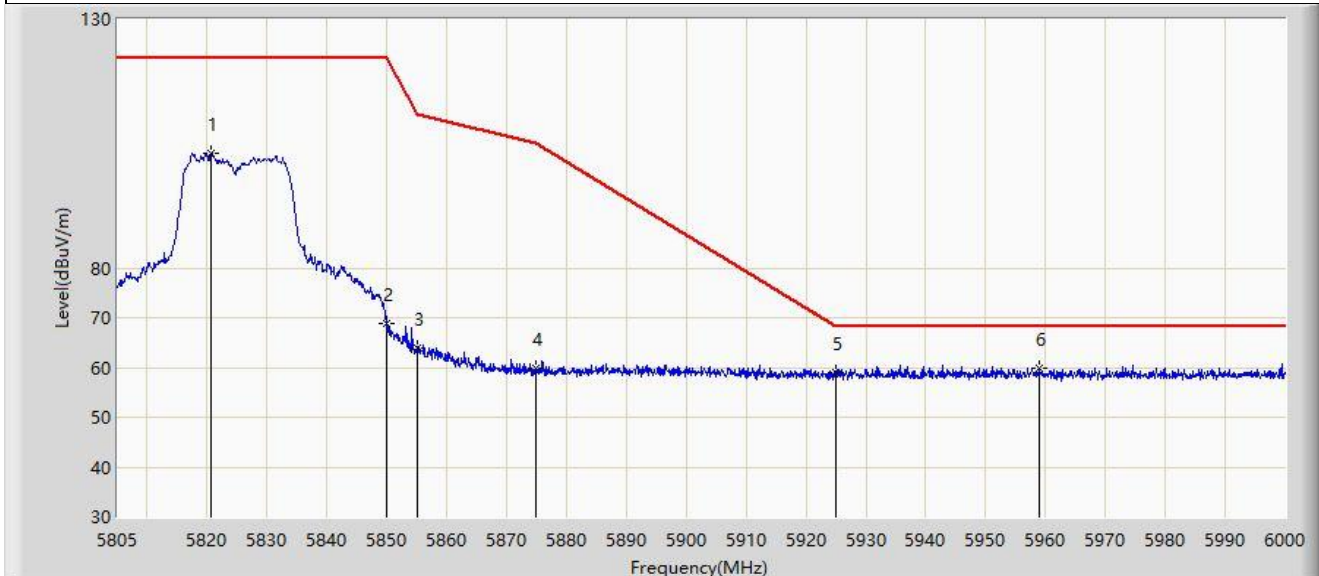


Site: SIP-AC2	Test Date: 2024-04-23
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



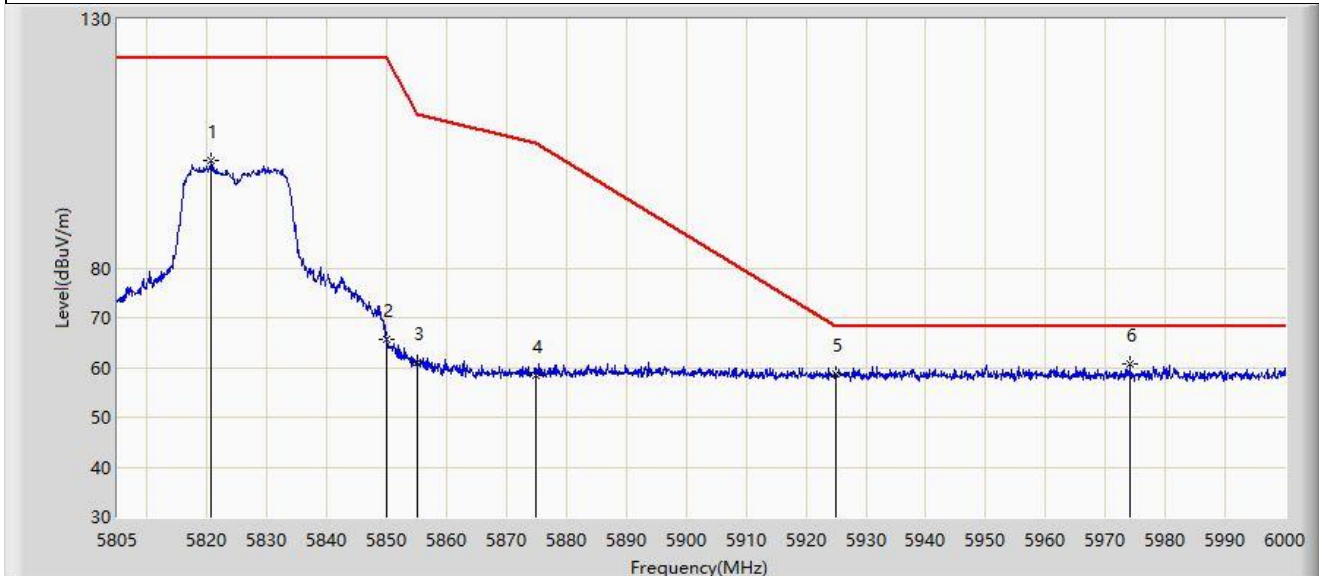
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5820.697	103.062	108.642	N/A	N/A	-5.580	PK
2		5850.000	68.802	74.154	-53.398	122.200	-5.352	PK
3		5855.000	63.898	69.280	-46.902	110.800	-5.382	PK
4		5875.000	59.757	64.783	-45.443	105.200	-5.026	PK
5		5925.000	58.894	64.437	-9.306	68.200	-5.543	PK
6	*	5958.855	59.914	65.273	-8.286	68.200	-5.359	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-23
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at 5825MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5820.697	101.633	107.213	N/A	N/A	-5.580	PK
2		5850.000	65.552	70.904	-56.648	122.200	-5.352	PK
3		5855.000	60.871	66.253	-49.929	110.800	-5.382	PK
4		5875.000	58.280	63.306	-46.920	105.200	-5.026	PK
5		5925.000	58.716	64.259	-9.484	68.200	-5.543	PK
6	*	5974.163	60.756	66.114	-7.444	68.200	-5.357	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-24
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	



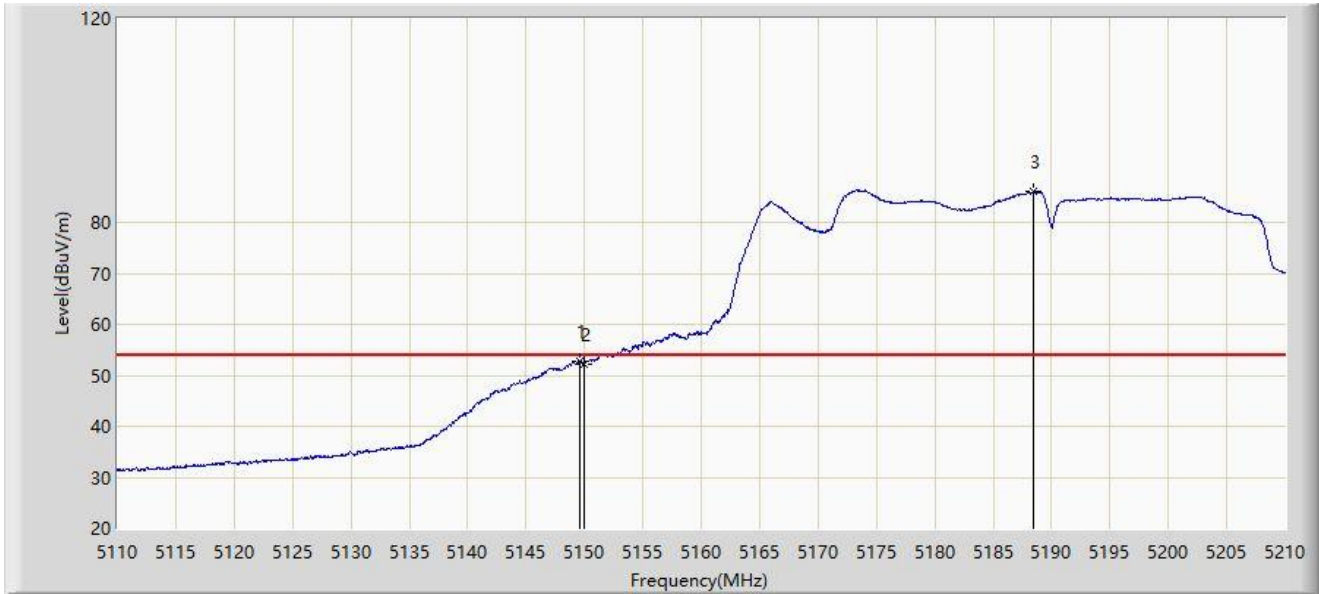
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5148.900	67.471	69.402	-6.529	74.000	-1.931	PK
2		5150.000	63.891	65.615	-10.109	74.000	-1.724	PK
3		5174.050	95.860	48.130	N/A	N/A	47.730	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-24
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	



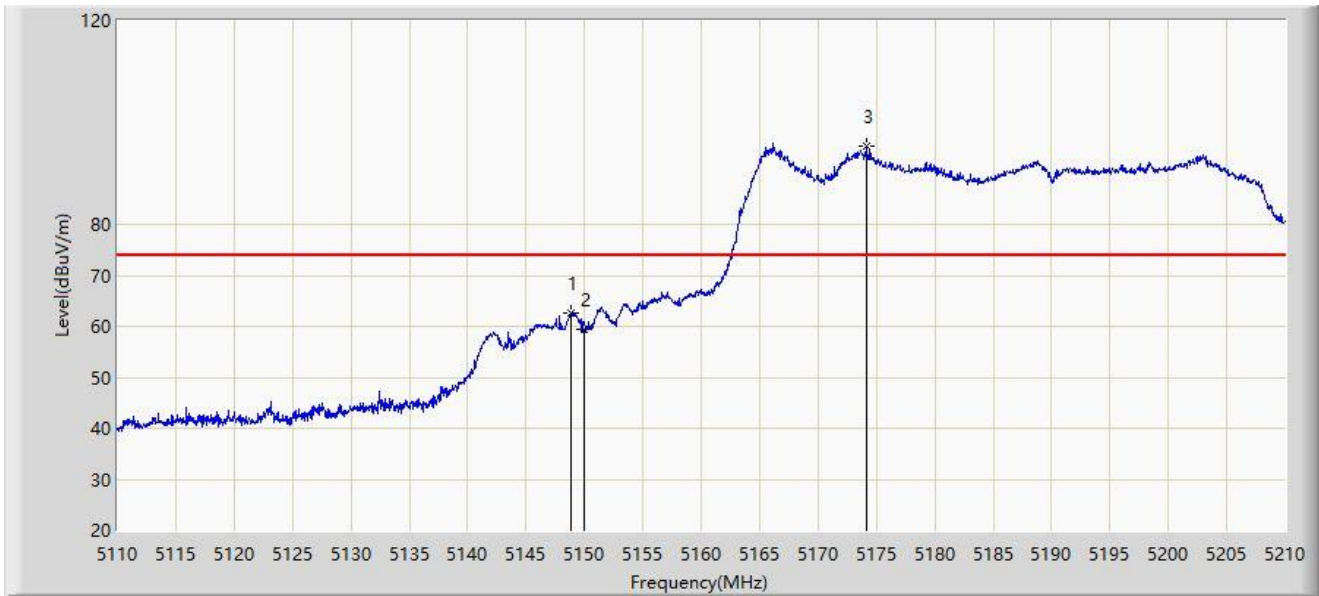
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.550	52.702	54.505	-1.298	54.000	-1.803	AV
2		5150.000	52.281	54.005	-1.719	54.000	-1.724	AV
3		5188.400	85.994	46.836	N/A	N/A	39.159	AV

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

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

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

Site: SIP-AC2	Test Date: 2024-04-24
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	



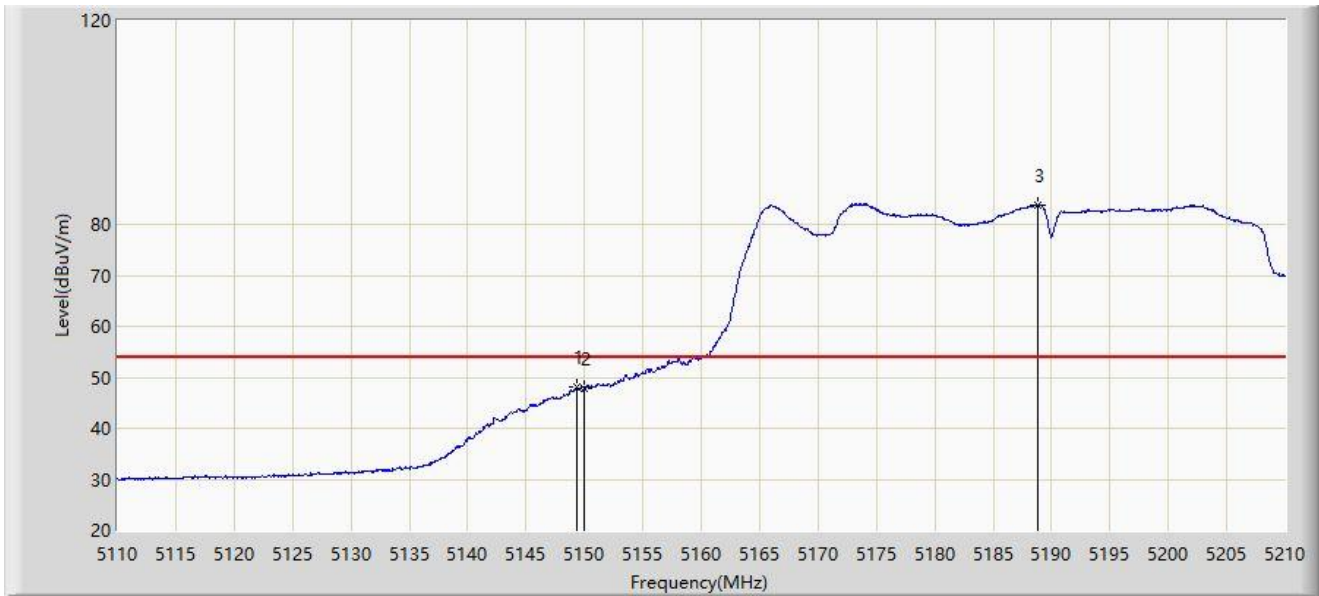
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5148.800	62.712	64.660	-11.288	74.000	-1.948	PK
2		5150.000	59.451	61.175	-14.549	74.000	-1.724	PK
3		5174.150	95.277	47.605	N/A	N/A	47.673	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-24
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5190MHz	



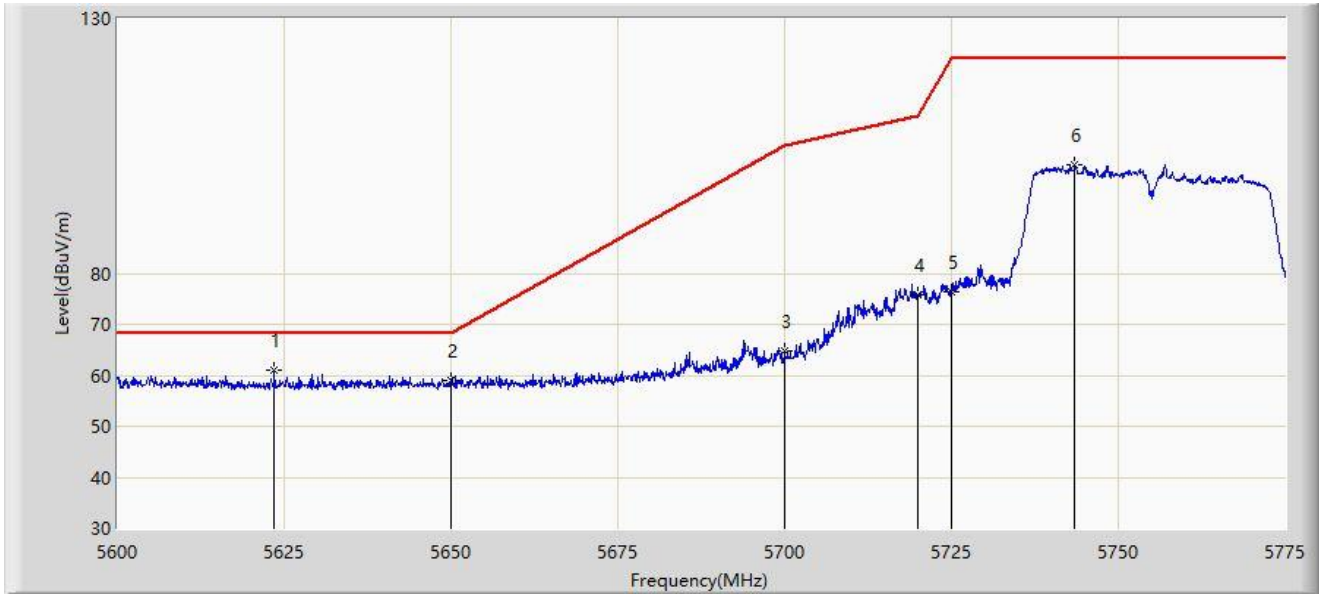
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.300	48.132	49.985	-5.868	54.000	-1.852	AV
2		5150.000	47.750	49.474	-6.250	54.000	-1.724	AV
3		5188.850	83.877	44.115	N/A	N/A	39.762	AV

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

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

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

Site: SIP-AC2	Test Date: 2024-04-24
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5755MHz	



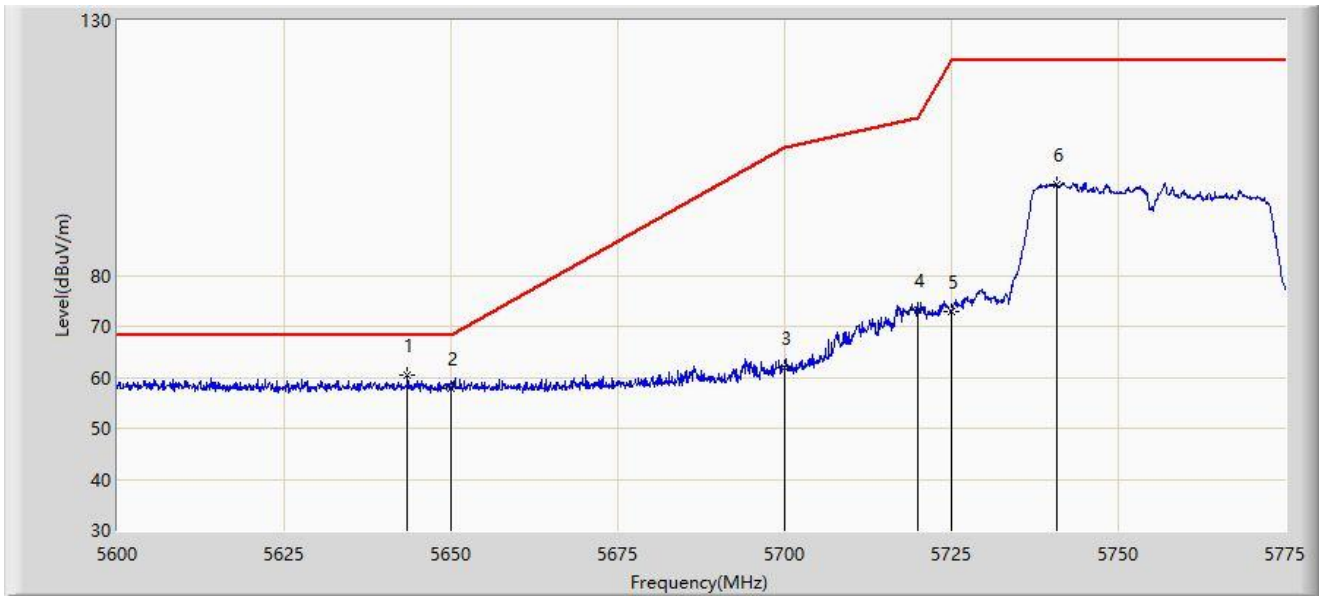
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5623.538	61.085	67.238	-7.115	68.200	-6.153	PK
2		5650.000	58.884	64.871	-9.316	68.200	-5.988	PK
3		5700.000	64.650	70.255	-40.550	105.200	-5.605	PK
4		5720.000	75.742	81.290	-35.058	110.800	-5.549	PK
5		5725.000	76.295	81.767	-45.905	122.200	-5.473	PK
6		5743.413	101.323	106.832	N/A	N/A	-5.508	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-24
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5755MHz	



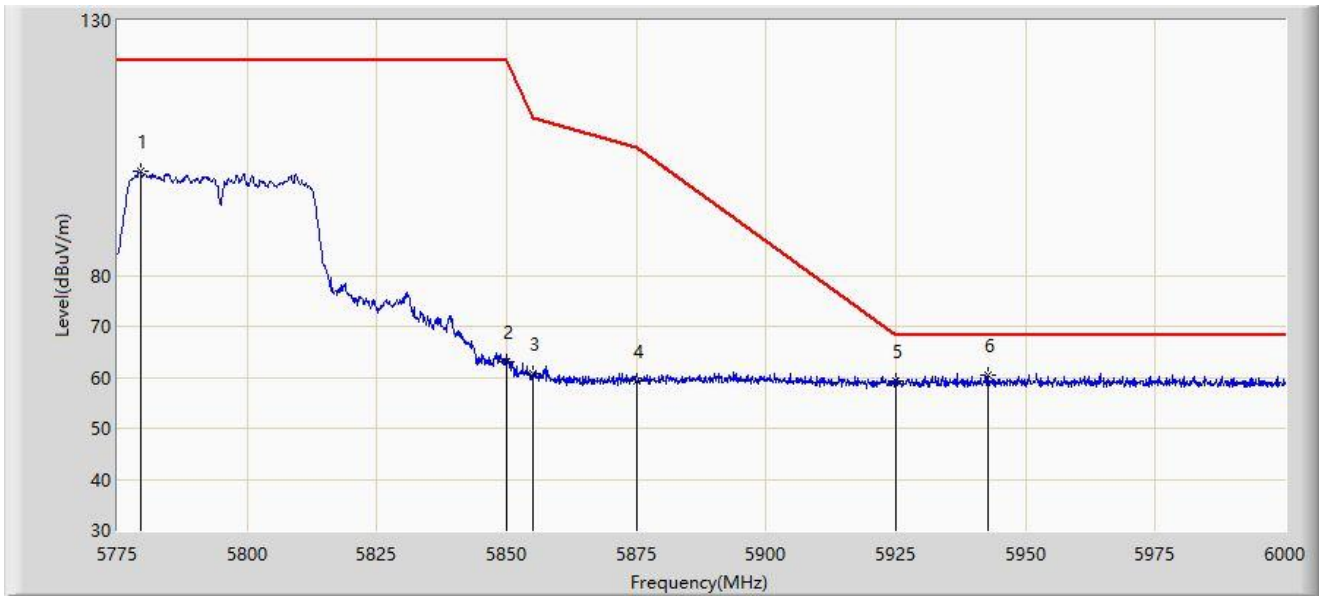
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5643.487	60.463	66.447	-7.737	68.200	-5.984	PK
2		5650.000	57.903	63.890	-10.297	68.200	-5.988	PK
3		5700.000	61.764	67.369	-43.436	105.200	-5.605	PK
4		5720.000	73.333	78.881	-37.467	110.800	-5.549	PK
5		5725.000	73.012	78.484	-49.188	122.200	-5.473	PK
6		5740.700	97.882	103.374	N/A	N/A	-5.492	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-24
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5795MHz	



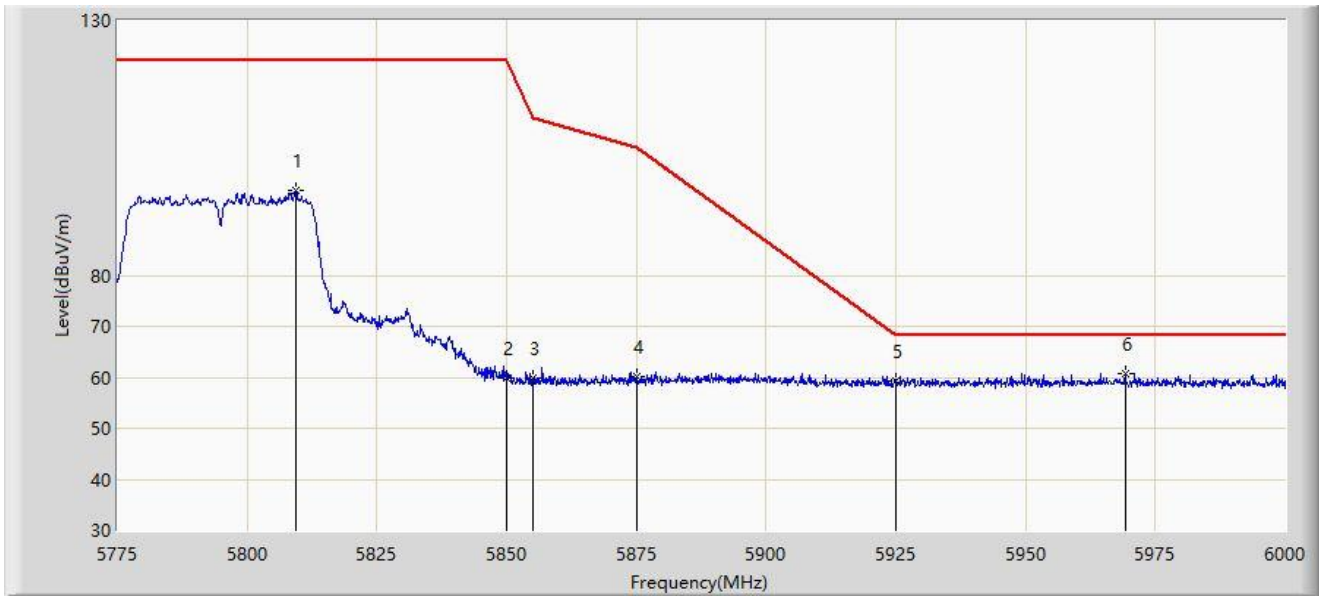
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5779.388	100.474	106.262	N/A	N/A	-5.789	PK
2		5850.000	63.037	68.389	-59.163	122.200	-5.352	PK
3		5855.000	60.618	66.000	-50.182	110.800	-5.382	PK
4		5875.000	59.138	64.164	-46.062	105.200	-5.026	PK
5		5925.000	59.271	64.814	-8.929	68.200	-5.543	PK
6	*	5942.625	60.317	65.783	-7.883	68.200	-5.465	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-24
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at 5795MHz	



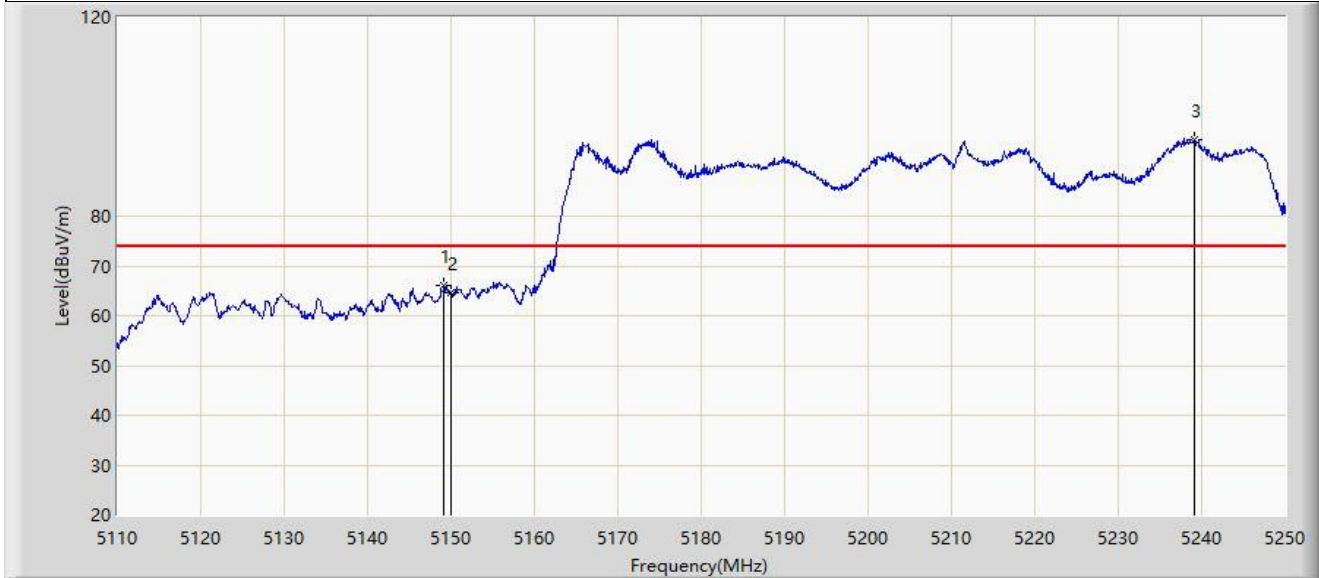
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		5809.425	96.738	102.532	N/A	N/A	-5.794	PK
2		5850.000	59.949	65.301	-62.251	122.200	-5.352	PK
3		5855.000	59.814	65.196	-50.986	110.800	-5.382	PK
4		5875.000	60.035	65.061	-45.165	105.200	-5.026	PK
5		5925.000	59.316	64.859	-8.884	68.200	-5.543	PK
6	*	5969.175	60.672	66.016	-7.528	68.200	-5.343	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-23
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5210MHz	



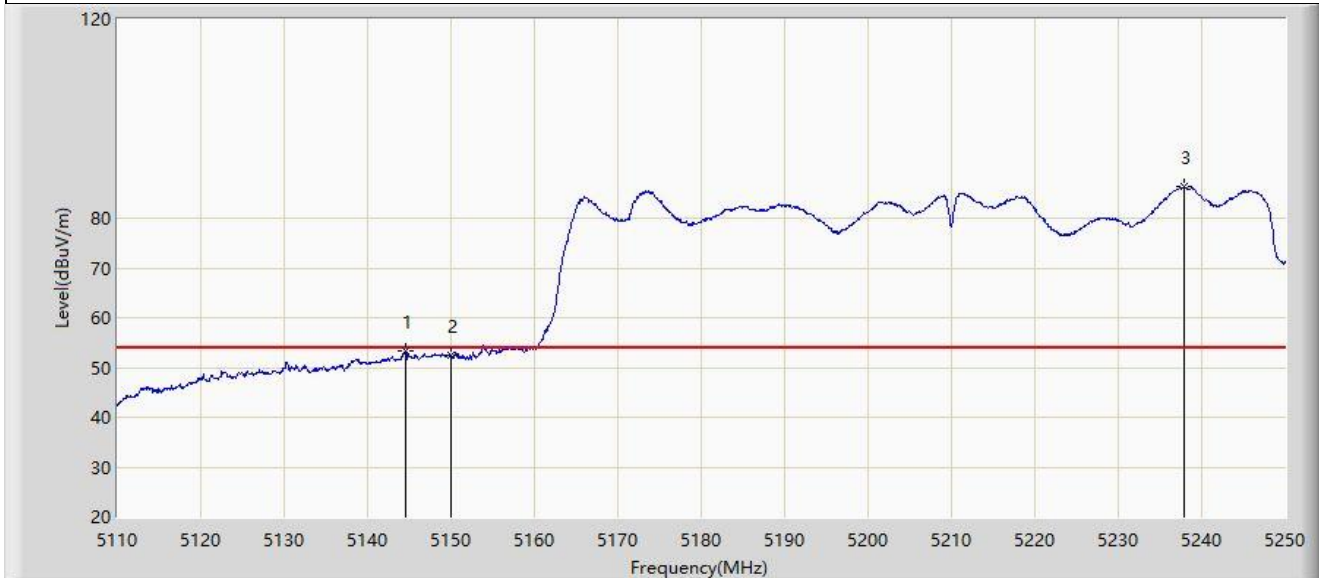
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5149.130	66.125	68.011	-7.875	74.000	-1.886	PK
2		5150.000	64.620	66.344	-9.380	74.000	-1.724	PK
3		5239.080	95.376	46.763	N/A	N/A	48.613	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-23
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5210MHz	



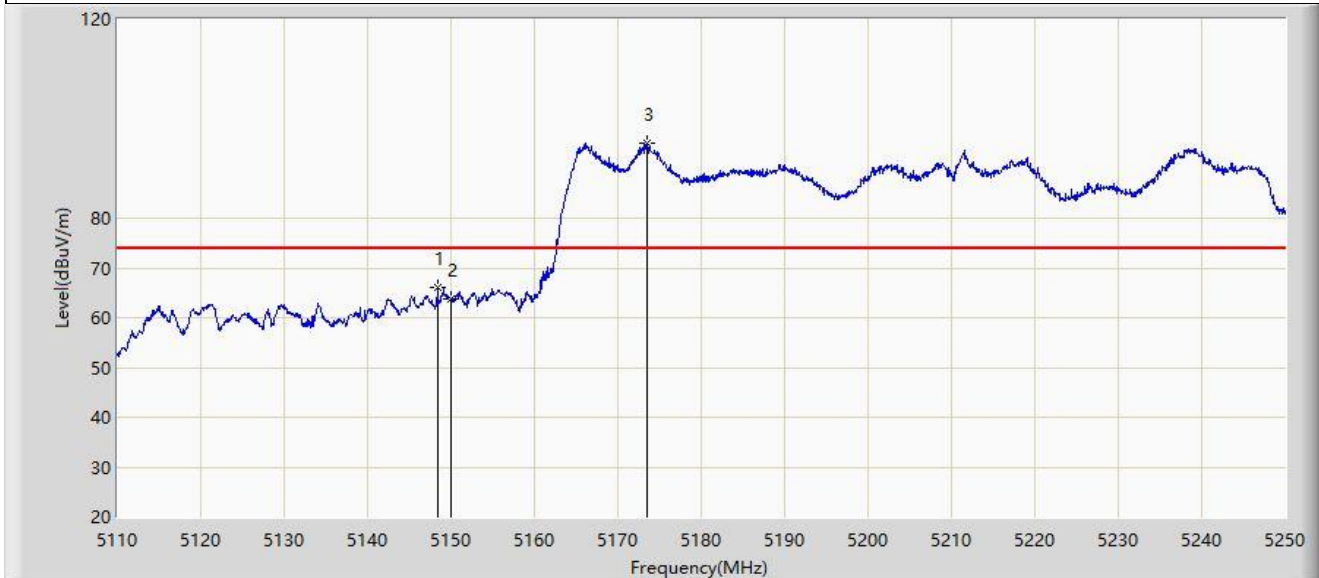
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5144.510	53.459	56.073	-0.541	54.000	-2.615	AV
2		5150.000	52.347	54.071	-1.653	54.000	-1.724	AV
3		5237.960	86.345	38.921	N/A	N/A	47.424	AV

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

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

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

Site: SIP-AC2	Test Date: 2024-04-23
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5210MHz	



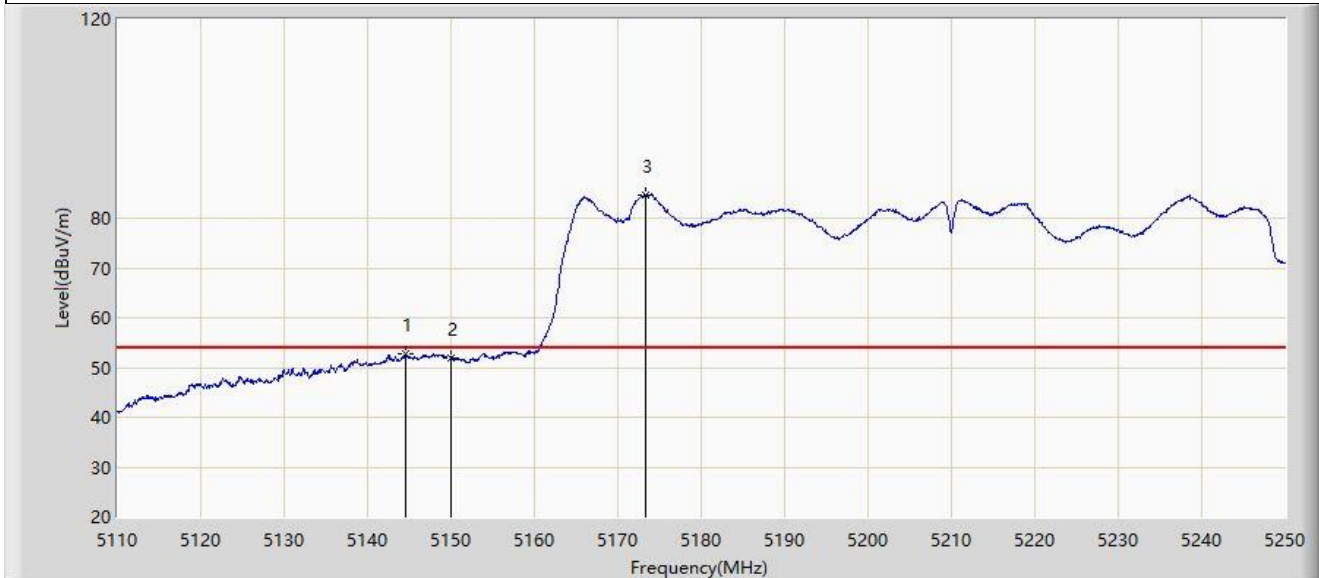
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5148.360	66.068	68.086	-7.932	74.000	-2.018	PK
2		5150.000	63.659	65.383	-10.341	74.000	-1.724	PK
3		5173.490	95.111	47.475	N/A	N/A	47.636	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-23
Limit: FCC_5G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5210MHz	



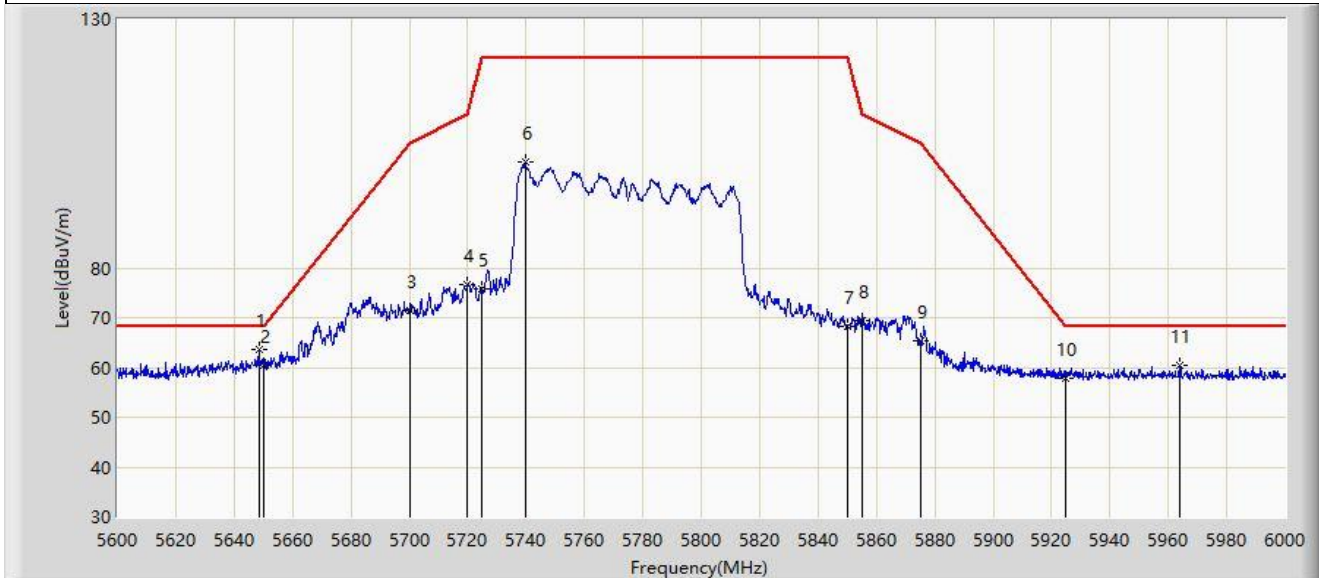
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5144.510	52.708	55.322	-1.292	54.000	-2.615	AV
2		5150.000	51.969	53.693	-2.031	54.000	-1.724	AV
3		5173.350	84.760	37.147	N/A	N/A	47.613	AV

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

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

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

Site: SIP-AC2	Test Date: 2024-04-23
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Horizontal
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5775MHz	



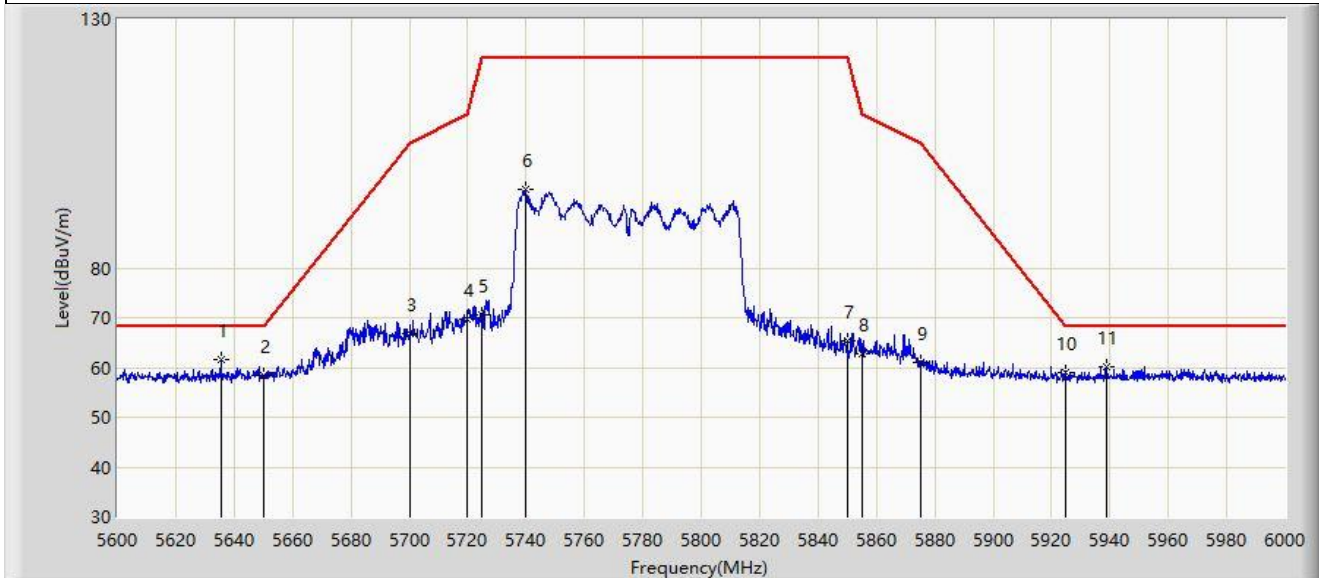
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5648.400	63.596	69.583	-4.604	68.200	-5.987	PK
2		5650.000	60.508	66.495	-7.692	68.200	-5.988	PK
3		5700.000	71.441	77.046	-33.759	105.200	-5.605	PK
4		5720.000	76.674	82.222	-34.126	110.800	-5.549	PK
5		5725.000	75.838	81.310	-46.362	122.200	-5.473	PK
6		5739.600	101.298	106.787	N/A	N/A	-5.489	PK
7		5850.000	68.325	73.677	-53.875	122.200	-5.352	PK
8		5855.000	69.513	74.895	-41.287	110.800	-5.382	PK
9		5875.000	65.459	70.485	-39.741	105.200	-5.026	PK
10		5925.000	57.942	63.485	-10.258	68.200	-5.543	PK
11		5963.800	60.346	65.677	-7.854	68.200	-5.331	PK

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

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

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

Site: SIP-AC2	Test Date: 2024-04-23
Limit: FCC_5.8G_RE(3m)	Engineer: Mero Zhou
Probe: BBHA 9120D_02042_1-18GHz	Polarity: Vertical
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at 5775MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	5635.400	61.462	67.504	-6.738	68.200	-6.042	PK
2		5650.000	58.454	64.441	-9.746	68.200	-5.988	PK
3		5700.000	66.689	72.294	-38.511	105.200	-5.605	PK
4		5720.000	69.629	75.177	-41.171	110.800	-5.549	PK
5		5725.000	70.652	76.124	-51.548	122.200	-5.473	PK
6		5739.600	95.680	101.169	N/A	N/A	-5.489	PK
7		5850.000	65.454	70.806	-56.746	122.200	-5.352	PK
8		5855.000	62.664	68.046	-48.136	110.800	-5.382	PK
9		5875.000	61.134	66.160	-44.066	105.200	-5.026	PK
10		5925.000	58.907	64.450	-9.293	68.200	-5.543	PK
11		5939.000	60.199	65.698	-8.001	68.200	-5.499	PK

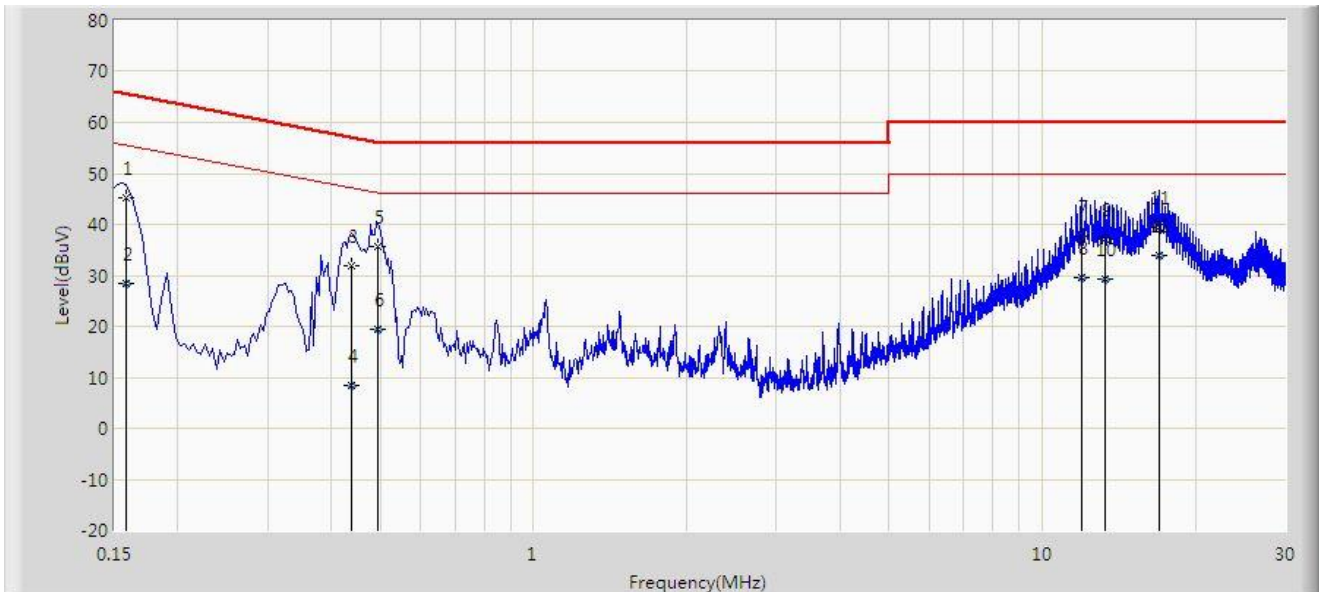
Note 1: " * ", means this data is the worst emission level.

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

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

A.9 AC Conducted Emissions Test Result

Site: SIP-SR2	Test Date: 2024-04-28
Temperature: 23.9°C	Humidity: 68.6%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Miron Ding
Probe: SIP-SR2-ENV216_101684_C	Polarity: Line
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5220MHz	



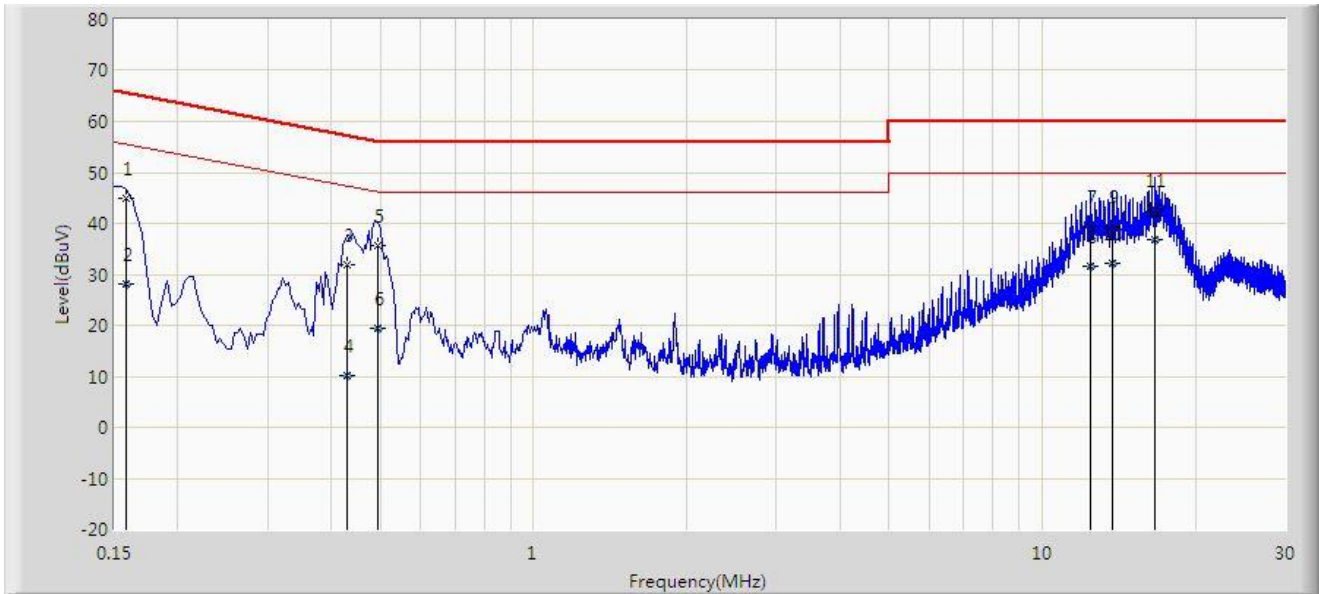
No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.158	45.258	35.335	-20.311	65.568	9.923	QP
2		0.158	28.397	18.474	-27.171	55.568	9.923	AV
3		0.438	31.895	22.165	-25.205	57.100	9.730	QP
4		0.438	8.286	-1.444	-38.814	47.100	9.730	AV
5		0.494	35.601	25.871	-20.499	56.100	9.730	QP
6		0.494	19.365	9.635	-26.735	46.100	9.730	AV
7		11.922	37.667	27.524	-22.333	60.000	10.143	QP
8		11.922	29.550	19.407	-20.450	50.000	10.143	AV
9		13.250	37.170	26.993	-22.830	60.000	10.176	QP
10		13.250	29.404	19.227	-20.596	50.000	10.176	AV
11		16.938	39.540	29.233	-20.460	60.000	10.307	QP
12	*	16.938	33.980	23.672	-16.020	50.000	10.307	AV

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

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

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

Site: SIP-SR2	Test Date: 2024-04-28
Temperature: 23.9°C	Humidity: 68.6%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Miron Ding
Probe: SIP-SR2-ENV216_101684_C	Polarity: Neutral
EUT: Intelligent Battery Charger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at 5220MHz	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.158	44.879	35.239	-20.690	65.568	9.640	QP
2		0.158	28.178	18.538	-27.390	55.568	9.640	AV
3		0.430	31.989	22.279	-25.263	57.253	9.710	QP
4		0.430	10.264	0.554	-36.988	47.253	9.710	AV
5		0.494	35.534	25.824	-20.566	56.100	9.710	QP
6		0.494	19.480	9.770	-26.620	46.100	9.710	AV
7		12.438	39.482	29.353	-20.518	60.000	10.129	QP
8		12.438	31.454	21.325	-18.546	50.000	10.129	AV
9		13.754	39.544	29.374	-20.456	60.000	10.170	QP
10		13.754	32.048	21.878	-17.952	50.000	10.170	AV
11		16.682	42.710	32.446	-17.290	60.000	10.264	QP
12	*	16.682	36.761	26.497	-13.239	50.000	10.264	AV

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

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

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

Appendix B – Test Setup Photograph

Refer to “2404RSU029-UT” file.

Appendix C – EUT Photograph

Refer to “2404RSU029-UE” file.

The End
