

Appendix B: Test Results of 5GHz Wi-Fi

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

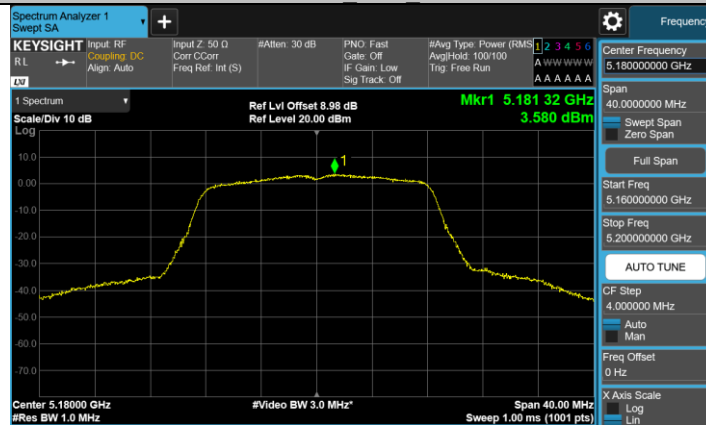
TestMode	Channel	Result[dBm]			Limit[dBm]	Verdict
		Ant1	Ant2	MIMO		
11A-SISO	5180	13.75	13.22	-	≤24	PASS
	5200	13.92	13.09	-	≤24	PASS
	5240	13.86	13.21	-	≤24	PASS
	5745	14.48	13.68	-	≤24	PASS
	5785	14.57	13.74	-	≤24	PASS
	5825	14.49	13.48	-	≤30	PASS
11N20MIMO	5180	12.45	12.07	15.27	≤23	PASS
	5200	12.70	12.06	15.40	≤23	PASS
	5240	12.63	12.13	15.40	≤23	PASS
	5745	13.27	12.31	15.83	≤29	PASS
	5785	13.41	12.71	16.08	≤29	PASS
	5825	13.41	12.39	15.94	≤29	PASS
11N40MIMO	5190	12.43	12.42	15.44	≤23	PASS
	5230	12.97	12.55	15.78	≤23	PASS
	5755	13.44	12.66	16.08	≤29	PASS
	5795	13.74	12.83	16.32	≤29	PASS
11AC20MIMO	5180	12.40	12.00	15.21	≤23	PASS
	5200	12.76	12.13	15.47	≤23	PASS
	5240	11.73	12.06	14.91	≤23	PASS
	5745	13.10	12.24	15.70	≤29	PASS
	5785	13.35	12.75	15.99	≤29	PASS
	5825	13.30	12.22	15.80	≤29	PASS
11AC40MIMO	5190	12.76	12.39	15.59	≤23	PASS
	5230	12.88	12.30	15.61	≤23	PASS
	5755	13.55	12.74	16.17	≤23	PASS
	5795	13.62	12.79	16.24	≤23	PASS
11ac80MIMO	5210	11.72	11.23	14.49	≤23	PASS
	5775	12.45	11.93	15.21	≤29	PASS

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

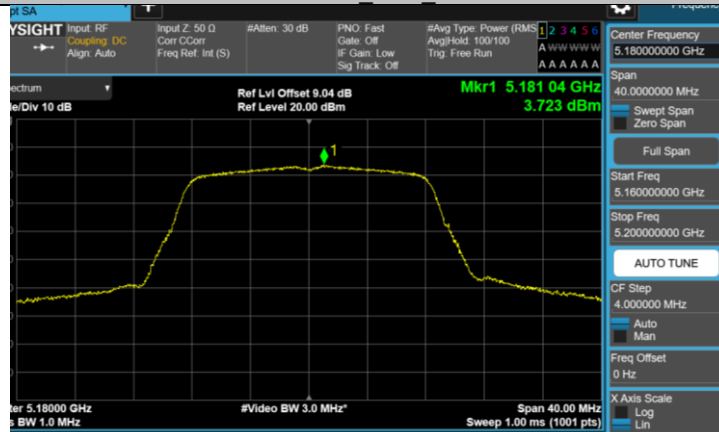
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A-SISO	Ant1	5180	3.58	≤11.00	PASS
	Ant2	5180	3.72	≤11.00	PASS
	Ant1	5200	3.81	≤11.00	PASS
	Ant2	5200	3.42	≤11.00	PASS
	Ant1	5240	2.78	≤11.00	PASS
	Ant2	5240	2.88	≤11.00	PASS
	Ant1	5745	0.18	≤30.00	PASS
	Ant2	5745	-1.93	≤30.00	PASS
	Ant1	5785	0.07	≤30.00	PASS
	Ant2	5785	-1.63	≤30.00	PASS
	Ant1	5825	0.07	≤30.00	PASS
	Ant2	5825	-2.26	≤30.00	PASS
11N20MIMO	Ant1	5180	2.21	≤10.00	PASS
	Ant2	5180	1.94	≤10.00	PASS
	total	5180	5.09	≤10.00	PASS
	Ant1	5200	2.51	≤10.00	PASS
	Ant2	5200	2.37	≤10.00	PASS
	total	5200	5.45	≤10.00	PASS
	Ant1	5240	1.67	≤10.00	PASS
	Ant2	5240	1.33	≤10.00	PASS
	total	5240	4.51	≤10.00	PASS
	Ant1	5745	-0.77	≤29.00	PASS
	Ant2	5745	-3	≤29.00	PASS
	total	5745	1.27	≤29.00	PASS
	Ant1	5785	-0.93	≤29.00	PASS
	Ant2	5785	-2.67	≤29.00	PASS
	total	5785	1.30	≤29.00	PASS
	Ant1	5825	-0.97	≤29.00	PASS
	Ant2	5825	-3.14	≤29.00	PASS
	total	5825	1.09	≤29.00	PASS
11N40MIMO	Ant1	5190	-0.1	≤10.00	PASS
	Ant2	5190	0.27	≤10.00	PASS
	total	5190	3.10	≤10.00	PASS
	Ant1	5230	-0.44	≤10.00	PASS
	Ant2	5230	-1	≤10.00	PASS
	total	5230	2.30	≤10.00	PASS
	Ant1	5755	-4.63	≤29.00	PASS
	Ant2	5755	-6.11	≤29.00	PASS
	total	5755	-2.30	≤29.00	PASS
	Ant1	5795	-3.48	≤29.00	PASS
	Ant2	5795	-5.43	≤29.00	PASS
	total	5795	-1.34	≤29.00	PASS
11AC20MIMO	Ant1	5180	1.8	≤10.00	PASS
	Ant2	5180	1.81	≤10.00	PASS
	total	5180	4.82	≤10.00	PASS
	Ant1	5200	2.32	≤10.00	PASS
	Ant2	5200	2.47	≤10.00	PASS
	total	5200	5.41	≤10.00	PASS
	Ant1	5240	1.86	≤10.00	PASS
	Ant2	5240	1.3	≤10.00	PASS
	total	5240	4.60	≤10.00	PASS
	Ant1	5745	-1.31	≤29.00	PASS
	Ant2	5745	-3.13	≤29.00	PASS
	total	5745	0.88	≤29.00	PASS
	Ant1	5785	-1.19	≤29.00	PASS
	Ant2	5785	-3.1	≤29.00	PASS
	total	5785	0.97	≤29.00	PASS
	Ant1	5825	-0.75	≤29.00	PASS
	Ant2	5825	-3.3	≤29.00	PASS

	total	5825	1.17	≤29.00	PASS
11AC40MIMO	Ant1	5190	-0.28	≤10.00	PASS
	Ant2	5190	0.13	≤10.00	PASS
	total	5190	2.94	≤10.00	PASS
	Ant1	5230	-0.65	≤10.00	PASS
	Ant2	5230	-1.64	≤10.00	PASS
	total	5230	1.89	≤10.00	PASS
	Ant1	5755	-3.71	≤29.00	PASS
	Ant2	5755	-5.09	≤29.00	PASS
	total	5755	-1.34	≤29.00	PASS
	Ant1	5795	-3.96	≤29.00	PASS
11AC80MIMO	Ant2	5795	-5.58	≤29.00	PASS
	total	5795	-1.68	≤29.00	PASS
	Ant1	5210	-4.71	≤10.00	PASS
	Ant2	5210	-9.81	≤10.00	PASS
	total	5210	-3.54	≤10.00	PASS
	Ant1	5775	-7.61	≤29.00	PASS
	Ant2	5775	-10.39	≤29.00	PASS
	total	5775	-5.77	≤29.00	PASS

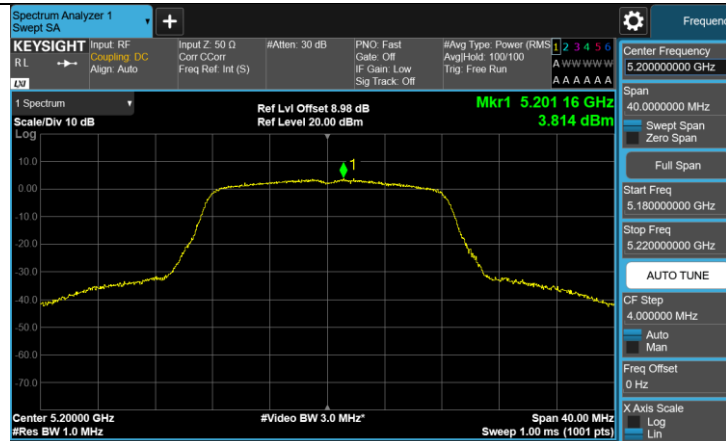
11A-CDD Ant1 5180



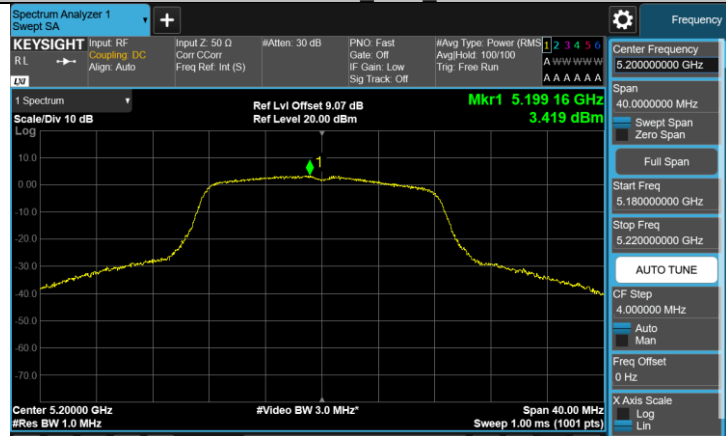
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11A-SISO Ant1 5200



11A-SISO Ant2 5200



11A-SISO Ant1 5240



11A-SISO Ant2 5240



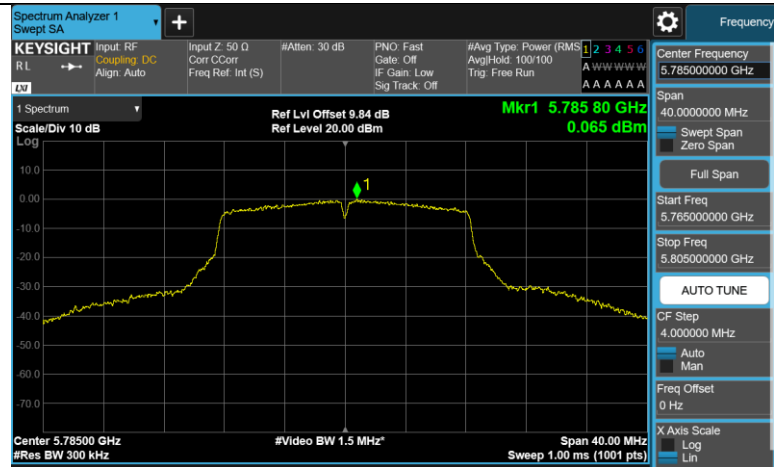
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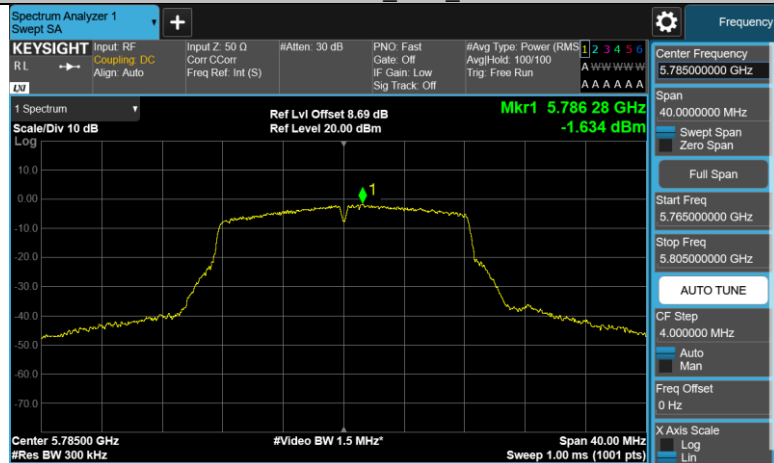
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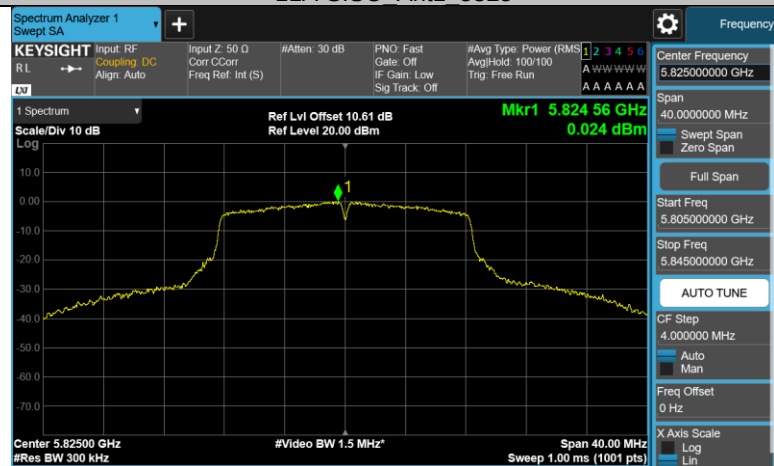
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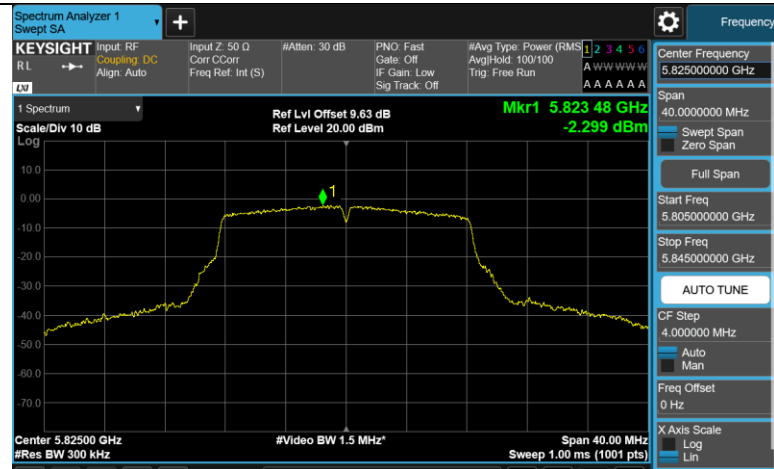
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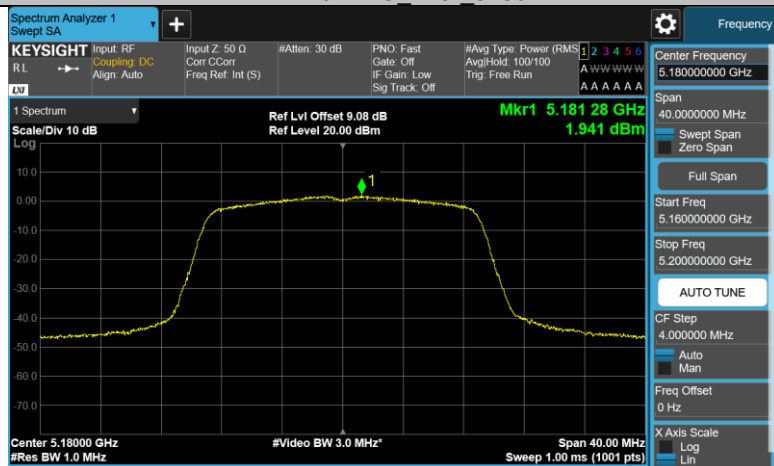
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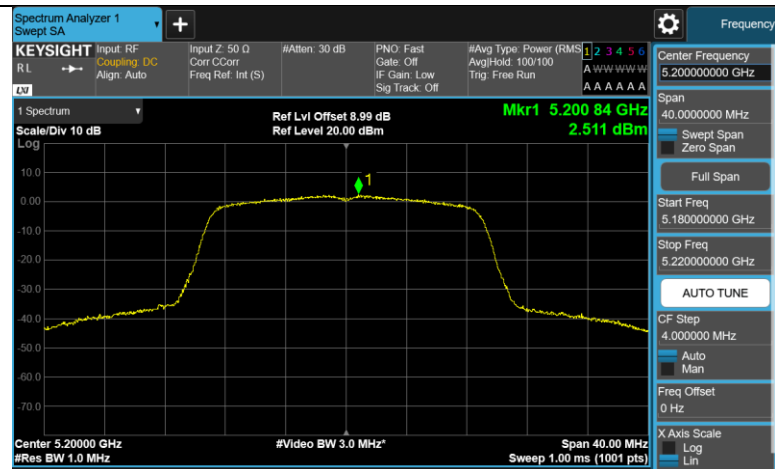
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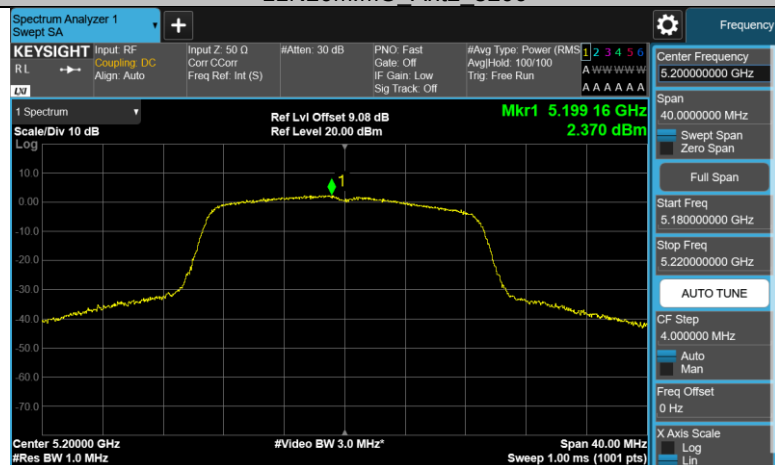
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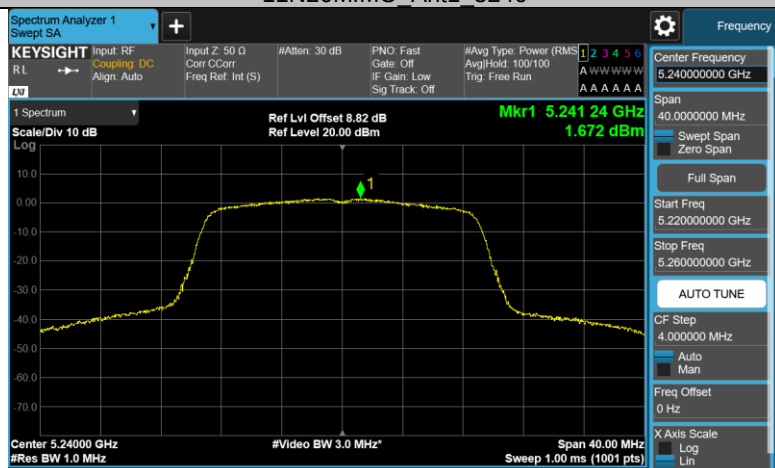
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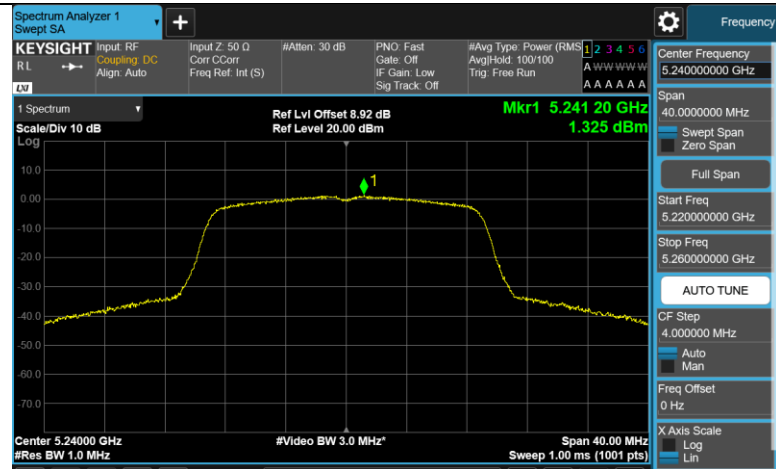
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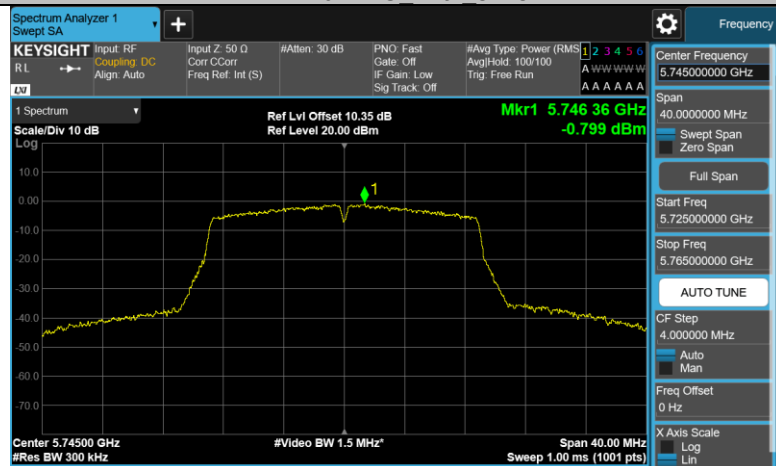
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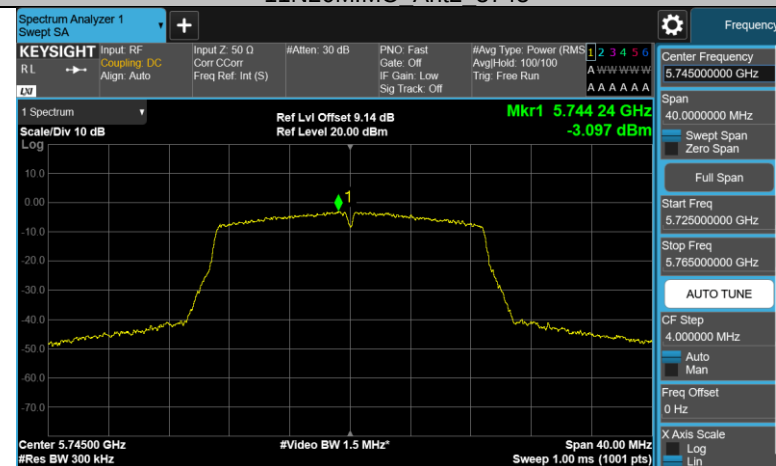
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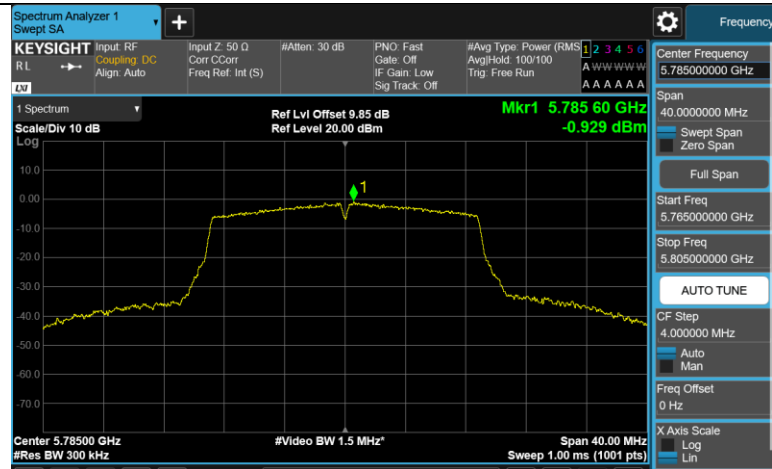
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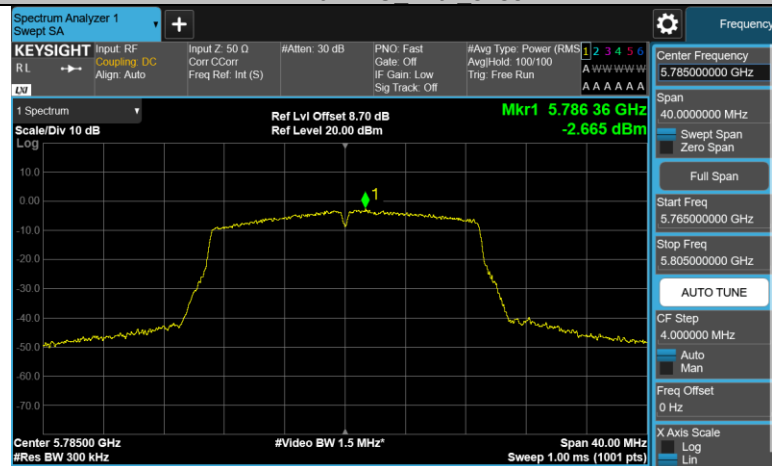
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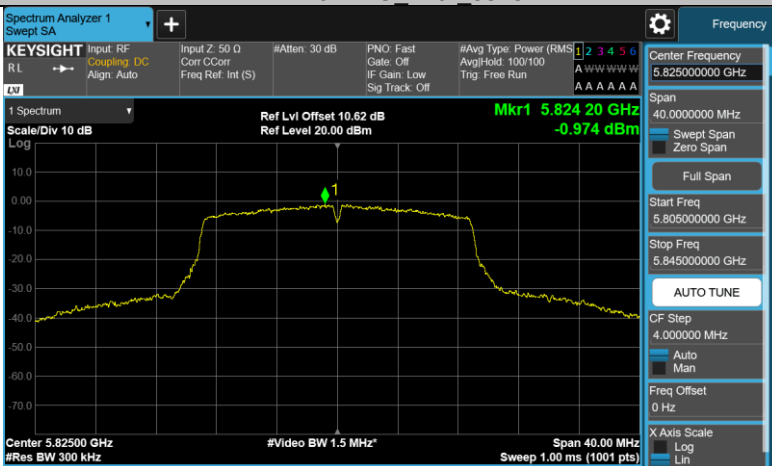
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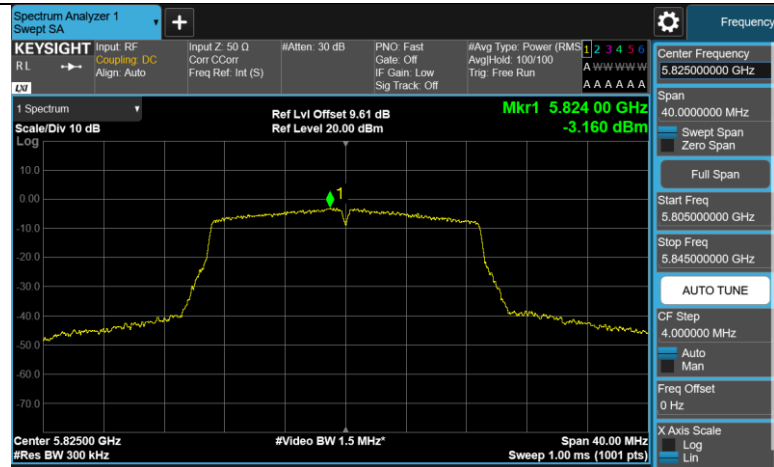
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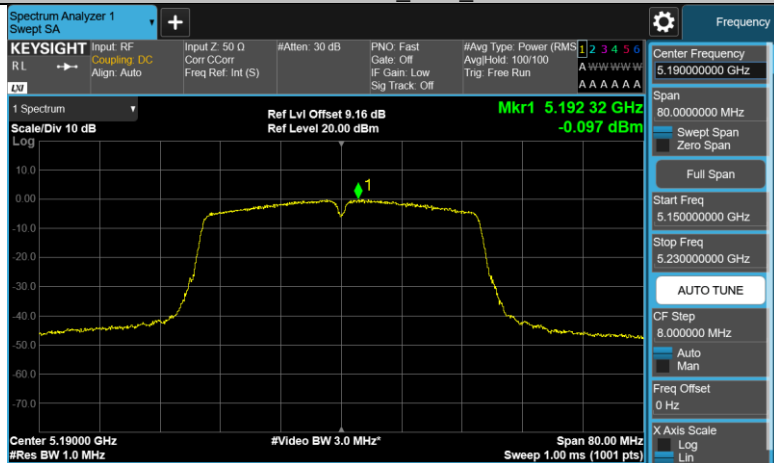
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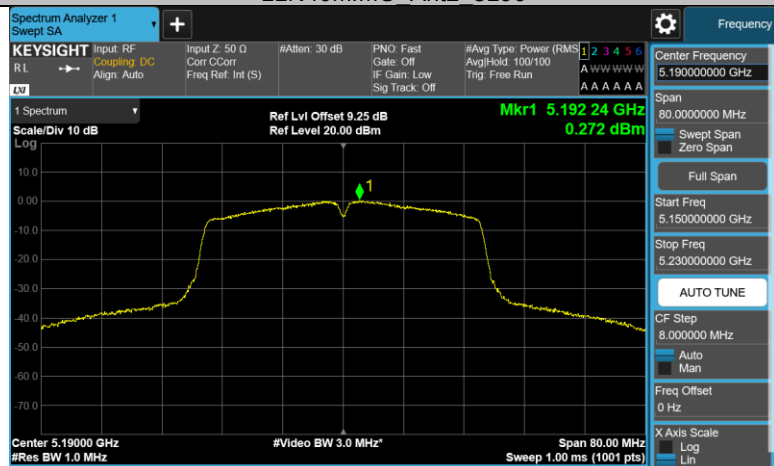
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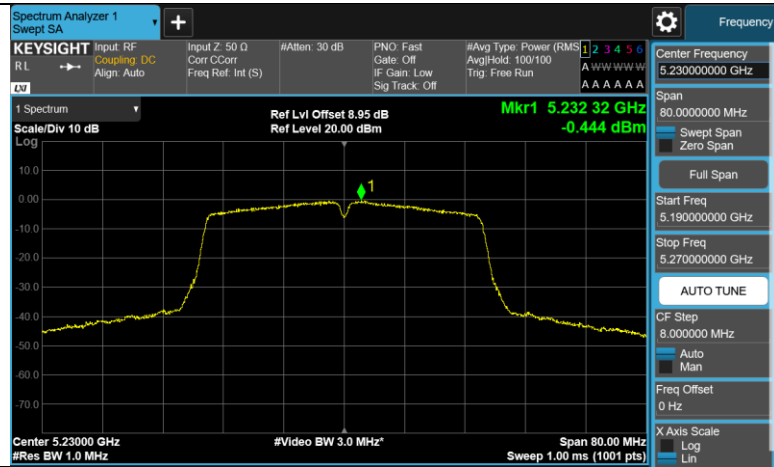
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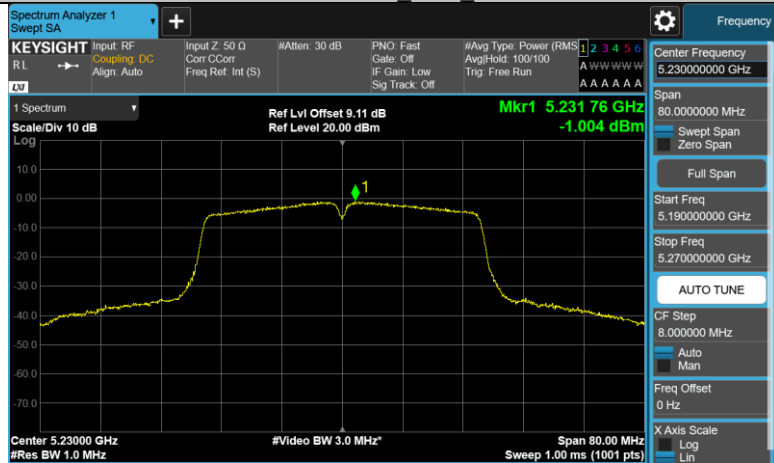
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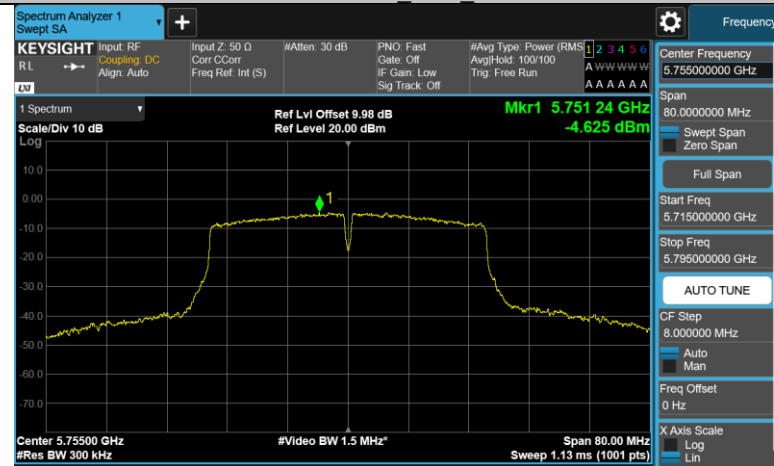
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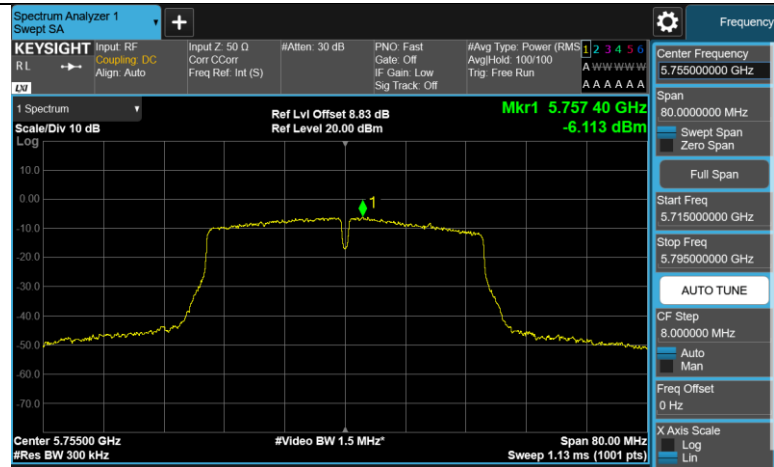
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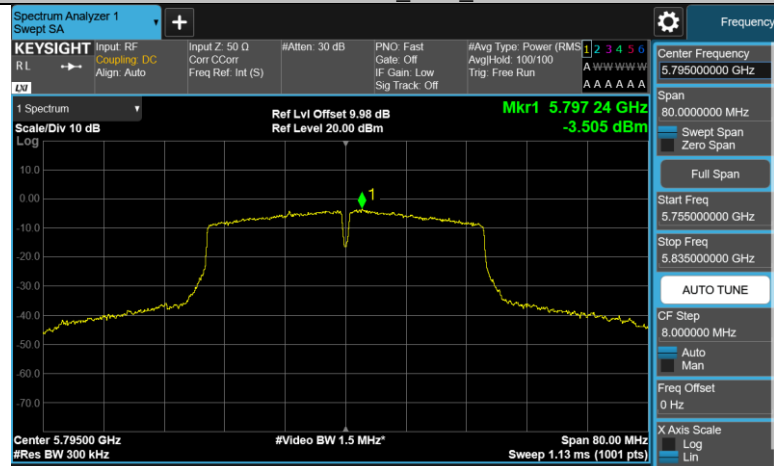
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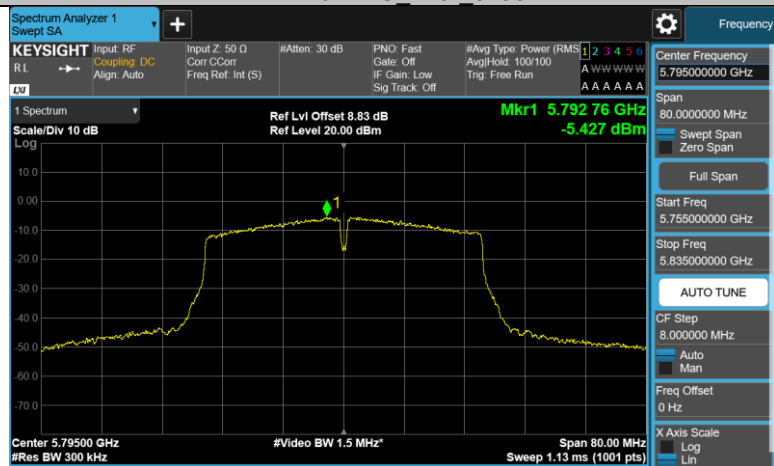
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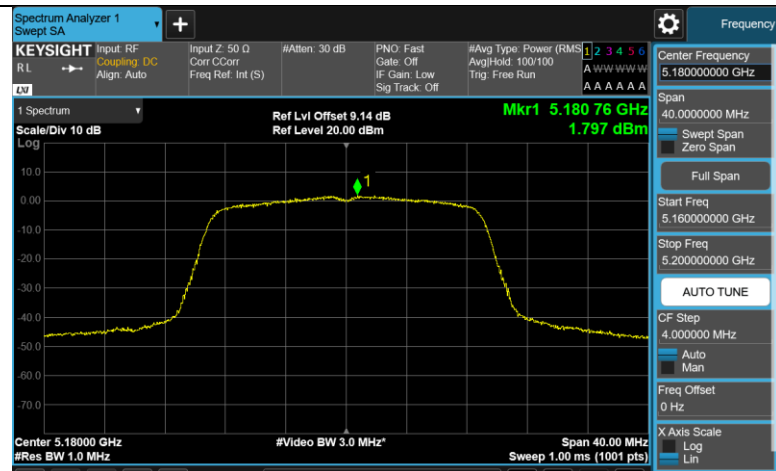
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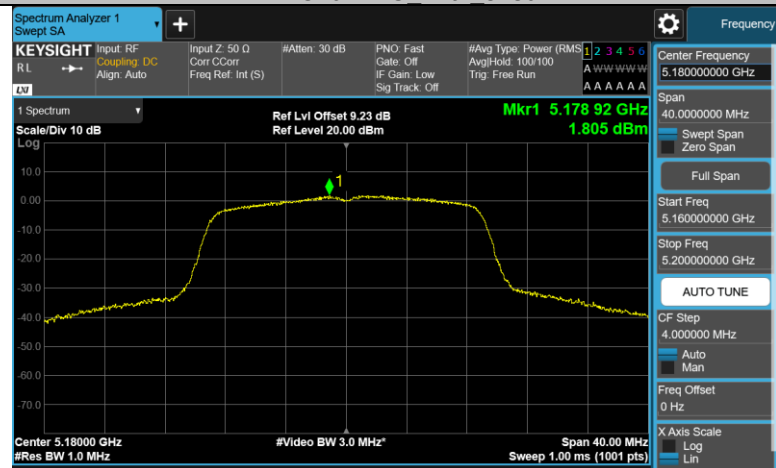
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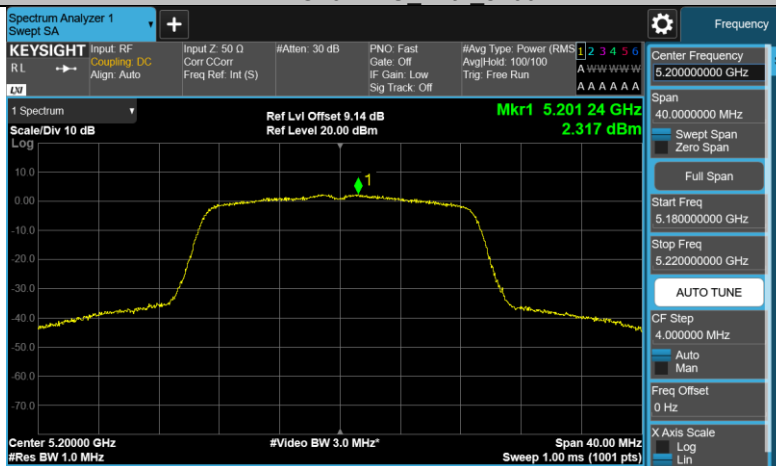
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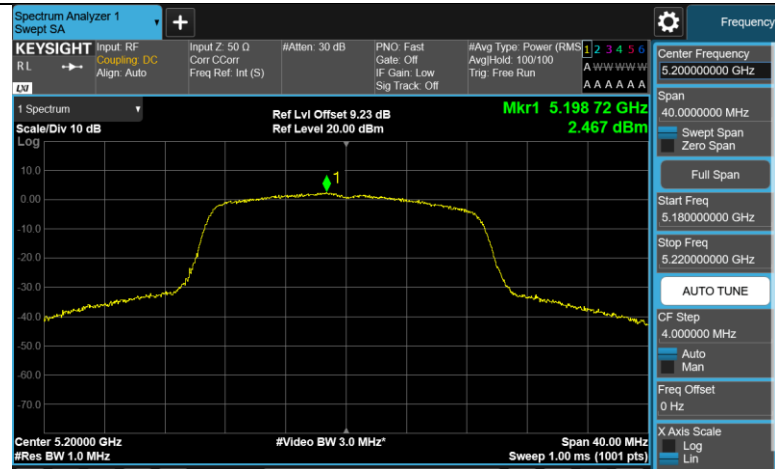
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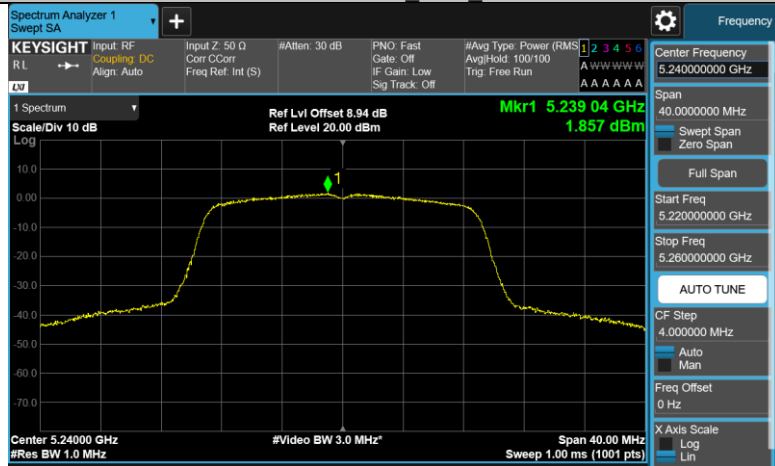
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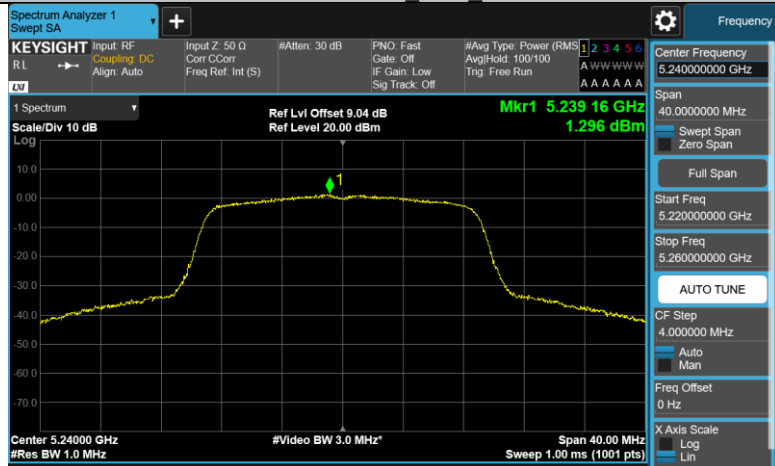
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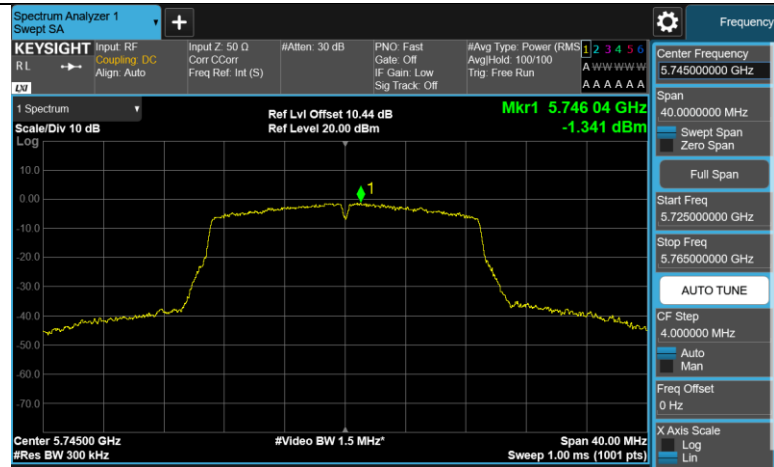
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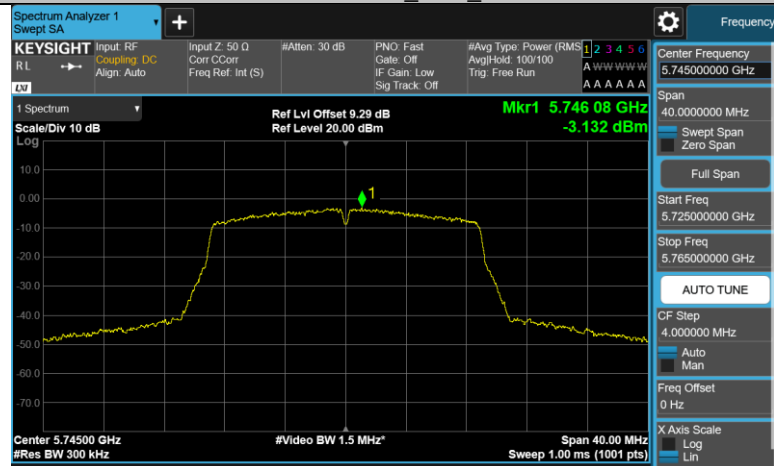
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11AC20MIMO_Ant1_5745



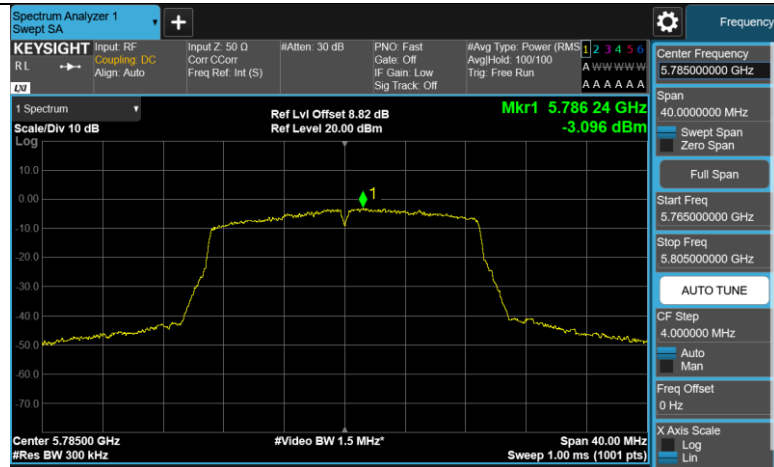
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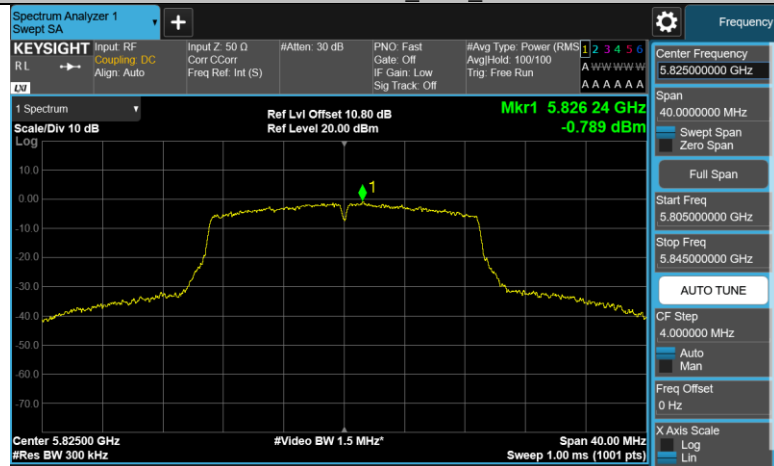
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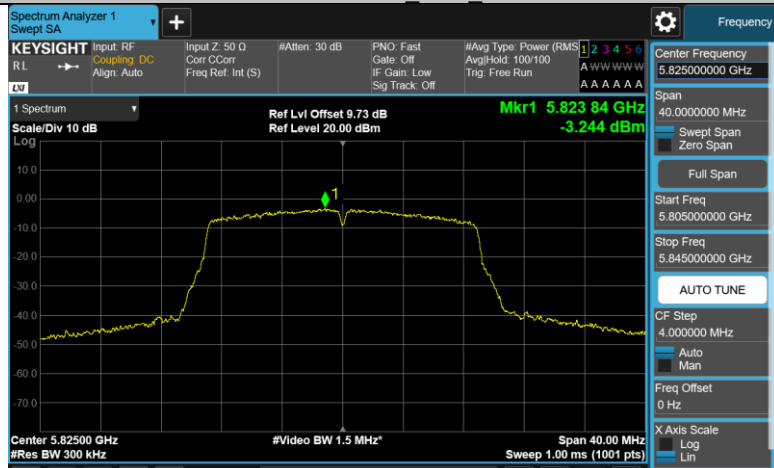
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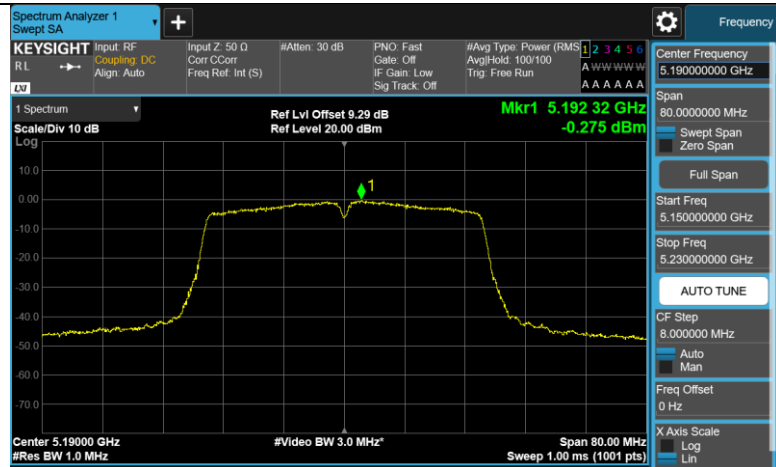
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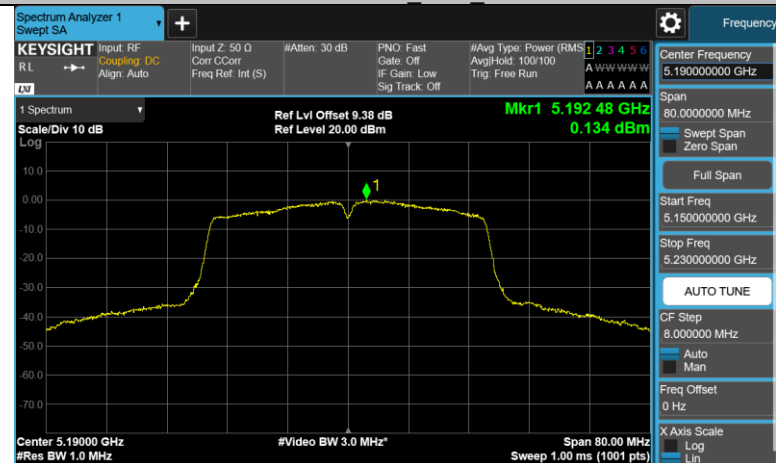
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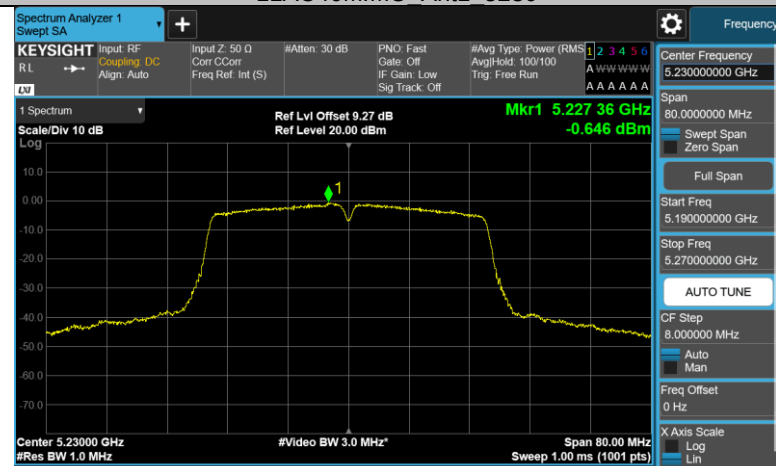
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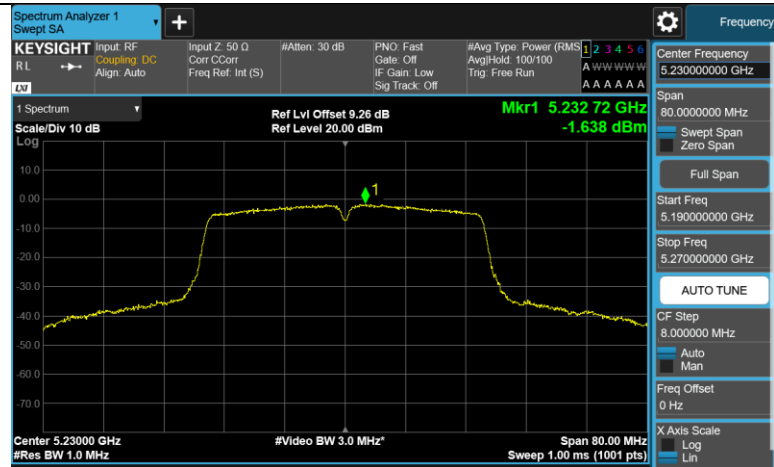
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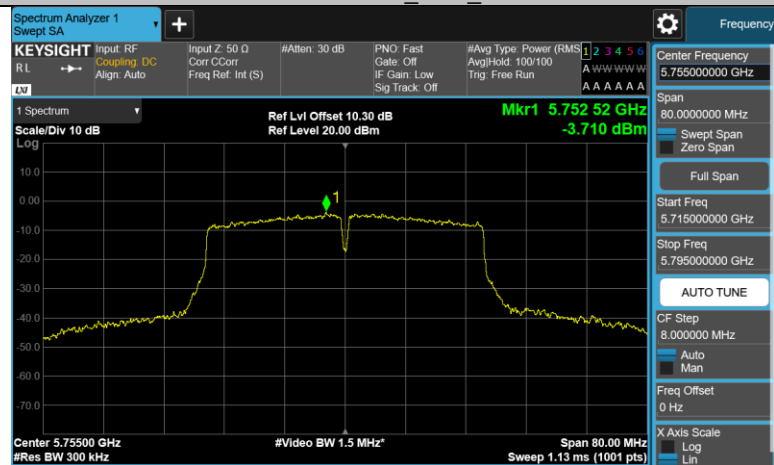
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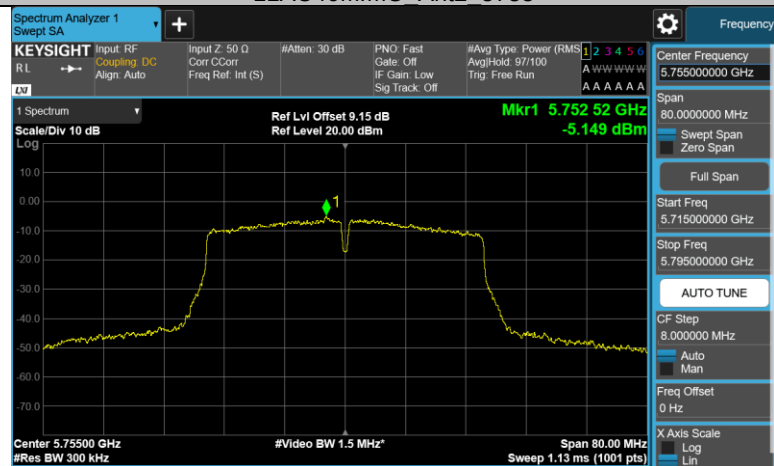
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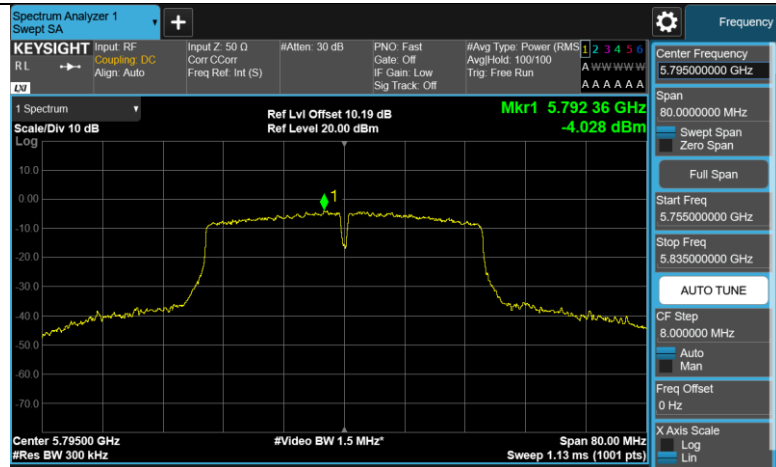
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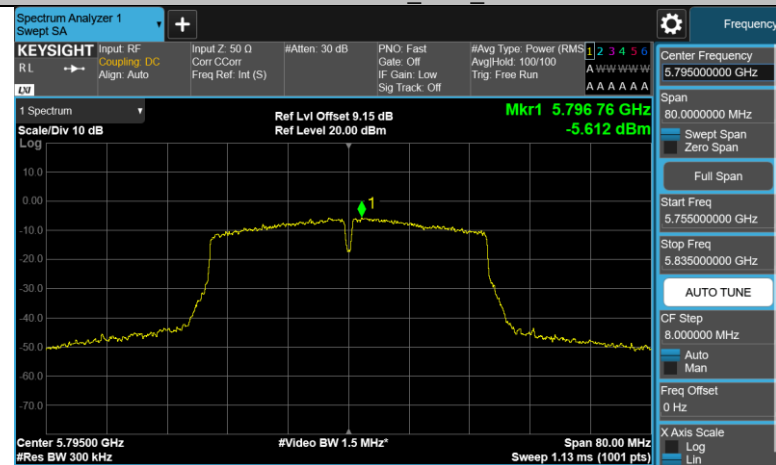
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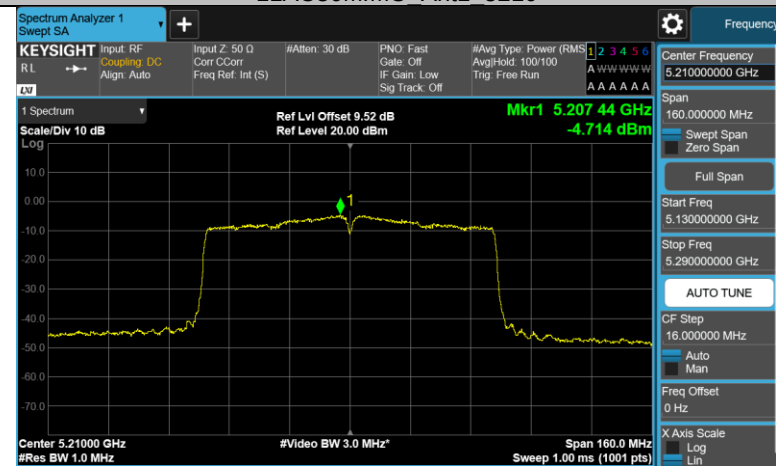
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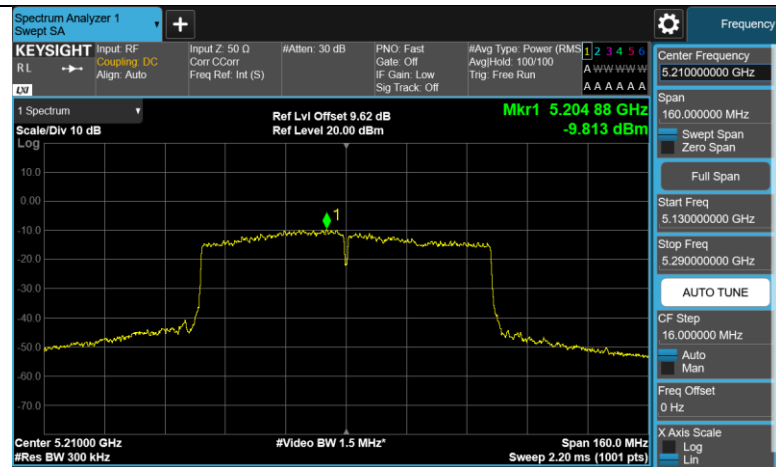
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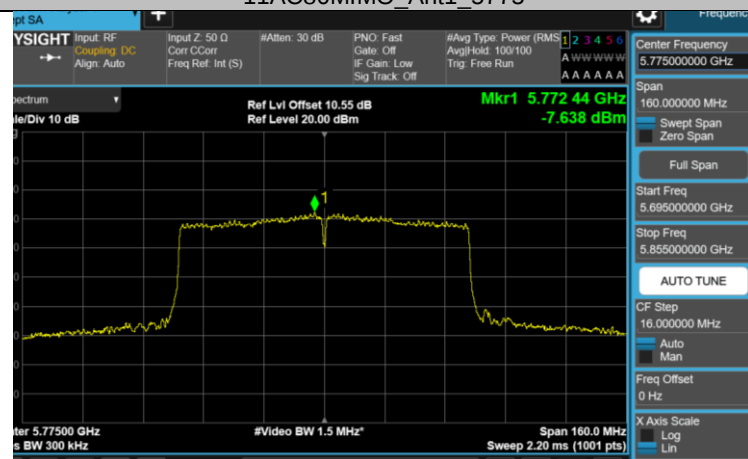
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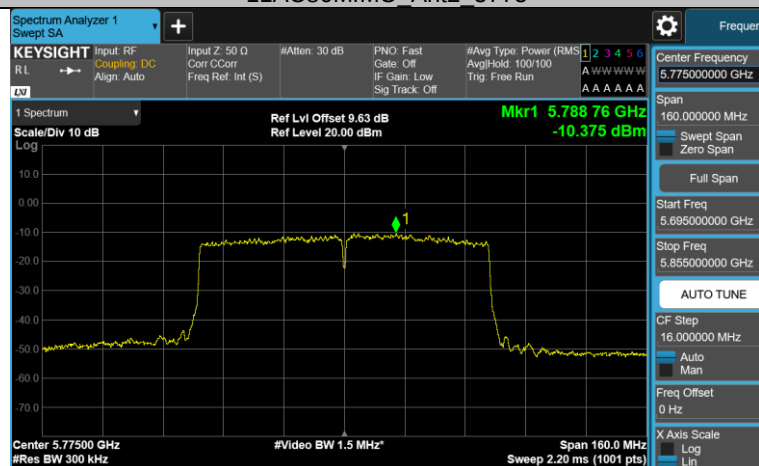
11AC80MIMO_Ant2_5210



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



Appendix B.3: Test Results of Frequency Stability

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20	Ant1	5180	NA	NT	-7000.00	-1.351351	20	PASS
		5200	NA	NT	-6000.00	-1.153846	20	PASS
		5240	NA	NT	5000.00	0.954198	20	PASS
		5745	NA	NT	24000.00	4.177546	20	PASS
		5785	NA	NT	52000.00	8.988764	20	PASS
		5825	NA	NT	47000.00	8.068670	20	PASS
11AC40	Ant1	5190	NA	NT	47000.00	9.055877	20	PASS
		5230	NA	NT	47000.00	8.986616	20	PASS
		5755	NA	NT	46000.00	7.993050	20	PASS
		5795	NA	NT	71000.00	12.251941	20	PASS
11AC80	Ant1	5210	NA	NT	56000.00	10.748560	20	PASS
		5775	NA	NT	56000.00	9.696970	20	PASS