

Appendix B

RF Test Data for 5.2GWIFI(Conducted Measurement)

Product Name: Network Transport

Test Model: 9000NT

Environmental Conditions

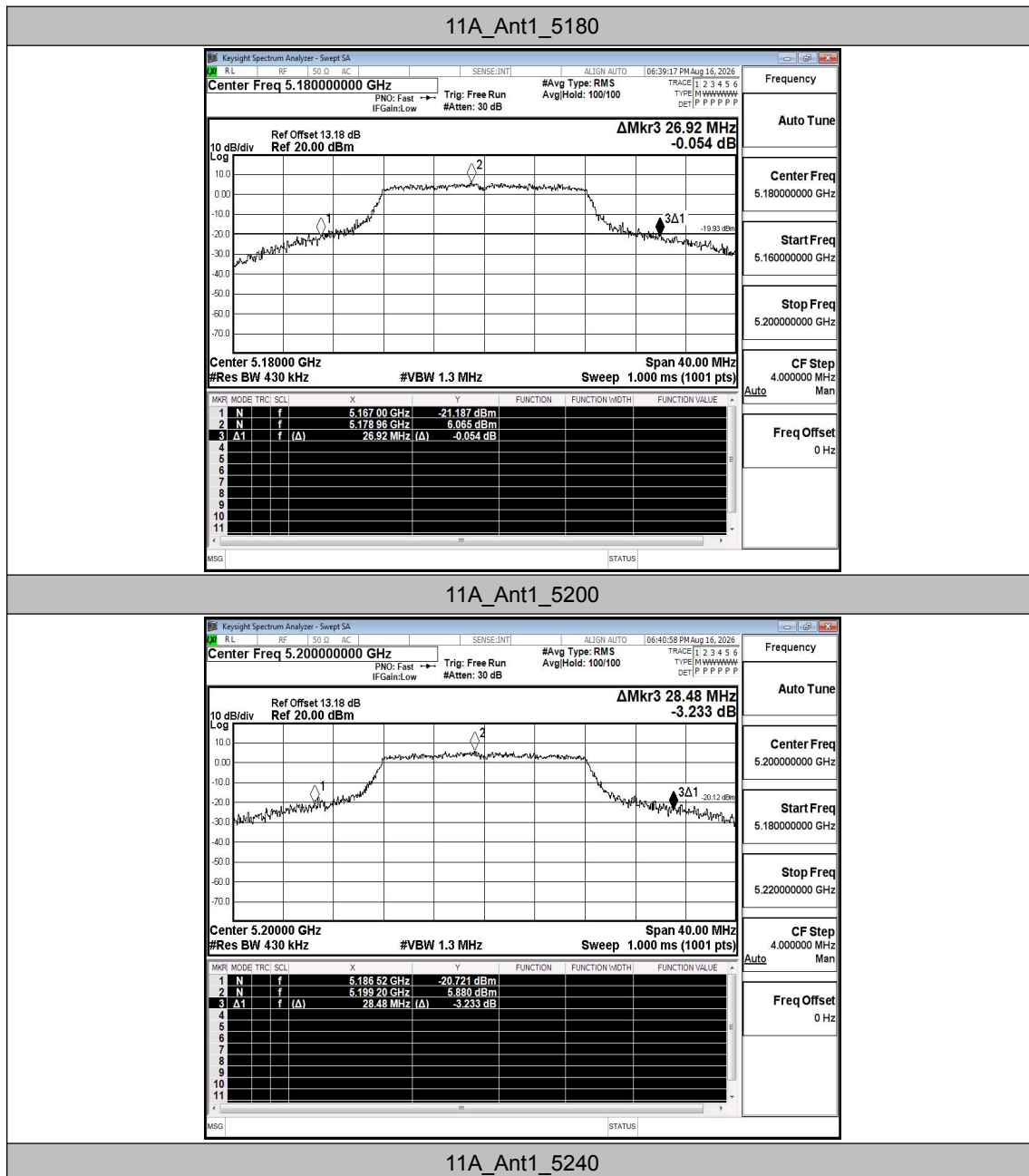
Temperature:	24.6° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

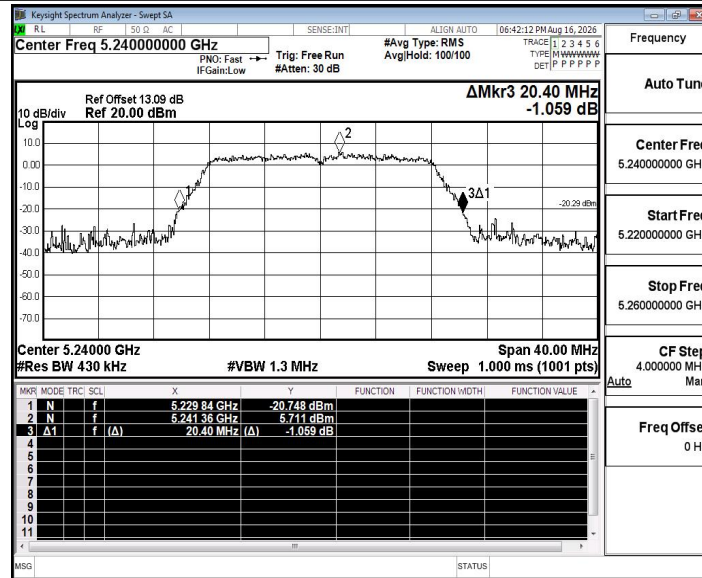
B.1 Emission Bandwidth

Test Result

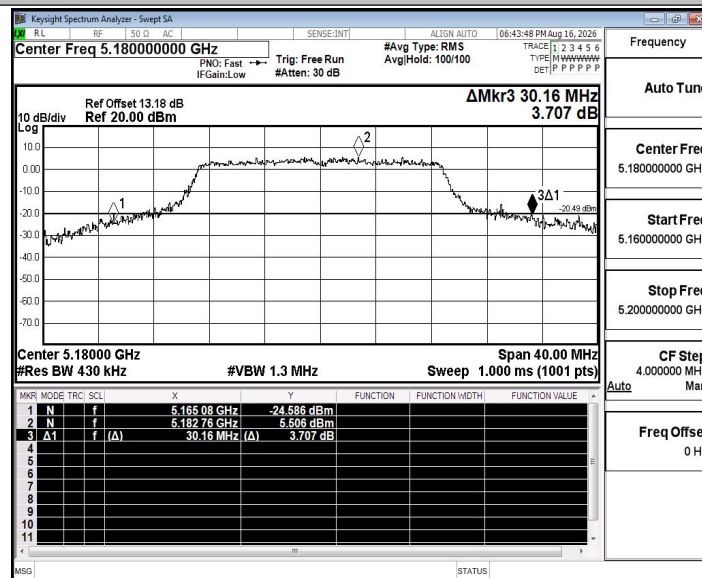
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	26.920	5167.000	5193.920	---	---
		5200	28.480	5186.520	5215.000	---	---
		5240	20.400	5229.840	5250.240	---	---
11N20SISO	Ant1	5180	30.160	5165.080	5195.240	---	---
		5200	30.280	5184.760	5215.040	---	---
		5240	20.640	5229.760	5250.400	---	---
11N40SISO	Ant1	5190	53.760	5165.760	5219.520	---	---
		5230	41.360	5209.600	5250.960	---	---
11AC20SISO	Ant1	5180	30.520	5166.240	5196.760	---	---
		5200	28.720	5185.080	5213.800	---	---
		5240	24.400	5226.040	5250.440	---	---
11AC40SISO	Ant1	5190	59.280	5163.600	5222.880	---	---
		5230	41.200	5209.520	5250.720	---	---
11AC80SISO	Ant1	5210	100.320	5166.000	5266.320	---	---

Test Graphs

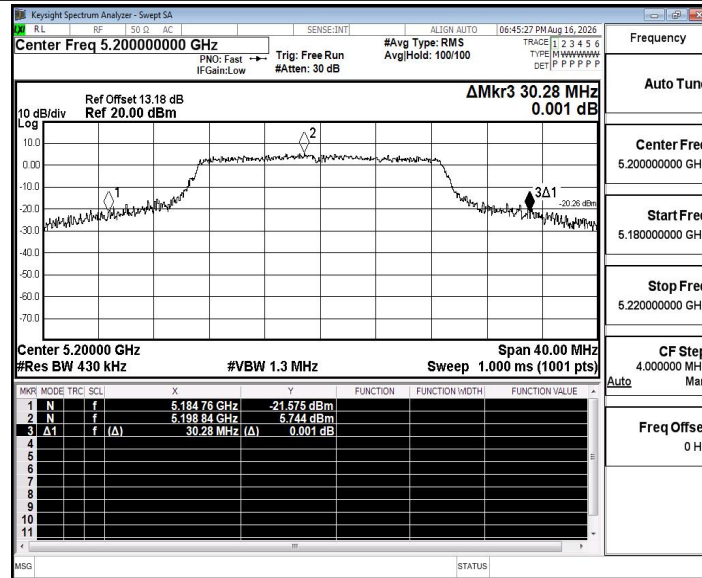




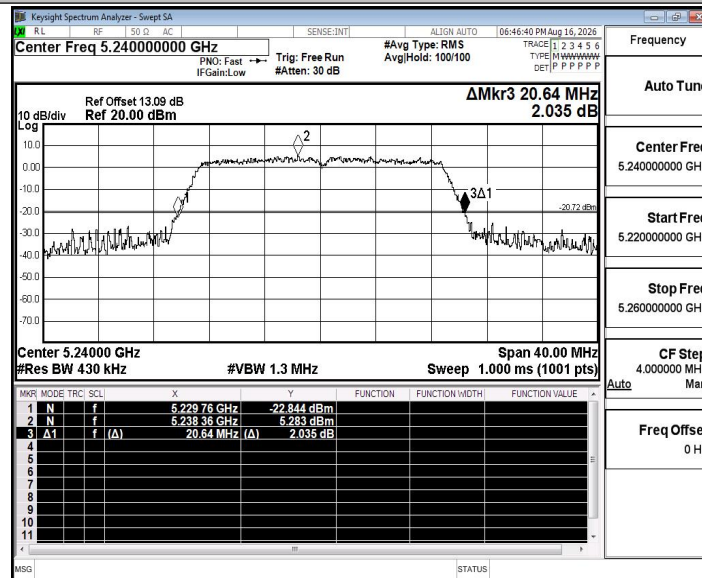
11N20SISO_Ant1_5180



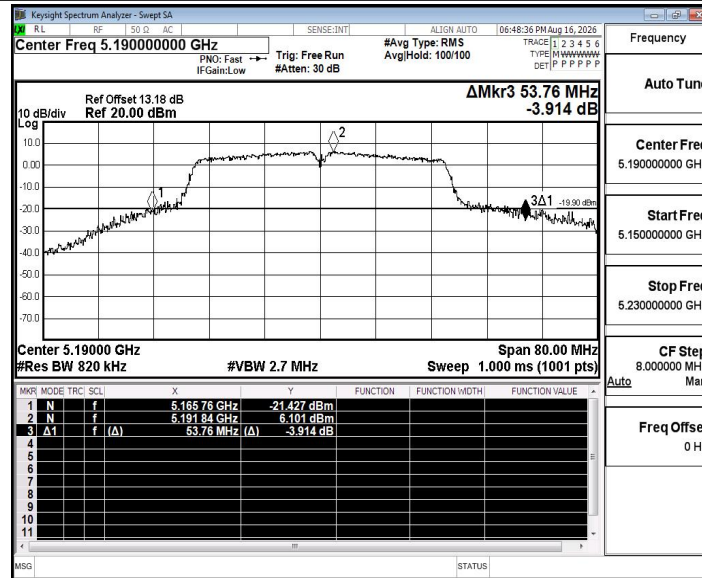
11N20SISO_Ant1_5200



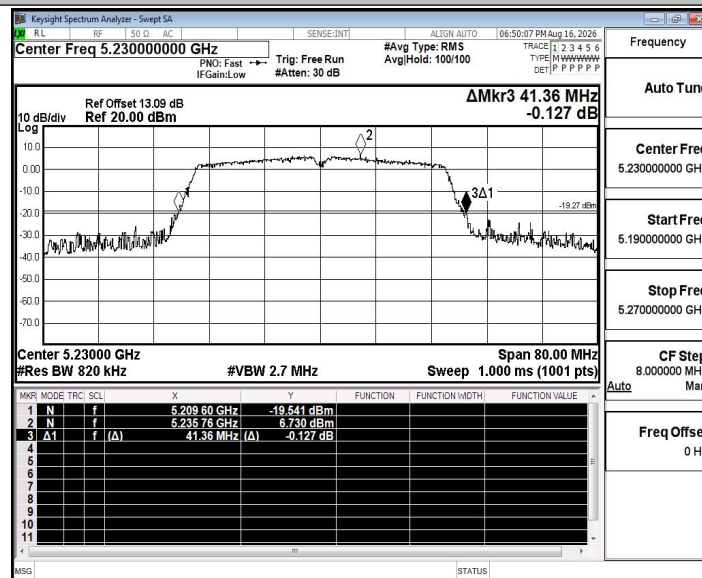
11N20SISO_Ant1_5240



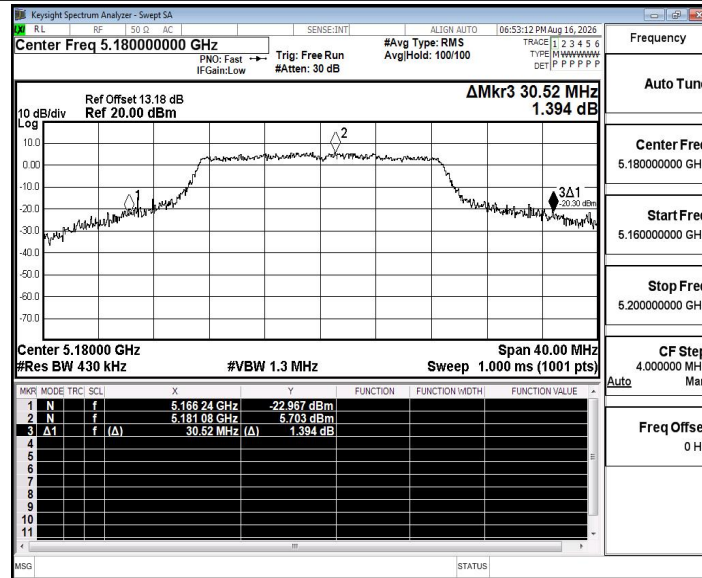
11N40SISO_Ant1_5190



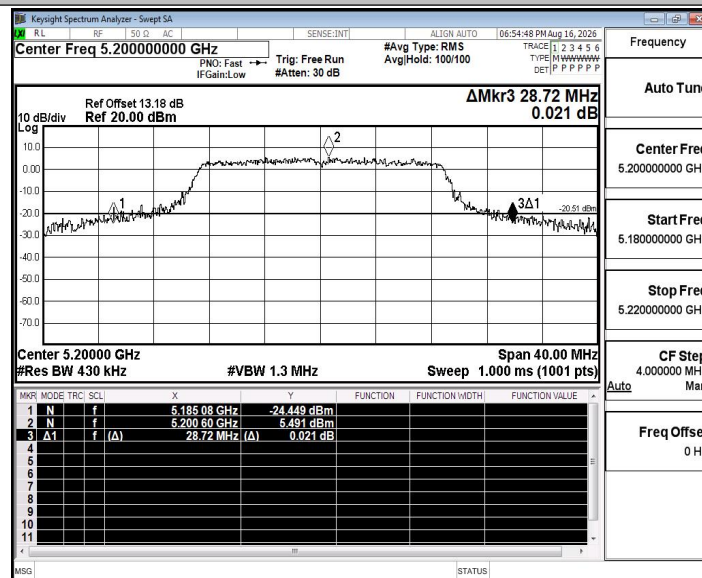
11N40SISO_Ant1_5230



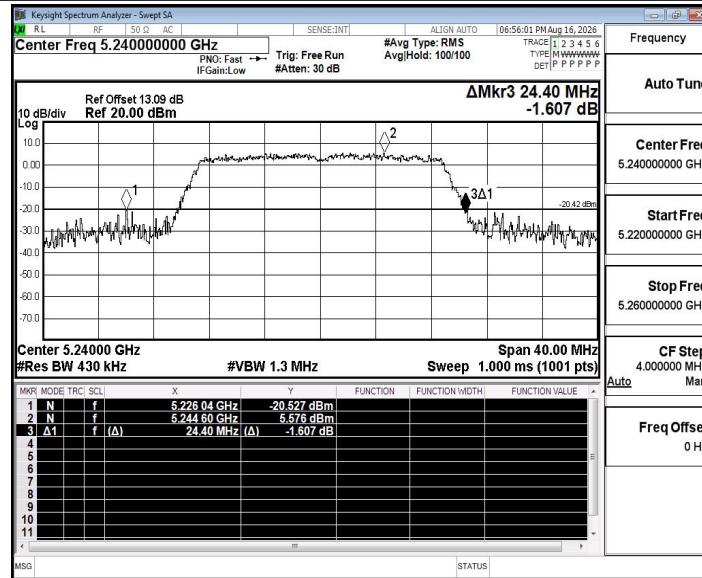
11AC20SISO_Ant1_5180



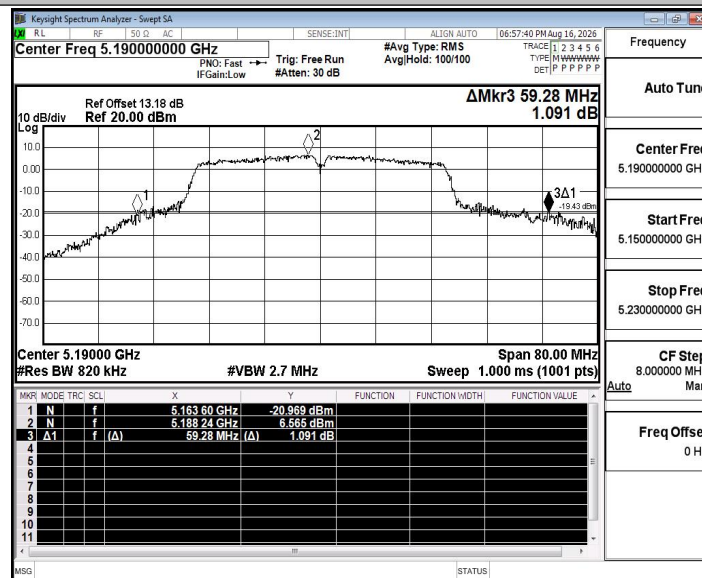
11AC20SISO_Ant1_5200



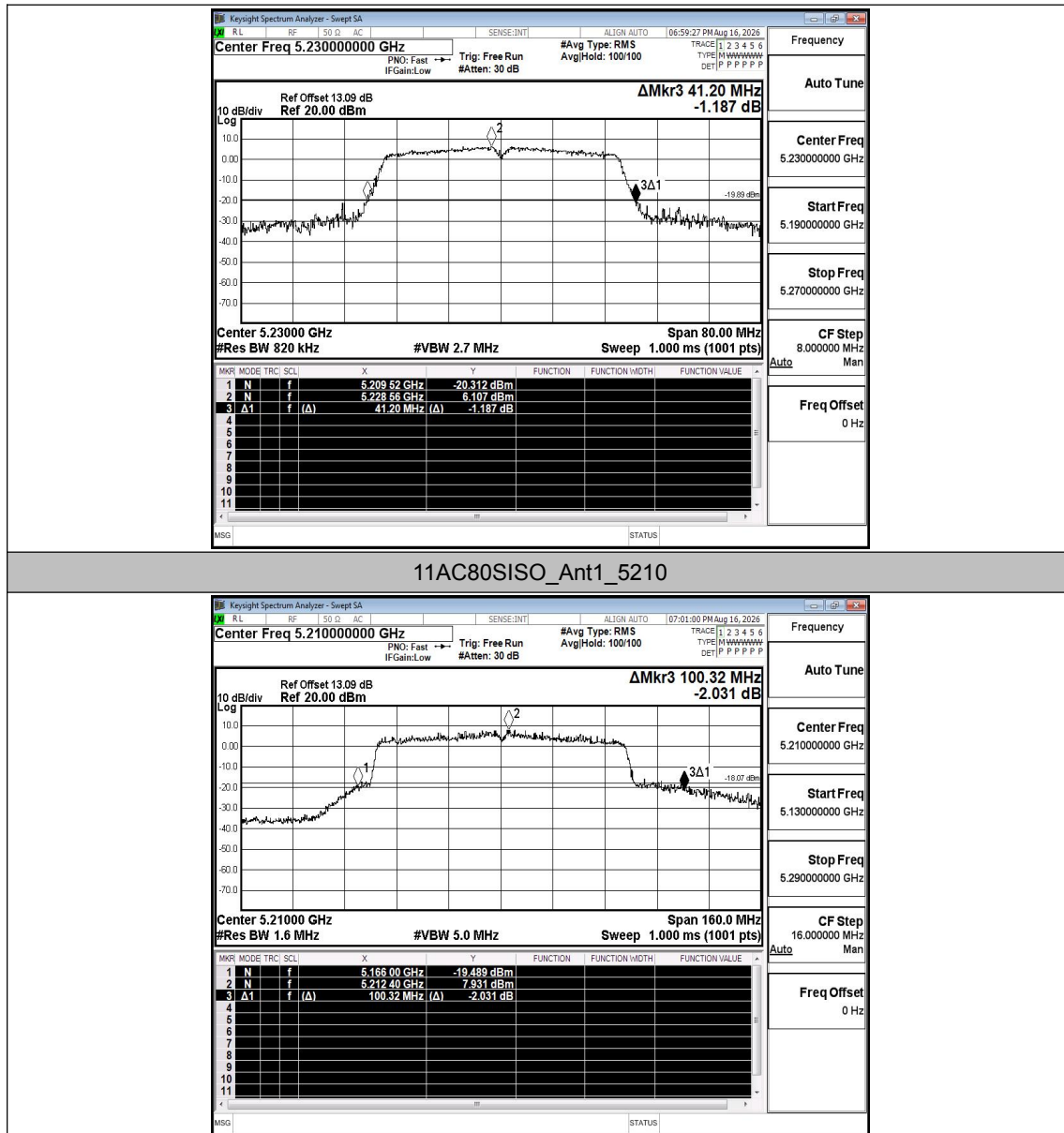
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



B.2 Maximum Conducted Output Power and e.i.r.p.

Test Result Channel Power

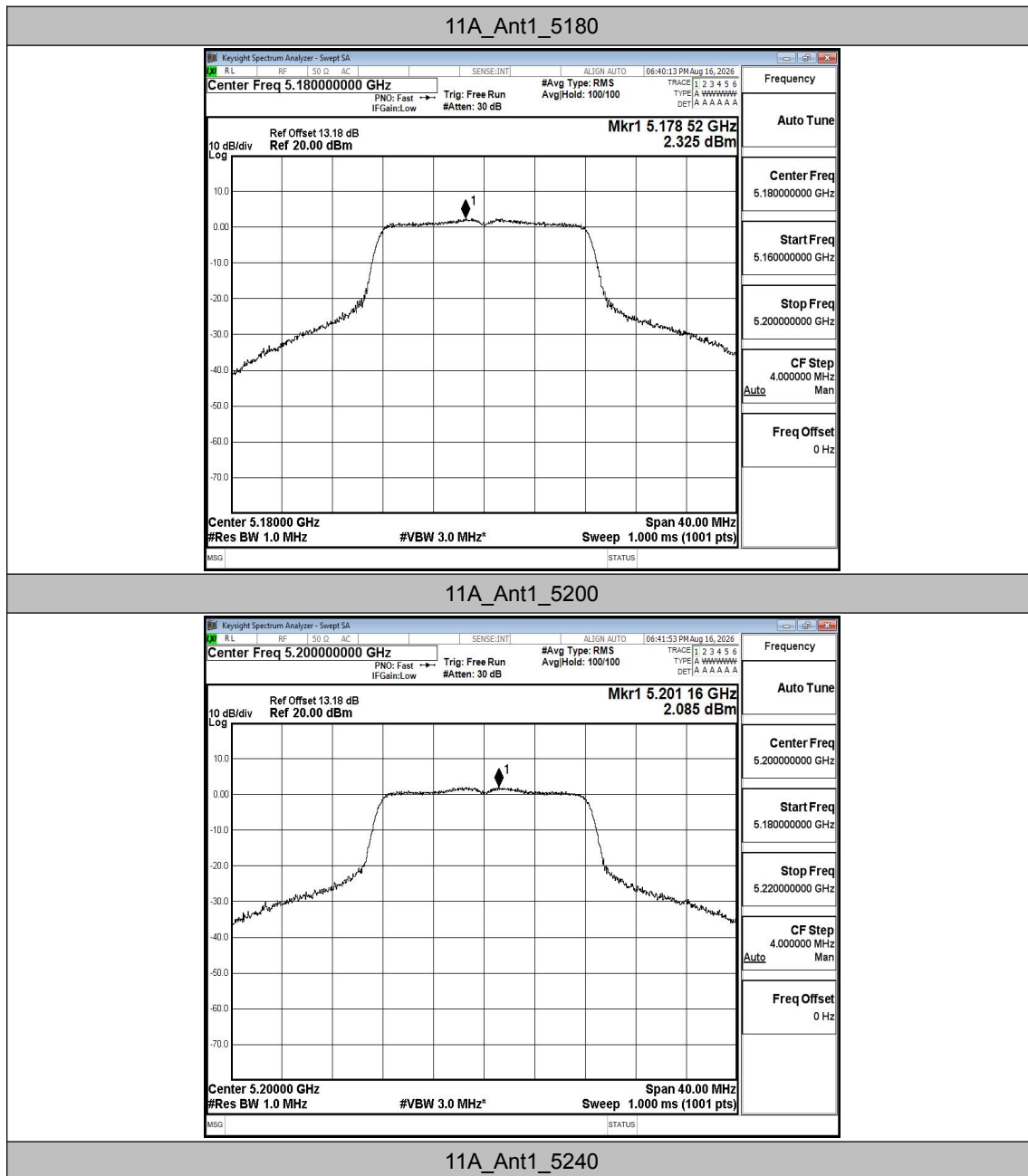
Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	NA	13.34	0.18	13.52	24	PASS
		5200	NA	13.42	0.18	13.60	24	PASS
		5240	NA	13.38	0.18	13.56	24	PASS
11N20SISO	Ant1	5180	NA	13.37	0.19	13.56	24	PASS
		5200	NA	13.29	0.19	13.48	24	PASS
		5240	NA	13.27	0.16	13.43	24	PASS
11N40SISO	Ant1	5190	NA	13.37	0.39	13.76	24	PASS
		5230	NA	13.27	0.32	13.59	24	PASS
11AC20SISO	Ant1	5180	NA	13.51	0.43	13.94	24	PASS
		5200	NA	13.49	0.43	13.92	24	PASS
		5240	NA	13.48	0.51	13.99	24	PASS
11AC40SISO	Ant1	5190	NA	13.17	0.90	14.07	24	PASS
		5230	NA	13.12	0.90	14.02	24	PASS
11AC80SISO	Ant1	5210	NA	12.02	1.46	13.48	24	PASS

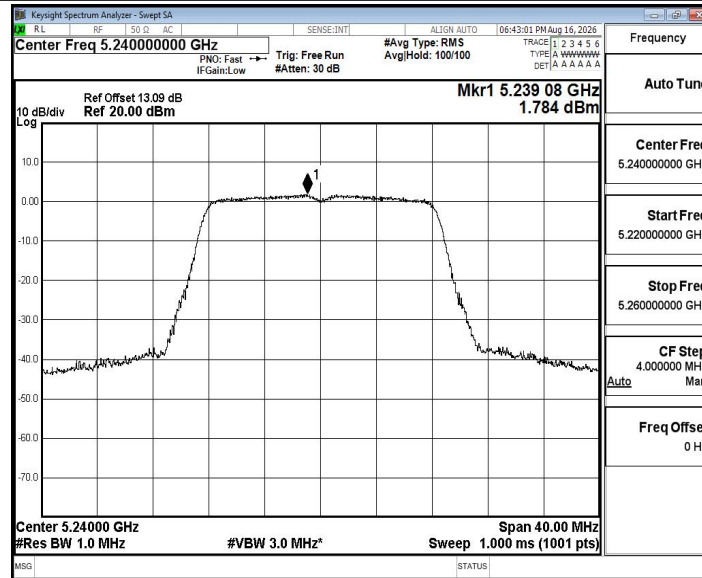
B.3 Maximum Power Spectral Density Level and e.i.r.p.

Test Result

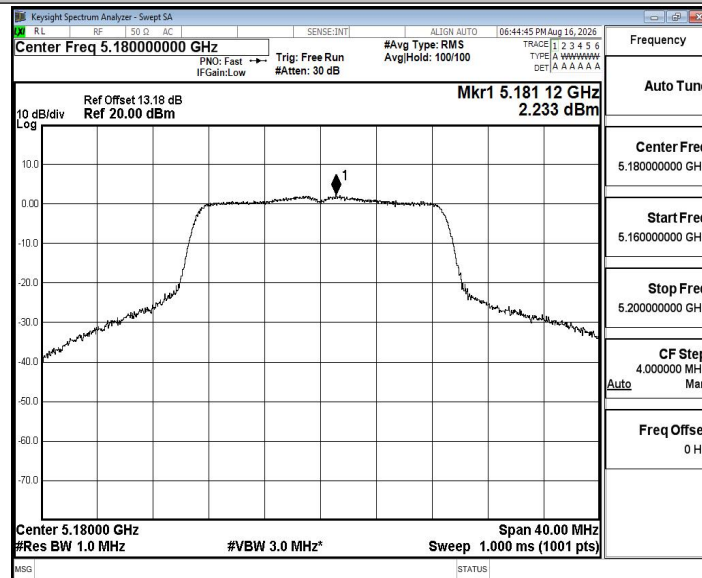
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Antenna gain (dBi)	EIRP (dBm)	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	2.33	0.18	2.51	3.71	6.22	≤11.00	PASS
		5200	2.09	0.18	2.27	3.71	5.98	≤11.00	PASS
		5240	1.78	0.18	1.96	3.71	5.67	≤11.00	PASS
11N20SISO	Ant1	5180	2.23	0.19	2.42	3.71	6.13	≤11.00	PASS
		5200	1.65	0.19	1.84	3.71	5.55	≤11.00	PASS
		5240	1.55	0.16	1.71	3.71	5.42	≤11.00	PASS
11N40SISO	Ant1	5190	-0.44	0.39	-0.05	3.71	3.66	≤11.00	PASS
		5230	-0.61	0.32	-0.29	3.71	3.42	≤11.00	PASS
11AC20SISO	Ant1	5180	2.38	0.43	2.81	3.71	6.52	≤11.00	PASS
		5200	2.27	0.43	2.70	3.71	6.41	≤11.00	PASS
		5240	2.13	0.51	2.64	3.71	6.35	≤11.00	PASS
11AC40SISO	Ant1	5190	-0.52	0.90	0.38	3.71	4.09	≤11.00	PASS
		5230	-0.54	0.90	0.36	3.71	4.07	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.5	1.46	-3.04	3.71	0.67	≤11.00	PASS

Test Graphs

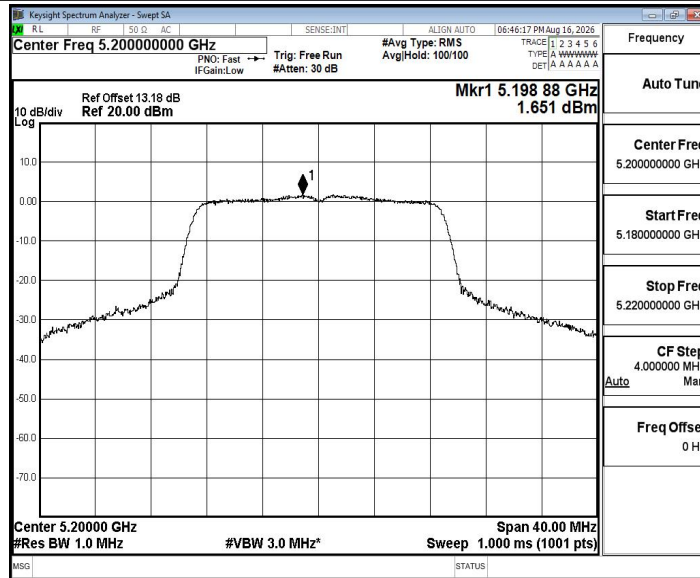




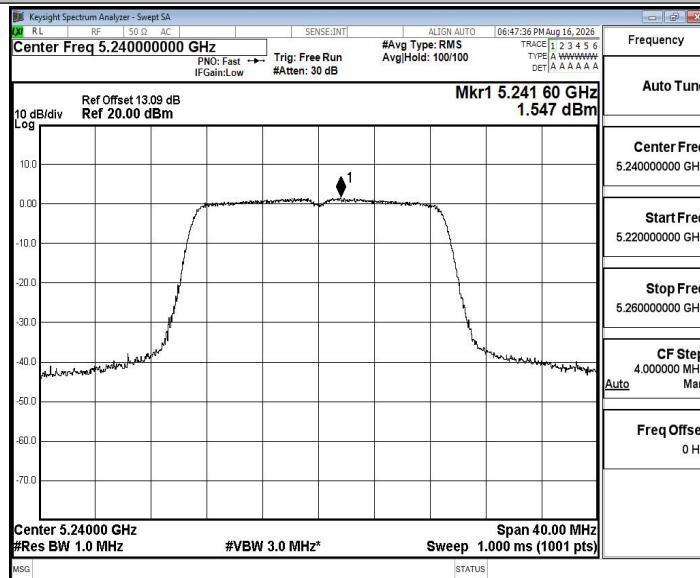
11N20SISO_Ant1_5180



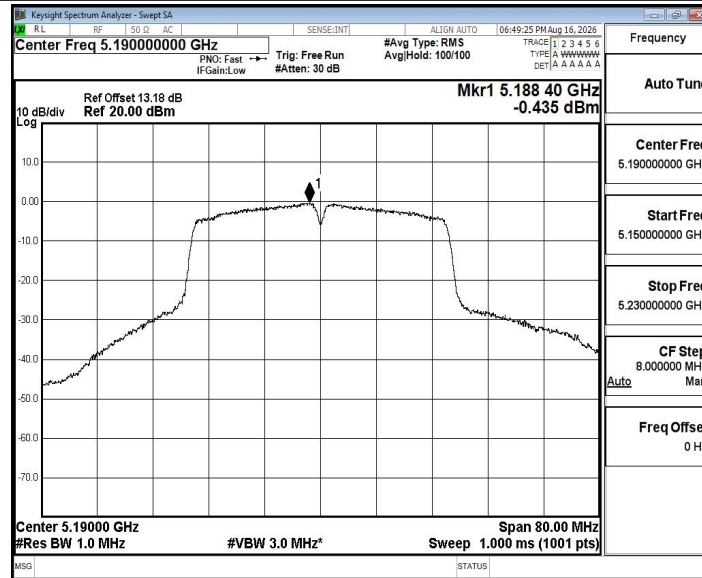
11N20SISO_Ant1_5200



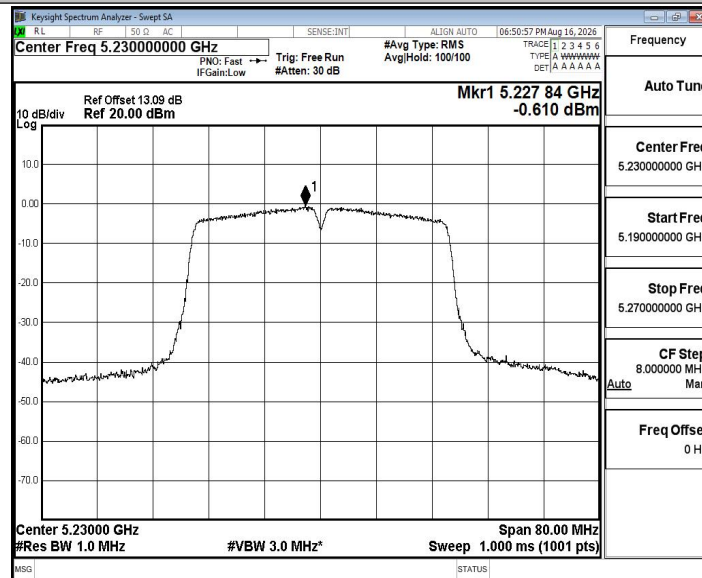
11N20SISO_Ant1_5240



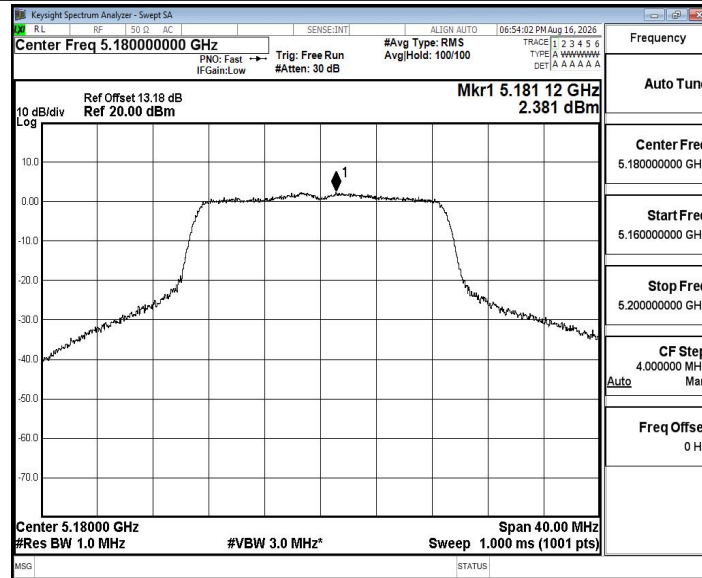
11N40SISO_Ant1_5190



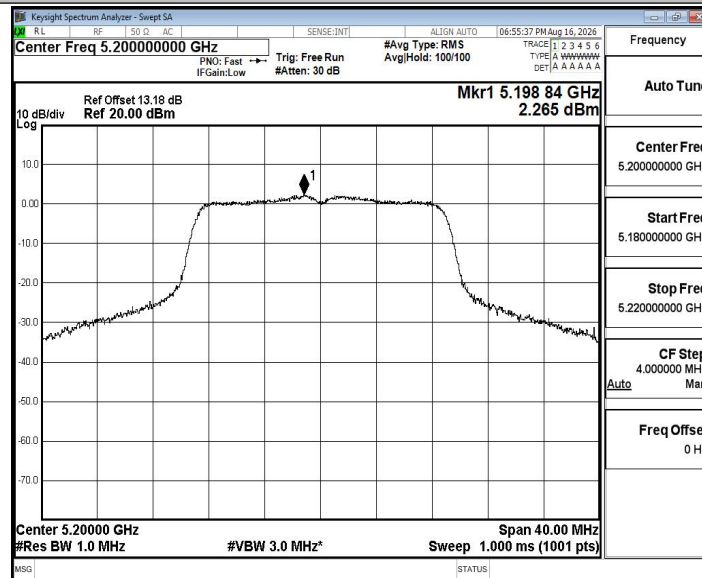
11N40SISO_Ant1_5230



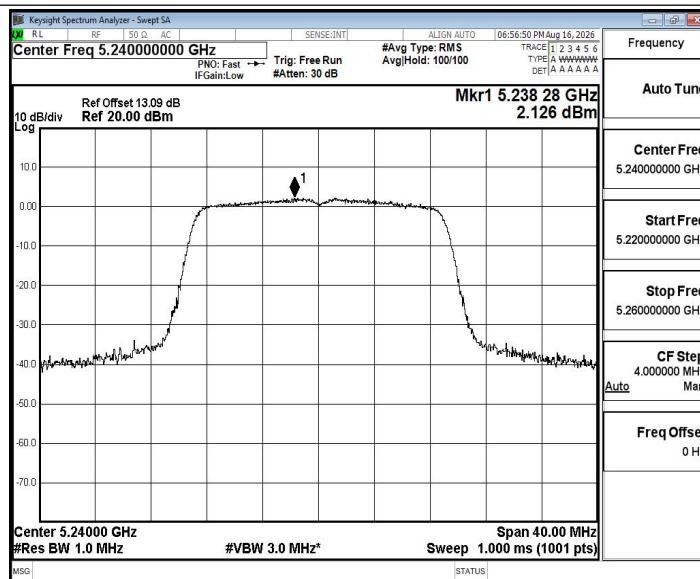
11AC20SISO_Ant1_5180



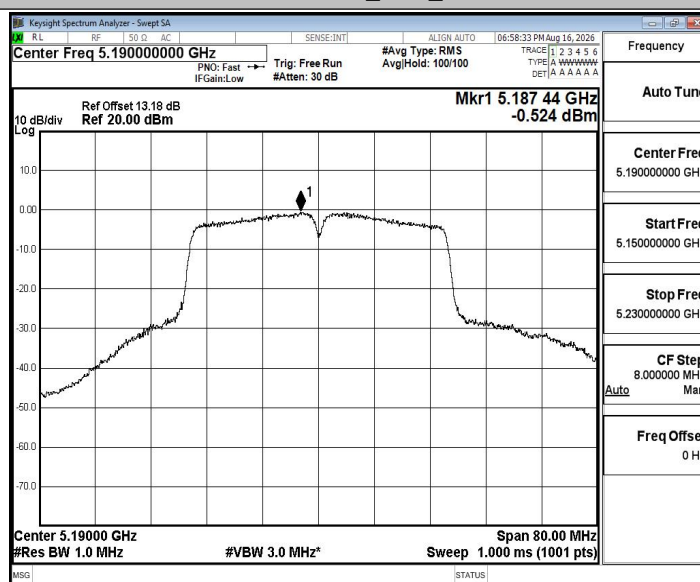
11AC20SISO_Ant1_5200



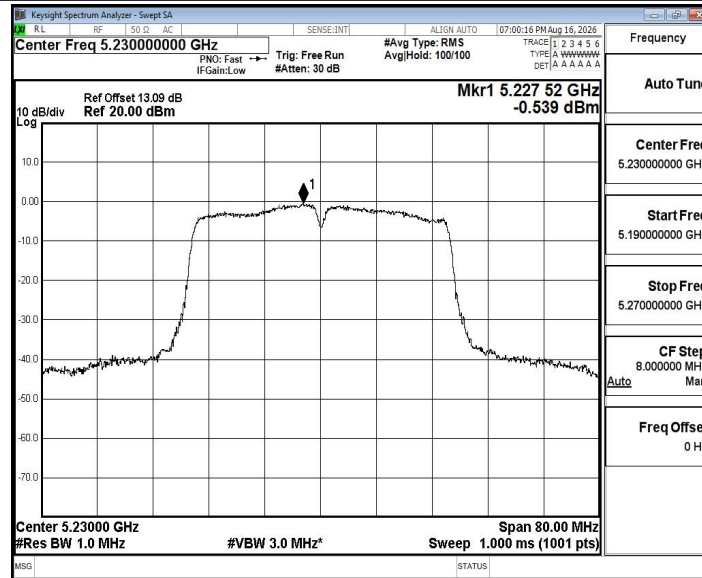
11AC20SISO_Ant1_5240



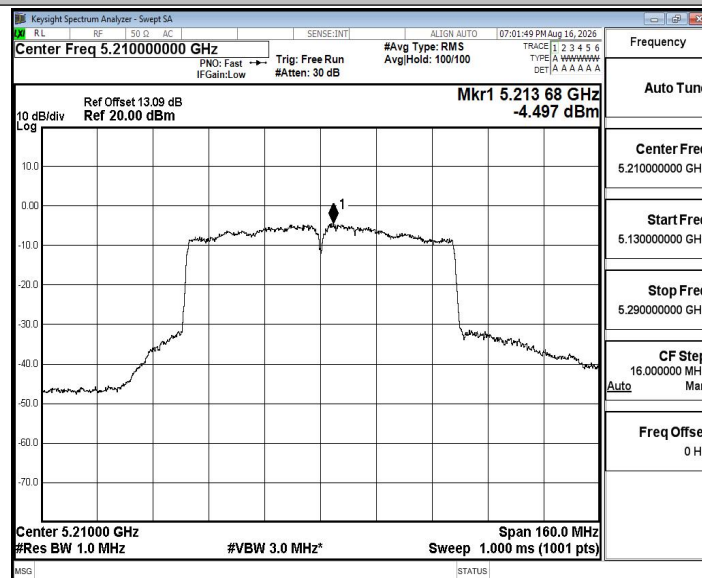
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



B.4 Emissions in Restricted Bands

Test Result

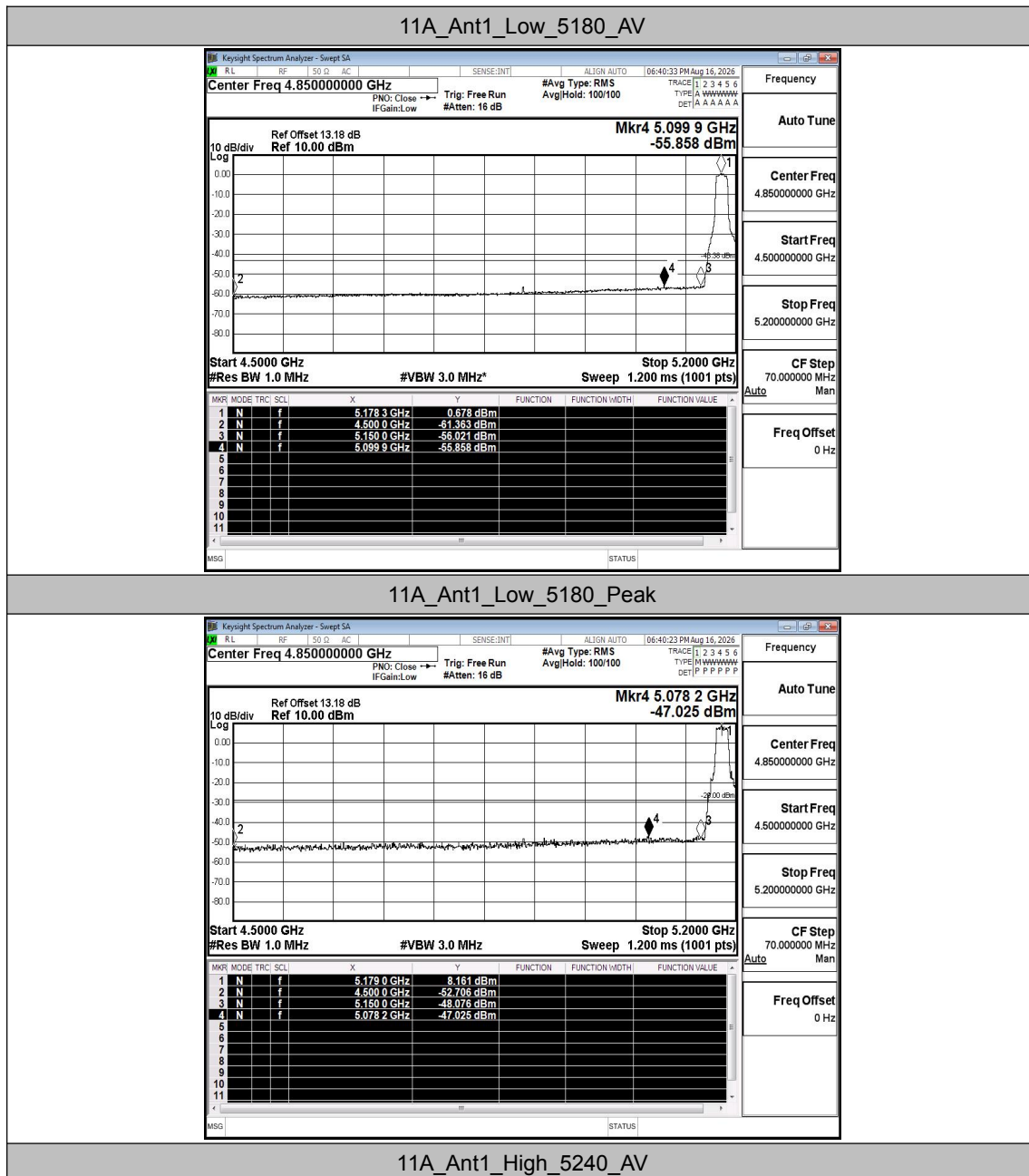
TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-61.36	≤-43.38	3.71	0.18	37.73	≤54	PASS
				AV	5099.900	-55.86	≤-43.38	3.71	0.18	43.23	≤54	PASS
				AV	5150.000	-56.02	≤-43.38	3.71	0.18	43.07	≤54	PASS
				Peak	4500.000	-52.71	≤-29.00	3.71	0	46.20	≤68.2	PASS
				Peak	5078.200	-47.02	≤-29.00	3.71	0	51.89	≤68.2	PASS
				Peak	5150.000	-48.08	≤-29.00	3.71	0	50.83	≤68.2	PASS
		High	5240	AV	5350.000	-59.88	≤-43.38	3.71	0.18	39.21	≤54	PASS
				AV	5355.120	-59.27	≤-43.38	3.71	0.18	39.82	≤54	PASS
				AV	5460.000	-60.81	≤-43.38	3.71	0.18	38.28	≤54	PASS
				Peak	5350.000	-51.03	≤-29.00	3.71	0	47.88	≤68.2	PASS
				Peak	5359.680	-49.3	≤-29.00	3.71	0	49.61	≤68.2	PASS
				Peak	5460.000	-53.88	≤-29.00	3.71	0	45.03	≤68.2	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-61.55	≤-43.39	3.71	0.19	37.55	≤54	PASS
				AV	5149.600	-56.02	≤-43.39	3.71	0.19	43.08	≤54	PASS
				AV	5150.000	-57.15	≤-43.39	3.71	0.19	41.95	≤54	PASS
				Peak	4500.000	-53.57	≤-29.00	3.71	0	45.34	≤68.2	PASS
				Peak	5144.000	-47.31	≤-29.00	3.71	0	51.60	≤68.2	PASS
				Peak	5150.000	-49.18	≤-29.00	3.71	0	49.73	≤68.2	PASS
		High	5240	AV	5350.000	-59.49	≤-43.36	3.71	0.16	39.58	≤54	PASS
				AV	5350.800	-59.24	≤-43.36	3.71	0.16	39.83	≤54	PASS
				AV	5460.000	-61.29	≤-43.36	3.71	0.16	37.78	≤54	PASS
				Peak	5350.000	-50.6	≤-29.00	3.71	0	48.31	≤68.2	PASS
				Peak	5382.480	-49.01	≤-29.00	3.71	0	49.90	≤68.2	PASS
				Peak	5460.000	-51.9	≤-29.00	3.71	0	47.01	≤68.2	PASS
11N40SISO	Ant1	Low	5190	AV	4500.000	-61.53	≤-43.59	3.71	0.39	37.77	≤54	PASS
				AV	5149.600	-54.14	≤-43.59	3.71	0.39	45.16	≤54	PASS
				AV	5150.000	-53.26	≤-43.59	3.71	0.39	46.04	≤54	PASS
				Peak	4500.000	-53.01	≤-29.00	3.71	0	45.90	≤68.2	PASS
				Peak	5148.900	-44.62	≤-29.00	3.71	0	54.29	≤68.2	PASS
				Peak	5150.000	-45.64	≤-29.00	3.71	0	53.27	≤68.2	PASS
		High	5230	AV	5350.000	-59.34	≤-43.52	3.71	0.32	39.89	≤54	PASS
				AV	5350.280	-58.78	≤-43.52	3.71	0.32	40.45	≤54	PASS
				AV	5460.000	-61.11	≤-43.52	3.71	0.32	38.12	≤54	PASS
				Peak	5350.000	-49.83	≤-29.00	3.71	0	49.08	≤68.2	PASS

				Peak	5355.220	-48.85	≤-29.00	3.71	0	50.06	≤68.2	PASS
				Peak	5460.000	-52.91	≤-29.00	3.71	0	46.00	≤68.2	PASS
11AC20SISO	Ant1	Low	5180	AV	4500.000	-61.73	≤-43.63	3.71	0.43	37.61	≤54	PASS
				AV	4939.600	-54.03	≤-43.63	3.71	0.43	45.31	≤54	PASS
				AV	5150.000	-56.33	≤-43.63	3.71	0.43	43.01	≤54	PASS
				Peak	4500.000	-53.15	≤-29.00	3.71	0	45.76	≤68.2	PASS
				Peak	5145.400	-45.16	≤-29.00	3.71	0	53.75	≤68.2	PASS
				Peak	5150.000	-47.3	≤-29.00	3.71	0	51.61	≤68.2	PASS
		High	5240	AV	5350.000	-59.89	≤-43.71	3.71	0.51	39.53	≤54	PASS
				AV	5360.400	-58.46	≤-43.71	3.71	0.51	40.96	≤54	PASS
				AV	5460.000	-60.95	≤-43.71	3.71	0.51	38.47	≤54	PASS
				Peak	5350.000	-50.52	≤-29.00	3.71	0	48.39	≤68.2	PASS
				Peak	5353.680	-48.85	≤-29.00	3.71	0	50.06	≤68.2	PASS
				Peak	5460.000	-51.77	≤-29.00	3.71	0	47.14	≤68.2	PASS
11AC40SISO	Ant1	Low	5190	AV	4500.000	-61.9	≤-44.10	3.71	0.9	37.91	≤54	PASS
				AV	4949.400	-54.11	≤-44.10	3.71	0.9	45.70	≤54	PASS
				AV	5150.000	-54.76	≤-44.10	3.71	0.9	45.05	≤54	PASS
				Peak	4500.000	-53.75	≤-29.00	3.71	0	45.16	≤68.2	PASS
				Peak	5085.200	-46.14	≤-29.00	3.71	0	52.77	≤68.2	PASS
				Peak	5150.000	-47.16	≤-29.00	3.71	0	51.75	≤68.2	PASS
		High	5230	AV	5350.000	-59.76	≤-44.10	3.71	0.9	40.05	≤54	PASS
				AV	5352.880	-59.1	≤-44.10	3.71	0.9	40.71	≤54	PASS
				AV	5460.000	-61.58	≤-44.10	3.71	0.9	38.23	≤54	PASS
				Peak	5350.000	-51.28	≤-29.00	3.71	0	47.63	≤68.2	PASS
				Peak	5353.140	-49.23	≤-29.00	3.71	0	49.68	≤68.2	PASS
				Peak	5460.000	-51.94	≤-29.00	3.71	0	46.97	≤68.2	PASS
11AC80SISO	Ant1	Low	5210	AV	4500.000	-61.88	≤-44.66	3.71	1.46	38.49	≤54	PASS
				AV	5149.500	-51.91	≤-44.66	3.71	1.46	48.46	≤54	PASS
				AV	5150.000	-53.48	≤-44.66	3.71	1.46	46.89	≤54	PASS
				Peak	4500.000	-53.96	≤-29.00	3.71	0	44.95	≤68.2	PASS
				Peak	5142.000	-41.92	≤-29.00	3.71	0	56.99	≤68.2	PASS
				Peak	5150.000	-42.56	≤-29.00	3.71	0	56.35	≤68.2	PASS
		High	5210	AV	5350.000	-60.49	≤-44.66	3.71	1.46	39.88	≤54	PASS
				AV	5359.200	-59.76	≤-44.66	3.71	1.46	40.61	≤54	PASS
				AV	5460.000	-61.33	≤-44.66	3.71	1.46	39.04	≤54	PASS
				Peak	5350.000	-52.53	≤-29.00	3.71	0	46.38	≤68.2	PASS
				Peak	5444.320	-50.07	≤-29.00	3.71	0	48.84	≤68.2	PASS
				Peak	5460.000	-52.45	≤-29.00	3.71	0	46.46	≤68.2	PASS

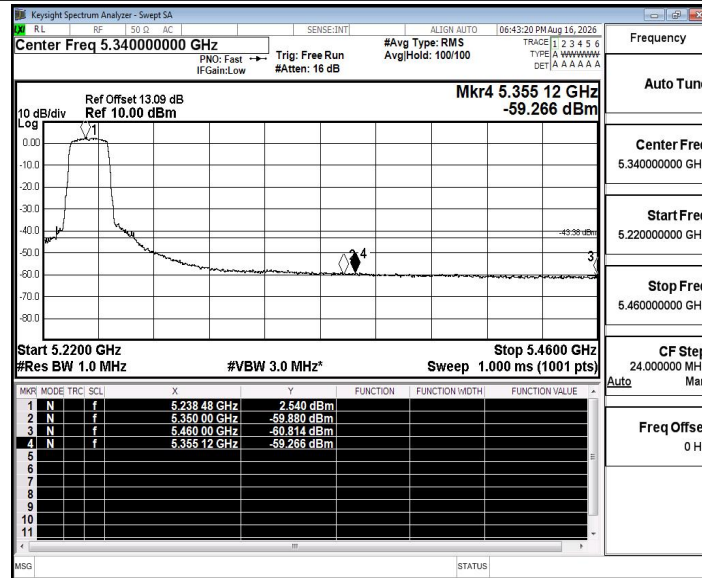
Note:

1. The Antenna Gain is compensated in the graph.

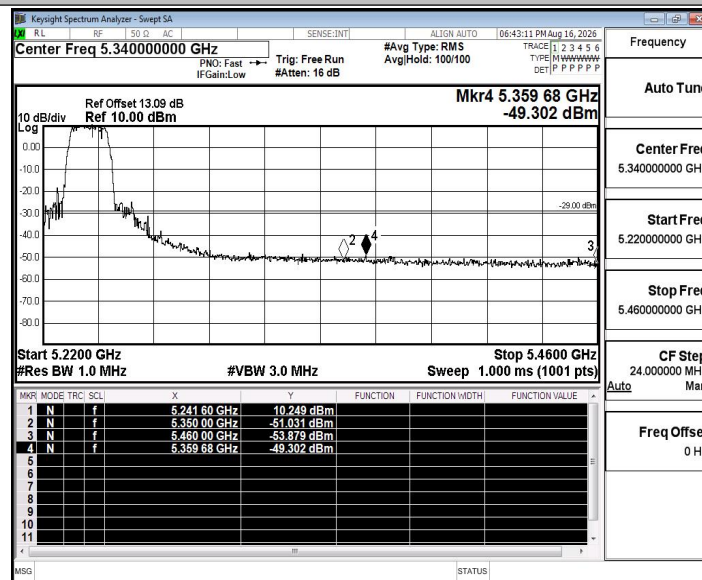
Test Graphs



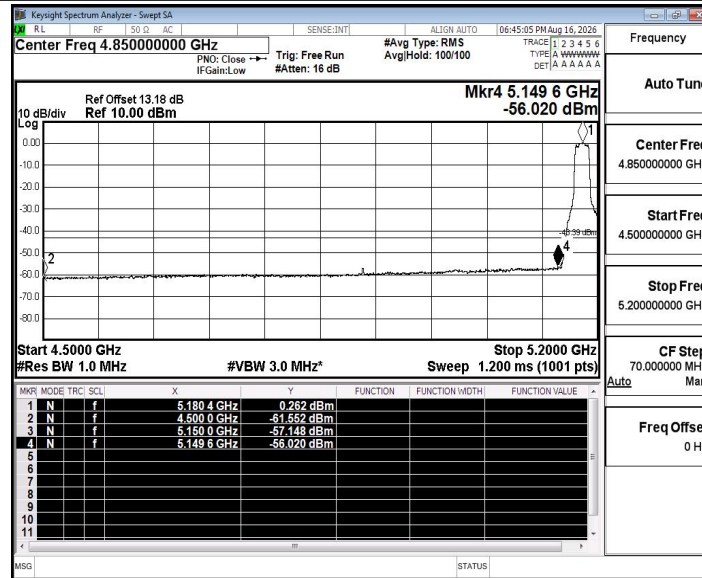
11A_Ant1_High_5240_AV



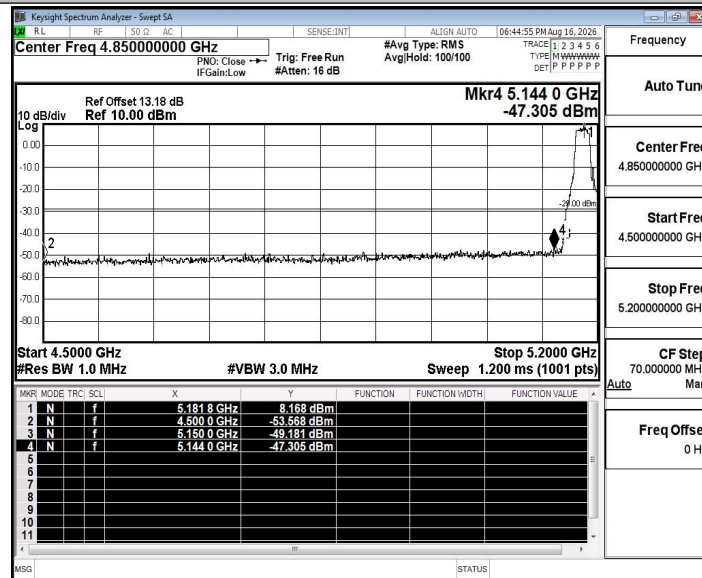
11A_Ant1_High_5240_Peak



11N20SISO_Ant1_Low_5180_AV



11N20SISO_Ant1_Low_5180_Peak



11N20SISO_Ant1_High_5240_AV