



Appendix E

RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: TABLET

Test Model: TBA

Environmental Conditions

Temperature:	25° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



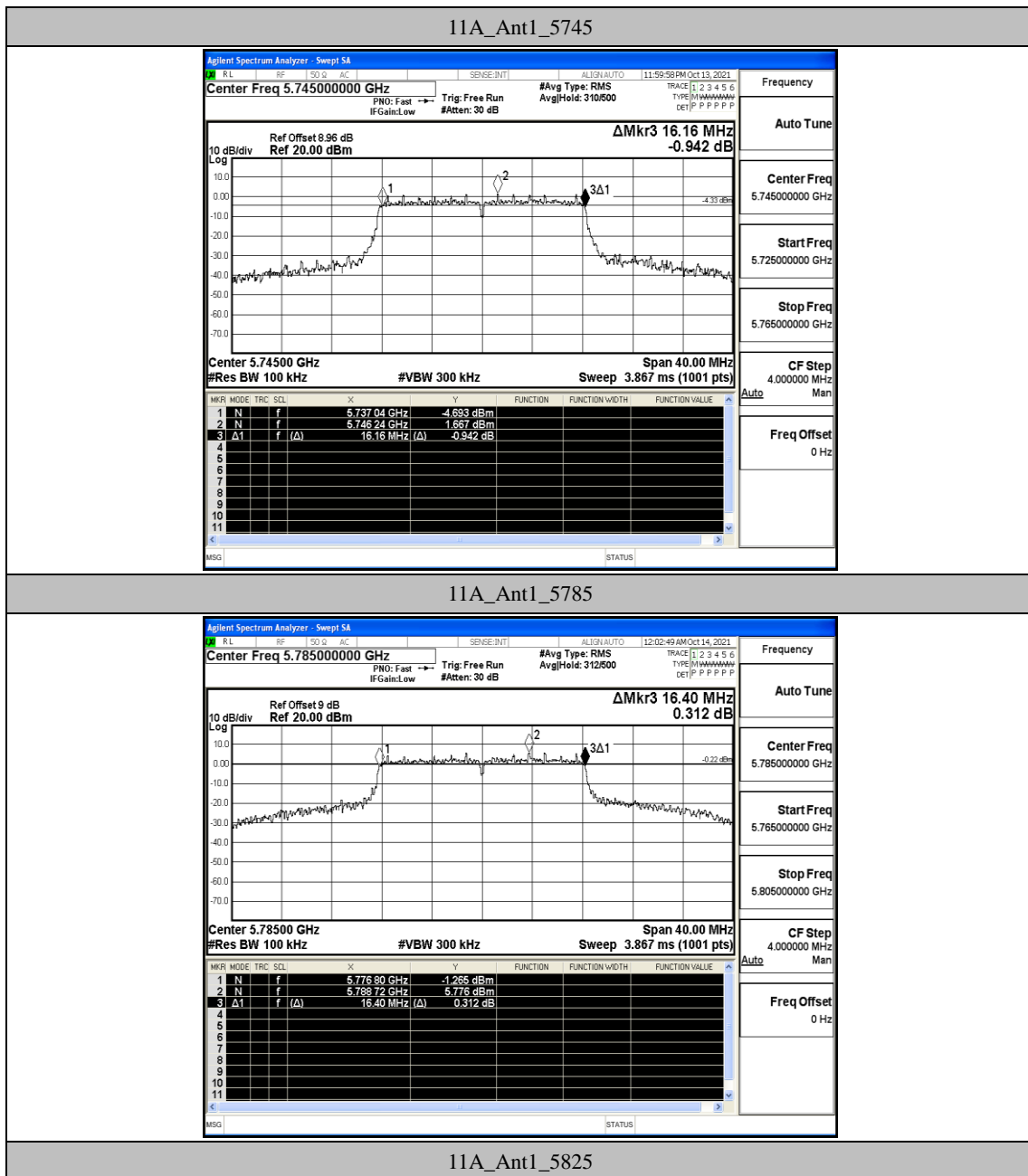
E.1 6dB bandwidth

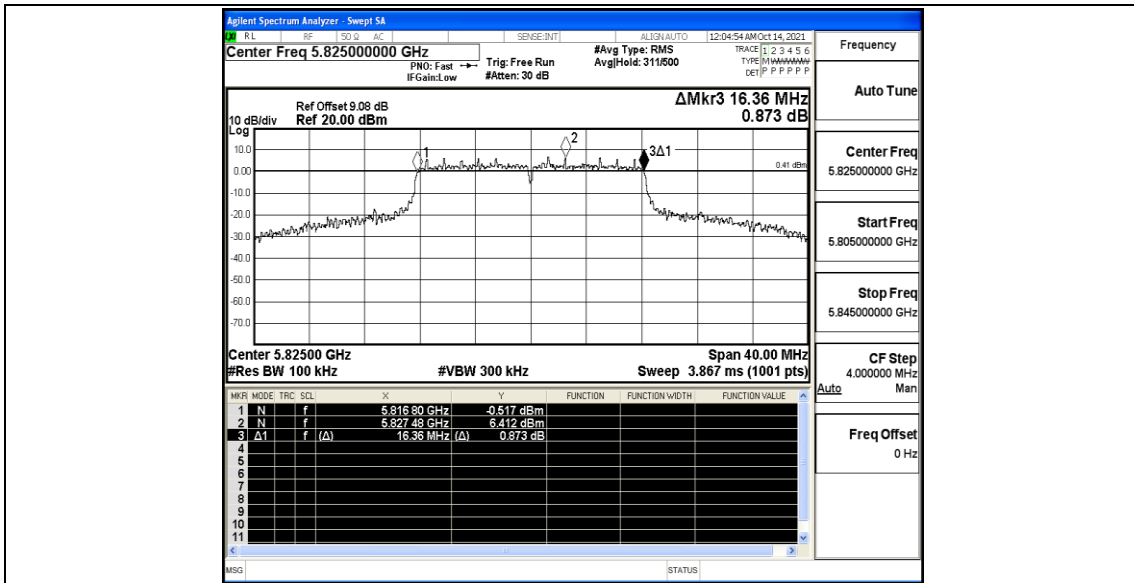
Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.160	5737.040	5753.200	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.400	5736.400	5753.800	0.5	PASS
		5785	17.240	5776.560	5793.800	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11N40SISO	Ant1	5755	35.280	5737.320	5772.600	0.5	PASS
		5795	35.440	5777.400	5812.840	0.5	PASS
11AC20SISO	Ant1	5745	17.280	5736.520	5753.800	0.5	PASS
		5785	17.360	5776.440	5793.800	0.5	PASS
		5825	17.360	5816.440	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.280	5777.320	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	74.240	5738.520	5812.760	0.5	PASS

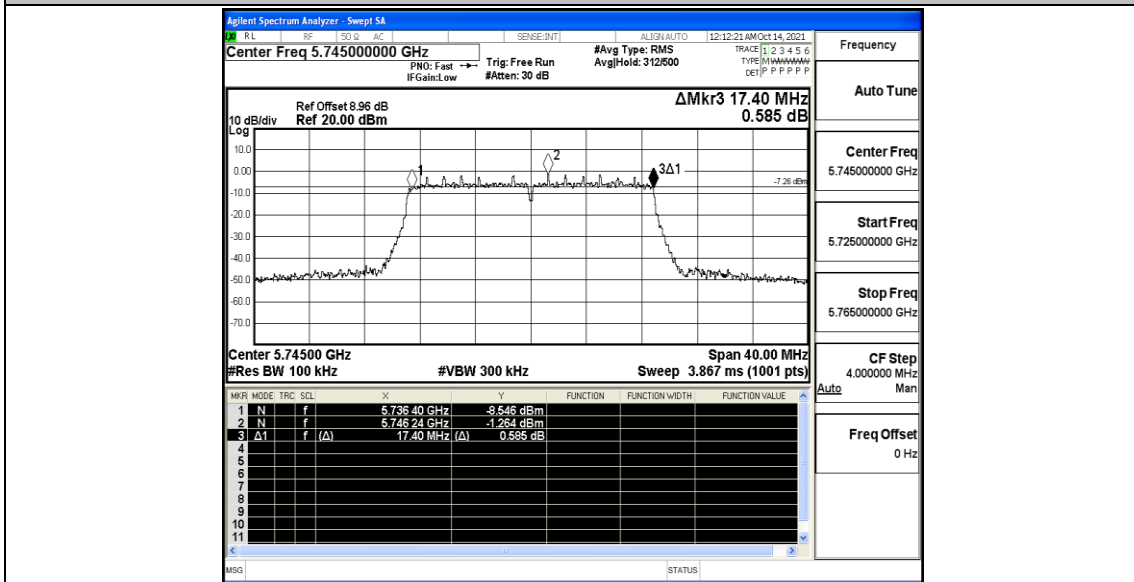


Test Graphs

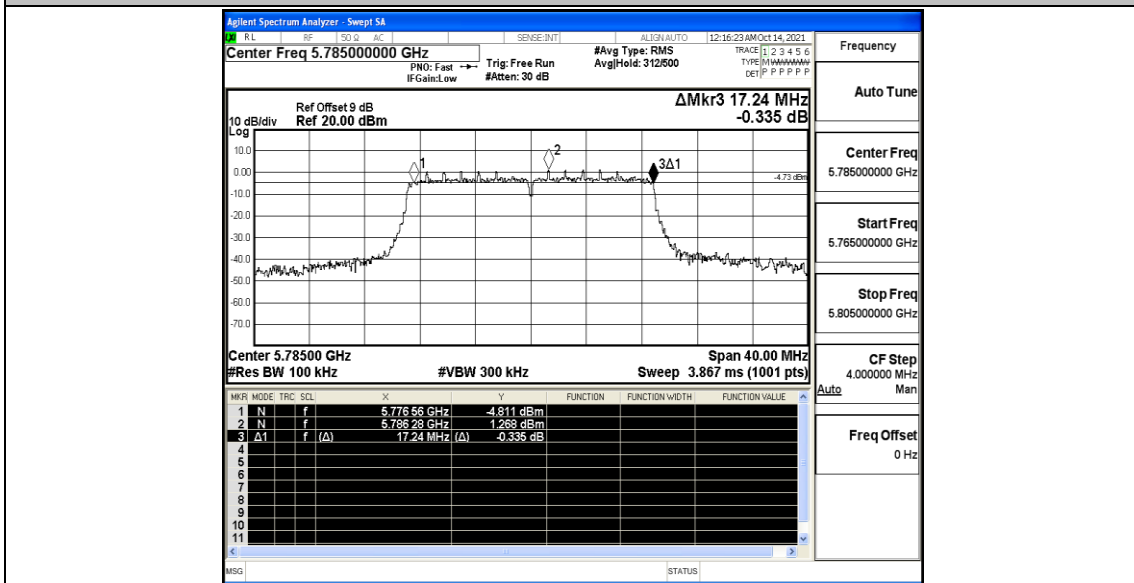




11N20SISO_Ant1_5745

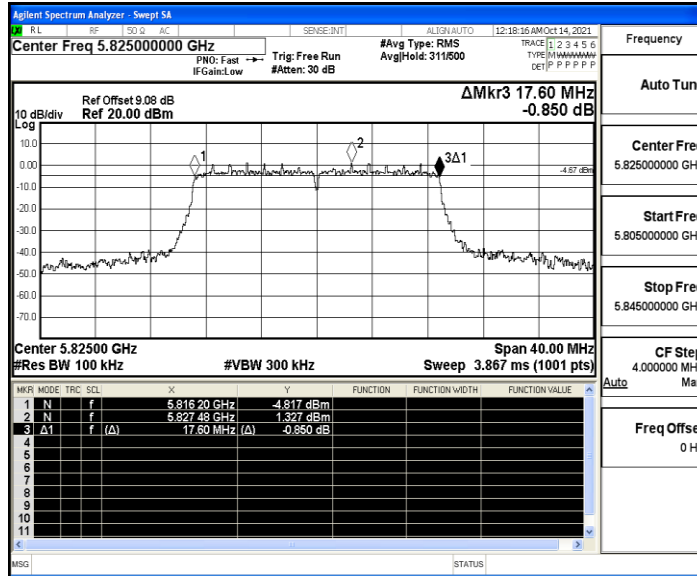


11N20SISO_Ant1_5785

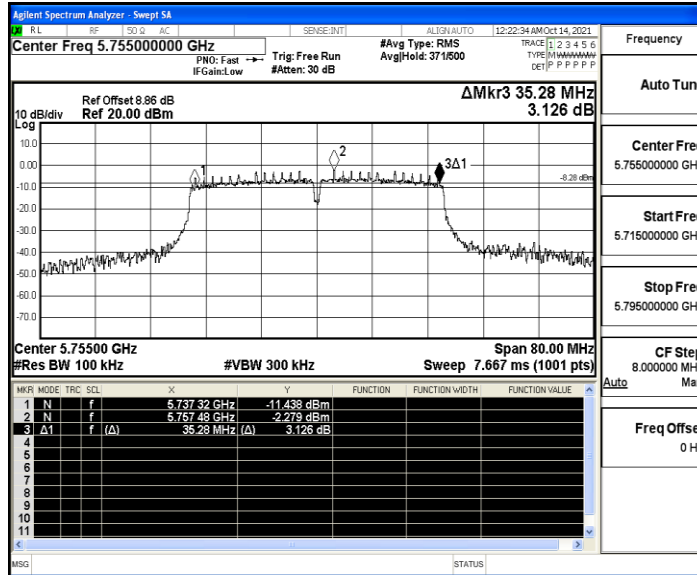




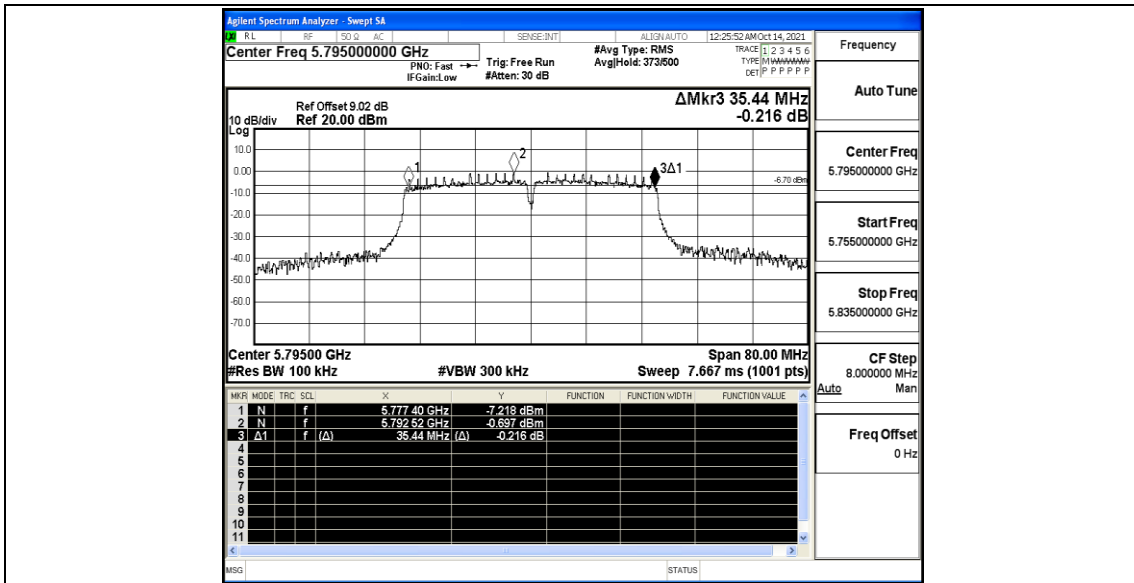
11N20SISO_Ant1_5825



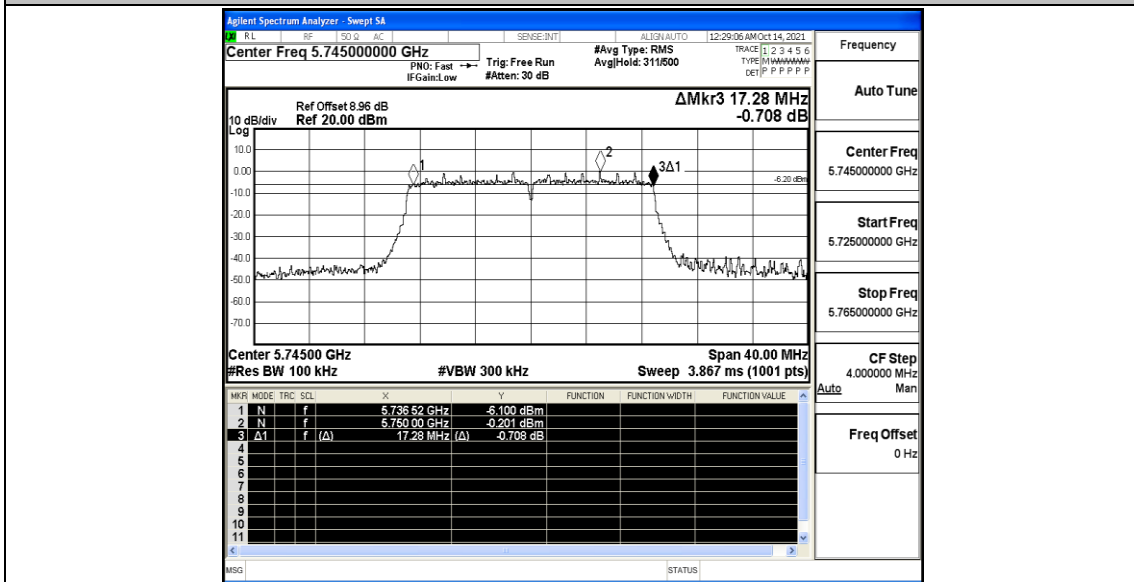
11N40SISO_Ant1_5755



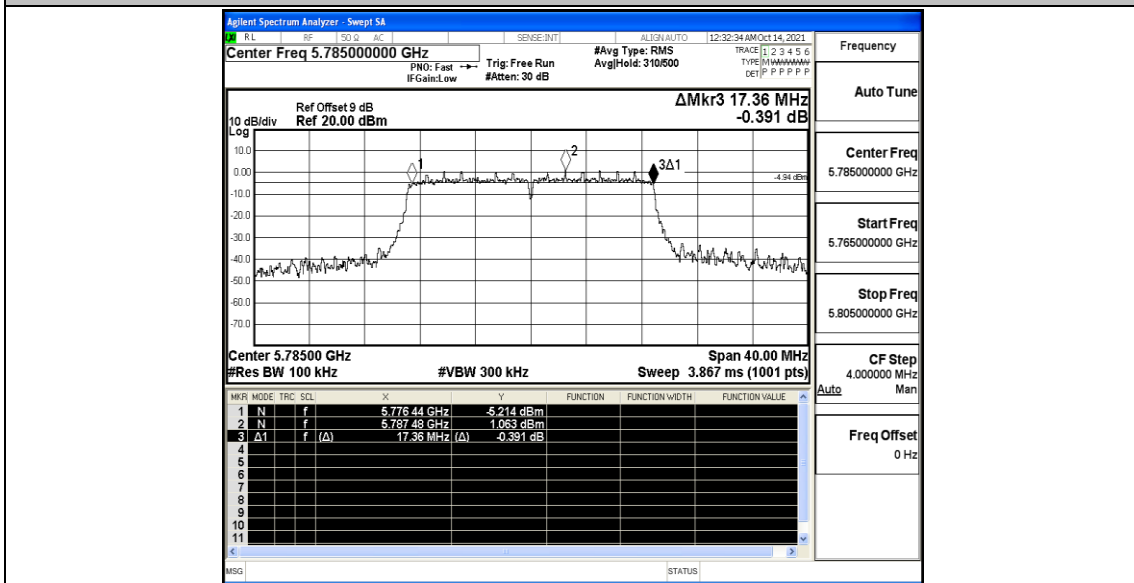
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745

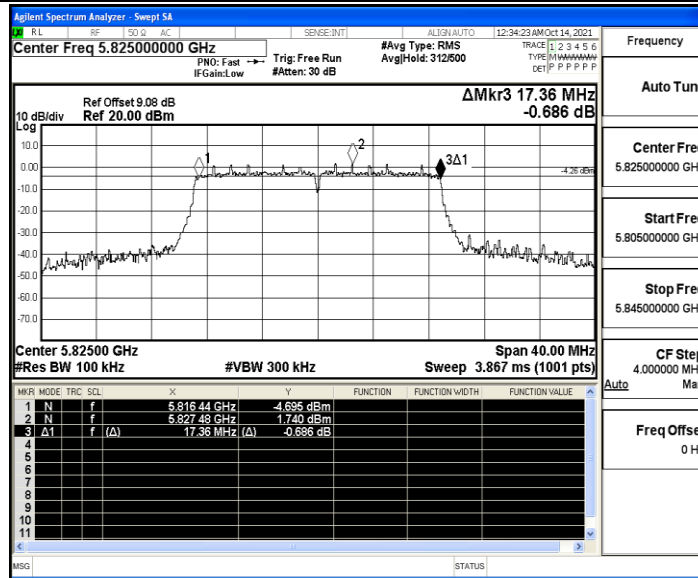


11AC20SISO_Ant1_5785

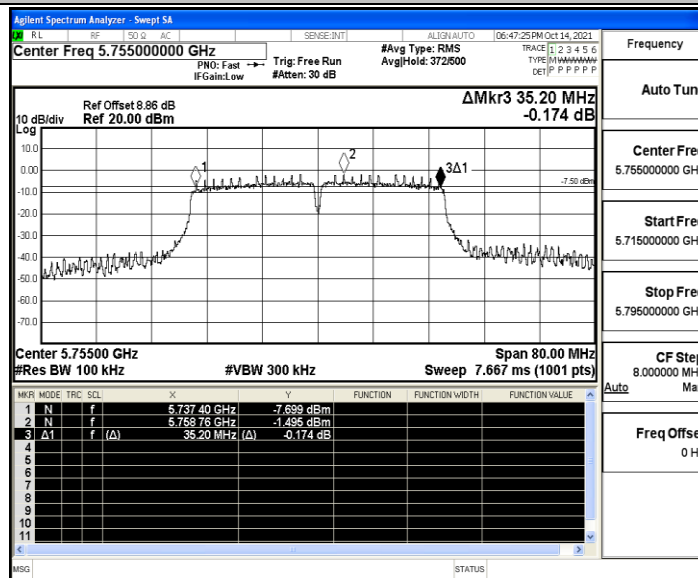




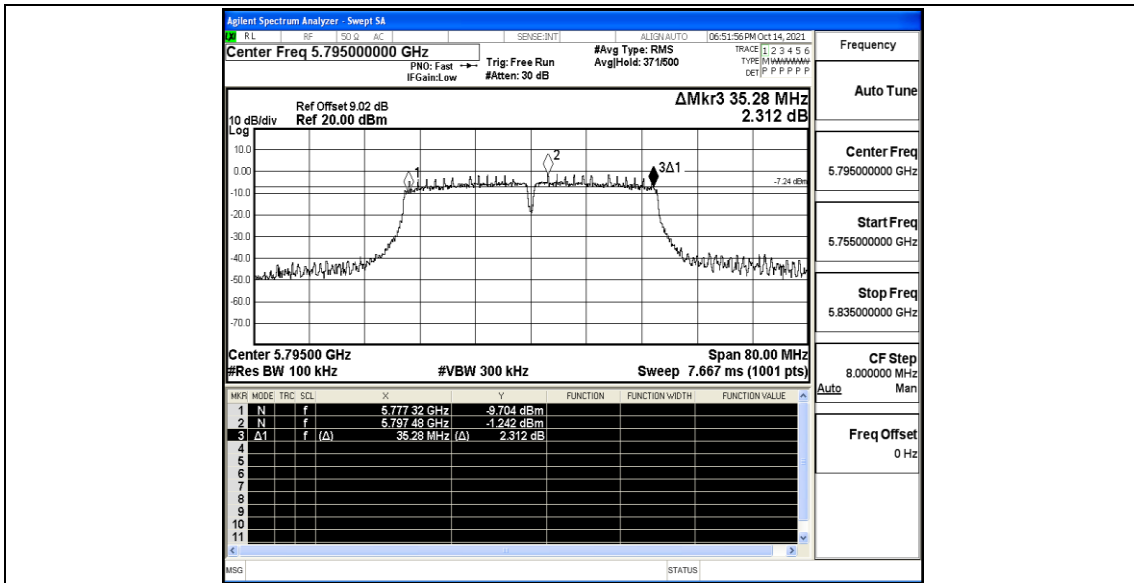
11AC20SISO_Ant1_5825



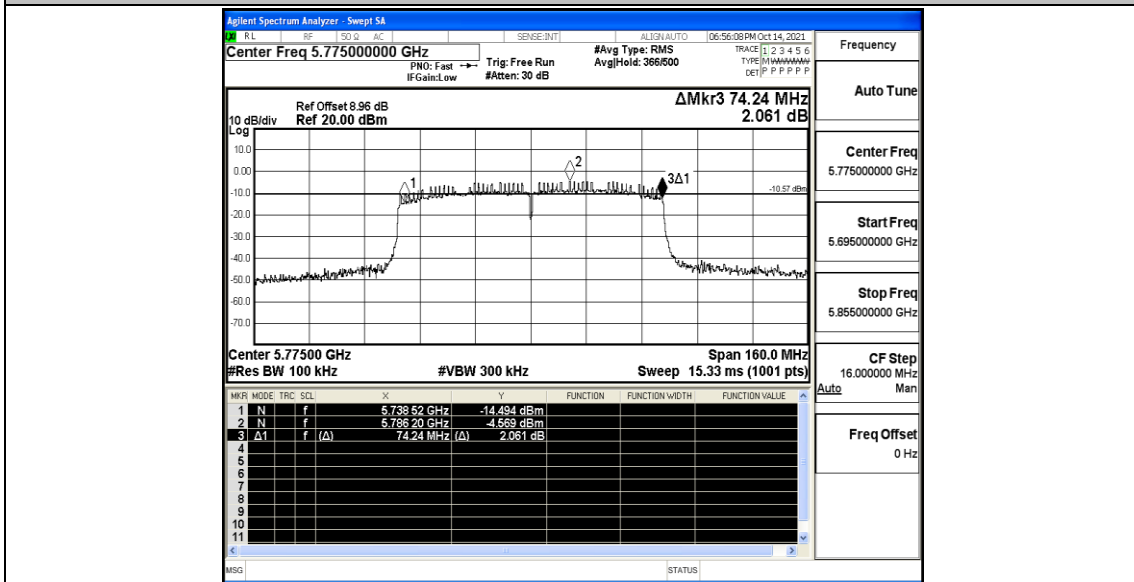
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775





E.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	12.57	≤30	PASS
		5785	12.89	≤30	PASS
		5825	12.57	≤30	PASS
11N20SISO	Ant1	5745	9.79	≤30	PASS
		5785	12.46	≤30	PASS
		5825	12.64	≤30	PASS
11N40SISO	Ant1	5755	11.31	≤30	PASS
		5795	13.48	≤30	PASS
11AC20SISO	Ant1	5745	10.88	≤30	PASS
		5785	12.26	≤30	PASS
		5825	13.28	≤30	PASS
11AC40SISO	Ant1	5755	12.28	≤30	PASS
		5795	12.82	≤30	PASS
11AC80SISO	Ant1	5775	12.05	≤30	PASS

Note: The Duty Cycle Factor is compensated in the graph.



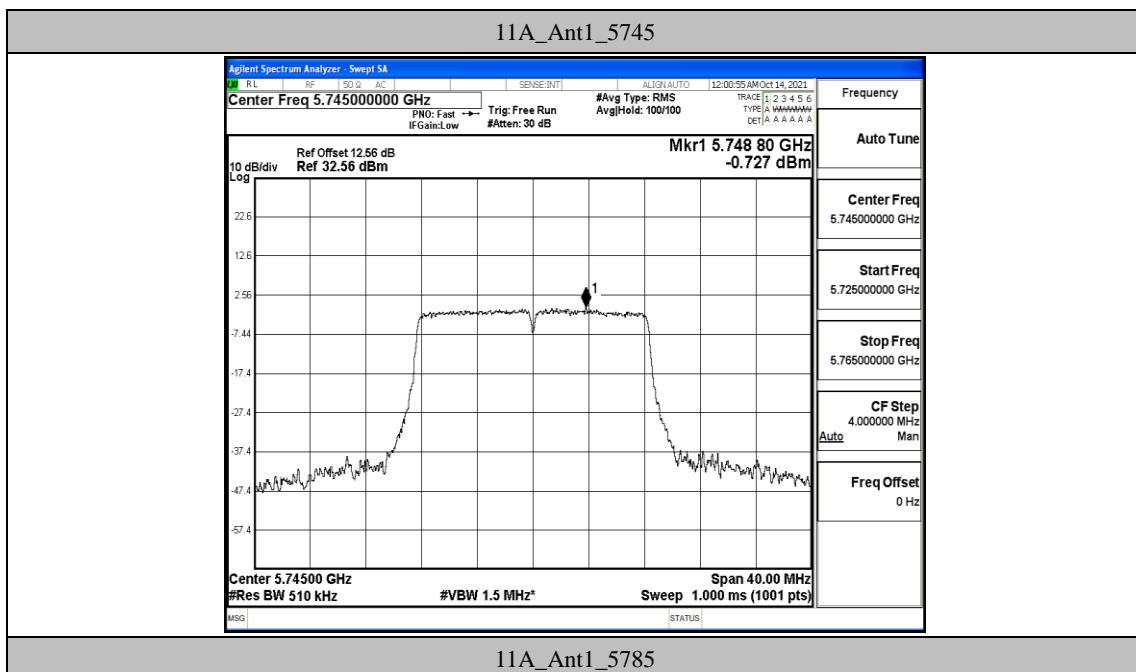
E.3 Maximum power spectral density

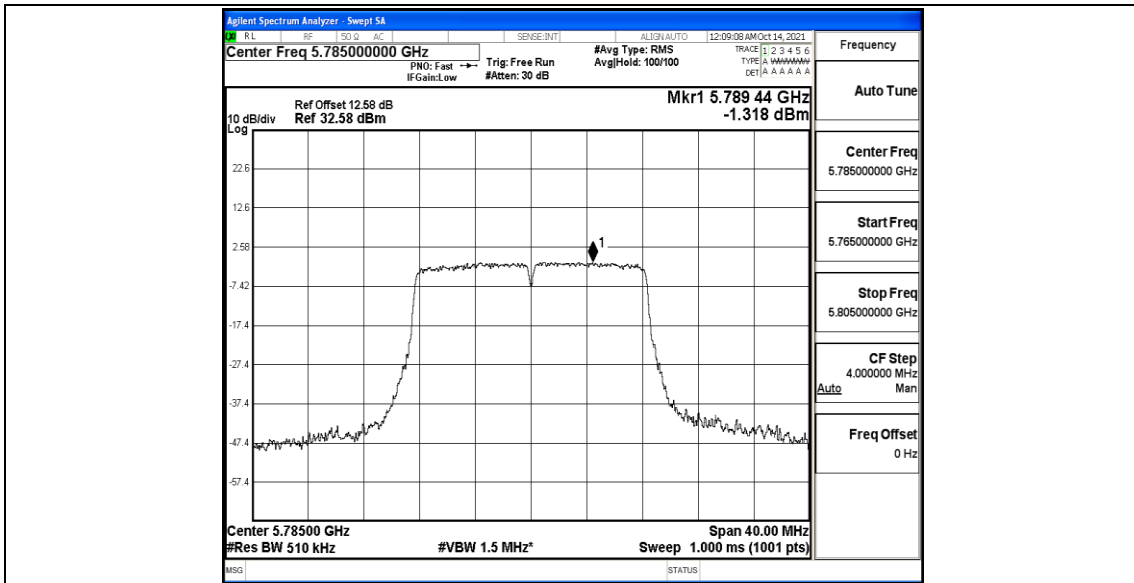
Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/500KHz]	Verdict
11A	Ant1	5745	-0.73	≤30	PASS
		5785	-1.32	≤30	PASS
		5825	-1.34	≤30	PASS
11N20SISO	Ant1	5745	-4.13	≤30	PASS
		5785	-1.36	≤30	PASS
		5825	-1.67	≤30	PASS
11N40SISO	Ant1	5755	-5.06	≤30	PASS
		5795	-3.28	≤30	PASS
11AC20SISO	Ant1	5745	-3.05	≤30	PASS
		5785	-1.9	≤30	PASS
		5825	-1.14	≤30	PASS
11AC40SISO	Ant1	5755	-4.34	≤30	PASS
		5795	-3.77	≤30	PASS
11AC80SISO	Ant1	5775	-7.35	≤30	PASS

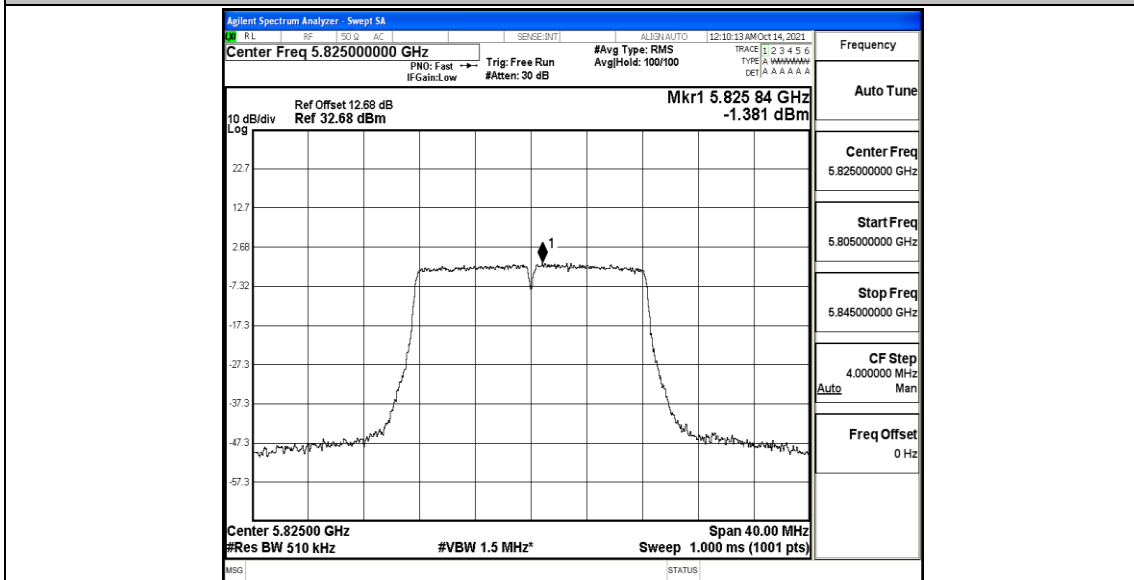
Note: 1.The Duty Cycle Factor is compensated in the graph.

Test Graphs

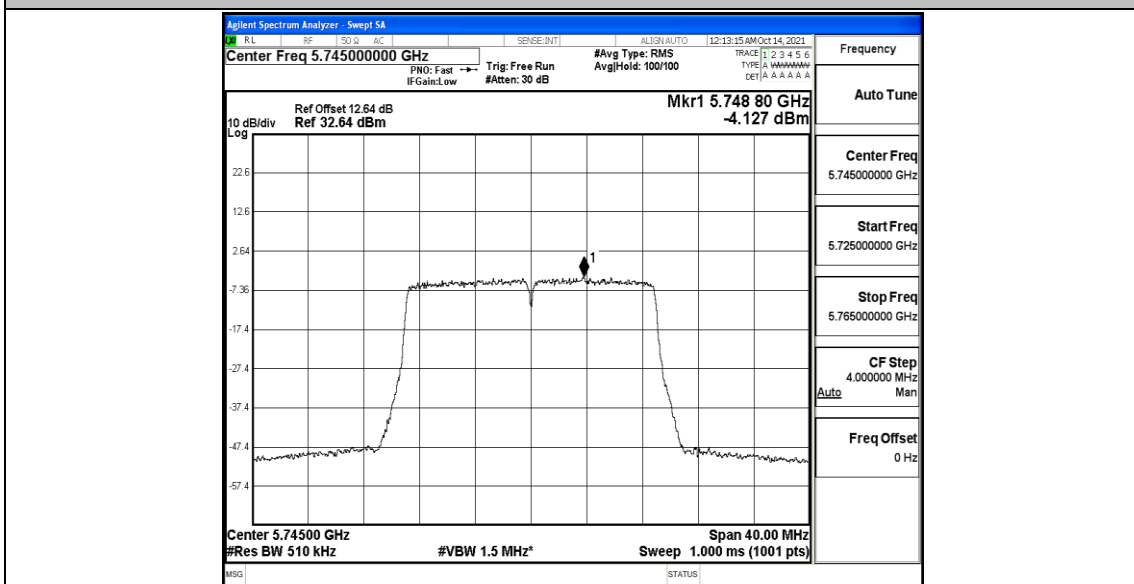




11A_Ant1_5825

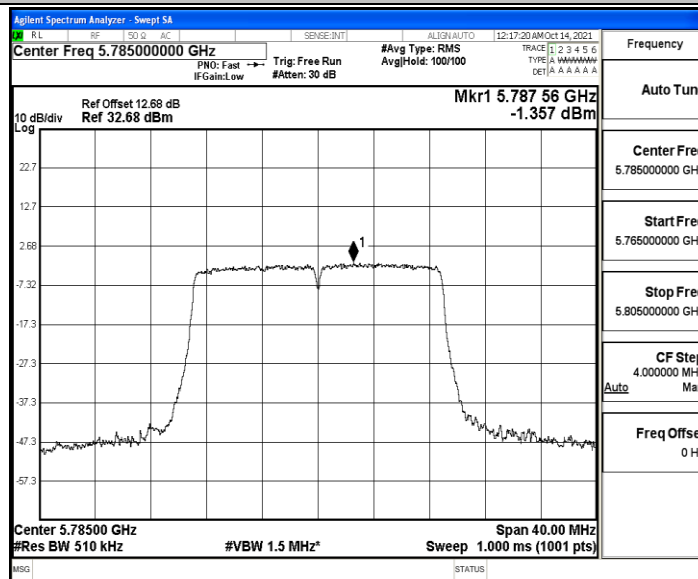


11N20SISO_Ant1_5745

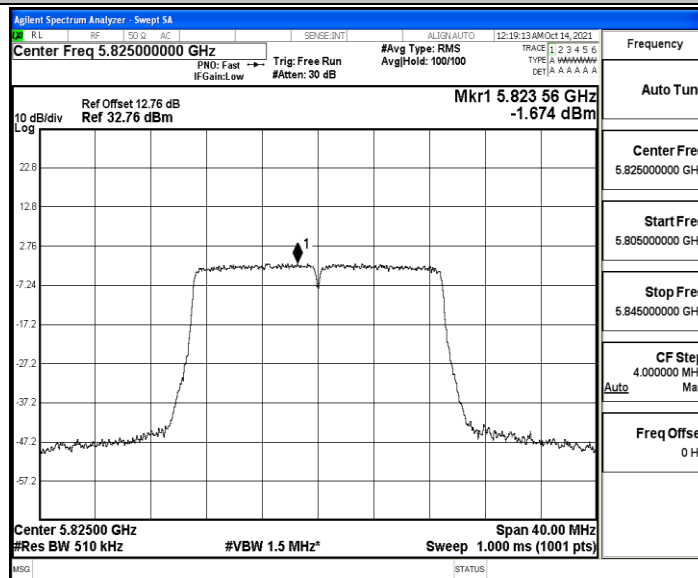




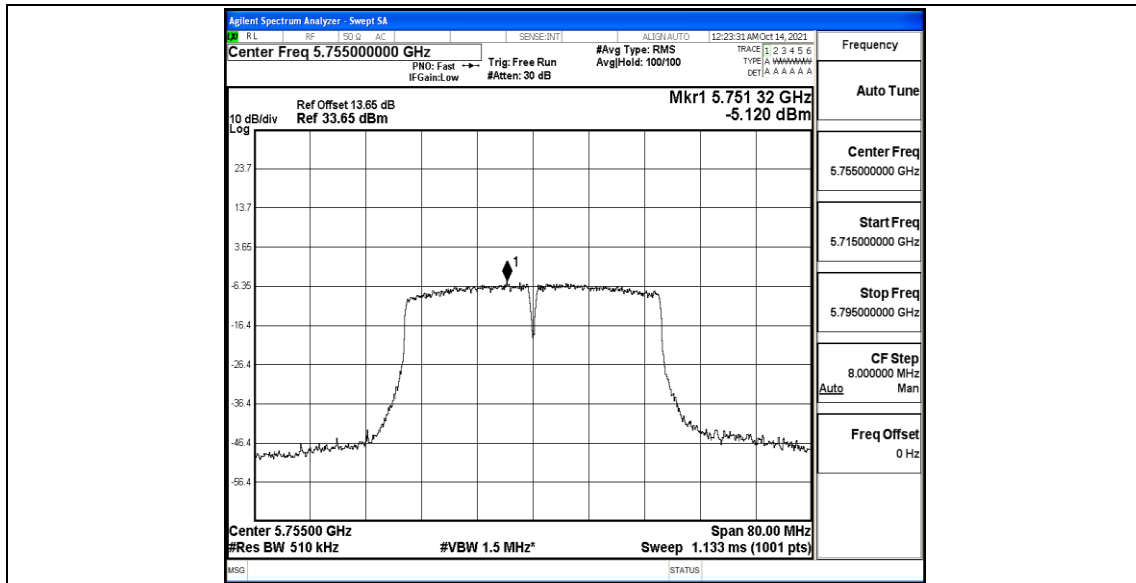
11N20SISO_Ant1_5785



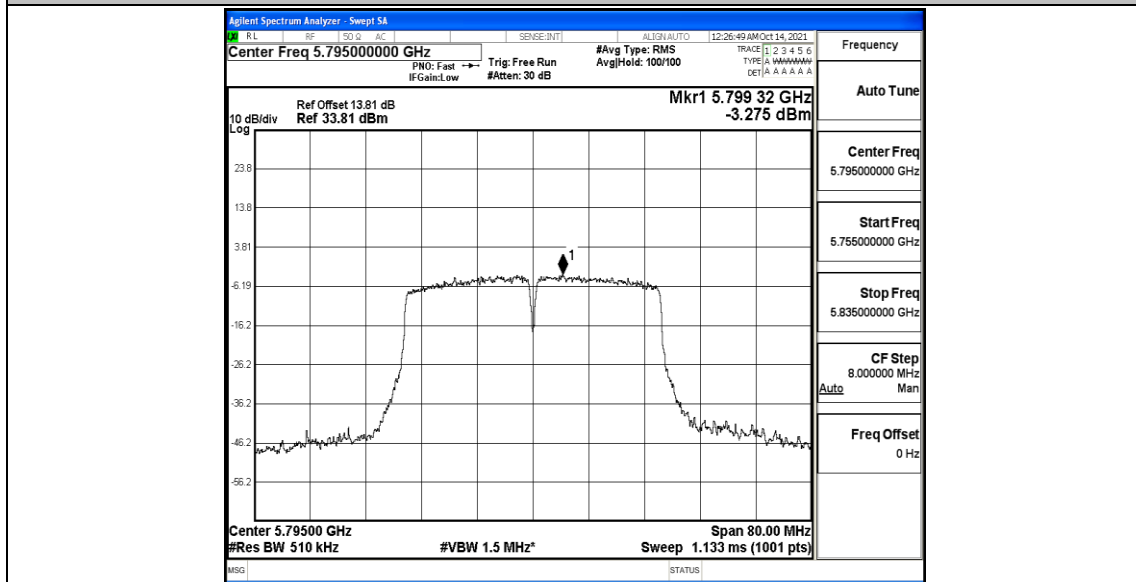
11N20SISO_Ant1_5825



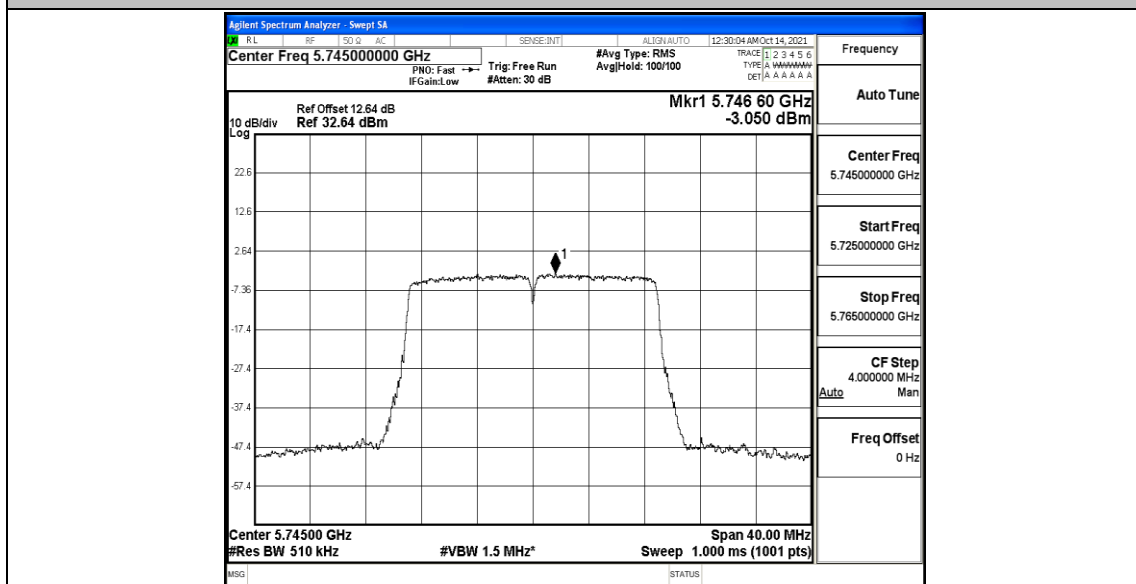
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

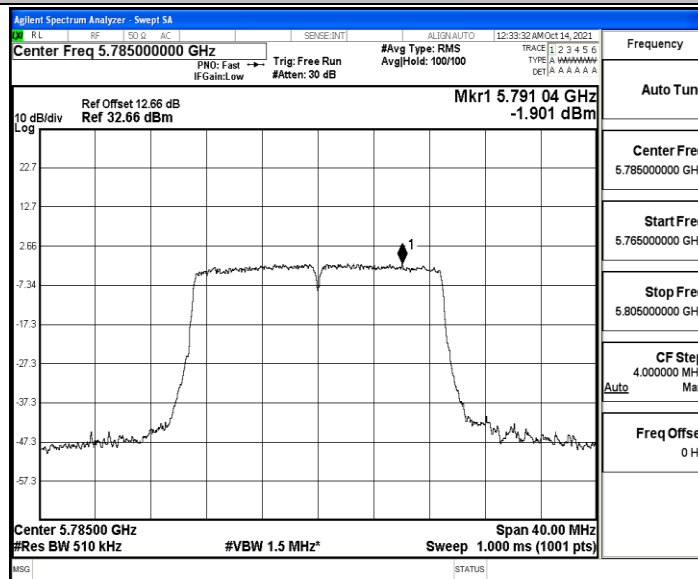


11AC20SISO_Ant1_5745

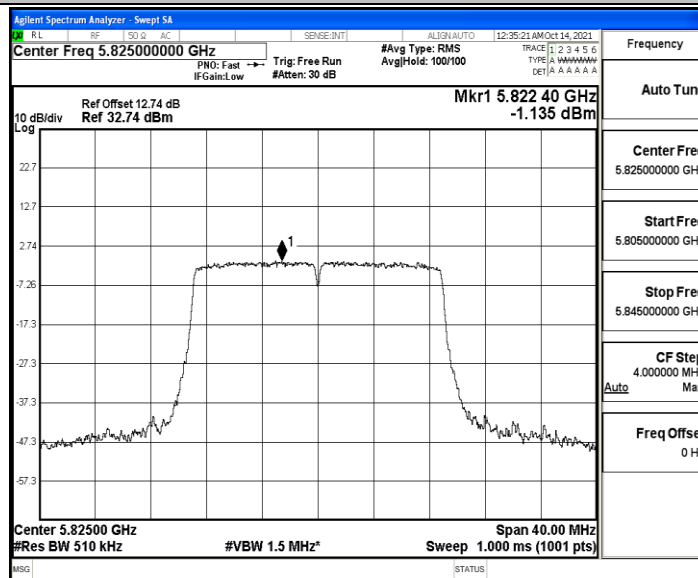




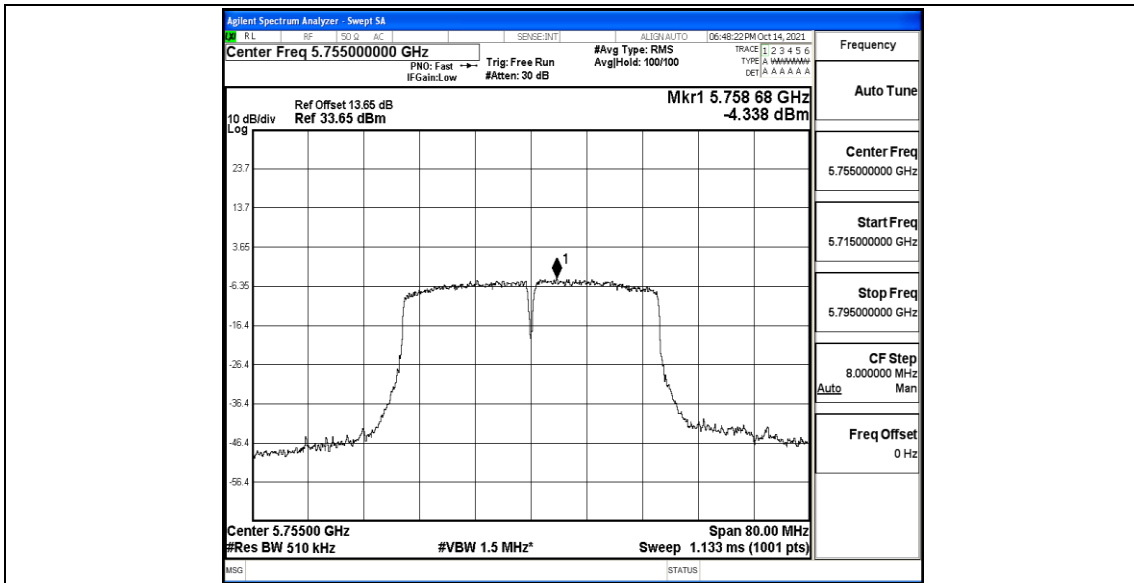
11AC20SISO_Ant1_5785



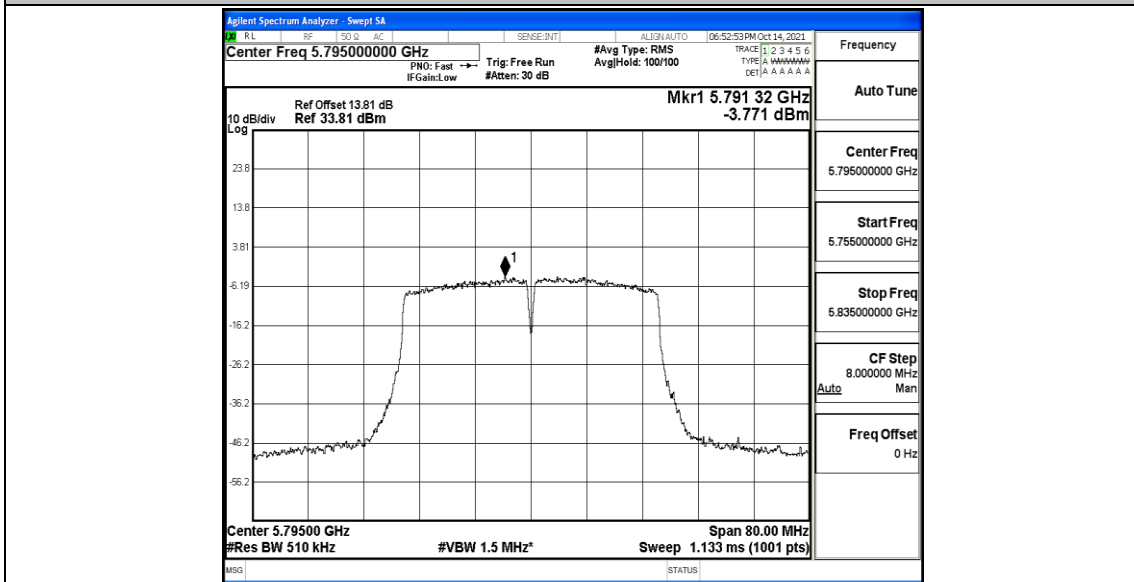
11AC20SISO_Ant1_5825



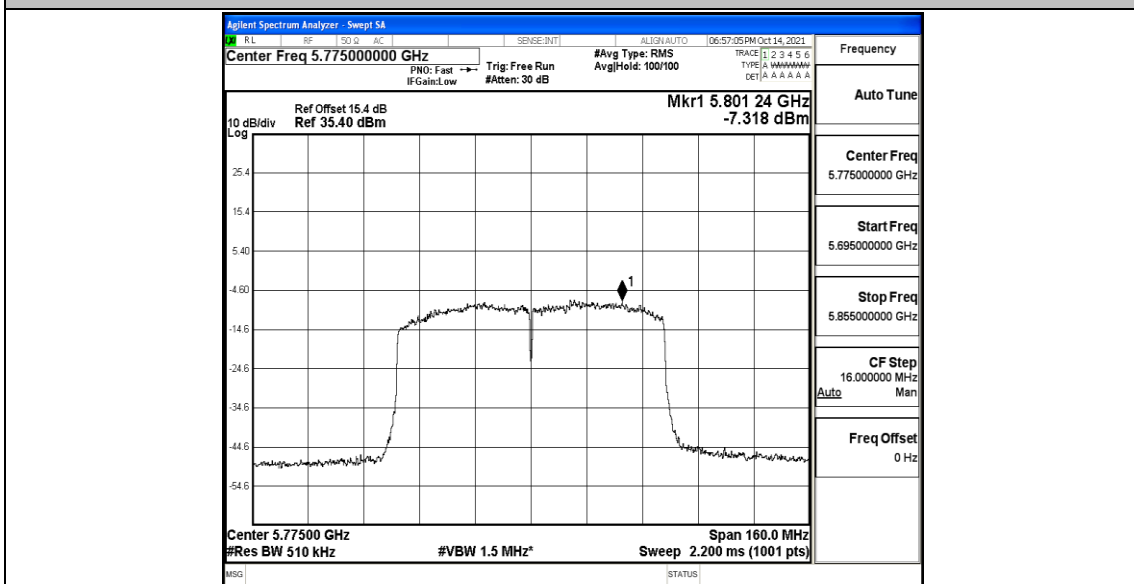
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775





E.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBUV/m]	Limit [dBUV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-38.735	≤-27.00	---	---	PASS
				Peak	5700.000	-40.35	≤10.00	---	---	PASS
				Peak	5720.000	-37.69	≤15.60	---	---	PASS
				Peak	5725.000	-27.19	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-22.003	≤15.60	---	---	PASS
				Peak	5855.000	-29.17	≤27.00	---	---	PASS
				Peak	5875.000	-38	≤15.60	---	---	PASS
				Peak	5925.000	-38.71	≤10.00	---	---	PASS
11N20SIS O	Ant1	Low	5745	Peak	5650.000	-39.409	≤-27.00	---	---	PASS
				Peak	5700.000	-41.88	≤10.00	---	---	PASS
				Peak	5720.000	-41.16	≤15.60	---	---	PASS
				Peak	5725.000	-39.24	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-39.202	≤15.60	---	---	PASS
				Peak	5855.000	-39.98	≤27.00	---	---	PASS
				Peak	5875.000	-40.18	≤15.60	---	---	PASS
				Peak	5925.000	-40.49	≤10.00	---	---	PASS
11N40SIS O	Ant1	Low	5755	Peak	5650.000	-40.278	≤-27.00	---	---	PASS
				Peak	5700.000	-41.64	≤10.00	---	---	PASS
				Peak	5720.000	-36.77	≤15.60	---	---	PASS
				Peak	5725.000	-35.29	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-38.901	≤15.60	---	---	PASS
				Peak	5855.000	-39.21	≤27.00	---	---	PASS
				Peak	5875.000	-40.06	≤15.60	---	---	PASS
				Peak	5925.000	-40.23	≤10.00	---	---	PASS
11AC20SI SO	Ant1	Low	5745	Peak	5650.000	-39.219	≤-27.00	---	---	PASS
				Peak	5700.000	-40.88	≤10.00	---	---	PASS
				Peak	5720.000	-37.98	≤15.60	---	---	PASS
				Peak	5725.000	-33.22	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-38.972	≤15.60	---	---	PASS
				Peak	5855.000	-39.81	≤27.00	---	---	PASS
				Peak	5875.000	-40.04	≤15.60	---	---	PASS
				Peak	5925.000	-41.73	≤10.00	---	---	PASS
11AC40SI SO	Ant1	Low	5755	Peak	5650.000	-39.27	≤-27.00	---	---	PASS
				Peak	5700.000	-40.97	≤10.00	---	---	PASS
				Peak	5720.000	-37.72	≤15.60	---	---	PASS
				Peak	5725.000	-33.78	≤27.00	---	---	PASS



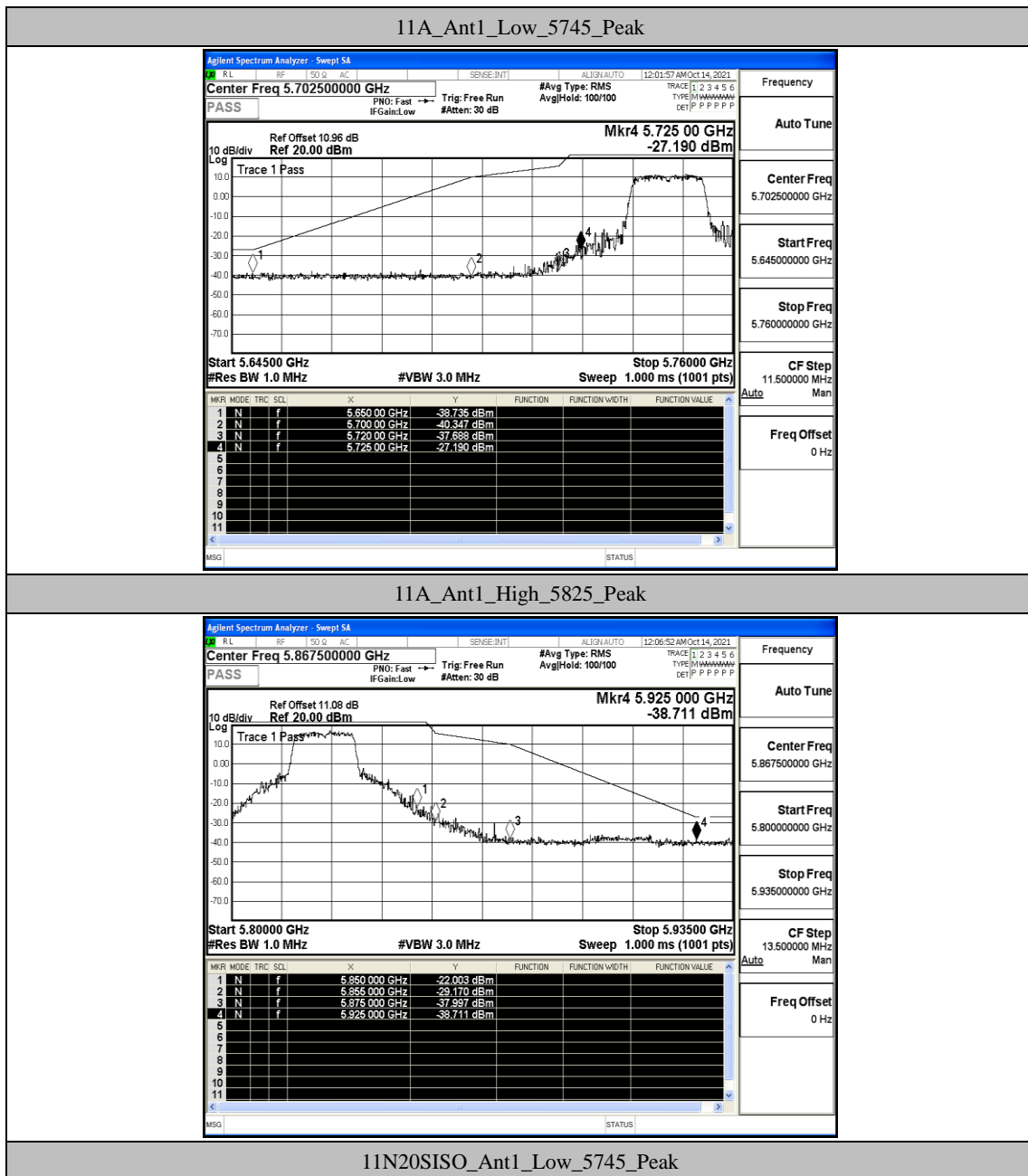
		High	5795	Peak	5850.000	-40.007	≤ 15.60	---	---	PASS
				Peak	5855.000	-38.99	≤ 27.00	---	---	PASS
				Peak	5875.000	-39.43	≤ 15.60	---	---	PASS
				Peak	5925.000	-41.22	≤ 10.00	---	---	PASS
11AC80SI SO	Ant1	Low	5775	Peak	5650.000	-41.032	≤ -27.00	---	---	PASS
				Peak	5700.000	-37.33	≤ 10.00	---	---	PASS
				Peak	5720.000	-38.05	≤ 15.60	---	---	PASS
				Peak	5725.000	-27.99	≤ 27.00	---	---	PASS
		High	5775	Peak	5850.000	-32.634	≤ 15.60	---	---	PASS
				Peak	5855.000	-38.53	≤ 27.00	---	---	PASS
				Peak	5875.000	-39.14	≤ 15.60	---	---	PASS
				Peak	5925.000	-40.15	≤ 10.00	---	---	PASS

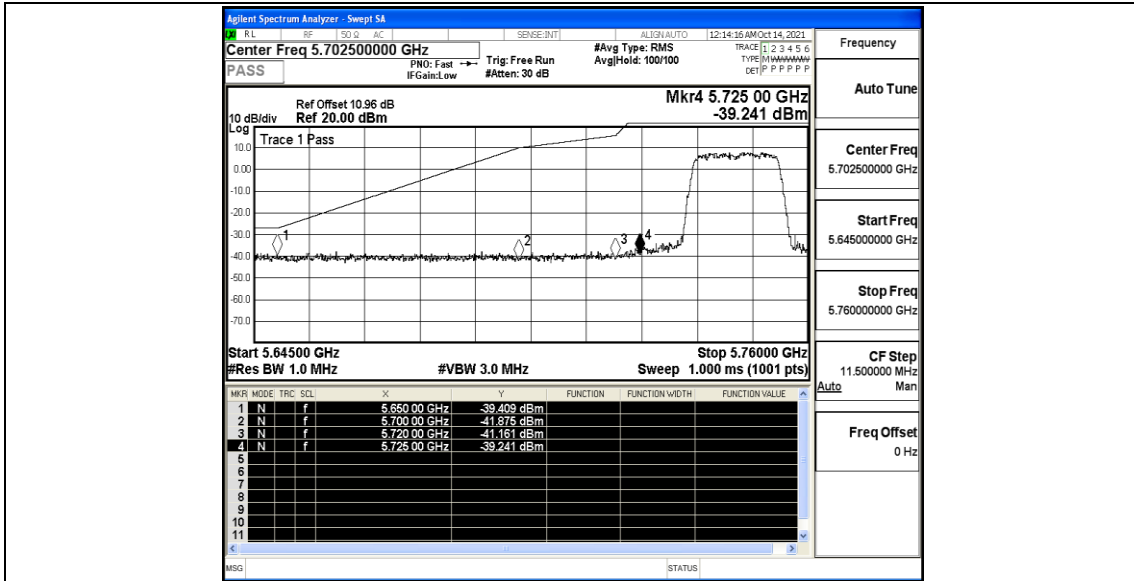
Note:

1. The Antenna Gain is compensated in the graph.

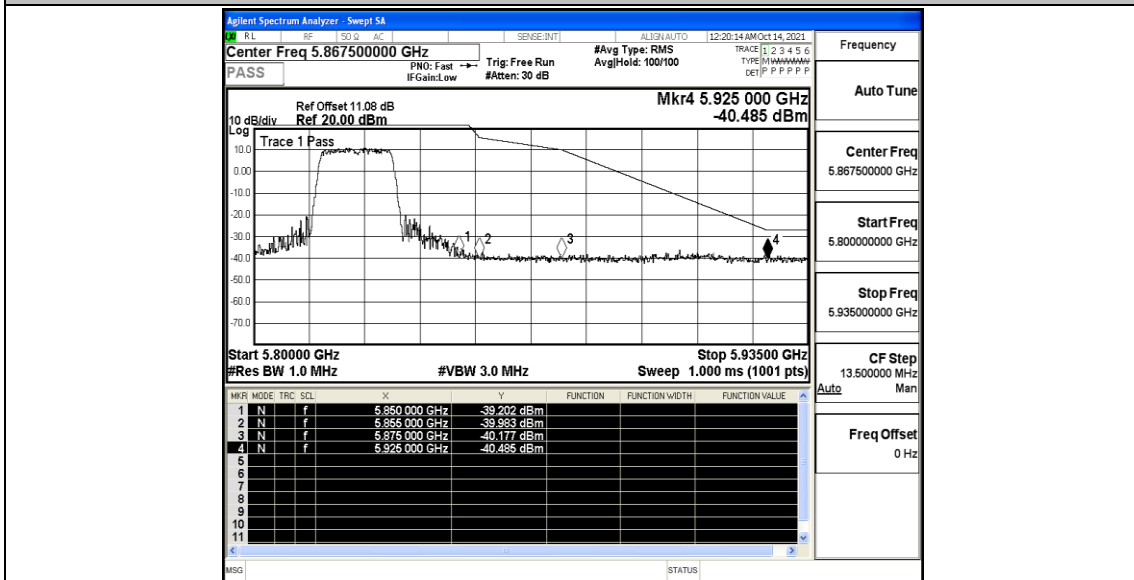


Test Graphs

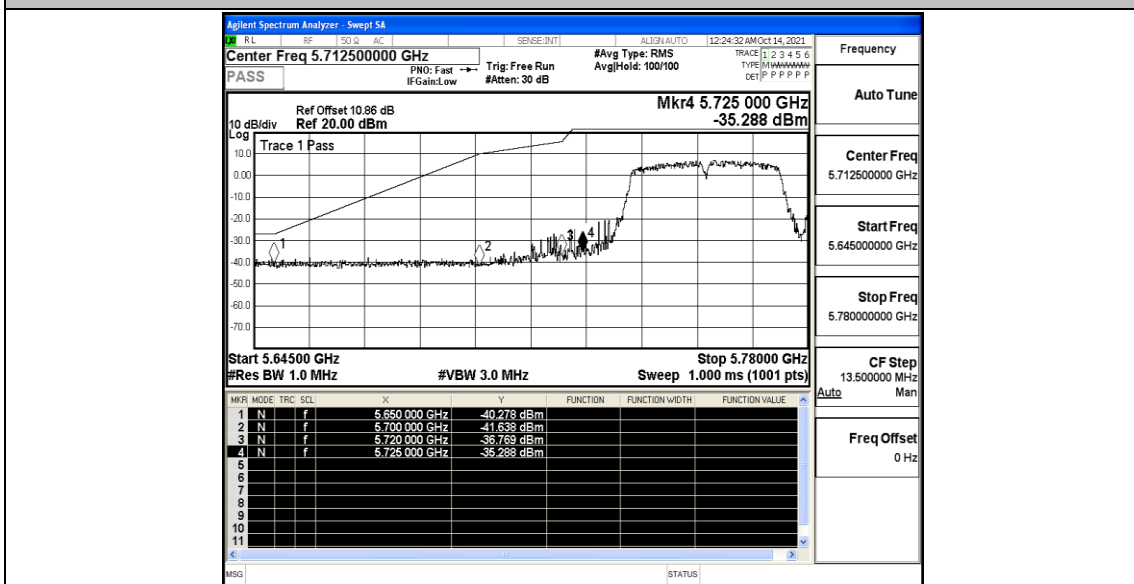




11N20SISO_Ant1_High_5825_Peak

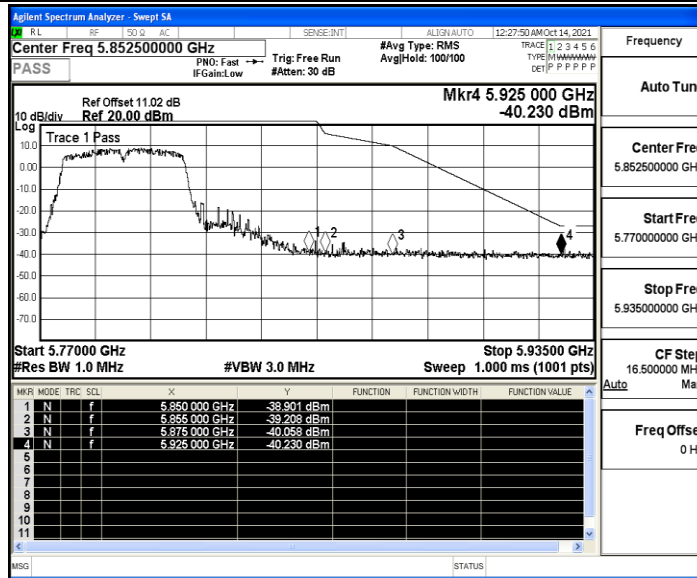


11N40SISO_Ant1_Low_5755_Peak

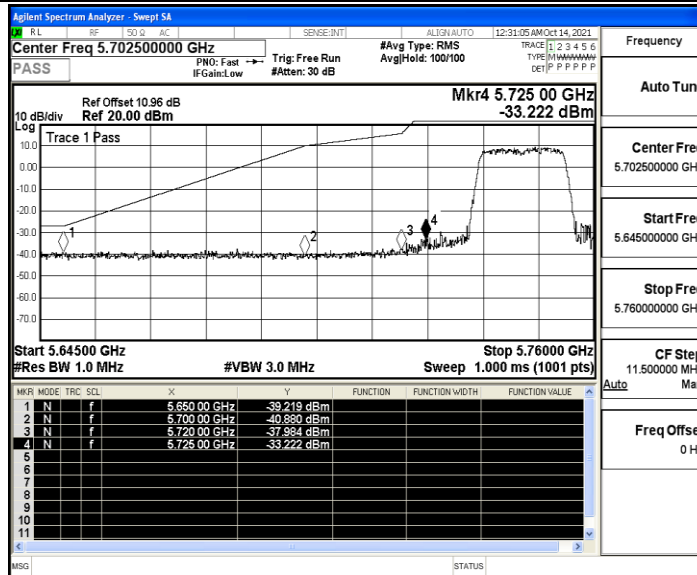




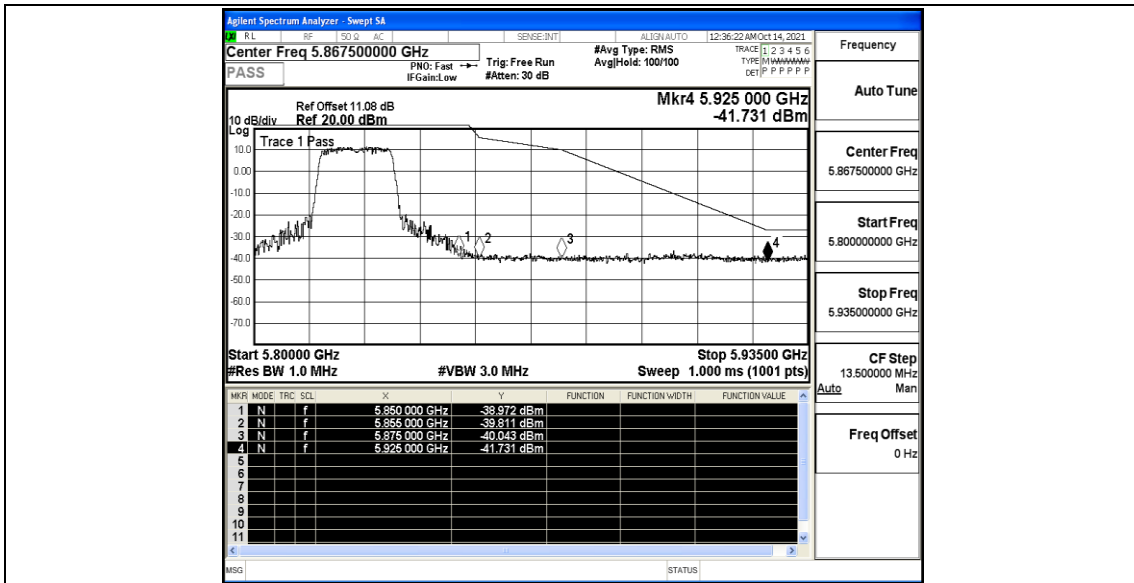
11N40SISO_Ant1_High_5795_Peak



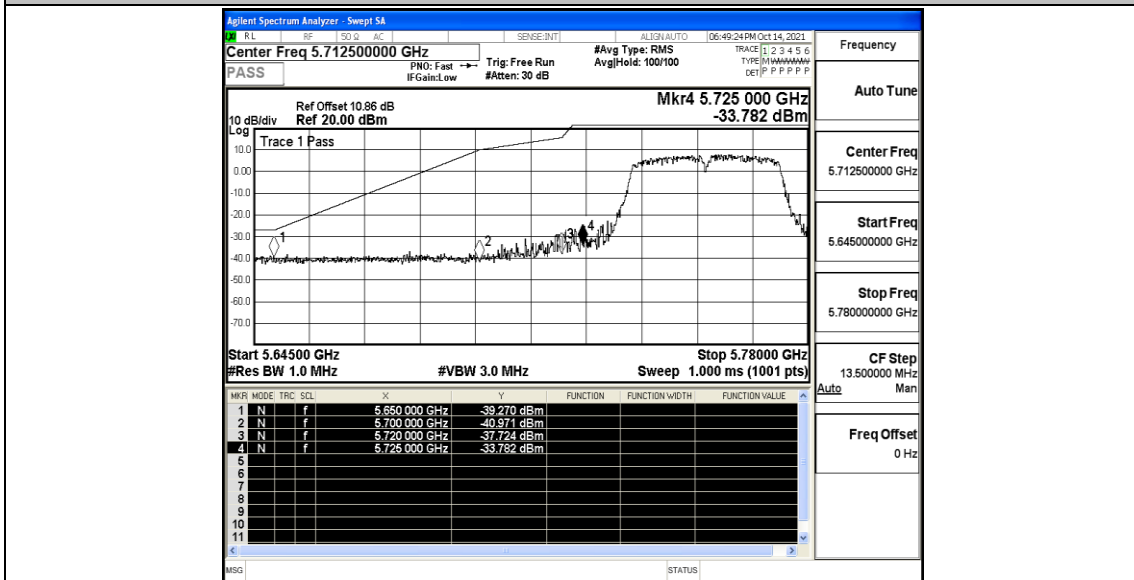
11AC20SISO_Ant1_Low_5745_Peak



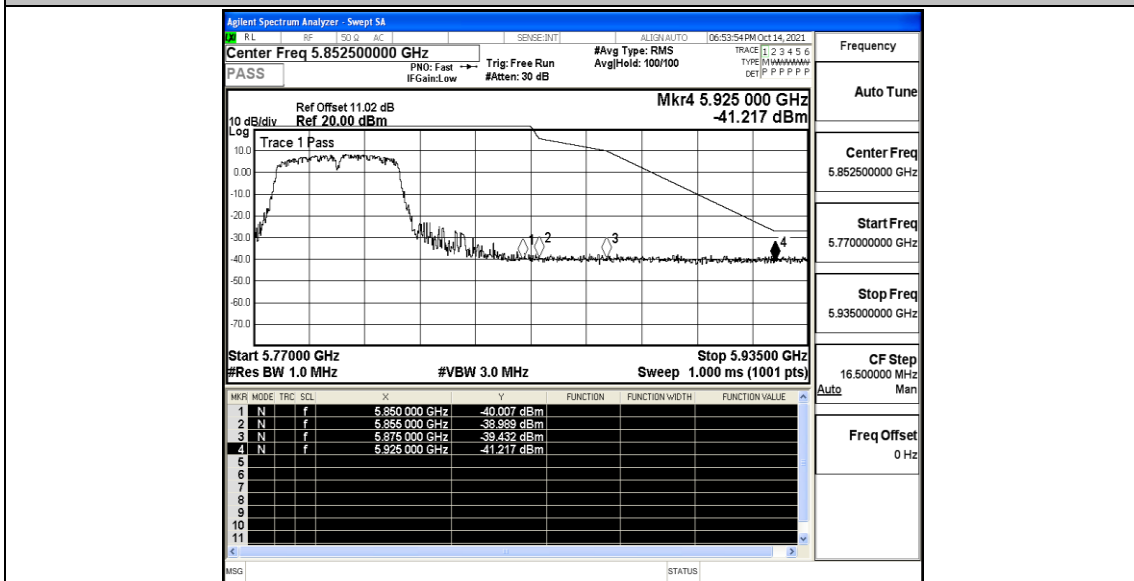
11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5755_Peak

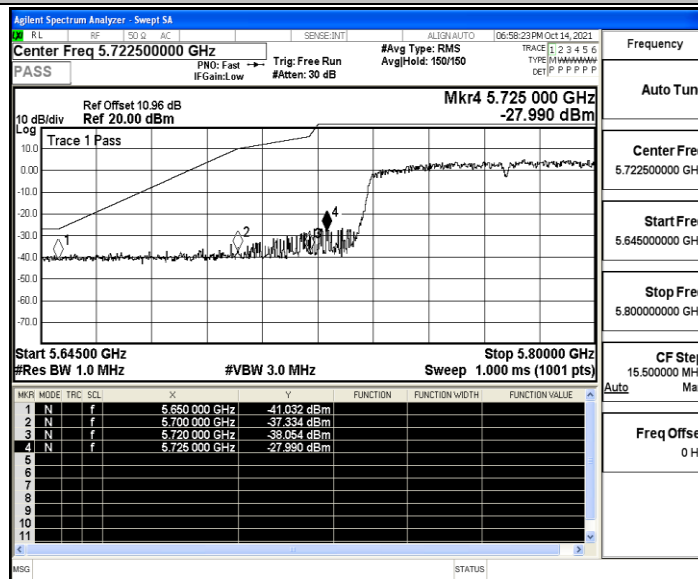


11AC40SISO_Ant1_High_5795_Peak

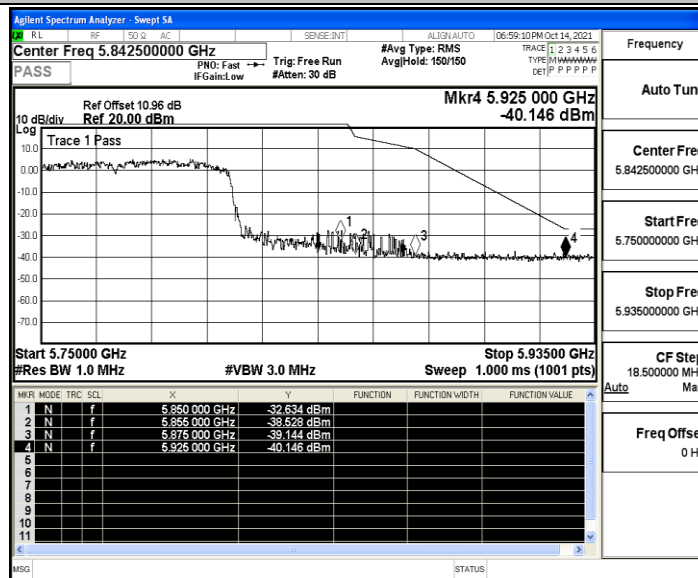




11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak





E.5 Frequency Stability

Test Result

TestMode	Antenna	Channel	Voltage					Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
11A	Ant1	5745	NV	NT	-16000	-2.78503	20	PASS	
			LV	NT	-18000	-3.133159	20	PASS	
			HV	NT	-18000	-3.133159	20	PASS	
		5785	NV	NT	-17000	-2.938634	20	PASS	
			LV	NT	-19000	-3.284356	20	PASS	
			HV	NT	-18000	-3.111495	20	PASS	
		5825	NV	NT	-17000	-2.918455	20	PASS	
			LV	NT	-18000	-3.090129	20	PASS	
			HV	NT	-18000	-3.090129	20	PASS	
11N20SIS O	Ant1	5745	NV	NT	-17000	-2.959095	20	PASS	
			LV	NT	-18000	-3.133159	20	PASS	
			HV	NT	-18000	-3.133159	20	PASS	
		5785	NV	NT	-17000	-2.938634	20	PASS	
			LV	NT	-18000	-3.111495	20	PASS	
			HV	NT	-18000	-3.111495	20	PASS	
		5825	NV	NT	-18000	-3.090129	20	PASS	
			LV	NT	-18000	-3.090129	20	PASS	
			HV	NT	-18000	-3.090129	20	PASS	
11N40SIS O	Ant1	5755	NV	NT	-17000	-2.953953	20	PASS	
			LV	NT	-18000	-3.127715	20	PASS	
			HV	NT	-18000	-3.127715	20	PASS	
		5795	NV	NT	-18000	-3.106126	20	PASS	
			LV	NT	-18000	-3.106126	20	PASS	
			HV	NT	-19000	-3.278689	20	PASS	
11AC20SI SO	Ant1	5745	NV	NT	-14000	-2.436902	20	PASS	
			LV	NT	-17000	-2.959095	20	PASS	
			HV	NT	-17000	-2.959095	20	PASS	
		5785	NV	NT	-14000	-2.420052	20	PASS	
			LV	NT	-17000	-2.938634	20	PASS	
			HV	NT	-17000	-2.938634	20	PASS	
		5825	NV	NT	-17000	-2.918455	20	PASS	
			LV	NT	-18000	-3.090129	20	PASS	
			HV	NT	-18000	-3.090129	20	PASS	
11AC40SI SO	Ant1	5755	NV	NT	-16000	-2.780191	20	PASS	
			LV	NT	-18000	-3.127715	20	PASS	



		5795	HV	NT	-18000	-3.127715	20	PASS
			NV	NT	-17000	-2.933563	20	PASS
			LV	NT	-18000	-3.106126	20	PASS
			HV	NT	-18000	-3.106126	20	PASS
11AC80SI SO	Ant1	5775	NV	NT	-12000	-2.077922	20	PASS
			LV	NT	-17000	-2.943723	20	PASS
			HV	NT	-17000	-2.943723	20	PASS

Temperature										
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict		
11A	Ant1	5745	NV	-30	-18000	-3.133159	20	PASS		
			NV	-20	-18000	-3.133159	20	PASS		
			NV	-10	-18000	-3.133159	20	PASS		
			NV	0	-19000	-3.307224	20	PASS		
			NV	10	-19000	-3.307224	20	PASS		
			NV	20	-19000	-3.307224	20	PASS		
			NV	30	-19000	-3.307224	20	PASS		
			NV	40	-19000	-3.307224	20	PASS		
		5785	NV	-30	-18000	-3.111495	20	PASS		
			NV	-20	-18000	-3.111495	20	PASS		
			NV	-10	-18000	-3.111495	20	PASS		
			NV	0	-19000	-3.284356	20	PASS		
			NV	10	-19000	-3.284356	20	PASS		
			NV	20	-18000	-3.111495	20	PASS		
			NV	30	-19000	-3.284356	20	PASS		
			NV	40	-19000	-3.284356	20	PASS		
		5825	NV	-30	-19000	-3.261803	20	PASS		
			NV	-20	-19000	-3.261803	20	PASS		
			NV	-10	-19000	-3.261803	20	PASS		
			NV	0	-19000	-3.261803	20	PASS		
			NV	10	-19000	-3.261803	20	PASS		
			NV	20	-19000	-3.261803	20	PASS		
			NV	30	-19000	-3.261803	20	PASS		
			NV	40	-19000	-3.261803	20	PASS		
		11N20SIS O	Ant1	5745	NV	-30	-18000	-3.133159	20	PASS
					NV	-20	-18000	-3.133159	20	PASS
					NV	-10	-18000	-3.133159	20	PASS
NV	0				-18000	-3.133159	20	PASS		
NV	10				-18000	-3.133159	20	PASS		



			NV	20	-18000	-3.133159	20	PASS		
			NV	30	-18000	-3.133159	20	PASS		
			NV	40	-18000	-3.133159	20	PASS		
			NV	50	-18000	-3.133159	20	PASS		
		5785	NV	-30	-18000	-3.111495	20	PASS		
			NV	-20	-18000	-3.111495	20	PASS		
			NV	-10	-18000	-3.111495	20	PASS		
			NV	0	-18000	-3.111495	20	PASS		
			NV	10	-19000	-3.284356	20	PASS		
			NV	20	-18000	-3.111495	20	PASS		
			NV	30	-18000	-3.111495	20	PASS		
			NV	40	-19000	-3.284356	20	PASS		
			NV	50	-19000	-3.284356	20	PASS		
			5825	NV	-30	-18000	-3.090129	20	PASS	
				NV	-20	-18000	-3.090129	20	PASS	
				NV	-10	-18000	-3.090129	20	PASS	
		NV		0	-18000	-3.090129	20	PASS		
		NV		10	-18000	-3.090129	20	PASS		
		NV		20	-18000	-3.090129	20	PASS		
		NV		30	-18000	-3.090129	20	PASS		
		NV		40	-19000	-3.261803	20	PASS		
		11N40SIS O	Ant1	5755	NV	-30	-18000	-3.127715	20	PASS
					NV	-20	-19000	-3.301477	20	PASS
					NV	-10	-19000	-3.301477	20	PASS
					NV	0	-19000	-3.301477	20	PASS
					NV	10	-19000	-3.301477	20	PASS
					NV	20	-19000	-3.301477	20	PASS
					NV	30	-19000	-3.301477	20	PASS
NV	40				-19000	-3.301477	20	PASS		
5795	NV			50	-19000	-3.301477	20	PASS		
	NV			-30	-19000	-3.278689	20	PASS		
	NV			-20	-19000	-3.278689	20	PASS		
	NV			-10	-18000	-3.106126	20	PASS		
	NV			0	-18000	-3.106126	20	PASS		
	NV			10	-19000	-3.278689	20	PASS		
	NV			20	-18000	-3.106126	20	PASS		
	NV			30	-19000	-3.278689	20	PASS		
11AC20SI SO	Ant1	5745	NV	-30	-18000	-3.133159	20	PASS		
			NV	-20	-18000	-3.133159	20	PASS		
			NV	-10	-18000	-3.133159	20	PASS		



			NV	0	-18000	-3.133159	20	PASS		
			NV	10	-18000	-3.133159	20	PASS		
			NV	20	-18000	-3.133159	20	PASS		
			NV	30	-18000	-3.133159	20	PASS		
			NV	40	-19000	-3.307224	20	PASS		
			NV	50	-19000	-3.307224	20	PASS		
		5785	NV	-30	-18000	-3.111495	20	PASS		
			NV	-20	-18000	-3.111495	20	PASS		
			NV	-10	-18000	-3.111495	20	PASS		
			NV	0	-18000	-3.111495	20	PASS		
			NV	10	-18000	-3.111495	20	PASS		
			NV	20	-18000	-3.111495	20	PASS		
			NV	30	-18000	-3.111495	20	PASS		
			NV	40	-18000	-3.111495	20	PASS		
		5825	NV	-30	-18000	-3.090129	20	PASS		
			NV	-20	-18000	-3.090129	20	PASS		
			NV	-10	-18000	-3.090129	20	PASS		
			NV	0	-18000	-3.090129	20	PASS		
			NV	10	-18000	-3.090129	20	PASS		
			NV	20	-18000	-3.090129	20	PASS		
			NV	30	-18000	-3.090129	20	PASS		
			NV	40	-18000	-3.090129	20	PASS		
		11AC40SI SO	Ant1	5755	NV	-30	-18000	-3.127715	20	PASS
					NV	-20	-18000	-3.127715	20	PASS
					NV	-10	-18000	-3.127715	20	PASS
					NV	0	-18000	-3.127715	20	PASS
					NV	10	-18000	-3.127715	20	PASS
					NV	20	-19000	-3.301477	20	PASS
					NV	30	-18000	-3.127715	20	PASS
					NV	40	-19000	-3.301477	20	PASS
NV	50				-19000	-3.301477	20	PASS		
5795	NV			-30	-18000	-3.106126	20	PASS		
	NV			-20	-18000	-3.106126	20	PASS		
	NV			-10	-18000	-3.106126	20	PASS		
	NV			0	-18000	-3.106126	20	PASS		
	NV			10	-18000	-3.106126	20	PASS		
	NV			20	-18000	-3.106126	20	PASS		
	NV			30	-18000	-3.106126	20	PASS		
	NV			40	-18000	-3.106126	20	PASS		
	NV			50	-18000	-3.106126	20	PASS		
11AC80SI	Ant1	5775	NV	-30	-18000	-3.116883	20	PASS		



SO	NV	-20	-18000	-3.116883	20	PASS
	NV	-10	-18000	-3.116883	20	PASS
	NV	0	-18000	-3.116883	20	PASS
	NV	10	-18000	-3.116883	20	PASS
	NV	20	-19000	-3.290043	20	PASS
	NV	30	-18000	-3.116883	20	PASS
	NV	40	-18000	-3.116883	20	PASS
	NV	50	-18000	-3.116883	20	PASS



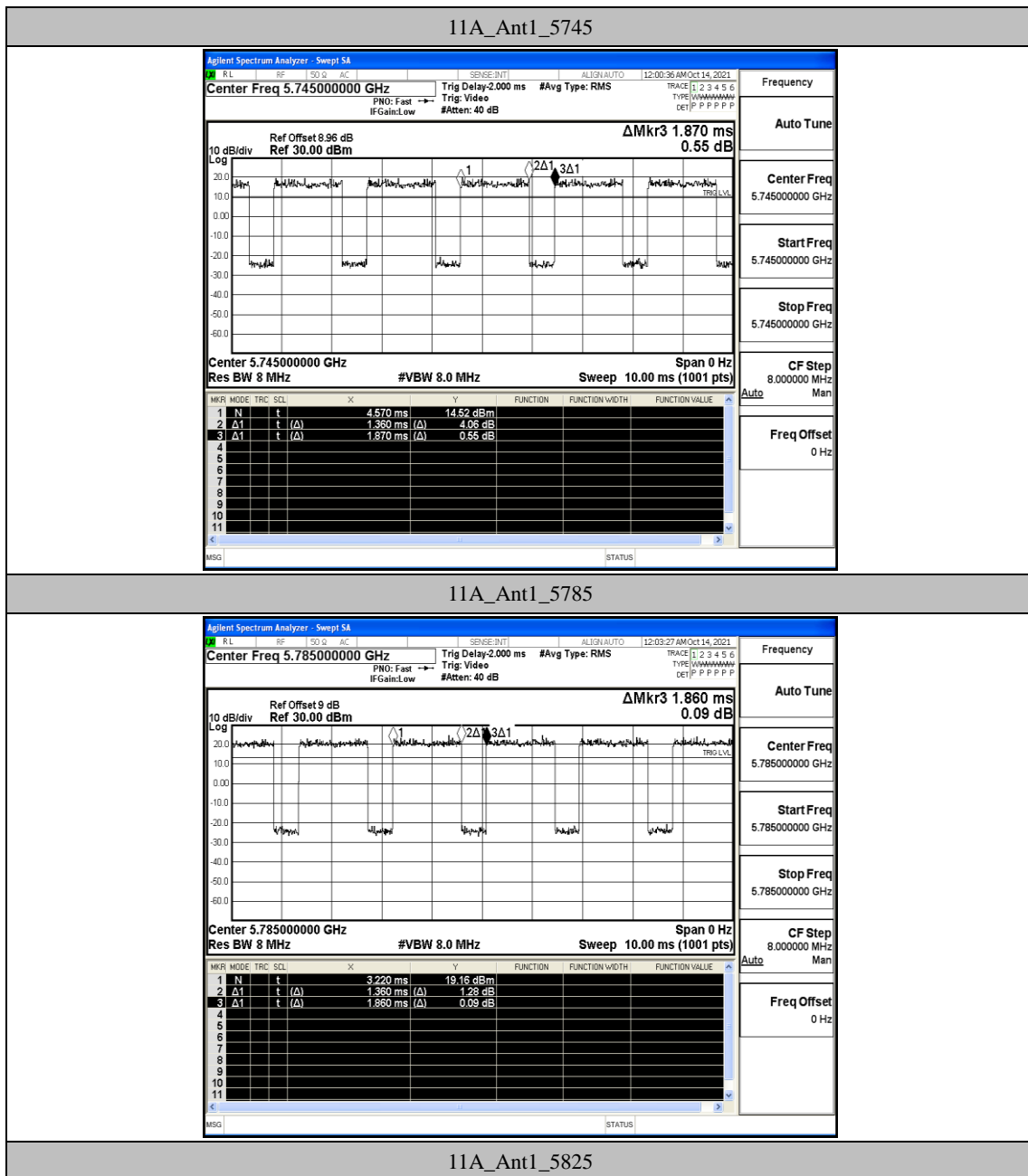
E.6 Duty Cycle

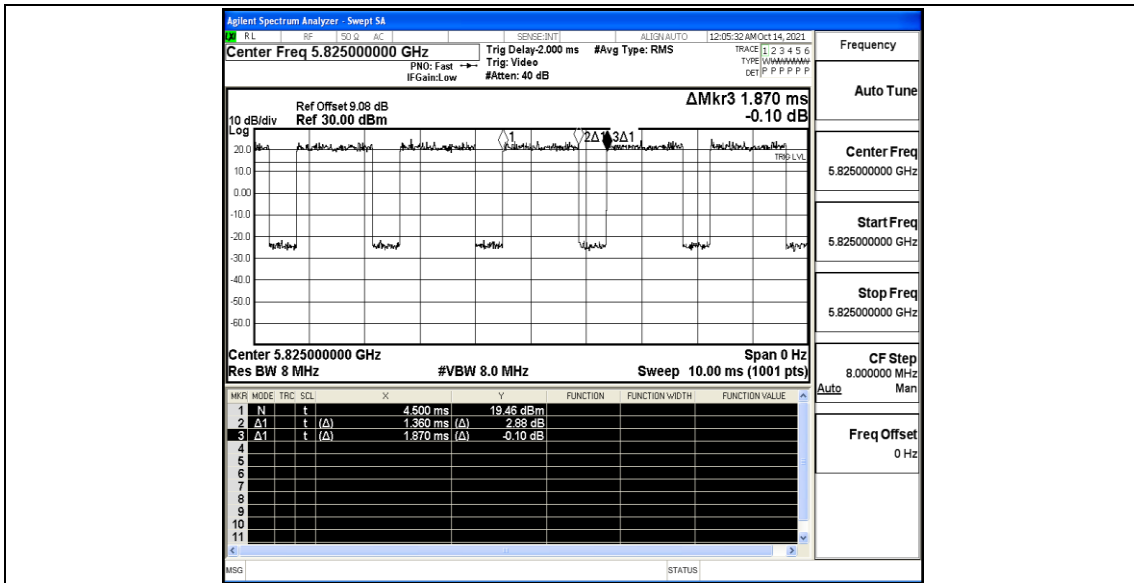
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5745	1.36	1.87	72.73	---	PASS
		5785	1.36	1.86	73.12	---	PASS
		5825	1.36	1.87	72.73	---	PASS
11N20SISO	Ant1	5745	1.27	1.78	71.35	---	PASS
		5785	1.27	1.78	71.35	---	PASS
		5825	1.27	1.78	71.35	---	PASS
11N40SISO	Ant1	5755	0.63	1.14	55.26	---	PASS
		5795	0.63	1.14	55.26	---	PASS
11AC20SISO	Ant1	5745	1.27	1.78	71.35	---	PASS
		5785	1.27	1.77	71.75	---	PASS
		5825	1.27	1.77	71.75	---	PASS
11AC40SISO	Ant1	5755	0.63	1.14	55.26	---	PASS
		5795	0.63	1.14	55.26	---	PASS
11AC80SISO	Ant1	5775	0.31	0.82	37.80	---	PASS

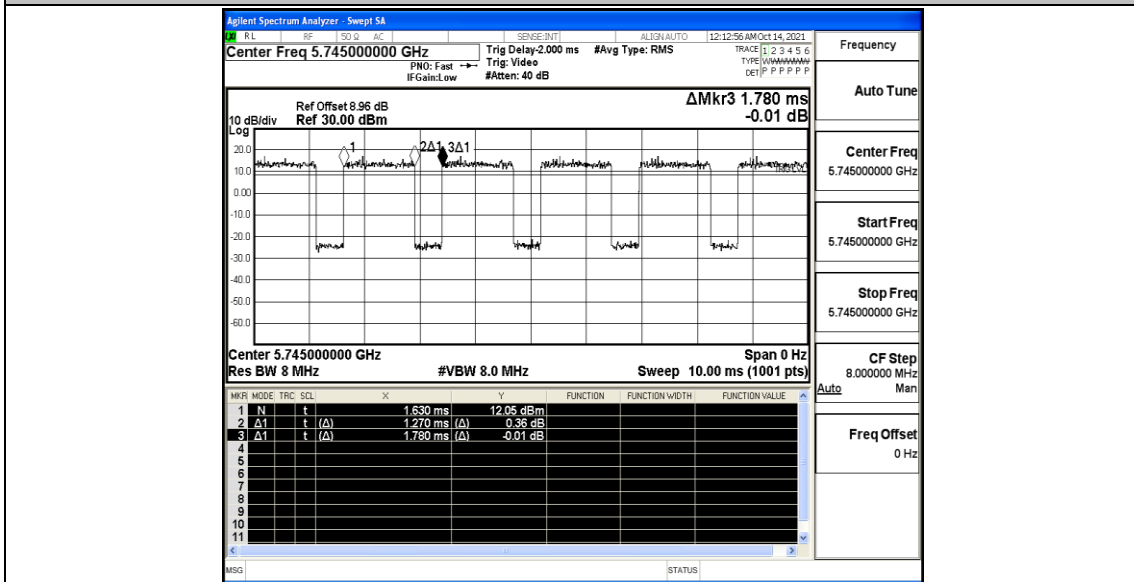


Test Graphs

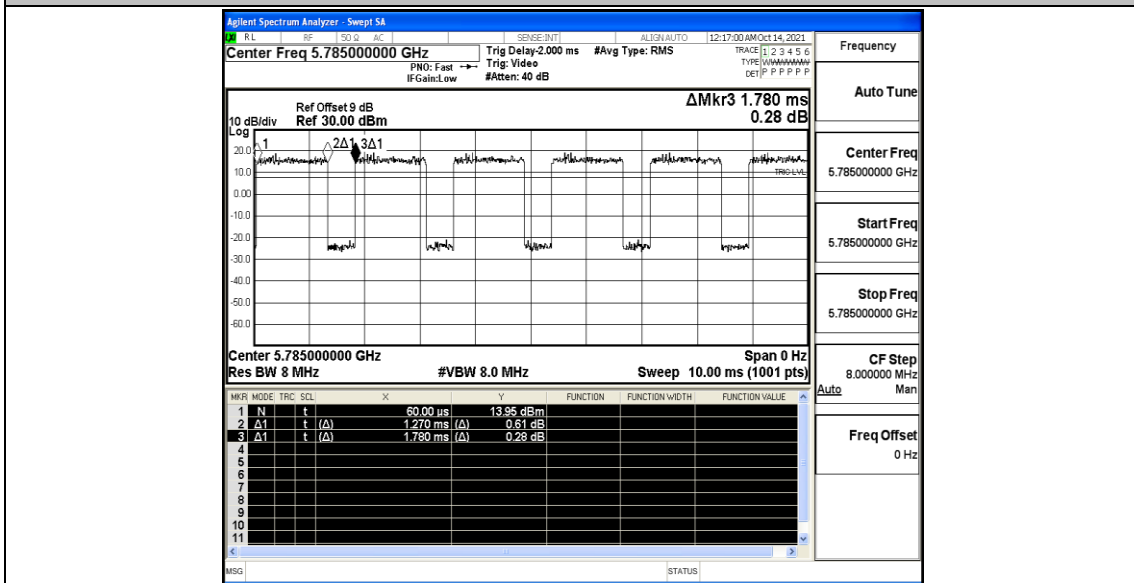




11N20SISO_Ant1_5745

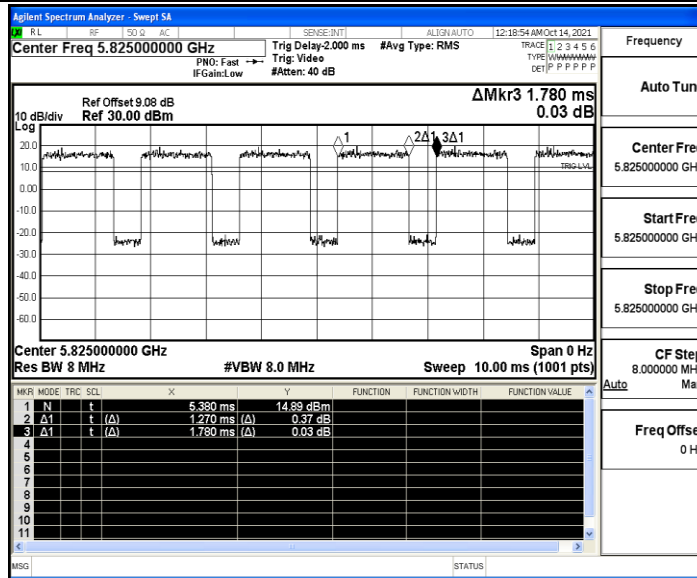


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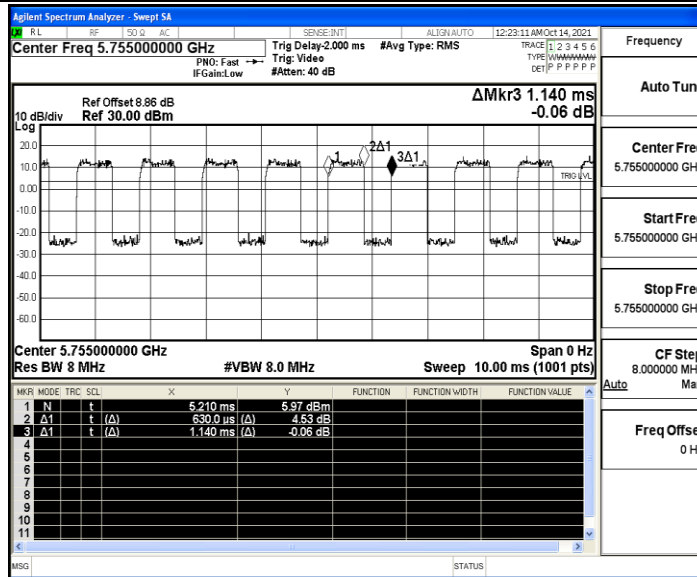




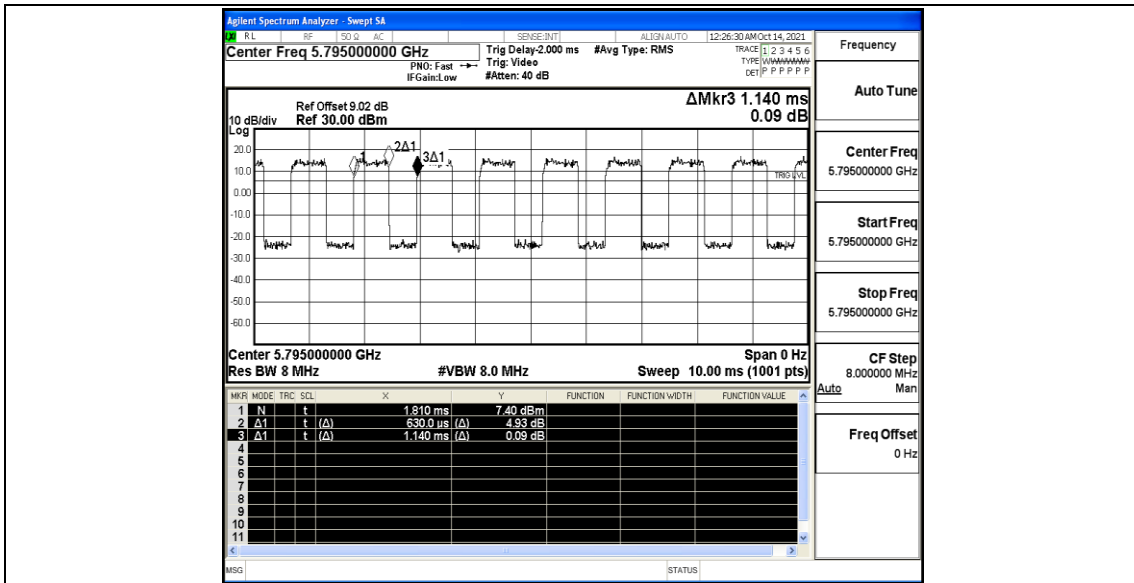
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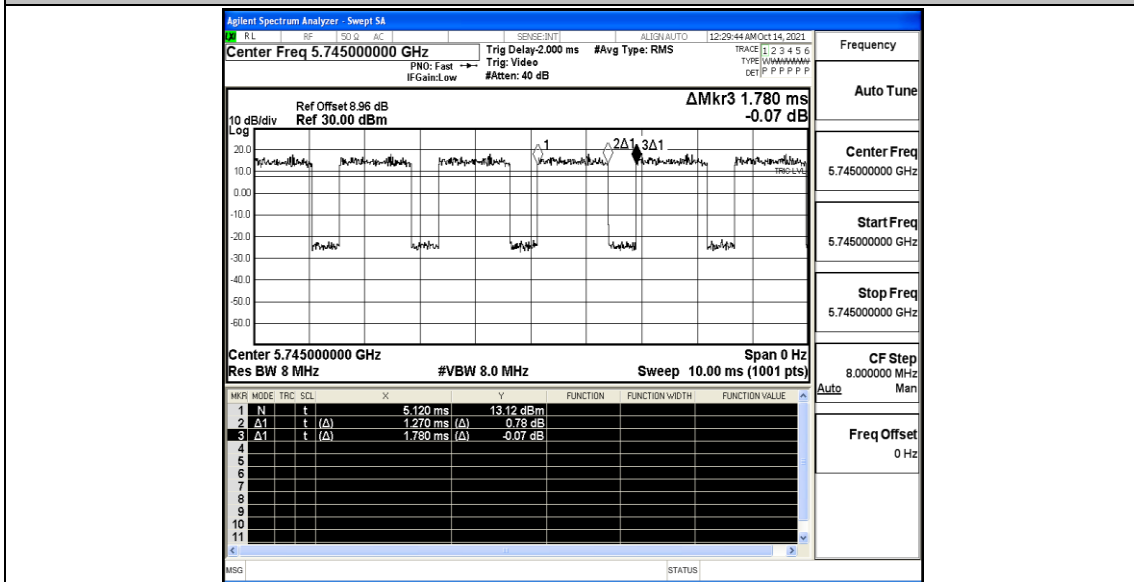
11N40SISO_Ant1_5755



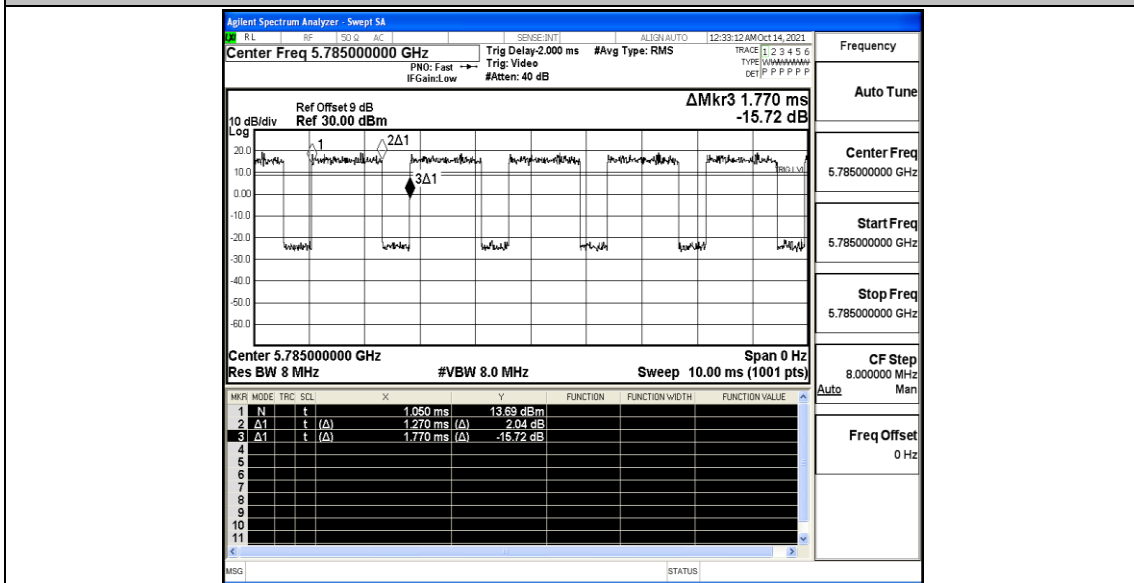
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745

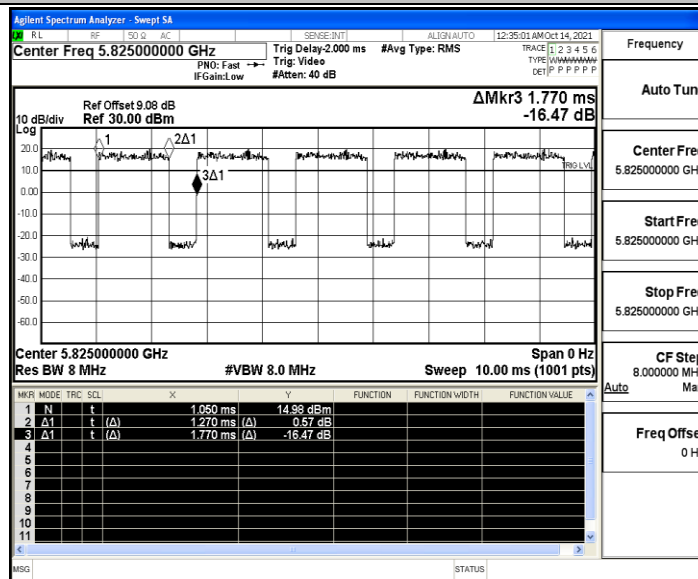


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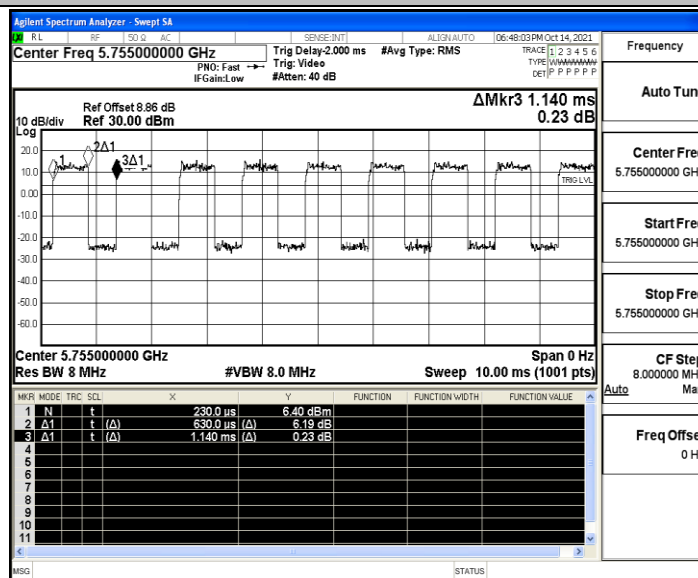




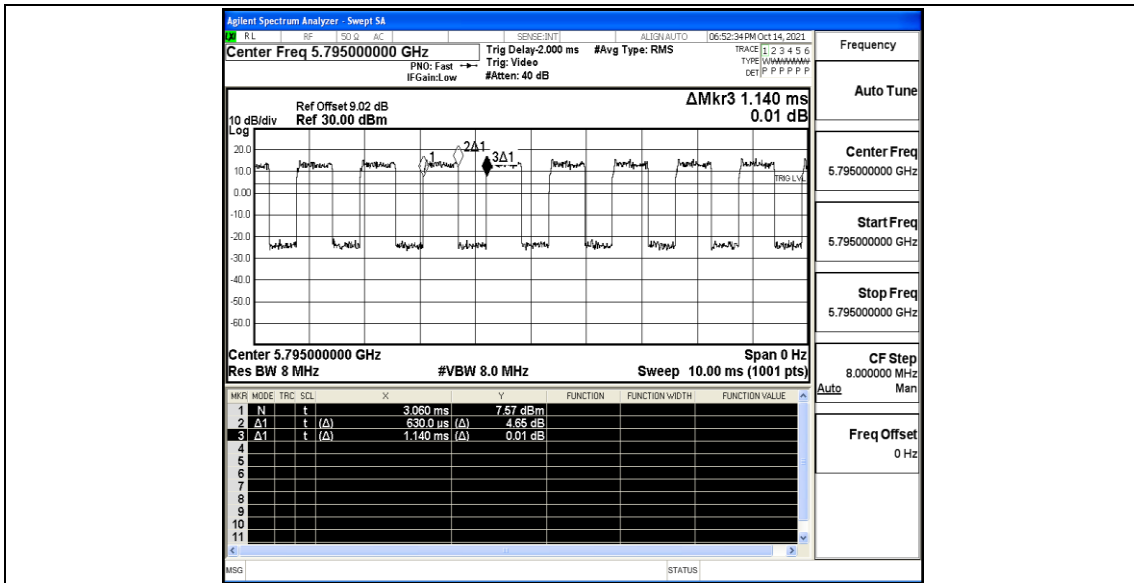
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

