

Appendix B: Test Results of 5GHz Wi-Fi

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Appendix B.1: Test Results of Maximum Conducted output power

TestMode	Channel	Result[dBm]			Limit[dBm]	Verdict
		Ant1	Ant2	MIMO		
11A-CDD	5180	12.45	12.23	-	≤24	PASS
	5200	12.55	11.97	-	≤24	PASS
	5240	12.28	11.98	-	≤24	PASS
	5260	12.46	11.93	-	≤24	PASS
	5280	12.37	11.89	-	≤24	PASS
	5320	12.26	11.89	-	≤24	PASS
	5500	12.31	11.82	-	≤24	PASS
	5580	12.18	11.62	-	≤24	PASS
	5700	12.45	11.82	-	≤24	PASS
	5745	12.53	11.61	-	≤30	PASS
	5785	12.65	11.90	-	≤30	PASS
	5825	12.68	11.69	-	≤30	PASS
11N20MIMO	5180	12.33	12.04	15.40	≤24	PASS
	5200	12.46	11.77	15.14	≤24	PASS
	5240	12.17	11.98	15.09	≤24	PASS
	5260	12.25	11.84	15.06	≤24	PASS
	5280	12.40	11.91	15.17	≤24	PASS
	5320	12.21	11.83	15.03	≤24	PASS
	5500	12.09	11.55	14.84	≤24	PASS
	5580	12.13	11.56	14.86	≤24	PASS
	5700	12.35	11.72	15.06	≤24	PASS
	5745	12.42	11.47	14.98	≤30	PASS
	5785	12.57	11.89	15.25	≤30	PASS
	5825	12.66	11.54	15.15	≤30	PASS
11N40MIMO	5190	12.52	12.15	15.35	≤24	PASS
	5230	12.56	12.07	15.33	≤24	PASS
	5270	12.53	12.11	15.34	≤24	PASS
	5310	12.47	12.00	15.25	≤24	PASS
	5510	12.35	11.87	15.13	≤24	PASS
	5550	12.51	11.85	15.20	≤24	PASS
	5670	12.58	11.78	15.21	≤24	PASS
	5755	12.68	11.76	15.25	≤30	PASS
5795	12.85	12.07	15.49	≤30	PASS	

TestMode	Channel	Result[dBm]			Limit[dBm]	Verdict
		Ant1	Ant2	MIMO		
11AC20MIMO	5180	12.31	12.05	15.19	≤24	PASS
	5200	12.41	11.82	15.14	≤24	PASS
	5240	12.18	11.87	15.04	≤24	PASS
	5260	12.12	11.85	15.00	≤24	PASS
	5280	12.33	11.89	15.13	≤24	PASS
	5320	12.14	11.76	14.96	≤24	PASS
	5500	12.10	11.55	14.84	≤24	PASS
	5580	12.17	11.40	14.81	≤24	PASS
	5700	12.41	11.71	15.08	≤24	PASS
	5745	12.47	11.49	15.02	≤30	PASS
	5785	12.55	11.83	15.22	≤30	PASS
5825	12.65	11.53	15.14	≤30	PASS	
11AC40MIMO	5190	12.70	12.13	15.43	≤24	PASS
	5230	12.49	12.02	15.27	≤24	PASS
	5270	12.49	12.05	15.29	≤24	PASS
	5310	12.41	11.89	15.17	≤24	PASS
	5510	12.33	11.90	15.13	≤24	PASS
	5550	12.54	11.69	15.15	≤24	PASS
	5670	12.46	11.62	15.07	≤24	PASS
	5755	12.66	11.79	15.26	≤30	PASS
5795	12.87	11.92	15.43	≤30	PASS	
11ac80MIMO	5210	12.40	11.97	15.20	≤24	PASS
	5290	12.32	12.00	15.17	≤24	PASS
	5530	12.31	11.68	15.02	≤24	PASS
	5610	12.47	11.76	15.14	≤24	PASS
	5775	12.67	12.11	15.41	≤30	PASS

Appendix B.2: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A-CDD	Ant1	5180	2.19	≤11.00	PASS
	Ant2	5180	2.34	≤11.00	PASS
	total	---	---	---	---
	Ant1	5200	2.42	≤11.00	PASS
	Ant2	5200	2.25	≤11.00	PASS
	total	---	---	---	---
	Ant1	5240	1.64	≤11.00	PASS
	Ant2	5240	1.67	≤11.00	PASS
	total	---	---	---	---
	Ant1	5260	1.51	≤11.00	PASS
	Ant2	5260	1.47	≤11.00	PASS
	total	---	---	---	---
	Ant1	5280	1.01	≤11.00	PASS
	Ant2	5280	0.96	≤11.00	PASS
	total	---	---	---	---
	Ant1	5320	1.13	≤11.00	PASS
	Ant2	5320	1.03	≤11.00	PASS
	total	---	---	---	---
	Ant1	5500	0.08	≤11.00	PASS
	Ant2	5500	0.38	≤11.00	PASS
	total	---	---	---	---
	Ant1	5580	0.62	≤11.00	PASS
	Ant2	5580	0.93	≤11.00	PASS
	total	---	---	---	---
	Ant1	5700	0.65	≤11.00	PASS
	Ant2	5700	1.53	≤11.00	PASS
	total	---	---	---	---
	Ant1	5745	-3.73	≤30.00	PASS
	Ant2	5745	-3.99	≤30.00	PASS
	total	---	---	---	---
Ant1	5785	-4.11	≤30.00	PASS	
Ant2	5785	-3.31	≤30.00	PASS	
total	---	---	---	---	
Ant1	5825	-3.65	≤30.00	PASS	
Ant2	5825	-3.14	≤30.00	PASS	
total	---	---	---	---	
11N20MIMO	Ant1	5180	1.87	≤11.00	PASS
	Ant2	5180	2.2	≤11.00	PASS
	total	5180	5.05	≤11.00	PASS
	Ant1	5200	1.81	≤11.00	PASS
	Ant2	5200	1.66	≤11.00	PASS
	total	5200	4.75	≤11.00	PASS
	Ant1	5240	1.34	≤11.00	PASS
	Ant2	5240	1.26	≤11.00	PASS
	total	5240	4.31	≤11.00	PASS
	Ant1	5260	1.23	≤11.00	PASS
	Ant2	5260	1.15	≤11.00	PASS
	total	5260	4.20	≤11.00	PASS
	Ant1	5280	0.76	≤11.00	PASS
	Ant2	5280	0.86	≤11.00	PASS
	total	5280	3.82	≤11.00	PASS
	Ant1	5320	0.98	≤11.00	PASS
	Ant2	5320	0.74	≤11.00	PASS
	total	5320	3.87	≤11.00	PASS
	Ant1	5500	-0.38	≤11.00	PASS
	Ant2	5500	0.43	≤11.00	PASS
	total	5500	3.05	≤11.00	PASS

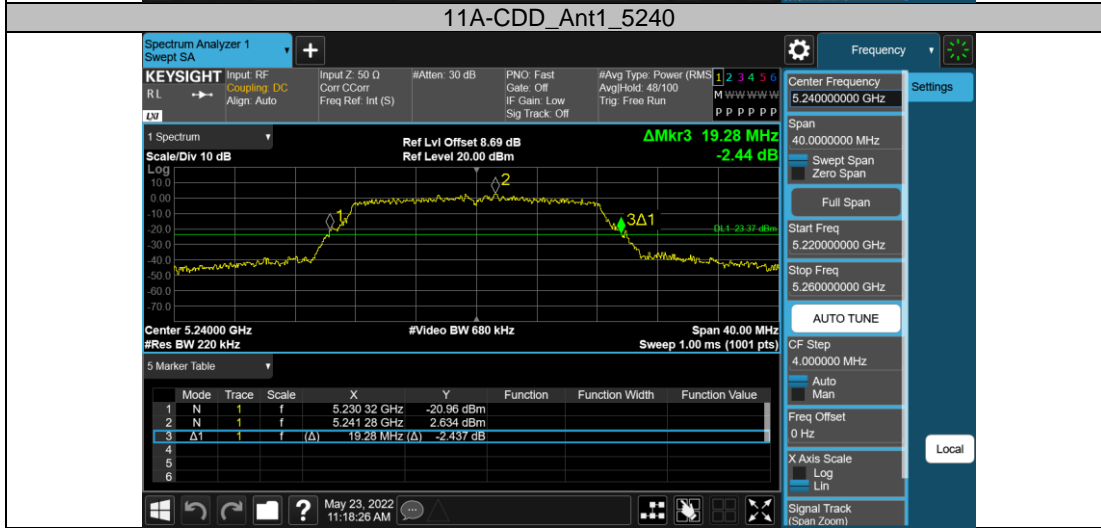
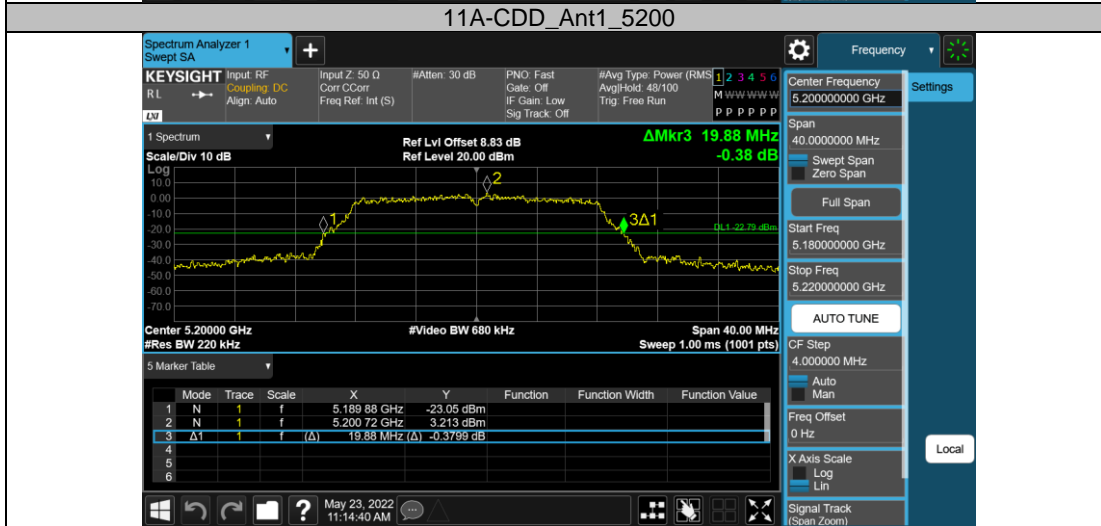
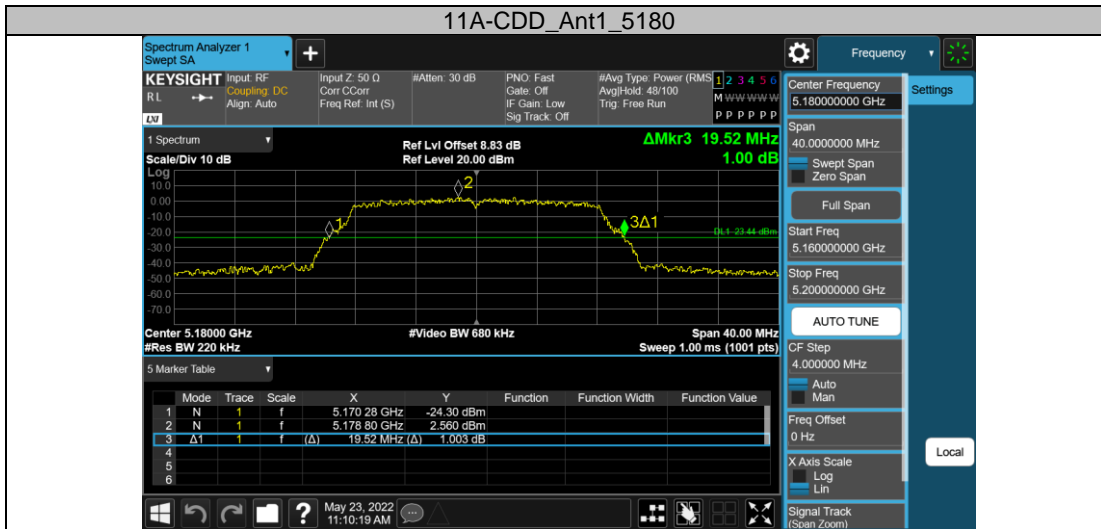
	Ant1	5580	0.3	≤11.00	PASS	
	Ant2	5580	0.6	≤11.00	PASS	
	total	5580	3.46	≤11.00	PASS	
	Ant1	5700	-0.07	≤11.00	PASS	
	Ant2	5700	0.77	≤11.00	PASS	
	total	5700	3.38	≤11.00	PASS	
	Ant1	5745	-4.77	≤30.00	PASS	
	Ant2	5745	-4.19	≤30.00	PASS	
	total	5745	-1.46	≤30.00	PASS	
	Ant1	5785	-4.73	≤30.00	PASS	
	Ant2	5785	-3.91	≤30.00	PASS	
	total	5785	-1.29	≤30.00	PASS	
	Ant1	5825	-3.97	≤30.00	PASS	
	Ant2	5825	-4.02	≤30.00	PASS	
	total	5825	-0.98	≤30.00	PASS	
	11N40MIMO	Ant1	5190	-0.95	≤11.00	PASS
		Ant2	5190	-0.58	≤11.00	PASS
		total	5190	2.25	≤11.00	PASS
		Ant1	5230	-1.24	≤11.00	PASS
		Ant2	5230	-1.82	≤11.00	PASS
		total	5230	1.49	≤11.00	PASS
		Ant1	5270	-1.47	≤11.00	PASS
		Ant2	5270	-1.12	≤11.00	PASS
		total	5270	1.72	≤11.00	PASS
Ant1		5310	-1.76	≤11.00	PASS	
Ant2		5310	-2.28	≤11.00	PASS	
total		5310	1.00	≤11.00	PASS	
Ant1		5510	-2.65	≤11.00	PASS	
Ant2		5510	-1.77	≤11.00	PASS	
total		5510	0.82	≤11.00	PASS	
Ant1		5550	-2.22	≤11.00	PASS	
Ant2		5550	-2.39	≤11.00	PASS	
total		5550	0.71	≤11.00	PASS	
Ant1		5670	-2.37	≤11.00	PASS	
Ant2		5670	-2.66	≤11.00	PASS	
total		5670	0.50	≤11.00	PASS	
Ant1		5755	-7	≤30.00	PASS	
Ant2		5755	-7.42	≤30.00	PASS	
total		5755	-4.19	≤30.00	PASS	
Ant1	5795	-7.23	≤30.00	PASS		
Ant2	5795	-6.03	≤30.00	PASS		
total	5795	-3.58	≤30.00	PASS		
11AC20MIMO	Ant1	5180	1.97	≤11.00	PASS	
	Ant2	5180	2.2	≤11.00	PASS	
	total	5180	5.10	≤11.00	PASS	
	Ant1	5200	2.34	≤11.00	PASS	
	Ant2	5200	1.77	≤11.00	PASS	
	total	5200	5.07	≤11.00	PASS	
	Ant1	5240	1.31	≤11.00	PASS	
	Ant2	5240	1.59	≤11.00	PASS	
	total	5240	4.46	≤11.00	PASS	
	Ant1	5260	1.18	≤11.00	PASS	
	Ant2	5260	1.36	≤11.00	PASS	
	total	5260	4.28	≤11.00	PASS	
	Ant1	5280	0.91	≤11.00	PASS	
	Ant2	5280	0.81	≤11.00	PASS	
	total	5280	3.87	≤11.00	PASS	
	Ant1	5320	1.08	≤11.00	PASS	
	Ant2	5320	0.85	≤11.00	PASS	
	total	5320	3.98	≤11.00	PASS	
	Ant1	5500	-0.44	≤11.00	PASS	
	Ant2	5500	0.13	≤11.00	PASS	
	total	5500	2.86	≤11.00	PASS	

	Ant1	5580	0.39	≤11.00	PASS
	Ant2	5580	0.63	≤11.00	PASS
	total	5580	3.52	≤11.00	PASS
	Ant1	5700	0	≤11.00	PASS
	Ant2	5700	0.32	≤11.00	PASS
	total	5700	3.17	≤11.00	PASS
	Ant1	5745	-4.29	≤30.00	PASS
	Ant2	5745	-4.1	≤30.00	PASS
	total	5745	-1.18	≤30.00	PASS
	Ant1	5785	-4.88	≤30.00	PASS
	Ant2	5785	-4.13	≤30.00	PASS
	total	5785	-1.48	≤30.00	PASS
11AC40MIMO	Ant1	5825	-3.79	≤30.00	PASS
	Ant2	5825	-3.71	≤30.00	PASS
	total	5825	-0.74	≤30.00	PASS
	Ant1	5190	-0.33	≤11.00	PASS
	Ant2	5190	-0.19	≤11.00	PASS
	total	5190	2.75	≤11.00	PASS
	Ant1	5230	-1.51	≤11.00	PASS
	Ant2	5230	-1.47	≤11.00	PASS
	total	5230	1.52	≤11.00	PASS
	Ant1	5270	-1.78	≤11.00	PASS
	Ant2	5270	-1.49	≤11.00	PASS
	total	5270	1.38	≤11.00	PASS
	Ant1	5310	-1.53	≤11.00	PASS
	Ant2	5310	-2.24	≤11.00	PASS
	total	5310	1.14	≤11.00	PASS
	Ant1	5510	-3.18	≤11.00	PASS
	Ant2	5510	-1.86	≤11.00	PASS
	total	5510	0.54	≤11.00	PASS
	Ant1	5550	-2.42	≤11.00	PASS
	Ant2	5550	-2.7	≤11.00	PASS
	total	5550	0.45	≤11.00	PASS
	Ant1	5670	-2.33	≤11.00	PASS
	Ant2	5670	-2.51	≤11.00	PASS
	total	5670	0.59	≤11.00	PASS
Ant1	5755	-7.42	≤30.00	PASS	
Ant2	5755	-6.94	≤30.00	PASS	
total	5755	-4.16	≤30.00	PASS	
Ant1	5795	-7.22	≤30.00	PASS	
Ant2	5795	-5.78	≤30.00	PASS	
total	5795	-3.43	≤30.00	PASS	
11AC80MIMO	Ant1	5210	-4.28	≤11.00	PASS
	Ant2	5210	-2.75	≤11.00	PASS
	total	5210	-0.44	≤11.00	PASS
	Ant1	5290	-4.89	≤11.00	PASS
	Ant2	5290	-4.16	≤11.00	PASS
	total	5290	-1.50	≤11.00	PASS
	Ant1	5530	-4.98	≤11.00	PASS
	Ant2	5530	-6.18	≤11.00	PASS
	total	5530	-2.53	≤11.00	PASS
	Ant1	5610	-5.73	≤11.00	PASS
	Ant2	5610	-5.99	≤11.00	PASS
	total	5610	-2.85	≤11.00	PASS
	Ant1	5775	-9.63	≤30.00	PASS
	Ant2	5775	-9.14	≤30.00	PASS
	total	5775	-6.37	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Appendix B.3: Test Results of 26dB Bandwidth

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]
11A-CDD	Ant1	5180	19.520	5170.280	5189.800	---
		5200	19.880	5189.880	5209.760	---
		5240	19.280	5230.320	5249.600	---
		5260	19.880	5250.000	5269.880	---
		5280	19.880	5270.120	5290.000	---
		5320	19.480	5310.280	5329.760	---
		5500	19.680	5490.240	5509.920	---
		5580	20.360	5569.800	5590.160	---
		5700	19.960	5689.960	5709.920	---
		5745	19.800	5735.040	5754.840	---
		5785	19.760	5775.120	5794.880	---
		5825	20.080	5815.000	5835.080	---
11N20MIMO	Ant1	5180	20.160	5169.760	5189.920	---
		5200	20.200	5189.880	5210.080	---
		5240	20.320	5229.880	5250.200	---
		5260	19.720	5250.240	5269.960	---
		5280	20.120	5270.000	5290.120	---
		5320	20.040	5310.040	5330.080	---
		5500	19.880	5490.080	5509.960	---
		5580	20.280	5569.920	5590.200	---
		5700	20.480	5689.840	5710.320	---
		5745	20.320	5734.840	5755.160	---
		5785	19.920	5775.040	5794.960	---
		5825	20.160	5814.880	5835.040	---
11N40MIMO	Ant1	5190	39.680	5170.000	5209.680	---
		5230	39.600	5210.400	5250.000	---
		5270	39.600	5250.240	5289.840	---
		5310	39.920	5290.160	5330.080	---
		5510	40.240	5489.760	5530.000	---
		5550	40.160	5530.000	5570.160	---
		5670	39.920	5649.920	5689.840	---
		5755	40.000	5734.920	5774.920	---
		5795	39.520	5775.160	5814.680	---
11AC20MIMO	Ant1	5180	19.520	5170.440	5189.960	---
		5200	19.920	5190.040	5209.960	---
		5240	20.280	5229.920	5250.200	---
		5260	20.080	5249.960	5270.040	---
		5280	19.800	5270.160	5289.960	---
		5320	19.920	5310.120	5330.040	---
		5500	20.120	5489.880	5510.000	---
		5580	19.960	5570.040	5590.000	---
		5700	19.880	5690.080	5709.960	---
		5745	19.920	5735.080	5755.000	---
		5785	20.160	5774.960	5795.120	---
		5825	19.840	5815.160	5835.000	---
11AC40MIMO	Ant1	5190	39.920	5169.840	5209.760	---
		5230	40.000	5210.160	5250.160	---
		5270	40.240	5249.840	5290.080	---
		5310	39.600	5290.240	5329.840	---
		5510	40.240	5490.240	5530.480	---
		5550	40.240	5529.920	5570.160	---
		5670	39.840	5650.160	5690.000	---
		5755	40.400	5735.080	5775.480	---
11AC80MIMO	Ant1	5210	79.840	5169.840	5249.680	---
		5290	79.520	5250.160	5329.680	---
		5530	80.160	5489.680	5569.840	---
		5610	79.840	5570.320	5650.160	---
5775	79.840	5735.160	5815.000	---		



11A-CDD_Ant1_5260



11A-CDD_Ant1_5280



11A-CDD_Ant1_5320



11A-CDD_Ant1_5500

