Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Tablet

Test Model: KB1001

Environmental Conditions

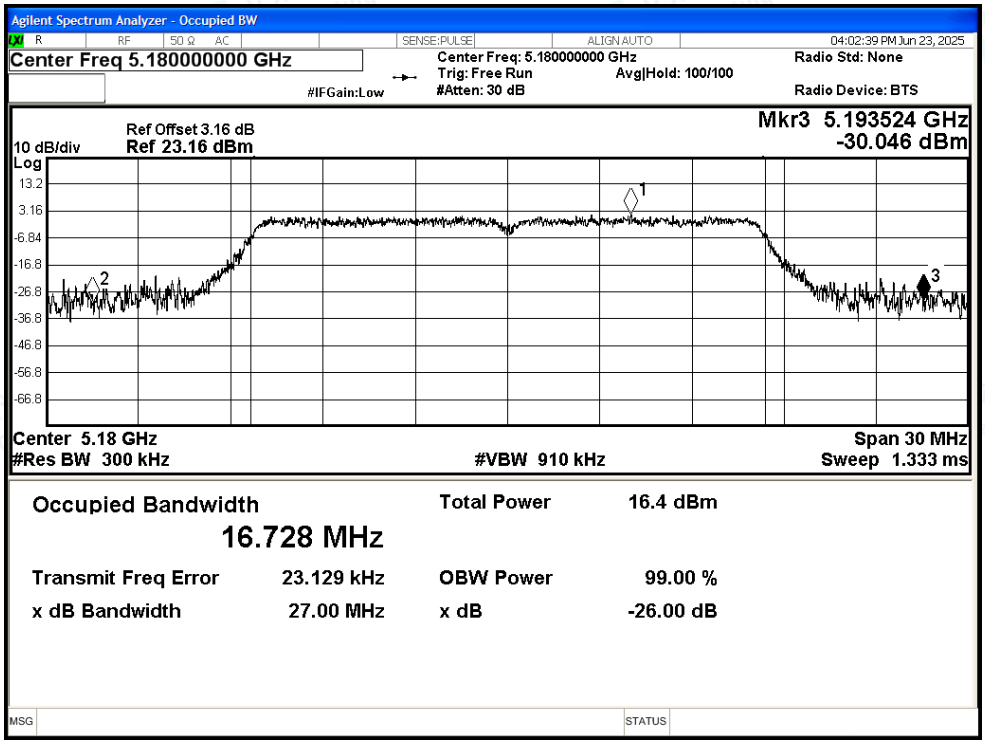
Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

D.1 -26dB Bandwidth

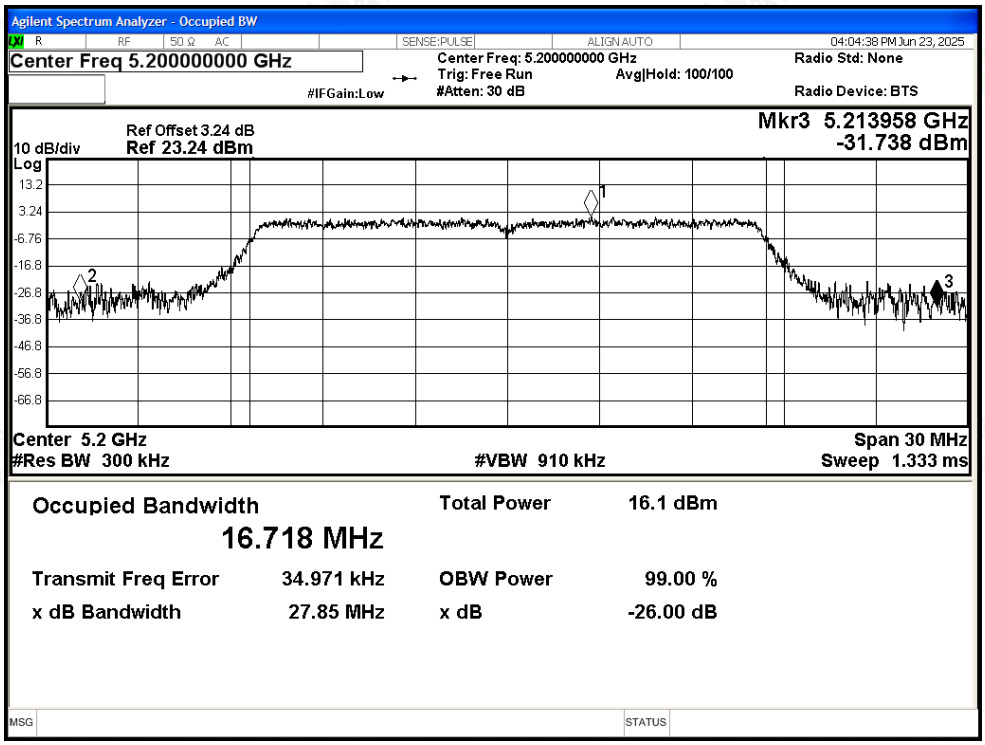
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	27.002	---	Pass
NVNT	a	5200	Ant1	27.845	---	Pass
NVNT	a	5240	Ant1	26.652	---	Pass
NVNT	n20	5180	Ant1	28.409	---	Pass
NVNT	n20	5200	Ant1	26.515	---	Pass
NVNT	n20	5240	Ant1	29.018	---	Pass
NVNT	n40	5190	Ant1	48.57	---	Pass
NVNT	n40	5230	Ant1	52.6	---	Pass
NVNT	ac20	5180	Ant1	29.457	---	Pass
NVNT	ac20	5200	Ant1	29.443	---	Pass
NVNT	ac20	5240	Ant1	26.033	---	Pass
NVNT	ac40	5190	Ant1	55.759	---	Pass
NVNT	ac40	5230	Ant1	55.932	---	Pass
NVNT	ax20	5180	Ant1	28.233	---	Pass
NVNT	ax20	5200	Ant1	28.277	---	Pass
NVNT	ax20	5240	Ant1	28.933	---	Pass
NVNT	ax40	5190	Ant1	55.636	---	Pass
NVNT	ax40	5230	Ant1	55.888	---	Pass

Test Graphs

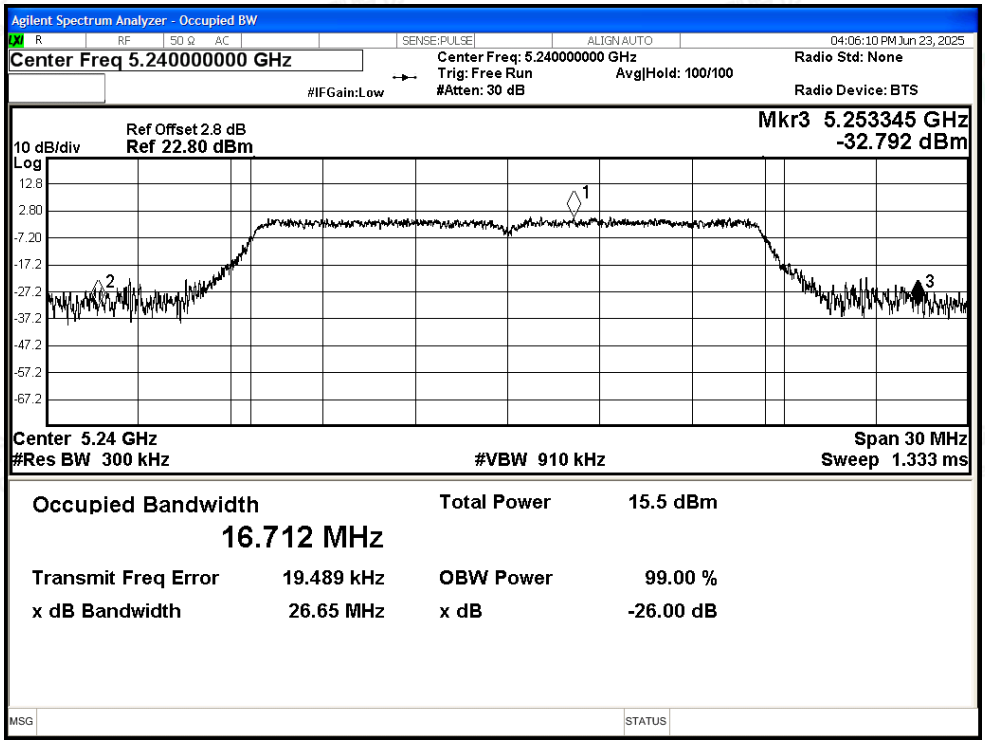
-26dB Bandwidth NVNT a 5180MHz Ant1



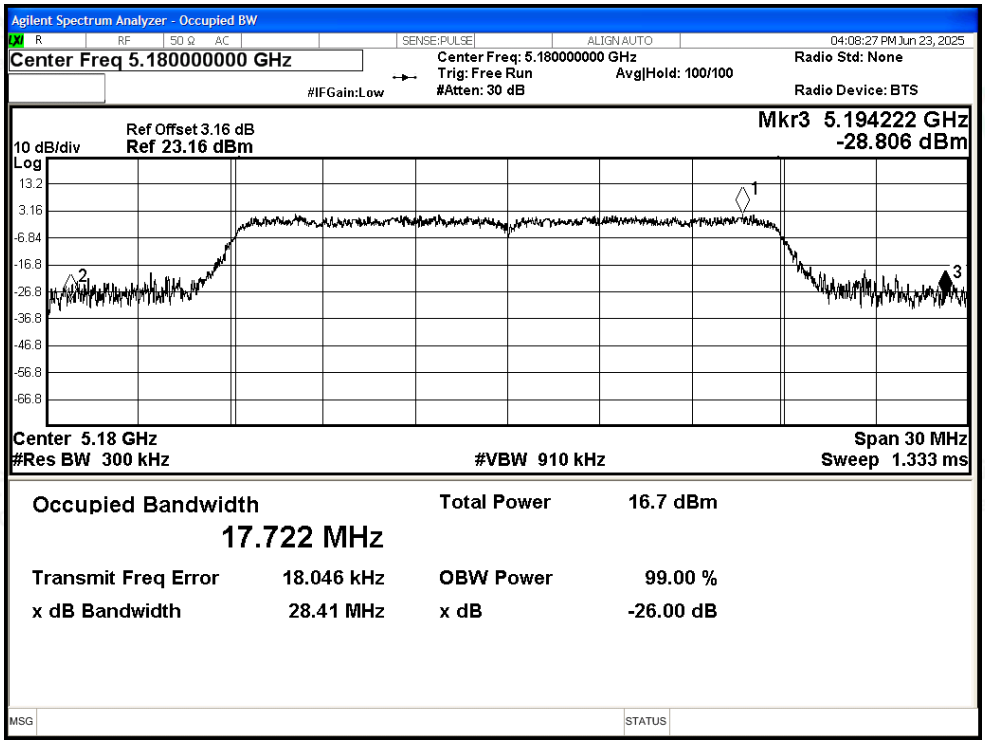
-26dB Bandwidth NVNT a 5200MHz Ant1



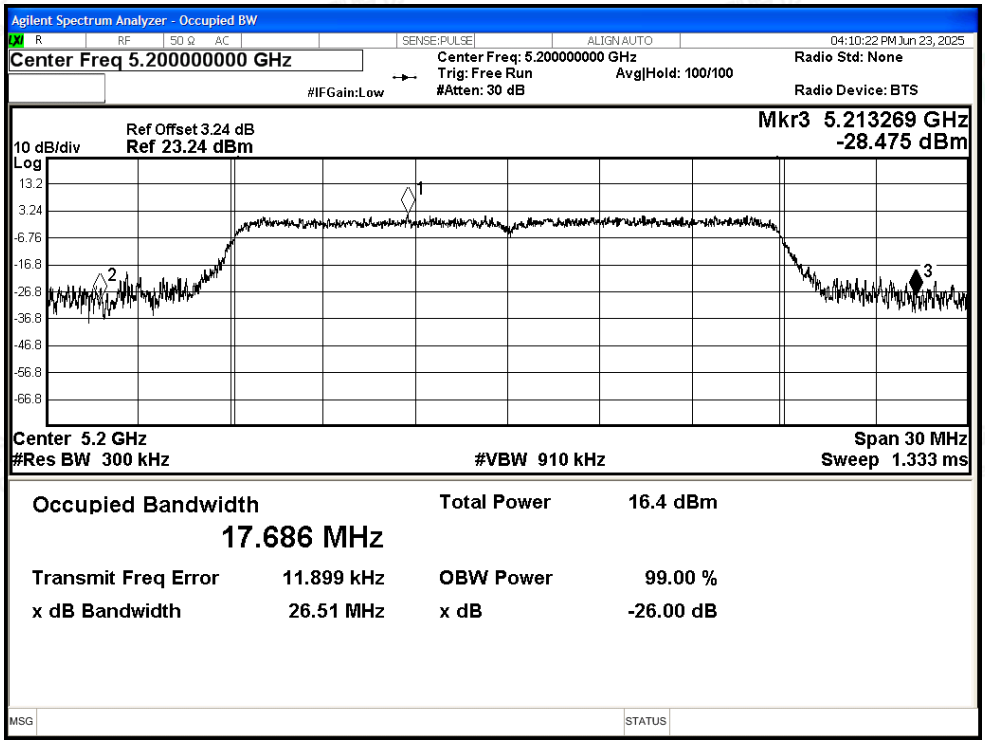
-26dB Bandwidth NVNT a 5240MHz Ant1



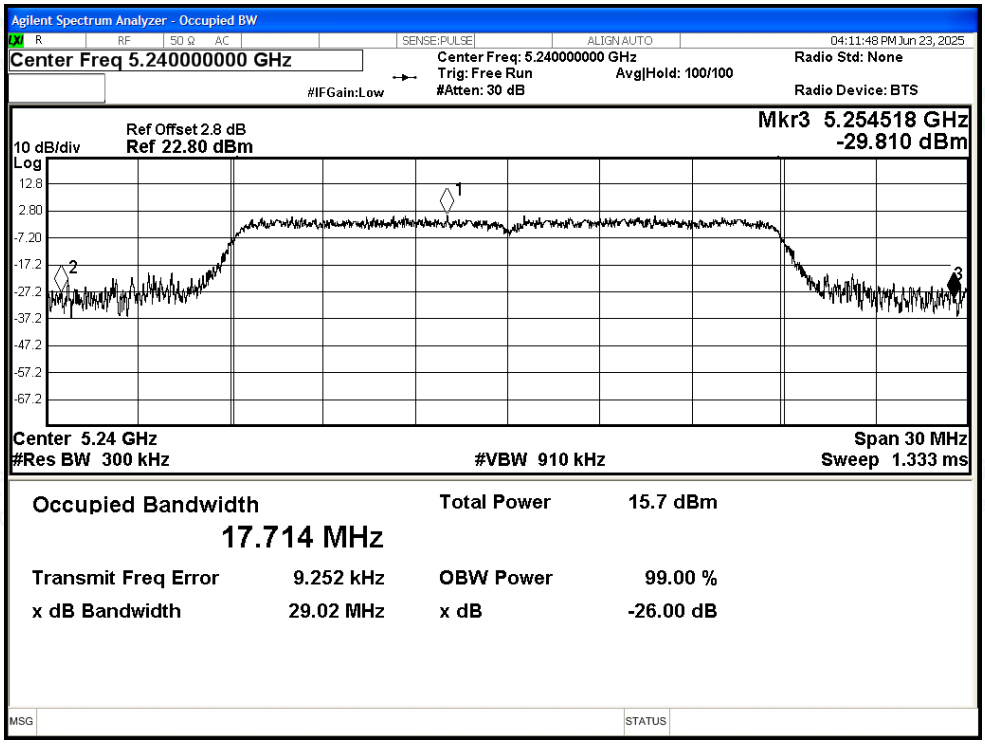
-26dB Bandwidth NVNT n20 5180MHz Ant1



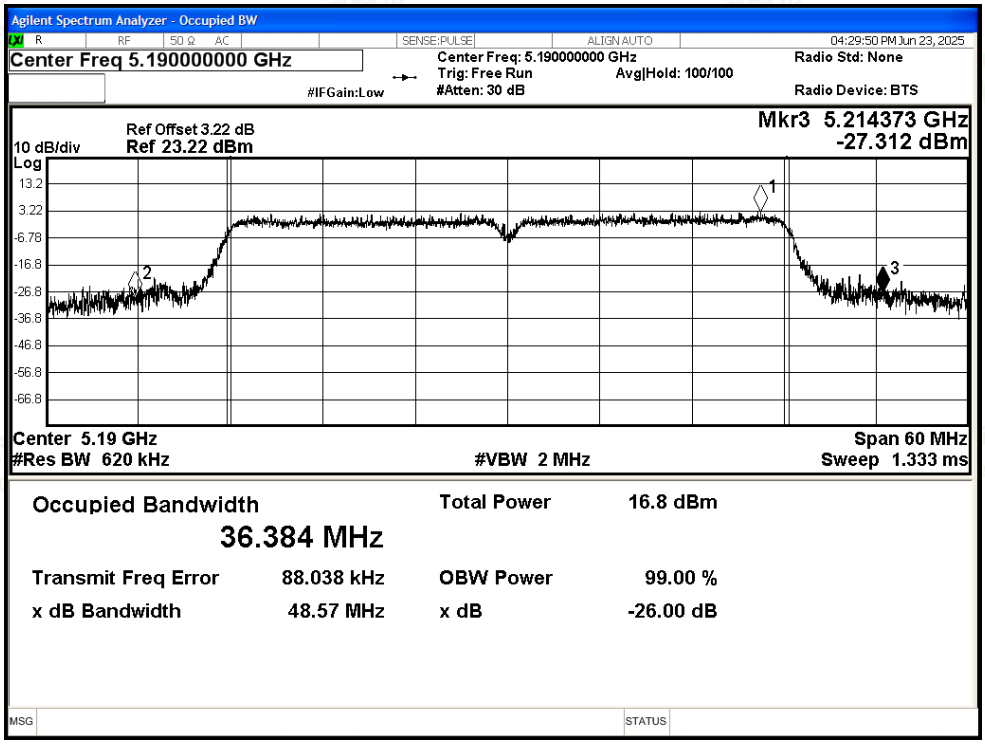
-26dB Bandwidth NVNT n20 5200MHz Ant1



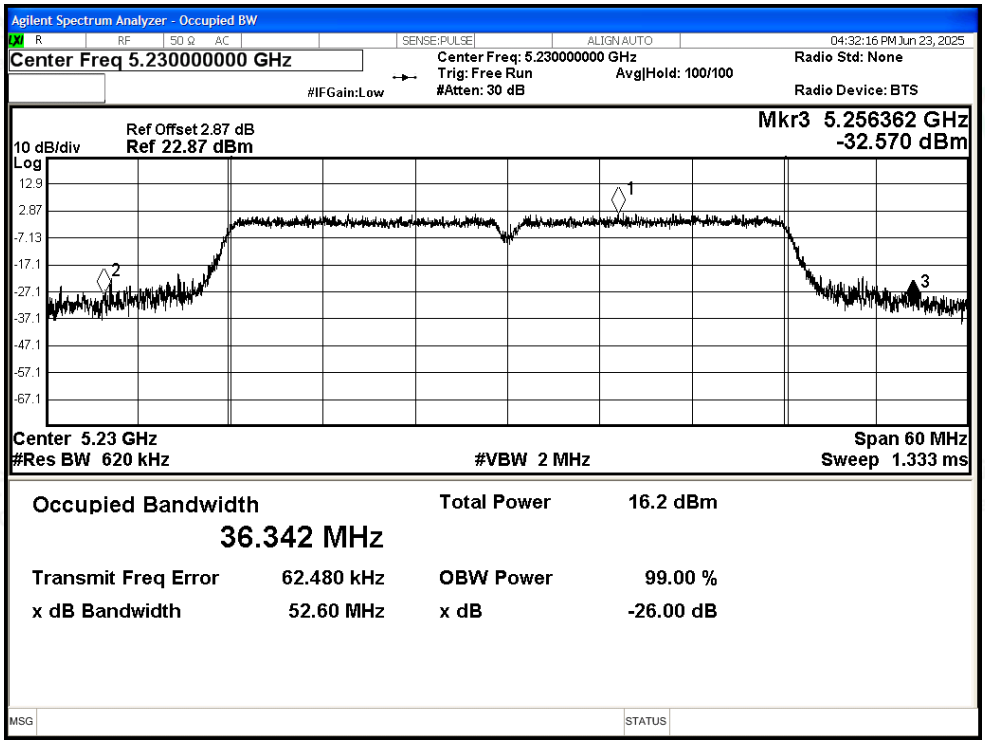
-26dB Bandwidth NVNT n20 5240MHz Ant1



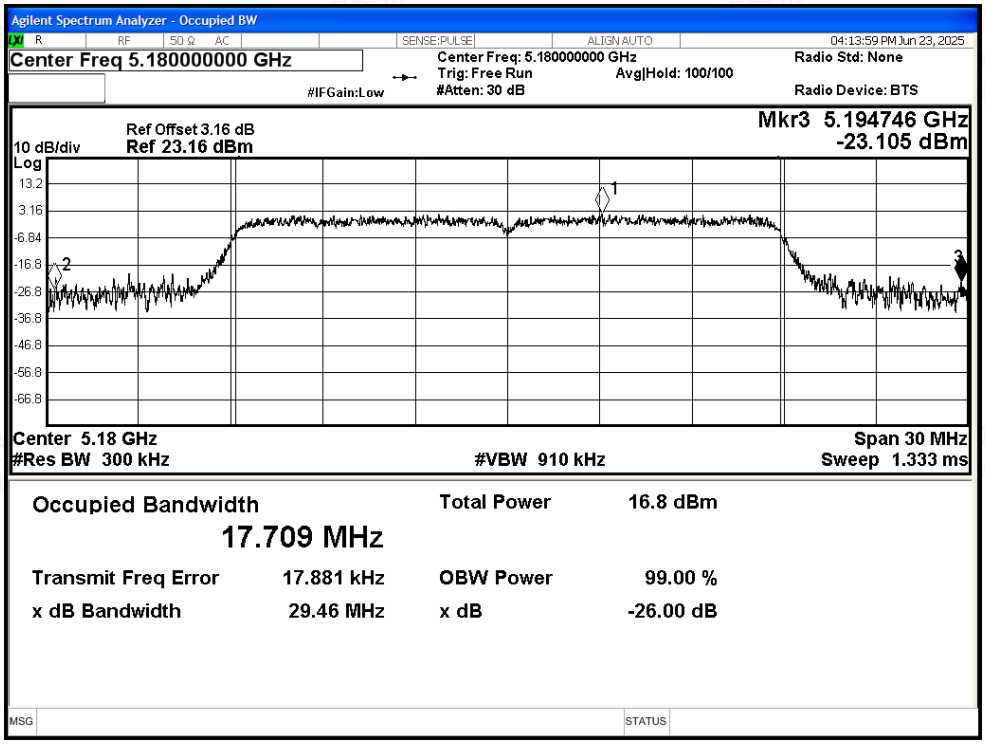
-26dB Bandwidth NVNT n40 5190MHz Ant1



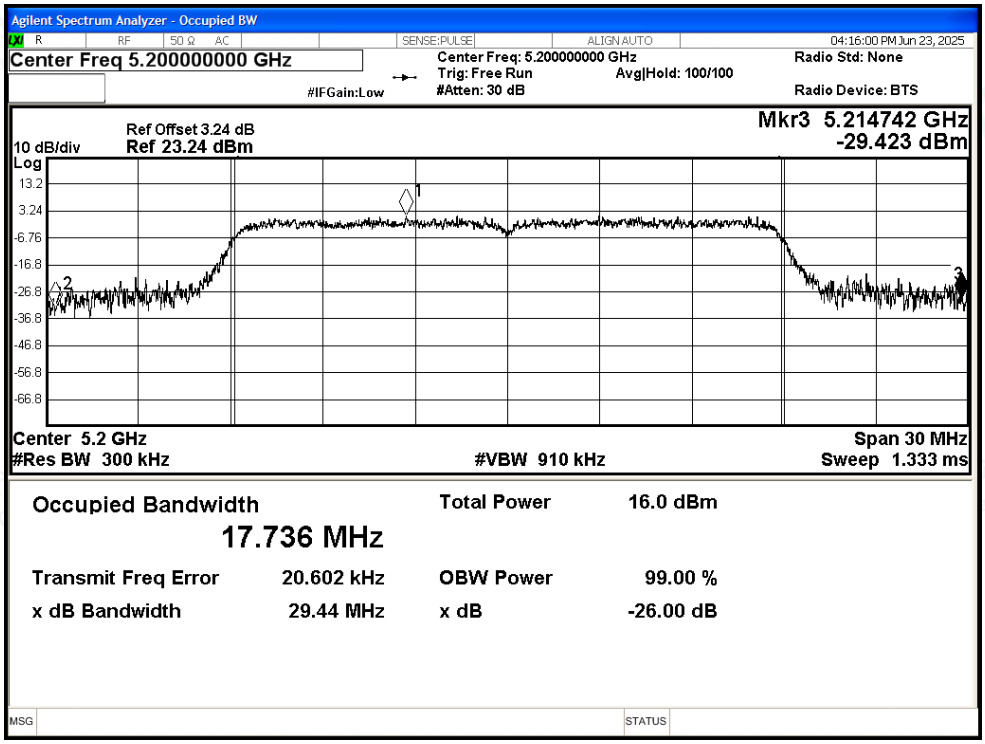
-26dB Bandwidth NVNT n40 5230MHz Ant1



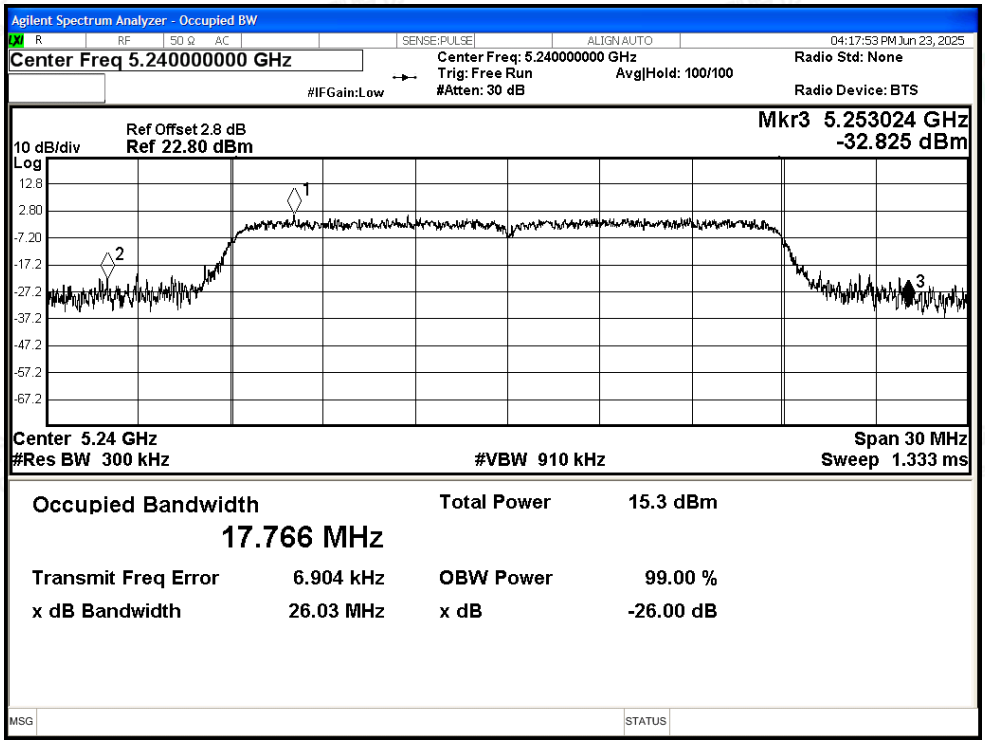
-26dB Bandwidth NVNT ac20 5180MHz Ant1



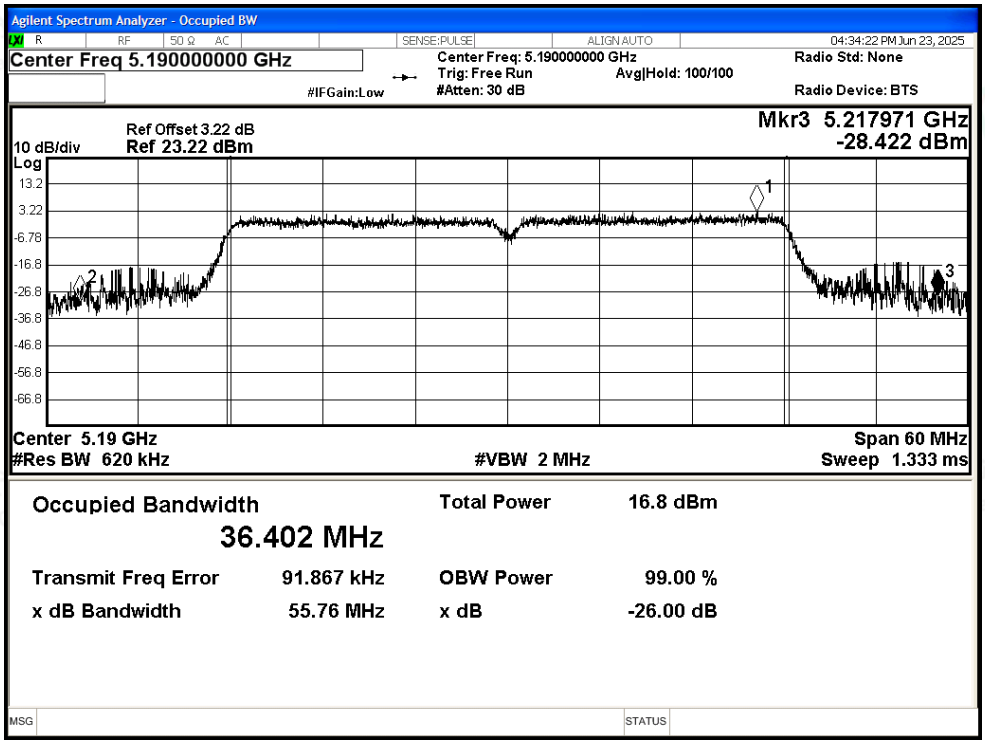
-26dB Bandwidth NVNT ac20 5200MHz Ant1



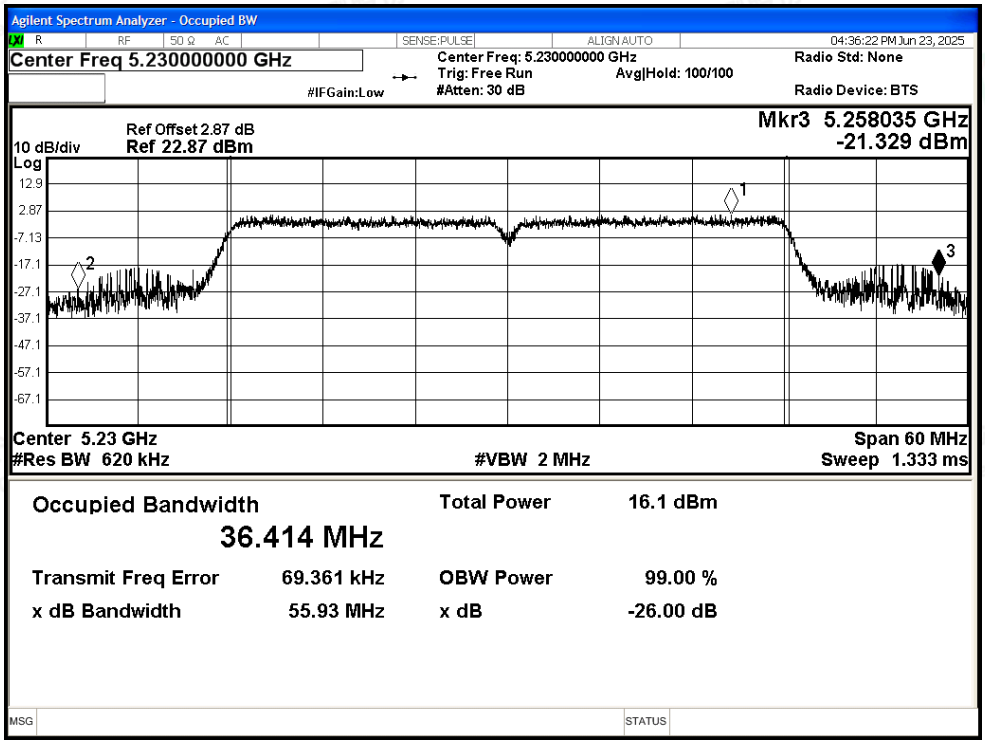
-26dB Bandwidth NVNT ac20 5240MHz Ant1



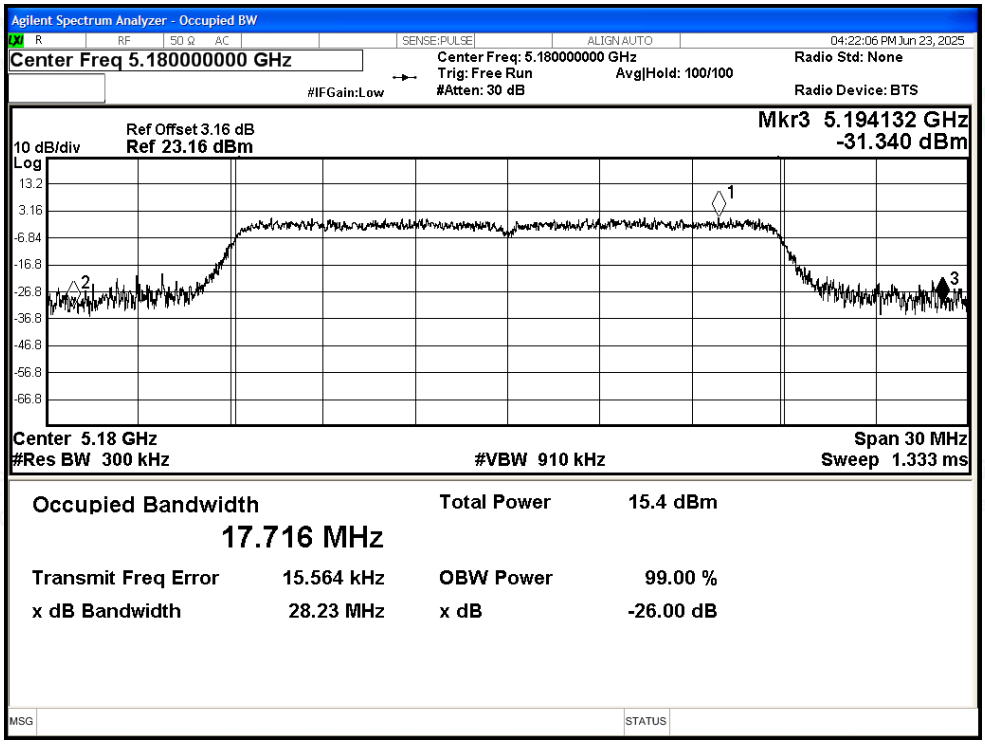
-26dB Bandwidth NVNT ac40 5190MHz Ant1



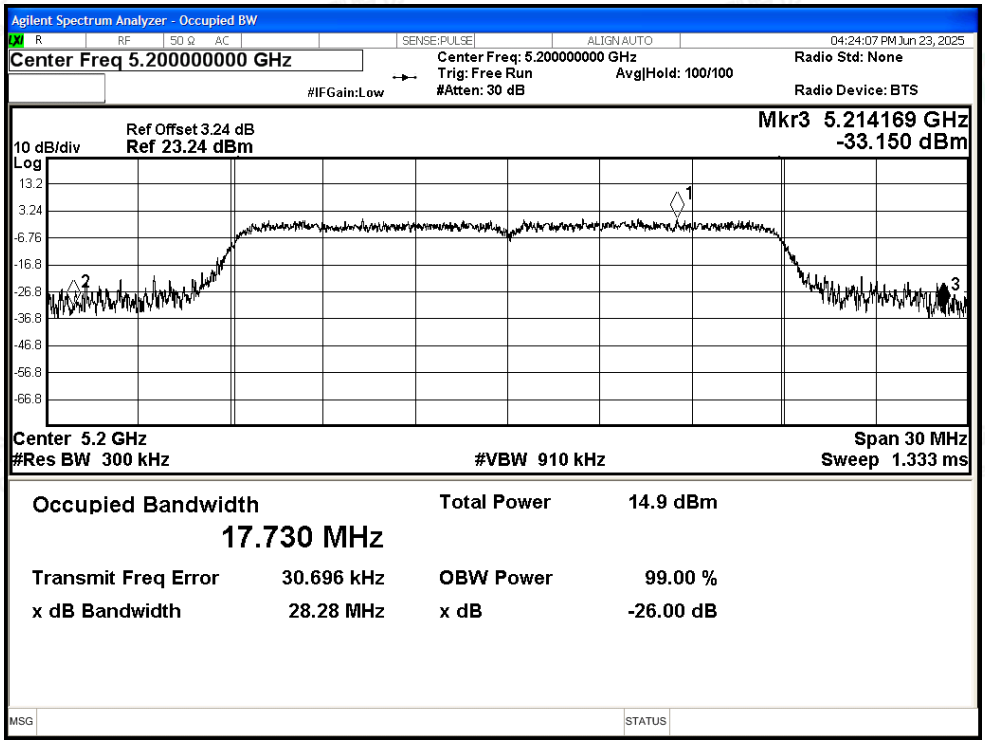
-26dB Bandwidth NVNT ac40 5230MHz Ant1



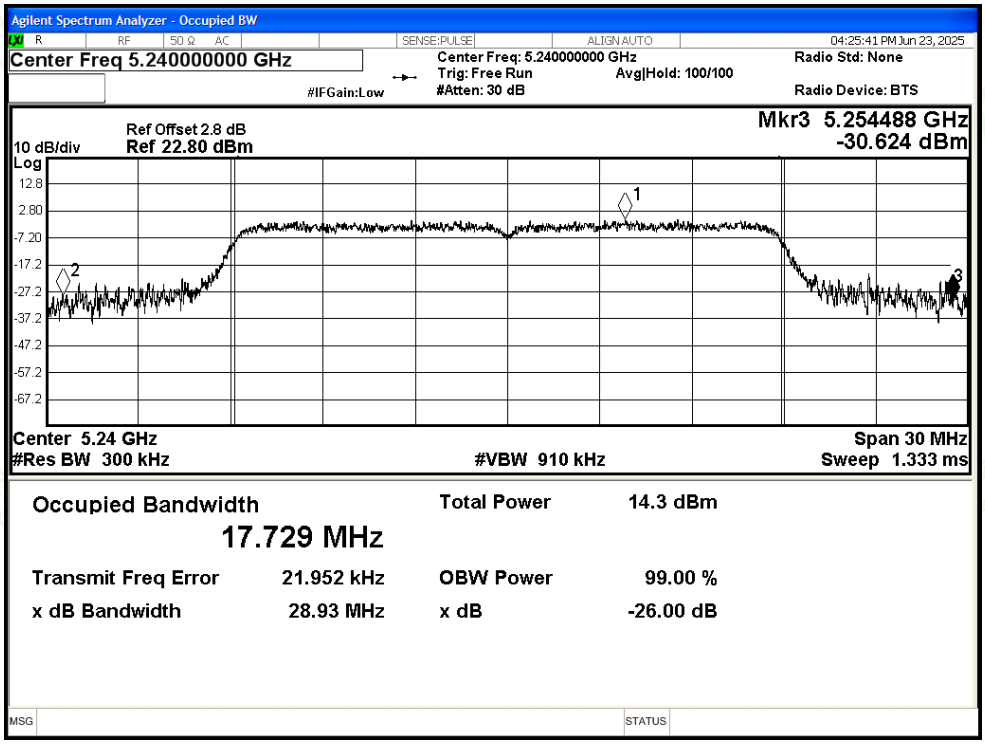
-26dB Bandwidth NVNT ax20 5180MHz Ant1



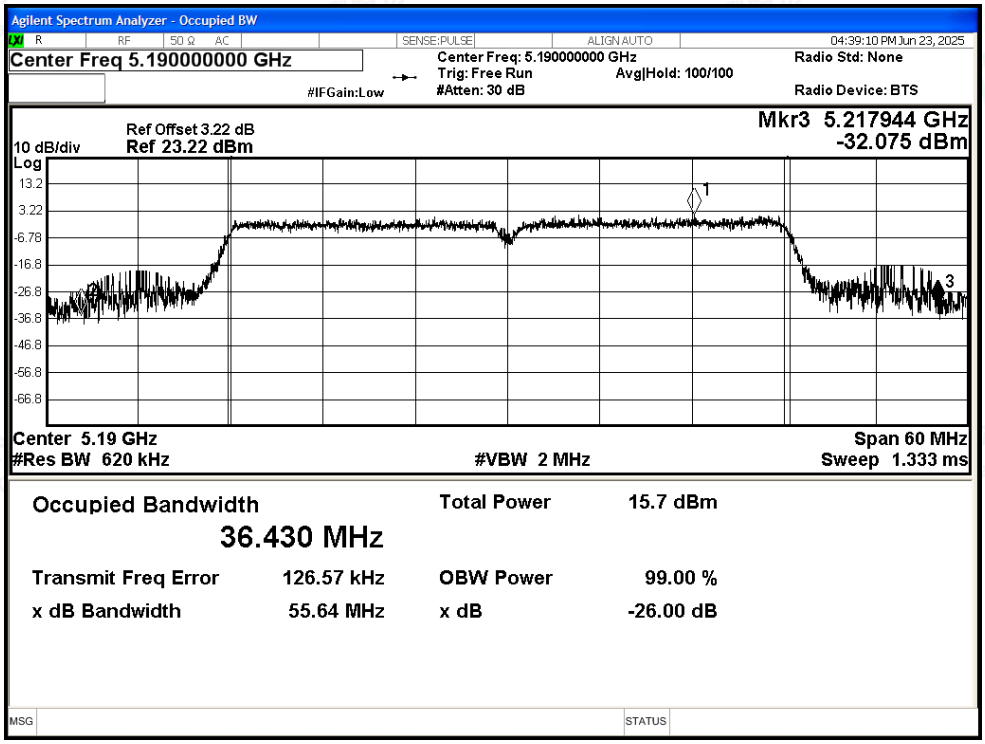
-26dB Bandwidth NVNT ax20 5200MHz Ant1



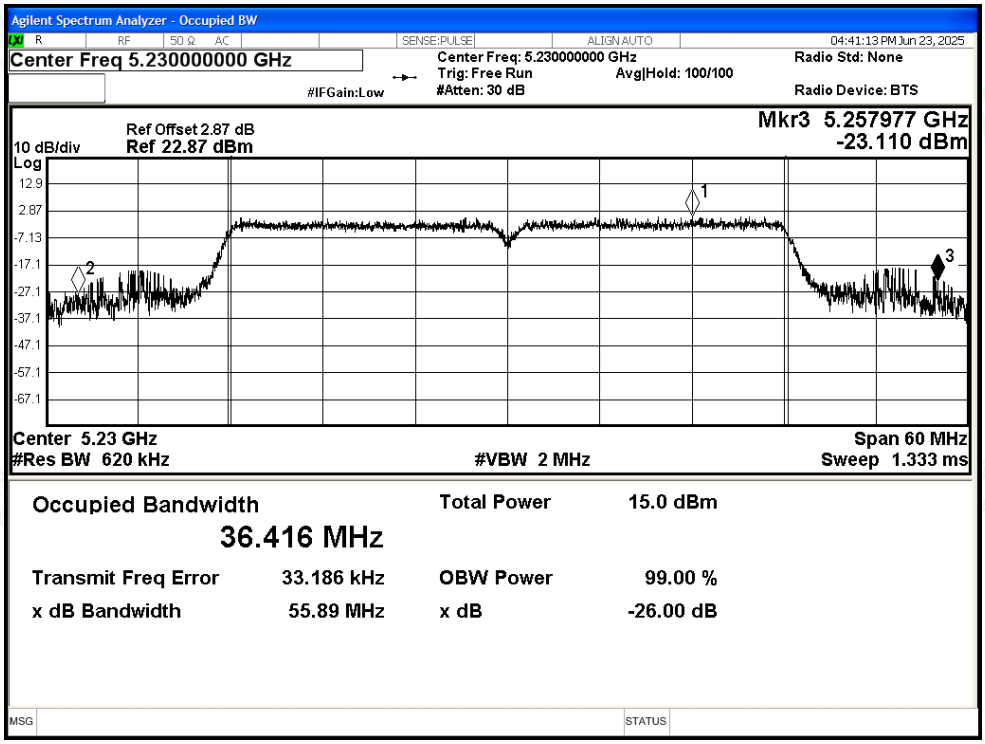
-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



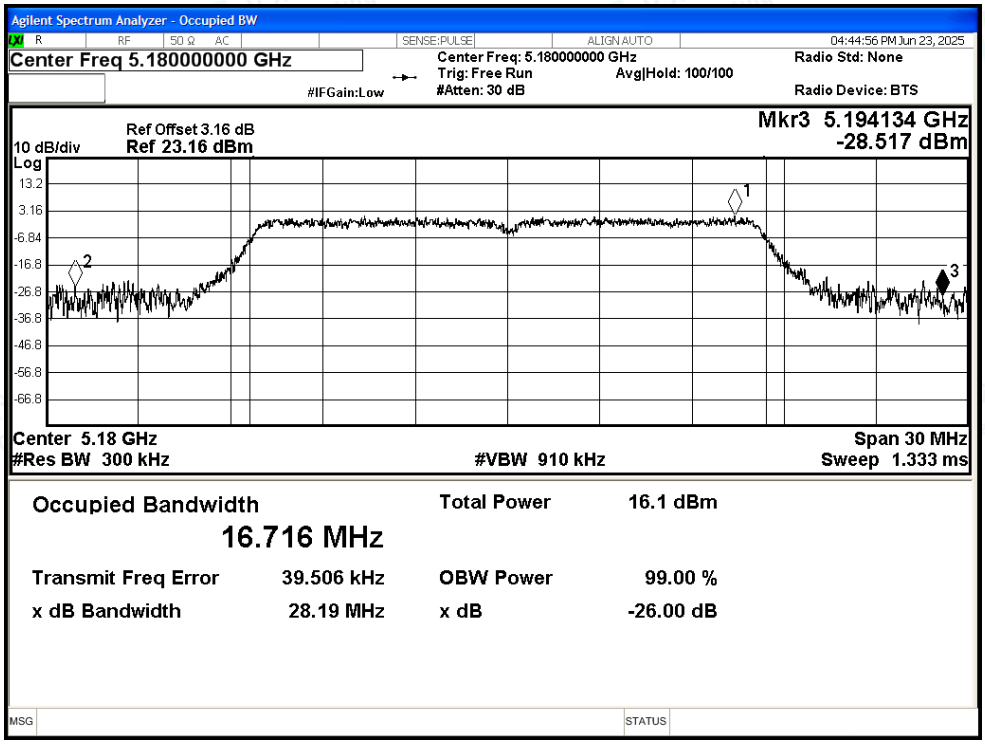
-26dB Bandwidth NVNT ax40 5230MHz Ant1



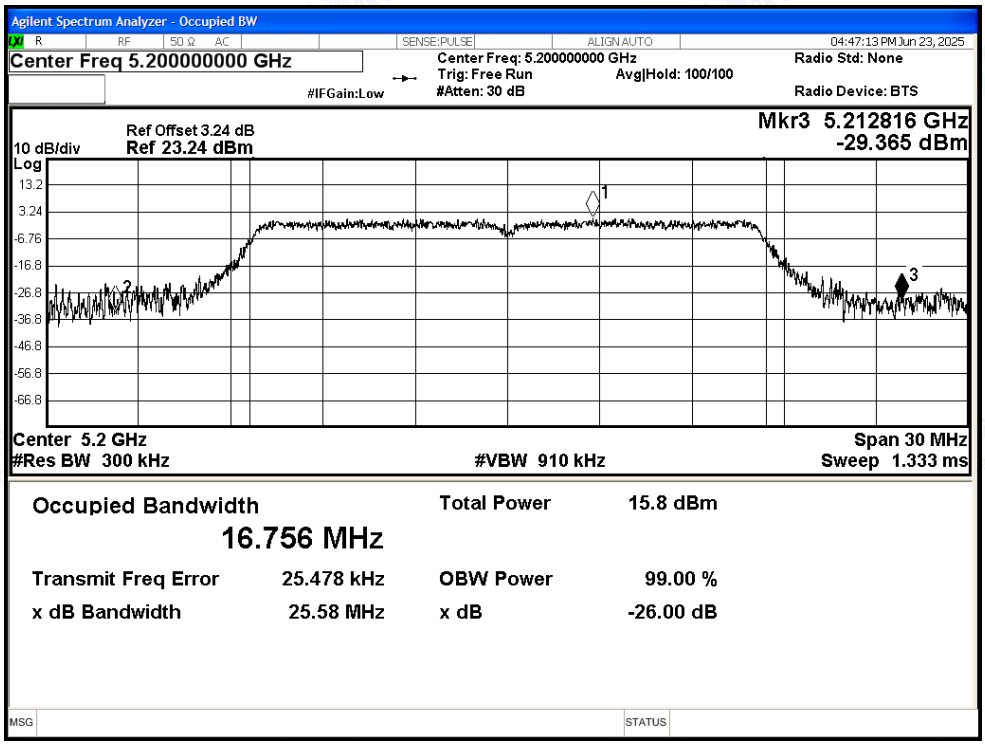
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant2	28.189	---	Pass
NVNT	a	5200	Ant2	25.581	---	Pass
NVNT	a	5240	Ant2	27.449	---	Pass
NVNT	n20	5180	Ant2	28.415	---	Pass
NVNT	n20	5200	Ant2	27.058	---	Pass
NVNT	n20	5240	Ant2	27.772	---	Pass
NVNT	n40	5190	Ant2	51.08	---	Pass
NVNT	n40	5230	Ant2	46.768	---	Pass
NVNT	ac20	5180	Ant2	28.896	---	Pass
NVNT	ac20	5200	Ant2	28.072	---	Pass
NVNT	ac20	5240	Ant2	28.758	---	Pass
NVNT	ac40	5190	Ant2	55.75	---	Pass
NVNT	ac40	5230	Ant2	55.513	---	Pass
NVNT	ax20	5180	Ant2	29.555	---	Pass
NVNT	ax20	5200	Ant2	29.236	---	Pass
NVNT	ax20	5240	Ant2	29.212	---	Pass
NVNT	ax40	5190	Ant2	56.547	---	Pass
NVNT	ax40	5230	Ant2	55.143	---	Pass

Test Graphs

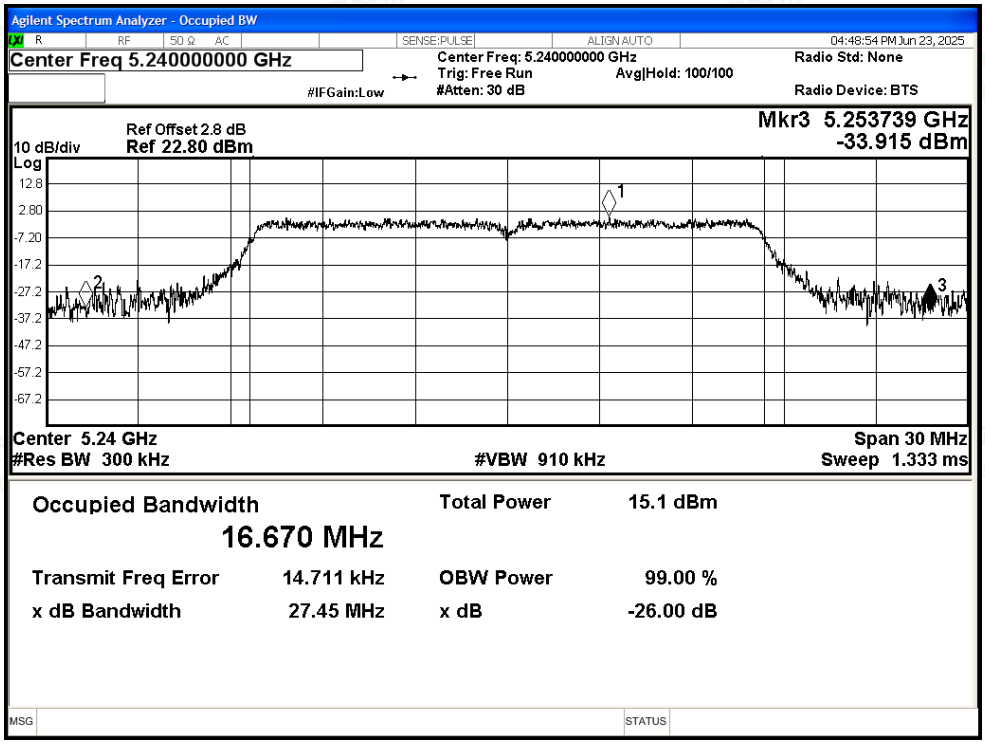
-26dB Bandwidth NVNT a 5180MHz Ant2



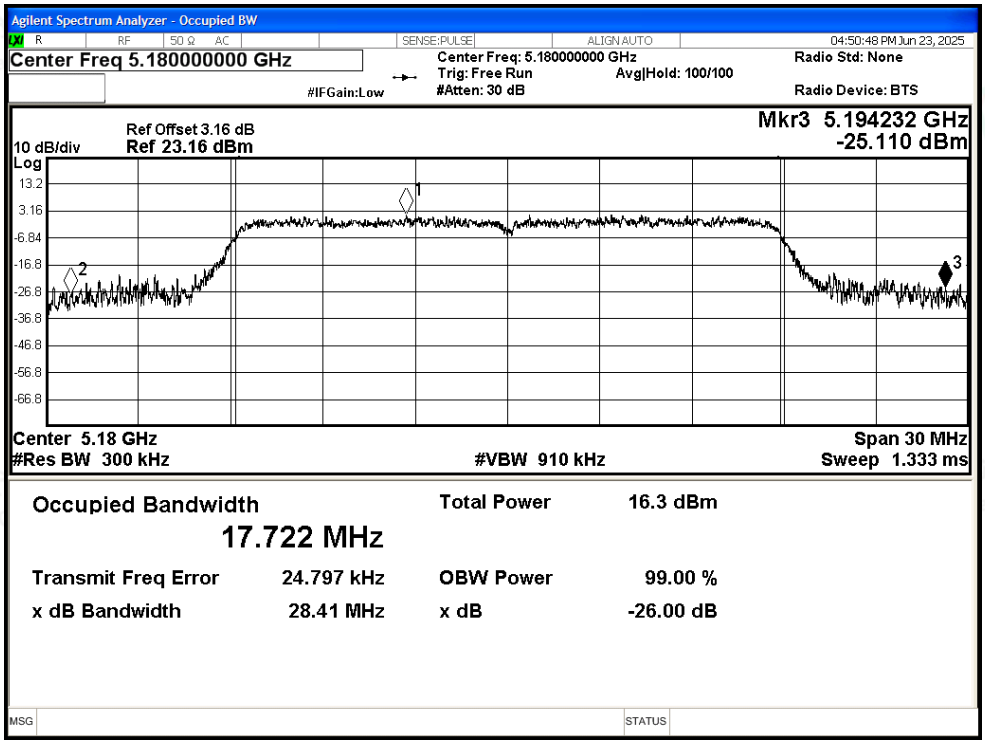
-26dB Bandwidth NVNT a 5200MHz Ant2



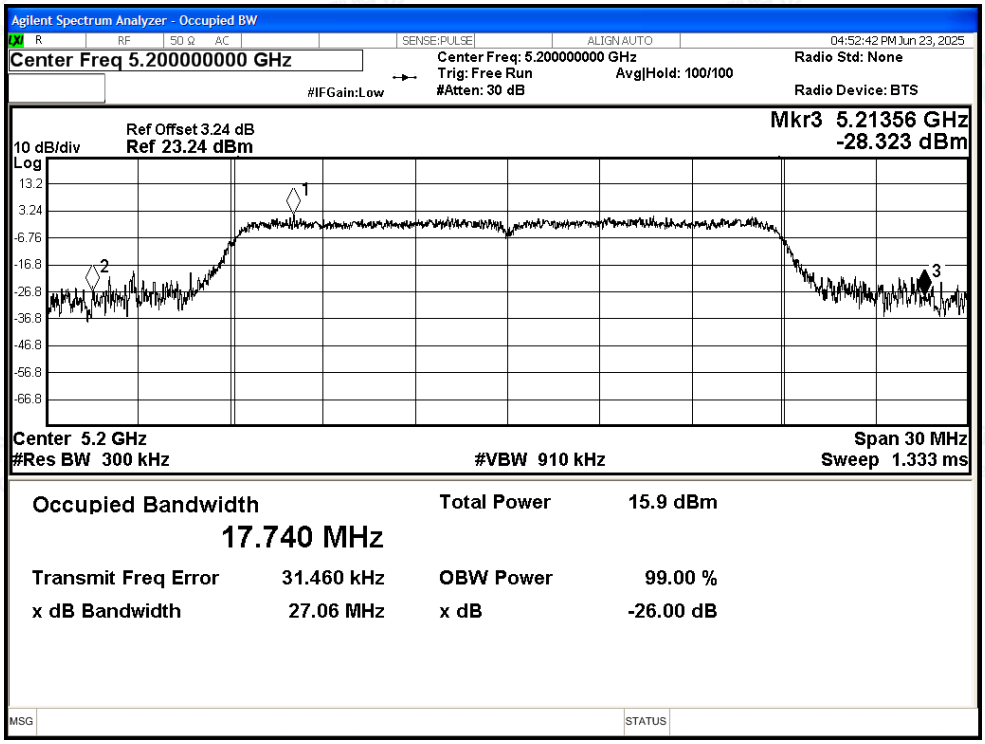
-26dB Bandwidth NVNT a 5240MHz Ant2



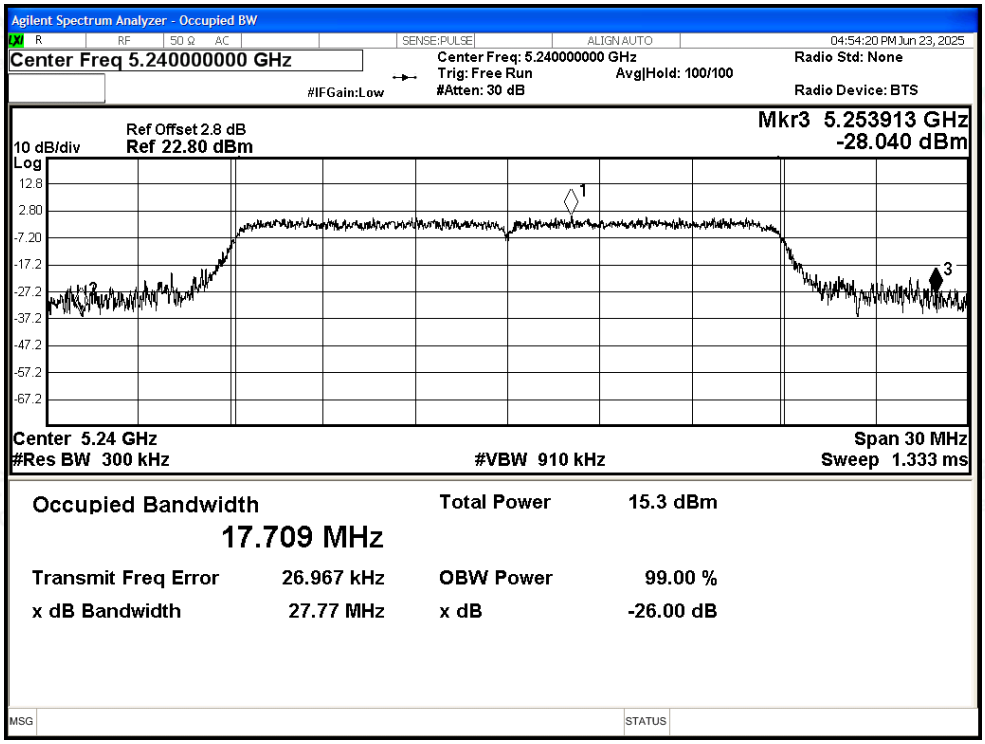
-26dB Bandwidth NVNT n20 5180MHz Ant2



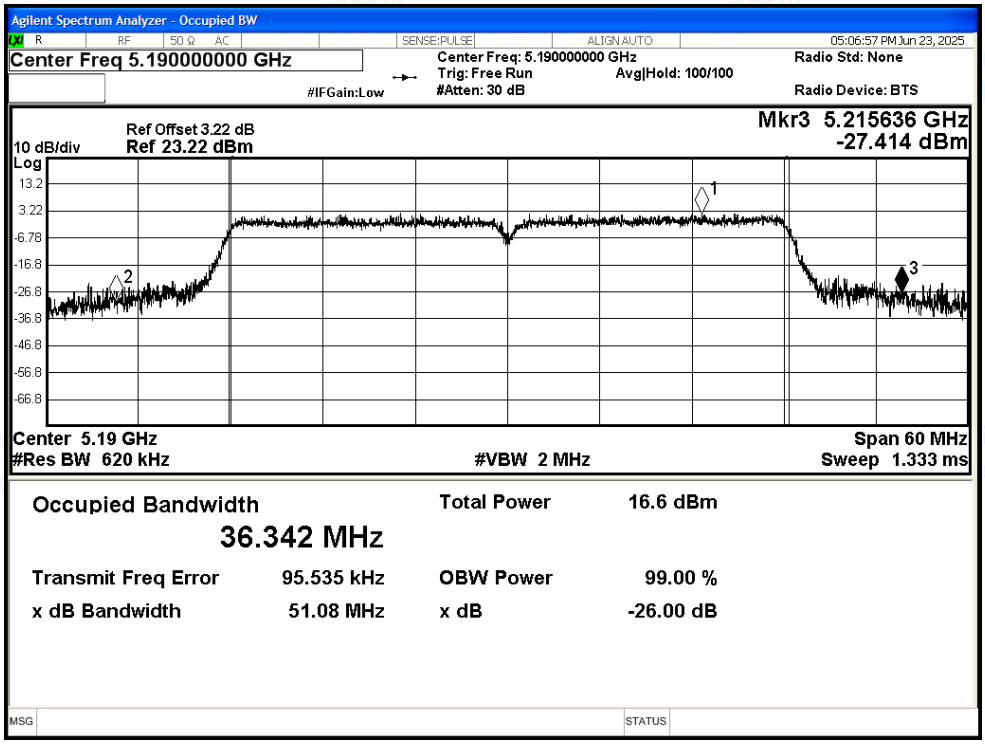
-26dB Bandwidth NVNT n20 5200MHz Ant2



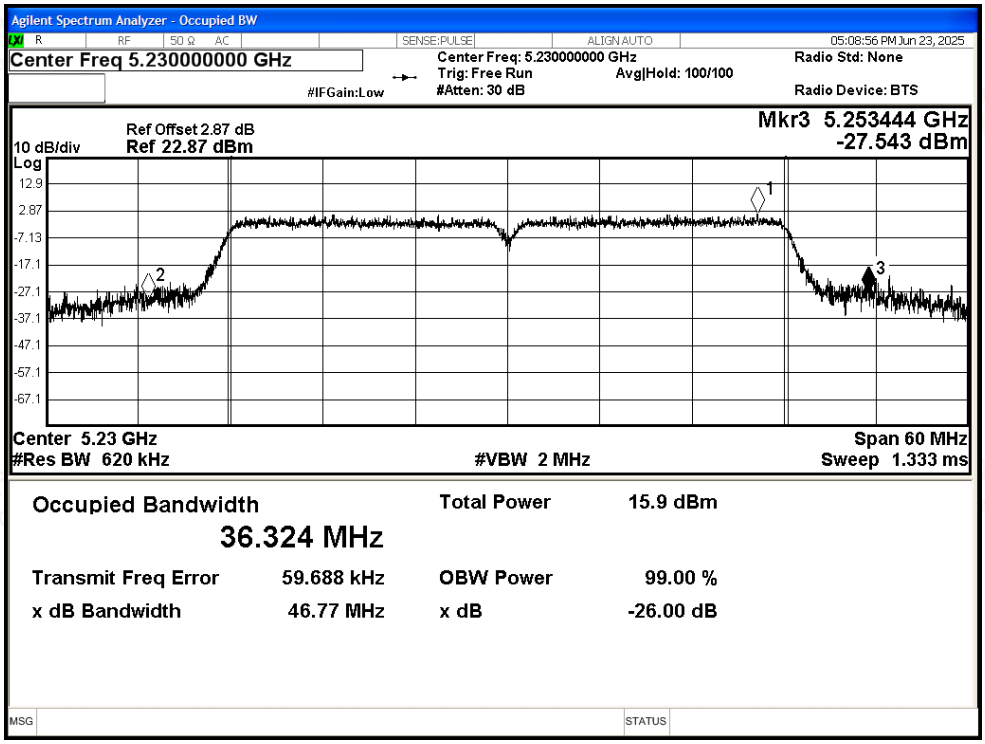
-26dB Bandwidth NVNT n20 5240MHz Ant2



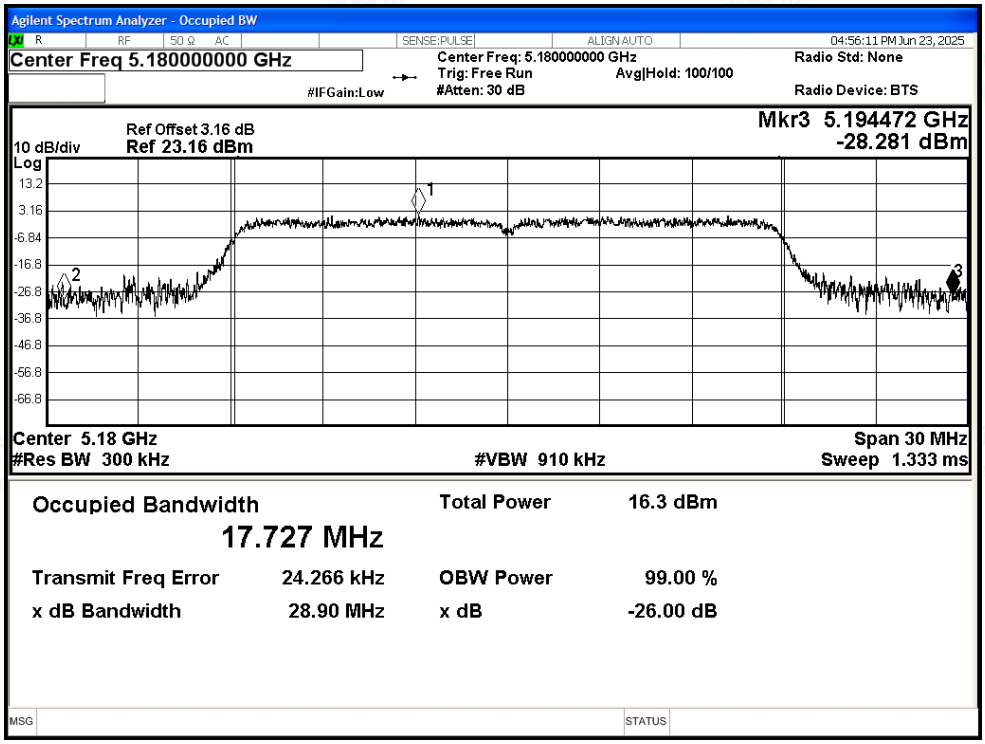
-26dB Bandwidth NVNT n40 5190MHz Ant2



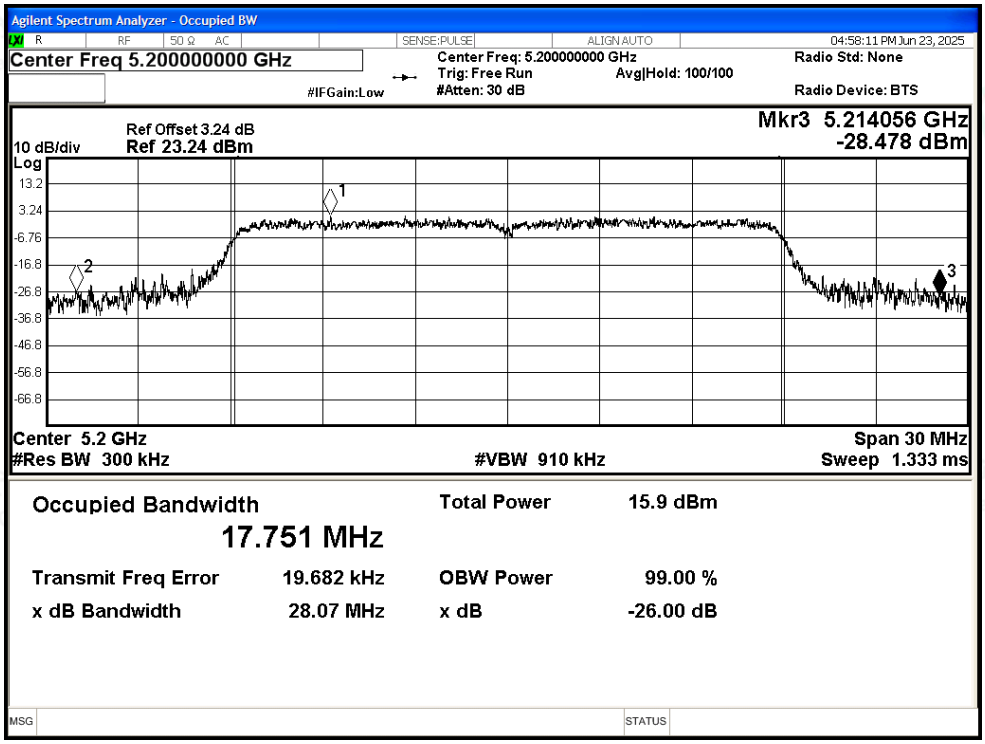
-26dB Bandwidth NVNT n40 5230MHz Ant2



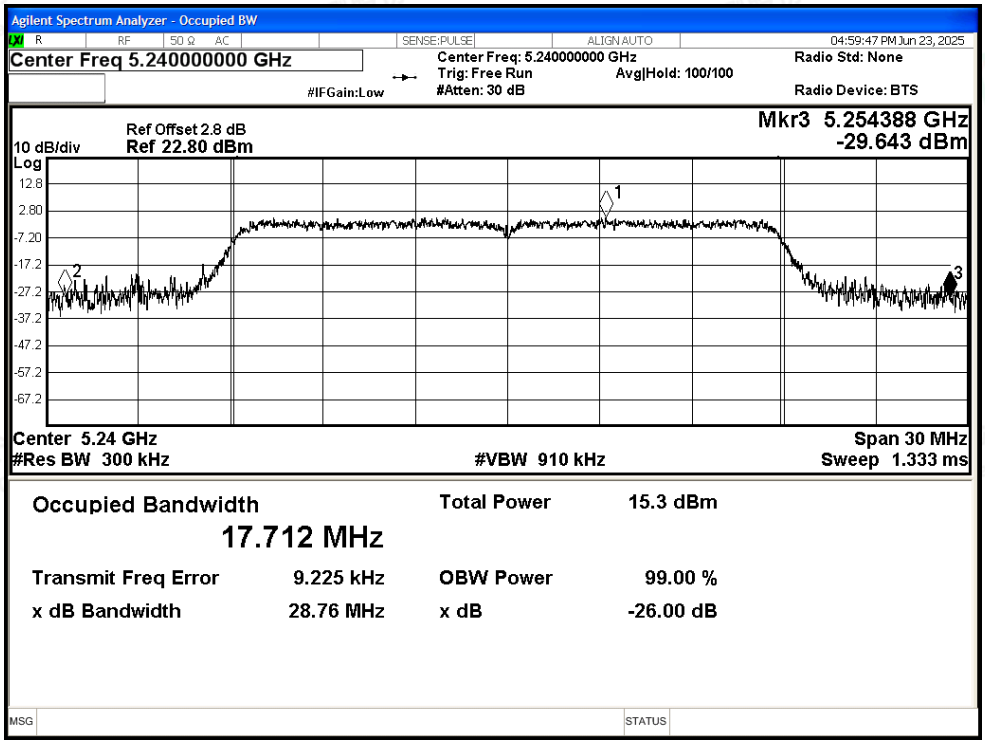
-26dB Bandwidth NVNT ac20 5180MHz Ant2



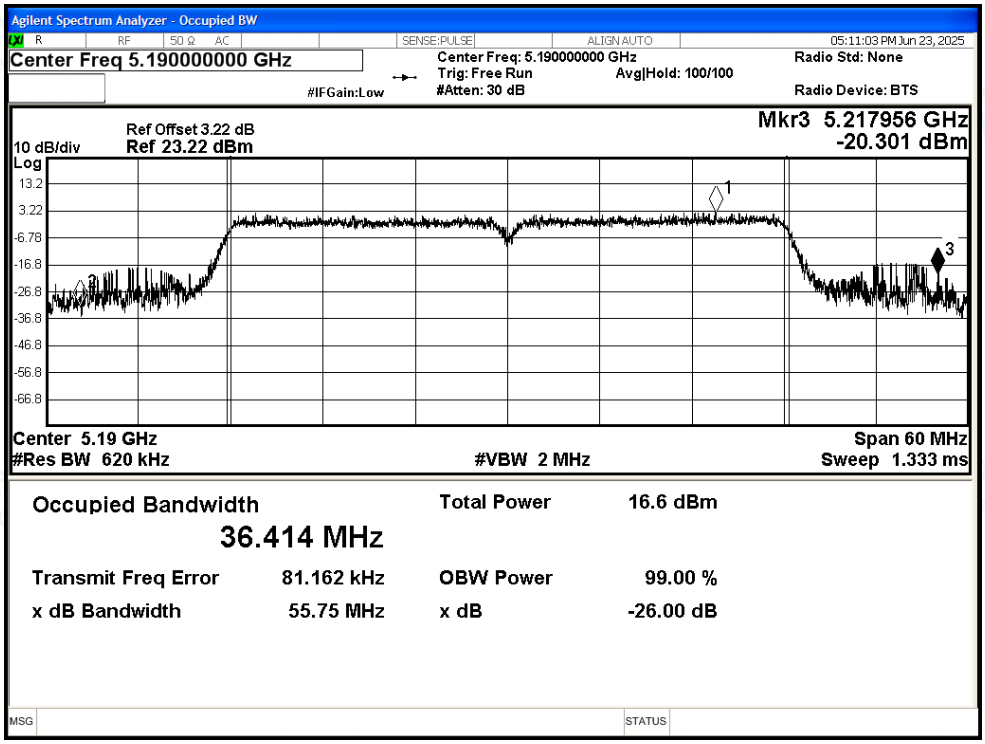
-26dB Bandwidth NVNT ac20 5200MHz Ant2



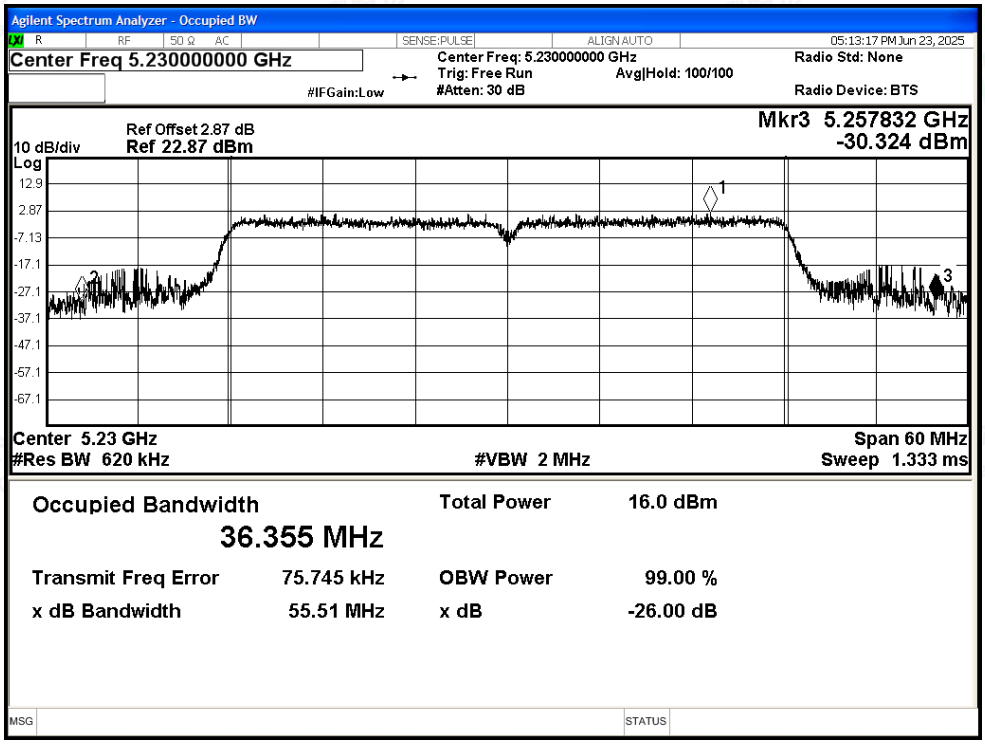
-26dB Bandwidth NVNT ac20 5240MHz Ant2



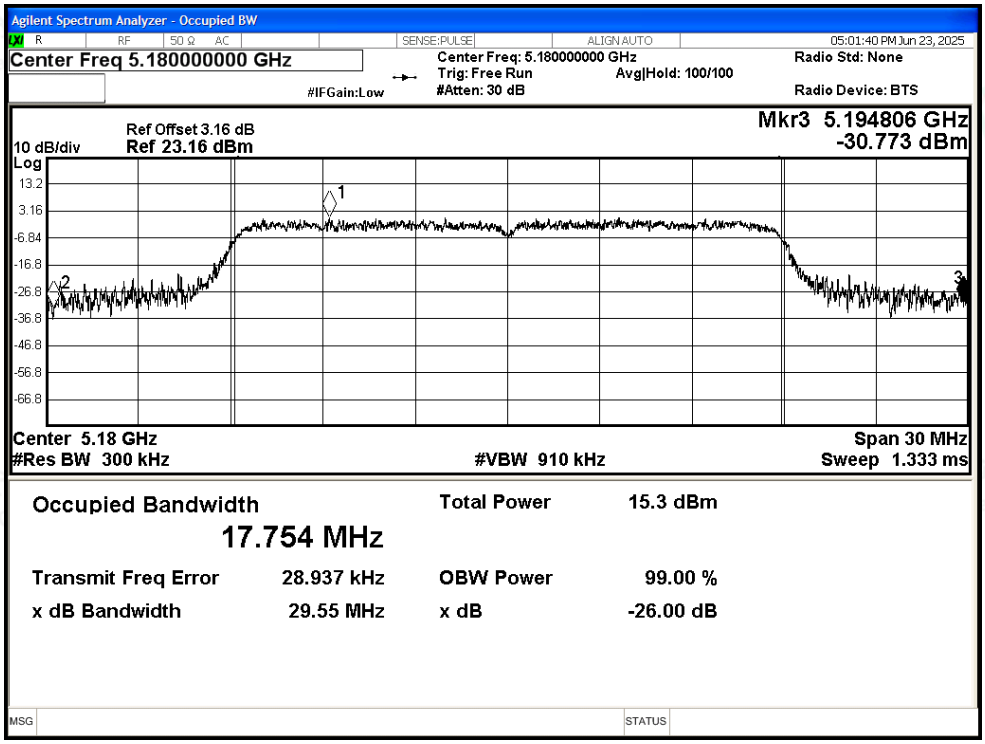
-26dB Bandwidth NVNT ac40 5190MHz Ant2



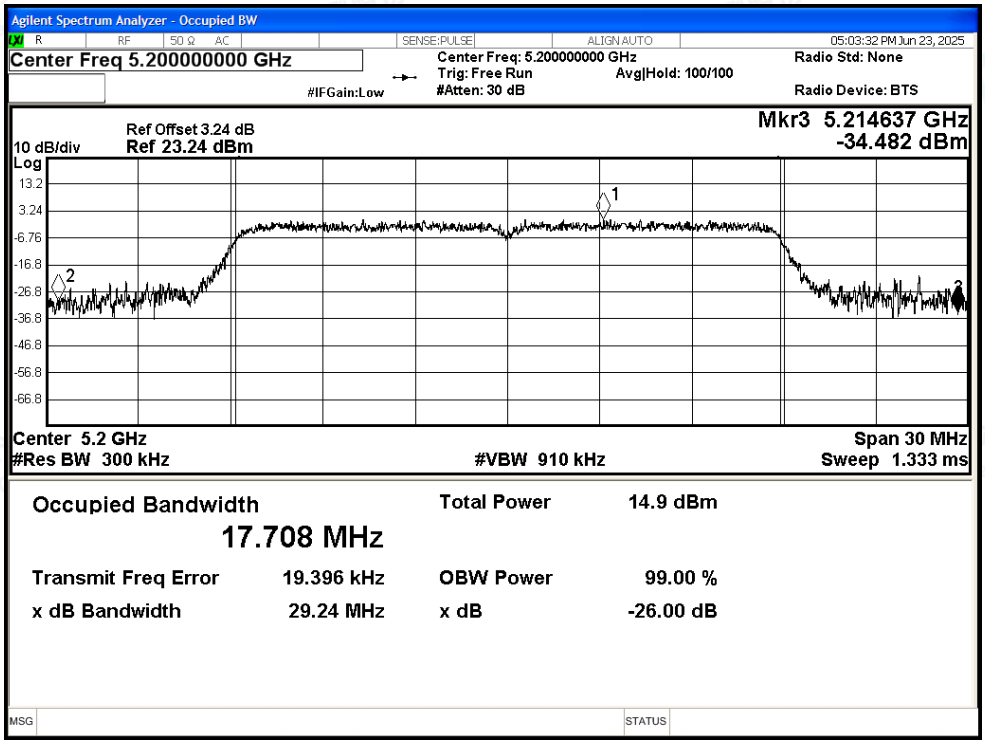
-26dB Bandwidth NVNT ac40 5230MHz Ant2



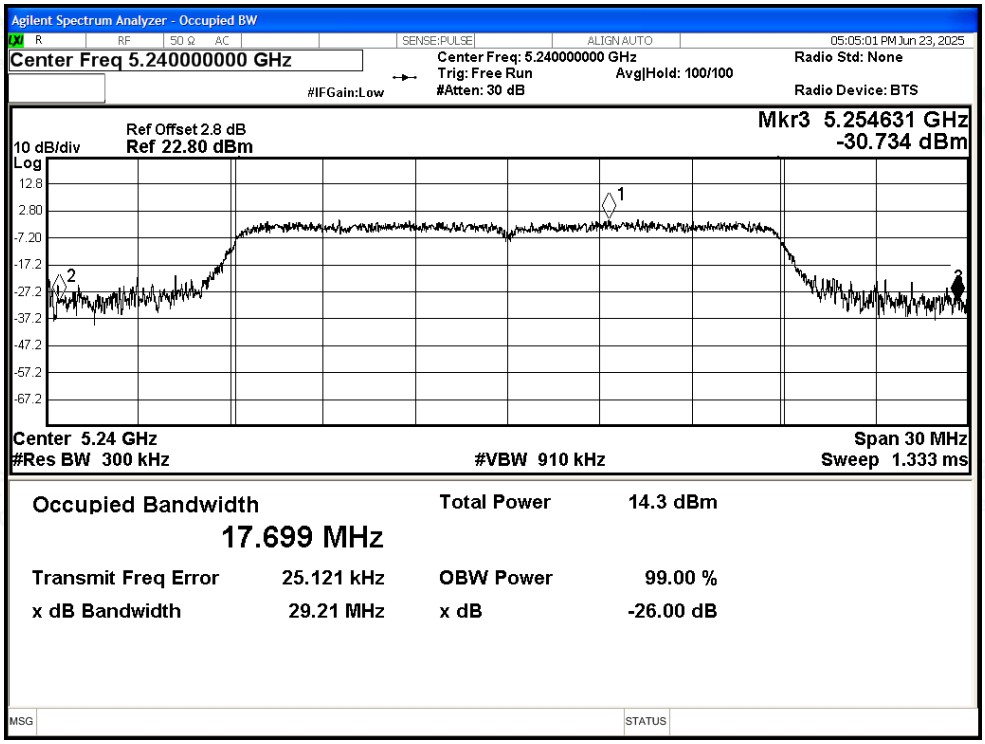
-26dB Bandwidth NVNT ax20 5180MHz Ant2



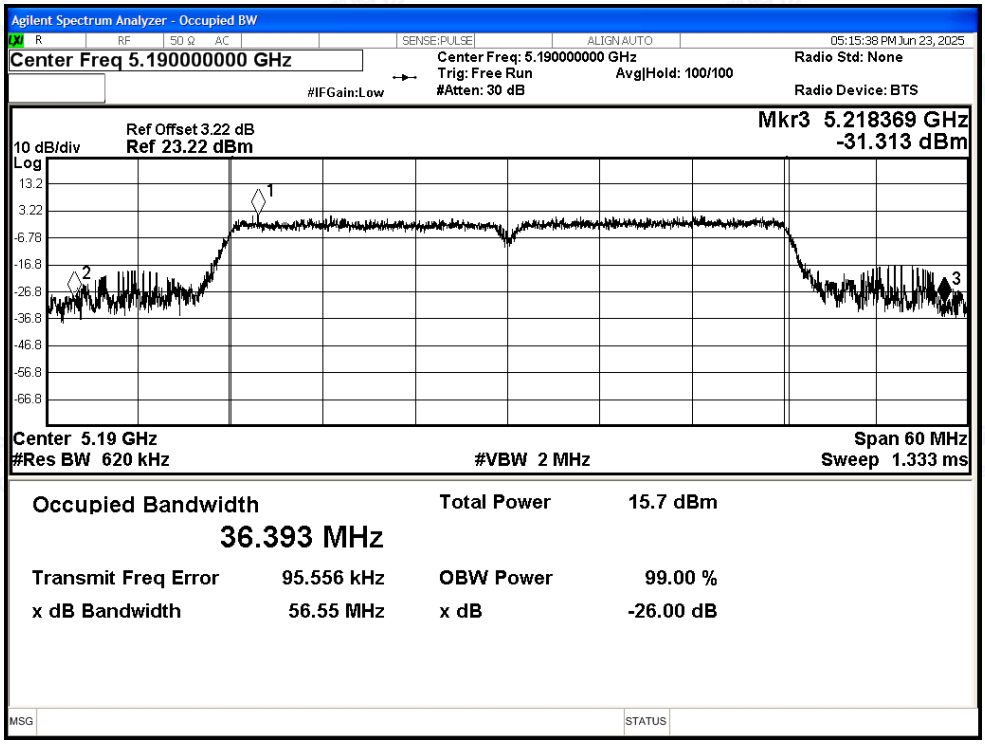
-26dB Bandwidth NVNT ax20 5200MHz Ant2



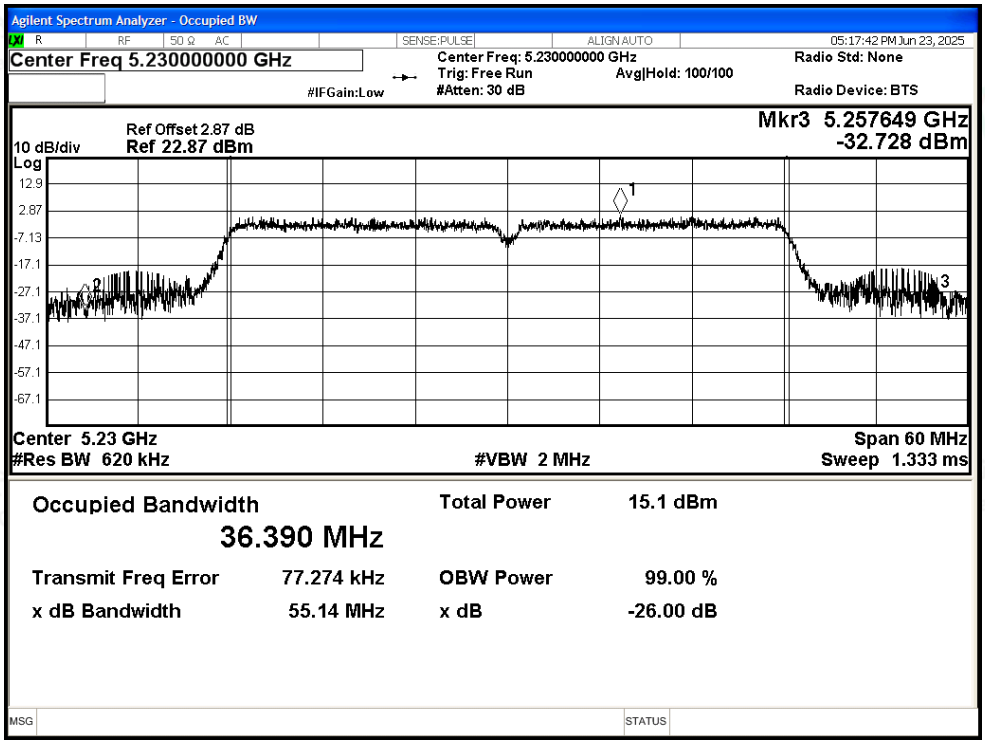
-26dB Bandwidth NVNT ax20 5240MHz Ant2



-26dB Bandwidth NVNT ax40 5190MHz Ant2



-26dB Bandwidth NVNT ax40 5230MHz Ant2



D.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	10.75	0.24	10.99	24	Pass
NVNT	a	5200	Ant1	10.48	0.24	10.72	24	Pass
NVNT	a	5240	Ant1	9.66	0.24	9.9	24	Pass
NVNT	n20	5180	Ant1	11.07	0.28	11.35	24	Pass
NVNT	n20	5200	Ant1	10.74	0.28	11.02	24	Pass
NVNT	n20	5240	Ant1	9.96	0.28	10.24	24	Pass
NVNT	n40	5190	Ant1	10.32	0.54	10.86	24	Pass
NVNT	n40	5230	Ant1	9.42	0.54	9.96	24	Pass
NVNT	ac20	5180	Ant1	11.09	0.28	11.37	24	Pass
NVNT	ac20	5200	Ant1	10.36	0.28	10.64	24	Pass
NVNT	ac20	5240	Ant1	9.54	0.28	9.82	24	Pass
NVNT	ac40	5190	Ant1	10.24	0.53	10.77	24	Pass
NVNT	ac40	5230	Ant1	9.39	0.53	9.92	24	Pass
NVNT	ax20	5180	Ant1	9.76	0.28	10.04	24	Pass
NVNT	ax20	5200	Ant1	9.28	0.28	9.56	24	Pass
NVNT	ax20	5240	Ant1	8.62	0.28	8.9	24	Pass
NVNT	ax40	5190	Ant1	9.19	0.53	9.72	24	Pass
NVNT	ax40	5230	Ant1	8.34	0.53	8.87	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	10.39	0.24	10.63	24	Pass
NVNT	a	5200	Ant2	10.07	0.24	10.31	24	Pass
NVNT	a	5240	Ant2	9.27	0.24	9.51	24	Pass
NVNT	n20	5180	Ant2	10.7	0.28	10.98	24	Pass
NVNT	n20	5200	Ant2	10.21	0.28	10.49	24	Pass
NVNT	n20	5240	Ant2	9.62	0.28	9.9	24	Pass
NVNT	n40	5190	Ant2	10	0.54	10.54	24	Pass
NVNT	n40	5230	Ant2	9.2	0.55	9.75	24	Pass
NVNT	ac20	5180	Ant2	10.6	0.28	10.88	24	Pass
NVNT	ac20	5200	Ant2	10.25	0.28	10.53	24	Pass
NVNT	ac20	5240	Ant2	9.57	0.28	9.85	24	Pass
NVNT	ac40	5190	Ant2	10.05	0.53	10.58	24	Pass
NVNT	ac40	5230	Ant2	9.3	0.53	9.83	24	Pass
NVNT	ax20	5180	Ant1	9.59	0.28	9.87	24	Pass
NVNT	ax20	5200	Ant1	9.21	0.28	9.49	24	Pass
NVNT	ax20	5240	Ant1	8.55	0.28	8.83	24	Pass
NVNT	ax40	5190	Ant1	9.19	0.53	9.72	24	Pass
NVNT	ax40	5230	Ant1	8.35	0.53	8.88	24	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	11.35	10.98	14.18	30	Pass
NVNT	n20	5200	11.02	10.49	13.77	30	Pass
NVNT	n20	5240	10.24	9.9	13.08	30	Pass
NVNT	n40	5190	10.86	10.54	13.71	30	Pass
NVNT	n40	5230	9.96	9.75	12.87	30	Pass
NVNT	ac20	5180	11.37	10.88	14.14	30	Pass
NVNT	ac20	5200	10.64	10.53	13.60	30	Pass
NVNT	ac20	5240	9.82	9.85	12.85	30	Pass
NVNT	ac40	5190	10.77	10.58	13.69	30	Pass
NVNT	ac40	5230	9.92	9.83	12.89	30	Pass
NVNT	ax20	5180	10.04	9.87	12.97	30	Pass
NVNT	ax20	5200	9.56	9.49	12.54	30	Pass
NVNT	ax20	5240	8.9	8.83	11.88	30	Pass
NVNT	ax40	5190	9.72	9.72	12.73	30	Pass
NVNT	ax40	5230	8.87	8.88	11.89	30	Pass

D.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	0.33	0.24	0.57	11	Pass
NVNT	a	5200	Ant1	-0.29	0.24	-0.05	11	Pass
NVNT	a	5240	Ant1	-0.85	0.24	-0.61	11	Pass
NVNT	n20	5180	Ant1	0.39	0.28	0.67	11	Pass
NVNT	n20	5200	Ant1	-0.13	0.28	0.15	11	Pass
NVNT	n20	5240	Ant1	-0.89	0.28	-0.61	11	Pass
NVNT	n40	5190	Ant1	-3.06	0.54	-2.52	11	Pass
NVNT	n40	5230	Ant1	-3.78	0.54	-3.24	11	Pass
NVNT	ac20	5180	Ant1	0.24	0.28	0.52	11	Pass
NVNT	ac20	5200	Ant1	-0.46	0.28	-0.18	11	Pass
NVNT	ac20	5240	Ant1	-1.24	0.28	-0.96	11	Pass
NVNT	ac40	5190	Ant1	-3.24	0.53	-2.71	11	Pass
NVNT	ac40	5230	Ant1	-4.14	0.53	-3.61	11	Pass
NVNT	ax20	5180	Ant1	-0.9	0.28	-0.62	11	Pass
NVNT	ax20	5200	Ant1	-1.52	0.28	-1.24	11	Pass
NVNT	ax20	5240	Ant1	-2.16	0.28	-1.88	11	Pass
NVNT	ax40	5190	Ant1	-4.36	0.53	-3.83	11	Pass
NVNT	ax40	5230	Ant1	-5.15	0.53	-4.62	11	Pass

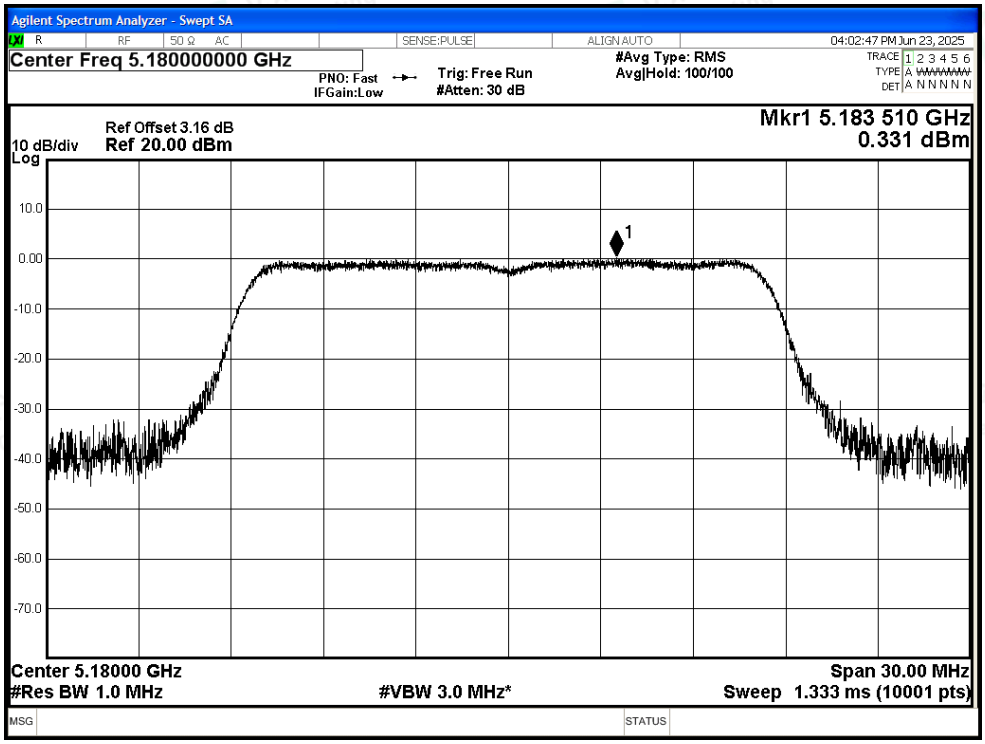
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant2	0.07	0.24	0.31	11	Pass
NVNT	a	5200	Ant2	-0.68	0.24	-0.44	11	Pass
NVNT	a	5240	Ant2	-1.17	0.24	-0.93	11	Pass
NVNT	n20	5180	Ant2	0.06	0.28	0.34	11	Pass
NVNT	n20	5200	Ant2	-0.45	0.28	-0.17	11	Pass
NVNT	n20	5240	Ant2	-1.22	0.28	-0.94	11	Pass
NVNT	n40	5190	Ant2	-3.17	0.54	-2.63	11	Pass
NVNT	n40	5230	Ant2	-4.2	0.55	-3.65	11	Pass
NVNT	ac20	5180	Ant2	-0.18	0.28	0.1	11	Pass
NVNT	ac20	5200	Ant2	-0.22	0.28	0.06	11	Pass
NVNT	ac20	5240	Ant2	-0.94	0.28	-0.66	11	Pass
NVNT	ac40	5190	Ant2	-3.32	0.53	-2.79	11	Pass
NVNT	ac40	5230	Ant2	-4.2	0.53	-3.67	11	Pass
NVNT	ax20	5180	Ant2	-1.14	0.28	-0.86	11	Pass
NVNT	ax20	5200	Ant2	-1.73	0.28	-1.45	11	Pass
NVNT	ax20	5240	Ant2	-2.19	0.28	-1.91	11	Pass
NVNT	ax40	5190	Ant2	-4.26	0.53	-3.73	11	Pass
NVNT	ax40	5230	Ant2	-5.17	0.53	-4.64	11	Pass

MIMO

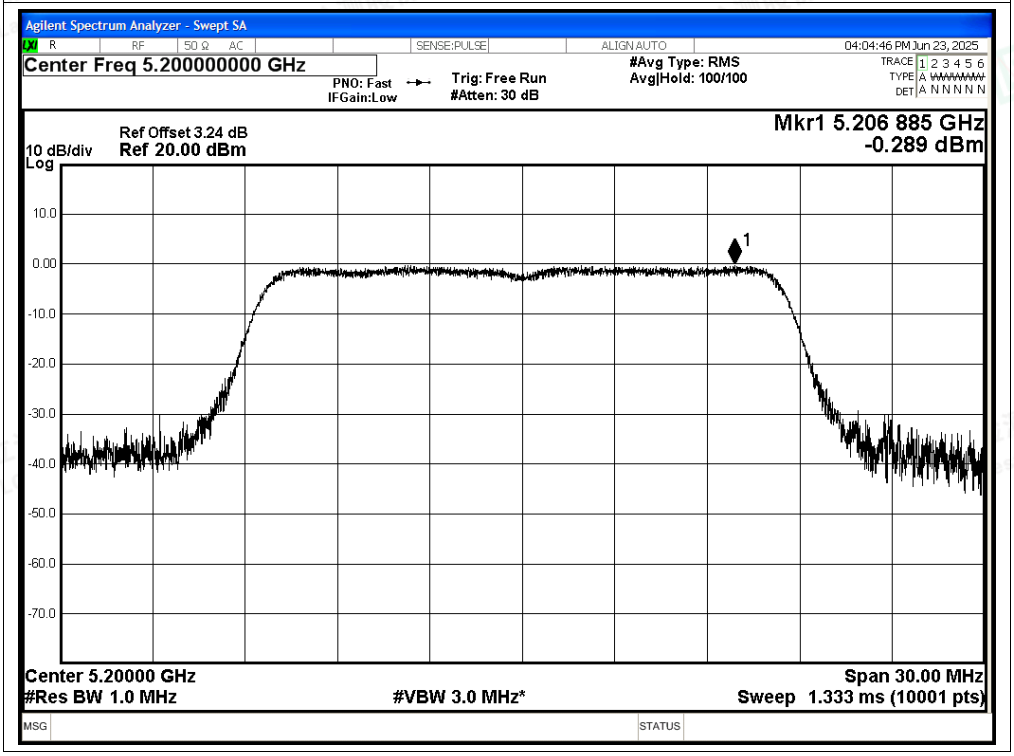
Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	0.67	0.34	3.52	11	Pass
NVNT	n20	5200	0.15	-0.17	3.00	11	Pass
NVNT	n20	5240	-0.61	-0.94	2.24	11	Pass
NVNT	n40	5190	-2.52	-2.63	0.44	11	Pass
NVNT	n40	5230	-3.24	-3.65	-0.43	11	Pass
NVNT	ac20	5180	0.52	0.1	3.33	11	Pass
NVNT	ac20	5200	-0.18	0.06	2.95	11	Pass
NVNT	ac20	5240	-0.96	-0.66	2.20	11	Pass
NVNT	ac40	5190	-2.71	-2.79	0.26	11	Pass
NVNT	ac40	5230	-3.61	-3.67	-0.63	11	Pass
NVNT	ax20	5180	-0.62	-0.86	2.27	11	Pass
NVNT	ax20	5200	-1.24	-1.45	1.67	11	Pass
NVNT	ax20	5240	-1.88	-1.91	1.12	11	Pass
NVNT	ax40	5190	-3.83	-3.73	-0.77	11	Pass
NVNT	ax40	5230	-4.62	-4.64	-1.62	11	Pass

Test Graphs

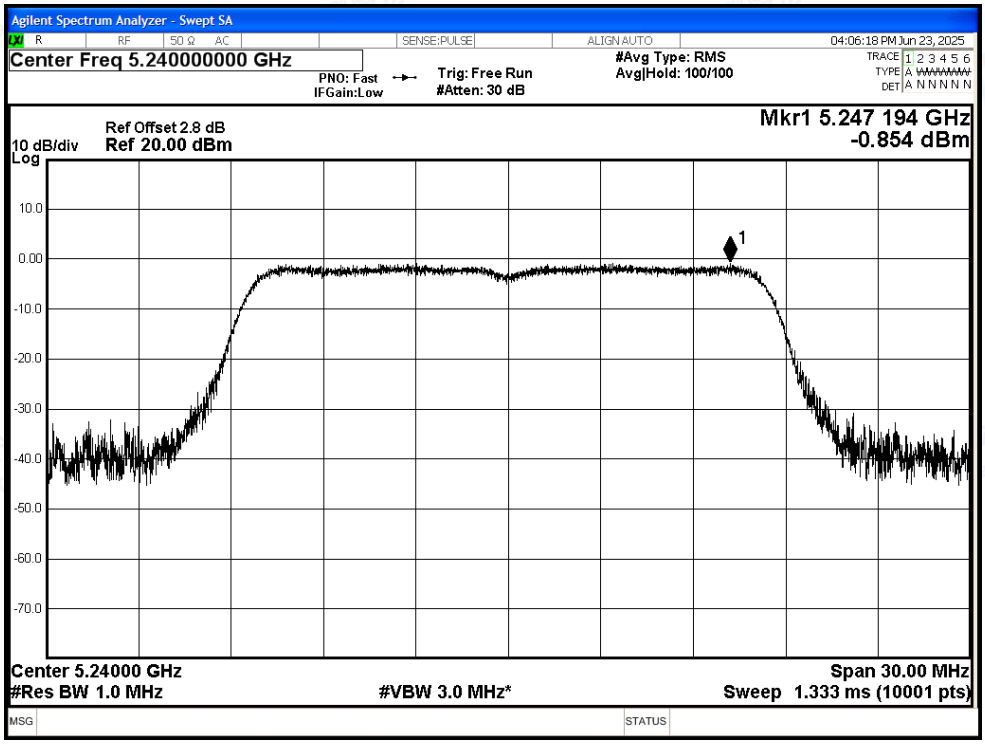
PSD NVNT a 5180MHz Ant1



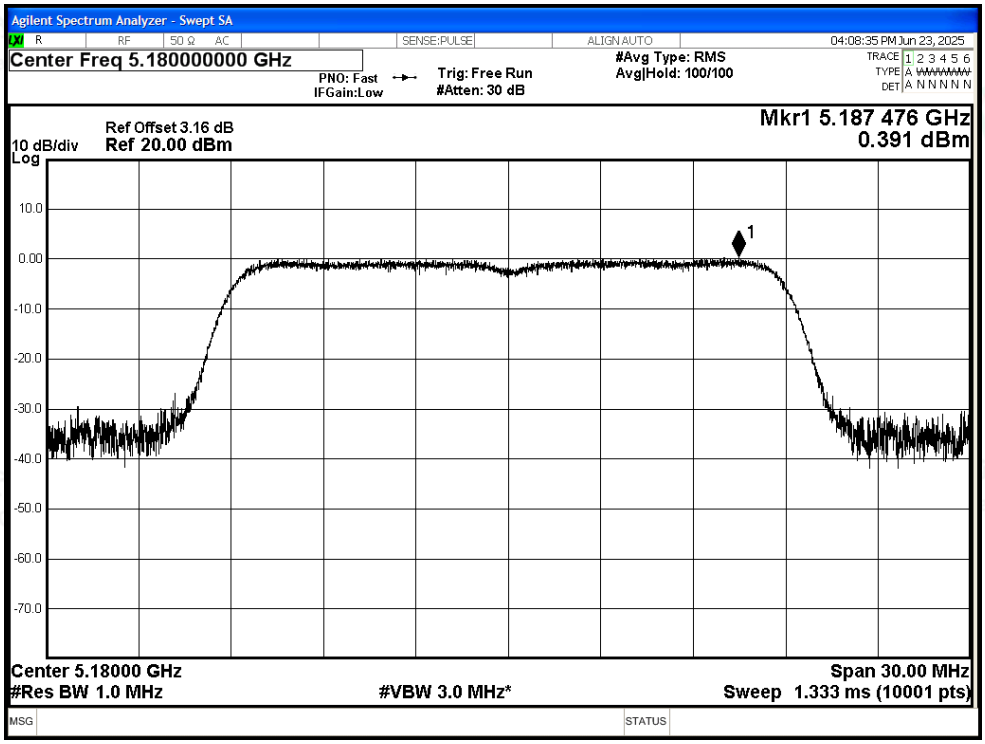
PSD NVNT a 5200MHz Ant1



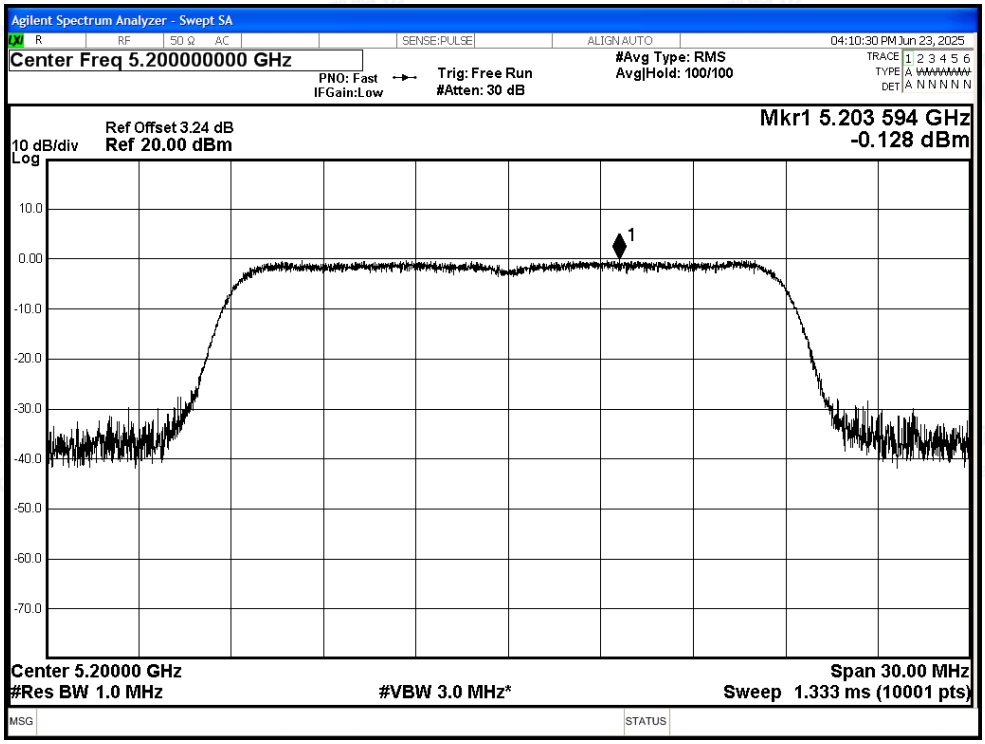
PSD NVNT a 5240MHz Ant1



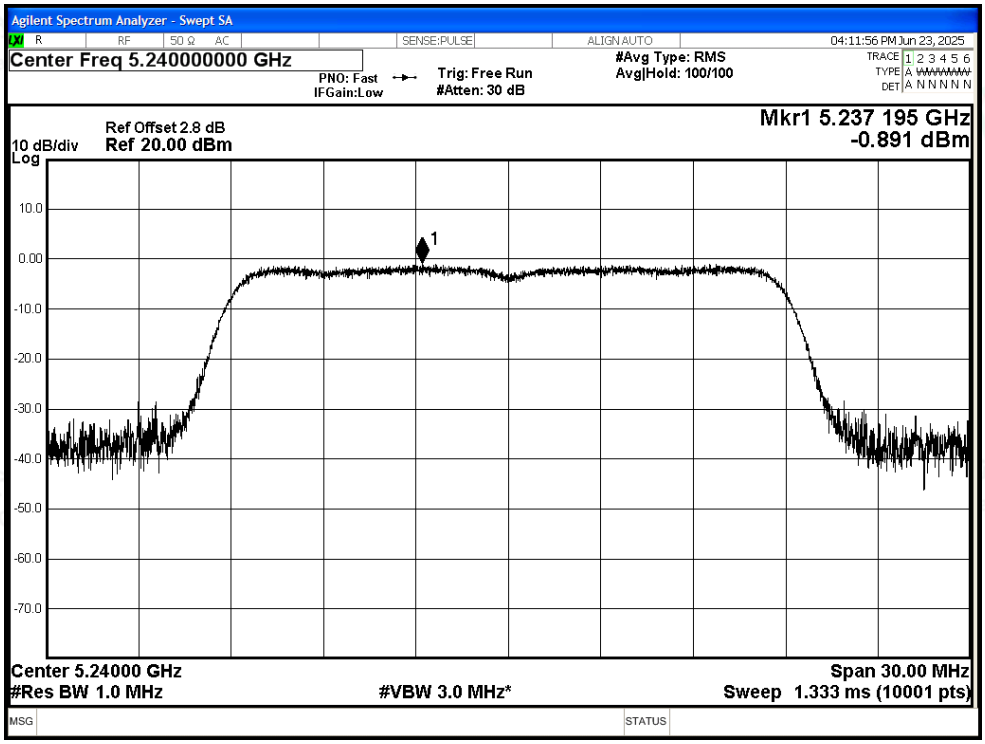
PSD NVNT n20 5180MHz Ant1



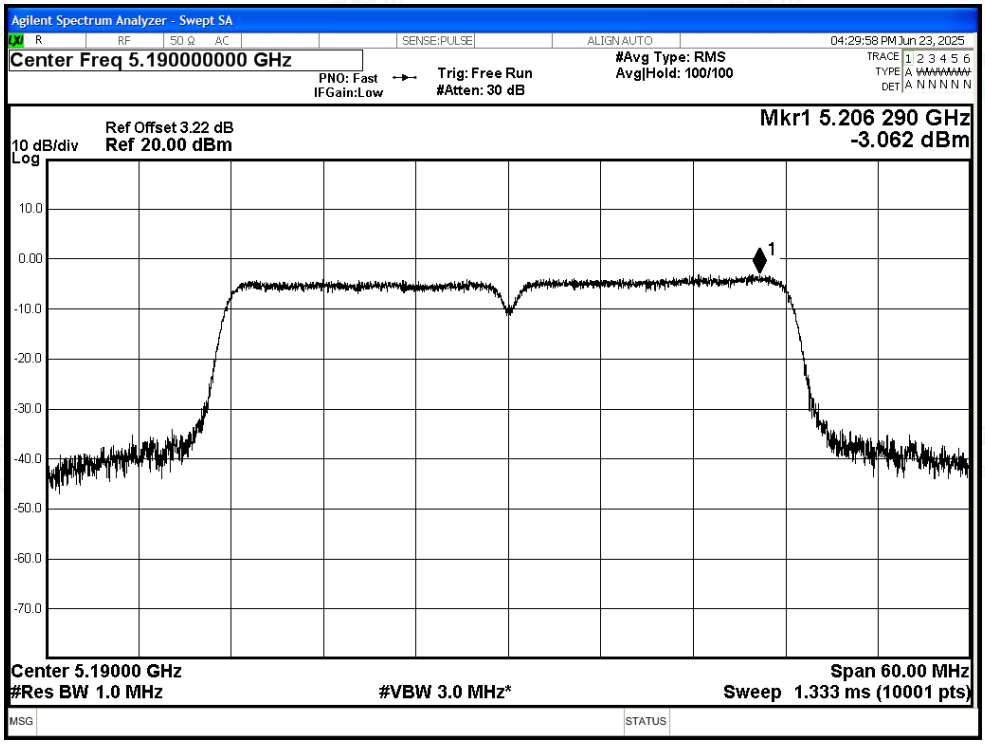
PSD NVNT n20 5200MHz Ant1



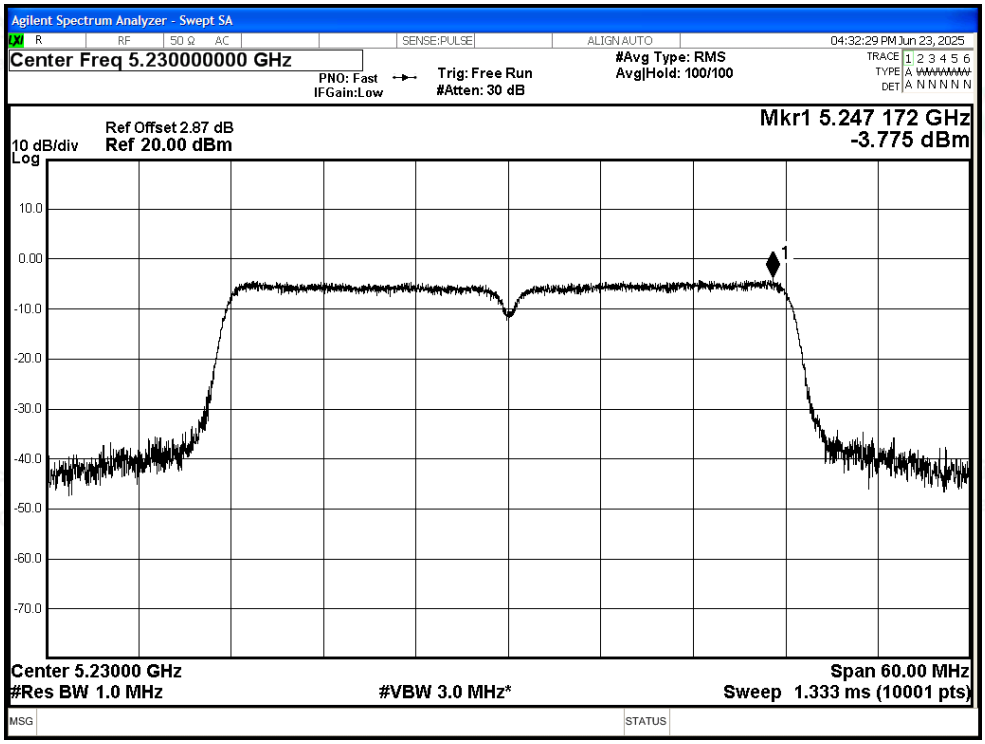
PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1



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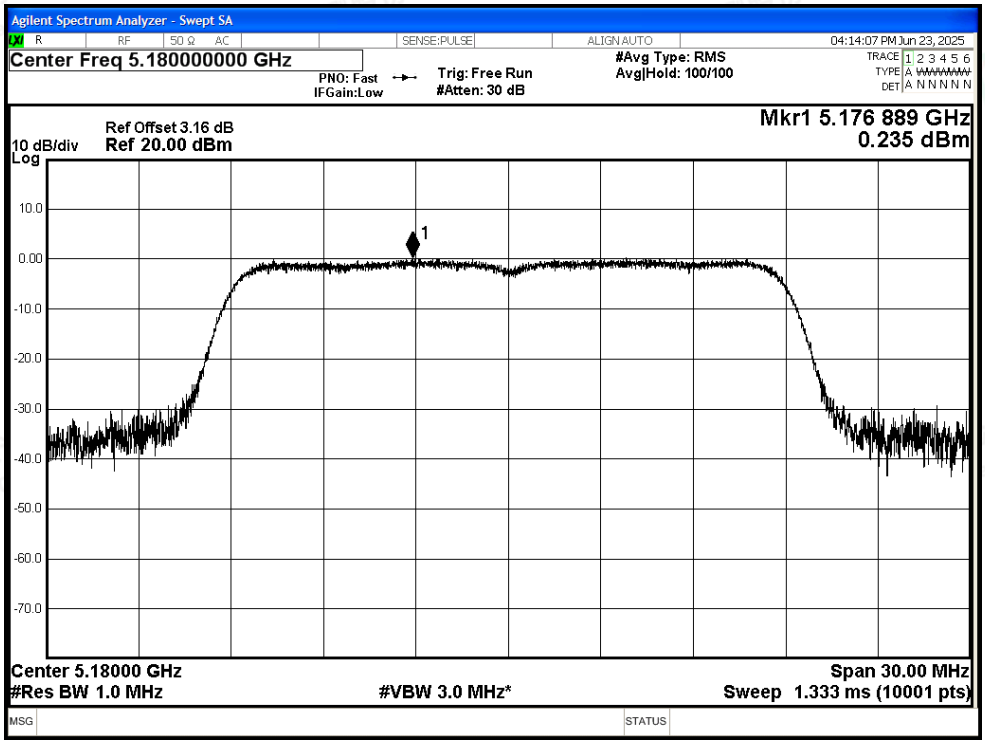

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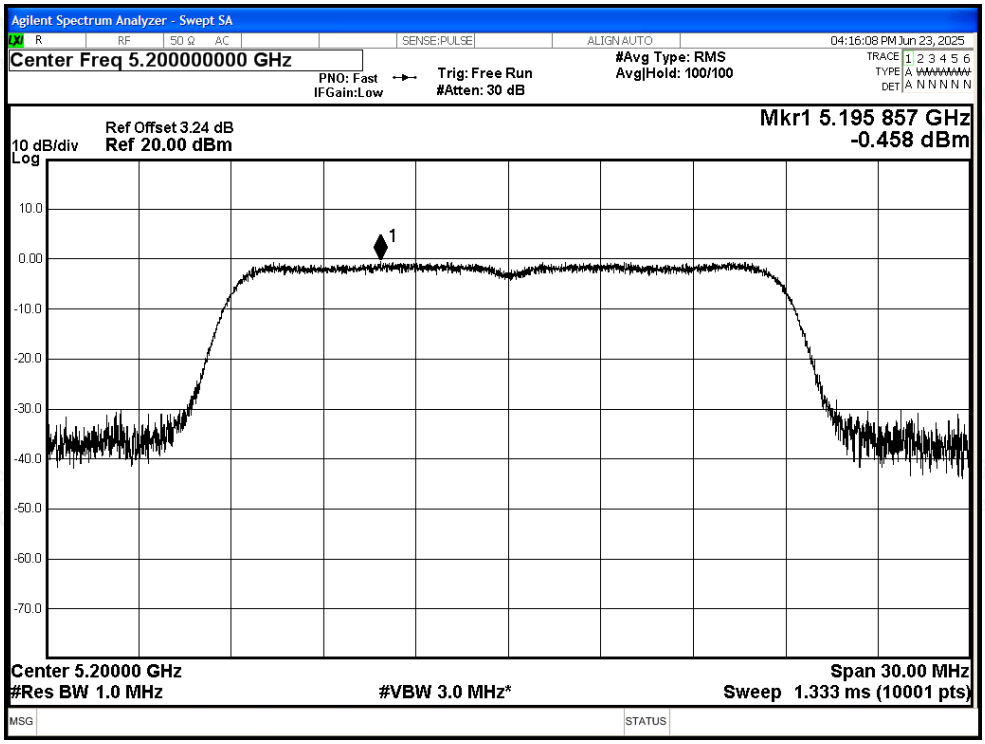

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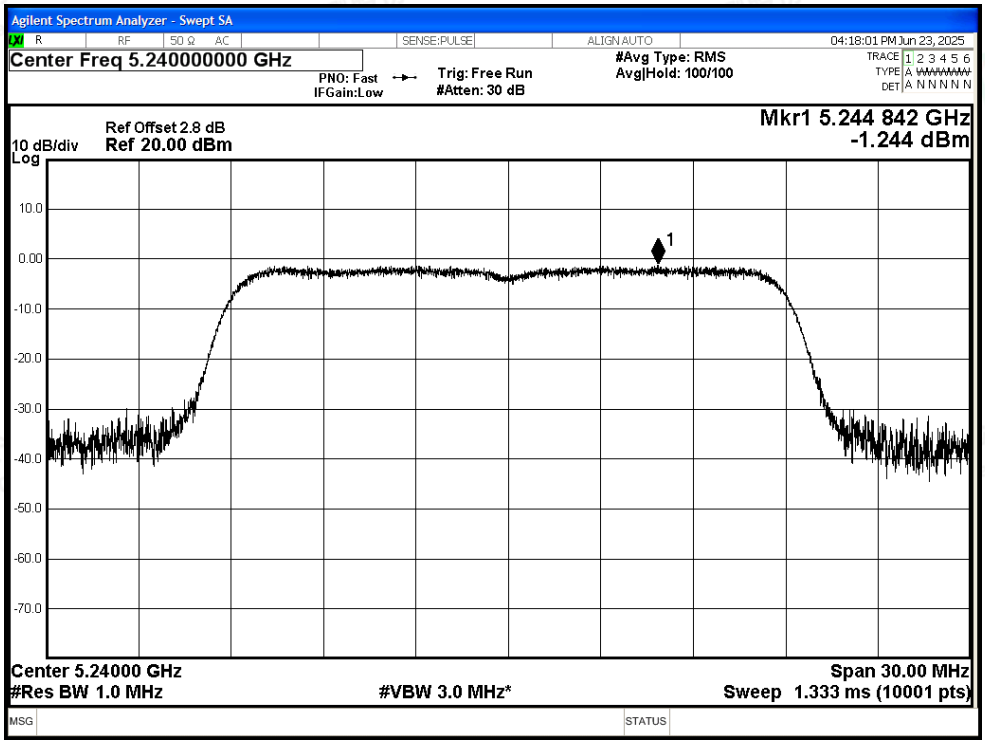

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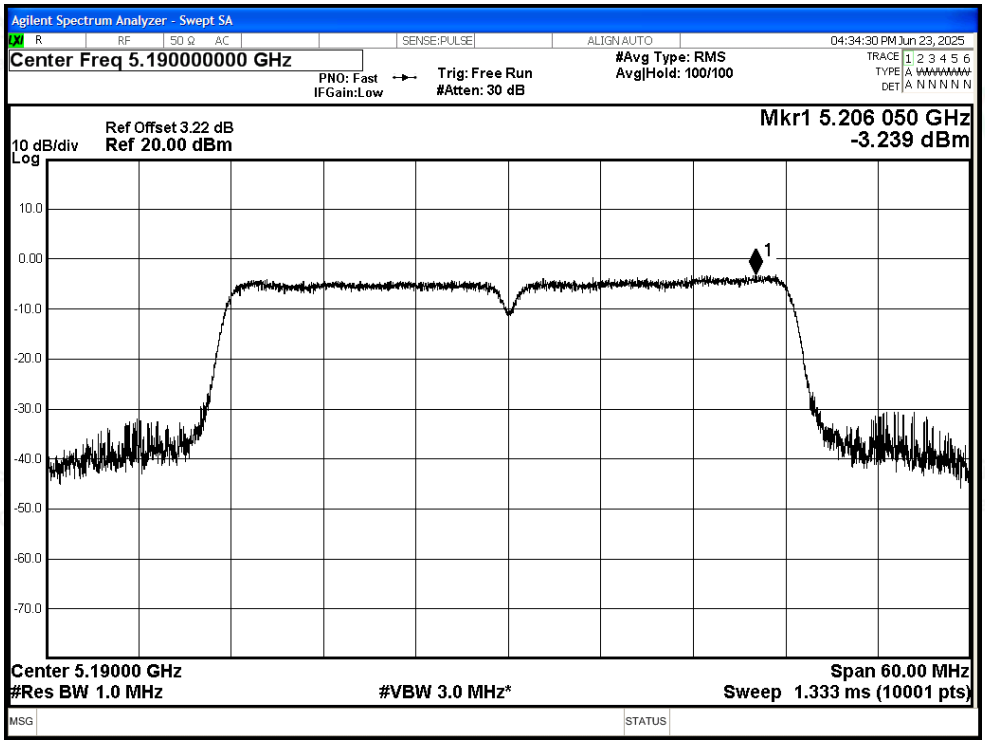
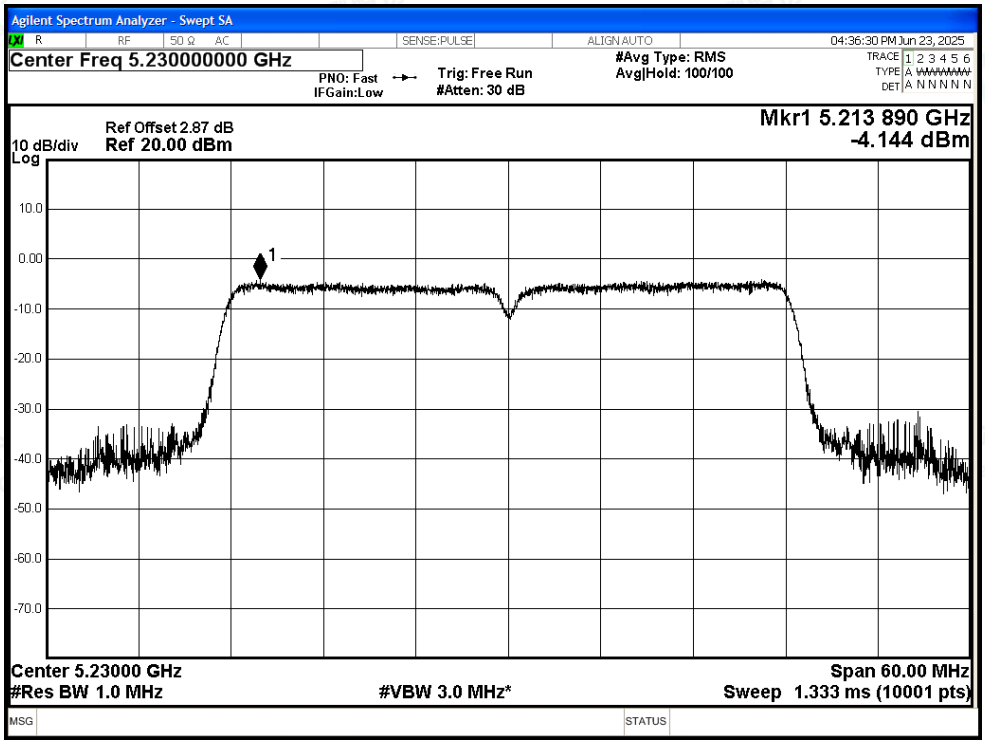


PSD NVNT ac40 5230MHz Ant1



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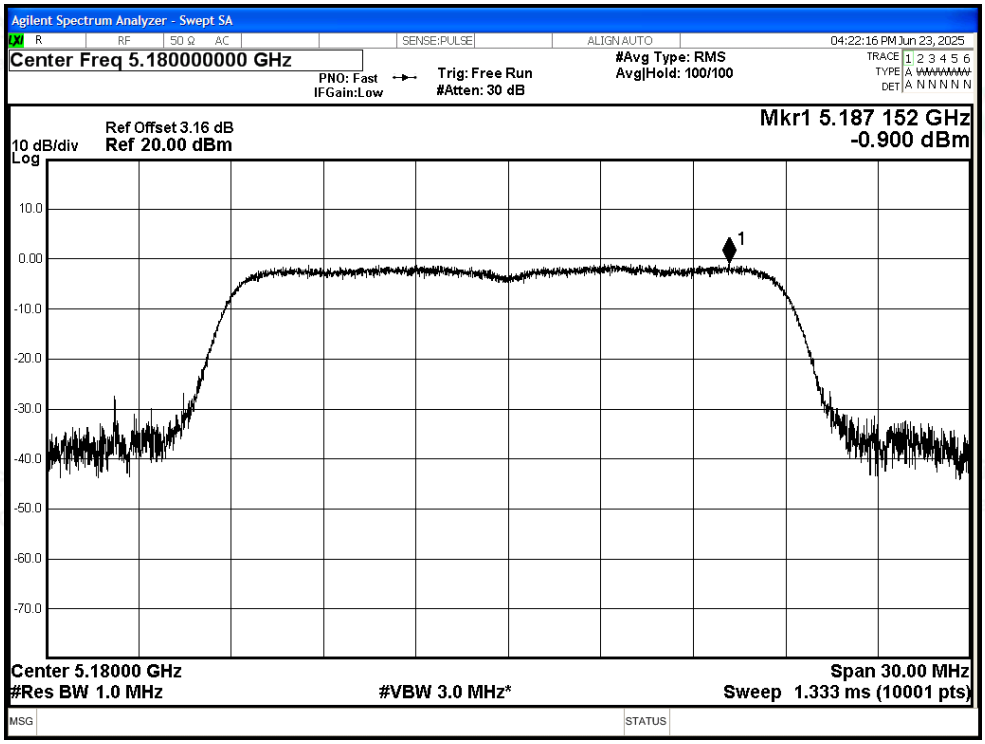
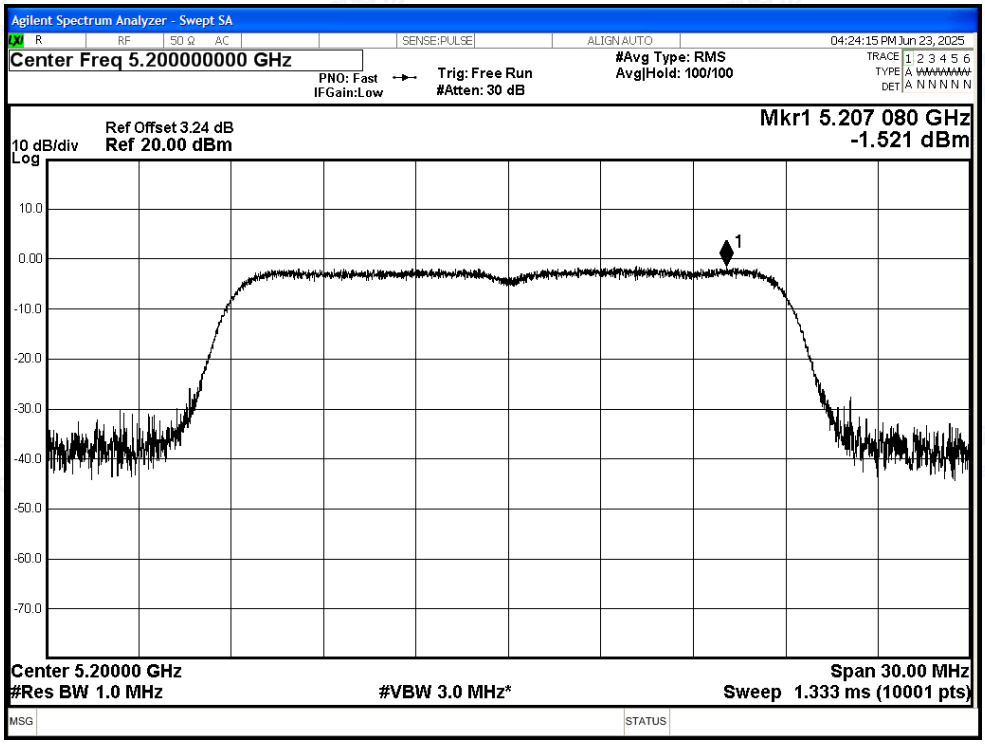
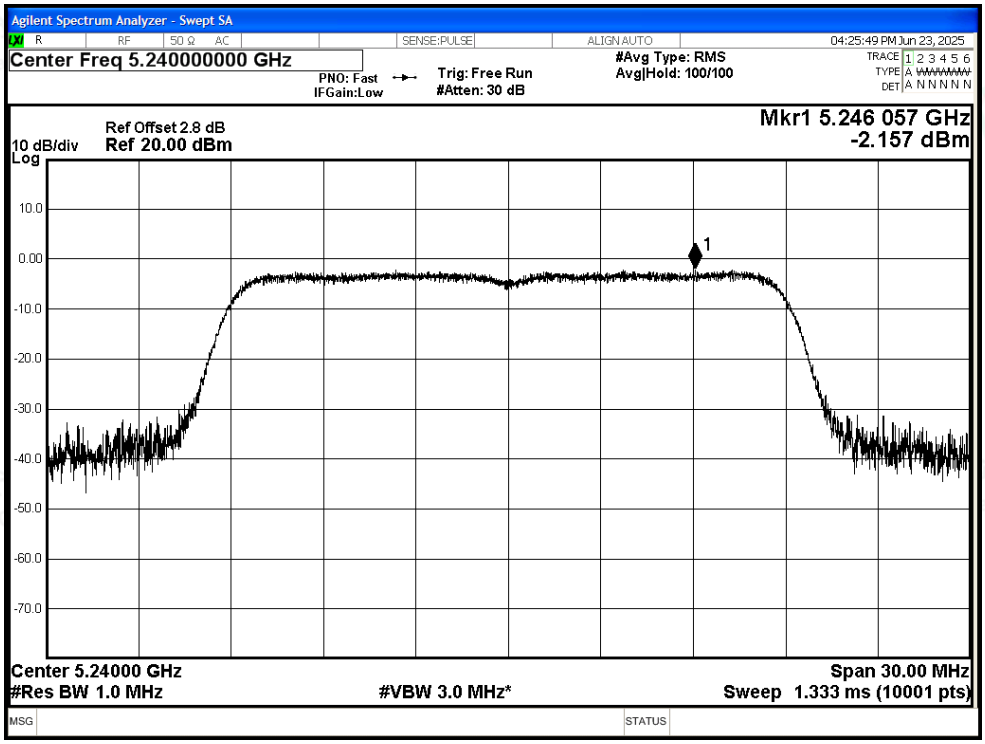


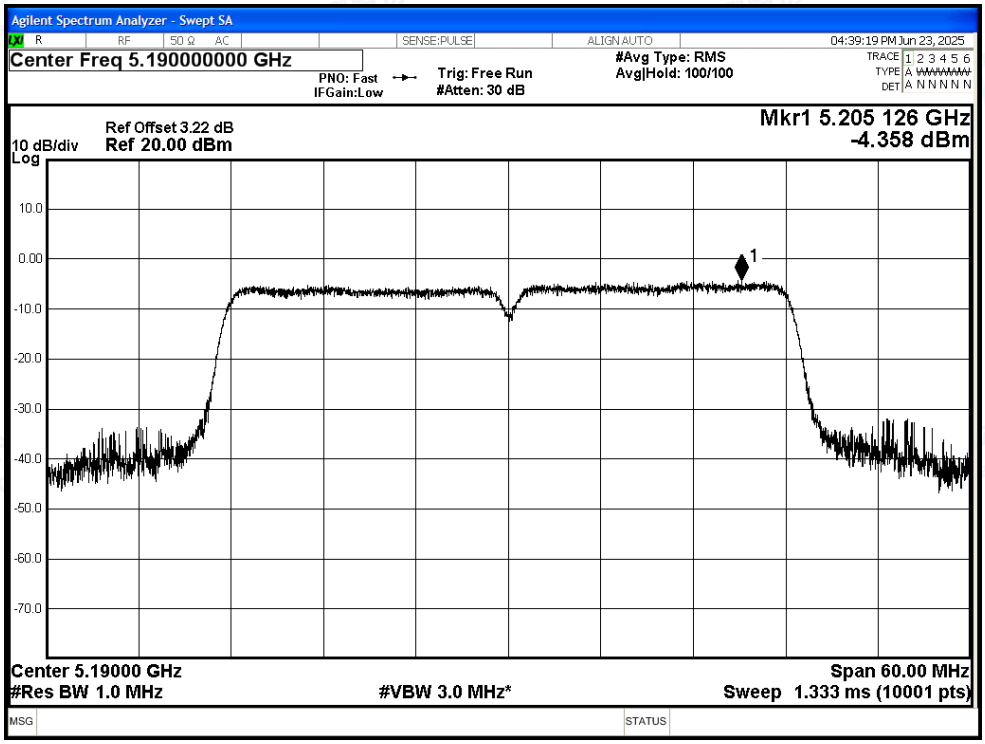
PSD NVNT ax20 5200MHz Ant1



PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



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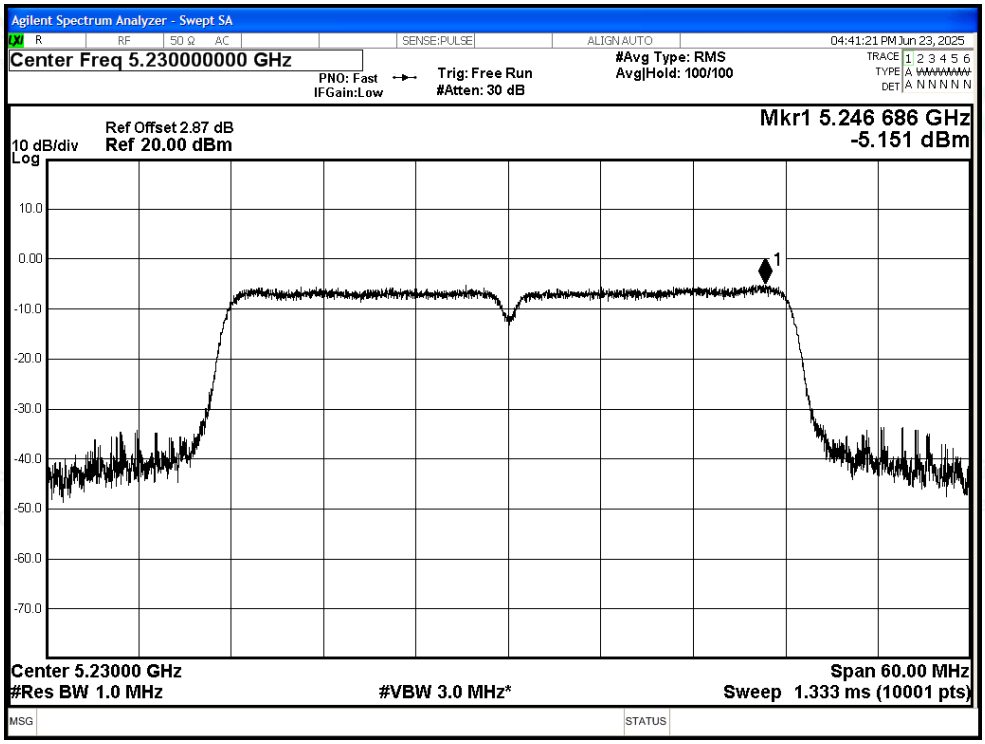
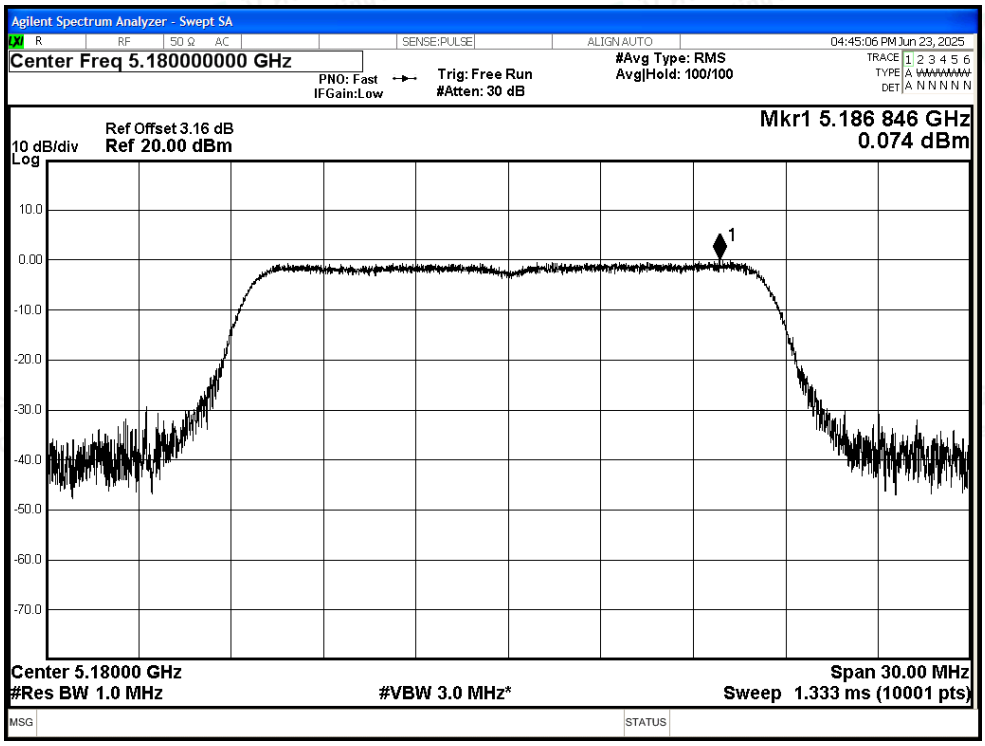


PSD NVNT a 5180MHz Ant2



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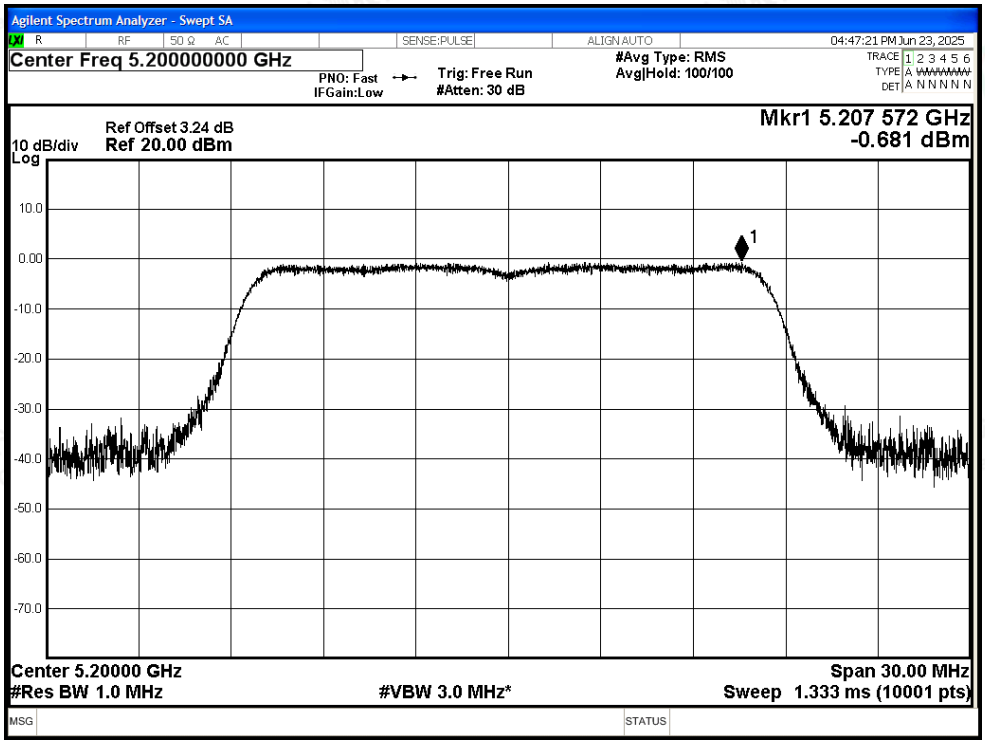
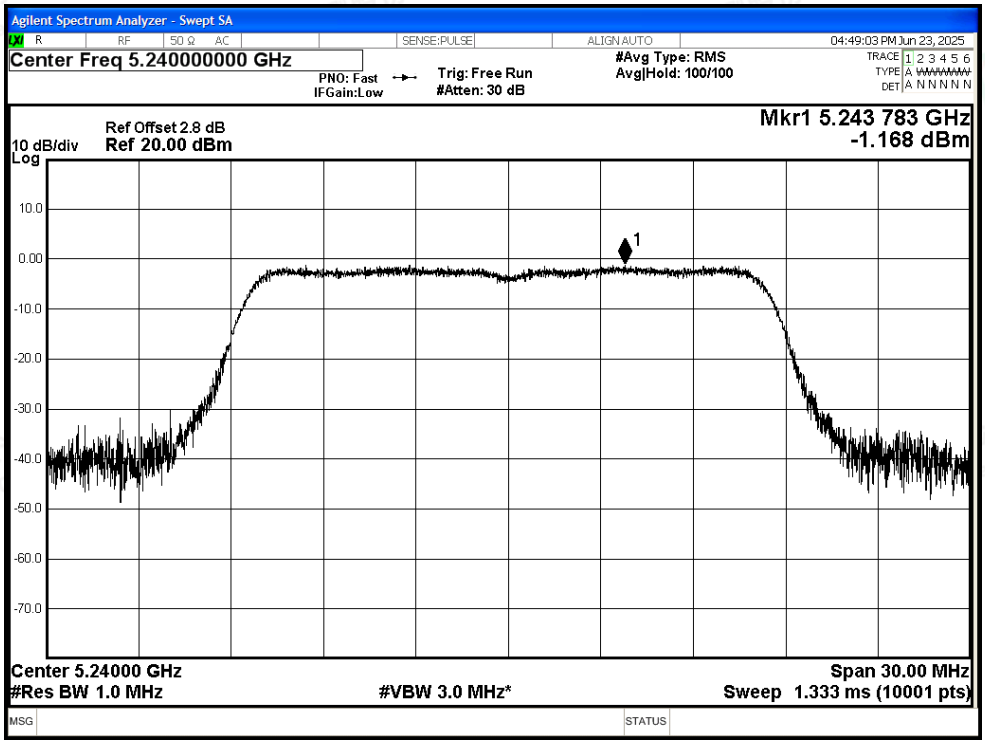


PSD NVNT a 5240MHz Ant2



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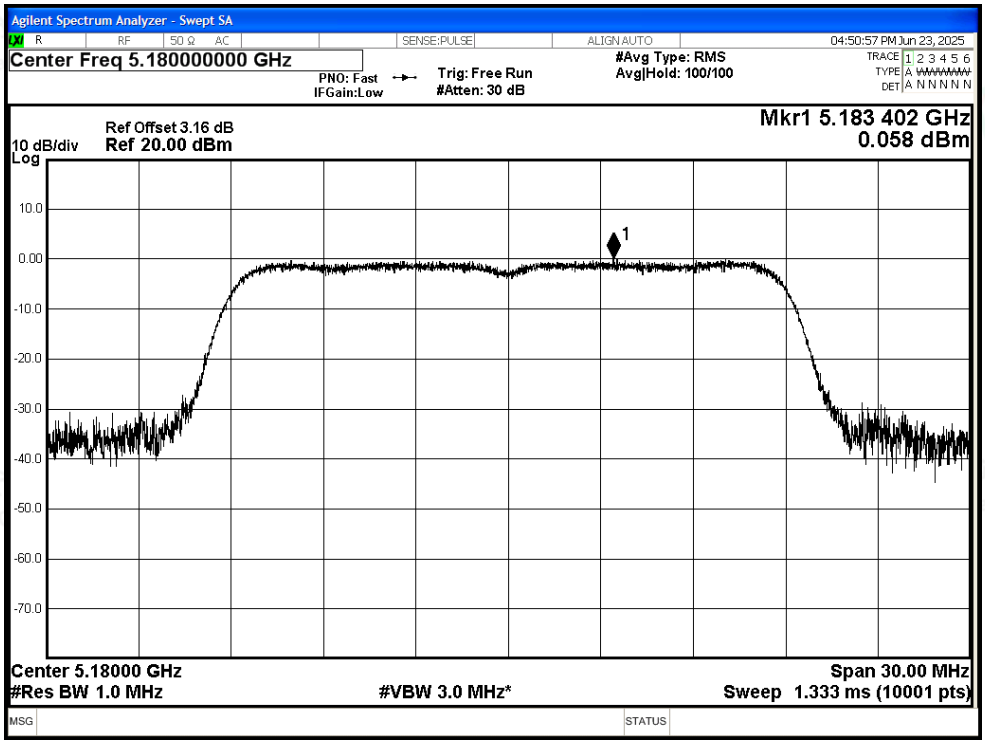

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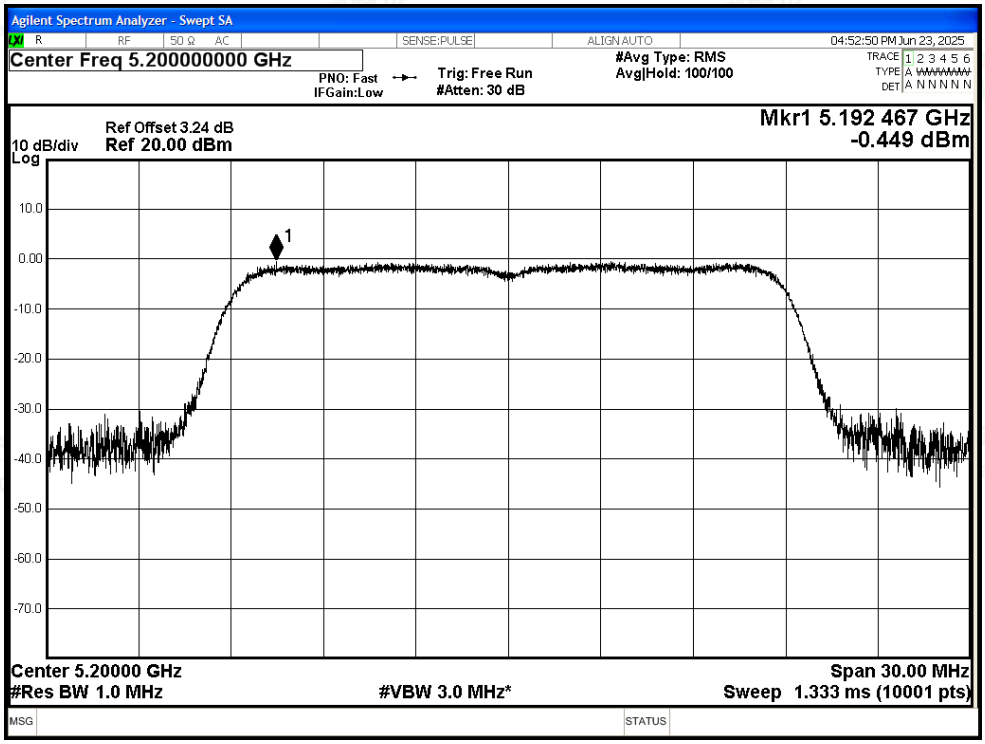
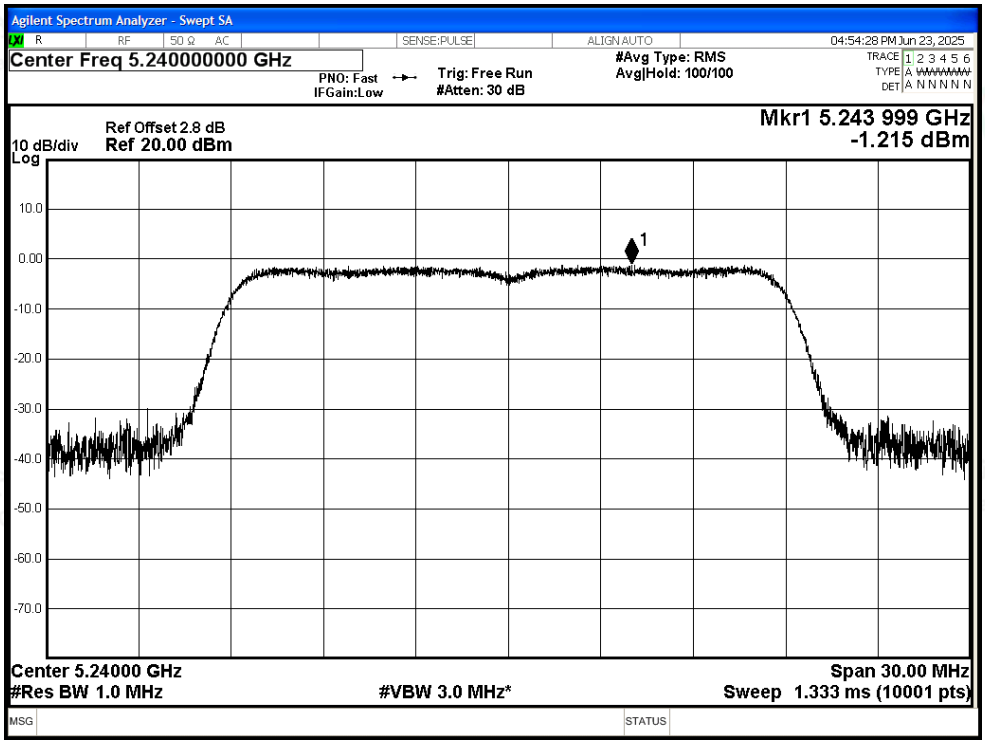
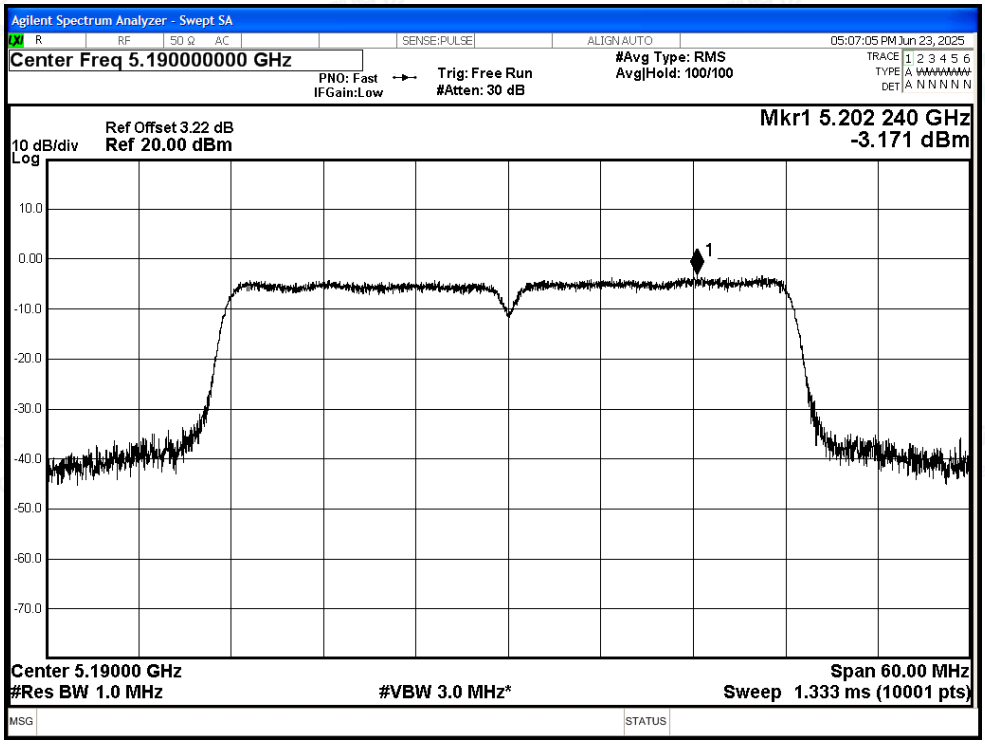


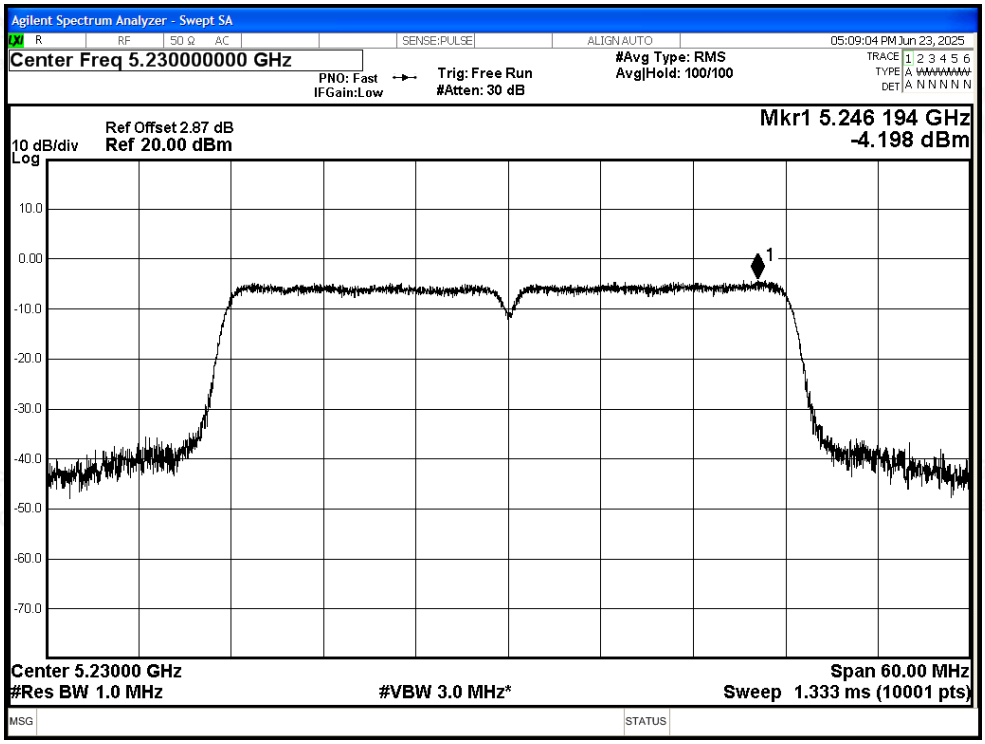
PSD NVNT n20 5240MHz Ant2



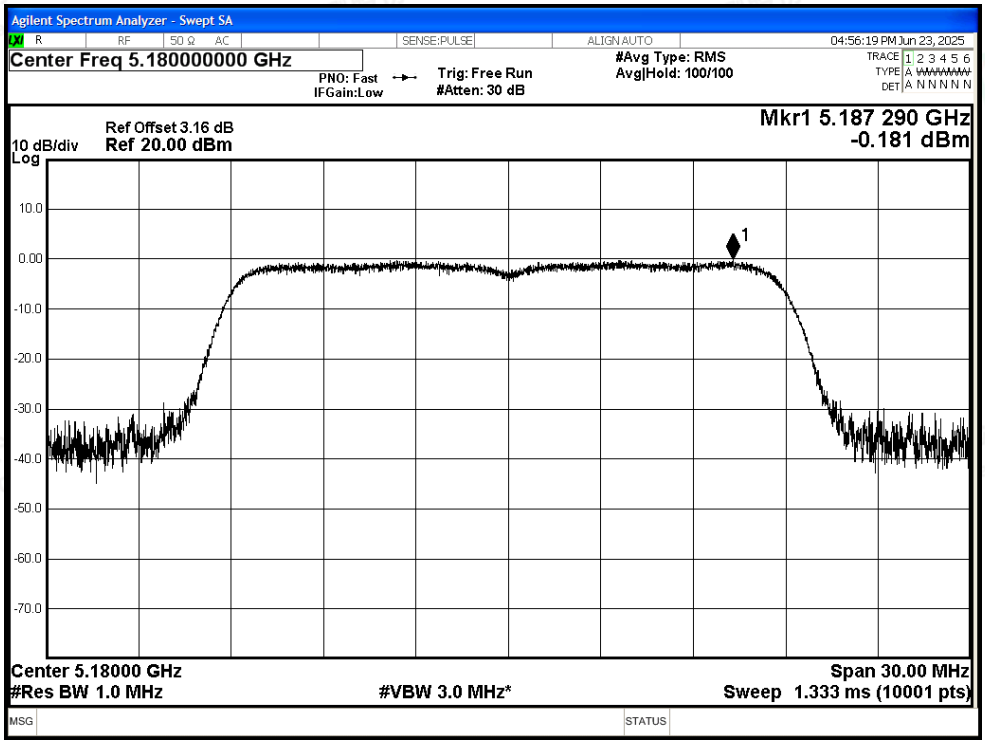
PSD NVNT n40 5190MHz Ant2



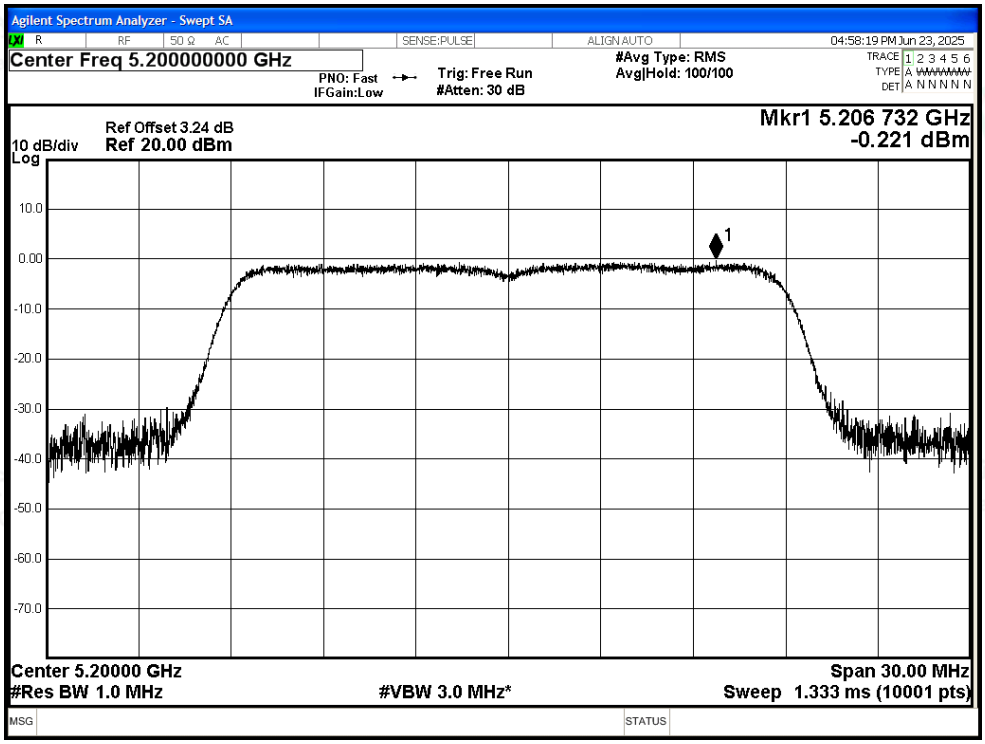
PSD NVNT n40 5230MHz Ant2



PSD NVNT ac20 5180MHz Ant2



PSD NVNT ac20 5200MHz Ant2



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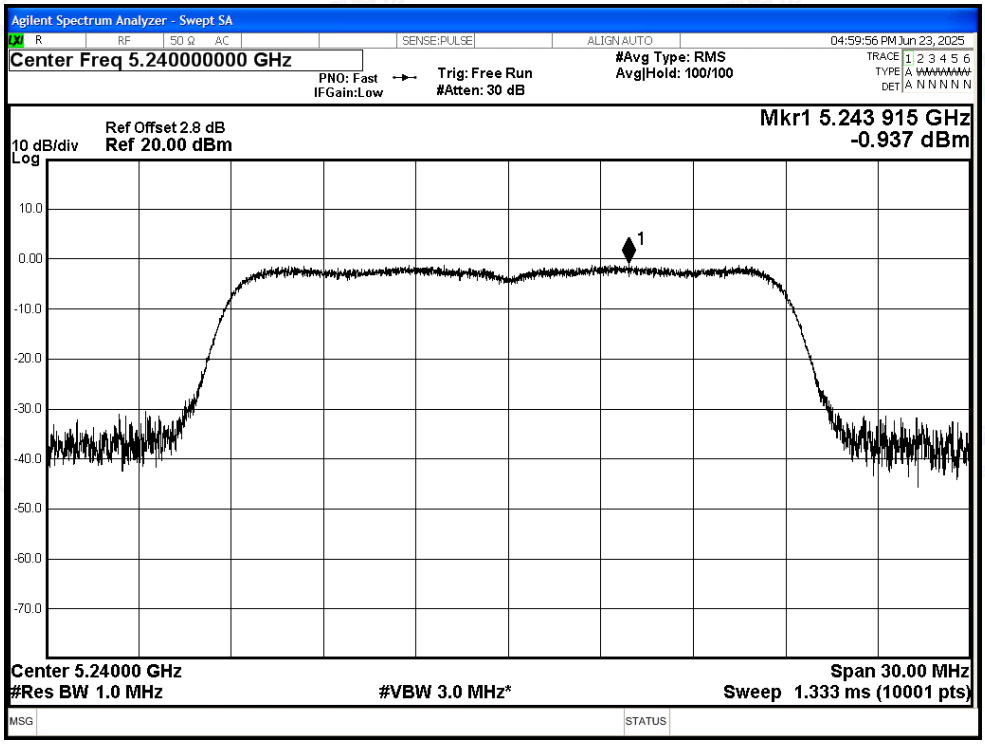

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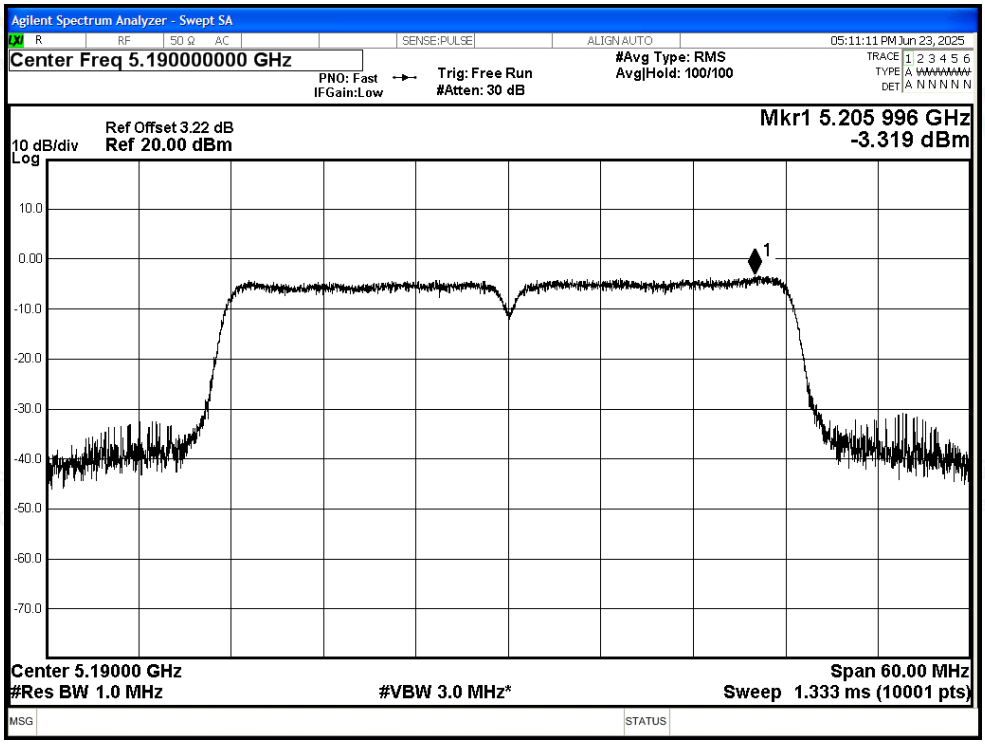

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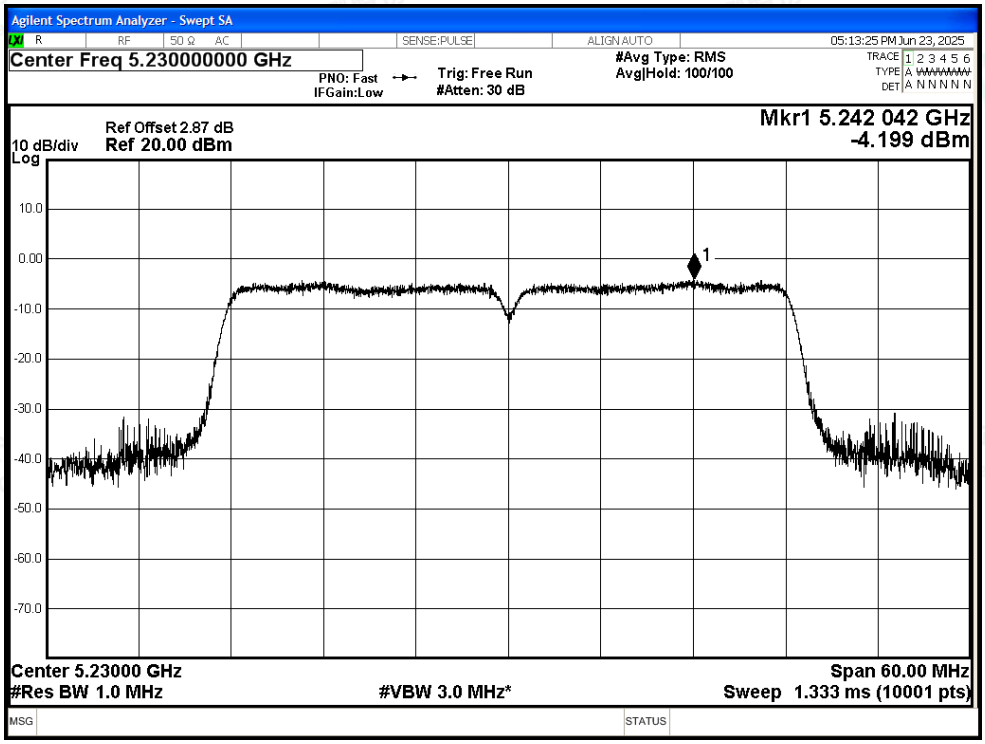

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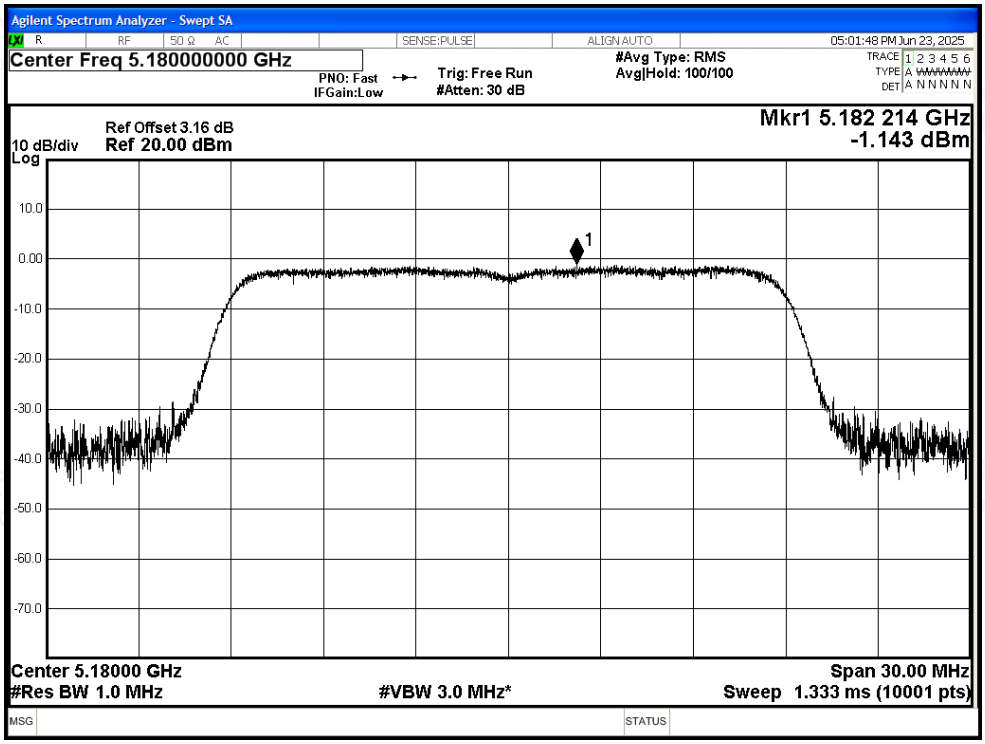

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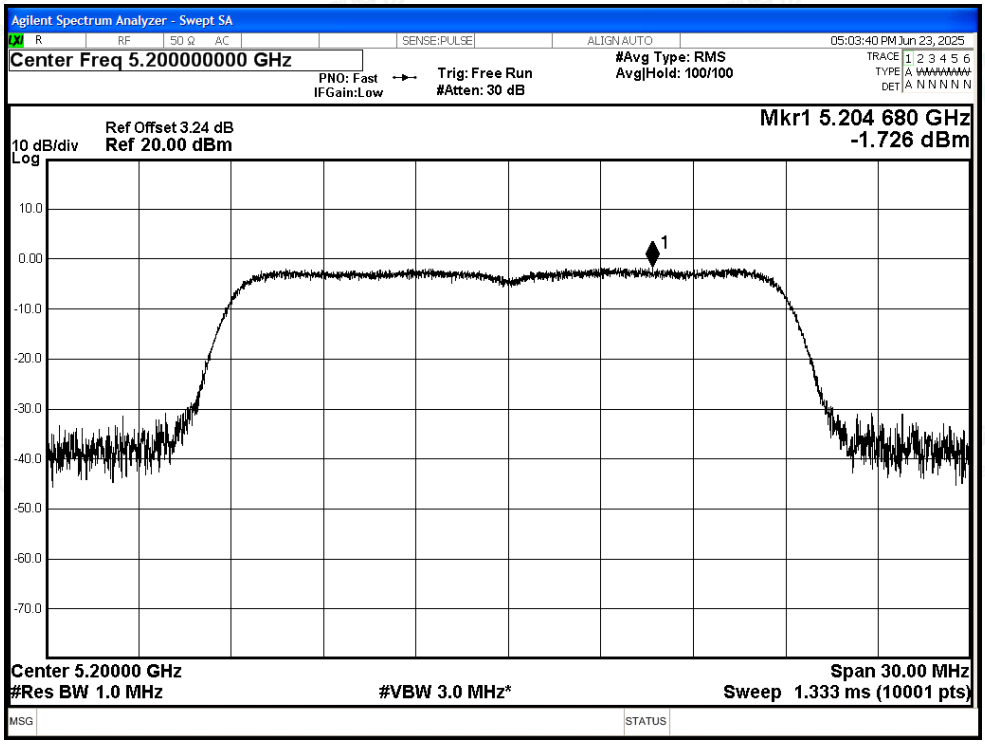

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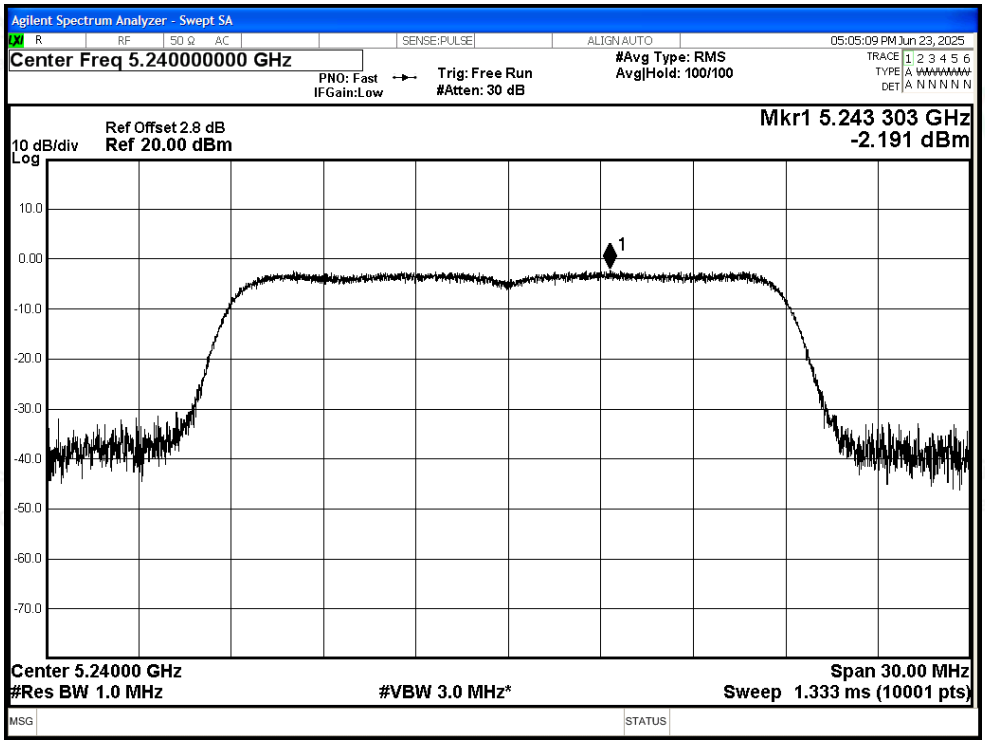

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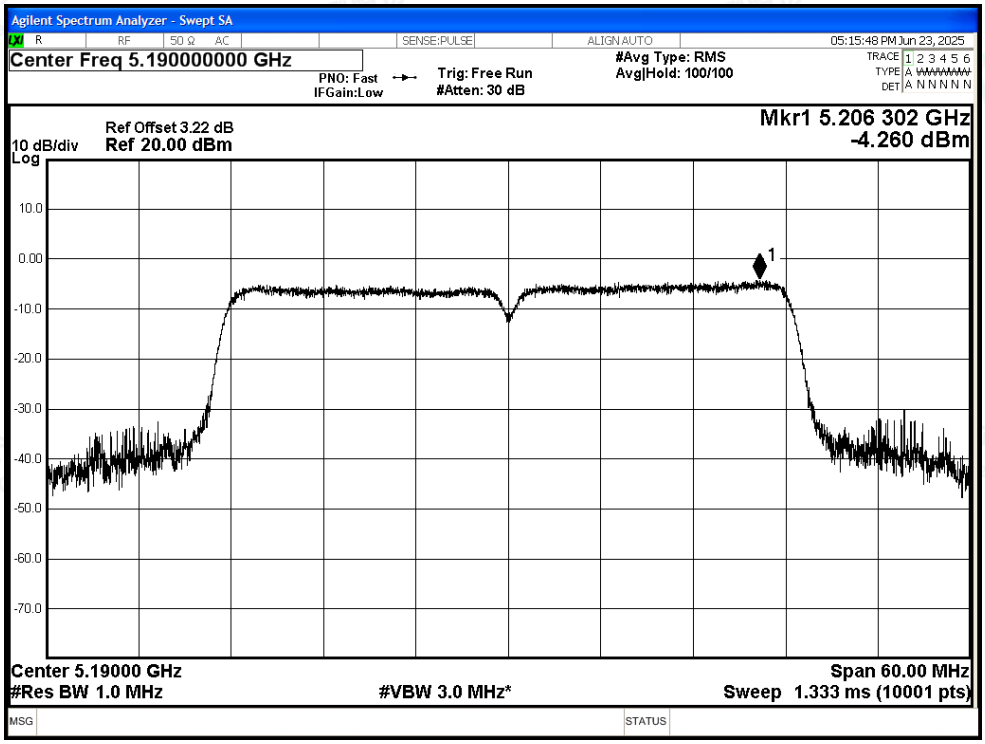

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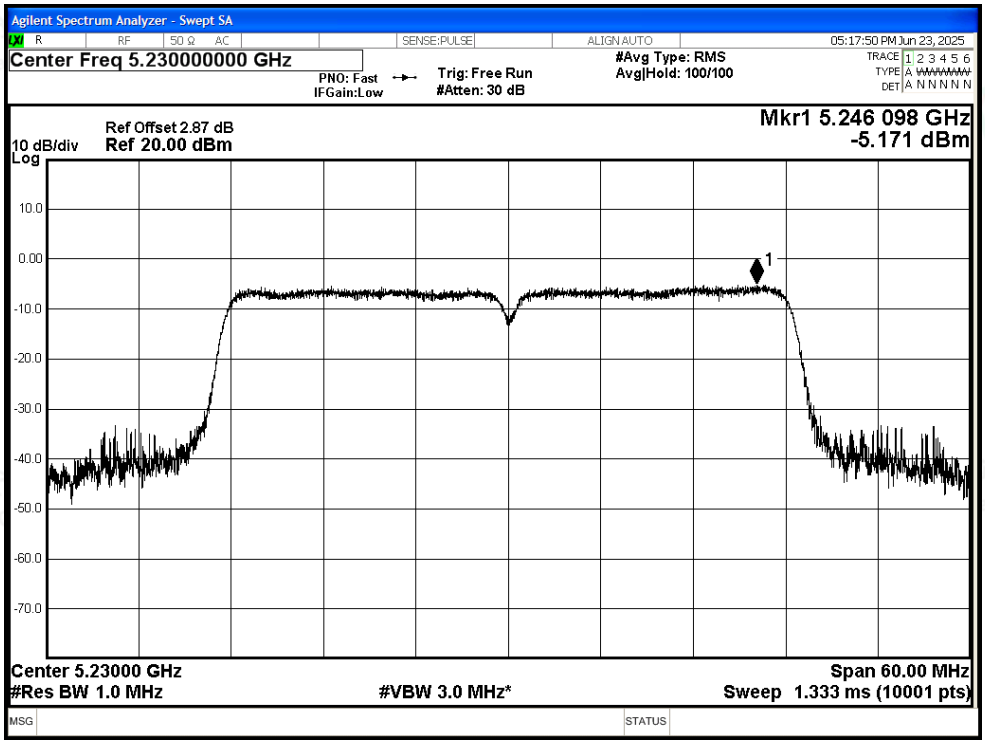


D.4 Restrict Band

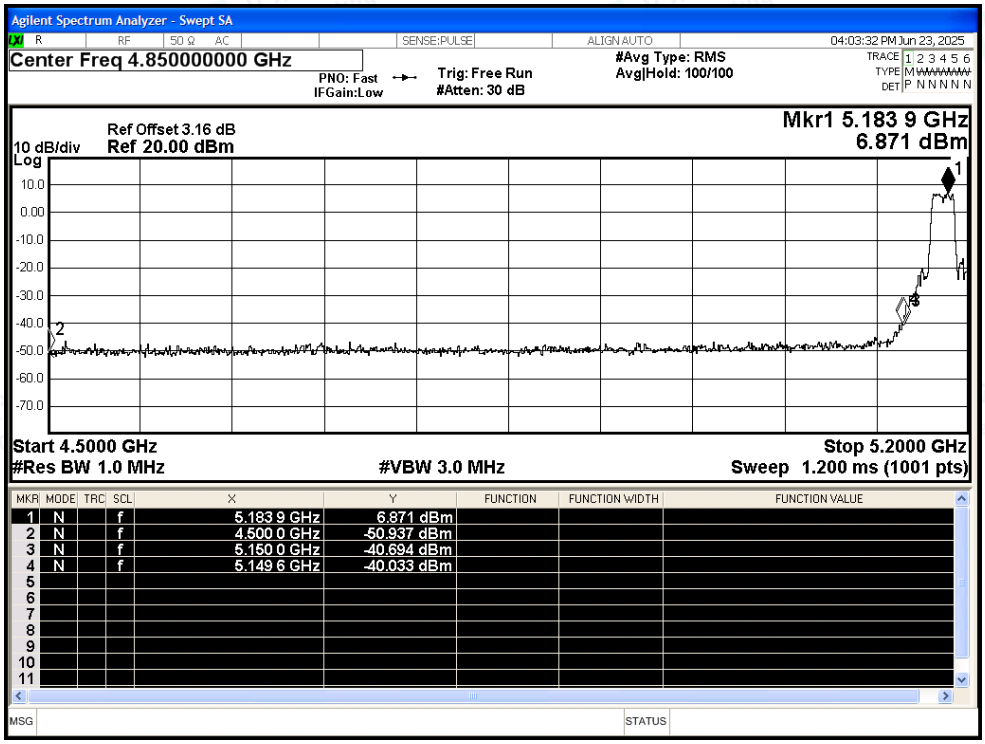
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant1	4500	-50.94	2.80	-	47.09	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-58.53	2.80	0.24	39.74	Average	54	Pass
NVNT	a	5180	Ant1	5149.6	-40.03	2.80	-	58.00	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-51.56	2.80	0.24	46.71	Average	54	Pass
NVNT	a	5180	Ant1	5150	-40.69	2.80	-	57.34	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-51.15	2.80	0.24	47.12	Average	54	Pass
NVNT	a	5240	Ant1	5350	-50.23	2.80	-	47.80	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-57.81	2.80	0.24	40.46	Average	54	Pass
NVNT	a	5240	Ant1	5351.52	-47.06	2.80	-	50.97	Peak	68.2	Pass
NVNT	a	5240	Ant1	5351.28	-57.13	2.80	0.24	41.14	Average	54	Pass
NVNT	a	5240	Ant1	5460	-50.33	2.80	-	47.70	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-58.36	2.80	0.24	39.91	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-51.97	2.80	-	46.06	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-59.12	2.80	0.28	39.19	Average	54	Pass
NVNT	n20	5180	Ant1	5149.6	-41.36	2.80	-	56.67	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-51.15	2.80	0.28	47.16	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-41.24	2.80	-	56.79	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-50.63	2.80	0.28	47.68	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-48.53	2.80	-	49.50	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-57.81	2.80	0.28	40.50	Average	54	Pass
NVNT	n20	5240	Ant1	5377.2	-47.33	2.80	-	50.70	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5352	-56.92	2.80	0.28	41.39	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-50.36	2.80	-	47.67	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-58.22	2.80	0.28	40.09	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-50.63	2.80	-	47.40	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-58.46	2.80	0.54	40.11	Average	54	Pass
NVNT	n40	5190	Ant1	5146.78	-37.61	2.80	-	60.42	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-48.91	2.80	0.54	49.66	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-41.35	2.80	-	56.68	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-48.91	2.80	0.54	49.66	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-50.45	2.80	-	47.58	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-57.87	2.80	0.54	40.70	Average	54	Pass
NVNT	n40	5230	Ant1	5402.22	-47.14	2.80	-	50.89	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5353.35	-57.19	2.80	0.54	41.38	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-49.92	2.80	-	48.11	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-58.34	2.80	0.54	40.23	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-49.63	2.80	-	48.40	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-58.7	2.80	0.28	39.61	Average	54	Pass

NVNT	ac20	5180	Ant1	5149.6	-32.32	2.80	-	65.71	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5148.9	-47.89	2.80	0.28	50.42	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-36.84	2.80	-	61.19	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-49.23	2.80	0.28	49.08	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-49.24	2.80	-	48.79	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-57.44	2.80	0.28	40.87	Average	54	Pass
NVNT	ac20	5240	Ant1	5352.24	-46.91	2.80	-	51.12	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5390.64	-57.14	2.80	0.28	41.17	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-50.36	2.80	-	47.67	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-58.41	2.80	0.28	39.90	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-49.6	2.80	-	48.43	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-58.35	2.80	0.53	40.21	Average	54	Pass
NVNT	ac40	5190	Ant1	5149.7	-37.22	2.80	-	60.81	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-50.07	2.80	0.53	48.49	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-37.22	2.80	-	60.81	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-50.07	2.80	0.53	48.49	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-48.79	2.80	-	49.24	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-57.65	2.80	0.53	40.91	Average	54	Pass
NVNT	ac40	5230	Ant1	5398.17	-47.13	2.80	-	50.90	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5365.5	-57.18	2.80	0.53	41.38	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-50.26	2.80	-	47.77	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-57.55	2.80	0.53	41.01	Average	54	Pass
NVNT	ax20	5180	Ant1	4500	-49.49	2.80	-	48.54	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	4500	-59.28	2.80	0.28	39.03	Average	54	Pass
NVNT	ax20	5180	Ant1	5148.9	-39.17	2.80	-	58.86	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	5149.6	-52.07	2.80	0.28	46.24	Average	54	Pass
NVNT	ax20	5180	Ant1	5150	-34.81	2.80	-	63.22	Peak	68.2	Pass
NVNT	ax20	5180	Ant1	5150	-50.56	2.80	0.28	47.75	Average	54	Pass
NVNT	ax20	5240	Ant1	5350	-48.84	2.80	-	49.19	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5350	-57.78	2.80	0.28	40.53	Average	54	Pass
NVNT	ax20	5240	Ant1	5368.32	-47.3	2.80	-	50.73	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5372.4	-57.27	2.80	0.28	41.04	Average	54	Pass
NVNT	ax20	5240	Ant1	5460	-49.72	2.80	-	48.31	Peak	68.2	Pass
NVNT	ax20	5240	Ant1	5460	-58.07	2.80	0.28	40.24	Average	54	Pass
NVNT	ax40	5190	Ant1	4500	-51.36	2.80	-	46.67	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	4500	-58.4	2.80	0.53	40.16	Average	54	Pass
NVNT	ax40	5190	Ant1	5148.97	-38.63	2.80	-	59.40	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	5149.7	-50.56	2.80	0.53	48.00	Average	54	Pass
NVNT	ax40	5190	Ant1	5150	-39.32	2.80	-	58.71	Peak	68.2	Pass
NVNT	ax40	5190	Ant1	5150	-50.56	2.80	0.53	48.00	Average	54	Pass
NVNT	ax40	5230	Ant1	5350	-48.5	2.80	-	49.53	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5350	-57.96	2.80	0.53	40.60	Average	54	Pass
NVNT	ax40	5230	Ant1	5390.61	-47.72	2.80	-	50.31	Peak	68.2	Pass

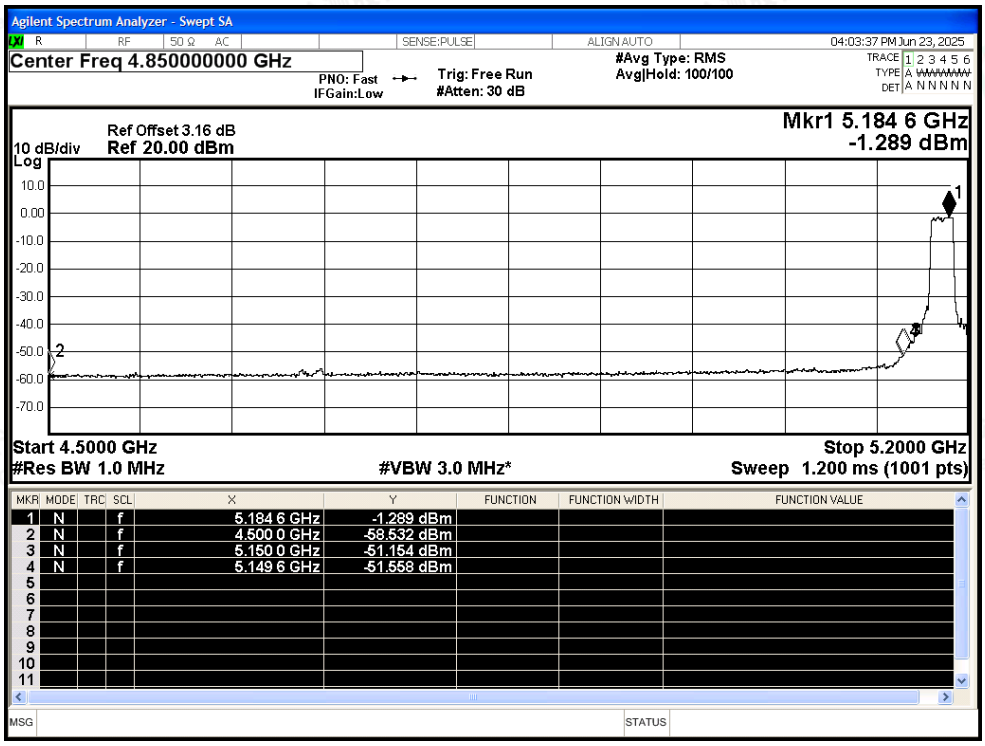
NVNT	ax40	5230	Ant1	5447.31	-57.37	2.80	0.53	41.19	Average	54	Pass
NVNT	ax40	5230	Ant1	5460	-50.11	2.80	-	47.92	Peak	68.2	Pass
NVNT	ax40	5230	Ant1	5460	-58.59	2.80	0.53	39.97	Average	54	Pass

Test Graphs

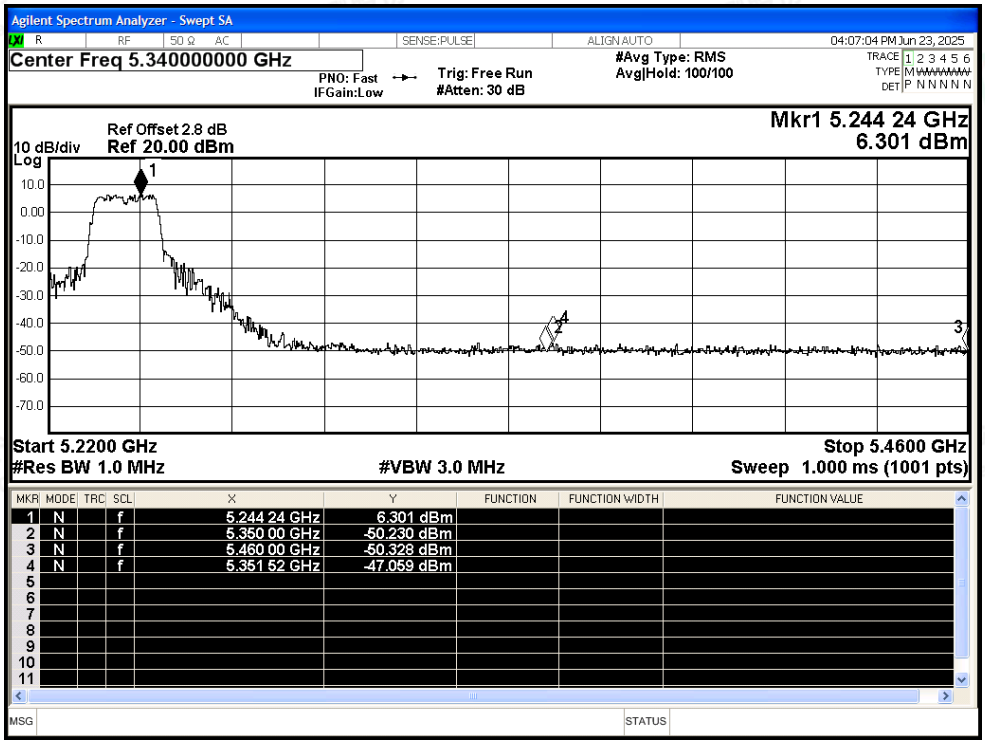
Restrict Band NVNT a 5180MHz Ant1 Peak



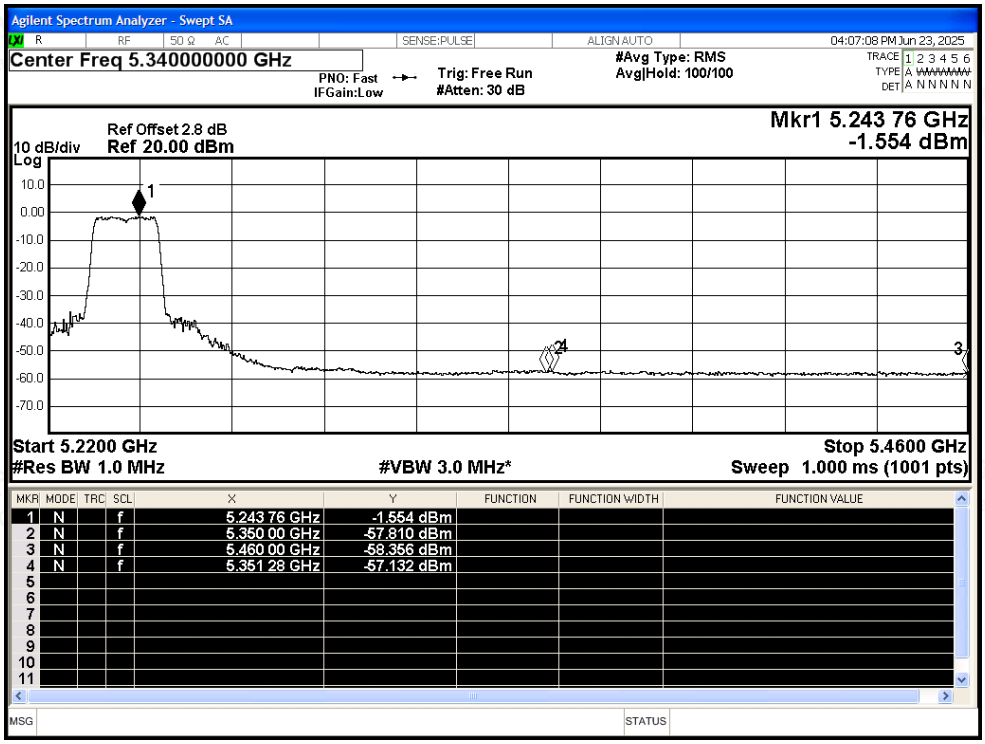
Restrict Band NVNT a 5180MHz Ant1 Average



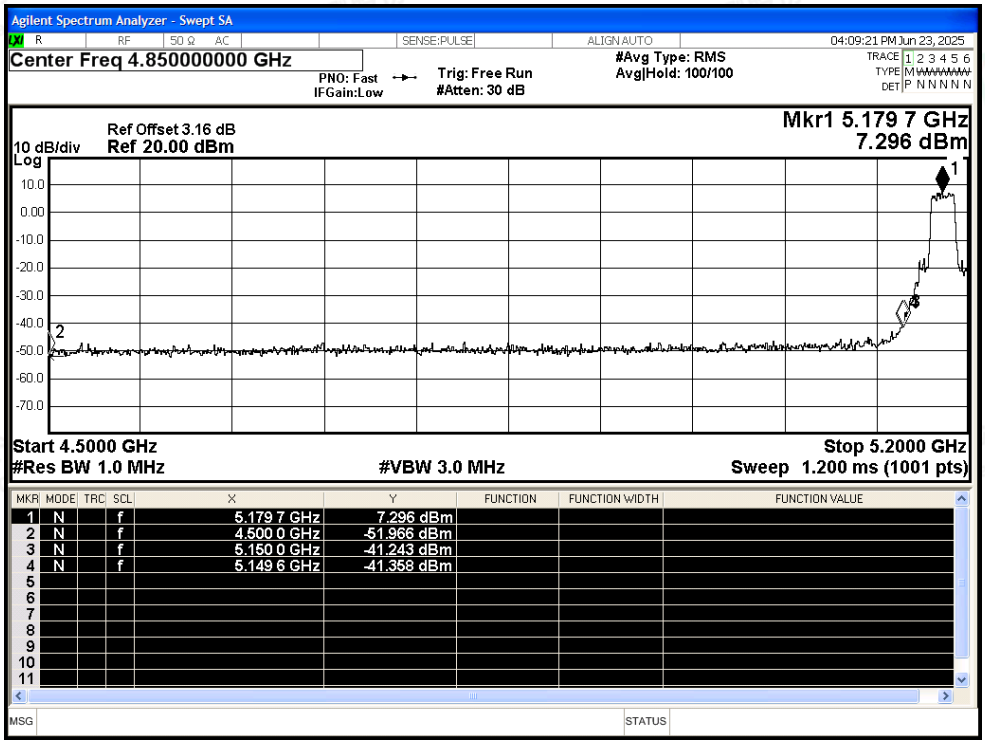
Restrict Band NVNT a 5240MHz Ant1 Peak



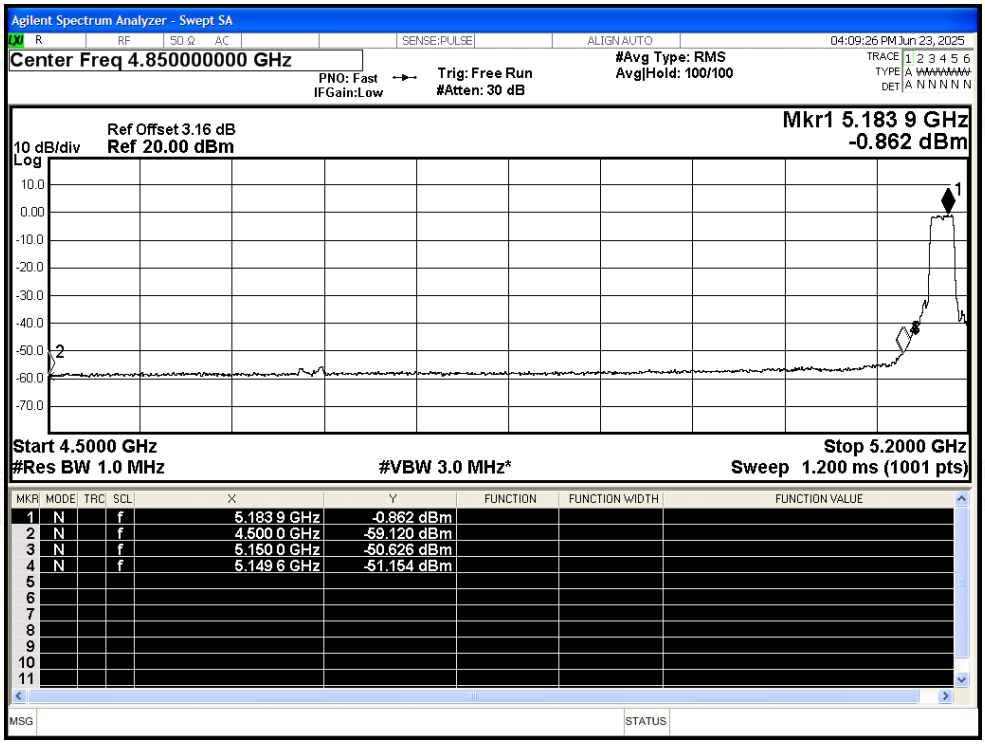
Restrict Band NVNT a 5240MHz Ant1 Average



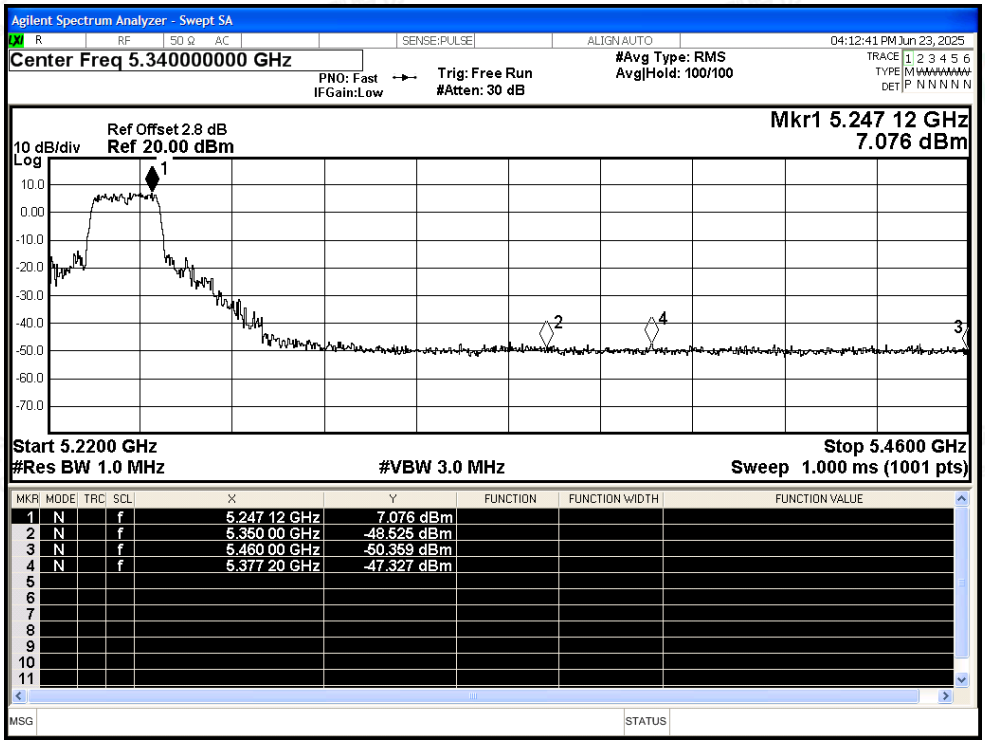
Restrict Band NVNT n20 5180MHz Ant1 Peak



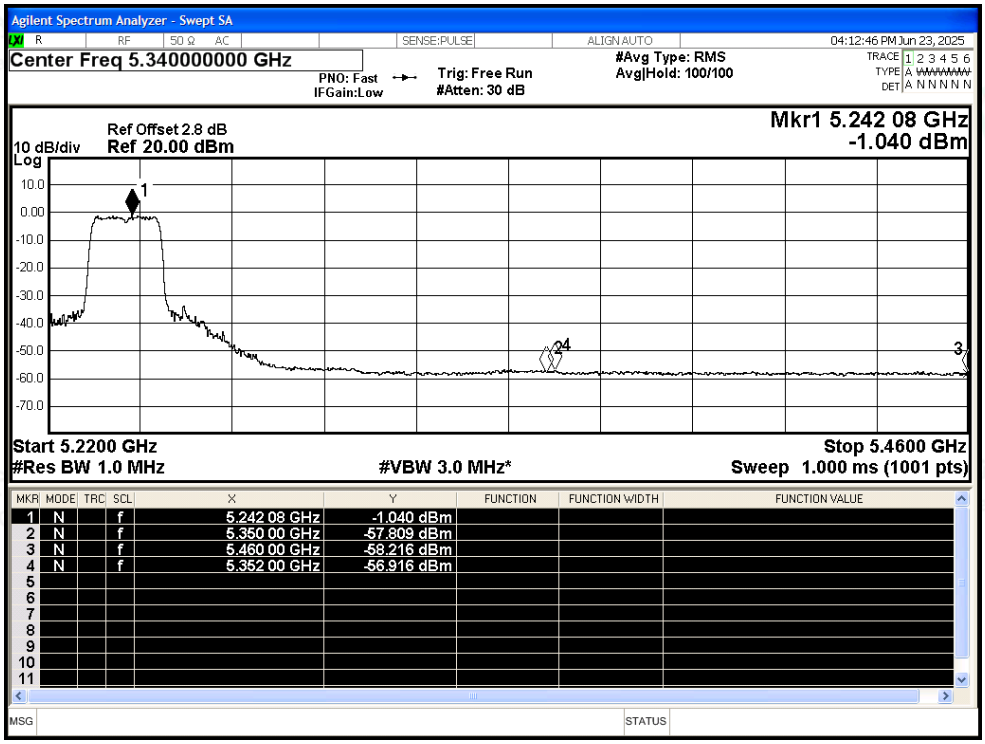
Restrict Band NVNT n20 5180MHz Ant1 Average



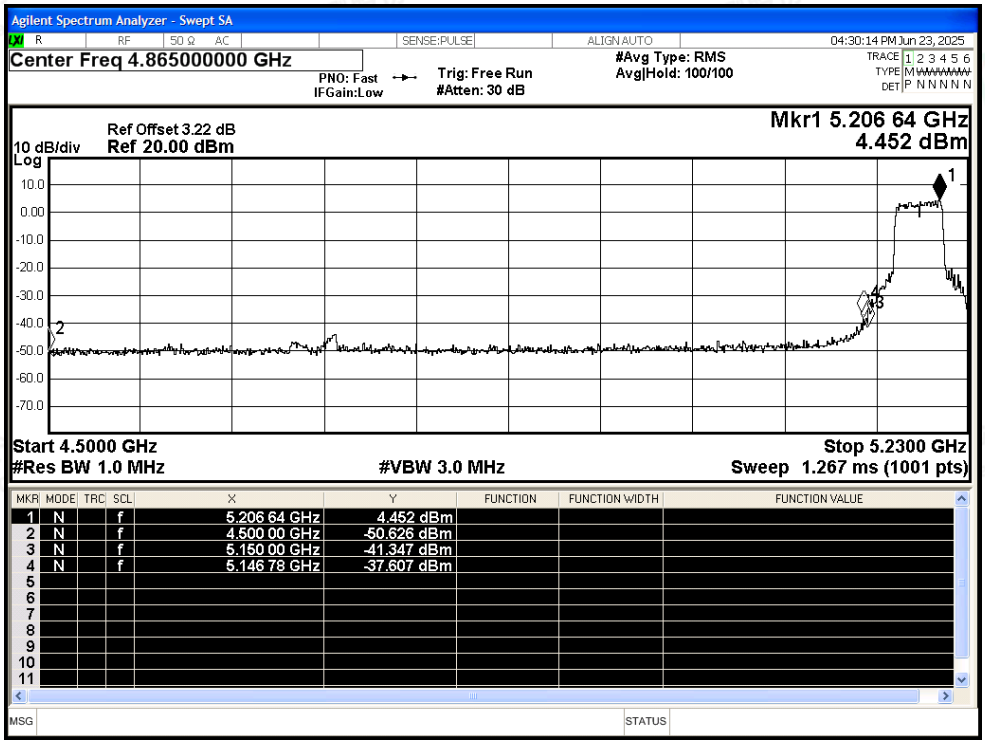
Restrict Band NVNT n20 5240MHz Ant1 Peak



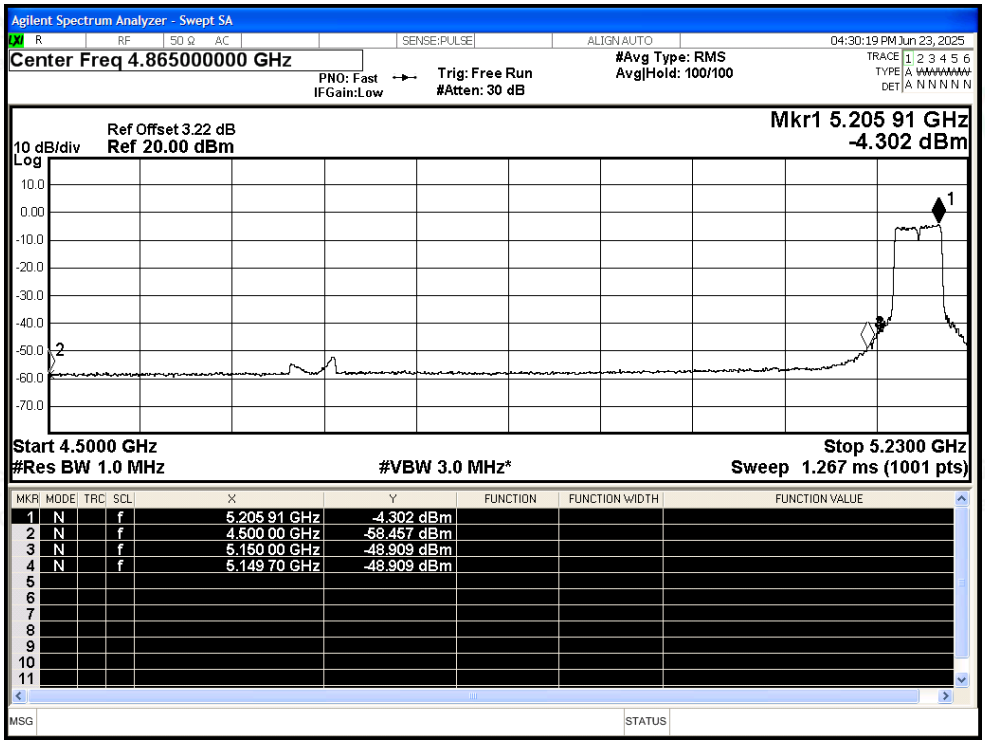
Restrict Band NVNT n20 5240MHz Ant1 Average



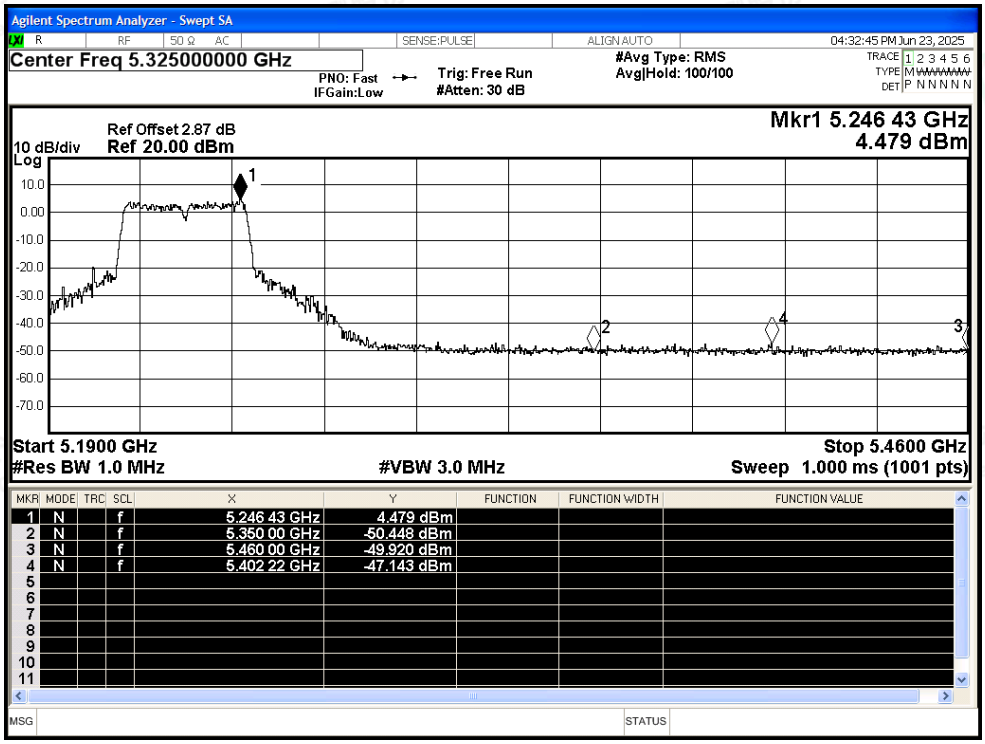
Restrict Band NVNT n40 5190MHz Ant1 Peak



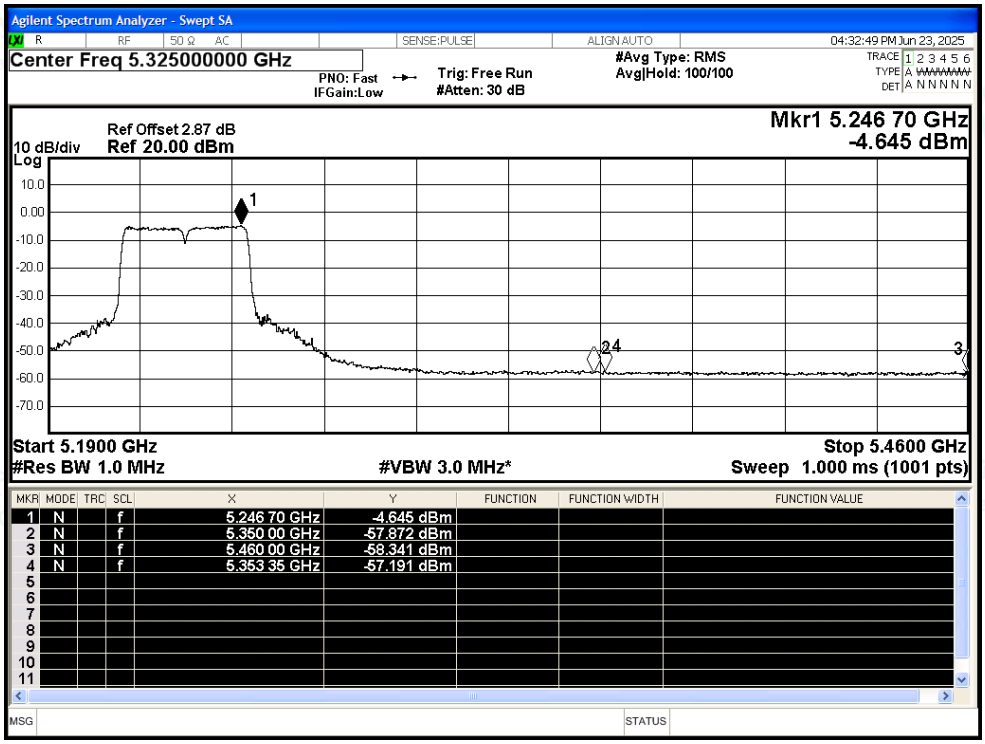
Restrict Band NVNT n40 5190MHz Ant1 Average



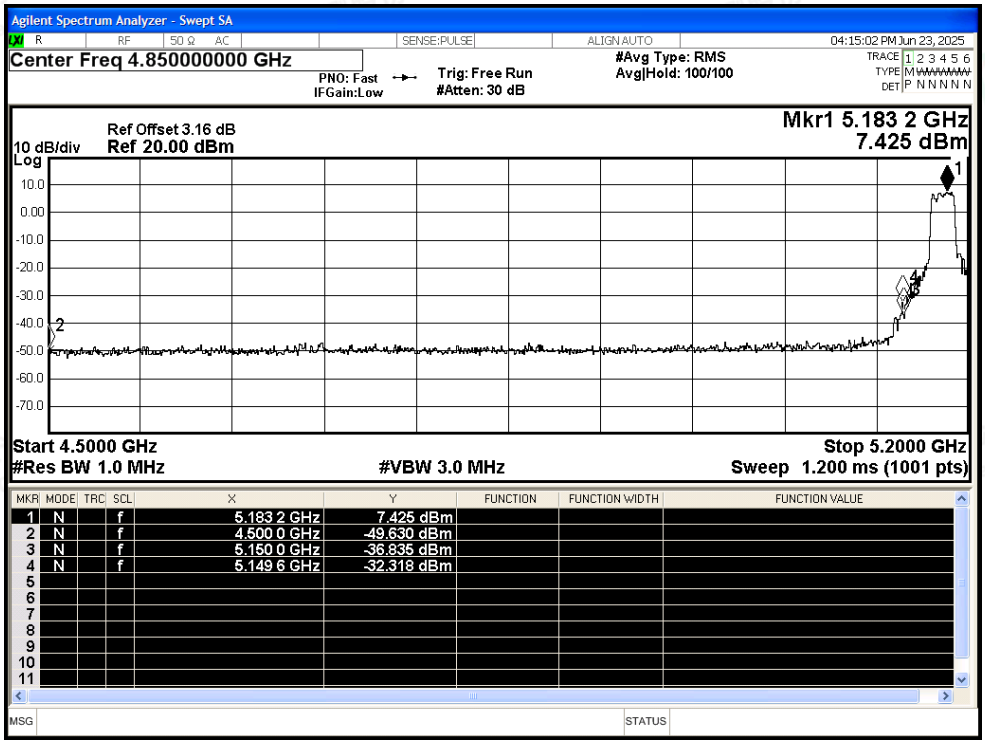
Restrict Band NVNT n40 5230MHz Ant1 Peak



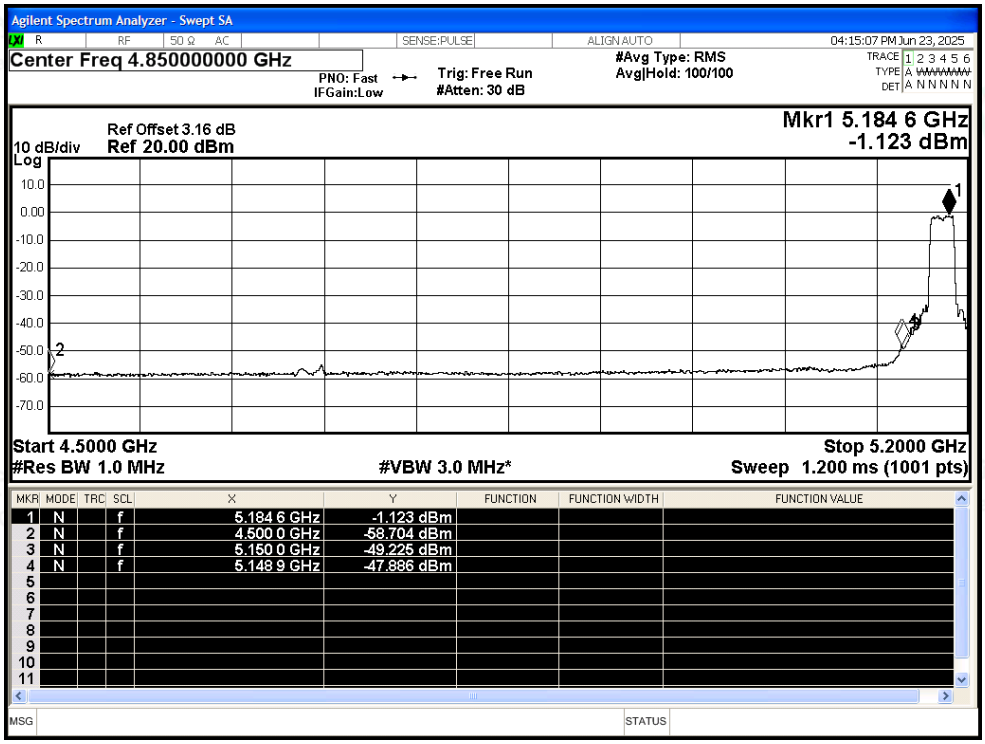
Restrict Band NVNT n40 5230MHz Ant1 Average



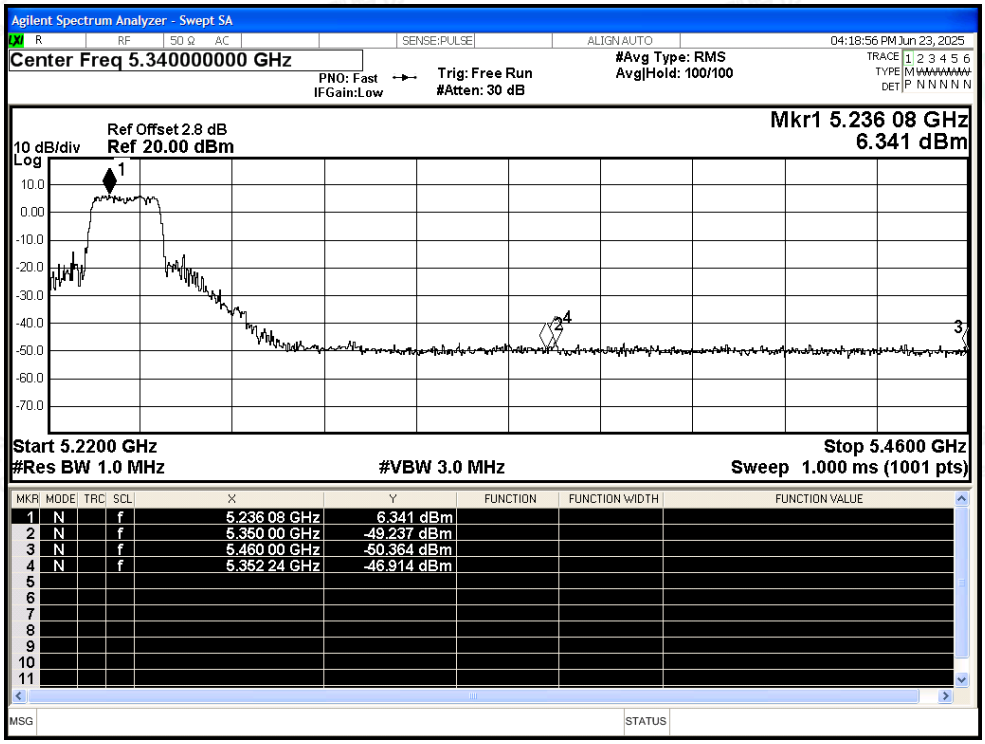
Restrict Band NVNT ac20 5180MHz Ant1 Peak



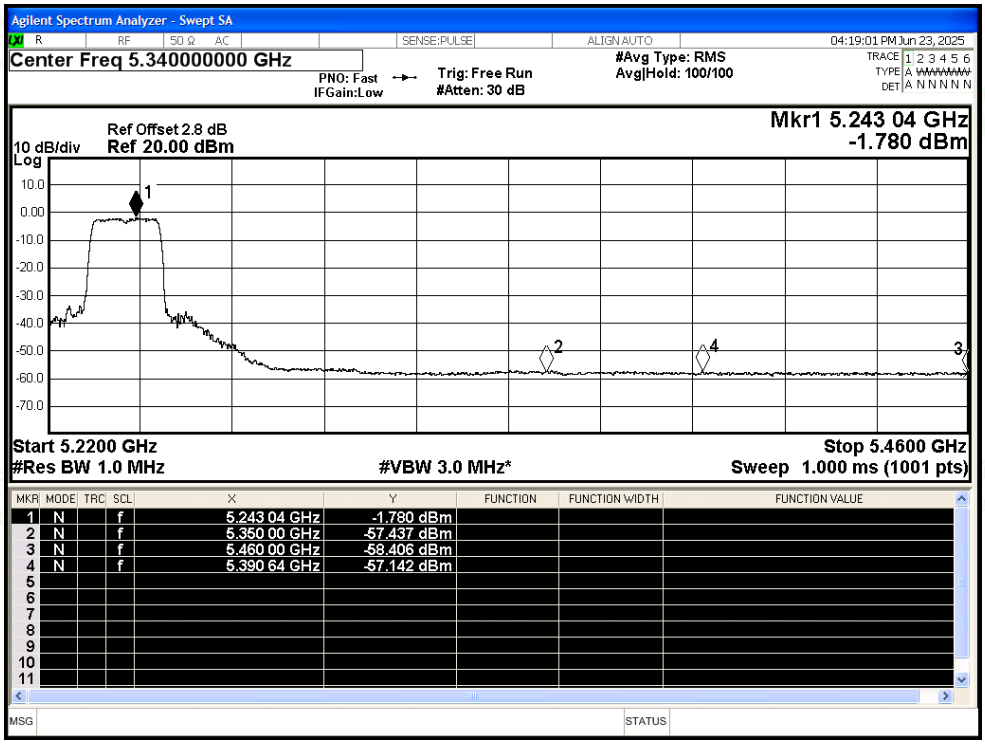
Restrict Band NVNT ac20 5180MHz Ant1 Average



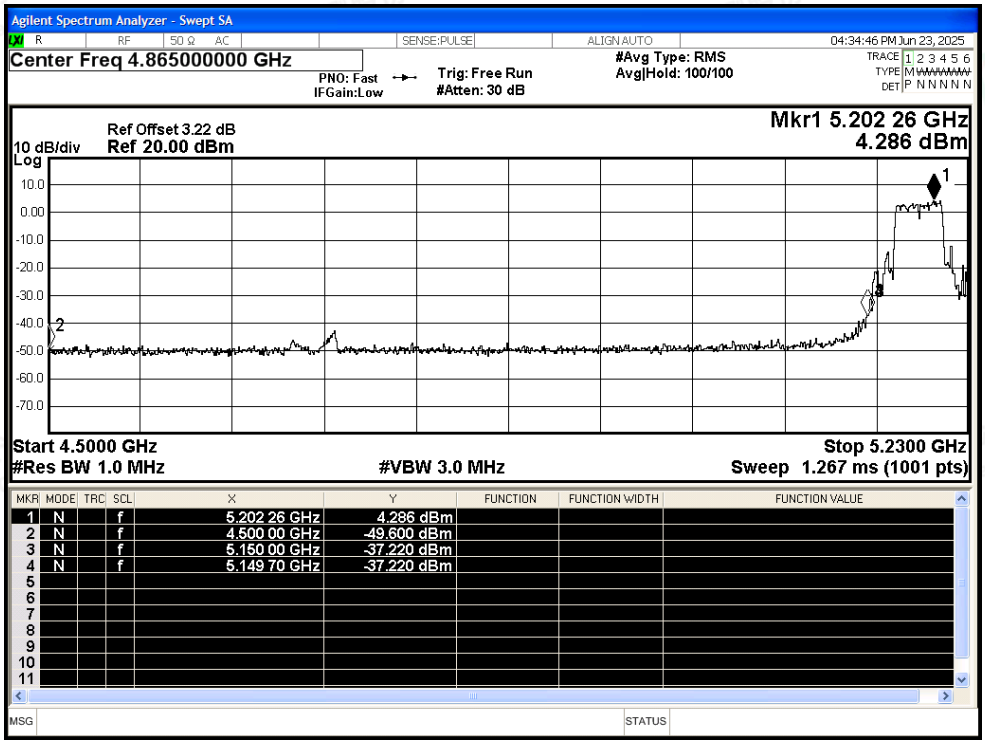
Restrict Band NVNT ac20 5240MHz Ant1 Peak



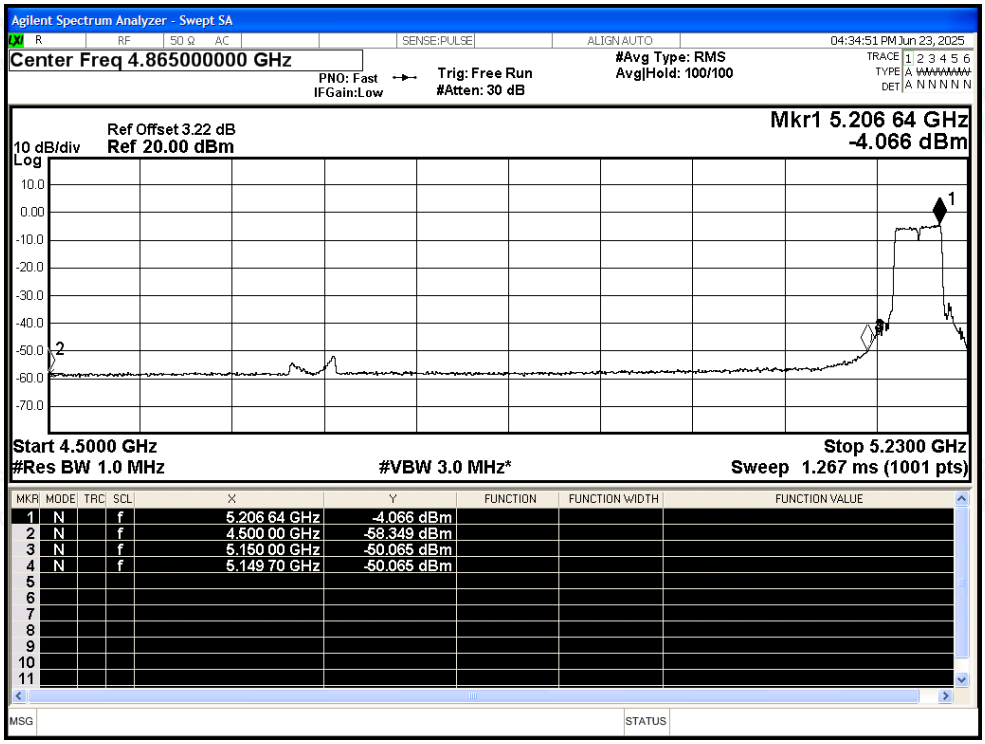
Restrict Band NVNT ac20 5240MHz Ant1 Average



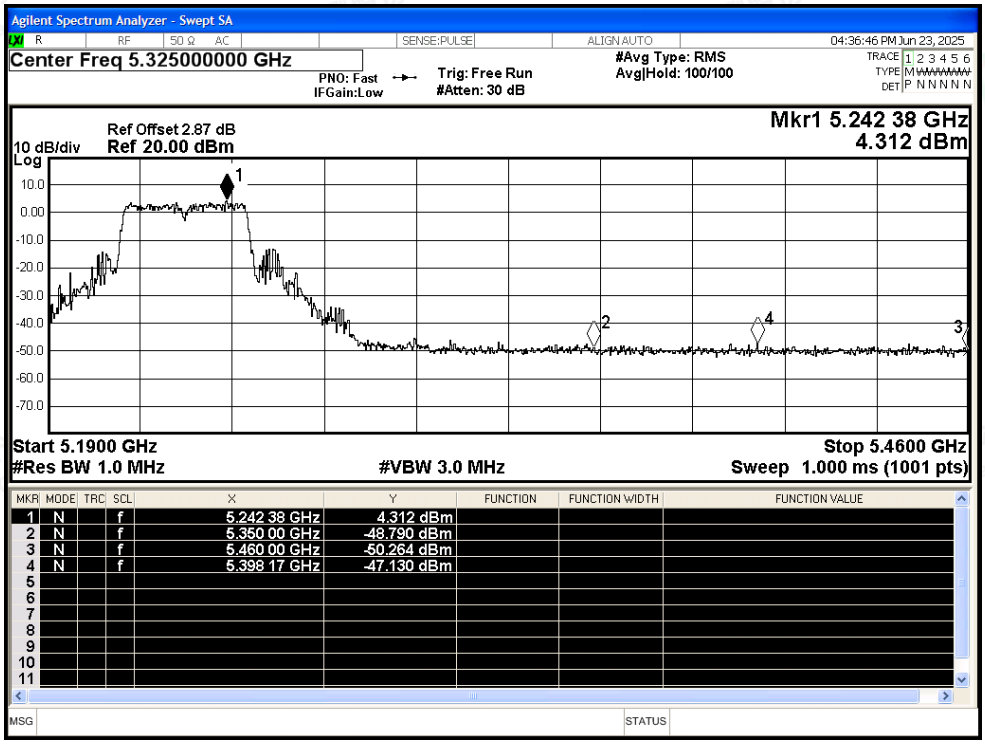
Restrict Band NVNT ac40 5190MHz Ant1 Peak



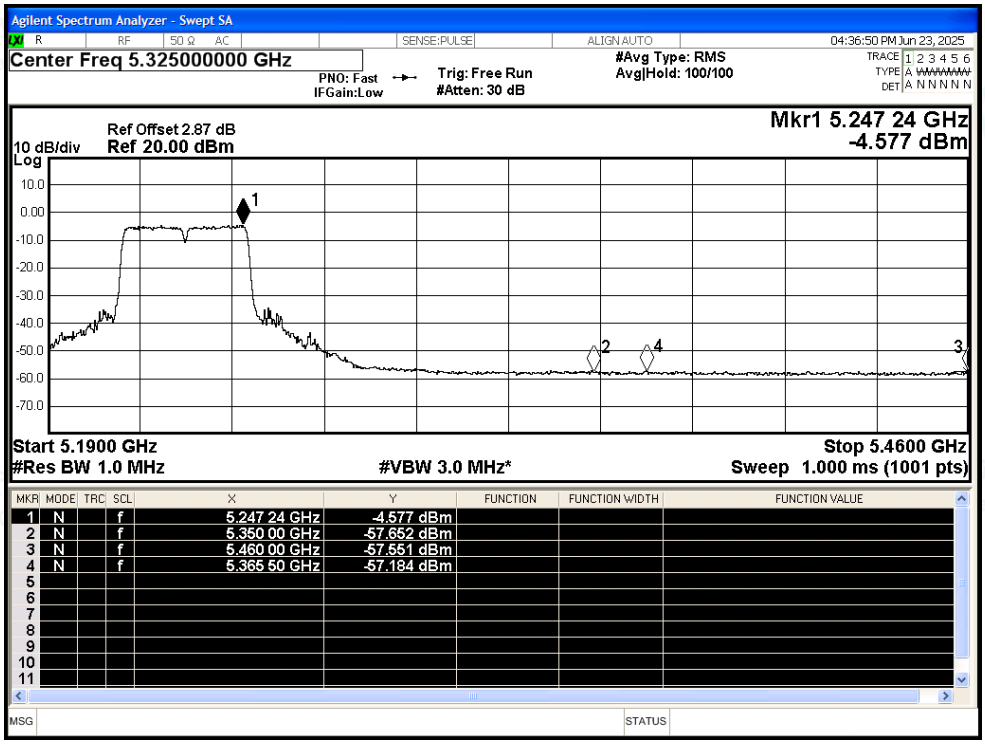
Restrict Band NVNT ac40 5190MHz Ant1 Average



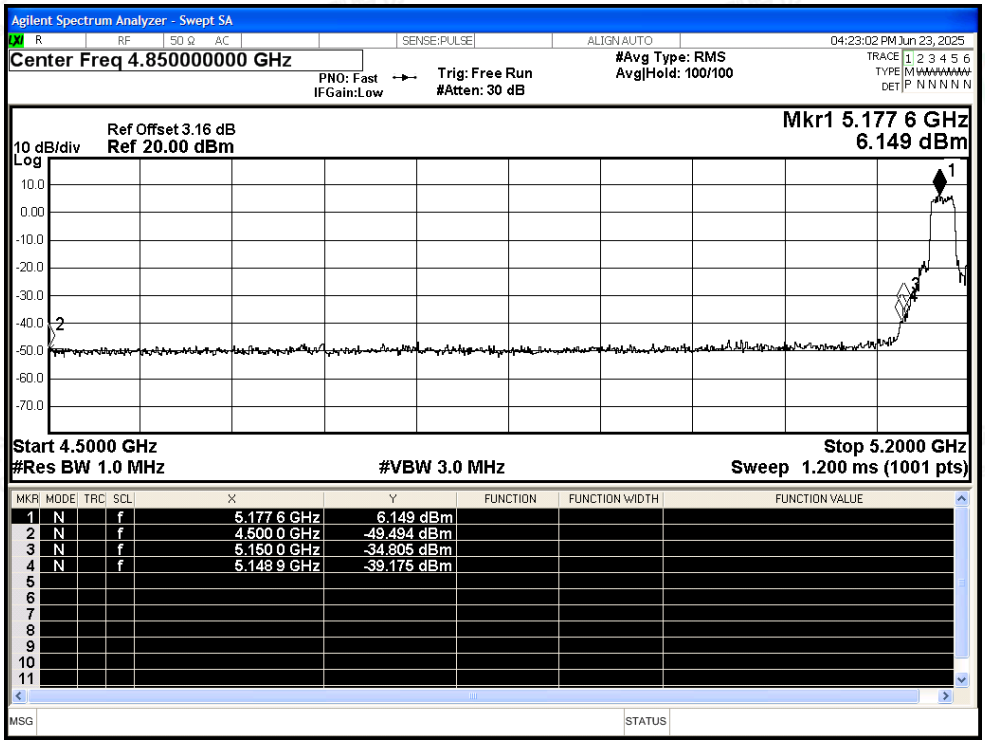
Restrict Band NVNT ac40 5230MHz Ant1 Peak



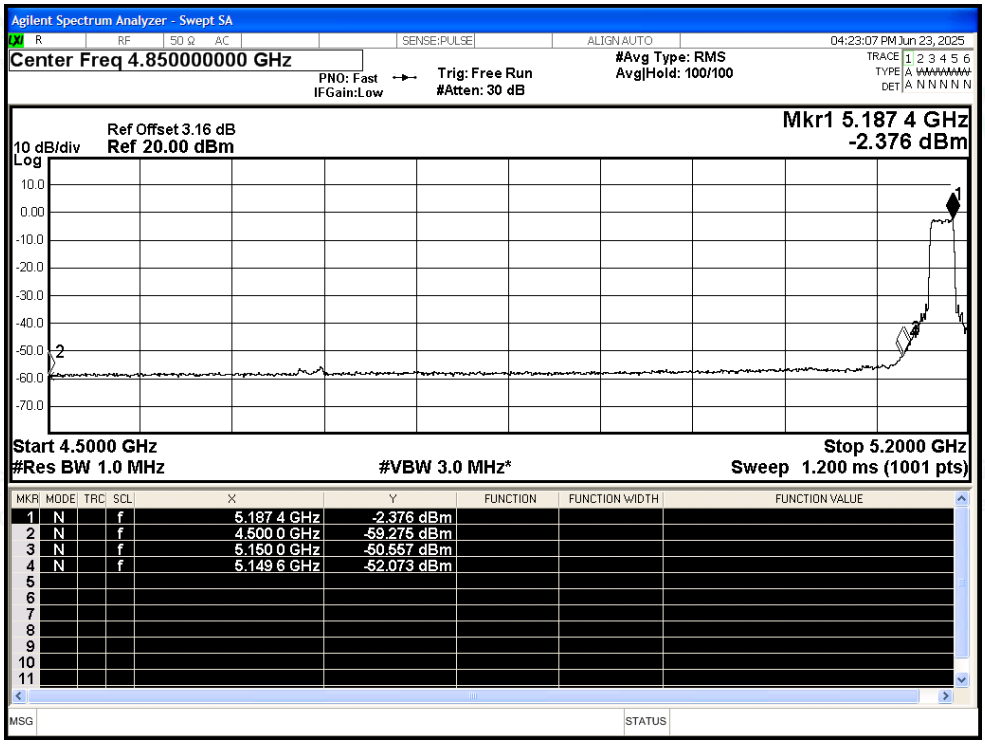
Restrict Band NVNT ac40 5230MHz Ant1 Average



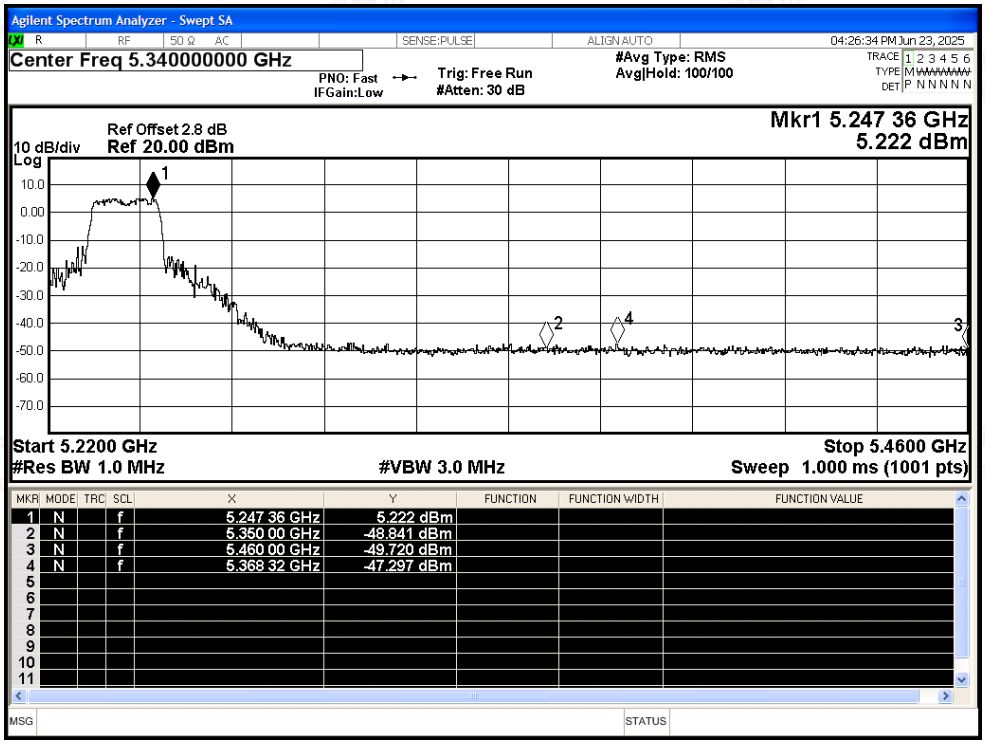
Restrict Band NVNT ax20 5180MHz Ant1 Peak



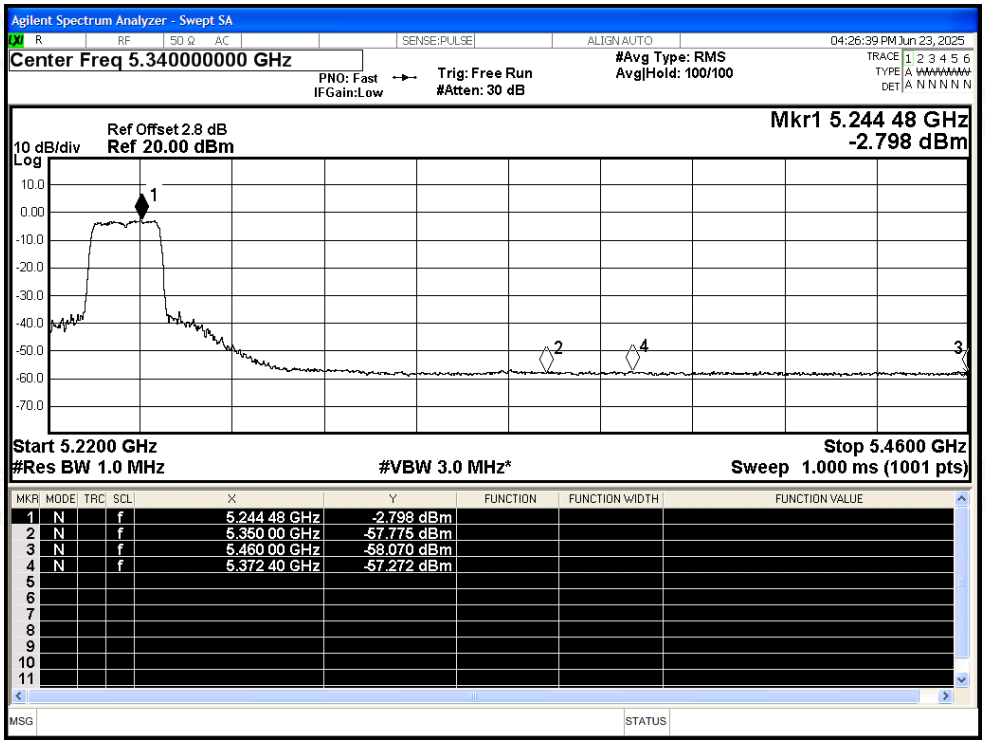
Restrict Band NVNT ax20 5180MHz Ant1 Average



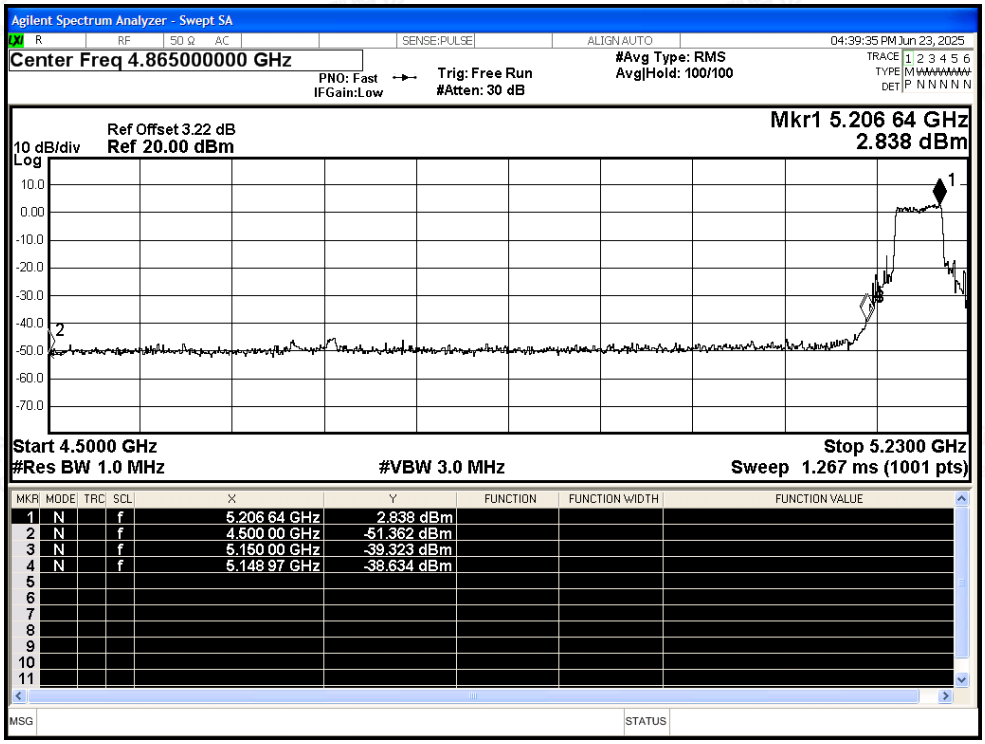
Restrict Band NVNT ax20 5240MHz Ant1 Peak



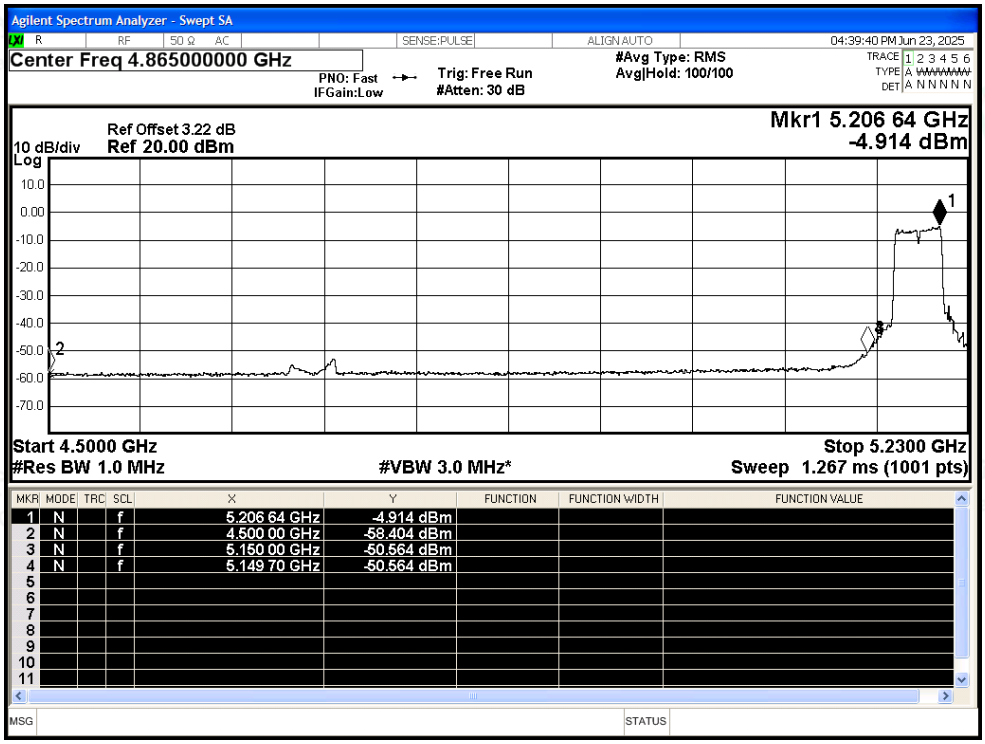
Restrict Band NVNT ax20 5240MHz Ant1 Average



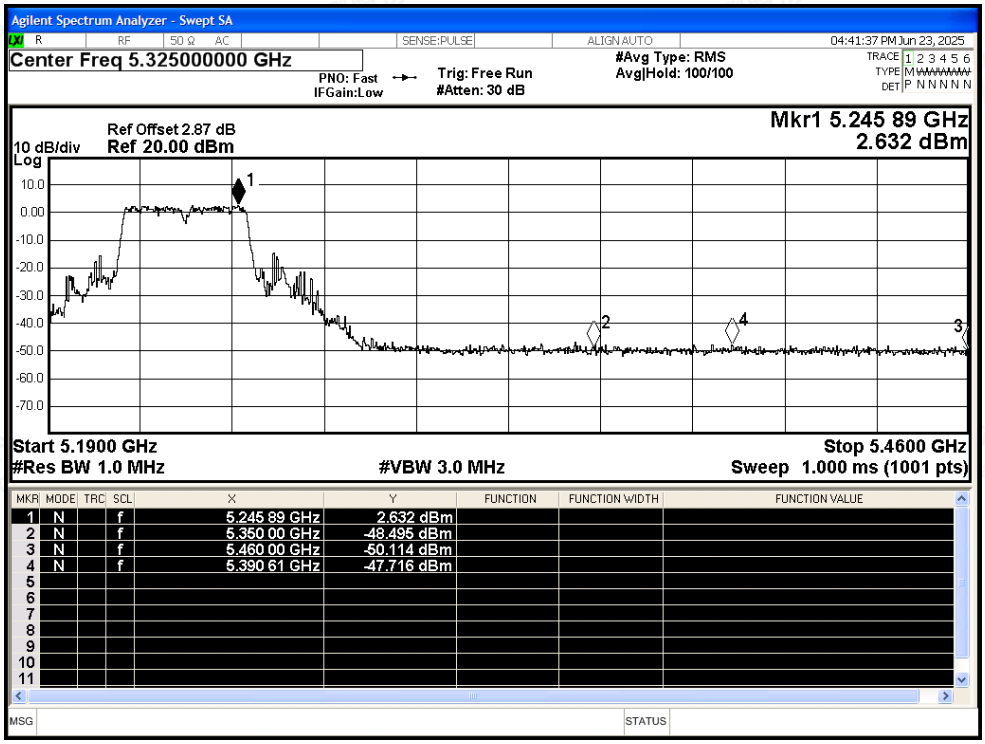
Restrict Band NVNT ax40 5190MHz Ant1 Peak



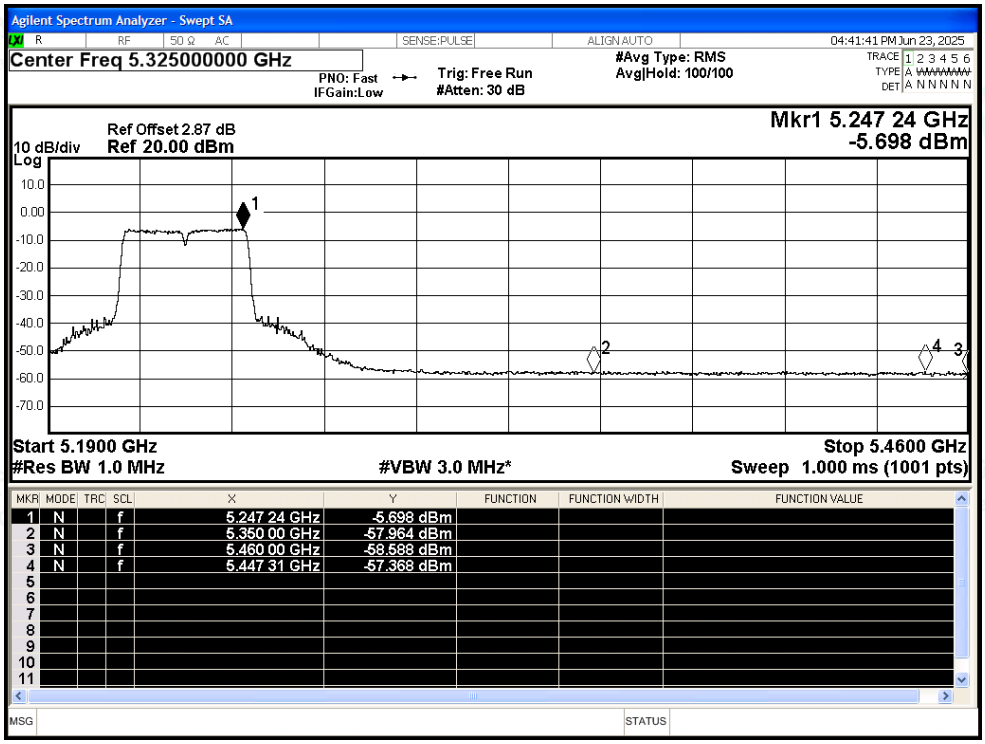
Restrict Band NVNT ax40 5190MHz Ant1 Average



Restrict Band NVNT ax40 5230MHz Ant1 Peak



Restrict Band NVNT ax40 5230MHz Ant1 Average



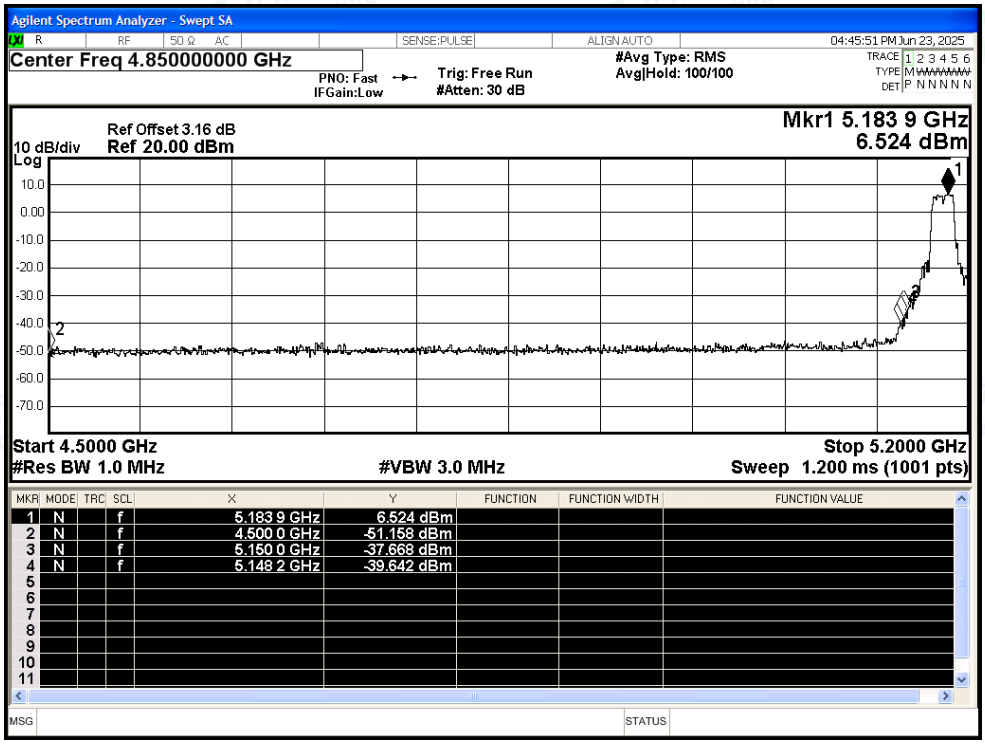
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant2	4500	-51.16	2.99	-	47.06	Peak	68.2	Pass
NVNT	a	5180	Ant2	4500	-59.1	2.99	0.24	39.36	Average	54	Pass
NVNT	a	5180	Ant2	5148.2	-39.64	2.99	-	58.58	Peak	68.2	Pass
NVNT	a	5180	Ant2	5148.9	-51.95	2.99	0.24	46.51	Average	54	Pass
NVNT	a	5180	Ant2	5150	-37.67	2.99	-	60.55	Peak	68.2	Pass
NVNT	a	5180	Ant2	5150	-51.32	2.99	0.24	47.14	Average	54	Pass
NVNT	a	5240	Ant2	5350	-48.85	2.99	-	49.37	Peak	68.2	Pass
NVNT	a	5240	Ant2	5350	-57.43	2.99	0.24	41.03	Average	54	Pass
NVNT	a	5240	Ant2	5432.16	-47.38	2.99	-	50.84	Peak	68.2	Pass
NVNT	a	5240	Ant2	5382	-57.26	2.99	0.24	41.20	Average	54	Pass
NVNT	a	5240	Ant2	5460	-50.45	2.99	-	47.77	Peak	68.2	Pass
NVNT	a	5240	Ant2	5460	-58.69	2.99	0.24	39.77	Average	54	Pass
NVNT	n20	5180	Ant2	4500	-49.88	2.99	-	48.34	Peak	68.2	Pass
NVNT	n20	5180	Ant2	4500	-58.83	2.99	0.28	39.67	Average	54	Pass
NVNT	n20	5180	Ant2	5147.5	-36.53	2.99	-	61.69	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5149.6	-50.25	2.99	0.28	48.25	Average	54	Pass
NVNT	n20	5180	Ant2	5150	-39.23	2.99	-	58.99	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5150	-49.68	2.99	0.28	48.82	Average	54	Pass
NVNT	n20	5240	Ant2	5350	-49.26	2.99	-	48.96	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350	-56.83	2.99	0.28	41.67	Average	54	Pass
NVNT	n20	5240	Ant2	5452.32	-47.28	2.99	-	50.94	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350.08	-56.83	2.99	0.28	41.67	Average	54	Pass
NVNT	n20	5240	Ant2	5460	-49.44	2.99	-	48.78	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5460	-58.48	2.99	0.28	40.02	Average	54	Pass
NVNT	n40	5190	Ant2	4500	-50.83	2.99	-	47.39	Peak	68.2	Pass
NVNT	n40	5190	Ant2	4500	-58.51	2.99	0.54	40.25	Average	54	Pass
NVNT	n40	5190	Ant2	5149.7	-32.72	2.99	-	65.50	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5148.24	-49.1	2.99	0.54	49.66	Average	54	Pass
NVNT	n40	5190	Ant2	5150	-32.72	2.99	-	65.50	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5150	-49.86	2.99	0.54	48.90	Average	54	Pass
NVNT	n40	5230	Ant2	5350	-47.78	2.99	-	50.44	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5350	-57.53	2.99	0.55	41.24	Average	54	Pass
NVNT	n40	5230	Ant2	5383.59	-46.36	2.99	-	51.86	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5350.92	-57.16	2.99	0.55	41.61	Average	54	Pass
NVNT	n40	5230	Ant2	5460	-50.46	2.99	-	47.76	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5460	-58.37	2.99	0.55	40.40	Average	54	Pass
NVNT	ac20	5180	Ant2	4500	-49.87	2.99	-	48.35	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	4500	-58.71	2.99	0.28	39.79	Average	54	Pass
NVNT	ac20	5180	Ant2	5145.4	-32.72	2.99	-	65.50	Peak	68.2	Pass

NVNT	ac20	5180	Ant2	5148.9	-50.07	2.99	0.28	48.43	Average	54	Pass
NVNT	ac20	5180	Ant2	5150	-36.27	2.99	-	61.95	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5150	-49.87	2.99	0.28	48.63	Average	54	Pass
NVNT	ac20	5240	Ant2	5350	-50.54	2.99	-	47.68	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5350	-58.01	2.99	0.28	40.49	Average	54	Pass
NVNT	ac20	5240	Ant2	5370.24	-46.37	2.99	-	51.85	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5365.68	-57.4	2.99	0.28	41.10	Average	54	Pass
NVNT	ac20	5240	Ant2	5460	-50.62	2.99	-	47.60	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5460	-58.57	2.99	0.28	39.93	Average	54	Pass
NVNT	ac40	5190	Ant2	4500	-50.61	2.99	-	47.61	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	4500	-58.39	2.99	0.53	40.36	Average	54	Pass
NVNT	ac40	5190	Ant2	5146.78	-36.56	2.99	-	61.66	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5149.7	-49.04	2.99	0.53	49.71	Average	54	Pass
NVNT	ac40	5190	Ant2	5150	-38.65	2.99	-	59.57	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5150	-49.04	2.99	0.53	49.71	Average	54	Pass
NVNT	ac40	5230	Ant2	5350	-50.72	2.99	-	47.50	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5350	-57.19	2.99	0.53	41.56	Average	54	Pass
NVNT	ac40	5230	Ant2	5415.72	-47.4	2.99	-	50.82	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5403.3	-57.18	2.99	0.53	41.57	Average	54	Pass
NVNT	ac40	5230	Ant2	5460	-51.13	2.99	-	47.09	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5460	-57.97	2.99	0.53	40.78	Average	54	Pass
NVNT	ax20	5180	Ant2	4500	-50.04	2.99	-	48.18	Peak	68.2	Pass
NVNT	ax20	5180	Ant2	4500	-58.96	2.99	0.28	39.54	Average	54	Pass
NVNT	ax20	5180	Ant2	5147.5	-38.68	2.99	-	59.54	Peak	68.2	Pass
NVNT	ax20	5180	Ant2	5149.6	-51.75	2.99	0.28	46.75	Average	54	Pass
NVNT	ax20	5180	Ant2	5150	-40.1	2.99	-	58.12	Peak	68.2	Pass
NVNT	ax20	5180	Ant2	5150	-51.68	2.99	0.28	46.82	Average	54	Pass
NVNT	ax20	5240	Ant2	5350	-49.35	2.99	-	48.87	Peak	68.2	Pass
NVNT	ax20	5240	Ant2	5350	-57.24	2.99	0.28	41.26	Average	54	Pass
NVNT	ax20	5240	Ant2	5385.84	-47.46	2.99	-	50.76	Peak	68.2	Pass
NVNT	ax20	5240	Ant2	5351.76	-57.24	2.99	0.28	41.26	Average	54	Pass
NVNT	ax20	5240	Ant2	5460	-50.93	2.99	-	47.29	Peak	68.2	Pass
NVNT	ax20	5240	Ant2	5460	-58.15	2.99	0.28	40.35	Average	54	Pass
NVNT	ax40	5190	Ant2	4500	-49.81	2.99	-	48.41	Peak	68.2	Pass
NVNT	ax40	5190	Ant2	4500	-58.84	2.99	0.53	39.91	Average	54	Pass
NVNT	ax40	5190	Ant2	5146.78	-37.19	2.99	-	61.03	Peak	68.2	Pass
NVNT	ax40	5190	Ant2	5149.7	-50.6	2.99	0.53	48.15	Average	54	Pass
NVNT	ax40	5190	Ant2	5150	-40.2	2.99	-	58.02	Peak	68.2	Pass
NVNT	ax40	5190	Ant2	5150	-50.6	2.99	0.53	48.15	Average	54	Pass
NVNT	ax40	5230	Ant2	5350	-49.93	2.99	-	48.29	Peak	68.2	Pass
NVNT	ax40	5230	Ant2	5350	-57.7	2.99	0.53	41.05	Average	54	Pass
NVNT	ax40	5230	Ant2	5369.01	-46.06	2.99	-	52.16	Peak	68.2	Pass
NVNT	ax40	5230	Ant2	5350.65	-57.37	2.99	0.53	41.38	Average	54	Pass

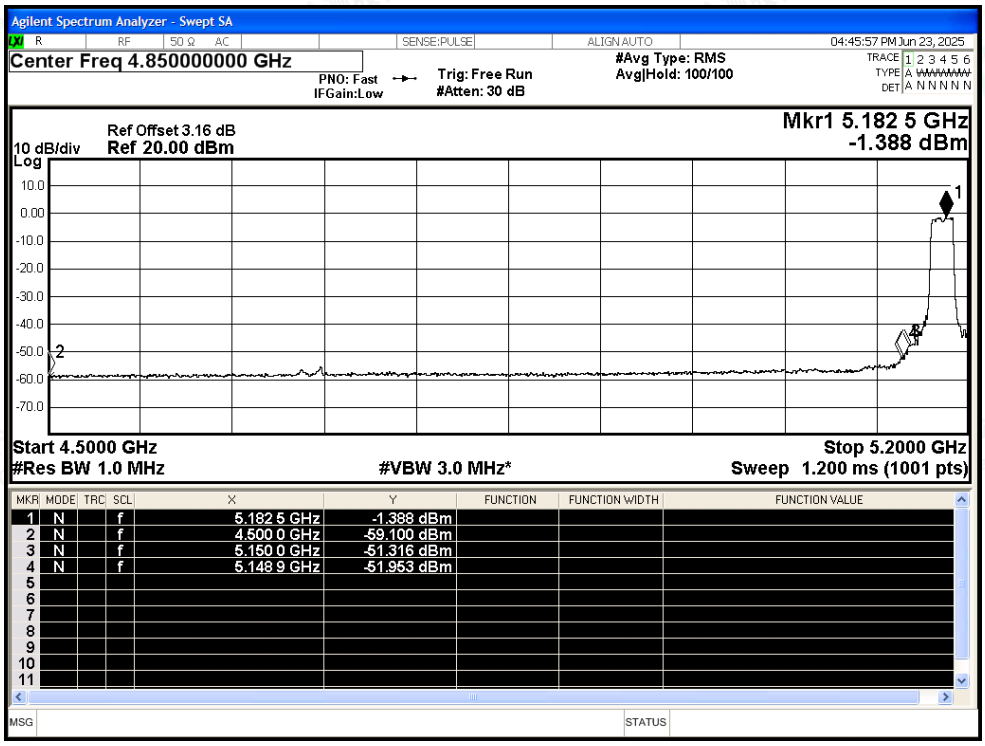
NVNT	ax40	5230	Ant2	5460	-50.75	2.99	-	47.47	Peak	68.2	Pass
NVNT	ax40	5230	Ant2	5460	-58.24	2.99	0.53	40.51	Average	54	Pass

Test Graphs

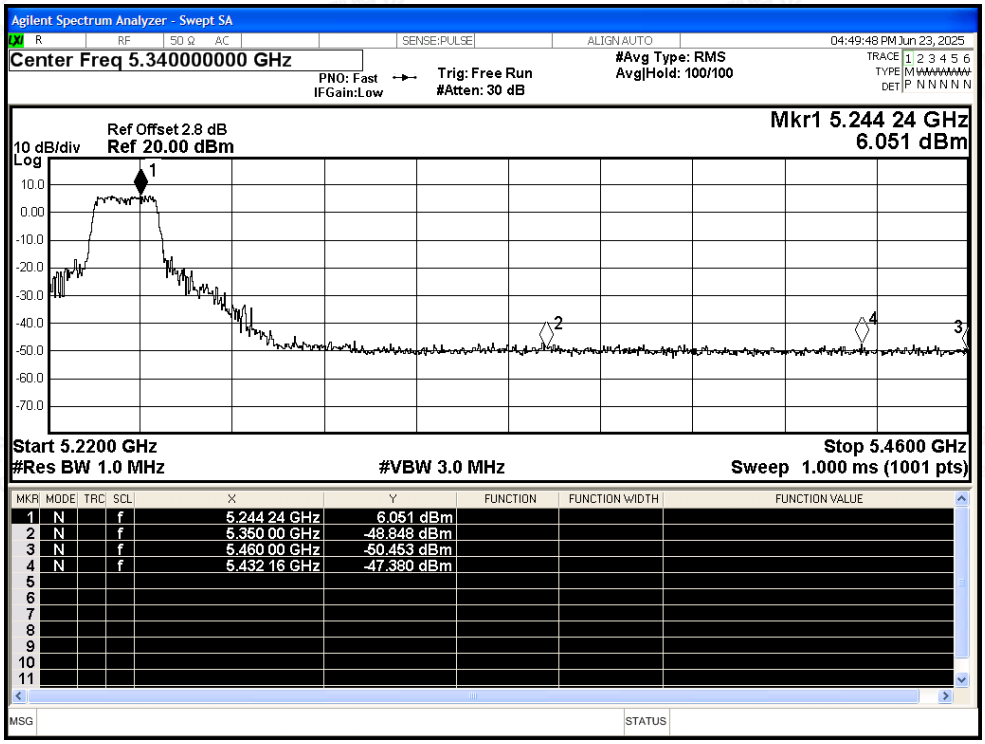
Restrict Band NVNT a 5180MHz Ant2 Peak



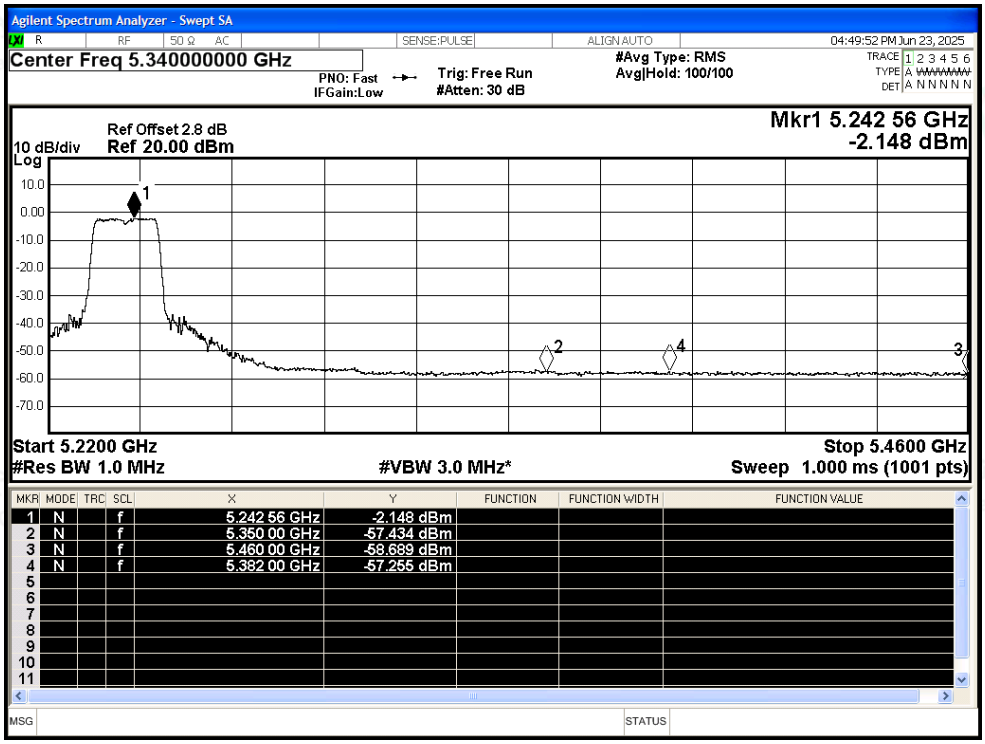
Restrict Band NVNT a 5180MHz Ant2 Average



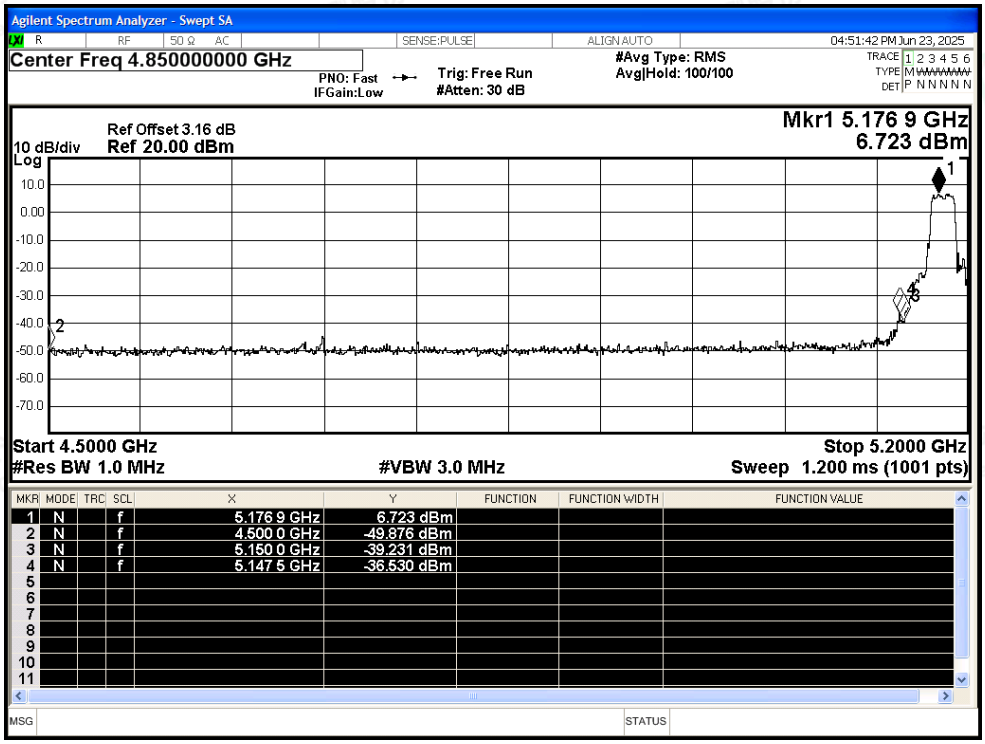
Restrict Band NVNT a 5240MHz Ant2 Peak



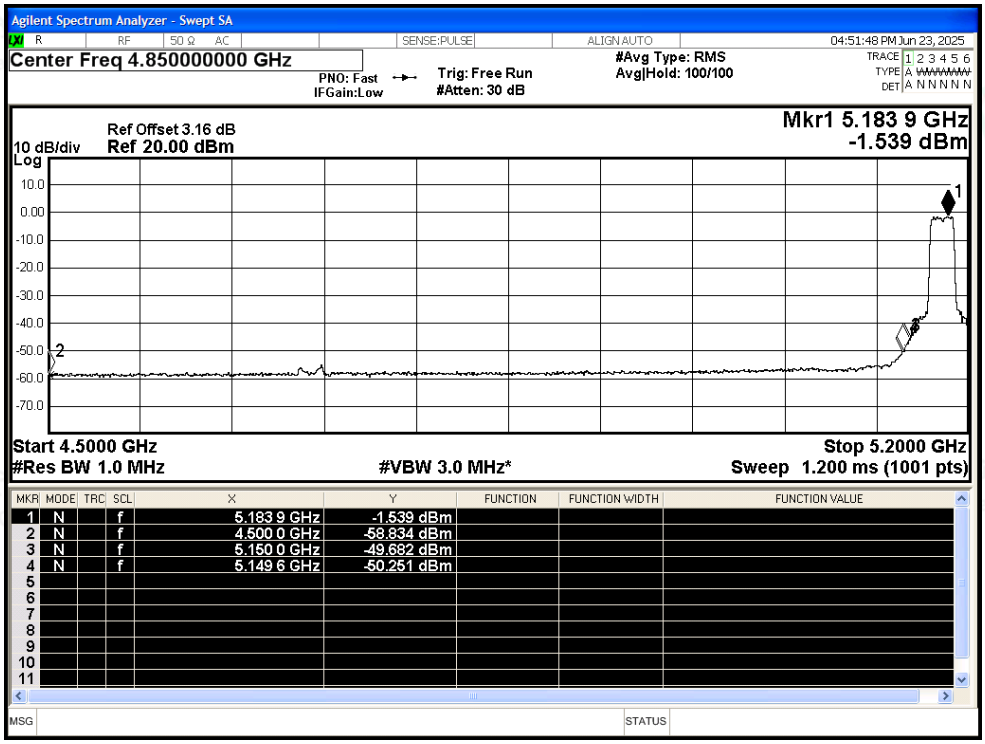
Restrict Band NVNT a 5240MHz Ant2 Average



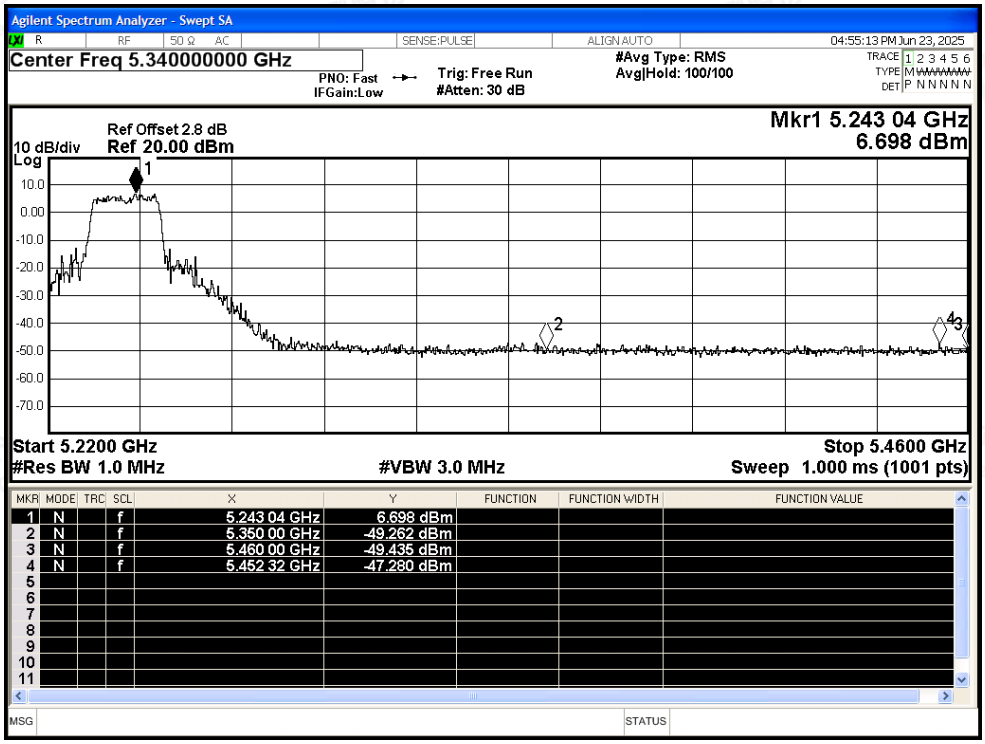
Restrict Band NVNT n20 5180MHz Ant2 Peak



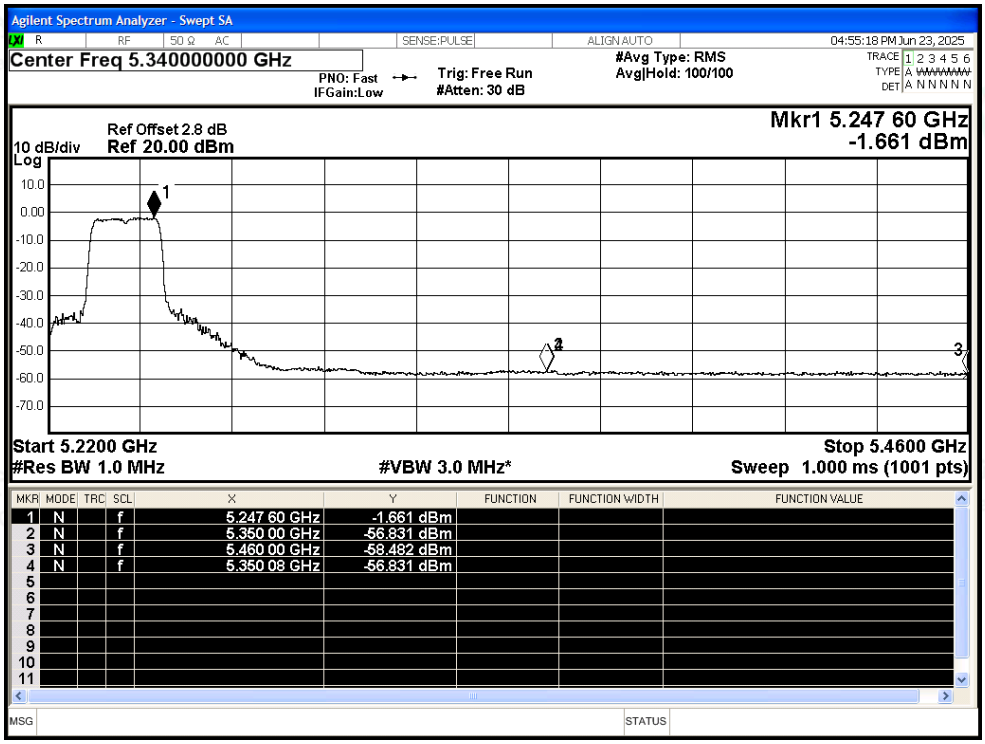
Restrict Band NVNT n20 5180MHz Ant2 Average



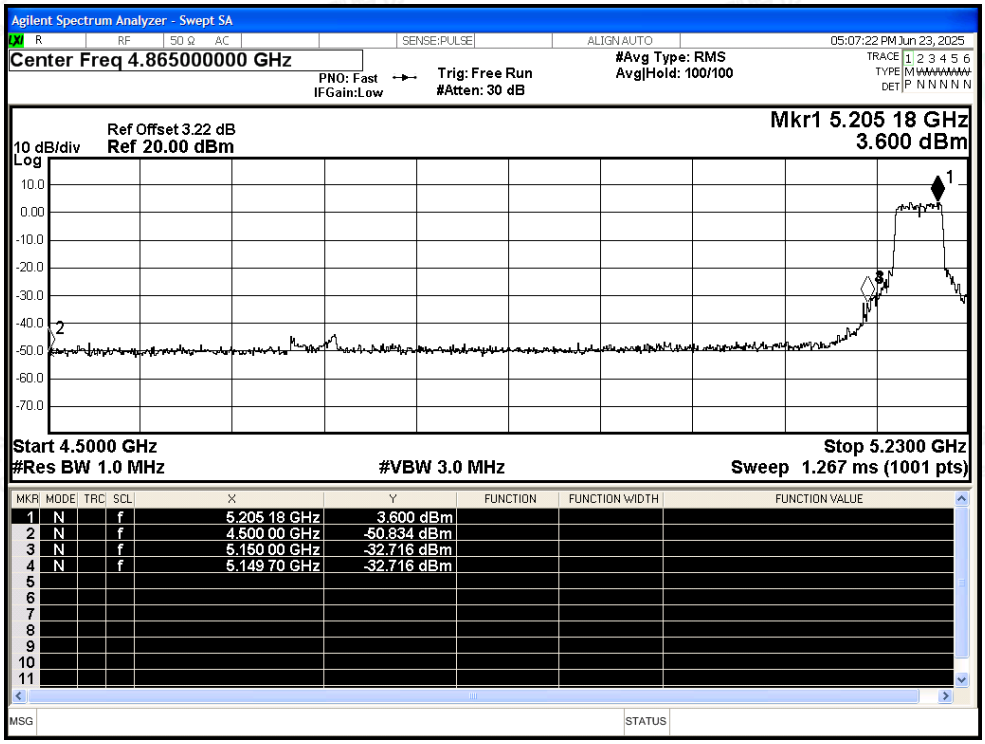
Restrict Band NVNT n20 5240MHz Ant2 Peak



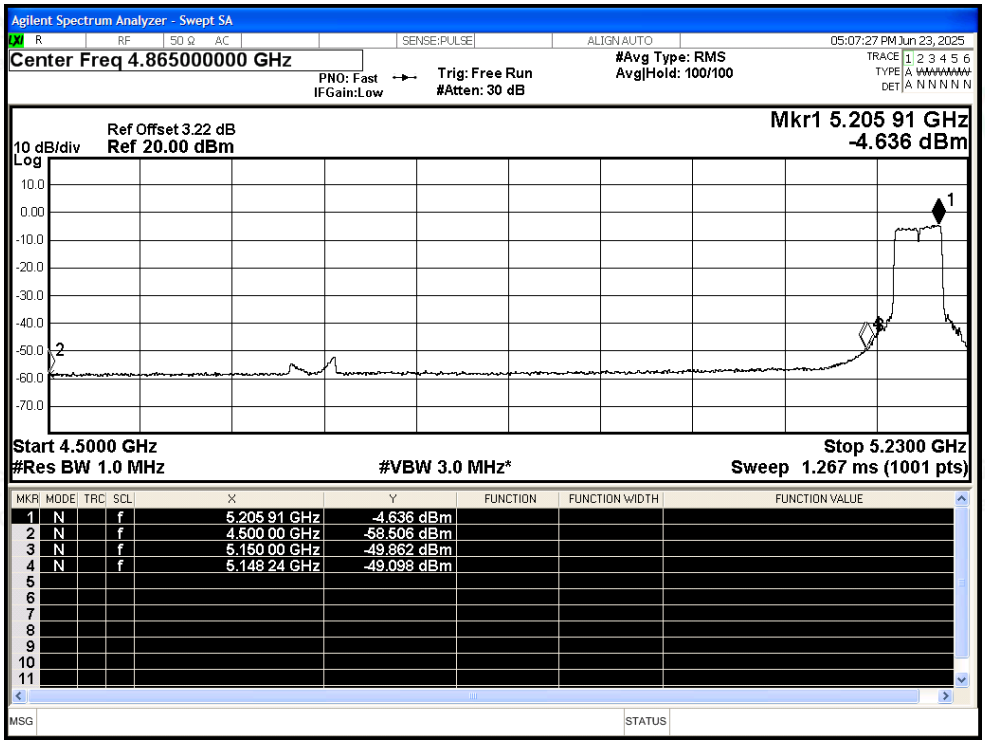
Restrict Band NVNT n20 5240MHz Ant2 Average



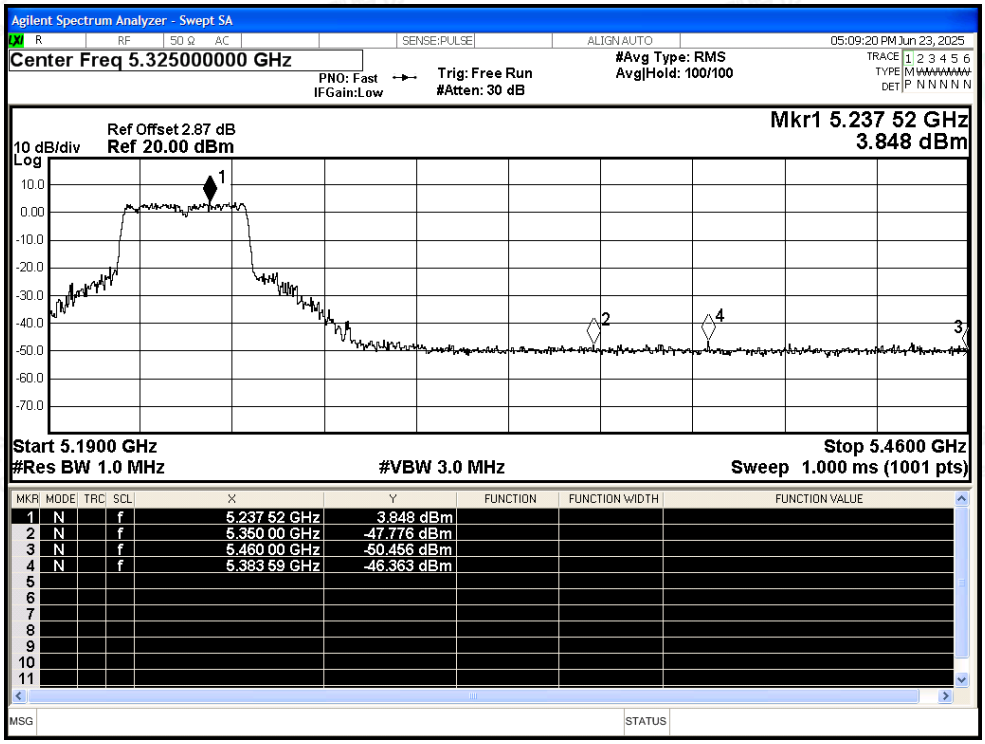
Restrict Band NVNT n40 5190MHz Ant2 Peak



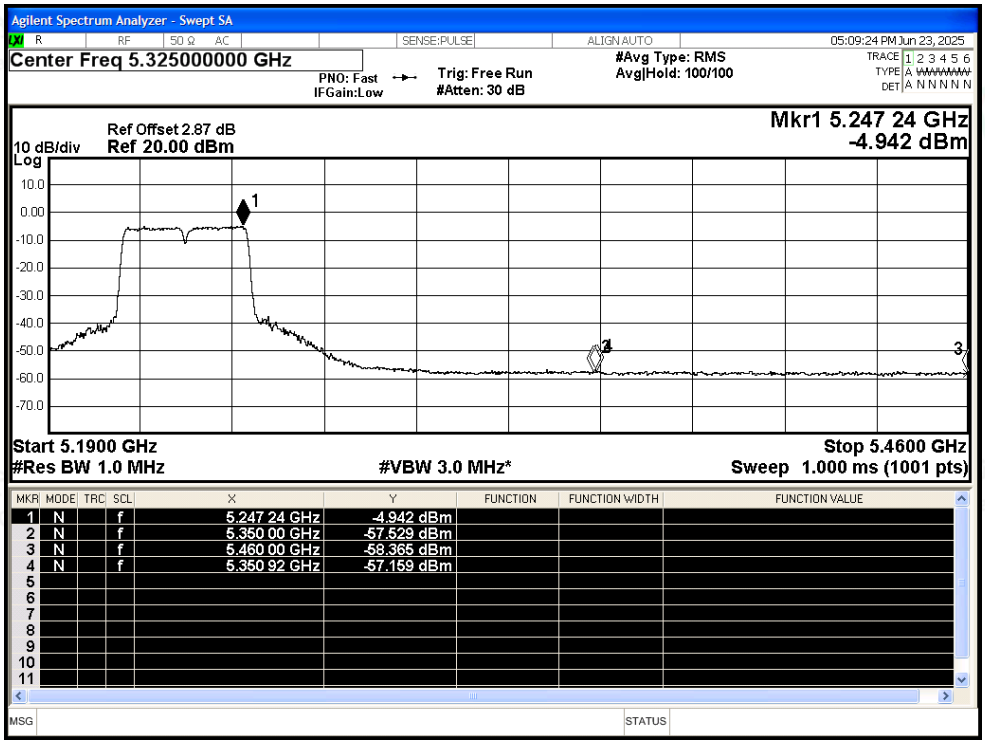
Restrict Band NVNT n40 5190MHz Ant2 Average



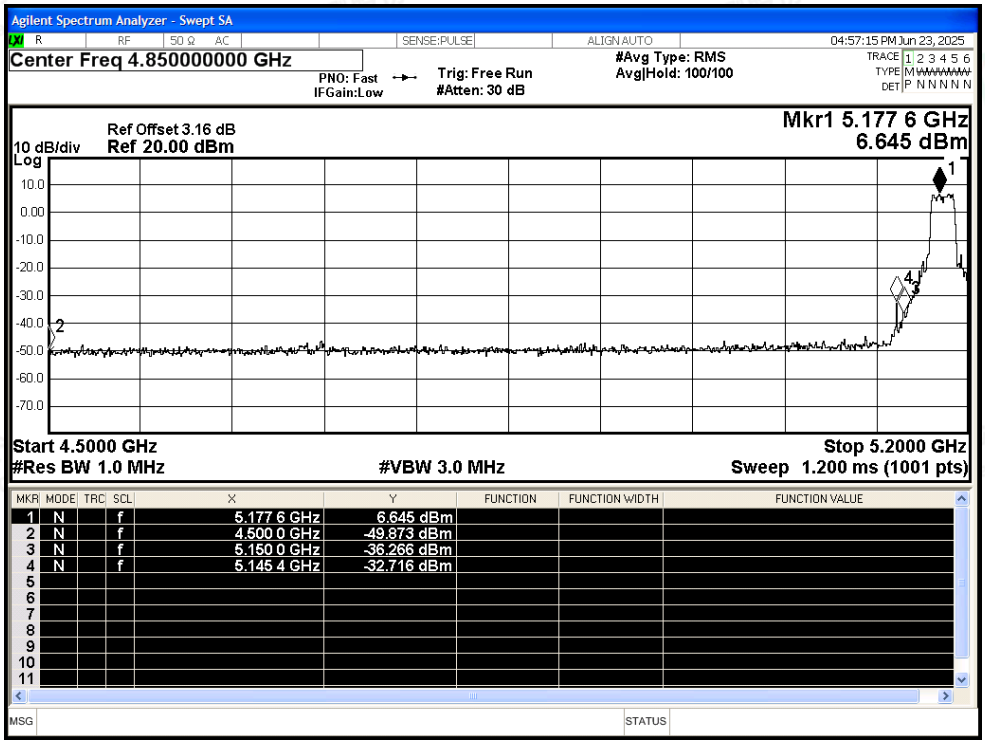
Restrict Band NVNT n40 5230MHz Ant2 Peak



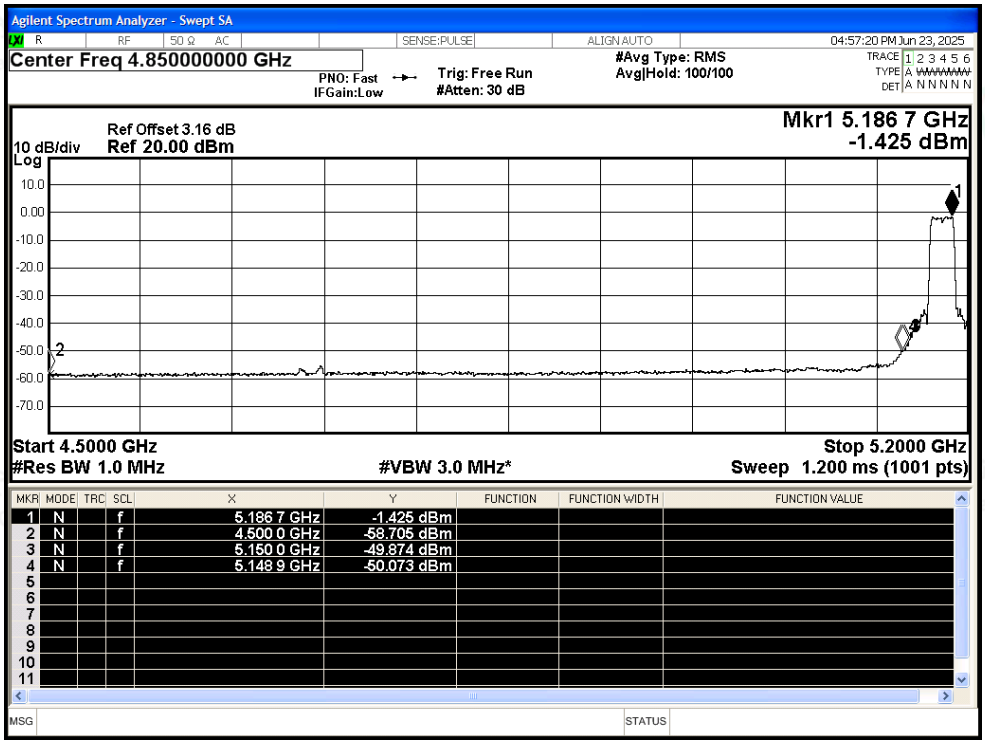
Restrict Band NVNT n40 5230MHz Ant2 Average



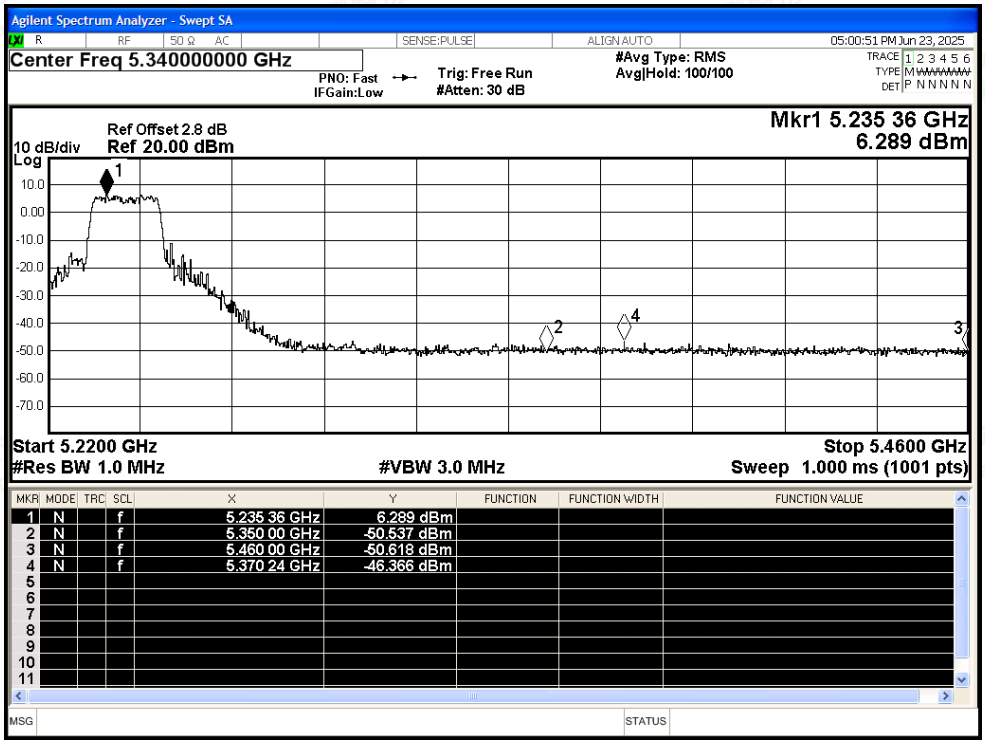
Restrict Band NVNT ac20 5180MHz Ant2 Peak



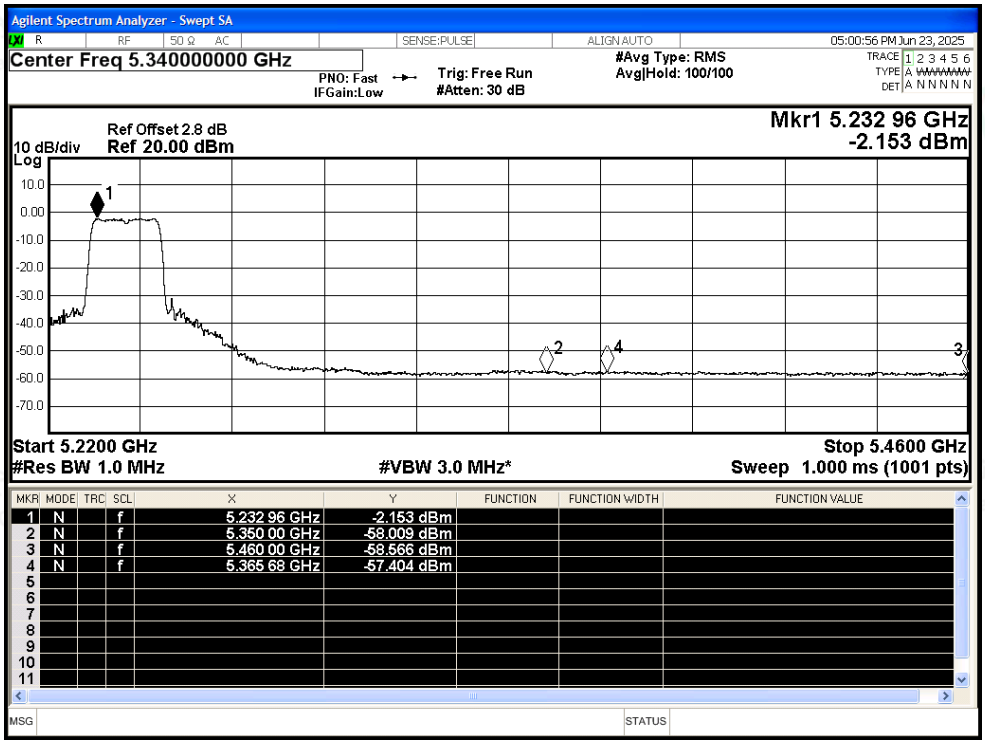
Restrict Band NVNT ac20 5180MHz Ant2 Average



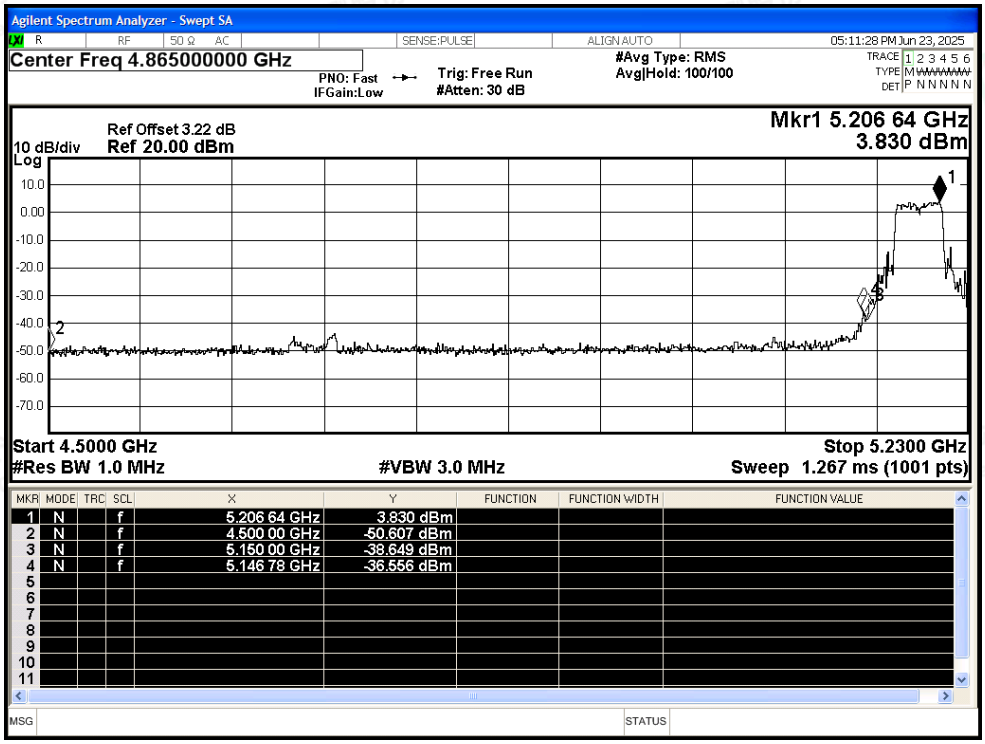
Restrict Band NVNT ac20 5240MHz Ant2 Peak



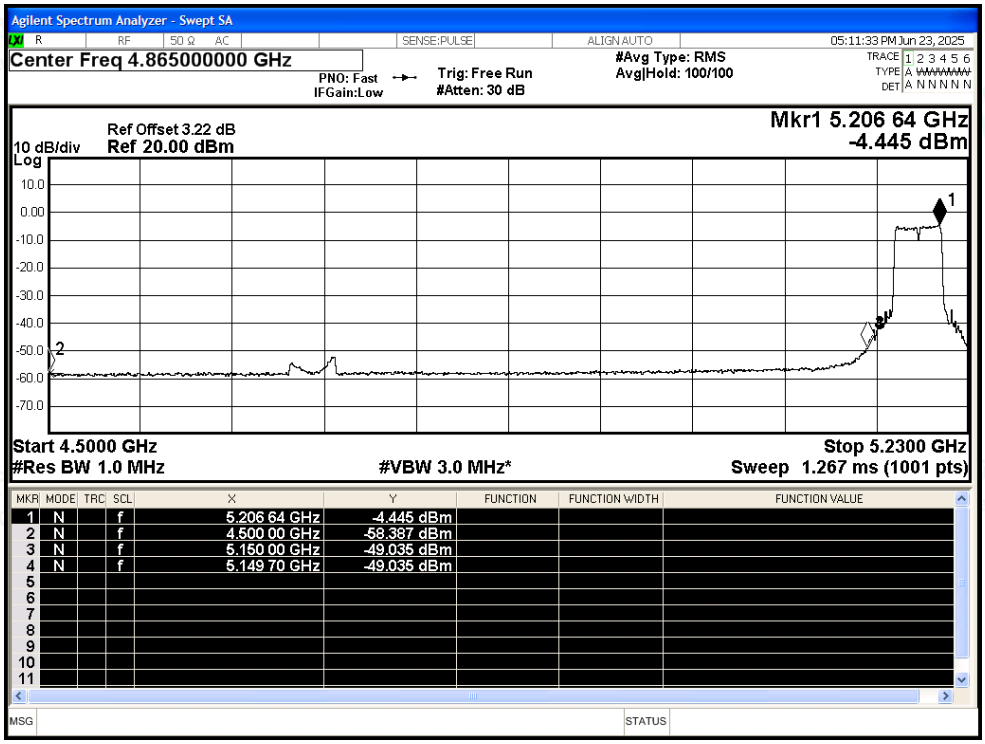
Restrict Band NVNT ac20 5240MHz Ant2 Average



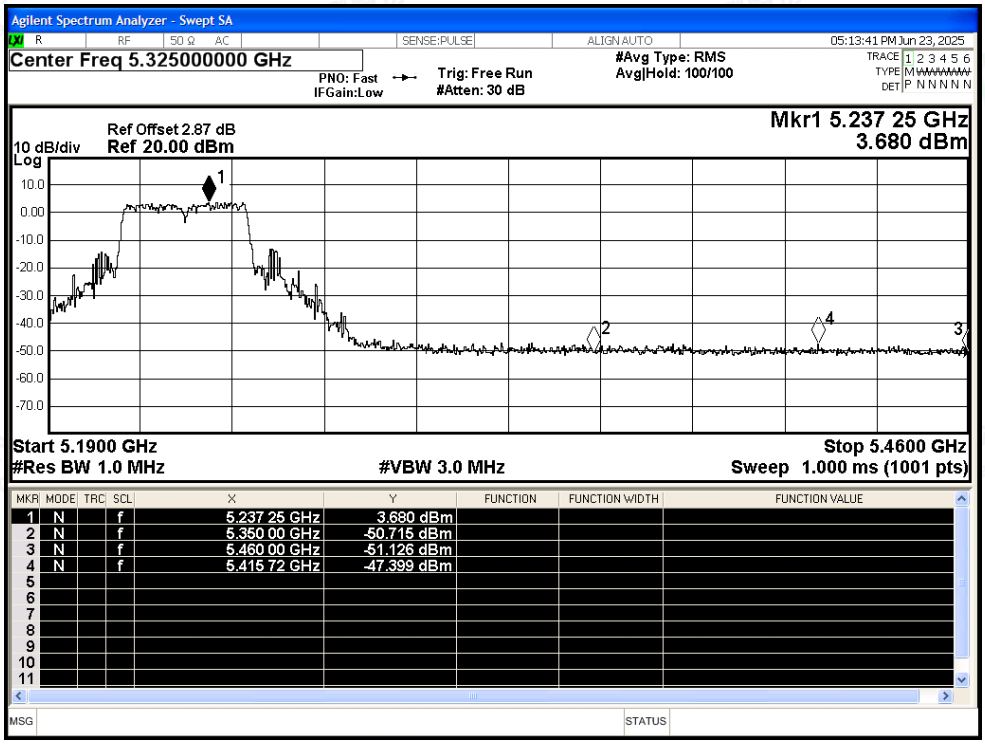
Restrict Band NVNT ac40 5190MHz Ant2 Peak



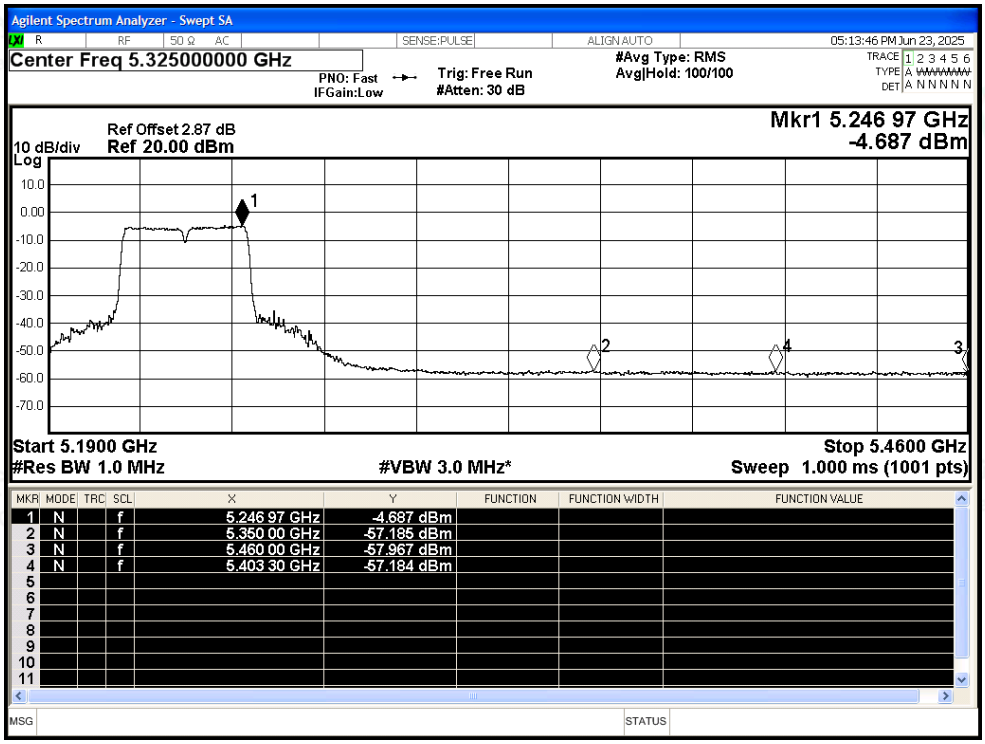
Restrict Band NVNT ac40 5190MHz Ant2 Average



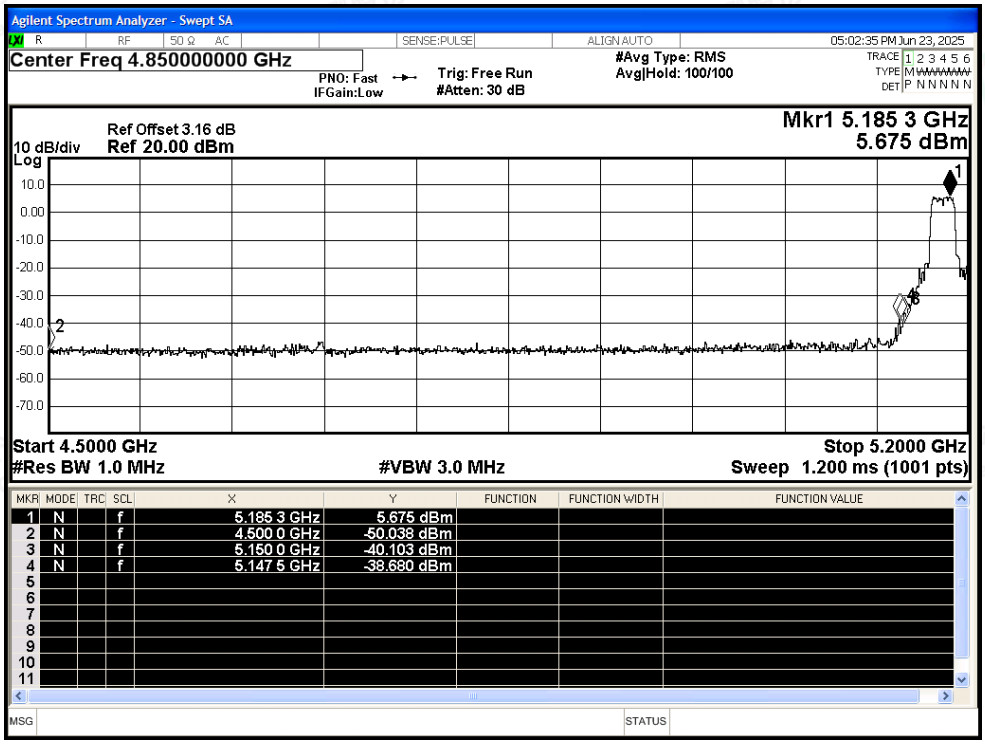
Restrict Band NVNT ac40 5230MHz Ant2 Peak



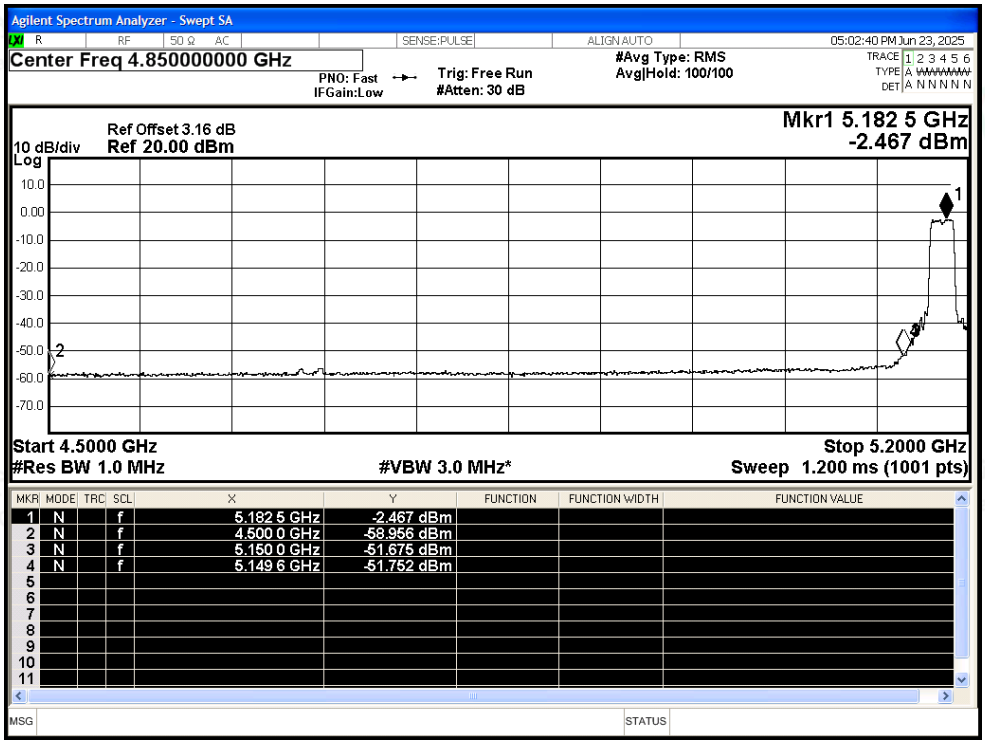
Restrict Band NVNT ac40 5230MHz Ant2 Average



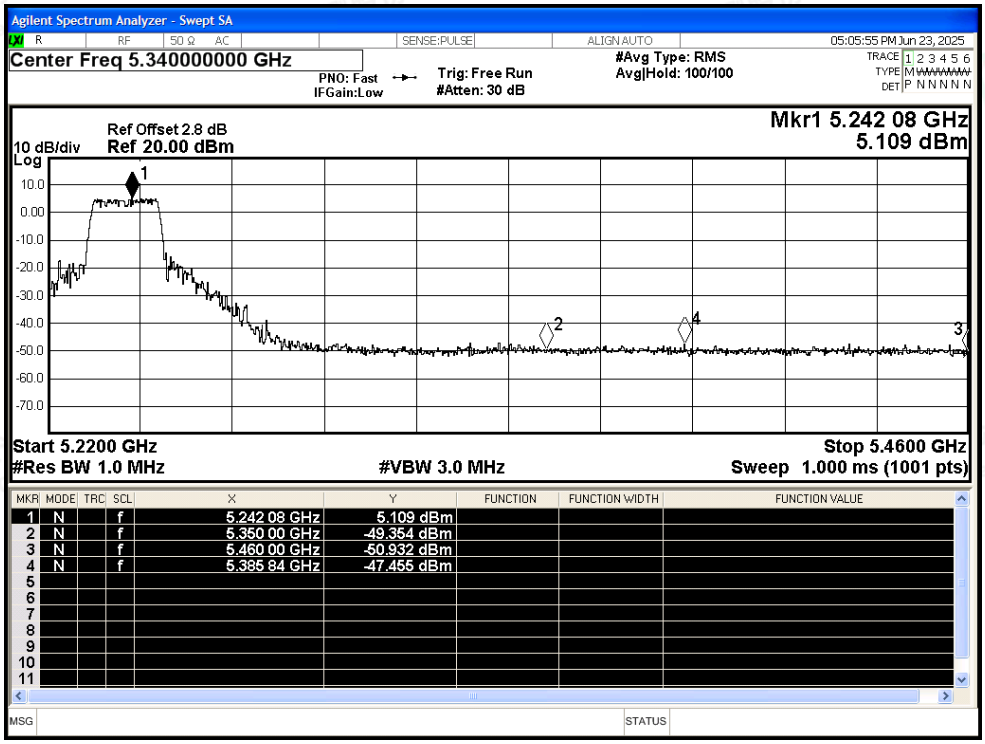
Restrict Band NVNT ax20 5180MHz Ant2 Peak



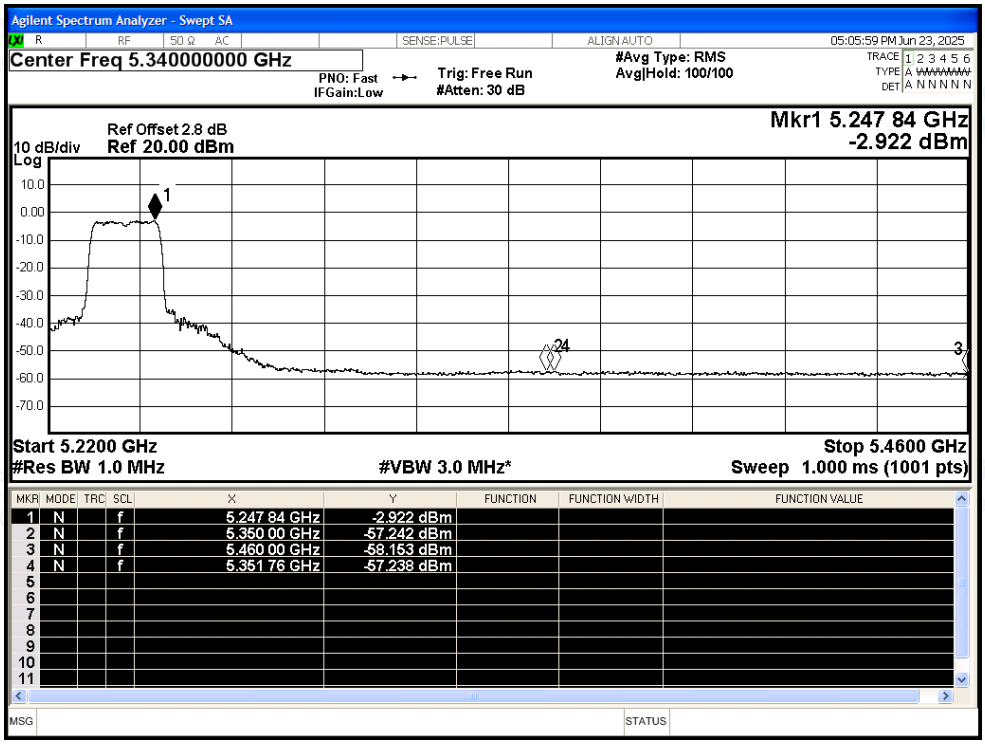
Restrict Band NVNT ax20 5180MHz Ant2 Average



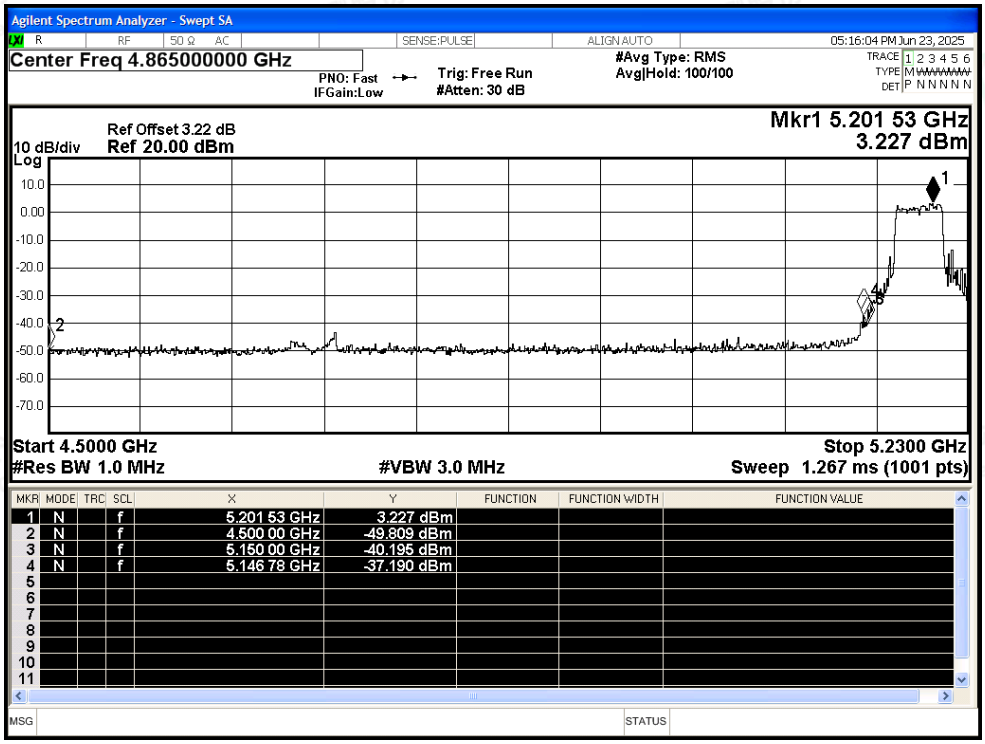
Restrict Band NVNT ax20 5240MHz Ant2 Peak



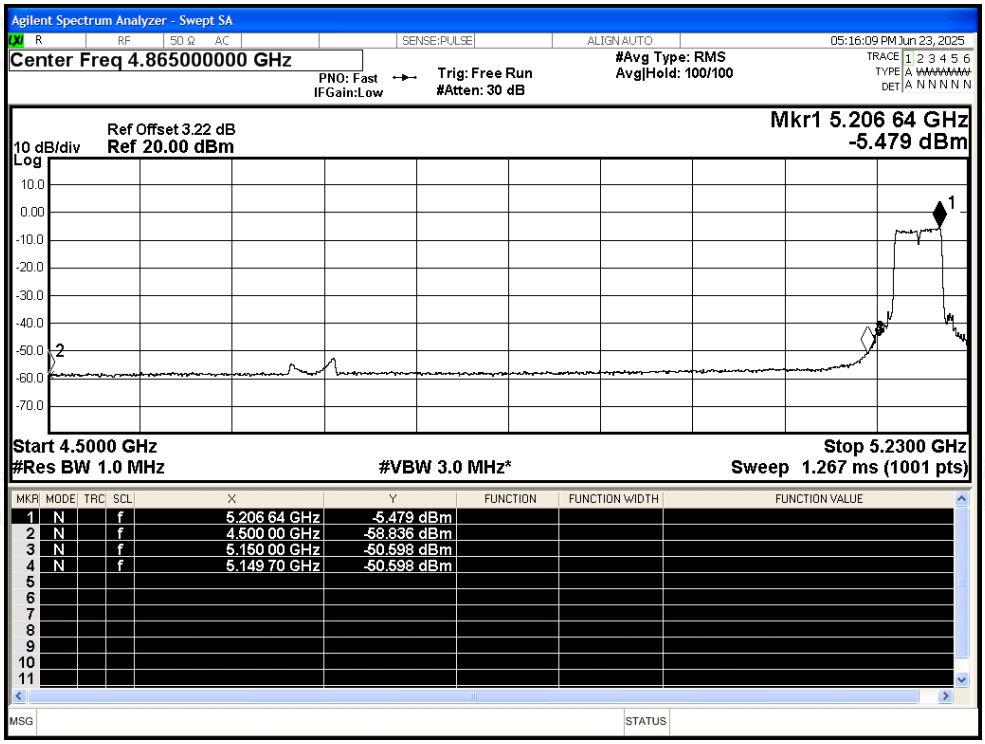
Restrict Band NVNT ax20 5240MHz Ant2 Average



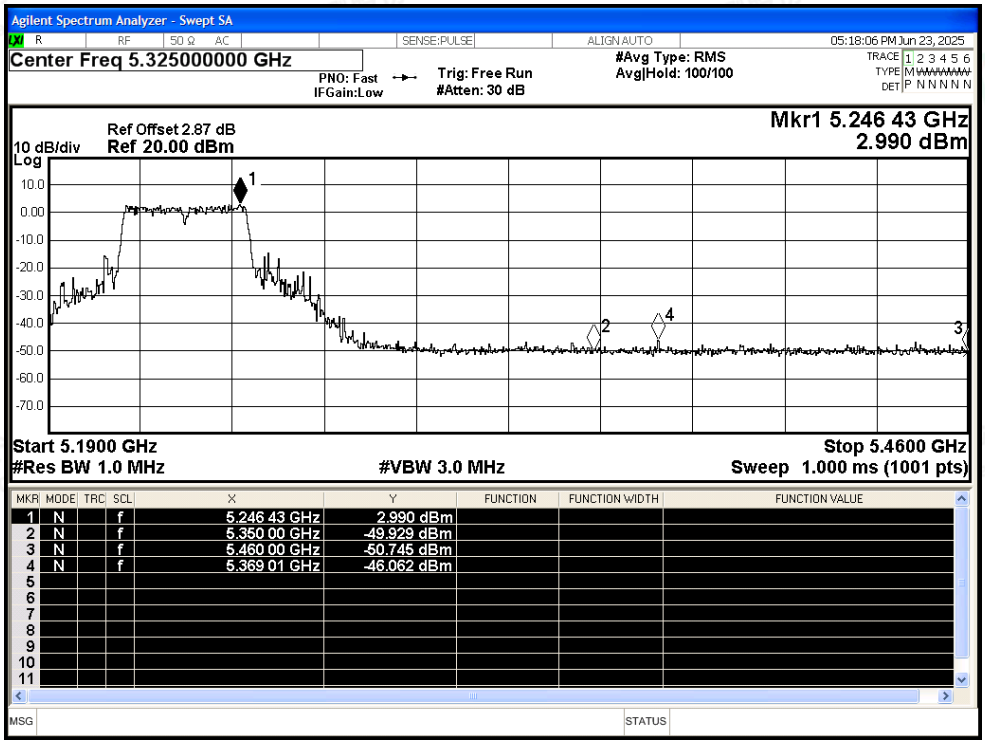
Restrict Band NVNT ax40 5190MHz Ant2 Peak



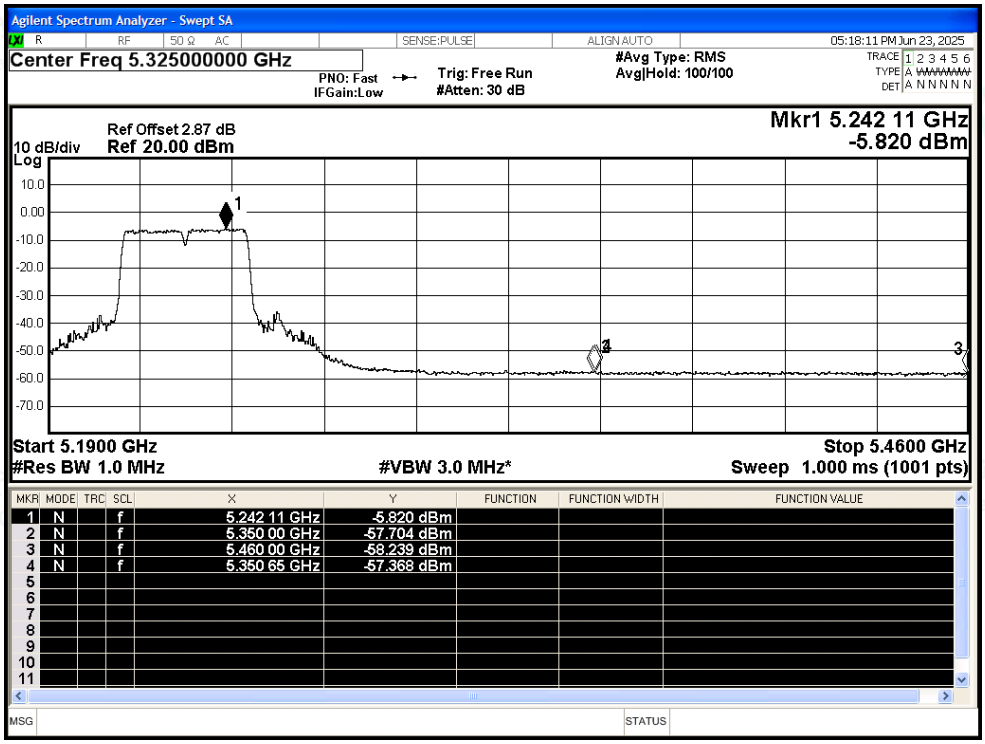
Restrict Band NVNT ax40 5190MHz Ant2 Average



Restrict Band NVNT ax40 5230MHz Ant2 Peak



Restrict Band NVNT ax40 5230MHz Ant2 Average



MIMO

Condition	Mode	Frequency (MHz)	Ant1 Power (dBm)	Ant2 Power (dBm)	Gain (dBi)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5180	-51.97	-49.88	5.91	53.37	Peak	68.2	Pass
NVNT	n20	5180	-59.12	-58.83	5.91	45.20	Average	54	Pass
NVNT	n20	5180	-41.36	-36.53	5.91	65.87	Peak	68.2	Pass
NVNT	n20	5180	-51.15	-50.25	5.91	53.50	Average	54	Pass
NVNT	n20	5180	-41.24	-39.23	5.91	64.05	Peak	68.2	Pass
NVNT	n20	5180	-54.63	-49.68	5.91	52.69	Average	54	Pass
NVNT	n20	5240	-48.53	-49.26	5.91	55.29	Peak	68.2	Pass
NVNT	n20	5240	-57.81	-56.83	5.91	46.88	Average	54	Pass
NVNT	n20	5240	-47.33	-47.28	5.91	56.87	Peak	68.2	Pass
NVNT	n20	5240	-56.92	-56.83	5.91	47.30	Average	54	Pass
NVNT	n20	5240	-50.36	-49.44	5.91	54.30	Peak	68.2	Pass
NVNT	n20	5240	-58.22	-58.48	5.91	45.83	Average	54	Pass
NVNT	n40	5190	-50.63	-50.83	5.91	53.45	Peak	68.2	Pass
NVNT	n40	5190	-58.46	-58.51	5.91	45.69	Average	54	Pass
NVNT	n40	5190	-47.61	-42.72	5.91	59.66	Peak	68.2	Pass
NVNT	n40	5190	-58.91	-49.1	5.91	52.50	Average	54	Pass
NVNT	n40	5190	-41.35	-42.72	5.91	62.19	Peak	68.2	Pass
NVNT	n40	5190	-49.91	-52.86	5.91	53.04	Average	54	Pass
NVNT	n40	5230	-50.45	-57.78	5.91	51.45	Peak	68.2	Pass
NVNT	n40	5230	-57.87	-57.53	5.91	46.48	Average	54	Pass
NVNT	n40	5230	-47.14	-46.36	5.91	57.44	Peak	68.2	Pass
NVNT	n40	5230	-57.19	-57.16	5.91	47.00	Average	54	Pass
NVNT	n40	5230	-49.92	-50.46	5.91	53.99	Peak	68.2	Pass
NVNT	n40	5230	-58.34	-58.37	5.91	45.82	Average	54	Pass
NVNT	ac20	5180	-49.63	-49.87	5.91	54.43	Peak	68.2	Pass
NVNT	ac20	5180	-58.7	-58.71	5.91	45.47	Average	54	Pass
NVNT	ac20	5180	-42.32	-48.72	5.91	59.74	Peak	68.2	Pass
NVNT	ac20	5180	-49.89	-54.07	5.91	52.68	Average	54	Pass
NVNT	ac20	5180	-36.84	-36.27	5.91	67.63	Peak	68.2	Pass
NVNT	ac20	5180	-49.23	-55.87	5.91	52.79	Average	54	Pass
NVNT	ac20	5240	-49.24	-50.54	5.91	54.33	Peak	68.2	Pass
NVNT	ac20	5240	-57.44	-58.01	5.91	46.46	Average	54	Pass
NVNT	ac20	5240	-46.91	-46.37	5.91	57.54	Peak	68.2	Pass
NVNT	ac20	5240	-57.14	-57.4	5.91	46.91	Average	54	Pass
NVNT	ac20	5240	-50.36	-50.62	5.91	53.69	Peak	68.2	Pass
NVNT	ac20	5240	-58.41	-58.57	5.91	45.68	Average	54	Pass
NVNT	ac40	5190	-49.6	-50.61	5.91	54.10	Peak	68.2	Pass
NVNT	ac40	5190	-58.35	-58.39	5.91	45.80	Average	54	Pass
NVNT	ac40	5190	-37.22	-36.56	5.91	67.30	Peak	68.2	Pass

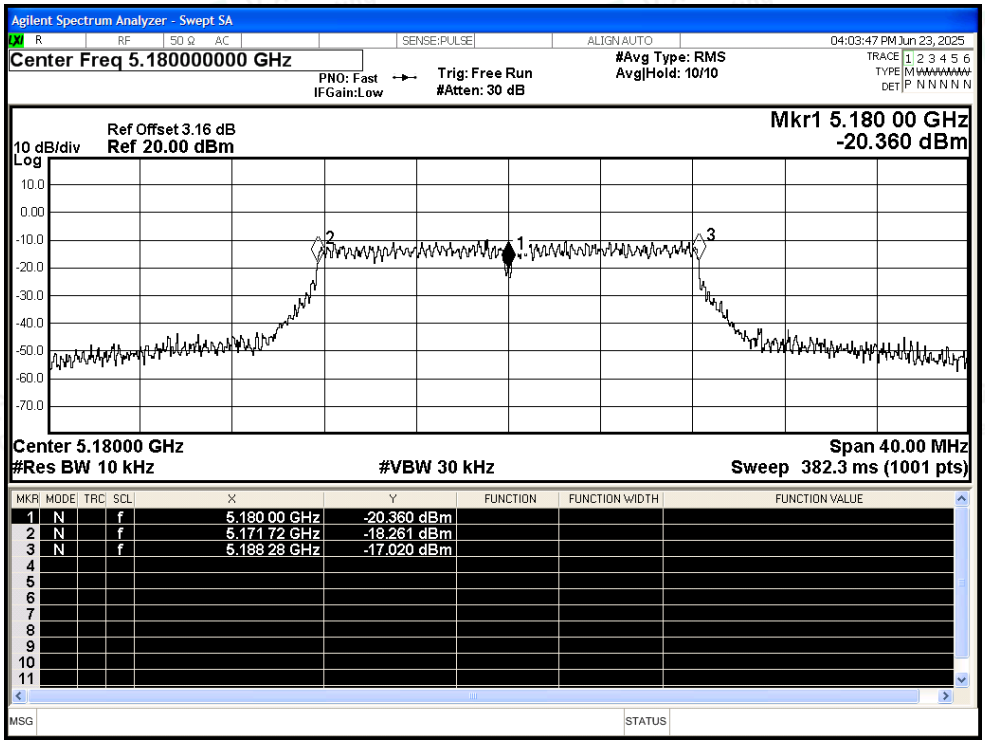
NVNT	ac40	5190	-50.07	-52.04	5.91	53.23	Average	54	Pass
NVNT	ac40	5190	-37.22	-38.65	5.91	66.30	Peak	68.2	Pass
NVNT	ac40	5190	-50.07	-54.04	5.91	52.56	Average	54	Pass
NVNT	ac40	5230	-48.79	-50.72	5.91	54.53	Peak	68.2	Pass
NVNT	ac40	5230	-57.65	-57.19	5.91	46.76	Average	54	Pass
NVNT	ac40	5230	-47.13	-47.4	5.91	56.91	Peak	68.2	Pass
NVNT	ac40	5230	-57.18	-57.18	5.91	46.99	Average	54	Pass
NVNT	ac40	5230	-50.26	-51.13	5.91	53.50	Peak	68.2	Pass
NVNT	ac40	5230	-57.55	-57.97	5.91	46.42	Average	54	Pass
NVNT	ax20	5180	-49.49	-50.04	5.91	54.42	Peak	68.2	Pass
NVNT	ax20	5180	-59.28	-58.96	5.91	45.06	Average	54	Pass
NVNT	ax20	5180	-39.17	-38.68	5.91	65.26	Peak	68.2	Pass
NVNT	ax20	5180	-52.07	-51.75	5.91	52.27	Average	54	Pass
NVNT	ax20	5180	-34.81	-40.1	5.91	67.48	Peak	68.2	Pass
NVNT	ax20	5180	-50.56	-51.68	5.91	53.09	Average	54	Pass
NVNT	ax20	5240	-48.84	-49.35	5.91	55.09	Peak	68.2	Pass
NVNT	ax20	5240	-57.78	-57.24	5.91	46.67	Average	54	Pass
NVNT	ax20	5240	-47.3	-47.46	5.91	56.79	Peak	68.2	Pass
NVNT	ax20	5240	-57.27	-57.24	5.91	46.92	Average	54	Pass
NVNT	ax20	5240	-49.72	-50.93	5.91	53.89	Peak	68.2	Pass
NVNT	ax20	5240	-58.07	-58.15	5.91	46.06	Average	54	Pass
NVNT	ax40	5190	-51.36	-49.81	5.91	53.66	Peak	68.2	Pass
NVNT	ax40	5190	-58.4	-58.84	5.91	45.56	Average	54	Pass
NVNT	ax40	5190	-38.63	-37.19	5.91	66.32	Peak	68.2	Pass
NVNT	ax40	5190	-50.56	-50.6	5.91	53.59	Average	54	Pass
NVNT	ax40	5190	-39.32	-40.2	5.91	64.44	Peak	68.2	Pass
NVNT	ax40	5190	-50.56	-50.6	5.91	53.59	Average	54	Pass
NVNT	ax40	5230	-48.5	-49.93	5.91	55.02	Peak	68.2	Pass
NVNT	ax40	5230	-57.96	-57.7	5.91	46.35	Average	54	Pass
NVNT	ax40	5230	-47.72	-46.06	5.91	57.36	Peak	68.2	Pass
NVNT	ax40	5230	-57.37	-57.37	5.91	46.80	Average	54	Pass
NVNT	ax40	5230	-50.11	-50.75	5.91	53.76	Peak	68.2	Pass
NVNT	ax40	5230	-58.59	-58.24	5.91	45.76	Average	54	Pass

D.5 Frequency Stability

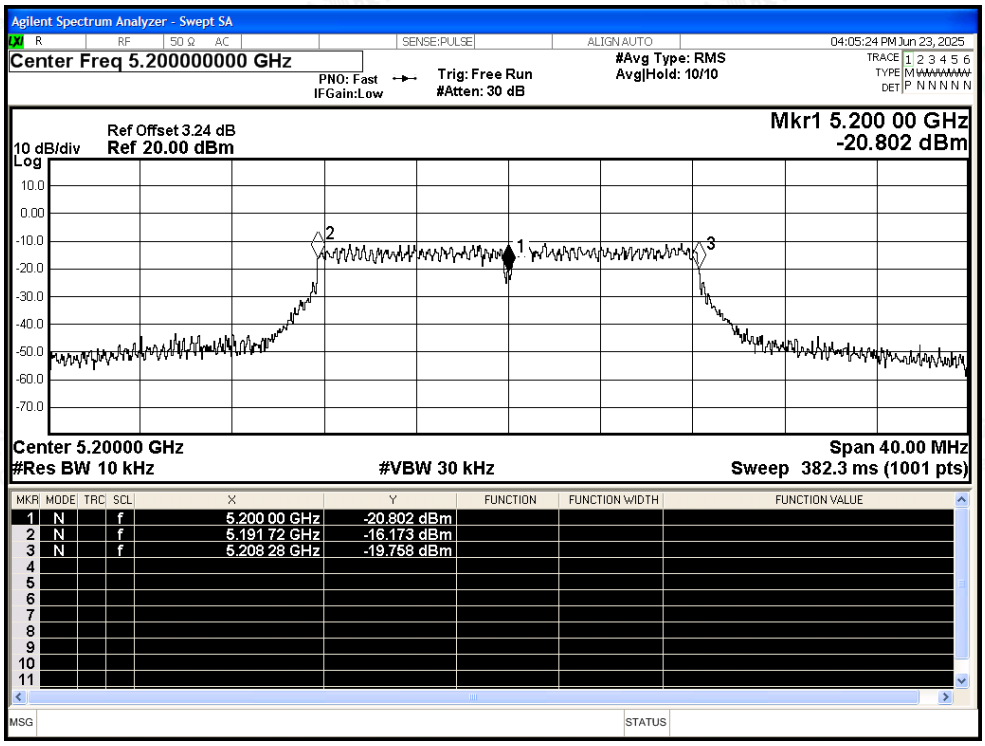
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant1	5180	0	0	25	Pass
NVNT	a	5200	Ant1	5200	0	0	25	Pass
NVNT	a	5240	Ant1	5240	0	0	25	Pass
NVNT	n20	5180	Ant1	5180	0	0	25	Pass
NVNT	n20	5200	Ant1	5200	0	0	25	Pass
NVNT	n20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

Test Graphs

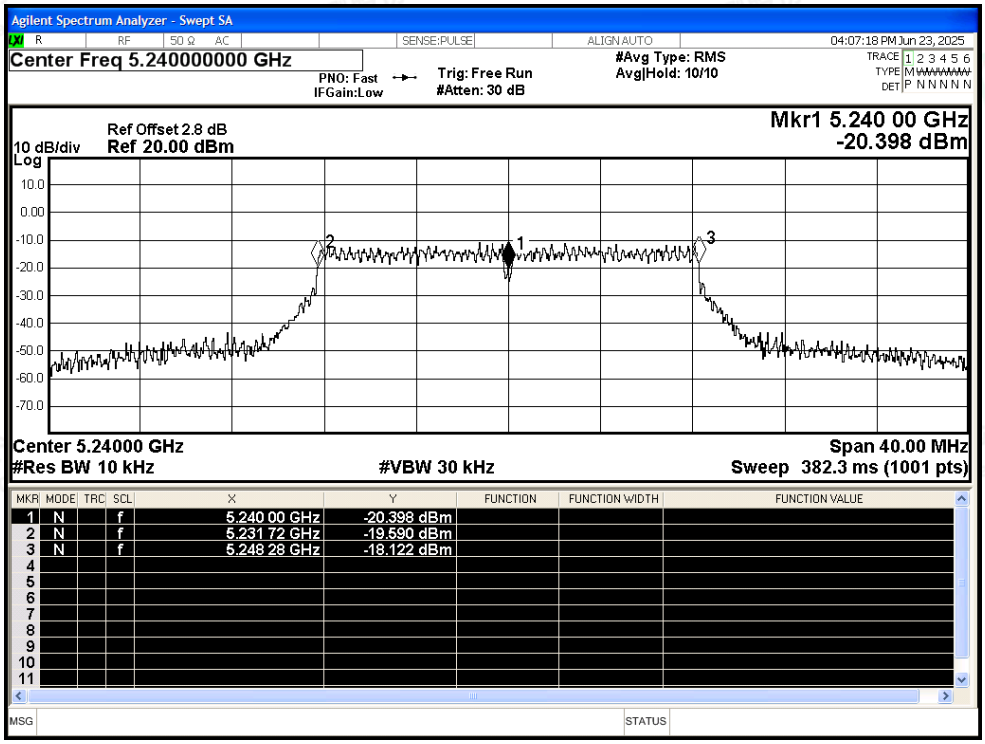
Freq. Stability NVNT a 5180MHz Ant1



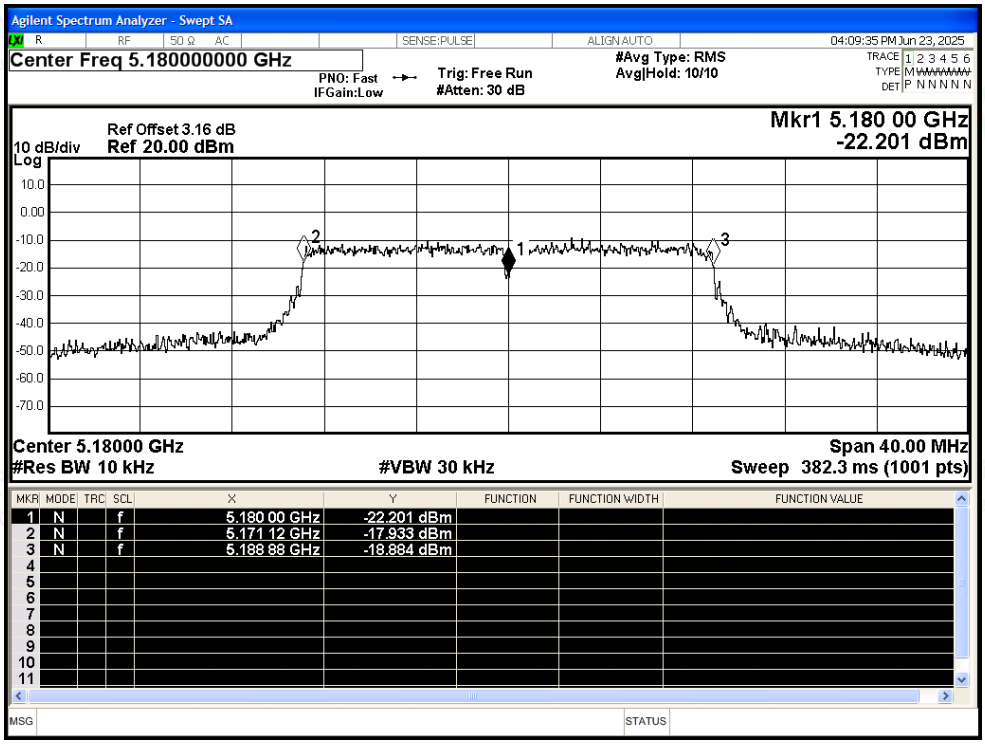
Freq. Stability NVNT a 5200MHz Ant1



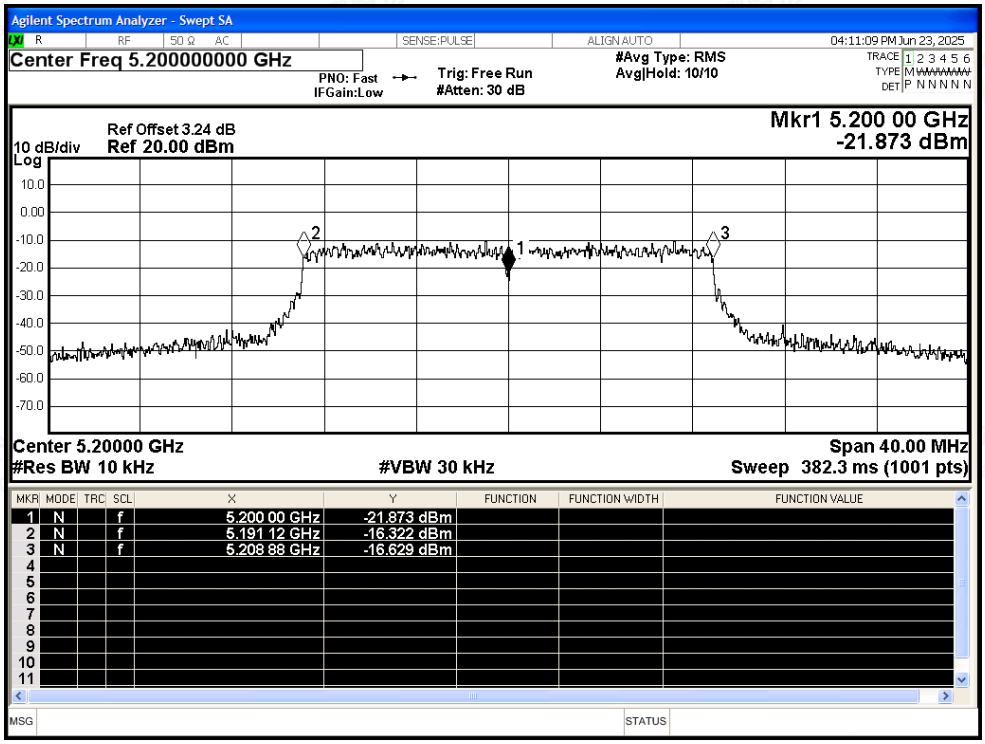
Freq. Stability NVNT a 5240MHz Ant1



Freq. Stability NVNT n20 5180MHz Ant1



Freq. Stability NVNT n20 5200MHz Ant1



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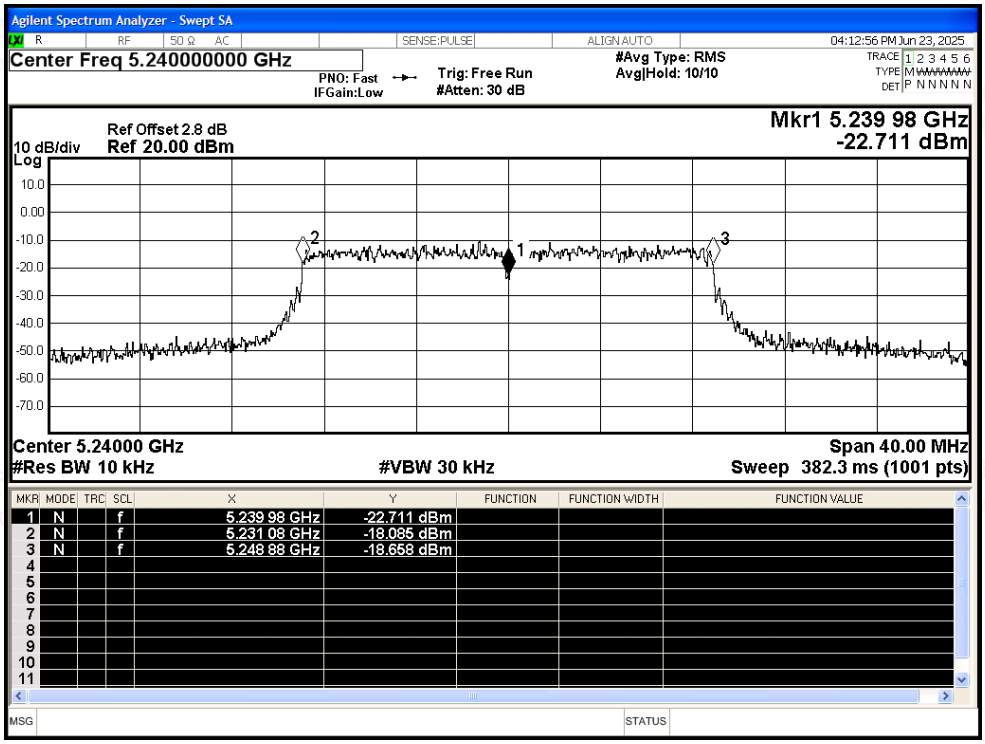
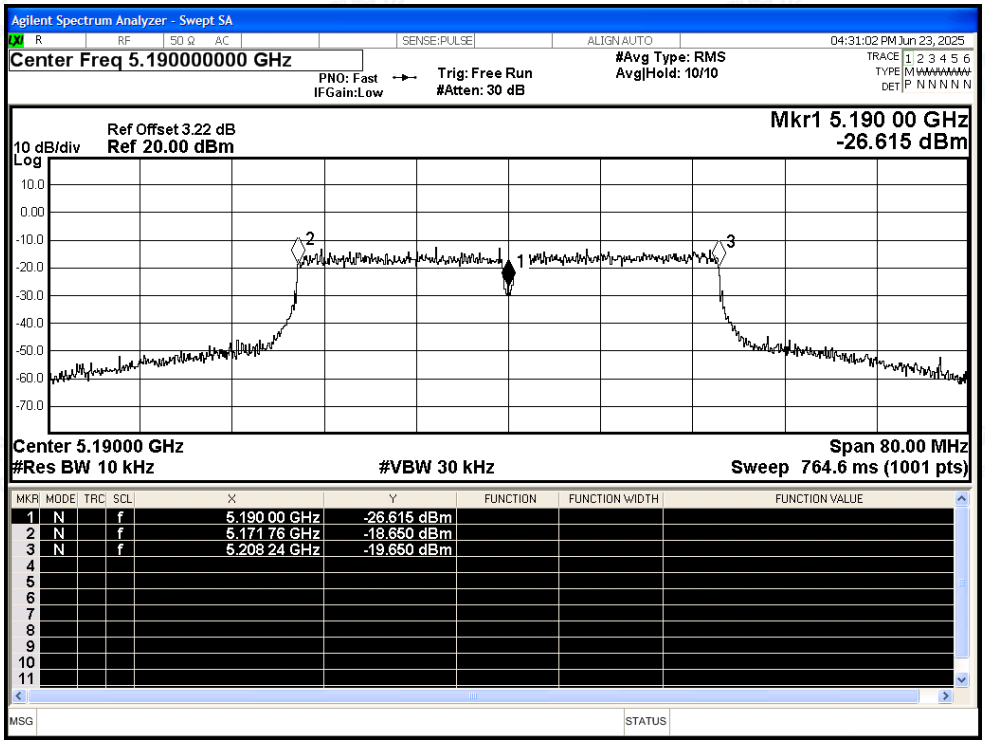
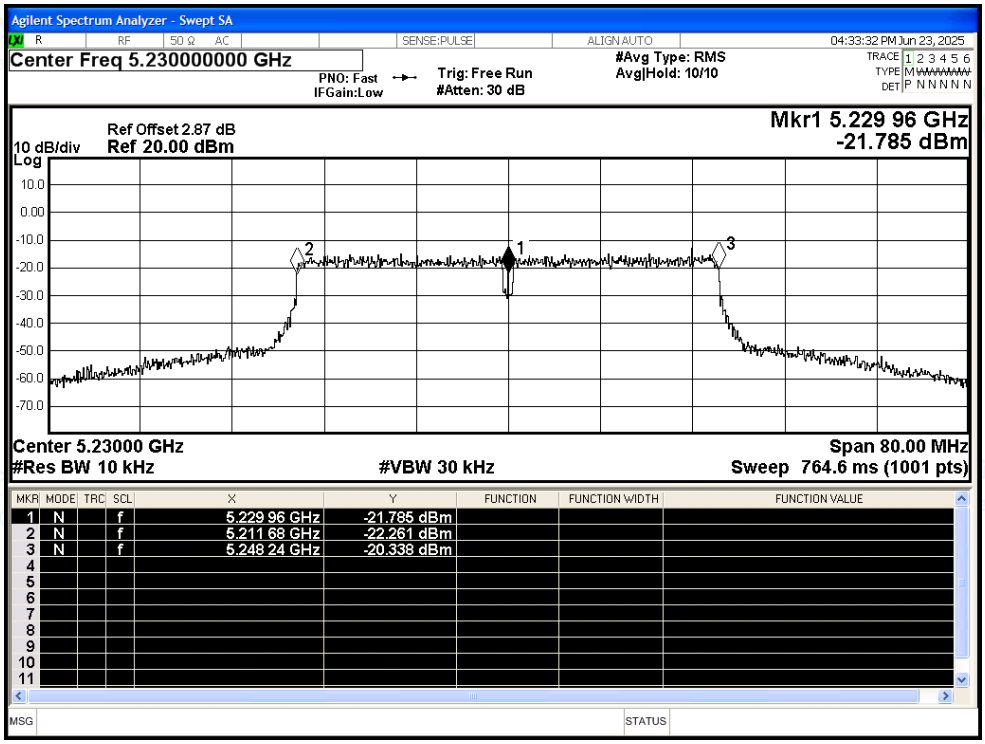


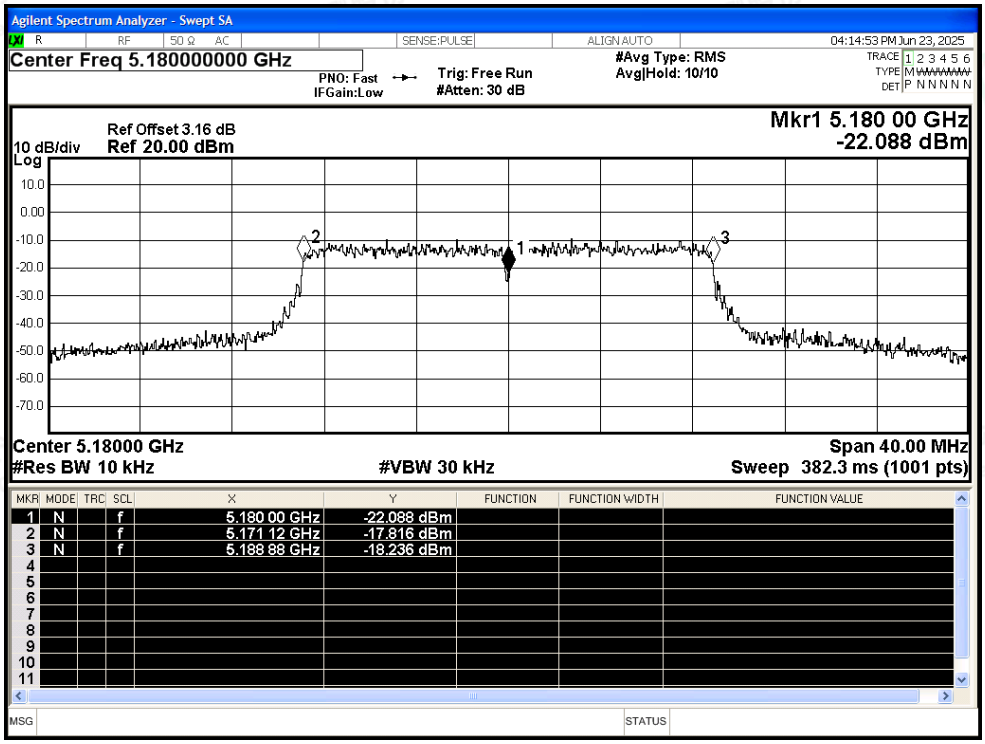
Freq. Stability NVNT n40 5190MHz Ant1



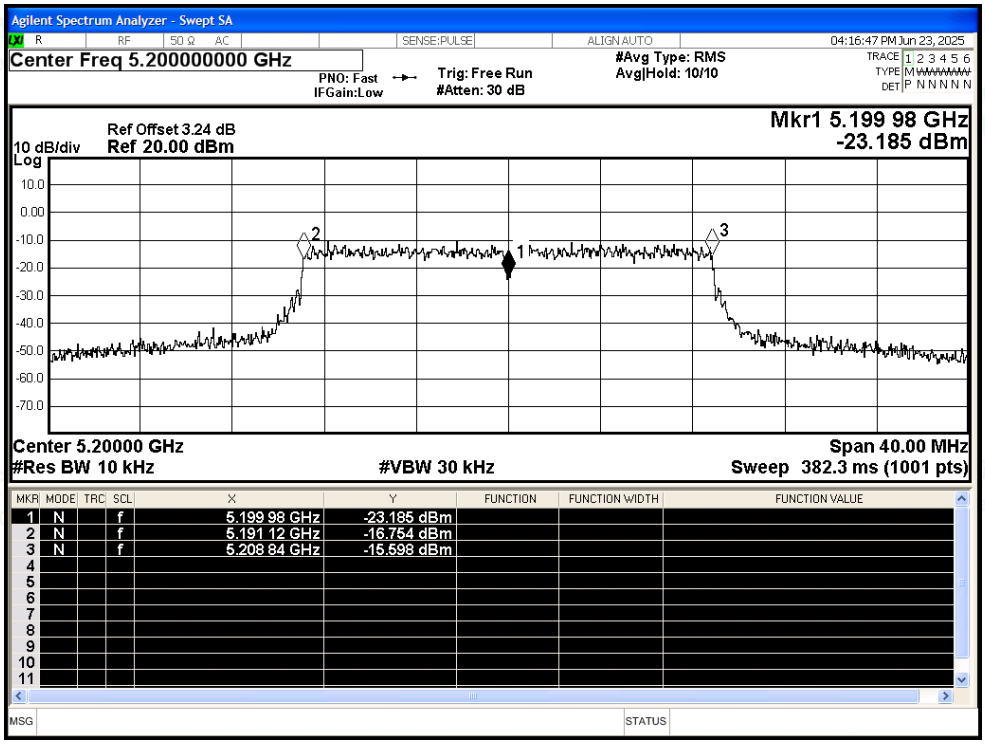
Freq. Stability NVNT n40 5230MHz Ant1



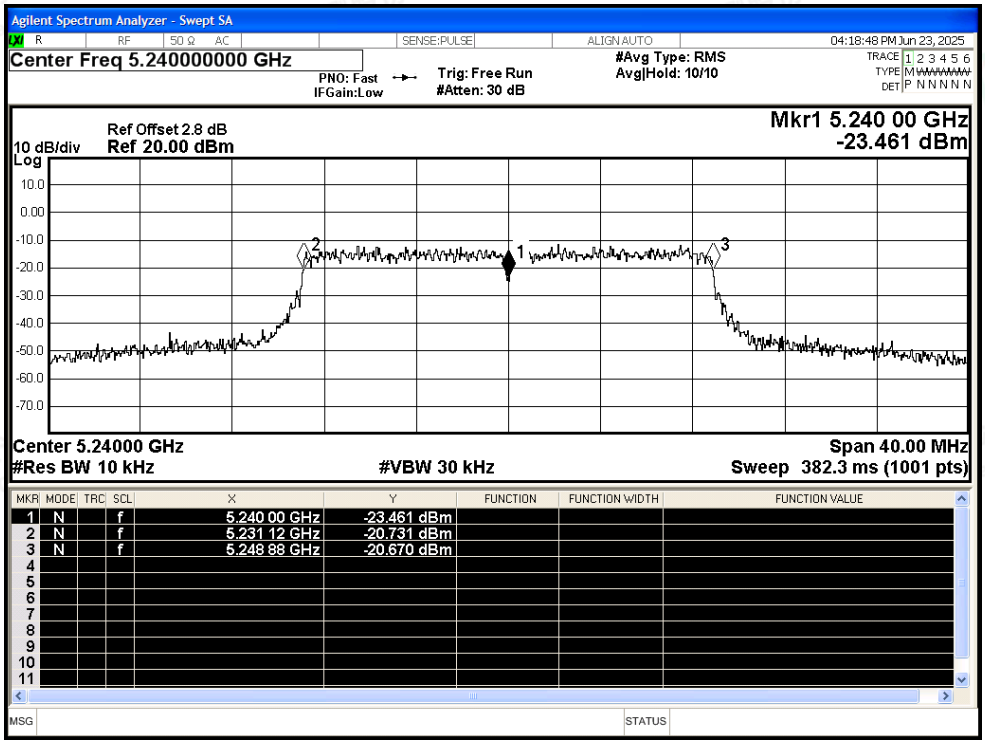
Freq. Stability NVNT ac20 5180MHz Ant1



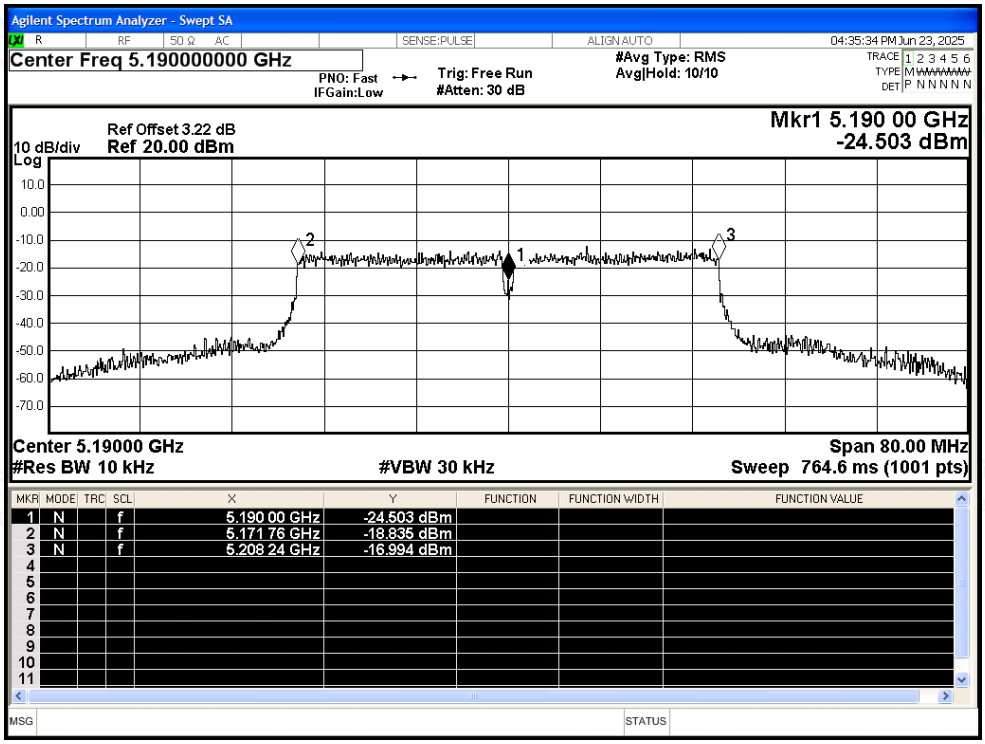
Freq. Stability NVNT ac20 5200MHz Ant1



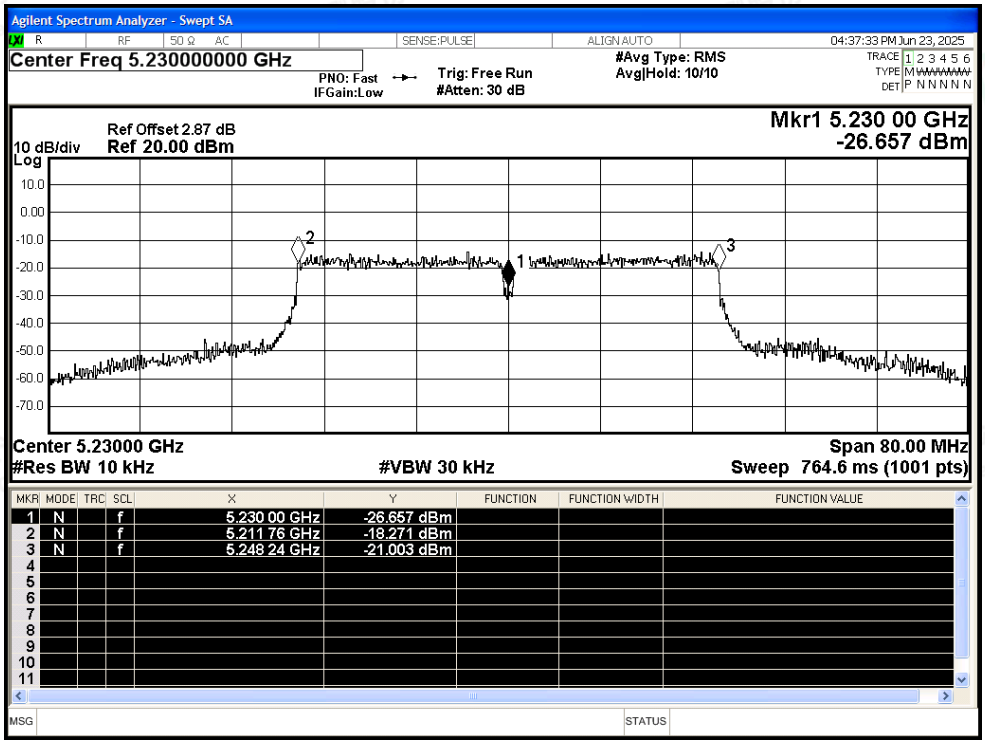
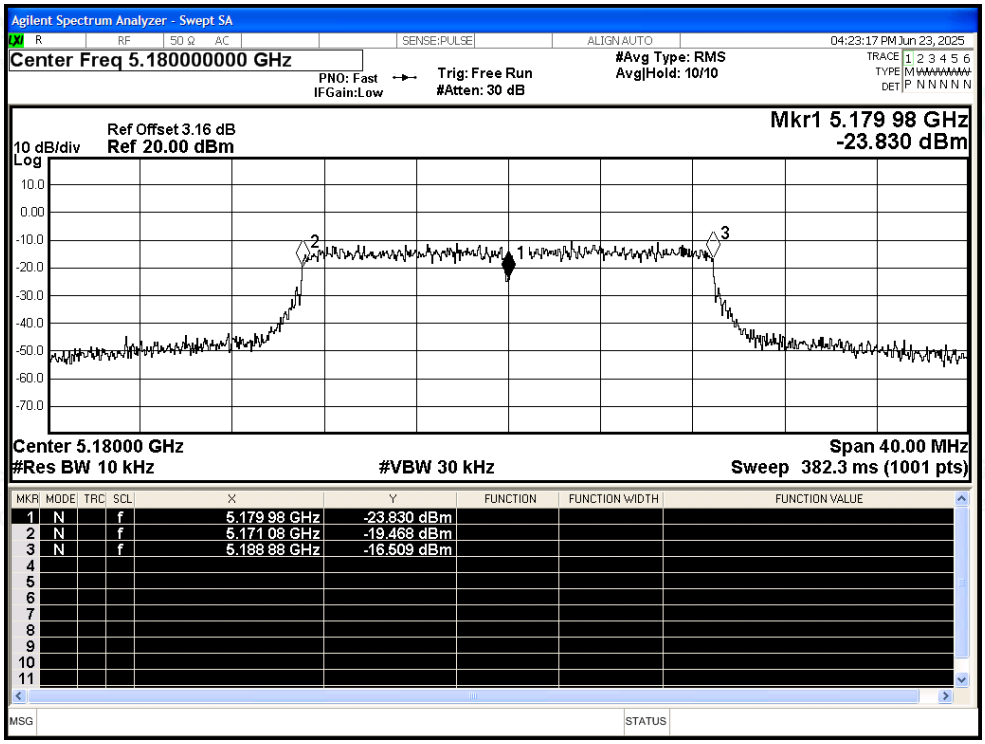
Freq. Stability NVNT ac20 5240MHz Ant1



Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ax20 5180MHz Ant1