

Appendix E

RF Test Data for 5.3GWIFI(Conducted Measurement)

Product Name: Tablet

Test Model: PAD_ T13

Environmental Conditions

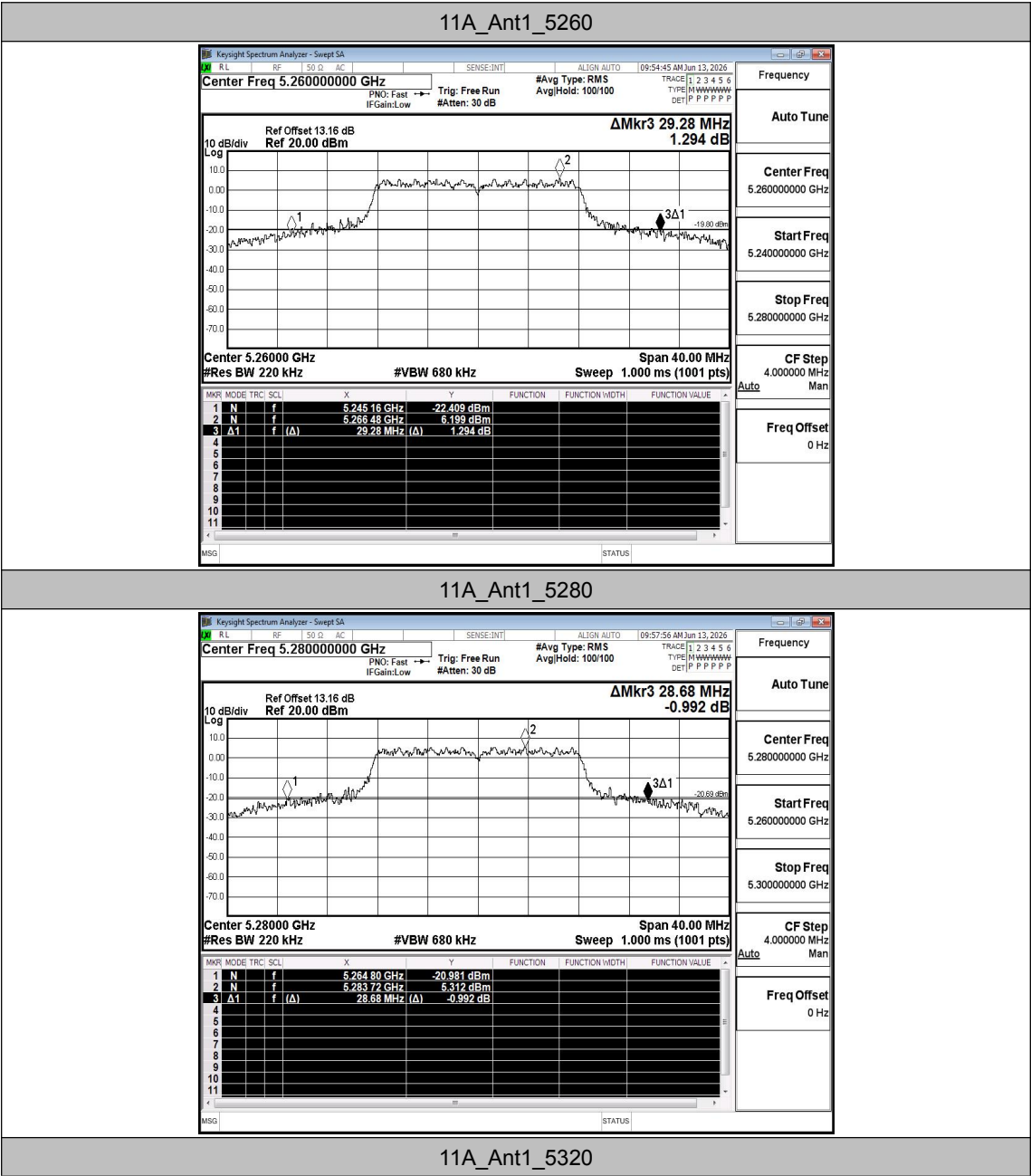
Temperature:	24.2°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

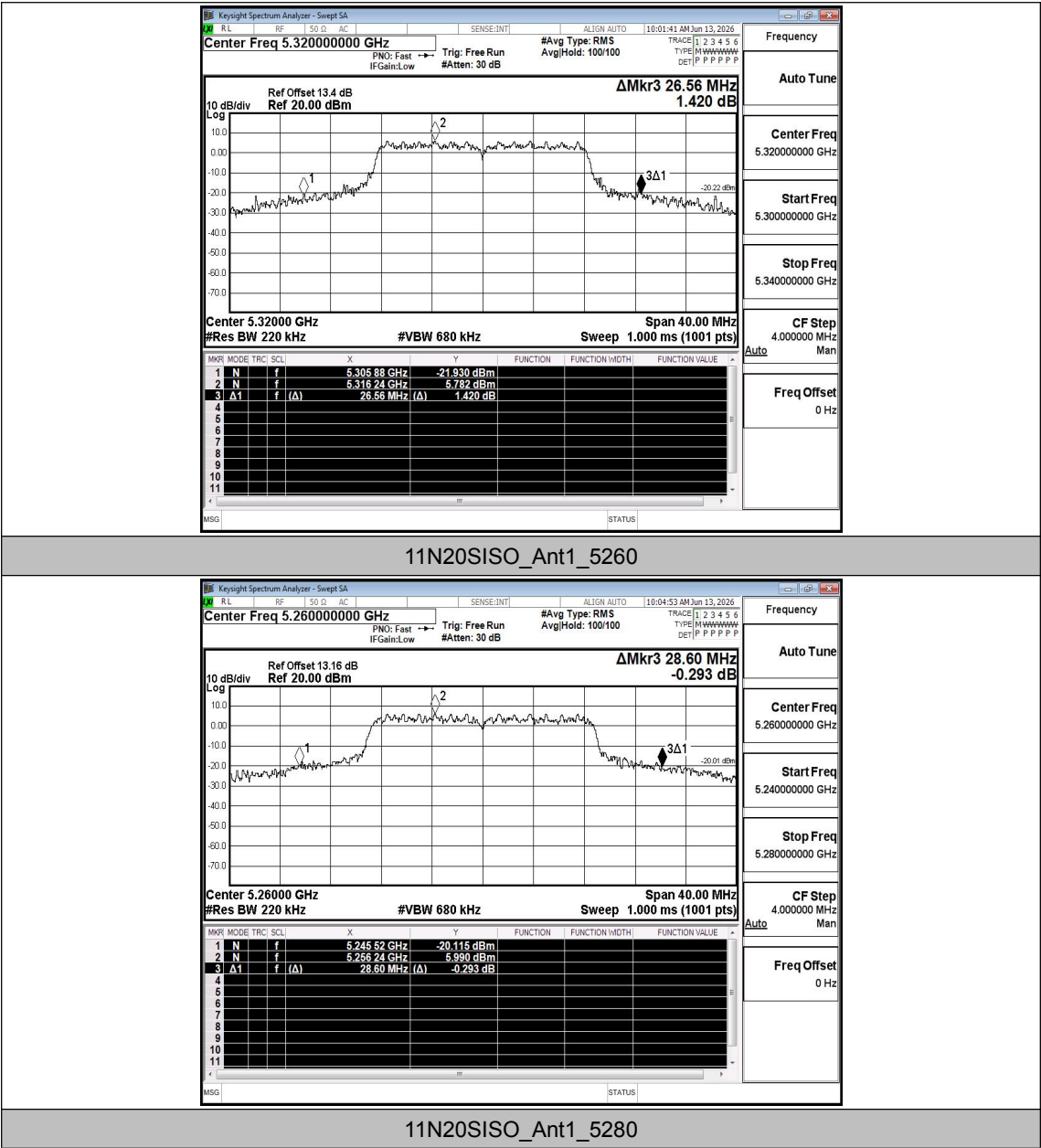
E.1 Emission Bandwidth

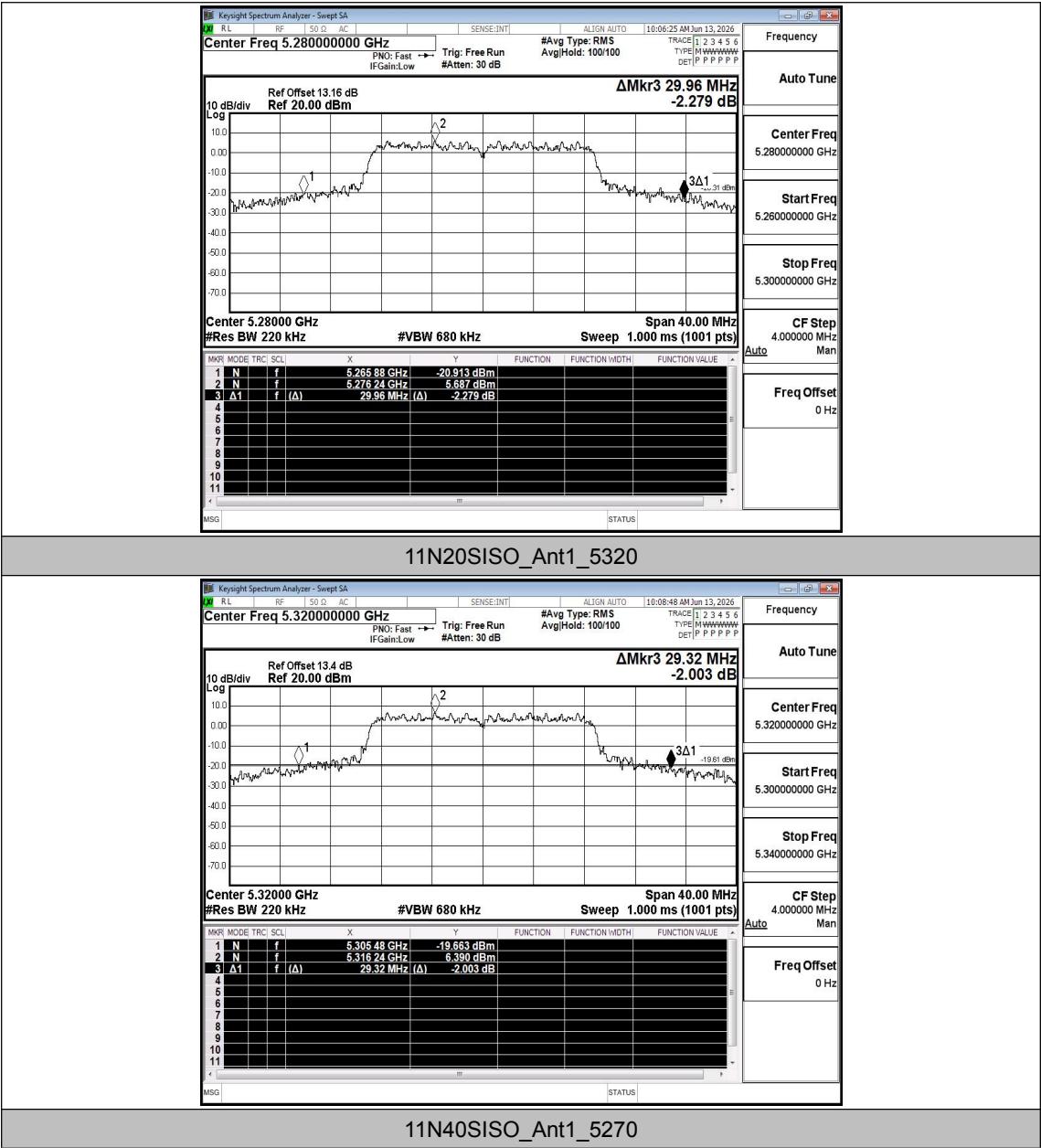
Test Result

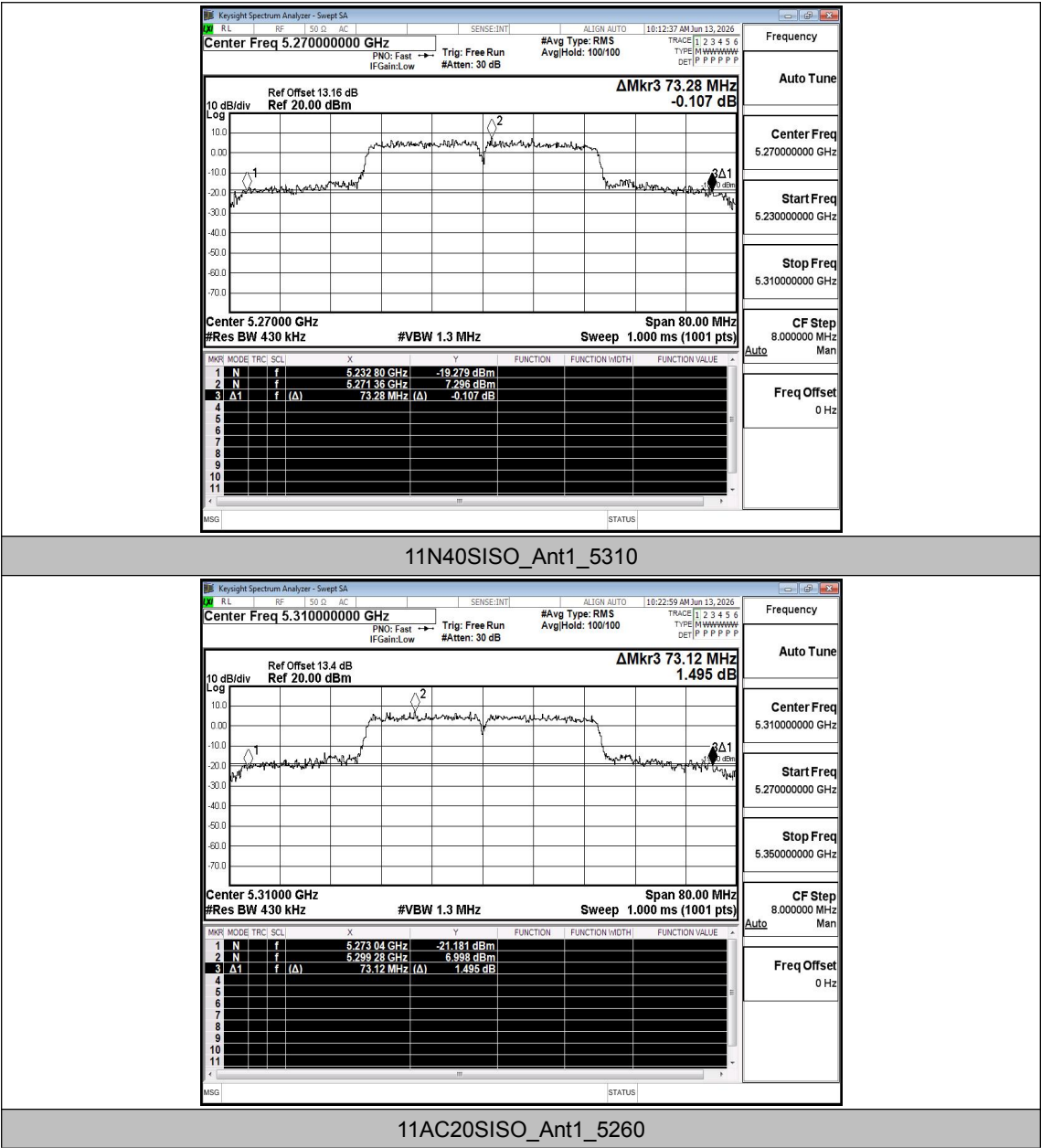
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	29.280	5245.160	5274.440	---	---
		5280	28.680	5264.800	5293.480	---	---
		5320	26.560	5305.880	5332.440	---	---
11N20SISO	Ant1	5260	28.600	5245.520	5274.120	---	---
		5280	29.960	5265.880	5295.840	---	---
		5320	29.320	5305.480	5334.800	---	---
11N40SISO	Ant1	5270	73.280	5232.800	5306.080	---	---
		5310	73.120	5273.040	5346.160	---	---
11AC20SISO	Ant1	5260	33.840	5243.400	5277.240	---	---
		5280	32.920	5263.880	5296.800	---	---
		5320	29.800	5305.200	5335.000	---	---
11AC40SISO	Ant1	5270	57.200	5242.560	5299.760	---	---
		5310	68.800	5276.240	5345.040	---	---
11AC80SISO	Ant1	5290	130.720	5221.680	5352.400	---	---

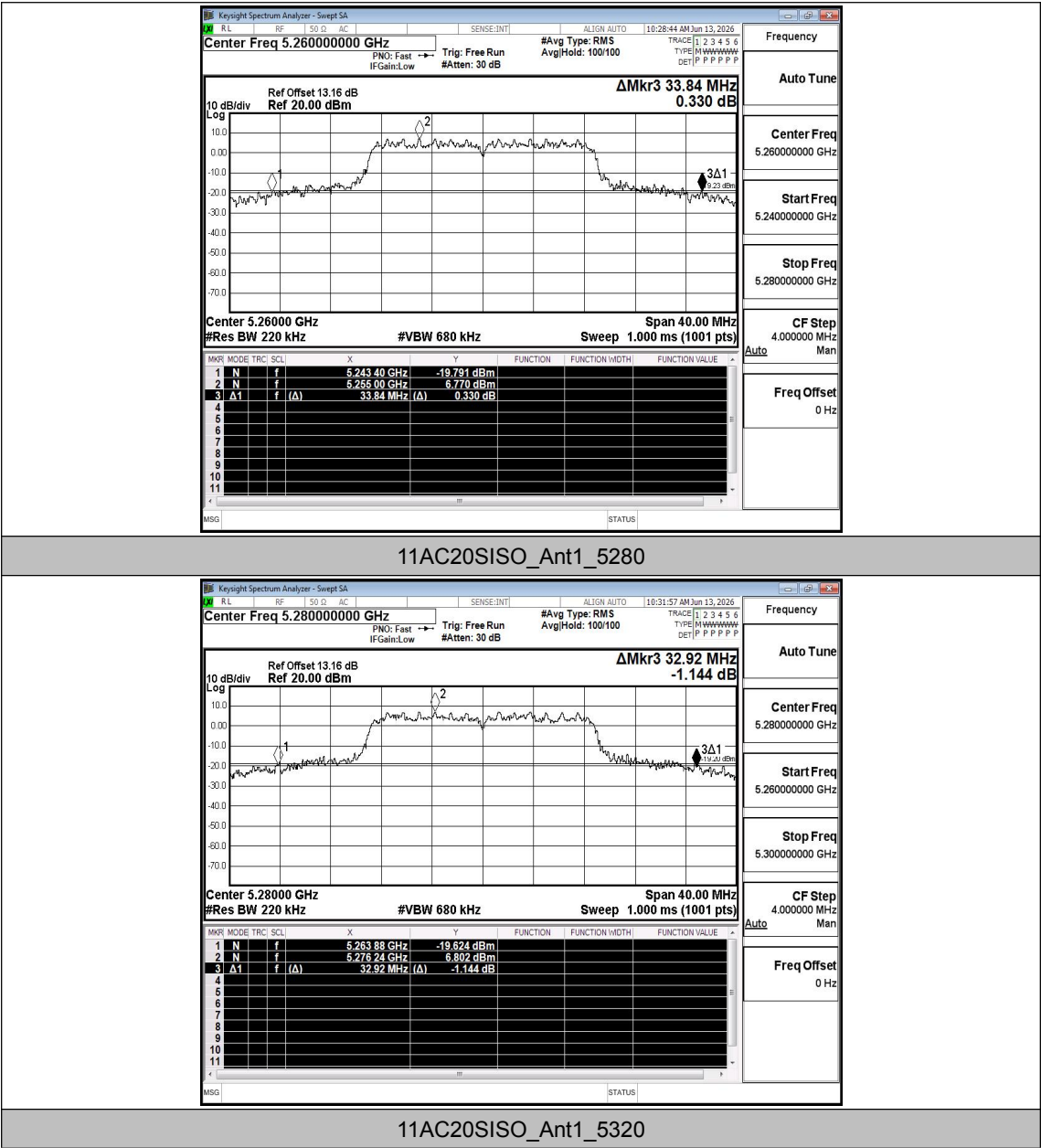
Test Graphs



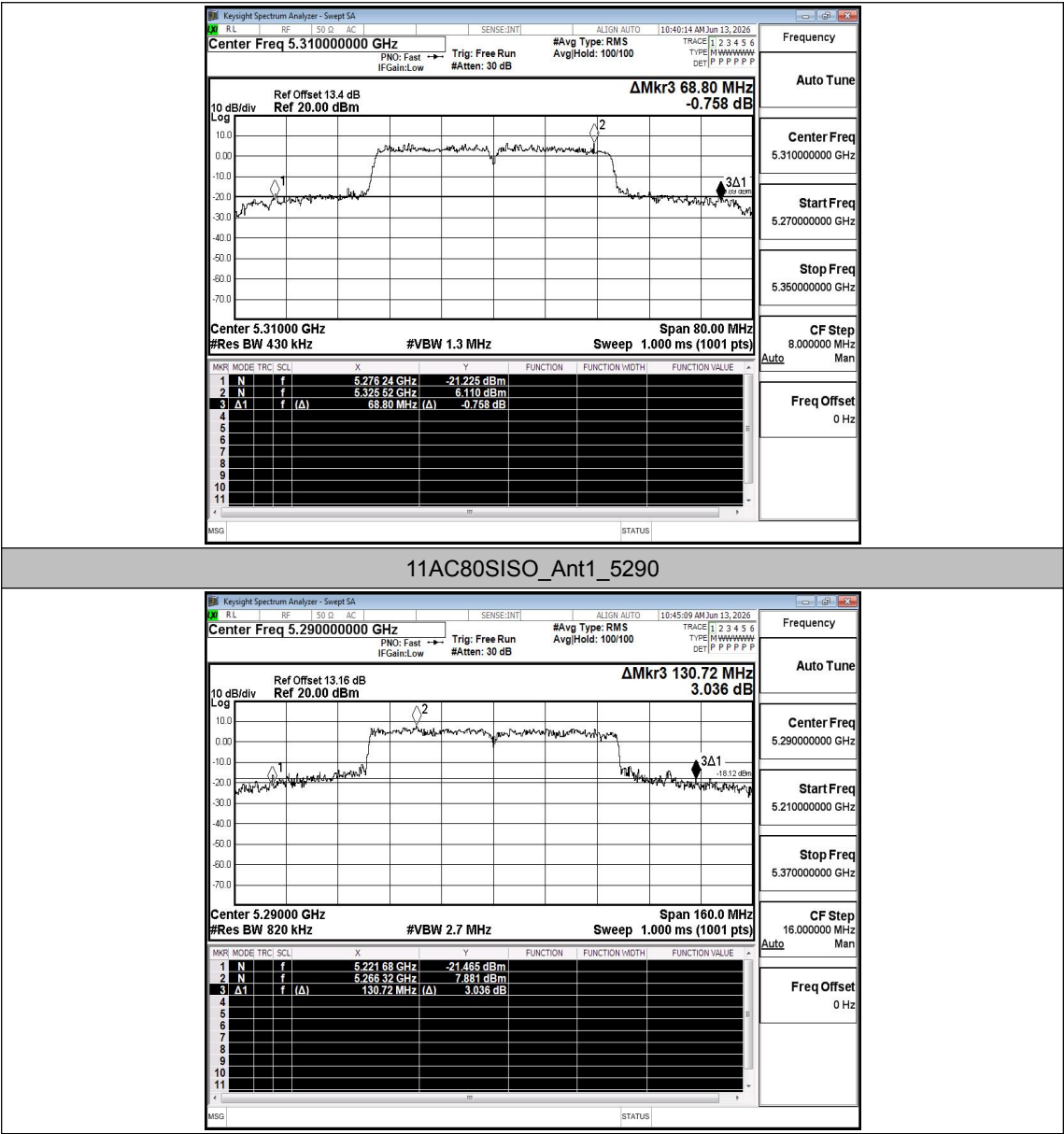












E.2 Maximum conducted output power

Test Result Channel Power

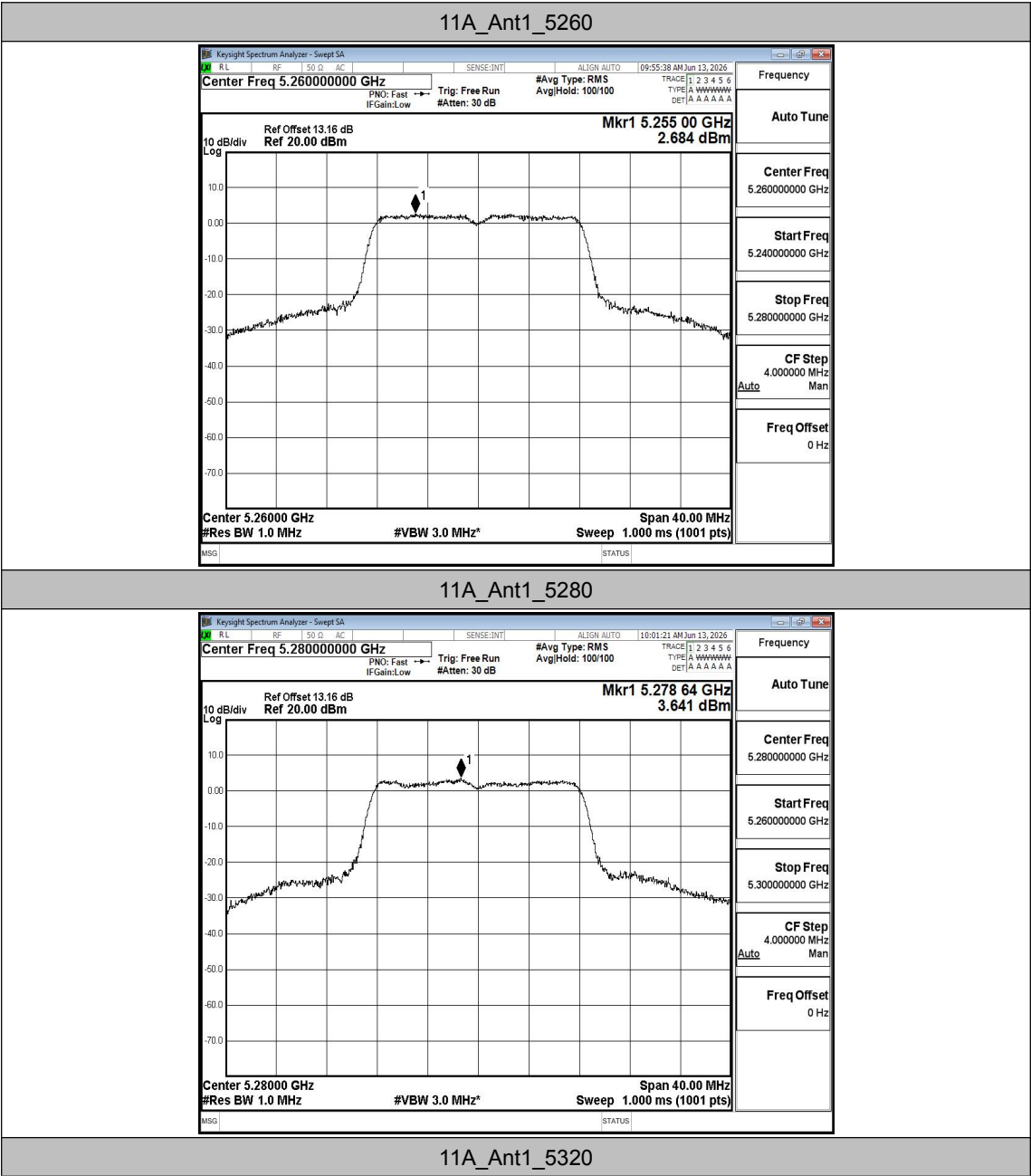
Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	NA	14.91	2.37	17.28	≤23.98	PASS
		5280	NA	14.88	2.14	17.02	≤23.98	PASS
		5320	NA	14.72	2.81	17.53	≤23.98	PASS
11N20SISO	Ant1	5260	NA	14.90	2.60	17.50	≤23.98	PASS
		5280	NA	15.53	2.00	17.53	≤23.98	PASS
		5320	NA	15.32	2.00	17.32	≤23.98	PASS
11N40SISO	Ant1	5270	NA	14.94	3.27	18.21	≤23.98	PASS
		5310	NA	14.92	3.01	17.93	≤23.98	PASS
11AC20SISO	Ant1	5260	NA	15.95	2.83	18.78	≤23.98	PASS
		5280	NA	15.70	2.00	17.70	≤23.98	PASS
		5320	NA	15.59	2.00	17.59	≤23.98	PASS
11AC40SISO	Ant1	5270	NA	14.49	4.39	18.88	≤23.98	PASS
		5310	NA	14.40	3.01	17.41	≤23.98	PASS
11AC80SISO	Ant1	5290	NA	14.64	3.36	18.00	≤23.98	PASS

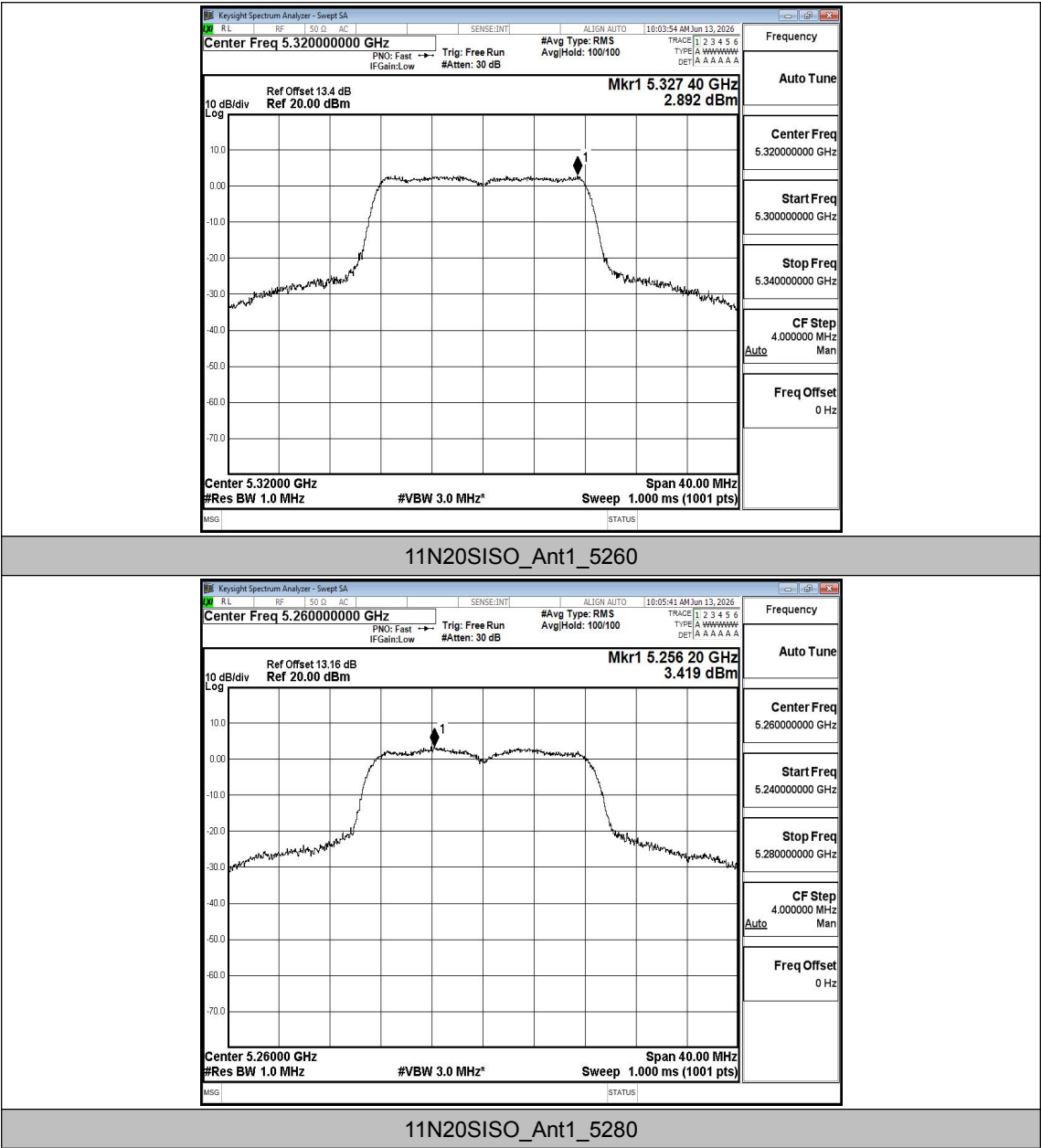
E.3 Maximum power spectral density

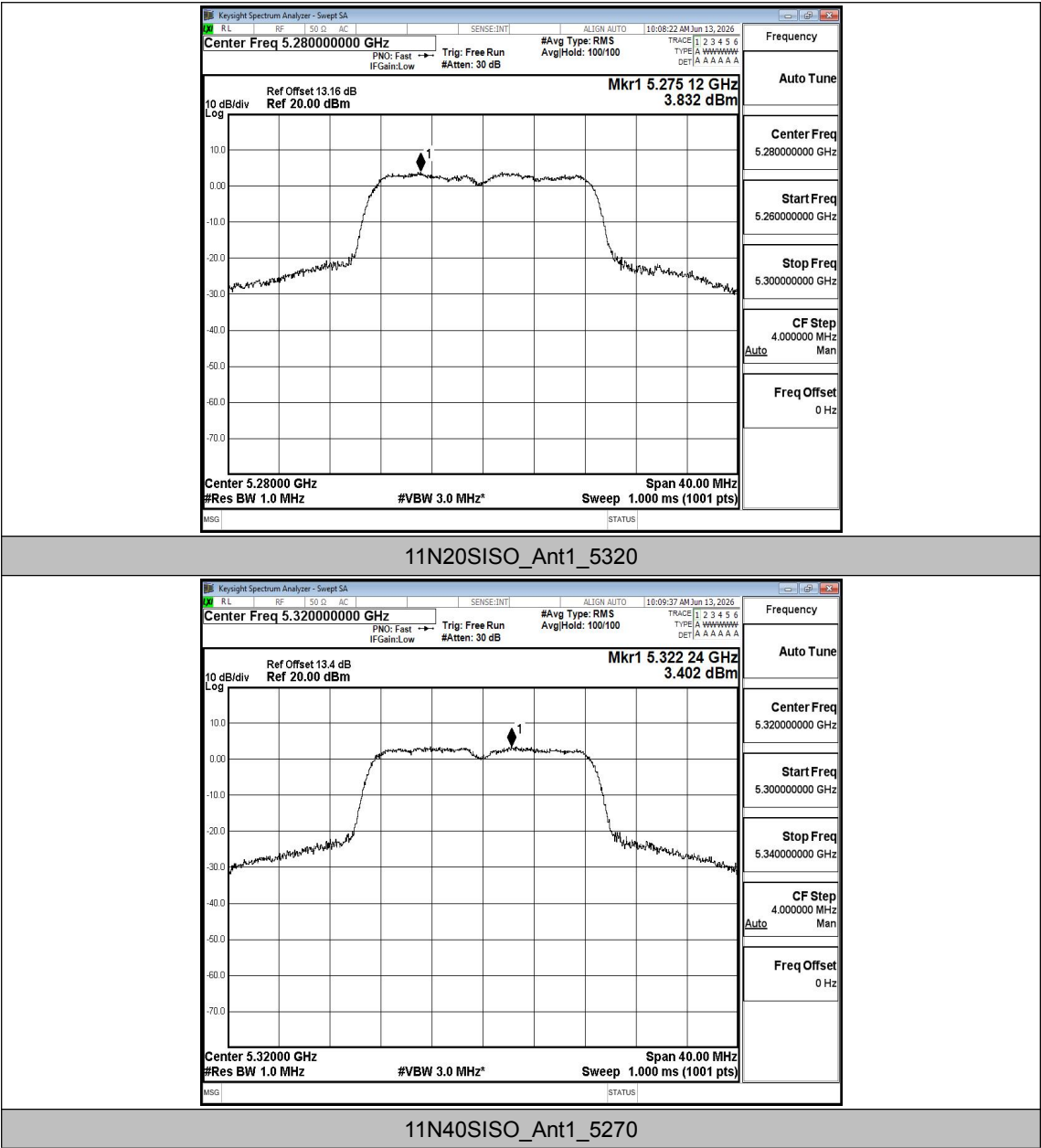
Test Result

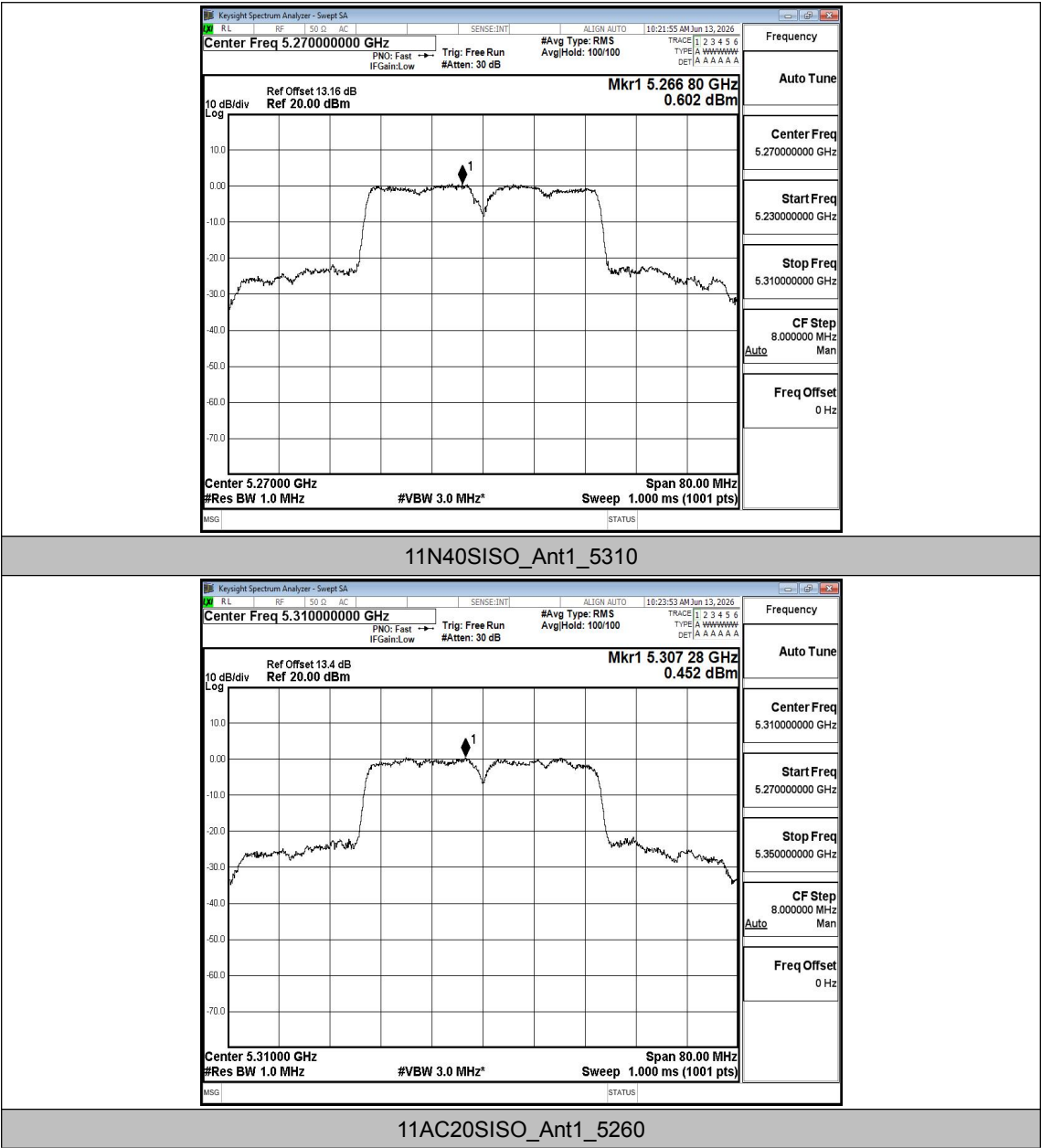
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5260	2.68	2.37	5.05	≤11.00	PASS
		5280	3.64	2.14	5.78	≤11.00	PASS
		5320	2.89	2.81	5.70	≤11.00	PASS
11N20SISO	Ant1	5260	3.42	2.60	6.02	≤11.00	PASS
		5280	3.83	2.00	5.83	≤11.00	PASS
		5320	3.4	2.00	5.40	≤11.00	PASS
11N40SISO	Ant1	5270	0.6	3.27	3.87	≤11.00	PASS
		5310	0.45	3.01	3.46	≤11.00	PASS
11AC20SISO	Ant1	5260	3.82	2.83	6.65	≤11.00	PASS
		5280	4.21	2.00	6.21	≤11.00	PASS
		5320	4.24	2.00	6.24	≤11.00	PASS
11AC40SISO	Ant1	5270	-1.8	4.39	2.59	≤11.00	PASS
		5310	0.66	3.01	3.67	≤11.00	PASS
11AC80SISO	Ant1	5290	-1.8	3.36	1.56	≤11.00	PASS

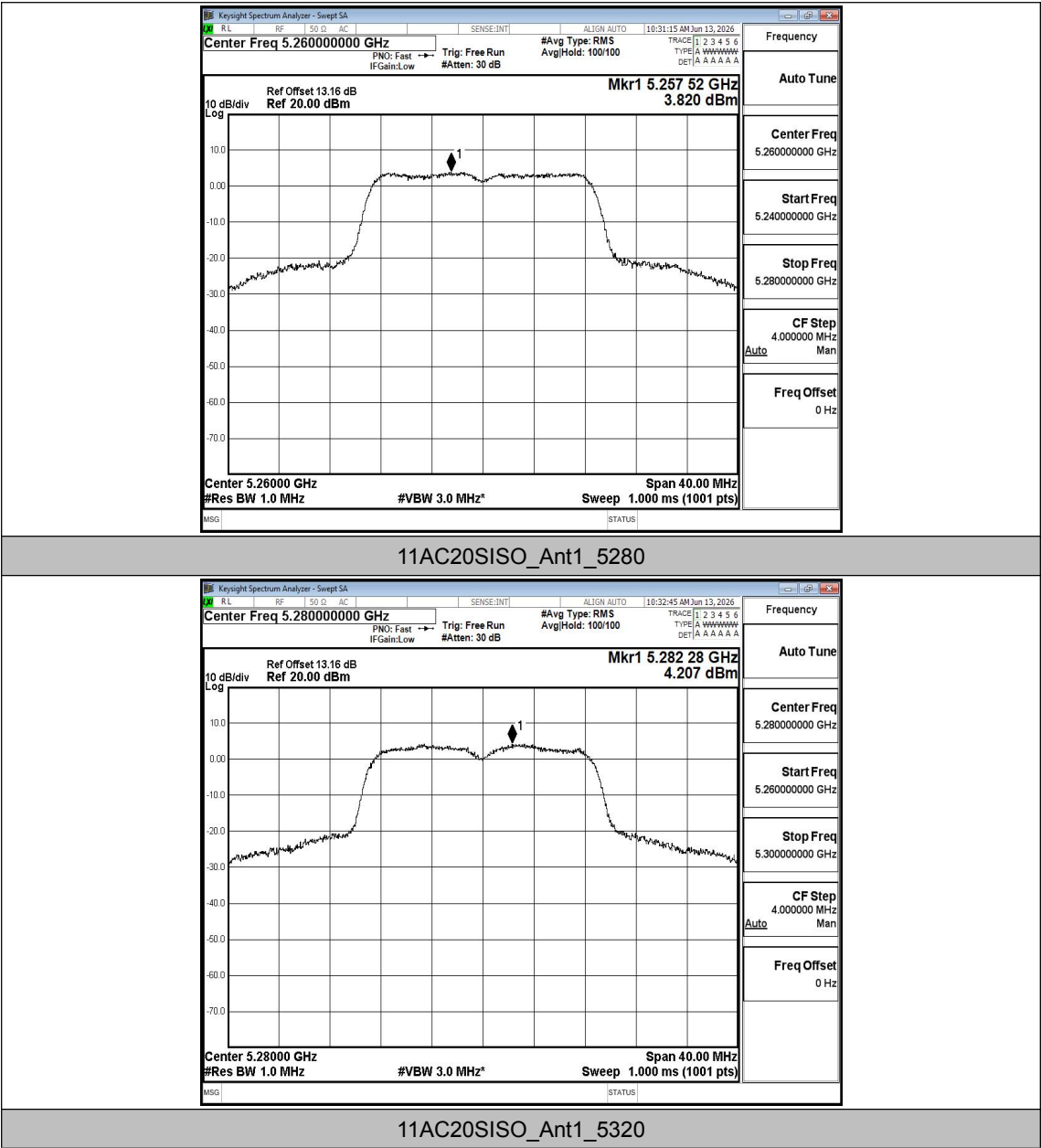
Test Graphs

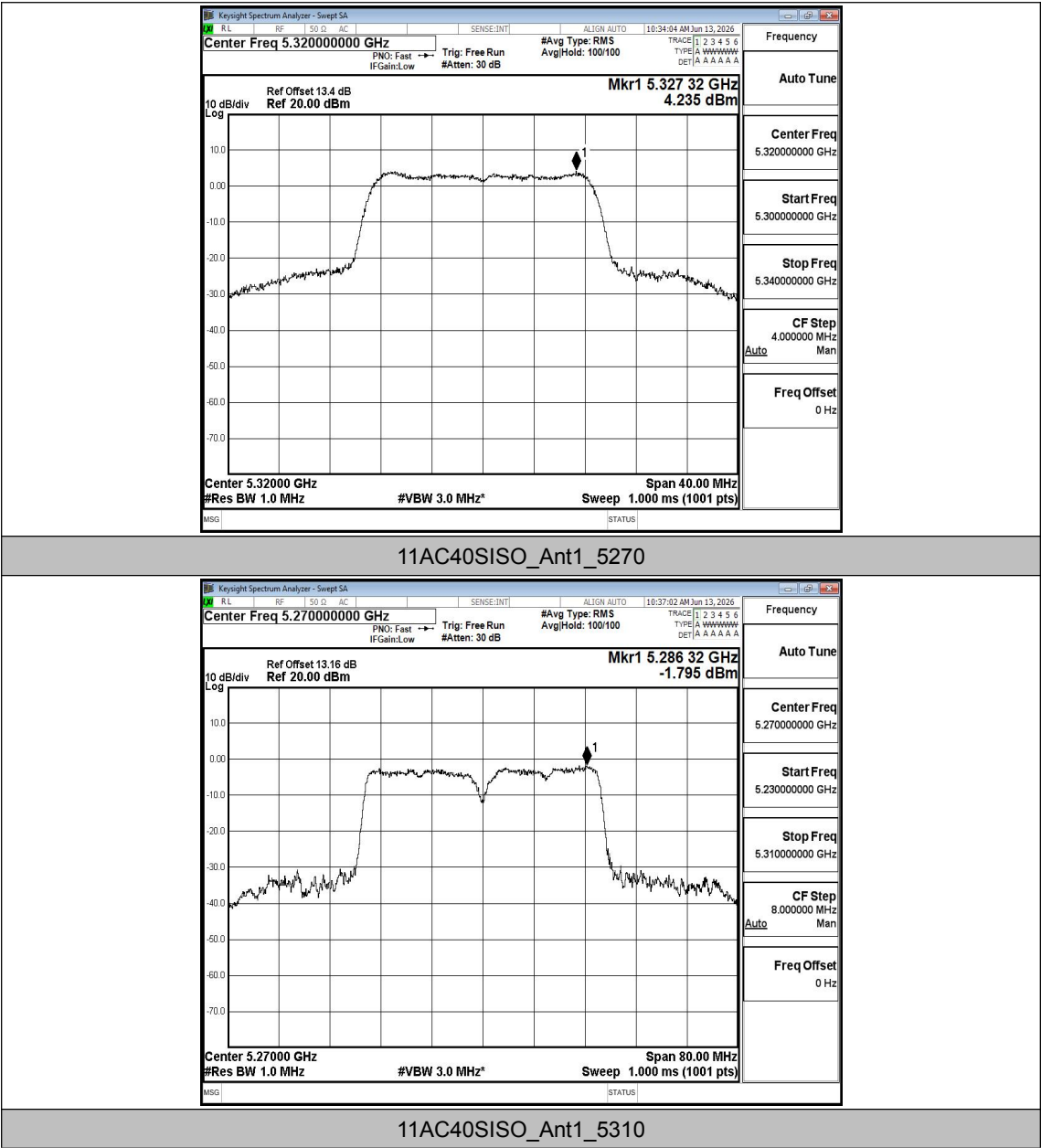


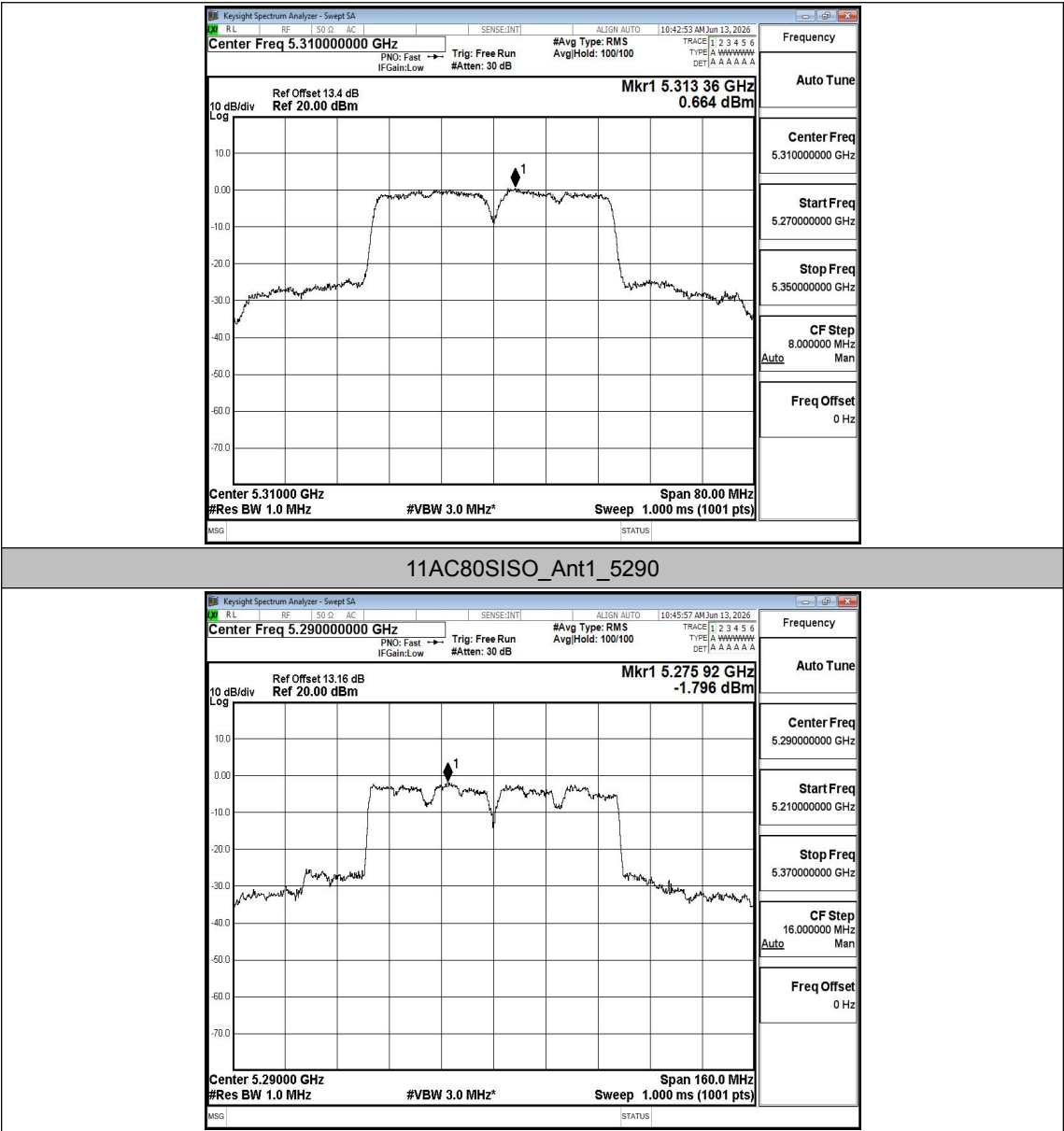












E.4 Emissions in Restricted Bands

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	-58.21	≤-45.57	2.00	2.37	41.36	≤54	PASS
				AV	5148.590	-55.37	≤-45.57	2.00	2.37	44.20	≤54	PASS
				AV	5150.000	-55.68	≤-45.57	2.00	2.37	43.89	≤54	PASS
				Peak	4500.000	-49.71	≤-29.00	2.00	0.00	47.49	≤68.2	PASS
				Peak	5146.220	-44.57	≤-29.00	2.00	0.00	52.63	≤68.2	PASS
				Peak	5150.000	-46.89	≤-29.00	2.00	0.00	50.31	≤68.2	PASS
		High	5320	AV	5350.000	-51.03	≤-46.01	2.00	2.81	48.98	≤54	PASS
				AV	5351.200	-49.98	≤-46.01	2.00	2.81	50.03	≤54	PASS
				AV	5460.000	-57.29	≤-46.01	2.00	2.81	42.72	≤54	PASS
				Peak	5350.000	-33.98	≤-29.00	2.00	0.00	63.22	≤68.2	PASS
				Peak	5350.240	-33.66	≤-29.00	2.00	0.00	63.54	≤68.2	PASS
				Peak	5460.000	-47.8	≤-29.00	2.00	0.00	49.40	≤68.2	PASS
11N20SISO	Ant1	Low	5260	AV	4500.000	-57.67	≤-45.80	2.00	2.60	42.13	≤54	PASS
				AV	5145.430	-55.03	≤-45.80	2.00	2.60	44.77	≤54	PASS
				AV	5150.000	-55.68	≤-45.80	2.00	2.60	44.12	≤54	PASS
				Peak	4500.000	-49.17	≤-29.00	2.00	0.00	48.03	≤68.2	PASS
				Peak	5114.620	-44.1	≤-29.00	2.00	0.00	53.10	≤68.2	PASS
				Peak	5150.000	-47.56	≤-29.00	2.00	0.00	49.64	≤68.2	PASS
		High	5320	AV	5350.000	-48.66	≤-45.20	2.00	2.00	50.54	≤54	PASS
				AV	5350.560	-47.95	≤-45.20	2.00	2.00	51.25	≤54	PASS
				AV	5460.000	-57.03	≤-45.20	2.00	2.00	42.17	≤54	PASS
				Peak	5350.000	-33.61	≤-29.00	2.00	0.00	63.59	≤68.2	PASS
				Peak	5352.640	-32.55	≤-29.00	2.00	0.00	64.65	≤68.2	PASS
				Peak	5460.000	-47.73	≤-29.00	2.00	0.00	49.47	≤68.2	PASS
11N40SISO	Ant1	Low	5270	AV	4500.000	-61.98	≤-46.47	2.00	3.27	38.49	≤54	PASS
				AV	4805.730	-56.52	≤-46.47	2.00	3.27	43.95	≤54	PASS
				AV	5150.000	-58.56	≤-46.47	2.00	3.27	41.91	≤54	PASS
				Peak	4500.000	-53.84	≤-29.00	2.00	0.00	43.36	≤68.2	PASS
				Peak	5030.090	-44.67	≤-29.00	2.00	0.00	52.53	≤68.2	PASS
				Peak	5150.000	-49.55	≤-29.00	2.00	0.00	47.65	≤68.2	PASS
		High	5310	AV	5350.000	-54.85	≤-46.21	2.00	3.01	45.36	≤54	PASS
				AV	5351.360	-52.97	≤-46.21	2.00	3.01	47.24	≤54	PASS
				AV	5460.000	-67.08	≤-46.21	2.00	3.01	33.13	≤54	PASS
				Peak	5350.000	-37.66	≤-29.00	2.00	0.00	59.54	≤68.2	PASS

				Peak	5350.080	-37.66	≤-29.00	2.00	0.00	59.54	≤68.2	PASS
				Peak	5460.000	-60.09	≤-29.00	2.00	0.00	37.11	≤68.2	PASS
11AC20SISO	Ant1	Low	5260	AV	4500.000	-62.31	≤-46.03	2.00	2.83	37.72	≤54	PASS
				AV	5138.320	-58.35	≤-46.03	2.00	2.83	41.68	≤54	PASS
				AV	5150.000	-59.07	≤-46.03	2.00	2.83	40.96	≤54	PASS
				Peak	4500.000	-53.47	≤-29.00	2.00	0.00	43.73	≤68.2	PASS
				Peak	5022.190	-46.8	≤-29.00	2.00	0.00	50.40	≤68.2	PASS
				Peak	5150.000	-49.23	≤-29.00	2.00	0.00	47.97	≤68.2	PASS
		High	5320	AV	5350.000	-50.53	≤-45.20	2.00	2.00	48.67	≤54	PASS
				AV	5350.560	-49.86	≤-45.20	2.00	2.00	49.34	≤54	PASS
				AV	5460.000	-61.29	≤-45.20	2.00	2.00	37.91	≤54	PASS
				Peak	5350.000	-37.03	≤-29.00	2.00	0.00	60.17	≤68.2	PASS
				Peak	5350.400	-33.34	≤-29.00	2.00	0.00	63.86	≤68.2	PASS
				Peak	5460.000	-53.99	≤-29.00	2.00	0.00	43.21	≤68.2	PASS
11AC40SISO	Ant1	Low	5270	AV	4500.000	-62.26	≤-47.59	2.00	4.39	39.33	≤54	PASS
				AV	4806.520	-57.27	≤-47.59	2.00	4.39	44.32	≤54	PASS
				AV	5150.000	-58.98	≤-47.59	2.00	4.39	42.61	≤54	PASS
				Peak	4500.000	-53.44	≤-29.00	2.00	0.00	43.76	≤68.2	PASS
				Peak	5029.300	-46.5	≤-29.00	2.00	0.00	50.70	≤68.2	PASS
				Peak	5150.000	-50.01	≤-29.00	2.00	0.00	47.19	≤68.2	PASS
		High	5310	AV	5350.000	-48.48	≤-46.21	2.00	3.01	51.73	≤54	PASS
				AV	5350.400	-47.8	≤-46.21	2.00	3.01	52.41	≤54	PASS
				AV	5460.000	-60.93	≤-46.21	2.00	3.01	39.28	≤54	PASS
				Peak	5350.000	-32.17	≤-29.00	2.00	0.00	65.03	≤68.2	PASS
				Peak	5350.080	-32.16	≤-29.00	2.00	0.00	65.04	≤68.2	PASS
				Peak	5460.000	-52.92	≤-29.00	2.00	0.00	44.28	≤68.2	PASS
11AC80SISO	Ant1	Low	5290	AV	4500.000	-62.55	≤-46.56	2.00	3.36	38.01	≤54	PASS
				AV	5147.200	-53.56	≤-46.56	2.00	3.36	47.00	≤54	PASS
				AV	5150.000	-54.91	≤-46.56	2.00	3.36	45.65	≤54	PASS
				Peak	4500.000	-53.67	≤-29.00	2.00	0.00	43.53	≤68.2	PASS
				Peak	5050.400	-39.46	≤-29.00	2.00	0.00	57.74	≤68.2	PASS
				Peak	5150.000	-41.72	≤-29.00	2.00	0.00	55.48	≤68.2	PASS
		High	5290	AV	5350.000	-51.42	≤-46.56	2.00	3.36	49.14	≤54	PASS
				AV	5460.000	-61.17	≤-46.56	2.00	3.36	39.39	≤54	PASS
				Peak	5350.000	-38.98	≤-29.00	2.00	0.00	58.22	≤68.2	PASS
				Peak	5352.400	-34.35	≤-29.00	2.00	0.00	62.85	≤68.2	PASS
				Peak	5460.000	-52.31	≤-29.00	2.00	0.00	44.89	≤68.2	PASS

Note:

1. The Antenna Gain is compensated in the graph.

Test Graphs

