

Appendix E

RF Test Data for 5.3GWIFI (Conducted Measurement)

Product Name: Smart Phone

Test Model: NOTE 18

Environmental Conditions

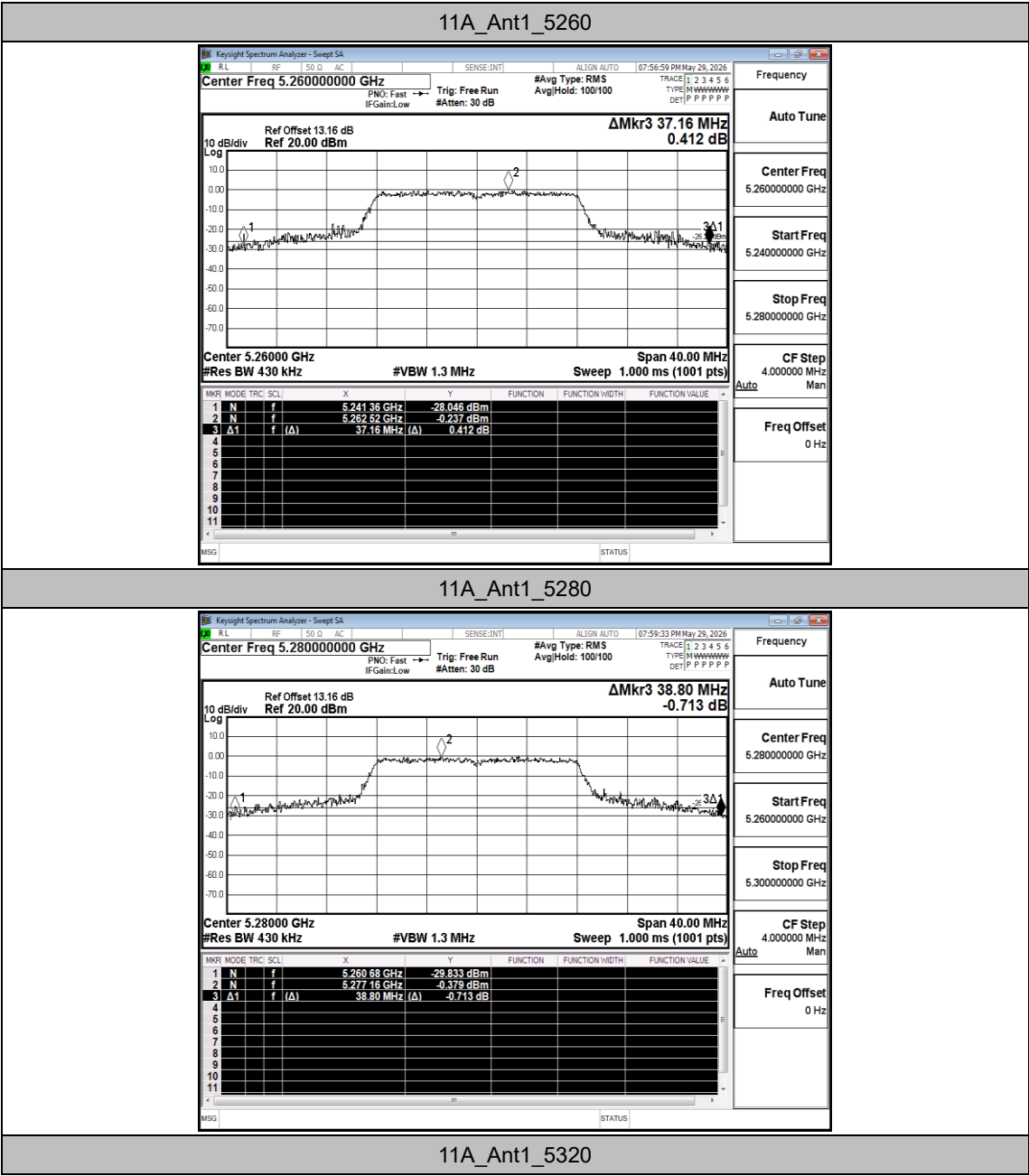
Temperature:	24.6°C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

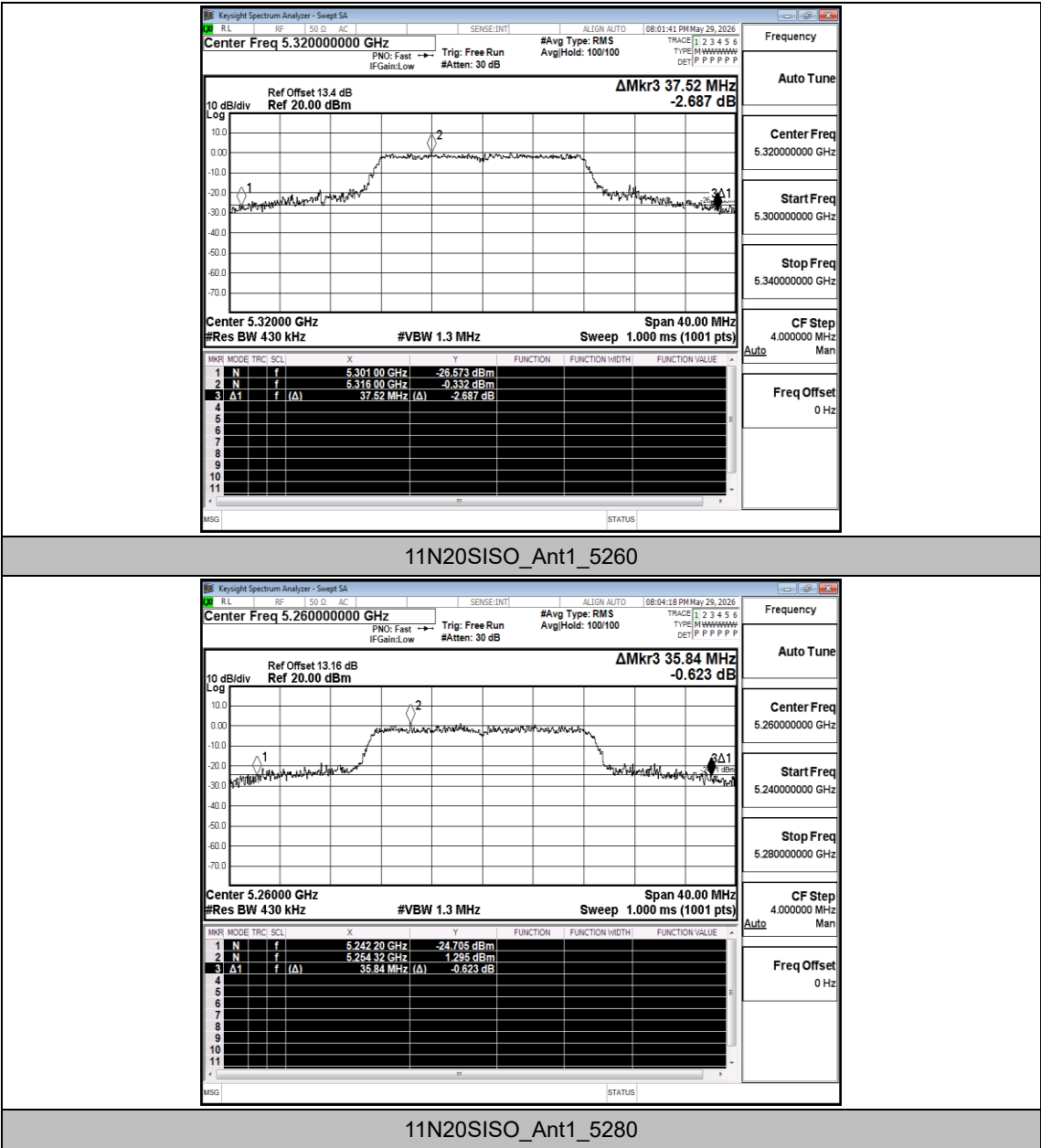
E.1 26dB Bandwidth

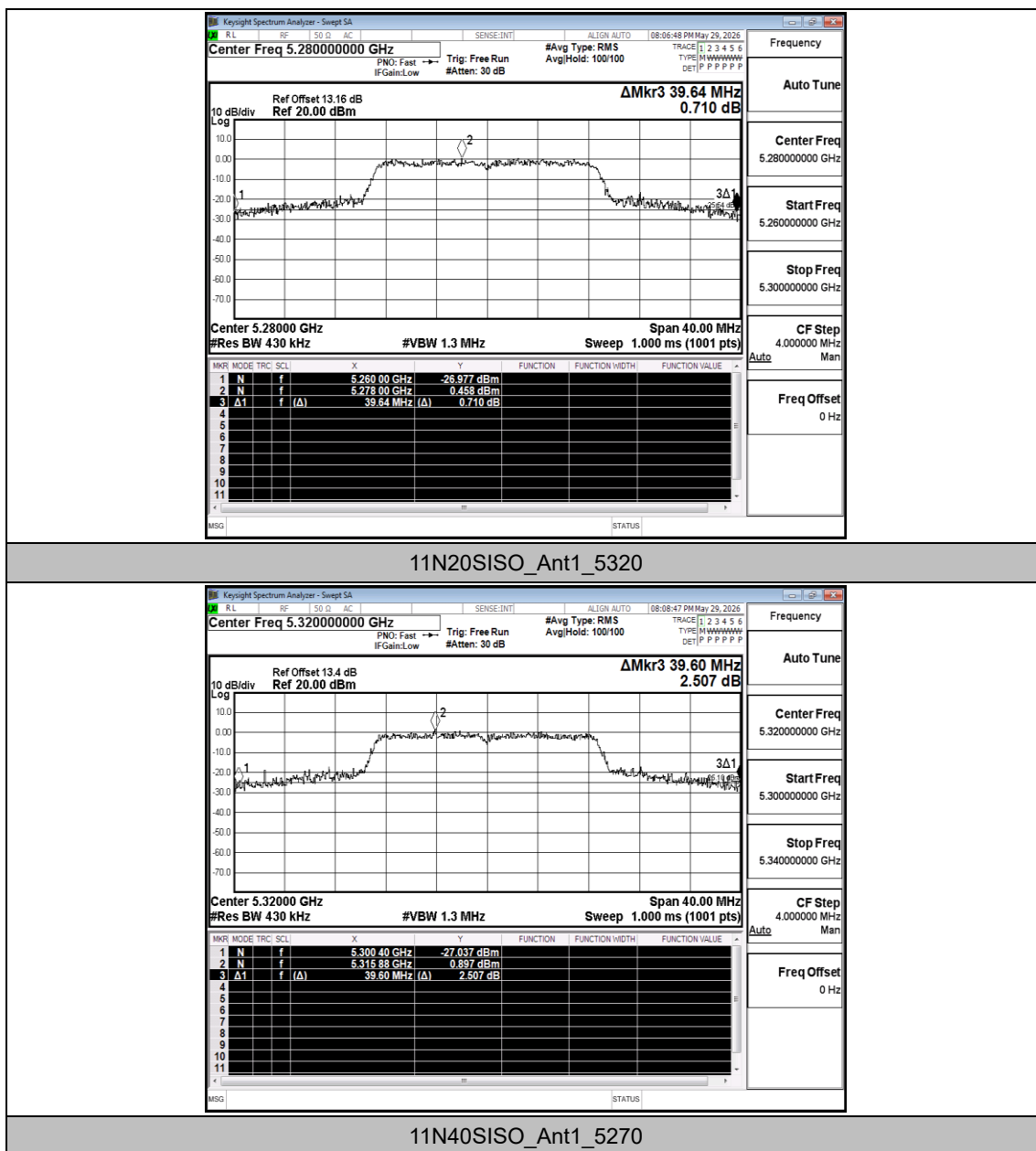
Test Result

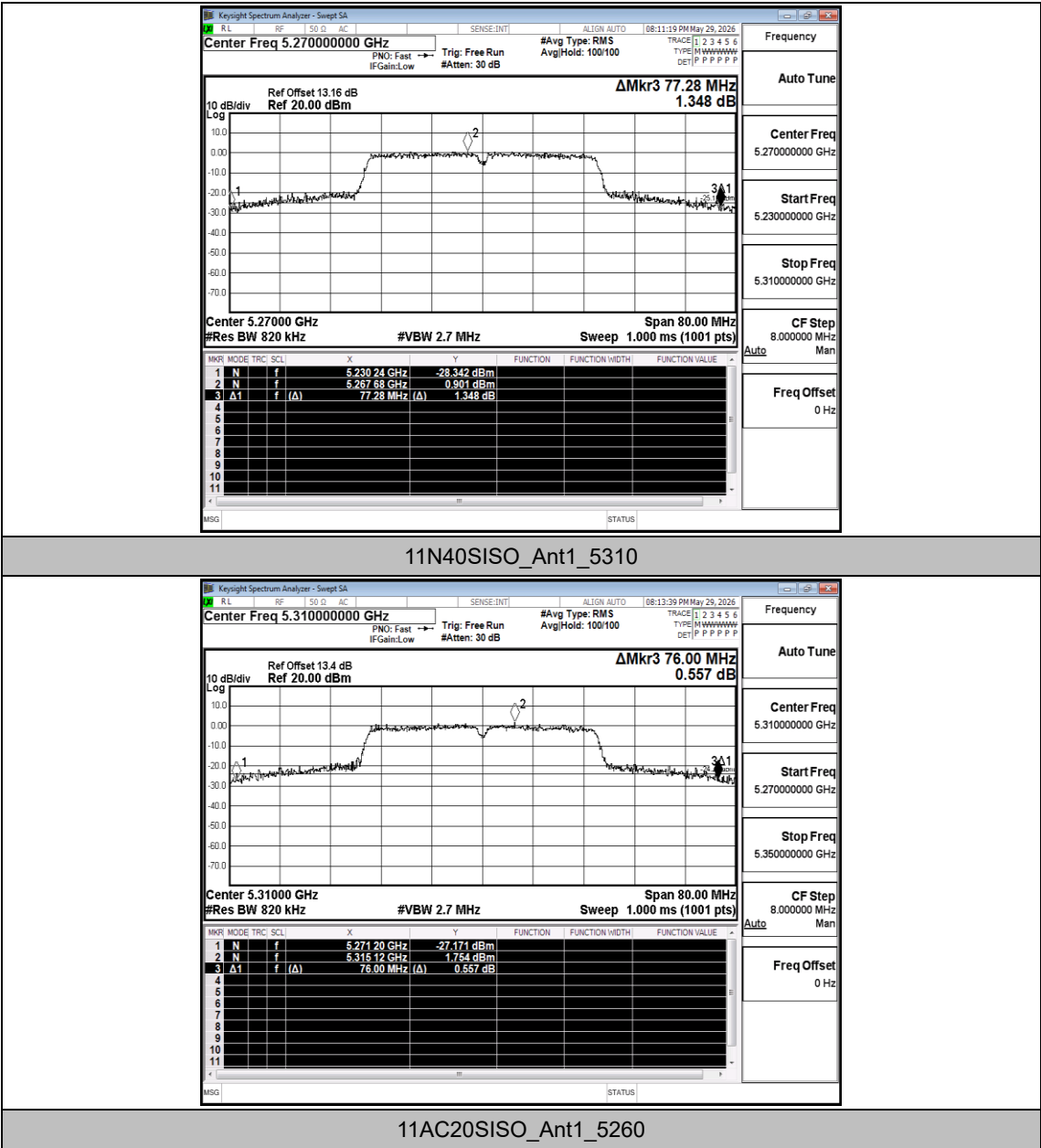
TestMode	Antenna	Freq (MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11A	Ant1	5260	37.160	5241.360	5278.520	---	---
		5280	38.800	5260.680	5299.480	---	---
		5320	37.520	5301.000	5338.520	---	---
11N20SISO	Ant1	5260	35.840	5242.200	5278.040	---	---
		5280	39.640	5260.000	5299.640	---	---
		5320	39.600	5300.400	5340.000	---	---
11N40SISO	Ant1	5270	77.280	5230.240	5307.520	---	---
		5310	76.000	5271.200	5347.200	---	---
11AC20SISO	Ant1	5260	38.680	5240.720	5279.400	---	---
		5280	38.360	5260.440	5298.800	---	---
		5320	39.480	5300.360	5339.840	---	---
11AC40SISO	Ant1	5270	78.240	5230.560	5308.800	---	---
		5310	77.760	5270.480	5348.240	---	---
11AC80SISO	Ant1	5290	158.400	5210.160	5368.560	---	---

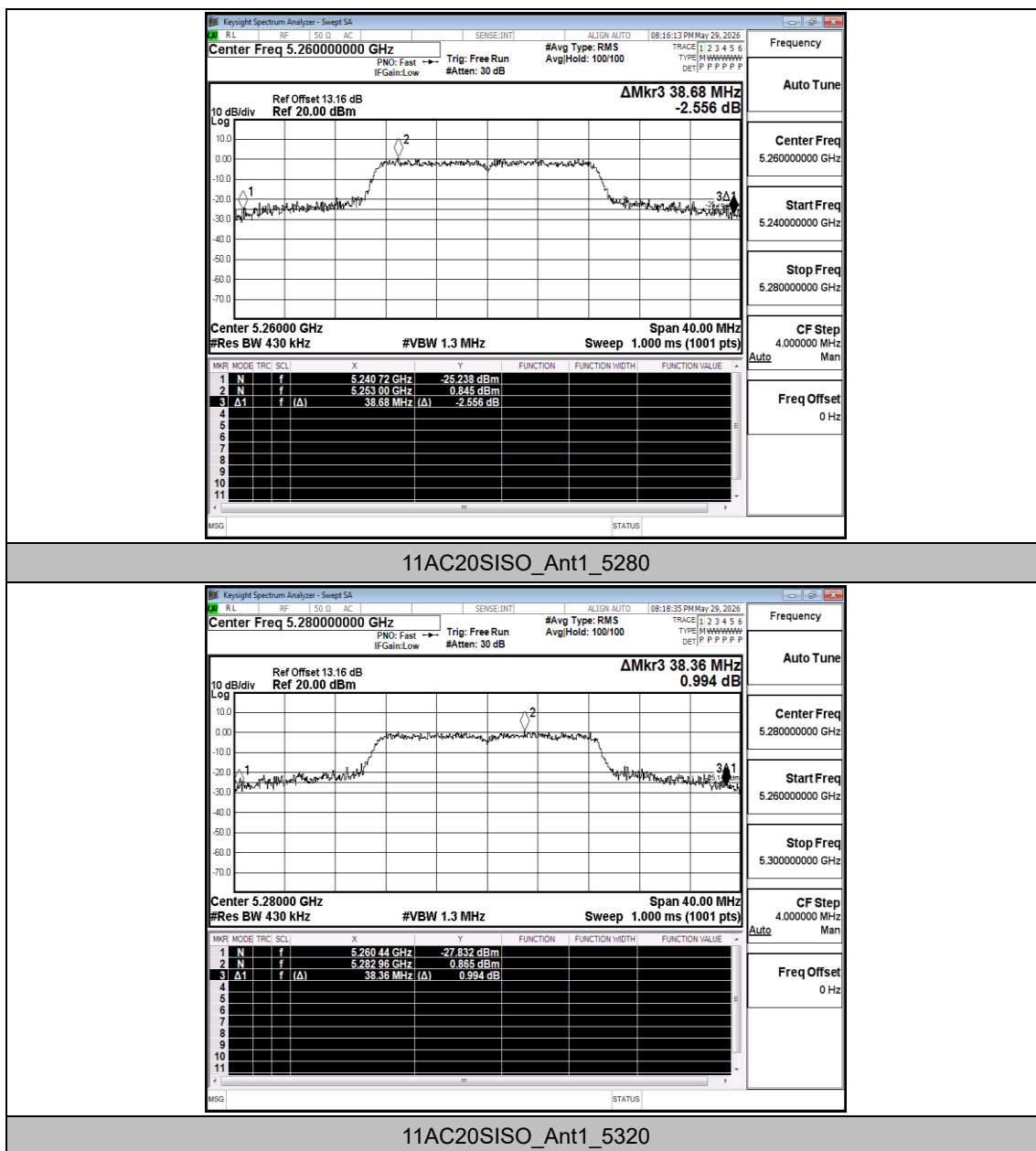
Test Graphs

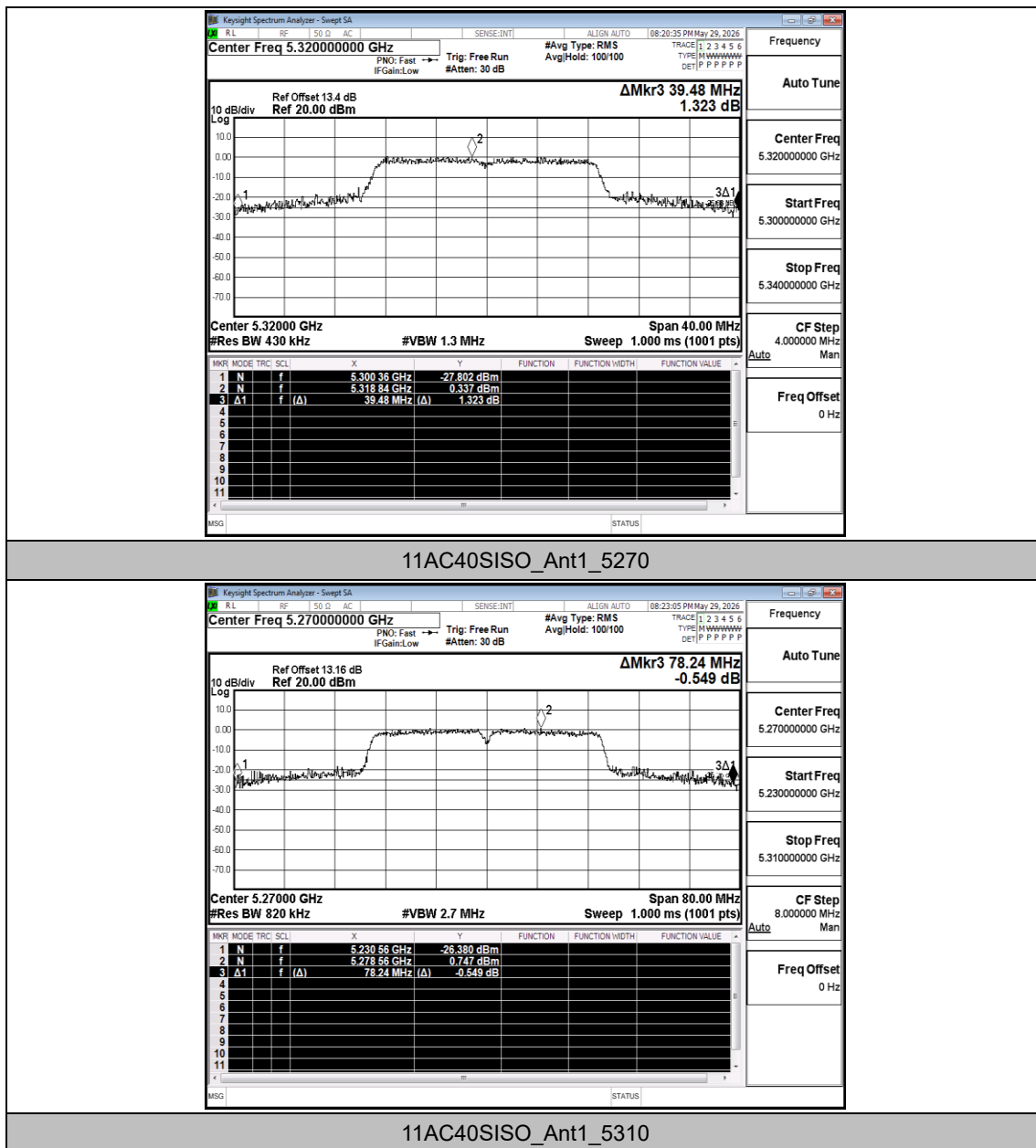


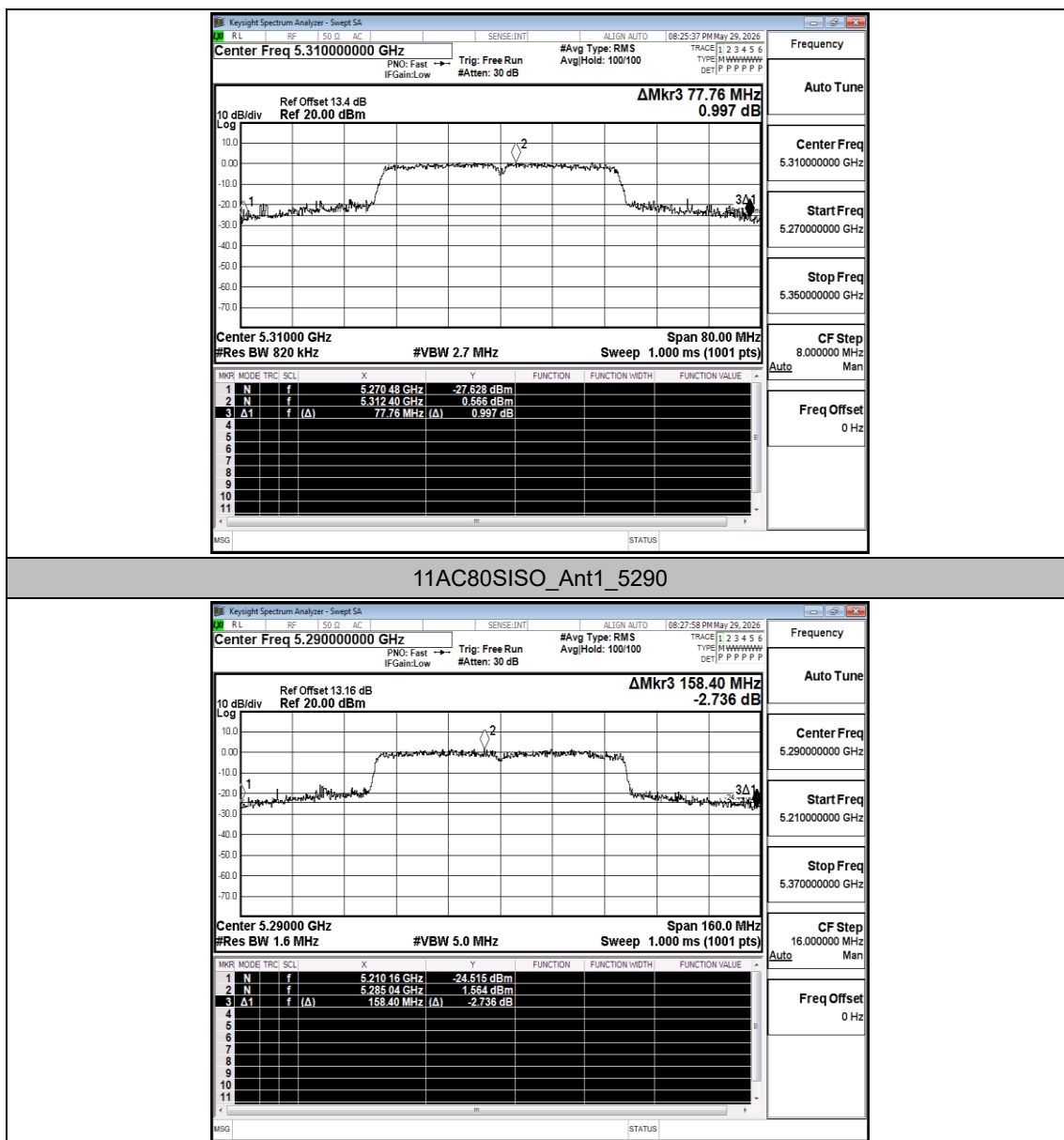












E.2 Maximum conducted output power

Test Result

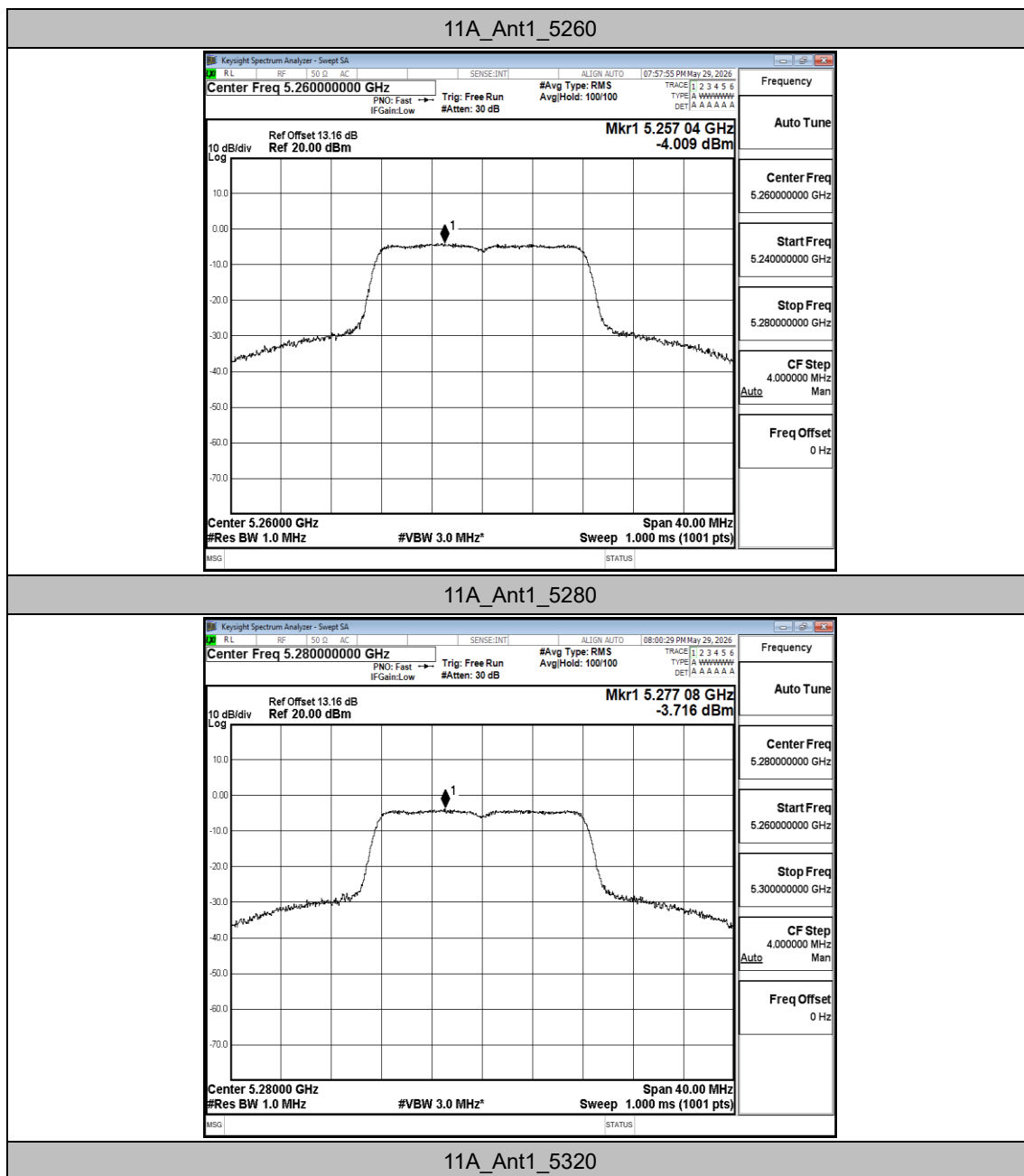
TestMode	Antenna	Freq (MHz)	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	8.13	0.18	8.31	≤23.98	PASS
		5280	8.08	0.18	8.26	≤23.98	PASS
		5320	8.27	0.18	8.45	≤23.98	PASS
11N20SISO	Ant1	5260	8.13	0.25	8.38	≤23.98	PASS
		5280	8.23	0.22	8.45	≤23.98	PASS
		5320	8.43	0.22	8.65	≤23.98	PASS
11N40SISO	Ant1	5270	7.97	0.43	8.40	≤23.98	PASS
		5310	8.11	0.43	8.54	≤23.98	PASS
11AC20SISO	Ant1	5260	8.12	0.21	8.33	≤23.98	PASS
		5280	8.13	0.21	8.34	≤23.98	PASS
		5320	8.34	0.25	8.59	≤23.98	PASS
11AC40SISO	Ant1	5270	7.97	0.42	8.39	≤23.98	PASS
		5310	8.11	0.42	8.53	≤23.98	PASS
11AC80SISO	Ant1	5290	7.63	0.79	8.42	≤23.98	PASS

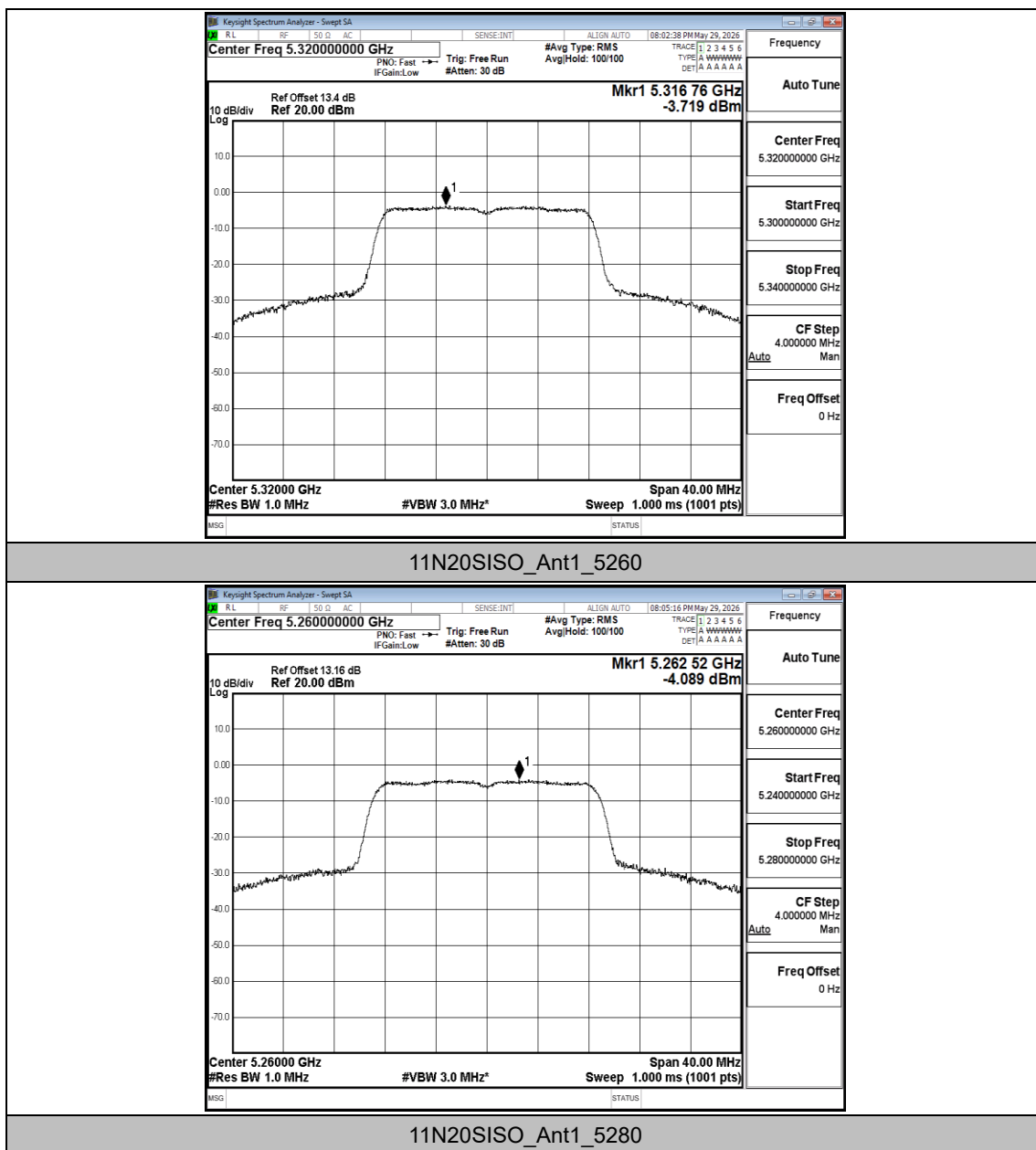
E.3 Maximum power spectral density

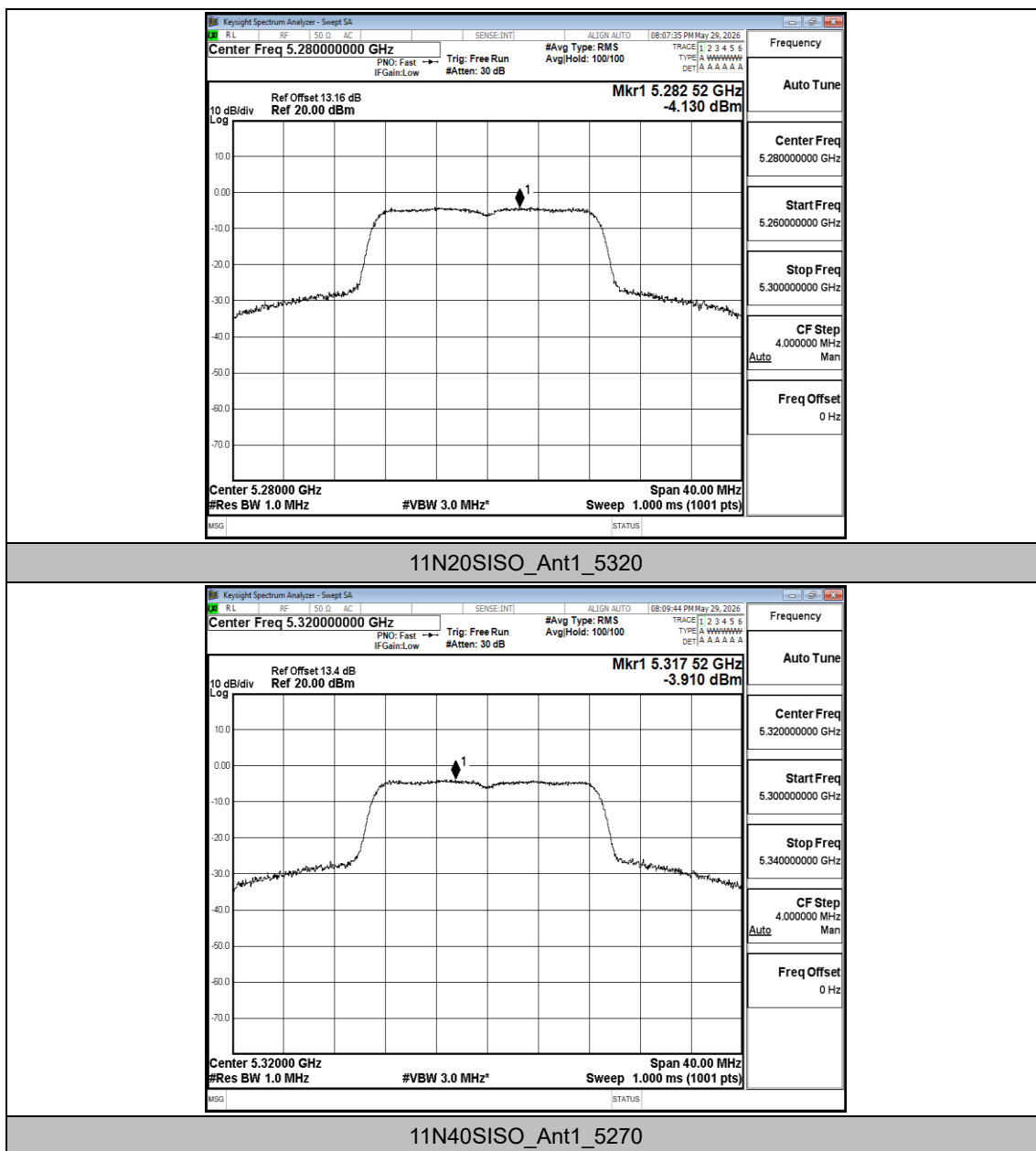
Test Result

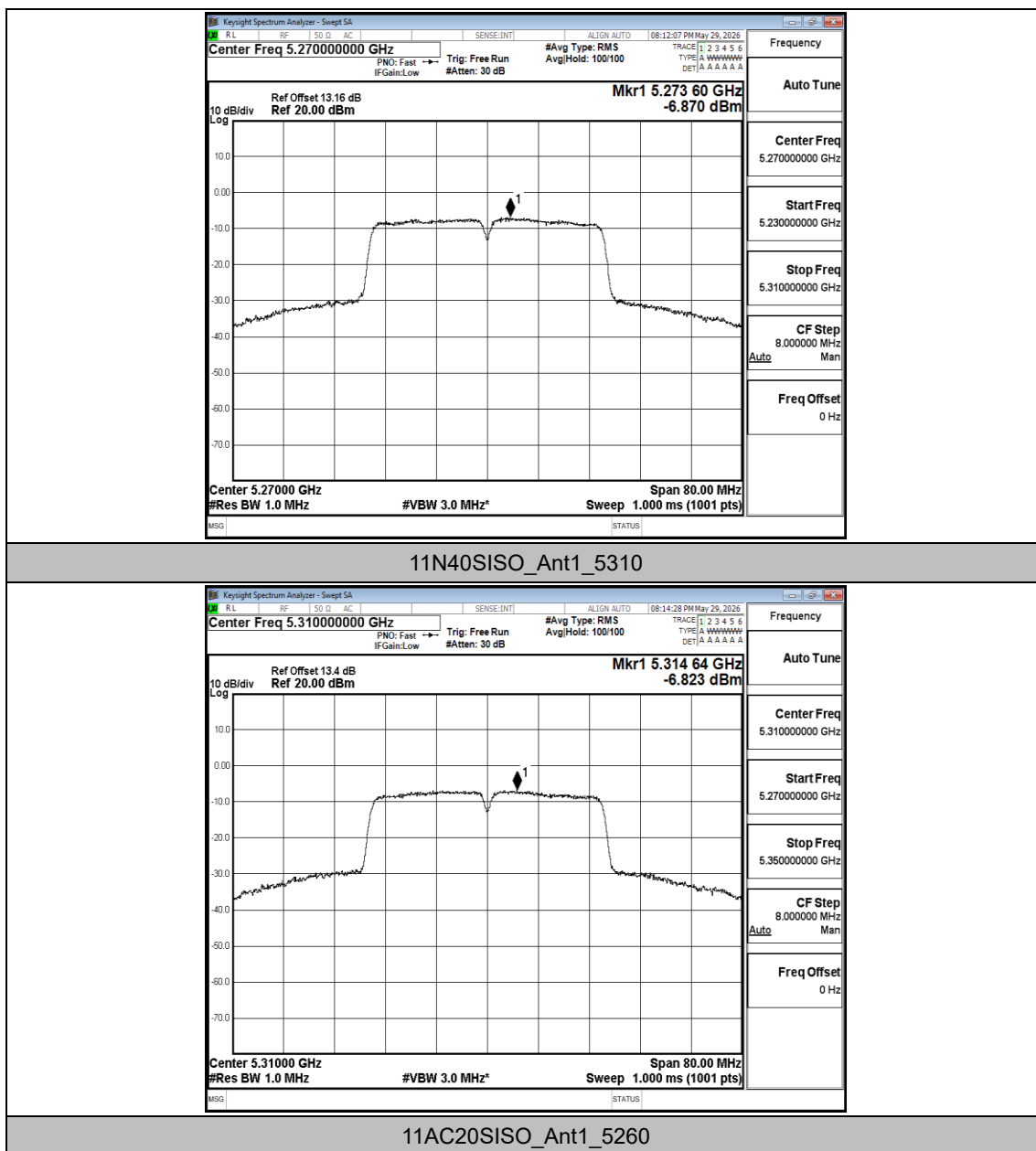
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5260	-4.01	0.18	-3.83	≤11.00	PASS
		5280	-3.72	0.18	-3.54	≤11.00	PASS
		5320	-3.72	0.18	-3.54	≤11.00	PASS
11N20SISO	Ant1	5260	-4.09	0.25	-3.84	≤11.00	PASS
		5280	-4.13	0.22	-3.91	≤11.00	PASS
		5320	-3.91	0.22	-3.69	≤11.00	PASS
11N40SISO	Ant1	5270	-6.87	0.43	-6.44	≤11.00	PASS
		5310	-6.82	0.43	-6.39	≤11.00	PASS
11AC20SISO	Ant1	5260	-4.32	0.21	-4.11	≤11.00	PASS
		5280	-3.92	0.21	-3.71	≤11.00	PASS
		5320	-3.92	0.25	-3.67	≤11.00	PASS
11AC40SISO	Ant1	5270	-6.93	0.42	-6.51	≤11.00	PASS
		5310	-6.93	0.42	-6.51	≤11.00	PASS
11AC80SISO	Ant1	5290	-10.24	0.79	-9.45	≤11.00	PASS

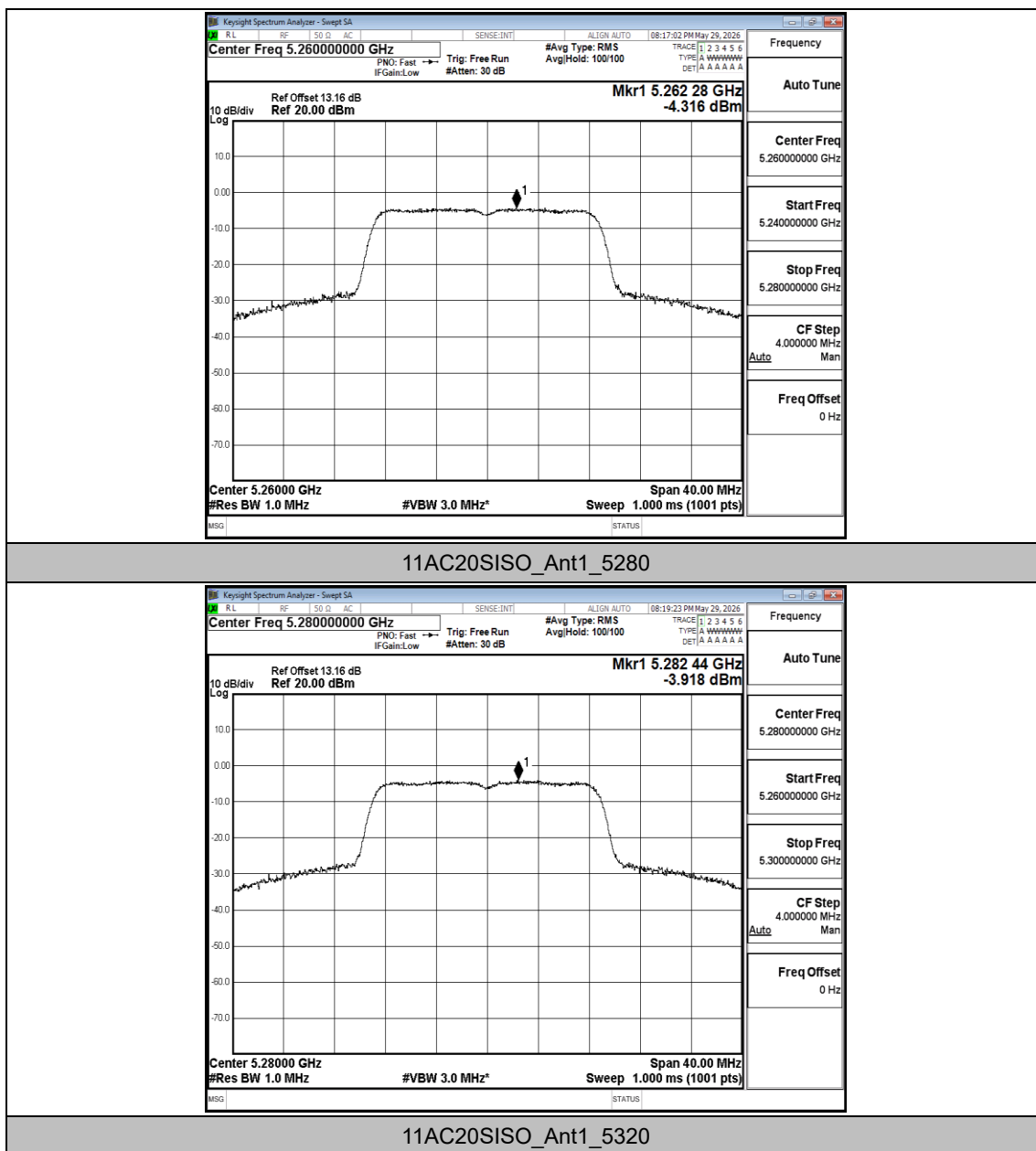
Test Graphs

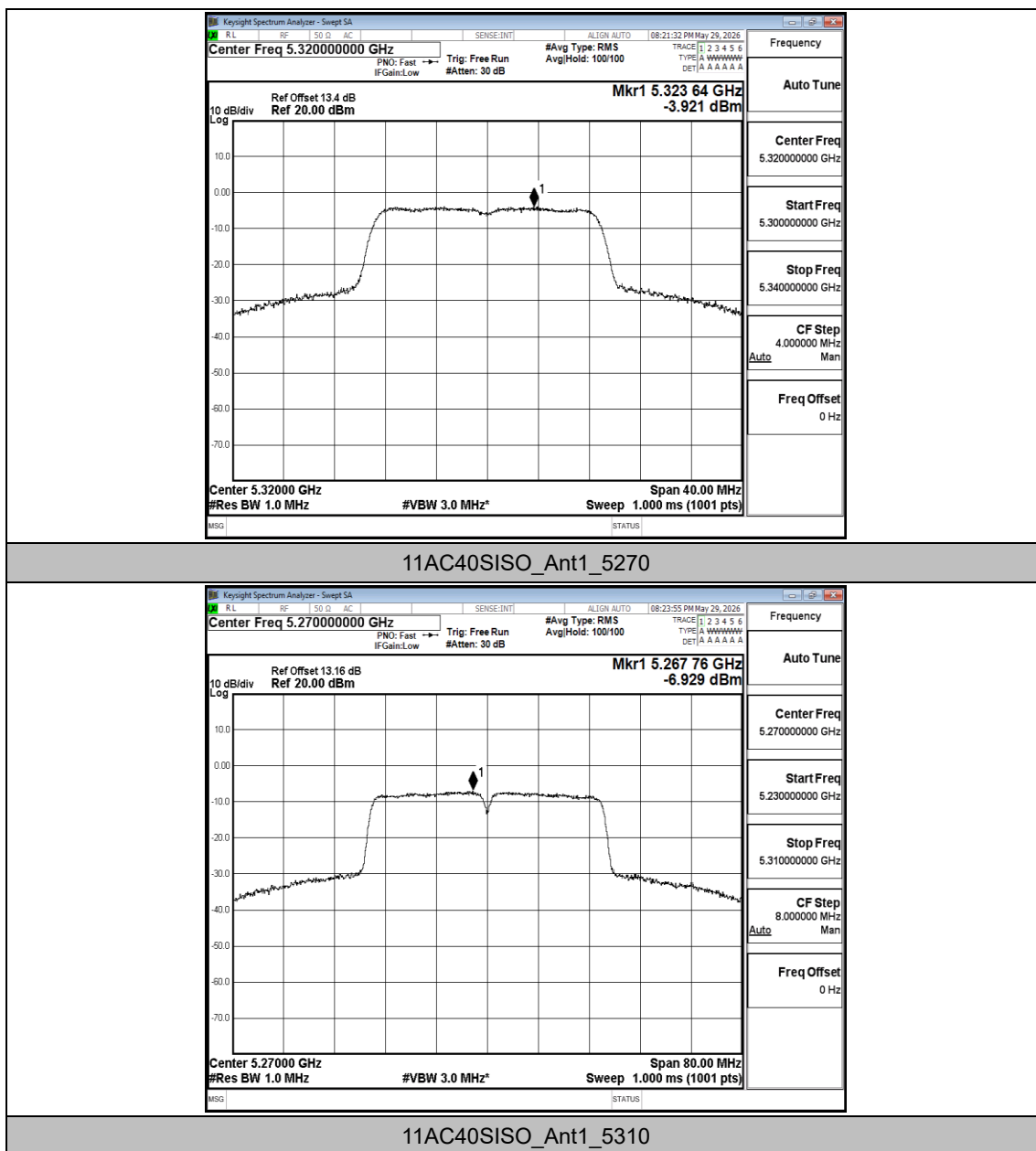


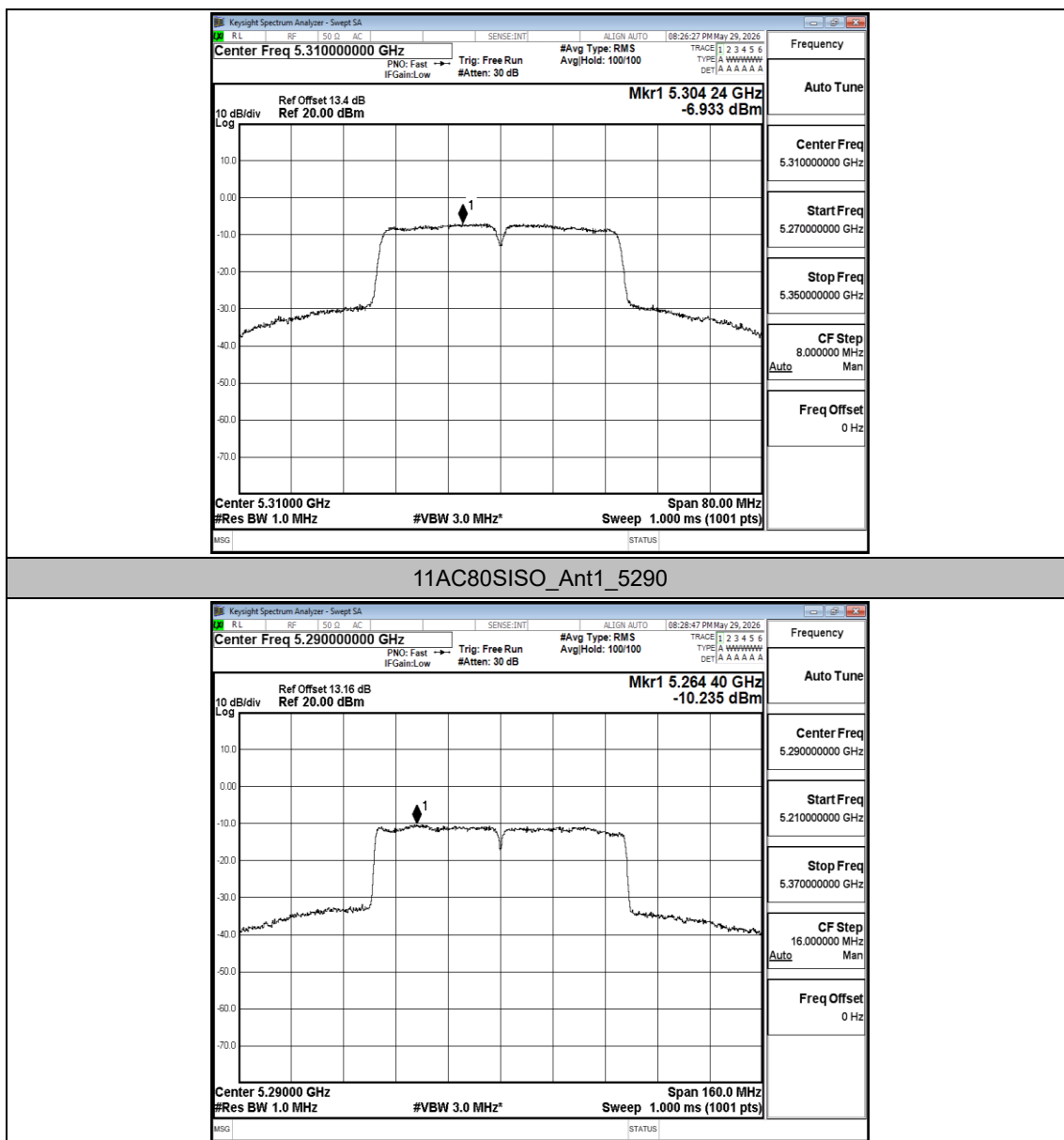












E.4 Emissions in Restricted Bands

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	5260	AV	4500.000	-61.78	≤-43.38	2.00	0.18	35.60	≤54	PASS
				AV	4786.770	-53.44	≤-43.38	2.00	0.18	43.94	≤54	PASS
				AV	5150.000	-59.42	≤-43.38	2.00	0.18	37.96	≤54	PASS
				Peak	4500.000	-54.42	≤-29.00	2.00	0.00	42.78	≤68.2	PASS
				Peak	4773.340	-45.7	≤-29.00	2.00	0.00	51.50	≤68.2	PASS
				Peak	5150.000	-52.2	≤-29.00	2.00	0.00	45.00	≤68.2	PASS
		High	5320	AV	5350.000	-47.42	≤-43.38	2.00	0.18	49.96	≤54	PASS
				AV	5350.240	-46.28	≤-43.38	2.00	0.18	51.10	≤54	PASS
				AV	5460.000	-61.76	≤-43.38	2.00	0.18	35.62	≤54	PASS
				Peak	5350.000	-35.53	≤-29.00	2.00	0.00	61.67	≤68.2	PASS
				Peak	5353.920	-30.24	≤-29.00	2.00	0.00	66.96	≤68.2	PASS
				Peak	5460.000	-54.16	≤-29.00	2.00	0.00	43.04	≤68.2	PASS
11N20SISO	Ant1	Low	5260	AV	4500.000	-61.67	≤-43.45	2.00	0.25	35.78	≤54	PASS
				AV	4786.770	-53.25	≤-43.45	2.00	0.25	44.20	≤54	PASS
				AV	5150.000	-59.68	≤-43.45	2.00	0.25	37.77	≤54	PASS
				Peak	4500.000	-54.35	≤-29.00	2.00	0.00	42.85	≤68.2	PASS
				Peak	4788.350	-44.52	≤-29.00	2.00	0.00	52.68	≤68.2	PASS
				Peak	5150.000	-49.95	≤-29.00	2.00	0.00	47.25	≤68.2	PASS
		High	5320	AV	5350.000	-61.12	≤-43.42	2.00	0.22	36.30	≤54	PASS
				AV	5351.040	-60.19	≤-43.42	2.00	0.22	37.23	≤54	PASS
				AV	5460.000	-67.3	≤-43.42	2.00	0.22	30.12	≤54	PASS
				Peak	5350.000	-48.17	≤-29.00	2.00	0.00	49.03	≤68.2	PASS
				Peak	5351.520	-41.87	≤-29.00	2.00	0.00	55.33	≤68.2	PASS
				Peak	5460.000	-56.85	≤-29.00	2.00	0.00	40.35	≤68.2	PASS
11N40SISO	Ant1	Low	5270	AV	4500.000	-61.28	≤-43.63	2.00	0.43	36.35	≤54	PASS
				AV	4806.520	-49.42	≤-43.63	2.00	0.43	48.21	≤54	PASS
				AV	5150.000	-59.37	≤-43.63	2.00	0.43	38.26	≤54	PASS
				Peak	4500.000	-54.8	≤-29.00	2.00	0.00	42.40	≤68.2	PASS
				Peak	4805.730	-41.58	≤-29.00	2.00	0.00	55.62	≤68.2	PASS
				Peak	5150.000	-50.16	≤-29.00	2.00	0.00	47.04	≤68.2	PASS
		High	5310	AV	5350.000	-53.7	≤-43.63	2.00	0.43	43.93	≤54	PASS
				AV	5350.080	-53.7	≤-43.63	2.00	0.43	43.93	≤54	PASS
				AV	5460.000	-67.51	≤-43.63	2.00	0.43	30.12	≤54	PASS
				Peak	5350.000	-43.48	≤-29.00	2.00	0.00	53.72	≤68.2	PASS
				Peak	5350.880	-37.6	≤-29.00	2.00	0.00	59.60	≤68.2	PASS

				Peak	5460.000	-59.26	≤-29.00	2.00	0.00	37.94	≤68.2	PASS
11AC20SISO	Ant1	Low	5260	AV	4500.000	-62.24	≤-43.41	2.00	0.21	35.17	≤54	PASS
				AV	4787.560	-53.16	≤-43.41	2.00	0.21	44.25	≤54	PASS
				AV	5150.000	-59.67	≤-43.41	2.00	0.21	37.74	≤54	PASS
				Peak	4500.000	-54.52	≤-29.00	2.00	0.00	42.68	≤68.2	PASS
				Peak	4787.560	-45.46	≤-29.00	2.00	0.00	51.74	≤68.2	PASS
				Peak	5150.000	-51.33	≤-29.00	2.00	0.00	45.87	≤68.2	PASS
		High	5320	AV	5350.000	-64.14	≤-43.45	2.00	0.25	33.31	≤54	PASS
				AV	5350.400	-62.17	≤-43.45	2.00	0.25	35.28	≤54	PASS
				AV	5460.000	-66.92	≤-43.45	2.00	0.25	30.53	≤54	PASS
				Peak	5350.000	-49.6	≤-29.00	2.00	0.00	47.60	≤68.2	PASS
				Peak	5351.360	-46.82	≤-29.00	2.00	0.00	50.38	≤68.2	PASS
				Peak	5460.000	-58.41	≤-29.00	2.00	0.00	38.79	≤68.2	PASS
11AC40SISO	Ant1	Low	5270	AV	4500.000	-61.94	≤-43.62	2.00	0.42	35.68	≤54	PASS
				AV	4805.730	-49.82	≤-43.62	2.00	0.42	47.80	≤54	PASS
				AV	5150.000	-59.36	≤-43.62	2.00	0.42	38.26	≤54	PASS
				Peak	4500.000	-54.51	≤-29.00	2.00	0.00	42.69	≤68.2	PASS
				Peak	4807.310	-40.79	≤-29.00	2.00	0.00	56.41	≤68.2	PASS
				Peak	5150.000	-51.09	≤-29.00	2.00	0.00	46.11	≤68.2	PASS
		High	5310	AV	5350.000	-53.13	≤-43.62	2.00	0.42	44.49	≤54	PASS
				AV	5350.240	-52.42	≤-43.62	2.00	0.42	45.20	≤54	PASS
				AV	5460.000	-66.81	≤-43.62	2.00	0.42	30.81	≤54	PASS
				Peak	5350.000	-40.96	≤-29.00	2.00	0.00	56.24	≤68.2	PASS
				Peak	5352.160	-37.62	≤-29.00	2.00	0.00	59.58	≤68.2	PASS
				Peak	5460.000	-59.32	≤-29.00	2.00	0.00	37.88	≤68.2	PASS
11AC80SISO	Ant1	Low	5290	AV	4500.000	-62.4	≤-43.99	2.00	0.79	35.59	≤54	PASS
				AV	5141.600	-53.23	≤-43.99	2.00	0.79	44.76	≤54	PASS
				AV	5150.000	-52.97	≤-43.99	2.00	0.79	45.02	≤54	PASS
				Peak	4500.000	-54.13	≤-29.00	2.00	0.00	43.07	≤68.2	PASS
				Peak	5110.400	-39.85	≤-29.00	2.00	0.00	57.35	≤68.2	PASS
				Peak	5150.000	-42.01	≤-29.00	2.00	0.00	55.19	≤68.2	PASS
		High	5290	AV	5350.000	-56.36	≤-43.99	2.00	0.79	41.63	≤54	PASS
				AV	5351.800	-56.05	≤-43.99	2.00	0.79	41.94	≤54	PASS
				AV	5460.000	-67	≤-43.99	2.00	0.79	30.99	≤54	PASS
				Peak	5350.000	-46.8	≤-29.00	2.00	0.00	50.40	≤68.2	PASS
				Peak	5381.200	-44.7	≤-29.00	2.00	0.00	52.50	≤68.2	PASS
				Peak	5460.000	-59.39	≤-29.00	2.00	0.00	37.81	≤68.2	PASS

Note:

1. The Antenna Gain is compensated in the graph.

Test Graphs

