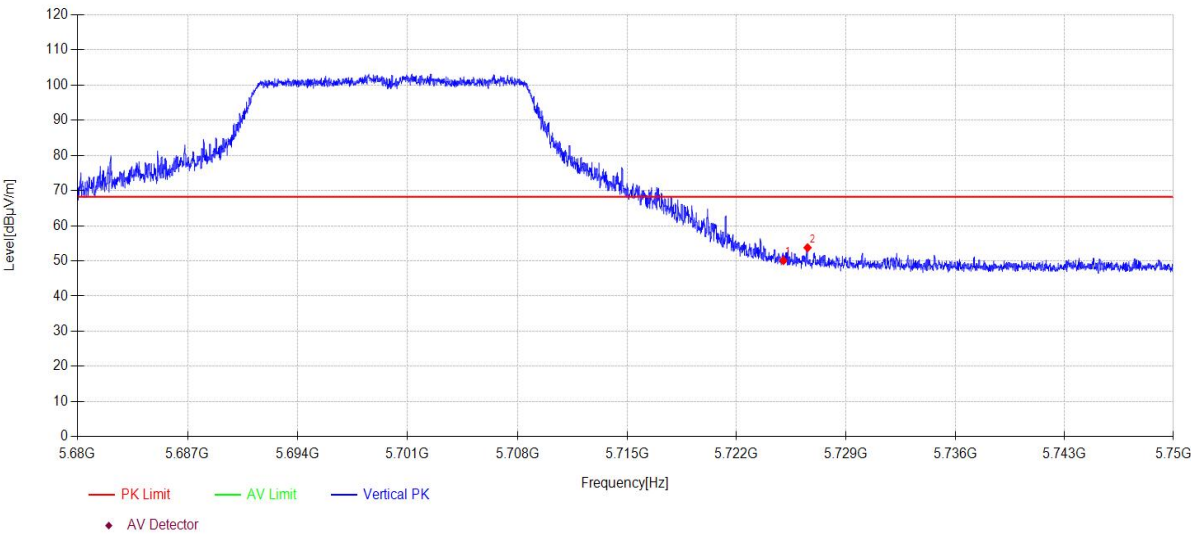
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\104

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	5725.00	10.48	33.75	5.87	0.00	50.10	68.20	18.10	PK	Vertical
2	5726.54	14.12	33.76	5.87	0.00	53.75	68.20	14.45	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:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC20MIMO TX 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

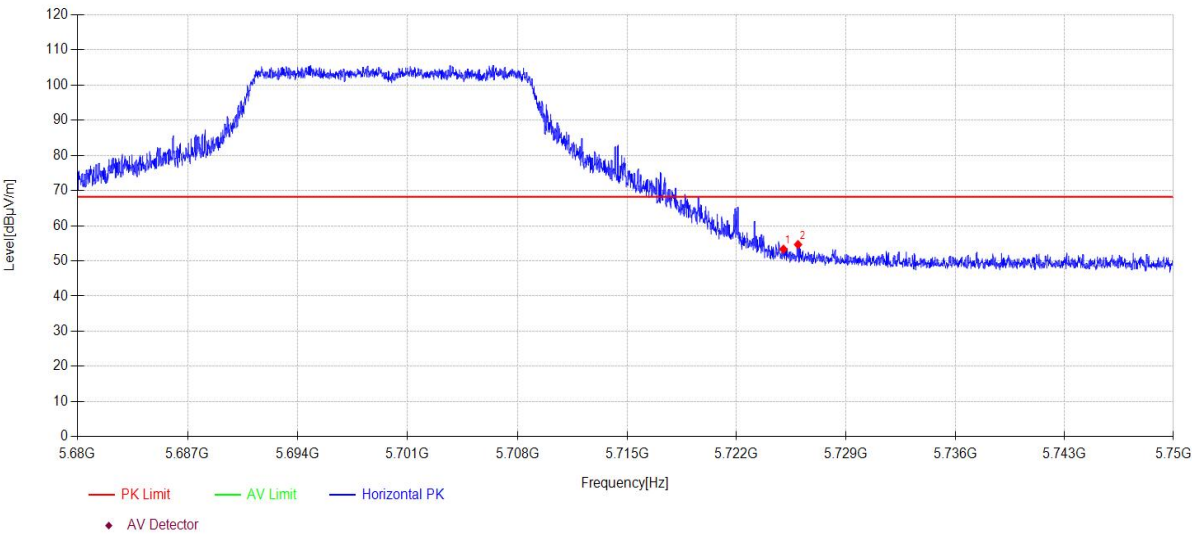
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\105

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	5725.00	13.70	33.75	5.87	0.00	53.32	68.20	14.88	PK	Horizontal
2	5725.93	15.02	33.76	5.87	0.00	54.65	68.20	13.55	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:

11AC20MIMO TX 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

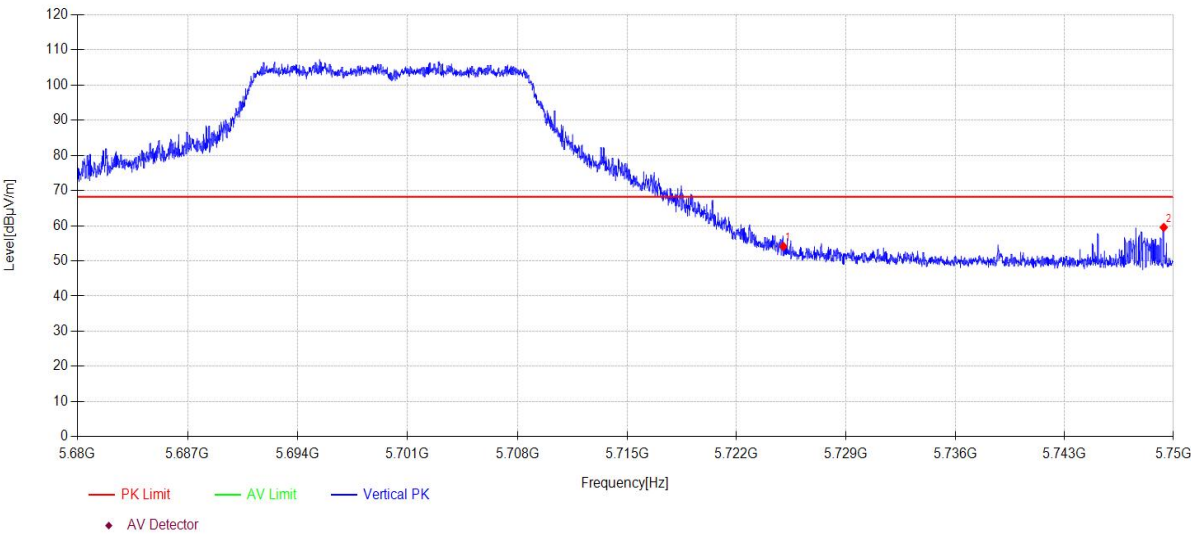
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\106

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	5725.00	14.50	33.75	5.87	0.00	54.12	68.20	14.08	PK	Vertical
2	5749.38	19.74	33.90	5.88	0.00	59.52	68.20	8.68	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:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX20MIMO TX 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

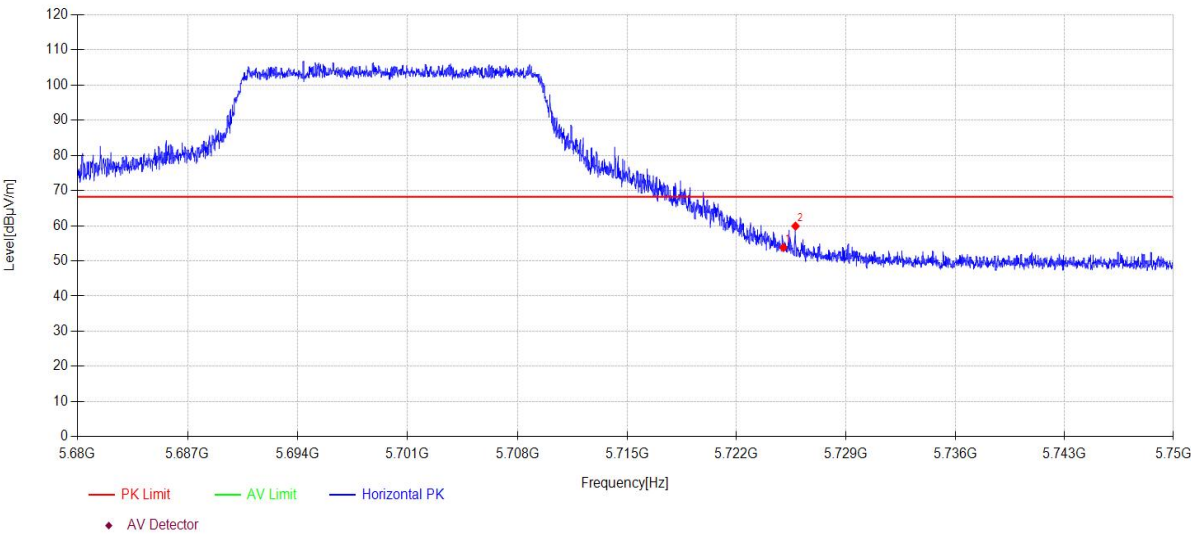
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\107

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	5725.00	14.18	33.75	5.87	0.00	53.80	68.20	14.40	PK	Horizontal
2	5725.77	20.26	33.75	5.87	0.00	59.88	68.20	8.32	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 5700MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

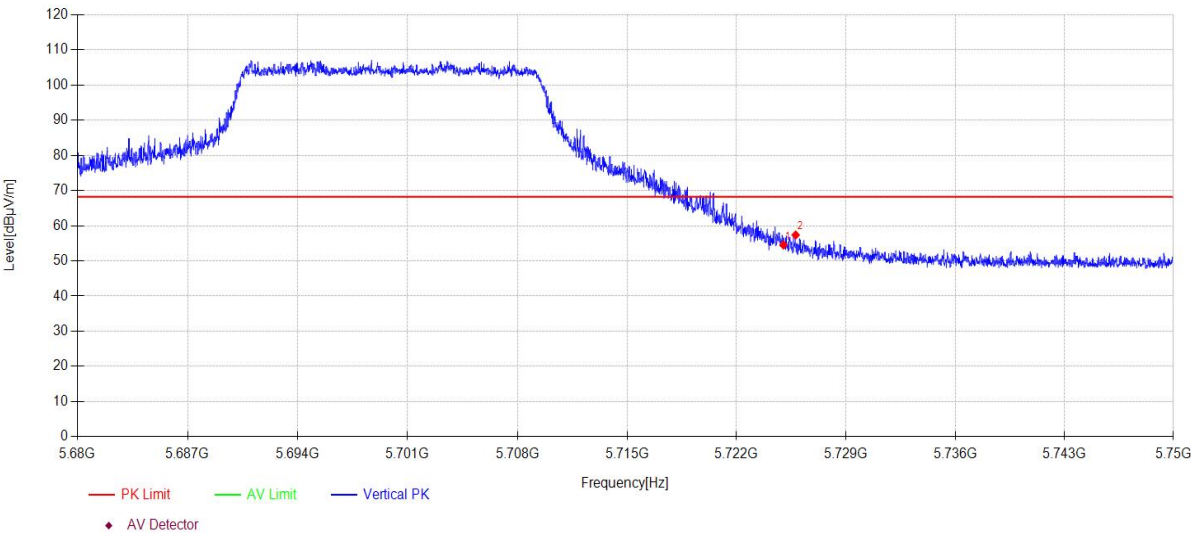
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\108

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	5725.00	14.91	33.75	5.87	0.00	54.53	68.20	13.67	PK	Vertical
2	5725.78	17.74	33.75	5.87	0.00	57.36	68.20	10.84	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:

2024-01-26

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC160MIMO TX 5250MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

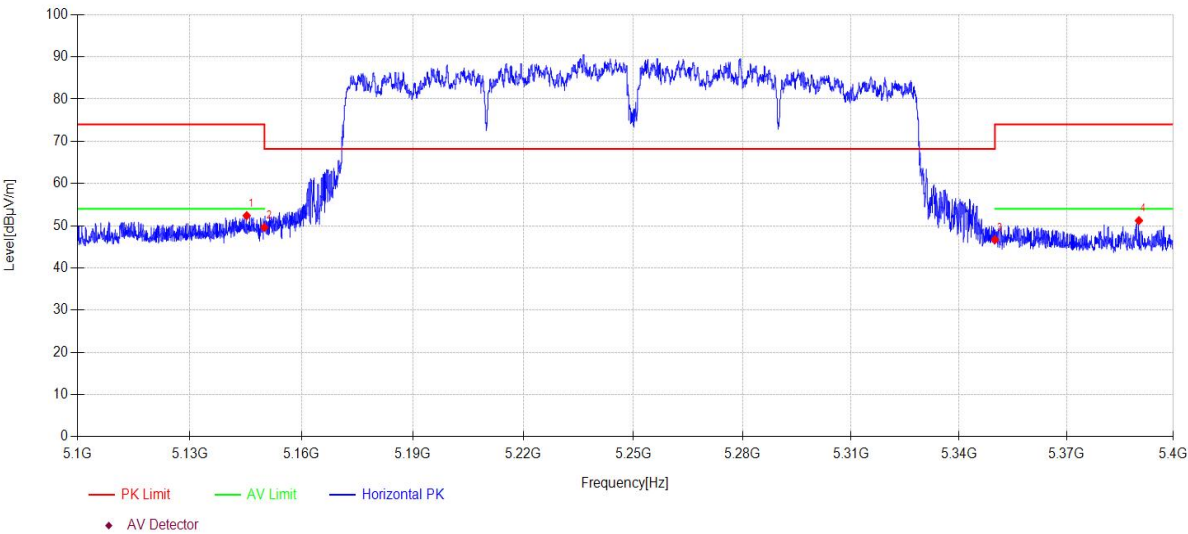
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\132

Memo:

Sample Number:S23111605-03 Power Setting:10

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	5145.24	13.41	33.40	5.58	0.00	52.39	74.00	21.61	PK	Horizontal
2	5150.00	10.61	33.40	5.59	0.00	49.60	68.20	18.60	PK	Horizontal
3	5350.00	7.90	33.10	5.69	0.00	46.69	74.00	27.31	PK	Horizontal
4	5390.31	12.40	33.10	5.71	0.00	51.21	74.00	22.79	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:

2024-01-26

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC160MIMO TX 5250MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

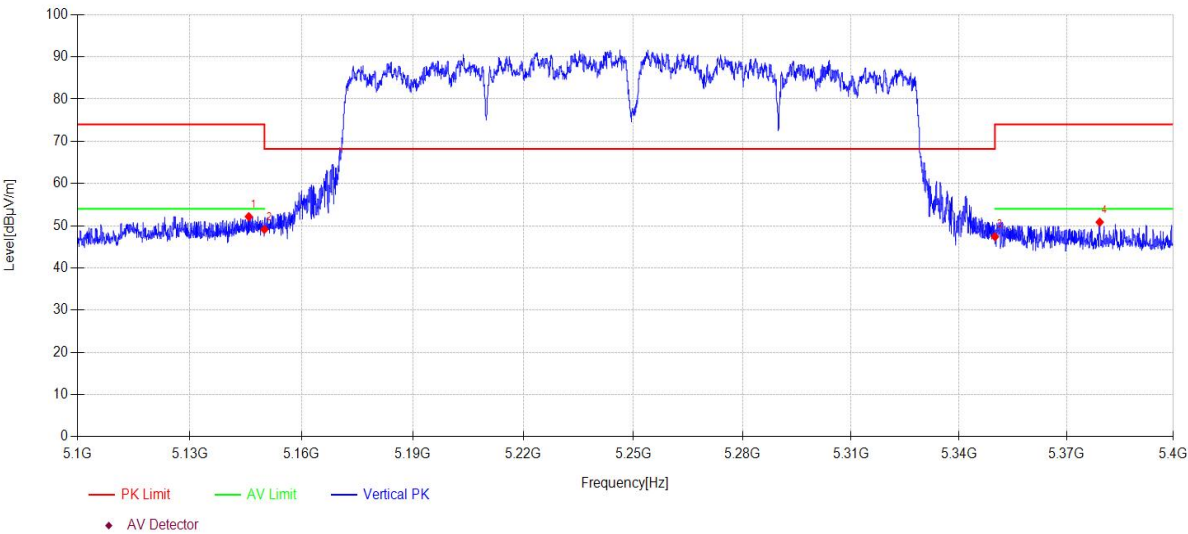
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\133

Memo:

Sample Number:S23111605-03 Power Setting:10

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	5145.81	13.17	33.40	5.58	0.00	52.15	74.00	21.85	PK	Vertical
2	5150.00	10.12	33.40	5.59	0.00	49.11	68.20	19.09	PK	Vertical
3	5350.00	8.60	33.10	5.69	0.00	47.39	74.00	26.61	PK	Vertical
4	5379.30	12.05	33.10	5.70	0.00	50.85	74.00	23.15	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:

2024-01-26

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX160MIMO TX 5250MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

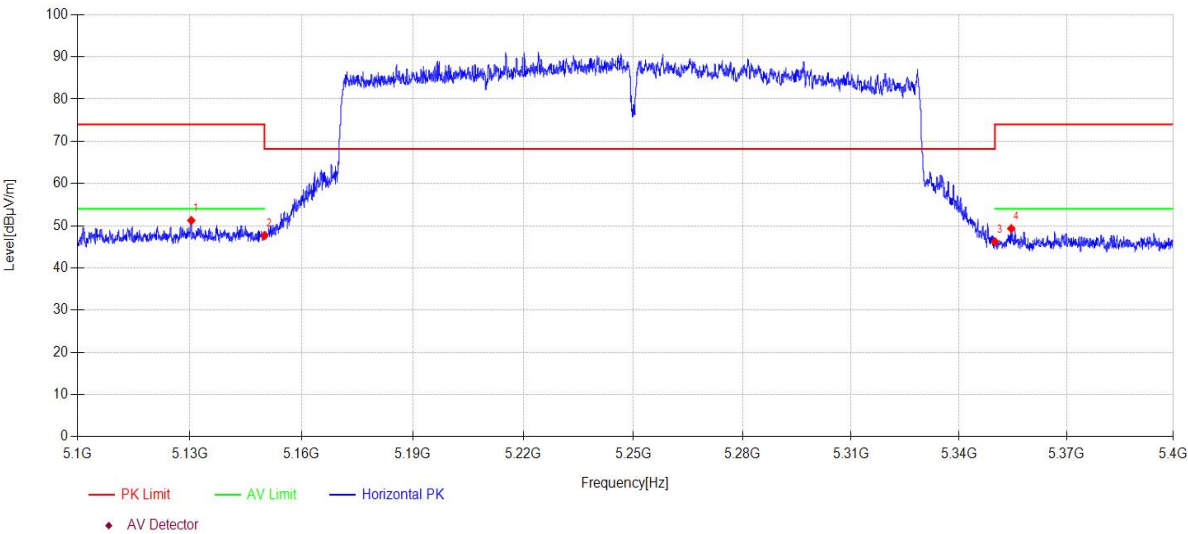
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\134

Memo:

Sample Number:S23111605-03 Power Setting:10

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	5130.39	12.26	33.40	5.58	0.00	51.24	74.00	22.76	PK	Horizontal
2	5150.00	8.68	33.40	5.59	0.00	47.67	68.20	20.53	PK	Horizontal
3	5350.00	7.44	33.10	5.69	0.00	46.23	74.00	27.77	PK	Horizontal
4	5354.55	10.53	33.10	5.69	0.00	49.32	74.00	24.68	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:

2024-01-26

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX160MIMO TX 5250MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

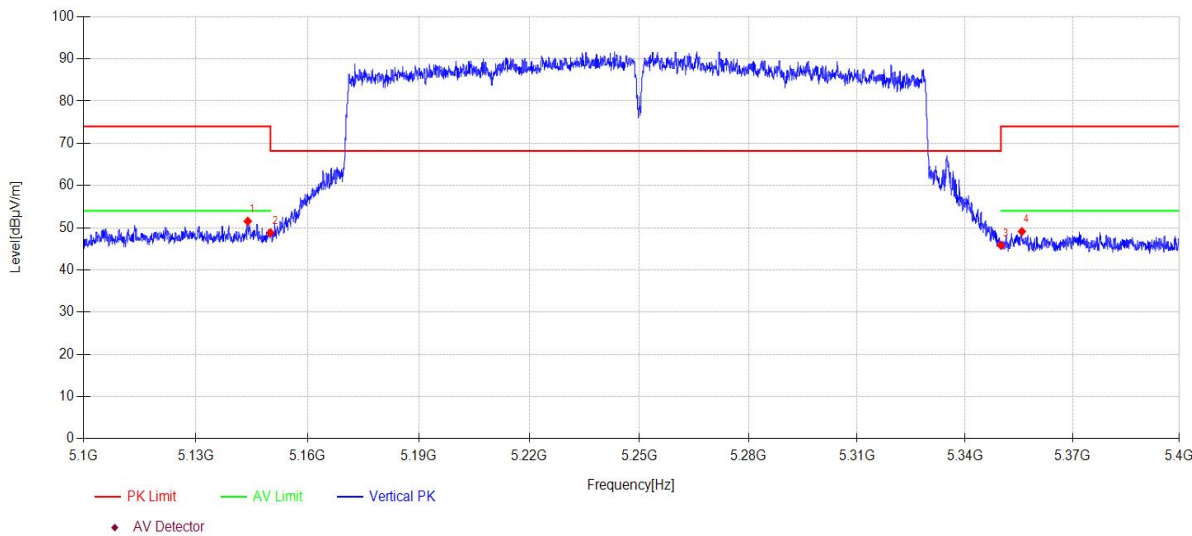
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\135

Memo:

Sample Number:S23111605-03 Power Setting:10

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	5143.92	12.55	33.40	5.58	0.00	51.53	74.00	22.47	PK	Vertical
2	5150.00	9.81	33.40	5.59	0.00	48.80	74.00	25.20	PK	Vertical
3	5350.00	7.04	33.10	5.69	0.00	45.83	74.00	28.17	PK	Vertical
4	5355.84	10.32	33.10	5.69	0.00	49.11	74.00	24.89	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:

2024-01-26

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC160MIMO TX 5570MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

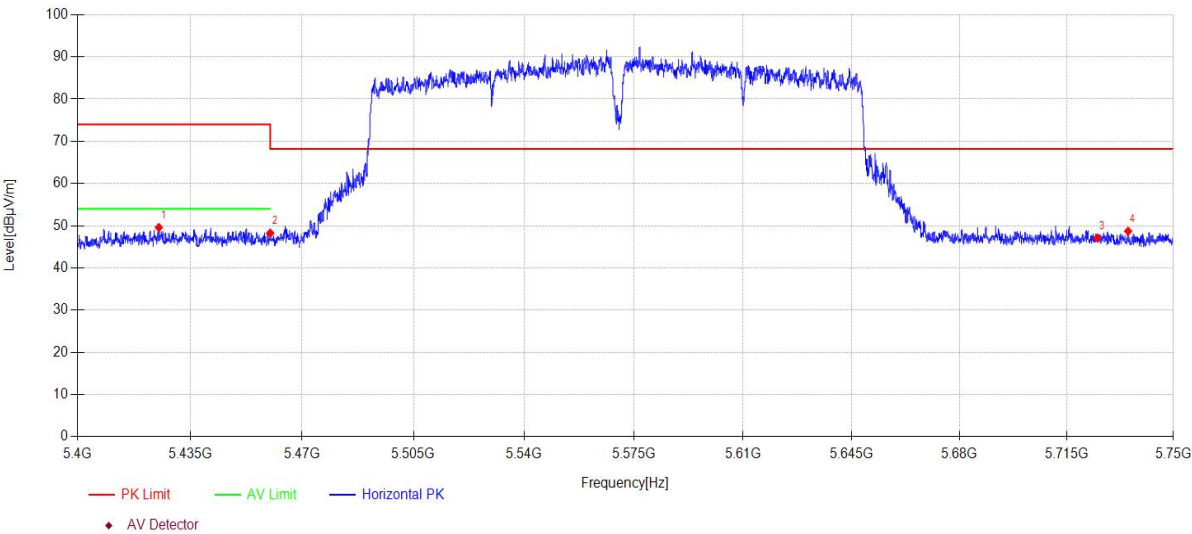
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\136

Memo:

Sample Number:S23111605-03 Power Setting:10

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	5425.27	10.83	33.05	5.72	0.00	49.60	74.00	24.40	PK	Horizontal
2	5460.00	9.51	33.00	5.74	0.00	48.25	68.20	19.95	PK	Horizontal
3	5725.00	7.50	33.75	5.87	0.00	47.12	68.20	21.08	PK	Horizontal
4	5735.13	9.02	33.81	5.88	0.00	48.71	68.20	19.49	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:

2024-01-26

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC160MIMO TX 5570MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

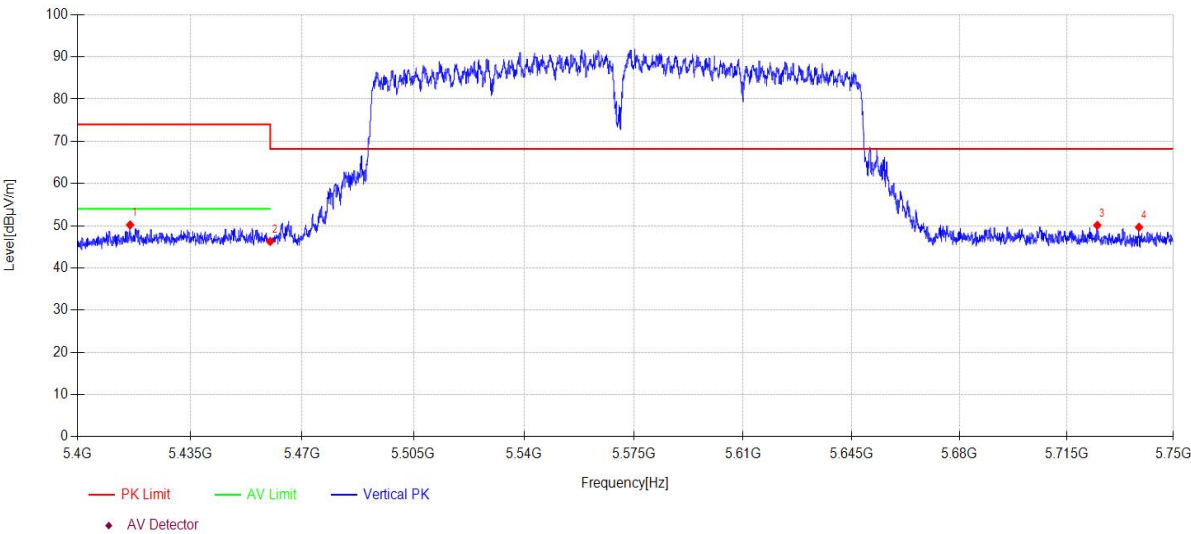
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\137

Memo:

Sample Number:S23111605-03 Power Setting:10

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	5416.35	11.40	33.07	5.72	0.00	50.19	74.00	23.81	PK	Vertical
2	5460.00	7.53	33.00	5.74	0.00	46.27	68.20	21.93	PK	Vertical
3	5725.00	10.48	33.75	5.87	0.00	50.10	68.20	18.10	PK	Vertical
4	5738.70	9.94	33.83	5.88	0.00	49.65	68.20	18.55	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:

2024-01-26

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX160MIMO TX 5570MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

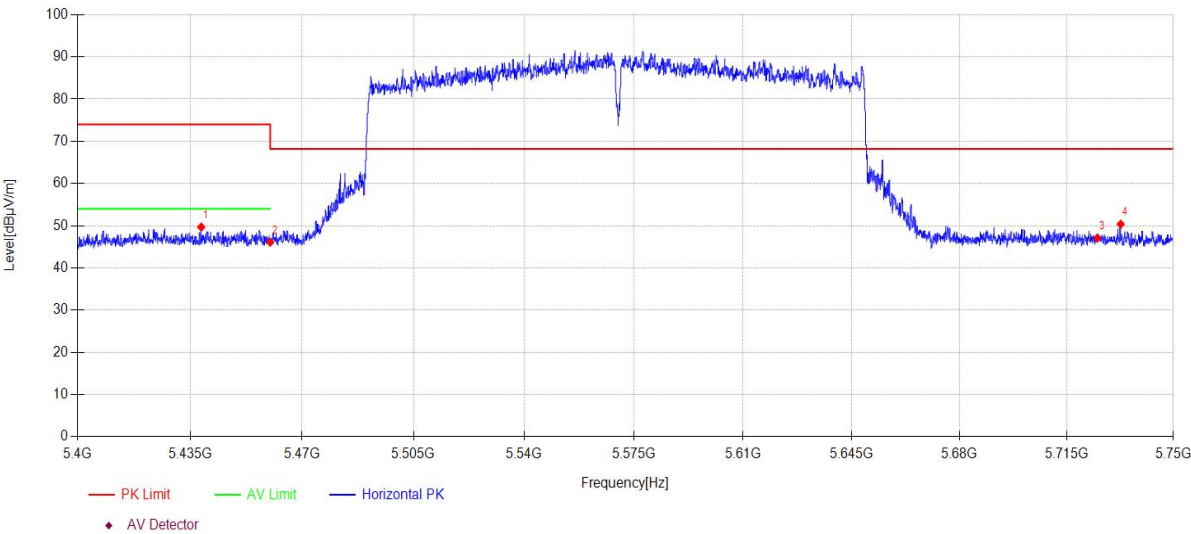
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\138

Memo:

Sample Number:S23111605-03 Power Setting:10

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	5438.47	10.93	33.02	5.73	0.00	49.68	74.00	24.32	PK	Horizontal
2	5460.00	7.35	33.00	5.74	0.00	46.09	68.20	22.11	PK	Horizontal
3	5725.00	7.44	33.75	5.87	0.00	47.06	68.20	21.14	PK	Horizontal
4	5732.68	10.69	33.80	5.88	0.00	50.37	68.20	17.83	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:

2024-01-26

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AX160MIMO TX 5570MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

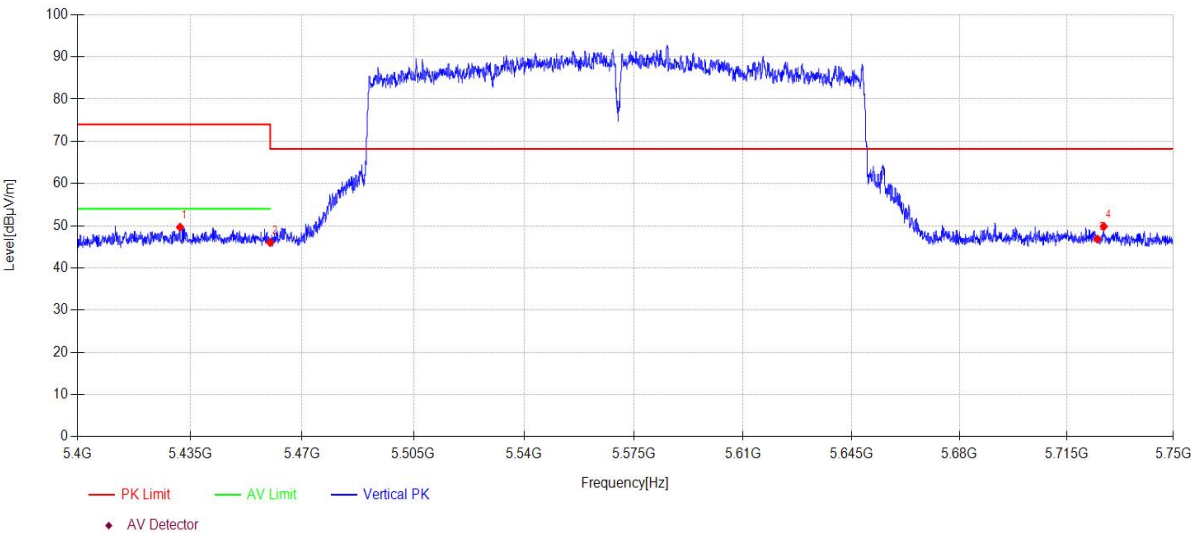
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\139

Memo:

Sample Number:S23111605-03 Power Setting:10

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	5431.89	10.89	33.04	5.73	0.00	49.66	74.00	24.34	PK	Vertical
2	5460.00	7.26	33.00	5.74	0.00	46.00	68.20	22.20	PK	Vertical
3	5725.00	7.22	33.75	5.87	0.00	46.84	68.20	21.36	PK	Vertical
4	5727.15	10.21	33.76	5.87	0.00	49.84	68.20	18.36	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:

11A ANT1 TX 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

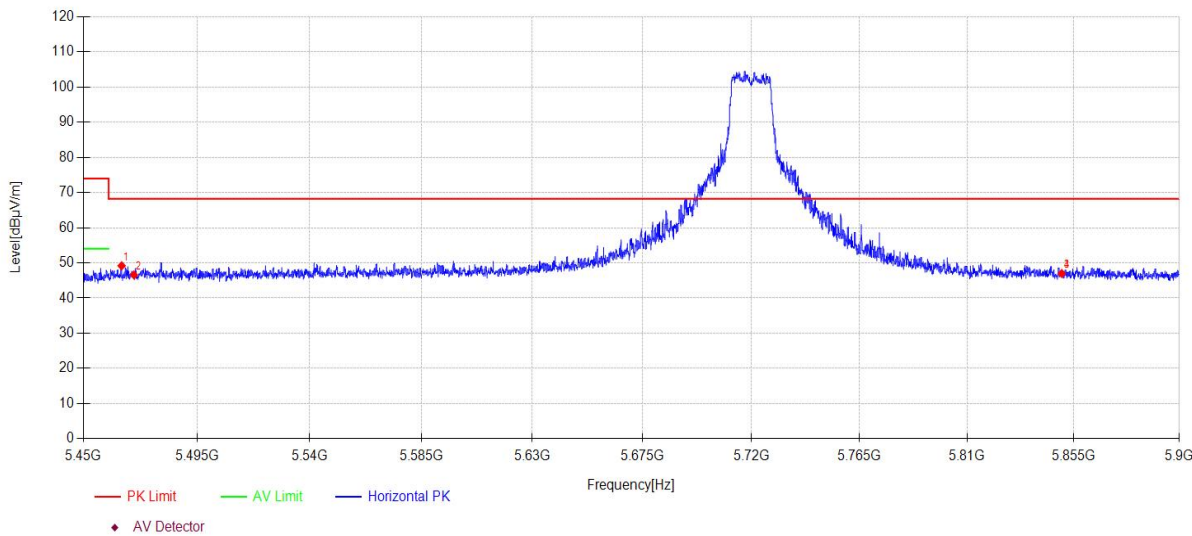
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\109

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	5465.12	10.44	33.00	5.74	0.00	49.18	68.20	19.02	PK	Horizontal
2	5470.00	7.82	33.00	5.75	0.00	46.57	68.20	21.63	PK	Horizontal
3	5850.00	7.04	34.00	5.94	0.00	46.98	68.20	21.22	PK	Horizontal
4	5850.00	7.04	34.00	5.94	0.00	46.98	68.20	21.22	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 ANT1 TX 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

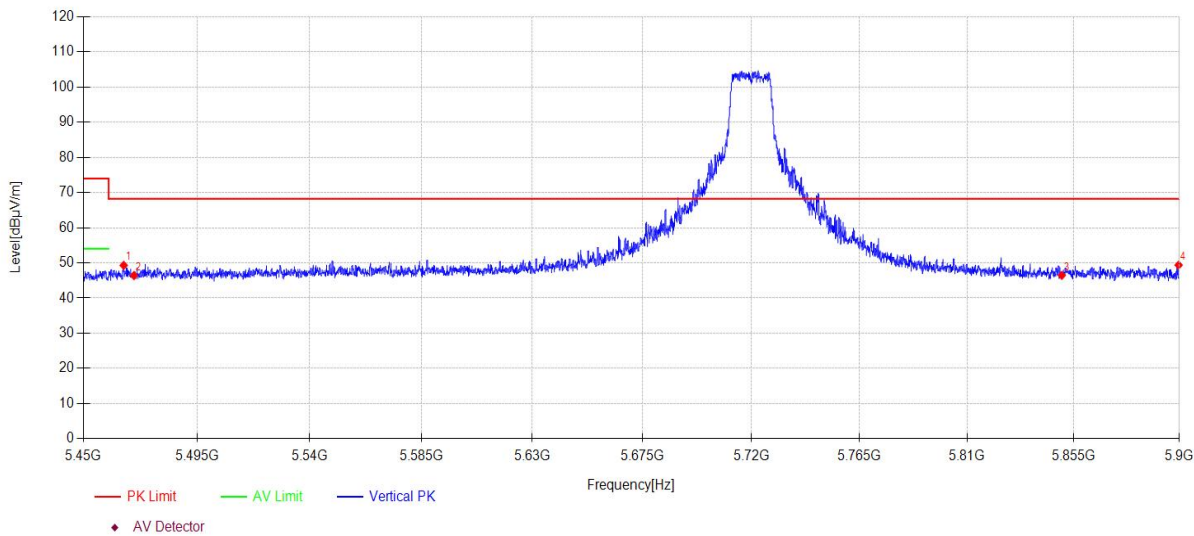
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\110

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	5465.93	10.56	33.00	5.74	0.00	49.30	68.20	18.90	PK	Vertical
2	5470.00	7.65	33.00	5.75	0.00	46.40	68.20	21.80	PK	Vertical
3	5850.00	6.51	34.00	5.94	0.00	46.45	68.20	21.75	PK	Vertical
4	5899.69	9.32	34.10	5.96	0.00	49.38	68.20	18.82	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:

11A ANT2 TX 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

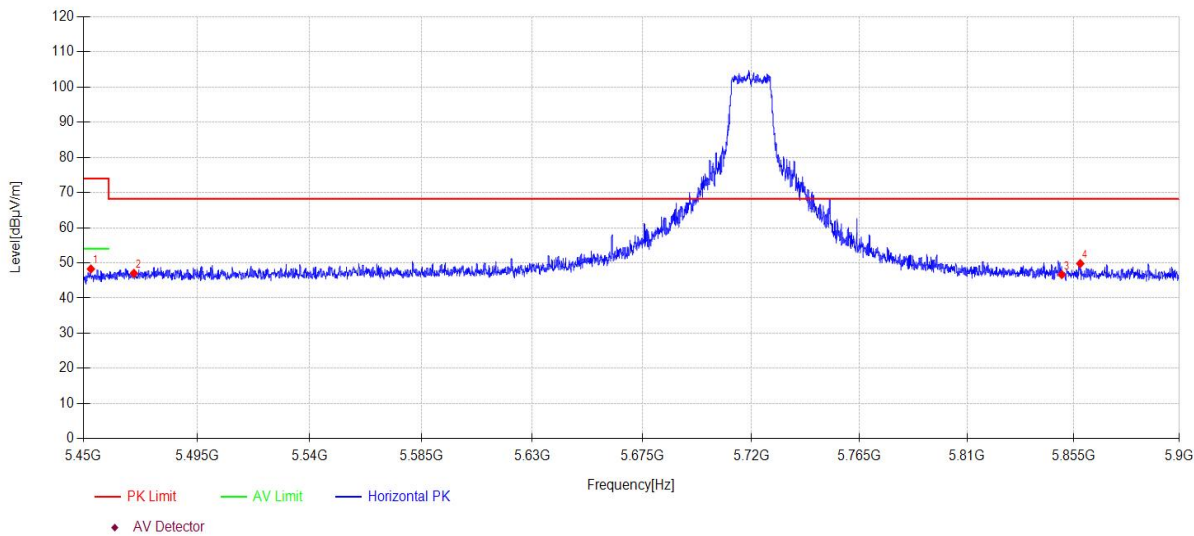
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\111

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	5452.97	9.53	33.00	5.74	0.00	48.27	74.00	25.73	PK	Horizontal
2	5470.00	8.29	33.00	5.75	0.00	47.04	68.20	21.16	PK	Horizontal
3	5850.00	6.75	34.00	5.94	0.00	46.69	68.20	21.51	PK	Horizontal
4	5857.84	9.85	34.02	5.94	0.00	49.81	68.20	18.39	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 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

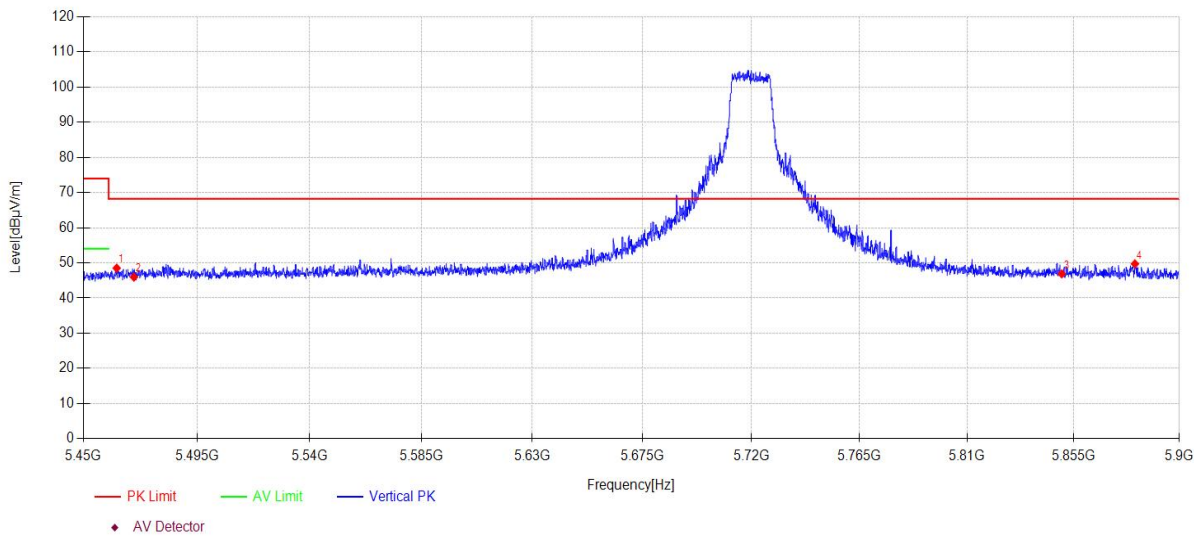
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\112

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	5463.19	9.77	33.00	5.74	0.00	48.51	68.20	19.69	PK	Vertical
2	5470.00	7.21	33.00	5.75	0.00	45.96	68.20	22.24	PK	Vertical
3	5850.00	6.94	34.00	5.94	0.00	46.88	68.20	21.32	PK	Vertical
4	5881.06	9.72	34.06	5.95	0.00	49.73	68.20	18.47	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:

11N20MIMO TX 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

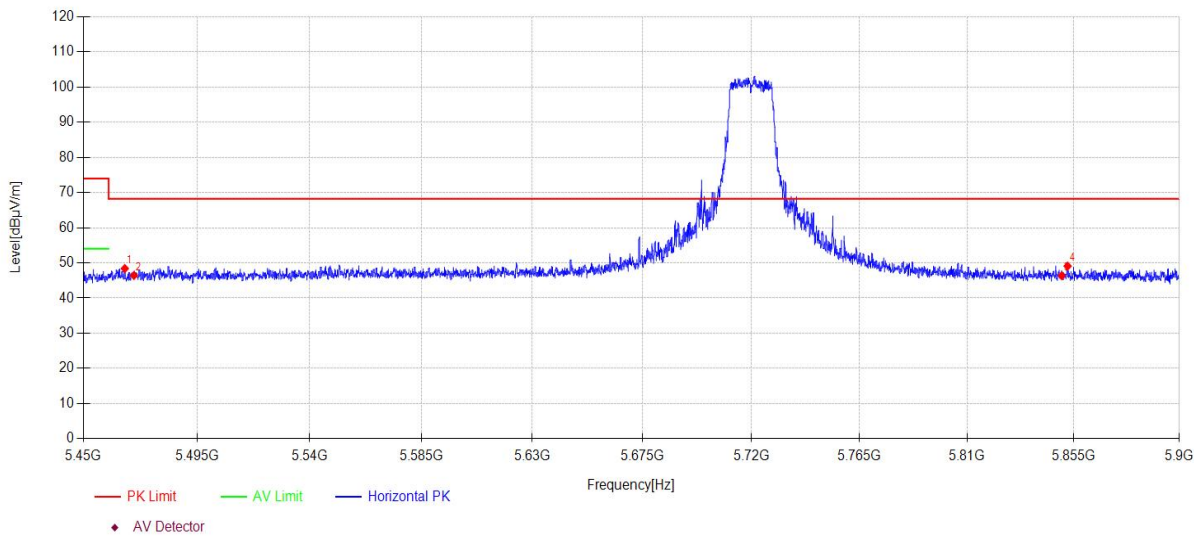
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\113

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	5466.38	9.66	33.00	5.74	0.00	48.40	68.20	19.80	PK	Horizontal
2	5470.00	7.67	33.00	5.75	0.00	46.42	68.20	21.78	PK	Horizontal
3	5850.00	6.41	34.00	5.94	0.00	46.35	68.20	21.85	PK	Horizontal
4	5852.48	9.15	34.00	5.94	0.00	49.09	68.20	19.11	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:

11N20MIMO TX 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

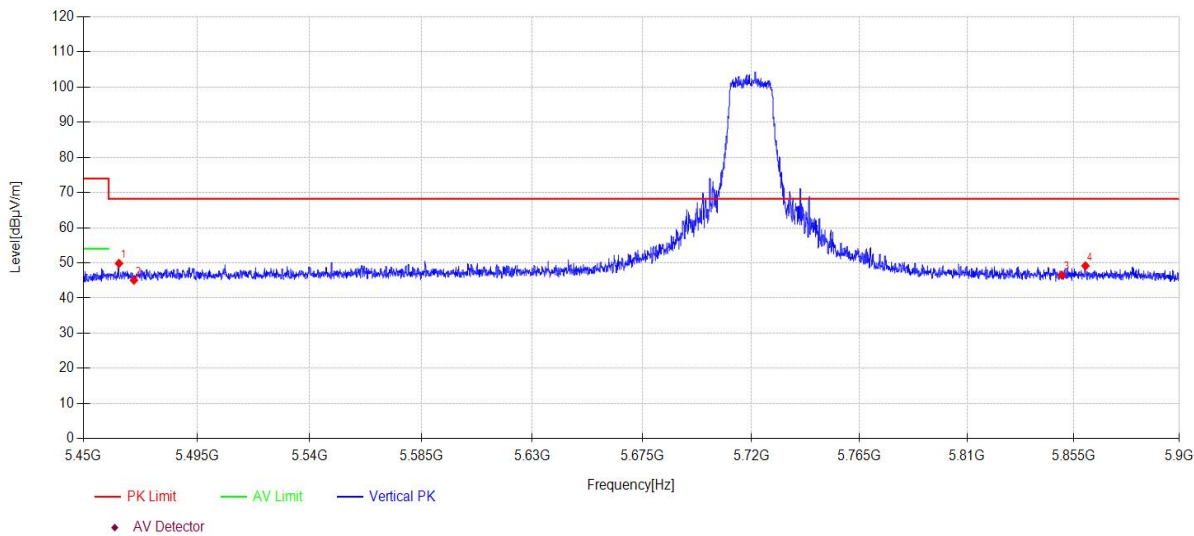
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\114

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	5464.09	11.11	33.00	5.74	0.00	49.85	68.20	18.35	PK	Vertical
2	5470.00	6.32	33.00	5.75	0.00	45.07	68.20	23.13	PK	Vertical
3	5850.00	6.60	34.00	5.94	0.00	46.54	68.20	21.66	PK	Vertical
4	5860.04	9.20	34.02	5.94	0.00	49.16	68.20	19.04	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 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

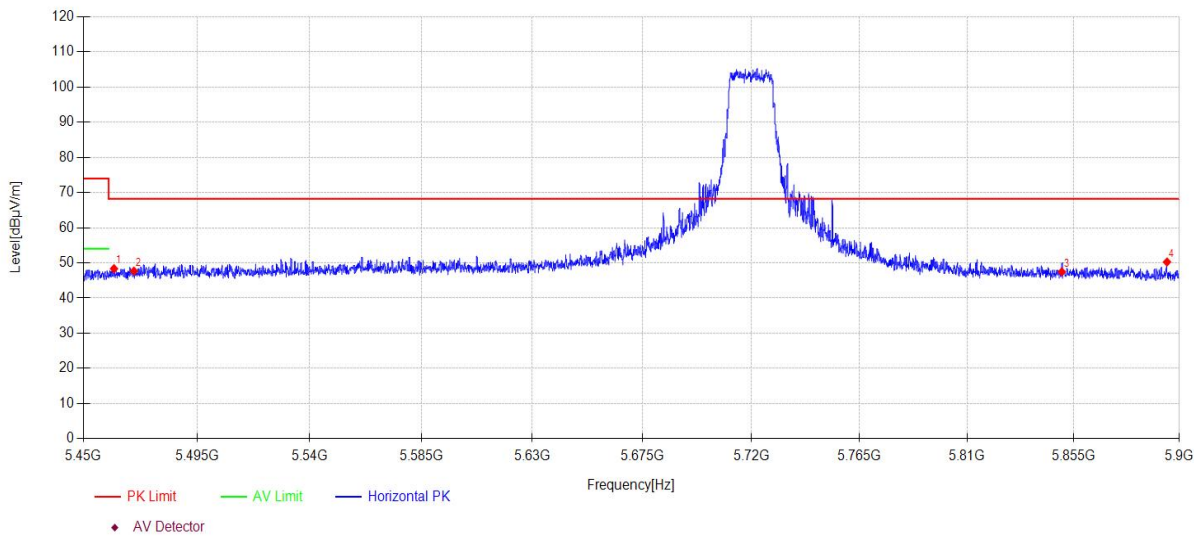
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\115

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	5462.11	9.61	33.00	5.74	0.00	48.35	68.20	19.85	PK	Horizontal
2	5470.00	8.94	33.00	5.75	0.00	47.69	68.20	20.51	PK	Horizontal
3	5850.00	7.52	34.00	5.94	0.00	47.46	68.20	20.74	PK	Horizontal
4	5894.74	10.21	34.09	5.96	0.00	50.26	68.20	17.94	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:

2024-01-25

Tested By:

Bairong

EUT:

Mercku M6s Nano Mesh Wi-Fi Router

Model Number:

MBAA0

Test Mode:

11AC20MIMO TX 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

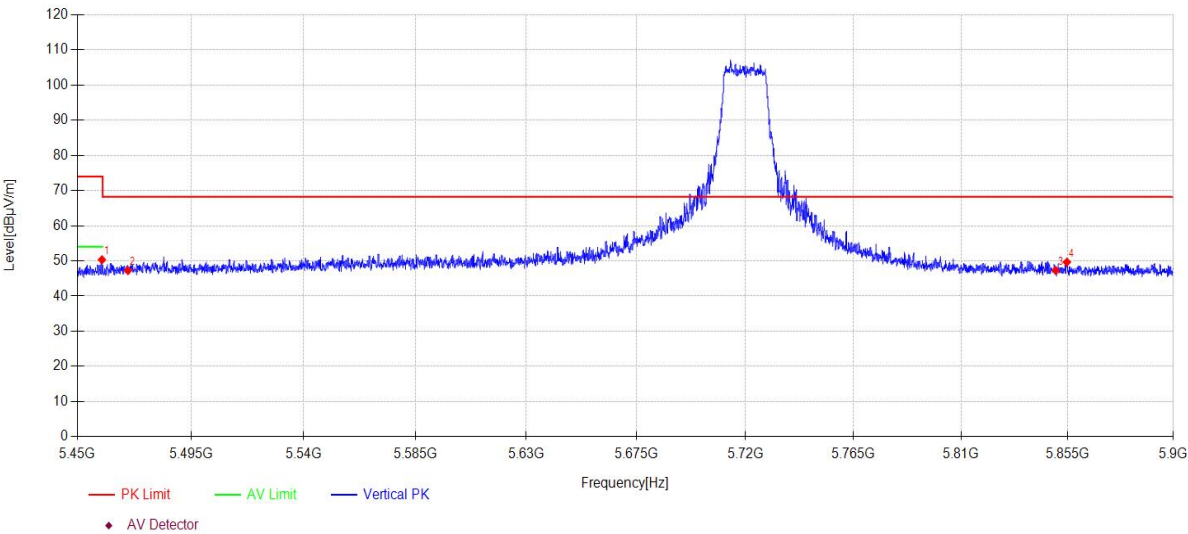
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\116

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	5459.72	11.58	33.00	5.74	0.00	50.32	74.00	23.68	PK	Vertical
2	5470.00	8.50	33.00	5.75	0.00	47.25	68.20	20.95	PK	Vertical
3	5850.00	7.34	34.00	5.94	0.00	47.28	68.20	20.92	PK	Vertical
4	5854.73	9.71	34.01	5.94	0.00	49.66	68.20	18.54	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 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

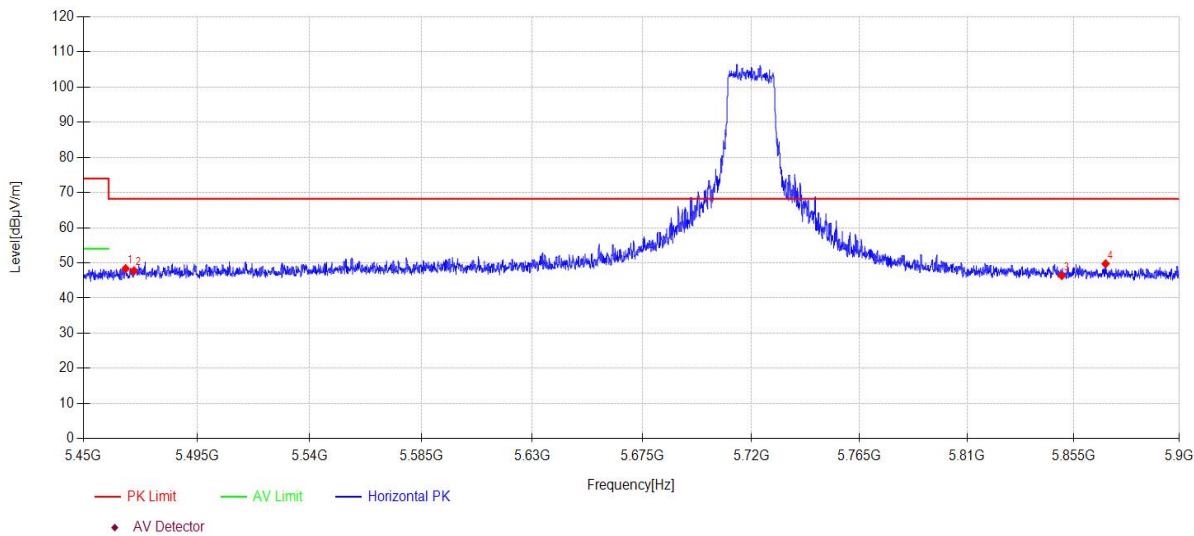
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\117

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	5466.70	9.62	33.00	5.74	0.00	48.36	68.20	19.84	PK	Horizontal
2	5470.00	8.98	33.00	5.75	0.00	47.73	68.20	20.47	PK	Horizontal
3	5850.00	6.46	34.00	5.94	0.00	46.40	68.20	21.80	PK	Horizontal
4	5868.59	9.77	34.04	5.94	0.00	49.75	68.20	18.45	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:

11AX20MIMO TX 5720MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

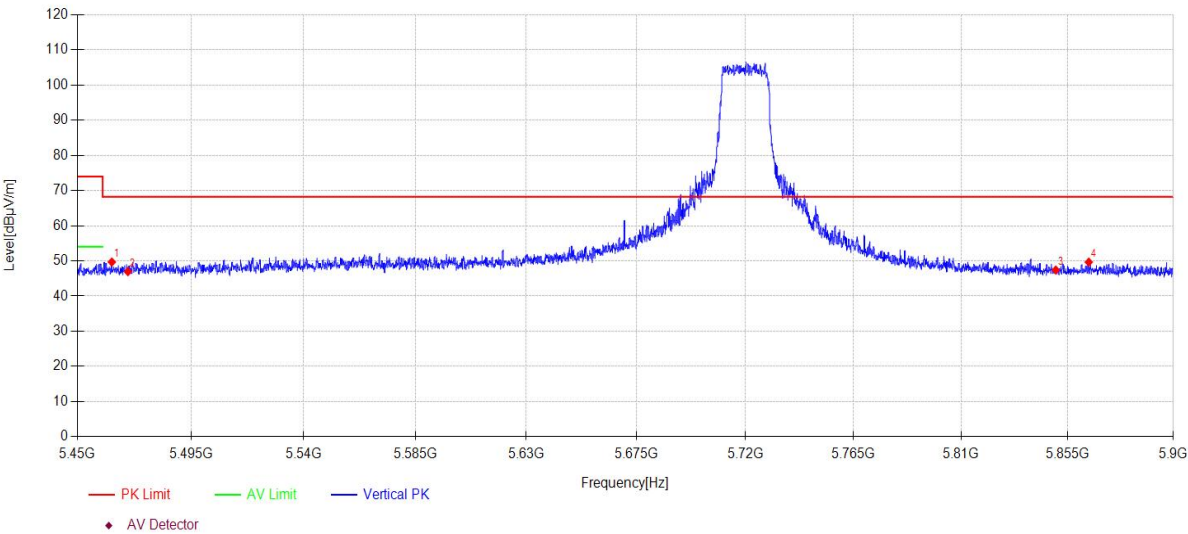
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\118

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	5463.64	10.94	33.00	5.74	0.00	49.68	68.20	18.52	PK	Vertical
2	5470.00	8.19	33.00	5.75	0.00	46.94	68.20	21.26	PK	Vertical
3	5850.00	7.48	34.00	5.94	0.00	47.42	68.20	20.78	PK	Vertical
4	5864.00	9.69	34.03	5.94	0.00	49.66	68.20	18.54	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:

11N40MIMO TX 5710MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

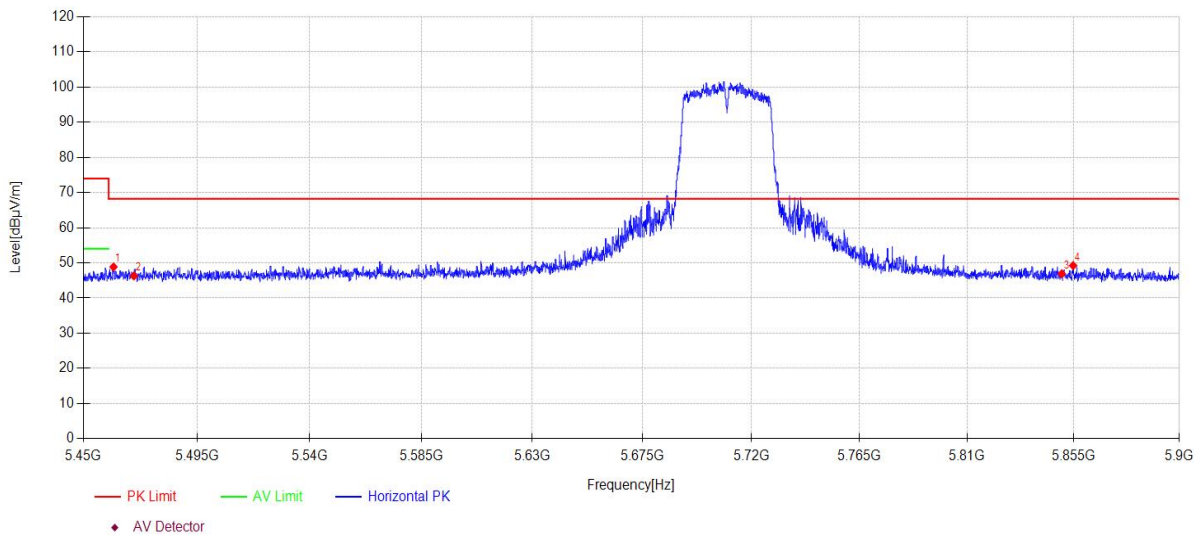
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\119

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	5461.93	10.11	33.00	5.74	0.00	48.85	68.20	19.35	PK	Horizontal
2	5470.00	7.56	33.00	5.75	0.00	46.31	68.20	21.89	PK	Horizontal
3	5850.00	6.97	34.00	5.94	0.00	46.91	68.20	21.29	PK	Horizontal
4	5854.82	9.29	34.01	5.94	0.00	49.24	68.20	18.96	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 5710MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

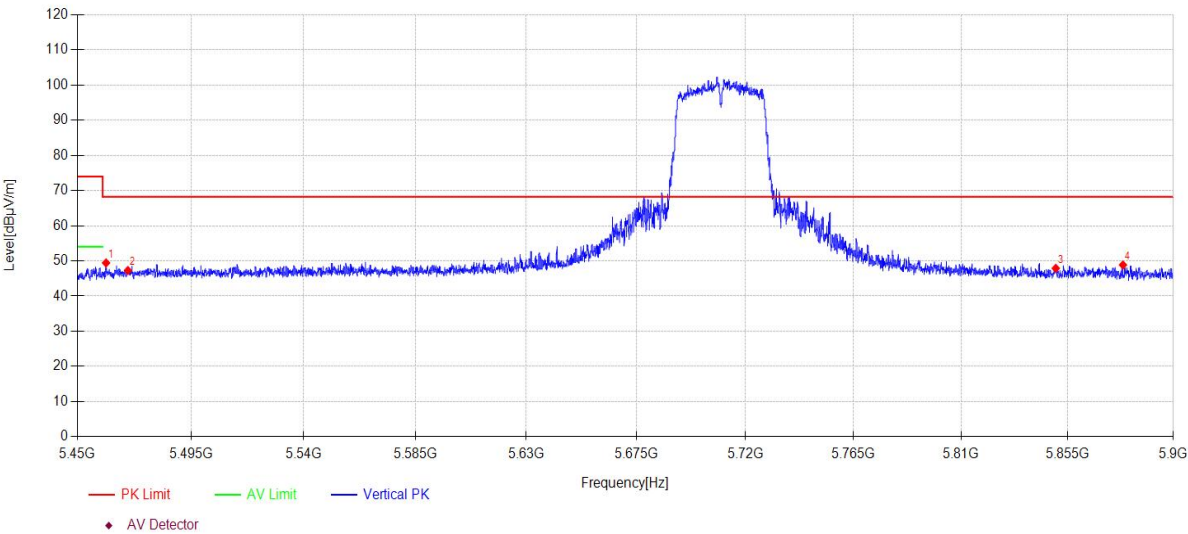
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\120

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	5461.34	10.68	33.00	5.74	0.00	49.42	68.20	18.78	PK	Vertical
2	5470.00	8.53	33.00	5.75	0.00	47.28	68.20	20.92	PK	Vertical
3	5850.00	7.95	34.00	5.94	0.00	47.89	68.20	20.31	PK	Vertical
4	5878.54	8.84	34.06	5.95	0.00	48.85	68.20	19.35	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:

11AC40MIMO TX 5710MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

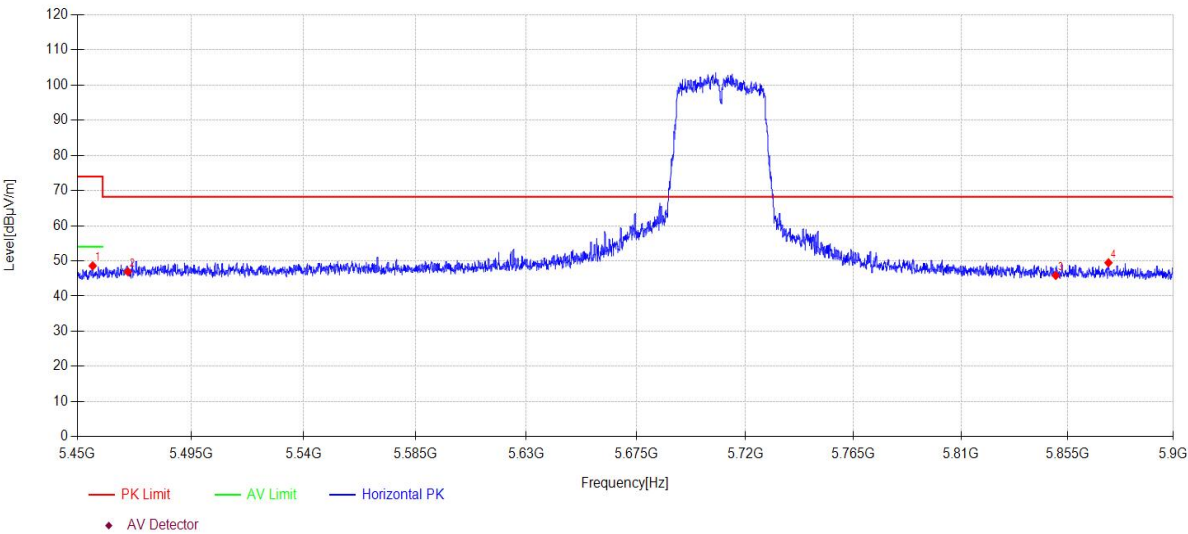
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\121

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	5456.08	9.85	33.00	5.74	0.00	48.59	74.00	25.41	PK	Horizontal
2	5470.00	8.16	33.00	5.75	0.00	46.91	68.20	21.29	PK	Horizontal
3	5850.00	5.91	34.00	5.94	0.00	45.85	68.20	22.35	PK	Horizontal
4	5872.37	9.49	34.04	5.95	0.00	49.48	68.20	18.72	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:

11AC40MIMO TX 5710MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

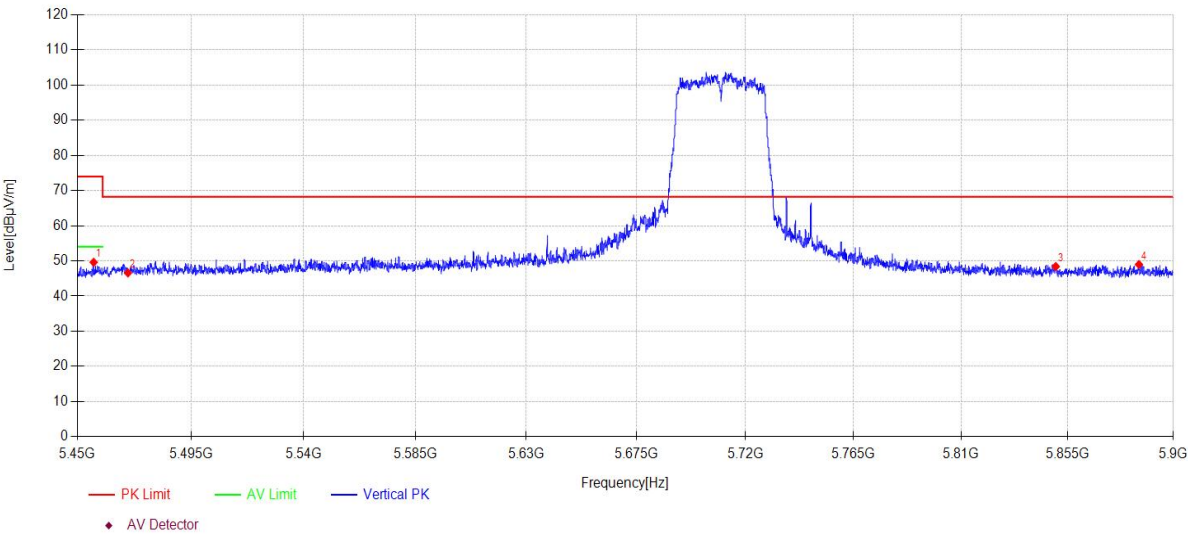
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\122

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	5456.44	10.87	33.00	5.74	0.00	49.61	74.00	24.39	PK	Vertical
2	5470.00	7.82	33.00	5.75	0.00	46.57	68.20	21.63	PK	Vertical
3	5850.00	8.46	34.00	5.94	0.00	48.40	68.20	19.80	PK	Vertical
4	5885.33	8.97	34.07	5.95	0.00	48.99	68.20	19.21	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 5710MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

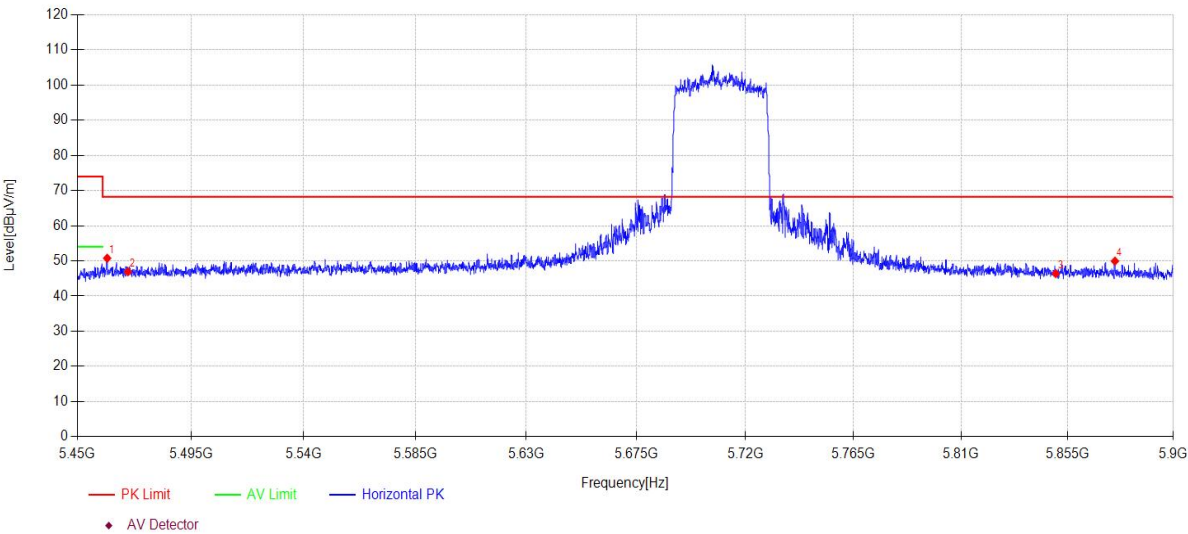
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\123

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	5461.79	12.02	33.00	5.74	0.00	50.76	68.20	17.44	PK	Horizontal
2	5470.00	8.16	33.00	5.75	0.00	46.91	68.20	21.29	PK	Horizontal
3	5850.00	6.45	34.00	5.94	0.00	46.39	68.20	21.81	PK	Horizontal
4	5875.12	9.94	34.05	5.95	0.00	49.94	68.20	18.26	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 5710MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

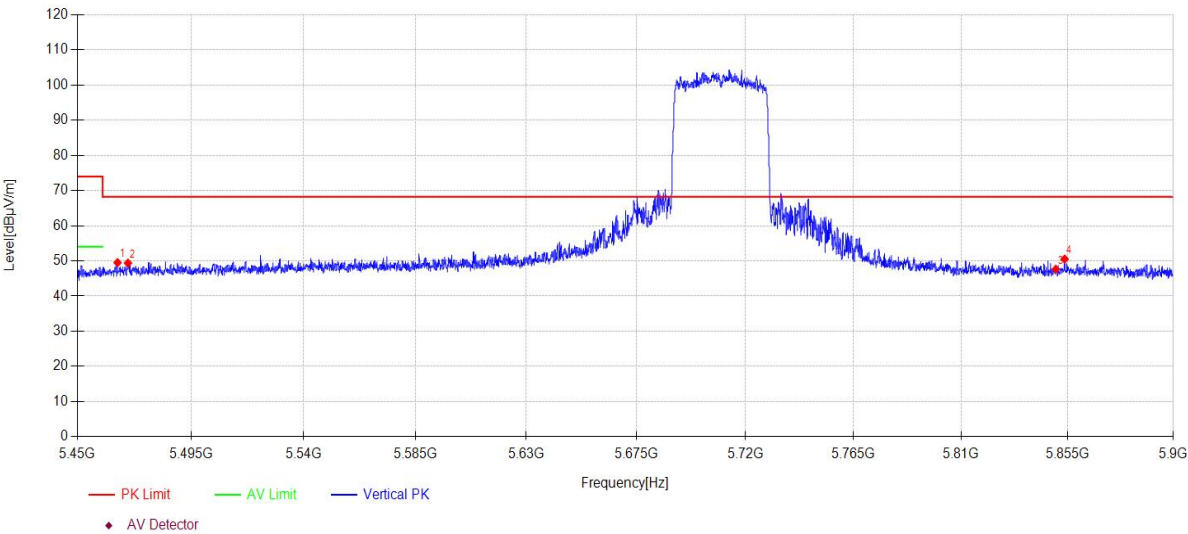
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\124

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	5465.89	10.77	33.00	5.74	0.00	49.51	68.20	18.69	PK	Vertical
2	5470.00	10.63	33.00	5.75	0.00	49.38	68.20	18.82	PK	Vertical
3	5850.00	7.71	34.00	5.94	0.00	47.65	68.20	20.55	PK	Vertical
4	5853.79	10.58	34.01	5.94	0.00	50.53	68.20	17.67	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 5690MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

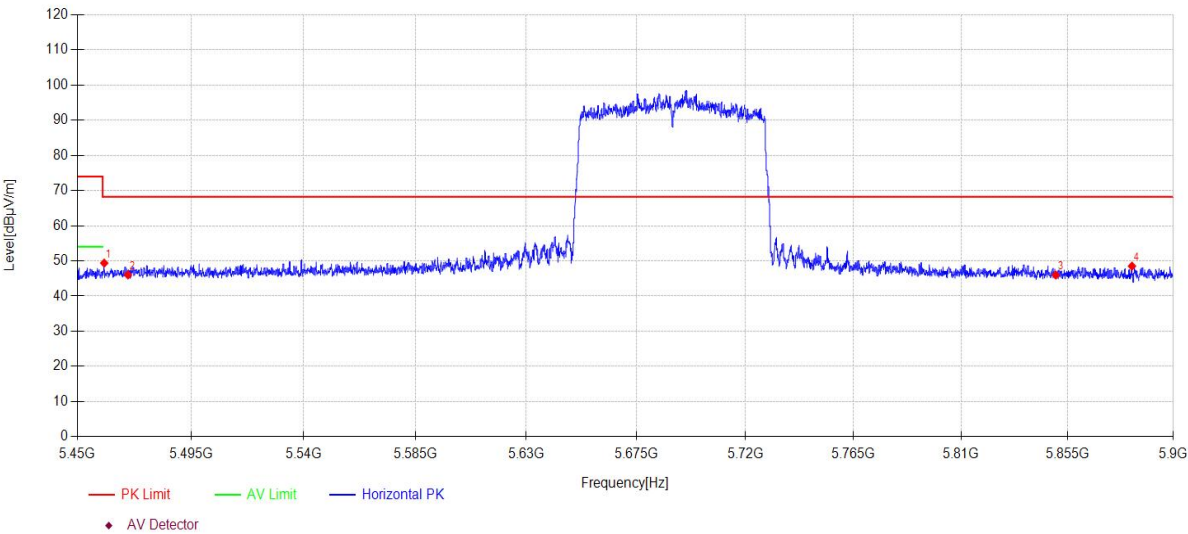
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\125

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	5460.62	10.63	33.00	5.74	0.00	49.37	68.20	18.83	PK	Horizontal
2	5470.00	7.28	33.00	5.75	0.00	46.03	68.20	22.17	PK	Horizontal
3	5850.00	6.04	34.00	5.94	0.00	45.98	68.20	22.22	PK	Horizontal
4	5882.36	8.50	34.06	5.95	0.00	48.51	68.20	19.69	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:

11AC80MIMO TX 5690MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

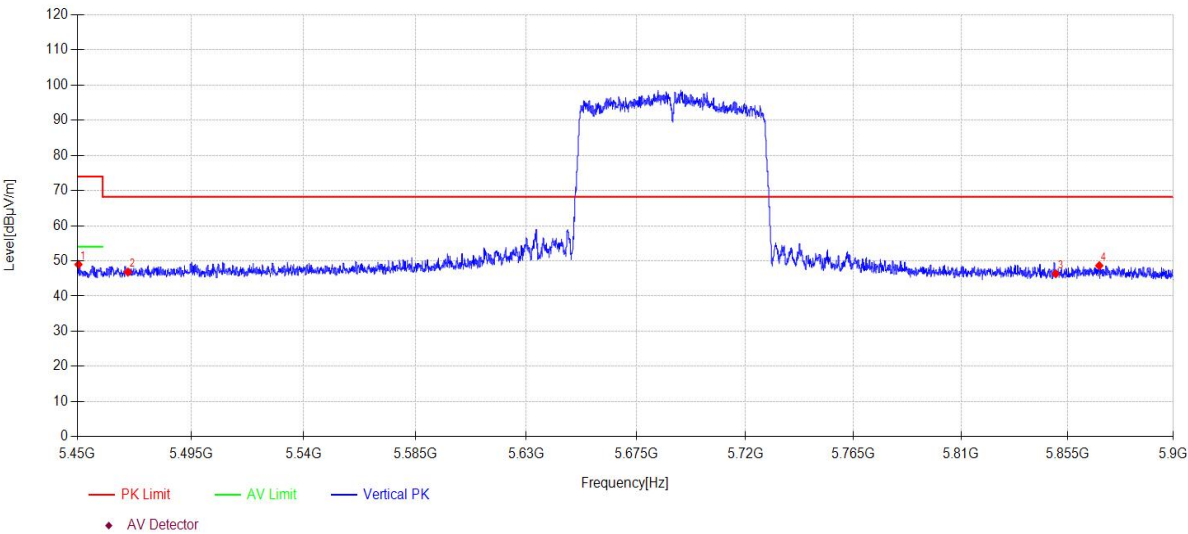
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\126

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	5450.45	10.25	33.00	5.74	0.00	48.99	74.00	25.01	PK	Vertical
2	5470.00	8.06	33.00	5.75	0.00	46.81	68.20	21.39	PK	Vertical
3	5850.00	6.42	34.00	5.94	0.00	46.36	68.20	21.84	PK	Vertical
4	5868.46	8.66	34.04	5.94	0.00	48.64	68.20	19.56	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:

11AX80MIMO TX 5690MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

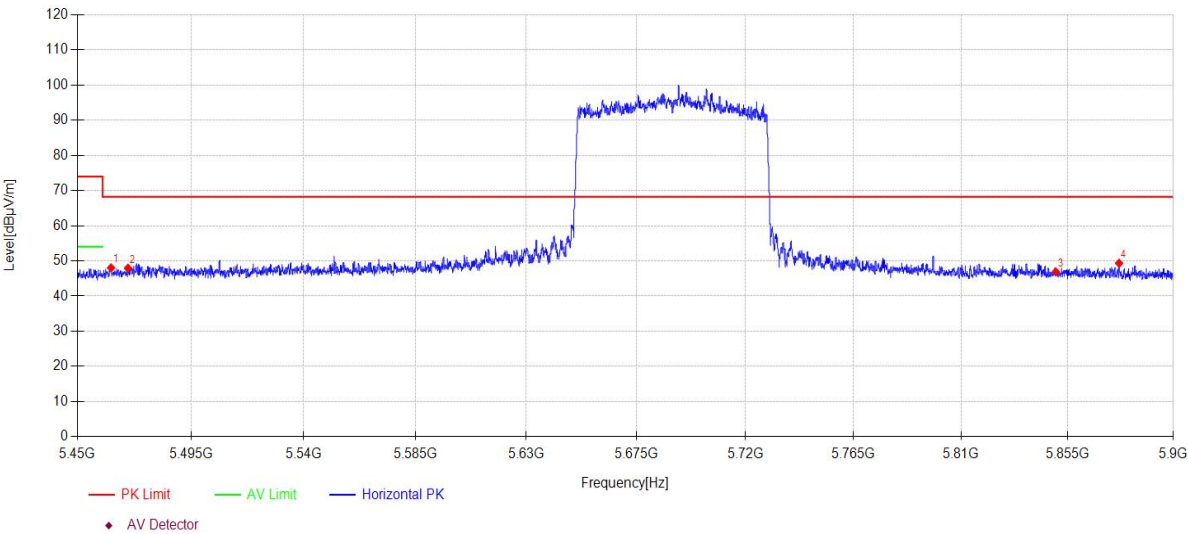
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\127

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	5463.32	9.28	33.00	5.74	0.00	48.02	68.20	20.18	PK	Horizontal
2	5470.00	9.18	33.00	5.75	0.00	47.93	68.20	20.27	PK	Horizontal
3	5850.00	6.95	34.00	5.94	0.00	46.89	68.20	21.31	PK	Horizontal
4	5876.87	9.36	34.05	5.95	0.00	49.36	68.20	18.84	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:

11AX80MIMO TX 5690MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:25.6°C;Humi:56.5%

Test Site:

DDT 3# Chamber

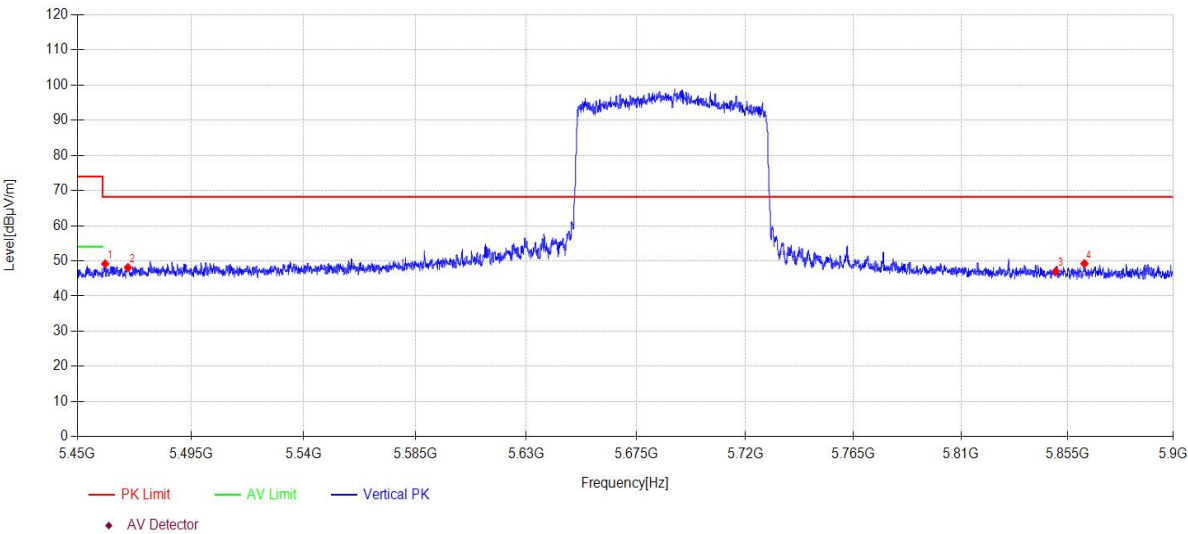
File Path:

d:\ts\2023 report data\Q23111605-2E MBAA0\FCC ABOVE 1G 5GWIFI\128

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	5460.98	10.43	33.00	5.74	0.00	49.17	68.20	19.03	PK	Vertical
2	5470.00	9.36	33.00	5.75	0.00	48.11	68.20	20.09	PK	Vertical
3	5850.00	7.09	34.00	5.94	0.00	47.03	68.20	21.17	PK	Vertical
4	5862.16	9.26	34.02	5.94	0.00	49.22	68.20	18.98	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.