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Appendix for 5G WIFI

Applicant: Imin Technology Pte Ltd

**Address: 11 Bishan Street 21, #03-05 Bosch Building, Singapore
573943**

Product Name: Mobile POS

Model: I21M02

FCC ID: 2AYD5-I21M02

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Appendix A1: Emission Bandwidth

Test Result

Test Mode	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	5180	32.720	5164.600	5197.320	PASS
	5200	33.200	5183.280	5216.480	PASS
	5240	29.280	5225.160	5254.440	PASS
	5260	29.760	5246.600	5276.360	PASS
	5280	29.640	5265.400	5295.040	PASS
	5320	27.120	5306.680	5333.800	PASS
	5500	26.880	5487.520	5514.400	PASS
	5580	33.480	5563.960	5597.440	PASS
	5700	27.840	5686.720	5714.560	PASS
	5745	26.280	5731.840	5758.120	PASS
	5785	27.640	5770.280	5797.920	PASS
	5825	26.800	5813.520	5840.320	PASS
802.11n(HT20)	5180	38.560	5160.560	5199.120	PASS
	5200	32.200	5183.760	5215.960	PASS
	5240	31.680	5224.800	5256.480	PASS
	5260	32.000	5243.920	5275.920	PASS
	5280	31.880	5262.920	5294.800	PASS
	5320	29.560	5305.520	5335.080	PASS
	5500	34.560	5482.920	5517.480	PASS
	5580	35.720	5562.720	5598.440	PASS
	5700	33.920	5682.840	5716.760	PASS
	5745	31.920	5727.840	5759.760	PASS
	5785	30.200	5770.040	5800.240	PASS
	5825	28.760	5810.320	5839.080	PASS
802.11n(HT40)	5190	41.920	5169.840	5211.760	PASS
	5230	46.400	5210.240	5256.640	PASS
	5270	51.600	5242.800	5294.400	PASS
	5310	53.200	5283.040	5336.240	PASS
	5510	55.440	5481.360	5536.800	PASS
	5550	64.880	5521.840	5586.720	PASS
	5670	50.960	5643.680	5694.640	PASS
	5755	54.240	5727.880	5782.120	PASS
	5795	47.840	5774.120	5821.960	PASS
802.11ac(VHT20)	5180	34.000	5164.040	5198.040	PASS
	5200	37.080	5180.960	5218.040	PASS
	5240	32.840	5223.840	5256.680	PASS
	5260	32.200	5243.320	5275.520	PASS
	5280	31.240	5264.880	5296.120	PASS
	5320	29.680	5304.400	5334.080	PASS
	5500	33.240	5484.680	5517.920	PASS
	5580	33.880	5563.640	5597.520	PASS

	5700	30.880	5683.560	5714.440	PASS
	5745	30.240	5729.000	5759.240	PASS
	5785	29.320	5771.160	5800.480	PASS
	5825	30.000	5810.920	5840.920	PASS
802.11ac(VHT40)	5190	69.120	5158.320	5227.440	PASS
	5230	63.360	5201.680	5265.040	PASS
	5270	52.080	5244.640	5296.720	PASS
	5310	43.040	5287.360	5330.400	PASS
	5510	65.520	5482.000	5547.520	PASS
	5550	66.080	5521.440	5587.520	PASS
	5670	57.760	5639.360	5697.120	PASS
	5755	46.880	5730.600	5777.480	PASS
	5795	48.800	5770.760	5819.560	PASS
802.11ac(VHT80)	5210	87.040	5167.120	5254.160	PASS
	5290	87.680	5246.640	5334.320	PASS
	5530	95.200	5475.440	5570.640	PASS
	5610	88.000	5563.440	5651.440	PASS
	5775	84.960	5734.360	5819.320	PASS

Test Graphs

802.11a_5180



802.11a_5200



802.11a_5240



802.11a_5260



802.11a_5280



802.11a_5320



802.11a_5500



802.11a_5580



802.11a_5700



802.11a_5745



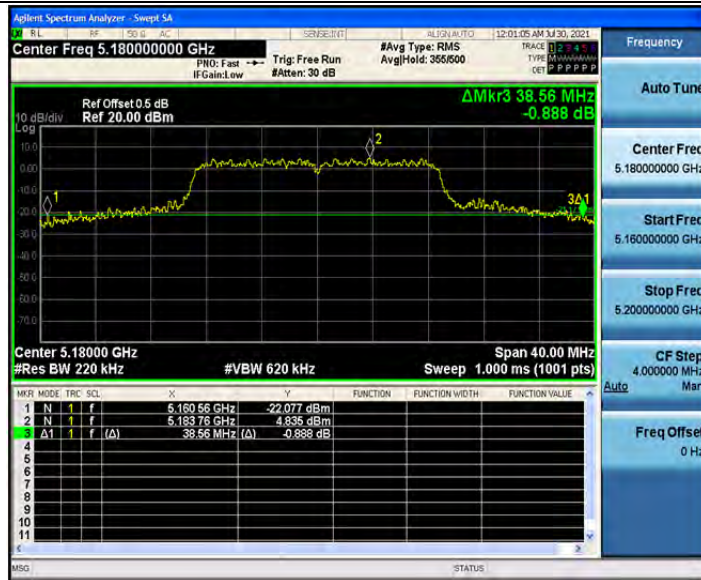
802.11a_5785



802.11a_5825



802.11n(HT20)_5180



802.11n(HT20)_5200



802.11n(HT20)_5240



802.11n(HT20)_5260



802.11n(HT20)_5280



802.11n(HT20)_5320



802.11n(HT20)_5500



802.11n(HT20)_5580



802.11n(HT20)_5700



802.11n(HT20)_5745



802.11n(HT20)_5785



802.11n(HT20)_5825



802.11n(HT40)_5190



802.11n(HT40)_5230



802.11n(HT40)_5270



802.11n(HT40)_5310



802.11n(HT40)_5510



802.11n(HT40)_5550



802.11n(HT40)_5670



802.11n(HT40)_5755



802.11n(HT40)_5795



802.11ac(VHT20)_5260



802.11ac(VHT20)_5280



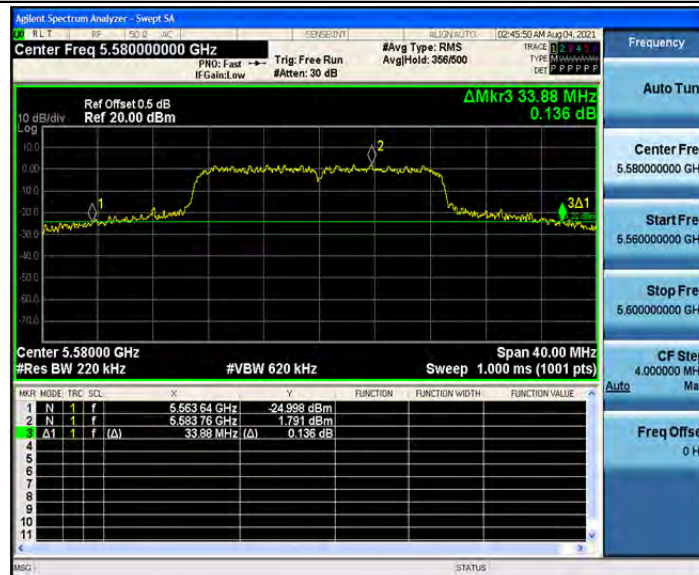
802.11ac(VHT20)_5320



802.11ac(VHT20)_5500



802.11ac(VHT20)_5580



802.11ac(VHT20)_5700



802.11ac(VHT20)_5180



802.11ac(VHT20)_5200



802.11ac(VHT20)_5240



802.11ac(VHT20)_5745



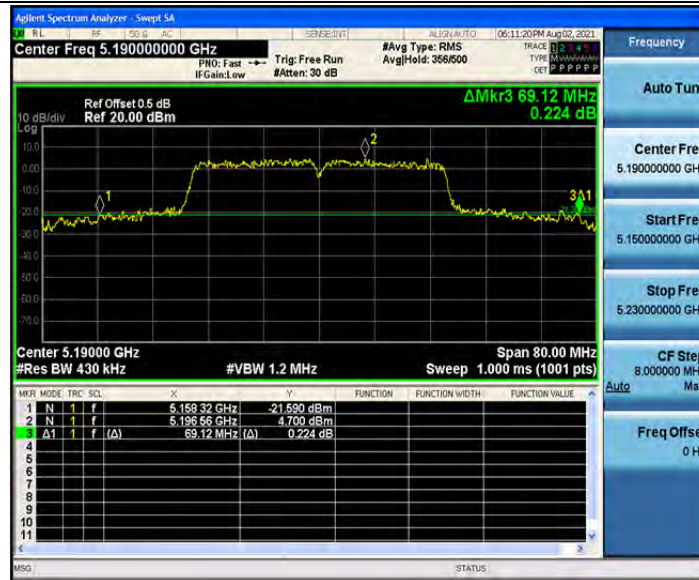
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802.11ac(VHT20)_5825



802.11ac(VHT40)_5190



802.11ac(VHT40)_5230



802.11ac(VHT40)_5270



802.11ac(VHT40)_5310



802.11ac(VHT40)_5510



802.11ac(VHT40)_5550



802.11ac(VHT40)_5670



802.11ac(VHT40)_5755



802.11ac(VHT40)_5795



802.11ac(VHT80)_5210



802.11ac(VHT80)_5290



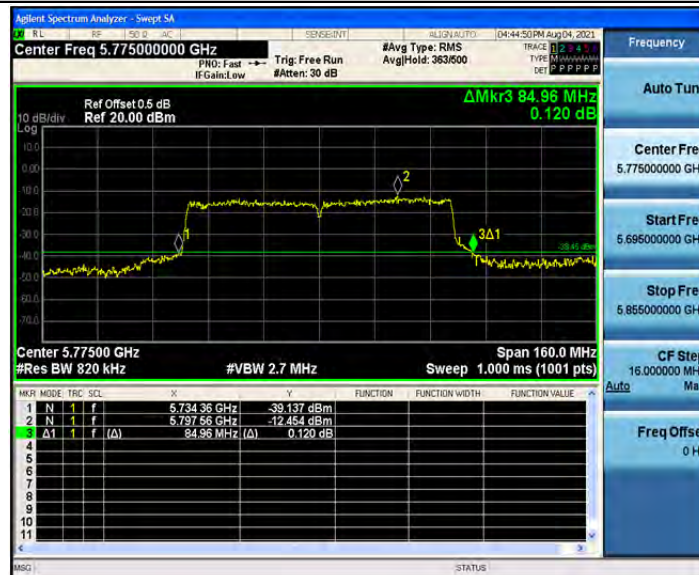
802.11ac(VHT80)_5530



802.11ac(VHT80)_5610



802.11ac(VHT80)_5775



Appendix A2: Occupied channel bandwidth

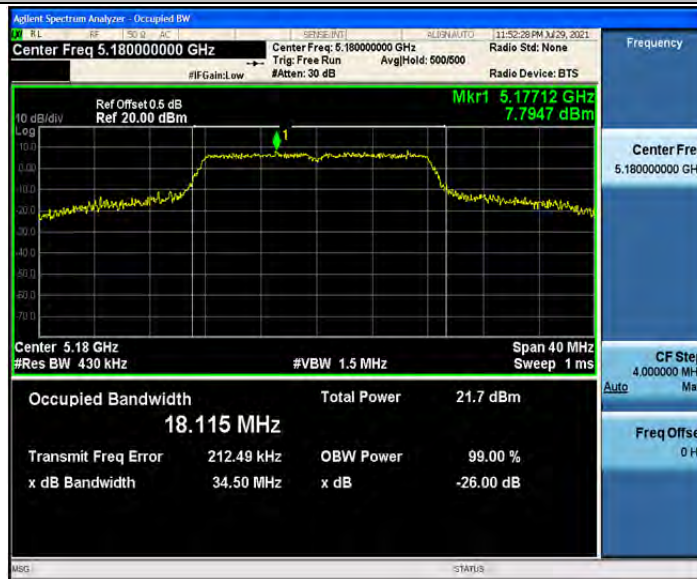
Test Result

Test Mode	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
802.11a	5180	18.115	5171.155	5189.270	PASS
	5200	18.002	5191.093	5209.095	PASS
	5240	17.522	5231.180	5248.702	PASS
	5260	17.277	5251.360	5268.637	PASS
	5280	17.209	5271.386	5288.595	PASS
	5320	17.184	5311.371	5328.555	PASS
	5500	17.396	5491.351	5508.747	PASS
	5580	18.319	5571.112	5589.431	PASS
	5700	17.170	5691.396	5708.566	PASS
	5745	17.198	5736.396	5753.594	PASS
	5785	17.232	5776.384	5793.616	PASS
	5825	17.242	5816.374	5833.616	PASS
802.11n(HT20)	5180	18.968	5170.772	5189.740	PASS
	5200	18.322	5190.872	5209.194	PASS
	5240	18.175	5230.913	5249.088	PASS
	5260	18.254	5250.889	5269.143	PASS
	5280	18.179	5270.913	5289.092	PASS
	5320	18.000	5310.987	5328.987	PASS
	5500	18.234	5490.969	5509.203	PASS
	5580	18.625	5570.790	5589.415	PASS
	5700	18.092	5690.929	5709.021	PASS
	5745	18.046	5735.965	5754.011	PASS
	5785	18.103	5775.941	5794.044	PASS
	5825	18.003	5816.013	5834.016	PASS
802.11n(HT40)	5190	36.429	5171.771	5208.200	PASS
	5230	36.473	5211.761	5248.234	PASS
	5270	36.589	5251.628	5288.217	PASS
	5310	36.509	5291.660	5328.169	PASS
	5510	36.582	5491.562	5528.144	PASS
	5550	36.998	5531.643	5568.641	PASS
	5670	36.687	5651.611	5688.298	PASS
	5755	36.543	5736.674	5773.217	PASS
	5795	36.542	5776.712	5813.254	PASS
802.11ac(VHT20)	5180	18.404	5170.824	5189.228	PASS
	5200	18.305	5190.855	5209.160	PASS
	5240	18.276	5230.852	5249.128	PASS
	5260	18.192	5250.884	5269.076	PASS
	5280	18.168	5270.894	5289.062	PASS
	5320	18.038	5310.953	5328.991	PASS
	5500	18.343	5490.867	5509.210	PASS
	5580	18.900	5570.750	5589.650	PASS

	5700	18.083	5690.934	5709.017	PASS
	5745	18.094	5735.962	5754.056	PASS
	5785	18.053	5775.984	5794.037	PASS
	5825	18.040	5815.997	5834.037	PASS
802.11ac(VHT40)	5190	36.802	5171.589	5208.391	PASS
	5230	36.725	5211.601	5248.326	PASS
	5270	36.555	5251.618	5288.173	PASS
	5310	36.429	5291.680	5328.109	PASS
	5510	36.814	5491.683	5528.497	PASS
	5550	37.027	5531.608	5568.635	PASS
	5670	36.701	5651.520	5688.221	PASS
	5755	36.619	5736.606	5773.225	PASS
	5795	36.567	5776.672	5813.239	PASS
802.11ac(VHT80)	5210	76.028	5172.031	5248.059	PASS
	5290	76.043	5251.891	5327.934	PASS
	5530	76.341	5491.490	5567.831	PASS
	5610	76.244	5571.636	5647.880	PASS
	5775	76.208	5737.172	5813.380	PASS

Test Graphs

802.11a_5180



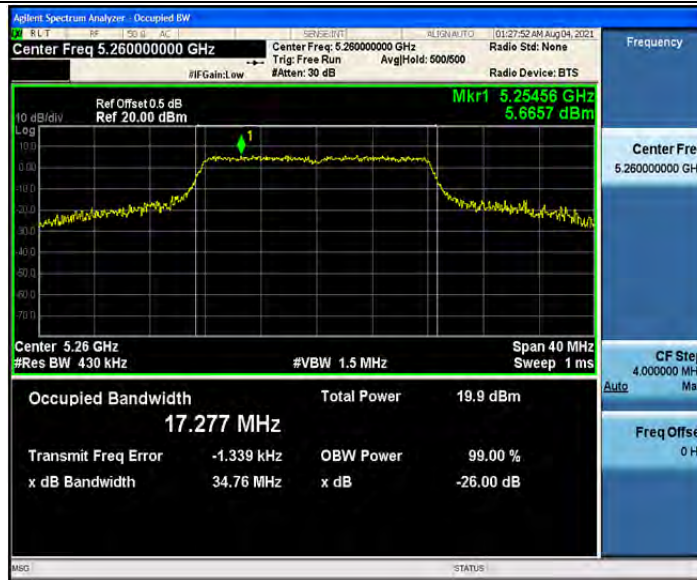
802.11a_5200



802.11a_5240



802.11a_5260



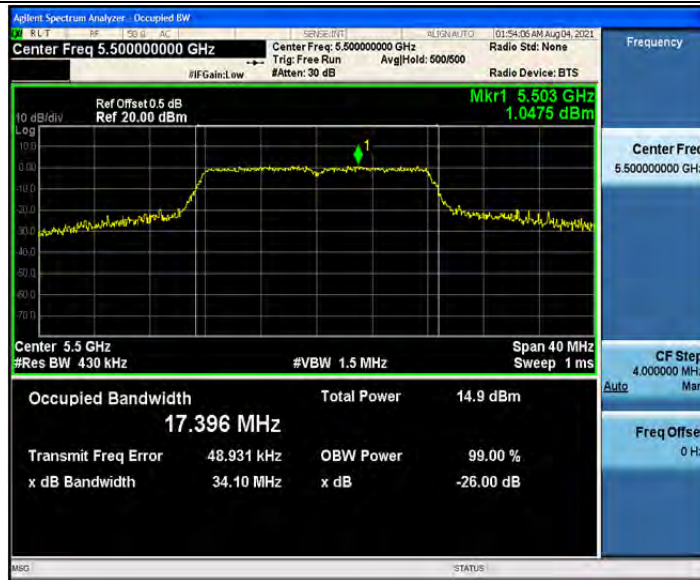
802.11a_5280



802.11a_5320



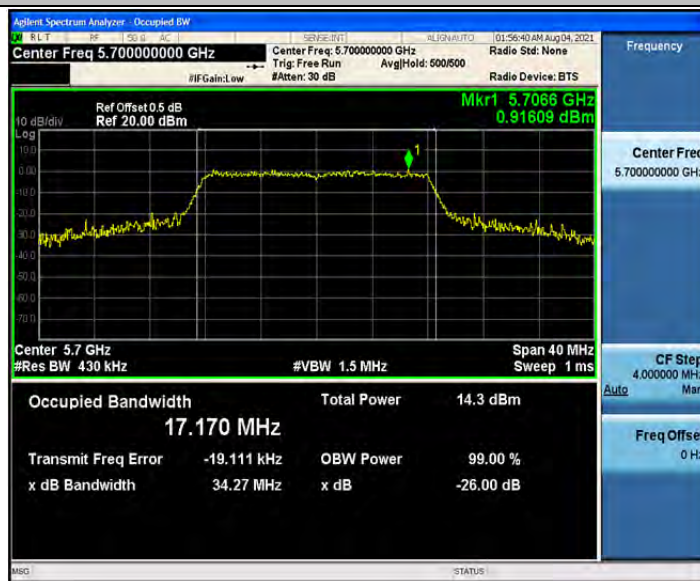
802.11a_5500



802.11a_5580



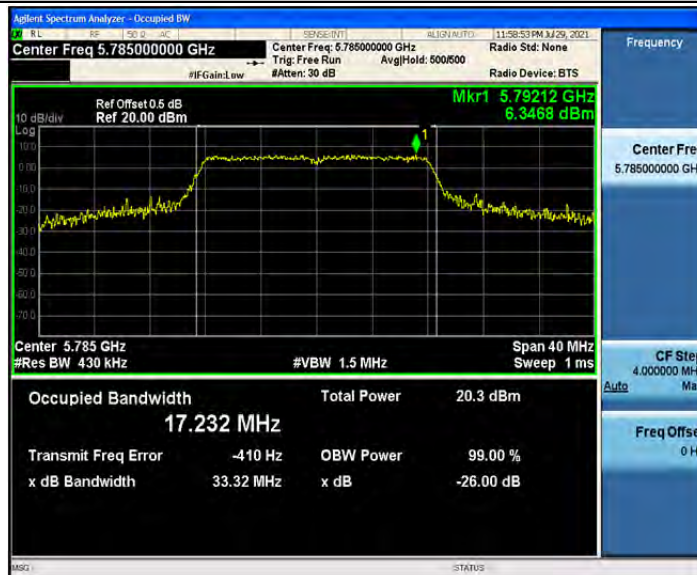
802.11a_5700



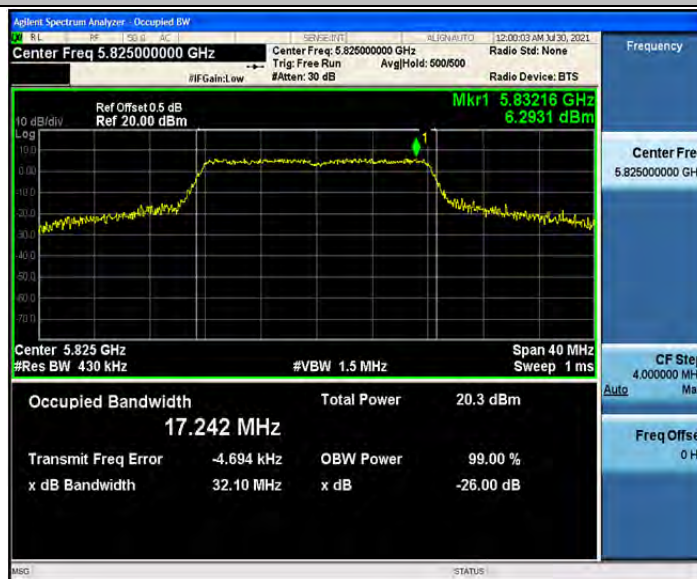
802.11a_5745



802.11a_5785



802.11a_5825



802.11n(HT20)_5180



802.11n(HT20)_5200



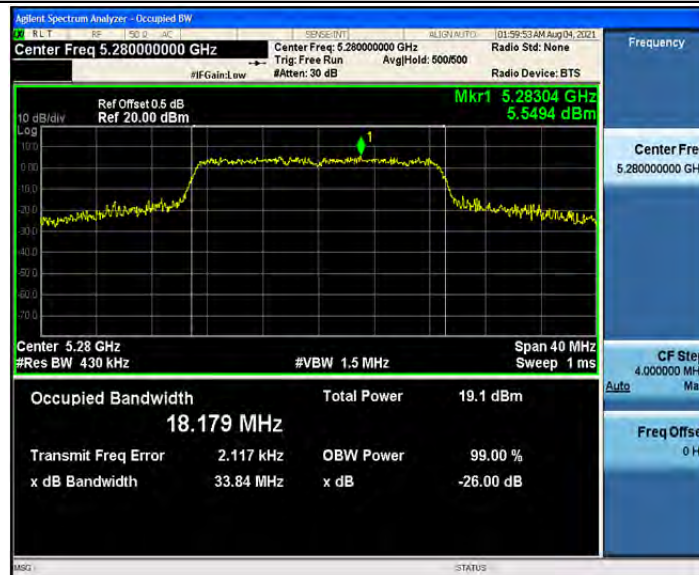
802.11n(HT20)_5240



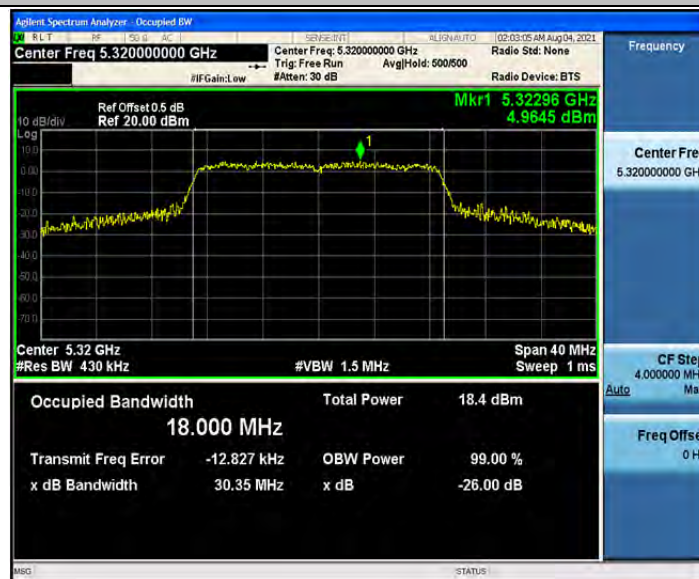
802.11n(HT20)_5260



802.11n(HT20)_5280



802.11n(HT20)_5320



802.11n(HT20)_5500



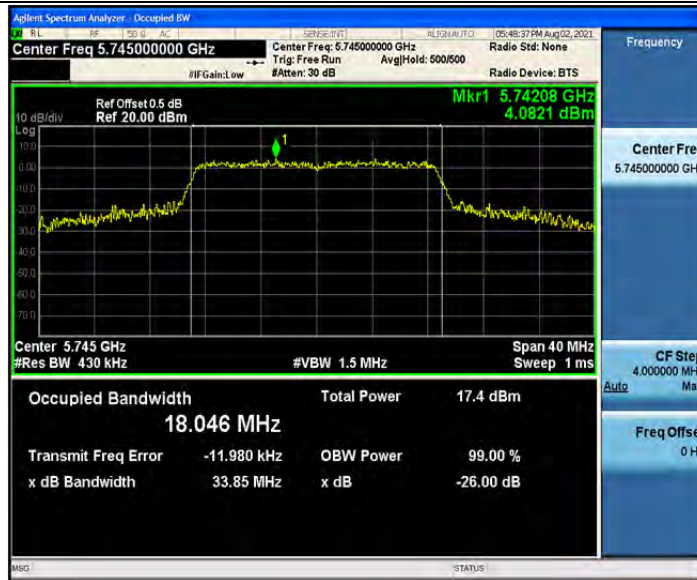
802.11n(HT20)_5580



802.11n(HT20)_5700



802.11n(HT20)_5745



802.11n(HT20)_5785



802.11n(HT20)_5825



802.11n(HT40)_5190



802.11n(HT40)_5230



802.11n(HT40)_5270



802.11n(HT40)_5310



802.11n(HT40)_5510



802.11n(HT40)_5550



802.11n(HT40)_5670



802.11n(HT40)_5755



802.11n(HT40)_5795



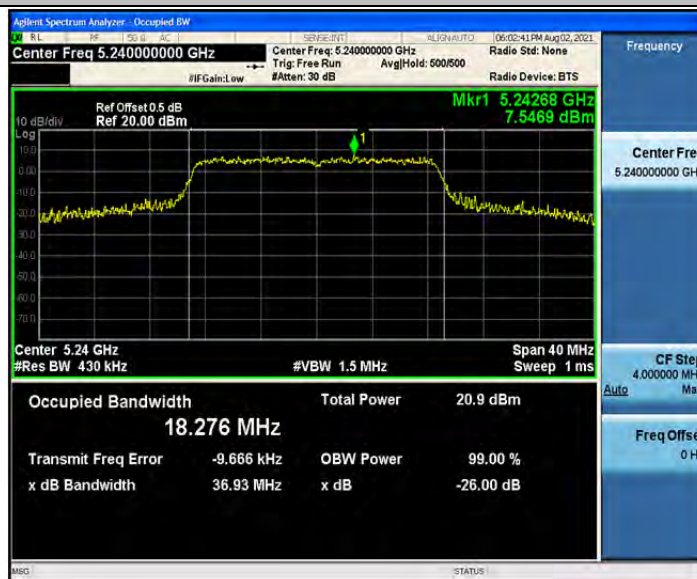
802.11ac(VHT20)_5180



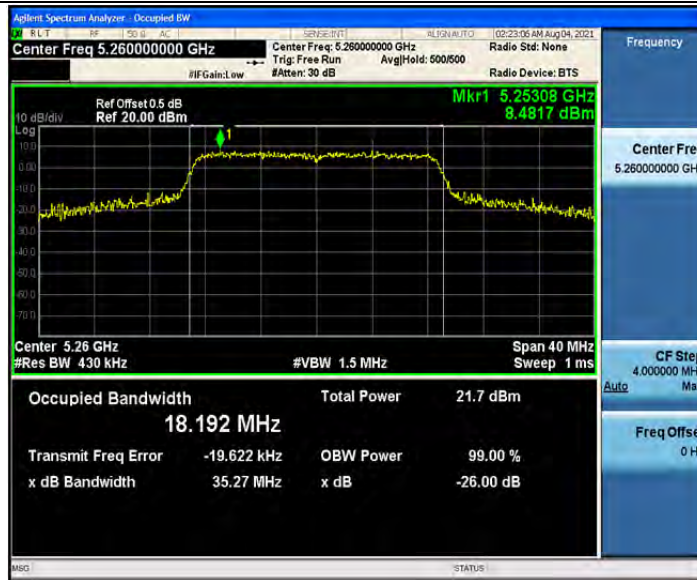
802.11ac(VHT20)_5200



802.11ac(VHT20)_5240



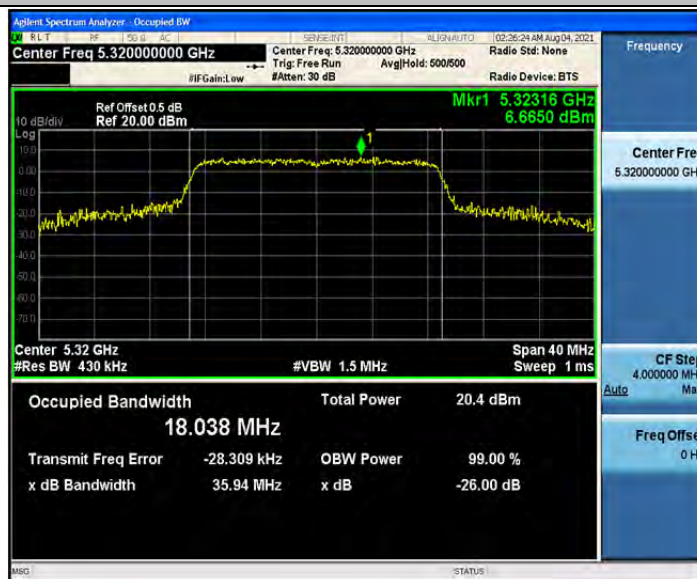
802.11ac(VHT20)_5260



802.11ac(VHT20)_5280



802.11ac(VHT20)_5320



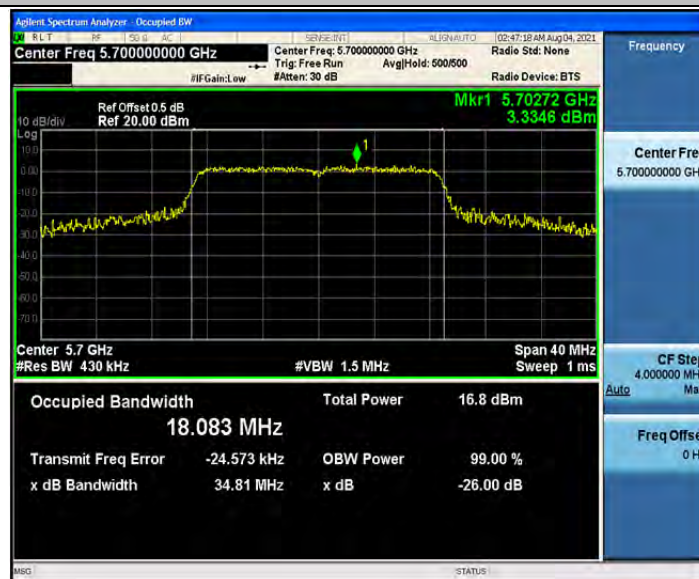
802.11ac(VHT20)_5500



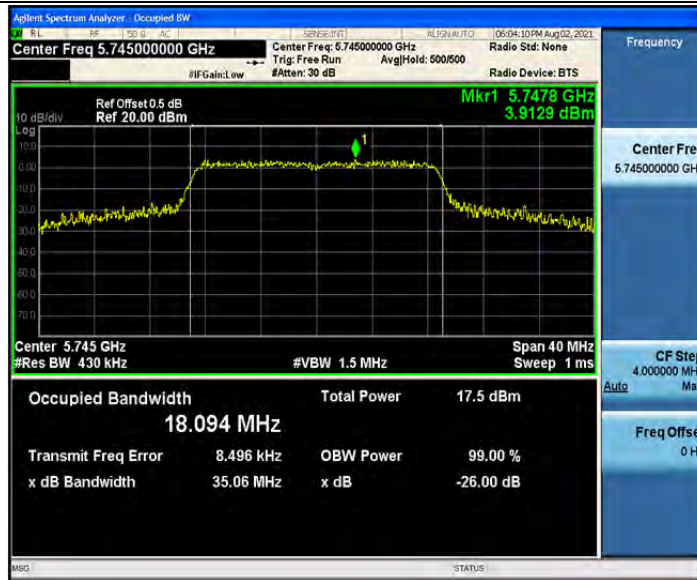
802.11ac(VHT20)_5580



802.11ac(VHT20)_5700



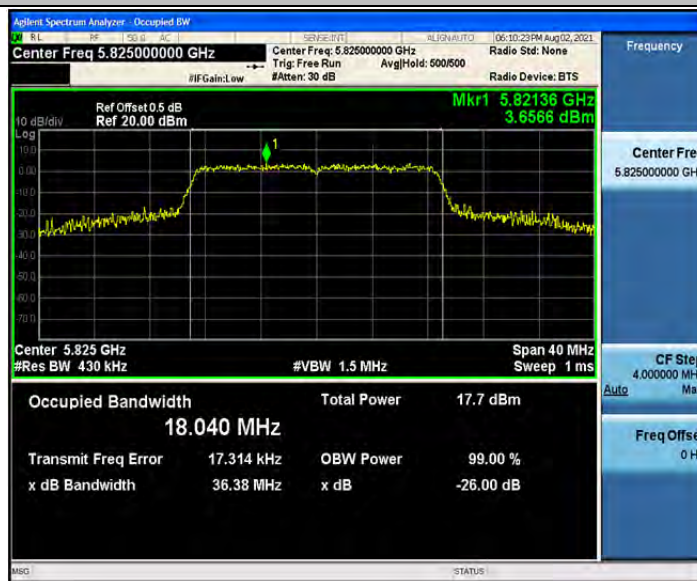
802.11ac(VHT20)_5745



802.11ac(VHT20)_5785



802.11ac(VHT20)_5825



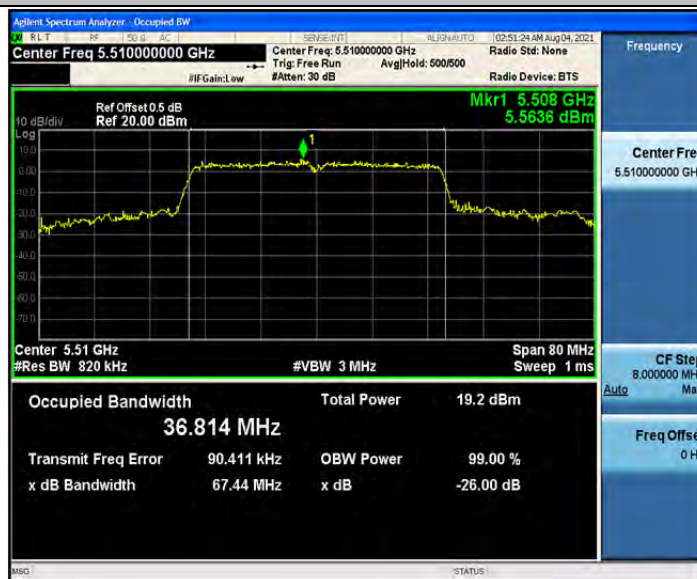
802.11ac(VHT40)_5270



802.11ac(VHT40)_5310



802.11ac(VHT40)_5510



802.11ac(VHT40)_5550



802.11ac(VHT40)_5670



802.11ac(VHT40)_5190



802.11ac(VHT40)_5230



802.11ac(VHT40)_5755



802.11ac(VHT40)_5795



802.11ac(VHT80)_5210



802.11ac(VHT80)_5290



802.11ac(VHT80)_5530



802.11ac(VHT80)_5610



802.11ac(VHT80)_5775



Appendix A3: Min emission bandwidth

Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
802.11a	Ant1	5745	16.400	5736.800	5753.200	>0.5	PASS
		5785	16.400	5776.800	5793.200	>0.5	PASS
		5825	16.400	5816.800	5833.200	>0.5	PASS
802.11n(HT20)	Ant1	5745	17.200	5736.320	5753.520	>0.5	PASS
		5785	17.200	5776.320	5793.520	>0.5	PASS
		5825	17.160	5816.440	5833.600	>0.5	PASS
802.11n(HT40)	Ant1	5755	36.000	5737.000	5773.000	>0.5	PASS
		5795	35.760	5777.000	5812.760	>0.5	PASS
802.11ac(VHT20)	Ant1	5745	17.280	5736.360	5753.640	>0.5	PASS
		5785	17.320	5776.320	5793.640	>0.5	PASS
		5825	17.360	5816.280	5833.640	>0.5	PASS
802.11ac(VHT40)	Ant1	5755	35.520	5737.240	5772.760	>0.5	PASS
		5795	36.000	5777.000	5813.000	>0.5	PASS
802.11ac(VHT80)	Ant1	5775	75.840	5737.240	5813.080	>0.5	PASS

Test Graphs

802.11a_5745



802.11a_5785



802.11a_5825



802.11n(HT20)_5745



802.11n(HT20)_5785



802.11n(HT20)_5825



802.11n(HT40)_5755



802.11n(HT40)_5795



802.11ac(VHT20)_5745



802.11ac(VHT20)_5785