

Appendix D

RF Test Data for 5.5GWIFI(Conducted Measurement)

Product Name: Network Transport

Test Model: 9000NT

Environmental Conditions

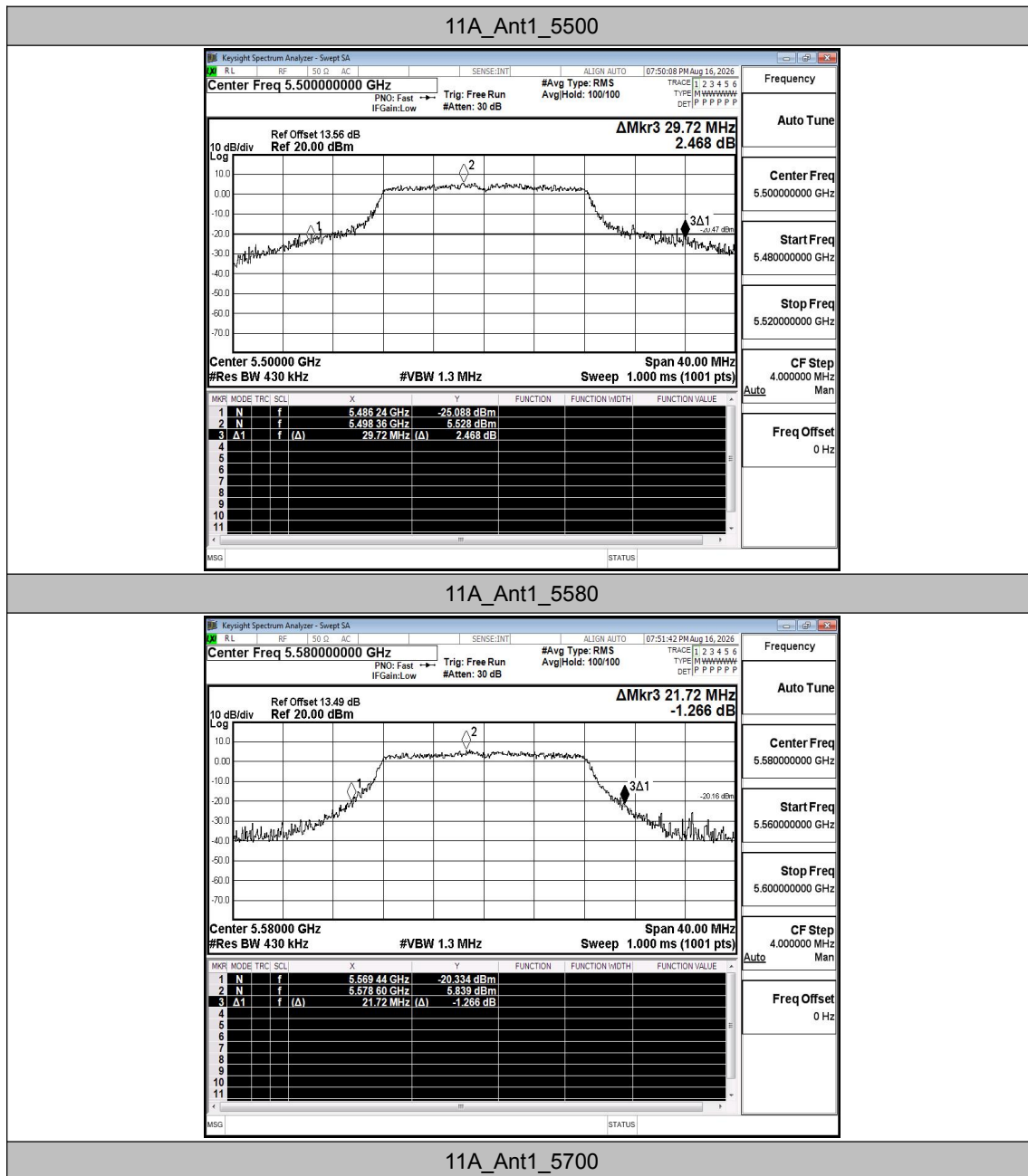
Temperature:	24.6° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

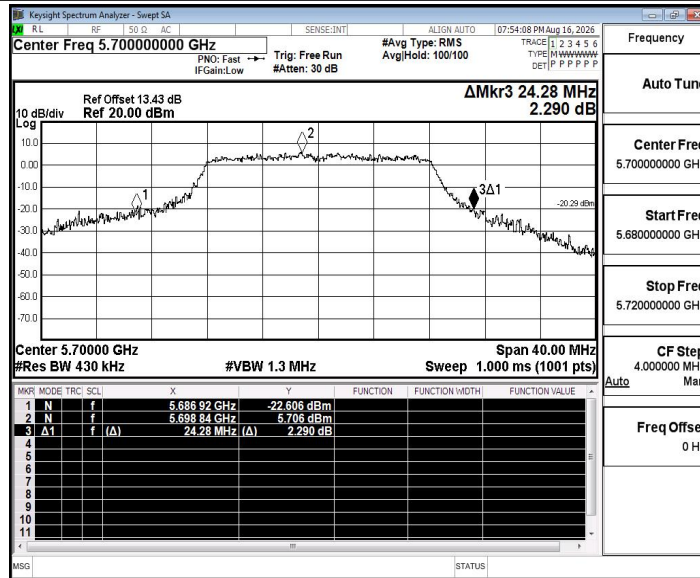
D.1 Emission Bandwidth

Test Result

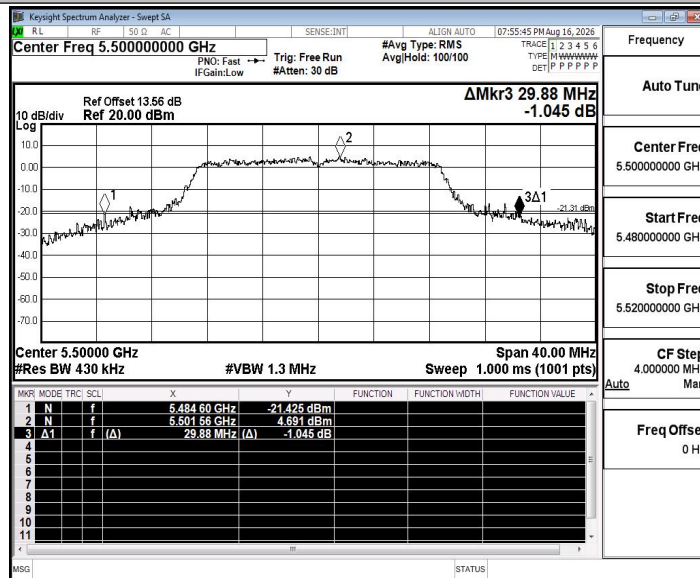
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	29.720	5486.240	5515.960	---	---
		5580	21.720	5569.440	5591.160	---	---
		5700	24.280	5686.920	5711.200	---	---
11N20SISO	Ant1	5500	29.880	5484.600	5514.480	---	---
		5580	22.600	5568.800	5591.400	---	---
		5700	28.640	5683.680	5712.320	---	---
11N40SISO	Ant1	5510	56.320	5484.720	5541.040	---	---
		5550	41.040	5529.440	5570.480	---	---
		5670	55.520	5641.280	5696.800	---	---
11AC20SISO	Ant1	5500	28.560	5485.720	5514.280	---	---
		5580	22.520	5568.880	5591.400	---	---
		5700	26.880	5684.800	5711.680	---	---
11AC40SISO	Ant1	5510	54.800	5484.960	5539.760	---	---
		5550	52.000	5519.440	5571.440	---	---
		5670	63.680	5639.280	5702.960	---	---
11AC80SISO	Ant1	5530	99.360	5485.200	5584.560	---	---
		5610	80.960	5569.520	5650.480	---	---

Test Graphs

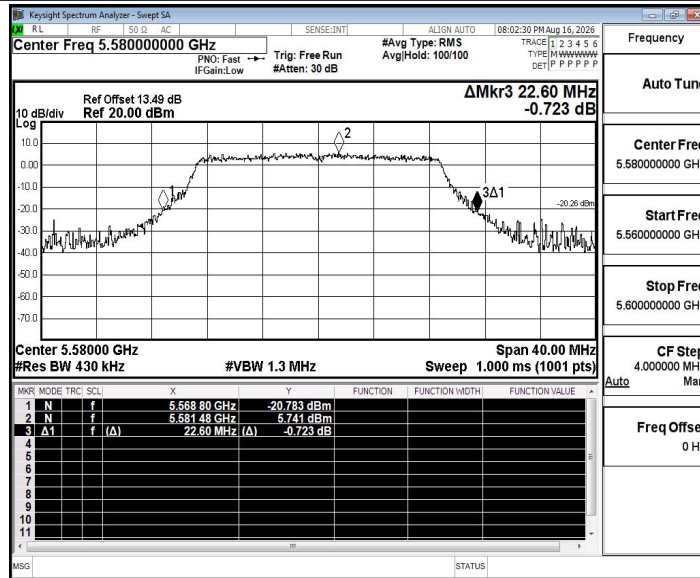




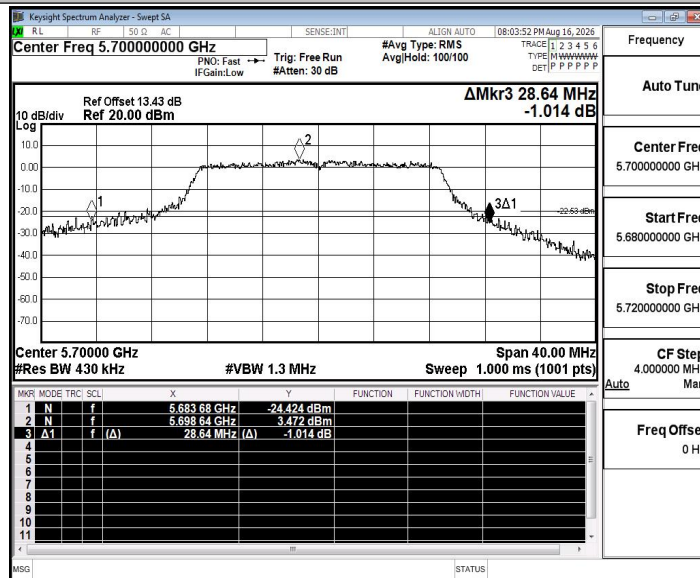
11N20SISO_Ant1_5500



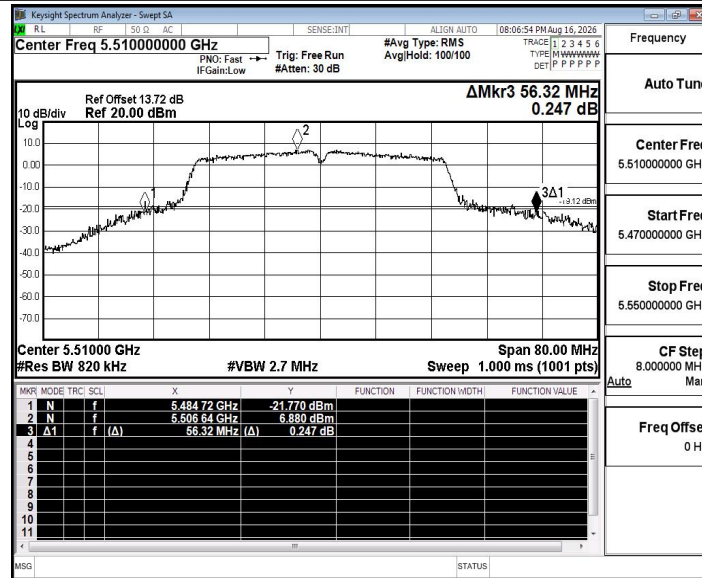
11N20SISO_Ant1_5580



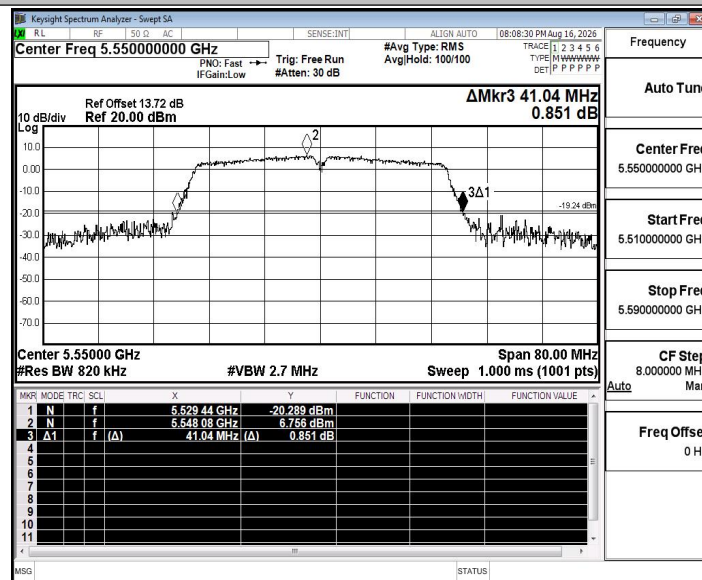
11N20SISO_Ant1_5700



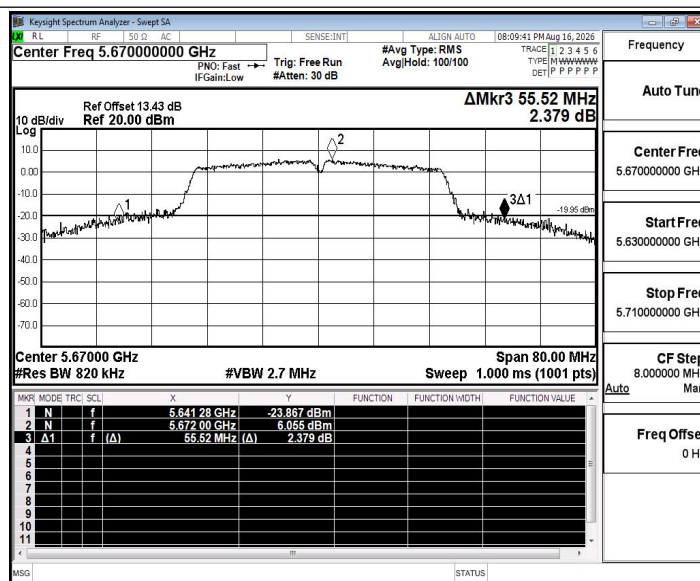
11N40SISO_Ant1_5510



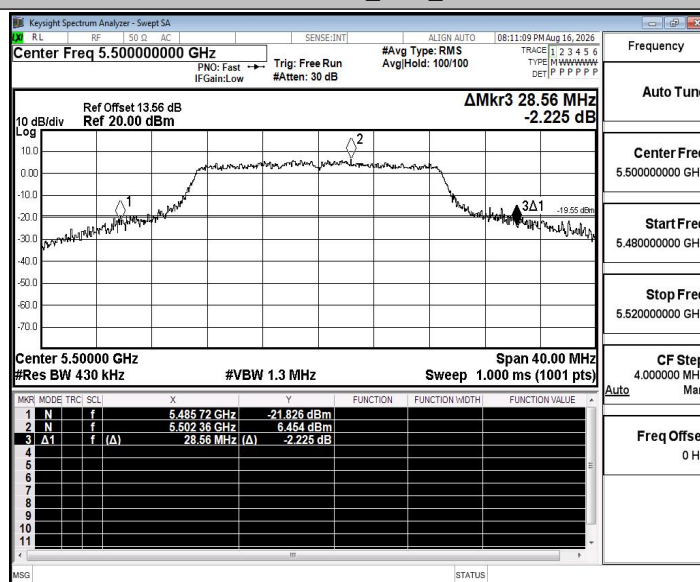
11N40SISO_Ant1_5550



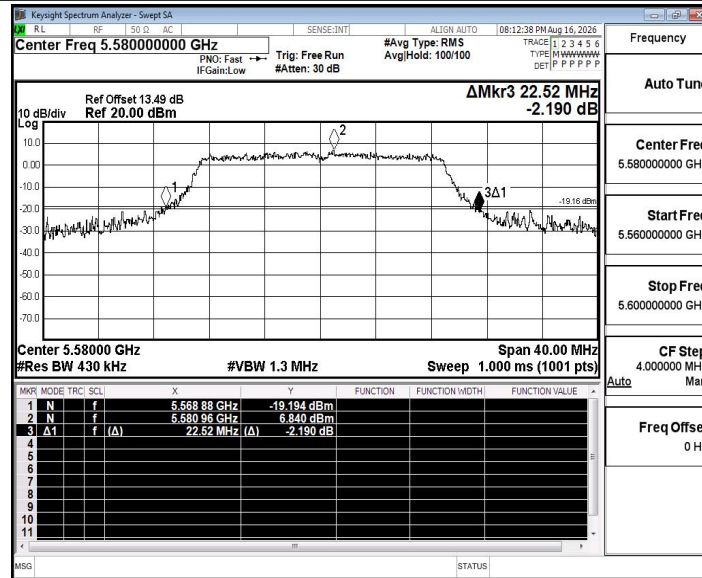
11N40SISO_Ant1_5670



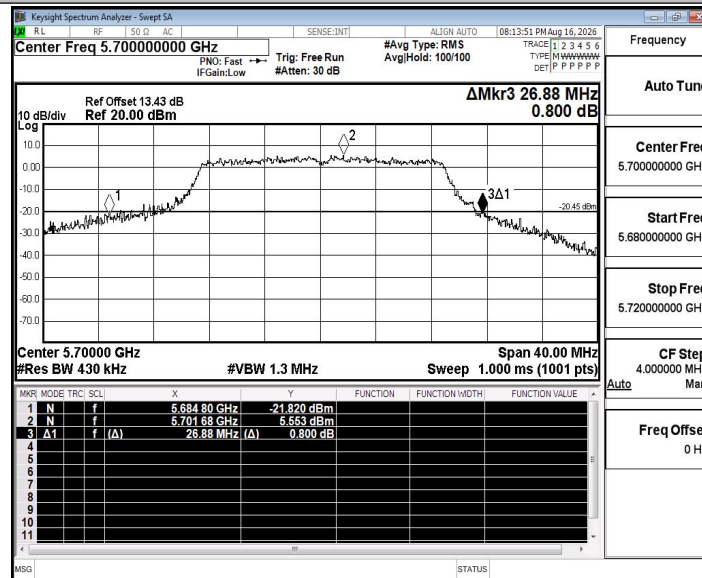
11AC20SISO_Ant1_5500



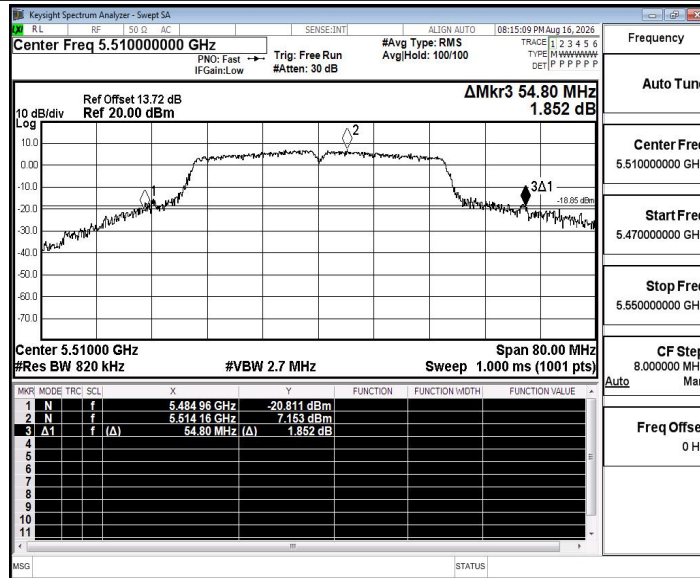
11AC20SISO_Ant1_5580



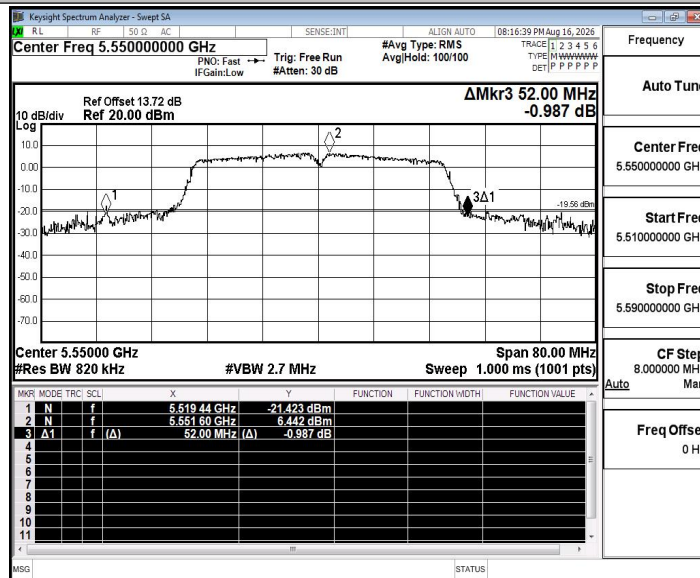
11AC20SISO_Ant1_5700



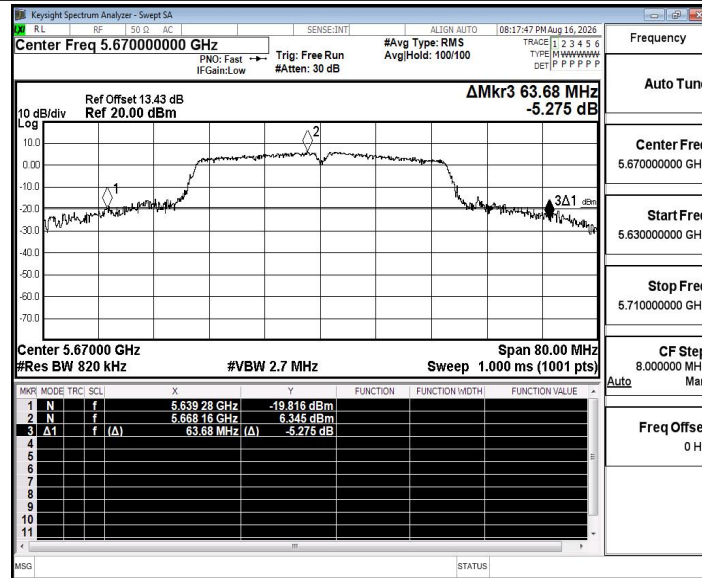
11AC40SISO_Ant1_5510



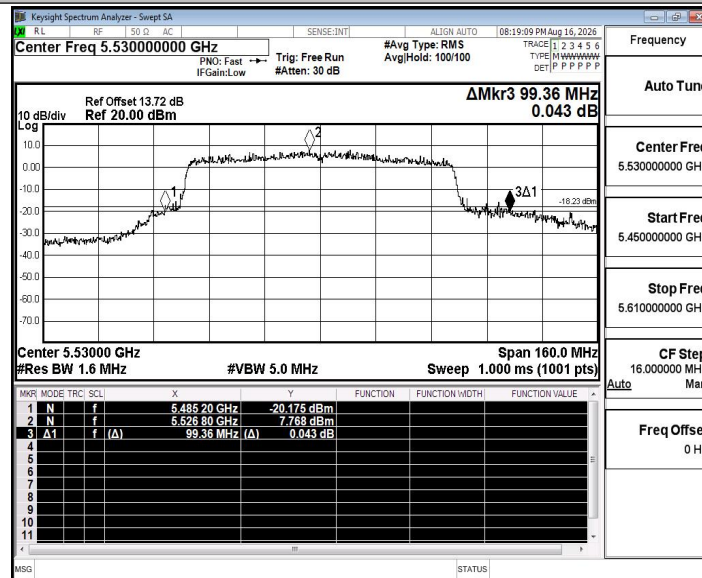
11AC40SISO_Ant1_5550



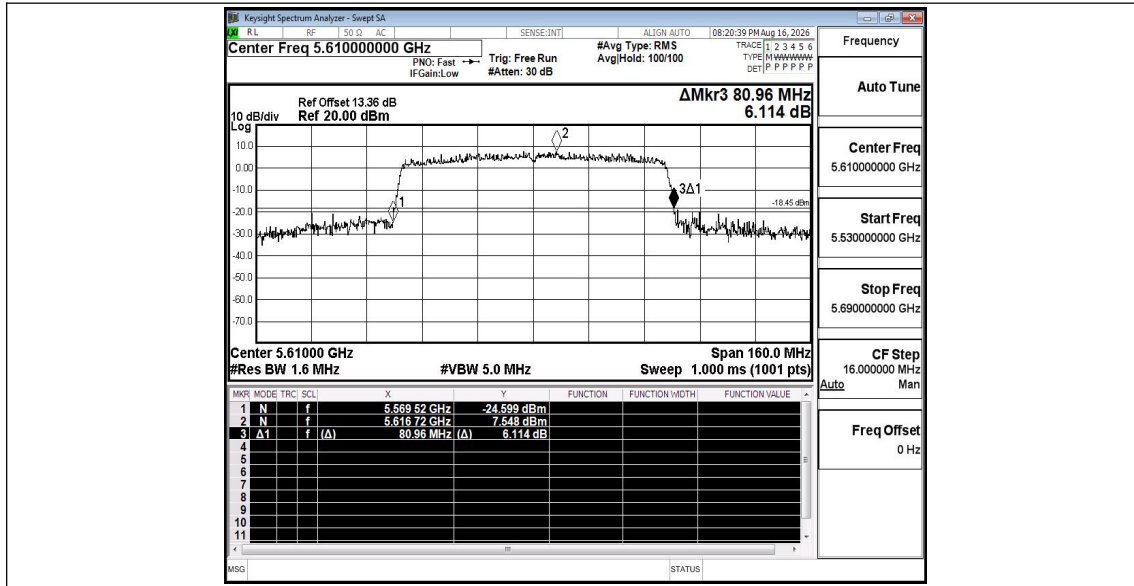
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



D.2 Maximum Conducted Output Power

Test Result Channel Power

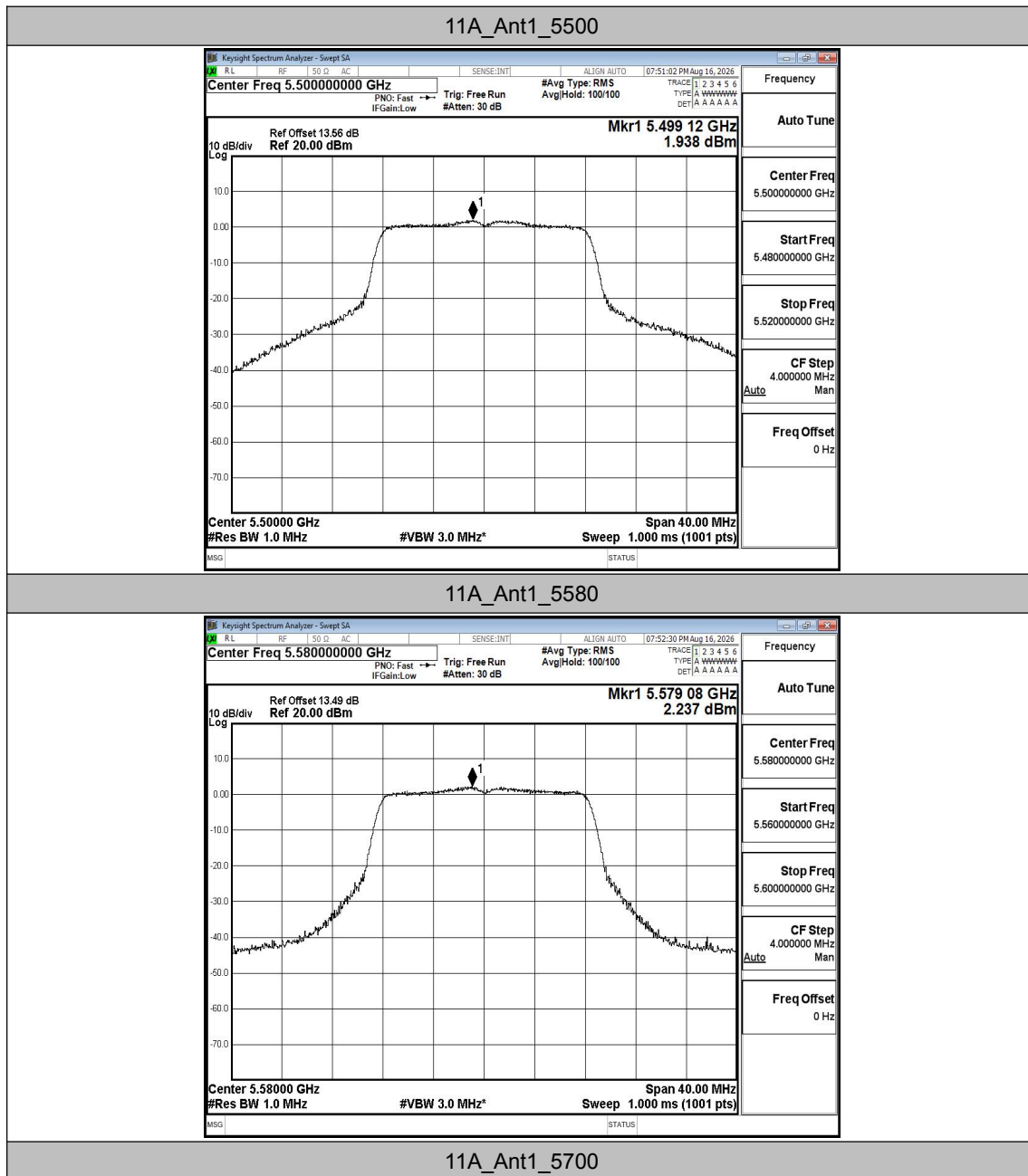
Test Mode	Antenna	Freq(MHz)	TPC Mode	Measured Power [dBm]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	NA	13.43	0.15	13.58	≤23.98	PASS
		5580	NA	13.49	0.18	13.67	≤23.98	PASS
		5700	NA	13.97	0.18	14.15	≤23.98	PASS
11N20SISO	Ant1	5500	NA	13.93	0.16	14.09	≤23.98	PASS
		5580	NA	14.06	0.19	14.25	≤23.98	PASS
		5700	NA	13.30	0.23	13.53	≤23.98	PASS
11N40SISO	Ant1	5510	NA	13.85	0.38	14.23	≤23.98	PASS
		5550	NA	13.89	0.32	14.21	≤23.98	PASS
		5670	NA	13.35	0.32	13.67	≤23.98	PASS
11AC20SISO	Ant1	5500	NA	14.00	0.43	14.43	≤23.98	PASS
		5580	NA	14.30	0.51	14.81	≤23.98	PASS
		5700	NA	13.76	0.43	14.19	≤23.98	PASS
11AC40SISO	Ant1	5510	NA	13.78	0.90	14.68	≤23.98	PASS
		5550	NA	13.86	0.90	14.76	≤23.98	PASS
		5670	NA	13.56	0.76	14.32	≤23.98	PASS
11AC80SISO	Ant1	5530	NA	12.59	1.25	13.84	≤23.98	PASS
		5610	NA	12.84	1.46	14.30	≤23.98	PASS

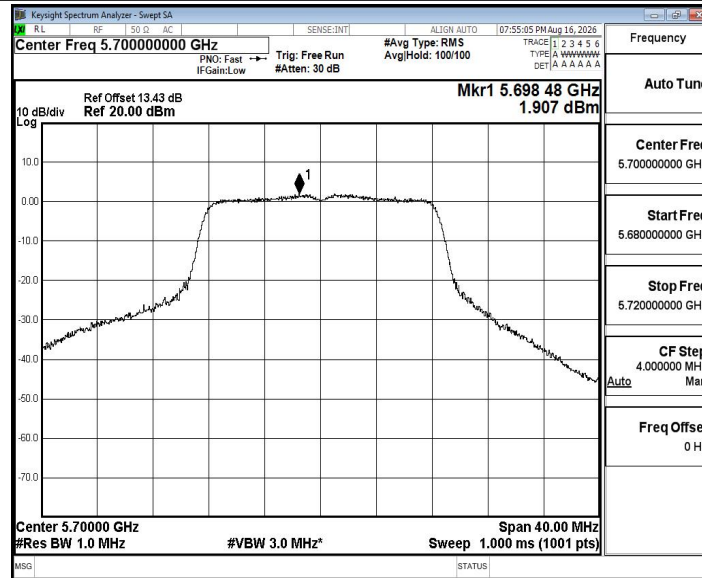
D.3 Maximum power spectral density

Test Result

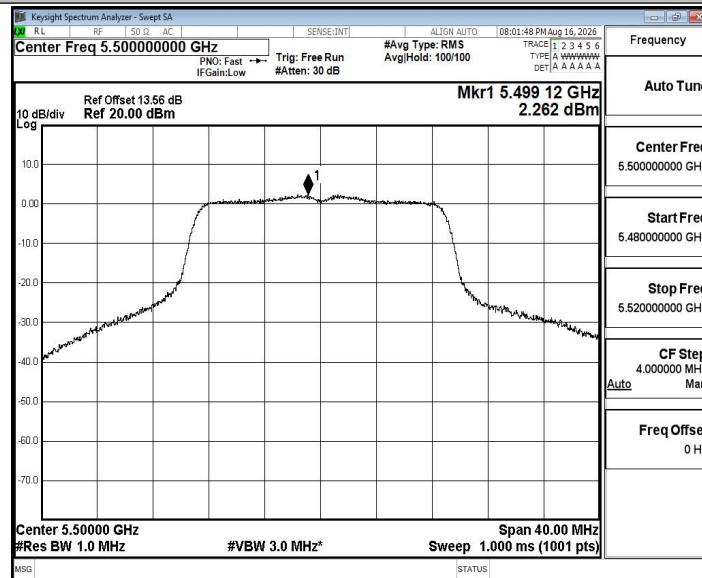
TestMode	Antenna	Freq (MHz)	Raw Data [dBm/MHz]	DC Factor	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5500	1.94	0.15	2.09	≤11.00	PASS
		5580	2.24	0.18	2.42	≤11.00	PASS
		5700	1.91	0.18	2.09	≤11.00	PASS
11N20SISO	Ant1	5500	2.26	0.16	2.42	≤11.00	PASS
		5580	2.23	0.19	2.42	≤11.00	PASS
		5700	1.25	0.23	1.48	≤11.00	PASS
11N40SISO	Ant1	5510	-0.02	0.38	0.36	≤11.00	PASS
		5550	-0.26	0.32	0.06	≤11.00	PASS
		5670	-1.02	0.32	-0.70	≤11.00	PASS
11AC20SISO	Ant1	5500	2.51	0.43	2.94	≤11.00	PASS
		5580	3.01	0.51	3.52	≤11.00	PASS
		5700	1.53	0.43	1.96	≤11.00	PASS
11AC40SISO	Ant1	5510	0.02	0.90	0.92	≤11.00	PASS
		5550	-0.35	0.90	0.55	≤11.00	PASS
		5670	-0.83	0.76	-0.07	≤11.00	PASS
11AC80SISO	Ant1	5530	-4.05	1.25	-2.80	≤11.00	PASS
		5610	-3.72	1.46	-2.26	≤11.00	PASS

Test Graphs

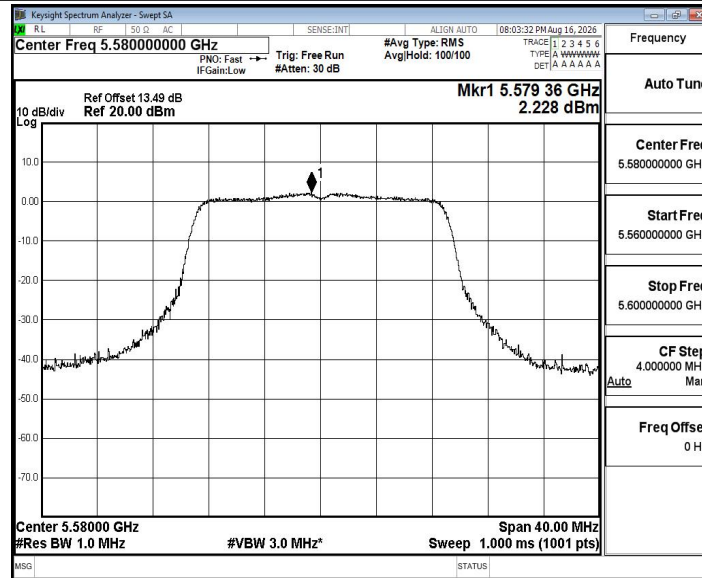




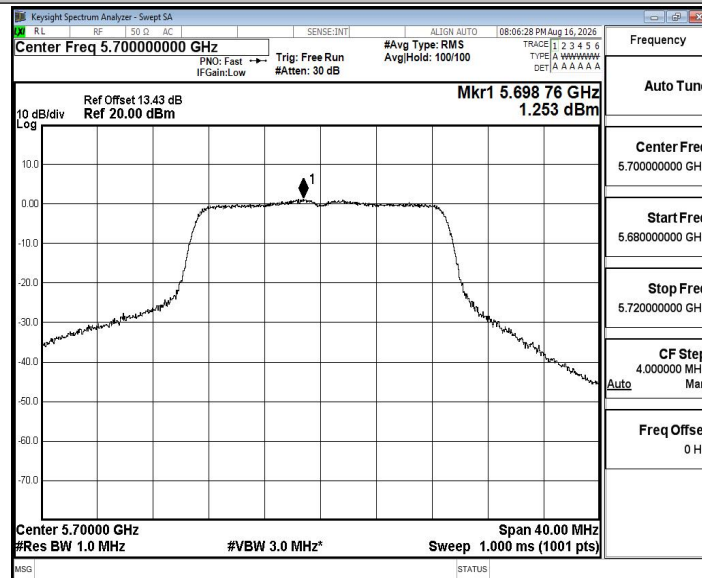
11N20SISO_Ant1_5500



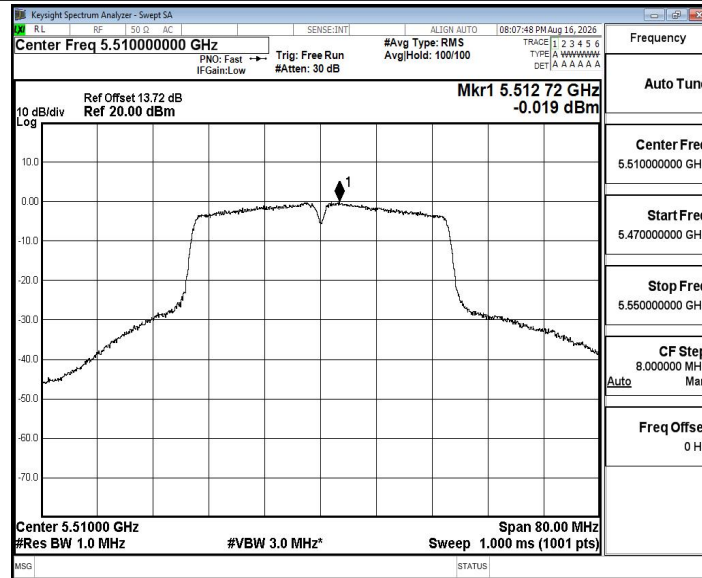
11N20SISO_Ant1_5580



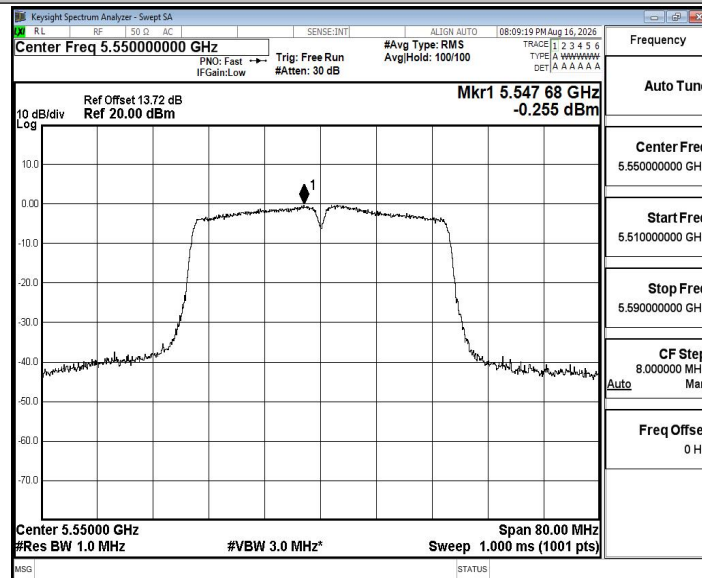
11N20SISO_Ant1_5700



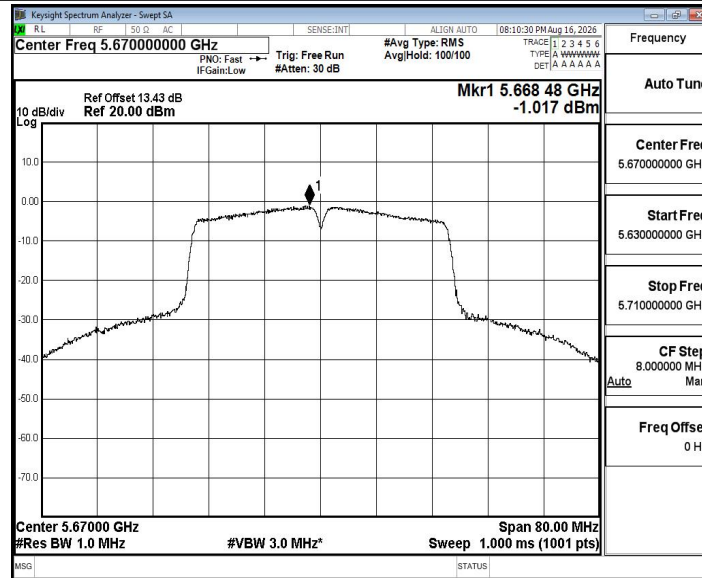
11N40SISO_Ant1_5510



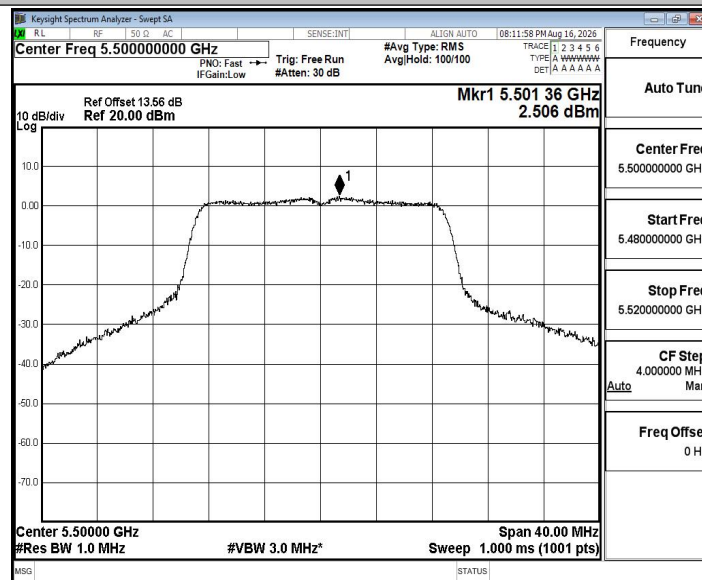
11N40SISO_Ant1_5550



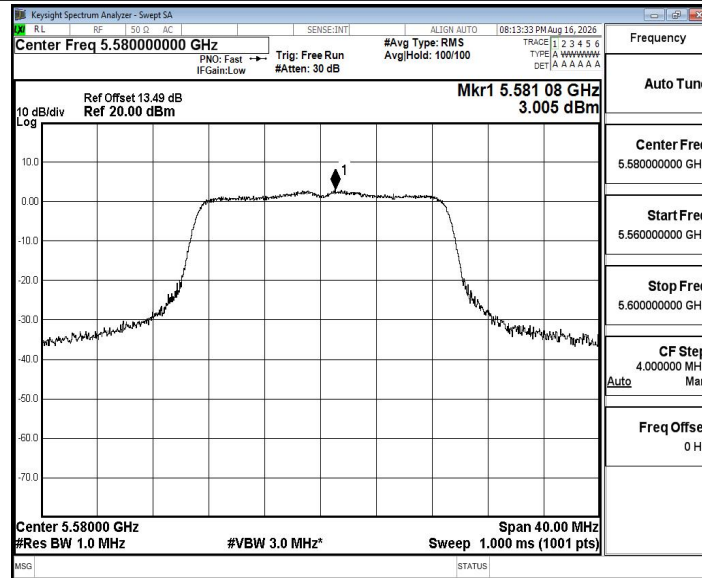
11N40SISO_Ant1_5670



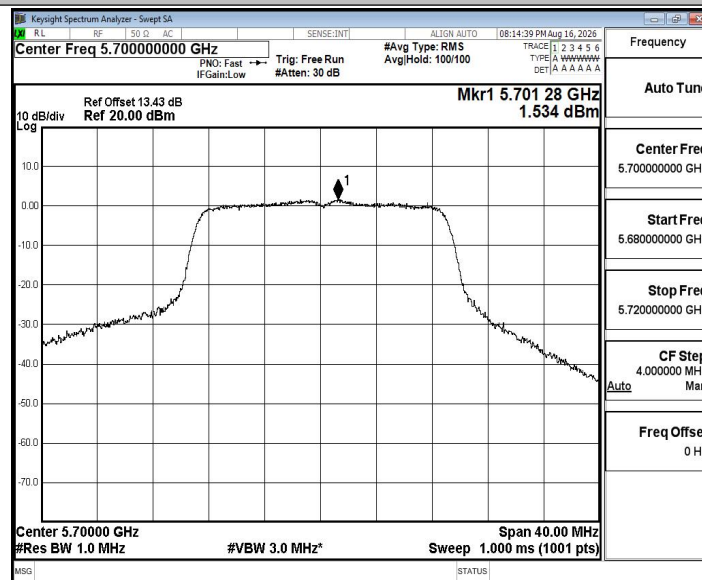
11AC20SISO_Ant1_5500



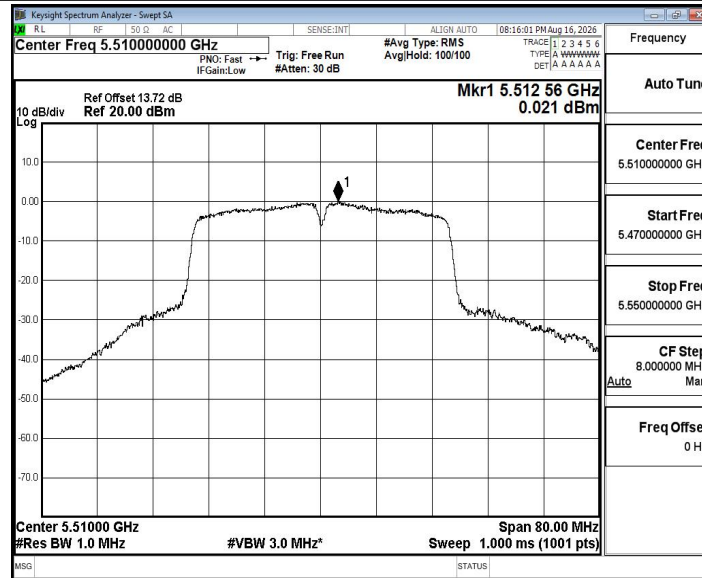
11AC20SISO_Ant1_5580



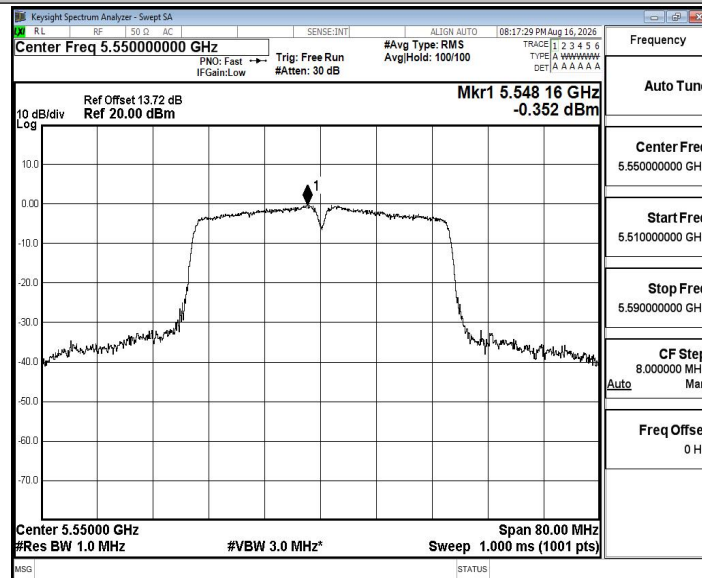
11AC20SISO_Ant1_5700



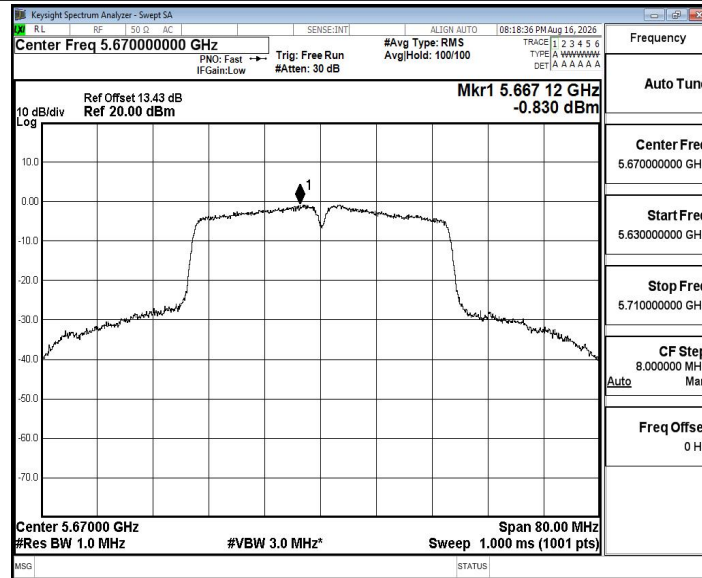
11AC40SISO_Ant1_5510



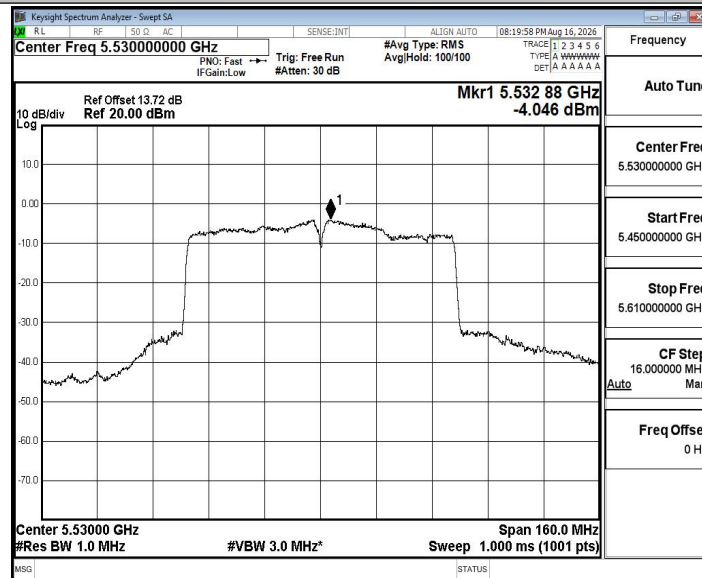
11AC40SISO_Ant1_5550



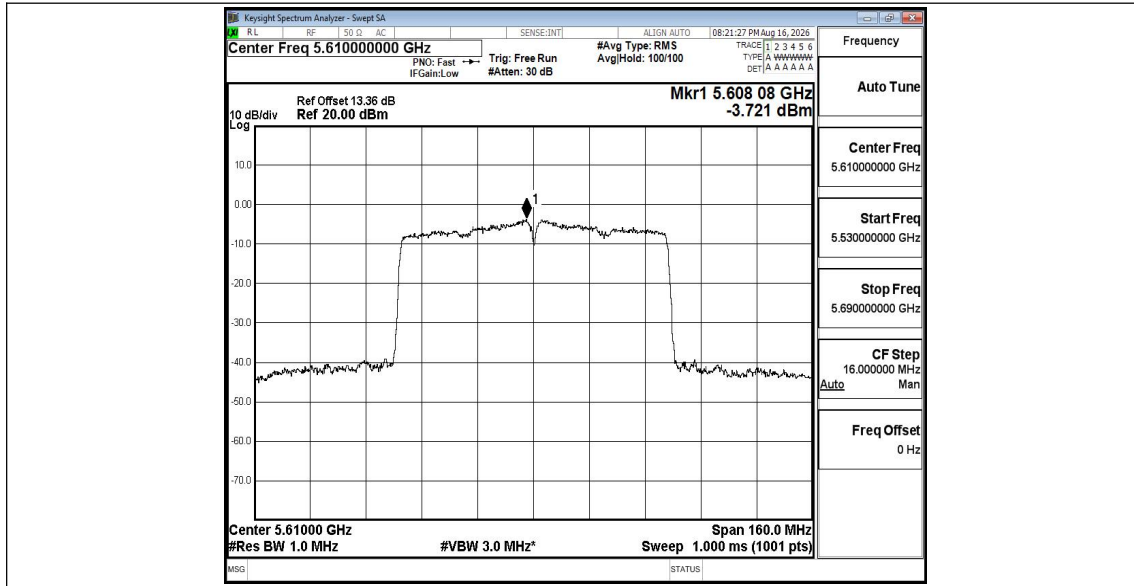
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



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	5500	AV	5350.000	-57.12	≤-43.35	3.71	0.15	41.94	≤54	PASS
				AV	5420.330	-54.95	≤-43.35	3.71	0.15	44.11	≤54	PASS
				AV	5460.000	-56.82	≤-43.35	3.71	0.15	42.24	≤54	PASS
				Peak	5350.000	-48.08	≤-29.00	3.71	0	50.83	≤68.2	PASS
				Peak	5412.140	-45.91	≤-29.00	3.71	0	53.00	≤68.2	PASS
				Peak	5460.000	-46.89	≤-29.00	3.71	0	52.02	≤68.2	PASS
		High	5700	AV	5725.000	-52.83	≤-43.38	3.71	0.18	46.26	≤54	PASS
				AV	5726.290	-52.67	≤-43.38	3.71	0.18	46.42	≤54	PASS
				AV	5735.000	-55.07	≤-43.38	3.71	0.18	44.02	≤54	PASS
				Peak	5725.000	-42.06	≤-29.00	3.71	0	56.85	≤68.2	PASS
				Peak	5725.340	-40.94	≤-29.00	3.71	0	57.97	≤68.2	PASS
				Peak	5735.000	-46.34	≤-29.00	3.71	0	52.57	≤68.2	PASS
11N20SISO	Ant1	Low	5500	AV	5350.000	-57.23	≤-43.36	3.71	0.16	41.84	≤54	PASS
				AV	5419.910	-56	≤-43.36	3.71	0.16	43.07	≤54	PASS
				AV	5460.000	-56.74	≤-43.36	3.71	0.16	42.33	≤54	PASS
				Peak	5350.000	-50.09	≤-29.00	3.71	0	48.82	≤68.2	PASS
				Peak	5416.970	-46.79	≤-29.00	3.71	0	52.12	≤68.2	PASS
				Peak	5460.000	-47.99	≤-29.00	3.71	0	50.92	≤68.2	PASS
		High	5700	AV	5725.000	-54.71	≤-43.43	3.71	0.23	44.43	≤54	PASS
				AV	5725.720	-54.05	≤-43.43	3.71	0.23	45.09	≤54	PASS
				AV	5735.000	-56.05	≤-43.43	3.71	0.23	43.09	≤54	PASS
				Peak	5725.000	-44.71	≤-29.00	3.71	0	54.20	≤68.2	PASS
				Peak	5725.150	-43.12	≤-29.00	3.71	0	55.79	≤68.2	PASS
				Peak	5735.000	-48.31	≤-29.00	3.71	0	50.60	≤68.2	PASS
11N40SISO	Ant1	Low	5510	AV	5350.000	-55.65	≤-43.58	3.71	0.38	43.64	≤54	PASS
				AV	5459.280	-53.91	≤-43.58	3.71	0.38	45.38	≤54	PASS
				AV	5460.000	-54.62	≤-43.58	3.71	0.38	44.67	≤54	PASS
				Peak	5350.000	-46.18	≤-29.00	3.71	0	52.73	≤68.2	PASS
				Peak	5459.500	-43	≤-29.00	3.71	0	55.91	≤68.2	PASS
				Peak	5460.000	-46.53	≤-29.00	3.71	0	52.38	≤68.2	PASS
		High	5670	AV	5725.000	-54.96	≤-43.52	3.71	0.32	44.27	≤54	PASS
				AV	5726.360	-54.95	≤-43.52	3.71	0.32	44.28	≤54	PASS
				AV	5735.000	-56.27	≤-43.52	3.71	0.32	42.96	≤54	PASS
				Peak	5725.000	-47.28	≤-29.00	3.71	0	51.63	≤68.2	PASS

				Peak	5726.590	-44.51	≤-29.00	3.71	0	54.40	≤68.2	PASS
				Peak	5735.000	-46.19	≤-29.00	3.71	0	52.72	≤68.2	PASS
11AC20SISO	Ant1	Low	5500	AV	5350.000	-57.96	≤-43.63	3.71	0.43	41.38	≤54	PASS
				AV	5419.910	-55.83	≤-43.63	3.71	0.43	43.51	≤54	PASS
				AV	5460.000	-56.69	≤-43.63	3.71	0.43	42.65	≤54	PASS
				Peak	5350.000	-49.31	≤-29.00	3.71	0	49.60	≤68.2	PASS
				Peak	5418.650	-46.1	≤-29.00	3.71	0	52.81	≤68.2	PASS
				Peak	5460.000	-48.85	≤-29.00	3.71	0	50.06	≤68.2	PASS
		High	5700	AV	5725.000	-55.37	≤-43.63	3.71	0.43	43.97	≤54	PASS
				AV	5725.720	-55	≤-43.63	3.71	0.43	44.34	≤54	PASS
				AV	5735.000	-56.76	≤-43.63	3.71	0.43	42.58	≤54	PASS
				Peak	5725.000	-46.44	≤-29.00	3.71	0	52.47	≤68.2	PASS
				Peak	5727.810	-45.45	≤-29.00	3.71	0	53.46	≤68.2	PASS
				Peak	5735.000	-48.71	≤-29.00	3.71	0	50.20	≤68.2	PASS
11AC40SISO	Ant1	Low	5510	AV	5350.000	-56.86	≤-44.10	3.71	0.9	42.95	≤54	PASS
				AV	5458.840	-53.37	≤-44.10	3.71	0.9	46.44	≤54	PASS
				AV	5460.000	-53.54	≤-44.10	3.71	0.9	46.27	≤54	PASS
				Peak	5350.000	-49.35	≤-29.00	3.71	0	49.56	≤68.2	PASS
				Peak	5455.540	-42.76	≤-29.00	3.71	0	56.15	≤68.2	PASS
				Peak	5460.000	-44.26	≤-29.00	3.71	0	54.65	≤68.2	PASS
		High	5670	AV	5725.000	-55.02	≤-43.96	3.71	0.76	44.65	≤54	PASS
				AV	5725.440	-54.61	≤-43.96	3.71	0.76	45.06	≤54	PASS
				AV	5735.000	-55.34	≤-43.96	3.71	0.76	44.33	≤54	PASS
				Peak	5725.000	-47.96	≤-29.00	3.71	0	50.95	≤68.2	PASS
				Peak	5726.360	-43.08	≤-29.00	3.71	0	55.83	≤68.2	PASS
				Peak	5735.000	-46.61	≤-29.00	3.71	0	52.30	≤68.2	PASS
11AC80SISO	Ant1	Low	5530	AV	5350.000	-57.85	≤-44.45	3.71	1.25	42.31	≤54	PASS
				AV	5458.760	-45.76	≤-44.45	3.71	1.25	54.40	≤54	PASS
				AV	5460.000	-48.25	≤-44.45	3.71	1.25	51.91	≤54	PASS
				Peak	5350.000	-49.43	≤-29.00	3.71	0	49.48	≤68.2	PASS
				Peak	5438.600	-35.57	≤-29.00	3.71	0	63.34	≤68.2	PASS
				Peak	5460.000	-37.04	≤-29.00	3.71	0	61.87	≤68.2	PASS
		High	5610	AV	5725.000	-54.02	≤-44.66	3.71	1.46	46.35	≤54	PASS
				AV	5729.520	-53.77	≤-44.66	3.71	1.46	46.60	≤54	PASS
				AV	5735.000	-55.07	≤-44.66	3.71	1.46	45.30	≤54	PASS
				Peak	5725.000	-42.94	≤-29.00	3.71	0	55.97	≤68.2	PASS
				Peak	5726.880	-40.84	≤-29.00	3.71	0	58.07	≤68.2	PASS
				Peak	5735.000	-46.19	≤-29.00	3.71	0	52.72	≤68.2	PASS

Note:

1. The Antenna Gain is compensated in the graph.

Guangzhou LCS Compliance Testing Laboratory Ltd.

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