



Appendix C

RF Test Data for 5.2GWIFI(Conducted Measurement)

Product Name: Projector

Test Model: Q5 Max

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Nick Peng



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C.1 -26dB Bandwidth

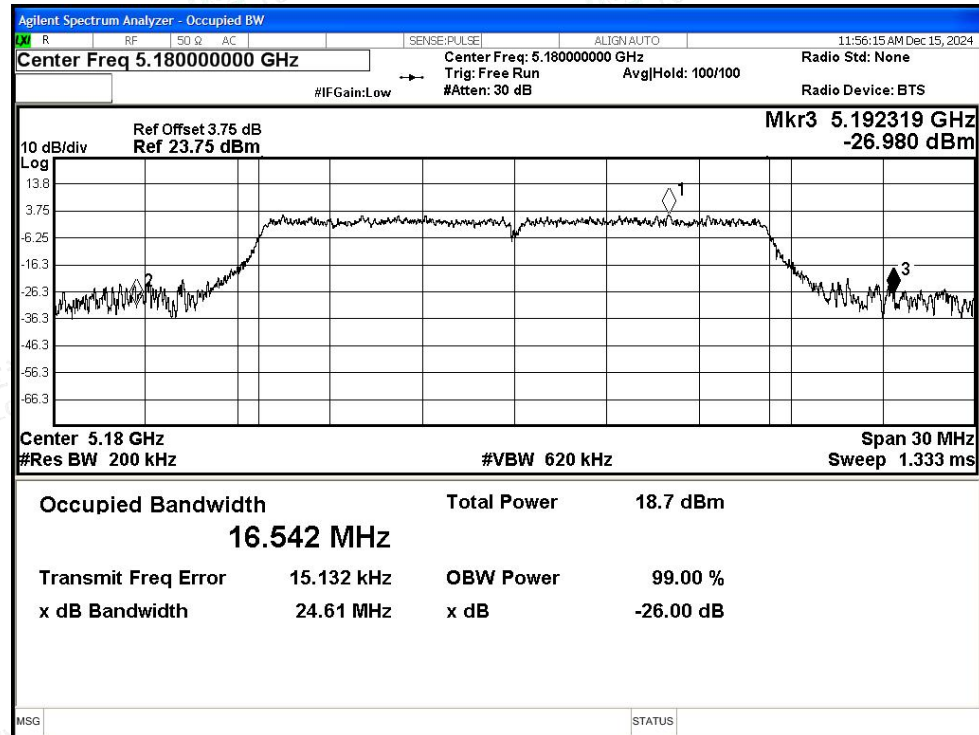
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	24.607	≥ 0.5	Pass
NVNT	a	5200	Ant1	23.496	≥ 0.5	Pass
NVNT	a	5240	Ant1	22.056	≥ 0.5	Pass
NVNT	n20	5180	Ant1	23.786	≥ 0.5	Pass
NVNT	n20	5200	Ant1	25.688	≥ 0.5	Pass
NVNT	n20	5240	Ant1	25.42	≥ 0.5	Pass
NVNT	ac20	5180	Ant1	26.289	≥ 0.5	Pass
NVNT	ac20	5200	Ant1	25.117	≥ 0.5	Pass
NVNT	ac20	5240	Ant1	27.723	≥ 0.5	Pass
NVNT	ax20	5180	Ant1	27.397	≥ 0.5	Pass
NVNT	ax20	5200	Ant1	27.589	≥ 0.5	Pass
NVNT	ax20	5240	Ant1	27.098	≥ 0.5	Pass



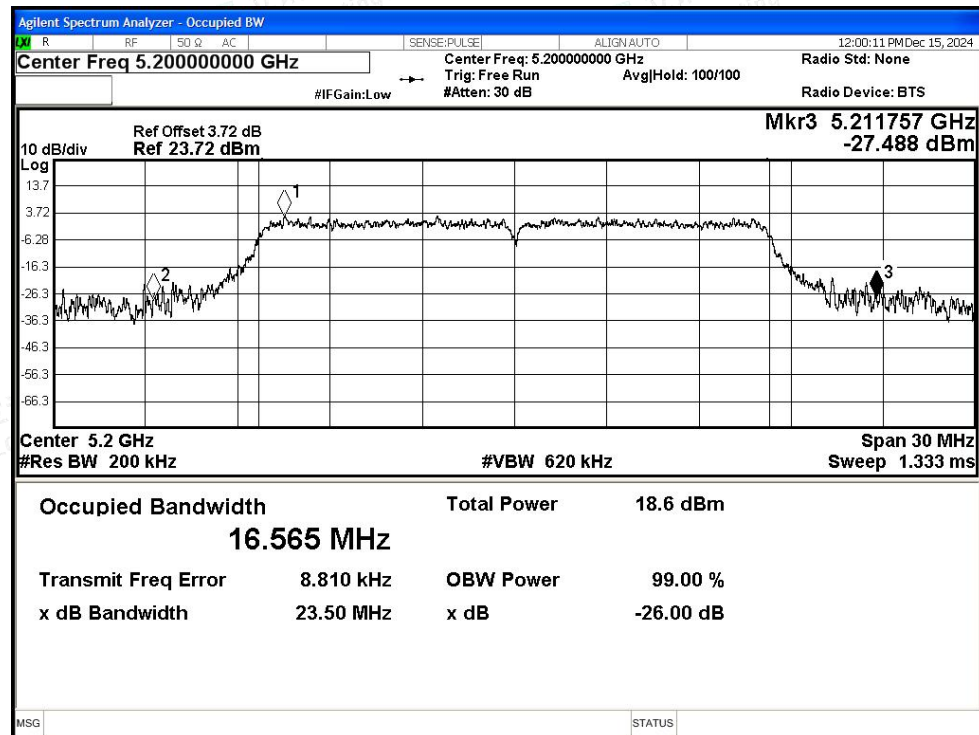


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



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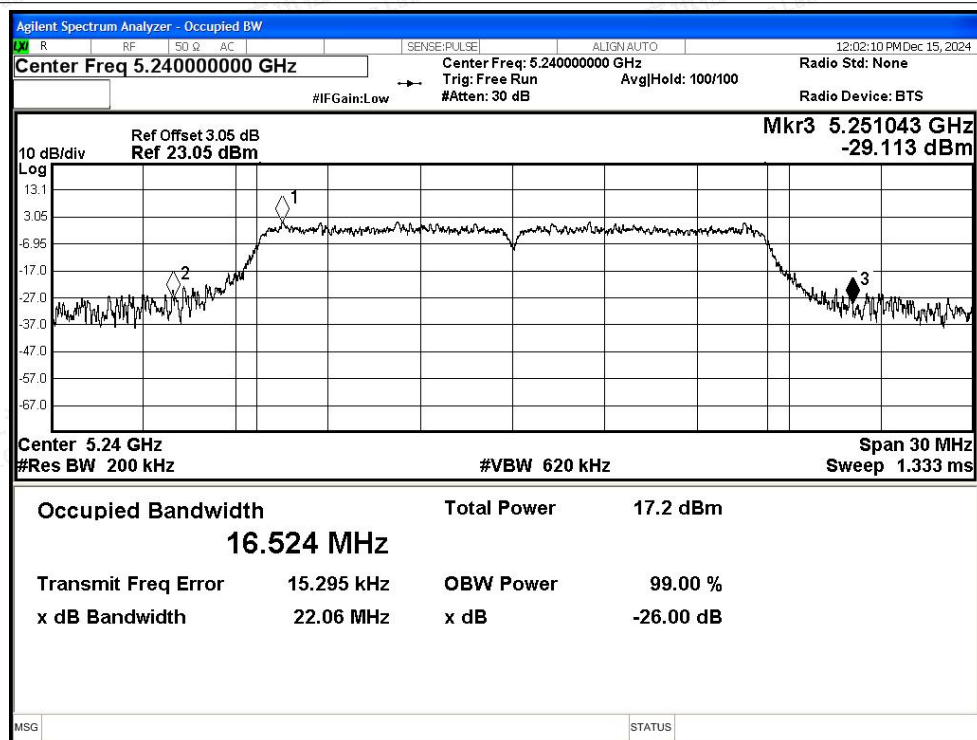
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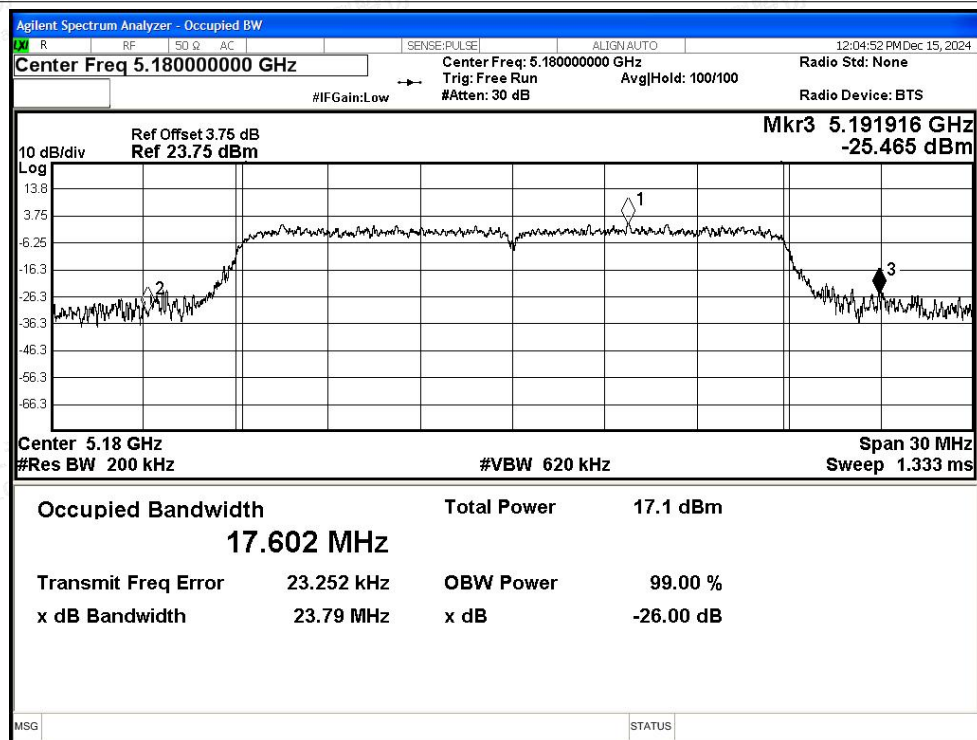
Scan code to check authenticity

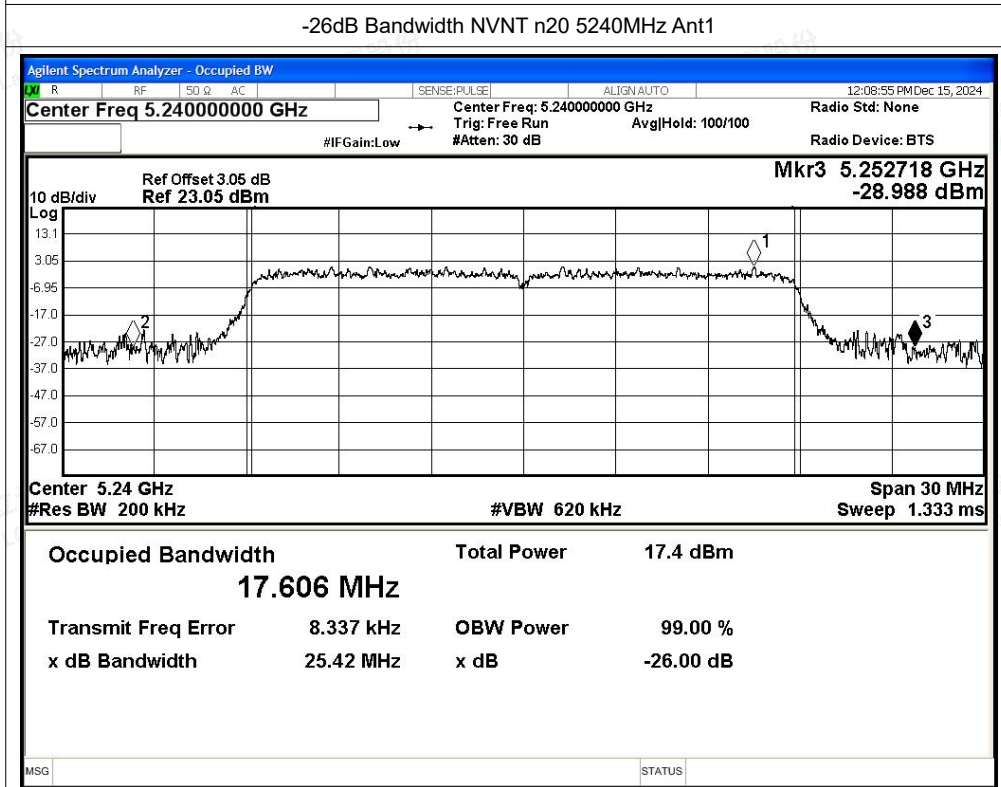
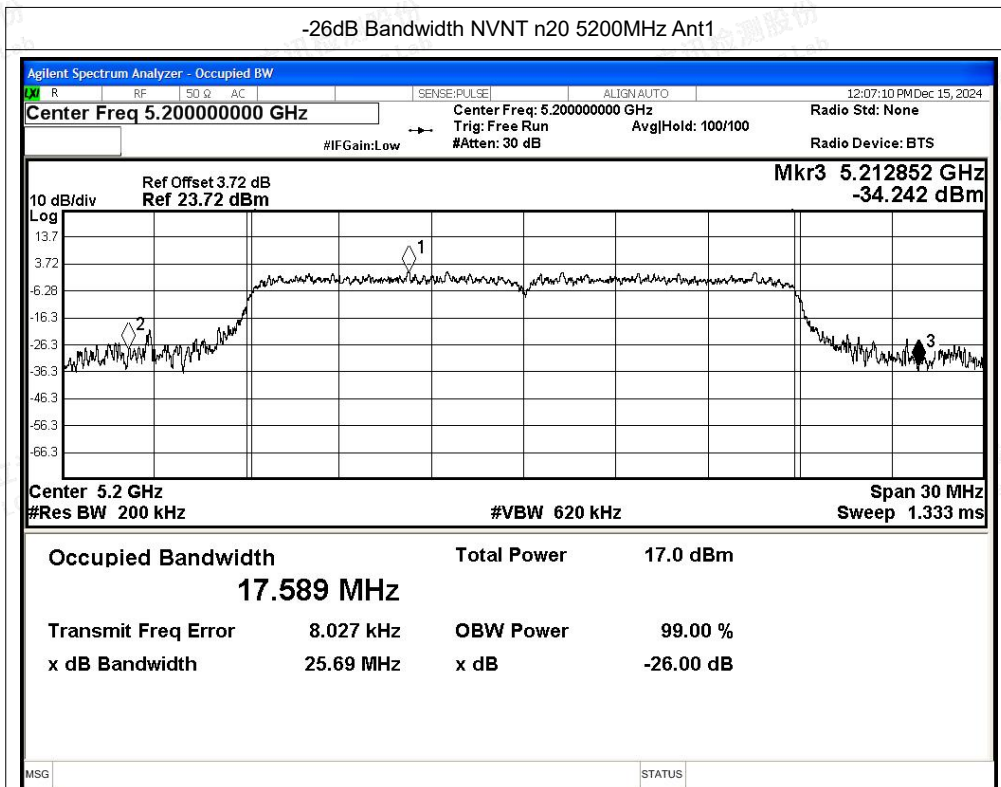


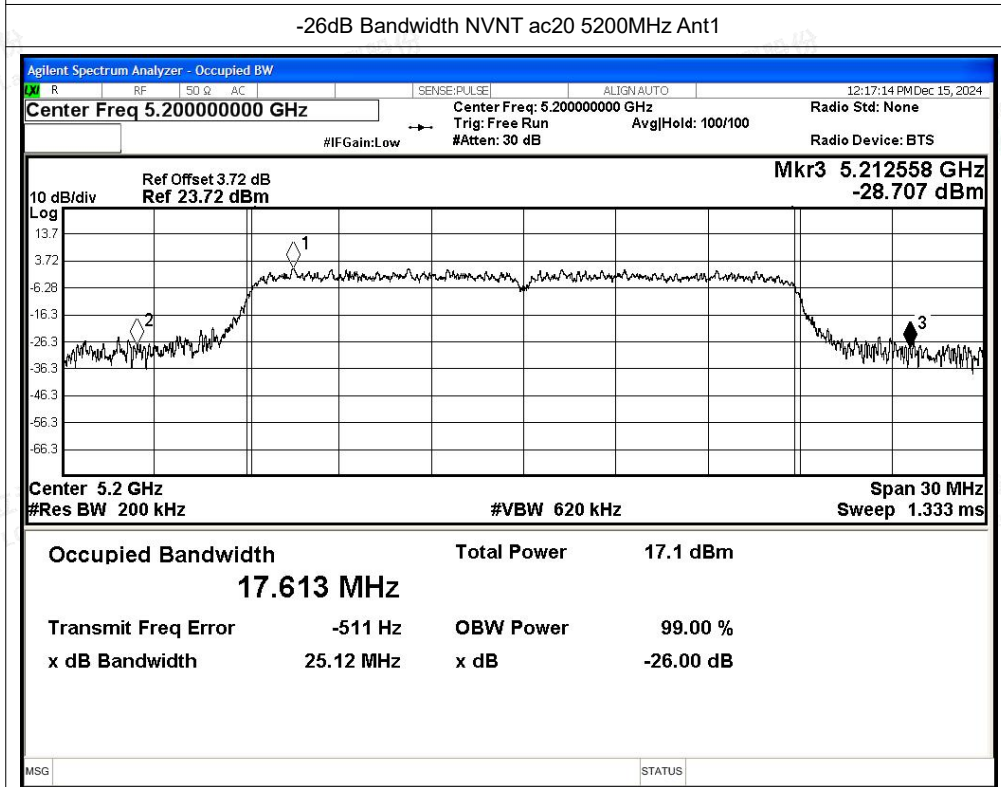
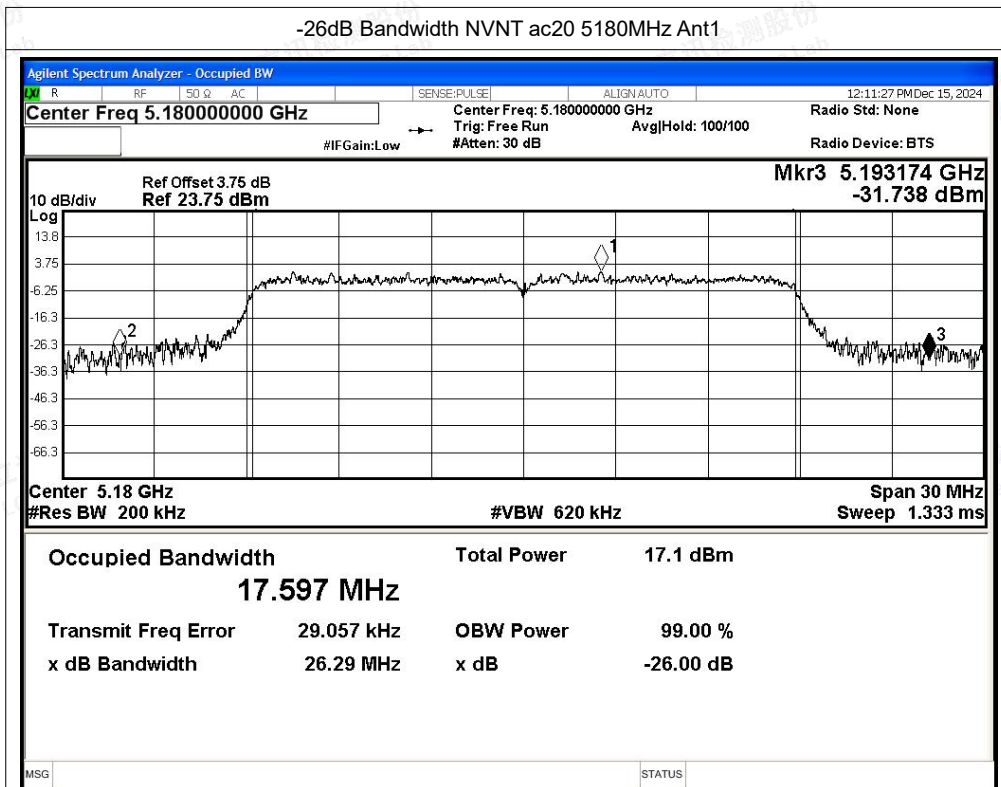
-26dB Bandwidth NVNT a 5240MHz Ant1



-26dB Bandwidth NVNT n20 5180MHz Ant1

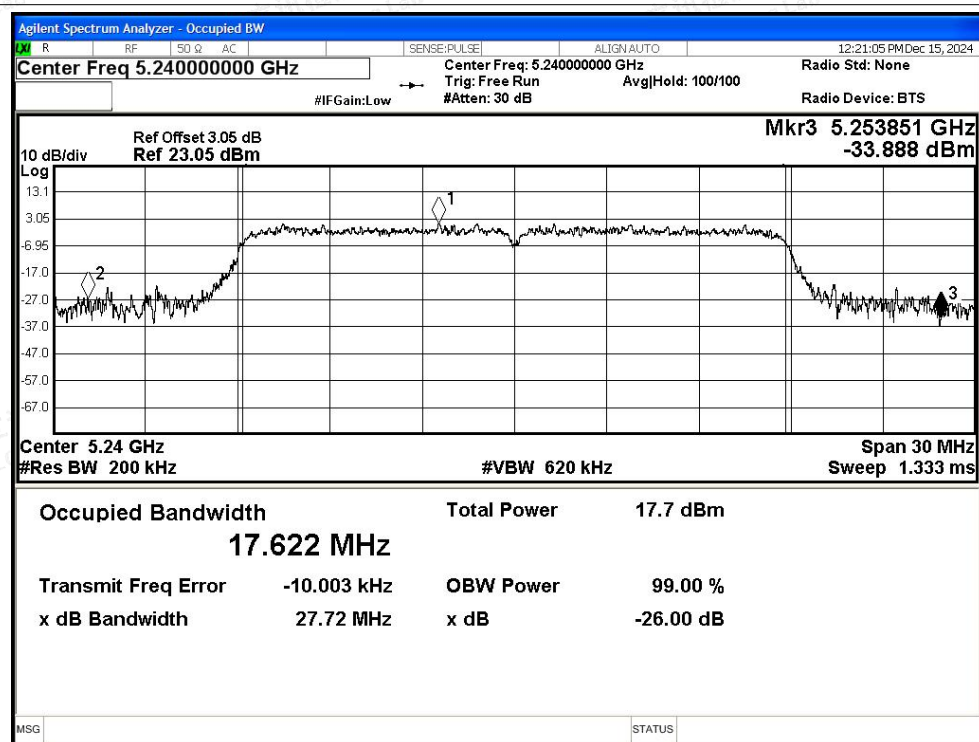




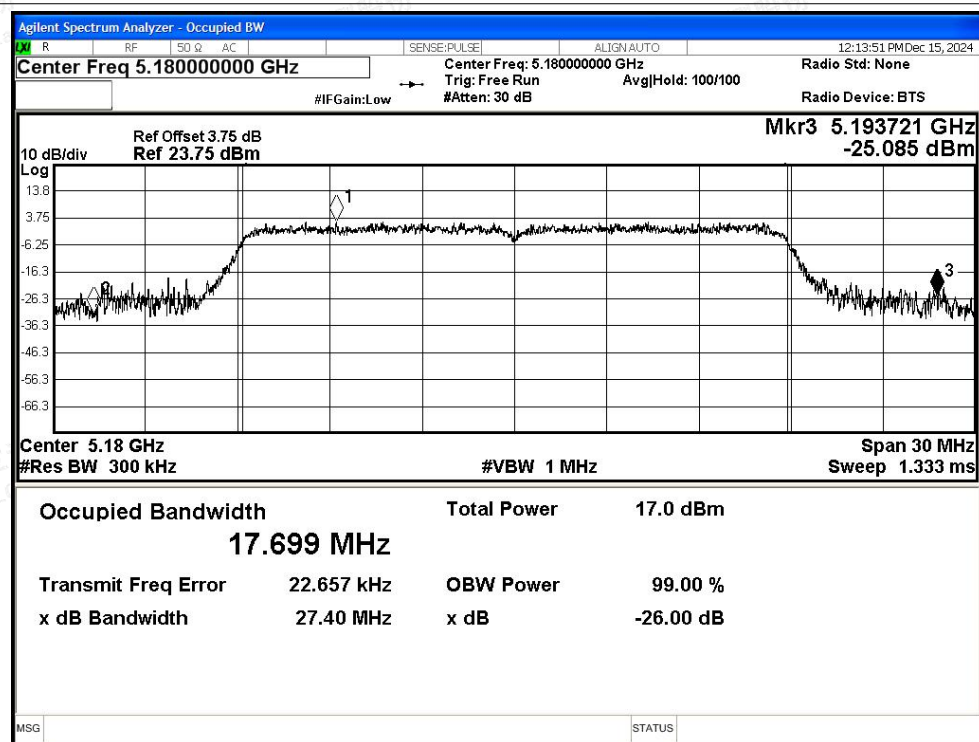


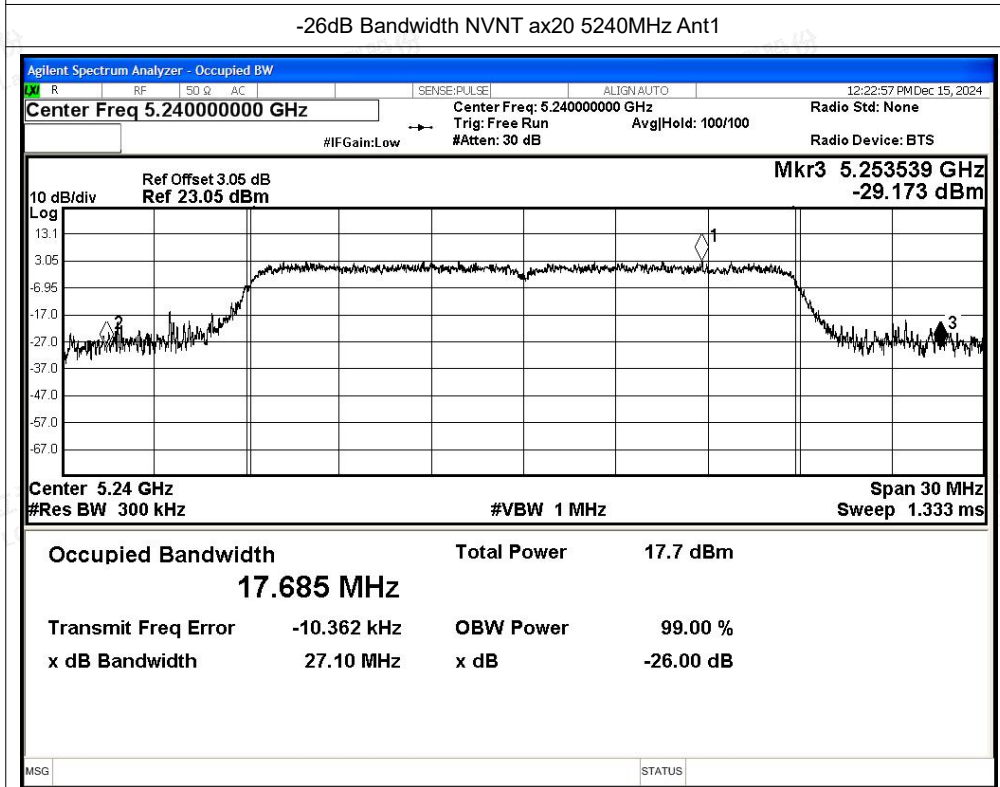
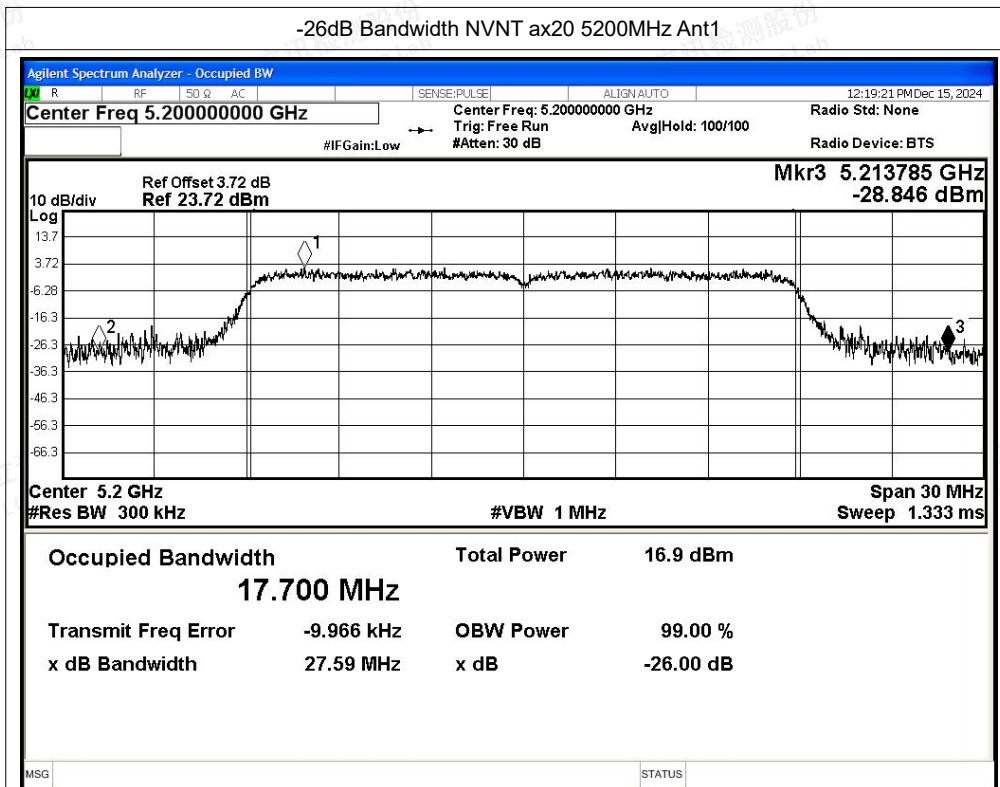


-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ax20 5180MHz Ant1







C.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.05	0.24	13.29	24	Pass
NVNT	a	5200	Ant1	12.89	0.24	13.13	24	Pass
NVNT	a	5240	Ant1	11.44	0.24	11.68	24	Pass
NVNT	n20	5180	Ant1	11.32	0.28	11.60	24	Pass
NVNT	n20	5200	Ant1	11.21	0.28	11.49	24	Pass
NVNT	n20	5240	Ant1	11.64	0.28	11.92	24	Pass
NVNT	ac20	5180	Ant1	11.37	0.28	11.65	24	Pass
NVNT	ac20	5200	Ant1	11.23	0.28	11.51	24	Pass
NVNT	ac20	5240	Ant1	11.93	0.28	12.21	24	Pass
NVNT	ax20	5180	Ant1	11.35	0.28	11.63	24	Pass
NVNT	ax20	5200	Ant1	11.32	0.28	11.60	24	Pass
NVNT	ax20	5240	Ant1	12.02	0.28	12.30	24	Pass



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C.3 Maximum Power Spectral Density Level

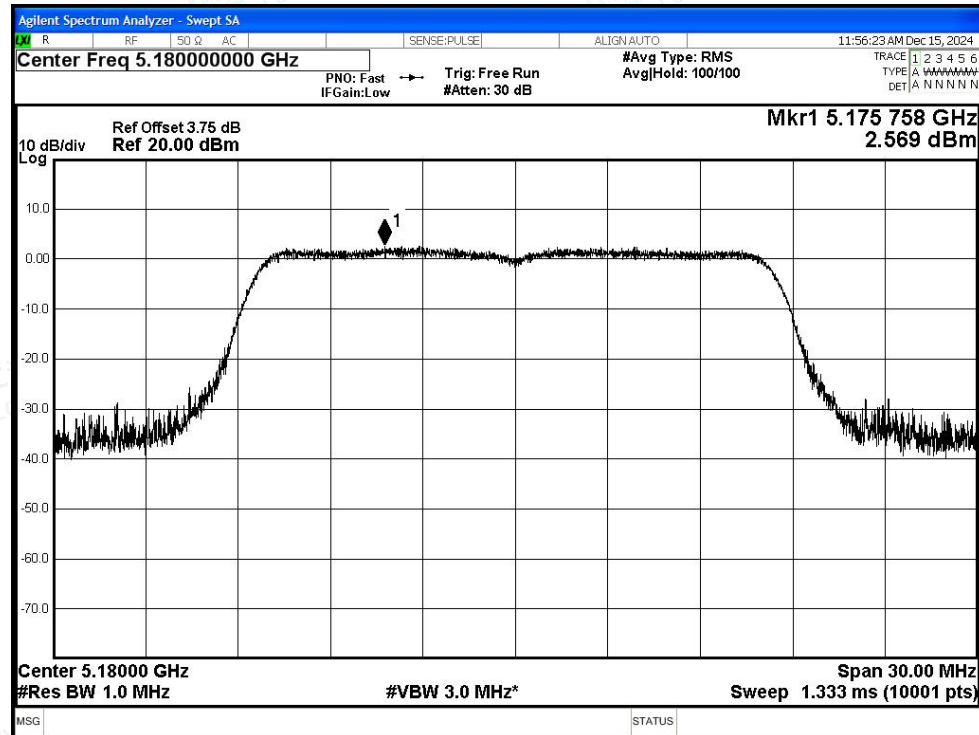
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	2.57	0.24	2.81	11	Pass
NVNT	a	5200	Ant1	2.14	0.24	2.38	11	Pass
NVNT	a	5240	Ant1	1.17	0.24	1.41	11	Pass
NVNT	n20	5180	Ant1	0.71	0.28	0.99	11	Pass
NVNT	n20	5200	Ant1	0.56	0.28	0.84	11	Pass
NVNT	n20	5240	Ant1	0.78	0.28	1.06	11	Pass
NVNT	ac20	5180	Ant1	0.56	0.28	0.84	11	Pass
NVNT	ac20	5200	Ant1	0.61	0.28	0.89	11	Pass
NVNT	ac20	5240	Ant1	1.17	0.28	1.45	11	Pass
NVNT	ax20	5180	Ant1	0.54	0.28	0.82	11	Pass
NVNT	ax20	5200	Ant1	0.44	0.28	0.72	11	Pass
NVNT	ax20	5240	Ant1	1.31	0.28	1.59	11	Pass



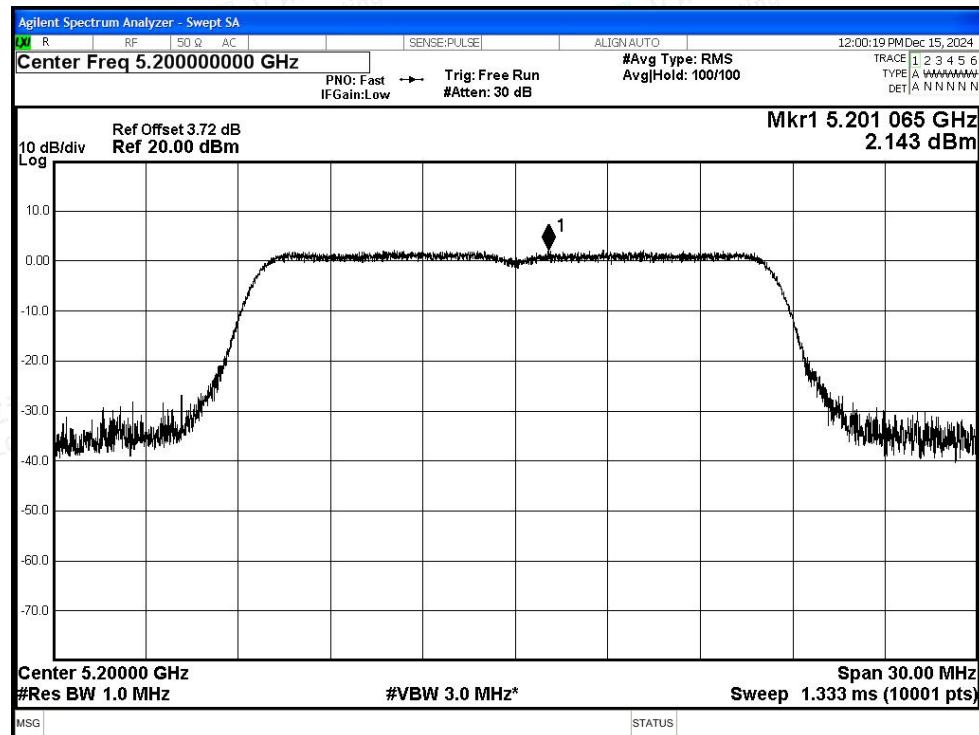


Test Graphs

PSD NVNT a 5180MHz Ant1

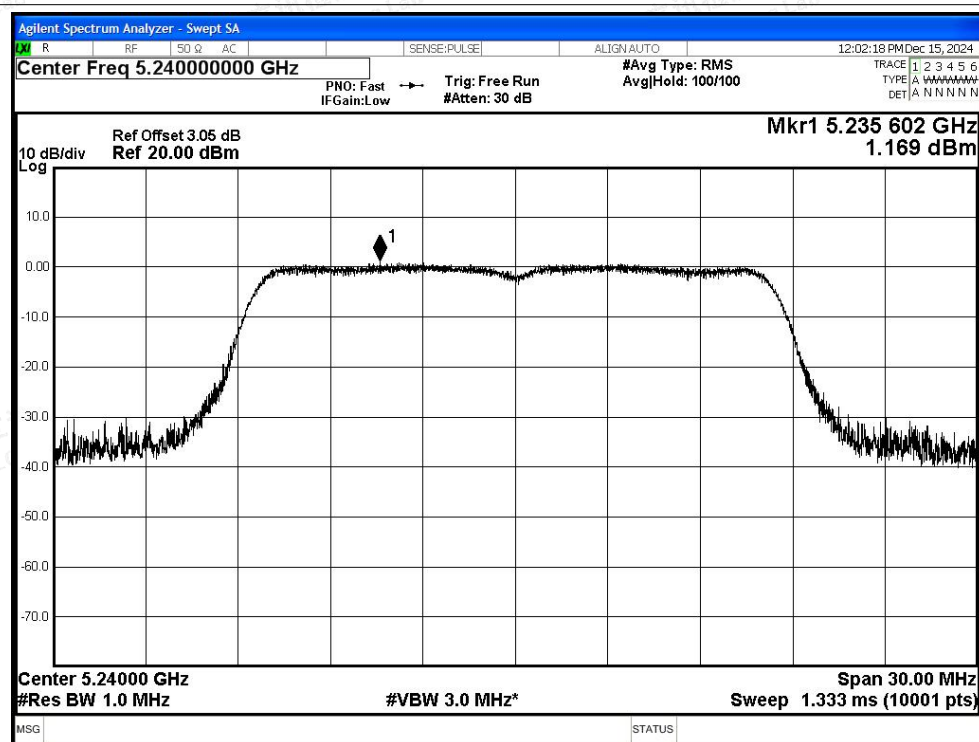


PSD NVNT a 5200MHz Ant1

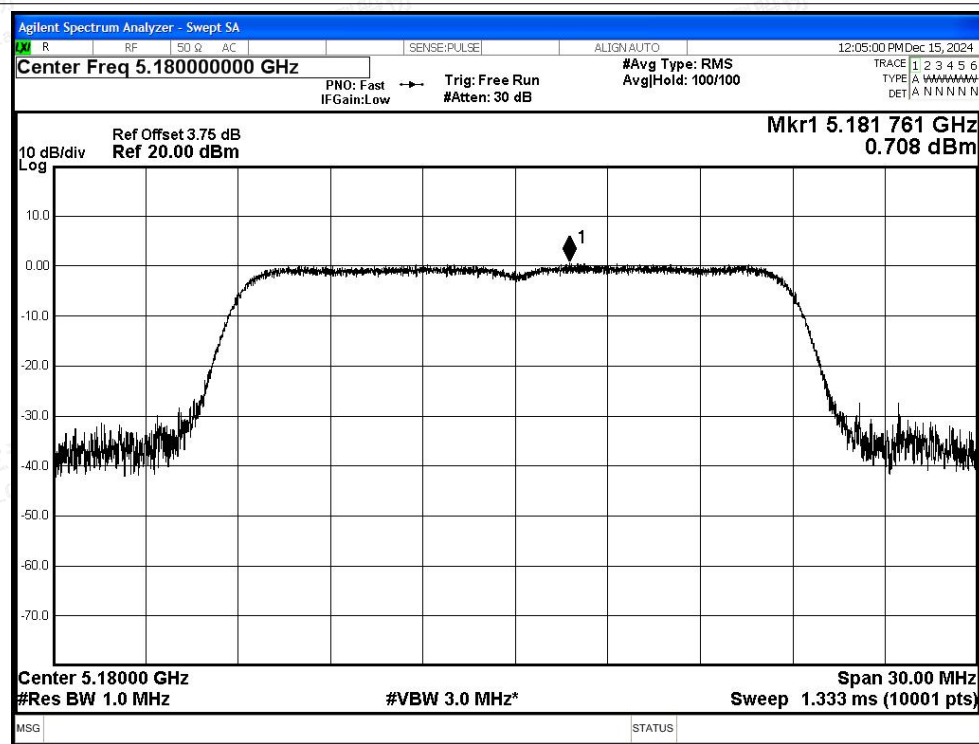


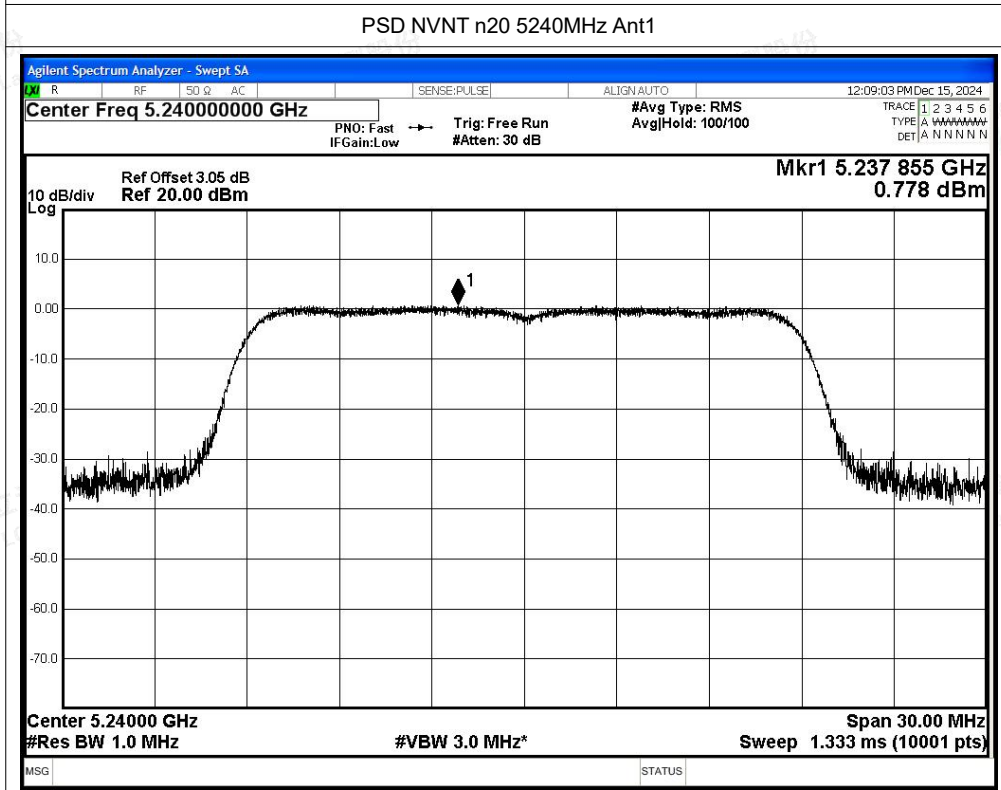
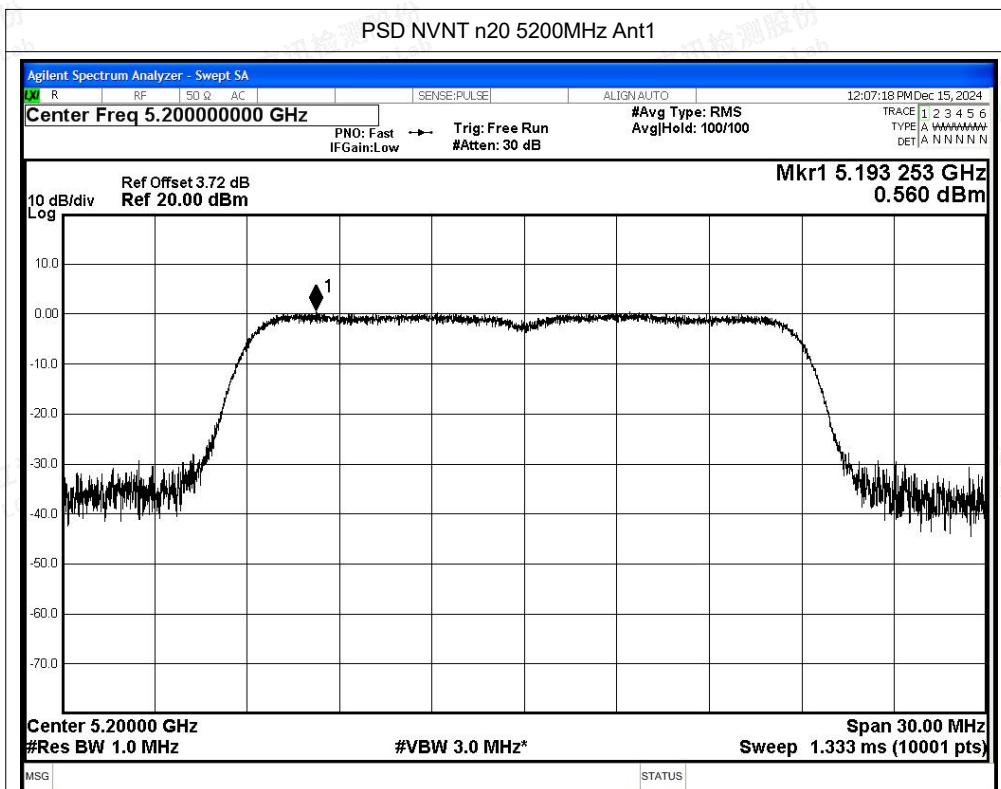


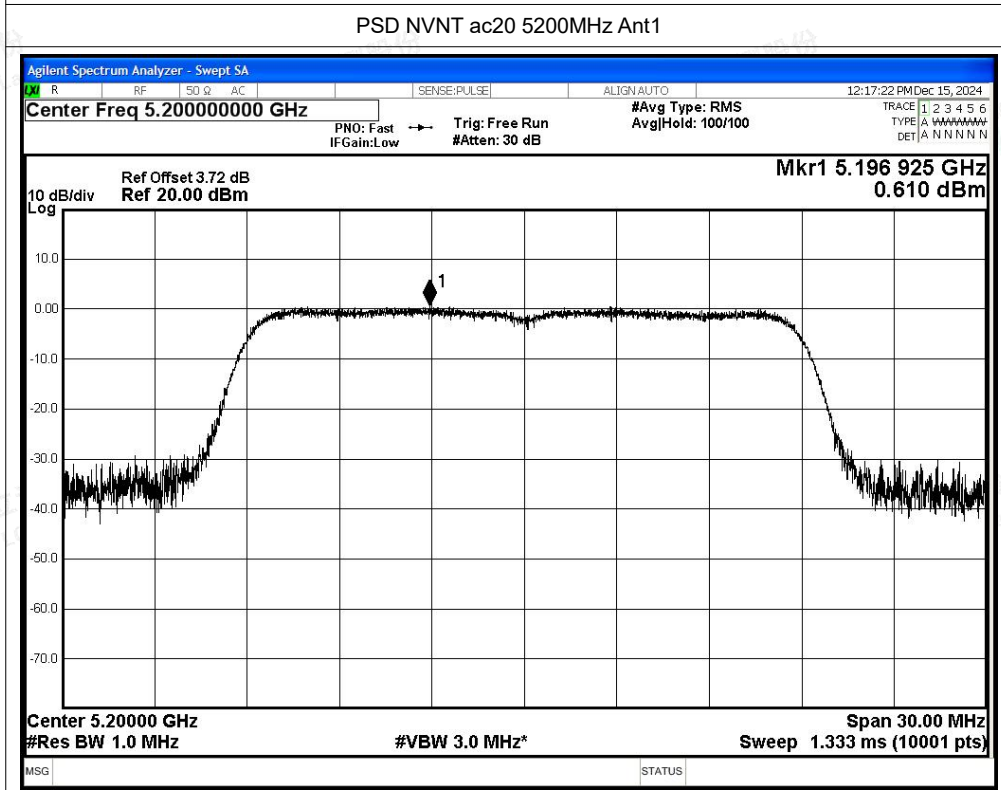
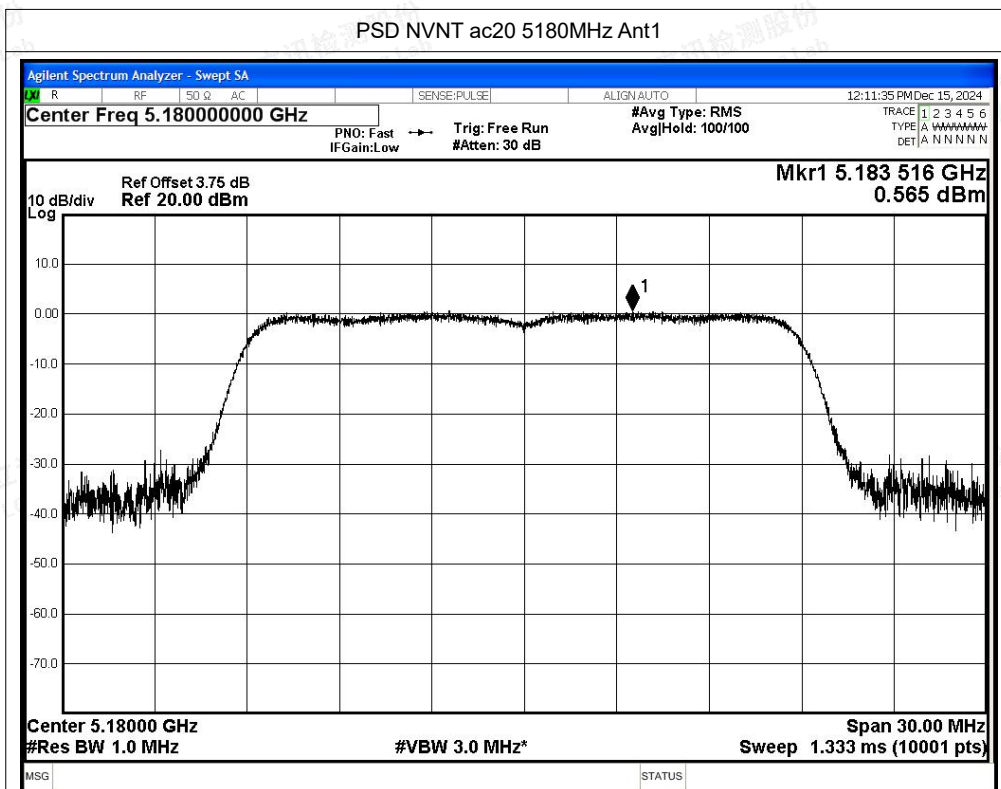
PSD NVNT a 5240MHz Ant1

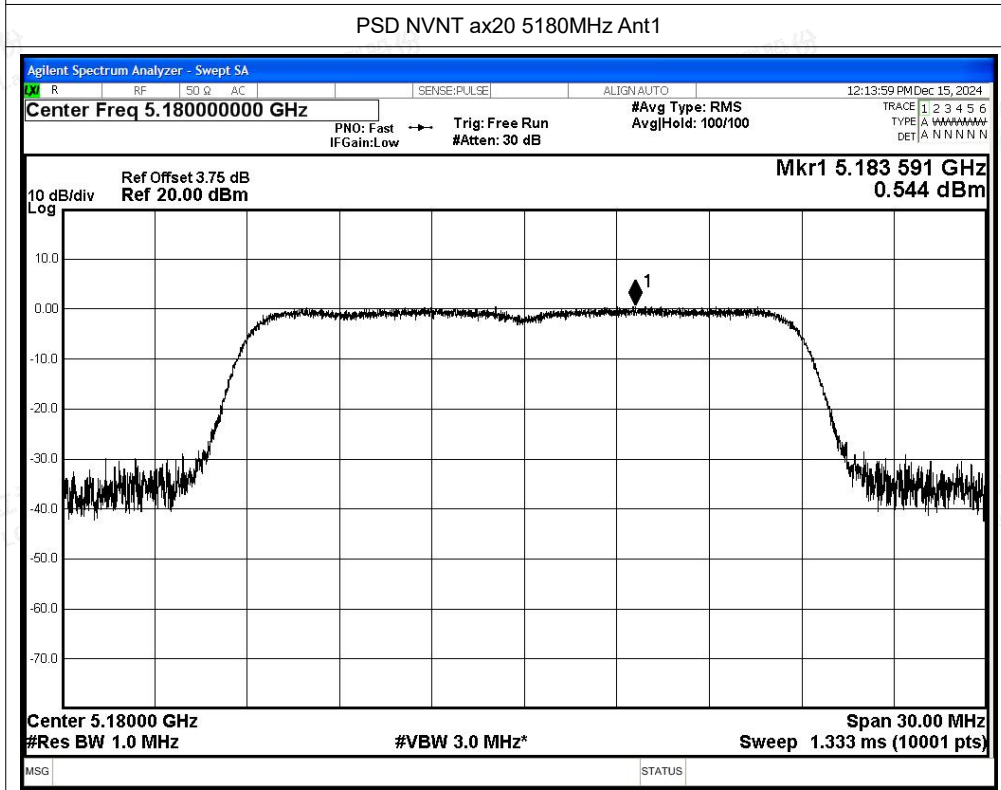
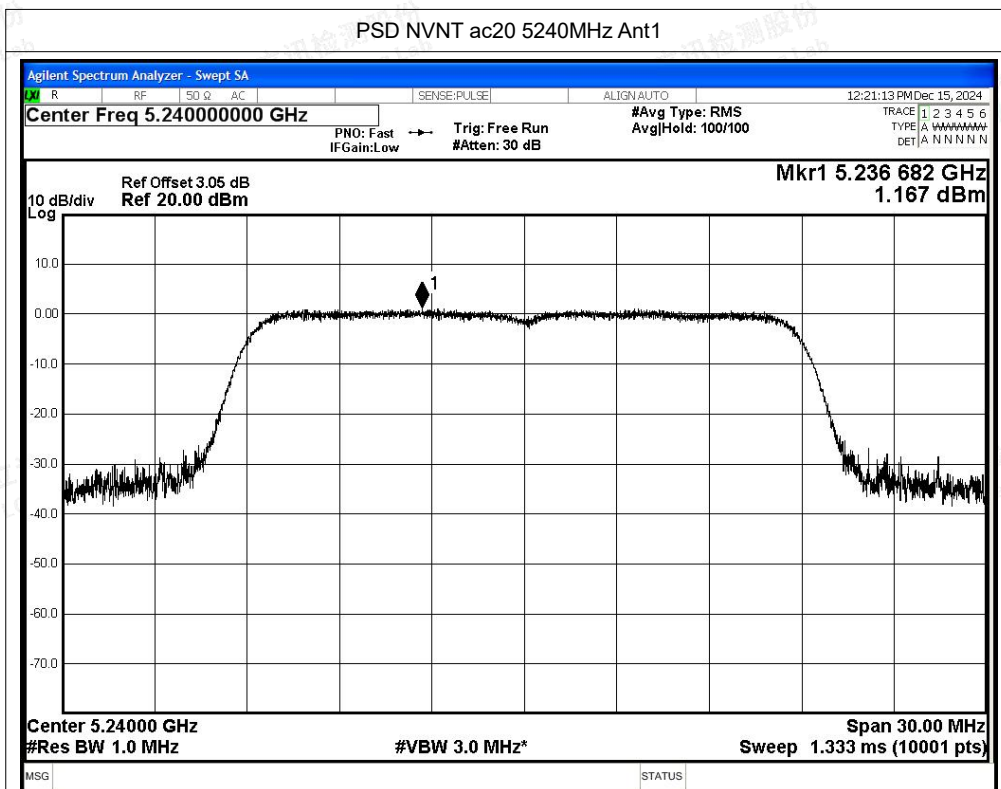


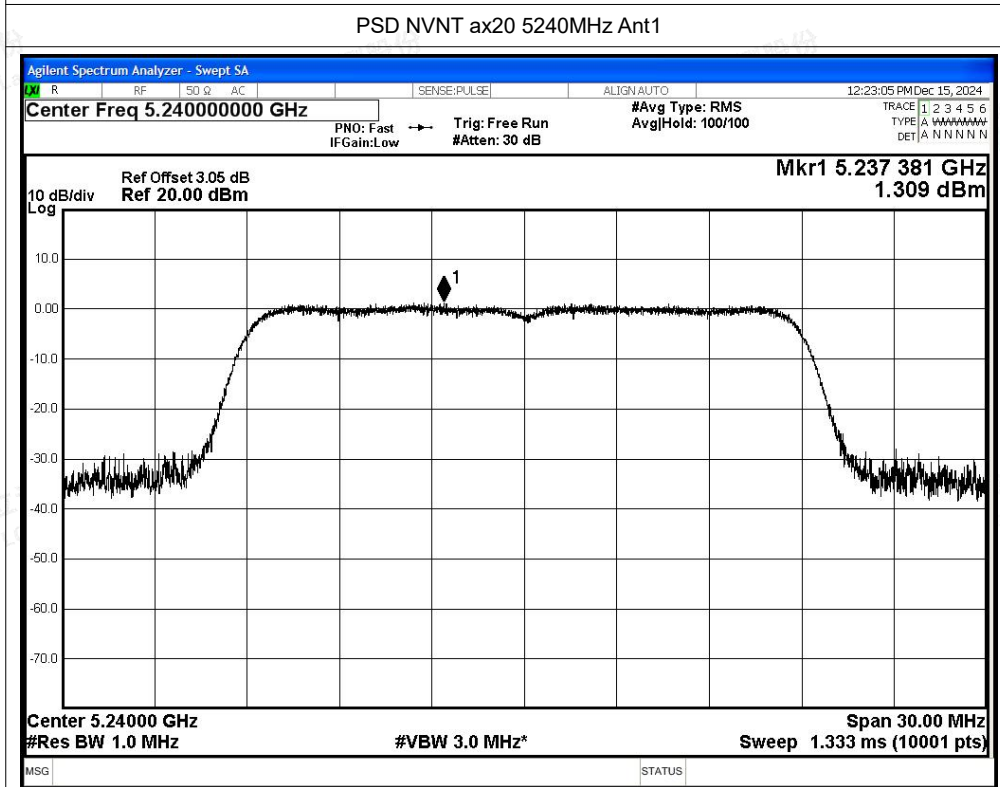
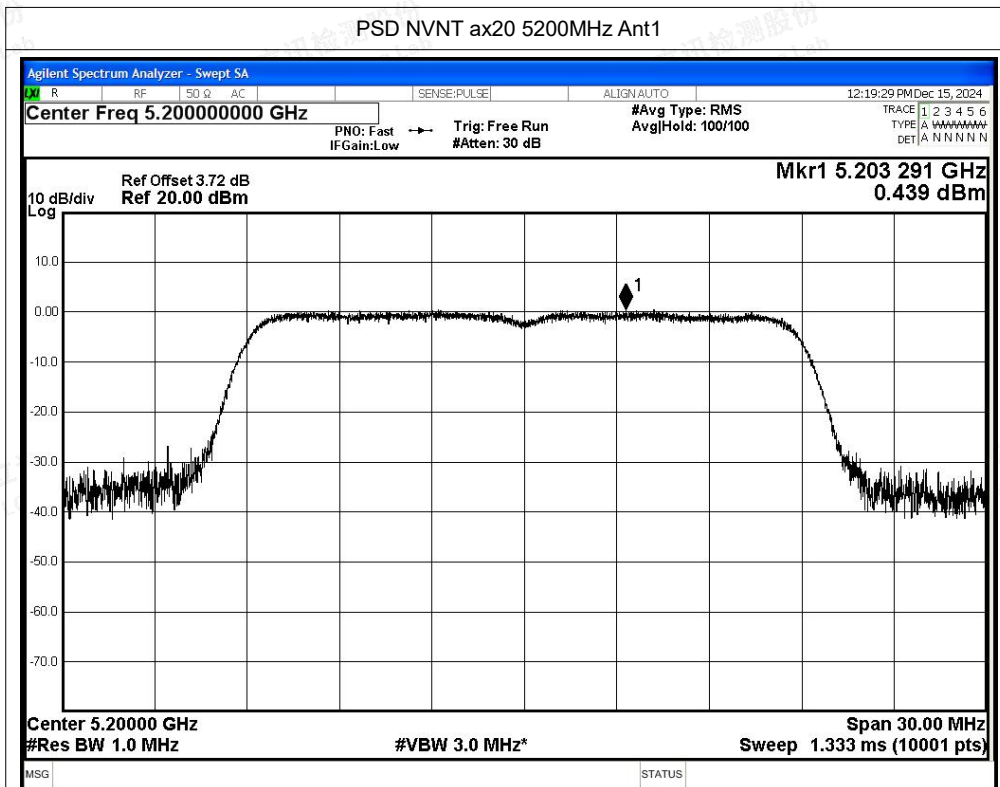
PSD NVNT n20 5180MHz Ant1













C.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	-49.5	3.80	-	48.72	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-58.49	3.80	0.24	39.97	Average	54	Pass
NVNT	a	5180	Ant1	5147.5	-44.12	3.80	-	54.1	Peak	68.2	Pass
NVNT	a	5180	Ant1	5148.9	-54.98	3.80	0.24	43.48	Average	54	Pass
NVNT	a	5180	Ant1	5150	-45.85	3.80	-	52.37	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-54.28	3.80	0.24	44.18	Average	54	Pass
NVNT	a	5240	Ant1	5350	-48.72	3.80	-	49.5	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-56.78	3.80	0.24	41.68	Average	54	Pass
NVNT	a	5240	Ant1	5381.28	-46.98	3.80	-	51.24	Peak	68.2	Pass
NVNT	a	5240	Ant1	5351.52	-56.47	3.80	0.24	41.99	Average	54	Pass
NVNT	a	5240	Ant1	5460	-49.78	3.80	-	48.44	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-58.1	3.80	0.24	40.36	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-48.99	3.80	-	49.23	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-58.78	3.80	0.28	39.72	Average	54	Pass
NVNT	n20	5180	Ant1	5147.5	-41.9	3.80	-	56.32	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-53.62	3.80	0.28	44.88	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-39.92	3.80	-	58.3	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-52.86	3.80	0.28	45.64	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-48.2	3.80	-	50.02	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-57.1	3.80	0.28	41.4	Average	54	Pass
NVNT	n20	5240	Ant1	5367.84	-46.25	3.80	-	51.97	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350.32	-56.74	3.80	0.28	41.76	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-50.35	3.80	-	47.87	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-58.13	3.80	0.28	40.37	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-50.8	3.80	-	47.42	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-58.41	3.80	0.28	40.09	Average	54	Pass
NVNT	ac20	5180	Ant1	5147.5	-39.16	3.80	-	59.06	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5149.6	-53.13	3.80	0.28	45.37	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-41.81	3.80	-	56.41	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-52.25	3.80	0.28	46.25	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-49.25	3.80	-	48.97	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-57.37	3.80	0.28	41.13	Average	54	Pass
NVNT	ac20	5240	Ant1	5434.08	-46.85	3.80	-	51.37	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5366.16	-56.95	3.80	0.28	41.55	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-51.5	3.80	-	46.72	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-58.3	3.80	0.28	40.2	Average	54	Pass





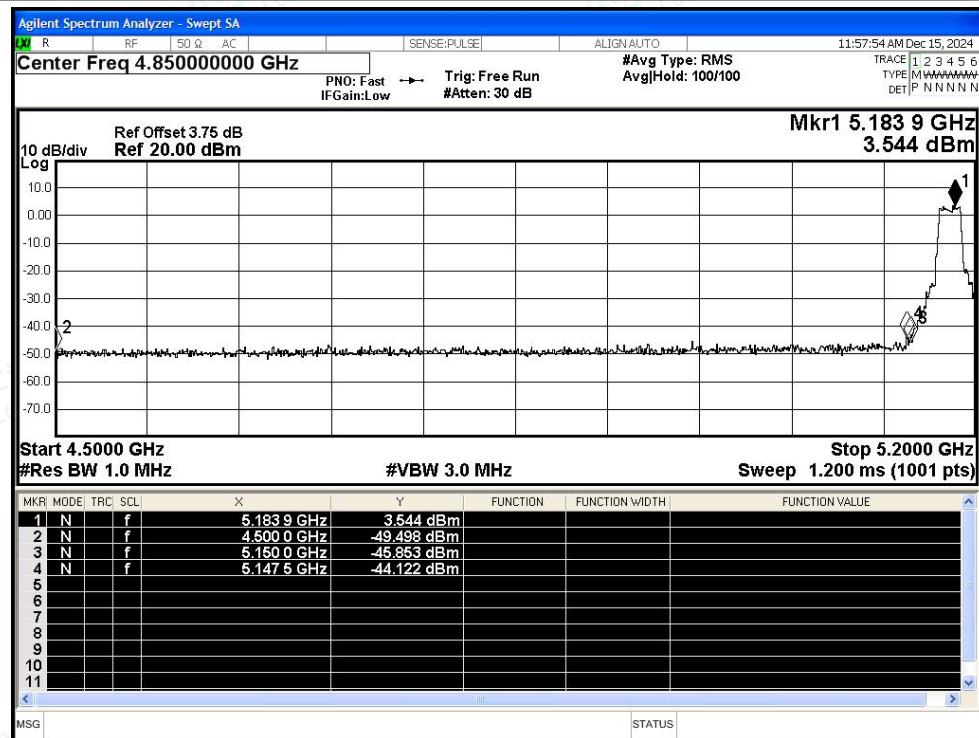
NVNT	ax20	5180	Ant1	4500	-50.02	3.80	-	48.2	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	4500	-58.43	3.80	0.28	40.07	Average	54	Pass
NVNT	ax20	5180	Ant1	5149.6	-39.68	3.80	-	58.54	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	5148.2	-52.79	3.80	0.28	45.71	Average	54	Pass
NVNT	ax20	5180	Ant1	5150	-39.28	3.80	-	58.94	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	5150	-52.81	3.80	0.28	45.69	Average	54	Pass
NVNT	ax20	5240	Ant1	5350	-48.67	3.80	-	49.55	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5350	-56.93	3.80	0.28	41.57	Average	54	Pass
NVNT	ax20	5240	Ant1	5400.96	-47.33	3.80	-	50.89	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5350.56	-56.53	3.80	0.28	41.97	Average	54	Pass
NVNT	ax20	5240	Ant1	5460	-48.68	3.80	-	49.54	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5460	-58.47	3.80	0.28	40.03	Average	54	Pass



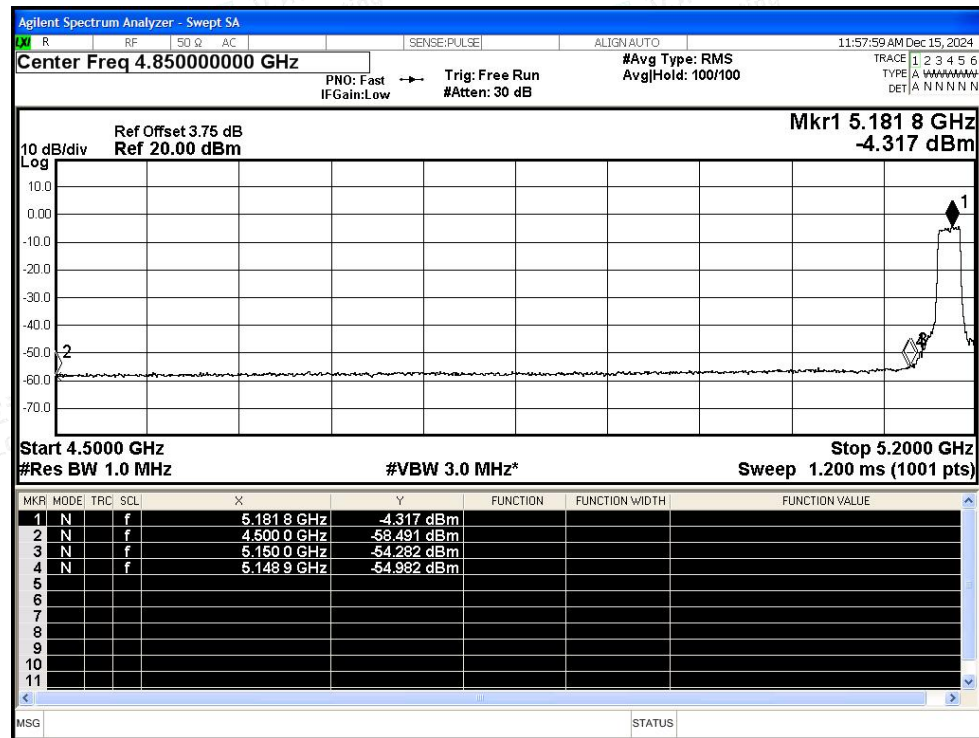


Test Graphs

Restrict Band NVNT a 5180MHz Ant1 Peak

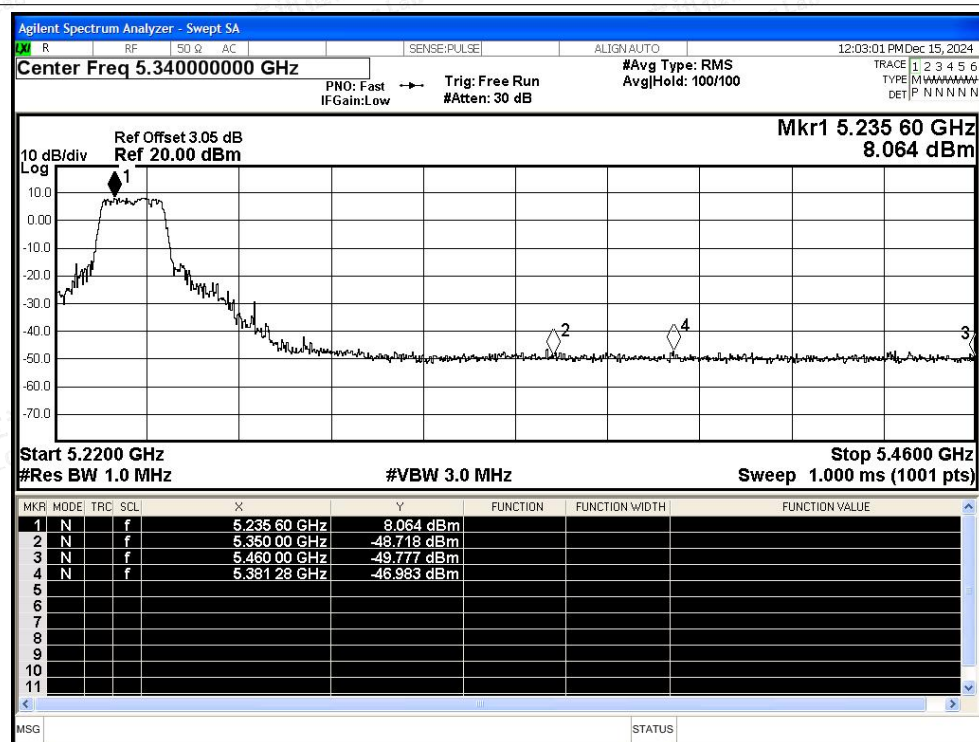


Restrict Band NVNT a 5180MHz Ant1 Average

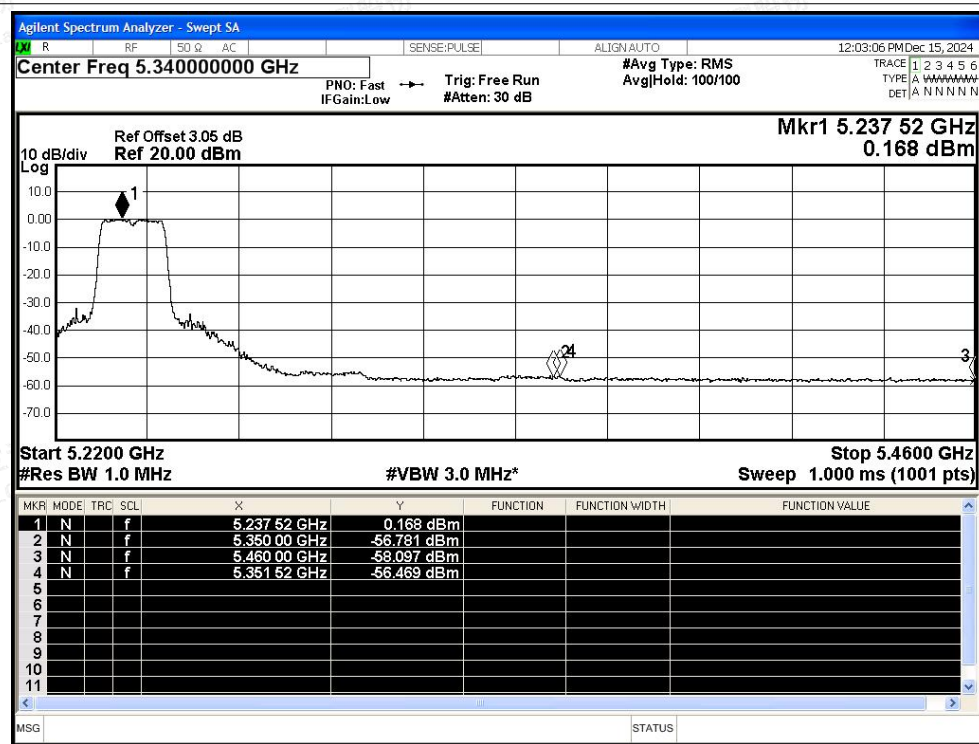




Restrict Band NVNT a 5240MHz Ant1 Peak

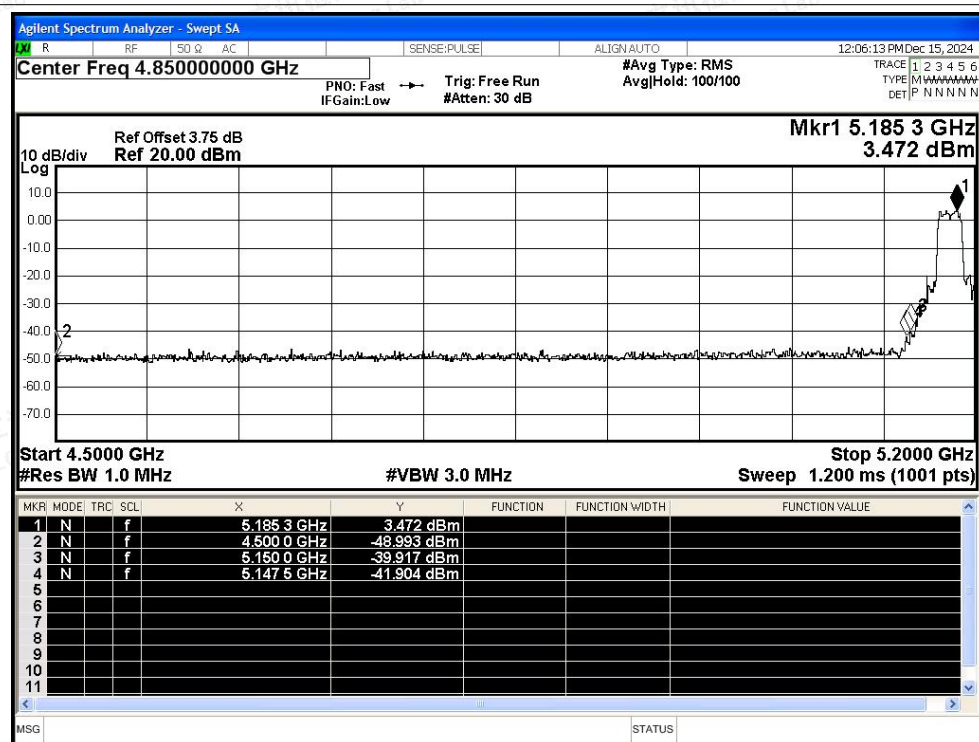


Restrict Band NVNT a 5240MHz Ant1 Average

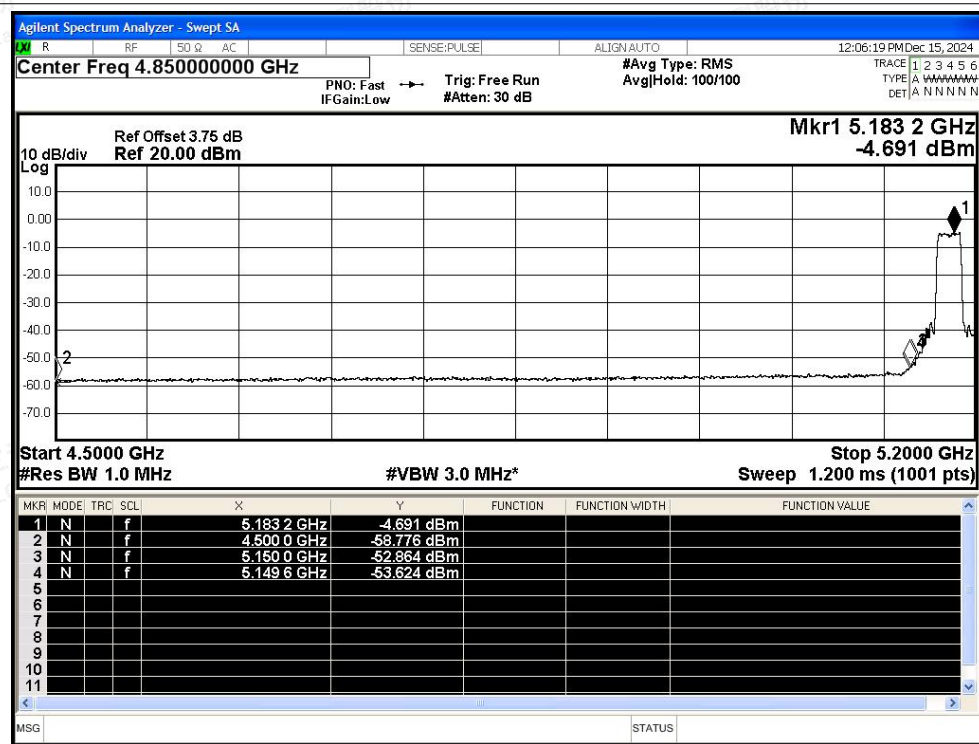




Restrict Band NVNT n20 5180MHz Ant1 Peak

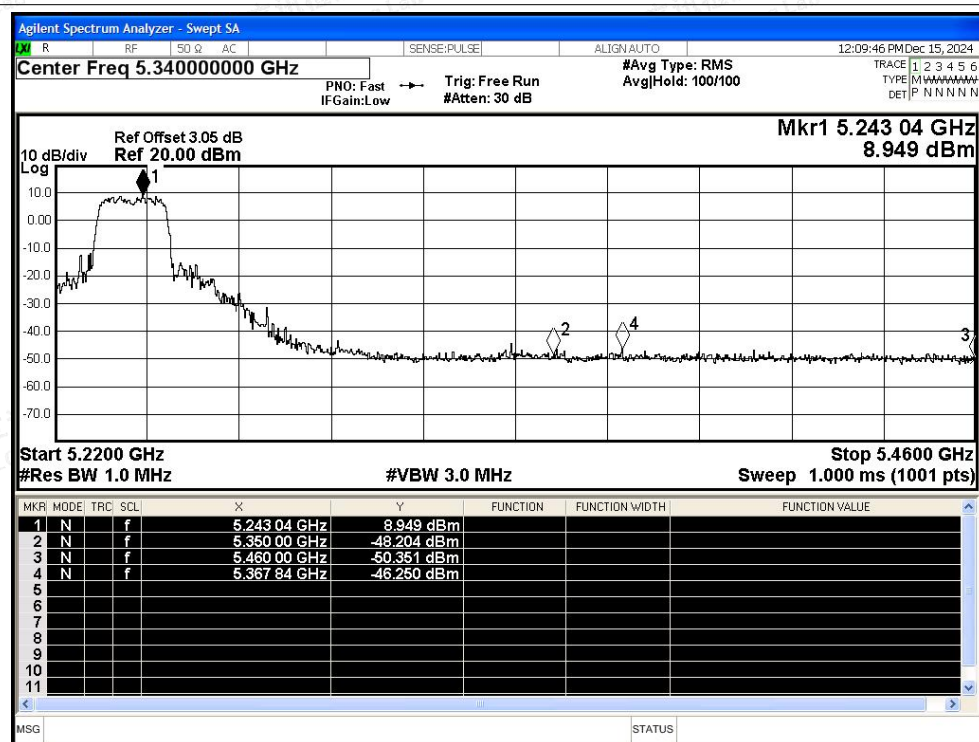


Restrict Band NVNT n20 5180MHz Ant1 Average

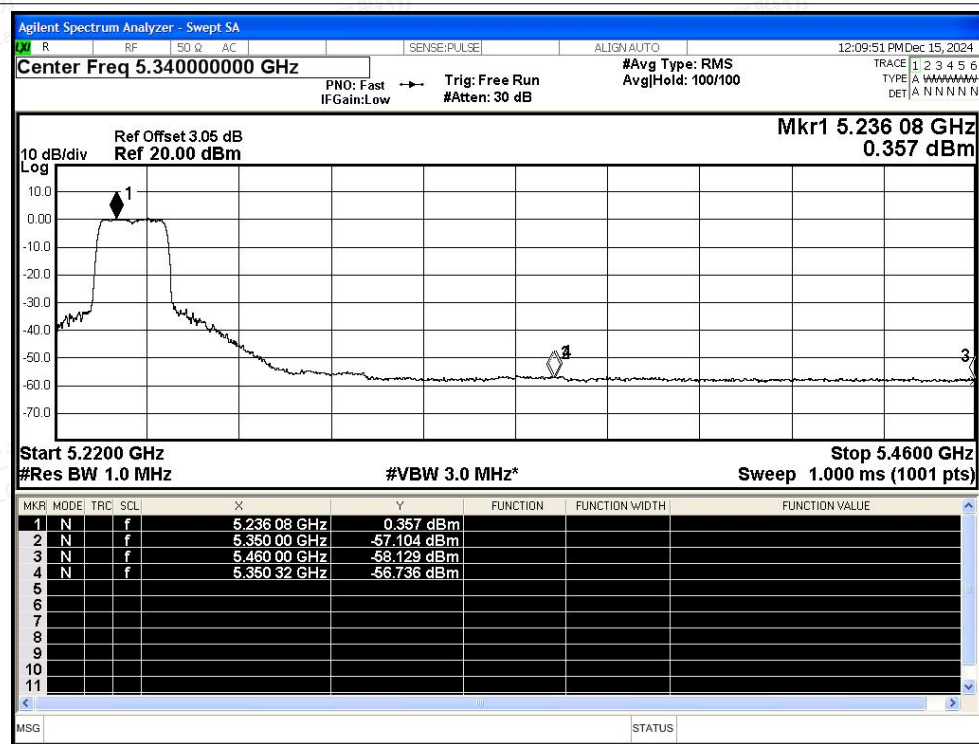


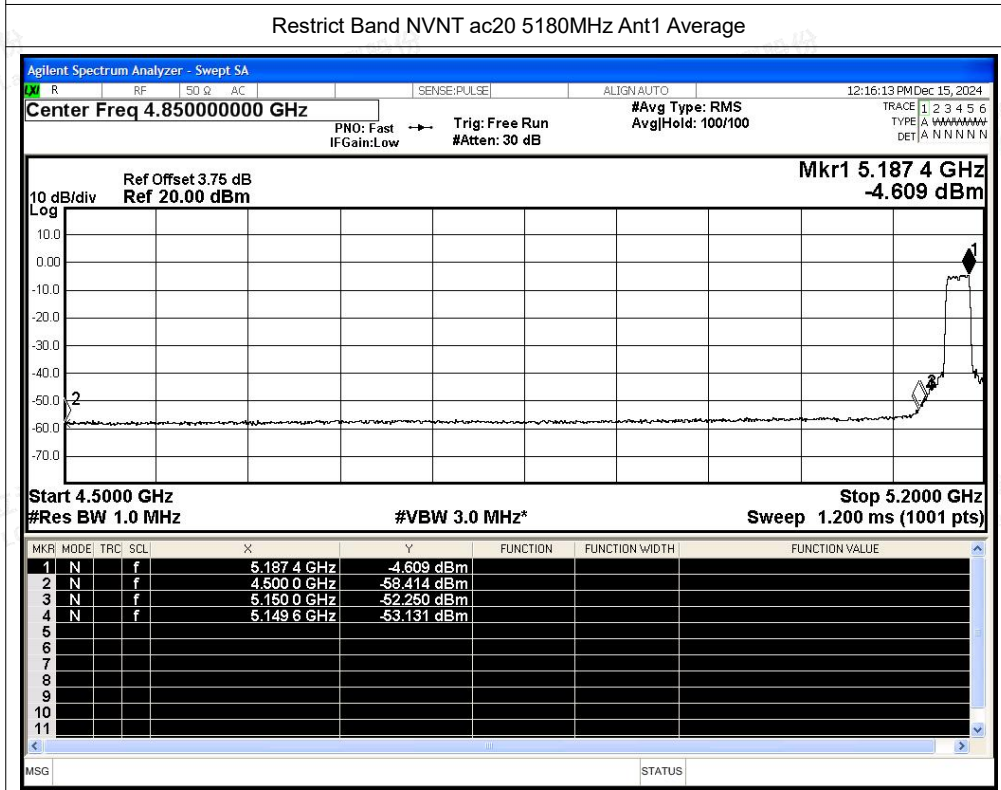
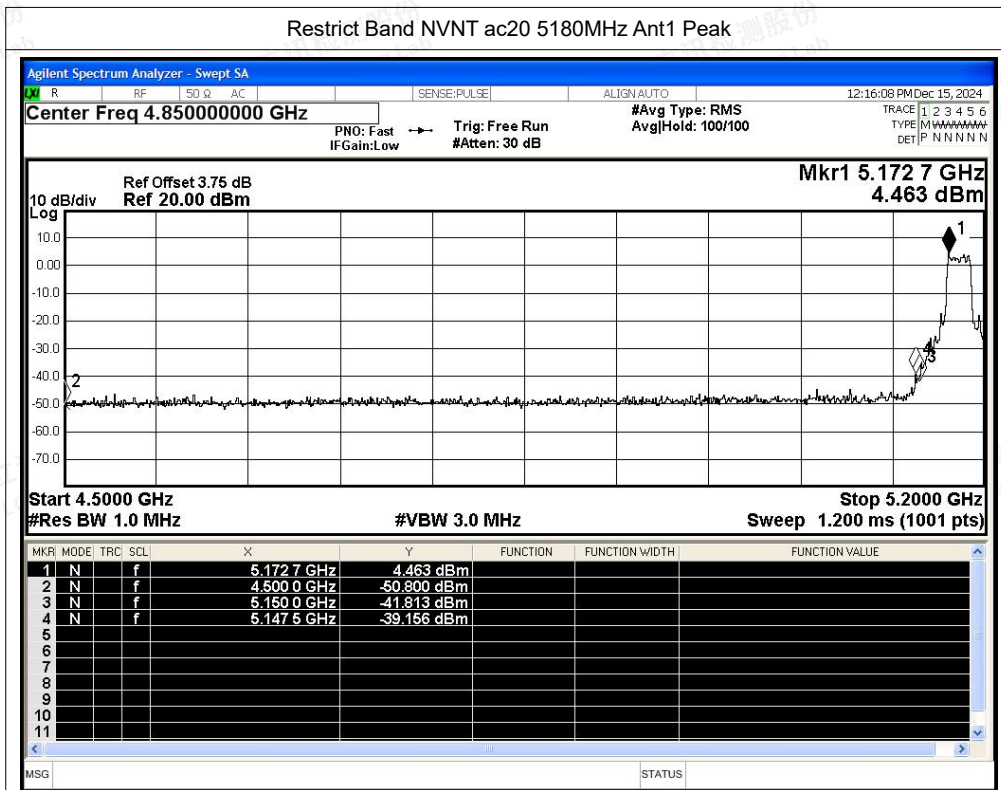


Restrict Band NVNT n20 5240MHz Ant1 Peak



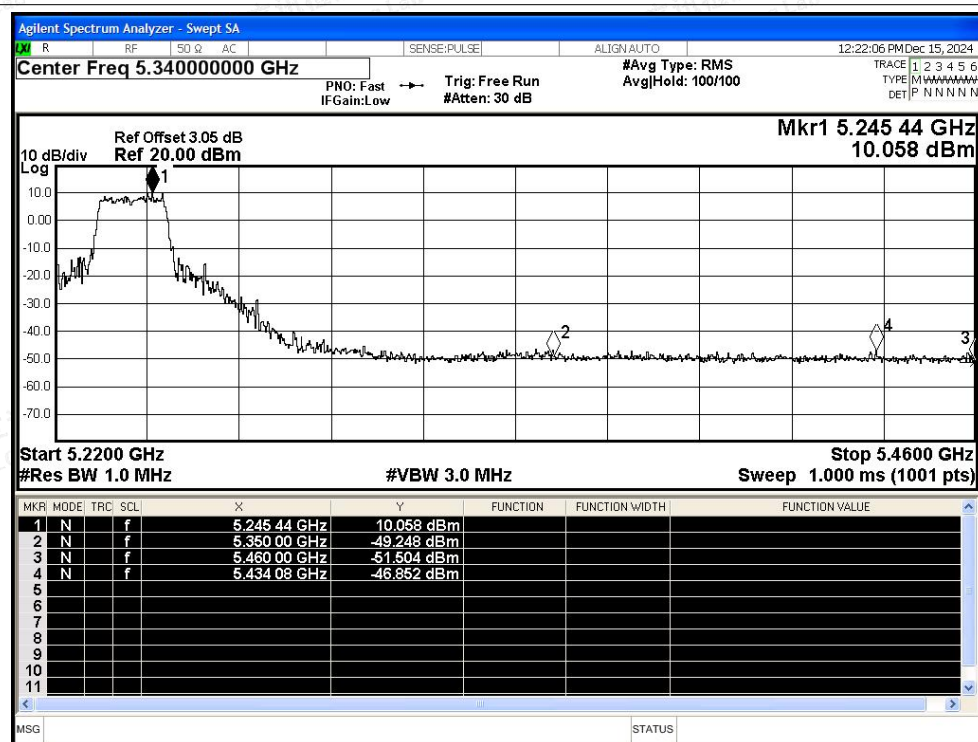
Restrict Band NVNT n20 5240MHz Ant1 Average



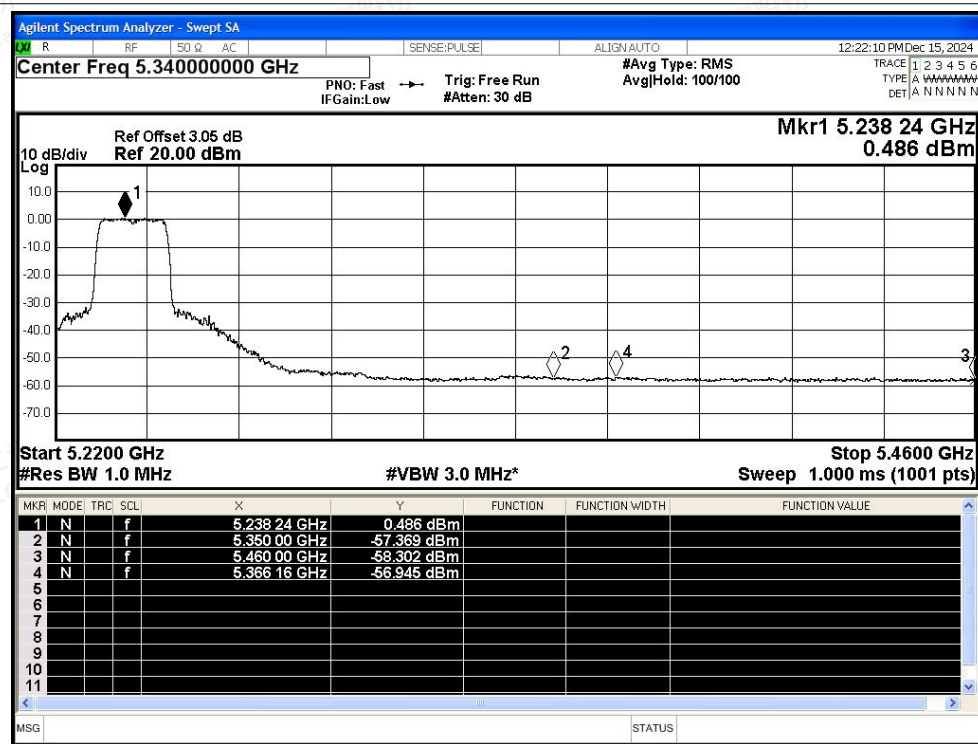




Restrict Band NVNT ac20 5240MHz Ant1 Peak



Restrict Band NVNT ac20 5240MHz Ant1 Average



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