

Appendix B

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: NVR

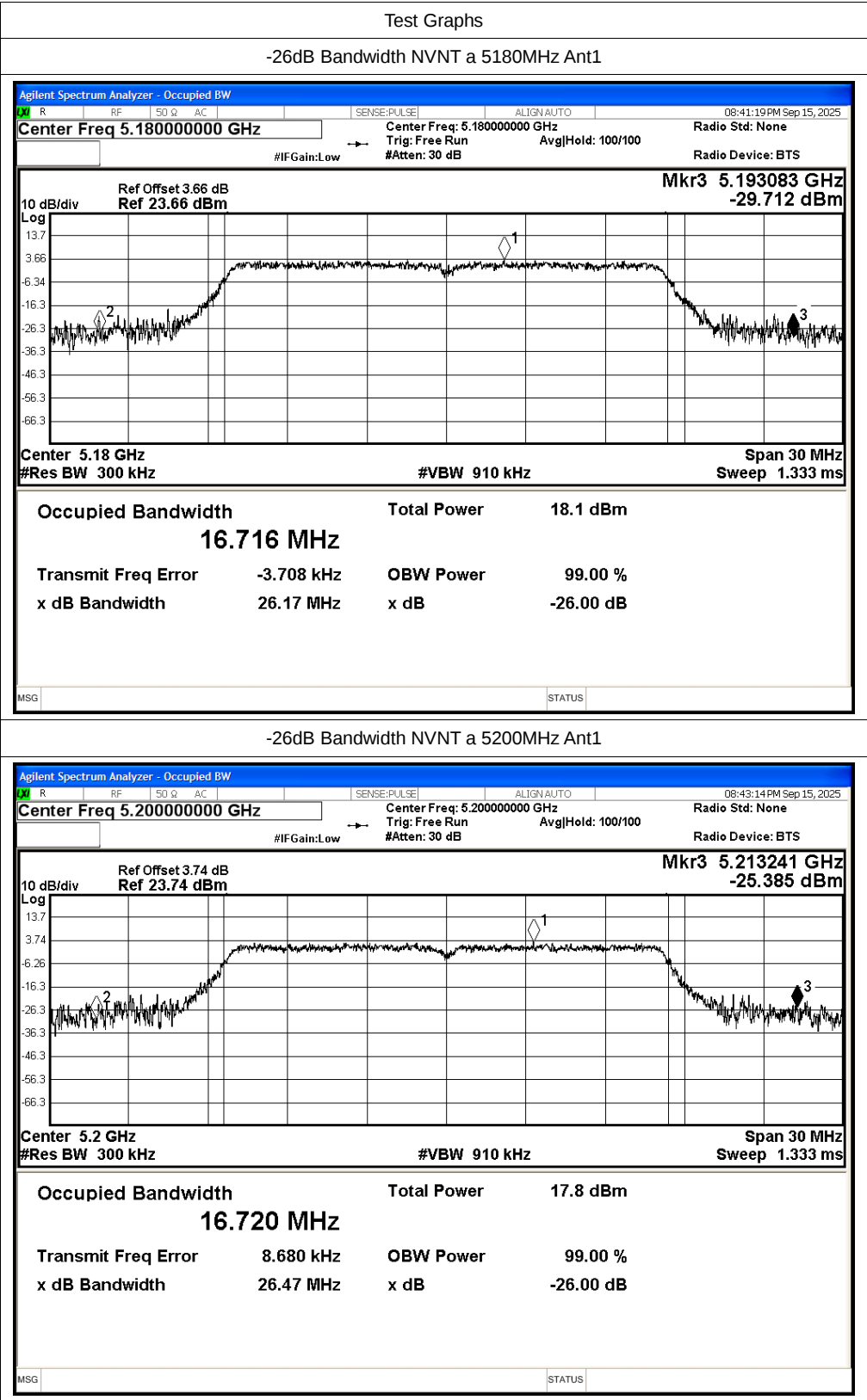
Test Model: NVR-81216

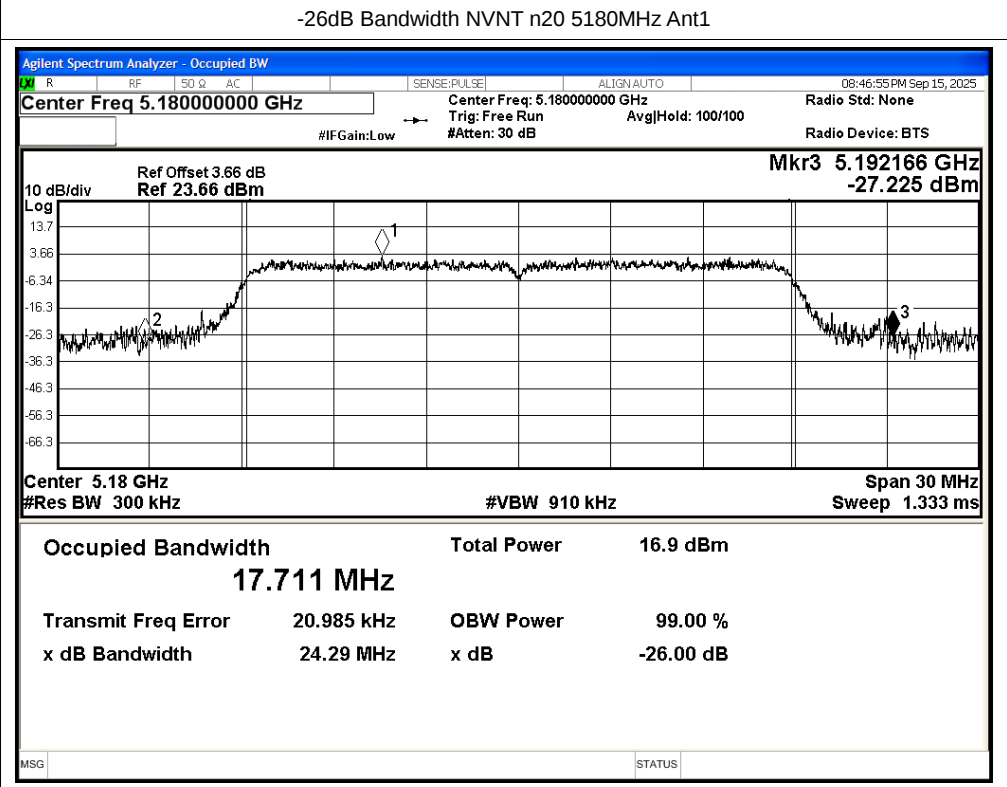
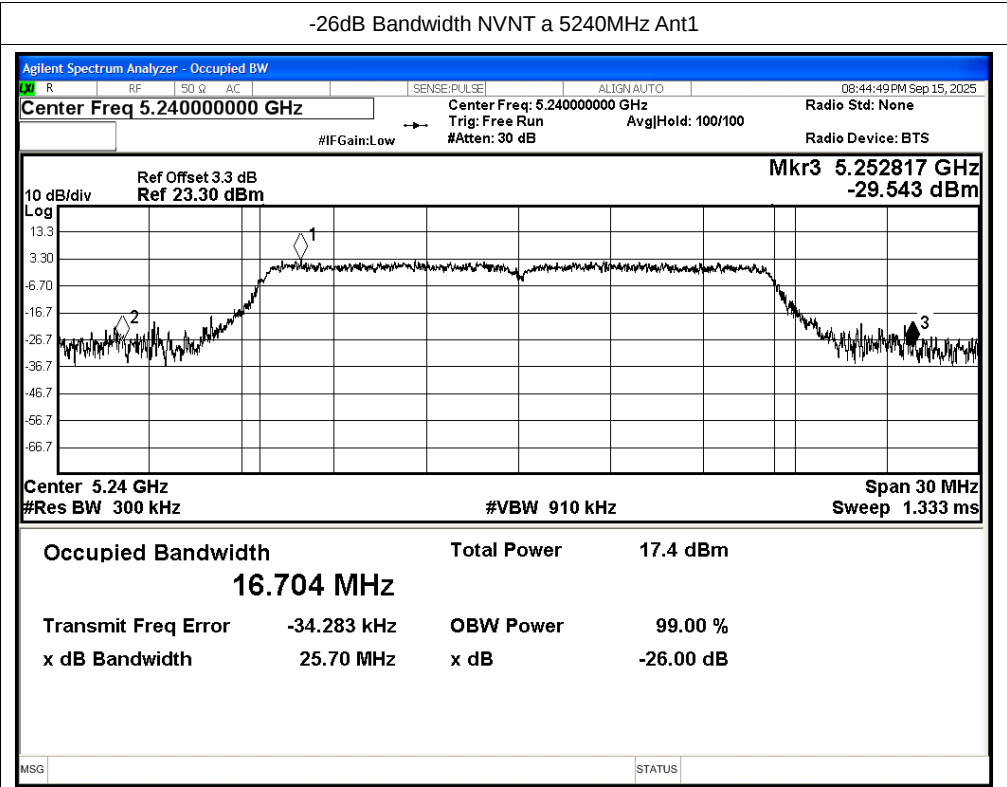
Environmental Conditions

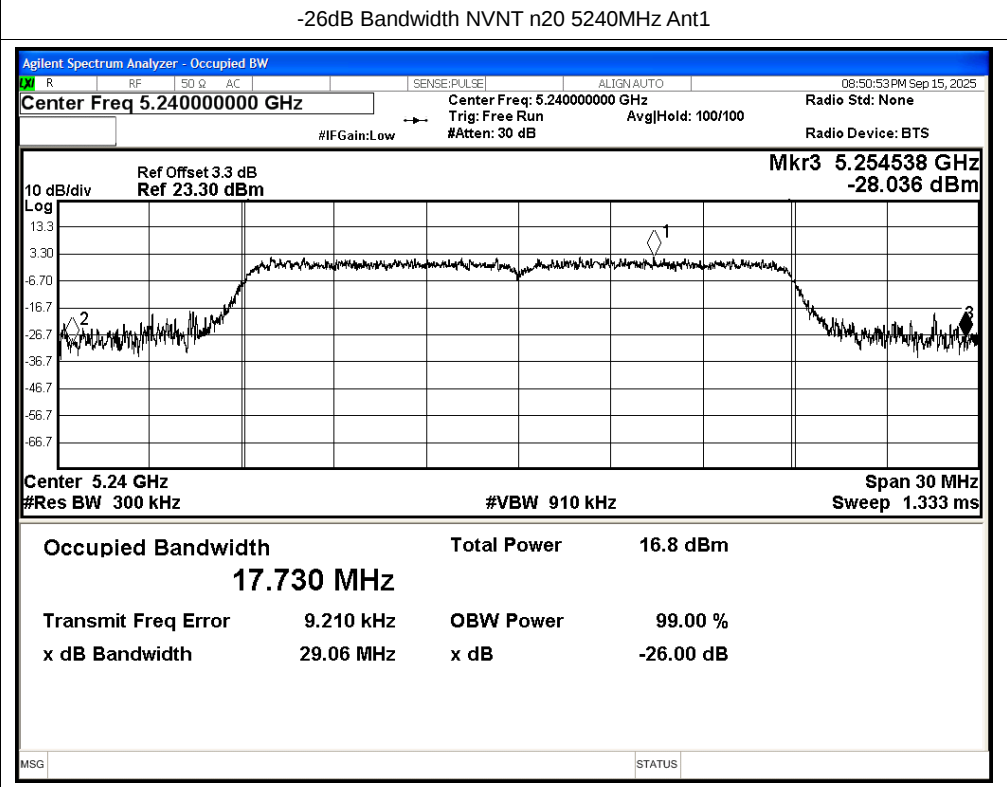
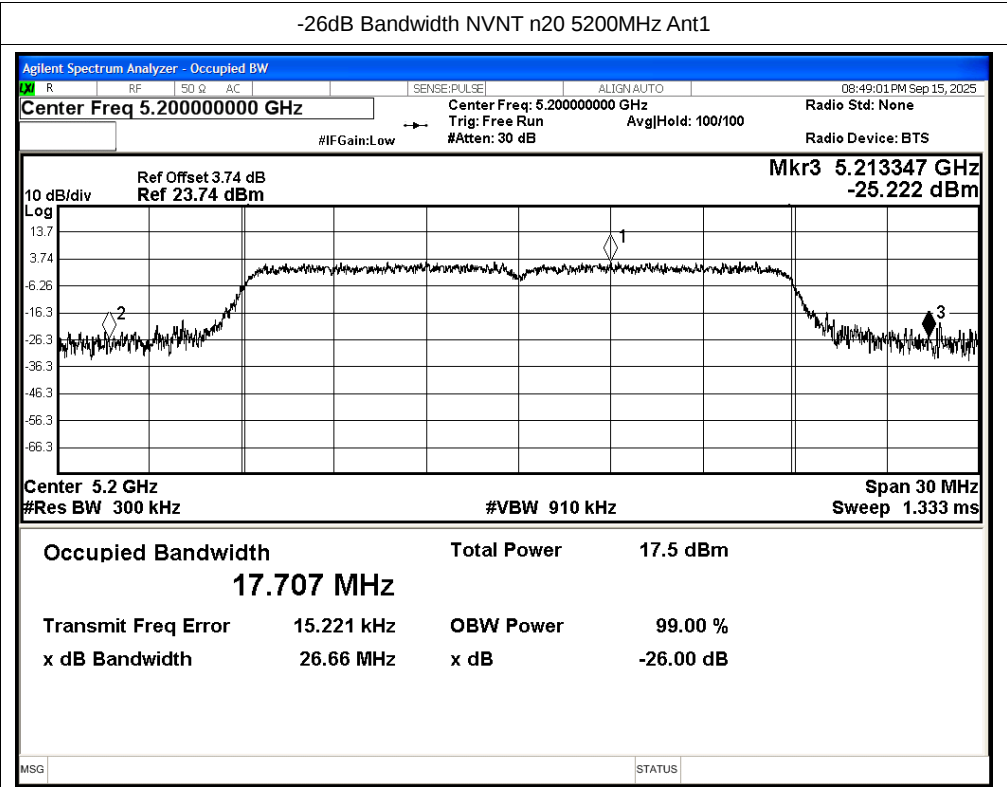
Temperature:	25.2° C
Relative Humidity:	53.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Suichao Lai
Supervised by:	Yan Chen

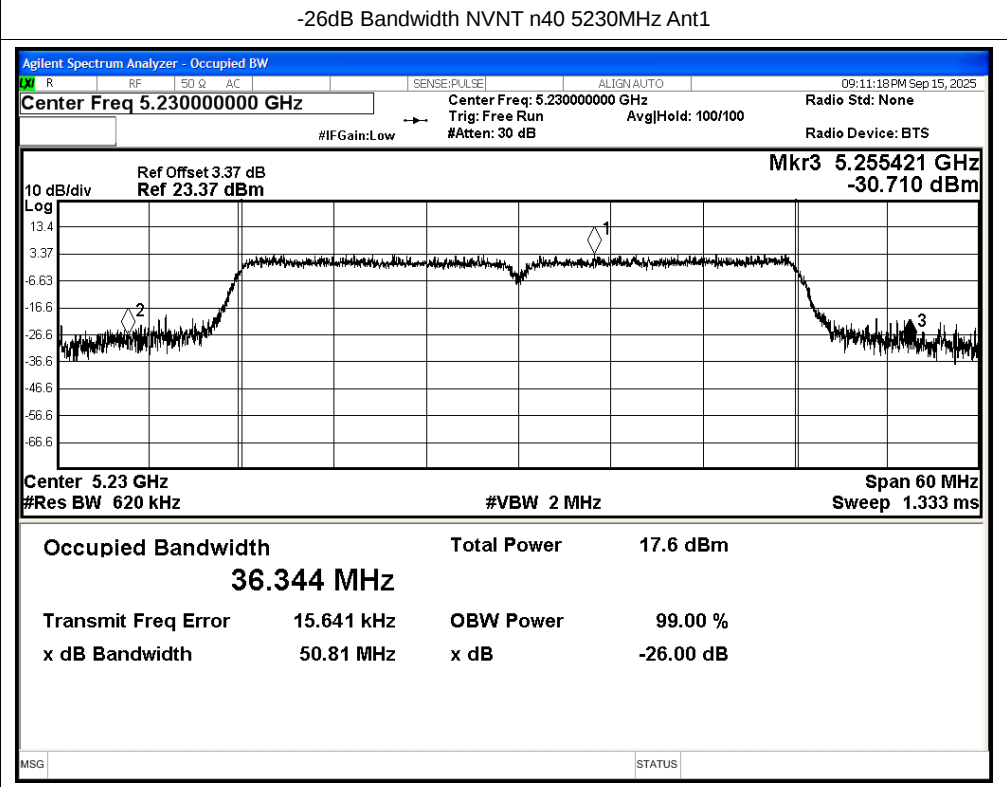
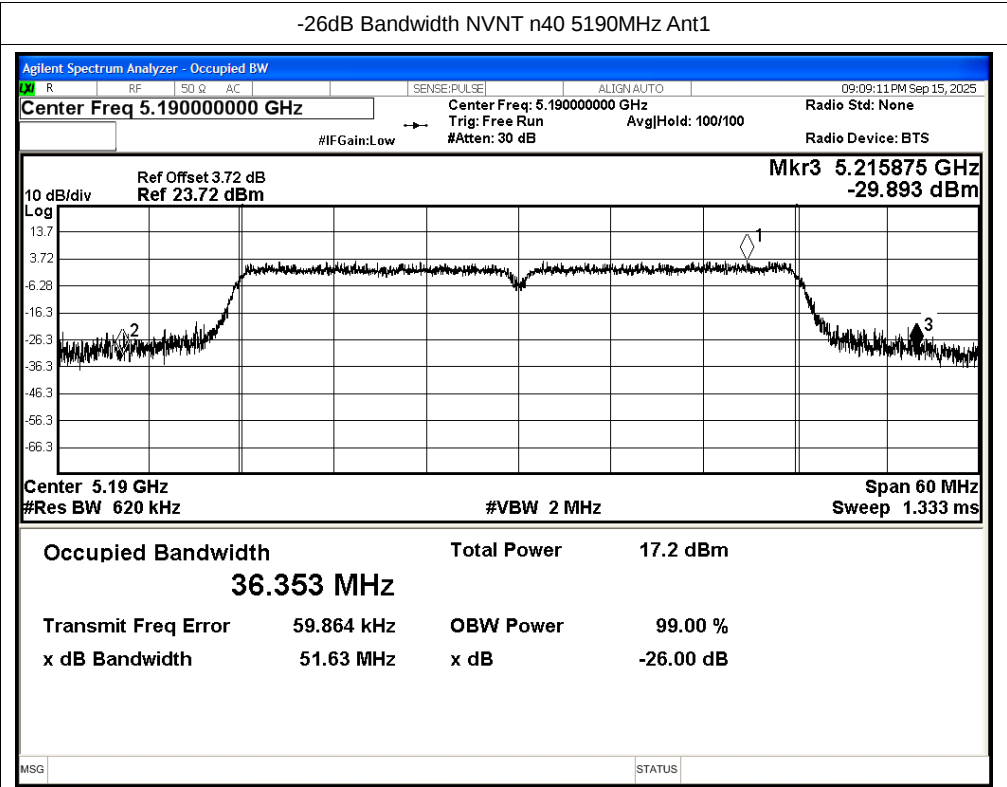
B.1 -26dB Bandwidth

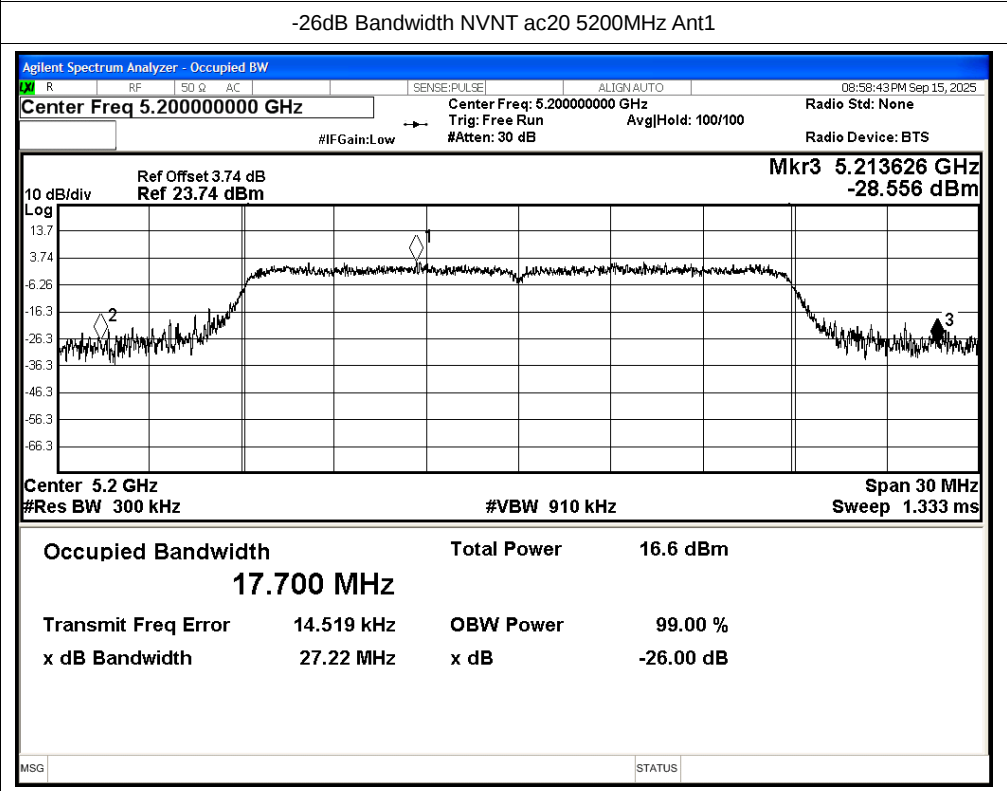
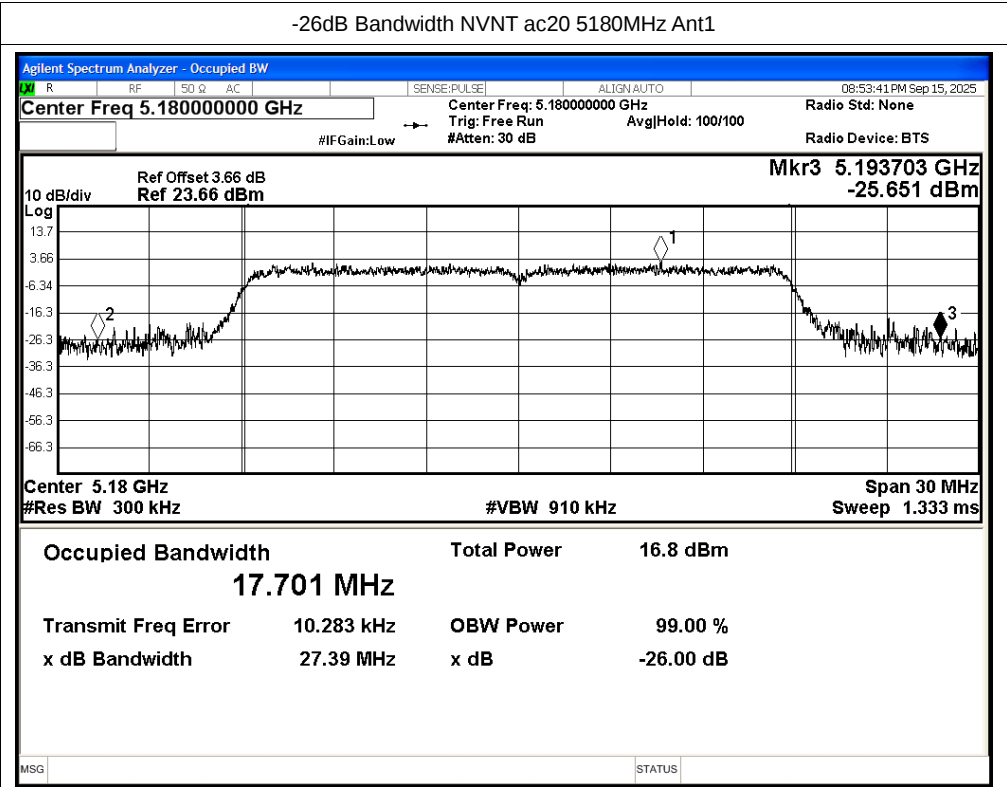
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	26.173	---	Pass
NVNT	a	5200	Ant1	26.465	---	Pass
NVNT	a	5240	Ant1	25.703	---	Pass
NVNT	n20	5180	Ant1	24.291	---	Pass
NVNT	n20	5200	Ant1	26.664	---	Pass
NVNT	n20	5240	Ant1	29.057	---	Pass
NVNT	n40	5190	Ant1	51.631	---	Pass
NVNT	n40	5230	Ant1	50.81	---	Pass
NVNT	ac20	5180	Ant1	27.385	---	Pass
NVNT	ac20	5200	Ant1	27.224	---	Pass
NVNT	ac20	5240	Ant1	27.292	---	Pass
NVNT	ac40	5190	Ant1	46.404	---	Pass
NVNT	ac40	5230	Ant1	48.223	---	Pass
NVNT	ax20	5180	Ant1	27.288	---	Pass
NVNT	ax20	5200	Ant1	27.881	---	Pass
NVNT	ax20	5240	Ant1	28.421	---	Pass
NVNT	ax40	5190	Ant1	48.304	---	Pass
NVNT	ax40	5230	Ant1	44.583	---	Pass

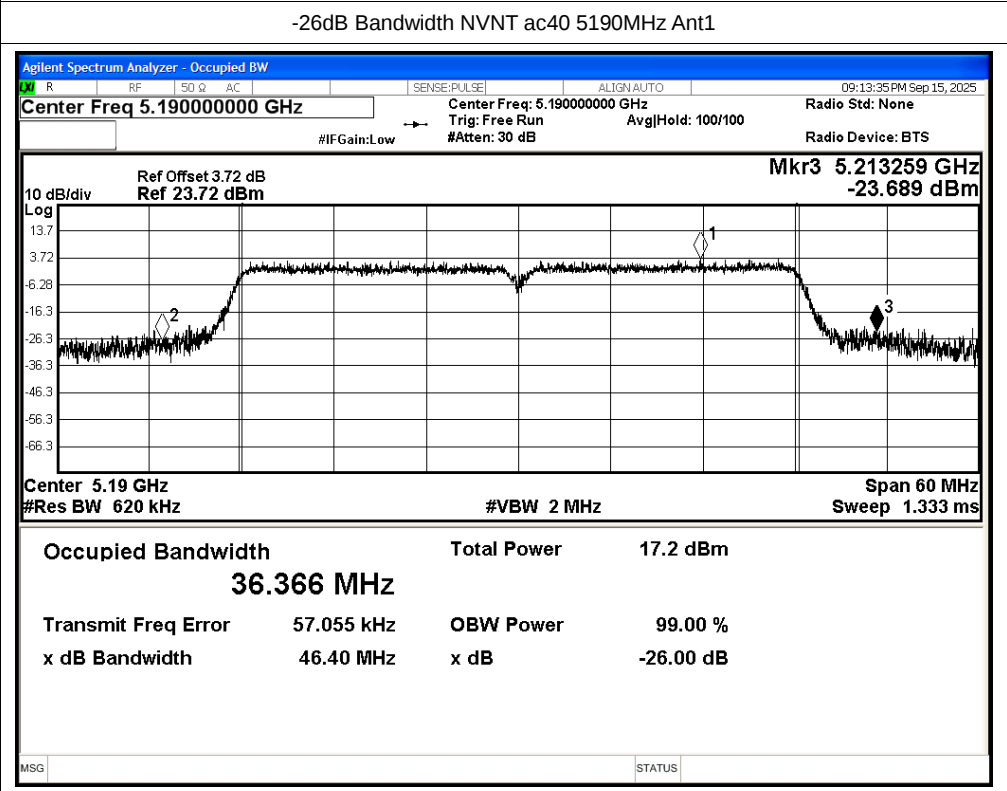
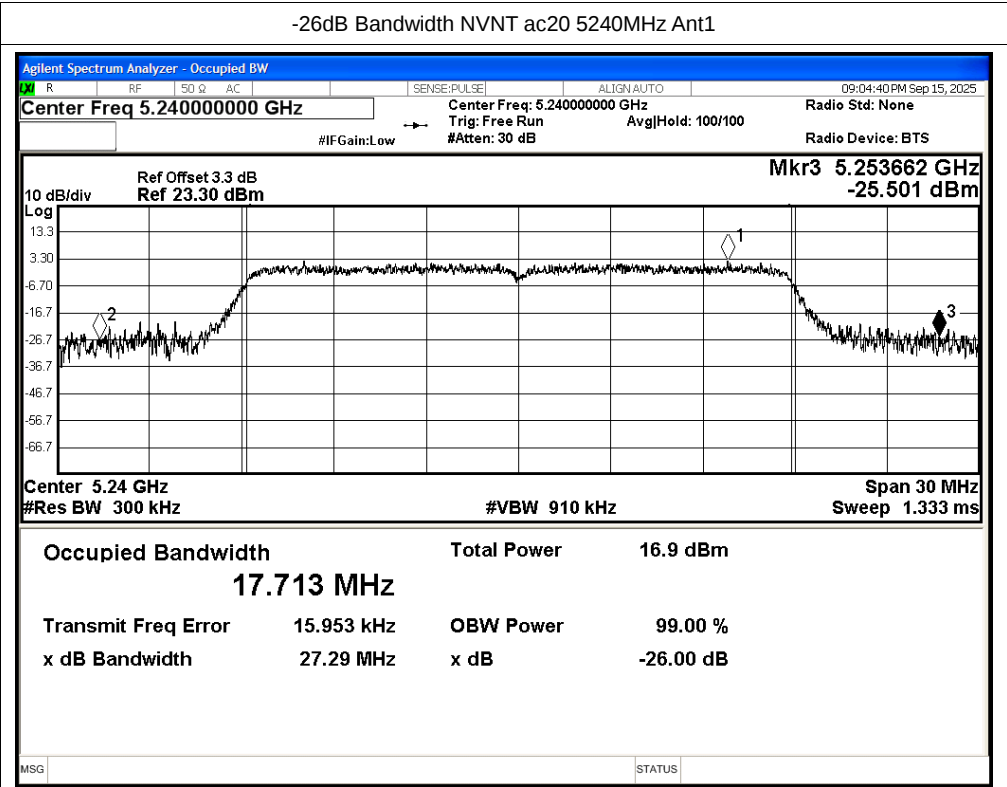


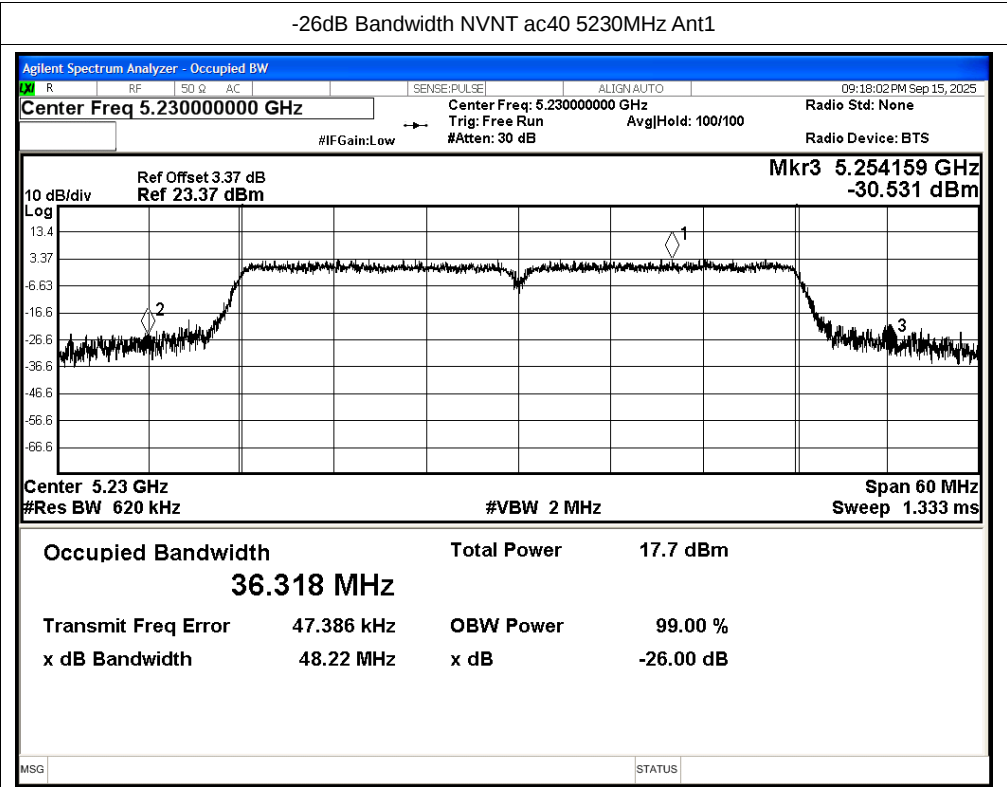


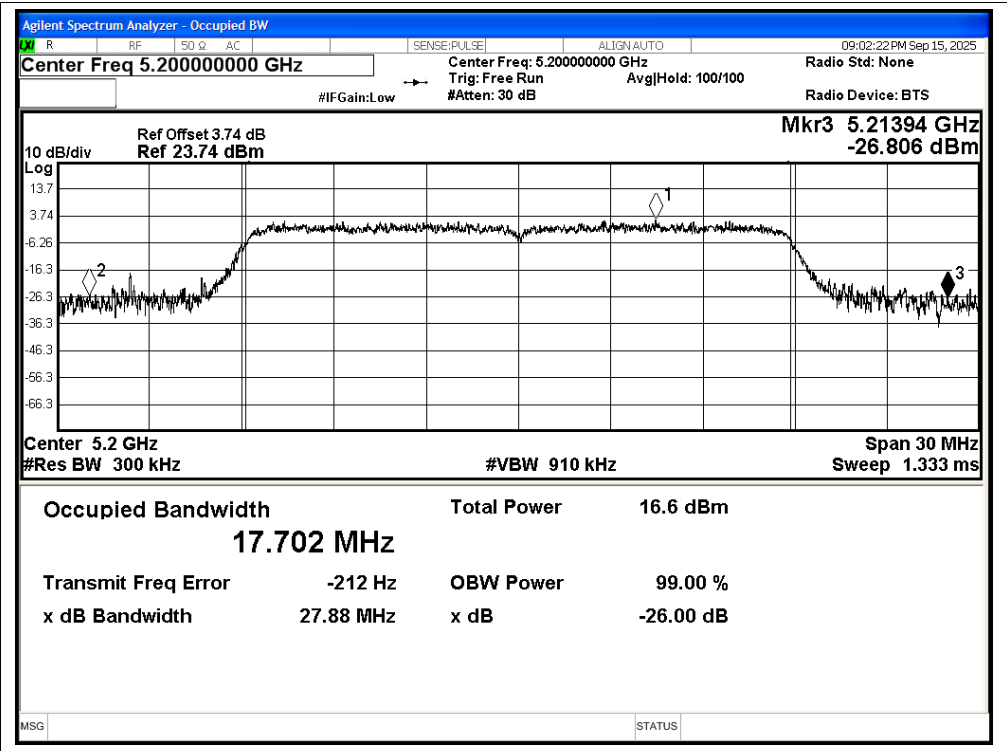


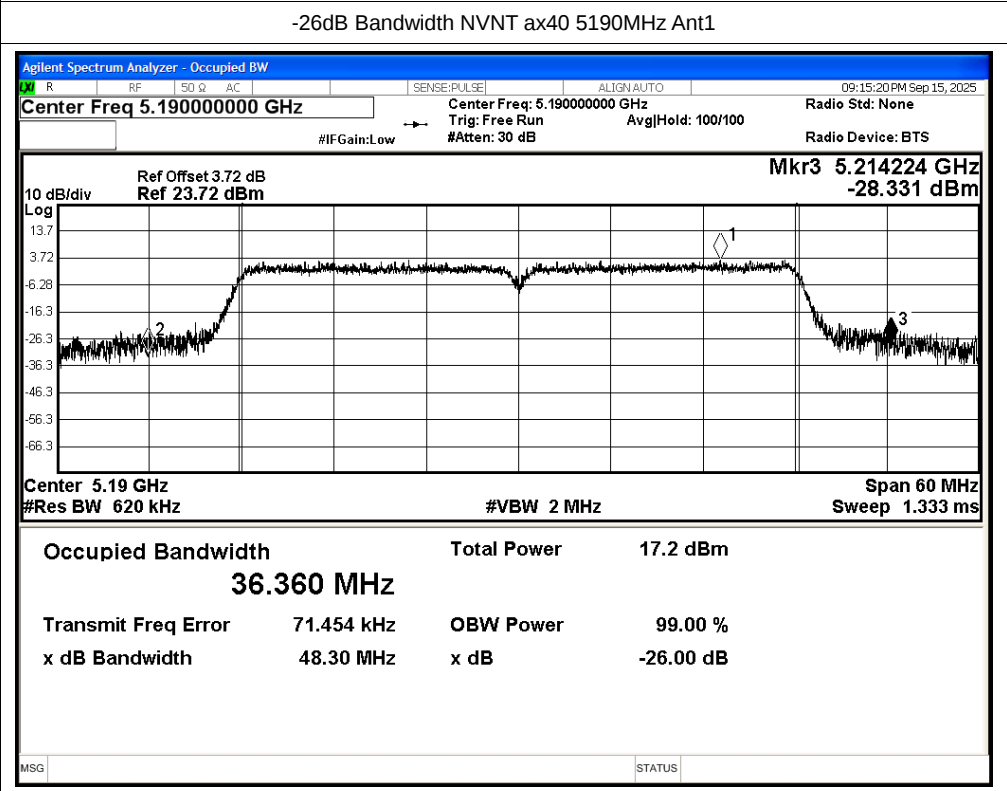
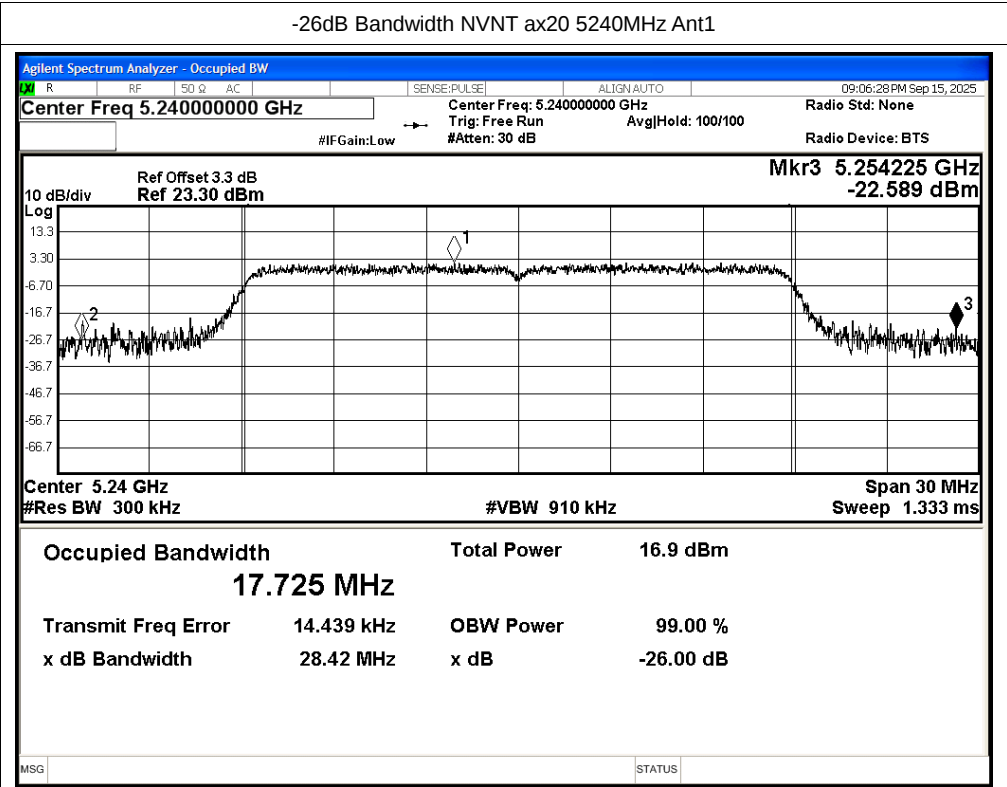


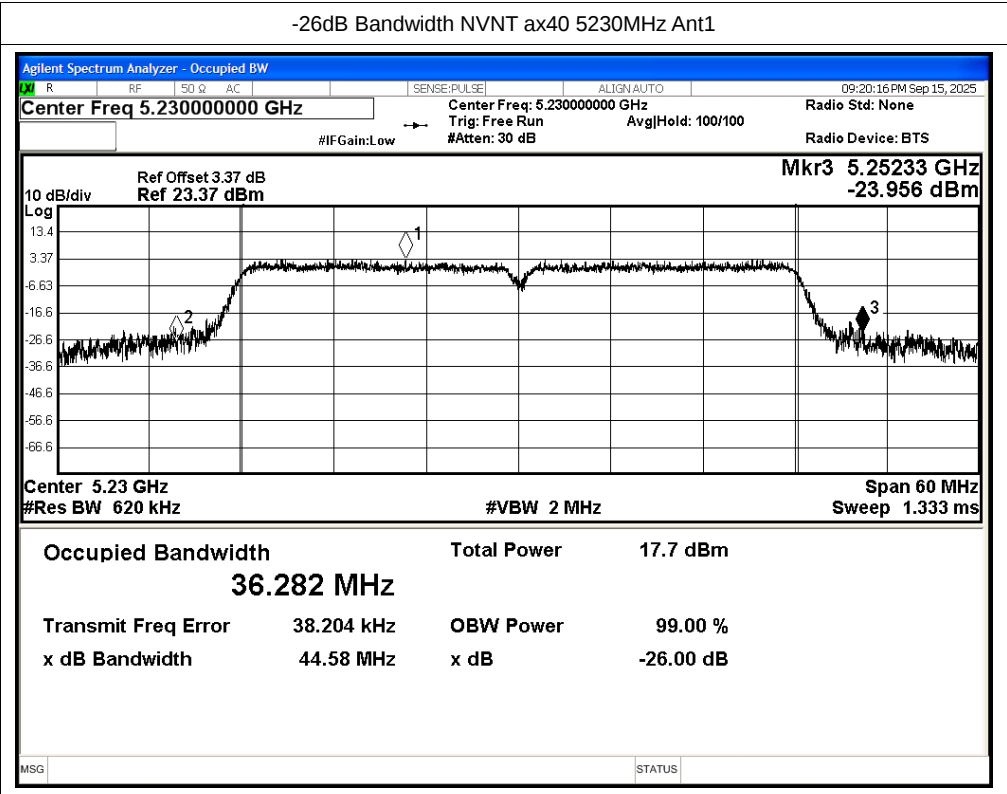




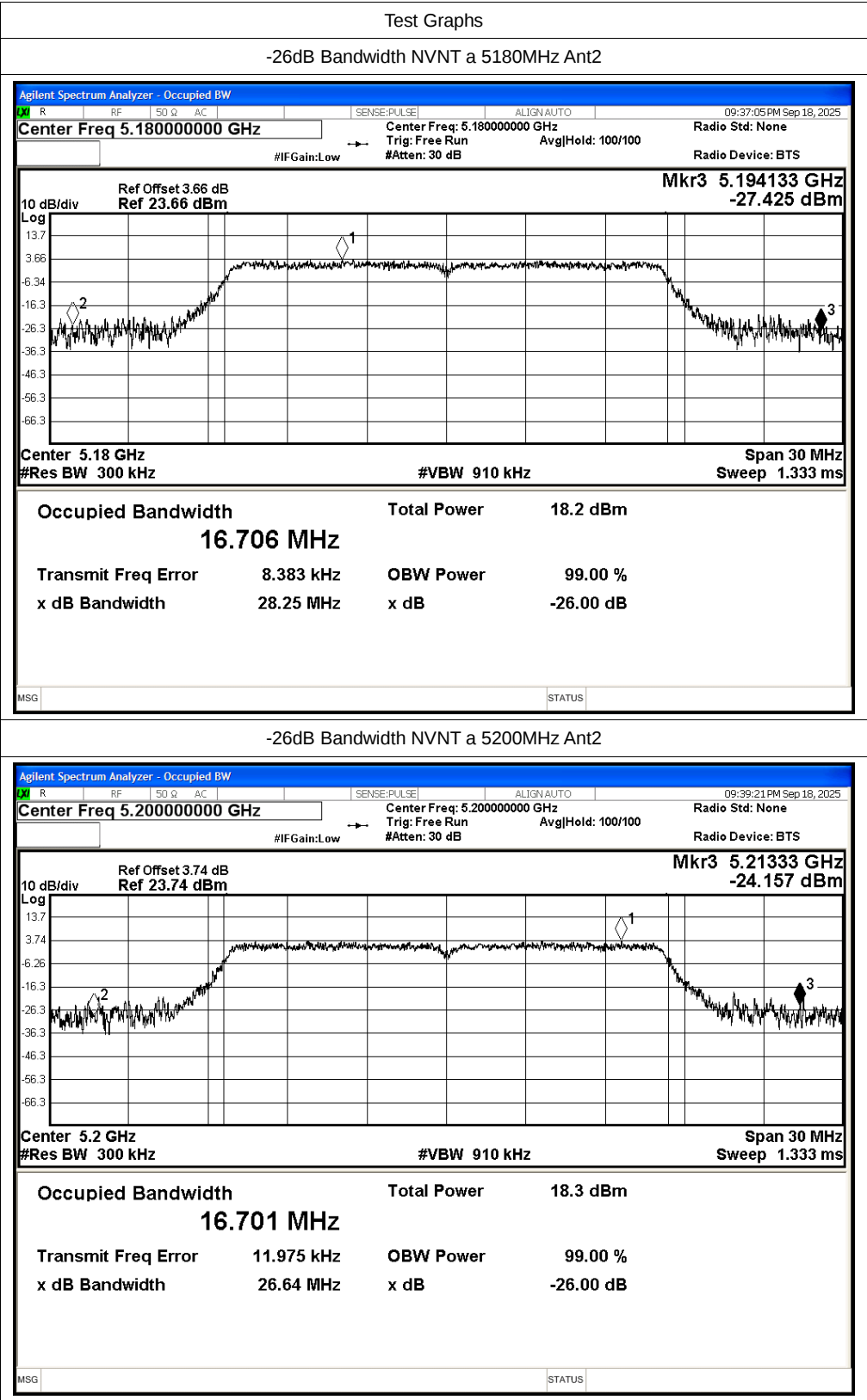


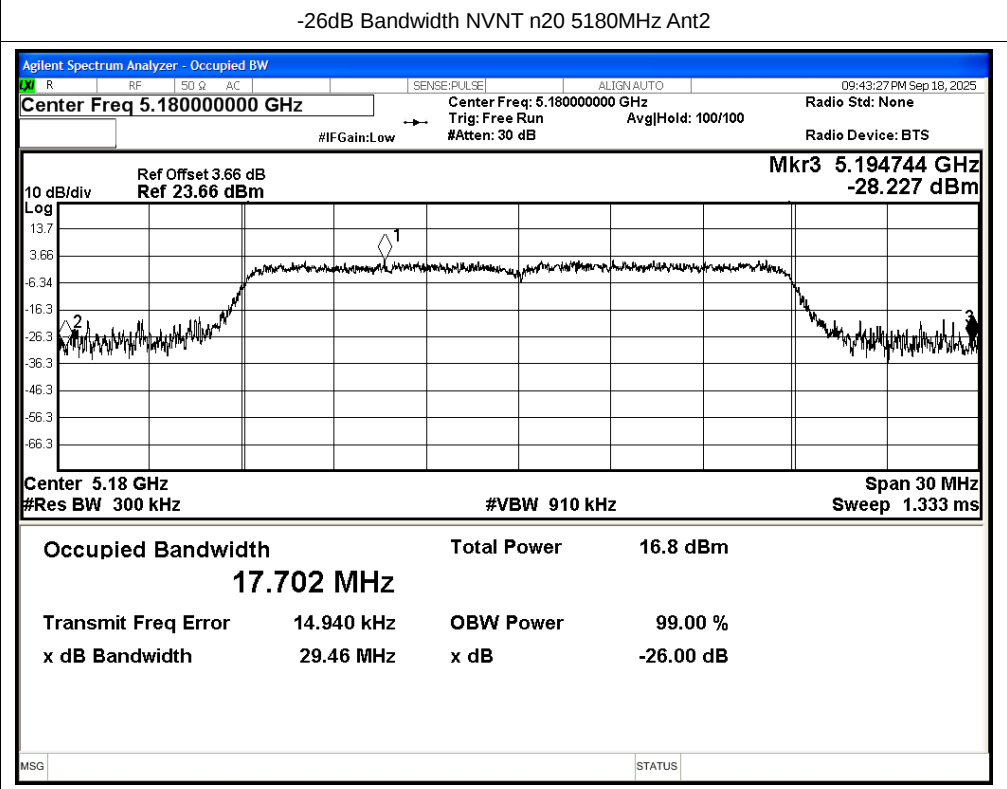
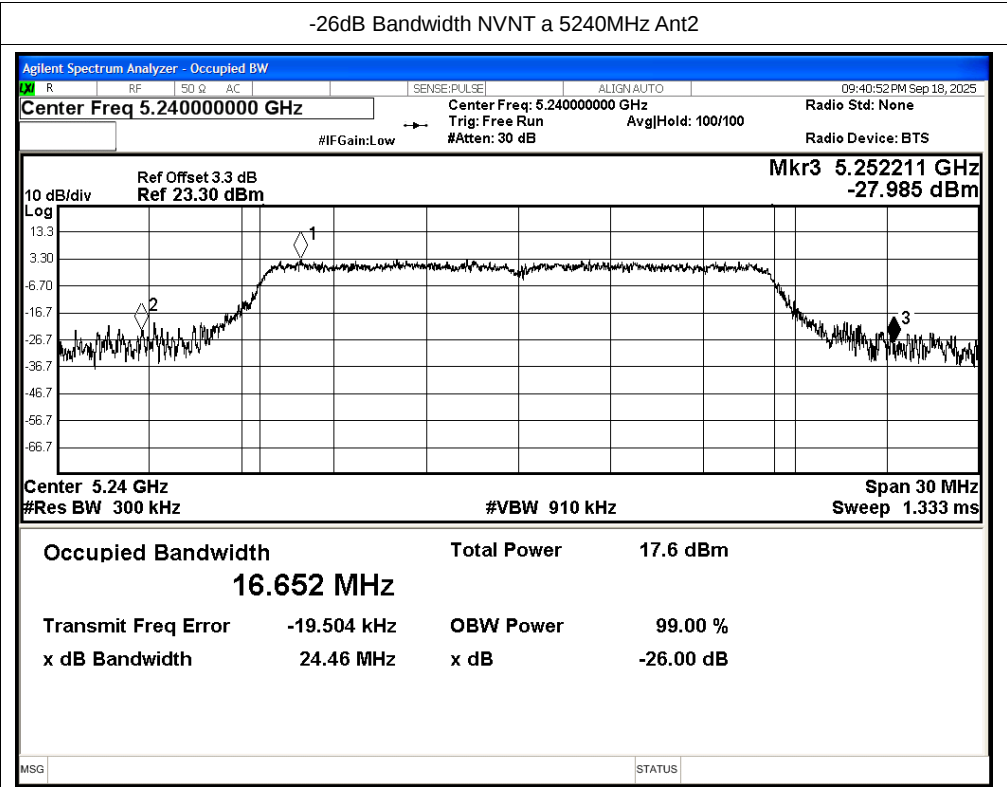


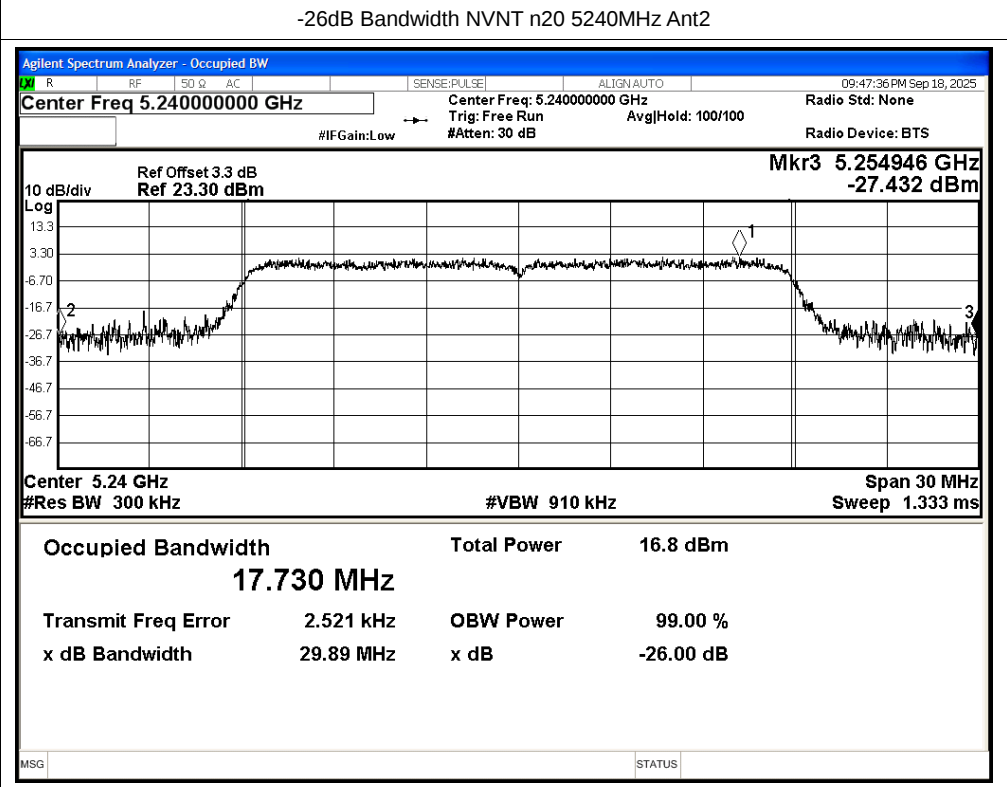
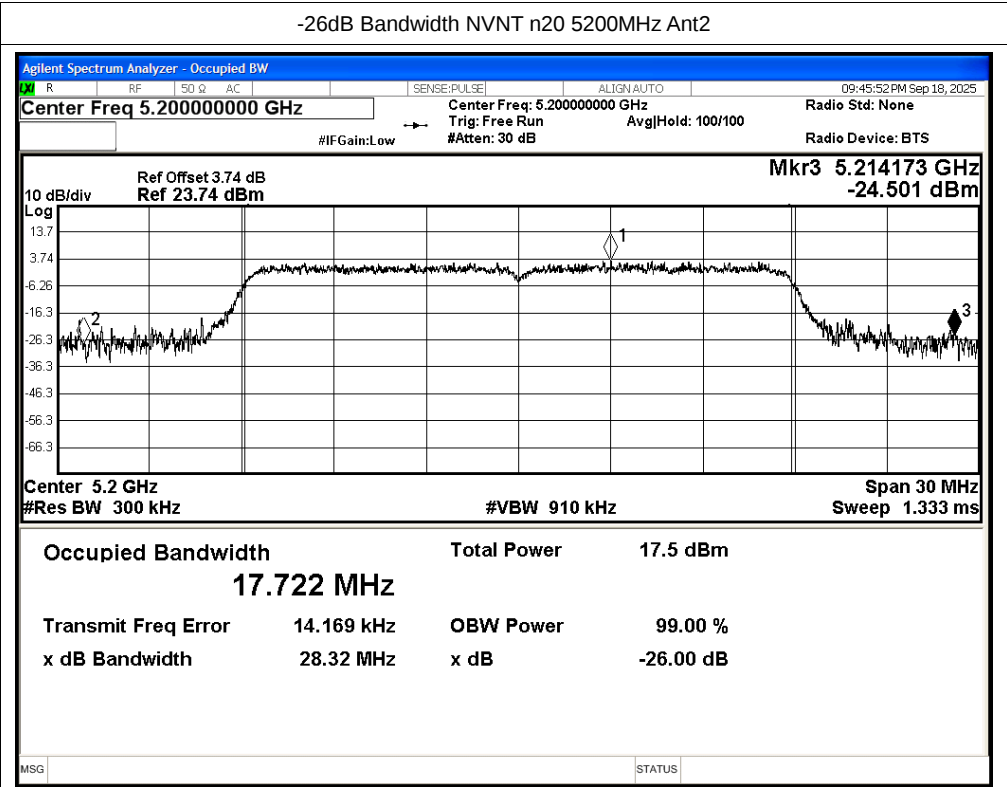


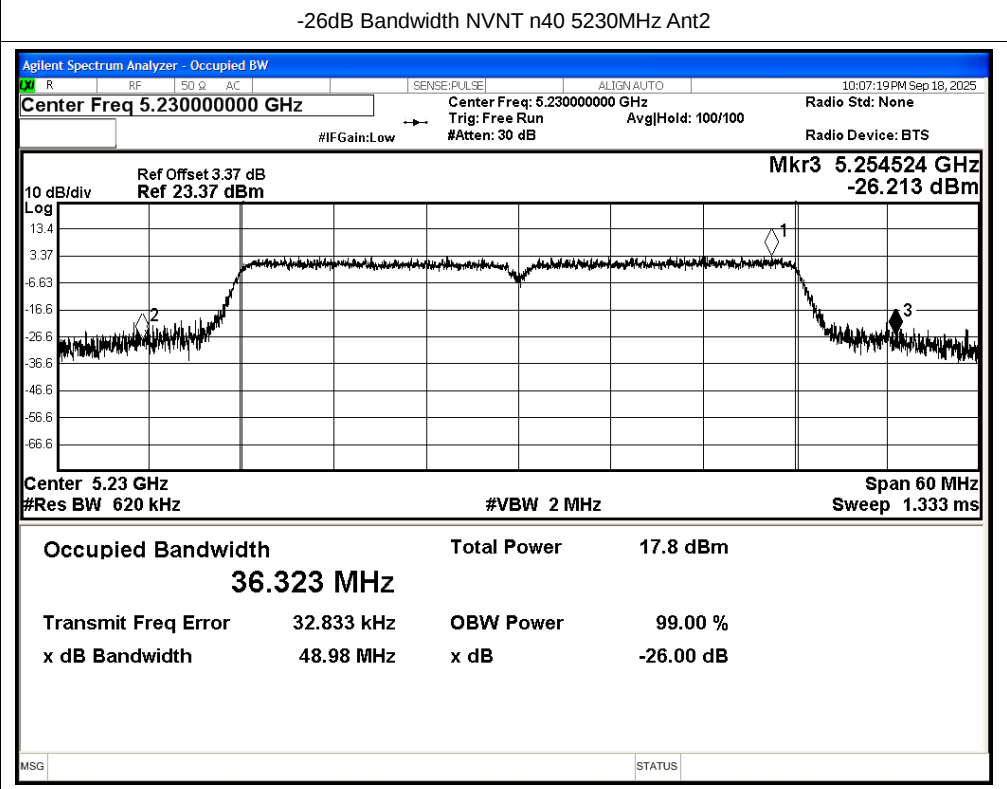
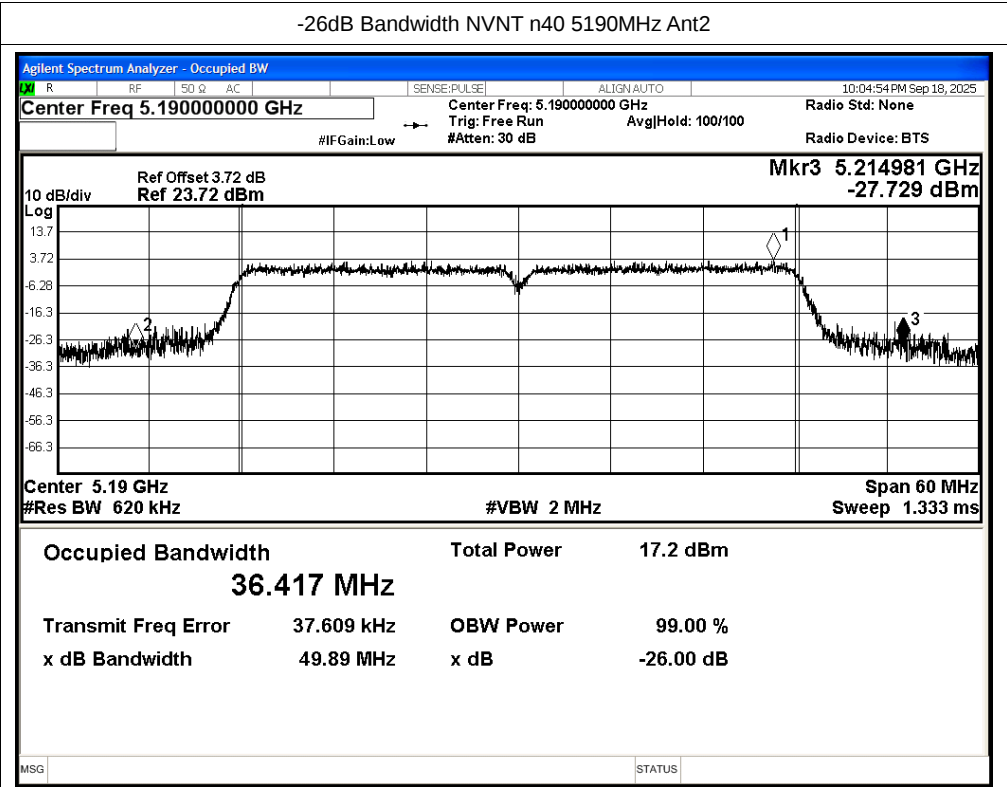


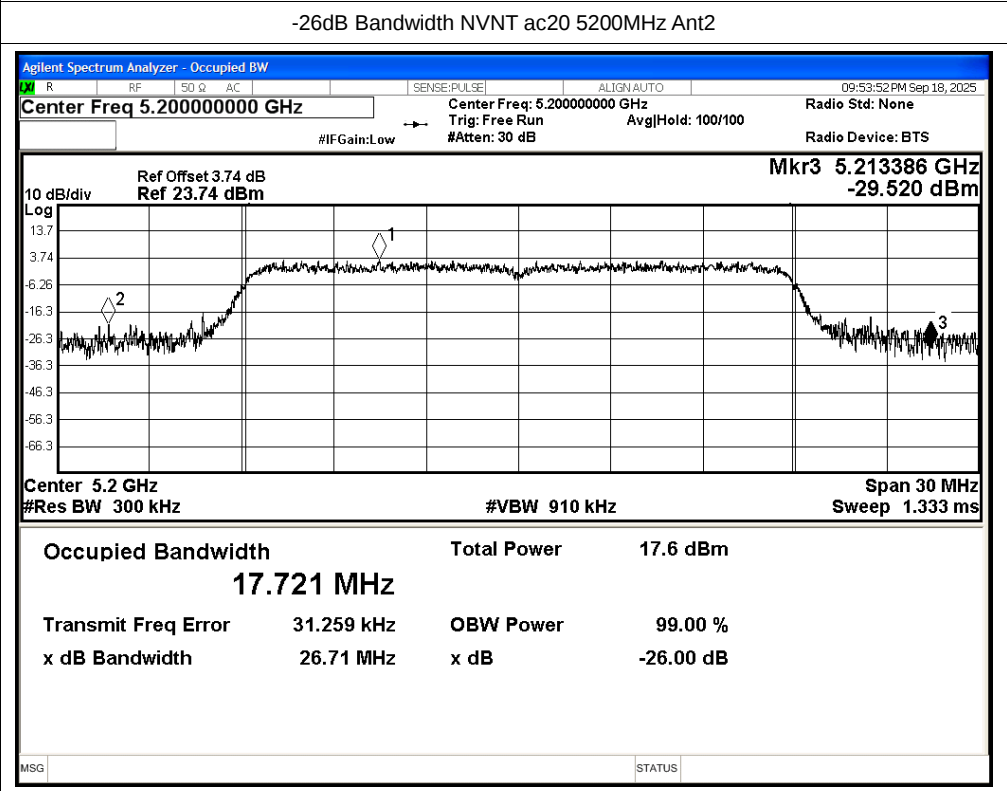
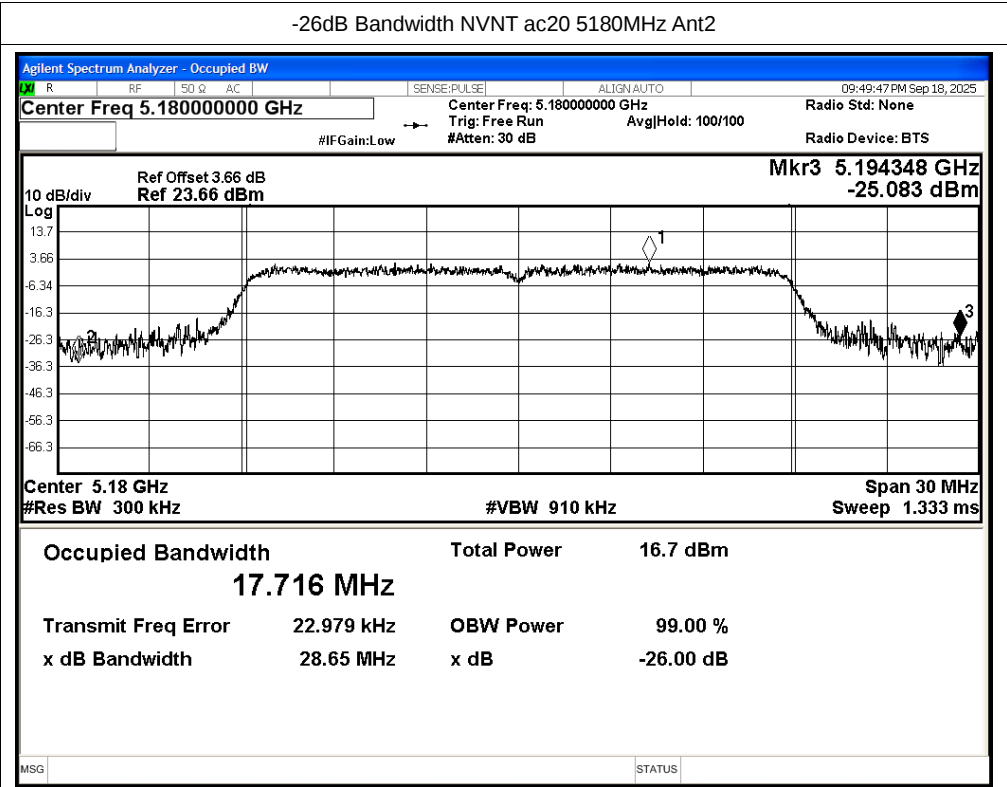
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant2	28.25	---	Pass
NVNT	a	5200	Ant2	26.635	---	Pass
NVNT	a	5240	Ant2	24.461	---	Pass
NVNT	n20	5180	Ant2	29.458	---	Pass
NVNT	n20	5200	Ant2	28.317	---	Pass
NVNT	n20	5240	Ant2	29.888	---	Pass
NVNT	n40	5190	Ant2	49.886	---	Pass
NVNT	n40	5230	Ant2	48.982	---	Pass
NVNT	ac20	5180	Ant2	28.649	---	Pass
NVNT	ac20	5200	Ant2	26.709	---	Pass
NVNT	ac20	5240	Ant2	28.807	---	Pass
NVNT	ac40	5190	Ant2	52.353	---	Pass
NVNT	ac40	5230	Ant2	51.904	---	Pass
NVNT	ax20	5180	Ant2	28.483	---	Pass
NVNT	ax20	5200	Ant2	26.614	---	Pass
NVNT	ax20	5240	Ant2	27.956	---	Pass
NVNT	ax40	5190	Ant2	51.077	---	Pass
NVNT	ax40	5230	Ant2	49.795	---	Pass

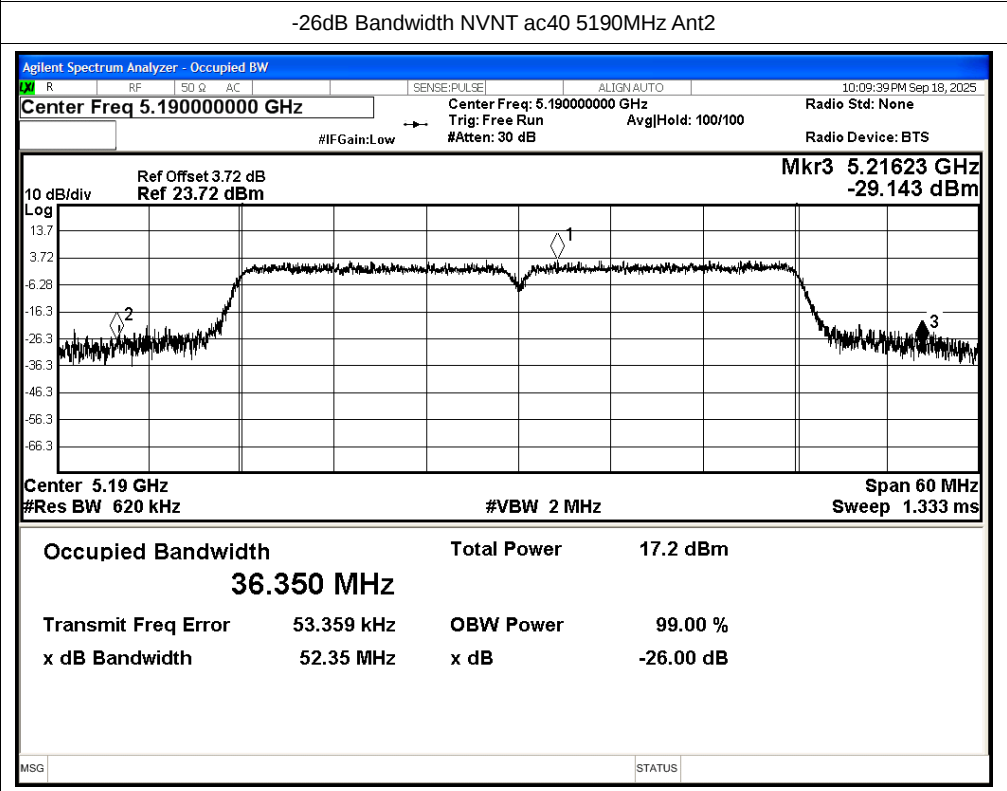
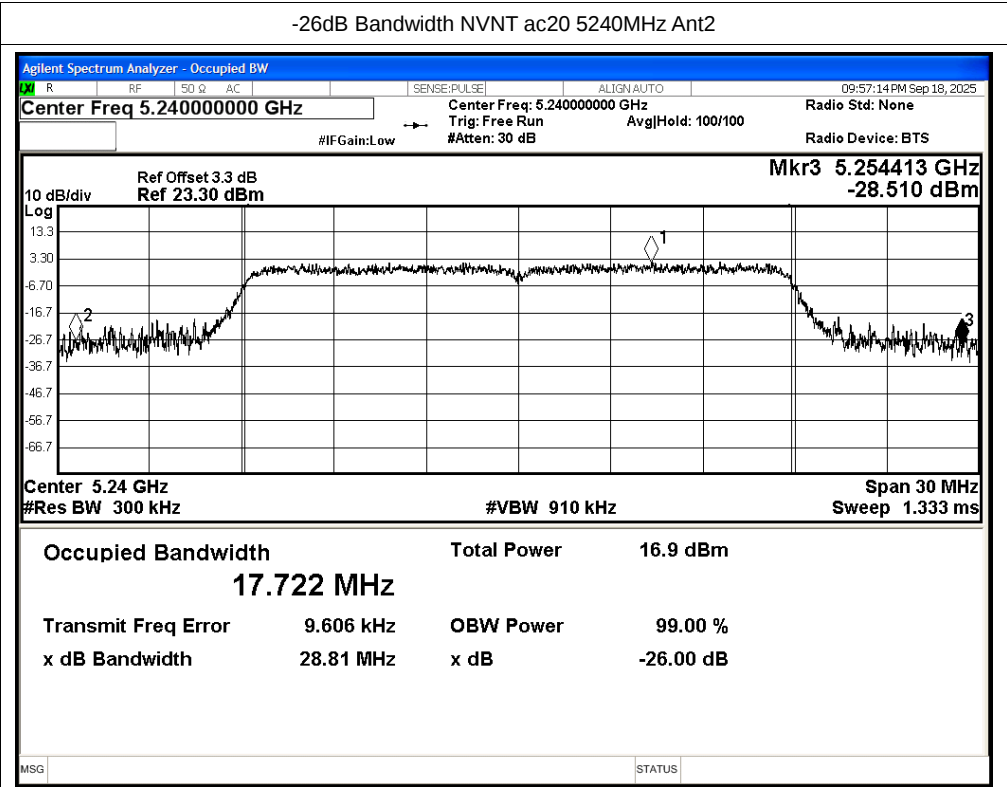


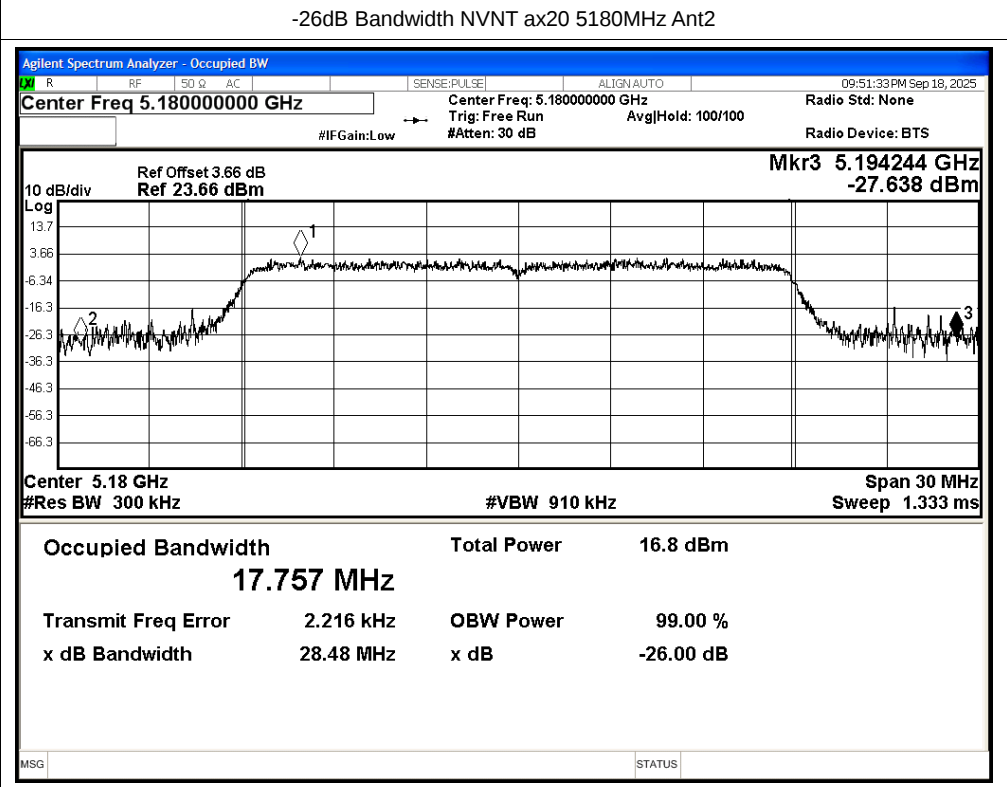
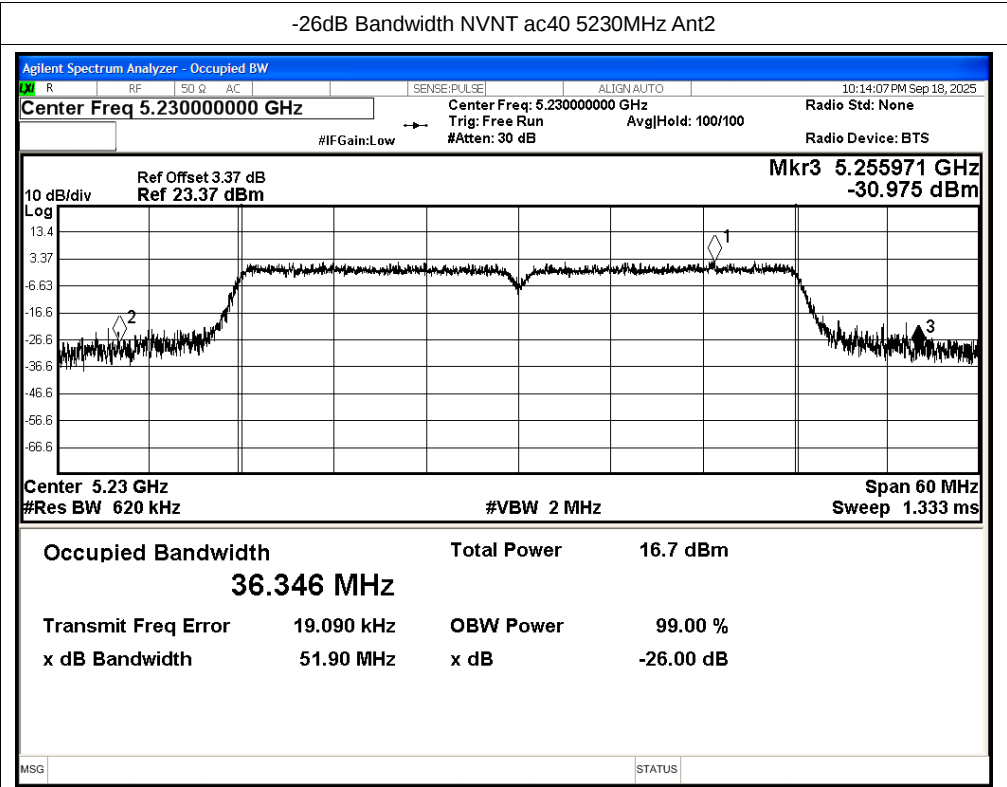


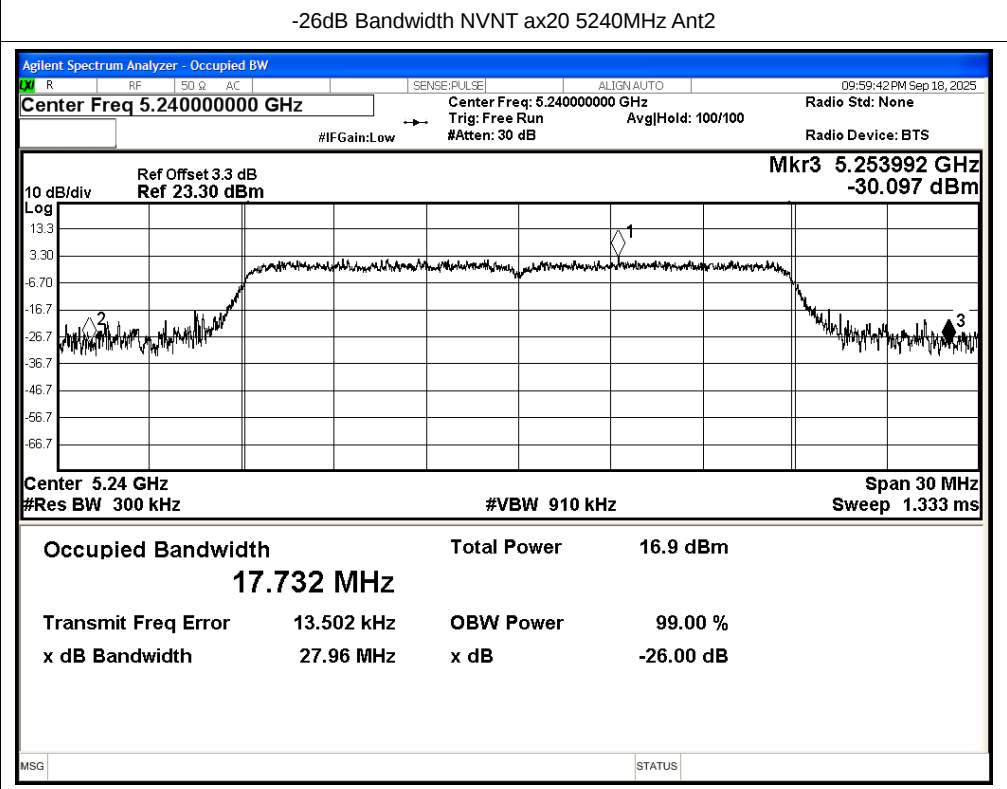
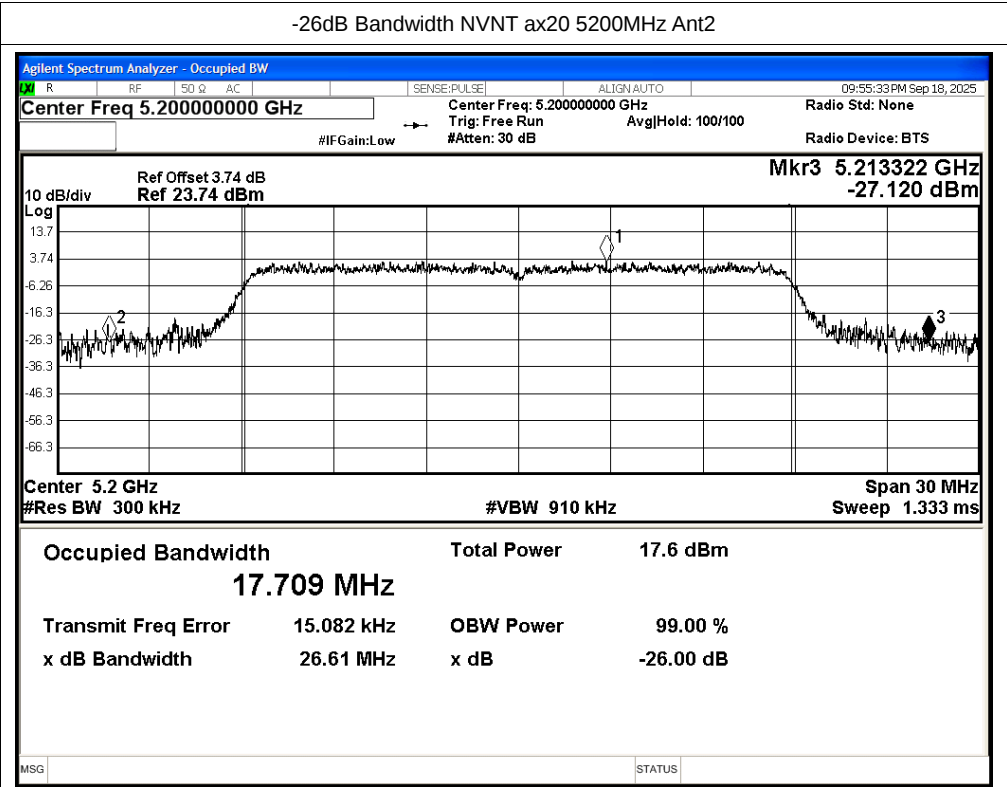


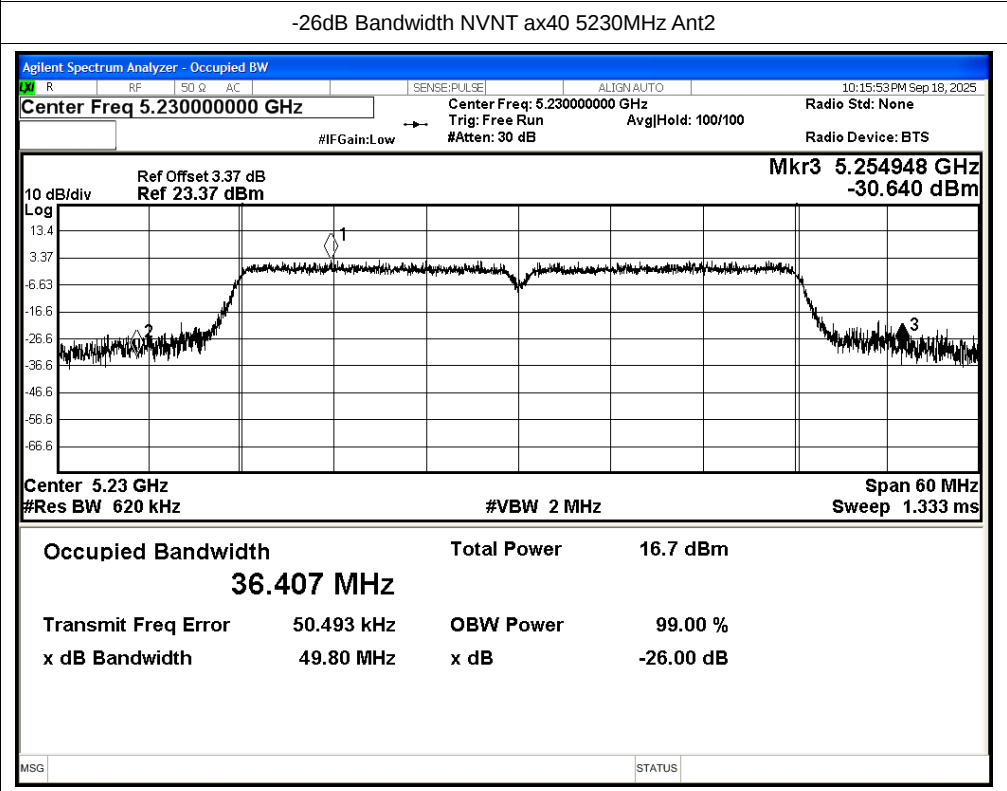
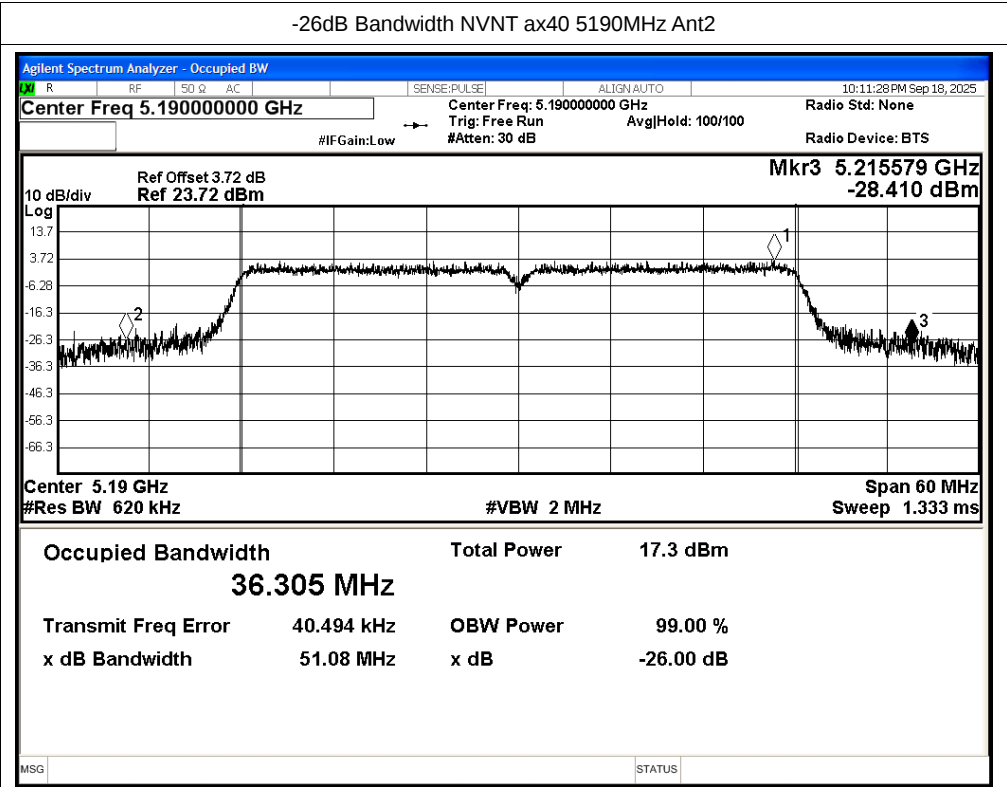












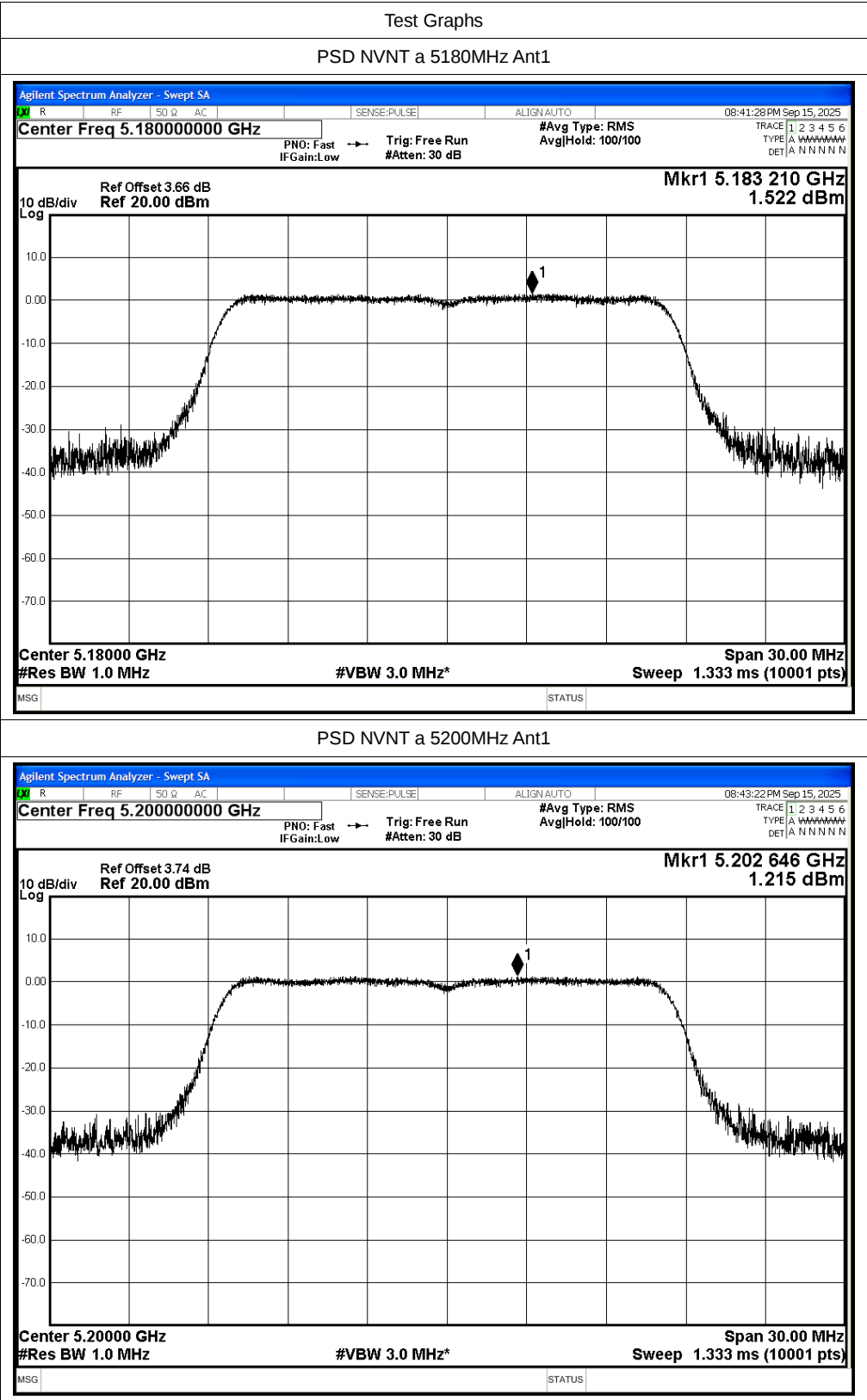
B.2 Maximum Conducted Output Power

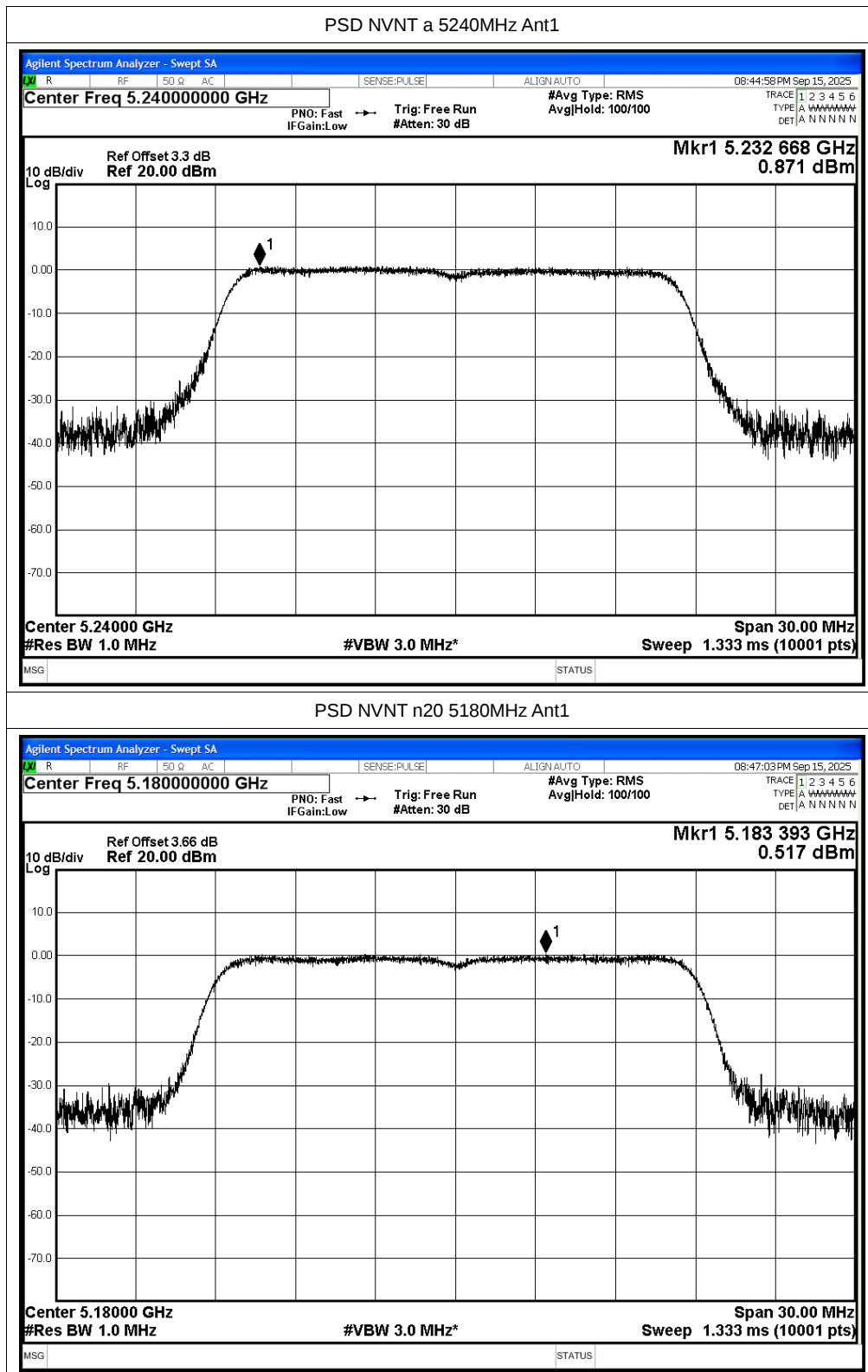
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.33	0.24	12.57	24	Pass
NVNT	a	5200	Ant1	12.02	0.24	12.26	24	Pass
NVNT	a	5240	Ant1	11.59	0.24	11.83	24	Pass
NVNT	n20	5180	Ant1	11.35	0.12	11.47	24	Pass
NVNT	n20	5200	Ant1	11.98	0.12	12.1	24	Pass
NVNT	n20	5240	Ant1	11.22	0.12	11.34	24	Pass
NVNT	n40	5190	Ant1	10.84	0.23	11.07	24	Pass
NVNT	n40	5230	Ant1	11.2	0.23	11.43	24	Pass
NVNT	ac20	5180	Ant1	11.27	0.12	11.39	24	Pass
NVNT	ac20	5200	Ant1	11.12	0.12	11.24	24	Pass
NVNT	ac20	5240	Ant1	11.32	0.12	11.44	24	Pass
NVNT	ac40	5190	Ant1	10.86	0.24	11.1	24	Pass
NVNT	ac40	5230	Ant1	11.2	0.24	11.44	24	Pass
NVNT	ax20	5180	Ant1	11.27	0.12	11.39	24	Pass
NVNT	ax20	5200	Ant1	11.04	0.12	11.16	24	Pass
NVNT	ax20	5240	Ant1	11.38	0.12	11.5	24	Pass
NVNT	ax40	5190	Ant1	10.89	0.24	11.13	24	Pass
NVNT	ax40	5230	Ant1	11.11	0.24	11.35	24	Pass

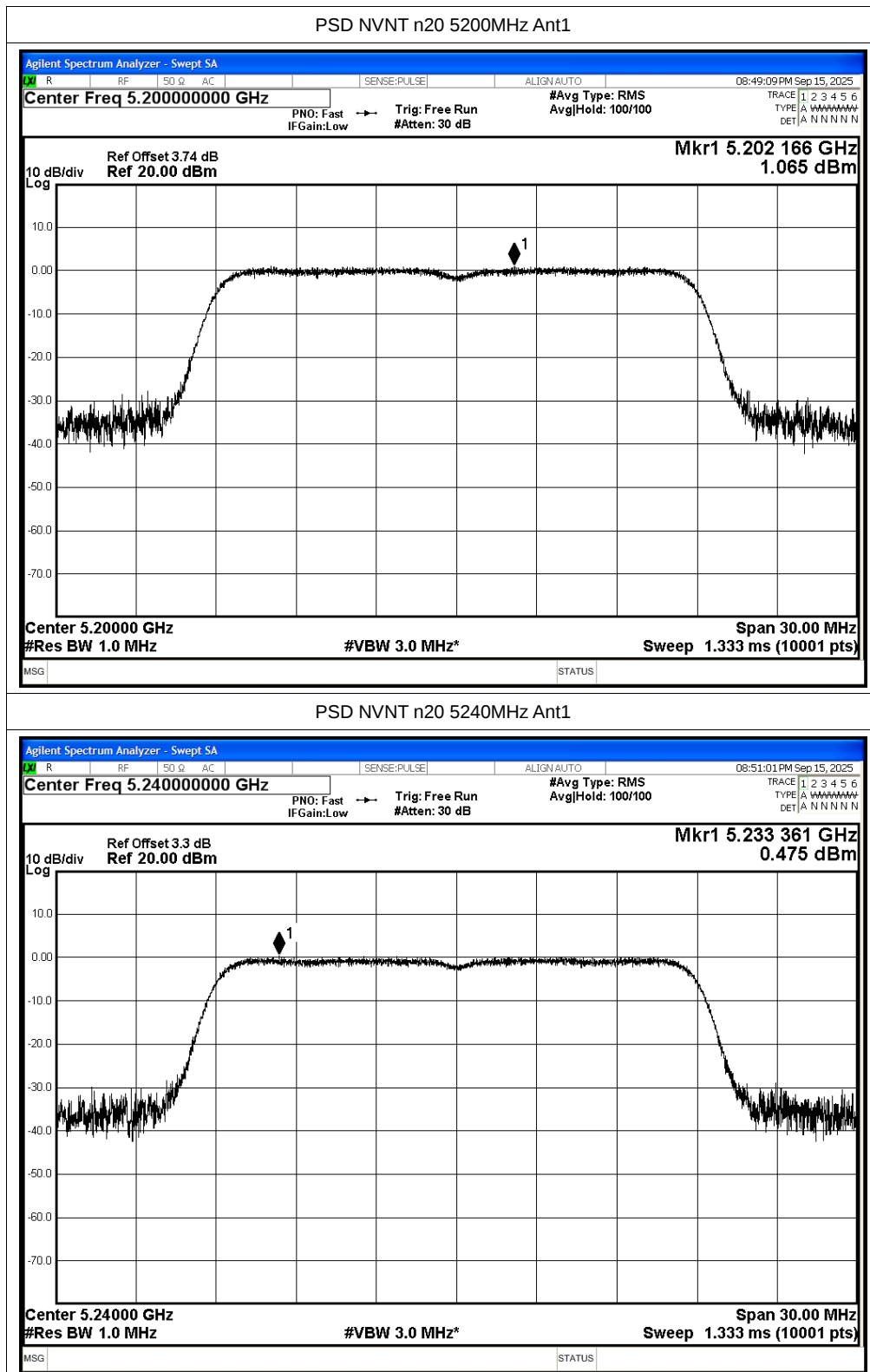
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	12.54	0.24	12.78	24	Pass
NVNT	a	5200	Ant2	12.63	0.24	12.87	24	Pass
NVNT	a	5240	Ant2	11.78	0.24	12.02	24	Pass
NVNT	n20	5180	Ant2	11.28	0.12	11.4	24	Pass
NVNT	n20	5200	Ant2	11.98	0.12	12.1	24	Pass
NVNT	n20	5240	Ant2	11.34	0.12	11.46	24	Pass
NVNT	n40	5190	Ant2	11.03	0.24	11.27	24	Pass
NVNT	n40	5230	Ant2	11.45	0.24	11.69	24	Pass
NVNT	ac20	5180	Ant2	11.28	0.12	11.4	24	Pass
NVNT	ac20	5200	Ant2	12.06	0.12	12.18	24	Pass
NVNT	ac20	5240	Ant2	11.36	0.12	11.48	24	Pass
NVNT	ac40	5190	Ant2	11.03	0.24	11.27	24	Pass
NVNT	ac40	5230	Ant2	10.36	0.24	10.6	24	Pass
NVNT	ax20	5180	Ant2	11.29	0.12	11.41	24	Pass
NVNT	ax20	5200	Ant2	12.1	0.12	12.22	24	Pass
NVNT	ax20	5240	Ant2	11.4	0.12	11.52	24	Pass
NVNT	ax40	5190	Ant2	10.98	0.24	11.22	24	Pass
NVNT	ax40	5230	Ant2	10.21	0.24	10.45	24	Pass

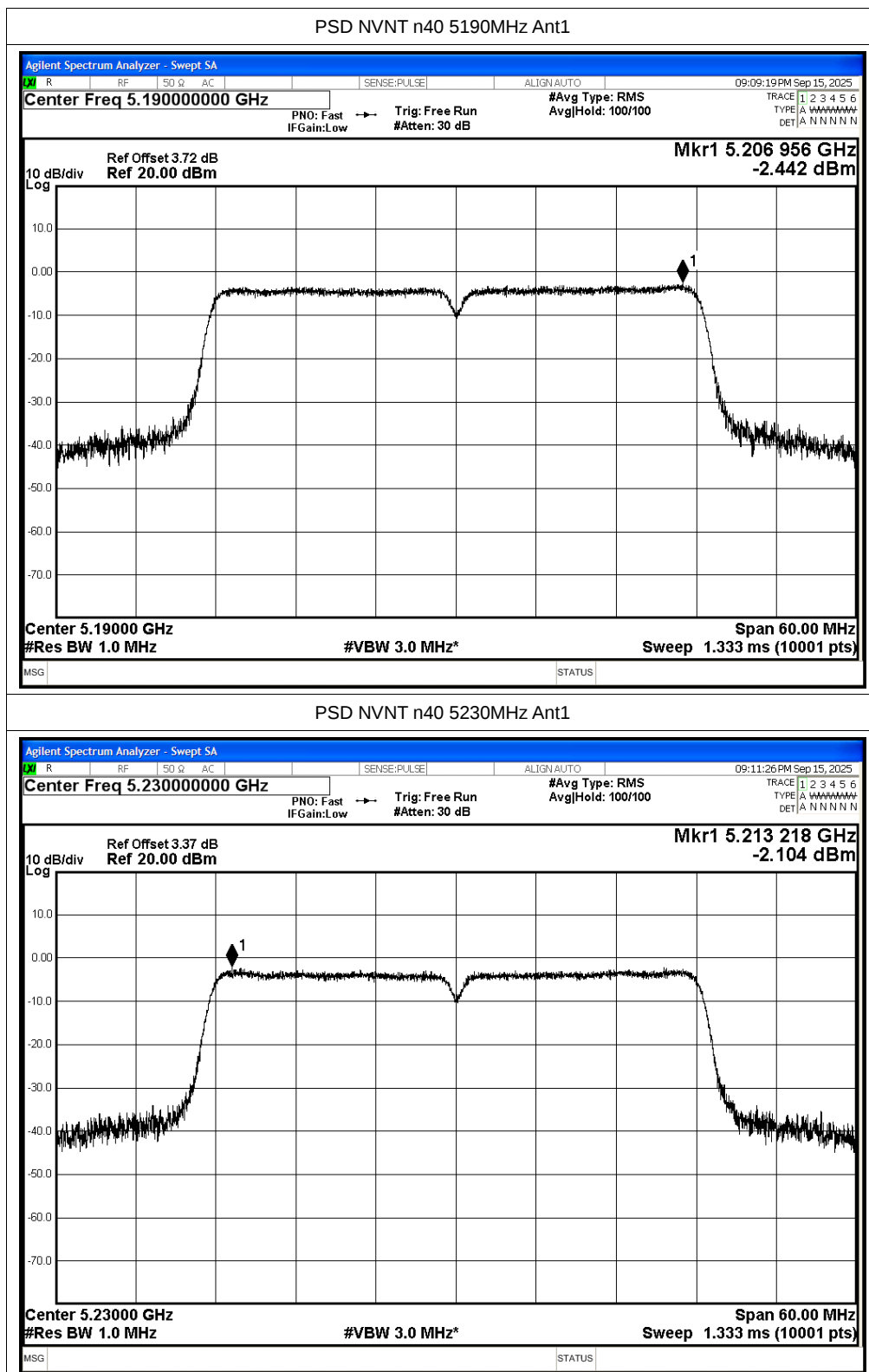
B.3 Maximum Power Spectral Density Level

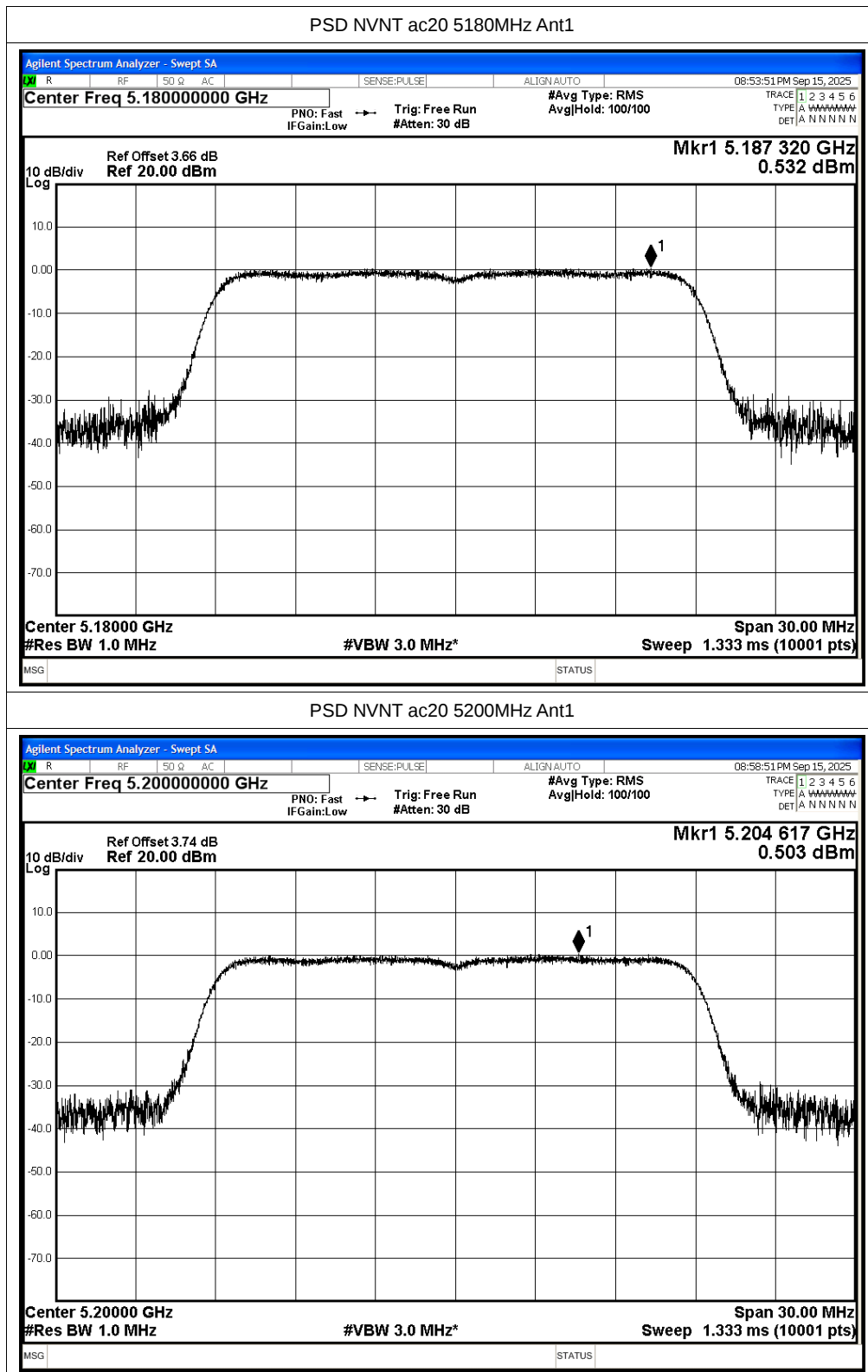
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	1.52	0.24	1.76	11	Pass
NVNT	a	5200	Ant1	1.22	0.24	1.46	11	Pass
NVNT	a	5240	Ant1	0.87	0.24	1.11	11	Pass
NVNT	n20	5180	Ant1	0.52	0.12	0.64	11	Pass
NVNT	n20	5200	Ant1	1.07	0.12	1.19	11	Pass
NVNT	n20	5240	Ant1	0.48	0.12	0.6	11	Pass
NVNT	n40	5190	Ant1	-2.44	0.23	-2.21	11	Pass
NVNT	n40	5230	Ant1	-2.1	0.23	-1.87	11	Pass
NVNT	ac20	5180	Ant1	0.53	0.12	0.65	11	Pass
NVNT	ac20	5200	Ant1	0.5	0.12	0.62	11	Pass
NVNT	ac20	5240	Ant1	0.56	0.12	0.68	11	Pass
NVNT	ac40	5190	Ant1	-2.89	0.24	-2.65	11	Pass
NVNT	ac40	5230	Ant1	-2.54	0.24	-2.3	11	Pass
NVNT	ax20	5180	Ant1	0.45	0.12	0.57	11	Pass
NVNT	ax20	5200	Ant1	0.51	0.12	0.63	11	Pass
NVNT	ax20	5240	Ant1	0.49	0.12	0.61	11	Pass
NVNT	ax40	5190	Ant1	-2.72	0.24	-2.48	11	Pass
NVNT	ax40	5230	Ant1	-2.32	0.24	-2.08	11	Pass

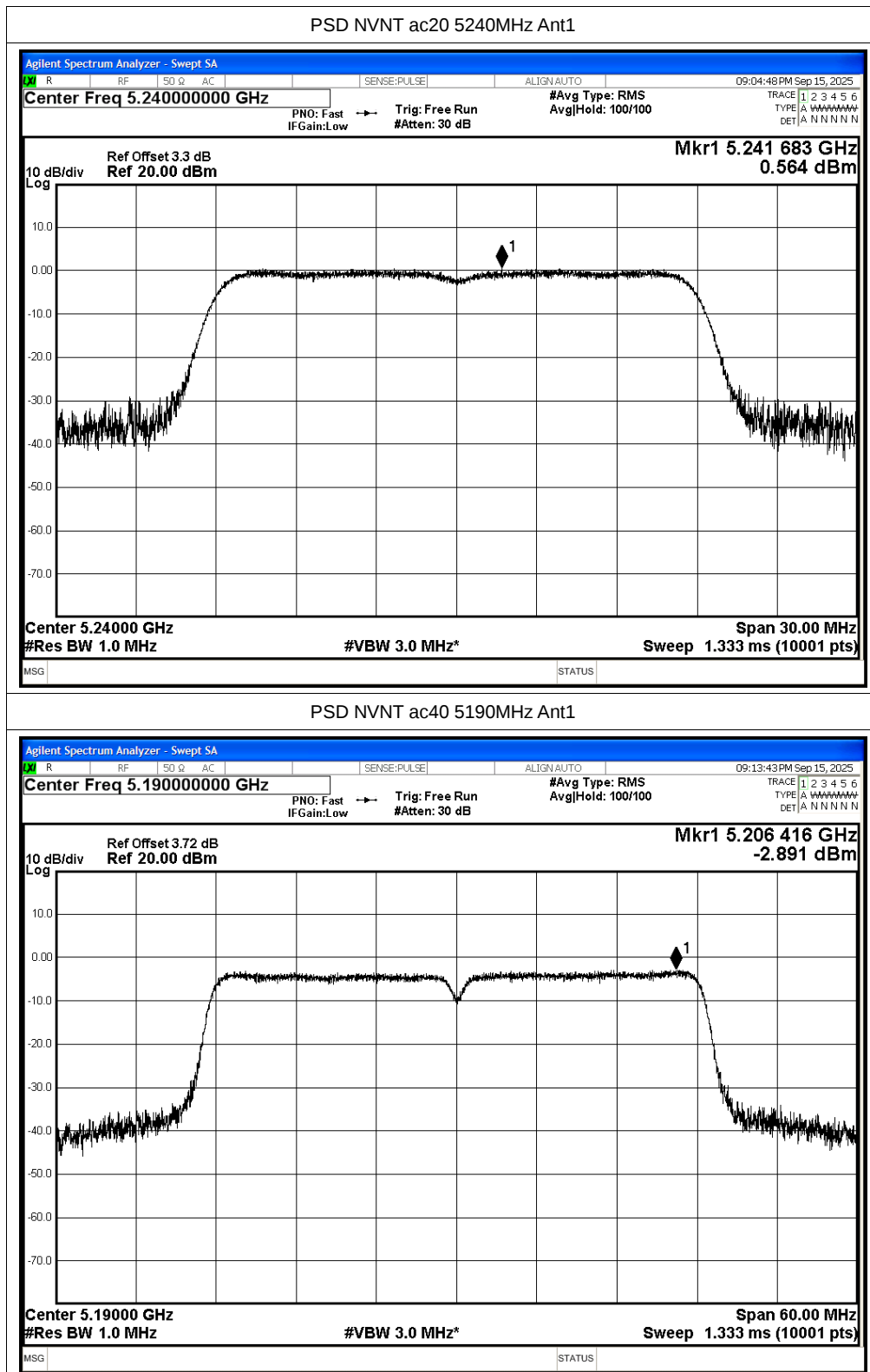


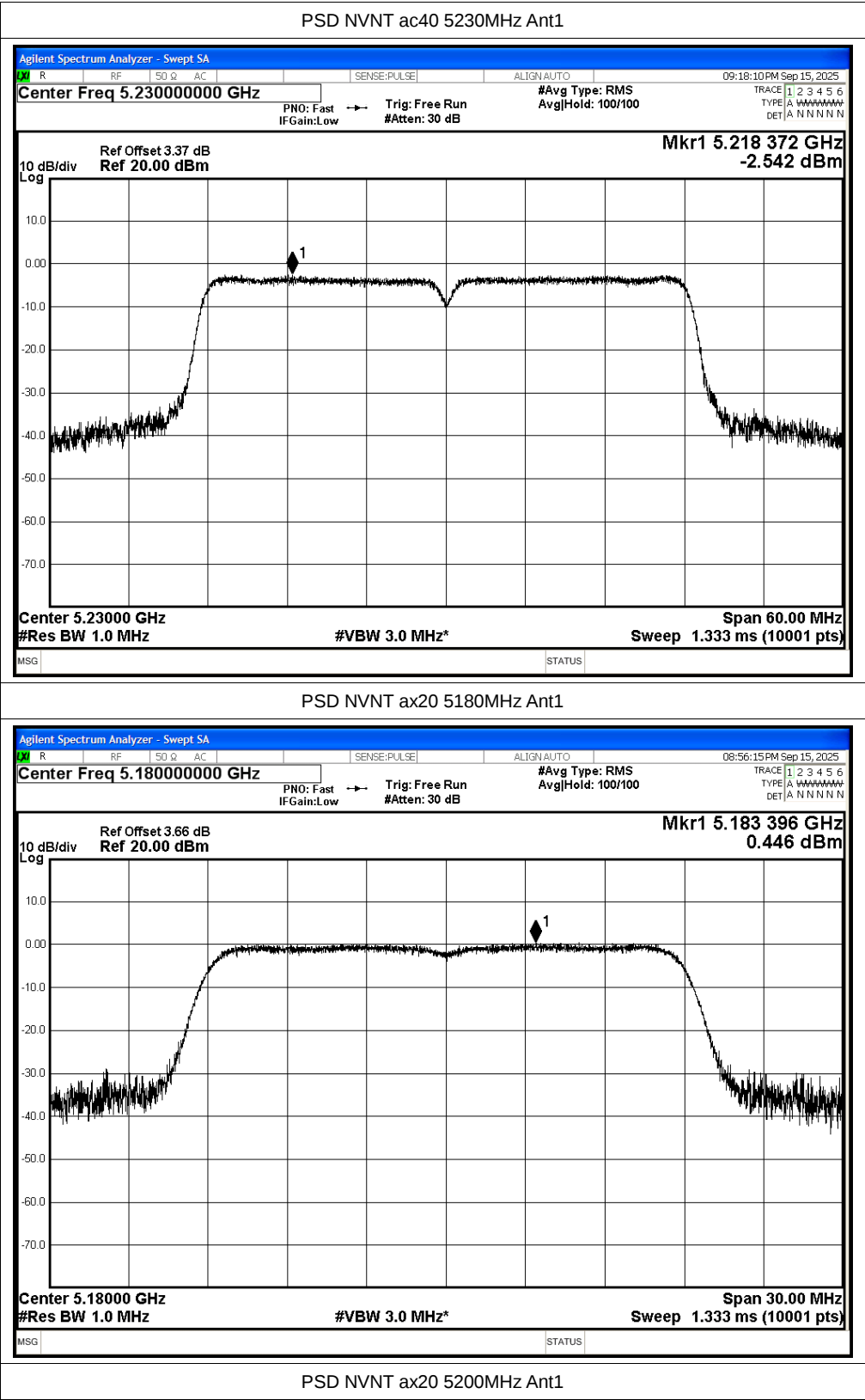


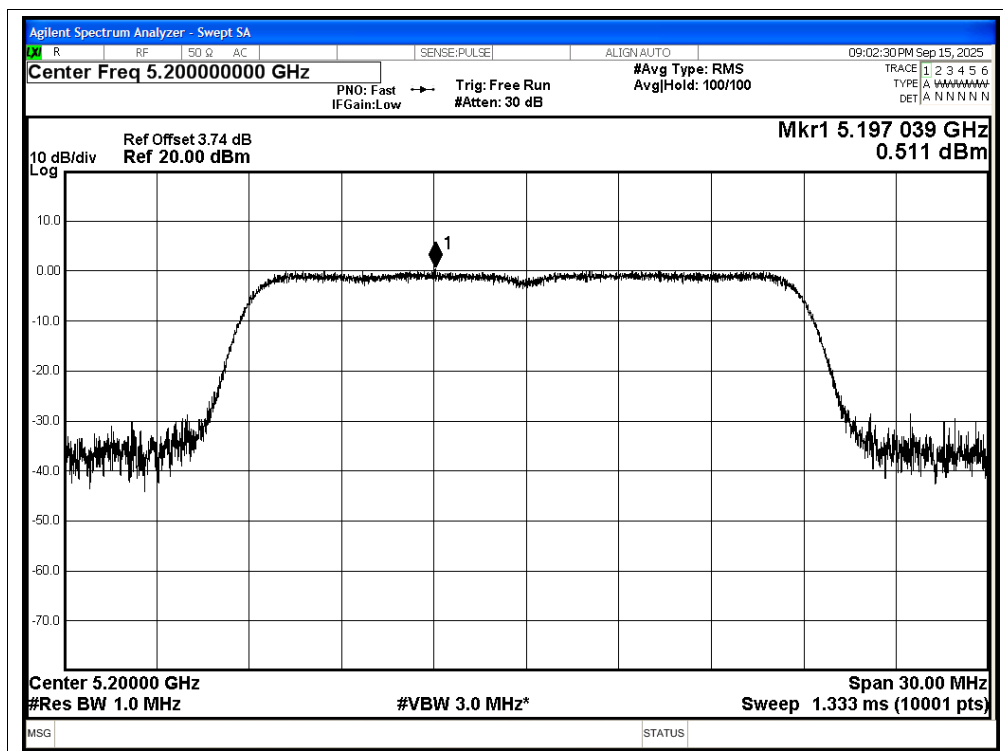


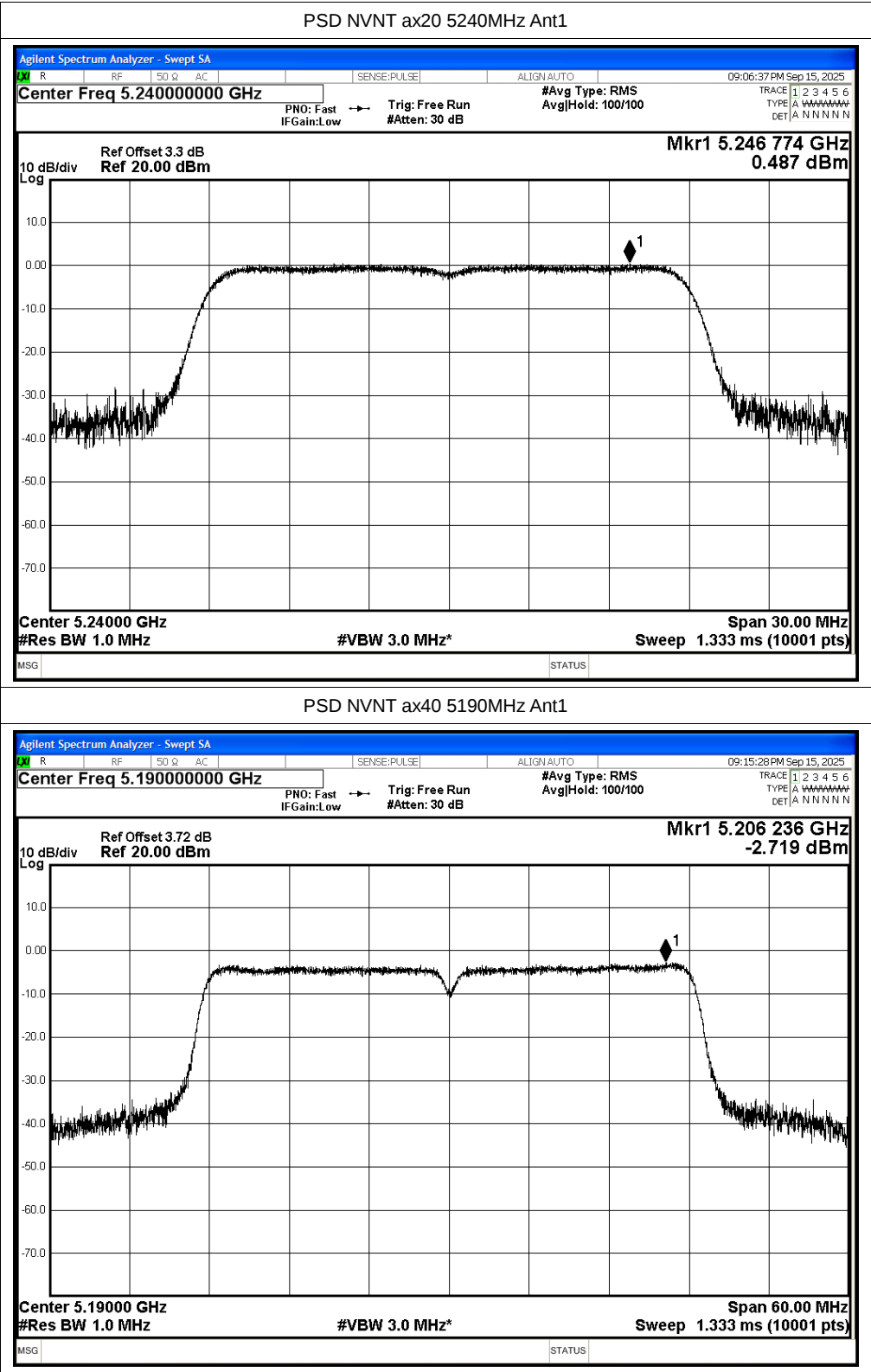


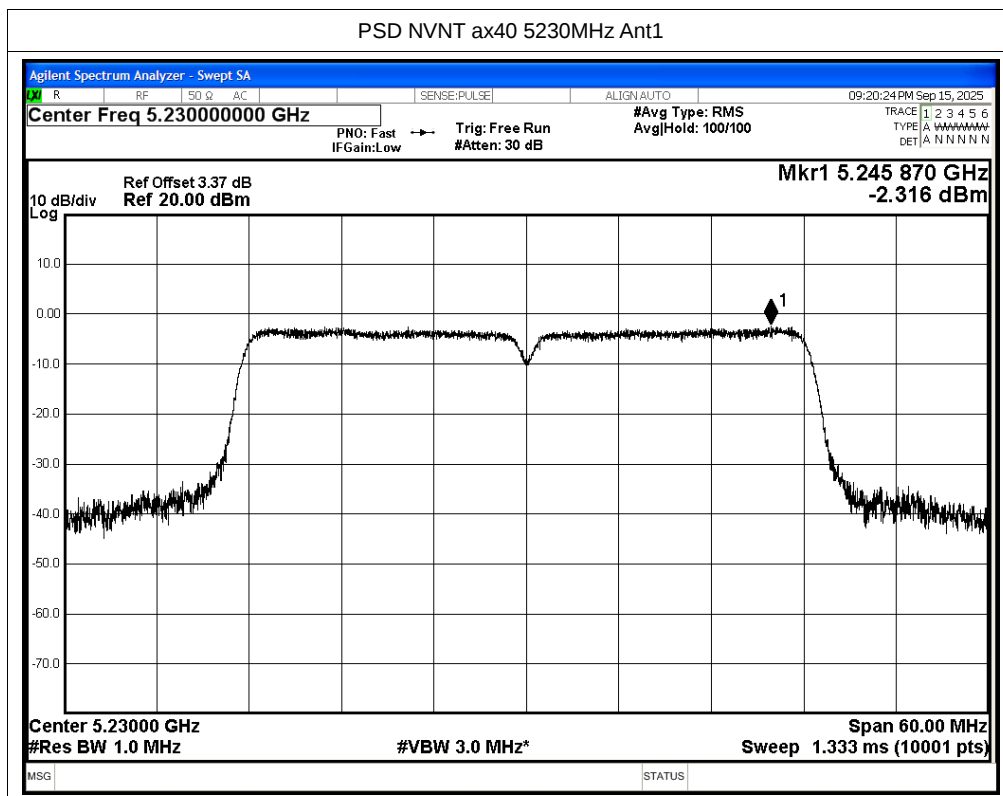




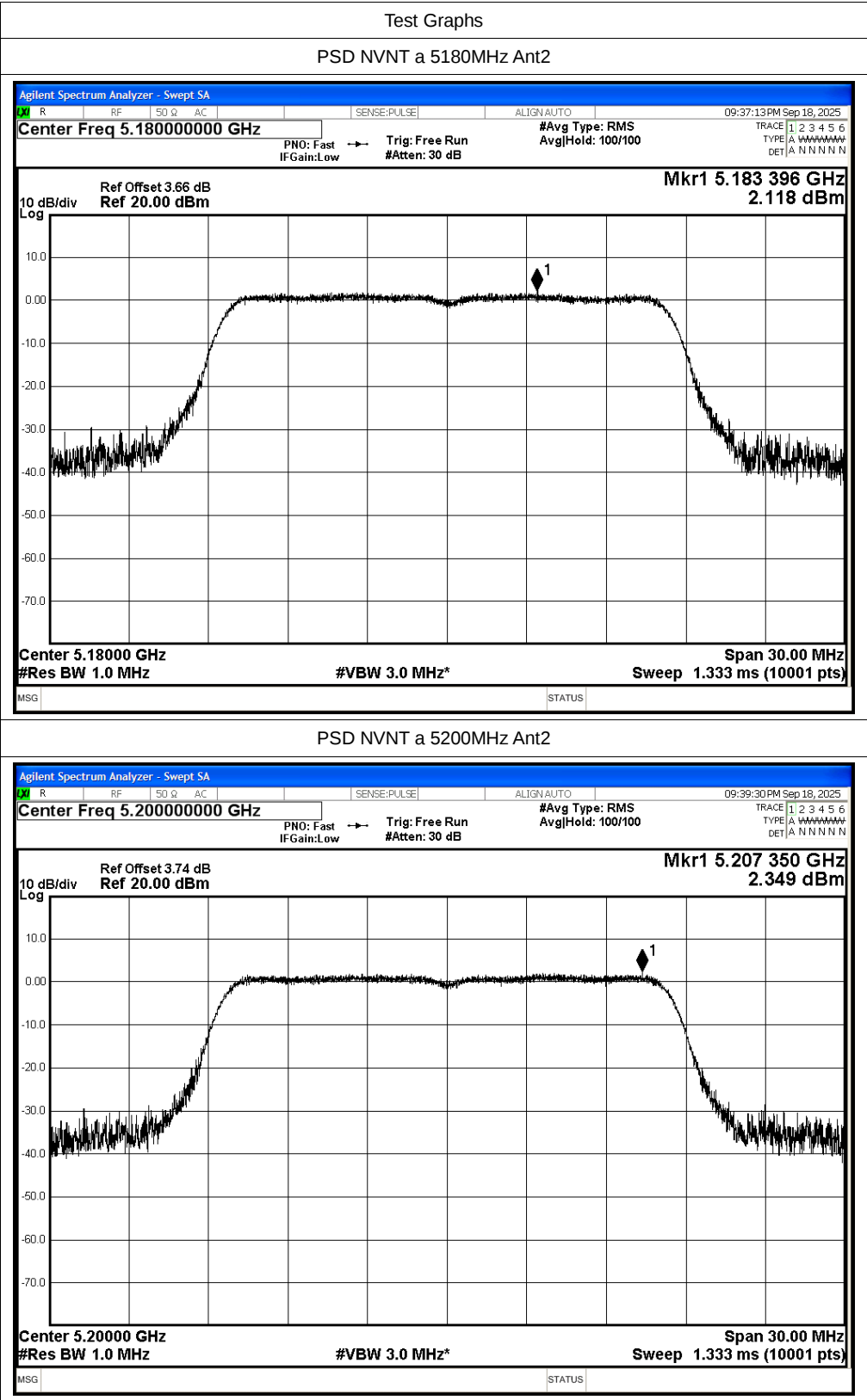


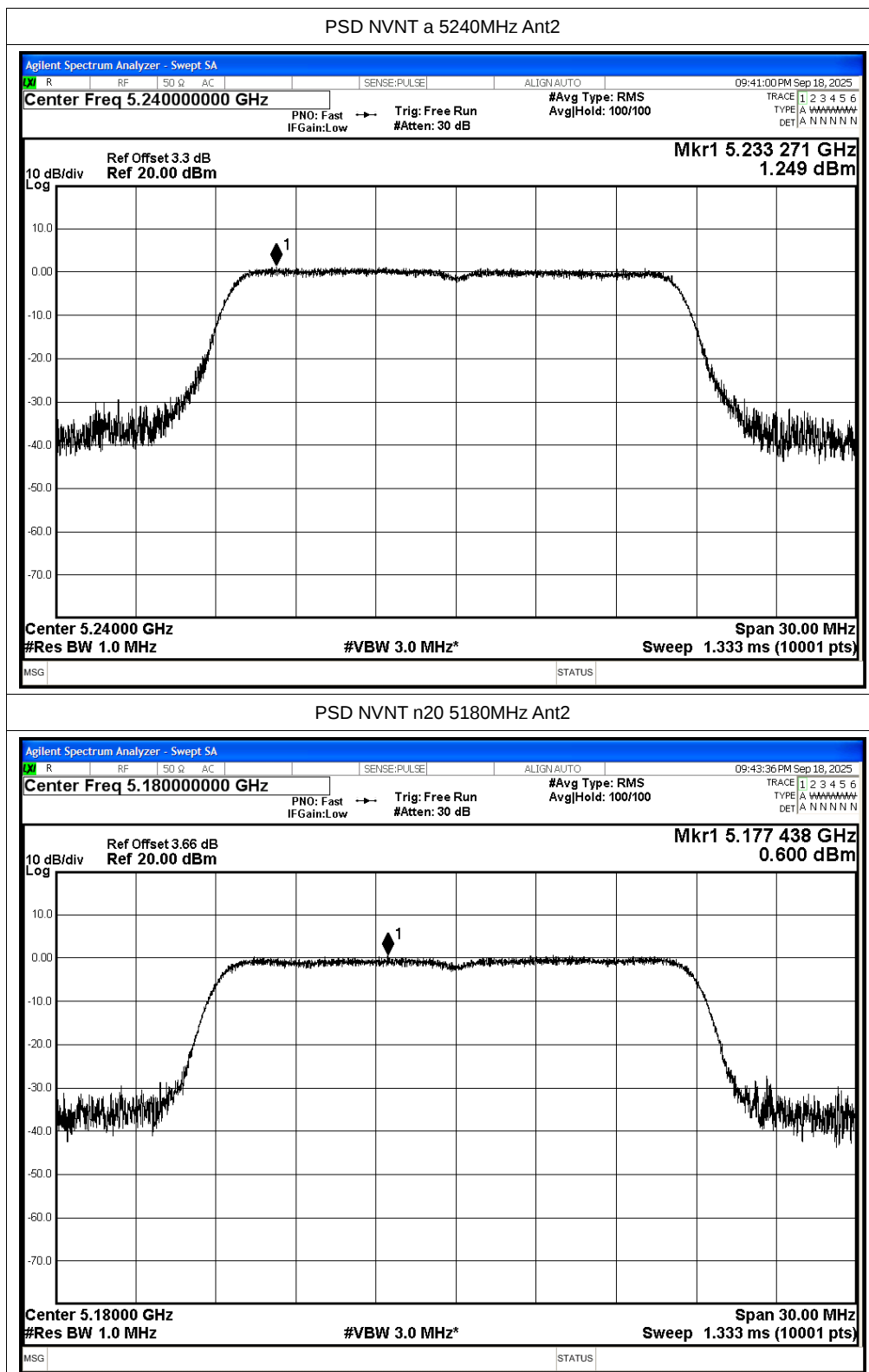


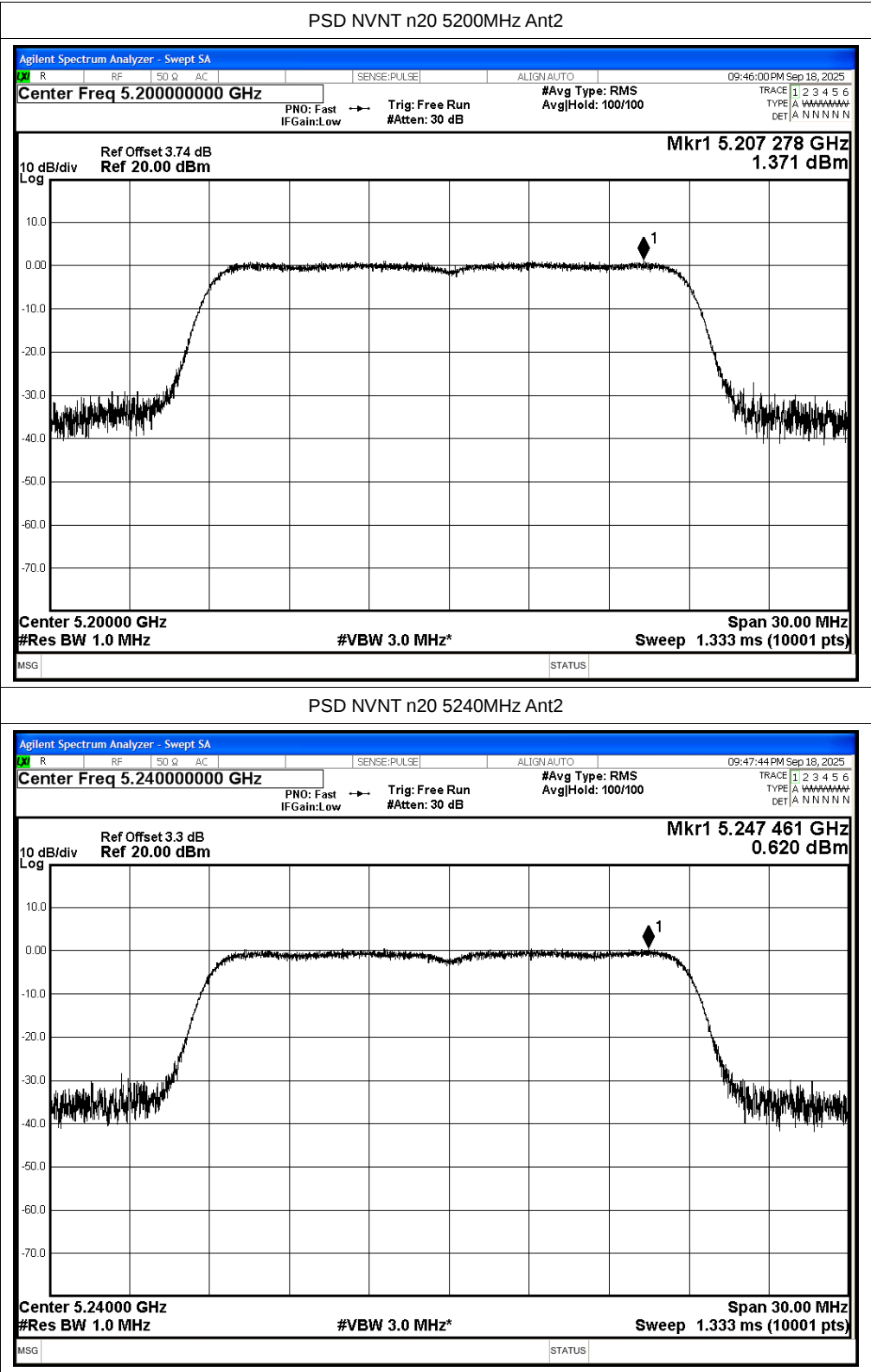


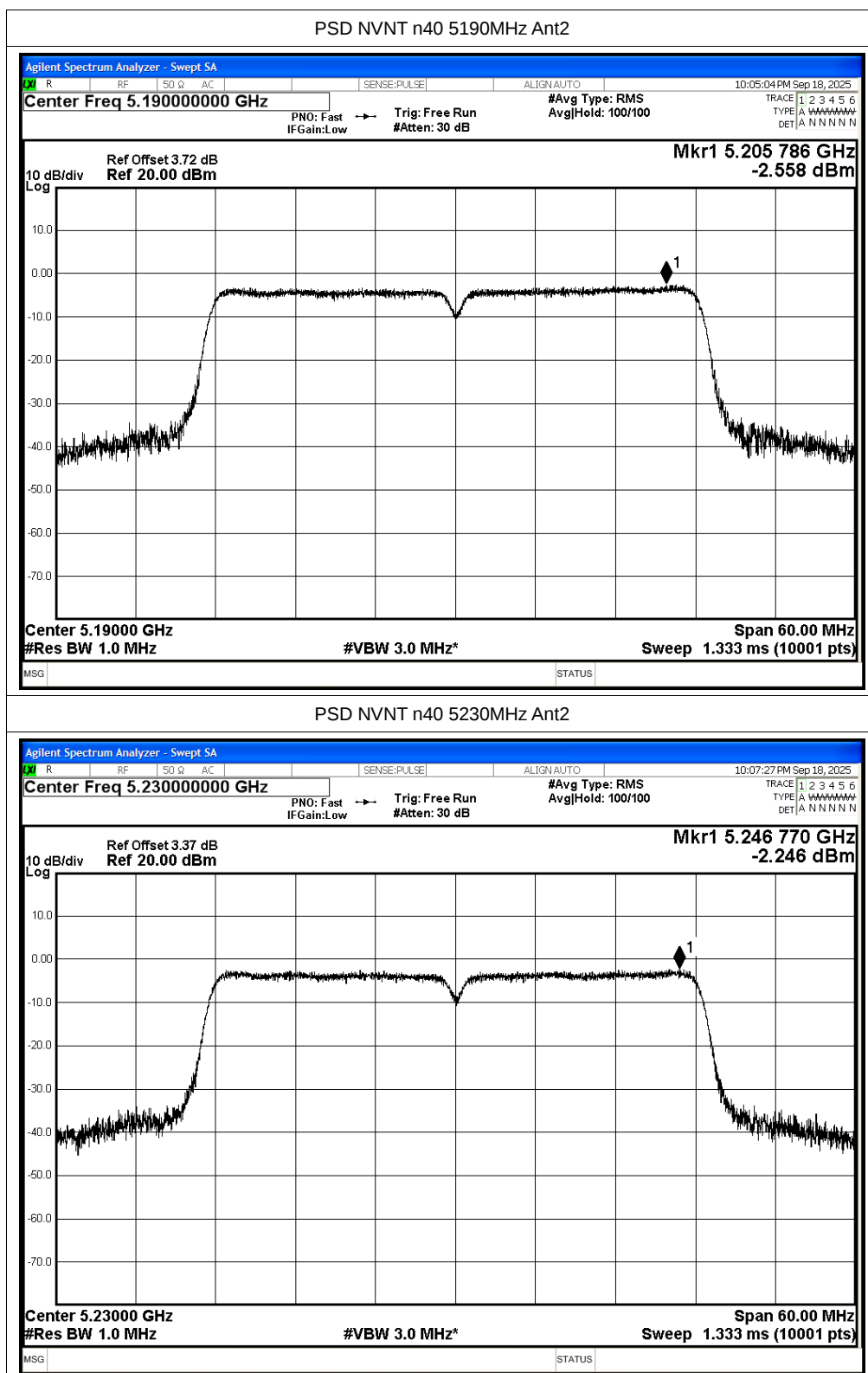


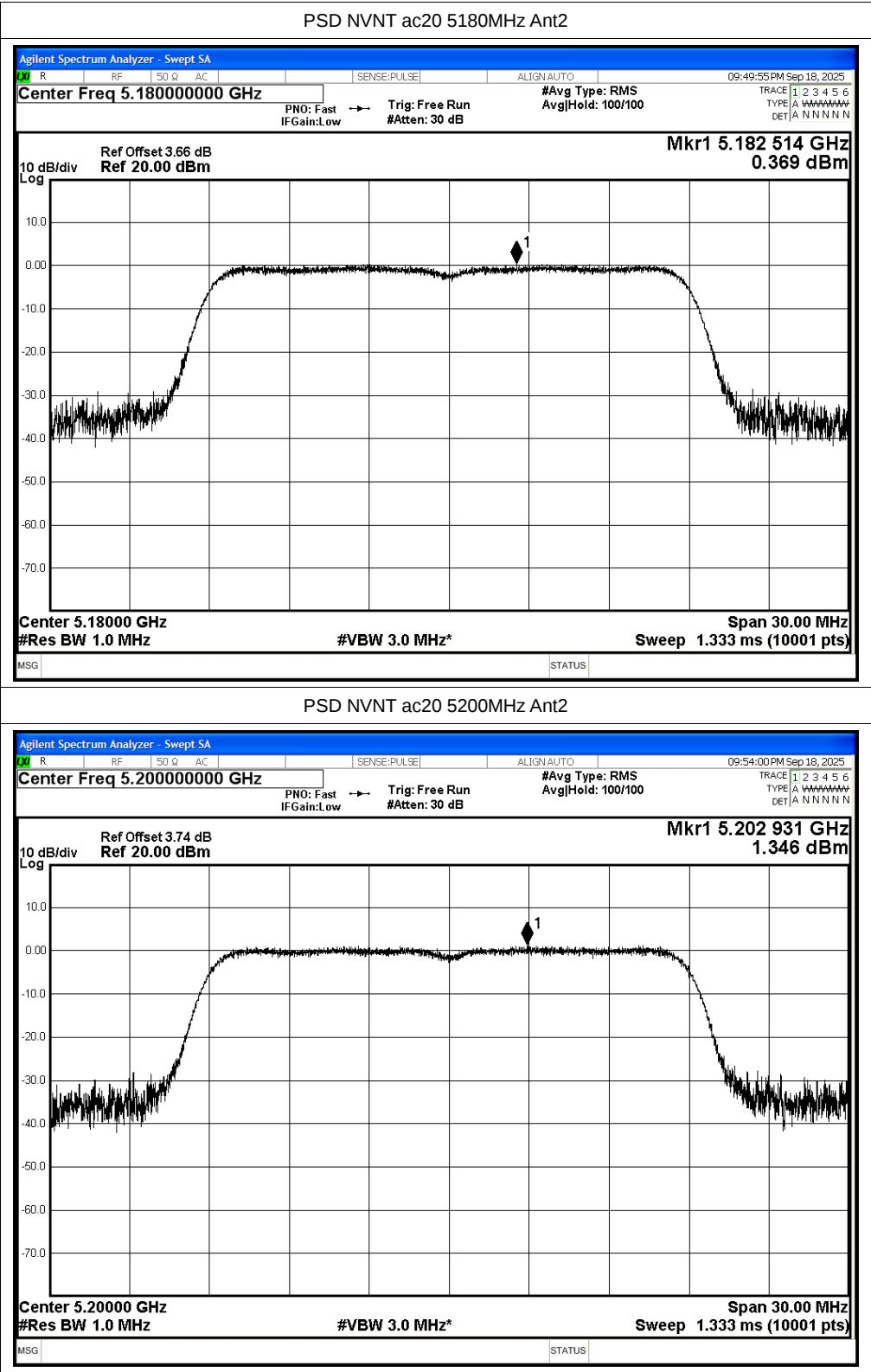
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant2	2.12	0.24	2.36	11	Pass
NVNT	a	5200	Ant2	2.35	0.24	2.59	11	Pass
NVNT	a	5240	Ant2	1.25	0.24	1.49	11	Pass
NVNT	n20	5180	Ant2	0.6	0.12	0.72	11	Pass
NVNT	n20	5200	Ant2	1.37	0.12	1.49	11	Pass
NVNT	n20	5240	Ant2	0.62	0.12	0.74	11	Pass
NVNT	n40	5190	Ant2	-2.56	0.24	-2.32	11	Pass
NVNT	n40	5230	Ant2	-2.25	0.24	-2.01	11	Pass
NVNT	ac20	5180	Ant2	0.37	0.12	0.49	11	Pass
NVNT	ac20	5200	Ant2	1.35	0.12	1.47	11	Pass
NVNT	ac20	5240	Ant2	0.92	0.12	1.04	11	Pass
NVNT	ac40	5190	Ant2	-2.36	0.24	-2.12	11	Pass
NVNT	ac40	5230	Ant2	-3.44	0.24	-3.2	11	Pass
NVNT	ax20	5180	Ant2	0.25	0.12	0.37	11	Pass
NVNT	ax20	5200	Ant2	1.18	0.12	1.3	11	Pass
NVNT	ax20	5240	Ant2	0.79	0.12	0.91	11	Pass
NVNT	ax40	5190	Ant2	-2.42	0.24	-2.18	11	Pass
NVNT	ax40	5230	Ant2	-3.41	0.24	-3.17	11	Pass

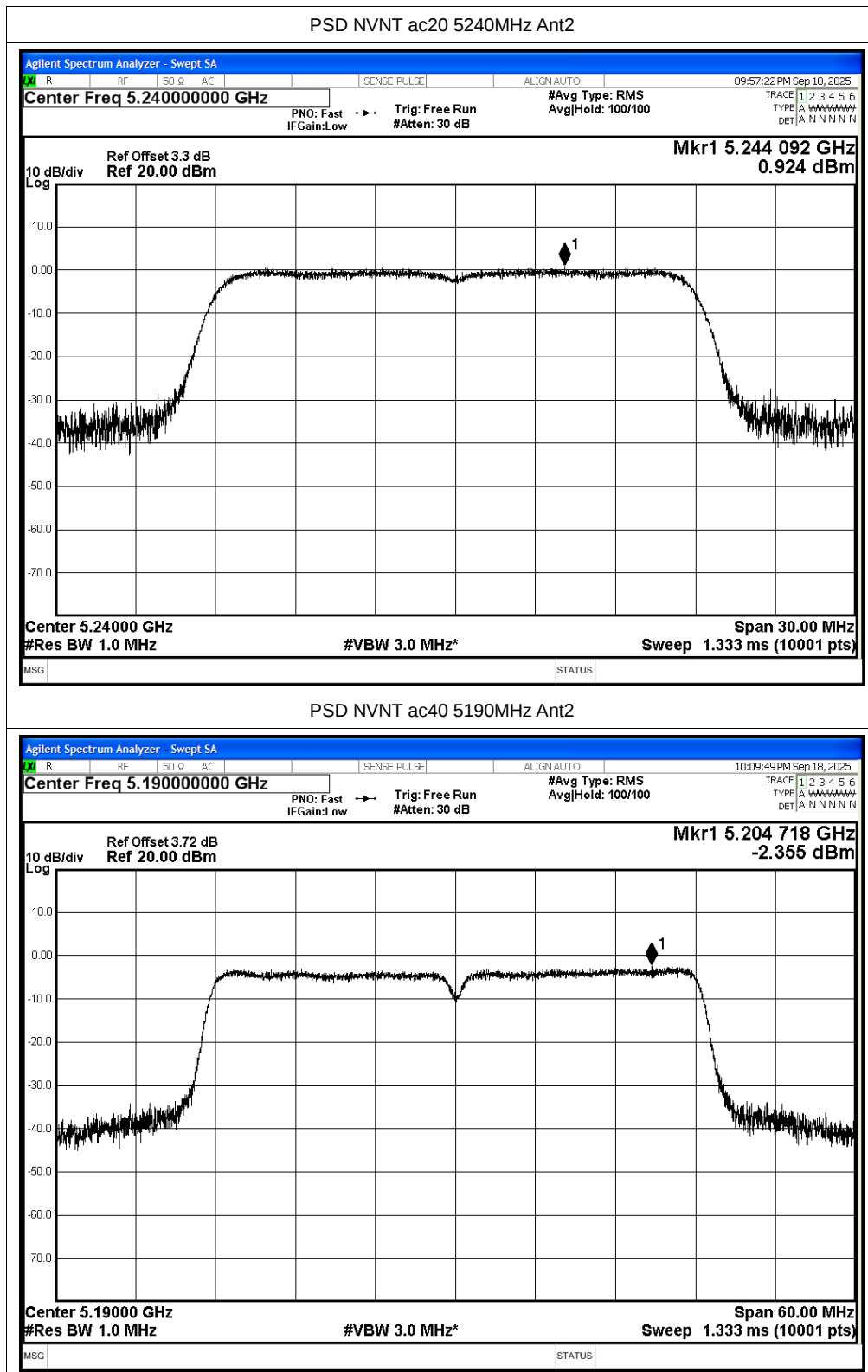


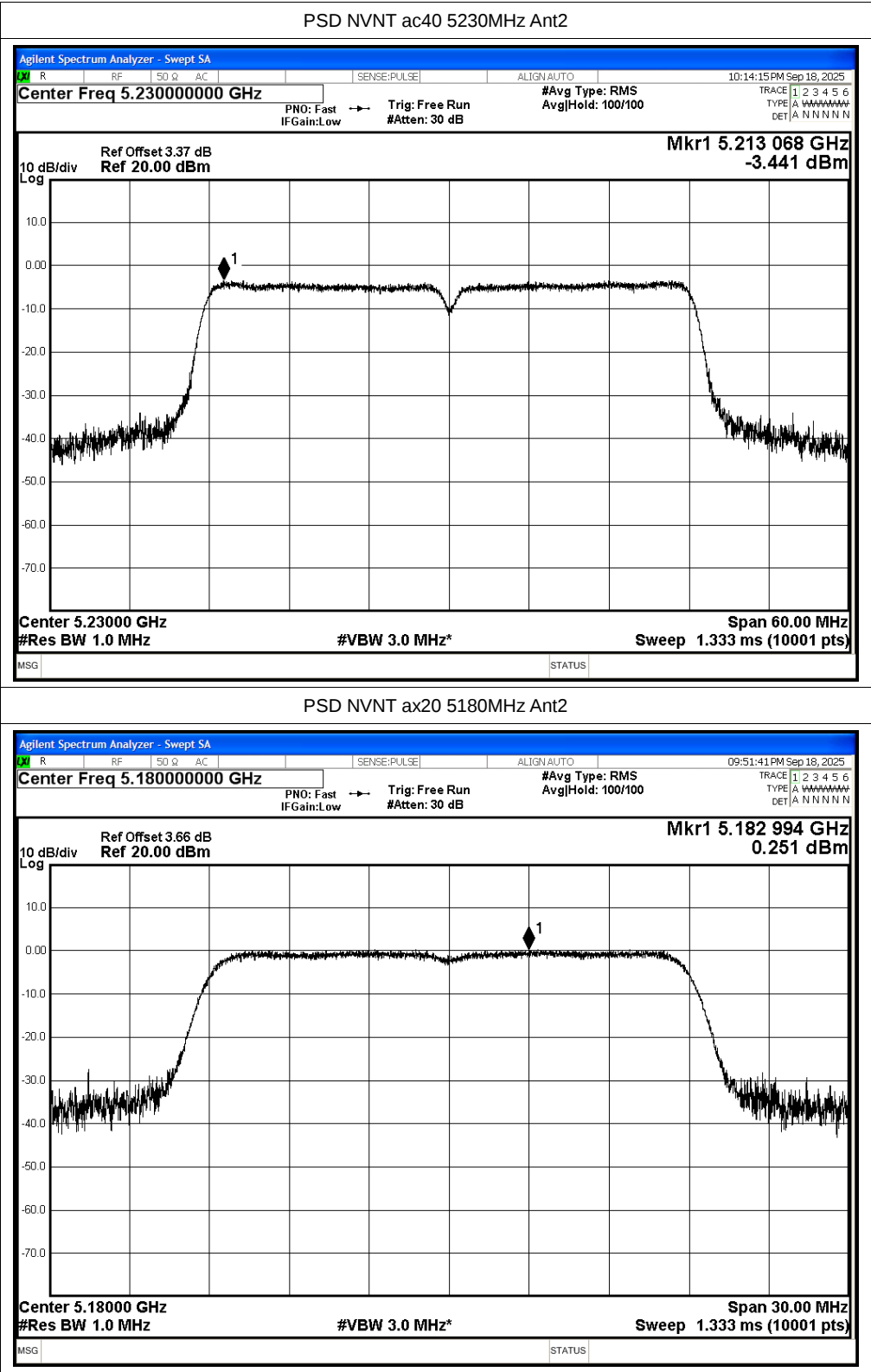


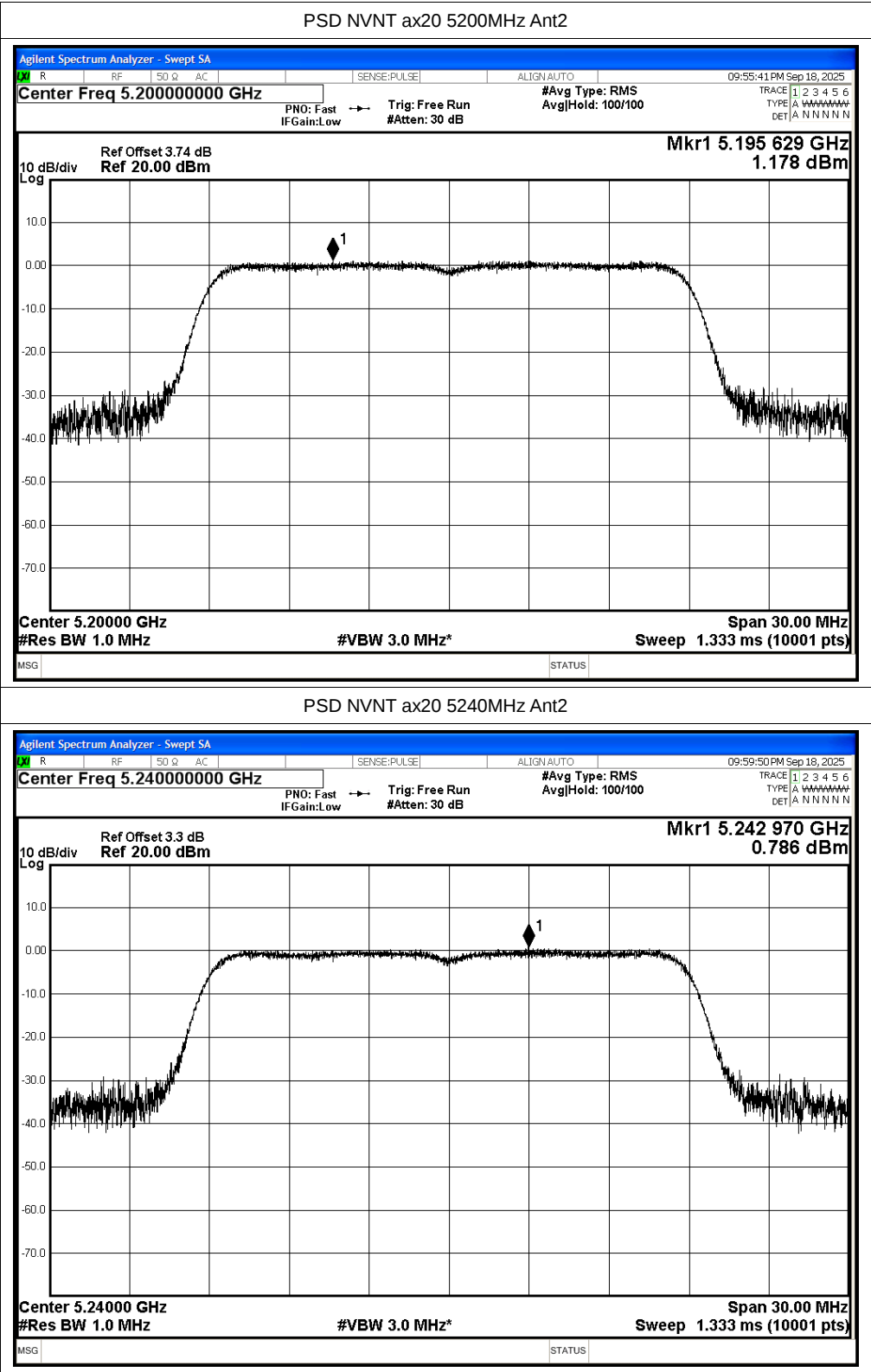


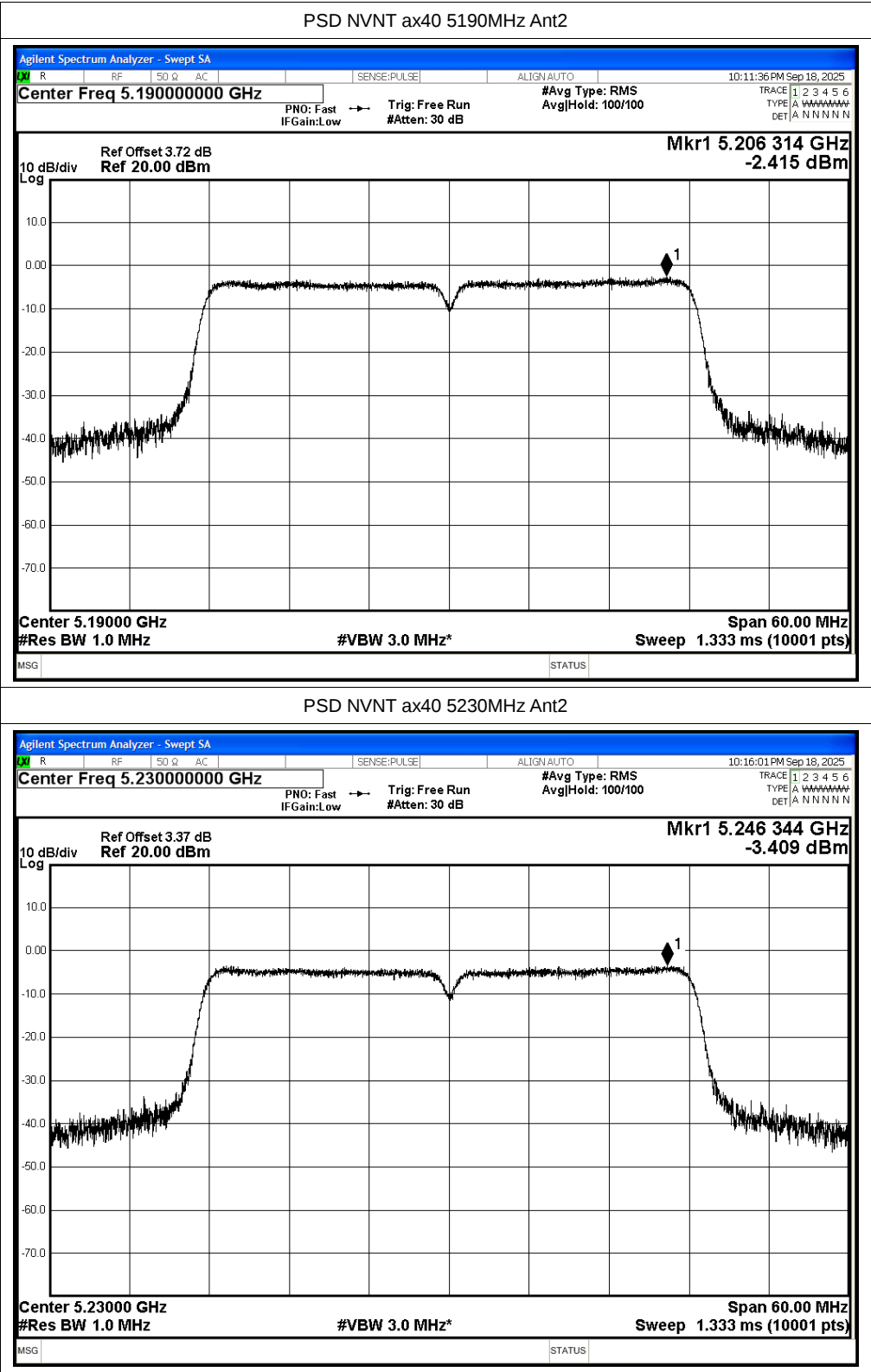










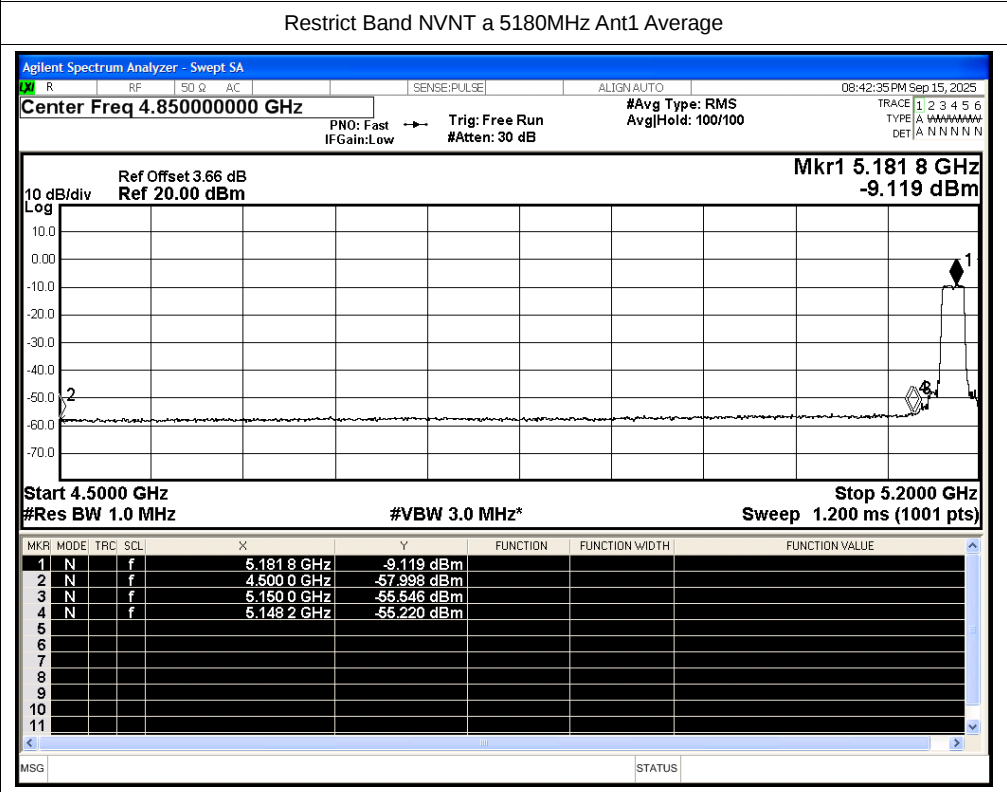
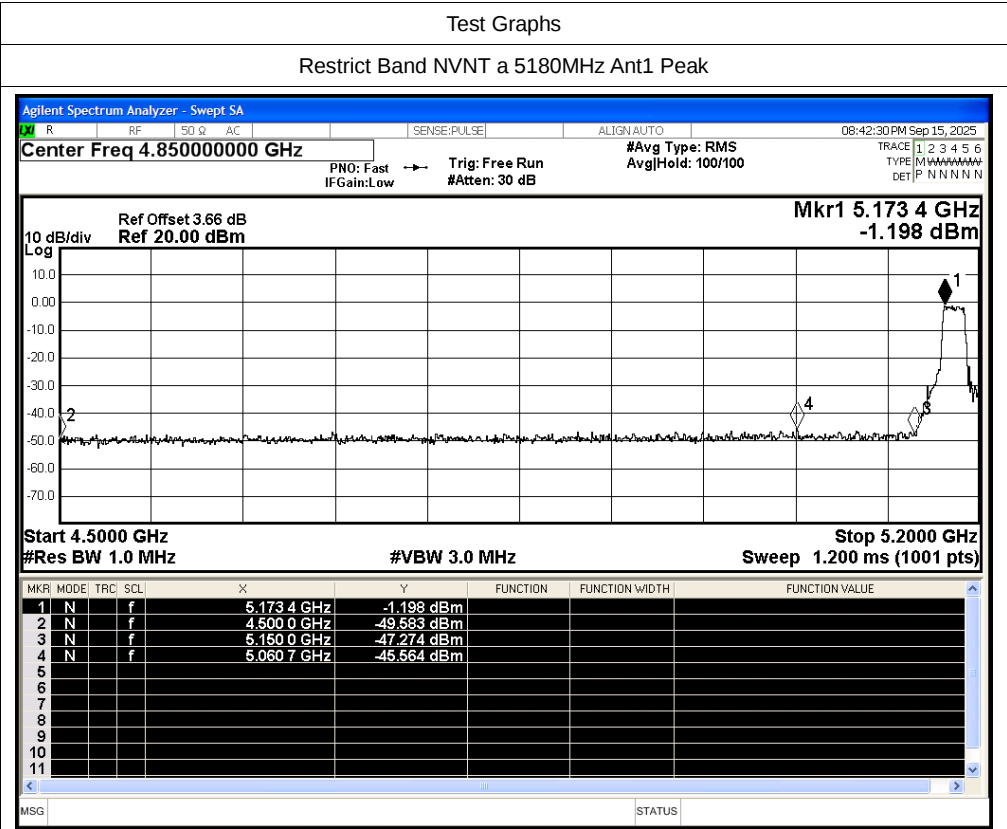


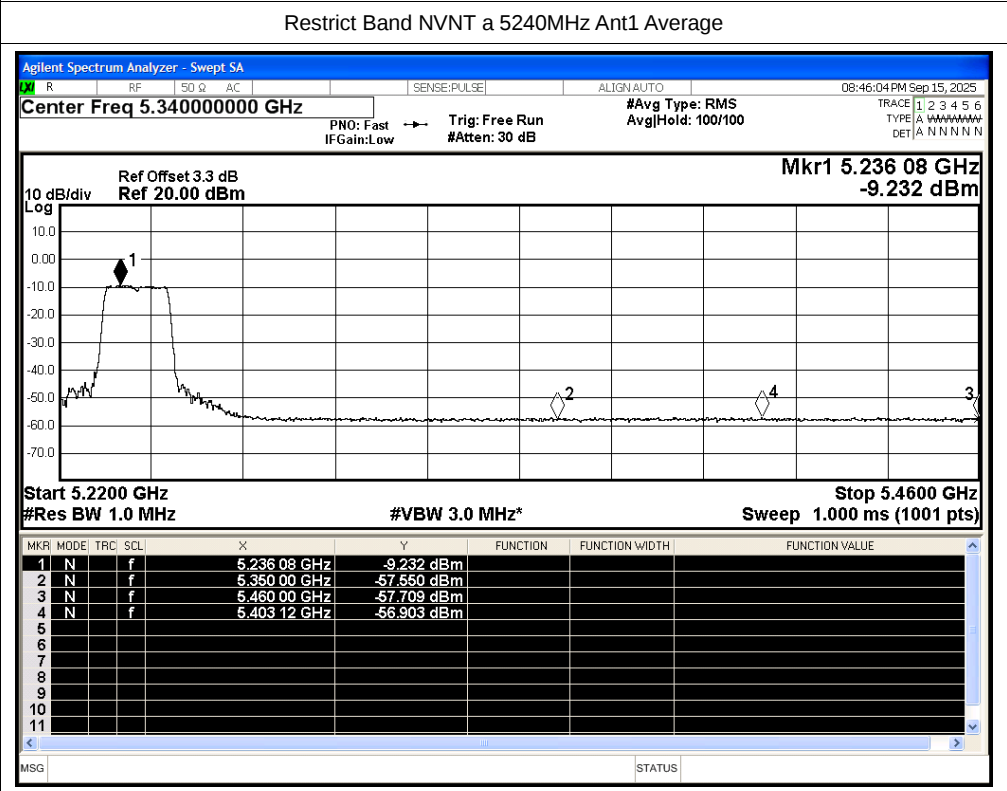
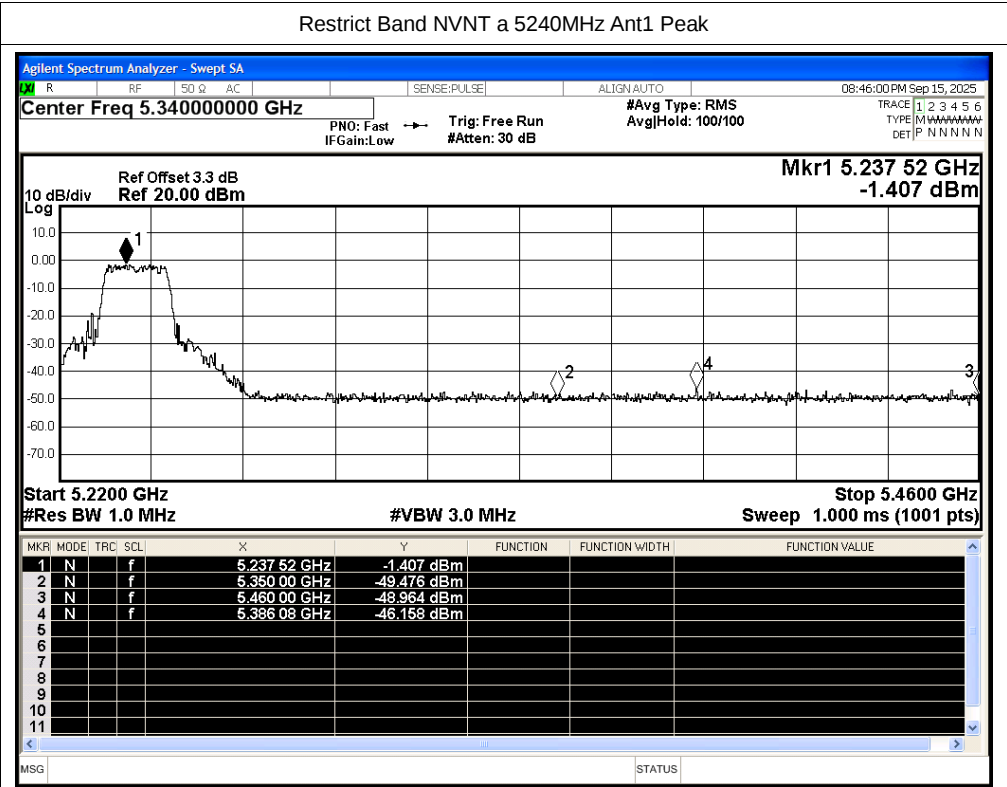
B.4 Restrict Band

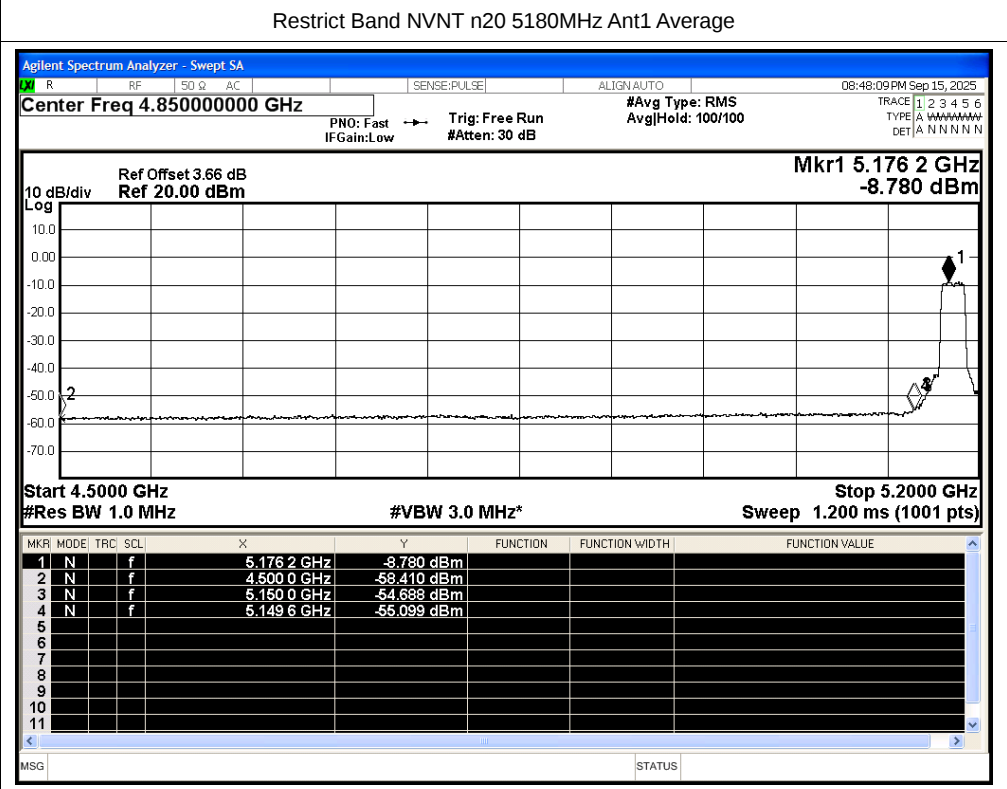
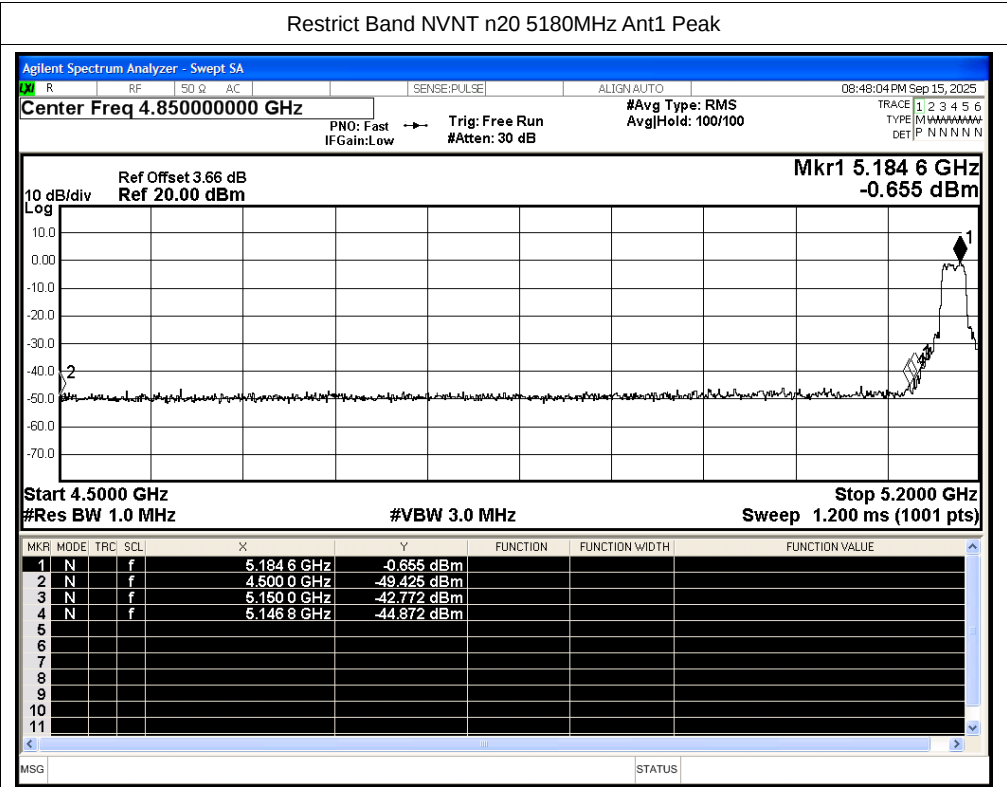
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant1	4500	-49.58	3.86	-	49.51	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-58	3.86	0.24	41.33	Average	54	Pass
NVNT	a	5180	Ant1	5060.7	-45.56	3.86	-	53.53	Peak	68.2	Pass
NVNT	a	5180	Ant1	5148.2	-55.22	3.86	0.24	44.11	Average	54	Pass
NVNT	a	5180	Ant1	5150	-47.27	3.86	-	51.82	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-55.55	3.86	0.24	43.78	Average	54	Pass
NVNT	a	5240	Ant1	5350	-49.48	3.86	-	49.61	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-57.55	3.86	0.24	41.78	Average	54	Pass
NVNT	a	5240	Ant1	5386.08	-46.16	3.86	-	52.93	Peak	68.2	Pass
NVNT	a	5240	Ant1	5403.12	-56.9	3.86	0.24	42.43	Average	54	Pass
NVNT	a	5240	Ant1	5460	-48.96	3.86	-	50.13	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-57.71	3.86	0.24	41.62	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-49.43	3.86	-	49.66	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-58.41	3.86	0.12	40.80	Average	54	Pass
NVNT	n20	5180	Ant1	5146.8	-44.87	3.86	-	54.22	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-55.1	3.86	0.12	44.11	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-42.77	3.86	-	56.32	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-54.69	3.86	0.12	44.52	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-49.01	3.86	-	50.08	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-57.47	3.86	0.12	41.74	Average	54	Pass
NVNT	n20	5240	Ant1	5365.2	-46.66	3.86	-	52.43	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5380.08	-56.88	3.86	0.12	42.33	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-49.9	3.86	-	49.19	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-58.24	3.86	0.12	40.97	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-49.92	3.86	-	49.17	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-58.07	3.86	0.23	41.25	Average	54	Pass
NVNT	n40	5190	Ant1	5148.97	-44.43	3.86	-	54.66	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-54.17	3.86	0.23	45.15	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-46.94	3.86	-	52.15	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-54.17	3.86	0.23	45.15	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-49.86	3.86	-	49.23	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-57.91	3.86	0.23	41.41	Average	54	Pass
NVNT	n40	5230	Ant1	5429.76	-47.13	3.86	-	51.96	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5370.09	-56.98	3.86	0.23	42.34	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-48.82	3.86	-	50.27	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-58.23	3.86	0.23	41.09	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-51.12	3.86	-	47.97	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-58.84	3.86	0.12	40.37	Average	54	Pass

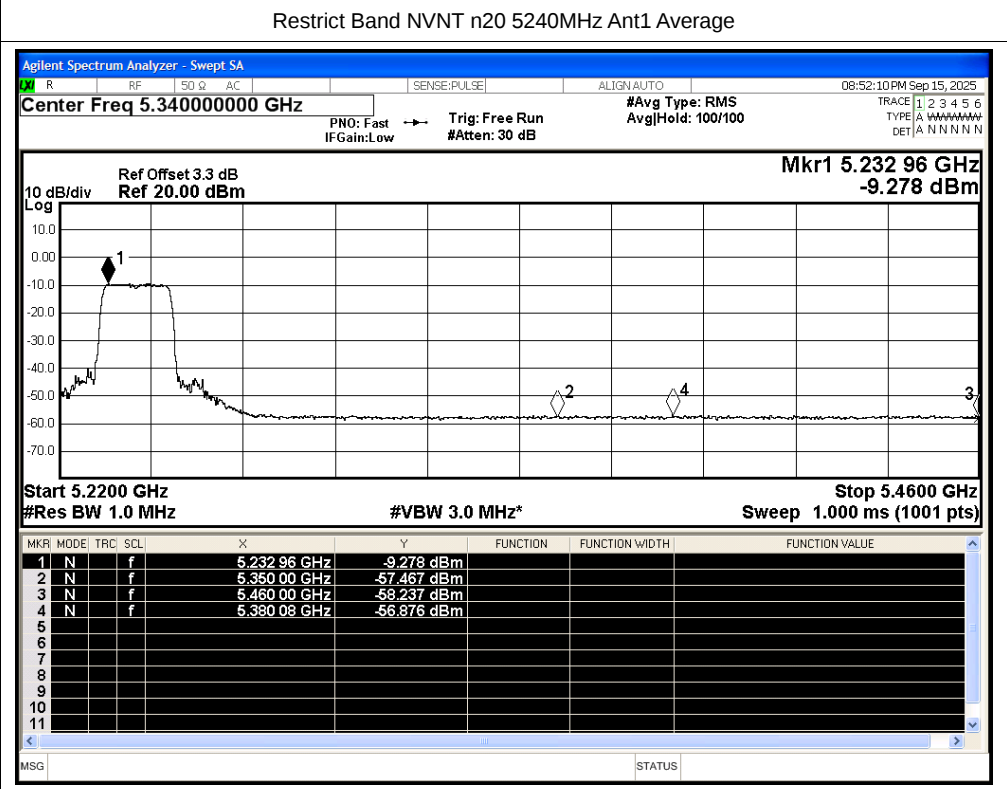
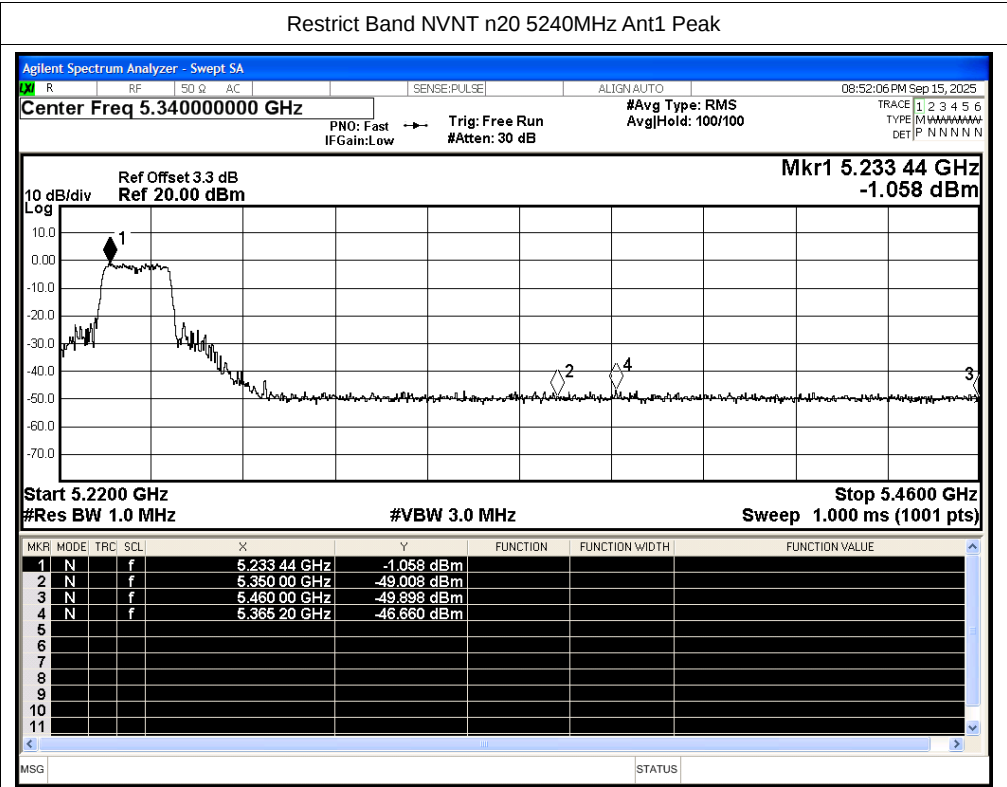
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NVNT	ac20	5180	Ant1	5147.5	-55.59	3.86	0.12	43.62	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-47.91	3.86	-	51.18	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-55.47	3.86	0.12	43.74	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-49.34	3.86	-	49.75	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-57.36	3.86	0.12	41.85	Average	54	Pass
NVNT	ac20	5240	Ant1	5408.64	-47.32	3.86	-	51.77	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5414.88	-56.71	3.86	0.12	42.50	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-49.49	3.86	-	49.60	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-58.11	3.86	0.12	41.10	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-50.25	3.86	-	48.84	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-58.19	3.86	0.24	41.14	Average	54	Pass
NVNT	ac40	5190	Ant1	5146.05	-41.62	3.86	-	57.47	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5148.24	-55.02	3.86	0.24	44.31	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-43.58	3.86	-	55.51	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-55.2	3.86	0.24	44.13	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-49.33	3.86	-	49.76	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-57.37	3.86	0.24	41.96	Average	54	Pass
NVNT	ac40	5230	Ant1	5422.74	-46.91	3.86	-	52.18	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5401.41	-56.78	3.86	0.24	42.55	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-48.97	3.86	-	50.12	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-58.13	3.86	0.24	41.20	Average	54	Pass
NVNT	ax20	5180	Ant1	4500	-50.08	3.86	-	49.01	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	4500	-58.43	3.86	0.12	40.78	Average	54	Pass
NVNT	ax20	5180	Ant1	5072.6	-46.13	3.86	-	52.96	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	5149.6	-55.62	3.86	0.12	43.59	Average	54	Pass
NVNT	ax20	5180	Ant1	5150	-41.43	3.86	-	57.66	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	5150	-54.98	3.86	0.12	44.23	Average	54	Pass
NVNT	ax20	5240	Ant1	5350	-49.31	3.86	-	49.78	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5350	-58.09	3.86	0.12	41.12	Average	54	Pass
NVNT	ax20	5240	Ant1	5418	-47.01	3.86	-	52.08	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5443.92	-57.05	3.86	0.12	42.16	Average	54	Pass
NVNT	ax20	5240	Ant1	5460	-50.16	3.86	-	48.93	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5460	-57.5	3.86	0.12	41.71	Average	54	Pass
NVNT	ax40	5190	Ant1	4500	-49.72	3.86	-	49.37	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	4500	-58.33	3.86	0.24	41.00	Average	54	Pass
NVNT	ax40	5190	Ant1	5027.79	-45.52	3.86	-	53.57	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	5149.7	-55.13	3.86	0.24	44.20	Average	54	Pass
NVNT	ax40	5190	Ant1	5150	-46.27	3.86	-	52.82	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	5150	-55.13	3.86	0.24	44.20	Average	54	Pass
NVNT	ax40	5230	Ant1	5350	-48.1	3.86	-	50.99	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5350	-58.04	3.86	0.24	41.29	Average	54	Pass
NVNT	ax40	5230	Ant1	5368.2	-47.8	3.86	-	51.29	Peak	68.2	Pass

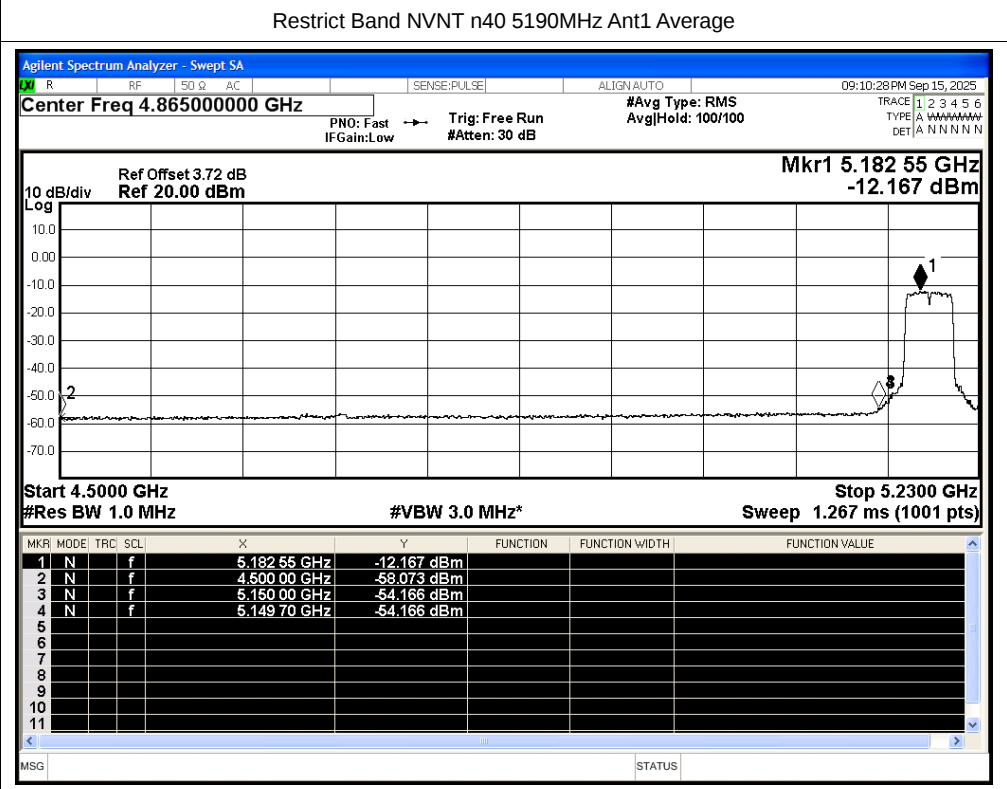
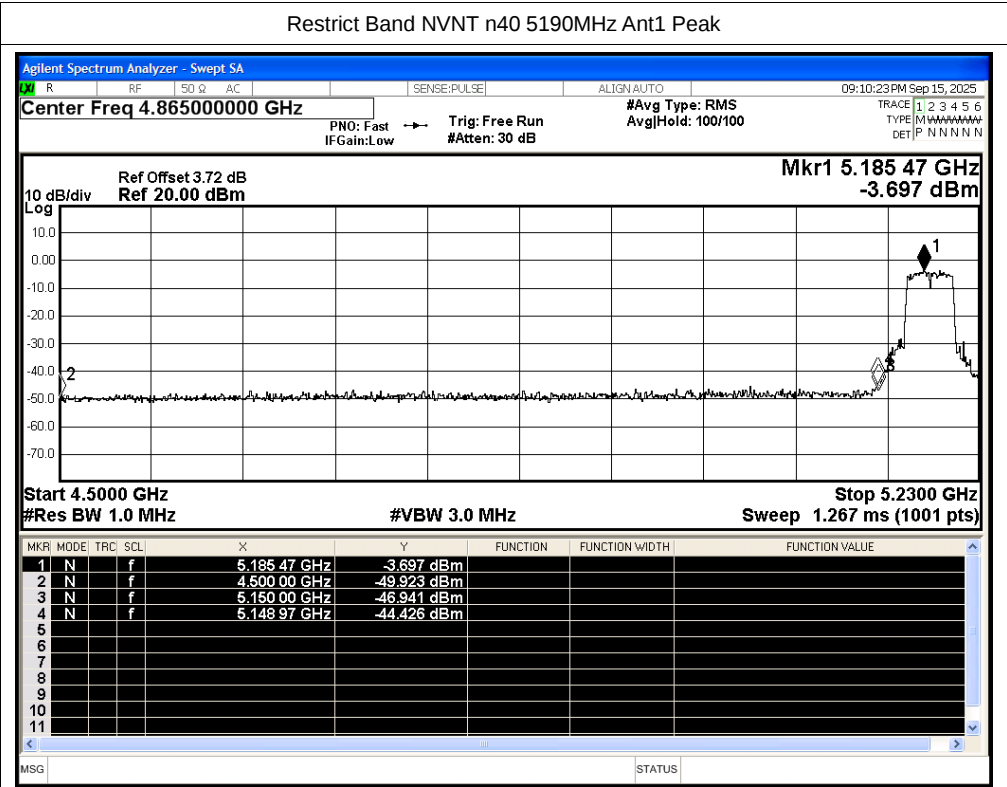
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NVNT	ax40	5230	Ant1	5460	-50.1	3.86	-	48.99	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5460	-57.72	3.86	0.24	41.61	Average	54	Pass

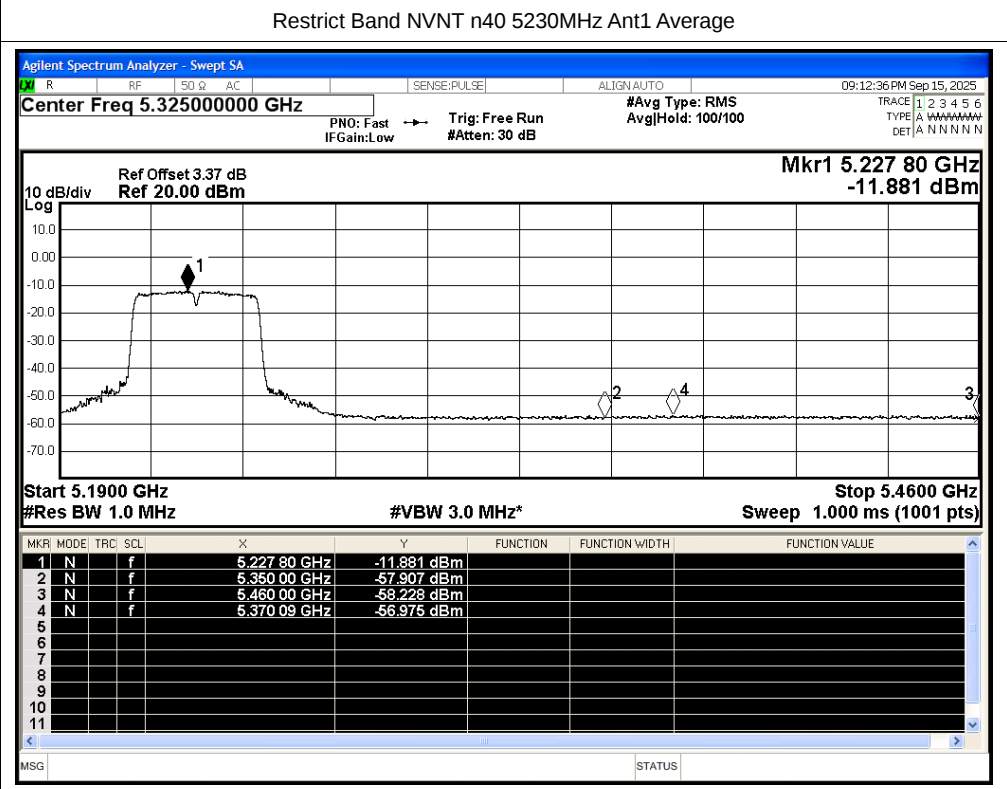
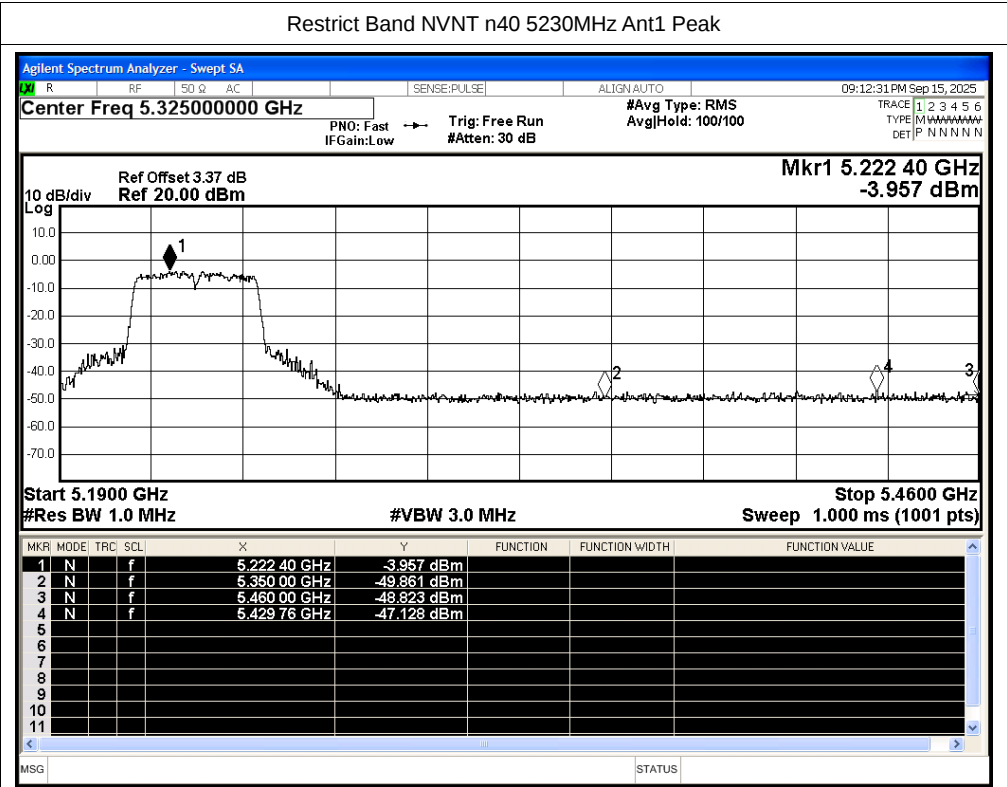


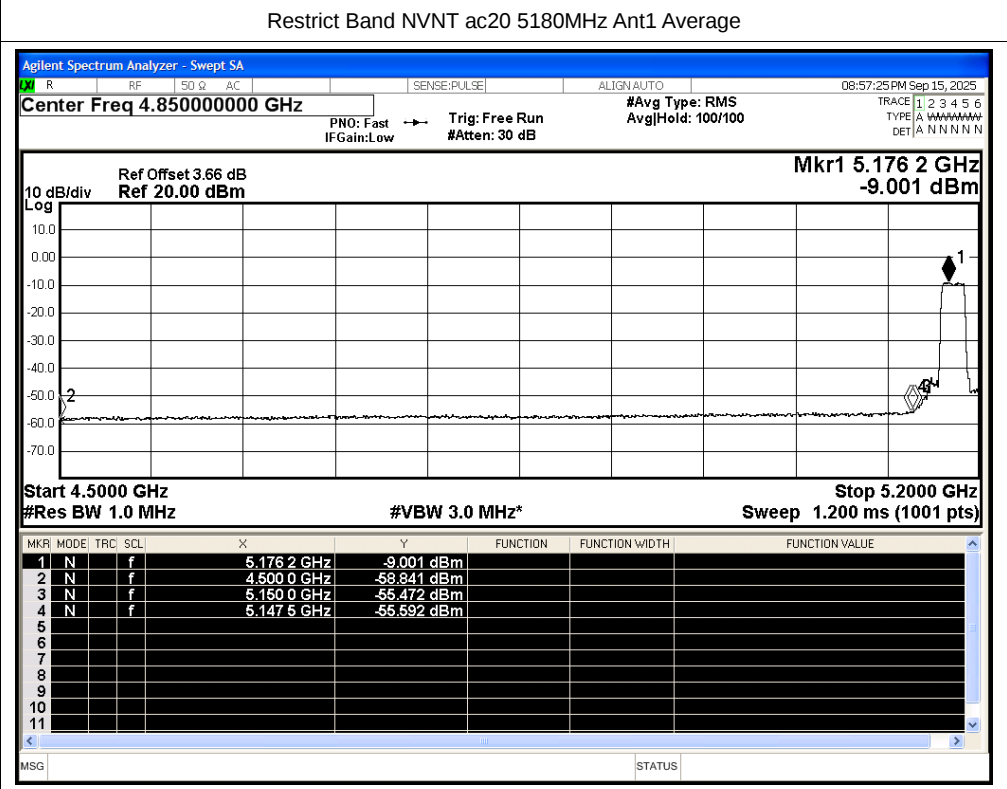
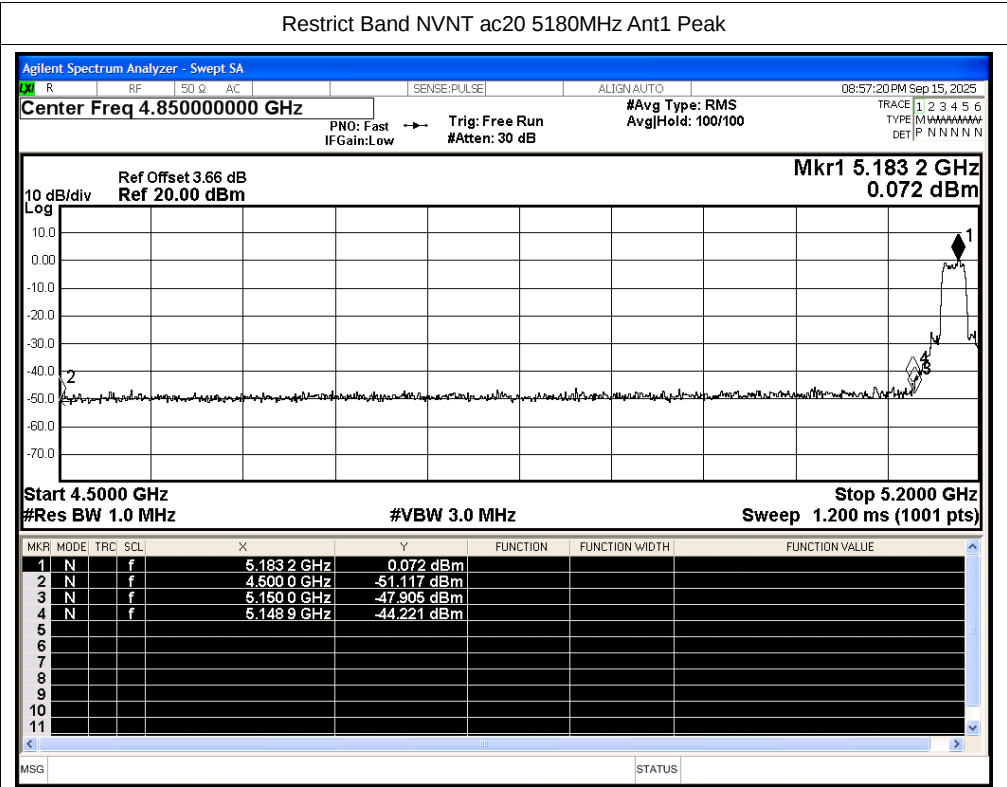


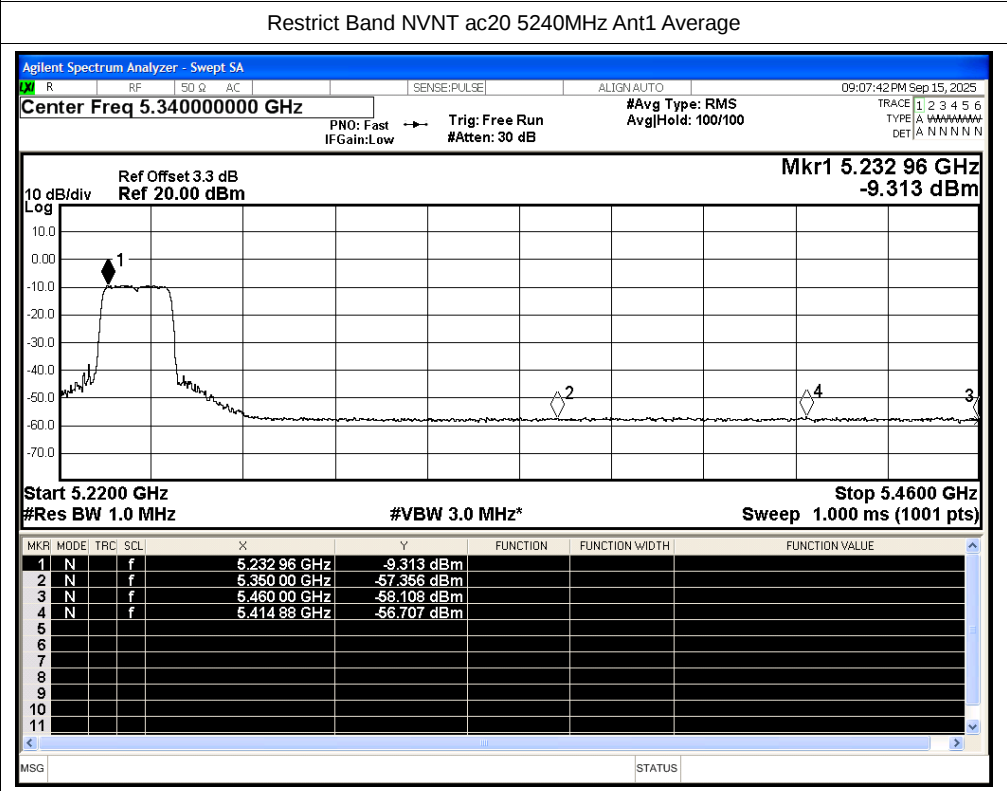
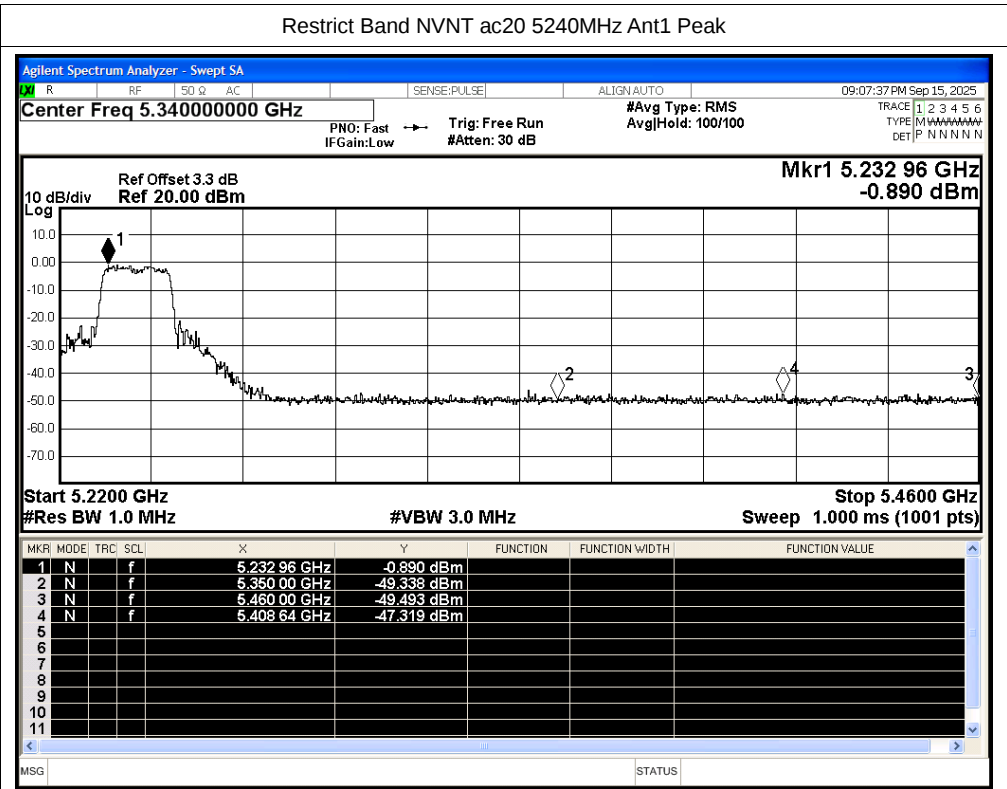


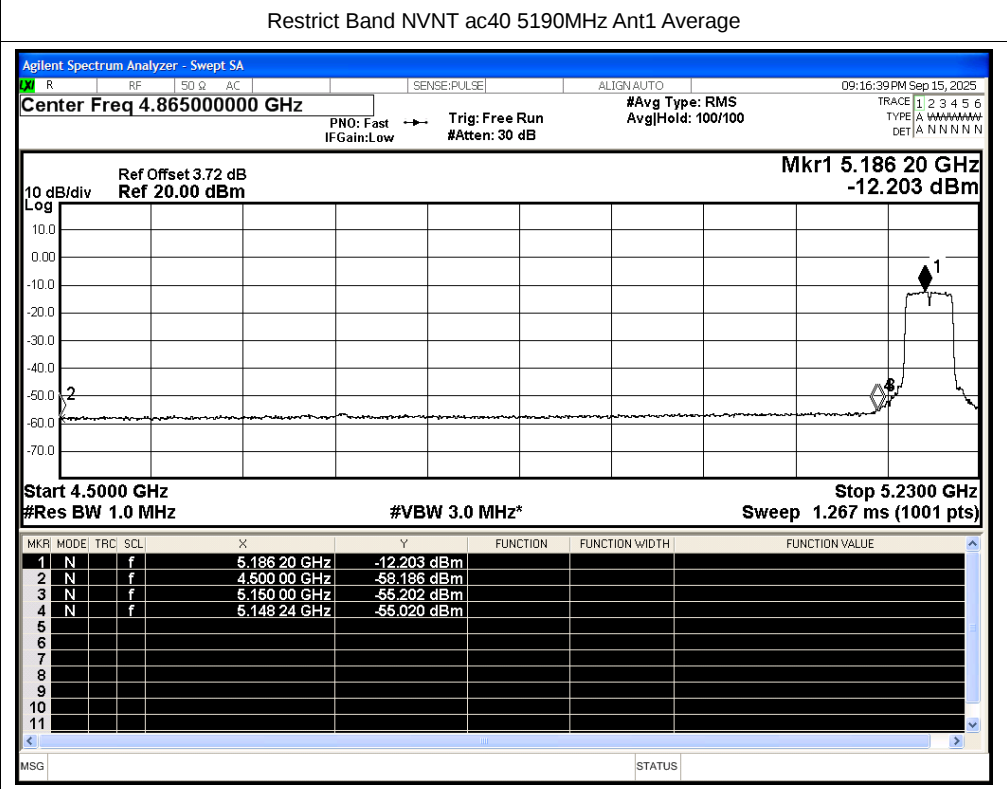
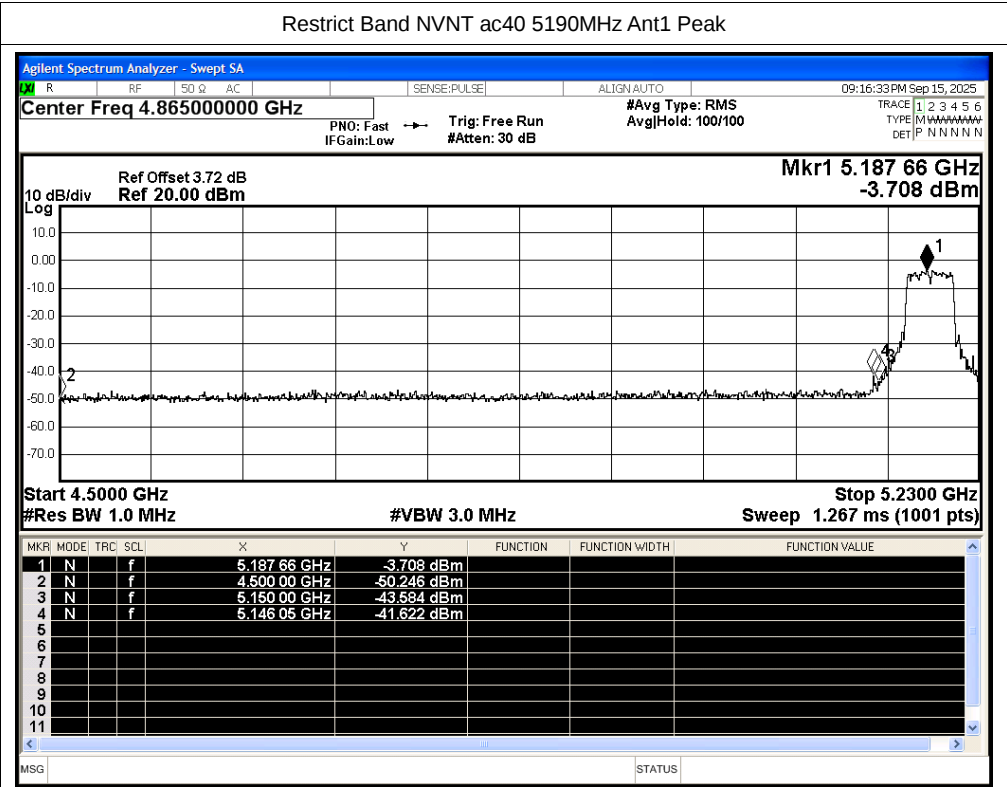


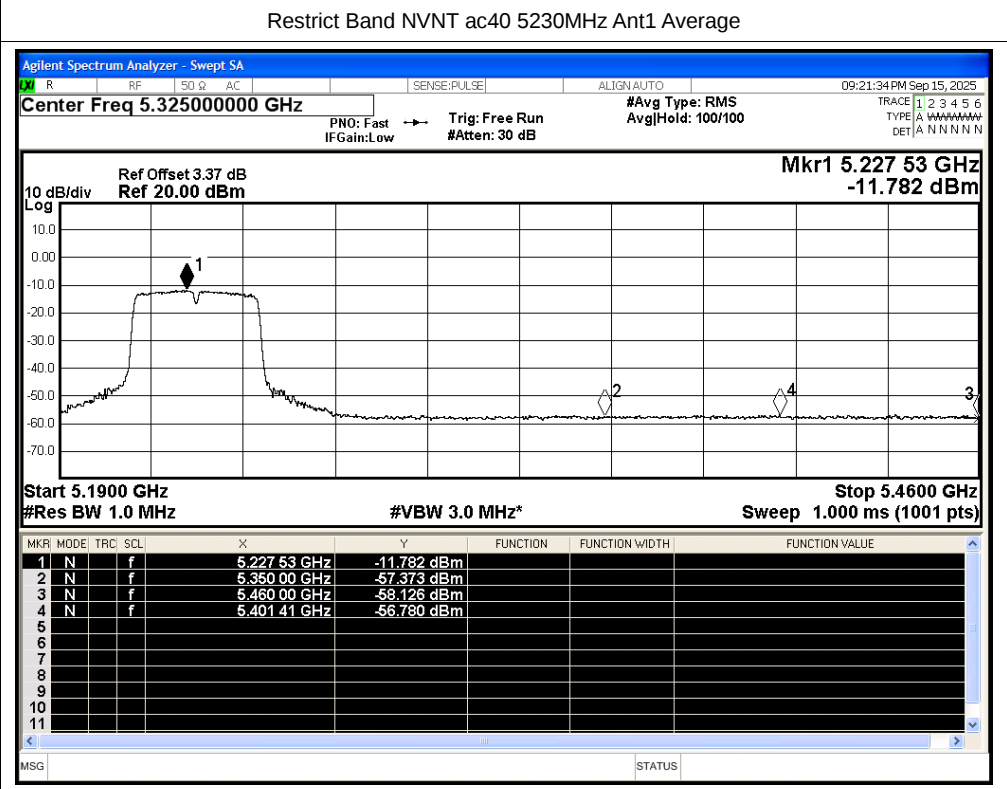
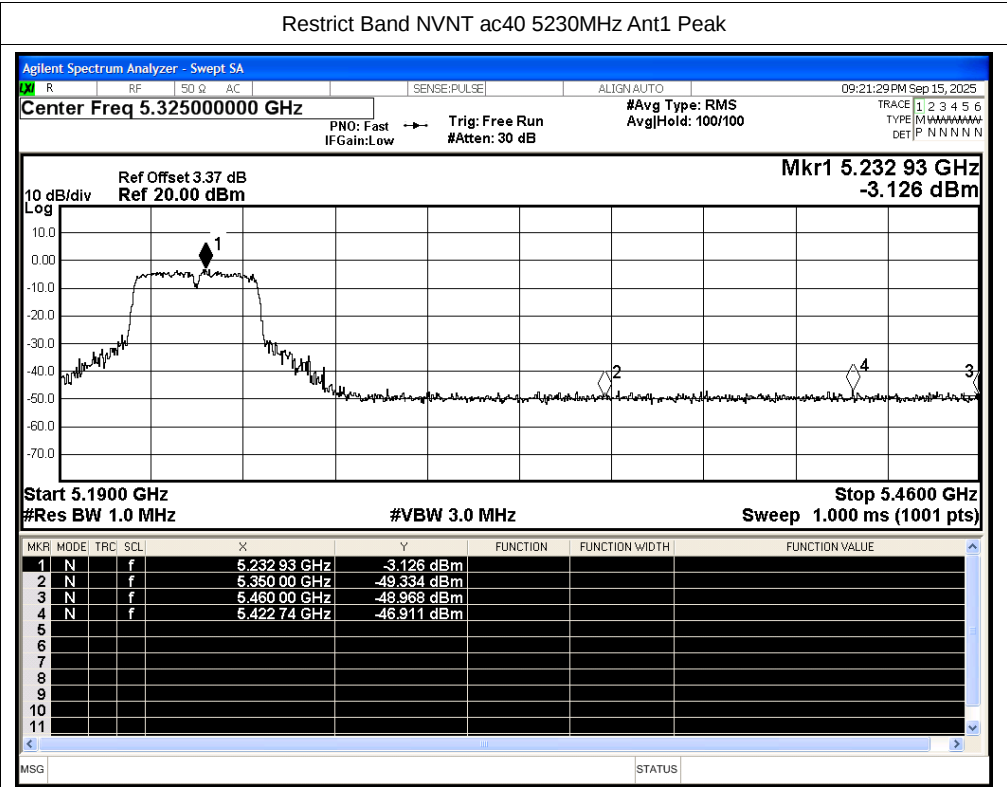


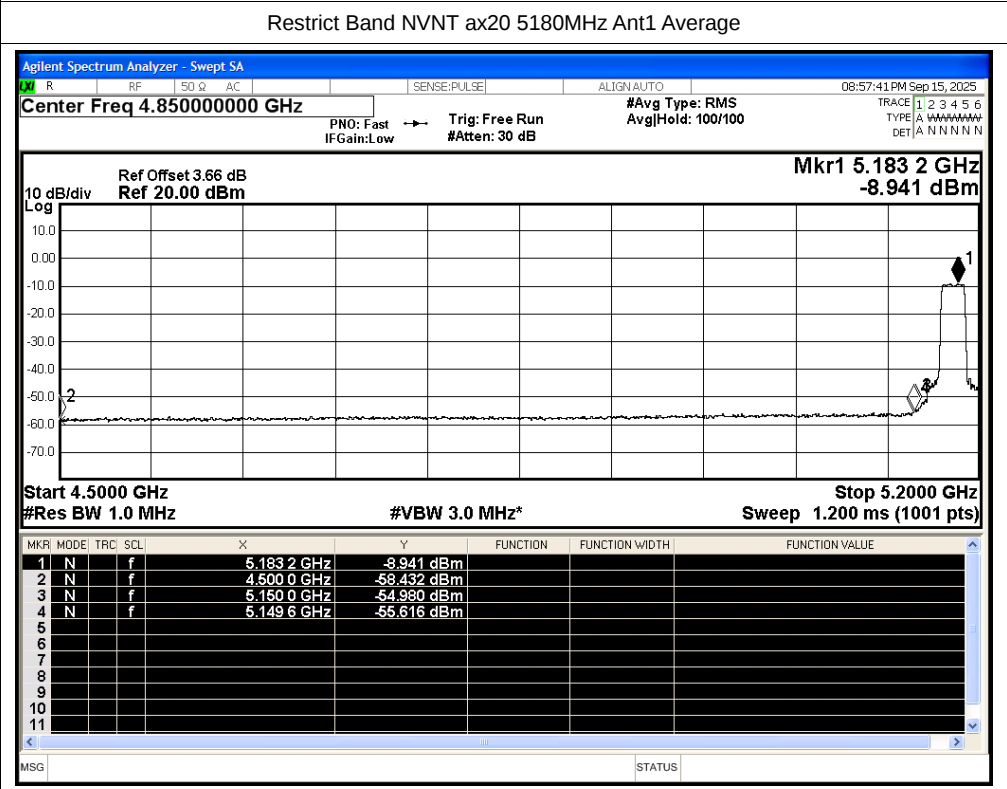
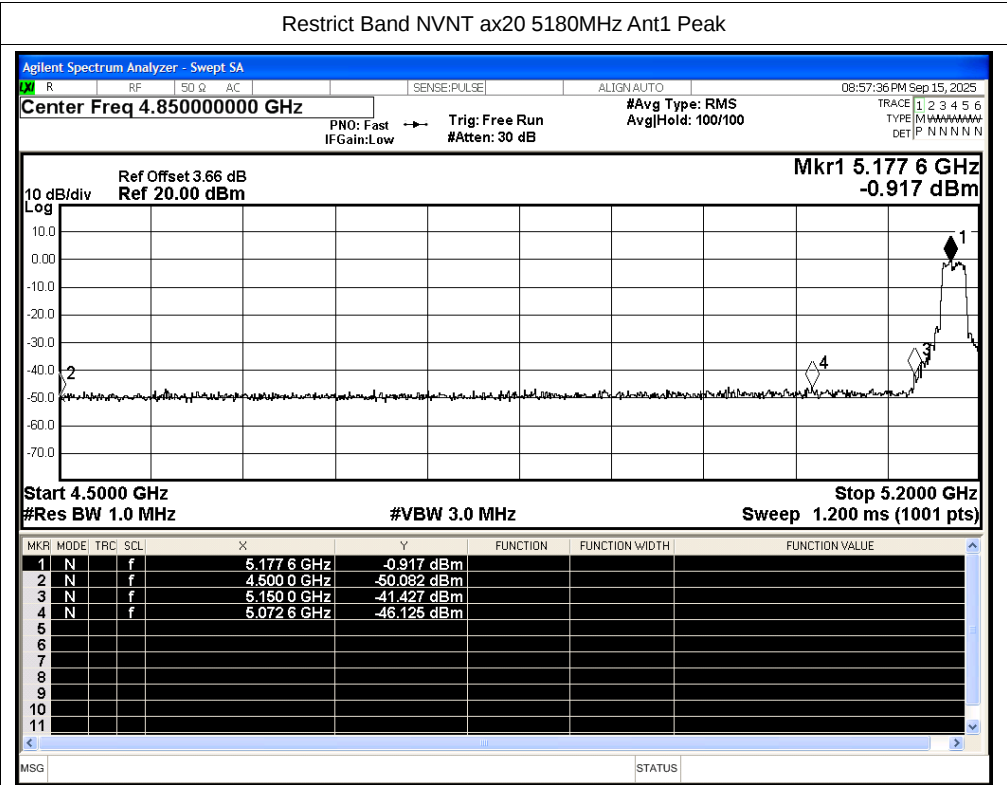


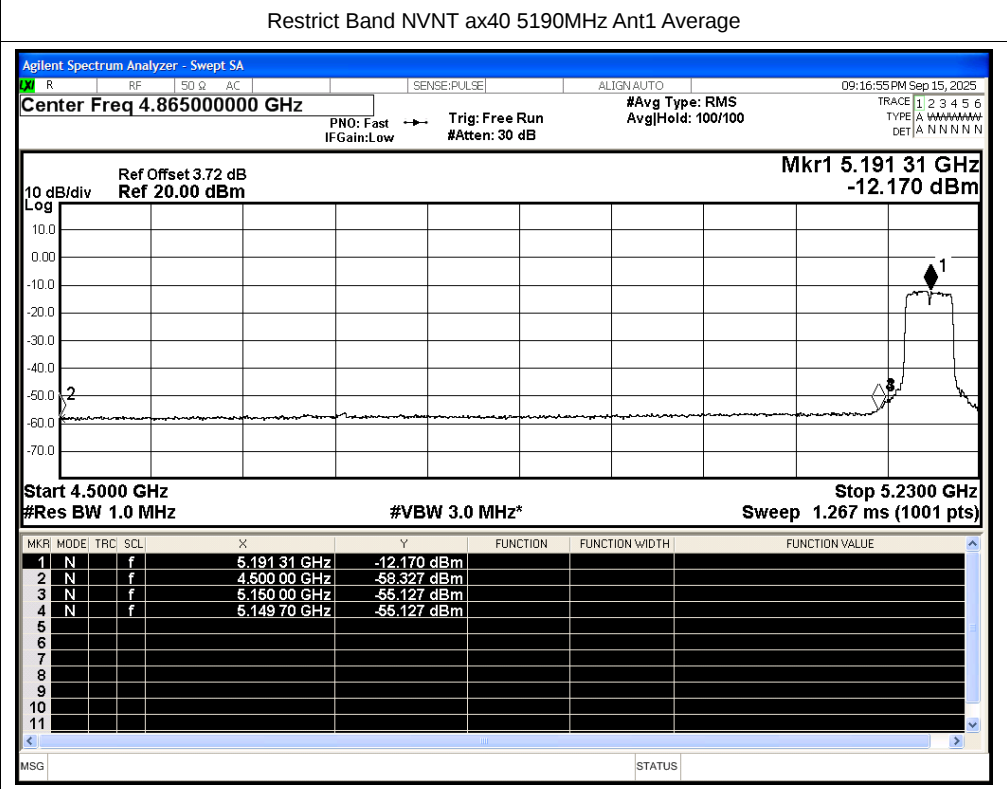
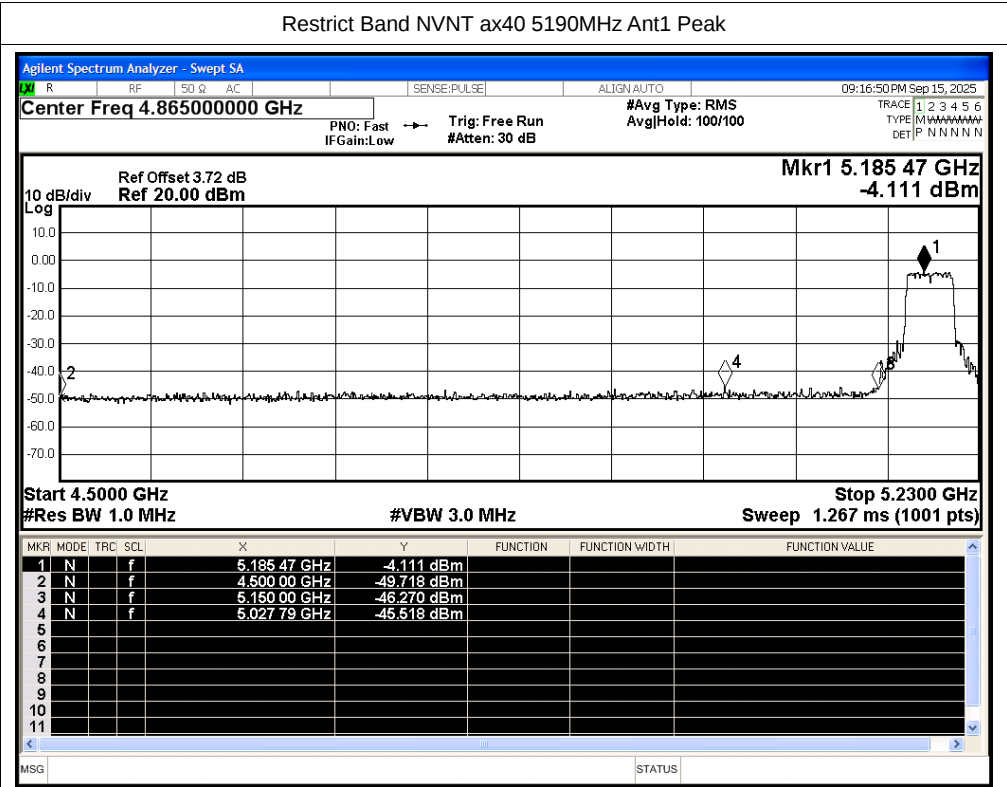


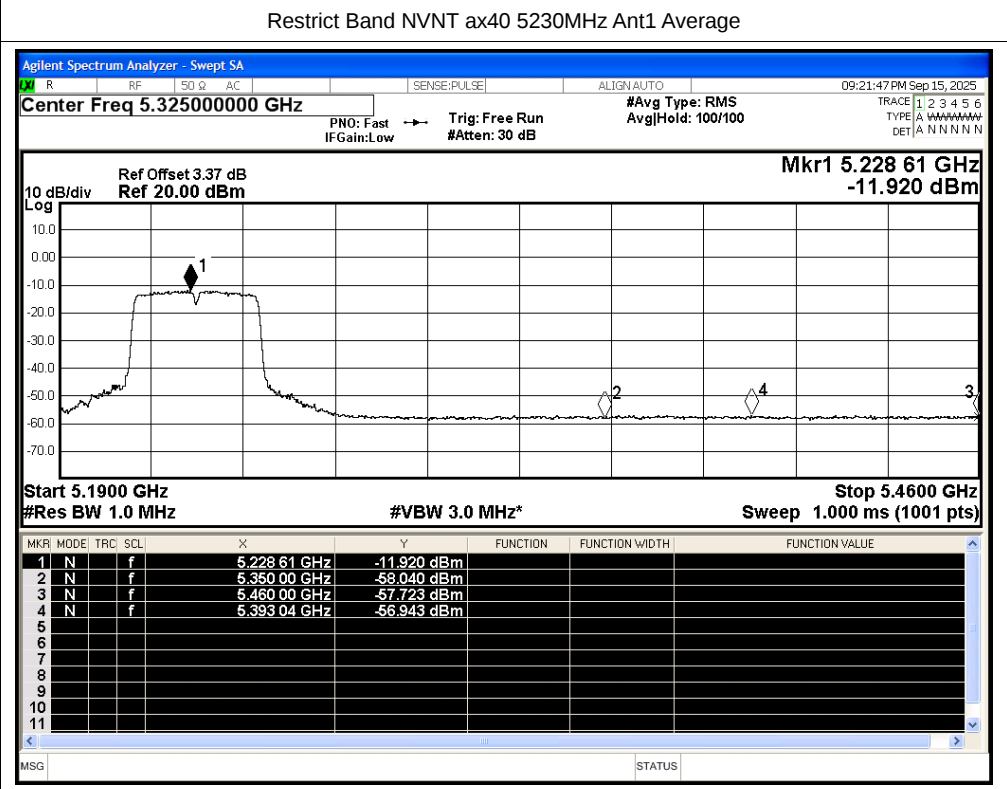
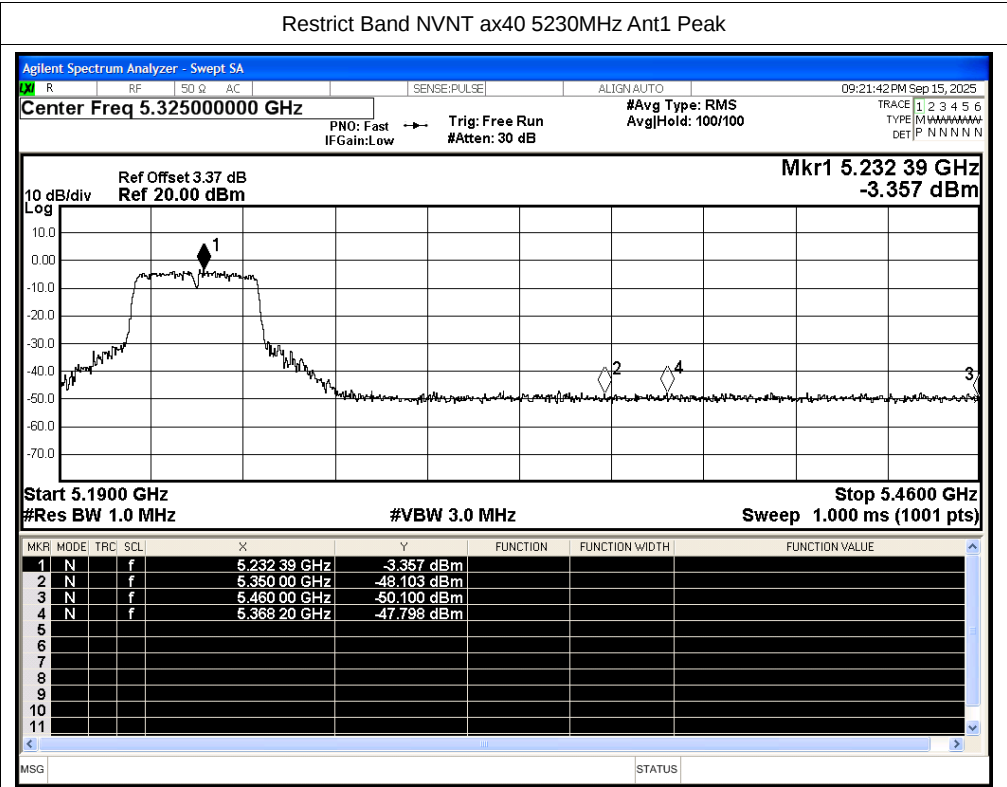








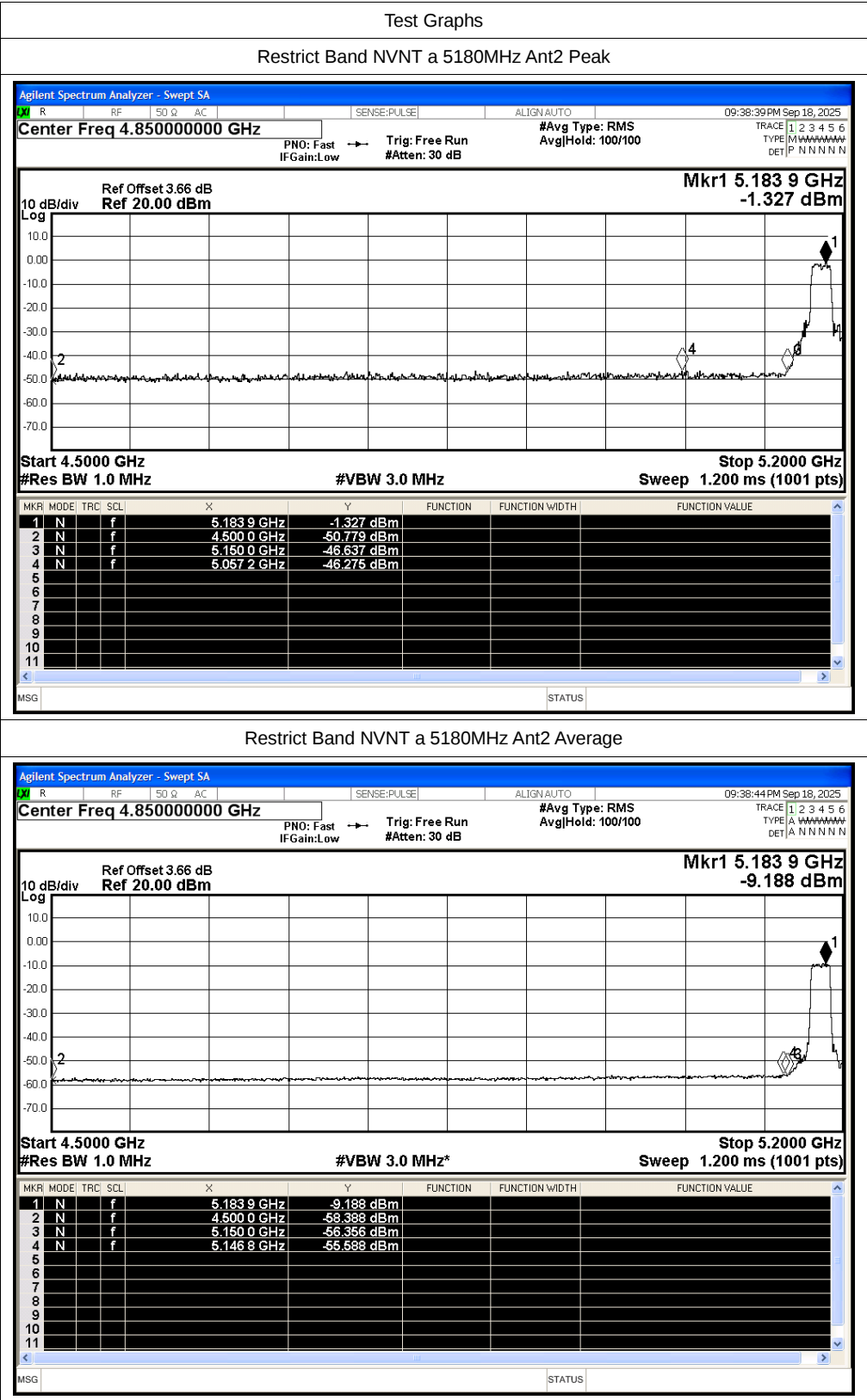


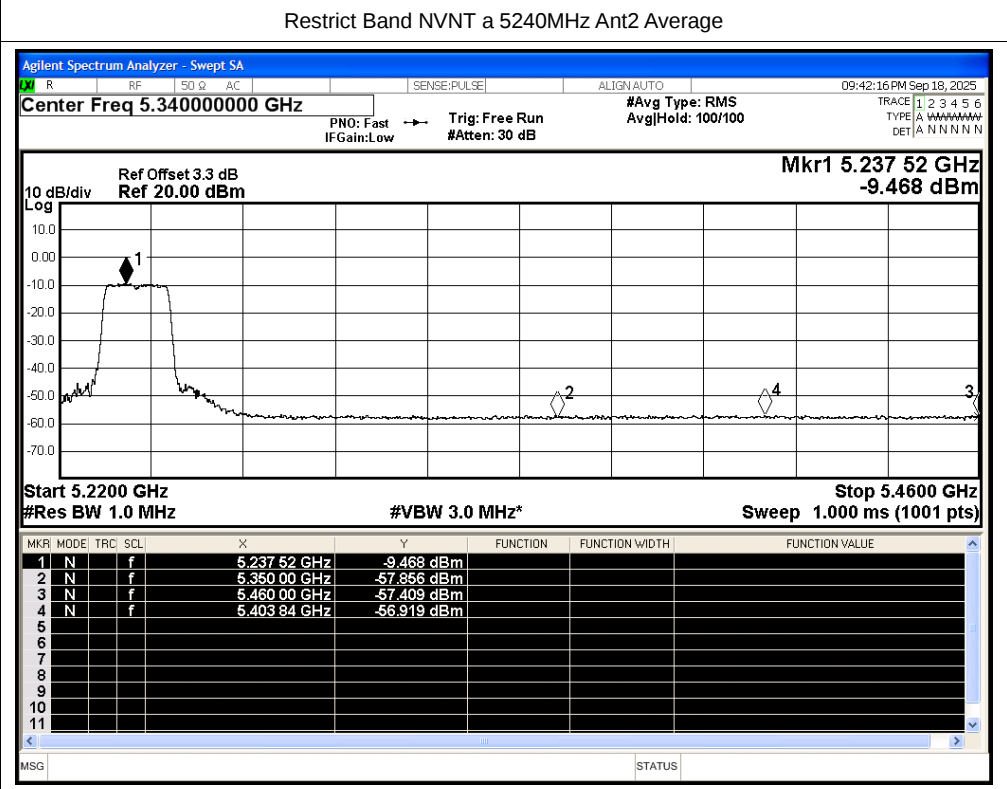
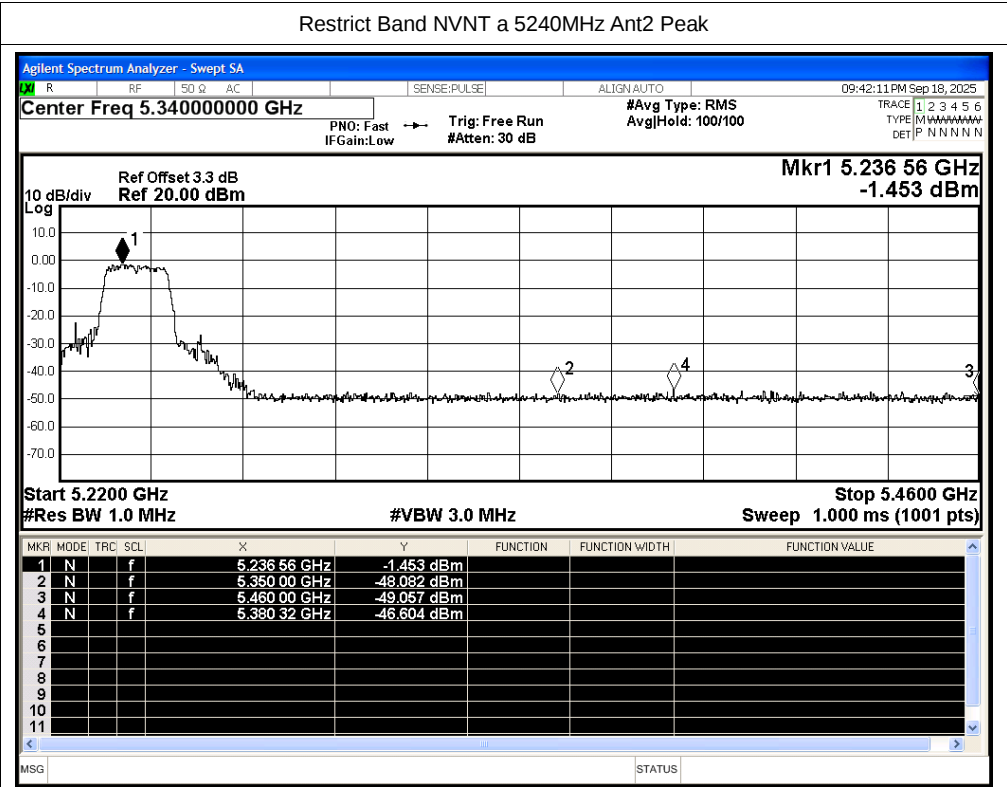


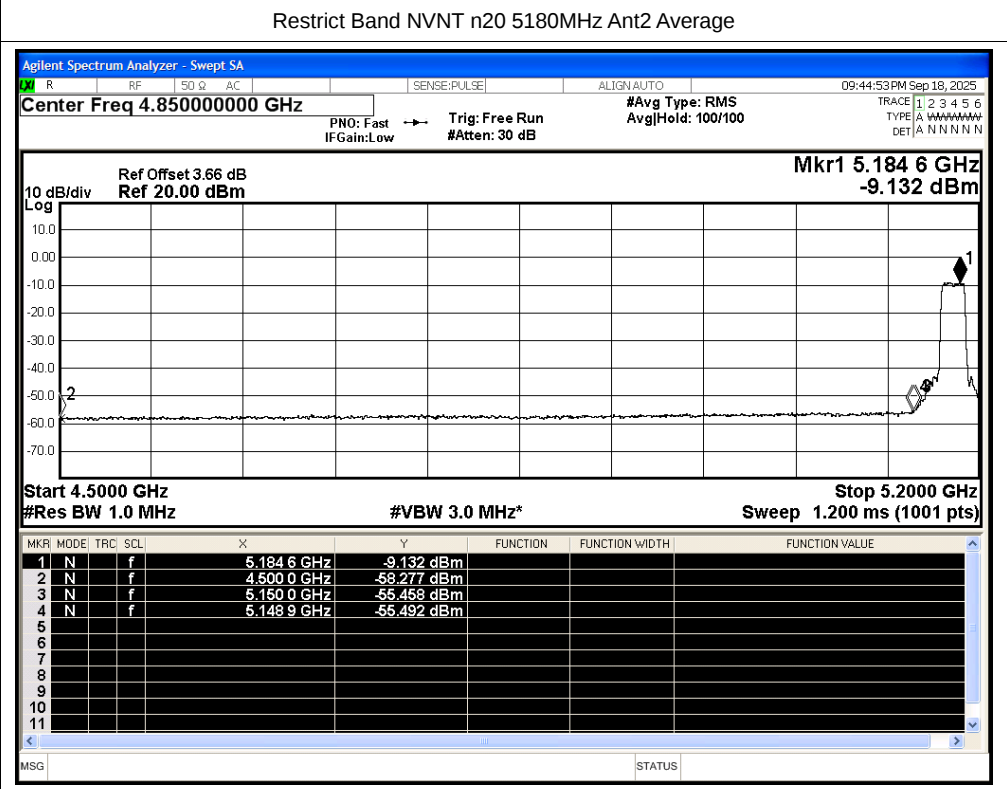
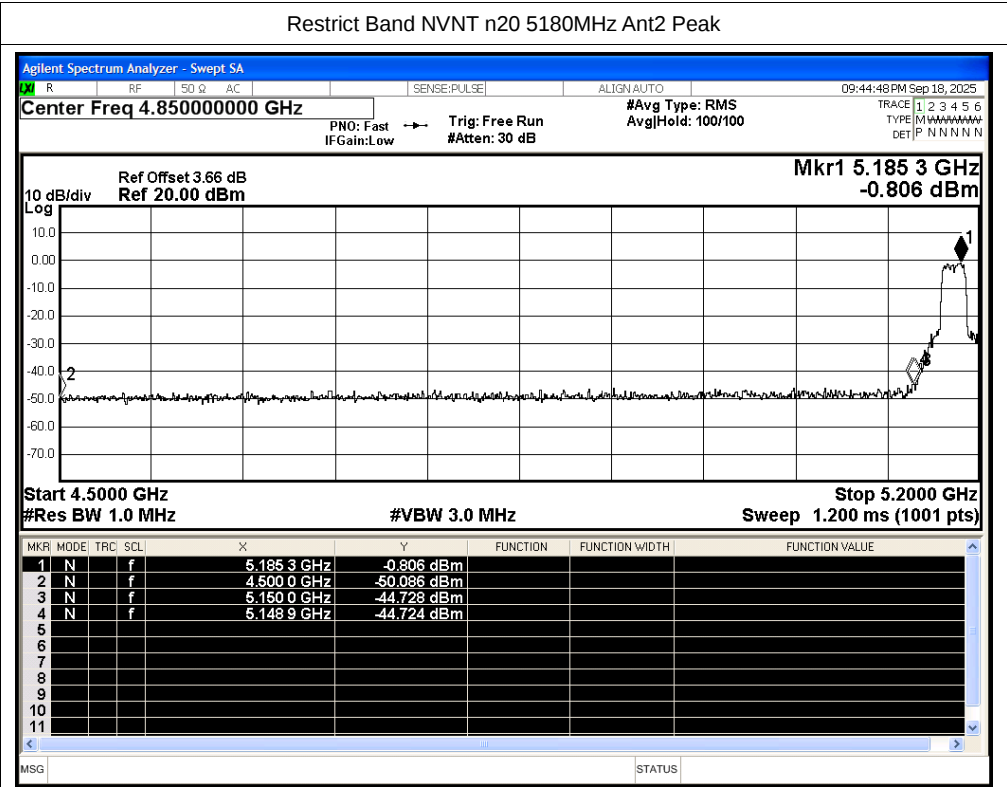
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant2	4500	-50.78	3.5	-	47.95	Peak	68.2	Pass
NVNT	a	5180	Ant2	4500	-58.39	3.5	0.24	40.58	Average	54	Pass
NVNT	a	5180	Ant2	5057.2	-46.28	3.5	-	52.45	Peak	68.2	Pass
NVNT	a	5180	Ant2	5146.8	-55.59	3.5	0.24	43.38	Average	54	Pass
NVNT	a	5180	Ant2	5150	-46.64	3.5	-	52.09	Peak	68.2	Pass
NVNT	a	5180	Ant2	5150	-56.36	3.5	0.24	42.61	Average	54	Pass
NVNT	a	5240	Ant2	5350	-48.08	3.5	-	50.65	Peak	68.2	Pass
NVNT	a	5240	Ant2	5350	-57.86	3.5	0.24	41.11	Average	54	Pass
NVNT	a	5240	Ant2	5380.32	-46.6	3.5	-	52.13	Peak	68.2	Pass
NVNT	a	5240	Ant2	5403.84	-56.92	3.5	0.24	42.05	Average	54	Pass
NVNT	a	5240	Ant2	5460	-49.06	3.5	-	49.67	Peak	68.2	Pass
NVNT	a	5240	Ant2	5460	-57.41	3.5	0.24	41.56	Average	54	Pass
NVNT	n20	5180	Ant2	4500	-50.09	3.5	-	48.64	Peak	68.2	Pass
NVNT	n20	5180	Ant2	4500	-58.28	3.5	0.12	40.57	Average	54	Pass
NVNT	n20	5180	Ant2	5148.9	-44.72	3.5	-	54.01	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5148.9	-55.49	3.5	0.12	43.36	Average	54	Pass
NVNT	n20	5180	Ant2	5150	-44.73	3.5	-	54.00	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5150	-55.46	3.5	0.12	43.39	Average	54	Pass
NVNT	n20	5240	Ant2	5350	-49.54	3.5	-	49.19	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350	-57.52	3.5	0.12	41.33	Average	54	Pass
NVNT	n20	5240	Ant2	5421.36	-46.12	3.5	-	52.61	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350.32	-56.87	3.5	0.12	41.98	Average	54	Pass
NVNT	n20	5240	Ant2	5460	-49.71	3.5	-	49.02	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5460	-57.61	3.5	0.12	41.24	Average	54	Pass
NVNT	n40	5190	Ant2	4500	-50.84	3.5	-	47.89	Peak	68.2	Pass
NVNT	n40	5190	Ant2	4500	-58.46	3.5	0.24	40.51	Average	54	Pass
NVNT	n40	5190	Ant2	5149.7	-43.84	3.5	-	54.89	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5148.97	-55.34	3.5	0.24	43.63	Average	54	Pass
NVNT	n40	5190	Ant2	5150	-43.84	3.5	-	54.89	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5150	-55.74	3.5	0.24	43.23	Average	54	Pass
NVNT	n40	5230	Ant2	5350	-49.73	3.5	-	49.00	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5350	-57.42	3.5	0.24	41.55	Average	54	Pass
NVNT	n40	5230	Ant2	5442.45	-46.43	3.5	-	52.30	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5366.58	-56.59	3.5	0.24	42.38	Average	54	Pass
NVNT	n40	5230	Ant2	5460	-49.31	3.5	-	49.42	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5460	-57.82	3.5	0.24	41.15	Average	54	Pass
NVNT	ac20	5180	Ant2	4500	-50.66	3.5	-	48.07	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	4500	-58.27	3.5	0.12	40.58	Average	54	Pass
NVNT	ac20	5180	Ant2	5146.8	-43.71	3.5	-	55.02	Peak	68.2	Pass

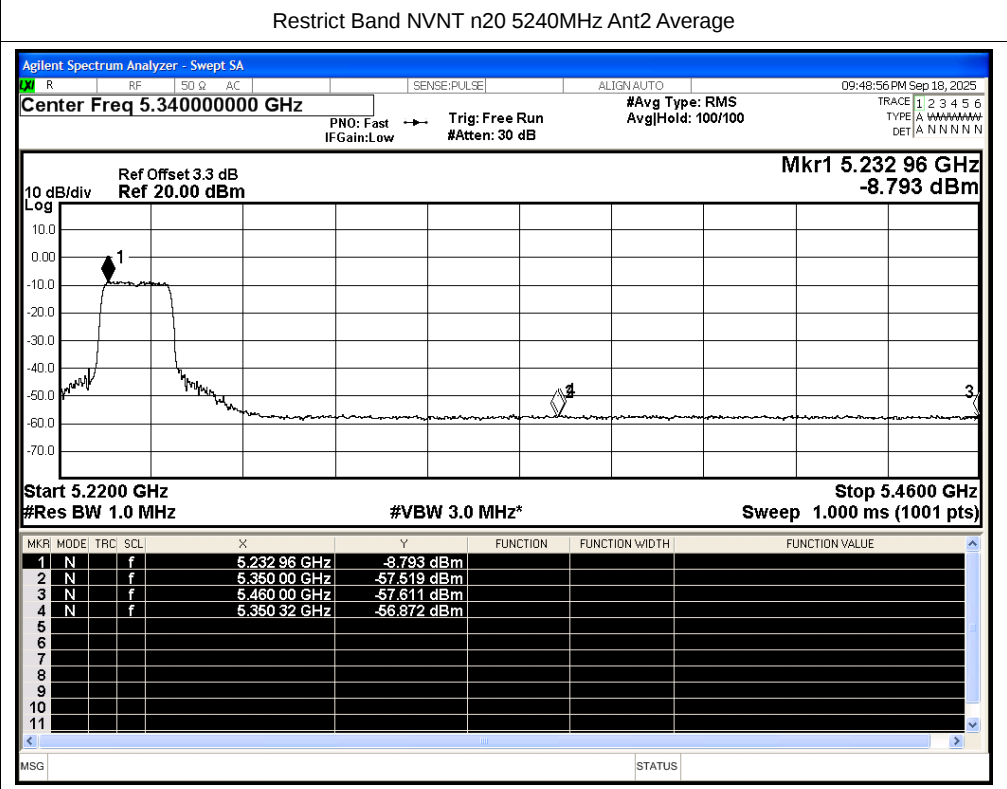
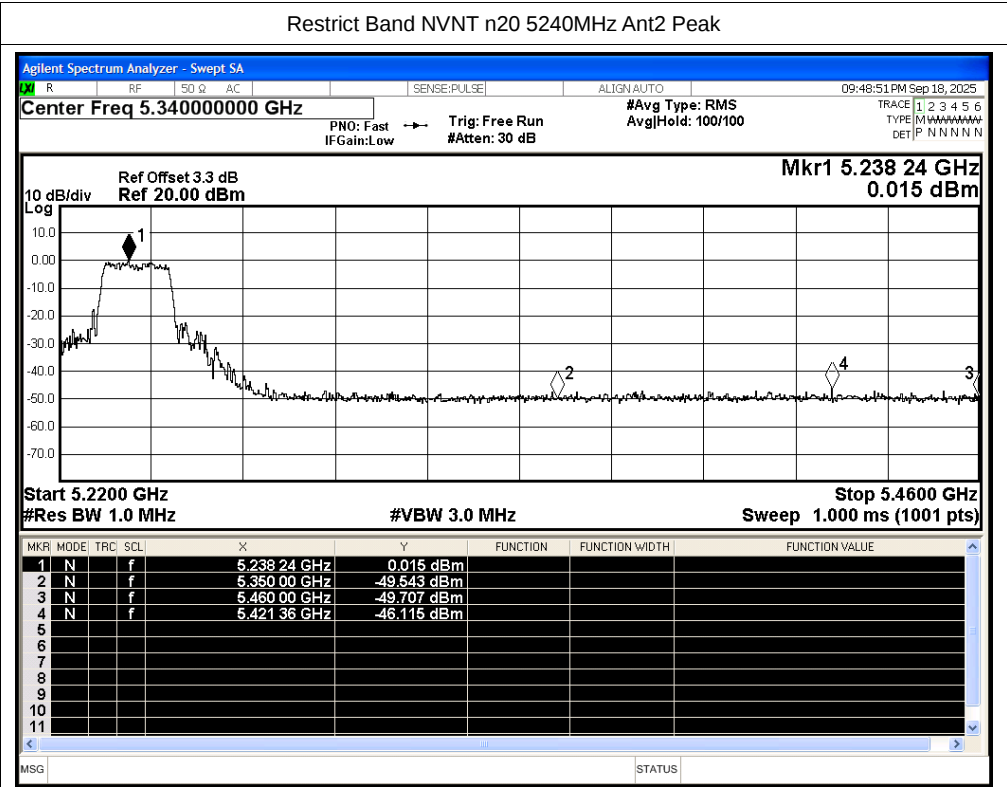
NVNT	ac20	5180	Ant2	5148.2	-55.21	3.5	0.12	43.64	Average	54	Pass
NVNT	ac20	5180	Ant2	5150	-46.02	3.5	-	52.71	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5150	-55.39	3.5	0.12	43.46	Average	54	Pass
NVNT	ac20	5240	Ant2	5350	-48.73	3.5	-	50.00	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5350	-58.19	3.5	0.12	40.66	Average	54	Pass
NVNT	ac20	5240	Ant2	5438.88	-46.81	3.5	-	51.92	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5350.56	-56.93	3.5	0.12	41.92	Average	54	Pass
NVNT	ac20	5240	Ant2	5460	-49.14	3.5	-	49.59	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5460	-58.05	3.5	0.12	40.80	Average	54	Pass
NVNT	ac40	5190	Ant2	4500	-50.57	3.5	-	48.16	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	4500	-58.07	3.5	0.24	40.90	Average	54	Pass
NVNT	ac40	5190	Ant2	5148.97	-42.65	3.5	-	56.08	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5148.97	-54.39	3.5	0.24	44.58	Average	54	Pass
NVNT	ac40	5190	Ant2	5150	-42.67	3.5	-	56.06	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5150	-54.43	3.5	0.24	44.54	Average	54	Pass
NVNT	ac40	5230	Ant2	5350	-49.28	3.5	-	49.45	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5350	-57.82	3.5	0.24	41.15	Average	54	Pass
NVNT	ac40	5230	Ant2	5446.23	-47.51	3.5	-	51.22	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5378.46	-56.76	3.5	0.24	42.21	Average	54	Pass
NVNT	ac40	5230	Ant2	5460	-48.32	3.5	-	50.41	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5460	-57.74	3.5	0.24	41.23	Average	54	Pass
NVNT	ax20	5180	Ant2	4500	-49.88	3.5	-	48.85	Peak	68.2	Pass
NVNT	ax20	5180	Ant2	4500	-58.07	3.5	0.12	40.78	Average	54	Pass
NVNT	ax20	5180	Ant2	5148.9	-42.93	3.5	-	55.80	Peak	68.2	Pass
NVNT	ax20	5180	Ant2	5149.6	-55.37	3.5	0.12	43.48	Average	54	Pass
NVNT	ax20	5180	Ant2	5150	-43.34	3.5	-	55.39	Peak	68.2	Pass
NVNT	ax20	5180	Ant2	5150	-55.17	3.5	0.12	43.68	Average	54	Pass
NVNT	ax20	5240	Ant2	5350	-49.69	3.5	-	49.04	Peak	68.2	Pass
NVNT	ax20	5240	Ant2	5350	-57.81	3.5	0.12	41.04	Average	54	Pass
NVNT	ax20	5240	Ant2	5432.88	-47.05	3.5	-	51.68	Peak	68.2	Pass
NVNT	ax20	5240	Ant2	5386.56	-56.96	3.5	0.12	41.89	Average	54	Pass
NVNT	ax20	5240	Ant2	5460	-50.2	3.5	-	48.53	Peak	68.2	Pass
NVNT	ax20	5240	Ant2	5460	-57.41	3.5	0.12	41.44	Average	54	Pass
NVNT	ax40	5190	Ant2	4500	-49.11	3.5	-	49.62	Peak	68.2	Pass
NVNT	ax40	5190	Ant2	4500	-58.39	3.5	0.24	40.58	Average	54	Pass
NVNT	ax40	5190	Ant2	5146.78	-44.34	3.5	-	54.39	Peak	68.2	Pass
NVNT	ax40	5190	Ant2	5148.97	-54.03	3.5	0.24	44.94	Average	54	Pass
NVNT	ax40	5190	Ant2	5150	-45.92	3.5	-	52.81	Peak	68.2	Pass
NVNT	ax40	5190	Ant2	5150	-54.59	3.5	0.24	44.38	Average	54	Pass
NVNT	ax40	5230	Ant2	5350	-49.25	3.5	-	49.48	Peak	68.2	Pass
NVNT	ax40	5230	Ant2	5350	-57.98	3.5	0.24	40.99	Average	54	Pass
NVNT	ax40	5230	Ant2	5422.47	-46.81	3.5	-	51.92	Peak	68.2	Pass
NVNT	ax40	5230	Ant2	5455.95	-56.85	3.5	0.24	42.12	Average	54	Pass

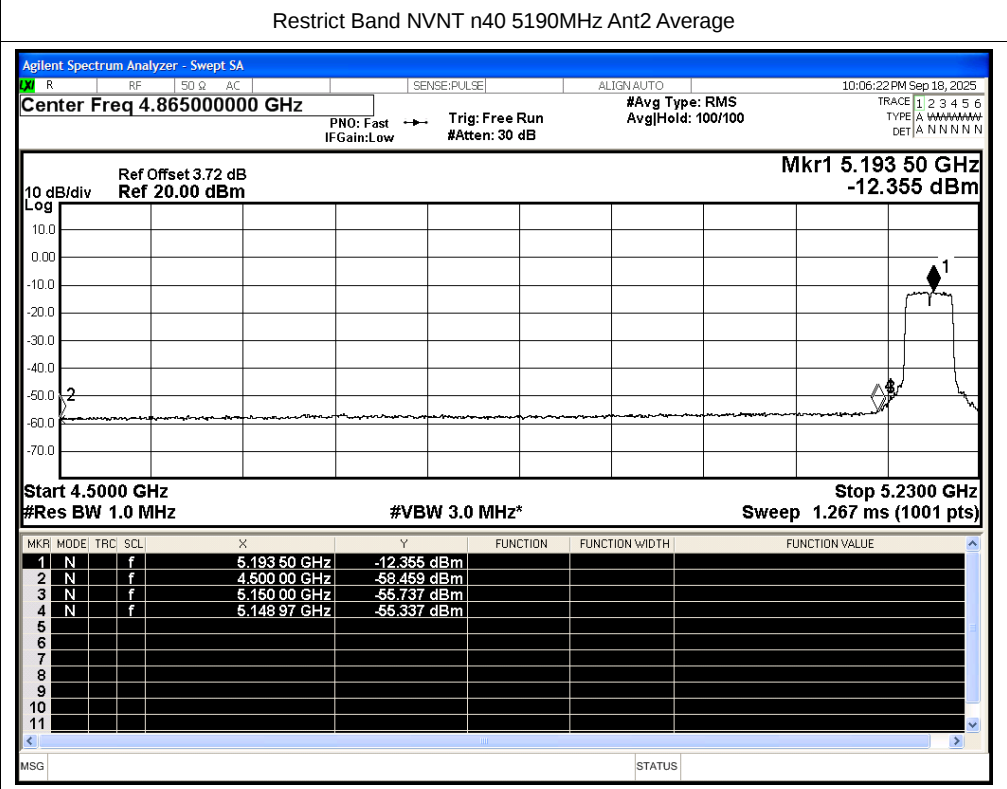
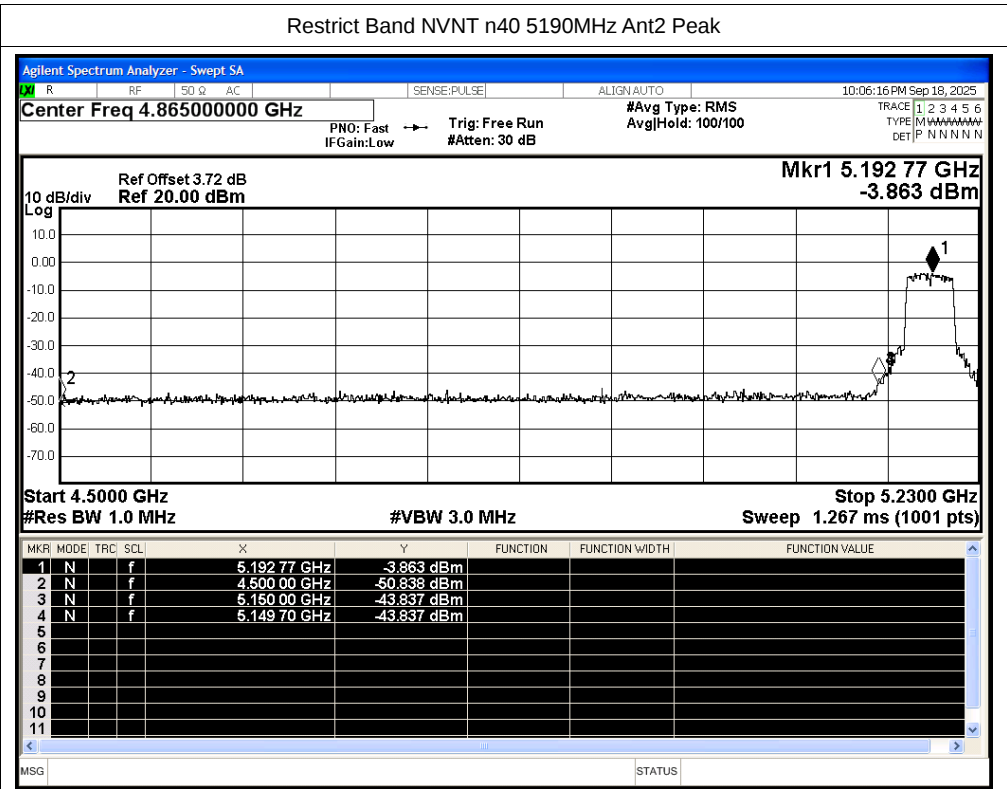
NVNT	ax40	5230	Ant2	5460	-50.32	3.5	-	48.41	Peak	68.2	Pass
NVNT	ax40	5230	Ant2	5460	-58.11	3.5	0.24	40.86	Average	54	Pass

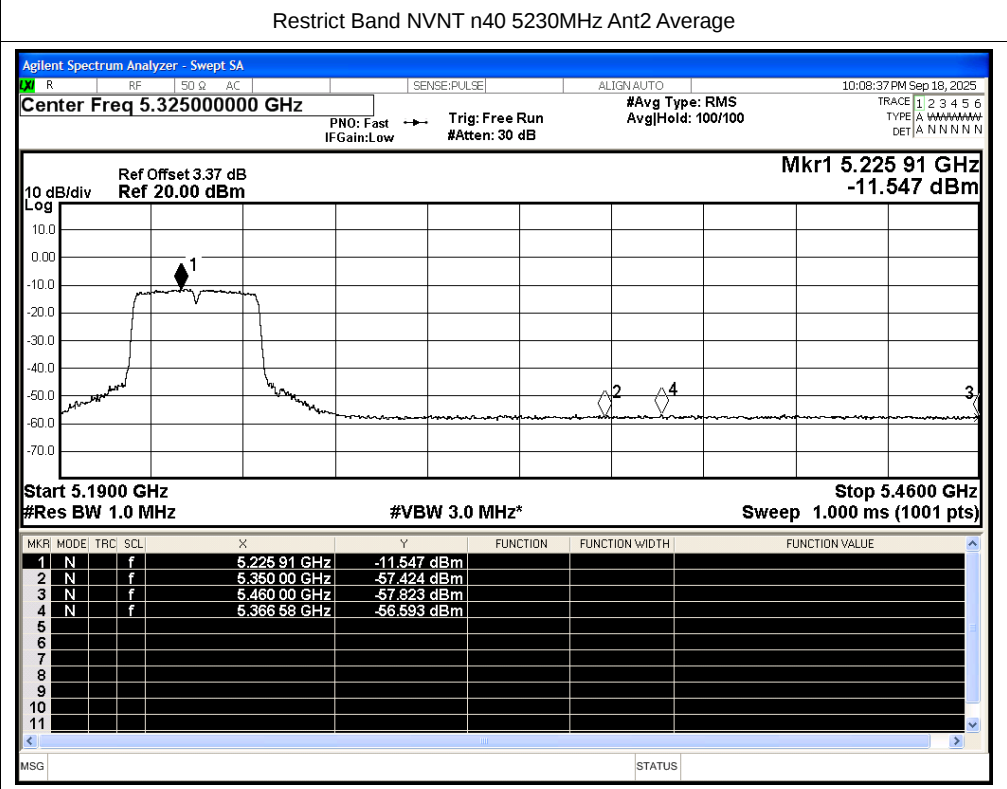
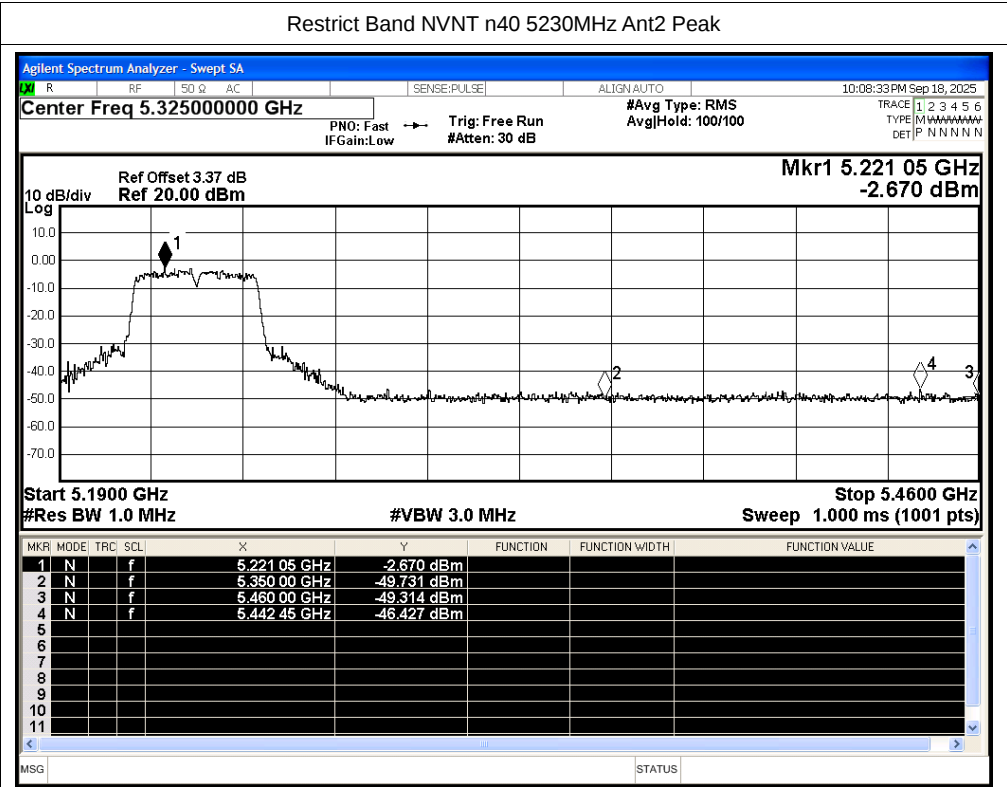


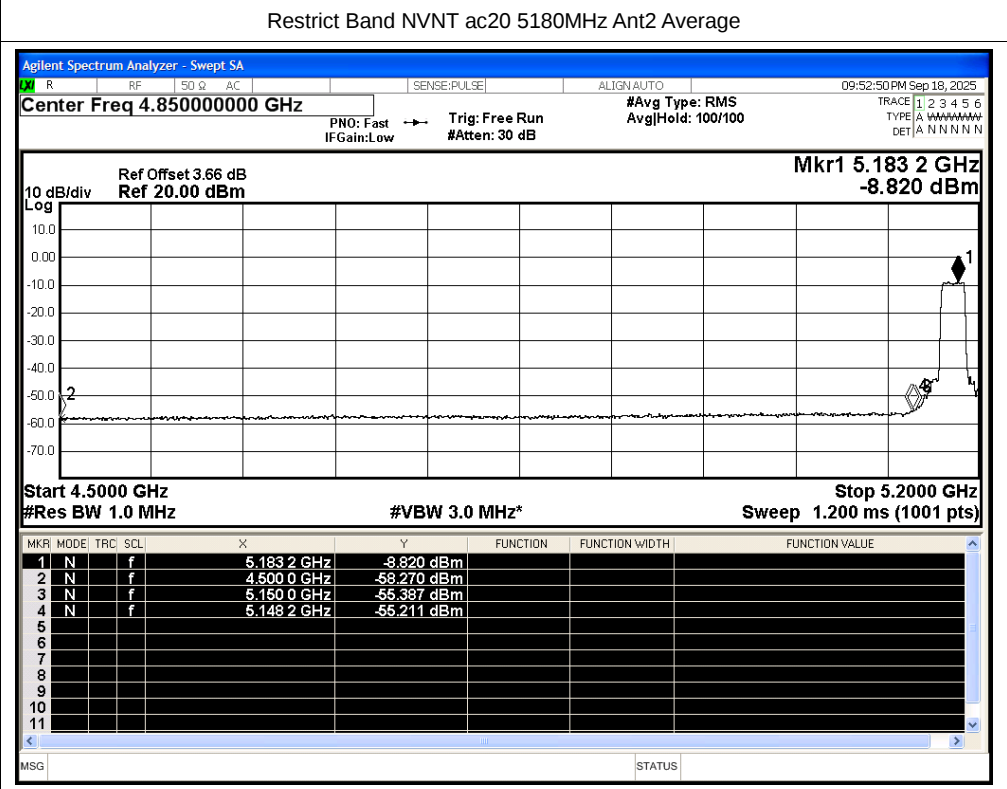
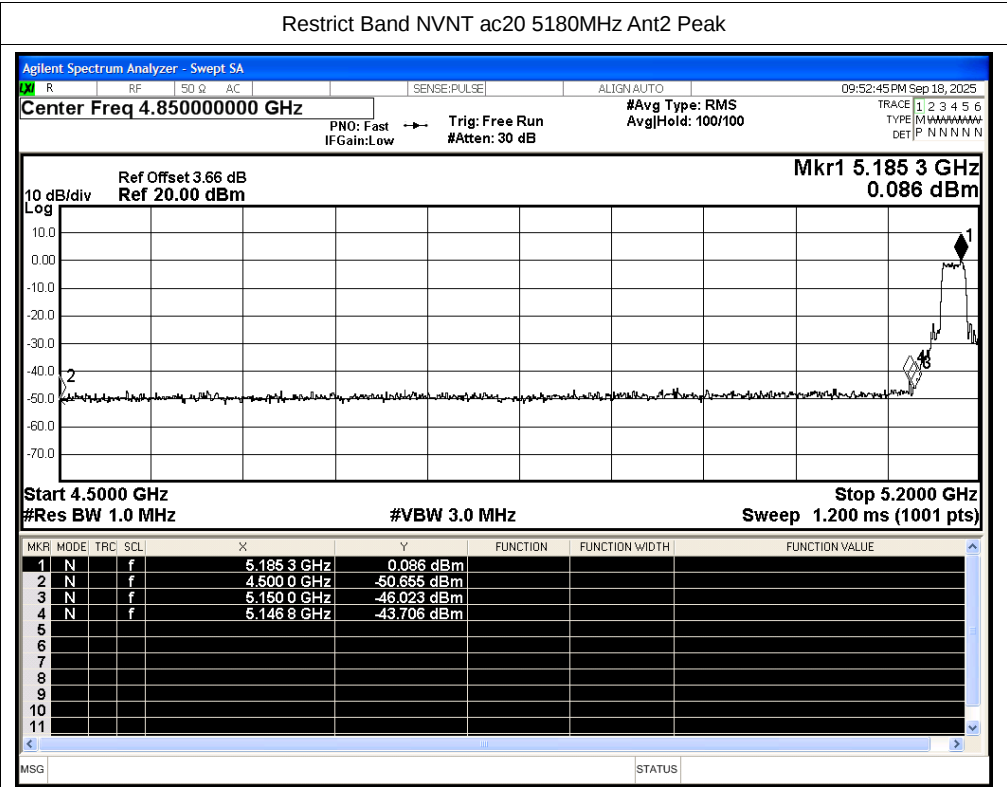


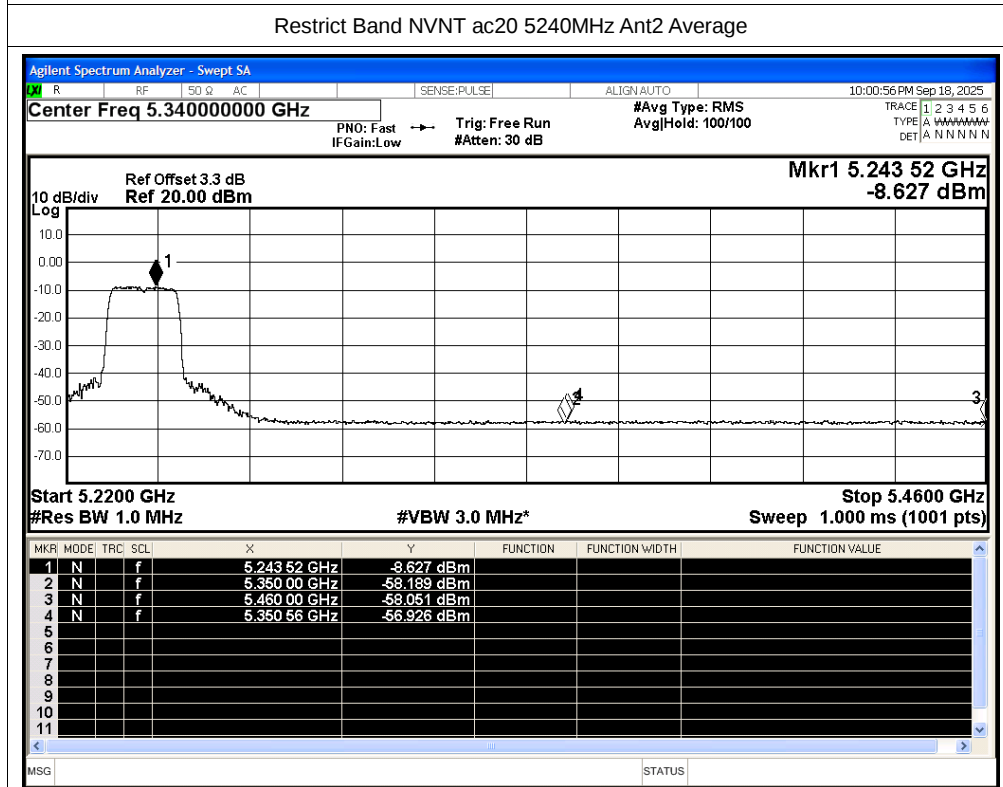


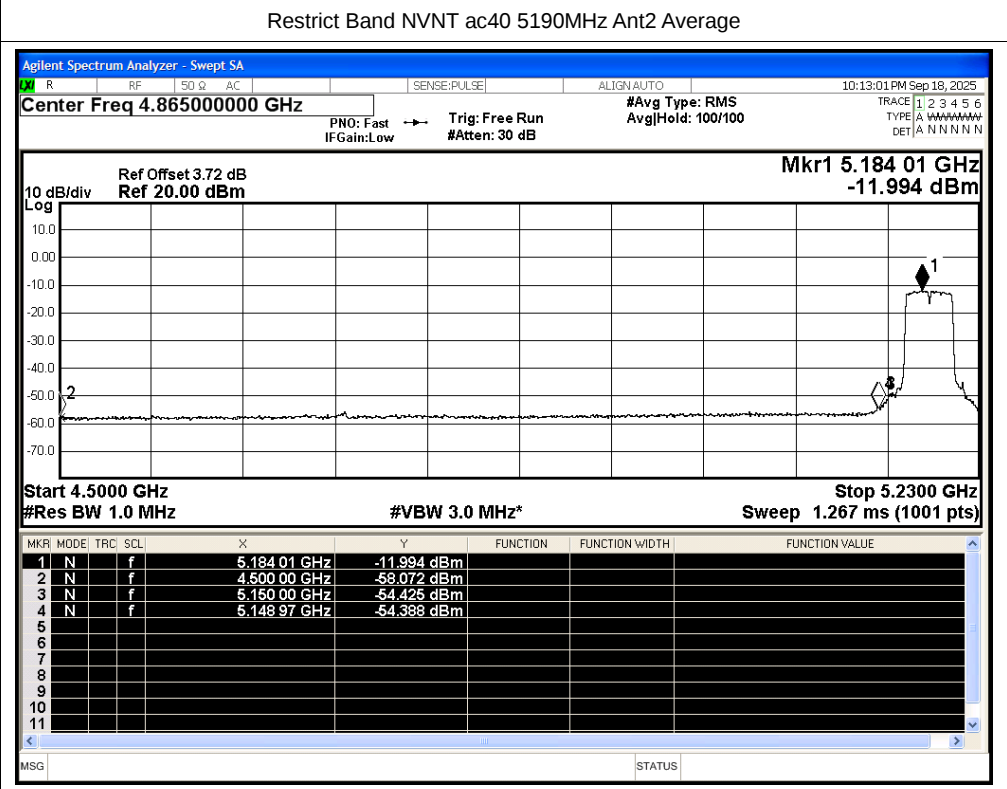
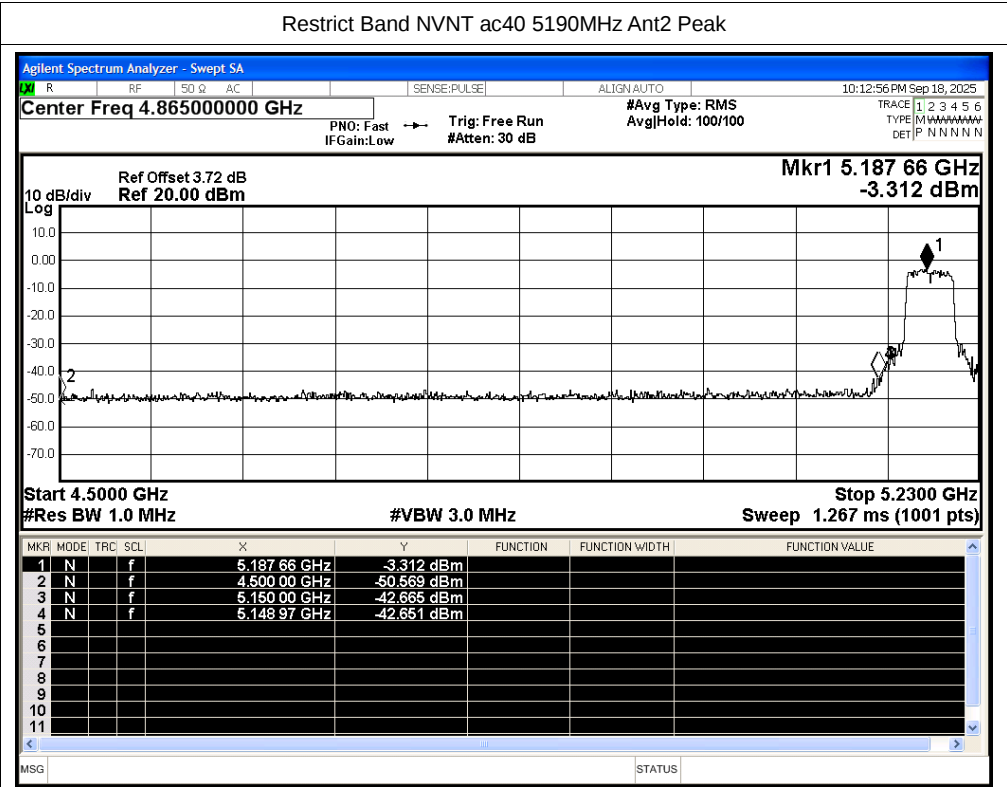


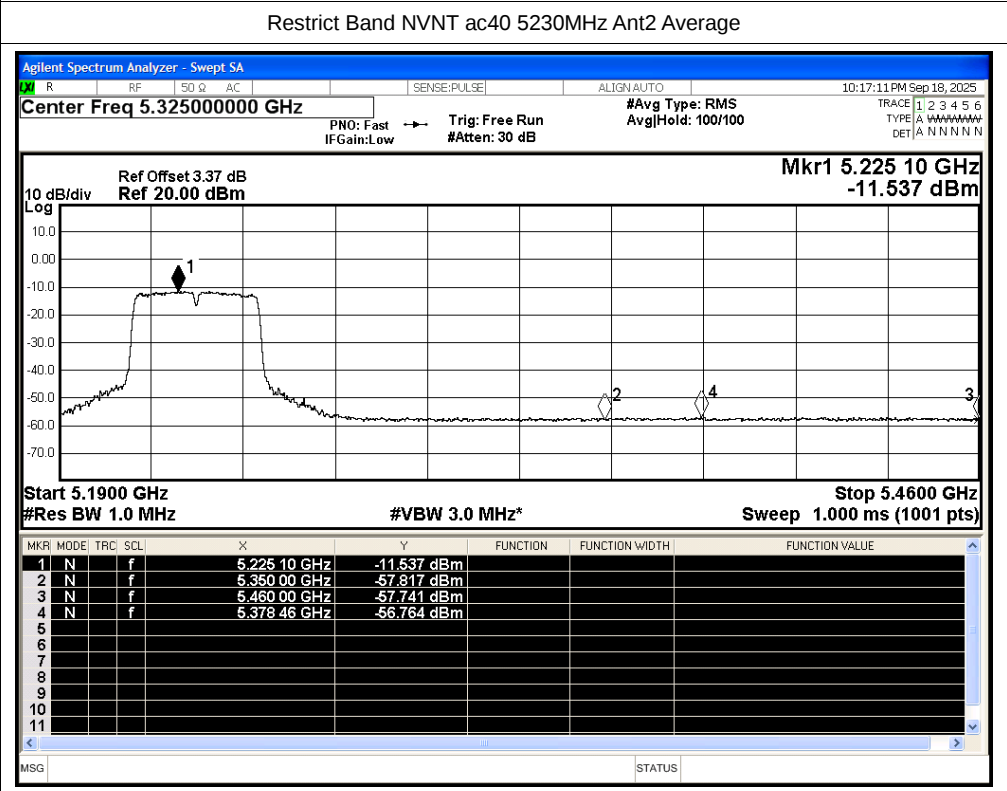
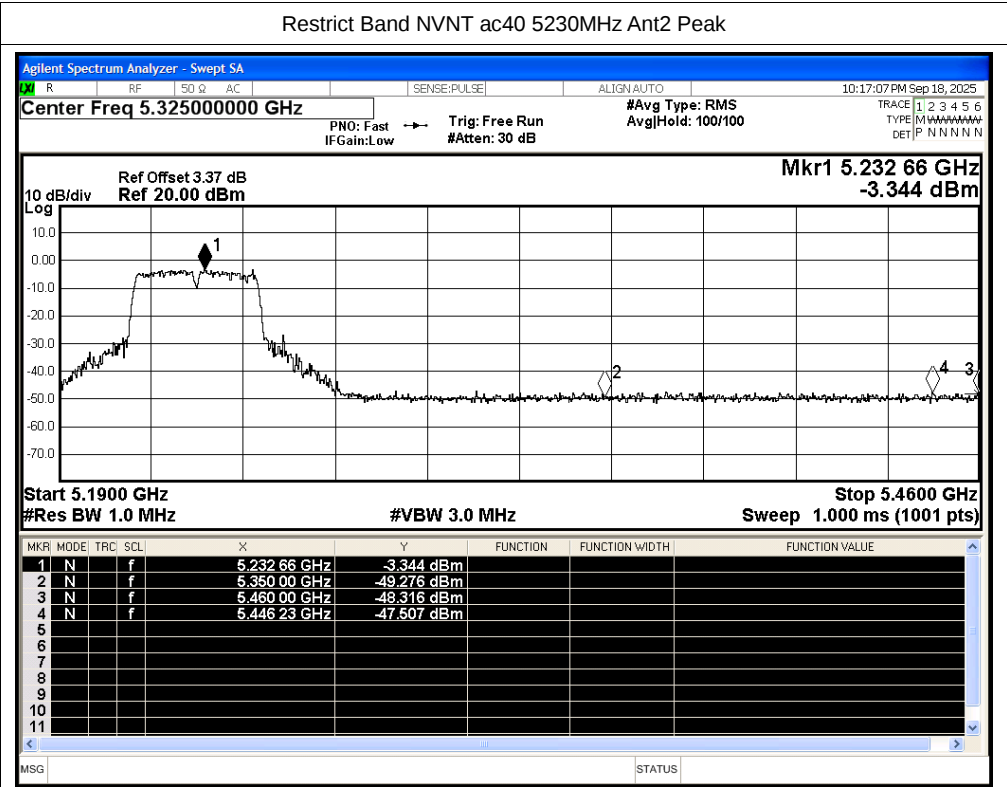


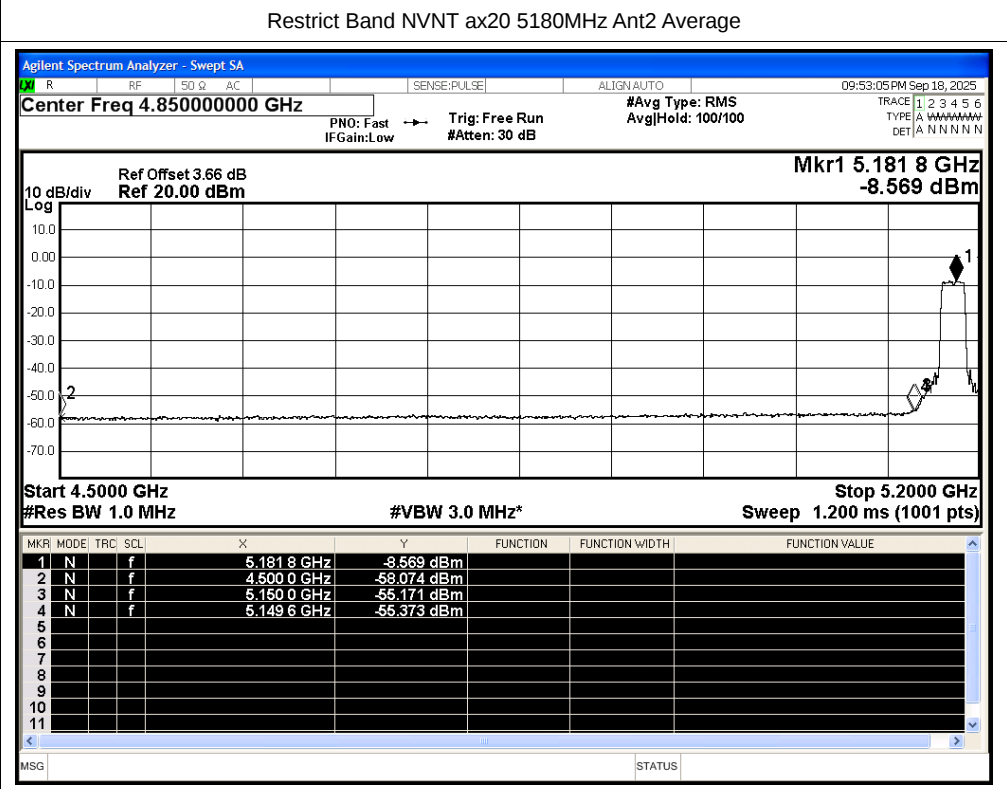
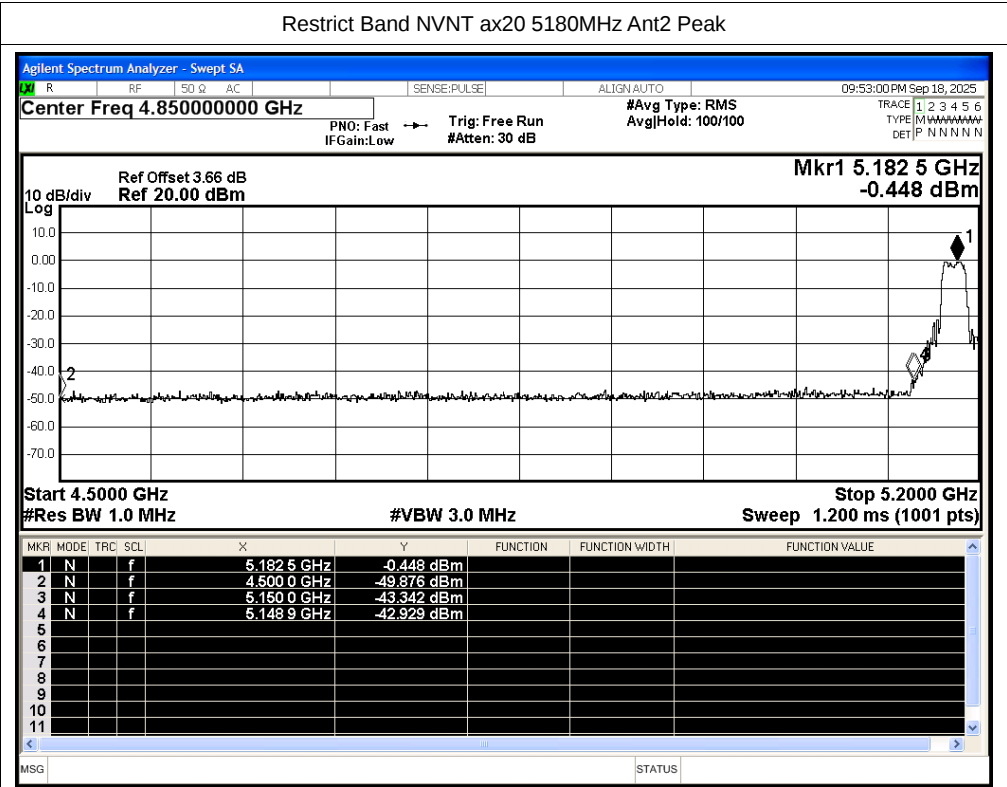


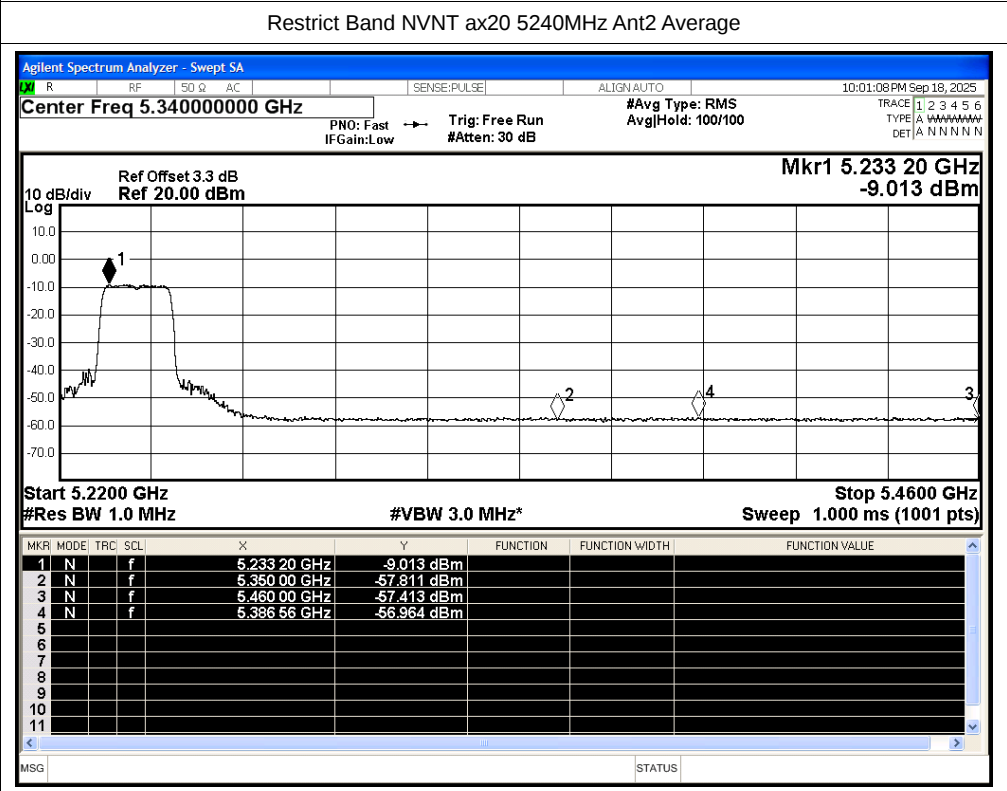
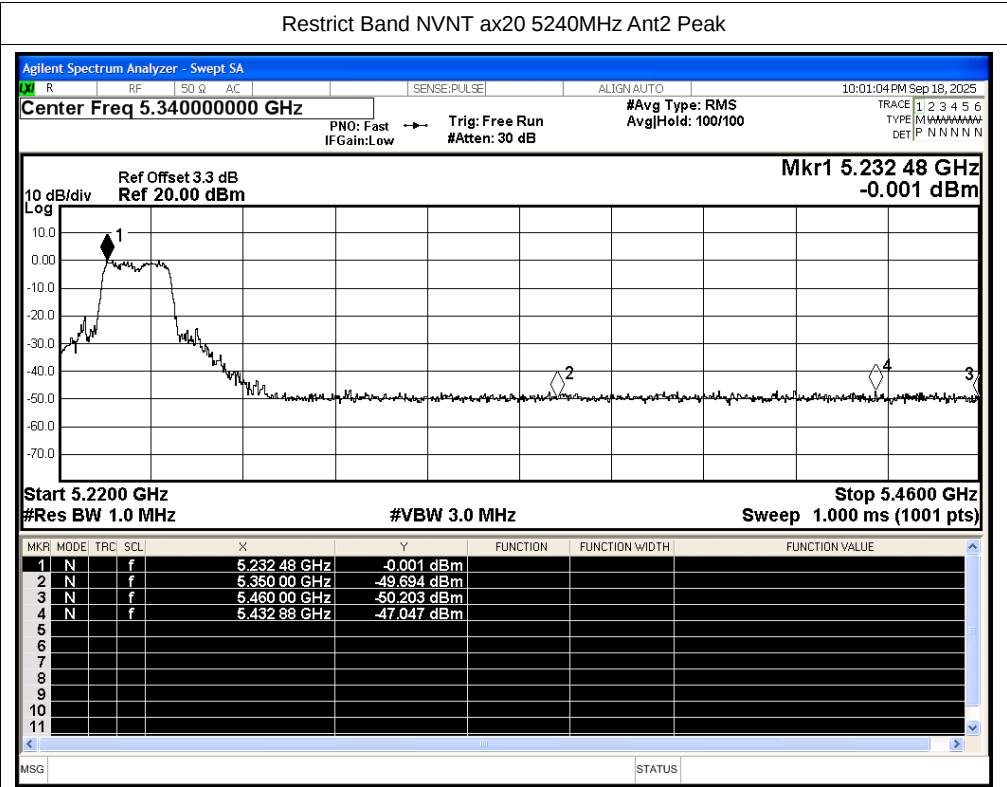


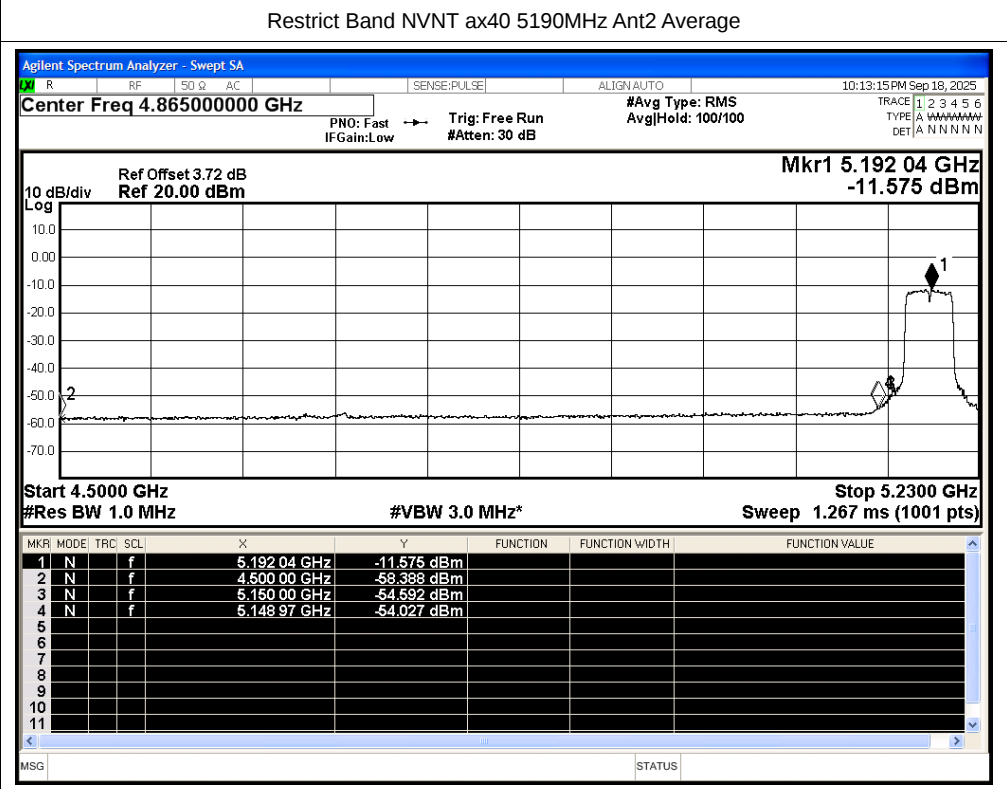
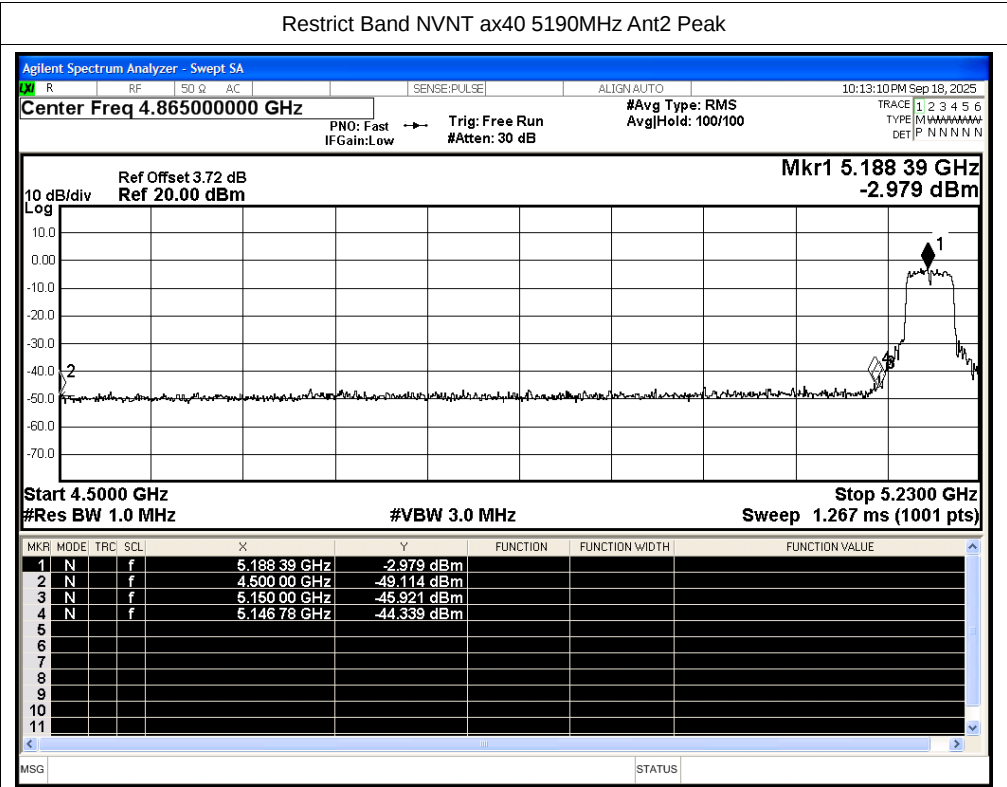


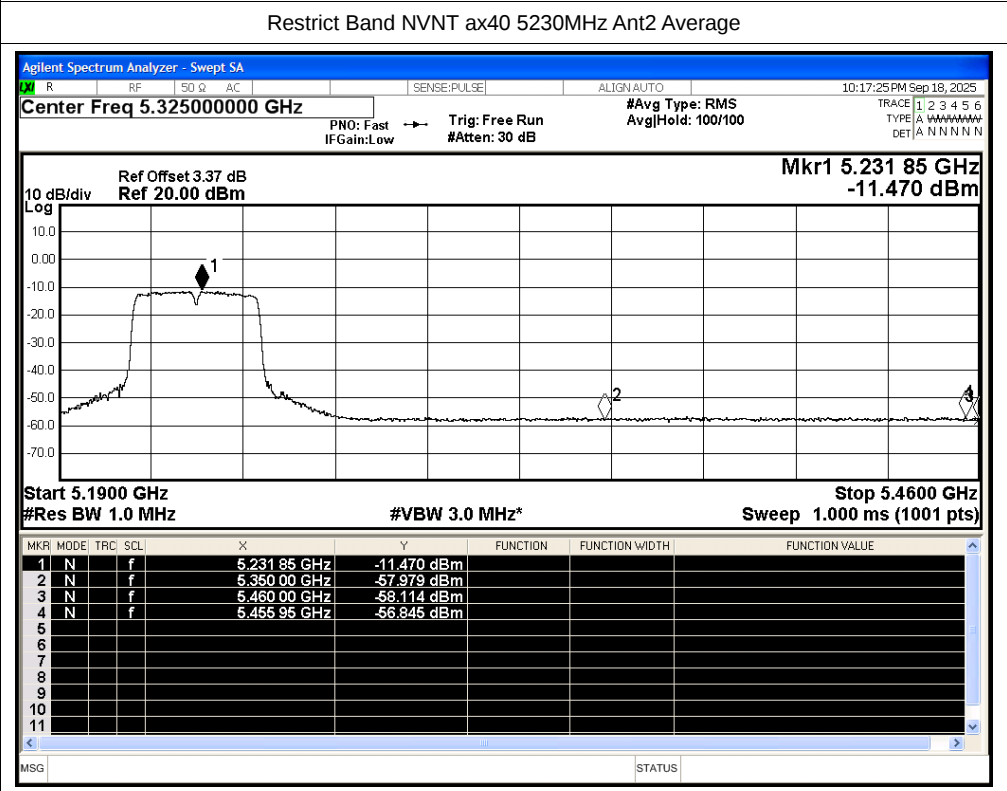
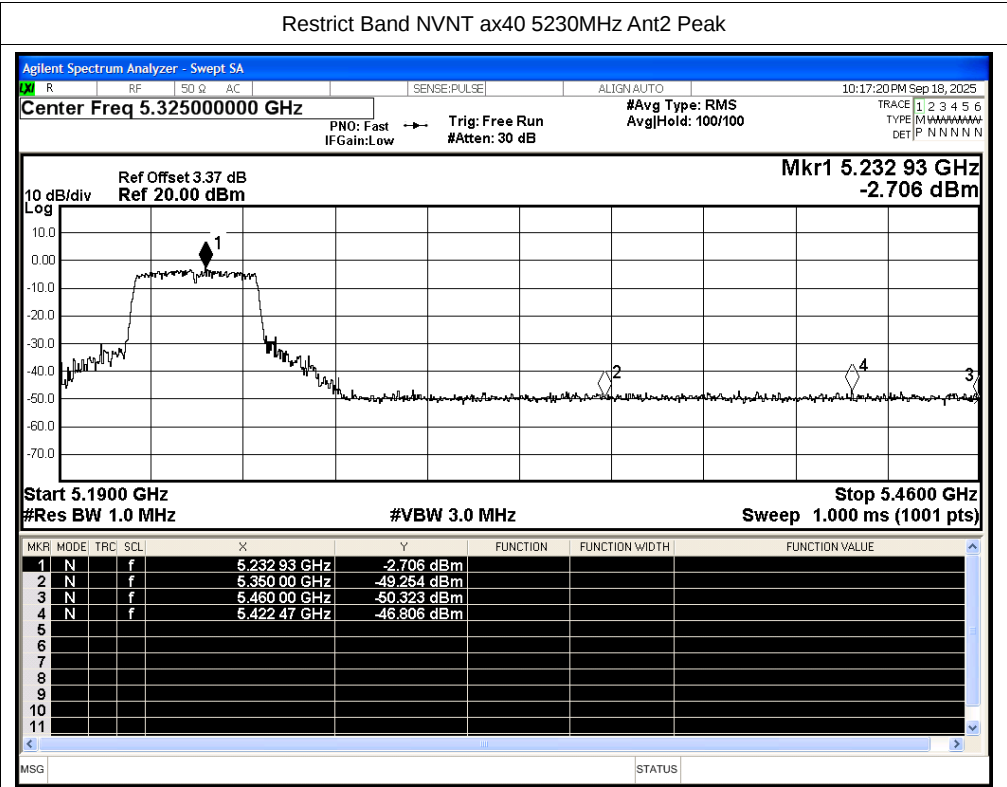






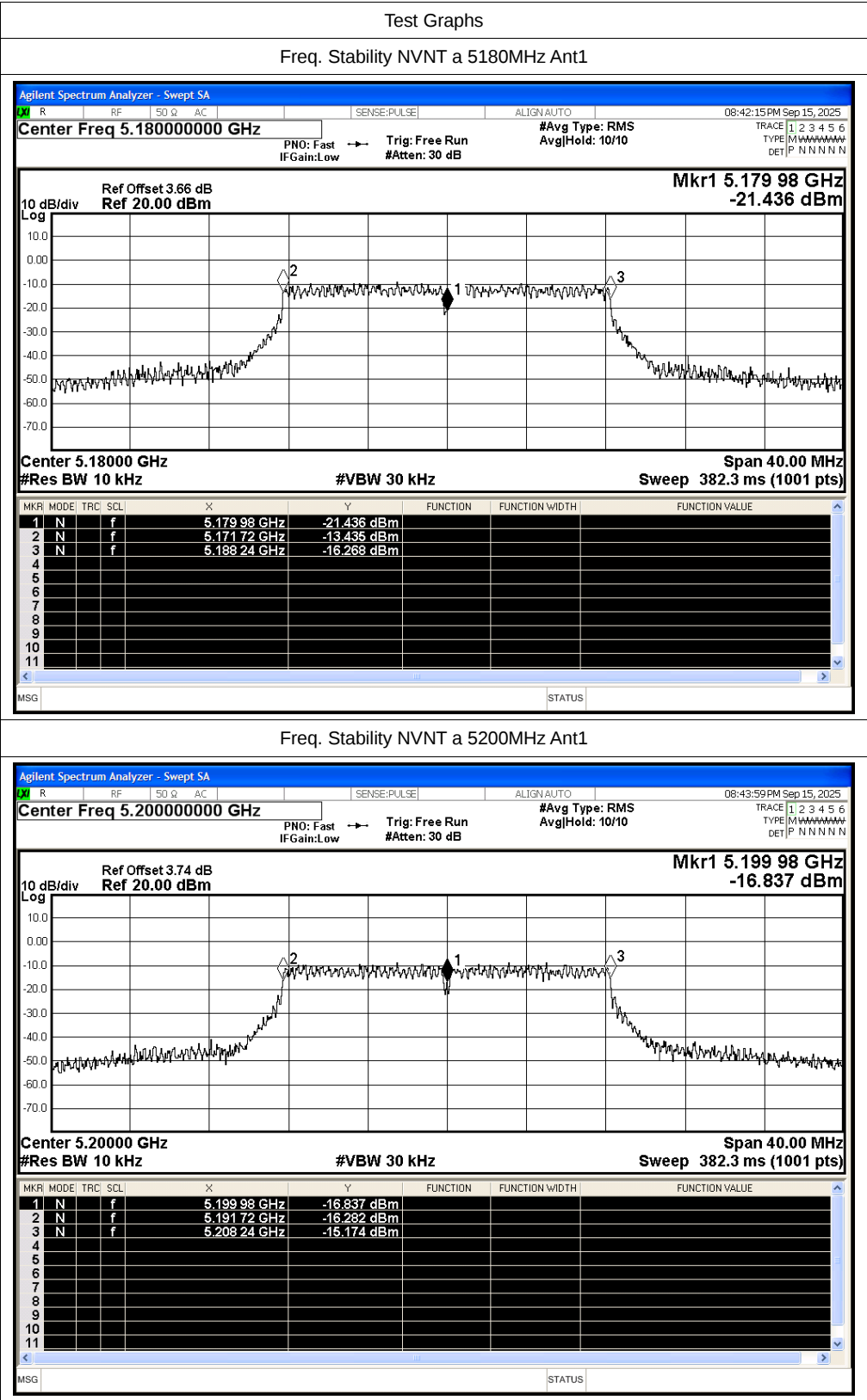


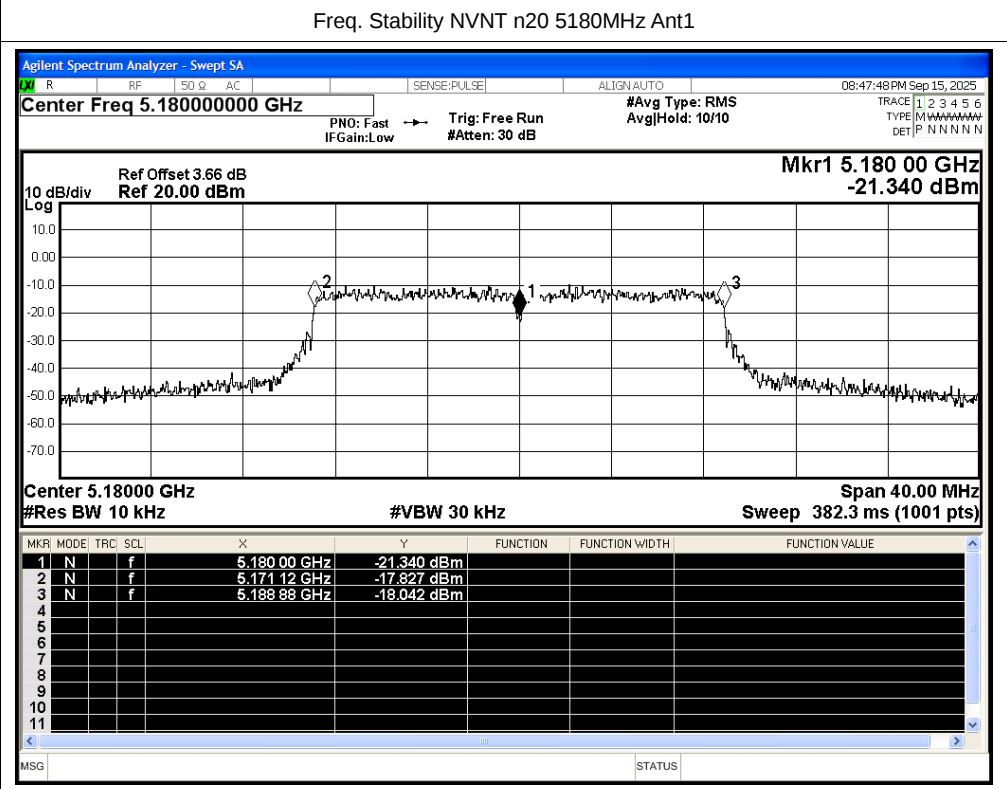
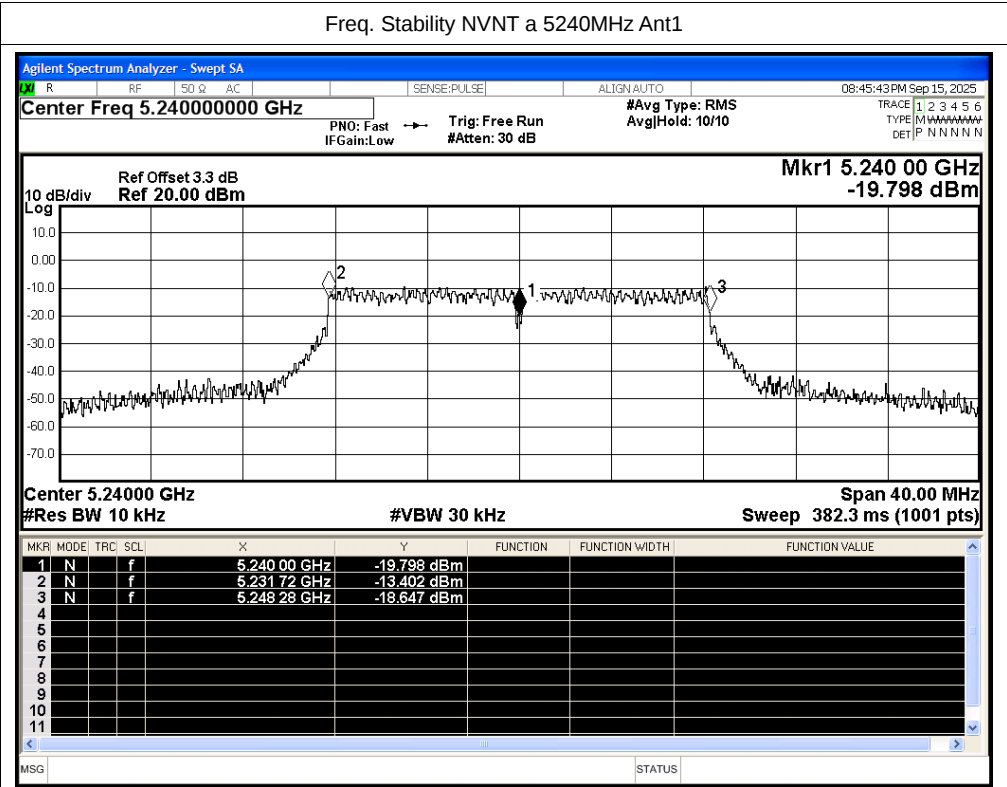


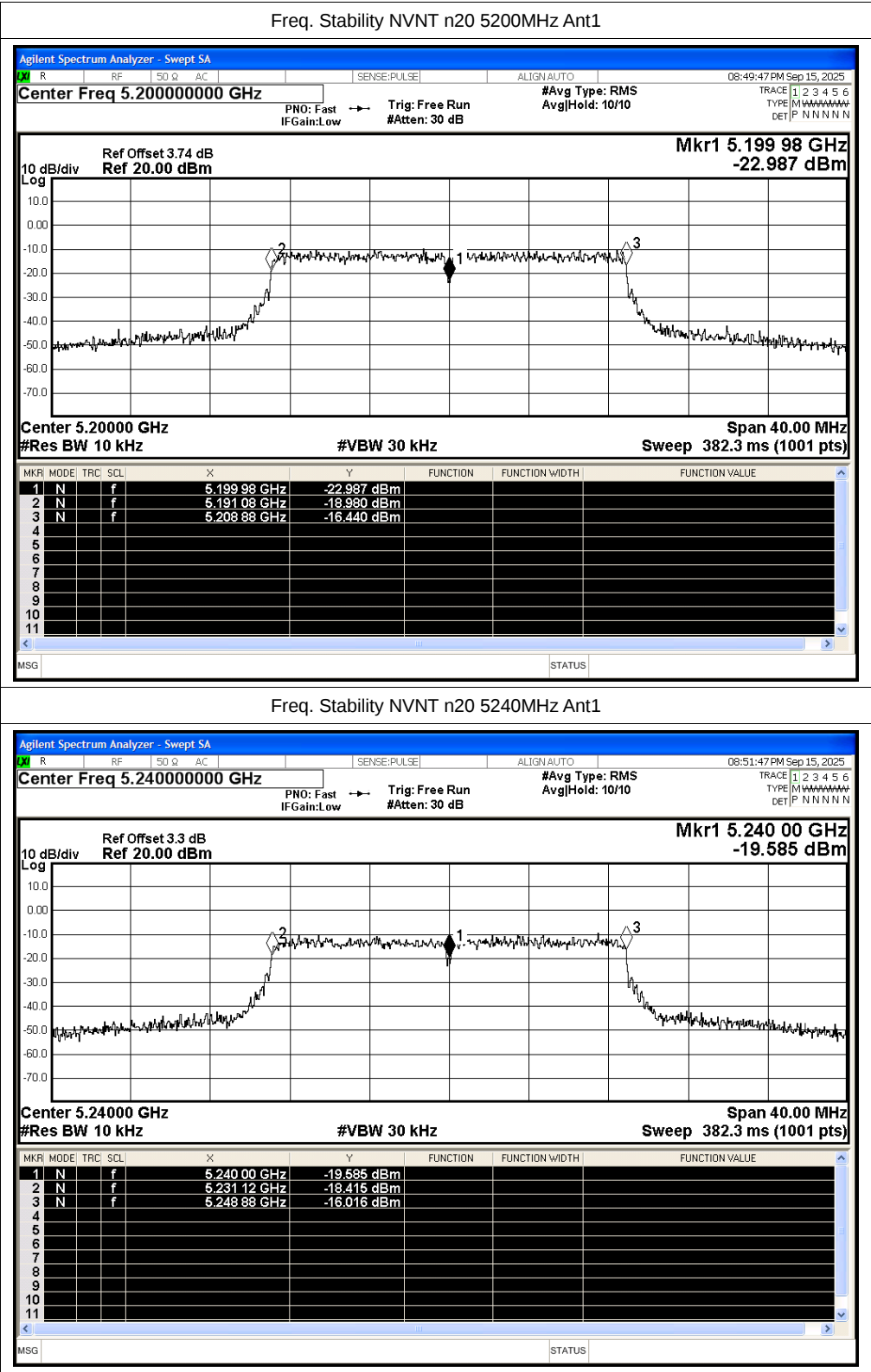


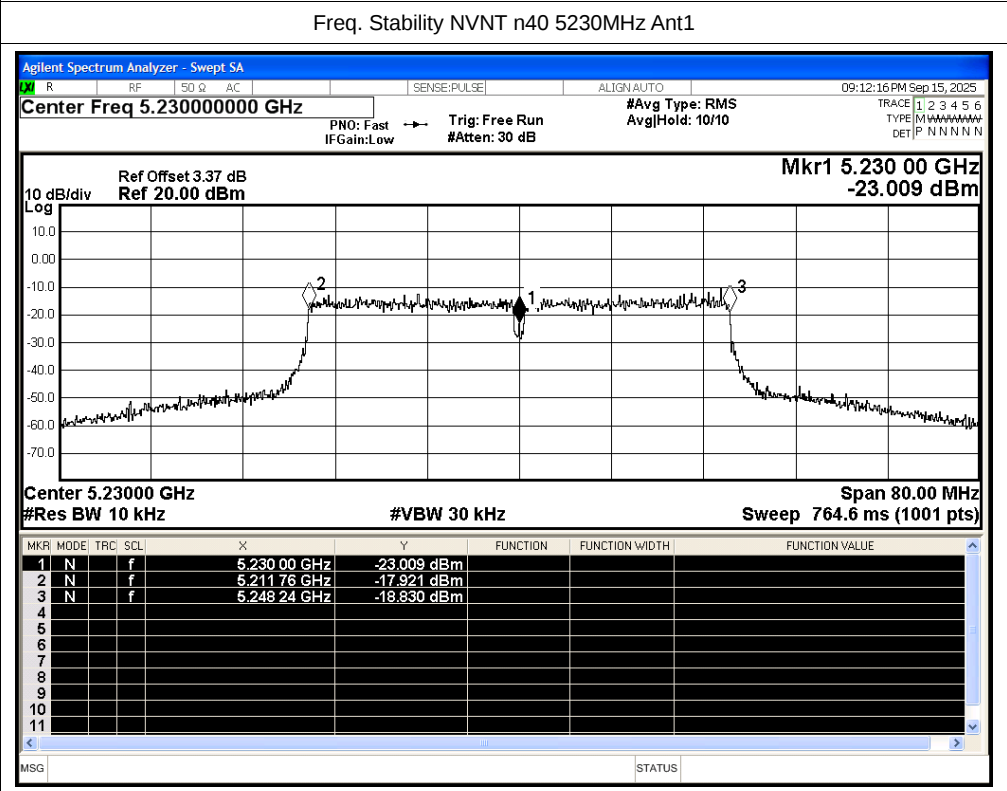
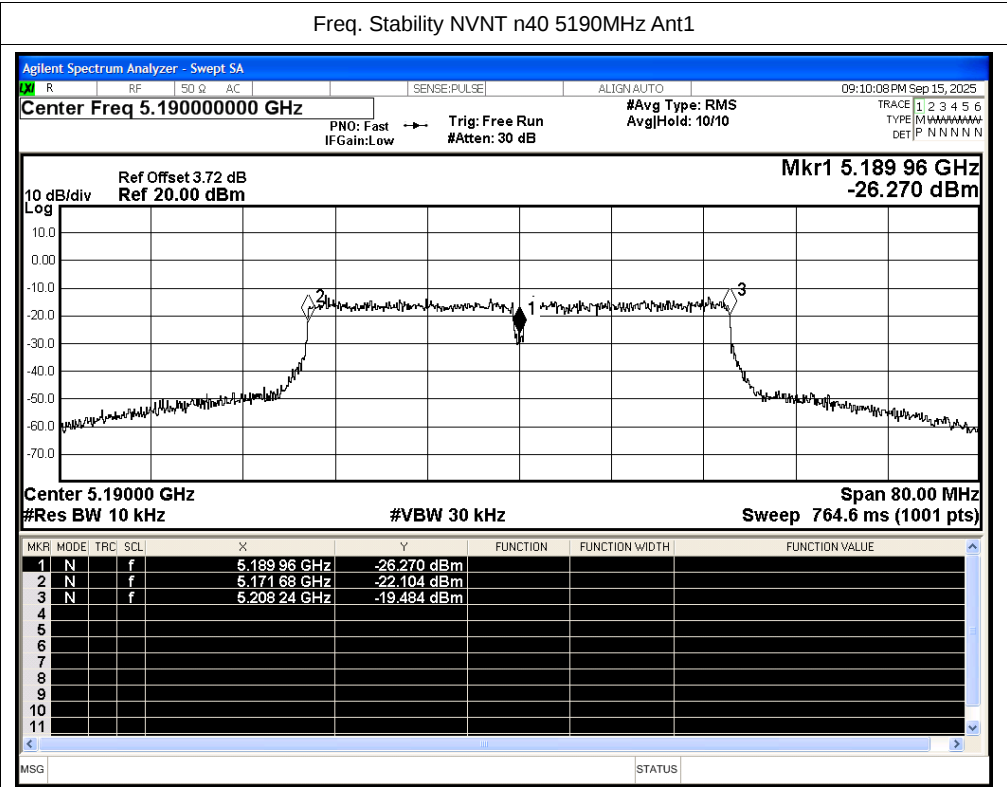
B.5 Frequency Stability

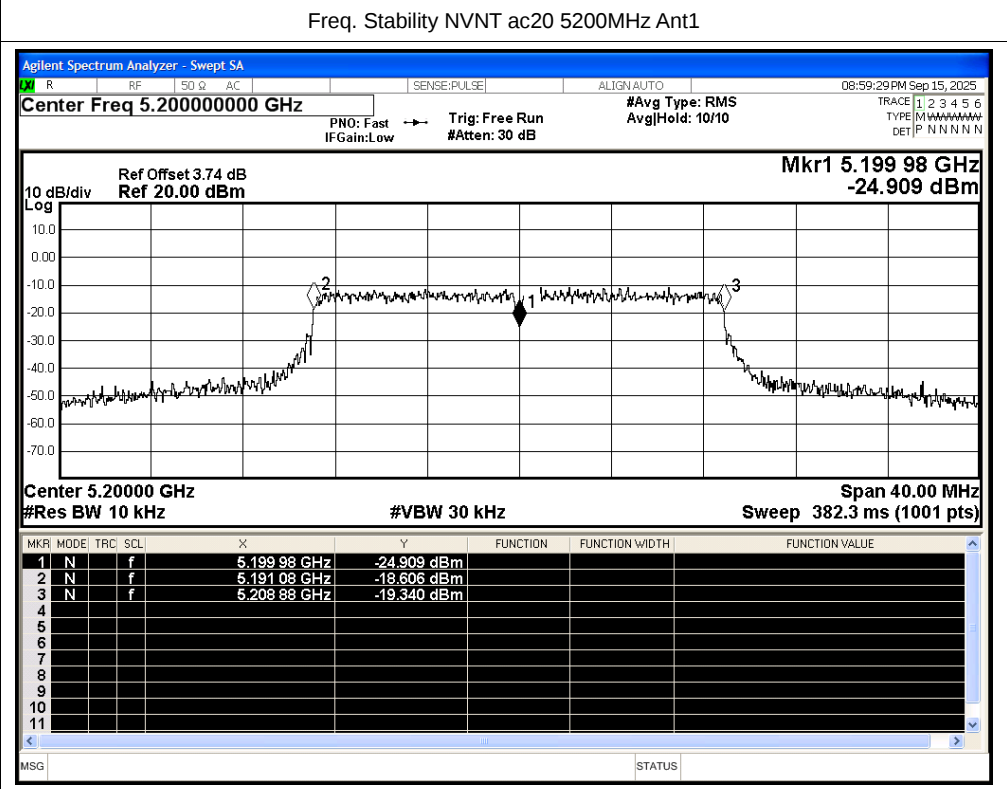
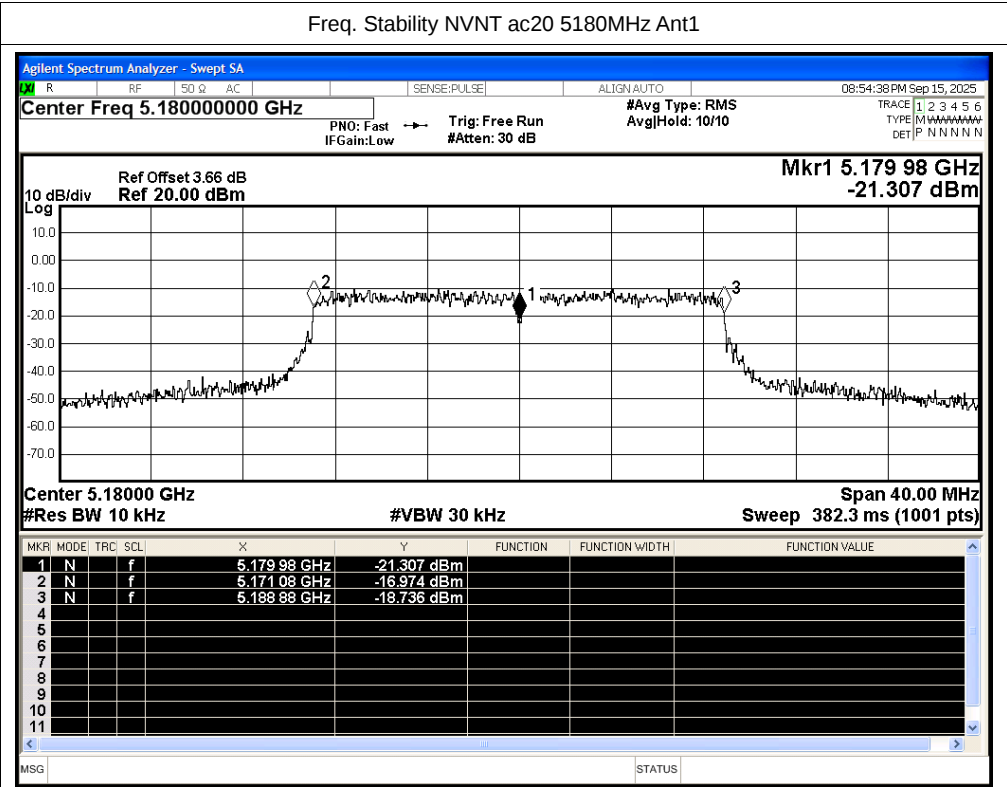
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	a	5240	Ant1	5240	0	0	25	Pass
NVNT	n20	5180	Ant1	5180	0	0	25	Pass
NVNT	n20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant1	5240	0	0	25	Pass
NVNT	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	ax20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
NVNT	ax20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	ax20	5240	Ant1	5240	0	0	25	Pass
NVNT	ax40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	ax40	5230	Ant1	5230	0	0	25	Pass

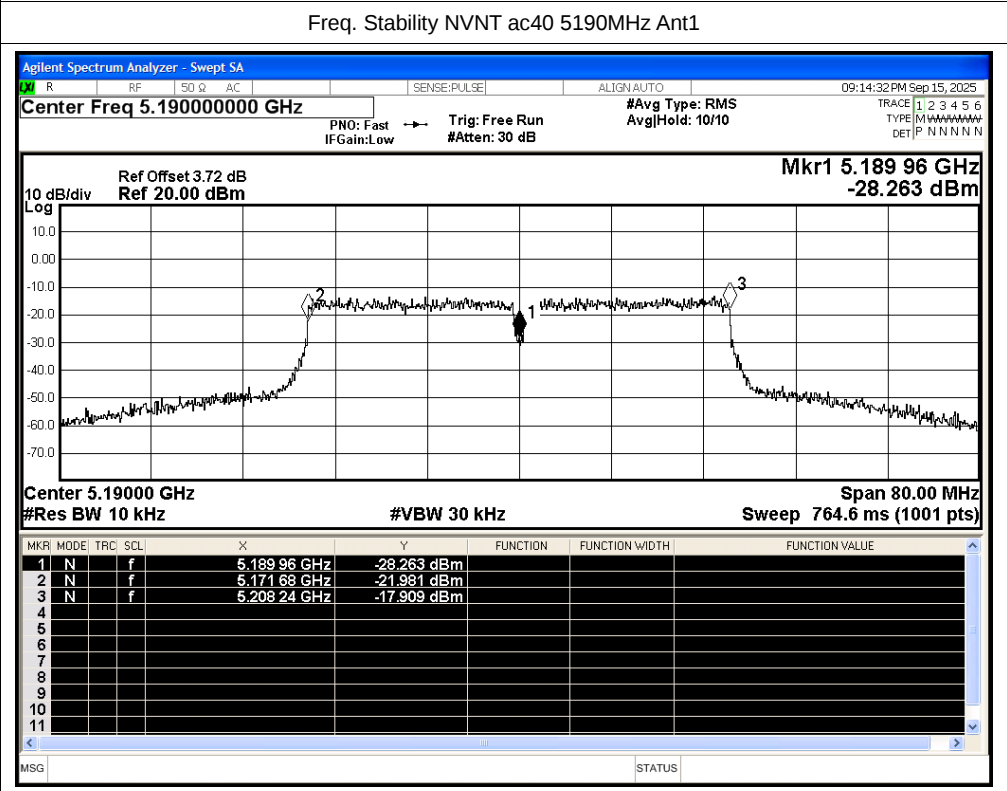
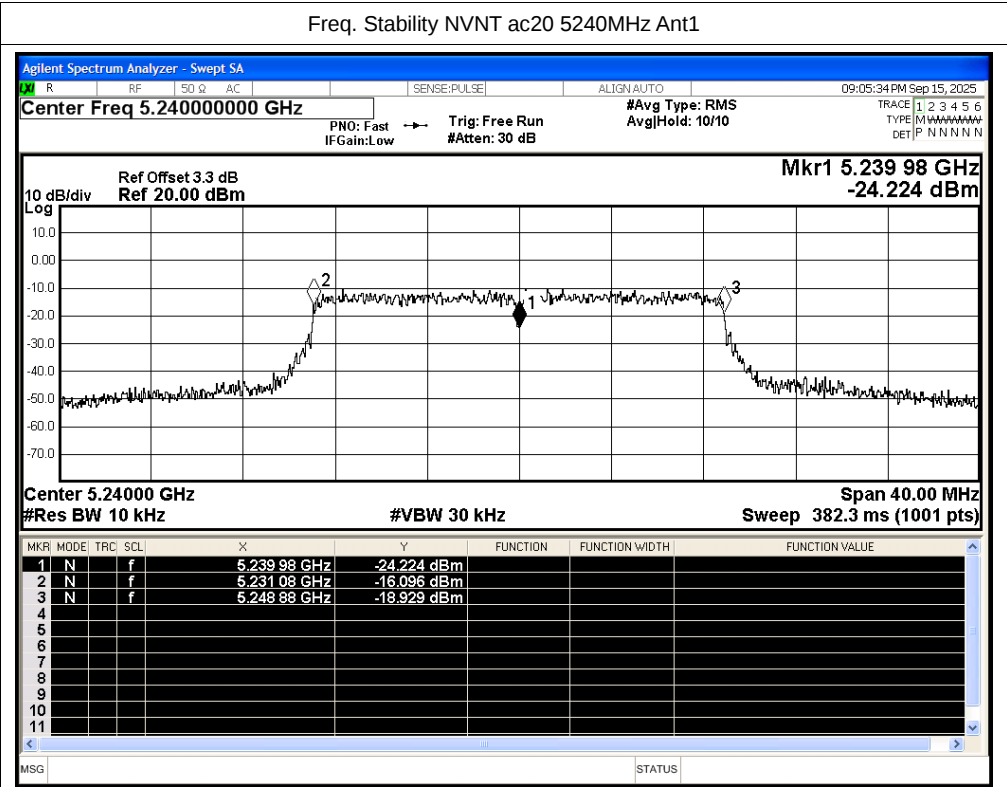


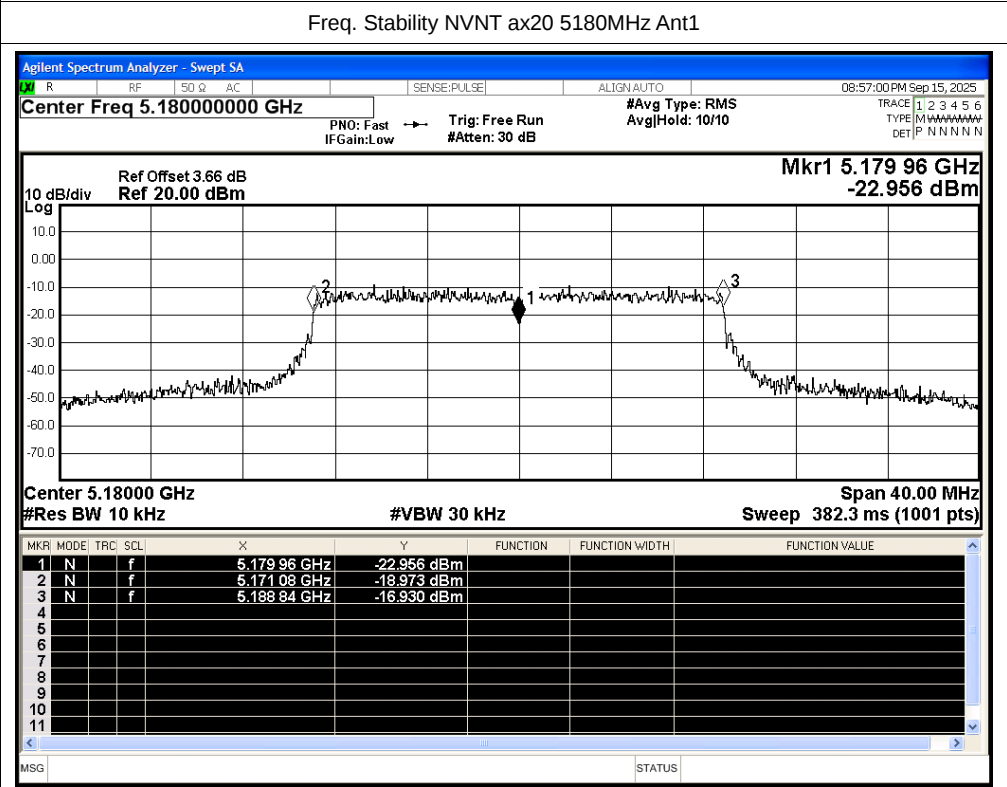
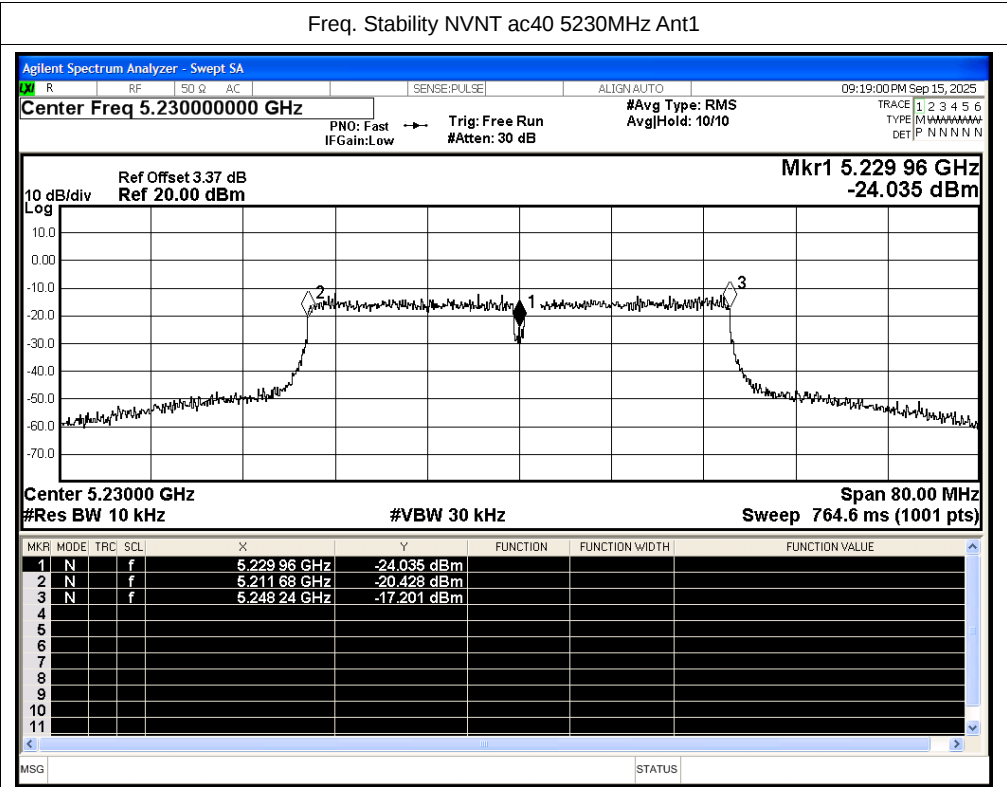




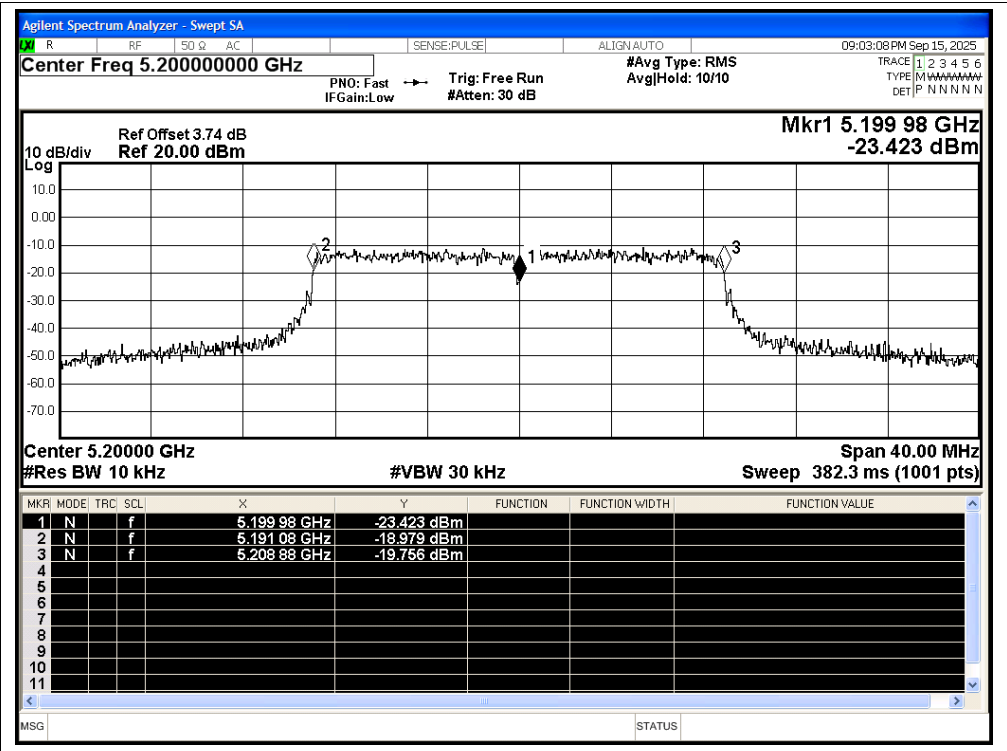


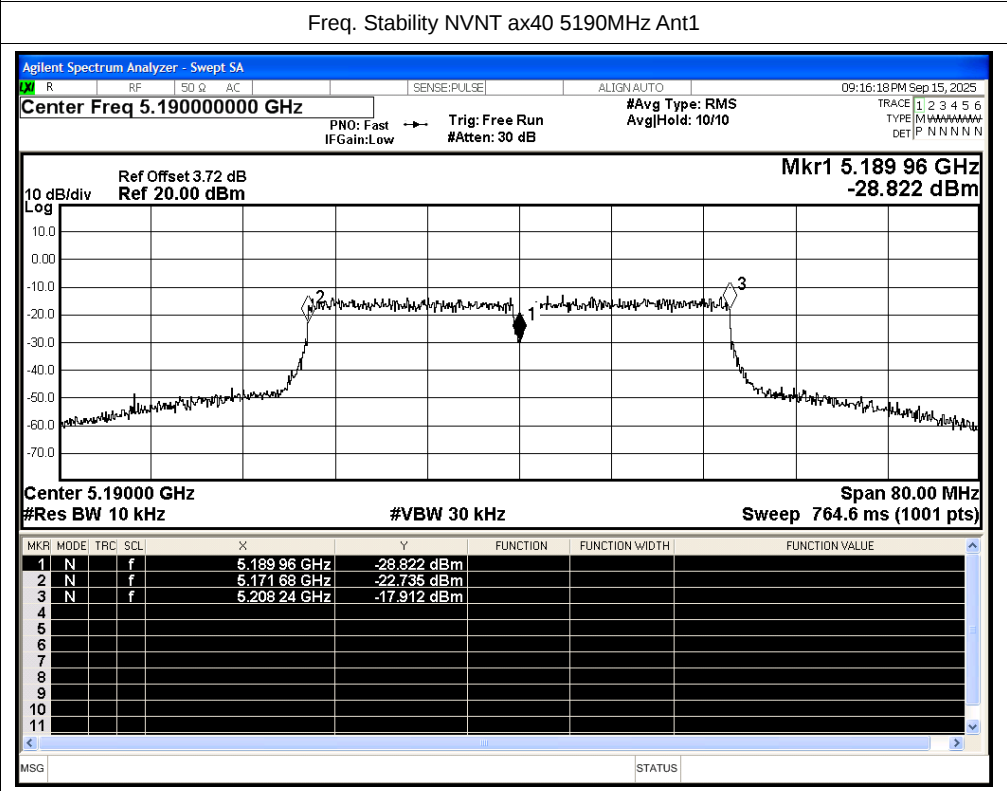
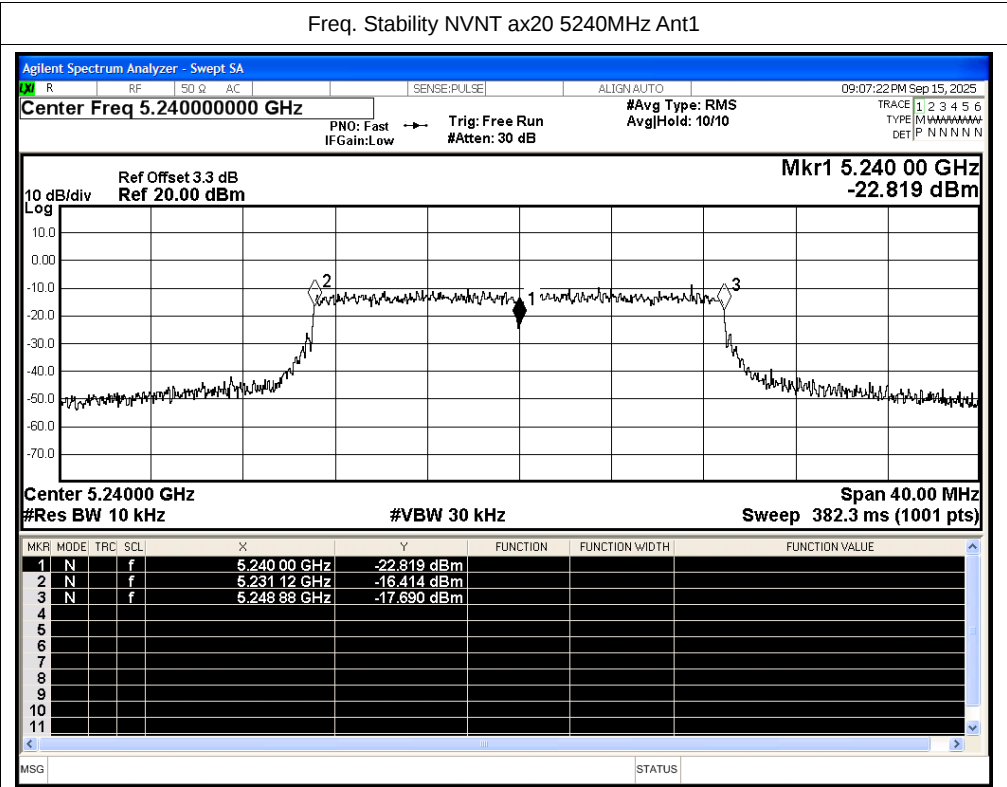






Freq. Stability NVNT ax20 5200MHz Ant1





Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	a	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	n20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	n20	5200	Ant2	5199.96	-40000	-7.69	25	Pass
NVNT	n20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	n40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant2	5230	0	0	25	Pass
NVNT	ac20	5180	Ant2	5180.02	20000	3.86	25	Pass
NVNT	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant2	5229.96	-40000	-7.65	25	Pass
NVNT	ax20	5180	Ant2	5180	0	0	25	Pass
NVNT	ax20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	ax20	5240	Ant2	5240	0	0	25	Pass
NVNT	ax40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	ax40	5230	Ant2	5230	0	0	25	Pass

