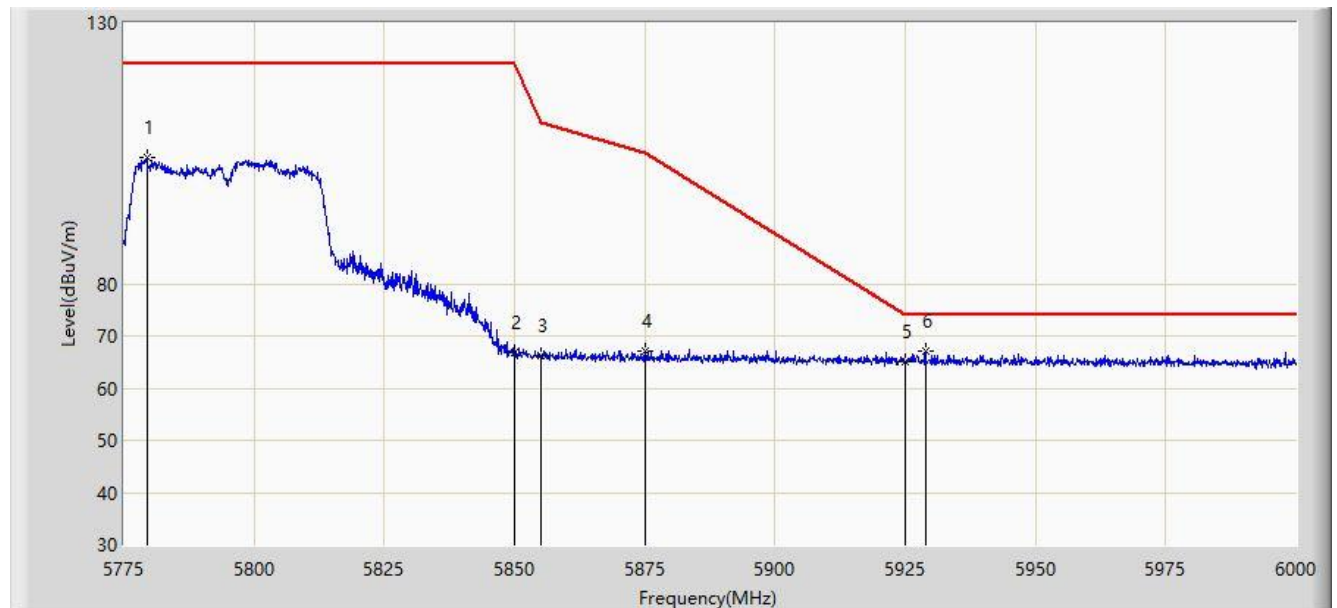


Site: AC1	Time: 2017/05/07 - 16:55
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz, Chain 0 + 1 + 2	

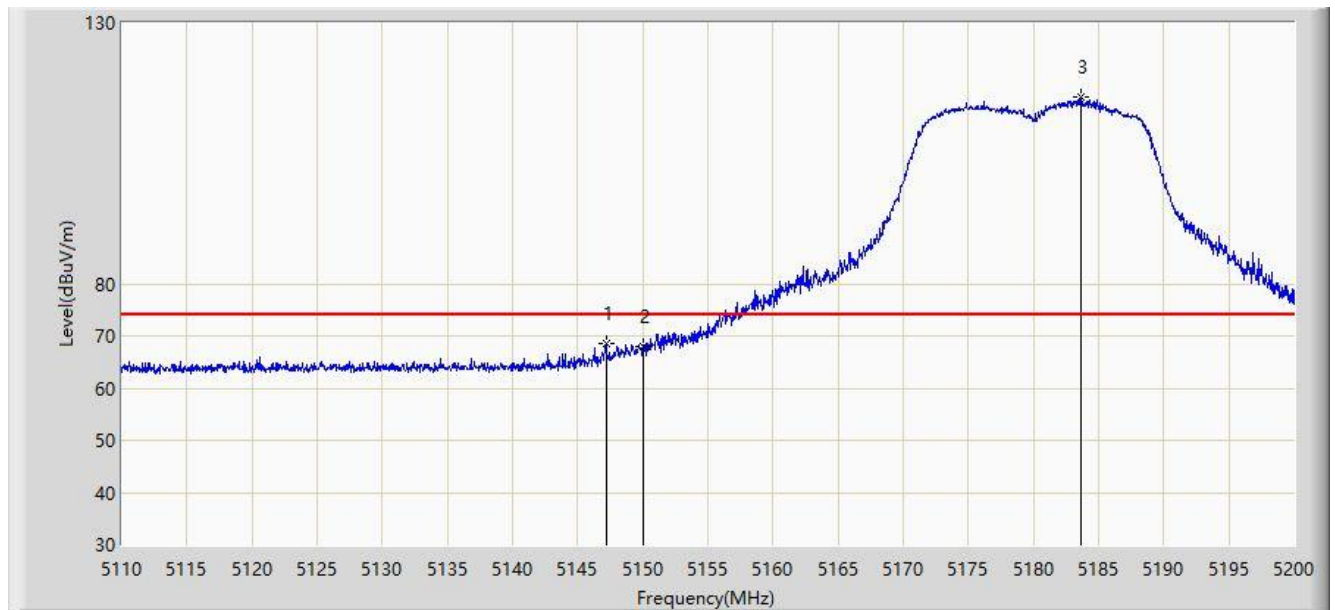


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5779.500	104.146	65.954	N/A	N/A	38.192	PK
2			5850.000	66.899	28.446	-55.301	122.200	38.454	PK
3			5855.000	66.096	27.631	-44.704	110.800	38.465	PK
4			5875.000	67.045	28.548	-38.155	105.200	38.497	PK
5			5925.000	65.081	26.548	-8.919	74.000	38.533	PK
6		*	5928.900	66.980	28.446	-7.020	74.000	38.534	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz, Chain 0 + 1 + 2	

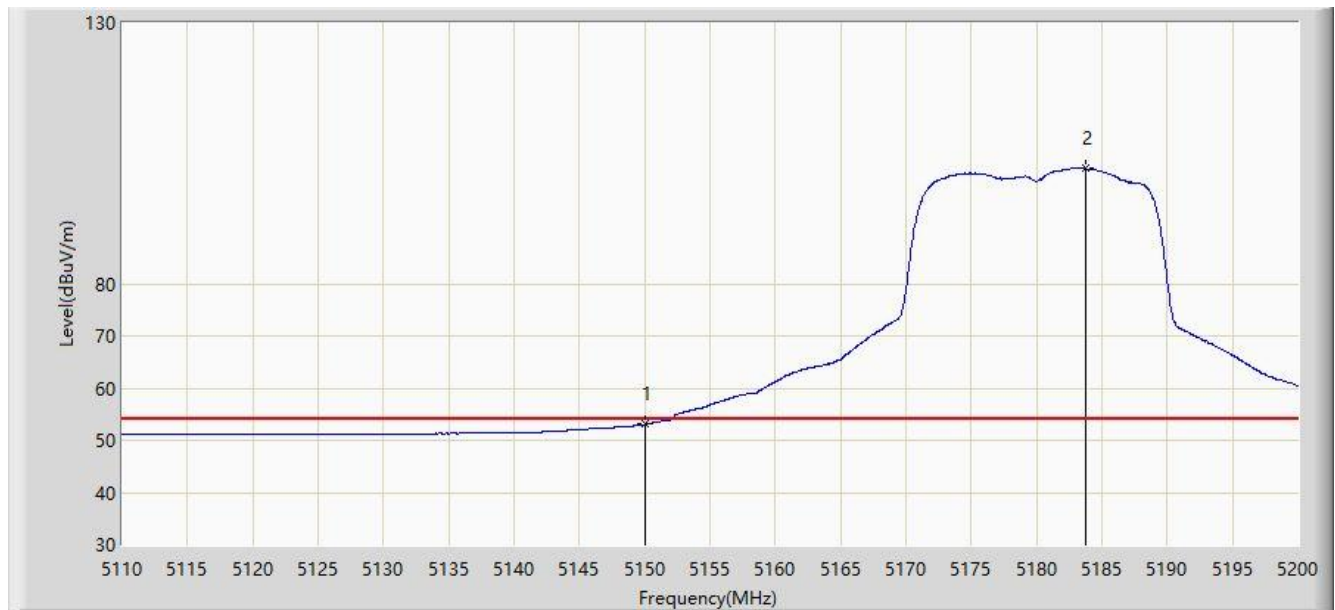


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.215	68.647	31.191	-5.353	74.000	37.456	PK
2			5150.000	68.041	30.589	-5.959	74.000	37.452	PK
3		*	5183.665	115.695	78.330	N/A	N/A	37.364	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz, Chain 0 + 1 + 2	

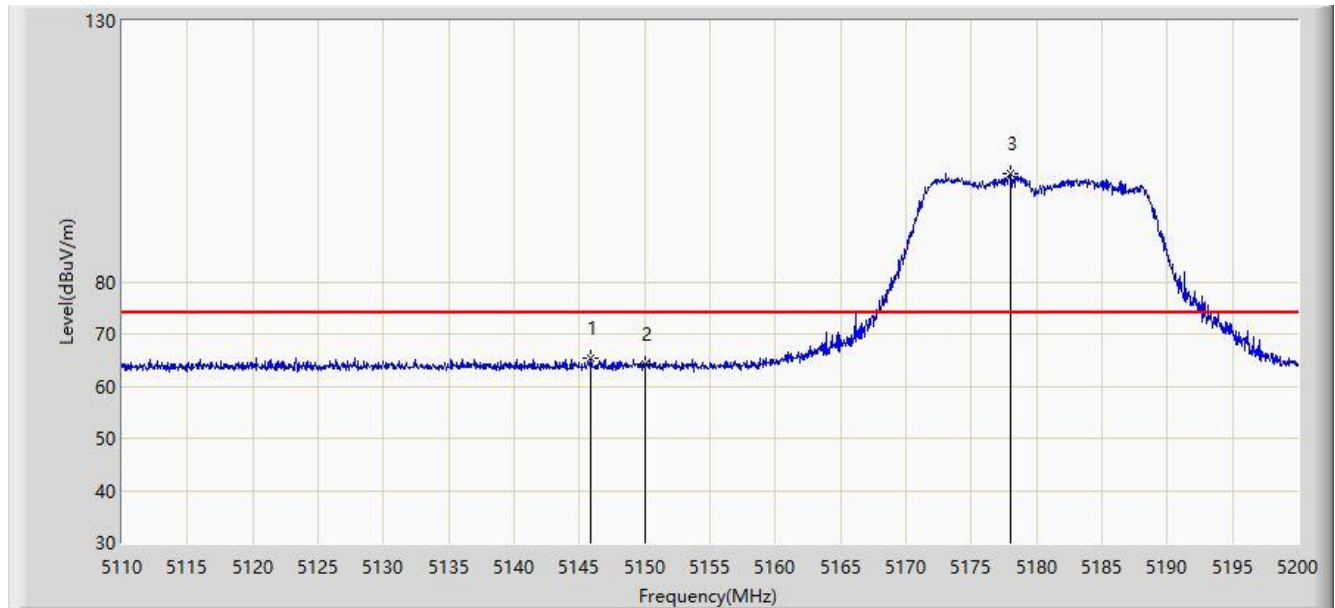


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.071	15.619	-0.929	54.000	37.452	AV
2		*	5183.800	102.192	64.827	N/A	N/A	37.365	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz, Chain 0 + 1 + 2	

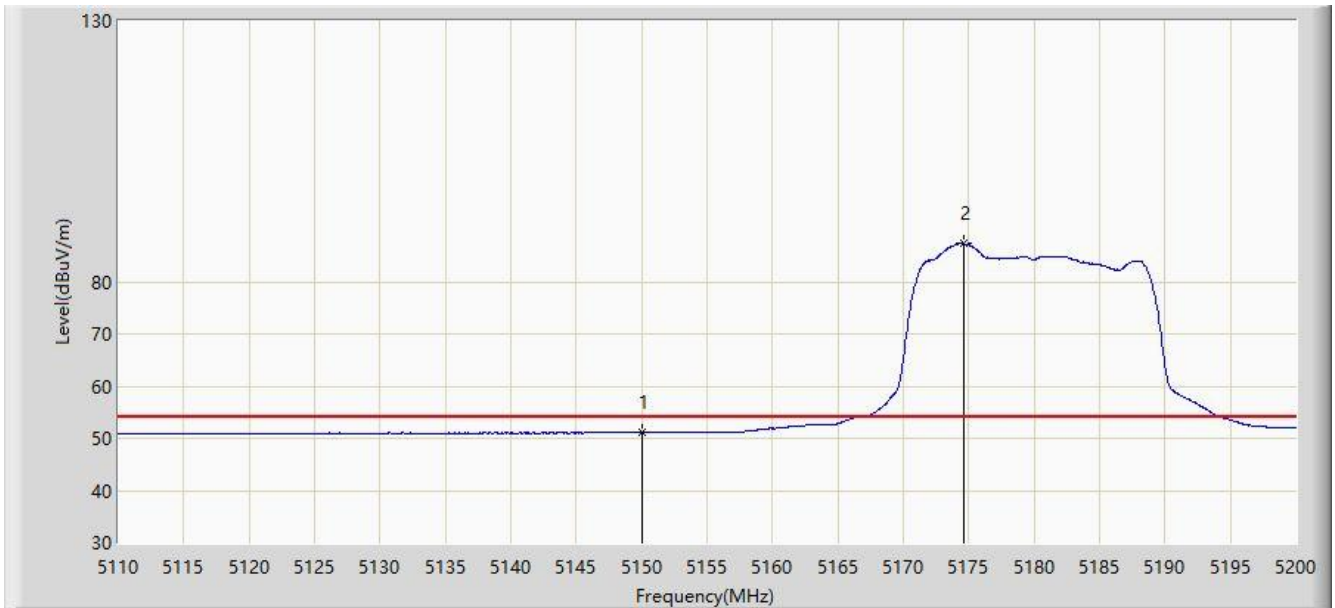


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.910	65.434	27.976	-8.566	74.000	37.458	PK
2			5150.000	64.122	26.670	-9.878	74.000	37.452	PK
3		*	5177.995	100.779	63.401	N/A	N/A	37.378	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz, Chain 0 + 1 + 2	

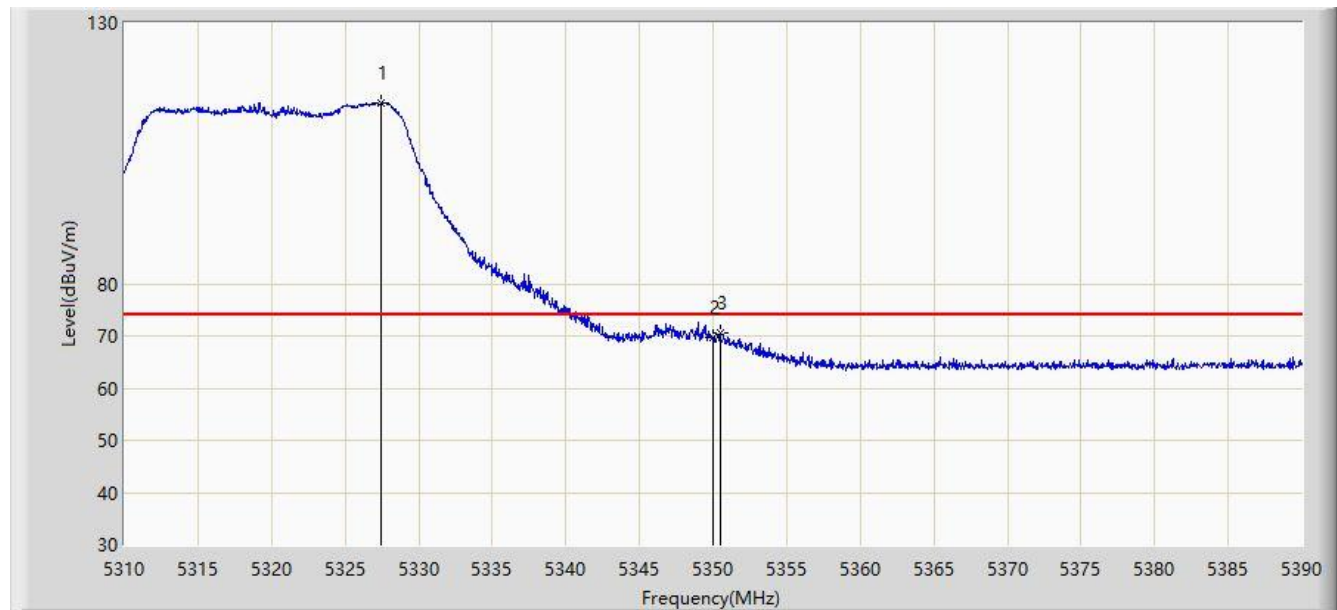


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.052	13.600	-2.948	54.000	37.452	AV
2		*	5174.620	87.343	49.957	N/A	N/A	37.386	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz, Chain 0 + 1 + 2	

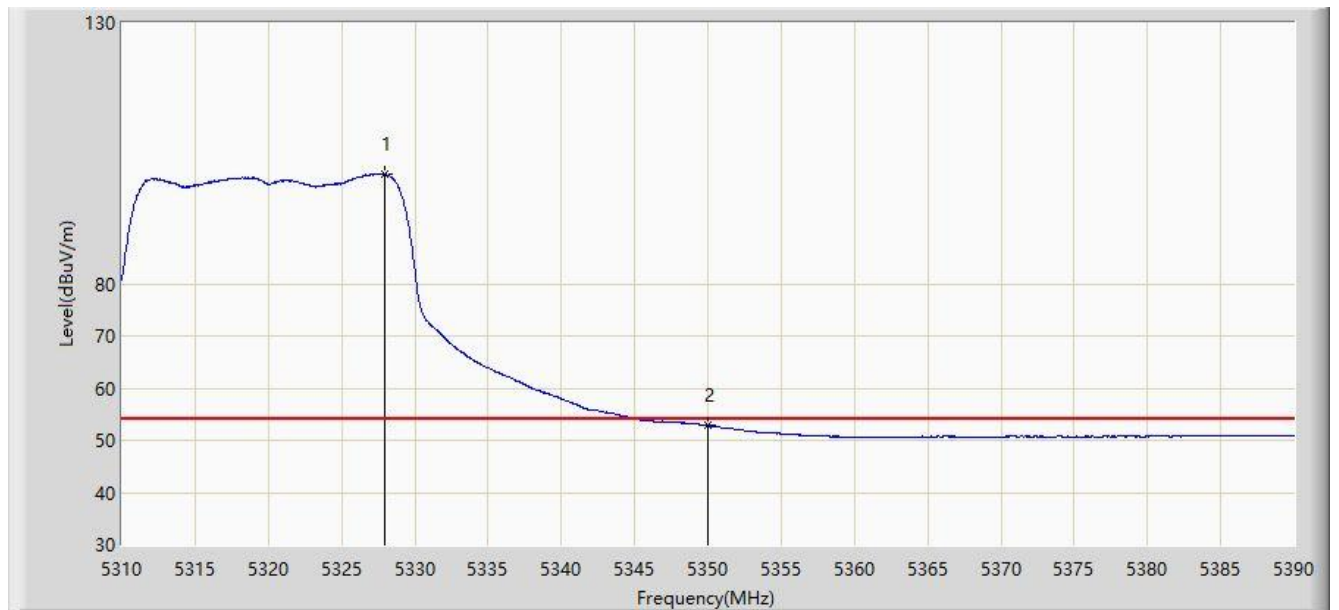


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5327.400	114.608	77.381	N/A	N/A	37.226	PK
2			5350.000	69.659	32.373	-4.341	74.000	37.286	PK
3			5350.480	70.559	33.271	-3.441	74.000	37.288	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz, Chain 0 + 1 + 2	

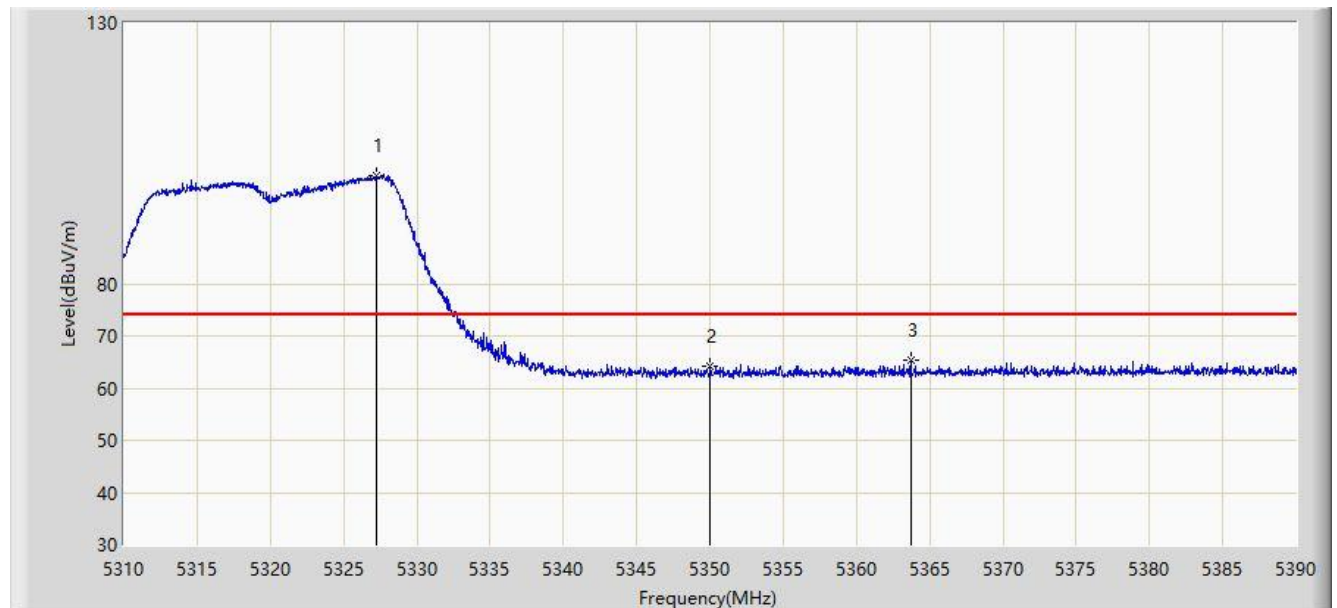


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5327.960	101.022	63.794	N/A	N/A	37.227	AV
2			5350.000	52.823	15.537	-1.177	54.000	37.286	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz, Chain 0 + 1 + 2	

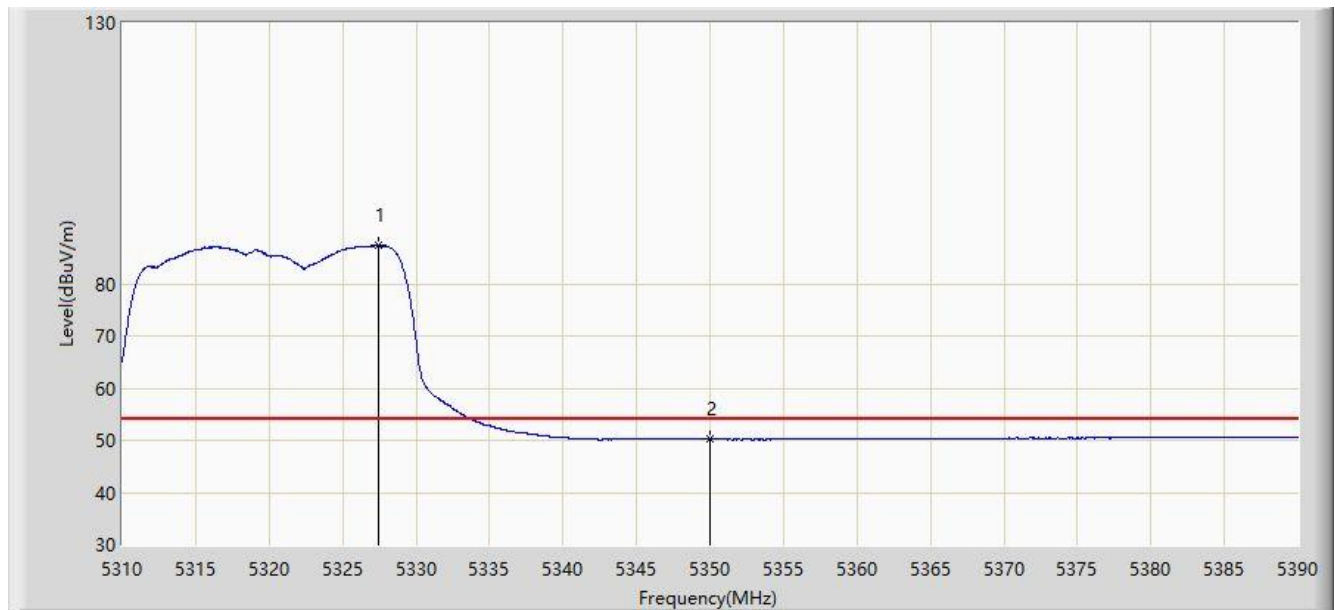


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5327.280	100.838	63.612	N/A	N/A	37.226	PK
2			5350.000	64.278	26.992	-9.722	74.000	37.286	PK
3			5363.720	65.248	27.924	-8.752	74.000	37.324	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz, Chain 0 + 1 + 2	

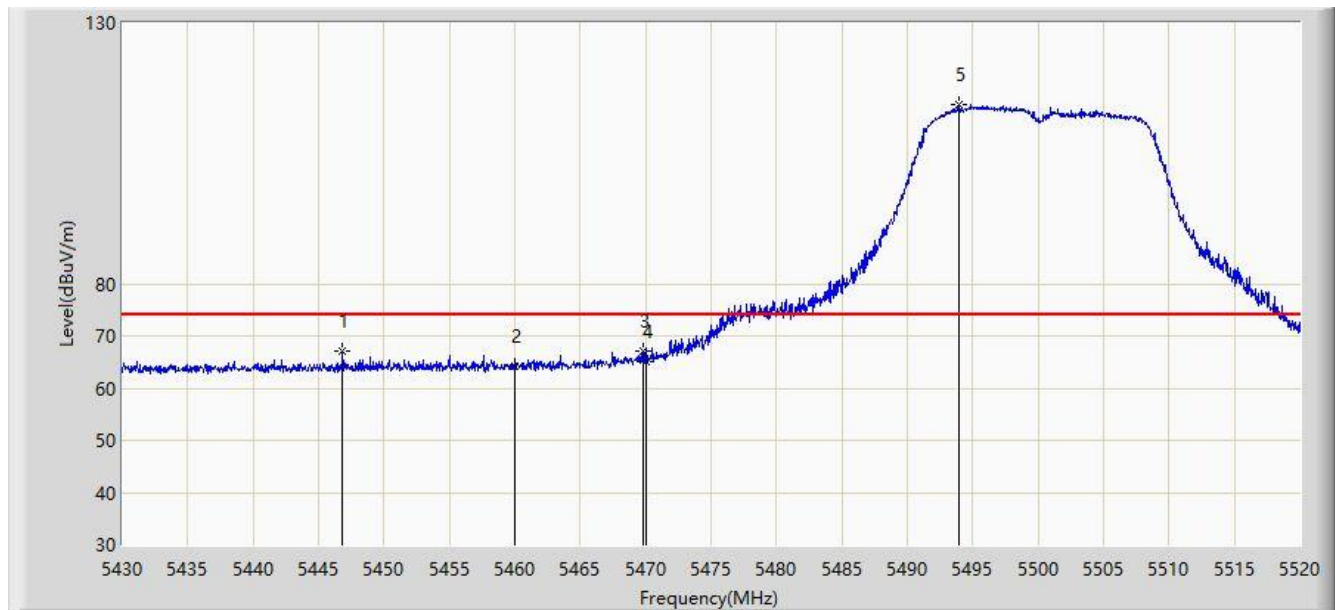


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5327.400	87.325	50.098	N/A	N/A	37.226	AV
2			5350.000	50.198	12.912	-3.802	54.000	37.286	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz, Chain 0 + 1 + 2	

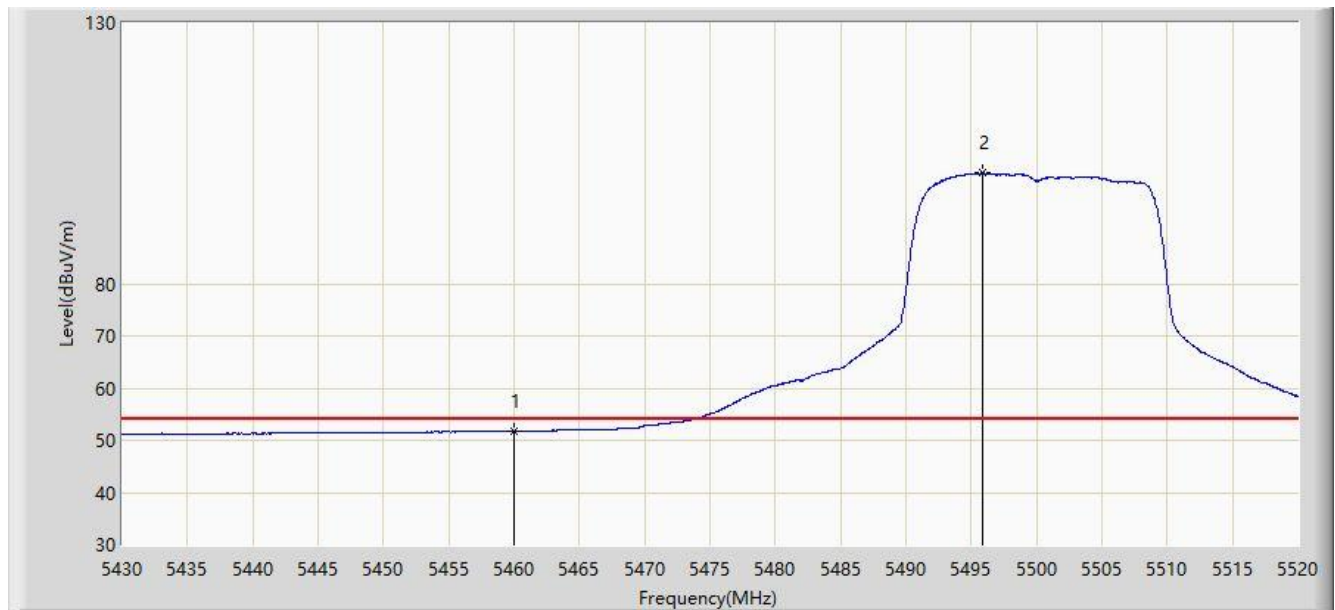


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5446.830	66.993	29.457	-7.007	74.000	37.537	PK
2			5460.000	64.306	26.743	-9.694	74.000	37.563	PK
3			5469.780	67.117	29.529	-6.883	74.000	37.588	PK
4			5470.000	65.002	27.413	-8.998	74.000	37.588	PK
5		*	5493.900	114.366	76.748	N/A	N/A	37.617	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz, Chain 0 + 1 + 2	

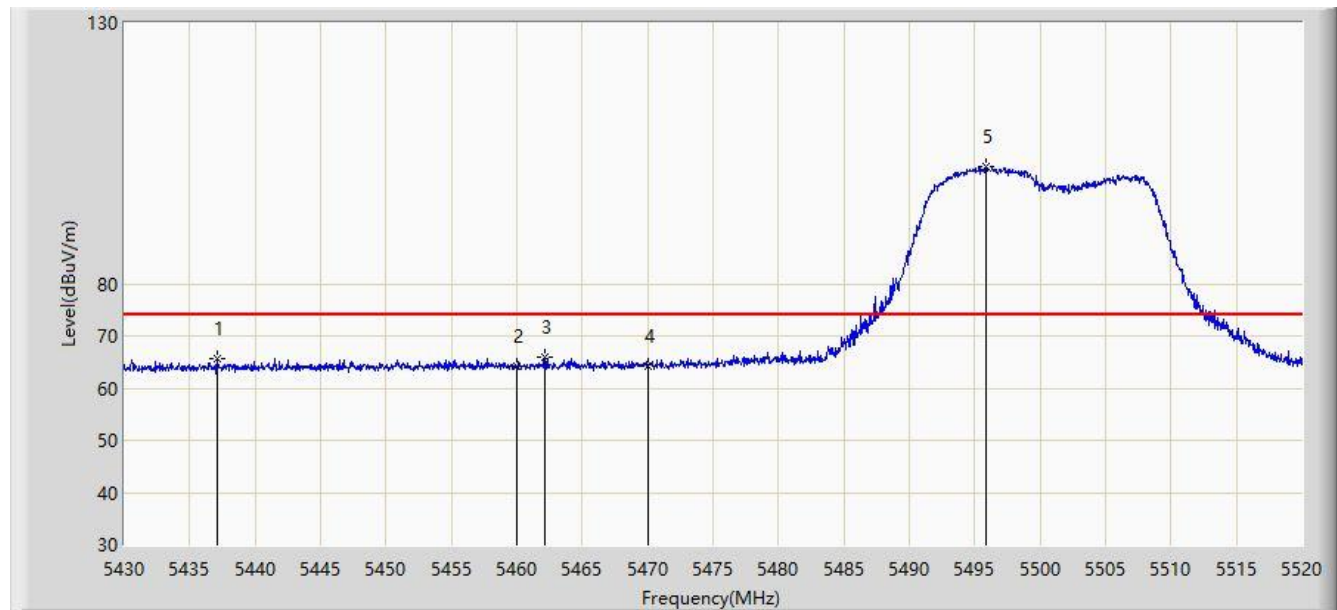


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.697	14.134	-2.303	54.000	37.563	AV
2		*	5495.880	101.181	63.561	N/A	N/A	37.619	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 17:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz, Chain 0 + 1 + 2	

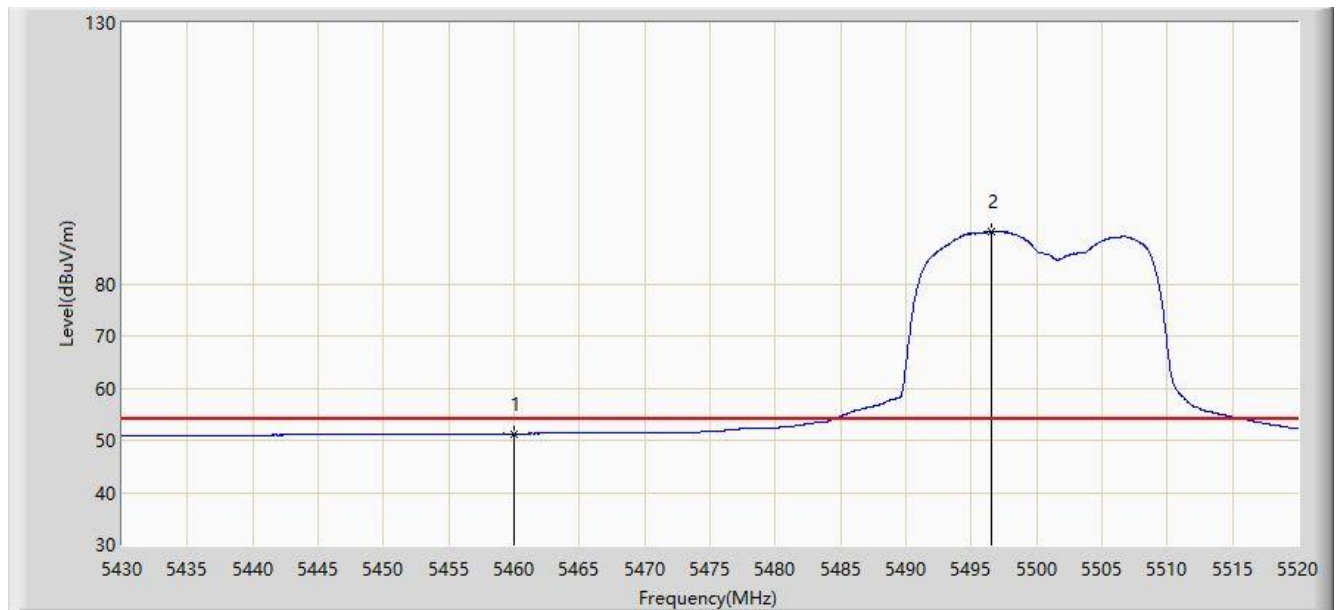


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5437.065	65.602	28.079	-8.398	74.000	37.523	PK
2			5460.000	64.113	26.550	-9.887	74.000	37.563	PK
3			5462.175	66.081	28.513	-7.919	74.000	37.568	PK
4			5470.000	64.321	26.732	-9.679	74.000	37.588	PK
5		*	5495.835	102.322	64.702	N/A	N/A	37.619	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 18:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz, Chain 0 + 1 + 2	

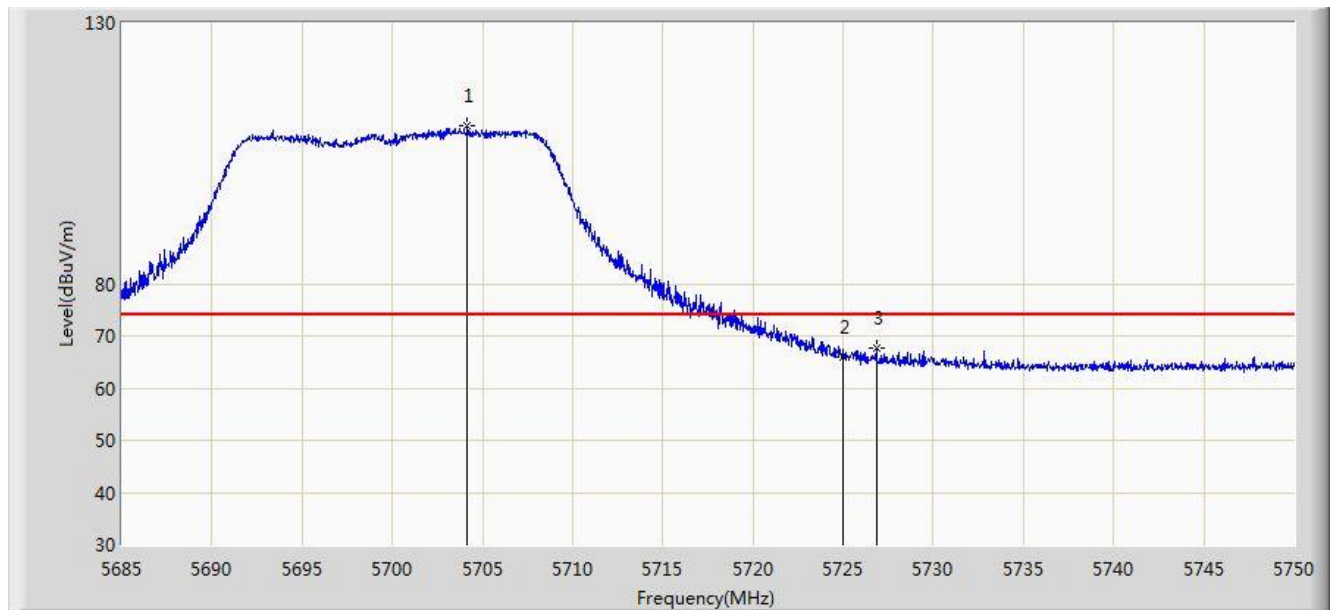


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.275	13.712	-2.725	54.000	37.563	AV
2		*	5496.510	90.123	52.502	N/A	N/A	37.621	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/15 - 20:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz, Chain 0 + 1 + 2	

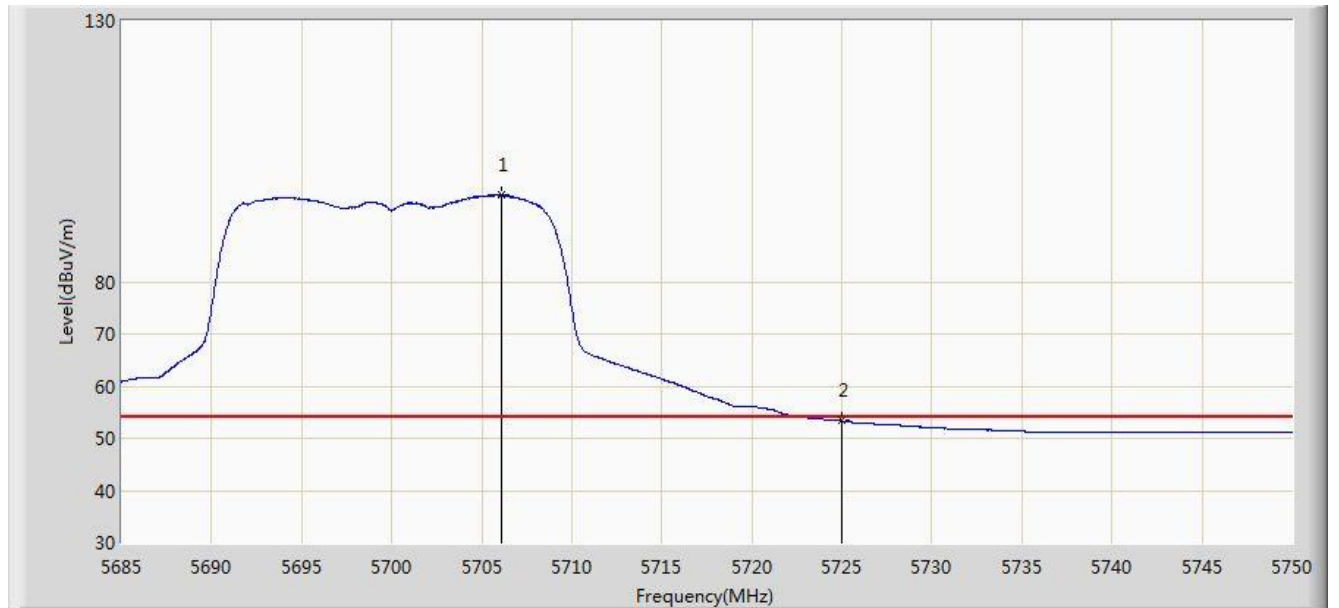


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5704.175	110.348	72.443	N/A	N/A	37.905	PK
2			5725.000	65.883	27.893	-8.117	74.000	37.990	PK
3			5726.828	67.557	29.560	-6.443	74.000	37.997	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/15 - 20:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz, Chain 0 + 1 + 2	

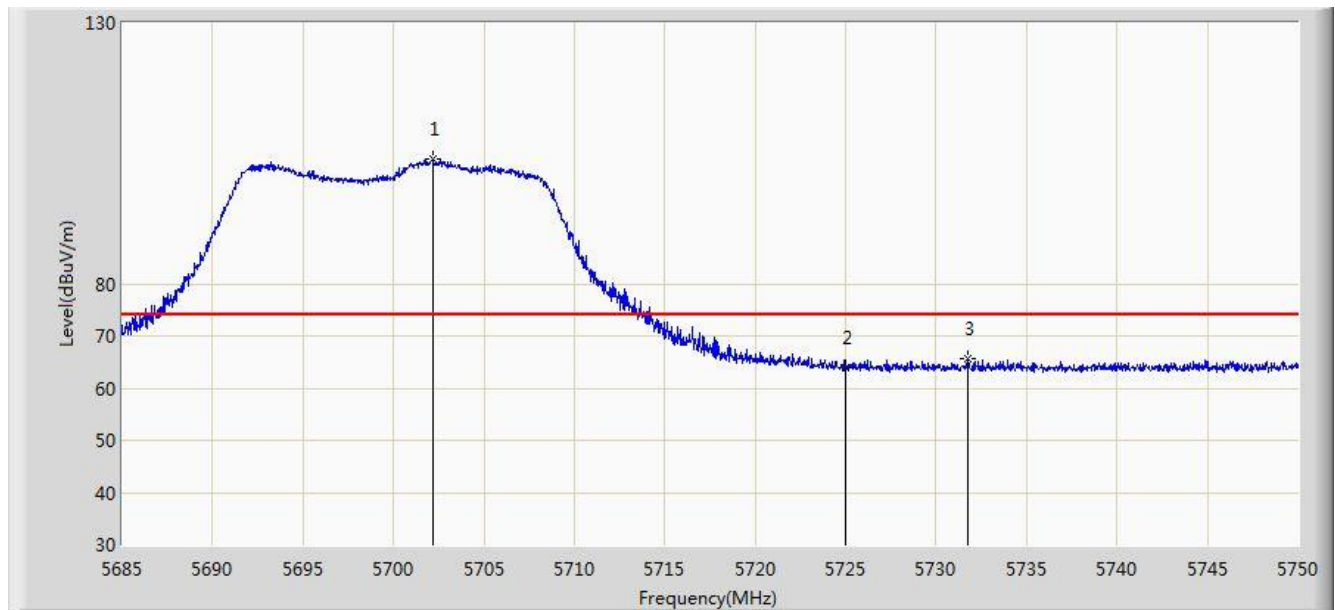


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5706.092	96.699	58.786	N/A	N/A	37.913	AV
2			5725.000	53.358	15.368	-0.642	54.000	37.990	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/15 - 20:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz, Chain 0 + 1 + 2	

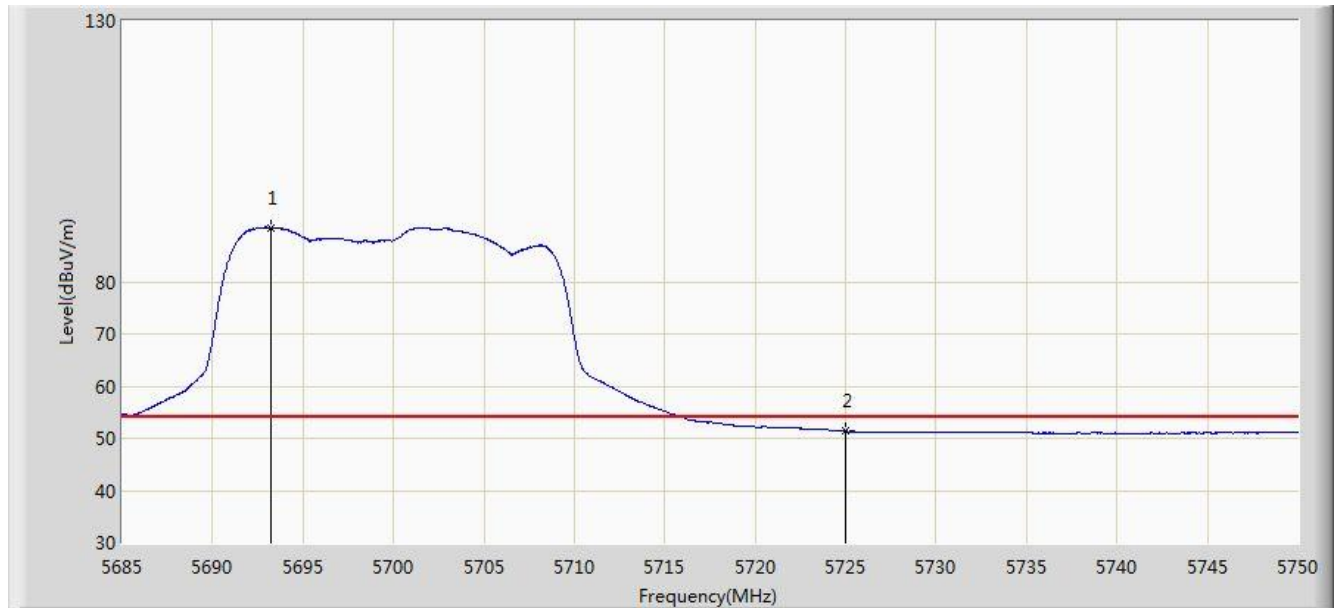


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5702.160	103.777	65.880	N/A	N/A	37.898	PK
2			5725.000	63.921	25.931	-10.079	74.000	37.990	PK
3			5731.735	65.562	27.545	-8.438	74.000	38.018	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/15 - 20:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz, Chain 0 + 1 + 2	

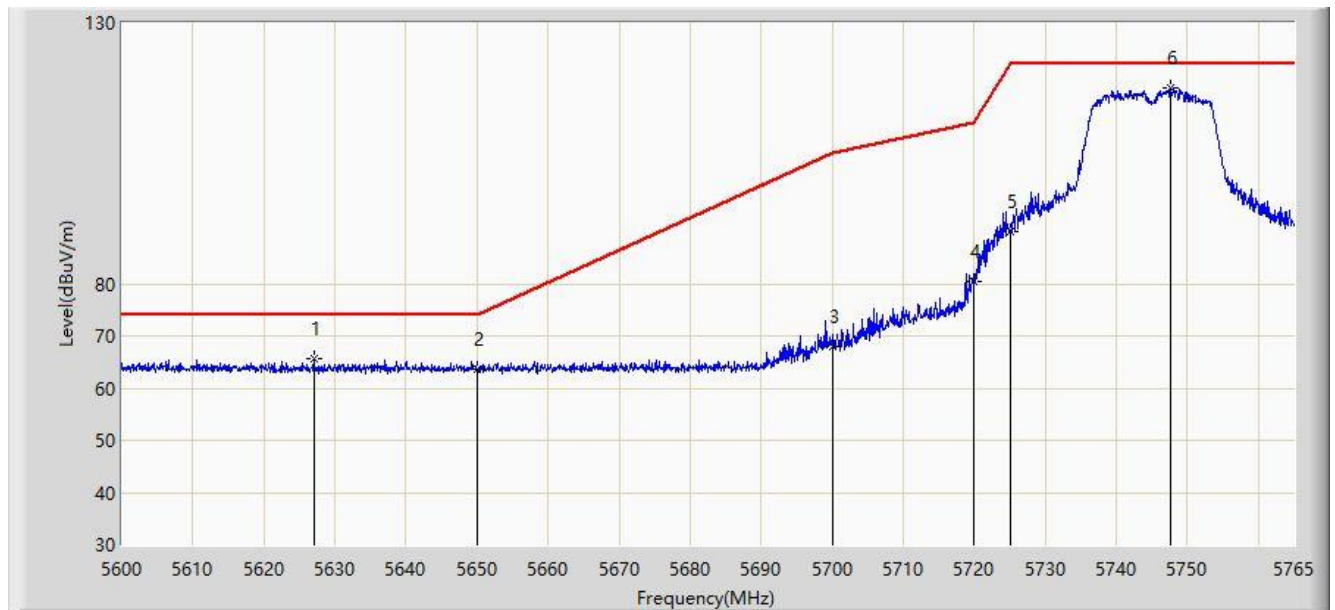


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5693.255	90.422	52.546	N/A	N/A	37.876	AV
2			5725.000	51.320	13.330	-2.680	54.000	37.990	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 18:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz, Chain 0 + 1 + 2	

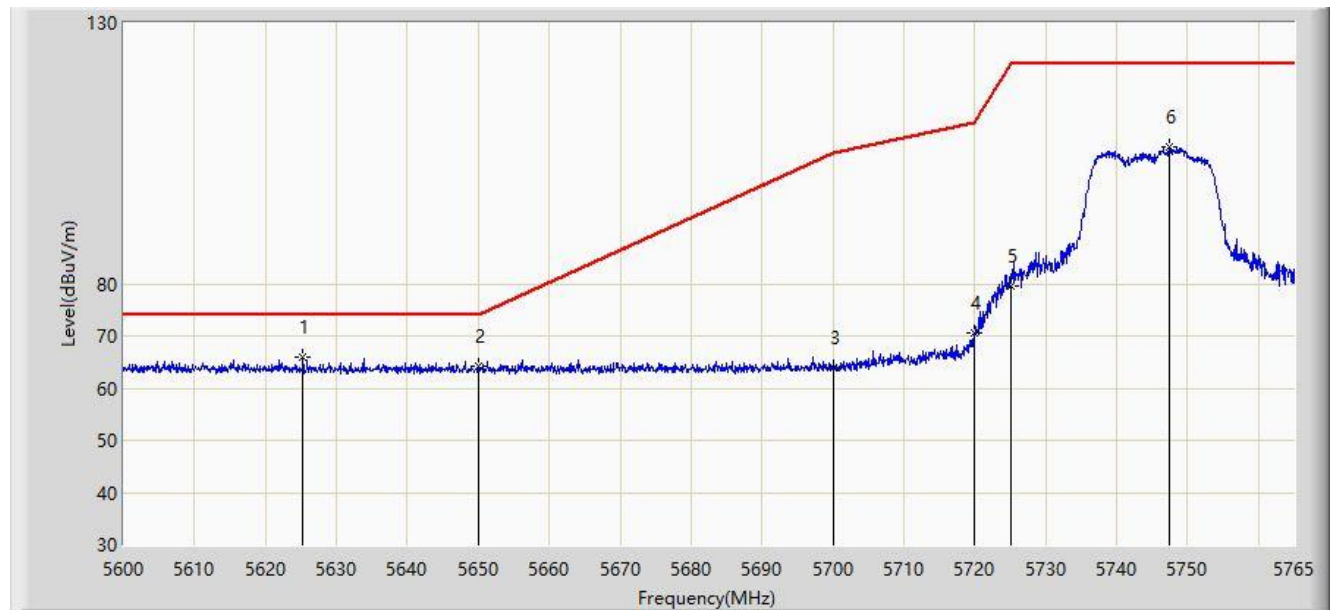


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5627.060	65.736	27.986	-8.264	74.000	37.750	PK
2			5650.000	63.515	25.728	-10.485	74.000	37.787	PK
3			5700.000	67.936	30.044	-37.264	105.200	37.892	PK
4			5720.000	80.308	42.339	-30.492	110.800	37.970	PK
5			5725.000	90.132	52.142	-32.068	122.200	37.990	PK
6		*	5747.675	117.605	79.520	N/A	N/A	38.084	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 18:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz, Chain 0 + 1 + 2	

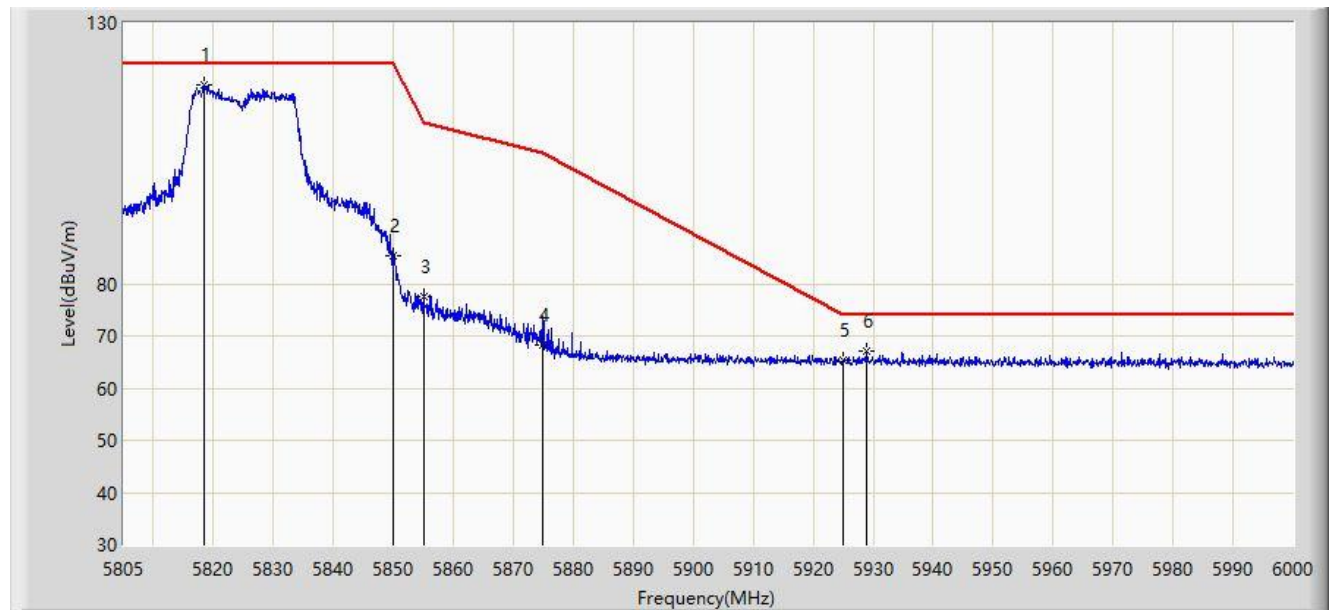


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5625.328	65.814	28.069	-8.186	74.000	37.745	PK
2			5650.000	64.128	26.341	-9.872	74.000	37.787	PK
3			5700.000	63.893	26.001	-41.307	105.200	37.892	PK
4			5720.000	70.517	32.548	-40.283	110.800	37.970	PK
5			5725.000	79.421	41.431	-42.779	122.200	37.990	PK
6			5747.510	106.222	68.138	N/A	N/A	38.084	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 18:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz, Chain 0 + 1 + 2	

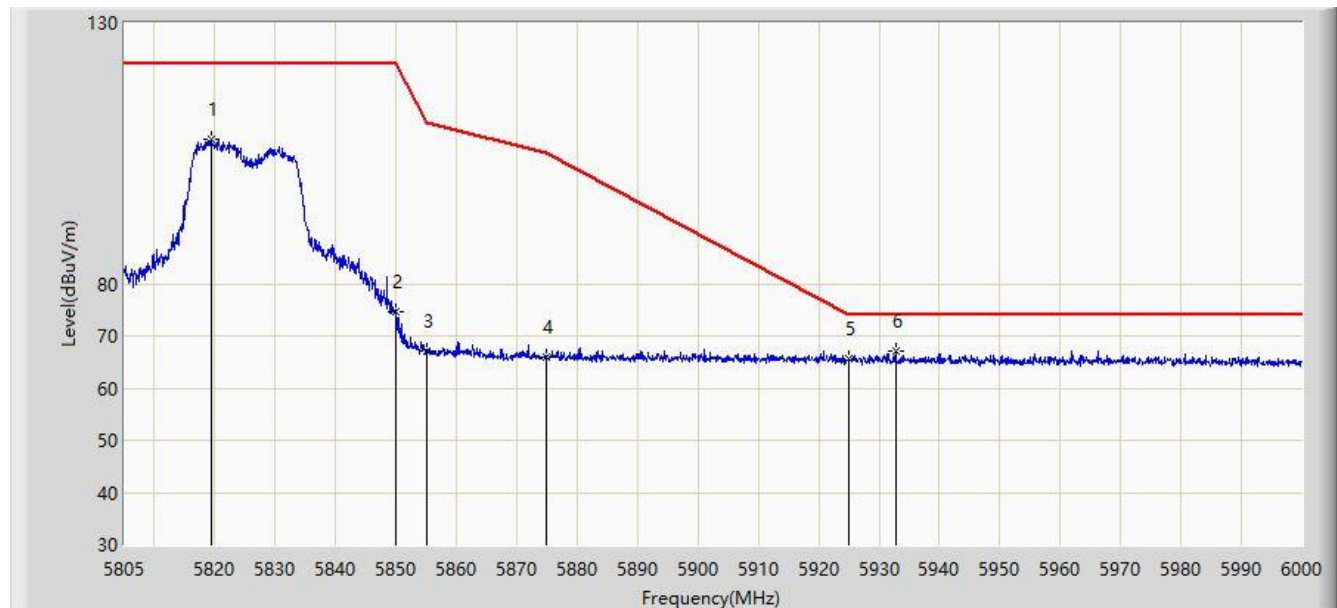


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5818.455	117.990	79.662	N/A	N/A	38.329	PK
2			5850.000	85.370	46.917	-36.830	122.200	38.454	PK
3			5855.000	77.617	39.152	-33.183	110.800	38.465	PK
4			5875.000	68.197	29.700	-37.003	105.200	38.497	PK
5			5925.000	65.299	26.766	-8.701	74.000	38.533	PK
6			5928.922	67.162	28.628	-6.838	74.000	38.534	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/07 - 18:25
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz, Chain 0 + 1 + 2	

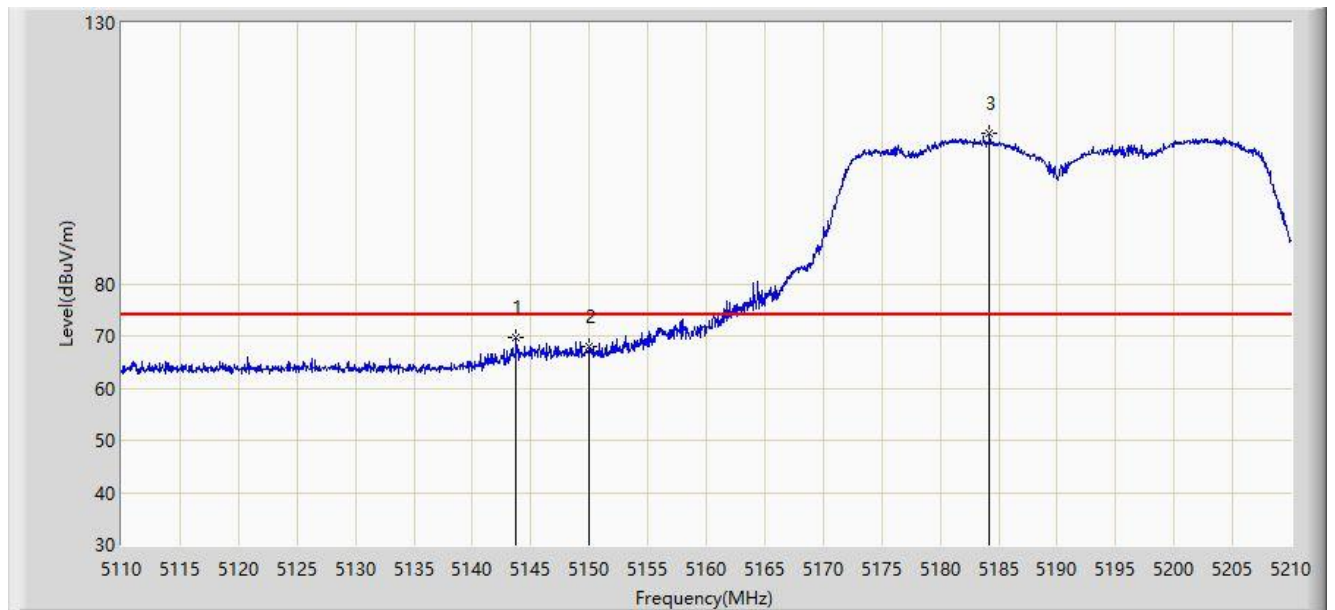


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5819.333	107.562	69.230	N/A	N/A	38.332	PK
2			5850.000	74.654	36.201	-47.546	122.200	38.454	PK
3			5855.000	67.202	28.737	-43.598	110.800	38.465	PK
4			5875.000	65.981	27.484	-39.219	105.200	38.497	PK
5			5925.000	65.550	27.017	-8.450	74.000	38.533	PK
6		*	5932.725	67.237	28.708	-6.763	74.000	38.529	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 21:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz, Chain 0 + 1 + 2	

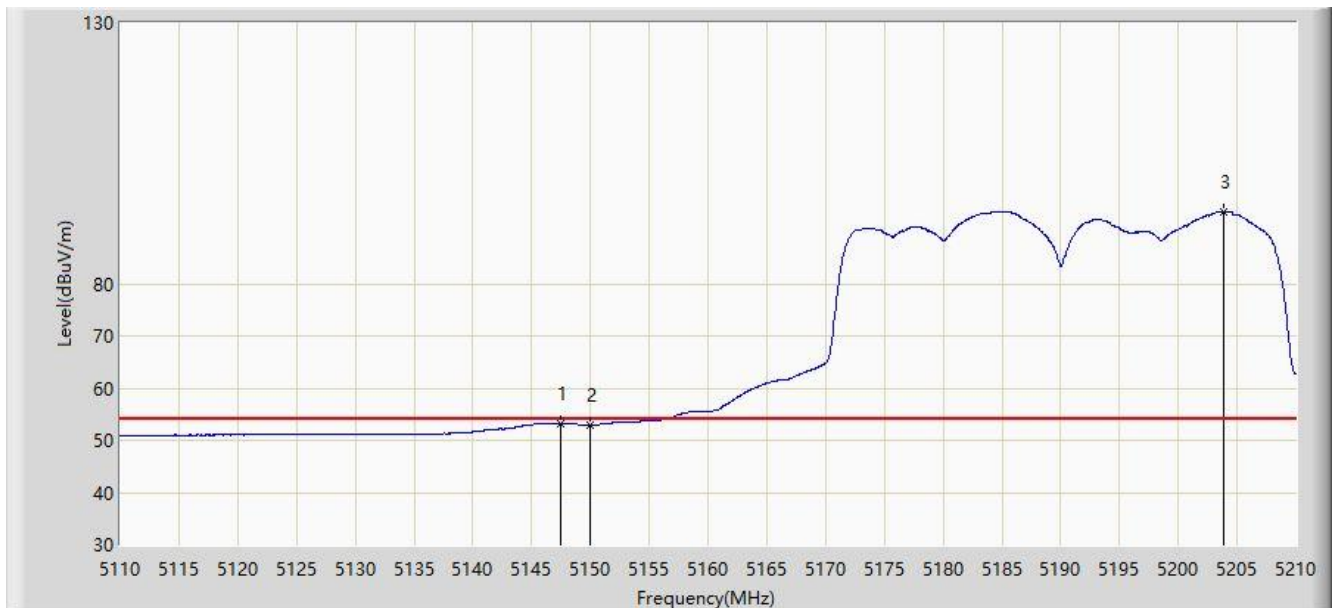


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.750	69.577	32.115	-4.423	74.000	37.462	PK
2			5150.000	68.101	30.649	-5.899	74.000	37.452	PK
3		*	5184.200	108.810	71.446	N/A	N/A	37.364	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 21:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz, Chain 0 + 1 + 2	

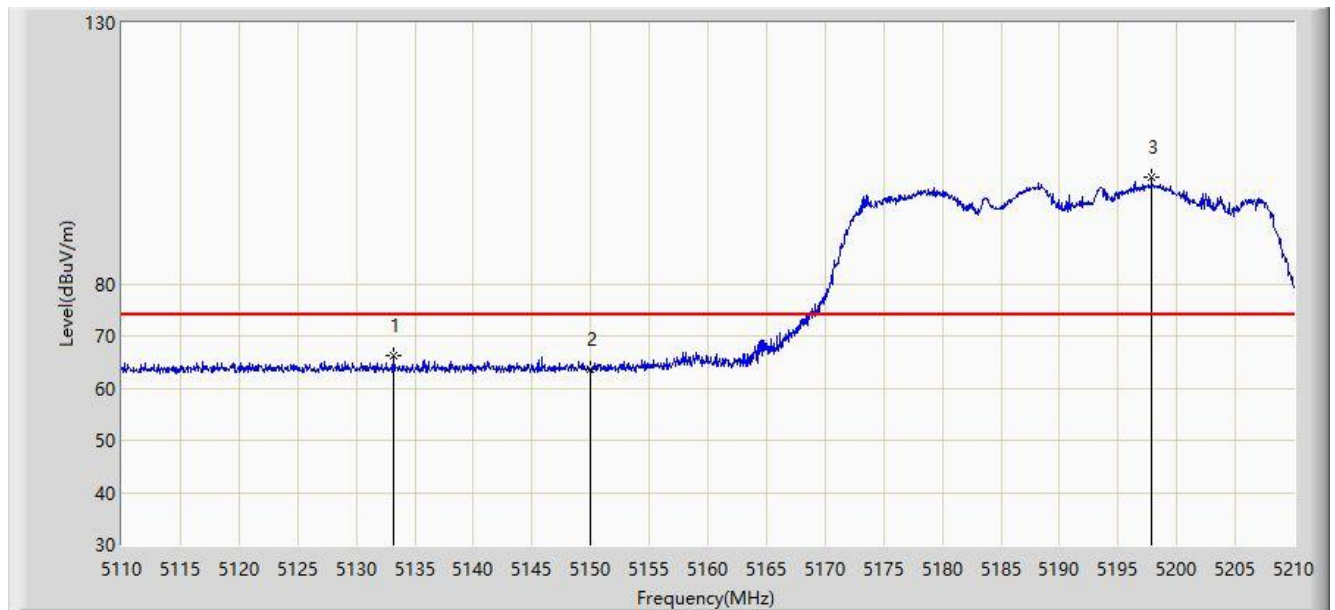


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.450	53.310	15.854	-0.690	54.000	37.456	AV
2			5150.000	52.959	15.507	-1.041	54.000	37.452	AV
3		*	5203.900	93.785	56.474	N/A	N/A	37.311	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 21:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz, Chain 0 + 1 + 2	

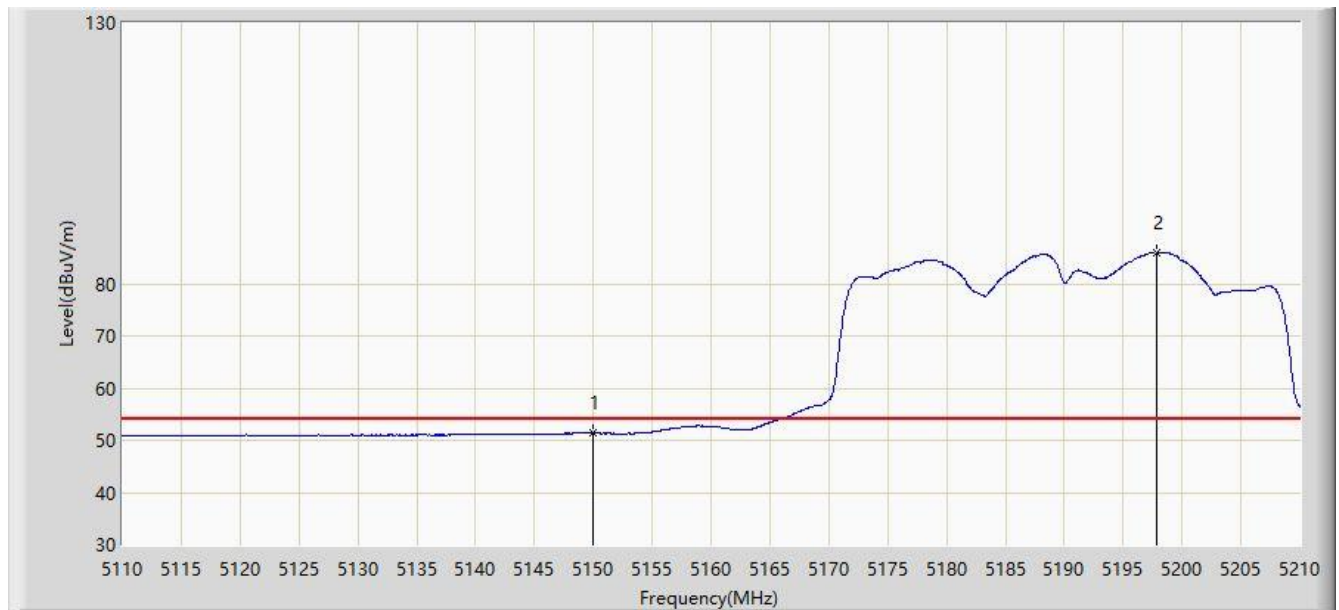


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5133.200	66.183	28.707	-7.817	74.000	37.477	PK
2			5150.000	63.609	26.157	-10.391	74.000	37.452	PK
3		*	5197.850	100.344	63.014	N/A	N/A	37.330	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 21:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz, Chain 0 + 1 + 2	

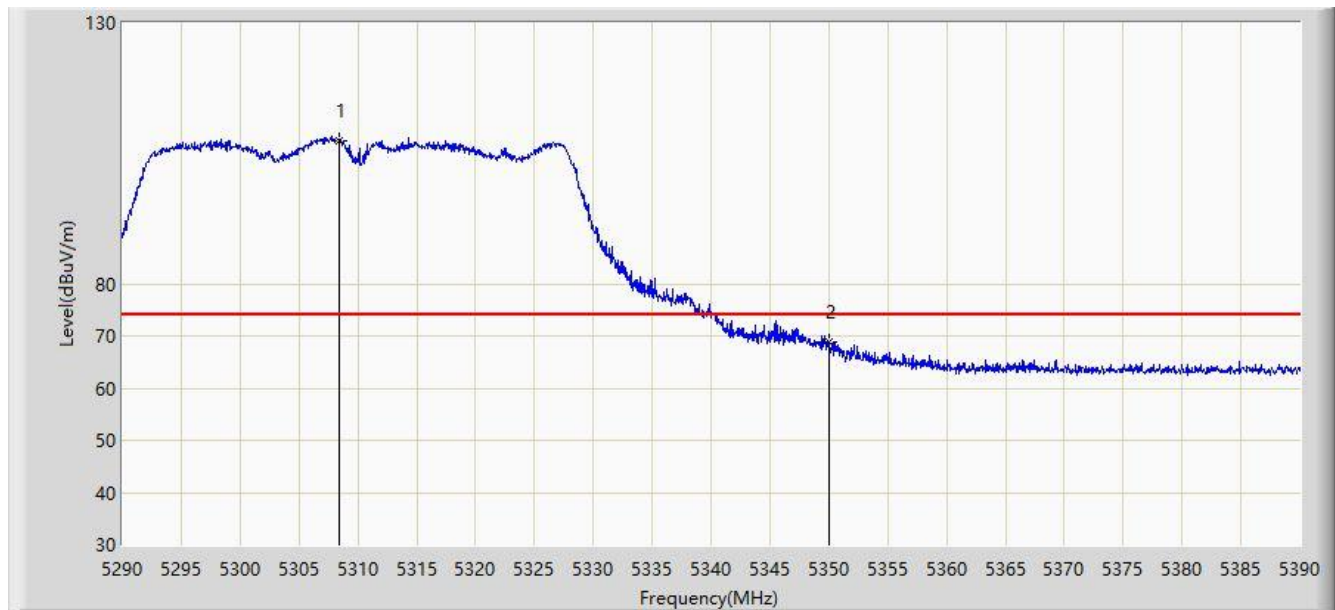


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.360	13.908	-2.640	54.000	37.452	AV
2		*	5197.800	85.865	48.534	N/A	N/A	37.331	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 22:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz, Chain 0 + 1 + 2	

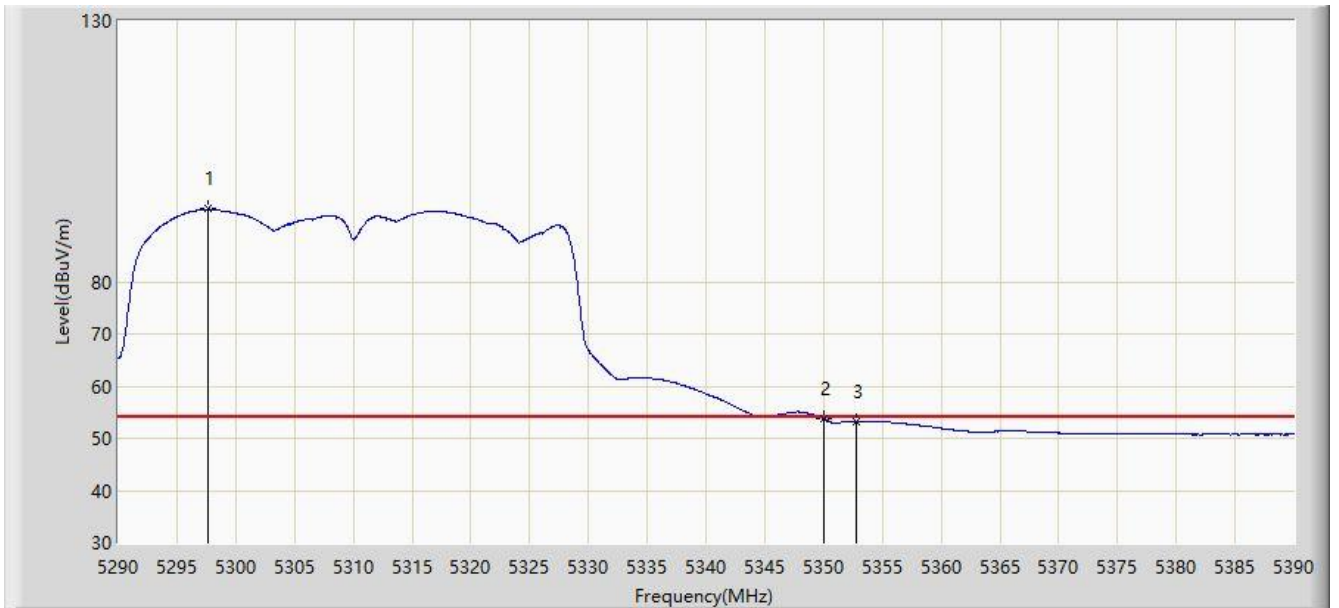


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5308.450	107.487	70.291	N/A	N/A	37.196	PK
2			5350.000	68.945	31.659	-5.055	74.000	37.286	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 22:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz, Chain 0 + 1 + 2	

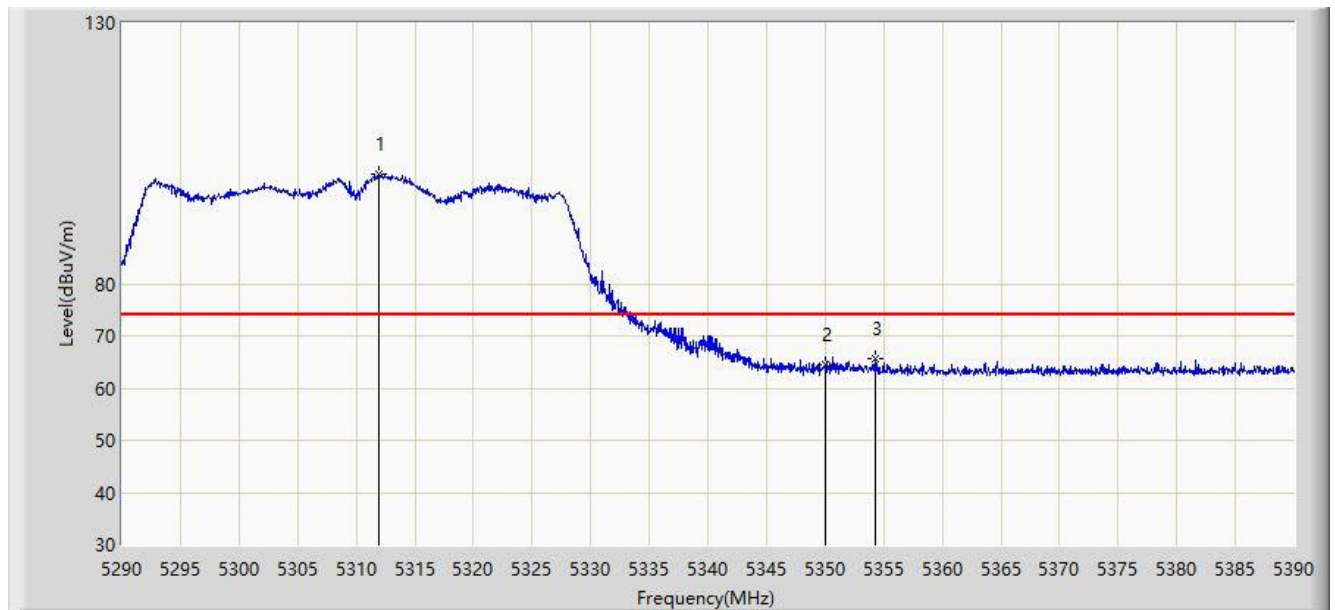


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5297.700	93.918	56.736	N/A	N/A	37.181	AV
2			5350.000	53.775	16.489	-0.225	54.000	37.286	AV
3			5352.800	53.277	15.982	-0.723	54.000	37.295	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 22:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz, Chain 0 + 1 + 2	

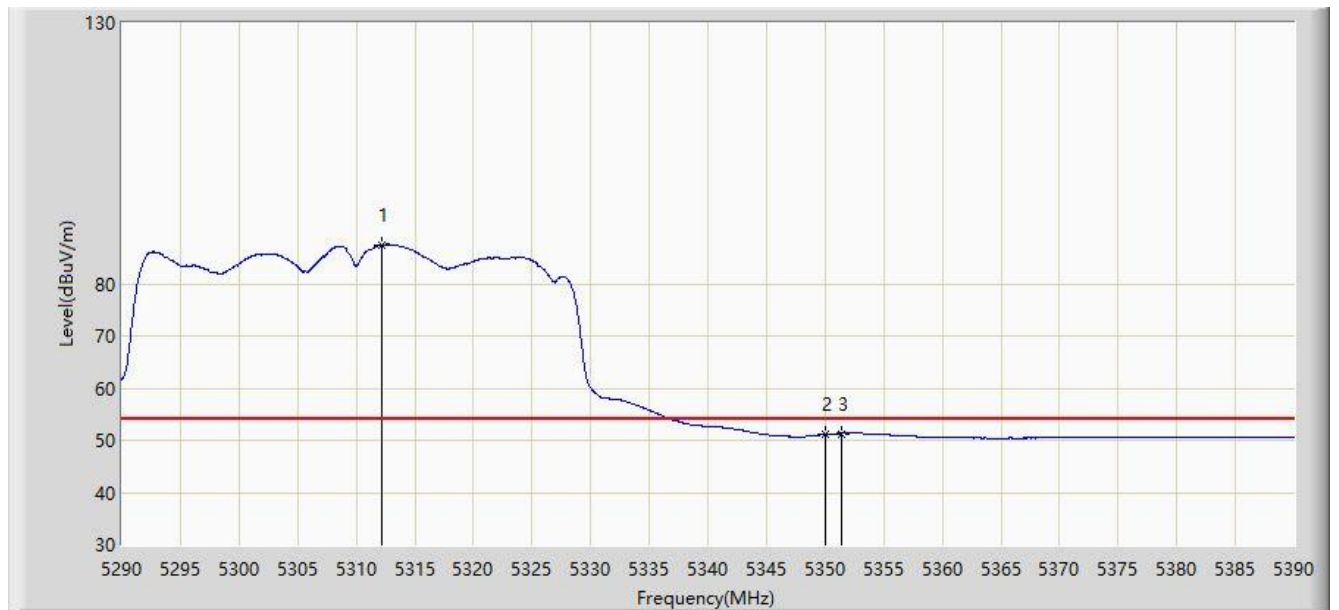


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5311.950	100.904	63.704	N/A	N/A	37.200	PK
2			5350.000	64.531	27.245	-9.469	74.000	37.286	PK
3			5354.250	65.513	28.214	-8.487	74.000	37.299	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 22:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz, Chain 0 + 1 + 2	

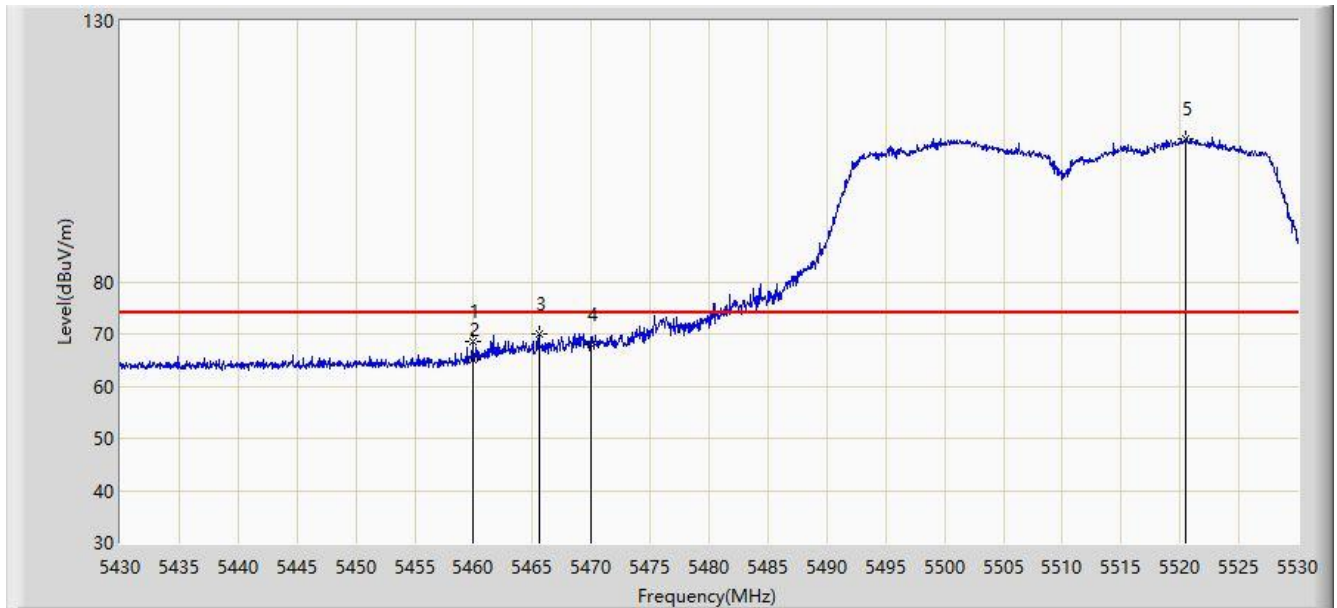


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.200	87.474	50.274	N/A	N/A	37.201	AV
2			5350.000	51.086	13.800	-2.914	54.000	37.286	AV
3			5351.350	51.303	14.012	-2.697	54.000	37.290	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 22:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz, Chain 0 + 1 + 2	

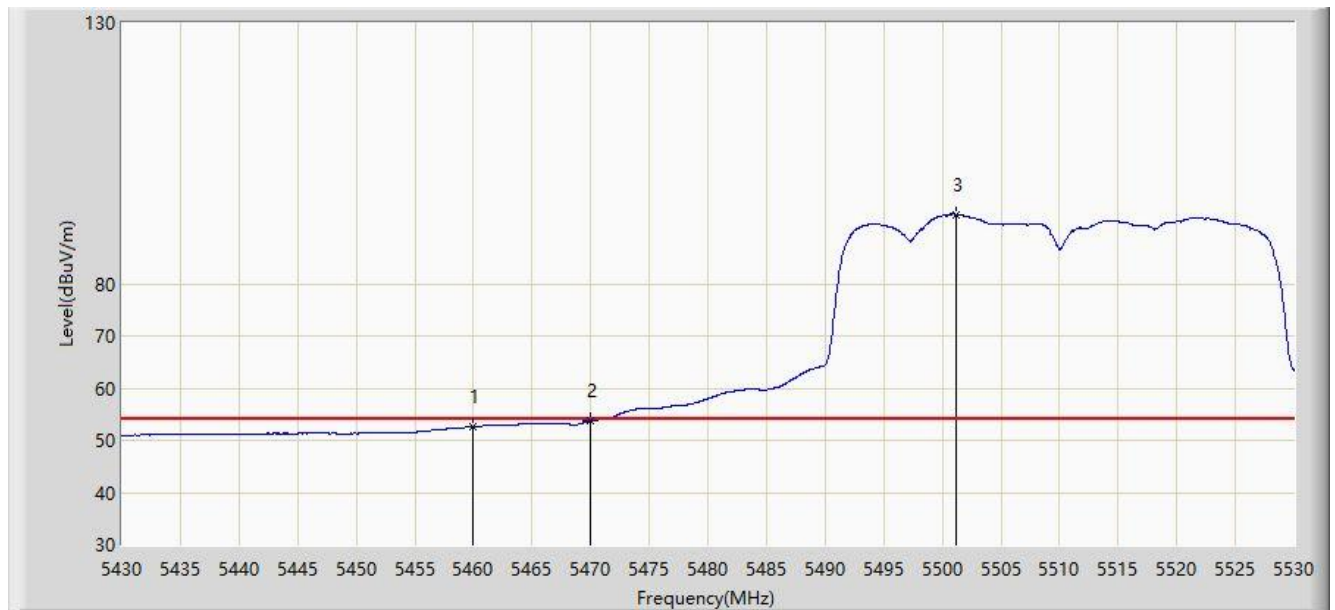


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.900	68.433	30.871	-5.567	74.000	37.562	PK
2			5460.000	65.209	27.646	-8.791	74.000	37.563	PK
3			5465.550	69.973	32.396	-4.027	74.000	37.577	PK
4			5470.000	68.112	30.523	-5.888	74.000	37.588	PK
5		*	5520.450	107.287	69.640	N/A	N/A	37.647	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 22:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz, Chain 0 + 1 + 2	

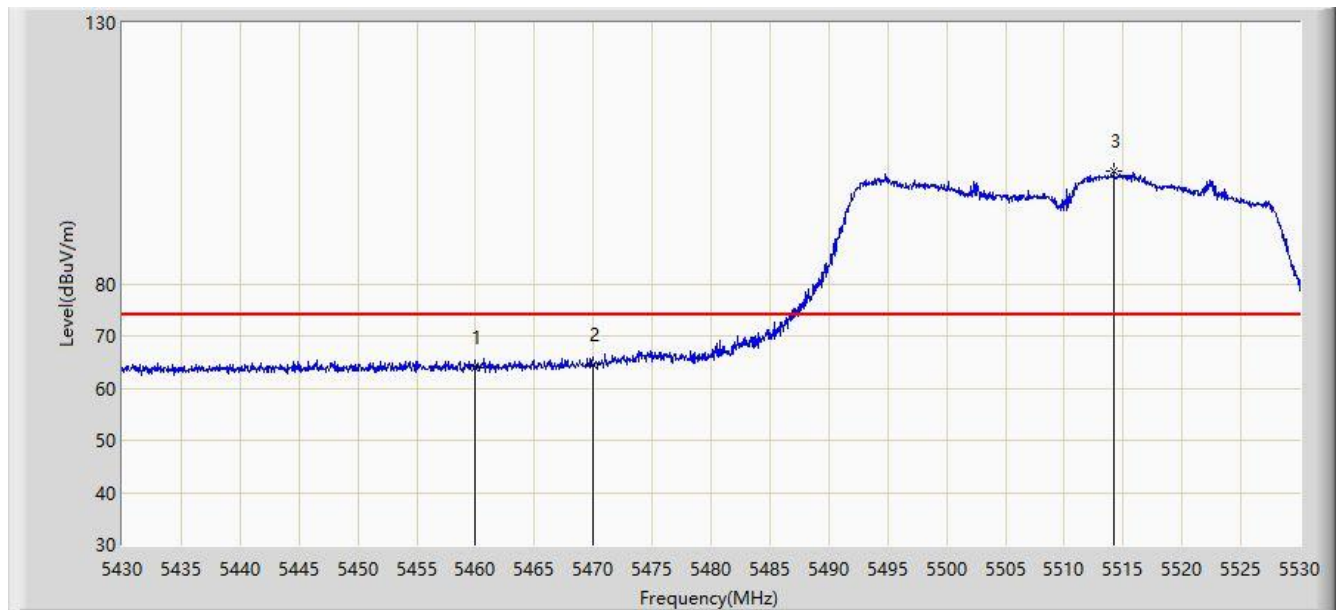


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.553	14.990	-1.447	54.000	37.563	AV
2			5470.000	53.777	16.188	-0.223	54.000	37.588	AV
3		*	5501.200	93.332	55.706	N/A	N/A	37.626	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 22:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz, Chain 0 + 1 + 2	

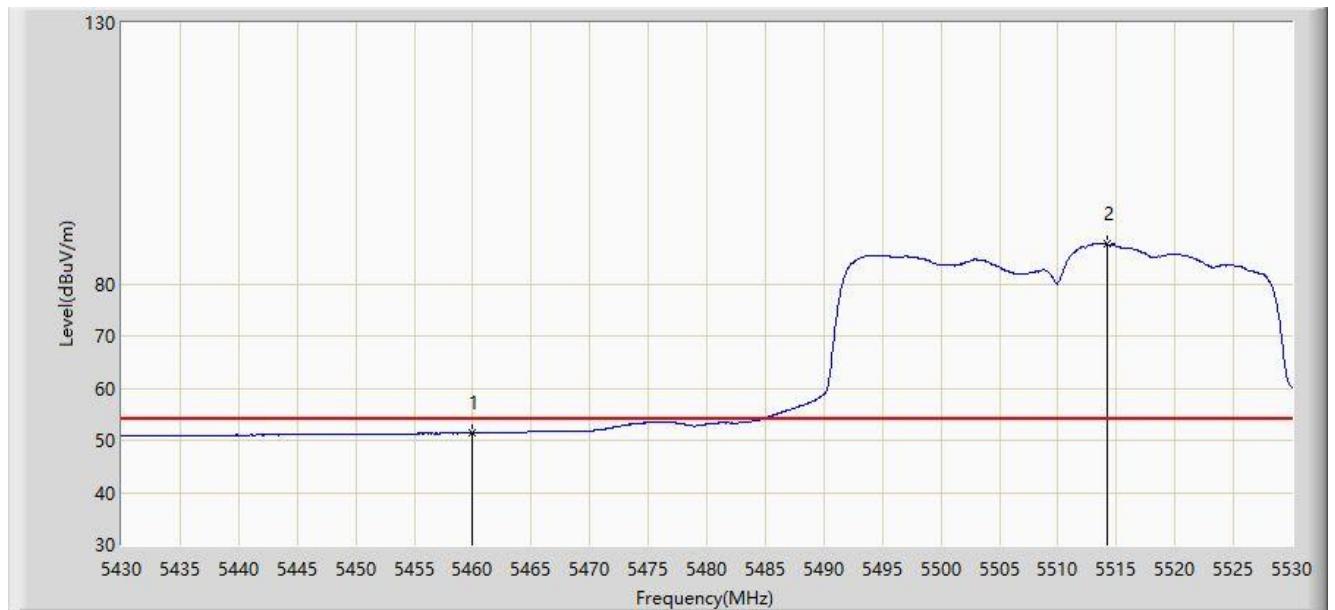


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	63.995	26.432	-10.005	74.000	37.563	PK
2			5470.000	64.423	26.834	-9.577	74.000	37.588	PK
3		*	5514.200	101.526	63.886	N/A	N/A	37.640	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 22:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz, Chain 0 + 1 + 2	

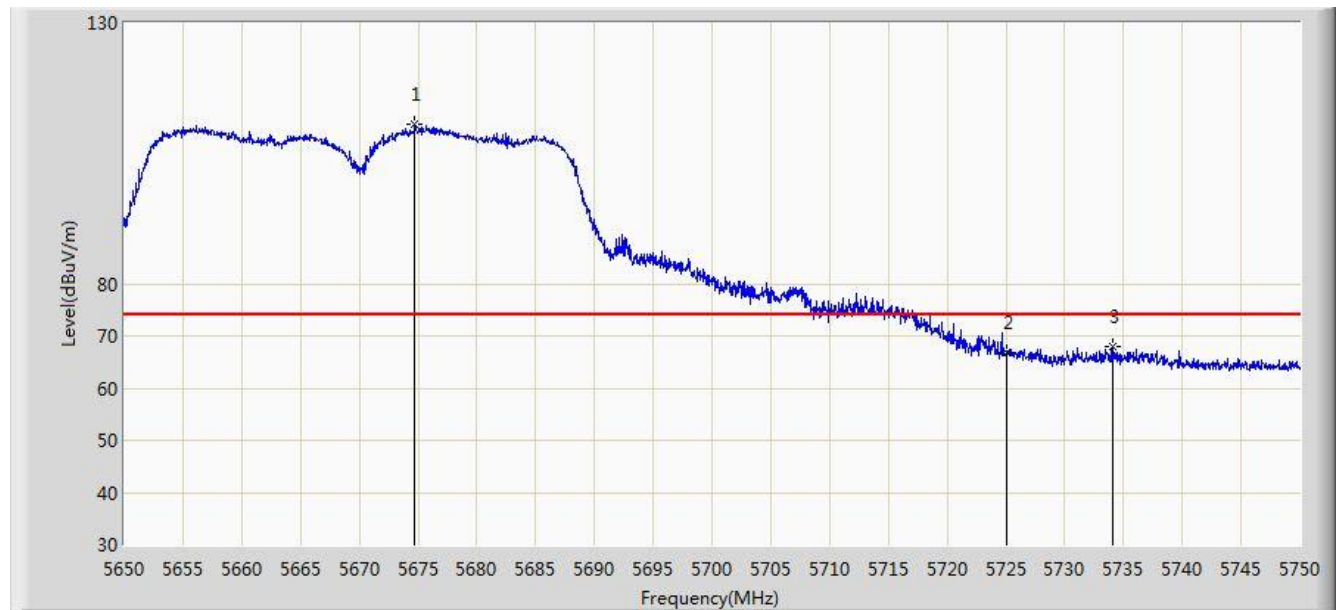


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.355	13.792	-2.645	54.000	37.563	AV
2		*	5514.250	87.618	49.978	N/A	N/A	37.640	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/15 - 20:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz, Chain 0 + 1 + 2	

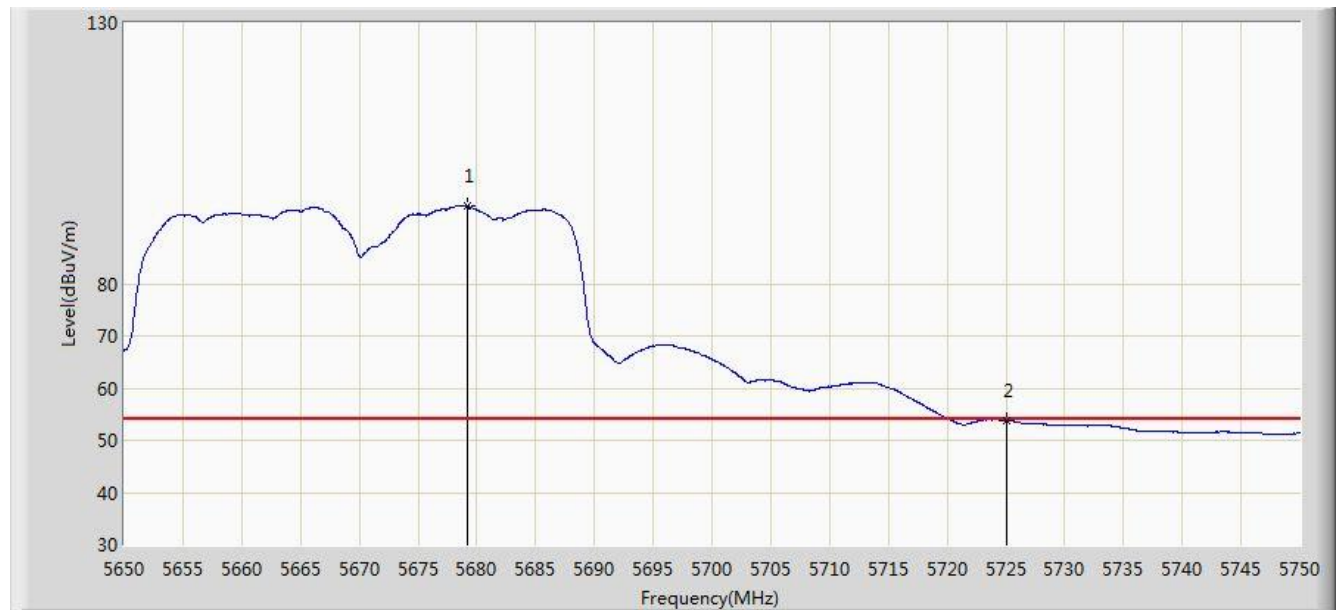


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5674.700	110.682	72.867	N/A	N/A	37.815	PK
2			5725.000	66.949	28.959	-7.051	74.000	37.990	PK
3			5734.050	67.960	29.933	-6.040	74.000	38.027	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/15 - 20:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz, Chain 0 + 1 + 2	

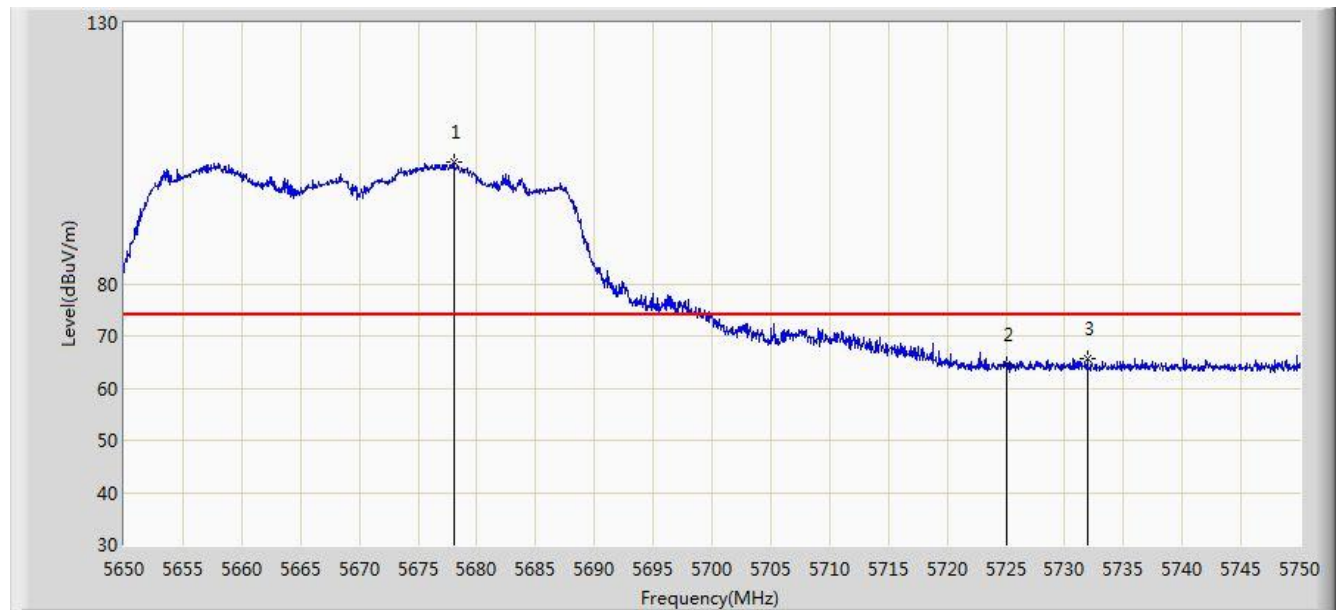


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5679.200	94.898	57.069	N/A	N/A	37.830	AV
2			5725.000	53.805	15.815	-0.195	54.000	37.990	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/15 - 20:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz, Chain 0 + 1 + 2	

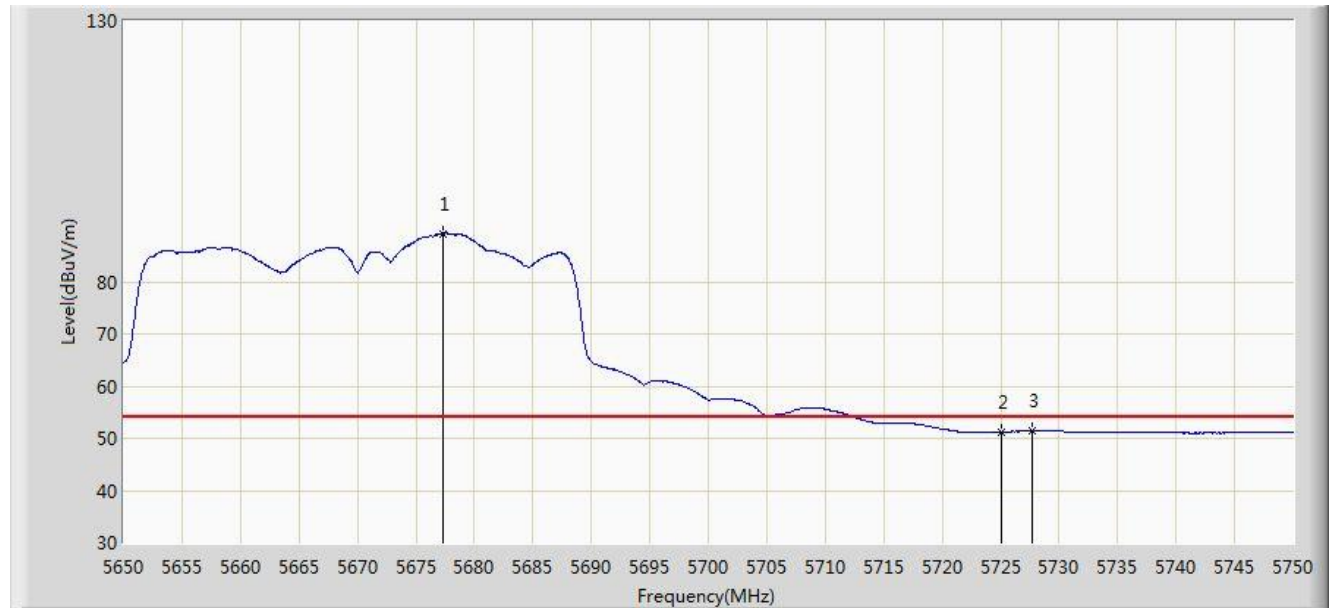


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5678.050	103.265	65.439	N/A	N/A	37.826	PK
2			5725.000	64.553	26.563	-9.447	74.000	37.990	PK
3			5731.950	65.640	27.622	-8.360	74.000	38.019	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/15 - 20:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz, Chain 0 + 1 + 2	

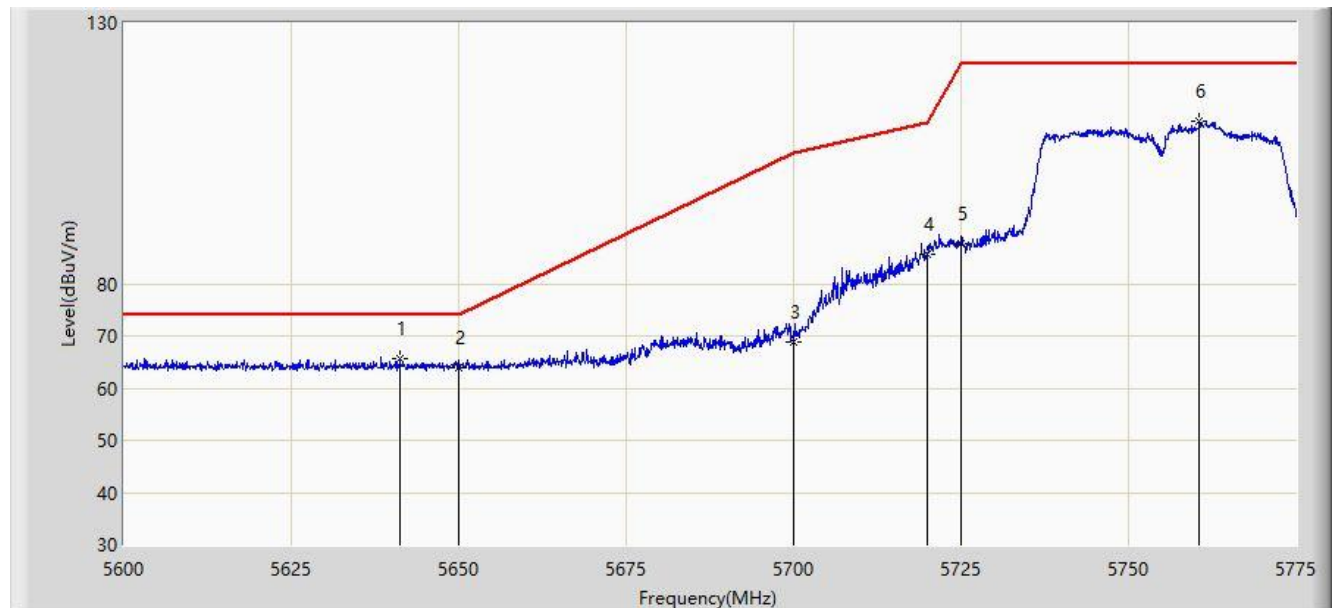


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5677.300	89.237	51.414	N/A	N/A	37.824	AV
2			5725.000	51.219	13.229	-2.781	54.000	37.990	AV
3			5727.750	51.418	13.417	-2.582	54.000	38.001	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:03
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz, Chain 0 + 1 + 2	

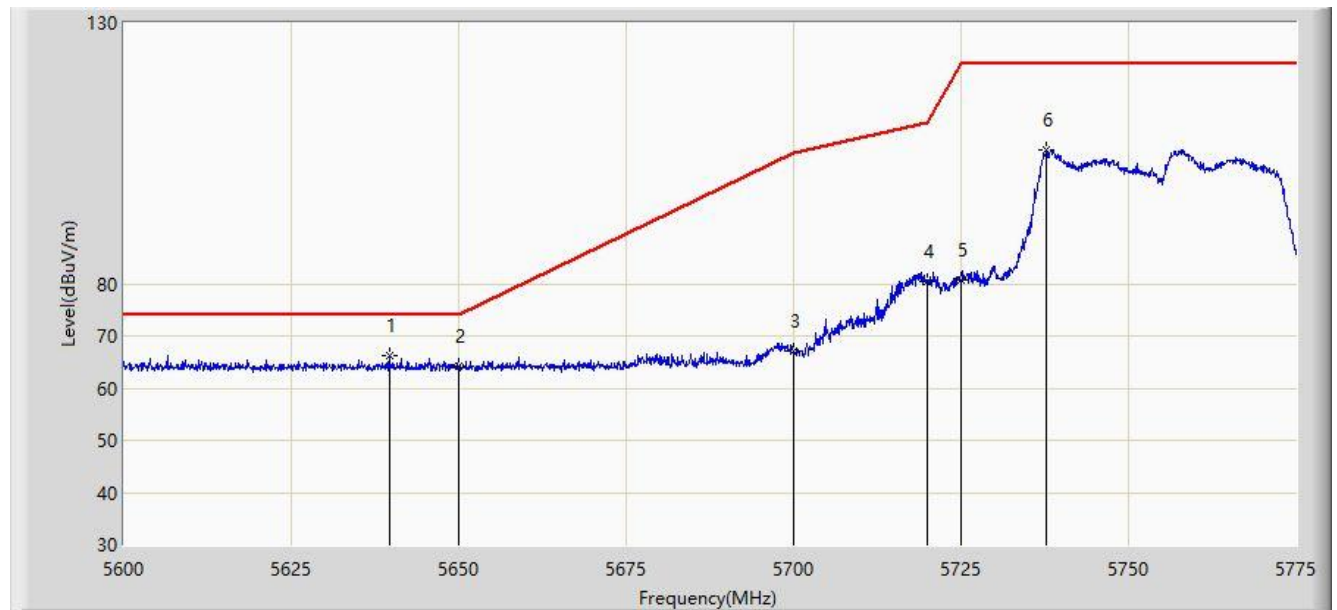


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5641.212	65.591	27.806	-8.409	74.000	37.785	PK
2			5650.000	63.900	26.113	-10.100	74.000	37.787	PK
3			5700.000	68.899	31.007	-5.101	74.000	37.892	PK
4			5720.000	85.566	47.597	11.566	74.000	37.970	PK
5		*	5725.000	87.630	49.640	13.630	74.000	37.990	PK
6			5760.562	111.272	73.130	N/A	N/A	38.143	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:06
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz, Chain 0 + 1 + 2	

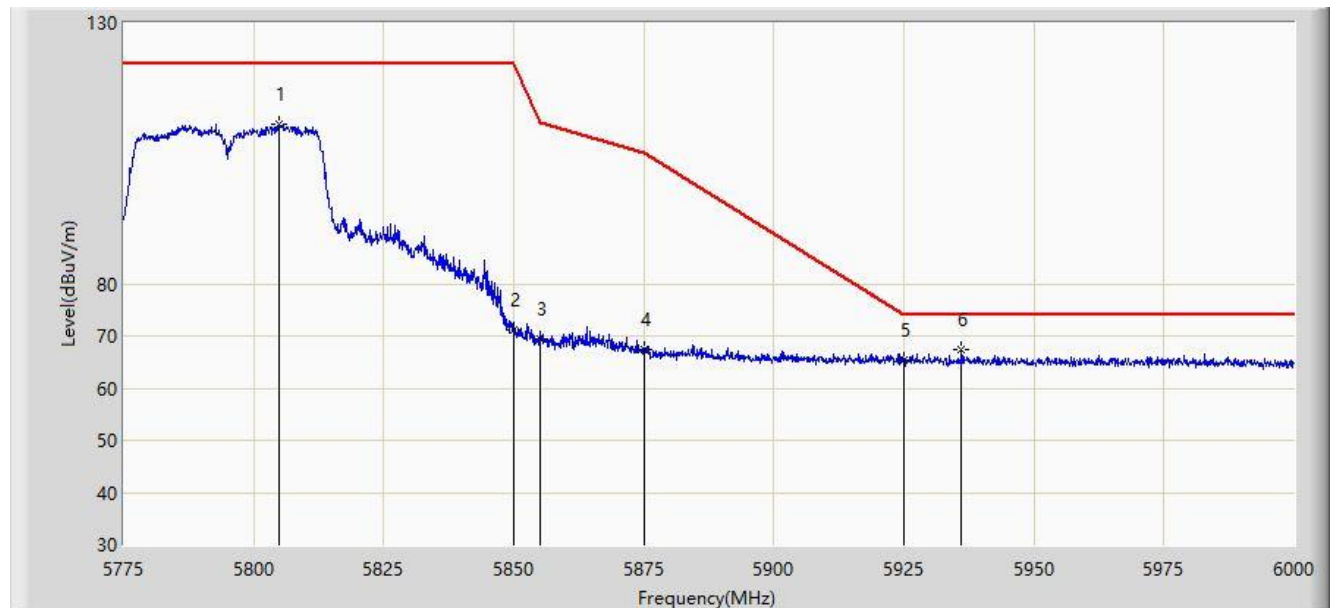


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.638	66.094	28.312	-7.906	74.000	37.782	PK
2			5650.000	64.084	26.297	-9.916	74.000	37.787	PK
3			5700.000	67.085	29.193	-38.115	105.200	37.892	PK
4			5720.000	80.421	42.452	-30.379	110.800	37.970	PK
5			5725.000	80.683	42.693	-41.517	122.200	37.990	PK
6			5737.812	105.728	67.685	N/A	N/A	38.042	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz, Chain 0 + 1 + 2	

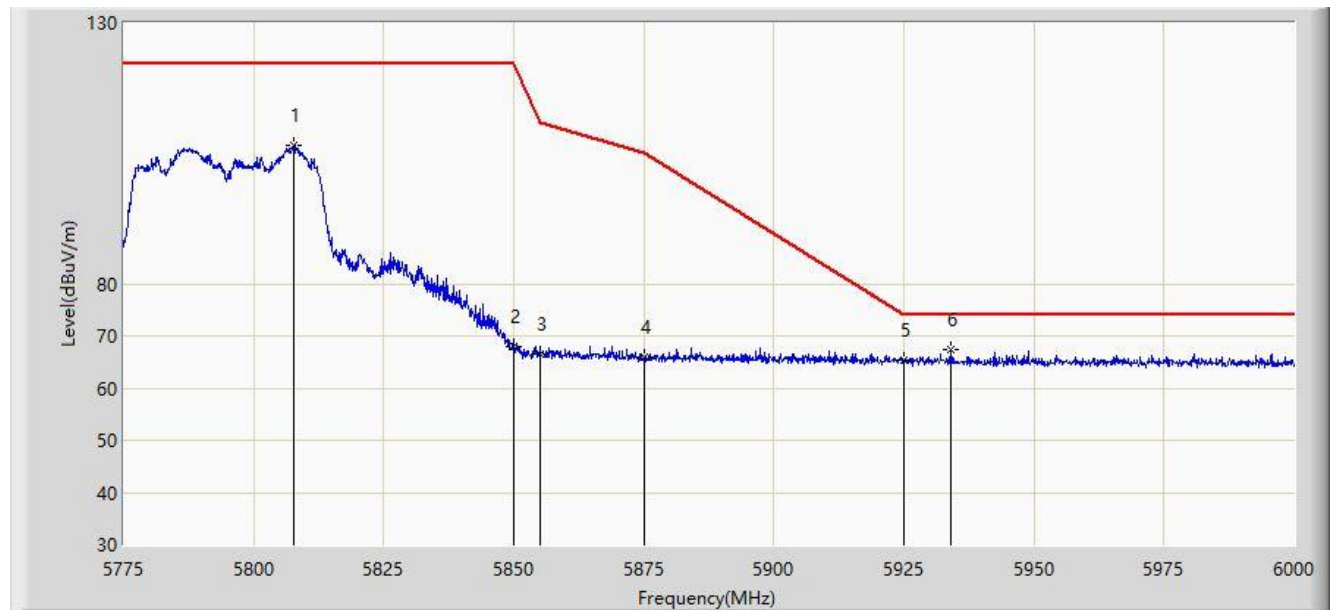


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5804.925	110.632	72.353	N/A	N/A	38.279	PK
2			5850.000	71.027	32.574	-51.173	122.200	38.454	PK
3			5855.000	69.557	31.092	-41.243	110.800	38.465	PK
4			5875.000	67.278	28.781	-37.922	105.200	38.497	PK
5			5925.000	65.391	26.858	-8.609	74.000	38.533	PK
6		*	5936.100	67.347	28.824	-6.653	74.000	38.523	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:12
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz, Chain 0 + 1 + 2	

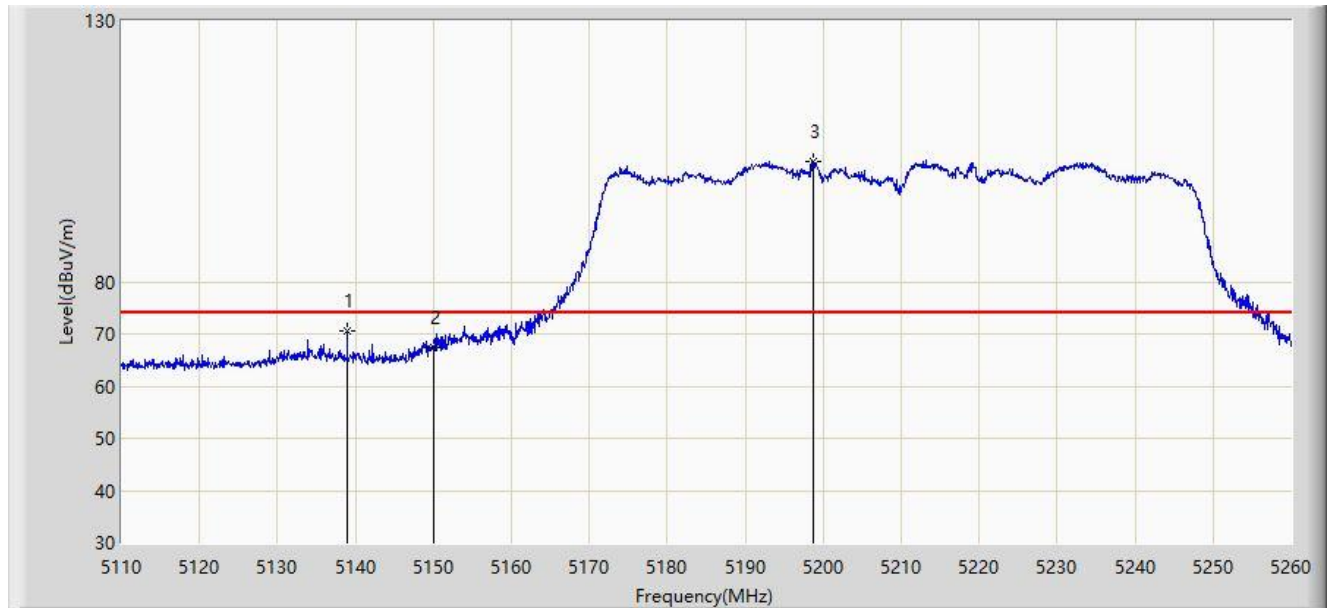


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5807.625	106.570	68.283	N/A	N/A	38.286	PK
2			5850.000	67.829	29.376	-54.371	122.200	38.454	PK
3			5855.000	66.472	28.007	-44.328	110.800	38.465	PK
4			5875.000	66.025	27.528	-39.175	105.200	38.497	PK
5			5925.000	65.230	26.697	-8.770	74.000	38.533	PK
6		*	5933.962	67.452	28.925	-6.548	74.000	38.527	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz, Chain 0 + 1 + 2	

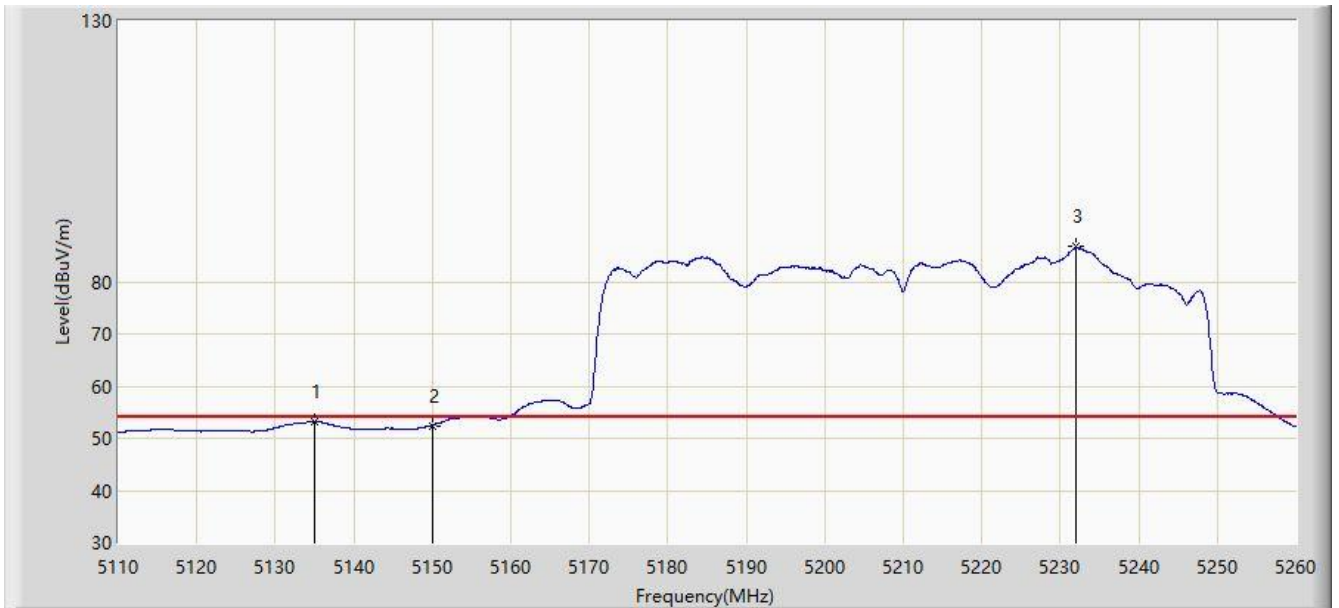


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.950	70.523	33.054	-3.477	74.000	37.470	PK
2			5150.000	67.529	30.077	-6.471	74.000	37.452	PK
3		*	5198.800	103.180	65.852	N/A	N/A	37.328	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz, Chain 0 + 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5134.975	53.199	15.724	-0.801	54.000	37.474	AV
2			5150.000	52.448	14.996	-1.552	54.000	37.452	AV
3		*	5232.025	86.696	49.460	N/A	N/A	37.236	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz, Chain 0 + 1 + 2	

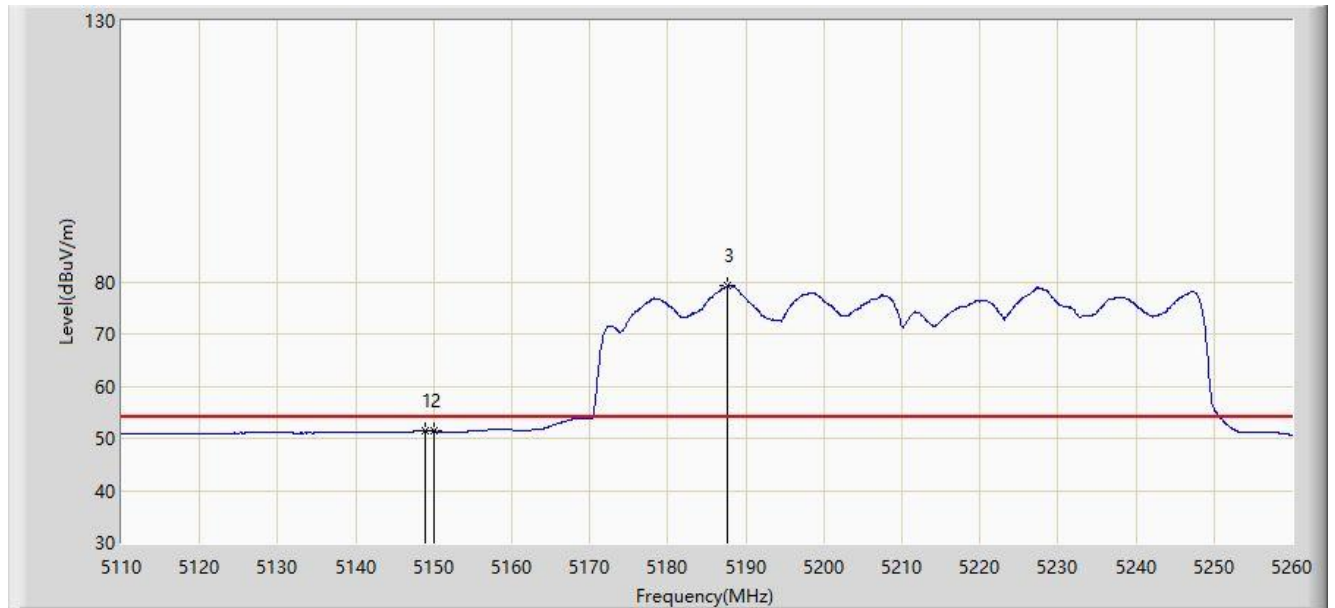


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5126.425	65.973	28.495	-8.027	74.000	37.478	PK
2			5150.000	64.345	26.893	-9.655	74.000	37.452	PK
3		*	5218.825	96.212	58.947	N/A	N/A	37.264	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz, Chain 0 + 1 + 2	

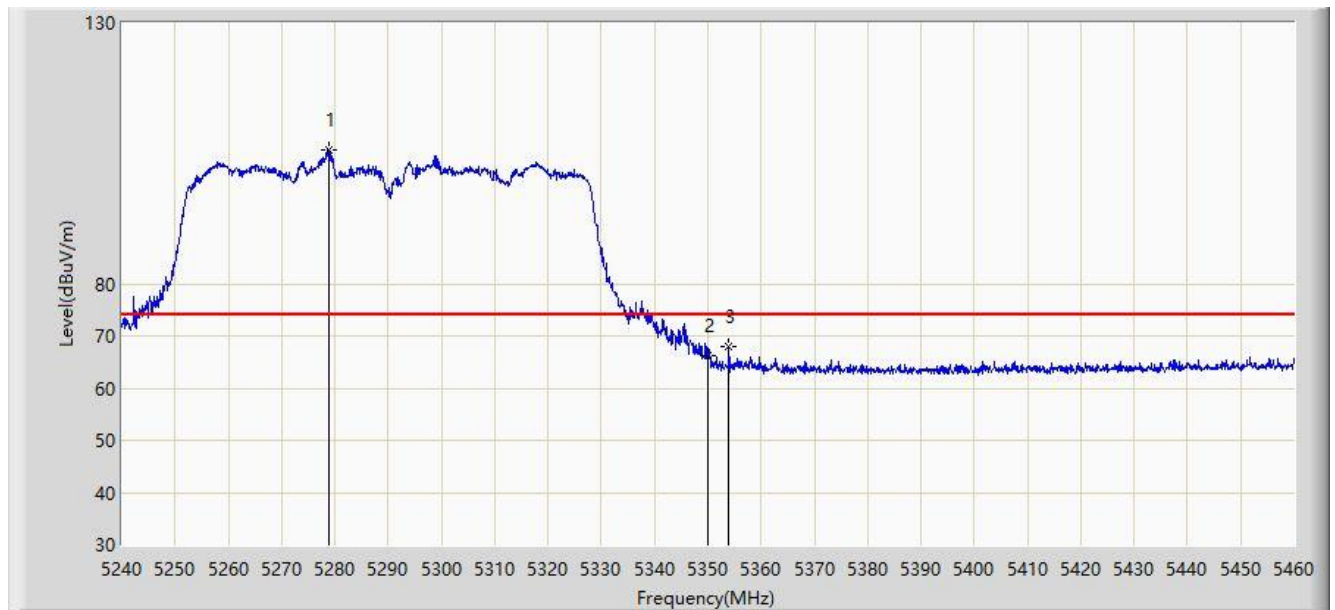


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.925	51.349	13.896	-2.651	54.000	37.453	AV
2			5150.000	51.337	13.885	-2.663	54.000	37.452	AV
3		*	5187.700	79.235	41.880	N/A	N/A	37.355	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz, Chain 0 + 1 + 2	

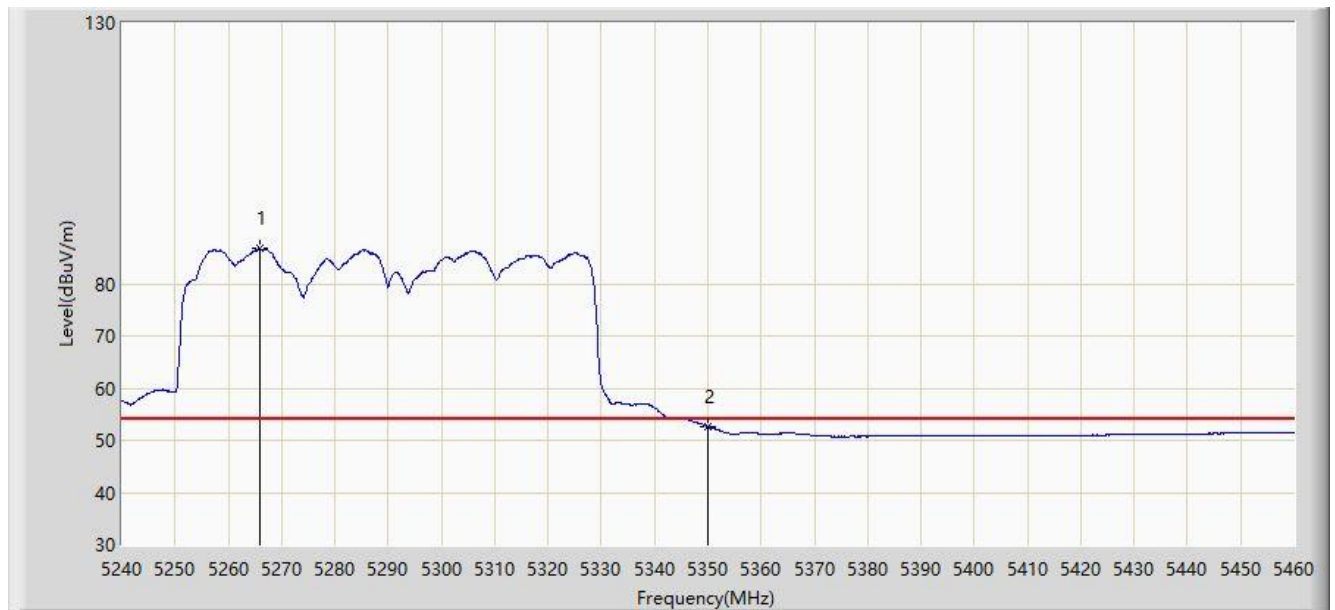


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5278.940	105.663	68.479	N/A	N/A	37.184	PK
2			5350.000	66.112	28.826	-7.888	74.000	37.286	PK
3			5353.960	67.929	30.631	-6.071	74.000	37.298	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz, Chain 0 + 1 + 2	

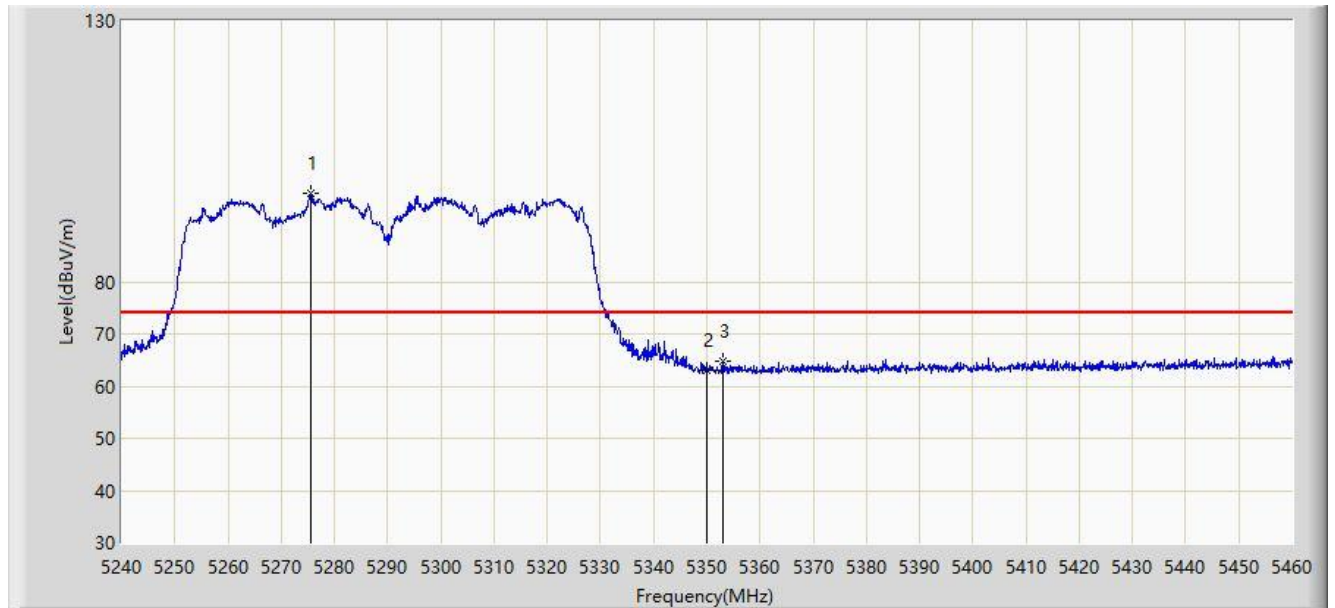


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5265.850	86.677	49.491	N/A	N/A	37.186	AV
2			5350.000	52.684	15.398	-1.316	54.000	37.286	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz, Chain 0 + 1 + 2	

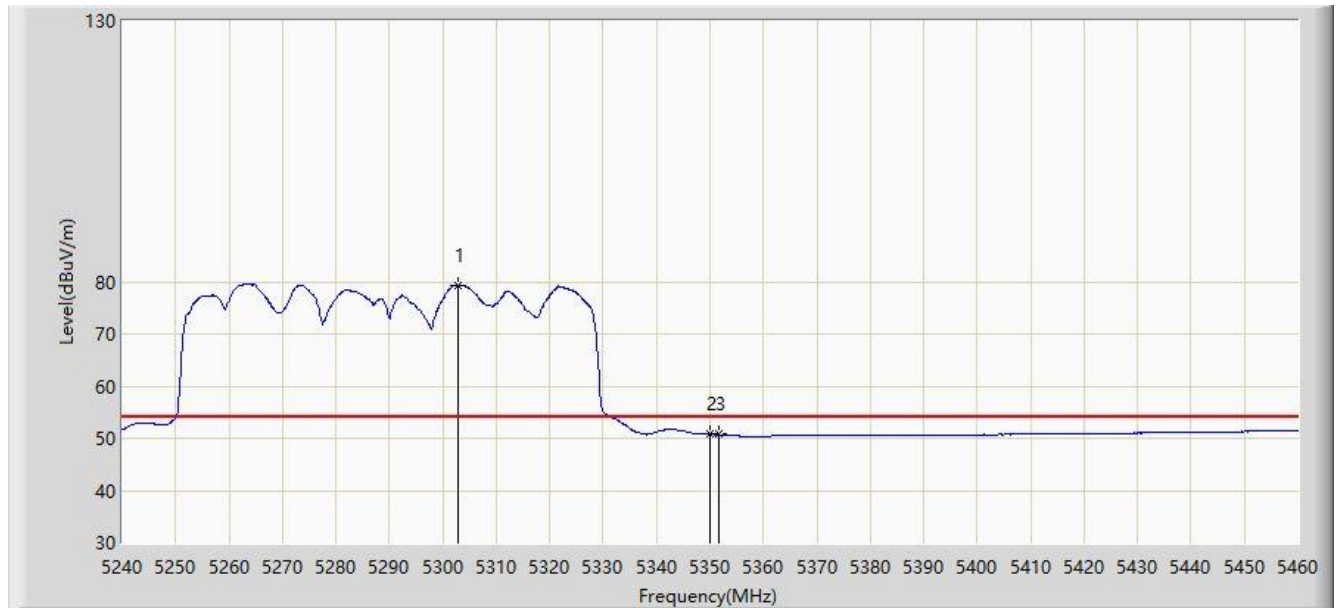


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5275.530	96.990	59.806	N/A	N/A	37.184	PK
2			5350.000	62.985	25.699	-11.015	74.000	37.286	PK
3			5353.080	64.918	27.622	-9.082	74.000	37.296	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/10 - 23:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz, Chain 0 + 1 + 2	

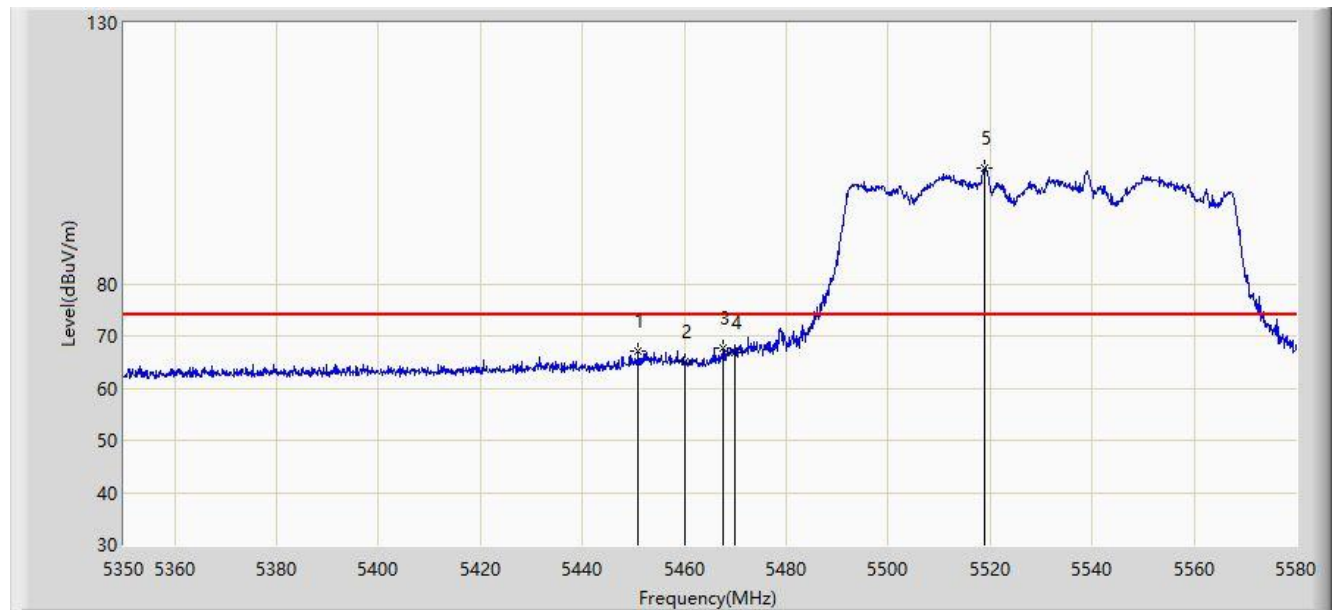


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5302.810	79.329	42.139	N/A	N/A	37.190	AV
2			5350.000	50.732	13.446	-3.268	54.000	37.286	AV
3			5351.650	50.736	13.444	-3.264	54.000	37.292	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/11 - 00:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz, Chain 0 + 1 + 2	

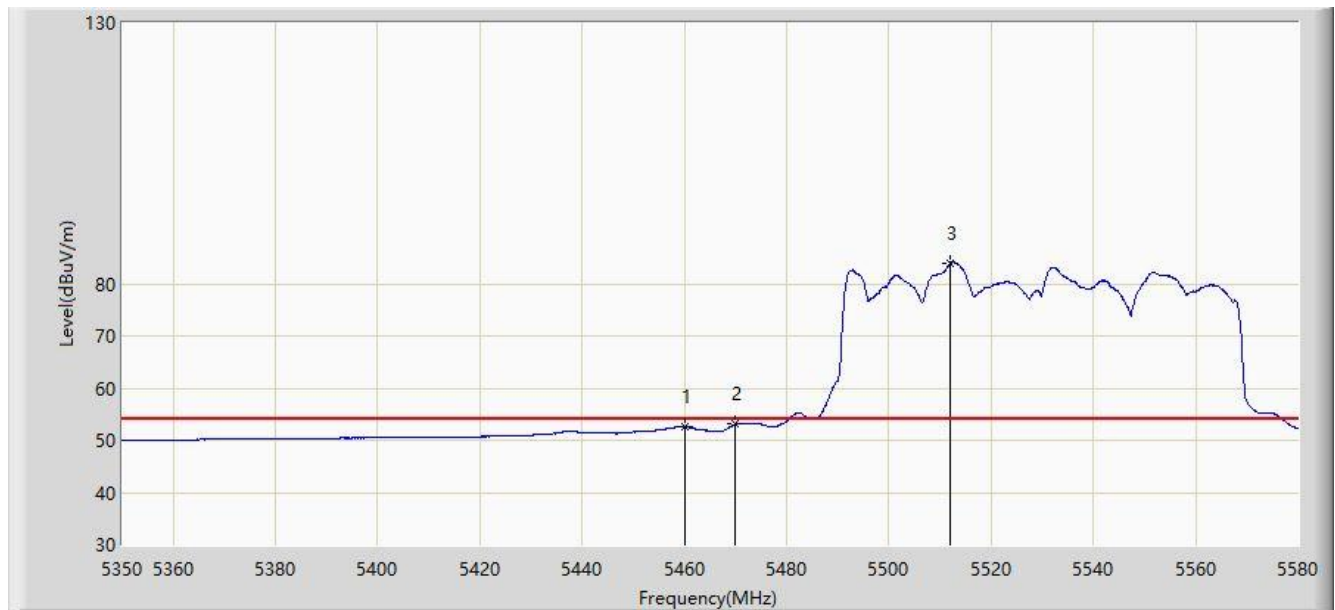


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5450.970	66.963	29.421	-7.037	74.000	37.542	PK
2			5460.000	64.951	27.388	-9.049	74.000	37.563	PK
3			5467.645	67.776	30.194	-6.224	74.000	37.583	PK
4			5470.000	66.693	29.104	-7.307	74.000	37.588	PK
5		*	5518.935	102.253	64.607	N/A	N/A	37.646	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/11 - 00:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz, Chain 0 + 1 + 2	

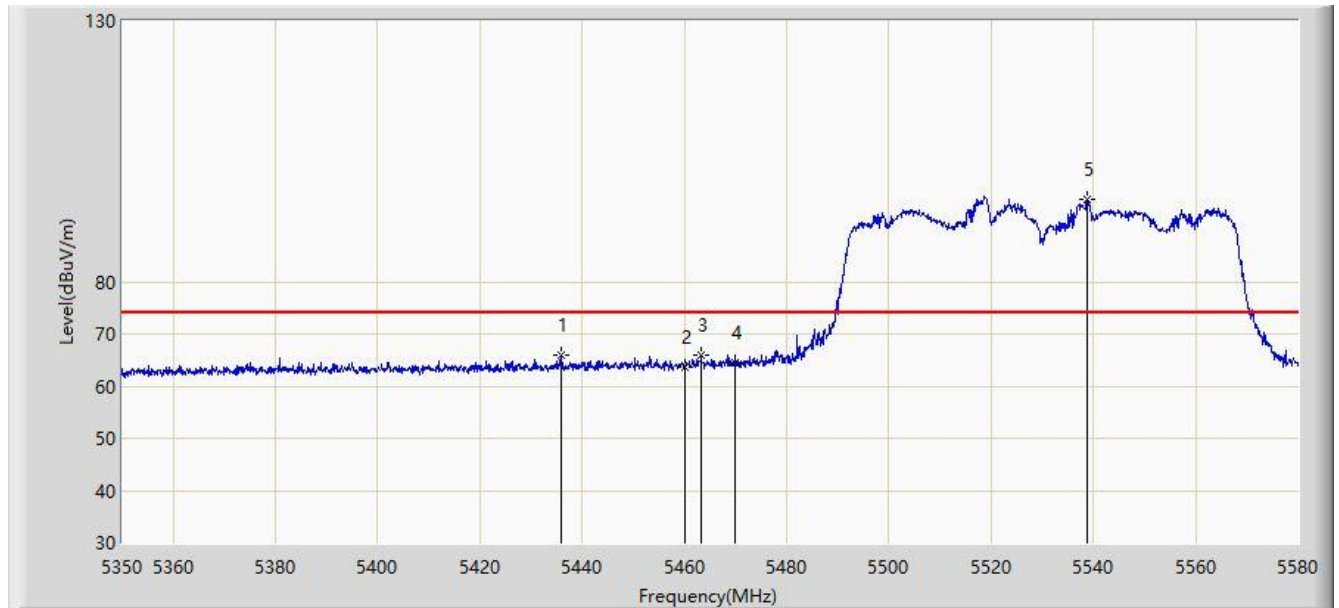


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.573	15.010	-1.427	54.000	37.563	AV
2			5470.000	53.132	15.543	-0.868	54.000	37.588	AV
3		*	5511.920	83.911	46.273	N/A	N/A	37.638	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/11 - 00:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz, Chain 0 + 1 + 2	

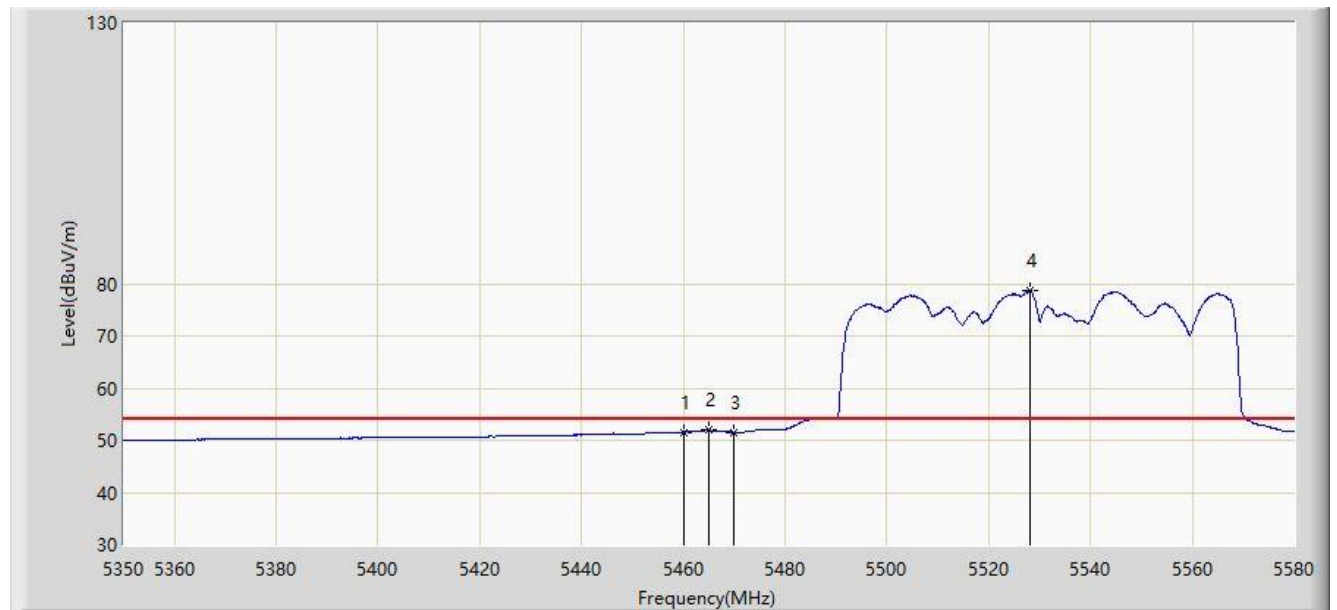


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5435.905	65.962	28.440	-8.038	74.000	37.521	PK
2			5460.000	63.669	26.106	-10.331	74.000	37.563	PK
3			5463.275	65.809	28.238	-8.191	74.000	37.571	PK
4			5470.000	64.443	26.854	-9.557	74.000	37.588	PK
5		*	5538.830	95.914	58.230	N/A	N/A	37.684	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/11 - 00:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz, Chain 0 + 1 + 2	

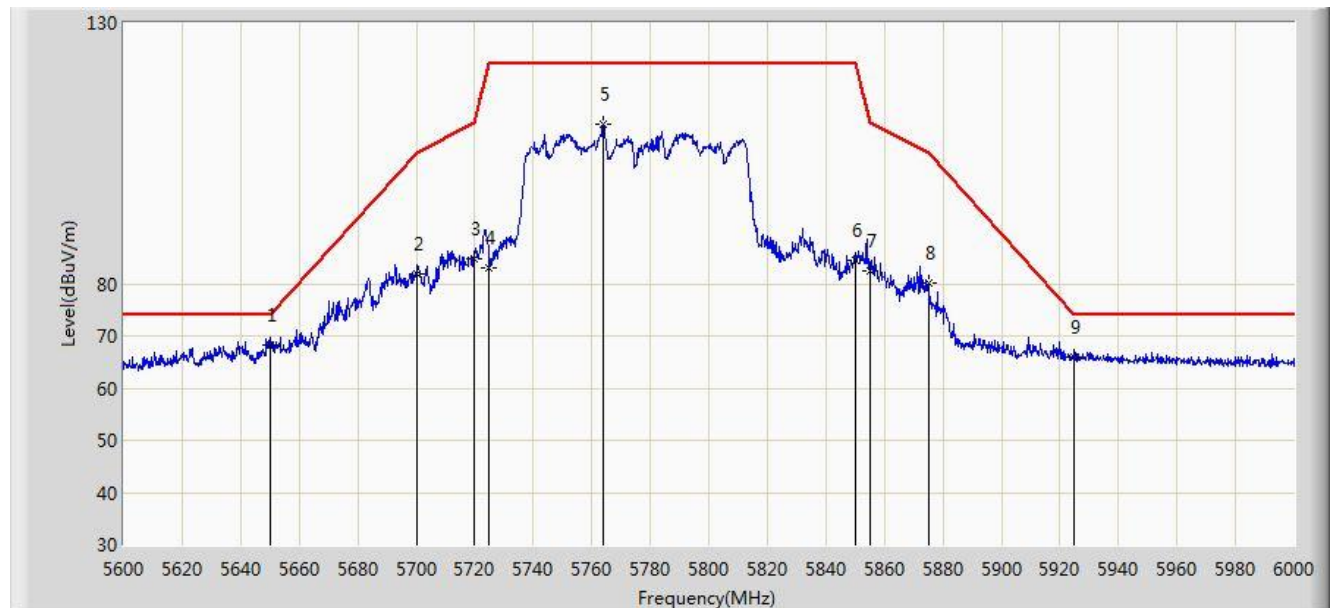


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.590	14.027	-2.410	54.000	37.563	AV
2			5465.000	51.908	14.332	-2.092	54.000	37.575	AV
3			5470.000	51.525	13.936	-2.475	54.000	37.588	AV
4		*	5528.020	78.616	40.954	N/A	N/A	37.661	AV

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/11 - 00:28
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz, Chain 0 + 1 + 2	

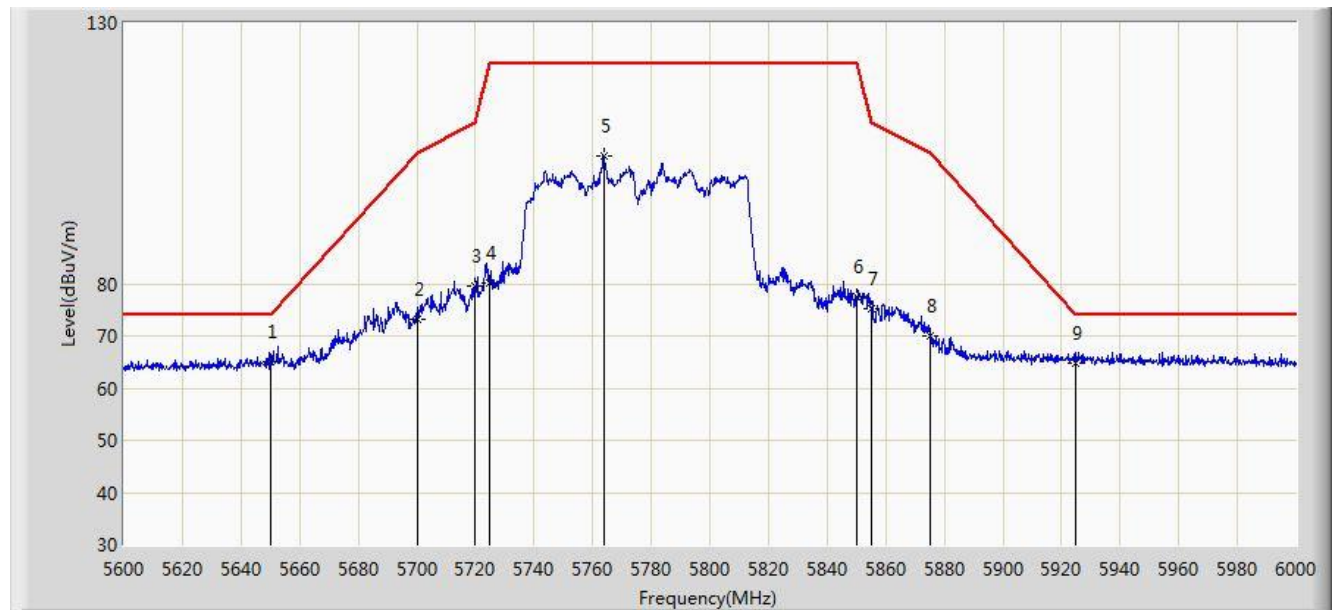


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5650.000	68.292	30.505	-5.708	74.000	37.787	PK
2			5700.000	81.959	44.067	-23.241	105.200	37.892	PK
3			5720.000	84.923	46.954	-25.877	110.800	37.970	PK
4			5725.000	83.167	45.177	-39.033	122.200	37.990	PK
5			5764.000	110.589	72.438	N/A	N/A	38.151	PK
6			5850.000	84.409	45.956	-37.791	122.200	38.454	PK
7			5855.000	82.559	44.094	-28.241	110.800	38.465	PK
8			5875.000	80.051	41.554	-25.149	105.200	38.497	PK
9			5925.000	65.862	27.329	-8.138	74.000	38.533	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: AC1	Time: 2017/05/11 - 00:29
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz, Chain 0 + 1 + 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5650.000	65.123	27.336	-8.877	74.000	37.787	PK
2			5700.000	73.062	35.170	-32.138	105.200	37.892	PK
3			5720.000	79.578	41.609	-31.222	110.800	37.970	PK
4			5725.000	80.050	42.060	-42.150	122.200	37.990	PK
5			5764.000	104.408	66.257	N/A	N/A	38.151	PK
6			5850.000	77.607	39.154	-44.593	122.200	38.454	PK
7			5855.000	75.336	36.871	-35.464	110.800	38.465	PK
8			5875.000	69.891	31.394	-35.309	105.200	38.497	PK
9			5925.000	64.684	26.151	-9.316	74.000	38.533	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

7.10. AC Conducted Emissions Measurement

7.10.1. Test Limit

FCC Part 15.207 & RSS-Gen Issue 4 Section 8.8 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.

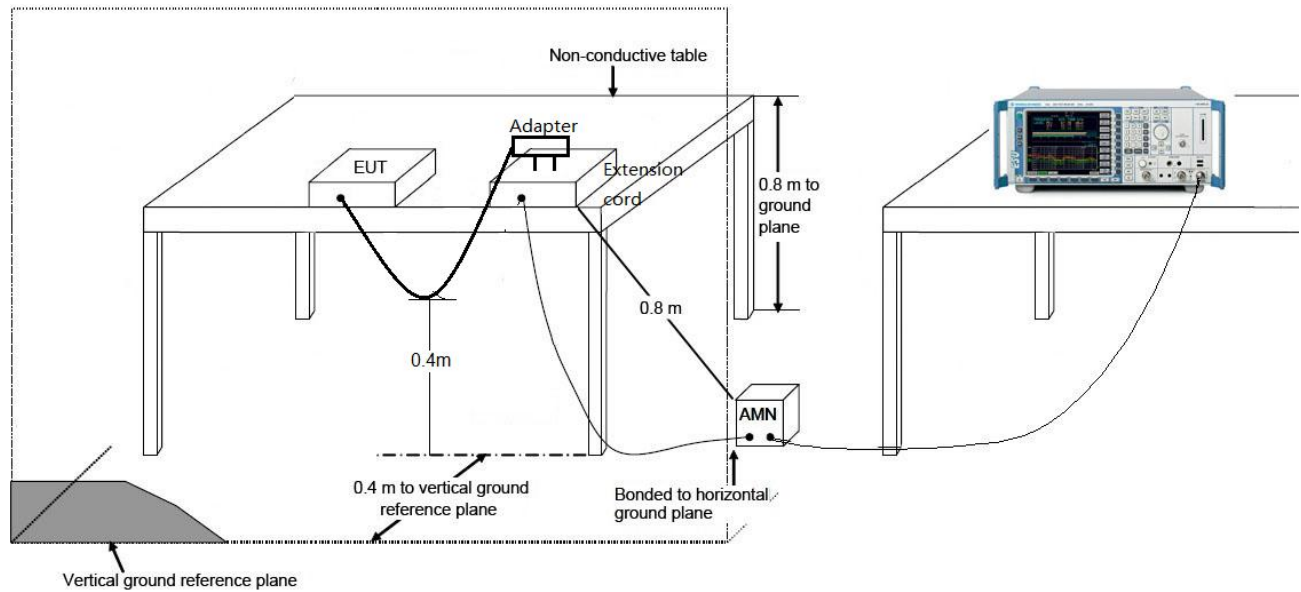
7.10.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

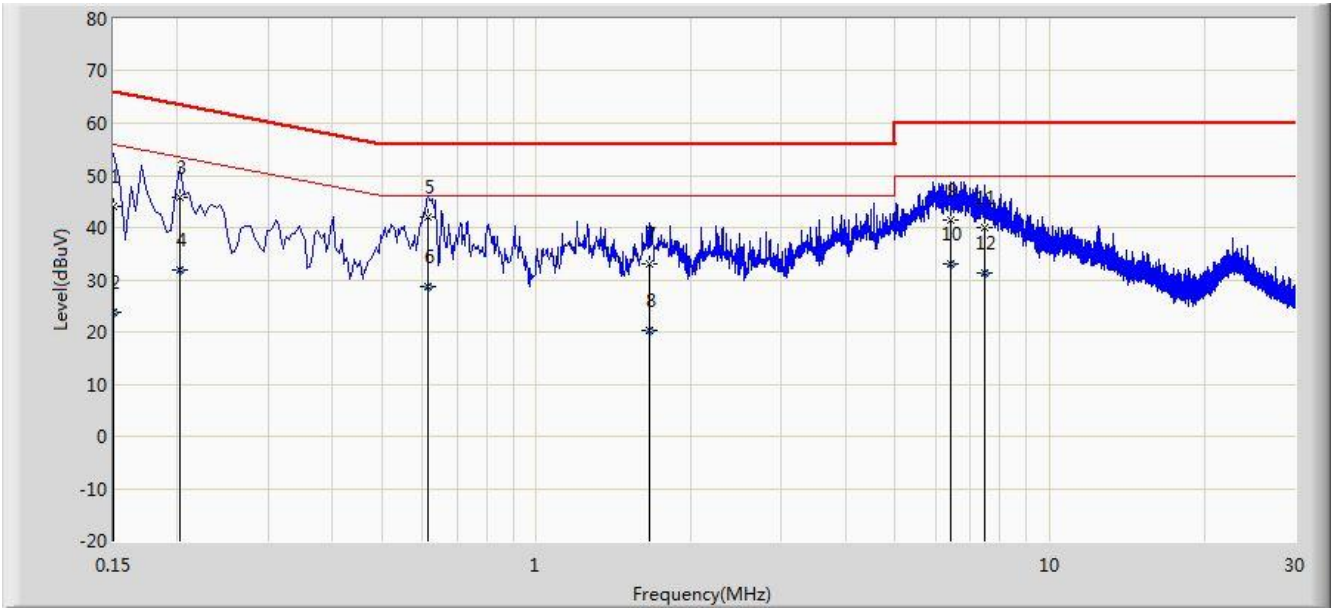
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.10.3.Test Setup



7.10.4.Test Result

Site: SR2	Time: 2017/05/08 - 10:48
Limit: FCC_Part15.207_CE_AC Power	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Mode1	

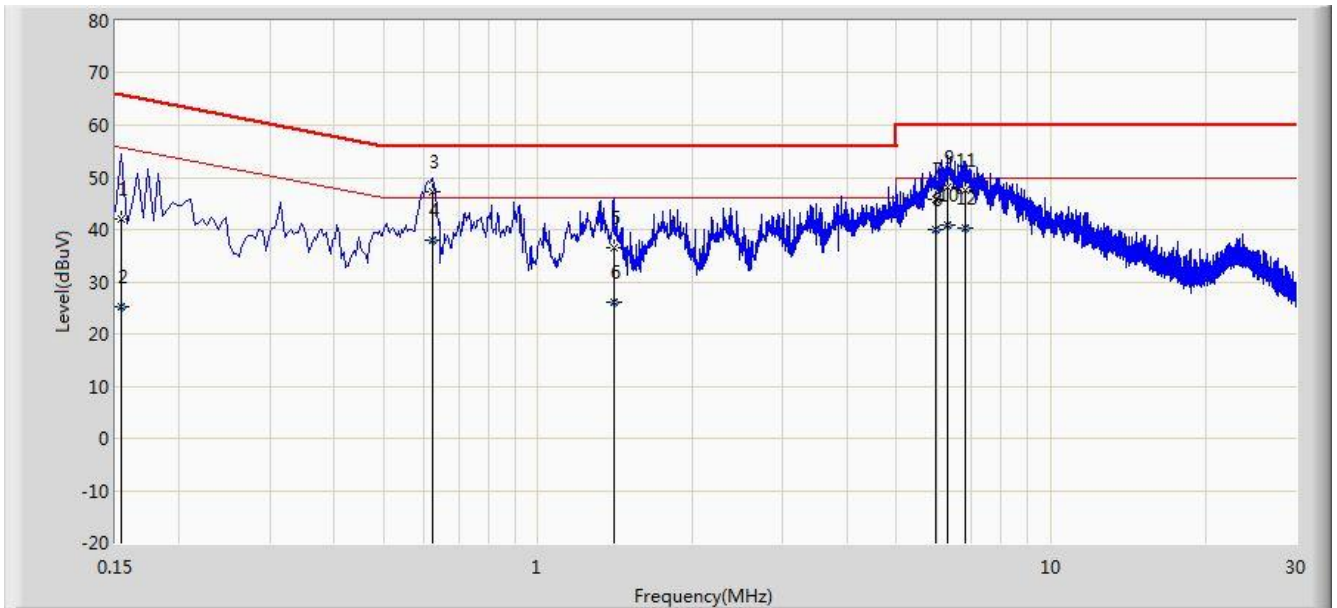


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	44.090	32.921	-21.910	66.000	11.168	QP
2			0.150	23.757	12.589	-32.243	56.000	11.168	AV
3			0.202	45.662	35.669	-17.866	63.528	9.993	QP
4			0.202	31.837	21.844	-21.691	53.528	9.993	AV
5		*	0.614	41.925	31.817	-14.075	56.000	10.108	QP
6			0.614	28.828	18.721	-17.172	46.000	10.108	AV
7			1.662	32.976	23.093	-23.024	56.000	9.883	QP
8			1.662	20.359	10.476	-25.641	46.000	9.883	AV
9			6.426	41.537	31.417	-18.463	60.000	10.120	QP
10			6.426	33.086	22.966	-16.914	50.000	10.120	AV
11			7.482	39.932	29.762	-20.068	60.000	10.170	QP
12			7.482	31.435	21.265	-18.565	50.000	10.170	AV

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

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

Site: SR2	Time: 2017/05/08 - 10:50
Limit: FCC_Part15.207_CE_AC Power	Engineer: Kevin Ker
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: AC1750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	42.139	31.423	-23.643	65.781	10.716	QP
2			0.154	25.161	14.445	-30.620	55.781	10.716	AV
3			0.622	47.119	37.000	-8.881	56.000	10.119	QP
4		*	0.622	37.919	27.800	-8.081	46.000	10.119	AV
5			1.406	36.513	26.620	-19.487	56.000	9.893	QP
6			1.406	25.956	16.063	-20.044	46.000	9.893	AV
7			5.946	45.686	35.562	-14.314	60.000	10.125	QP
8			5.946	39.896	29.771	-10.104	50.000	10.125	AV
9			6.282	48.042	37.900	-11.958	60.000	10.142	QP
10			6.282	40.942	30.800	-9.058	50.000	10.142	AV
11			6.806	47.399	37.236	-12.601	60.000	10.164	QP
12			6.806	40.324	30.161	-9.676	50.000	10.164	AV

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

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **AC1750 Wi-Fi Range Extender** is in compliance with Part 15E of the FCC Rules.

The End