

Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: PicassoTab_ Z13

Test Model: PicassoTab_ Z13

Environmental Conditions

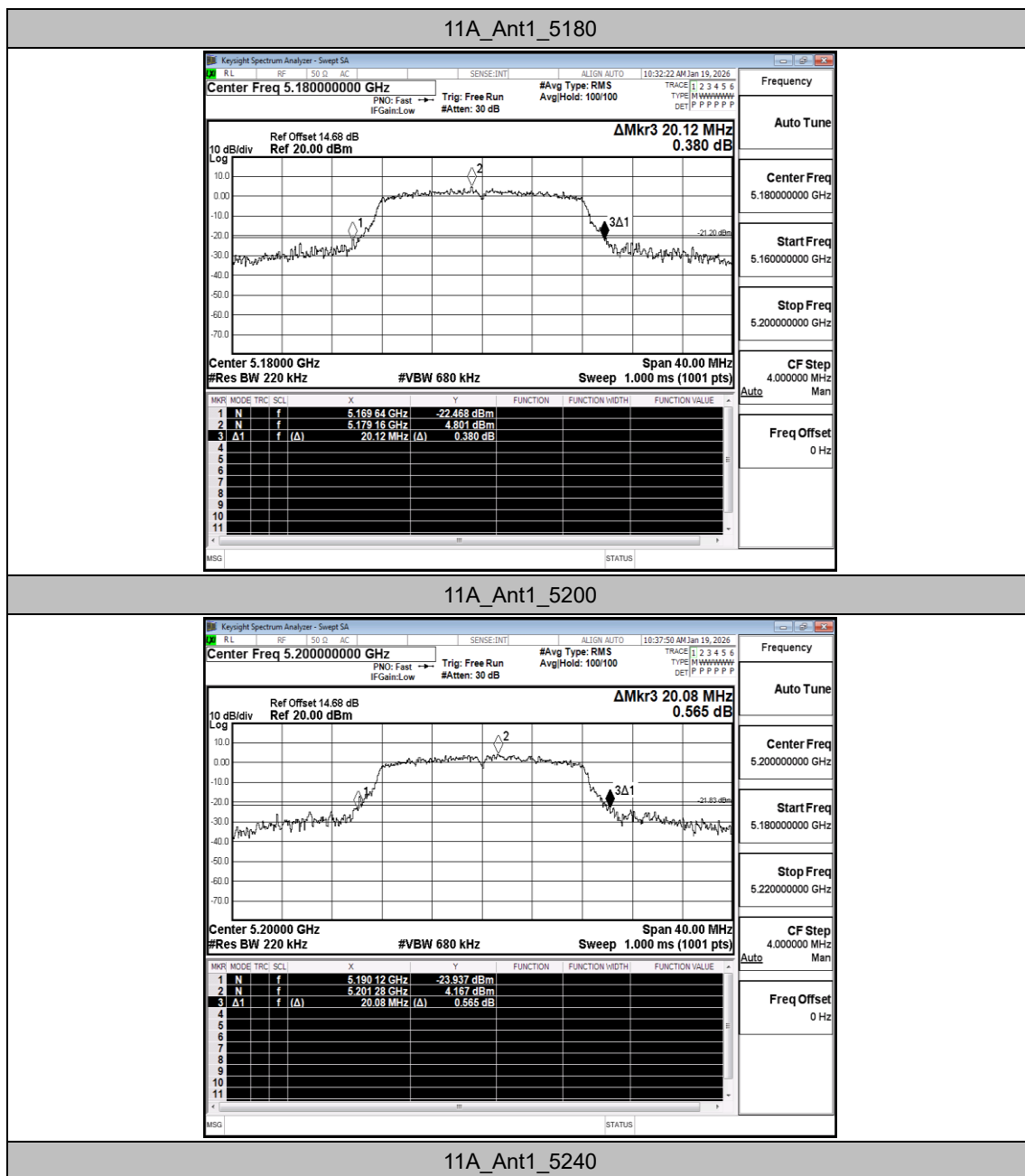
Temperature:	23.1°C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

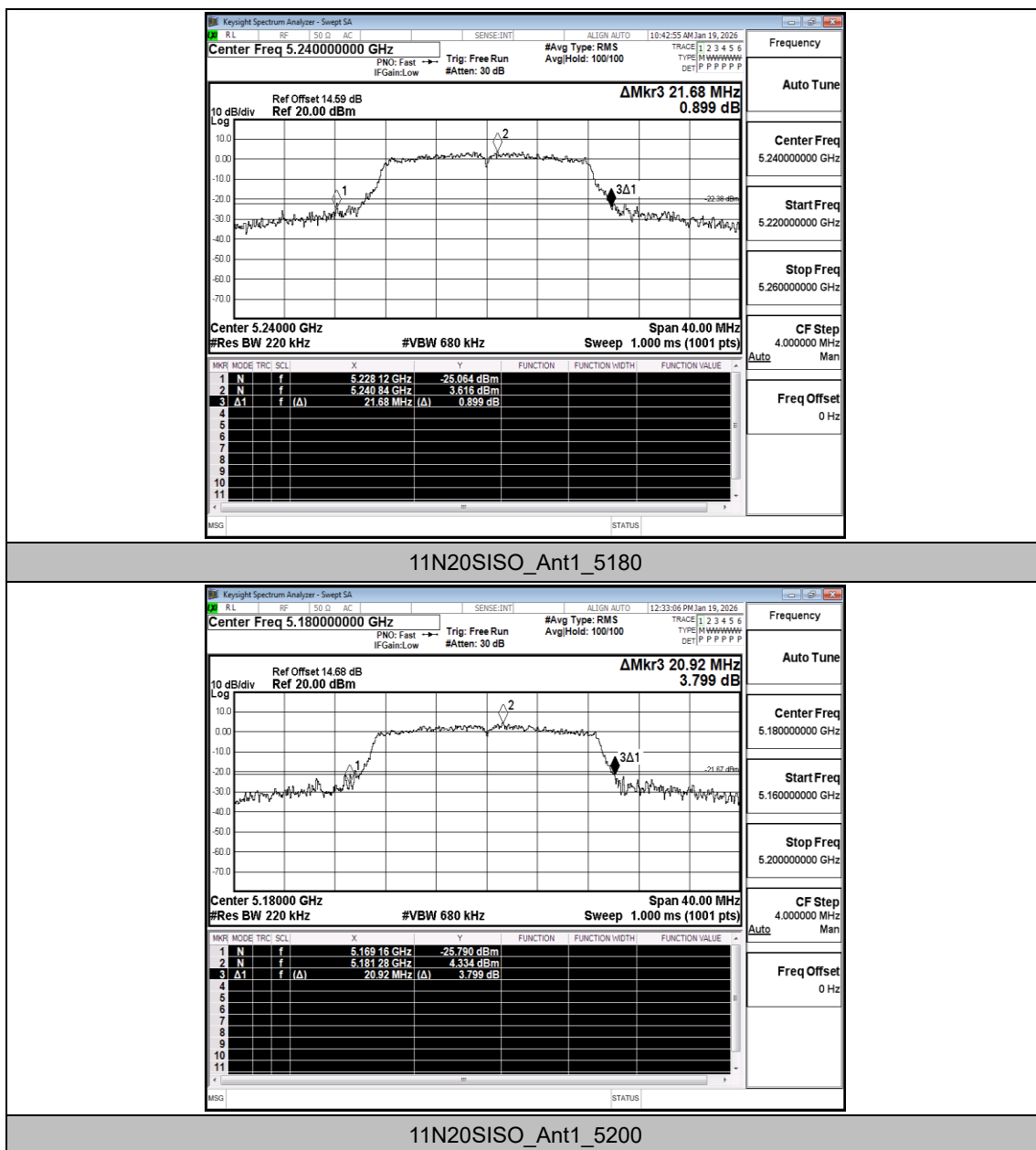
D.1 Emission Bandwidth

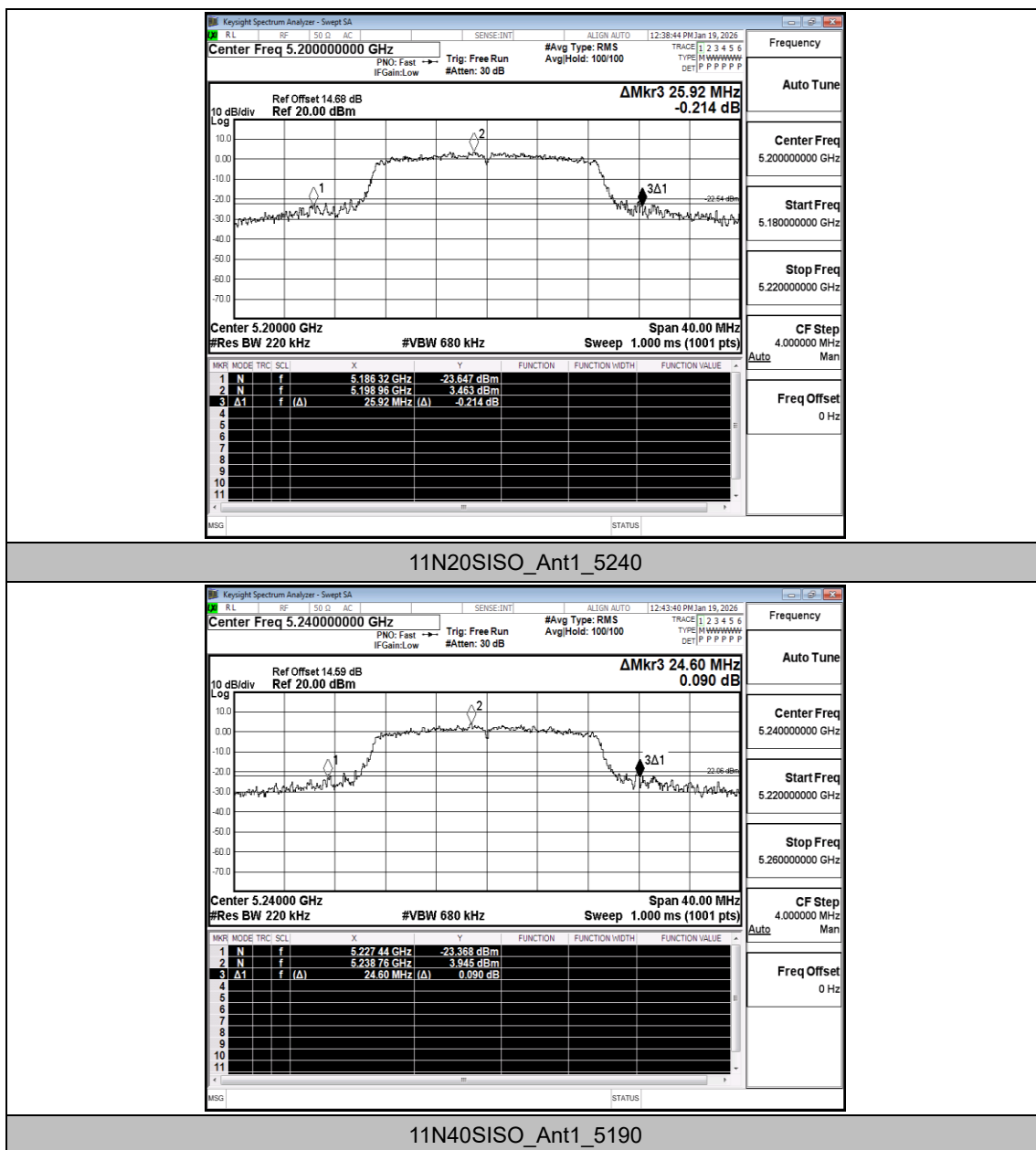
Test Result

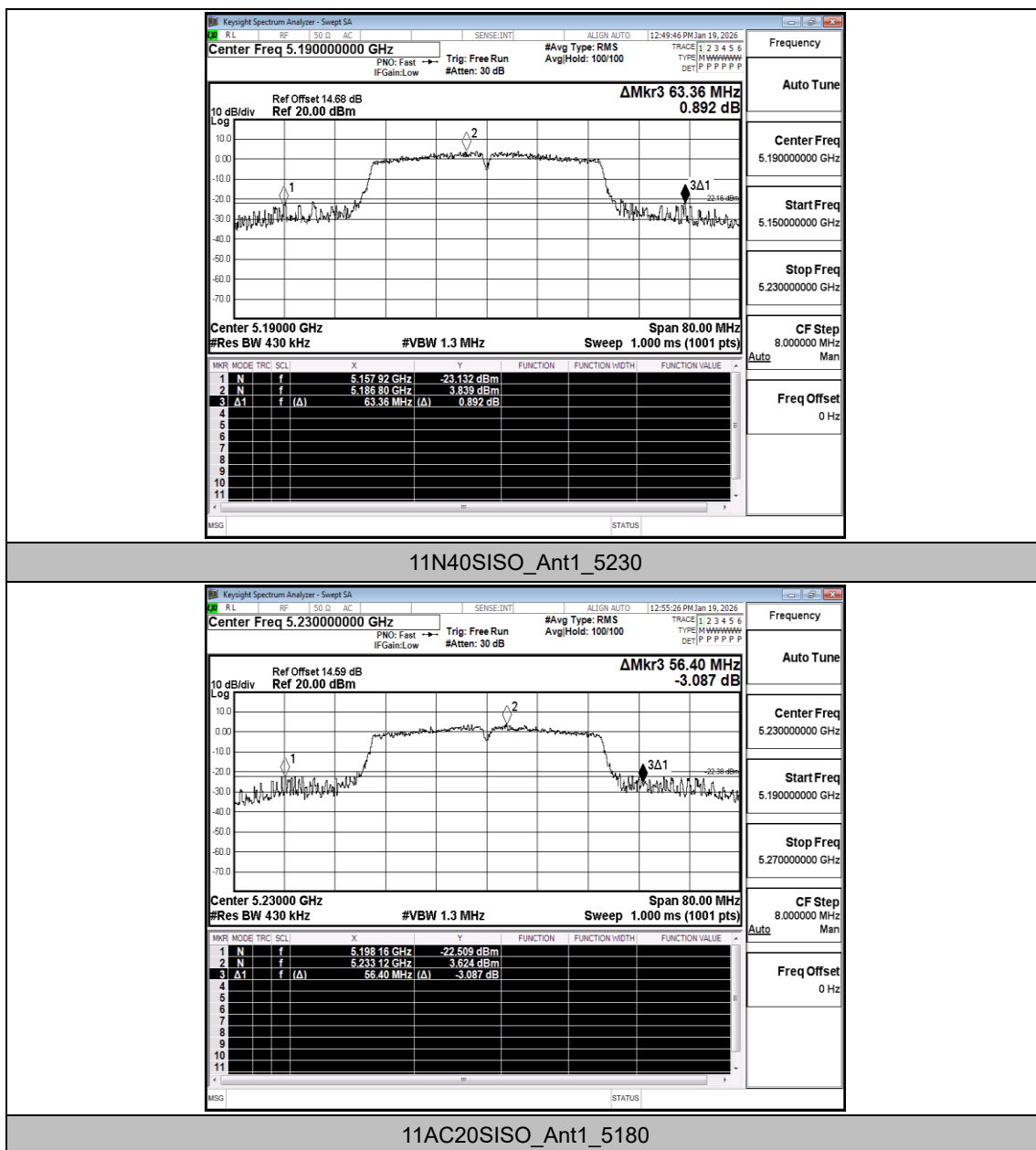
TestMode	Antenna	Freq (MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	20.120	5169.640	5189.760	---	---
		5200	20.080	5190.120	5210.200	---	---
		5240	21.680	5228.120	5249.800	---	---
11N20SISO	Ant1	5180	20.920	5169.160	5190.080	---	---
		5200	25.920	5186.320	5212.240	---	---
		5240	24.600	5227.440	5252.040	---	---
11N40SISO	Ant1	5190	63.360	5157.920	5221.280	---	---
		5230	56.400	5198.160	5254.560	---	---
11AC20SISO	Ant1	5180	20.400	5169.960	5190.360	---	---
		5200	20.360	5189.880	5210.240	---	---
		5240	20.440	5229.960	5250.400	---	---
11AC40SISO	Ant1	5190	40.640	5169.600	5210.240	---	---
		5230	43.760	5209.760	5253.520	---	---
11AC80SISO	Ant1	5210	81.280	5169.360	5250.640	---	---

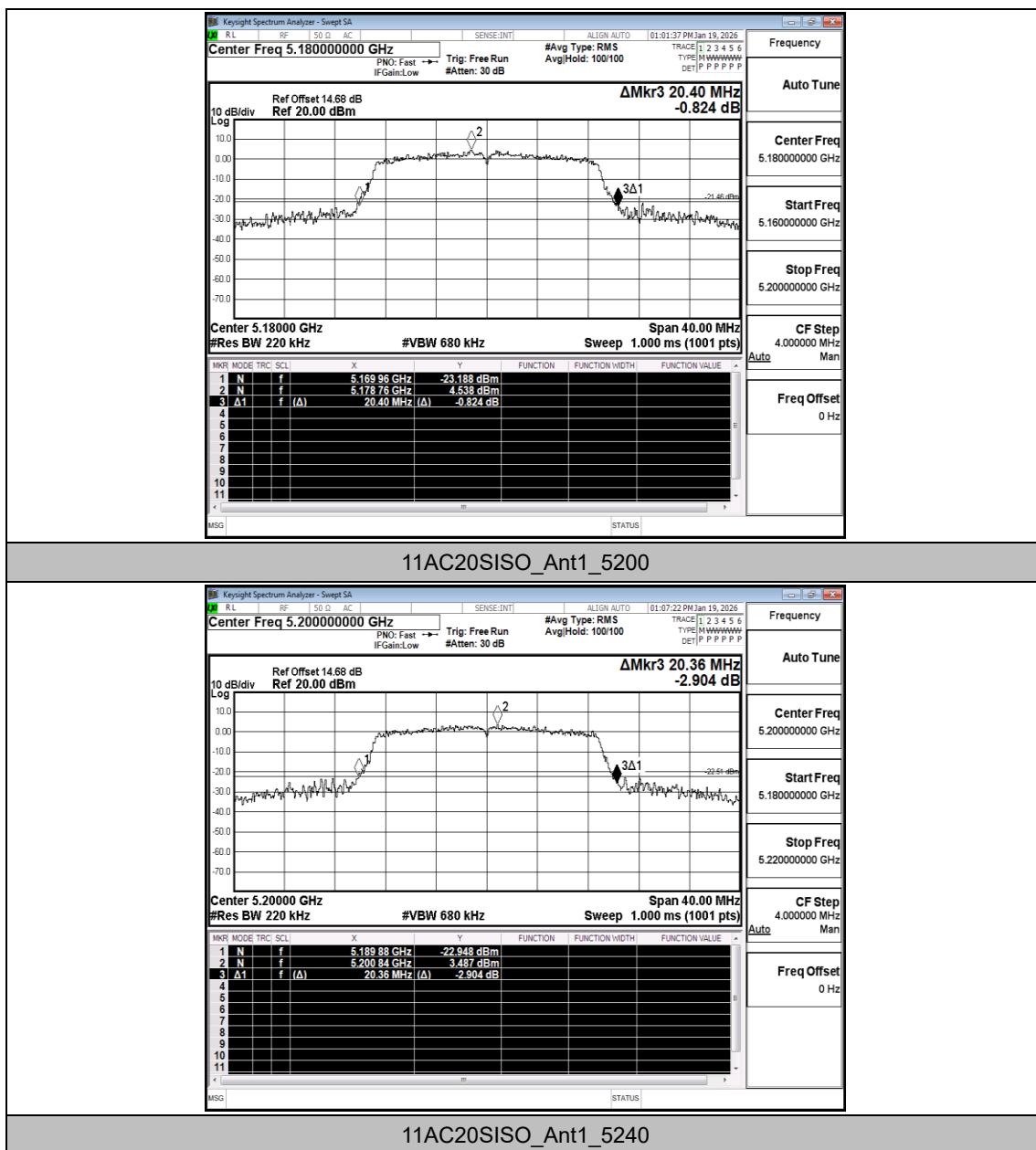
Test Graphs

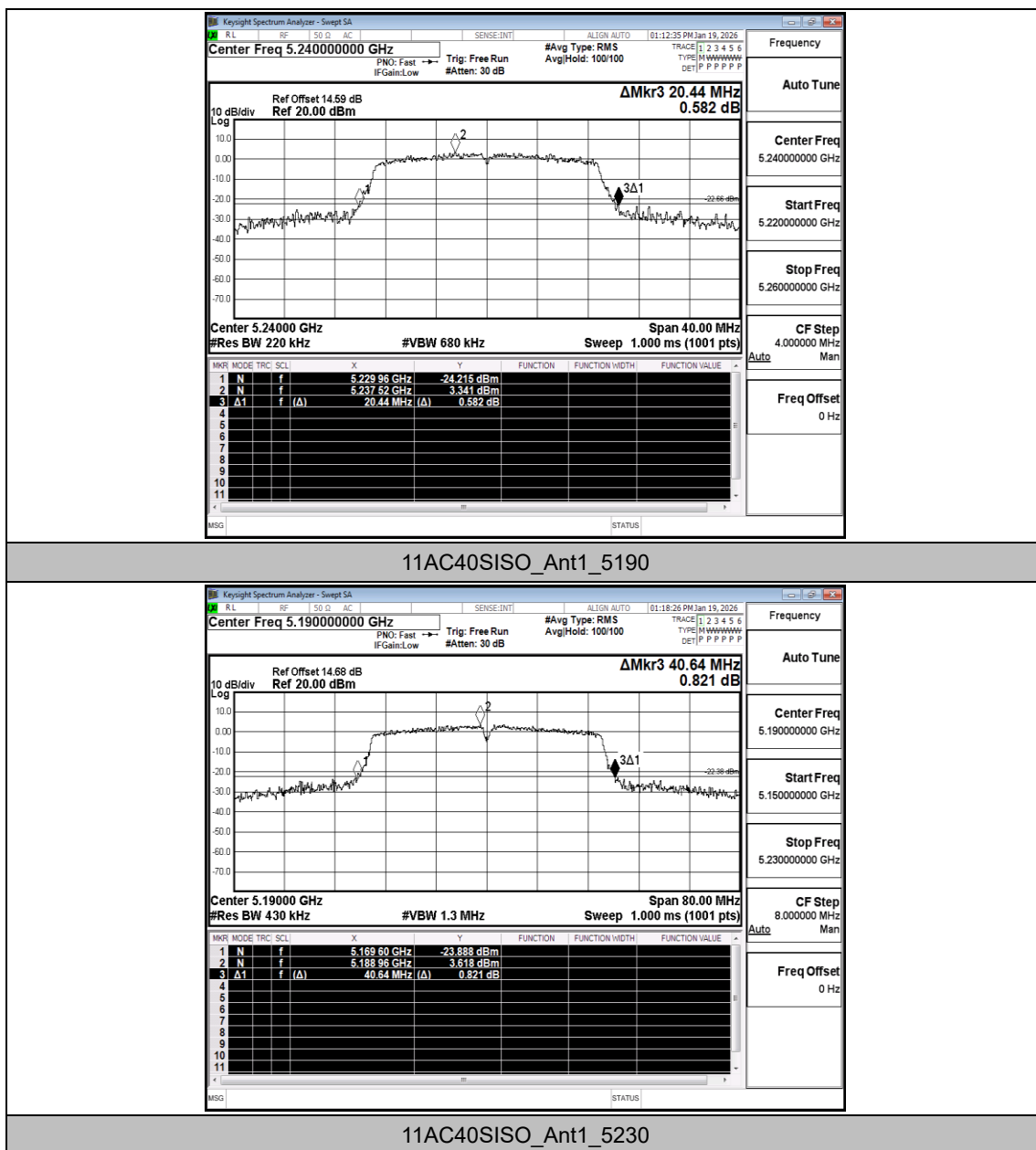


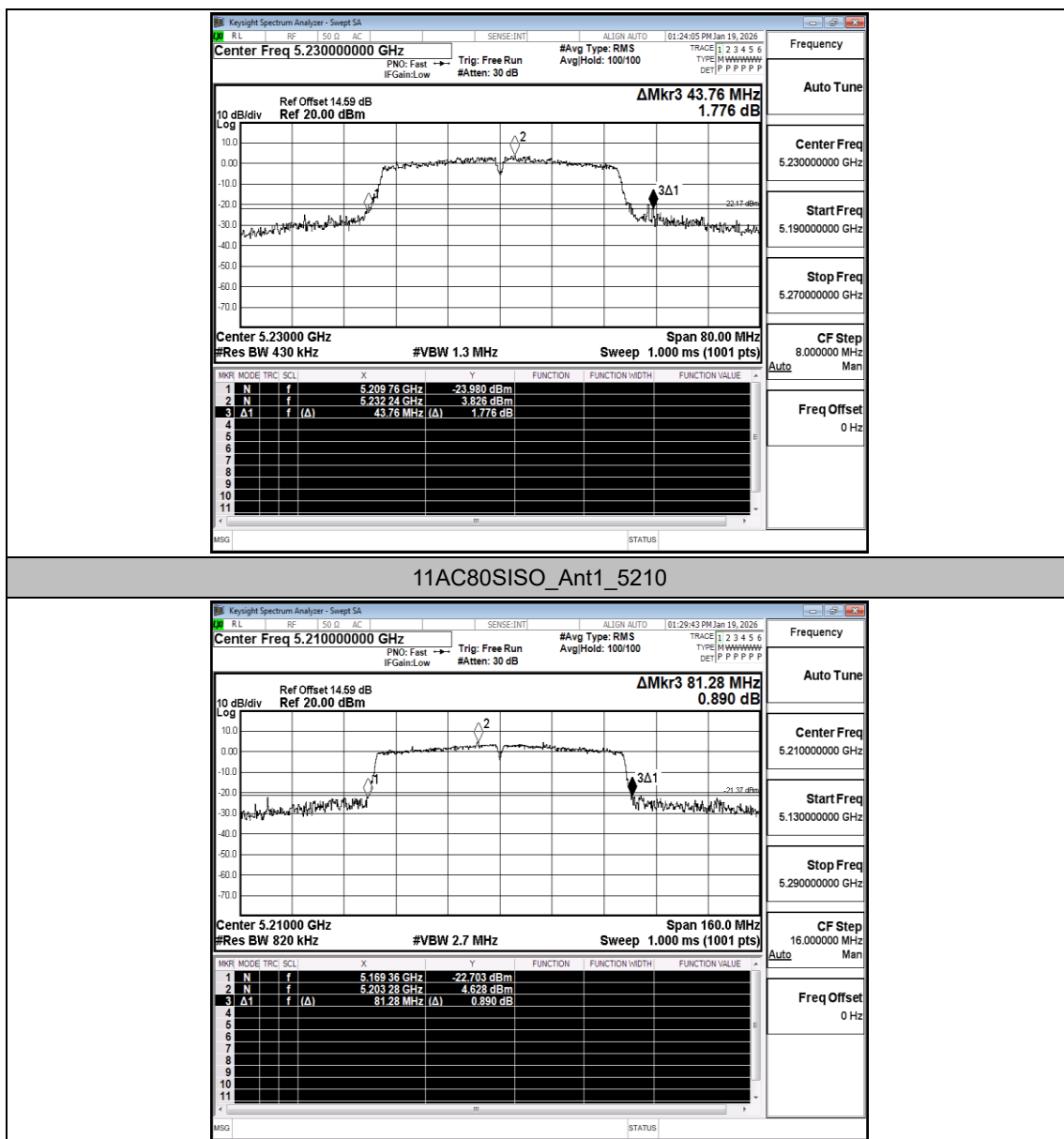












D.2 Maximum conducted output power

Test Result

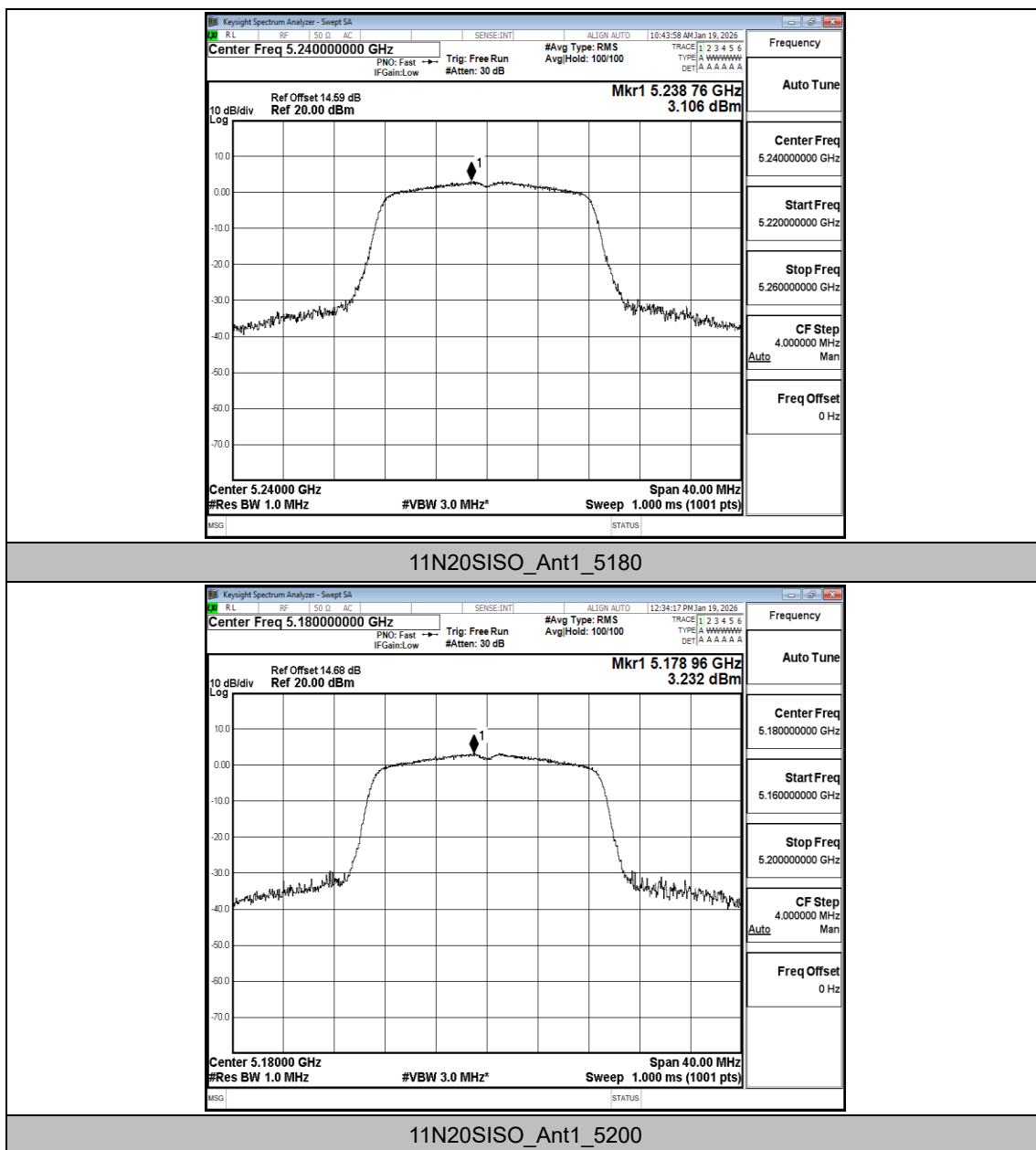
Test Mode	Antenna	Freq (MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	NA	14.92	0.12	15.04	≤23.98	PASS
		5200	NA	14.62	0.12	14.74	≤23.98	PASS
		5240	NA	14.12	0.09	14.21	≤23.98	PASS
11N20SISO	Ant1	5180	NA	14.71	0.13	14.84	≤23.98	PASS
		5200	NA	14.62	0.10	14.72	≤23.98	PASS
		5240	NA	14.05	0.10	14.15	≤23.98	PASS
11N40SISO	Ant1	5190	NA	14.53	0.20	14.73	≤23.98	PASS
		5230	NA	13.84	0.20	14.04	≤23.98	PASS
11AC20SISO	Ant1	5180	NA	14.78	0.13	14.91	≤23.98	PASS
		5200	NA	14.58	0.10	14.68	≤23.98	PASS
		5240	NA	13.98	0.10	14.08	≤23.98	PASS
11AC40SISO	Ant1	5190	NA	14.52	0.20	14.72	≤23.98	PASS
		5230	NA	13.89	0.26	14.15	≤23.98	PASS
11AC80SISO	Ant1	5210	NA	13.95	0.38	14.33	≤23.98	PASS

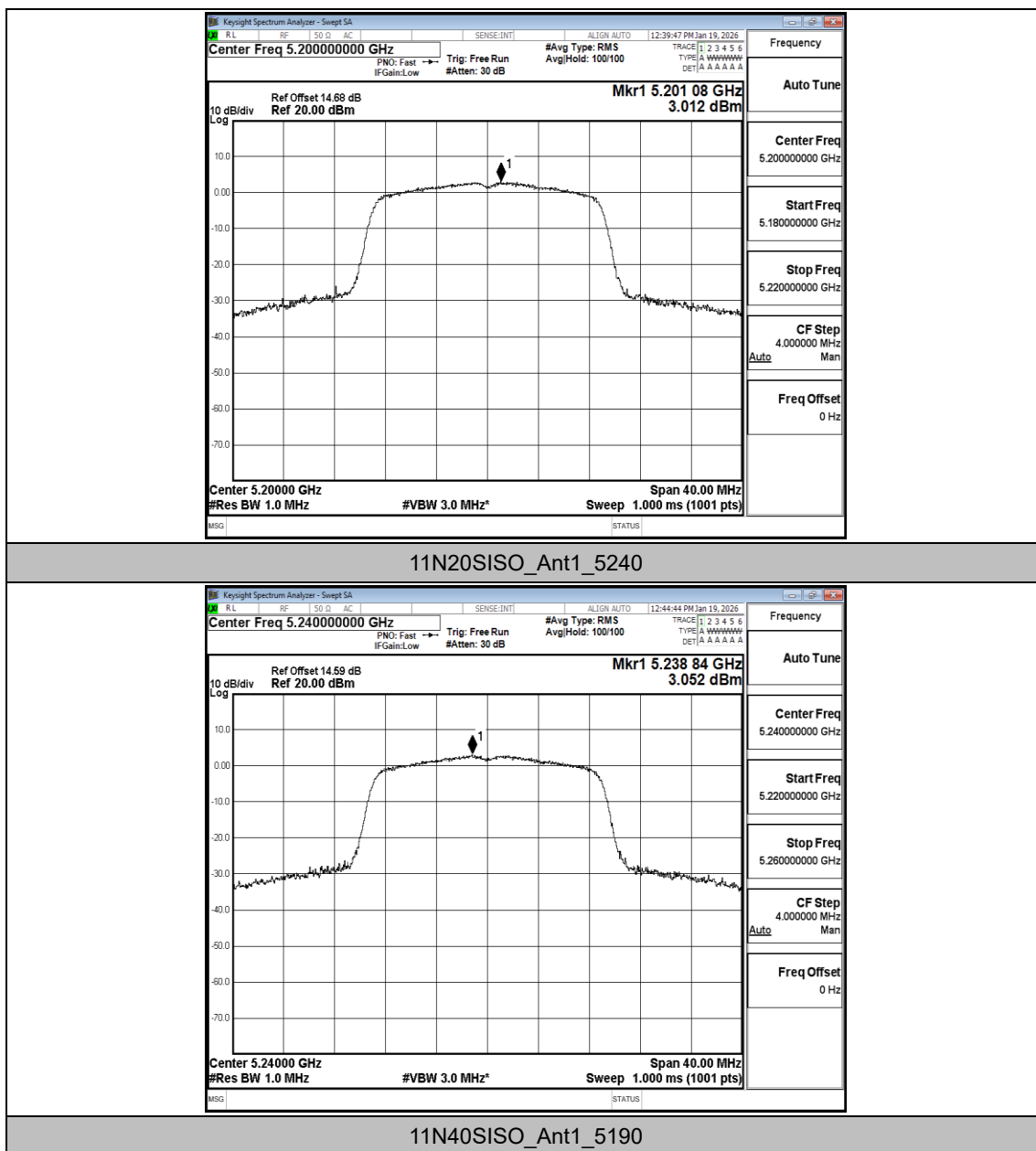
D.3 Maximum power spectral density

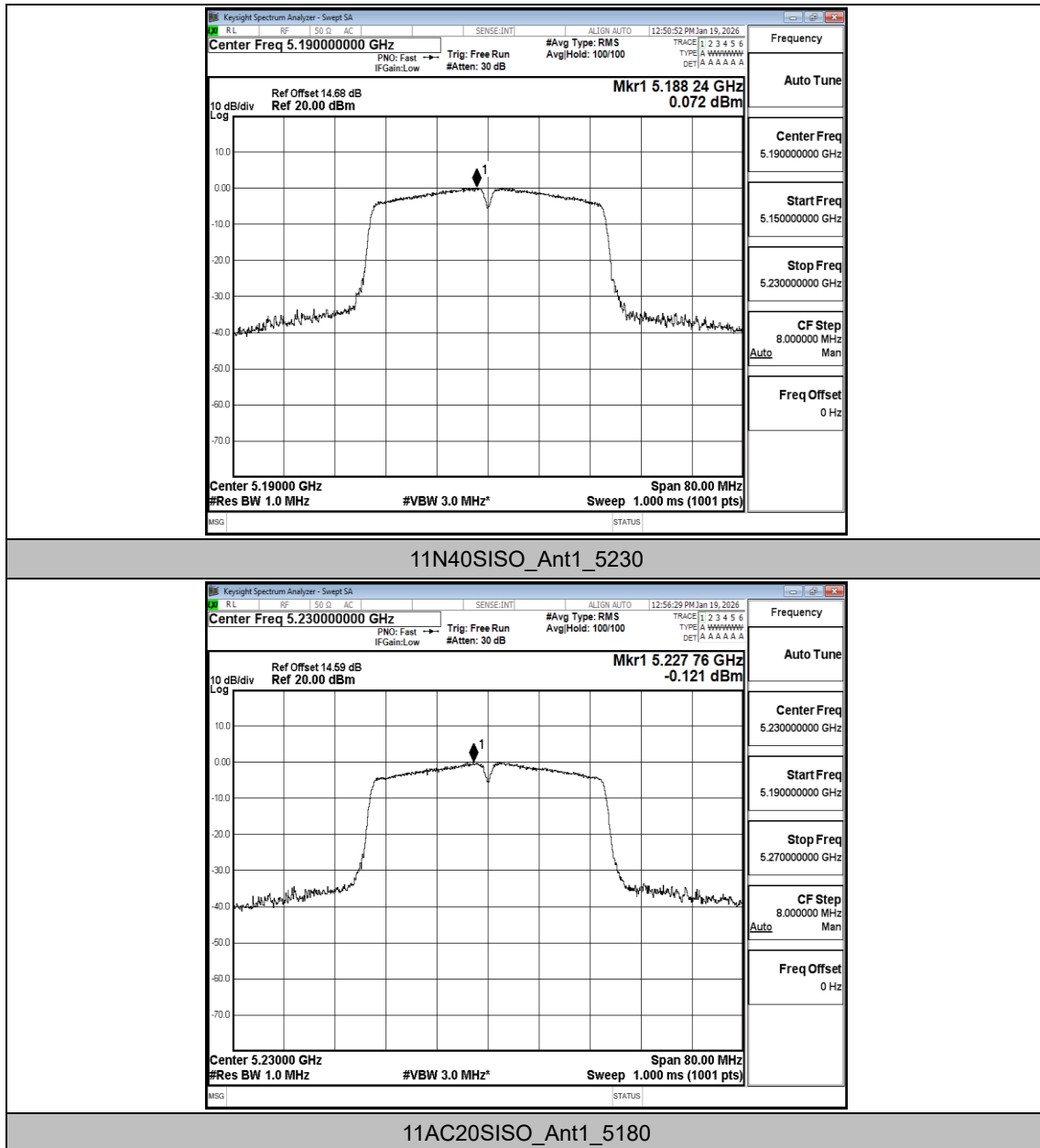
Test Result

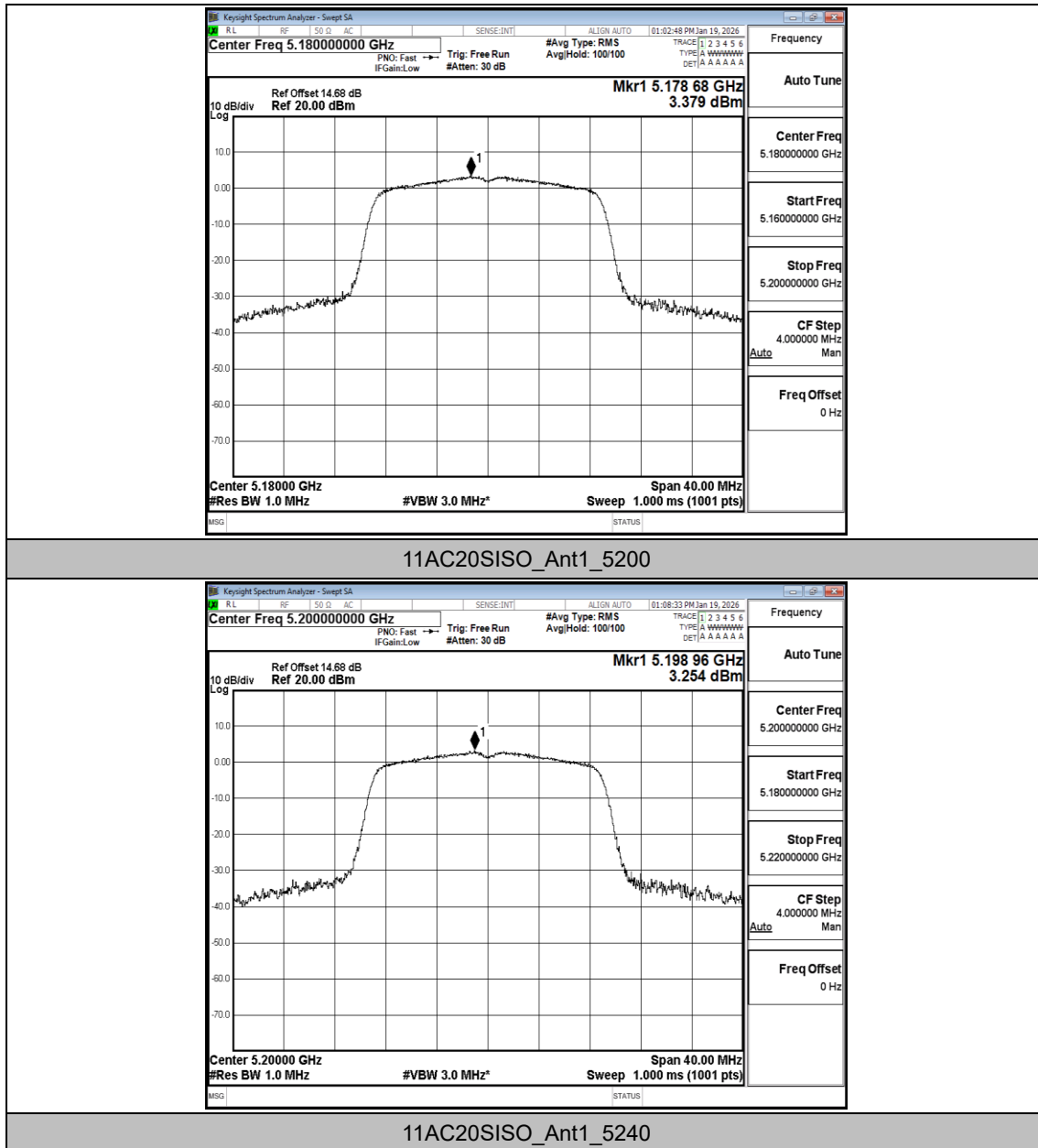
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	RBW Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.6	0.12	0.00	3.72	≤11.00	PASS
		5200	3.17	0.12	0.00	3.29	≤11.00	PASS
		5240	3.11	0.09	0.00	3.20	≤11.00	PASS
11N20SISO	Ant1	5180	3.23	0.13	0.00	3.36	≤11.00	PASS
		5200	3.01	0.10	0.00	3.11	≤11.00	PASS
		5240	3.05	0.10	0.00	3.15	≤11.00	PASS
11N40SISO	Ant1	5190	0.07	0.20	0.00	0.27	≤11.00	PASS
		5230	-0.12	0.20	0.00	0.08	≤11.00	PASS
11AC20SISO	Ant1	5180	3.38	0.13	0.00	3.51	≤11.00	PASS
		5200	3.25	0.10	0.00	3.35	≤11.00	PASS
		5240	3.13	0.10	0.00	3.23	≤11.00	PASS
11AC40SISO	Ant1	5190	0.42	0.20	0.00	0.62	≤11.00	PASS
		5230	0	0.26	0.00	0.26	≤11.00	PASS
11AC80SISO	Ant1	5210	-2.65	0.38	0.00	-2.27	≤11.00	PASS

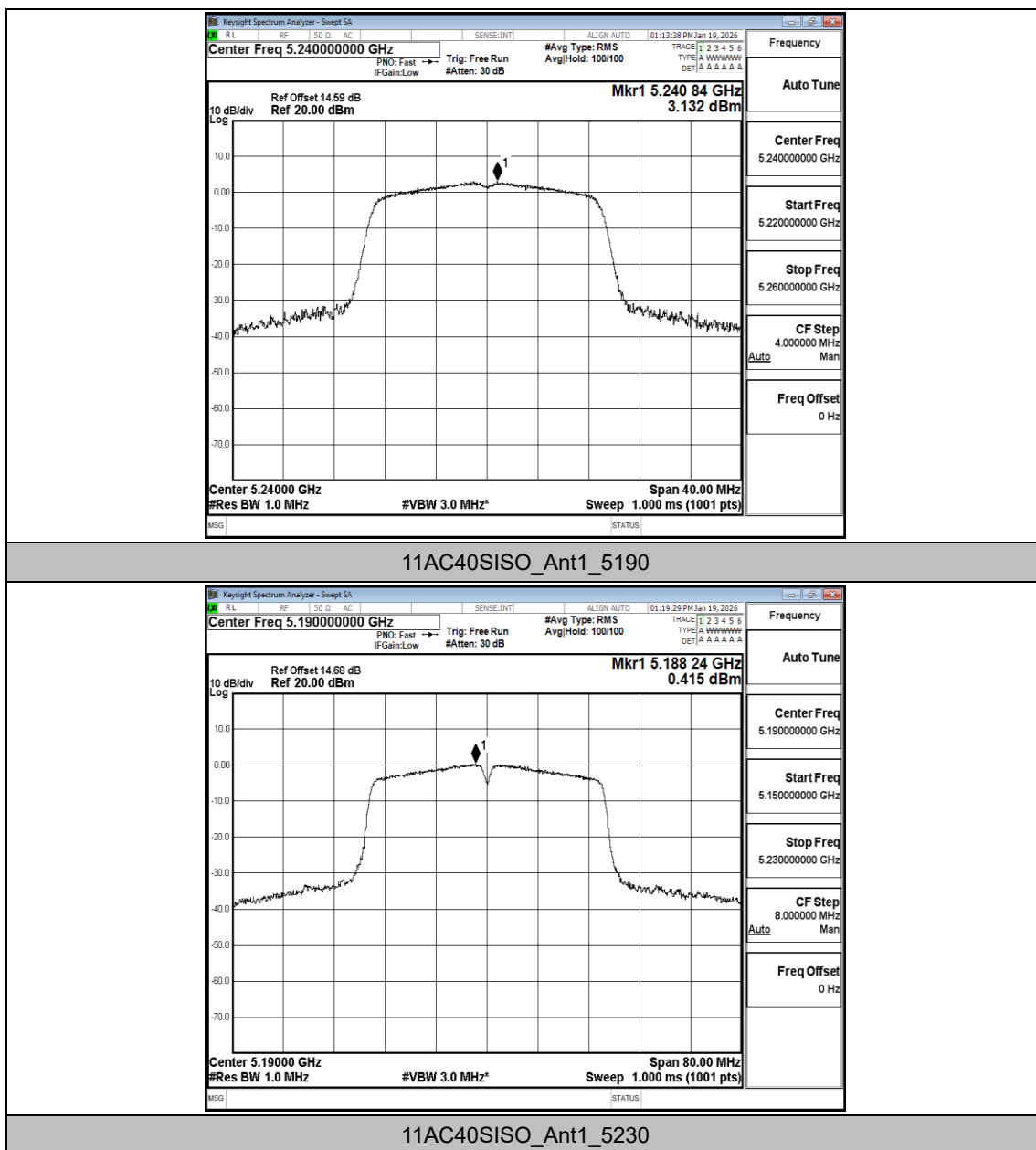
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

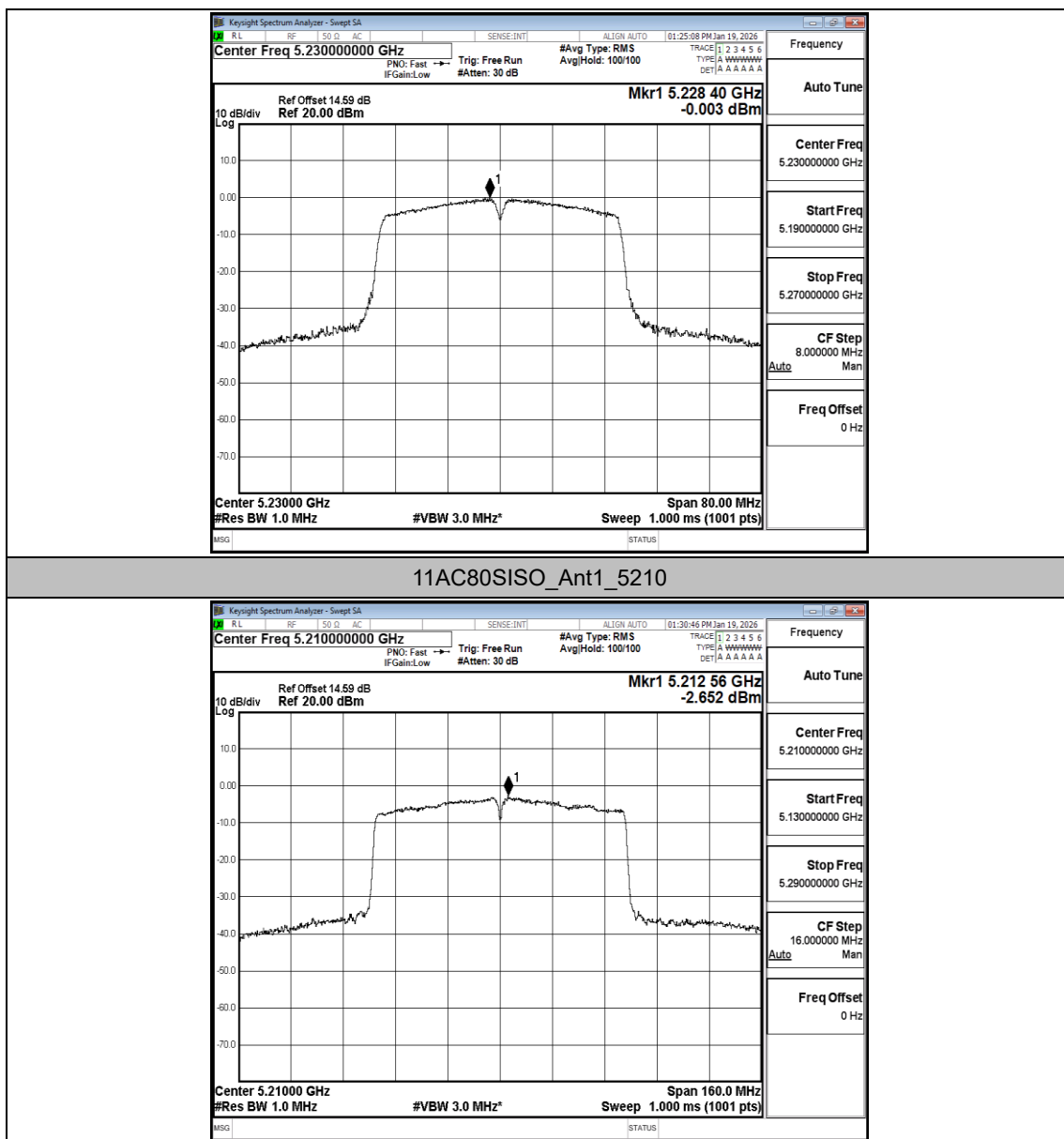












D.4 Emissions in Restricted Bands

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	-66.76	≤-44.00	2.68	0.12	31.44	≤54	PASS
				AV	5149.600	-47.46	≤-44.00	2.68	0.12	50.74	≤54	PASS
				AV	5150.000	-46.65	≤-44.00	2.68	0.12	51.55	≤54	PASS
				Peak	4500.000	-59.15	≤-23.88	2.68	0.00	38.93	≤68.2	PASS
				Peak	5146.100	-31.59	≤-23.88	2.68	0.00	66.49	≤68.2	PASS
				Peak	5150.000	-31.2	≤-23.88	2.68	0.00	66.88	≤68.2	PASS
		High	5240	AV	5350.000	-59.91	≤-43.97	2.68	0.09	38.26	≤54	PASS
				AV	5352.240	-59.08	≤-43.97	2.68	0.09	39.09	≤54	PASS
				AV	5460.000	-63.46	≤-43.97	2.68	0.09	34.71	≤54	PASS
				Peak	5350.000	-50.83	≤-23.88	2.68	0.00	47.25	≤68.2	PASS
				Peak	5358.480	-49.4	≤-23.88	2.68	0.00	48.68	≤68.2	PASS
				Peak	5460.000	-55.13	≤-23.88	2.68	0.00	42.95	≤68.2	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-66.56	≤-44.01	2.68	0.13	31.65	≤54	PASS
				AV	5149.600	-48.08	≤-44.01	2.68	0.13	50.13	≤54	PASS
				AV	5150.000	-48.28	≤-44.01	2.68	0.13	49.93	≤54	PASS
				Peak	4500.000	-59.47	≤-23.88	2.68	0.00	38.61	≤68.2	PASS
				Peak	5149.600	-34.22	≤-23.88	2.68	0.00	63.86	≤68.2	PASS
				Peak	5150.000	-33.65	≤-23.88	2.68	0.00	64.43	≤68.2	PASS
		High	5240	AV	5350.000	-59.94	≤-43.98	2.68	0.10	38.24	≤54	PASS
				AV	5350.560	-59.14	≤-43.98	2.68	0.10	39.04	≤54	PASS
				AV	5460.000	-63.38	≤-43.98	2.68	0.10	34.8	≤54	PASS
				Peak	5350.000	-51.27	≤-23.88	2.68	0.00	46.81	≤68.2	PASS
				Peak	5371.440	-49.77	≤-23.88	2.68	0.00	48.31	≤68.2	PASS
				Peak	5460.000	-54.27	≤-23.88	2.68	0.00	43.81	≤68.2	PASS
11N40SISO	Ant1	Low	5190	AV	4500.000	-66.13	≤-44.08	2.68	0.20	32.15	≤54	PASS
				AV	5148.200	-50.1	≤-44.08	2.68	0.20	48.18	≤54	PASS
				AV	5150.000	-47.36	≤-44.08	2.68	0.20	50.92	≤54	PASS
				Peak	4500.000	-57.87	≤-23.88	2.68	0.00	40.21	≤68.2	PASS
				Peak	5149.600	-29.87	≤-23.88	2.68	0.00	68.21	≤68.2	PASS
				Peak	5150.000	-33.47	≤-23.88	2.68	0.00	64.61	≤68.2	PASS
		High	5230	AV	5350.000	-58.69	≤-44.08	2.68	0.20	39.59	≤54	PASS
				AV	5353.400	-58.66	≤-44.08	2.68	0.20	39.62	≤54	PASS
				AV	5460.000	-62.76	≤-44.08	2.68	0.20	35.52	≤54	PASS
				Peak	5350.000	-50.24	≤-23.88	2.68	0.00	47.84	≤68.2	PASS

				Peak	5352.880	-46.29	≤-23.88	2.68	0.00	51.79	≤68.2	PASS
				Peak	5460.000	-54.12	≤-23.88	2.68	0.00	43.96	≤68.2	PASS
11AC20SISO	Ant1	Low	5180	AV	4500.000	-66.54	≤-44.01	2.68	0.13	31.67	≤54	PASS
				AV	5149.600	-45.67	≤-44.01	2.68	0.13	52.54	≤54	PASS
				AV	5150.000	-46.08	≤-44.01	2.68	0.13	52.13	≤54	PASS
				Peak	4500.000	-57.79	≤-23.88	2.68	0.00	40.29	≤68.2	PASS
				Peak	5148.900	-31.64	≤-23.88	2.68	0.00	66.44	≤68.2	PASS
				Peak	5150.000	-32.95	≤-23.88	2.68	0.00	65.13	≤68.2	PASS
		High	5240	AV	5350.000	-59.51	≤-43.98	2.68	0.10	38.67	≤54	PASS
				AV	5352.240	-58.97	≤-43.98	2.68	0.10	39.21	≤54	PASS
				AV	5460.000	-63.07	≤-43.98	2.68	0.10	35.11	≤54	PASS
				Peak	5350.000	-51.49	≤-23.88	2.68	0.00	46.59	≤68.2	PASS
				Peak	5358.960	-47.79	≤-23.88	2.68	0.00	50.29	≤68.2	PASS
				Peak	5460.000	-54.64	≤-23.88	2.68	0.00	43.44	≤68.2	PASS
11AC40SISO	Ant1	Low	5190	AV	4500.000	-67.21	≤-43.88	2.68	0.00	30.87	≤54	PASS
				AV	5071.200	-62.27	≤-43.88	2.68	0.00	35.81	≤54	PASS
				AV	5150.000	-64.61	≤-43.88	2.68	0.00	33.47	≤54	PASS
				Peak	4500.000	-57.87	≤-23.88	2.68	0.00	40.21	≤68.2	PASS
				Peak	4696.700	-54.43	≤-23.88	2.68	0.00	43.65	≤68.2	PASS
				Peak	5150.000	-61.92	≤-23.88	2.68	0.00	36.16	≤68.2	PASS
		High	5230	AV	5350.000	-58.86	≤-44.14	2.68	0.26	39.48	≤54	PASS
				AV	5350.280	-58.74	≤-44.14	2.68	0.26	39.6	≤54	PASS
				AV	5460.000	-62.99	≤-44.14	2.68	0.26	35.35	≤54	PASS
				Peak	5350.000	-50.28	≤-23.88	2.68	0.00	47.8	≤68.2	PASS
				Peak	5356.000	-47.26	≤-23.88	2.68	0.00	50.82	≤68.2	PASS
				Peak	5460.000	-54.17	≤-23.88	2.68	0.00	43.91	≤68.2	PASS
11AC80SISO	Ant1	Low	5210	AV	4500.000	-66.82	≤-44.39	2.68	0.51	31.77	≤54	PASS
				AV	5149.500	-46.89	≤-44.39	2.68	0.51	51.7	≤54	PASS
				AV	5150.000	-47.64	≤-44.39	2.68	0.51	50.95	≤54	PASS
				Peak	4500.000	-57.26	≤-23.88	2.68	0.00	40.82	≤68.2	PASS
				Peak	5148.750	-31.91	≤-23.88	2.68	0.00	66.17	≤68.2	PASS
				Peak	5150.000	-31.66	≤-23.88	2.68	0.00	66.42	≤68.2	PASS
		High	5210	AV	5350.000	-50.53	≤-44.26	2.68	0.38	47.93	≤54	PASS
				AV	5350.520	-49.92	≤-44.26	2.68	0.38	48.54	≤54	PASS
				AV	5460.000	-62.59	≤-44.26	2.68	0.38	35.87	≤54	PASS
				Peak	5350.000	-35.82	≤-23.88	2.68	0.00	62.26	≤68.2	PASS
				Peak	5353.040	-38.26	≤-23.88	2.68	0.00	59.82	≤68.2	PASS
				Peak	5460.000	-52.67	≤-23.88	2.68	0.00	45.41	≤68.2	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

