

Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Tablet

Test Model: MegaPad

Environmental Conditions

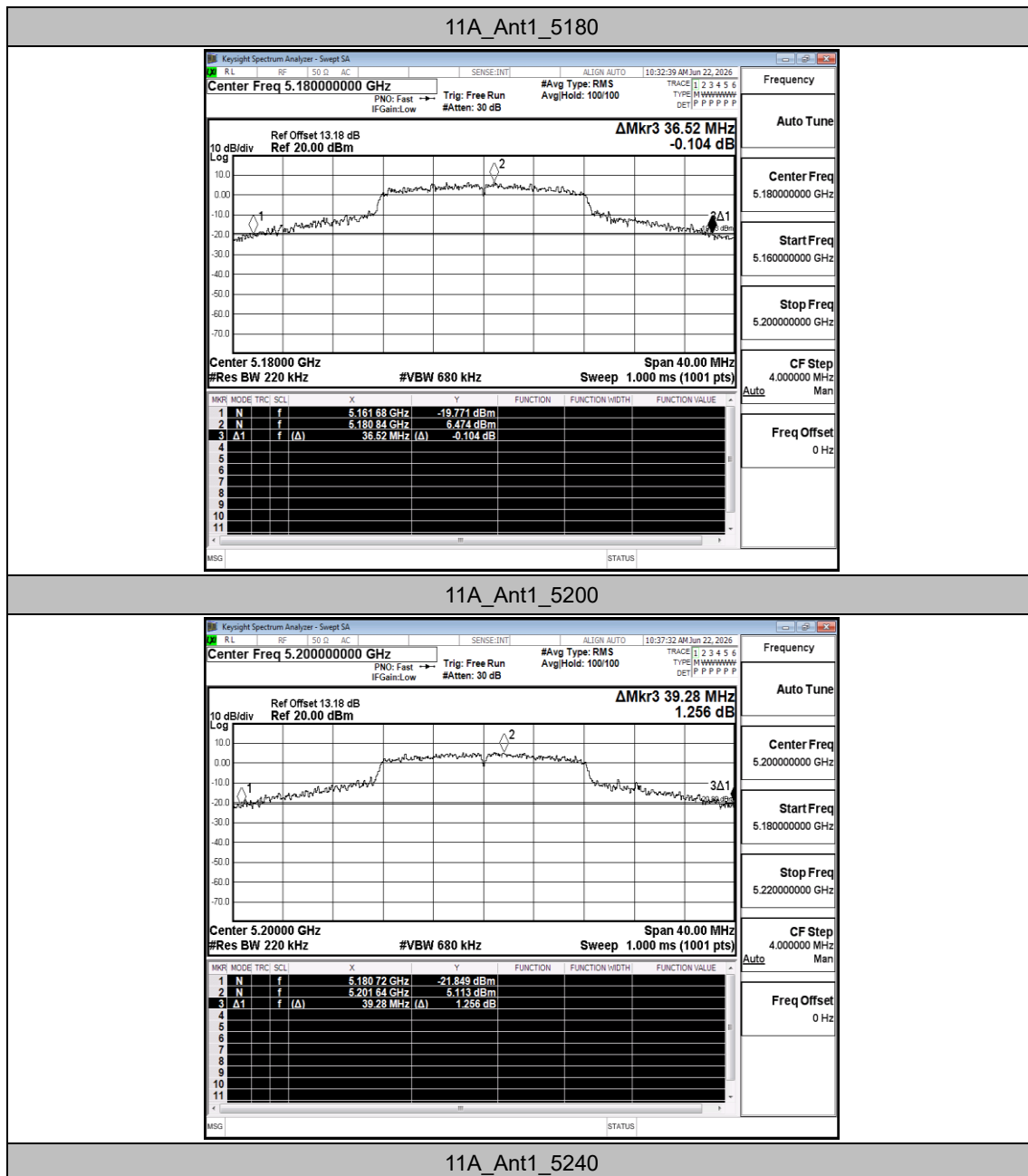
Temperature:	24.1°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

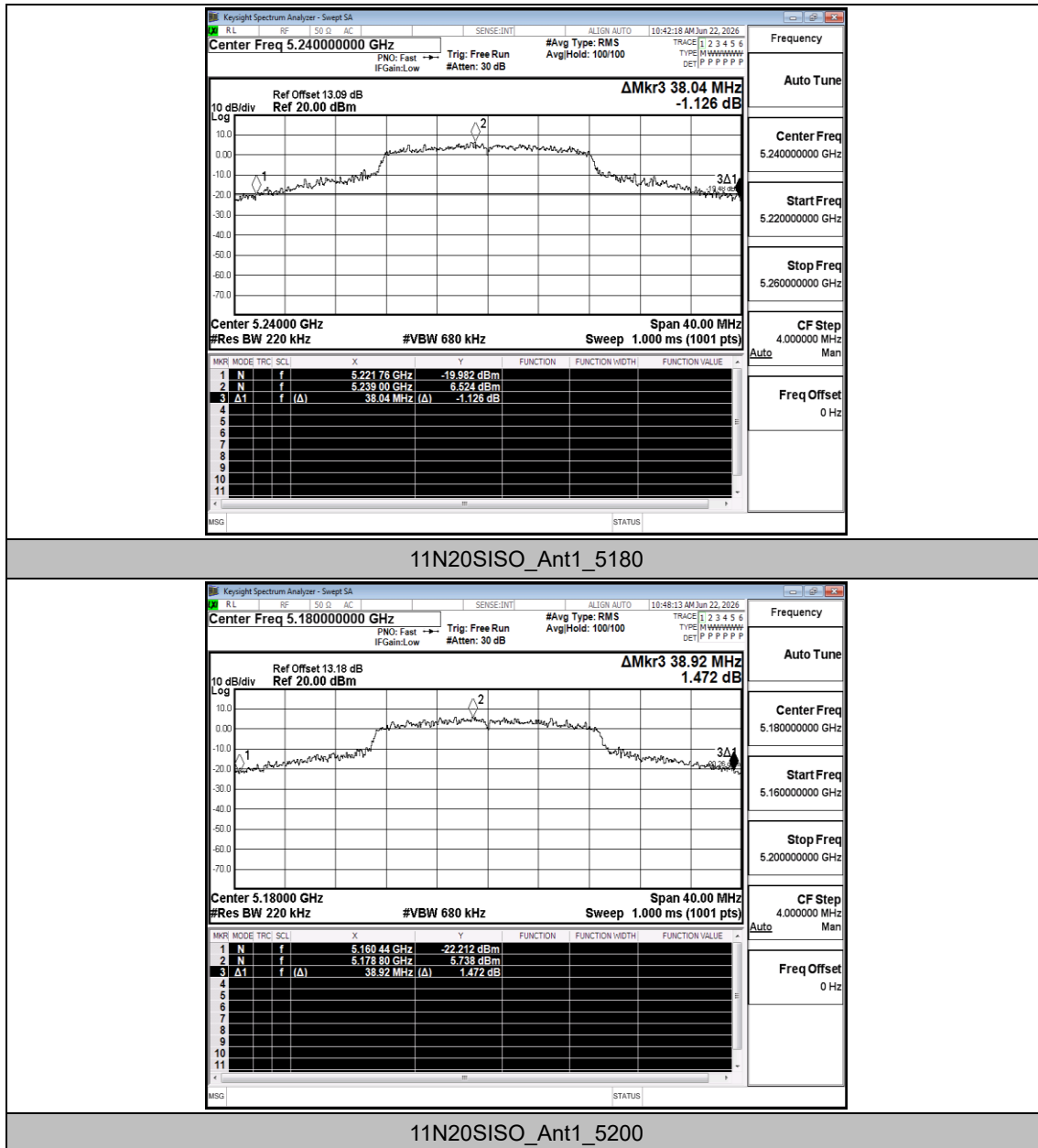
D.1 Emission Bandwidth

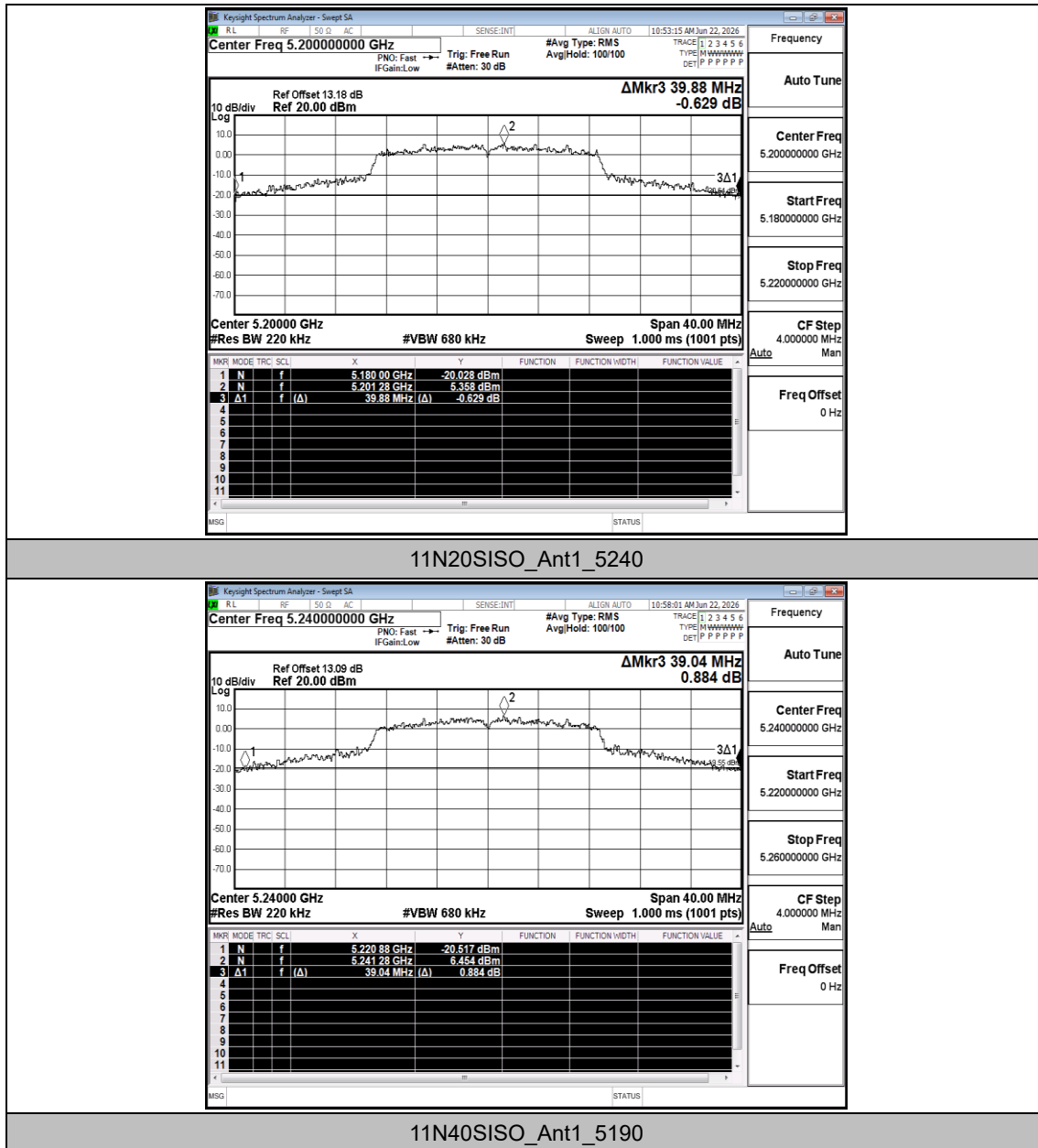
Test Result

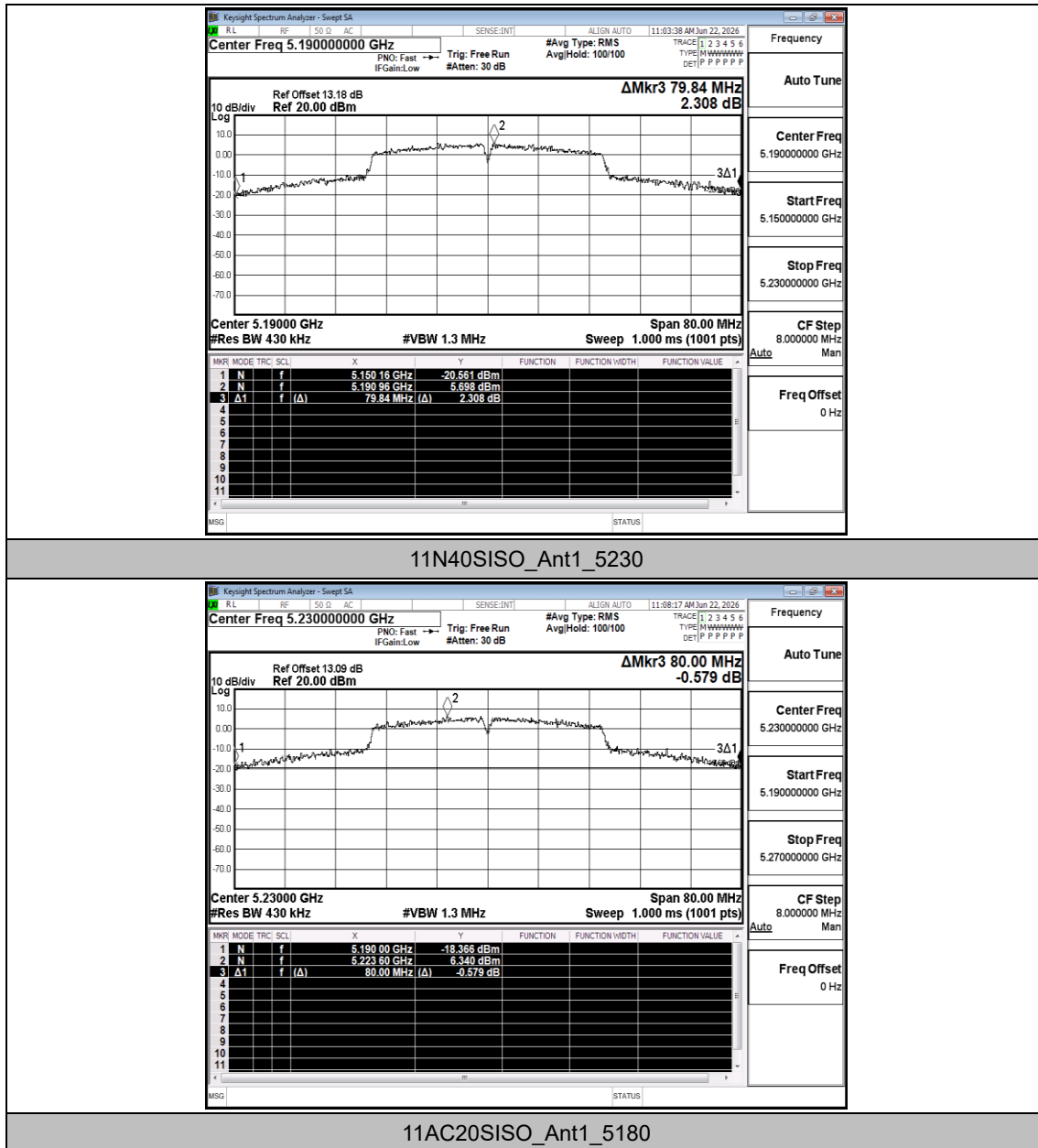
TestMode	Antenna	Freq (MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	36.520	5161.680	5198.200	---	---
		5200	39.280	5180.720	5220.000	---	---
		5240	38.040	5221.760	5259.800	---	---
11N20SISO	Ant1	5180	38.920	5160.440	5199.360	---	---
		5200	39.880	5180.000	5219.880	---	---
		5240	39.040	5220.880	5259.920	---	---
11N40SISO	Ant1	5190	79.840	5150.160	5230.000	---	---
		5230	80.000	5190.000	5270.000	---	---
11AC20SISO	Ant1	5180	38.000	5160.920	5198.920	---	---
		5200	37.800	5181.040	5218.840	---	---
		5240	39.680	5220.120	5259.800	---	---
11AC40SISO	Ant1	5190	79.920	5150.080	5230.000	---	---
		5230	79.760	5190.160	5269.920	---	---
11AC80SISO	Ant1	5210	160.000	5130.000	5290.000	---	---

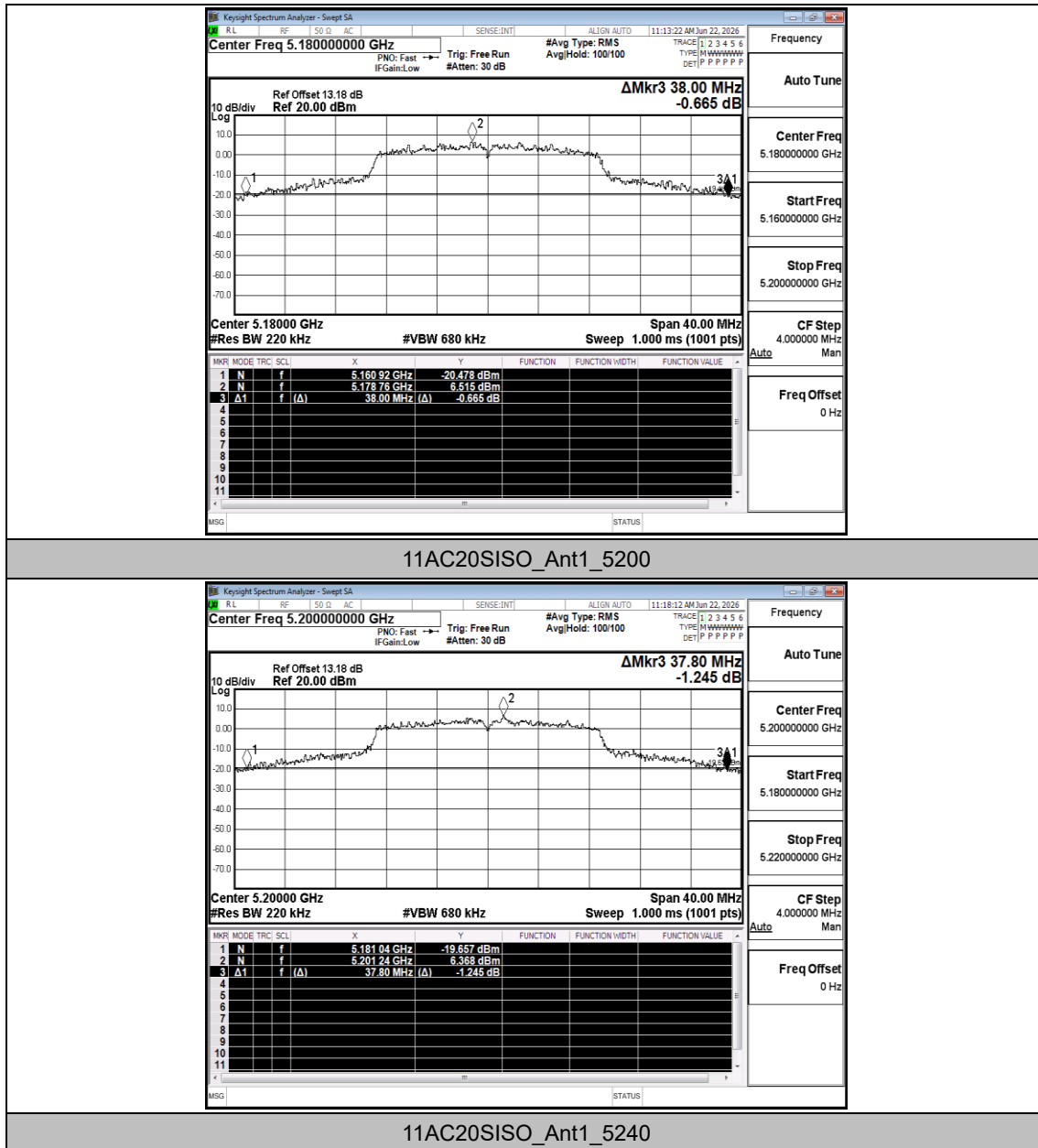
Test Graphs

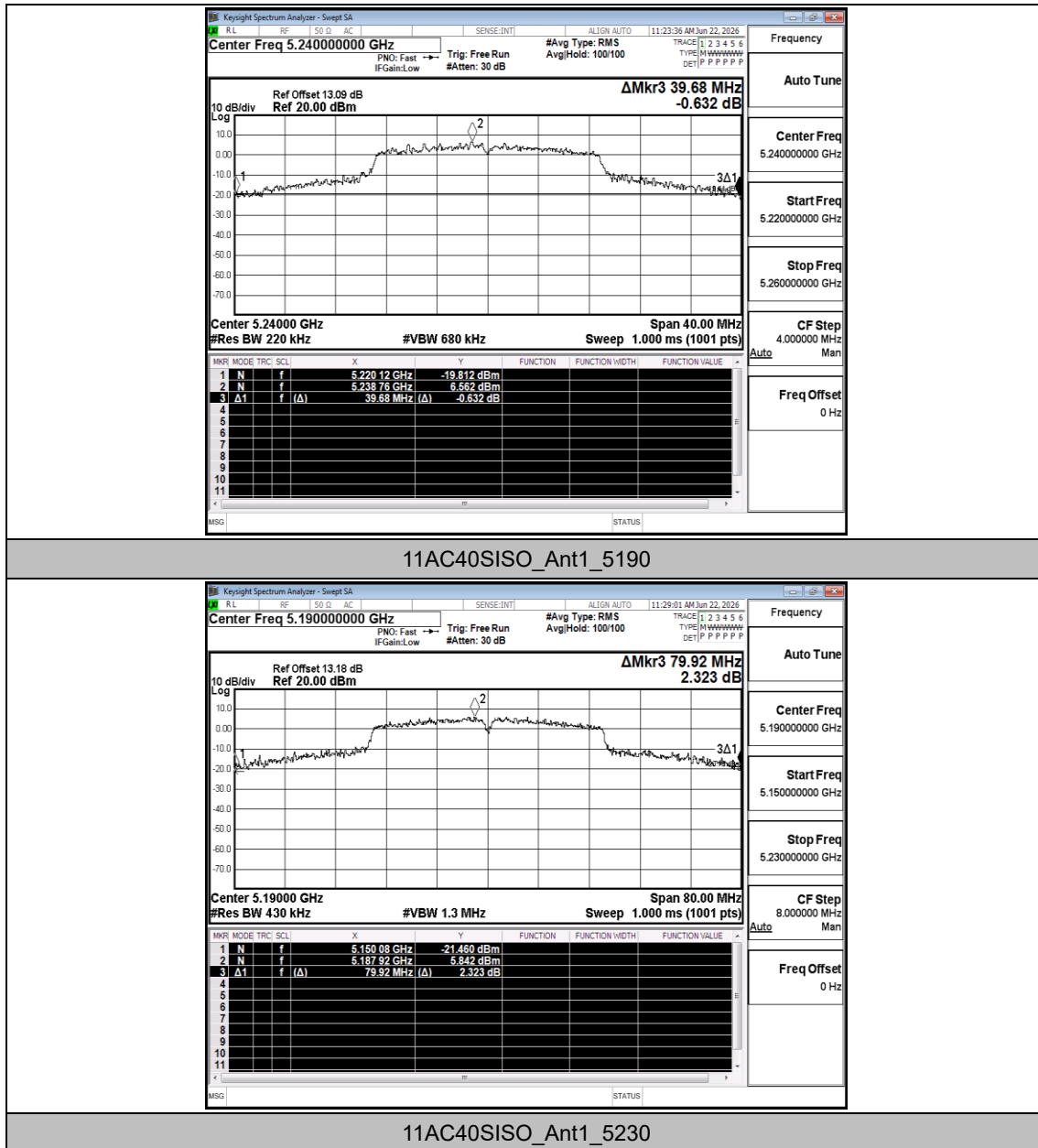


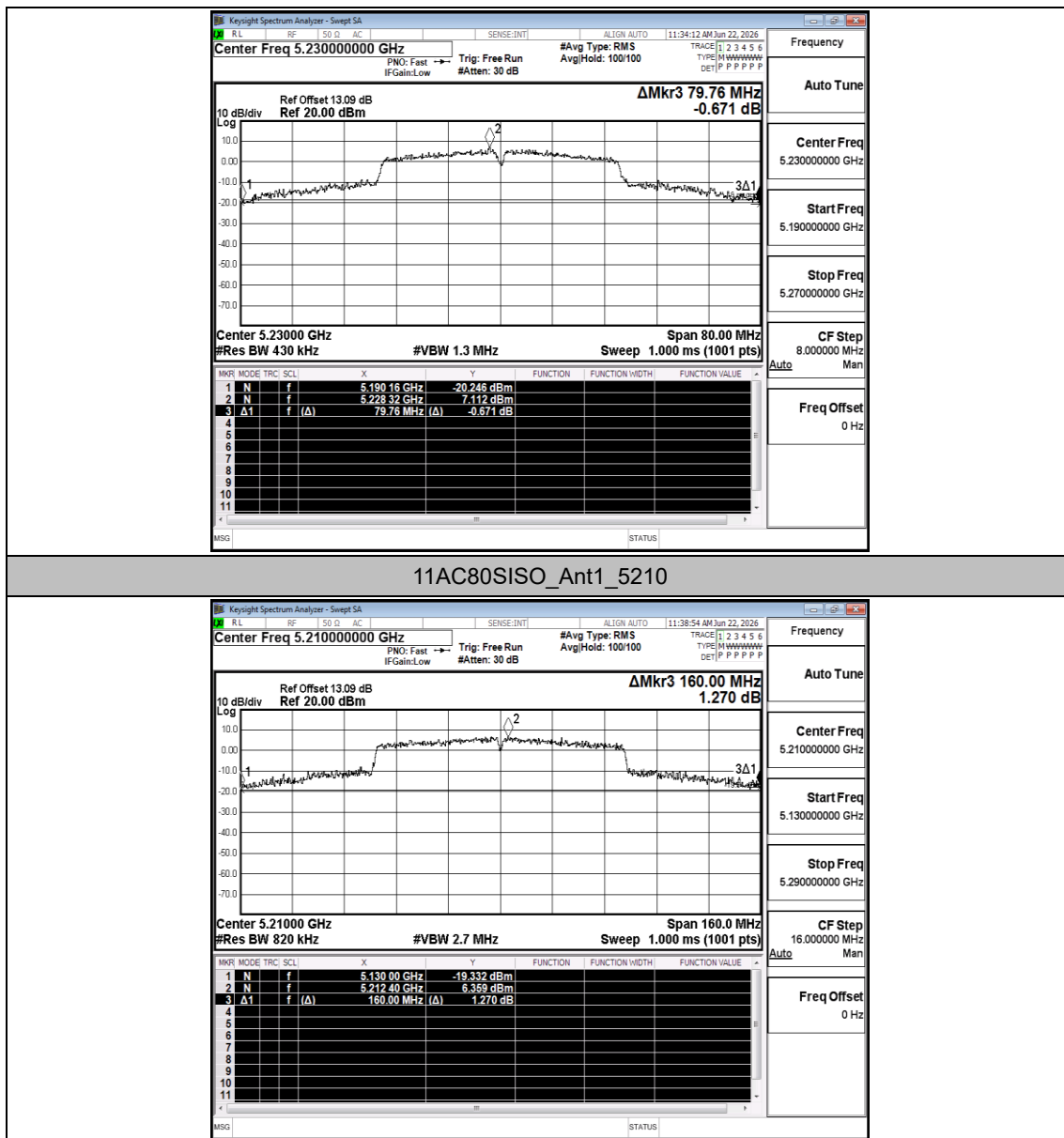












D.2 Maximum conducted output power

Test Result Channel Power

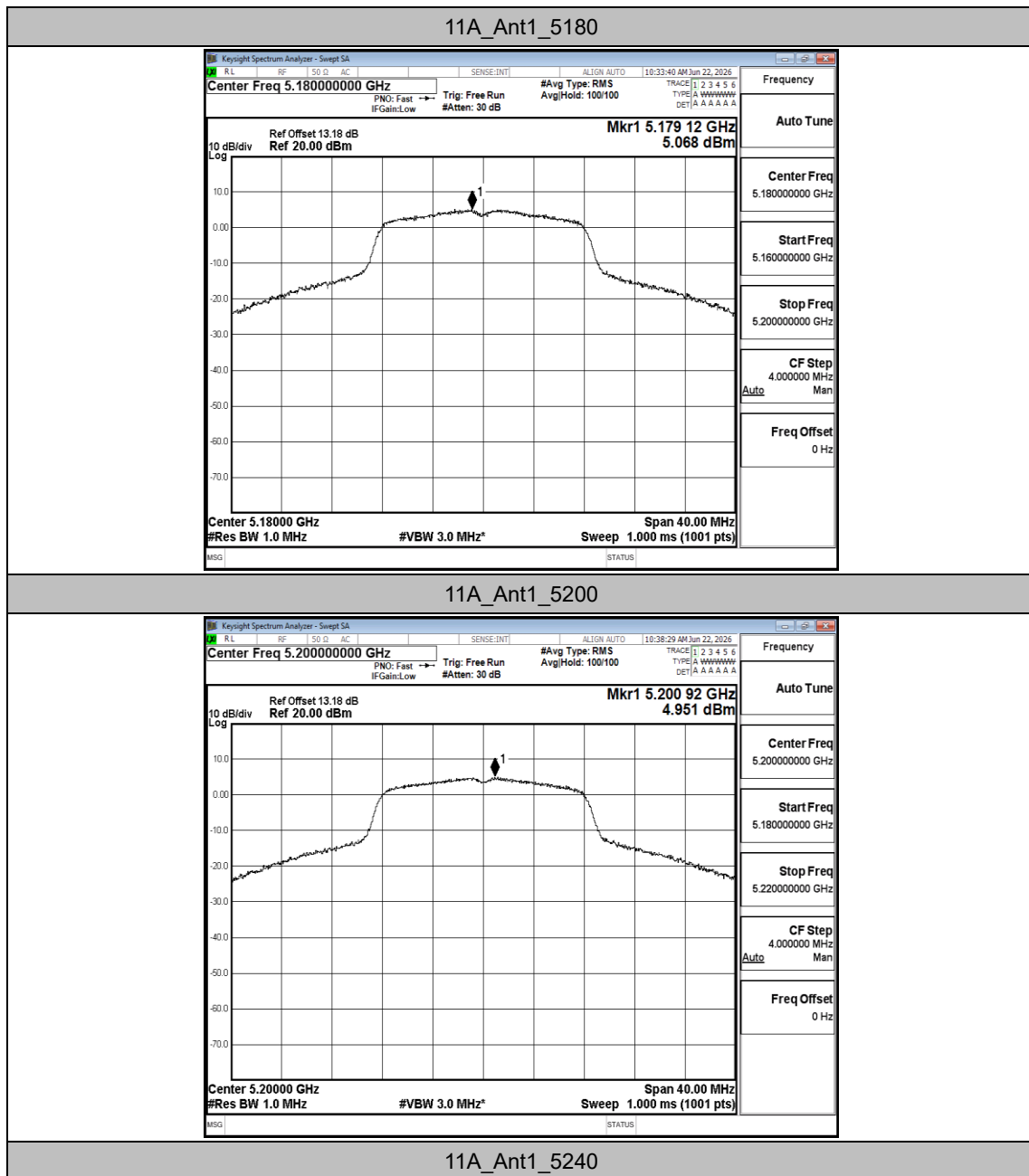
Test Mode	Antenna	Freq (MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	NA	16.35	0.15	16.50	≤23.98	PASS
		5200	NA	16.03	0.15	16.18	≤23.98	PASS
		5240	NA	16.08	0.12	16.20	≤23.98	PASS
11N20SISO	Ant1	5180	NA	16.25	0.16	16.41	≤23.98	PASS
		5200	NA	16.12	0.16	16.28	≤23.98	PASS
		5240	NA	16.14	0.13	16.27	≤23.98	PASS
11N40SISO	Ant1	5190	NA	16.44	0.26	16.70	≤23.98	PASS
		5230	NA	16.33	0.26	16.59	≤23.98	PASS
11AC20SISO	Ant1	5180	NA	16.26	0.13	16.39	≤23.98	PASS
		5200	NA	16.06	0.16	16.22	≤23.98	PASS
		5240	NA	16.19	0.16	16.35	≤23.98	PASS
11AC40SISO	Ant1	5190	NA	16.41	0.26	16.67	≤23.98	PASS
		5230	NA	16.34	0.26	16.60	≤23.98	PASS
11AC80SISO	Ant1	5210	NA	15.97	0.50	16.47	≤23.98	PASS

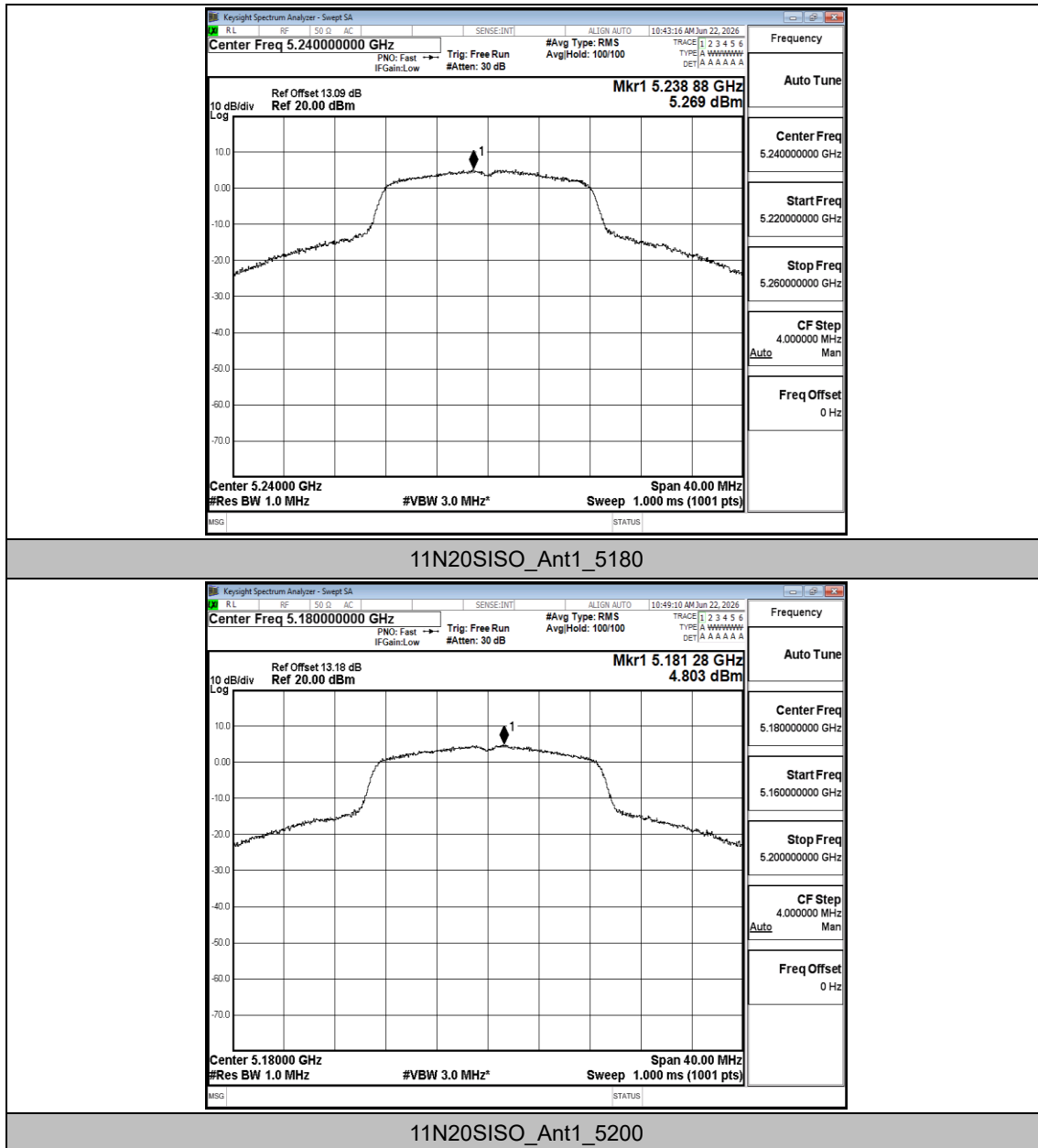
D.3 Maximum power spectral density

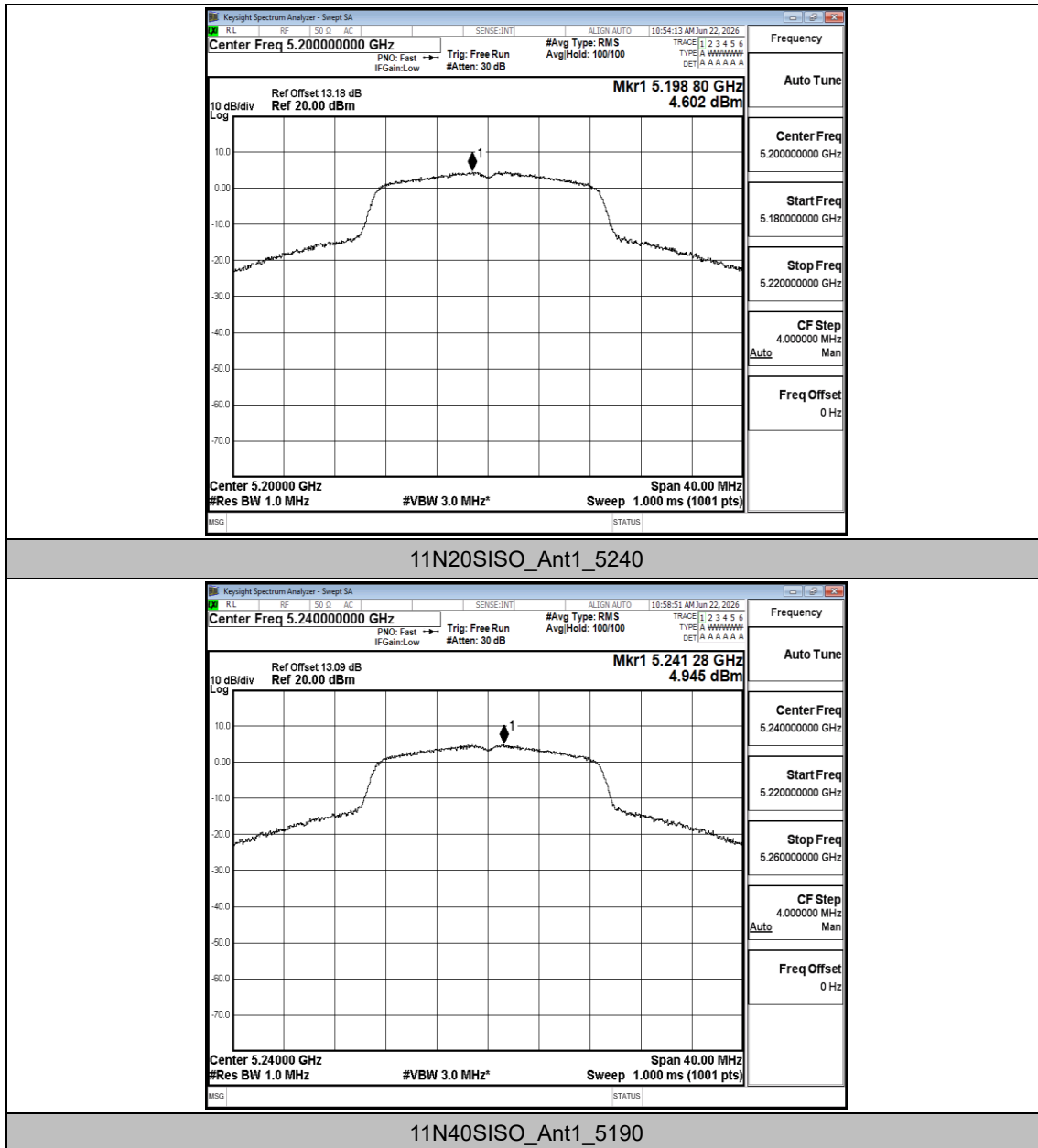
Test Result

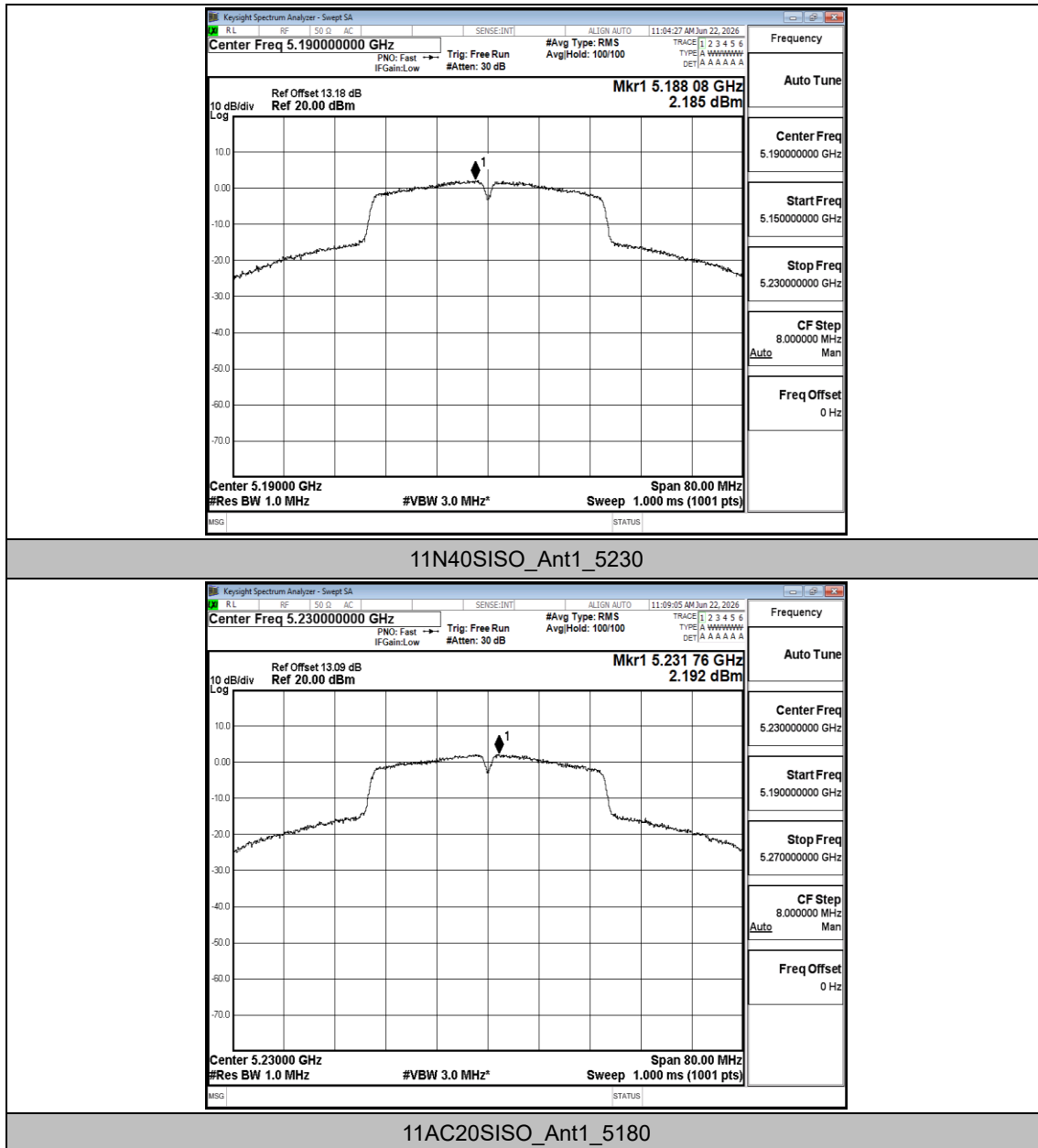
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	5.07	0.15	5.22	≤11.00	PASS
		5200	4.95	0.15	5.10	≤11.00	PASS
		5240	5.27	0.12	5.39	≤11.00	PASS
11N20SISO	Ant1	5180	4.8	0.16	4.96	≤11.00	PASS
		5200	4.6	0.16	4.76	≤11.00	PASS
		5240	4.95	0.13	5.08	≤11.00	PASS
11N40SISO	Ant1	5190	2.19	0.26	2.45	≤11.00	PASS
		5230	2.19	0.26	2.45	≤11.00	PASS
11AC20SISO	Ant1	5180	4.95	0.13	5.08	≤11.00	PASS
		5200	4.76	0.16	4.92	≤11.00	PASS
		5240	5.06	0.16	5.22	≤11.00	PASS
11AC40SISO	Ant1	5190	2.42	0.26	2.68	≤11.00	PASS
		5230	2.26	0.26	2.52	≤11.00	PASS
11AC80SISO	Ant1	5210	-0.83	0.50	-0.33	≤11.00	PASS

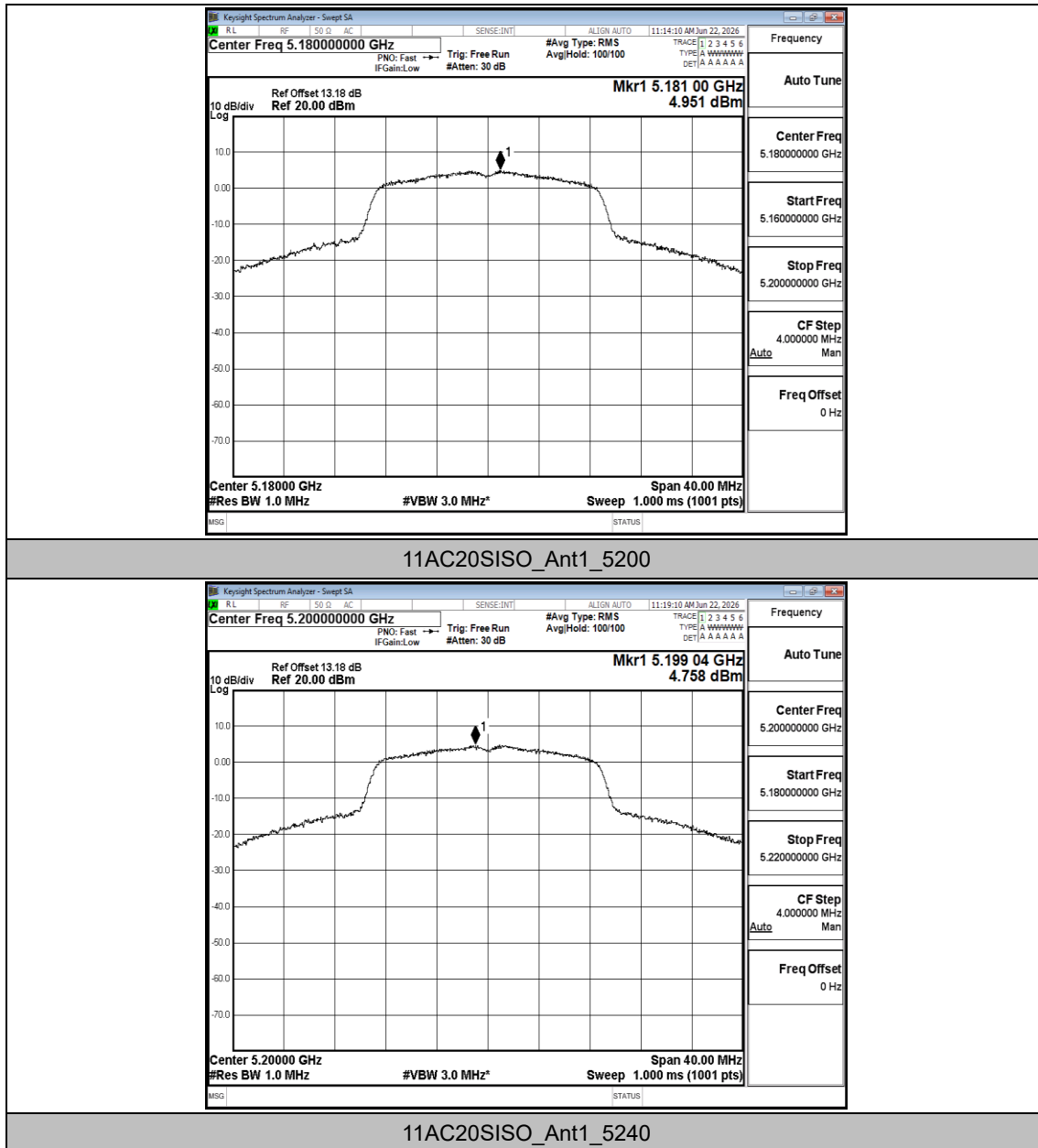
Test Graphs

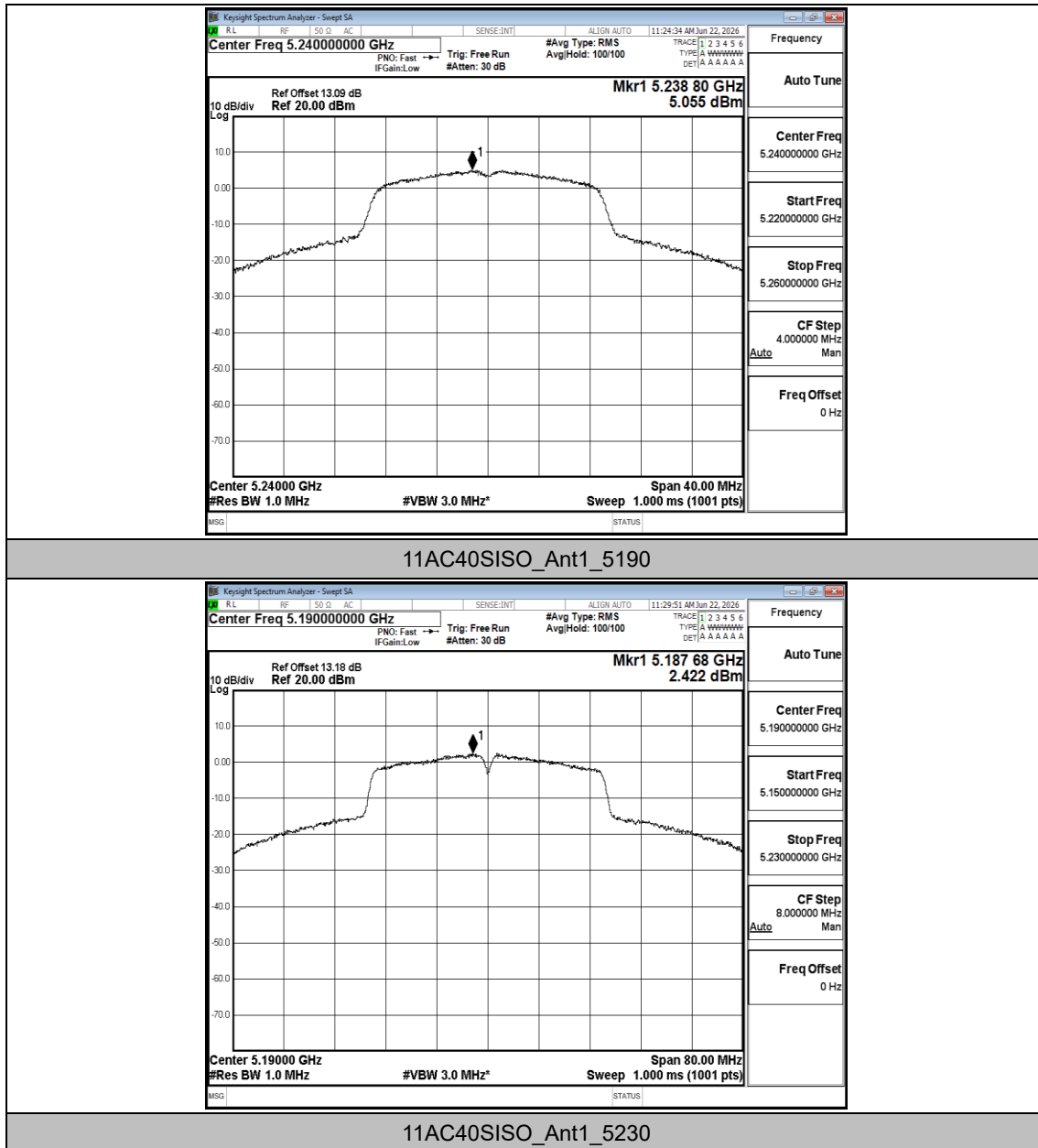


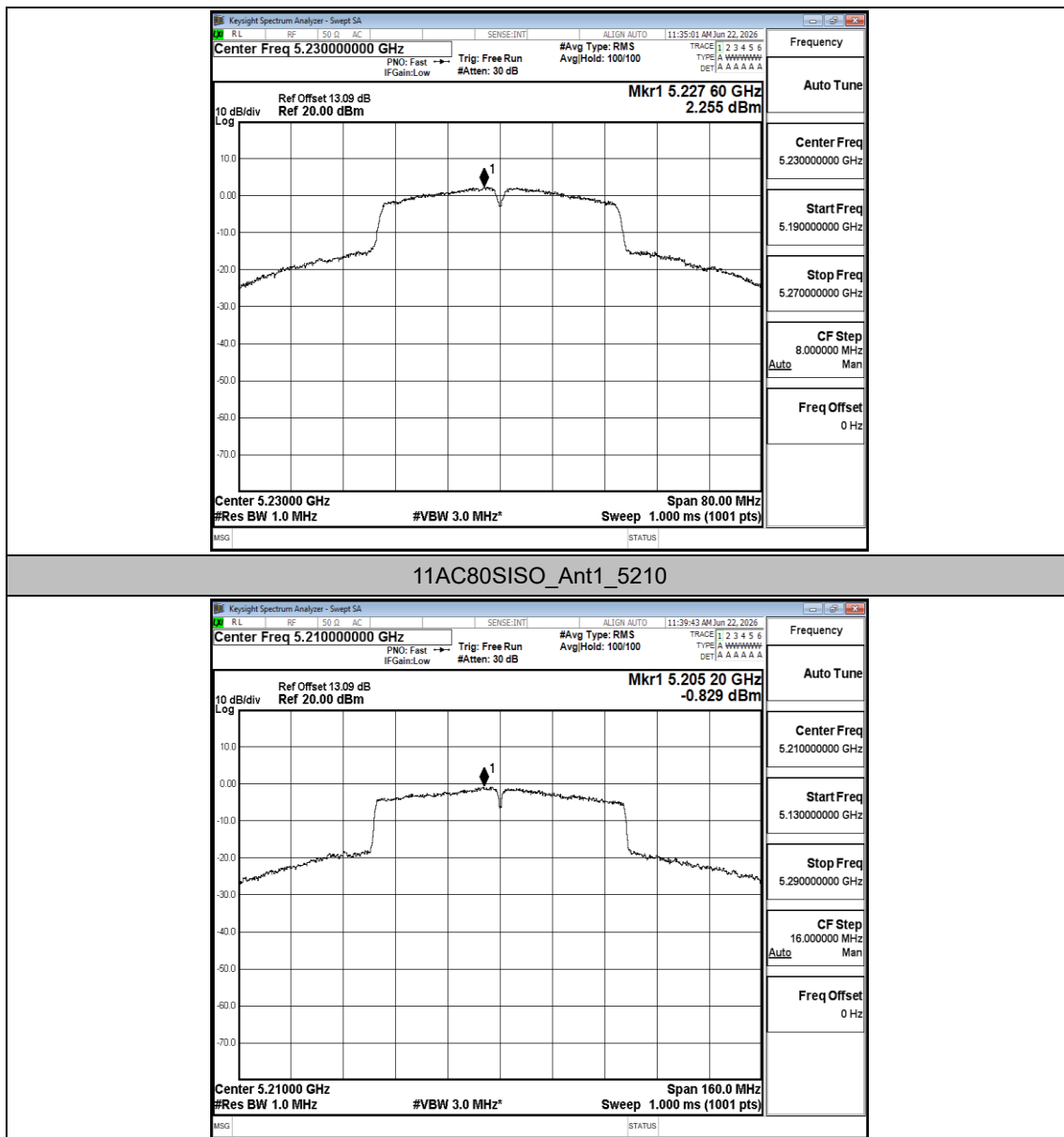












D.4 Emissions in Restricted Bands

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	-58.2	≤-43.35	2.00	0.15	39.15	≤54	PASS
				AV	5149.600	-45.76	≤-43.35	2.00	0.15	51.59	≤54	PASS
				AV	5150.000	-45.98	≤-43.35	2.00	0.15	51.37	≤54	PASS
				Peak	4500.000	-50.54	≤-29.00	2.00	0.00	46.66	≤68.2	PASS
				Peak	5145.400	-33.55	≤-29.00	2.00	0.00	63.65	≤68.2	PASS
				Peak	5150.000	-32.06	≤-29.00	2.00	0.00	65.14	≤68.2	PASS
		High	5240	AV	5350.000	-55.3	≤-43.32	2.00	0.12	42.02	≤54	PASS
				AV	5355.360	-54.92	≤-43.32	2.00	0.12	42.40	≤54	PASS
				AV	5460.000	-57.4	≤-43.32	2.00	0.12	39.92	≤54	PASS
				Peak	5350.000	-49.38	≤-29.00	2.00	0.00	47.82	≤68.2	PASS
				Peak	5400.240	-45.68	≤-29.00	2.00	0.00	51.52	≤68.2	PASS
				Peak	5460.000	-48.87	≤-29.00	2.00	0.00	48.33	≤68.2	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-57.9	≤-43.36	2.00	0.16	39.46	≤54	PASS
				AV	5149.600	-45	≤-43.36	2.00	0.16	52.36	≤54	PASS
				AV	5150.000	-43.74	≤-43.36	2.00	0.16	53.62	≤54	PASS
				Peak	4500.000	-48.92	≤-29.00	2.00	0.00	48.28	≤68.2	PASS
				Peak	5148.900	-30.82	≤-29.00	2.00	0.00	66.38	≤68.2	PASS
				Peak	5150.000	-35.4	≤-29.00	2.00	0.00	61.80	≤68.2	PASS
		High	5240	AV	5350.000	-55.54	≤-43.33	2.00	0.13	41.79	≤54	PASS
				AV	5352.240	-55.08	≤-43.33	2.00	0.13	42.25	≤54	PASS
				AV	5460.000	-57.08	≤-43.33	2.00	0.13	40.25	≤54	PASS
				Peak	5350.000	-48.21	≤-29.00	2.00	0.00	48.99	≤68.2	PASS
				Peak	5370.720	-45.52	≤-29.00	2.00	0.00	51.68	≤68.2	PASS
				Peak	5460.000	-48.83	≤-29.00	2.00	0.00	48.37	≤68.2	PASS
11N40SISO	Ant1	Low	5190	AV	4500.000	-57.65	≤-43.46	2.00	0.26	39.81	≤54	PASS
				AV	5149.600	-48.26	≤-43.46	2.00	0.26	49.20	≤54	PASS
				AV	5150.000	-47.79	≤-43.46	2.00	0.26	49.67	≤54	PASS
				Peak	4500.000	-49.58	≤-29.00	2.00	0.00	47.62	≤68.2	PASS
				Peak	5149.600	-31.97	≤-29.00	2.00	0.00	65.23	≤68.2	PASS
				Peak	5150.000	-29.73	≤-29.00	2.00	0.00	67.47	≤68.2	PASS
		High	5230	AV	5350.000	-51.37	≤-43.46	2.00	0.26	46.09	≤54	PASS
				AV	5354.440	-50.72	≤-43.46	2.00	0.26	46.74	≤54	PASS
				AV	5460.000	-56.87	≤-43.46	2.00	0.26	40.59	≤54	PASS
				Peak	5350.000	-39.28	≤-29.00	2.00	0.00	57.92	≤68.2	PASS

				Peak	5356.520	-36.09	≤-29.00	2.00	0.00	61.11	≤68.2	PASS
				Peak	5460.000	-48.41	≤-29.00	2.00	0.00	48.79	≤68.2	PASS
11AC20SISO	Ant1	Low	5180	AV	4500.000	-57.64	≤-43.33	2.00	0.13	39.69	≤54	PASS
				AV	5148.900	-44.71	≤-43.33	2.00	0.13	52.62	≤54	PASS
				AV	5150.000	-43.96	≤-43.33	2.00	0.13	53.37	≤54	PASS
				Peak	4500.000	-50.22	≤-29.00	2.00	0.00	46.98	≤68.2	PASS
				Peak	5149.600	-32.42	≤-29.00	2.00	0.00	64.78	≤68.2	PASS
				Peak	5150.000	-34.86	≤-29.00	2.00	0.00	62.34	≤68.2	PASS
		High	5240	AV	5350.000	-55.66	≤-43.36	2.00	0.16	41.70	≤54	PASS
				AV	5353.200	-55.04	≤-43.36	2.00	0.16	42.32	≤54	PASS
				AV	5460.000	-57.21	≤-43.36	2.00	0.16	40.15	≤54	PASS
				Peak	5350.000	-47.22	≤-29.00	2.00	0.00	49.98	≤68.2	PASS
				Peak	5354.880	-45.7	≤-29.00	2.00	0.00	51.50	≤68.2	PASS
				Peak	5460.000	-50.09	≤-29.00	2.00	0.00	47.11	≤68.2	PASS
11AC40SISO	Ant1	Low	5190	AV	4500.000	-57.58	≤-43.46	2.00	0.26	39.88	≤54	PASS
				AV	5149.600	-47.77	≤-43.46	2.00	0.26	49.69	≤54	PASS
				AV	5150.000	-47.73	≤-43.46	2.00	0.26	49.73	≤54	PASS
				Peak	4500.000	-49.08	≤-29.00	2.00	0.00	48.12	≤68.2	PASS
				Peak	5144.700	-33.79	≤-29.00	2.00	0.00	63.41	≤68.2	PASS
				Peak	5150.000	-35.85	≤-29.00	2.00	0.00	61.35	≤68.2	PASS
		High	5230	AV	5350.000	-51.07	≤-43.46	2.00	0.26	46.39	≤54	PASS
				AV	5350.280	-50.59	≤-43.46	2.00	0.26	46.87	≤54	PASS
				AV	5460.000	-57.6	≤-43.46	2.00	0.26	39.86	≤54	PASS
				Peak	5350.000	-36.74	≤-29.00	2.00	0.00	60.46	≤68.2	PASS
				Peak	5357.040	-34.74	≤-29.00	2.00	0.00	62.46	≤68.2	PASS
				Peak	5460.000	-49.23	≤-29.00	2.00	0.00	47.97	≤68.2	PASS
11AC80SISO	Ant1	Low	5210	AV	4500.000	-57.89	≤-43.70	2.00	0.50	39.81	≤54	PASS
				AV	5148.750	-44.07	≤-43.70	2.00	0.50	53.63	≤54	PASS
				AV	5150.000	-43.99	≤-43.70	2.00	0.50	53.71	≤54	PASS
				Peak	4500.000	-48.48	≤-29.00	2.00	0.00	48.72	≤68.2	PASS
				Peak	5148.750	-30.91	≤-29.00	2.00	0.00	66.29	≤68.2	PASS
				Peak	5150.000	-32.22	≤-29.00	2.00	0.00	64.98	≤68.2	PASS
		High	5210	AV	5350.000	-55.97	≤-43.70	2.00	0.50	41.73	≤54	PASS
				AV	5354.720	-55.26	≤-43.70	2.00	0.50	42.44	≤54	PASS
				AV	5460.000	-57.29	≤-43.70	2.00	0.50	40.41	≤54	PASS
				Peak	5350.000	-47.64	≤-29.00	2.00	0.00	49.56	≤68.2	PASS
				Peak	5361.440	-42.94	≤-29.00	2.00	0.00	54.26	≤68.2	PASS
				Peak	5460.000	-49.78	≤-29.00	2.00	0.00	47.42	≤68.2	PASS

Note:

1. The Antenna Gain is compensated in the graph.

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Test Graphs

