

Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Tablet

Test Model: PAD_ T13

Environmental Conditions

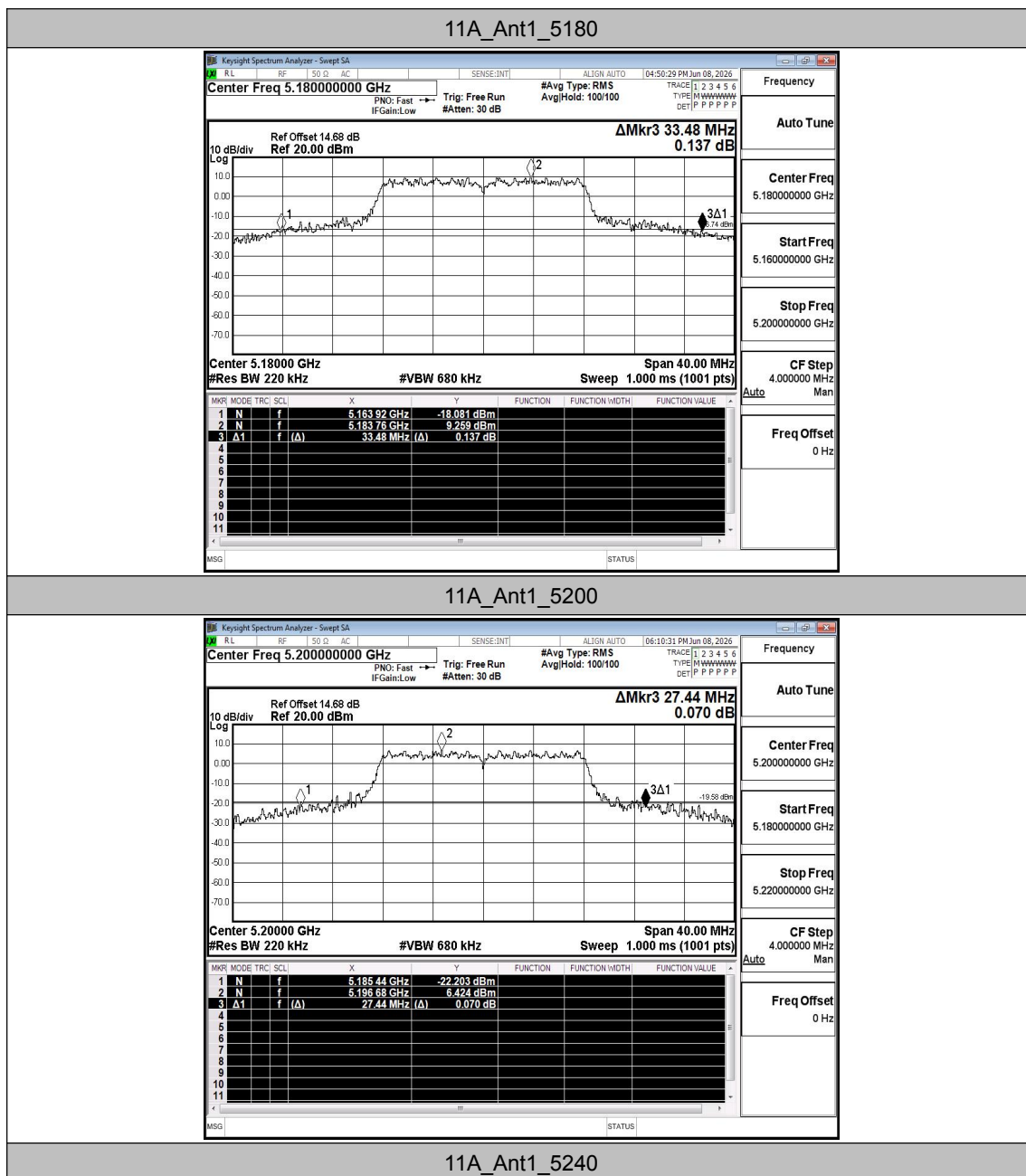
Temperature:	24.2°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

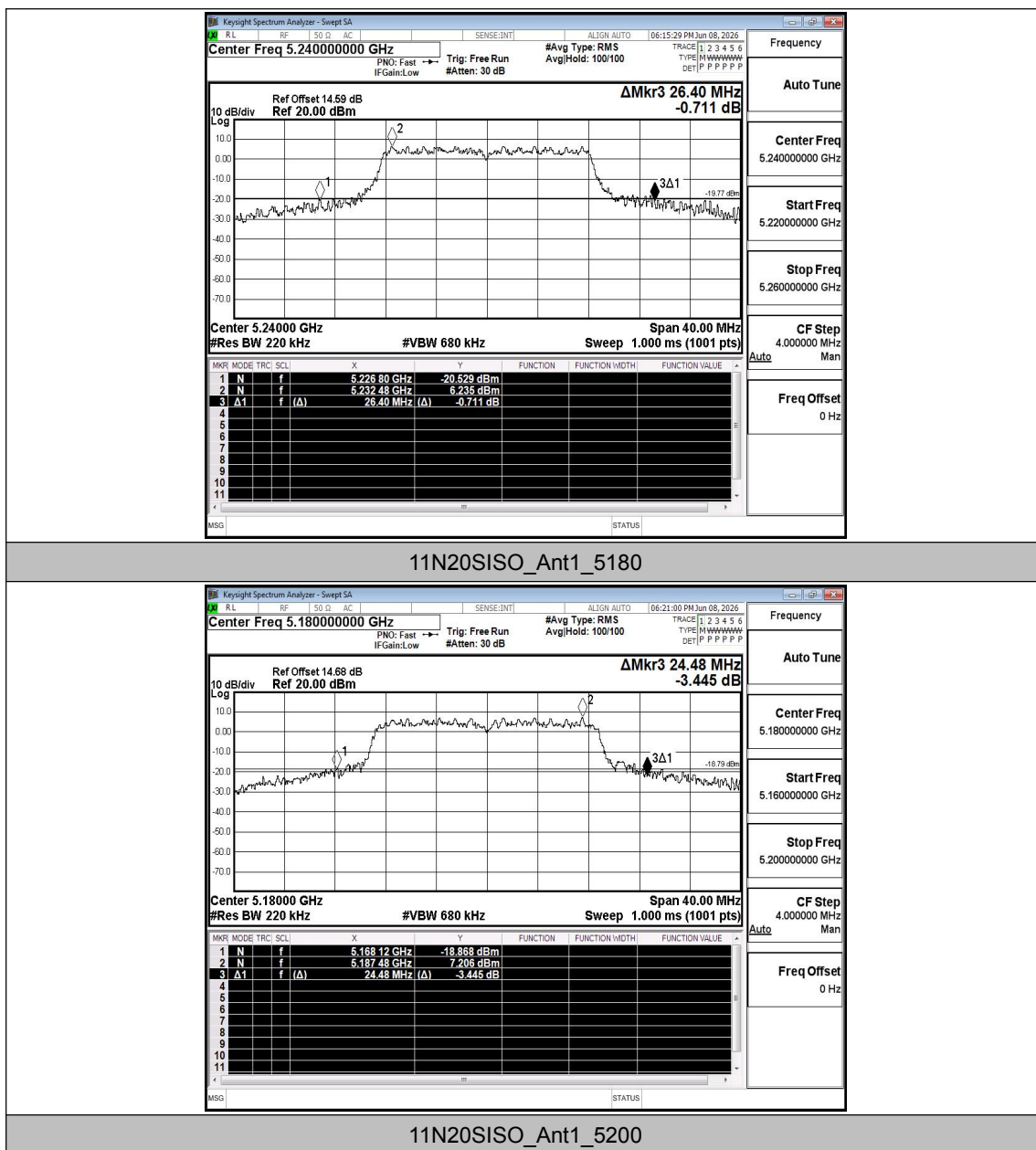
D.1 Emission Bandwidth

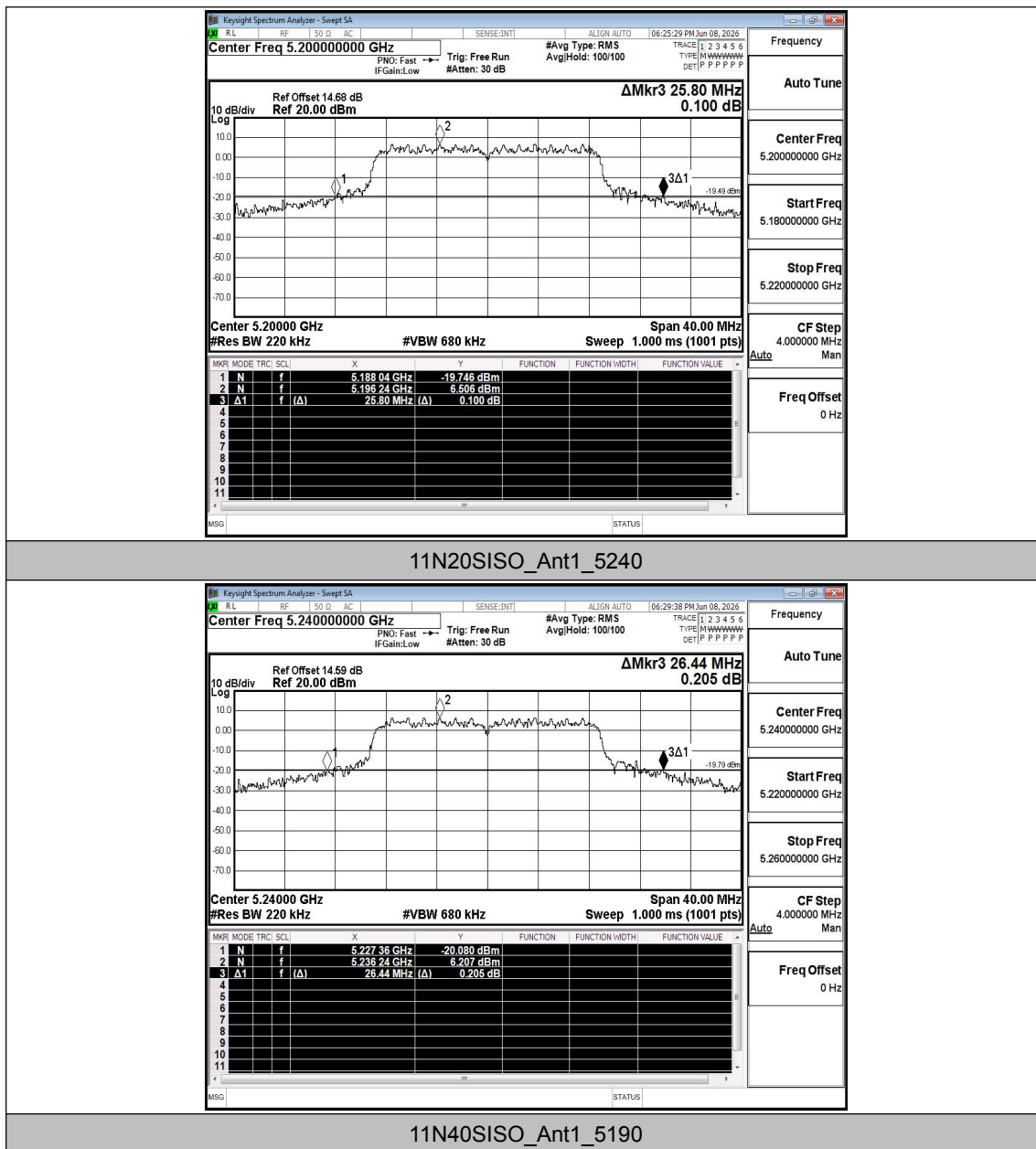
Test Result

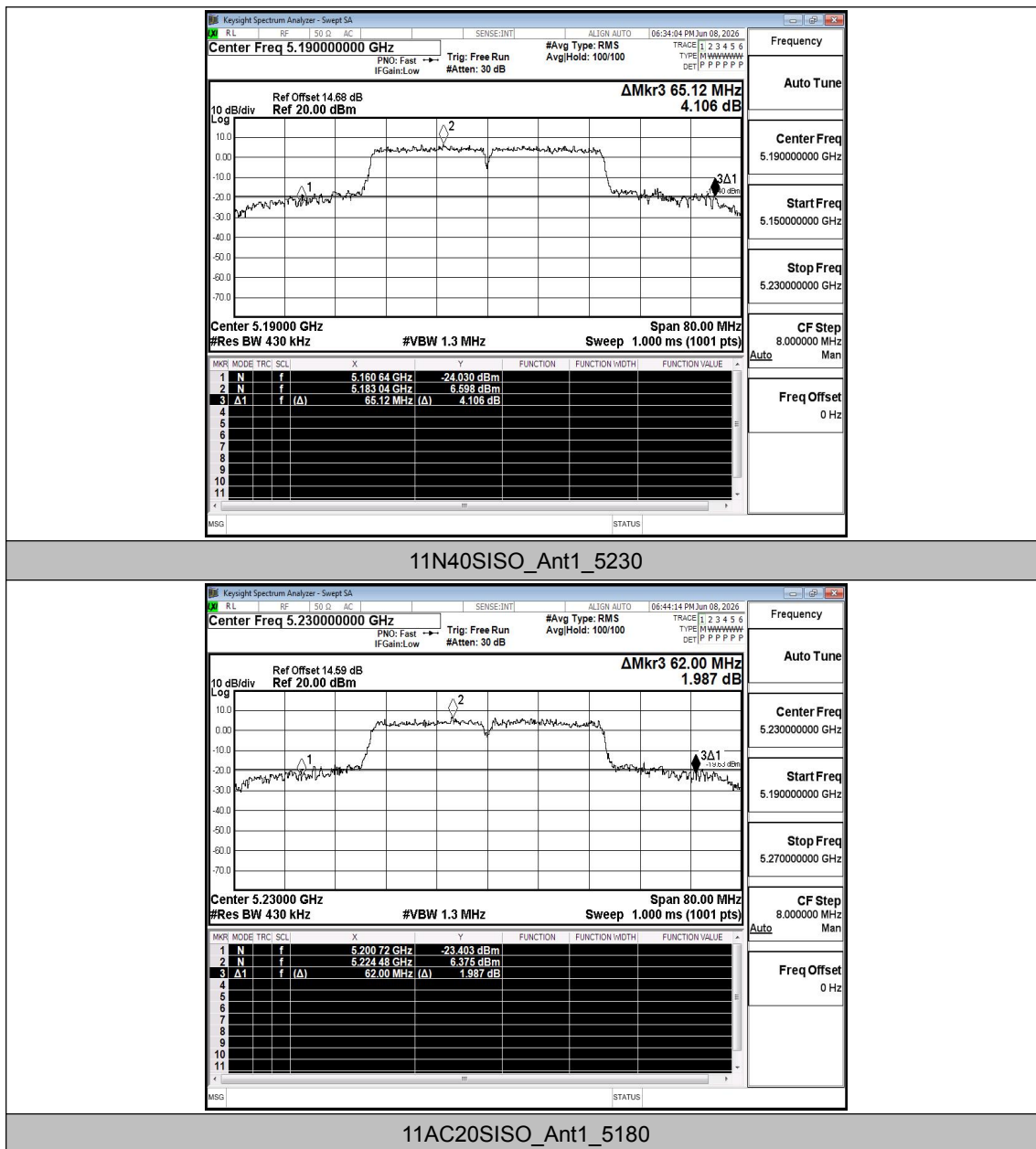
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	33.480	5163.920	5197.400	---	---
		5200	27.440	5185.440	5212.880	---	---
		5240	26.400	5226.800	5253.200	---	---
11N20SISO	Ant1	5180	24.480	5168.120	5192.600	---	---
		5200	25.800	5188.040	5213.840	---	---
		5240	26.440	5227.360	5253.800	---	---
11N40SISO	Ant1	5190	65.120	5160.640	5225.760	---	---
		5230	62.000	5200.720	5262.720	---	---
11AC20SISO	Ant1	5180	26.320	5167.000	5193.320	---	---
		5200	26.880	5186.800	5213.680	---	---
		5240	24.960	5228.440	5253.400	---	---
11AC40SISO	Ant1	5190	64.800	5162.480	5227.280	---	---
		5230	62.480	5202.720	5265.200	---	---
11AC80SISO	Ant1	5210	109.280	5155.920	5265.200	---	---

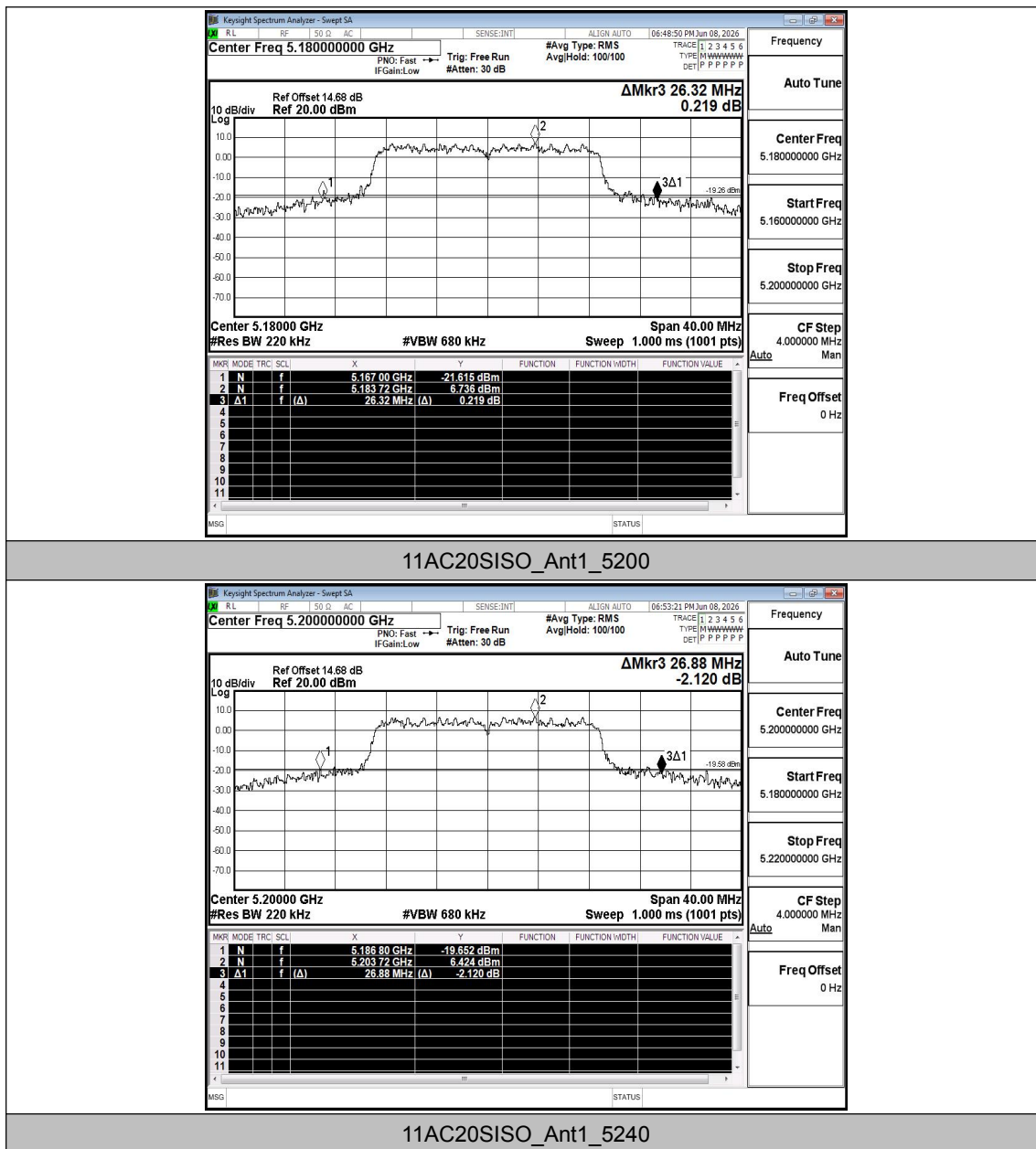
Test Graphs

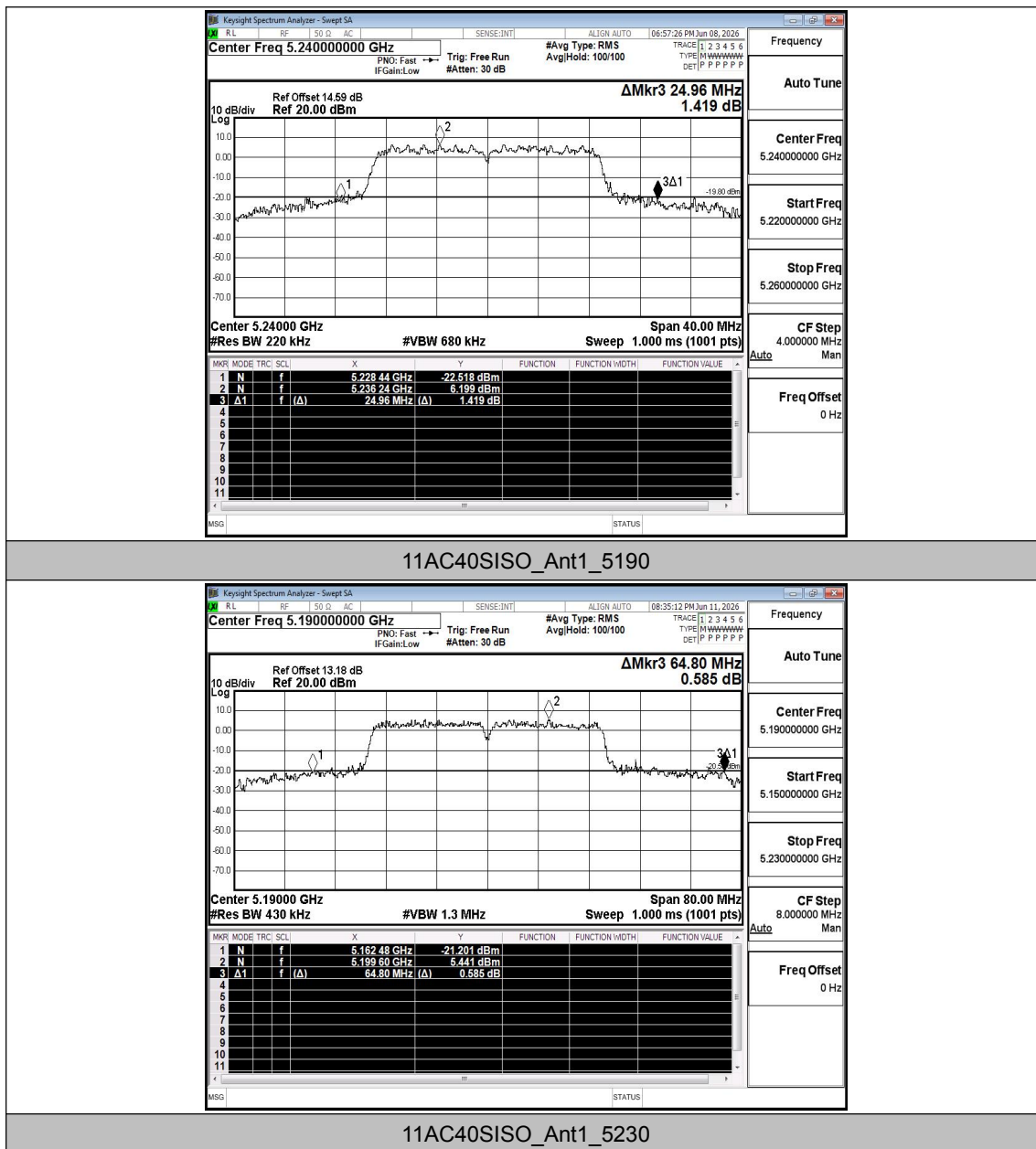


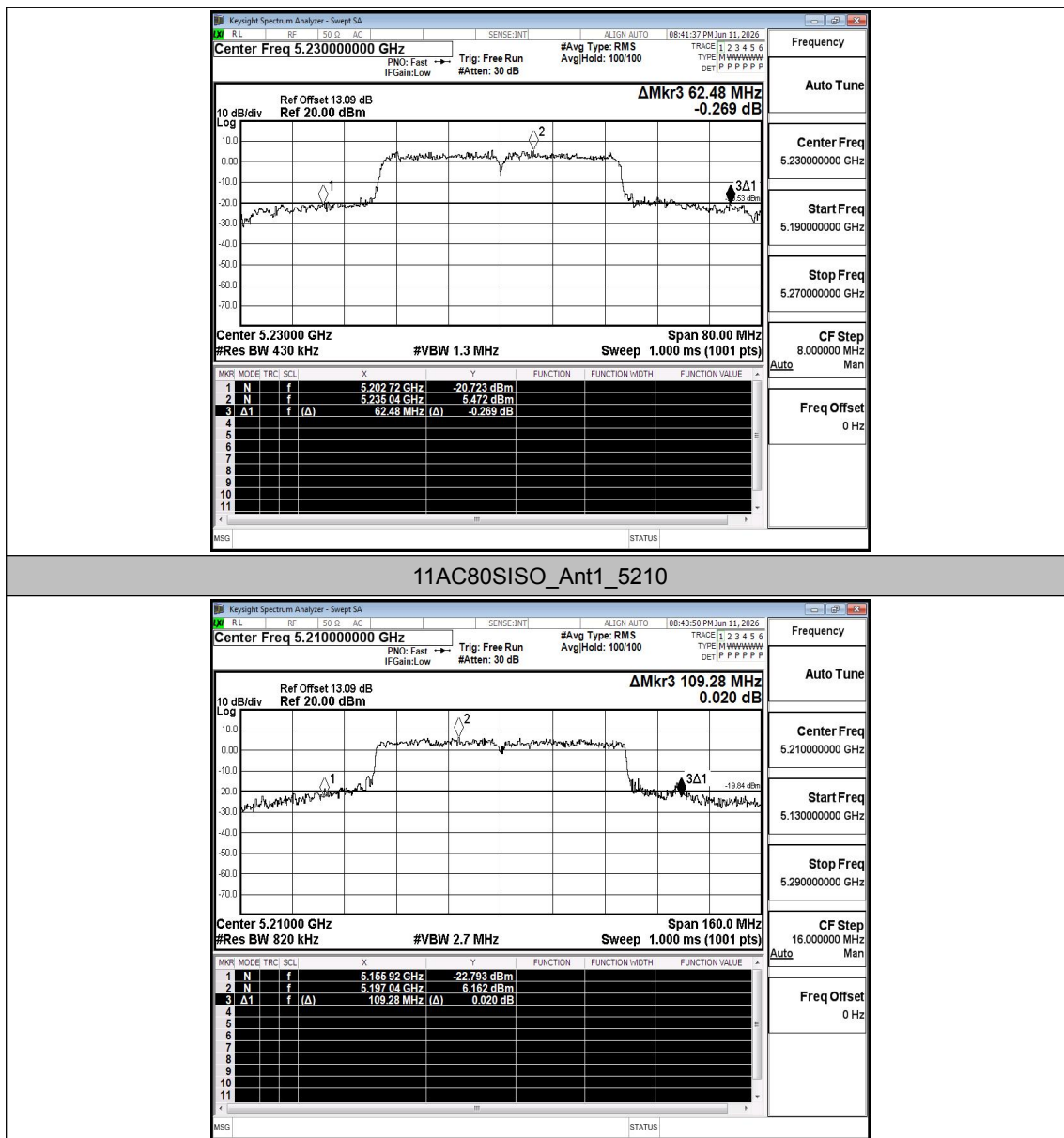












D.2 Maximum conducted output power

Test Result Channel Power

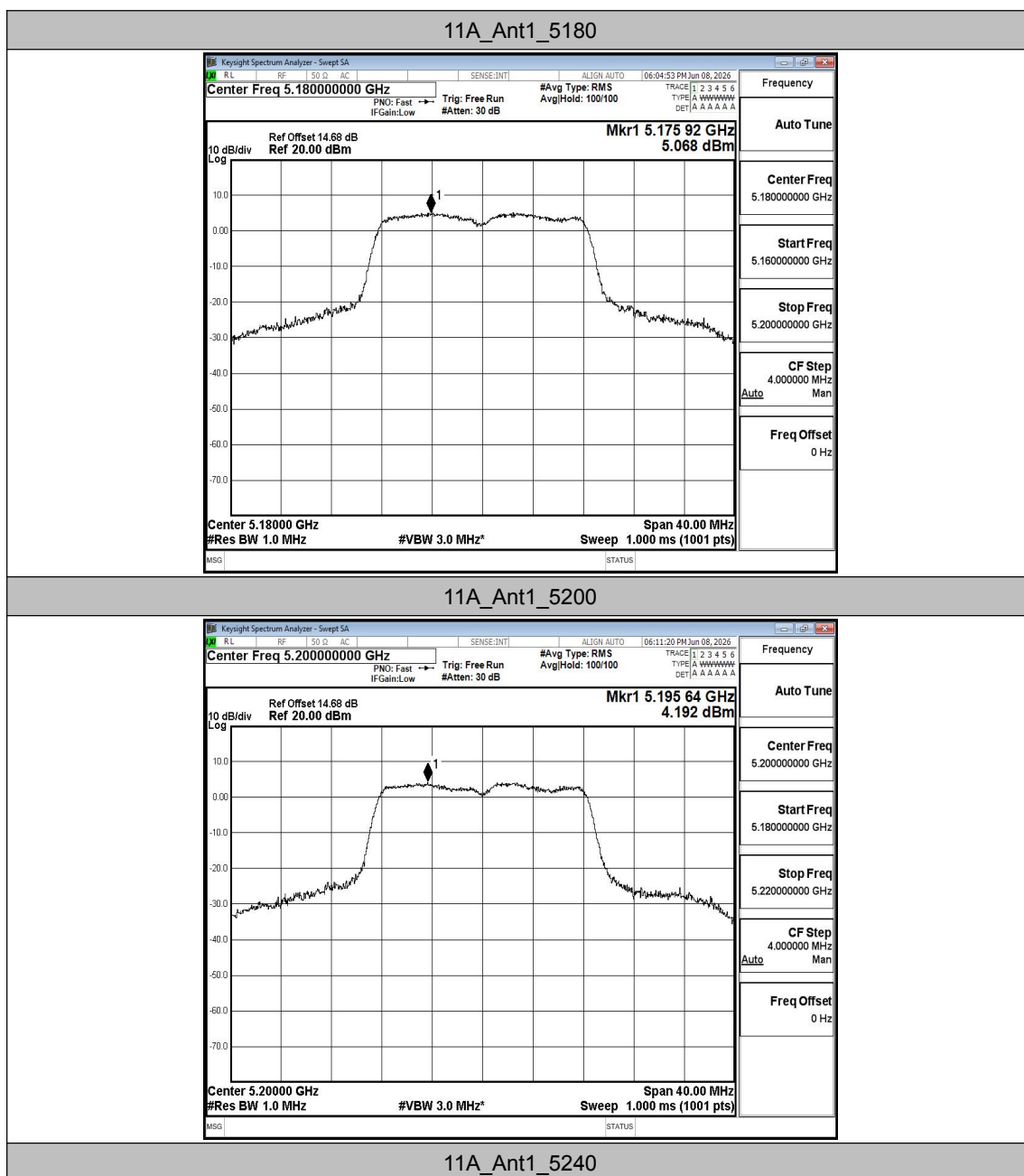
Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	NA	15.92	2.22	18.14	≤23.98	PASS
		5200	NA	15.75	2.14	17.89	≤23.98	PASS
		5240	NA	15.32	2.14	17.46	≤23.98	PASS
11N20SISO	Ant1	5180	NA	15.83	2.14	17.97	≤23.98	PASS
		5200	NA	15.70	2.14	17.84	≤23.98	PASS
		5240	NA	15.27	2.37	17.64	≤23.98	PASS
11N40SISO	Ant1	5190	NA	15.15	3.31	18.46	≤23.98	PASS
		5230	NA	14.82	3.01	17.83	≤23.98	PASS
11AC20SISO	Ant1	5180	NA	15.98	2.00	17.98	≤23.98	PASS
		5200	NA	15.81	2.22	18.03	≤23.98	PASS
		5240	NA	15.37	2.00	17.37	≤23.98	PASS
11AC40SISO	Ant1	5190	NA	14.71	3.27	17.98	≤23.98	PASS
		5230	NA	14.17	3.01	17.18	≤23.98	PASS
11AC80SISO	Ant1	5210	NA	13.76	3.68	17.44	≤23.98	PASS

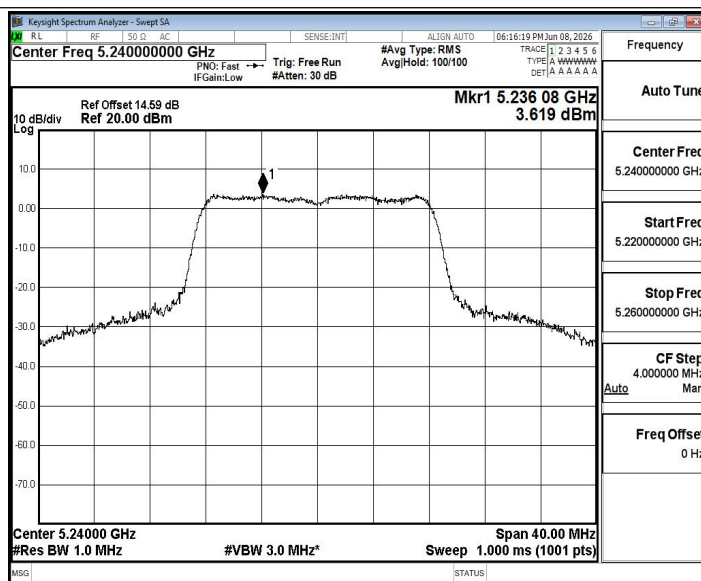
D.3 Maximum power spectral density

Test Result

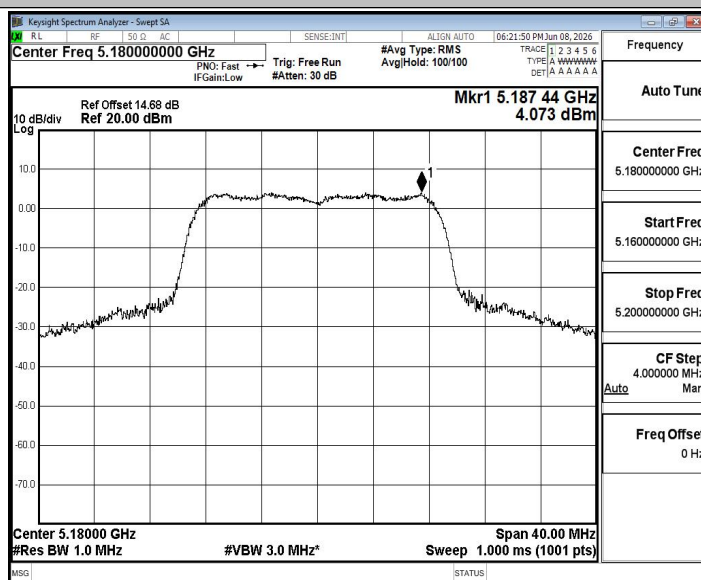
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	5.07	2.22	7.29	≤11.00	PASS
		5200	4.19	2.14	6.33	≤11.00	PASS
		5240	3.62	2.14	5.76	≤11.00	PASS
11N20SISO	Ant1	5180	4.07	2.14	6.21	≤11.00	PASS
		5200	3.85	2.14	5.99	≤11.00	PASS
		5240	3.49	2.37	5.86	≤11.00	PASS
11N40SISO	Ant1	5190	1.01	3.31	4.32	≤11.00	PASS
		5230	0.58	3.01	3.59	≤11.00	PASS
11AC20SISO	Ant1	5180	4.05	2.00	6.05	≤11.00	PASS
		5200	4	2.22	6.22	≤11.00	PASS
		5240	3.52	2.00	5.52	≤11.00	PASS
11AC40SISO	Ant1	5190	-0.09	3.27	3.18	≤11.00	PASS
		5230	0.39	3.01	3.40	≤11.00	PASS
11AC80SISO	Ant1	5210	-3.64	3.68	0.04	≤11.00	PASS

Test Graphs

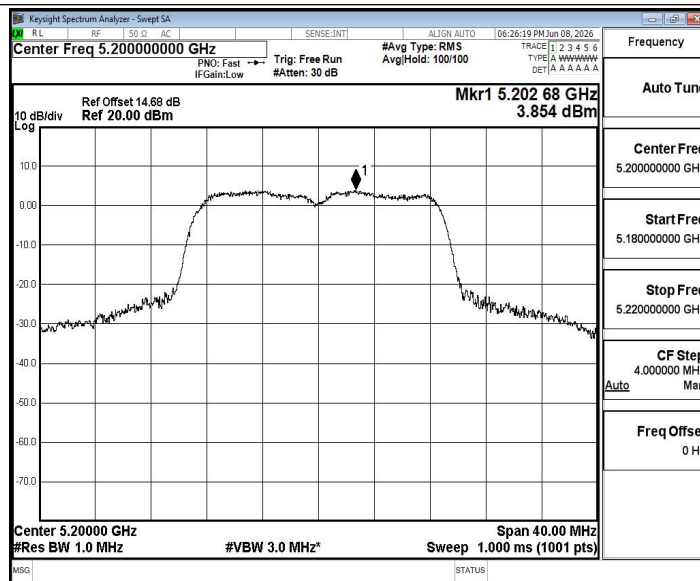




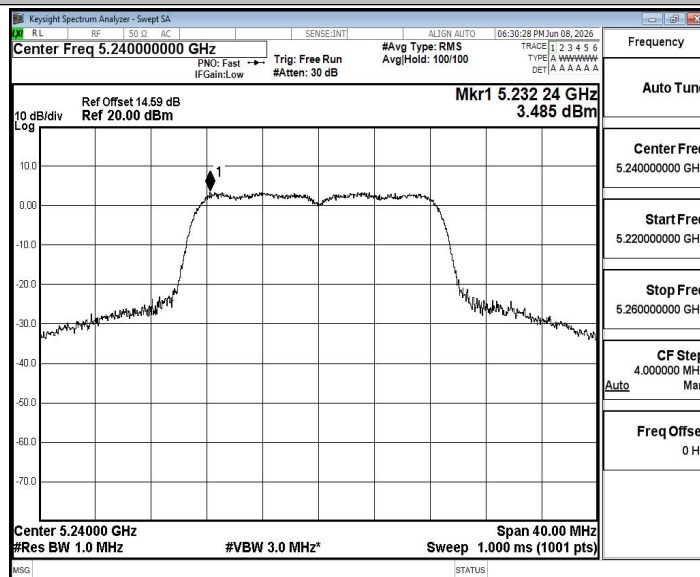
11N20SISO_Ant1_5180



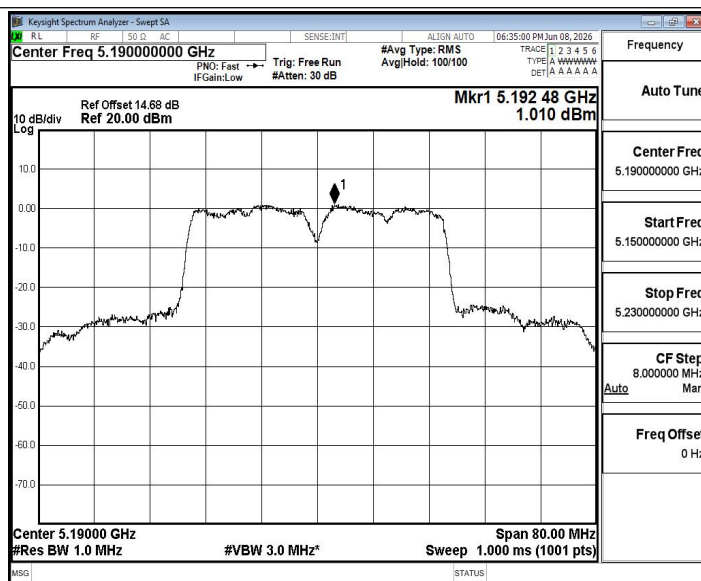
11N20SISO_Ant1_5200



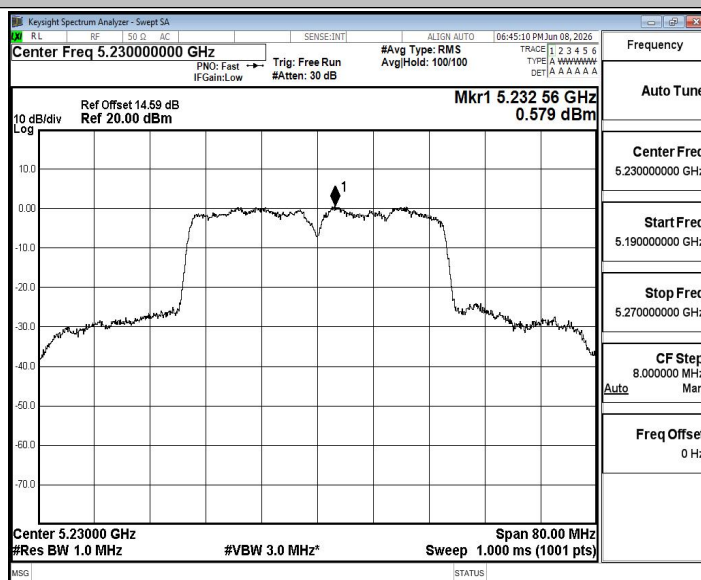
11N20SISO_Ant1_5240



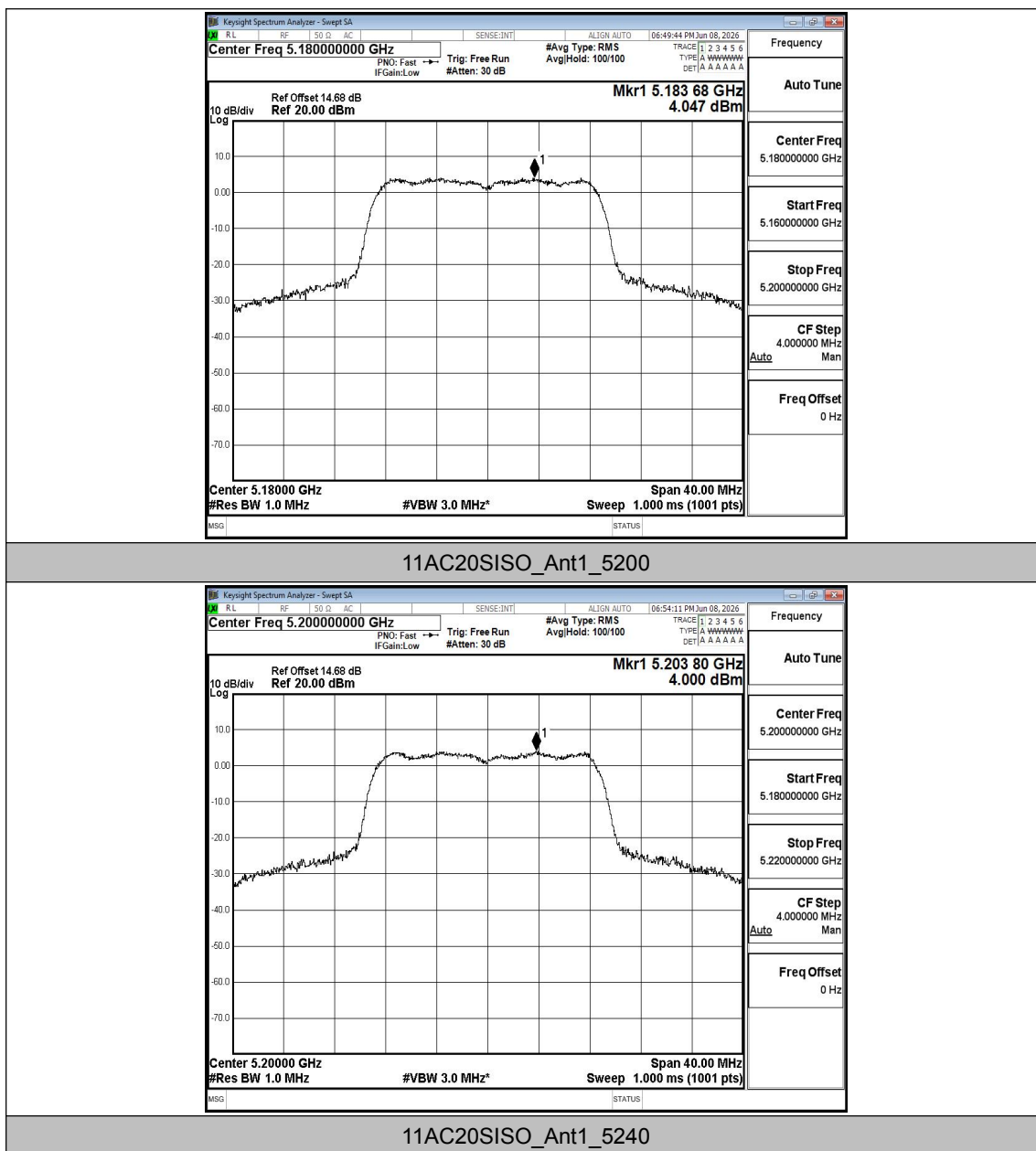
11N40SISO_Ant1_5190

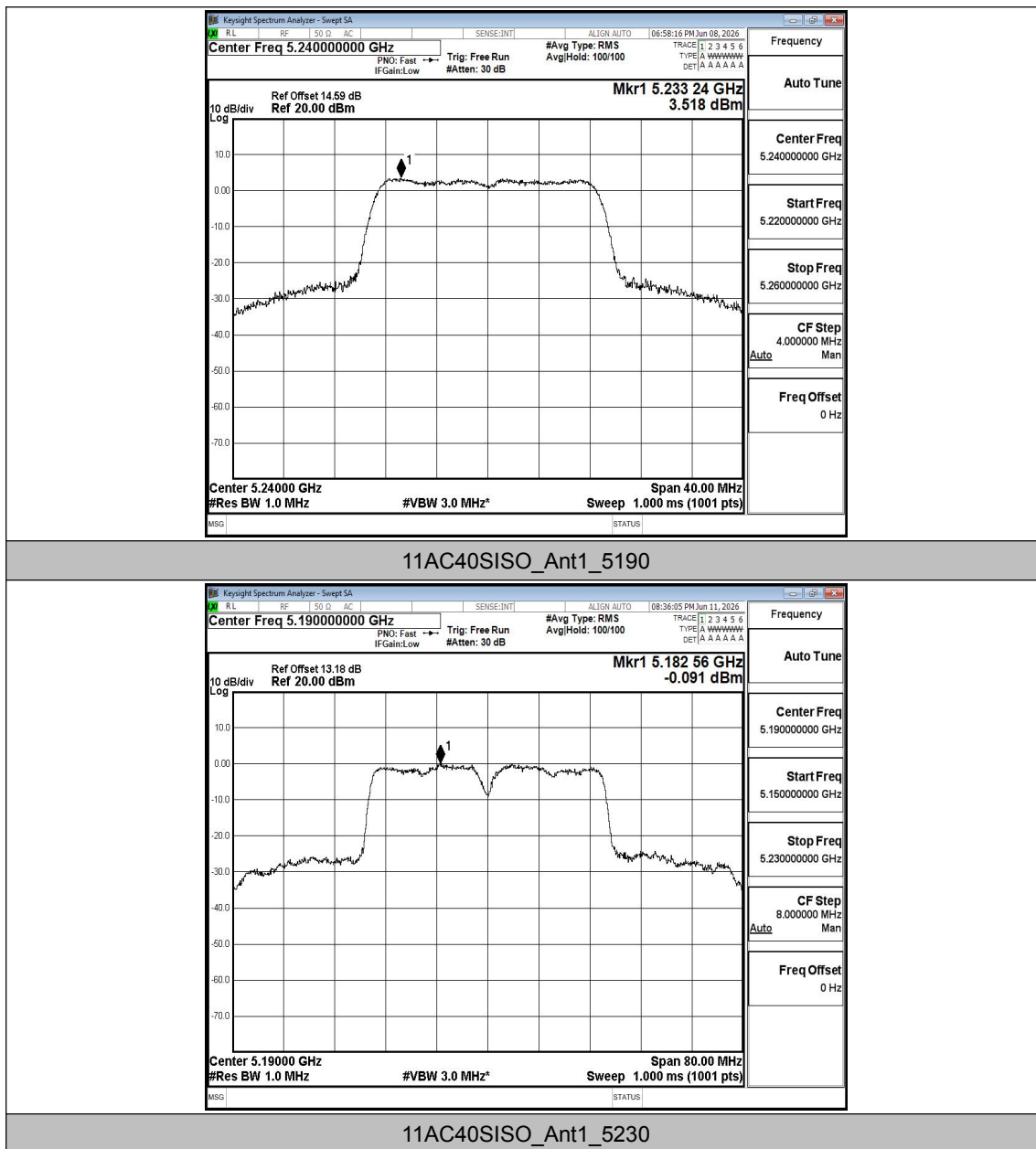


11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180





D.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBUV/m]	Limit [dBUV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-56.61	≤-45.42	2.00	2.22	42.81	≤54	PASS
				AV	5149.600	-46.11	≤-45.42	2.00	2.22	53.31	≤54	PASS
				AV	5150.000	-46.02	≤-45.42	2.00	2.22	53.40	≤54	PASS
				Peak	4500.000	-47.37	≤-29.00	2.00	0.00	49.83	≤68.2	PASS
				Peak	5146.800	-34.07	≤-29.00	2.00	0.00	63.13	≤68.2	PASS
				Peak	5150.000	-33.99	≤-29.00	2.00	0.00	63.21	≤68.2	PASS
		High	5240	AV	5350.000	-55.83	≤-45.34	2.00	2.14	43.51	≤54	PASS
				AV	5360.400	-54.73	≤-45.34	2.00	2.14	44.61	≤54	PASS
				AV	5460.000	-56.13	≤-45.34	2.00	2.14	43.21	≤54	PASS
				Peak	5350.000	-46.44	≤-29.00	2.00	0.00	50.76	≤68.2	PASS
				Peak	5386.560	-44.43	≤-29.00	2.00	0.00	52.77	≤68.2	PASS
				Peak	5460.000	-49.07	≤-29.00	2.00	0.00	48.13	≤68.2	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-56.42	≤-45.34	2.00	2.14	42.92	≤54	PASS
				AV	5149.600	-46.51	≤-45.34	2.00	2.14	52.83	≤54	PASS
				AV	5150.000	-45.64	≤-45.34	2.00	2.14	53.70	≤54	PASS
				Peak	4500.000	-48.38	≤-29.00	2.00	0.00	48.82	≤68.2	PASS
				Peak	5146.800	-31.83	≤-29.00	2.00	0.00	65.37	≤68.2	PASS
				Peak	5150.000	-32.35	≤-29.00	2.00	0.00	64.85	≤68.2	PASS
		High	5240	AV	5350.000	-54.98	≤-45.57	2.00	2.37	44.59	≤54	PASS
				AV	5350.080	-54.98	≤-45.57	2.00	2.37	44.59	≤54	PASS
				AV	5460.000	-55.99	≤-45.57	2.00	2.37	43.58	≤54	PASS
				Peak	5350.000	-47	≤-29.00	2.00	0.00	50.20	≤68.2	PASS
				Peak	5365.680	-45.02	≤-29.00	2.00	0.00	52.18	≤68.2	PASS
				Peak	5460.000	-48.41	≤-29.00	2.00	0.00	48.79	≤68.2	PASS
11N40SISO	Ant1	Low	5190	AV	4500.000	-56.27	≤-46.51	2.00	3.31	44.24	≤54	PASS
				AV	5148.900	-49.63	≤-46.51	2.00	3.31	50.88	≤54	PASS
				AV	5150.000	-48.5	≤-46.51	2.00	3.31	52.01	≤54	PASS
				Peak	4500.000	-46.41	≤-29.00	2.00	0.00	50.79	≤68.2	PASS
				Peak	5149.600	-31.18	≤-29.00	2.00	0.00	66.02	≤68.2	PASS
				Peak	5150.000	-32.35	≤-29.00	2.00	0.00	64.85	≤68.2	PASS
		High	5230	AV	5350.000	-55.49	≤-46.21	2.00	3.01	44.72	≤54	PASS
				AV	5372.900	-54.87	≤-46.21	2.00	3.01	45.34	≤54	PASS
				AV	5460.000	-56.27	≤-46.21	2.00	3.01	43.94	≤54	PASS
				Peak	5350.000	-46.05	≤-29.00	2.00	0.00	51.15	≤68.2	PASS

				Peak	5368.480	-44.79	≤-29.00	2.00	0.00	52.41	≤68.2	PASS
				Peak	5460.000	-48.59	≤-29.00	2.00	0.00	48.61	≤68.2	PASS
11AC20SISO	Ant1	Low	5180	AV	4500.000	-57.05	≤-45.20	2.00	2.00	42.15	≤54	PASS
				AV	5149.600	-45.84	≤-45.20	2.00	2.00	53.36	≤54	PASS
				AV	5150.000	-45.43	≤-45.20	2.00	2.00	53.77	≤54	PASS
				Peak	4500.000	-47.87	≤-29.00	2.00	0.00	49.33	≤68.2	PASS
				Peak	5145.400	-34.94	≤-29.00	2.00	0.00	62.26	≤68.2	PASS
				Peak	5150.000	-30.16	≤-29.00	2.00	0.00	67.04	≤68.2	PASS
		High	5240	AV	5350.000	-55.12	≤-45.20	2.00	2.00	44.08	≤54	PASS
				AV	5351.520	-54.92	≤-45.20	2.00	2.00	44.28	≤54	PASS
				AV	5460.000	-56.17	≤-45.20	2.00	2.00	43.03	≤54	PASS
				Peak	5350.000	-46.39	≤-29.00	2.00	0.00	50.81	≤68.2	PASS
				Peak	5365.200	-45.06	≤-29.00	2.00	0.00	52.14	≤68.2	PASS
				Peak	5460.000	-47.9	≤-29.00	2.00	0.00	49.30	≤68.2	PASS
11AC40SISO	Ant1	Low	5190	AV	4500.000	-62.01	≤-46.47	2.00	3.27	38.46	≤54	PASS
				AV	5149.600	-51.85	≤-46.47	2.00	3.27	48.62	≤54	PASS
				AV	5150.000	-52.63	≤-46.47	2.00	3.27	47.84	≤54	PASS
				Peak	4500.000	-54.02	≤-29.00	2.00	0.00	43.18	≤68.2	PASS
				Peak	5147.500	-39.46	≤-29.00	2.00	0.00	57.74	≤68.2	PASS
				Peak	5150.000	-36.01	≤-29.00	2.00	0.00	61.19	≤68.2	PASS
		High	5230	AV	5350.000	-57.18	≤-46.21	2.00	3.01	43.03	≤54	PASS
				AV	5371.600	-56.7	≤-46.21	2.00	3.01	43.51	≤54	PASS
				AV	5460.000	-57.39	≤-46.21	2.00	3.01	42.82	≤54	PASS
				Peak	5350.000	-49.03	≤-29.00	2.00	0.00	48.17	≤68.2	PASS
				Peak	5438.680	-46.61	≤-29.00	2.00	0.00	50.59	≤68.2	PASS
				Peak	5460.000	-49.81	≤-29.00	2.00	0.00	47.39	≤68.2	PASS
11AC80SISO	Ant1	Low	5210	AV	4500.000	-61.95	≤-46.88	2.00	3.68	38.93	≤54	PASS
				AV	5147.250	-51.93	≤-46.88	2.00	3.68	48.95	≤54	PASS
				AV	5150.000	-52.89	≤-46.88	2.00	3.68	47.99	≤54	PASS
				Peak	4500.000	-53.35	≤-29.00	2.00	0.00	43.85	≤68.2	PASS
				Peak	5149.500	-36.49	≤-29.00	2.00	0.00	60.71	≤68.2	PASS
				Peak	5150.000	-40.39	≤-29.00	2.00	0.00	56.81	≤68.2	PASS
		High	5210	AV	5350.000	-58.52	≤-46.88	2.00	3.68	42.36	≤54	PASS
				AV	5450.480	-58.16	≤-46.88	2.00	3.68	42.72	≤54	PASS
				AV	5460.000	-61.55	≤-46.88	2.00	3.68	39.33	≤54	PASS
				Peak	5350.000	-47.42	≤-29.00	2.00	0.00	49.78	≤68.2	PASS
				Peak	5449.360	-40.96	≤-29.00	2.00	0.00	56.24	≤68.2	PASS
				Peak	5460.000	-54.11	≤-29.00	2.00	0.00	43.09	≤68.2	PASS

Note:

1. The Antenna Gain is compensated in the graph.

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Test Graphs

