

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11N20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

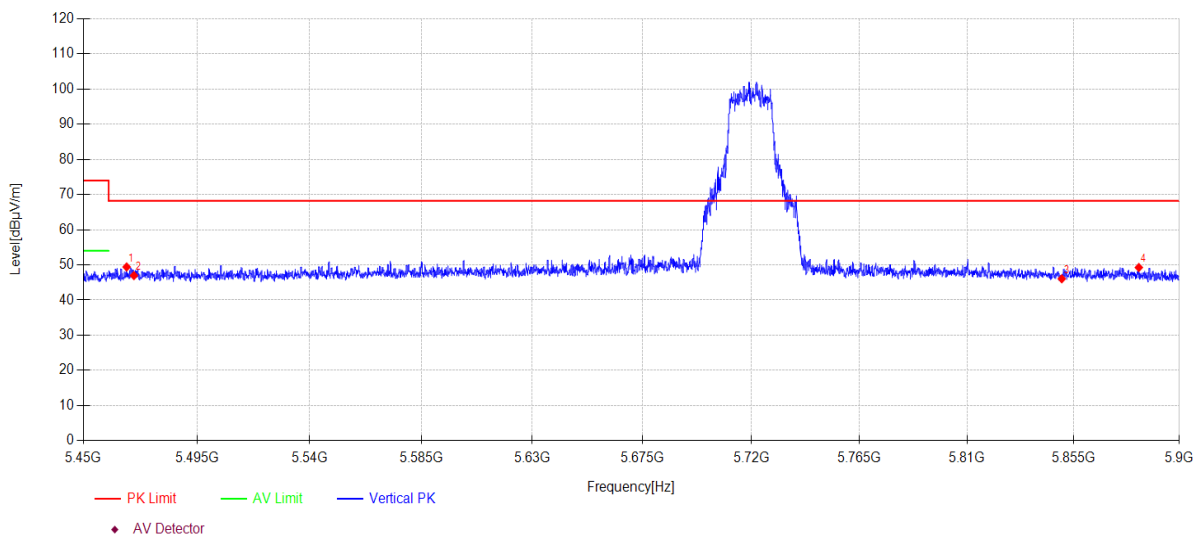
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\228

Memo:

Sample Number:S23111313-02 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	5467.10	10.67	33.00	5.74	0.00	49.41	68.20	18.79	PK	Vertical
2	5470.00	8.23	33.00	5.75	0.00	46.98	68.20	21.22	PK	Vertical
3	5850.00	6.11	34.00	5.94	0.00	46.05	68.20	22.15	PK	Vertical
4	5882.72	9.24	34.07	5.95	0.00	49.26	68.20	18.94	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

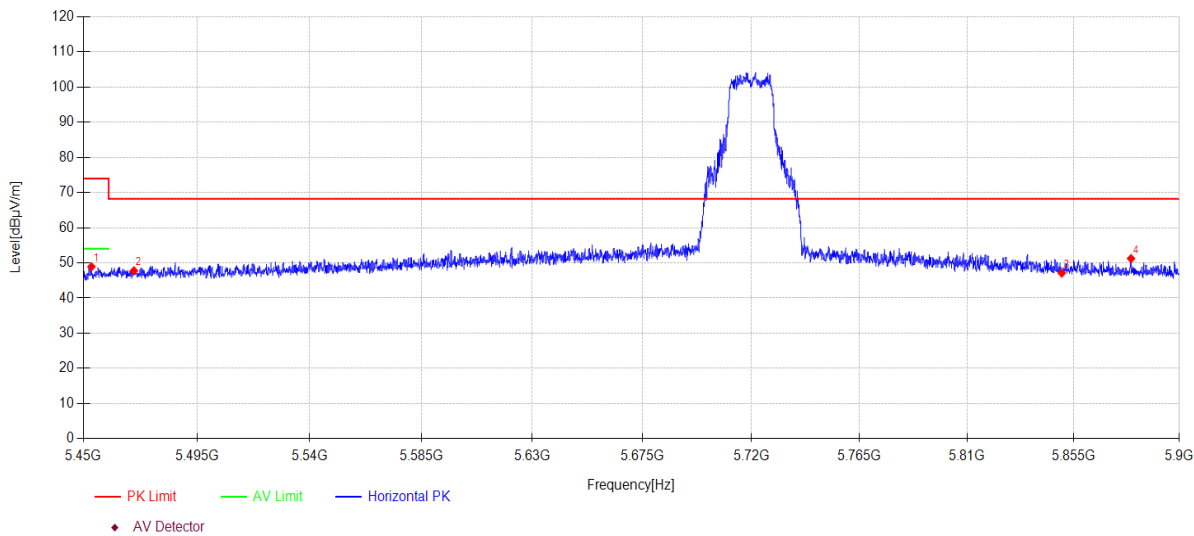
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Memo:

Sample Number:S23111313-02 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	5453.20	10.18	33.00	5.74	0.00	48.92	74.00	25.08	PK	Horizontal
2	5470.00	9.02	33.00	5.75	0.00	47.77	68.20	20.43	PK	Horizontal
3	5850.00	7.14	34.00	5.94	0.00	47.08	68.20	21.12	PK	Horizontal
4	5879.39	11.24	34.06	5.95	0.00	51.25	68.20	16.95	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

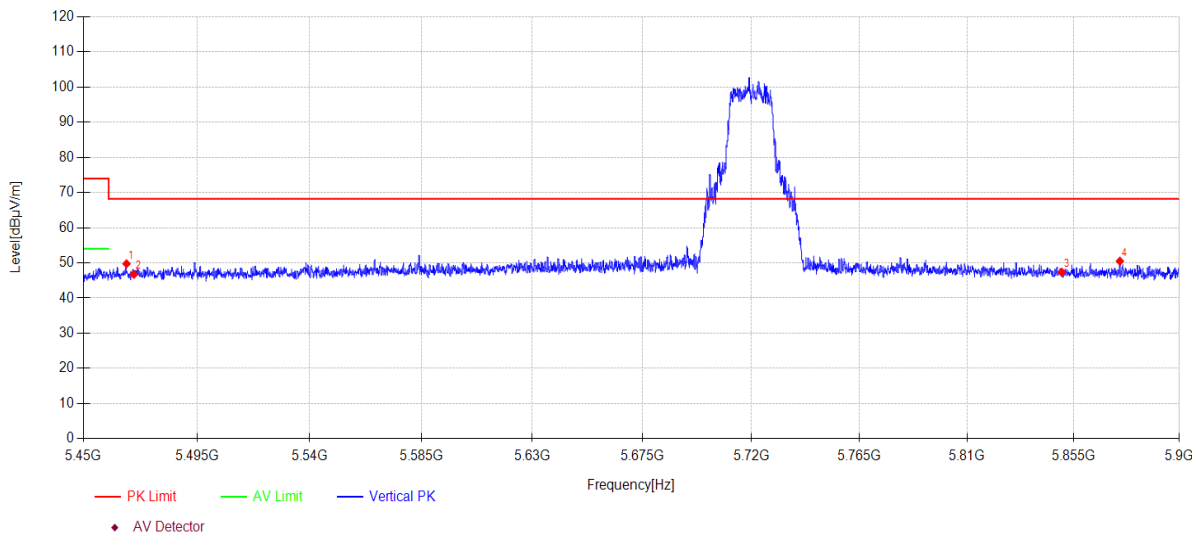
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Memo:

Sample Number:S23111313-02 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	5467.06	11.01	33.00	5.74	0.00	49.75	68.20	18.45	PK	Vertical
2	5470.00	7.99	33.00	5.75	0.00	46.74	68.20	21.46	PK	Vertical
3	5850.00	7.42	34.00	5.94	0.00	47.36	68.20	20.84	PK	Vertical
4	5874.67	10.51	34.05	5.95	0.00	50.51	68.20	17.69	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

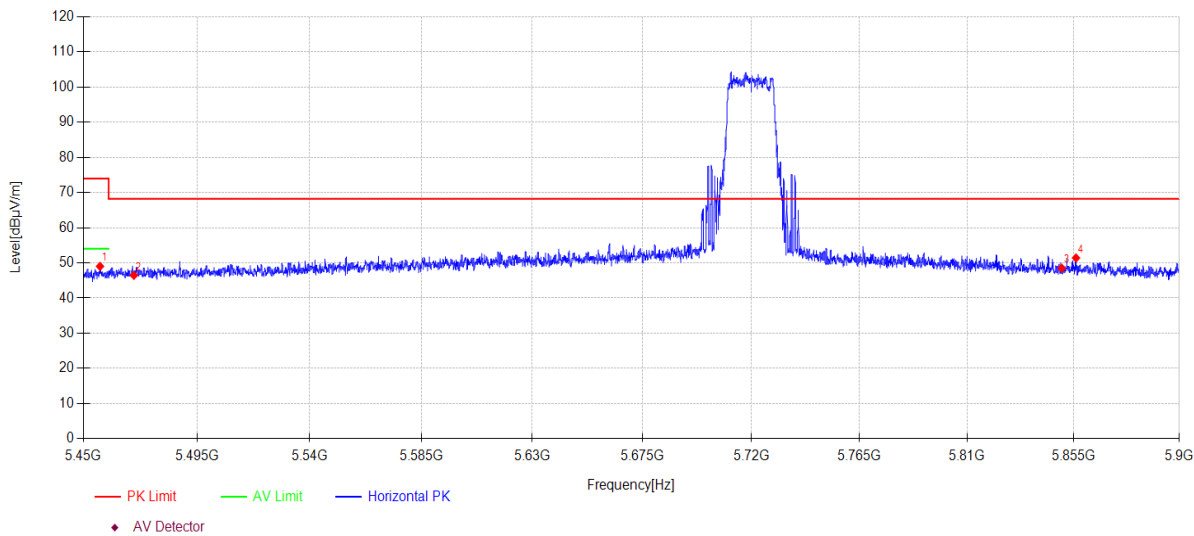
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Memo:

Sample Number:S23111313-02 Power Setting:13

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	5456.57	10.27	33.00	5.74	0.00	49.01	74.00	24.99	PK	Horizontal
2	5470.00	7.71	33.00	5.75	0.00	46.46	68.20	21.74	PK	Horizontal
3	5850.00	8.55	34.00	5.94	0.00	48.49	68.20	19.71	PK	Horizontal
4	5856.04	11.46	34.01	5.94	0.00	51.41	68.20	16.79	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

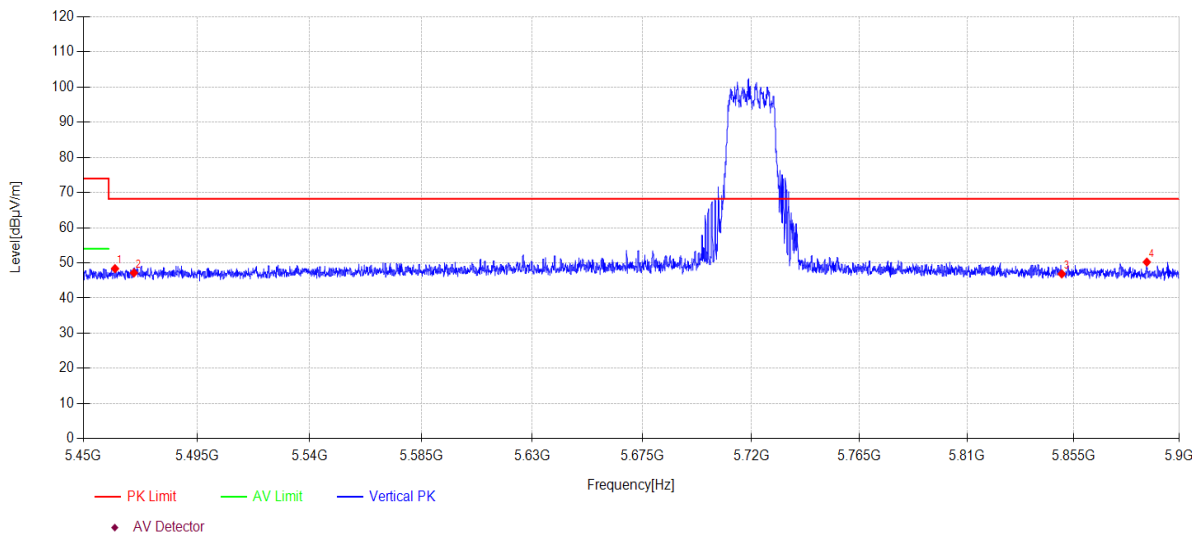
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\232

Memo:

Sample Number:S23111313-02 Power Setting:13

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	5462.51	9.63	33.00	5.74	0.00	48.37	68.20	19.83	PK	Vertical
2	5470.00	8.42	33.00	5.75	0.00	47.17	68.20	21.03	PK	Vertical
3	5850.00	6.94	34.00	5.94	0.00	46.88	68.20	21.32	PK	Vertical
4	5886.14	10.21	34.07	5.95	0.00	50.23	68.20	17.97	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11N40MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

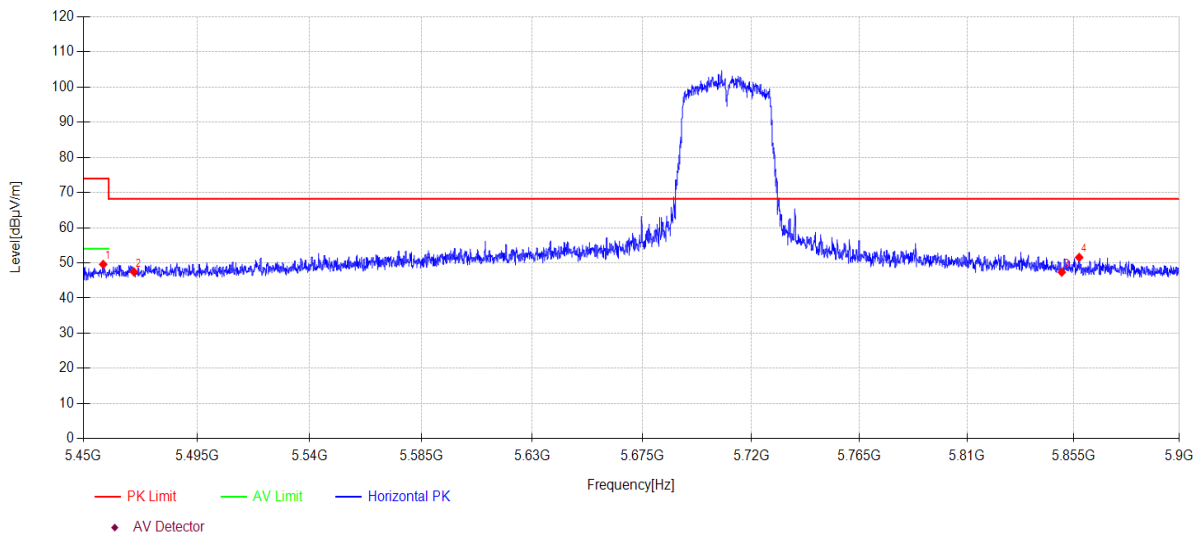
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Memo:

Sample Number:S23111313-02 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	5457.83	10.85	33.00	5.74	0.00	49.59	74.00	24.41	PK	Horizontal
2	5470.00	8.69	33.00	5.75	0.00	47.44	68.20	20.76	PK	Horizontal
3	5850.00	7.41	34.00	5.94	0.00	47.35	68.20	20.85	PK	Horizontal
4	5857.39	11.61	34.01	5.94	0.00	51.56	68.20	16.64	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11N40MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

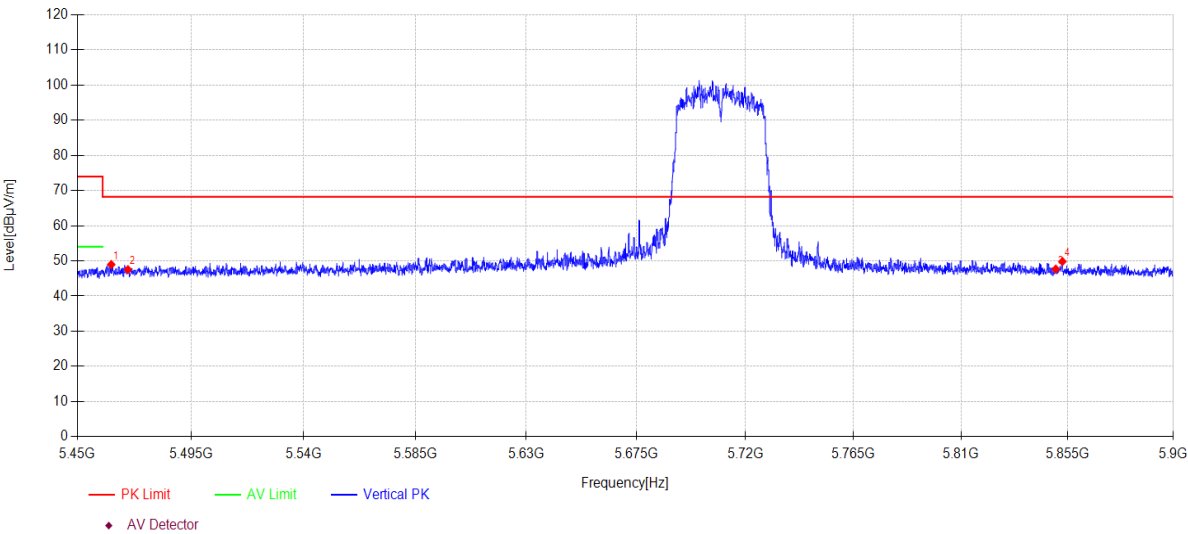
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Memo:

Sample Number:S23111313-02 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	5463.41	10.23	33.00	5.74	0.00	48.97	68.20	19.23	PK	Vertical
2	5470.00	8.77	33.00	5.75	0.00	47.52	68.20	20.68	PK	Vertical
3	5850.00	7.73	34.00	5.94	0.00	47.67	68.20	20.53	PK	Vertical
4	5852.84	9.89	34.01	5.94	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC40MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

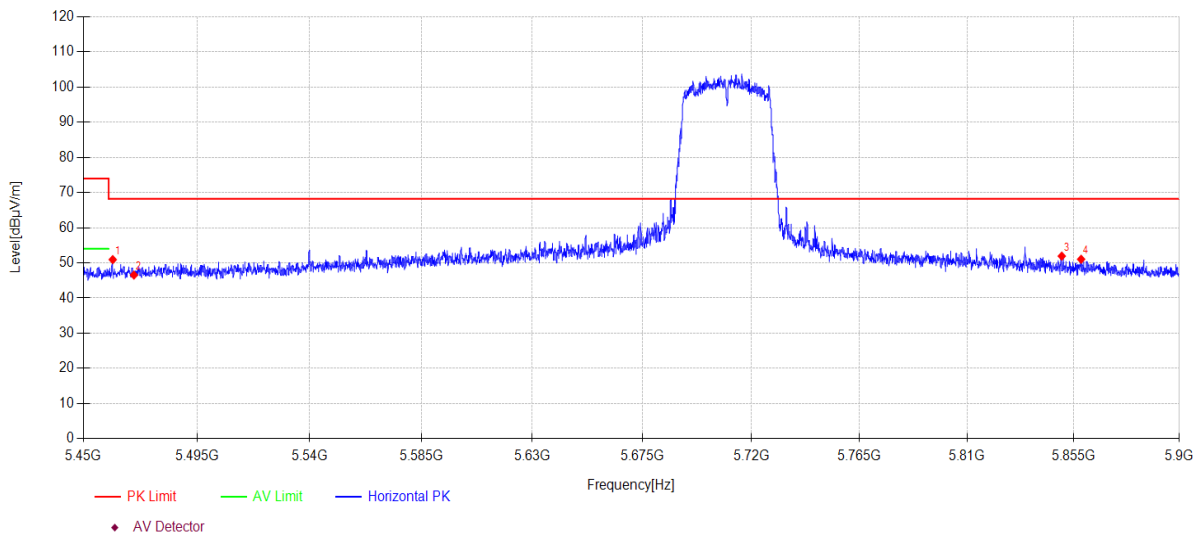
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Memo:

Sample Number:S23111313-02 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	5461.61	12.20	33.00	5.74	0.00	50.94	68.20	17.26	PK	Horizontal
2	5470.00	7.79	33.00	5.75	0.00	46.54	68.20	21.66	PK	Horizontal
3	5850.00	11.99	34.00	5.94	0.00	51.93	68.20	16.27	PK	Horizontal
4	5858.20	11.08	34.02	5.94	0.00	51.04	68.20	17.16	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC40MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

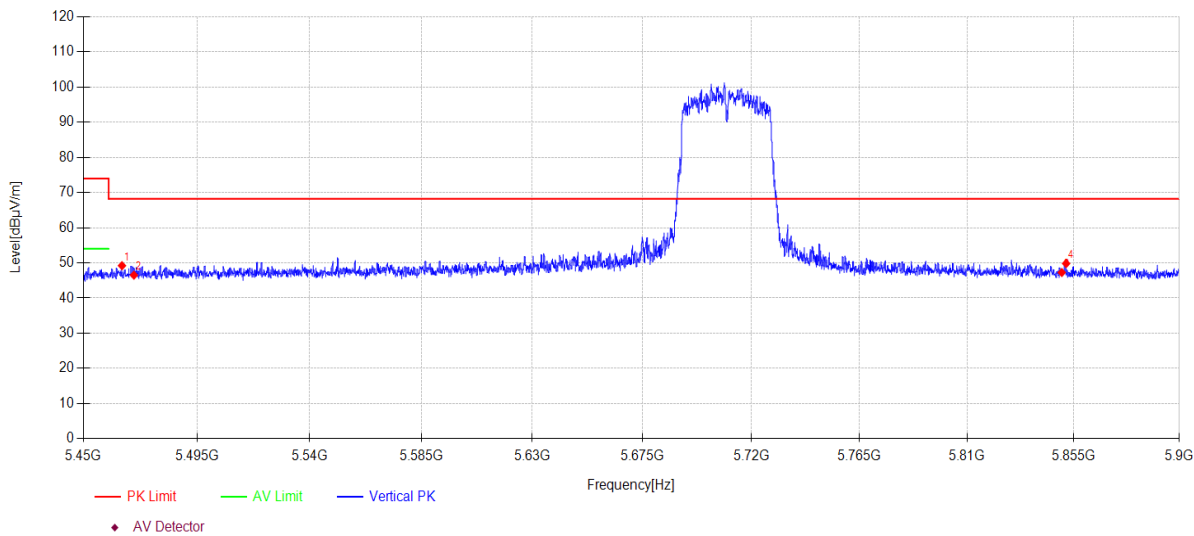
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Memo:

Sample Number:S23111313-02 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	5465.26	10.47	33.00	5.74	0.00	49.21	68.20	18.99	PK	Vertical
2	5470.00	7.77	33.00	5.75	0.00	46.52	68.20	21.68	PK	Vertical
3	5850.00	7.34	34.00	5.94	0.00	47.28	68.20	20.92	PK	Vertical
4	5851.85	9.89	34.00	5.94	0.00	49.83	68.20	18.37	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX40MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

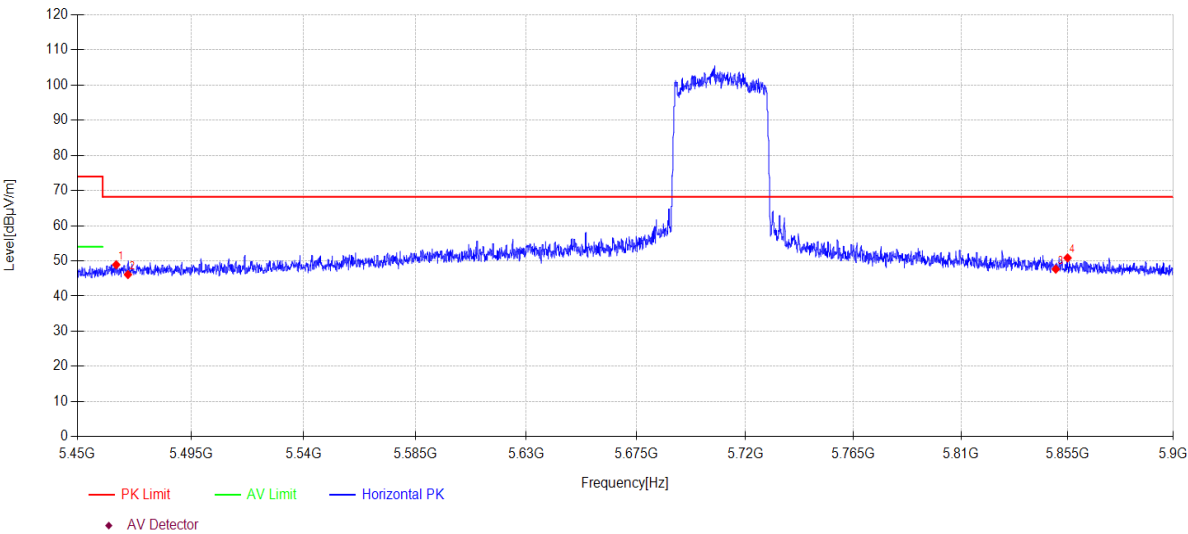
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Memo:

Sample Number:S23111313-02 Power Setting:15

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	5465.35	10.16	33.00	5.74	0.00	48.90	68.20	19.30	PK	Horizontal
2	5470.00	7.37	33.00	5.75	0.00	46.12	68.20	22.08	PK	Horizontal
3	5850.00	7.73	34.00	5.94	0.00	47.67	68.20	20.53	PK	Horizontal
4	5855.00	10.90	34.01	5.94	0.00	50.85	68.20	17.35	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX40MIMO 5720MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

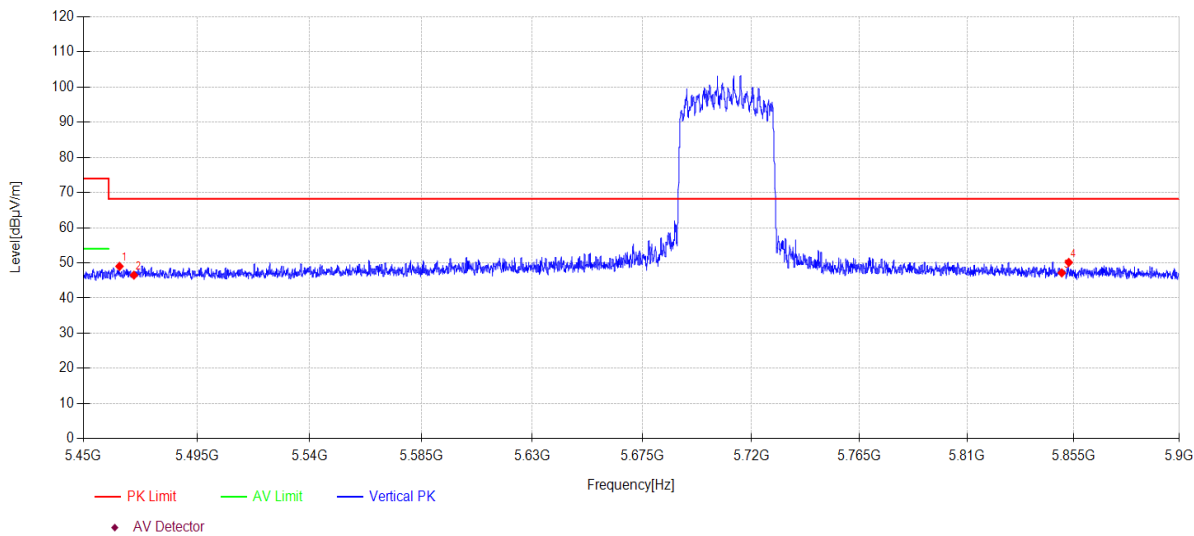
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Memo:

Sample Number:S23111313-02 Power Setting:15

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	5464.27	10.27	33.00	5.74	0.00	49.01	68.20	19.19	PK	Vertical
2	5470.00	7.76	33.00	5.75	0.00	46.51	68.20	21.69	PK	Vertical
3	5850.00	7.23	34.00	5.94	0.00	47.17	68.20	21.03	PK	Vertical
4	5852.98	10.20	34.01	5.94	0.00	50.15	68.20	18.05	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC80MIMO 5690MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

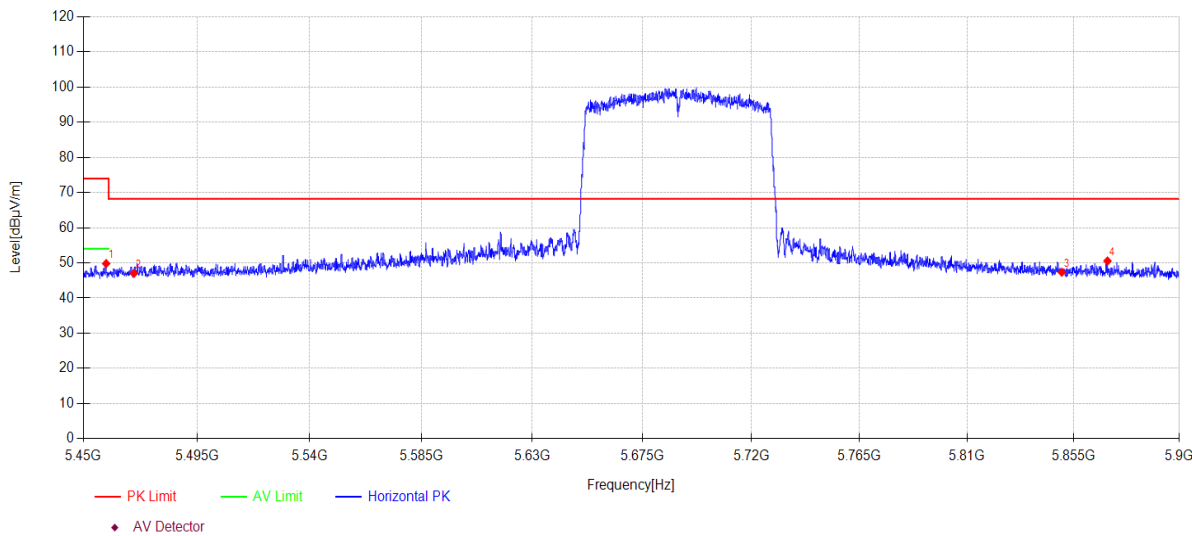
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Memo:

Sample Number:S23111313-02 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	5459.00	11.08	33.00	5.74	0.00	49.82	74.00	24.18	PK	Horizontal
2	5470.00	8.29	33.00	5.75	0.00	47.04	68.20	21.16	PK	Horizontal
3	5850.00	7.40	34.00	5.94	0.00	47.34	68.20	20.86	PK	Horizontal
4	5869.40	10.56	34.04	5.94	0.00	50.54	68.20	17.66	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC80MIMO 5690MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

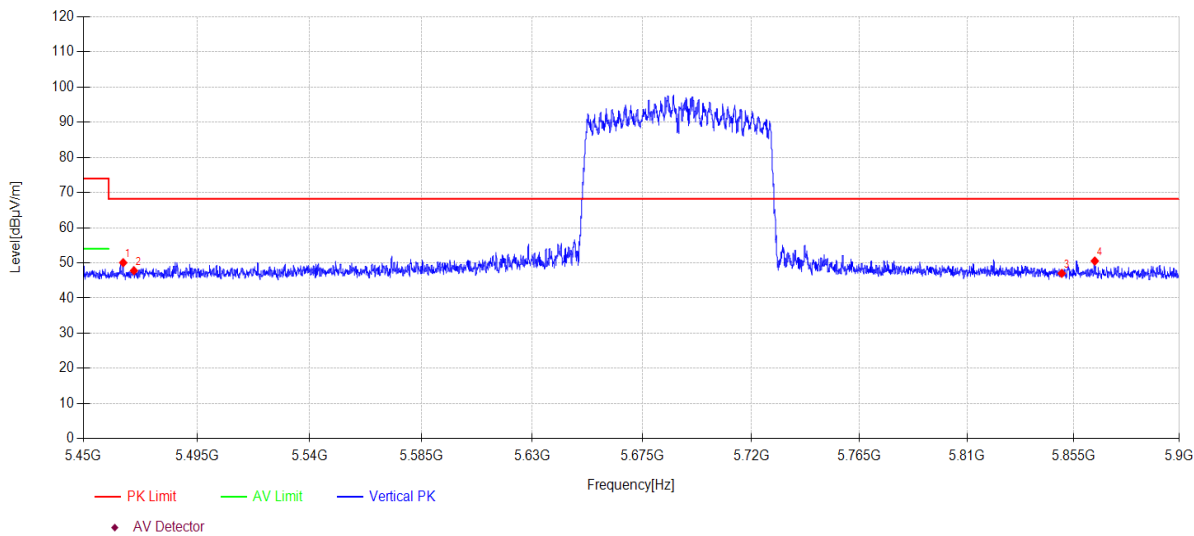
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Memo:

Sample Number:S23111313-02 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	5465.75	11.33	33.00	5.74	0.00	50.07	68.20	18.13	PK	Vertical
2	5470.00	9.03	33.00	5.75	0.00	47.78	68.20	20.42	PK	Vertical
3	5850.00	7.08	34.00	5.94	0.00	47.02	68.20	21.18	PK	Vertical
4	5864.00	10.57	34.03	5.94	0.00	50.54	68.20	17.66	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX80MIMO 5690MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

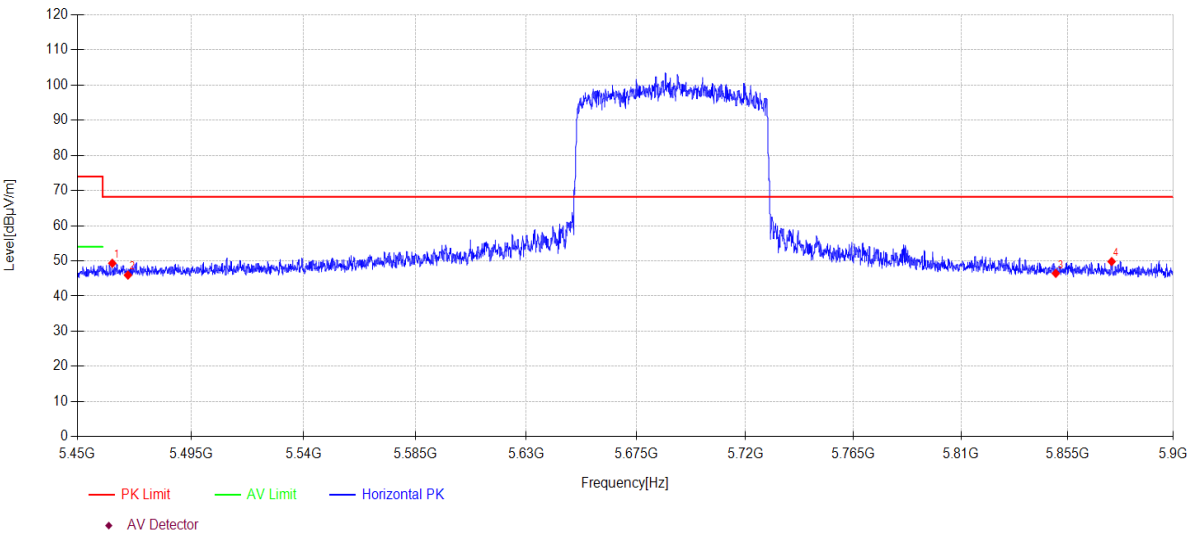
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\241

Memo:

Sample Number:S23111313-02 Power Setting:15

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	5463.82	10.58	33.00	5.74	0.00	49.32	68.20	18.88	PK	Horizontal
2	5470.00	7.21	33.00	5.75	0.00	45.96	68.20	22.24	PK	Horizontal
3	5850.00	6.51	34.00	5.94	0.00	46.45	68.20	21.75	PK	Horizontal
4	5873.72	9.82	34.05	5.95	0.00	49.82	68.20	18.38	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX80MIMO 5690MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

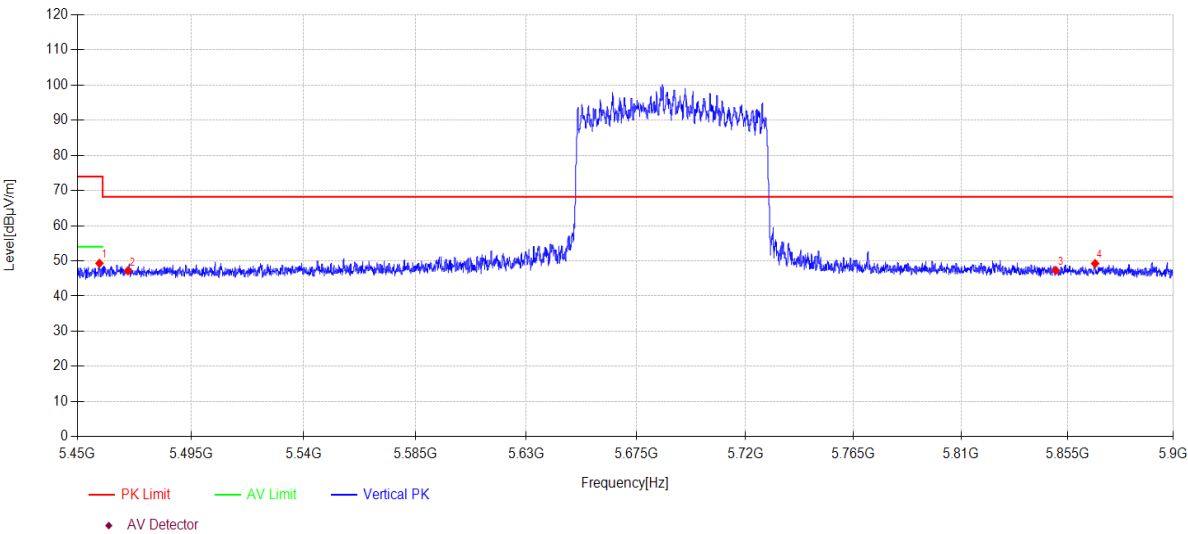
File Path:

d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\242

Memo:

Sample Number:S23111313-02 Power Setting:15

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	5458.73	10.58	33.00	5.74	0.00	49.32	74.00	24.68	PK	Vertical
2	5470.00	8.44	33.00	5.75	0.00	47.19	68.20	21.01	PK	Vertical
3	5850.00	7.36	34.00	5.94	0.00	47.30	68.20	20.90	PK	Vertical
4	5866.70	9.28	34.03	5.94	0.00	49.25	68.20	18.95	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:

2024-01-29

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5745MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

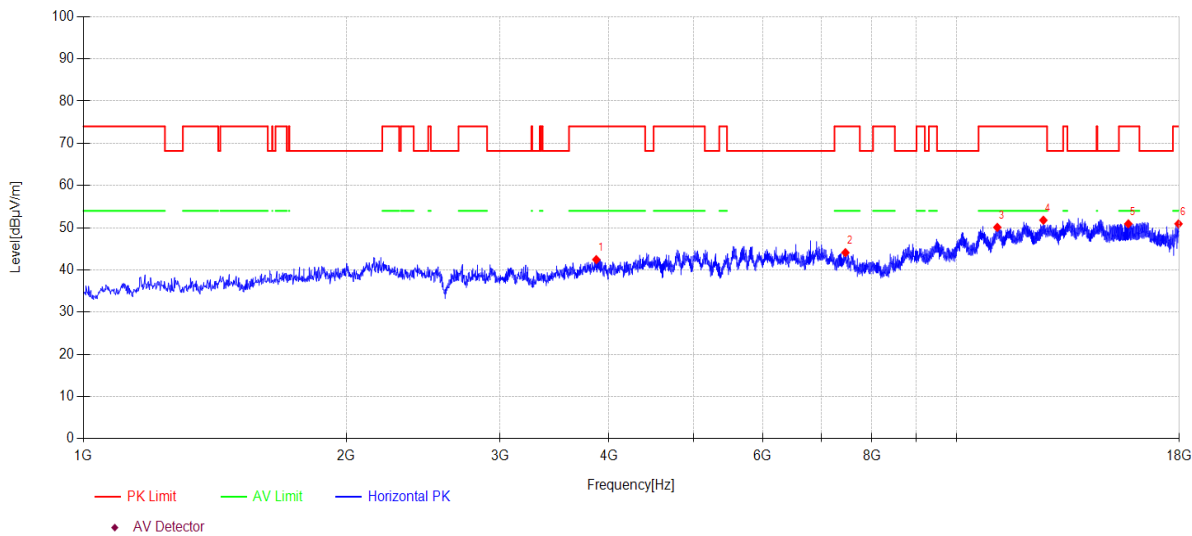
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Memo:

Sample Number:S23111313-02 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	3867.90	45.83	31.01	5.98	-40.37	42.45	74.00	31.55	PK	Horizontal
2	7461.70	40.48	36.58	8.89	-41.85	44.10	74.00	29.90	PK	Horizontal
3	11137.10	40.35	39.26	9.63	-39.15	50.09	74.00	23.91	PK	Horizontal
4	12577.00	41.82	39.40	10.35	-39.79	51.78	74.00	22.22	PK	Horizontal
5	15733.90	36.96	38.43	14.73	-39.20	50.92	74.00	23.08	PK	Horizontal
6	17962.60	38.22	42.21	12.81	-42.32	50.92	74.00	23.08	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:

2024-01-29

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5745MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

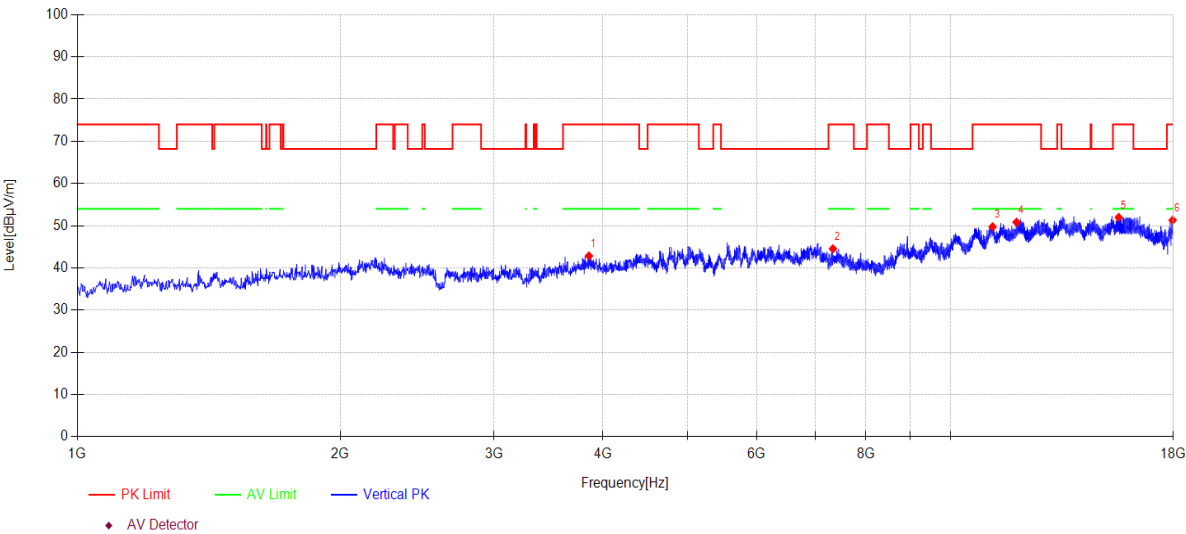
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Memo:

Sample Number:S23111313-02 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	3854.30	46.31	30.93	5.97	-40.36	42.85	74.00	31.15	PK	Vertical
2	7334.20	40.34	36.83	8.91	-41.54	44.54	74.00	29.46	PK	Vertical
3	11176.20	40.05	39.22	9.66	-39.17	49.76	74.00	24.24	PK	Vertical
4	11902.10	41.19	38.91	10.24	-39.51	50.83	74.00	23.17	PK	Vertical
5	15584.30	38.48	38.63	13.97	-39.11	51.97	74.00	22.03	PK	Vertical
6	17967.70	38.58	42.24	12.82	-42.33	51.31	74.00	22.69	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:

2024-01-29

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5785MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

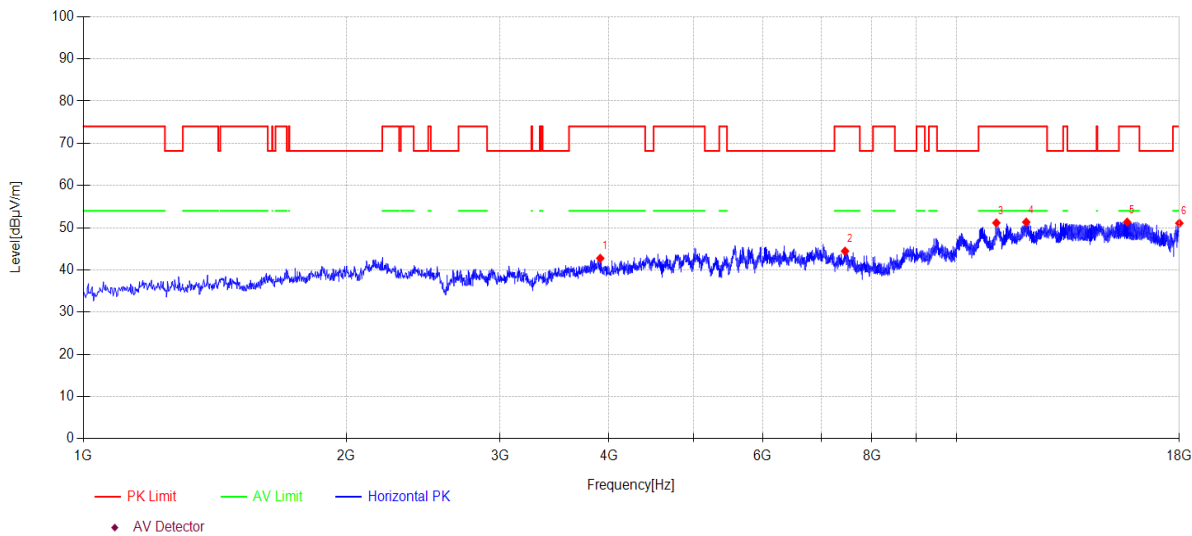
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5.8GWIFI\3

Memo:

Sample Number:S23111313-02 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	3908.70	45.95	31.18	6.01	-40.39	42.75	74.00	31.25	PK	Horizontal
2	7454.90	40.81	36.59	8.89	-41.84	44.45	74.00	29.55	PK	Horizontal
3	11109.90	41.39	39.29	9.61	-39.14	51.15	74.00	22.85	PK	Horizontal
4	12021.10	41.36	39.22	10.32	-39.57	51.33	74.00	22.67	PK	Horizontal
5	15686.30	37.51	38.51	14.49	-39.17	51.34	74.00	22.66	PK	Horizontal
6	18000.00	38.22	42.40	12.85	-42.40	51.07	74.00	22.93	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:

2024-01-29

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5785MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

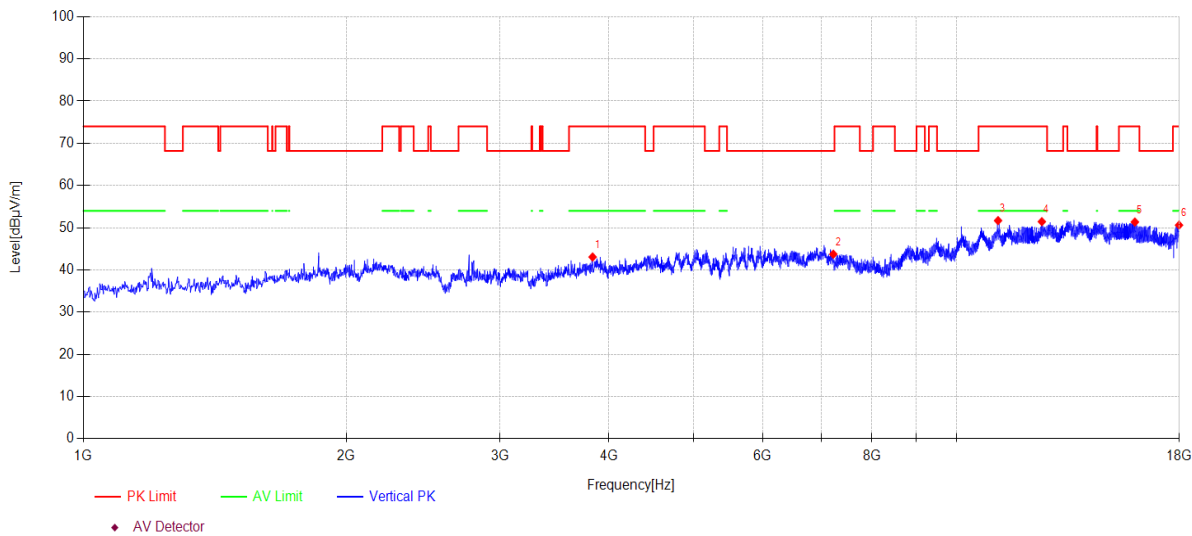
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Memo:

Sample Number:S23111313-02 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	3830.50	46.63	30.82	5.96	-40.35	43.06	74.00	30.94	PK	Vertical
2	7227.10	39.28	36.80	8.92	-41.27	43.73	68.20	24.47	PK	Vertical
3	11159.20	41.96	39.24	9.65	-39.16	51.69	74.00	22.31	PK	Vertical
4	12526.00	41.46	39.40	10.35	-39.77	51.44	74.00	22.56	PK	Vertical
5	16007.60	36.69	37.99	16.04	-39.37	51.35	74.00	22.65	PK	Vertical
6	17986.40	37.81	42.33	12.84	-42.37	50.61	74.00	23.39	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:

2024-01-29

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5825MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

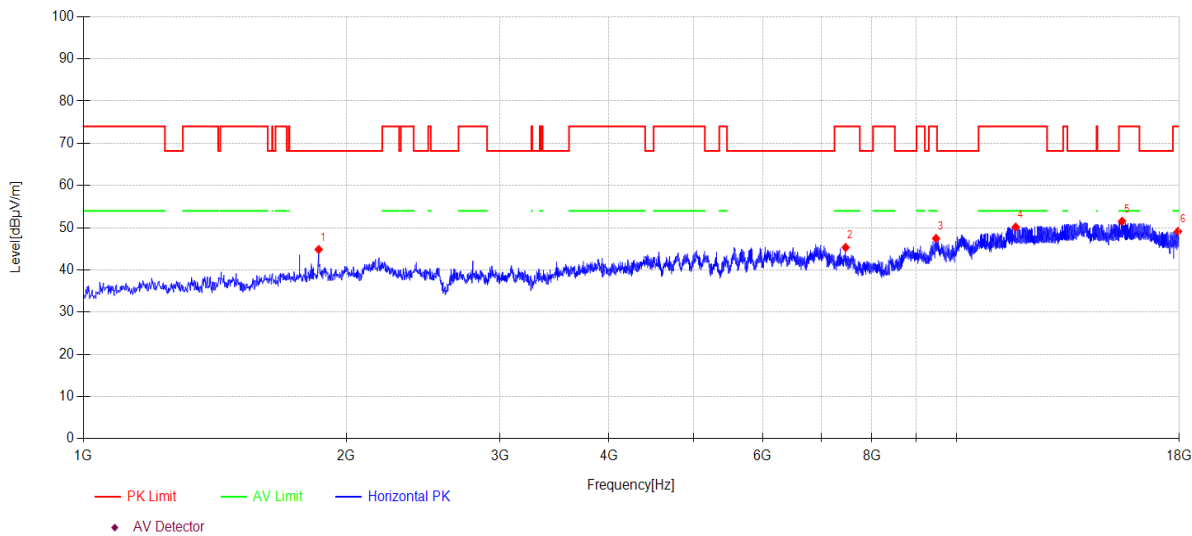
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Memo:

Sample Number:S23111313-02 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	1860.20	50.25	25.82	5.77	-36.99	44.85	68.20	23.35	PK	Horizontal
2	7465.10	41.72	36.57	8.89	-41.86	45.32	74.00	28.68	PK	Horizontal
3	9476.20	38.30	38.70	9.22	-38.76	47.46	74.00	26.54	PK	Horizontal
4	11691.30	40.49	39.00	10.07	-39.41	50.15	74.00	23.85	PK	Horizontal
5	15475.50	38.30	38.85	13.43	-39.05	51.53	74.00	22.47	PK	Horizontal
6	17938.80	36.50	42.09	12.79	-42.26	49.12	74.00	24.88	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:

2024-01-29

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5825MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

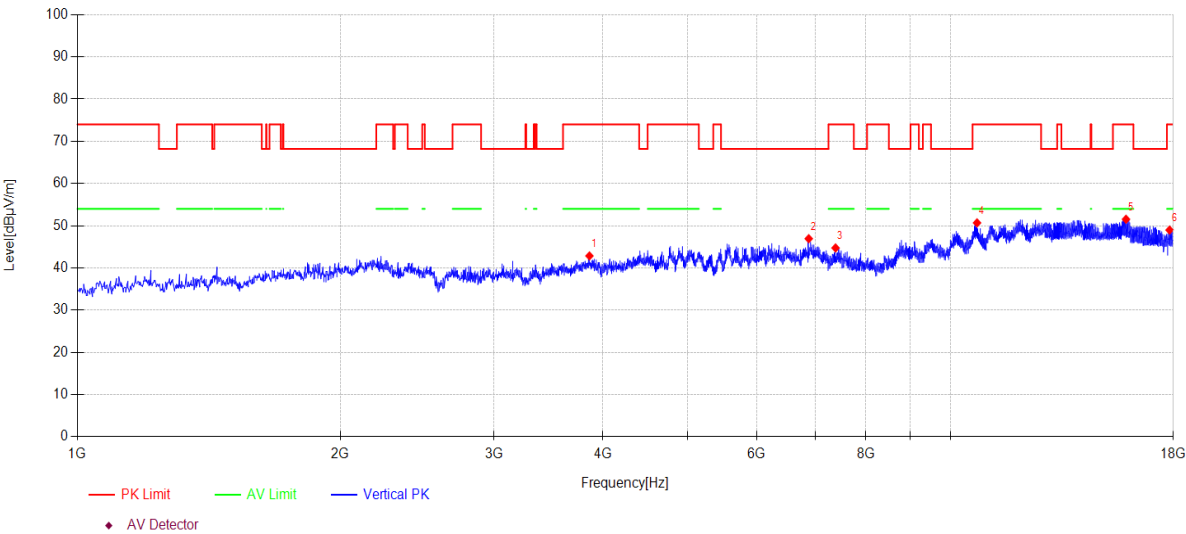
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Memo:

Sample Number:S23111313-02 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	3859.40	46.27	30.96	5.98	-40.36	42.85	74.00	31.15	PK	Vertical
2	6882.00	42.47	36.06	9.01	-40.61	46.93	68.20	21.27	PK	Vertical
3	7385.20	40.77	36.73	8.90	-41.66	44.74	74.00	29.26	PK	Vertical
4	10725.70	40.78	39.40	9.49	-38.99	50.68	74.00	23.32	PK	Vertical
5	15886.90	37.19	38.13	15.50	-39.29	51.53	74.00	22.47	PK	Vertical
6	17821.50	37.26	41.04	12.68	-42.00	48.98	74.00	25.02	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.

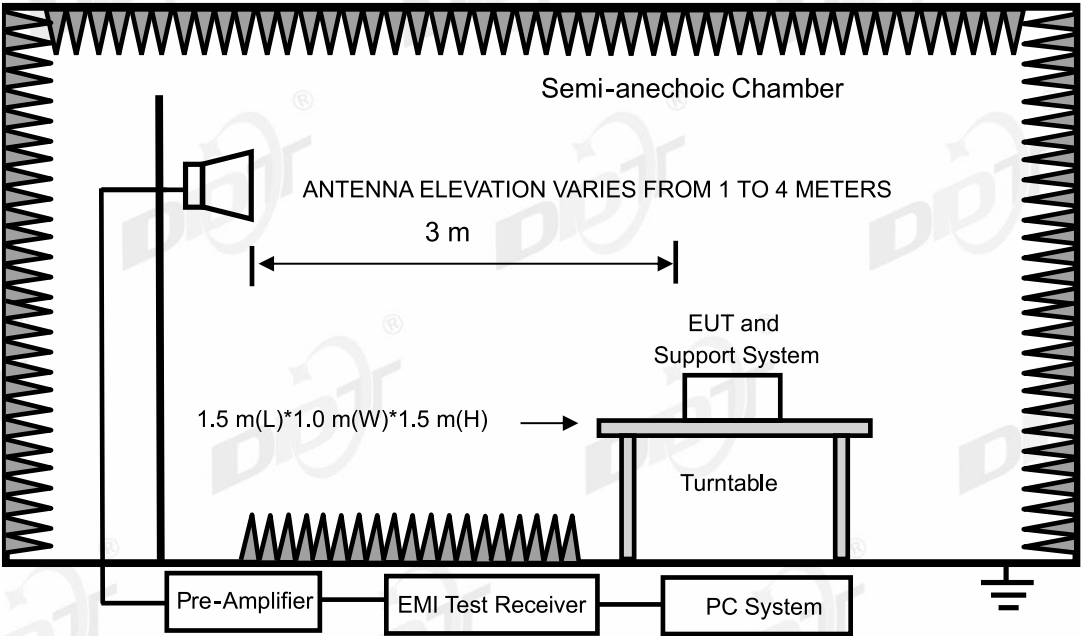
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13.Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2025/09/18
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11

13.2. Block diagram of test setup



13.3. Limits

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating solely in the 5.725-5.850 GHz band:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

13.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.15-5.25 GHz, 5250-5350 GHz, 5470-5725 GHz, 5.725-5.85 GHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11A ANT1 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

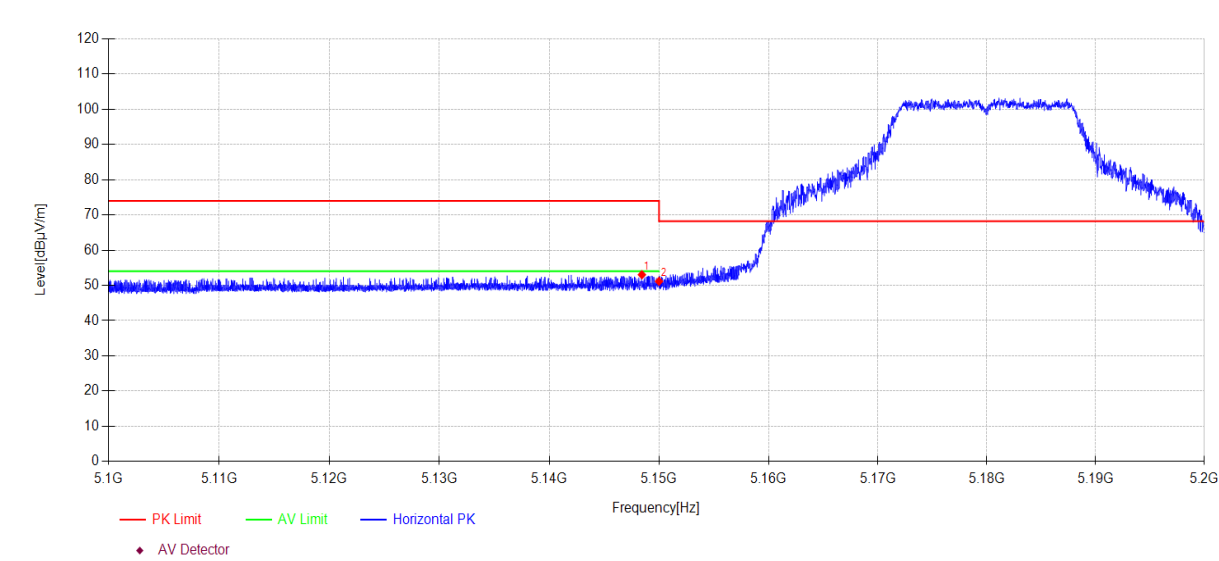
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\135

Memo:

Sample Number:S23111313-02 Power Setting:15

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	5148.44	14.05	33.40	5.58	0.00	53.03	74.00	20.97	PK	Horizontal
2	5150.00	12.18	33.40	5.59	0.00	51.17	68.20	17.03	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11A ANT1 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

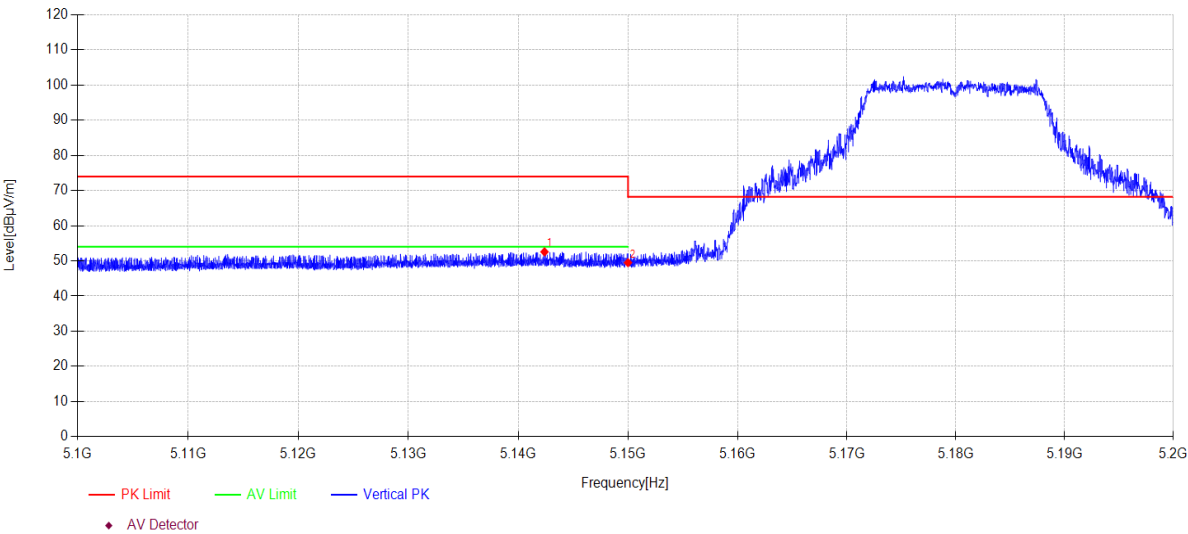
File Path:

d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\136

Memo:

Sample Number:S23111313-02 Power Setting:15

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	5142.39	13.60	33.40	5.58	0.00	52.58	74.00	21.42	PK	Vertical
2	5150.00	10.51	33.40	5.59	0.00	49.50	68.20	18.70	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11A ANT2 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

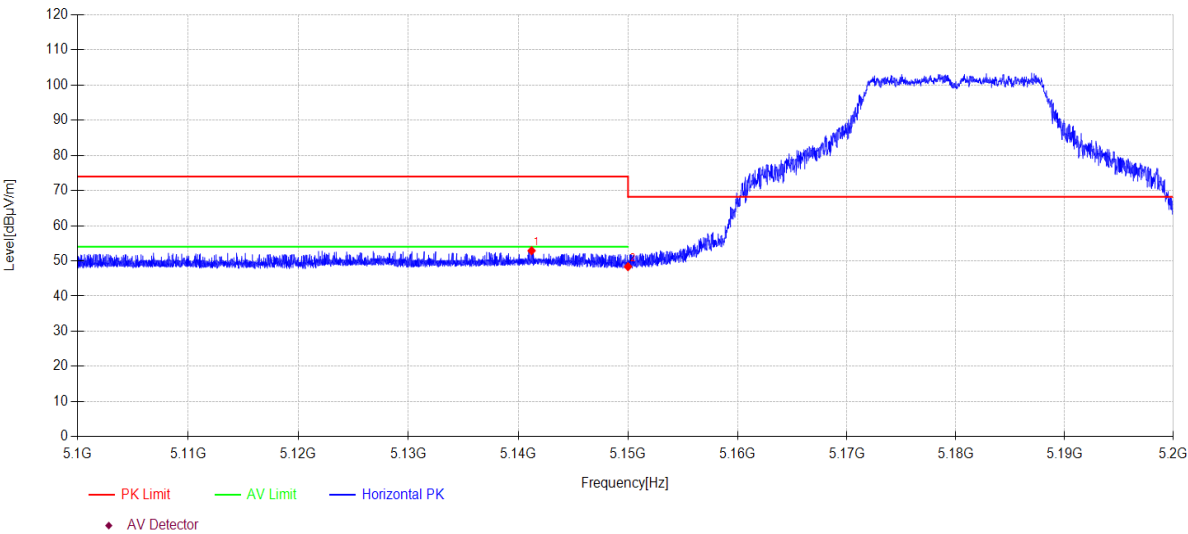
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Memo:

Sample Number:S23111313-02 Power Setting:15

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	5141.21	13.92	33.40	5.58	0.00	52.90	74.00	21.10	PK	Horizontal
2	5150.00	9.37	33.40	5.59	0.00	48.36	68.20	19.84	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11A ANT2 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

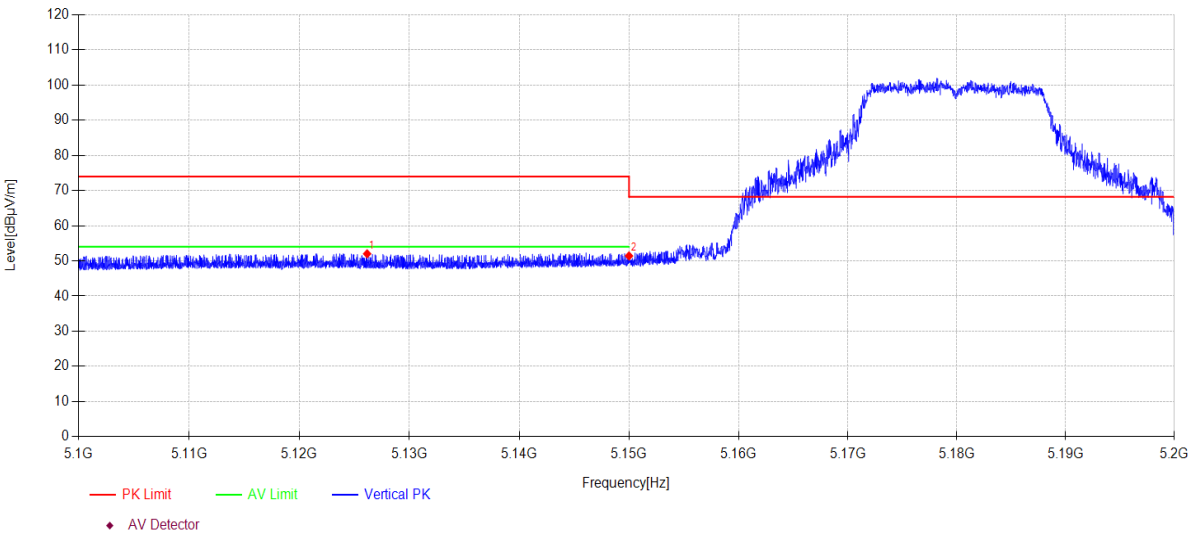
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Memo:

Sample Number:S23111313-02 Power Setting:15

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	5126.16	13.05	33.40	5.57	0.00	52.02	74.00	21.98	PK	Vertical
2	5150.00	12.42	33.40	5.59	0.00	51.41	68.20	16.79	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11N20MIMO 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

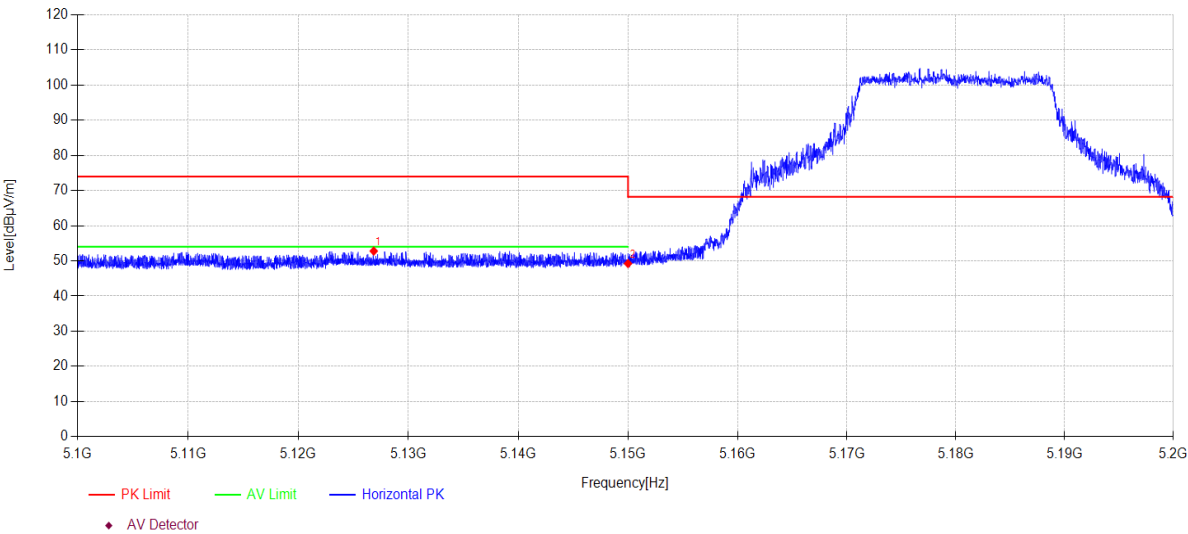
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\139

Memo:

Sample Number:S23111313-02 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	5126.85	13.83	33.40	5.57	0.00	52.80	74.00	21.20	PK	Horizontal
2	5150.00	10.26	33.40	5.59	0.00	49.25	68.20	18.95	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11N20MIMO 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

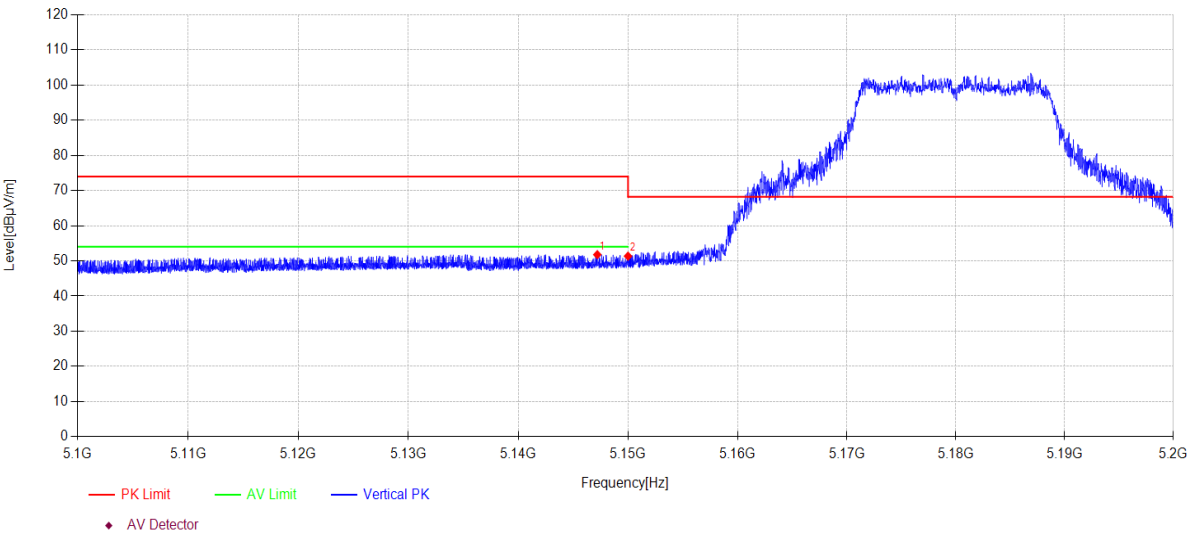
File Path:

d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\140

Memo:

Sample Number:S23111313-02 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	5147.20	12.80	33.40	5.58	0.00	51.78	74.00	22.22	PK	Vertical
2	5150.00	12.36	33.40	5.59	0.00	51.35	68.20	16.85	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC20MIMO 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

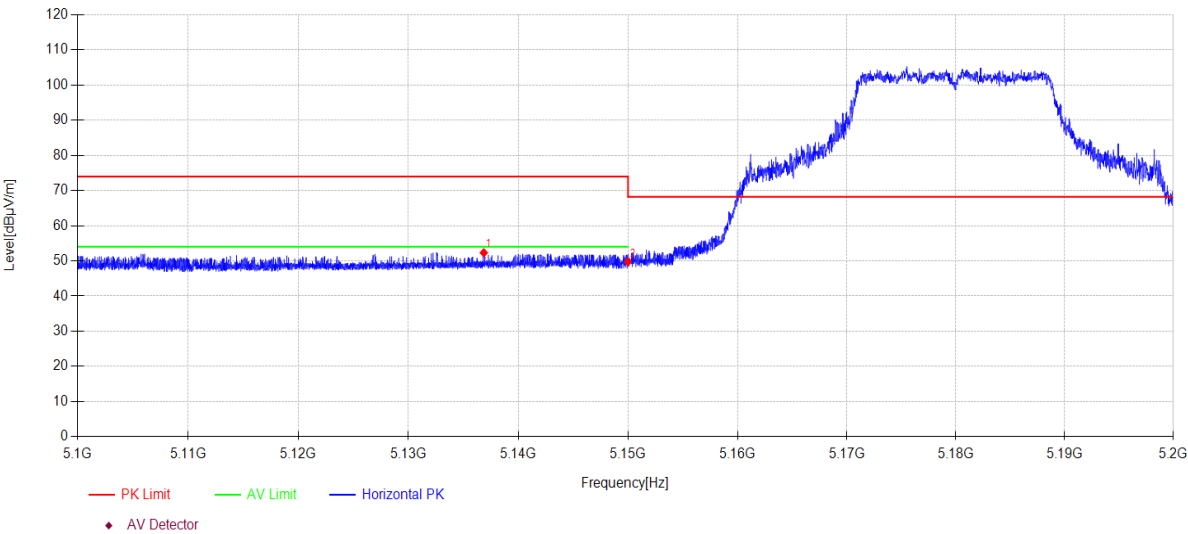
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\141

Memo:

Sample Number:S23111313-02 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	5136.86	13.35	33.40	5.58	0.00	52.33	74.00	21.67	PK	Horizontal
2	5150.00	10.76	33.40	5.59	0.00	49.75	68.20	18.45	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC20MIMO 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

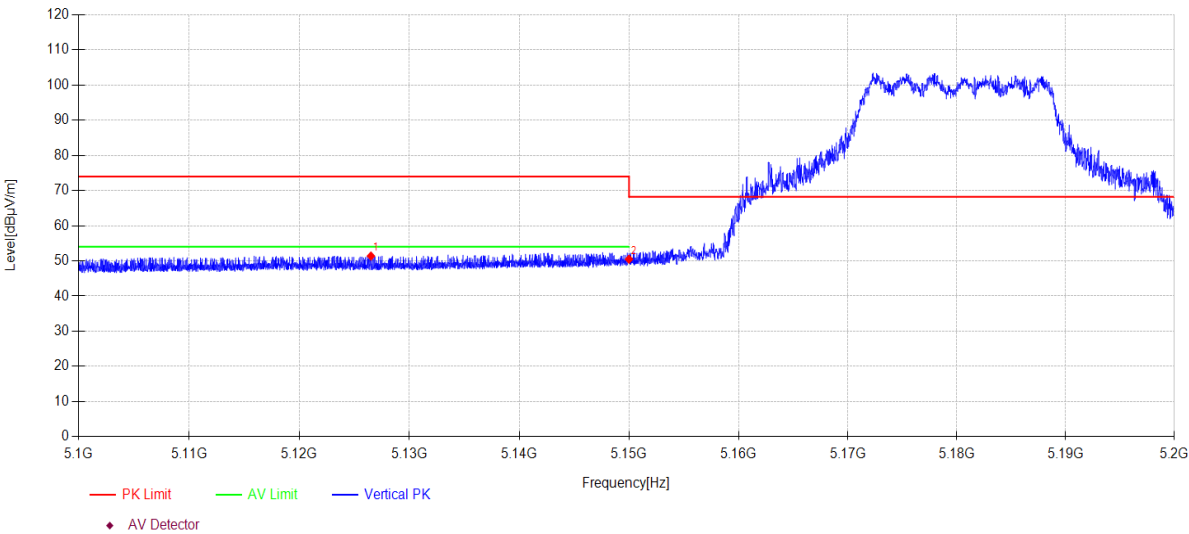
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\142

Memo:

Sample Number:S23111313-02 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	5126.51	12.41	33.40	5.57	0.00	51.38	74.00	22.62	PK	Vertical
2	5150.00	11.50	33.40	5.59	0.00	50.49	68.20	17.71	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

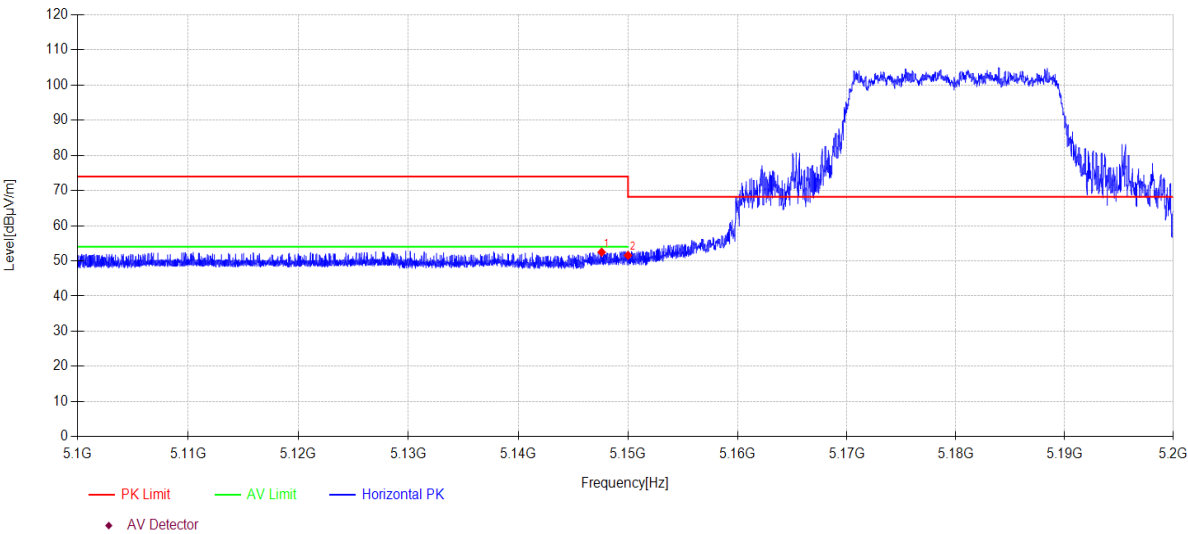
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\143

Memo:

Sample Number:S23111313-02 Power Setting:13

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	5147.60	13.49	33.40	5.58	0.00	52.47	74.00	21.53	PK	Horizontal
2	5150.00	12.58	33.40	5.59	0.00	51.57	68.20	16.63	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

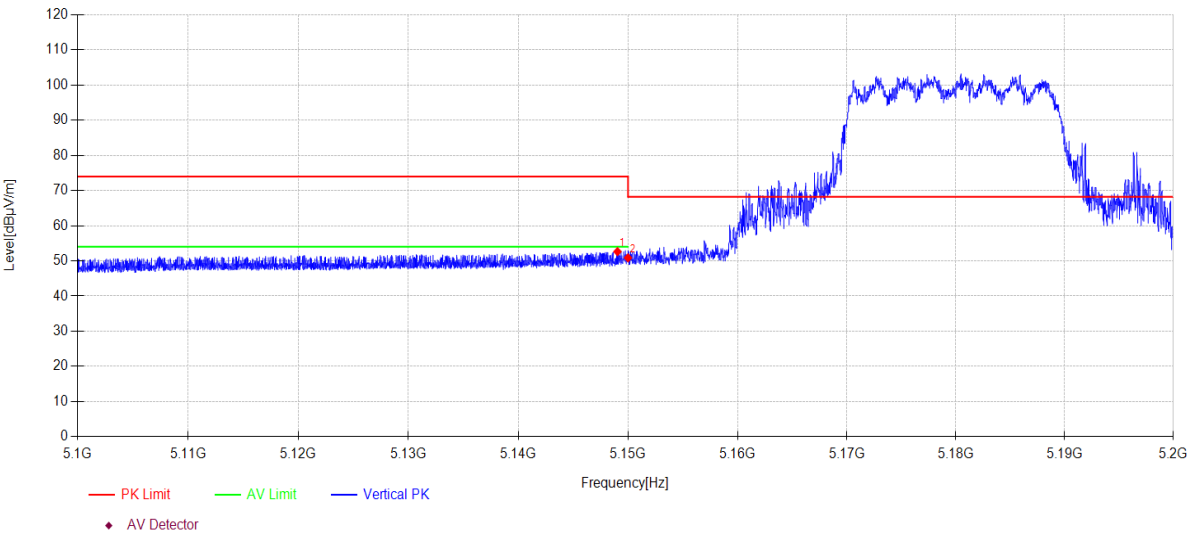
File Path:

d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\144

Memo:

Sample Number:S23111313-02 Power Setting:13

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	5149.04	13.66	33.40	5.58	0.00	52.64	74.00	21.36	PK	Vertical
2	5150.00	11.89	33.40	5.59	0.00	50.88	68.20	17.32	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:

2024-01-30

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO RU0 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

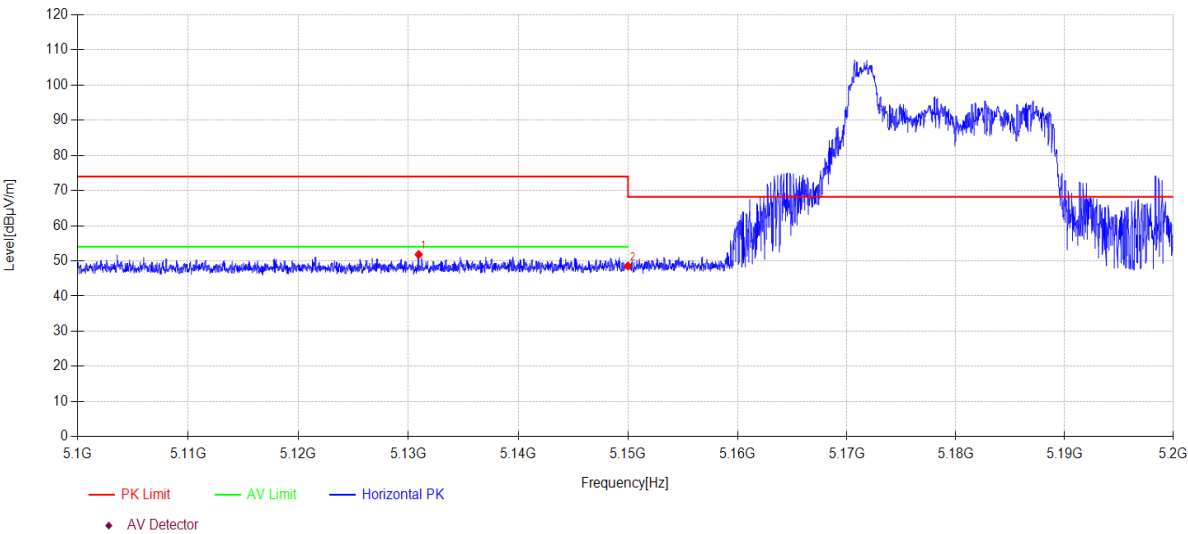
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\145

Memo:

Sample Number:S23111313-02 Power Setting:5

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	5130.94	12.82	33.40	5.58	0.00	51.80	74.00	22.20	PK	Horizontal
2	5150.00	9.57	33.40	5.59	0.00	48.56	68.20	19.64	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:

2024-01-30

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX20MIMO RU0 5180MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

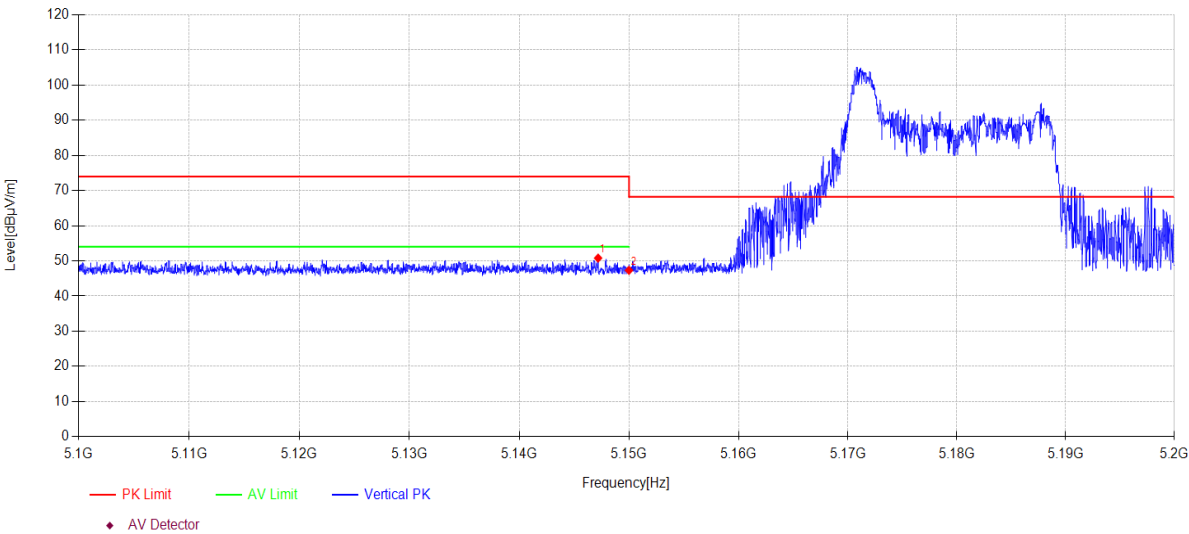
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Memo:

Sample Number:S23111313-02 Power Setting:5

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	5147.18	11.82	33.40	5.58	0.00	50.80	74.00	23.20	PK	Vertical
2	5150.00	8.33	33.40	5.59	0.00	47.32	68.20	20.88	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11N40MIMO 5190MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

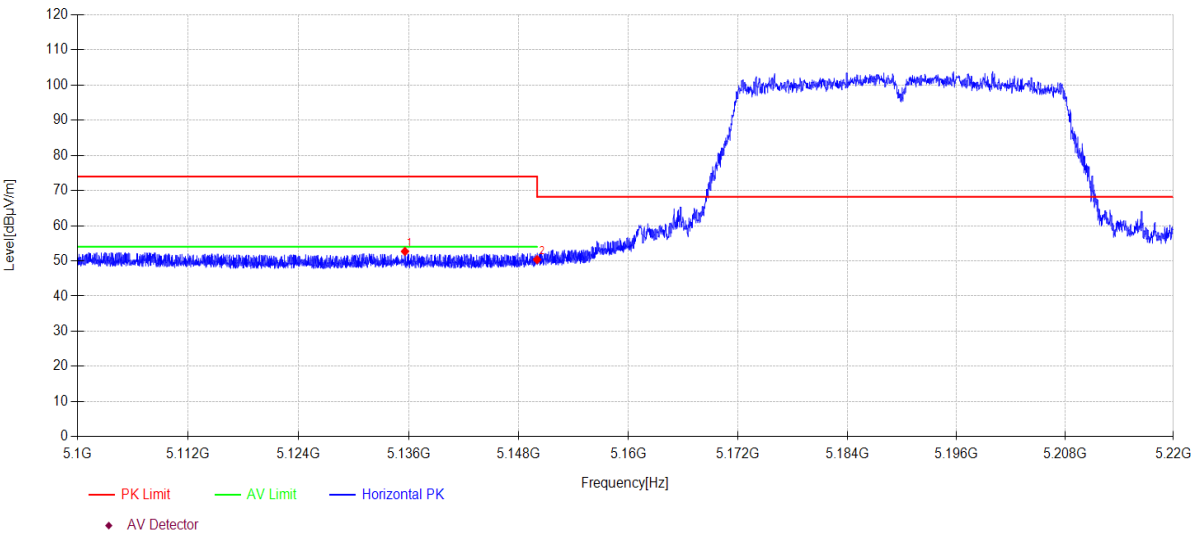
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Memo:

Sample Number:S23111313-02 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	5135.58	13.72	33.40	5.58	0.00	52.70	74.00	21.30	PK	Horizontal
2	5150.00	11.37	33.40	5.59	0.00	50.36	68.20	17.84	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11N40MIMO 5190MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

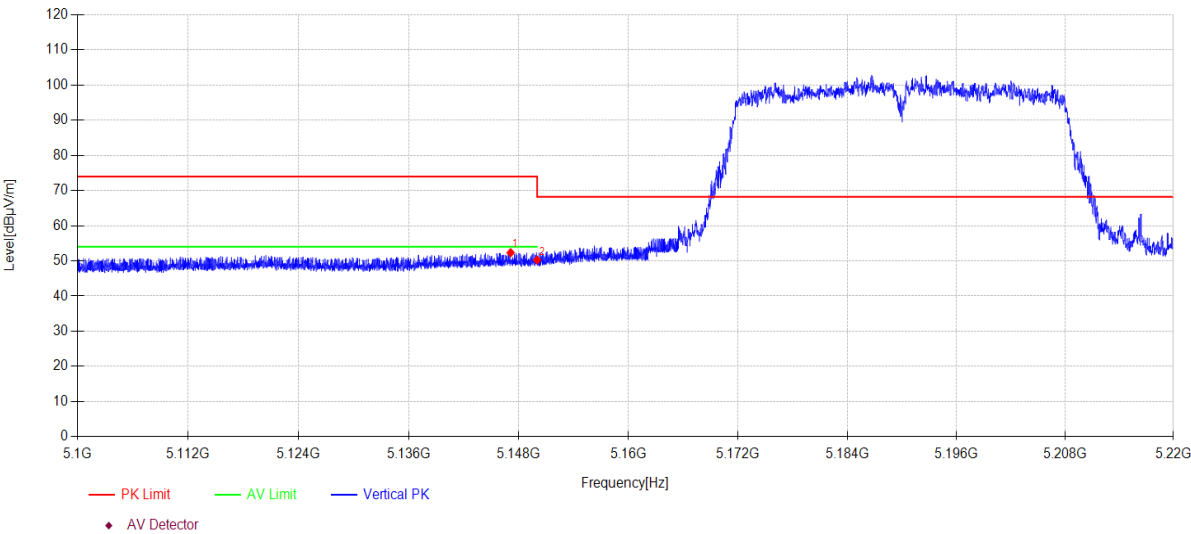
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\148

Memo:

Sample Number:S23111313-02 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	5147.11	13.36	33.40	5.58	0.00	52.34	74.00	21.66	PK	Vertical
2	5150.00	11.27	33.40	5.59	0.00	50.26	68.20	17.94	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC40MIMO 5190MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

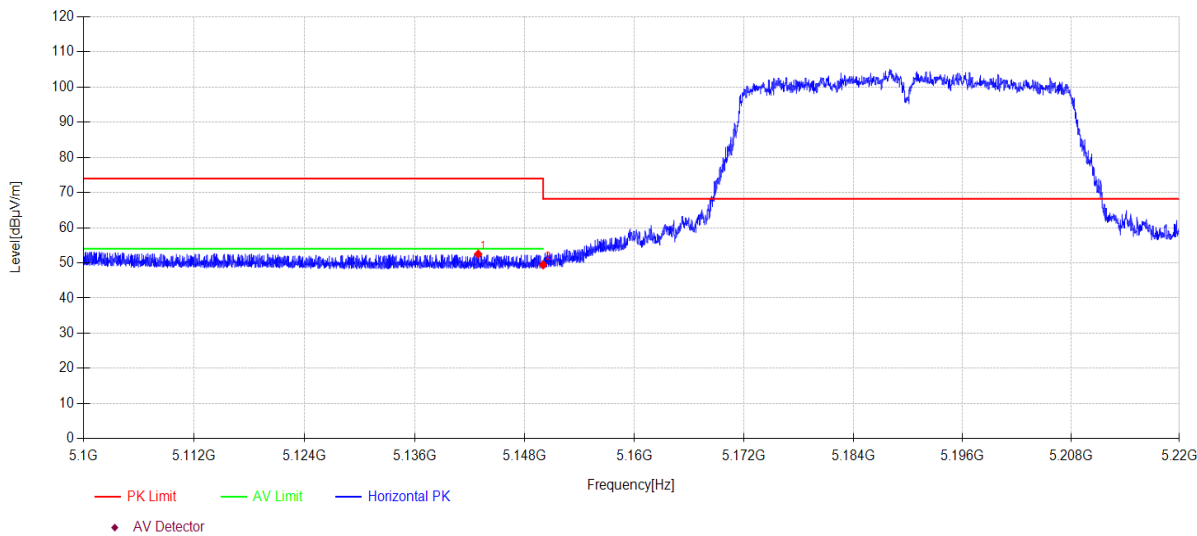
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\149

Memo:

Sample Number:S23111313-02 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	5142.91	13.52	33.40	5.58	0.00	52.50	74.00	21.50	PK	Horizontal
2	5150.00	10.47	33.40	5.59	0.00	49.46	68.20	18.74	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC40MIMO 5190MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

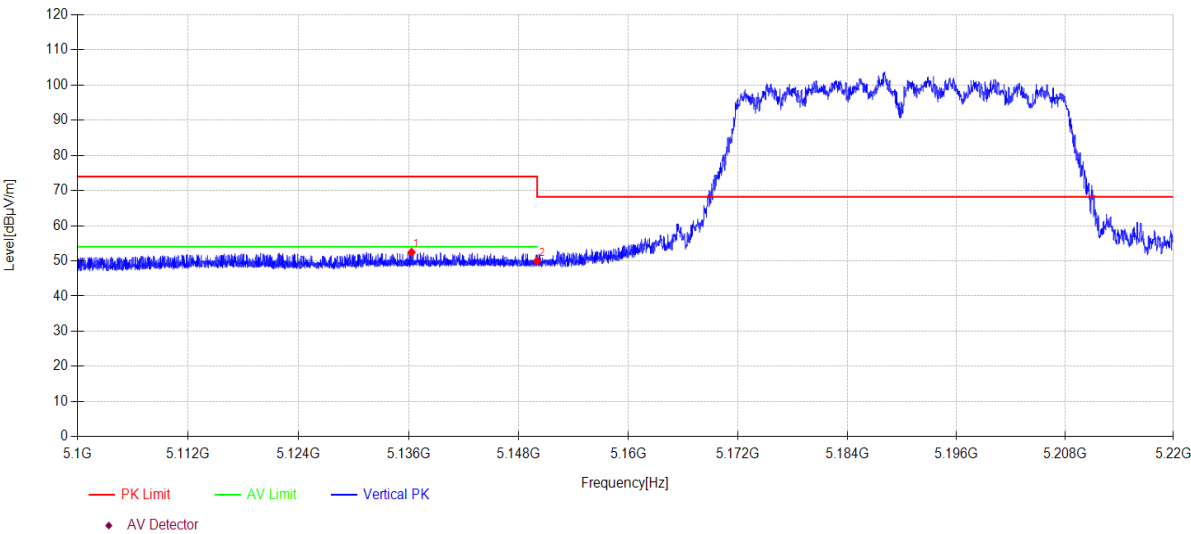
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Memo:

Sample Number:S23111313-02 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	5136.30	13.47	33.40	5.58	0.00	52.45	74.00	21.55	PK	Vertical
2	5150.00	10.99	33.40	5.59	0.00	49.98	68.20	18.22	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX40MIMO 5190MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

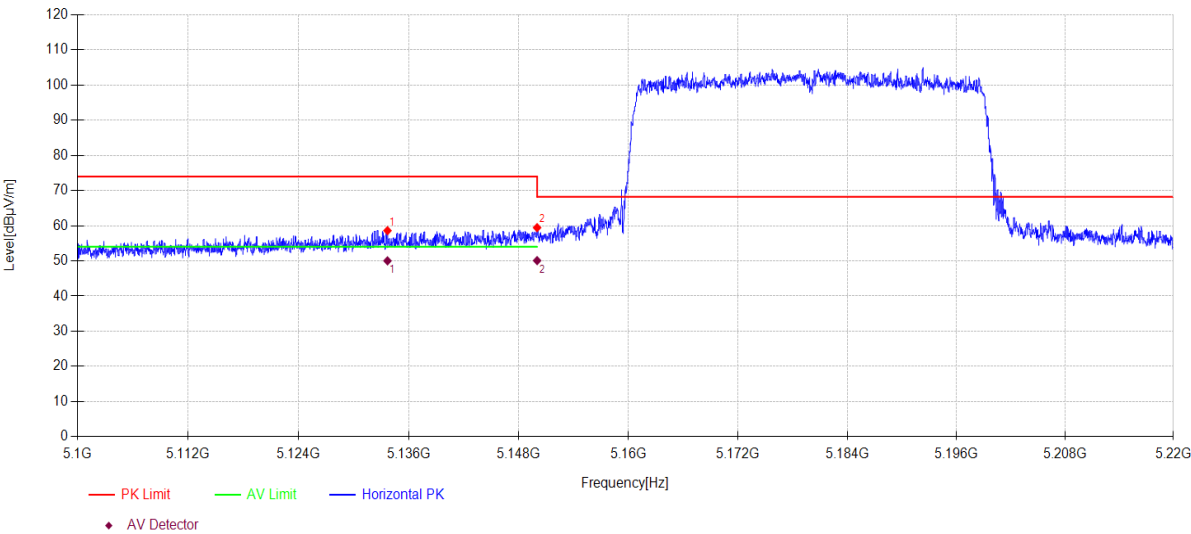
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Memo:

Sample Number:S23111313-02 Power Setting:15

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	5133.67	19.63	33.40	5.58	0.00	58.61	74.00	15.39	PK	Horizontal
2	5150.00	20.46	33.40	5.59	0.00	59.45	68.20	8.75	PK	Horizontal

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	5133.67	11.04	33.40	5.58	0.00	50.02	54.00	3.98	AV	Horizontal
2	5150.00	11.10	33.40	5.59	0.00	50.09	54.00	3.91	AV	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: 2024-02-01 Tested By: Bairong

EUT: Wireless Speaker Model Number: CHARGE 5 Wi-Fi

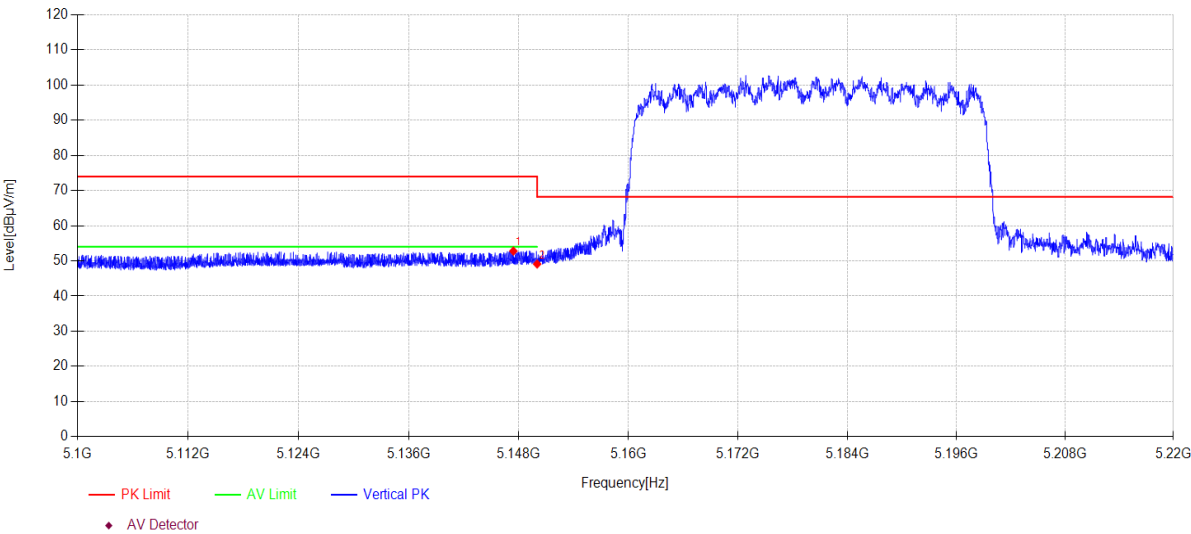
Test Mode: 11AX40MIMO 5190MHz TX Power Supply: AC 120V/60Hz

Condition: Temp:21.5°C;Humi:39.7% Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\152

Memo: Sample Number:S23111313-02 Power Setting:15

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	5147.41	13.82	33.40	5.58	0.00	52.80	74.00	21.20	PK	Vertical
2	5150.00	10.12	33.40	5.59	0.00	49.11	68.20	19.09	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC80MIMO 5210MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

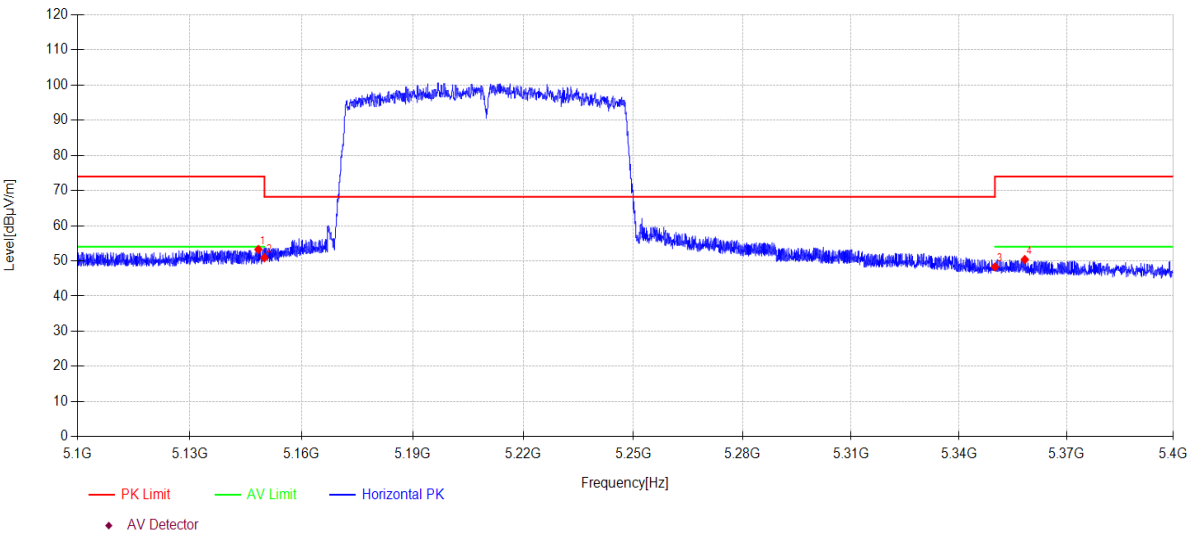
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\153

Memo:

Sample Number:S23111313-02 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	5148.39	14.28	33.40	5.58	0.00	53.26	74.00	20.74	PK	Horizontal
2	5150.00	11.90	33.40	5.59	0.00	50.89	68.20	17.31	PK	Horizontal
3	5350.00	9.49	33.10	5.69	0.00	48.28	74.00	25.72	PK	Horizontal
4	5358.33	11.60	33.10	5.69	0.00	50.39	74.00	23.61	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC80MIMO 5210MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

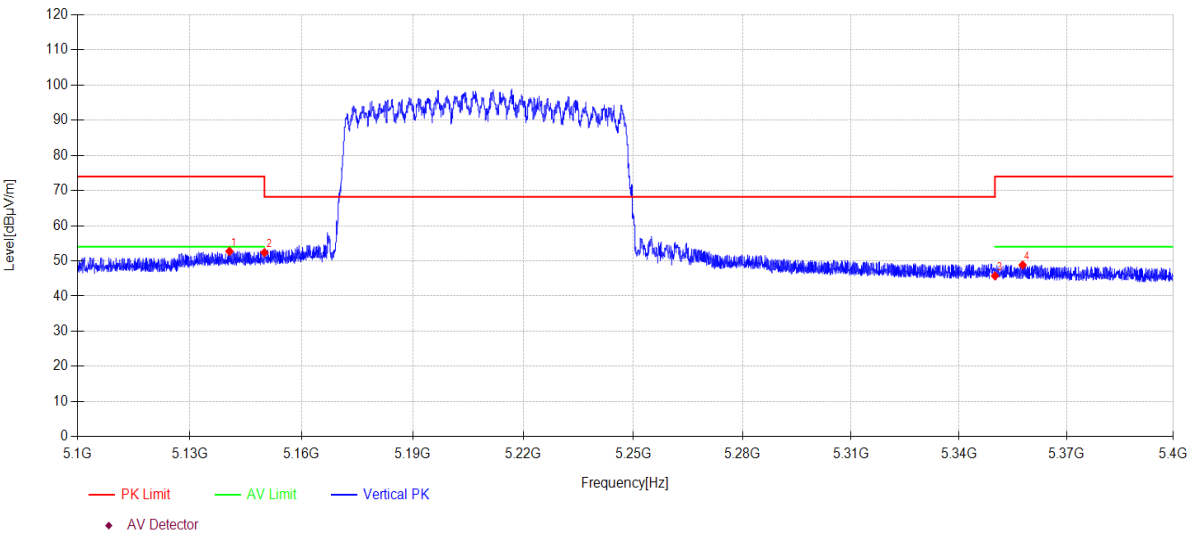
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\154

Memo:

Sample Number:S23111313-02 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	5140.62	13.76	33.40	5.58	0.00	52.74	74.00	21.26	PK	Vertical
2	5150.00	13.39	33.40	5.59	0.00	52.38	68.20	15.82	PK	Vertical
3	5350.00	6.96	33.10	5.69	0.00	45.75	74.00	28.25	PK	Vertical
4	5357.73	10.04	33.10	5.69	0.00	48.83	74.00	25.17	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX80MIMO 5210MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

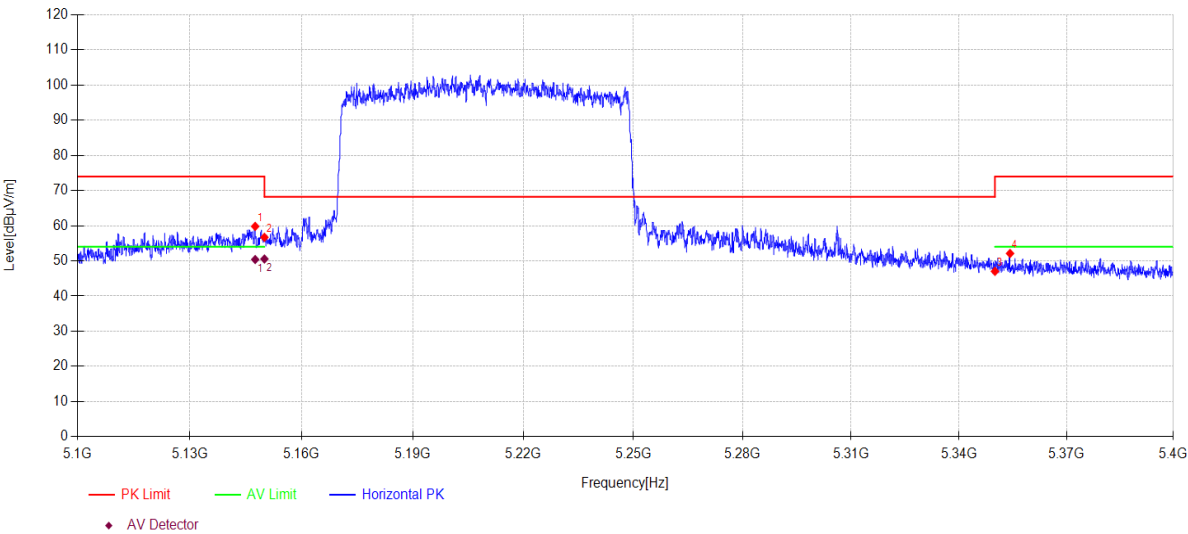
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d:\ts\2024 report data\Q23111313-2E CHARGE 5 Wi-Fi\FCC ABOVE 1G 5GWIFI\155

Memo:

Sample Number:S23111313-02 Power Setting:15

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	5147.52	20.84	33.40	5.58	0.00	59.82	74.00	14.18	PK	Horizontal
2	5150.00	17.71	33.40	5.59	0.00	56.70	68.20	11.50	PK	Horizontal
3	5350.00	8.25	33.10	5.69	0.00	47.04	74.00	26.96	PK	Horizontal
4	5354.22	13.33	33.10	5.69	0.00	52.12	74.00	21.88	PK	Horizontal

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	5147.52	11.41	33.40	5.58	0.00	50.39	54.00	3.61	AV	Horizontal
2	5150.00	11.55	33.40	5.59	0.00	50.54	54.00	3.46	AV	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AX80MIMO 5210MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

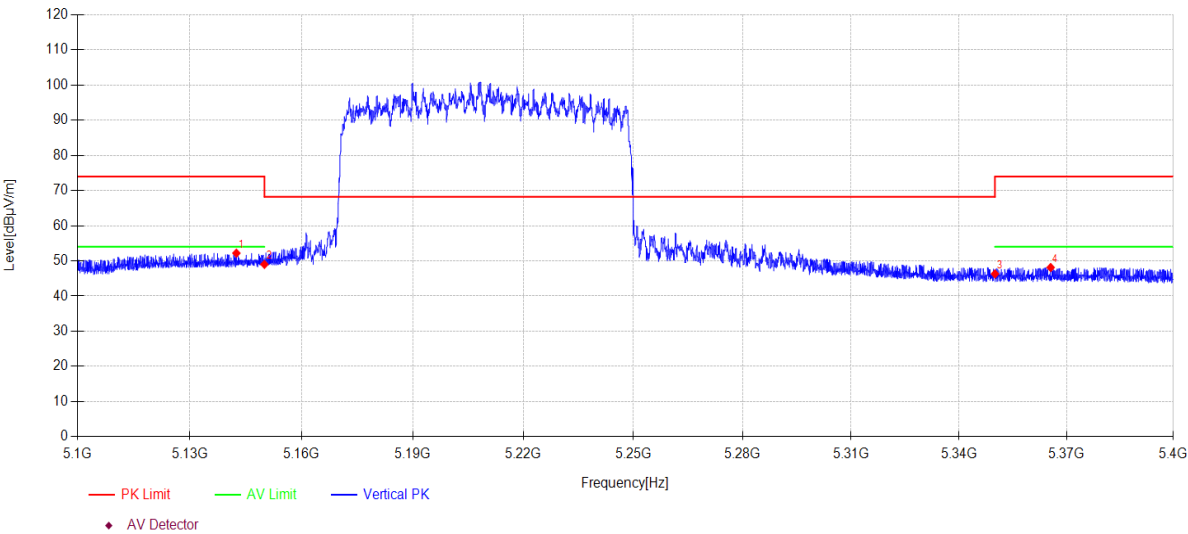
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Memo:

Sample Number:S23111313-02 Power Setting:15

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	5142.48	13.23	33.40	5.58	0.00	52.21	74.00	21.79	PK	Vertical
2	5150.00	10.02	33.40	5.59	0.00	49.01	68.20	19.19	PK	Vertical
3	5350.00	7.52	33.10	5.69	0.00	46.31	74.00	27.69	PK	Vertical
4	5365.56	9.34	33.10	5.69	0.00	48.13	74.00	25.87	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC80MIMO 5290MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

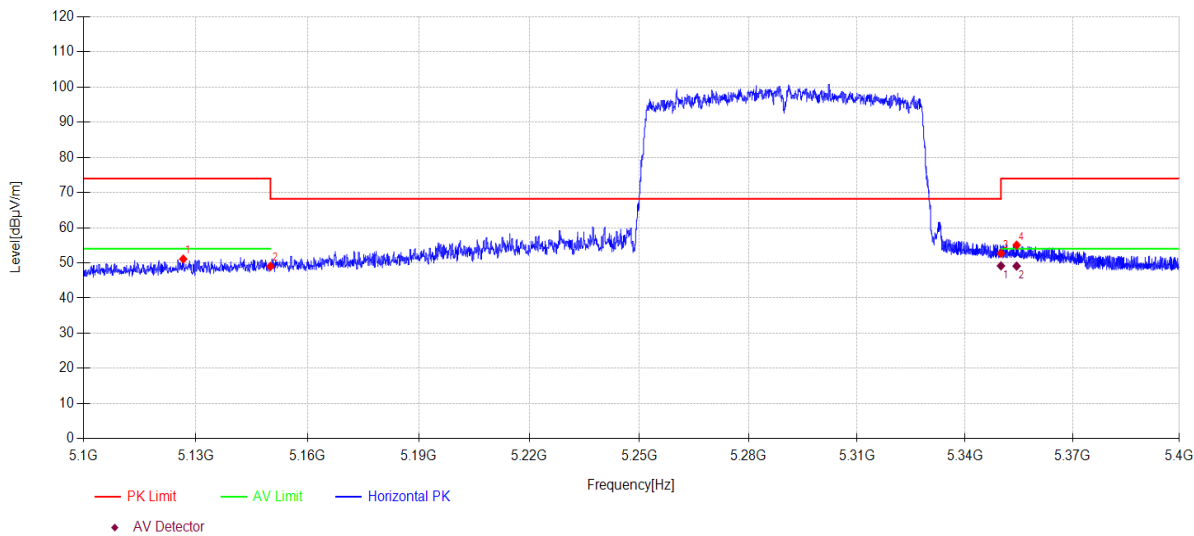
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Memo:

Sample Number:S23111313-02 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	5126.64	12.13	33.40	5.57	0.00	51.10	74.00	22.90	PK	Horizontal
2	5150.00	10.02	33.40	5.59	0.00	49.01	68.20	19.19	PK	Horizontal
3	5350.00	13.93	33.10	5.69	0.00	52.72	74.00	21.28	PK	Horizontal
4	5354.37	16.28	33.10	5.69	0.00	55.07	74.00	18.93	PK	Horizontal

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	10.37	33.10	5.69	0.00	49.16	54.00	4.84	AV	Horizontal
2	5354.37	10.30	33.10	5.69	0.00	49.09	54.00	4.91	AV	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:

2024-02-01

Tested By:

Bairong

EUT:

Wireless Speaker

Model Number:

CHARGE 5 Wi-Fi

Test Mode:

11AC80MIMO 5290MHz TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:21.5°C;Humi:39.7%

Test Site:

DDT 3# Chamber

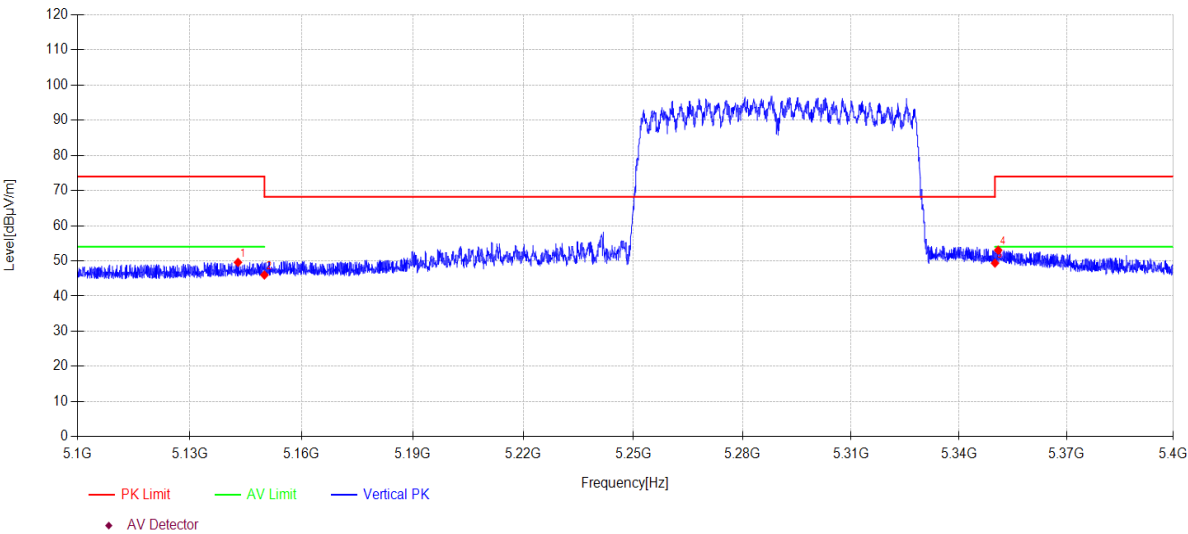
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Memo:

Sample Number:S23111313-02 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	5142.90	10.60	33.40	5.58	0.00	49.58	74.00	24.42	PK	Vertical
2	5150.00	7.00	33.40	5.59	0.00	45.99	68.20	22.21	PK	Vertical
3	5350.00	10.57	33.10	5.69	0.00	49.36	74.00	24.64	PK	Vertical
4	5350.89	14.27	33.10	5.69	0.00	53.06	74.00	20.94	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.