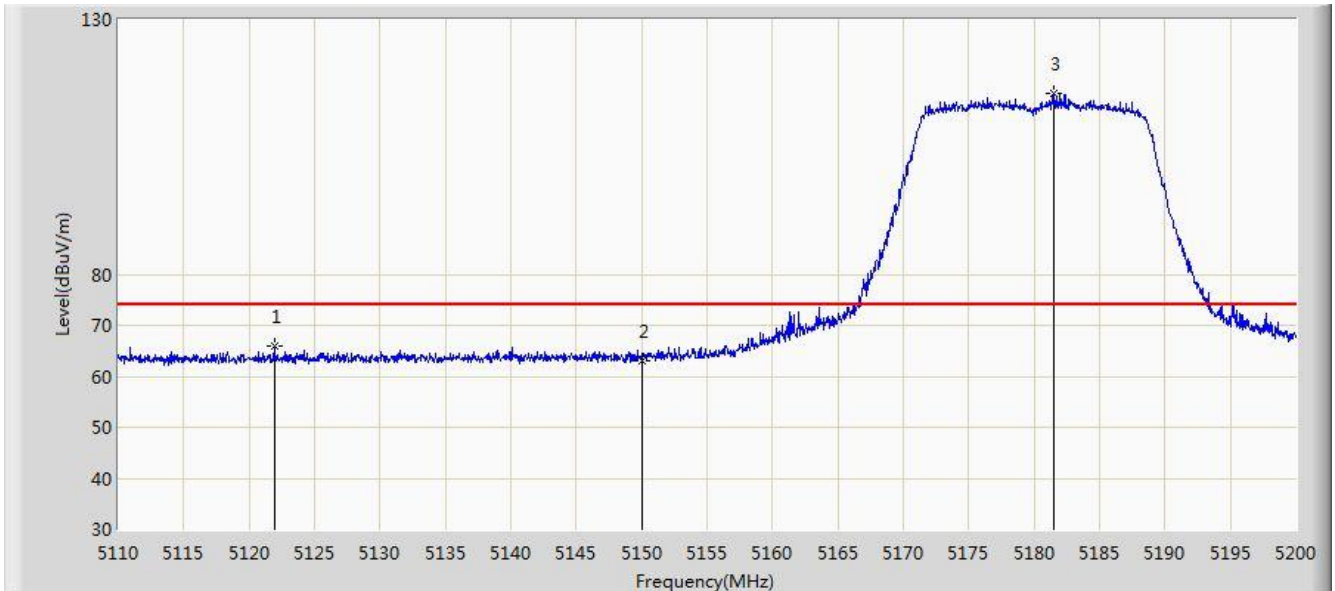


Site: AC1	Time: 2019/11/28 - 03:55
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz (Non Beam-Forming Mode)	

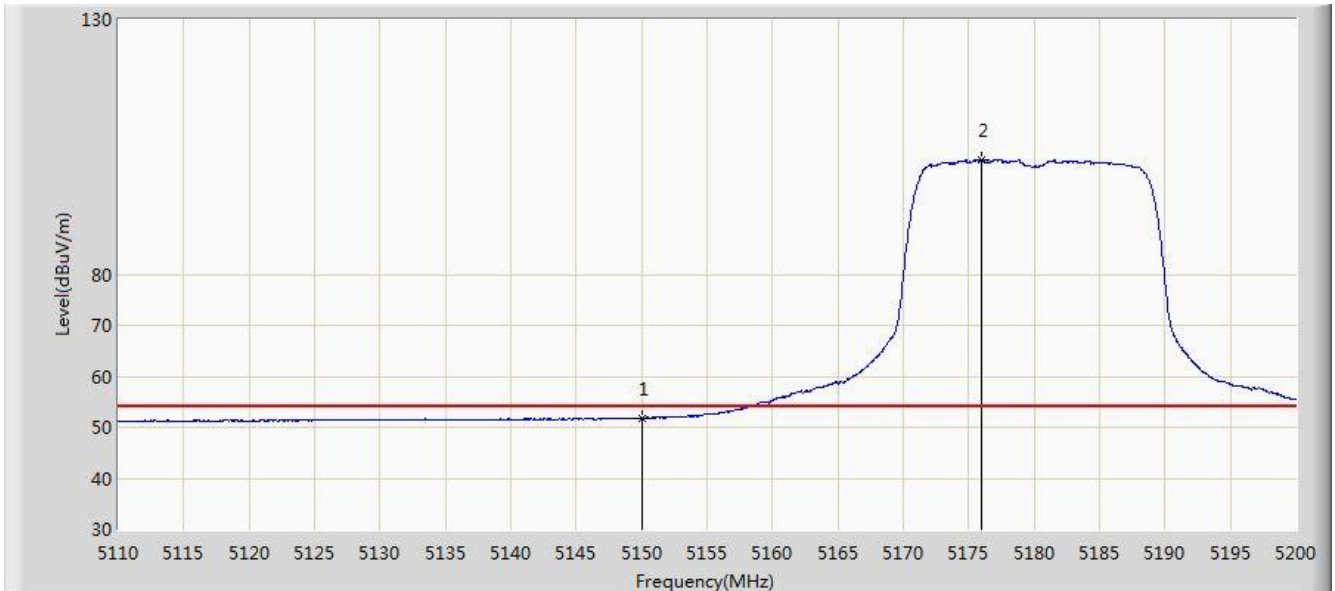


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5121.925	65.895	59.157	-8.105	74.000	6.738	PK
2			5150.000	63.104	56.305	-10.896	74.000	6.799	PK
3		*	5181.550	115.598	108.807	N/A	N/A	6.791	PK

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

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

Site: AC1	Time: 2019/11/28 - 03:56
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz (Non Beam-Forming Mode)	

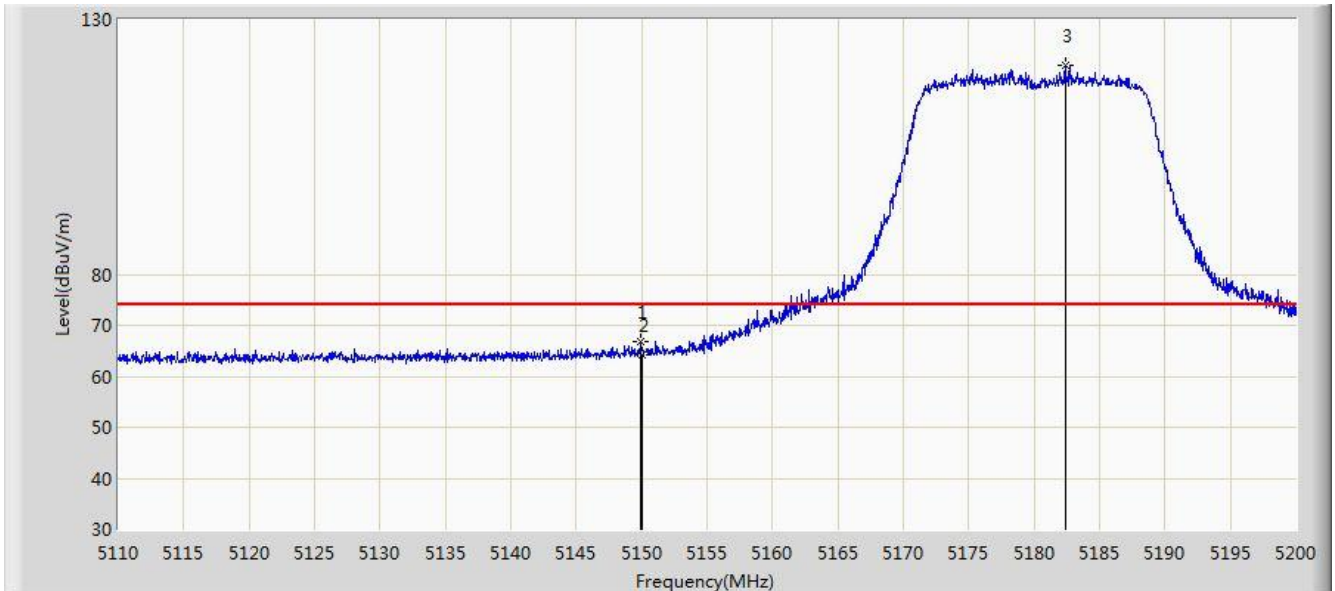


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.740	44.941	-2.260	54.000	6.799	AV
2		*	5176.015	102.543	95.731	N/A	N/A	6.812	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:51
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz (Non Beam-Forming Mode)	

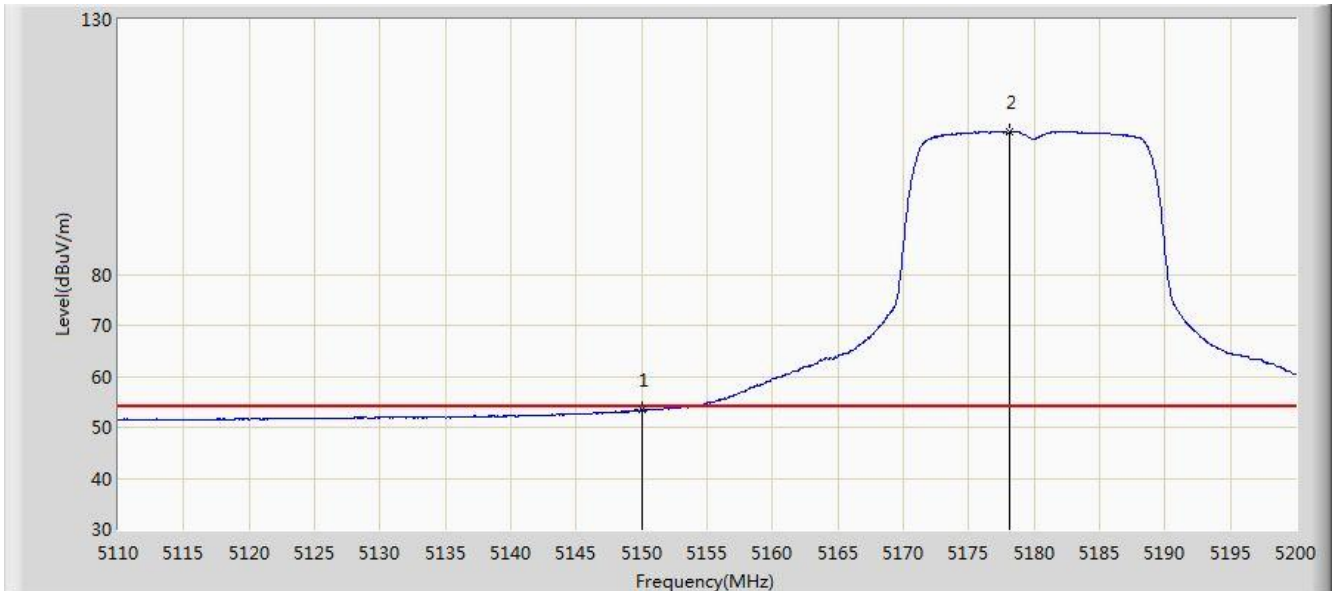


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.915	66.822	60.023	-7.178	74.000	6.798	PK
2			5150.000	64.240	57.441	-9.760	74.000	6.799	PK
3		*	5182.360	121.146	114.362	N/A	N/A	6.784	PK

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

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

Site: AC1	Time: 2019/11/28 - 03:52
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz (Non Beam-Forming Mode)	

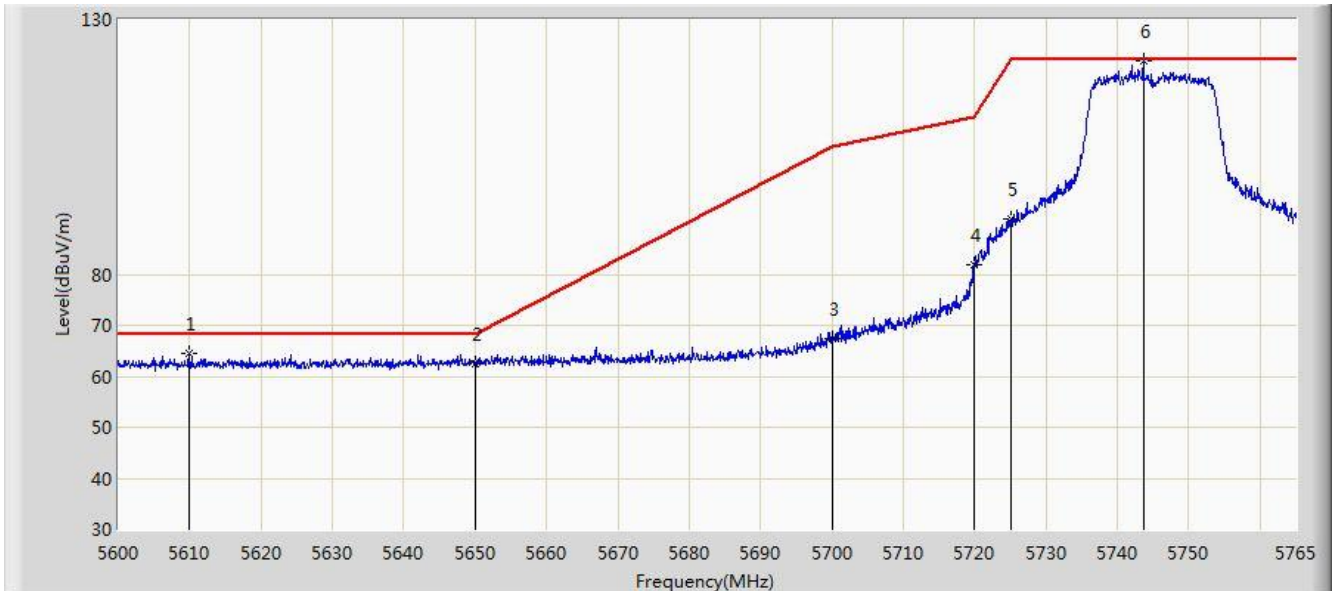


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.414	46.615	-0.586	54.000	6.799	AV
2		*	5178.085	107.909	101.105	N/A	N/A	6.804	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:18
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz (Non Beam-Forming Mode)	

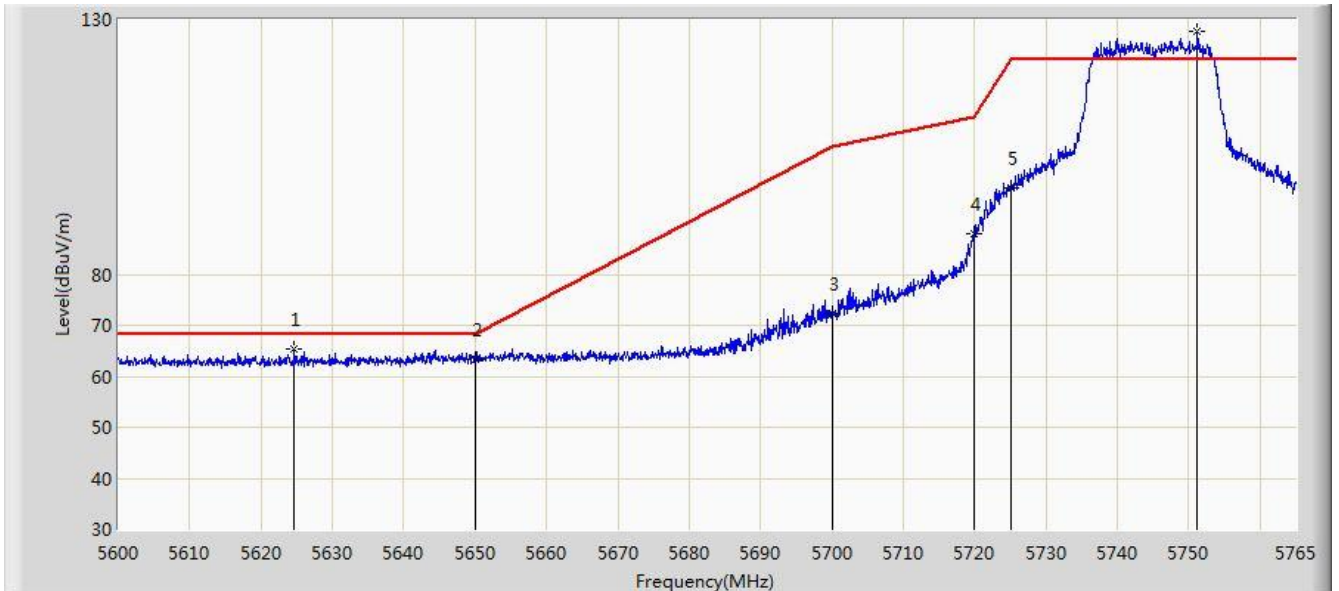


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5609.900	64.547	57.482	-3.653	68.200	7.065	PK
2			5650.000	62.500	55.360	-5.700	68.200	7.140	PK
3			5700.000	67.522	60.307	-37.678	105.200	7.215	PK
4			5720.000	82.000	74.727	-28.800	110.800	7.273	PK
5			5725.000	90.745	83.413	-31.455	122.200	7.332	PK
6		*	5743.632	122.009	114.577	N/A	N/A	7.445	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: AC1	Time: 2019/11/28 - 03:18
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz (Non Beam-Forming Mode)	

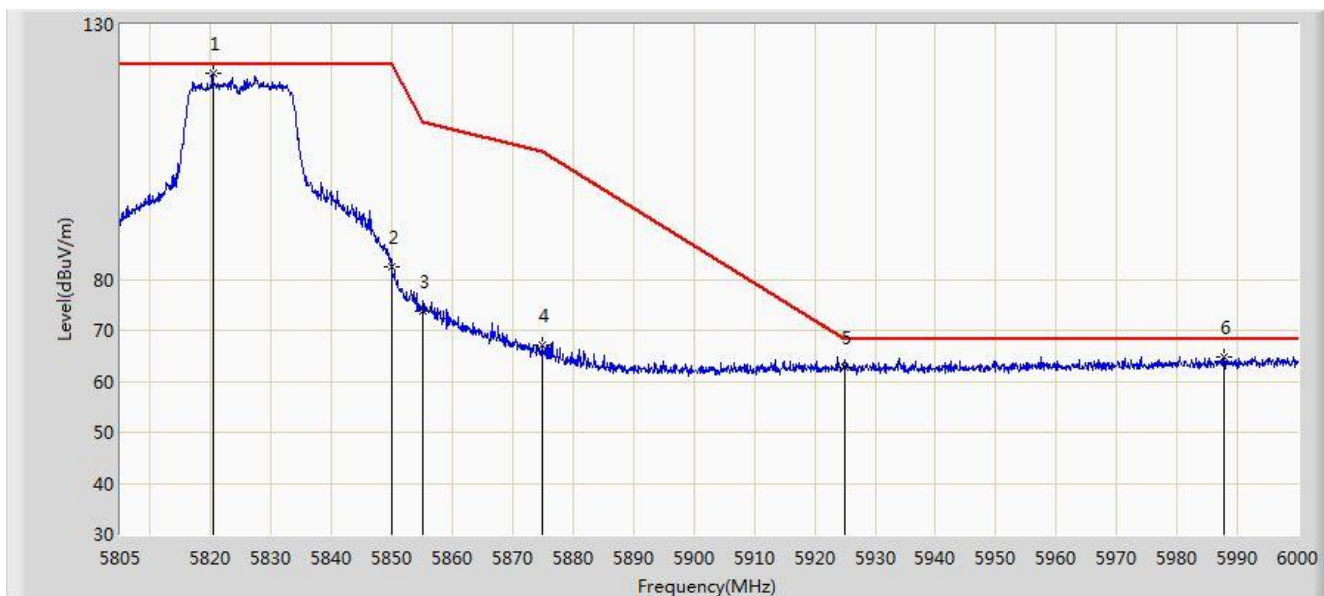


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5624.667	65.233	58.216	-2.967	68.200	7.028	PK
2			5650.000	63.357	56.217	-4.843	68.200	7.140	PK
3			5700.000	72.207	64.992	-32.993	105.200	7.215	PK
4			5720.000	88.091	80.818	-22.709	110.800	7.273	PK
5			5725.000	97.083	89.751	-25.117	122.200	7.332	PK
6		*	5751.223	127.573	120.146	N/A	N/A	7.437	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: AC1	Time: 2019/11/28 - 03:19
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz (Non Beam-Forming Mode)	

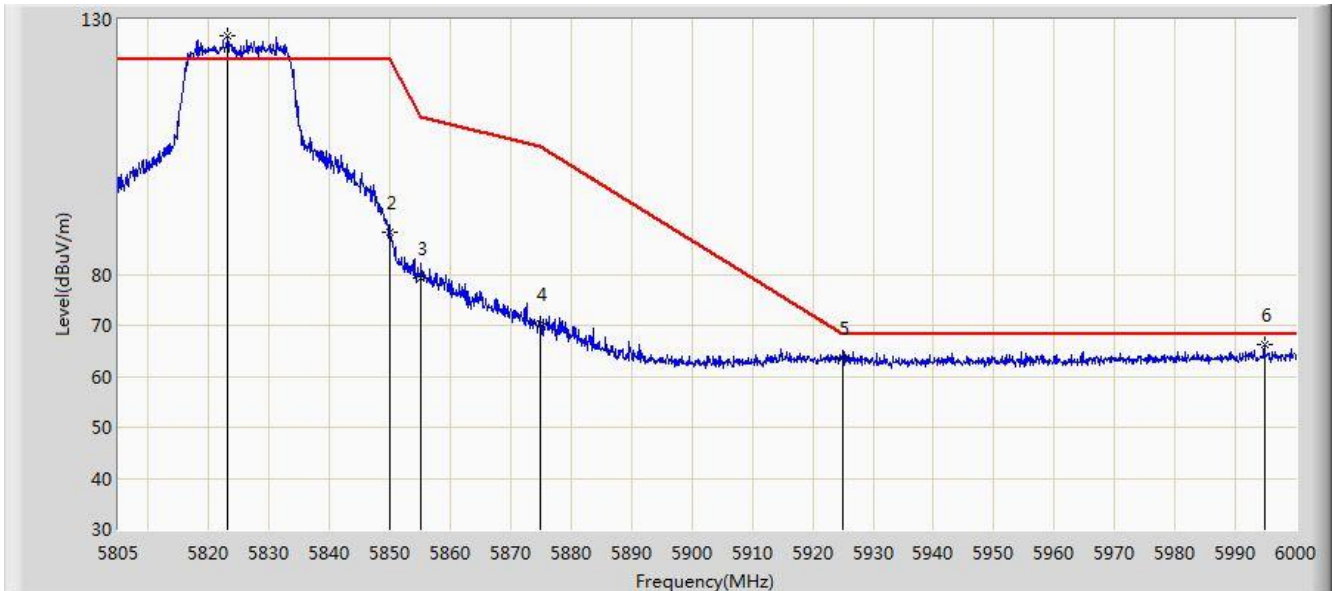


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.308	120.506	112.886	N/A	N/A	7.625	PK
2			5850.000	82.394	74.703	-39.806	122.200	7.692	PK
3			5855.000	73.829	66.185	-36.971	110.800	7.644	PK
4			5875.000	67.121	59.519	-38.079	105.200	7.602	PK
5			5925.000	62.814	54.988	-5.386	68.200	7.826	PK
6			5987.715	64.763	56.964	-3.437	68.200	7.799	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: AC1	Time: 2019/11/28 - 03:19
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz (Non Beam-Forming Mode)	

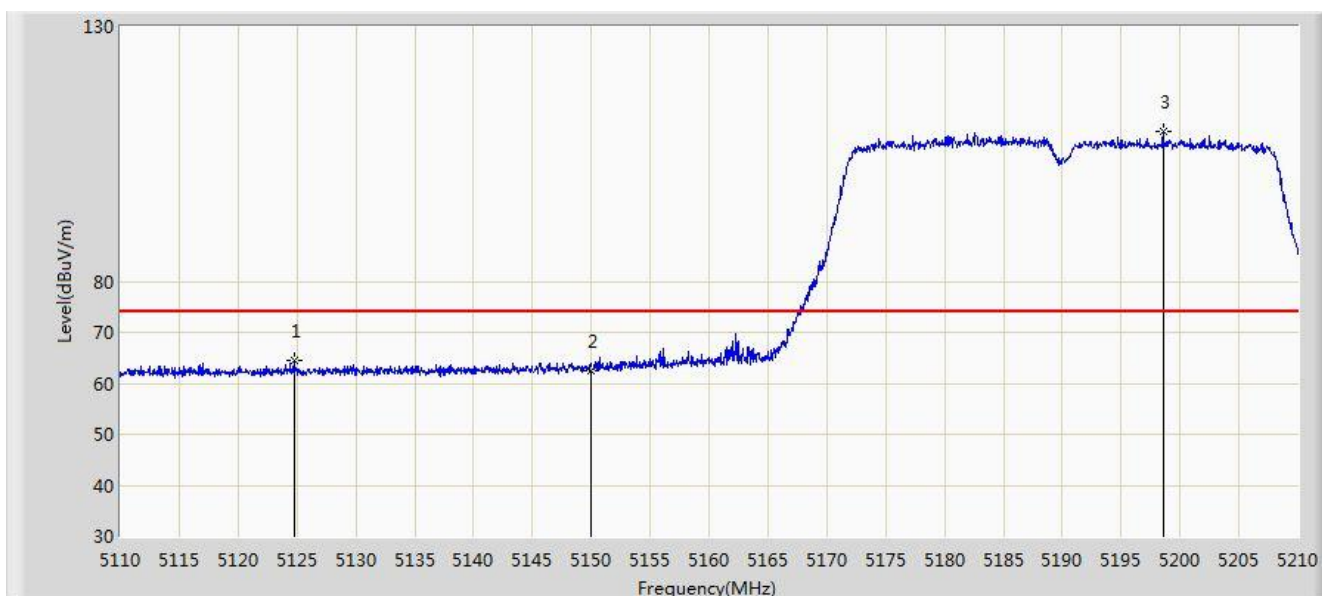


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.135	126.735	119.062	N/A	N/A	7.677	PK
2			5850.000	88.135	80.444	-34.065	122.200	7.692	PK
3			5855.000	79.316	71.672	-31.484	110.800	7.644	PK
4			5875.000	70.209	62.607	-34.991	105.200	7.602	PK
5			5925.000	63.582	55.755	-4.618	68.200	7.826	PK
6			5994.833	66.349	58.468	-1.851	68.200	7.882	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: AC1	Time: 2019/11/28 - 04:01
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz (Non Beam-Forming Mode)	

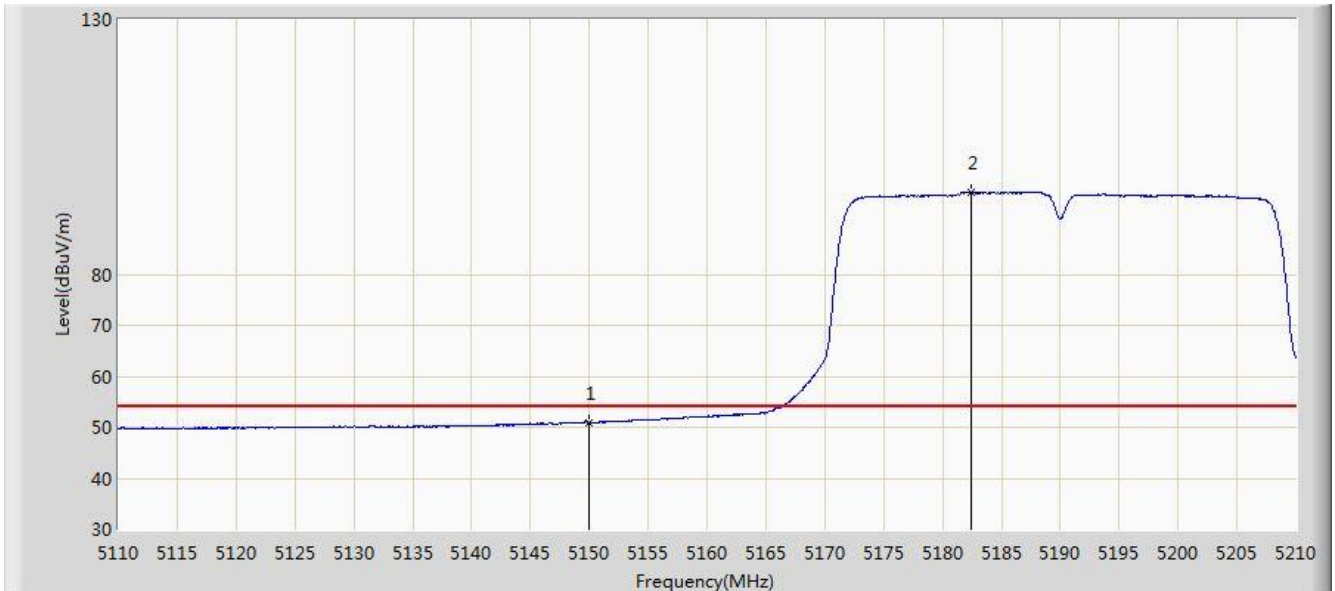


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5124.750	64.520	57.744	-9.480	74.000	6.776	PK
2			5150.000	62.517	55.718	-11.483	74.000	6.799	PK
3		*	5198.550	109.357	102.823	N/A	N/A	6.533	PK

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

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

Site: AC1	Time: 2019/11/28 - 04:02
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz (Non Beam-Forming Mode)	

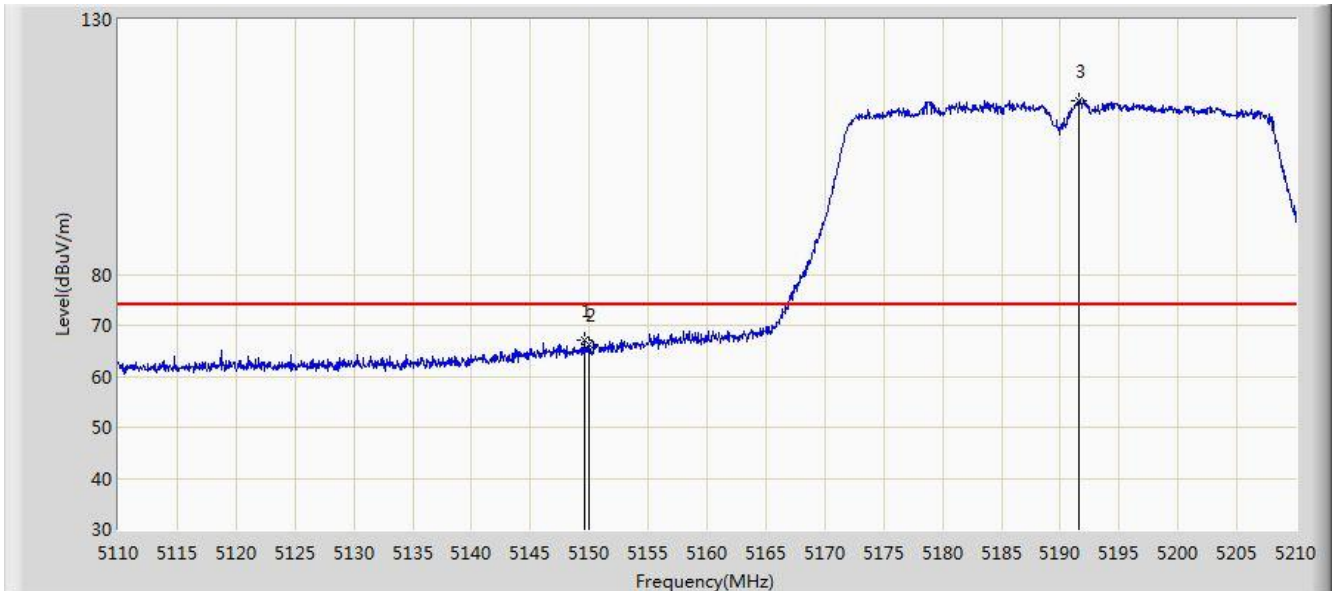


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.958	44.159	-3.042	54.000	6.799	AV
2		*	5182.400	96.063	89.280	N/A	N/A	6.784	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:57
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz (Non Beam-Forming Mode)	

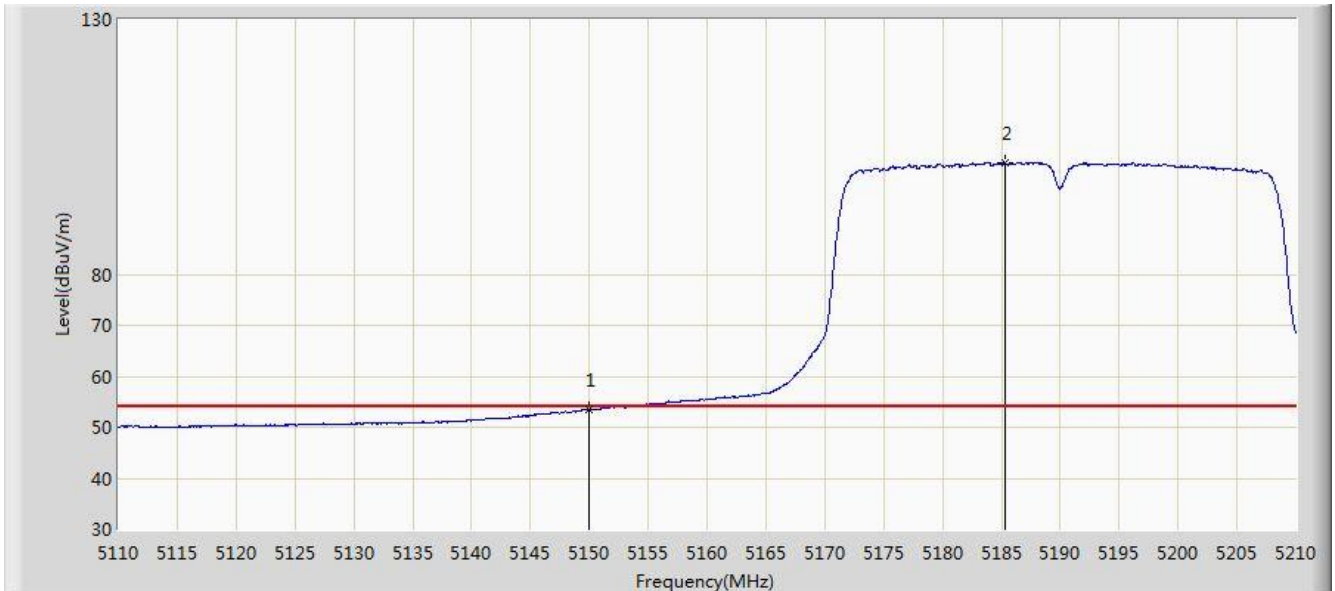


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.550	66.978	60.181	-7.022	74.000	6.797	PK
2			5150.000	66.115	59.316	-7.885	74.000	6.799	PK
3		*	5191.550	114.086	107.444	N/A	N/A	6.641	PK

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

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

Site: AC1	Time: 2019/11/28 - 03:58
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz (Non Beam-Forming Mode)	

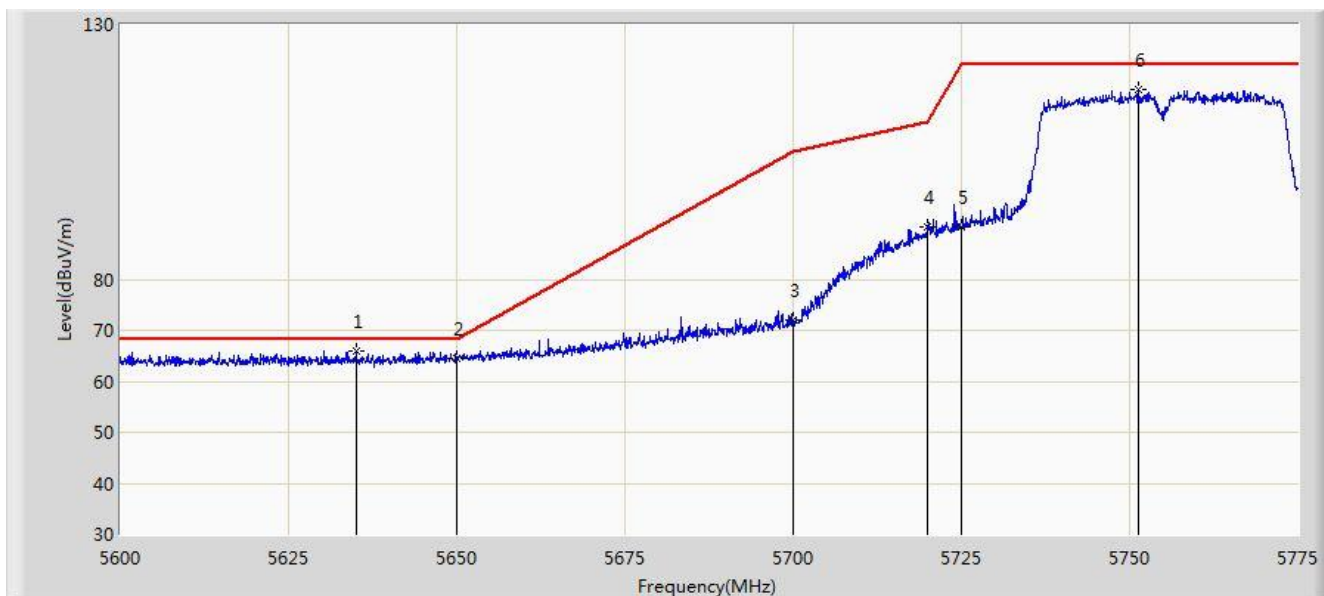


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.471	46.672	-0.529	54.000	6.799	AV
2		*	5185.300	101.896	95.158	N/A	N/A	6.738	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:22
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz (Non Beam-Forming Mode)	

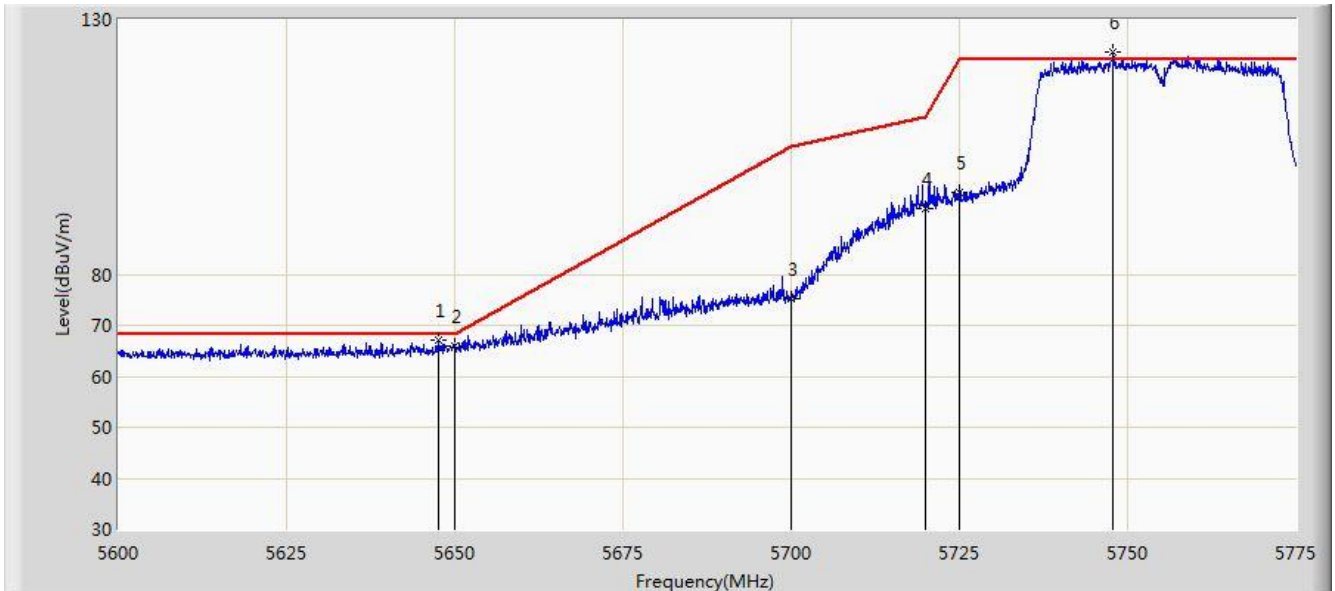


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5635.000	66.013	59.036	-2.187	68.200	6.976	PK
2			5650.000	64.539	57.399	-3.661	68.200	7.140	PK
3			5700.000	71.893	64.678	-33.307	105.200	7.215	PK
4			5720.000	90.418	83.145	-20.382	110.800	7.273	PK
5			5725.000	90.256	82.924	-31.944	122.200	7.332	PK
6			5751.288	117.260	109.831	N/A	N/A	7.437	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: AC1	Time: 2019/11/28 - 03:22
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz (Non Beam-Forming Mode)	

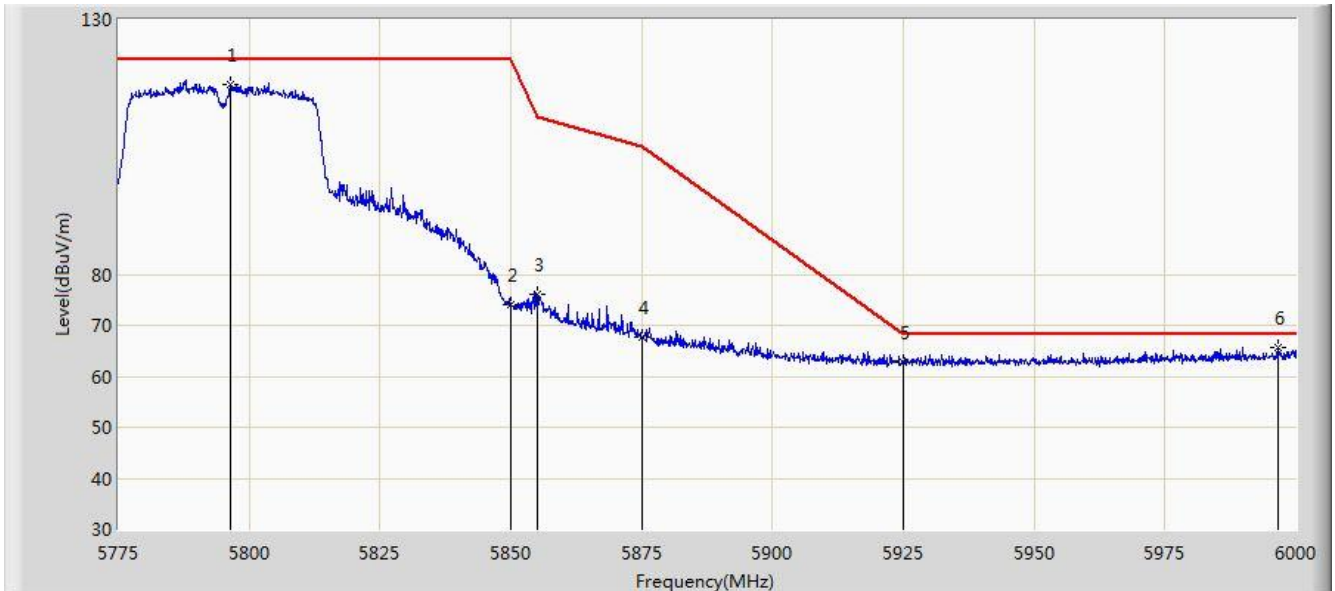


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.513	67.054	59.971	-1.146	68.200	7.087	PK
2			5650.000	66.074	58.934	-2.126	68.200	7.140	PK
3			5700.000	75.162	67.947	-30.038	105.200	7.215	PK
4			5720.000	92.991	85.718	-17.809	110.800	7.273	PK
5			5725.000	96.093	88.761	-26.107	122.200	7.332	PK
6		*	5747.875	123.550	116.110	N/A	N/A	7.441	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: AC1	Time: 2019/11/28 - 03:23
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz (Non Beam-Forming Mode)	

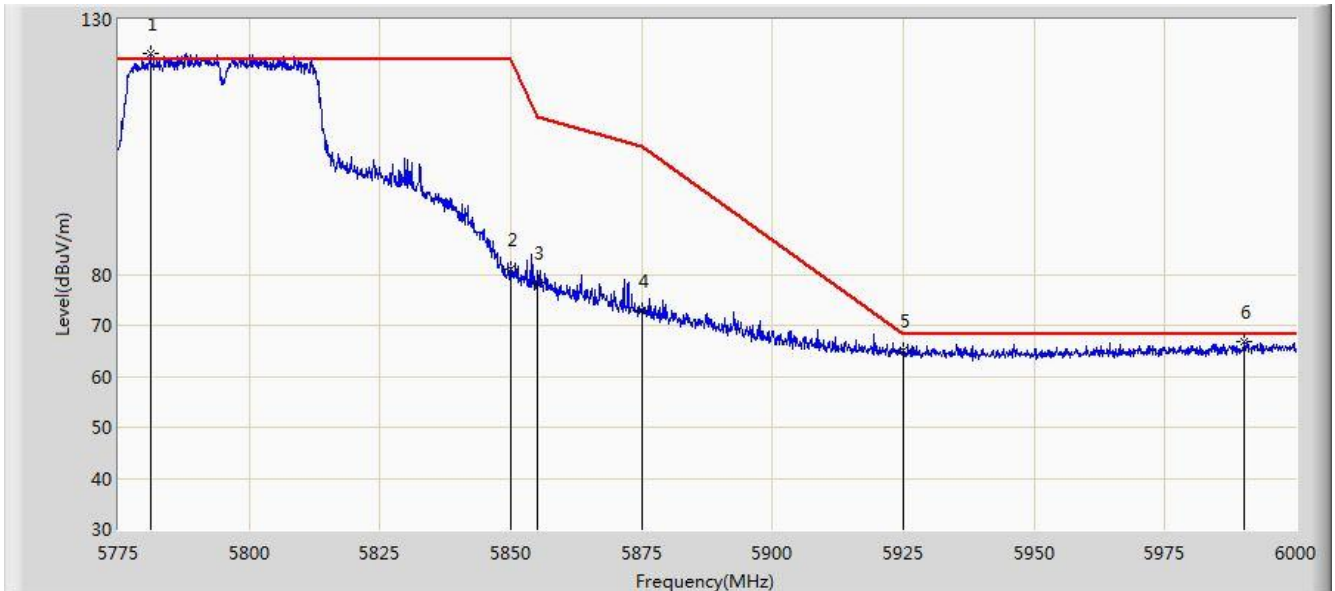


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5796.375	117.373	109.890	N/A	N/A	7.483	PK
2			5850.000	73.974	66.282	-48.226	122.200	7.692	PK
3			5855.000	75.945	68.301	-34.855	110.800	7.644	PK
4			5875.000	67.604	60.003	-37.596	105.200	7.602	PK
5			5925.000	62.838	55.012	-5.362	68.200	7.826	PK
6		*	5996.625	65.751	57.849	-2.449	68.200	7.901	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: AC1	Time: 2019/11/28 - 03:23
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz (Non Beam-Forming Mode)	

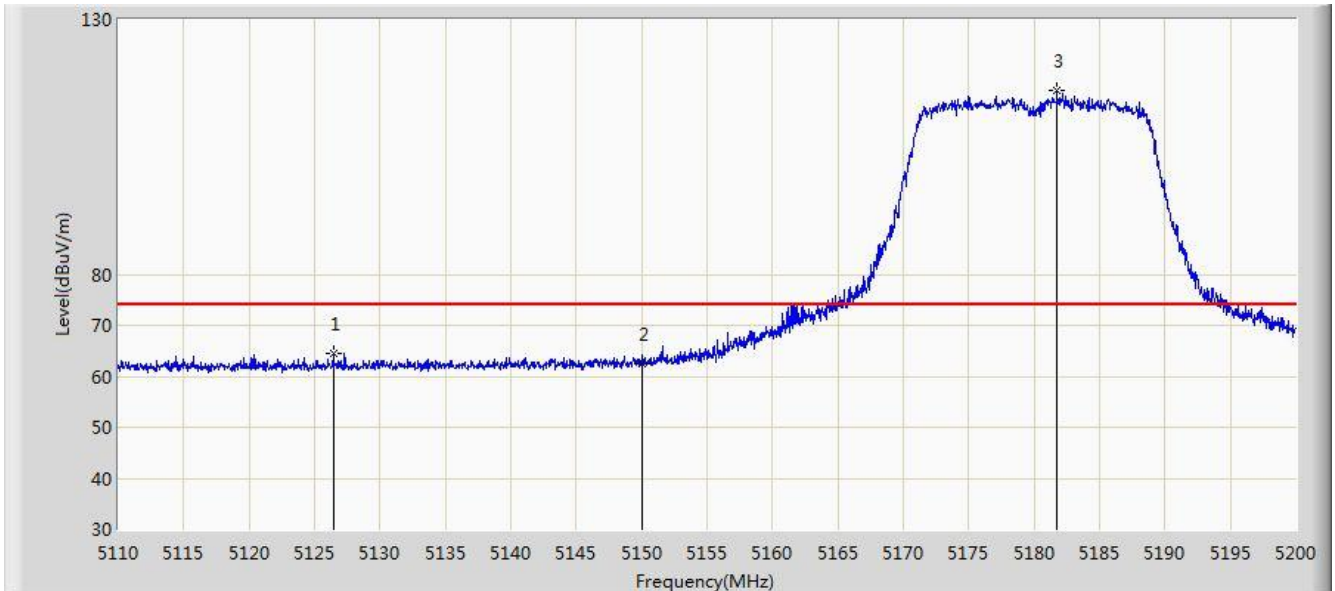


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5781.187	123.313	115.781	N/A	N/A	7.542	PK
2			5850.000	81.130	73.439	-41.070	122.200	7.692	PK
3			5855.000	78.507	70.863	-32.293	110.800	7.644	PK
4			5875.000	72.995	65.393	-32.205	105.200	7.602	PK
5			5925.000	65.142	57.316	-3.058	68.200	7.826	PK
6			5990.212	66.885	59.057	-1.315	68.200	7.828	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: AC1	Time: 2019/11/28 - 03:25
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (Non Beam-Forming Mode)	

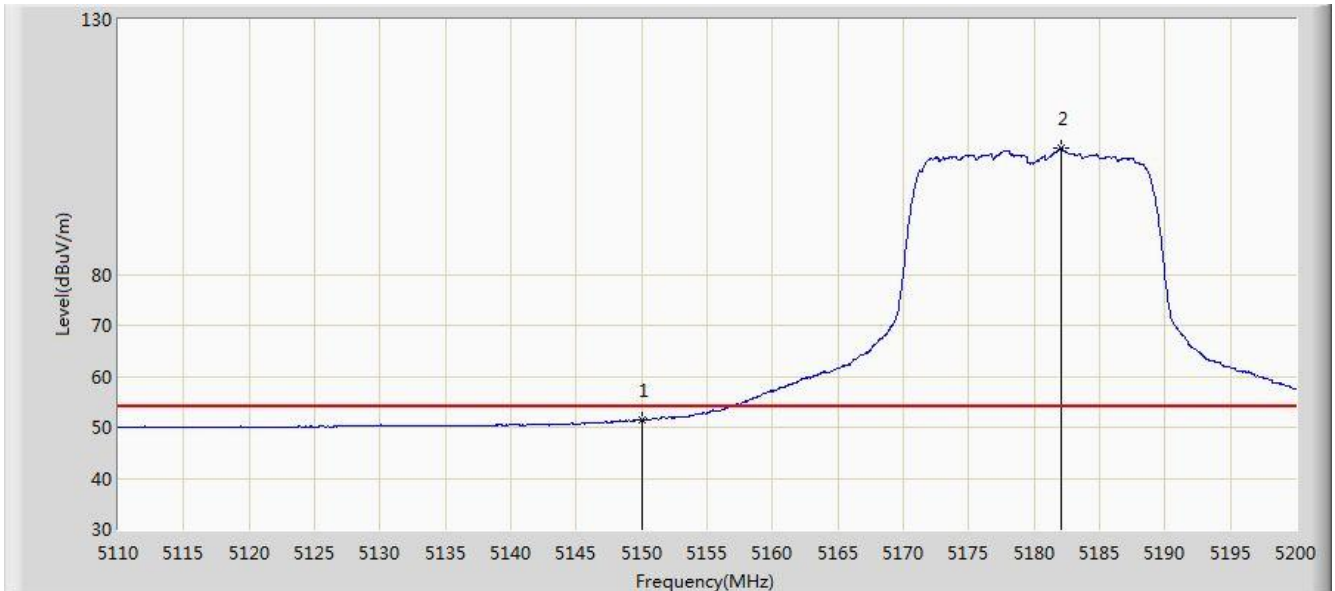


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5126.425	64.542	57.749	-9.458	74.000	6.798	PK
2			5150.000	62.334	55.535	-11.666	74.000	6.799	PK
3		*	5181.730	116.208	109.419	N/A	N/A	6.791	PK

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

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

Site: AC1	Time: 2019/11/28 - 03:25
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (Non Beam-Forming Mode)	

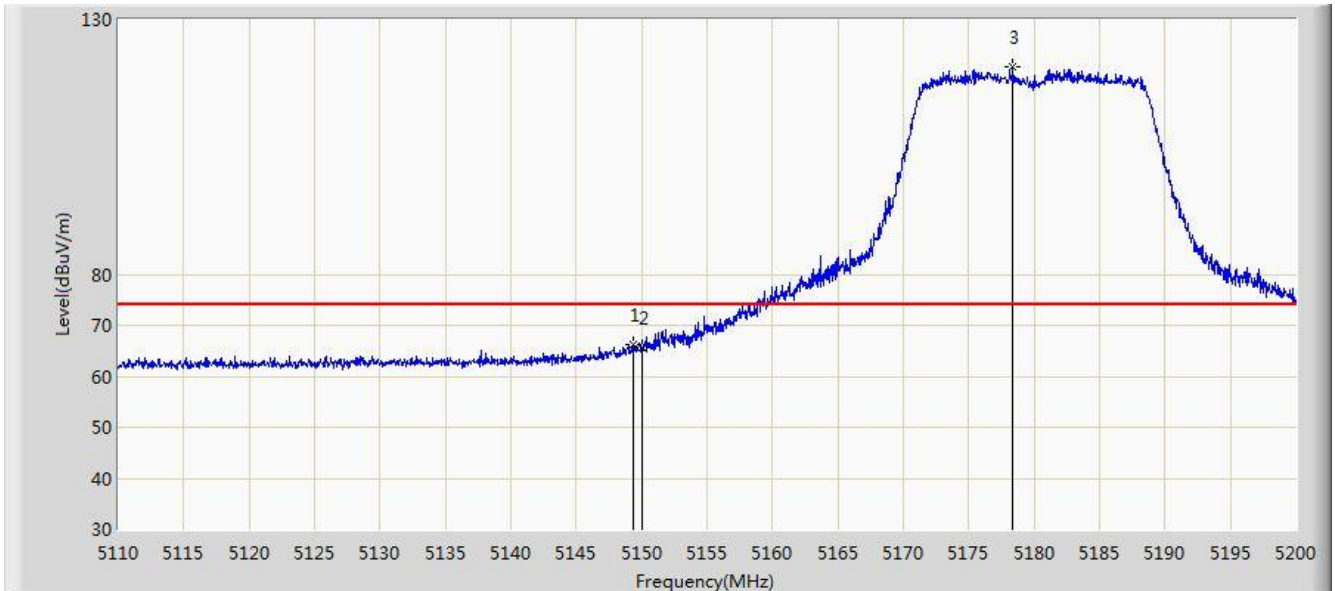


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.439	44.640	-2.561	54.000	6.799	AV
2		*	5182.090	104.896	98.108	N/A	N/A	6.789	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:25
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (Non Beam-Forming Mode)	

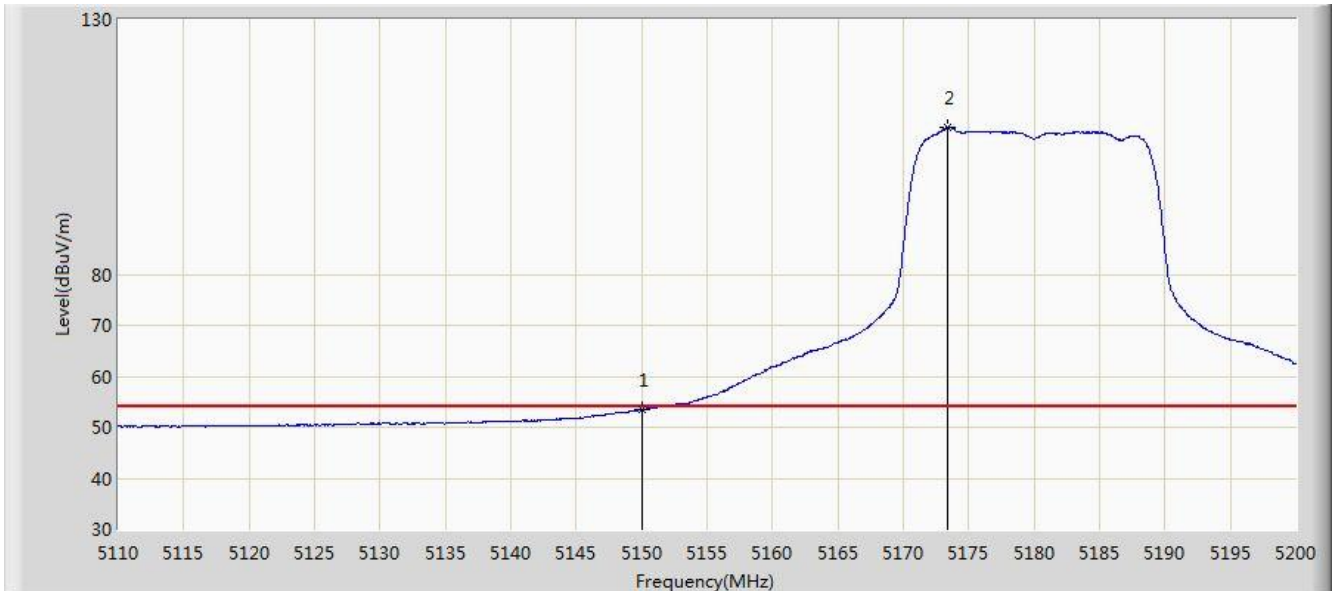


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.375	66.373	59.577	-7.627	74.000	6.796	PK
2			5150.000	65.657	58.858	-8.343	74.000	6.799	PK
3		*	5178.400	120.607	113.811	N/A	N/A	6.803	PK

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

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

Site: AC1	Time: 2019/11/28 - 03:25
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (Non Beam-Forming Mode)	

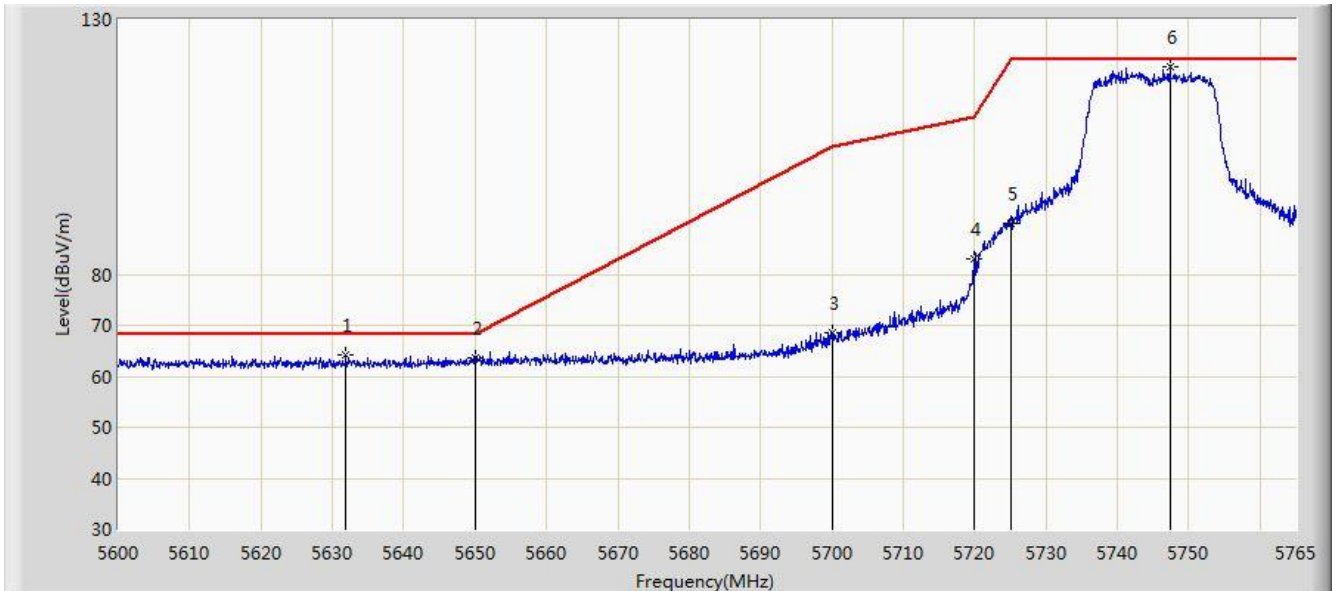


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.411	46.612	-0.589	54.000	6.799	AV
2	X	*	5173.360	108.812	101.990	N/A	N/A	6.823	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:27
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz (Non Beam-Forming Mode)	

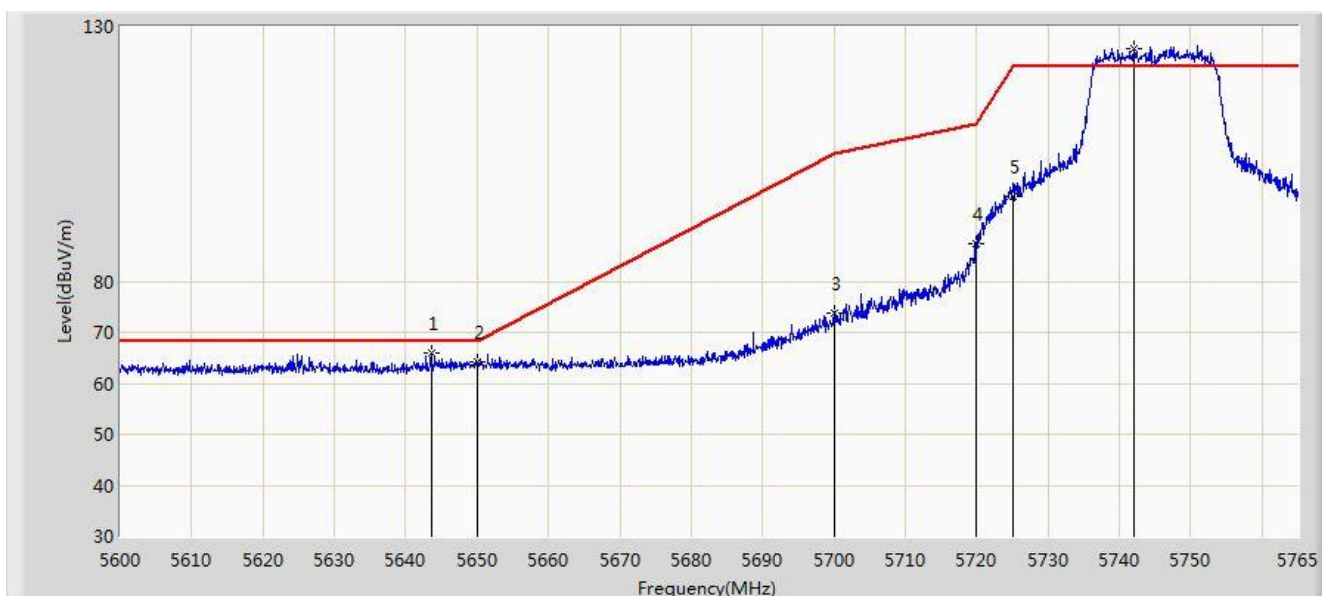


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5631.928	64.154	57.169	-4.046	68.200	6.993	PK
2			5650.000	63.759	56.618	-4.441	68.200	7.140	PK
3			5700.000	68.553	61.337	-36.647	105.200	7.215	PK
4			5720.000	83.062	75.789	-27.738	110.800	7.273	PK
5			5725.000	89.978	82.646	-32.222	122.200	7.332	PK
6		*	5747.428	120.862	113.430	N/A	N/A	7.441	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: AC1	Time: 2019/11/28 - 03:27
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz (Non Beam-Forming Mode)	

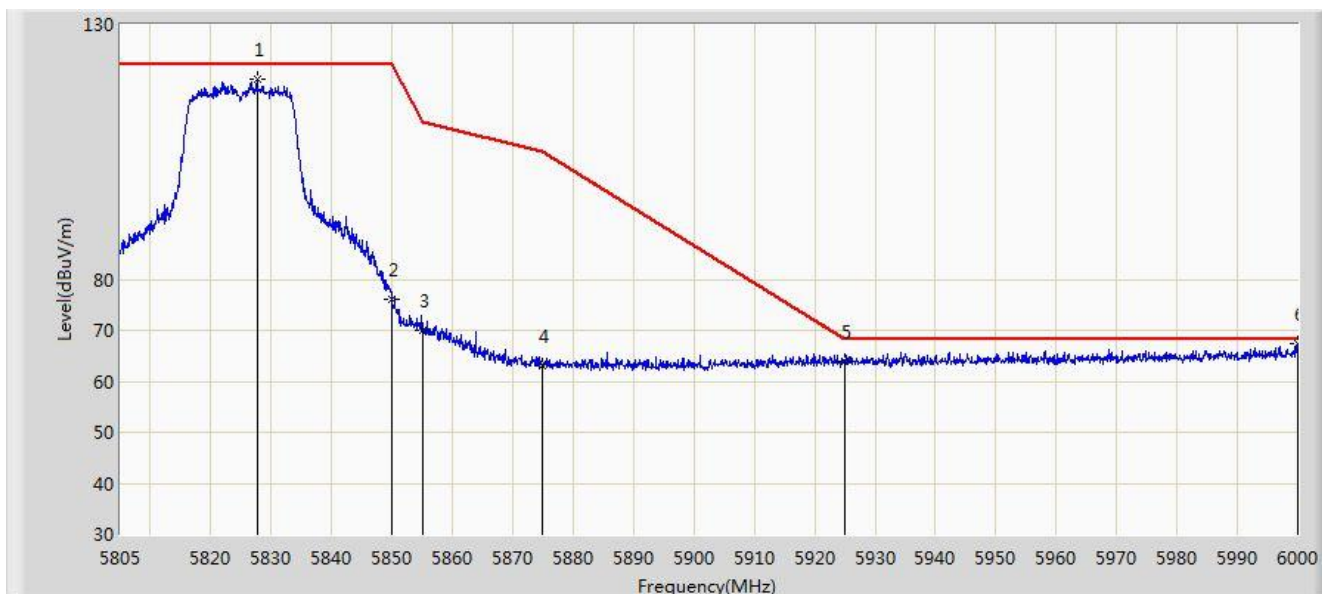


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5643.560	65.848	58.847	-2.352	68.200	7.002	PK
2			5650.000	64.325	57.185	-3.875	68.200	7.140	PK
3			5700.000	73.747	66.531	-31.453	105.200	7.215	PK
4			5720.000	87.503	80.230	-23.297	110.800	7.273	PK
5			5725.000	96.586	89.254	-25.614	122.200	7.332	PK
6		*	5742.147	125.581	118.149	N/A	N/A	7.441	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: AC1	Time: 2019/11/28 - 04:20
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz (Non Beam-Forming Mode)	

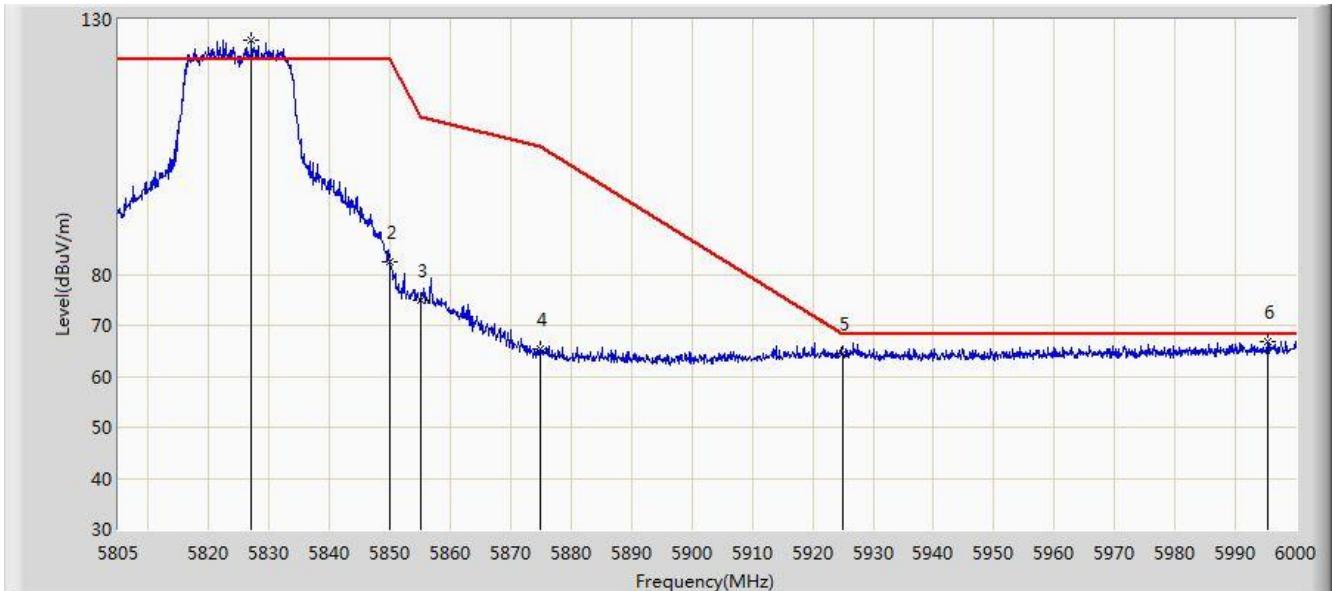


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.620	119.237	111.477	N/A	N/A	7.760	PK
2			5850.000	76.013	68.321	-46.187	122.200	7.692	PK
3			5855.000	69.900	62.256	-40.900	110.800	7.644	PK
4			5875.000	62.950	55.348	-42.250	105.200	7.602	PK
5			5925.000	63.974	56.148	-4.226	68.200	7.826	PK
6		*	5999.902	67.294	59.379	-0.906	68.200	7.915	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: AC1	Time: 2019/11/28 - 04:22
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz (Non Beam-Forming Mode)	

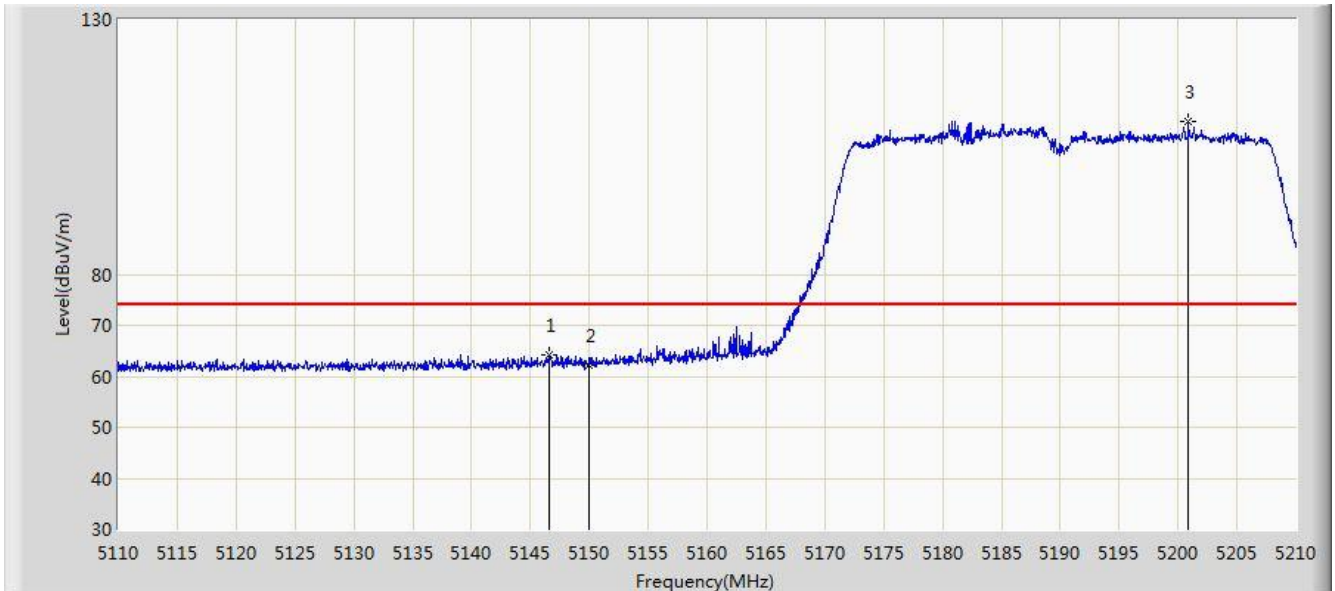


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.035	125.867	118.118	N/A	N/A	7.750	PK
2			5850.000	82.496	74.804	-39.704	122.200	7.692	PK
3			5855.000	74.803	67.159	-35.997	110.800	7.644	PK
4			5875.000	65.360	57.758	-39.840	105.200	7.602	PK
5			5925.000	64.484	56.658	-3.716	68.200	7.826	PK
6			5995.320	66.897	59.010	-1.303	68.200	7.887	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: AC1	Time: 2019/11/28 - 04:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (Non Beam-Forming Mode)	

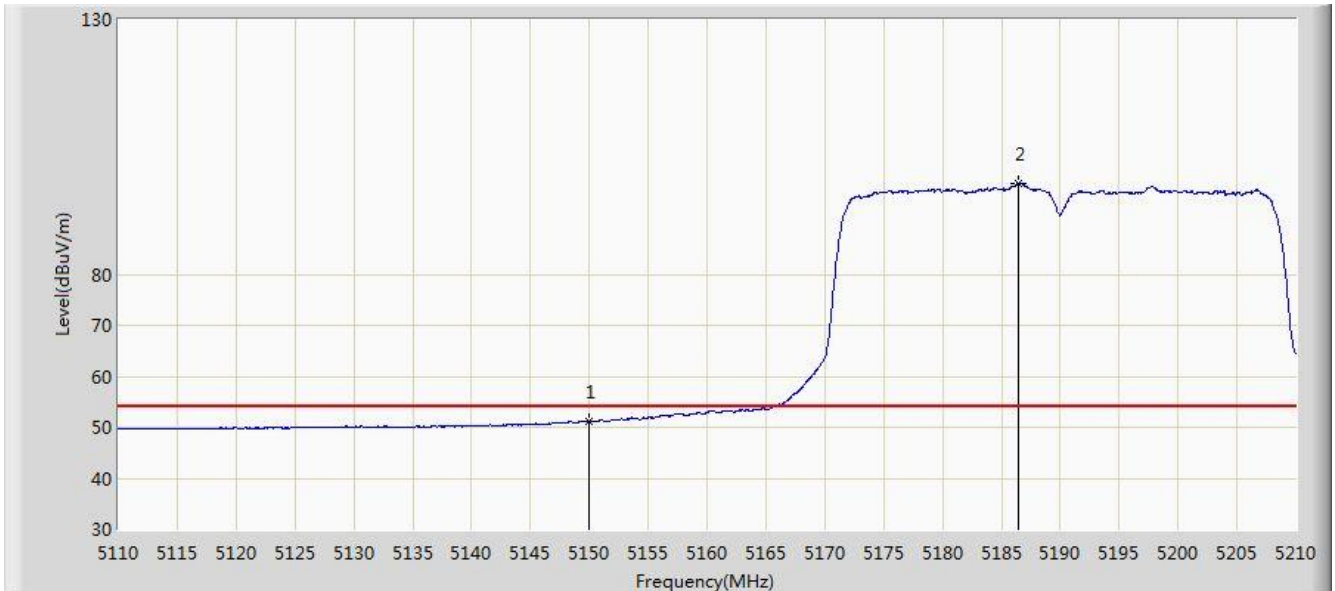


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.650	64.342	57.545	-9.658	74.000	6.796	PK
2			5150.000	62.302	55.503	-11.698	74.000	6.799	PK
3		*	5200.900	109.959	103.440	N/A	N/A	6.519	PK

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

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

Site: AC1	Time: 2019/11/28 - 04:28
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (Non Beam-Forming Mode)	

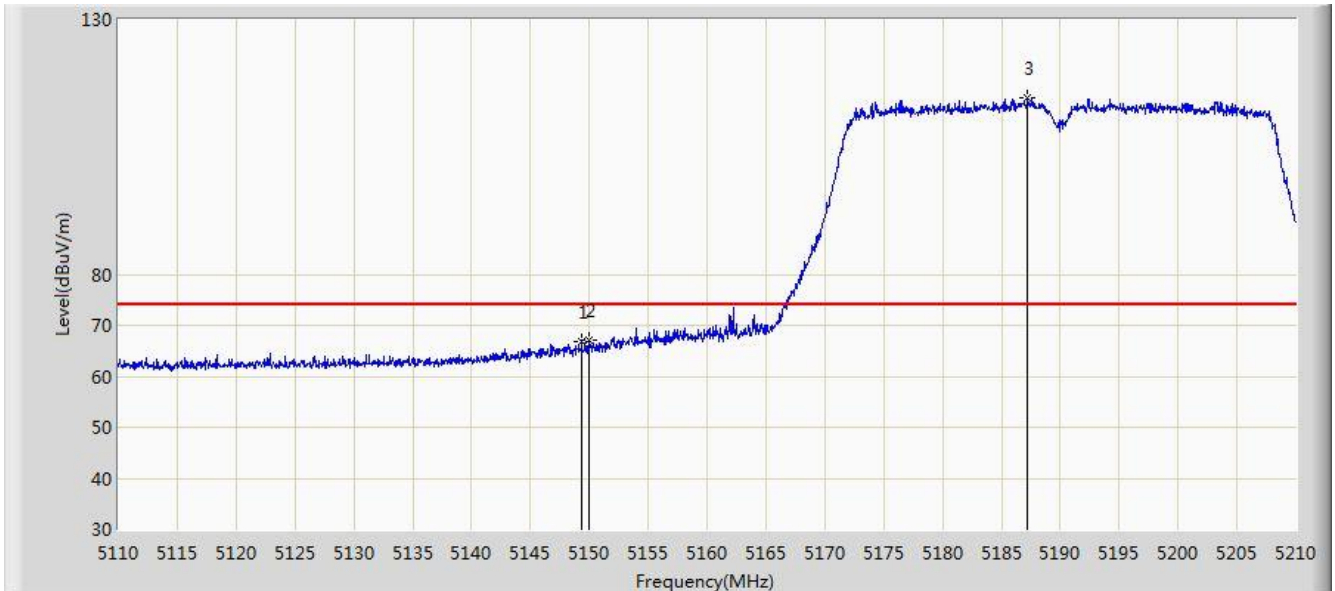


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.117	44.318	-2.883	54.000	6.799	AV
2		*	5186.450	97.868	91.147	N/A	N/A	6.721	AV

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

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

Site: AC1	Time: 2019/11/28 - 04:24
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (Non Beam-Forming Mode)	

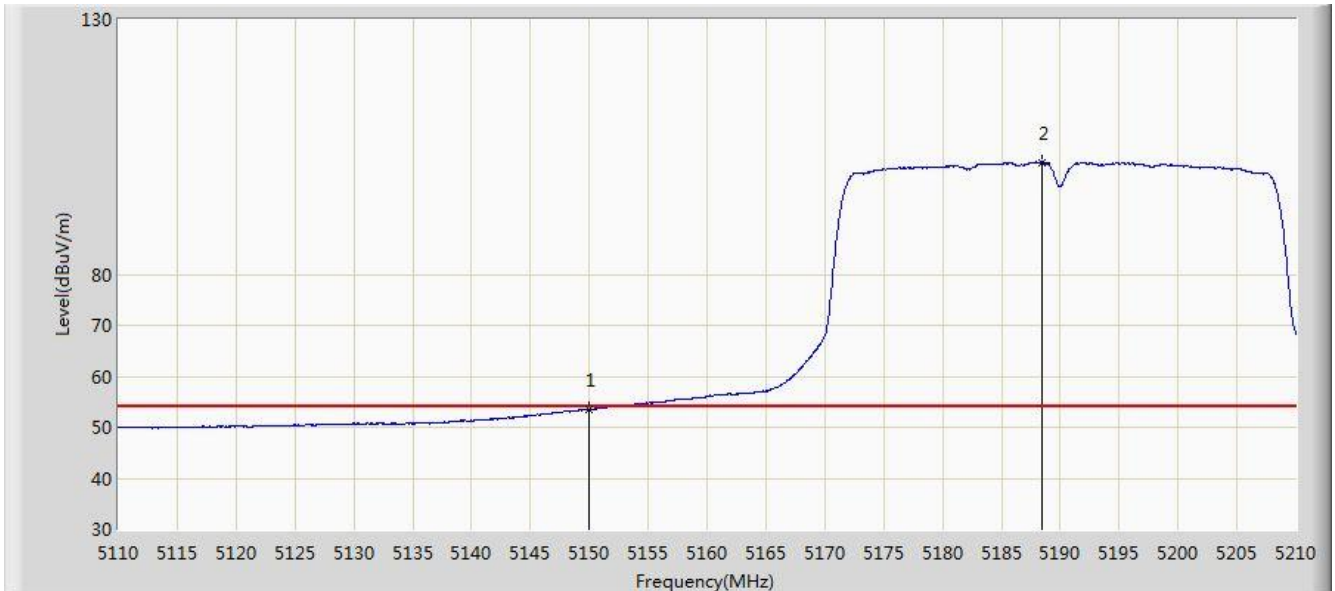


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.350	66.731	59.934	-7.269	74.000	6.796	PK
2			5150.000	67.109	60.310	-6.891	74.000	6.799	PK
3		*	5187.250	114.676	107.968	N/A	N/A	6.708	PK

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

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

Site: AC1	Time: 2019/11/28 - 04:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (Non Beam-Forming Mode)	

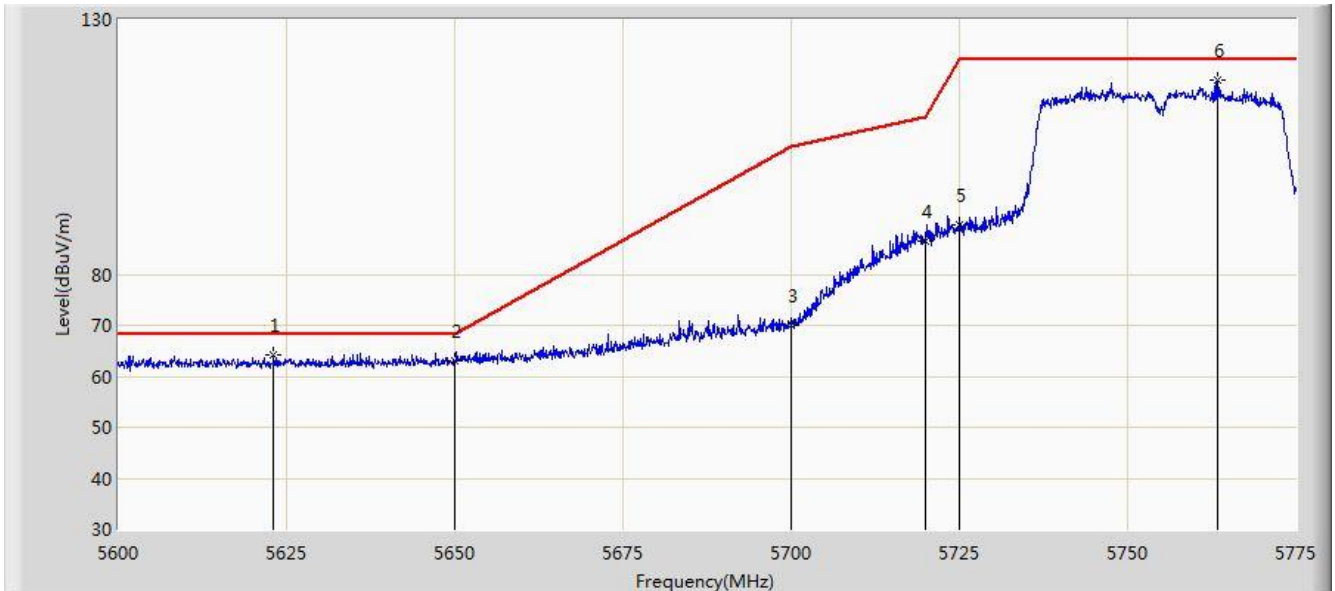


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.521	46.722	-0.479	54.000	6.799	AV
2		*	5188.500	101.986	95.297	N/A	N/A	6.689	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:29
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz (Non Beam-Forming Mode)	

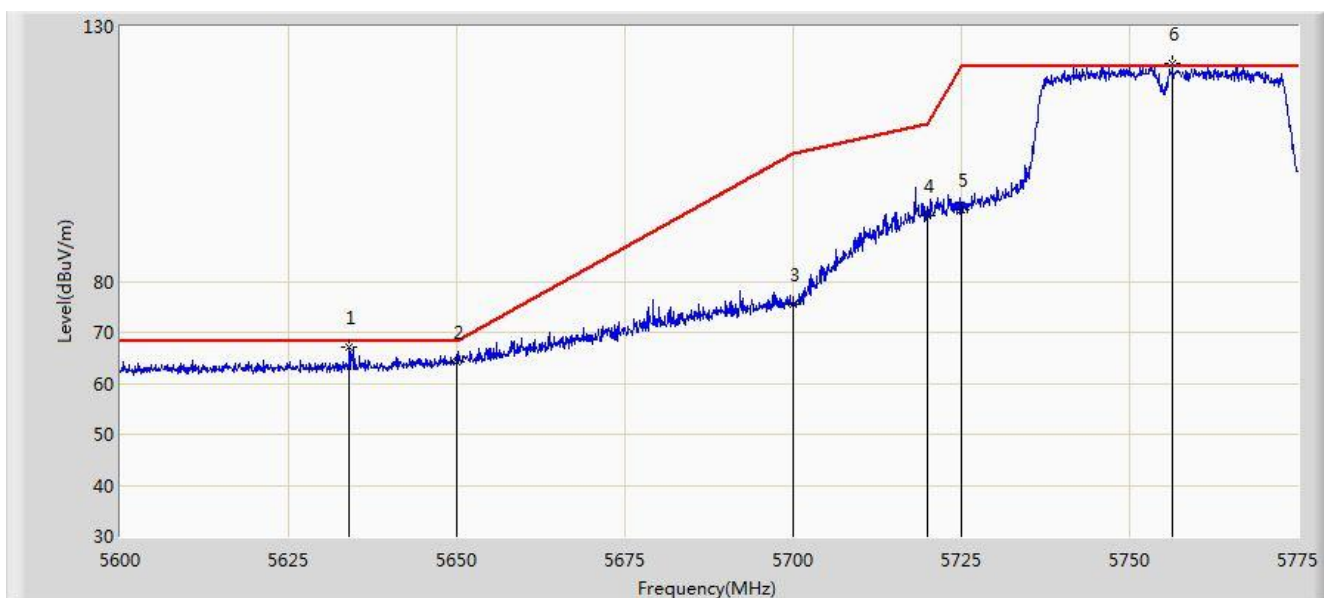


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5623.100	64.213	57.181	-3.987	68.200	7.034	PK
2			5650.000	63.098	55.958	-5.102	68.200	7.140	PK
3			5700.000	70.125	62.909	-35.075	105.200	7.215	PK
4			5720.000	86.413	79.140	-24.387	110.800	7.273	PK
5			5725.000	89.601	82.269	-32.599	122.200	7.332	PK
6			5763.450	118.068	110.621	N/A	N/A	7.454	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: AC1	Time: 2019/11/28 - 03:30
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz (Non Beam-Forming Mode)	

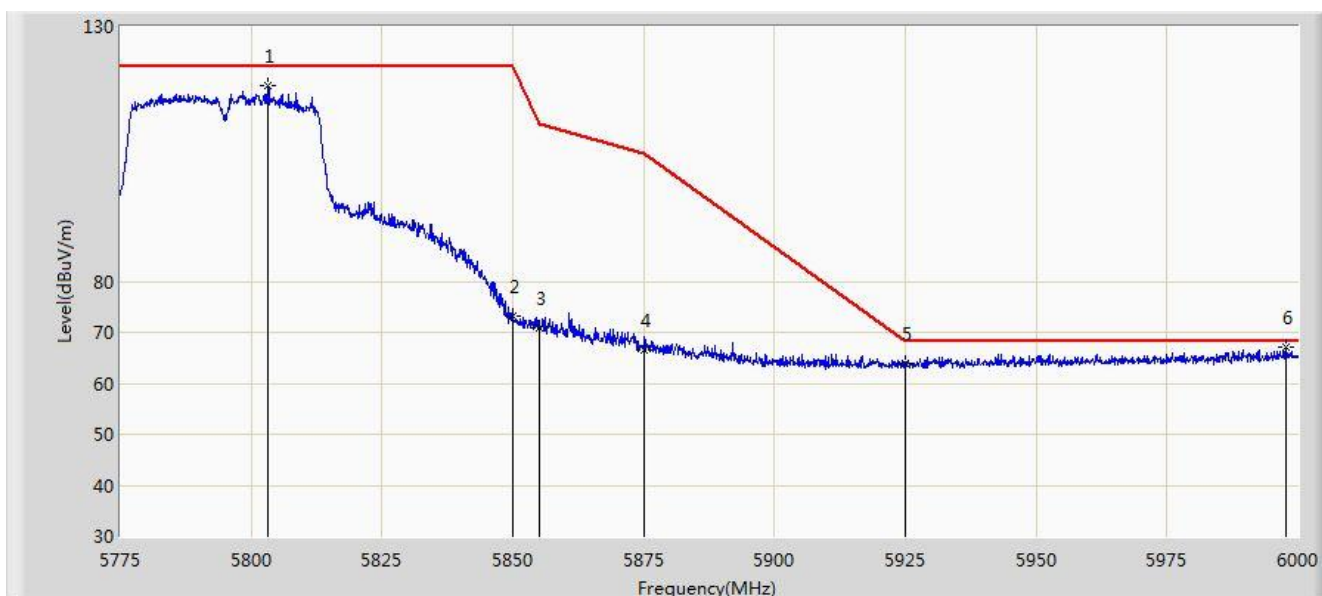


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5634.038	67.184	60.202	-1.016	68.200	6.981	PK
2			5650.000	64.299	57.159	-3.901	68.200	7.140	PK
3			5700.000	75.594	68.379	-29.606	105.200	7.215	PK
4			5720.000	92.773	85.500	-18.027	110.800	7.273	PK
5			5725.000	94.173	86.841	-28.027	122.200	7.332	PK
6		*	5756.362	122.828	115.396	N/A	N/A	7.431	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: AC1	Time: 2019/11/28 - 03:31
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz (Non Beam-Forming Mode)	

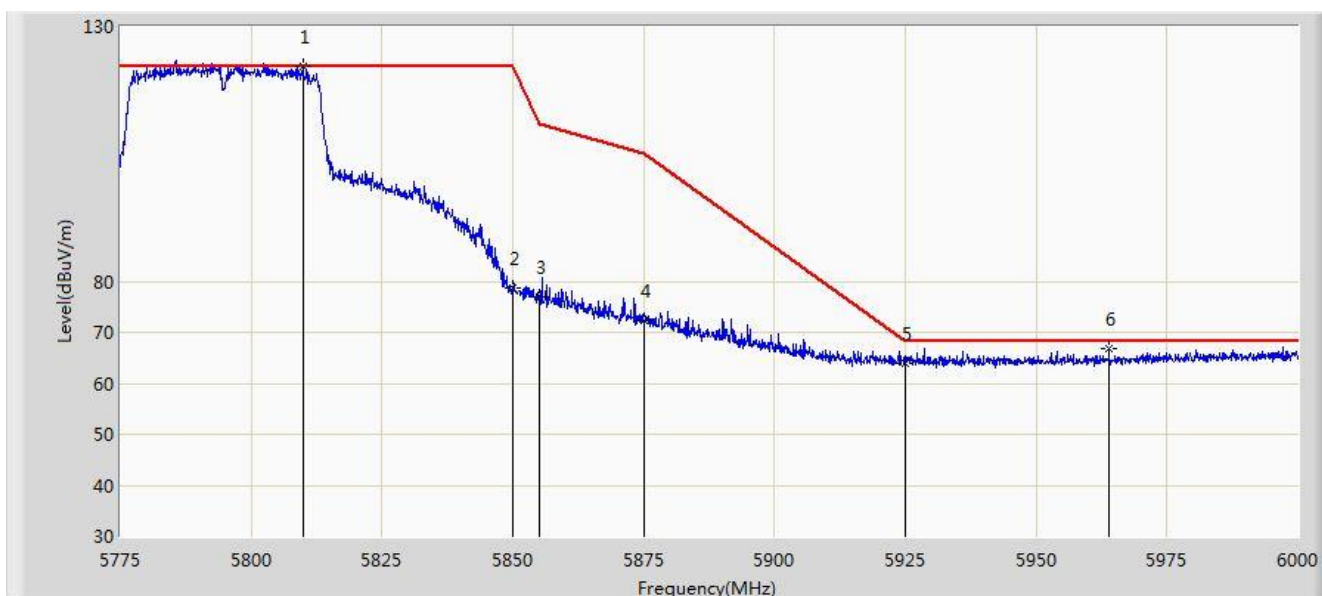


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5803.125	118.388	110.919	N/A	N/A	7.469	PK
2			5850.000	73.279	65.587	-48.921	122.200	7.692	PK
3			5855.000	70.927	63.283	-39.873	110.800	7.644	PK
4			5875.000	66.606	59.004	-38.594	105.200	7.602	PK
5			5925.000	63.945	56.119	-4.255	68.200	7.826	PK
6		*	5997.638	67.105	59.191	-1.095	68.200	7.913	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: AC1	Time: 2019/11/28 - 03:31
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz (Non Beam-Forming Mode)	

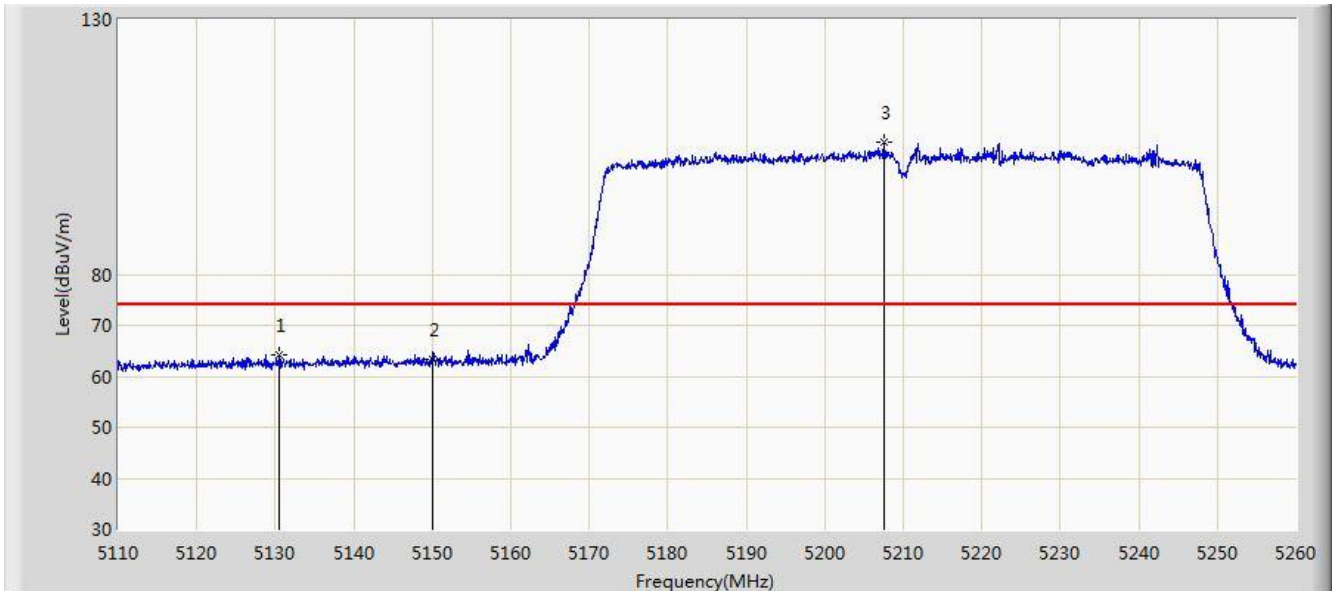


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5809.987	122.266	114.818	N/A	N/A	7.455	PK
2			5850.000	78.648	70.957	-43.552	122.200	7.692	PK
3			5855.000	77.013	69.369	-33.787	110.800	7.644	PK
4			5875.000	72.348	64.747	-32.852	105.200	7.602	PK
5			5925.000	63.835	56.009	-4.365	68.200	7.826	PK
6			5963.888	66.667	59.058	-1.533	68.200	7.609	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: AC1	Time: 2019/11/28 - 04:32
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (Non Beam-Forming Mode)	

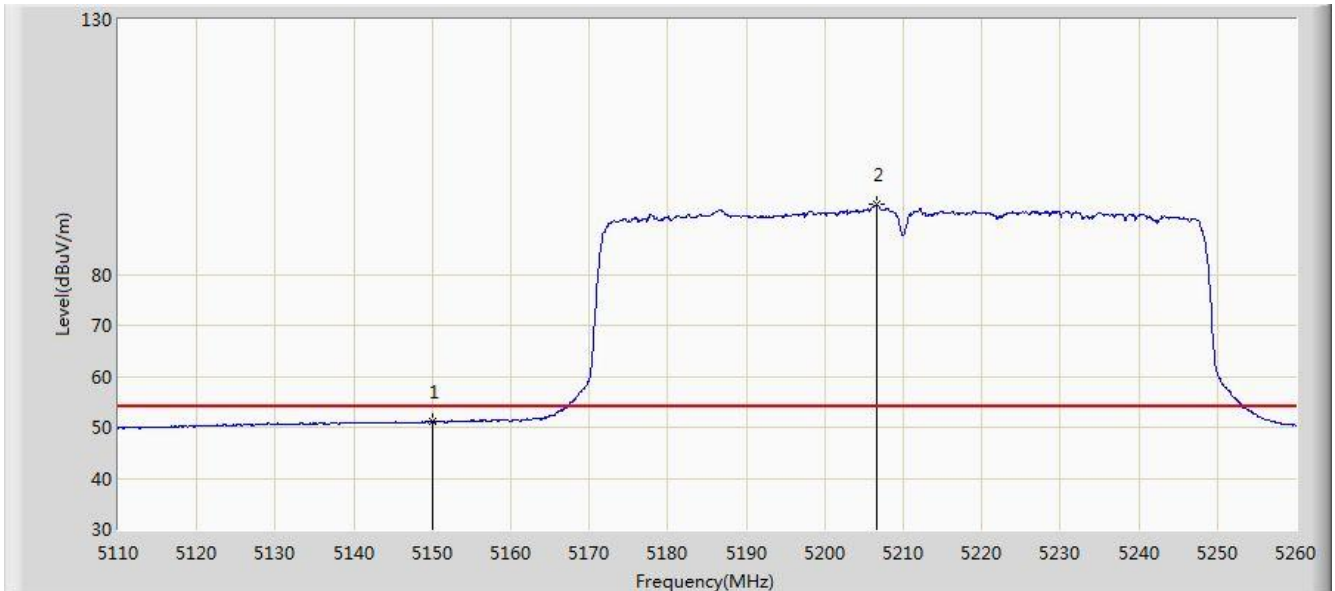


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5130.550	64.140	57.288	-9.860	74.000	6.853	PK
2			5150.000	63.473	56.674	-10.527	74.000	6.799	PK
3		*	5207.500	105.980	99.487	N/A	N/A	6.493	PK

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

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

Site: AC1	Time: 2019/11/28 - 04:33
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (Non Beam-Forming Mode)	

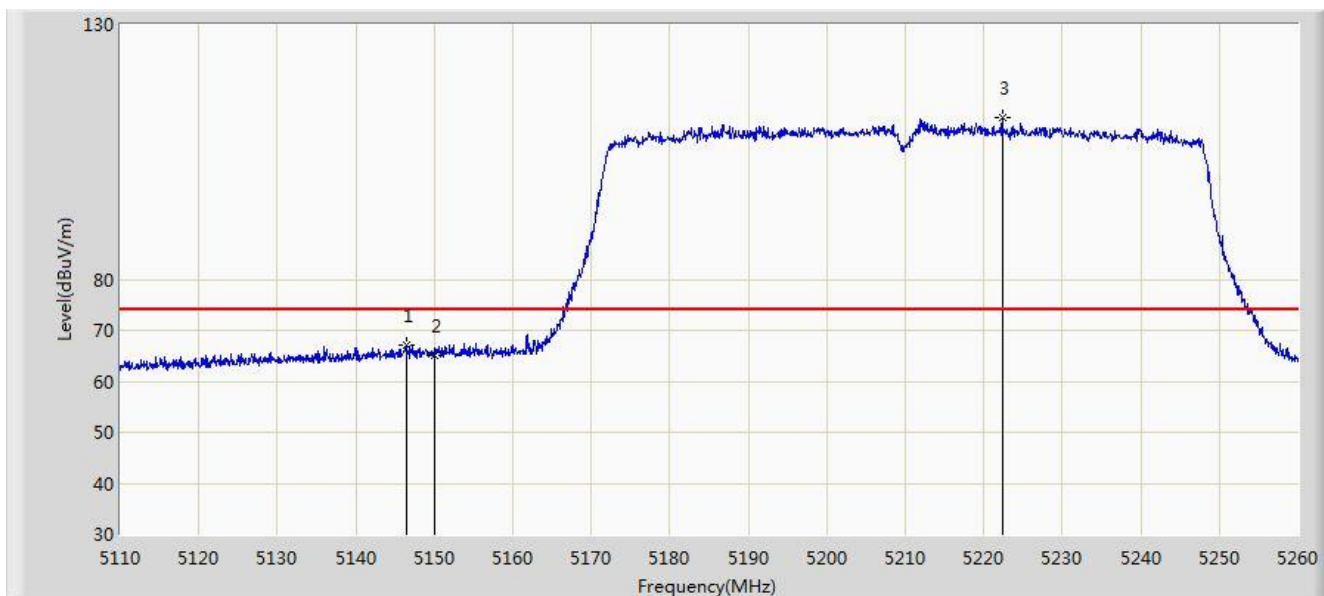


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.225	44.426	-2.775	54.000	6.799	AV
2		*	5206.525	93.637	87.140	N/A	N/A	6.497	AV

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

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

Site: AC1	Time: 2019/11/28 - 04:29
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (Non Beam-Forming Mode)	

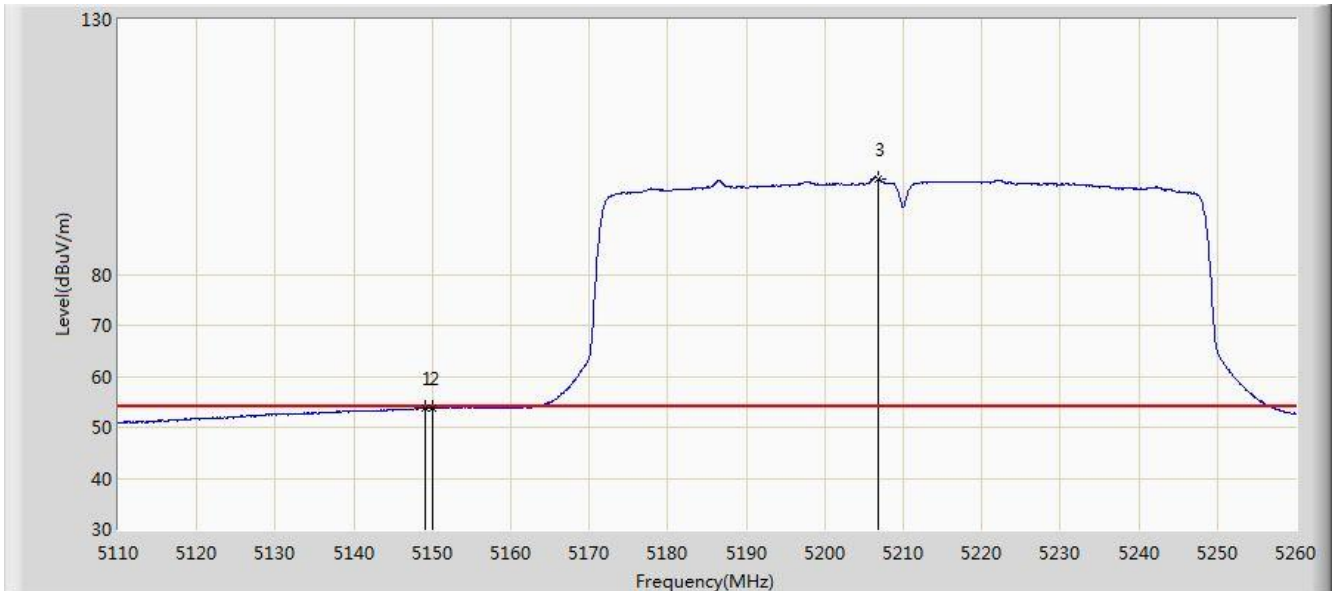


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.375	67.024	60.226	-6.976	74.000	6.798	PK
2			5150.000	65.184	58.385	-8.816	74.000	6.799	PK
3		*	5222.350	111.860	105.290	N/A	N/A	6.570	PK

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

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

Site: AC1	Time: 2019/11/28 - 04:31
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (Non Beam-Forming Mode)	

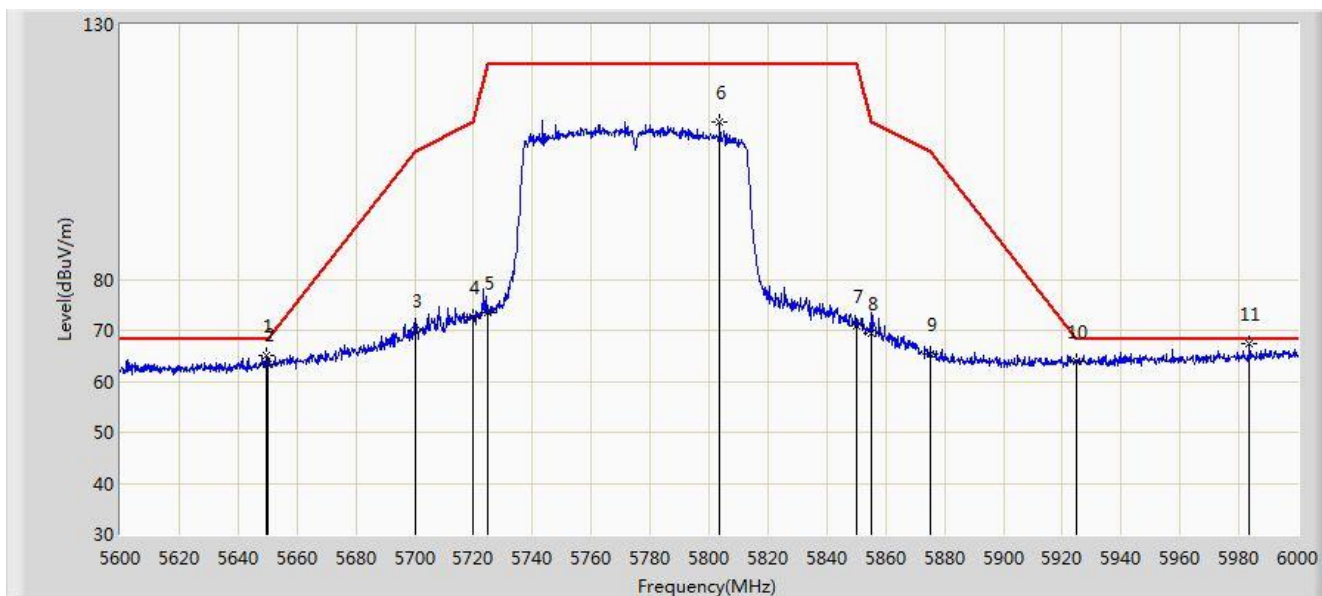


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.075	53.812	47.016	-0.188	54.000	6.795	AV
2			5150.000	53.708	46.909	-0.292	54.000	6.799	AV
3		*	5206.750	98.838	92.342	N/A	N/A	6.496	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:33
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz (Non Beam-Forming Mode)	

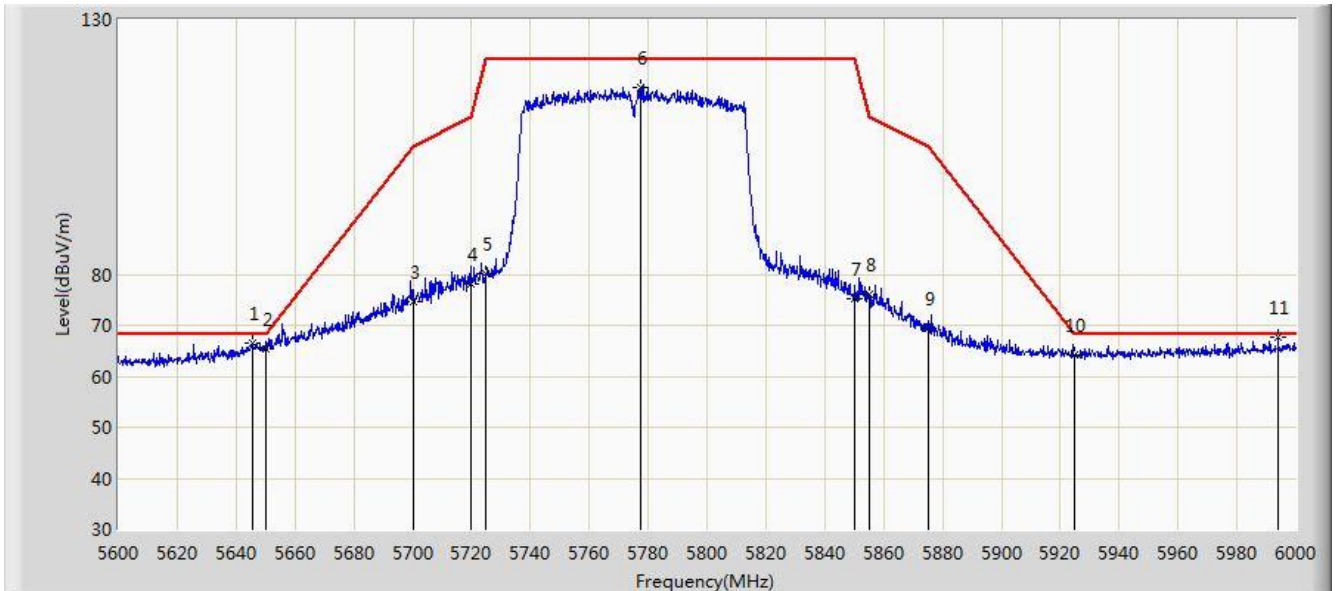


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5649.800	65.128	57.992	-3.072	68.200	7.136	PK
2			5650.000	63.232	56.092	-4.968	68.200	7.140	PK
3			5700.000	70.070	62.855	-35.130	105.200	7.215	PK
4			5720.000	72.690	65.417	-38.110	110.800	7.273	PK
5			5725.000	73.502	66.170	-48.698	122.200	7.332	PK
6			5803.600	110.979	103.511	N/A	N/A	7.468	PK
7			5850.000	70.968	63.276	-51.232	122.200	7.692	PK
8			5855.000	69.540	61.896	-41.260	110.800	7.644	PK
9			5875.000	65.454	57.853	-39.746	105.200	7.602	PK
10			5925.000	64.003	56.177	-4.197	68.200	7.826	PK
11		*	5983.600	67.259	59.509	-0.941	68.200	7.751	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: AC1	Time: 2019/11/28 - 03:33
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz (Non Beam-Forming Mode)	

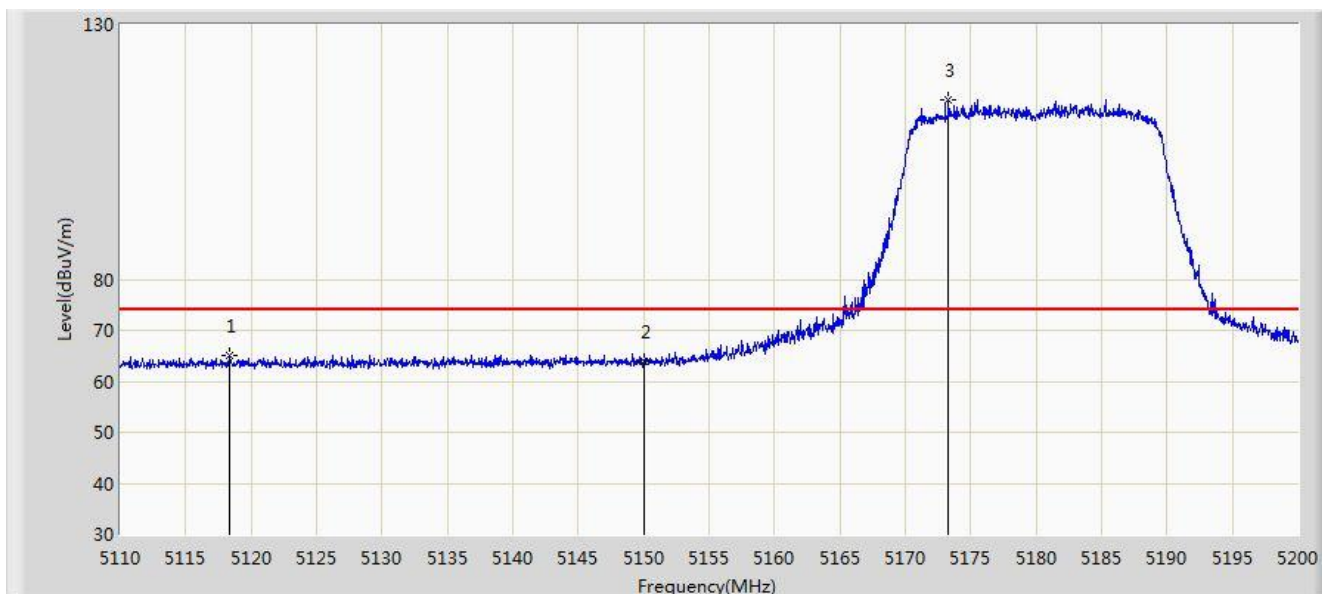


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.600	66.592	59.546	-1.608	68.200	7.046	PK
2			5650.000	65.422	58.282	-2.778	68.200	7.140	PK
3			5700.000	74.777	67.562	-30.423	105.200	7.215	PK
4			5720.000	78.184	70.911	-32.616	110.800	7.273	PK
5			5725.000	80.266	72.934	-41.934	122.200	7.332	PK
6			5777.600	116.717	109.162	N/A	N/A	7.556	PK
7			5850.000	75.091	67.400	-47.109	122.200	7.692	PK
8			5855.000	75.973	68.329	-34.827	110.800	7.644	PK
9			5875.000	69.553	61.951	-35.647	105.200	7.602	PK
10			5925.000	64.331	56.505	-3.869	68.200	7.826	PK
11		*	5994.000	67.545	59.674	-0.655	68.200	7.871	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: AC1	Time: 2019/11/28 - 03:34
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz (Non Beam-Forming Mode)	

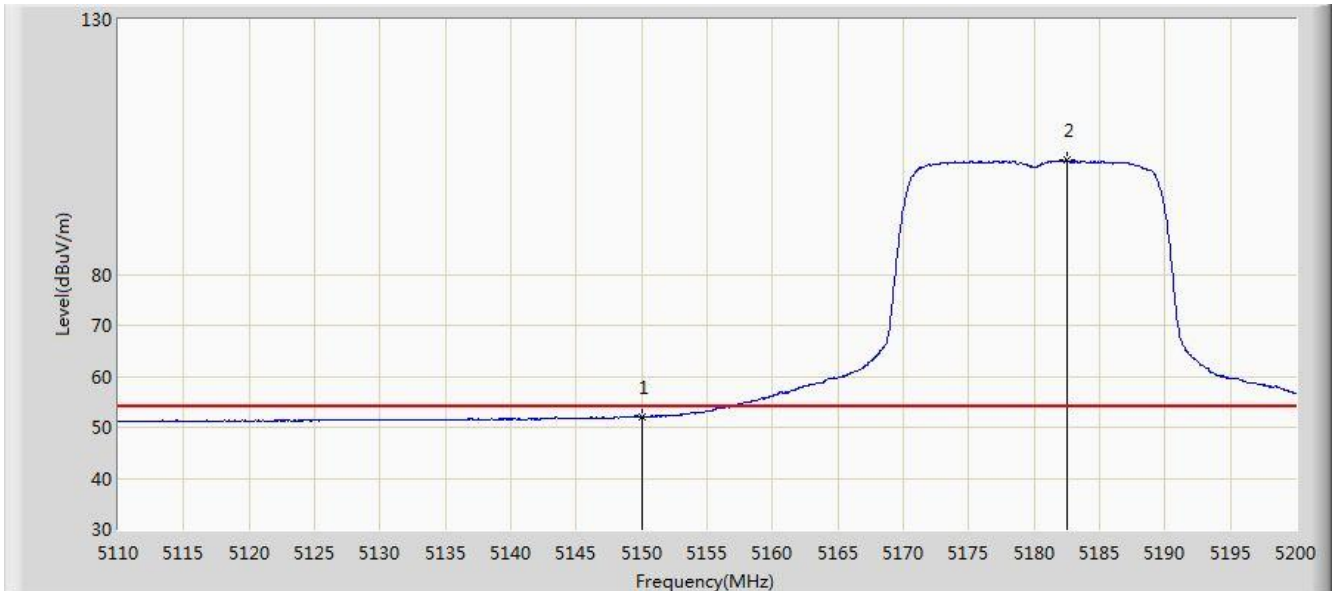


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5118.370	65.004	58.313	-8.996	74.000	6.692	PK
2			5150.000	64.009	57.210	-9.991	74.000	6.799	PK
3		*	5173.315	115.194	108.376	N/A	N/A	6.822	PK

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

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

Site: AC1	Time: 2019/11/28 - 03:34
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz (Non Beam-Forming Mode)	

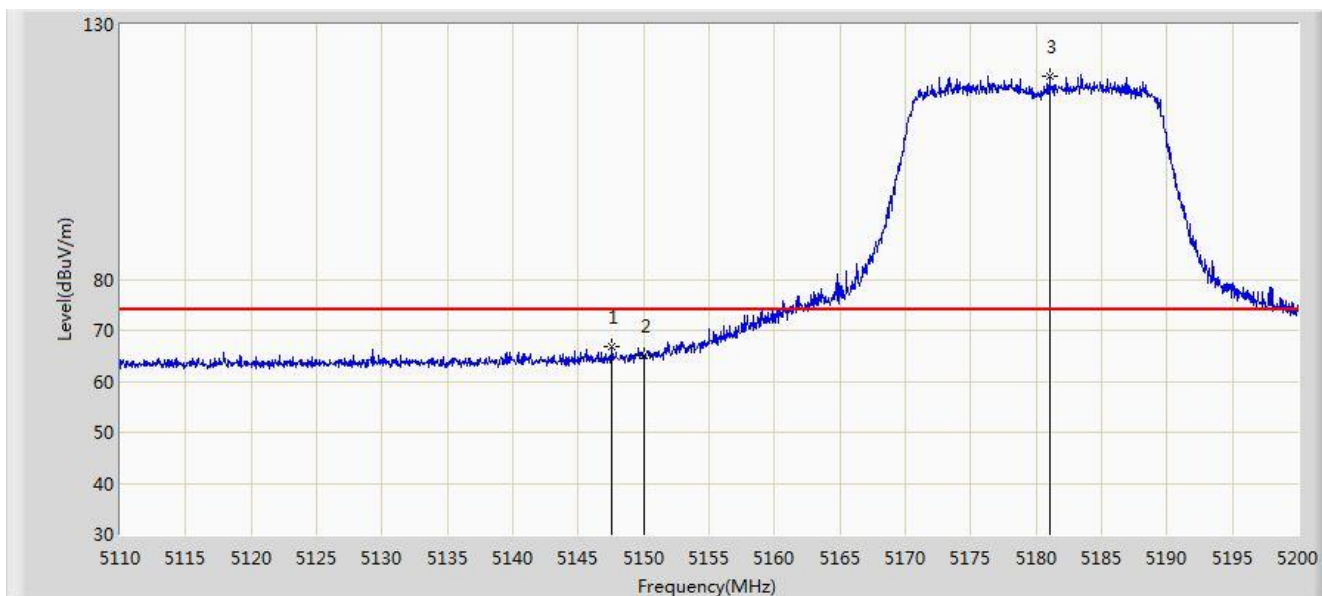


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.011	45.212	-1.989	54.000	6.799	AV
2		*	5182.495	102.408	95.626	N/A	N/A	6.782	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:35
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz (Non Beam-Forming Mode)	

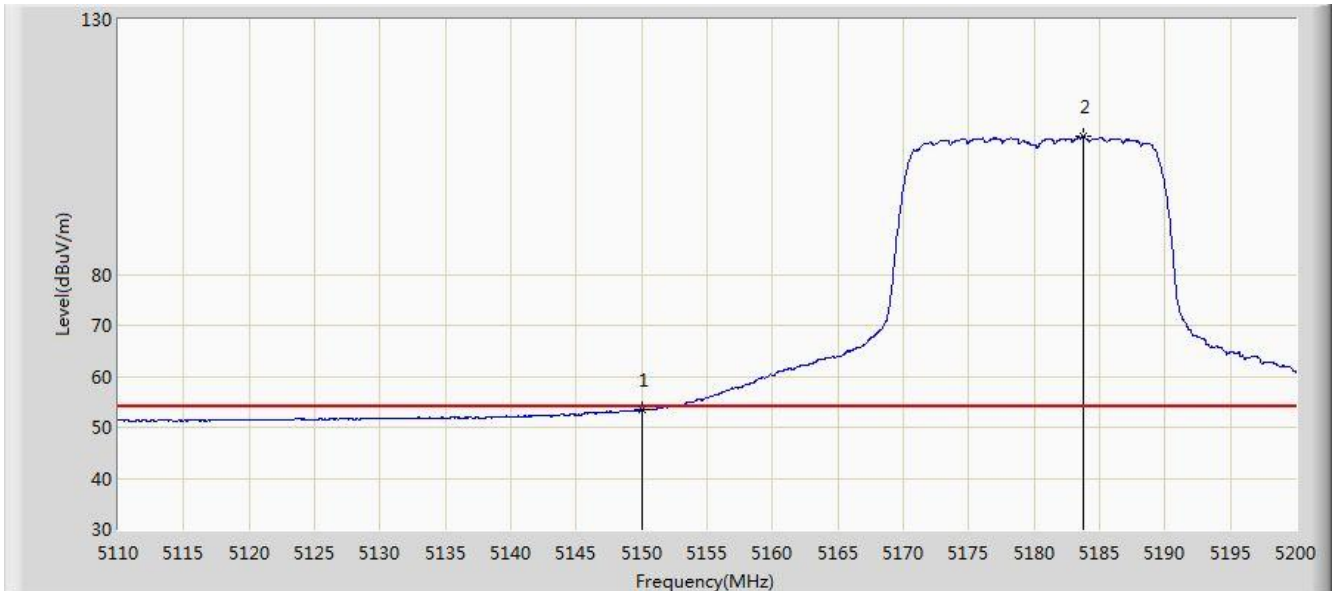


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.575	66.749	59.962	-7.251	74.000	6.793	PK
2			5150.000	65.043	58.244	-8.957	74.000	6.799	PK
3		*	5181.010	119.766	112.988	N/A	N/A	6.794	PK

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

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

Site: AC1	Time: 2019/11/28 - 03:35
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz (Non Beam-Forming Mode)	

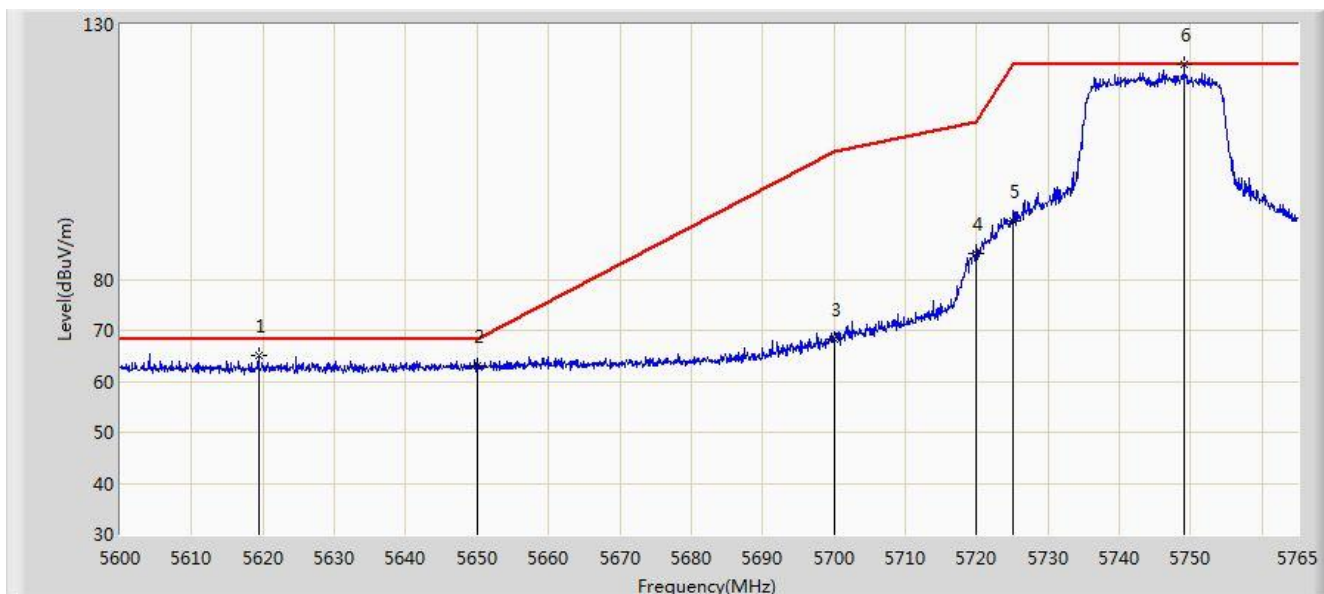


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.508	46.709	-0.492	54.000	6.799	AV
2		*	5183.800	107.060	100.298	N/A	N/A	6.761	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:36
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5745MHz (Non Beam-Forming Mode)	

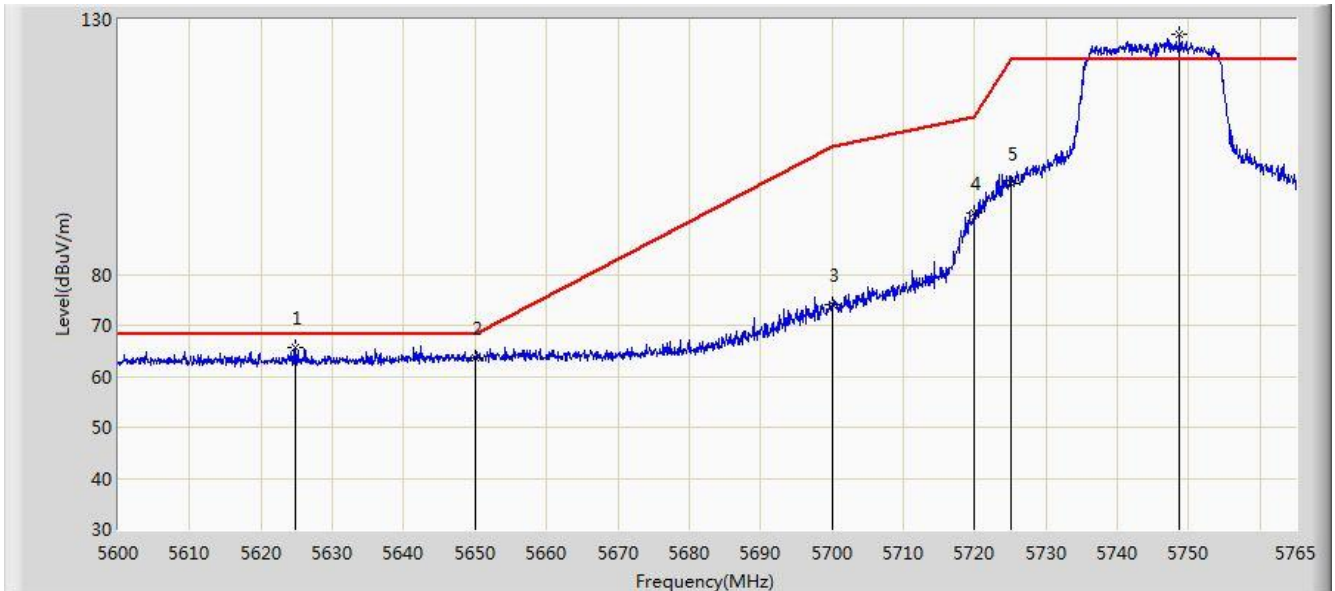


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5619.388	64.985	57.951	-3.215	68.200	7.042	PK
2			5650.000	63.174	56.034	-5.026	68.200	7.140	PK
3			5700.000	68.254	61.038	-36.946	105.200	7.215	PK
4			5720.000	85.210	77.938	-25.590	110.800	7.273	PK
5			5725.000	91.574	84.242	-30.626	122.200	7.332	PK
6		*	5749.078	122.306	114.872	N/A	N/A	7.439	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: AC1	Time: 2019/11/28 - 03:36
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5745MHz (Non Beam-Forming Mode)	

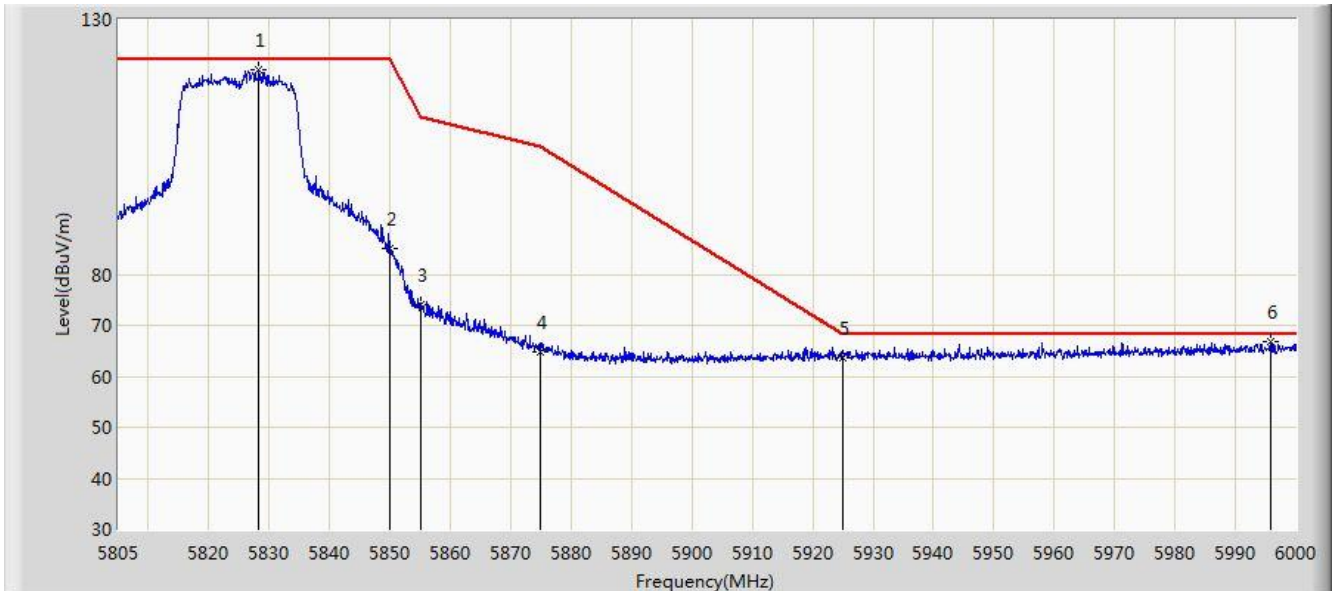


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5624.915	65.697	58.671	-2.503	68.200	7.027	PK
2			5650.000	63.681	56.541	-4.519	68.200	7.140	PK
3			5700.000	73.984	66.768	-31.216	105.200	7.215	PK
4			5720.000	91.910	84.637	-18.890	110.800	7.273	PK
5			5725.000	97.736	90.404	-24.464	122.200	7.332	PK
6		*	5748.748	126.980	119.556	N/A	N/A	7.440	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: AC1	Time: 2019/11/28 - 02:46
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5825MHz (Non Beam-Forming Mode)	

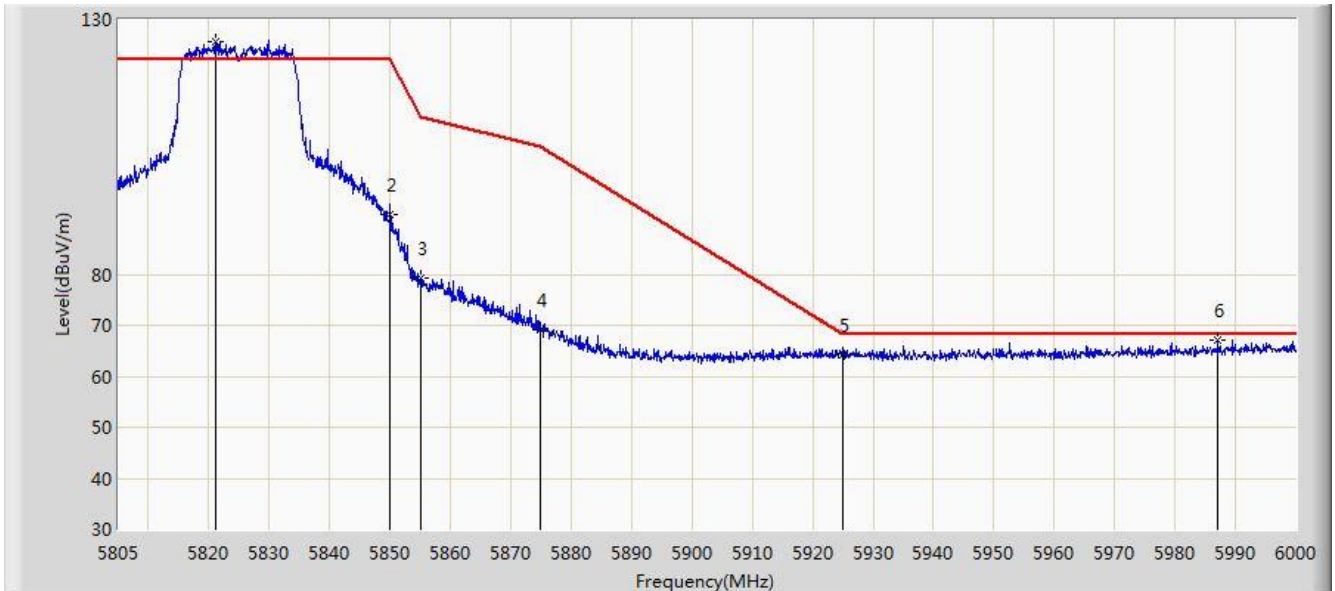


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.303	120.052	112.286	N/A	N/A	7.766	PK
2			5850.000	85.048	77.356	-37.152	122.200	7.692	PK
3			5855.000	74.027	66.383	-36.773	110.800	7.644	PK
4			5875.000	64.881	57.279	-40.319	105.200	7.602	PK
5			5925.000	63.678	55.852	-4.522	68.200	7.826	PK
6		*	5995.808	66.676	58.784	-1.524	68.200	7.893	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: AC1	Time: 2019/11/28 - 02:50
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5825MHz (Non Beam-Forming Mode)	

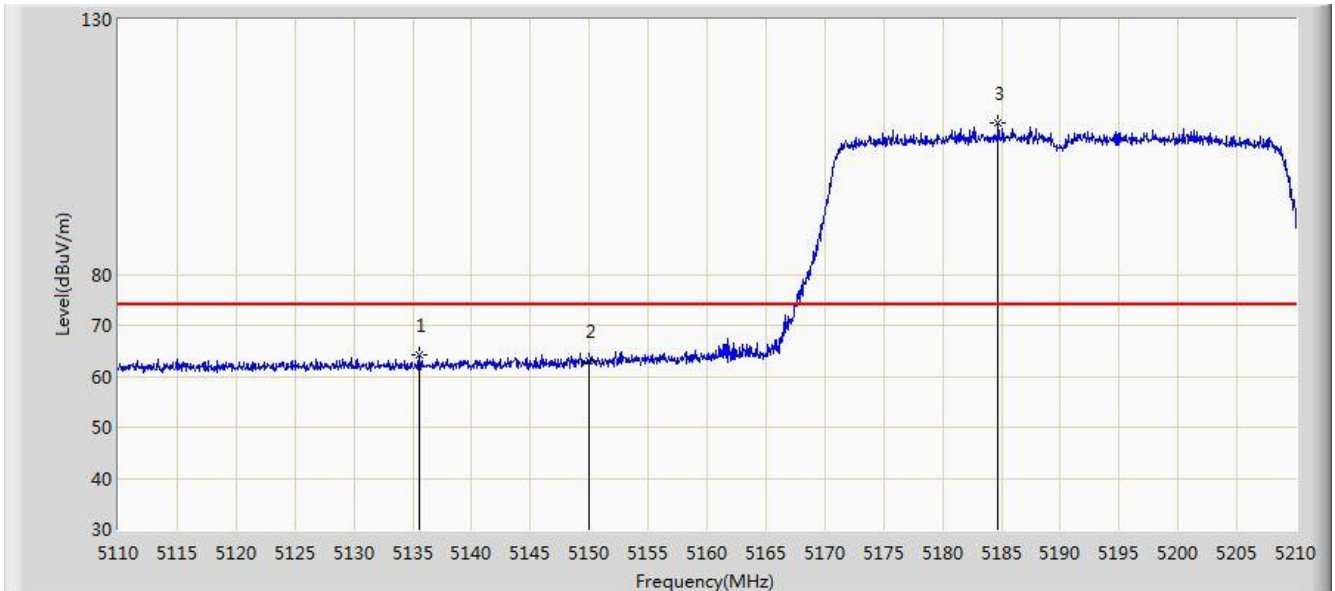


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.087	125.555	117.916	N/A	N/A	7.639	PK
2			5850.000	91.747	84.055	-30.453	122.200	7.692	PK
3			5855.000	79.153	71.509	-31.647	110.800	7.644	PK
4			5875.000	69.059	61.457	-36.141	105.200	7.602	PK
5			5925.000	64.319	56.493	-3.881	68.200	7.826	PK
6			5987.130	67.202	59.410	-0.998	68.200	7.792	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: AC1	Time: 2019/11/28 - 04:42
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5190MHz (Non Beam-Forming Mode)	

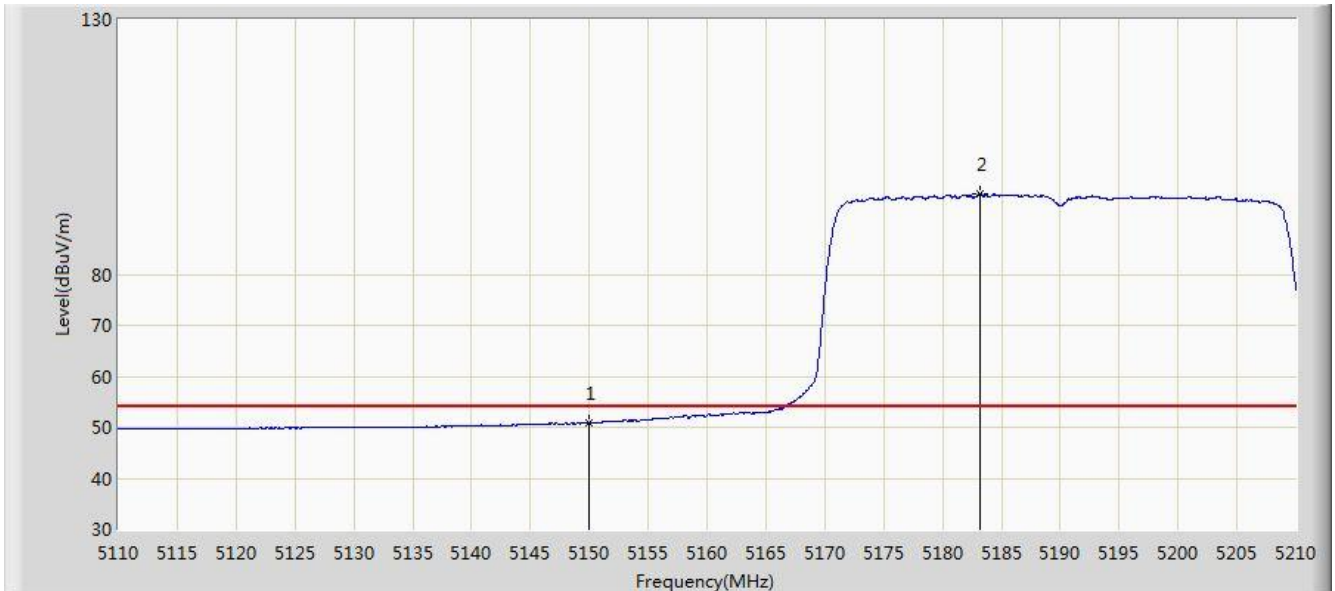


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.550	64.096	57.255	-9.904	74.000	6.840	PK
2			5150.000	62.906	56.107	-11.094	74.000	6.799	PK
3		*	5184.700	109.817	103.069	N/A	N/A	6.747	PK

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

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

Site: AC1	Time: 2019/11/28 - 04:43
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5190MHz (Non Beam-Forming Mode)	

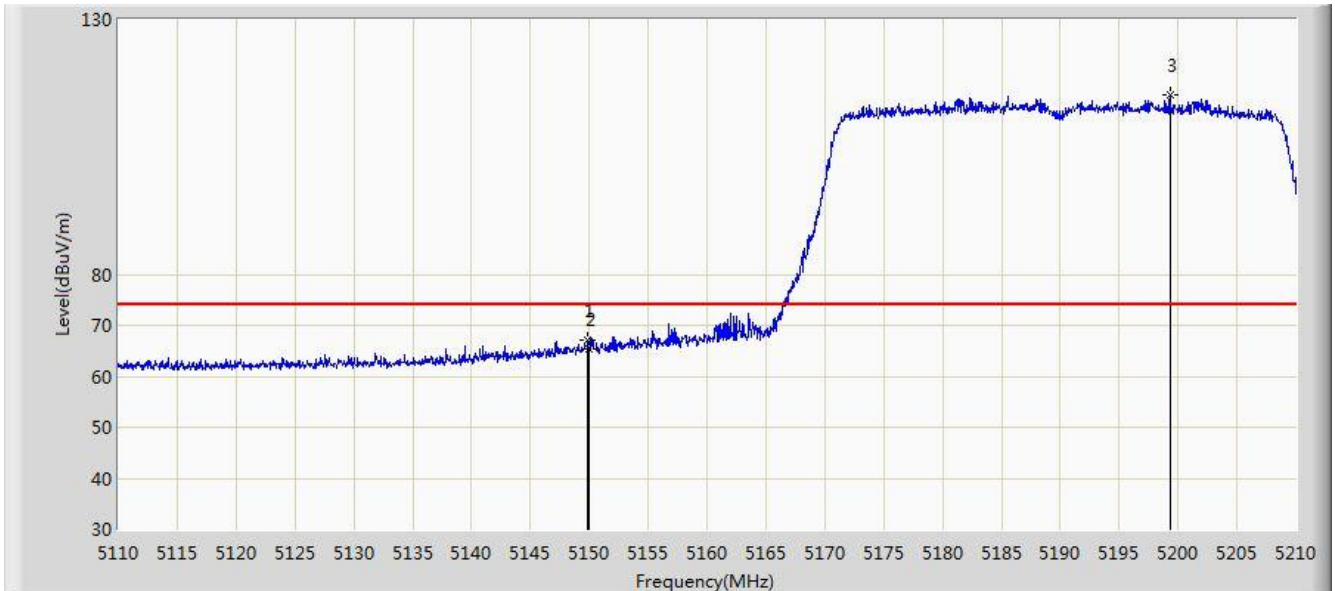


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.822	44.023	-3.178	54.000	6.799	AV
2		*	5183.150	95.747	88.975	N/A	N/A	6.771	AV

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

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

Site: AC1	Time: 2019/11/28 - 04:39
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5190MHz (Non Beam-Forming Mode)	

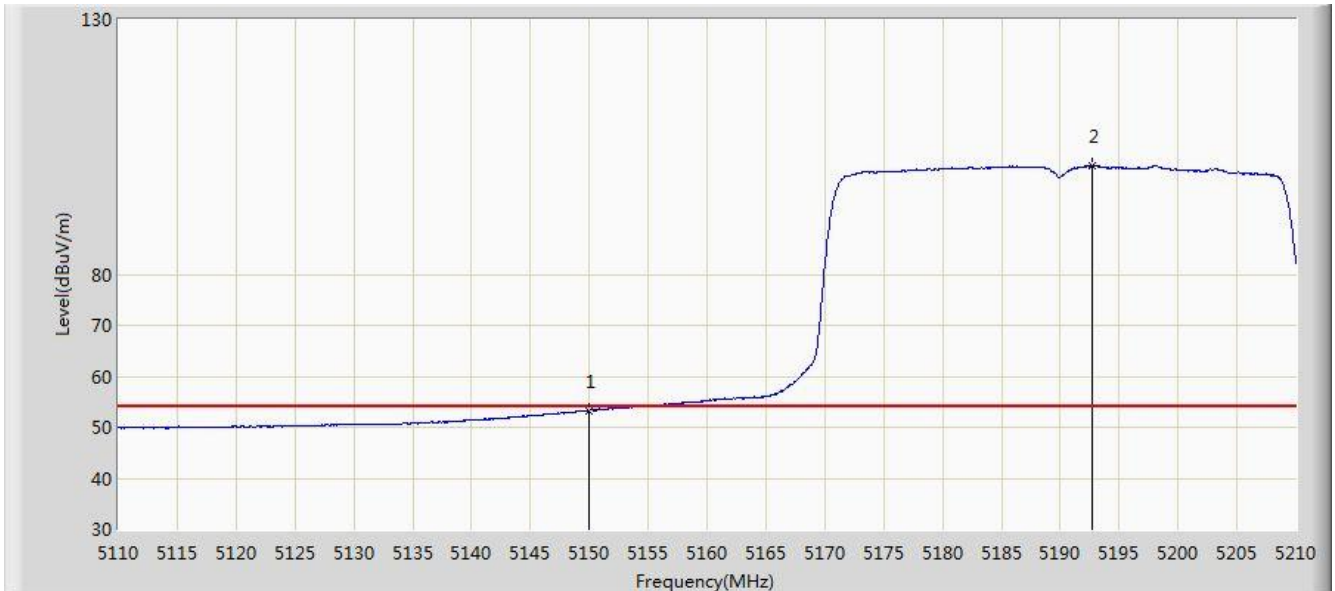


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.850	67.145	60.347	-6.855	74.000	6.799	PK
2			5150.000	65.426	58.627	-8.574	74.000	6.799	PK
3		*	5199.300	115.305	108.780	N/A	N/A	6.525	PK

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

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

Site: AC1	Time: 2019/11/28 - 04:41
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40at Channel 5190MHz (Non Beam-Forming Mode)	

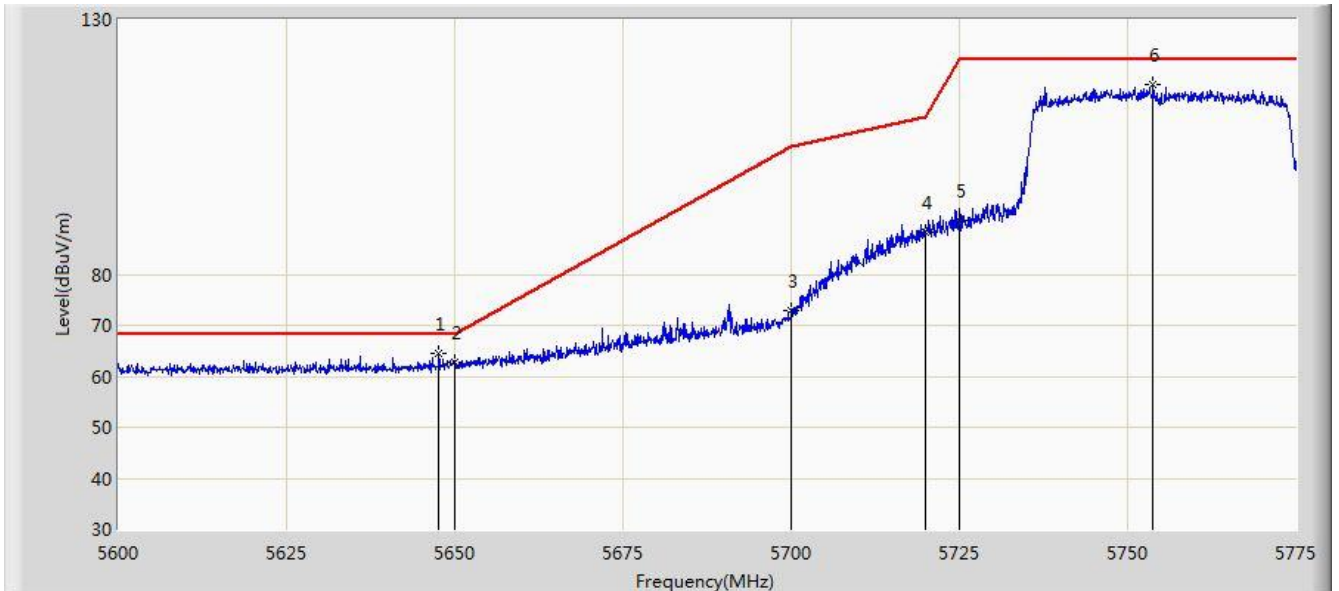


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.295	46.496	-0.705	54.000	6.799	AV
2		*	5192.650	101.290	94.665	N/A	N/A	6.625	AV

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

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

Site: AC1	Time: 2019/11/28 - 04:47
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5755MHz (Non Beam-Forming Mode)	

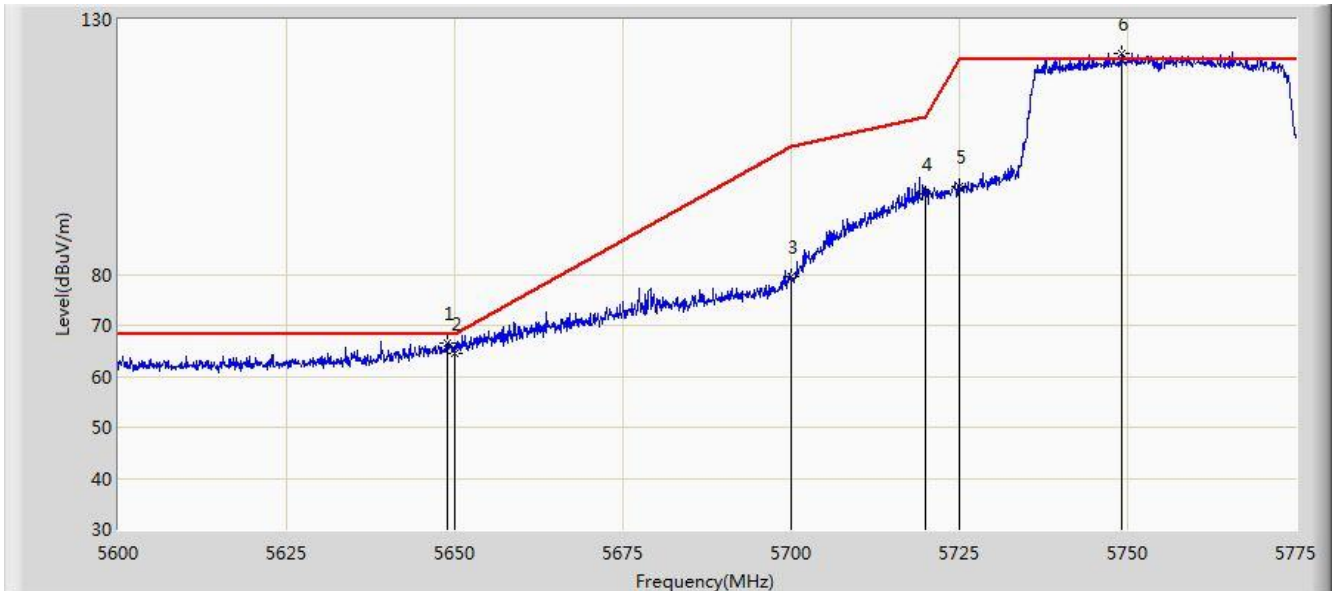


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5647.687	64.349	57.258	-3.851	68.200	7.090	PK
2			5650.000	62.715	55.575	-5.485	68.200	7.140	PK
3			5700.000	72.924	65.709	-32.276	105.200	7.215	PK
4			5720.000	88.190	80.917	-22.610	110.800	7.273	PK
5			5725.000	90.496	83.164	-31.704	122.200	7.332	PK
6			5753.825	117.285	109.851	N/A	N/A	7.435	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: AC1	Time: 2019/11/28 - 04:44
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5755MHz (Non Beam-Forming Mode)	

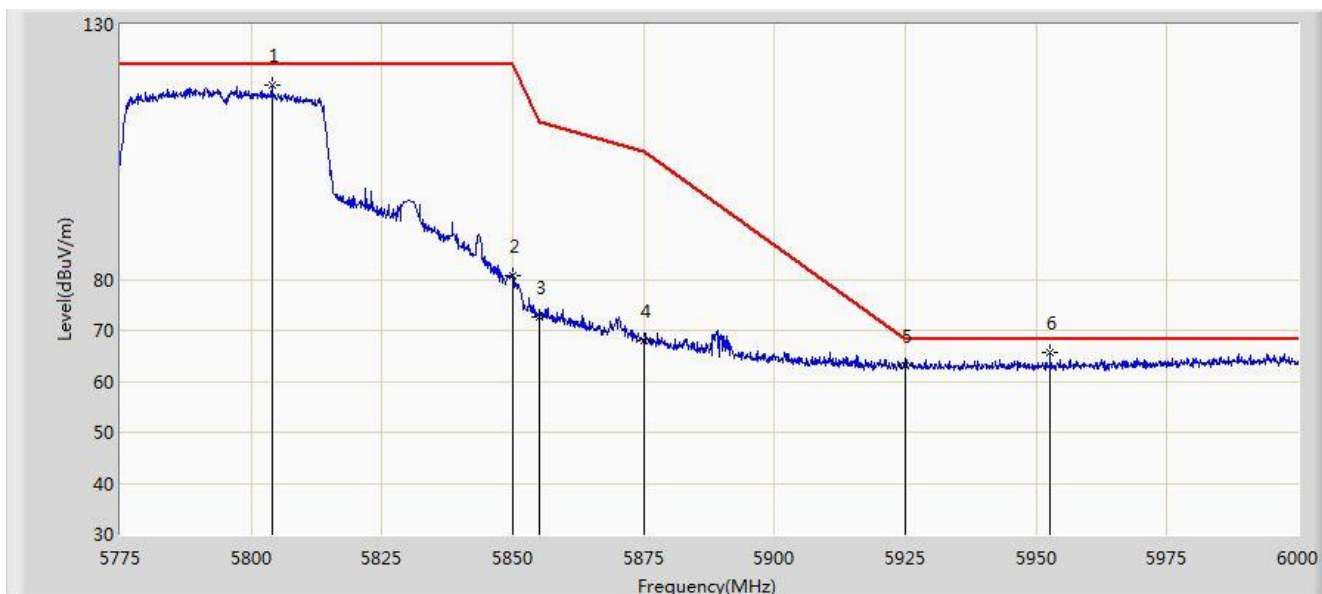


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5648.825	66.614	59.499	-1.586	68.200	7.116	PK
2			5650.000	64.510	57.370	-3.690	68.200	7.140	PK
3			5700.000	79.654	72.439	-25.546	105.200	7.215	PK
4			5720.000	95.681	88.408	-15.119	110.800	7.273	PK
5			5725.000	97.267	89.935	-24.933	122.200	7.332	PK
6		*	5749.100	123.217	115.778	N/A	N/A	7.439	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: AC1	Time: 2019/11/28 - 03:39
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5795MHz (Non Beam-Forming Mode)	

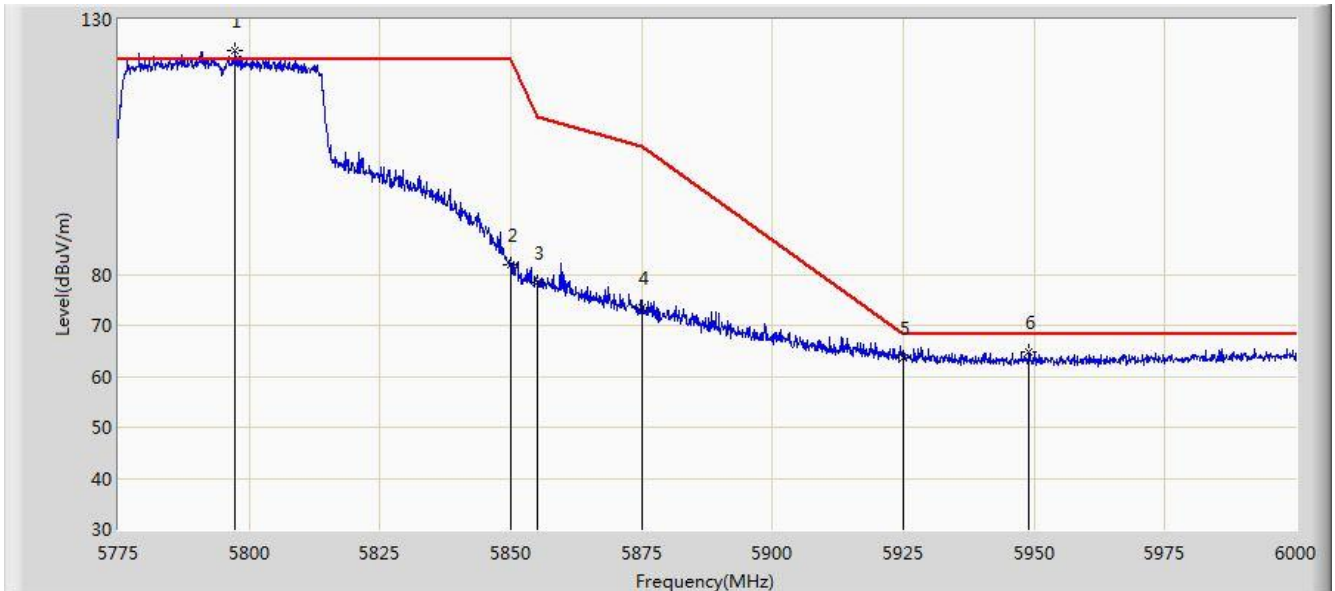


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5803.913	118.168	110.709	N/A	N/A	7.468	PK
2			5850.000	80.701	73.010	-41.499	122.200	7.692	PK
3			5855.000	72.748	65.104	-38.052	110.800	7.644	PK
4			5875.000	68.086	60.485	-37.114	105.200	7.602	PK
5			5925.000	62.979	55.153	-5.221	68.200	7.826	PK
6		*	5952.638	65.570	57.921	-2.630	68.200	7.658	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: AC1	Time: 2019/11/28 - 03:39
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5795MHz (Non Beam-Forming Mode)	

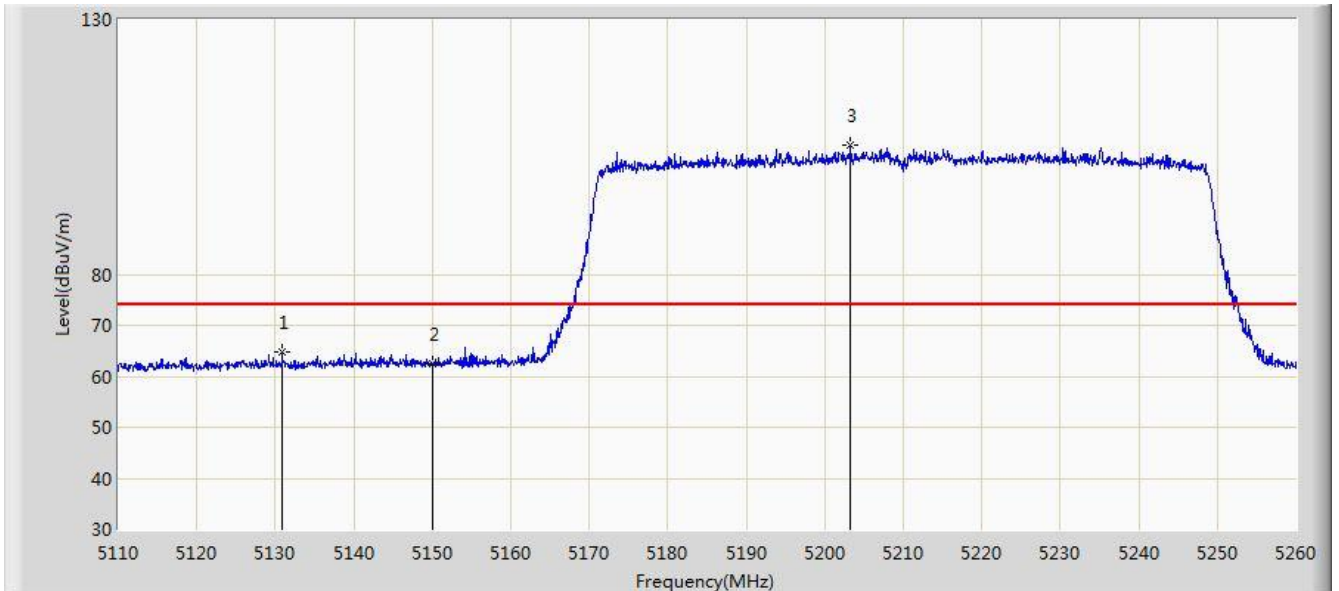


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5797.388	124.023	116.547	N/A	N/A	7.481	PK
2			5850.000	81.963	74.272	-40.237	122.200	7.692	PK
3			5855.000	78.312	70.668	-32.488	110.800	7.644	PK
4			5875.000	73.451	65.850	-31.749	105.200	7.602	PK
5			5925.000	63.736	55.910	-4.464	68.200	7.826	PK
6			5949.038	64.924	57.253	-3.276	68.200	7.674	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: AC1	Time: 2019/11/28 - 04:51
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz (Non Beam-Forming Mode)	

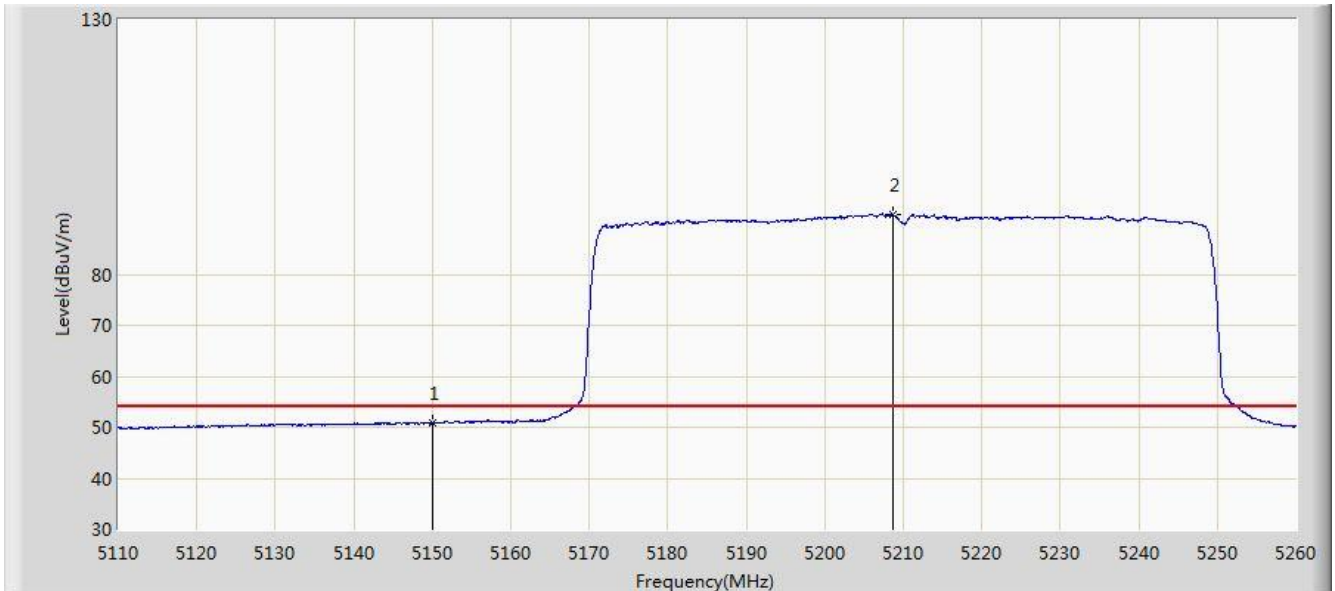


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5130.850	64.800	57.944	-9.200	74.000	6.856	PK
2			5150.000	62.376	55.577	-11.624	74.000	6.799	PK
3		*	5203.300	105.260	98.750	N/A	N/A	6.509	PK

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

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

Site: AC1	Time: 2019/11/28 - 04:53
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz (Non Beam-Forming Mode)	

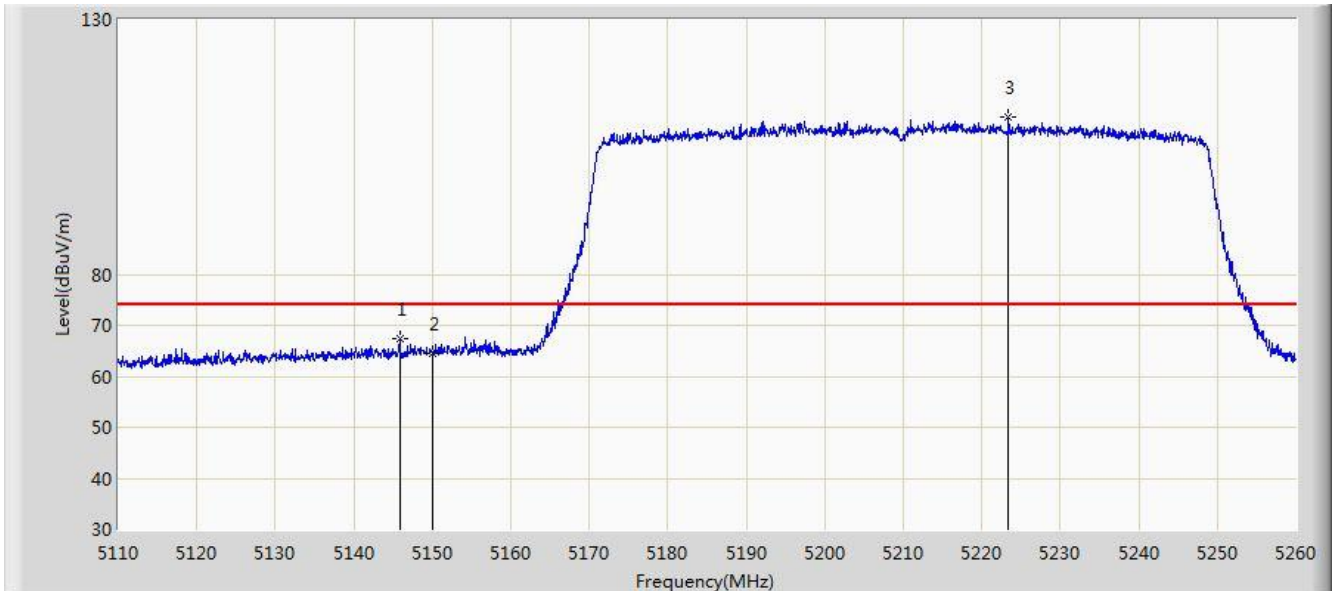


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.806	44.007	-3.194	54.000	6.799	AV
2		*	5208.625	91.786	85.298	N/A	N/A	6.489	AV

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

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

Site: AC1	Time: 2019/11/28 - 04:49
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz (Non Beam-Forming Mode)	

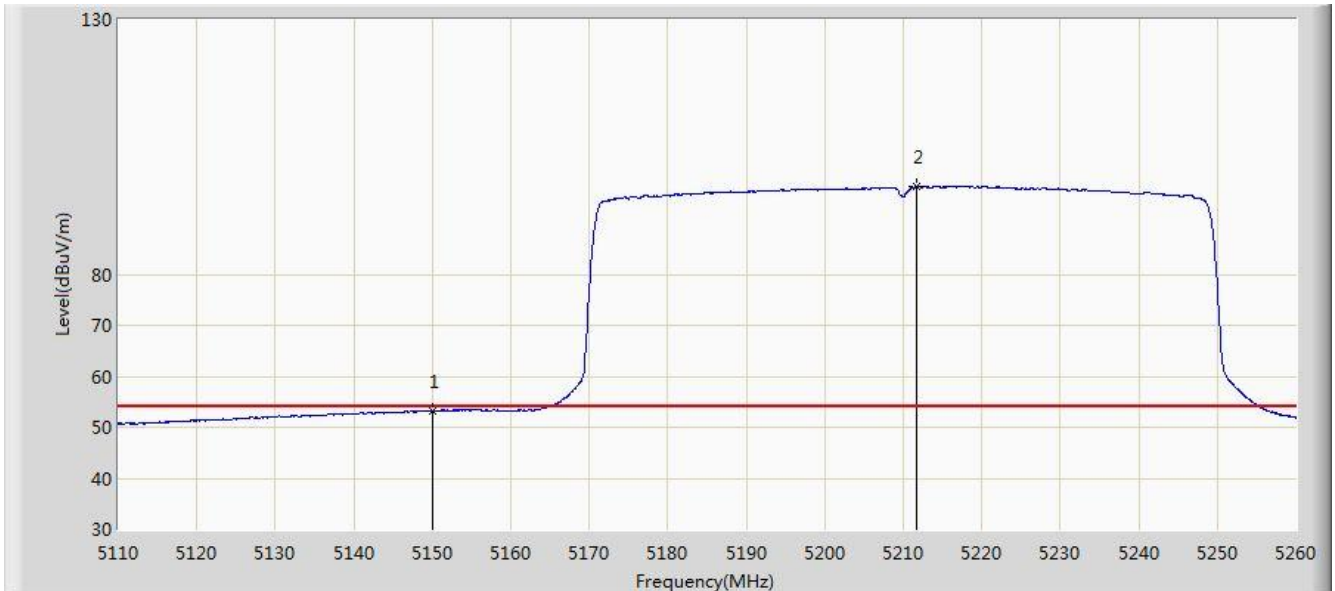


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.850	67.310	60.510	-6.690	74.000	6.800	PK
2			5150.000	64.611	57.812	-9.389	74.000	6.799	PK
3		*	5223.400	110.741	104.153	N/A	N/A	6.588	PK

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

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

Site: AC1	Time: 2019/11/28 - 04:51
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz (Non Beam-Forming Mode)	

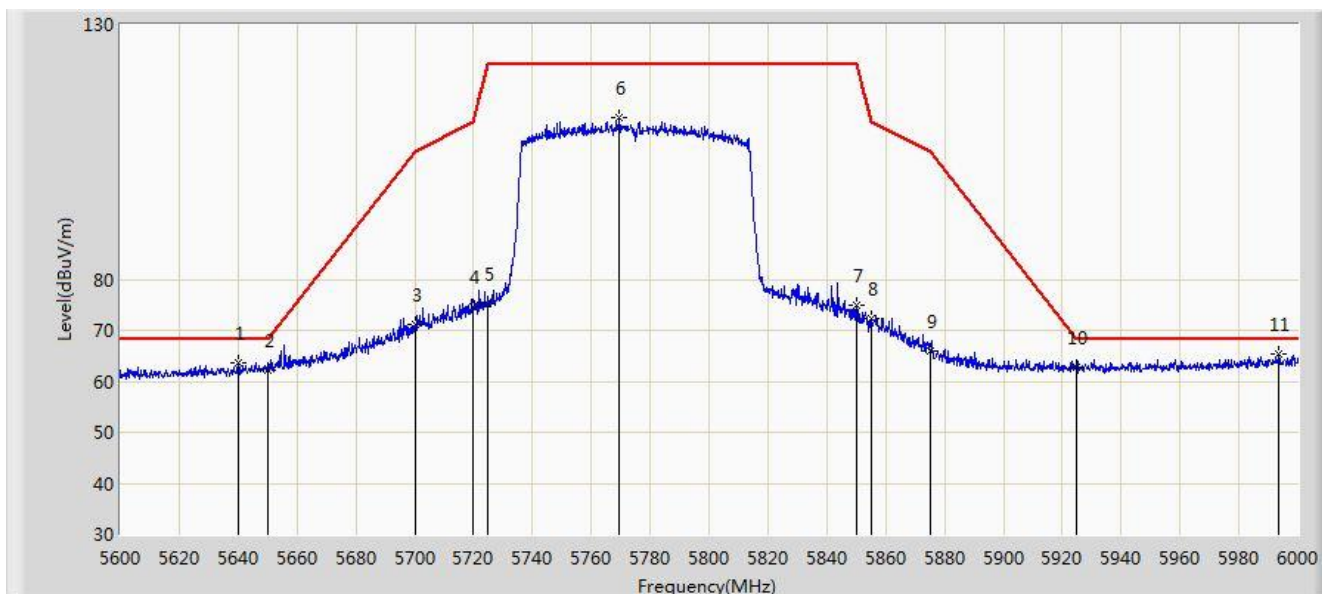


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.225	46.426	-0.775	54.000	6.799	AV
2		*	5211.625	97.258	90.782	N/A	N/A	6.476	AV

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

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

Site: AC1	Time: 2019/11/28 - 03:40
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5775MHz (Non Beam-Forming Mode)	

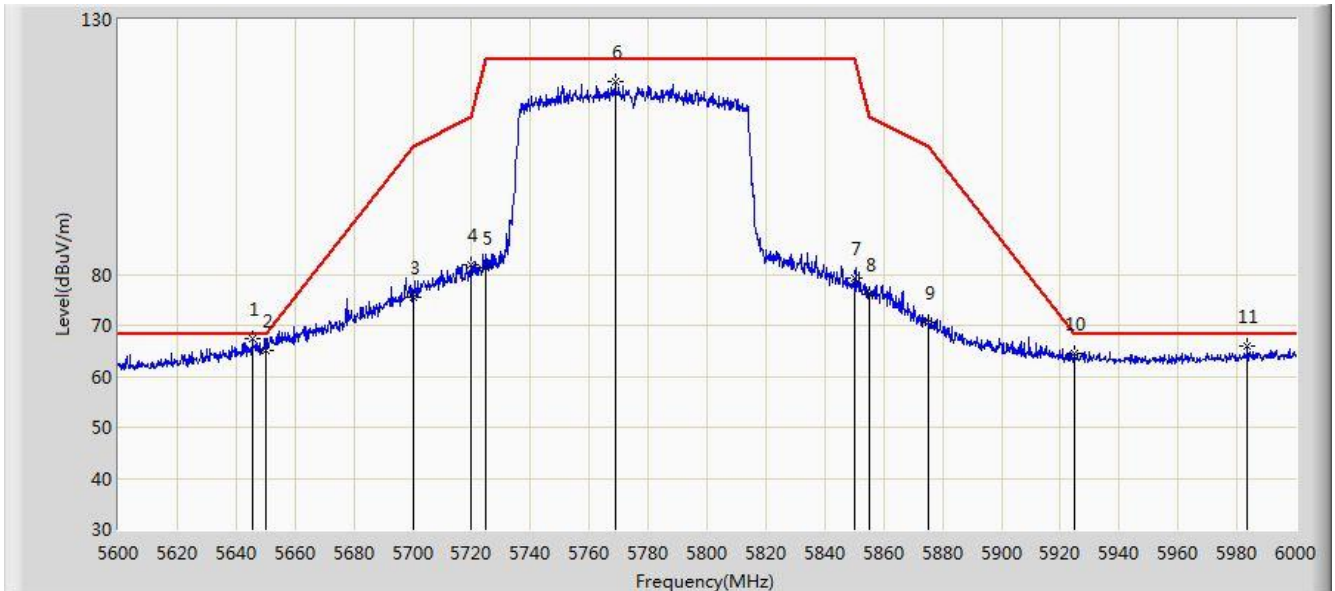


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5640.200	63.653	56.702	-4.547	68.200	6.951	PK
2			5650.000	62.230	55.089	-5.970	68.200	7.140	PK
3			5700.000	71.019	63.804	-34.181	105.200	7.215	PK
4			5720.000	74.678	67.406	-36.122	110.800	7.273	PK
5			5725.000	75.232	67.900	-46.968	122.200	7.332	PK
6			5769.400	111.784	104.284	N/A	N/A	7.500	PK
7			5850.000	74.976	67.285	-47.224	122.200	7.692	PK
8			5855.000	72.281	64.637	-38.519	110.800	7.644	PK
9			5875.000	65.830	58.228	-39.370	105.200	7.602	PK
10			5925.000	62.875	55.049	-5.325	68.200	7.826	PK
11		*	5993.600	65.271	57.404	-2.929	68.200	7.866	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: AC1	Time: 2019/11/28 - 03:40
Limit: FCC_Part15.407_RSE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5775MHz (Non Beam-Forming Mode)	

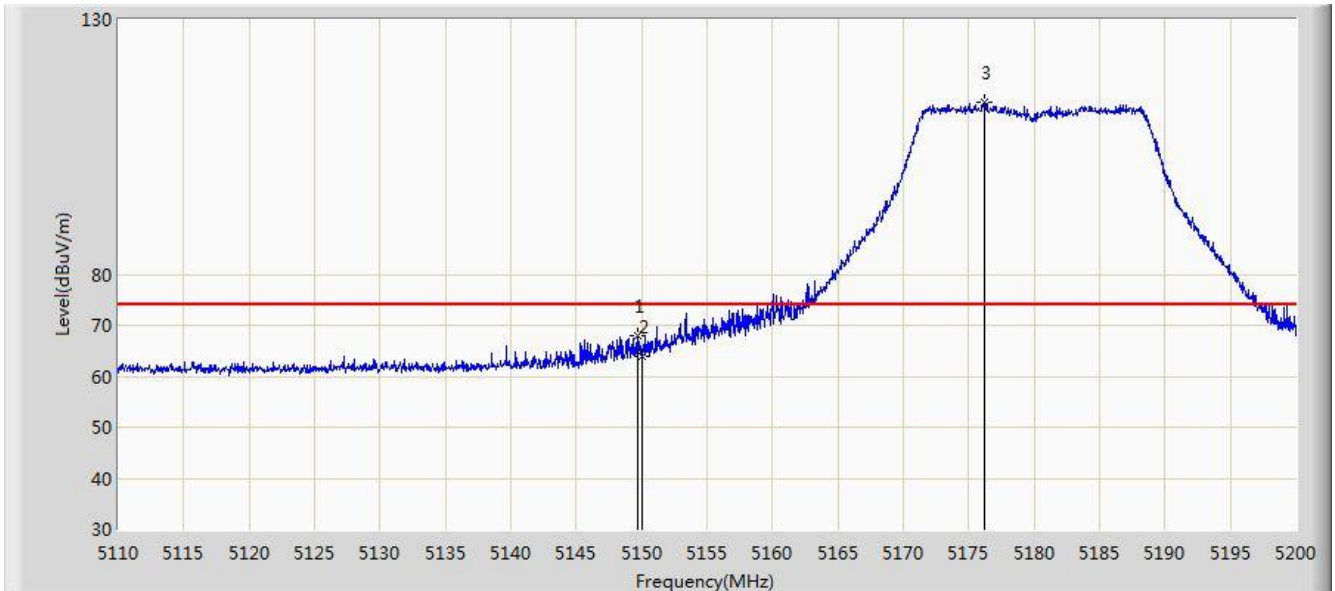


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5645.600	67.318	60.272	-0.882	68.200	7.046	PK
2			5650.000	65.166	58.026	-3.034	68.200	7.140	PK
3			5700.000	75.594	67.769	-29.606	105.200	7.215	PK
4			5720.000	81.773	74.500	-29.027	110.800	7.273	PK
5			5725.000	81.183	73.851	-41.017	122.200	7.332	PK
6			5768.800	117.940	110.446	N/A	N/A	7.495	PK
7			5850.000	79.148	71.456	-43.052	122.200	7.692	PK
8			5855.000	76.065	68.421	-34.735	110.800	7.644	PK
9			5875.000	70.643	63.041	-34.557	105.200	7.602	PK
10			5925.000	64.469	56.643	-3.731	68.200	7.826	PK
11			5983.600	65.817	58.066	-2.383	68.200	7.751	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: AC1	Time: 2019/12/14 - 04:13
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (Beam-Forming Mode)	

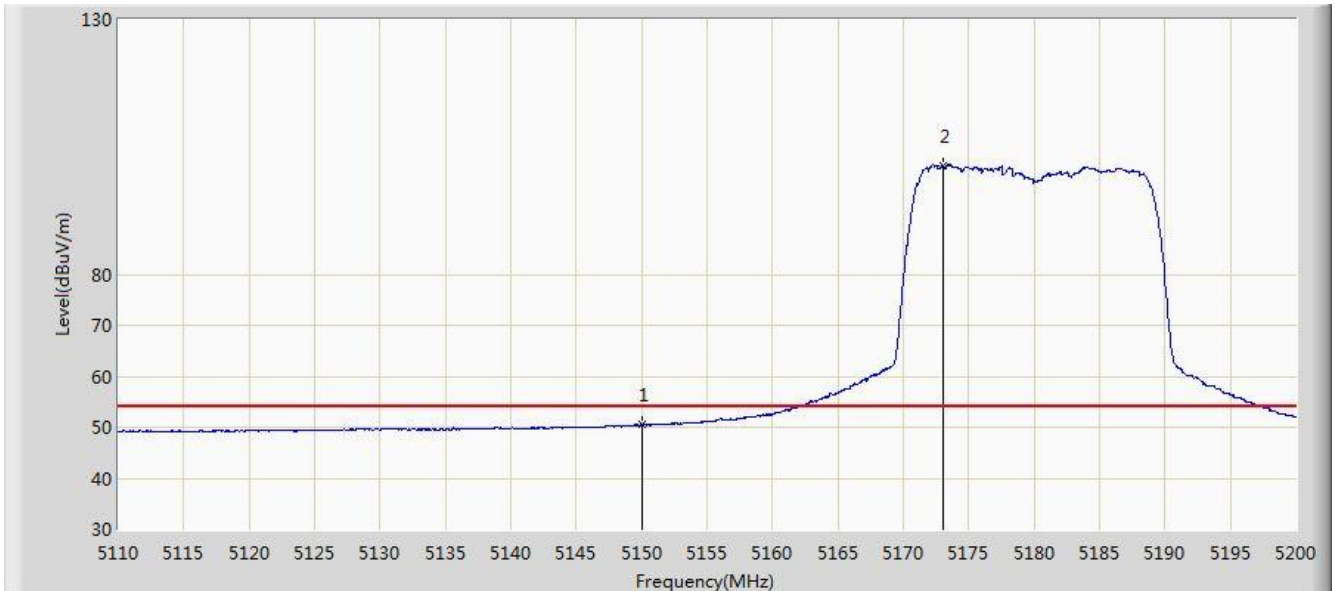


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.645	67.849	61.051	-6.151	74.000	6.797	PK
2			5150.000	63.862	57.063	-10.138	74.000	6.799	PK
3		*	5176.195	113.817	107.005	N/A	N/A	6.812	PK

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

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

Site: AC1	Time: 2019/12/14 - 04:12
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (Beam-Forming Mode)	

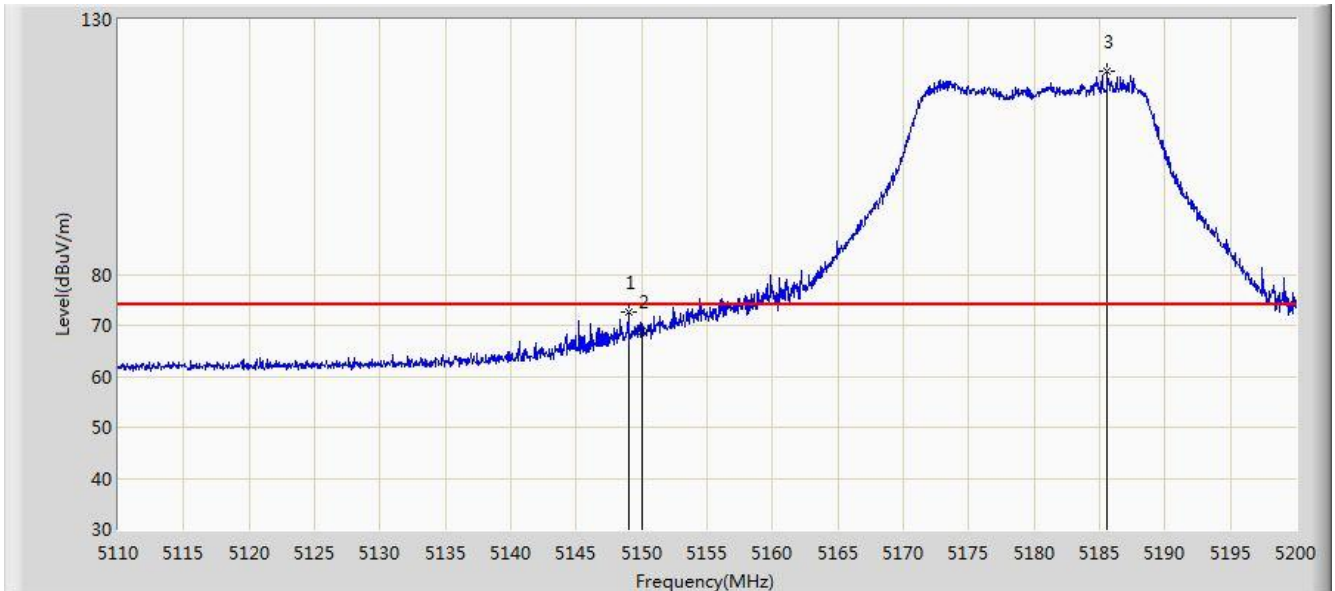


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.489	43.690	-3.511	54.000	6.799	AV
2		*	5173.090	101.335	94.512	N/A	N/A	6.824	AV

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

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

Site: AC1	Time: 2019/12/14 - 04:08
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (Beam-Forming Mode)	

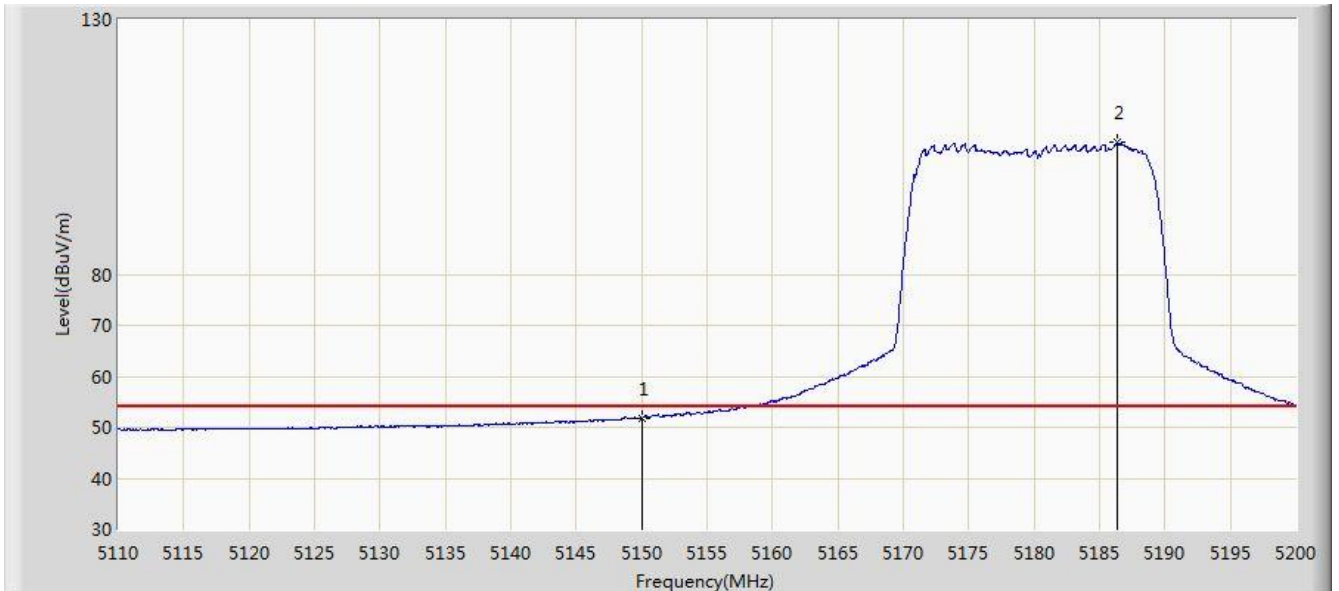


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.970	72.573	65.778	-1.427	74.000	6.795	PK
2			5150.000	68.933	62.134	-5.067	74.000	6.799	PK
3		*	5185.600	119.756	113.022	N/A	N/A	6.734	PK

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

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

Site: AC1	Time: 2019/12/14 - 04:11
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz (Beam-Forming Mode)	

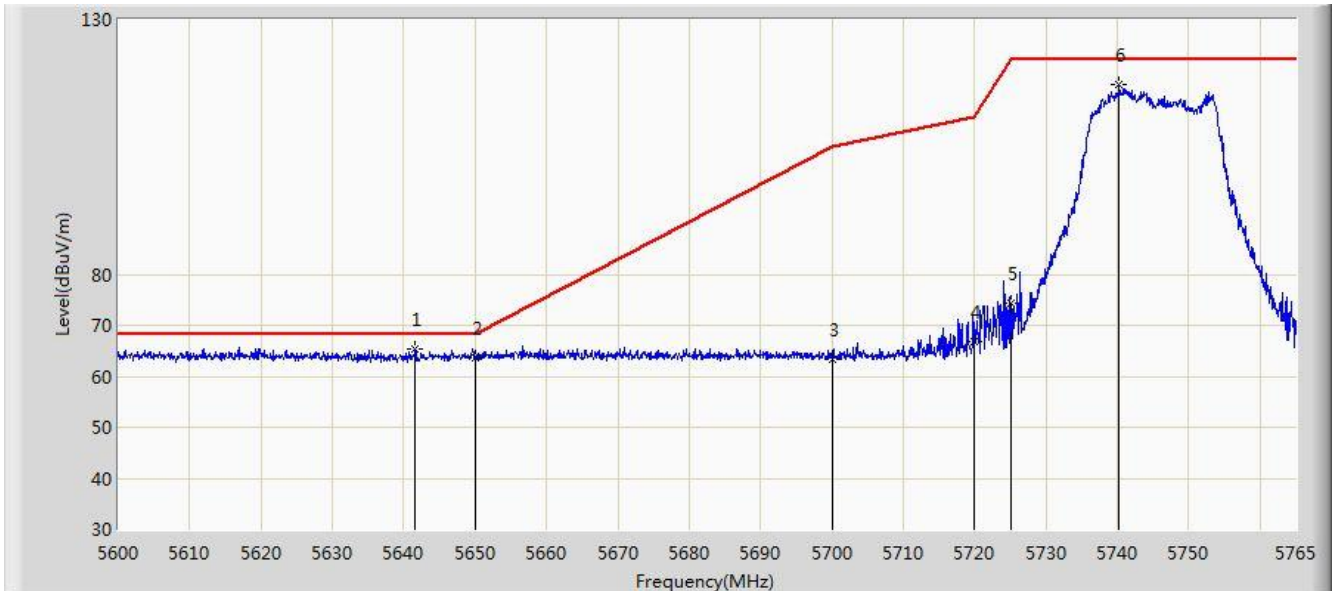


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.851	45.052	-2.149	54.000	6.799	AV
2		*	5186.365	105.939	99.217	N/A	N/A	6.722	AV

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

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

Site: AC1	Time: 2019/12/11 - 00:16
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz (Beam-Forming Mode)	

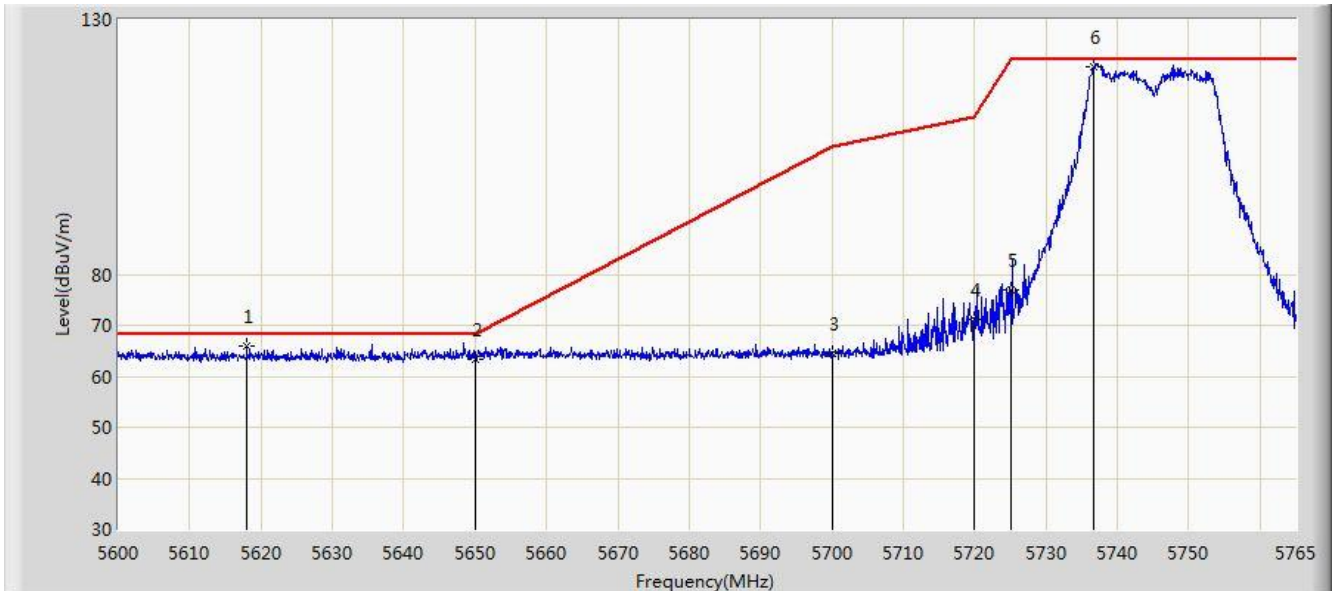


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5641.663	65.273	58.311	-2.927	68.200	6.961	PK
2			5650.000	63.743	56.603	-4.457	68.200	7.140	PK
3			5700.000	63.460	56.245	-41.740	105.200	7.215	PK
4			5720.000	66.813	59.540	-43.987	110.800	7.273	PK
5			5725.000	74.439	67.107	-47.761	122.200	7.332	PK
6			5740.167	117.143	109.715	N/A	N/A	7.429	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: AC1	Time: 2019/12/11 - 00:12
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz (Beam-Forming Mode)	

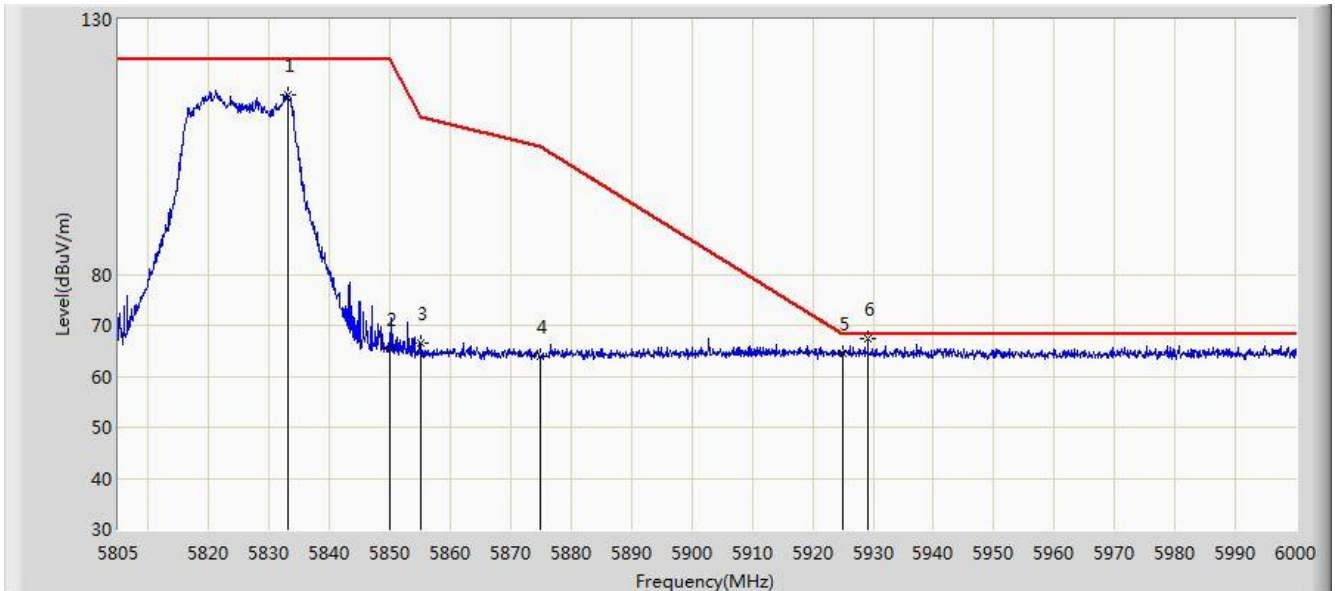


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5617.985	65.821	58.775	-2.379	68.200	7.047	PK
2			5650.000	63.327	56.187	-4.873	68.200	7.140	PK
3			5700.000	64.449	57.234	-40.751	105.200	7.215	PK
4			5720.000	71.054	63.781	-39.746	110.800	7.273	PK
5			5725.000	76.815	69.483	-45.385	122.200	7.332	PK
6		*	5736.620	120.614	113.207	N/A	N/A	7.406	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: AC1	Time: 2019/12/11 - 00:24
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz (Beam-Forming Mode)	

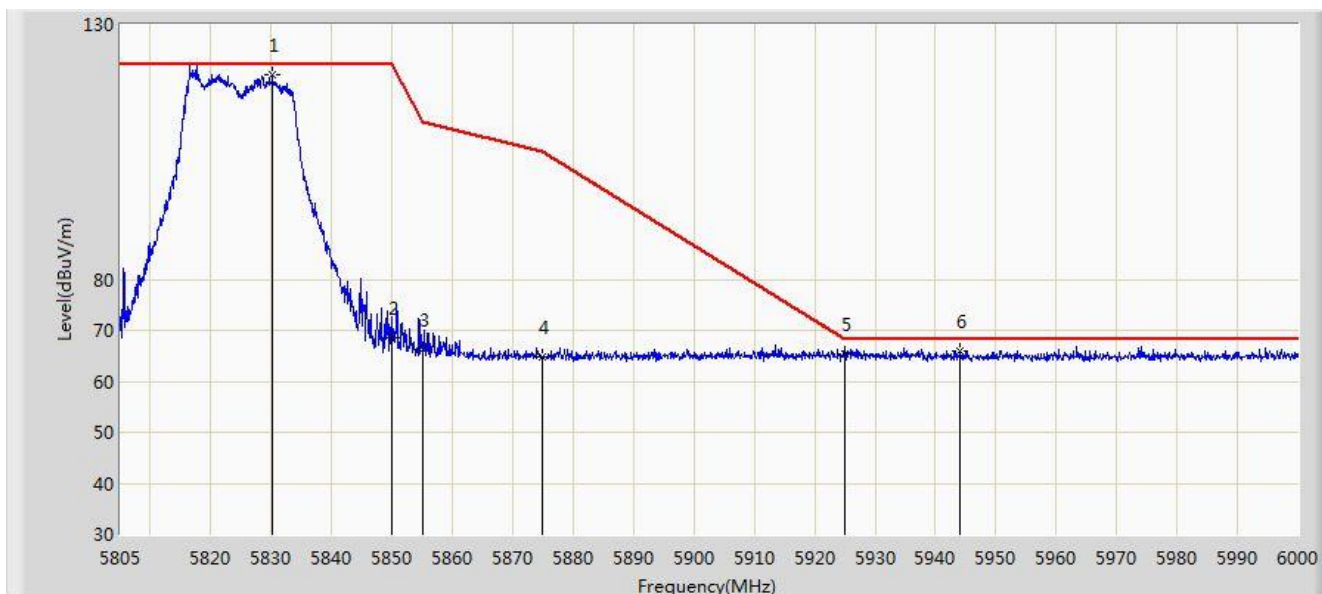


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5832.982	115.285	107.526	N/A	N/A	7.758	PK
2			5850.000	65.355	57.663	-56.845	122.200	7.692	PK
3			5855.000	66.413	58.769	-44.387	110.800	7.644	PK
4			5875.000	63.957	56.355	-41.243	105.200	7.602	PK
5			5925.000	64.557	56.731	-3.643	68.200	7.826	PK
6		*	5929.118	67.285	59.479	-0.915	68.200	7.806	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: AC1	Time: 2019/12/11 - 00:22
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz (Beam-Forming Mode)	

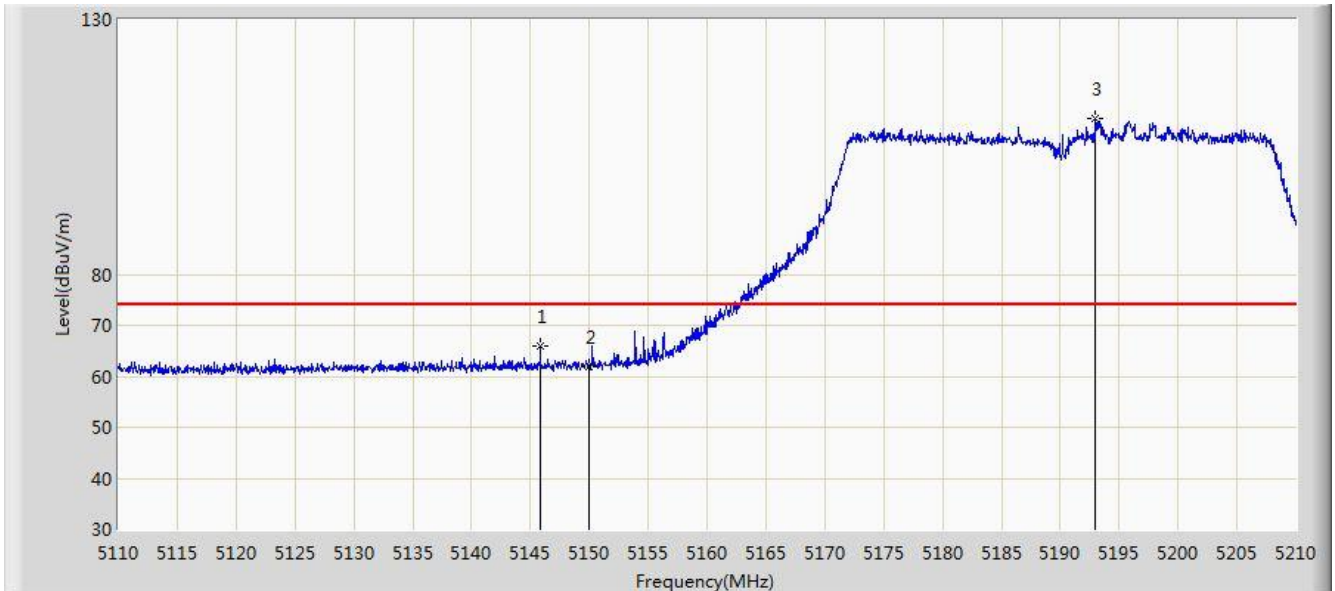


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5830.155	120.088	112.325	N/A	N/A	7.763	PK
2			5850.000	68.684	60.992	-53.516	122.200	7.692	PK
3			5855.000	66.366	58.722	-44.434	110.800	7.644	PK
4			5875.000	64.766	57.164	-40.434	105.200	7.602	PK
5			5925.000	65.297	57.471	-2.903	68.200	7.826	PK
6			5944.132	65.983	58.281	-2.217	68.200	7.702	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: AC1	Time: 2019/12/14 - 03:52
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (Beam-Forming Mode)	

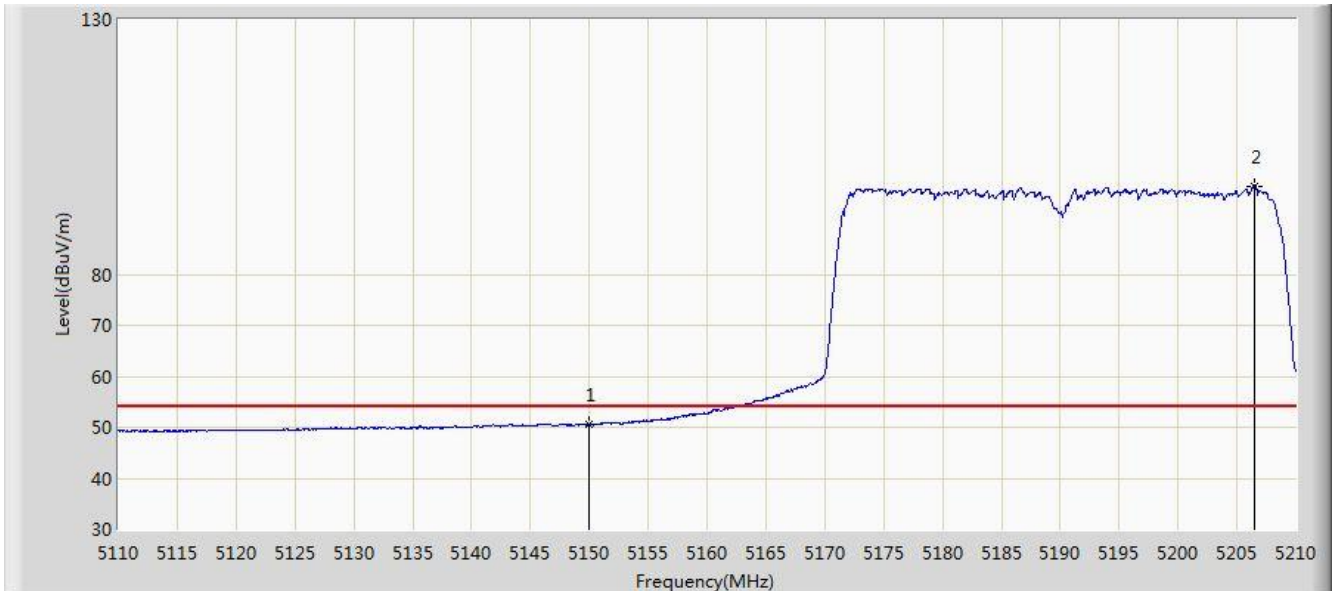


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.850	65.882	59.082	-8.118	74.000	6.800	PK
2			5150.000	61.950	55.151	-12.050	74.000	6.799	PK
3		*	5193.000	110.471	103.852	N/A	N/A	6.619	PK

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

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

Site: AC1	Time: 2019/12/14 - 03:53
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (Beam-Forming Mode)	

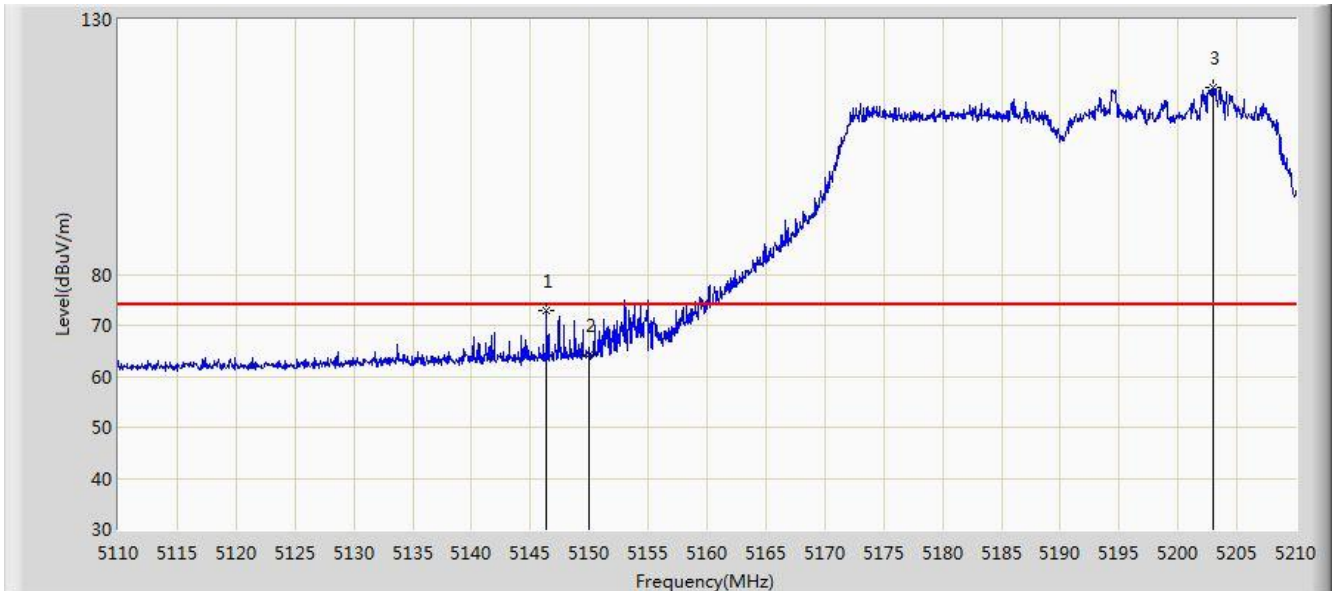


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.447	43.648	-3.553	54.000	6.799	AV
2		*	5206.450	97.278	90.781	N/A	N/A	6.497	AV

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

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

Site: AC1	Time: 2019/12/14 - 03:47
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (Beam-Forming Mode)	

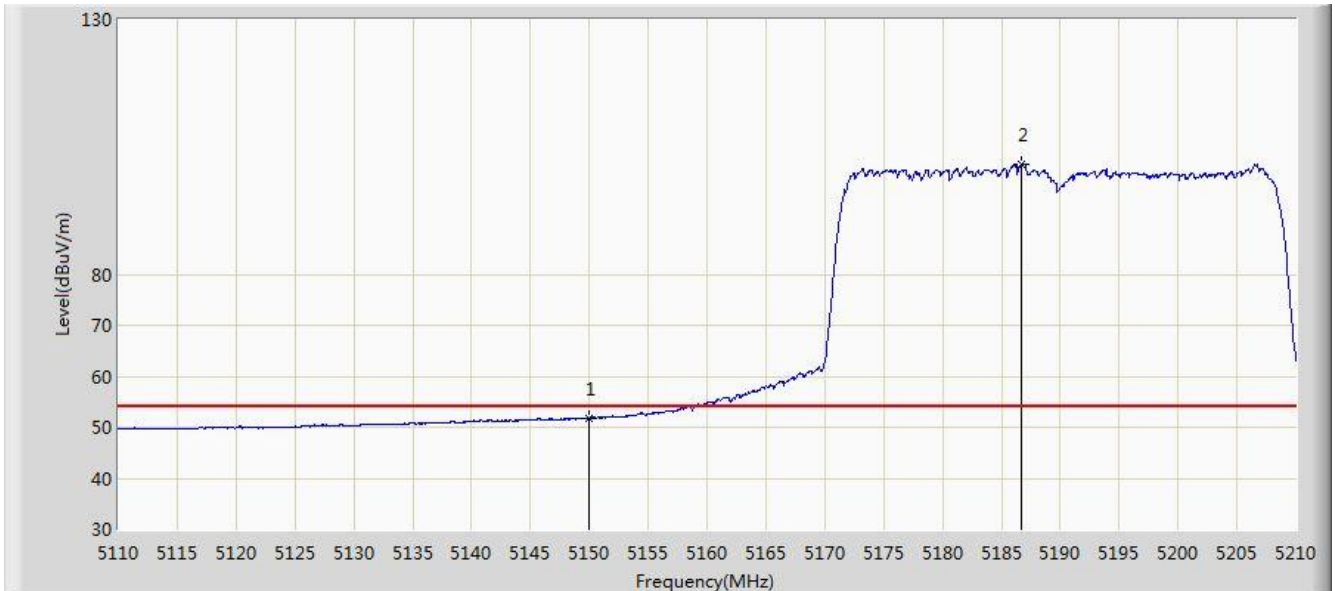


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.400	72.869	66.071	-1.131	74.000	6.798	PK
2			5150.000	64.241	57.442	-9.759	74.000	6.799	PK
3		*	5202.950	116.696	110.185	N/A	N/A	6.511	PK

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

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

Site: AC1	Time: 2019/12/14 - 03:48
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz (Beam-Forming Mode)	

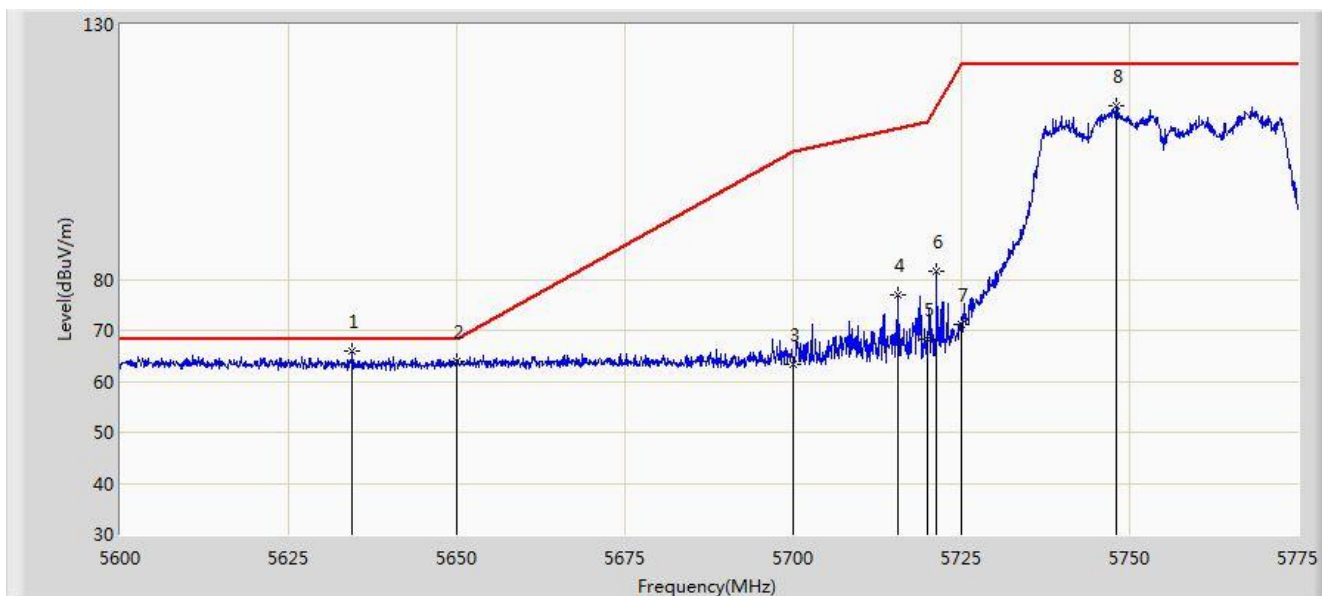


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.721	44.922	-2.279	54.000	6.799	AV
2		*	5186.750	101.584	94.868	N/A	N/A	6.716	AV

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

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

Site: AC1	Time: 2019/12/11 - 02:01
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz (Beam-Forming Mode)	

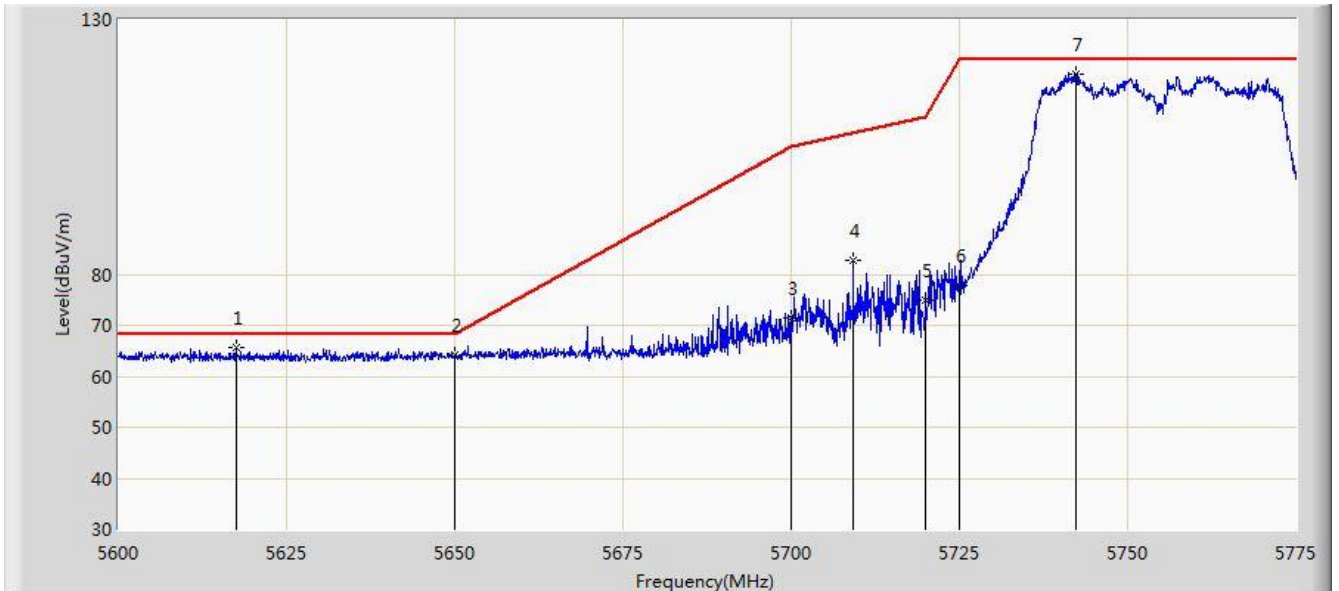


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.475	65.914	58.934	-2.286	68.200	6.979	PK
2			5650.000	63.861	56.721	-4.339	68.200	7.140	PK
3			5700.000	63.298	56.083	-41.902	105.200	7.215	PK
4			5715.500	77.053	69.833	-32.489	109.542	7.219	PK
5			5720.000	68.391	61.118	-42.409	110.800	7.273	PK
6			5721.362	81.506	74.217	-32.400	113.906	7.289	PK
7			5725.000	71.175	63.843	-51.025	122.200	7.332	PK
8			5747.962	113.987	106.547	N/A	N/A	7.440	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: AC1	Time: 2019/12/11 - 02:02
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz (Beam-Forming Mode)	

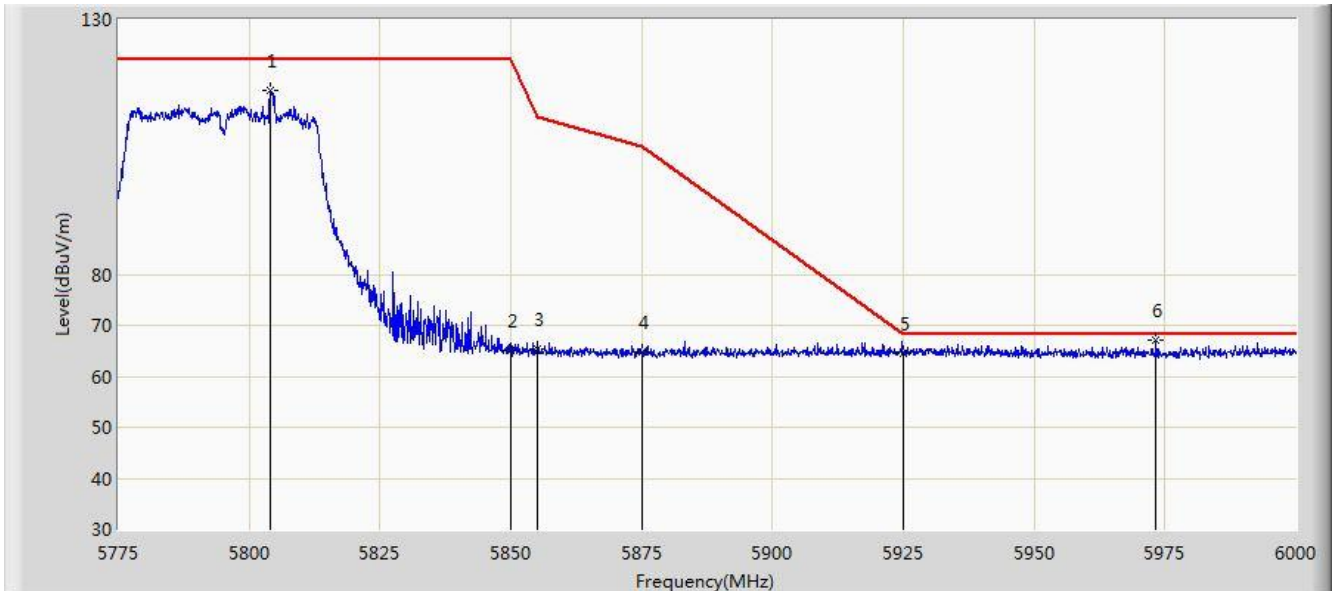


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5617.500	65.563	58.516	-2.637	68.200	7.047	PK
2			5650.000	64.155	57.015	-4.045	68.200	7.140	PK
3			5700.000	71.448	64.233	-33.752	105.200	7.215	PK
4			5709.200	82.801	75.656	-24.977	107.778	7.145	PK
5			5720.000	75.043	67.770	-35.757	110.800	7.273	PK
6			5725.000	77.701	70.369	-44.499	122.200	7.332	PK
7			5742.362	119.305	111.863	N/A	N/A	7.442	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: AC1	Time: 2019/12/11 - 02:05
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz (Beam-Forming Mode)	

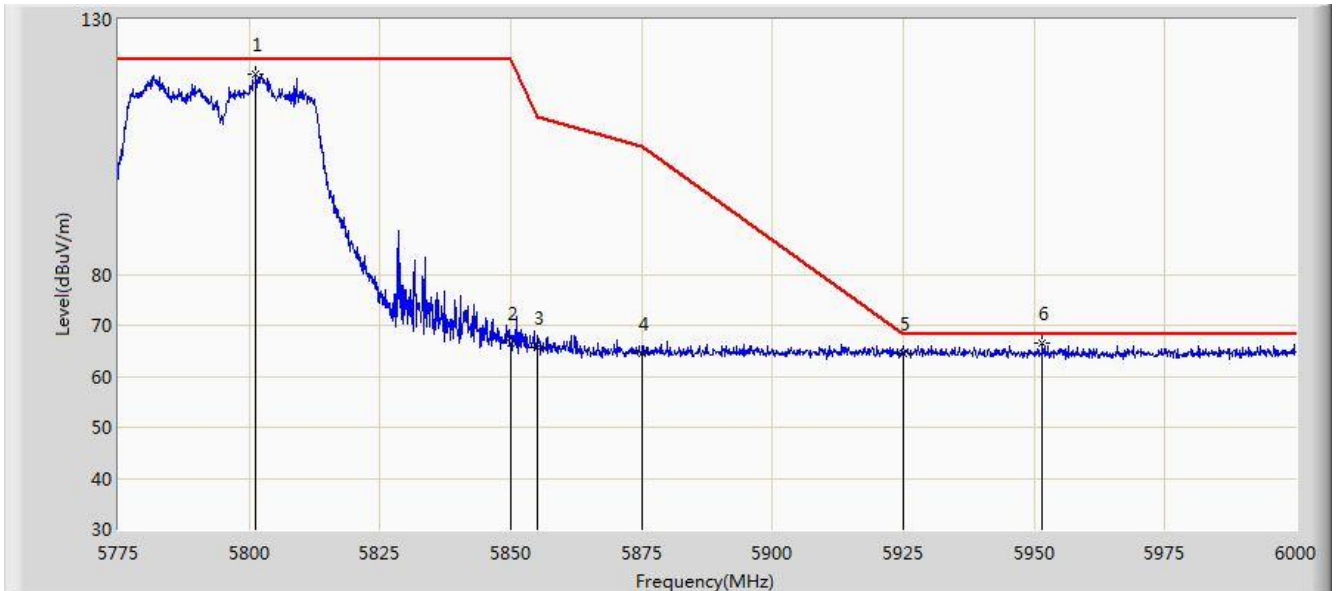


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5803.913	115.985	108.517	N/A	N/A	7.468	PK
2			5850.000	65.148	57.456	-57.052	122.200	7.692	PK
3			5855.000	65.285	57.641	-45.515	110.800	7.644	PK
4			5875.000	64.798	57.196	-40.402	105.200	7.602	PK
5			5925.000	64.387	56.561	-3.813	68.200	7.826	PK
6		*	5973.337	67.125	59.455	-1.075	68.200	7.670	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: AC1	Time: 2019/12/11 - 02:06
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz (Beam-Forming Mode)	

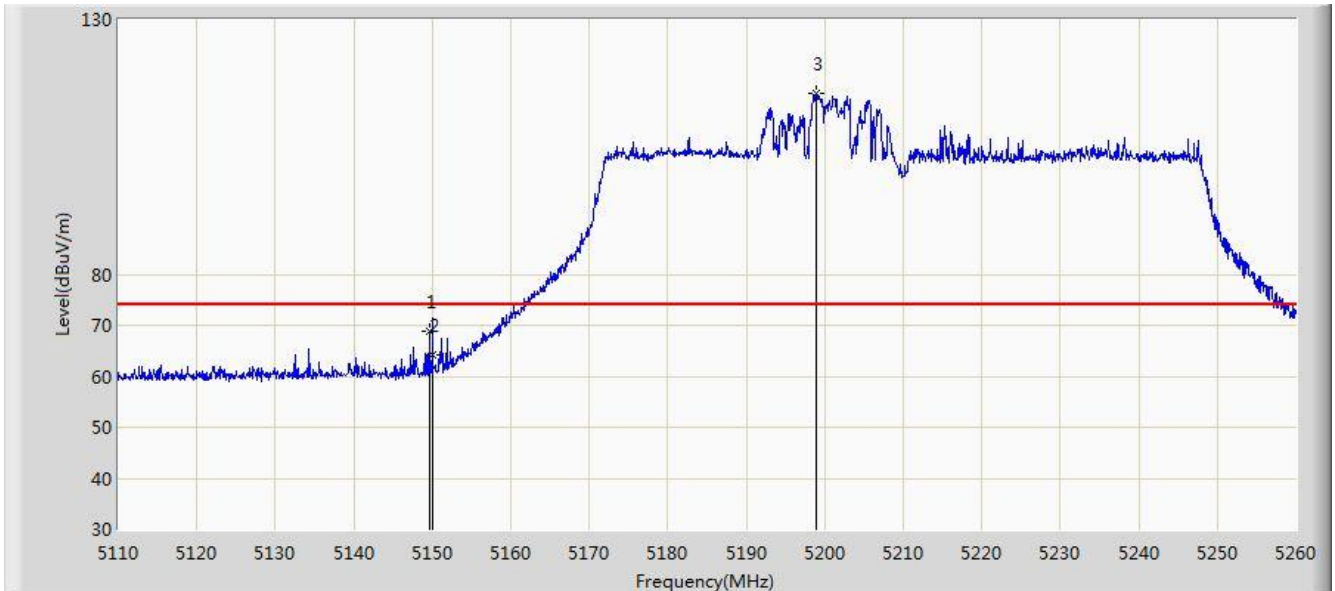


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5801.212	119.311	111.838	N/A	N/A	7.473	PK
2			5850.000	66.431	58.739	-55.769	122.200	7.692	PK
3			5855.000	65.725	58.081	-45.075	110.800	7.644	PK
4			5875.000	64.630	57.028	-40.570	105.200	7.602	PK
5			5925.000	64.417	56.591	-3.783	68.200	7.826	PK
6		*	5951.513	66.403	58.740	-1.797	68.200	7.663	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: AC1	Time: 2019/12/14 - 02:54
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (Beam-Forming Mode)	

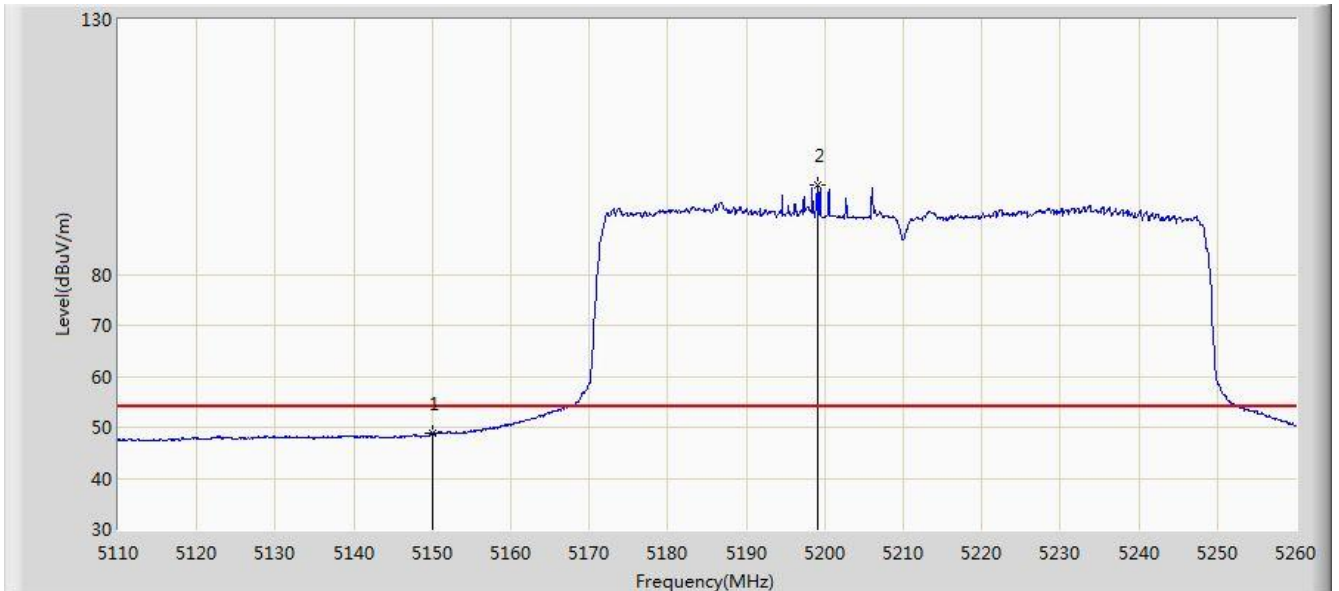


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.600	68.817	62.019	-5.183	74.000	6.798	PK
2			5150.000	64.162	57.363	-9.838	74.000	6.799	PK
3		*	5198.875	115.610	109.081	N/A	N/A	6.528	PK

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

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

Site: AC1	Time: 2019/12/14 - 02:53
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (Beam-Forming Mode)	

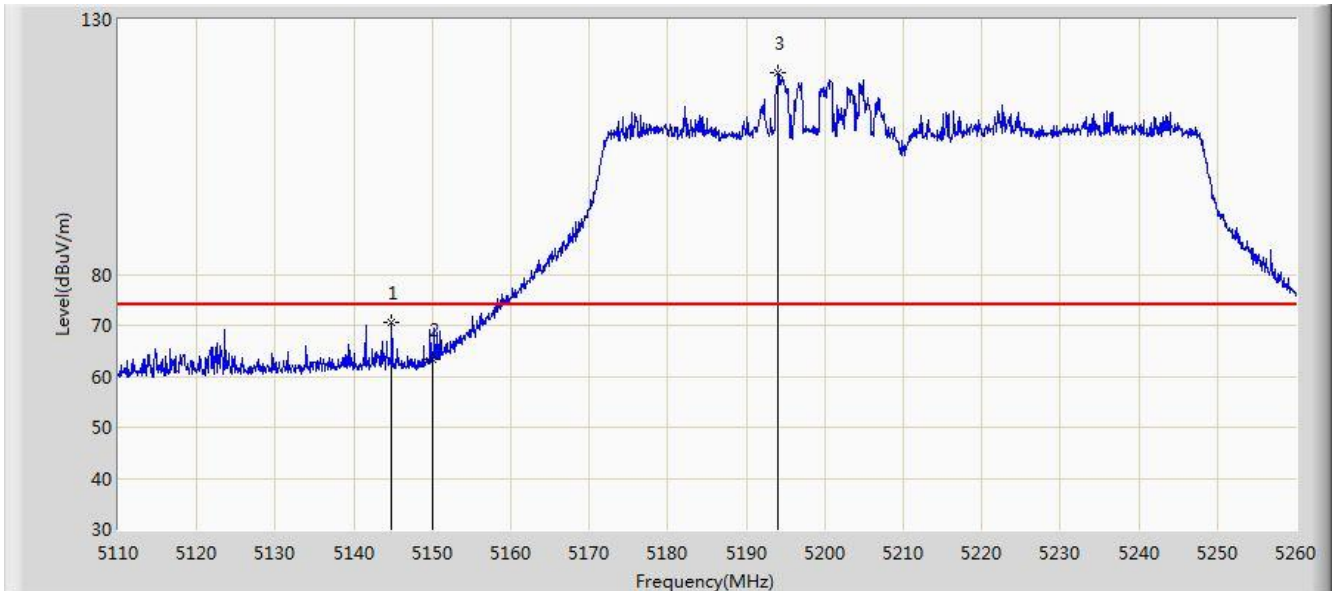


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.789	41.990	-5.211	54.000	6.799	AV
2		*	5199.025	97.610	91.083	N/A	N/A	6.527	AV

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

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

Site: AC1	Time: 2019/12/14 - 02:49
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (Beam-Forming Mode)	

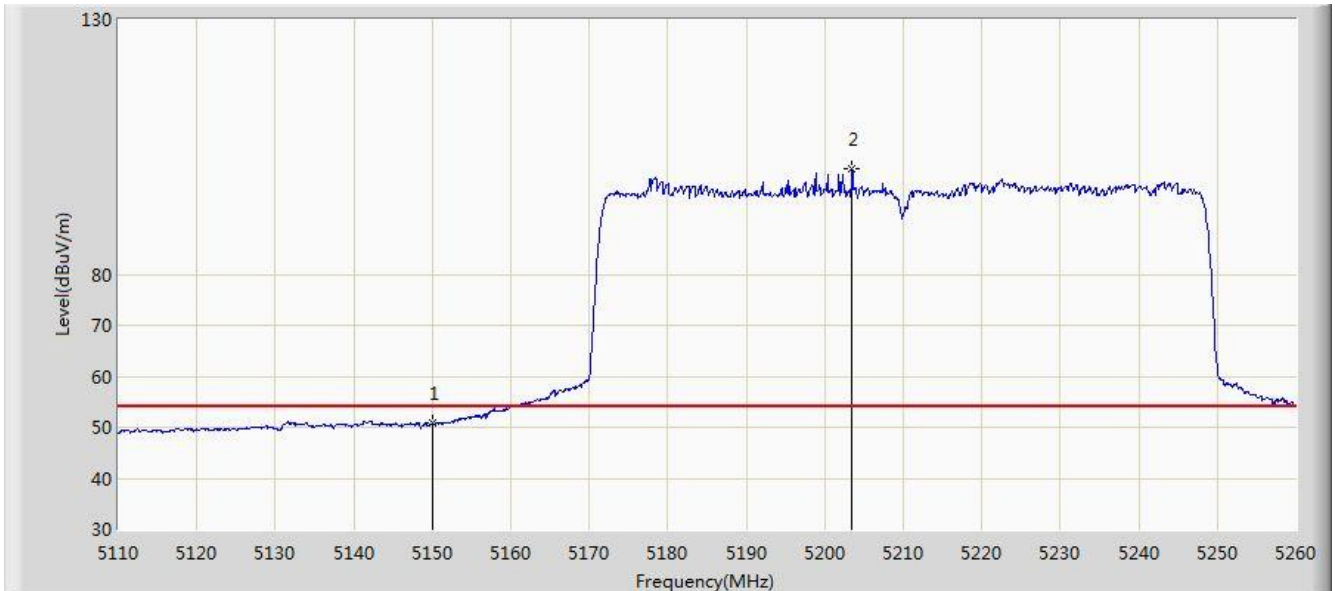


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.800	70.517	63.713	-3.483	74.000	6.805	PK
2			5150.000	63.365	56.566	-10.635	74.000	6.799	PK
3		*	5194.075	119.504	112.901	N/A	N/A	6.603	PK

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

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

Site: AC1	Time: 2019/12/14 - 02:52
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz (Beam-Forming Mode)	

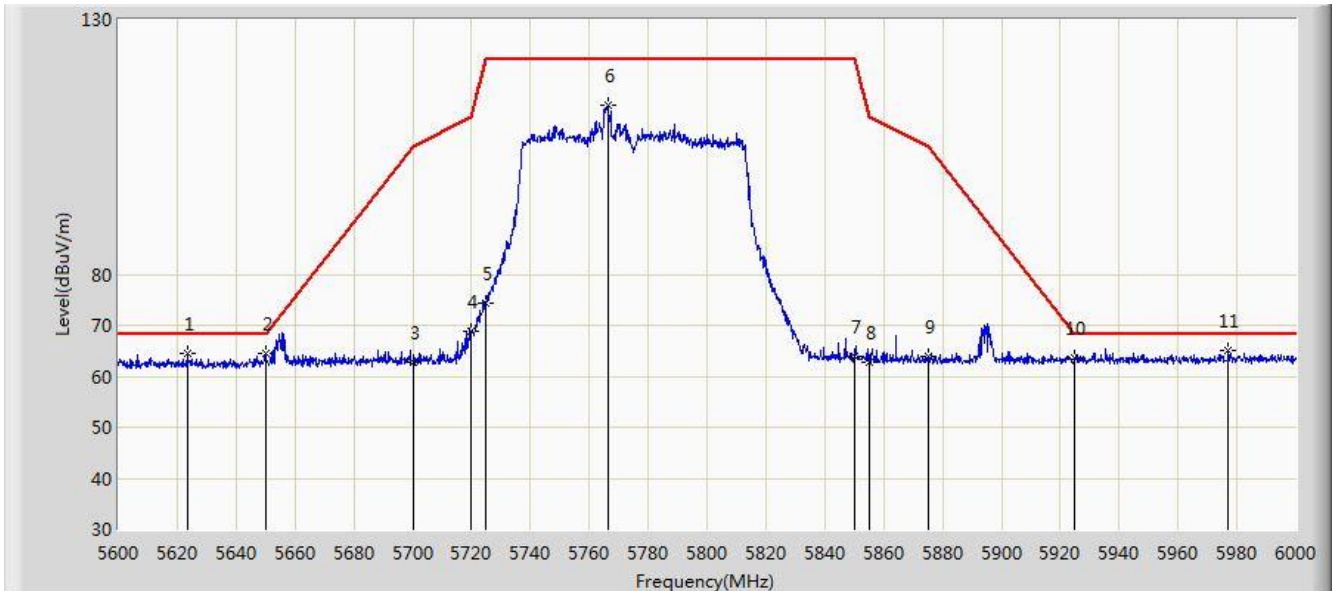


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.739	43.940	-3.261	54.000	6.799	AV
2		*	5203.450	100.794	94.285	N/A	N/A	6.509	AV

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

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

Site: AC1	Time: 2019/12/14 - 03:03
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz (Beam-Forming Mode)	

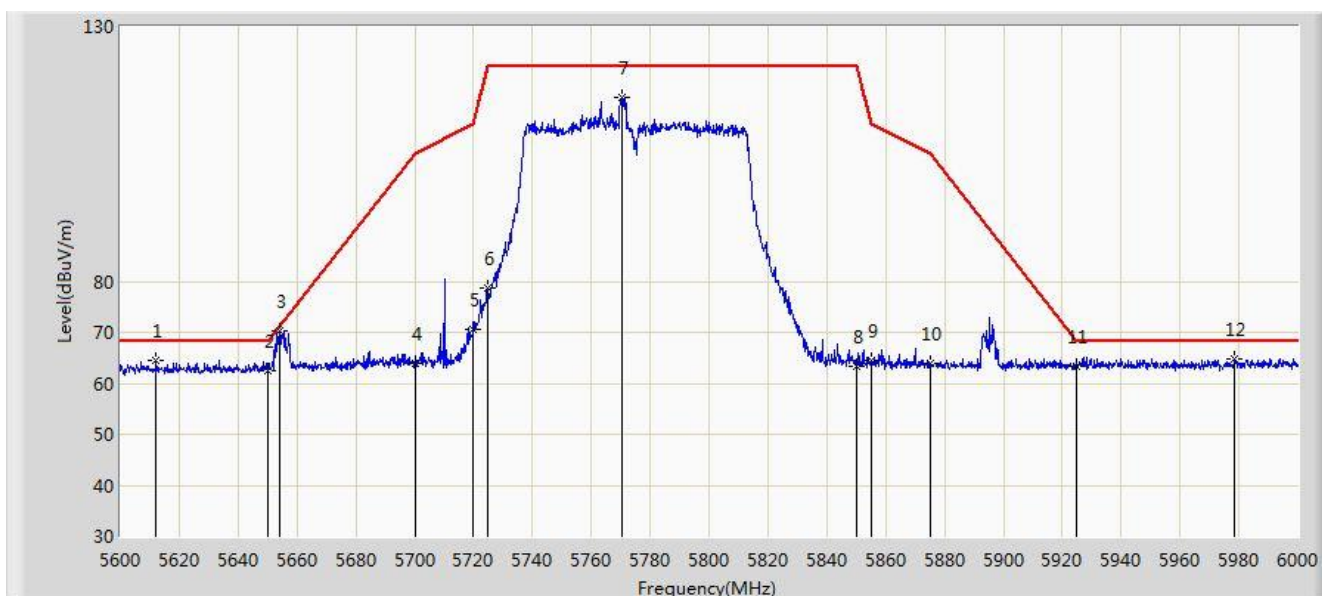


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5623.400	64.537	57.504	-3.663	68.200	7.033	PK
2			5650.000	64.498	57.358	-3.702	68.200	7.140	PK
3			5700.000	62.747	55.532	-42.453	105.200	7.215	PK
4			5720.000	68.886	61.613	-41.914	110.800	7.273	PK
5			5725.000	74.451	67.119	-47.749	122.200	7.332	PK
6			5766.200	113.295	105.819	N/A	N/A	7.476	PK
7			5850.000	63.792	56.100	-58.408	122.200	7.692	PK
8			5855.000	62.816	55.172	-47.984	110.800	7.644	PK
9			5875.000	63.809	56.207	-41.391	105.200	7.602	PK
10			5925.000	63.491	55.665	-4.709	68.200	7.826	PK
11		*	5977.000	64.987	57.293	-3.213	68.200	7.694	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: AC1	Time: 2019/12/14 - 03:02
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz (Beam-Forming Mode)	

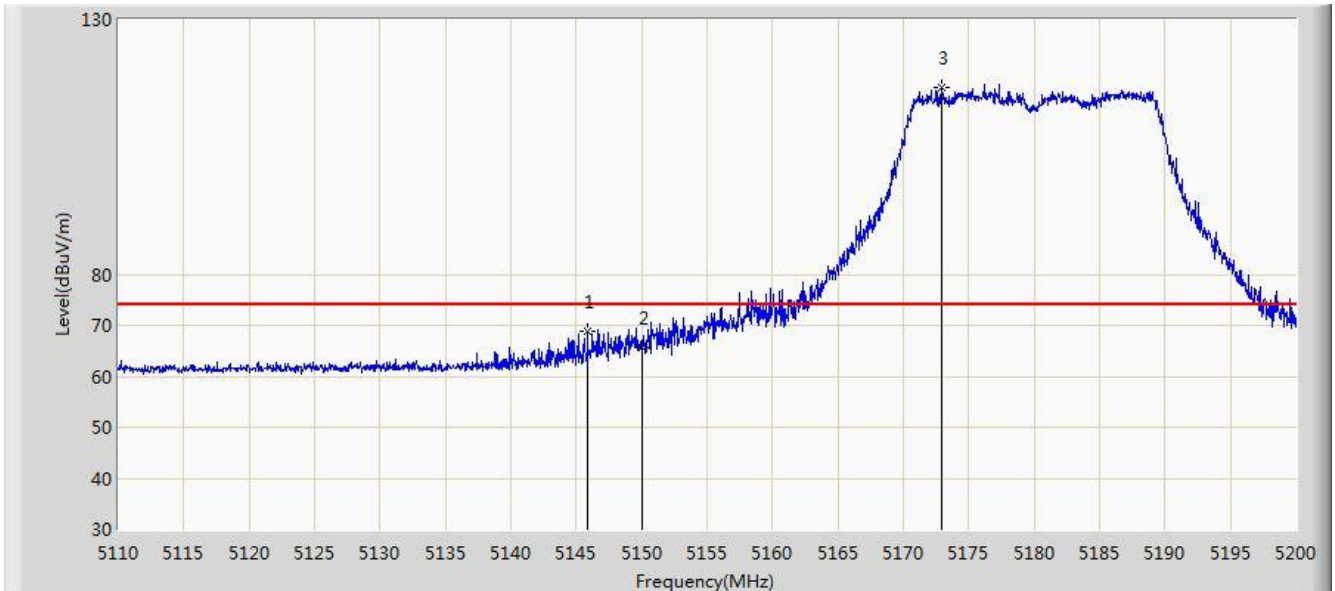


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5612.200	64.459	57.399	-3.741	68.200	7.059	PK
2			5650.000	62.601	55.461	-5.599	68.200	7.140	PK
3		*	5654.000	70.308	63.082	-0.864	71.172	7.225	PK
4			5700.000	63.963	56.748	-41.237	105.200	7.215	PK
5			5720.000	70.670	63.397	-40.130	110.800	7.273	PK
6			5725.000	78.817	71.485	-43.383	122.200	7.332	PK
7			5770.600	116.124	108.615	N/A	N/A	7.509	PK
8			5850.000	63.311	55.619	-58.889	122.200	7.692	PK
9			5855.000	64.469	56.825	-46.331	110.800	7.644	PK
10			5875.000	63.917	56.315	-41.283	105.200	7.602	PK
11			5925.000	63.344	55.518	-4.856	68.200	7.826	PK
12			5978.400	64.660	56.956	-3.540	68.200	7.704	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: AC1	Time: 2019/12/14 - 04:06
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz (Beam-Forming Mode)	

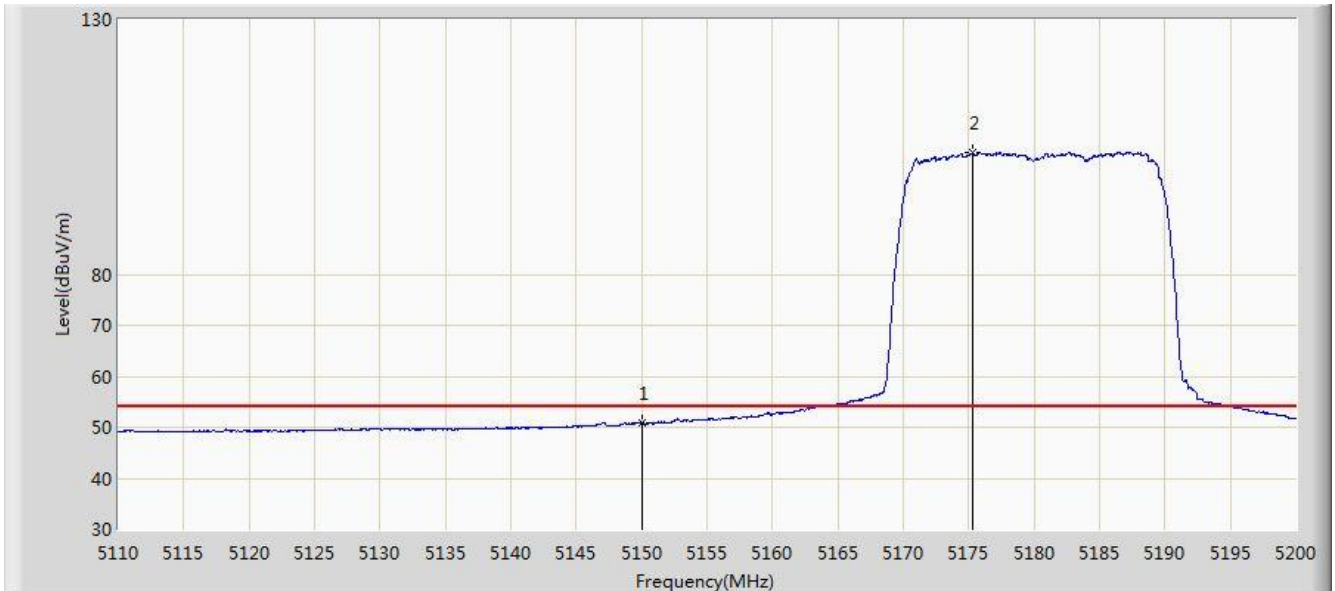


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.865	68.959	62.159	-5.041	74.000	6.800	PK
2			5150.000	65.738	58.939	-8.262	74.000	6.799	PK
3		*	5172.910	116.617	109.793	N/A	N/A	6.824	PK

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

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

Site: AC1	Time: 2019/12/14 - 04:07
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz (Beam-Forming Mode)	

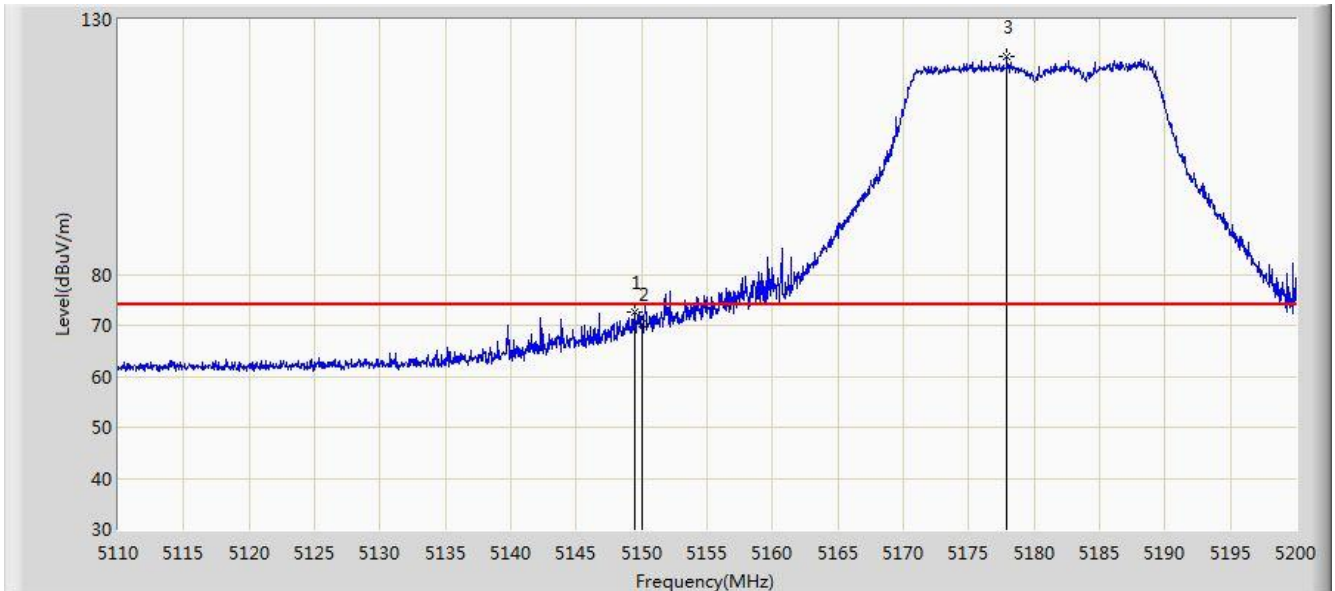


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.836	44.037	-3.164	54.000	6.799	AV
2		*	5175.250	103.777	96.962	N/A	N/A	6.815	AV

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

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

Site: AC1	Time: 2019/12/14 - 04:04
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz (Beam-Forming Mode)	

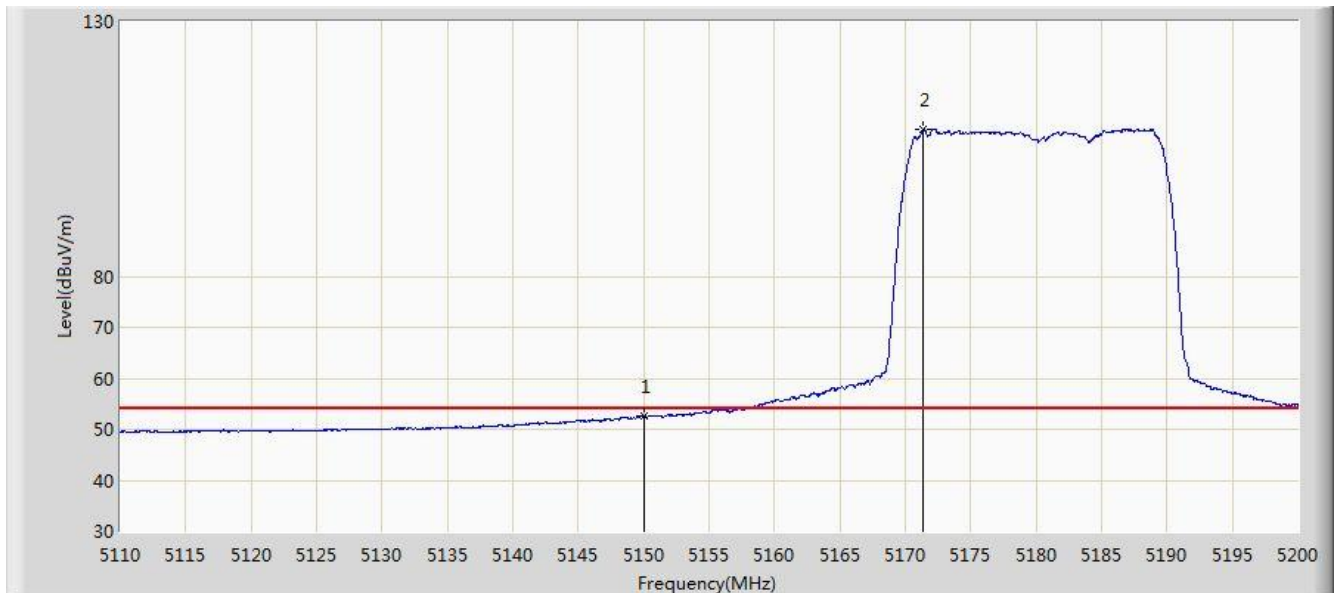


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.465	72.736	65.939	-1.264	74.000	6.797	PK
2			5150.000	70.317	63.518	-3.683	74.000	6.799	PK
3		*	5177.950	122.654	115.849	N/A	N/A	6.805	PK

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

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

Site: AC1	Time: 2019/12/14 - 04:05
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5180MHz (Beam-Forming Mode)	

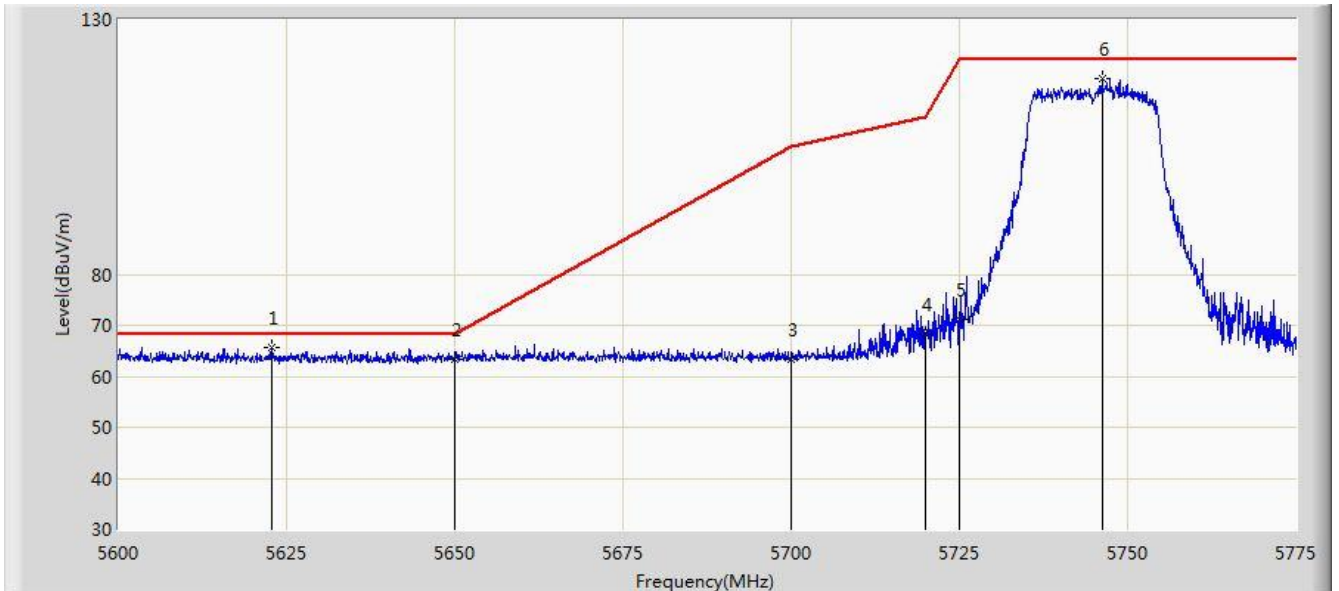


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.661	45.862	-1.339	54.000	6.799	AV
2	X	*	5171.380	108.764	101.934	N/A	N/A	6.830	AV

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

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

Site: AC1	Time: 2019/12/11 - 02:30
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5745MHz (Beam-Forming Mode)	

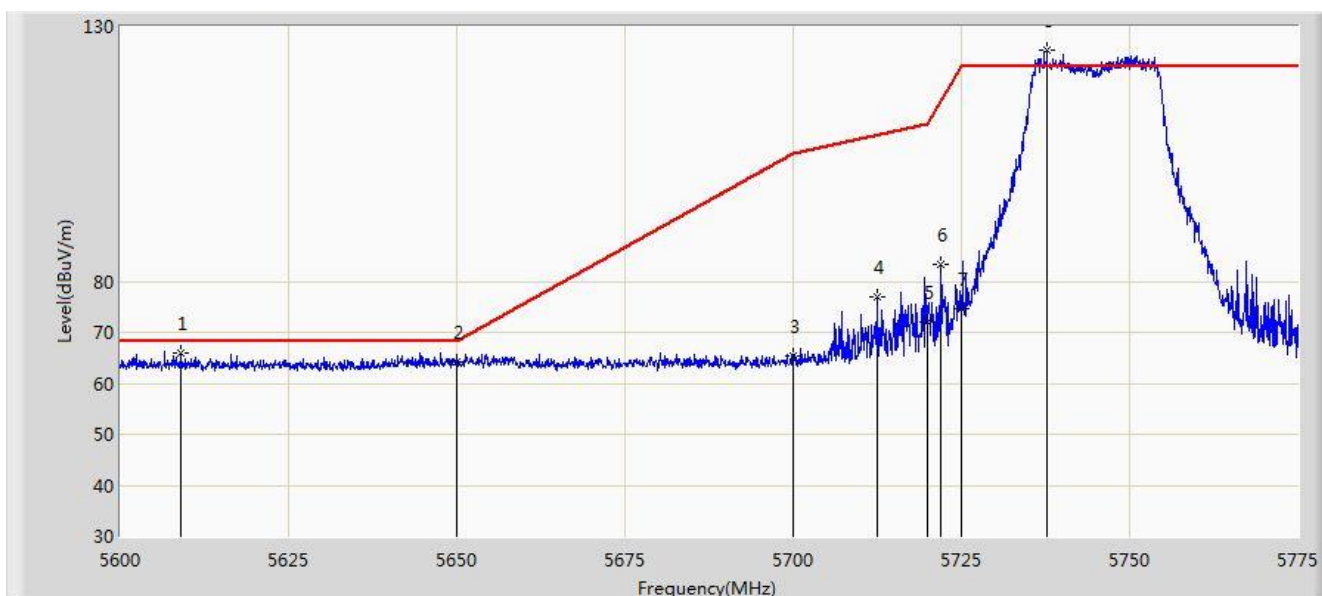


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5622.750	65.588	58.554	-2.612	68.200	7.035	PK
2			5650.000	63.457	56.317	-4.743	68.200	7.140	PK
3			5700.000	63.378	56.163	-41.822	105.200	7.215	PK
4			5720.000	68.134	60.861	-42.666	110.800	7.273	PK
5			5725.000	71.097	63.765	-51.103	122.200	7.332	PK
6			5746.212	118.367	110.925	N/A	N/A	7.442	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: AC1	Time: 2019/12/11 - 02:31
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5745MHz (Beam-Forming Mode)	

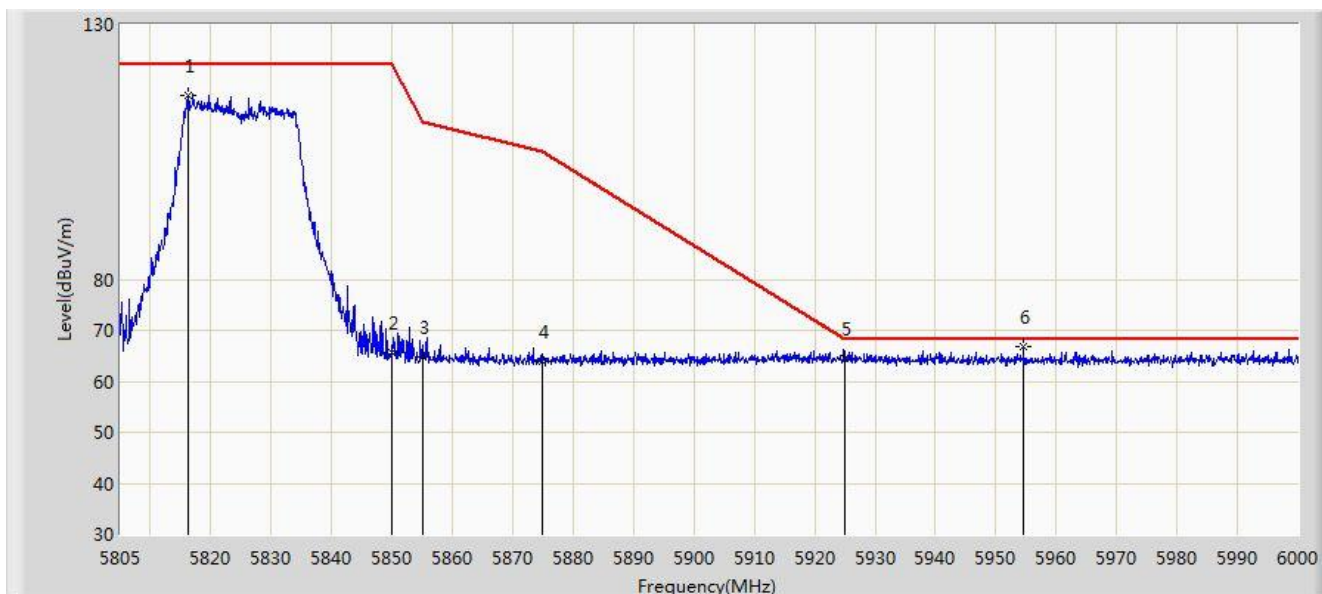


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5609.100	65.822	58.755	-2.378	68.200	7.067	PK
2			5650.000	64.318	57.178	-3.882	68.200	7.140	PK
3			5700.000	65.441	58.226	-39.759	105.200	7.215	PK
4			5712.525	77.099	69.915	-31.610	108.709	7.184	PK
5			5720.000	72.045	64.772	-38.755	110.800	7.273	PK
6			5721.975	83.234	75.938	-32.070	115.304	7.297	PK
7			5725.000	74.638	67.306	-47.562	122.200	7.332	PK
8		*	5737.725	125.342	117.928	N/A	N/A	7.414	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: AC1	Time: 2019/12/11 - 02:33
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5825MHz (Beam-Forming Mode)	

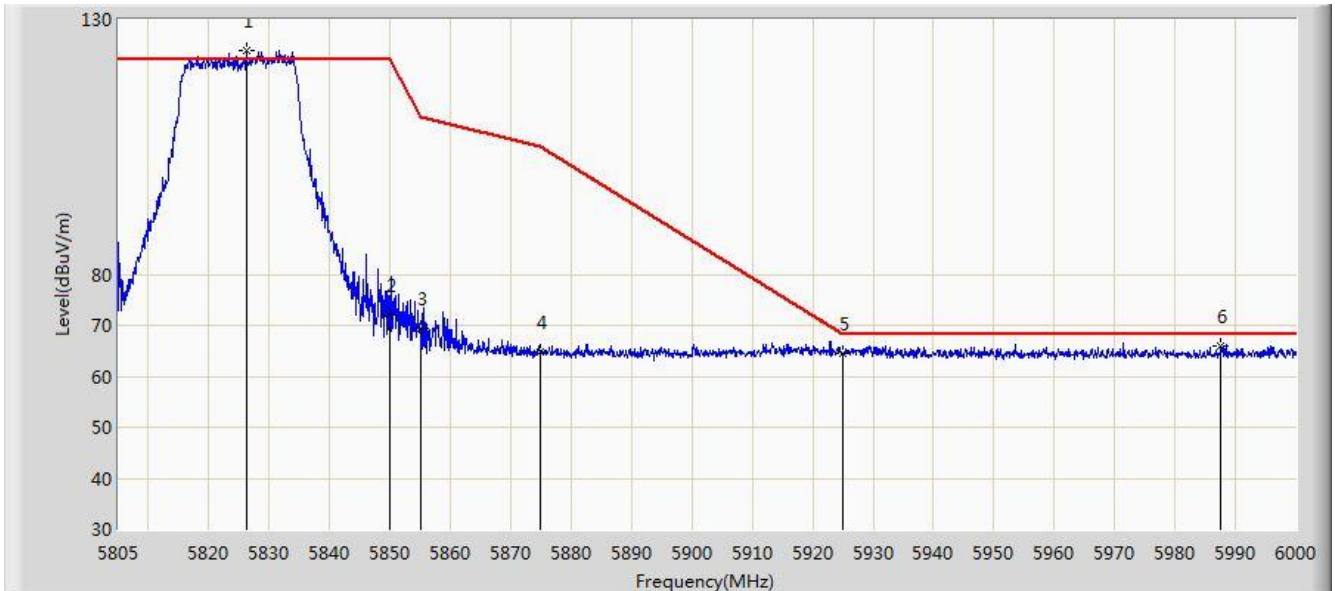


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5816.212	116.221	108.672	N/A	N/A	7.549	PK
2			5850.000	65.706	58.014	-56.494	122.200	7.692	PK
3			5855.000	64.740	57.096	-46.060	110.800	7.644	PK
4			5875.000	63.837	56.235	-41.363	105.200	7.602	PK
5			5925.000	64.476	56.650	-3.724	68.200	7.826	PK
6		*	5954.565	66.689	59.040	-1.511	68.200	7.649	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: AC1	Time: 2019/12/11 - 02:35
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE20 at Channel 5825MHz (Beam-Forming Mode)	

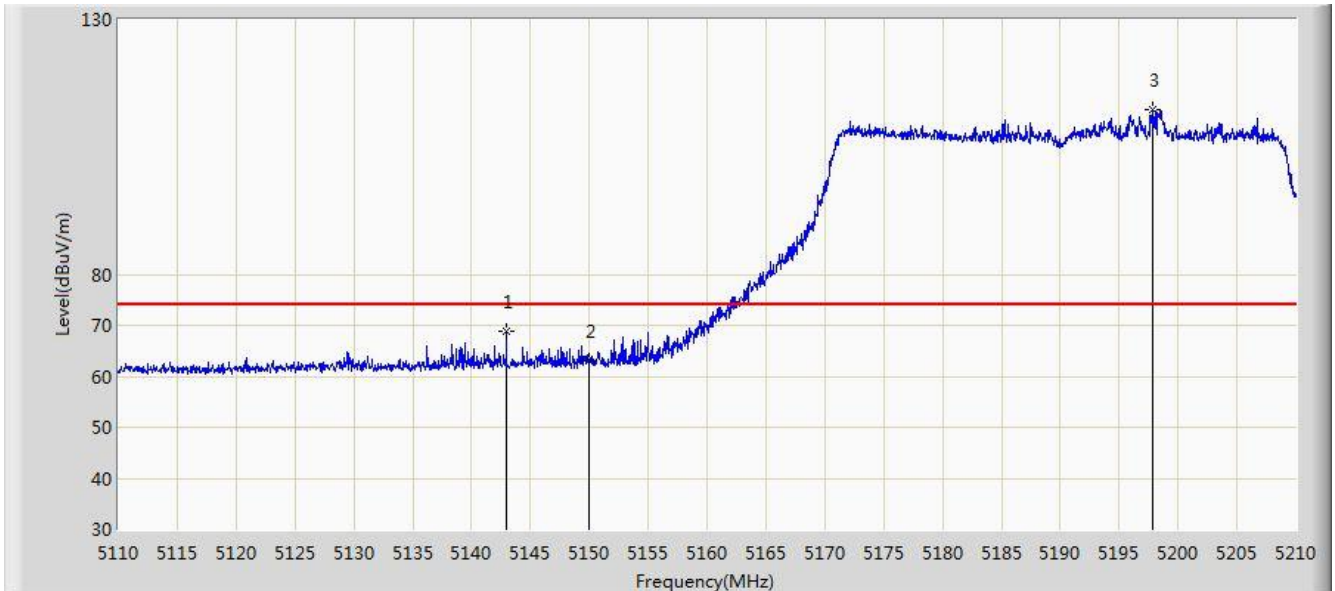


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.158	123.874	116.141	N/A	N/A	7.732	PK
2			5850.000	71.920	64.228	-50.280	122.200	7.692	PK
3			5855.000	69.465	61.821	-41.335	110.800	7.644	PK
4			5875.000	64.760	57.158	-40.440	105.200	7.602	PK
5			5925.000	64.525	56.699	-3.675	68.200	7.826	PK
6			5987.520	65.931	58.135	-2.269	68.200	7.796	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: AC1	Time: 2019/12/14 - 04:01
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5190MHz (Beam-Forming Mode)	

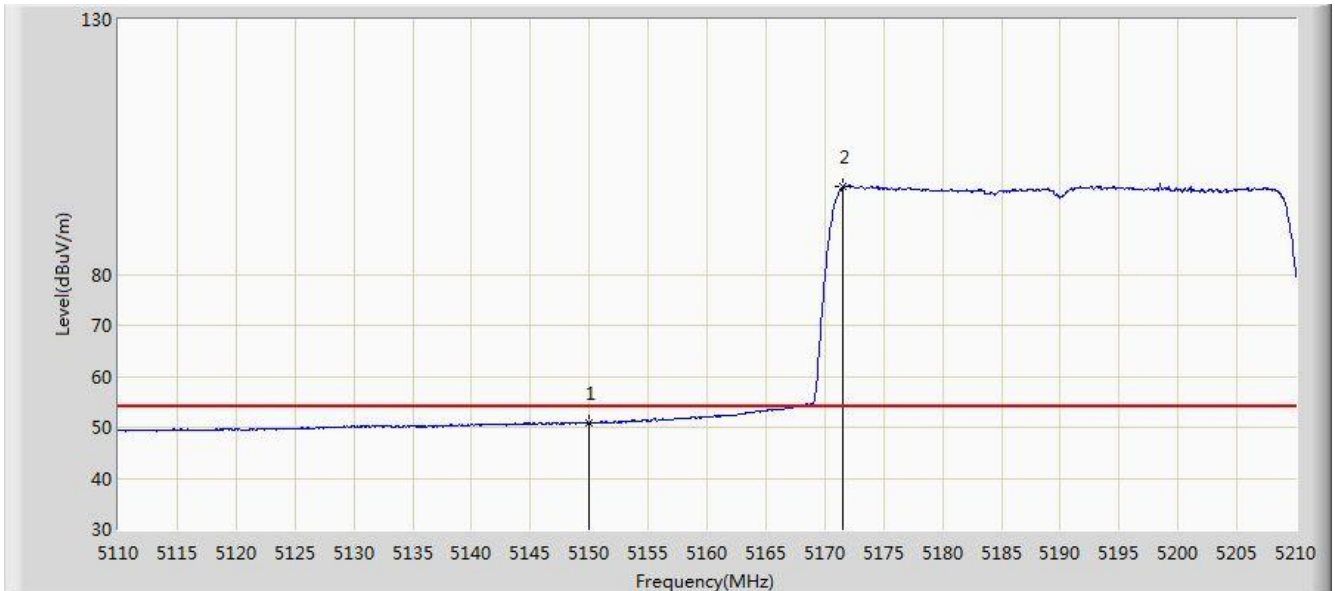


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.950	68.919	62.108	-5.081	74.000	6.812	PK
2			5150.000	63.168	56.369	-10.832	74.000	6.799	PK
3		*	5197.800	112.379	105.834	N/A	N/A	6.545	PK

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

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

Site: AC1	Time: 2019/12/14 - 04:00
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5190MHz (Beam-Forming Mode)	

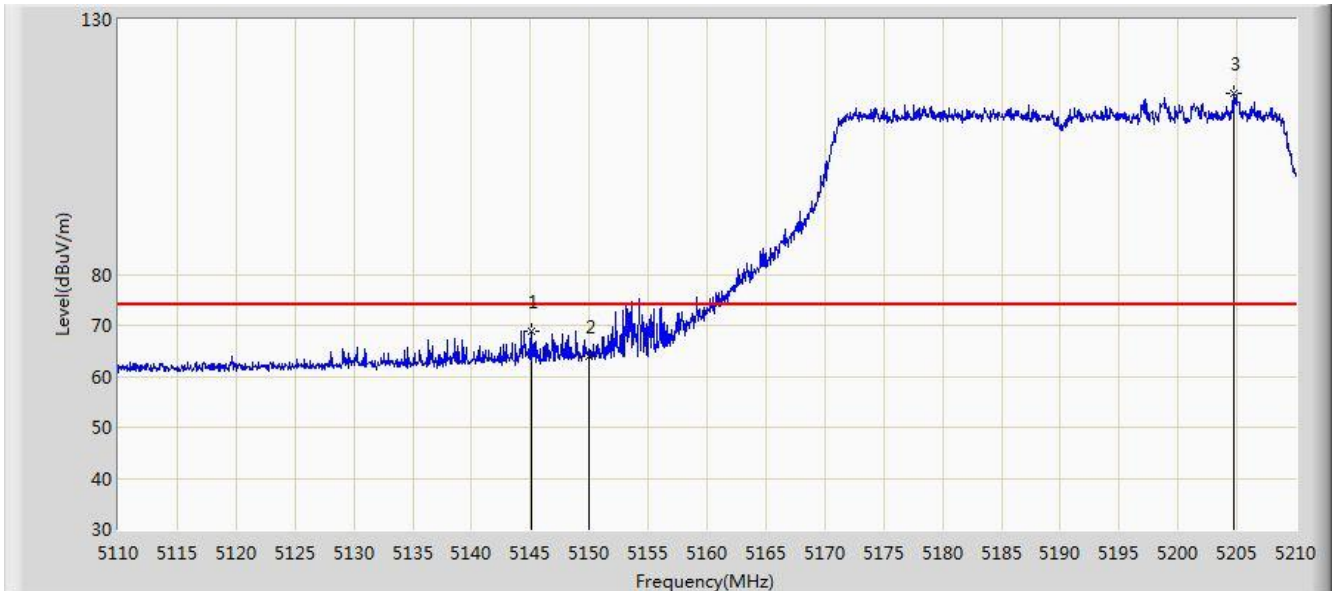


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.753	43.954	-3.247	54.000	6.799	AV
2		*	5171.550	97.243	90.414	N/A	N/A	6.829	AV

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

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

Site: AC1	Time: 2019/12/14 - 03:58
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5190MHz (Beam-Forming Mode)	

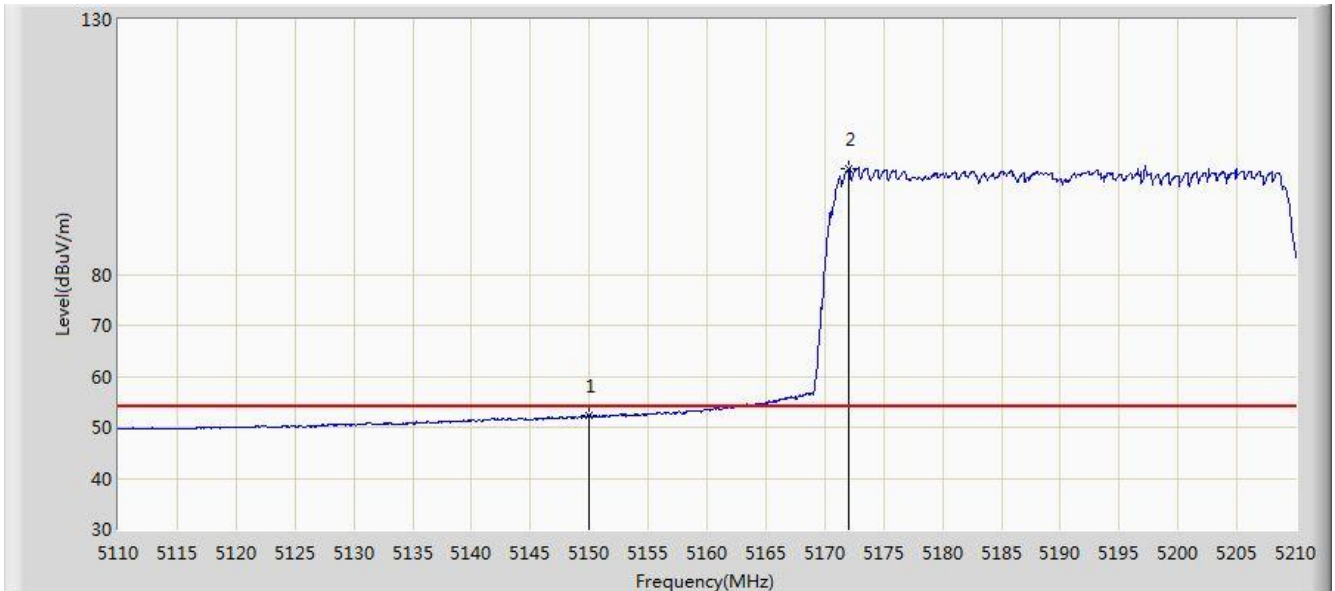


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.150	68.977	62.174	-5.023	74.000	6.802	PK
2			5150.000	63.813	57.014	-10.187	74.000	6.799	PK
3		*	5204.750	115.637	109.133	N/A	N/A	6.504	PK

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

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

Site: AC1	Time: 2019/12/14 - 03:59
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5190MHz (Beam-Forming Mode)	

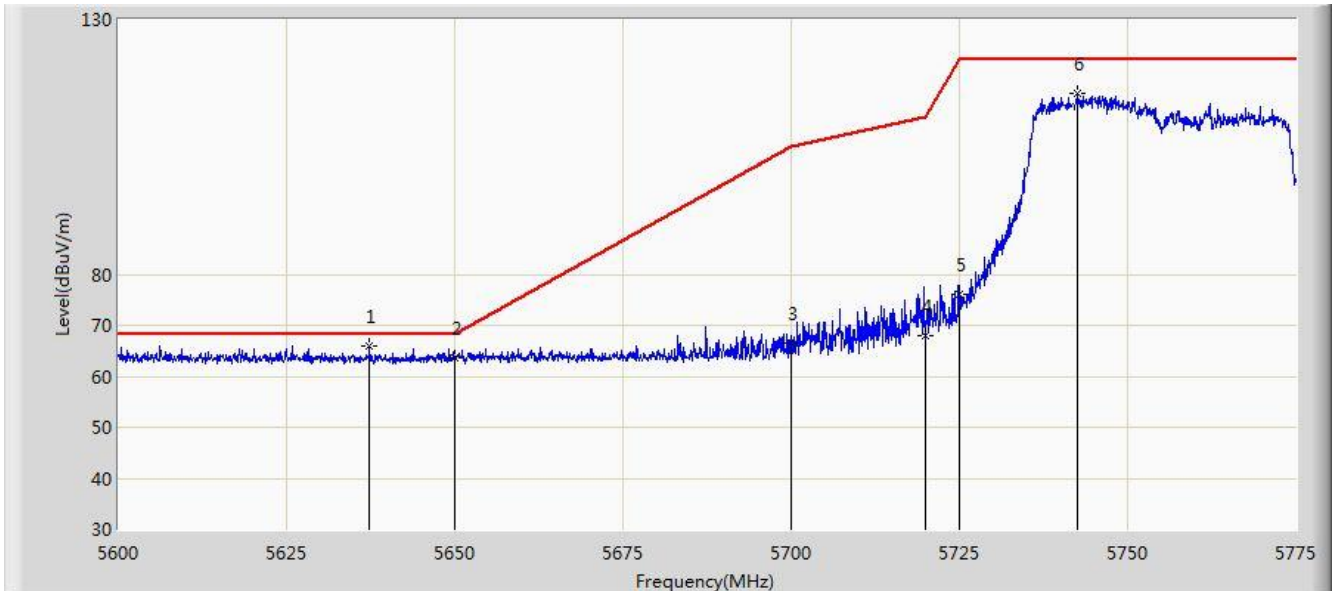


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.203	45.404	-1.797	54.000	6.799	AV
2		*	5172.050	100.717	93.890	N/A	N/A	6.827	AV

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

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

Site: AC1	Time: 2019/12/11 - 03:18
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5755MHz (Beam-Forming Mode)	

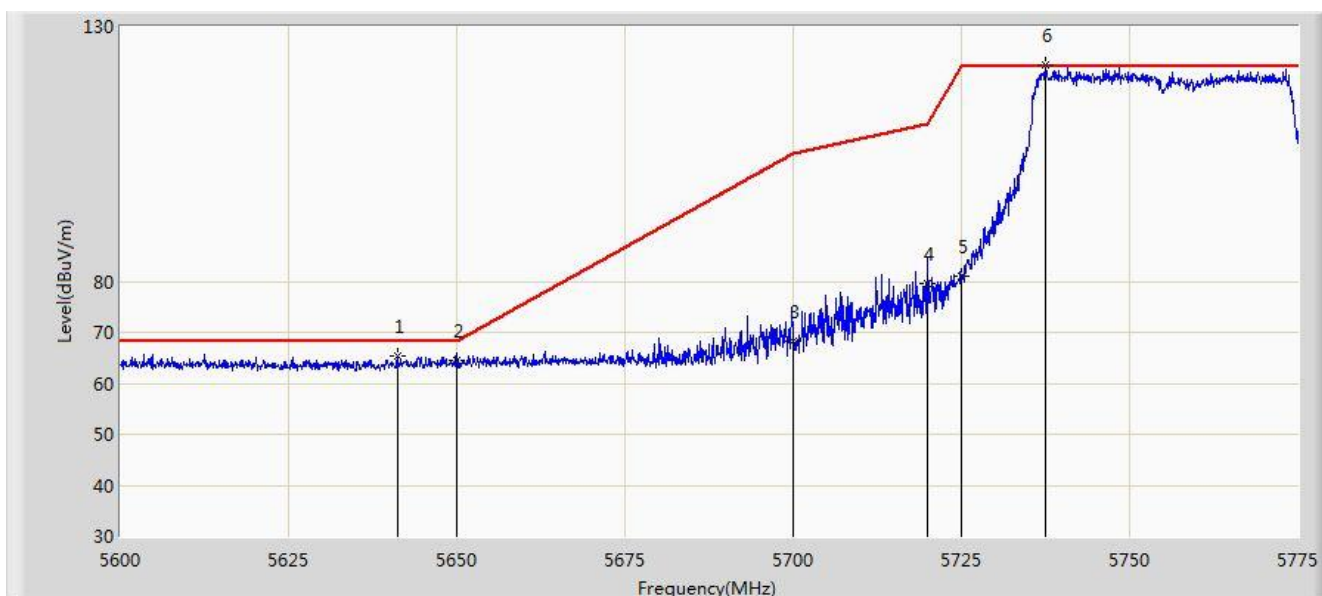


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5637.362	65.874	58.909	-2.326	68.200	6.966	PK
2			5650.000	63.506	56.366	-4.694	68.200	7.140	PK
3			5700.000	66.403	59.188	-38.797	105.200	7.215	PK
4			5720.000	68.038	60.765	-42.762	110.800	7.273	PK
5			5725.000	76.058	68.726	-46.142	122.200	7.332	PK
6			5742.625	115.490	108.047	N/A	N/A	7.442	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: AC1	Time: 2019/12/11 - 03:19
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5755MHz (Beam-Forming Mode)	

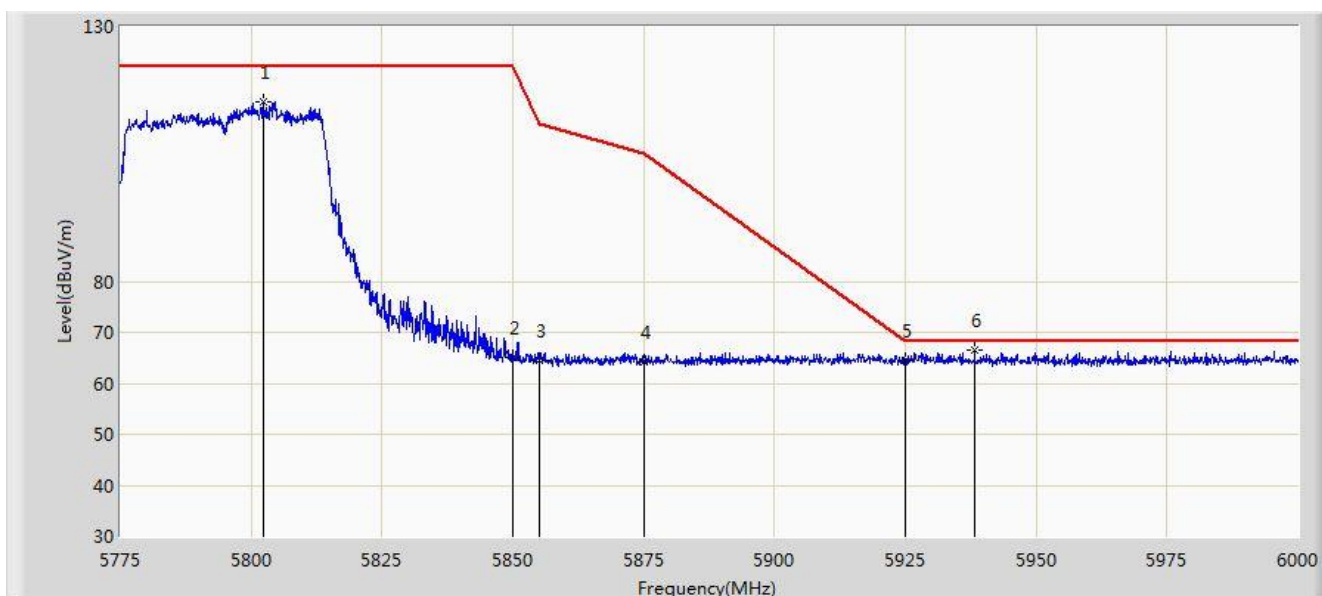


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5641.125	65.368	58.418	-2.832	68.200	6.950	PK
2			5650.000	64.528	57.388	-3.672	68.200	7.140	PK
3			5700.000	68.152	60.937	-37.048	105.200	7.215	PK
4			5720.000	79.537	72.264	-31.263	110.800	7.273	PK
5			5725.000	81.111	73.779	-41.089	122.200	7.332	PK
6		*	5737.550	122.484	115.071	N/A	N/A	7.412	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: AC1	Time: 2019/12/11 - 03:20
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5795MHz (Beam-Forming Mode)	

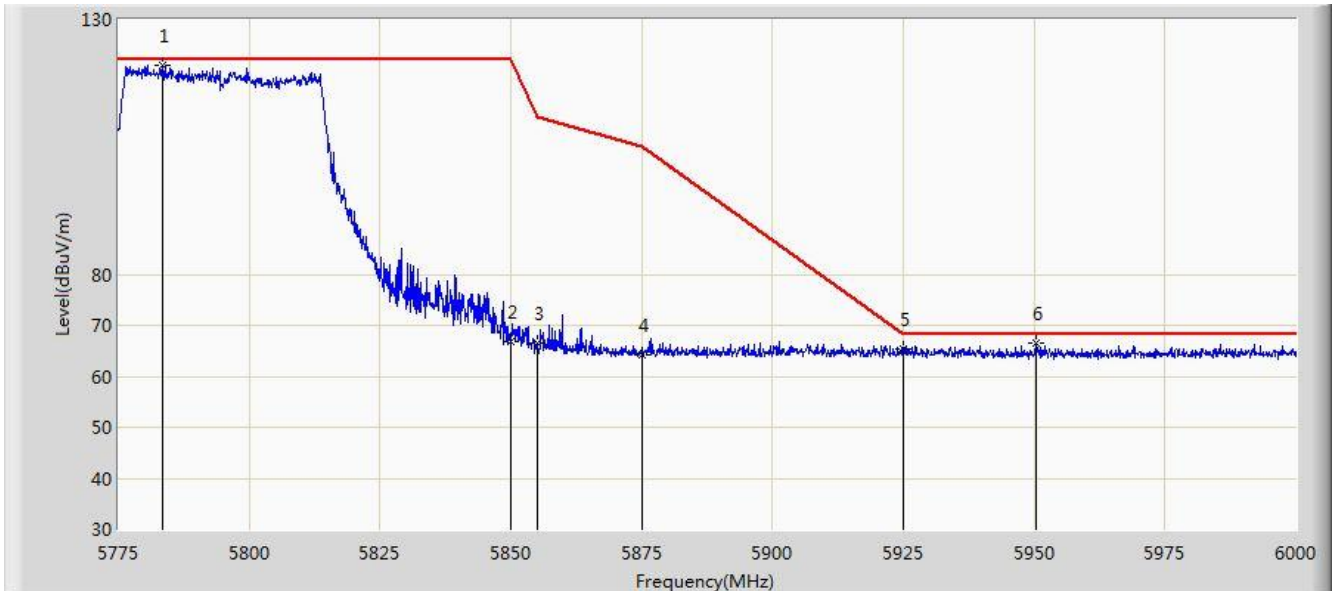


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5802.337	115.232	107.761	N/A	N/A	7.471	PK
2			5850.000	65.191	57.499	-57.009	122.200	7.692	PK
3			5855.000	64.470	56.826	-46.330	110.800	7.644	PK
4			5875.000	64.218	56.616	-40.982	105.200	7.602	PK
5			5925.000	64.637	56.811	-3.563	68.200	7.826	PK
6		*	5938.237	66.502	58.758	-1.698	68.200	7.744	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: AC1	Time: 2019/12/11 - 03:22
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE40 at Channel 5795MHz (Beam-Forming Mode)	

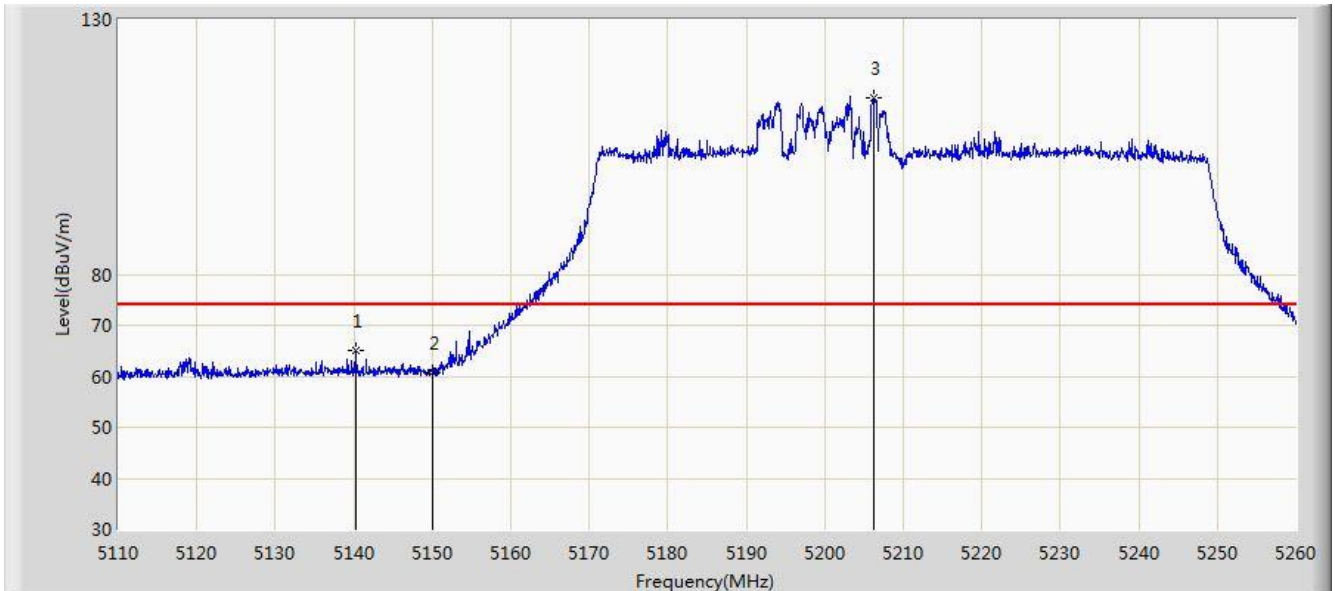


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5783.325	121.034	113.502	N/A	N/A	7.531	PK
2			5850.000	66.951	59.259	-55.249	122.200	7.692	PK
3			5855.000	66.379	58.735	-44.421	110.800	7.644	PK
4			5875.000	64.261	56.659	-40.939	105.200	7.602	PK
5			5925.000	65.249	57.423	-2.951	68.200	7.826	PK
6			5950.275	66.436	58.768	-1.764	68.200	7.667	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: AC1	Time: 2019/12/14 - 02:44
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz (Beam-Forming Mode)	

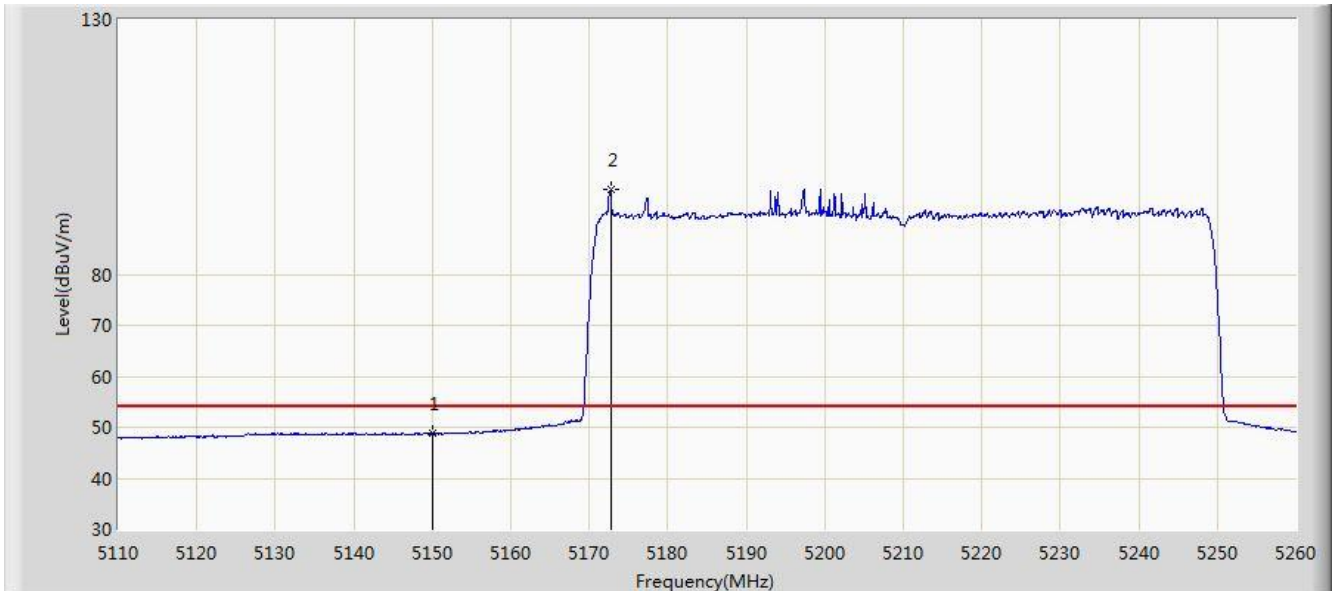


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.225	65.103	58.281	-8.897	74.000	6.822	PK
2			5150.000	60.815	54.016	-13.185	74.000	6.799	PK
3		*	5206.300	114.628	108.130	N/A	N/A	6.498	PK

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

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

Site: AC1	Time: 2019/12/14 - 02:45
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz (Beam-Forming Mode)	

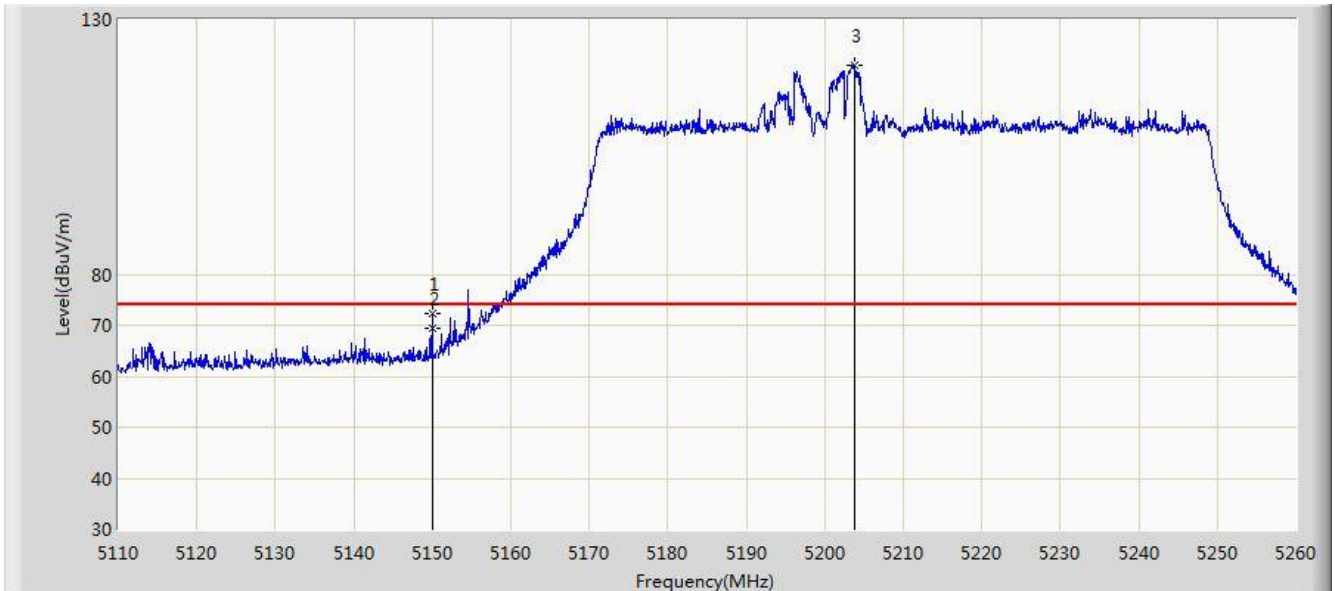


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.824	42.025	-5.176	54.000	6.799	AV
2		*	5172.775	96.782	89.957	N/A	N/A	6.824	AV

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

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

Site: AC1	Time: 2019/12/14 - 02:42
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz (Beam-Forming Mode)	

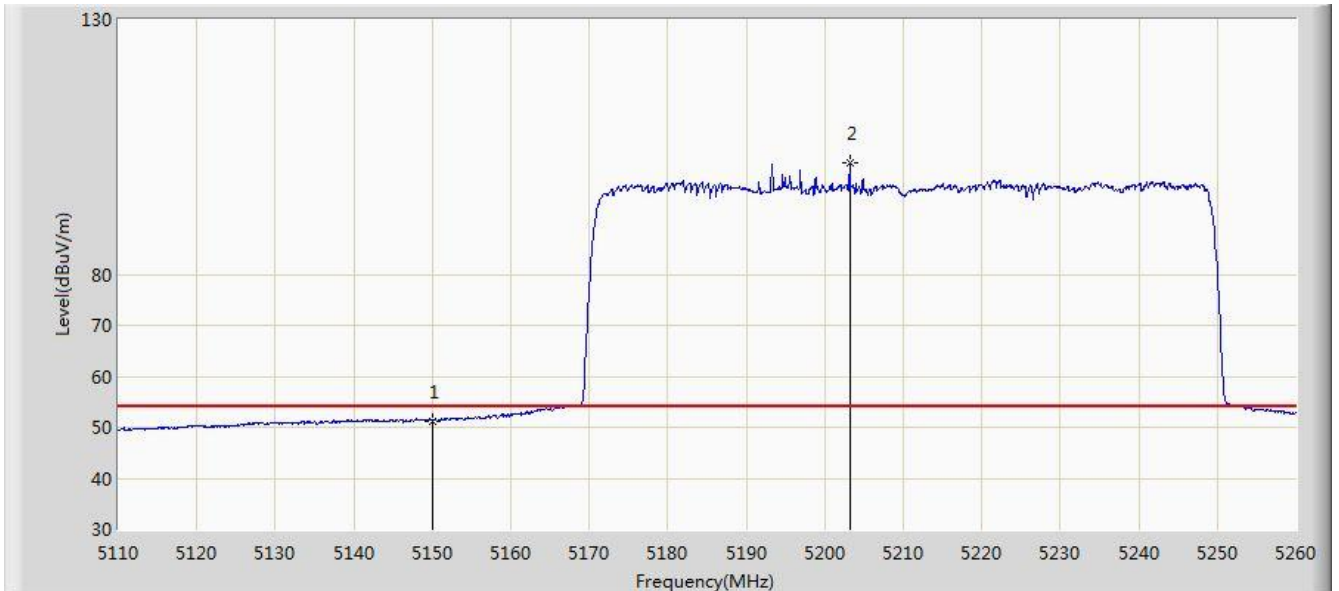


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.975	72.205	65.406	-1.795	74.000	6.799	PK
2			5150.000	69.355	62.556	-4.645	74.000	6.799	PK
3		*	5203.825	120.910	114.403	N/A	N/A	6.508	PK

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

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

Site: AC1	Time: 2019/12/14 - 02:43
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5210MHz (Beam-Forming Mode)	

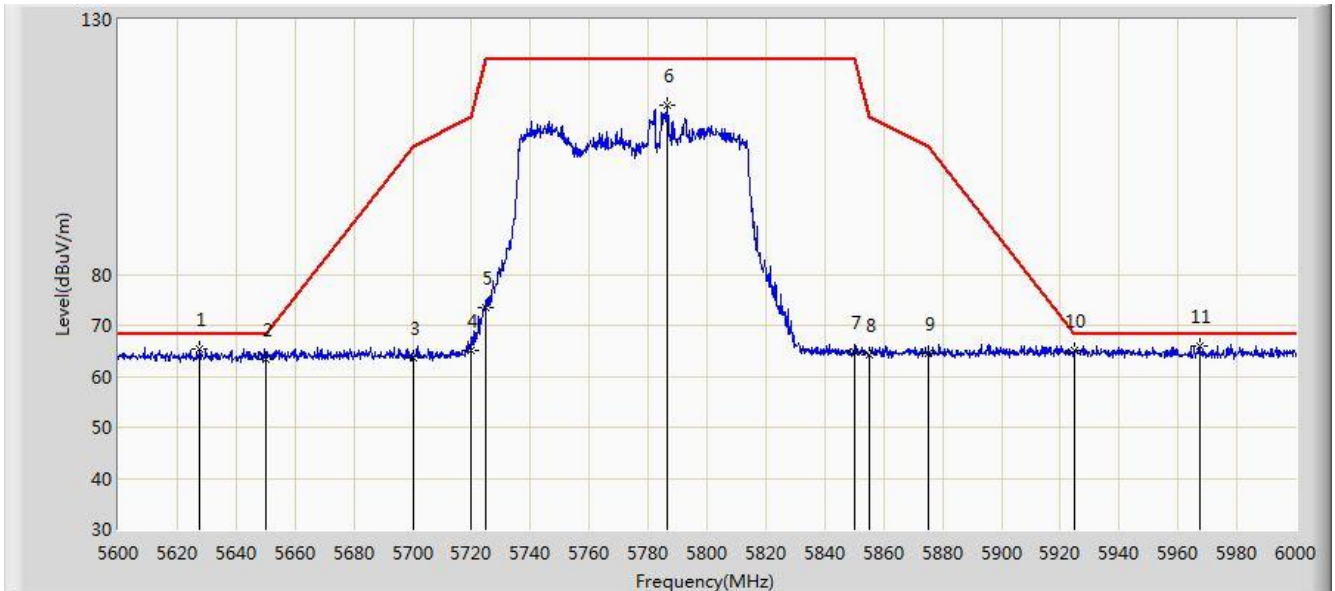


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.268	44.469	-2.732	54.000	6.799	AV
2		*	5203.225	101.948	95.438	N/A	N/A	6.509	AV

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

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

Site: AC1	Time: 2019/12/11 - 03:44
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5775MHz (Beam-Forming Mode)	

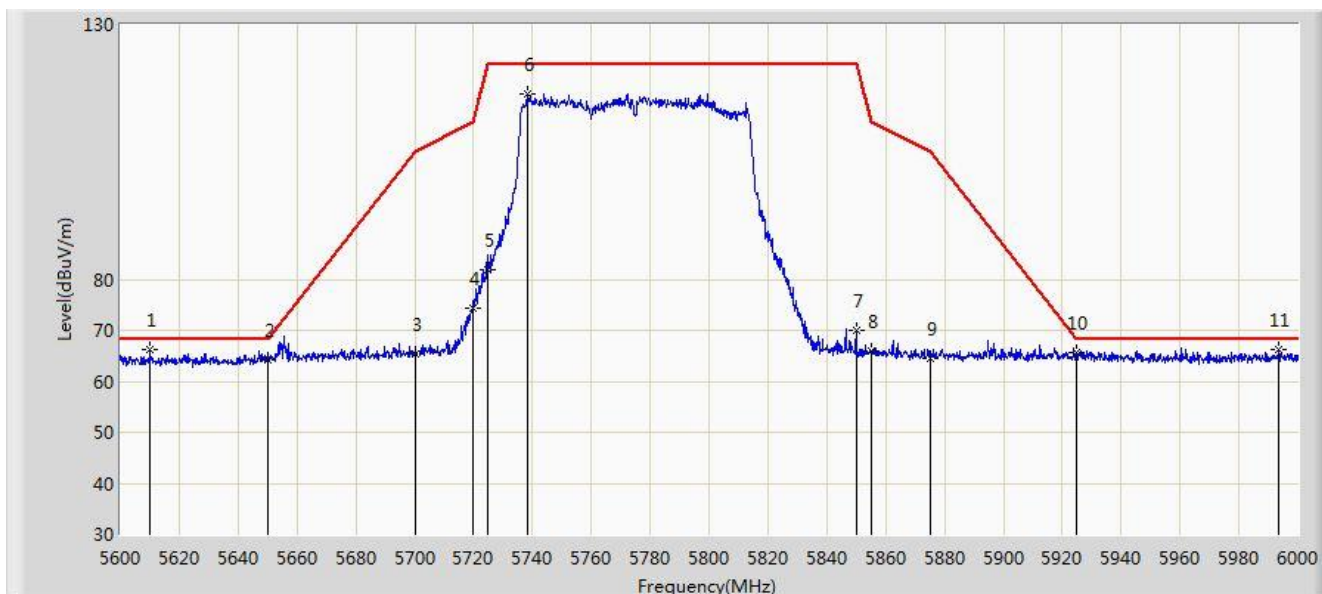


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5627.800	65.270	58.257	-2.930	68.200	7.013	PK
2			5650.000	63.350	56.210	-4.850	68.200	7.140	PK
3			5700.000	63.703	56.488	-41.497	105.200	7.215	PK
4			5720.000	65.103	57.830	-45.697	110.800	7.273	PK
5			5725.000	73.402	66.070	-48.798	122.200	7.332	PK
6			5786.600	113.068	105.550	N/A	N/A	7.518	PK
7			5850.000	64.698	57.006	-57.502	122.200	7.692	PK
8			5855.000	64.084	56.440	-46.716	110.800	7.644	PK
9			5875.000	64.592	56.990	-40.608	105.200	7.602	PK
10			5925.000	65.048	57.222	-3.152	68.200	7.826	PK
11		*	5967.200	66.017	58.387	-2.183	68.200	7.630	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: AC1	Time: 2019/12/11 - 03:46
Limit: FCC_Part15.407_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: GigaSpire	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ax-HE80 at Channel 5775MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5610.000	66.196	59.131	-2.004	68.200	7.065	PK
2			5650.000	64.103	56.963	-4.097	68.200	7.140	PK
3			5700.000	65.345	58.130	-39.855	105.200	7.215	PK
4			5720.000	74.400	67.127	-36.400	110.800	7.273	PK
5			5725.000	81.885	74.553	-40.315	122.200	7.332	PK
6			5738.200	116.317	108.900	N/A	N/A	7.416	PK
7			5850.000	69.889	62.197	-52.311	122.200	7.692	PK
8			5855.000	65.960	58.316	-44.840	110.800	7.644	PK
9			5875.000	64.499	56.897	-40.701	105.200	7.602	PK
10			5925.000	65.654	57.828	-2.546	68.200	7.826	PK
11		*	5993.600	66.278	58.411	-1.922	68.200	7.866	PK

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

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

7.10. AC Conducted Emissions Measurement

7.10.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (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.

7.10.2. Test Setup

