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Appendix for 5GHz WIFI

Applicant: Videostrong Technology Co.,Ltd

**Address: 604, Lushi industrial Building, 28 District, Bao'an
District, Shenzhen, China**

Product Name: Android TV Box

**Model: KA2, KA1, KA1 PRO, KA2 PRO, KA3, KA3 PRO, KA5, KA5
PRO, KA6, OC-STB-01, OC-STB-02, OC-STB-03**

FCC ID: 2AGKB-KA1235

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Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Freq[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	Ant1	5180	18.480	5170.680	5189.160	PASS
	Ant2	5180	18.520	5170.760	5189.280	PASS
	Ant1	5200	24.560	5188.240	5212.800	PASS
	Ant2	5200	18.440	5190.760	5209.200	PASS
	Ant1	5240	23.960	5228.640	5252.600	PASS
	Ant2	5240	18.560	5230.760	5249.320	PASS
	Ant1	5745	18.400	5735.840	5754.240	PASS
	Ant2	5745	18.520	5735.800	5754.320	PASS
	Ant1	5785	18.920	5775.760	5794.680	PASS
	Ant2	5785	18.440	5775.760	5794.200	PASS
	Ant1	5825	18.360	5815.800	5834.160	PASS
	Ant2	5825	18.760	5815.720	5834.480	PASS
802.11n(HT20)	Ant1	5180	19.320	5170.320	5189.640	PASS
	Ant2	5180	19.440	5170.360	5189.800	PASS
	Ant1	5200	19.480	5190.200	5209.680	PASS
	Ant2	5200	19.600	5190.200	5209.800	PASS
	Ant1	5240	19.280	5230.320	5249.600	PASS
	Ant2	5240	19.600	5230.240	5249.840	PASS
	Ant1	5745	19.360	5735.240	5754.600	PASS
	Ant2	5745	19.440	5735.360	5754.800	PASS
	Ant1	5785	19.560	5775.160	5794.720	PASS
	Ant2	5785	19.280	5775.400	5794.680	PASS
	Ant1	5825	19.360	5815.320	5834.680	PASS
	Ant2	5825	19.360	5815.280	5834.640	PASS
802.11n(HT40)	Ant1	5190	41.680	5169.360	5211.040	PASS
	Ant2	5190	40.800	5169.360	5210.160	PASS
	Ant1	5230	41.360	5209.680	5251.040	PASS
	Ant2	5230	41.200	5209.200	5250.400	PASS
	Ant1	5755	41.280	5734.360	5775.640	PASS
	Ant2	5755	41.200	5734.520	5775.720	PASS
	Ant1	5795	41.520	5774.280	5815.800	PASS
	Ant2	5795	41.520	5774.200	5815.720	PASS
802.11ac(VHT20)	Ant1	5180	19.520	5170.240	5189.760	PASS
	Ant2	5180	19.520	5170.240	5189.760	PASS
	Ant1	5200	19.480	5190.240	5209.720	PASS
	Ant2	5200	19.320	5190.320	5209.640	PASS
	Ant1	5240	19.400	5230.320	5249.720	PASS
	Ant2	5240	19.480	5230.240	5249.720	PASS
	Ant1	5745	19.480	5735.360	5754.840	PASS
	Ant2	5745	19.280	5735.320	5754.600	PASS
	Ant1	5785	19.360	5775.280	5794.640	PASS

	Ant2	5785	19.280	5775.400	5794.680	PASS
	Ant1	5825	19.320	5815.280	5834.600	PASS
	Ant2	5825	19.400	5815.280	5834.680	PASS
802.11ac(VHT40)	Ant1	5190	40.800	5169.520	5210.320	PASS
	Ant2	5190	40.720	5169.680	5210.400	PASS
	Ant1	5230	40.640	5209.280	5249.920	PASS
	Ant2	5230	40.800	5209.360	5250.160	PASS
	Ant1	5755	40.800	5734.360	5775.160	PASS
	Ant2	5755	40.480	5734.840	5775.320	PASS
	Ant1	5795	41.040	5774.040	5815.080	PASS
	Ant2	5795	40.640	5774.520	5815.160	PASS
802.11ac(VHT80)	Ant1	5210	80.960	5169.680	5250.640	PASS
	Ant2	5210	80.480	5169.840	5250.320	PASS
	Ant1	5775	80.800	5734.360	5815.160	PASS
	Ant2	5775	80.640	5734.520	5815.160	PASS

Test Graphs

802.11a_Ant1_5180



802.11a_Ant2_5180



802.11a_Ant1_5200



802.11a_Ant2_5200



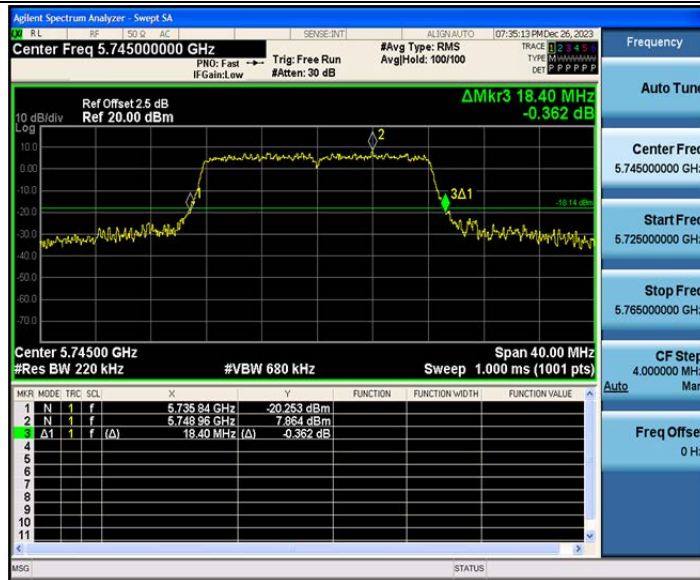
802.11a_Ant1_5240



802.11a_Ant2_5240



802.11a_Ant1_5745



802.11a_Ant2_5745



802.11a_Ant1_5785



802.11a_Ant2_5785



802.11a_Ant1_5825



802.11a_Ant2_5825



802.11n(HT20)_Ant1_5180



802.11n(HT20)_Ant2_5180



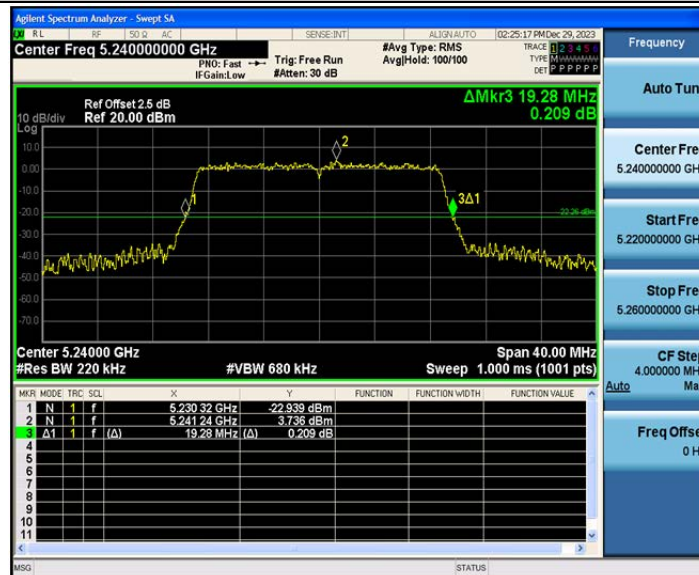
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802.11n(HT20)_Ant2_5200



802.11n(HT20)_Ant1_5240



802.11n(HT20)_Ant2_5240



802.11n(HT20)_Ant1_5745



802.11n(HT20)_Ant2_5745



802.11n(HT20)_Ant1_5785



802.11n(HT20)_Ant2_5785



802.11n(HT20)_Ant1_5825



802.11n(HT20)_Ant2_5825



802.11n(HT40)_Ant1_5190



802.11n(HT40)_Ant2_5190



802.11n(HT40)_Ant1_5230



802.11n(HT40)_Ant2_5230



802.11n(HT40)_Ant1_5755



802.11n(HT40)_Ant2_5755



802.11n(HT40)_Ant1_5795



802.11n(HT40)_Ant2_5795



802.11ac(VHT20)_Ant1_5180



802.11ac(VHT20)_Ant2_5180



802.11ac(VHT20)_Ant1_5200



802.11ac(VHT20)_Ant2_5200



802.11ac(VHT20)_Ant1_5240



802.11ac(VHT20)_Ant2_5240



802.11ac(VHT20)_Ant1_5745



802.11ac(VHT20)_Ant2_5745



802.11ac(VHT20)_Ant1_5785



802.11ac(VHT20)_Ant2_5785



802.11ac(VHT20)_Ant1_5825



802.11ac(VHT20)_Ant2_5825



802.11ac(VHT40)_Ant1_5190



802.11ac(VHT40)_Ant2_5190



802.11ac(VHT40)_Ant1_5230



802.11ac(VHT40)_Ant2_5230



802.11ac(VHT40)_Ant1_5755



802.11ac(VHT40)_Ant2_5755



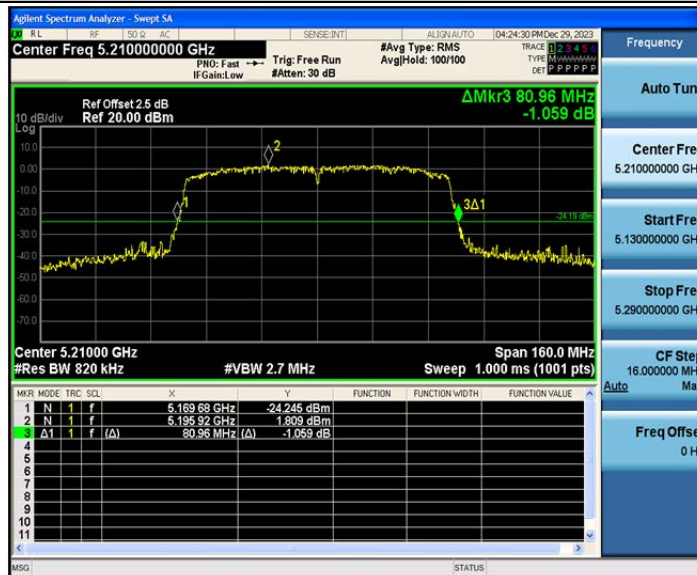
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802.11ac(VHT40)_Ant2_5795



802.11ac(VHT80)_Ant1_5210



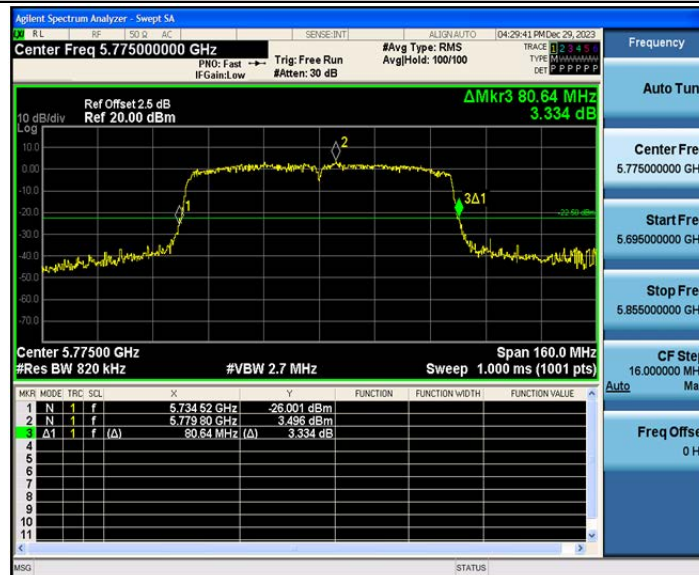
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802.11ac(VHT80)_Ant1_5775



802.11ac(VHT80)_Ant2_5775



Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Freq[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	Ant1	5180	16.531	5171.7360	5188.2670	PASS
	Ant2	5180	16.482	5171.7495	5188.2315	PASS
	Ant1	5200	16.686	5191.6892	5208.3752	PASS
	Ant2	5200	16.479	5191.7496	5208.2286	PASS
	Ant1	5240	16.649	5231.6870	5248.3360	PASS
	Ant2	5240	16.489	5231.7528	5248.2418	PASS
	Ant1	5745	16.513	5736.7413	5753.2543	PASS
	Ant2	5745	16.494	5736.7402	5753.2342	PASS
	Ant1	5785	16.524	5776.7139	5793.2379	PASS
	Ant2	5785	16.528	5776.7305	5793.2585	PASS
	Ant1	5825	16.509	5816.7513	5833.2603	PASS
	Ant2	5825	16.568	5816.7183	5833.2863	PASS
802.11n(HT20)	Ant1	5180	17.628	5171.1795	5188.8075	PASS
	Ant2	5180	17.633	5171.1726	5188.8056	PASS
	Ant1	5200	17.641	5191.1675	5208.8085	PASS
	Ant2	5200	17.634	5191.1653	5208.7993	PASS
	Ant1	5240	17.642	5231.1728	5248.8148	PASS
	Ant2	5240	17.624	5231.1868	5248.8108	PASS
	Ant1	5745	17.643	5736.1577	5753.8007	PASS
	Ant2	5745	17.625	5736.1769	5753.8019	PASS
	Ant1	5785	17.623	5776.1538	5793.7768	PASS
	Ant2	5785	17.625	5776.1712	5793.7962	PASS
	Ant1	5825	17.633	5816.1795	5833.8125	PASS
	Ant2	5825	17.615	5816.1864	5833.8014	PASS
802.11n(HT40)	Ant1	5190	36.604	5171.7129	5208.3169	PASS
	Ant2	5190	36.470	5171.7338	5208.2038	PASS
	Ant1	5230	36.441	5211.7136	5248.1546	PASS
	Ant2	5230	36.444	5211.7371	5248.1811	PASS
	Ant1	5755	36.407	5736.7039	5773.1109	PASS
	Ant2	5755	36.518	5736.7497	5773.2677	PASS
	Ant1	5795	36.483	5776.6716	5813.1546	PASS
	Ant2	5795	36.544	5776.7059	5813.2499	PASS
802.11ac(VHT20)	Ant1	5180	17.621	5171.1807	5188.8017	PASS
	Ant2	5180	17.617	5171.1718	5188.7888	PASS
	Ant1	5200	17.636	5191.1708	5208.8068	PASS
	Ant2	5200	17.623	5191.1649	5208.7879	PASS
	Ant1	5240	17.621	5231.1770	5248.7980	PASS
	Ant2	5240	17.615	5231.1806	5248.7956	PASS
	Ant1	5745	17.615	5736.1672	5753.7822	PASS
	Ant2	5745	17.617	5736.1761	5753.7931	PASS
	Ant1	5785	17.634	5776.1450	5793.7790	PASS

	Ant2	5785	17.621	5776.1765	5793.7975	PASS
	Ant1	5825	17.633	5816.1845	5833.8175	PASS
	Ant2	5825	17.618	5816.1828	5833.8008	PASS
802.11ac(VHT40)	Ant1	5190	36.300	5171.8898	5208.1898	PASS
	Ant2	5190	36.268	5171.8370	5208.1050	PASS
	Ant1	5230	36.382	5211.8158	5248.1978	PASS
	Ant2	5230	36.361	5211.8086	5248.1696	PASS
	Ant1	5755	36.352	5736.7751	5773.1271	PASS
	Ant2	5755	36.263	5736.8485	5773.1115	PASS
	Ant1	5795	36.440	5776.7175	5813.1575	PASS
	Ant2	5795	36.330	5776.8438	5813.1738	PASS
802.11ac(VHT80)	Ant1	5210	74.600	5172.8516	5247.4516	PASS
	Ant2	5210	74.837	5172.5800	5247.4170	PASS
	Ant1	5775	74.608	5737.5558	5812.1638	PASS
	Ant2	5775	74.773	5737.7159	5812.4889	PASS

Test Graphs

802.11a_Ant1_5180



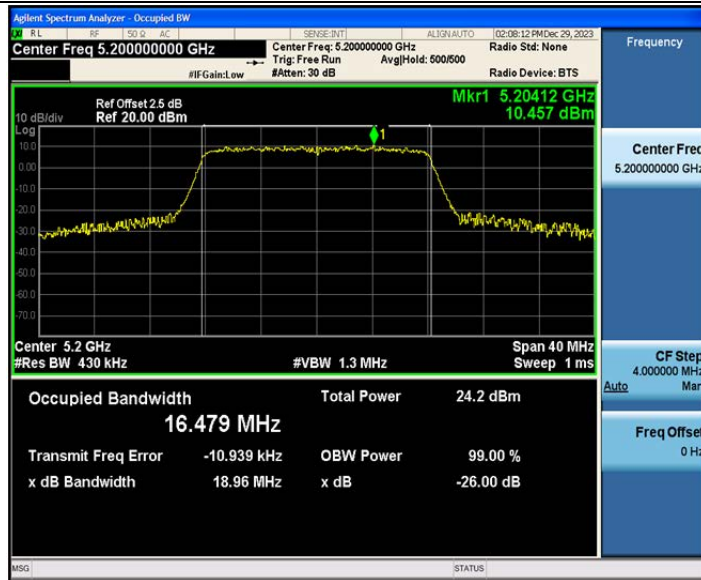
802.11a_Ant2_5180



802.11a_Ant1_5200



802.11a_Ant2_5200



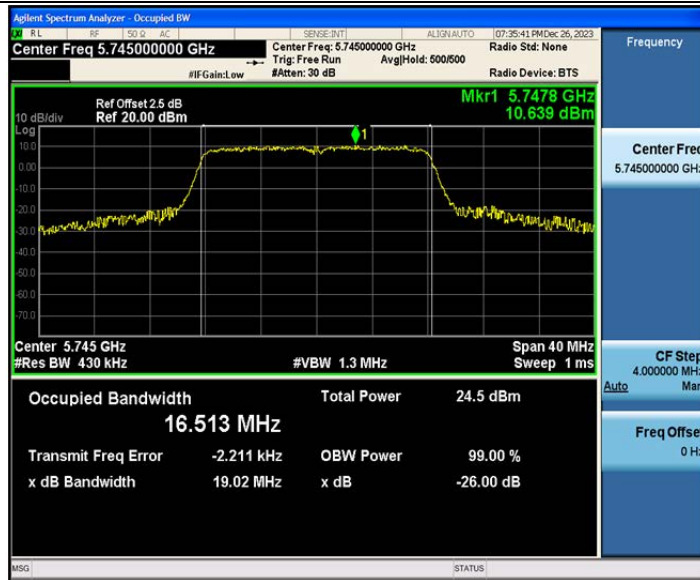
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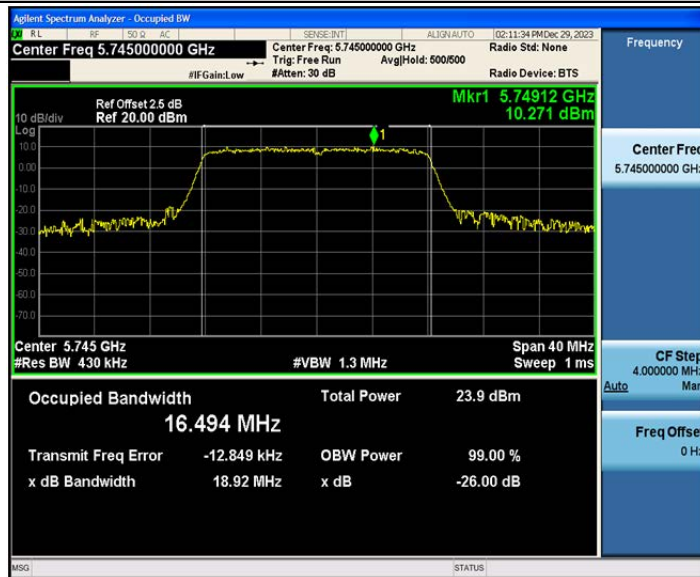
802.11a_Ant2_5240



802.11a_Ant1_5745



802.11a_Ant2_5745



802.11a_Ant1_5785



802.11a_Ant2_5785



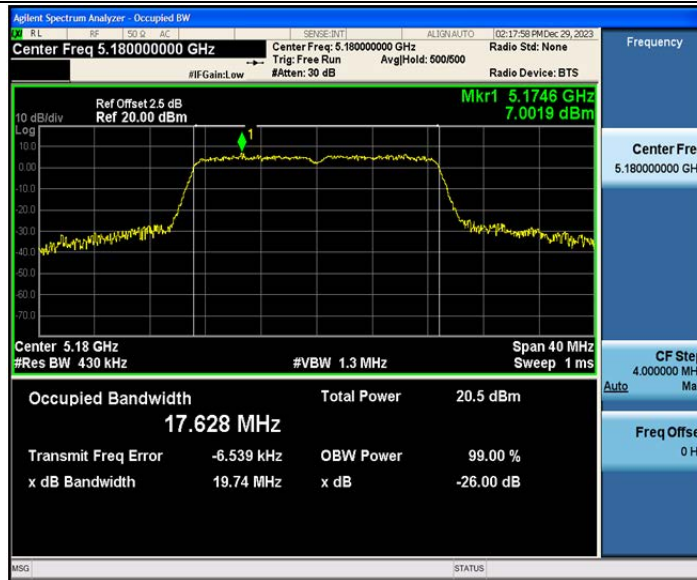
802.11a_Ant1_5825



802.11a_Ant2_5825



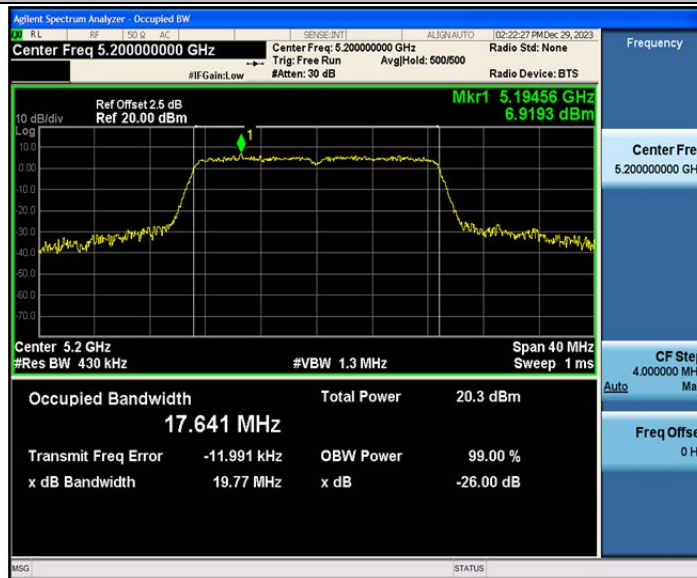
802.11n(HT20)_Ant1_5180



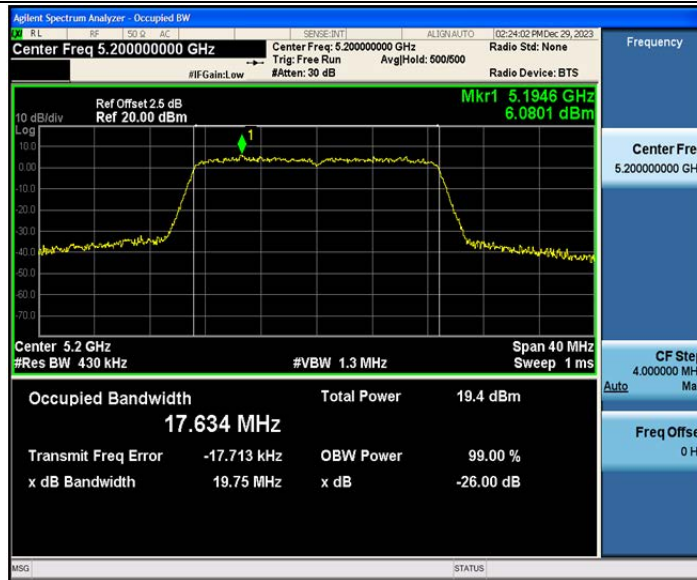
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802.11n(HT20)_Ant1_5200



802.11n(HT20)_Ant2_5200



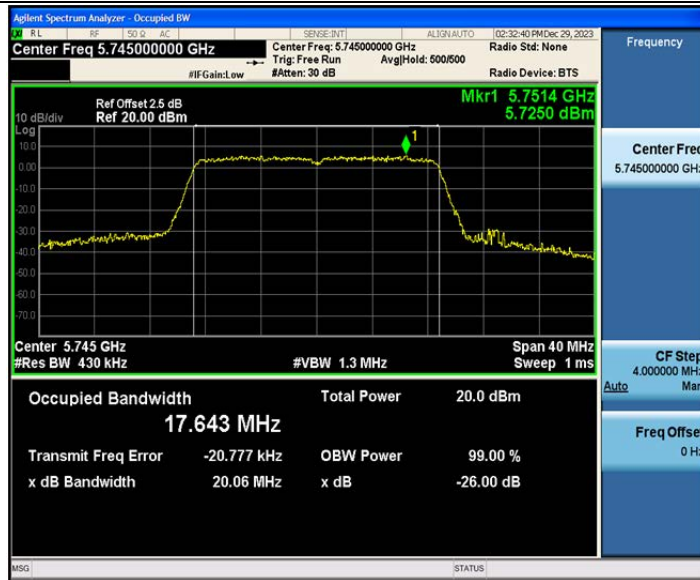
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802.11n(HT20)_Ant2_5240



802.11n(HT20)_Ant1_5745



802.11n(HT20)_Ant2_5745



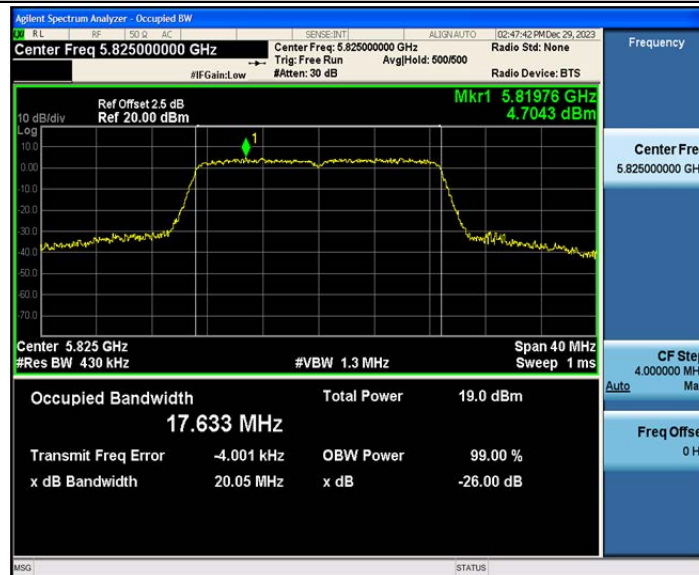
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802.11n(HT20)_Ant2_5785



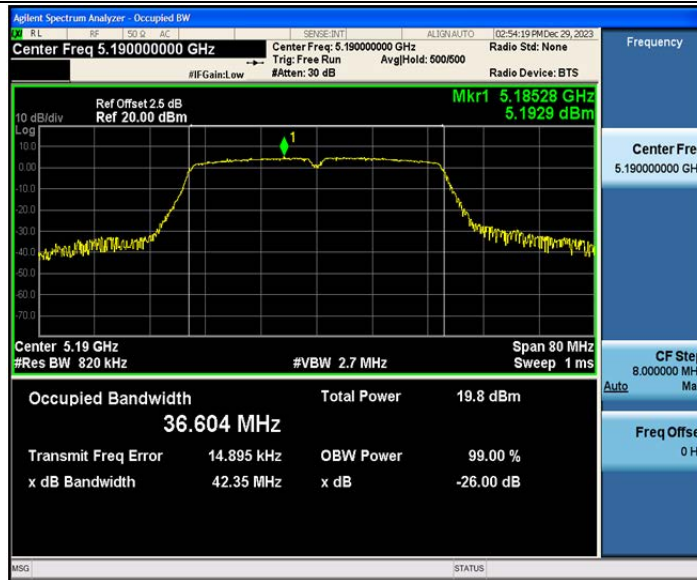
802.11n(HT20)_Ant1_5825



802.11n(HT20)_Ant2_5825



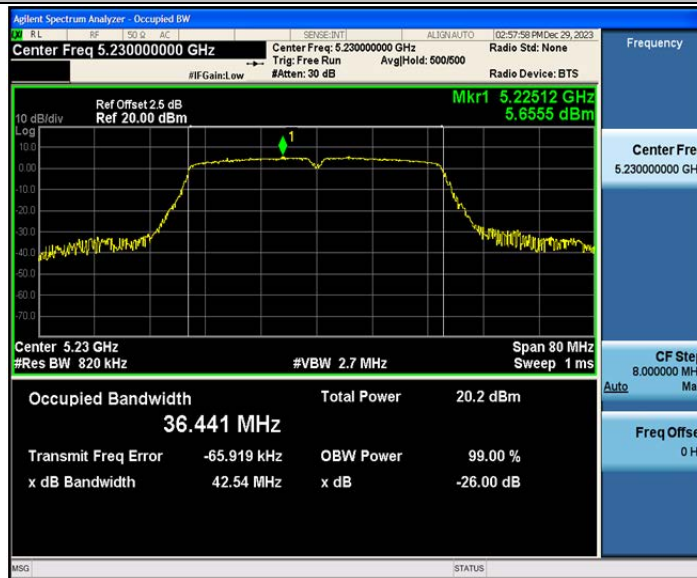
802.11n(HT40)_Ant1_5190



802.11n(HT40)_Ant2_5190



802.11n(HT40)_Ant1_5230



802.11n(HT40)_Ant2_5230