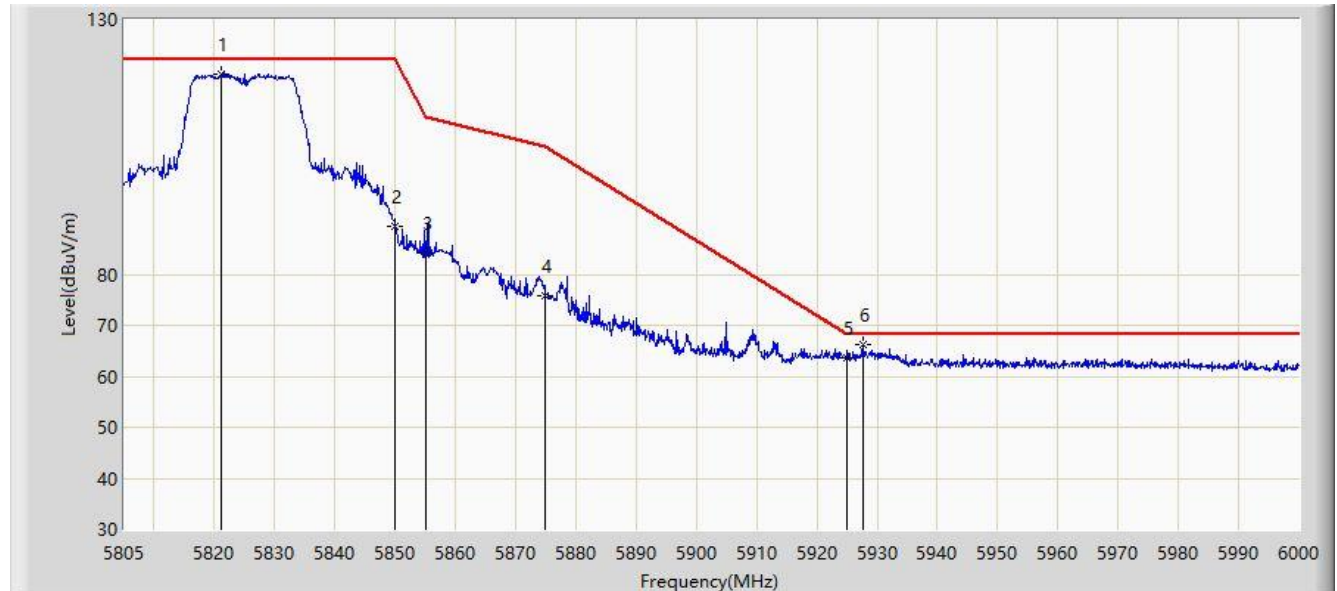


Site: NS-AC1	Time: 2021/05/21 - 11:34
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz	

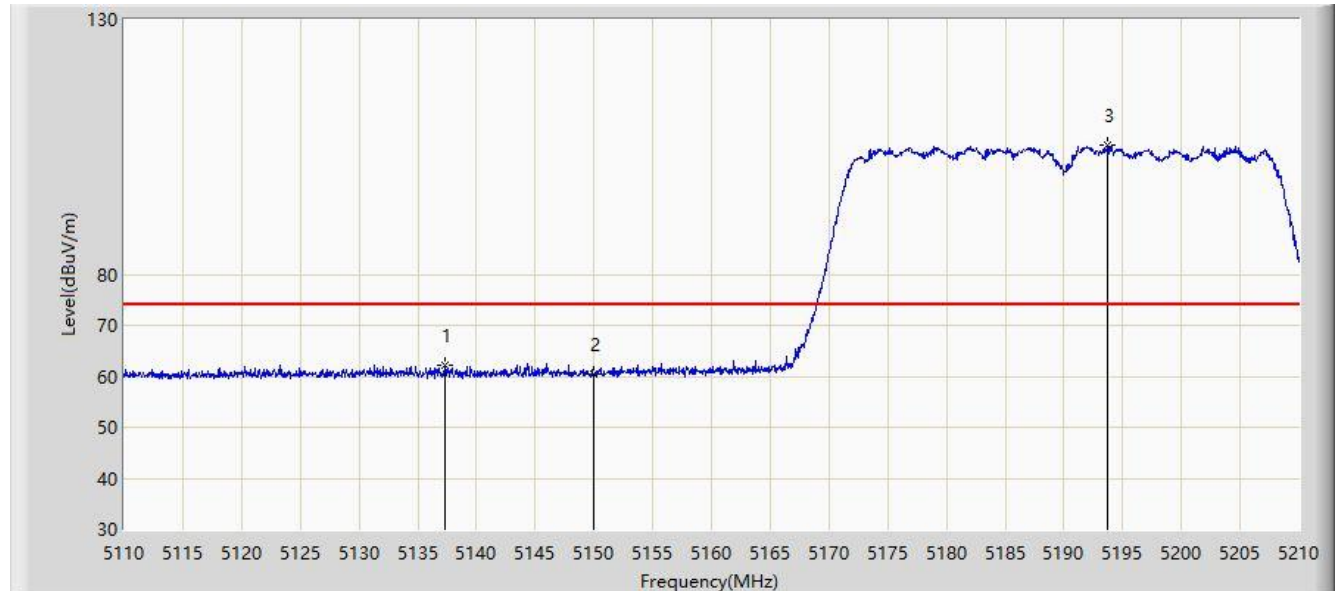


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5821.185	119.369	115.012	N/A	N/A	4.357	PK
2			5850.000	89.539	84.886	-32.661	122.200	4.653	PK
3			5855.000	84.328	79.644	-26.472	110.800	4.684	PK
4			5875.000	75.938	71.239	-29.262	105.200	4.700	PK
5			5925.000	63.652	58.696	-4.548	68.200	4.956	PK
6		*	5927.752	66.168	61.194	-2.032	68.200	4.973	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:07
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz	

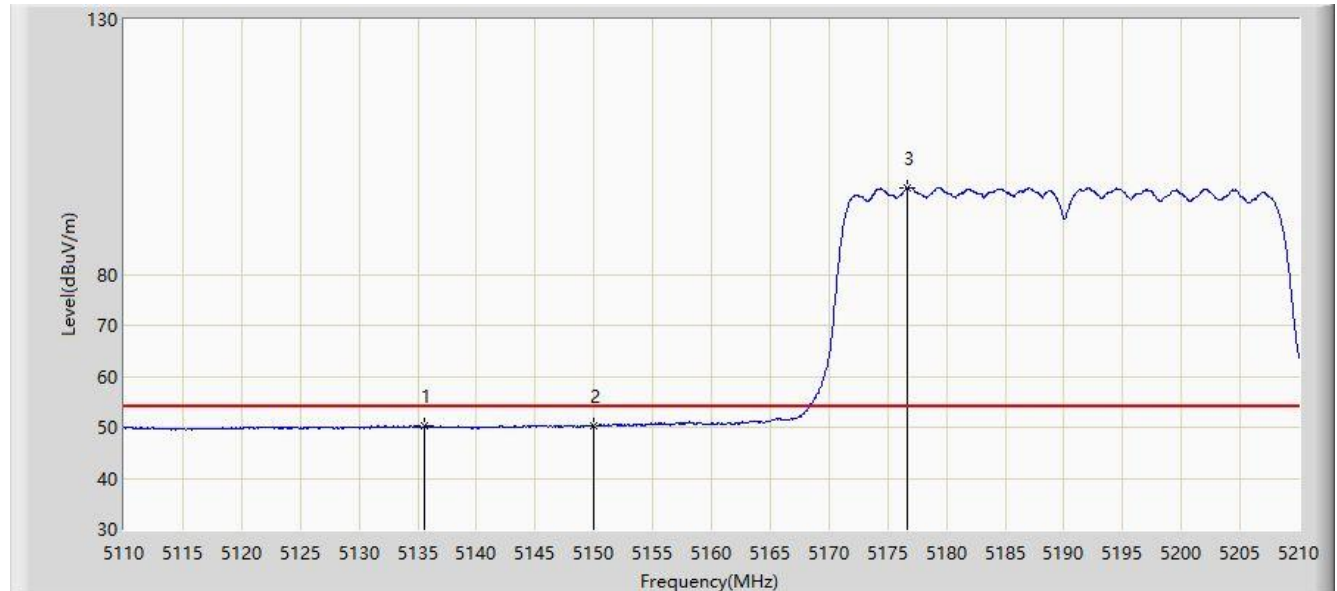


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5137.350	62.249	58.336	-11.751	74.000	3.913	PK
2			5150.000	60.514	56.649	-13.486	74.000	3.865	PK
3		*	5193.750	105.320	101.817	N/A	N/A	3.503	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:08
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz	

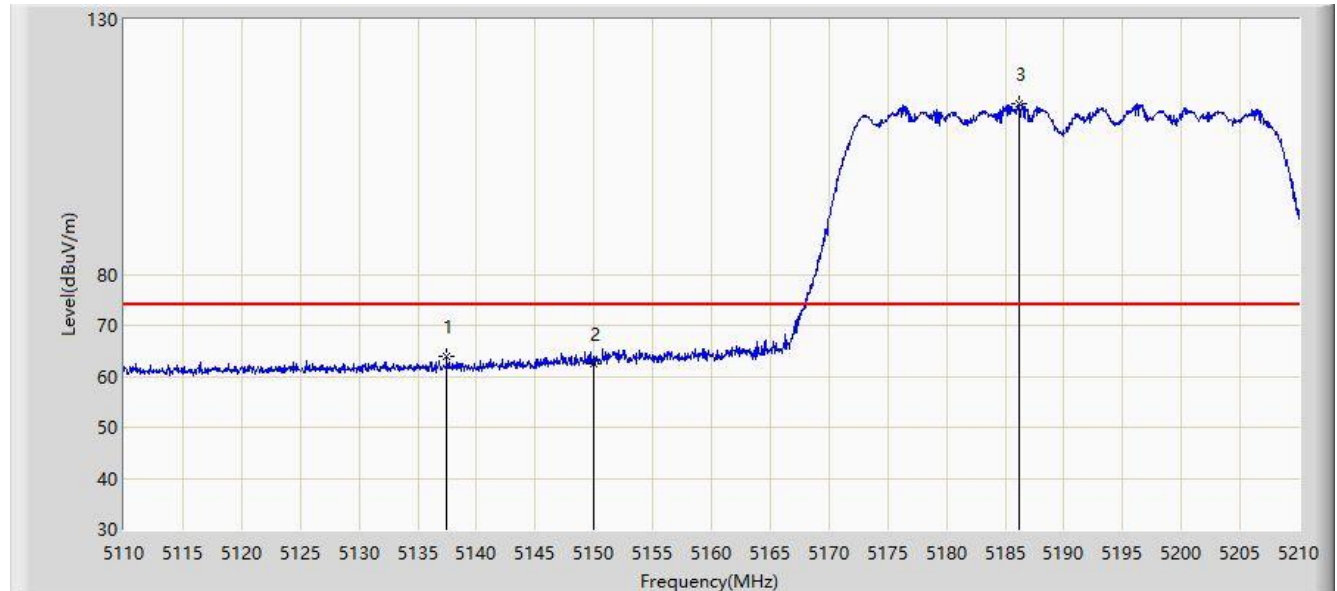


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.600	50.380	46.460	-3.620	54.000	3.921	AV
2			5150.000	50.416	46.551	-3.584	54.000	3.865	AV
3		*	5176.700	97.010	93.385	N/A	N/A	3.625	AV

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:05
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz	

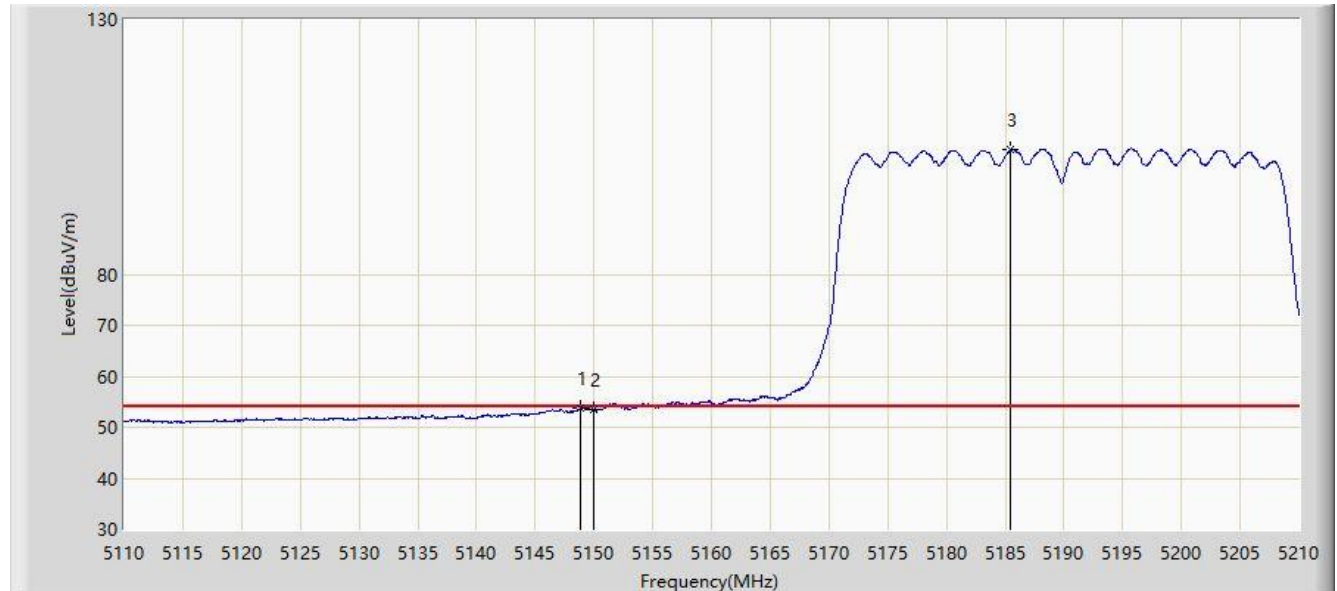


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5137.500	63.998	60.085	-10.002	74.000	3.912	PK
2			5150.000	62.601	58.736	-11.399	74.000	3.865	PK
3		*	5186.200	113.532	110.005	N/A	N/A	3.527	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:02
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz	

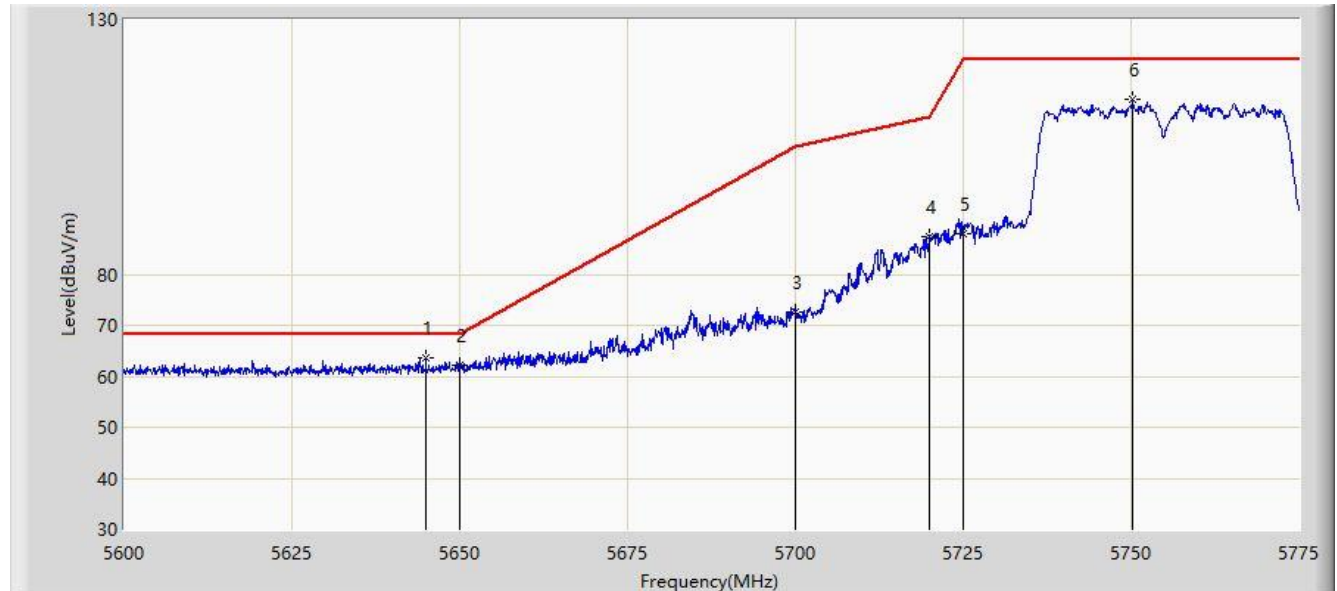


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.900	53.643	49.775	-0.357	54.000	3.868	AV
2			5150.000	53.480	49.615	-0.520	54.000	3.865	AV
3		*	5185.500	104.429	100.900	N/A	N/A	3.529	AV

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:20
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz	

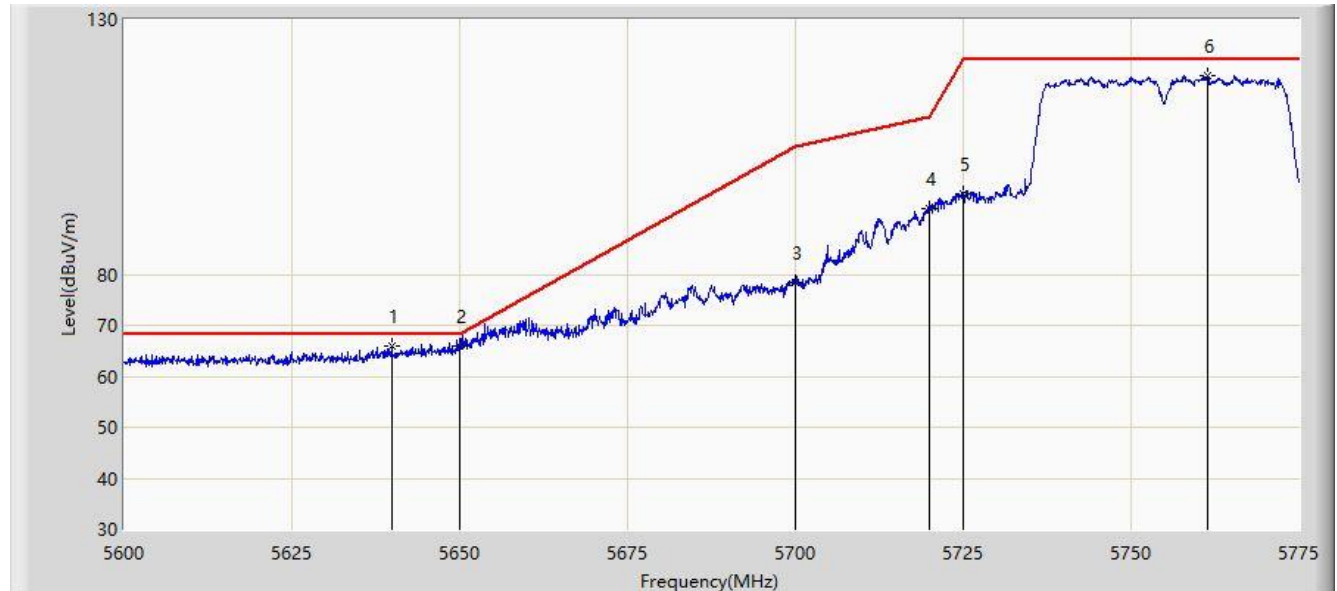


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5644.975	63.484	59.358	-4.716	68.200	4.126	PK
2			5650.000	62.032	57.881	-6.168	68.200	4.151	PK
3			5700.000	72.547	68.234	-32.653	105.200	4.312	PK
4			5720.000	87.467	83.309	-23.333	110.800	4.158	PK
5			5725.000	87.842	83.718	-34.358	122.200	4.124	PK
6			5750.237	114.216	109.909	N/A	N/A	4.308	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:17
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz	

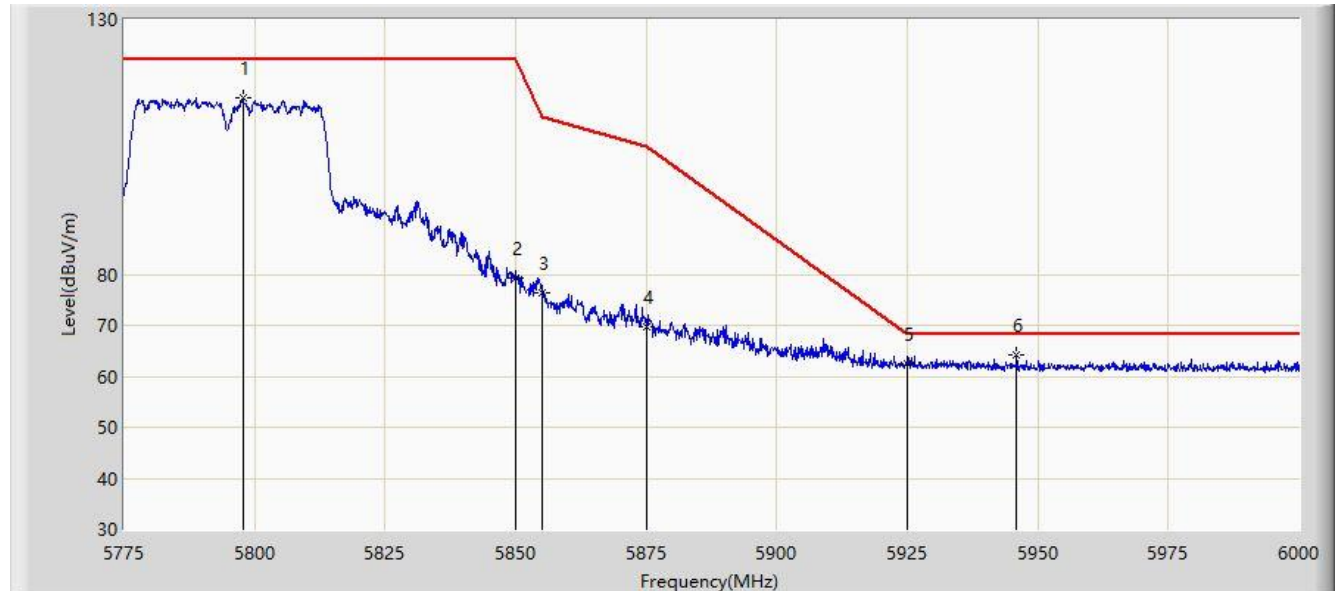


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.900	65.992	61.881	-2.208	68.200	4.112	PK
2			5650.000	65.883	61.732	-2.317	68.200	4.151	PK
3			5700.000	78.365	74.052	-26.835	105.200	4.312	PK
4			5720.000	92.953	88.795	-17.847	110.800	4.158	PK
5			5725.000	95.676	91.552	-26.524	122.200	4.124	PK
6			5761.350	119.008	114.567	N/A	N/A	4.441	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:25
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz	

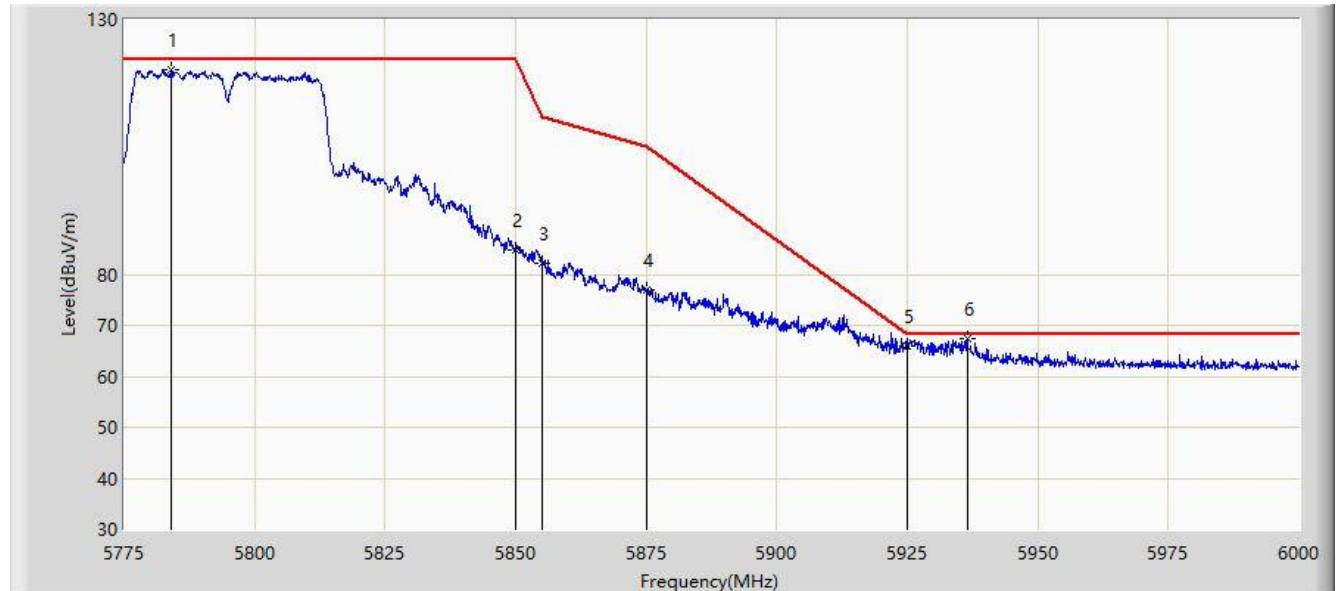


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5797.725	114.743	110.302	N/A	N/A	4.441	PK
2			5850.000	79.403	74.750	-42.797	122.200	4.653	PK
3			5855.000	76.420	71.736	-34.380	110.800	4.684	PK
4			5875.000	69.854	65.155	-35.346	105.200	4.700	PK
5			5925.000	62.420	57.464	-5.780	68.200	4.956	PK
6		*	5946.000	64.092	59.125	-4.108	68.200	4.967	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:23
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz	

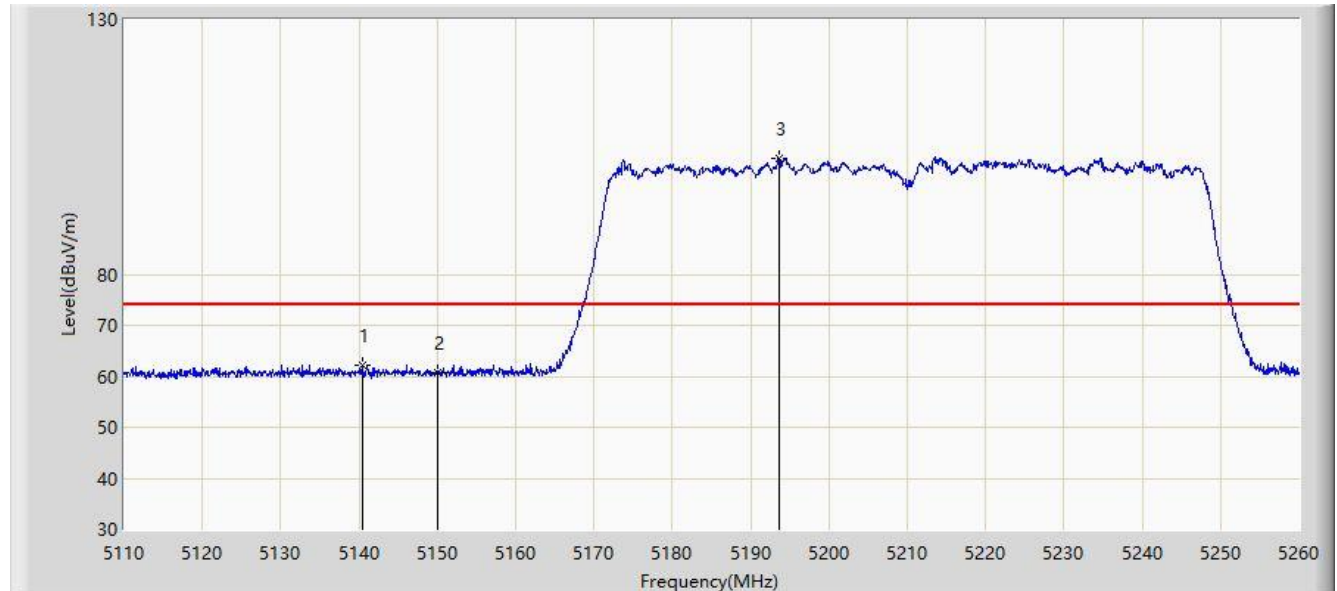


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5784.112	120.233	115.711	N/A	N/A	4.523	PK
2			5850.000	84.769	80.116	-37.431	122.200	4.653	PK
3			5855.000	82.270	77.586	-28.530	110.800	4.684	PK
4			5875.000	76.889	72.190	-28.311	105.200	4.700	PK
5			5925.000	66.066	61.110	-2.134	68.200	4.956	PK
6		*	5936.550	67.487	62.507	-0.713	68.200	4.980	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:41
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz	

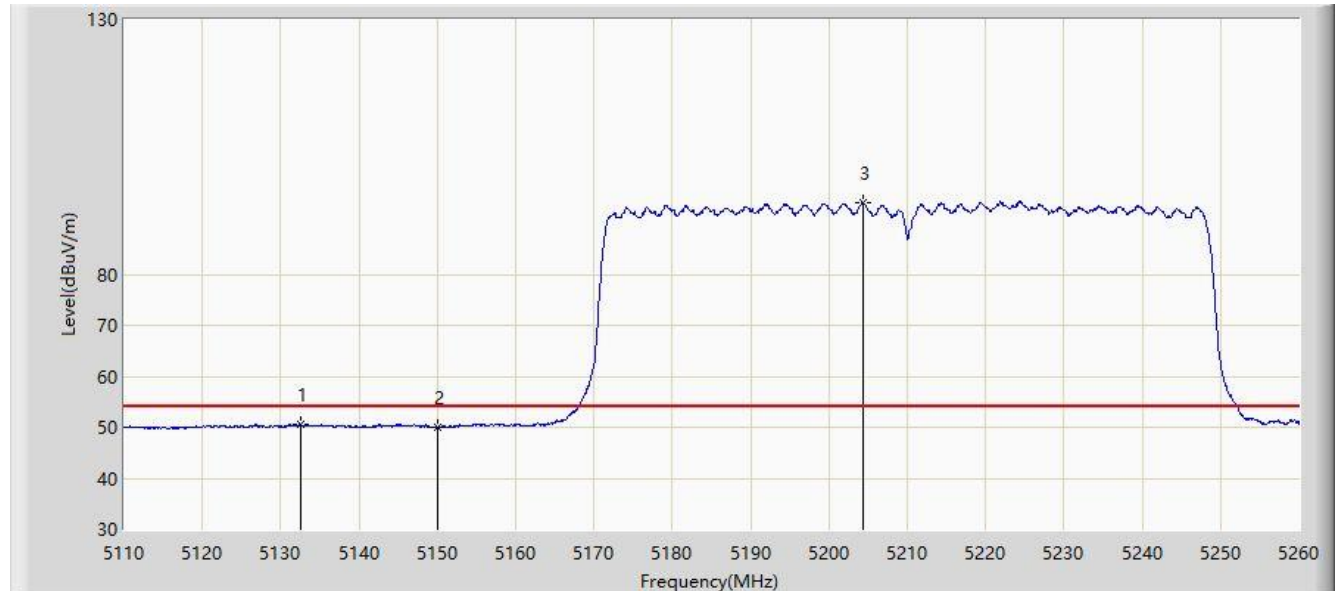


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5140.375	62.232	58.331	-11.768	74.000	3.902	PK
2			5150.000	60.840	56.975	-13.160	74.000	3.865	PK
3		*	5193.625	102.830	99.327	N/A	N/A	3.503	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:43
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz	

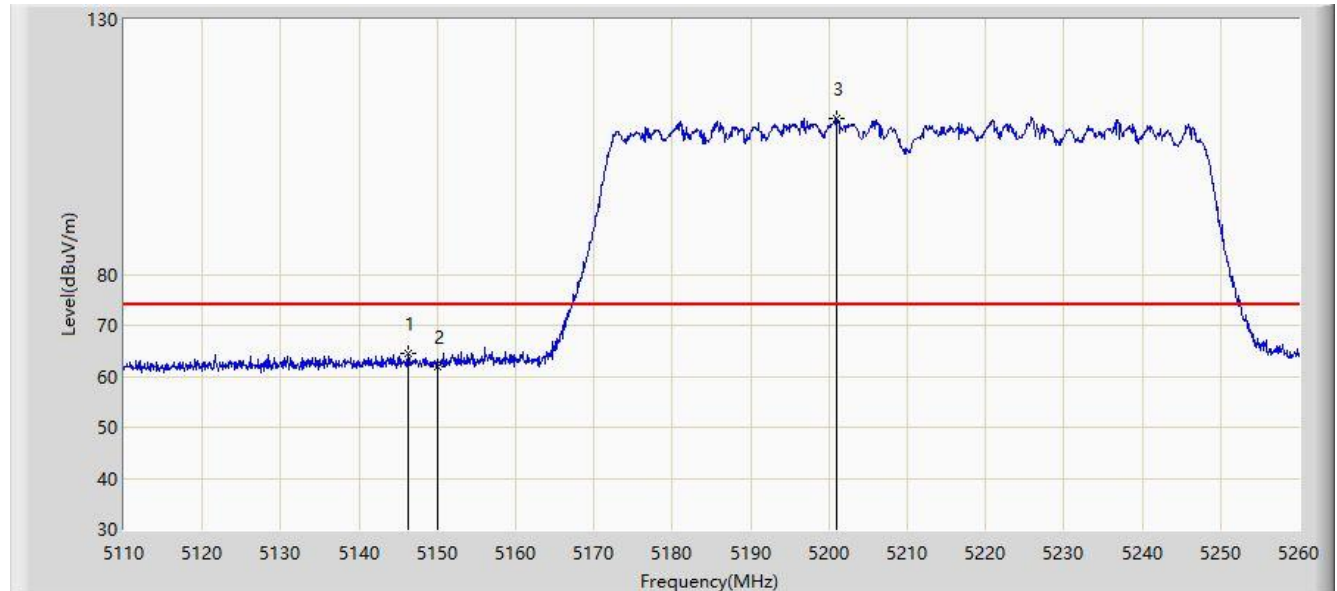


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5132.575	50.453	46.521	-3.547	54.000	3.932	AV
2			5150.000	50.079	46.214	-3.921	54.000	3.865	AV
3		*	5204.350	94.149	90.674	N/A	N/A	3.476	AV

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:40
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz	

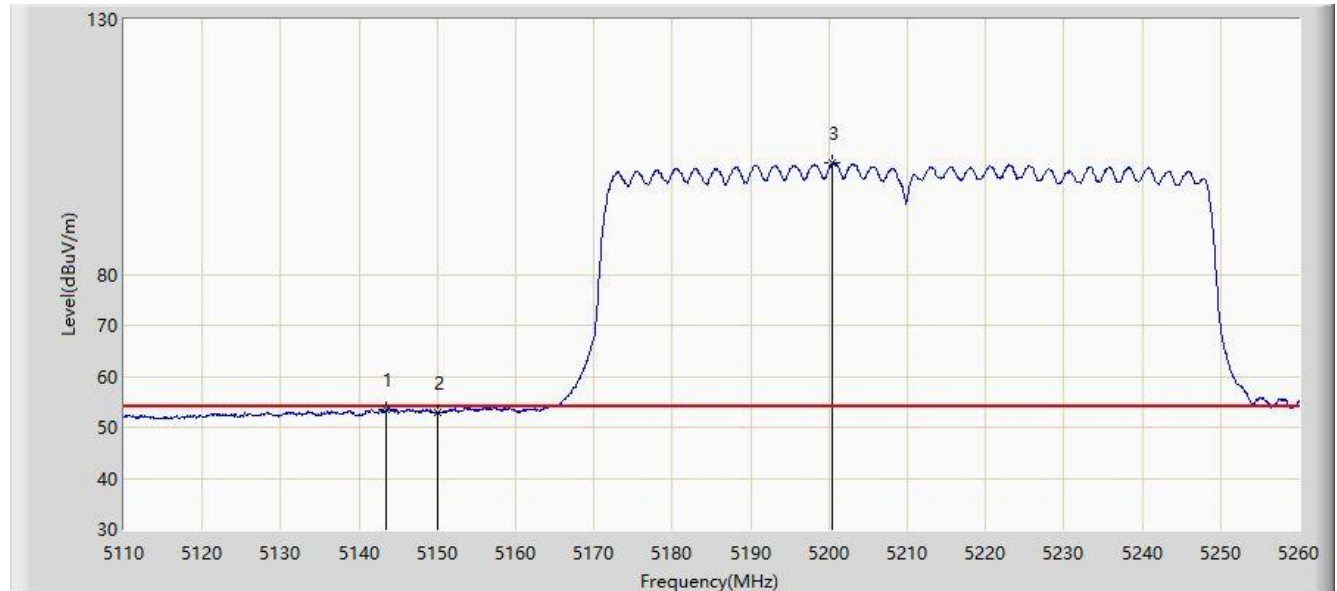


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.225	64.427	60.549	-9.573	74.000	3.879	PK
2			5150.000	61.845	57.980	-12.155	74.000	3.865	PK
3		*	5200.900	110.624	107.142	N/A	N/A	3.483	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:38
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz	

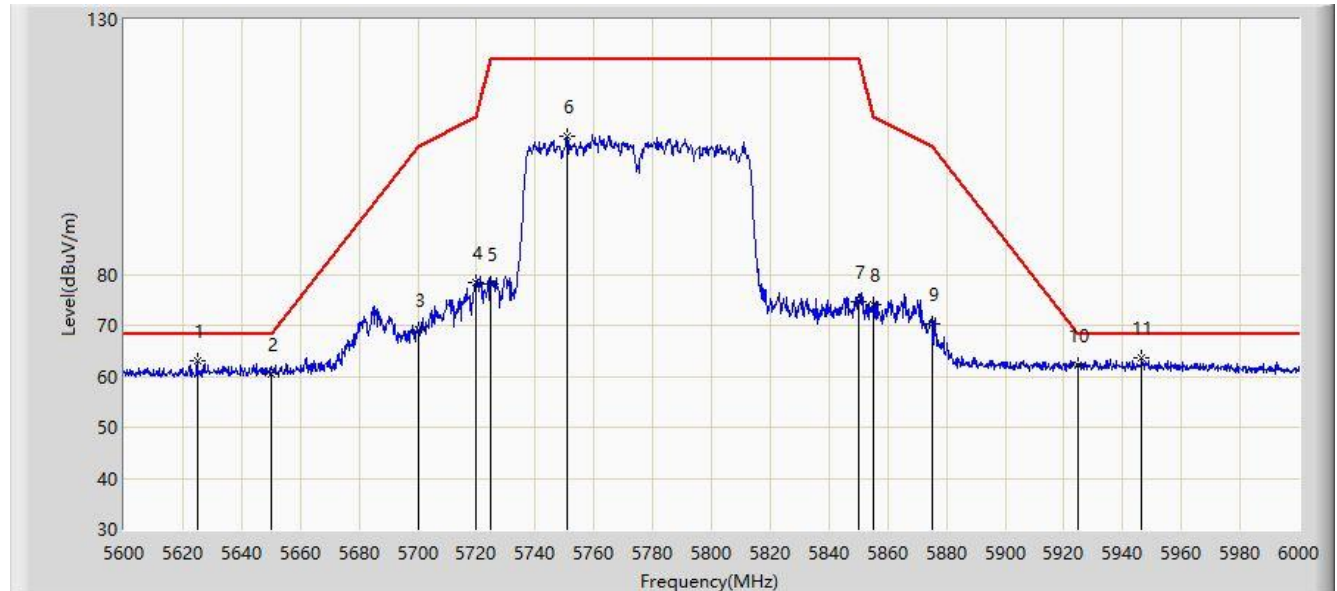


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5143.525	53.568	49.679	-0.432	54.000	3.889	AV
2			5150.000	52.772	48.907	-1.228	54.000	3.865	AV
3		*	5200.450	101.766	98.283	N/A	N/A	3.482	AV

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

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

Site: NS-AC1	Time: 2021/05/22 - 11:34
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz	

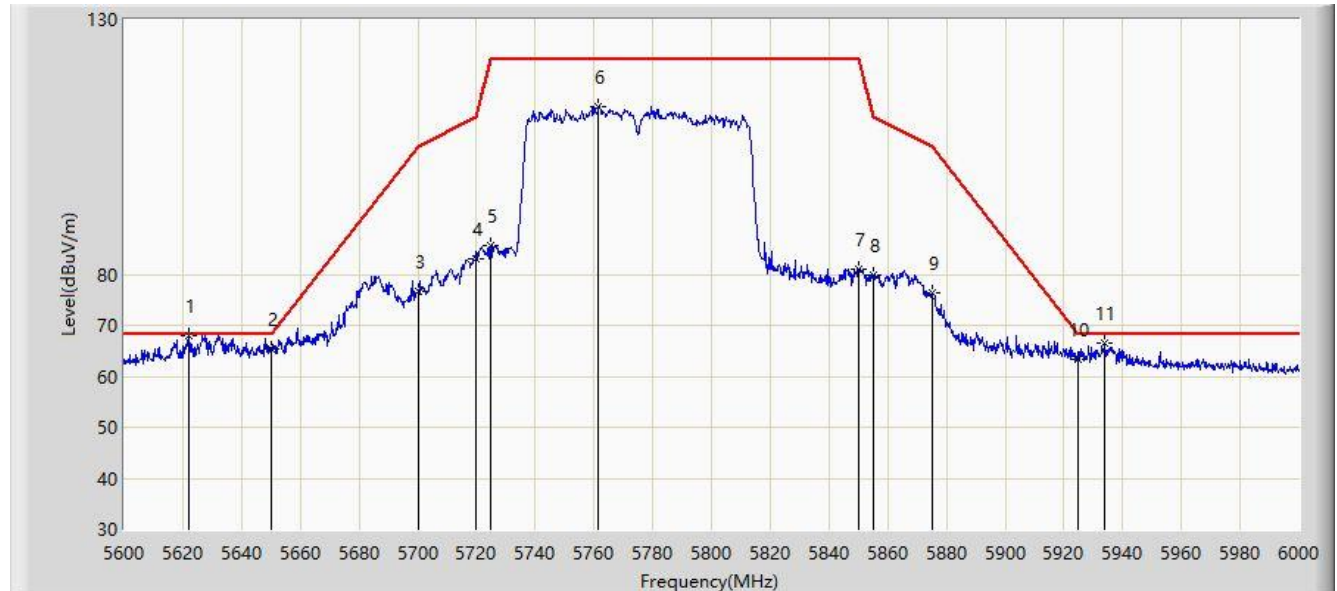


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5625.000	62.946	58.768	-5.254	68.200	4.178	PK
2			5650.000	60.425	56.274	-7.775	68.200	4.151	PK
3			5700.000	69.155	64.842	-36.045	105.200	4.312	PK
4			5720.000	78.399	74.241	-32.401	110.800	4.158	PK
5			5725.000	78.087	73.963	-44.113	122.200	4.124	PK
6			5750.800	107.230	102.915	N/A	N/A	4.315	PK
7			5850.000	74.612	69.959	-47.588	122.200	4.653	PK
8			5855.000	73.951	69.267	-36.849	110.800	4.684	PK
9			5875.000	70.382	65.683	-34.818	105.200	4.700	PK
10			5925.000	62.128	57.172	-6.072	68.200	4.956	PK
11		*	5946.600	63.560	58.594	-4.640	68.200	4.967	PK

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

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

Site: NS-AC1	Time: 2021/05/22 - 11:31
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz	

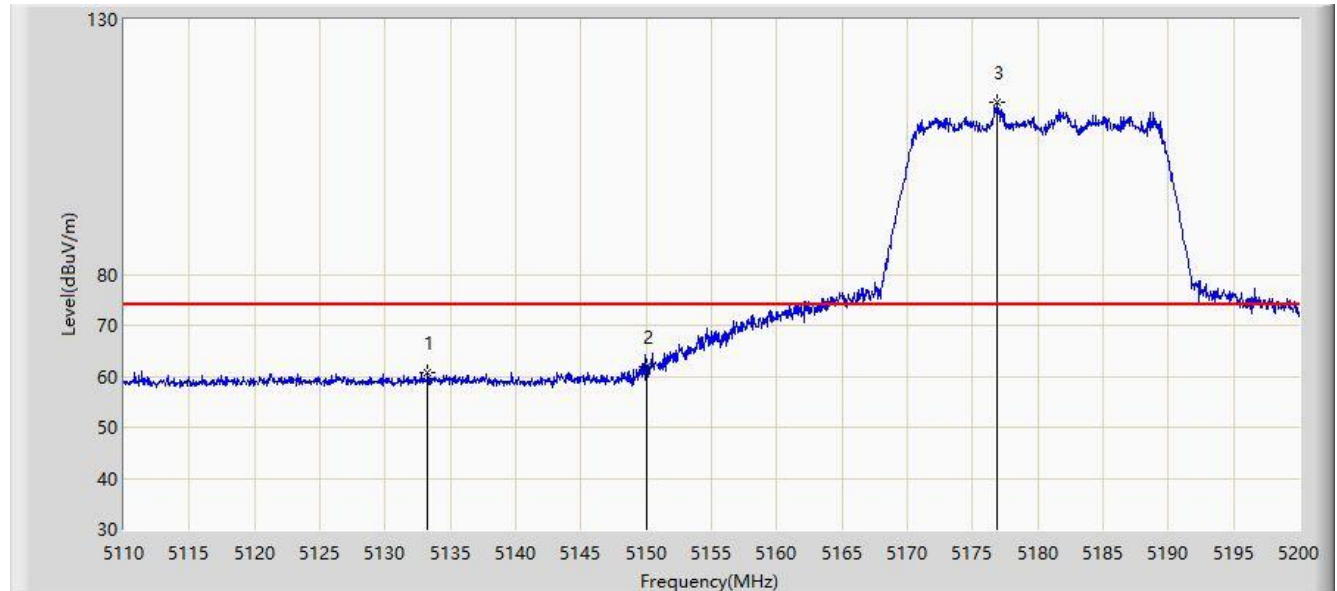


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5622.000	67.918	63.726	-0.282	68.200	4.193	PK
2			5650.000	65.277	61.126	-2.923	68.200	4.151	PK
3			5700.000	76.590	72.277	-28.610	105.200	4.312	PK
4			5720.000	83.185	79.027	-27.615	110.800	4.158	PK
5			5725.000	85.525	81.401	-36.675	122.200	4.124	PK
6			5761.600	112.903	108.460	N/A	N/A	4.443	PK
7			5850.000	80.931	76.278	-41.269	122.200	4.653	PK
8			5855.000	79.754	75.070	-31.046	110.800	4.684	PK
9			5875.000	76.499	71.800	-28.701	105.200	4.700	PK
10			5925.000	63.392	58.436	-4.808	68.200	4.956	PK
11			5934.000	66.654	61.671	-1.546	68.200	4.983	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 20:22
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz	

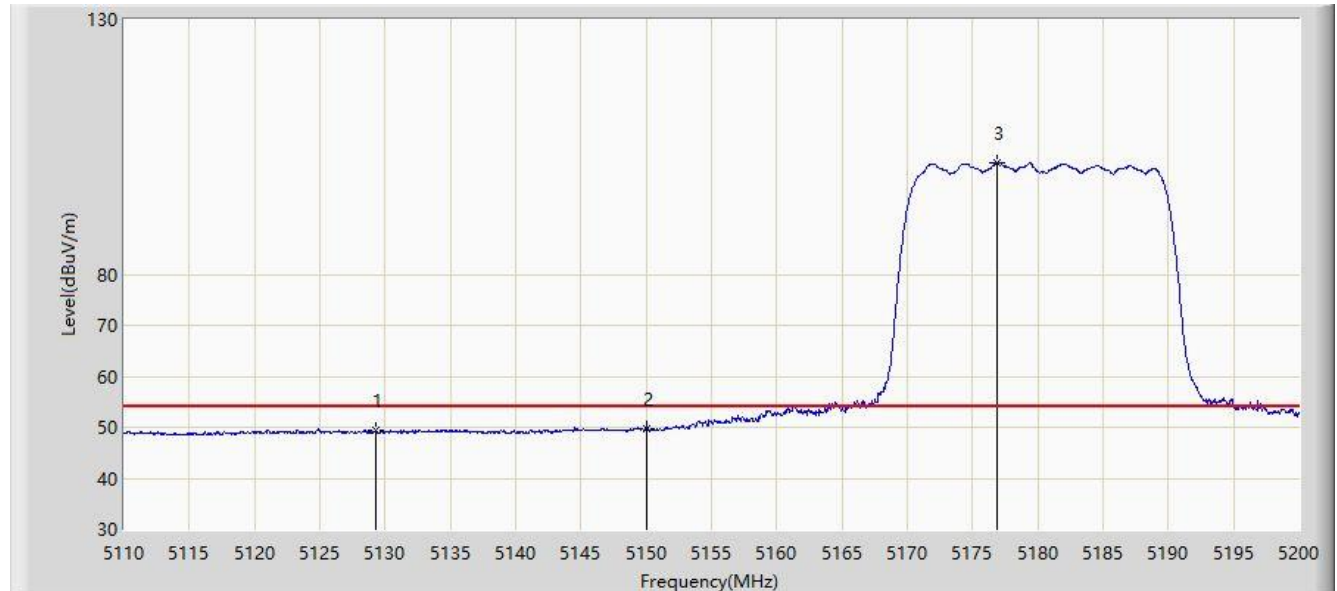


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5133.265	60.615	56.686	-13.385	74.000	3.929	PK
2			5150.000	61.874	58.009	-12.126	74.000	3.865	PK
3		*	5176.915	113.839	110.217	N/A	N/A	3.622	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 20:23
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz	

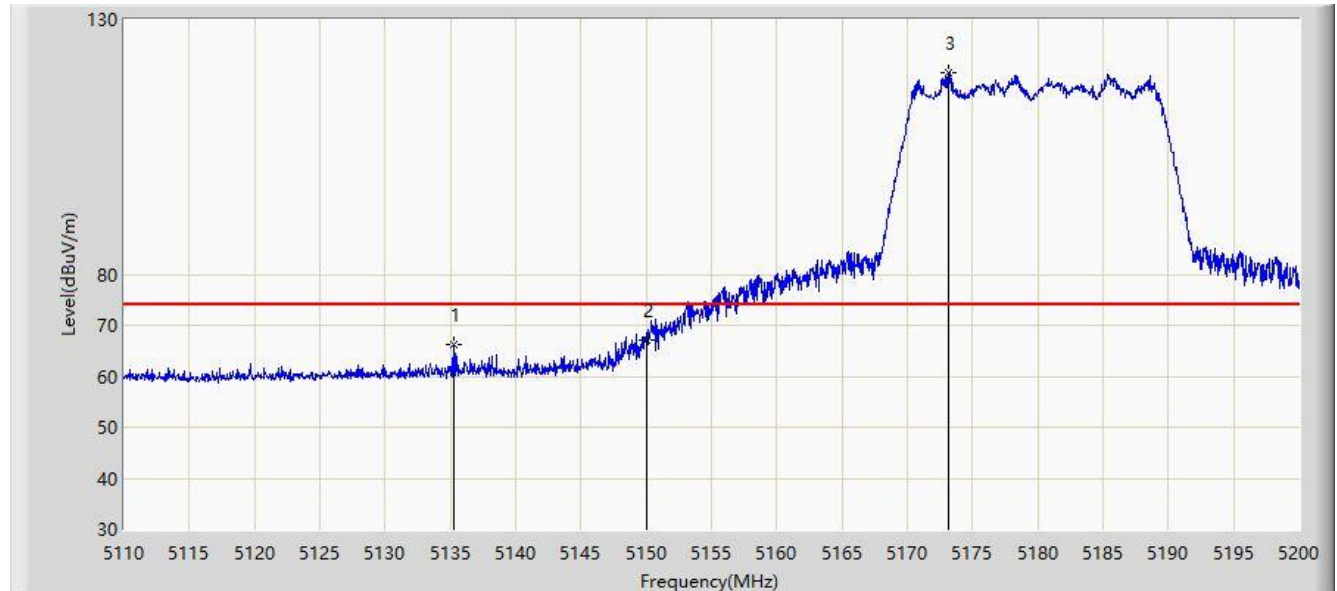


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5129.260	49.441	45.525	-4.559	54.000	3.916	AV
2			5150.000	49.676	45.811	-4.324	54.000	3.865	AV
3		*	5176.825	101.901	98.278	N/A	N/A	3.624	AV

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

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

Site: NS-AC1	Time: 2021/05/21 - 20:21
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz	

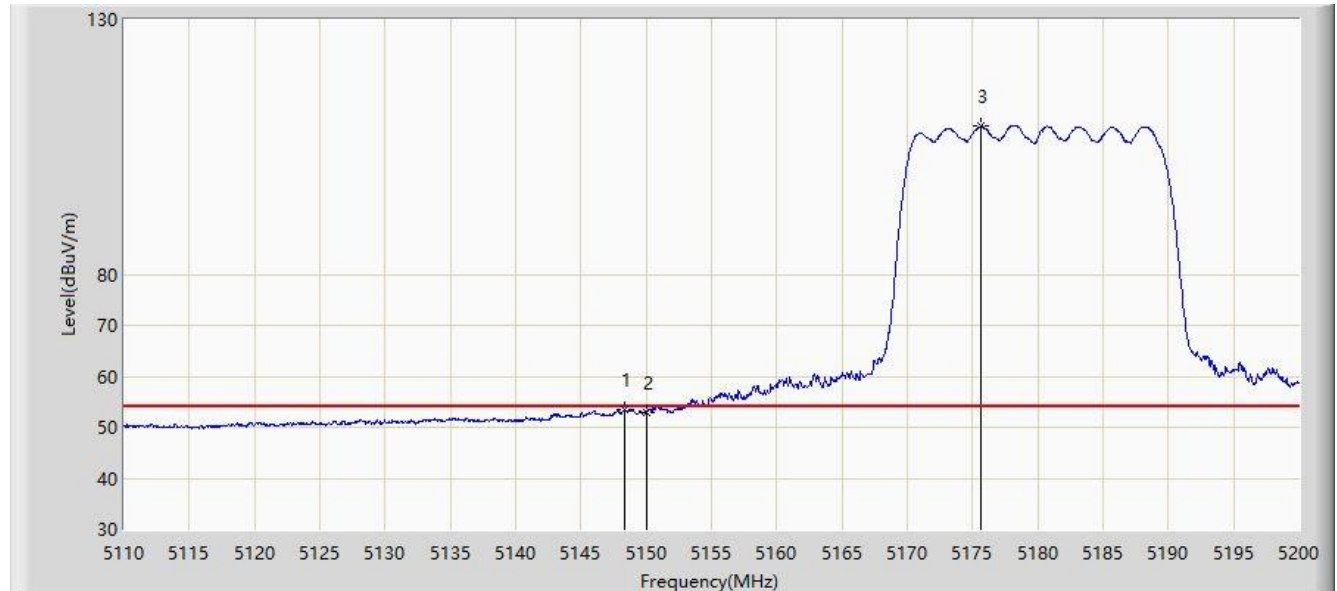


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5135.245	66.221	62.299	-7.779	74.000	3.921	PK
2			5150.000	67.032	63.167	-6.968	74.000	3.865	PK
3		*	5173.180	119.460	115.778	N/A	N/A	3.682	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 20:20
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diaio
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5180MHz	

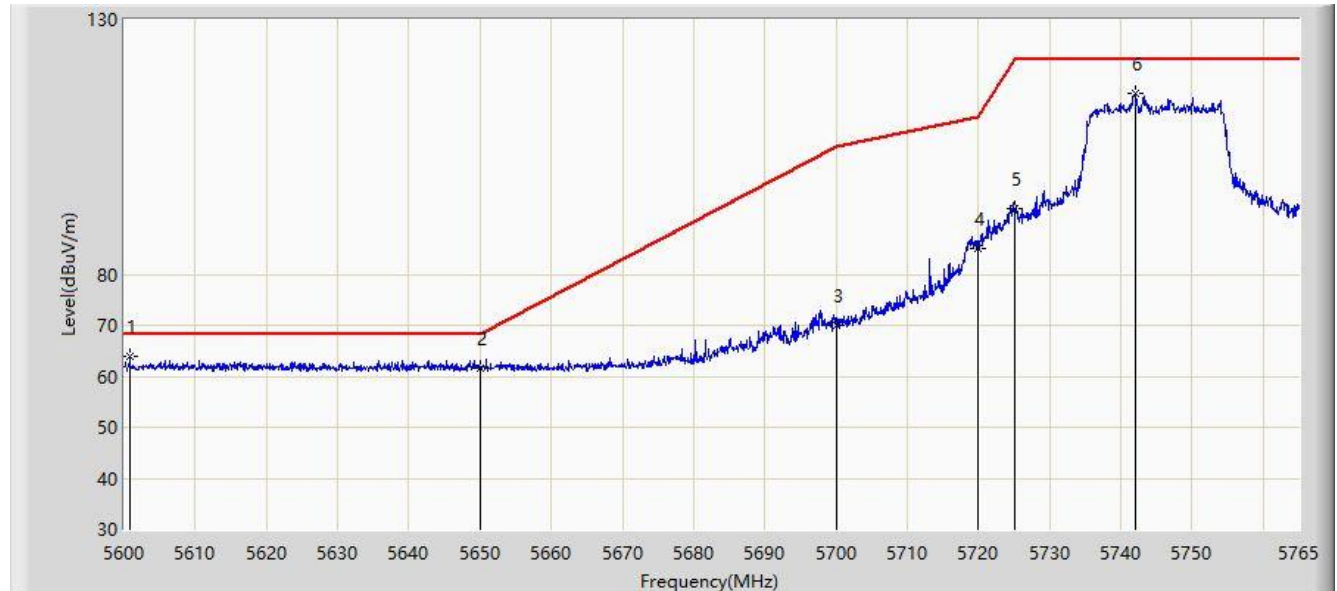


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.340	53.430	49.560	-0.570	54.000	3.871	AV
2			5150.000	53.010	49.145	-0.990	54.000	3.865	AV
3	X	*	5175.655	109.042	105.400	N/A	N/A	3.642	AV

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

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

Site: NS-AC1	Time: 2021/05/24 - 15:21
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5745MHz	

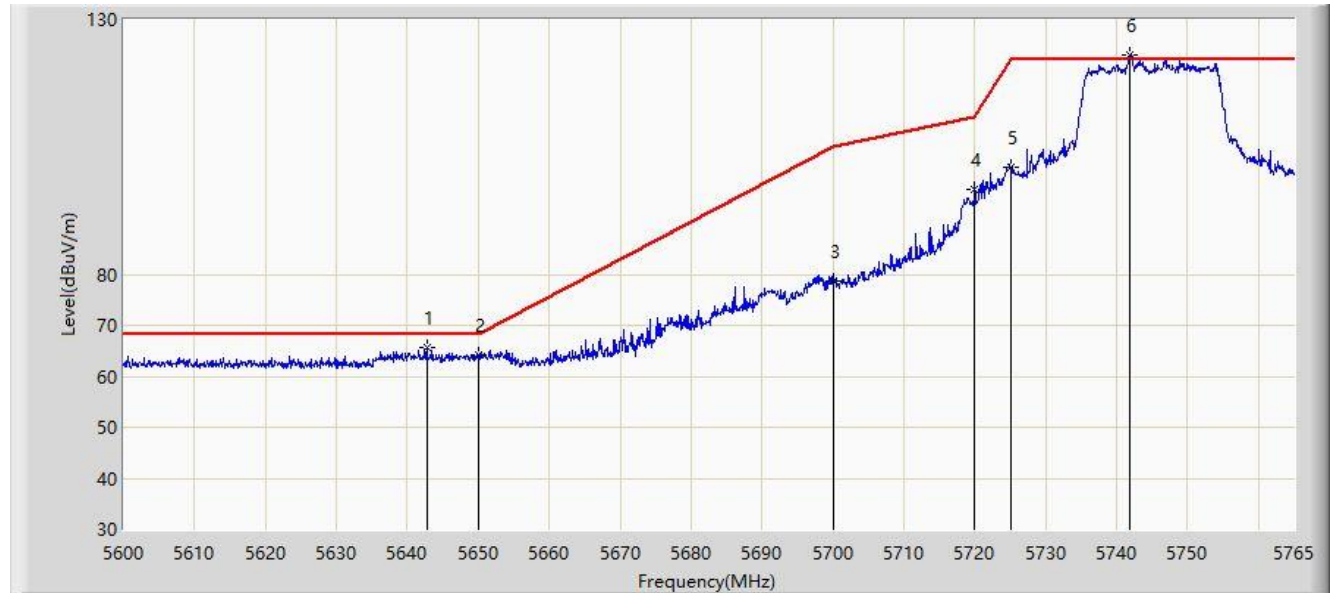


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5600.825	63.795	59.546	-4.405	68.200	4.249	PK
2			5650.000	61.575	57.424	-6.625	68.200	4.151	PK
3			5700.000	69.969	65.656	-35.231	105.200	4.312	PK
4			5720.000	85.179	81.021	-25.621	110.800	4.158	PK
5			5725.000	92.788	88.664	-29.412	122.200	4.124	PK
6			5742.147	115.372	111.161	N/A	N/A	4.210	PK

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

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

Site: NS-AC1	Time: 2021/05/24 - 15:24
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5745MHz	

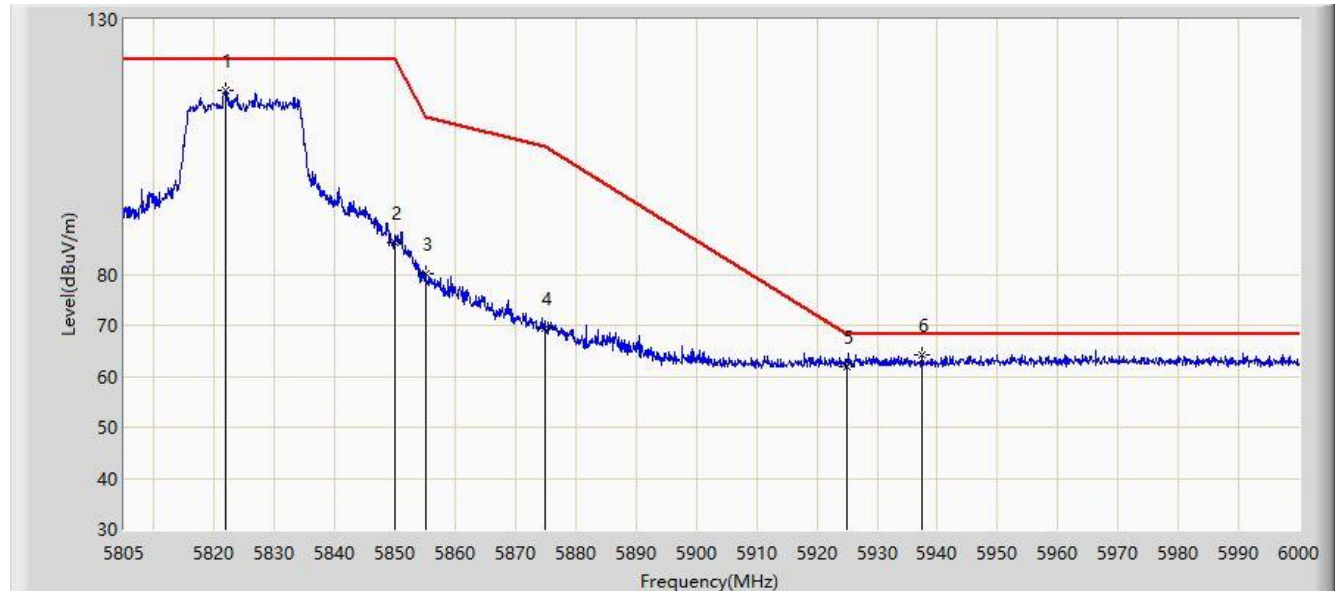


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5642.735	65.762	61.647	-2.438	68.200	4.115	PK
2			5650.000	64.119	59.968	-4.081	68.200	4.151	PK
3			5700.000	78.568	74.255	-26.632	105.200	4.312	PK
4			5720.000	96.533	92.375	-14.267	110.800	4.158	PK
5			5725.000	100.901	96.777	-21.299	122.200	4.124	PK
6		*	5741.817	123.169	118.960	N/A	N/A	4.209	PK

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

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

Site: NS-AC1	Time: 2021/05/24 - 15:17
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5825MHz	

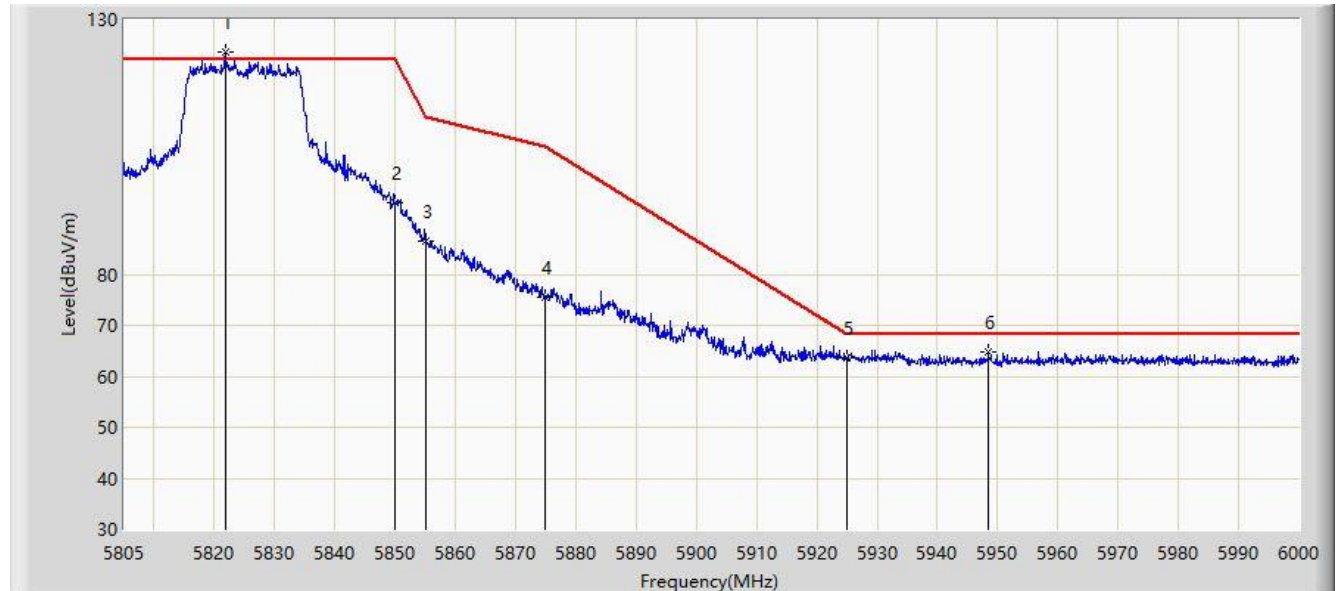


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5821.965	116.049	111.692	N/A	N/A	4.356	PK
2			5850.000	86.312	81.659	-35.888	122.200	4.653	PK
3			5855.000	80.232	75.548	-30.568	110.800	4.684	PK
4			5875.000	69.504	64.805	-35.696	105.200	4.700	PK
5			5925.000	61.973	57.017	-6.227	68.200	4.956	PK
6		*	5937.502	64.079	59.100	-4.121	68.200	4.978	PK

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

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

Site: NS-AC1	Time: 2021/05/24 - 15:18
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at channel 5825MHz	

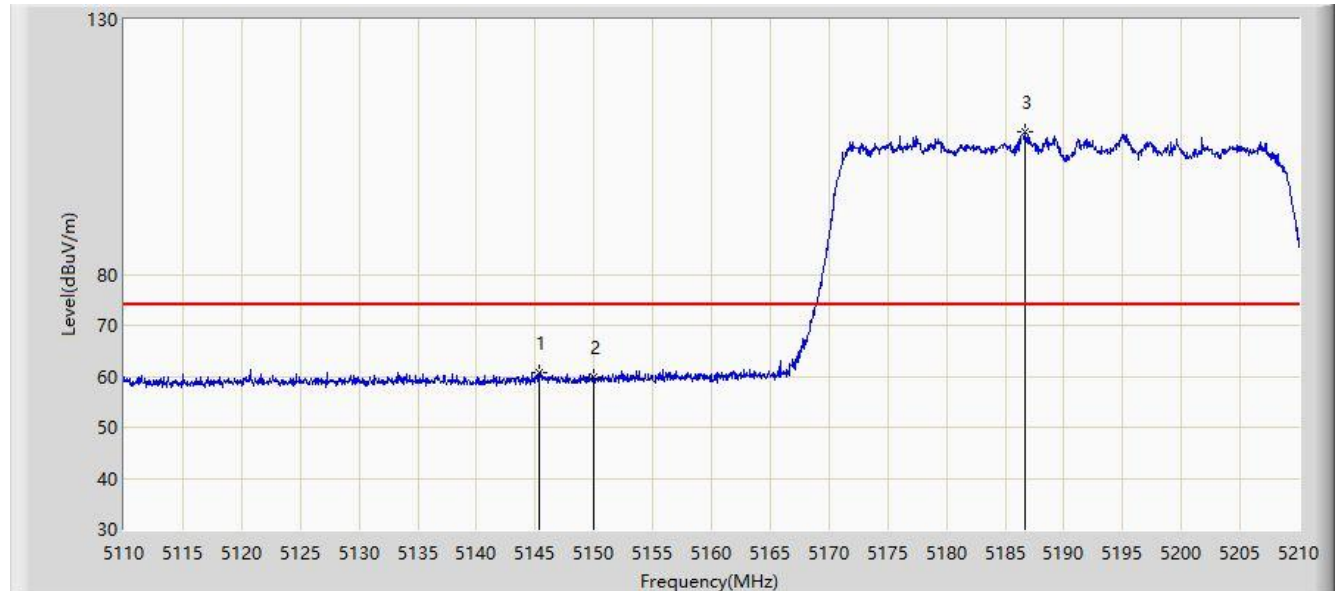


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5821.770	123.514	119.157	N/A	N/A	4.357	PK
2			5850.000	93.972	89.319	-28.228	122.200	4.653	PK
3			5855.000	86.611	81.927	-24.189	110.800	4.684	PK
4			5875.000	75.540	70.841	-29.660	105.200	4.700	PK
5			5925.000	63.757	58.801	-4.443	68.200	4.956	PK
6			5948.422	64.699	59.736	-3.501	68.200	4.964	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 20:15
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diaio
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5190MHz	

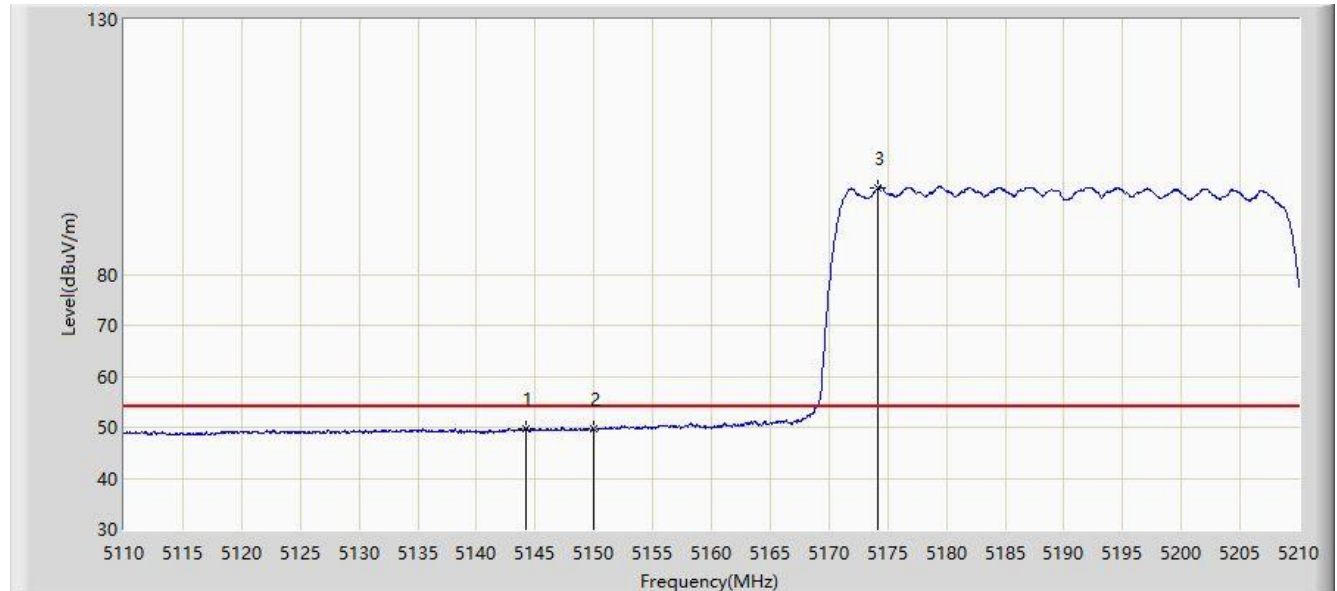


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.300	60.827	56.945	-13.173	74.000	3.883	PK
2			5150.000	59.738	55.873	-14.262	74.000	3.865	PK
3		*	5186.650	107.952	104.426	N/A	N/A	3.525	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 20:17
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5190MHz	

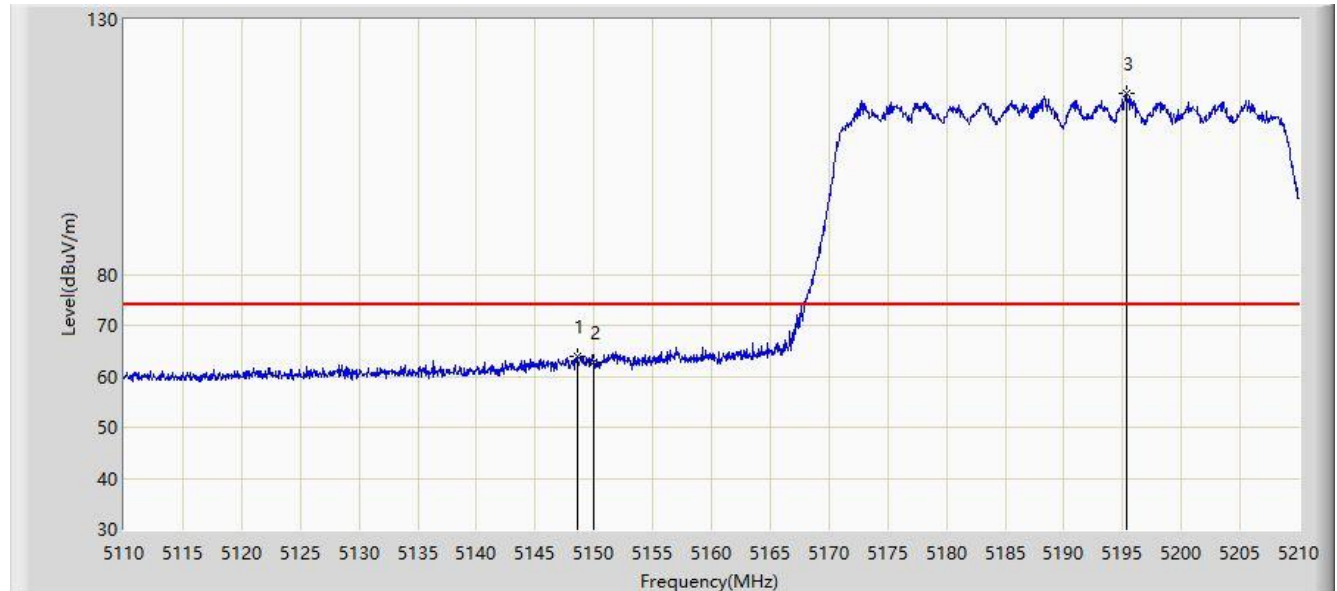


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.150	49.792	45.905	-4.208	54.000	3.886	AV
2			5150.000	49.570	45.705	-4.430	54.000	3.865	AV
3		*	5174.100	96.971	93.304	N/A	N/A	3.667	AV

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

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

Site: NS-AC1	Time: 2021/05/21 - 20:15
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5190MHz	

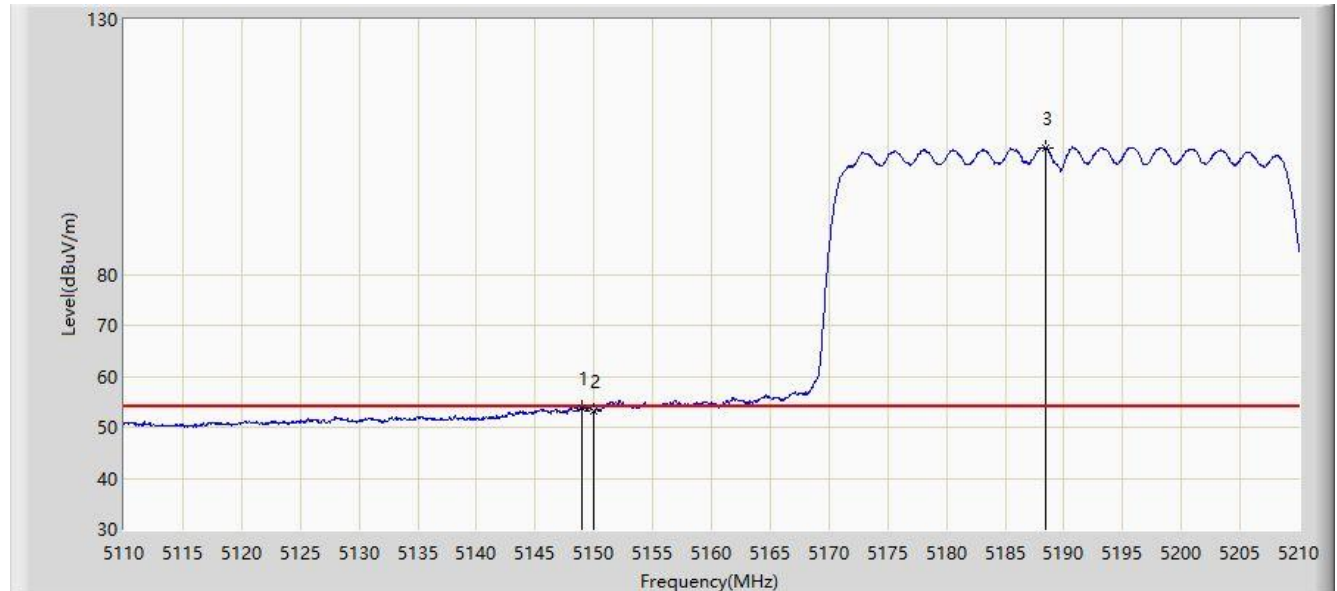


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.550	64.007	60.137	-9.993	74.000	3.870	PK
2			5150.000	62.729	58.864	-11.271	74.000	3.865	PK
3		*	5195.350	115.491	111.993	N/A	N/A	3.498	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 20:12
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5190MHz	

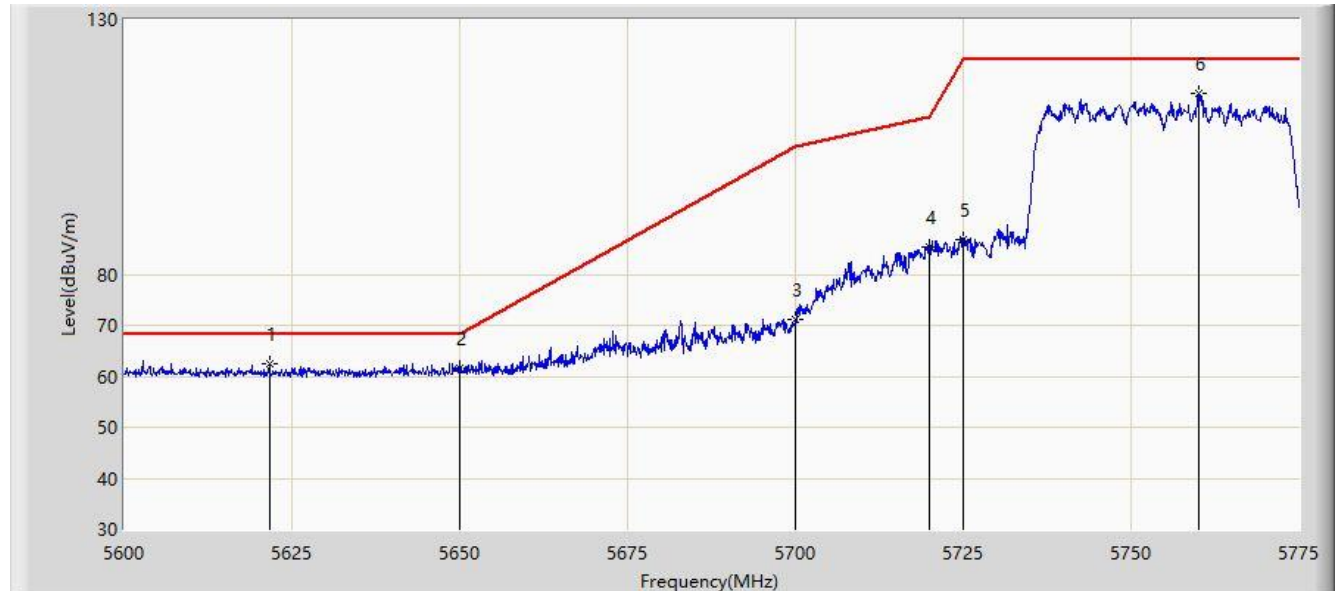


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.950	53.893	50.025	-0.107	54.000	3.868	AV
2			5150.000	53.289	49.424	-0.711	54.000	3.865	AV
3		*	5188.500	104.721	101.201	N/A	N/A	3.520	AV

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

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

Site: NS-AC1	Time: 2021/05/22 - 10:58
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5755MHz	

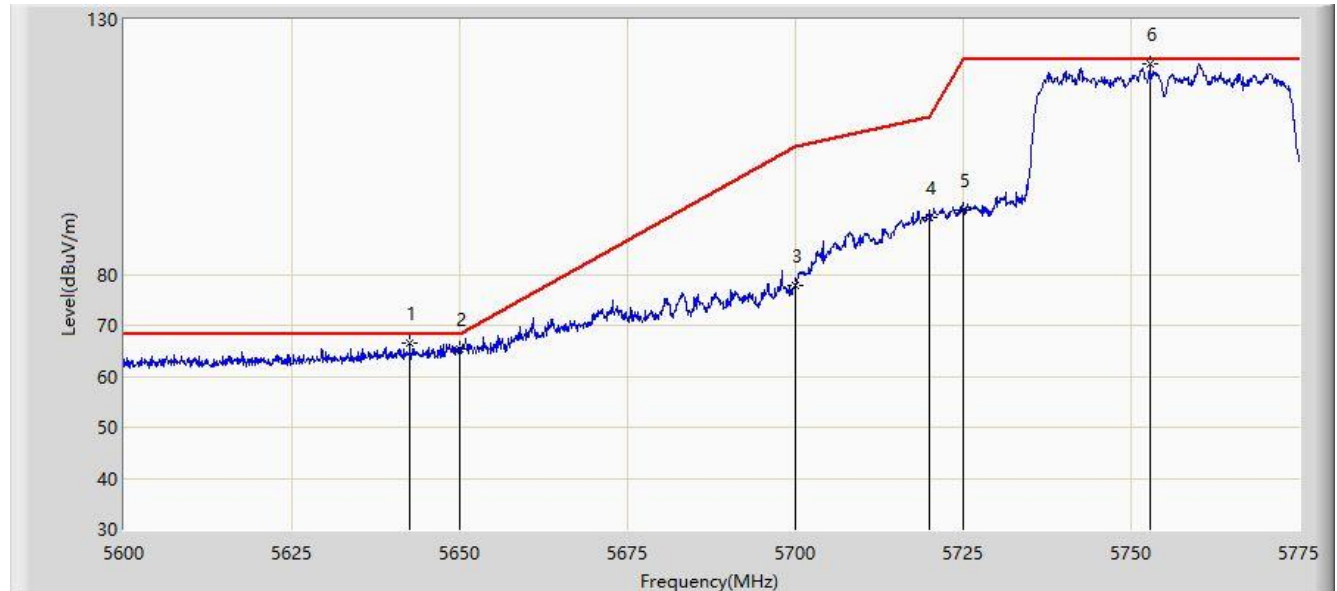


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5621.612	62.486	58.292	-5.714	68.200	4.195	PK
2			5650.000	61.552	57.401	-6.648	68.200	4.151	PK
3			5700.000	71.156	66.843	-34.044	105.200	4.312	PK
4			5720.000	85.335	81.177	-25.465	110.800	4.158	PK
5			5725.000	86.896	82.772	-35.304	122.200	4.124	PK
6			5760.038	115.537	111.106	N/A	N/A	4.431	PK

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

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

Site: NS-AC1	Time: 2021/05/22 - 10:57
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5755MHz	

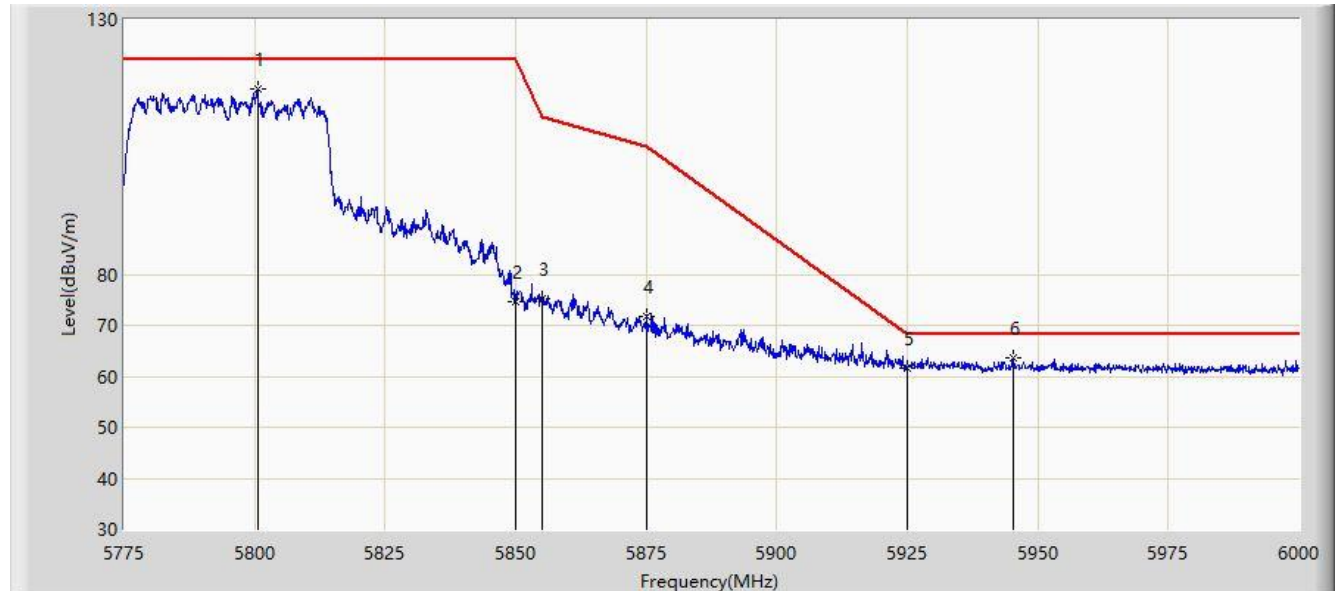


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5642.525	66.524	62.410	-1.676	68.200	4.114	PK
2			5650.000	65.247	61.096	-2.953	68.200	4.151	PK
3			5700.000	77.832	73.519	-27.368	105.200	4.312	PK
4			5720.000	91.119	86.961	-19.681	110.800	4.158	PK
5			5725.000	92.708	88.584	-29.492	122.200	4.124	PK
6		*	5752.775	121.346	117.006	N/A	N/A	4.339	PK

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

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

Site: NS-AC1	Time: 2021/05/22 - 11:12
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5795MHz	

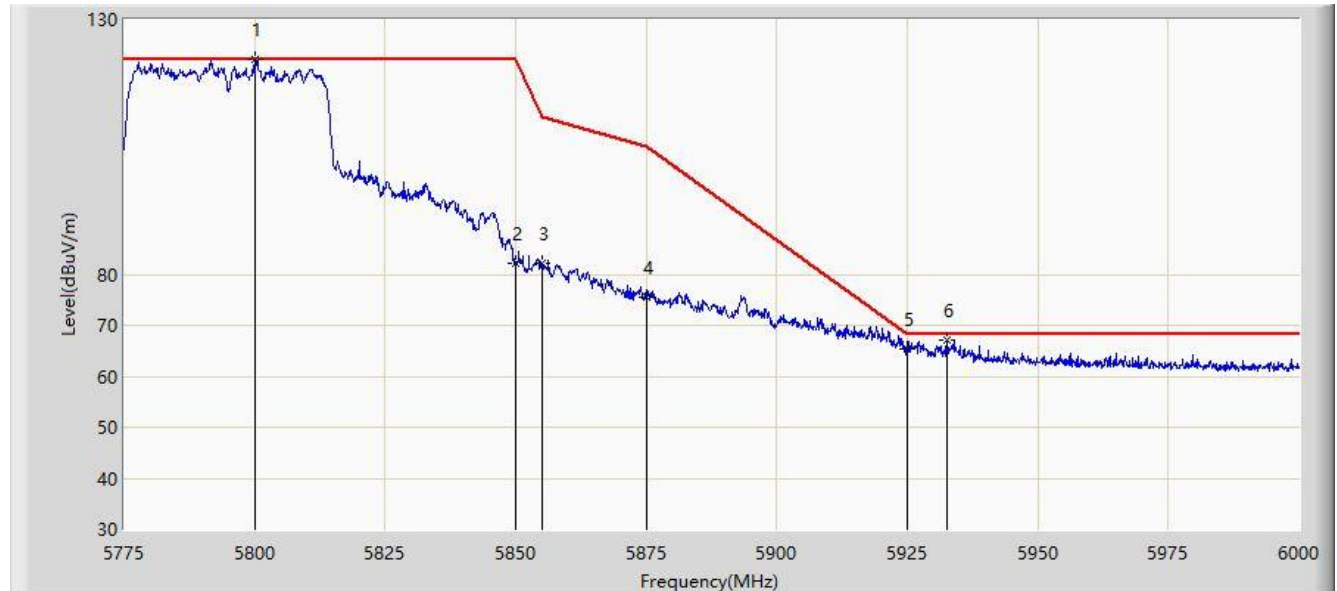


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5800.538	116.379	111.956	N/A	N/A	4.423	PK
2			5850.000	74.736	70.083	-47.464	122.200	4.653	PK
3			5855.000	75.292	70.608	-35.508	110.800	4.684	PK
4			5875.000	71.768	67.069	-33.432	105.200	4.700	PK
5			5925.000	61.570	56.614	-6.630	68.200	4.956	PK
6		*	5945.212	63.668	58.700	-4.532	68.200	4.968	PK

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

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

Site: NS-AC1	Time: 2021/05/22 - 11:04
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at channel 5795MHz	

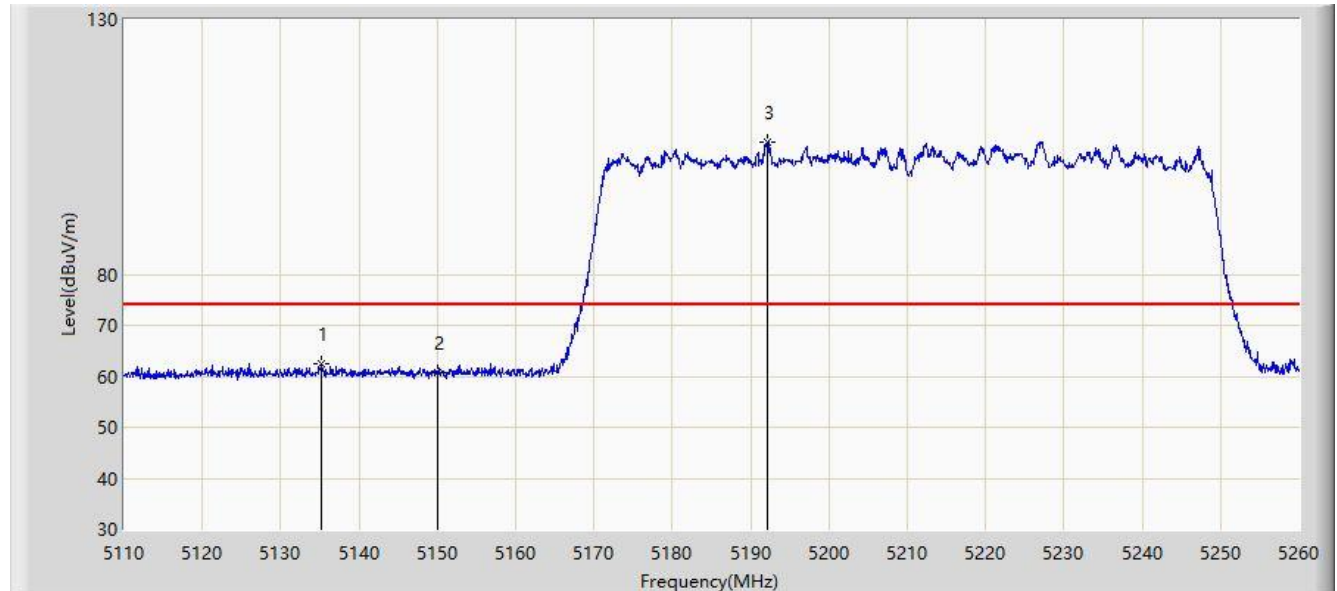


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5800.200	122.247	117.821	N/A	N/A	4.426	PK
2			5850.000	82.172	77.519	-40.028	122.200	4.653	PK
3			5855.000	82.217	77.533	-28.583	110.800	4.684	PK
4			5875.000	75.589	70.890	-29.611	105.200	4.700	PK
5			5925.000	65.238	60.282	-2.962	68.200	4.956	PK
6			5932.500	67.099	62.114	-1.101	68.200	4.986	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:54
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5210MHz	

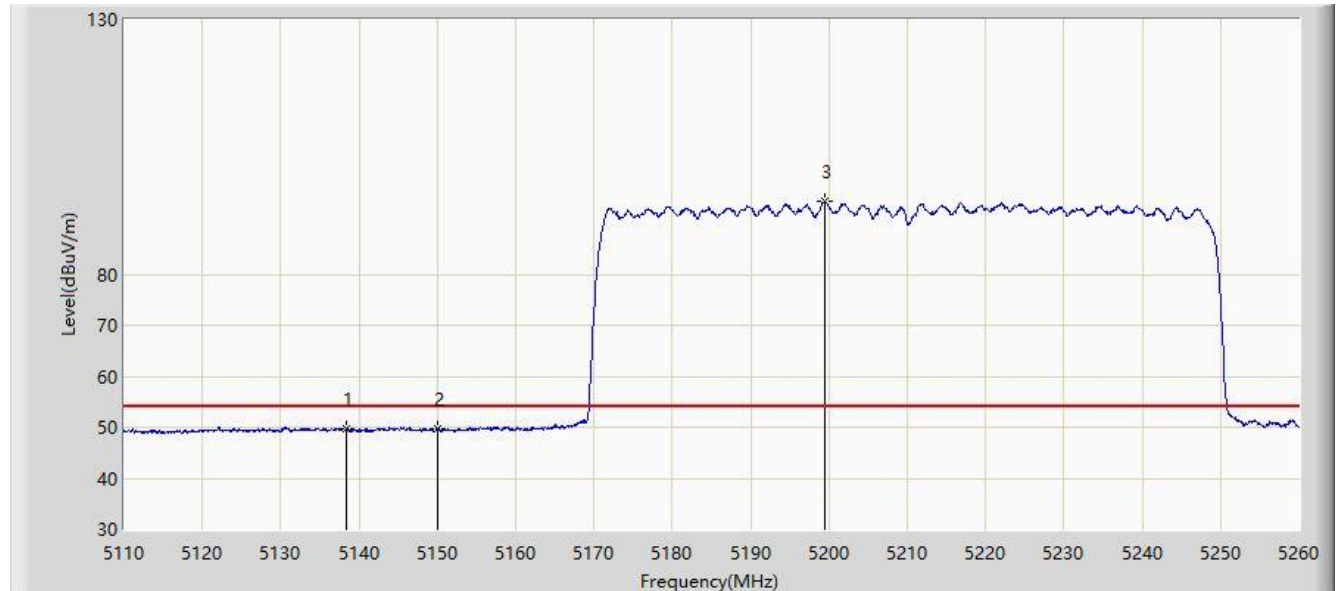


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			5135.275	62.513	58.592	-11.487	74.000	3.922	PK
2			5150.000	60.765	56.900	-13.235	74.000	3.865	PK
3		*	5192.050	106.048	102.540	N/A	N/A	3.508	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:55
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diaó
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5210MHz	

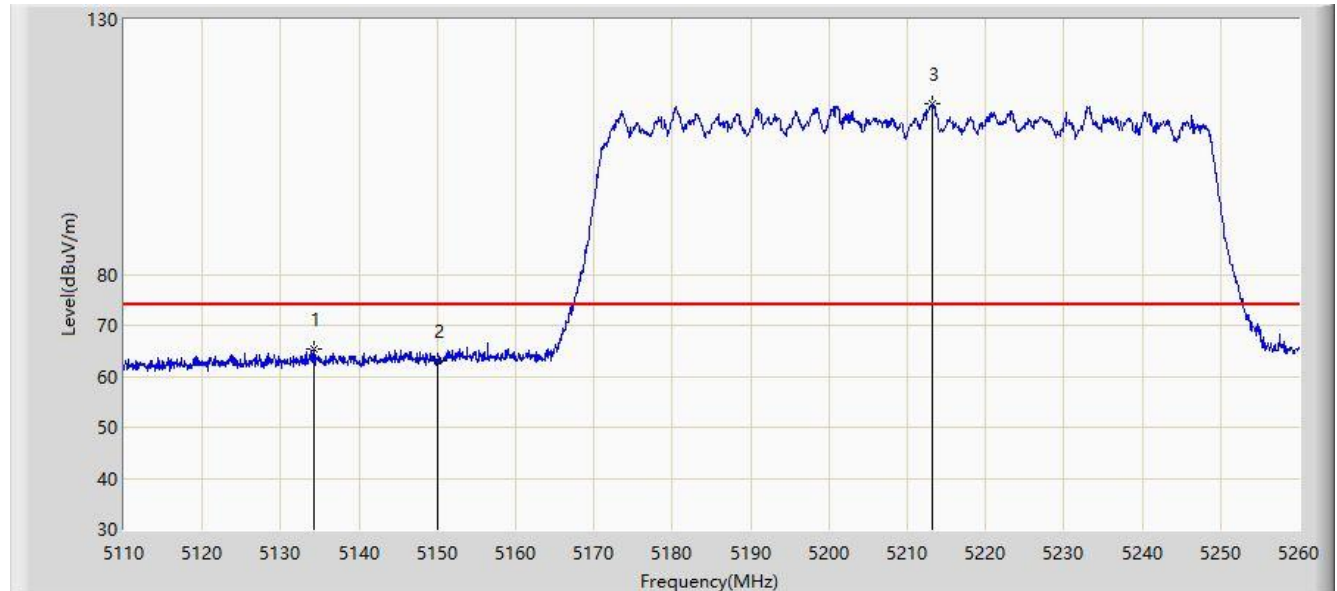


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.425	49.727	45.818	-4.273	54.000	3.910	AV
2			5150.000	49.697	45.832	-4.303	54.000	3.865	AV
3		*	5199.550	94.218	90.733	N/A	N/A	3.485	AV

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:53
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5210MH	

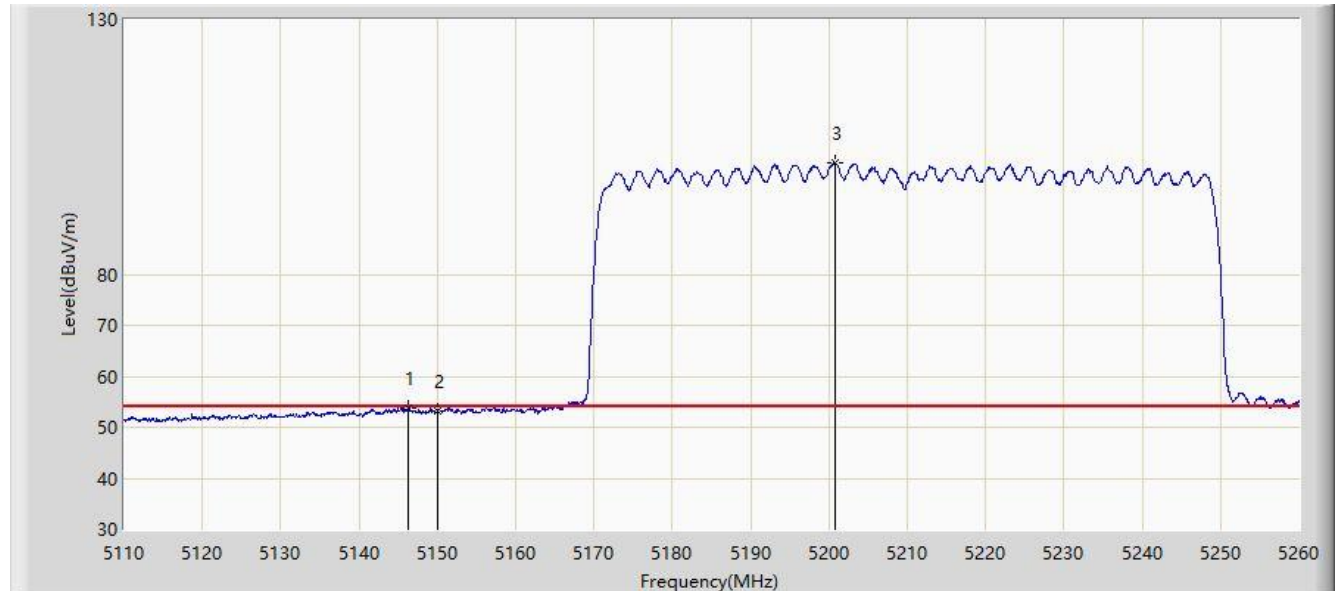


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5134.225	65.457	61.531	-8.543	74.000	3.926	PK
2			5150.000	63.000	59.135	-11.000	74.000	3.865	PK
3		*	5213.200	113.618	110.161	N/A	N/A	3.458	PK

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

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

Site: NS-AC1	Time: 2021/05/21 - 19:50
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5210MHz	

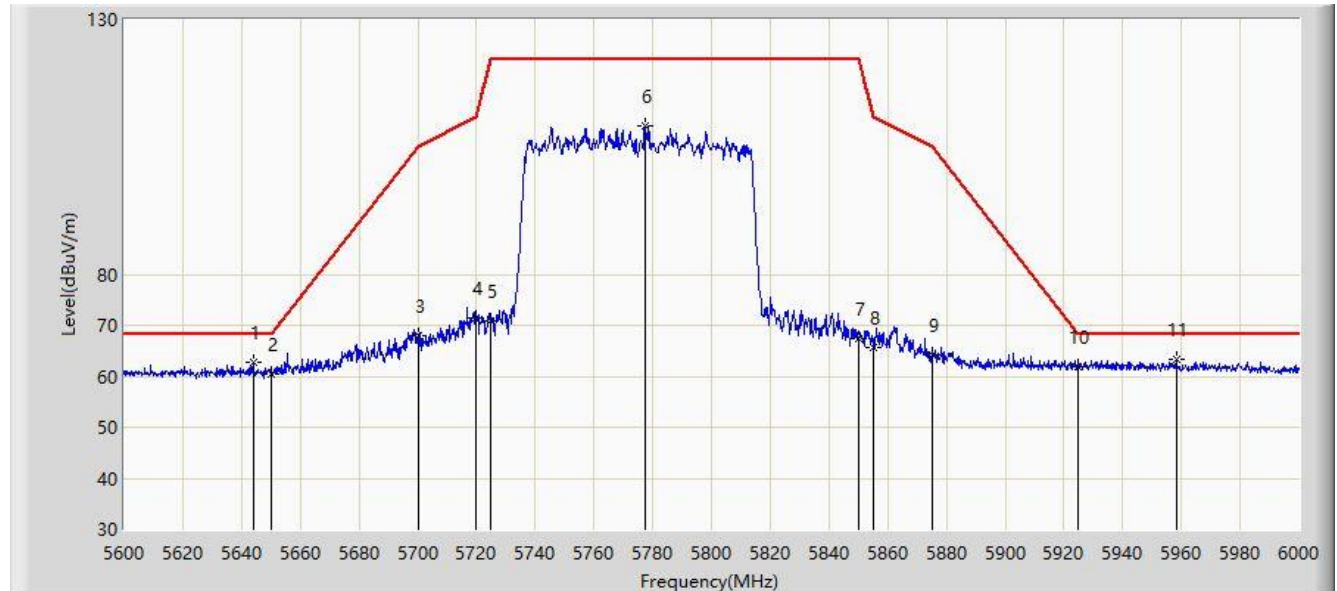


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.300	53.813	49.935	-0.187	54.000	3.878	AV
2			5150.000	53.293	49.428	-0.707	54.000	3.865	AV
3		*	5200.825	101.949	98.467	N/A	N/A	3.482	AV

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

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

Site: NS-AC1	Time: 2021/05/22 - 11:24
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5775MHz	

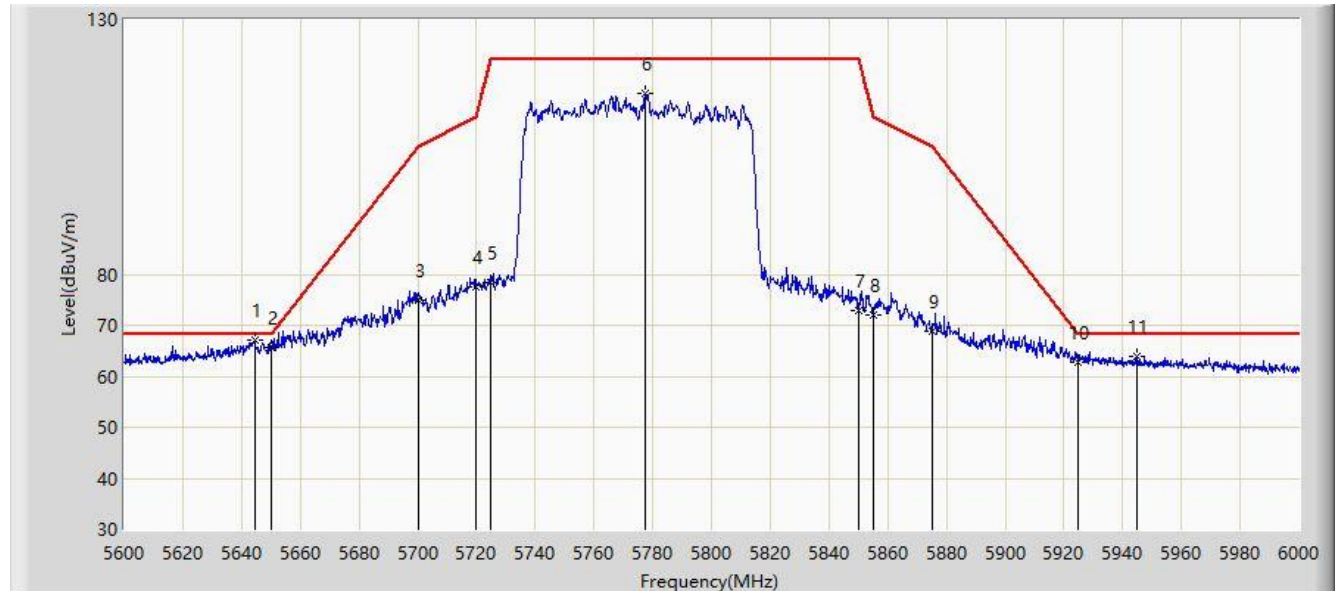


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.000	62.861	58.740	-5.339	68.200	4.122	PK
2			5650.000	60.349	56.198	-7.851	68.200	4.151	PK
3			5700.000	68.061	63.748	-37.139	105.200	4.312	PK
4			5720.000	71.400	67.242	-39.400	110.800	4.158	PK
5			5725.000	70.887	66.763	-51.313	122.200	4.124	PK
6			5777.400	109.078	104.516	N/A	N/A	4.562	PK
7			5850.000	67.518	62.865	-54.682	122.200	4.653	PK
8			5855.000	65.661	60.977	-45.139	110.800	4.684	PK
9			5875.000	64.060	59.361	-41.140	105.200	4.700	PK
10			5925.000	61.815	56.859	-6.385	68.200	4.956	PK
11		*	5958.400	63.454	58.510	-4.746	68.200	4.943	PK

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

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

Site: NS-AC1	Time: 2021/05/22 - 11:21
Limit: FCC_Part 15_15.209_RE (3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at channel 5775MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5644.400	67.148	63.025	-1.052	68.200	4.123	PK
2			5650.000	65.674	61.523	-2.526	68.200	4.151	PK
3			5700.000	74.920	70.607	-30.280	105.200	4.312	PK
4			5720.000	77.500	73.342	-33.300	110.800	4.158	PK
5			5725.000	78.314	74.190	-43.886	122.200	4.124	PK
6			5777.400	115.585	111.023	N/A	N/A	4.562	PK
7			5850.000	72.956	68.303	-49.244	122.200	4.653	PK
8			5855.000	71.906	67.222	-38.894	110.800	4.684	PK
9			5875.000	68.967	64.268	-36.233	105.200	4.700	PK
10			5925.000	62.644	57.688	-5.556	68.200	4.956	PK
11			5945.000	64.010	59.041	-4.190	68.200	4.969	PK

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

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

5.10. AC Conducted Emissions Measurement

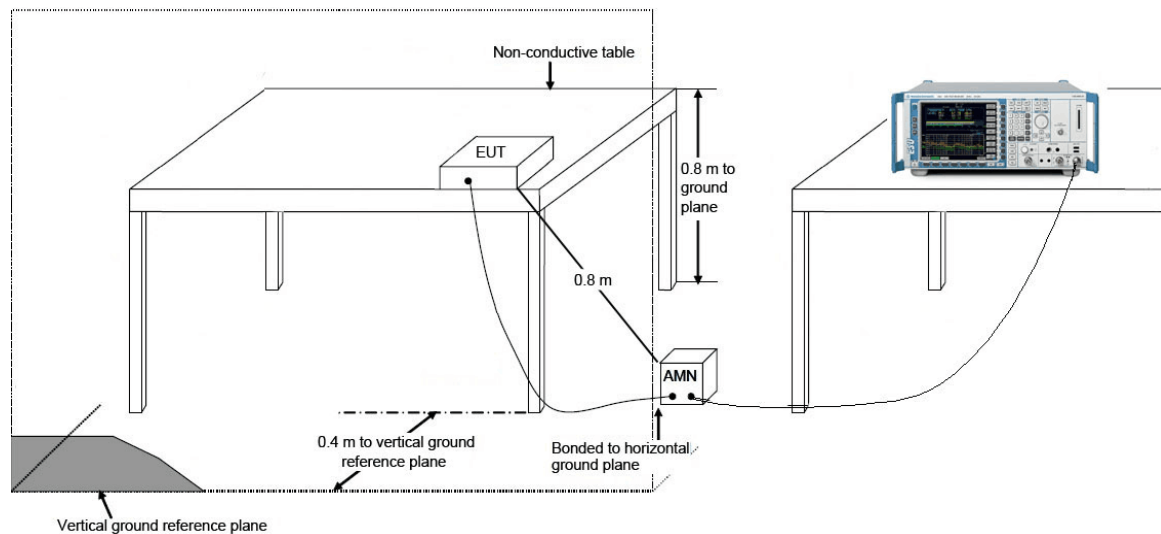
5.10.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	Average (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

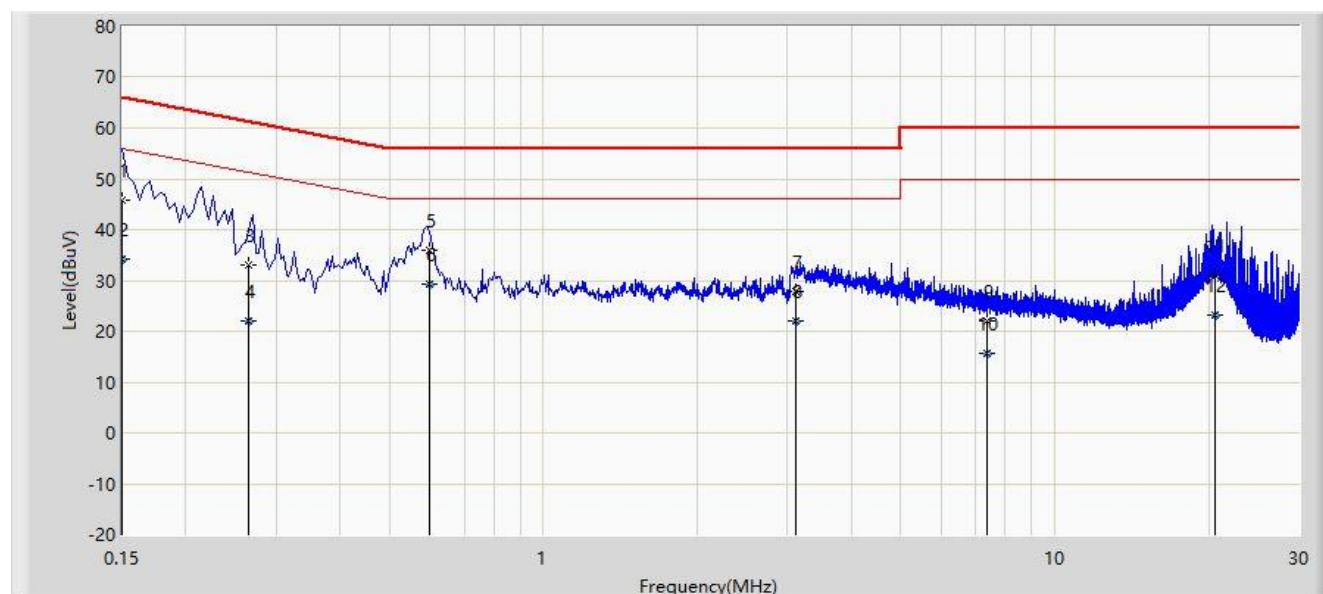
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

5.10.2. Test Setup



5.10.3.Test Result

Site: NS-SR2	Time: 2021/05/10
Limit: FCC_Part15.207_CE_AC Power	Engineer: Summer Tang
Probe: ENV216_102493_Filter Off_0.15~30MHz	Polarity: Line
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	

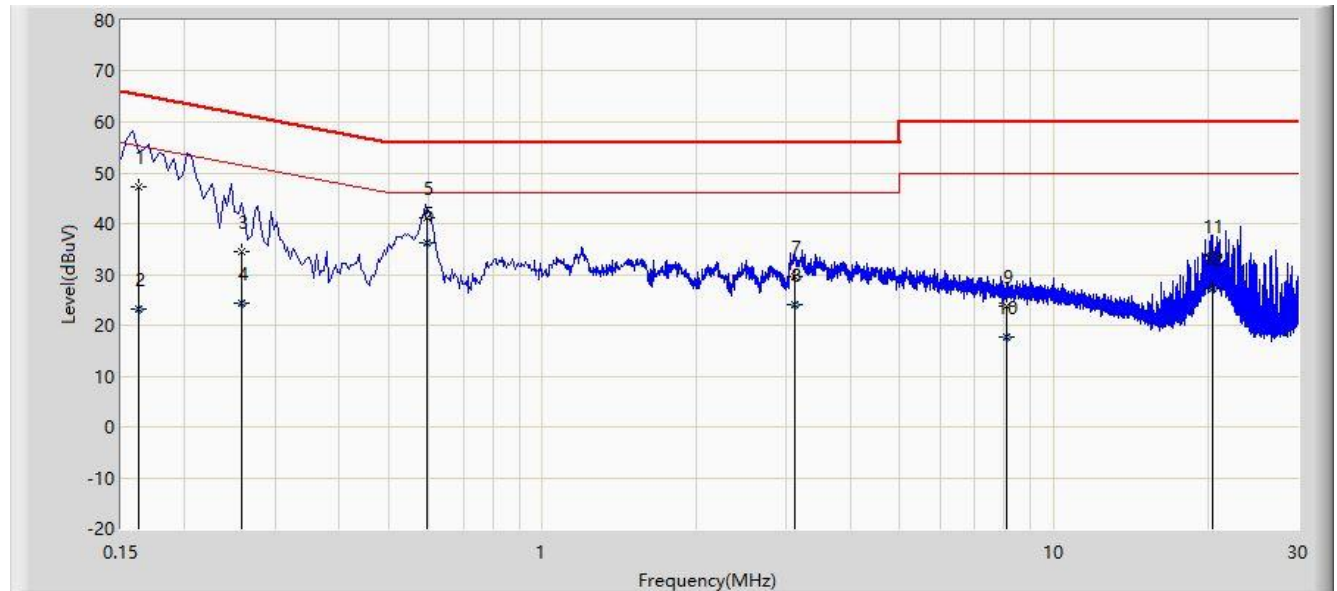


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1			0.150	45.909	36.374	-20.091	66.000	9.536	QP
2			0.150	34.107	24.572	-21.893	56.000	9.536	AV
3			0.266	32.935	23.399	-28.307	61.242	9.536	QP
4			0.266	22.116	12.580	-29.126	51.242	9.536	AV
5			0.598	35.819	26.249	-20.181	56.000	9.570	QP
6		*	0.598	29.133	19.563	-16.867	46.000	9.570	AV
7			3.122	27.923	18.264	-28.077	56.000	9.659	QP
8			3.122	21.988	12.329	-24.012	46.000	9.659	AV
9			7.378	22.171	12.428	-37.829	60.000	9.744	QP
10			7.378	15.684	5.940	-34.316	50.000	9.744	AV
11			20.560	30.932	21.076	-29.068	60.000	9.856	QP
12			20.560	23.300	13.445	-26.700	50.000	9.856	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: NS-SR2	Time: 2021/05/10
Limit: FCC_Part15.207_CE_AC Power	Engineer: Summer Tang
Probe: ENV216_102493_Filter Off_0.15~30MHz	Polarity: Neutral
EUT: AX1800 Dual-band Mesh WiFi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1			0.162	47.292	37.753	-18.069	65.361	9.538	QP
2			0.162	23.140	13.602	-32.221	55.361	9.538	AV
3			0.258	34.600	25.059	-26.896	61.496	9.540	QP
4			0.258	24.333	14.792	-27.162	51.496	9.540	AV
5			0.594	41.285	31.716	-14.715	56.000	9.569	QP
6		*	0.594	36.354	26.784	-9.646	46.000	9.569	AV
7			3.122	29.694	20.034	-26.306	56.000	9.660	QP
8			3.122	24.095	14.435	-21.905	46.000	9.660	AV
9			8.070	23.792	14.022	-36.208	60.000	9.770	QP
10			8.070	17.782	8.012	-32.218	50.000	9.770	AV
11			20.378	33.618	23.650	-26.382	60.000	9.968	QP
12			20.378	27.113	17.144	-22.887	50.000	9.968	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

6. CONCLUSION

The data collected relate only the item(s) tested and show that the device is compliance with Part 15E of the FCC rules.

The End

Appendix A - Test Setup Photograph

Refer to “2105RSZ007-UT” file.

Appendix B-EUT Photograph

Refer to “2105RSZ007-UE” file.