

11n20MIMO_Ant1_5745



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**Duty Cycle
 Test Result**

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle* [%]
11a-CDD	Ant1	5180	1.97	1.99	98.99
	Ant0	5180	1.97	1.99	98.99
11n20MIMO	Ant1	5180	5.40	5.42	99.63
	Ant0	5180	5.40	5.41	99.82
11n40MIMO	Ant1	5190	5.20	5.21	99.81
	Ant0	5190	5.19	5.21	99.62
11ac20MIMO	Ant1	5180	5.40	5.42	99.63
	Ant0	5180	5.40	5.42	99.63
11ac40MIMO	Ant1	5190	5.20	5.22	99.62
	Ant0	5190	5.20	5.21	99.81
11ac80MIMO	Ant1	5210	2.70	2.72	99.26
	Ant0	5210	2.70	2.72	99.26
11ac160MIMO	Ant1	5250	2.14	2.15	99.53
	Ant0	5250	2.13	2.15	99.07
11ax20MIMO	Ant1	5180	5.42	5.43	99.82
	Ant0	5180	5.42	5.43	99.82
11ax40MIMO	Ant1	5190	4.11	4.12	99.76
	Ant0	5190	4.10	4.12	99.51
11ax80MIMO	Ant1	5210	2.22	2.24	99.11
	Ant0	5210	2.22	2.23	99.55
11ax160MIMO	Ant1	5250	2.15	2.17	99.08
	Ant0	5250	2.15	2.17	99.08

Note:
 Radiated Emission Average VBW Setting:
 *Duty cycle > 98% VBW setting=10Hz



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Report No.: XEWA2302000005RG04
 Rev.: 01
 Page: 247 of 940

Test Result for AX Part RU

Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11ax20MIMO	Ant1	5180	26Tone	RU0	4.58	4.79	95.62
			52Tone	RU37	5.07	5.28	96.02
			106Tone	RU53	4.77	5.03	94.83
	Ant0	5180	26Tone	RU0	4.58	4.79	95.61
			52Tone	RU37	5.07	5.28	96.02
			106Tone	RU53	4.77	5.03	94.83
11ax40MIMO	Ant1	5190	242Tone	RU61	0.76	0.81	93.83
	Ant0	5190	242Tone	RU61	0.76	0.81	93.83
11ax80MIMO	Ant1	5210	484Tone	RU65	0.71	0.75	94.67
	Ant0	5210	484Tone	RU65	0.71	0.75	94.67
11ax160MIMO	Ant1	5250	996Tone	RU67	0.68	0.72	94.44
	Ant0	5250	996Tone	RU67	0.68	0.72	94.44

Note:
 Radiated Emission Average VBW = 1 / T

TestMode	T[ms]	Period[ms]	Duty Cycle[%]	1/T[kHz]	VBW Setting
11ax20MIMO 26/52/106 Tone	4.58	4.79	95.62	0.21834	0.3KHz
11ax40MIMO 242 Tone	0.76	0.81	93.83	1.31579	1.5KHz
11ax80MIMO 484 Tone	0.71	0.75	94.67	1.40845	1.5KHz
11ax160MIMO 996 Tone	0.68	0.72	94.44	1.47059	1.5KHz

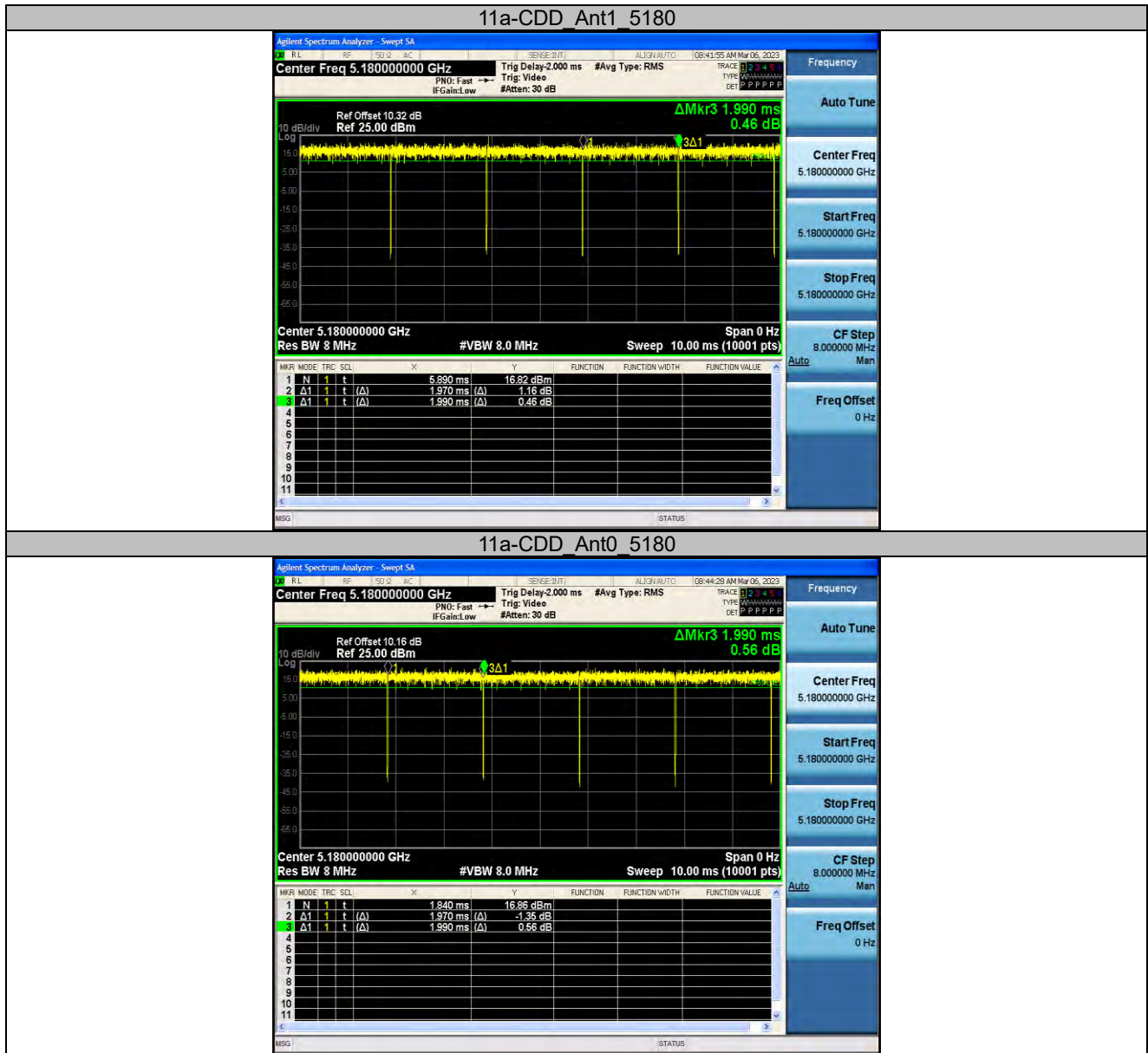


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Test Graphs



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11n20MIMO_Ant1_5180



11n20MIMO_Ant0_5180

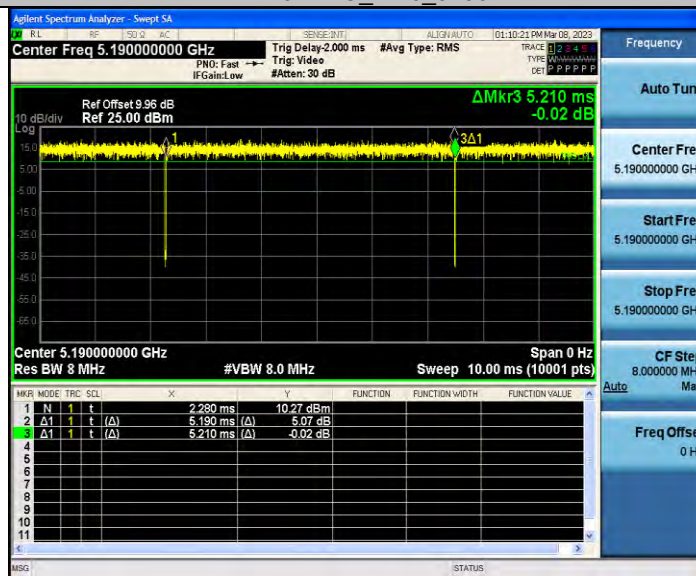


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11n40MIMO_Ant1_5190



11n40MIMO_Ant0_5190



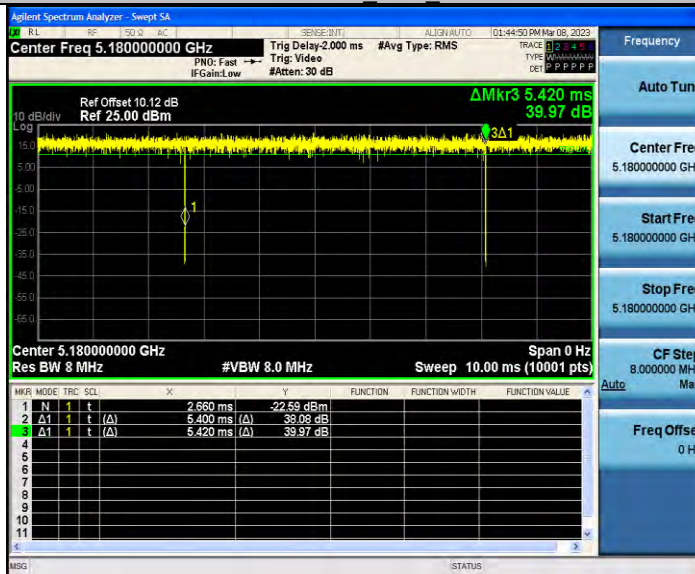
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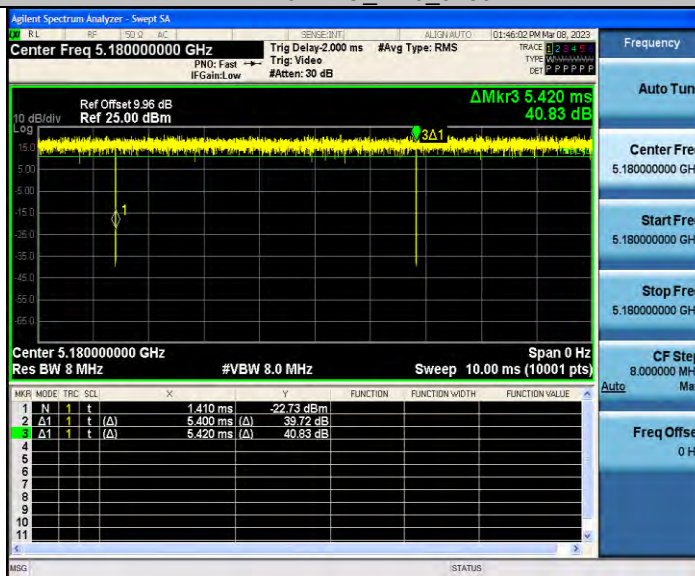
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11ac20MIMO_Ant1_5180



11ac20MIMO_Ant0_5180



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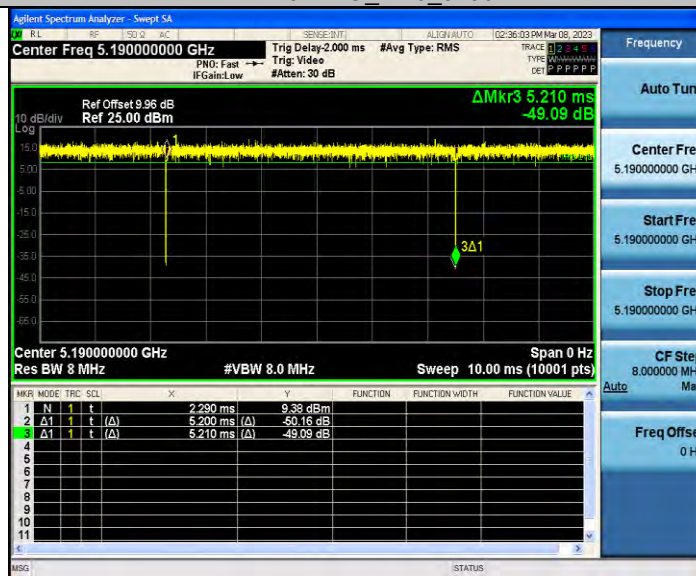
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11ac40MIMO_Ant1_5190



11ac40MIMO_Ant0_5190

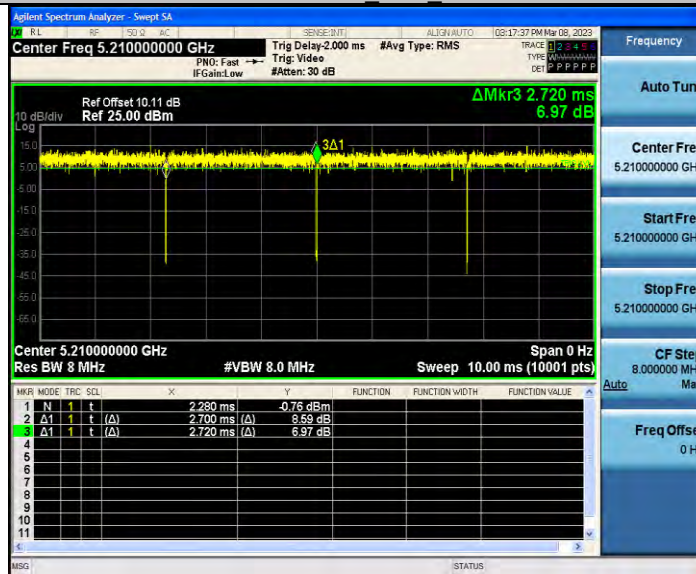


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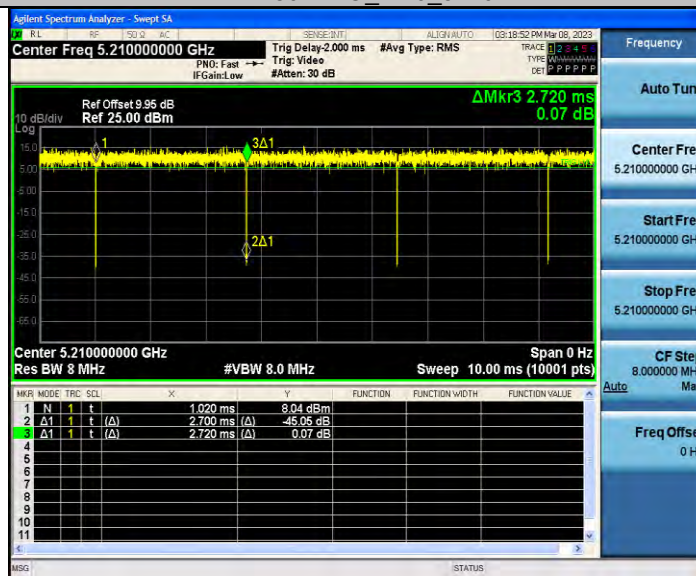
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11ac80MIMO_Ant1_5210

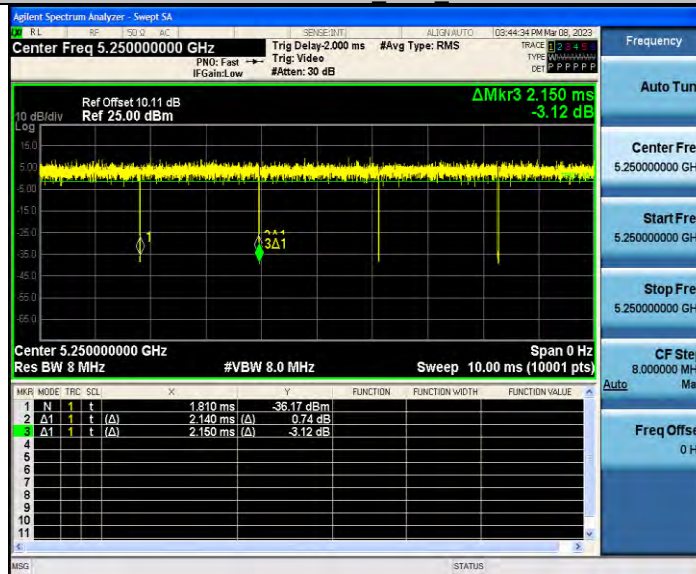


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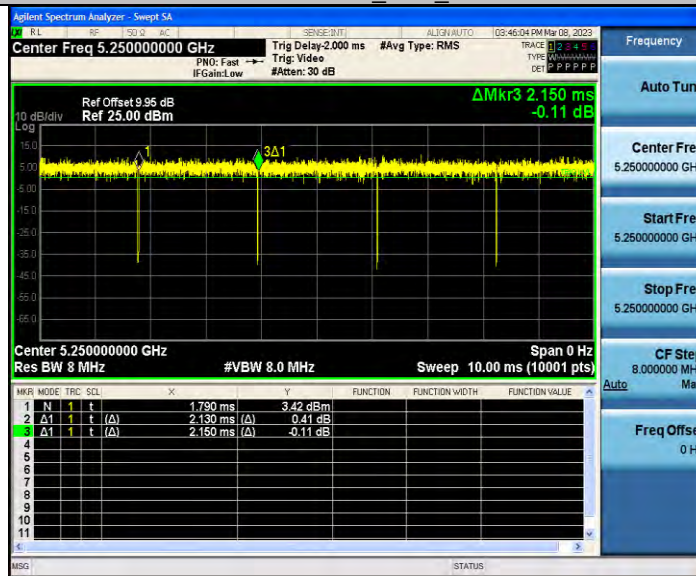


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11ac160MIMO_Ant1_5250



11ac160MIMO_Ant0_5250



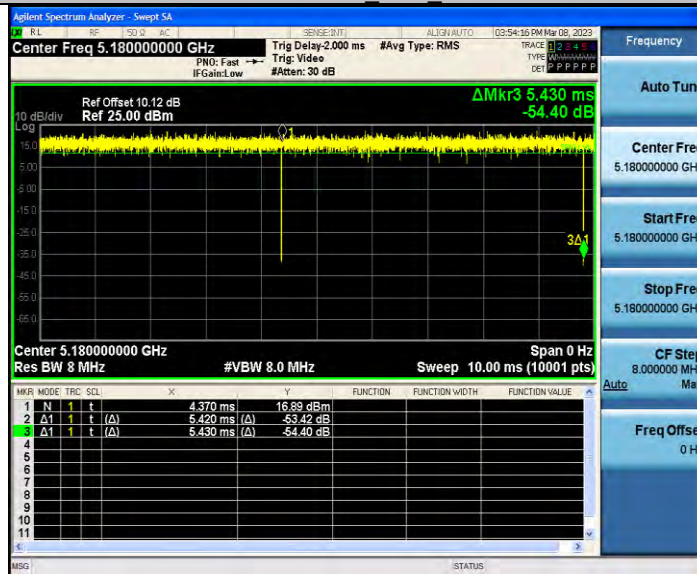
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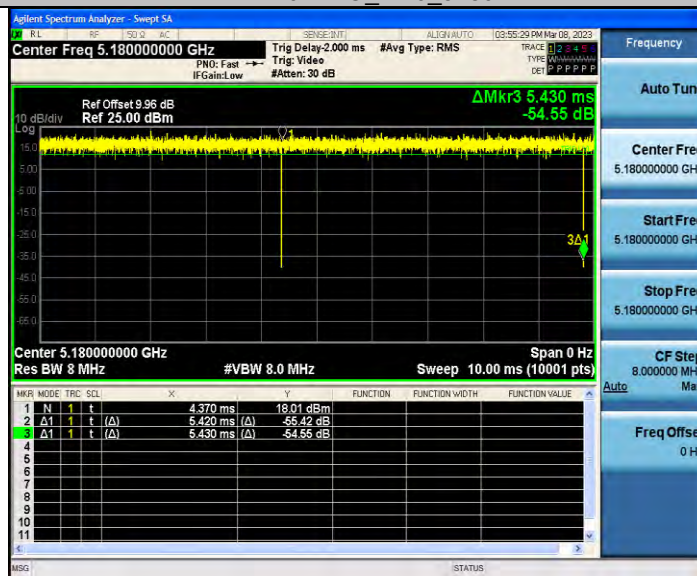
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11ax20MIMO_Ant1_5180



11ax20MIMO_Ant0_5180



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11ax40MIMO_Ant1_5190



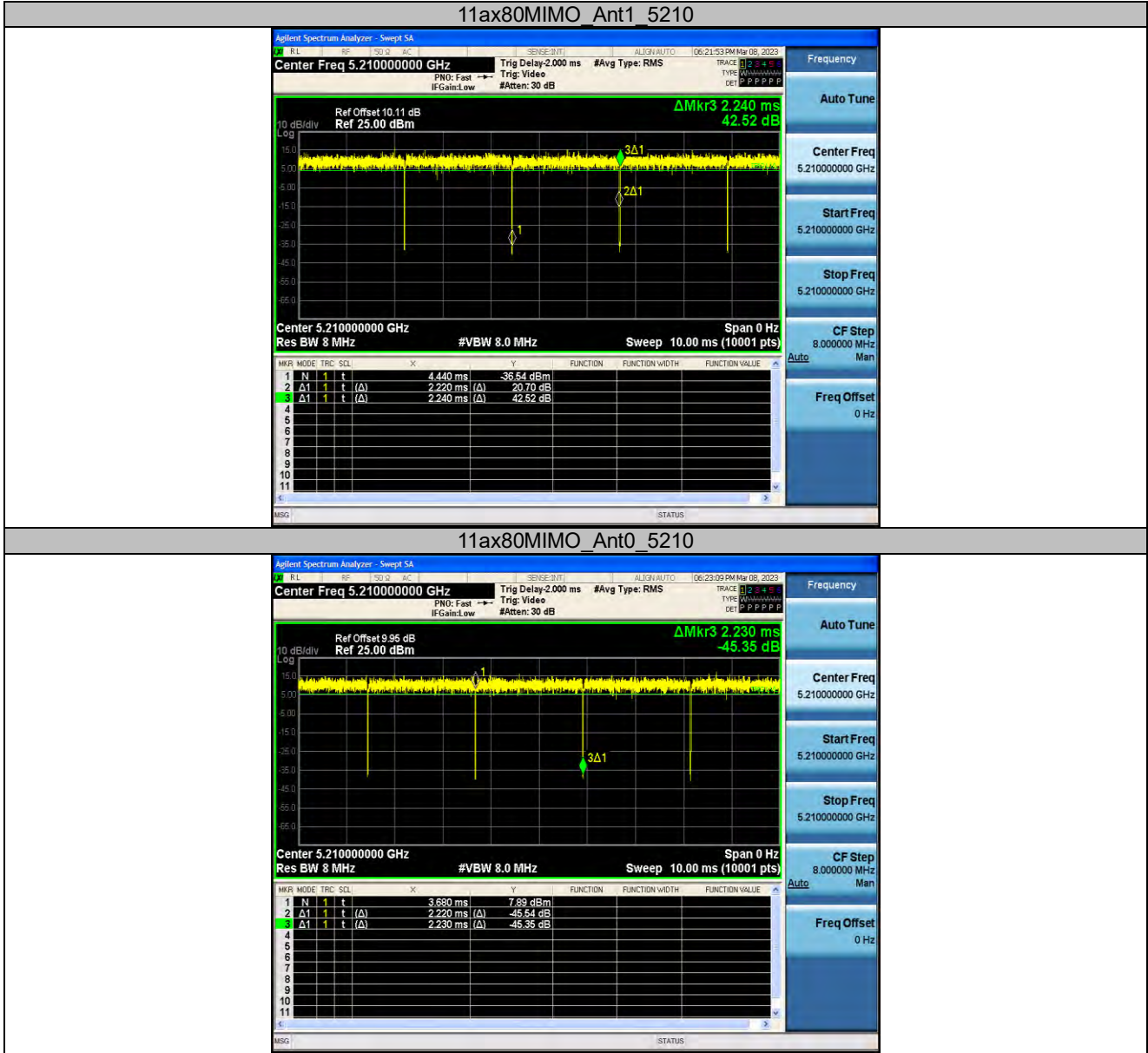
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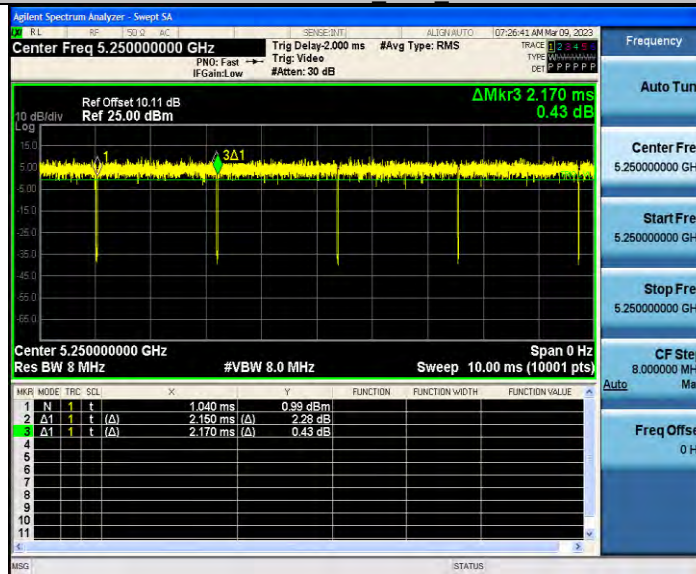
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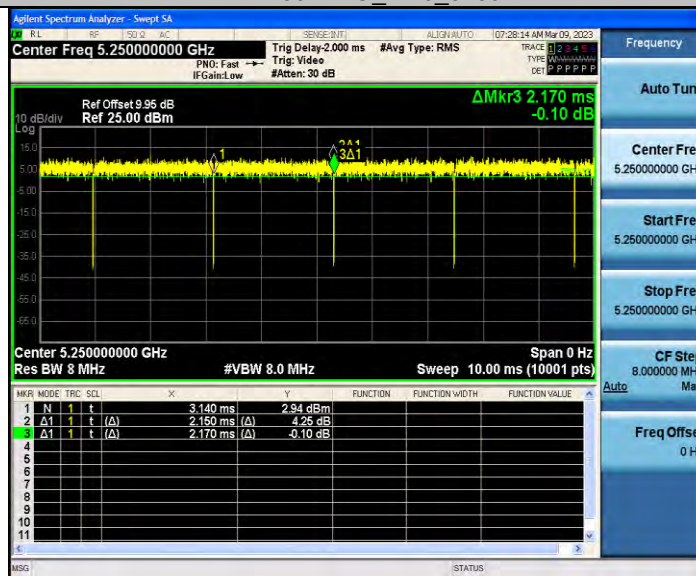
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11ax160MIMO_Ant1_5250



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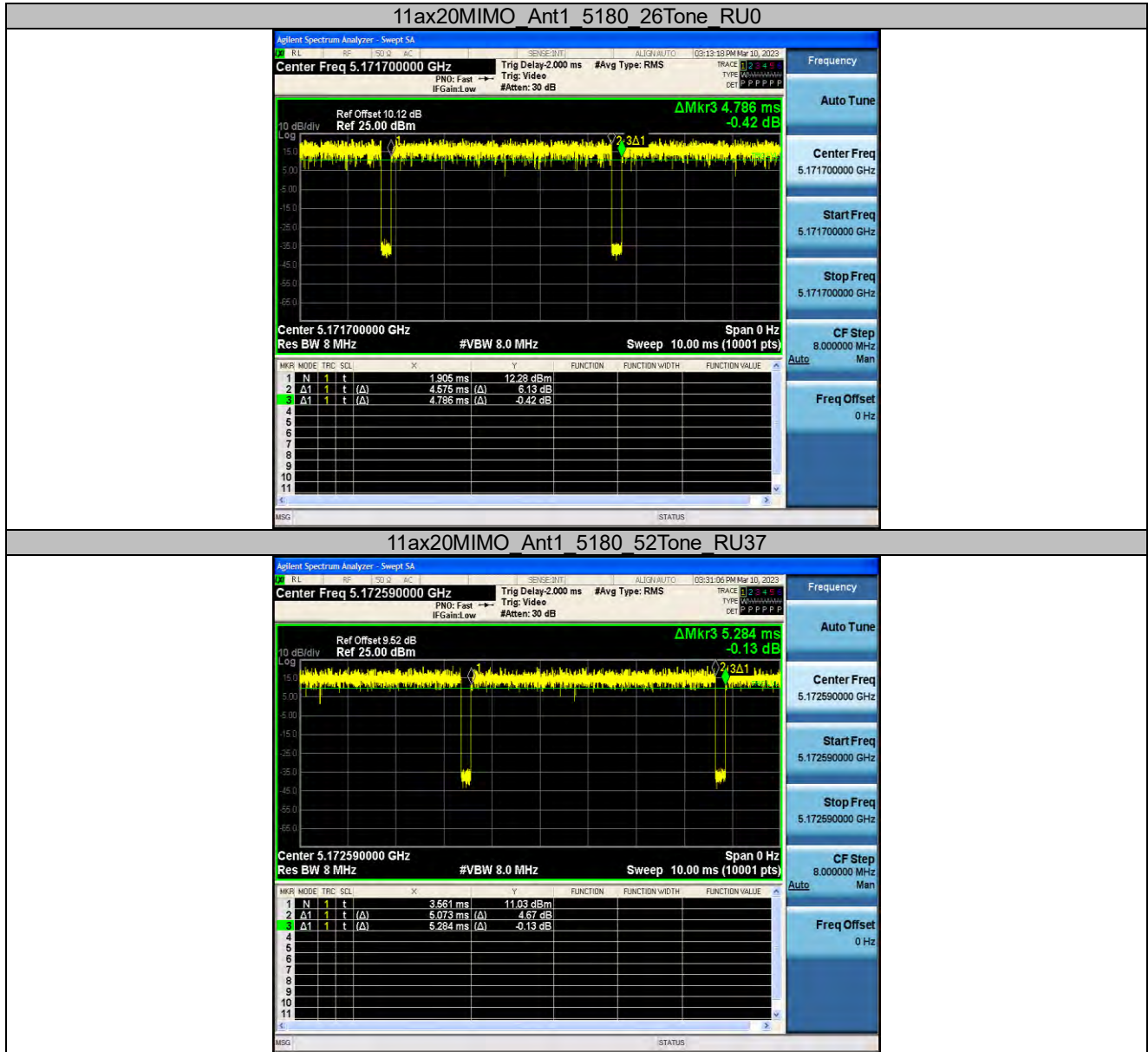
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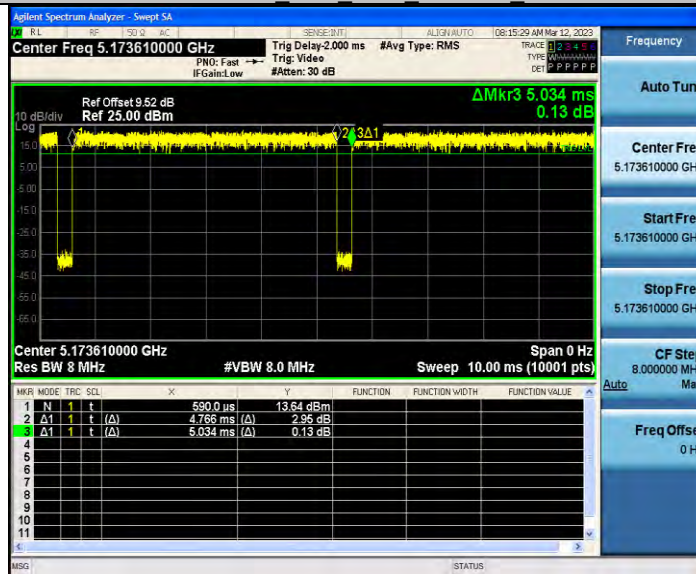
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Test Graphs for AX Part RU

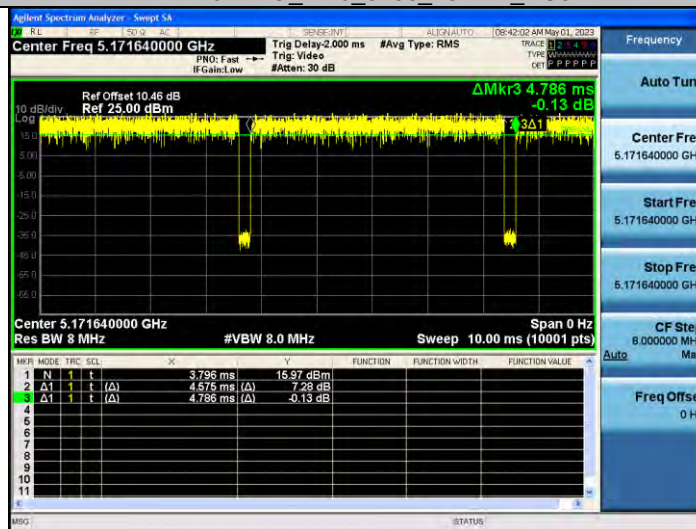


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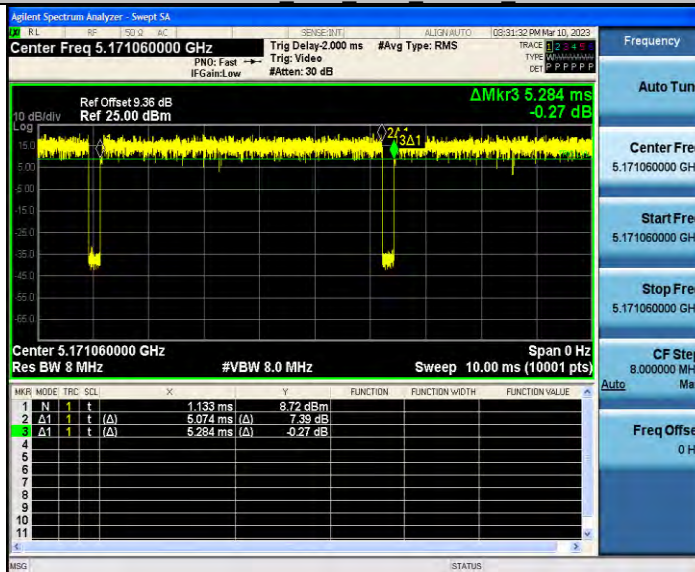
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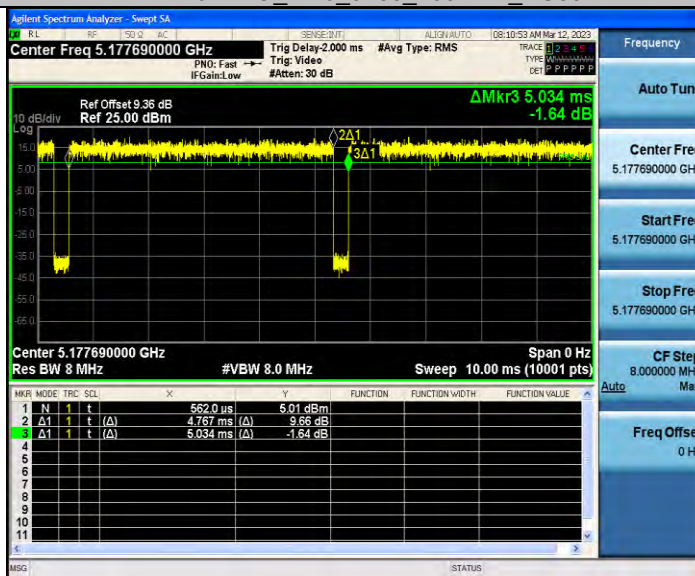
11ax20MIMO Ant0 5180 26Tone RU0



11ax20MIMO Ant0 5180 52Tone RU37

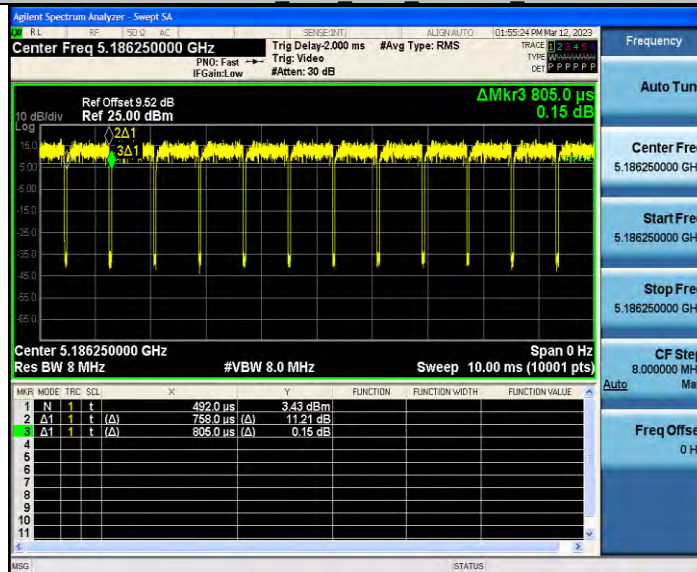


11ax20MIMO Ant0 5180_106Tone_RU53

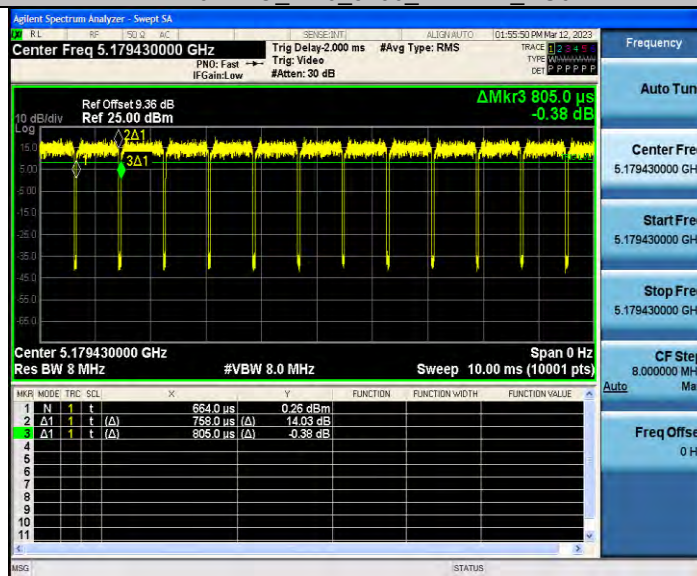


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11ax40MIMO Ant1 5190_242Tone_RU61



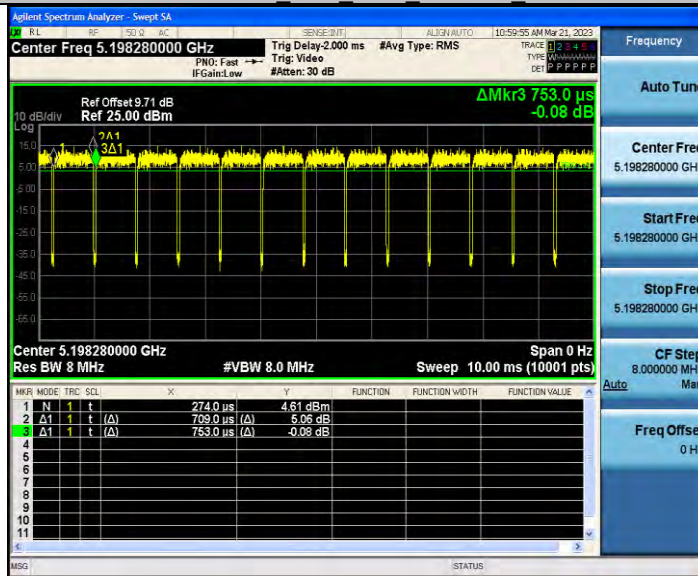
11ax40MIMO Ant0 5190_242Tone_RU61



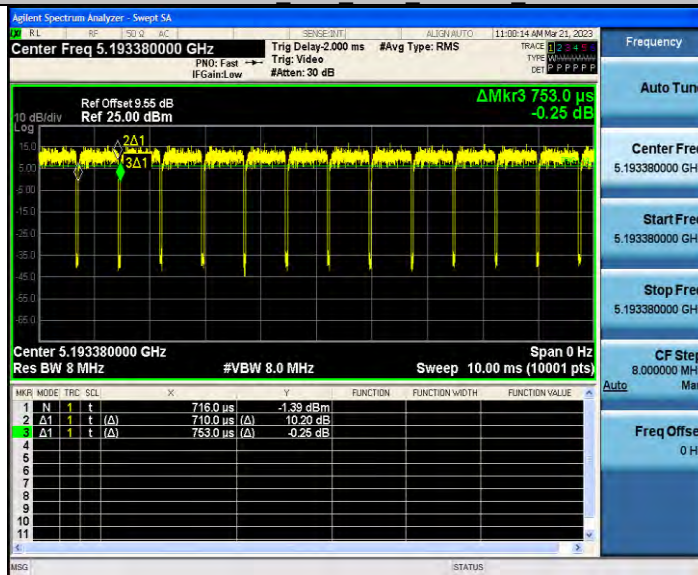
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11ax80MIMO Ant1 5210 484Tone RU65

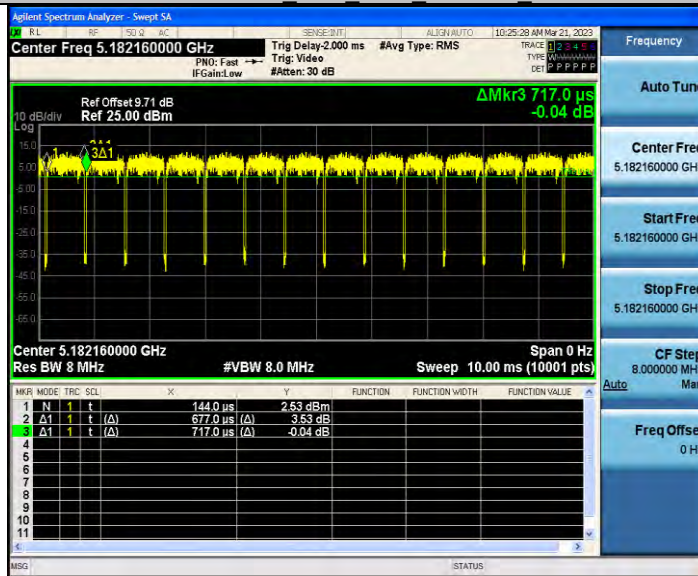


11ax80MIMO Ant0 5210 484Tone RU65

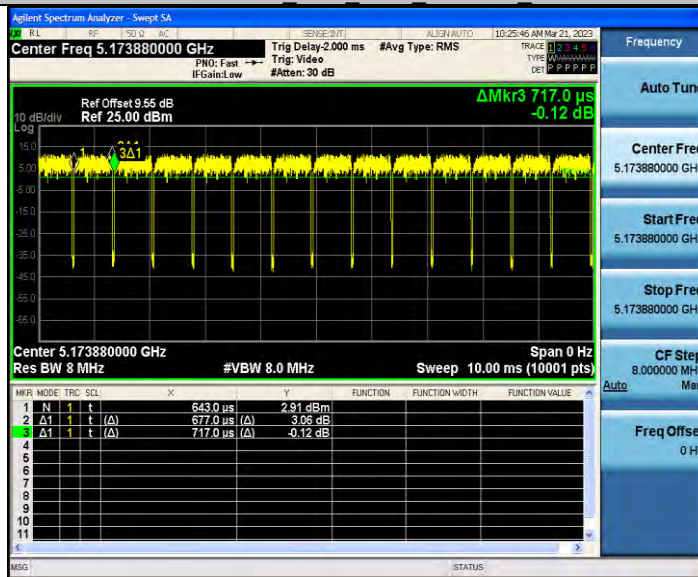


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11ax160MIMO Ant1 5250 996Tone RU67



11ax160MIMO Ant0 5250 996Tone RU67



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**Maximum conducted output power
 Test Result**

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11a-CDD	Ant1	5180	15.34	≤23.98	PASS
	Ant0	5180	15.31	≤23.98	PASS
	total	5180	18.34	≤23.98	PASS
	Ant1	5220	15.03	≤23.98	PASS
	Ant0	5220	15.41	≤23.98	PASS
	total	5220	18.23	≤23.98	PASS
	Ant1	5240	14.95	≤23.98	PASS
	Ant0	5240	15.29	≤23.98	PASS
	total	5240	18.13	≤23.98	PASS
	Ant1	5260	15.43	≤23.98	PASS
	Ant0	5260	14.74	≤23.98	PASS
	total	5260	18.11	≤23.98	PASS
	Ant1	5280	15.63	≤23.98	PASS
	Ant0	5280	14.71	≤23.98	PASS
	total	5280	18.20	≤23.98	PASS
	Ant1	5320	16.21	≤23.98	PASS
	Ant0	5320	15.01	≤23.98	PASS
	total	5320	18.66	≤23.98	PASS
	Ant1	5500	14.62	≤23.98	PASS
	Ant0	5500	14.66	≤23.98	PASS
	total	5500	17.65	≤23.98	PASS
	Ant1	5580	15.64	≤23.98	PASS
	Ant0	5580	14.54	≤23.98	PASS
	total	5580	18.14	≤23.98	PASS
	Ant1	5700	15.93	≤23.98	PASS
	Ant0	5700	15.54	≤23.98	PASS
	total	5700	18.75	≤23.98	PASS
	Ant1	5745	15.58	≤30.00	PASS
	Ant0	5745	15.28	≤30.00	PASS
	total	5745	18.44	≤30.00	PASS
Ant1	5785	15.43	≤30.00	PASS	
Ant0	5785	15.42	≤30.00	PASS	
total	5785	18.44	≤30.00	PASS	
Ant1	5825	15.48	≤30.00	PASS	
Ant0	5825	15.73	≤30.00	PASS	
total	5825	18.62	≤30.00	PASS	
11n20MIMO	Ant1	5180	14.94	≤23.98	PASS
	Ant0	5180	14.53	≤23.98	PASS
	total	5180	17.75	≤23.98	PASS
	Ant1	5220	14.71	≤23.98	PASS
	Ant0	5220	14.85	≤23.98	PASS
	total	5220	17.79	≤23.98	PASS
	Ant1	5240	14.54	≤23.98	PASS
	Ant0	5240	15.04	≤23.98	PASS
	total	5240	17.81	≤23.98	PASS
	Ant1	5260	15.12	≤23.98	PASS
	Ant0	5260	14.51	≤23.98	PASS
	total	5260	17.84	≤23.98	PASS



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	Ant1	5320	15.49	≤23.98	PASS
	Ant0	5320	14.73	≤23.98	PASS
	total	5320	18.14	≤23.98	PASS
	Ant1	5500	14.30	≤23.98	PASS
	Ant0	5500	14.23	≤23.98	PASS
	total	5500	17.28	≤23.98	PASS
	Ant1	5580	15.54	≤23.98	PASS
	Ant0	5580	14.28	≤23.98	PASS
	total	5580	17.97	≤23.98	PASS
	Ant1	5700	15.95	≤23.98	PASS
	Ant0	5700	15.21	≤23.98	PASS
	total	5700	18.61	≤23.98	PASS
	Ant1	5745	15.13	≤30.00	PASS
	Ant0	5745	14.97	≤30.00	PASS
	total	5745	18.06	≤30.00	PASS
Ant1	5785	15.20	≤30.00	PASS	
Ant0	5785	15.17	≤30.00	PASS	
total	5785	18.20	≤30.00	PASS	
Ant1	5825	15.21	≤30.00	PASS	
Ant0	5825	15.49	≤30.00	PASS	
total	5825	18.36	≤30.00	PASS	
11n40MIMO	Ant1	5190	15.42	≤23.98	PASS
	Ant0	5190	15.33	≤23.98	PASS
	total	5190	18.39	≤23.98	PASS
	Ant1	5230	14.94	≤23.98	PASS
	Ant0	5230	15.25	≤23.98	PASS
	total	5230	18.11	≤23.98	PASS
	Ant1	5270	15.77	≤23.98	PASS
	Ant0	5270	14.81	≤23.98	PASS
	total	5270	18.33	≤23.98	PASS
	Ant1	5310	16.23	≤23.98	PASS
	Ant0	5310	15.04	≤23.98	PASS
	total	5310	18.69	≤23.98	PASS
	Ant1	5510	14.87	≤23.98	PASS
	Ant0	5510	14.47	≤23.98	PASS
	total	5510	17.68	≤23.98	PASS
	Ant1	5550	15.13	≤23.98	PASS
	Ant0	5550	14.24	≤23.98	PASS
	total	5550	17.72	≤23.98	PASS
	Ant1	5670	15.84	≤23.98	PASS
	Ant0	5670	15.38	≤23.98	PASS
	total	5670	18.63	≤23.98	PASS
	Ant1	5710	15.71	≤23.98	PASS
	Ant0	5710	15.76	≤23.98	PASS
	total	5710	18.75	≤23.98	PASS
	Ant1	5755	15.34	≤30.00	PASS
	Ant0	5755	15.56	≤30.00	PASS
	total	5755	18.46	≤30.00	PASS
Ant1	5795	15.32	≤30.00	PASS	
Ant0	5795	15.75	≤30.00	PASS	
total	5795	18.55	≤30.00	PASS	
11ac20MIMO	Ant1	5180	14.91	≤23.98	PASS
	Ant0	5180	14.82	≤23.98	PASS



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	total	5180	17.88	≤23.98	PASS
	Ant1	5220	14.75	≤23.98	PASS
	Ant0	5220	14.96	≤23.98	PASS
	total	5220	17.87	≤23.98	PASS
	Ant1	5240	14.51	≤23.98	PASS
	Ant0	5240	15.07	≤23.98	PASS
	total	5240	17.81	≤23.98	PASS
	Ant1	5260	15.16	≤23.98	PASS
	Ant0	5260	14.45	≤23.98	PASS
	total	5260	17.83	≤23.98	PASS
	Ant1	5320	15.84	≤23.98	PASS
	Ant0	5320	14.74	≤23.98	PASS
	total	5320	18.34	≤23.98	PASS
	Ant1	5500	14.21	≤23.98	PASS
	Ant0	5500	14.26	≤23.98	PASS
	total	5500	17.25	≤23.98	PASS
	Ant1	5580	15.40	≤23.98	PASS
	Ant0	5580	14.21	≤23.98	PASS
	total	5580	17.86	≤23.98	PASS
	Ant1	5700	15.71	≤23.98	PASS
	Ant0	5700	15.16	≤23.98	PASS
	total	5700	18.45	≤23.98	PASS
	Ant1	5745	15.33	≤30.00	PASS
	Ant0	5745	14.92	≤30.00	PASS
	total	5745	18.14	≤30.00	PASS
	Ant1	5785	15.14	≤30.00	PASS
	Ant0	5785	15.04	≤30.00	PASS
	total	5785	18.10	≤30.00	PASS
	Ant1	5825	15.05	≤30.00	PASS
	Ant0	5825	15.35	≤30.00	PASS
	total	5825	18.21	≤30.00	PASS
11ac40MIMO	Ant1	5190	15.41	≤23.98	PASS
	Ant0	5190	15.18	≤23.98	PASS
	total	5190	18.31	≤23.98	PASS
	Ant1	5230	14.94	≤23.98	PASS
	Ant0	5230	15.34	≤23.98	PASS
	total	5230	18.15	≤23.98	PASS
	Ant1	5270	15.75	≤23.98	PASS
	Ant0	5270	14.75	≤23.98	PASS
	total	5270	18.29	≤23.98	PASS
	Ant1	5310	16.33	≤23.98	PASS
	Ant0	5310	14.96	≤23.98	PASS
	total	5310	18.71	≤23.98	PASS
	Ant1	5510	14.84	≤23.98	PASS
	Ant0	5510	14.26	≤23.98	PASS
	total	5510	17.57	≤23.98	PASS
	Ant1	5550	15.18	≤23.98	PASS
	Ant0	5550	14.41	≤23.98	PASS
	total	5550	17.82	≤23.98	PASS
	Ant1	5670	15.68	≤23.98	PASS
	Ant0	5670	15.44	≤23.98	PASS
total	5670	18.57	≤23.98	PASS	
Ant1	5755	15.42	≤30.00	PASS	



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	Ant0	5755	15.55	≤30.00	PASS
	total	5755	18.50	≤30.00	PASS
	Ant1	5795	15.31	≤30.00	PASS
	Ant0	5795	15.73	≤30.00	PASS
	total	5795	18.54	≤30.00	PASS
11ac80MIMO	Ant1	5210	14.21	≤23.98	PASS
	Ant0	5210	14.30	≤23.98	PASS
	total	5210	17.27	≤23.98	PASS
	Ant1	5290	14.75	≤23.98	PASS
	Ant0	5290	13.71	≤23.98	PASS
	total	5290	17.27	≤23.98	PASS
	Ant1	5530	14.22	≤23.98	PASS
	Ant0	5530	13.65	≤23.98	PASS
	total	5530	16.95	≤23.98	PASS
	Ant1	5610	15.26	≤23.98	PASS
	Ant0	5610	13.90	≤23.98	PASS
	total	5610	17.64	≤23.98	PASS
	Ant1	5775	14.17	≤30.00	PASS
	Ant0	5775	14.42	≤30.00	PASS
total	5775	17.31	≤30.00	PASS	
11ac160MIMO	Ant1	5250	13.43	≤23.98	PASS
	Ant0	5250	13.80	≤23.98	PASS
	total	5250	16.63	≤23.98	PASS
	Ant1	5570	14.16	≤23.98	PASS
	Ant0	5570	13.27	≤23.98	PASS
total	5570	16.75	≤23.98	PASS	
11ax20MIMO	Ant1	5180	15.20	≤23.98	PASS
	Ant0	5180	15.11	≤23.98	PASS
	total	5180	18.17	≤23.98	PASS
	Ant1	5220	14.90	≤23.98	PASS
	Ant0	5220	15.26	≤23.98	PASS
	total	5220	18.09	≤23.98	PASS
	Ant1	5240	14.81	≤23.98	PASS
	Ant0	5240	15.24	≤23.98	PASS
	total	5240	18.04	≤23.98	PASS
	Ant1	5260	15.42	≤23.98	PASS
	Ant0	5260	14.78	≤23.98	PASS
	total	5260	18.12	≤23.98	PASS
	Ant1	5280	15.52	≤23.98	PASS
	Ant0	5280	14.72	≤23.98	PASS
	total	5280	18.15	≤23.98	PASS
	Ant1	5320	16.20	≤23.98	PASS
	Ant0	5320	14.92	≤23.98	PASS
	total	5320	18.62	≤23.98	PASS
	Ant1	5500	14.51	≤23.98	PASS
	Ant0	5500	14.53	≤23.98	PASS
	total	5500	17.53	≤23.98	PASS
	Ant1	5580	15.56	≤23.98	PASS
	Ant0	5580	14.43	≤23.98	PASS
	total	5580	18.04	≤23.98	PASS
Ant1	5700	15.87	≤23.98	PASS	
Ant0	5700	15.40	≤23.98	PASS	
total	5700	18.65	≤23.98	PASS	



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	Ant1	5745	15.50	≤30.00	PASS
	Ant0	5745	15.21	≤30.00	PASS
	total	5745	18.37	≤30.00	PASS
	Ant1	5785	15.42	≤30.00	PASS
	Ant0	5785	15.36	≤30.00	PASS
	total	5785	18.40	≤30.00	PASS
	Ant1	5825	15.41	≤30.00	PASS
	Ant0	5825	15.65	≤30.00	PASS
	total	5825	18.54	≤30.00	PASS
11ax40MIMO	Ant1	5190	14.50	≤23.98	PASS
	Ant0	5190	14.24	≤23.98	PASS
	total	5190	17.38	≤23.98	PASS
	Ant1	5230	14.14	≤23.98	PASS
	Ant0	5230	14.51	≤23.98	PASS
	total	5230	17.34	≤23.98	PASS
	Ant1	5270	14.99	≤23.98	PASS
	Ant0	5270	13.87	≤23.98	PASS
	total	5270	17.48	≤23.98	PASS
	Ant1	5310	15.30	≤23.98	PASS
	Ant0	5310	14.24	≤23.98	PASS
	total	5310	17.81	≤23.98	PASS
	Ant1	5510	13.91	≤23.98	PASS
	Ant0	5510	13.46	≤23.98	PASS
	total	5510	16.70	≤23.98	PASS
	Ant1	5550	14.35	≤23.98	PASS
	Ant0	5550	13.74	≤23.98	PASS
	total	5550	17.07	≤23.98	PASS
	Ant1	5670	14.83	≤23.98	PASS
	Ant0	5670	14.57	≤23.98	PASS
	total	5670	17.71	≤23.98	PASS
	Ant1	5755	14.67	≤30.00	PASS
	Ant0	5755	14.70	≤30.00	PASS
	total	5755	17.70	≤30.00	PASS
Ant1	5795	14.53	≤30.00	PASS	
Ant0	5795	14.91	≤30.00	PASS	
total	5795	17.73	≤30.00	PASS	
11ax80MIMO	Ant1	5210	14.08	≤23.98	PASS
	Ant0	5210	14.13	≤23.98	PASS
	total	5210	17.12	≤23.98	PASS
	Ant1	5290	14.70	≤23.98	PASS
	Ant0	5290	13.65	≤23.98	PASS
	total	5290	17.22	≤23.98	PASS
	Ant1	5530	14.14	≤23.98	PASS
	Ant0	5530	13.55	≤23.98	PASS
	total	5530	16.87	≤23.98	PASS
	Ant1	5610	15.12	≤23.98	PASS
	Ant0	5610	13.70	≤23.98	PASS
	total	5610	17.48	≤23.98	PASS
11ax160MIMO	Ant1	5775	14.02	≤30.00	PASS
	Ant0	5775	14.33	≤30.00	PASS
	total	5775	17.19	≤30.00	PASS
11ax160MIMO	Ant1	5250	13.41	≤23.98	PASS
	Ant0	5250	13.83	≤23.98	PASS



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	total	5250	16.64	≤23.98	PASS
	Ant1	5570	14.22	≤23.98	PASS
	Ant0	5570	13.33	≤23.98	PASS
	total	5570	16.81	≤23.98	PASS



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Test Result for AX Part RU

Test Mode	Frequency[MHz]	Ru Size	Ru Index	Ant1 Result [dBm]	Ant0 Result [dBm]	Total Result [dBm]	Limit [dBm]	Verdict
11ax20MIMO	5180	26Tone	RU0	11.08	9.38	13.32	≤23.98	PASS
		52Tone	RU37	14.34	13.44	16.92	≤23.98	PASS
		106Tone	RU53	14.04	13.22	16.66	≤23.98	PASS
	5220	26Tone	RU4	10.23	9.67	12.97	≤23.98	PASS
		52Tone	RU38	13.83	13.38	16.62	≤23.98	PASS
		106Tone	RU53	14.32	13.06	16.75	≤23.98	PASS
	5240	26Tone	RU8	10.55	9.12	12.90	≤23.98	PASS
		52Tone	RU40	12.96	11.41	15.26	≤23.98	PASS
		106Tone	RU54	13.12	13.32	16.23	≤23.98	PASS
	5260	26Tone	RU0	10.65	9.45	13.10	≤23.98	PASS
		52Tone	RU37	12.15	10.44	14.39	≤23.98	PASS
		106Tone	RU53	14.30	12.95	16.69	≤23.98	PASS
	5300	26Tone	RU4	9.73	8.92	12.35	≤23.98	PASS
		52Tone	RU38	11.78	10.29	14.11	≤23.98	PASS
		106Tone	RU53	14.05	12.50	16.35	≤23.98	PASS
	5320	26Tone	RU8	9.81	9.12	12.49	≤23.98	PASS
		52Tone	RU40	12.13	10.32	14.33	≤23.98	PASS
		106Tone	RU54	13.60	12.93	16.29	≤23.98	PASS
	5500	26Tone	RU0	8.96	7.98	11.51	≤23.98	PASS
		52Tone	RU37	11.54	11.02	14.30	≤23.98	PASS
		106Tone	RU53	12.87	12.47	15.68	≤23.98	PASS
	5580	26Tone	RU4	9.15	7.84	11.55	≤23.98	PASS
		52Tone	RU38	12.15	10.80	14.54	≤23.98	PASS
		106Tone	RU53	13.54	12.31	15.98	≤23.98	PASS
	5700	26Tone	RU8	9.78	9.82	12.81	≤23.98	PASS
		52Tone	RU40	12.35	12.39	15.38	≤23.98	PASS
		106Tone	RU54	13.68	11.67	15.80	≤23.98	PASS
	5745	26Tone	RU0	14.53	13.27	16.96	≤30.00	PASS
		52Tone	RU37	14.41	12.45	16.55	≤30.00	PASS
		106Tone	RU53	14.35	12.54	16.55	≤30.00	PASS
	5785	26Tone	RU4	14.23	14.35	17.30	≤30.00	PASS
		52Tone	RU38	14.38	13.88	17.15	≤30.00	PASS
		106Tone	RU53	14.51	13.42	17.01	≤30.00	PASS
	5825	26Tone	RU8	15.42	12.92	17.36	≤30.00	PASS
		52Tone	RU40	14.78	13.23	17.08	≤30.00	PASS
		106Tone	RU54	14.98	14.01	17.53	≤30.00	PASS
11ax40MIMO	5190	242Tone	RU61	14.68	13.30	17.05	≤23.98	PASS
	5230	242Tone	RU62	14.07	13.95	17.02	≤23.98	PASS
	5270	242Tone	RU61	15.62	13.27	17.61	≤23.98	PASS
	5310	242Tone	RU62	14.45	13.33	16.94	≤23.98	PASS
	5510	242Tone	RU61	13.78	12.03	16.00	≤23.98	PASS
	5550	242Tone	RU62	13.15	12.67	15.93	≤23.98	PASS
	5670	242Tone	RU62	13.92	12.85	16.43	≤23.98	PASS
	5755	242Tone	RU61	14.41	13.31	16.91	≤30.00	PASS
	5795	242Tone	RU62	14.17	12.84	16.57	≤30.00	PASS
11ax80MIMO	5210	484Tone	RU65	11.05	13.71	15.59	≤23.98	PASS
	5290	484Tone	RU66	9.82	11.86	13.97	≤23.98	PASS
	5530	484Tone	RU65	8.54	13.21	14.48	≤23.98	PASS
	5610	484Tone	RU66	11.68	14.41	16.27	≤23.98	PASS



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	5775	484Tone	RU65	11.03	11.78	14.43	≤30.00	PASS
11ax160MIMO	5250	996Tone	RU67	11.22	13.42	15.47	≤23.98	PASS
	5570	996Tone	RU68	9.56	13.48	14.96	≤23.98	PASS



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