

Test Graphs



11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



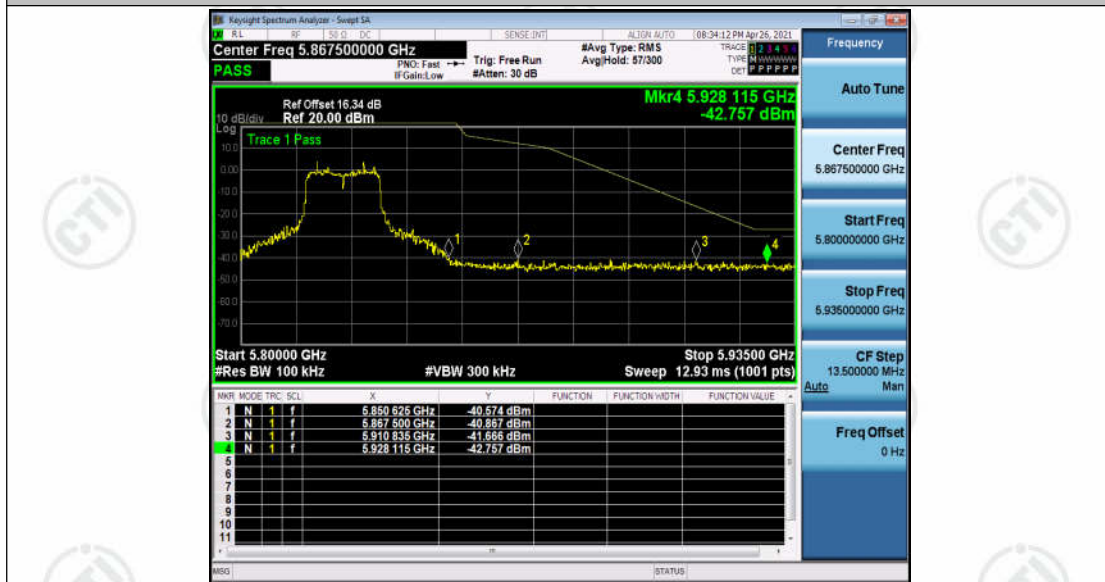
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775

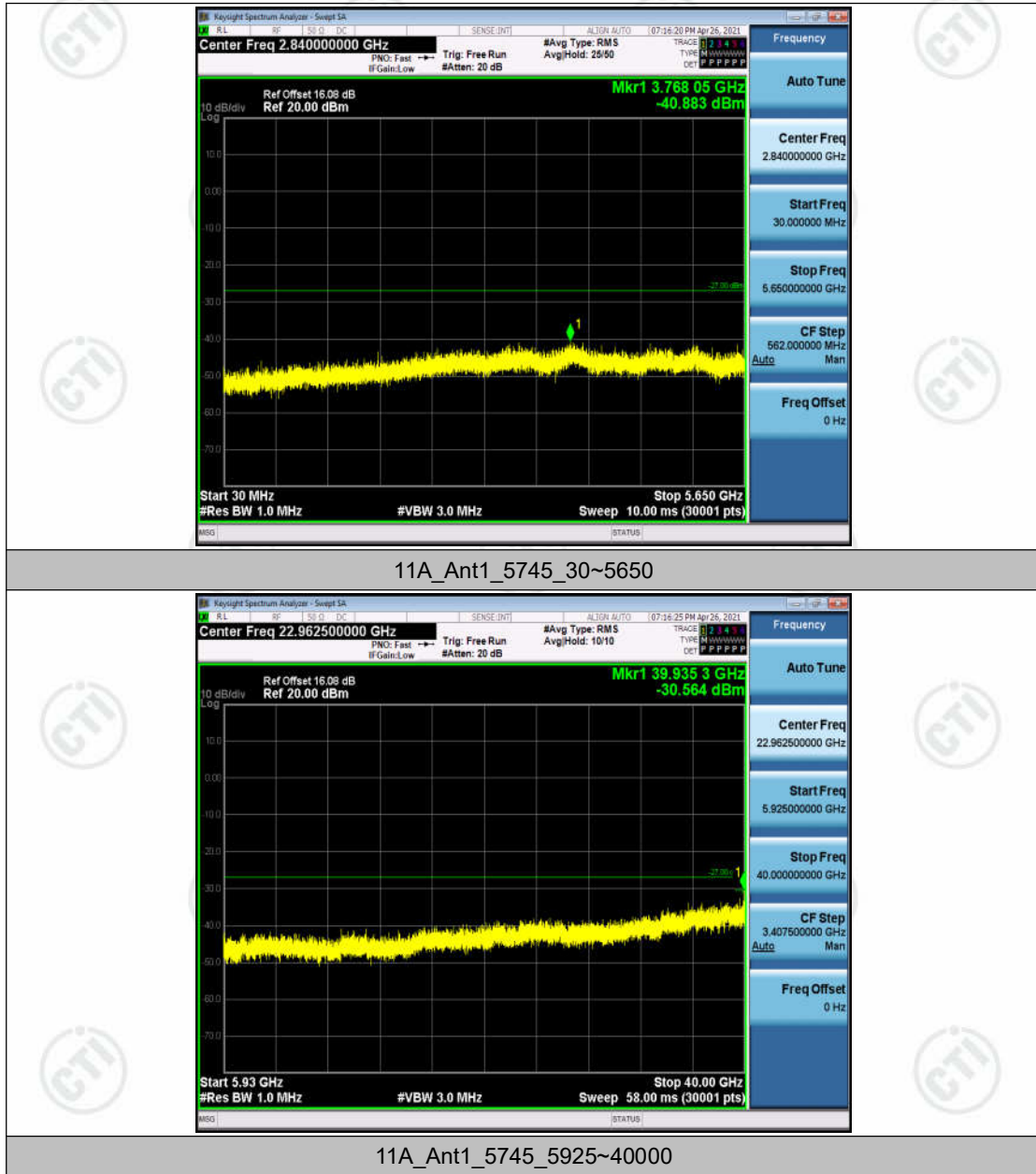
Appendix E: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	30~5650	-40.883	<=-27	PASS
			5925~4000	5925~4000	-30.564	<=-27	PASS
		5785	30~5650	30~5650	-40.468	<=-27	PASS
			5925~4000	5925~4000	-33.273	<=-27	PASS
		5825	30~5650	30~5650	-39.807	<=-27	PASS
			5925~4000	5925~4000	-33.647	<=-27	PASS
11N20SI SO	Ant1	5745	30~5650	30~5650	-40.236	<=-27	PASS
			5925~4000	5925~4000	-32.342	<=-27	PASS
		5785	30~5650	30~5650	-39.509	<=-27	PASS
			5925~4000	5925~4000	-32.985	<=-27	PASS
		5825	30~5650	30~5650	-39.722	<=-27	PASS
			5925~4000	5925~4000	-32.704	<=-27	PASS
11N40SI SO	Ant1	5755	30~5650	30~5650	-40.05	<=-27	PASS
			5925~4000	5925~4000	-33.553	<=-27	PASS
		5795	30~5650	30~5650	-40.473	<=-27	PASS
			5925~4000	5925~4000	-32.9	<=-27	PASS
11AC20S ISO	Ant1	5745	30~5650	30~5650	-40.013	<=-27	PASS
			5925~4000	5925~4000	-33.312	<=-27	PASS
		5785	30~5650	30~5650	-40.107	<=-27	PASS
			5925~4000	5925~4000	-33.257	<=-27	PASS
		5825	30~5650	30~5650	-40.344	<=-27	PASS
			5925~4000	5925~4000	-32.791	<=-27	PASS
11AC40S ISO	Ant1	5755	30~5650	30~5650	-39.648	<=-27	PASS
			5925~4000	5925~4000	-33.236	<=-27	PASS

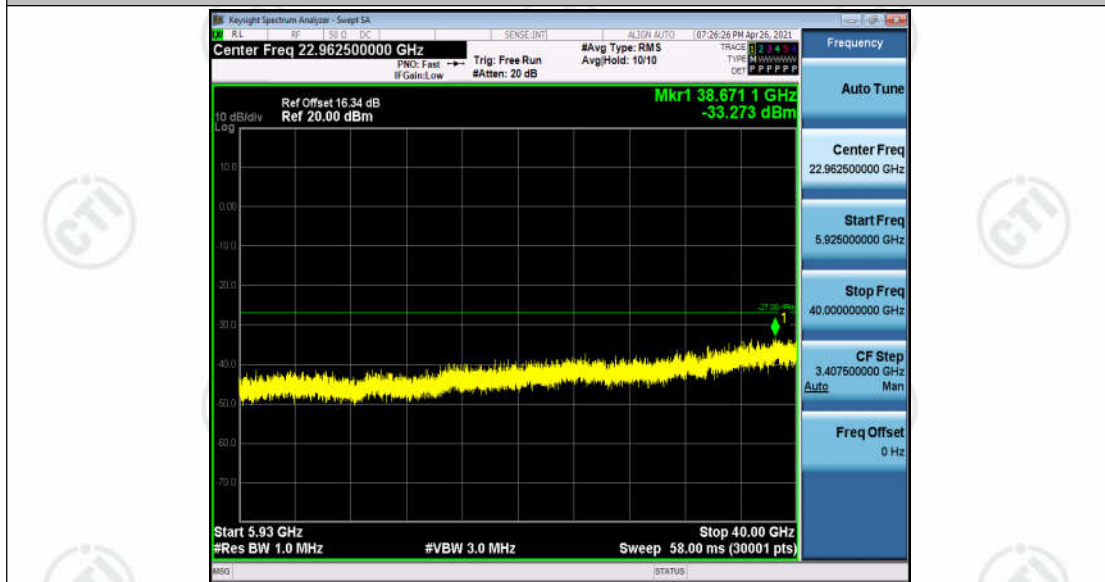
			00	00			
		5795	30~5650	30~5650	-40.897	<=-27	PASS
			5925~400	5925~400	-33.22	<=-27	PASS
			00	00			
11AC80S ISO	Ant1	5775	30~5650	30~5650	-32.46	<=-27	PASS
			5925~400	5925~400	-33.315	<=-27	PASS
			00	00			

Test Graphs





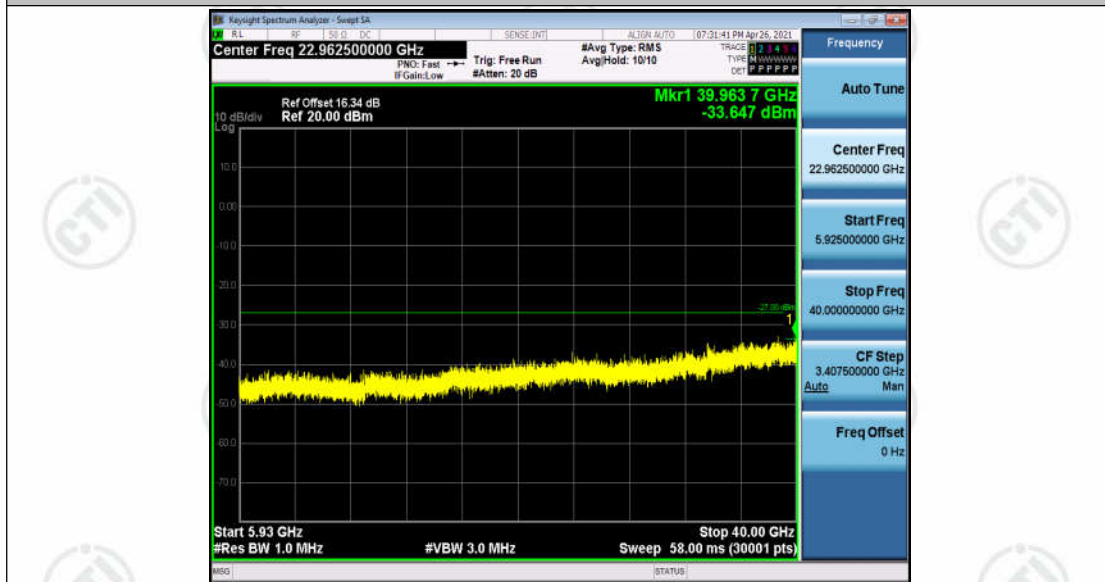
11A_Ant1_5785_30~5650



11A_Ant1_5785_5925~40000



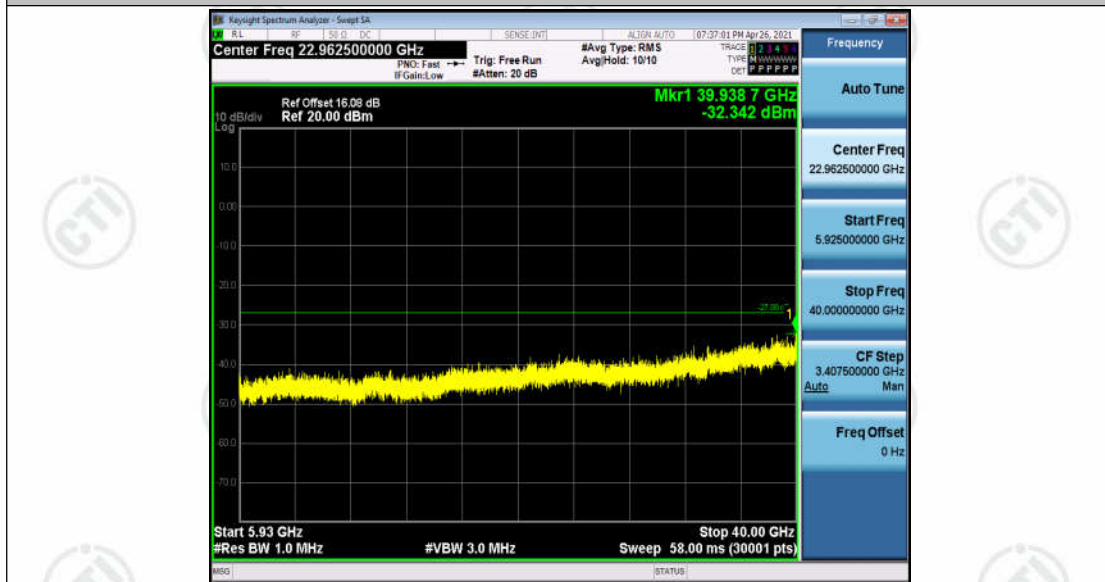
11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~40000



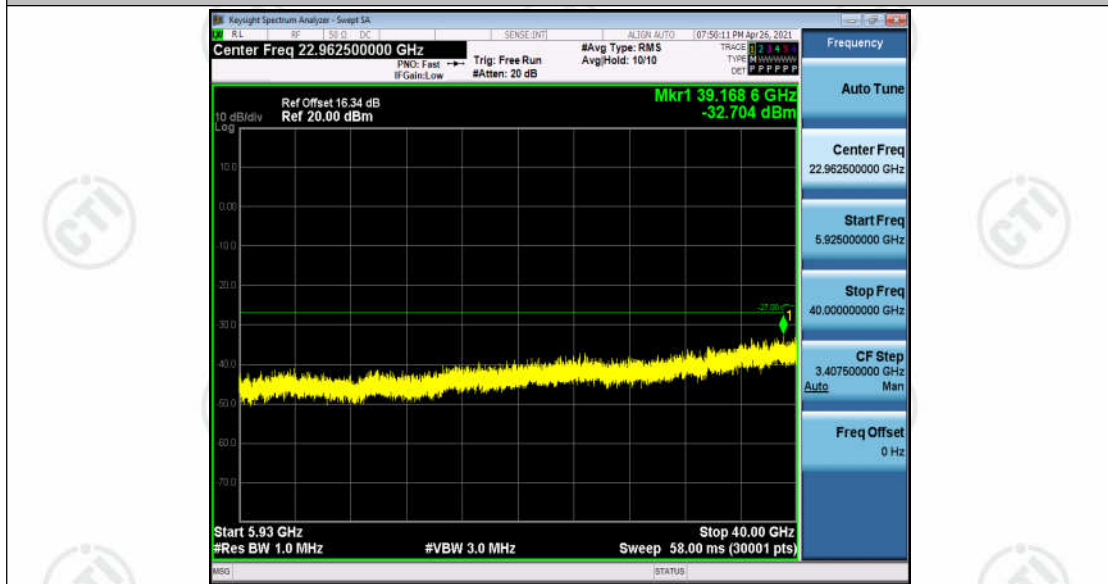
11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~40000



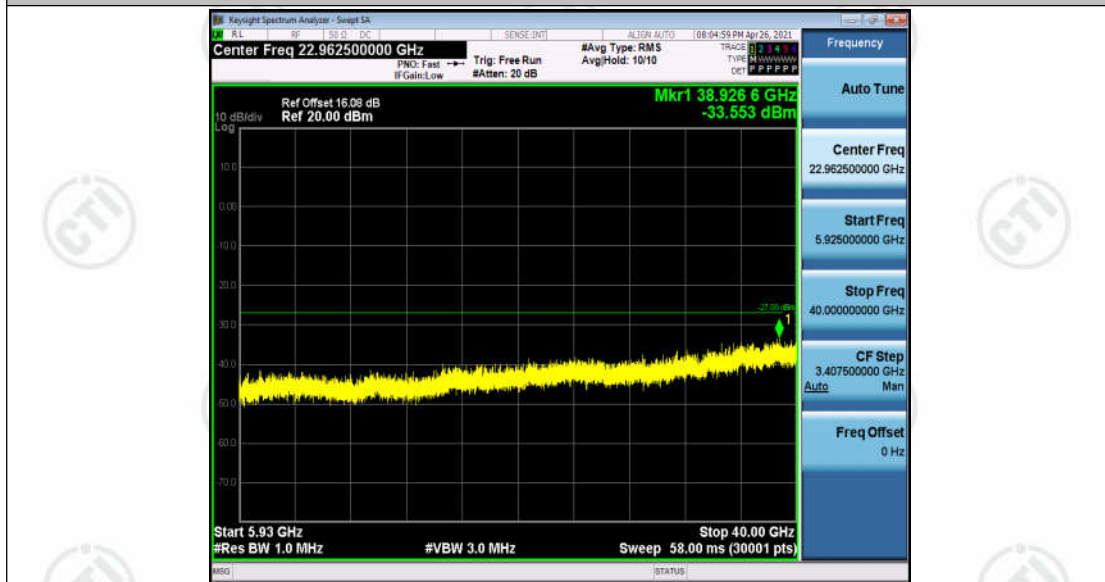
11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000



11N40SISO_Ant1_5755_30~5650



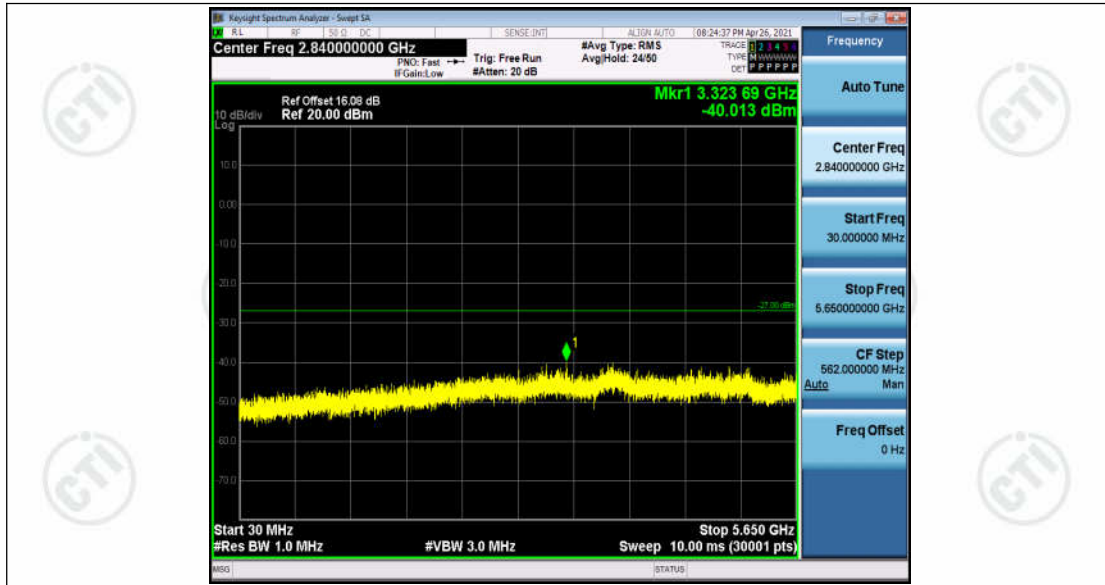
11N40SISO_Ant1_5755_5925~40000



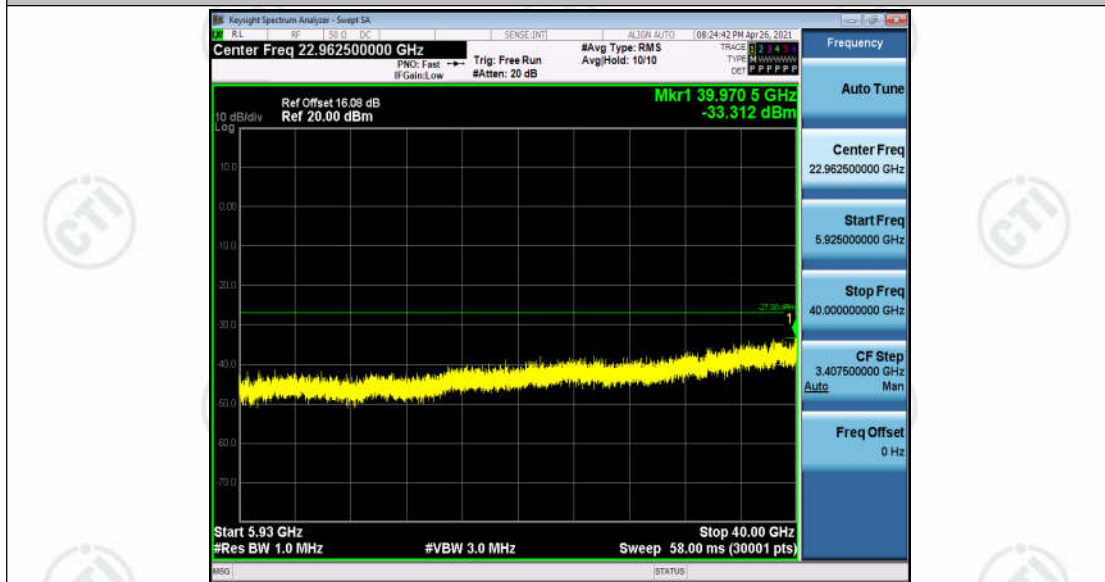
11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~40000



11AC20SISO_Ant1_5745_30~5650



11AC20SISO_Ant1_5745_5925~40000



11AC20SISO_Ant1_5785_30~5650



11AC20SISO_Ant1_5785_5925~40000



11AC20SISO_Ant1_5825_30~5650



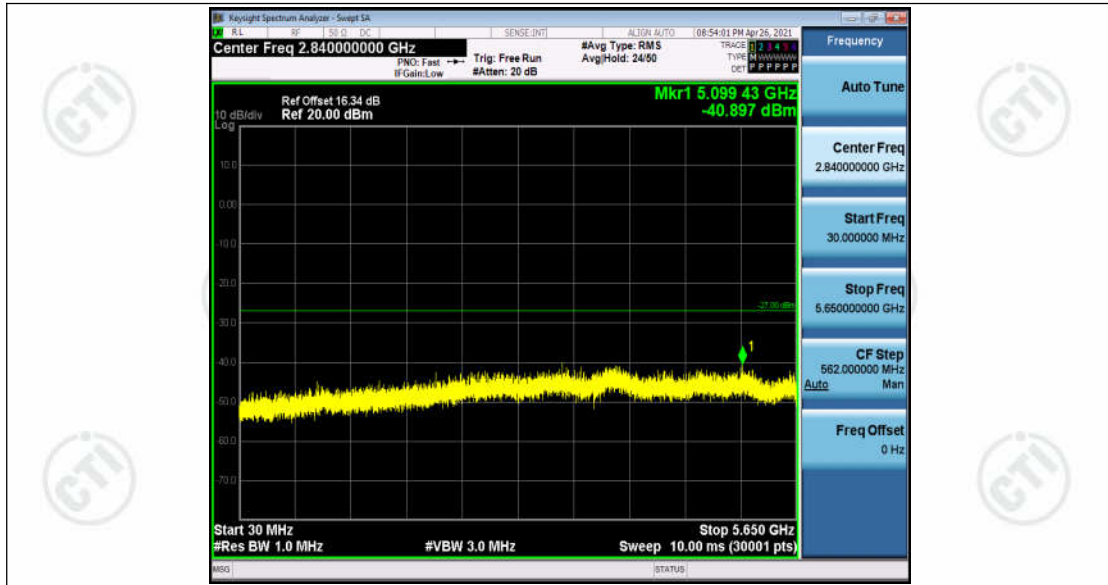
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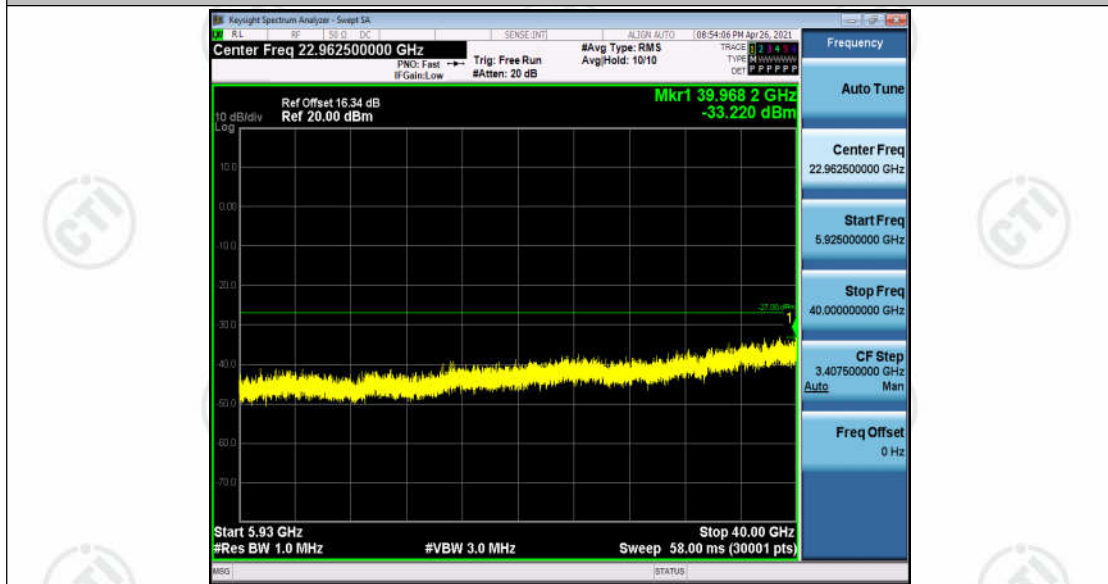
11AC40SISO_Ant1_5755_30~5650



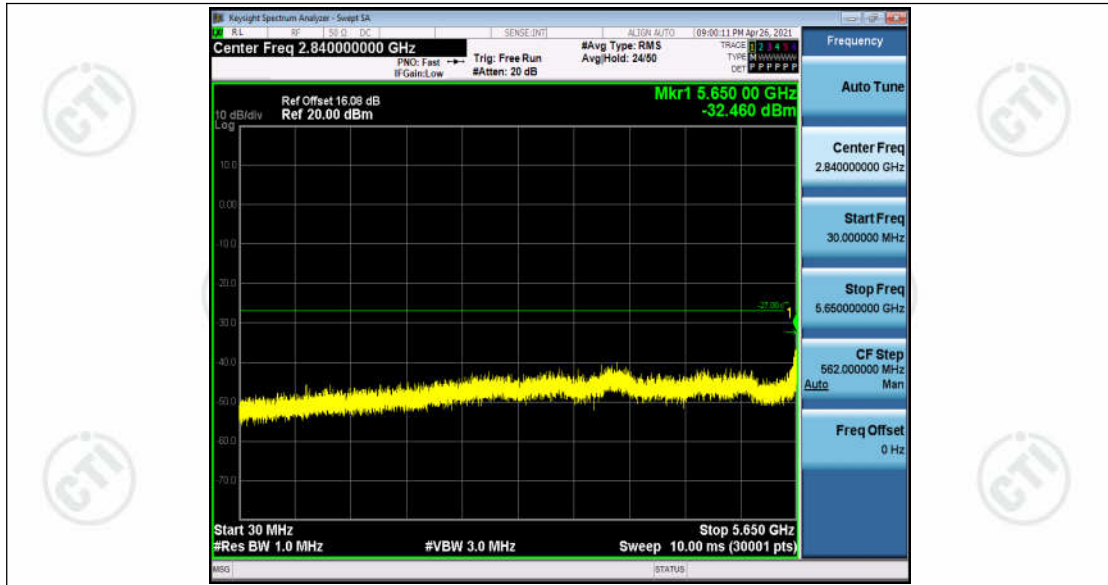
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11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

Appendix F: Frequency Stability

Test Result

Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	NT	-46000	-8.006963	20	PASS
			LV	NT	-45000	-7.832898	20	PASS
			HV	NT	-44000	-7.658834	20	PASS
		5785	NV	NT	-44000	-7.605877	20	PASS
			LV	NT	-40000	-6.914434	20	PASS
			HV	NT	-37000	-6.395851	20	PASS
		5825	NV	NT	-44000	-7.553648	20	PASS
			LV	NT	-40000	-6.866953	20	PASS
			HV	NT	-38000	-6.523605	20	PASS
11N20SI SO	Ant1	5745	NV	NT	-43000	-7.484769	20	PASS
			LV	NT	-38000	-6.614447	20	PASS
			HV	NT	-35000	-6.092254	20	PASS
		5785	NV	NT	-43000	-7.433016	20	PASS
			LV	NT	-38000	-6.568712	20	PASS
			HV	NT	-35000	-6.05013	20	PASS
		5825	NV	NT	-43000	-7.381974	20	PASS
			LV	NT	-40000	-6.866953	20	PASS
			HV	NT	-38000	-6.523605	20	PASS
11N40SI SO	Ant1	5755	NV	NT	-43000	-7.471764	20	PASS
			LV	NT	-39000	-6.776716	20	PASS
			HV	NT	-36000	-6.25543	20	PASS
		5795	NV	NT	-43000	-7.42019	20	PASS
			LV	NT	-39000	-6.72994	20	PASS
			HV	NT	-37000	-6.384814	20	PASS
11AC20S ISO	Ant1	5745	NV	NT	-48000	-8.355091	20	PASS
			LV	NT	-46000	-8.006963	20	PASS
			HV	NT	-47000	-8.181027	20	PASS
		5785	NV	NT	-46000	-7.951599	20	PASS
			LV	NT	-46000	-7.951599	20	PASS
			HV	NT	-45000	-7.778738	20	PASS
		5825	NV	NT	-46000	-7.896996	20	PASS
			LV	NT	-44000	-7.553648	20	PASS
			HV	NT	-44000	-7.553648	20	PASS
11AC40S	Ant1	5755	NV	NT	-45000	-7.819288	20	PASS

ISO		5795	LV	NT	-42000	-7.298002	20	PASS
			HV	NT	-40000	-6.950478	20	PASS
			NV	NT	-44000	-7.592752	20	PASS
			LV	NT	-41000	-7.075065	20	PASS
			HV	NT	-39000	-6.72994	20	PASS
11AC80S ISO	Ant1	5775	NV	NT	-44000	-7.619048	20	PASS
			LV	NT	-40000	-6.926407	20	PASS
			HV	NT	-38000	-6.580087	20	PASS

Temperature								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	-30	-42000	-7.310705	20	PASS
			NV	-20	-40000	-6.962576	20	PASS
			NV	-10	-38000	-6.614447	20	PASS
			NV	0	-36000	-6.266319	20	PASS
			NV	10	-34000	-5.91819	20	PASS
			NV	20	-32000	-5.570061	20	PASS
			NV	30	-29000	-5.047868	20	PASS
			NV	40	-29000	-5.047868	20	PASS
			NV	50	-28000	-4.873803	20	PASS
		5785	NV	-30	-35000	-6.05013	20	PASS
			NV	-20	-32000	-5.531547	20	PASS
			NV	-10	-31000	-5.358686	20	PASS
			NV	0	-29000	-5.012965	20	PASS
			NV	10	-28000	-4.840104	20	PASS
			NV	20	-28000	-4.840104	20	PASS
			NV	30	-27000	-4.667243	20	PASS
			NV	40	-27000	-4.667243	20	PASS
			NV	50	-26000	-4.494382	20	PASS
		5825	NV	-30	-36000	-6.180258	20	PASS
			NV	-20	-34000	-5.83691	20	PASS
			NV	-10	-32000	-5.493562	20	PASS
			NV	0	-30000	-5.150215	20	PASS
			NV	10	-29000	-4.978541	20	PASS
			NV	20	-28000	-4.806867	20	PASS
			NV	30	-28000	-4.806867	20	PASS
			NV	40	-27000	-4.635193	20	PASS
			NV	50	-27000	-4.635193	20	PASS
11N20SI SO	Ant1	5745	NV	-30	-31000	-5.395997	20	PASS
			NV	-20	-29000	-5.047868	20	PASS

		5785	NV	-10	-27000	-4.699739	20	PASS
			NV	0	-26000	-4.525674	20	PASS
			NV	10	-25000	-4.35161	20	PASS
			NV	20	-25000	-4.35161	20	PASS
			NV	30	-24000	-4.177546	20	PASS
			NV	40	-24000	-4.177546	20	PASS
			NV	50	-23000	-4.003481	20	PASS
		5825	NV	-30	-32000	-5.531547	20	PASS
			NV	-20	-30000	-5.185825	20	PASS
			NV	-10	-28000	-4.840104	20	PASS
			NV	0	-27000	-4.667243	20	PASS
			NV	10	-26000	-4.494382	20	PASS
			NV	20	-26000	-4.494382	20	PASS
			NV	30	-26000	-4.494382	20	PASS
		5755	NV	40	-25000	-4.321521	20	PASS
			NV	50	-25000	-4.321521	20	PASS
			NV	-30	-36000	-6.180258	20	PASS
			NV	-20	-34000	-5.83691	20	PASS
			NV	-10	-32000	-5.493562	20	PASS
			NV	0	-31000	-5.321888	20	PASS
			NV	10	-30000	-5.150215	20	PASS
		5795	NV	20	-29000	-4.978541	20	PASS
			NV	30	-29000	-4.978541	20	PASS
			NV	40	-28000	-4.806867	20	PASS
			NV	50	-27000	-4.635193	20	PASS
			NV	-30	-33000	-5.734144	20	PASS
			NV	-20	-31000	-5.38662	20	PASS
			NV	-10	-28000	-4.865334	20	PASS
Ant1	NV	0	-27000	-4.691573	20	PASS		
	NV	10	-26000	-4.517811	20	PASS		
	NV	20	-26000	-4.517811	20	PASS		
	NV	30	-25000	-4.344049	20	PASS		
	NV	40	-25000	-4.344049	20	PASS		
	NV	50	-25000	-4.344049	20	PASS		
	NV	-30	-34000	-5.867127	20	PASS		
SO	NV	-20	-32000	-5.522002	20	PASS		
	NV	-10	-30000	-5.176877	20	PASS		
	NV	0	-29000	-5.004314	20	PASS		
	NV	10	-28000	-4.831752	20	PASS		
	NV	20	-27000	-4.659189	20	PASS		
	NV	30	-26000	-4.486626	20	PASS		

11AC20S ISO	Ant1	5745	NV	40	-26000	-4.486626	20	PASS
			NV	50	-26000	-4.486626	20	PASS
			NV	-30	-47000	-8.181027	20	PASS
			NV	-20	-46000	-8.006963	20	PASS
			NV	-10	-46000	-8.006963	20	PASS
			NV	0	-45000	-7.832898	20	PASS
			NV	10	-45000	-7.832898	20	PASS
			NV	20	-44000	-7.658834	20	PASS
			NV	30	-44000	-7.658834	20	PASS
			NV	40	-44000	-7.658834	20	PASS
		NV	50	-43000	-7.484769	20	PASS	
		NV	-30	-44000	-7.605877	20	PASS	
		NV	-20	-43000	-7.433016	20	PASS	
		NV	-10	-43000	-7.433016	20	PASS	
		NV	0	-42000	-7.260156	20	PASS	
		NV	10	-41000	-7.087295	20	PASS	
		NV	20	-41000	-7.087295	20	PASS	
		NV	30	-41000	-7.087295	20	PASS	
		NV	40	-40000	-6.914434	20	PASS	
		NV	50	-40000	-6.914434	20	PASS	
		NV	-30	-43000	-7.381974	20	PASS	
		NV	-20	-42000	-7.2103	20	PASS	
		NV	-10	-41000	-7.038627	20	PASS	
		NV	0	-40000	-6.866953	20	PASS	
		NV	10	-39000	-6.695279	20	PASS	
		NV	20	-39000	-6.695279	20	PASS	
		NV	30	-38000	-6.523605	20	PASS	
		NV	40	-38000	-6.523605	20	PASS	
		NV	50	-37000	-6.351931	20	PASS	
		11AC40S ISO	Ant1	5755	NV	-30	-38000	-6.602954
NV	-20				-36000	-6.25543	20	PASS
NV	-10				-34000	-5.907906	20	PASS
NV	0				-33000	-5.734144	20	PASS
NV	10				-32000	-5.560382	20	PASS
NV	20				-30000	-5.212858	20	PASS
NV	30				-30000	-5.212858	20	PASS
NV	40				-29000	-5.039096	20	PASS
NV	50				-28000	-4.865334	20	PASS
NV	-30			-36000	-6.212252	20	PASS	
NV	-20			-34000	-5.867127	20	PASS	
NV	-10			-32000	-5.522002	20	PASS	
				5795	NV	-30	-36000	-6.212252
			NV	-20	-34000	-5.867127	20	PASS
			NV	-10	-32000	-5.522002	20	PASS

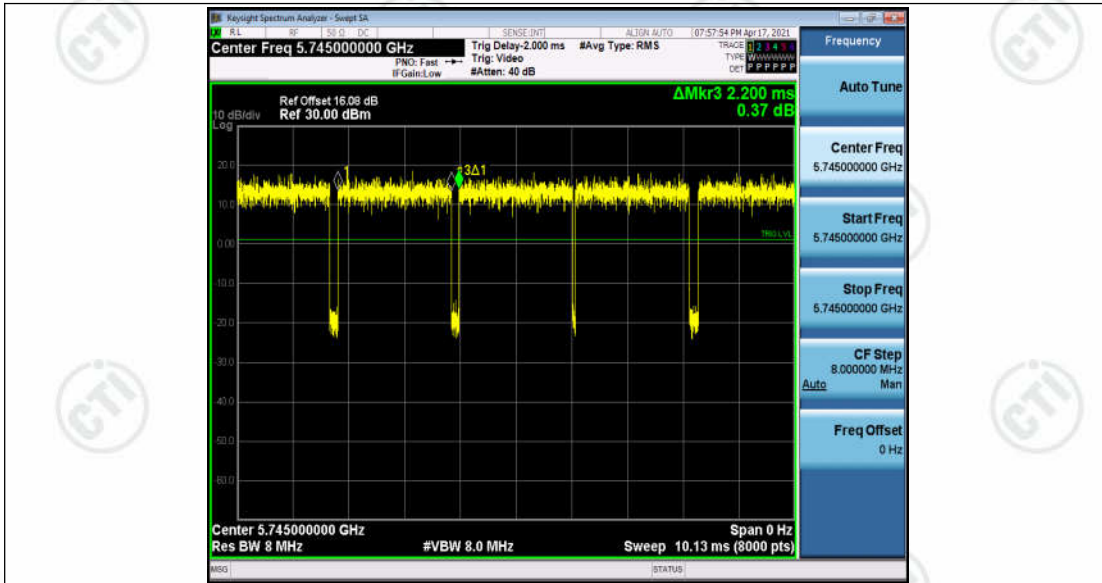
			NV	0	-31000	-5.349439	20	PASS
			NV	10	-30000	-5.176877	20	PASS
			NV	20	-28000	-4.831752	20	PASS
			NV	30	-28000	-4.831752	20	PASS
			NV	40	-28000	-4.831752	20	PASS
			NV	50	-27000	-4.659189	20	PASS
11AC80S ISO	Ant1	5775	NV	-30	-35000	-6.060606	20	PASS
			NV	-20	-33000	-5.714286	20	PASS
			NV	-10	-31000	-5.367965	20	PASS
			NV	0	-29000	-5.021645	20	PASS
			NV	10	-28000	-4.848485	20	PASS
			NV	20	-27000	-4.675325	20	PASS
			NV	30	-27000	-4.675325	20	PASS
			NV	40	-26000	-4.502165	20	PASS
			NV	50	-26000	-4.502165	20	PASS

Appendix G: Duty Cycle

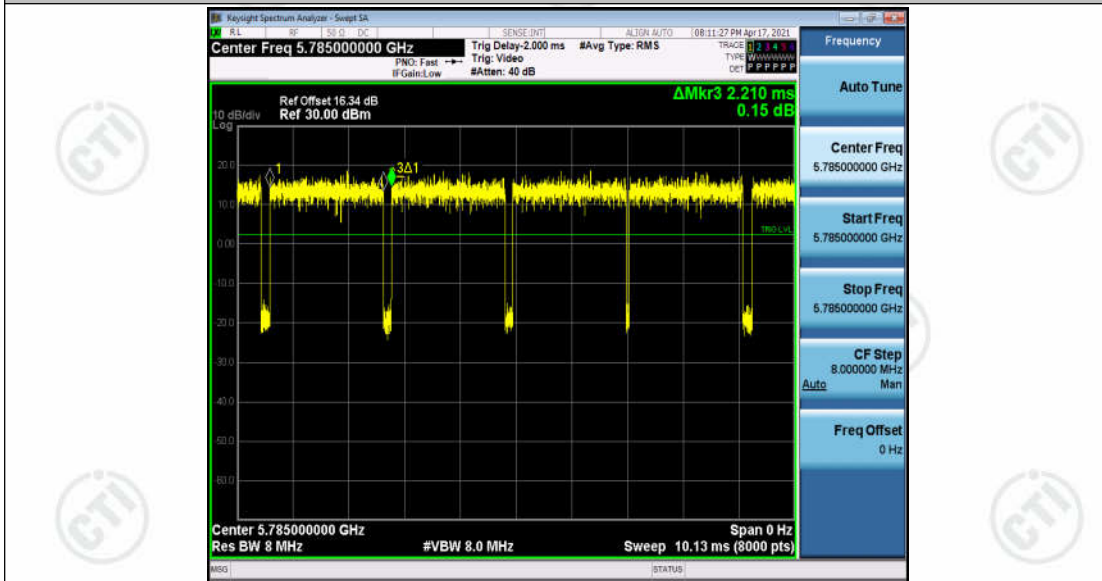
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5745	2.06	2.20	93.67	---	PASS
		5785	2.06	2.21	93.30	---	PASS
		5825	2.06	2.15	96.05	---	PASS
11N20SISO	Ant1	5745	1.92	1.98	97.05	---	PASS
		5785	1.92	2.08	92.04	---	PASS
		5825	1.92	2.07	92.43	---	PASS
11N40SISO	Ant1	5755	0.94	1.08	87.10	---	PASS
		5795	0.94	1.05	90.06	---	PASS
11AC20SIS O	Ant1	5745	1.93	2.00	96.58	---	PASS
		5785	1.93	2.00	96.58	---	PASS
		5825	1.93	2.09	92.42	---	PASS
11AC40SIS O	Ant1	5755	0.95	1.08	87.91	---	PASS
		5795	0.95	1.10	86.51	---	PASS
11AC80SIS O	Ant1	5775	0.46	0.62	74.28	---	PASS

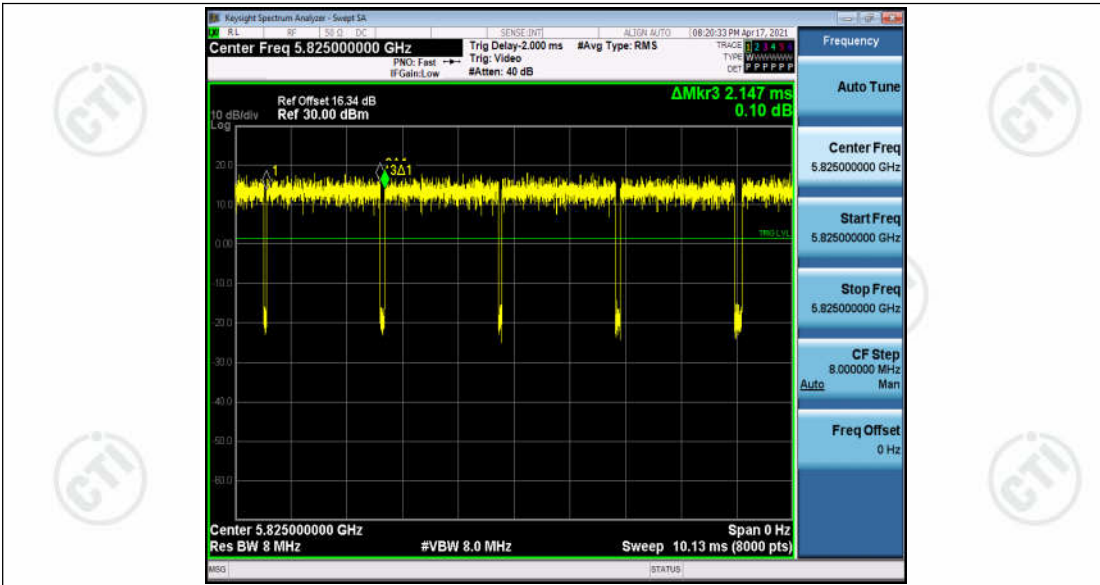
Test Graphs



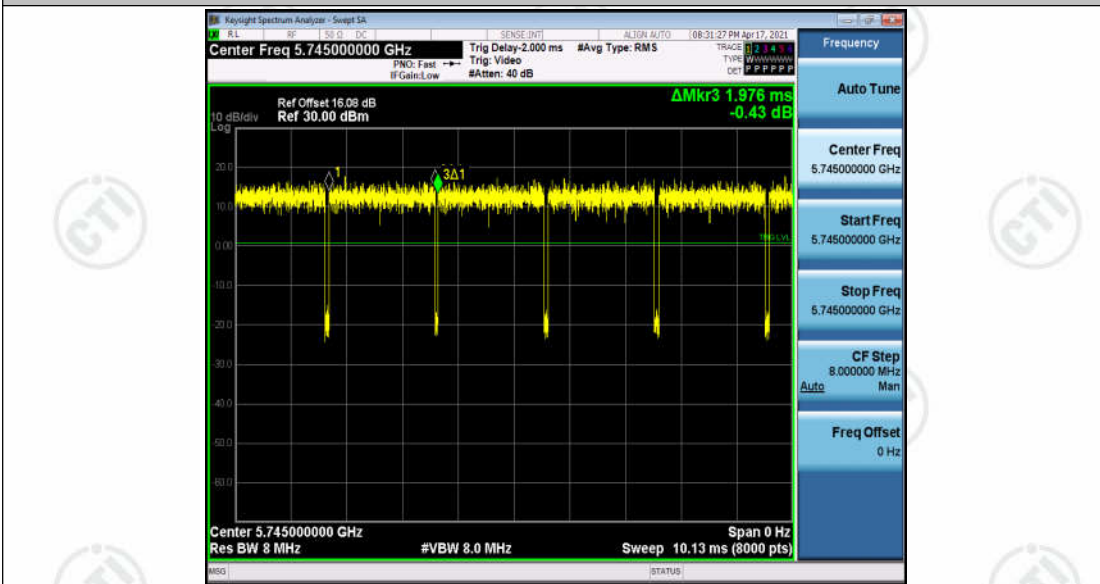
11A_Ant1_5745



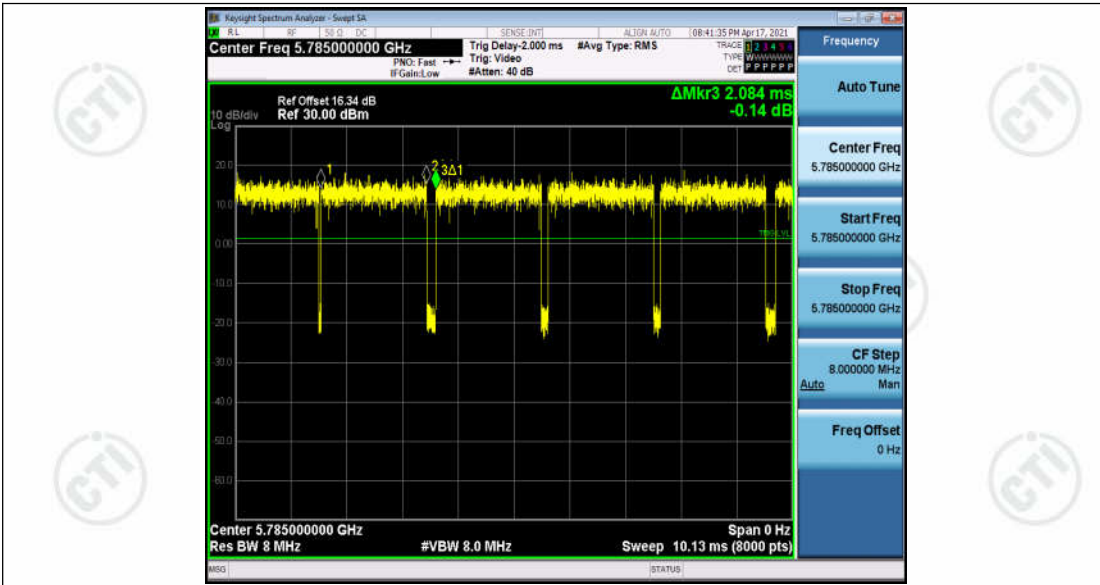
11A_Ant1_5785



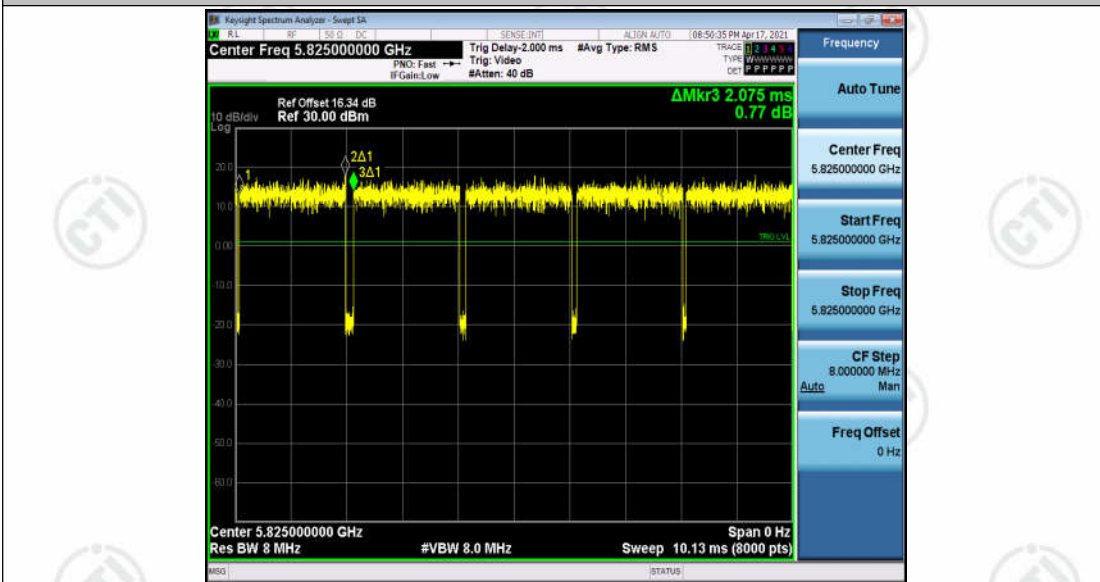
11A_Ant1_5825



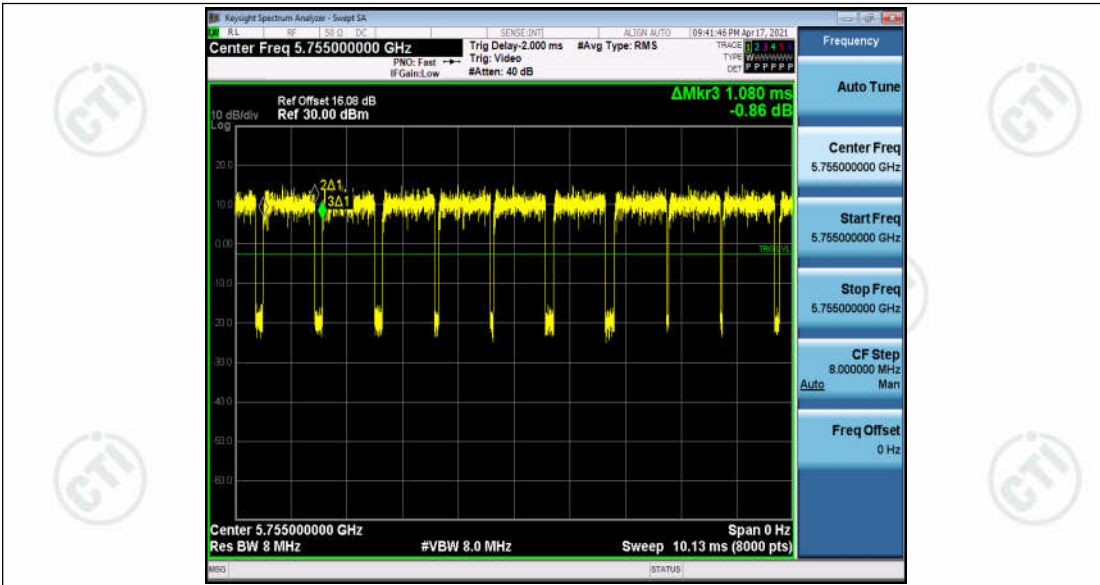
11N20SISO_Ant1_5745



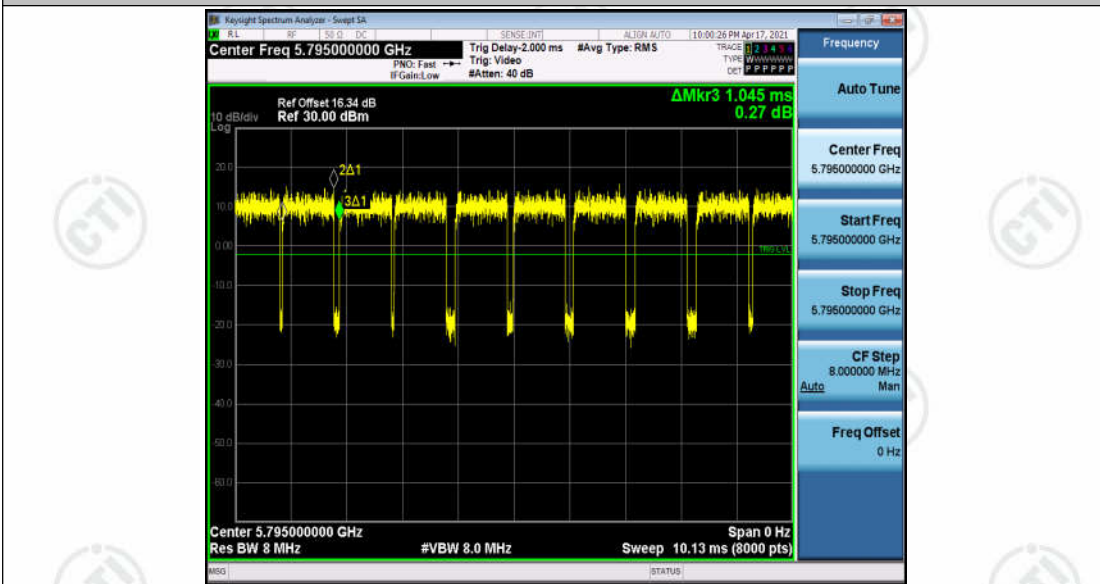
11N20SISO_Ant1_5785



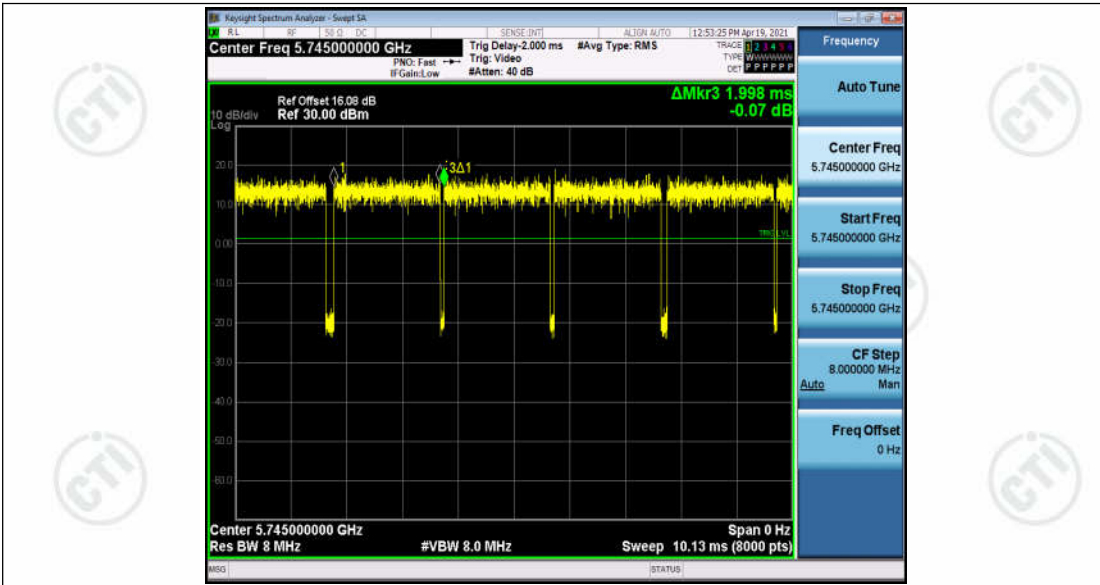
11N20SISO_Ant1_5825



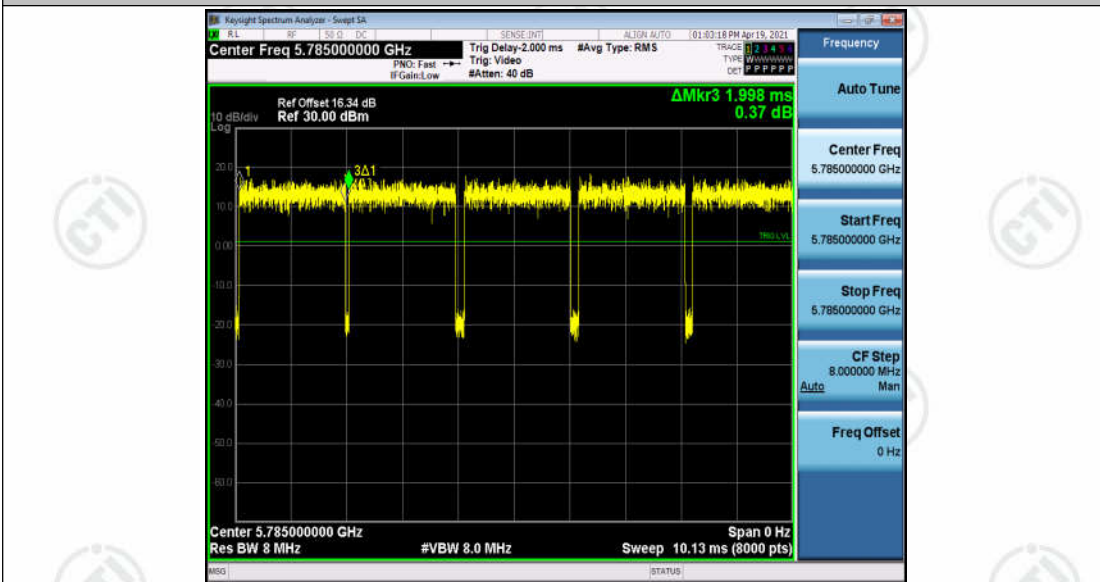
11N40SISO_Ant1_5755



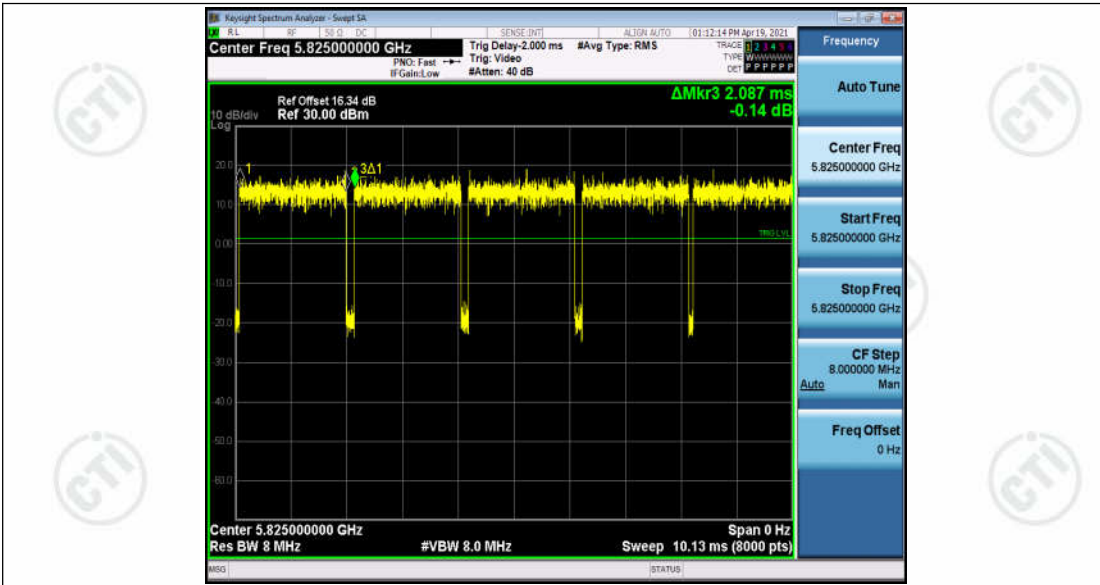
11N40SISO_Ant1_5795



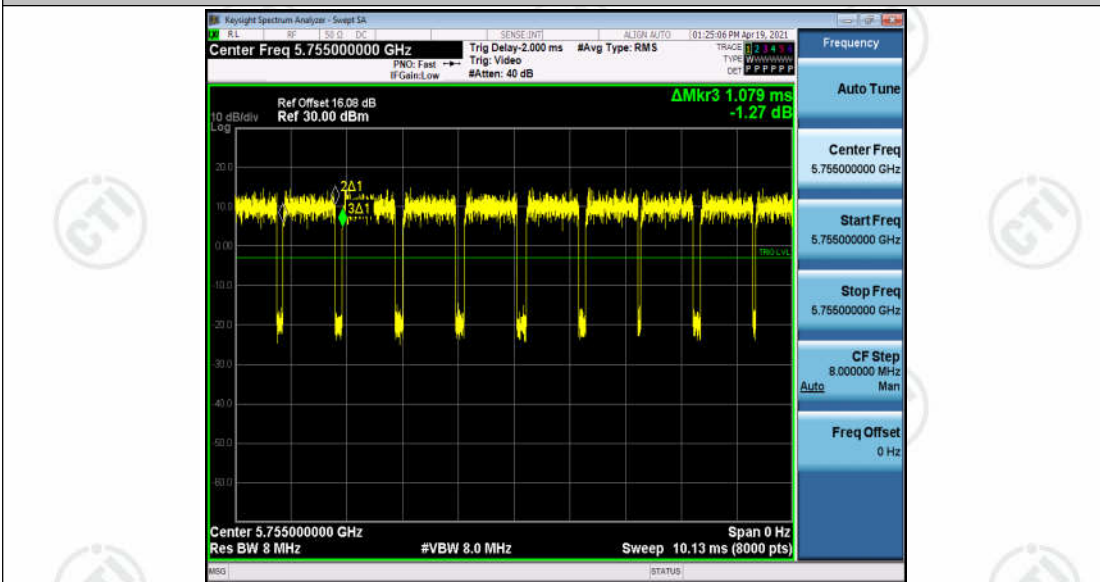
11AC20SISO_Ant1_5745



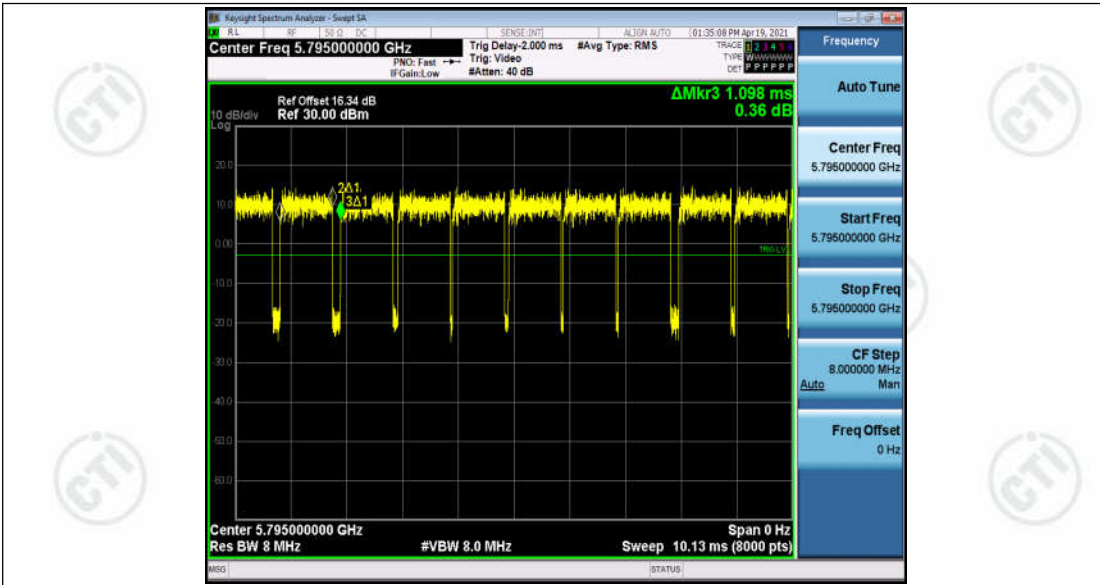
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

*** End of Report ***