



## Appendix E

### RF Test Data for 5.8G WIFI (Conducted Measurement)

Product Name: AMD R1305G Player

Test Model: SMPA-R1305G

#### Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Bill Zhu
Supervised by:	Li Huan

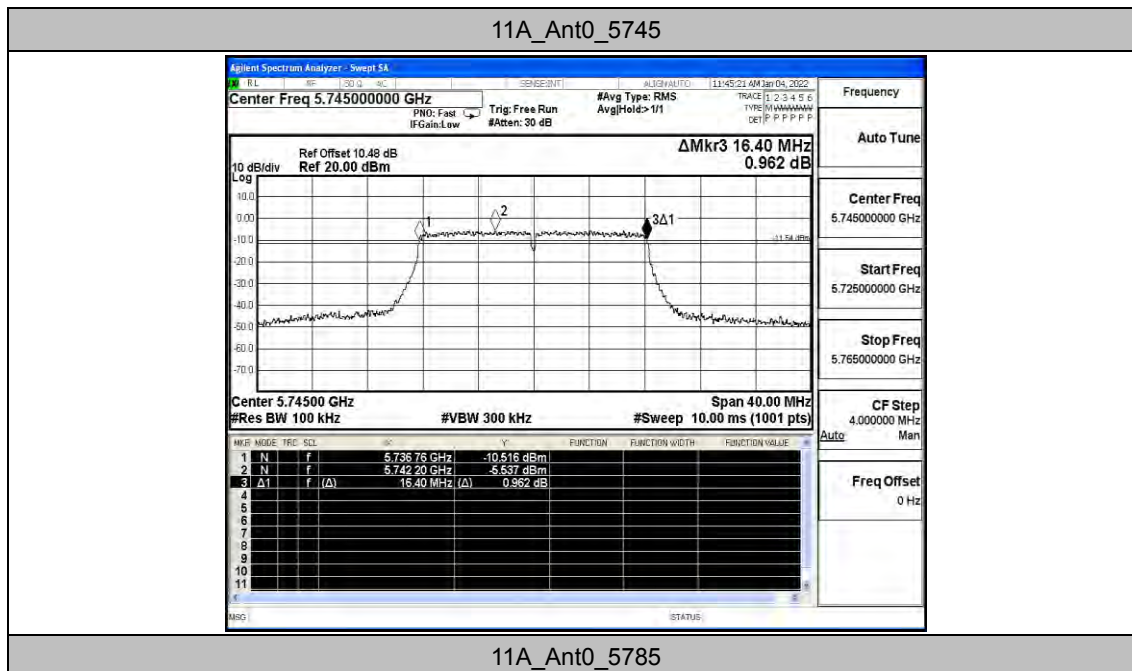


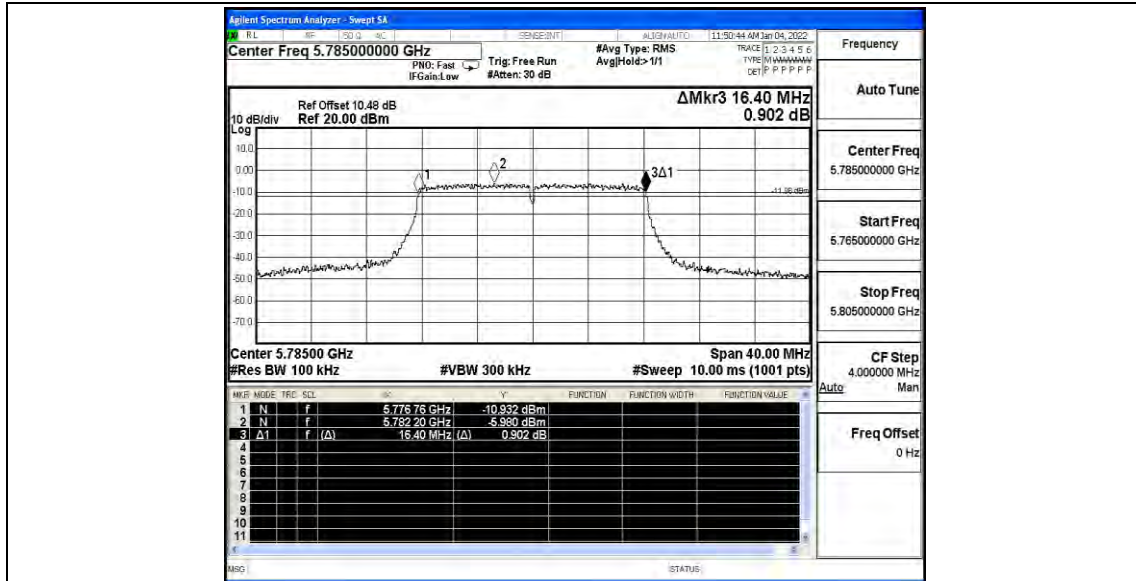
## E.1 6dB bandwidth

### Test Result

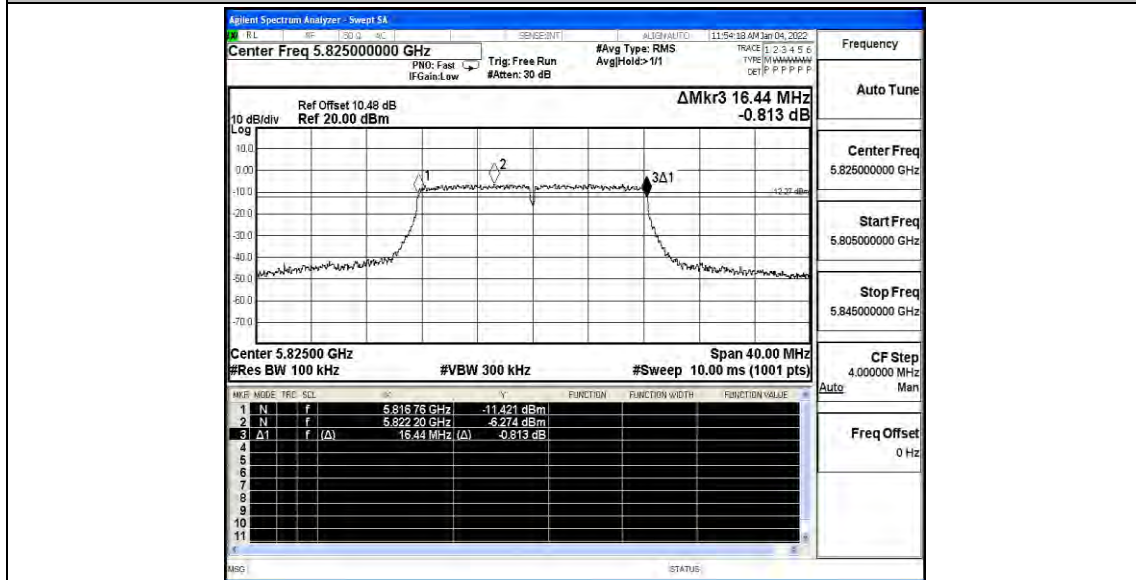
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.400	5776.760	5793.160	0.5	PASS
		5825	16.440	5816.760	5833.200	0.5	PASS
11N20SISO	Ant0	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11N40SISO	Ant0	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant0	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11AC40SISO	Ant0	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant0	5775	74.400	5737.080	5811.480	0.5	PASS

### Test Graphs

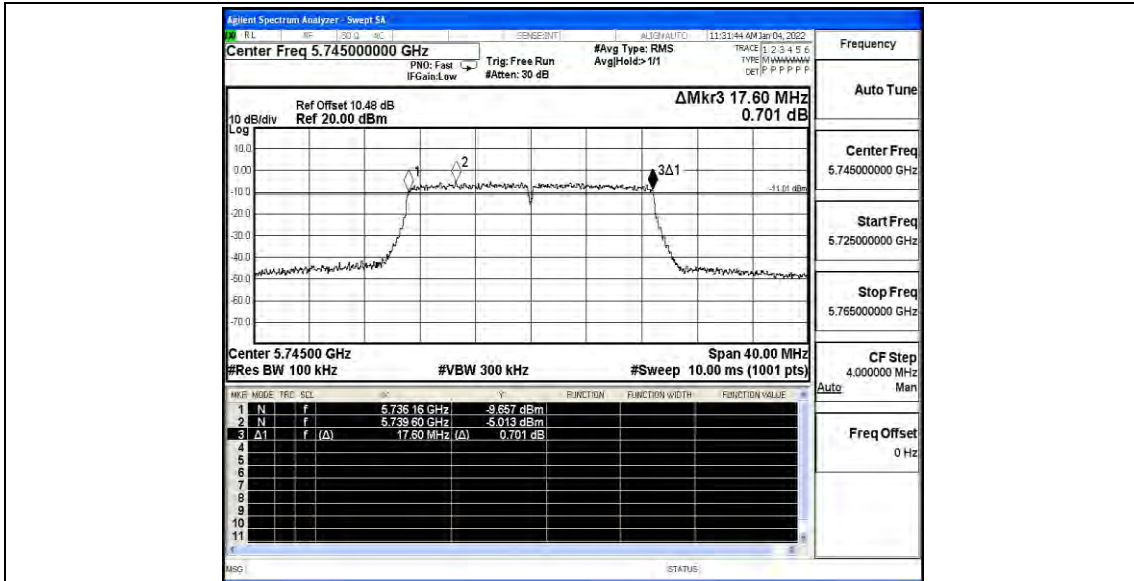




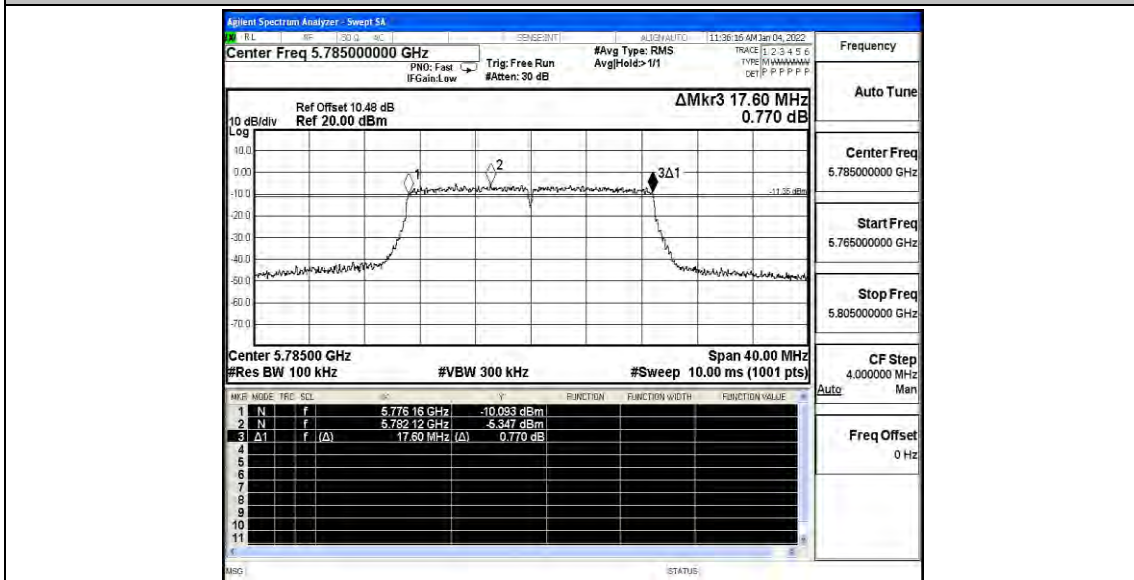
11A\_Ant0\_5825



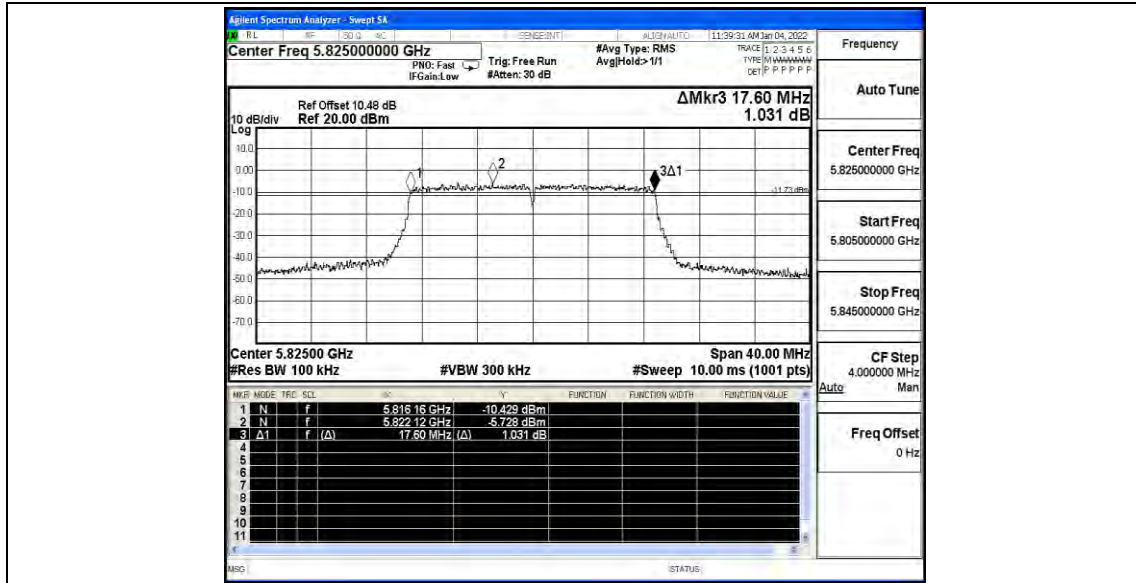
11N20SISO\_Ant0\_5745



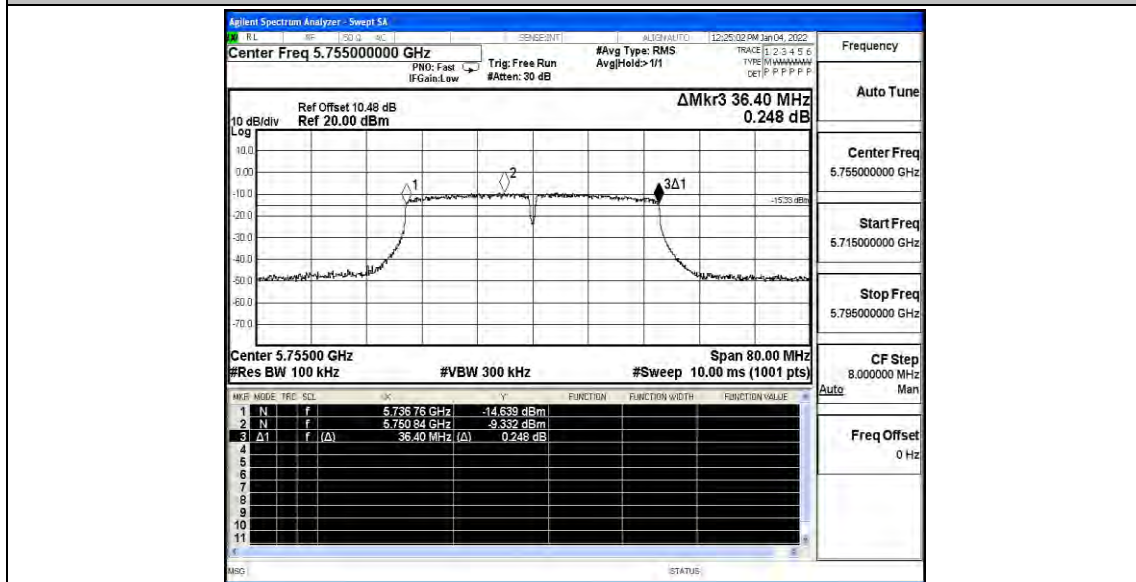
11N20SISO\_Ant0\_5785



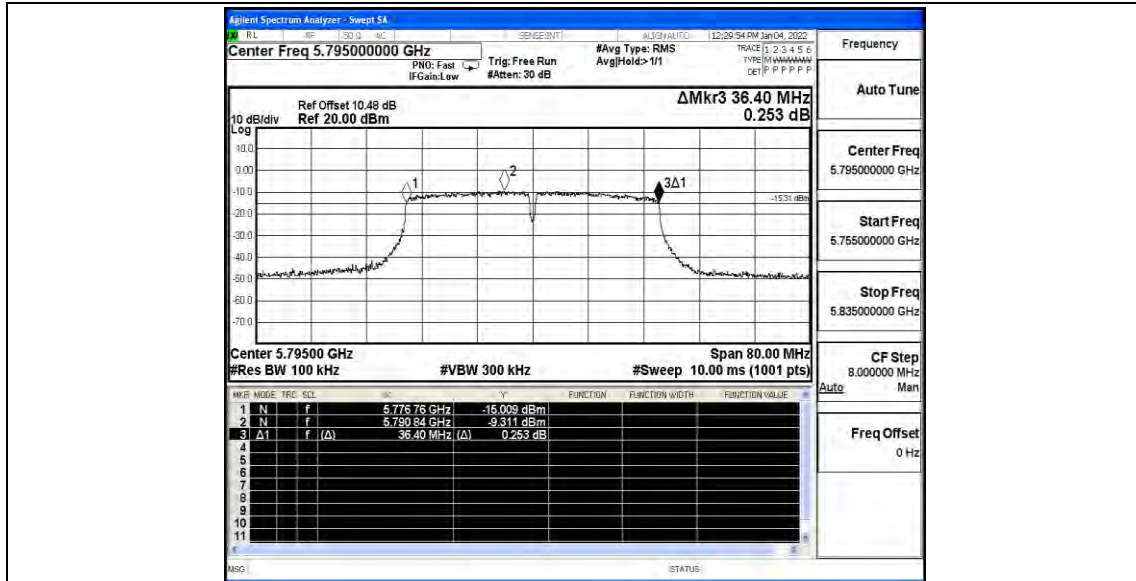
11N20SISO\_Ant0\_5825



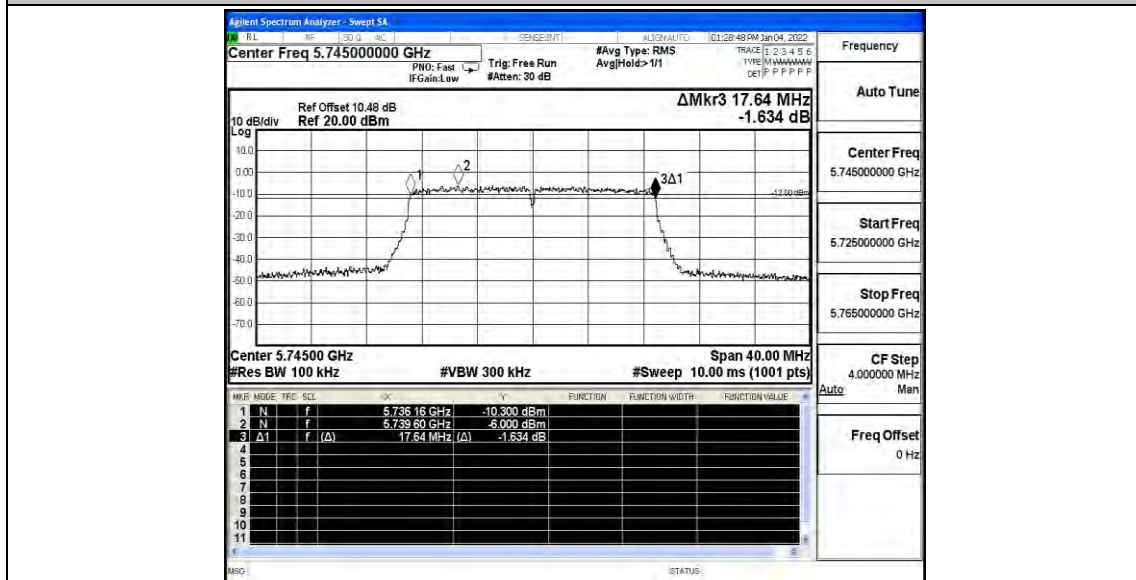
11N40SISO\_Ant0\_5755



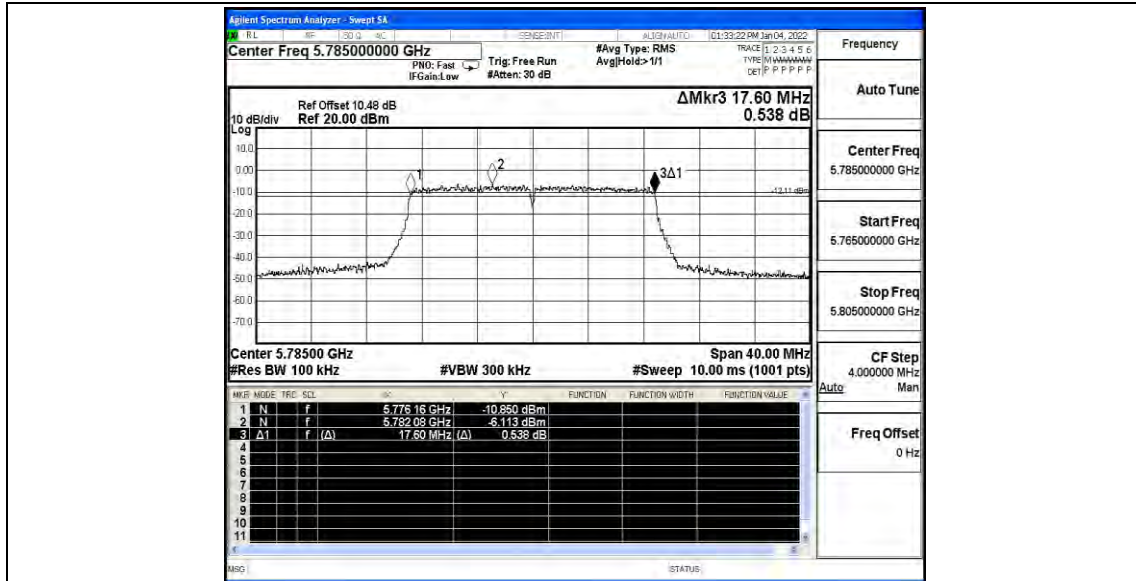
11N40SISO\_Ant0\_5795



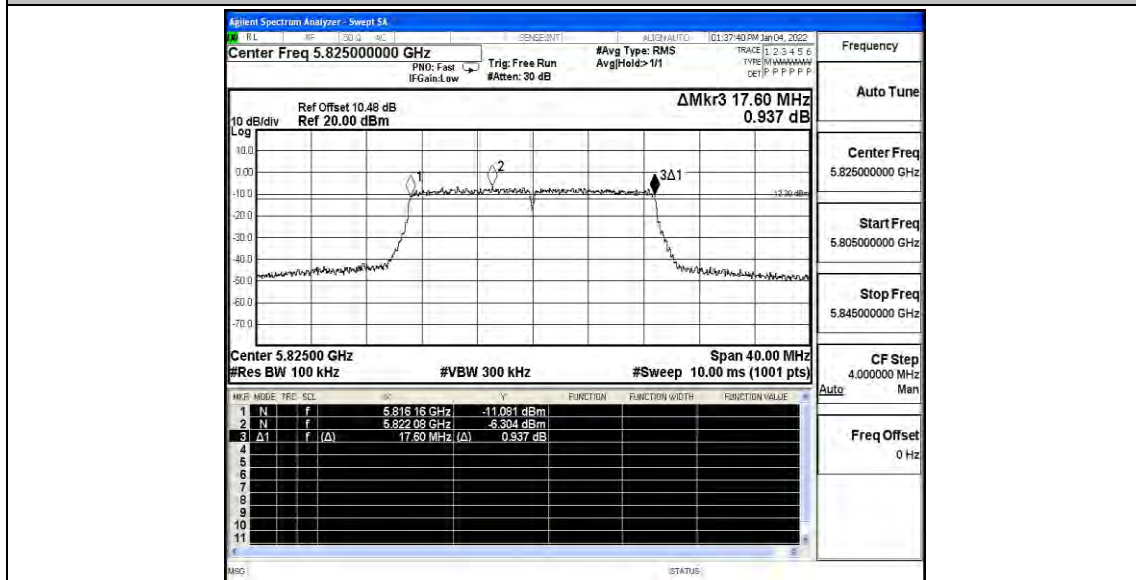
11AC20SISO\_Ant0\_5745



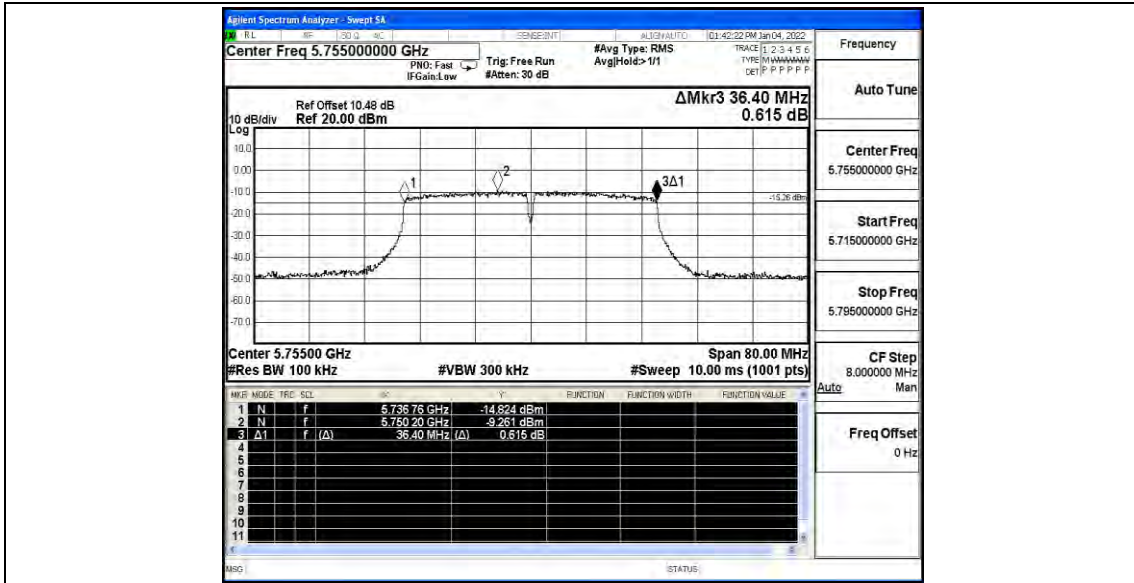
11AC20SISO\_Ant0\_5785



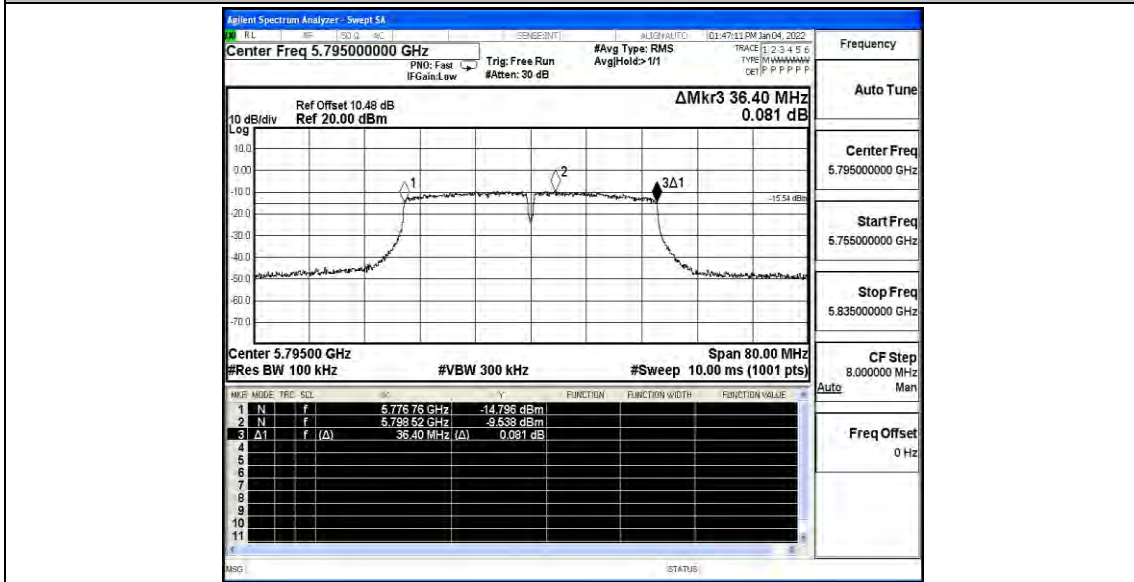
11AC20SISO\_Ant0\_5825



11AC40SISO\_Ant0\_5755

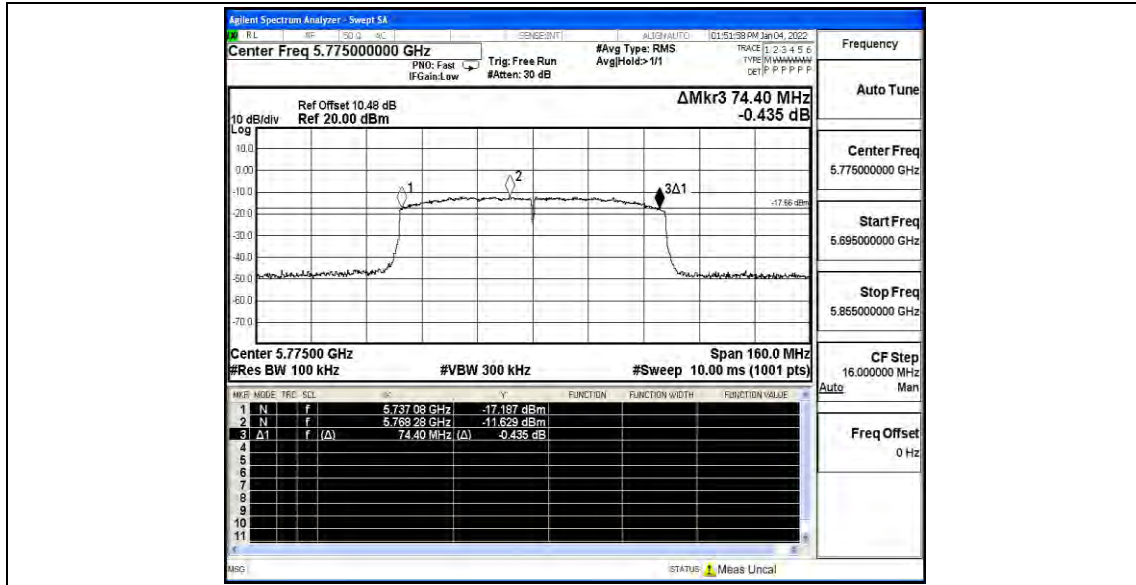


11AC40SISO\_Ant0\_5795



11AC80SISO\_Ant0\_5775

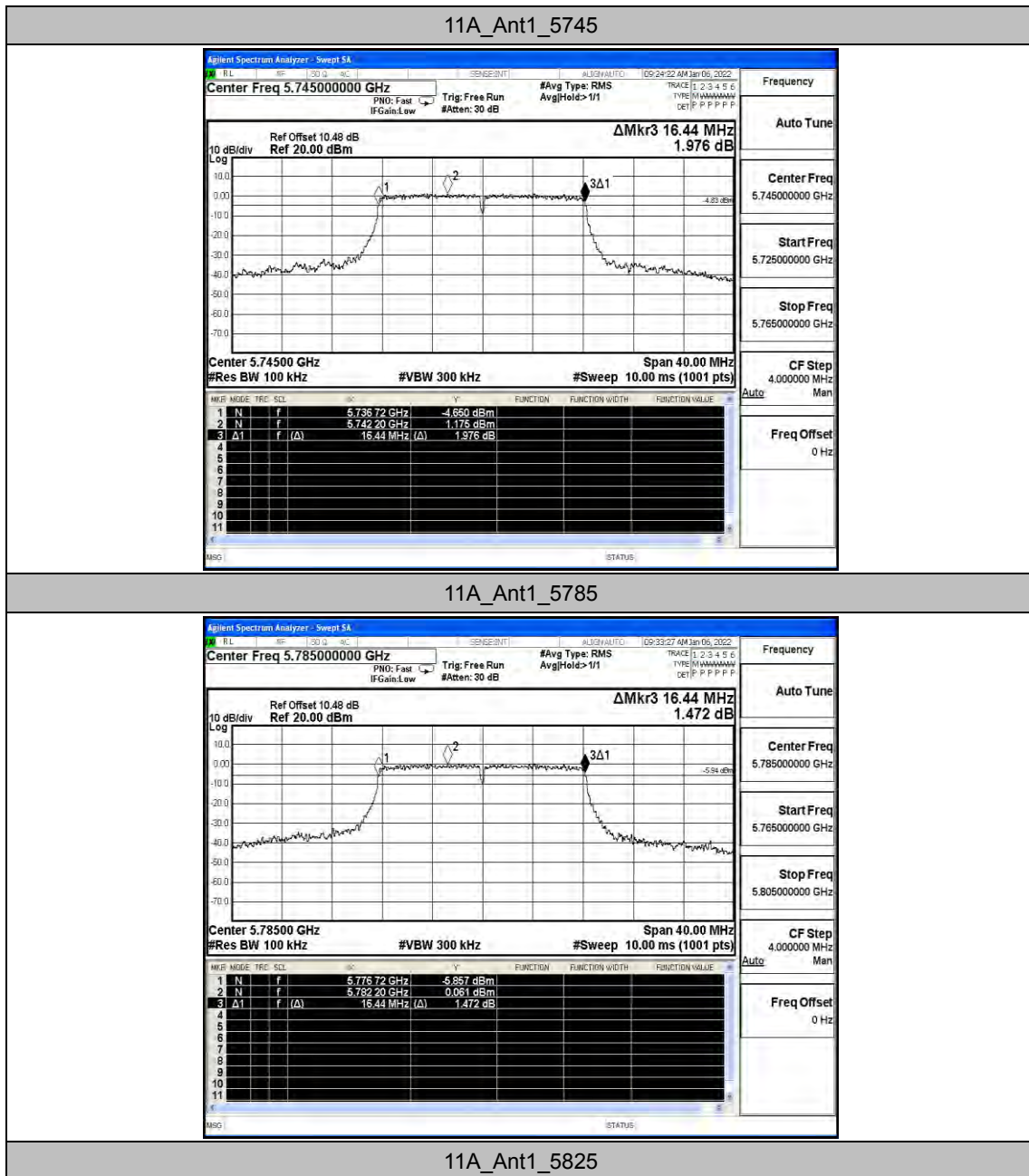


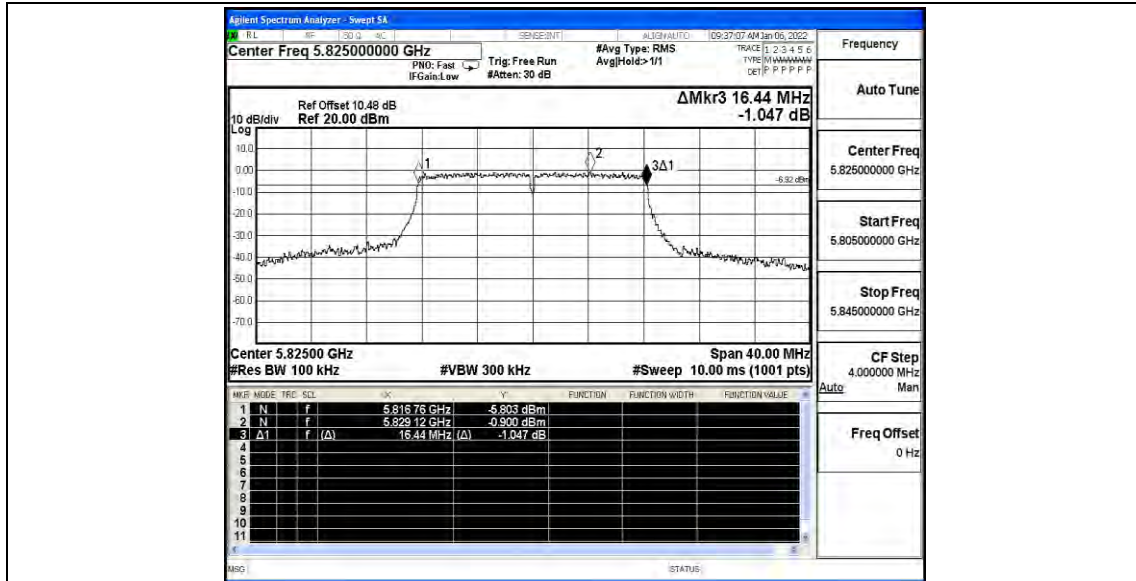


TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.440	5736.720	5753.160	0.5	PASS
		5785	16.440	5776.720	5793.160	0.5	PASS
		5825	16.440	5816.760	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	73.920	5736.760	5810.680	0.5	PASS

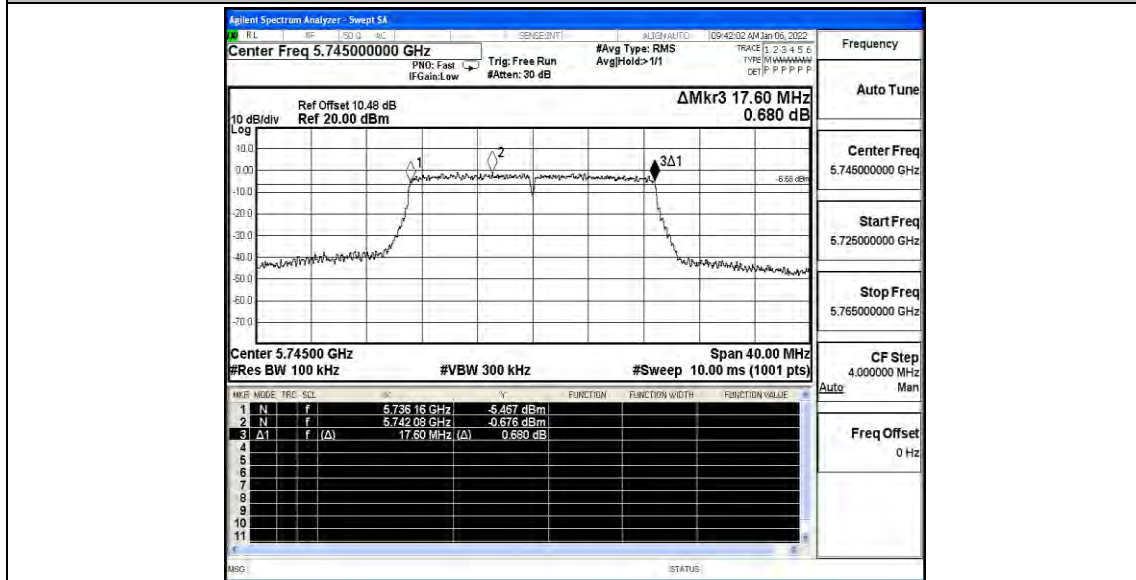


### Test Graphs

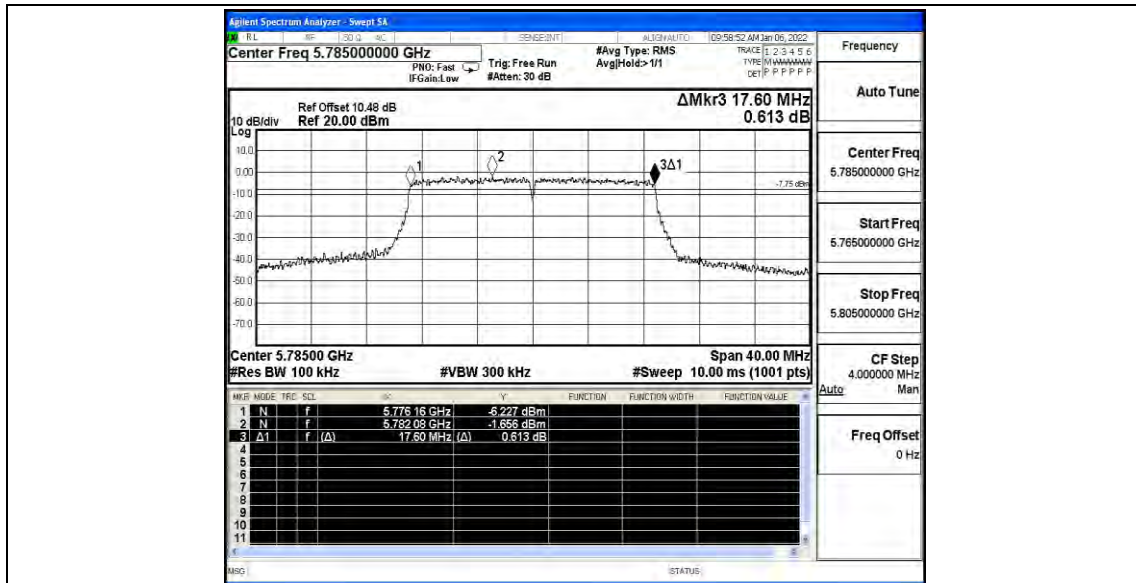




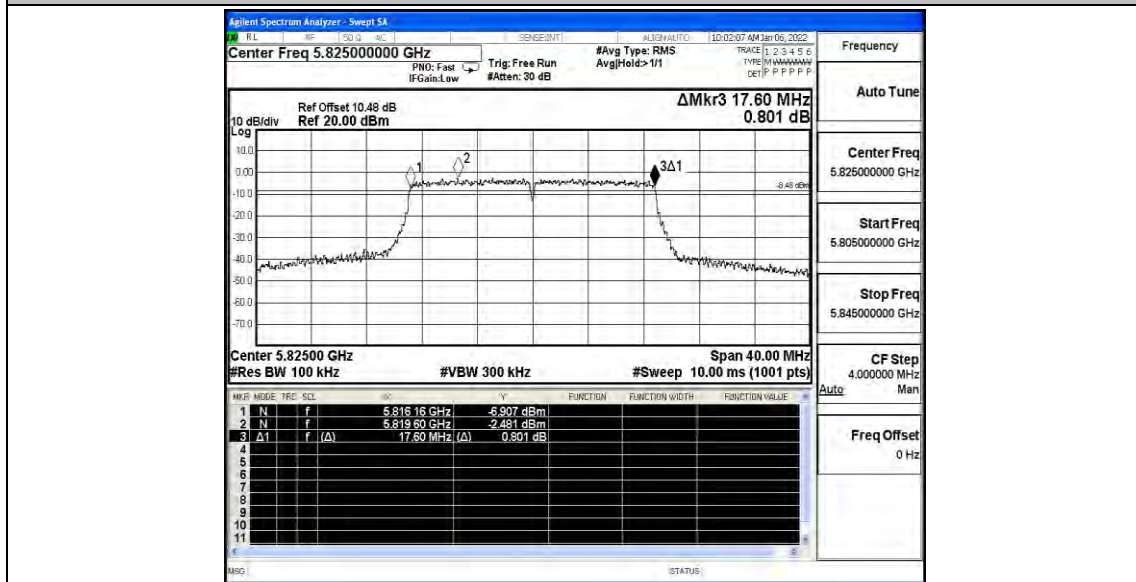
11N20SISO\_Ant1\_5745



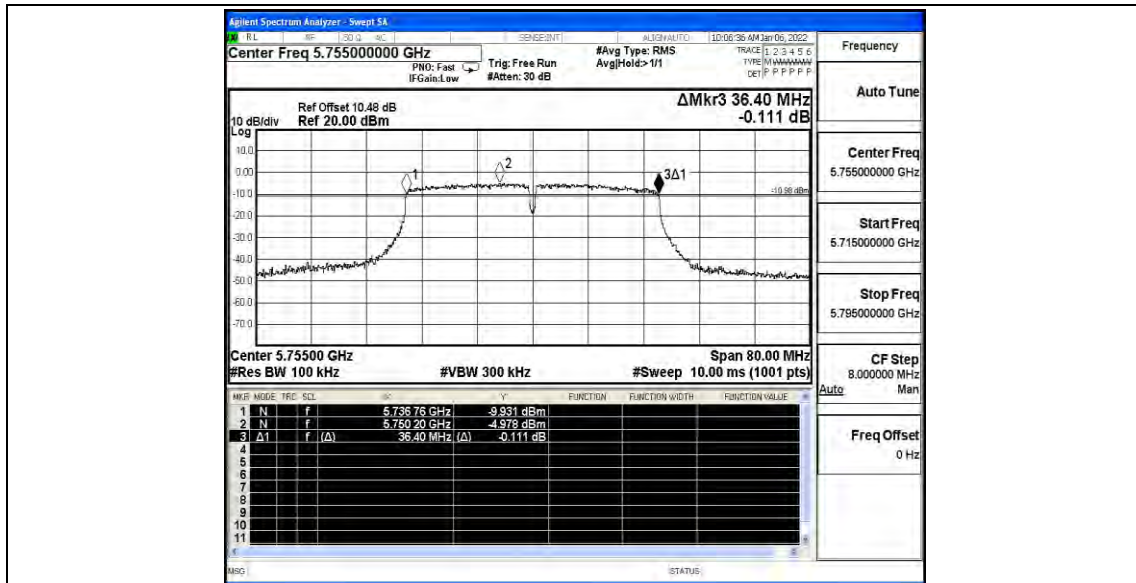
11N20SISO\_Ant1\_5785



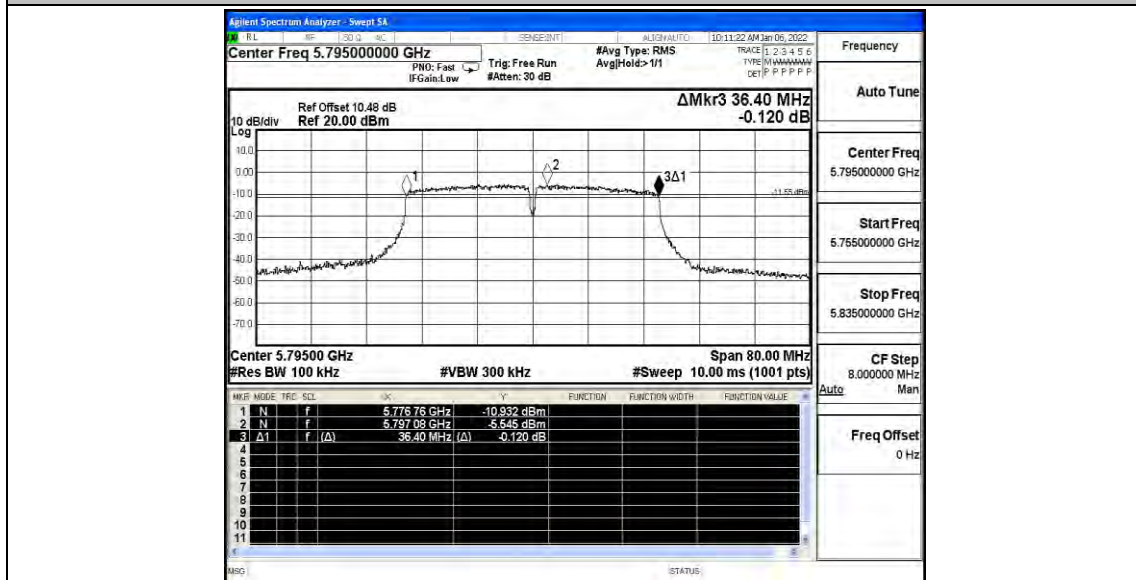
11N20SISO\_Ant1\_5825



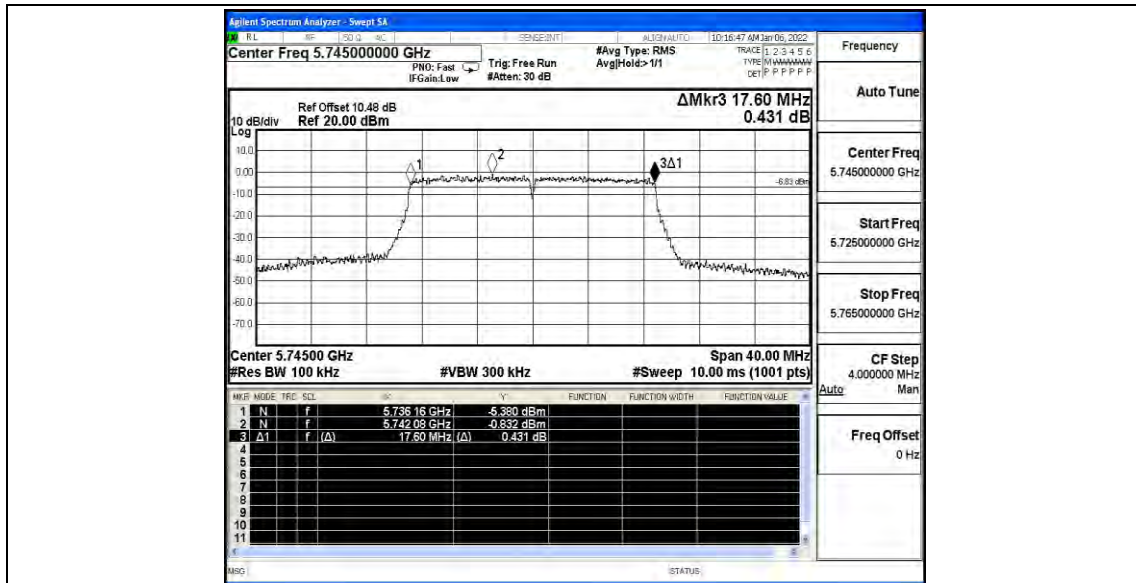
11N40SISO\_Ant1\_5755



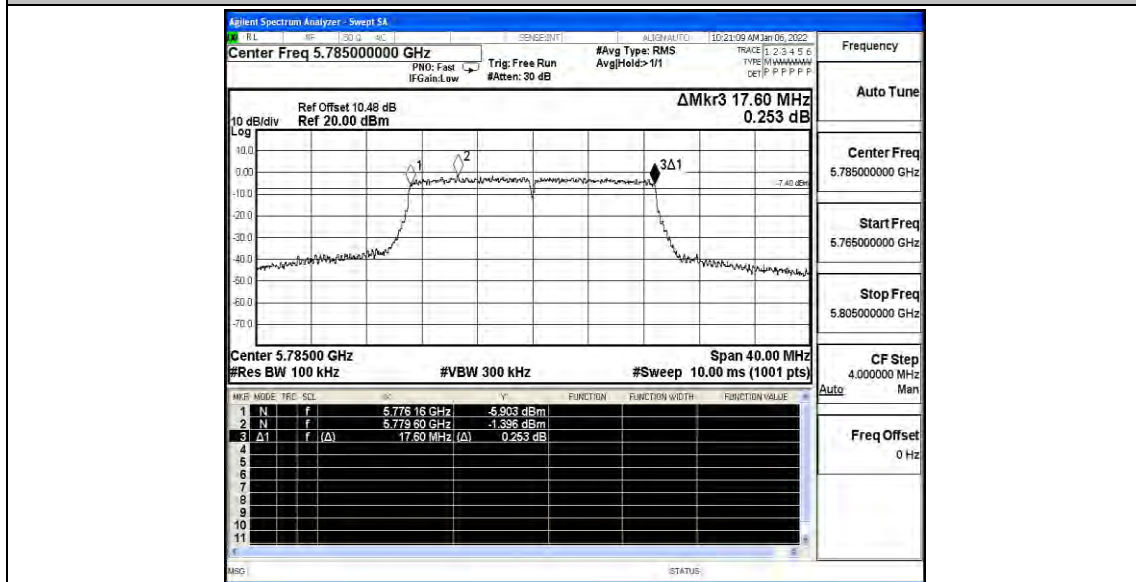
11N40SISO\_Ant1\_5795



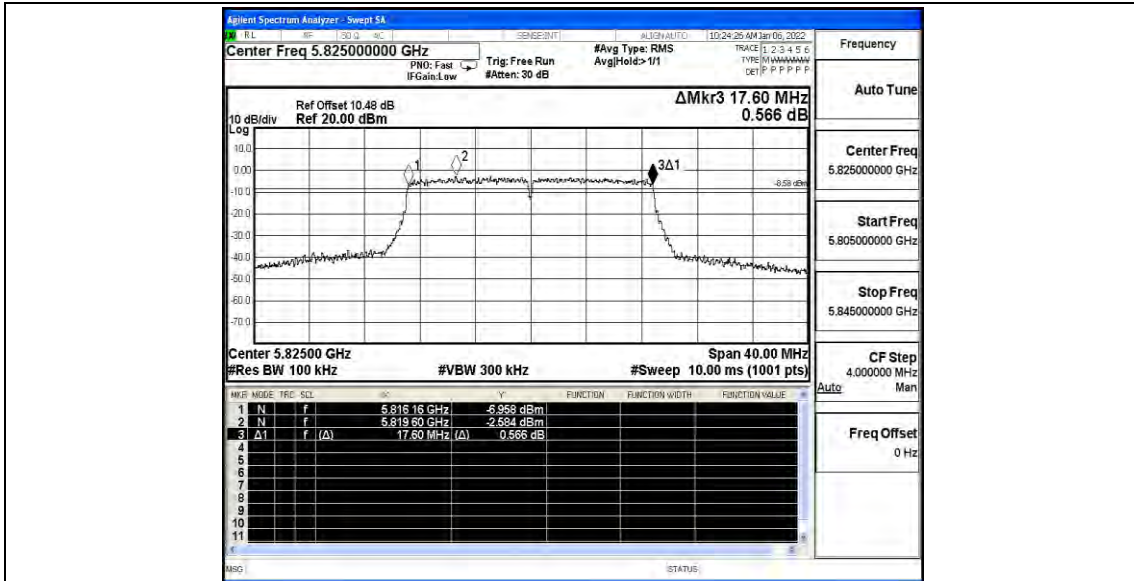
11AC20SISO\_Ant1\_5745



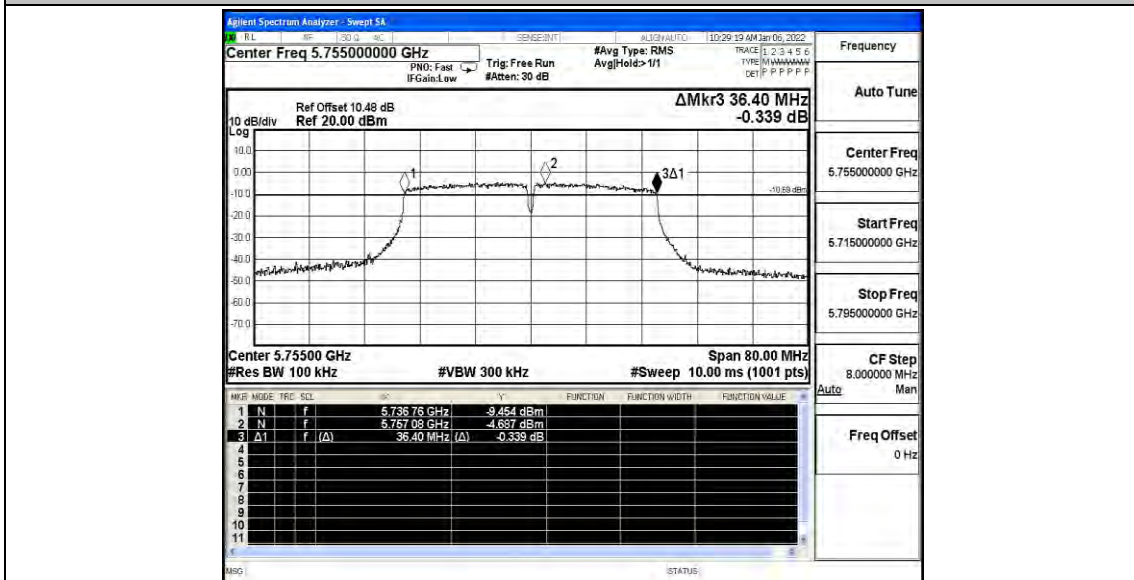
11AC20SISO\_Ant1\_5785



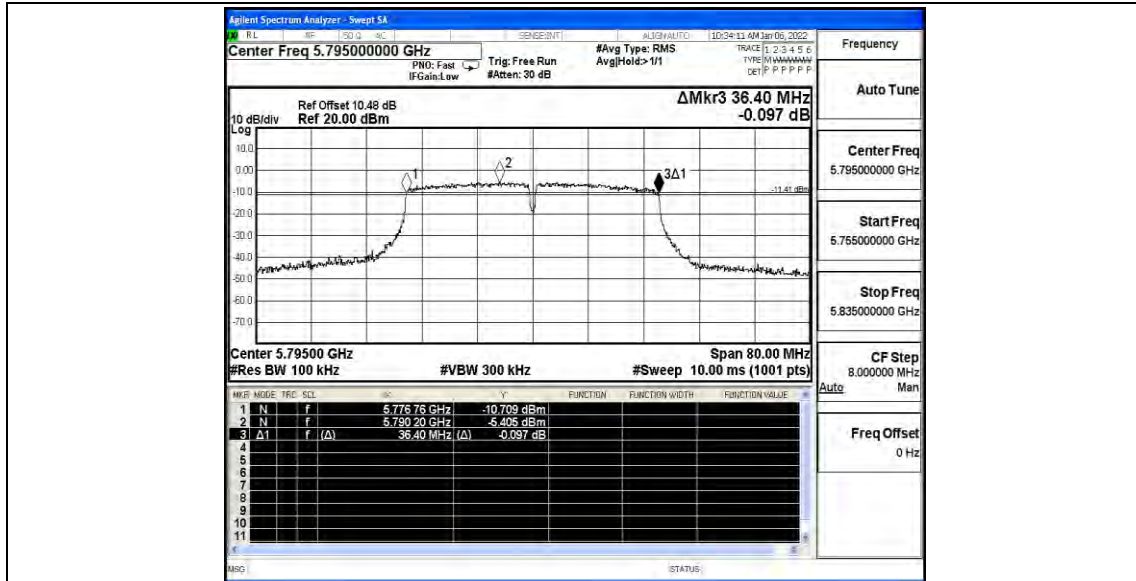
11AC20SISO\_Ant1\_5825



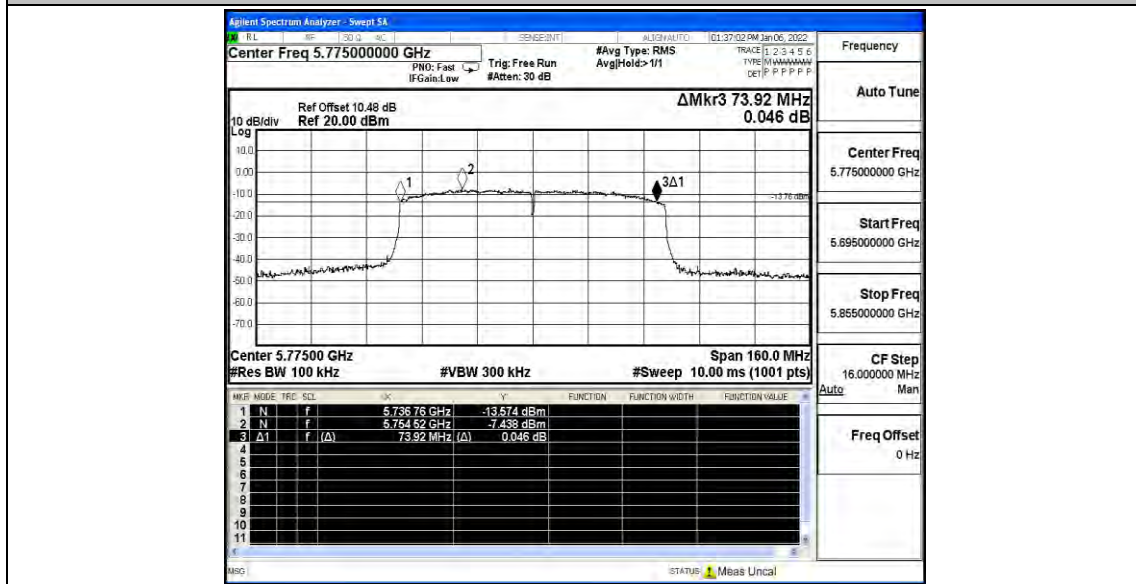
11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775







## E.2 Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant0	5745	15.36	≤30.00	PASS
		5785	14.53	≤30.00	PASS
		5825	13.69	≤30.00	PASS
11N20SISO	Ant0	5745	12.86	≤30.00	PASS
		5785	12.07	≤30.00	PASS
		5825	11.85	≤30.00	PASS
11N40SISO	Ant0	5755	12.52	≤30.00	PASS
		5795	11.72	≤30.00	PASS
11AC20SISO	Ant0	5745	13.19	≤30.00	PASS
		5785	12.35	≤30.00	PASS
		5825	11.74	≤30.00	PASS
11AC40SISO	Ant0	5755	12.67	≤30.00	PASS
		5795	12.02	≤30.00	PASS
11AC80SISO	Ant0	5775	11.98	≤30.00	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	15.45	≤30.00	PASS
		5785	14.55	≤30.00	PASS
		5825	13.63	≤30.00	PASS
11N20SISO	Ant1	5745	12.90	≤30.00	PASS
		5785	12.17	≤30.00	PASS
		5825	11.46	≤30.00	PASS
11N40SISO	Ant1	5755	12.19	≤30.00	PASS
		5795	11.50	≤30.00	PASS
11AC20SISO	Ant1	5745	12.74	≤30.00	PASS
		5785	12.35	≤30.00	PASS
		5825	11.38	≤30.00	PASS
11AC40SISO	Ant1	5755	12.36	≤30.00	PASS
		5795	11.66	≤30.00	PASS
11AC80SISO	Ant1	5775	11.66	≤30.00	PASS



## MIMO

Test Mode	Channel	Frequency (MHz)	Ant 0 AVG Conducted Power (dBm)	Ant 1 AVG Conducted Power (dBm)	MIMO AVG Conducted Power (dBm)	Limit (dBm)	Verdict
11N20	149	5745	12.86	12.90	15.89	≤30	Pass
	157	5785	12.07	12.17	15.13		Pass
	165	5825	11.85	11.46	14.67		Pass
11N40	151	5755	12.52	12.19	15.37	≤30	Pass
	159	5795	11.72	11.50	14.62		Pass
11AC20	149	5745	13.19	12.74	15.98	≤30	Pass
	157	5785	12.35	12.35	15.36		Pass
	165	5825	11.74	11.38	14.57		Pass
11AC40	151	5755	12.67	12.36	15.53	≤30	Pass
	159	5795	12.02	11.66	14.85		Pass
11AC80	155	5775	11.98	11.66	14.83	≤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/MHz]	Verdict
11A	Ant0	5745	0.62	≤30.00	PASS
		5785	0.05	≤30.00	PASS
		5825	-0.86	≤30.00	PASS
11N20SISO	Ant0	5745	-1.73	≤30.00	PASS
		5785	-2.38	≤30.00	PASS
		5825	-3.3	≤30.00	PASS
11N40SISO	Ant0	5755	-5.08	≤30.00	PASS
		5795	-5.74	≤30.00	PASS
11AC20SISO	Ant0	5745	-1.72	≤30.00	PASS
		5785	-2.41	≤30.00	PASS
		5825	-3.42	≤30.00	PASS
11AC40SISO	Ant0	5755	-5.02	≤30.00	PASS
		5795	-5.49	≤30.00	PASS
11AC80SISO	Ant0	5775	-8.74	≤30.00	PASS

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	0.95	≤30.00	PASS
		5785	0.15	≤30.00	PASS
		5825	-0.66	≤30.00	PASS
11N20SISO	Ant1	5745	-1.57	≤30.00	PASS
		5785	-2.28	≤30.00	PASS
		5825	-3.22	≤30.00	PASS
11N40SISO	Ant1	5755	-4.94	≤30.00	PASS
		5795	-5.81	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.62	≤30.00	PASS
		5785	-2.27	≤30.00	PASS
		5825	-2.99	≤30.00	PASS
11AC40SISO	Ant1	5755	-4.87	≤30.00	PASS
		5795	-5.3	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.49	≤30.00	PASS



## MIMO

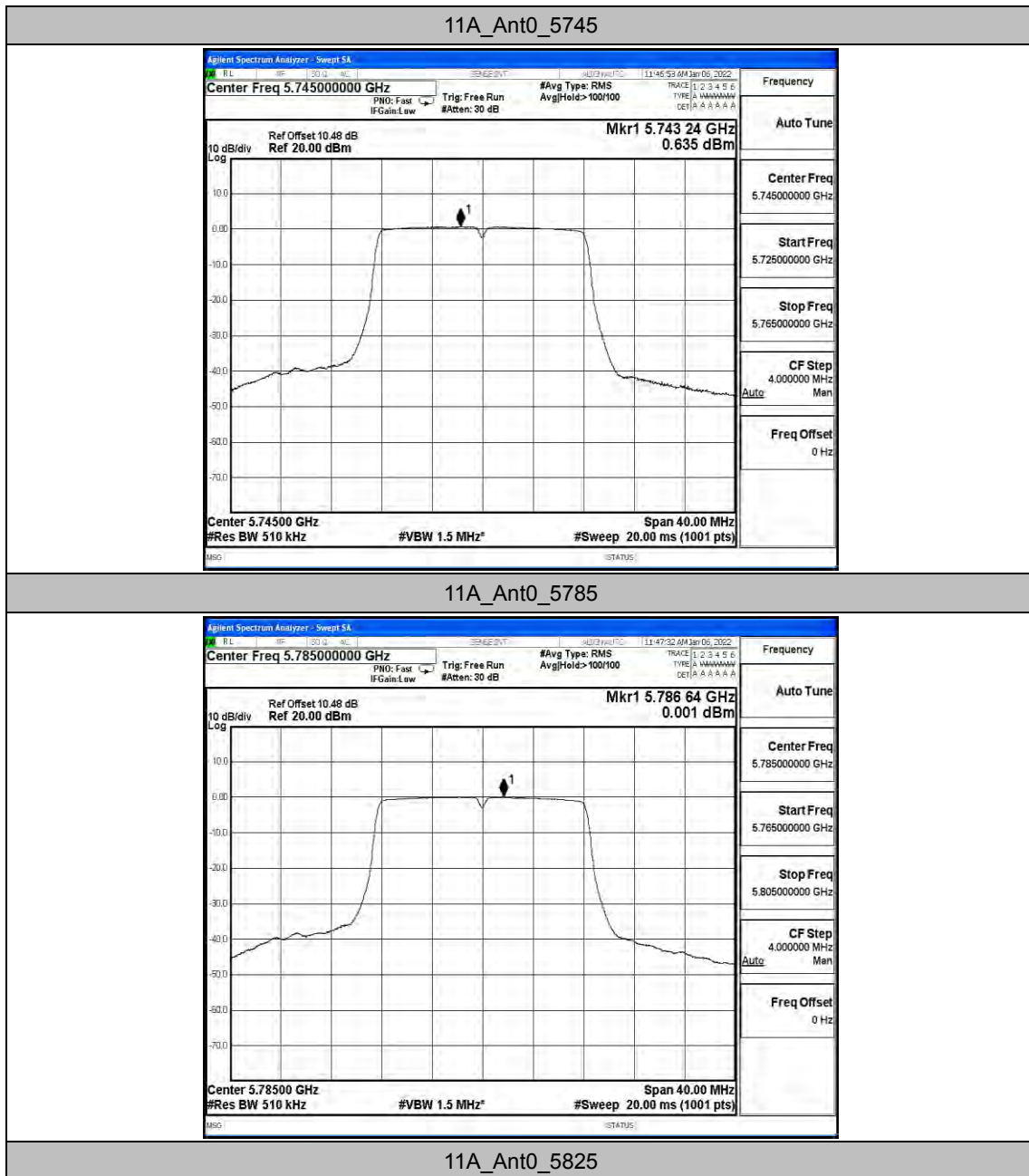
Test Mode	Channel	Frequency (MHz)	Ant 0 Power Density (dBm/500KHz)	Ant 1 Power Density (dBm/500KHz)	MIMO Power Density (dBm/500KHz)	Report Power Density (dBm/500KHz)	Verdict
11N20	149	5745	-1.73	-1.57	1.36	≤30	Pass
	157	5785	-2.38	-2.28	0.68		Pass
	165	5825	-3.3	-3.22	-0.25		Pass
11N40	151	5755	-5.08	-4.94	-2.00	≤30	Pass
	159	5795	-5.74	-5.81	-2.76		Pass
11AC20	149	5745	-1.72	-1.62	1.34	≤30	Pass
	157	5785	-2.41	-2.27	0.67		Pass
	165	5825	-3.42	-2.99	-0.19		Pass
11AC40	151	5755	-5.02	-4.87	-1.93	≤30	Pass
	159	5795	-5.49	-5.3	-2.38		Pass
11AC80	155	5775	-8.74	-8.49	-5.60	≤30	Pass

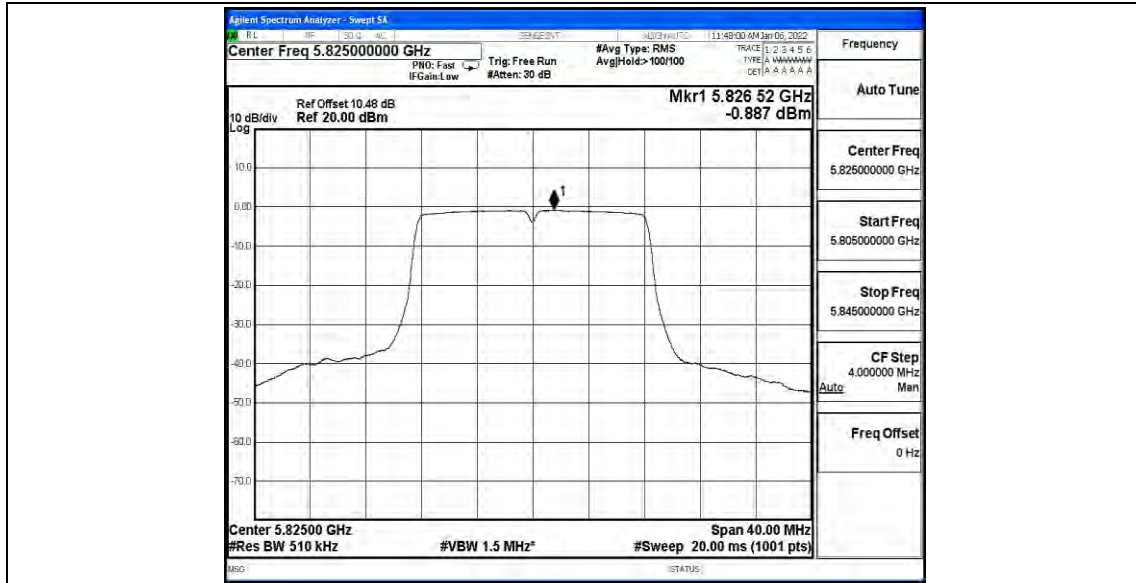
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

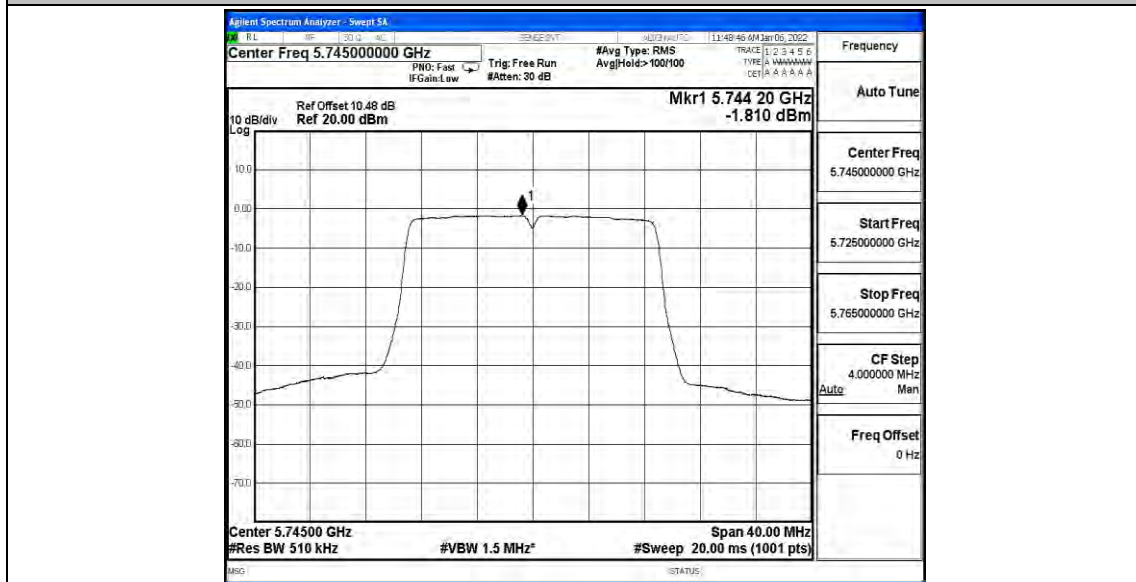


### Test Graphs

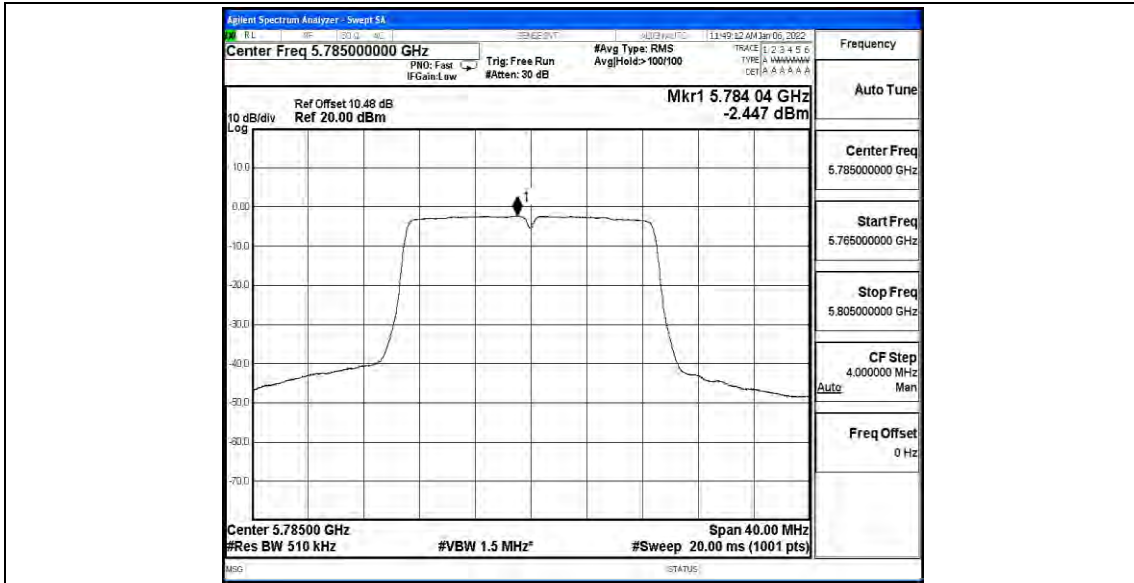




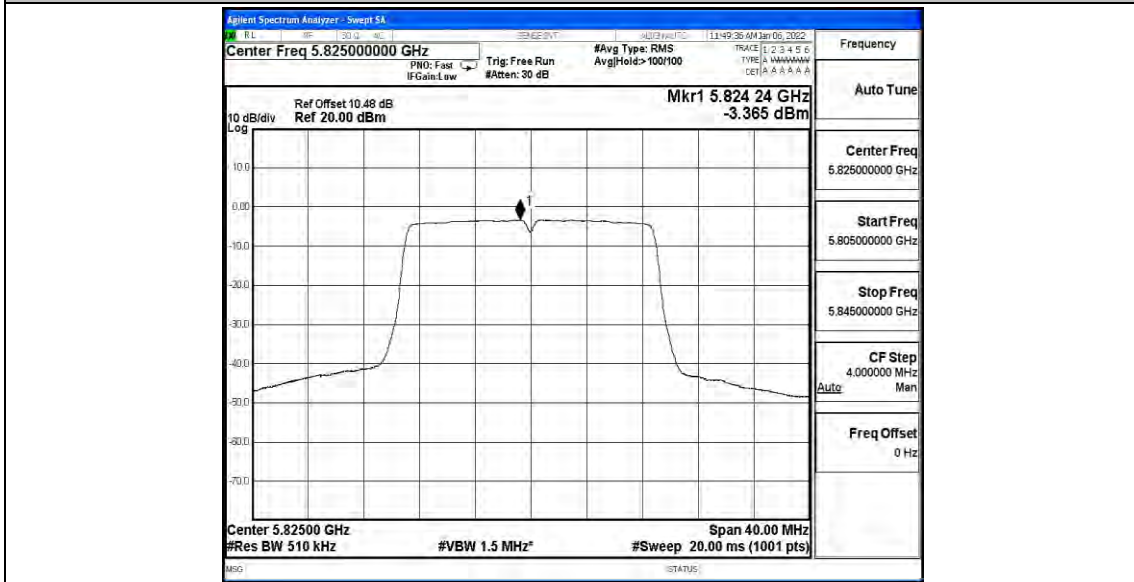
11N20SISO\_Ant0\_5745



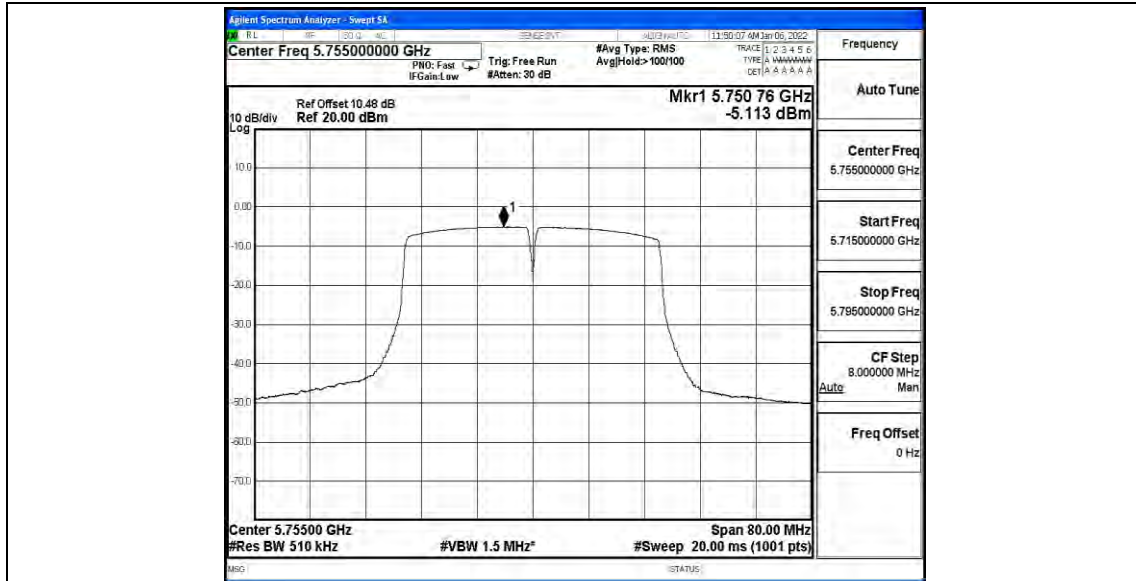
11N20SISO\_Ant0\_5785



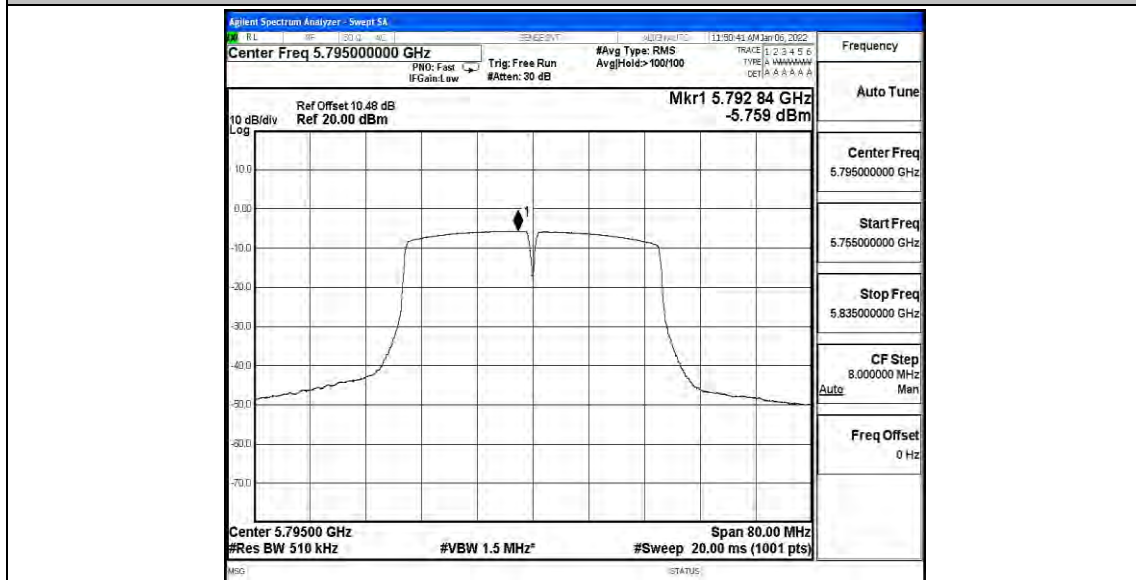
11N20SISO\_Ant0\_5825



11N40SISO\_Ant0\_5755

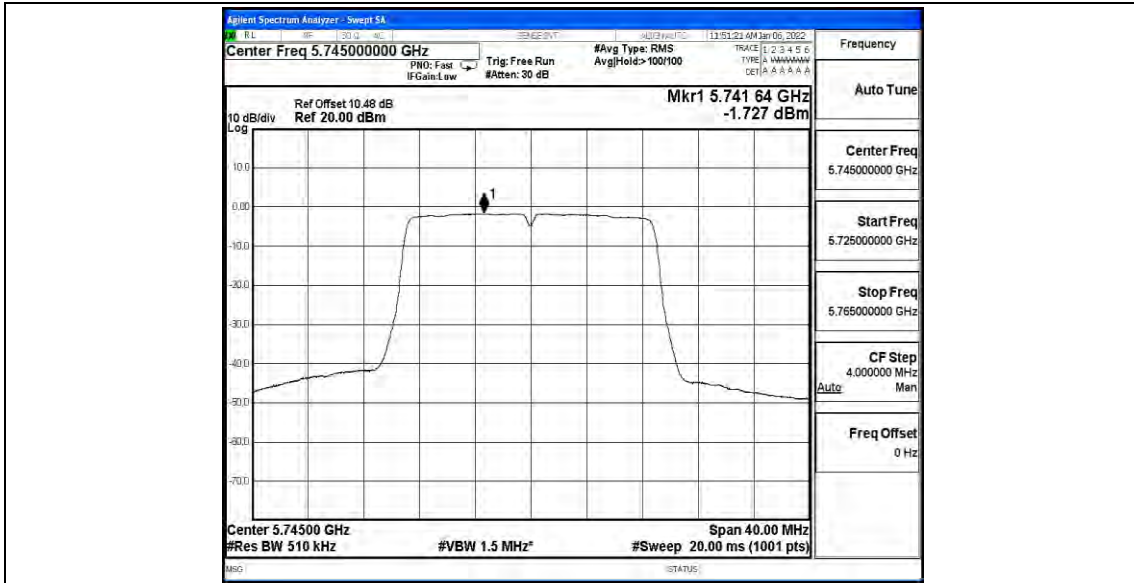


11N40SISO\_Ant0\_5795

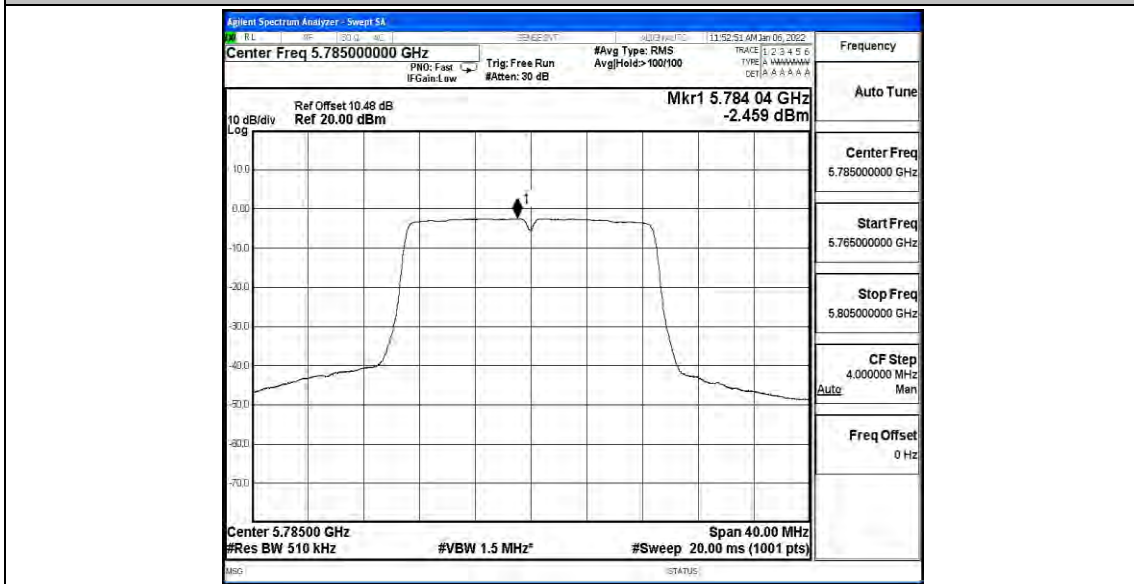


11AC20SISO\_Ant0\_5745

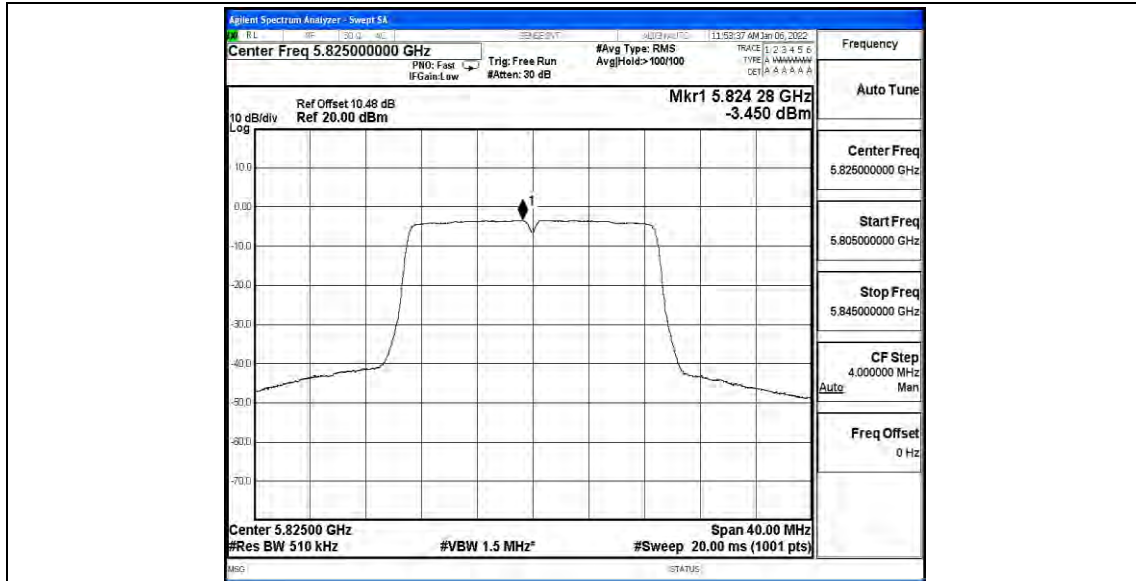




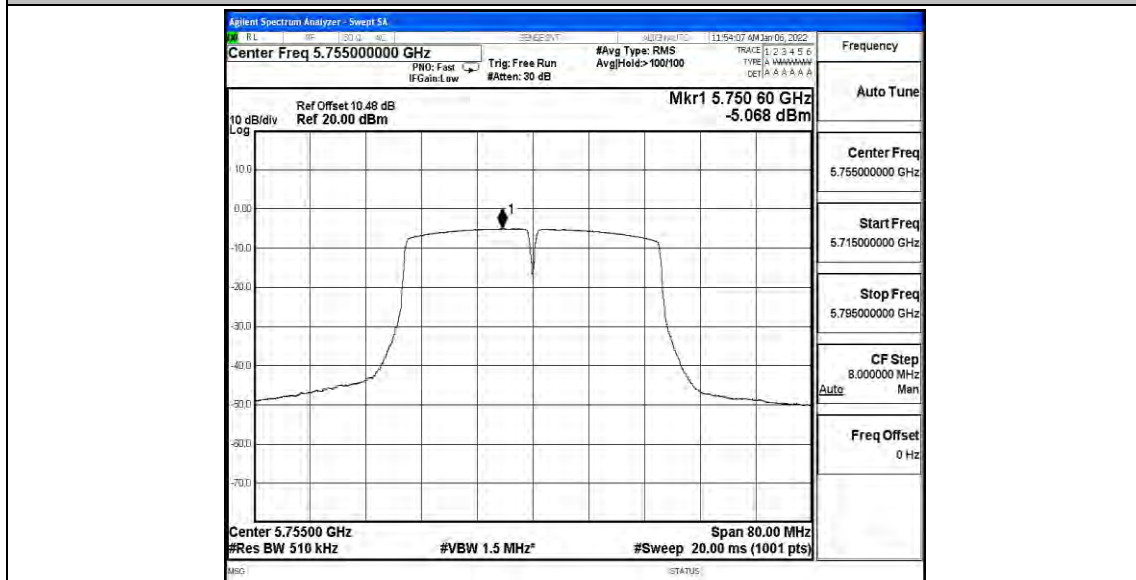
11AC20SISO\_Ant0\_5785



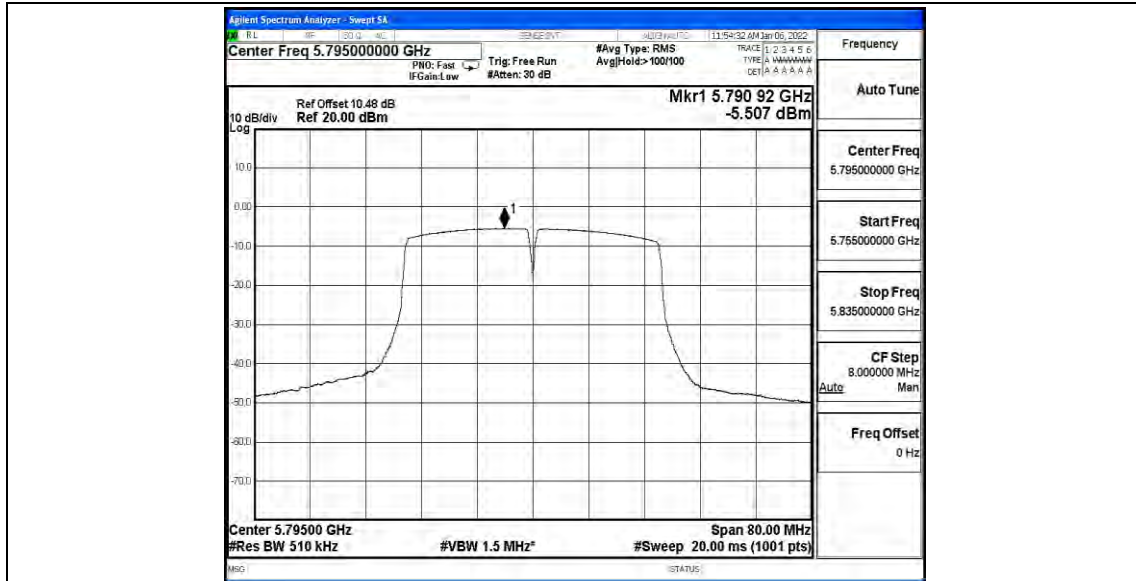
11AC20SISO\_Ant0\_5825



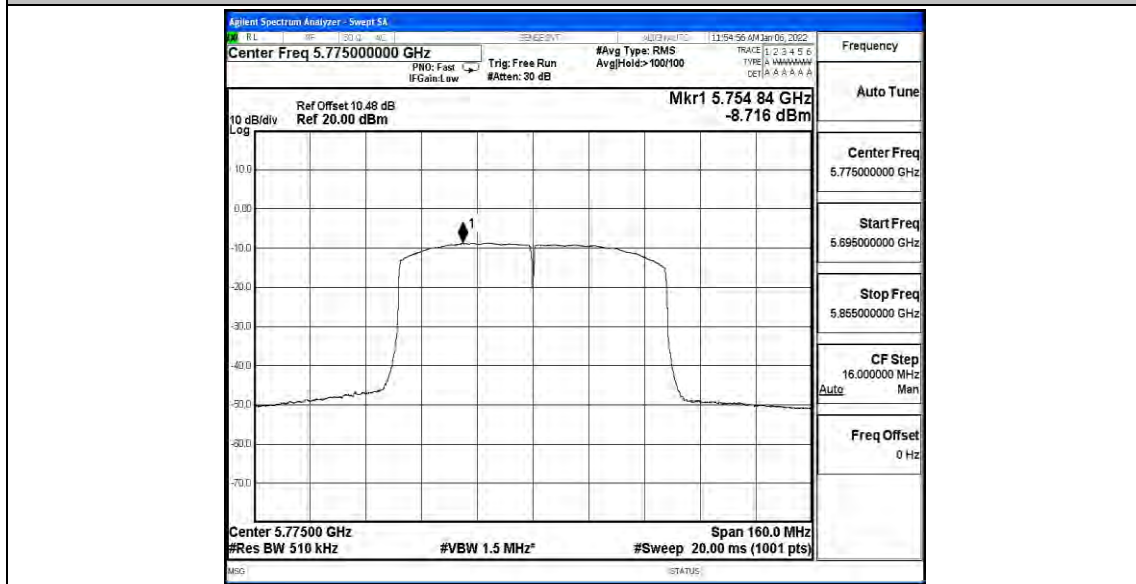
11AC40SISO\_Ant0\_5755



11AC40SISO\_Ant0\_5795

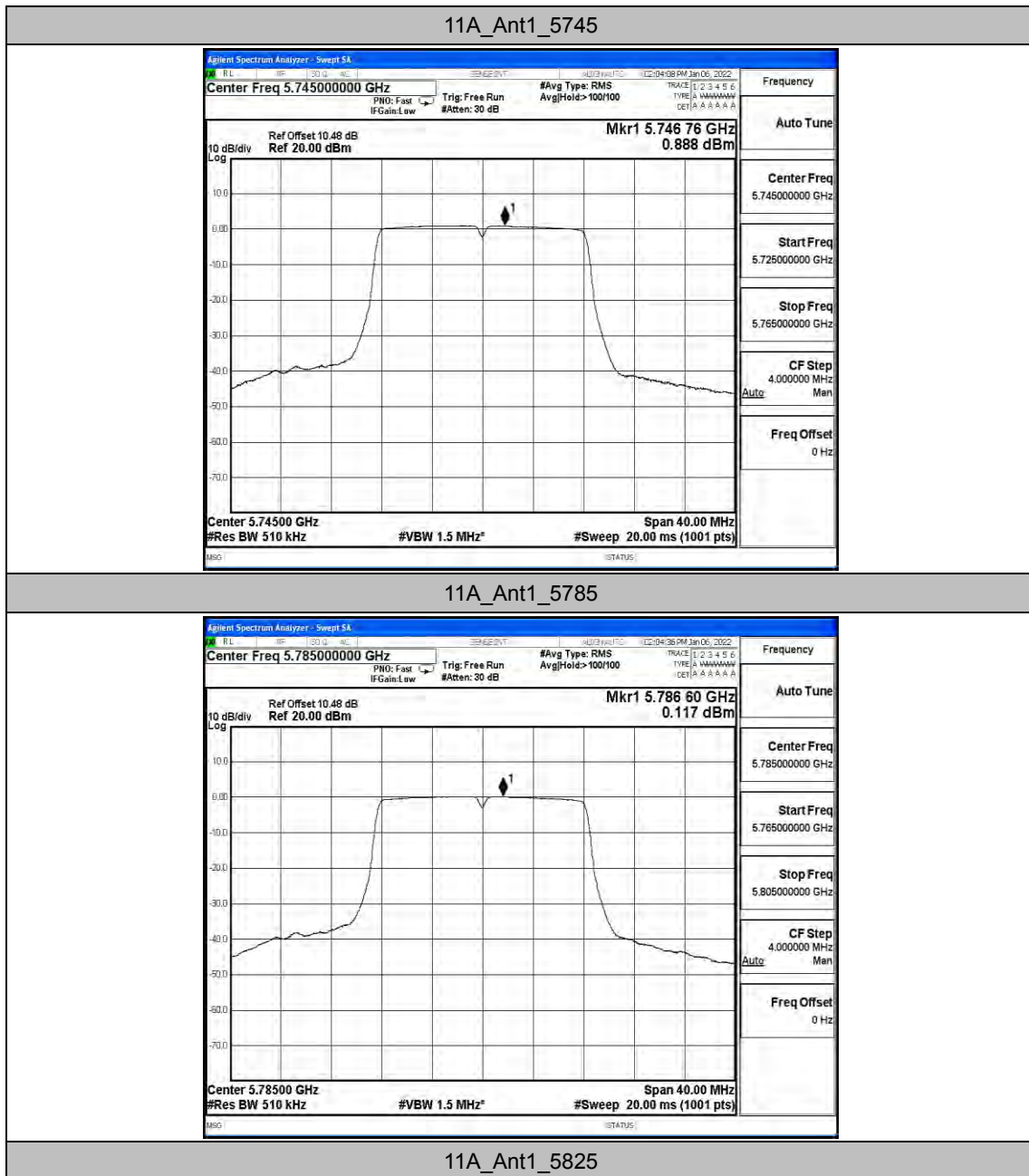


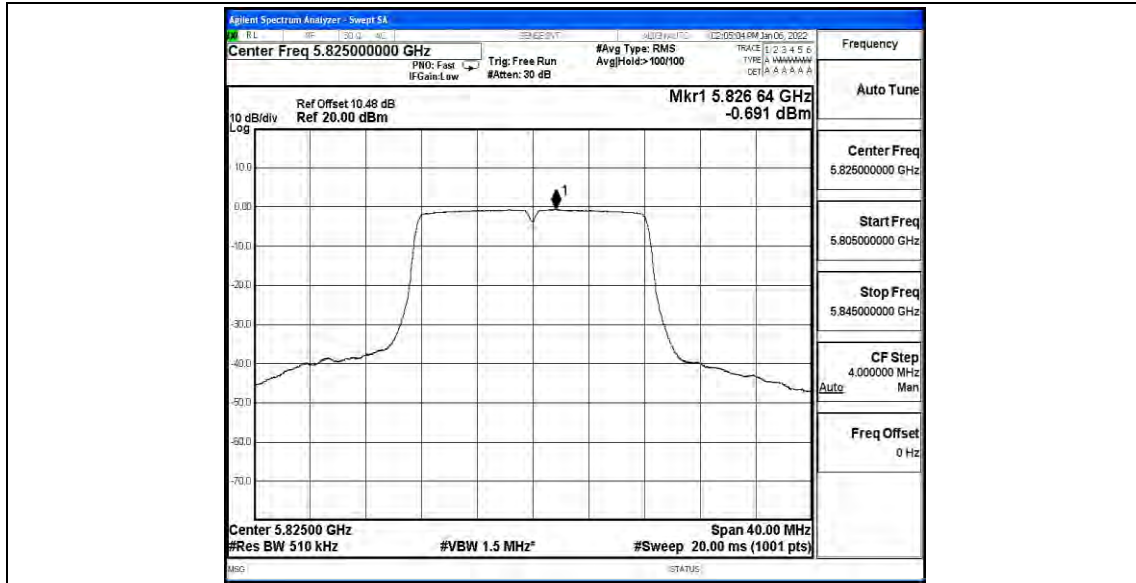
11AC80SISO\_Ant0\_5775



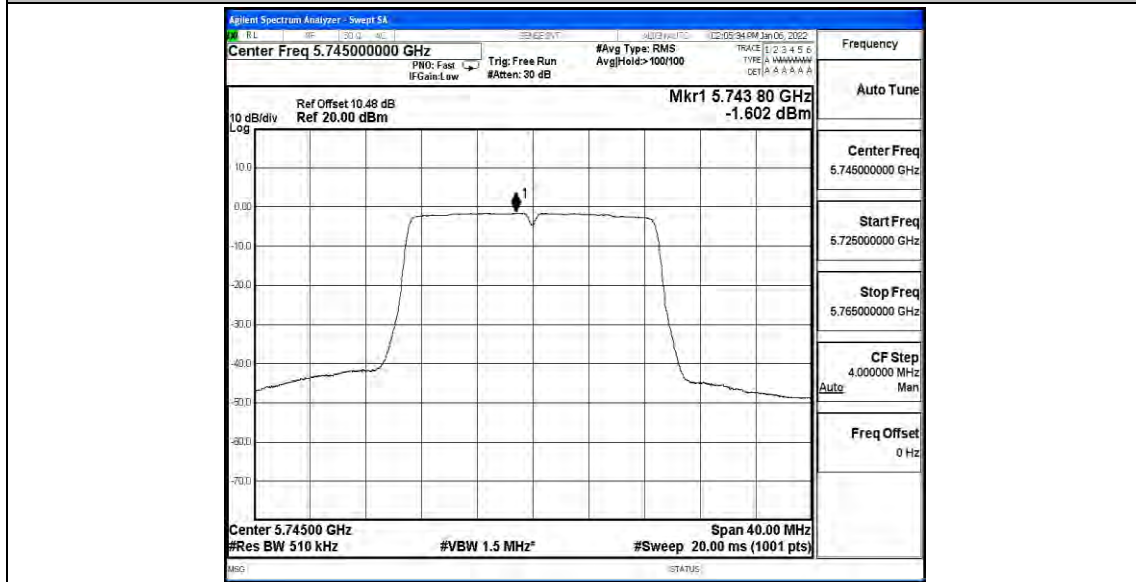


### Test Graphs

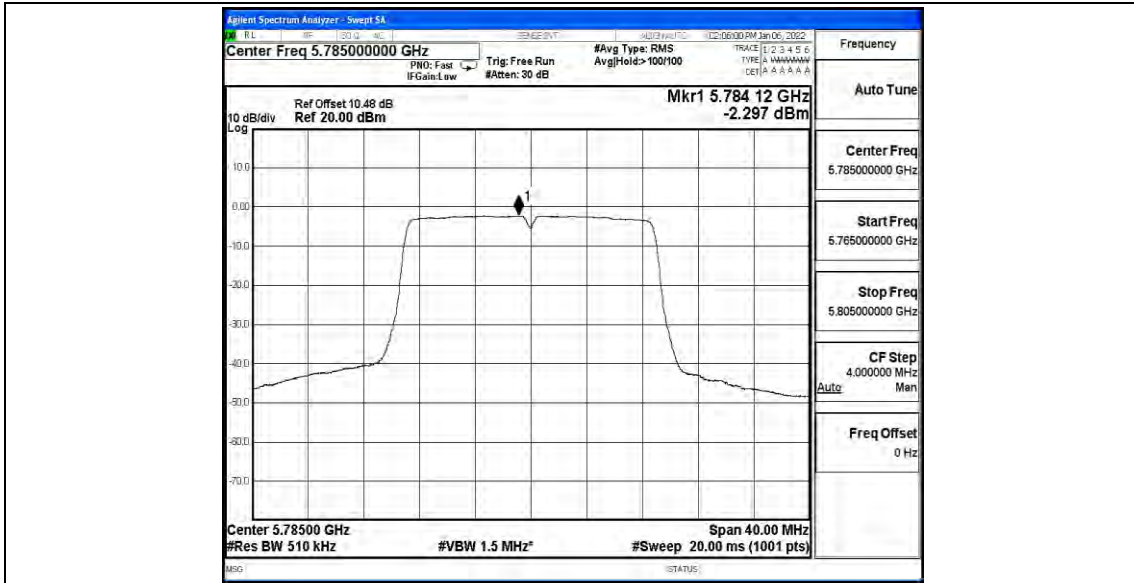




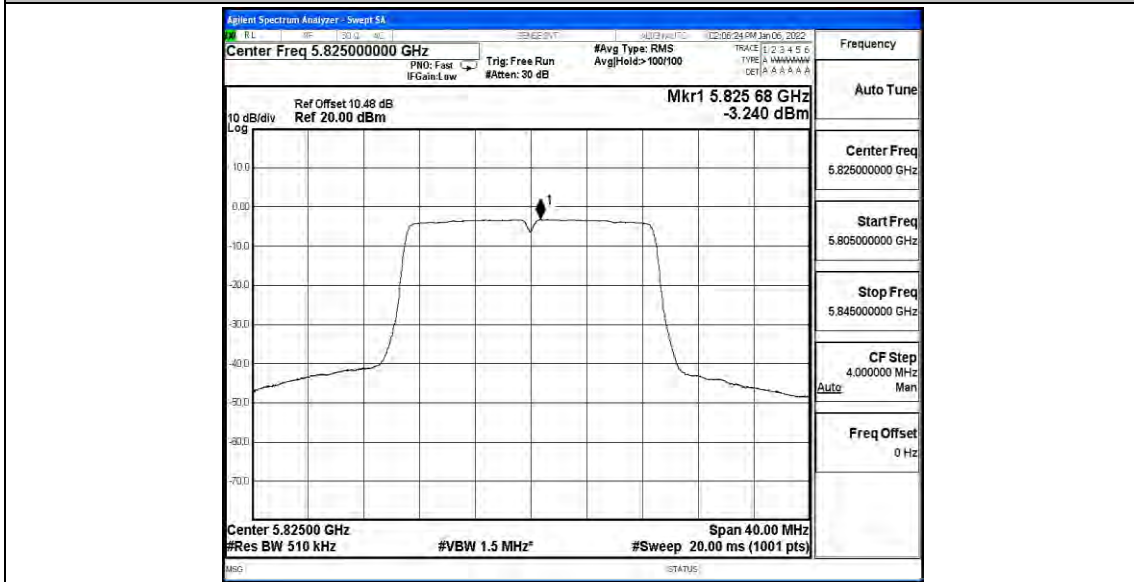
11N20SISO\_Ant1\_5745



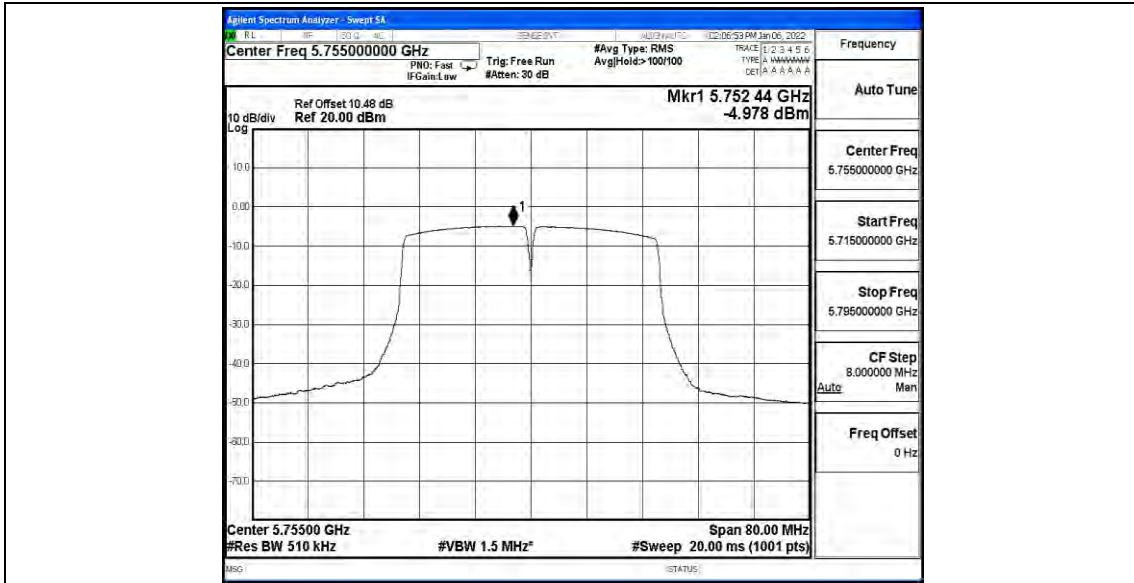
11N20SISO\_Ant1\_5785



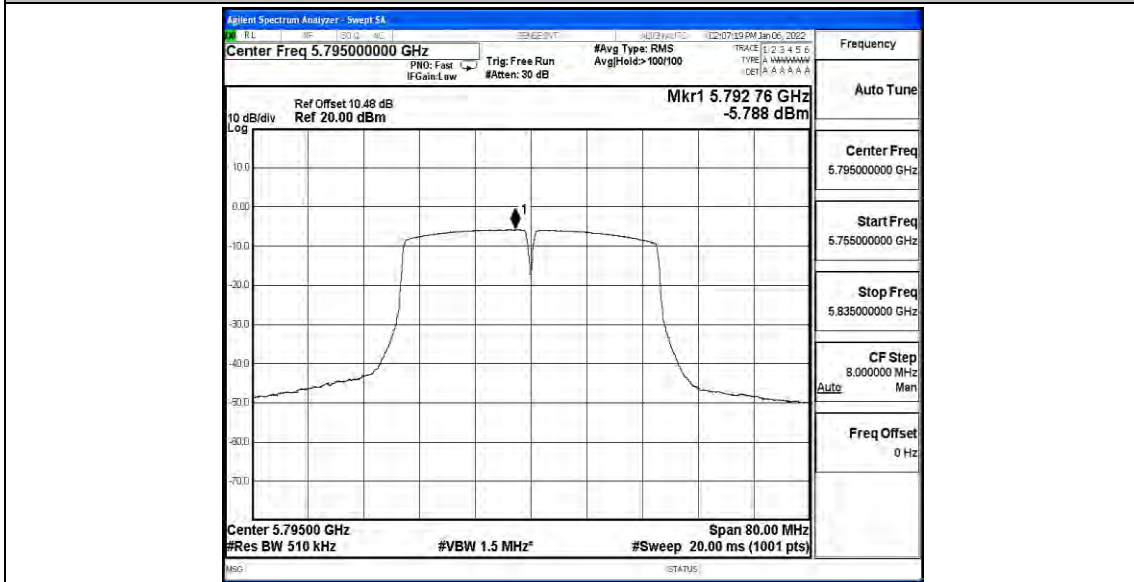
11N20SISO\_Ant1\_5825



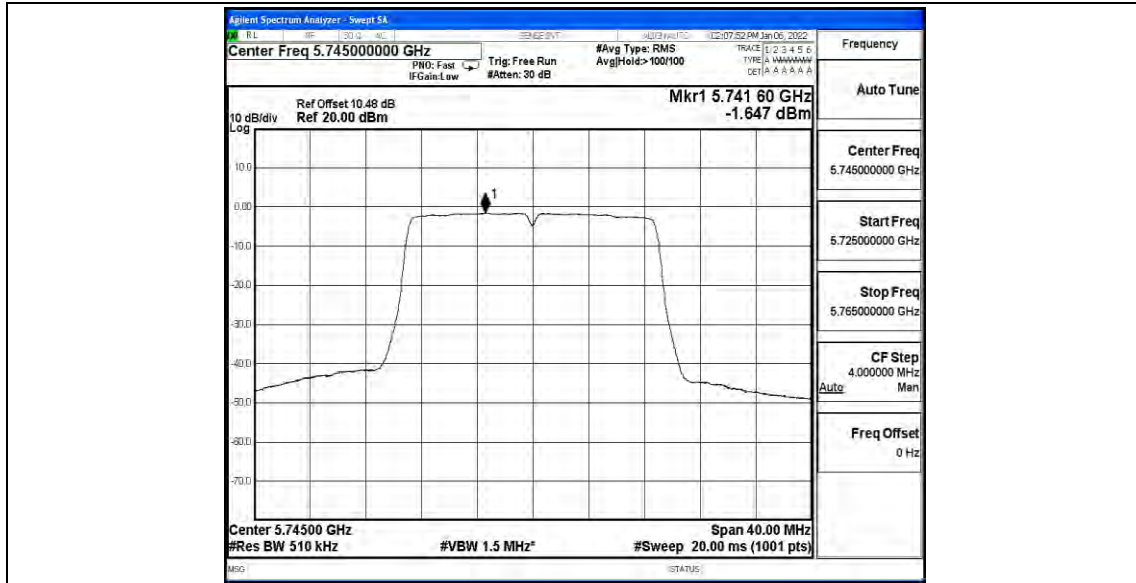
11N40SISO\_Ant1\_5755



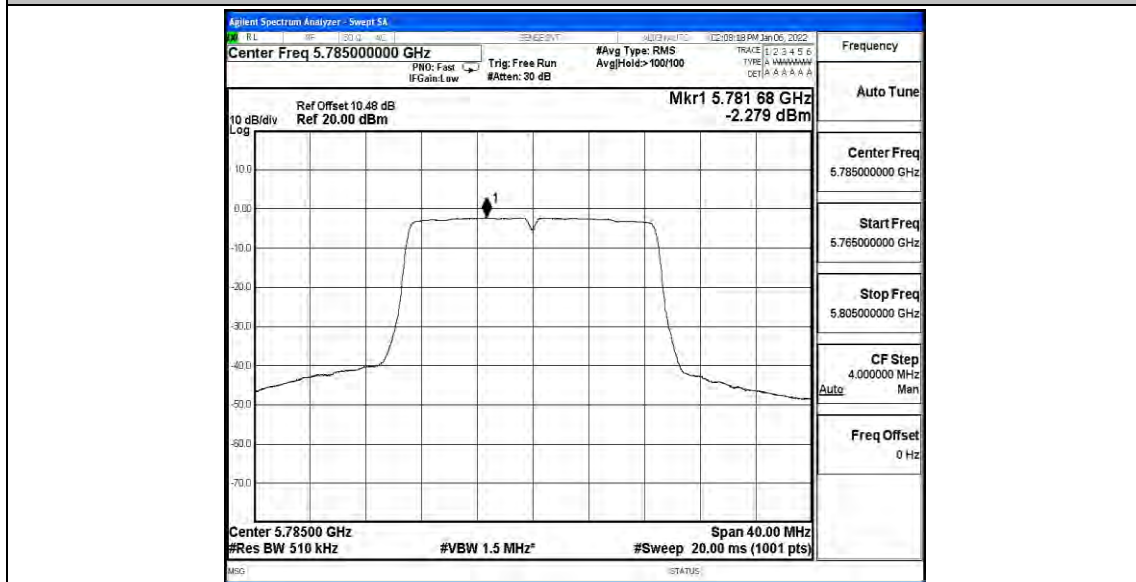
11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5745

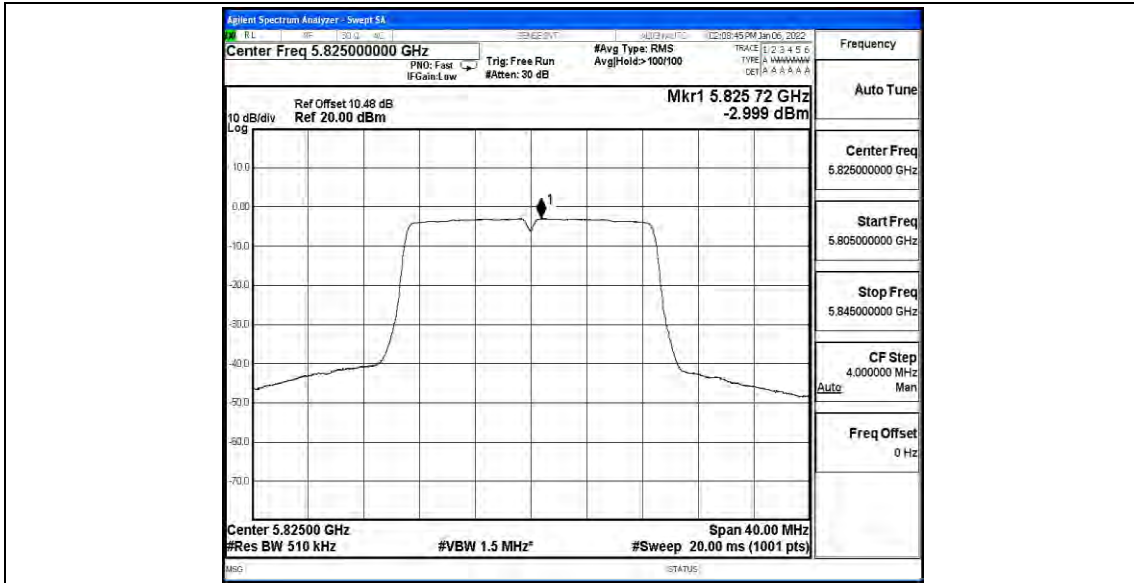


11AC20SISO\_Ant1\_5785

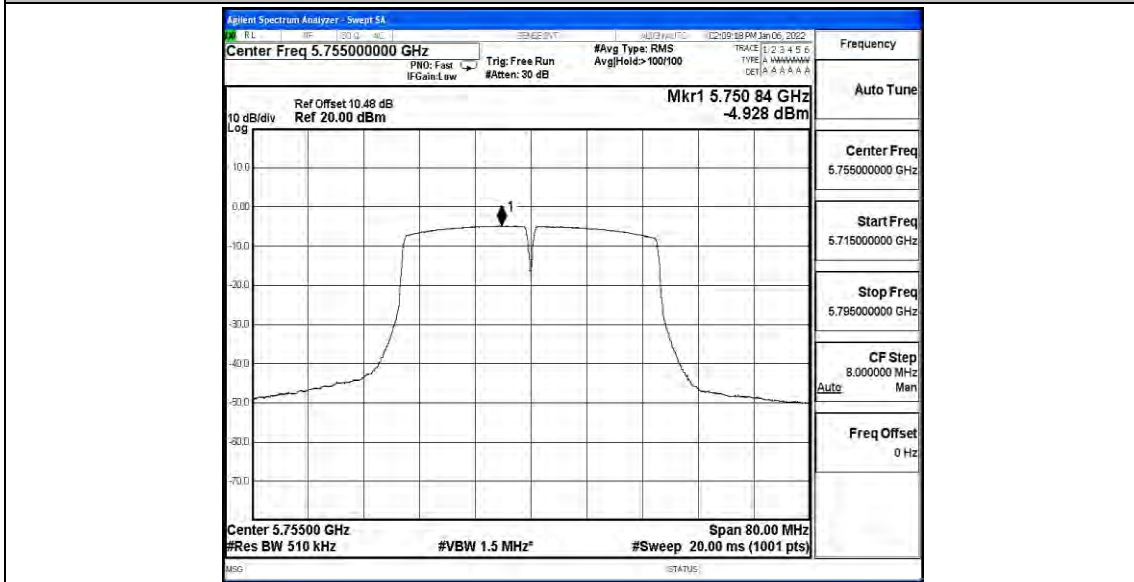


11AC20SISO\_Ant1\_5825

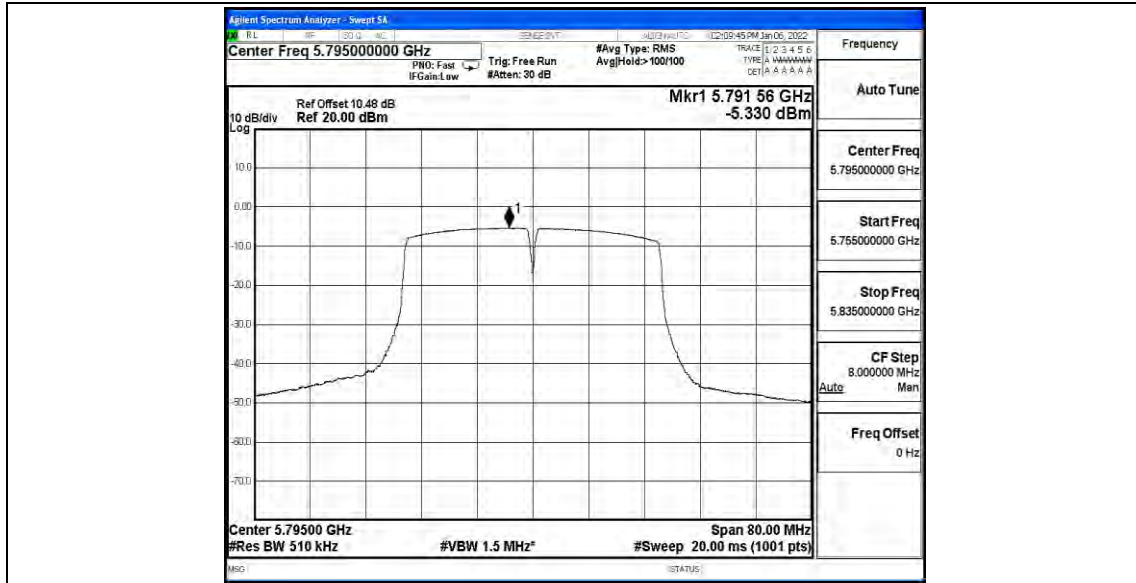




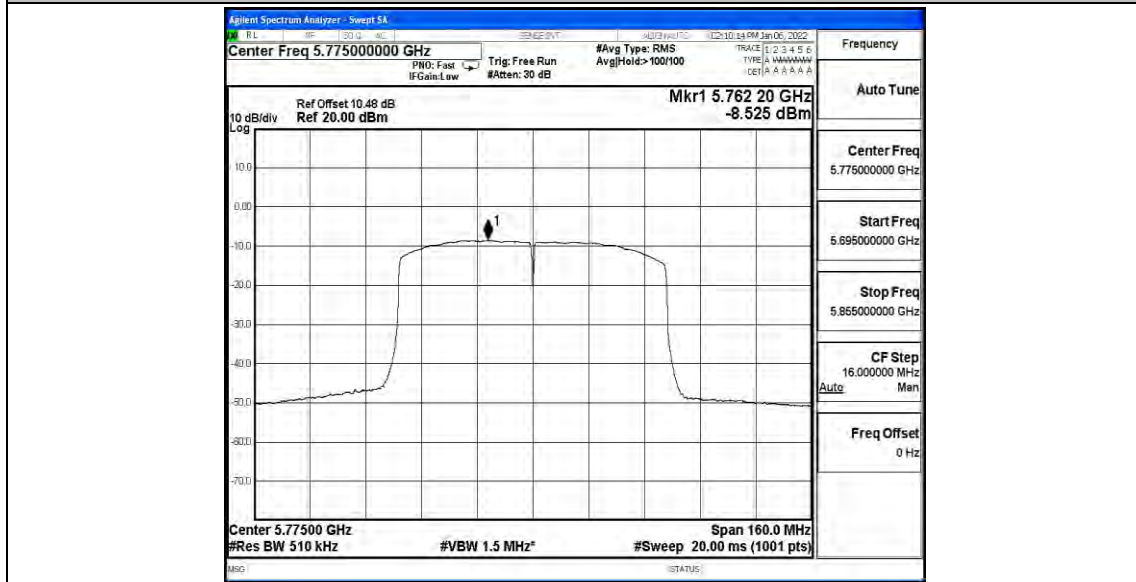
11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775





## E.4 Emissions in Restricted Bands

### Test Result

TestMode	Antenna	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant0	5745	Peak	5650.000	-46.307	≤-27.00	PASS
			Peak	5700.000	-47.62	≤10.00	PASS
			Peak	5720.000	-43.45	≤15.60	PASS
			Peak	5725.000	-38.12	≤27.00	PASS
		5825	Peak	5850.000	-45.668	≤15.60	PASS
			Peak	5855.000	-46.06	≤27.00	PASS
			Peak	5875.000	-46.08	≤15.60	PASS
			Peak	5925.000	-46.6	≤10.00	PASS
11N20SISO	Ant0	5745	Peak	5650.000	-46.173	≤-27.00	PASS
			Peak	5700.000	-46.81	≤10.00	PASS
			Peak	5720.000	-44.89	≤15.60	PASS
			Peak	5725.000	-35.82	≤27.00	PASS
		5825	Peak	5850.000	-42.957	≤15.60	PASS
			Peak	5855.000	-46.2	≤27.00	PASS
			Peak	5875.000	-46.65	≤15.60	PASS
			Peak	5925.000	-47.01	≤10.00	PASS
11N40SISO	Ant0	5755	Peak	5650.000	-47.704	≤-27.00	PASS
			Peak	5700.000	-47.06	≤10.00	PASS
			Peak	5720.000	-40.28	≤15.60	PASS
			Peak	5725.000	-39.31	≤27.00	PASS
		5795	Peak	5850.000	-45.68	≤15.60	PASS
			Peak	5855.000	-46.41	≤27.00	PASS
			Peak	5875.000	-45.4	≤15.60	PASS
			Peak	5925.000	-47.78	≤10.00	PASS
11AC20SISO	Ant0	5745	Peak	5650.000	-46.941	≤-27.00	PASS
			Peak	5700.000	-45.94	≤10.00	PASS
			Peak	5720.000	-43.68	≤15.60	PASS
			Peak	5725.000	-38.23	≤27.00	PASS
		5825	Peak	5850.000	-44.076	≤15.60	PASS
			Peak	5855.000	-46.26	≤27.00	PASS
			Peak	5875.000	-46.05	≤15.60	PASS
			Peak	5925.000	-46.83	≤10.00	PASS
11AC40SISO	Ant0	5755	Peak	5650.000	-46.338	≤-27.00	PASS
			Peak	5700.000	-45.05	≤10.00	PASS
			Peak	5720.000	-40.86	≤15.60	PASS
			Peak	5725.000	-38.47	≤27.00	PASS



		5795	Peak	5850.000	-46.054	≤15.60	PASS
			Peak	5855.000	-44.95	≤27.00	PASS
			Peak	5875.000	-45.89	≤15.60	PASS
			Peak	5925.000	-47.58	≤10.00	PASS
11AC80SISO	Ant0	5775	Peak	5650.000	-47.442	≤-27.00	PASS
			Peak	5700.000	-44.4	≤10.00	PASS
			Peak	5720.000	-41.32	≤15.60	PASS
			Peak	5725.000	-39.69	≤27.00	PASS
		5775	Peak	5850.000	-45.097	≤15.60	PASS
			Peak	5855.000	-46.38	≤27.00	PASS
			Peak	5875.000	-47.25	≤15.60	PASS
			Peak	5925.000	-46.72	≤10.00	PASS

TestMode	Antenna	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	Peak	5650.000	-43.461	≤-27.00	PASS
			Peak	5700.000	-43.31	≤10.00	PASS
			Peak	5720.000	-30.48	≤15.60	PASS
			Peak	5725.000	-26.3	≤27.00	PASS
		5825	Peak	5850.000	-36.642	≤15.60	PASS
			Peak	5855.000	-40.92	≤27.00	PASS
			Peak	5875.000	-44.95	≤15.60	PASS
			Peak	5925.000	-45.19	≤10.00	PASS
11N20 SISO	Ant1	5745	Peak	5650.000	-45.035	≤-27.00	PASS
			Peak	5700.000	-44.37	≤10.00	PASS
			Peak	5720.000	-38.13	≤15.60	PASS
			Peak	5725.000	-30.97	≤27.00	PASS
		5825	Peak	5850.000	-38.368	≤15.60	PASS
			Peak	5855.000	-43.65	≤27.00	PASS
			Peak	5875.000	-44.59	≤15.60	PASS
			Peak	5925.000	-46.92	≤10.00	PASS
11N40 SISO	Ant1	5755	Peak	5650.000	-45.055	≤-27.00	PASS
			Peak	5700.000	-42.23	≤10.00	PASS
			Peak	5720.000	-34.67	≤15.60	PASS
			Peak	5725.000	-32.45	≤27.00	PASS
		5795	Peak	5850.000	-43.544	≤15.60	PASS
			Peak	5855.000	-45.04	≤27.00	PASS
			Peak	5875.000	-44.26	≤15.60	PASS
			Peak	5925.000	-45.76	≤10.00	PASS
11AC20 SISO	Ant1	5745	Peak	5650.000	-45.449	≤-27.00	PASS
			Peak	5700.000	-43.75	≤10.00	PASS
			Peak	5720.000	-36.39	≤15.60	PASS



		5825	Peak	5725.000	-32.65	≤27.00	PASS
			Peak	5850.000	-39.563	≤15.60	PASS
			Peak	5855.000	-43.9	≤27.00	PASS
			Peak	5875.000	-44.98	≤15.60	PASS
			Peak	5925.000	-44.74	≤10.00	PASS
11AC40 SISO	Ant1	5755	Peak	5650.000	-45.733	≤-27.00	PASS
			Peak	5700.000	-42.87	≤10.00	PASS
			Peak	5720.000	-34.01	≤15.60	PASS
			Peak	5725.000	-31.53	≤27.00	PASS
		5795	Peak	5850.000	-43.644	≤15.60	PASS
			Peak	5855.000	-44.42	≤27.00	PASS
			Peak	5875.000	-45.18	≤15.60	PASS
			Peak	5925.000	-46.08	≤10.00	PASS
11AC80 SISO	Ant1	5775	Peak	5650.000	-44.682	≤-27.00	PASS
			Peak	5700.000	-39.81	≤10.00	PASS
			Peak	5720.000	-36.28	≤15.60	PASS
			Peak	5725.000	-32.33	≤27.00	PASS
		5775	Peak	5850.000	-39.402	≤15.60	PASS
			Peak	5855.000	-41.44	≤27.00	PASS
			Peak	5875.000	-44.38	≤15.60	PASS
			Peak	5925.000	-46.05	≤10.00	PASS



MIMO

TestMode	Channel	Detector	Freq. [MHz]	Ant0 [dBm]	Ant1 [dBm]	Sum [dBm]	Limit [dBm]	Verdict
11N20	5745	Peak	5650.000	-46.173	-45.035	-42.56	≤-27.00	PASS
		Peak	5700.000	-46.81	-44.37	-42.41	≤10.00	PASS
		Peak	5720.000	-44.89	-38.13	-37.30	≤15.60	PASS
		Peak	5725.000	-35.82	-30.97	-29.74	≤27.00	PASS
	5825	Peak	5850.000	-42.957	-38.368	-37.07	≤15.60	PASS
		Peak	5855.000	-46.2	-43.65	-41.73	≤27.00	PASS
		Peak	5875.000	-46.65	-44.59	-42.49	≤15.60	PASS
		Peak	5925.000	-47.01	-46.92	-43.95	≤10.00	PASS
11N40	5755	Peak	5650.000	-47.704	-45.055	-43.17	≤-27.00	PASS
		Peak	5700.000	-47.06	-42.23	-41.00	≤10.00	PASS
		Peak	5720.000	-40.28	-34.67	-33.62	≤15.60	PASS
		Peak	5725.000	-39.31	-32.45	-31.64	≤27.00	PASS
	5795	Peak	5850.000	-45.68	-43.544	-41.47	≤15.60	PASS
		Peak	5855.000	-46.41	-45.04	-42.66	≤27.00	PASS
		Peak	5875.000	-45.4	-44.26	-41.78	≤15.60	PASS
		Peak	5925.000	-47.78	-45.76	-43.64	≤10.00	PASS
11AC20	5745	Peak	5650.000	-46.941	-45.449	-43.12	≤-27.00	PASS
		Peak	5700.000	-45.94	-43.75	-41.70	≤10.00	PASS
		Peak	5720.000	-43.68	-36.39	-35.65	≤15.60	PASS
		Peak	5725.000	-38.23	-32.65	-31.59	≤27.00	PASS
	5825	Peak	5850.000	-44.076	-39.563	-38.25	≤15.60	PASS
		Peak	5855.000	-46.26	-43.9	-41.91	≤27.00	PASS
		Peak	5875.000	-46.05	-44.98	-42.47	≤15.60	PASS
		Peak	5925.000	-46.83	-44.74	-42.65	≤10.00	PASS
11AC40	5755	Peak	5650.000	-46.338	-45.733	-43.01	≤-27.00	PASS
		Peak	5700.000	-45.05	-42.87	-40.81	≤10.00	PASS
		Peak	5720.000	-40.86	-34.01	-33.19	≤15.60	PASS
		Peak	5725.000	-38.47	-31.53	-30.73	≤27.00	PASS
	5795	Peak	5850.000	-46.054	-43.644	-41.67	≤15.60	PASS
		Peak	5855.000	-44.95	-44.42	-41.67	≤27.00	PASS
		Peak	5875.000	-45.89	-45.18	-42.51	≤15.60	PASS
		Peak	5925.000	-47.58	-46.08	-43.76	≤10.00	PASS



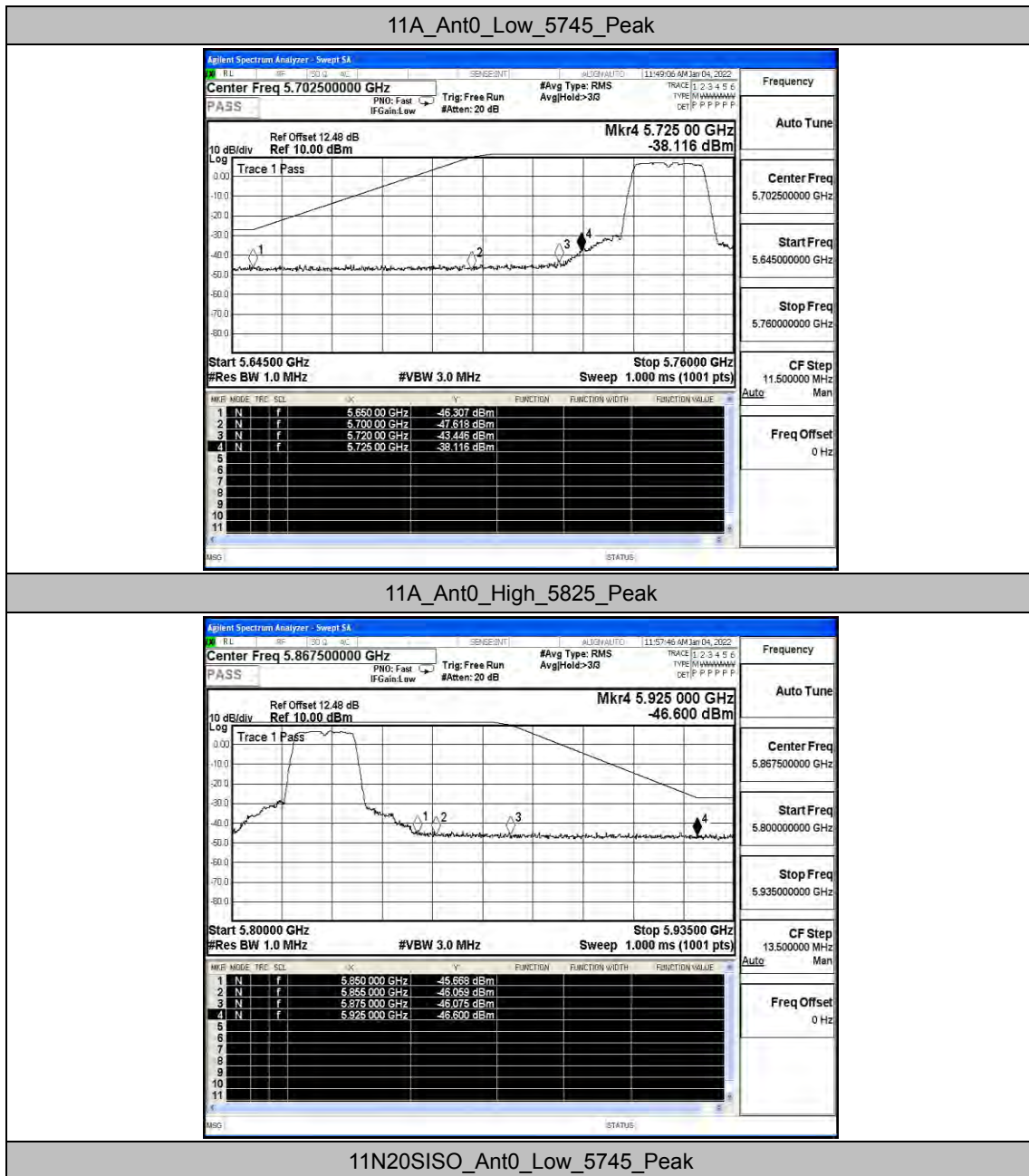
11AC80	5775	Peak	5650.000	-47.442	-44.682	-42.84	≤-27.00	PASS
		Peak	5700.000	-44.4	-39.81	-38.51	≤10.00	PASS
		Peak	5720.000	-41.32	-36.28	-35.10	≤15.60	PASS
		Peak	5725.000	-39.69	-32.33	-31.60	≤27.00	PASS
	5775	Peak	5850.000	-45.097	-39.402	-38.37	≤15.60	PASS
		Peak	5855.000	-46.38	-41.44	-40.23	≤27.00	PASS
		Peak	5875.000	-47.25	-44.38	-42.57	≤15.60	PASS
		Peak	5925.000	-46.72	-46.05	-43.36	≤10.00	PASS

## Note:

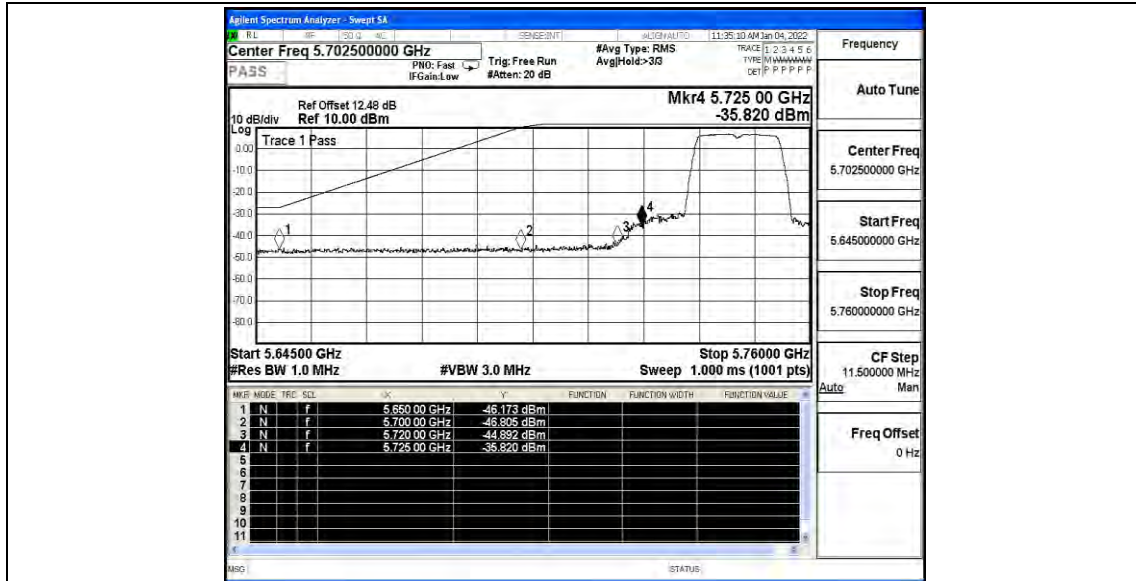
1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



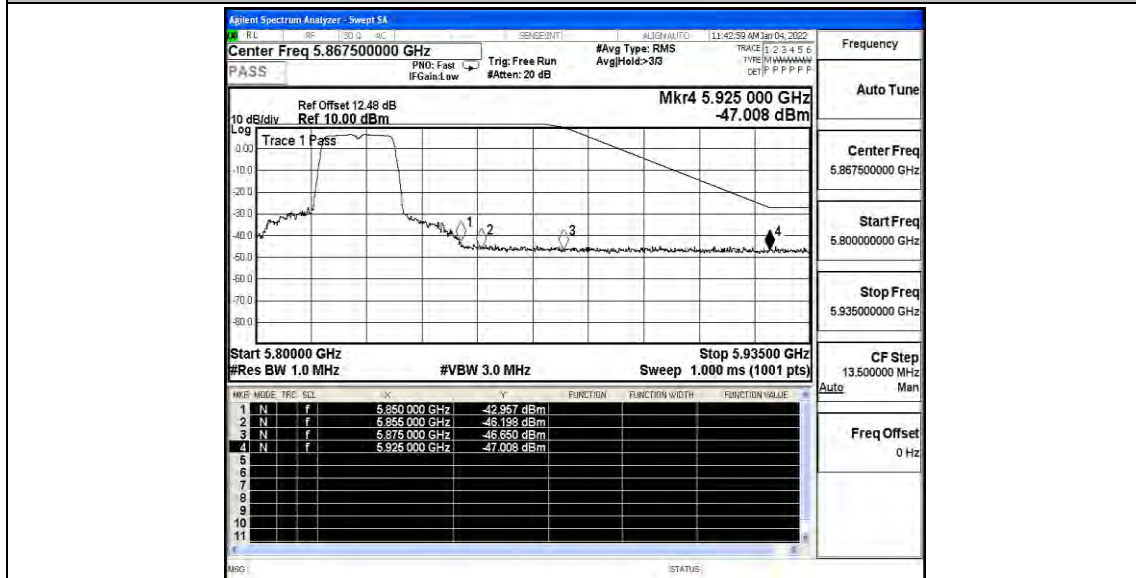
### Test Graphs



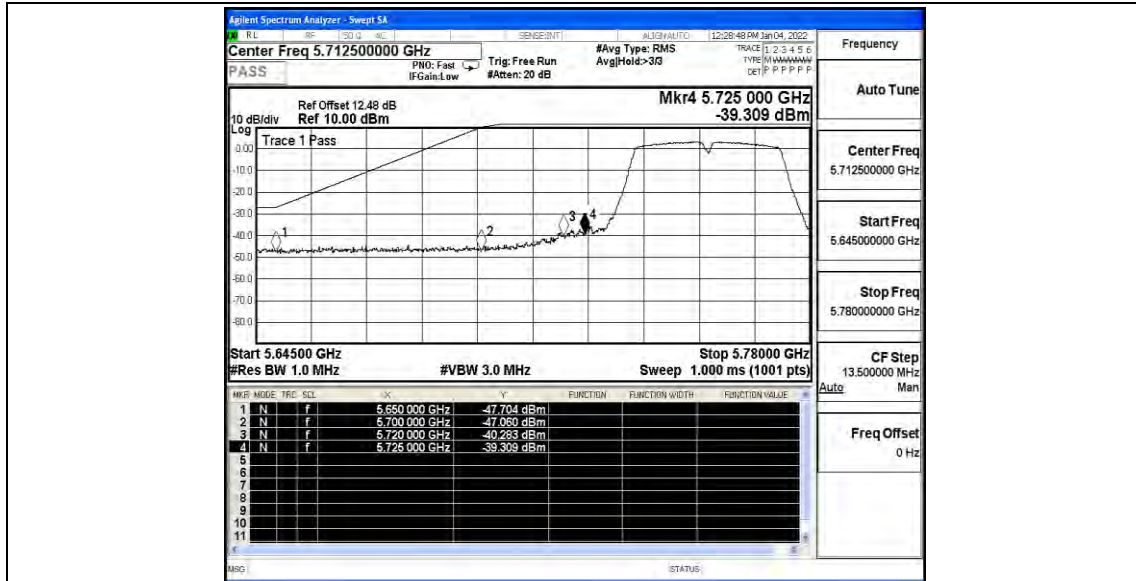




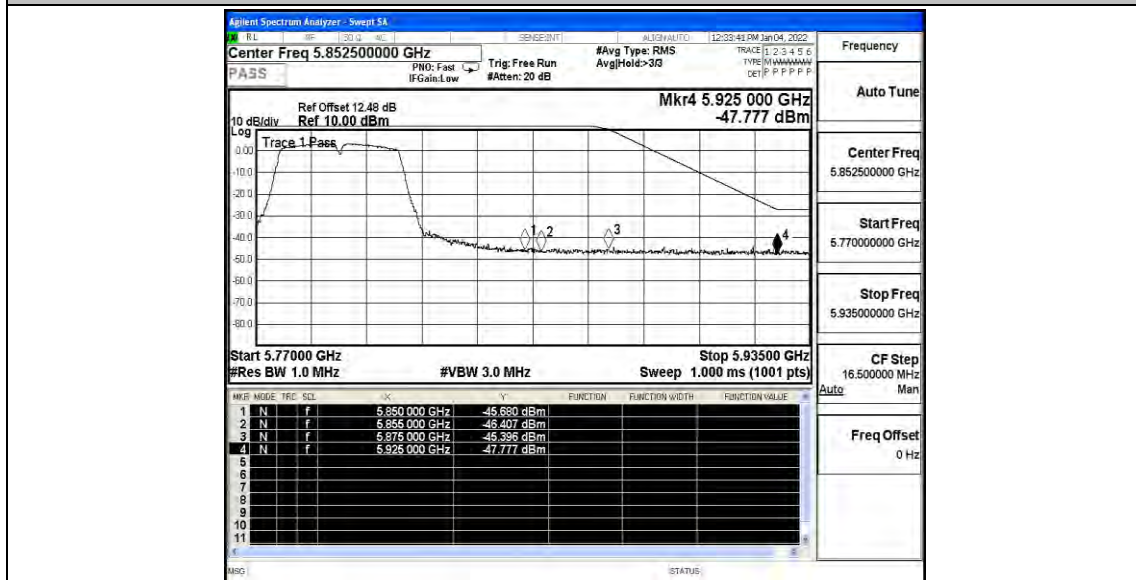
11N20SISO\_Ant0\_High\_5825\_Peak



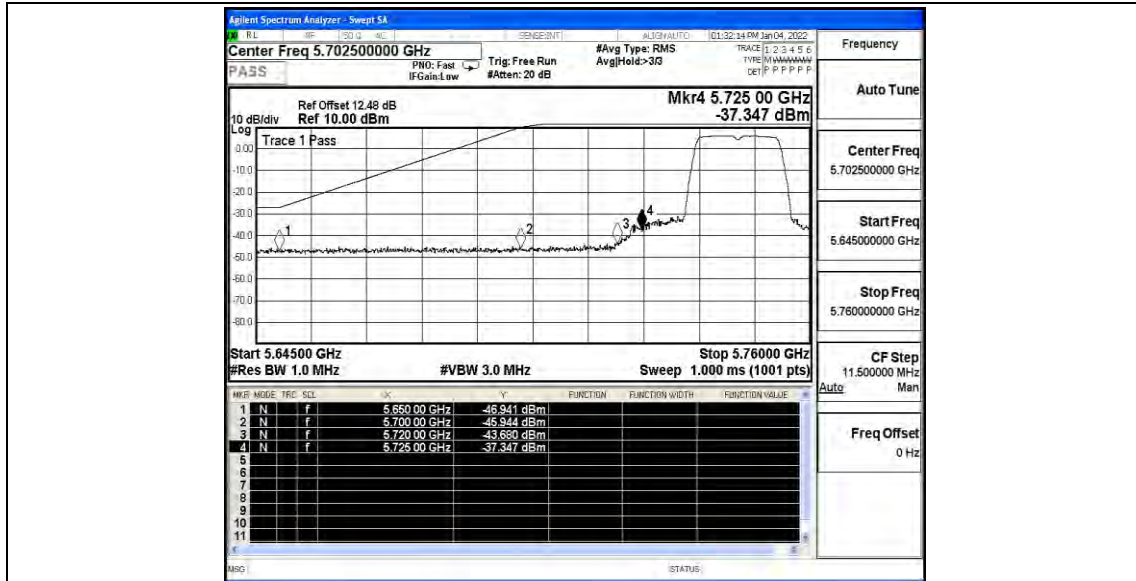
11N40SISO\_Ant0\_Low\_5755\_Peak



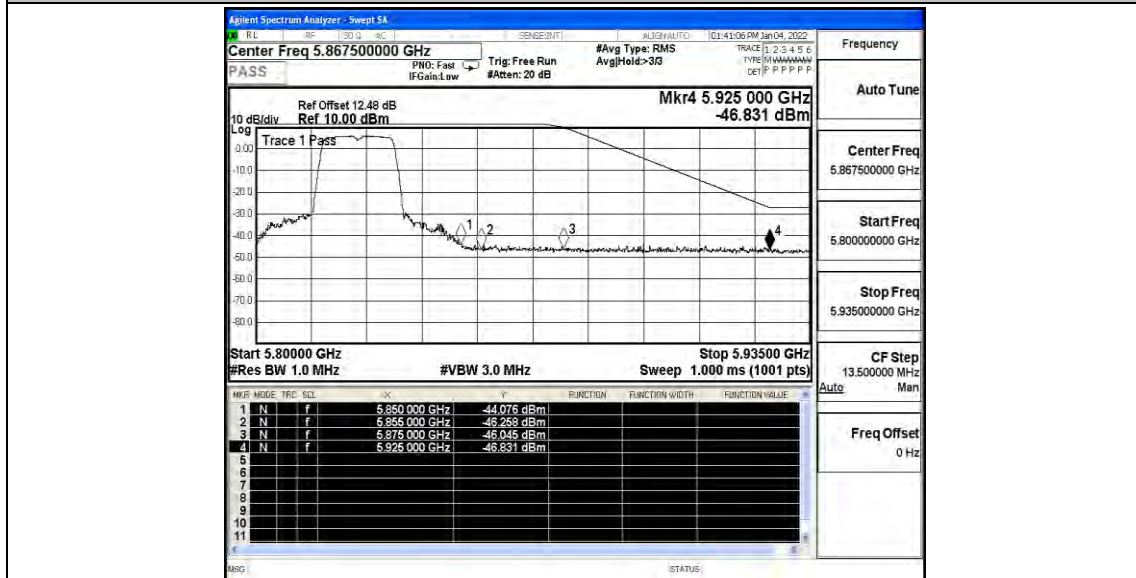
11N40SISO\_Ant0\_High\_5795\_Peak



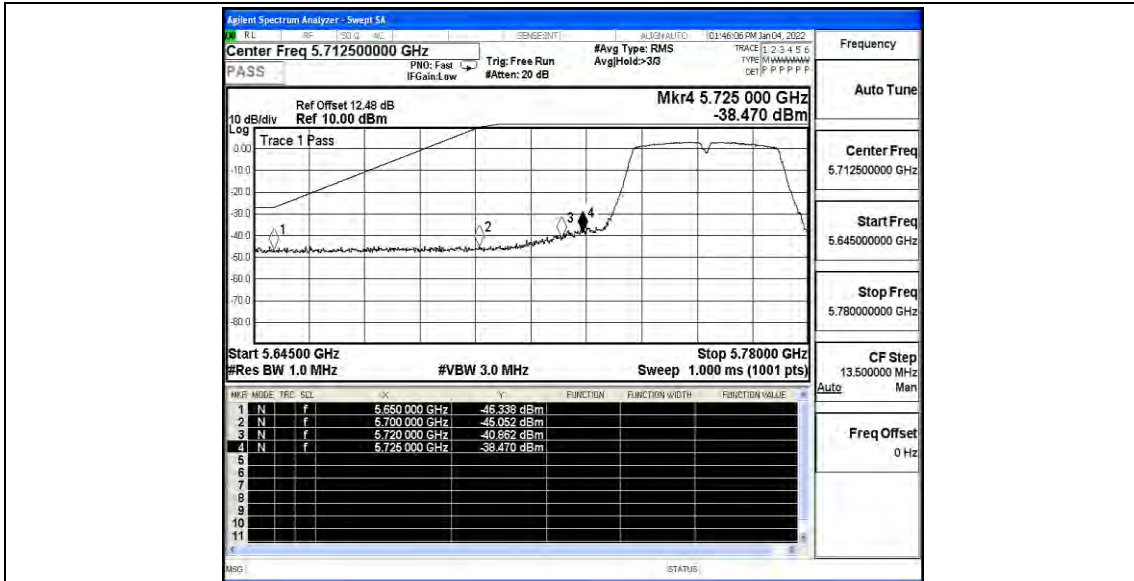
11A20SISO\_Ant0\_Low\_5745\_Peak



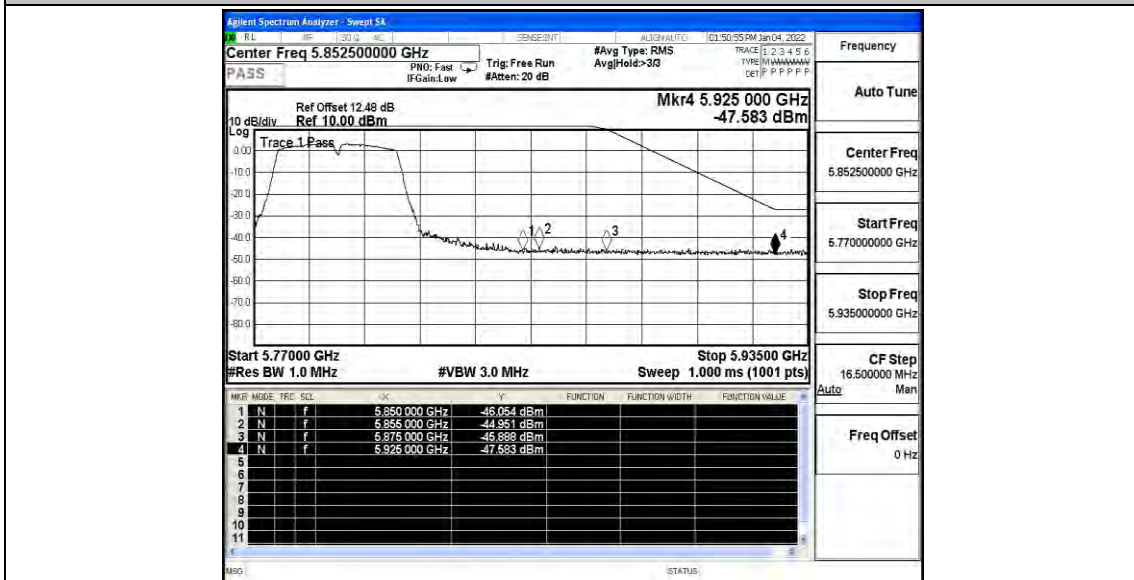
11AC20SISO\_Ant0\_High\_5825\_Peak



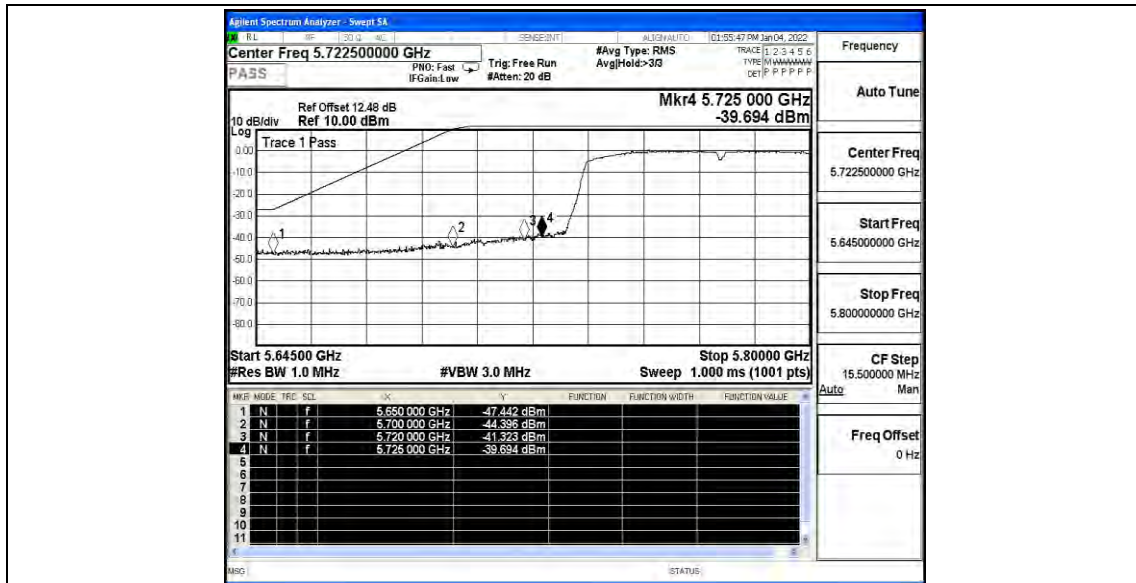
11AC40SISO\_Ant0\_Low\_5755\_Peak



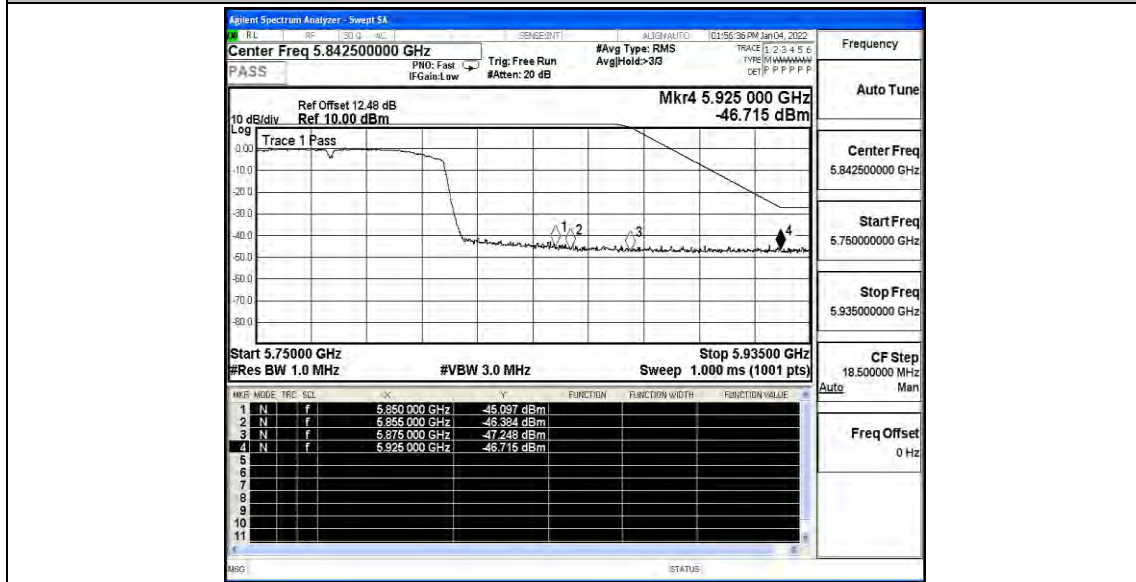
11AC40SISO\_Ant0\_High\_5795\_Peak



11AC80SISO\_Ant0\_Low\_5775\_Peak

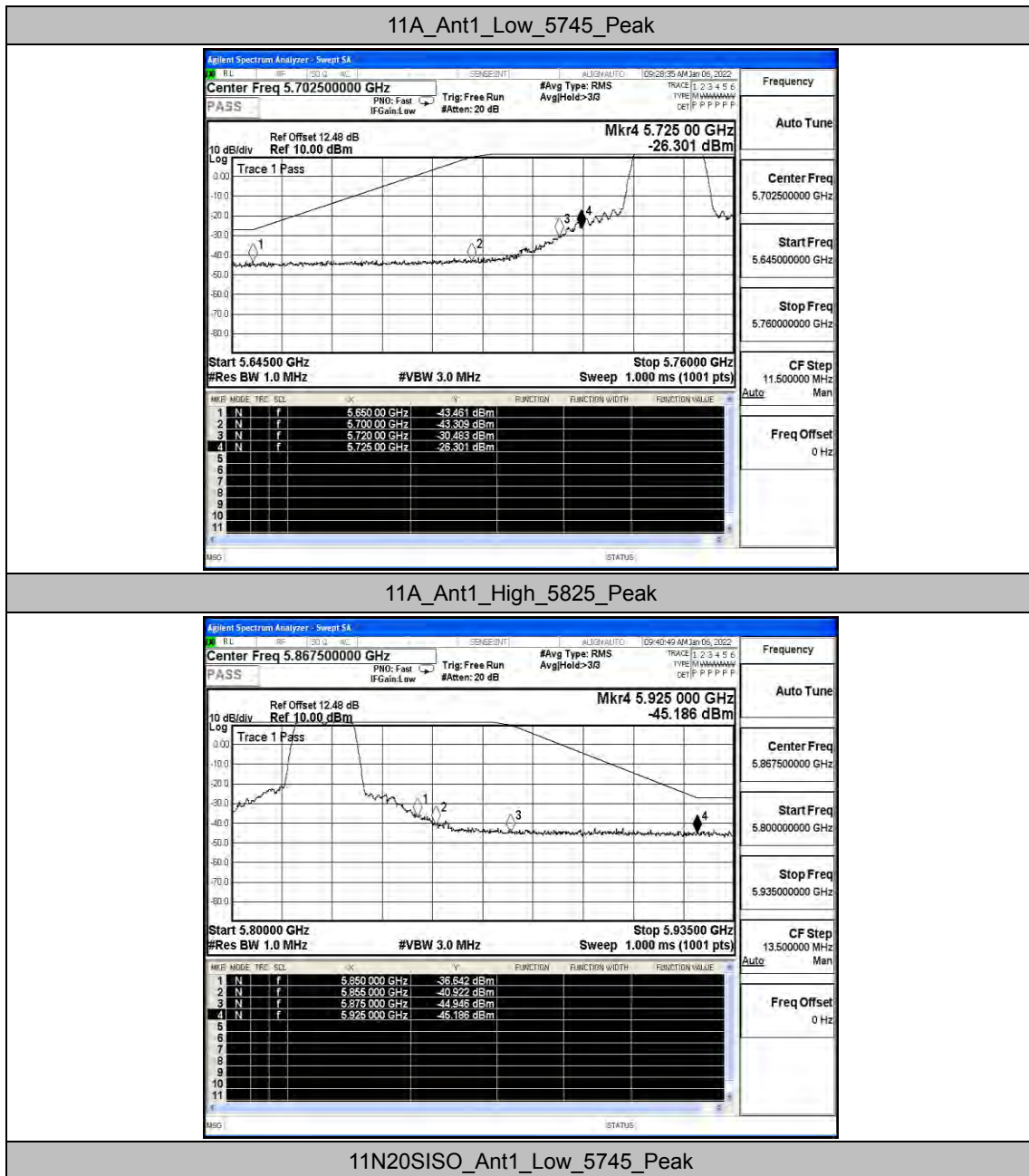


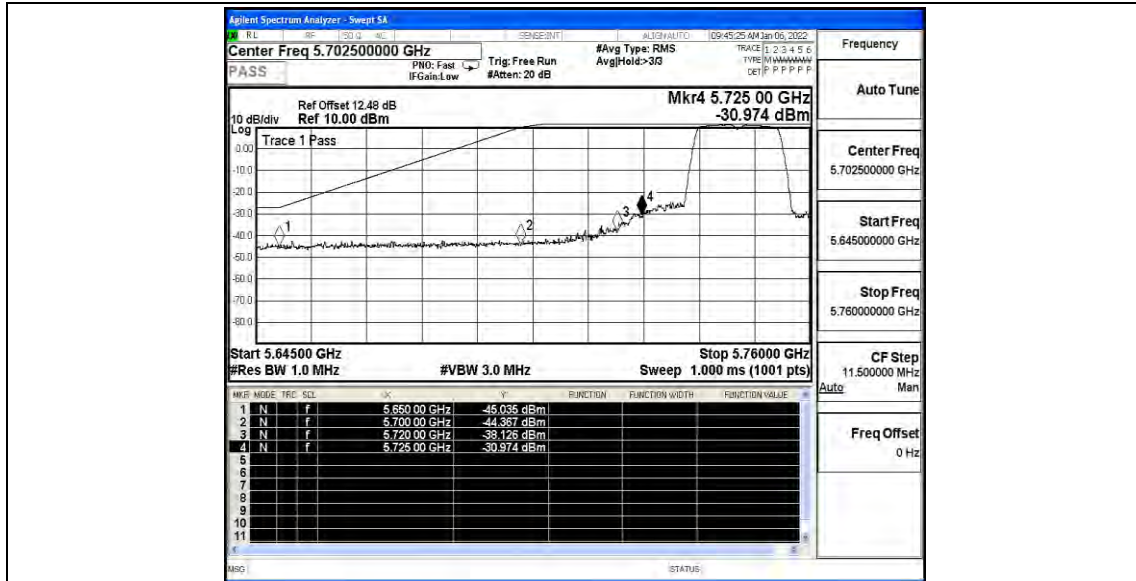
11AC80SISO\_Ant0\_High\_5775\_Peak



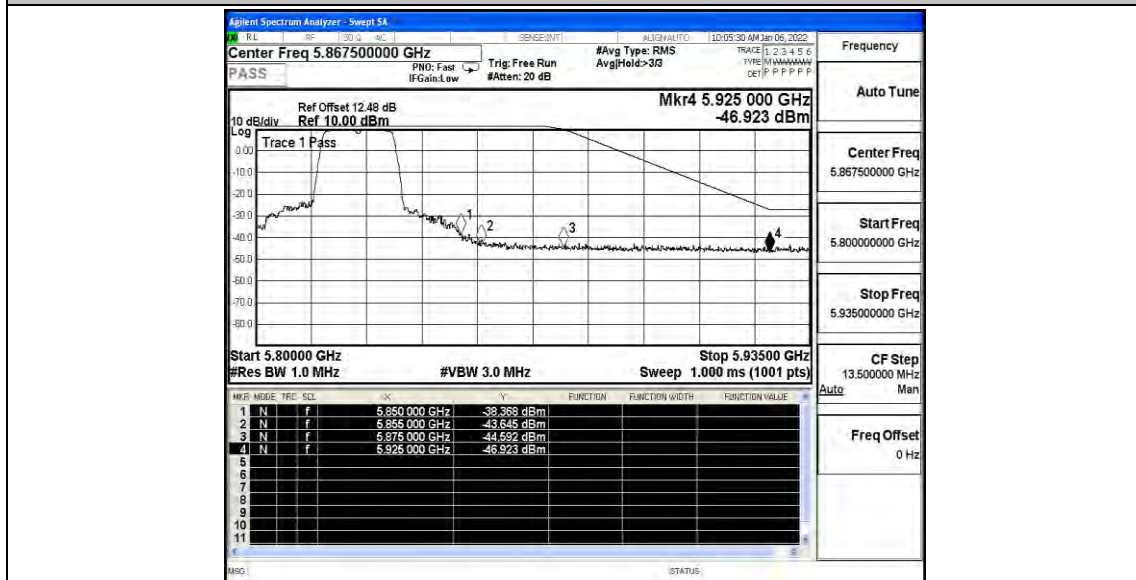


### Test Graphs

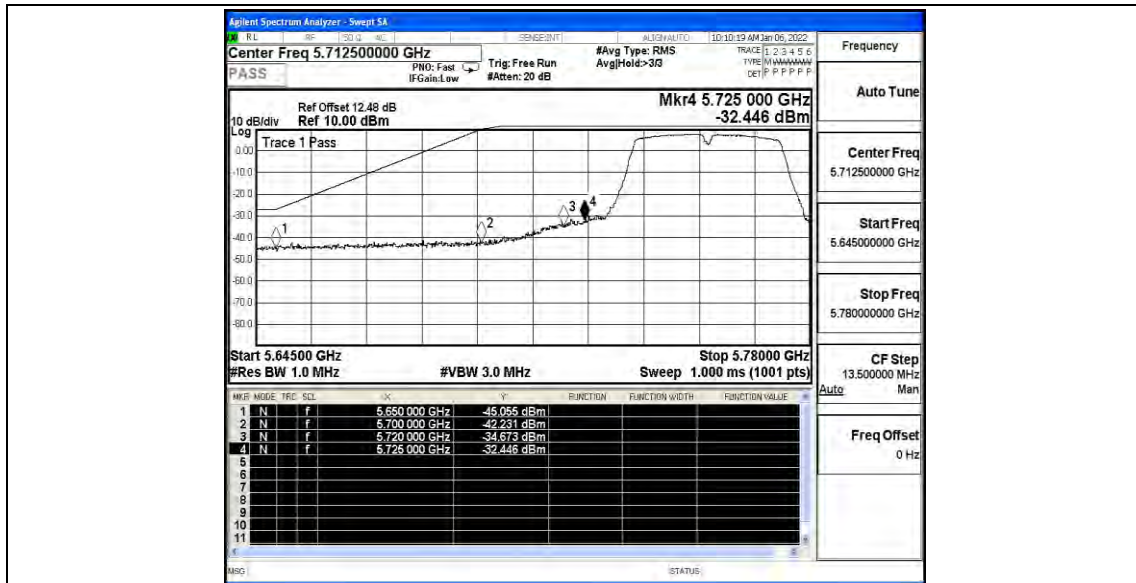




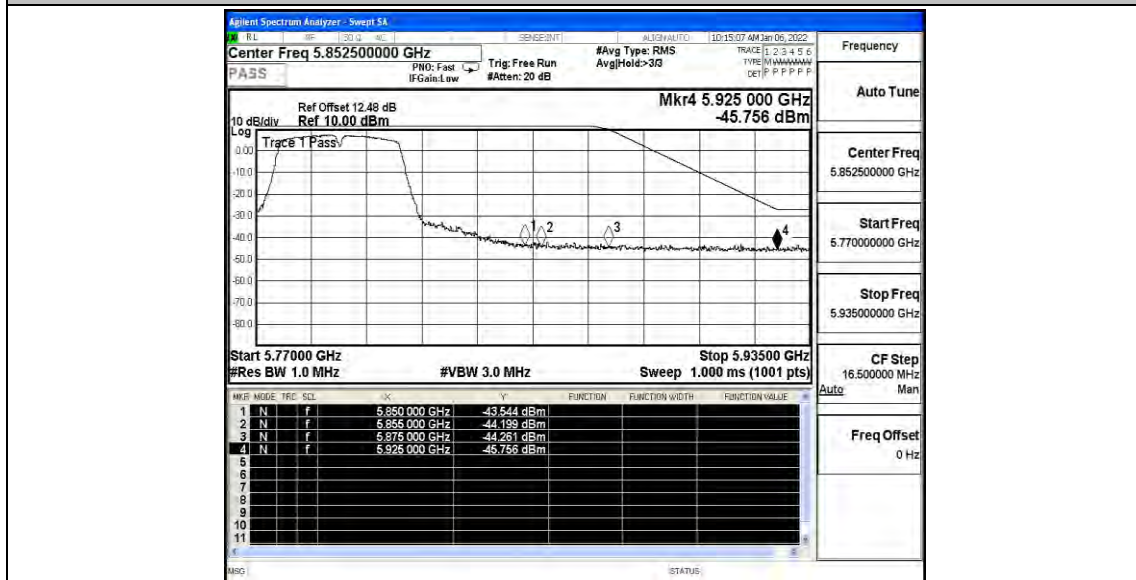
11N20SISO\_Ant1\_High\_5825\_Peak



11N40SISO\_Ant1\_Low\_5755\_Peak

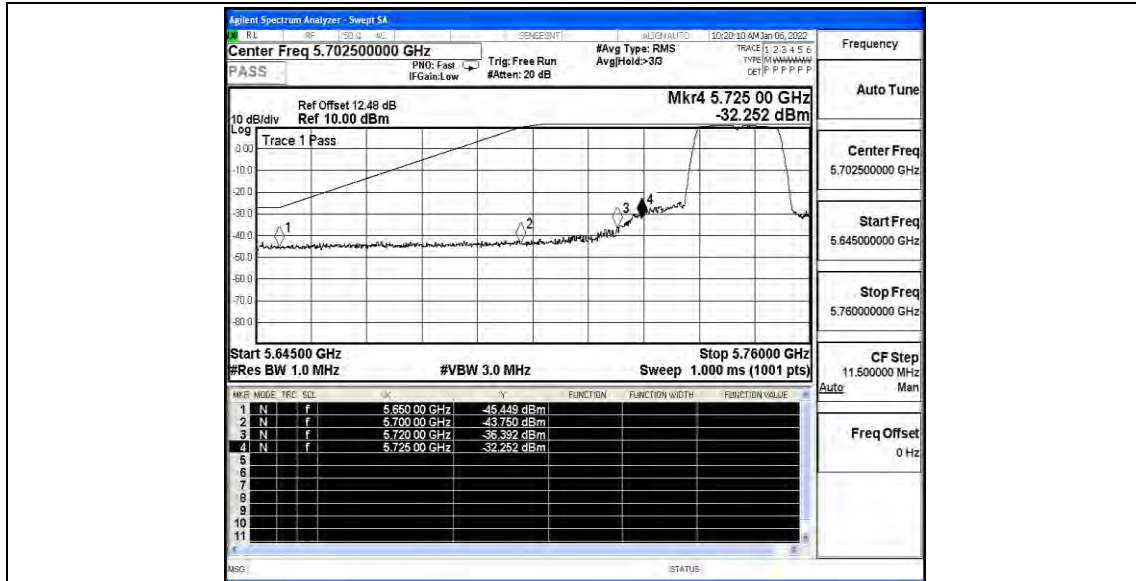


11N40SISO\_Ant1\_High\_5795\_Peak

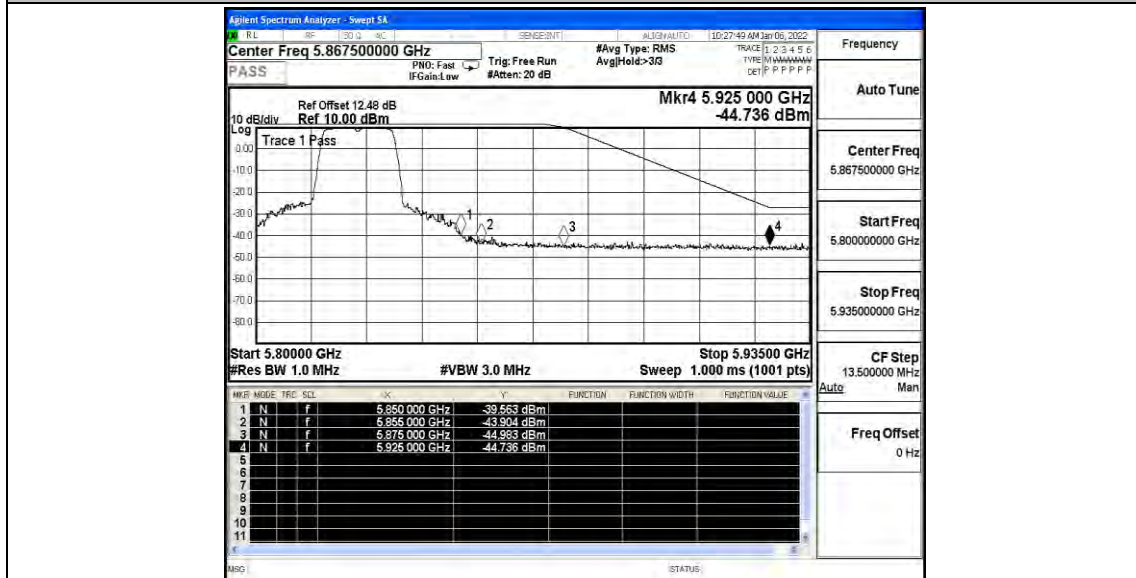


11AC20SISO\_Ant1\_Low\_5745\_Peak

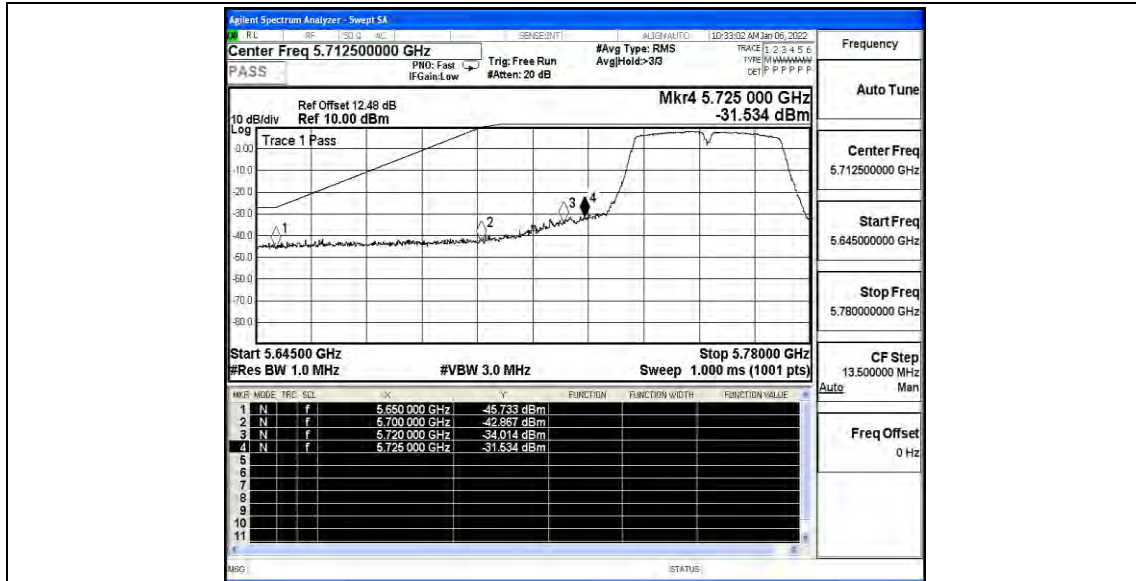




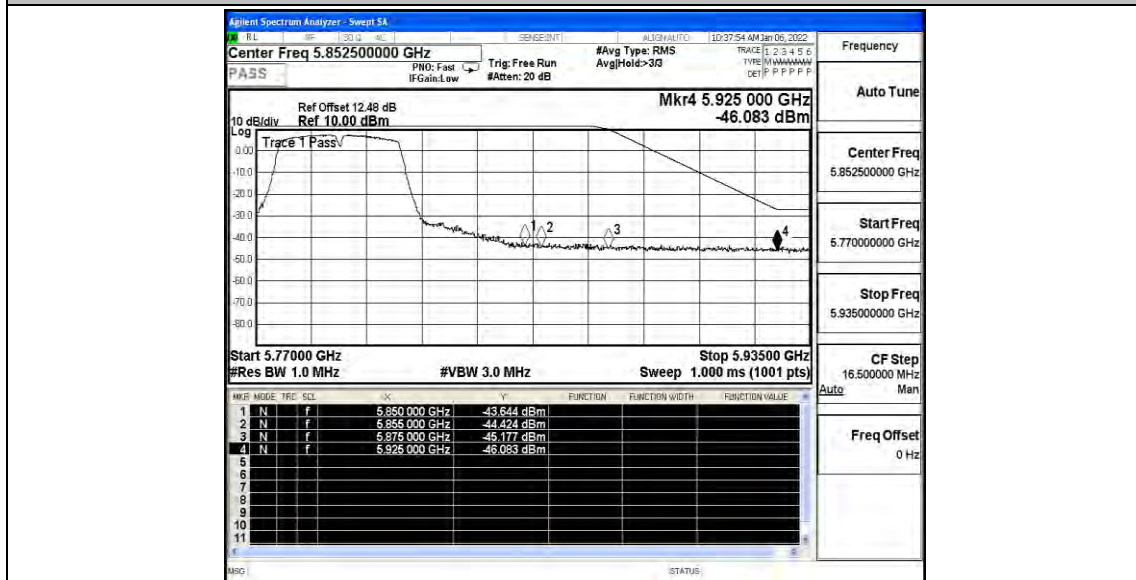
11AC20SISO\_Ant1\_High\_5825\_Peak



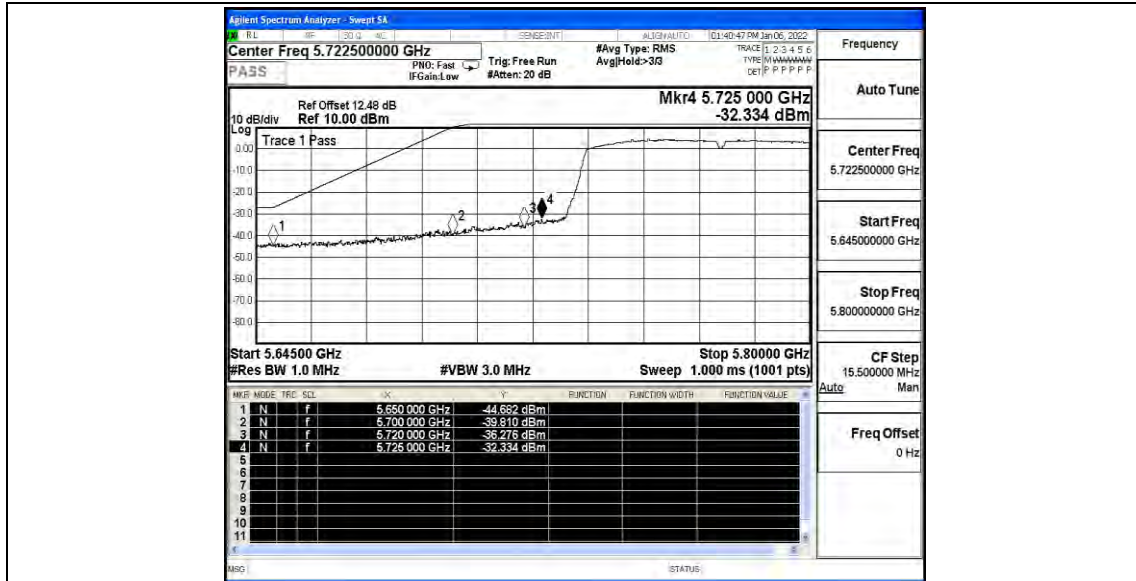
11AC40SISO\_Ant1\_Low\_5755\_Peak



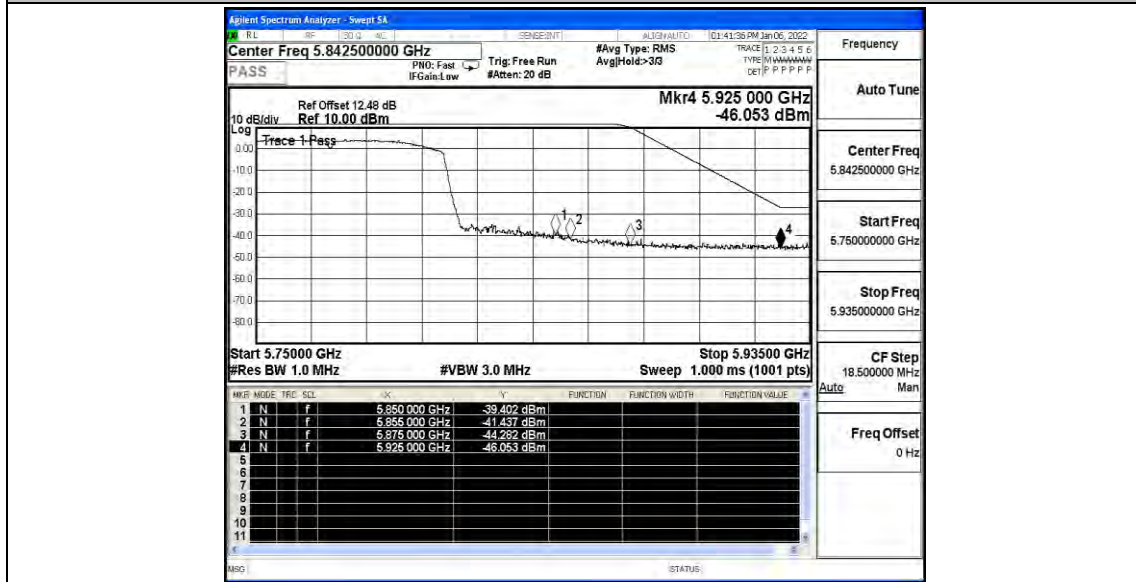
11AC40SISO\_Ant1\_High\_5795\_Peak



11AC80SISO\_Ant1\_Low\_5775\_Peak



11AC80SISO\_Ant1\_High\_5775\_Peak





## E.5 Frequency Stability

### Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20S ISO	Ant0	5745	NV	NT	-14000	-2.436902	20	PASS
			LV	NT	-14000	-2.436902	20	PASS
			HV	NT	-14000	-2.436902	20	PASS
		5785	NV	NT	-14000	-2.420052	20	PASS
			LV	NT	-14000	-2.420052	20	PASS
			HV	NT	-14000	-2.420052	20	PASS
		5825	NV	NT	-15000	-2.575107	20	PASS
			LV	NT	-15000	-2.575107	20	PASS
			HV	NT	-15000	-2.575107	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20S ISO	Ant0	5745	NV	-30	-14000	-2.436902	20	PASS
			NV	-20	-14000	-2.436902	20	PASS
			NV	-10	-14000	-2.436902	20	PASS
			NV	0	-14000	-2.436902	20	PASS
			NV	10	-14000	-2.436902	20	PASS
			NV	20	-14000	-2.436902	20	PASS
			NV	30	-14000	-2.436902	20	PASS
			NV	40	-14000	-2.436902	20	PASS
			NV	50	-14000	-2.436902	20	PASS
		5785	NV	-30	-15000	-2.592913	20	PASS
			NV	-20	-14000	-2.420052	20	PASS
			NV	-10	-15000	-2.592913	20	PASS
			NV	0	-15000	-2.592913	20	PASS
			NV	10	-15000	-2.592913	20	PASS
			NV	20	-15000	-2.592913	20	PASS
			NV	30	-15000	-2.592913	20	PASS
			NV	40	-15000	-2.592913	20	PASS
			NV	50	-15000	-2.592913	20	PASS
		5825	NV	-30	-15000	-2.575107	20	PASS
			NV	-20	-15000	-2.575107	20	PASS
			NV	-10	-15000	-2.575107	20	PASS
			NV	0	-15000	-2.575107	20	PASS
			NV	10	-15000	-2.575107	20	PASS



			NV	20	-15000	-2.575107	20	PASS
			NV	30	-15000	-2.575107	20	PASS
			NV	40	-15000	-2.575107	20	PASS
			NV	50	-15000	-2.575107	20	PASS

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	NT	-20000	-3.481288	20	PASS
			LV	NT	-20000	-3.481288	20	PASS
			HV	NT	-20000	-3.481288	20	PASS
		5785	NV	NT	-20000	-3.457217	20	PASS
			LV	NT	-20000	-3.457217	20	PASS
			HV	NT	-20000	-3.457217	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	-30	-20000	-3.481288	20	PASS
			NV	-20	-20000	-3.481288	20	PASS
			NV	-10	-20000	-3.481288	20	PASS
			NV	0	-20000	-3.481288	20	PASS
			NV	10	-20000	-3.481288	20	PASS
			NV	20	-20000	-3.481288	20	PASS
			NV	30	-20000	-3.481288	20	PASS
			NV	40	-20000	-3.481288	20	PASS
		5785	NV	50	-20000	-3.481288	20	PASS
			NV	-30	-20000	-3.457217	20	PASS
			NV	-20	-20000	-3.457217	20	PASS
			NV	-10	-20000	-3.457217	20	PASS
			NV	0	-20000	-3.457217	20	PASS
			NV	10	-20000	-3.457217	20	PASS
			NV	20	-20000	-3.457217	20	PASS
			NV	30	-20000	-3.457217	20	PASS

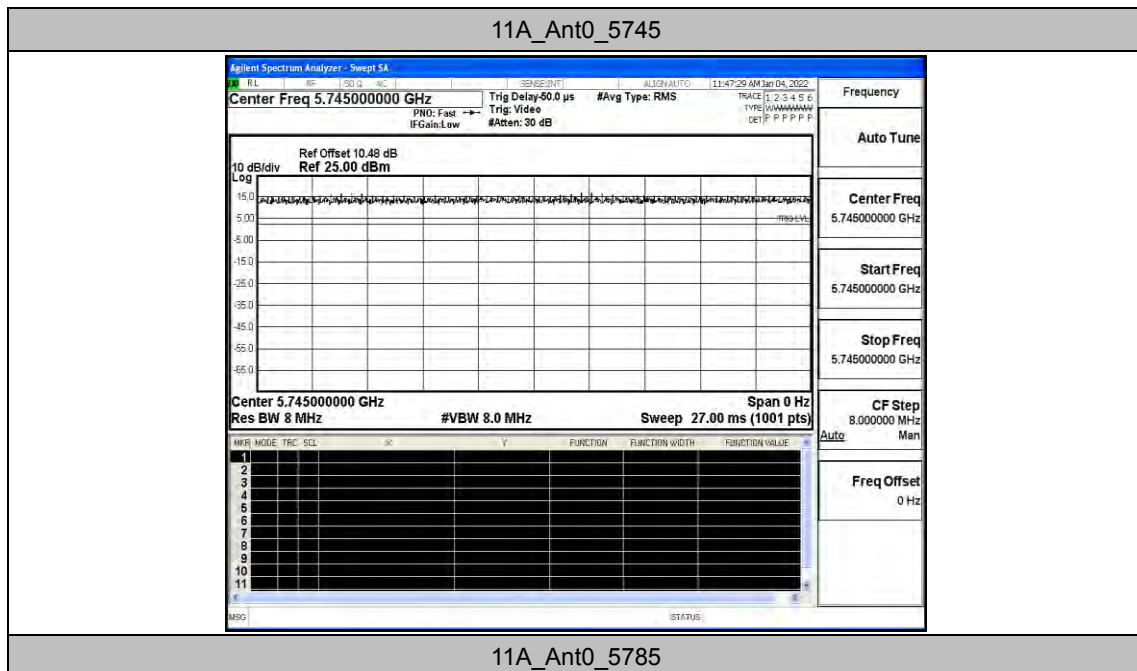


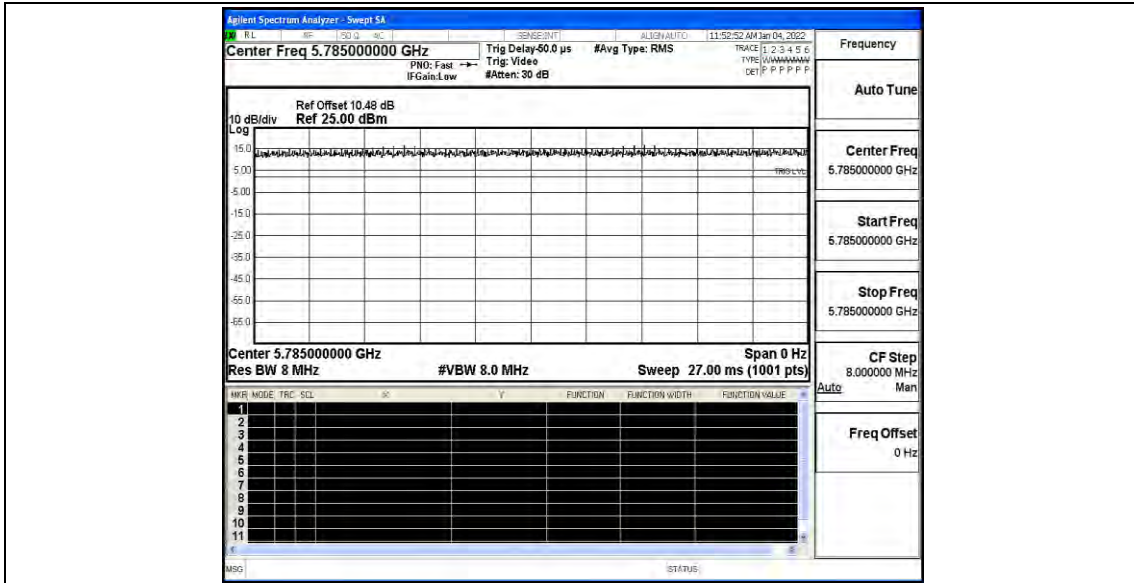
## E.6 Duty Cycle

### Test Result

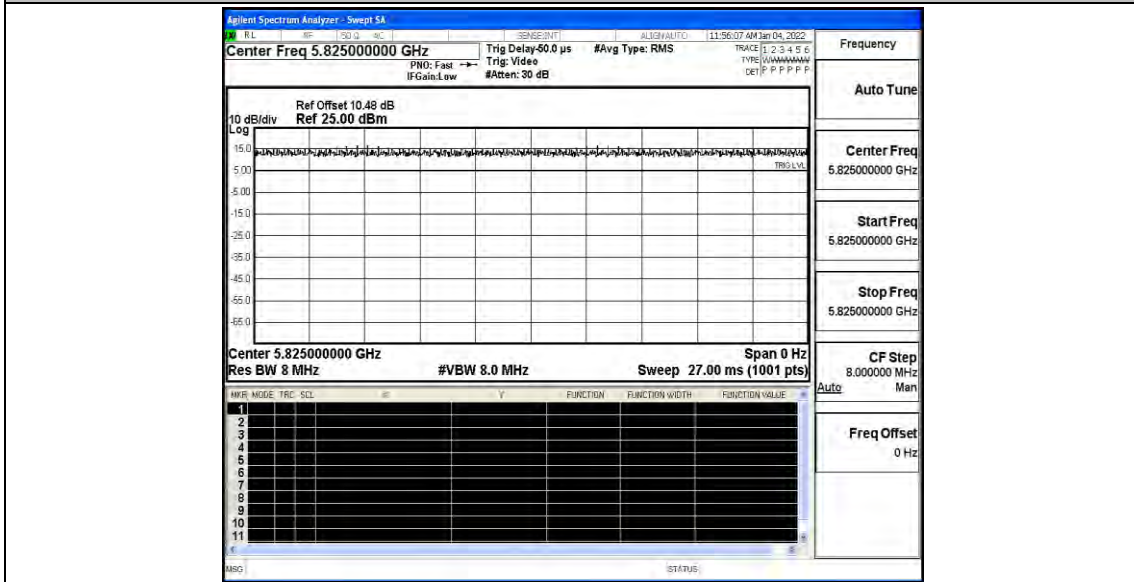
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant0	5745	27.00	27.00	100.00	---	---
		5785	27.00	27.00	100.00	---	---
		5825	27.00	27.00	100.00	---	---
11N20SISO	Ant0	5745	27.00	27.00	100.00	---	---
		5785	27.00	27.00	100.00	---	---
		5825	27.00	27.00	100.00	---	---
11N40SISO	Ant0	5755	27.00	27.00	100.00	---	---
		5795	27.00	27.00	100.00	---	---
11AC20SISO	Ant0	5745	27.00	27.00	100.00	---	---
		5785	27.00	27.00	100.00	---	---
		5825	27.00	27.00	100.00	---	---
11AC40SISO	Ant0	5755	27.00	27.00	100.00	---	---
		5795	27.00	27.00	100.00	---	---
11AC80SISO	Ant0	5775	27.00	27.00	100.00	---	---

### Test Graphs

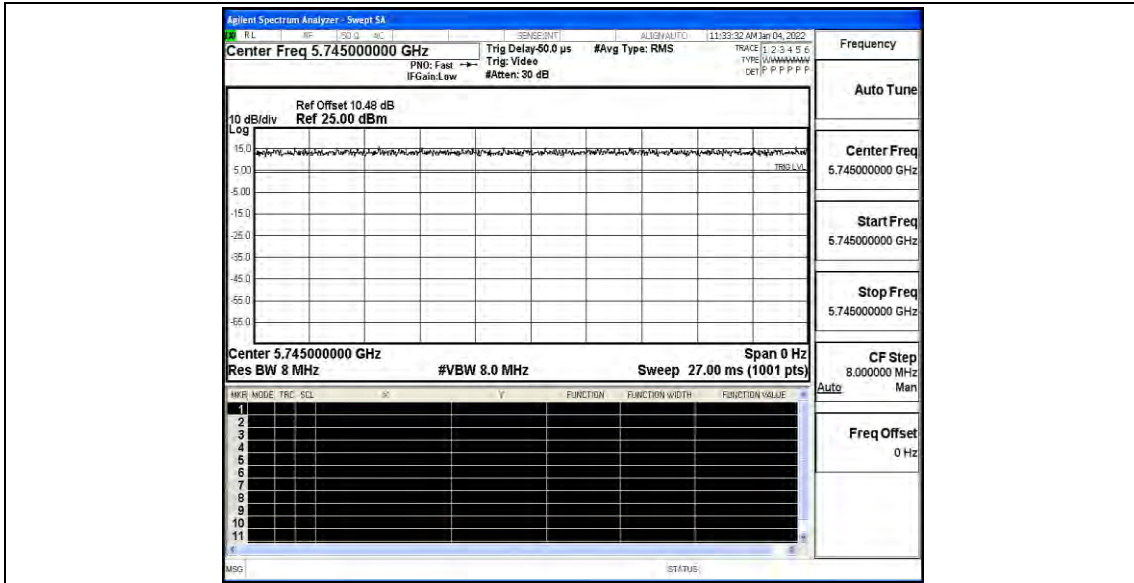




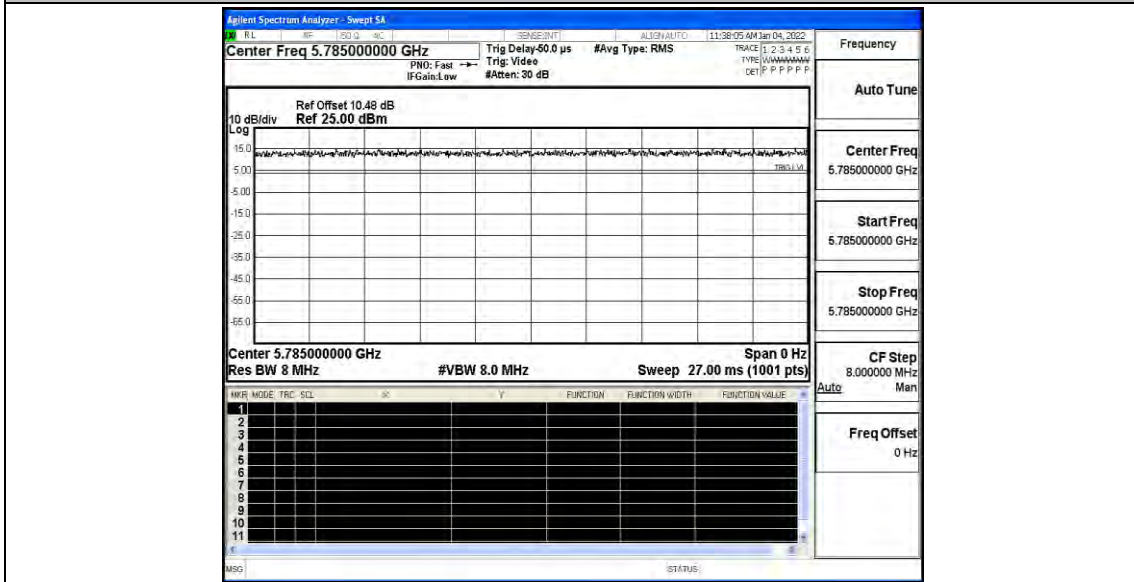
11A\_Ant0\_5825



11N20SISO\_Ant0\_5745

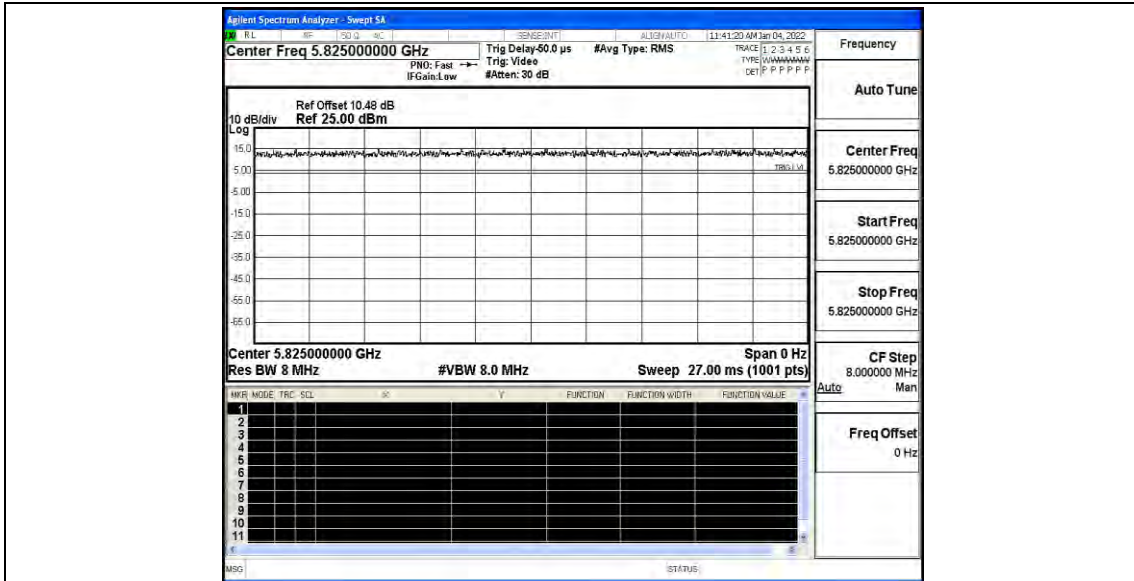


11N20SISO\_Ant0\_5785

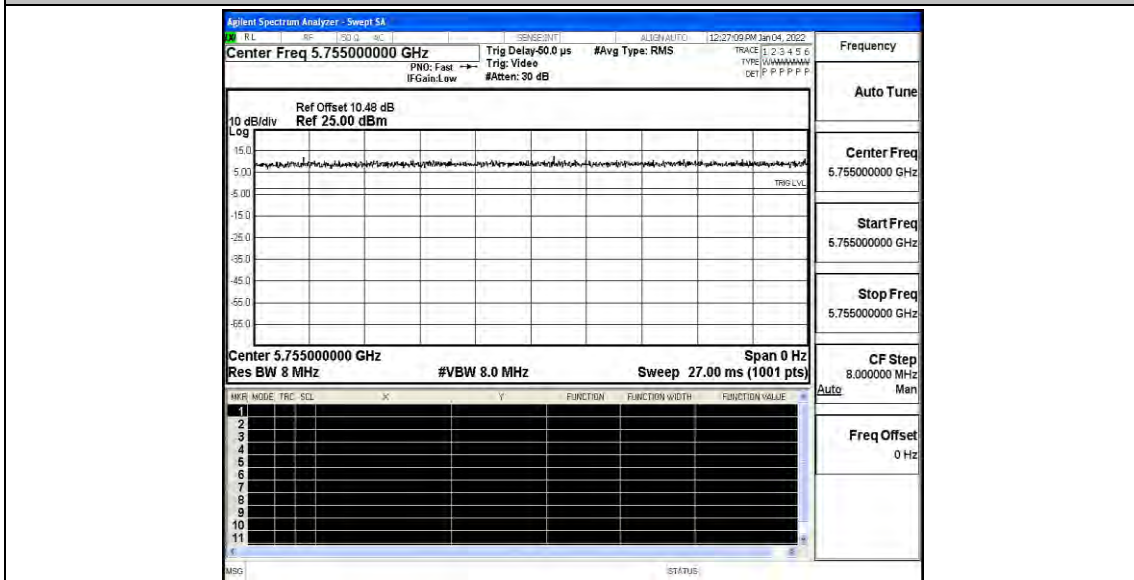


11N20SISO\_Ant0\_5825

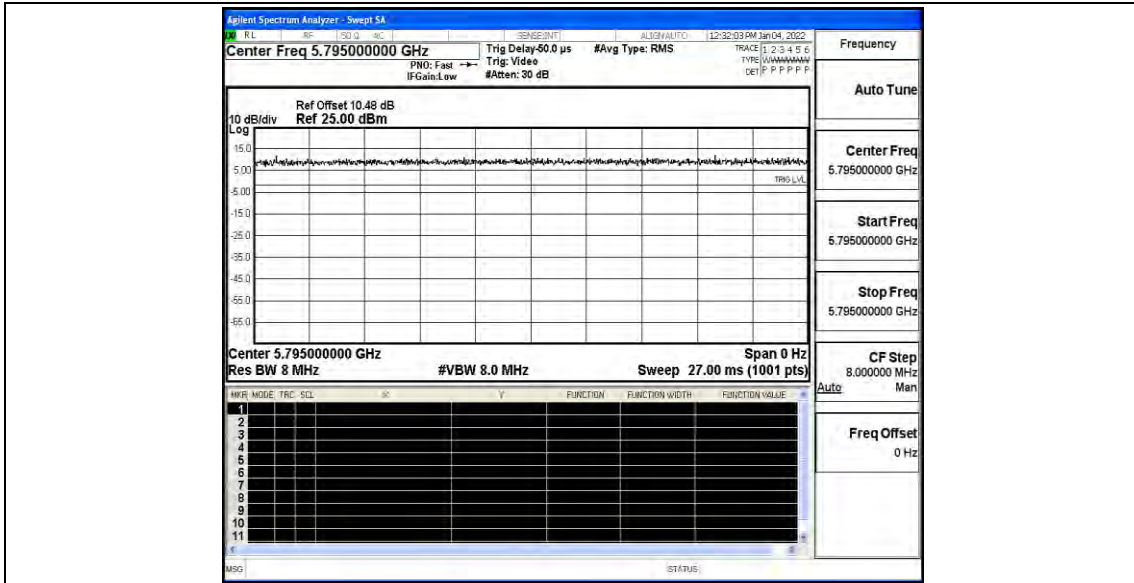




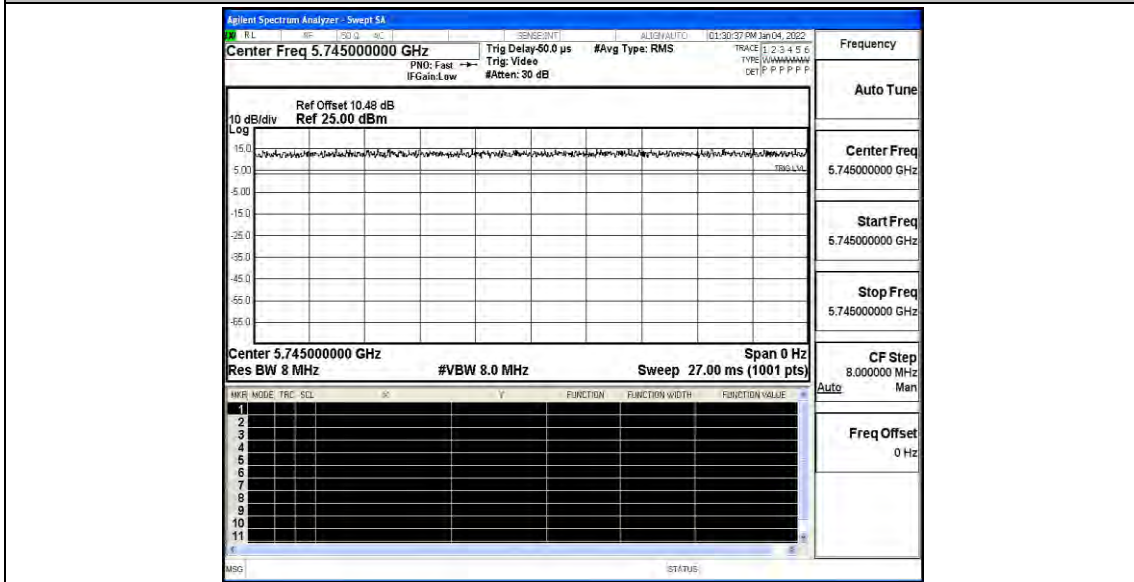
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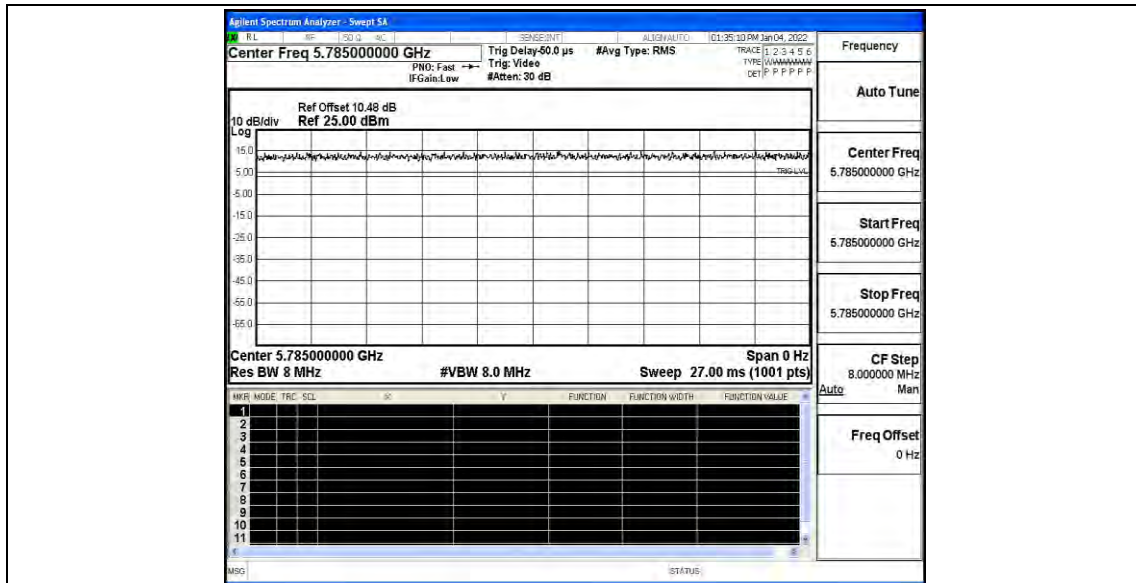
11N40SISO\_Ant0\_5795



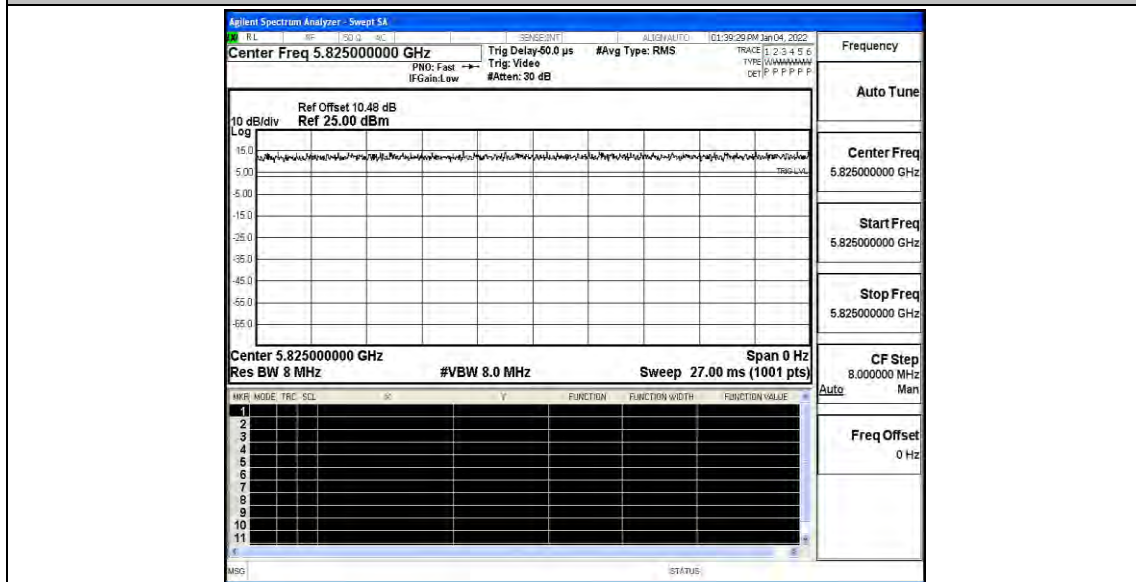
11AC20SISO\_Ant0\_5745



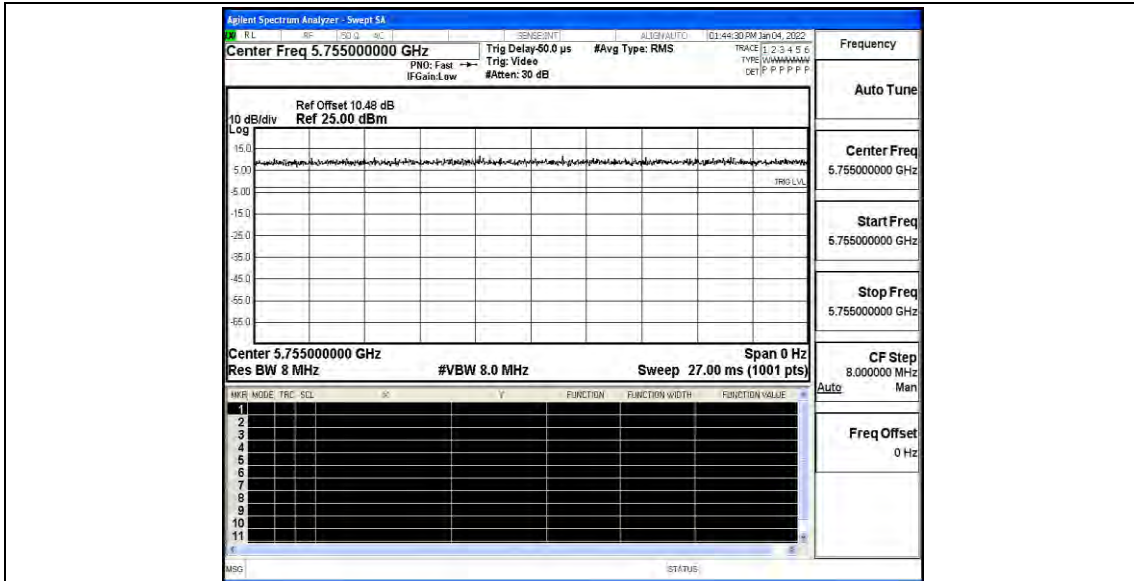
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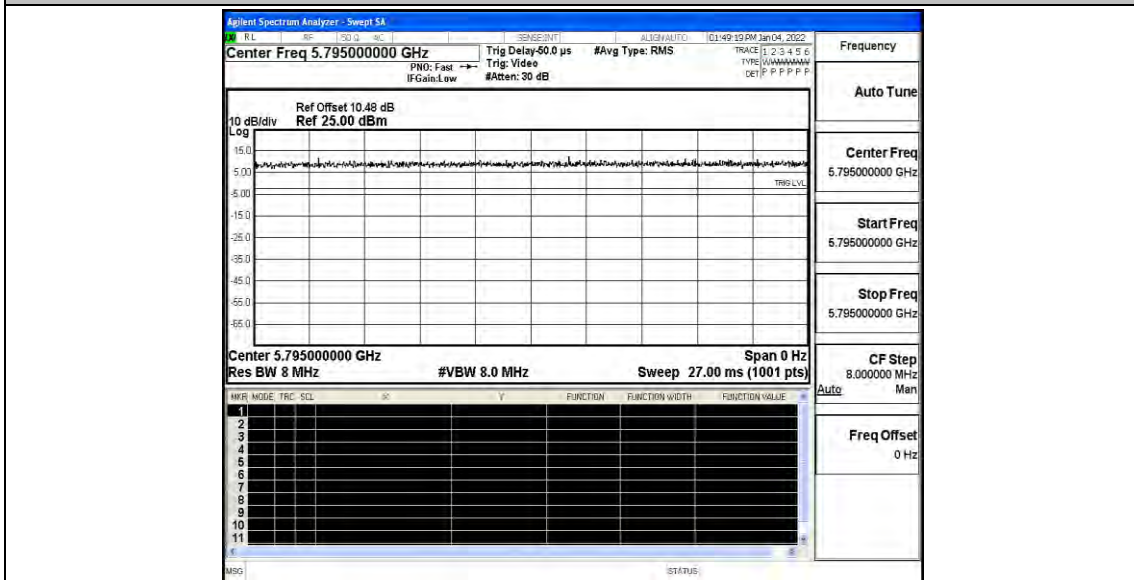
11AC20SISO\_Ant0\_5825



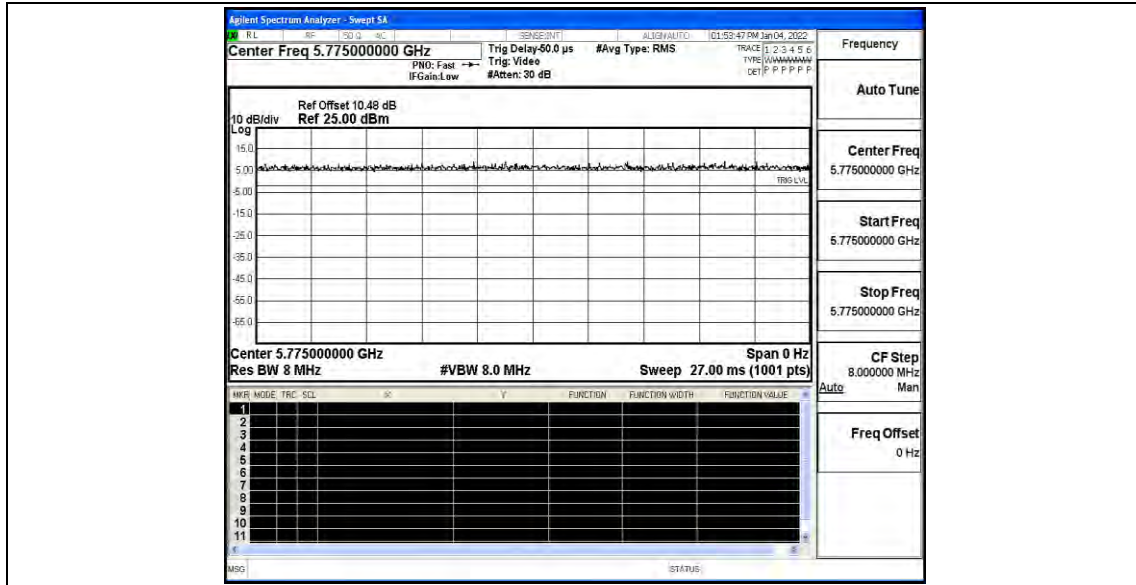
11AC40SISO\_Ant0\_5755



11AC40SISO\_Ant0\_5795



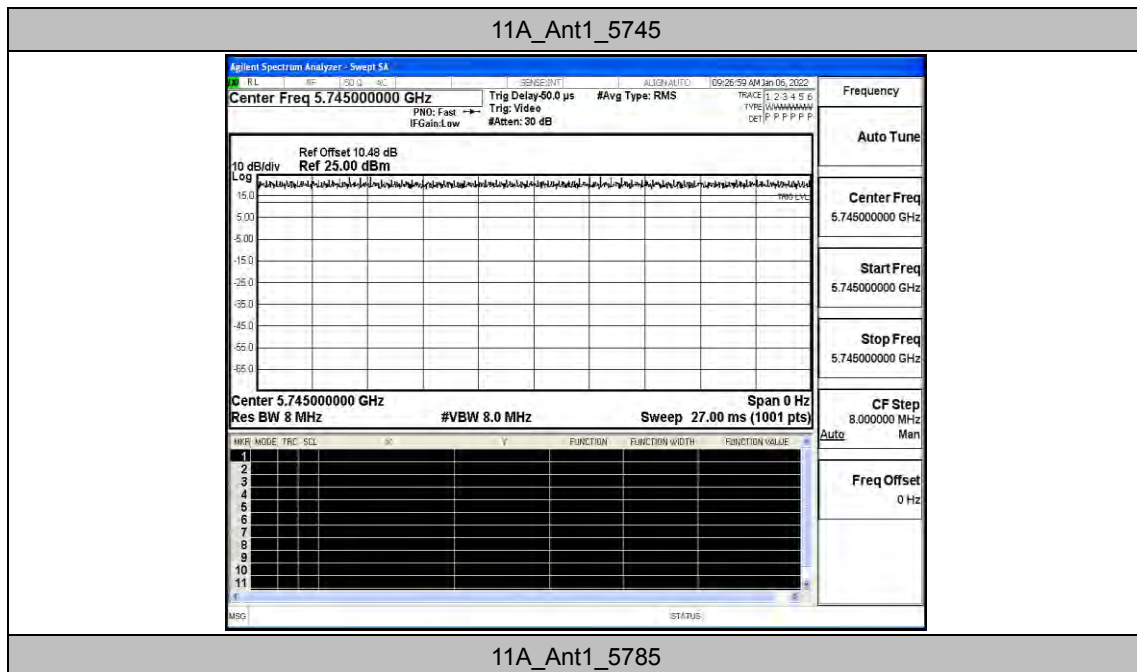
11AC80SISO\_Ant0\_5775

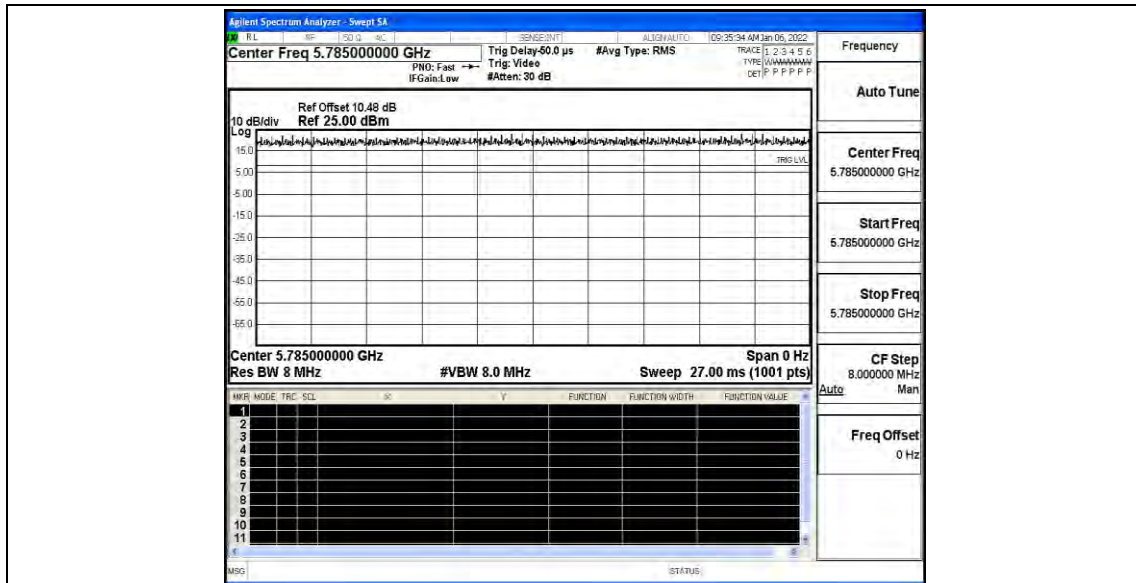




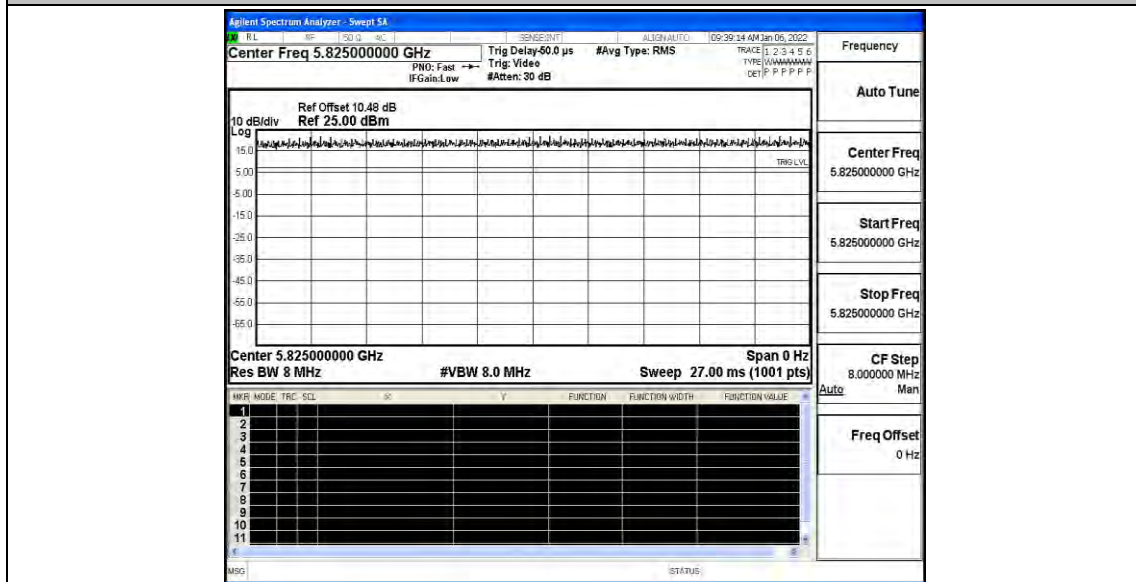
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5745	27.00	27.00	100.00	---	---
		5785	27.00	27.00	100.00	---	---
		5825	27.00	27.00	100.00	---	---
11N20SISO	Ant1	5745	27.00	27.00	100.00	---	---
		5785	27.00	27.00	100.00	---	---
		5825	27.00	27.00	100.00	---	---
11N40SISO	Ant1	5755	27.00	27.00	100.00	---	---
		5795	27.00	27.00	100.00	---	---
11AC20SISO	Ant1	5745	27.00	27.00	100.00	---	---
		5785	27.00	27.00	100.00	---	---
		5825	27.00	27.00	100.00	---	---
11AC40SISO	Ant1	5755	27.00	27.00	100.00	---	---
		5795	27.00	27.00	100.00	---	---
11AC80SISO	Ant1	5775	27.00	27.00	100.00	---	---

### Test Graphs

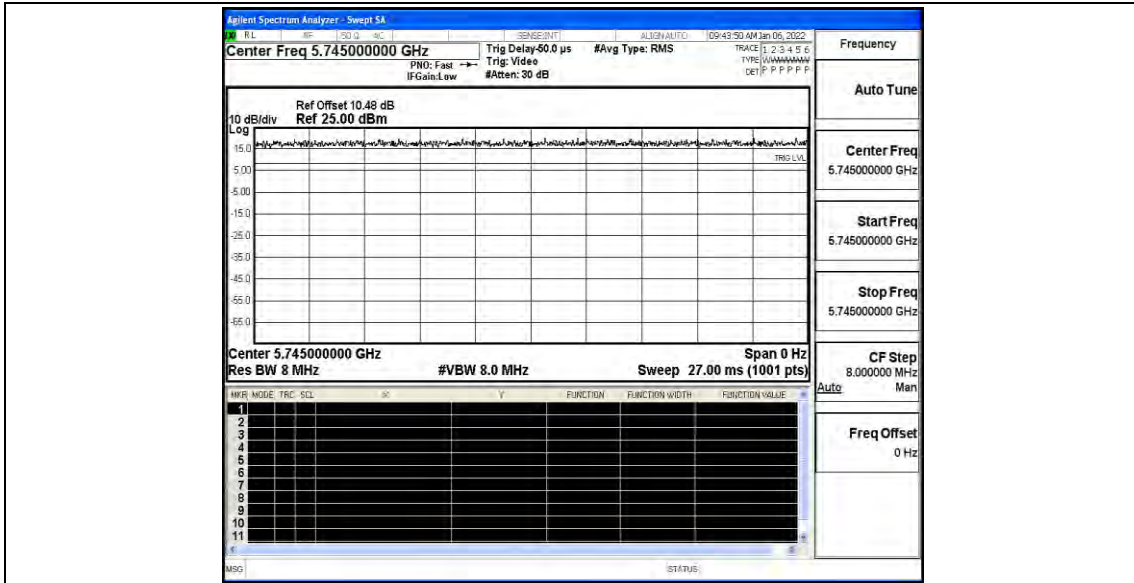




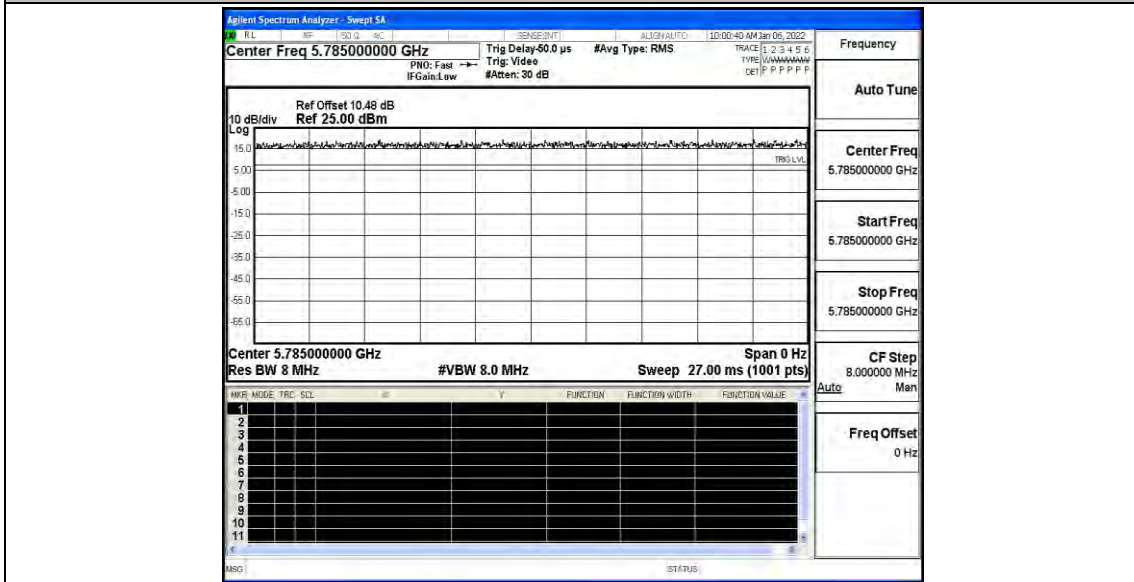
11A\_Ant1\_5825



11N20SISO\_Ant1\_5745

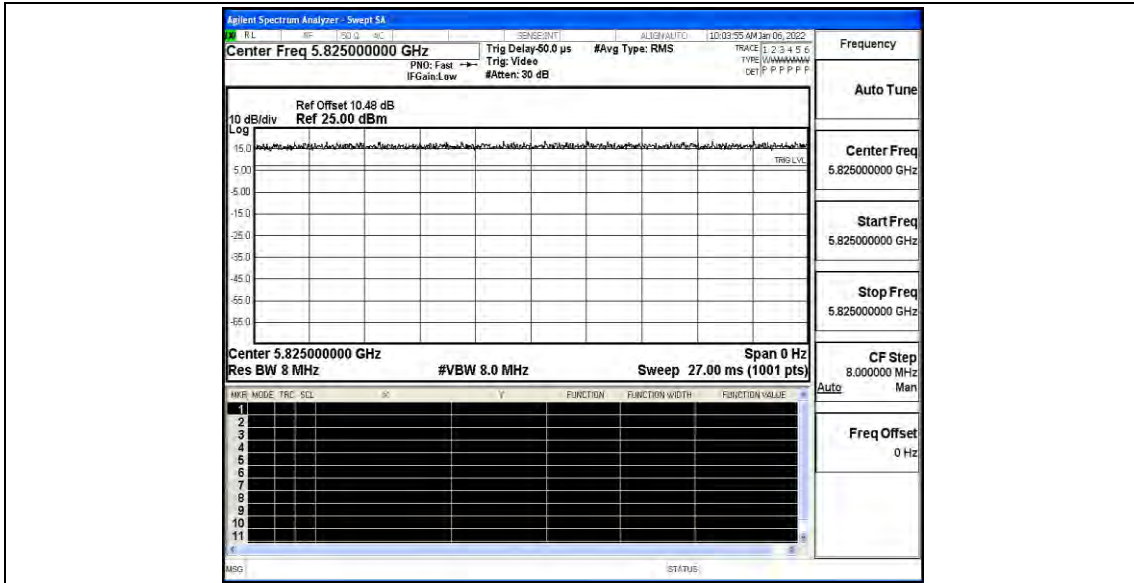


11N20SISO\_Ant1\_5785

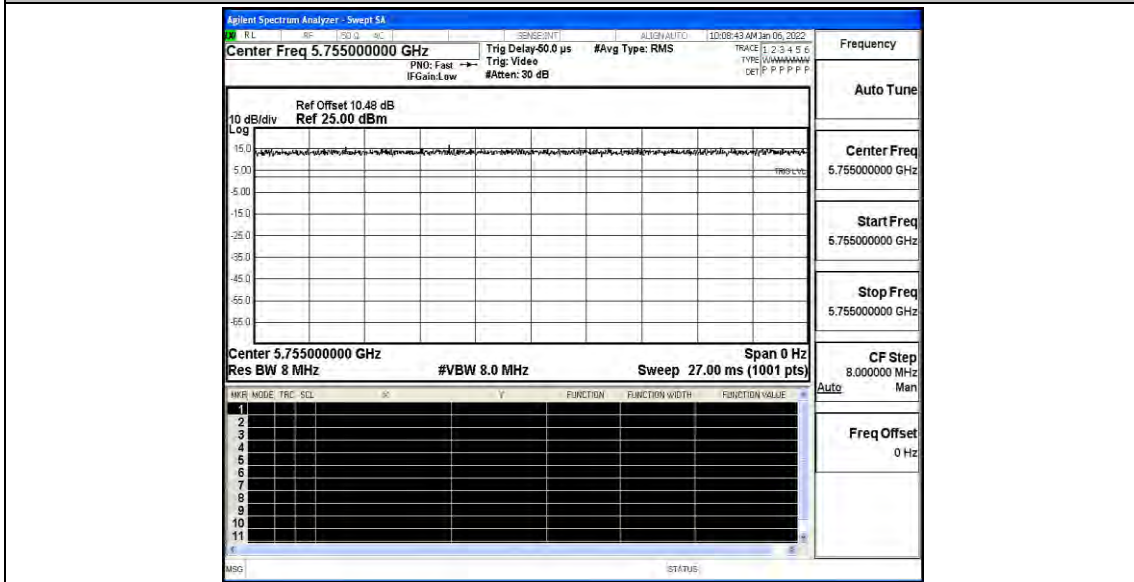


11N20SISO\_Ant1\_5825

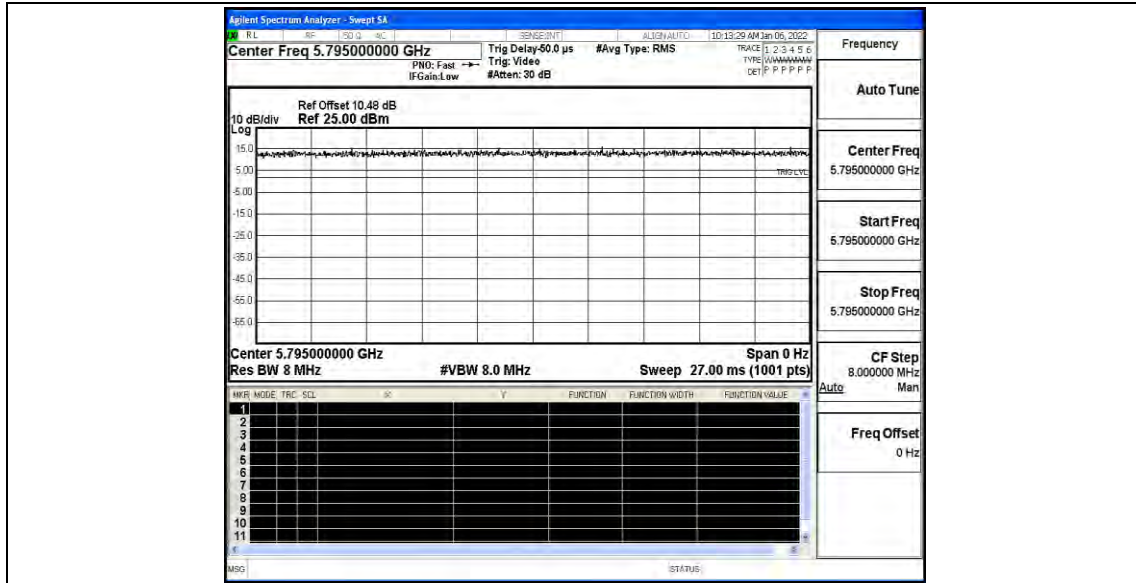




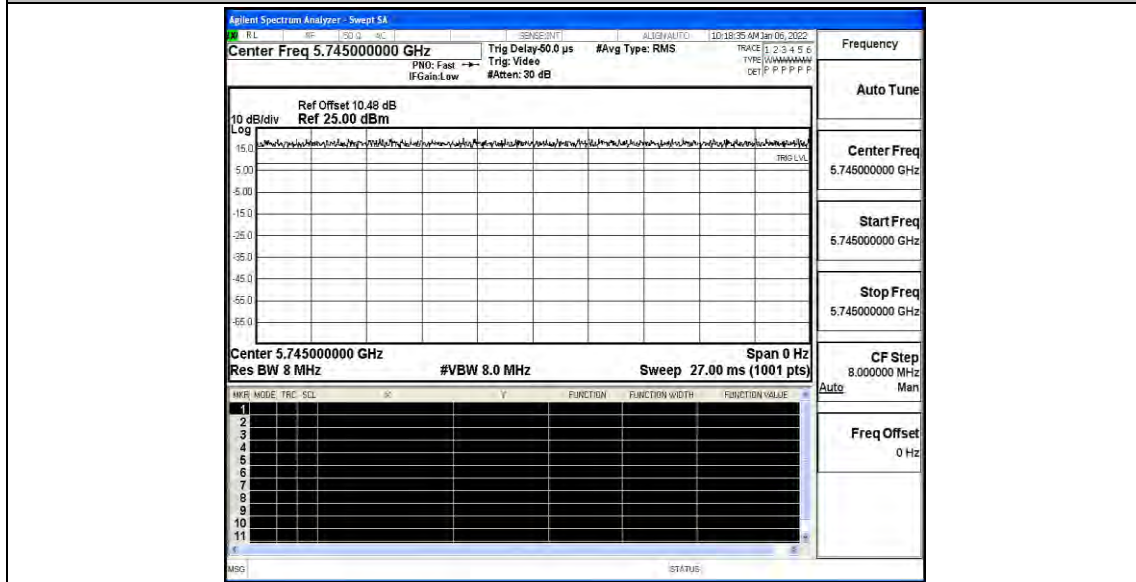
11N40SISO\_Ant1\_5755



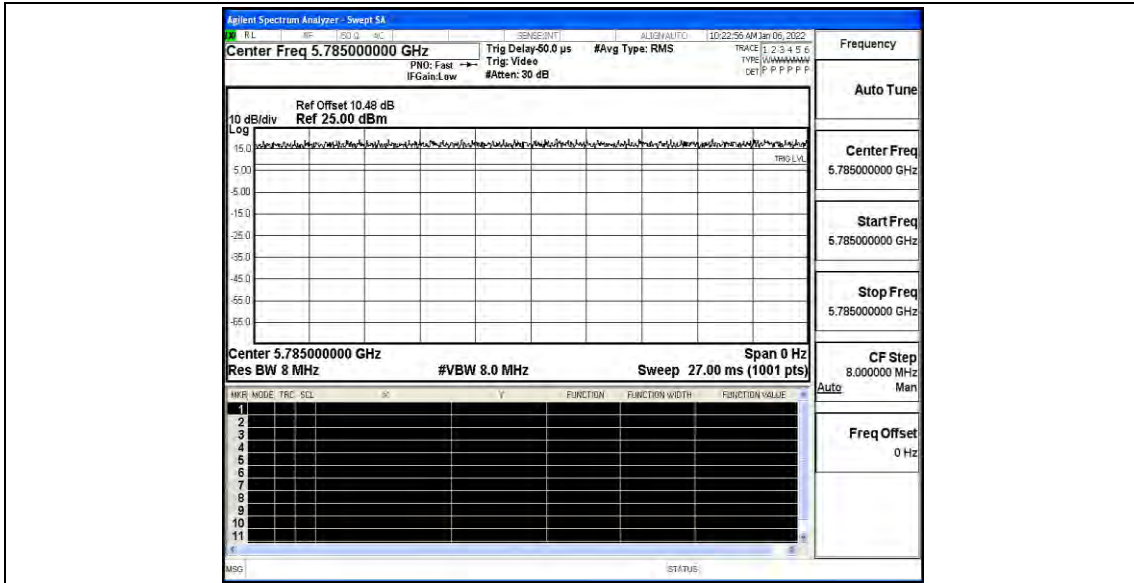
11N40SISO\_Ant1\_5795



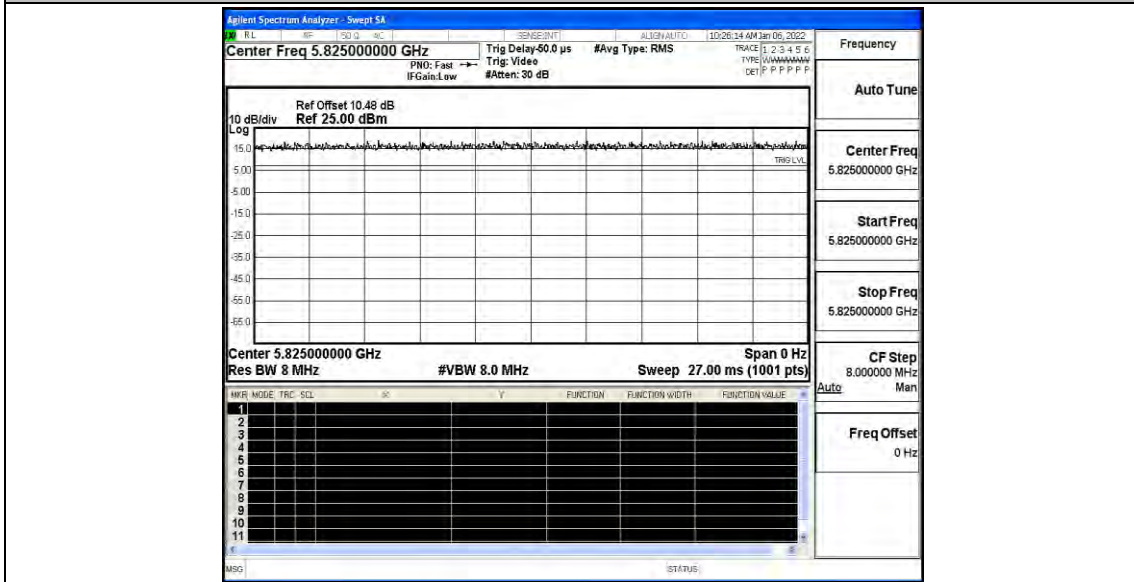
11AC20SISO\_Ant1\_5745



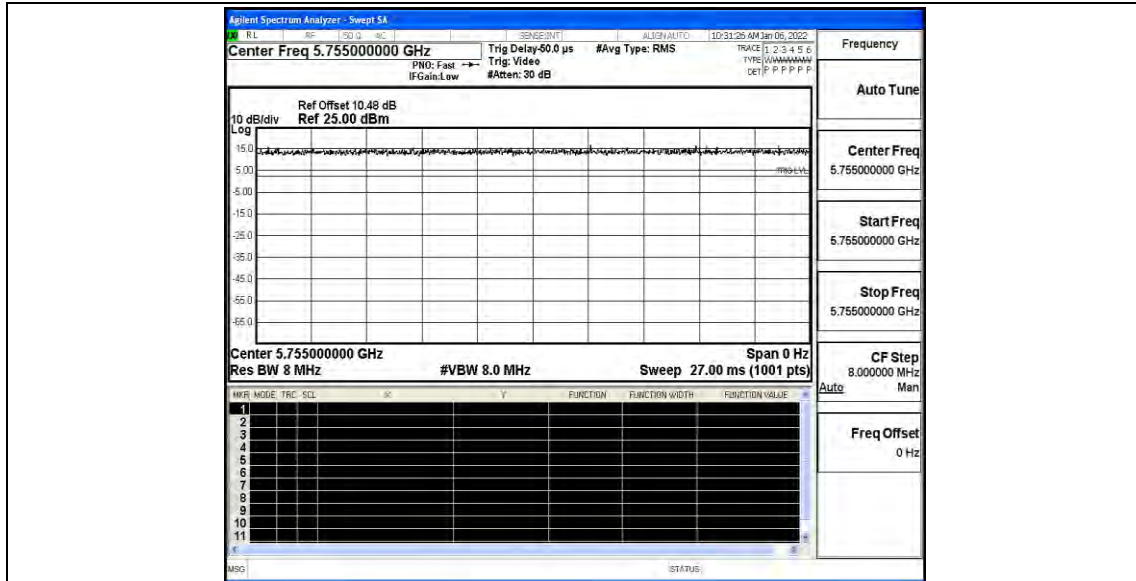
11AC20SISO\_Ant1\_5785



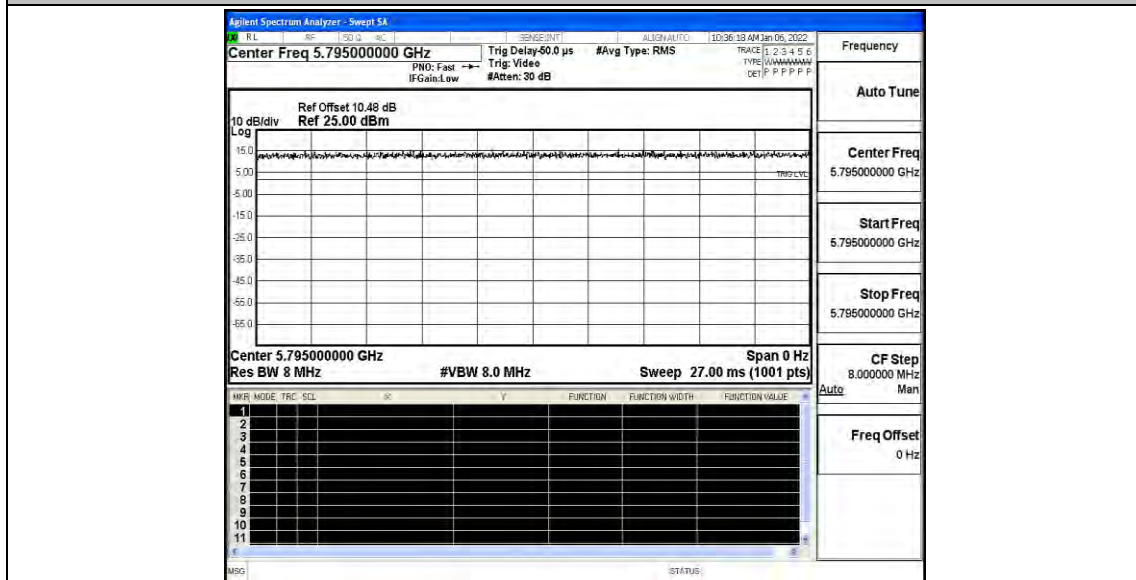
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

