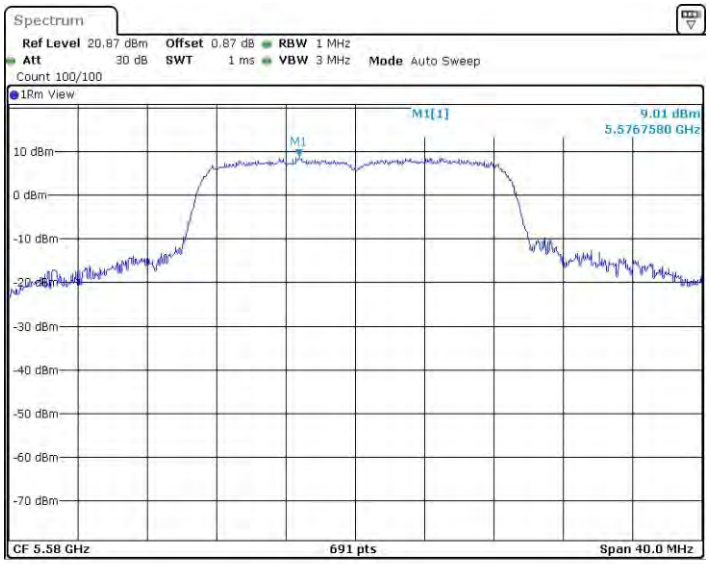
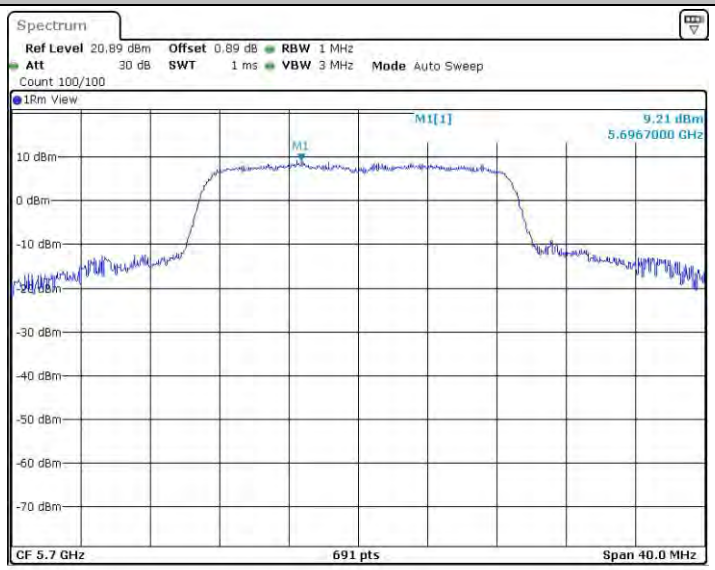


11AC20SISO_Ant1_5580

11AC20SISO_Ant2_5580



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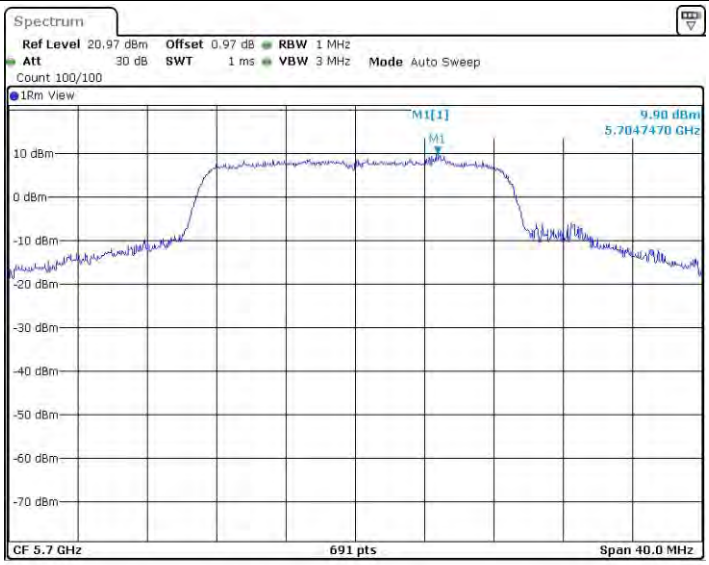

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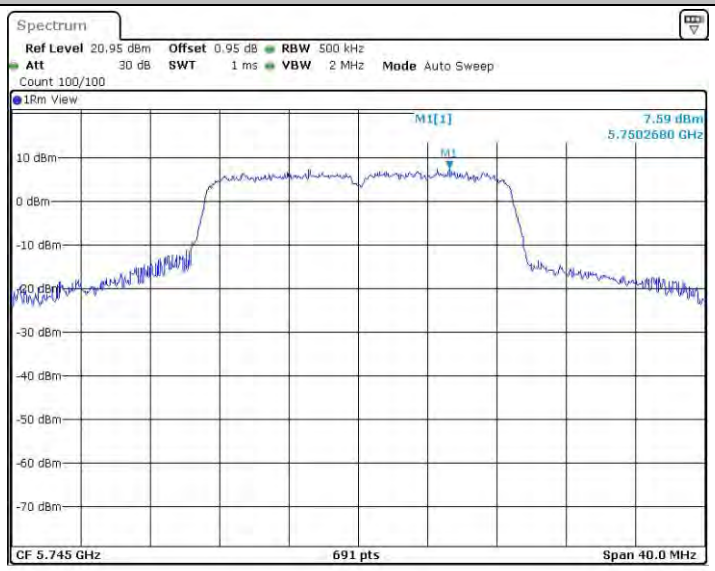

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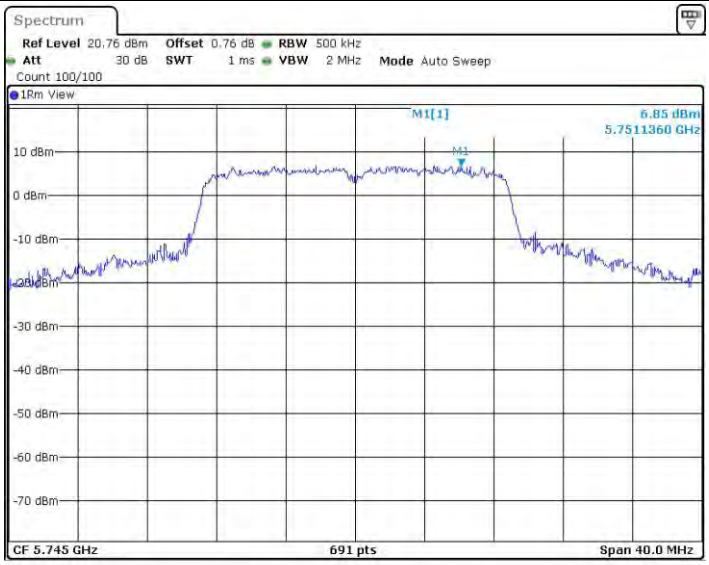

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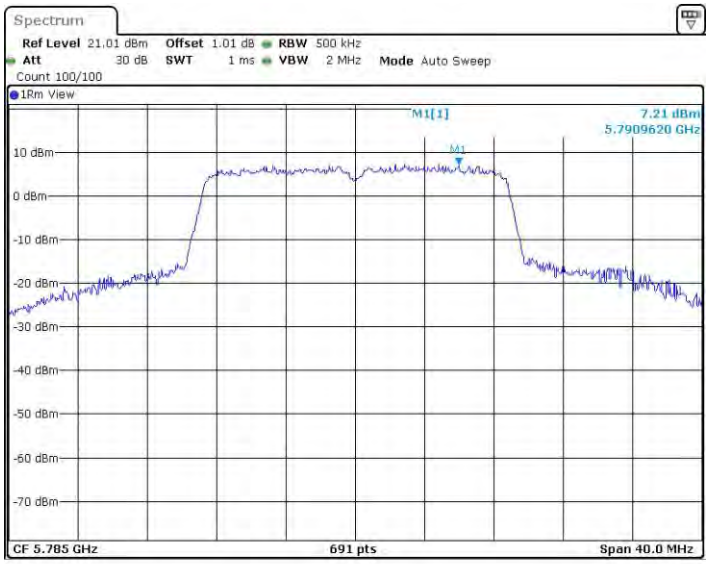

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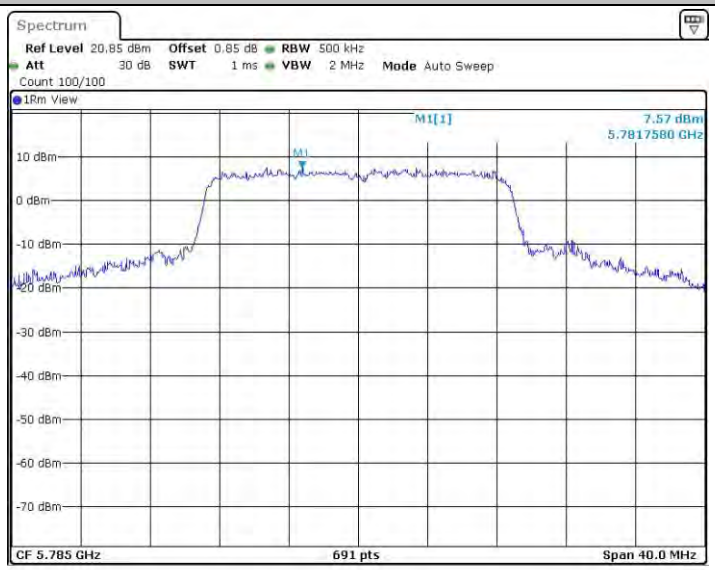

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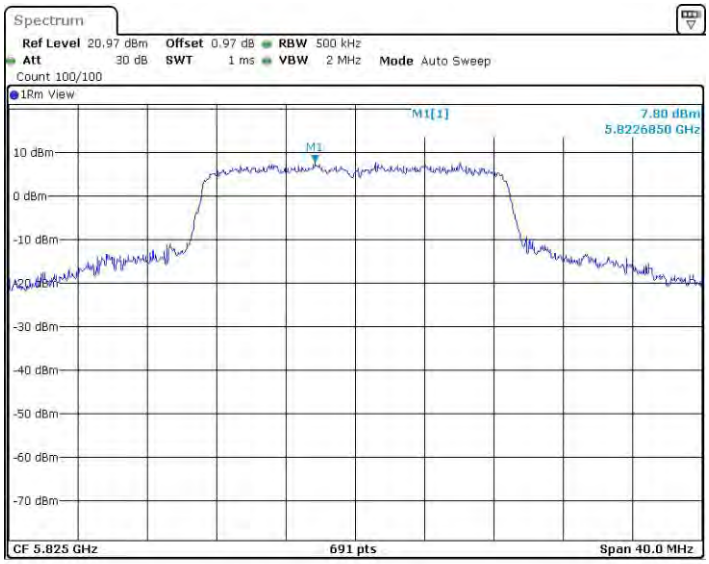

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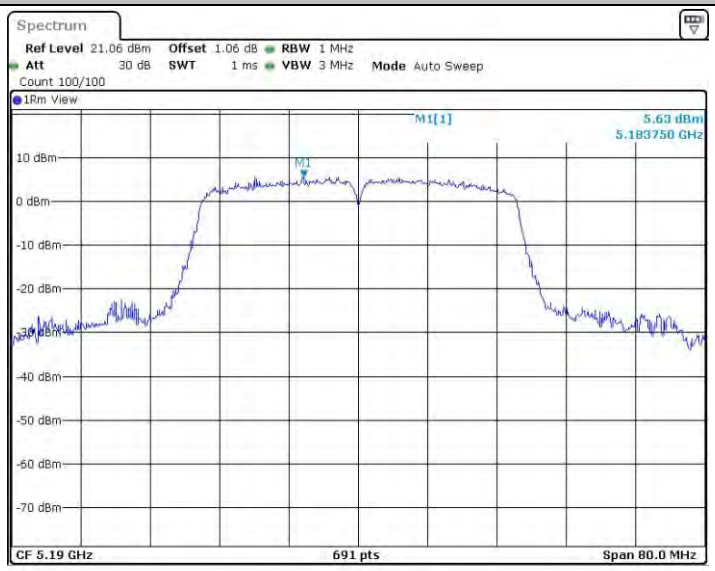

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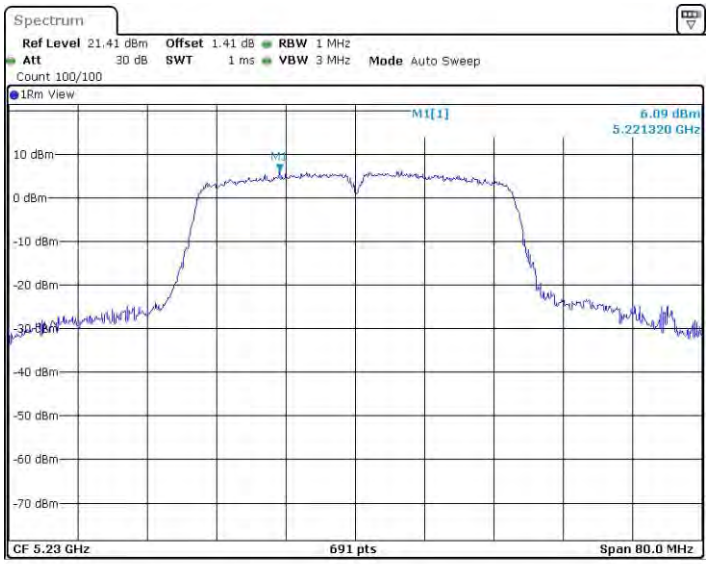

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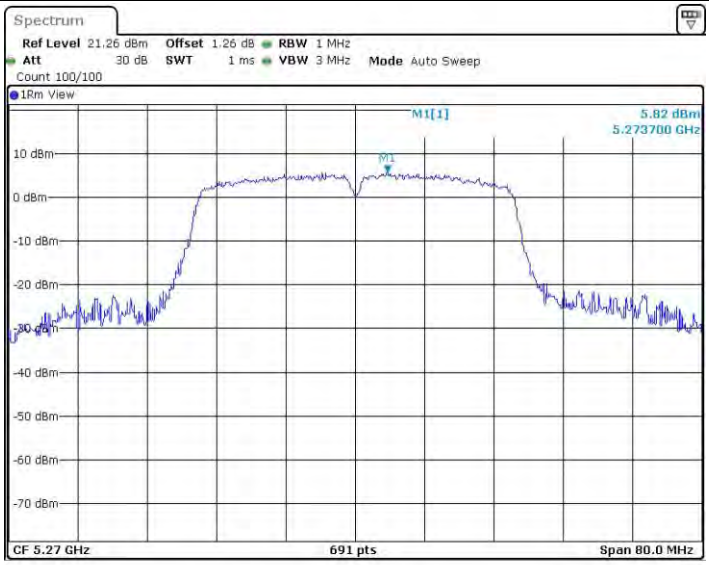
11AC40SISO_Ant2_5230



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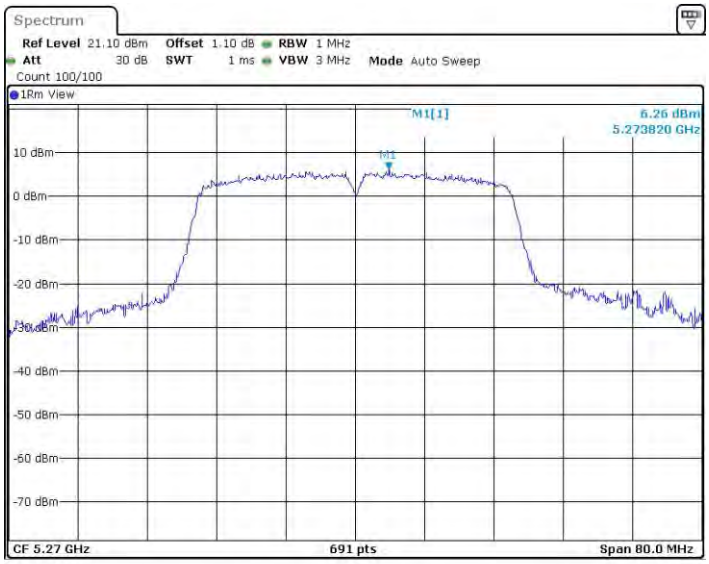

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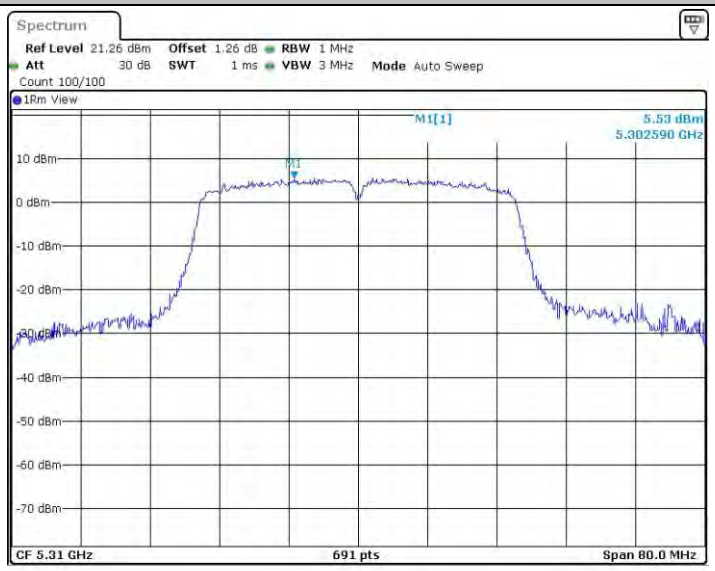

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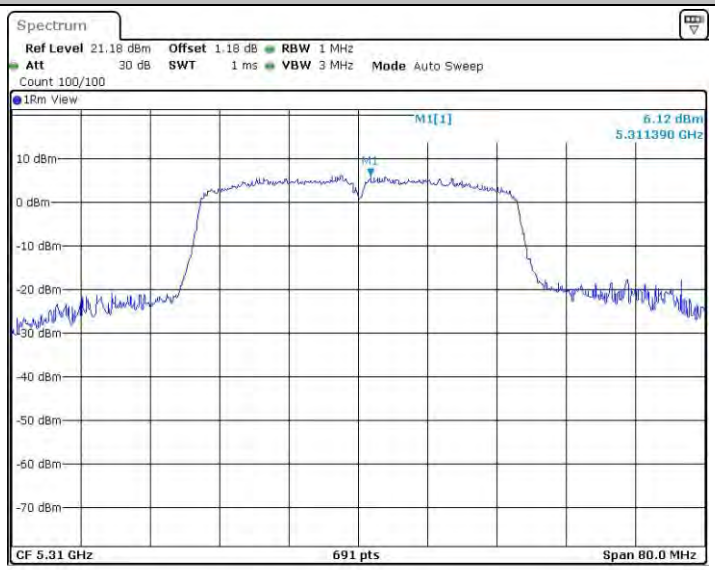

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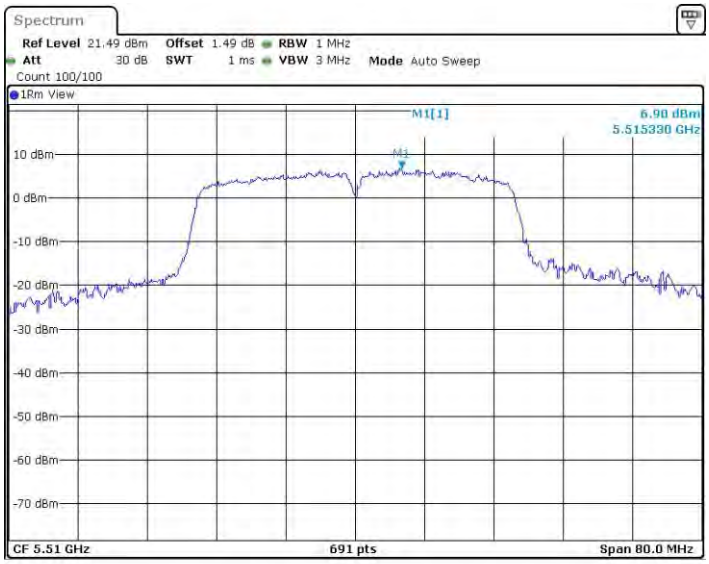

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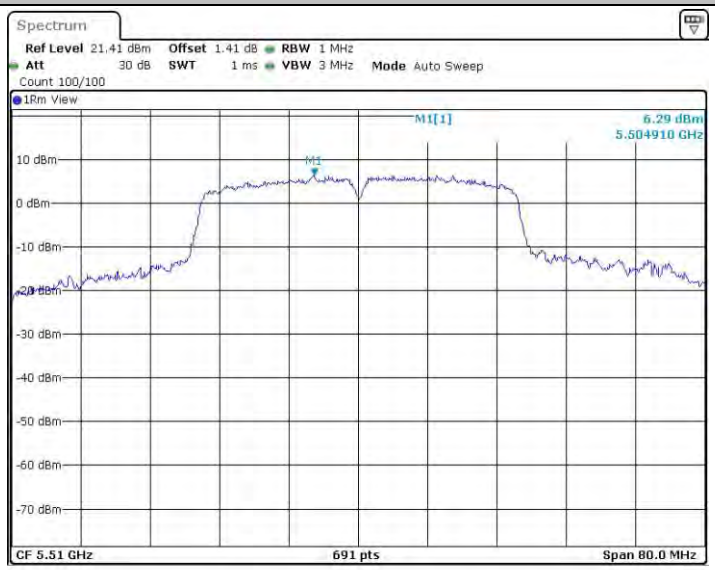

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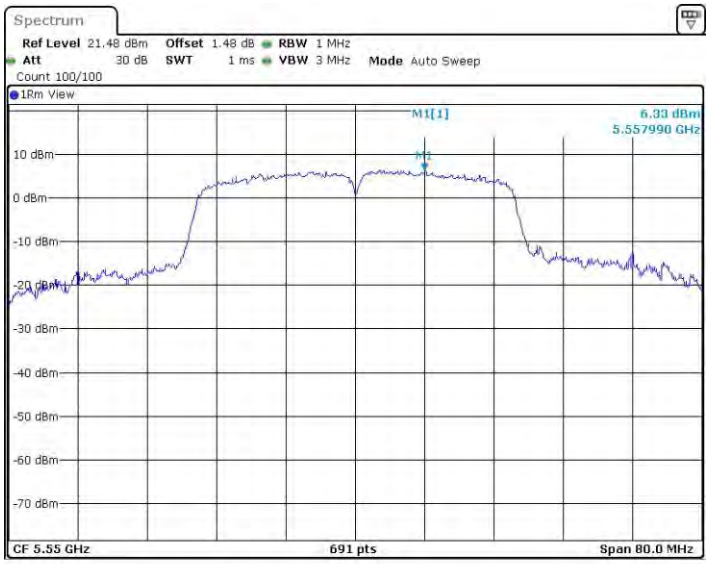
11AC40SISO_Ant1_5550



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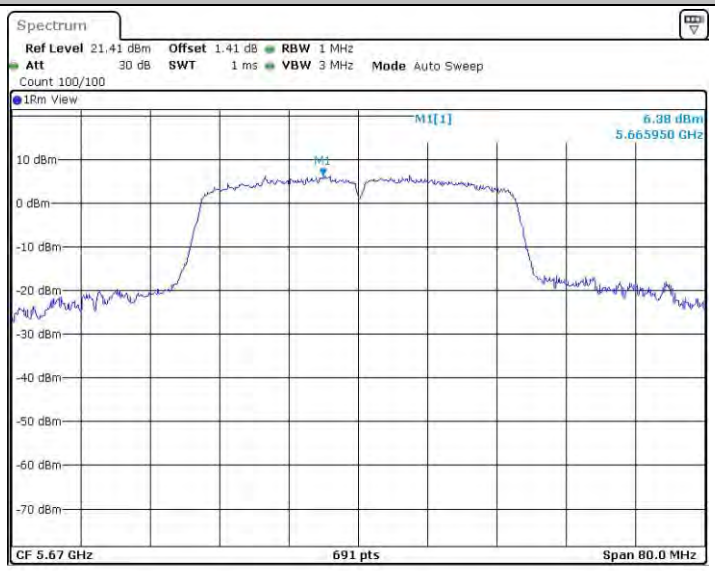

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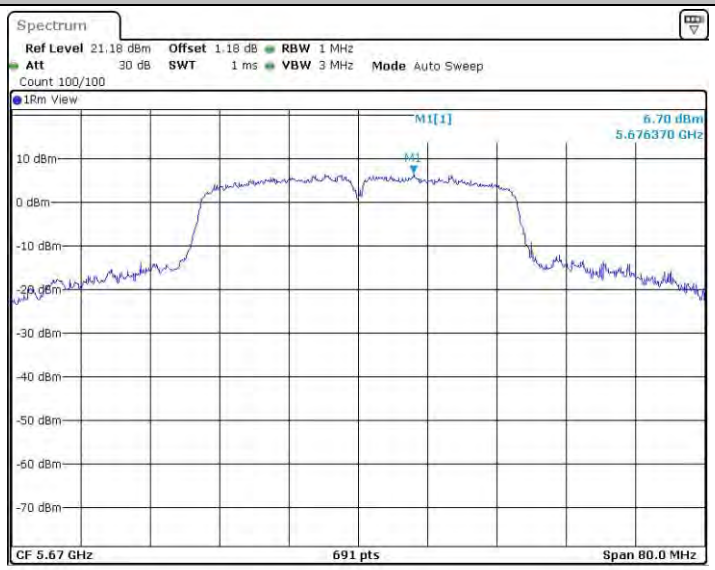

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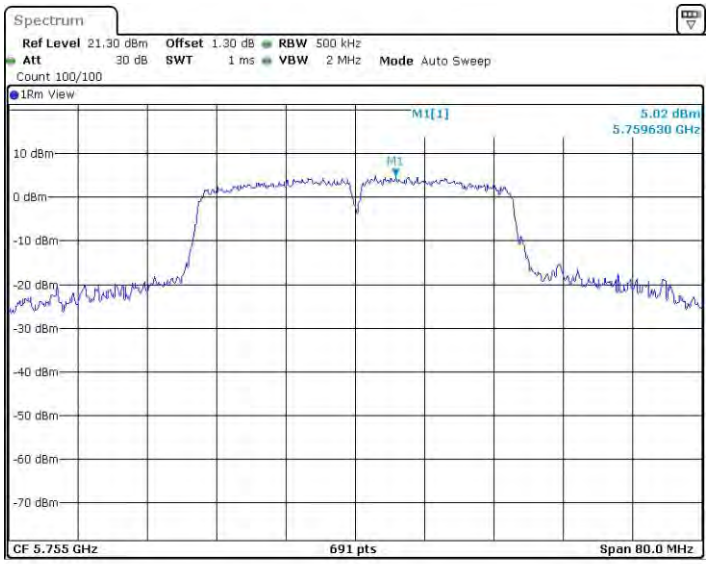

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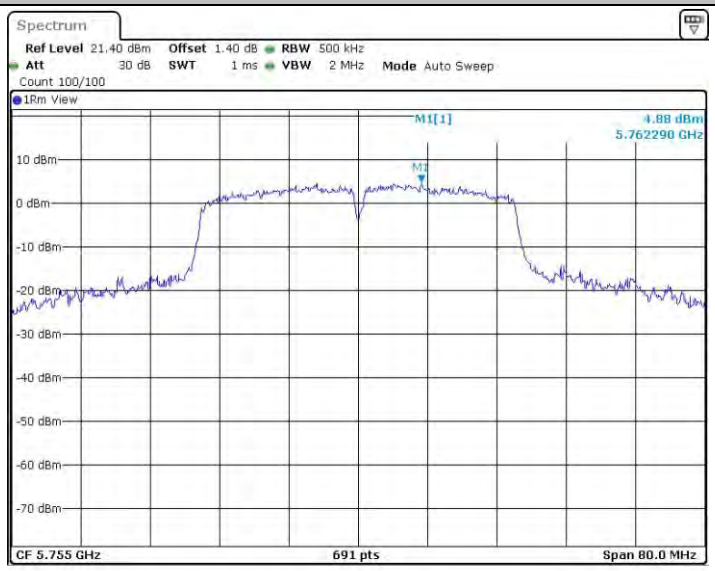

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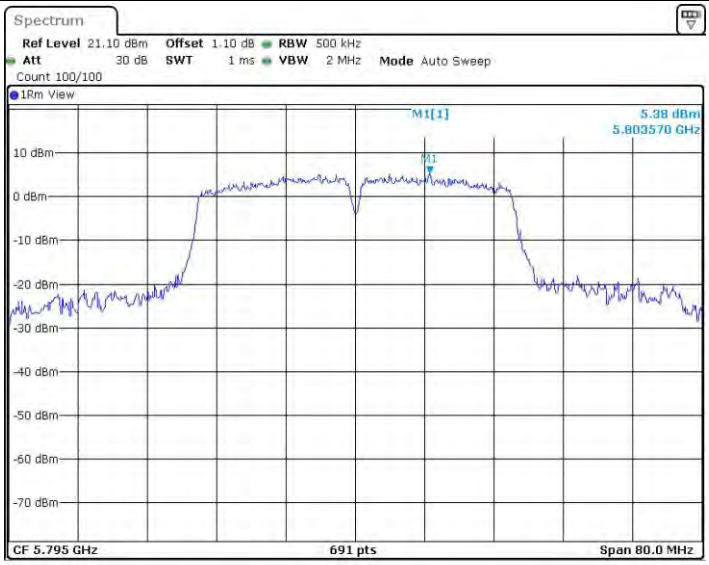

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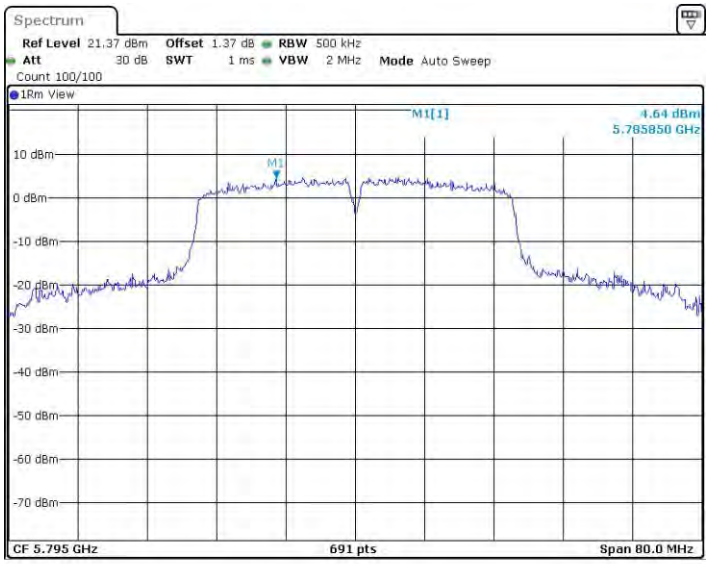

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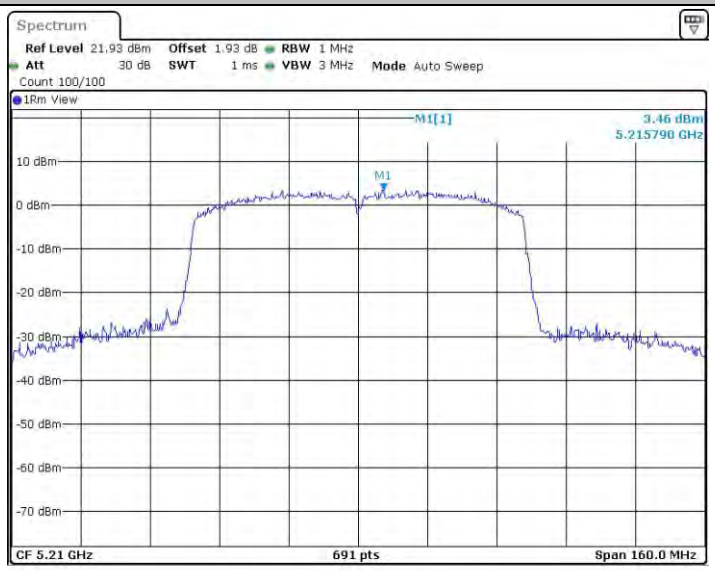

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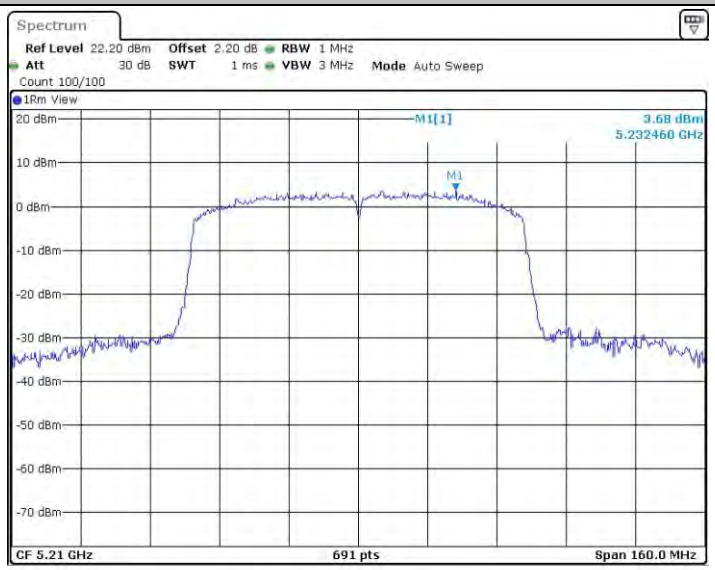

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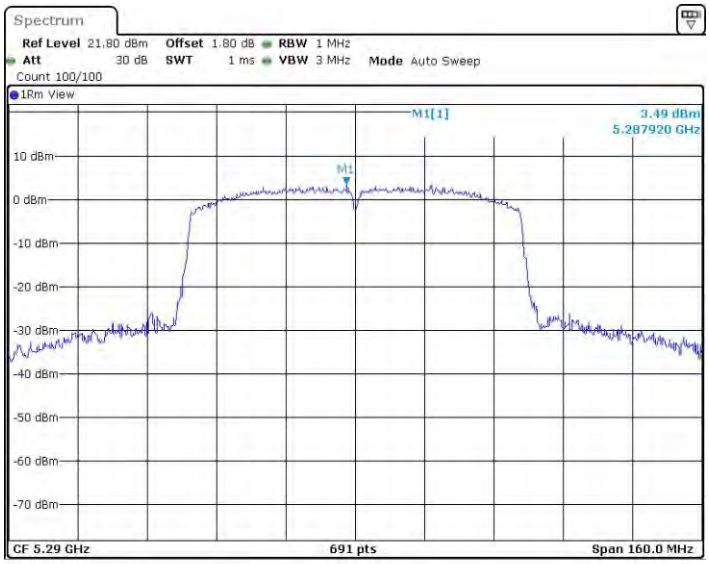

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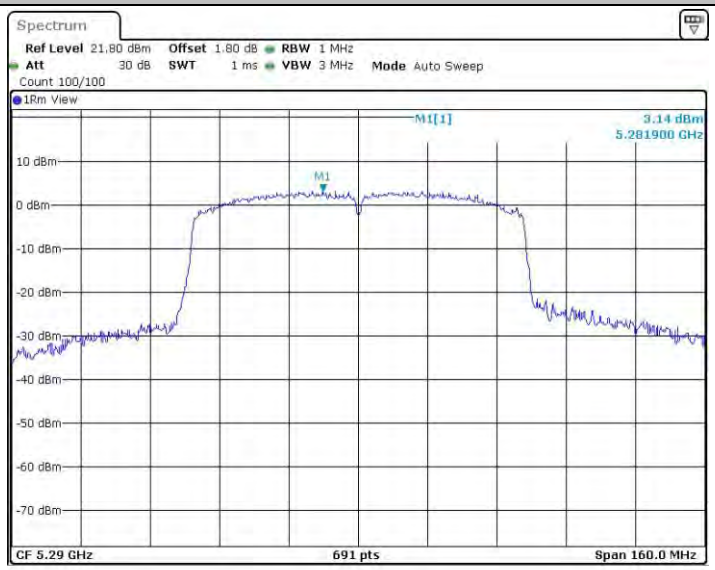

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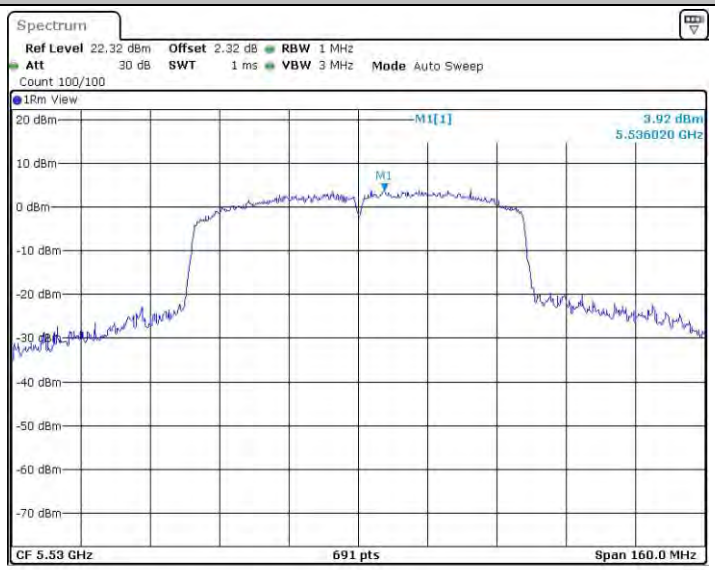

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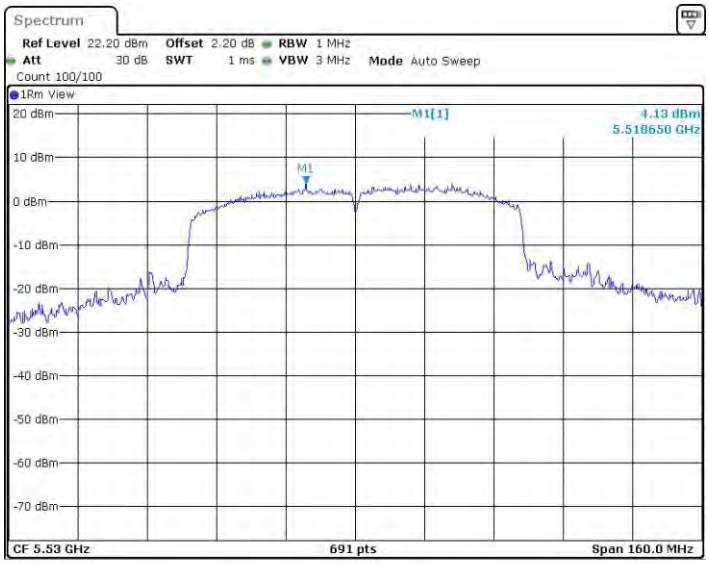

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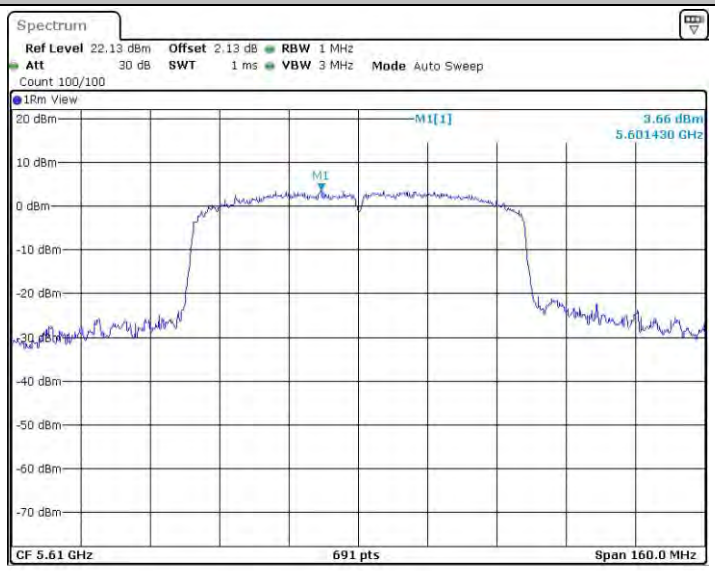

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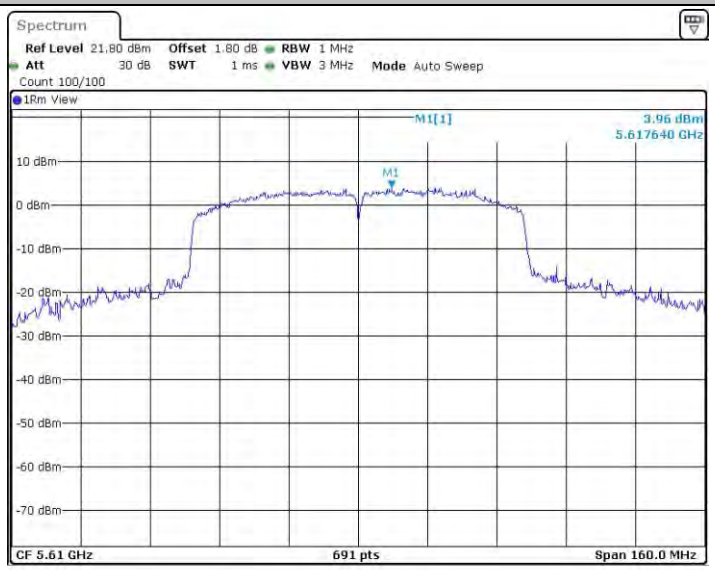

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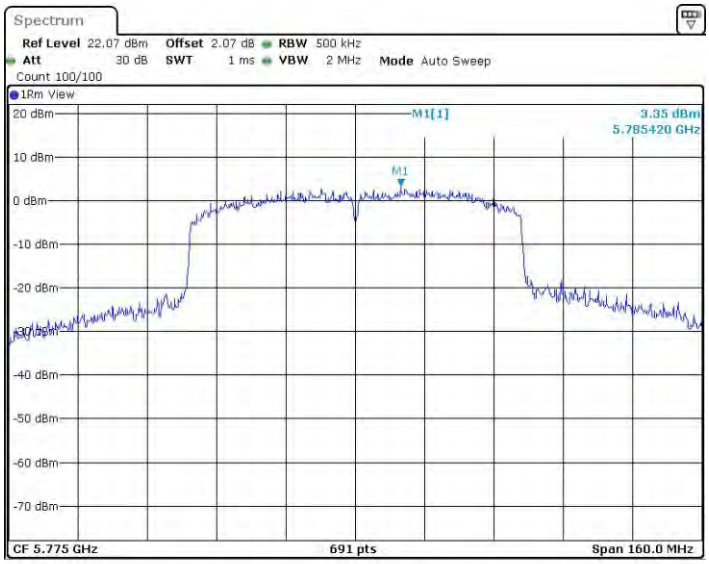

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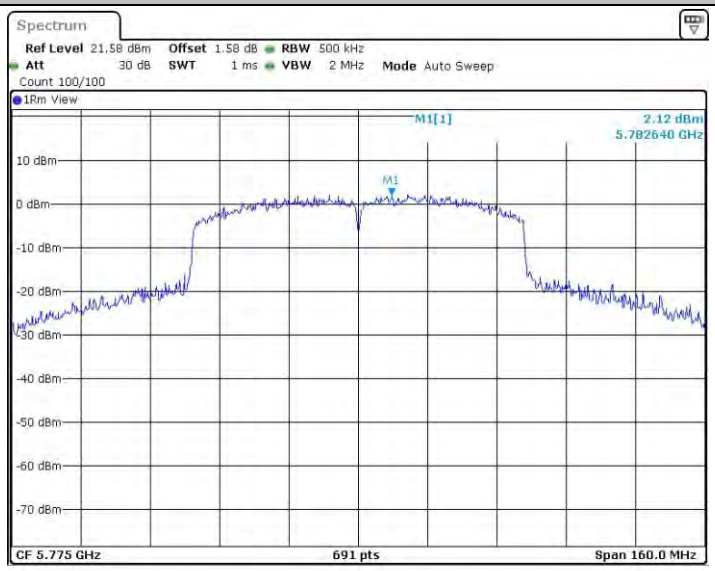

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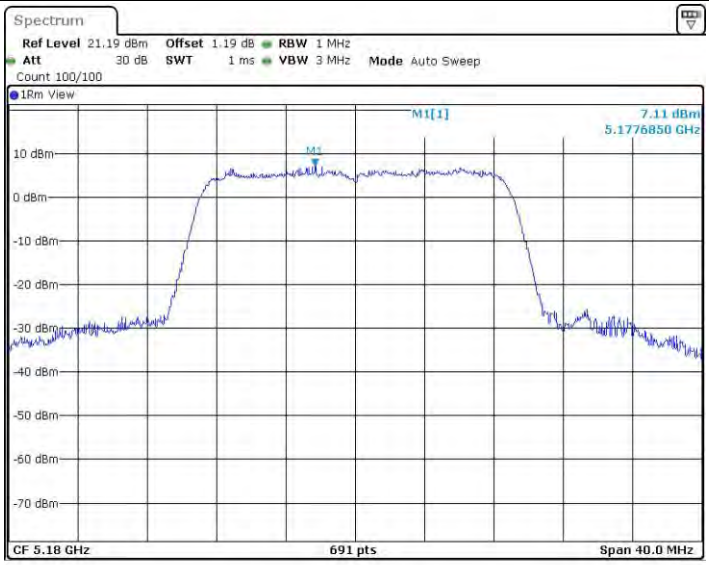

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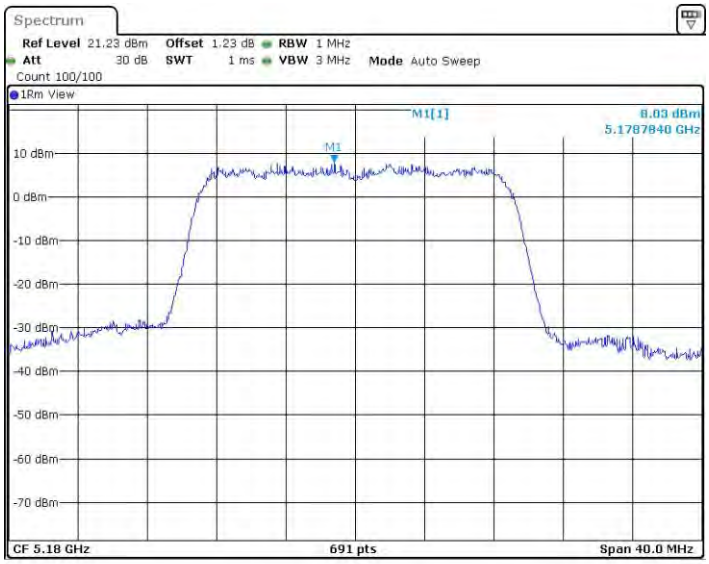

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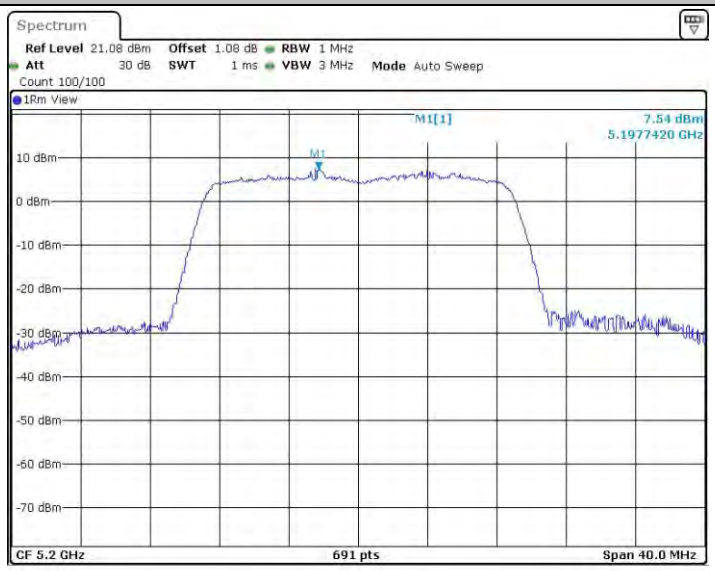

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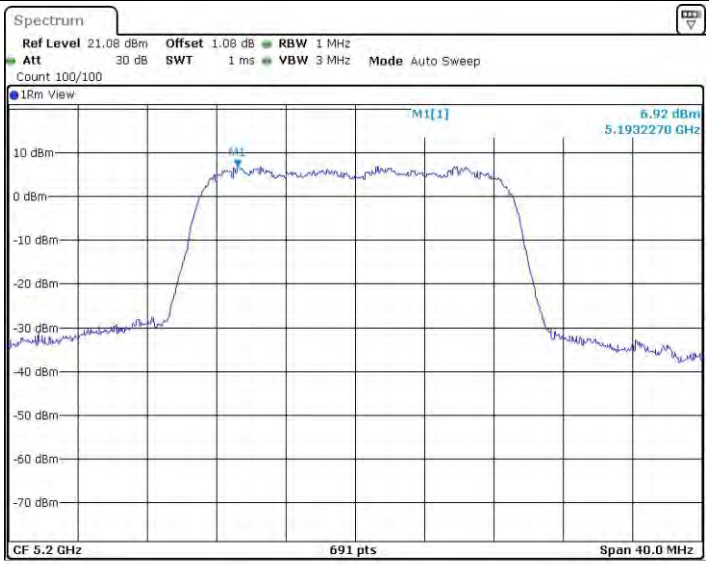

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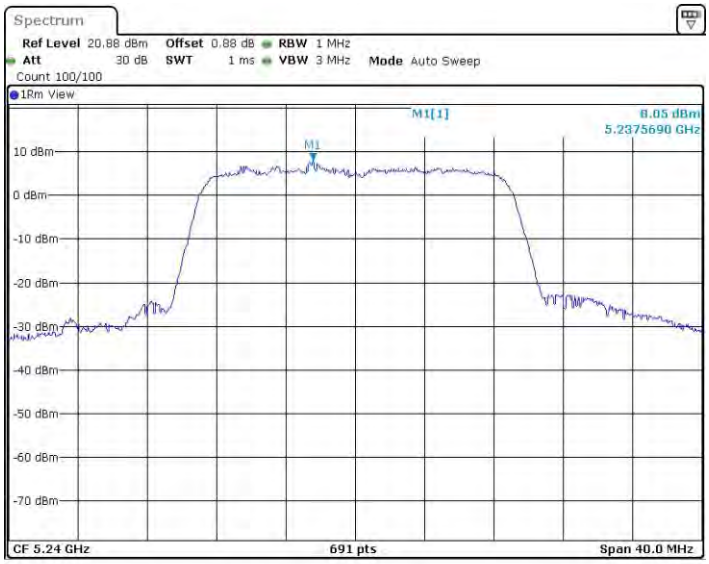

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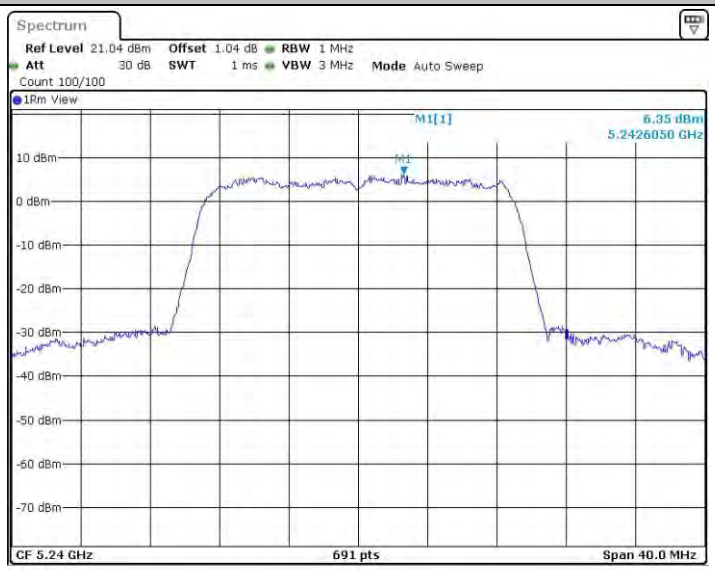

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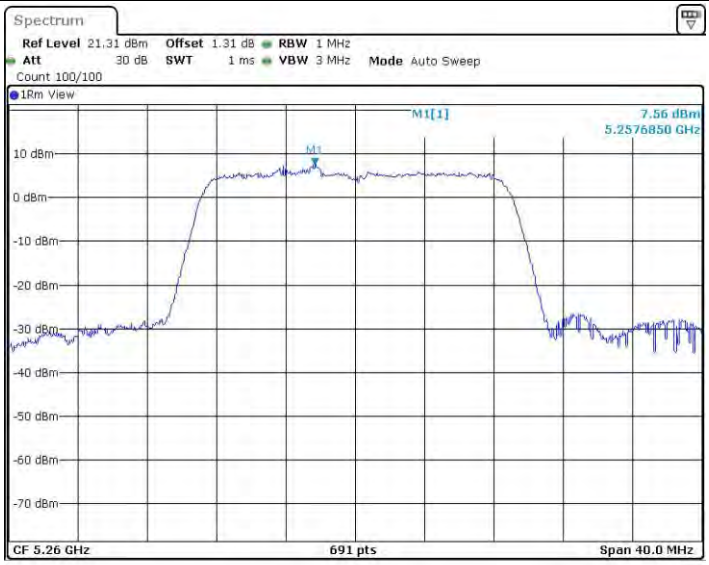

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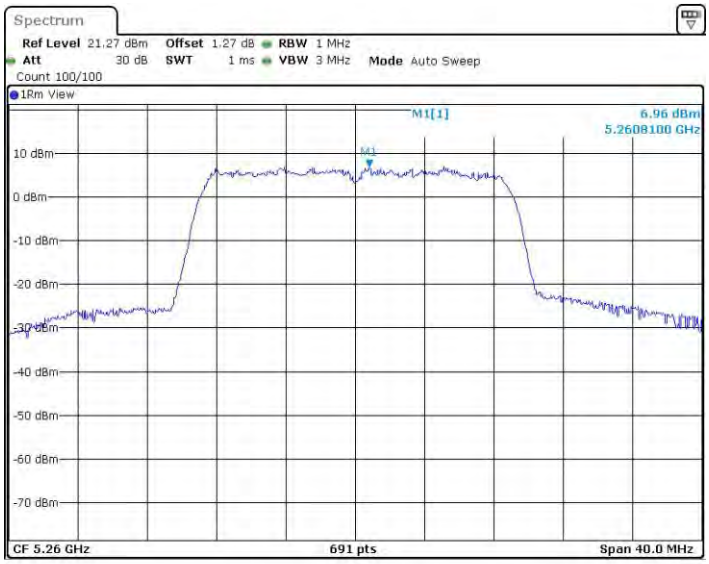

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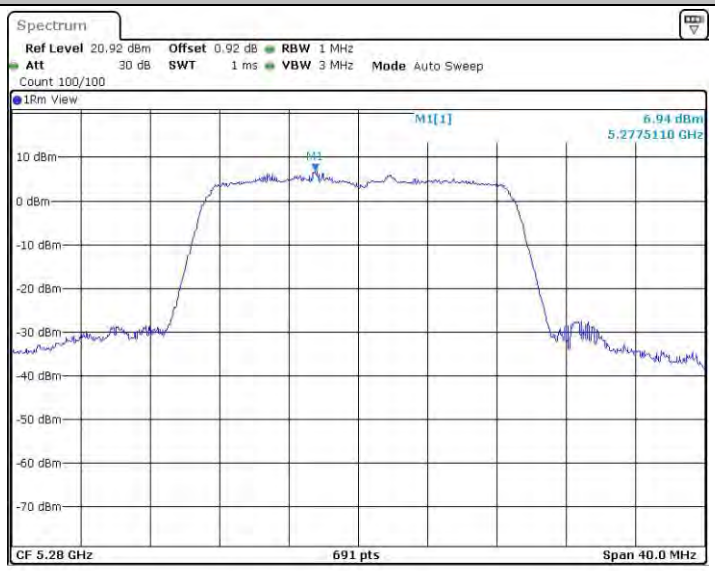

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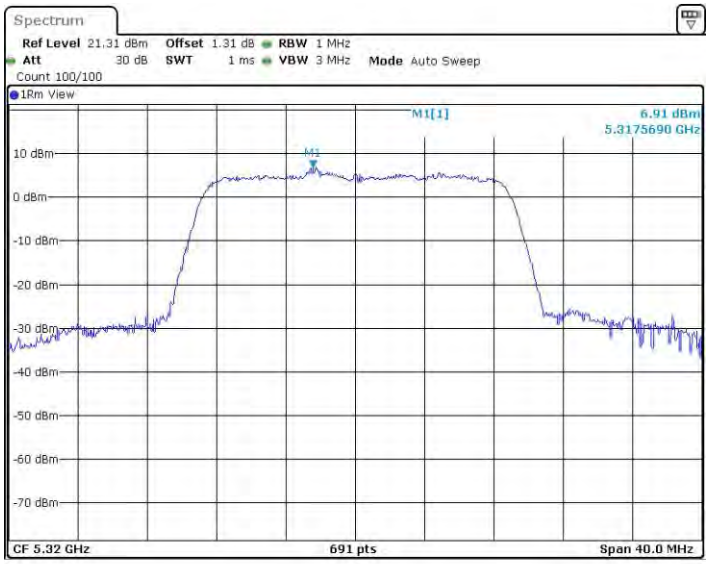

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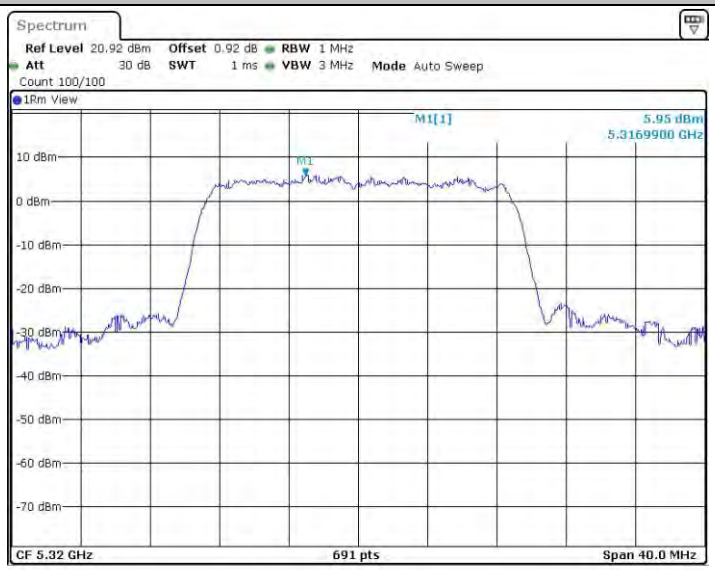

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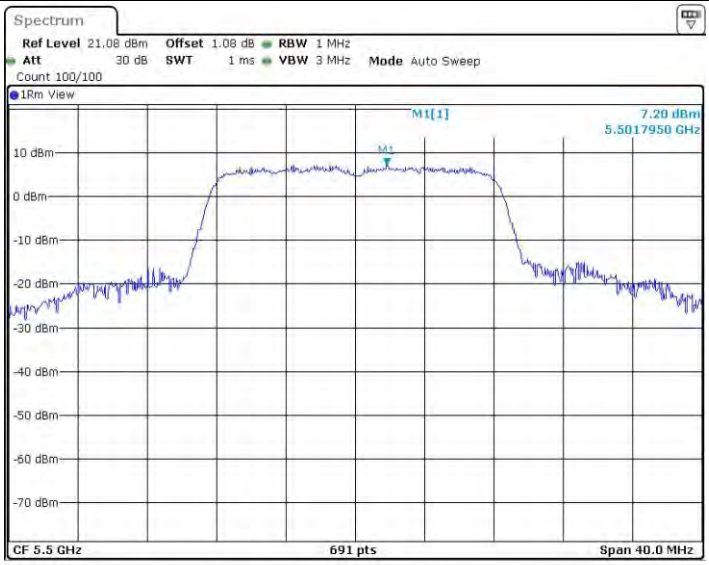

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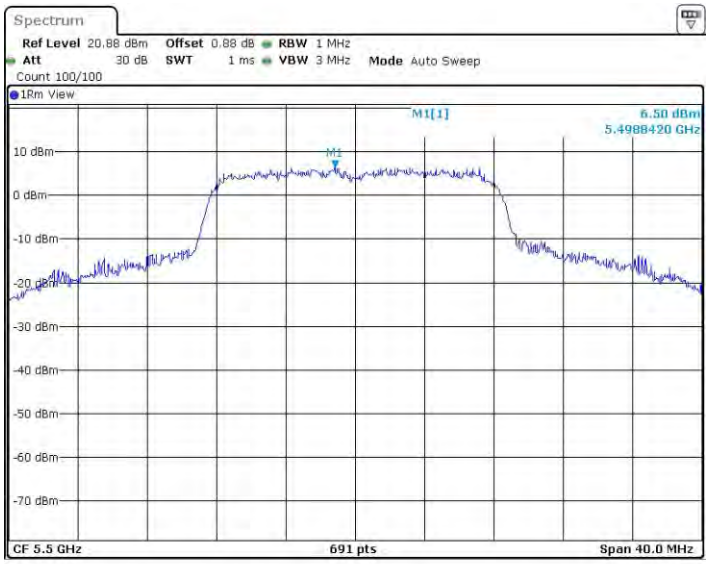

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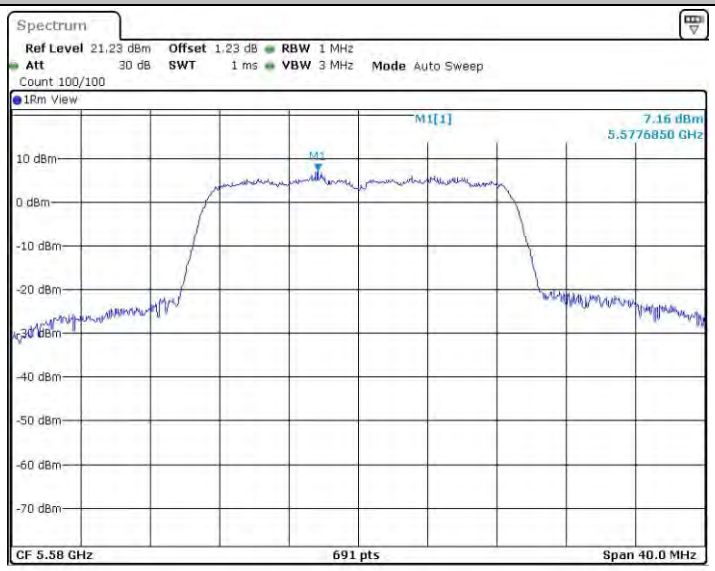

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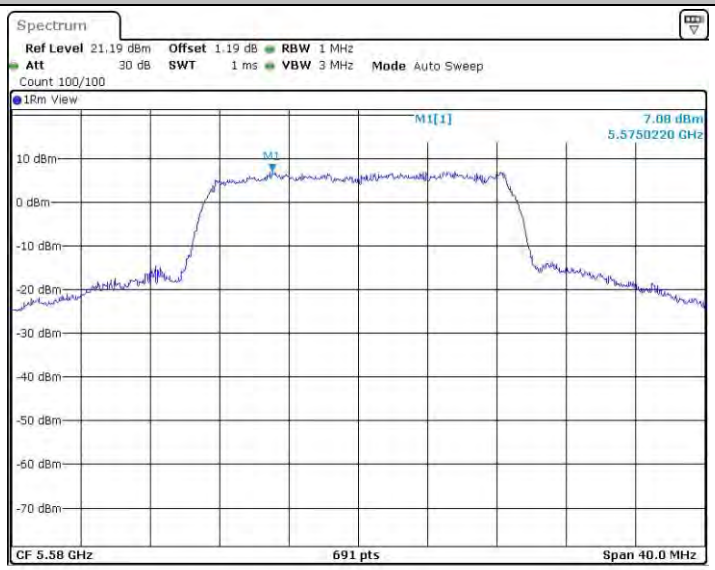

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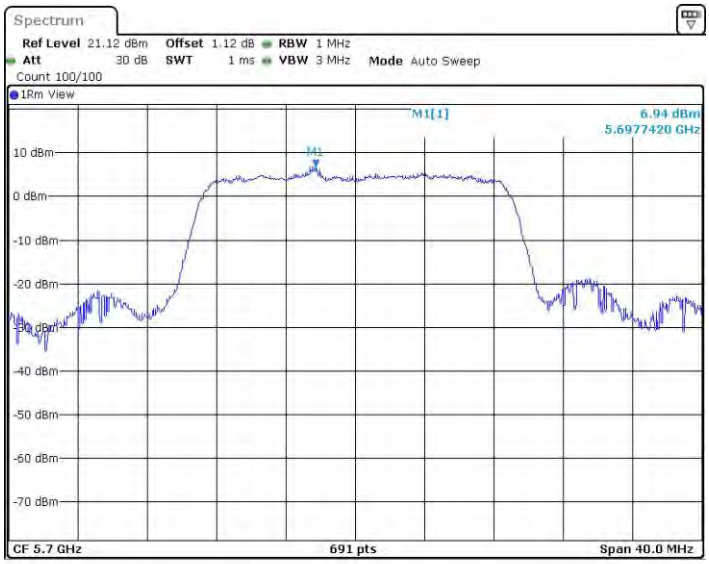

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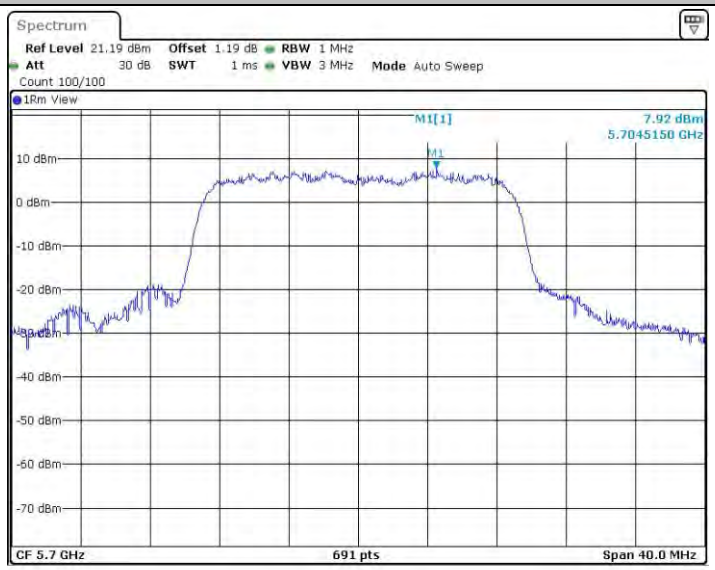

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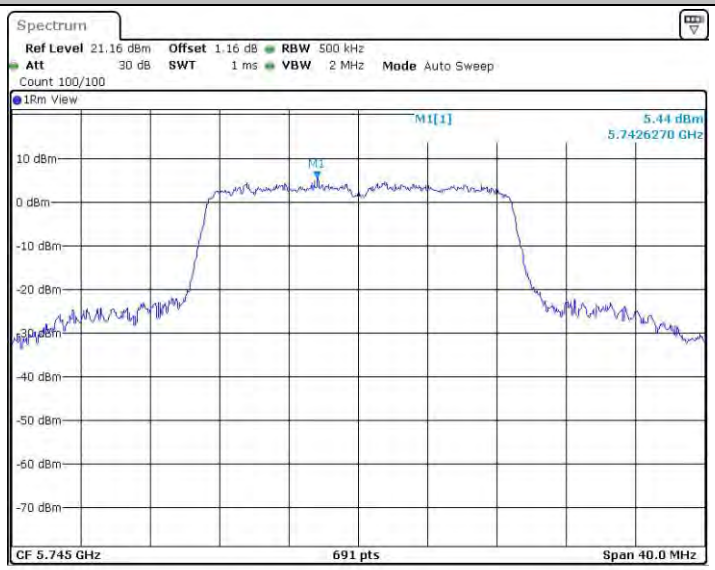

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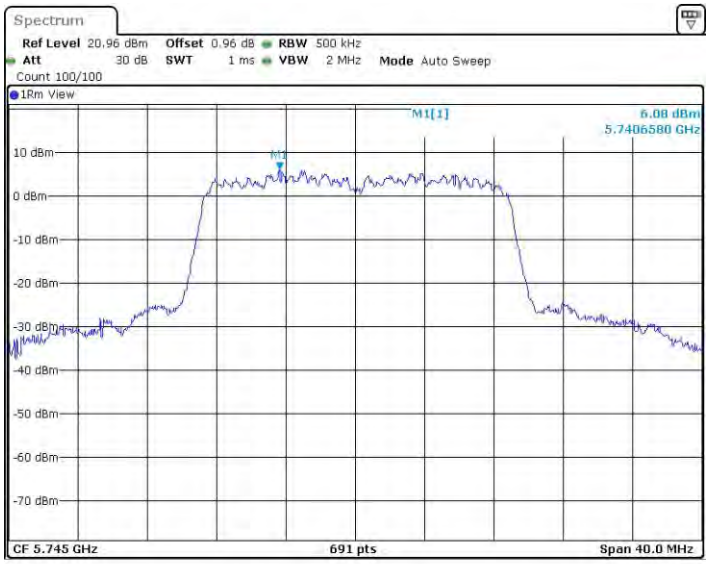
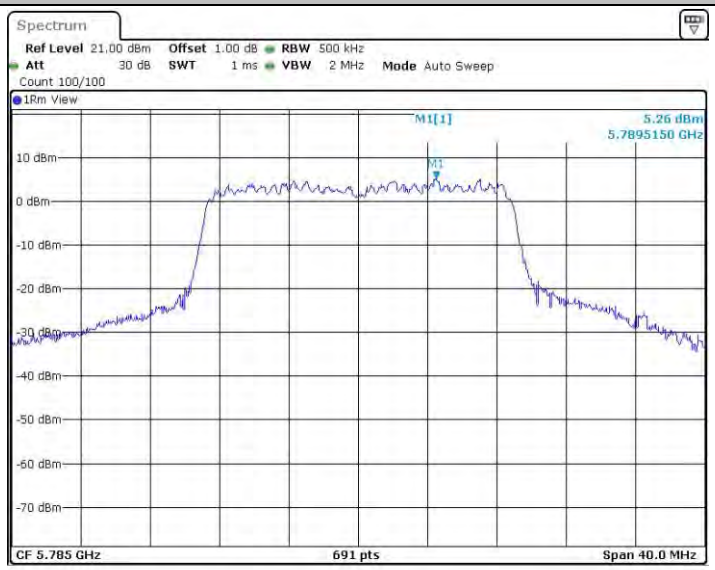
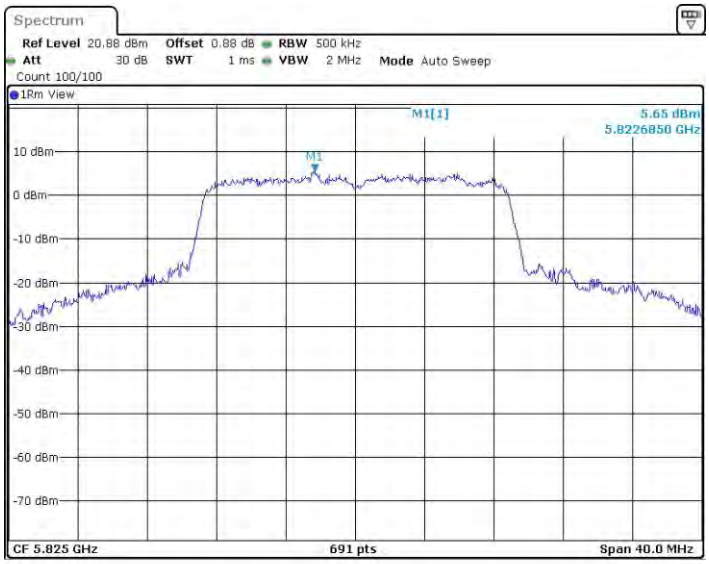


11N20MIMO_Ant2_5745



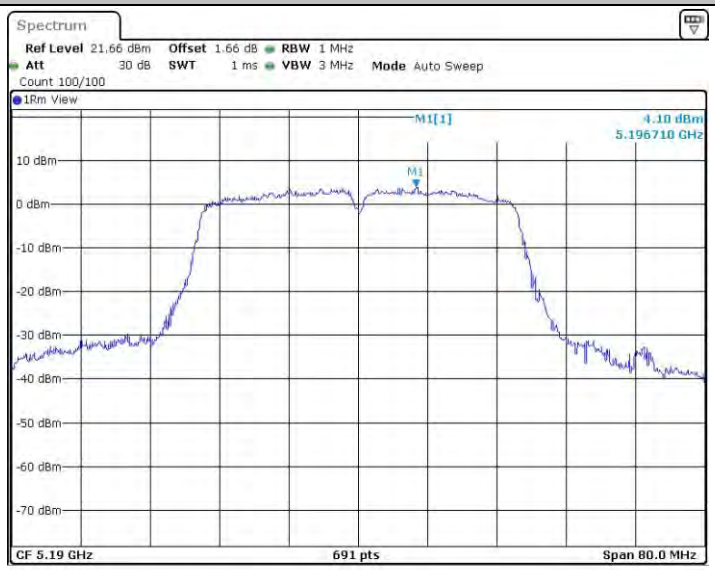
11N20MIMO_Ant1_5785

11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825

11N20MIMO_Ant2_5825



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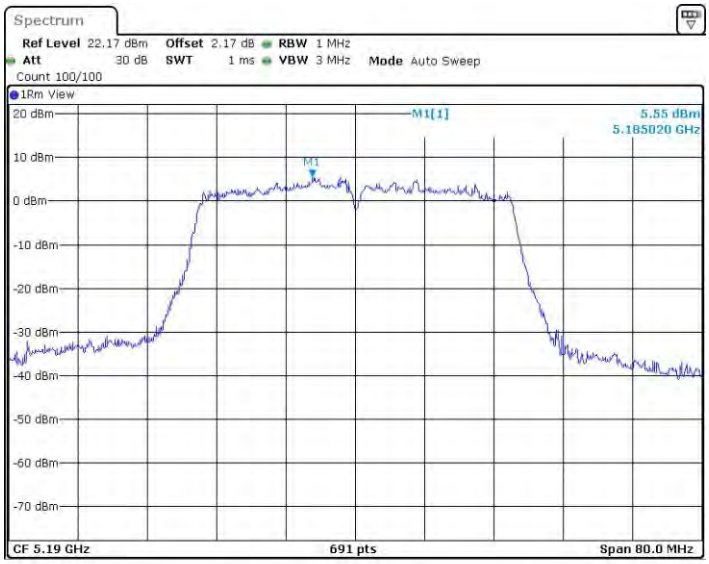

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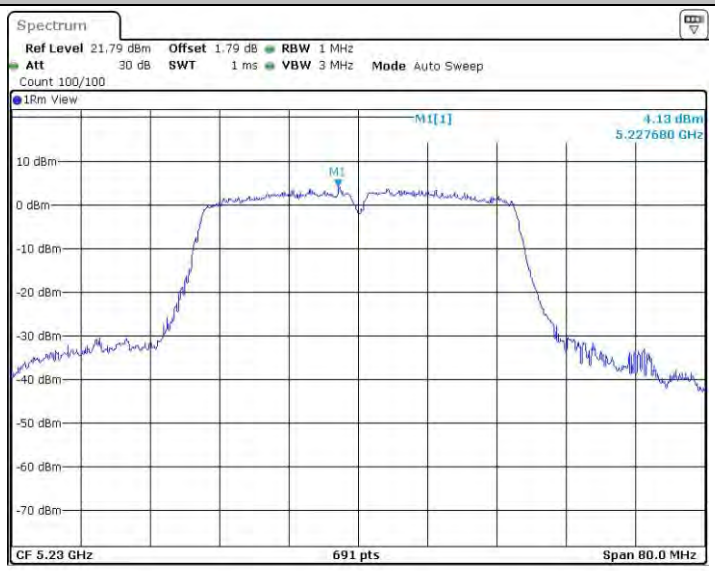

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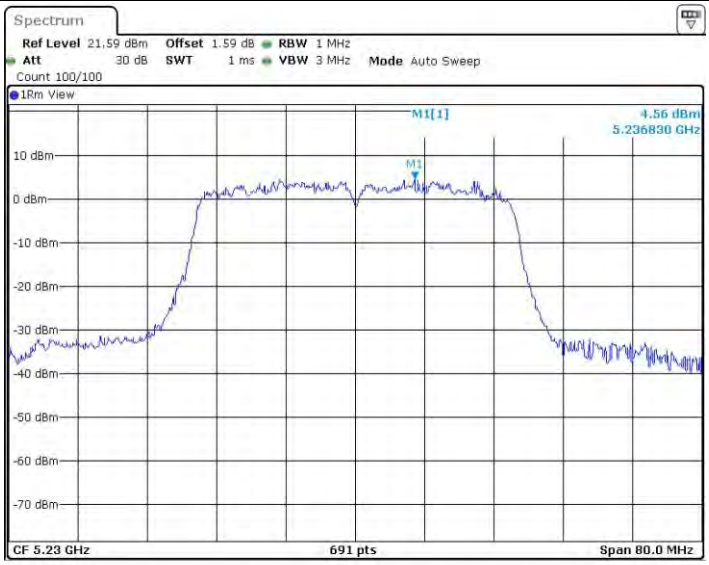

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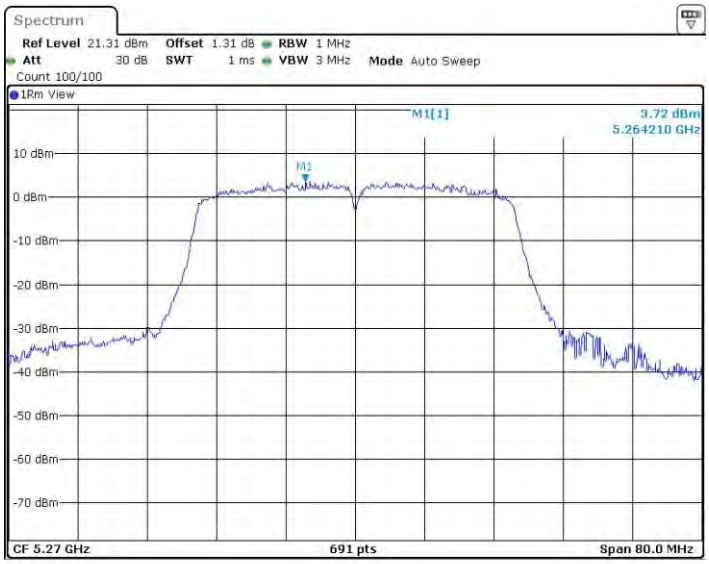

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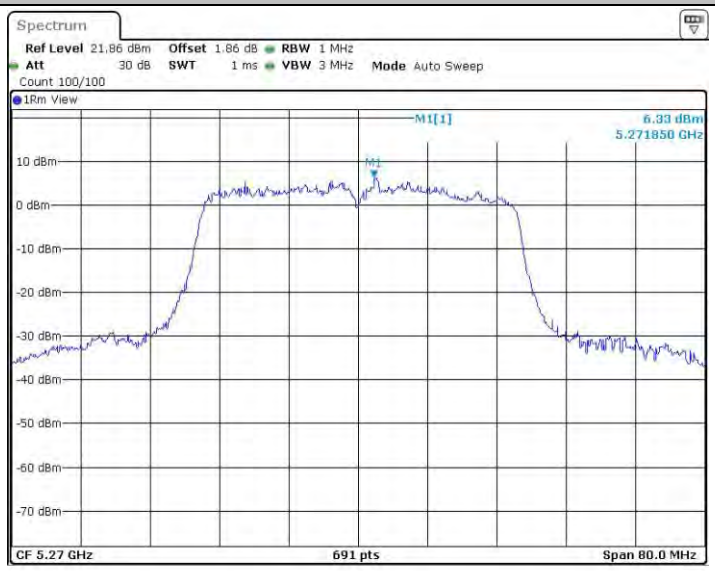
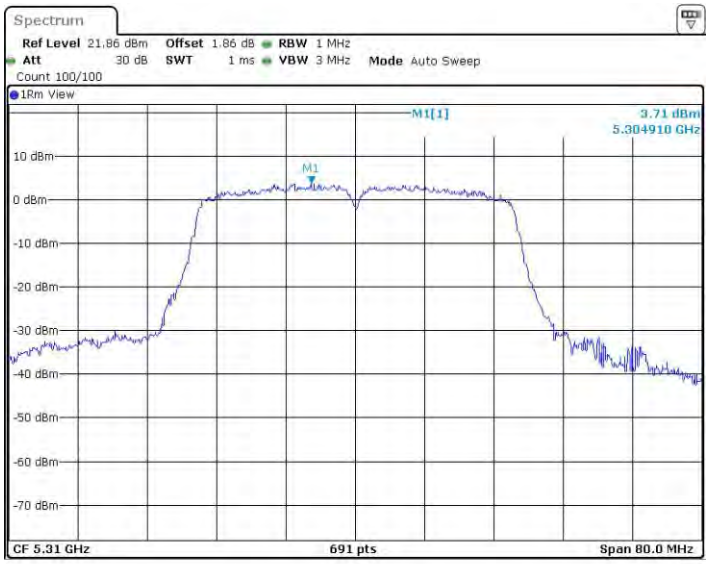


11N40MIMO_Ant2_5270

11N40MIMO_Ant1_5310



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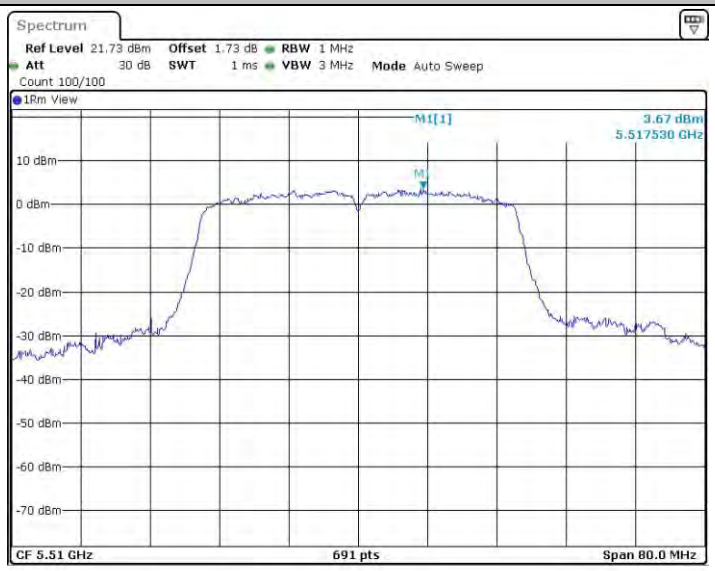
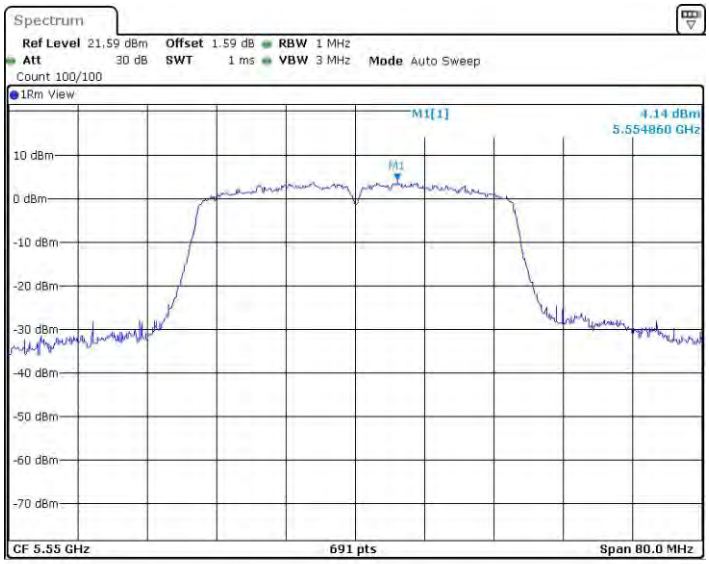
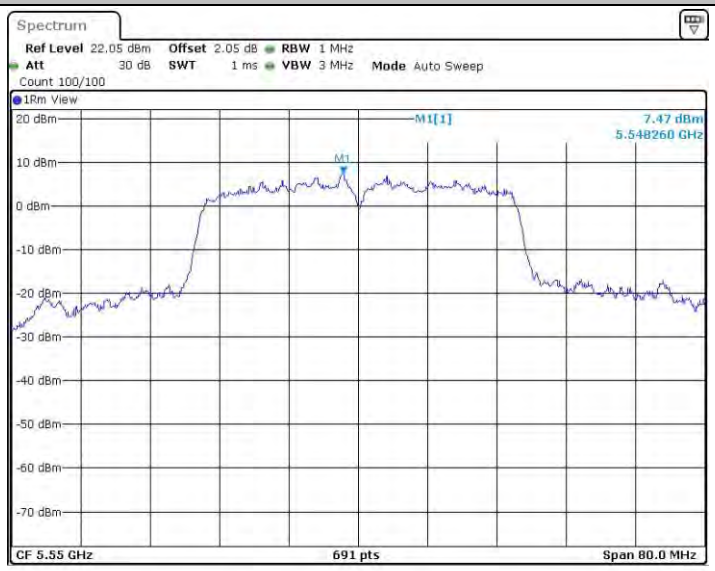


11N40MIMO_Ant1_5510

11N40MIMO_Ant2_5510

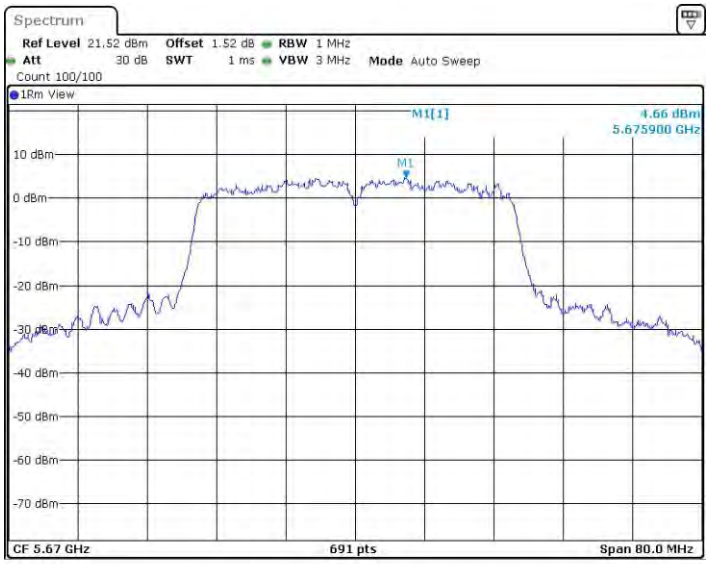


11N40MIMO_Ant1_5550



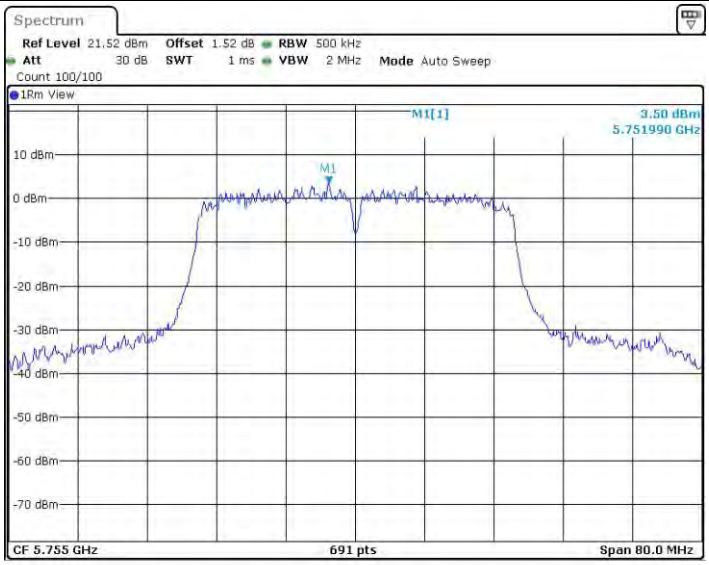
11N40MIMO_Ant2_5550

11N40MIMO_Ant1_5670



11N40MIMO_Ant2_5670

11N40MIMO_Ant1_5755



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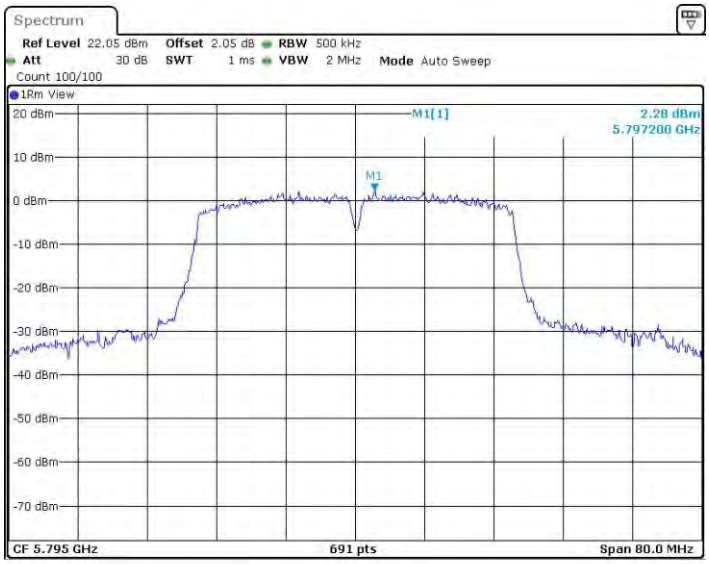

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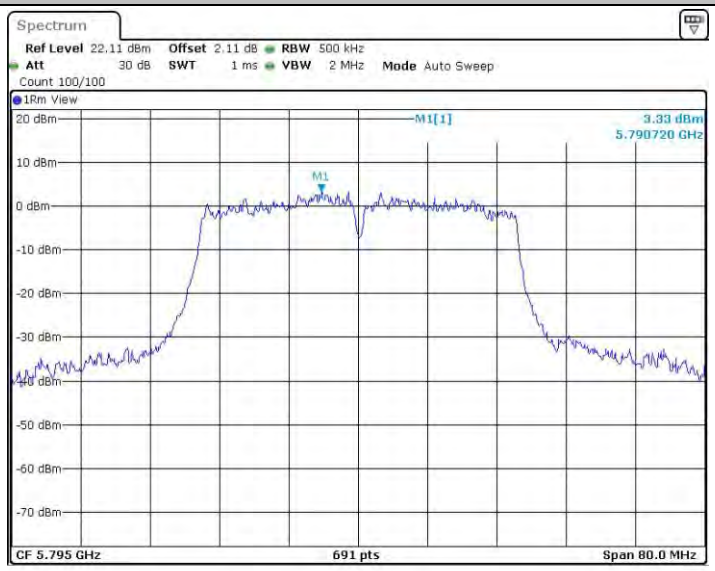

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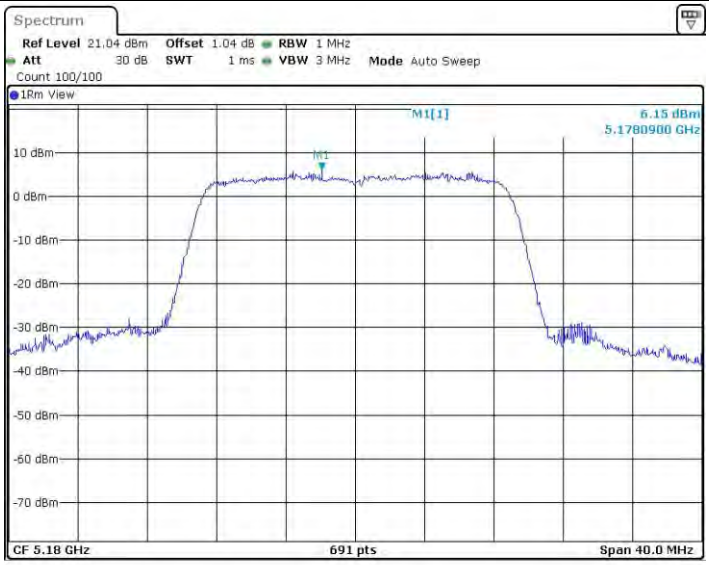
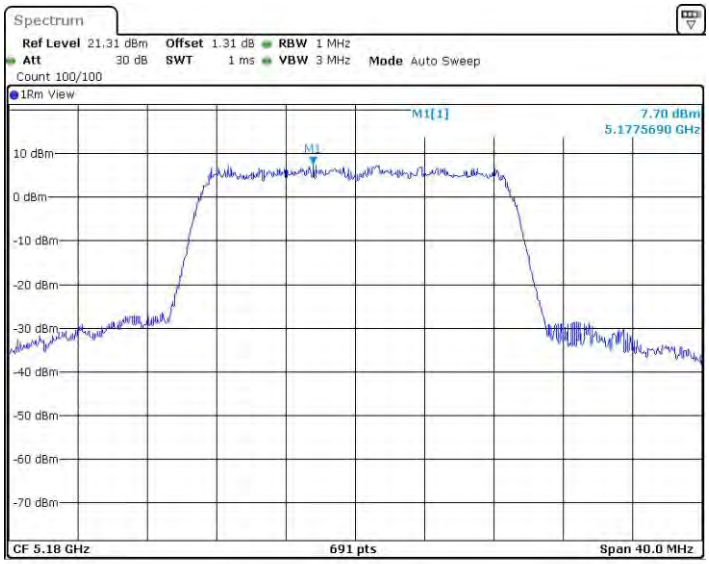
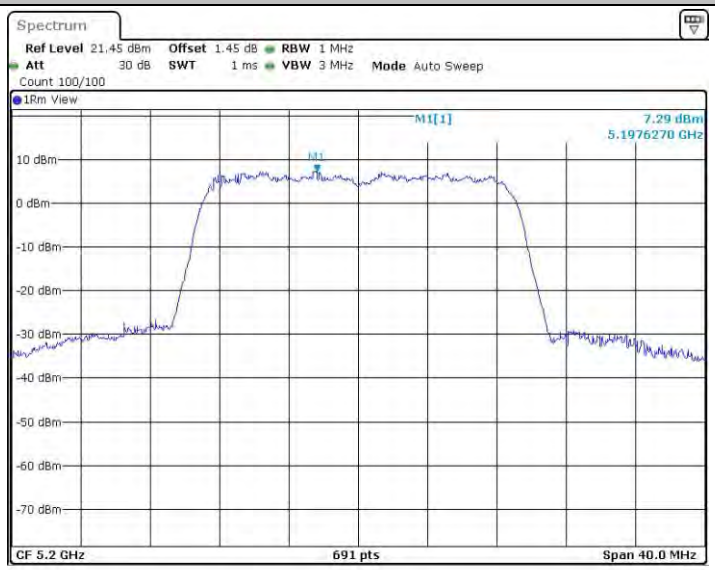


11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180

11AC20MIMO_Ant1_5200



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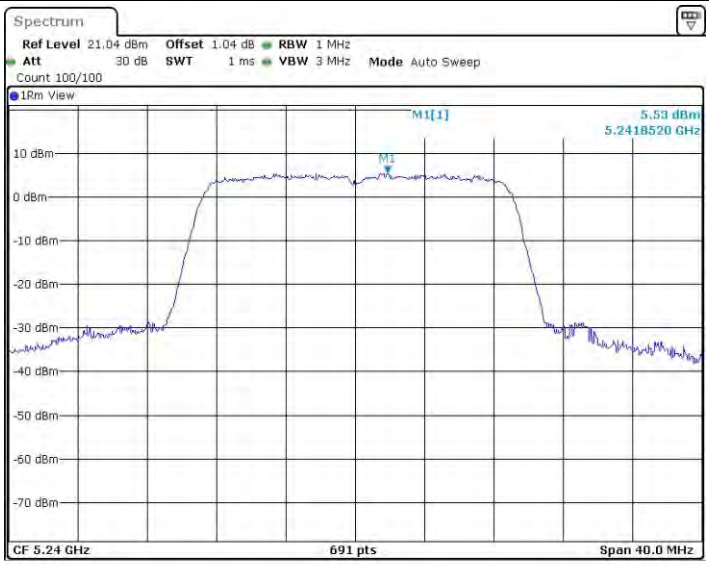
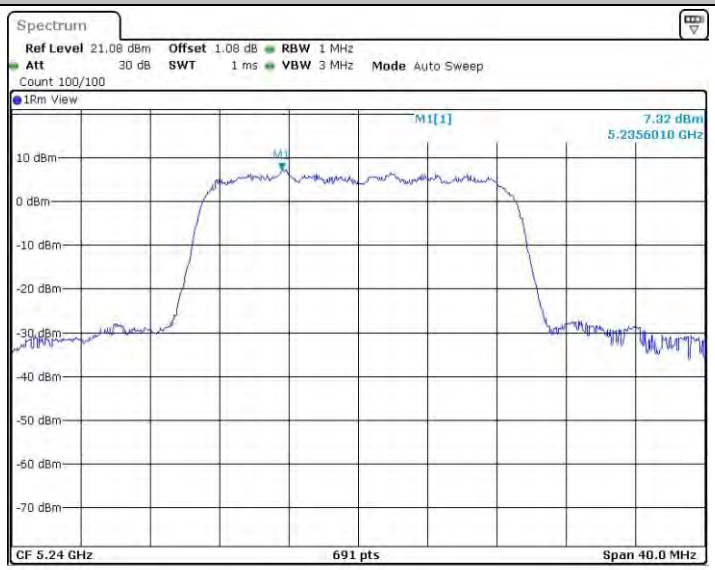
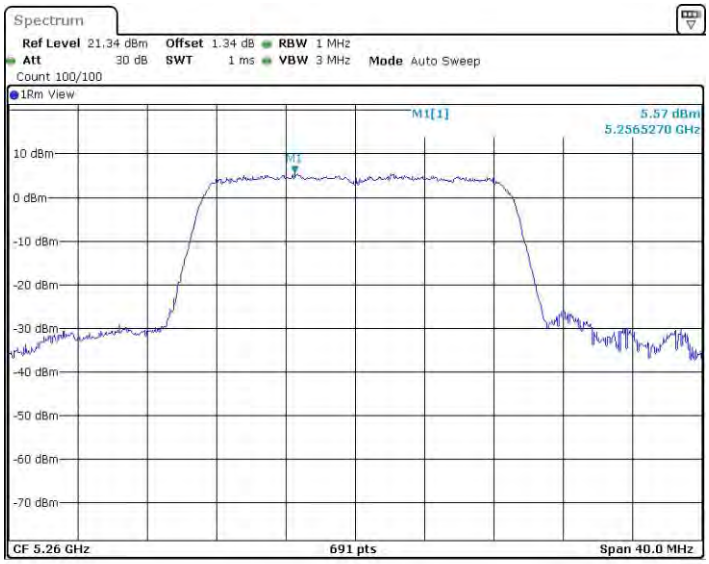


11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240

11AC20MIMO_Ant1_5260



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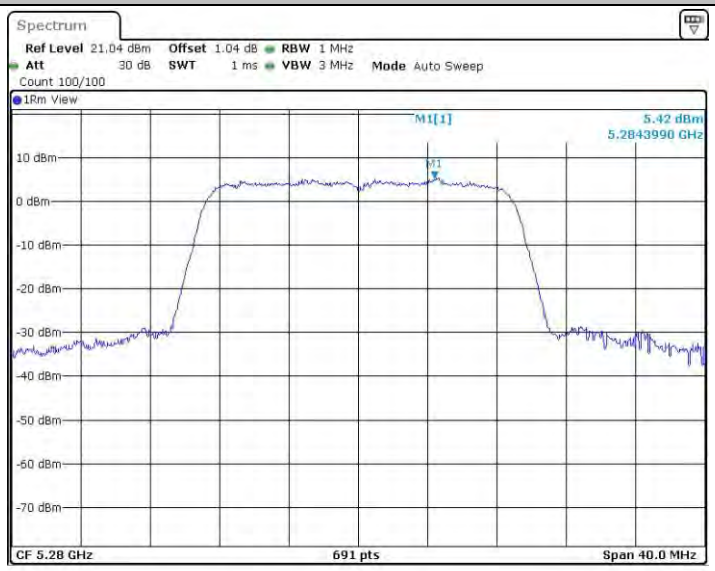

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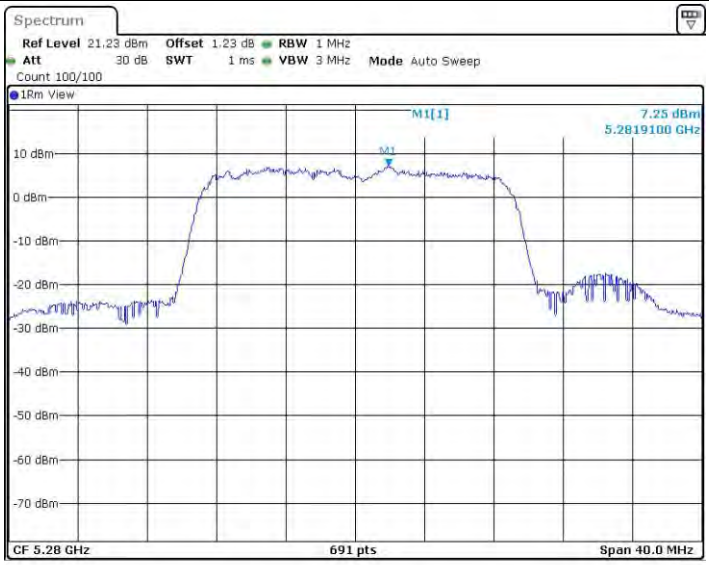

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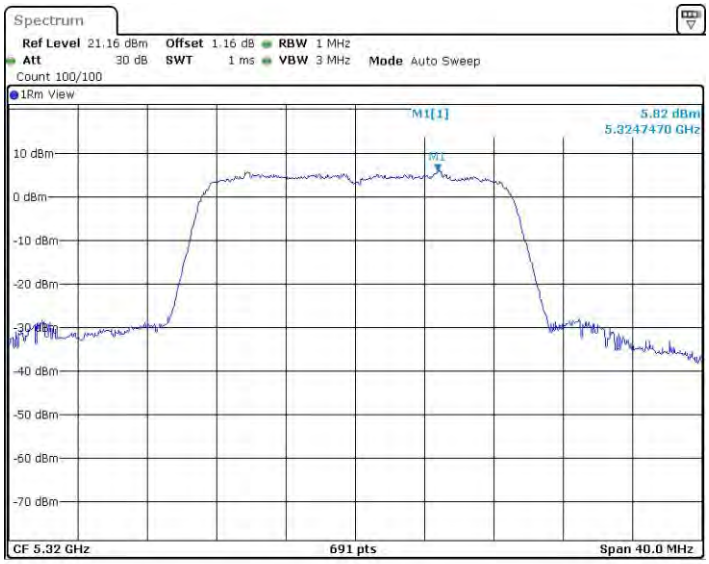

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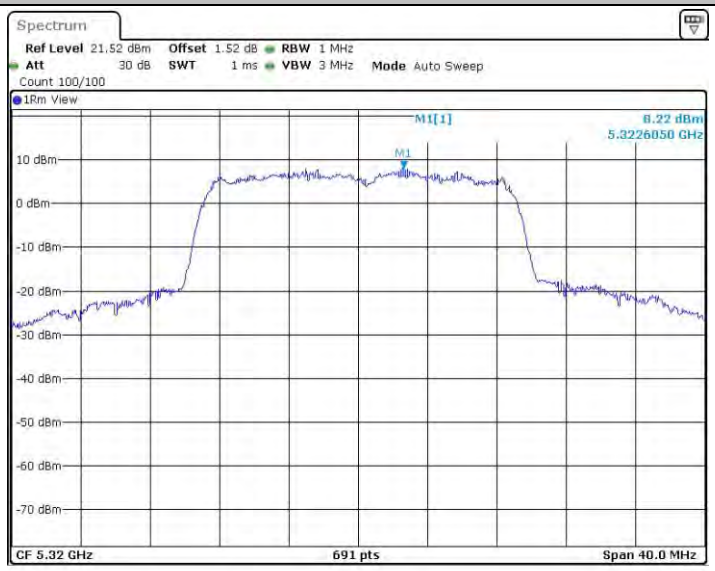

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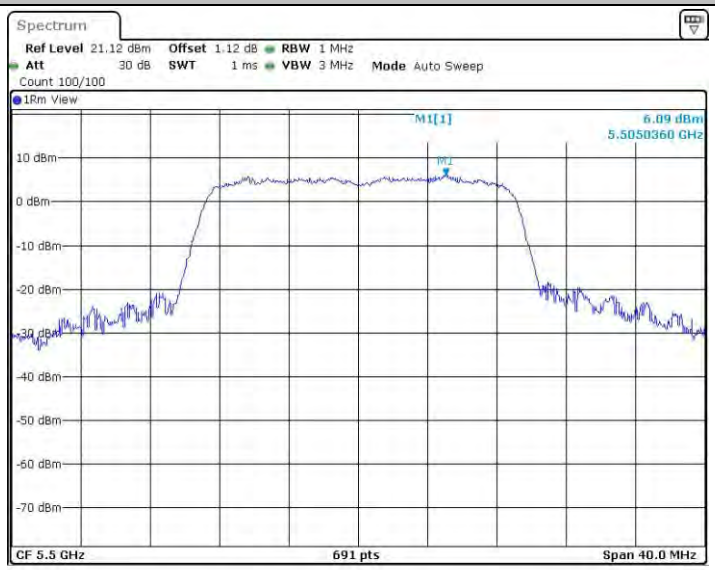

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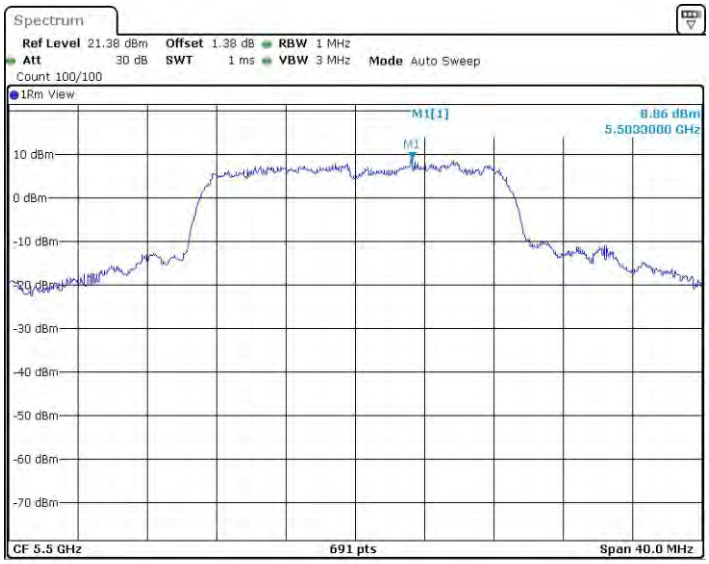

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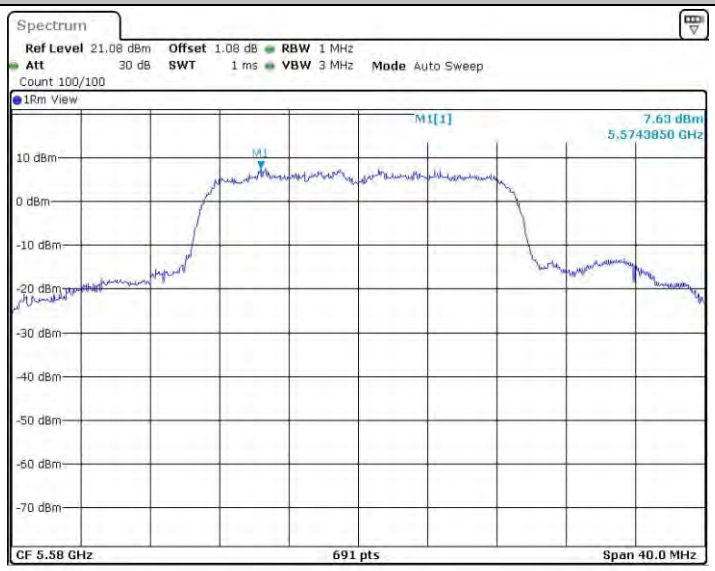
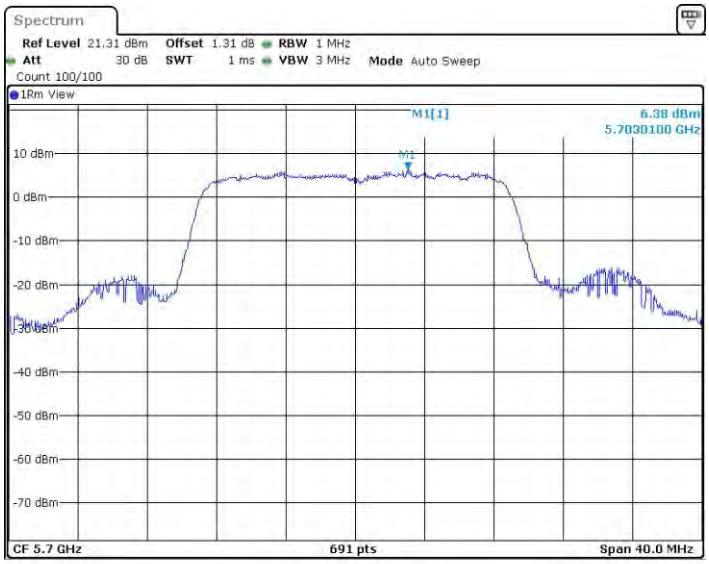


11AC20MIMO_Ant1_5580

11AC20MIMO_Ant2_5580



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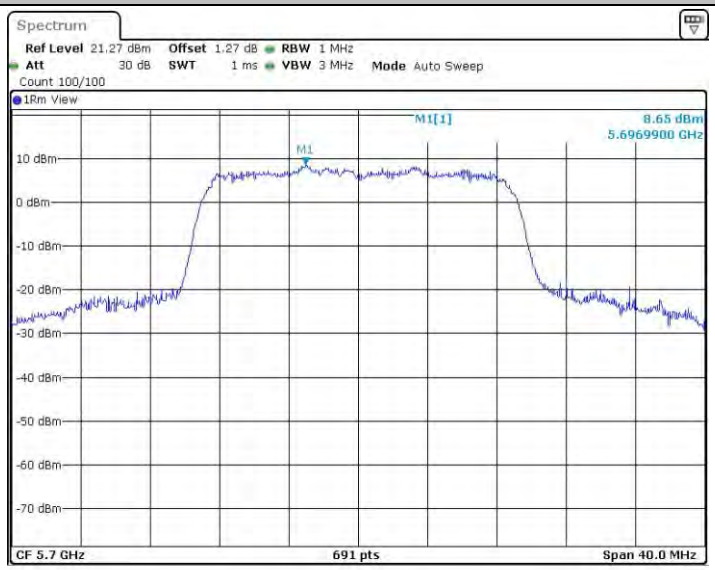

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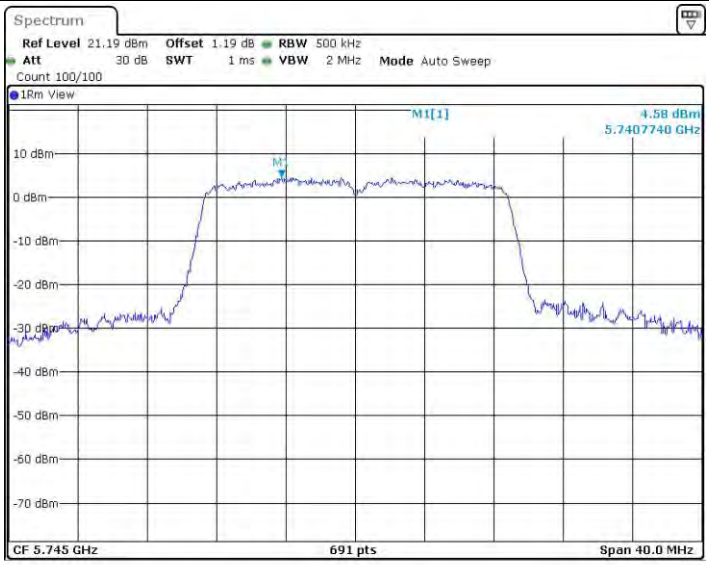

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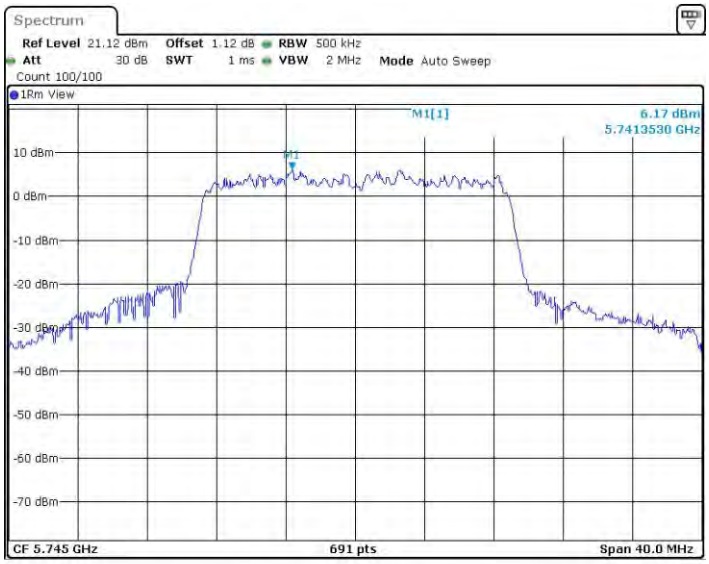
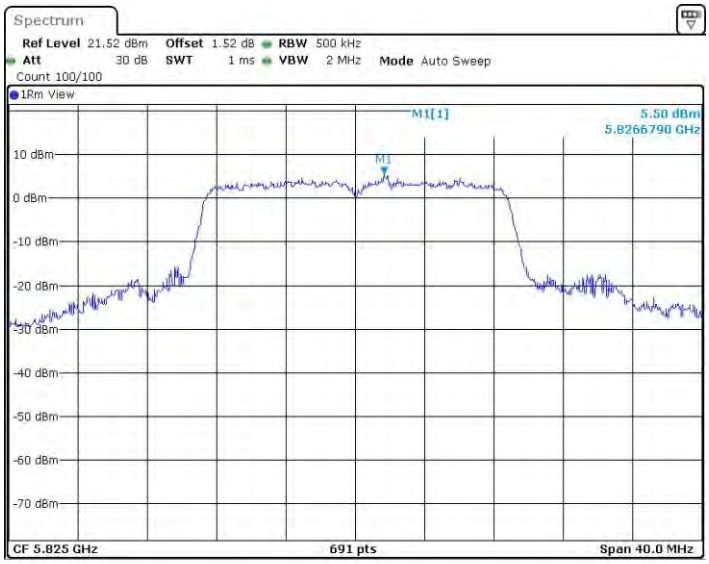


11AC20MIMO_Ant2_5745

11AC20MIMO_Ant1_5785

11AC20MIMO_Ant2_5785



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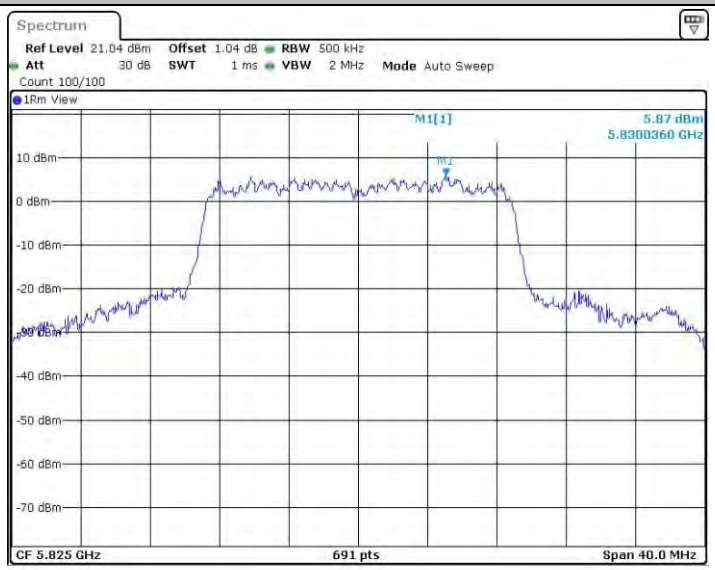

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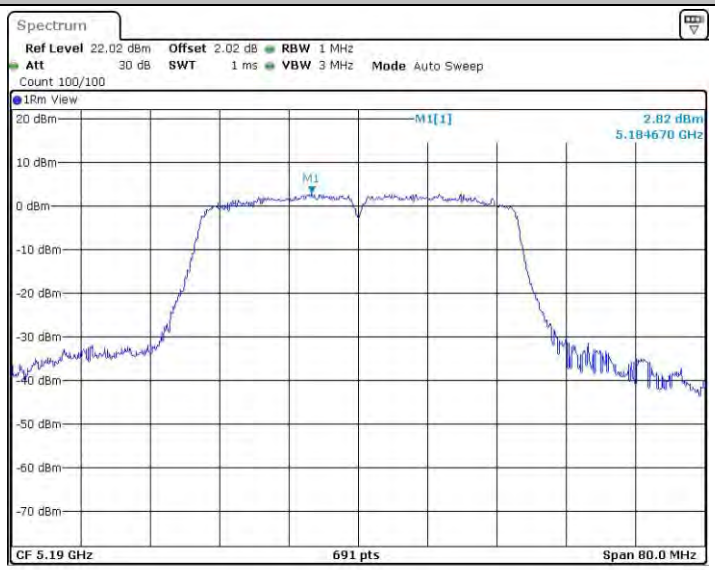

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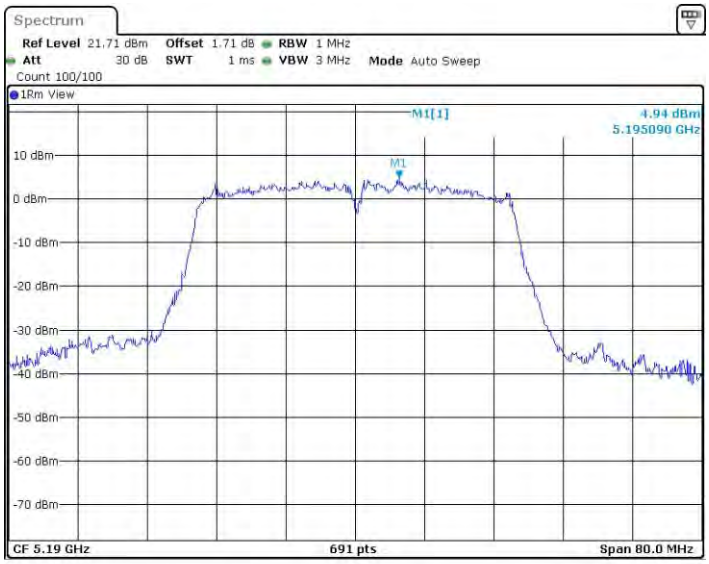

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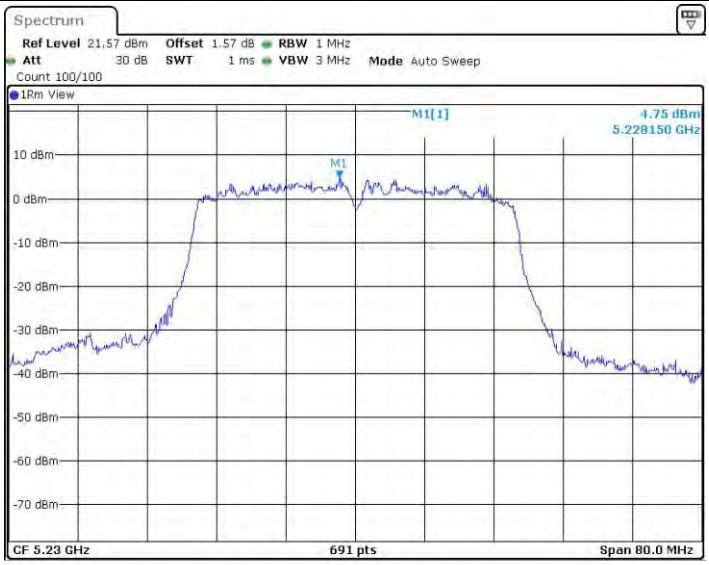
11AC40MIMO_Ant1_5230



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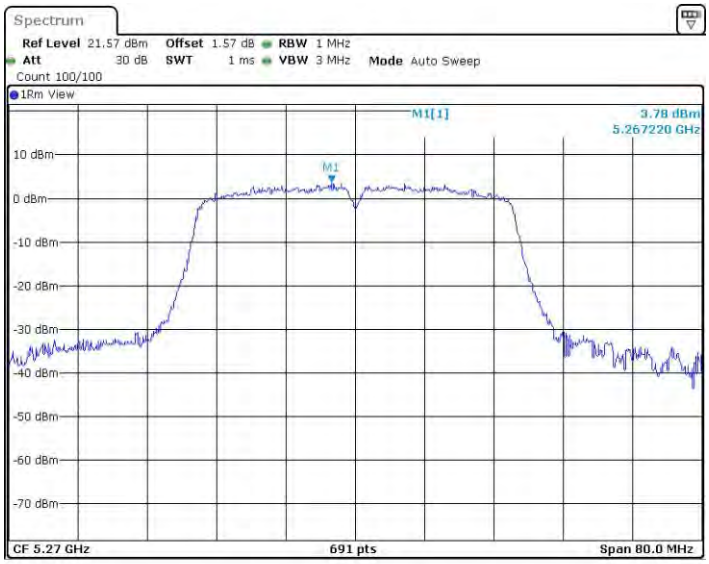

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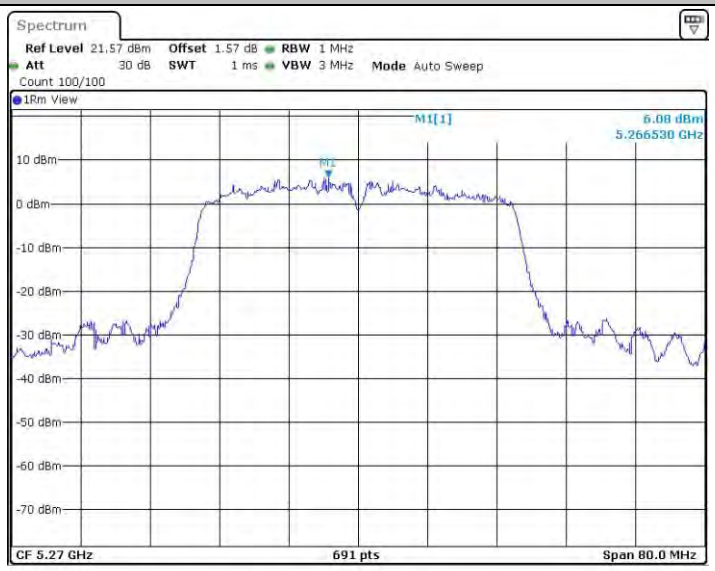

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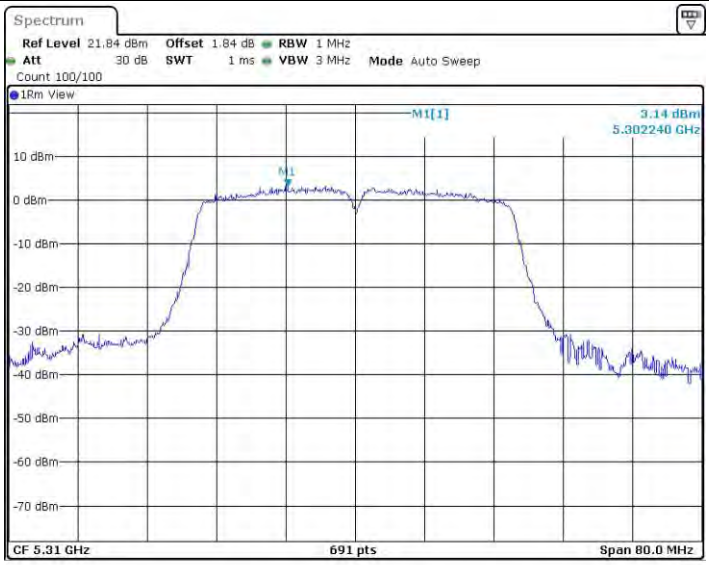

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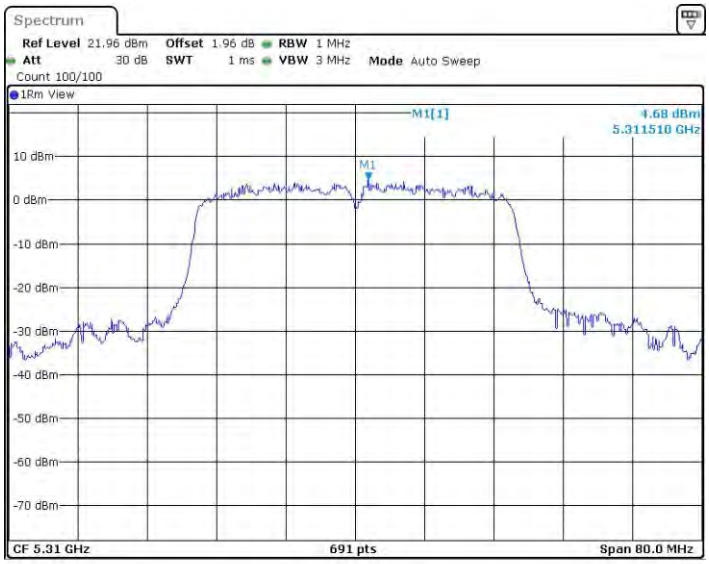

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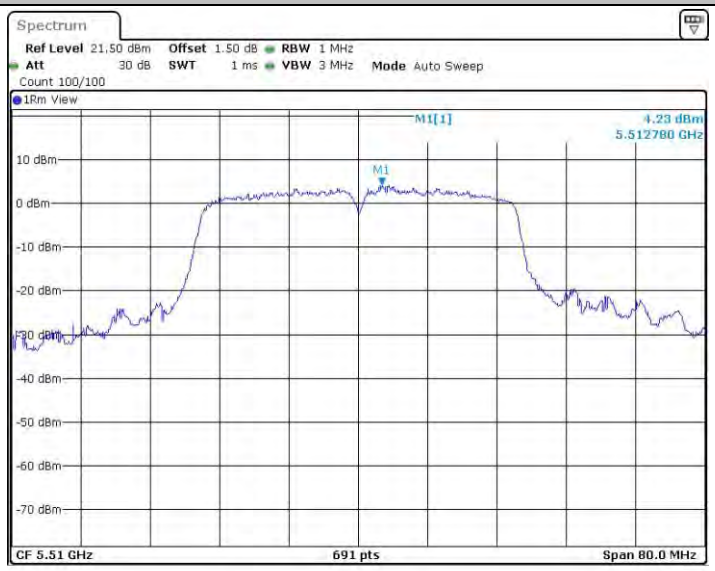

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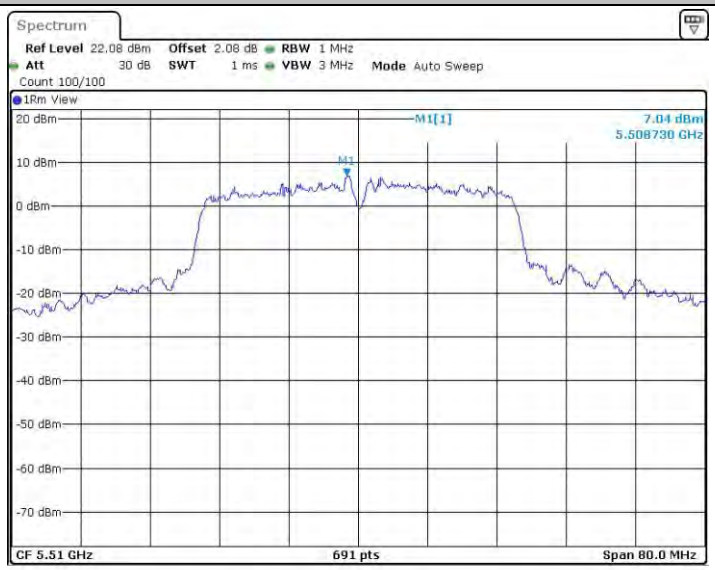

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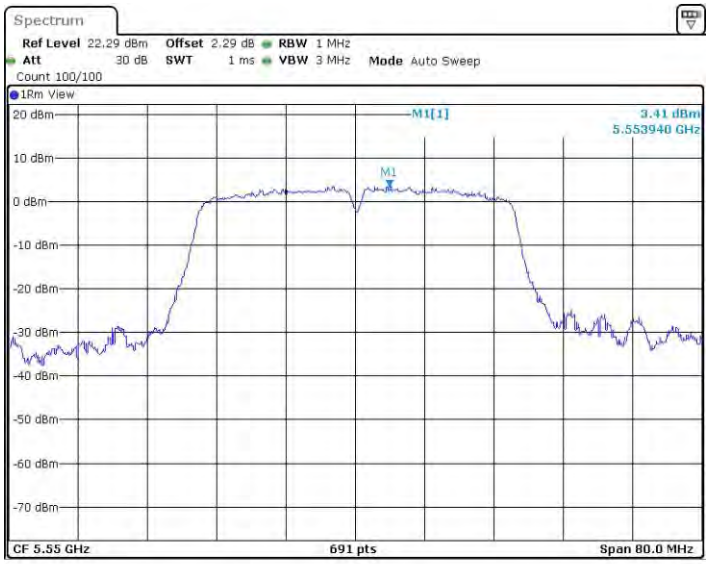
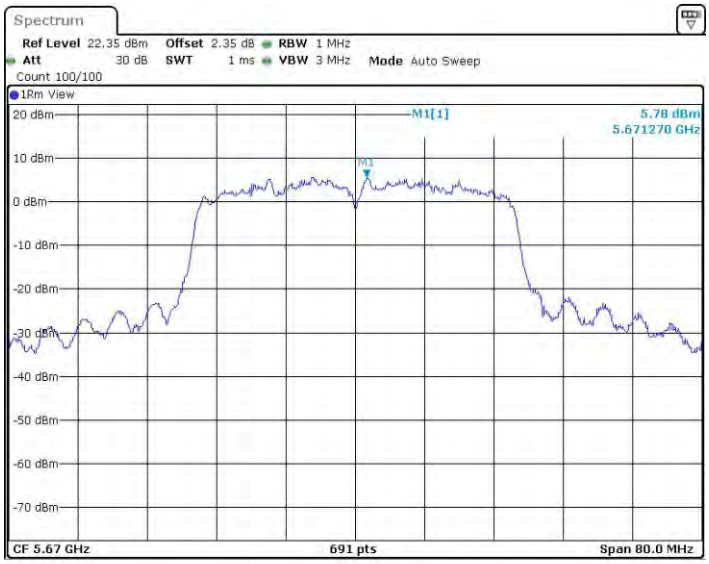


11AC40MIMO_Ant1_5550

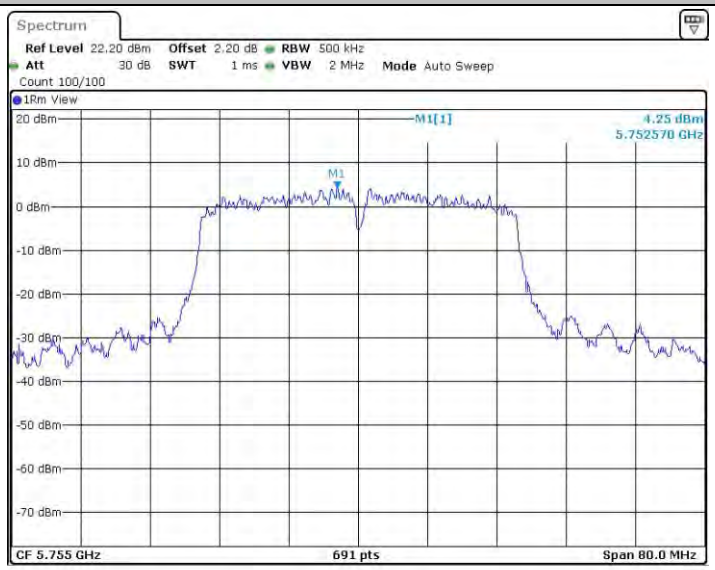
11AC40MIMO_Ant2_5550

11AC40MIMO_Ant1_5670



11AC40MIMO_Ant2_5670

11AC40MIMO_Ant1_5755



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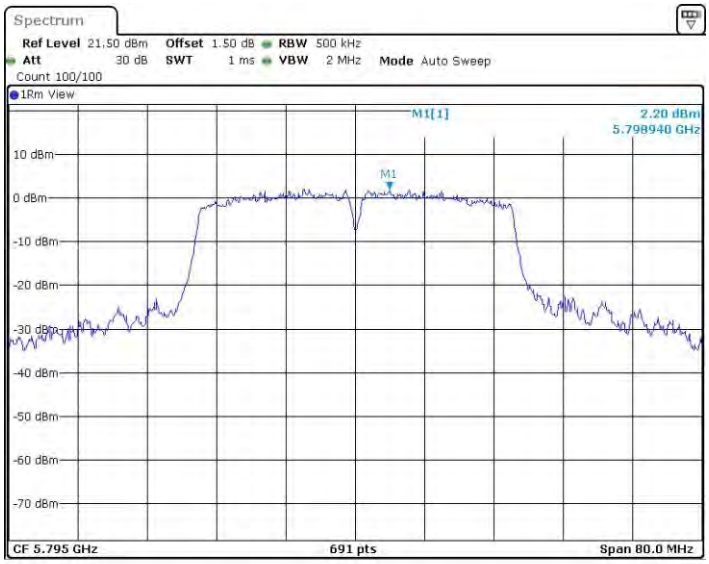

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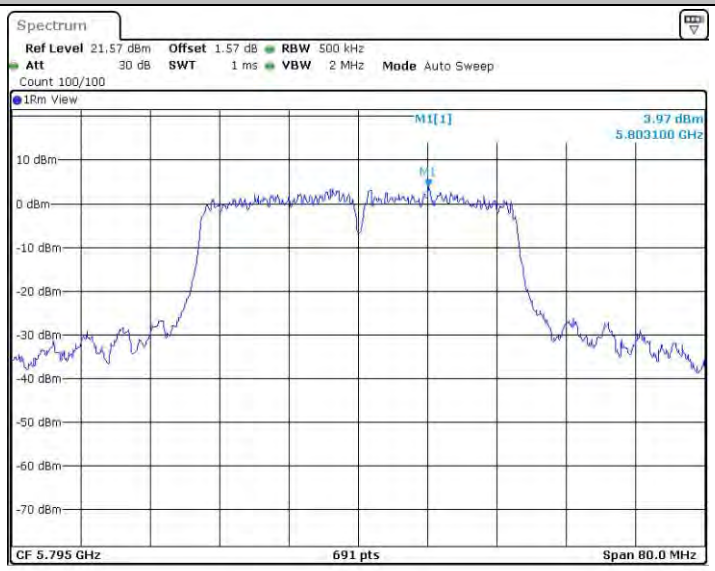

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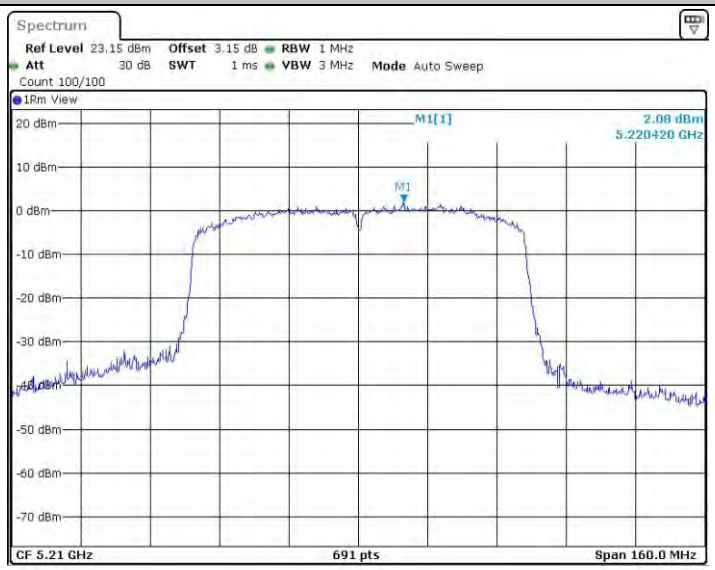

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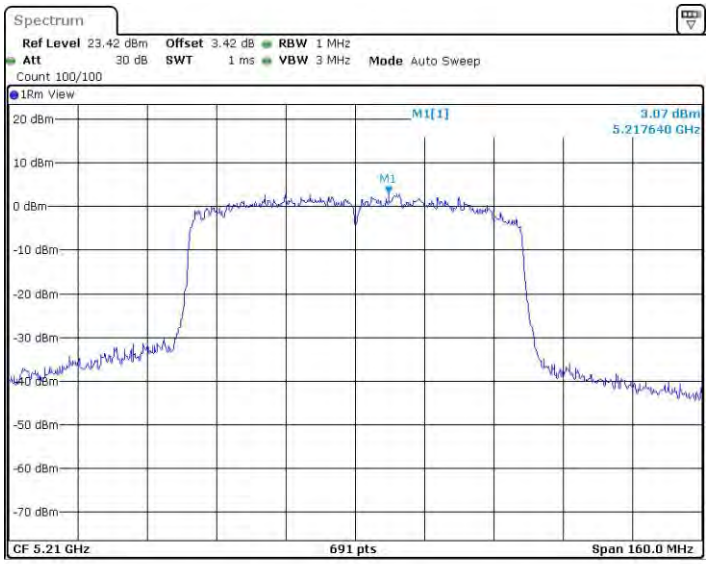
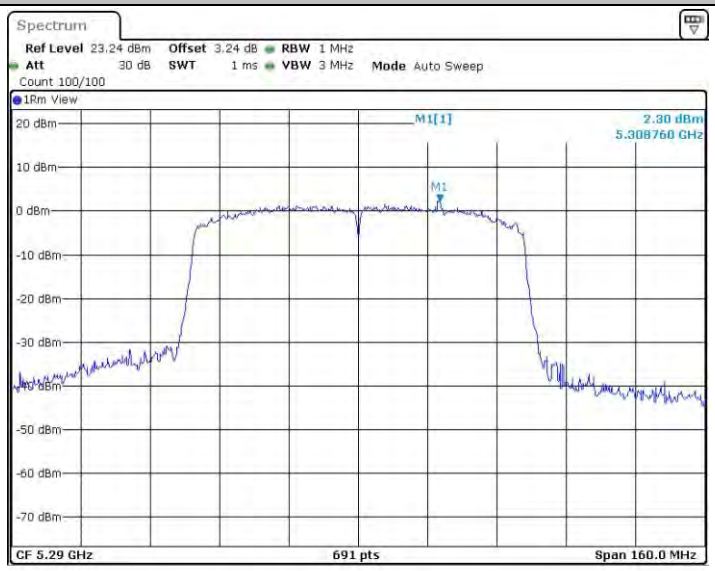
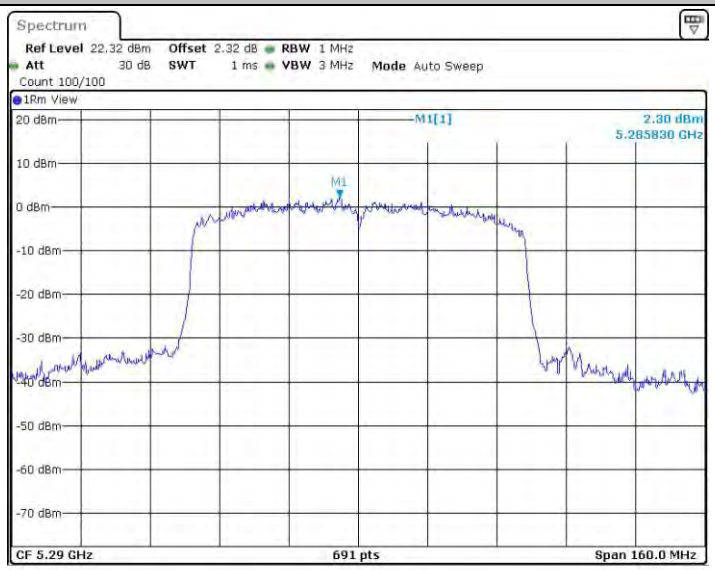


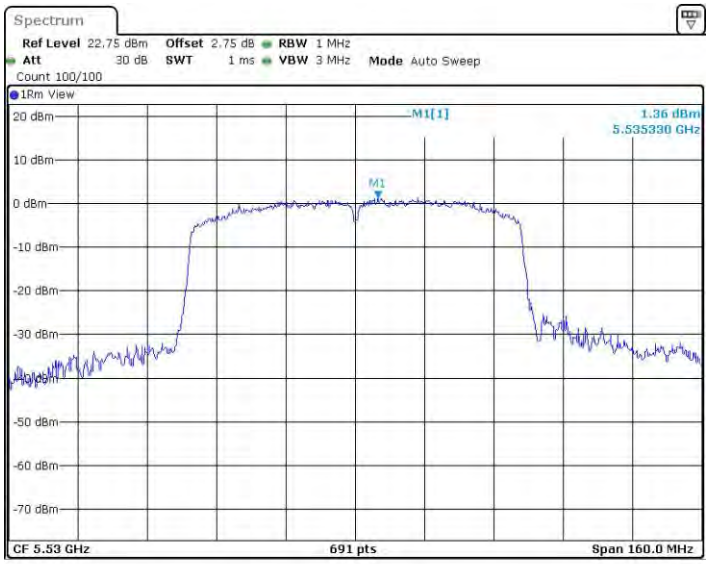
11AC80MIMO_Ant2_5210



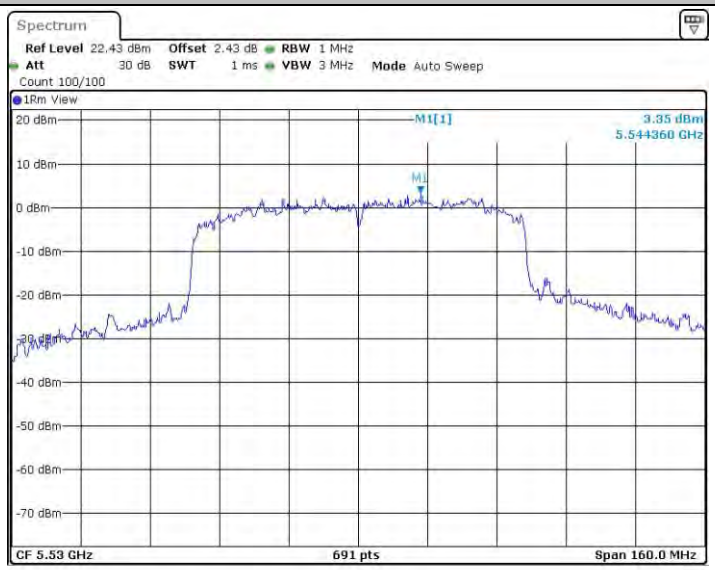
11AC80MIMO_Ant1_5290



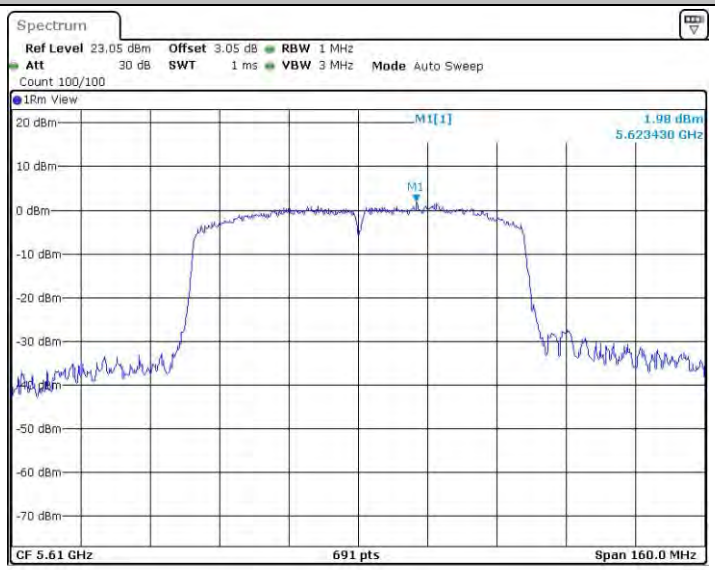
11AC80MIMO_Ant2_5290



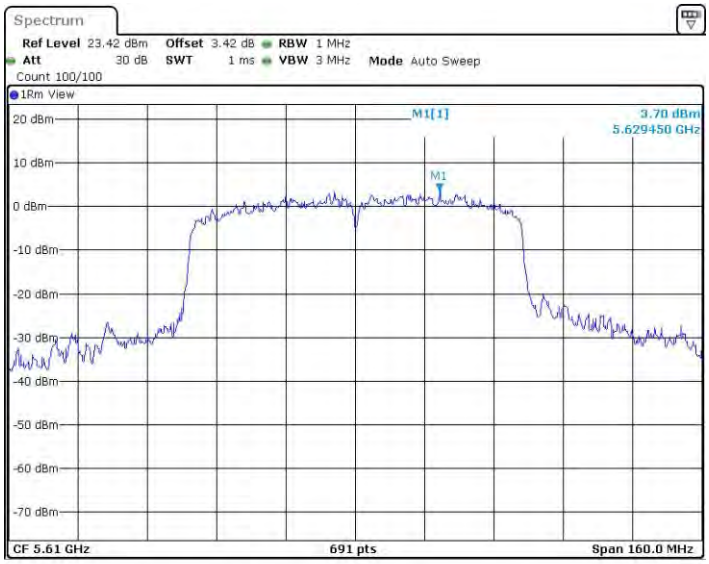
11AC80MIMO_Ant1_5530



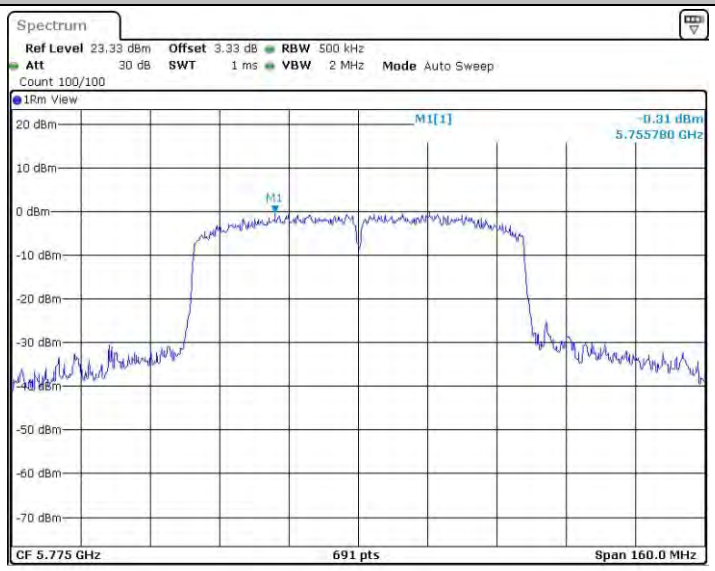
11AC80MIMO_Ant2_5530



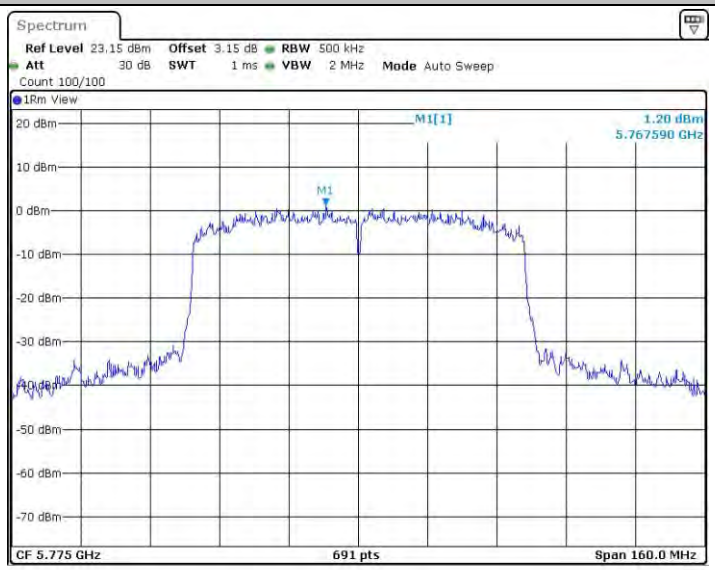
11AC80MIMO_Ant1_5610



11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

Appendix D: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-4000	-0.772201	20	PASS
			LV	NT	-4000	-0.772201	20	PASS
			HV	NT	-5000	-0.965251	20	PASS
	Ant2	5180	NV	NT	2000	0.3861	20	PASS
			LV	NT	2000	0.3861	20	PASS
			HV	NT	2000	0.3861	20	PASS
	Ant1	5200	NV	NT	-5000	-0.961538	20	PASS
			LV	NT	-5000	-0.961538	20	PASS
			HV	NT	-5000	-0.961538	20	PASS
	Ant2	5200	NV	NT	0	0	20	PASS
			LV	NT	1000	0.192308	20	PASS
			HV	NT	1000	0.192308	20	PASS
	Ant1	5240	NV	NT	-5000	-0.954198	20	PASS
			LV	NT	-4000	-0.763359	20	PASS
			HV	NT	-4000	-0.763359	20	PASS
	Ant2	5240	NV	NT	1000	0.19084	20	PASS
			LV	NT	1000	0.19084	20	PASS
			HV	NT	2000	0.381679	20	PASS
	Ant1	5260	NV	NT	-4000	-0.760456	20	PASS
			LV	NT	-3000	-0.570342	20	PASS
			HV	NT	-3000	-0.570342	20	PASS
	Ant2	5260	NV	NT	1000	0.190114	20	PASS
			LV	NT	2000	0.380228	20	PASS
			HV	NT	2000	0.380228	20	PASS
	Ant1	5280	NV	NT	-2000	-0.378788	20	PASS
			LV	NT	-2000	-0.378788	20	PASS
			HV	NT	-2000	-0.378788	20	PASS
	Ant2	5280	NV	NT	2000	0.378788	20	PASS
			LV	NT	2000	0.378788	20	PASS
			HV	NT	2000	0.378788	20	PASS
	Ant1	5320	NV	NT	-1000	-0.18797	20	PASS
			LV	NT	-1000	-0.18797	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5320	NV	NT	2000	0.37594	20	PASS
			LV	NT	2000	0.37594	20	PASS
			HV	NT	2000	0.37594	20	PASS

	Ant1	5500	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5500	NV	NT	2000	0.363636	20	PASS
			LV	NT	3000	0.545455	20	PASS
			HV	NT	3000	0.545455	20	PASS
	Ant1	5580	NV	NT	0	0	20	PASS
			LV	NT	1000	0.179211	20	PASS
			HV	NT	1000	0.179211	20	PASS
	Ant2	5580	NV	NT	2000	0.358423	20	PASS
			LV	NT	2000	0.358423	20	PASS
			HV	NT	2000	0.358423	20	PASS
	Ant1	5700	NV	NT	0	0	20	PASS
			LV	NT	1000	0.175439	20	PASS
			HV	NT	1000	0.175439	20	PASS
	Ant2	5700	NV	NT	2000	0.350877	20	PASS
			LV	NT	2000	0.350877	20	PASS
			HV	NT	2000	0.350877	20	PASS
	Ant1	5745	NV	NT	0	0	20	PASS
			LV	NT	1000	0.174064	20	PASS
			HV	NT	1000	0.174064	20	PASS
	Ant2	5745	NV	NT	2000	0.348129	20	PASS
			LV	NT	3000	0.522193	20	PASS
			HV	NT	3000	0.522193	20	PASS
	Ant1	5785	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-1000	-0.172861	20	PASS
	Ant2	5785	NV	NT	3000	0.518583	20	PASS
			LV	NT	3000	0.518583	20	PASS
			HV	NT	3000	0.518583	20	PASS
	Ant1	5825	NV	NT	-2000	-0.343348	20	PASS
			LV	NT	-1000	-0.171674	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5825	NV	NT	3000	0.515021	20	PASS
			LV	NT	3000	0.515021	20	PASS
			HV	NT	3000	0.515021	20	PASS
11N20SISO	Ant1	5180	NV	NT	-1000	-0.19305	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5180	NV	NT	2000	0.3861	20	PASS
			LV	NT	3000	0.579151	20	PASS
			HV	NT	3000	0.579151	20	PASS
	Ant1	5200	NV	NT	0	0	20	PASS

			LV	NT	0	0	20	PASS
			HV	NT	1000	0.192308	20	PASS
	Ant2	5200	NV	NT	3000	0.576923	20	PASS
			LV	NT	3000	0.576923	20	PASS
			HV	NT	3000	0.576923	20	PASS
	Ant1	5240	NV	NT	0	0	20	PASS
			LV	NT	1000	0.19084	20	PASS
			HV	NT	1000	0.19084	20	PASS
	Ant2	5240	NV	NT	3000	0.572519	20	PASS
			LV	NT	4000	0.763359	20	PASS
			HV	NT	4000	0.763359	20	PASS
	Ant1	5260	NV	NT	0	0	20	PASS
			LV	NT	1000	0.190114	20	PASS
			HV	NT	1000	0.190114	20	PASS
	Ant2	5260	NV	NT	3000	0.570342	20	PASS
			LV	NT	4000	0.760456	20	PASS
			HV	NT	4000	0.760456	20	PASS
	Ant1	5280	NV	NT	1000	0.189394	20	PASS
			LV	NT	2000	0.378788	20	PASS
			HV	NT	2000	0.378788	20	PASS
	Ant2	5280	NV	NT	4000	0.757576	20	PASS
			LV	NT	4000	0.757576	20	PASS
			HV	NT	5000	0.94697	20	PASS
	Ant1	5320	NV	NT	1000	0.18797	20	PASS
			LV	NT	1000	0.18797	20	PASS
			HV	NT	1000	0.18797	20	PASS
	Ant2	5320	NV	NT	4000	0.75188	20	PASS
			LV	NT	4000	0.75188	20	PASS
			HV	NT	4000	0.75188	20	PASS
	Ant1	5500	NV	NT	1000	0.181818	20	PASS
			LV	NT	1000	0.181818	20	PASS
			HV	NT	1000	0.181818	20	PASS
	Ant2	5500	NV	NT	4000	0.727273	20	PASS
			LV	NT	4000	0.727273	20	PASS
			HV	NT	4000	0.727273	20	PASS
	Ant1	5580	NV	NT	0	0	20	PASS
			LV	NT	1000	0.179211	20	PASS
			HV	NT	1000	0.179211	20	PASS
	Ant2	5580	NV	NT	-4000	-0.716846	20	PASS
			LV	NT	-5000	-0.896057	20	PASS
			HV	NT	-5000	-0.896057	20	PASS
	Ant1	5700	NV	NT	0	0	20	PASS
			LV	NT	1000	0.175439	20	PASS

			HV	NT	1000	0.175439	20	PASS
	Ant2	5700	NV	NT	-3000	-0.526316	20	PASS
			LV	NT	-2000	-0.350877	20	PASS
			HV	NT	-2000	-0.350877	20	PASS
	Ant1	5745	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-1000	-0.174064	20	PASS
	Ant2	5745	NV	NT	-1000	-0.174064	20	PASS
			LV	NT	-1000	-0.174064	20	PASS
			HV	NT	0	0	20	PASS
	Ant1	5785	NV	NT	-1000	-0.172861	20	PASS
			LV	NT	-1000	-0.172861	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5785	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	1000	0.172861	20	PASS
	Ant1	5825	NV	NT	-1000	-0.171674	20	PASS
			LV	NT	-1000	-0.171674	20	PASS
			HV	NT	-1000	-0.171674	20	PASS
	Ant2	5825	NV	NT	1000	0.171674	20	PASS
			LV	NT	1000	0.171674	20	PASS
			HV	NT	1000	0.171674	20	PASS
11N40SISO	Ant1	5190	NV	NT	-2000	-0.385356	20	PASS
			LV	NT	-1000	-0.192678	20	PASS
			HV	NT	-1000	-0.192678	20	PASS
	Ant2	5190	NV	NT	1000	0.192678	20	PASS
			LV	NT	1000	0.192678	20	PASS
			HV	NT	1000	0.192678	20	PASS
	Ant1	5230	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5230	NV	NT	1000	0.191205	20	PASS
			LV	NT	2000	0.382409	20	PASS
			HV	NT	2000	0.382409	20	PASS
	Ant1	5270	NV	NT	1000	0.189753	20	PASS
			LV	NT	1000	0.189753	20	PASS
			HV	NT	1000	0.189753	20	PASS
	Ant2	5270	NV	NT	2000	0.379507	20	PASS
			LV	NT	3000	0.56926	20	PASS
			HV	NT	3000	0.56926	20	PASS
	Ant1	5310	NV	NT	-2000	-0.376648	20	PASS
			LV	NT	-1000	-0.188324	20	PASS
			HV	NT	0	0	20	PASS

	Ant2	5310	NV	NT	3000	0.564972	20	PASS
			LV	NT	4000	0.753296	20	PASS
			HV	NT	4000	0.753296	20	PASS
	Ant1	5510	NV	NT	4000	0.725953	20	PASS
			LV	NT	-2000	-0.362976	20	PASS
			HV	NT	-4000	-0.725953	20	PASS
	Ant2	5510	NV	NT	4000	0.725953	20	PASS
			LV	NT	5000	0.907441	20	PASS
			HV	NT	5000	0.907441	20	PASS
	Ant1	5550	NV	NT	-3000	-0.540541	20	PASS
			LV	NT	-5000	-0.900901	20	PASS
			HV	NT	-6000	-1.081081	20	PASS
	Ant2	5550	NV	NT	5000	0.900901	20	PASS
			LV	NT	6000	1.081081	20	PASS
			HV	NT	6000	1.081081	20	PASS
	Ant1	5670	NV	NT	-4000	-0.705467	20	PASS
			LV	NT	-4000	-0.705467	20	PASS
			HV	NT	-4000	-0.705467	20	PASS
	Ant2	5670	NV	NT	5000	0.881834	20	PASS
			LV	NT	6000	1.058201	20	PASS
			HV	NT	6000	1.058201	20	PASS
	Ant1	5755	NV	NT	-3000	-0.521286	20	PASS
			LV	NT	-3000	-0.521286	20	PASS
			HV	NT	-2000	-0.347524	20	PASS
	Ant2	5755	NV	NT	5000	0.86881	20	PASS
			LV	NT	6000	1.042572	20	PASS
			HV	NT	7000	1.216334	20	PASS
	Ant1	5795	NV	NT	-2000	-0.345125	20	PASS
			LV	NT	-1000	-0.172563	20	PASS
			HV	NT	-2000	-0.345125	20	PASS
	Ant2	5795	NV	NT	6000	1.035375	20	PASS
			LV	NT	6000	1.035375	20	PASS
			HV	NT	6000	1.035375	20	PASS
11AC20S ISO	Ant1	5180	NV	NT	-2000	-0.3861	20	PASS
			LV	NT	-1000	-0.19305	20	PASS
			HV	NT	-1000	-0.19305	20	PASS
	Ant2	5180	NV	NT	3000	0.579151	20	PASS
			LV	NT	3000	0.579151	20	PASS
			HV	NT	3000	0.579151	20	PASS
	Ant1	5200	NV	NT	-3000	-0.576923	20	PASS
			LV	NT	-2000	-0.384615	20	PASS
			HV	NT	-2000	-0.384615	20	PASS
	Ant2	5200	NV	NT	3000	0.576923	20	PASS

			LV	NT	3000	0.576923	20	PASS
			HV	NT	3000	0.576923	20	PASS
	Ant1	5240	NV	NT	3000	0.572519	20	PASS
			LV	NT	3000	0.572519	20	PASS
			HV	NT	3000	0.572519	20	PASS
	Ant2	5240	NV	NT	3000	0.572519	20	PASS
			LV	NT	3000	0.572519	20	PASS
			HV	NT	3000	0.572519	20	PASS
	Ant1	5260	NV	NT	3000	0.570342	20	PASS
			LV	NT	4000	0.760456	20	PASS
			HV	NT	4000	0.760456	20	PASS
	Ant2	5260	NV	NT	2000	0.380228	20	PASS
			LV	NT	3000	0.570342	20	PASS
			HV	NT	3000	0.570342	20	PASS
	Ant1	5280	NV	NT	4000	0.757576	20	PASS
			LV	NT	4000	0.757576	20	PASS
			HV	NT	5000	0.94697	20	PASS
	Ant2	5280	NV	NT	2000	0.378788	20	PASS
			LV	NT	3000	0.568182	20	PASS
			HV	NT	3000	0.568182	20	PASS
	Ant1	5320	NV	NT	4000	0.75188	20	PASS
			LV	NT	5000	0.93985	20	PASS
			HV	NT	5000	0.93985	20	PASS
	Ant2	5320	NV	NT	3000	0.56391	20	PASS
			LV	NT	3000	0.56391	20	PASS
			HV	NT	3000	0.56391	20	PASS
	Ant1	5500	NV	NT	5000	0.909091	20	PASS
			LV	NT	6000	1.090909	20	PASS
			HV	NT	6000	1.090909	20	PASS
	Ant2	5500	NV	NT	2000	0.363636	20	PASS
			LV	NT	3000	0.545455	20	PASS
			HV	NT	3000	0.545455	20	PASS
	Ant1	5580	NV	NT	5000	0.896057	20	PASS
			LV	NT	6000	1.075269	20	PASS
			HV	NT	6000	1.075269	20	PASS
	Ant2	5580	NV	NT	2000	0.358423	20	PASS
			LV	NT	3000	0.537634	20	PASS
			HV	NT	3000	0.537634	20	PASS
	Ant1	5700	NV	NT	6000	1.052632	20	PASS
			LV	NT	6000	1.052632	20	PASS
			HV	NT	6000	1.052632	20	PASS
	Ant2	5700	NV	NT	3000	0.526316	20	PASS
			LV	NT	4000	0.701754	20	PASS

			HV	NT	4000	0.701754	20	PASS
	Ant1	5745	NV	NT	6000	1.044386	20	PASS
			LV	NT	6000	1.044386	20	PASS
			HV	NT	6000	1.044386	20	PASS
	Ant2	5745	NV	NT	3000	0.522193	20	PASS
			LV	NT	3000	0.522193	20	PASS
			HV	NT	3000	0.522193	20	PASS
	Ant1	5785	NV	NT	5000	0.864304	20	PASS
			LV	NT	6000	1.037165	20	PASS
			HV	NT	6000	1.037165	20	PASS
	Ant2	5785	NV	NT	3000	0.518583	20	PASS
			LV	NT	3000	0.518583	20	PASS
			HV	NT	3000	0.518583	20	PASS
	Ant1	5825	NV	NT	6000	1.030043	20	PASS
			LV	NT	7000	1.201717	20	PASS
			HV	NT	7000	1.201717	20	PASS
	Ant2	5825	NV	NT	3000	0.515021	20	PASS
			LV	NT	3000	0.515021	20	PASS
			HV	NT	3000	0.515021	20	PASS
11AC40S ISO	Ant1	5190	NV	NT	5000	0.963391	20	PASS
			LV	NT	5000	0.963391	20	PASS
			HV	NT	5000	0.963391	20	PASS
	Ant2	5190	NV	NT	2000	0.385356	20	PASS
			LV	NT	3000	0.578035	20	PASS
			HV	NT	3000	0.578035	20	PASS
	Ant1	5230	NV	NT	5000	0.956023	20	PASS
			LV	NT	5000	0.956023	20	PASS
			HV	NT	6000	1.147228	20	PASS
	Ant2	5230	NV	NT	2000	0.382409	20	PASS
			LV	NT	3000	0.573614	20	PASS
			HV	NT	3000	0.573614	20	PASS
	Ant1	5270	NV	NT	5000	0.948767	20	PASS
			LV	NT	6000	1.13852	20	PASS
			HV	NT	6000	1.13852	20	PASS
	Ant2	5270	NV	NT	3000	0.56926	20	PASS
			LV	NT	3000	0.56926	20	PASS
			HV	NT	3000	0.56926	20	PASS
	Ant1	5310	NV	NT	6000	1.129944	20	PASS
			LV	NT	7000	1.318267	20	PASS
			HV	NT	7000	1.318267	20	PASS
	Ant2	5310	NV	NT	4000	0.753296	20	PASS
			LV	NT	4000	0.753296	20	PASS
			HV	NT	4000	0.753296	20	PASS

	Ant1	5510	NV	NT	6000	1.088929	20	PASS
			LV	NT	8000	1.451906	20	PASS
			HV	NT	8000	1.451906	20	PASS
	Ant2	5510	NV	NT	4000	0.725953	20	PASS
			LV	NT	5000	0.907441	20	PASS
			HV	NT	6000	1.088929	20	PASS
	Ant1	5550	NV	NT	7000	1.261261	20	PASS
			LV	NT	8000	1.441441	20	PASS
			HV	NT	8000	1.441441	20	PASS
	Ant2	5550	NV	NT	6000	1.081081	20	PASS
			LV	NT	6000	1.081081	20	PASS
			HV	NT	6000	1.081081	20	PASS
	Ant1	5670	NV	NT	7000	1.234568	20	PASS
			LV	NT	8000	1.410935	20	PASS
			HV	NT	8000	1.410935	20	PASS
	Ant2	5670	NV	NT	5000	0.881834	20	PASS
			LV	NT	6000	1.058201	20	PASS
			HV	NT	6000	1.058201	20	PASS
	Ant1	5755	NV	NT	8000	1.390096	20	PASS
			LV	NT	9000	1.563858	20	PASS
			HV	NT	9000	1.563858	20	PASS
	Ant2	5755	NV	NT	4000	0.695048	20	PASS
			LV	NT	5000	0.86881	20	PASS
			HV	NT	5000	0.86881	20	PASS
	Ant1	5795	NV	NT	9000	1.553063	20	PASS
			LV	NT	9000	1.553063	20	PASS
			HV	NT	9000	1.553063	20	PASS
	Ant2	5795	NV	NT	4000	0.69025	20	PASS
			LV	NT	5000	0.862813	20	PASS
			HV	NT	4000	0.69025	20	PASS
11AC80S ISO	Ant1	5210	NV	NT	0	0	20	PASS
			LV	NT	-3000	-0.575816	20	PASS
			HV	NT	-4000	-0.767754	20	PASS
	Ant2	5210	NV	NT	3000	0.575816	20	PASS
			LV	NT	3000	0.575816	20	PASS
			HV	NT	3000	0.575816	20	PASS
	Ant1	5290	NV	NT	-4000	-0.756144	20	PASS
			LV	NT	-4000	-0.756144	20	PASS
			HV	NT	-3000	-0.567108	20	PASS
	Ant2	5290	NV	NT	3000	0.567108	20	PASS
			LV	NT	4000	0.756144	20	PASS
			HV	NT	4000	0.756144	20	PASS
	Ant1	5530	NV	NT	-1000	-0.180832	20	PASS

			LV	NT	-1000	-0.180832	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5530	NV	NT	3000	0.542495	20	PASS
			LV	NT	4000	0.723327	20	PASS
			HV	NT	4000	0.723327	20	PASS
	Ant1	5610	NV	NT	1000	0.178253	20	PASS
			LV	NT	1000	0.178253	20	PASS
			HV	NT	1000	0.178253	20	PASS
	Ant2	5610	NV	NT	4000	0.713012	20	PASS
			LV	NT	4000	0.713012	20	PASS
			HV	NT	4000	0.713012	20	PASS
	Ant1	5775	NV	NT	1000	0.17316	20	PASS
			LV	NT	2000	0.34632	20	PASS
			HV	NT	2000	0.34632	20	PASS
	Ant2	5775	NV	NT	3000	0.519481	20	PASS
			LV	NT	5000	0.865801	20	PASS
			HV	NT	5000	0.865801	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	0	-5000	-0.965251	20	PASS
			NV	10	-5000	-0.965251	20	PASS
			NV	20	-5000	-0.965251	20	PASS
			NV	30	-5000	-0.965251	20	PASS
			NV	40	-5000	-0.965251	20	PASS
	Ant2	5180	NV	0	2000	0.3861	20	PASS
			NV	10	2000	0.3861	20	PASS
			NV	20	2000	0.3861	20	PASS
			NV	30	2000	0.3861	20	PASS
			NV	40	1000	0.19305	20	PASS
	Ant1	5200	NV	0	-5000	-0.961538	20	PASS
			NV	10	-5000	-0.961538	20	PASS
			NV	20	-5000	-0.961538	20	PASS
			NV	30	-5000	-0.961538	20	PASS
			NV	40	-5000	-0.961538	20	PASS
	Ant2	5200	NV	0	1000	0.192308	20	PASS
			NV	10	1000	0.192308	20	PASS
			NV	20	1000	0.192308	20	PASS
			NV	30	1000	0.192308	20	PASS
			NV	40	2000	0.384615	20	PASS
	Ant1	5240	NV	0	-4000	-0.763359	20	PASS
			NV	10	-4000	-0.763359	20	PASS

			NV	20	-4000	-0.763359	20	PASS
			NV	30	-4000	-0.763359	20	PASS
			NV	40	-3000	-0.572519	20	PASS
	Ant2	5240	NV	0	2000	0.381679	20	PASS
			NV	10	2000	0.381679	20	PASS
			NV	20	2000	0.381679	20	PASS
			NV	30	2000	0.381679	20	PASS
			NV	40	2000	0.381679	20	PASS
	Ant1	5260	NV	0	-3000	-0.570342	20	PASS
			NV	10	-2000	-0.380228	20	PASS
			NV	20	-2000	-0.380228	20	PASS
			NV	30	-2000	-0.380228	20	PASS
			NV	40	-2000	-0.380228	20	PASS
	Ant2	5260	NV	0	2000	0.380228	20	PASS
			NV	10	2000	0.380228	20	PASS
			NV	20	2000	0.380228	20	PASS
			NV	30	2000	0.380228	20	PASS
			NV	40	2000	0.380228	20	PASS
	Ant1	5280	NV	0	-1000	-0.189394	20	PASS
			NV	10	-1000	-0.189394	20	PASS
			NV	20	-1000	-0.189394	20	PASS
			NV	30	-1000	-0.189394	20	PASS
			NV	40	-1000	-0.189394	20	PASS
	Ant2	5280	NV	0	2000	0.378788	20	PASS
			NV	10	2000	0.378788	20	PASS
			NV	20	2000	0.378788	20	PASS
			NV	30	2000	0.378788	20	PASS
			NV	40	2000	0.378788	20	PASS
	Ant1	5320	NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
	Ant2	5320	NV	0	2000	0.37594	20	PASS
			NV	10	2000	0.37594	20	PASS
			NV	20	2000	0.37594	20	PASS
			NV	30	2000	0.37594	20	PASS
			NV	40	2000	0.37594	20	PASS
	Ant1	5500	NV	0	1000	0.181818	20	PASS
			NV	10	1000	0.181818	20	PASS
			NV	20	1000	0.181818	20	PASS
			NV	30	1000	0.181818	20	PASS
			NV	40	1000	0.181818	20	PASS

	Ant2	5500	NV	0	3000	0.545455	20	PASS
			NV	10	3000	0.545455	20	PASS
			NV	20	2000	0.363636	20	PASS
			NV	30	2000	0.363636	20	PASS
			NV	40	2000	0.363636	20	PASS
	Ant1	5580	NV	0	1000	0.179211	20	PASS
			NV	10	1000	0.179211	20	PASS
			NV	20	2000	0.358423	20	PASS
			NV	30	2000	0.358423	20	PASS
			NV	40	2000	0.358423	20	PASS
	Ant2	5580	NV	0	2000	0.358423	20	PASS
			NV	10	2000	0.358423	20	PASS
			NV	20	3000	0.537634	20	PASS
			NV	30	3000	0.537634	20	PASS
			NV	40	3000	0.537634	20	PASS
	Ant1	5700	NV	0	1000	0.175439	20	PASS
			NV	10	1000	0.175439	20	PASS
			NV	20	1000	0.175439	20	PASS
			NV	30	1000	0.175439	20	PASS
			NV	40	1000	0.175439	20	PASS
	Ant2	5700	NV	0	2000	0.350877	20	PASS
			NV	10	2000	0.350877	20	PASS
			NV	20	2000	0.350877	20	PASS
			NV	30	3000	0.526316	20	PASS
			NV	40	3000	0.526316	20	PASS
	Ant1	5745	NV	0	1000	0.174064	20	PASS
			NV	10	1000	0.174064	20	PASS
			NV	20	1000	0.174064	20	PASS
			NV	30	1000	0.174064	20	PASS
			NV	40	1000	0.174064	20	PASS
	Ant2	5745	NV	0	3000	0.522193	20	PASS
			NV	10	3000	0.522193	20	PASS
			NV	20	3000	0.522193	20	PASS
			NV	30	3000	0.522193	20	PASS
			NV	40	3000	0.522193	20	PASS
	Ant1	5785	NV	0	-1000	-0.172861	20	PASS
			NV	10	-1000	-0.172861	20	PASS
			NV	20	-1000	-0.172861	20	PASS
			NV	30	-1000	-0.172861	20	PASS
			NV	40	-1000	-0.172861	20	PASS
	Ant2	5785	NV	0	3000	0.518583	20	PASS
			NV	10	3000	0.518583	20	PASS
			NV	20	3000	0.518583	20	PASS

			NV	30	3000	0.518583	20	PASS
			NV	40	3000	0.518583	20	PASS
	Ant1	5825	NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	1000	0.171674	20	PASS
			NV	40	1000	0.171674	20	PASS
	Ant2	5825	NV	0	3000	0.515021	20	PASS
			NV	10	3000	0.515021	20	PASS
			NV	20	4000	0.686695	20	PASS
			NV	30	3000	0.515021	20	PASS
			NV	40	3000	0.515021	20	PASS
11N20SISO	Ant1	5180	NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	1000	0.19305	20	PASS
			NV	30	1000	0.19305	20	PASS
			NV	40	1000	0.19305	20	PASS
	Ant2	5180	NV	0	3000	0.579151	20	PASS
			NV	10	3000	0.579151	20	PASS
			NV	20	3000	0.579151	20	PASS
			NV	30	3000	0.579151	20	PASS
			NV	40	3000	0.579151	20	PASS
	Ant1	5200	NV	0	1000	0.192308	20	PASS
			NV	10	1000	0.192308	20	PASS
			NV	20	1000	0.192308	20	PASS
			NV	30	1000	0.192308	20	PASS
			NV	40	1000	0.192308	20	PASS
	Ant2	5200	NV	0	3000	0.576923	20	PASS
			NV	10	3000	0.576923	20	PASS
			NV	20	3000	0.576923	20	PASS
			NV	30	3000	0.576923	20	PASS
			NV	40	3000	0.576923	20	PASS
	Ant1	5240	NV	0	1000	0.19084	20	PASS
			NV	10	1000	0.19084	20	PASS
			NV	20	1000	0.19084	20	PASS
			NV	30	1000	0.19084	20	PASS
			NV	40	1000	0.19084	20	PASS
	Ant2	5240	NV	0	4000	0.763359	20	PASS
			NV	10	4000	0.763359	20	PASS
			NV	20	4000	0.763359	20	PASS
			NV	30	4000	0.763359	20	PASS
			NV	40	4000	0.763359	20	PASS
	Ant1	5260	NV	0	1000	0.190114	20	PASS

			NV	10	1000	0.190114	20	PASS
			NV	20	1000	0.190114	20	PASS
			NV	30	2000	0.380228	20	PASS
			NV	40	2000	0.380228	20	PASS
	Ant2	5260	NV	0	4000	0.760456	20	PASS
			NV	10	4000	0.760456	20	PASS
			NV	20	4000	0.760456	20	PASS
			NV	30	4000	0.760456	20	PASS
			NV	40	4000	0.760456	20	PASS
	Ant1	5280	NV	0	2000	0.378788	20	PASS
			NV	10	2000	0.378788	20	PASS
			NV	20	2000	0.378788	20	PASS
			NV	30	2000	0.378788	20	PASS
			NV	40	2000	0.378788	20	PASS
	Ant2	5280	NV	0	5000	0.94697	20	PASS
			NV	10	5000	0.94697	20	PASS
			NV	20	4000	0.757576	20	PASS
			NV	30	4000	0.757576	20	PASS
			NV	40	4000	0.757576	20	PASS
	Ant1	5320	NV	0	1000	0.18797	20	PASS
			NV	10	2000	0.37594	20	PASS
			NV	20	1000	0.18797	20	PASS
			NV	30	2000	0.37594	20	PASS
			NV	40	1000	0.18797	20	PASS
	Ant2	5320	NV	0	4000	0.75188	20	PASS
			NV	10	4000	0.75188	20	PASS
			NV	20	4000	0.75188	20	PASS
			NV	30	4000	0.75188	20	PASS
			NV	40	4000	0.75188	20	PASS
	Ant1	5500	NV	0	1000	0.181818	20	PASS
			NV	10	1000	0.181818	20	PASS
			NV	20	1000	0.181818	20	PASS
			NV	30	1000	0.181818	20	PASS
			NV	40	1000	0.181818	20	PASS
	Ant2	5500	NV	0	4000	0.727273	20	PASS
			NV	10	4000	0.727273	20	PASS
			NV	20	4000	0.727273	20	PASS
			NV	30	4000	0.727273	20	PASS
			NV	40	4000	0.727273	20	PASS
	Ant1	5580	NV	0	1000	0.179211	20	PASS
			NV	10	2000	0.358423	20	PASS
			NV	20	2000	0.358423	20	PASS
			NV	30	2000	0.358423	20	PASS

			NV	40	2000	0.358423	20	PASS
	Ant2	5580	NV	0	-4000	-0.716846	20	PASS
			NV	10	-4000	-0.716846	20	PASS
			NV	20	-4000	-0.716846	20	PASS
			NV	30	-3000	-0.537634	20	PASS
			NV	40	-3000	-0.537634	20	PASS
	Ant1	5700	NV	0	1000	0.175439	20	PASS
			NV	10	1000	0.175439	20	PASS
			NV	20	1000	0.175439	20	PASS
			NV	30	1000	0.175439	20	PASS
			NV	40	1000	0.175439	20	PASS
	Ant2	5700	NV	0	-2000	-0.350877	20	PASS
			NV	10	-2000	-0.350877	20	PASS
			NV	20	-1000	-0.175439	20	PASS
			NV	30	-1000	-0.175439	20	PASS
			NV	40	-1000	-0.175439	20	PASS
	Ant1	5745	NV	0	-1000	-0.174064	20	PASS
			NV	10	-1000	-0.174064	20	PASS
			NV	20	-1000	-0.174064	20	PASS
			NV	30	-1000	-0.174064	20	PASS
			NV	40	-1000	-0.174064	20	PASS
	Ant2	5745	NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
	Ant1	5785	NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
	Ant2	5785	NV	0	1000	0.172861	20	PASS
			NV	10	1000	0.172861	20	PASS
			NV	20	1000	0.172861	20	PASS
			NV	30	1000	0.172861	20	PASS
			NV	40	1000	0.172861	20	PASS
	Ant1	5825	NV	0	-1000	-0.171674	20	PASS
			NV	10	-1000	-0.171674	20	PASS
			NV	20	-2000	-0.343348	20	PASS
			NV	30	-2000	-0.343348	20	PASS
			NV	40	-2000	-0.343348	20	PASS
	Ant2	5825	NV	0	1000	0.171674	20	PASS
			NV	10	1000	0.171674	20	PASS

			NV	20	1000	0.171674	20	PASS
			NV	30	1000	0.171674	20	PASS
			NV	40	1000	0.171674	20	PASS
11N40SISO	Ant1	5190	NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
	Ant2	5190	NV	0	1000	0.192678	20	PASS
			NV	10	1000	0.192678	20	PASS
			NV	20	1000	0.192678	20	PASS
			NV	30	1000	0.192678	20	PASS
			NV	40	1000	0.192678	20	PASS
	Ant1	5230	NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	1000	0.191205	20	PASS
			NV	30	1000	0.191205	20	PASS
			NV	40	1000	0.191205	20	PASS
	Ant2	5230	NV	0	2000	0.382409	20	PASS
			NV	10	2000	0.382409	20	PASS
			NV	20	2000	0.382409	20	PASS
			NV	30	2000	0.382409	20	PASS
			NV	40	2000	0.382409	20	PASS
	Ant1	5270	NV	0	1000	0.189753	20	PASS
			NV	10	1000	0.189753	20	PASS
			NV	20	1000	0.189753	20	PASS
			NV	30	1000	0.189753	20	PASS
			NV	40	1000	0.189753	20	PASS
	Ant2	5270	NV	0	3000	0.56926	20	PASS
			NV	10	3000	0.56926	20	PASS
			NV	20	3000	0.56926	20	PASS
			NV	30	3000	0.56926	20	PASS
			NV	40	4000	0.759013	20	PASS
	Ant1	5310	NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	1000	0.188324	20	PASS
	Ant2	5310	NV	0	4000	0.753296	20	PASS
			NV	10	4000	0.753296	20	PASS
			NV	20	5000	0.94162	20	PASS
			NV	30	4000	0.753296	20	PASS
			NV	40	5000	0.94162	20	PASS

	Ant1	5510	NV	0	-5000	-0.907441	20	PASS
			NV	10	-6000	-1.088929	20	PASS
			NV	20	-6000	-1.088929	20	PASS
			NV	30	-6000	-1.088929	20	PASS
			NV	40	-6000	-1.088929	20	PASS
	Ant2	5510	NV	0	6000	1.088929	20	PASS
			NV	10	6000	1.088929	20	PASS
			NV	20	6000	1.088929	20	PASS
			NV	30	6000	1.088929	20	PASS
			NV	40	6000	1.088929	20	PASS
	Ant1	5550	NV	0	-6000	-1.081081	20	PASS
			NV	10	-6000	-1.081081	20	PASS
			NV	20	-5000	-0.900901	20	PASS
			NV	30	-5000	-0.900901	20	PASS
			NV	40	-5000	-0.900901	20	PASS
	Ant2	5550	NV	0	6000	1.081081	20	PASS
			NV	10	5000	0.900901	20	PASS
			NV	20	6000	1.081081	20	PASS
			NV	30	6000	1.081081	20	PASS
			NV	40	6000	1.081081	20	PASS
	Ant1	5670	NV	0	-4000	-0.705467	20	PASS
			NV	10	-3000	-0.529101	20	PASS
			NV	20	-3000	-0.529101	20	PASS
			NV	30	-3000	-0.529101	20	PASS
			NV	40	-3000	-0.529101	20	PASS
	Ant2	5670	NV	0	6000	1.058201	20	PASS
			NV	10	6000	1.058201	20	PASS
			NV	20	6000	1.058201	20	PASS
			NV	30	6000	1.058201	20	PASS
			NV	40	6000	1.058201	20	PASS
	Ant1	5755	NV	0	-2000	-0.347524	20	PASS
			NV	10	-2000	-0.347524	20	PASS
			NV	20	-2000	-0.347524	20	PASS
			NV	30	-1000	-0.173762	20	PASS
			NV	40	-1000	-0.173762	20	PASS
	Ant2	5755	NV	0	7000	1.216334	20	PASS
			NV	10	7000	1.216334	20	PASS
			NV	20	7000	1.216334	20	PASS
			NV	30	7000	1.216334	20	PASS
			NV	40	7000	1.216334	20	PASS
	Ant1	5795	NV	0	-1000	-0.172563	20	PASS
			NV	10	-2000	-0.345125	20	PASS
			NV	20	-2000	-0.345125	20	PASS

			NV	30	-2000	-0.345125	20	PASS
			NV	40	-1000	-0.172563	20	PASS
	Ant2	5795	NV	0	5000	0.862813	20	PASS
			NV	10	5000	0.862813	20	PASS
			NV	20	5000	0.862813	20	PASS
			NV	30	5000	0.862813	20	PASS
			NV	40	5000	0.862813	20	PASS
11AC20S ISO	Ant1	5180	NV	0	-2000	-0.3861	20	PASS
			NV	10	-2000	-0.3861	20	PASS
			NV	20	-1000	-0.19305	20	PASS
			NV	30	-2000	-0.3861	20	PASS
			NV	40	-2000	-0.3861	20	PASS
	Ant2	5180	NV	0	3000	0.579151	20	PASS
			NV	10	3000	0.579151	20	PASS
			NV	20	3000	0.579151	20	PASS
			NV	30	3000	0.579151	20	PASS
			NV	40	3000	0.579151	20	PASS
	Ant1	5200	NV	0	-2000	-0.384615	20	PASS
			NV	10	-2000	-0.384615	20	PASS
			NV	20	-2000	-0.384615	20	PASS
			NV	30	-1000	-0.192308	20	PASS
			NV	40	-1000	-0.192308	20	PASS
	Ant2	5200	NV	0	3000	0.576923	20	PASS
			NV	10	3000	0.576923	20	PASS
			NV	20	3000	0.576923	20	PASS
			NV	30	3000	0.576923	20	PASS
			NV	40	3000	0.576923	20	PASS
	Ant1	5240	NV	0	4000	0.763359	20	PASS
			NV	10	4000	0.763359	20	PASS
			NV	20	4000	0.763359	20	PASS
			NV	30	4000	0.763359	20	PASS
			NV	40	4000	0.763359	20	PASS
	Ant2	5240	NV	0	3000	0.572519	20	PASS
			NV	10	3000	0.572519	20	PASS
			NV	20	3000	0.572519	20	PASS
			NV	30	3000	0.572519	20	PASS
			NV	40	3000	0.572519	20	PASS
	Ant1	5260	NV	0	4000	0.760456	20	PASS
			NV	10	4000	0.760456	20	PASS
			NV	20	5000	0.95057	20	PASS
			NV	30	5000	0.95057	20	PASS
			NV	40	5000	0.95057	20	PASS
	Ant2	5260	NV	0	3000	0.570342	20	PASS

			NV	10	3000	0.570342	20	PASS
			NV	20	3000	0.570342	20	PASS
			NV	30	3000	0.570342	20	PASS
			NV	40	3000	0.570342	20	PASS
	Ant1	5280	NV	0	5000	0.94697	20	PASS
			NV	10	5000	0.94697	20	PASS
			NV	20	5000	0.94697	20	PASS
			NV	30	5000	0.94697	20	PASS
			NV	40	5000	0.94697	20	PASS
	Ant2	5280	NV	0	3000	0.568182	20	PASS
			NV	10	3000	0.568182	20	PASS
			NV	20	3000	0.568182	20	PASS
			NV	30	3000	0.568182	20	PASS
			NV	40	3000	0.568182	20	PASS
	Ant1	5320	NV	0	6000	1.12782	20	PASS
			NV	10	6000	1.12782	20	PASS
			NV	20	6000	1.12782	20	PASS
			NV	30	6000	1.12782	20	PASS
			NV	40	6000	1.12782	20	PASS
	Ant2	5320	NV	0	3000	0.56391	20	PASS
			NV	10	3000	0.56391	20	PASS
			NV	20	3000	0.56391	20	PASS
			NV	30	3000	0.56391	20	PASS
			NV	40	3000	0.56391	20	PASS
	Ant1	5500	NV	0	6000	1.090909	20	PASS
			NV	10	6000	1.090909	20	PASS
			NV	20	6000	1.090909	20	PASS
			NV	30	6000	1.090909	20	PASS
			NV	40	6000	1.090909	20	PASS
	Ant2	5500	NV	0	3000	0.545455	20	PASS
			NV	10	3000	0.545455	20	PASS
			NV	20	3000	0.545455	20	PASS
			NV	30	3000	0.545455	20	PASS
			NV	40	3000	0.545455	20	PASS
	Ant1	5580	NV	0	6000	1.075269	20	PASS
			NV	10	6000	1.075269	20	PASS
			NV	20	6000	1.075269	20	PASS
			NV	30	6000	1.075269	20	PASS
			NV	40	6000	1.075269	20	PASS
	Ant2	5580	NV	0	4000	0.716846	20	PASS
			NV	10	4000	0.716846	20	PASS
			NV	20	4000	0.716846	20	PASS
			NV	30	4000	0.716846	20	PASS

			NV	40	4000	0.716846	20	PASS
	Ant1	5700	NV	0	6000	1.052632	20	PASS
			NV	10	6000	1.052632	20	PASS
			NV	20	6000	1.052632	20	PASS
			NV	30	6000	1.052632	20	PASS
			NV	40	6000	1.052632	20	PASS
	Ant2	5700	NV	0	4000	0.701754	20	PASS
			NV	10	4000	0.701754	20	PASS
			NV	20	3000	0.526316	20	PASS
			NV	30	4000	0.701754	20	PASS
			NV	40	4000	0.701754	20	PASS
	Ant1	5745	NV	0	6000	1.044386	20	PASS
			NV	10	6000	1.044386	20	PASS
			NV	20	6000	1.044386	20	PASS
			NV	30	6000	1.044386	20	PASS
			NV	40	6000	1.044386	20	PASS
	Ant2	5745	NV	0	4000	0.696258	20	PASS
			NV	10	4000	0.696258	20	PASS
			NV	20	4000	0.696258	20	PASS
			NV	30	4000	0.696258	20	PASS
			NV	40	3000	0.522193	20	PASS
	Ant1	5785	NV	0	6000	1.037165	20	PASS
			NV	10	7000	1.210026	20	PASS
			NV	20	7000	1.210026	20	PASS
			NV	30	7000	1.210026	20	PASS
			NV	40	7000	1.210026	20	PASS
	Ant2	5785	NV	0	3000	0.518583	20	PASS
			NV	10	3000	0.518583	20	PASS
			NV	20	3000	0.518583	20	PASS
			NV	30	3000	0.518583	20	PASS
			NV	40	3000	0.518583	20	PASS
	Ant1	5825	NV	0	7000	1.201717	20	PASS
			NV	10	7000	1.201717	20	PASS
			NV	20	7000	1.201717	20	PASS
			NV	30	7000	1.201717	20	PASS
			NV	40	7000	1.201717	20	PASS
	Ant2	5825	NV	0	3000	0.515021	20	PASS
			NV	10	3000	0.515021	20	PASS
			NV	20	3000	0.515021	20	PASS
			NV	30	3000	0.515021	20	PASS
			NV	40	3000	0.515021	20	PASS
11AC40S ISO	Ant1	5190	NV	0	6000	1.156069	20	PASS
			NV	10	5000	0.963391	20	PASS

			NV	20	6000	1.156069	20	PASS
			NV	30	5000	0.963391	20	PASS
			NV	40	5000	0.963391	20	PASS
	Ant2	5190	NV	0	3000	0.578035	20	PASS
			NV	10	3000	0.578035	20	PASS
			NV	20	3000	0.578035	20	PASS
			NV	30	3000	0.578035	20	PASS
			NV	40	3000	0.578035	20	PASS
	Ant1	5230	NV	0	6000	1.147228	20	PASS
			NV	10	6000	1.147228	20	PASS
			NV	20	6000	1.147228	20	PASS
			NV	30	6000	1.147228	20	PASS
			NV	40	6000	1.147228	20	PASS
	Ant2	5230	NV	0	3000	0.573614	20	PASS
			NV	10	3000	0.573614	20	PASS
			NV	20	3000	0.573614	20	PASS
			NV	30	3000	0.573614	20	PASS
			NV	40	3000	0.573614	20	PASS
	Ant1	5270	NV	0	6000	1.13852	20	PASS
			NV	10	7000	1.328273	20	PASS
			NV	20	7000	1.328273	20	PASS
			NV	30	7000	1.328273	20	PASS
			NV	40	7000	1.328273	20	PASS
	Ant2	5270	NV	0	4000	0.759013	20	PASS
			NV	10	4000	0.759013	20	PASS
			NV	20	4000	0.759013	20	PASS
			NV	30	4000	0.759013	20	PASS
			NV	40	4000	0.759013	20	PASS
	Ant1	5310	NV	0	7000	1.318267	20	PASS
			NV	10	7000	1.318267	20	PASS
			NV	20	7000	1.318267	20	PASS
			NV	30	7000	1.318267	20	PASS
			NV	40	7000	1.318267	20	PASS
	Ant2	5310	NV	0	4000	0.753296	20	PASS
			NV	10	5000	0.94162	20	PASS
			NV	20	5000	0.94162	20	PASS
			NV	30	5000	0.94162	20	PASS
			NV	40	5000	0.94162	20	PASS
	Ant1	5510	NV	0	8000	1.451906	20	PASS
			NV	10	9000	1.633394	20	PASS
			NV	20	9000	1.633394	20	PASS
			NV	30	9000	1.633394	20	PASS
			NV	40	9000	1.633394	20	PASS

	Ant2	5510	NV	0	6000	1.088929	20	PASS
			NV	10	6000	1.088929	20	PASS
			NV	20	6000	1.088929	20	PASS
			NV	30	6000	1.088929	20	PASS
			NV	40	6000	1.088929	20	PASS
	Ant1	5550	NV	0	8000	1.441441	20	PASS
			NV	10	8000	1.441441	20	PASS
			NV	20	8000	1.441441	20	PASS
			NV	30	8000	1.441441	20	PASS
			NV	40	8000	1.441441	20	PASS
	Ant2	5550	NV	0	6000	1.081081	20	PASS
			NV	10	6000	1.081081	20	PASS
			NV	20	6000	1.081081	20	PASS
			NV	30	6000	1.081081	20	PASS
			NV	40	6000	1.081081	20	PASS
	Ant1	5670	NV	0	8000	1.410935	20	PASS
			NV	10	8000	1.410935	20	PASS
			NV	20	8000	1.410935	20	PASS
			NV	30	8000	1.410935	20	PASS
			NV	40	8000	1.410935	20	PASS
	Ant2	5670	NV	0	6000	1.058201	20	PASS
			NV	10	5000	0.881834	20	PASS
			NV	20	5000	0.881834	20	PASS
			NV	30	5000	0.881834	20	PASS
			NV	40	5000	0.881834	20	PASS
	Ant1	5755	NV	0	9000	1.563858	20	PASS
			NV	10	10000	1.737619	20	PASS
			NV	20	10000	1.737619	20	PASS
			NV	30	10000	1.737619	20	PASS
			NV	40	10000	1.737619	20	PASS
	Ant2	5755	NV	0	5000	0.86881	20	PASS
			NV	10	5000	0.86881	20	PASS
			NV	20	5000	0.86881	20	PASS
			NV	30	6000	1.042572	20	PASS
			NV	40	5000	0.86881	20	PASS
	Ant1	5795	NV	0	9000	1.553063	20	PASS
			NV	10	9000	1.553063	20	PASS
			NV	20	9000	1.553063	20	PASS
			NV	30	9000	1.553063	20	PASS
			NV	40	9000	1.553063	20	PASS
	Ant2	5795	NV	0	4000	0.69025	20	PASS
			NV	10	4000	0.69025	20	PASS
			NV	20	4000	0.69025	20	PASS

			NV	30	4000	0.69025	20	PASS
			NV	40	4000	0.69025	20	PASS
11AC80S ISO	Ant1	5210	NV	0	-5000	-0.959693	20	PASS
			NV	10	-5000	-0.959693	20	PASS
			NV	20	-5000	-0.959693	20	PASS
			NV	30	-5000	-0.959693	20	PASS
			NV	40	-5000	-0.959693	20	PASS
	Ant2	5210	NV	0	3000	0.575816	20	PASS
			NV	10	4000	0.767754	20	PASS
			NV	20	3000	0.575816	20	PASS
			NV	30	3000	0.575816	20	PASS
			NV	40	3000	0.575816	20	PASS
	Ant1	5290	NV	0	-3000	-0.567108	20	PASS
			NV	10	-3000	-0.567108	20	PASS
			NV	20	-3000	-0.567108	20	PASS
			NV	30	-2000	-0.378072	20	PASS
			NV	40	-2000	-0.378072	20	PASS
	Ant2	5290	NV	0	4000	0.756144	20	PASS
			NV	10	4000	0.756144	20	PASS
			NV	20	4000	0.756144	20	PASS
			NV	30	4000	0.756144	20	PASS
			NV	40	4000	0.756144	20	PASS
	Ant1	5530	NV	0	0	0	20	PASS
			NV	10	1000	0.180832	20	PASS
			NV	20	0	0	20	PASS
			NV	30	1000	0.180832	20	PASS
			NV	40	1000	0.180832	20	PASS
	Ant2	5530	NV	0	5000	0.904159	20	PASS
			NV	10	5000	0.904159	20	PASS
			NV	20	5000	0.904159	20	PASS
			NV	30	5000	0.904159	20	PASS
			NV	40	5000	0.904159	20	PASS
	Ant1	5610	NV	0	1000	0.178253	20	PASS
			NV	10	2000	0.356506	20	PASS
			NV	20	1000	0.178253	20	PASS
			NV	30	2000	0.356506	20	PASS
			NV	40	2000	0.356506	20	PASS
	Ant2	5610	NV	0	5000	0.891266	20	PASS
			NV	10	4000	0.713012	20	PASS
			NV	20	5000	0.891266	20	PASS
			NV	30	4000	0.713012	20	PASS
			NV	40	4000	0.713012	20	PASS
	Ant1	5775	NV	0	3000	0.519481	20	PASS

			NV	10	3000	0.519481	20	PASS
			NV	20	3000	0.519481	20	PASS
			NV	30	3000	0.519481	20	PASS
			NV	40	3000	0.519481	20	PASS
	Ant2	5775	NV	0	5000	0.865801	20	PASS
			NV	10	5000	0.865801	20	PASS
			NV	20	5000	0.865801	20	PASS
			NV	30	5000	0.865801	20	PASS
			NV	40	5000	0.865801	20	PASS

Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.05	2.26	90.71
	Ant2	5180	2.05	2.22	92.34
	Ant1	5200	2.05	2.22	92.34
	Ant2	5200	2.05	2.18	94.04
	Ant1	5240	2.05	2.22	92.34
	Ant2	5240	2.05	2.27	90.31
	Ant1	5260	2.05	2.27	90.31
	Ant2	5260	2.05	2.28	89.91
	Ant1	5280	2.05	2.16	94.91
	Ant2	5280	2.05	2.23	91.93
	Ant1	5320	2.05	2.24	91.52
	Ant2	5320	2.05	2.15	95.35
	Ant1	5500	2.05	2.23	91.93
	Ant2	5500	2.05	2.18	94.04
	Ant1	5580	2.05	2.25	91.11
	Ant2	5580	2.05	2.22	92.34
	Ant1	5700	2.05	2.24	91.52
	Ant2	5700	2.05	2.19	93.61
	Ant1	5745	2.05	2.22	92.34
	Ant2	5745	2.05	2.19	93.61
	Ant1	5785	2.05	2.28	89.91
	Ant2	5785	2.05	2.26	90.71
	Ant1	5825	2.05	2.31	88.74
	Ant2	5825	2.05	2.17	94.47
11N20SISO	Ant1	5180	1.91	2.14	89.25
	Ant2	5180	1.91	2.04	93.63
	Ant1	5200	1.91	2.02	94.55
	Ant2	5200	1.91	2.12	90.09
	Ant1	5240	1.91	2.14	89.25
	Ant2	5240	1.91	2.10	90.95
	Ant1	5260	1.91	2.00	95.50
	Ant2	5260	1.91	2.08	91.83
	Ant1	5280	1.91	2.04	93.63
	Ant2	5280	1.91	2.03	94.09
	Ant1	5320	1.91	2.01	95.02
	Ant2	5320	1.91	2.08	91.83
	Ant1	5500	1.91	2.06	92.72
	Ant2	5500	1.91	2.05	93.17

	Ant1	5580	1.91	2.14	89.25
	Ant2	5580	1.91	2.13	89.67
	Ant1	5700	1.91	2.13	89.67
	Ant2	5700	1.91	2.05	93.17
	Ant1	5745	1.91	2.07	92.27
	Ant2	5745	1.91	2.14	89.25
	Ant1	5785	1.91	2.12	90.09
	Ant2	5785	1.91	2.08	91.83
	Ant1	5825	1.91	2.62	72.90
	Ant2	5825	1.91	2.01	95.02
11N40SISO	Ant1	5190	0.94	1.16	81.03
	Ant2	5190	0.94	1.08	87.04
	Ant1	5230	0.94	1.15	81.74
	Ant2	5230	0.94	1.08	87.04
	Ant1	5270	0.94	1.12	83.93
	Ant2	5270	0.94	1.17	80.34
	Ant1	5310	0.94	1.15	81.74
	Ant2	5310	0.94	1.13	83.19
	Ant1	5510	0.94	1.16	81.03
	Ant2	5510	0.94	1.06	88.68
	Ant1	5550	0.94	1.12	83.93
	Ant2	5550	0.94	1.07	87.85
	Ant1	5670	0.94	1.12	83.93
	Ant2	5670	0.94	1.08	87.04
	Ant1	5755	0.94	1.13	83.19
	Ant2	5755	0.94	1.03	91.26
	Ant1	5795	0.94	1.06	88.68
	Ant2	5795	0.94	1.08	87.04
11AC20SISO	Ant1	5180	1.92	2.12	90.57
	Ant2	5180	1.92	2.10	91.43
	Ant1	5200	1.92	2.14	89.72
	Ant2	5200	1.92	2.12	90.57
	Ant1	5240	1.92	2.08	92.31
	Ant2	5240	1.92	2.04	94.12
	Ant1	5260	1.92	2.06	93.20
	Ant2	5260	1.92	2.09	91.87
	Ant1	5280	1.92	2.13	90.14
	Ant2	5280	1.92	2.12	90.57
	Ant1	5320	1.92	2.11	91.00
	Ant2	5320	1.92	2.07	92.75
	Ant1	5500	1.92	2.13	90.14
	Ant2	5500	1.92	2.10	91.43
	Ant1	5580	1.92	2.09	91.87

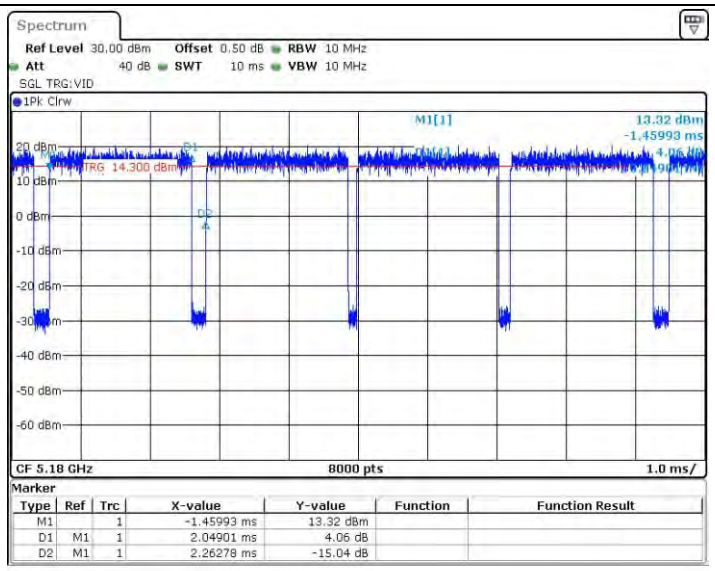
	Ant2	5580	1.92	2.16	88.89
	Ant1	5700	1.92	2.10	91.43
	Ant2	5700	1.92	2.14	89.72
	Ant1	5745	1.92	2.13	90.14
	Ant2	5745	1.92	2.04	94.12
	Ant1	5785	1.92	2.16	88.89
	Ant2	5785	1.92	2.08	92.31
	Ant1	5825	1.92	2.06	93.20
	Ant2	5825	1.92	2.14	89.72
11AC40SISO	Ant1	5190	0.95	1.08	87.96
	Ant2	5190	0.94	1.15	81.74
	Ant1	5230	0.94	1.16	81.03
	Ant2	5230	0.95	1.08	87.96
	Ant1	5270	0.94	1.12	83.93
	Ant2	5270	0.95	1.09	87.16
	Ant1	5310	0.94	1.12	83.93
	Ant2	5310	0.94	1.10	85.45
	Ant1	5510	0.94	1.18	79.66
	Ant2	5510	0.94	1.16	81.03
	Ant1	5550	0.94	1.17	80.34
	Ant2	5550	0.95	1.19	79.83
	Ant1	5670	0.94	1.16	81.03
	Ant2	5670	0.95	1.11	85.59
	Ant1	5755	0.94	1.13	83.19
	Ant2	5755	0.95	1.17	81.20
	Ant1	5795	0.94	1.08	87.04
	Ant2	5795	0.95	1.16	81.90
11AC80SISO	Ant1	5210	0.46	0.64	71.88
	Ant2	5210	0.46	0.68	67.65
	Ant1	5290	0.46	0.62	74.19
	Ant2	5290	0.46	0.62	74.19
	Ant1	5530	0.46	0.70	65.71
	Ant2	5530	0.46	0.68	67.65
	Ant1	5610	0.46	0.67	68.66
	Ant2	5610	0.46	0.62	74.19
	Ant1	5775	0.46	0.66	69.70
	Ant2	5775	0.46	0.59	77.97
11N20MIMO	Ant1	5180	0.98	1.15	85.22
	Ant2	5180	0.98	1.16	84.48
	Ant1	5200	0.98	1.12	87.50
	Ant2	5200	0.98	1.12	87.50
	Ant1	5240	0.98	1.07	91.59
	Ant2	5240	0.98	1.11	88.29

	Ant1	5260	0.98	1.18	83.05
	Ant2	5260	0.98	1.17	83.76
	Ant1	5280	0.98	1.08	90.74
	Ant2	5280	0.98	1.14	85.96
	Ant1	5320	0.98	1.18	83.05
	Ant2	5320	0.98	1.08	90.74
	Ant1	5500	0.98	1.12	87.50
	Ant2	5500	0.98	1.07	91.59
	Ant1	5580	0.98	1.16	84.48
	Ant2	5580	0.98	1.15	85.22
	Ant1	5700	0.98	1.13	86.73
	Ant2	5700	0.98	1.15	85.22
	Ant1	5745	0.98	1.14	85.96
	Ant2	5745	0.98	1.09	89.91
	Ant1	5785	0.98	1.10	89.09
	Ant2	5785	0.98	1.14	85.96
	Ant1	5825	0.98	1.07	91.59
	Ant2	5825	0.98	1.15	85.22
11N40MIMO	Ant1	5190	0.49	0.64	76.56
	Ant2	5190	0.49	0.72	68.06
	Ant1	5230	0.49	0.66	74.24
	Ant2	5230	0.49	0.63	77.78
	Ant1	5270	0.49	0.59	83.05
	Ant2	5270	0.49	0.67	73.13
	Ant1	5310	0.49	0.62	79.03
	Ant2	5310	0.49	0.67	73.13
	Ant1	5510	0.49	0.65	75.38
	Ant2	5510	0.49	0.71	69.01
	Ant1	5550	0.49	0.63	77.78
	Ant2	5550	0.49	0.70	70.00
	Ant1	5670	0.49	0.70	70.00
	Ant2	5670	0.49	0.62	79.03
	Ant1	5755	0.49	0.70	70.00
	Ant2	5755	0.49	0.62	79.03
	Ant1	5795	0.49	0.70	70.00
	Ant2	5795	0.49	0.71	69.01
11AC20MIMO	Ant1	5180	0.98	1.11	88.29
	Ant2	5180	0.98	1.18	83.05
	Ant1	5200	0.98	1.19	82.35
	Ant2	5200	0.98	1.22	80.33
	Ant1	5240	0.98	1.11	88.29
	Ant2	5240	0.98	1.12	87.50
	Ant1	5260	0.98	1.18	83.05

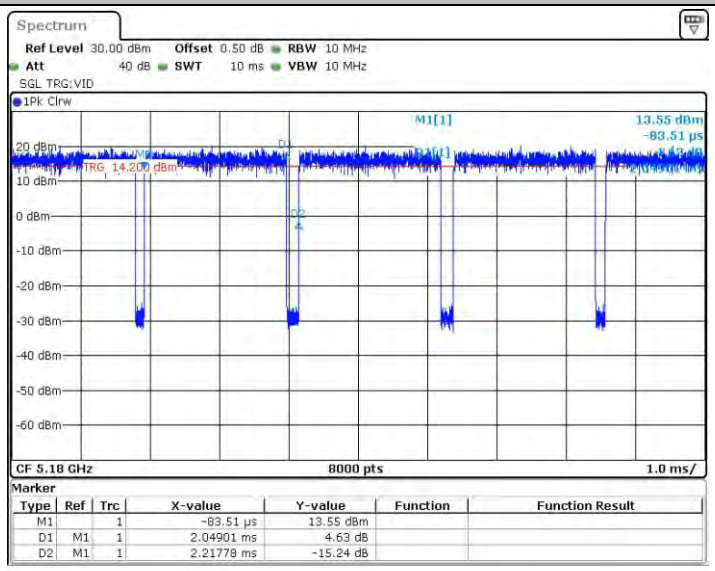
	Ant2	5260	0.98	1.19	82.35
	Ant1	5280	0.98	1.11	88.29
	Ant2	5280	0.98	1.16	84.48
	Ant1	5320	0.98	1.14	85.96
	Ant2	5320	0.98	1.24	79.03
	Ant1	5500	0.98	1.13	86.73
	Ant2	5500	0.98	1.20	81.67
	Ant1	5580	0.98	1.12	87.50
	Ant2	5580	0.98	1.14	85.96
	Ant1	5700	0.98	1.18	83.05
	Ant2	5700	0.98	1.17	83.76
	Ant1	5745	0.98	1.15	85.22
	Ant2	5745	0.98	1.13	86.73
	Ant1	5785	0.98	1.17	83.76
	Ant2	5785	0.98	1.12	87.50
	Ant1	5825	0.98	1.24	79.03
	Ant2	5825	0.98	1.11	88.29
11AC40MIMO	Ant1	5190	0.50	0.71	70.42
	Ant2	5190	0.50	0.66	75.76
	Ant1	5230	0.50	0.73	68.49
	Ant2	5230	0.50	0.64	78.13
	Ant1	5270	0.50	0.64	78.13
	Ant2	5270	0.50	0.64	78.13
	Ant1	5310	0.50	0.68	73.53
	Ant2	5310	0.50	0.70	71.43
	Ant1	5510	0.50	0.63	79.37
	Ant2	5510	0.50	0.72	69.44
	Ant1	5550	0.49	0.74	66.22
	Ant2	5550	0.50	0.71	70.42
	Ant1	5670	0.50	0.63	79.37
	Ant2	5670	0.49	0.75	65.33
	Ant1	5755	0.50	0.69	72.46
	Ant2	5755	0.50	0.74	67.57
	Ant1	5795	0.50	0.63	79.37
	Ant2	5795	0.50	0.64	78.13
11AC80MIMO	Ant1	5210	0.25	0.46	54.35
	Ant2	5210	0.25	0.49	51.02
	Ant1	5290	0.25	0.47	53.19
	Ant2	5290	0.25	0.38	65.79
	Ant1	5530	0.25	0.42	59.52
	Ant2	5530	0.25	0.39	64.10
	Ant1	5610	0.25	0.45	55.56
	Ant2	5610	0.25	0.49	51.02

	Ant1	5775	0.25	0.48	52.08
	Ant2	5775	0.25	0.46	54.35

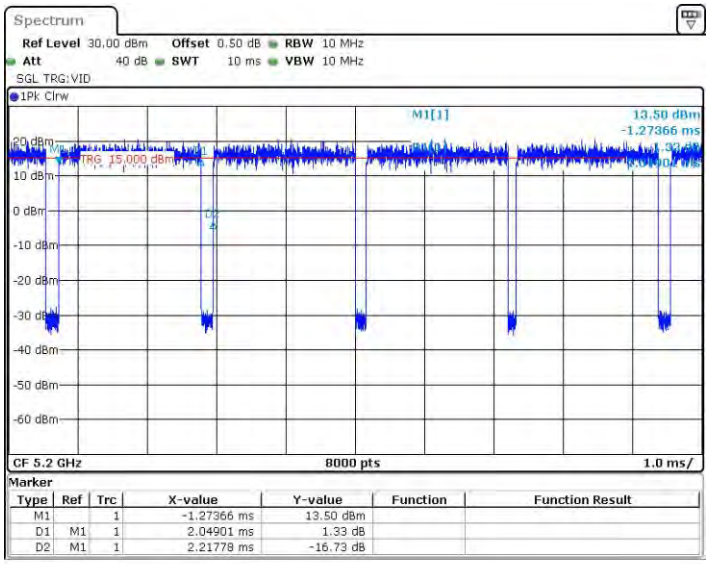
Test Graphs



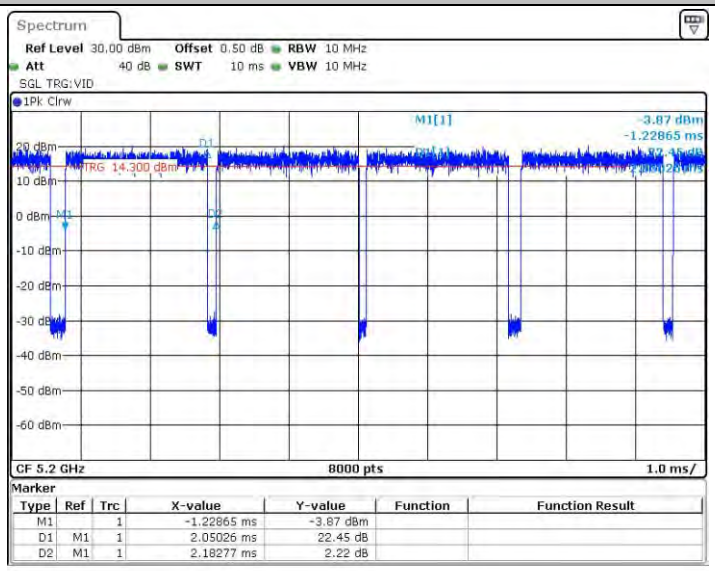
11A_Ant1_5180



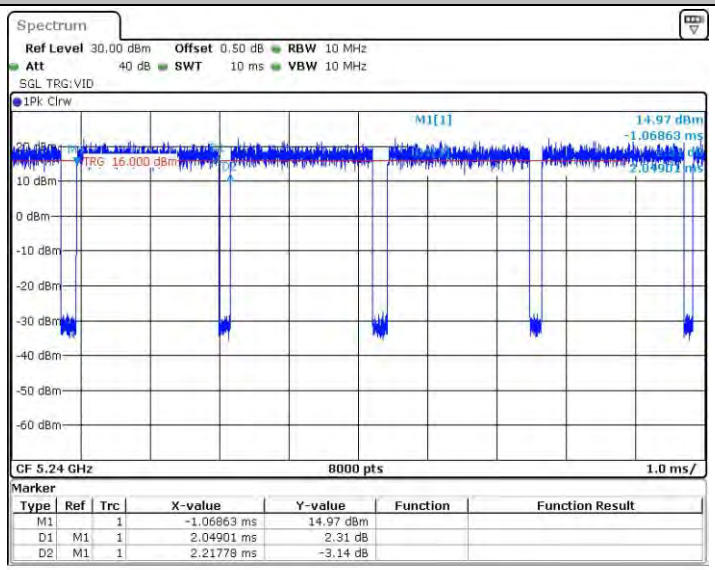
11A_Ant2_5180



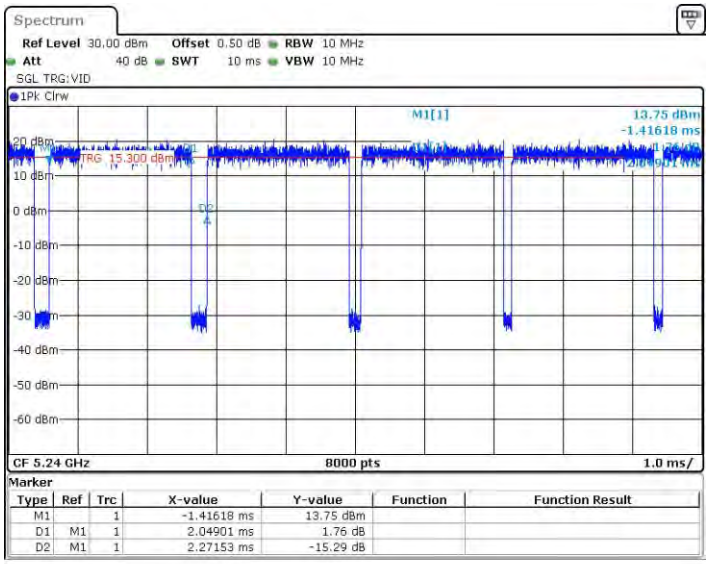
11A_Ant1_5200



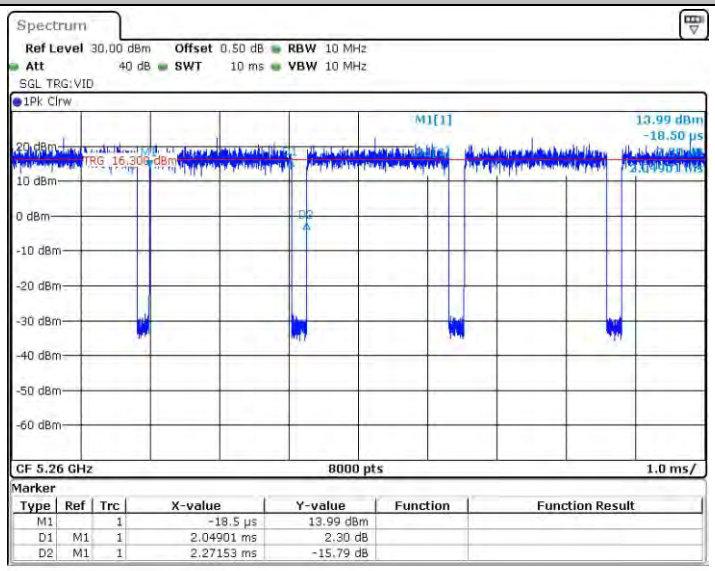
11A_Ant2_5200



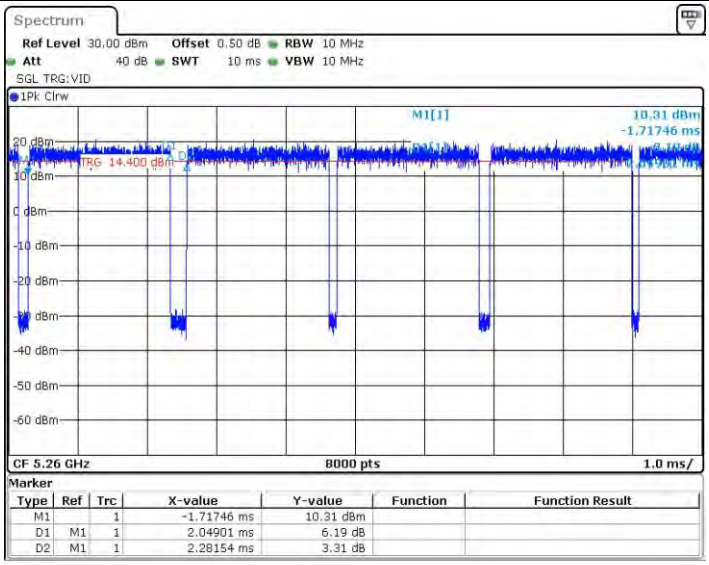
11A_Ant1_5240



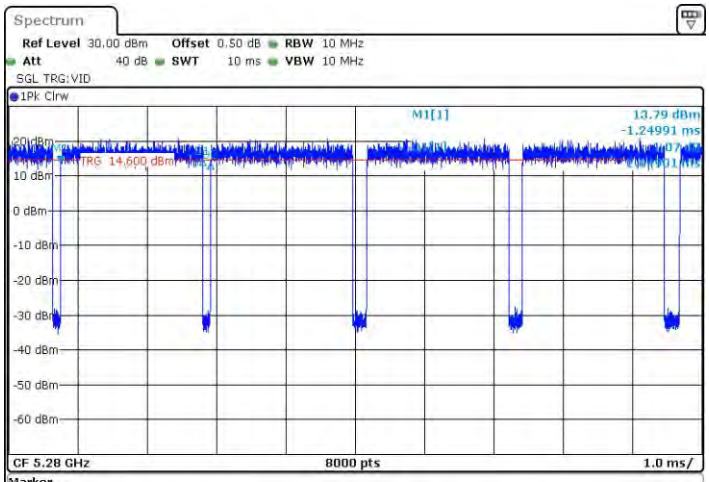
11A_Ant2_5240



11A_Ant1_5260



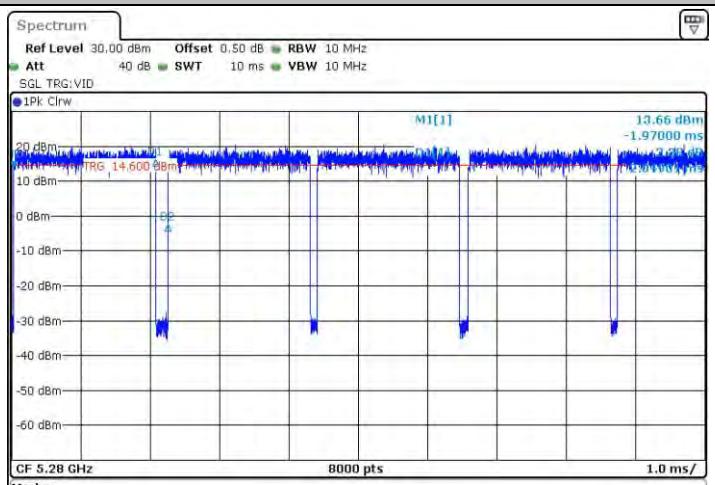
11A_Ant2_5260



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-1.24991 ms	13.79 dBm		
D1	M1	1	2.04901 ms	1.07 dB		
D2	M1	1	2.15527 ms	-0.02 dB		

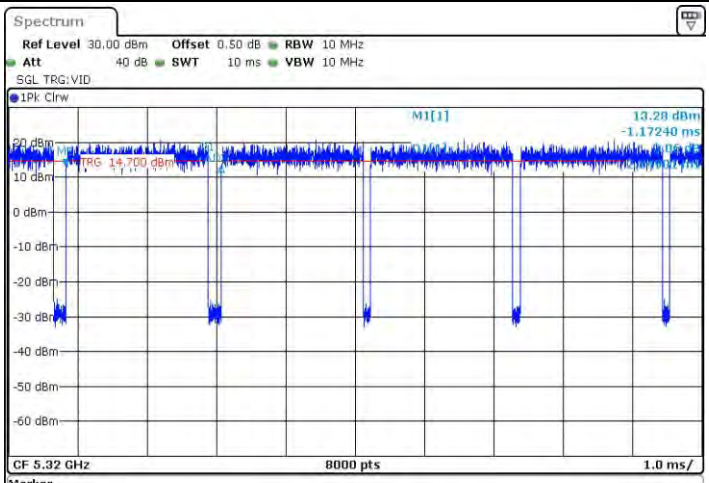
11A_Ant1_5280



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-1.97 ms	13.66 dBm		
D1	M1	1	2.04901 ms	2.38 dB		
D2	M1	1	2.22653 ms	-16.24 dB		

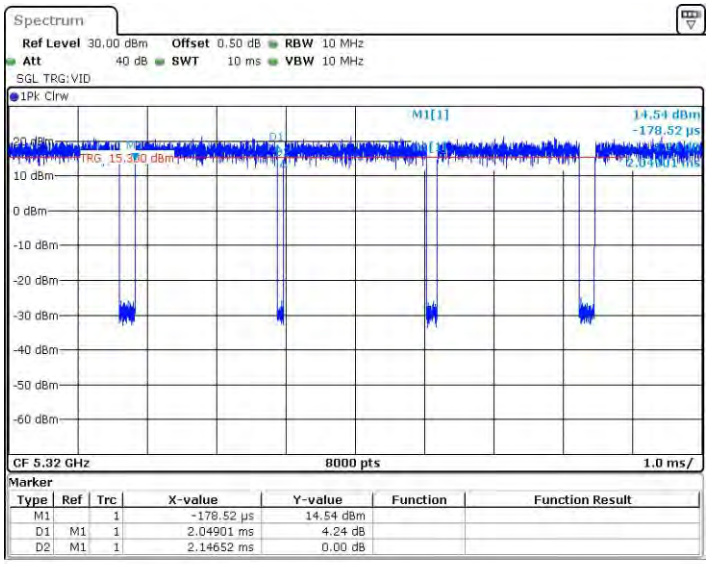
11A_Ant2_5280



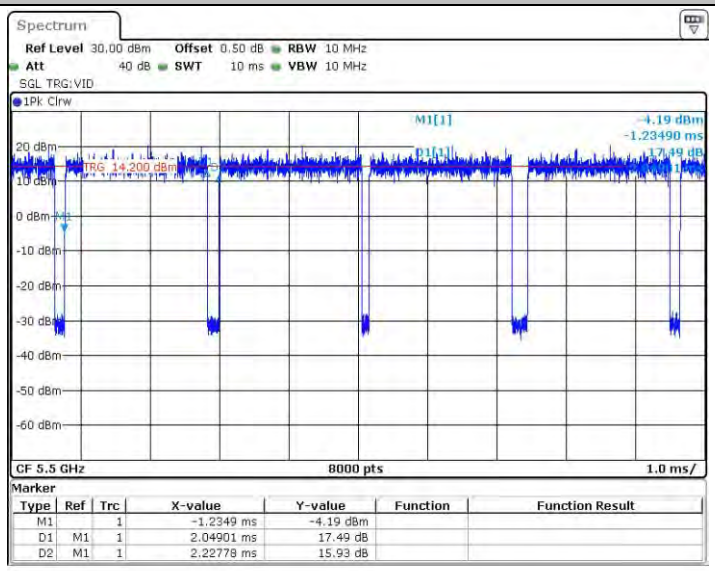
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-1.1724 ms	13.28 dBm		
D1	M1	1	2.04901 ms	3.06 dB		
D2	M1	1	2.23653 ms	0.07 dB		

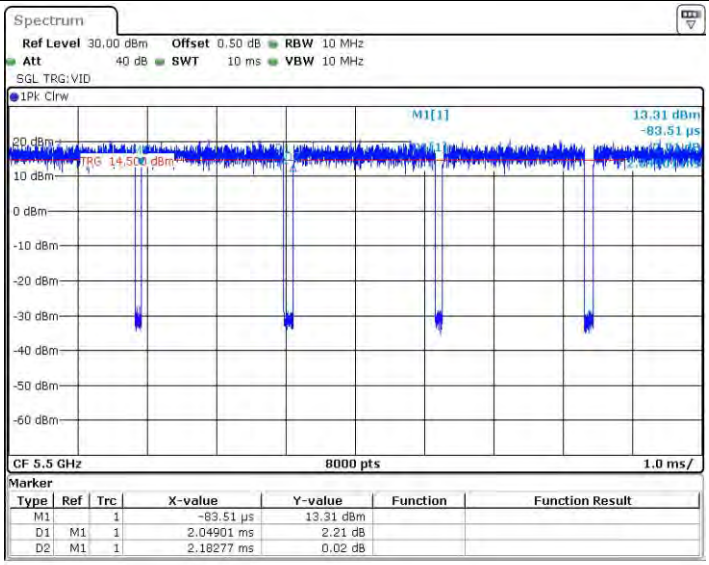
11A_Ant1_5320



11A_Ant2_5320



11A_Ant1_5500



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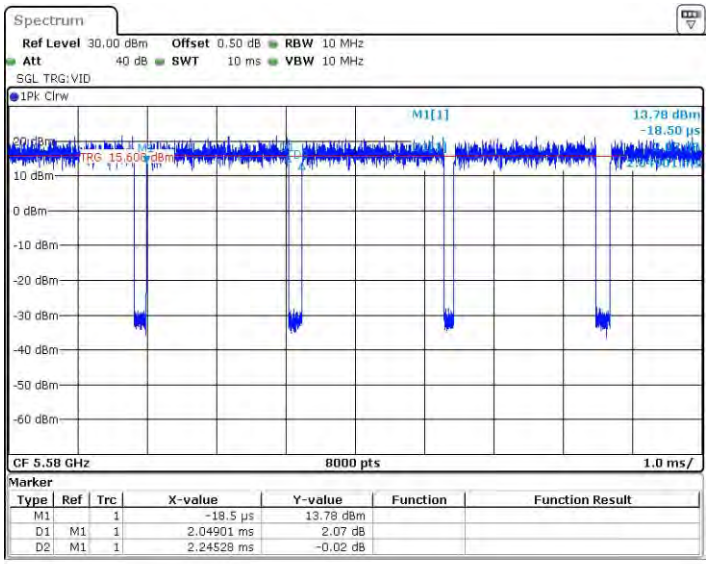

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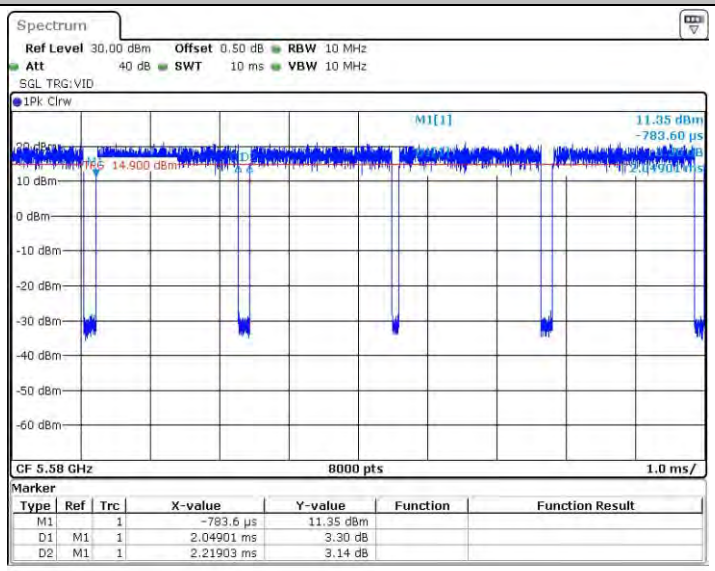

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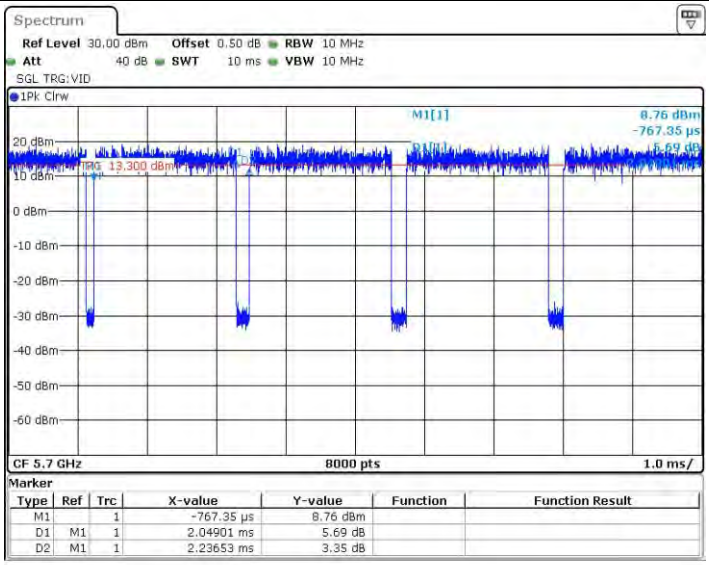

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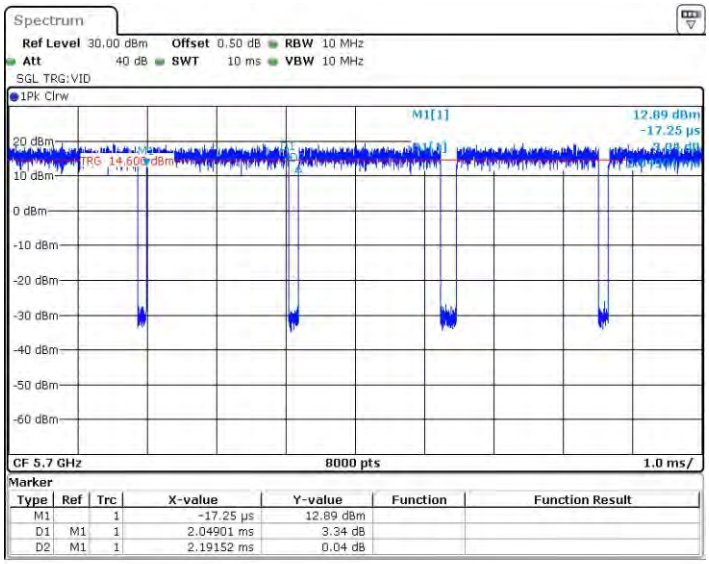

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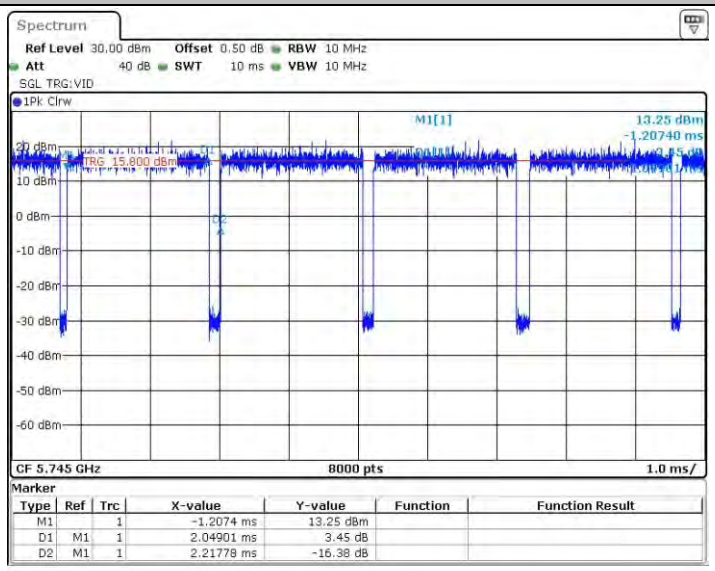
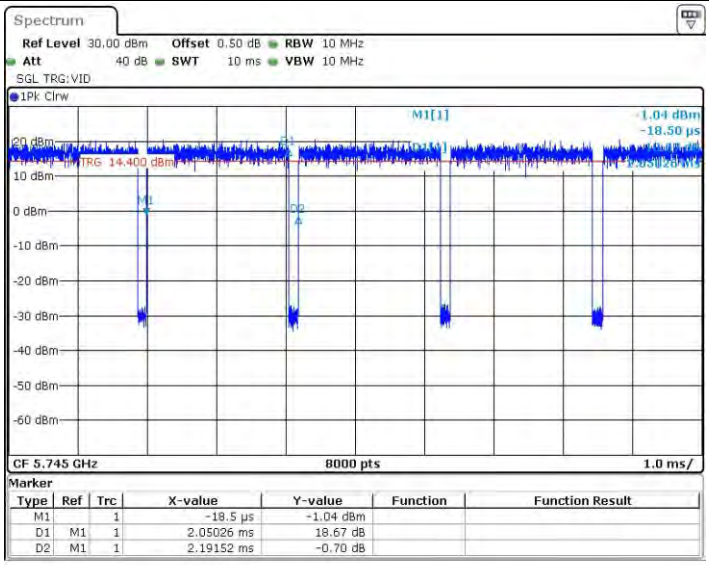
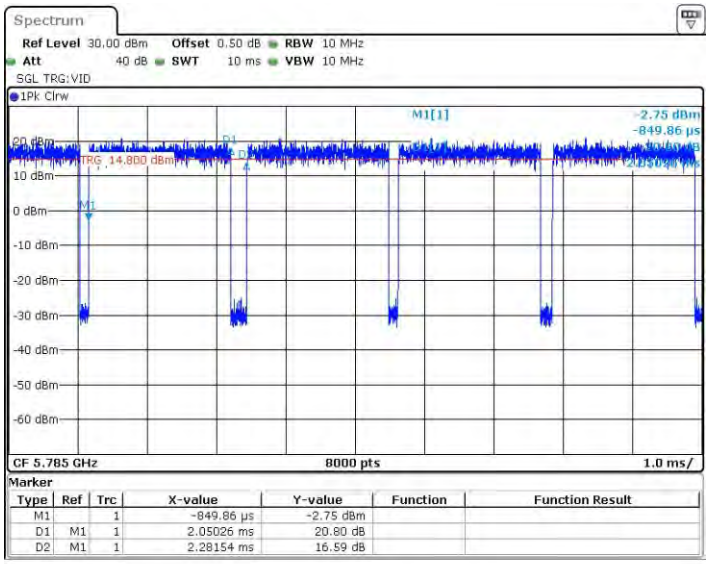


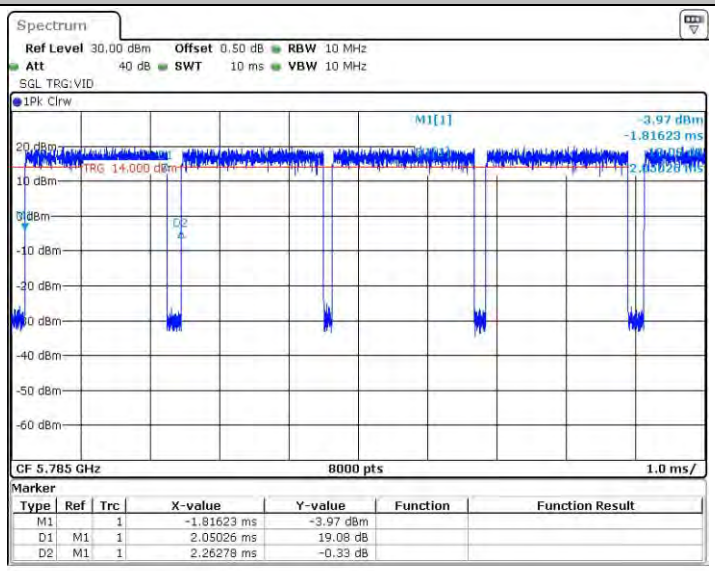
11A_Ant1_5745



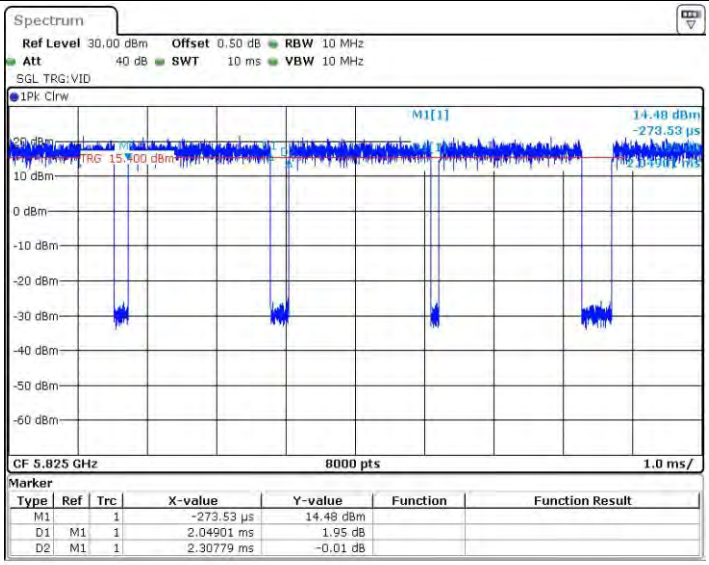
11A_Ant2_5745



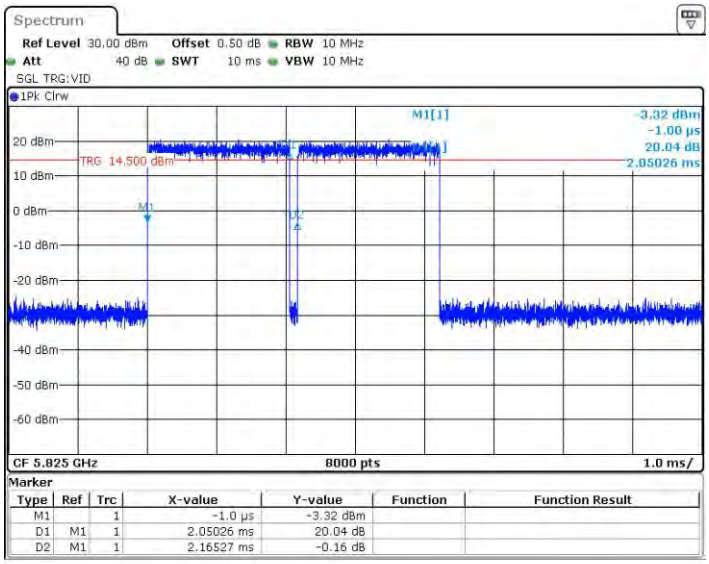
11A_Ant1_5785



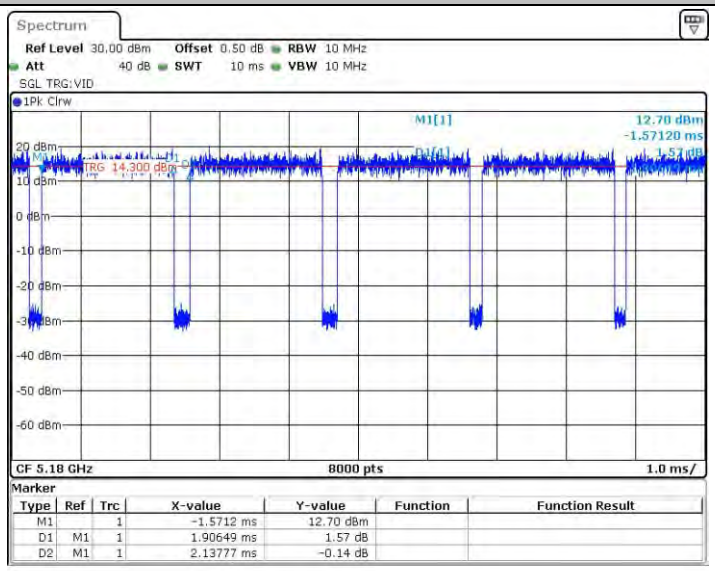
11A_Ant2_5785



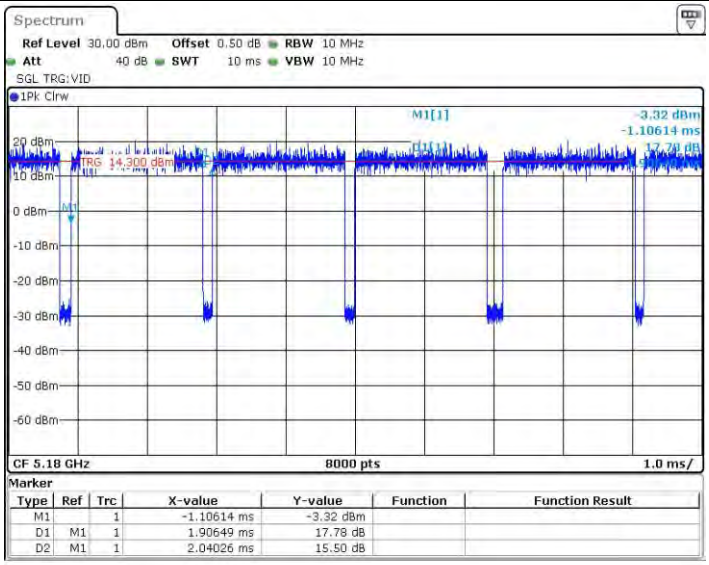
11A_Ant1_5825



11A_Ant2_5825



11N20SISO_Ant1_5180



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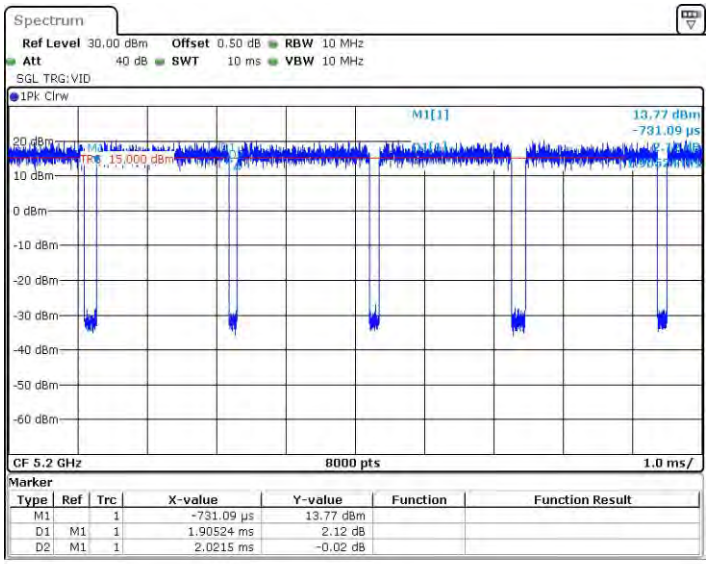
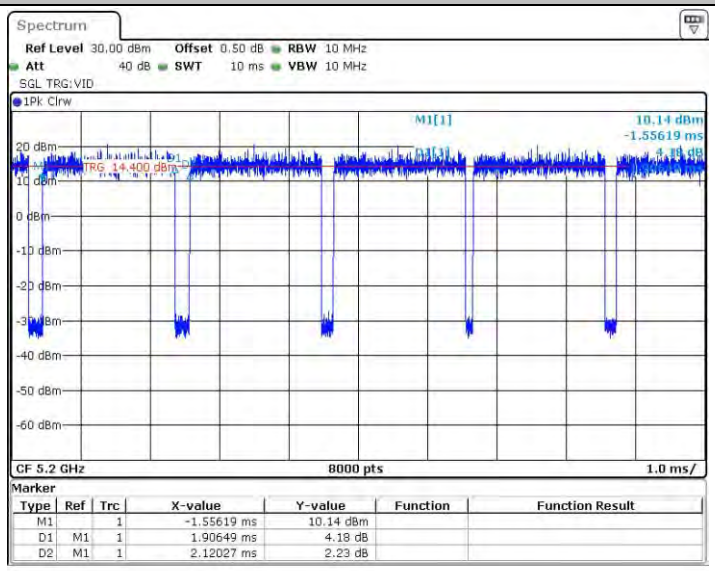


11N20SISO_Ant1_5200



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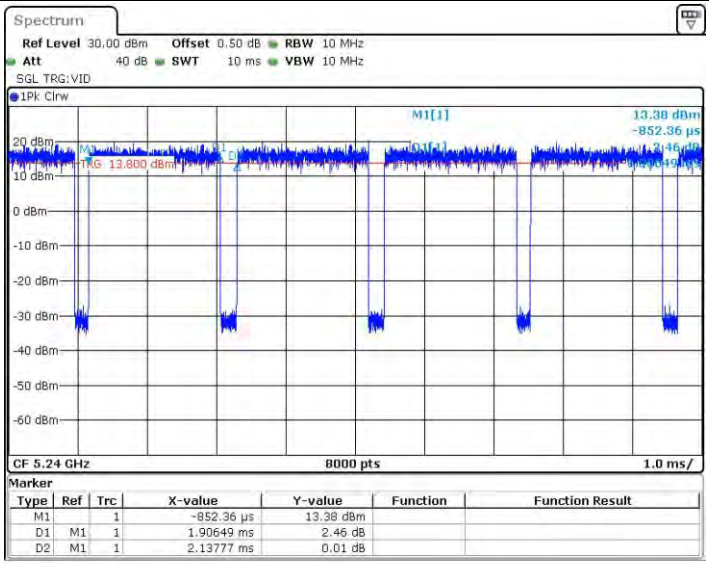
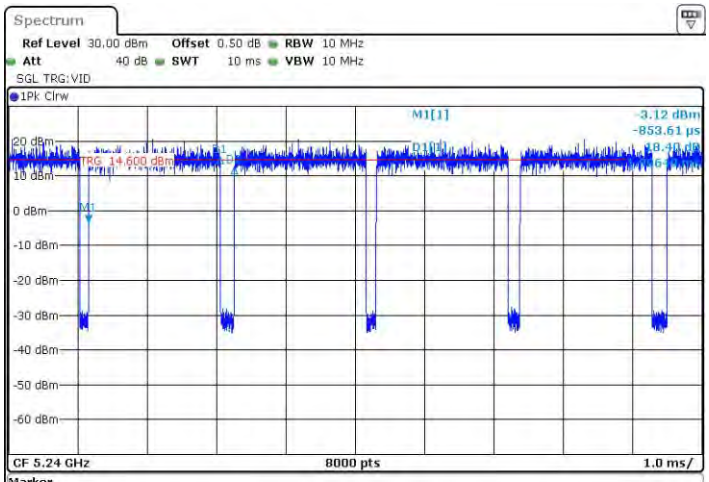


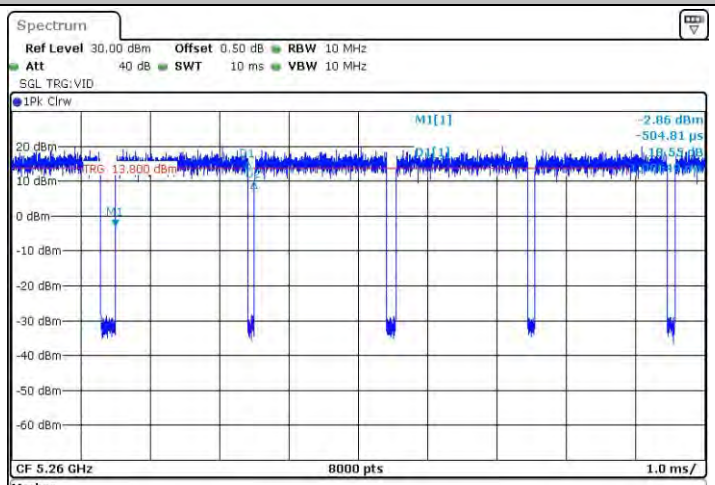
11N20SISO_Ant1_5240



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-853.61 µs	-3.12 dBm		
D1	M1	1	1.90649 ms	18.40 dB		
D2	M1	1	2.10276 ms	15.57 dB		

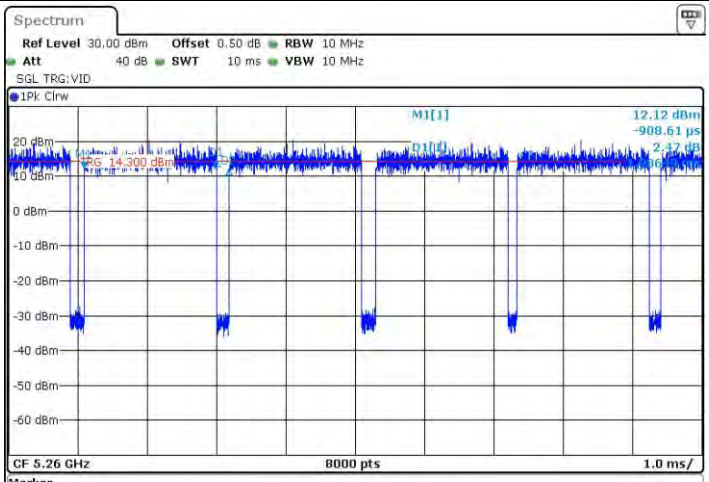
11N20SISO_Ant2_5240



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-504.81 µs	-2.86 dBm		
D1	M1	1	1.90649 ms	18.55 dB		
D2	M1	1	2.004 ms	12.59 dB		

11N20SISO_Ant1_5260



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-908.61 µs	12.12 dBm		
D1	M1	1	1.90649 ms	2.47 dB		
D2	M1	1	2.08401 ms	-0.04 dB		

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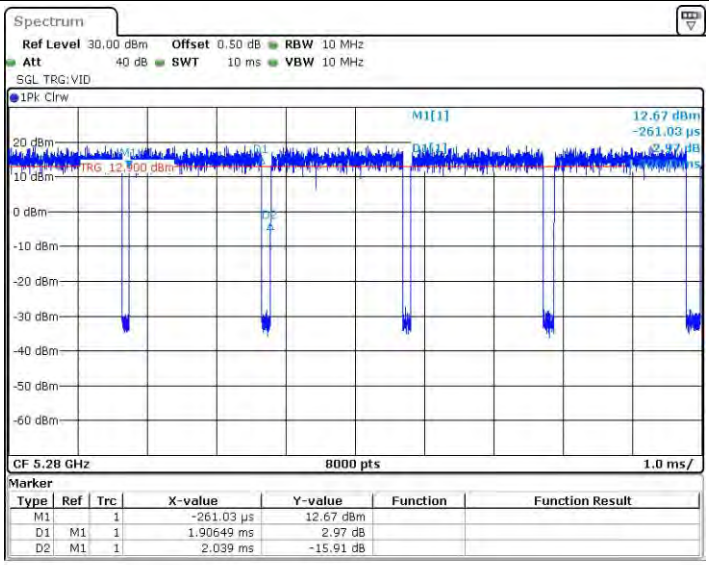

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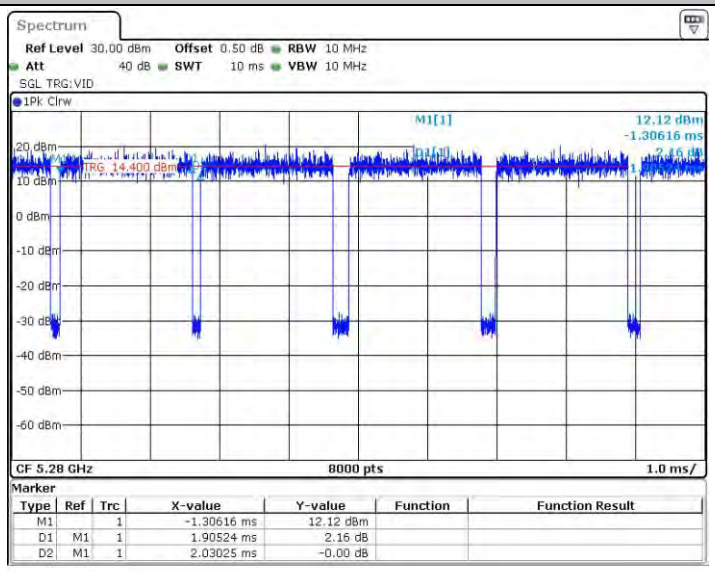

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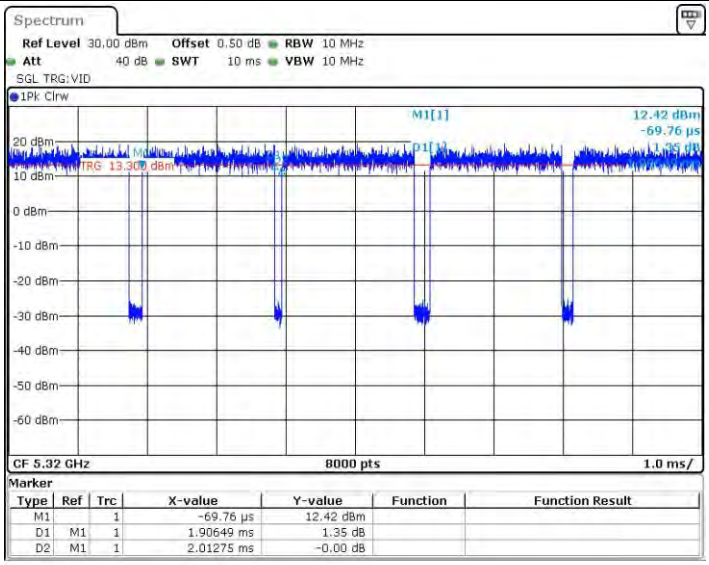

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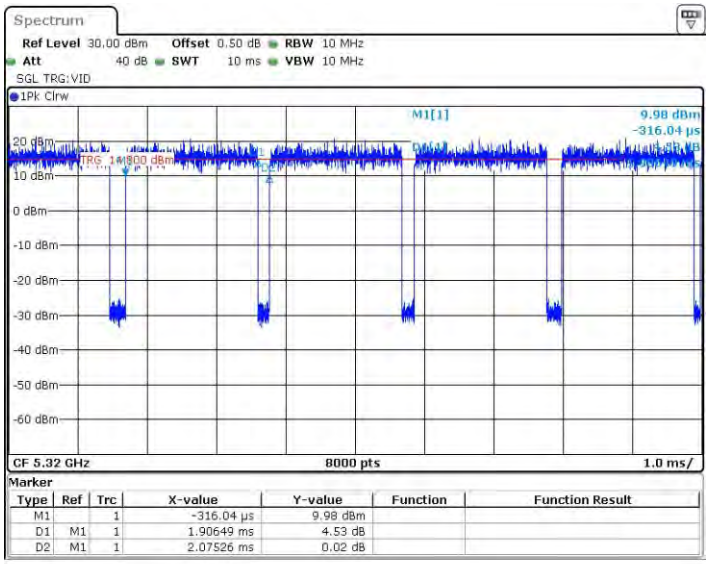

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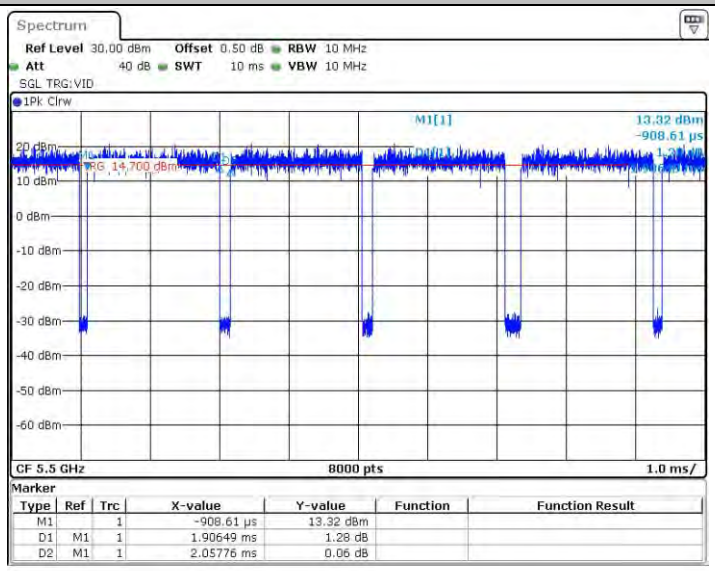

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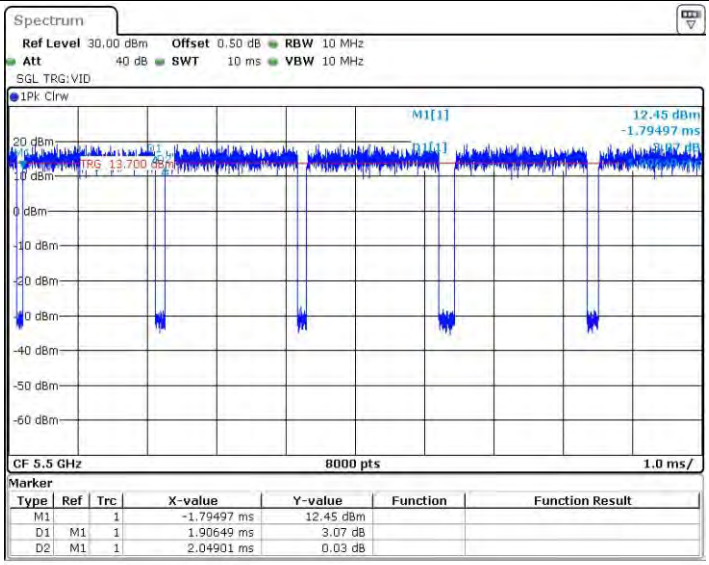

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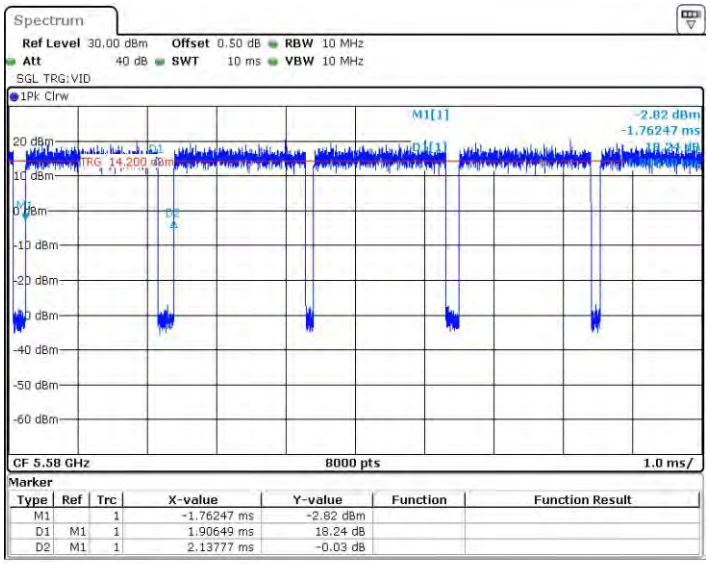

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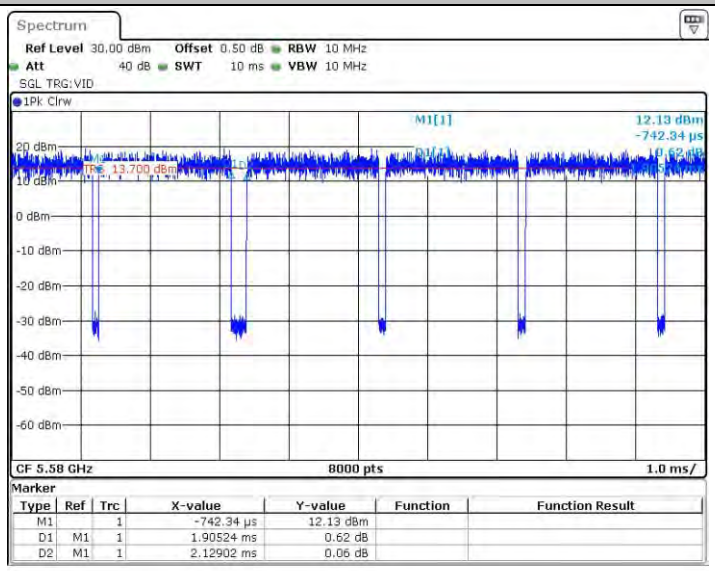

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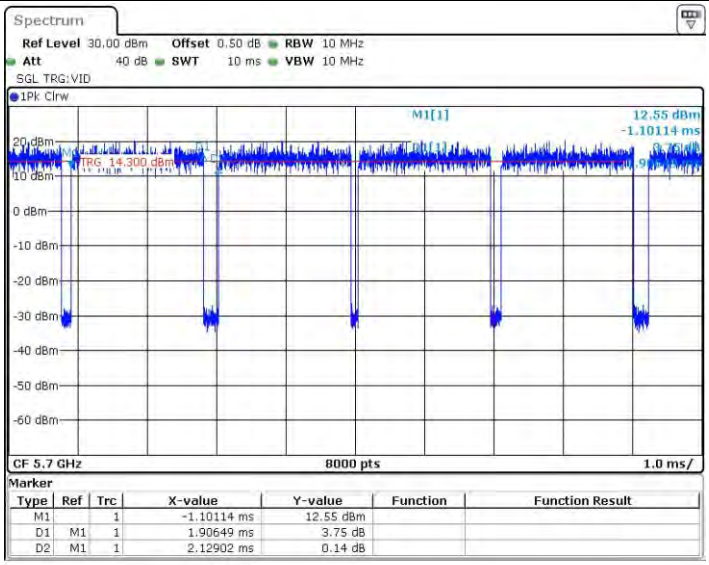

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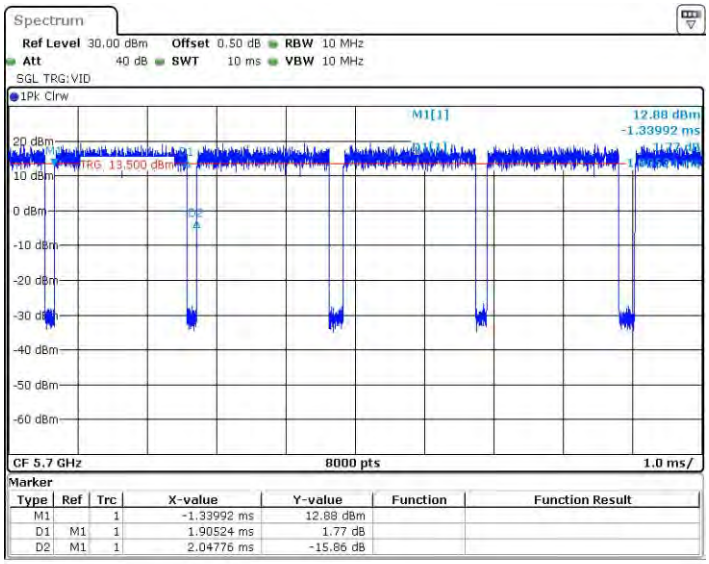

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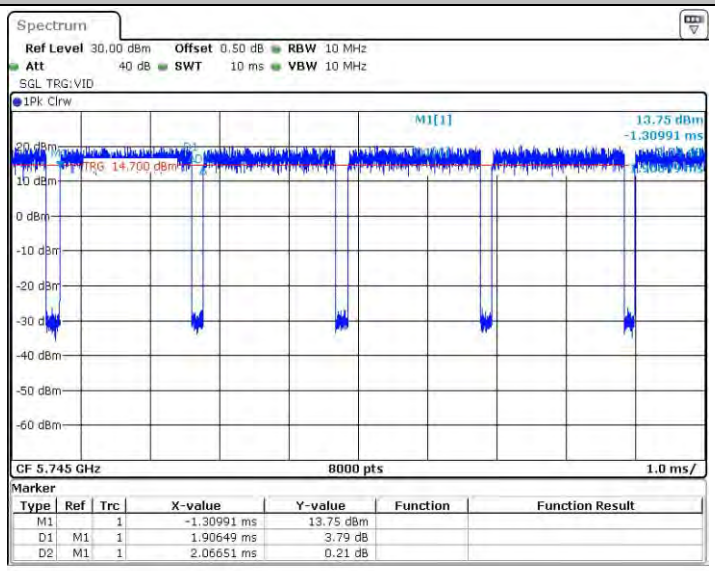

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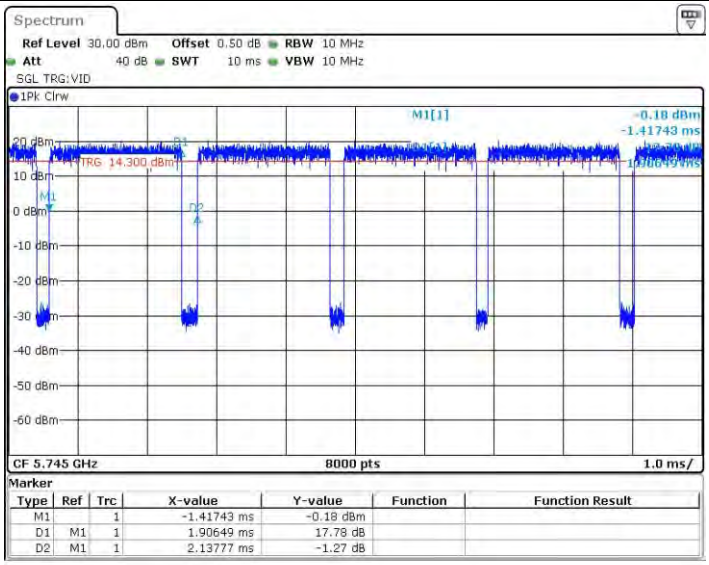

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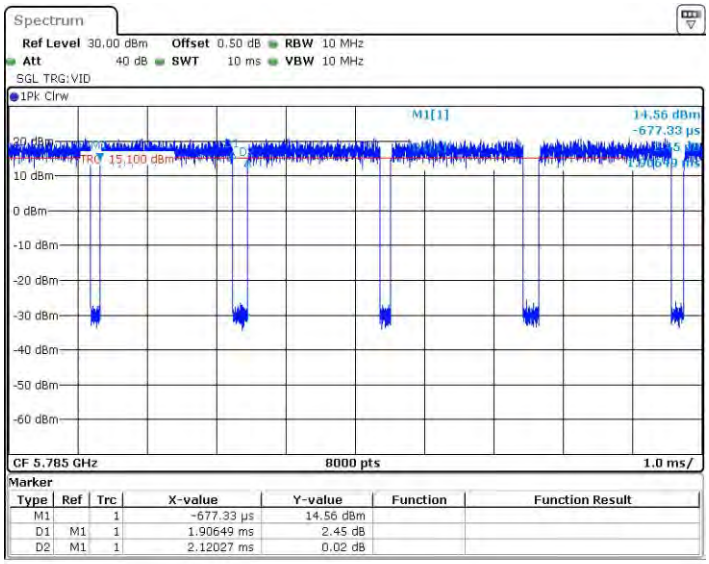

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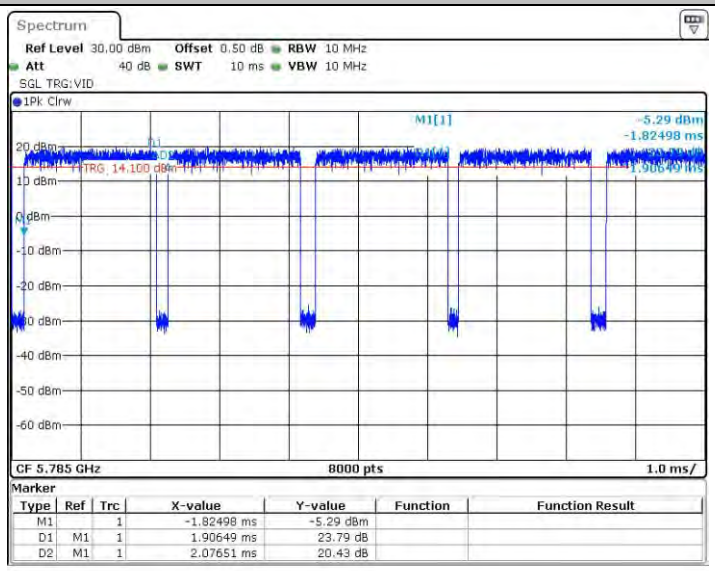

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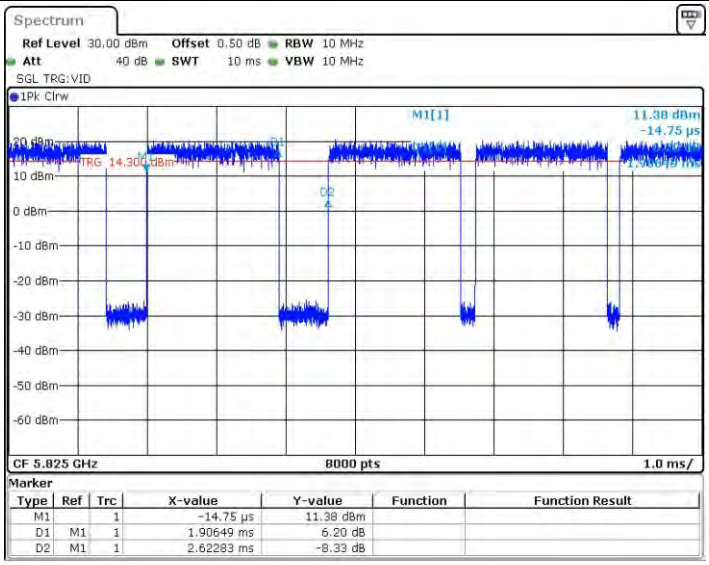

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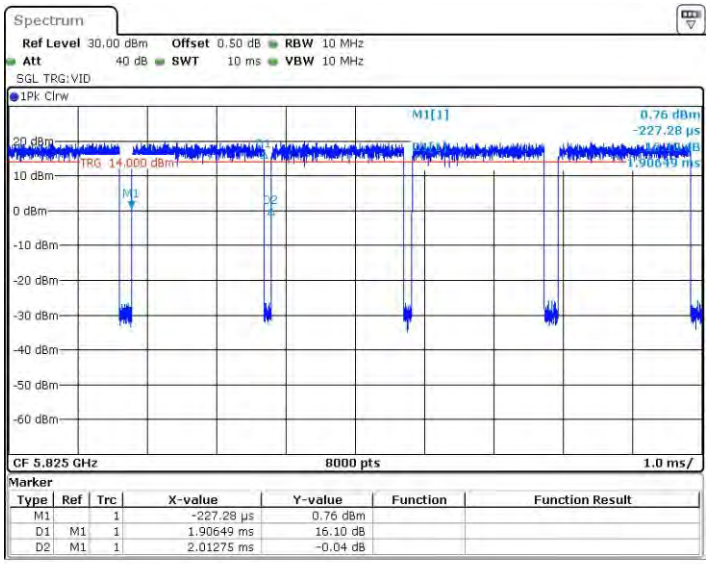
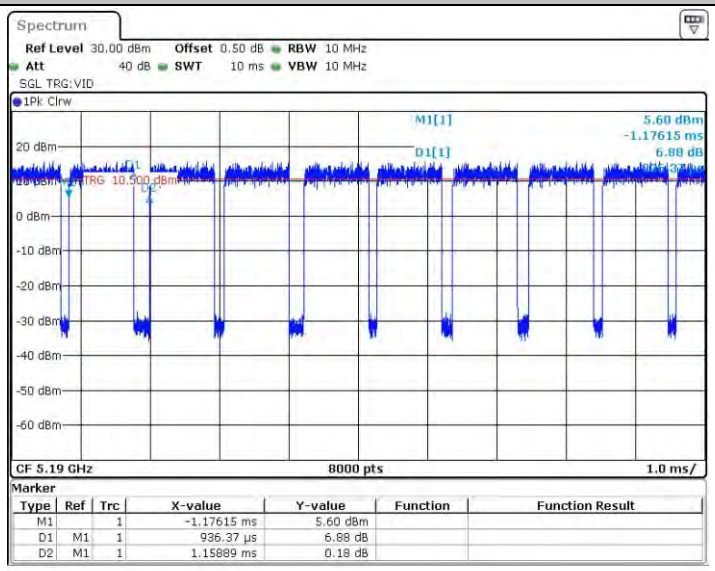
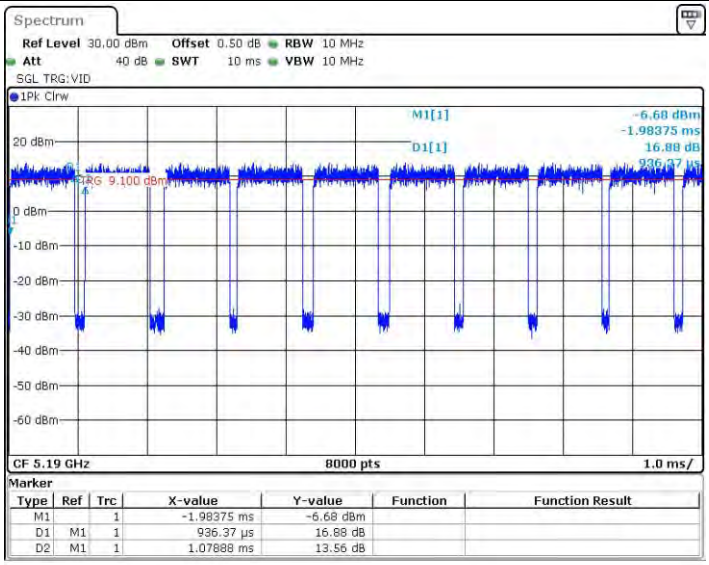


11N20SISO_Ant2_5825



11N40SISO_Ant1_5190



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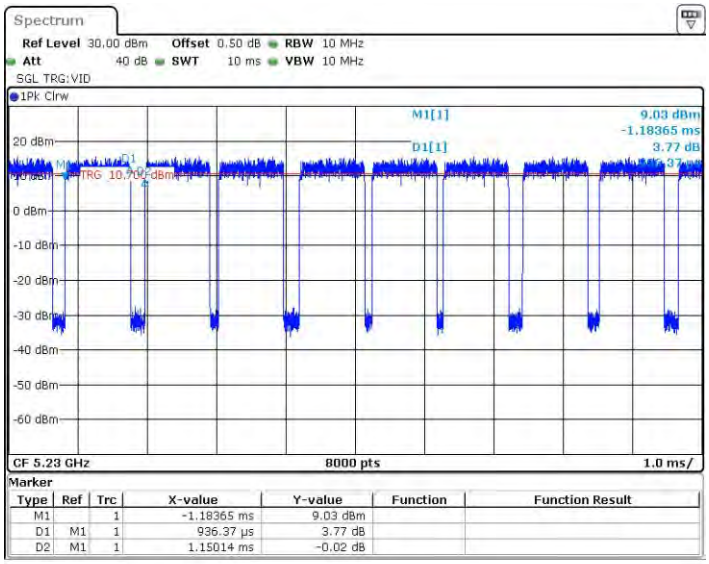

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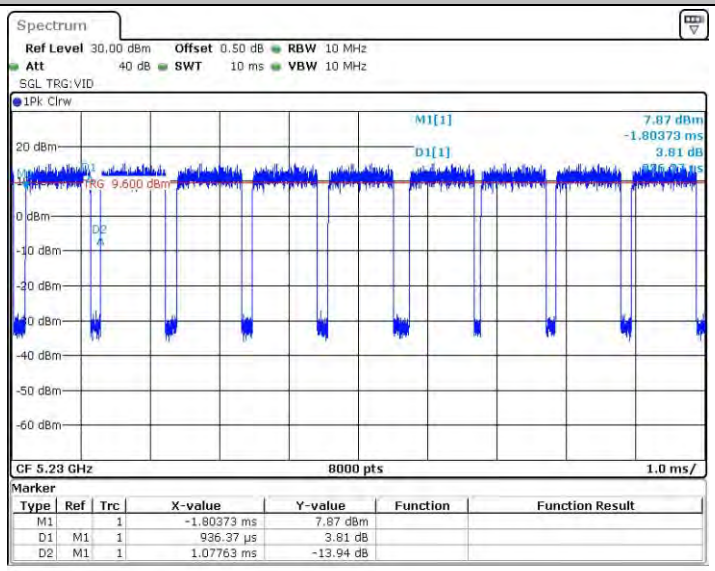

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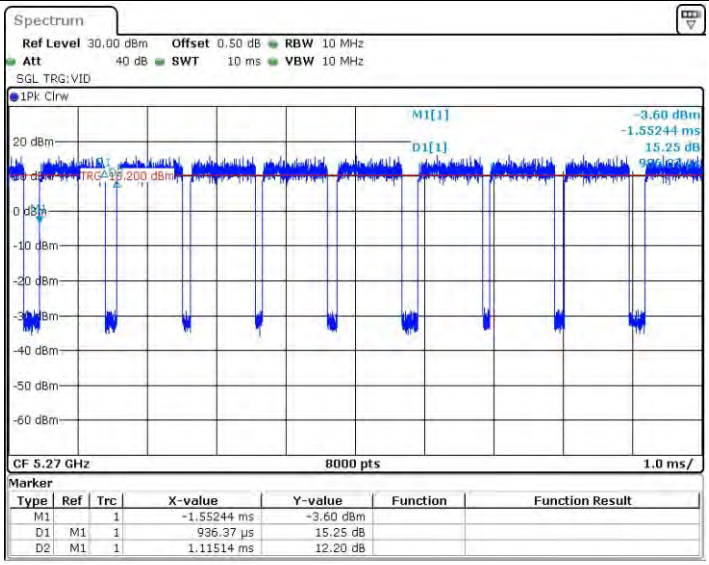

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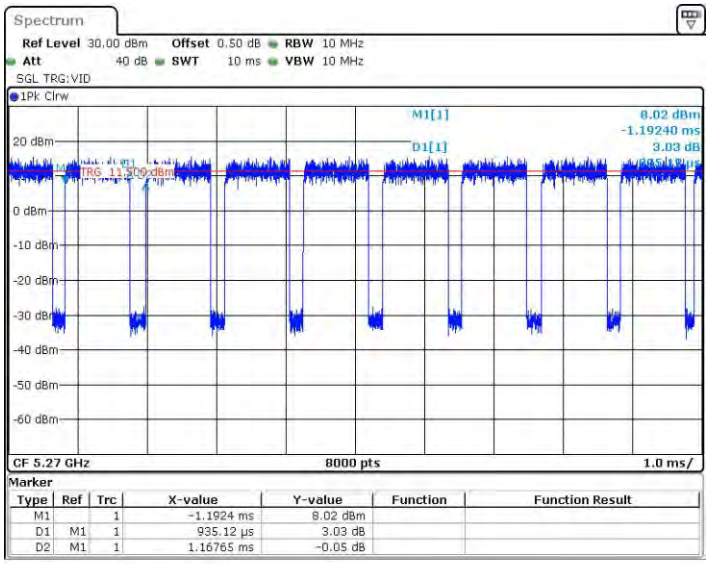
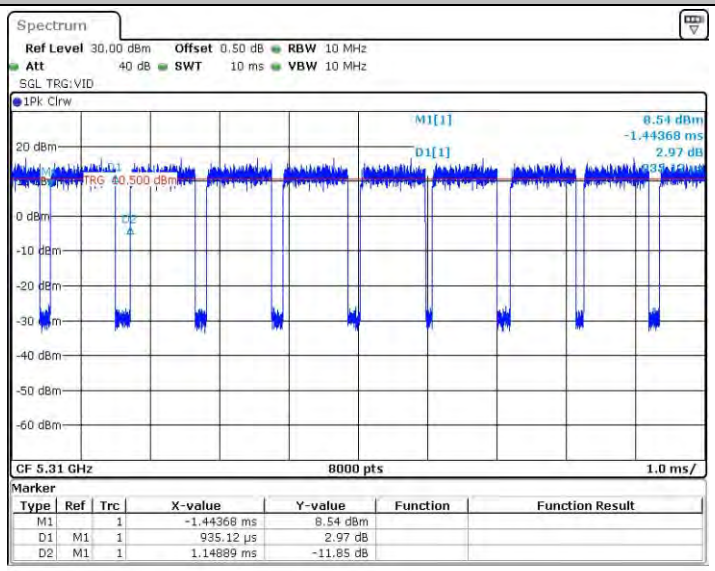


11N40SISO_Ant2_5270



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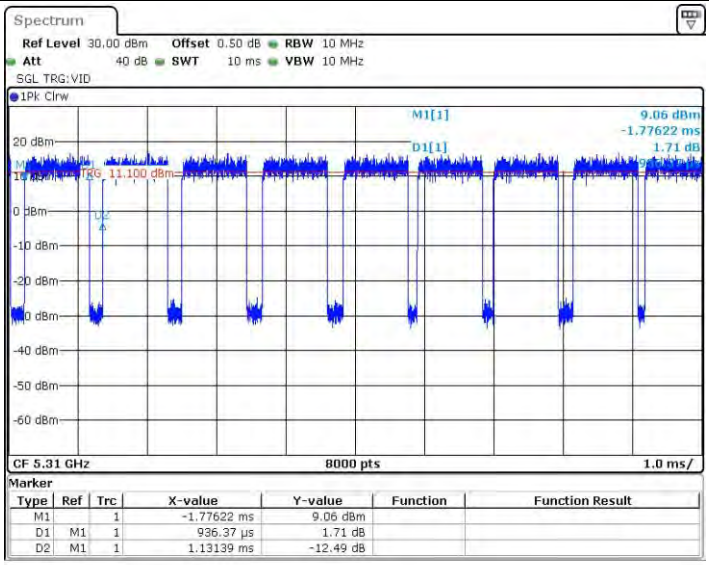

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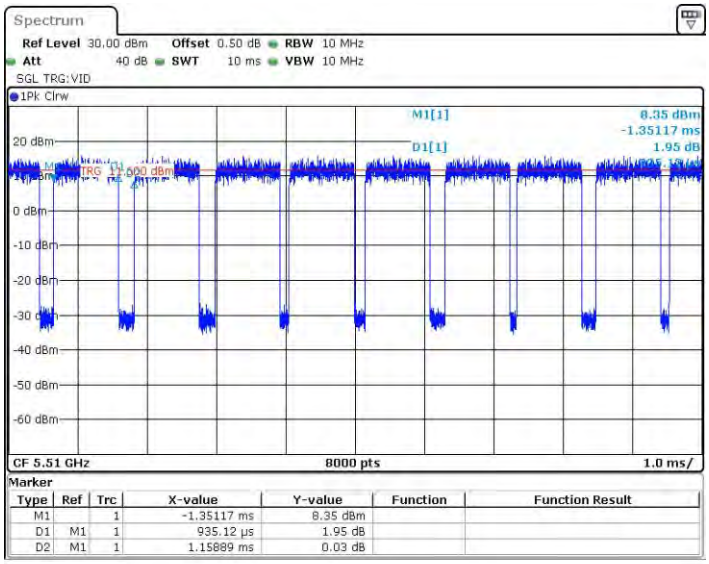

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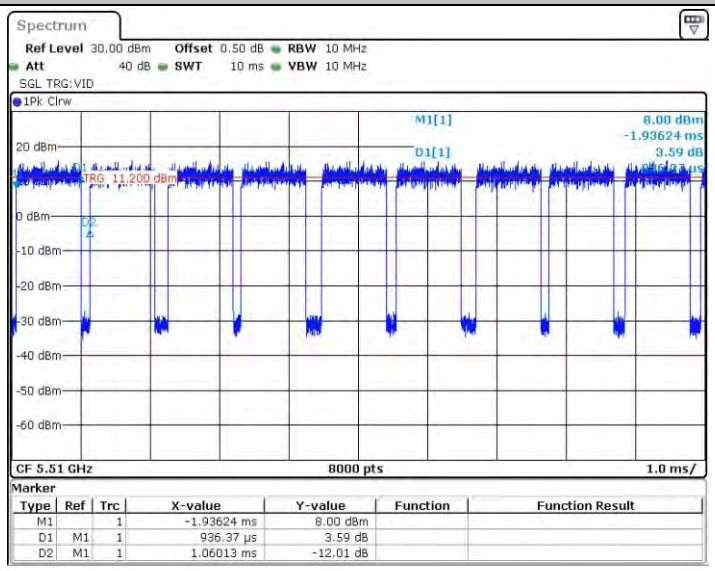

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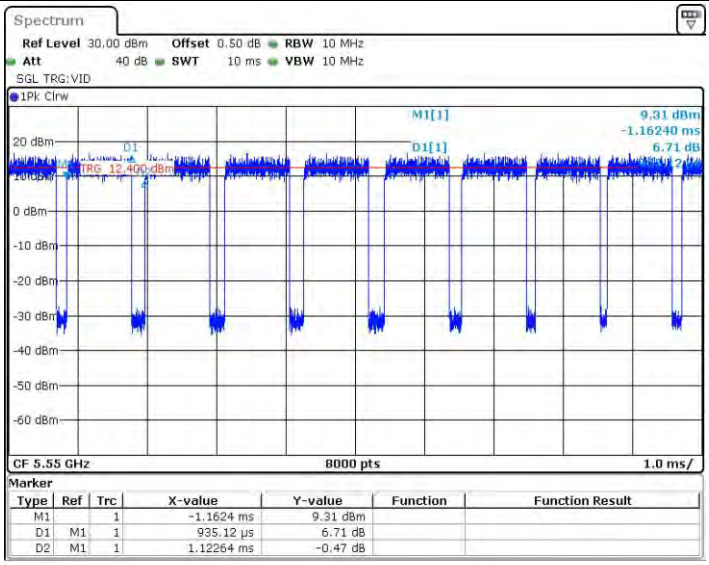

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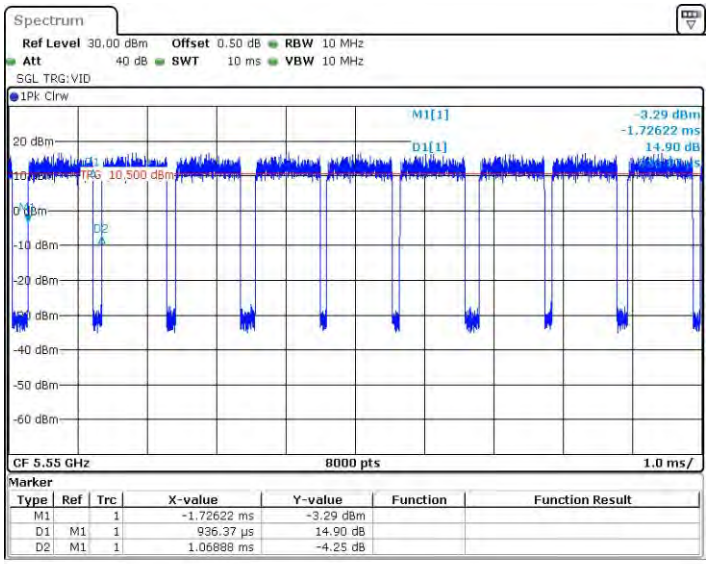

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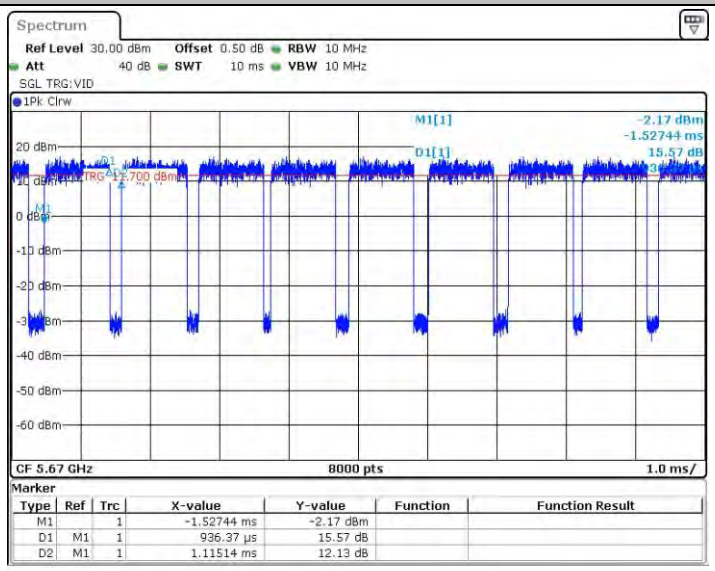
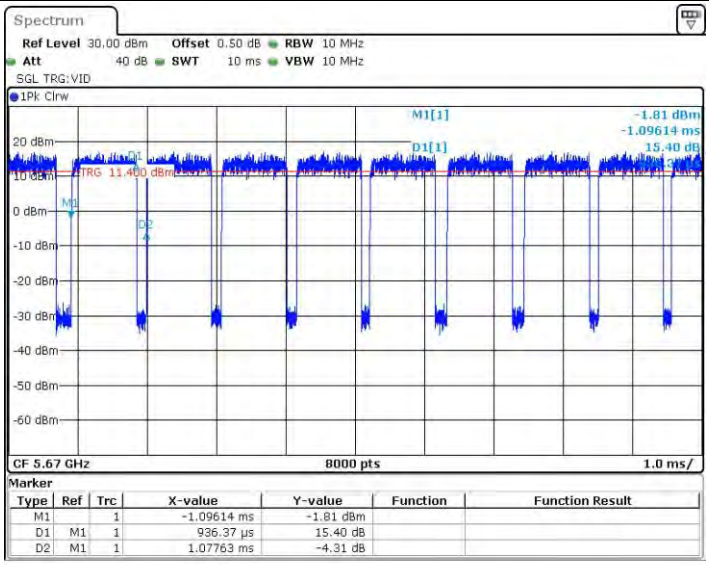


11N40SISO_Ant1_5670



11N40SISO_Ant2_5670