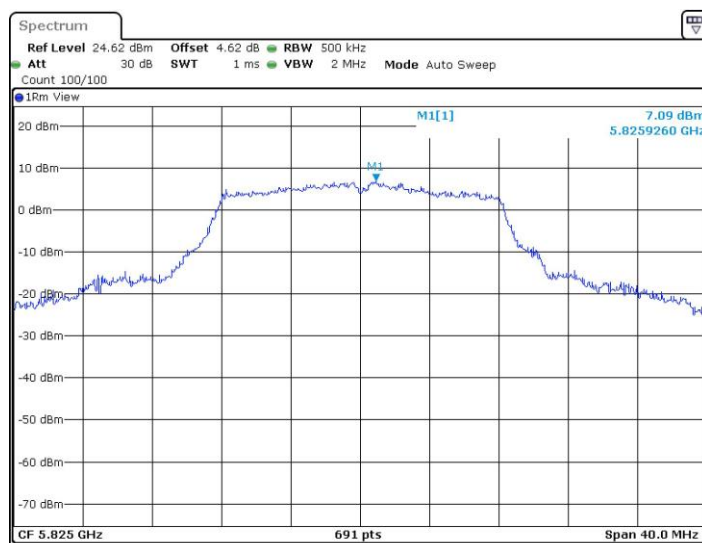
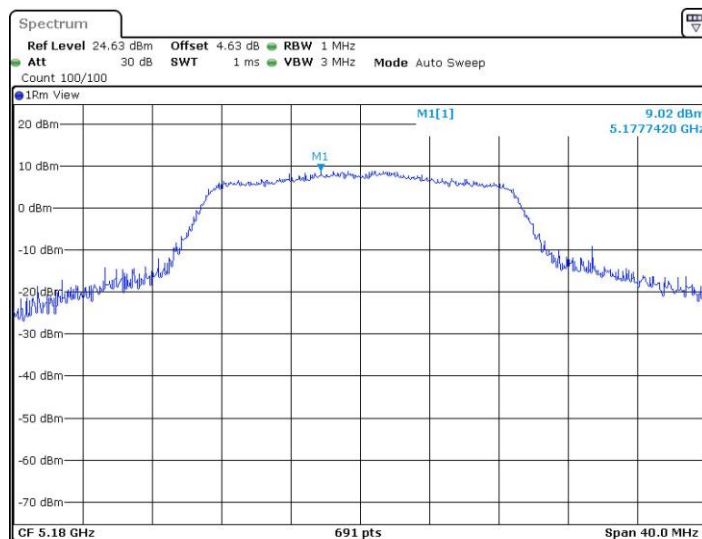


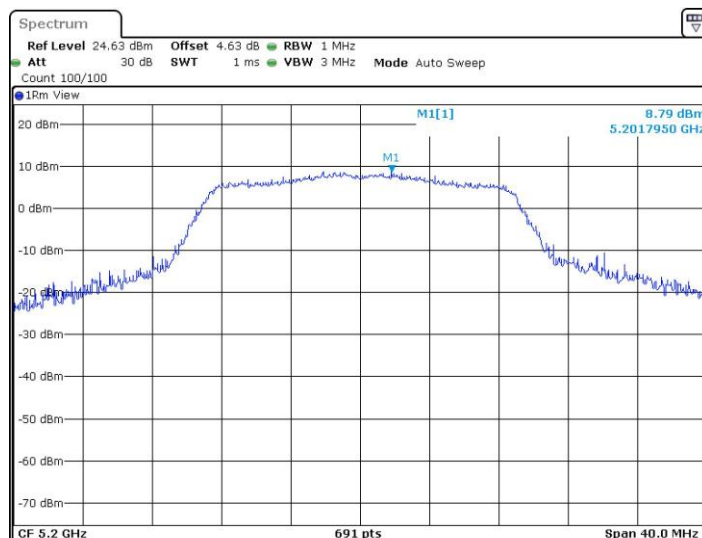
11A_Ant1_5785



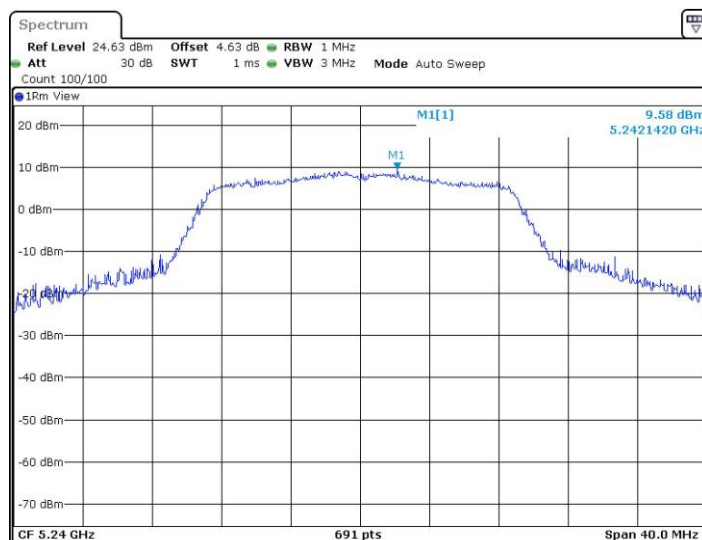
11A_Ant1_5825



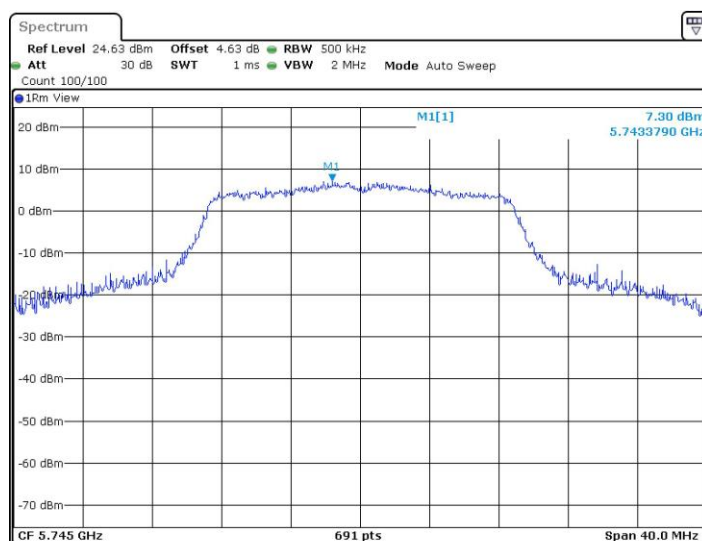
11N20SISO_Ant1_5180



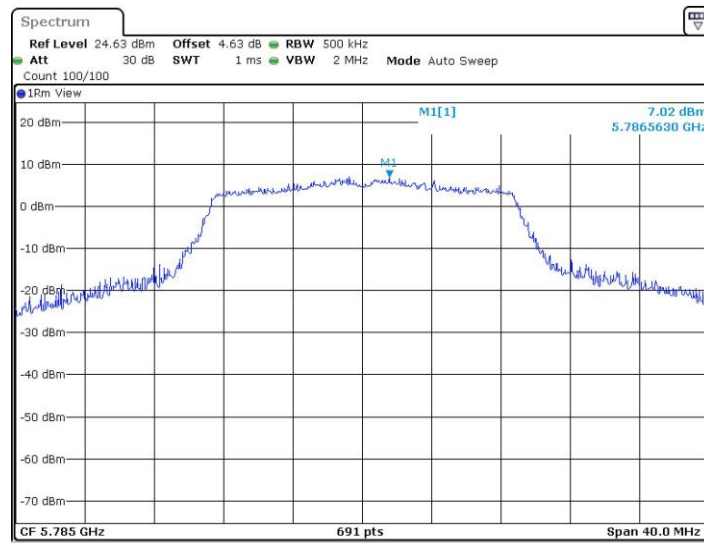
11N20SISO_Ant1_5200



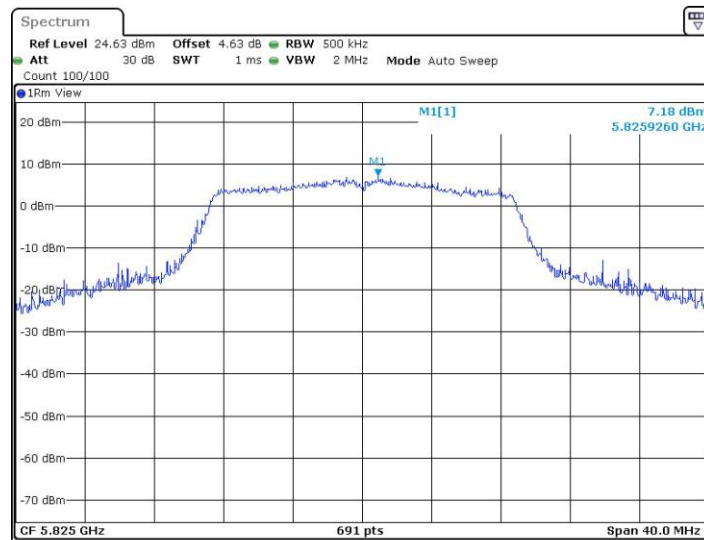
11N20SISO_Ant1_5240



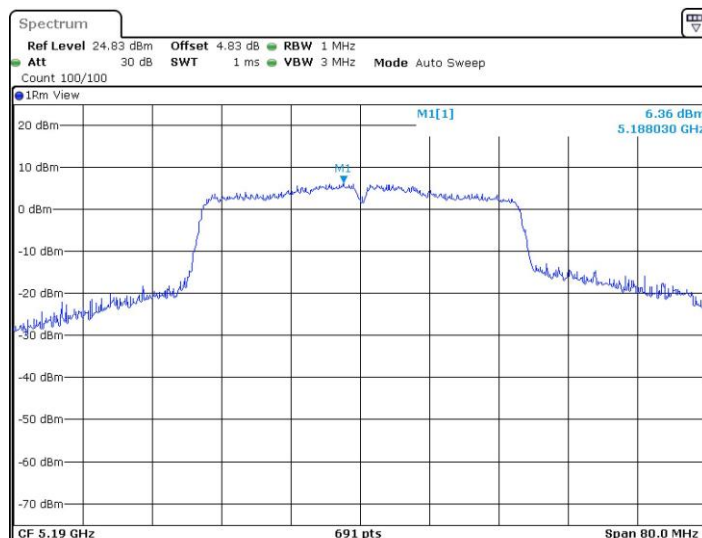
11N20SISO_Ant1_5745



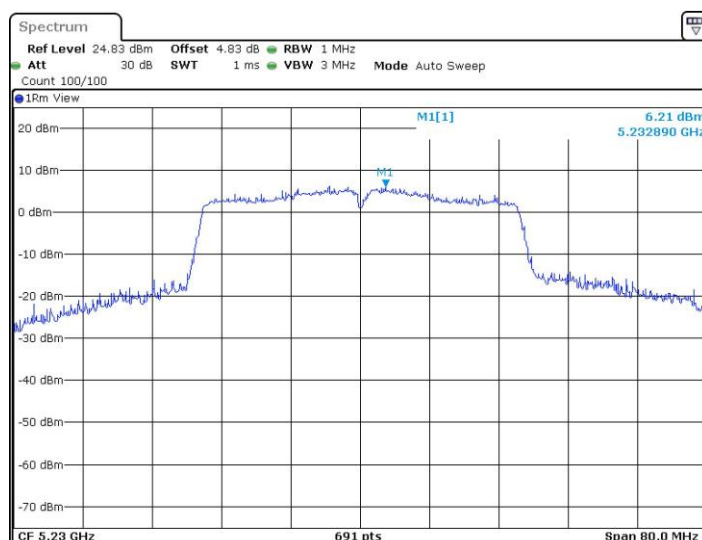
11N20SISO_Ant1_5785



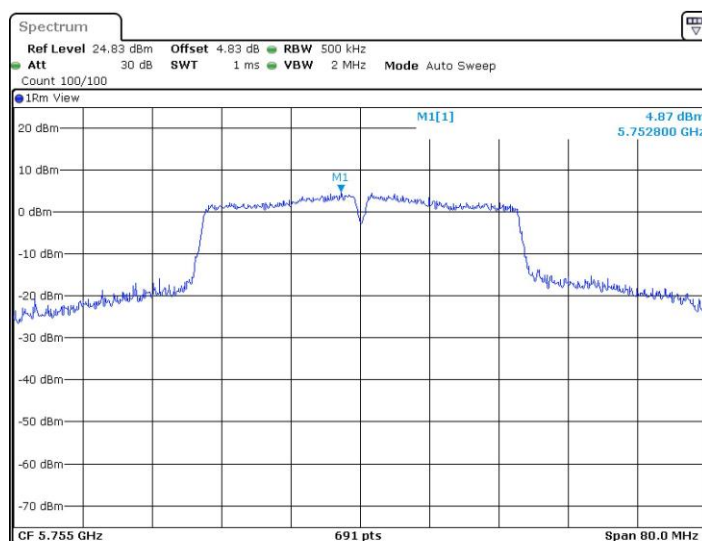
11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



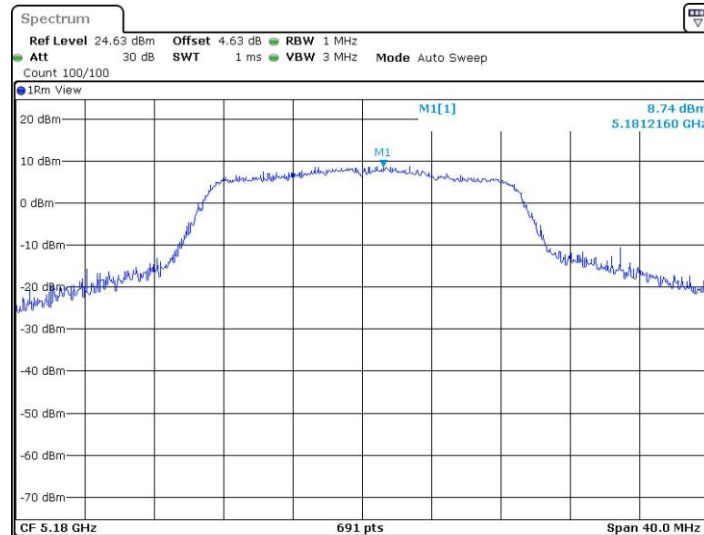
11N40SISO_Ant1_5230



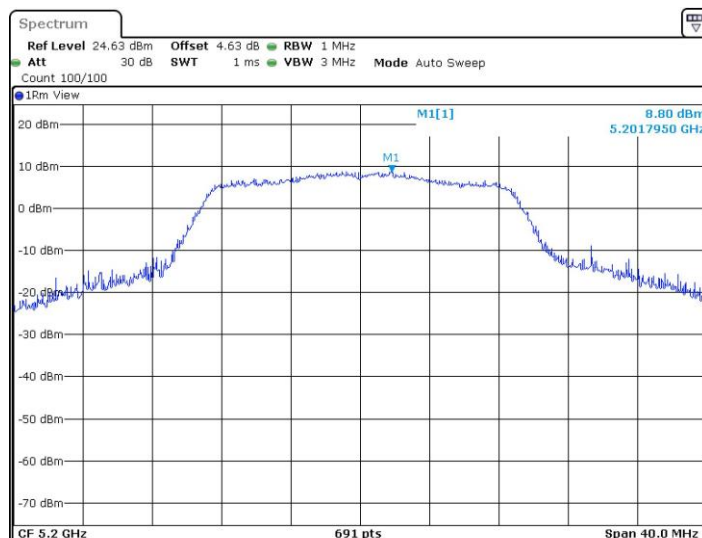
11N40SISO_Ant1_5755



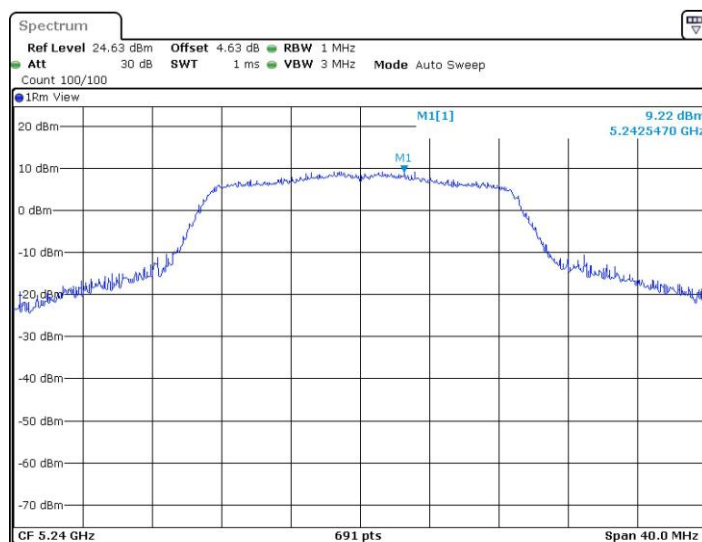
11N40SISO_Ant1_5795



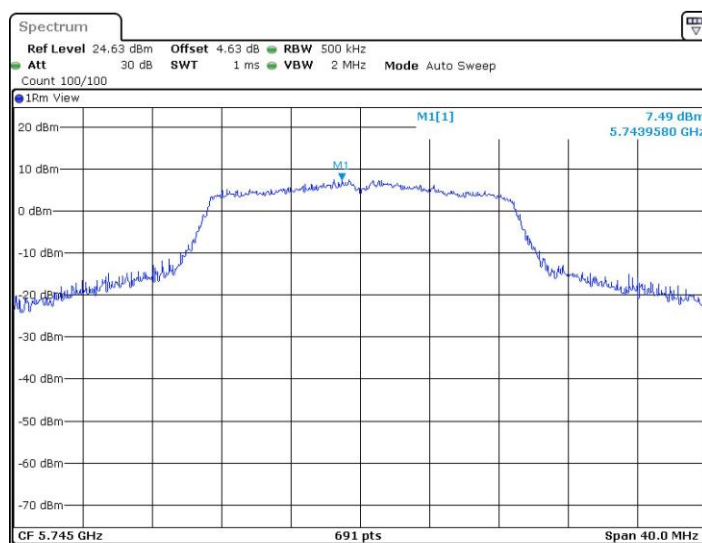
11AC20SISO_Ant1_5180



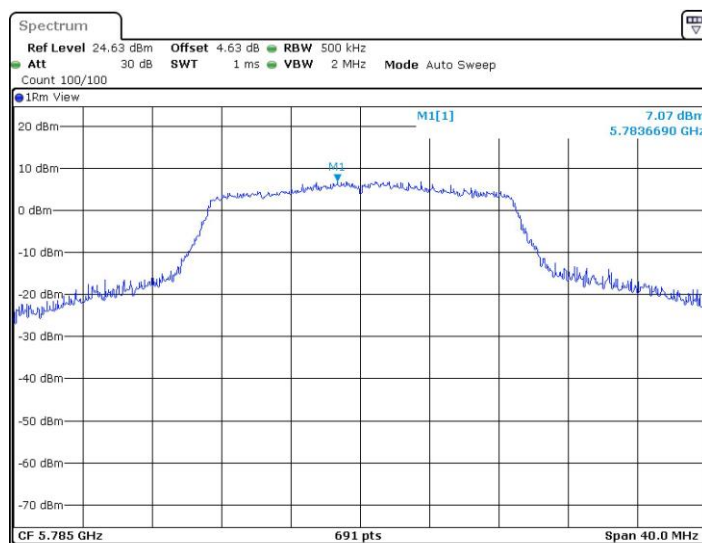
11AC20SISO_Ant1_5200



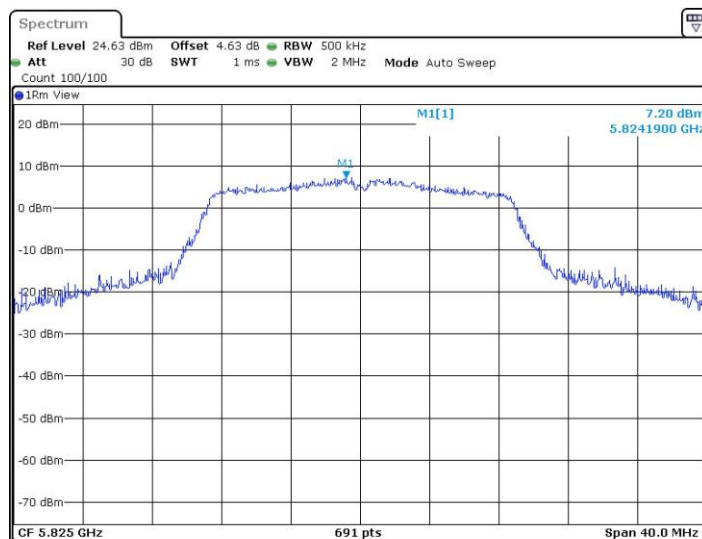
11AC20SISO_Ant1_5240



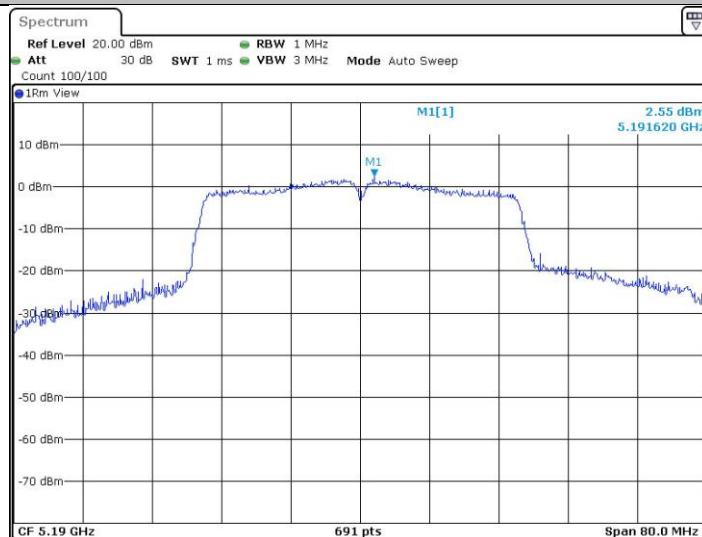
11AC20SISO_Ant1_5745



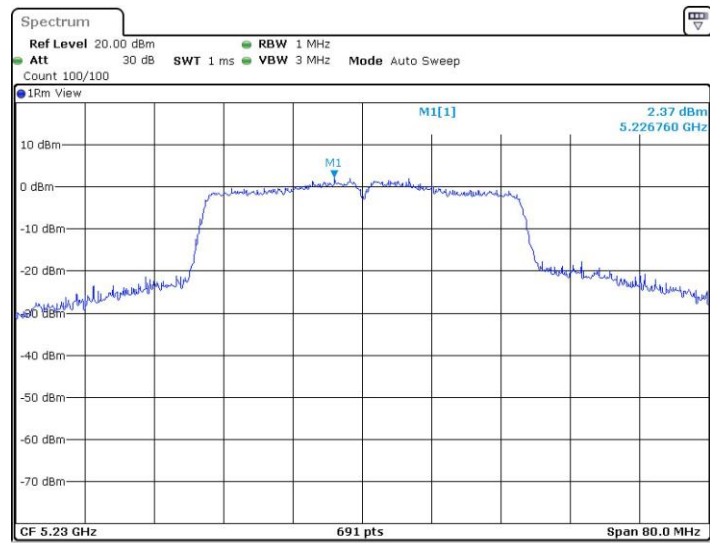
11AC20SISO_Ant1_5785



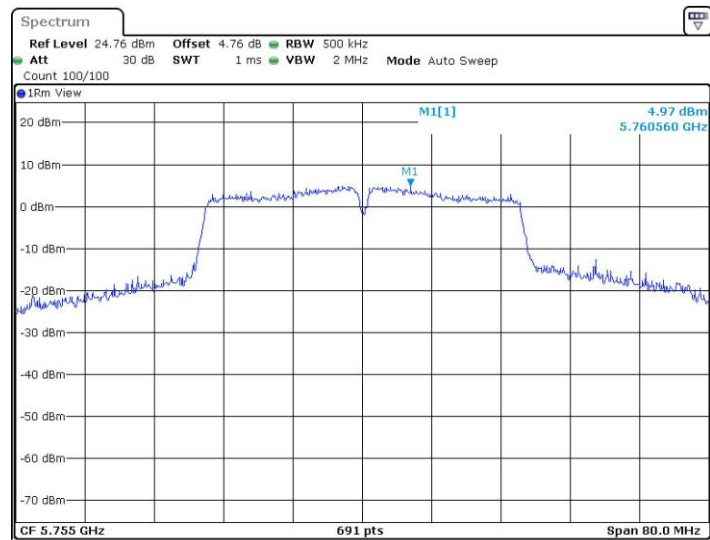
11AC20SISO_Ant1_5825



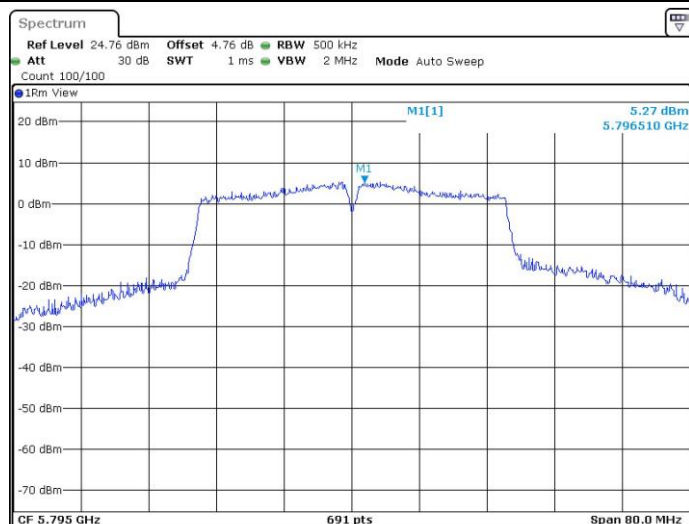
11AC40SISO_Ant1_5190



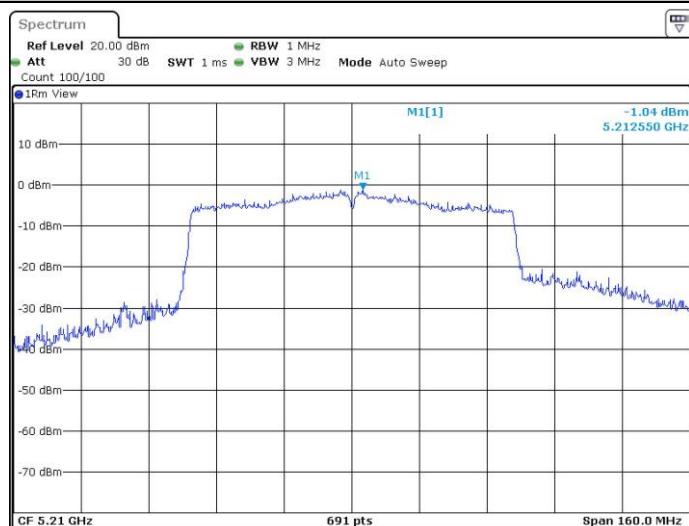
11AC40SISO_Ant1_5230



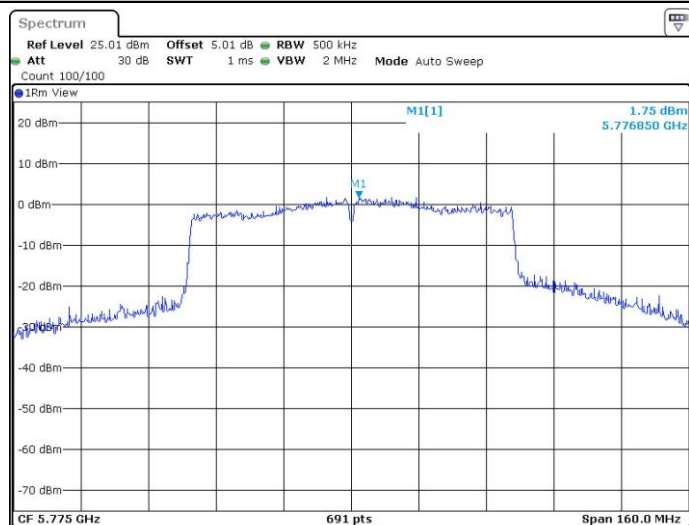
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

Appendix D: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	45000	8.687259	20	PASS
			LV	NT	60000	11.583012	20	PASS
			HV	NT	30000	5.791506	20	PASS
		5200	NV	NT	45000	8.653846	20	PASS
			LV	NT	45000	8.653846	20	PASS
			HV	NT	45000	8.653846	20	PASS
		5240	NV	NT	75000	14.312977	20	PASS
			LV	NT	30000	5.725191	20	PASS
			HV	NT	45000	8.587786	20	PASS
		5745	NV	NT	45000	7.832898	20	PASS
			LV	NT	45000	7.832898	20	PASS
			HV	NT	60000	10.443864	20	PASS
		5785	NV	NT	60000	10.371651	20	PASS
			LV	NT	60000	10.371651	20	PASS
			HV	NT	60000	10.371651	20	PASS
11N20SI SO	Ant1	5180	NV	NT	45000	8.687259	20	PASS
			LV	NT	45000	8.687259	20	PASS
			HV	NT	45000	8.687259	20	PASS
		5200	NV	NT	60000	11.538462	20	PASS
			LV	NT	45000	8.653846	20	PASS
			HV	NT	45000	8.653846	20	PASS
		5240	NV	NT	45000	8.587786	20	PASS
			LV	NT	45000	8.587786	20	PASS
			HV	NT	45000	8.587786	20	PASS
		5745	NV	NT	45000	7.832898	20	PASS
			LV	NT	60000	10.443864	20	PASS
			HV	NT	60000	10.443864	20	PASS
		5785	NV	NT	60000	10.371651	20	PASS
			LV	NT	45000	7.778738	20	PASS
			HV	NT	60000	10.371651	20	PASS
11N40SI	Ant1	5190	NV	NT	60000	11.560694	20	PASS

SO			LV	NT	60000	11.560694	20	PASS
			HV	NT	30000	5.780347	20	PASS
		5230	NV	NT	30000	5.736138	20	PASS
			LV	NT	30000	5.736138	20	PASS
			HV	NT	30000	5.736138	20	PASS
		5755	NV	NT	60000	10.425717	20	PASS
			LV	NT	30000	5.212858	20	PASS
			HV	NT	30000	5.212858	20	PASS
		5795	NV	NT	90000	15.53063	20	PASS
			LV	NT	30000	5.176877	20	PASS
			HV	NT	30000	5.176877	20	PASS
11AC20S ISO	Ant1	5180	NV	NT	60000	11.583012	20	PASS
			LV	NT	30000	5.791506	20	PASS
			HV	NT	45000	8.687259	20	PASS
		5200	NV	NT	30000	5.769231	20	PASS
			LV	NT	60000	11.538462	20	PASS
			HV	NT	45000	8.653846	20	PASS
		5240	NV	NT	45000	8.587786	20	PASS
			LV	NT	45000	8.587786	20	PASS
			HV	NT	60000	11.450382	20	PASS
		5745	NV	NT	60000	10.443864	20	PASS
			LV	NT	45000	7.832898	20	PASS
			HV	NT	45000	7.832898	20	PASS
		5785	NV	NT	60000	10.371651	20	PASS
			LV	NT	60000	10.371651	20	PASS
			HV	NT	60000	10.371651	20	PASS
		5825	NV	NT	45000	7.725322	20	PASS
			LV	NT	45000	7.725322	20	PASS
			HV	NT	45000	7.725322	20	PASS
11AC40S ISO	Ant1	5190	NV	NT	60000	11.560694	20	PASS
			LV	NT	30000	5.780347	20	PASS
			HV	NT	60000	11.560694	20	PASS
		5230	NV	NT	30000	5.736138	20	PASS
			LV	NT	30000	5.736138	20	PASS
			HV	NT	30000	5.736138	20	PASS
		5755	NV	NT	90000	15.638575	20	PASS
			LV	NT	60000	10.425717	20	PASS
			HV	NT	60000	10.425717	20	PASS
		5795	NV	NT	90000	15.53063	20	PASS
			LV	NT	30000	5.176877	20	PASS
			HV	NT	30000	5.176877	20	PASS
11AC80S ISO	Ant1	5210	NV	NT	0	0	20	PASS
			LV	NT	70000	13.435701	20	PASS

			HV	NT	70000	13.435701	20	PASS
		5775	NV	NT	70000	12.121212	20	PASS
			LV	NT	140000	24.242424	20	FAIL
			HV	NT	70000	12.121212	20	PASS

Temperature								
TestMod e	Antenn a	Channe l	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	45000	8.687259	20	PASS
			NV	-20	45000	8.687259	20	PASS
			NV	-10	45000	8.687259	20	PASS
			NV	0	45000	8.687259	20	PASS
			NV	10	60000	11.583012	20	PASS
			NV	20	45000	8.687259	20	PASS
			NV	30	60000	11.583012	20	PASS
			NV	40	60000	11.583012	20	PASS
			NV	50	45000	8.687259	20	PASS
		5200	NV	-30	45000	8.653846	20	PASS
			NV	-20	45000	8.653846	20	PASS
			NV	-10	45000	8.653846	20	PASS
			NV	0	60000	11.538462	20	PASS
			NV	10	45000	8.653846	20	PASS
			NV	20	45000	8.653846	20	PASS
			NV	30	60000	11.538462	20	PASS
			NV	40	45000	8.653846	20	PASS
			NV	50	45000	8.653846	20	PASS
		5240	NV	-30	45000	8.587786	20	PASS
			NV	-20	45000	8.587786	20	PASS
			NV	-10	45000	8.587786	20	PASS
			NV	0	45000	8.587786	20	PASS
			NV	10	45000	8.587786	20	PASS
			NV	20	45000	8.587786	20	PASS
			NV	30	45000	8.587786	20	PASS
			NV	40	45000	8.587786	20	PASS
			NV	50	45000	8.587786	20	PASS
			NV	40	60000	11.406844	20	PASS
			NV	50	60000	11.406844	20	PASS
			NV	20	45000	8.522727	20	PASS
			NV	30	60000	11.363636	20	PASS
			NV	40	60000	11.363636	20	PASS
			NV	50	45000	8.522727	20	PASS
		5745	NV	-30	45000	7.832898	20	PASS
			NV	-20	75000	13.05483	20	PASS

			NV	-10	45000	7.832898	20	PASS		
			NV	0	60000	10.443864	20	PASS		
			NV	10	45000	7.832898	20	PASS		
			NV	20	60000	10.443864	20	PASS		
			NV	30	60000	10.443864	20	PASS		
			NV	40	45000	7.832898	20	PASS		
			NV	50	45000	7.832898	20	PASS		
		5785	NV	-30	60000	10.371651	20	PASS		
			NV	-20	60000	10.371651	20	PASS		
			NV	-10	60000	10.371651	20	PASS		
			NV	0	75000	12.964564	20	PASS		
			NV	10	75000	12.964564	20	PASS		
			NV	20	60000	10.371651	20	PASS		
			NV	30	60000	10.371651	20	PASS		
			NV	40	75000	12.964564	20	PASS		
			NV	50	60000	10.371651	20	PASS		
		5825	NV	-30	45000	7.725322	20	PASS		
			NV	-20	45000	7.725322	20	PASS		
			NV	-10	60000	10.300429	20	PASS		
			NV	0	45000	7.725322	20	PASS		
			NV	10	45000	7.725322	20	PASS		
			NV	20	45000	7.725322	20	PASS		
			NV	30	45000	7.725322	20	PASS		
			NV	40	60000	10.300429	20	PASS		
			NV	50	60000	10.300429	20	PASS		
		11N20SI SO	Ant1	5180	NV	-30	45000	8.687259	20	PASS
					NV	-20	45000	8.687259	20	PASS
NV	-10				45000	8.687259	20	PASS		
NV	0				45000	8.687259	20	PASS		
NV	10				45000	8.687259	20	PASS		
NV	20				45000	8.687259	20	PASS		
NV	30				45000	8.687259	20	PASS		
NV	40				60000	11.583012	20	PASS		
NV	50				60000	11.583012	20	PASS		
5200	NV			-30	45000	8.653846	20	PASS		
	NV			-20	45000	8.653846	20	PASS		
	NV			-10	45000	8.653846	20	PASS		
	NV			0	45000	8.653846	20	PASS		
	NV			10	45000	8.653846	20	PASS		
	NV			20	45000	8.653846	20	PASS		
	NV			30	45000	8.653846	20	PASS		
	NV			40	45000	8.653846	20	PASS		
NV	50	30000	5.769231	20	PASS					

		5240	NV	-30	75000	14.312977	20	PASS
			NV	-20	60000	11.450382	20	PASS
			NV	-10	45000	8.587786	20	PASS
			NV	0	45000	8.587786	20	PASS
			NV	10	45000	8.587786	20	PASS
			NV	20	45000	8.587786	20	PASS
			NV	30	45000	8.587786	20	PASS
			NV	40	60000	11.450382	20	PASS
			NV	50	45000	8.587786	20	PASS
		5745	NV	-30	45000	7.832898	20	PASS
			NV	-20	45000	7.832898	20	PASS
			NV	-10	45000	7.832898	20	PASS
			NV	0	45000	7.832898	20	PASS
			NV	10	45000	7.832898	20	PASS
			NV	20	45000	7.832898	20	PASS
			NV	30	60000	10.443864	20	PASS
			NV	40	45000	7.832898	20	PASS
			NV	50	60000	10.443864	20	PASS
		5785	NV	-30	60000	10.371651	20	PASS
			NV	-20	45000	7.778738	20	PASS
			NV	-10	60000	10.371651	20	PASS
			NV	0	45000	7.778738	20	PASS
			NV	10	60000	10.371651	20	PASS
			NV	20	45000	7.778738	20	PASS
			NV	30	60000	10.371651	20	PASS
			NV	40	60000	10.371651	20	PASS
			NV	50	75000	12.964564	20	PASS
		5825	NV	-30	45000	7.725322	20	PASS
			NV	-20	45000	7.725322	20	PASS
			NV	-10	60000	10.300429	20	PASS
			NV	0	60000	10.300429	20	PASS
			NV	10	60000	10.300429	20	PASS
			NV	20	60000	10.300429	20	PASS
			NV	30	30000	5.150215	20	PASS
			NV	40	60000	10.300429	20	PASS
			NV	50	45000	7.725322	20	PASS
11N40SI SO	Ant1	5190	NV	-30	60000	11.560694	20	PASS
			NV	-20	30000	5.780347	20	PASS
			NV	-10	30000	5.780347	20	PASS
			NV	0	30000	5.780347	20	PASS
			NV	10	30000	5.780347	20	PASS
			NV	20	60000	11.560694	20	PASS
			NV	30	30000	5.780347	20	PASS

			NV	40	30000	5.780347	20	PASS
			NV	50	30000	5.780347	20	PASS
		5230	NV	-30	30000	5.736138	20	PASS
			NV	-20	60000	11.472275	20	PASS
			NV	-10	30000	5.736138	20	PASS
			NV	0	60000	11.472275	20	PASS
			NV	10	30000	5.736138	20	PASS
			NV	20	60000	11.472275	20	PASS
			NV	30	30000	5.736138	20	PASS
			NV	40	60000	11.472275	20	PASS
			NV	50	60000	11.472275	20	PASS
		5755	NV	-30	60000	10.425717	20	PASS
			NV	-20	60000	10.425717	20	PASS
			NV	-10	60000	10.425717	20	PASS
			NV	0	30000	5.212858	20	PASS
			NV	10	60000	10.425717	20	PASS
			NV	20	60000	10.425717	20	PASS
			NV	30	30000	5.212858	20	PASS
			NV	40	60000	10.425717	20	PASS
		5795	NV	50	30000	5.212858	20	PASS
			NV	-30	90000	15.53063	20	PASS
			NV	-20	60000	10.353753	20	PASS
			NV	-10	60000	10.353753	20	PASS
			NV	0	60000	10.353753	20	PASS
			NV	10	60000	10.353753	20	PASS
			NV	20	60000	10.353753	20	PASS
			NV	30	30000	5.176877	20	PASS
			NV	40	60000	10.353753	20	PASS
			NV	50	30000	5.176877	20	PASS
11AC20S ISO	Ant1	5180	NV	-30	60000	11.583012	20	PASS
			NV	-20	45000	8.687259	20	PASS
			NV	-10	45000	8.687259	20	PASS
			NV	0	45000	8.687259	20	PASS
			NV	10	45000	8.687259	20	PASS
			NV	20	60000	11.583012	20	PASS
			NV	30	60000	11.583012	20	PASS
			NV	40	45000	8.687259	20	PASS
			NV	50	60000	11.583012	20	PASS
		5200	NV	-30	45000	8.653846	20	PASS
			NV	-20	45000	8.653846	20	PASS
			NV	-10	45000	8.653846	20	PASS
			NV	0	45000	8.653846	20	PASS
			NV	10	45000	8.653846	20	PASS

			NV	20	45000	8.653846	20	PASS
			NV	30	45000	8.653846	20	PASS
			NV	40	45000	8.653846	20	PASS
			NV	50	45000	8.653846	20	PASS
		5240	NV	-30	45000	8.587786	20	PASS
			NV	-20	45000	8.587786	20	PASS
			NV	-10	60000	11.450382	20	PASS
			NV	0	45000	8.587786	20	PASS
			NV	10	60000	11.450382	20	PASS
			NV	20	60000	11.450382	20	PASS
			NV	30	60000	11.450382	20	PASS
			NV	40	45000	8.587786	20	PASS
			NV	50	45000	8.587786	20	PASS
		5745	NV	-30	30000	5.221932	20	PASS
			NV	-20	45000	7.832898	20	PASS
			NV	-10	45000	7.832898	20	PASS
			NV	0	45000	7.832898	20	PASS
			NV	10	45000	7.832898	20	PASS
			NV	20	60000	10.443864	20	PASS
			NV	30	60000	10.443864	20	PASS
			NV	40	45000	7.832898	20	PASS
		5785	NV	50	60000	10.443864	20	PASS
			NV	-30	60000	10.371651	20	PASS
			NV	-20	60000	10.371651	20	PASS
			NV	-10	60000	10.371651	20	PASS
			NV	0	60000	10.371651	20	PASS
			NV	10	60000	10.371651	20	PASS
			NV	20	60000	10.371651	20	PASS
			NV	30	60000	10.371651	20	PASS
		5825	NV	40	75000	12.964564	20	PASS
			NV	50	45000	7.778738	20	PASS
			NV	-30	60000	10.300429	20	PASS
			NV	-20	45000	7.725322	20	PASS
			NV	-10	45000	7.725322	20	PASS
			NV	0	60000	10.300429	20	PASS
			NV	10	45000	7.725322	20	PASS
			NV	20	45000	7.725322	20	PASS
			NV	30	45000	7.725322	20	PASS
			NV	40	45000	7.725322	20	PASS
			NV	50	45000	7.725322	20	PASS
11AC40S ISO	Ant1	5190	NV	-30	30000	5.780347	20	PASS
			NV	-20	60000	11.560694	20	PASS
			NV	-10	60000	11.560694	20	PASS

			NV	0	60000	11.560694	20	PASS
			NV	10	0	0	20	PASS
			NV	20	30000	5.780347	20	PASS
			NV	30	60000	11.560694	20	PASS
			NV	40	30000	5.780347	20	PASS
			NV	50	60000	11.560694	20	PASS
		5230	NV	-30	30000	5.736138	20	PASS
			NV	-20	30000	5.736138	20	PASS
			NV	-10	60000	11.472275	20	PASS
			NV	0	60000	11.472275	20	PASS
			NV	10	60000	11.472275	20	PASS
			NV	20	60000	11.472275	20	PASS
			NV	30	60000	11.472275	20	PASS
			NV	40	30000	5.736138	20	PASS
			NV	50	30000	5.736138	20	PASS
		5755	NV	-30	60000	10.425717	20	PASS
			NV	-20	30000	5.212858	20	PASS
			NV	-10	30000	5.212858	20	PASS
			NV	0	60000	10.425717	20	PASS
			NV	10	60000	10.425717	20	PASS
			NV	20	60000	10.425717	20	PASS
			NV	30	60000	10.425717	20	PASS
			NV	40	60000	10.425717	20	PASS
			NV	50	60000	10.425717	20	PASS
		5795	NV	-30	30000	5.176877	20	PASS
			NV	-20	60000	10.353753	20	PASS
			NV	-10	60000	10.353753	20	PASS
			NV	0	90000	15.53063	20	PASS
			NV	10	90000	15.53063	20	PASS
			NV	20	60000	10.353753	20	PASS
			NV	30	60000	10.353753	20	PASS
			NV	40	30000	5.176877	20	PASS
			NV	50	90000	15.53063	20	PASS
11AC80S ISO	Ant1	5210	NV	-30	70000	13.435701	20	PASS
			NV	-20	70000	13.435701	20	PASS
			NV	-10	70000	13.435701	20	PASS
			NV	0	0	0	20	PASS
			NV	10	70000	13.435701	20	PASS
			NV	20	70000	13.435701	20	PASS
			NV	30	0	0	20	PASS
			NV	40	70000	13.435701	20	PASS
			NV	50	70000	13.435701	20	PASS
		5775	NV	-30	70000	12.121212	20	PASS

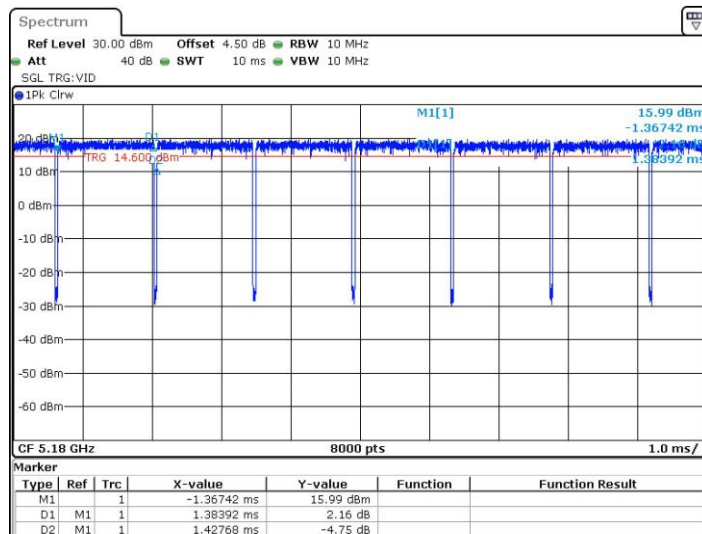
			NV	-20	70000	12.121212	20	PASS
			NV	-10	70000	12.121212	20	PASS
			NV	0	70000	12.121212	20	PASS
			NV	10	70000	12.121212	20	PASS
			NV	20	70000	12.121212	20	PASS
			NV	30	70000	12.121212	20	PASS
			NV	40	70000	12.121212	20	PASS
			NV	50	70000	12.121212	20	PASS

Appendix E: Duty Cycle

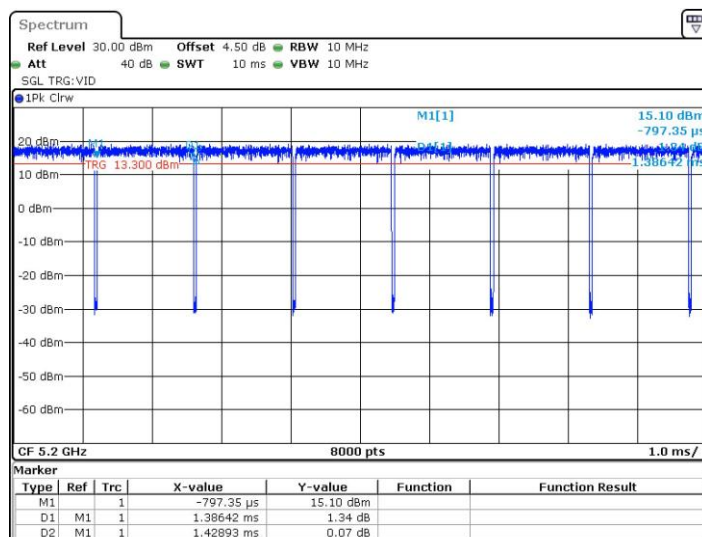
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.38	1.43	96.50
		5200	1.39	1.43	97.20
		5240	1.38	1.43	96.50
		5745	1.39	1.43	97.20
		5785	1.39	1.43	97.20
		5825	1.39	1.43	97.20
11N20SISO	Ant1	5180	1.30	1.34	97.01
		5200	1.30	1.34	97.01
		5240	1.30	1.34	97.01
		5745	1.30	1.34	97.01
		5785	1.30	1.34	97.01
		5825	1.30	1.34	97.01
11N40SISO	Ant1	5190	0.64	0.69	92.75
		5230	0.64	0.69	92.75
		5755	0.64	0.69	92.75
		5795	0.64	0.69	92.75
11AC20SISO	Ant1	5180	1.31	1.35	97.04
		5200	1.31	1.35	97.04
		5240	1.31	1.35	97.04
		5745	1.31	1.35	97.04
		5785	1.31	1.35	97.04
		5825	1.31	1.35	97.04
11AC40SISO	Ant1	5190	0.00	0.04	0.00
		5230	0.00	0.04	0.00
		5755	0.65	0.69	94.20
		5795	0.65	0.69	94.20
11AC80SISO	Ant1	5210	0.00	0.04	0.00
		5775	0.32	0.36	88.89

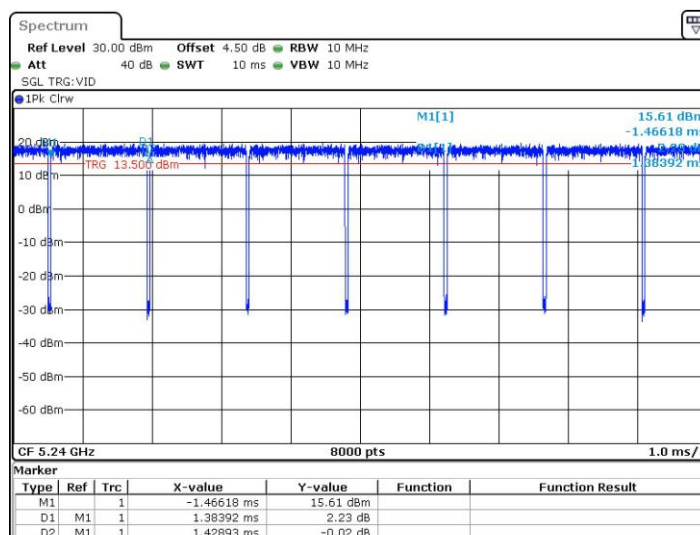
Test Graphs



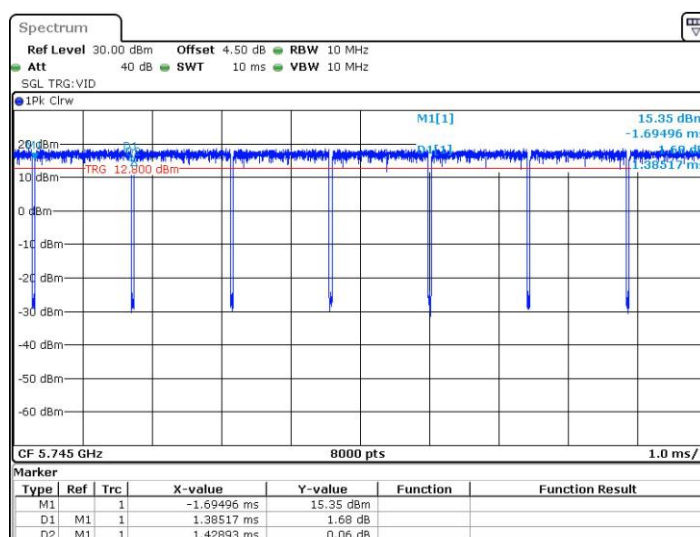
11A_Ant1_5180



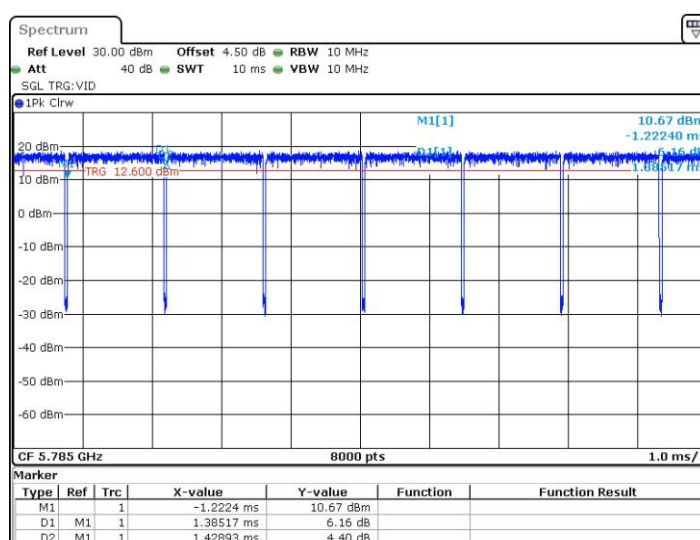
11A_Ant1_5200



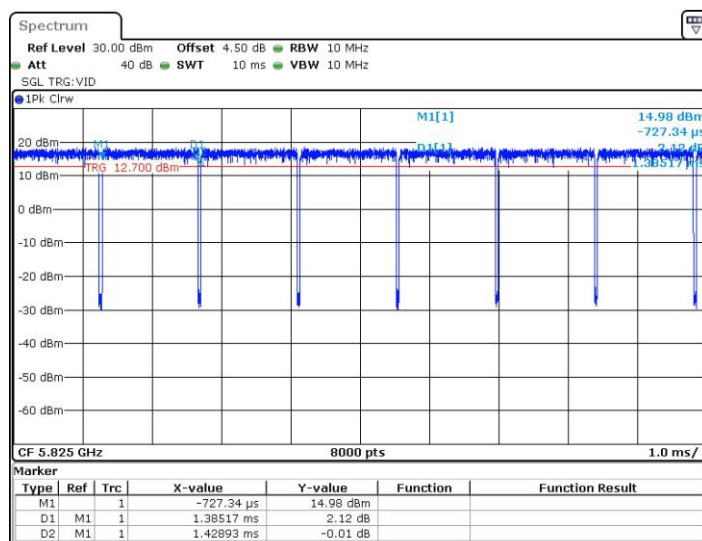
11A_Ant1_5240



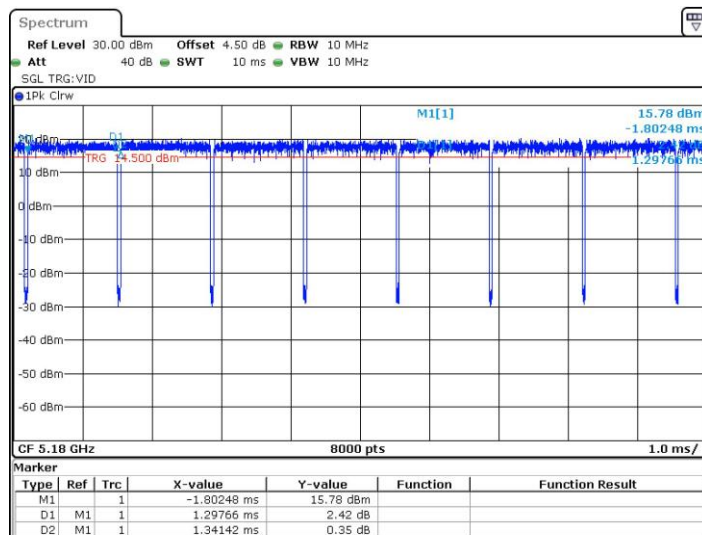
11A_Ant1_5745



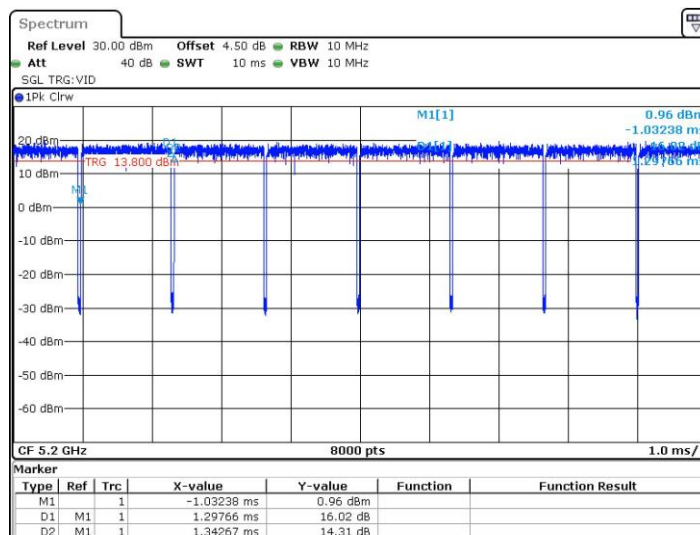
11A_Ant1_5785



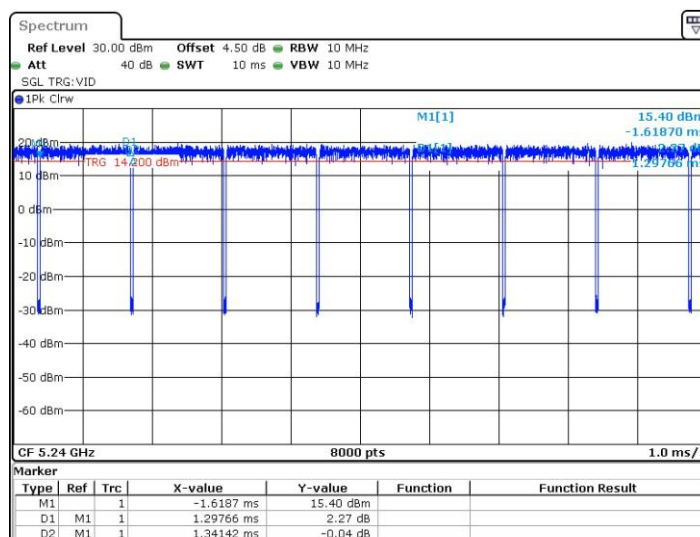
11A_Ant1_5825



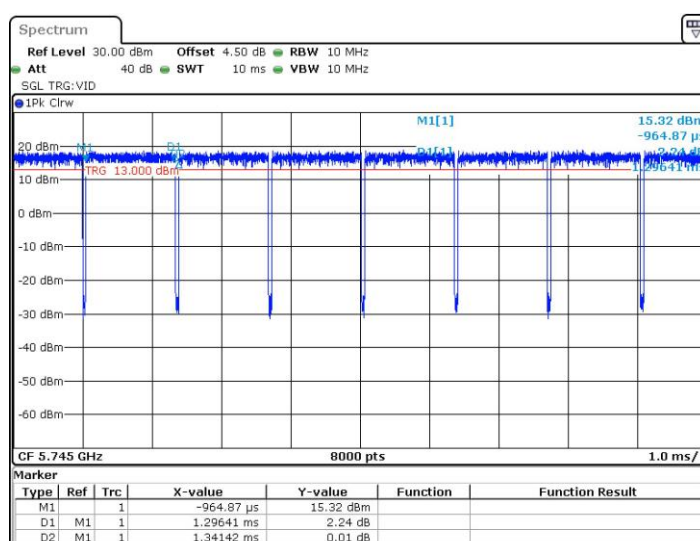
11N20SISO_Ant1_5180



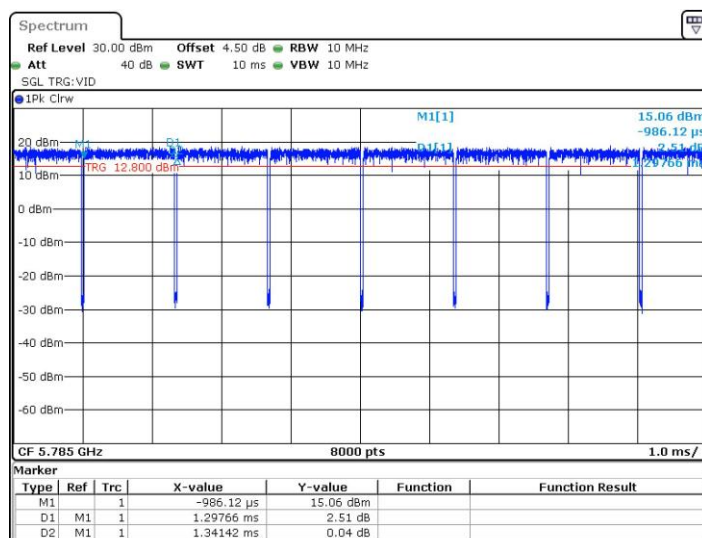
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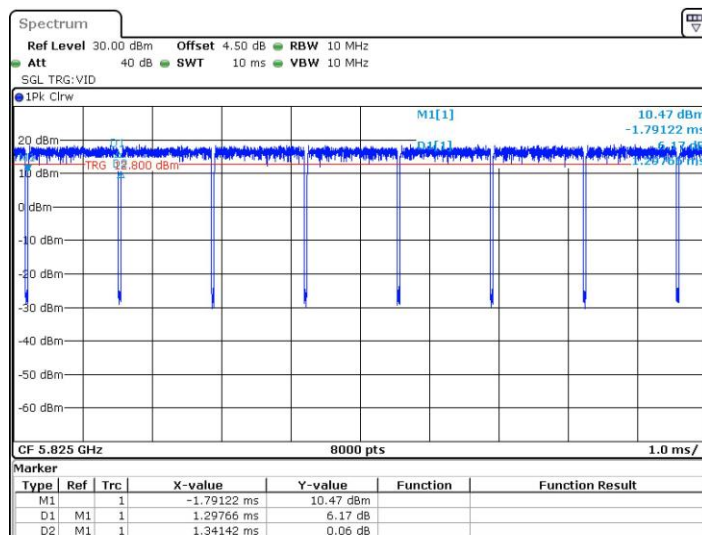
11N20SISO_Ant1_5240



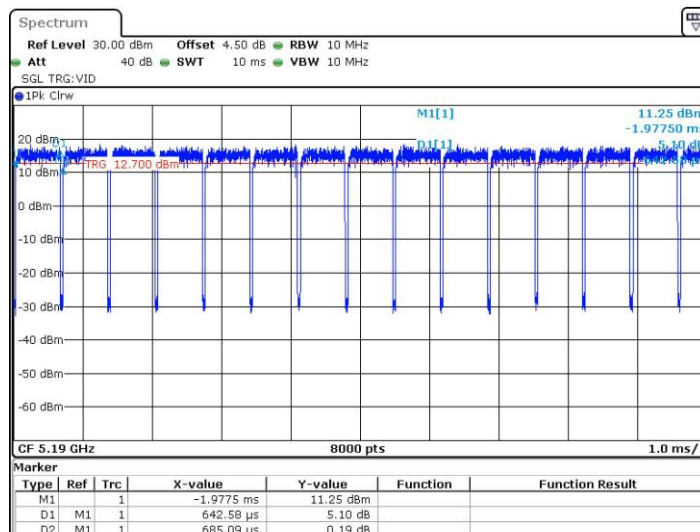
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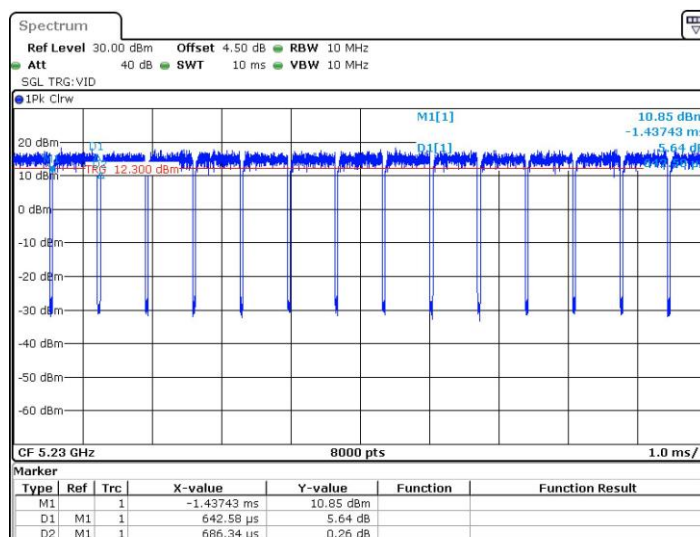
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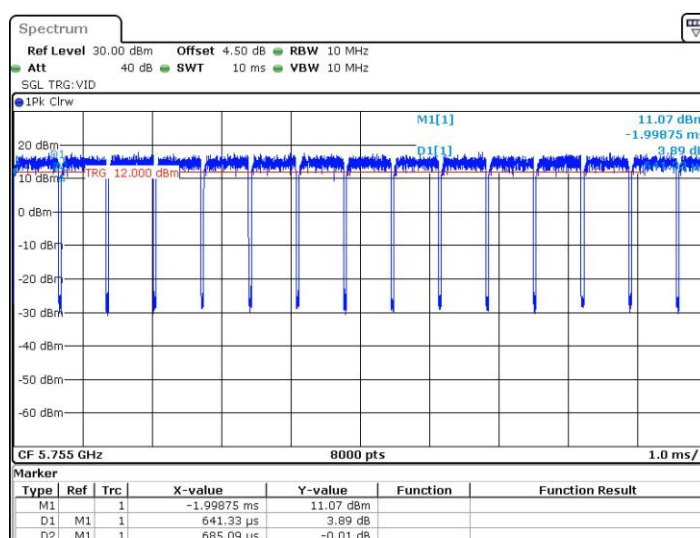
11N20SISO_Ant1_5825



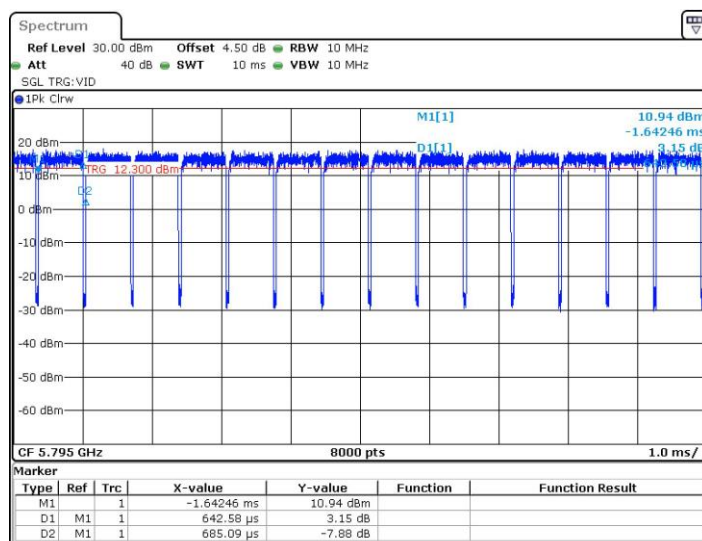
11N40SISO_Ant1_5190



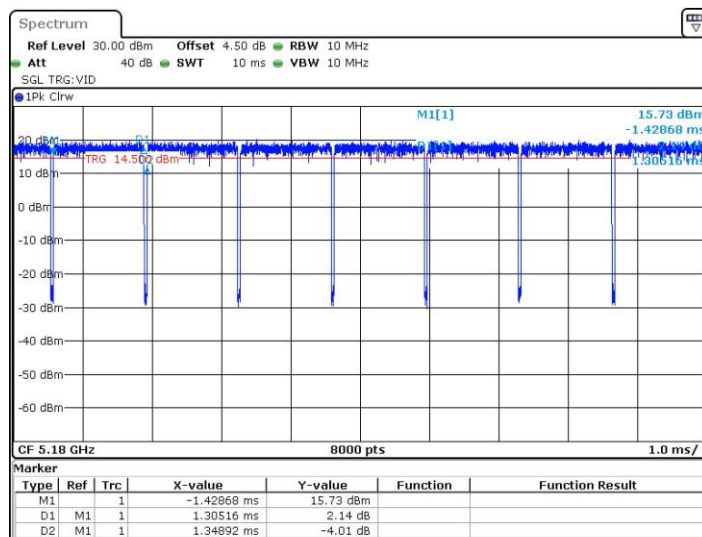
11N40SISO_Ant1_5230



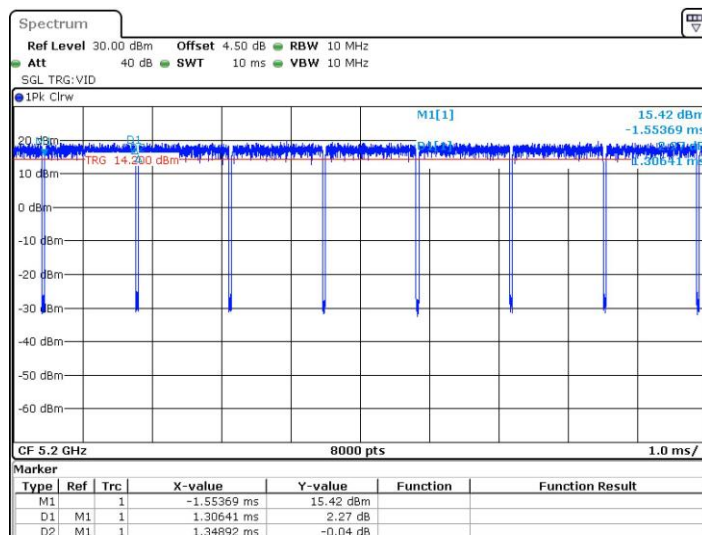
11N40SISO_Ant1_5755



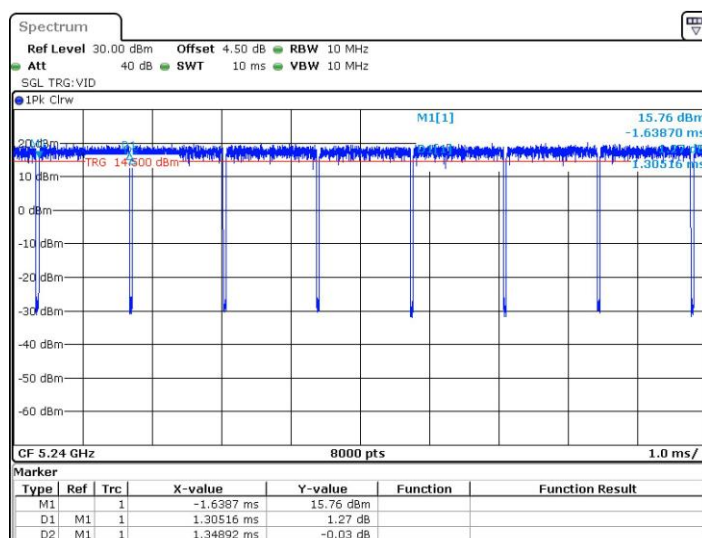
11N40SISO_Ant1_5795



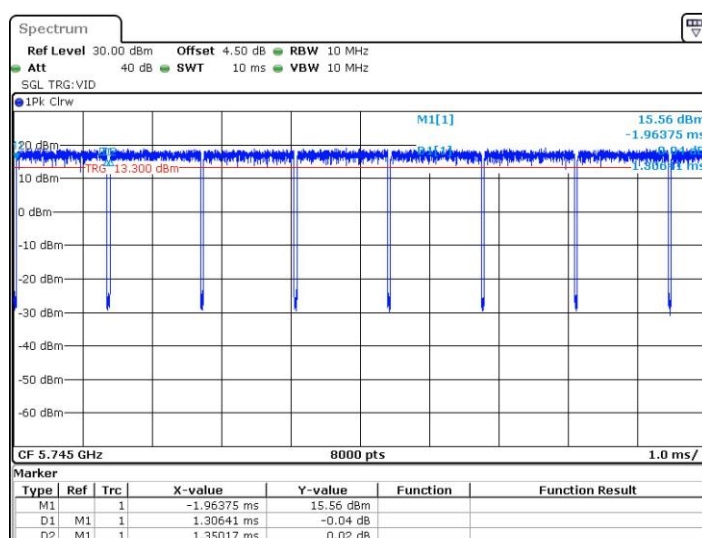
11AC20SISO_Ant1_5180



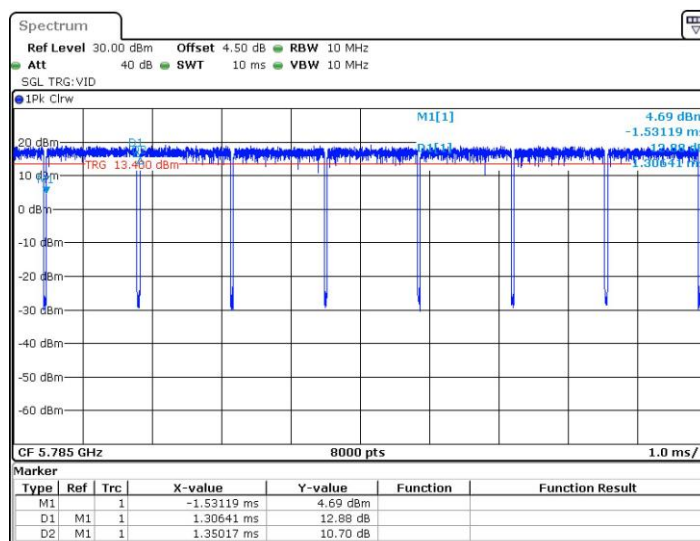
11AC20SISO_Ant1_5200



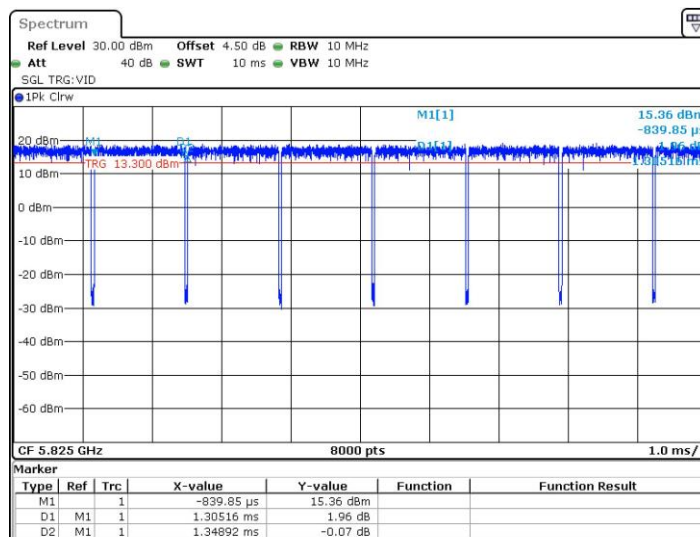
11AC20SISO_Ant1_5240



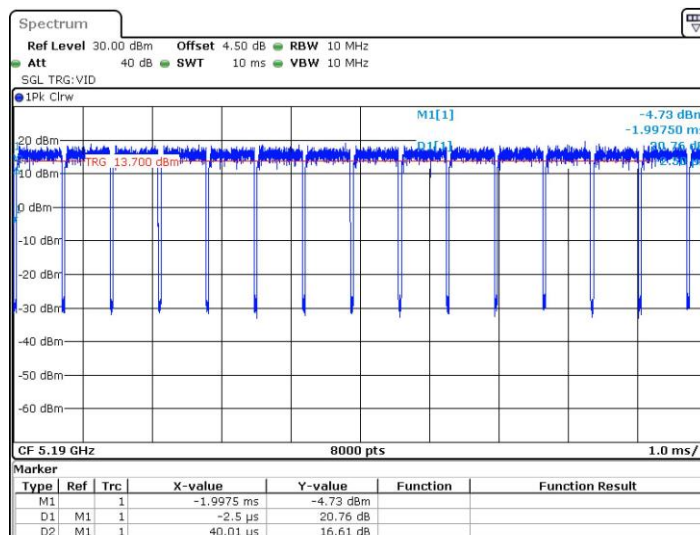
11AC20SISO_Ant1_5745



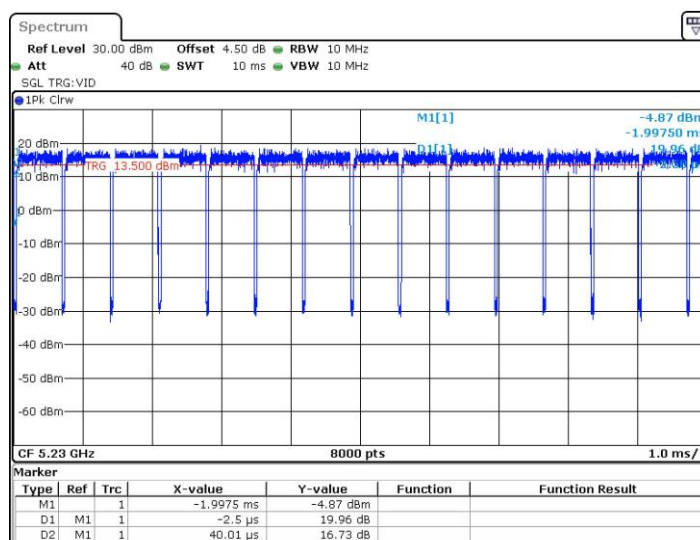
11AC20SISO_Ant1_5785



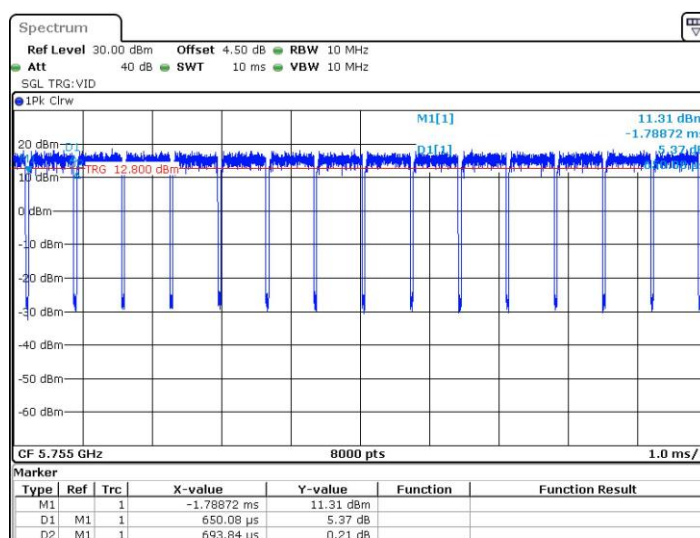
11AC20SISO_Ant1_5825



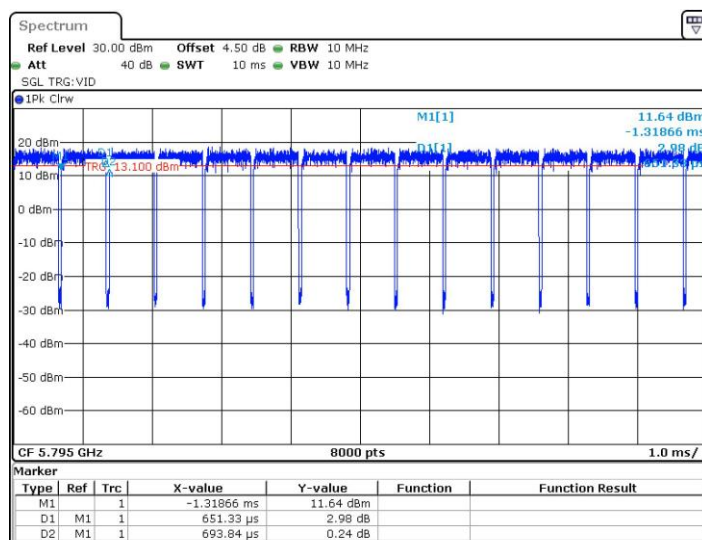
11AC40SISO_Ant1_5190



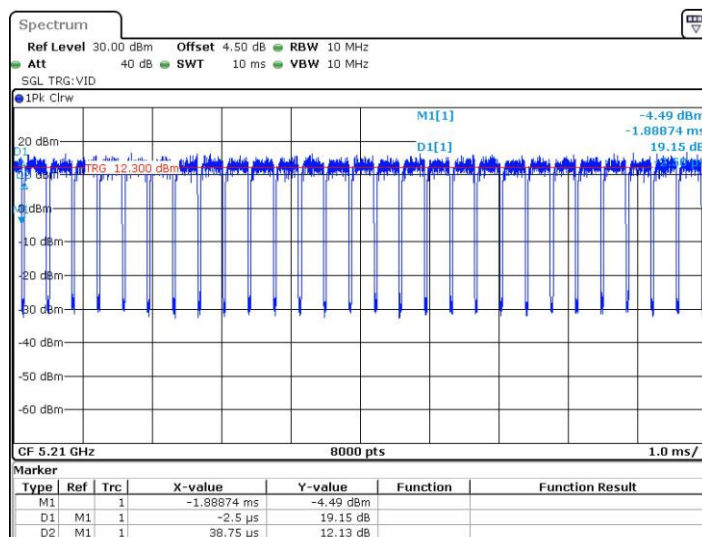
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210

