

Appendix E

RF Test Data for 5.3GWIFI(Conducted Measurement)

Product Name: Tablet

Test Model: K11 Pro

Environmental Conditions

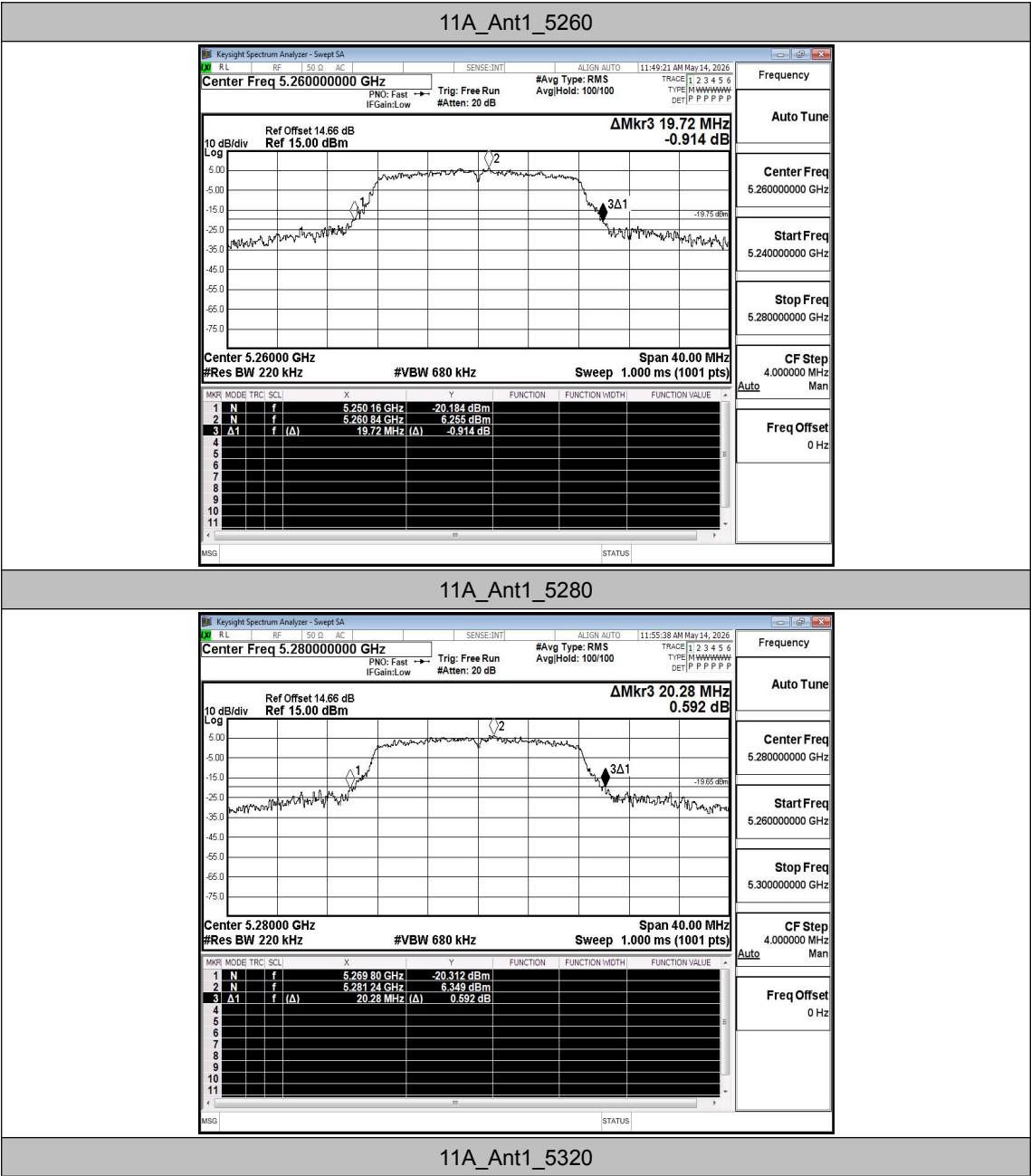
Temperature:	24.5°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

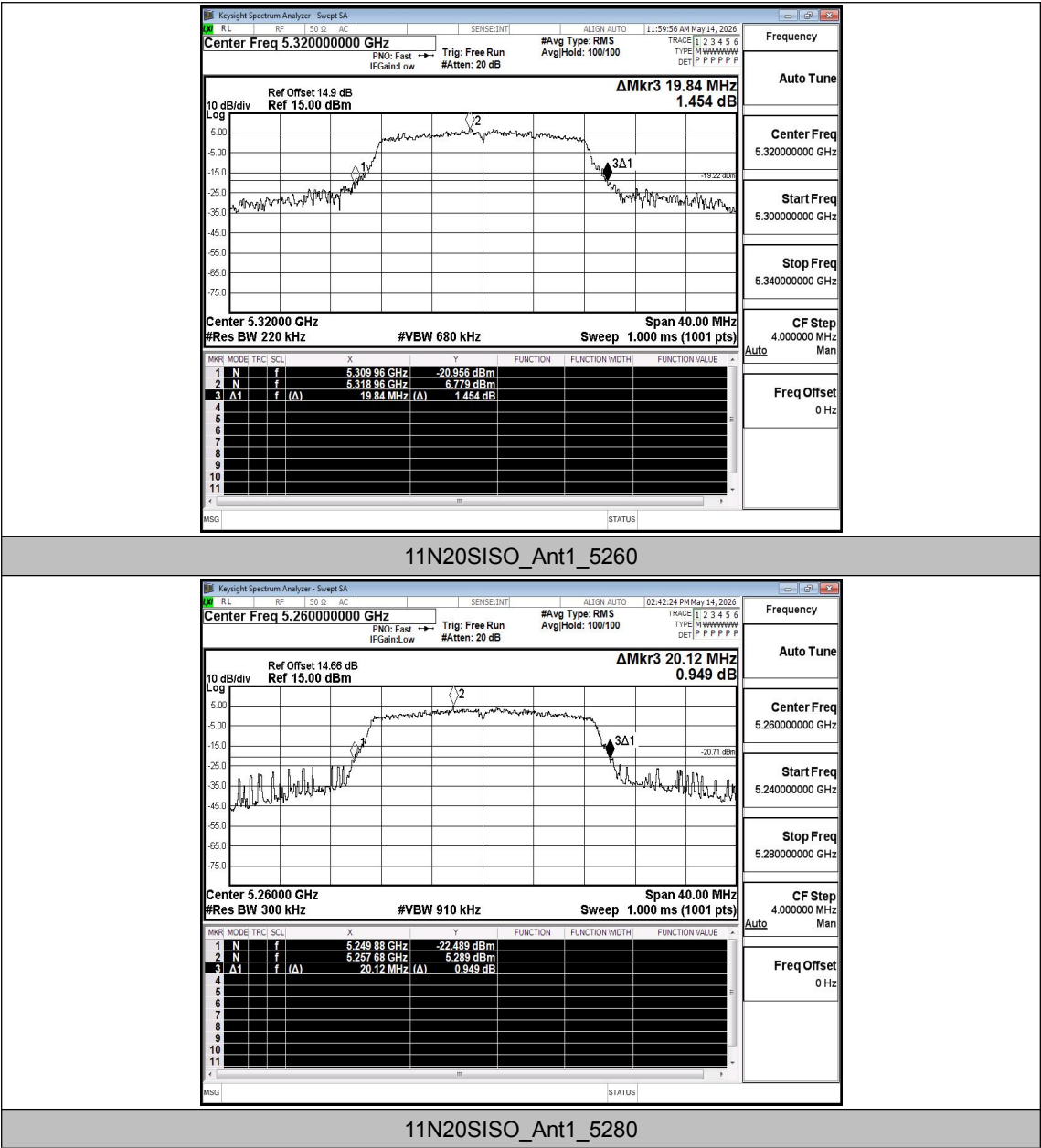
E.1 Emission Bandwidth

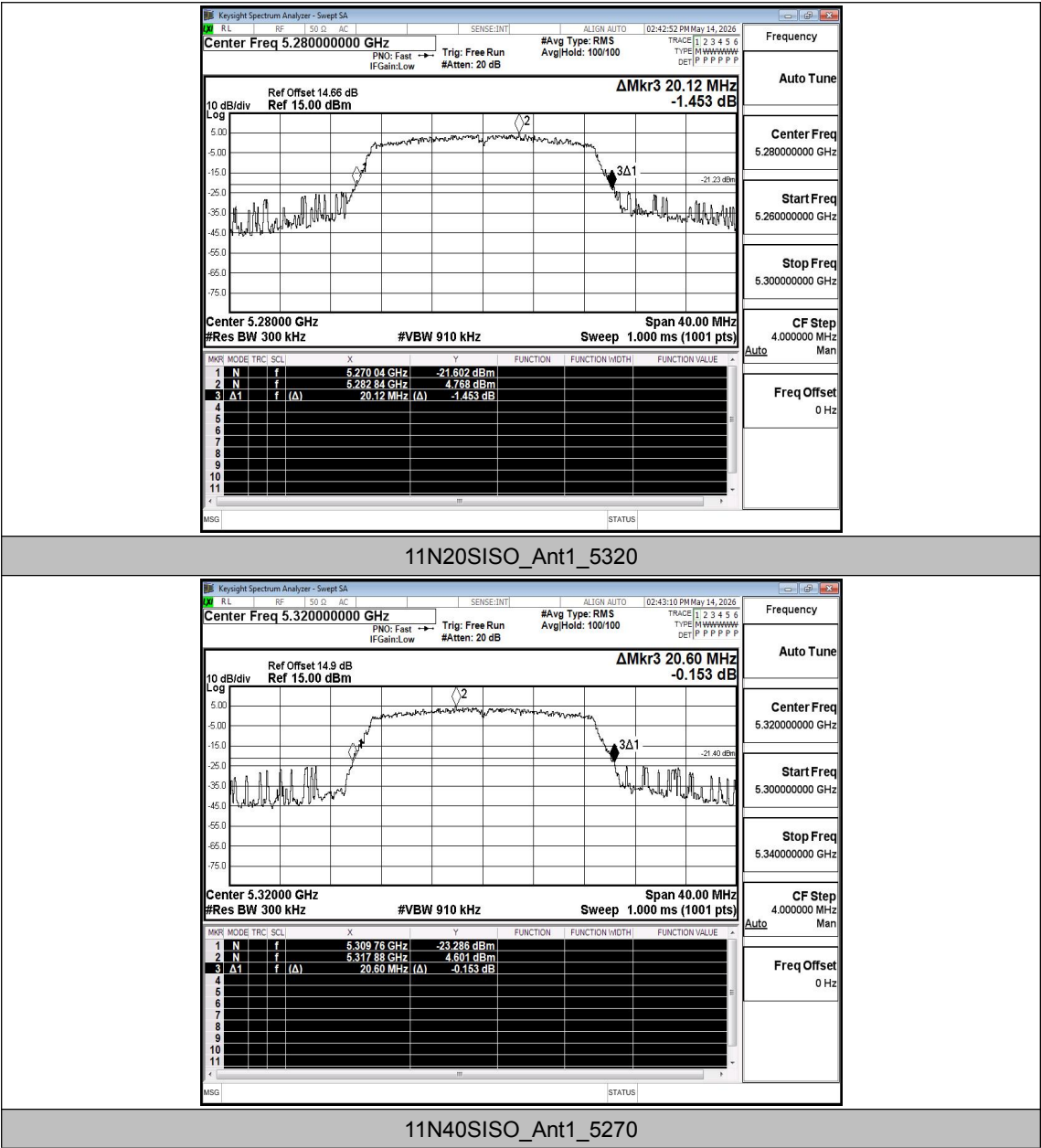
Test Result

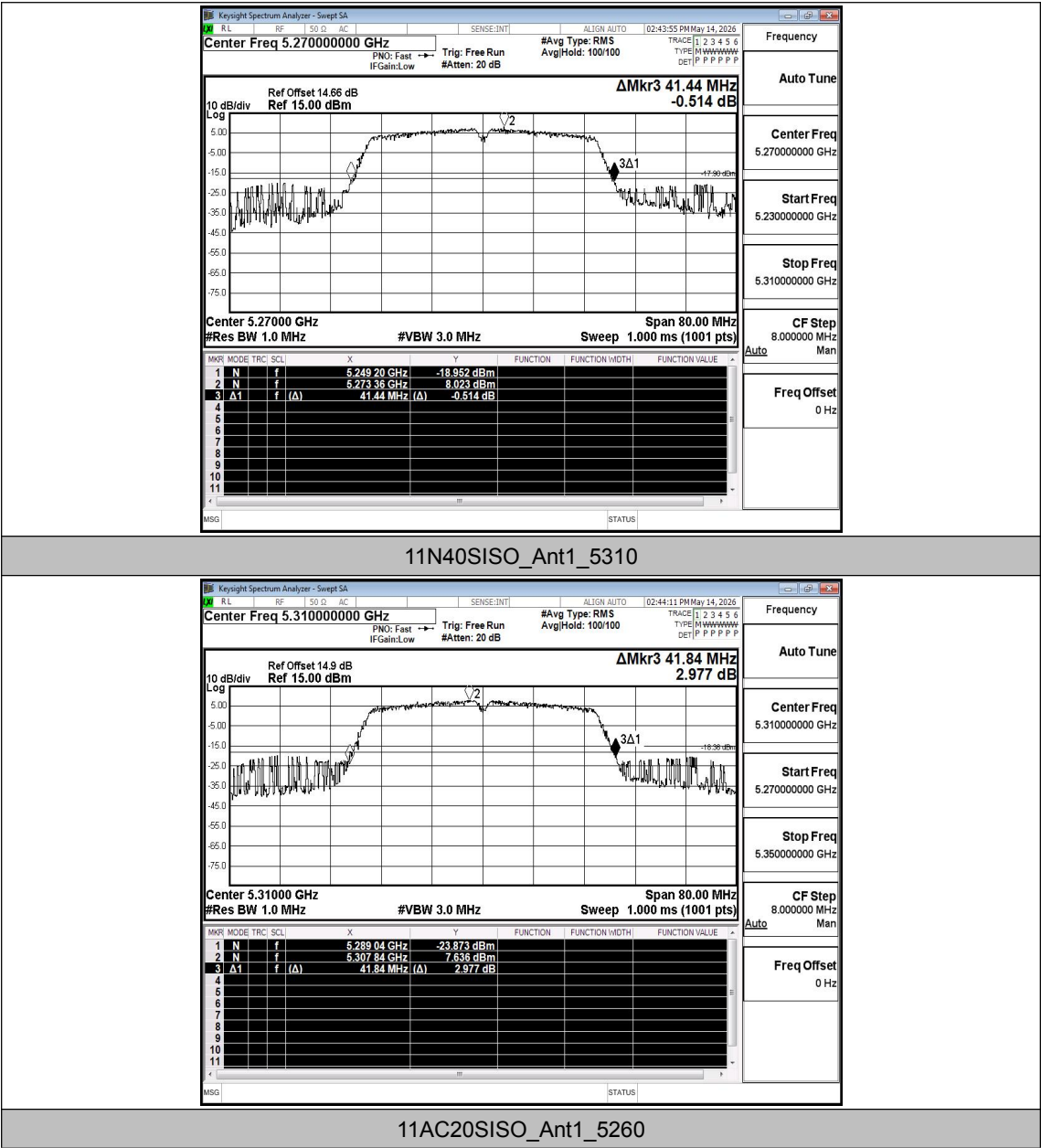
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	19.720	5250.160	5269.880	---	---
		5280	20.280	5269.800	5290.080	---	---
		5320	19.840	5309.960	5329.800	---	---
11N20SISO	Ant1	5260	20.120	5249.880	5270.000	---	---
		5280	20.120	5270.040	5290.160	---	---
		5320	20.600	5309.760	5330.360	---	---
11N40SISO	Ant1	5270	41.440	5249.200	5290.640	---	---
		5310	41.840	5289.040	5330.880	---	---
11AC20SISO	Ant1	5260	21.920	5248.160	5270.080	---	---
		5280	20.200	5269.960	5290.160	---	---
		5320	20.400	5309.840	5330.240	---	---
11AC40SISO	Ant1	5270	40.880	5249.600	5290.480	---	---
		5310	40.320	5289.760	5330.080	---	---
11AC80SISO	Ant1	5290	81.120	5249.520	5330.640	---	---

Test Graphs

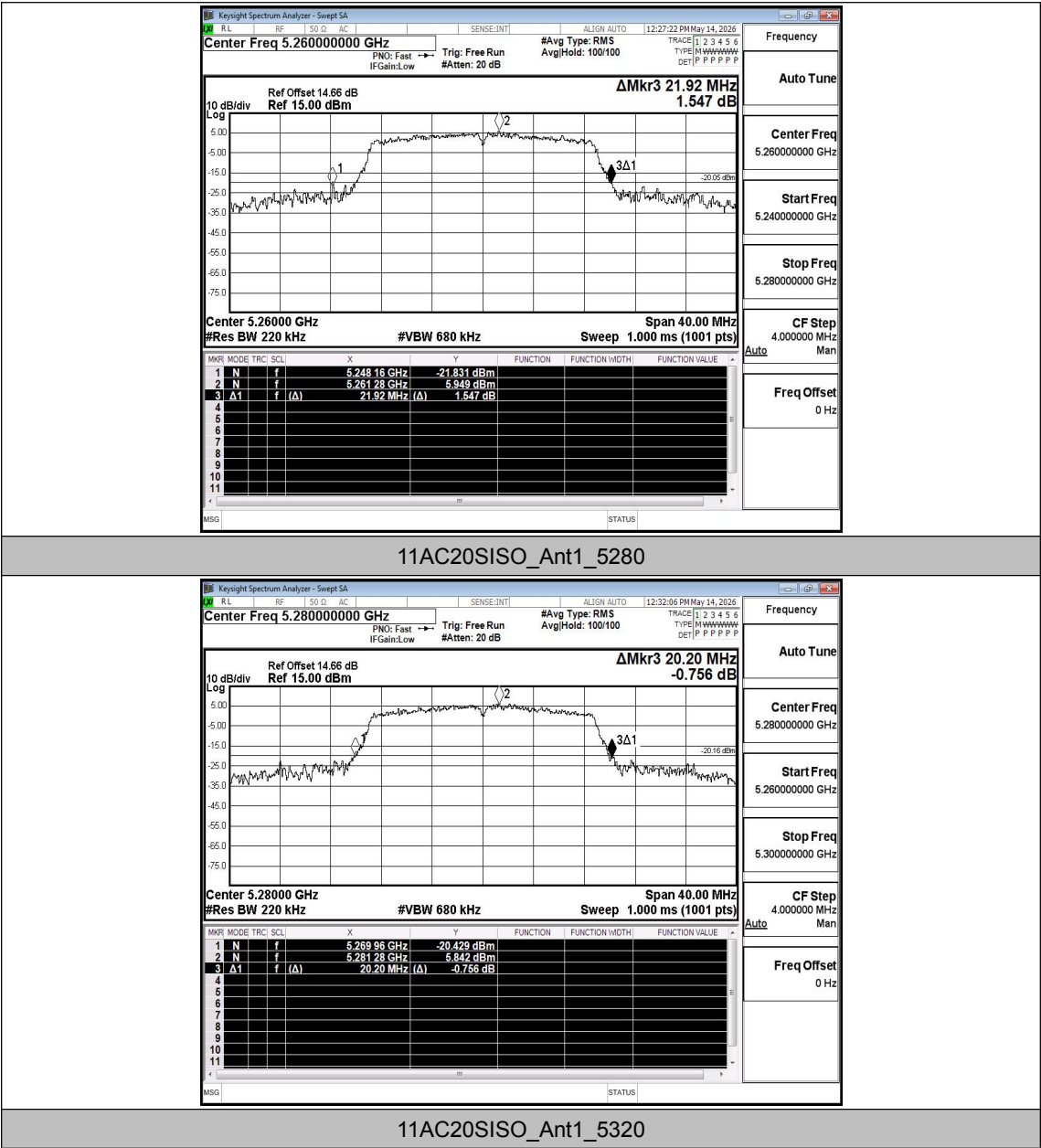


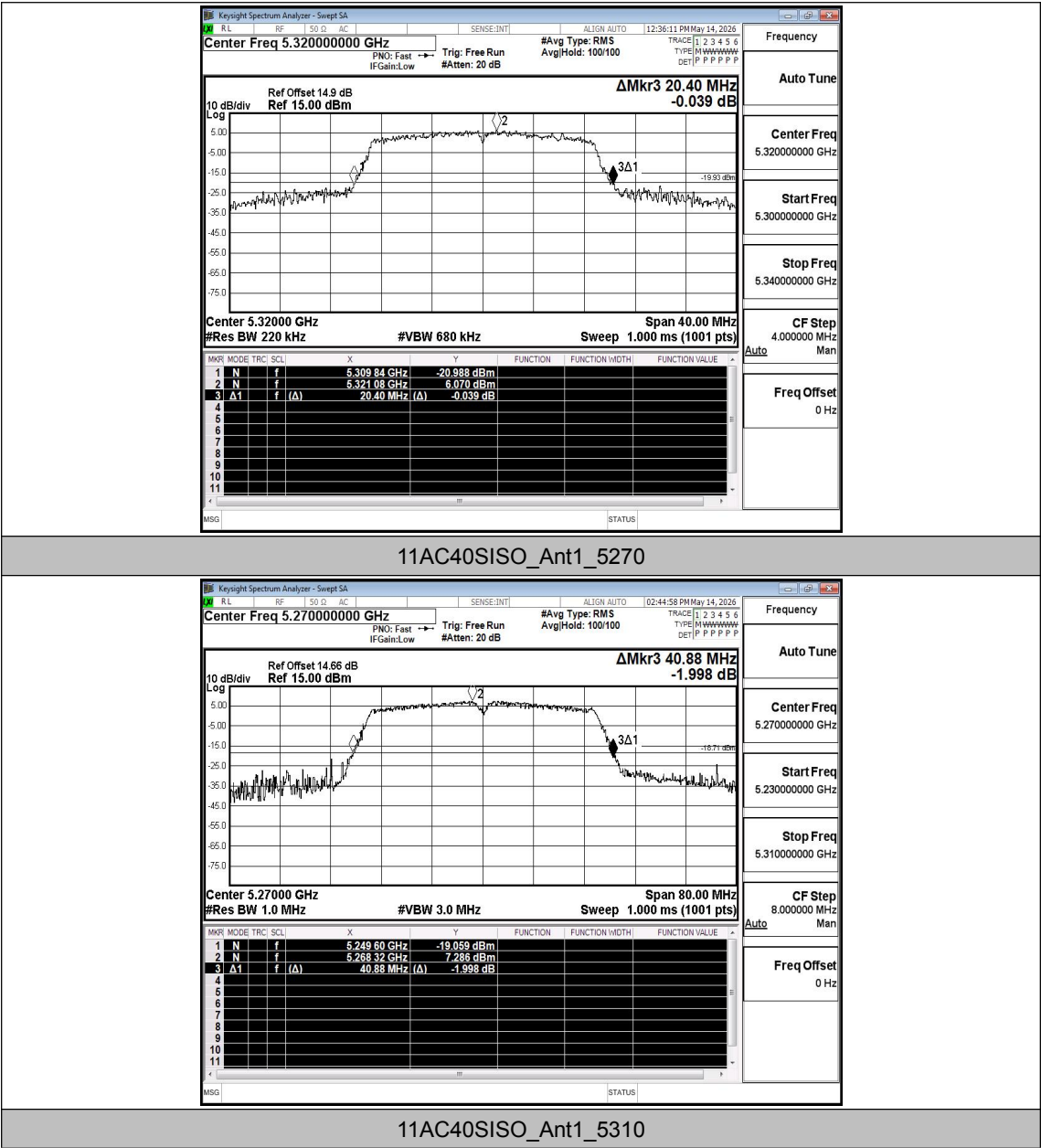


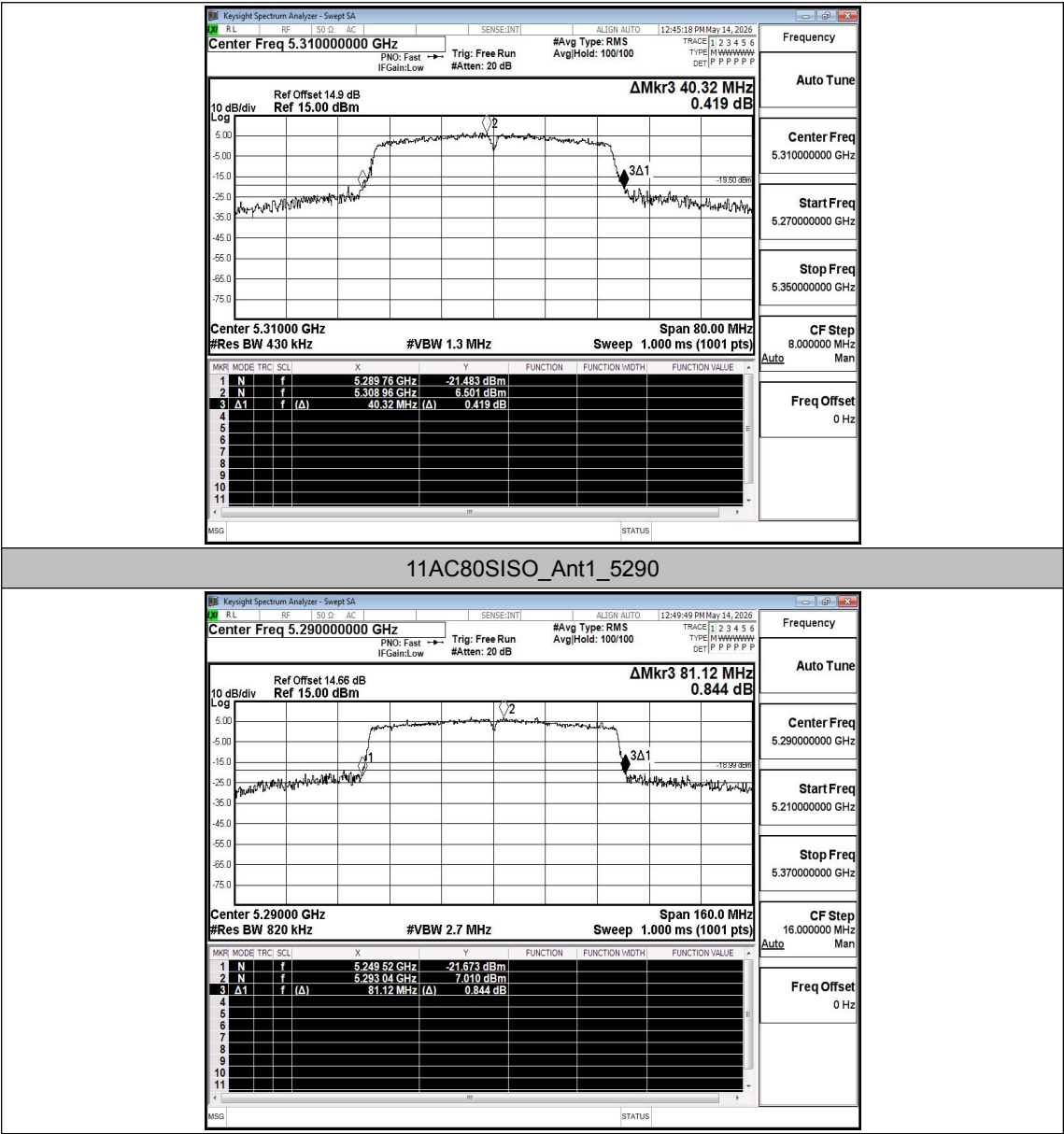




11A20SISO_Ant1_5260







E.2 Maximum conducted output power

Test Result Channel Power

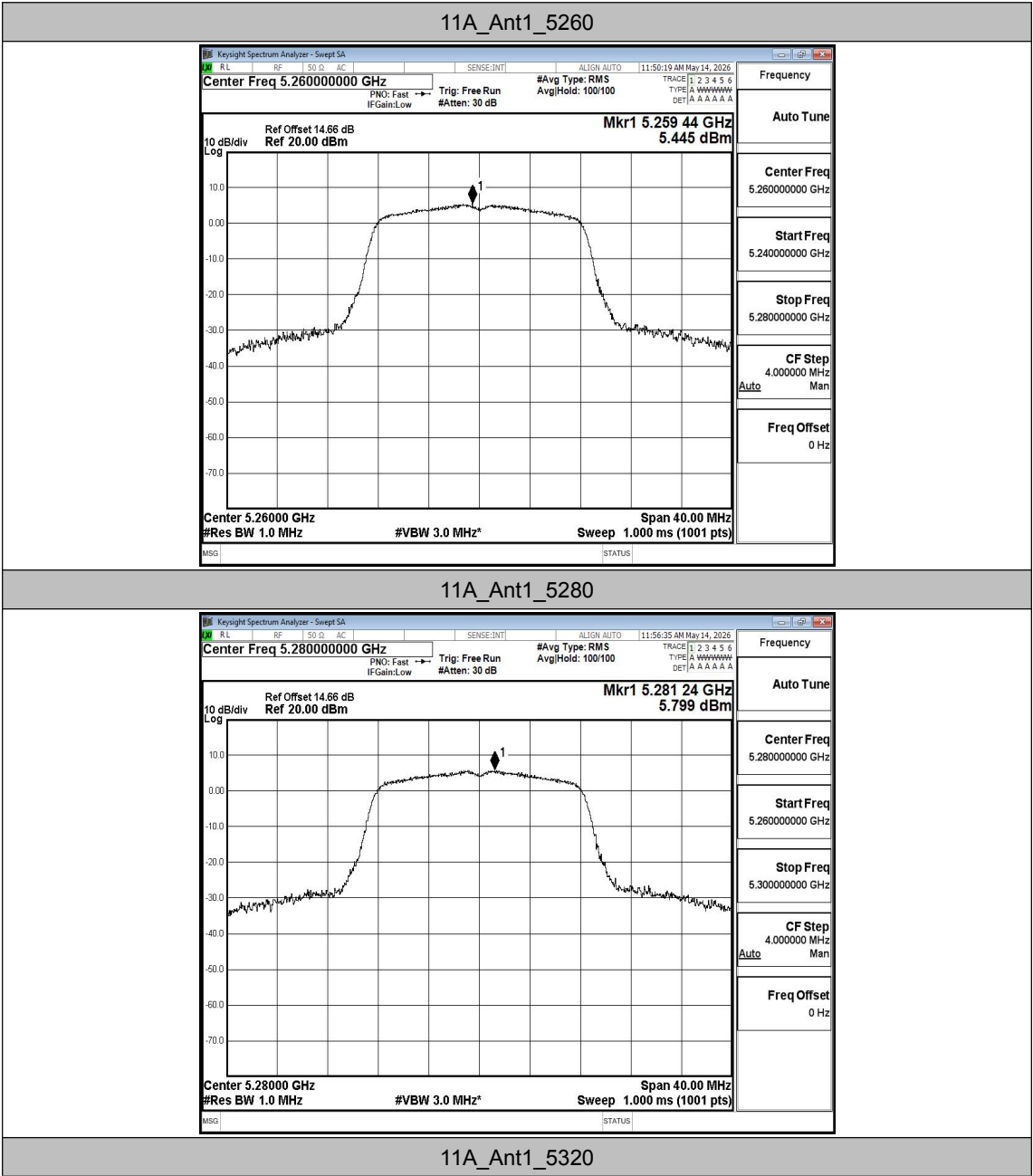
Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	NA	16.10	0.15	16.25	≤23.98	PASS
		5280	NA	16.38	0.15	16.53	≤23.98	PASS
		5320	NA	16.81	0.15	16.96	≤23.98	PASS
11N20SISO	Ant1	5260	NA	15.99	0.16	16.15	≤23.98	PASS
		5280	NA	16.34	0.17	16.51	≤23.98	PASS
		5320	NA	16.74	0.16	16.90	≤23.98	PASS
11N40SISO	Ant1	5270	NA	15.97	0.26	16.23	≤23.98	PASS
		5310	NA	16.50	0.33	16.83	≤23.98	PASS
11AC20SISO	Ant1	5260	NA	15.89	0.16	16.05	≤23.98	PASS
		5280	NA	16.28	0.13	16.41	≤23.98	PASS
		5320	NA	16.78	0.13	16.91	≤23.98	PASS
11AC40SISO	Ant1	5270	NA	16.16	0.26	16.42	≤23.98	PASS
		5310	NA	16.50	0.26	16.76	≤23.98	PASS
11AC80SISO	Ant1	5290	NA	16.13	0.63	16.76	≤23.98	PASS

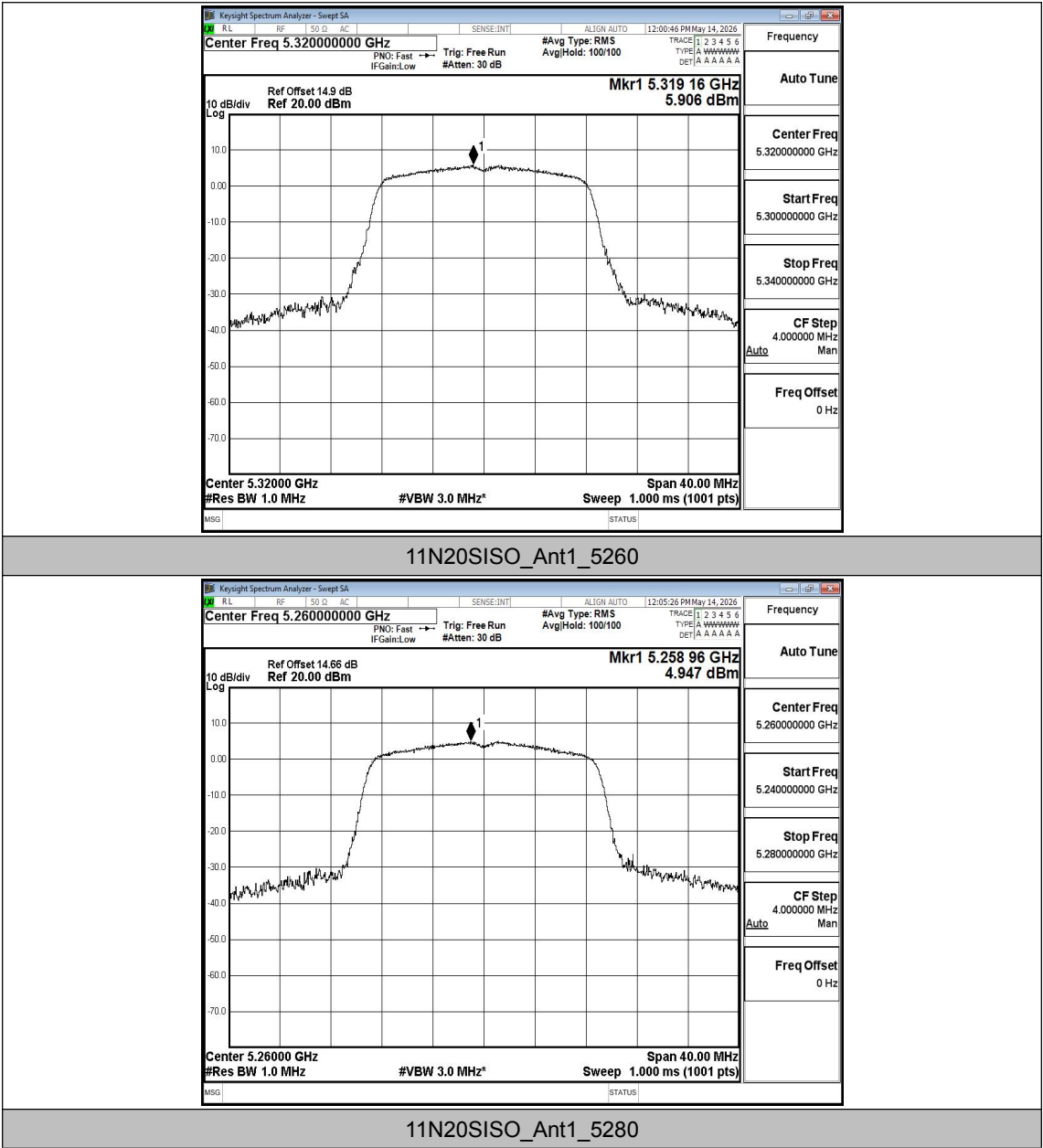
E.3 Maximum power spectral density

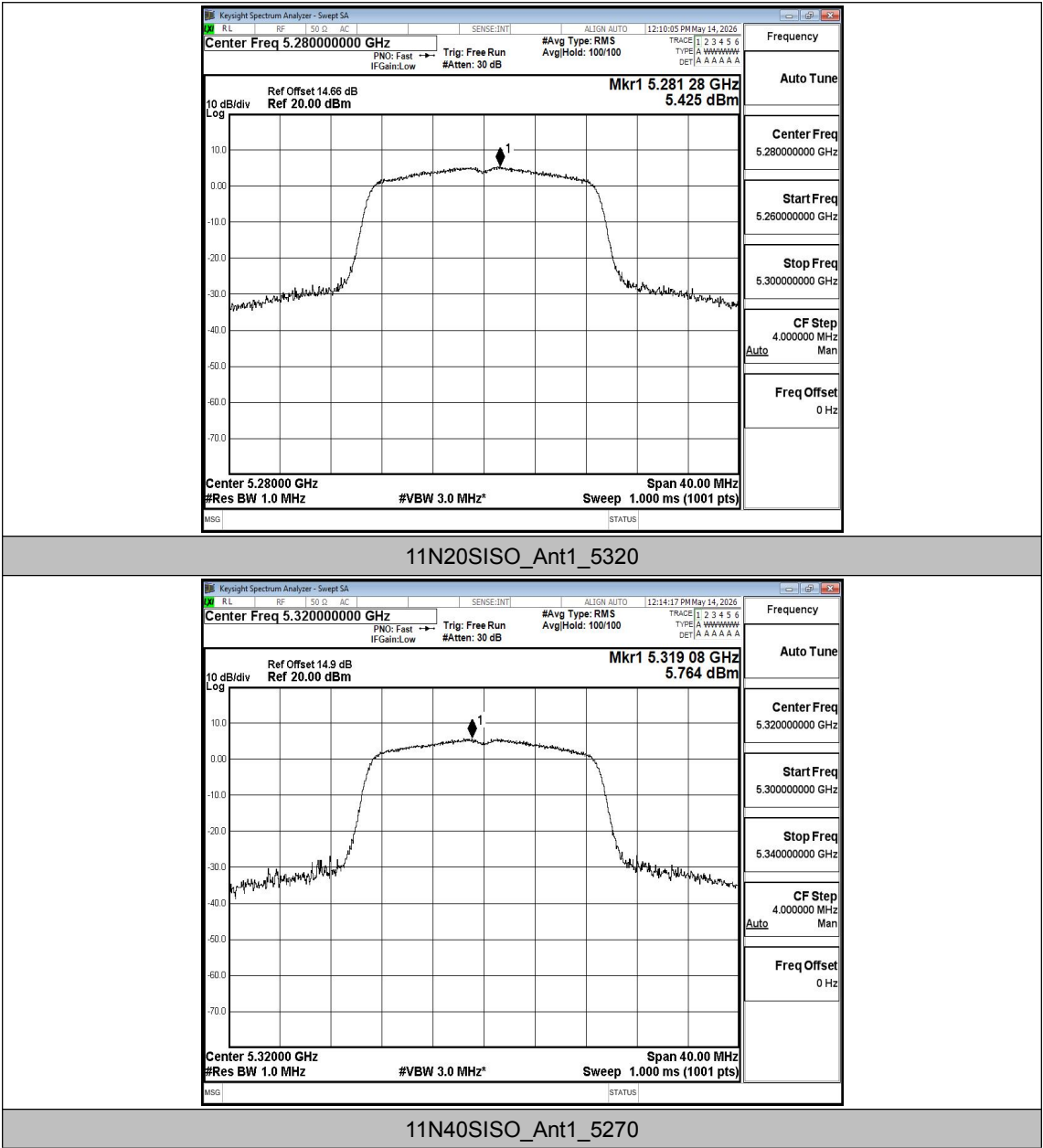
Test Result

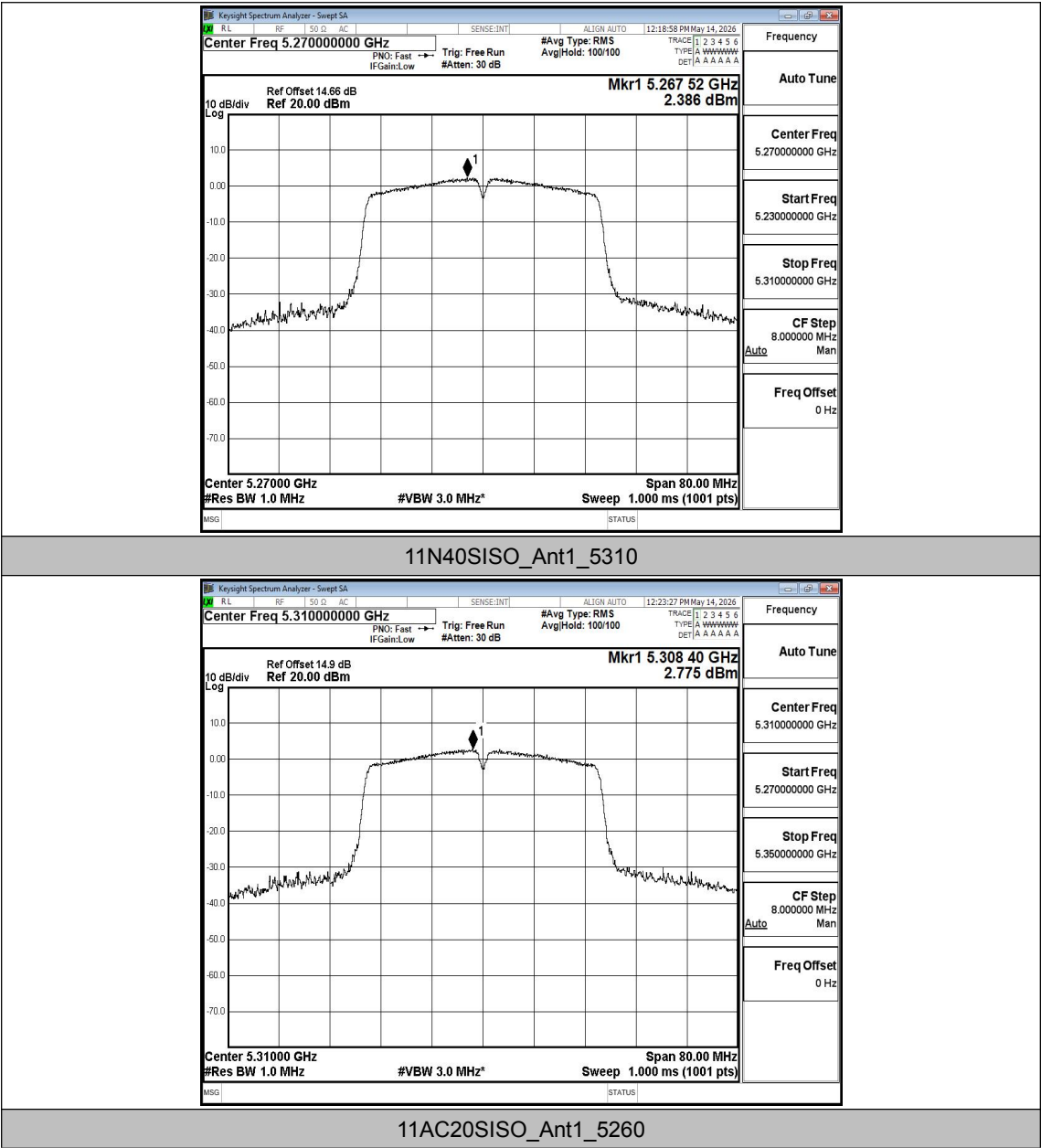
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5260	5.45	0.15	5.60	≤11.00	PASS
		5280	5.8	0.15	5.95	≤11.00	PASS
		5320	5.91	0.15	6.06	≤11.00	PASS
11N20SISO	Ant1	5260	4.95	0.16	5.11	≤11.00	PASS
		5280	5.43	0.17	5.60	≤11.00	PASS
		5320	5.76	0.16	5.92	≤11.00	PASS
11N40SISO	Ant1	5270	2.39	0.26	2.65	≤11.00	PASS
		5310	2.78	0.33	3.11	≤11.00	PASS
11AC20SISO	Ant1	5260	5.18	0.16	5.34	≤11.00	PASS
		5280	5.28	0.13	5.41	≤11.00	PASS
		5320	5.6	0.13	5.73	≤11.00	PASS
11AC40SISO	Ant1	5270	2.63	0.26	2.89	≤11.00	PASS
		5310	2.63	0.26	2.89	≤11.00	PASS
11AC80SISO	Ant1	5290	-0.93	0.63	-0.30	≤11.00	PASS

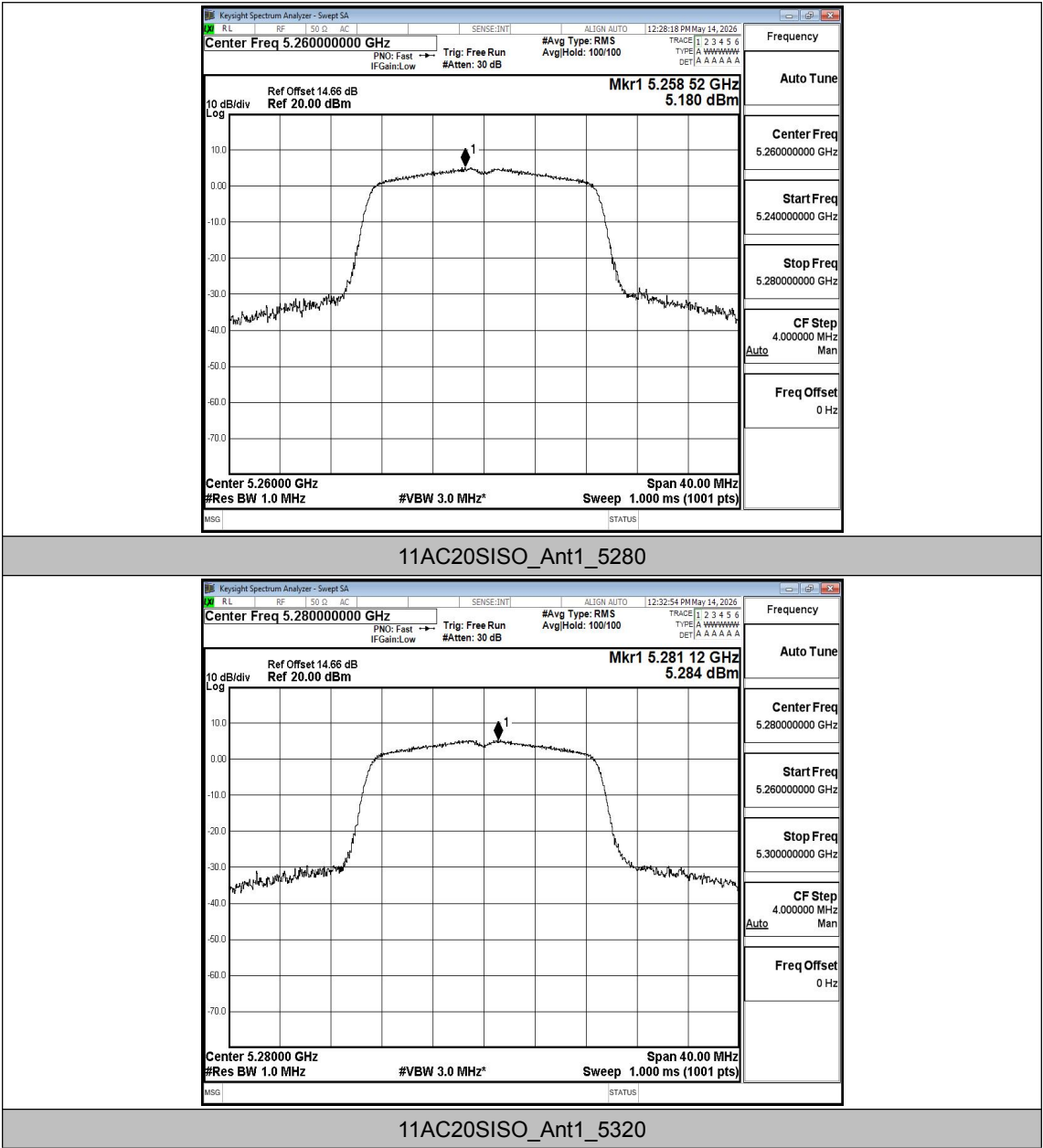
Test Graphs

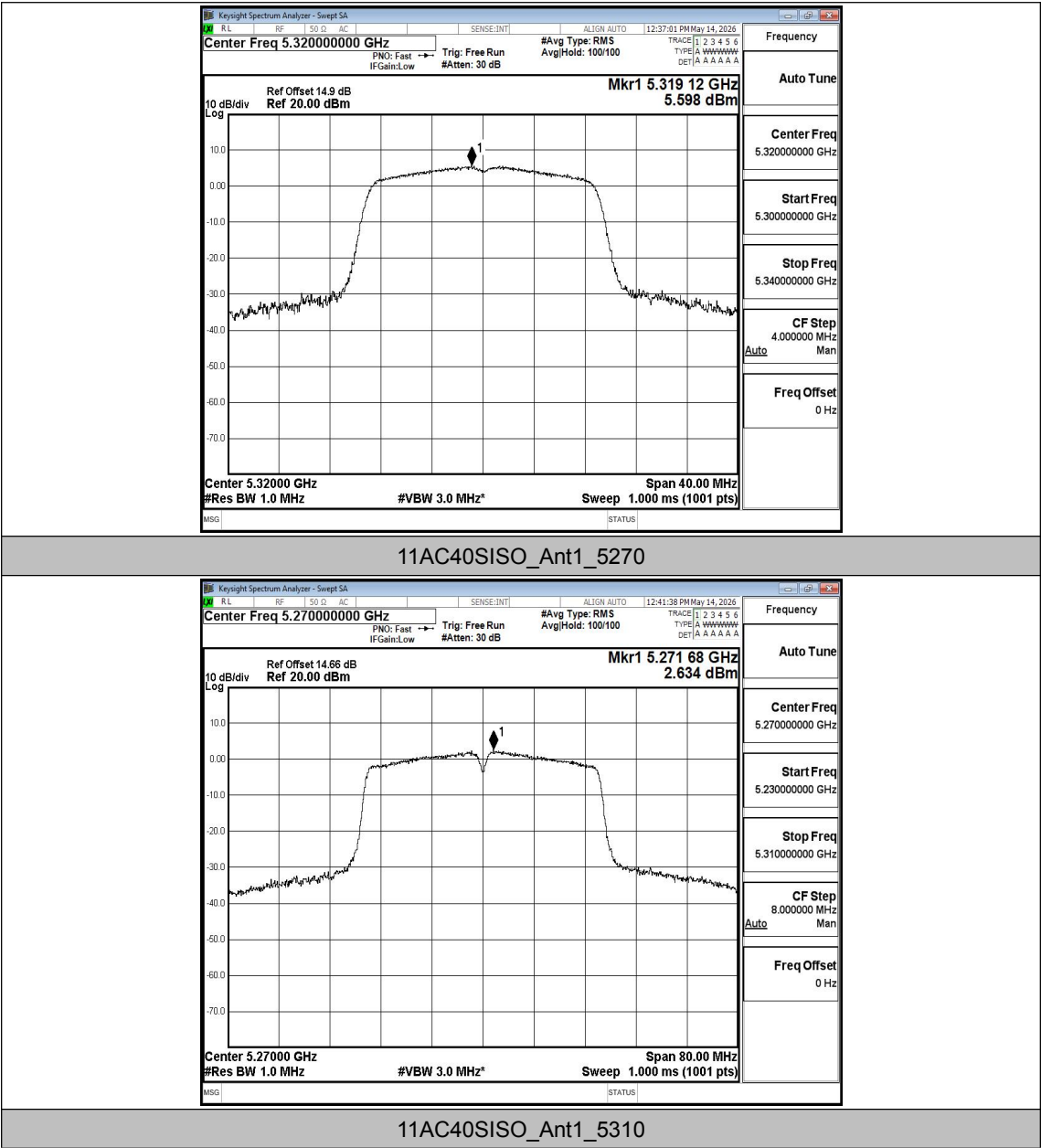


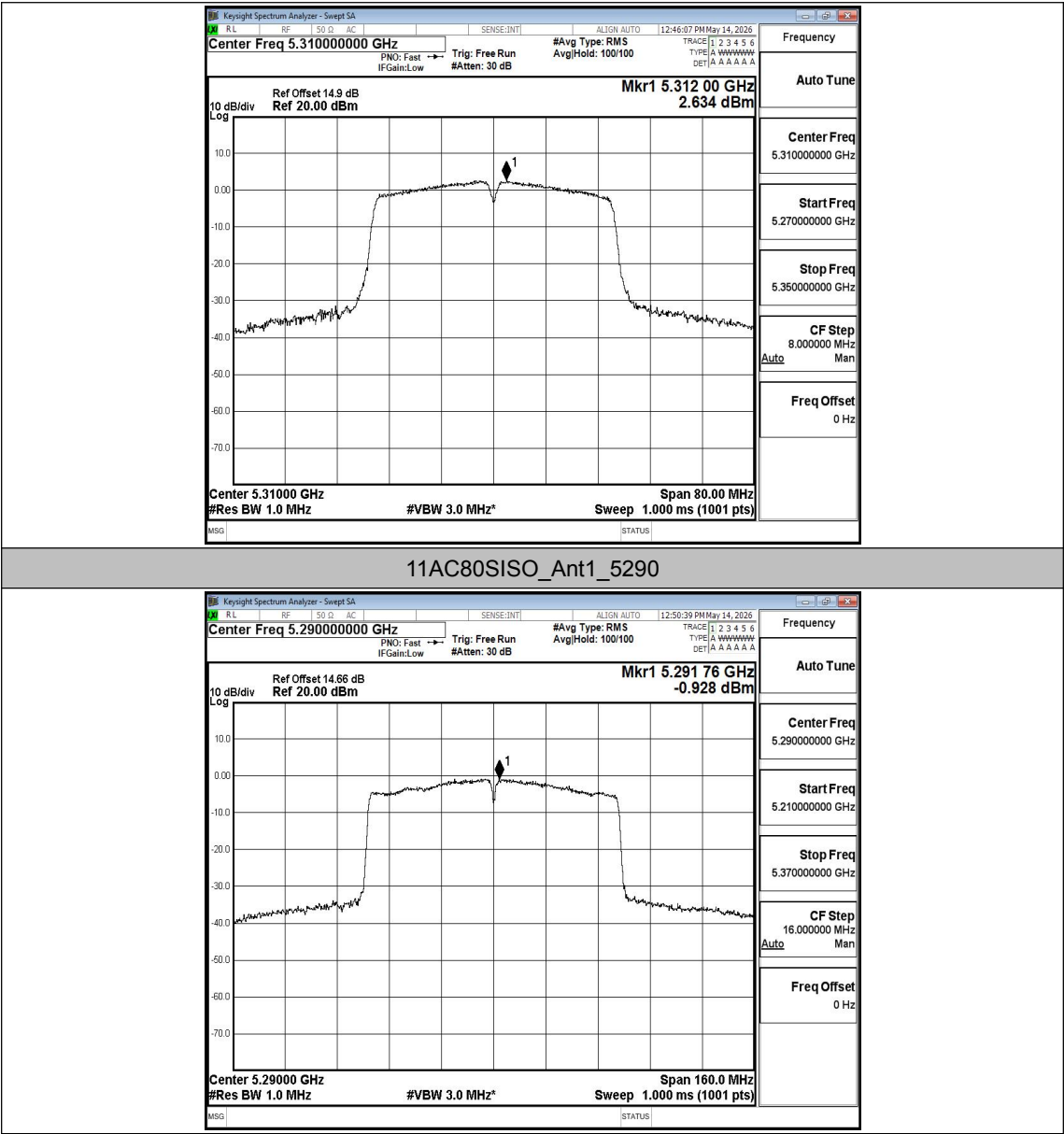












E.4 Emissions in Restricted Bands

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	-56.63	≤-44.13	2.78	0.15	41.50	≤54	PASS
				AV	5139.110	-53	≤-44.13	2.78	0.15	45.13	≤54	PASS
				AV	5150.000	-53.62	≤-44.13	2.78	0.15	44.51	≤54	PASS
				Peak	4500.000	-48.54	≤-29.78	2.78	0.00	49.44	≤68.2	PASS
				Peak	5097.240	-42.81	≤-29.78	2.78	0.00	55.17	≤68.2	PASS
				Peak	5150.000	-46	≤-29.78	2.78	0.00	51.98	≤68.2	PASS
		High	5320	AV	5350.000	-46.38	≤-44.13	2.78	0.15	51.75	≤54	PASS
				AV	5351.040	-45.28	≤-44.13	2.78	0.15	52.85	≤54	PASS
				AV	5460.000	-54.36	≤-44.13	2.78	0.15	43.77	≤54	PASS
				Peak	5350.000	-31.16	≤-29.78	2.78	0.00	66.82	≤68.2	PASS
				Peak	5350.080	-31.16	≤-29.78	2.78	0.00	66.82	≤68.2	PASS
				Peak	5460.000	-47.31	≤-29.78	2.78	0.00	50.67	≤68.2	PASS
11N20SISO	Ant1	Low	5260	AV	4500.000	-56.86	≤-44.14	2.78	0.16	41.28	≤54	PASS
				AV	5094.080	-53.07	≤-44.14	2.78	0.16	45.07	≤54	PASS
				AV	5150.000	-53.01	≤-44.14	2.78	0.16	45.13	≤54	PASS
				Peak	4500.000	-47.05	≤-29.78	2.78	0.00	50.93	≤68.2	PASS
				Peak	5091.710	-42.82	≤-29.78	2.78	0.00	55.16	≤68.2	PASS
				Peak	5150.000	-43.97	≤-29.78	2.78	0.00	54.01	≤68.2	PASS
		High	5320	AV	5350.000	-51.1	≤-44.14	2.78	0.16	47.04	≤54	PASS
				AV	5357.440	-49.2	≤-44.14	2.78	0.16	48.94	≤54	PASS
				AV	5460.000	-54.35	≤-44.14	2.78	0.16	43.79	≤54	PASS
				Peak	5350.000	-42.33	≤-29.78	2.78	0.00	55.65	≤68.2	PASS
				Peak	5353.440	-30.14	≤-29.78	2.78	0.00	67.84	≤68.2	PASS
				Peak	5460.000	-45.92	≤-29.78	2.78	0.00	52.06	≤68.2	PASS
11N40SISO	Ant1	Low	5270	AV	4500.000	-56.57	≤-44.24	2.78	0.26	41.67	≤54	PASS
				AV	5097.240	-52.96	≤-44.24	2.78	0.26	45.28	≤54	PASS
				AV	5150.000	-53.6	≤-44.24	2.78	0.26	44.64	≤54	PASS
				Peak	4500.000	-48.29	≤-29.78	2.78	0.00	49.69	≤68.2	PASS
				Peak	5041.940	-43.11	≤-29.78	2.78	0.00	54.87	≤68.2	PASS
				Peak	5150.000	-44.83	≤-29.78	2.78	0.00	53.15	≤68.2	PASS
		High	5310	AV	5350.000	-52.55	≤-44.31	2.78	0.33	45.76	≤54	PASS
				AV	5353.280	-52.28	≤-44.31	2.78	0.33	46.03	≤54	PASS
				AV	5460.000	-55.05	≤-44.31	2.78	0.33	43.26	≤54	PASS
				Peak	5350.000	-42.66	≤-29.78	2.78	0.00	55.32	≤68.2	PASS

11AC20SISO	Ant1	Low	5260	Peak	5358.400	-41.59	≤-29.78	2.78	0.00	56.39	≤68.2	PASS
				Peak	5460.000	-46.28	≤-29.78	2.78	0.00	51.70	≤68.2	PASS
				AV	4500.000	-57.04	≤-44.14	2.78	0.16	41.10	≤54	PASS
				AV	5147.800	-52.67	≤-44.14	2.78	0.16	45.47	≤54	PASS
				AV	5150.000	-53.38	≤-44.14	2.78	0.16	44.76	≤54	PASS
				Peak	4500.000	-47.24	≤-29.78	2.78	0.00	50.74	≤68.2	PASS
		High	5320	Peak	5143.060	-42.35	≤-29.78	2.78	0.00	55.63	≤68.2	PASS
				Peak	5150.000	-45.52	≤-29.78	2.78	0.00	52.46	≤68.2	PASS
				AV	5350.000	-53.05	≤-44.11	2.78	0.13	45.06	≤54	PASS
				AV	5352.800	-52.85	≤-44.11	2.78	0.13	45.26	≤54	PASS
				AV	5460.000	-55.04	≤-44.11	2.78	0.13	43.07	≤54	PASS
				Peak	5350.000	-45.3	≤-29.78	2.78	0.00	52.68	≤68.2	PASS
11AC40SISO	Ant1	Low	5270	Peak	5350.240	-42.96	≤-29.78	2.78	0.00	55.02	≤68.2	PASS
				Peak	5460.000	-45.92	≤-29.78	2.78	0.00	52.06	≤68.2	PASS
				AV	4500.000	-56.68	≤-44.24	2.78	0.26	41.56	≤54	PASS
				AV	5139.900	-52.73	≤-44.24	2.78	0.26	45.51	≤54	PASS
				AV	5150.000	-52.97	≤-44.24	2.78	0.26	45.27	≤54	PASS
				Peak	4500.000	-48.85	≤-29.78	2.78	0.00	49.13	≤68.2	PASS
		High	5310	Peak	5143.850	-42.27	≤-29.78	2.78	0.00	55.71	≤68.2	PASS
				Peak	5150.000	-45.51	≤-29.78	2.78	0.00	52.47	≤68.2	PASS
				AV	5350.000	-47.45	≤-44.24	2.78	0.26	50.79	≤54	PASS
				AV	5350.400	-47.42	≤-44.24	2.78	0.26	50.82	≤54	PASS
				AV	5460.000	-54.33	≤-44.24	2.78	0.26	43.91	≤54	PASS
				Peak	5350.000	-39.82	≤-29.78	2.78	0.00	58.16	≤68.2	PASS
11AC80SISO	Ant1	Low	5290	Peak	5351.520	-32.18	≤-29.78	2.78	0.00	65.80	≤68.2	PASS
				Peak	5460.000	-45.21	≤-29.78	2.78	0.00	52.77	≤68.2	PASS
				AV	4500.000	-56.68	≤-44.61	2.78	0.63	41.93	≤54	PASS
				AV	5148.800	-51.72	≤-44.61	2.78	0.63	46.89	≤54	PASS
				AV	5150.000	-51.71	≤-44.61	2.78	0.63	46.90	≤54	PASS
				Peak	4500.000	-48.17	≤-29.78	2.78	0.00	49.81	≤68.2	PASS
		High	5290	Peak	5123.200	-42.05	≤-29.78	2.78	0.00	55.93	≤68.2	PASS
				Peak	5150.000	-43.85	≤-29.78	2.78	0.00	54.13	≤68.2	PASS
				AV	5350.000	-51.07	≤-44.61	2.78	0.63	47.54	≤54	PASS
				AV	5350.200	-50.2	≤-44.61	2.78	0.63	48.41	≤54	PASS
				AV	5460.000	-55.78	≤-44.61	2.78	0.63	42.83	≤54	PASS
				Peak	5350.000	-41.98	≤-29.78	2.78	0.00	56.00	≤68.2	PASS
				Peak	5362.600	-39.83	≤-29.78	2.78	0.00	58.15	≤68.2	PASS
				Peak	5460.000	-46.91	≤-29.78	2.78	0.00	51.07	≤68.2	PASS

Note:

1. The Antenna Gain is compensated in the graph.

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Test Graphs

