Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Home Automation Controller

Test Model: OliverIQ Home Automation Controller (Gen 1)

Environmental Conditions

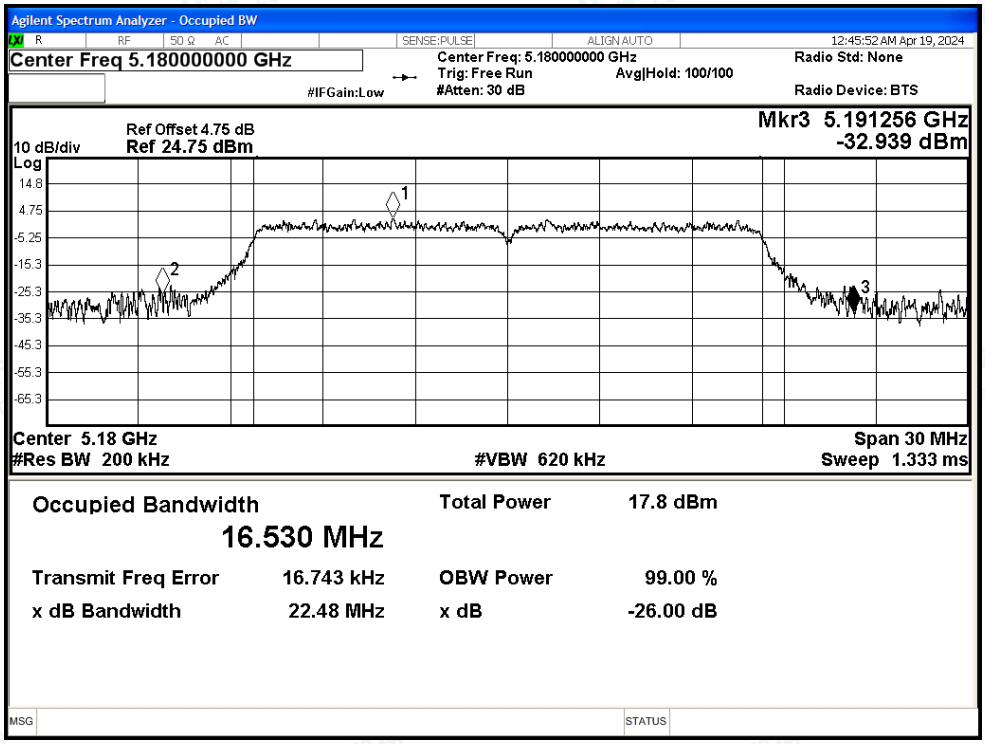
Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

D.1 -26dB Bandwidth

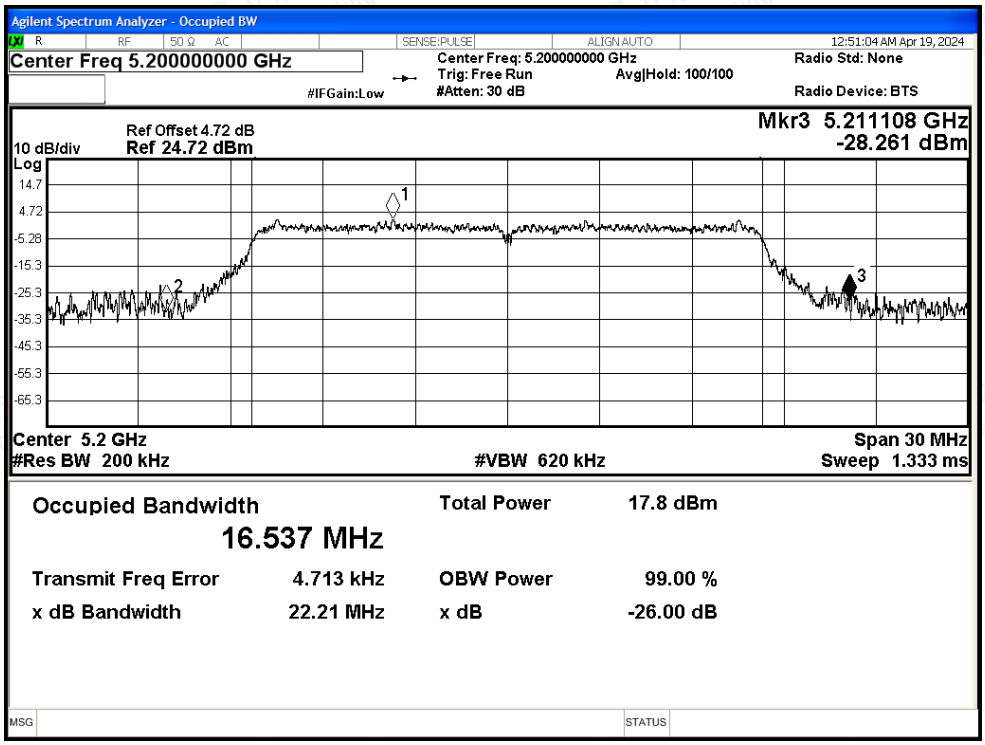
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	22.479	---	Pass
NVNT	a	5200	Ant1	22.207	---	Pass
NVNT	a	5240	Ant1	26.386	---	Pass
NVNT	n20	5180	Ant1	26.907	---	Pass
NVNT	n20	5200	Ant1	22.642	---	Pass
NVNT	n20	5240	Ant1	26.343	---	Pass
NVNT	n40	5190	Ant1	42.729	---	Pass
NVNT	n40	5230	Ant1	40.952	---	Pass
NVNT	ac20	5180	Ant1	25.021	---	Pass
NVNT	ac20	5200	Ant1	26.522	---	Pass
NVNT	ac20	5240	Ant1	25.63	---	Pass
NVNT	ac40	5190	Ant1	46.221	---	Pass
NVNT	ac40	5230	Ant1	41.176	---	Pass
NVNT	ac80	5210	Ant1	82.255	---	Pass

Test Graphs

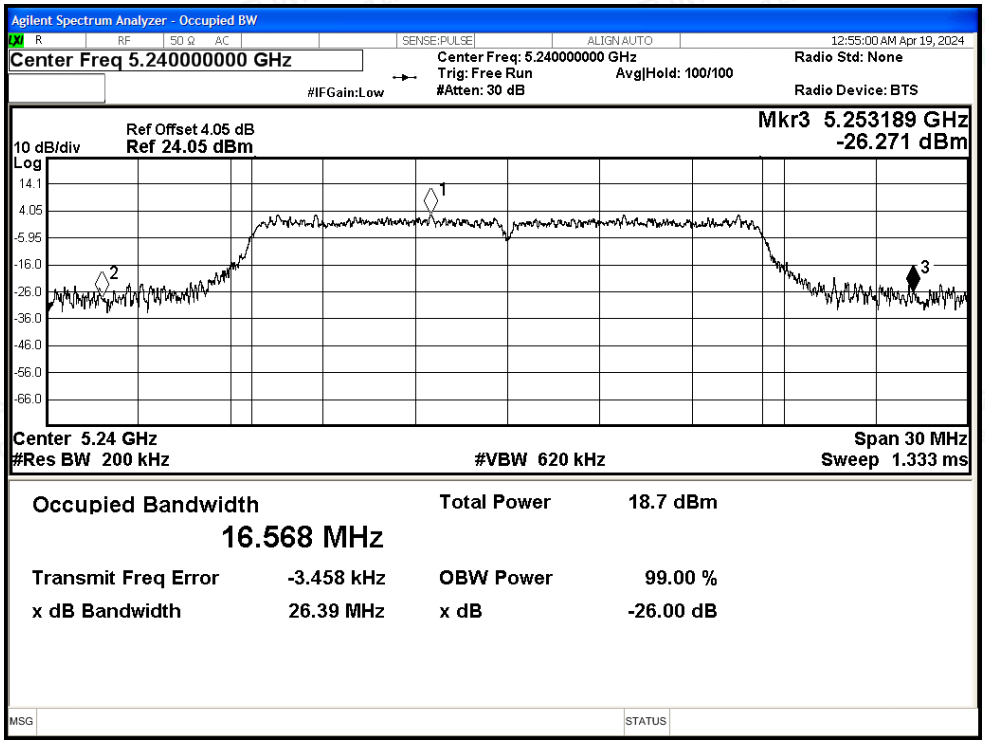
-26dB Bandwidth NVNT a 5180MHz Ant1



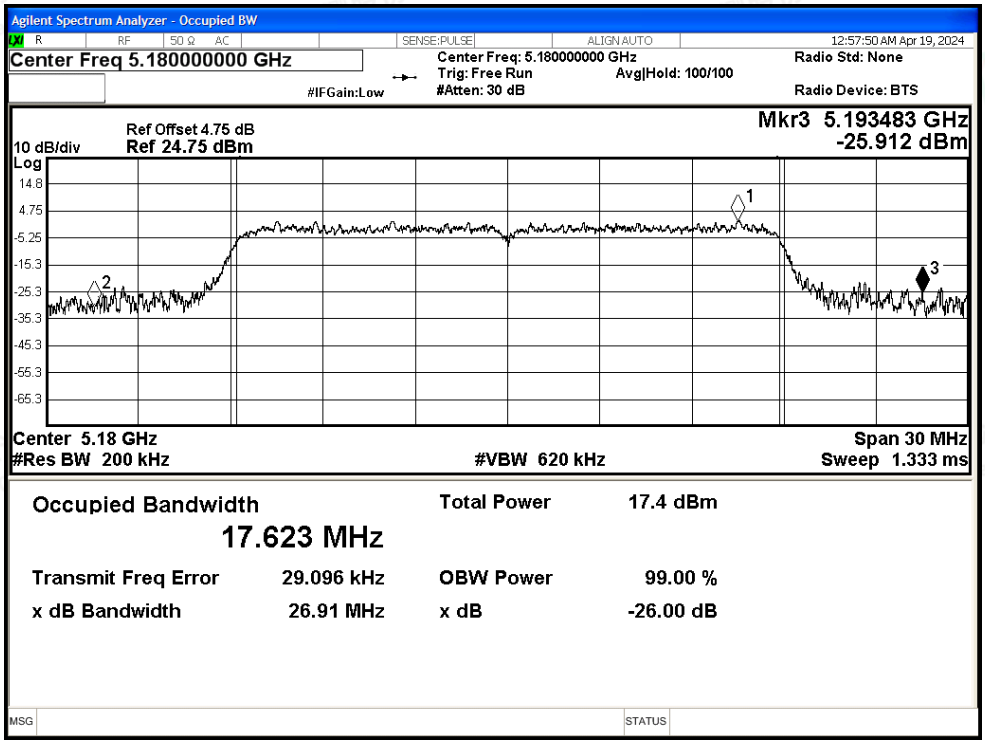
-26dB Bandwidth NVNT a 5200MHz Ant1



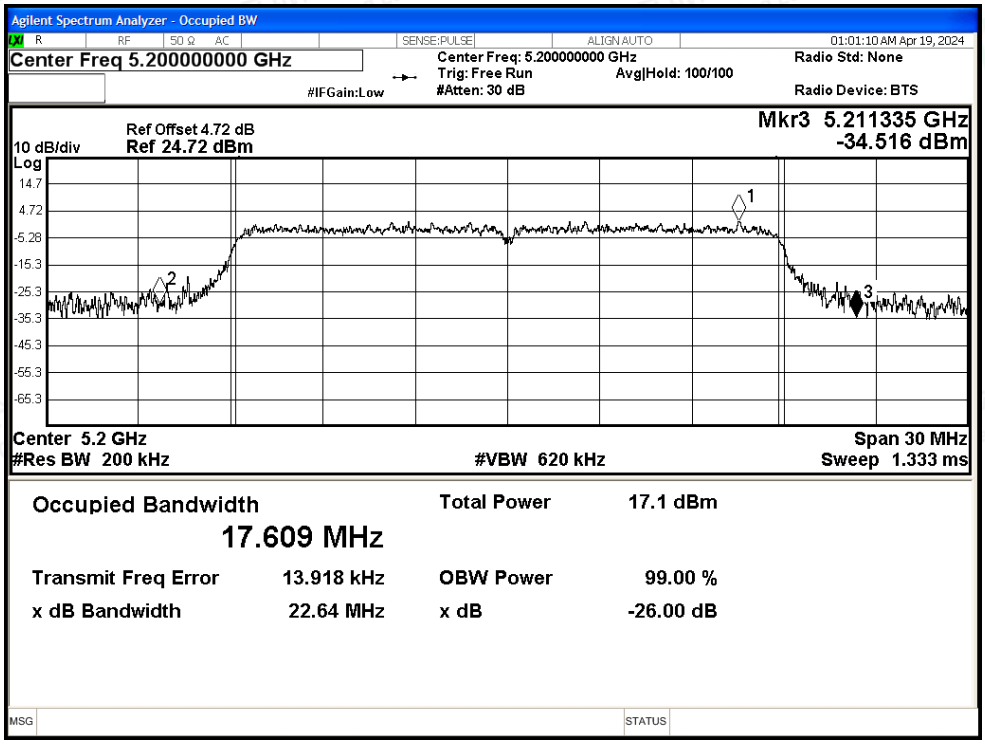
-26dB Bandwidth NVNT a 5240MHz Ant1



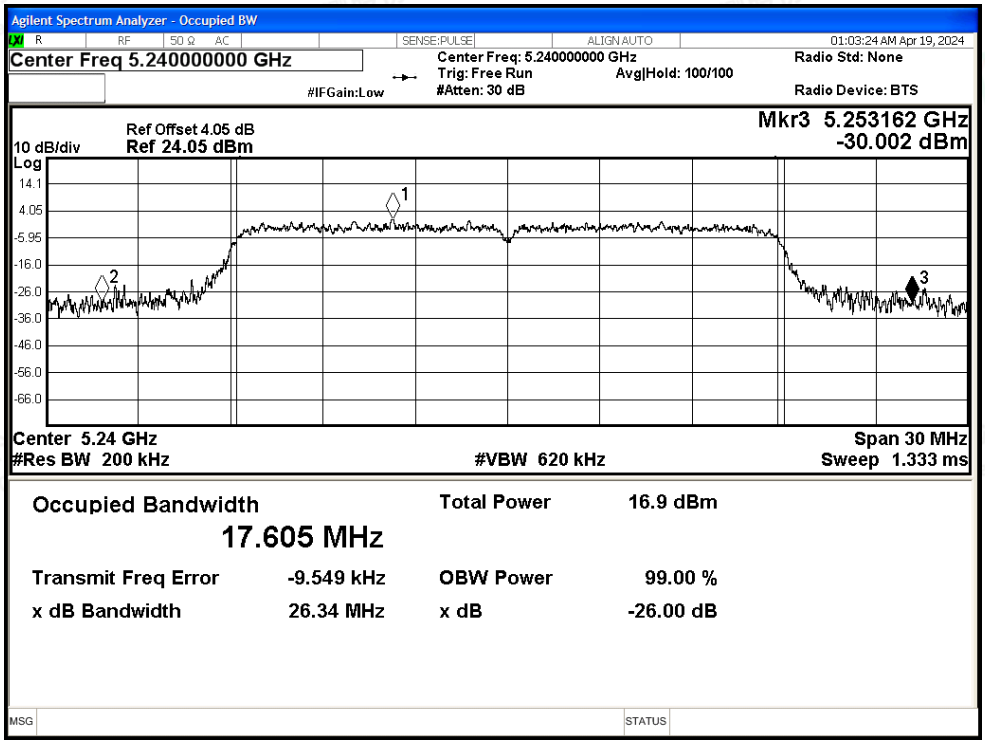
-26dB Bandwidth NVNT n20 5180MHz Ant1



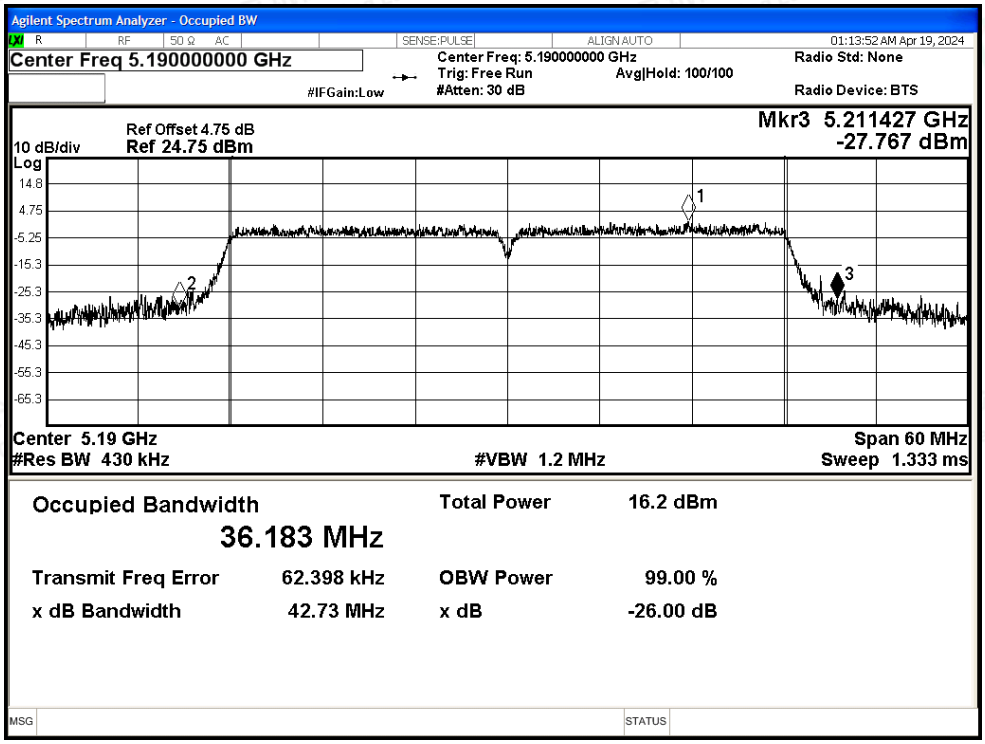
-26dB Bandwidth NVNT n20 5200MHz Ant1



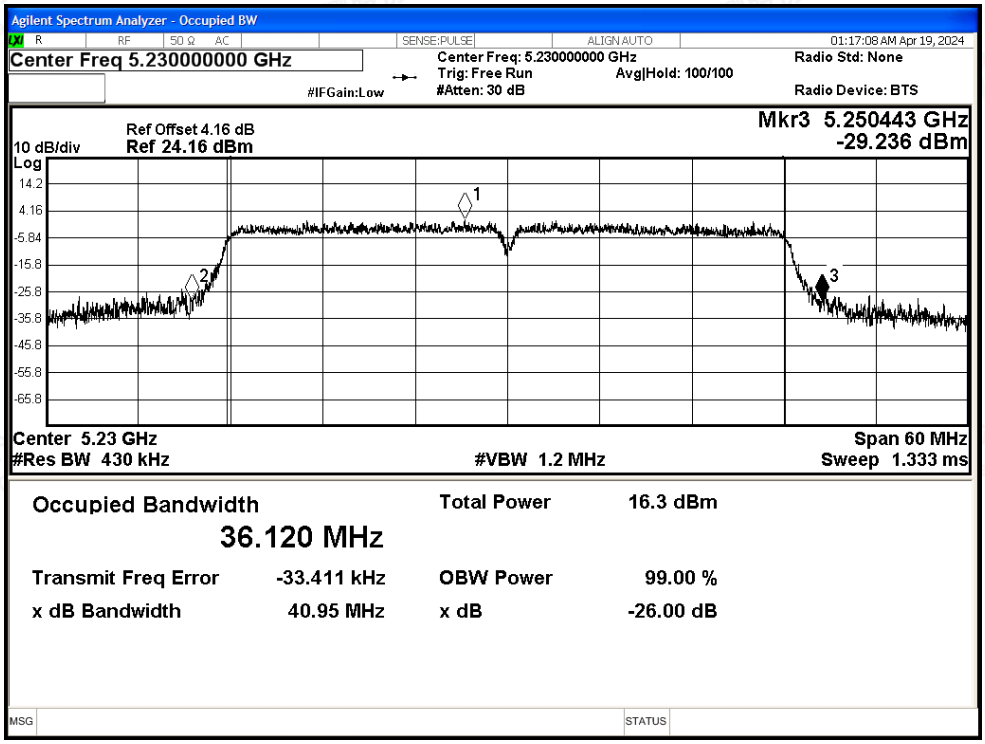
-26dB Bandwidth NVNT n20 5240MHz Ant1



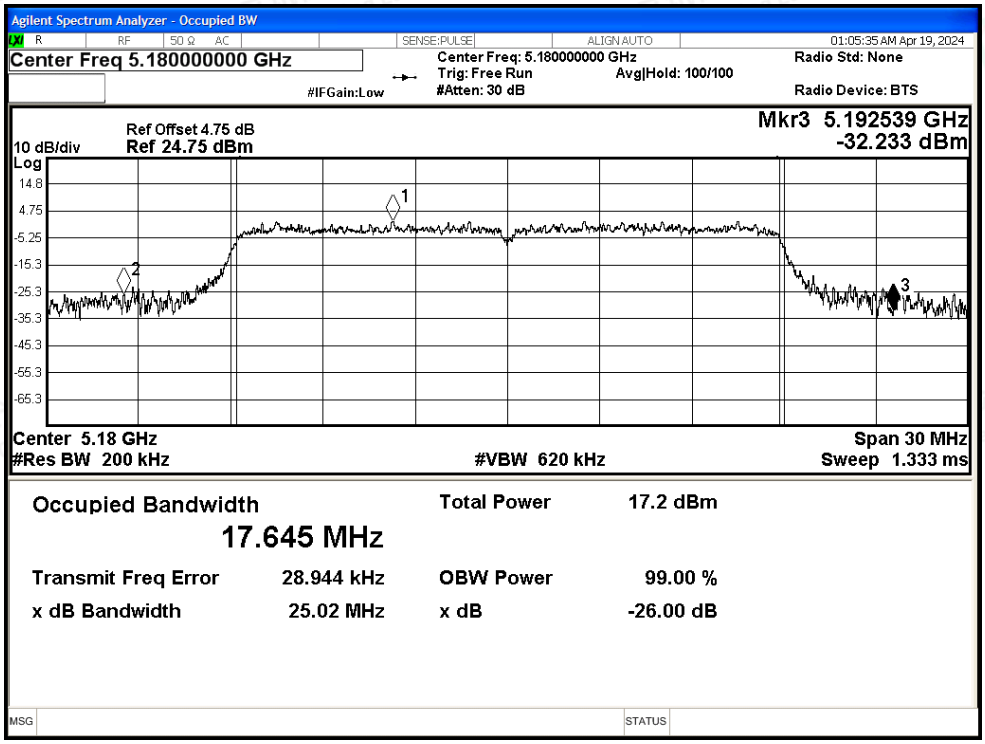
-26dB Bandwidth NVNT n40 5190MHz Ant1



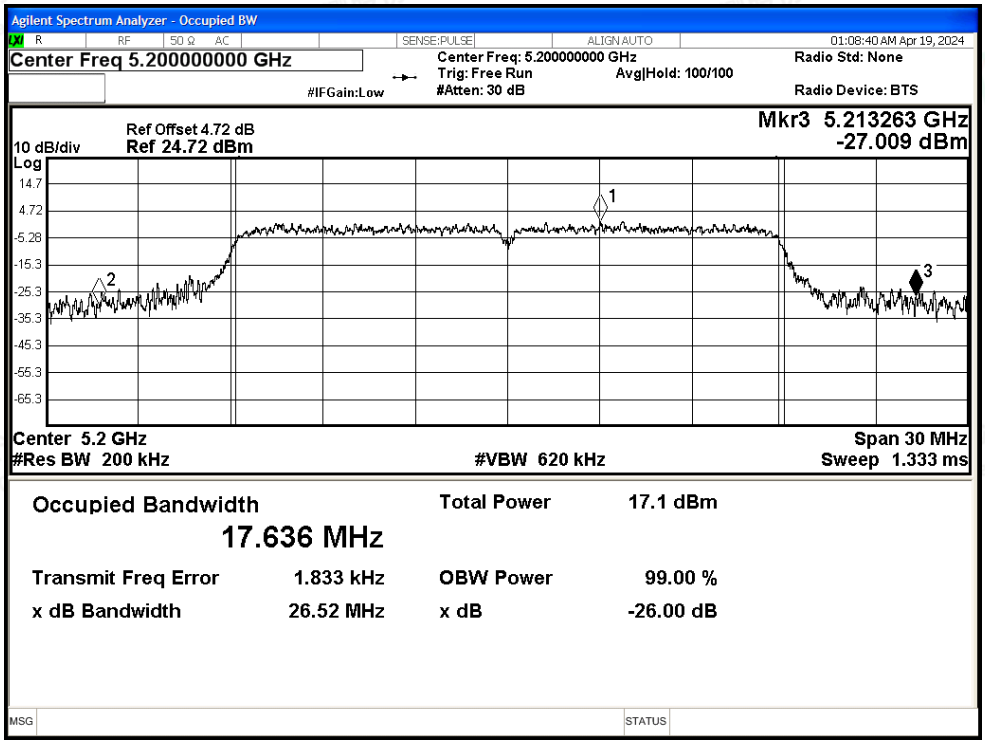
-26dB Bandwidth NVNT n40 5230MHz Ant1



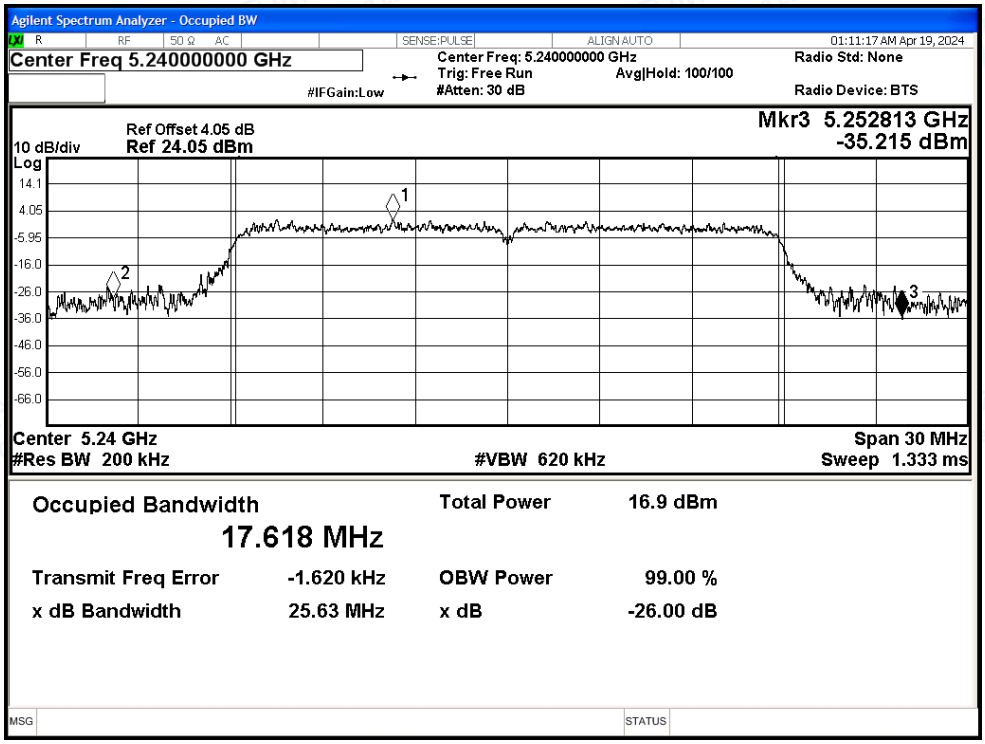
-26dB Bandwidth NVNT ac20 5180MHz Ant1



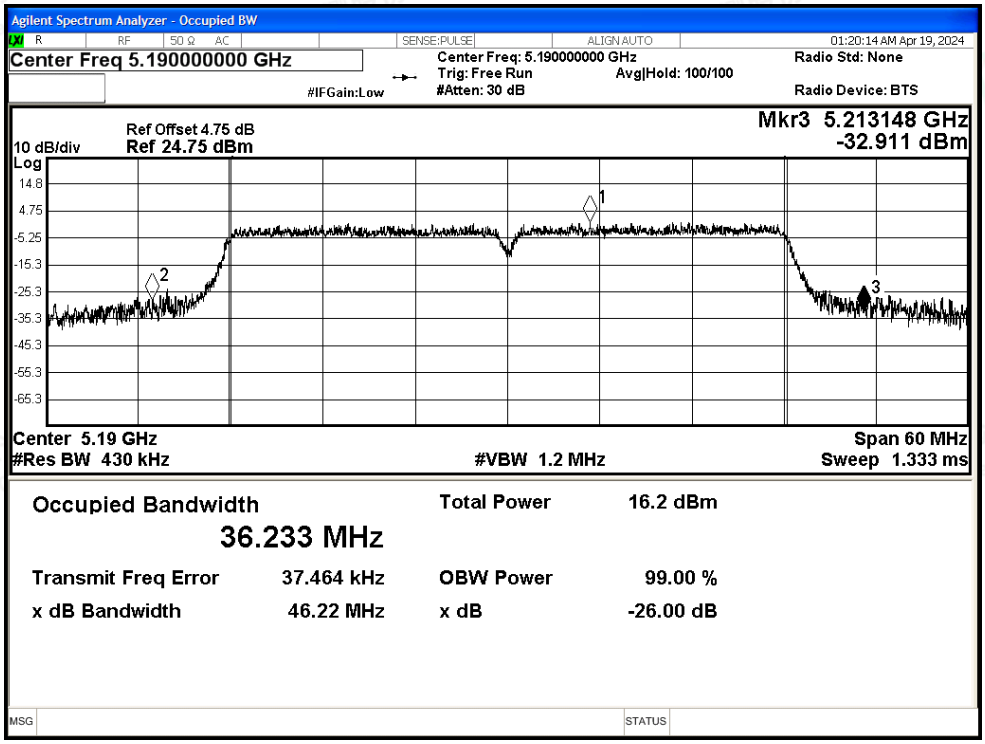
-26dB Bandwidth NVNT ac20 5200MHz Ant1



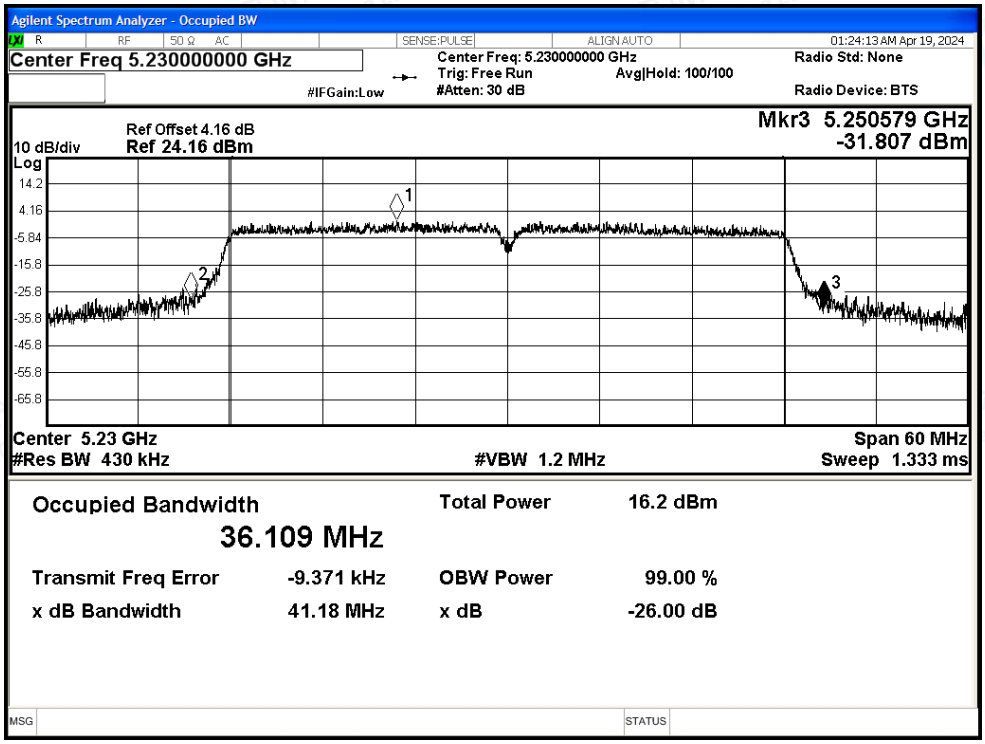
-26dB Bandwidth NVNT ac20 5240MHz Ant1



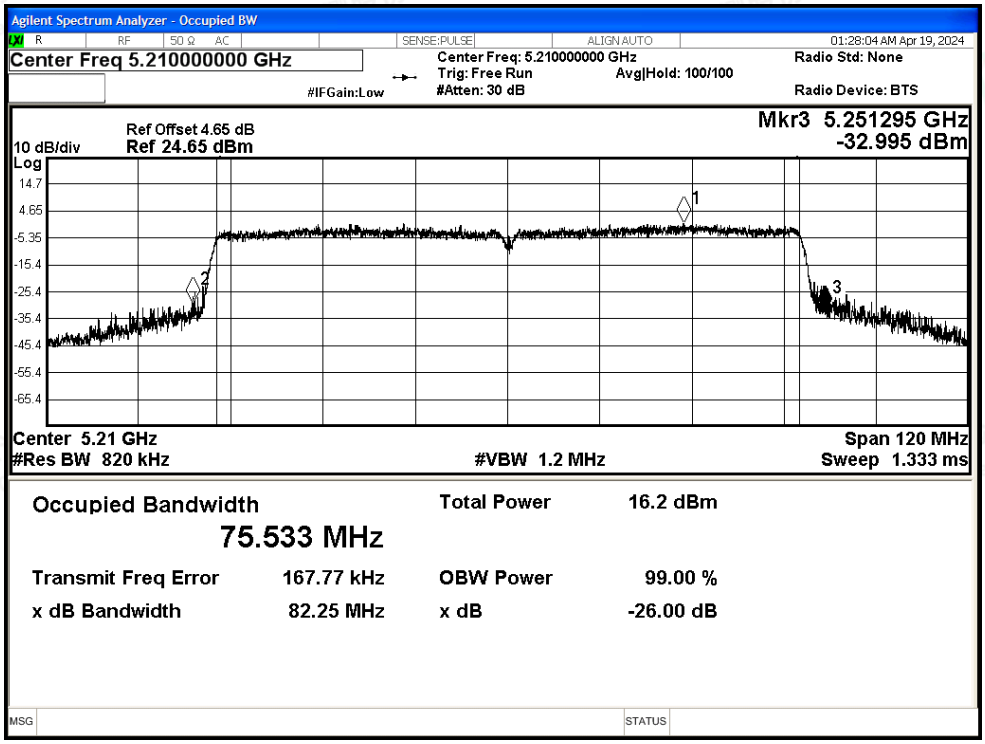
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



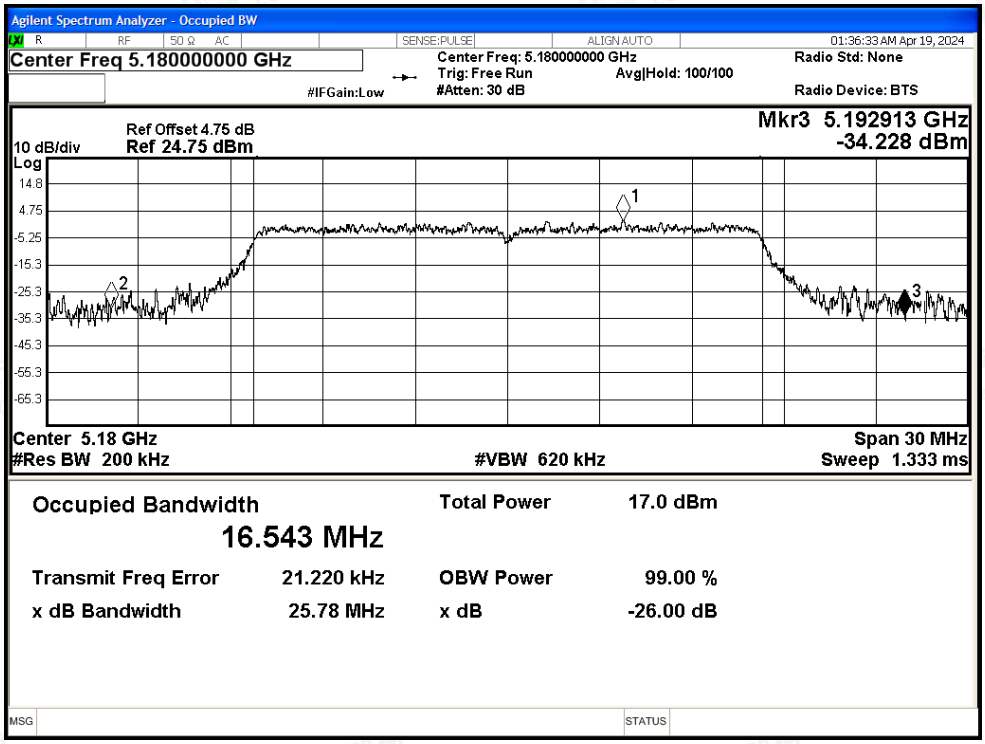
-26dB Bandwidth NVNT ac80 5210MHz Ant1



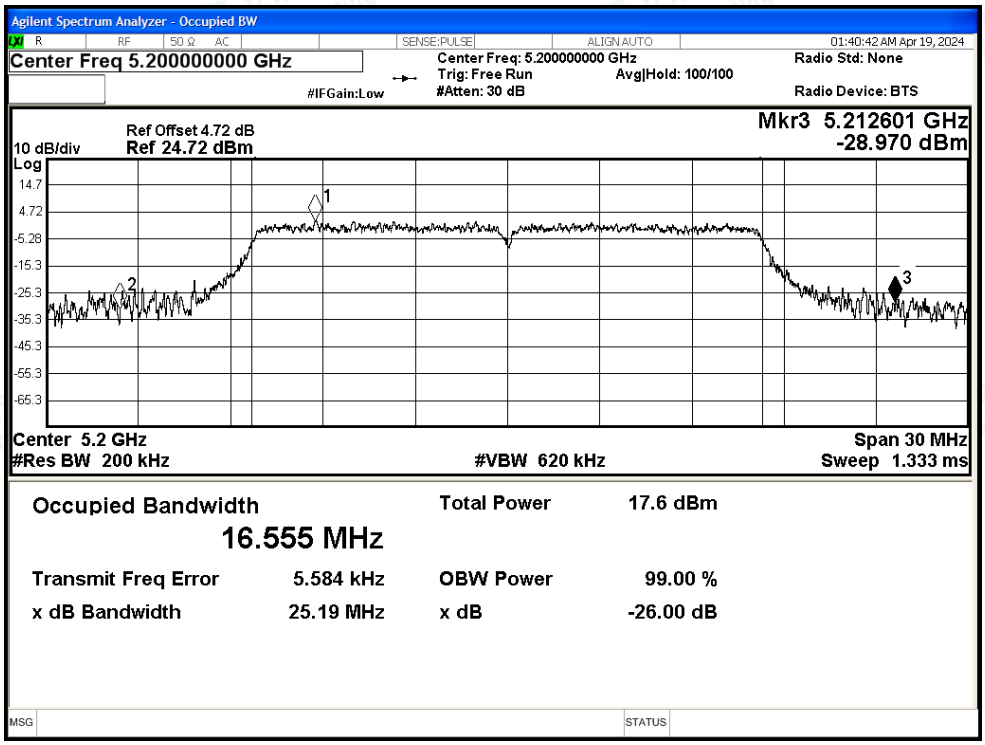
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant2	25.784	---	Pass
NVNT	a	5200	Ant2	25.19	---	Pass
NVNT	a	5240	Ant2	22.559	---	Pass
NVNT	n20	5180	Ant2	27.278	---	Pass
NVNT	n20	5200	Ant2	26.18	---	Pass
NVNT	n20	5240	Ant2	25.937	---	Pass
NVNT	n40	5190	Ant2	40.271	---	Pass
NVNT	n40	5230	Ant2	41.308	---	Pass
NVNT	ac20	5180	Ant2	24.122	---	Pass
NVNT	ac20	5200	Ant2	27.595	---	Pass
NVNT	ac20	5240	Ant2	27.426	---	Pass
NVNT	ac40	5190	Ant2	43.429	---	Pass
NVNT	ac40	5230	Ant2	45.448	---	Pass
NVNT	ac80	5210	Ant2	80.416	---	Pass

Test Graphs

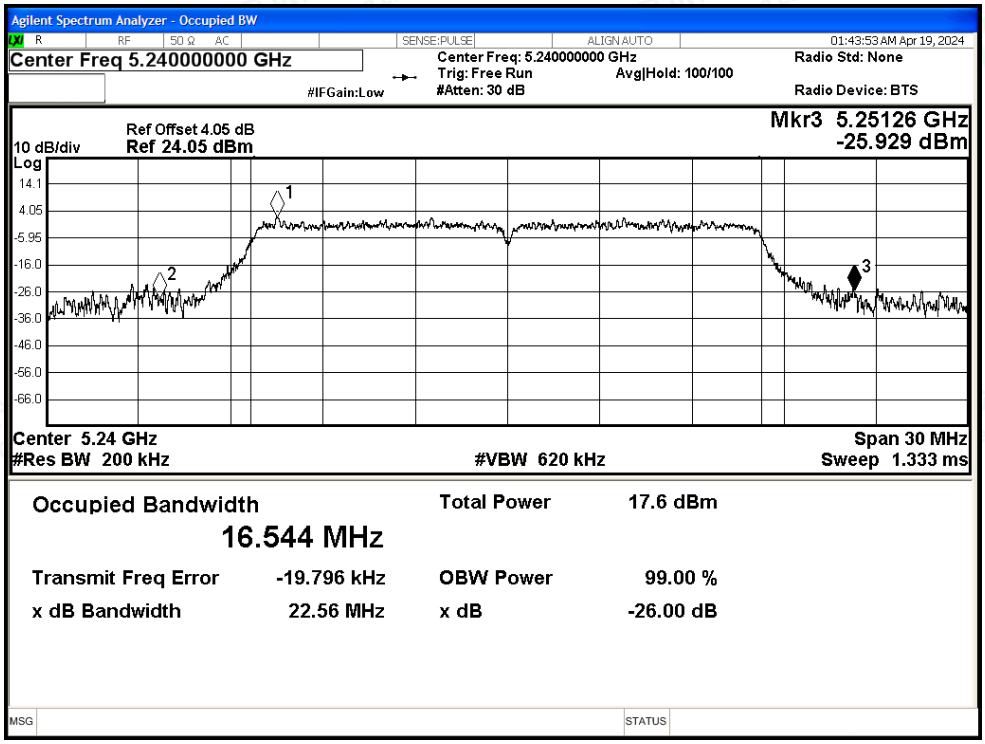
-26dB Bandwidth NVNT a 5180MHz Ant2



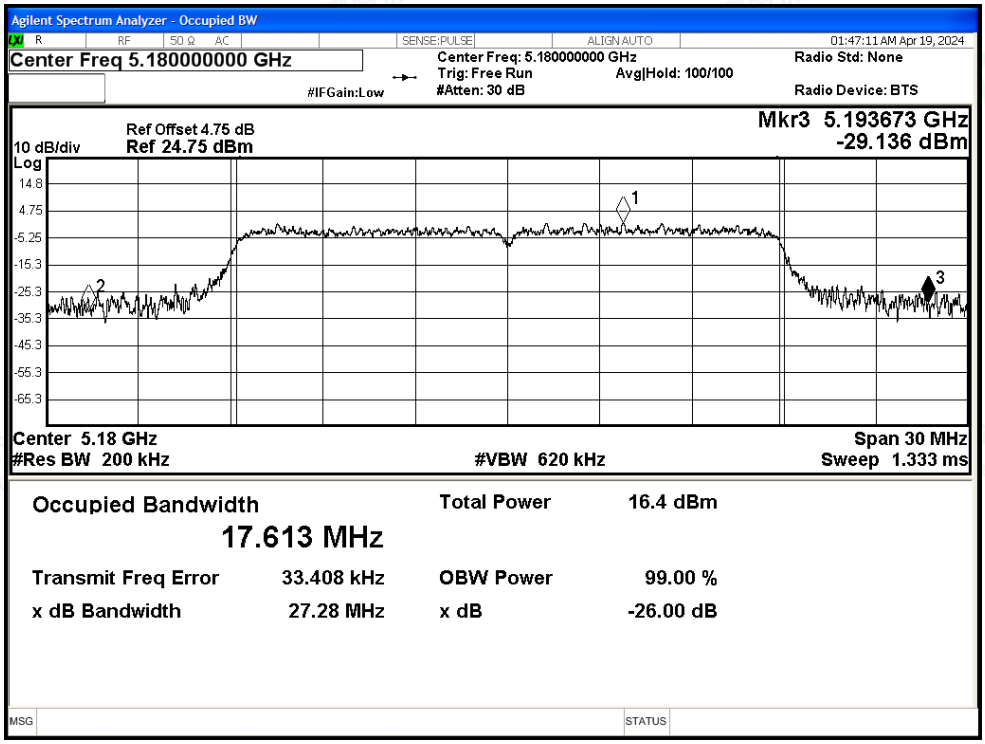
-26dB Bandwidth NVNT a 5200MHz Ant2



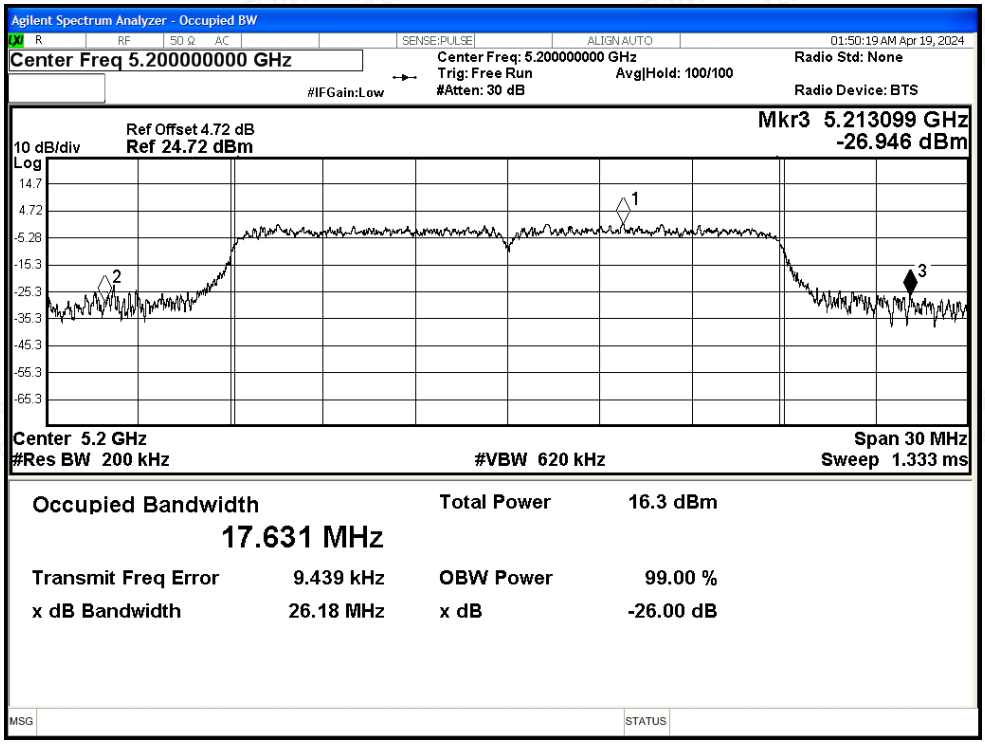
-26dB Bandwidth NVNT a 5240MHz Ant2



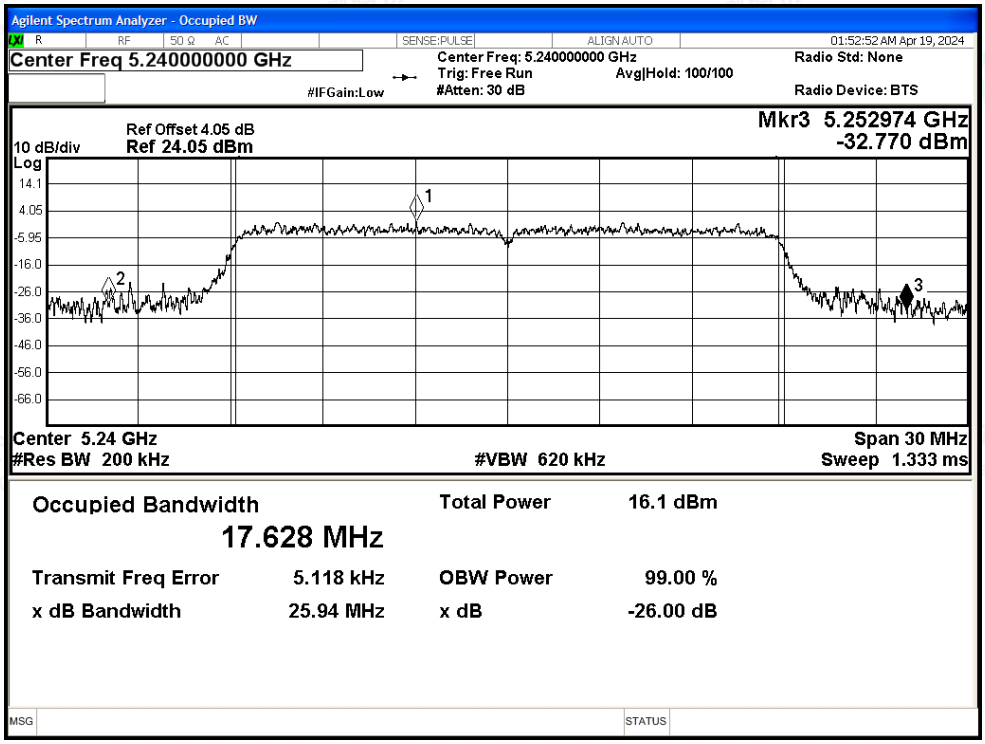
-26dB Bandwidth NVNT n20 5180MHz Ant2



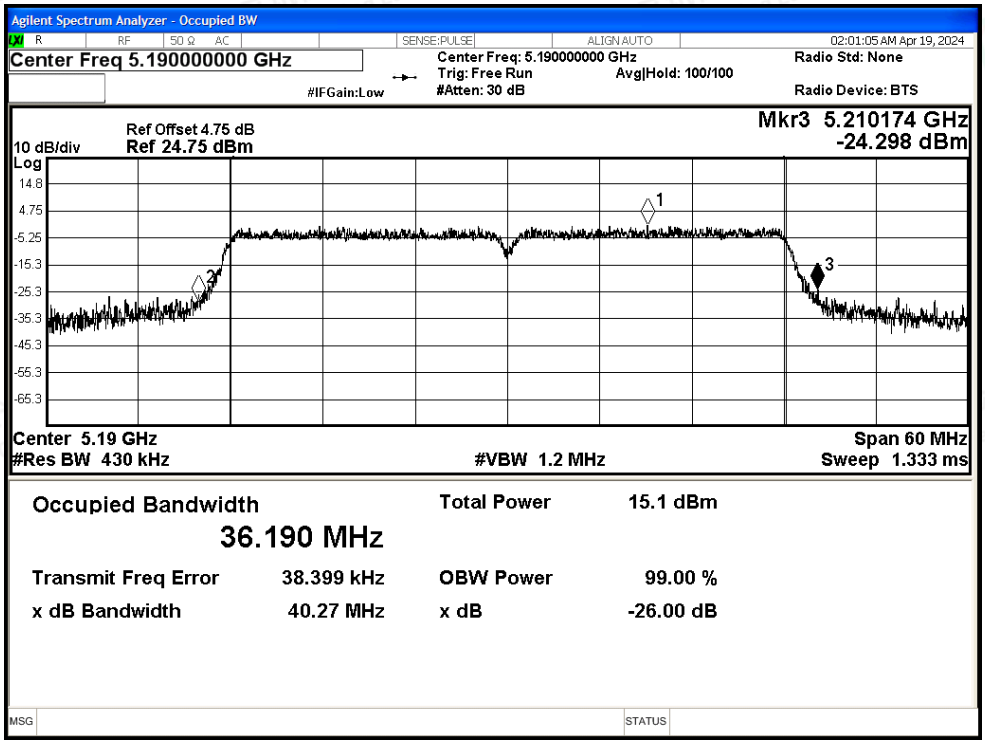
-26dB Bandwidth NVNT n20 5200MHz Ant2



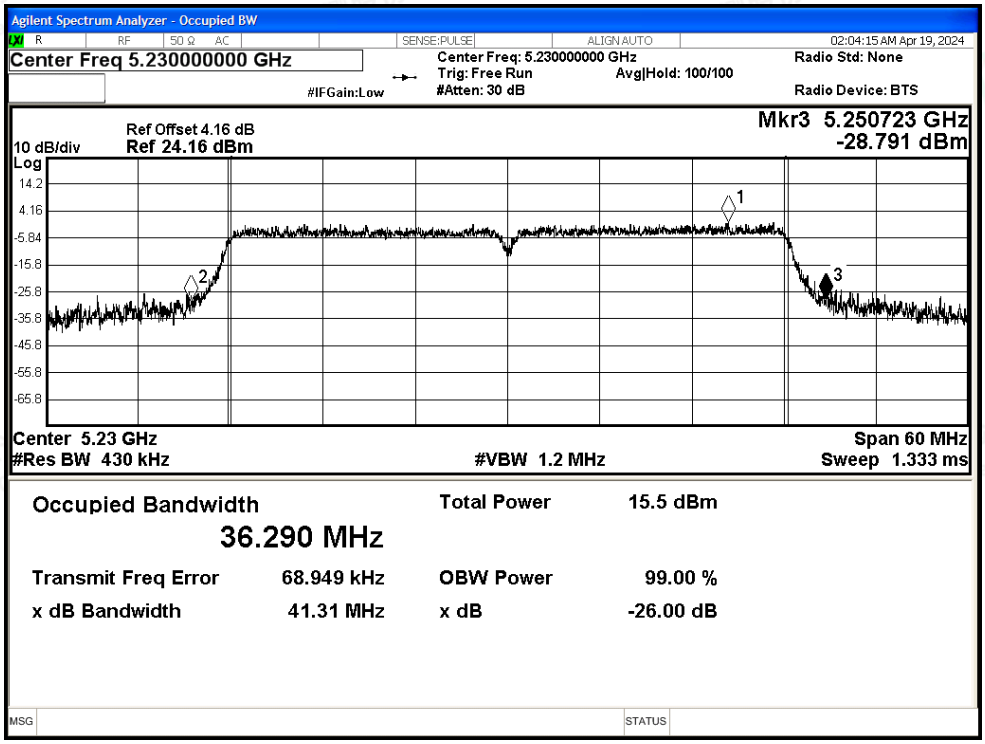
-26dB Bandwidth NVNT n20 5240MHz Ant2



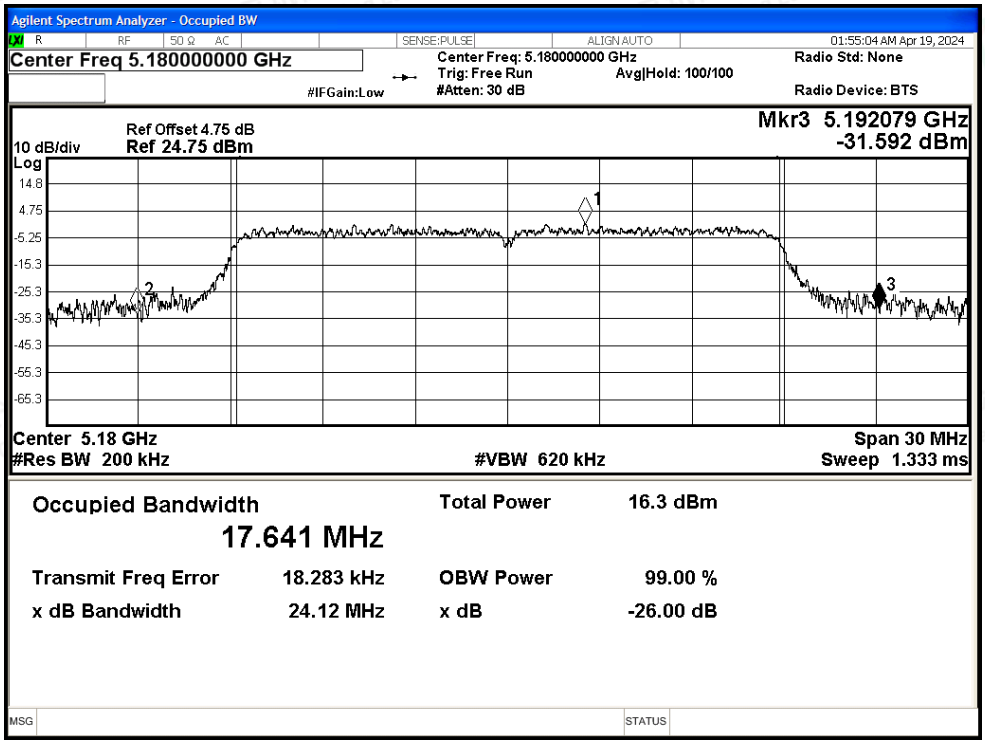
-26dB Bandwidth NVNT n40 5190MHz Ant2



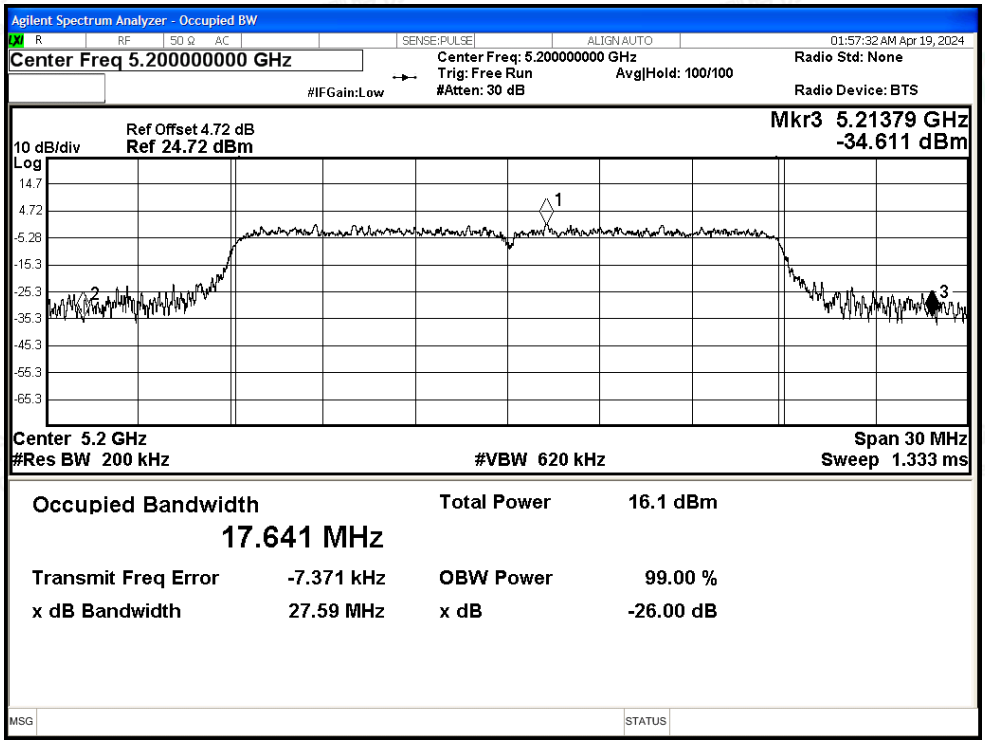
-26dB Bandwidth NVNT n40 5230MHz Ant2



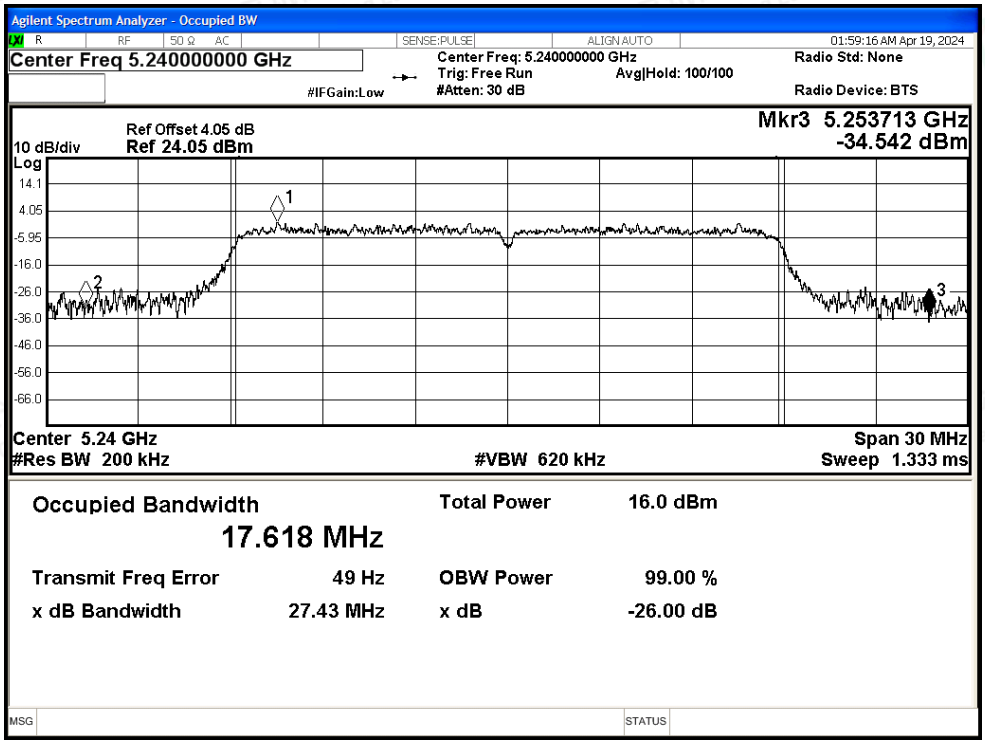
-26dB Bandwidth NVNT ac20 5180MHz Ant2



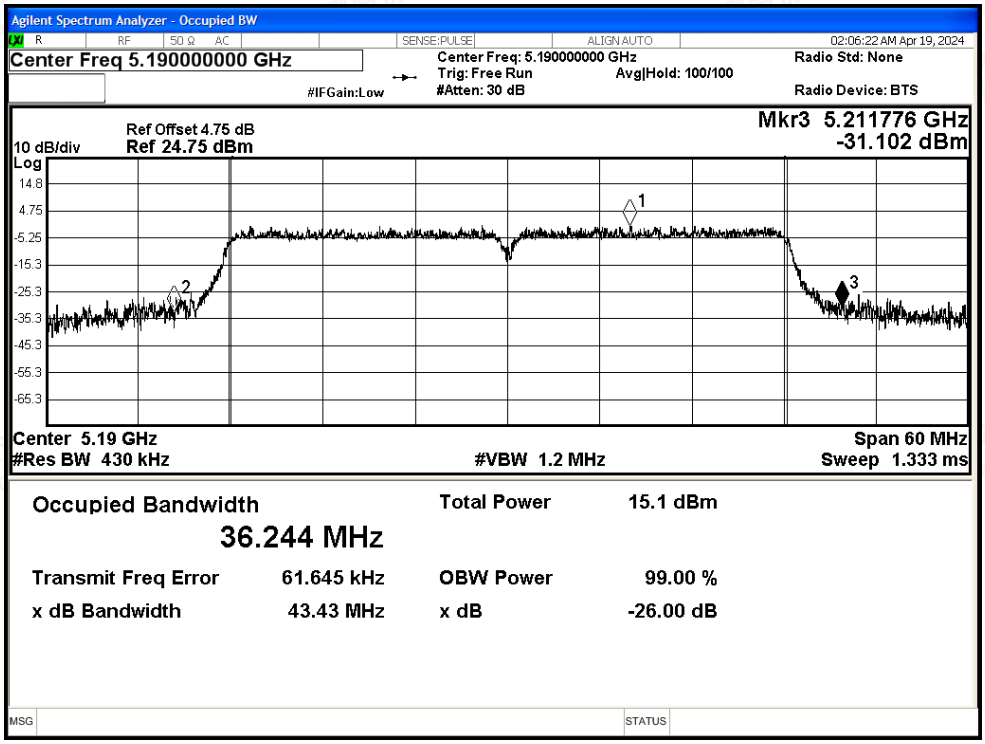
-26dB Bandwidth NVNT ac20 5200MHz Ant2



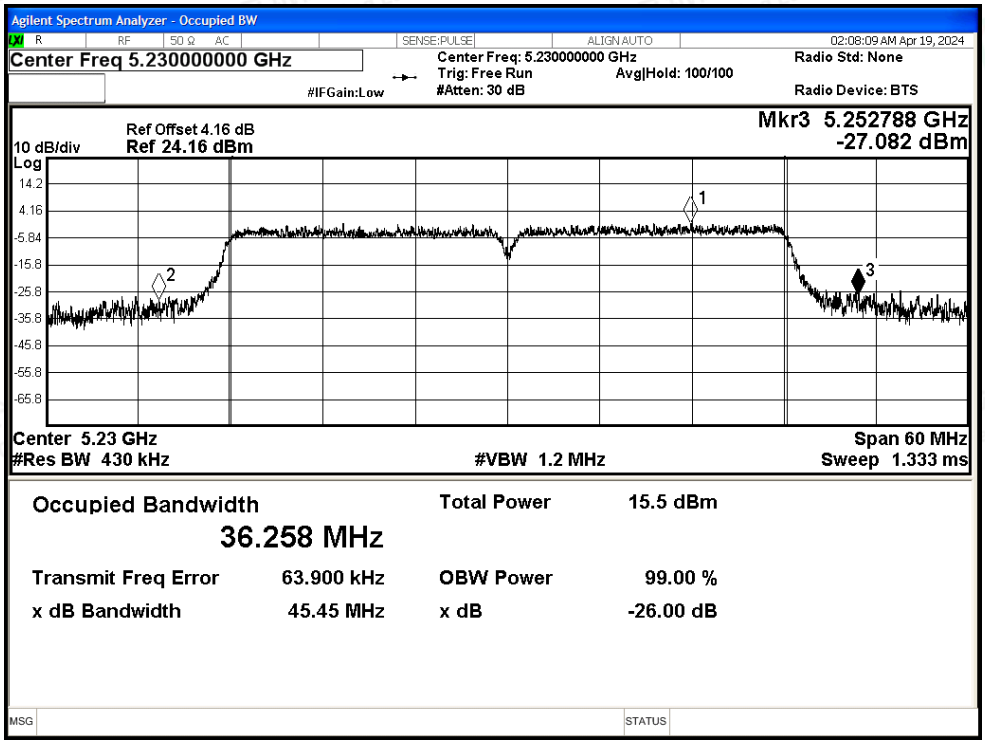
-26dB Bandwidth NVNT ac20 5240MHz Ant2



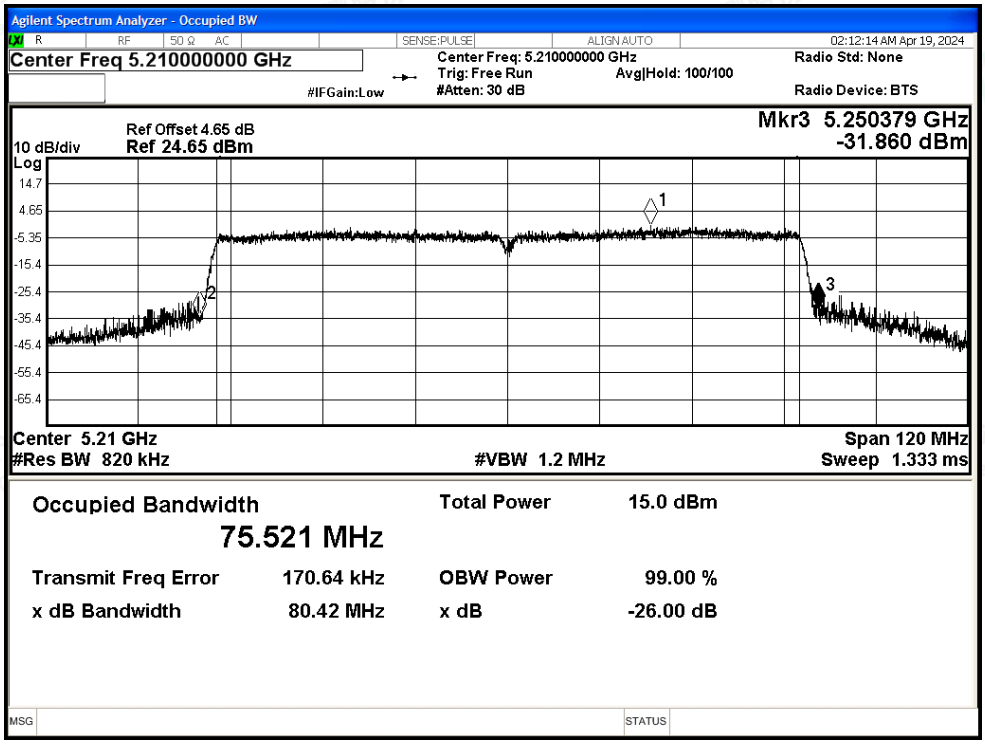
-26dB Bandwidth NVNT ac40 5190MHz Ant2



-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ac80 5210MHz Ant2



D.3 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	12.1	0.24	12.34	24	Pass
NVNT	a	5200	Ant1	12.18	0.24	12.42	24	Pass
NVNT	a	5240	Ant1	12.76	0.24	13	24	Pass
NVNT	n20	5180	Ant1	11.62	0.28	11.9	24	Pass
NVNT	n20	5200	Ant1	11.32	0.28	11.6	24	Pass
NVNT	n20	5240	Ant1	11.3	0.28	11.58	24	Pass
NVNT	n40	5190	Ant1	10.33	0.24	10.57	24	Pass
NVNT	n40	5230	Ant1	10.39	0.24	10.63	24	Pass
NVNT	ac20	5180	Ant1	11.58	0.28	11.86	24	Pass
NVNT	ac20	5200	Ant1	11.31	0.28	11.59	24	Pass
NVNT	ac20	5240	Ant1	11.29	0.28	11.57	24	Pass
NVNT	ac40	5190	Ant1	10.35	0.24	10.59	24	Pass
NVNT	ac40	5230	Ant1	10.51	0.24	10.75	24	Pass
NVNT	ac80	5210	Ant1	9.55	0.25	9.8	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	11.2	0.24	11.44	24	Pass
NVNT	a	5200	Ant2	11.91	0.24	12.15	24	Pass
NVNT	a	5240	Ant2	11.87	0.24	12.11	24	Pass
NVNT	n20	5180	Ant2	10.54	0.28	10.82	24	Pass
NVNT	n20	5200	Ant2	10.42	0.28	10.7	24	Pass
NVNT	n20	5240	Ant2	10.36	0.28	10.64	24	Pass
NVNT	n40	5190	Ant2	9.23	0.24	9.47	24	Pass
NVNT	n40	5230	Ant2	9.63	0.24	9.87	24	Pass
NVNT	ac20	5180	Ant2	10.6	0.28	10.88	24	Pass
NVNT	ac20	5200	Ant2	10.33	0.28	10.61	24	Pass
NVNT	ac20	5240	Ant2	10.32	0.28	10.6	24	Pass
NVNT	ac40	5190	Ant2	9.31	0.24	9.55	24	Pass
NVNT	ac40	5230	Ant2	9.7	0.24	9.94	24	Pass
NVNT	ac80	5210	Ant2	8.17	0.25	8.42	24	Pass

MIMO

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	11.9	10.82	14.40	24	Pass
NVNT	n20	5200	11.6	10.7	14.18	24	Pass
NVNT	n20	5240	11.58	10.64	14.15	24	Pass
NVNT	n40	5190	10.57	9.47	13.07	24	Pass
NVNT	n40	5230	10.63	9.87	13.28	24	Pass
NVNT	ac20	5180	11.86	10.88	14.41	24	Pass
NVNT	ac20	5200	11.59	10.61	14.14	24	Pass
NVNT	ac20	5240	11.57	10.6	14.12	24	Pass
NVNT	ac40	5190	10.59	9.55	13.11	24	Pass
NVNT	ac40	5230	10.75	9.94	13.37	24	Pass
NVNT	ac80	5210	9.8	8.42	12.17	24	Pass

D.4 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	1.53	0.24	1.77	11	Pass
NVNT	a	5200	Ant1	1.64	0.24	1.88	11	Pass
NVNT	a	5240	Ant1	2.22	0.24	2.46	11	Pass
NVNT	n20	5180	Ant1	0.94	0.28	1.22	11	Pass
NVNT	n20	5200	Ant1	0.89	0.28	1.17	11	Pass
NVNT	n20	5240	Ant1	0.49	0.28	0.77	11	Pass
NVNT	n40	5190	Ant1	-3.41	0.24	-3.17	11	Pass
NVNT	n40	5230	Ant1	-3.3	0.24	-3.06	11	Pass
NVNT	ac20	5180	Ant1	0.66	0.28	0.94	11	Pass
NVNT	ac20	5200	Ant1	0.72	0.28	1	11	Pass
NVNT	ac20	5240	Ant1	0.52	0.28	0.8	11	Pass
NVNT	ac40	5190	Ant1	-3.16	0.24	-2.92	11	Pass
NVNT	ac40	5230	Ant1	-3.31	0.24	-3.07	11	Pass
NVNT	ac80	5210	Ant1	-6.7	0.25	-6.45	11	Pass

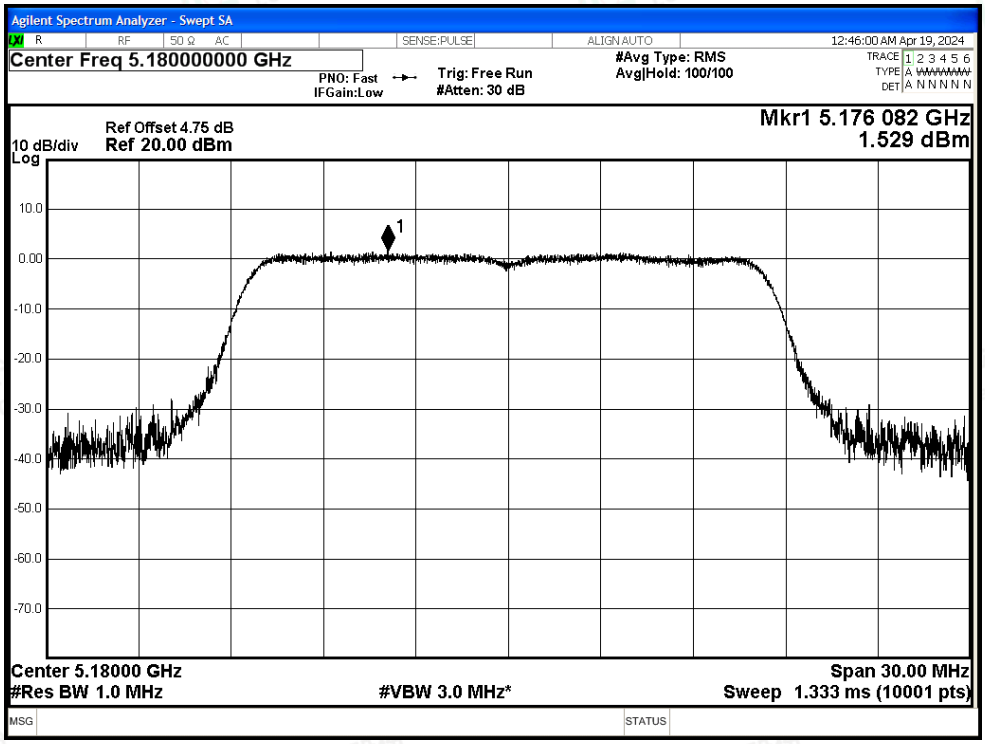
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant2	0.75	0.24	0.99	11	Pass
NVNT	a	5200	Ant2	1.3	0.24	1.54	11	Pass
NVNT	a	5240	Ant2	1.29	0.24	1.53	11	Pass
NVNT	n20	5180	Ant2	-0.02	0.28	0.26	11	Pass
NVNT	n20	5200	Ant2	-0.22	0.28	0.06	11	Pass
NVNT	n20	5240	Ant2	-0.24	0.28	0.04	11	Pass
NVNT	n40	5190	Ant2	-4.59	0.24	-4.35	11	Pass
NVNT	n40	5230	Ant2	-4.01	0.24	-3.77	11	Pass
NVNT	ac20	5180	Ant2	-0.25	0.28	0.03	11	Pass
NVNT	ac20	5200	Ant2	-0.53	0.28	-0.25	11	Pass
NVNT	ac20	5240	Ant2	-0.36	0.28	-0.08	11	Pass
NVNT	ac40	5190	Ant2	-4.19	0.24	-3.95	11	Pass
NVNT	ac40	5230	Ant2	-3.82	0.24	-3.58	11	Pass
NVNT	ac80	5210	Ant2	-7.98	0.25	-7.73	11	Pass

MIMO

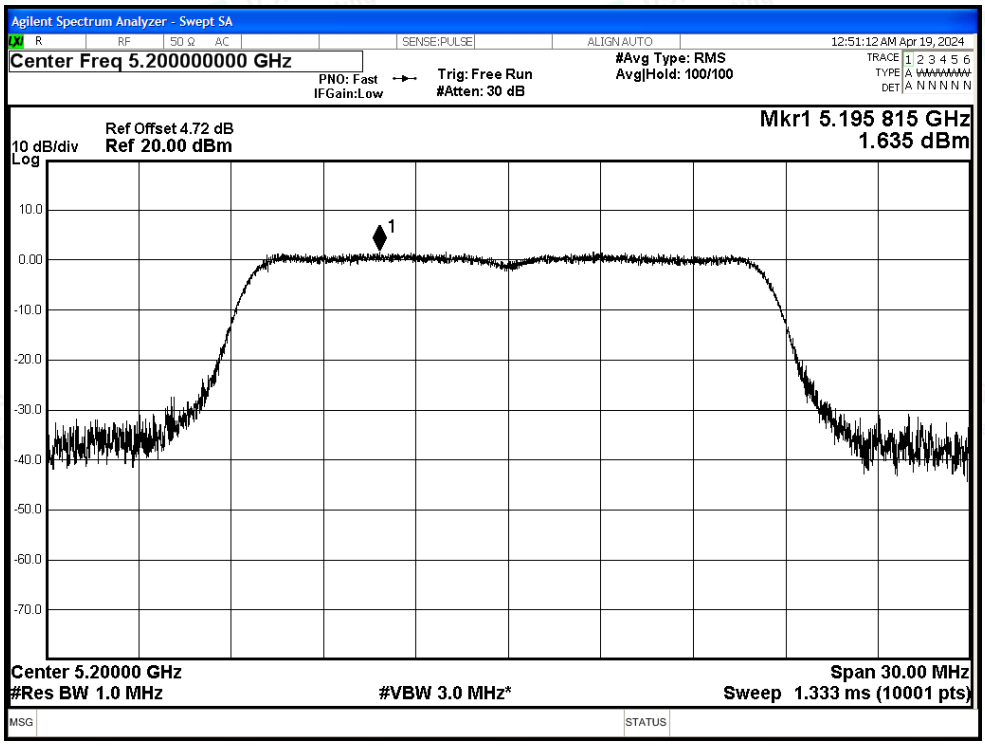
Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit	Verdict
			Ant1	Ant2	Ant1+Ant2	(dBm/MHz)	
NVNT	n20	5180	1.22	0.26	3.78	11	Pass
NVNT	n20	5200	1.17	0.06	3.66	11	Pass
NVNT	n20	5240	0.77	0.04	3.43	11	Pass
NVNT	n40	5190	-3.17	-4.35	-0.71	11	Pass
NVNT	n40	5230	-3.06	-3.77	-0.39	11	Pass
NVNT	ac20	5180	0.94	0.03	3.52	11	Pass
NVNT	ac20	5200	1	-0.25	3.43	11	Pass
NVNT	ac20	5240	0.8	-0.08	3.39	11	Pass
NVNT	ac40	5190	-2.92	-3.95	-0.39	11	Pass
NVNT	ac40	5230	-3.07	-3.58	-0.31	11	Pass
NVNT	ac80	5210	-6.45	-7.73	-4.03	11	Pass

Test Graphs

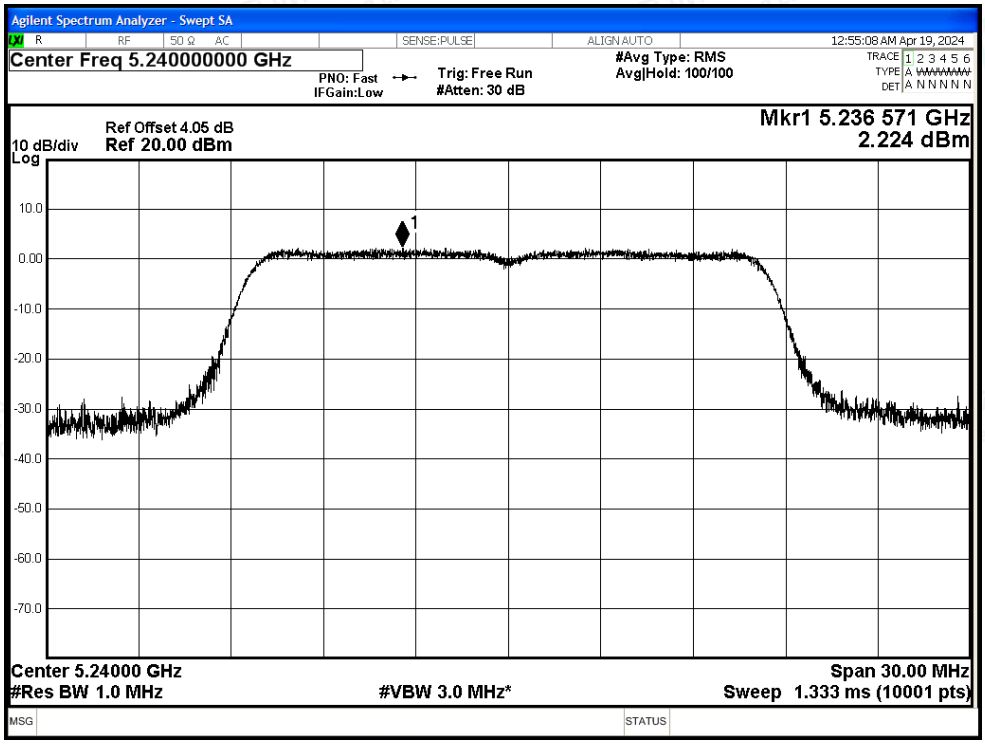
PSD NVNT a 5180MHz Ant1



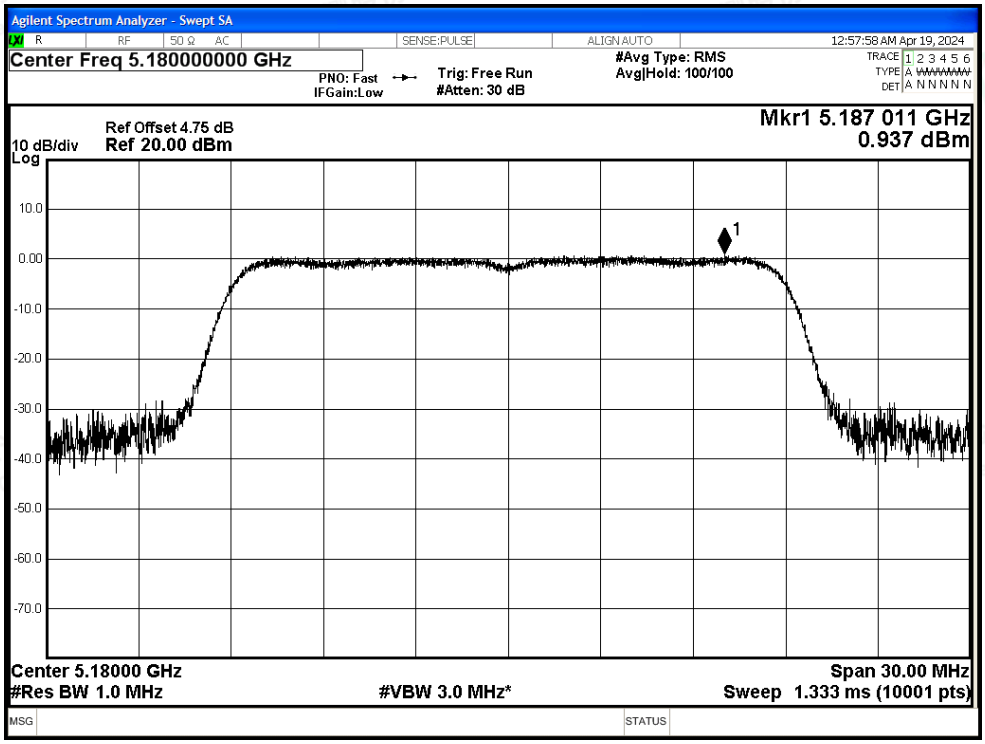
PSD NVNT a 5200MHz Ant1



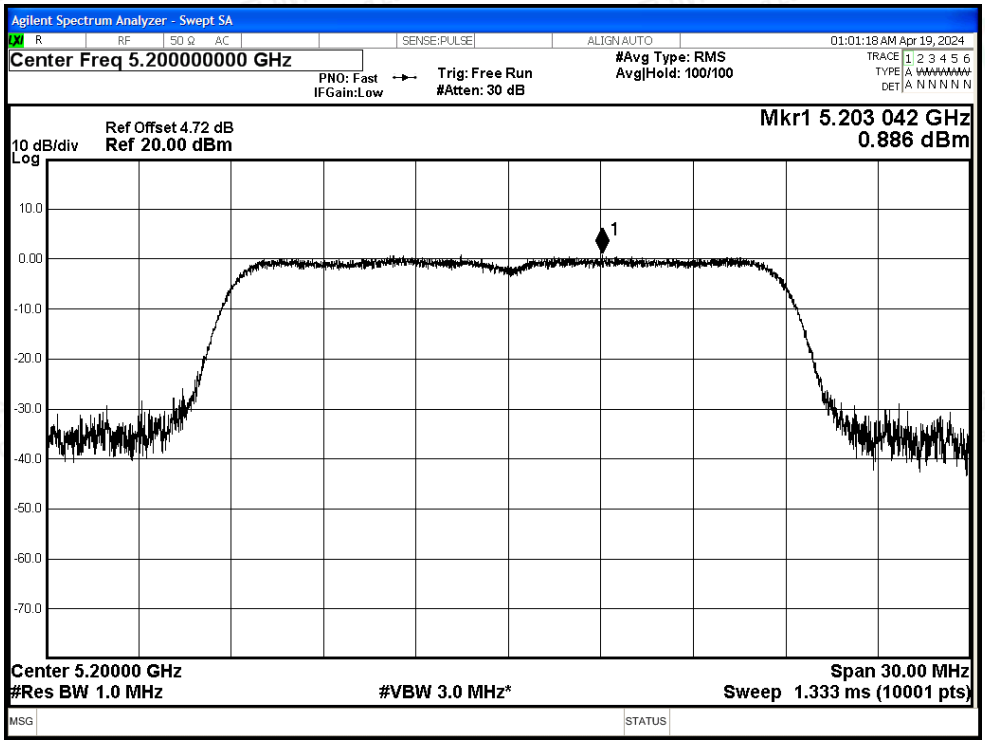
PSD NVNT a 5240MHz Ant1



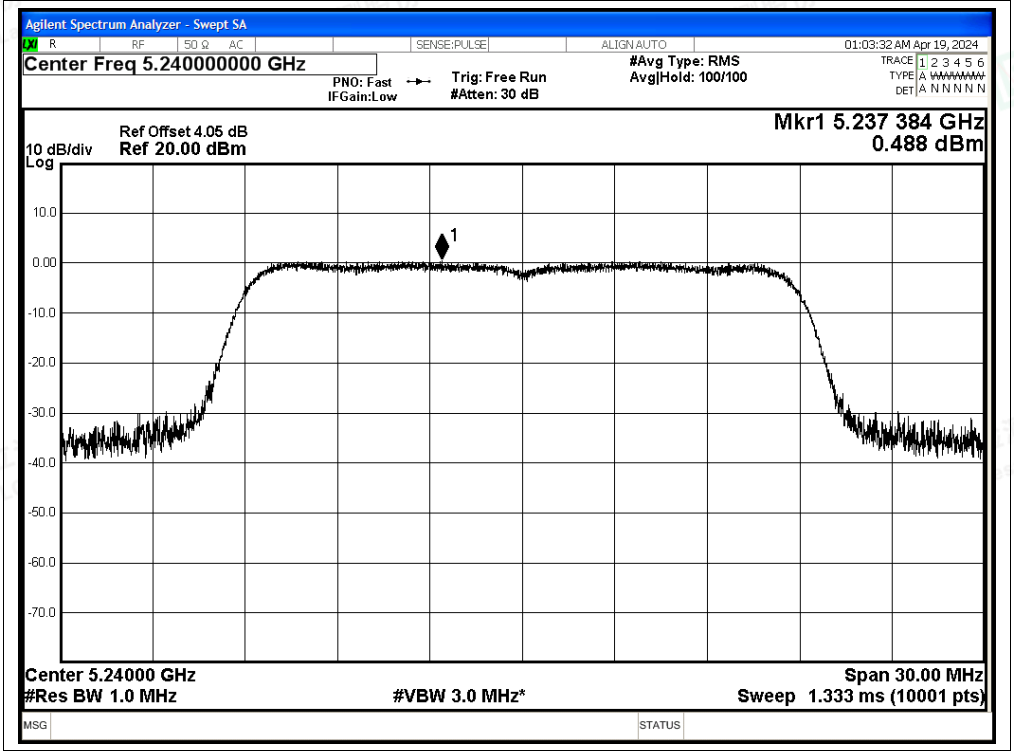
PSD NVNT n20 5180MHz Ant1



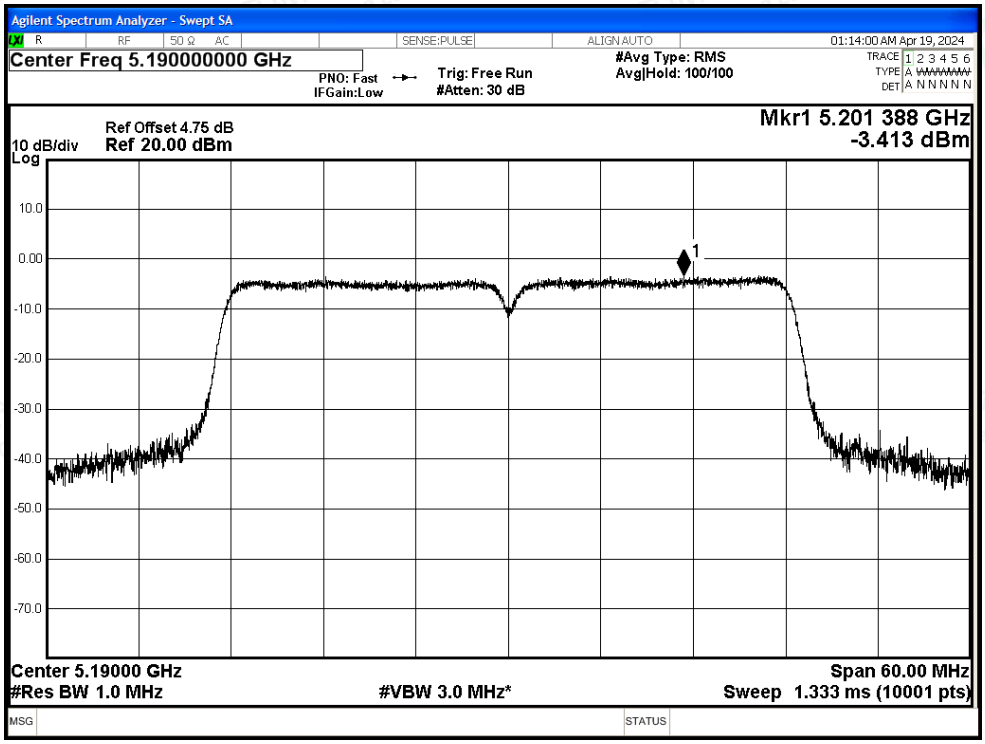
PSD NVNT n20 5200MHz Ant1



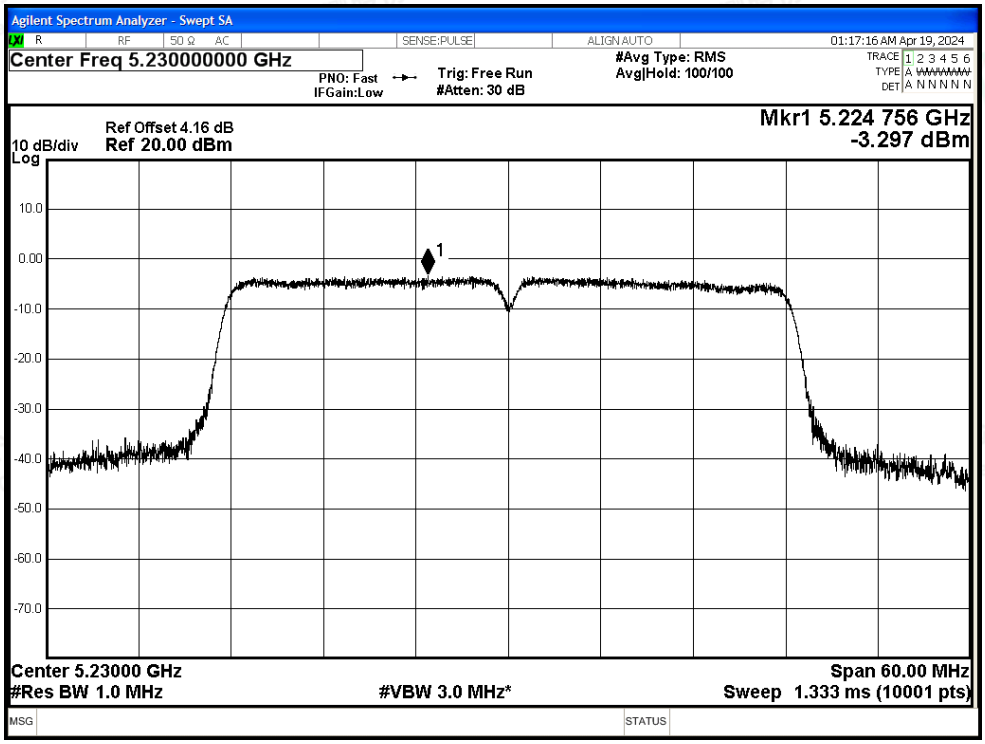
PSD NVNT n20 5240MHz Ant1



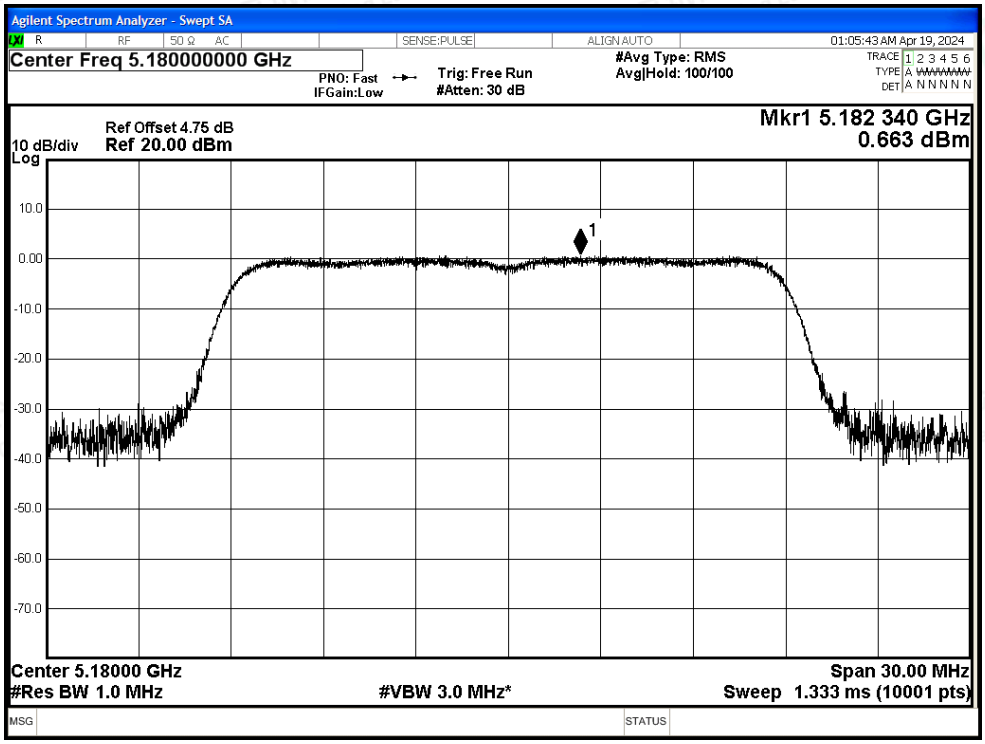
PSD NVNT n40 5190MHz Ant1



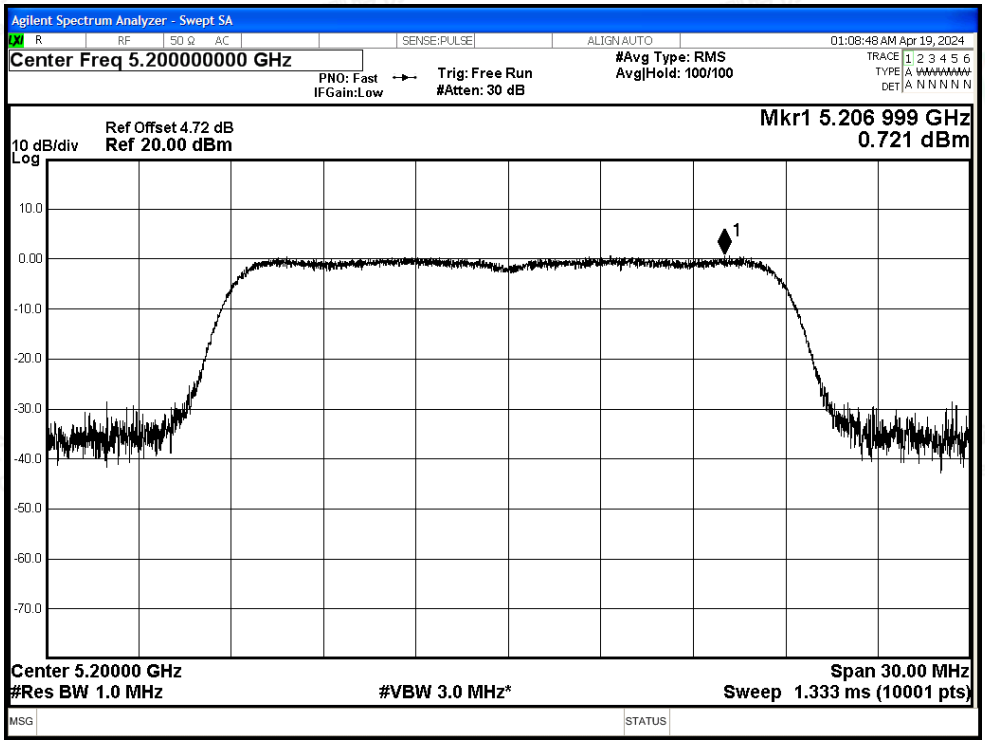
PSD NVNT n40 5230MHz Ant1



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



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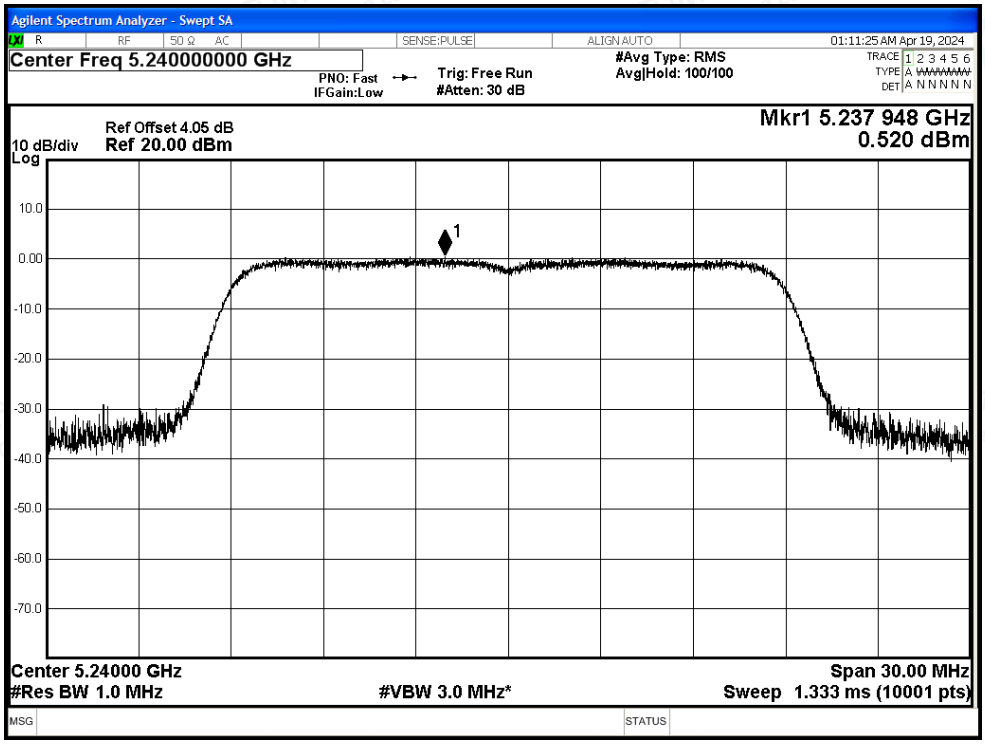
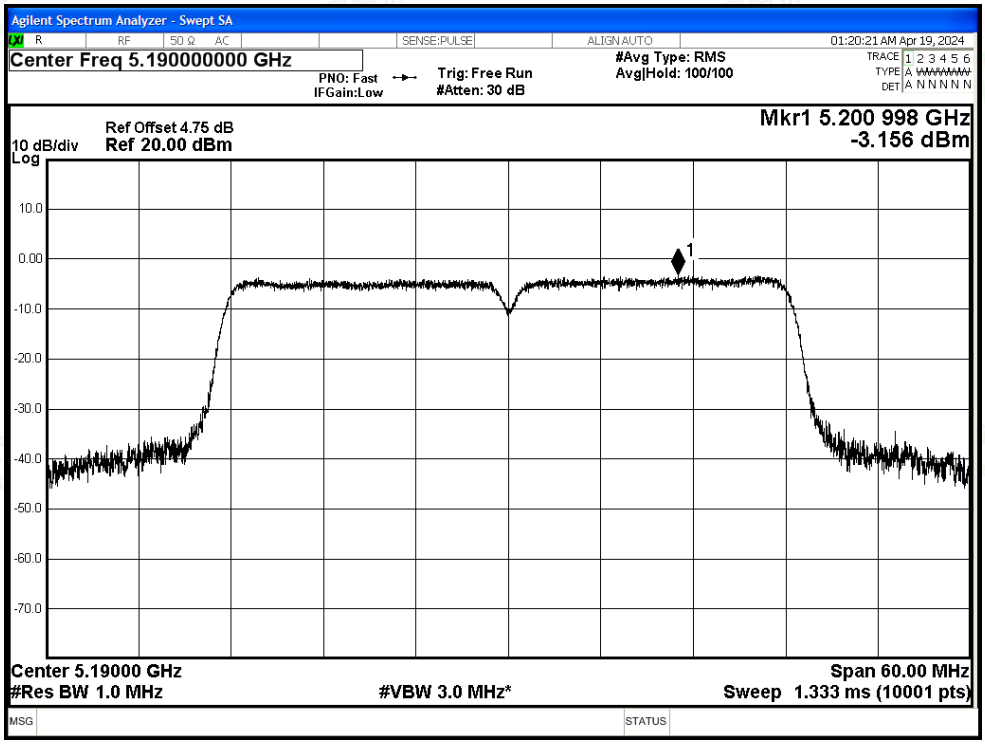
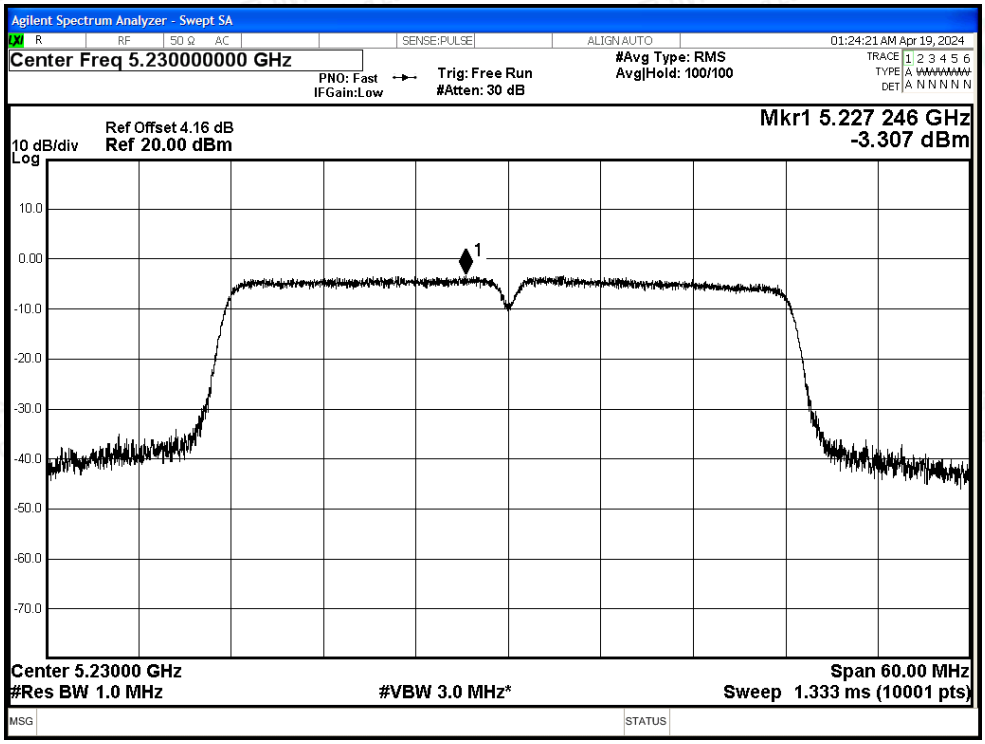


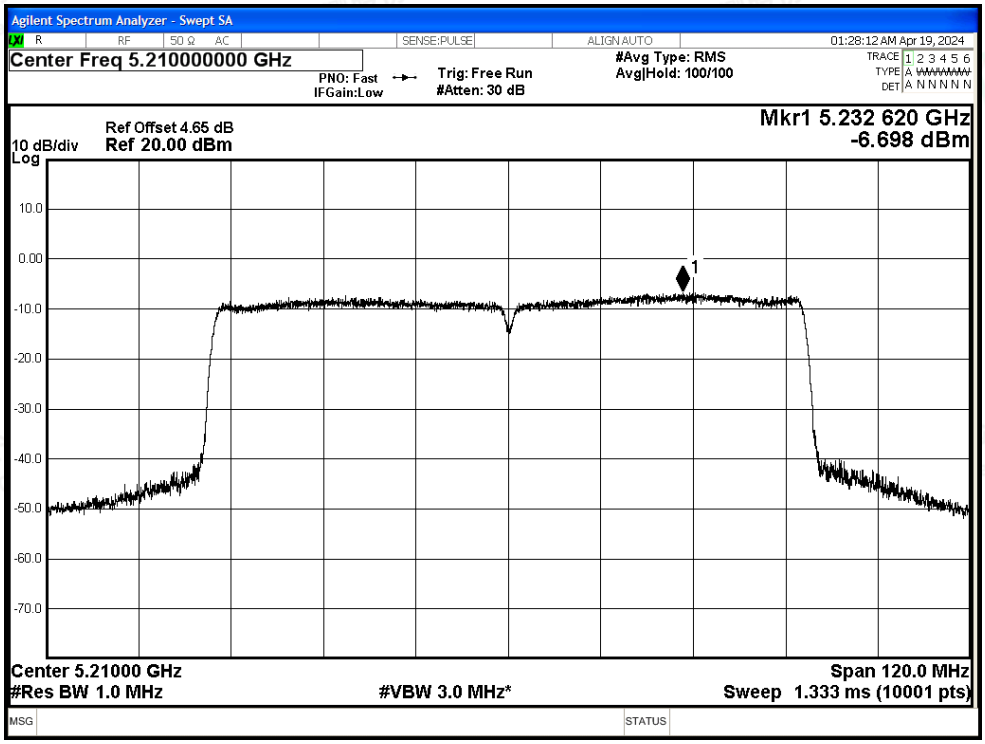
PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1

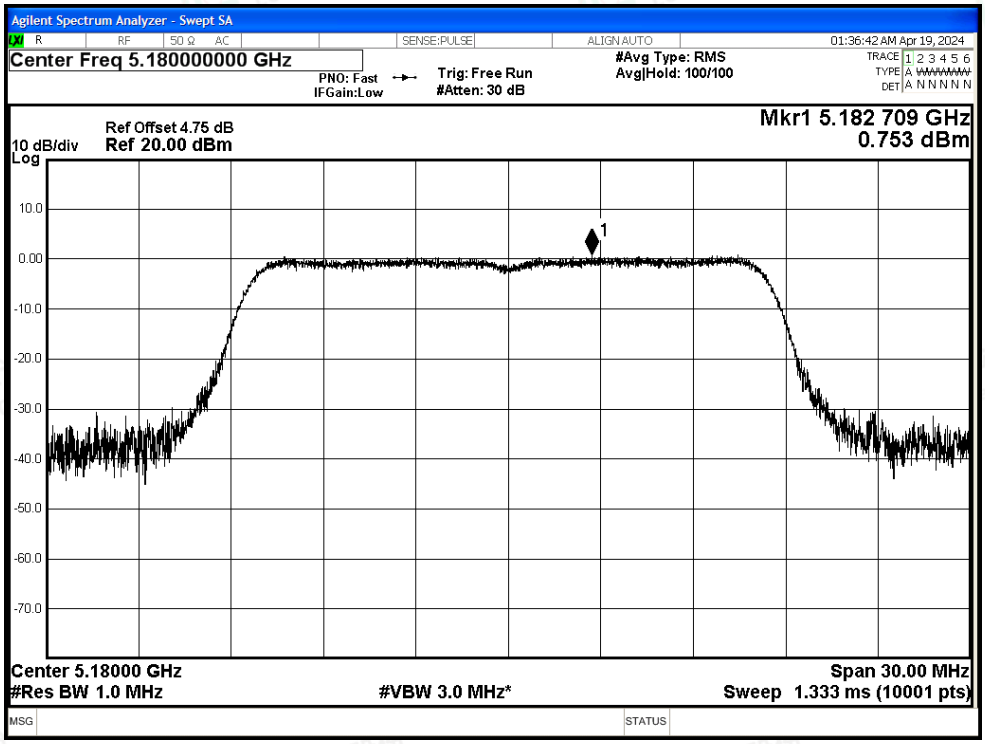


PSD NVNT ac80 5210MHz Ant1

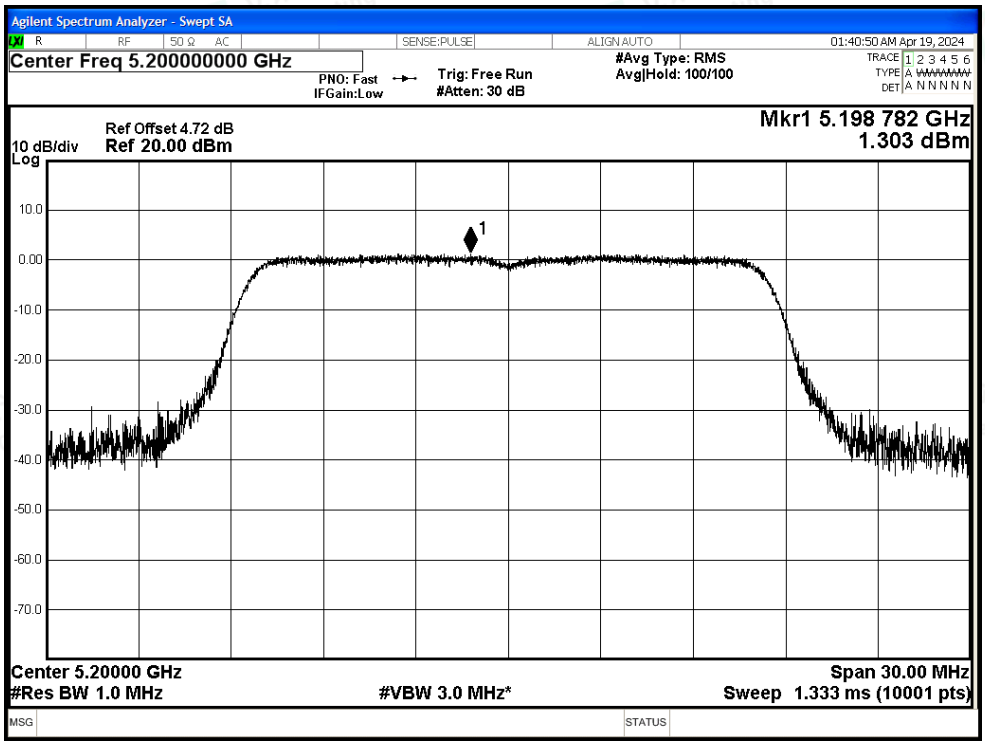


Test Graphs

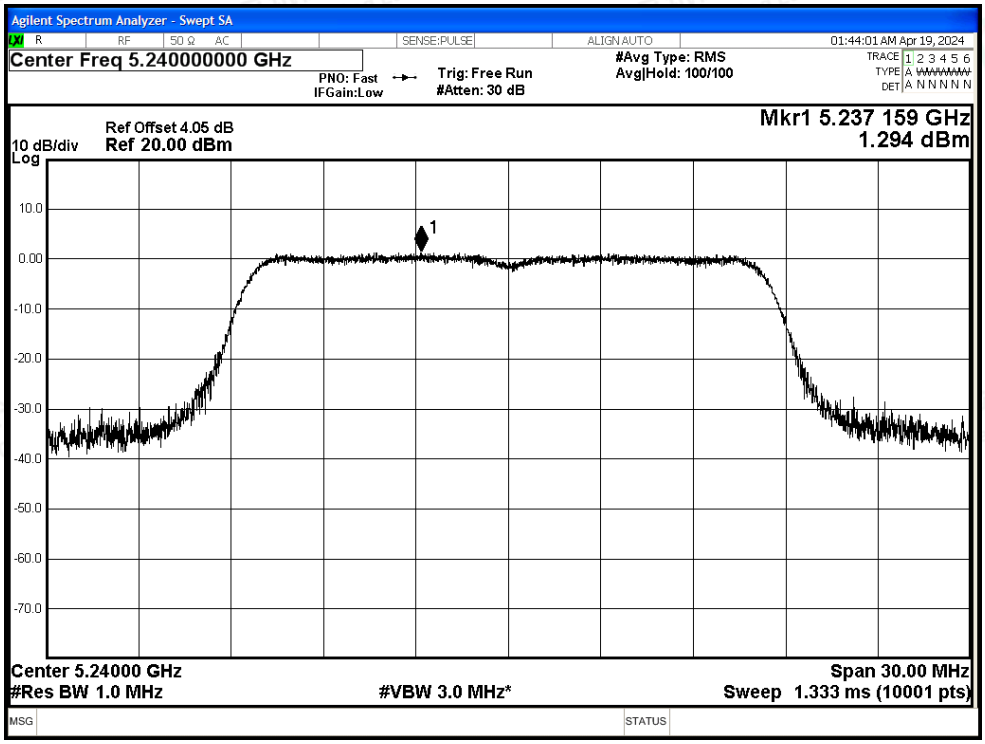
PSD NVNT a 5180MHz Ant2



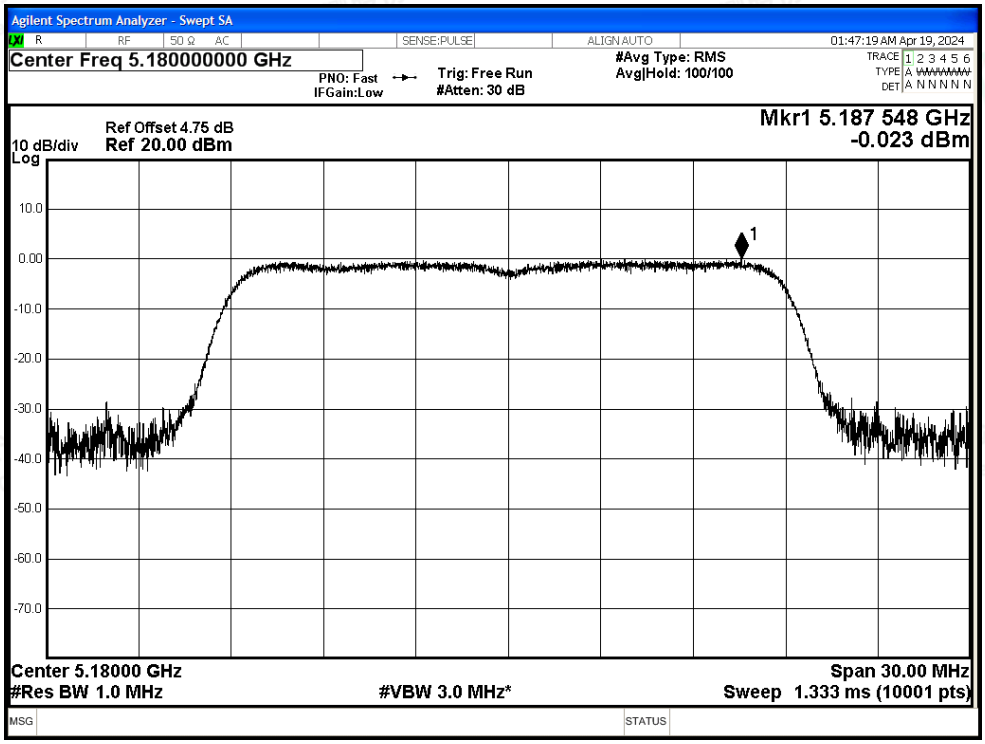
PSD NVNT a 5200MHz Ant2



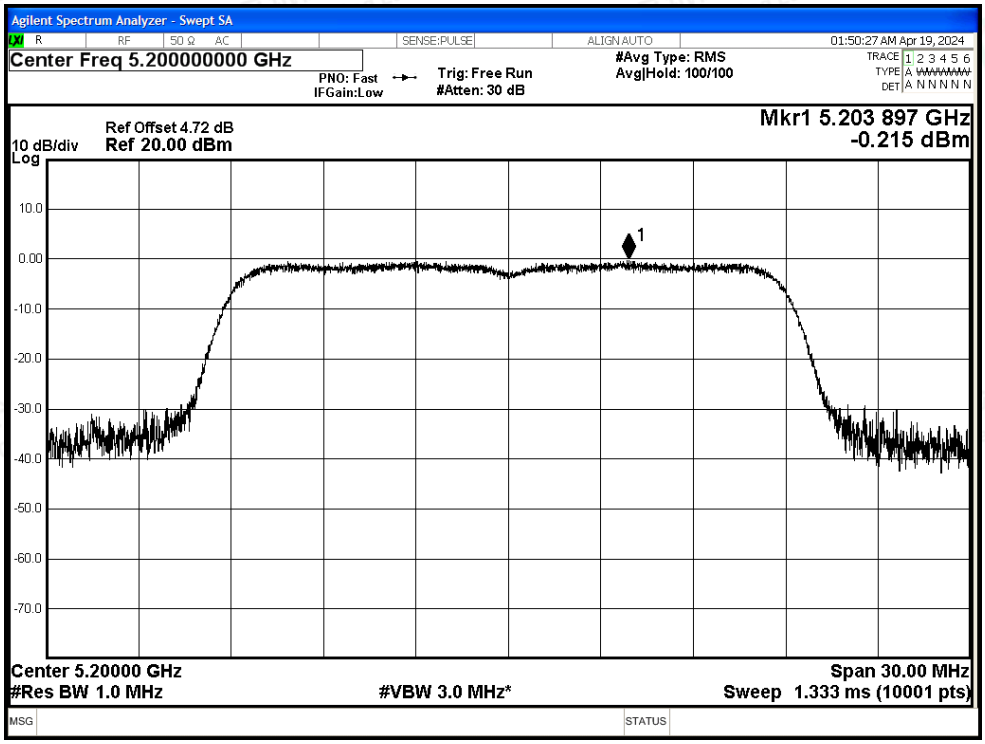
PSD NVNT a 5240MHz Ant2



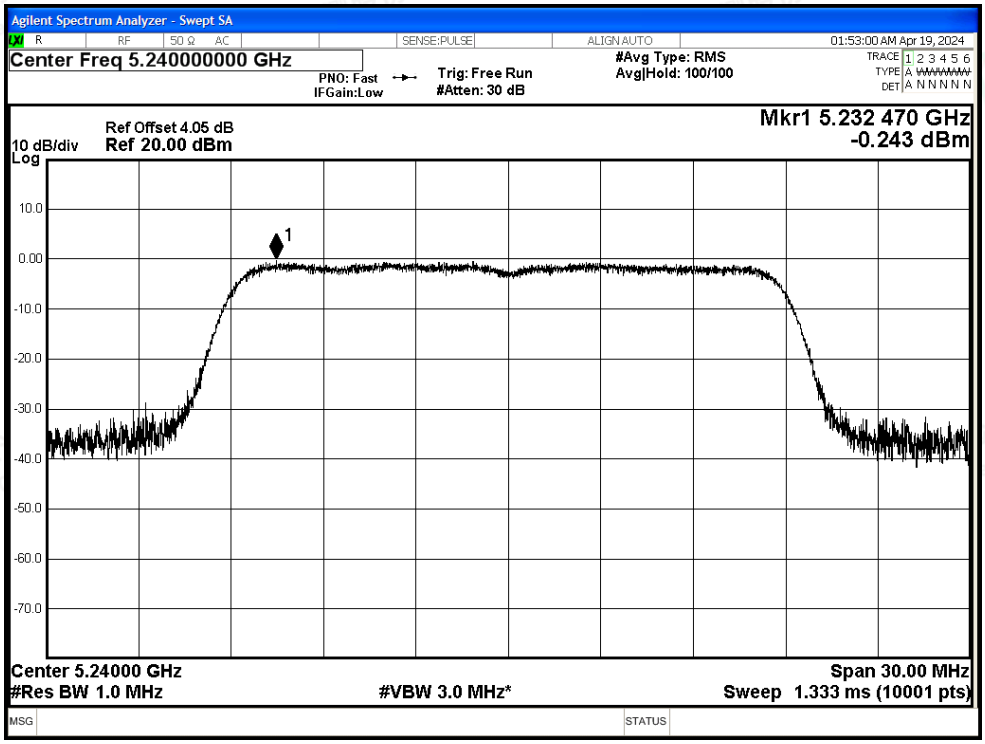
PSD NVNT n20 5180MHz Ant2



PSD NVNT n20 5200MHz Ant2



PSD NVNT n20 5240MHz Ant2



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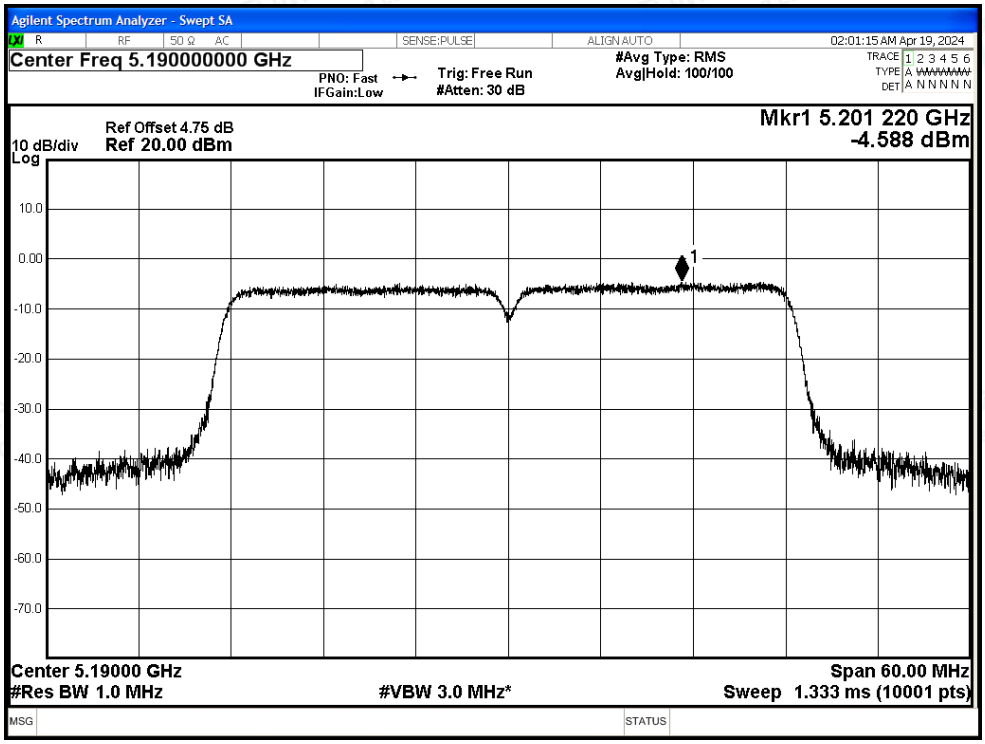
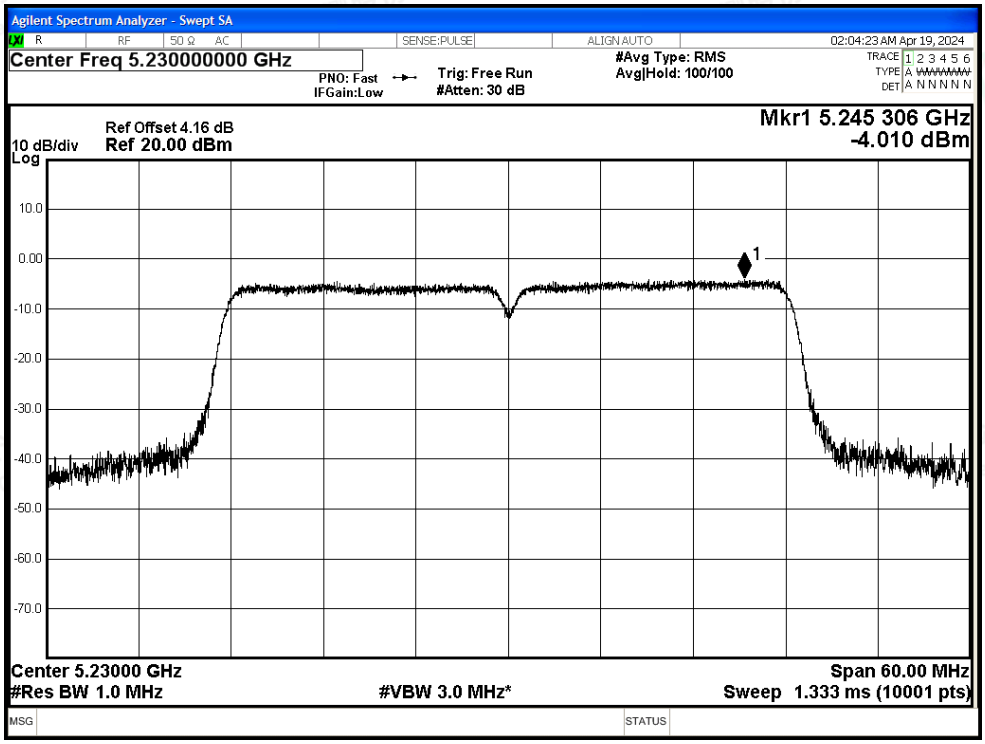
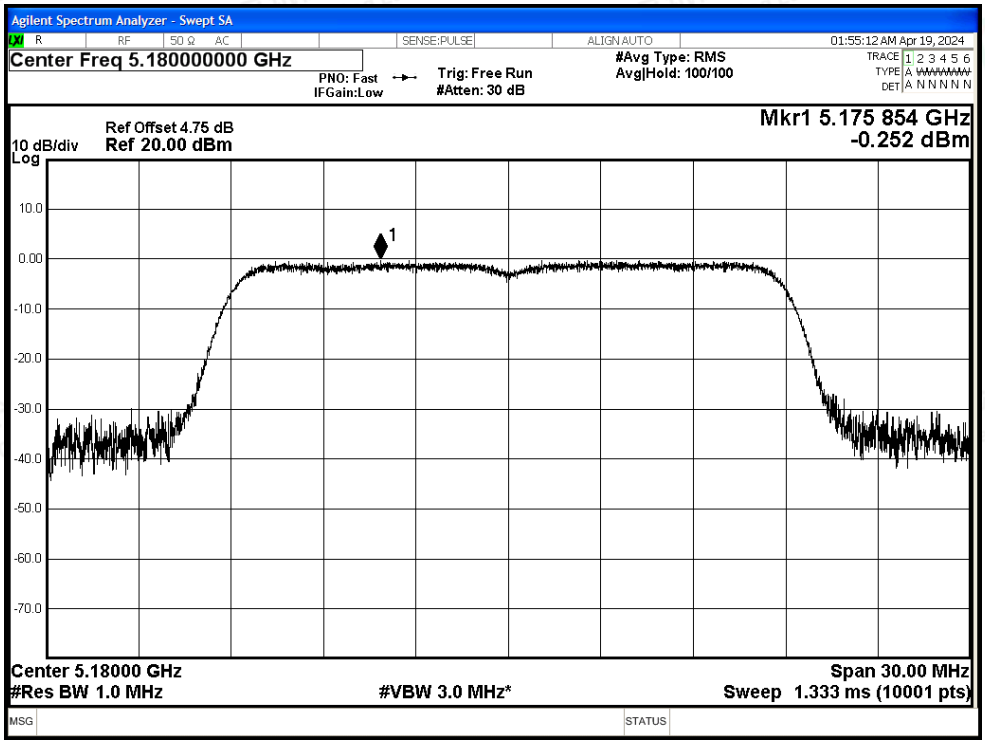


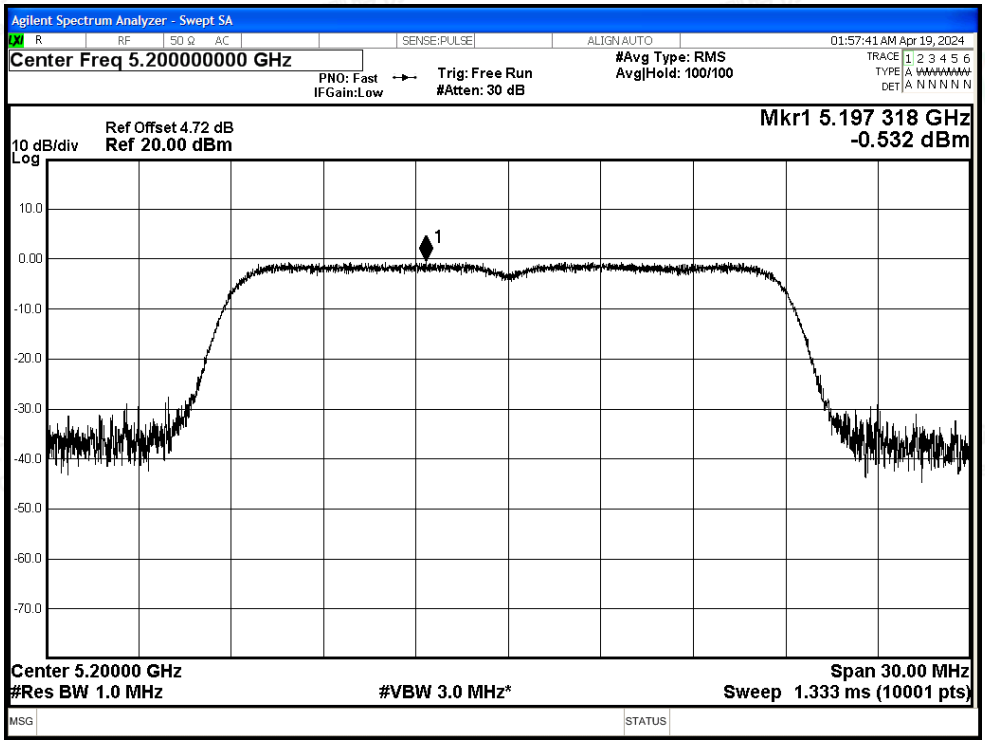
PSD NVNT n40 5230MHz Ant2



PSD NVNT ac20 5180MHz Ant2



PSD NVNT ac20 5200MHz Ant2



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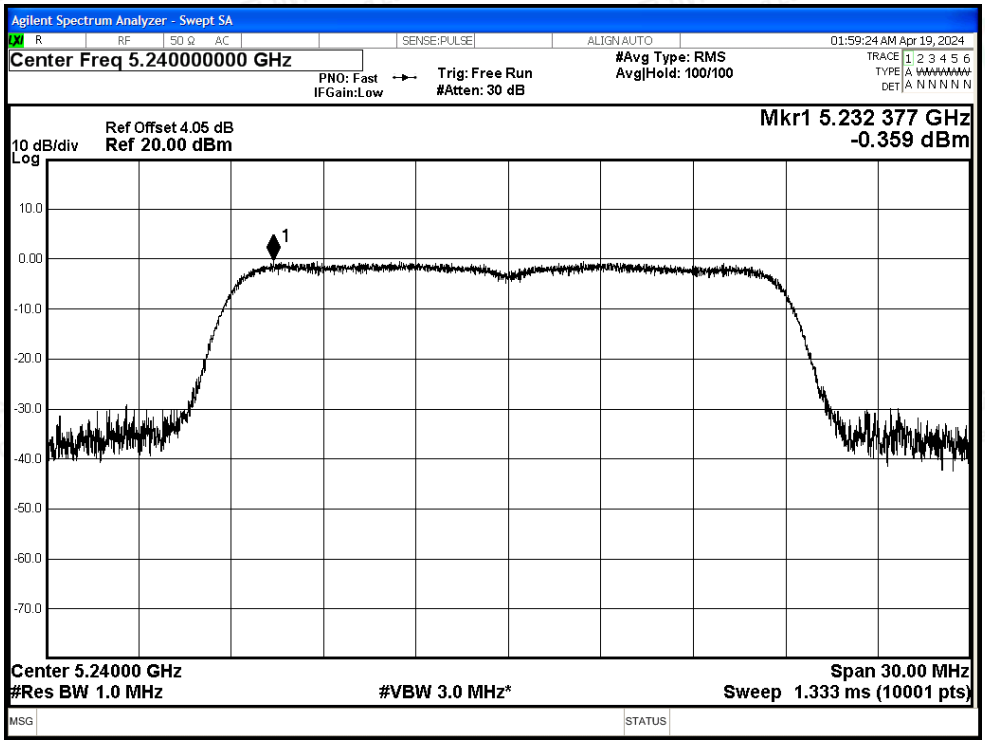
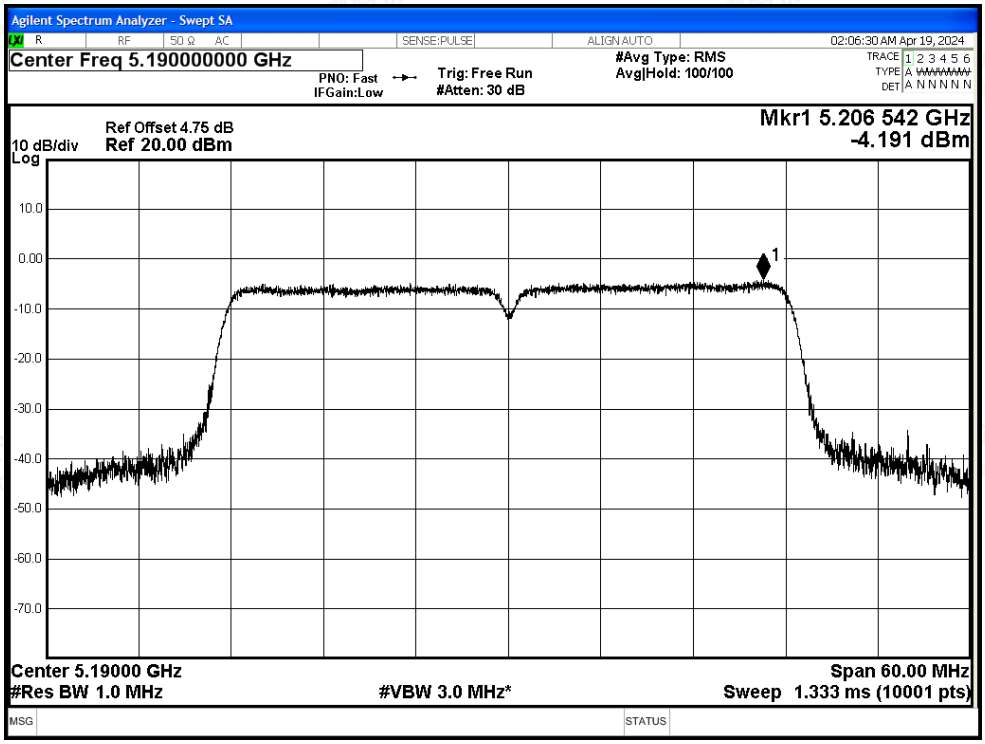
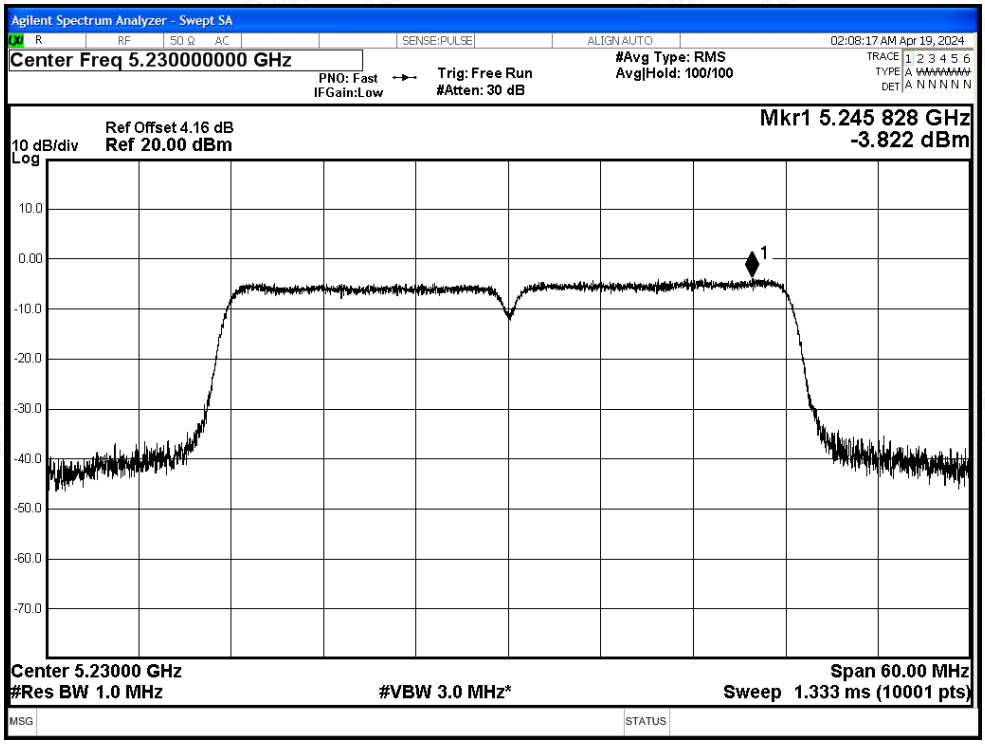


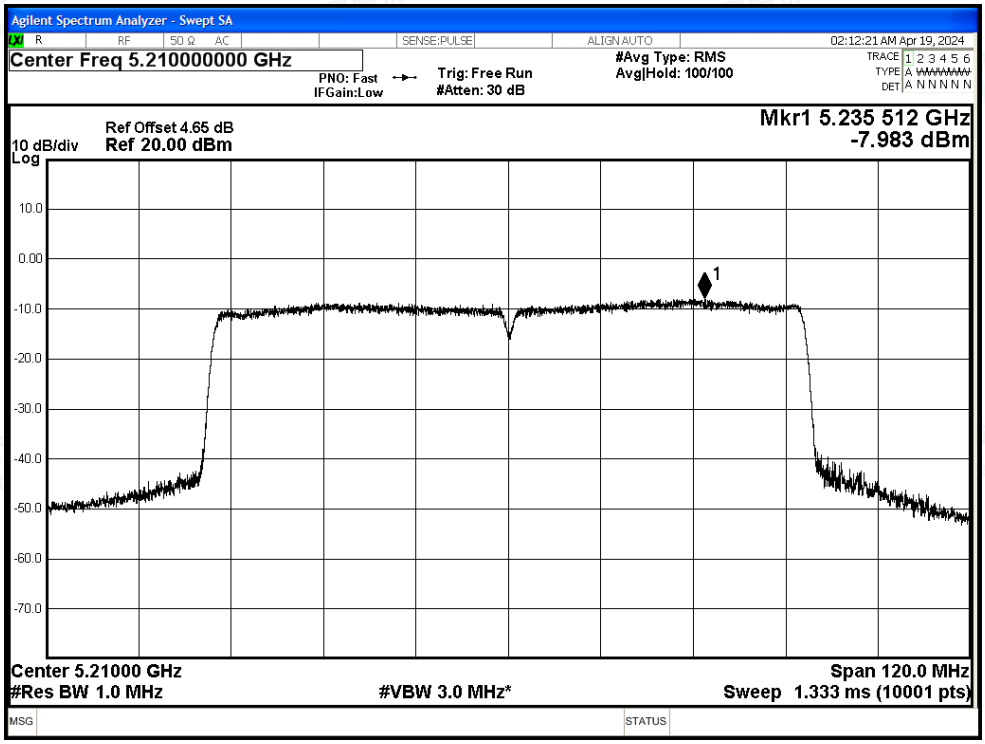
PSD NVNT ac40 5190MHz Ant2



PSD NVNT ac40 5230MHz Ant2



PSD NVNT ac80 5210MHz Ant2



D.5 Restrict Band

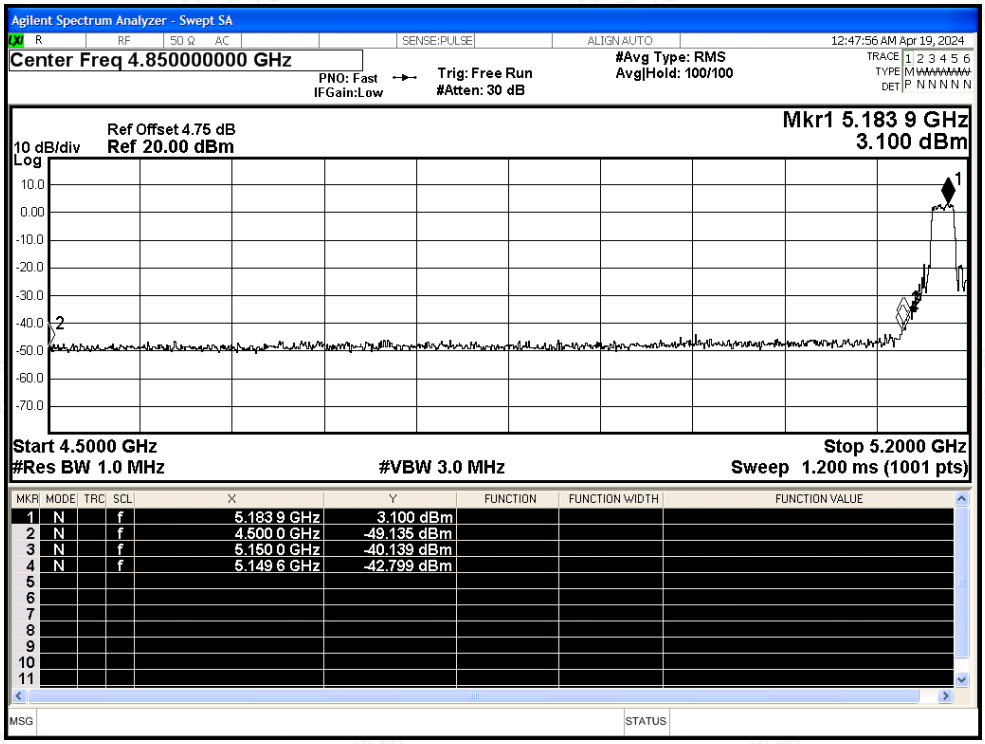
Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a Ant1	5180	4500	-49.14	2.59	-	48.68	Peak	68.2	Pass
NVNT	a Ant1	5180	4500	-57.55	2.59	0.24	40.51	Average	54	Pass
NVNT	a Ant1	5180	5149.6	-42.8	2.59	-	55.02	Peak	68.2	Pass
NVNT	a Ant1	5180	5149.6	-53.99	2.59	0.24	44.07	Average	54	Pass
NVNT	a Ant1	5180	5150	-40.14	2.59	-	57.68	Peak	68.2	Pass
NVNT	a Ant1	5180	5150	-52.88	2.59	0.24	45.18	Average	54	Pass
NVNT	a Ant1	5240	5350	-48.21	2.59	-	49.61	Peak	68.2	Pass
NVNT	a Ant1	5240	5350	-55.28	2.59	0.24	42.78	Average	54	Pass
NVNT	a Ant1	5240	5365.2	-46.06	2.59	-	51.76	Peak	68.2	Pass
NVNT	a Ant1	5240	5350.56	-55.24	2.59	0.24	42.82	Average	54	Pass
NVNT	a Ant1	5240	5460	-47.87	2.59	-	49.95	Peak	68.2	Pass
NVNT	a Ant1	5240	5460	-57.39	2.59	0.24	40.67	Average	54	Pass
NVNT	n20 MIMO	5180	4500	-47.99	5.60	-	52.84	Peak	68.2	Pass
NVNT	n20 MIMO	5180	4500	-57.27	5.60	0.28	43.84	Average	54	Pass
NVNT	n20 MIMO	5180	5148.2	-41.93	5.60	-	58.9	Peak	68.2	Pass
NVNT	n20 MIMO	5180	5148.9	-53.42	5.60	0.28	47.69	Average	54	Pass
NVNT	n20 MIMO	5180	5150	-40.45	5.60	-	60.38	Peak	68.2	Pass
NVNT	n20 MIMO	5180	5150	-52.91	5.60	0.28	48.2	Average	54	Pass
NVNT	n20 MIMO	5240	5350	-48.57	5.60	-	52.26	Peak	68.2	Pass
NVNT	n20 MIMO	5240	5350	-56.78	5.60	0.28	44.33	Average	54	Pass
NVNT	n20 MIMO	5240	5398.32	-45.52	5.60	-	55.31	Peak	68.2	Pass
NVNT	n20 MIMO	5240	5352.24	-55.51	5.60	0.28	45.6	Average	54	Pass
NVNT	n20 MIMO	5240	5460	-48.83	5.60	-	52	Peak	68.2	Pass
NVNT	n20 MIMO	5240	5460	-57.49	5.60	0.28	43.62	Average	54	Pass
NVNT	n40 MIMO	5190	4500	-49.21	5.60	-	51.62	Peak	68.2	Pass
NVNT	n40 MIMO	5190	4500	-57.1	5.60	0.24	43.97	Average	54	Pass
NVNT	n40 MIMO	5190	5147.51	-42.73	5.60	-	58.1	Peak	68.2	Pass
NVNT	n40 MIMO	5190	5149.7	-52.69	5.60	0.24	48.38	Average	54	Pass
NVNT	n40 MIMO	5190	5150	-44.36	5.60	-	56.47	Peak	68.2	Pass
NVNT	n40 MIMO	5190	5150	-52.69	5.60	0.24	48.38	Average	54	Pass
NVNT	n40 MIMO	5230	5350	-45.98	5.60	-	54.85	Peak	68.2	Pass
NVNT	n40 MIMO	5230	5350	-57.13	5.60	0.24	43.94	Average	54	Pass
NVNT	n40 MIMO	5230	5426.52	-45.18	5.60	-	55.65	Peak	68.2	Pass
NVNT	n40 MIMO	5230	5378.46	-55.91	5.60	0.24	45.16	Average	54	Pass
NVNT	n40 MIMO	5230	5460	-48.65	5.60	-	52.18	Peak	68.2	Pass
NVNT	n40 MIMO	5230	5460	-57.27	5.60	0.24	43.8	Average	54	Pass

NVNT	ac20 MIMO	5180	4500	-49.05	5.60	-	51.78	Peak	68.2	Pass
NVNT	ac20 MIMO	5180	4500	-57.98	5.60	0.28	43.13	Average	54	Pass
NVNT	ac20 MIMO	5180	5147.5	-43.87	5.60	-	56.96	Peak	68.2	Pass
NVNT	ac20 MIMO	5180	5149.6	-54.28	5.60	0.28	46.83	Average	54	Pass
NVNT	ac20 MIMO	5180	5150	-43.57	5.60	-	57.26	Peak	68.2	Pass
NVNT	ac20 MIMO	5180	5150	-53.59	5.60	0.28	47.52	Average	54	Pass
NVNT	ac20 MIMO	5240	5350	-47.59	5.60	-	53.24	Peak	68.2	Pass
NVNT	ac20 MIMO	5240	5350	-56.23	5.60	0.28	44.88	Average	54	Pass
NVNT	ac20 MIMO	5240	5378.64	-44.94	5.60	-	55.89	Peak	68.2	Pass
NVNT	ac20 MIMO	5240	5350.56	-55.94	5.60	0.28	45.17	Average	54	Pass
NVNT	ac20 MIMO	5240	5460	-48.25	5.60	-	52.58	Peak	68.2	Pass
NVNT	ac20 MIMO	5240	5460	-57.08	5.60	0.28	44.03	Average	54	Pass
NVNT	ac40 MIMO	5190	4500	-48.68	5.60	-	52.15	Peak	68.2	Pass
NVNT	ac40 MIMO	5190	4500	-57.18	5.60	0.24	43.89	Average	54	Pass
NVNT	ac40 MIMO	5190	5148.97	-35.52	5.60	-	65.31	Peak	68.2	Pass
NVNT	ac40 MIMO	5190	5148.97	-52.28	5.60	0.24	48.79	Average	54	Pass
NVNT	ac40 MIMO	5190	5150	-42.1	5.60	-	58.73	Peak	68.2	Pass
NVNT	ac40 MIMO	5190	5150	-52.49	5.60	0.24	48.58	Average	54	Pass
NVNT	ac40 MIMO	5230	5350	-47.83	5.60	-	53	Peak	68.2	Pass
NVNT	ac40 MIMO	5230	5350	-56.61	5.60	0.24	44.46	Average	54	Pass
NVNT	ac40 MIMO	5230	5368.2	-46.38	5.60	-	54.45	Peak	68.2	Pass
NVNT	ac40 MIMO	5230	5359.56	-56.04	5.60	0.24	45.03	Average	54	Pass
NVNT	ac40 MIMO	5230	5460	-50.37	5.60	-	50.46	Peak	68.2	Pass
NVNT	ac40 MIMO	5230	5460	-56.61	5.60	0.24	44.46	Average	54	Pass
NVNT	ac80 MIMO	5210	5350	-47.06	5.60	-	53.77	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5350	-55.94	5.60	0.25	45.14	Average	54	Pass
NVNT	ac80 MIMO	5210	5389.38	-45.53	5.60	-	55.3	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5367.93	-55.23	5.60	0.25	45.85	Average	54	Pass
NVNT	ac80 MIMO	5210	5460	-48.31	5.60	-	52.52	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5460	-56.52	5.60	0.25	44.56	Average	54	Pass
NVNT	ac80 MIMO	5210	4500	-47.32	5.60	-	53.51	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	4500	-57.42	5.60	0.25	43.66	Average	54	Pass
NVNT	ac80 MIMO	5210	5148.59	-43.09	5.60	-	57.74	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5144.64	-53.01	5.60	0.25	48.07	Average	54	Pass
NVNT	ac80 MIMO	5210	5150	-43.24	5.60	-	57.59	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5150	-53.52	5.60	0.25	47.56	Average	54	Pass

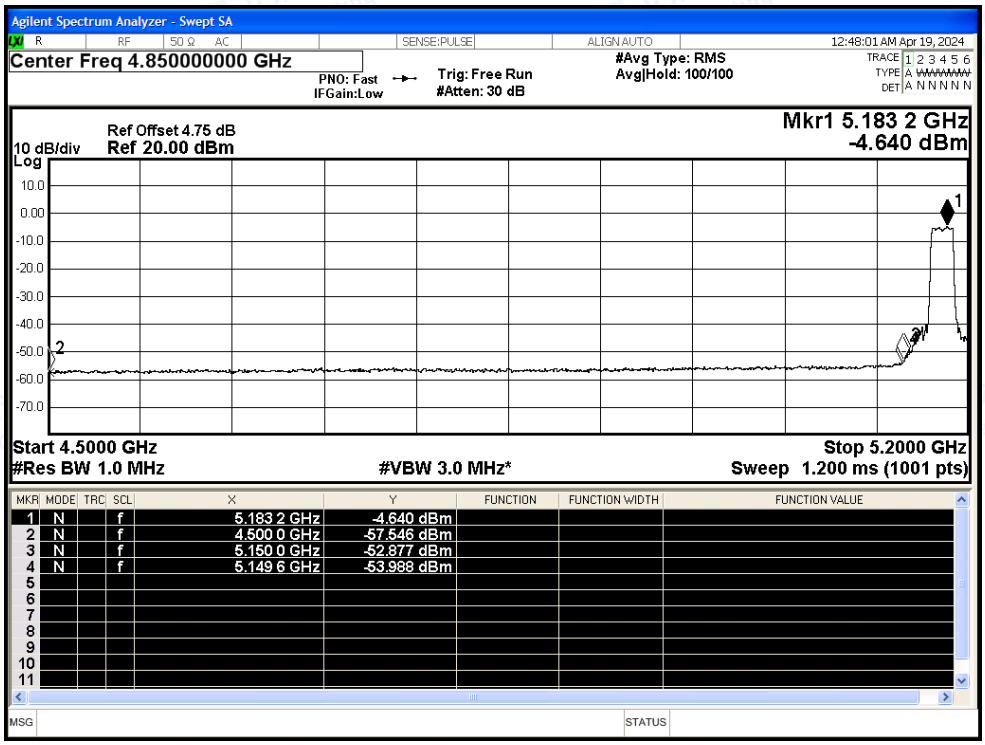
Note: 802.11a mode, only show the worst set of antenna1 data.

Test Graphs

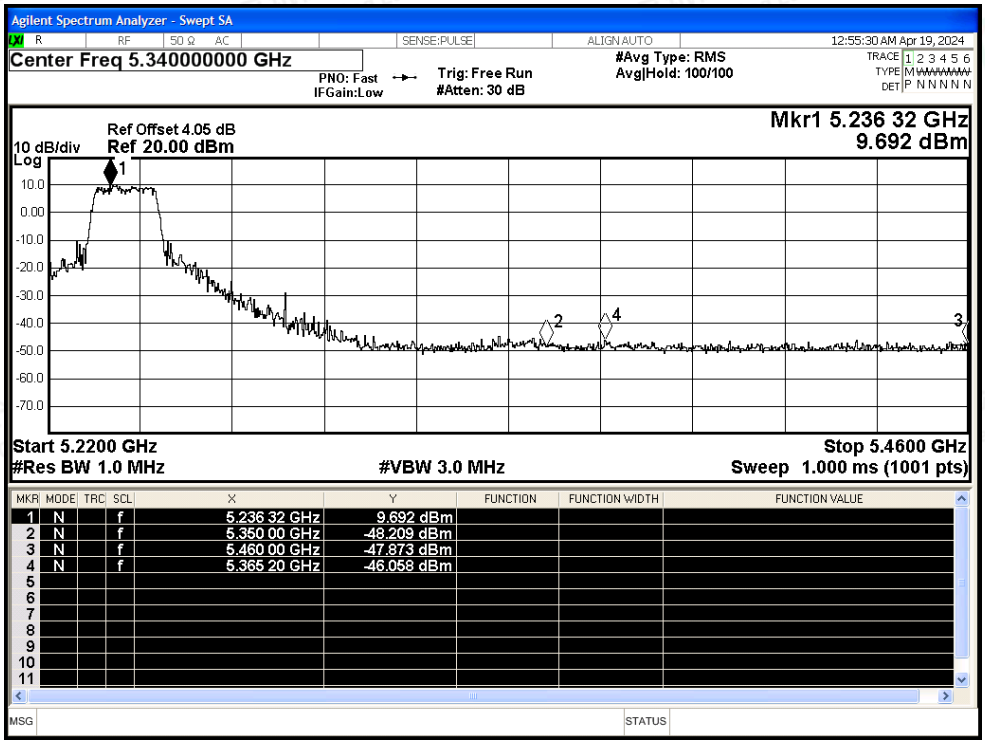
Restrict Band NVNT a 5180MHz Ant1 Peak



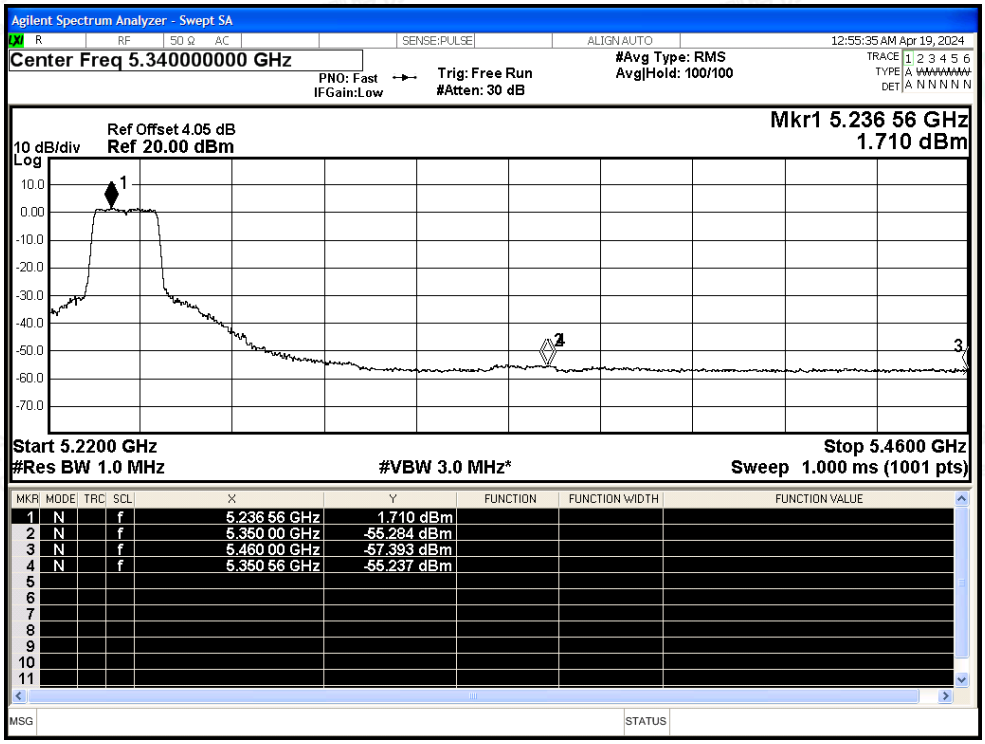
Restrict Band NVNT a 5180MHz Ant1 Average



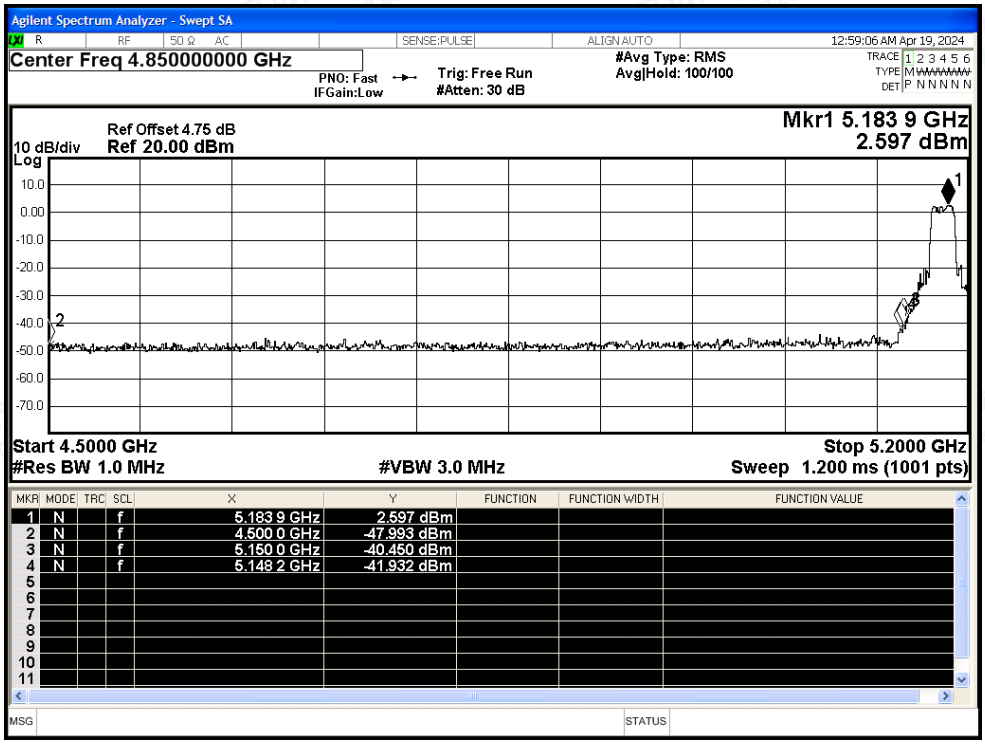
Restrict Band NVNT a 5240MHz Ant1 Peak



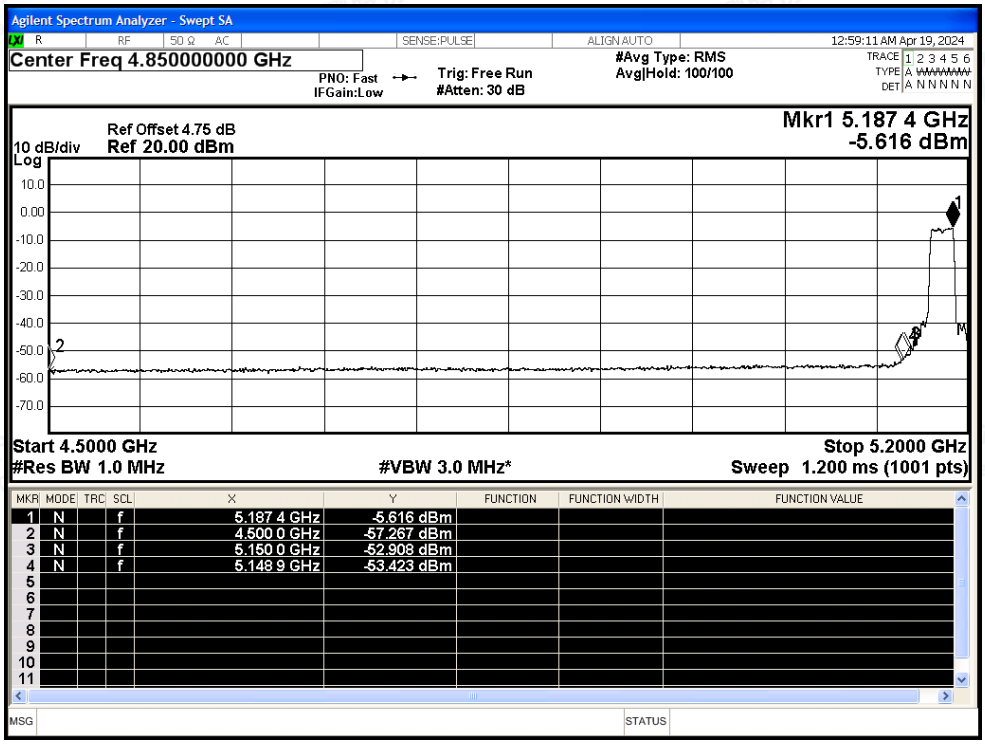
Restrict Band NVNT a 5240MHz Ant1 Average



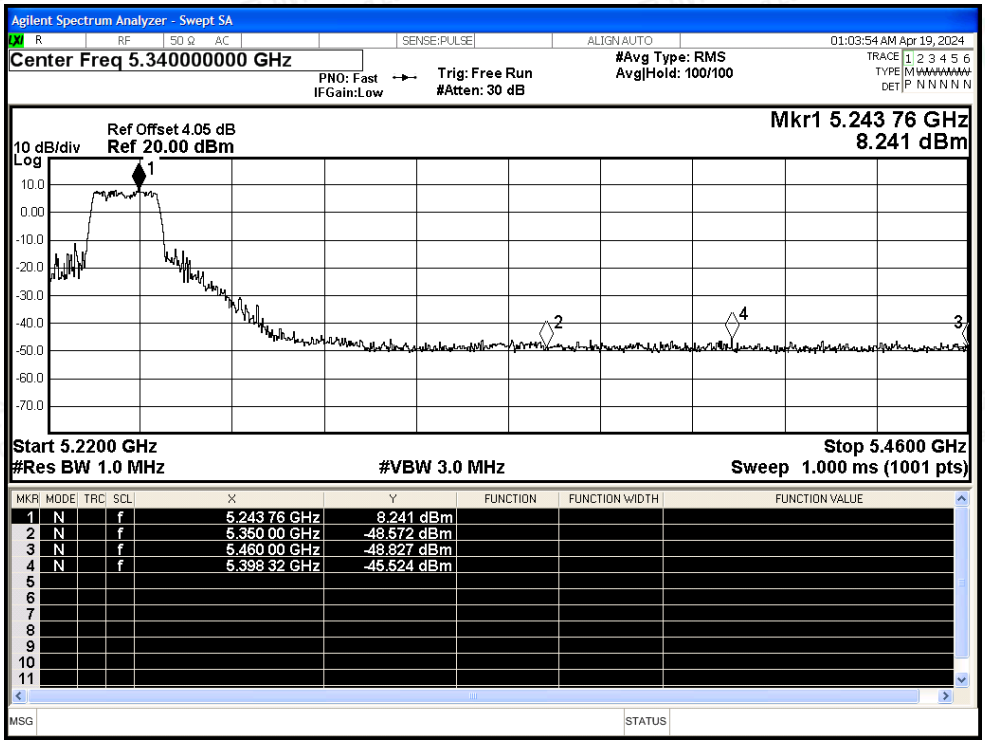
Restrict Band NVNT n20 5180MHz Peak



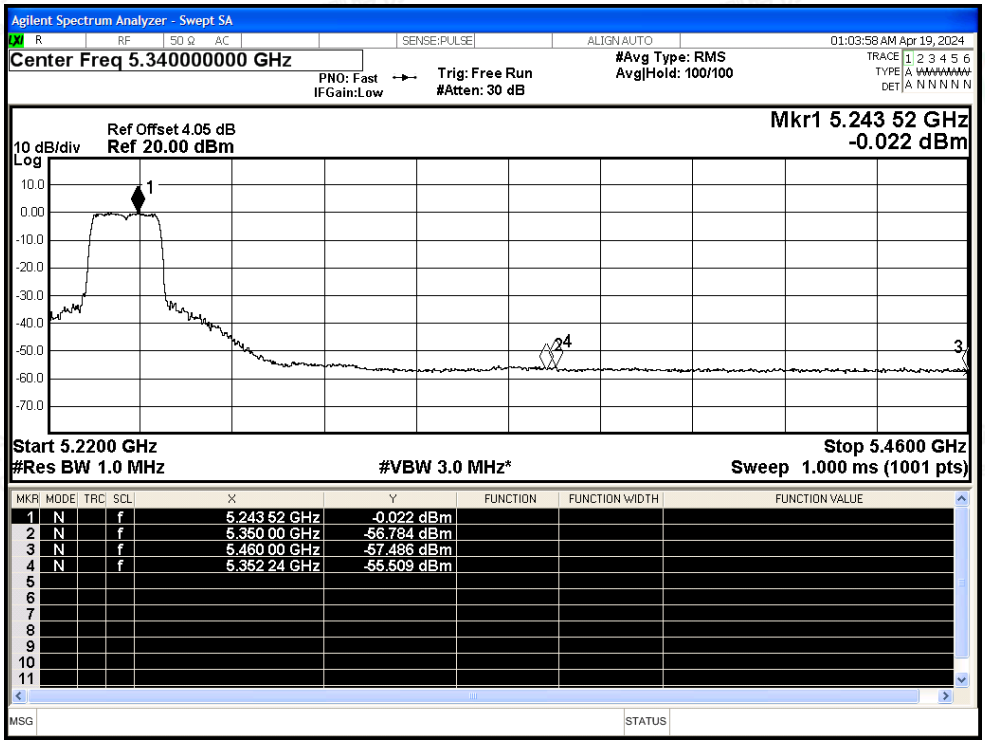
Restrict Band NVNT n20 5180MHz Average



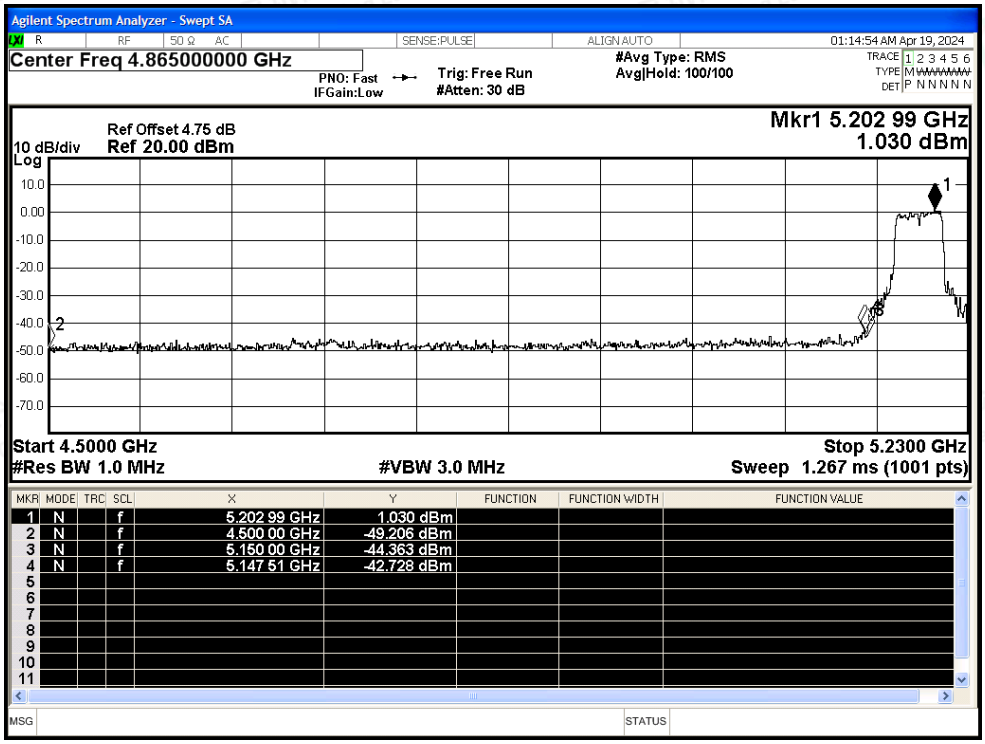
Restrict Band NVNT n20 5240MHz Peak



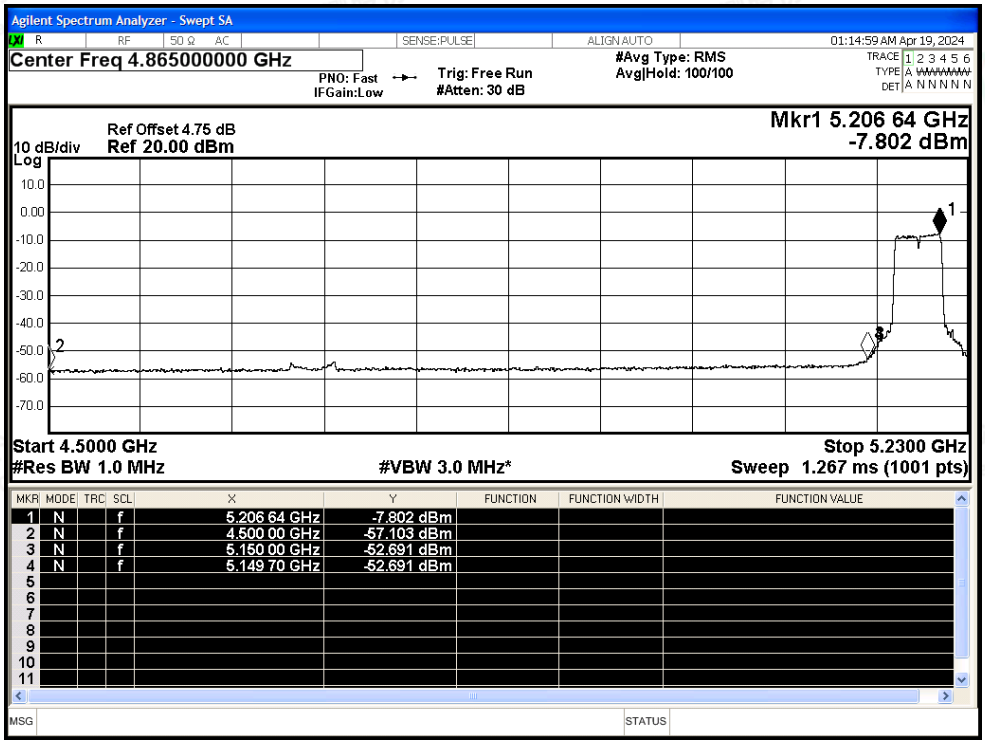
Restrict Band NVNT n20 5240MHz Average



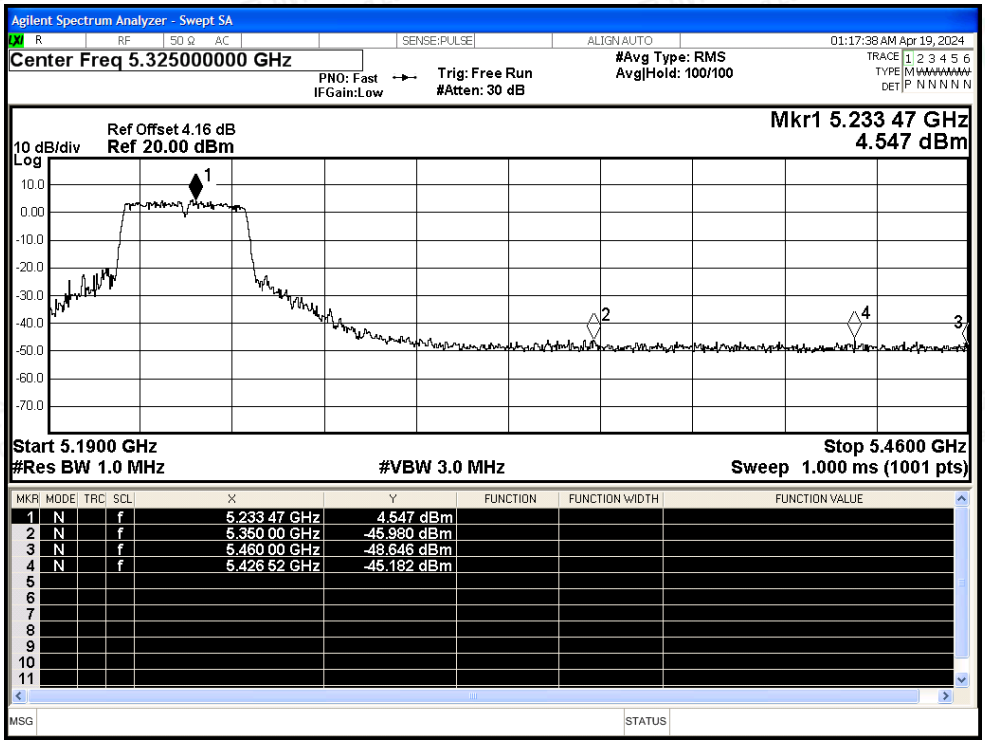
Restrict Band NVNT n40 5190MHz Peak



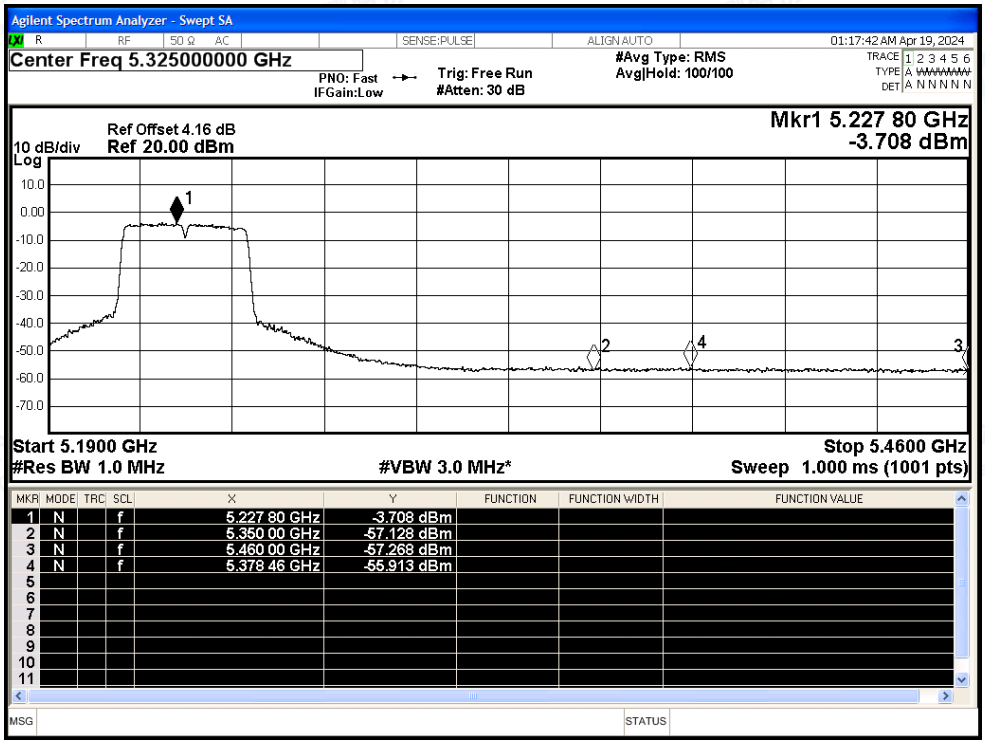
Restrict Band NVNT n40 5190MHz Average



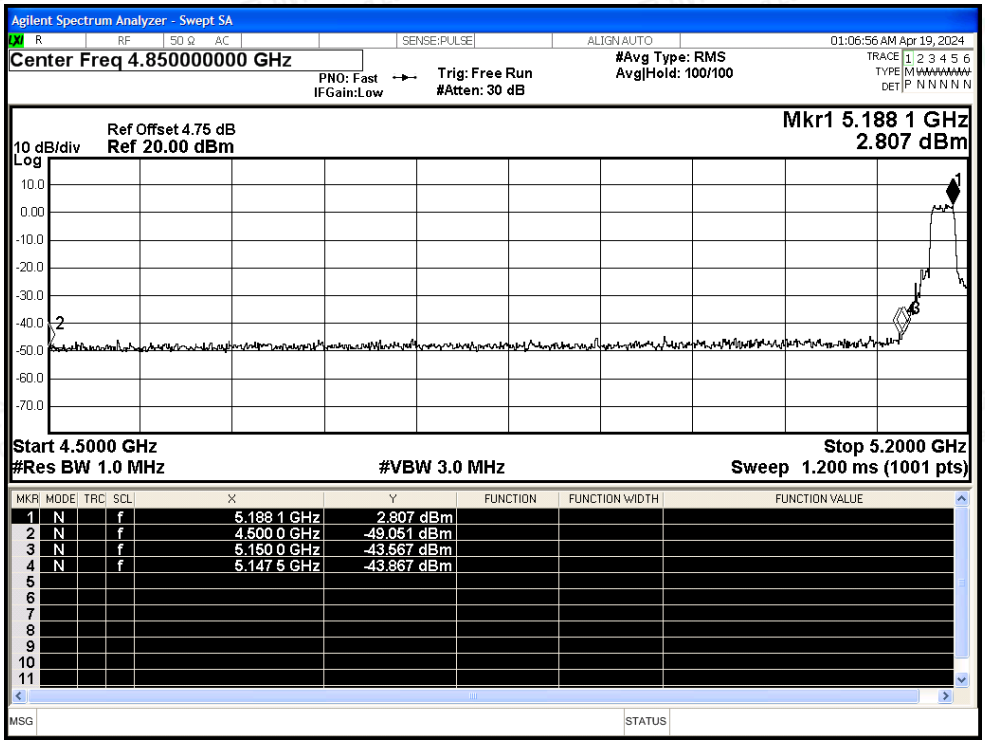
Restrict Band NVNT n40 5230MHz Peak



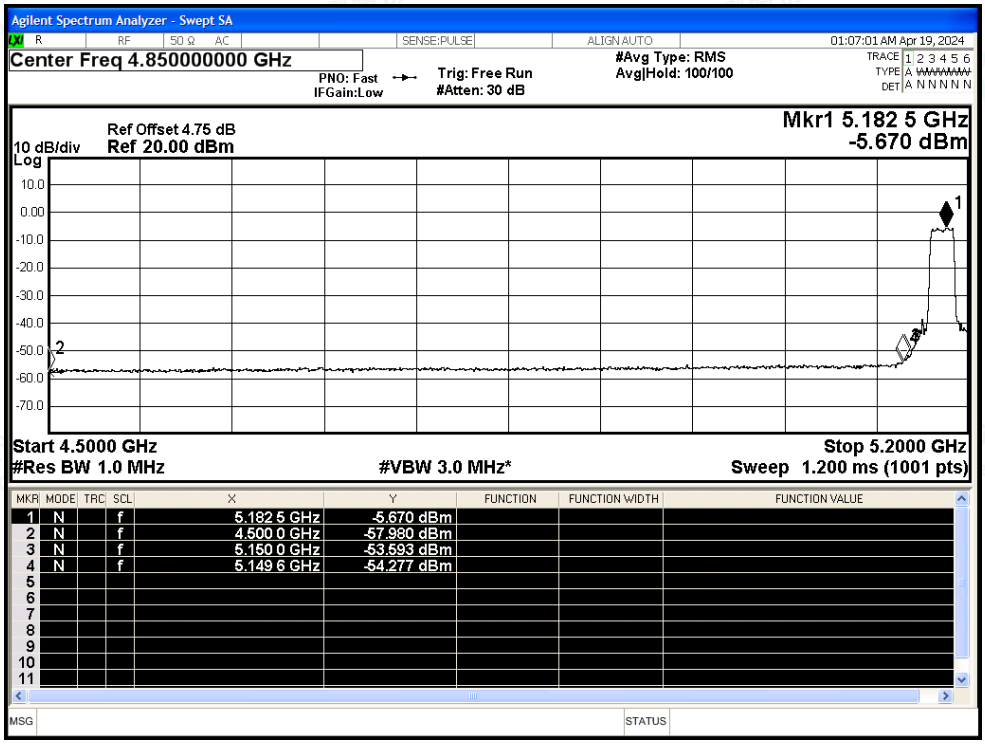
Restrict Band NVNT n40 5230MHz Average



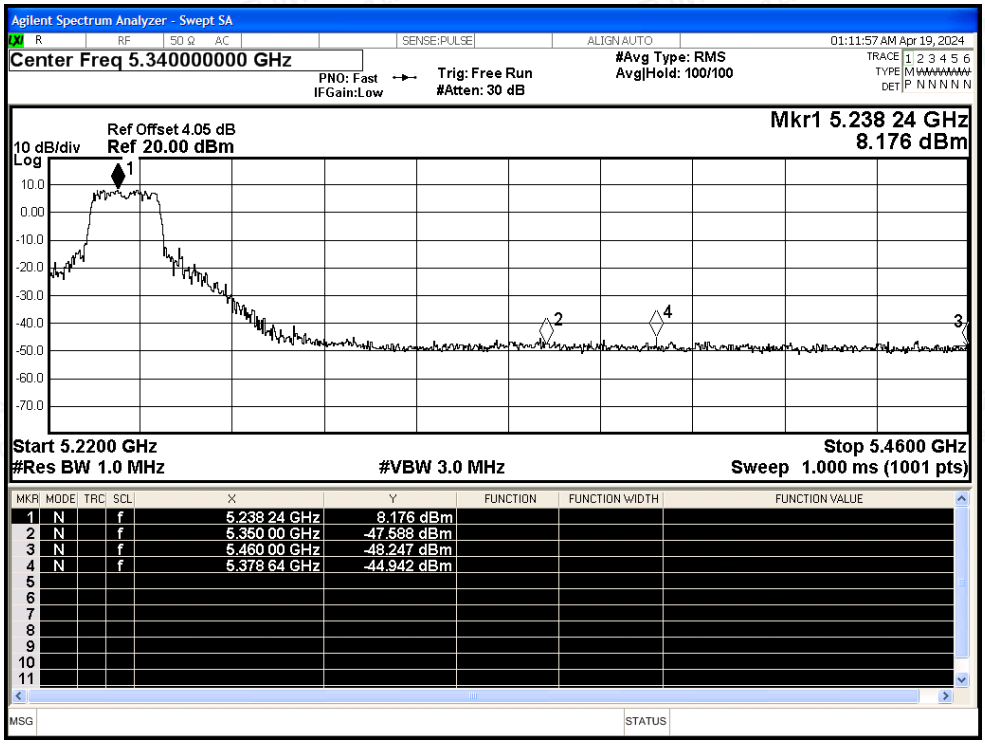
Restrict Band NVNT ac20 5180MHz Peak



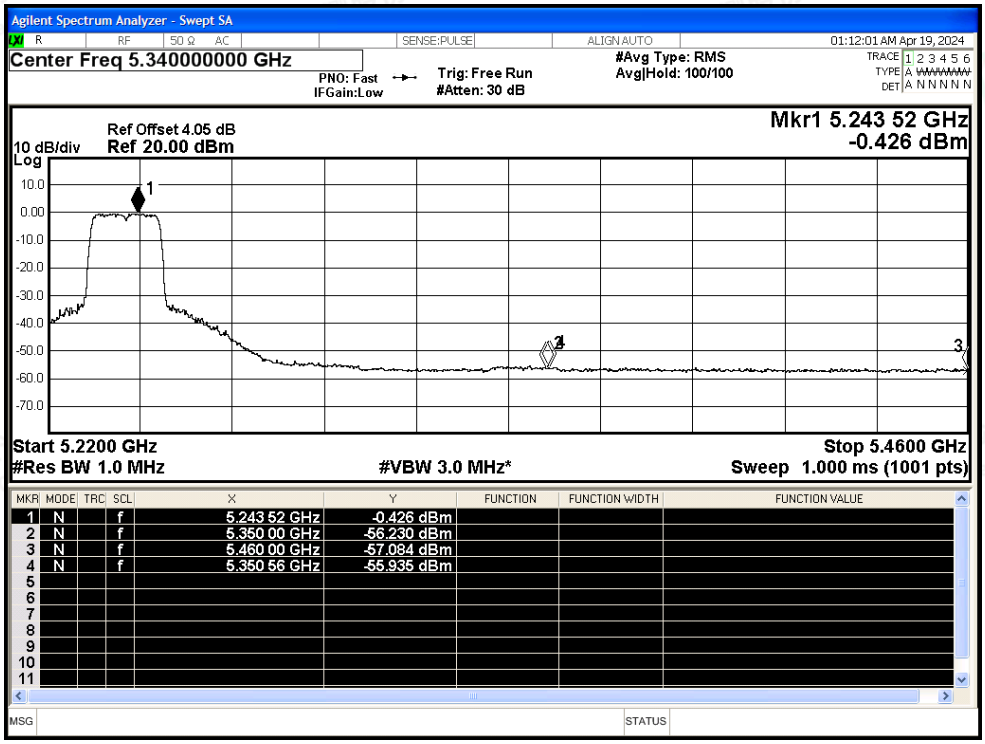
Restrict Band NVNT ac20 5180MHz Average



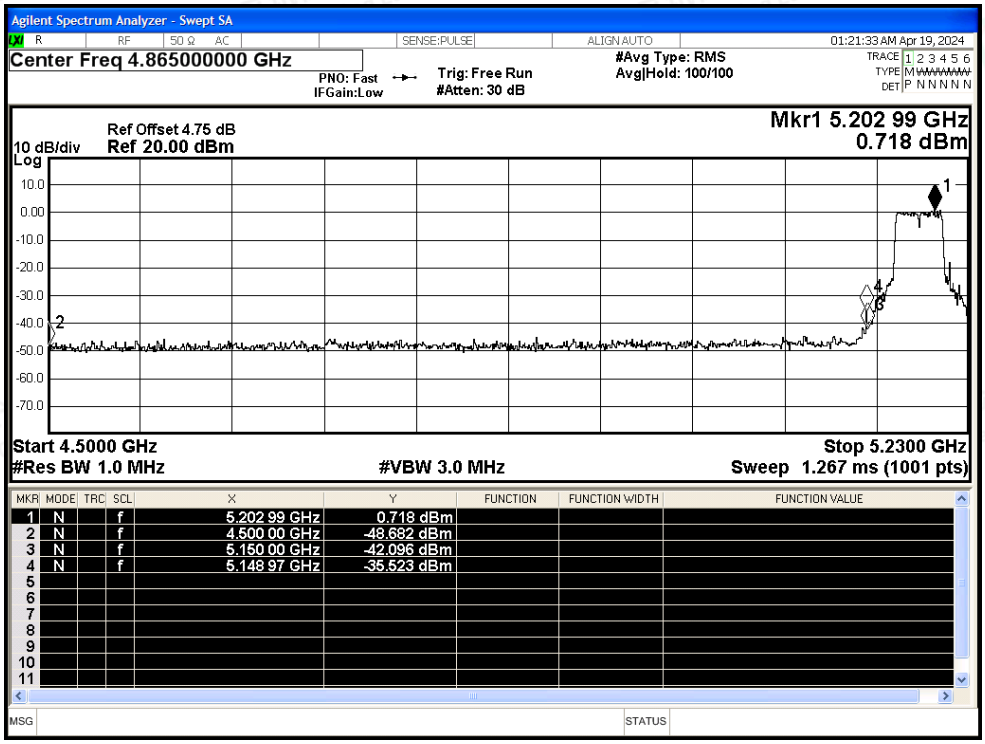
Restrict Band NVNT ac20 5240MHz Peak



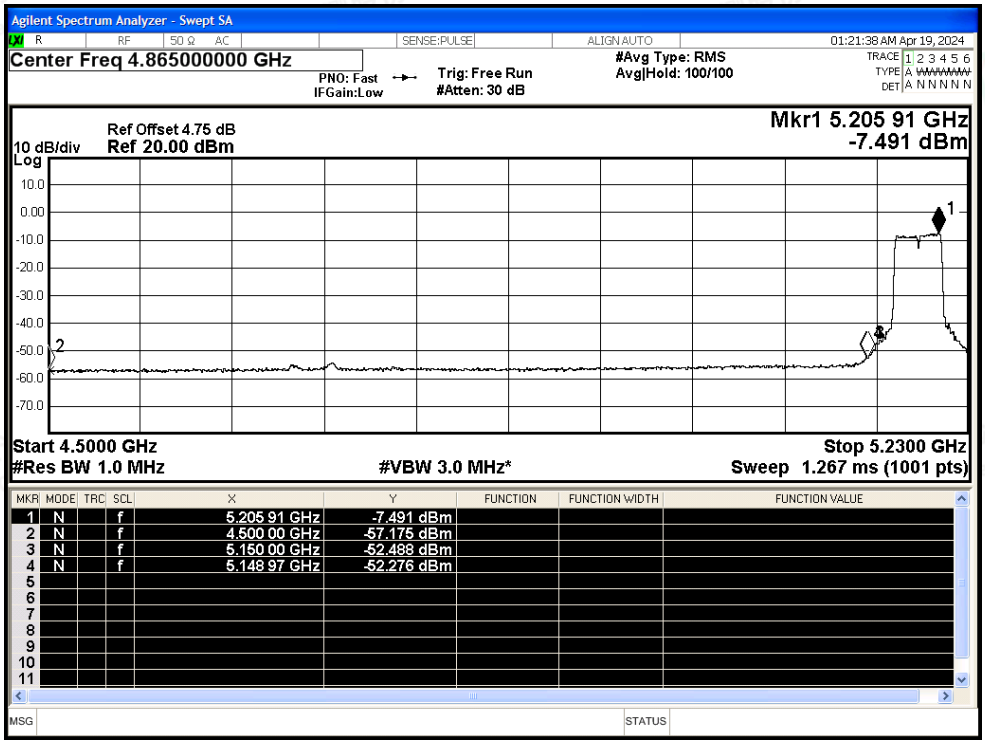
Restrict Band NVNT ac20 5240MHz Average



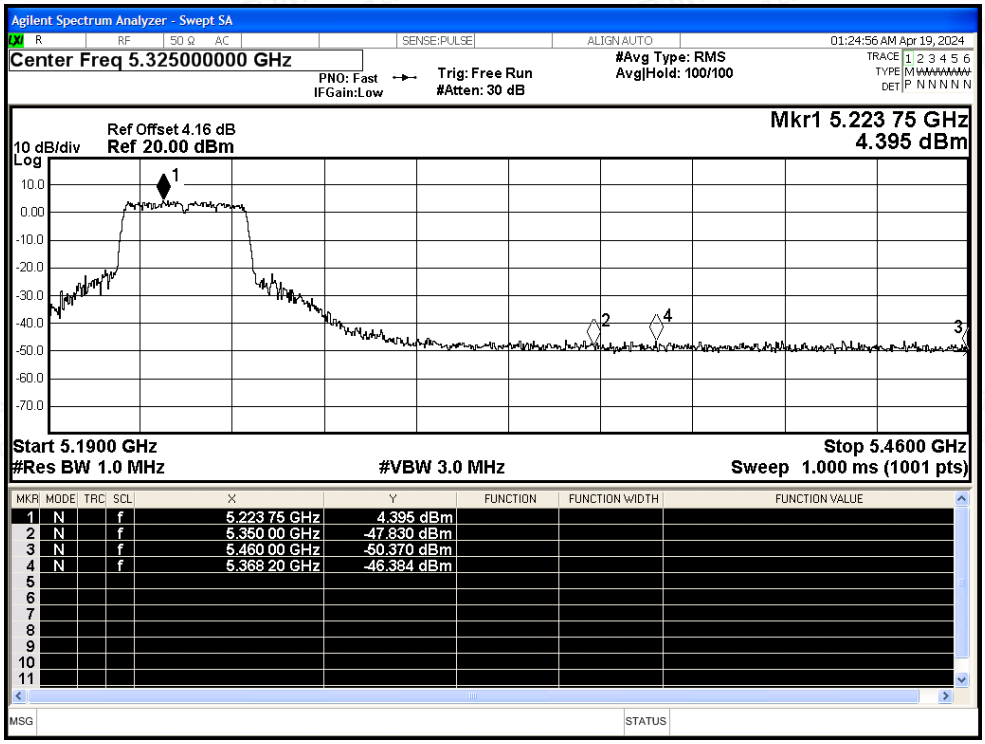
Restrict Band NVNT ac40 5190MHz Peak



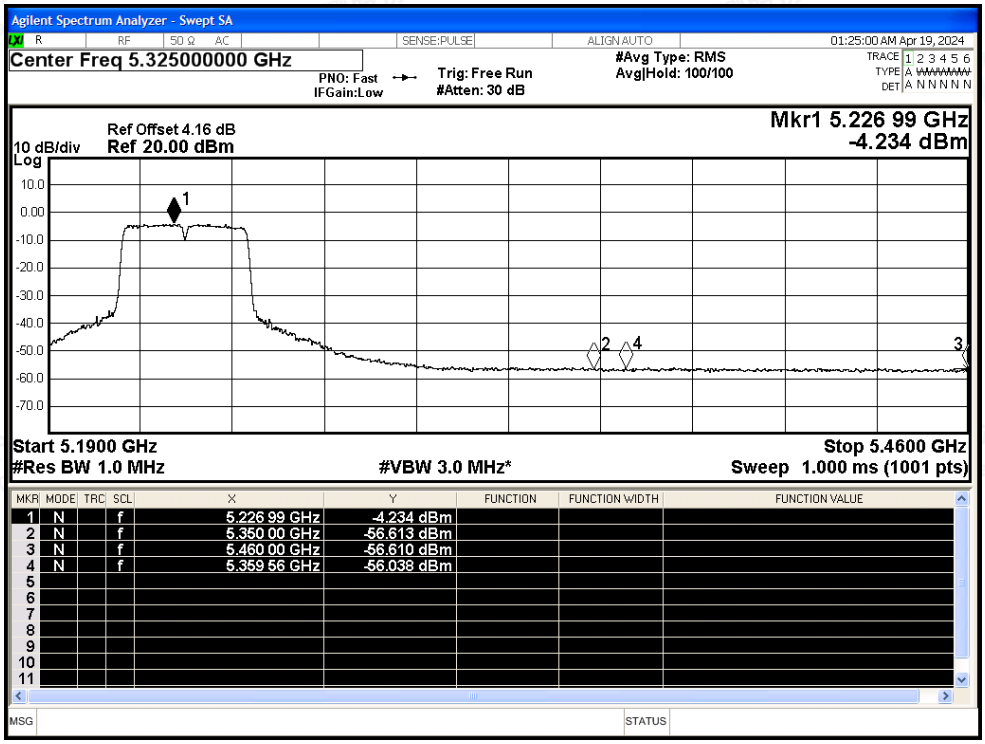
Restrict Band NVNT ac40 5190MHz Average



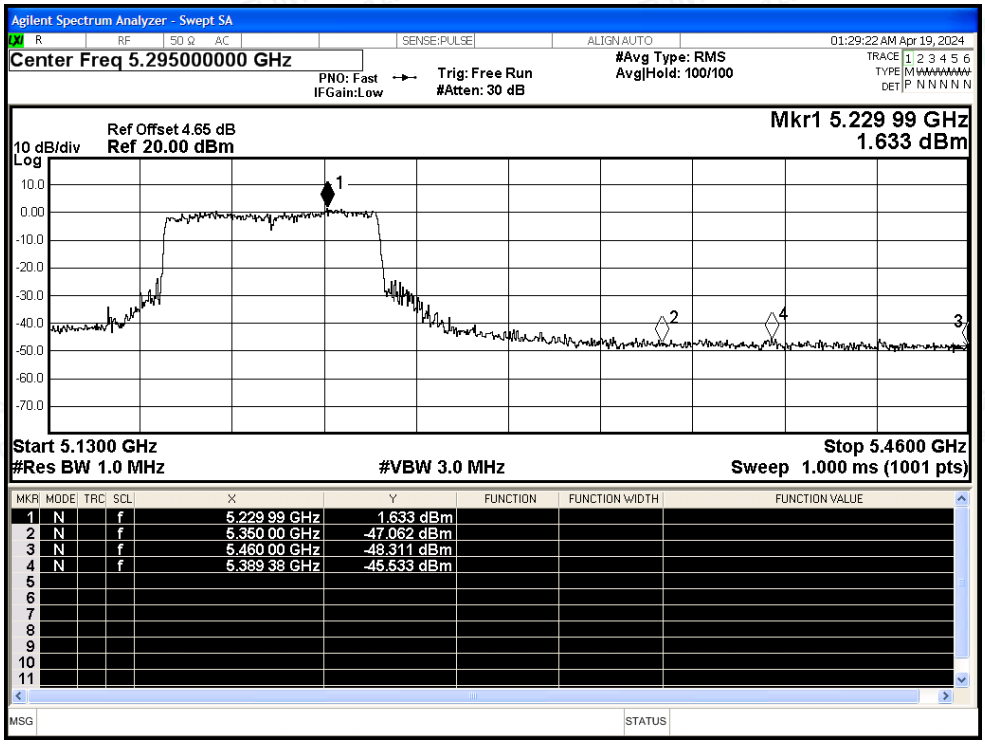
Restrict Band NVNT ac40 5230MHz Peak



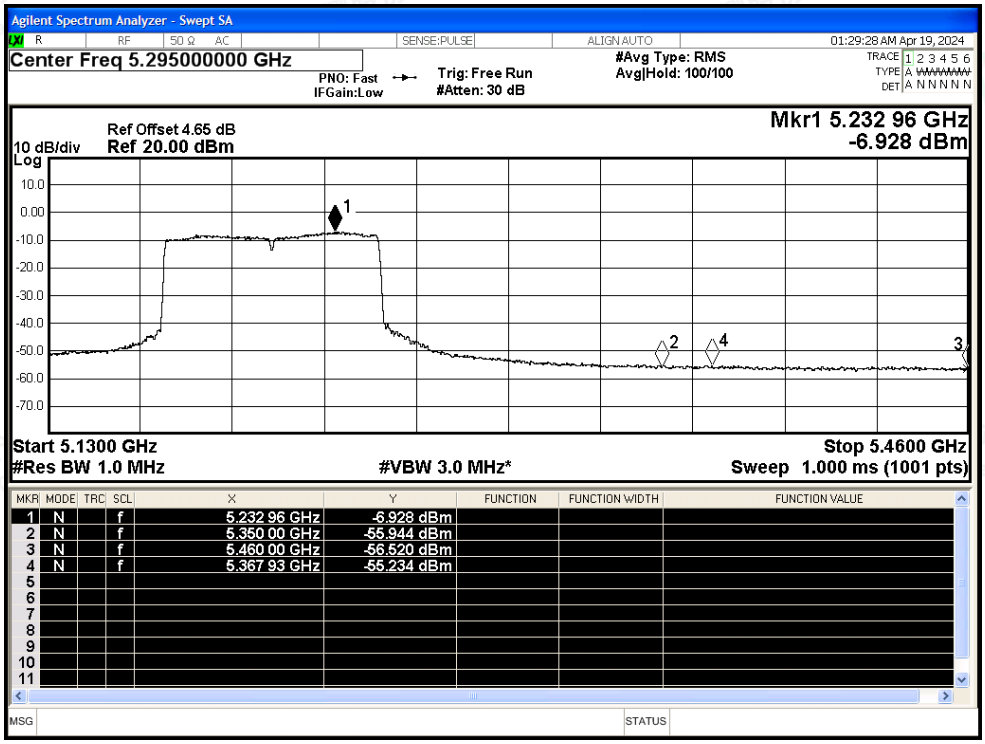
Restrict Band NVNT ac40 5230MHz Average



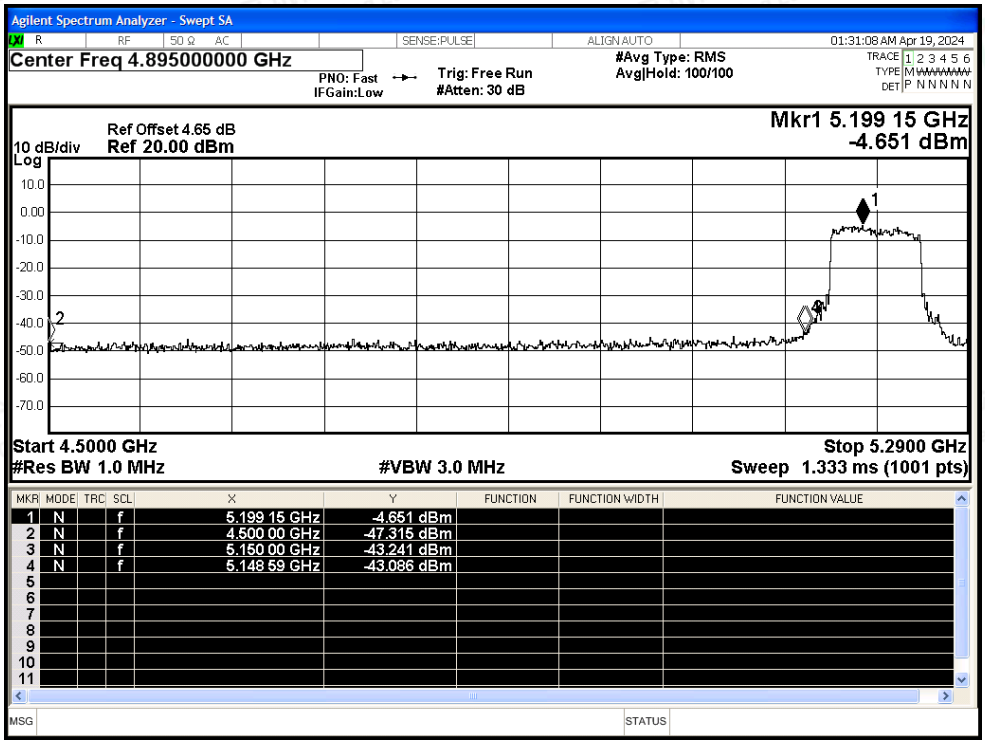
Restrict Band NVNT ac80 5210MHz Peak



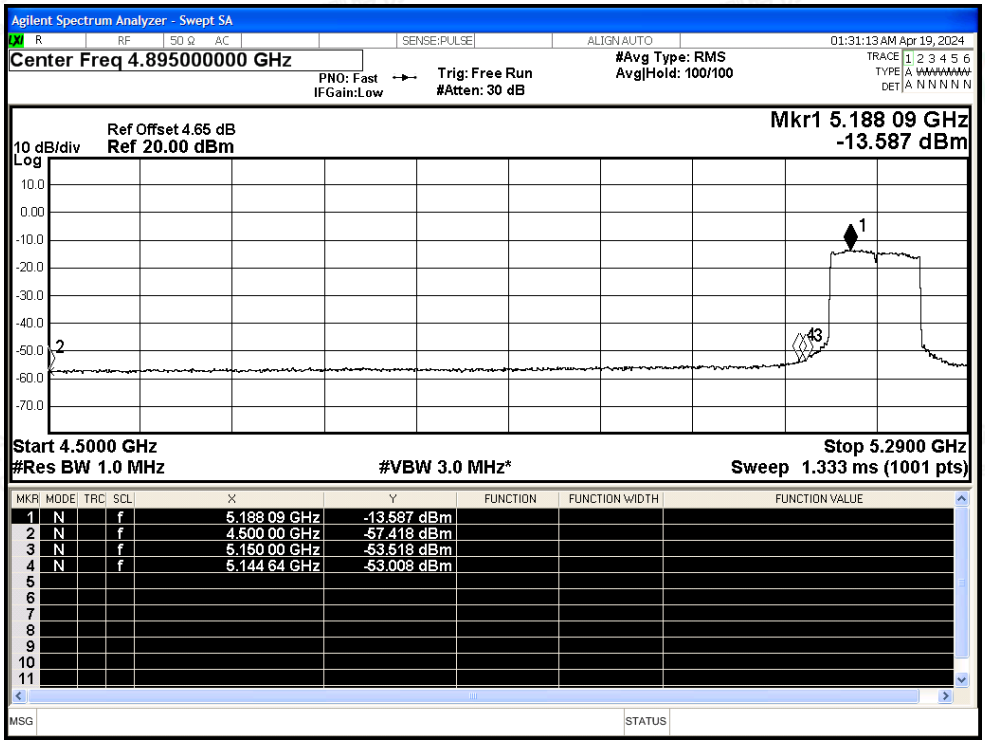
Restrict Band NVNT ac80 5210MHz Average



Restrict Band NVNT ac80 5210MHz Peak



Restrict Band NVNT ac80 5210MHz Average

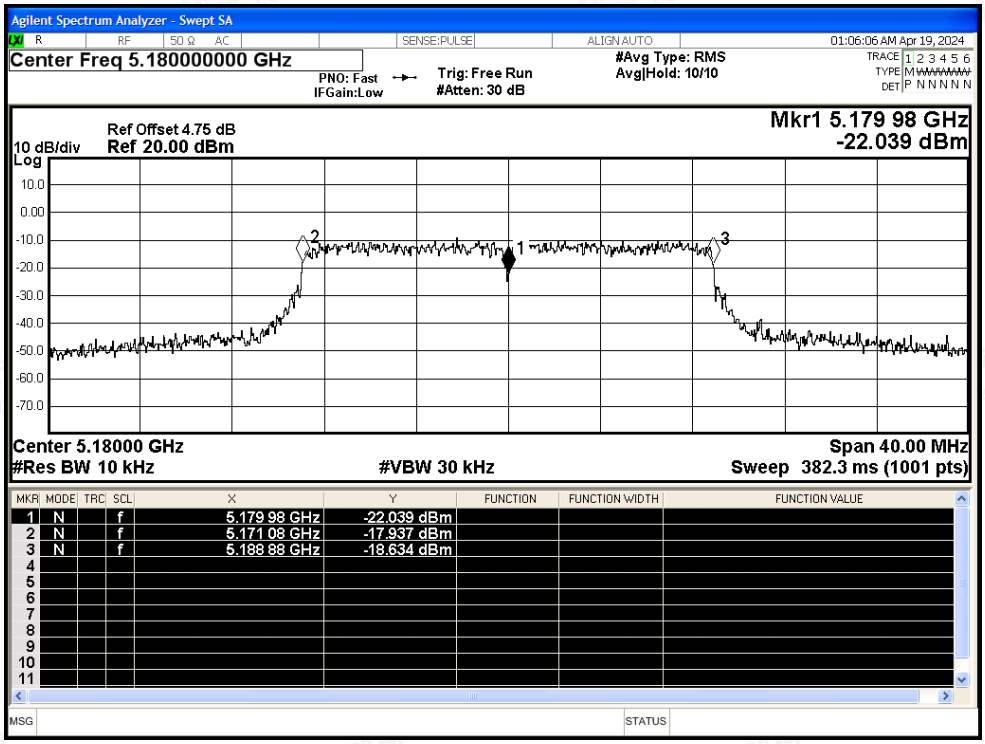


D.6 Frequency Stability

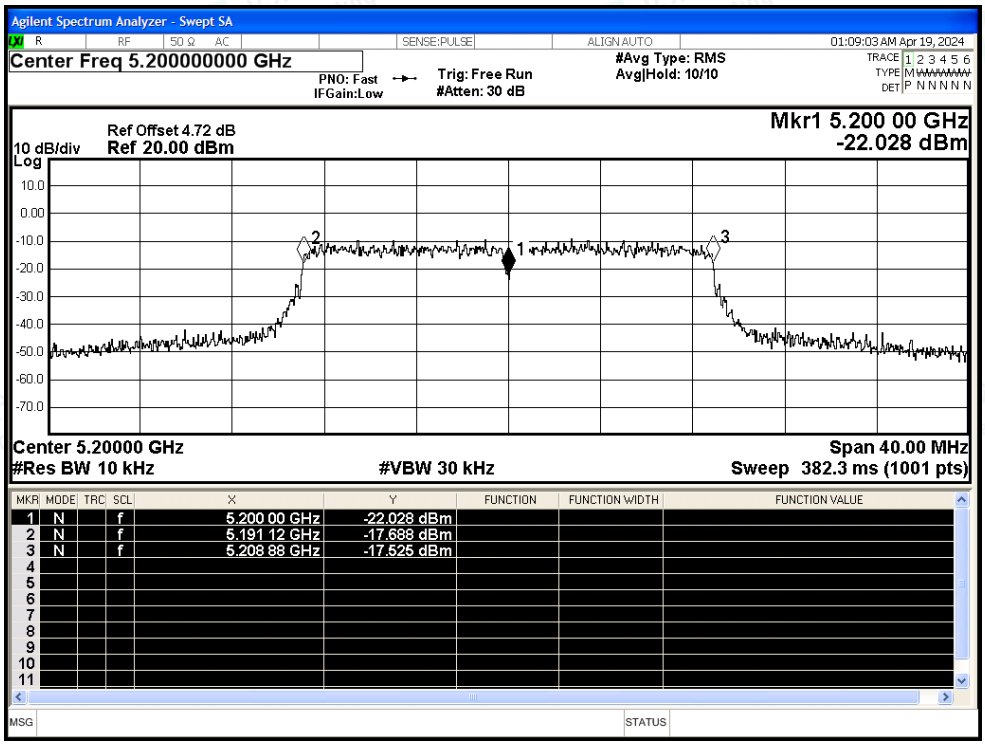
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5180	Ant1	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant1	5200	0	0	25	Pass
NVNT	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant1	5190	0	0	25	Pass
NVNT	ac40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass

Test Graphs

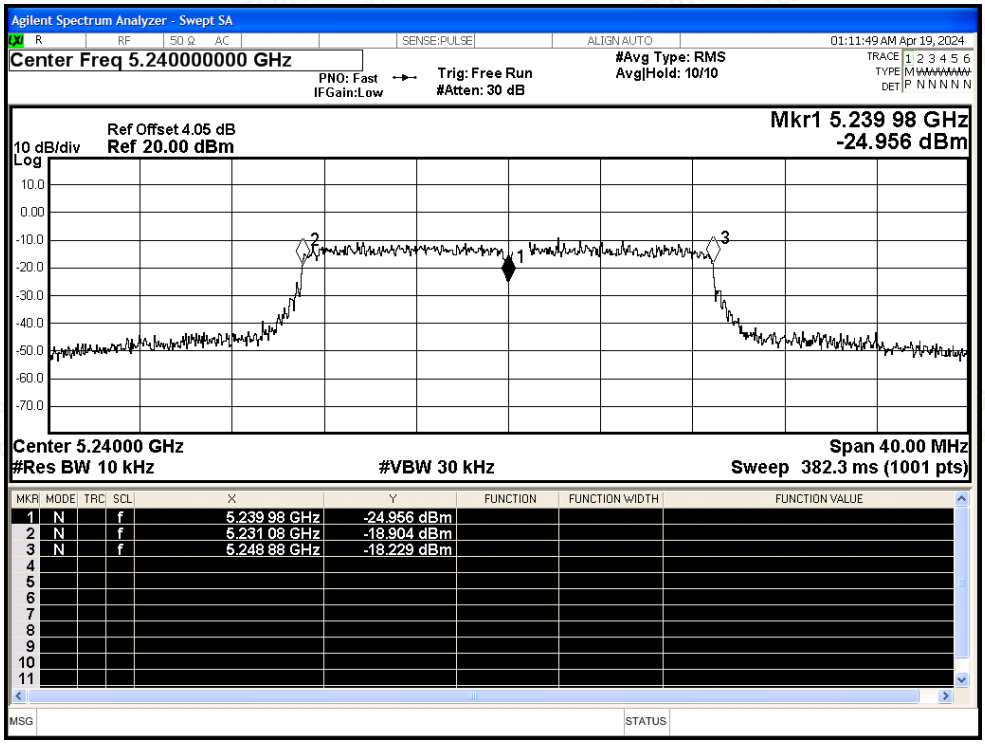
Freq. Stability NVNT ac20 5180MHz Ant1



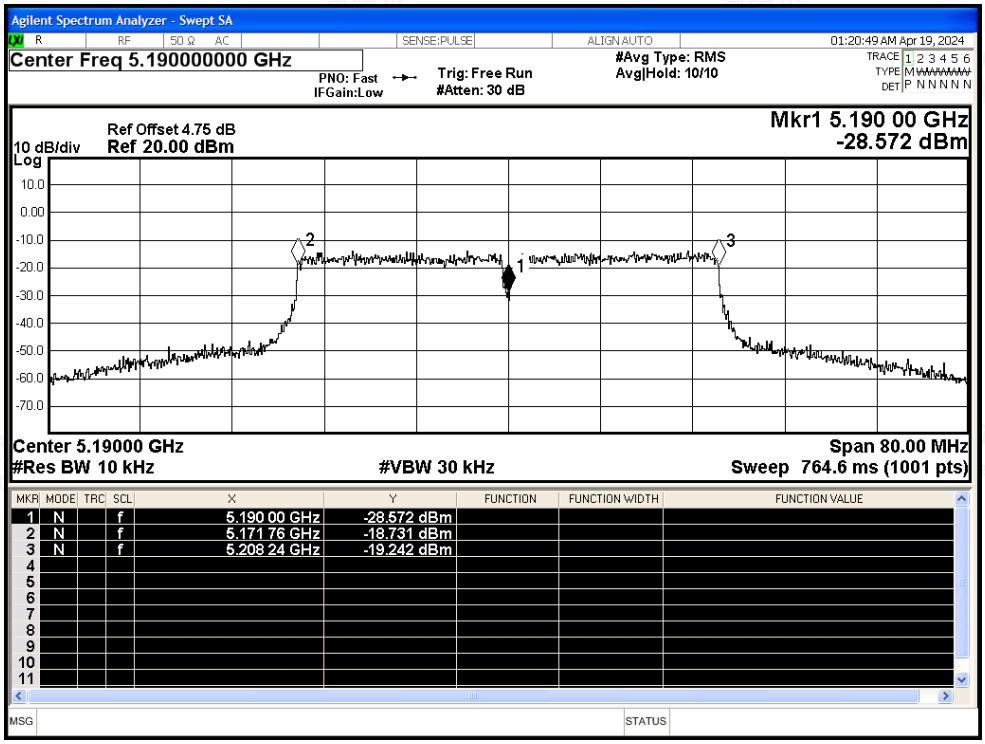
Freq. Stability NVNT ac20 5200MHz Ant1



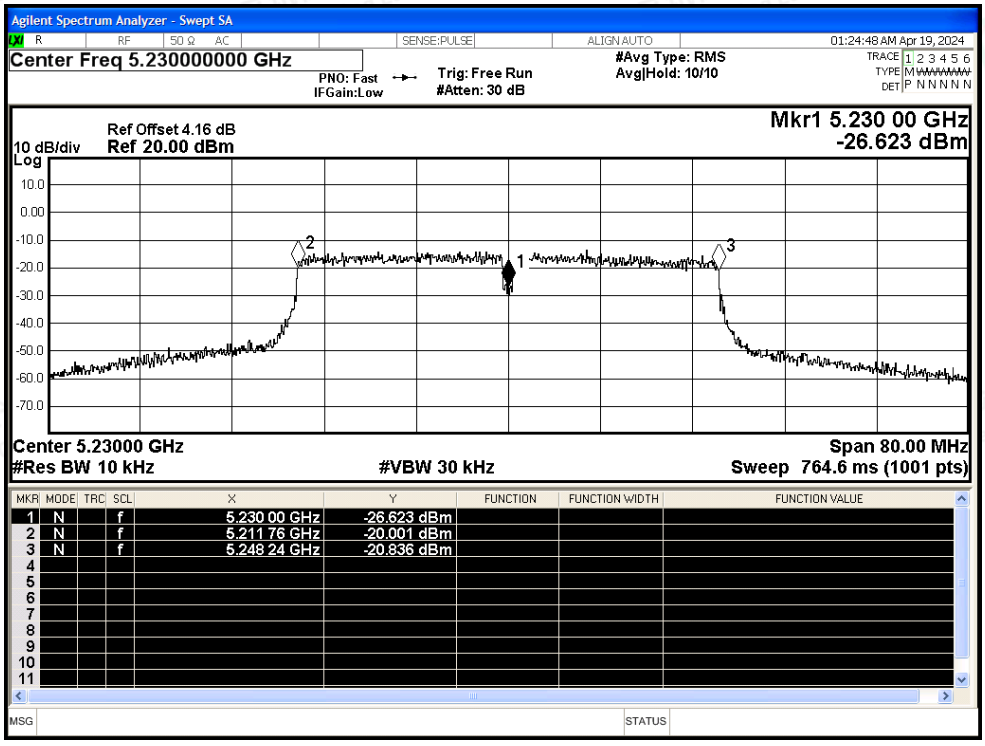
Freq. Stability NVNT ac20 5240MHz Ant1



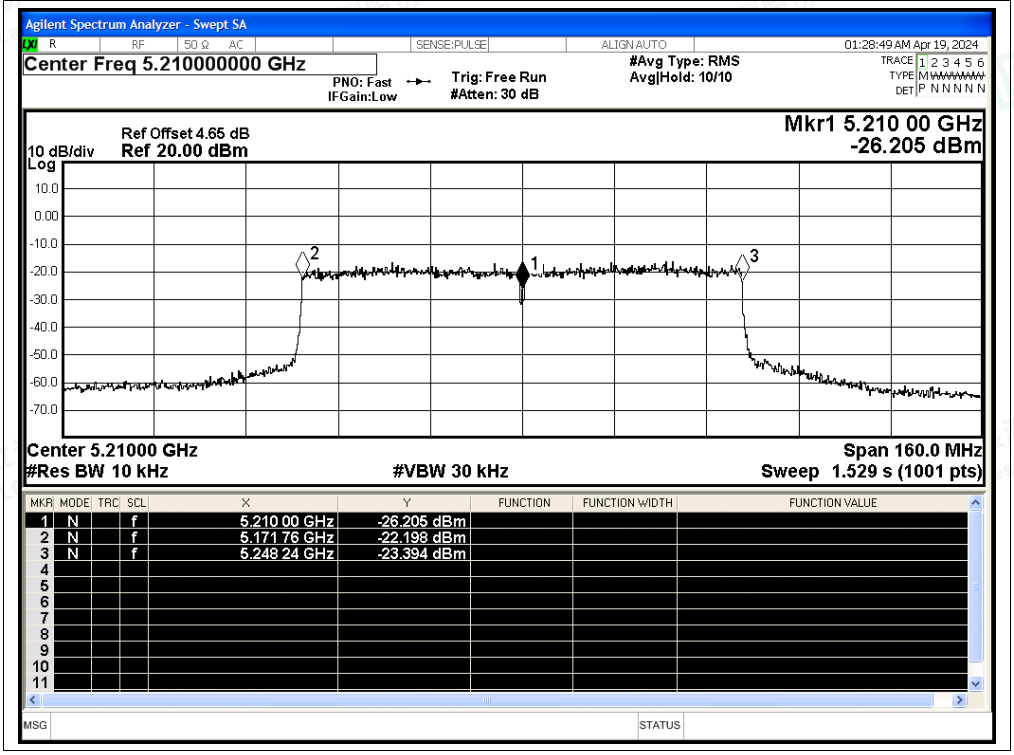
Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1



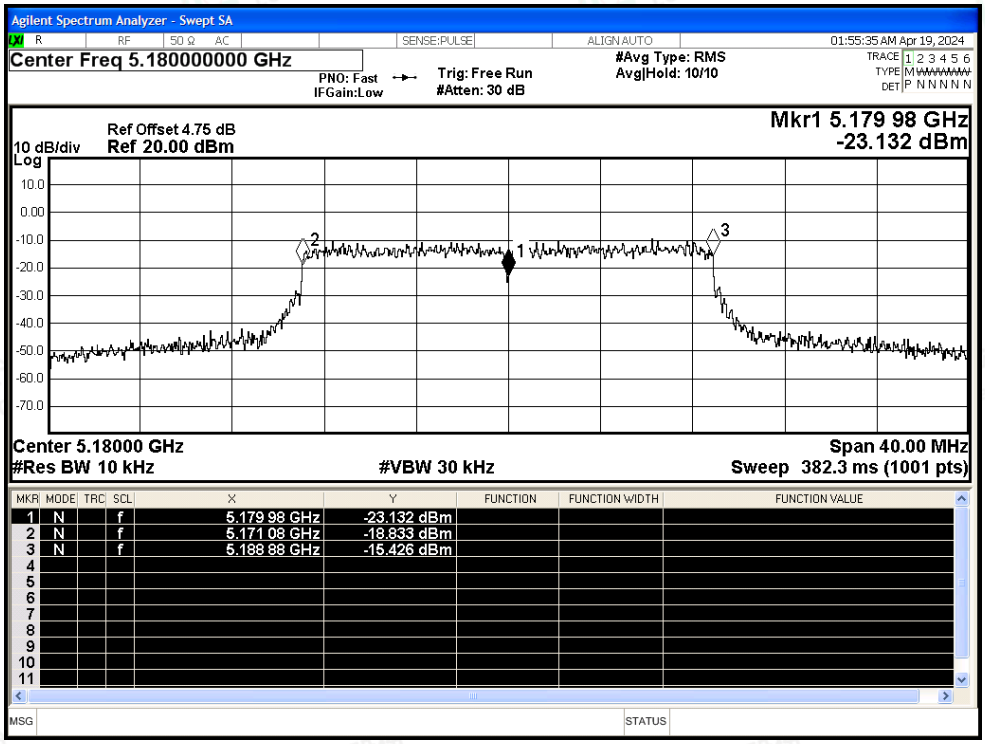
Freq. Stability NVNT ac80 5210MHz Ant1



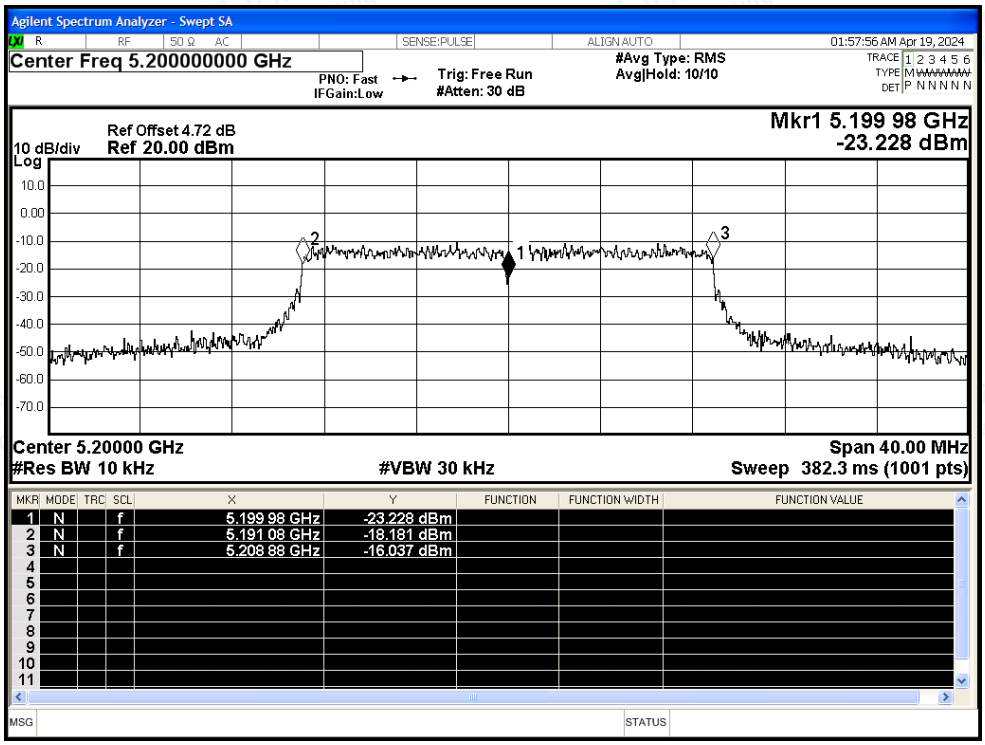
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5180	Ant2	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant2	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant2	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant2	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant2	5230.04	40000	7.65	25	Pass
NVNT	ac80	5210	Ant2	5210	0	0	25	Pass

Test Graphs

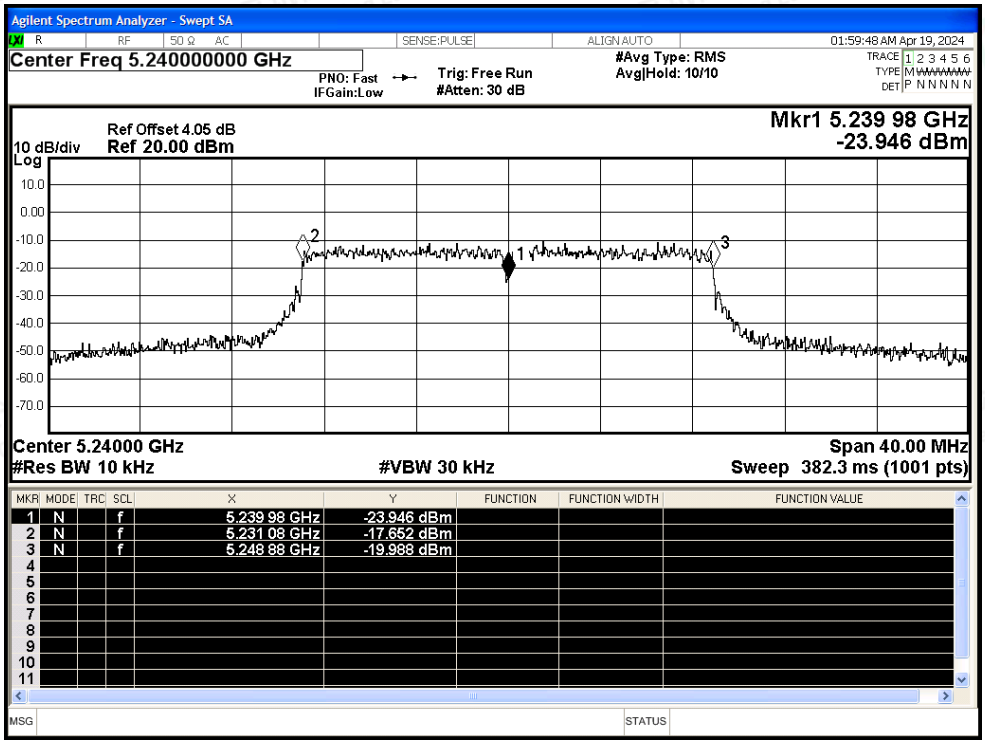
Freq. Stability NVNT ac20 5180MHz Ant2



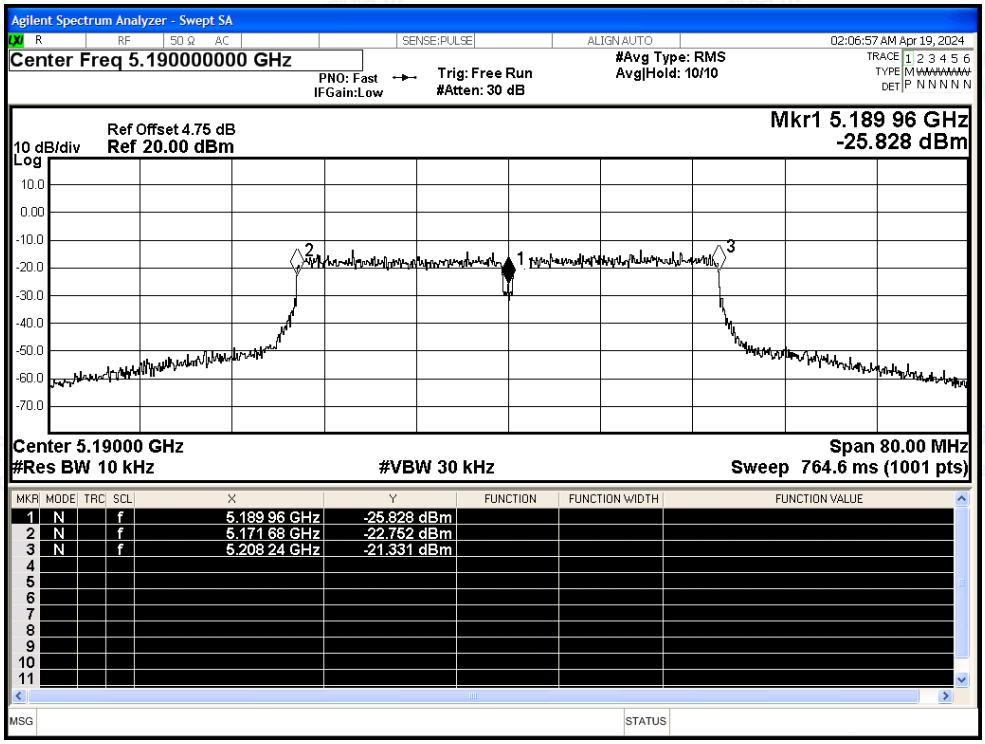
Freq. Stability NVNT ac20 5200MHz Ant2



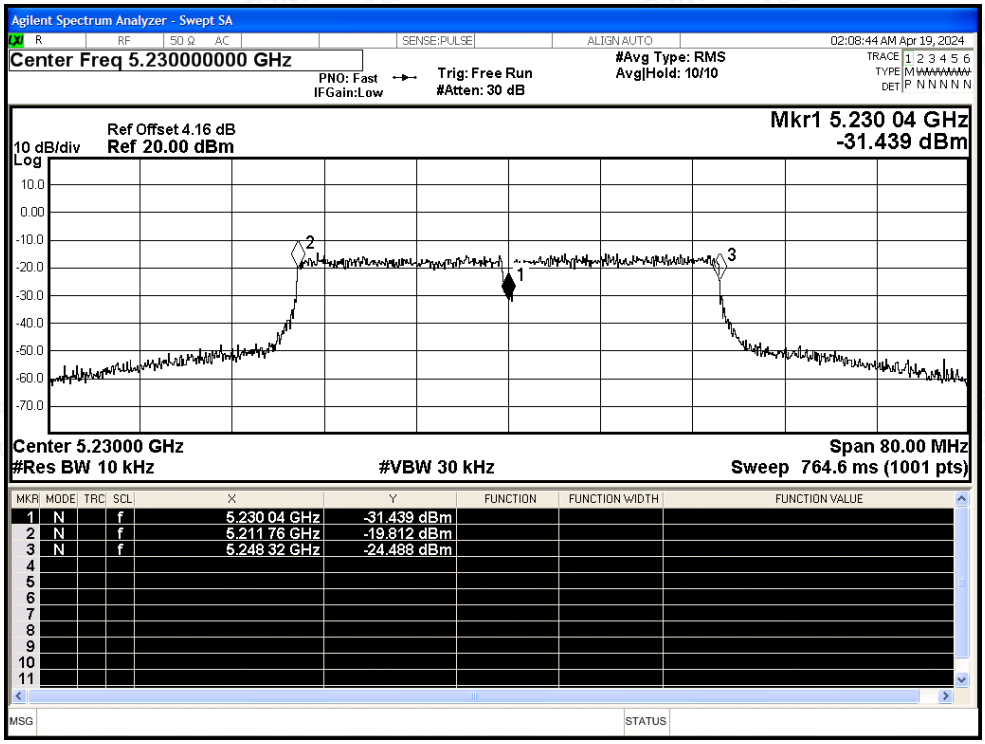
Freq. Stability NVNT ac20 5240MHz Ant2



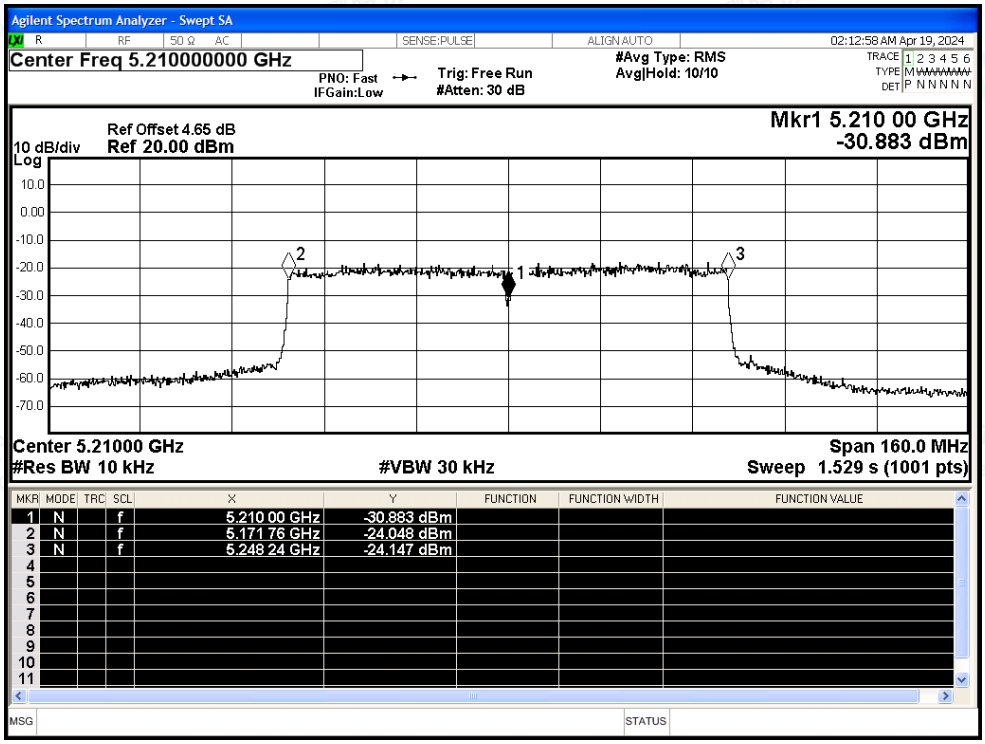
Freq. Stability NVNT ac40 5190MHz Ant2



Freq. Stability NVNT ac40 5230MHz Ant2



Freq. Stability NVNT ac80 5210MHz Ant2

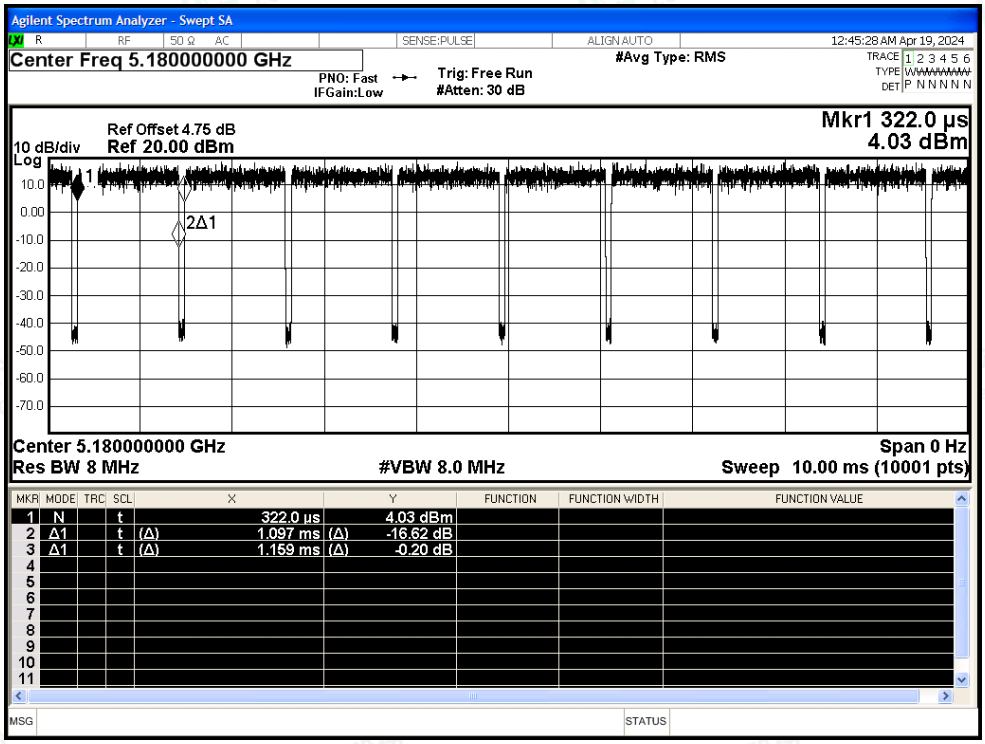


D.7 Duty Cycle

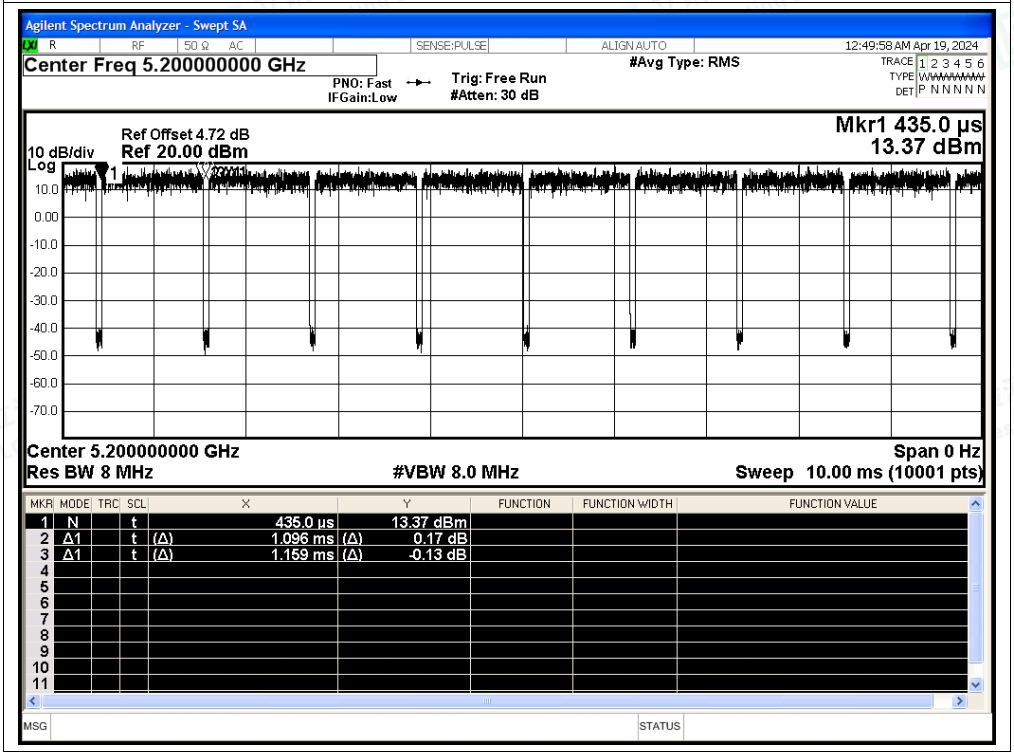
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	94.65	0.24	0.91
NVNT	a	5200	Ant1	94.56	0.24	0.91
NVNT	a	5240	Ant1	94.56	0.24	0.91
NVNT	n20	5180	Ant1	93.77	0.28	1.07
NVNT	n20	5200	Ant1	93.77	0.28	1.07
NVNT	n20	5240	Ant1	93.67	0.28	1.07
NVNT	n40	5190	Ant1	94.71	0.24	0.9
NVNT	n40	5230	Ant1	94.71	0.24	0.9
NVNT	ac20	5180	Ant1	93.72	0.28	1.06
NVNT	ac20	5200	Ant1	93.82	0.28	1.06
NVNT	ac20	5240	Ant1	93.72	0.28	1.06
NVNT	ac40	5190	Ant1	94.72	0.24	0.9
NVNT	ac40	5230	Ant1	94.72	0.24	0.9
NVNT	ac80	5210	Ant1	94.32	0.25	0.97

Test Graphs

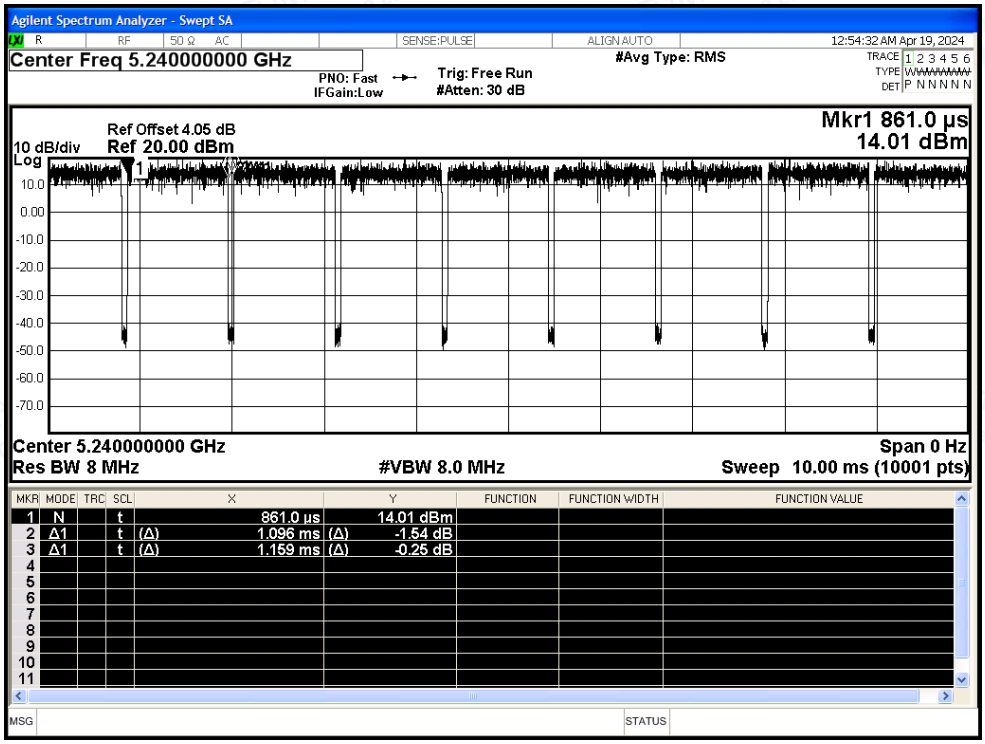
Duty Cycle NVNT a 5180MHz Ant1



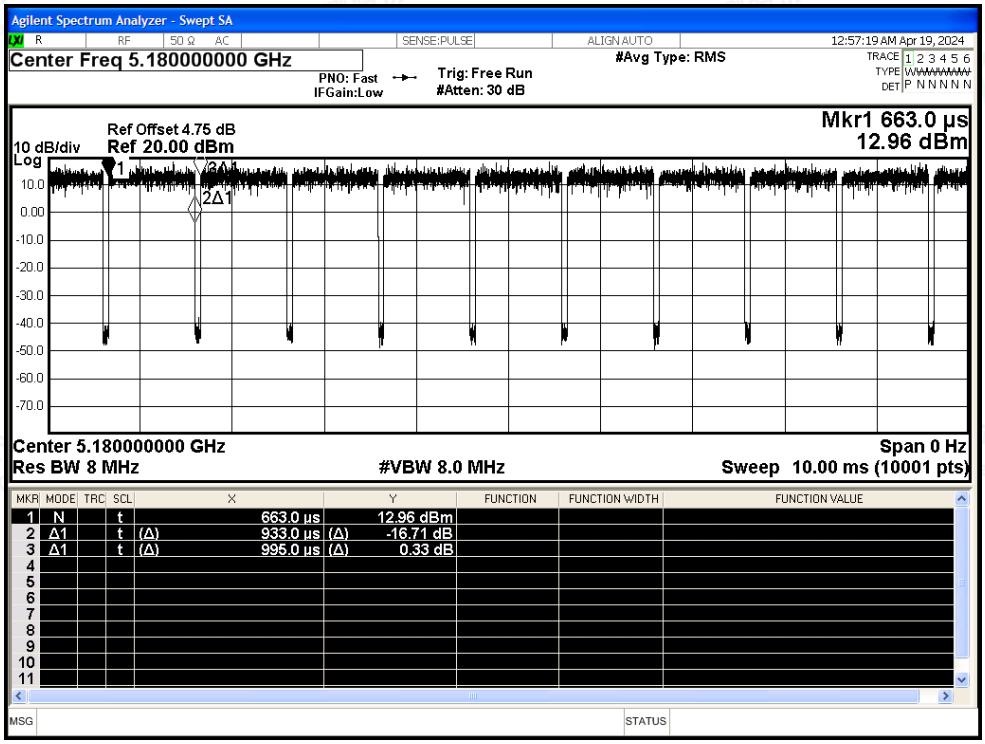
Duty Cycle NVNT a 5200MHz Ant1



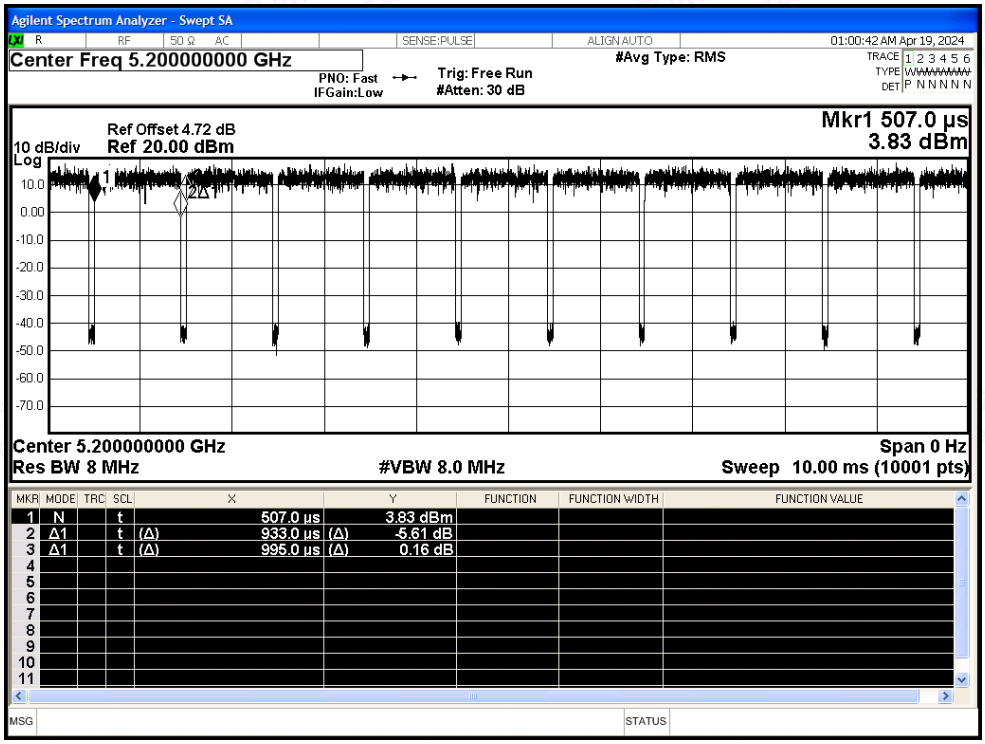
Duty Cycle NVNT a 5240MHz Ant1



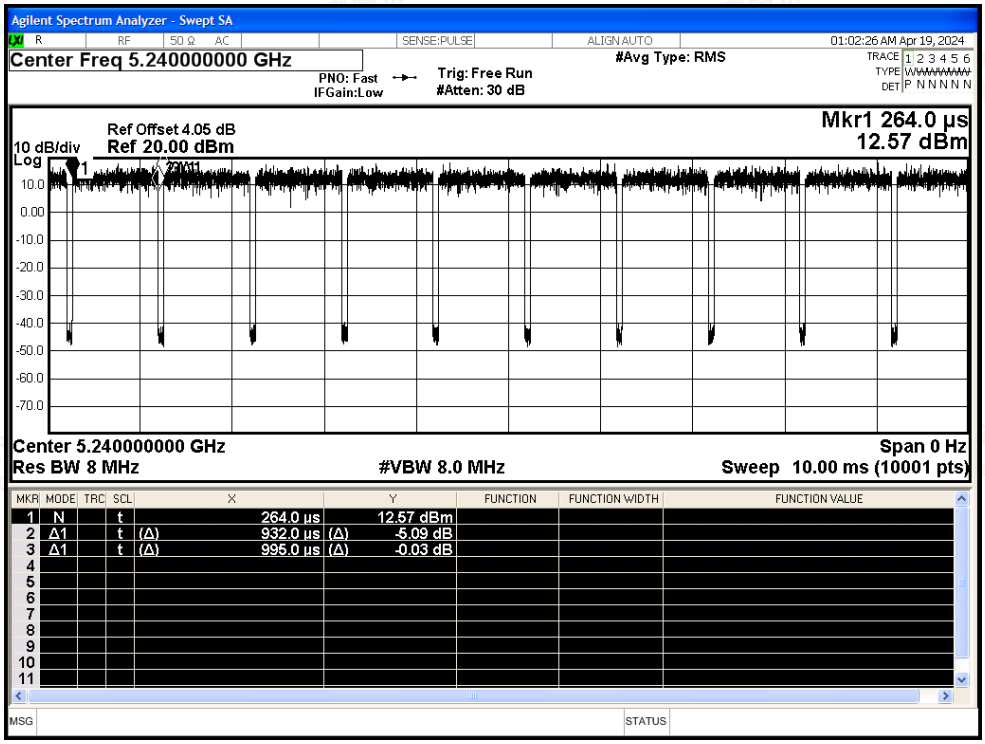
Duty Cycle NVNT n20 5180MHz Ant1



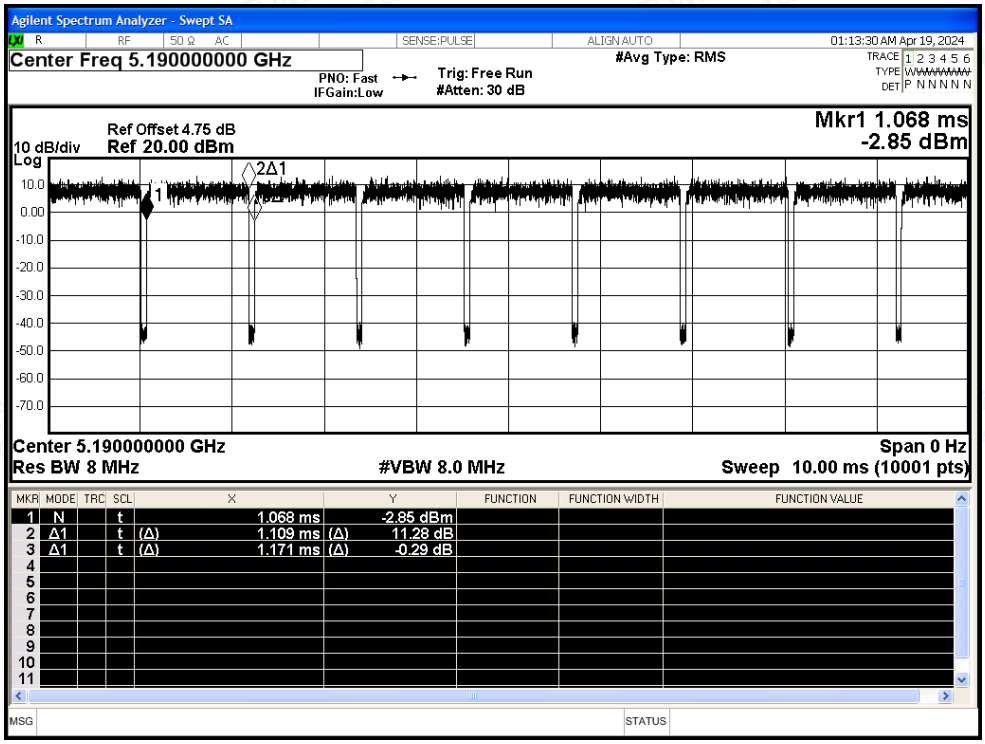
Duty Cycle NVNT n20 5200MHz Ant1



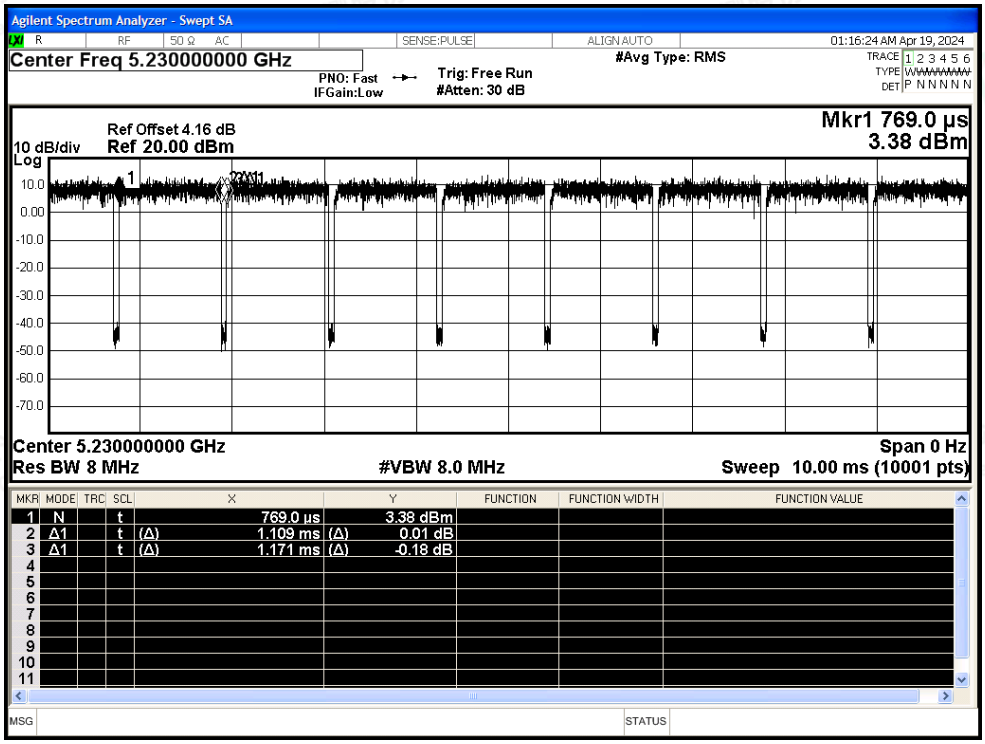
Duty Cycle NVNT n20 5240MHz Ant1



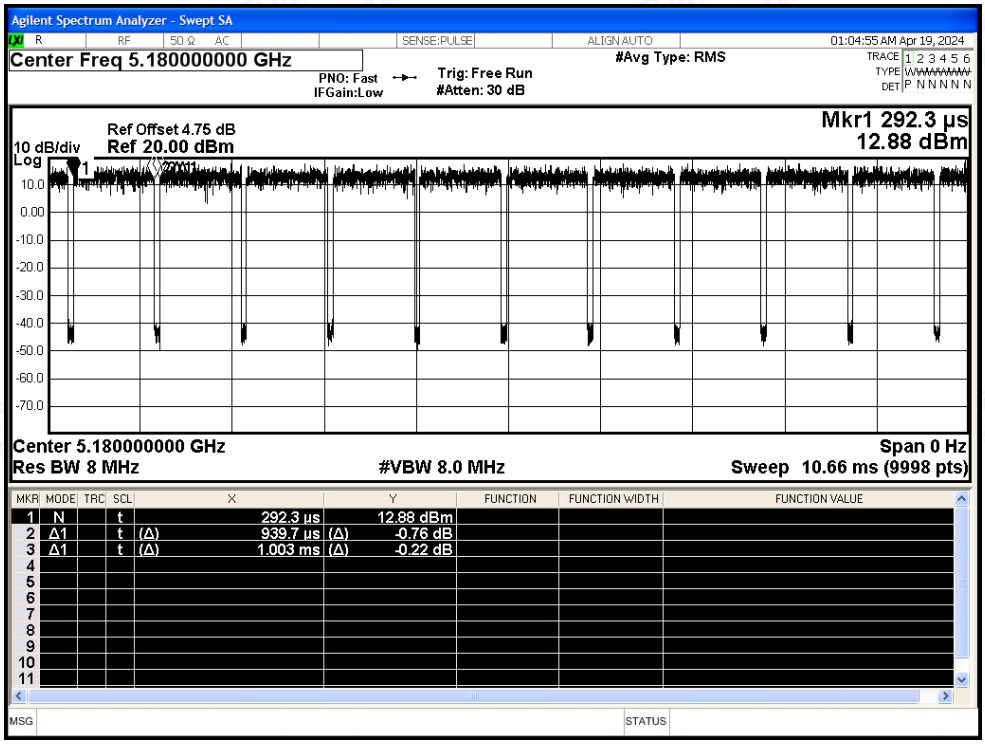
Duty Cycle NVNT n40 5190MHz Ant1



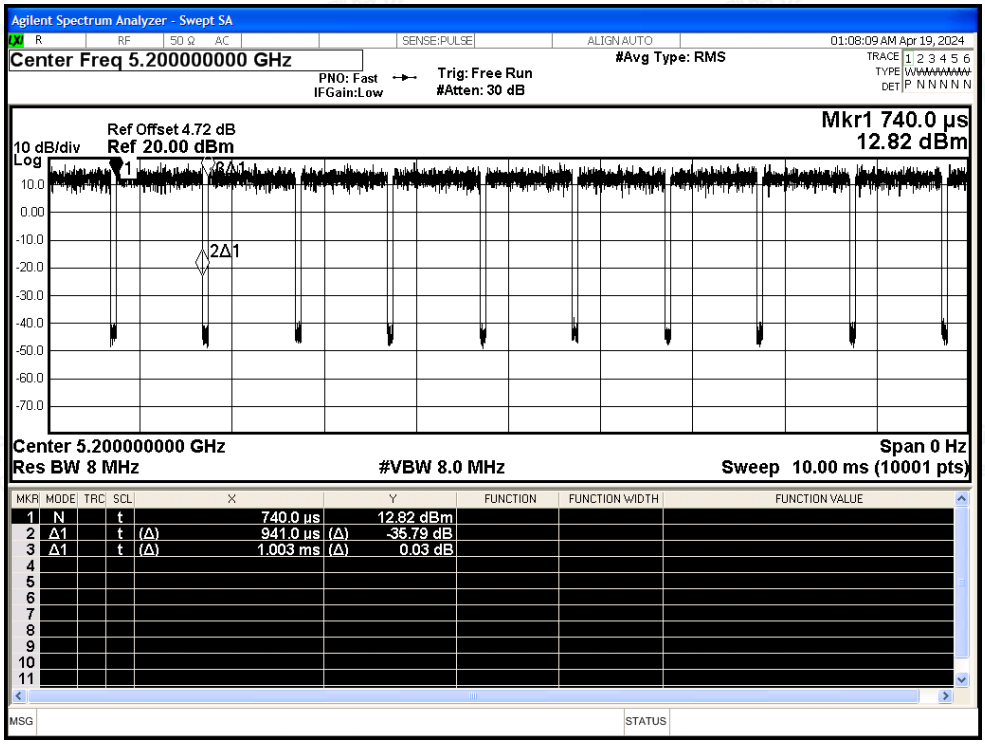
Duty Cycle NVNT n40 5230MHz Ant1



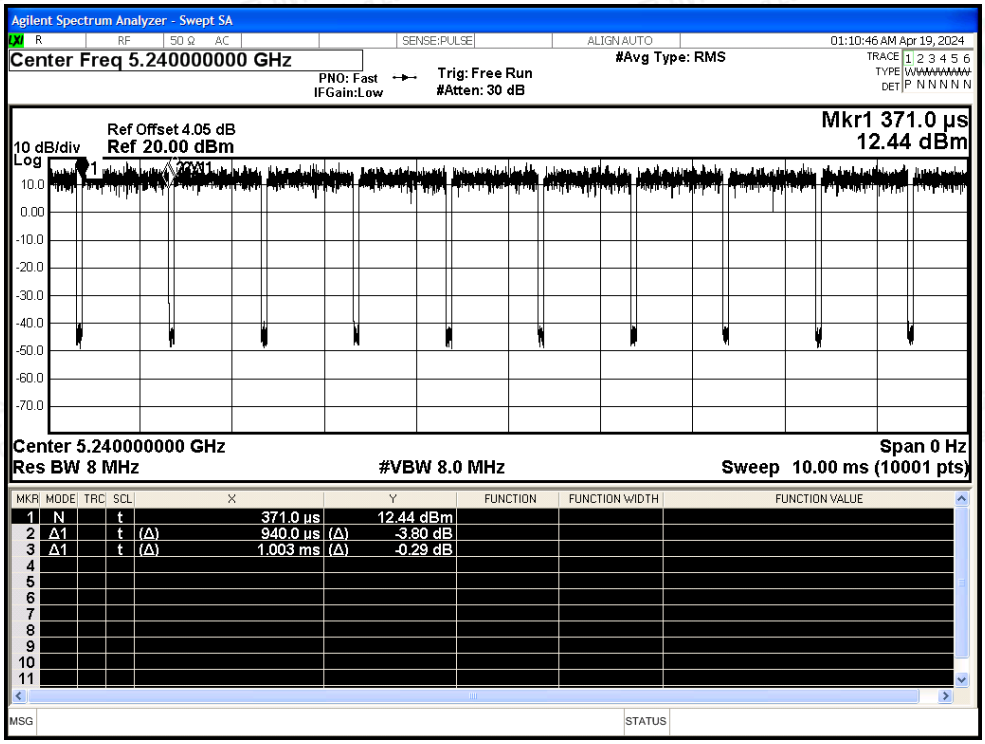
Duty Cycle NVNT ac20 5180MHz Ant1



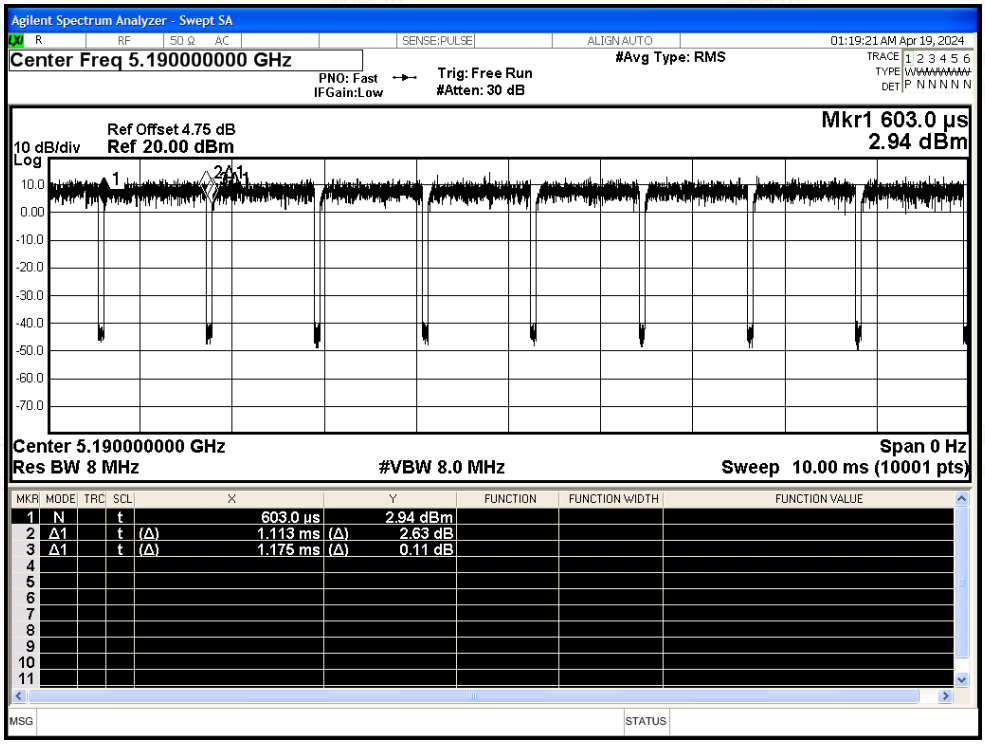
Duty Cycle NVNT ac20 5200MHz Ant1



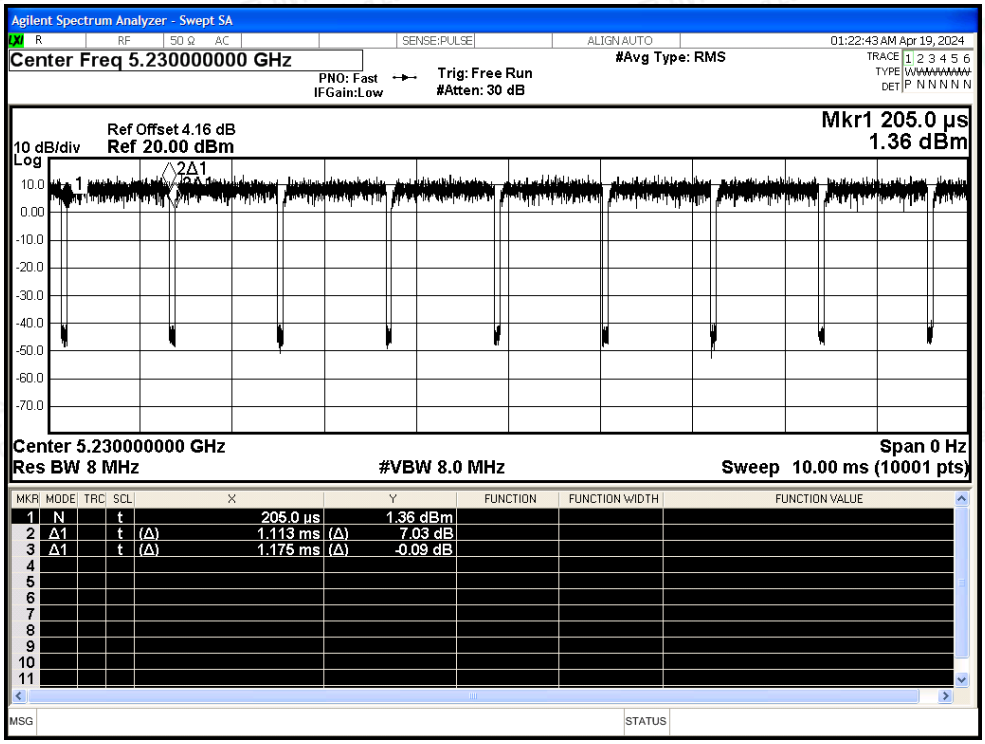
Duty Cycle NVNT ac20 5240MHz Ant1



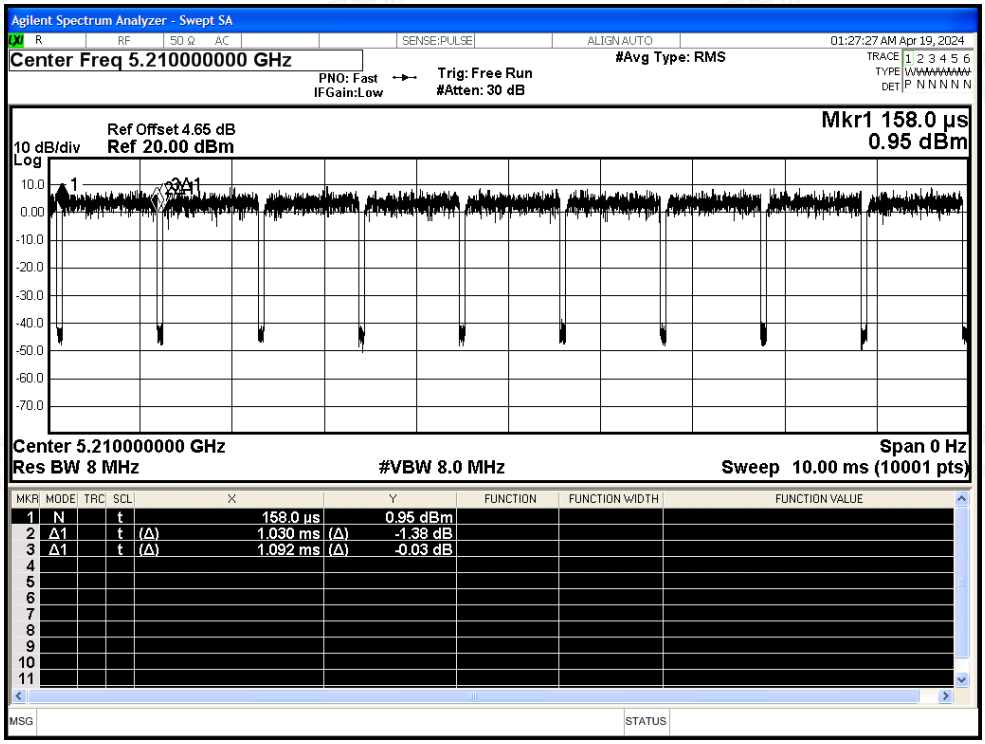
Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



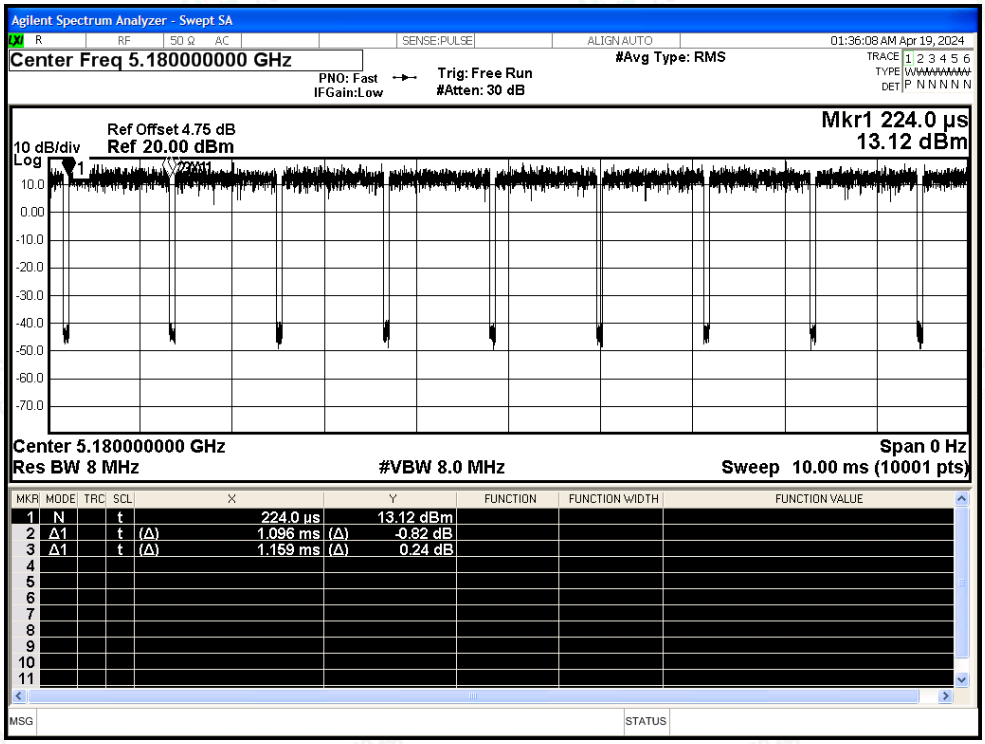
Duty Cycle NVNT ac80 5210MHz Ant1



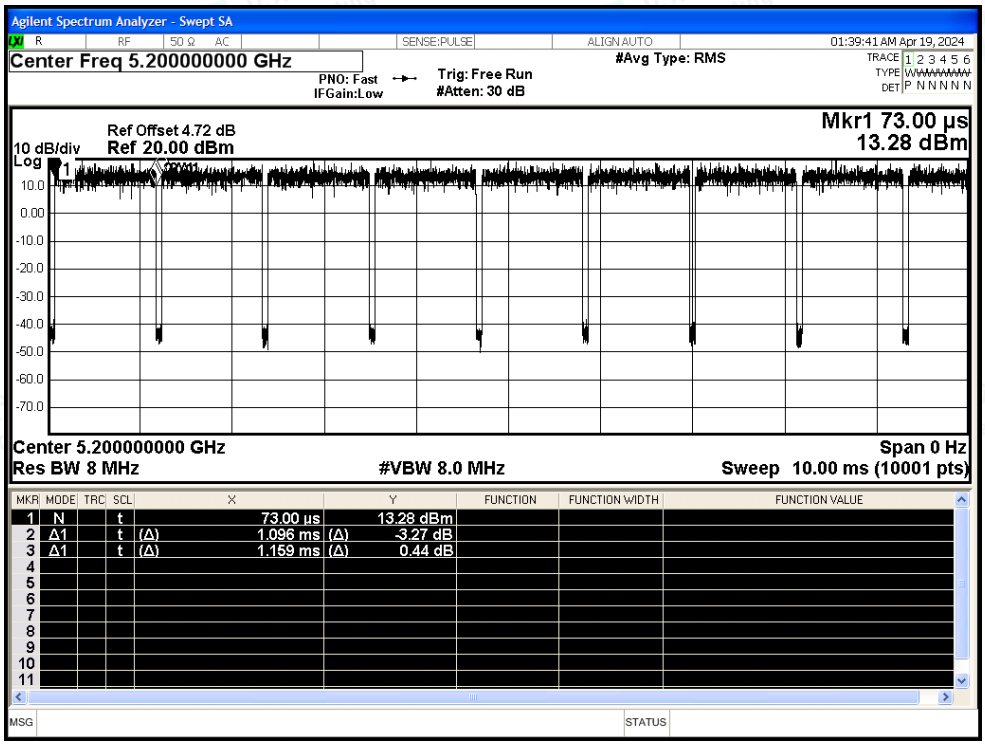
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant2	94.56	0.24	0.91
NVNT	a	5200	Ant2	94.56	0.24	0.91
NVNT	a	5240	Ant2	94.56	0.24	0.91
NVNT	n20	5180	Ant2	93.67	0.28	1.07
NVNT	n20	5200	Ant2	93.67	0.28	1.07
NVNT	n20	5240	Ant2	93.67	0.28	1.07
NVNT	n40	5190	Ant2	94.71	0.24	0.9
NVNT	n40	5230	Ant2	94.71	0.24	0.9
NVNT	ac20	5180	Ant2	93.72	0.28	1.06
NVNT	ac20	5200	Ant2	93.72	0.28	1.06
NVNT	ac20	5240	Ant2	93.82	0.28	1.06
NVNT	ac40	5190	Ant2	94.72	0.24	0.9
NVNT	ac40	5230	Ant2	94.72	0.24	0.9
NVNT	ac80	5210	Ant2	94.32	0.25	0.97

Test Graphs

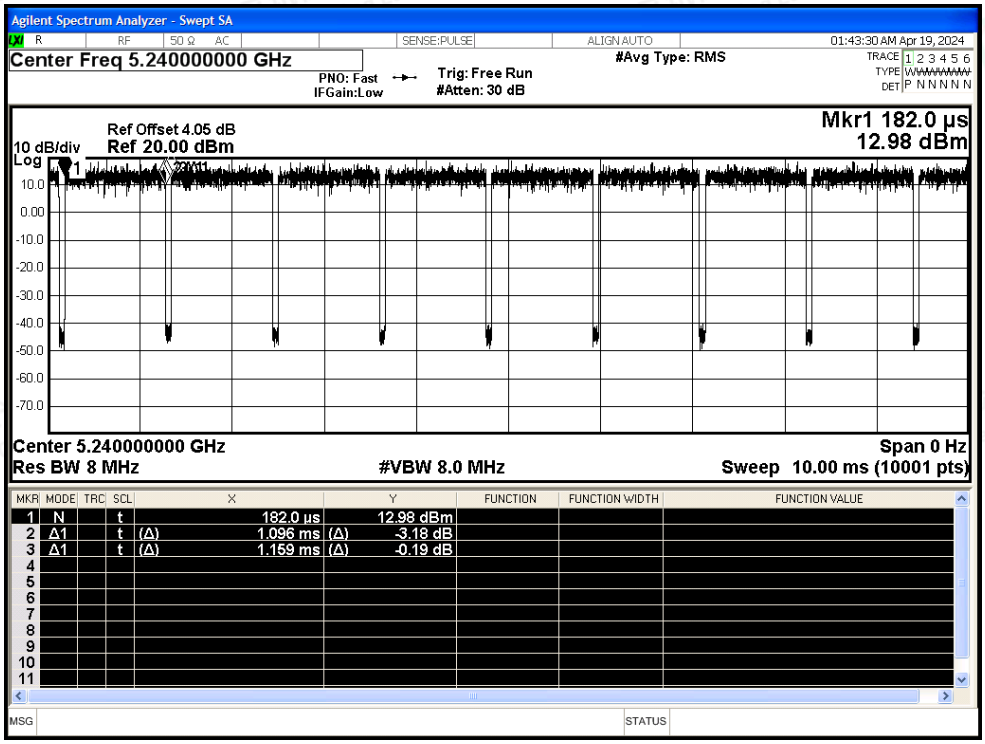
Duty Cycle NVNT a 5180MHz Ant2



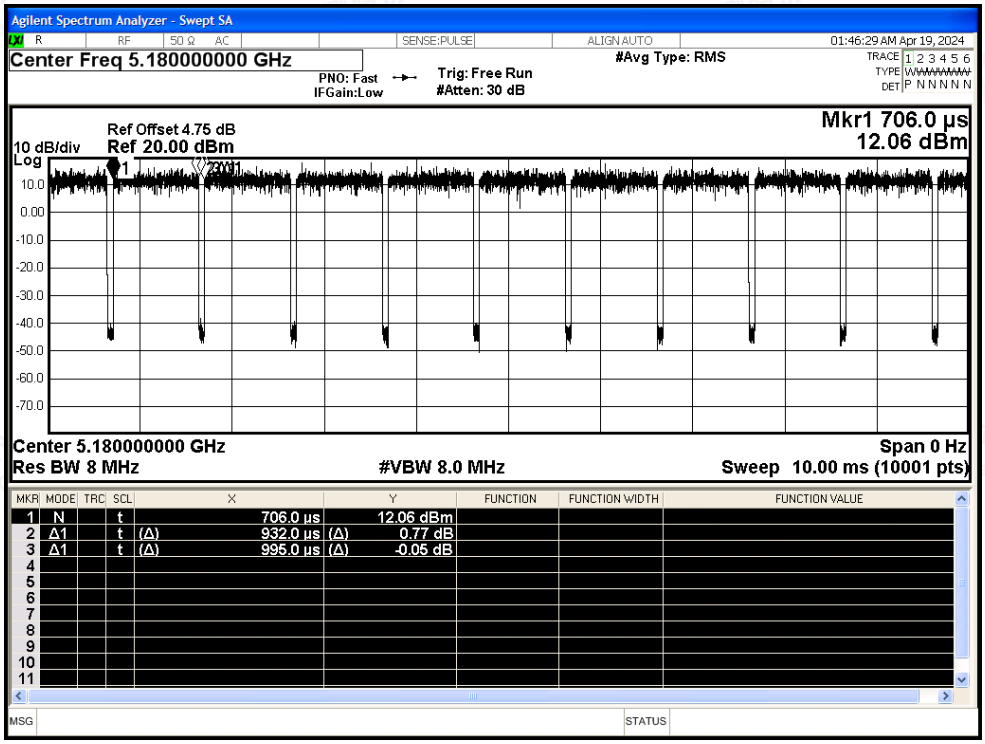
Duty Cycle NVNT a 5200MHz Ant2



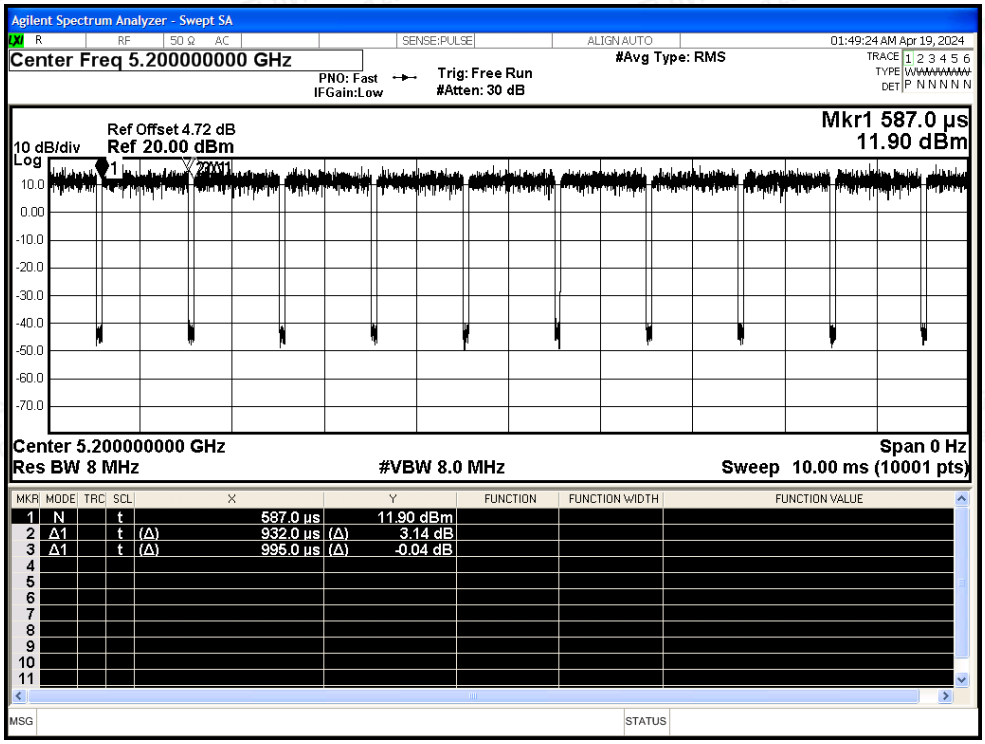
Duty Cycle NVNT a 5240MHz Ant2



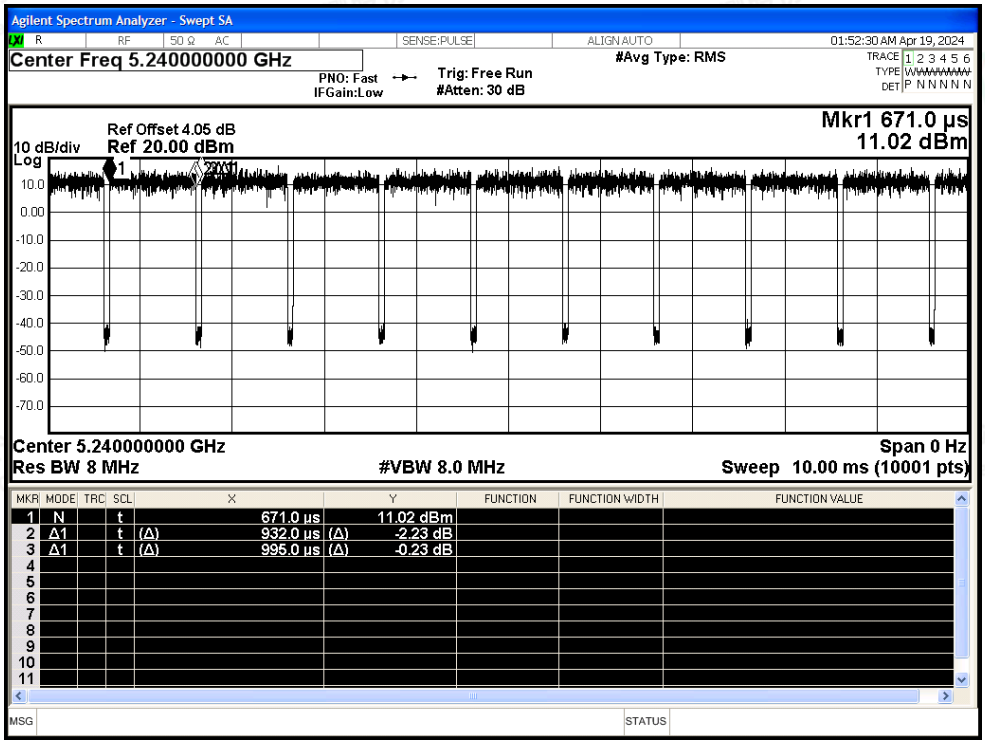
Duty Cycle NVNT n20 5180MHz Ant2



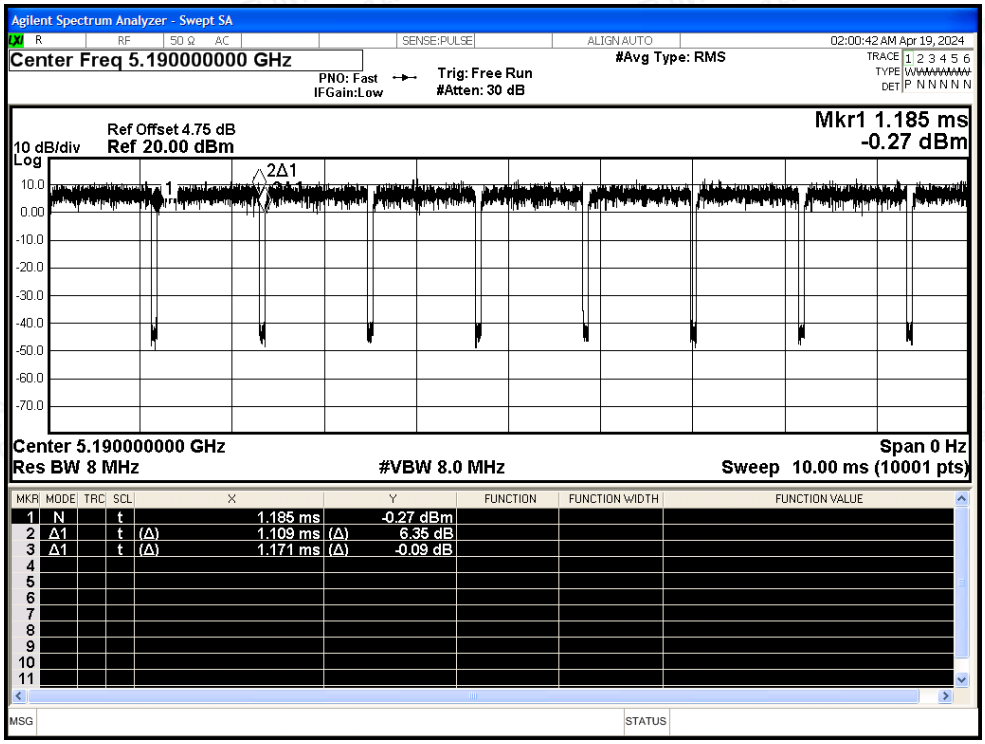
Duty Cycle NVNT n20 5200MHz Ant2



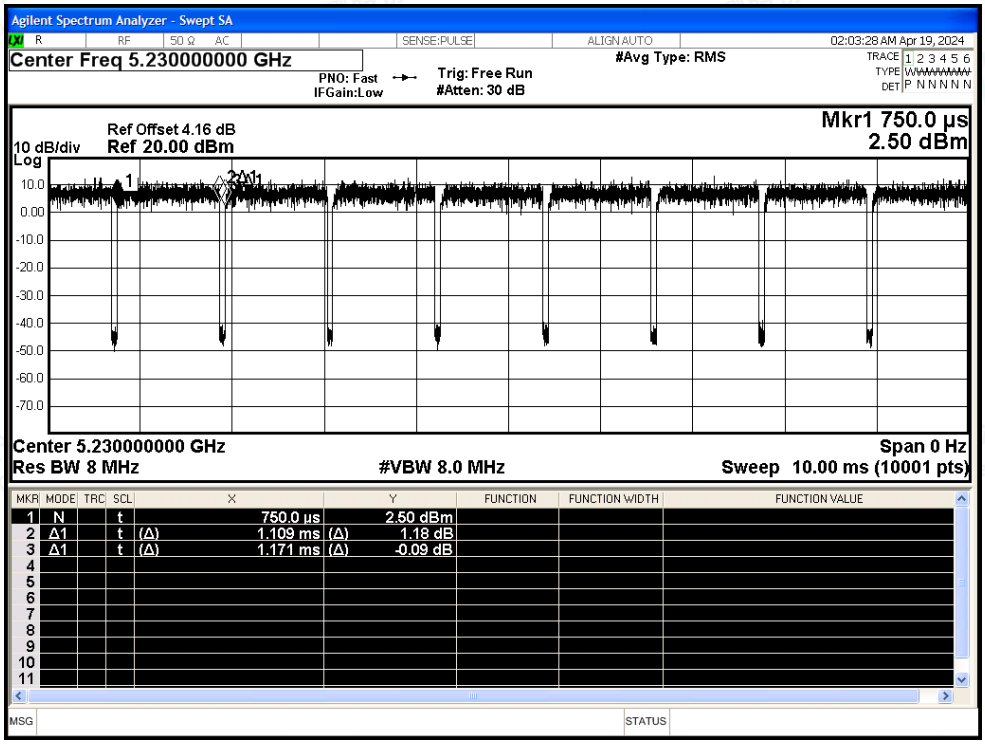
Duty Cycle NVNT n20 5240MHz Ant2



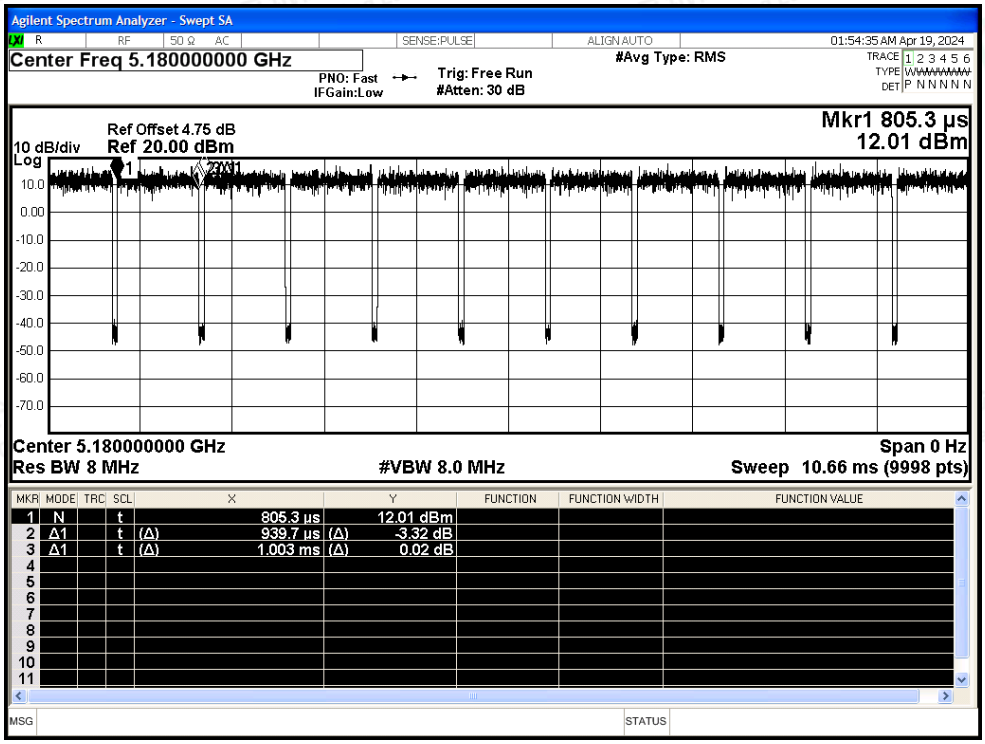
Duty Cycle NVNT n40 5190MHz Ant2



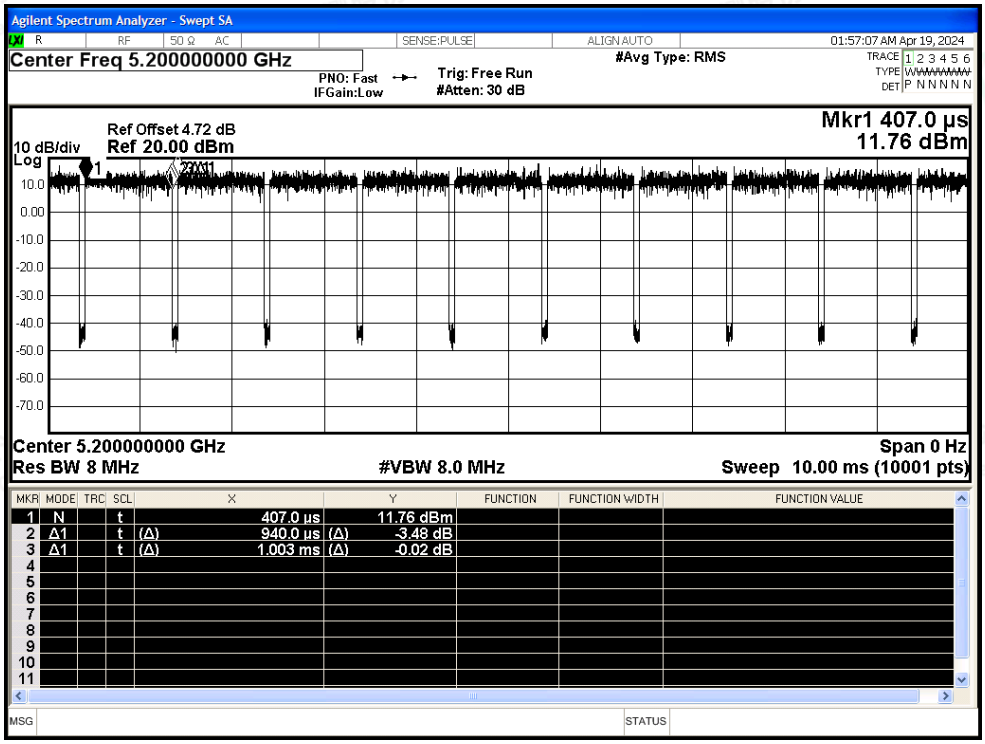
Duty Cycle NVNT n40 5230MHz Ant2



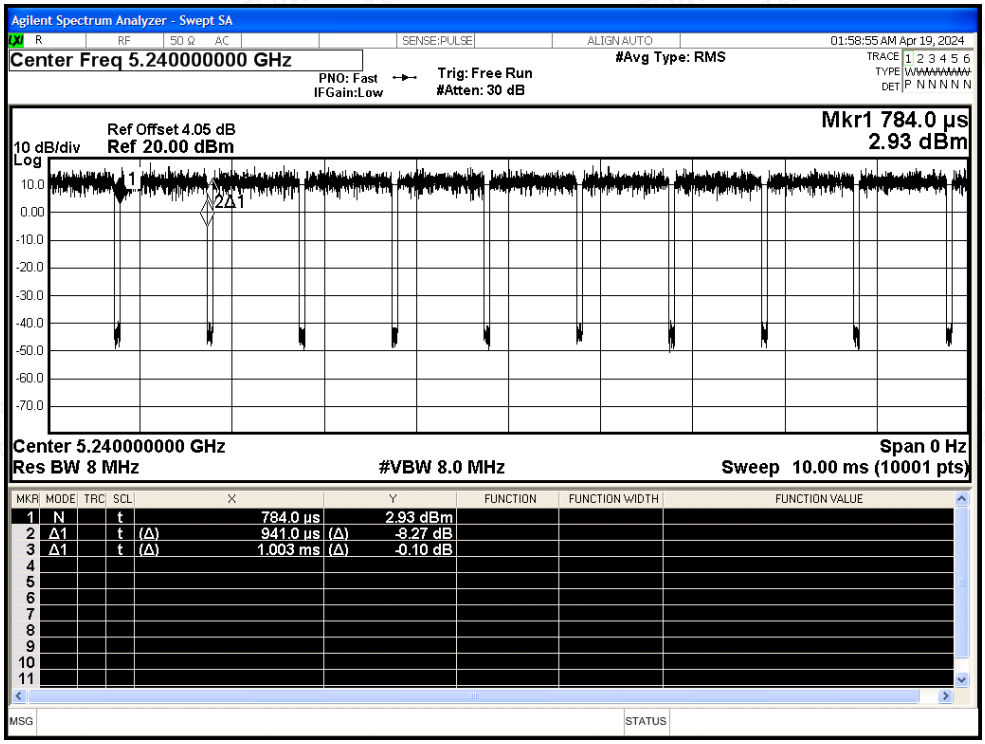
Duty Cycle NVNT ac20 5180MHz Ant2



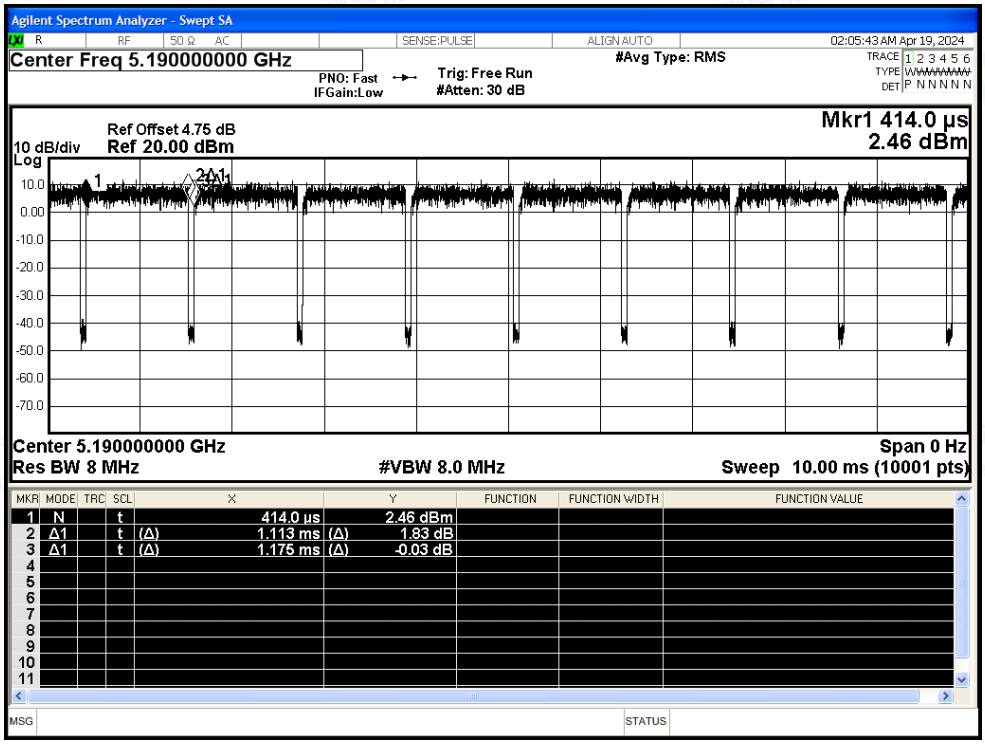
Duty Cycle NVNT ac20 5200MHz Ant2



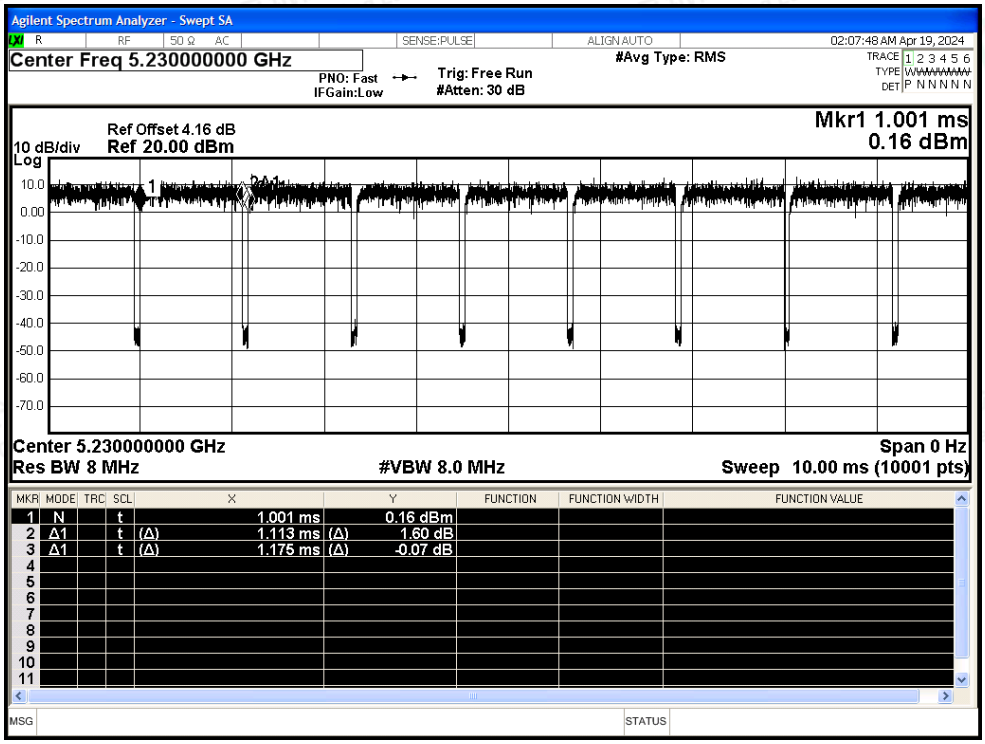
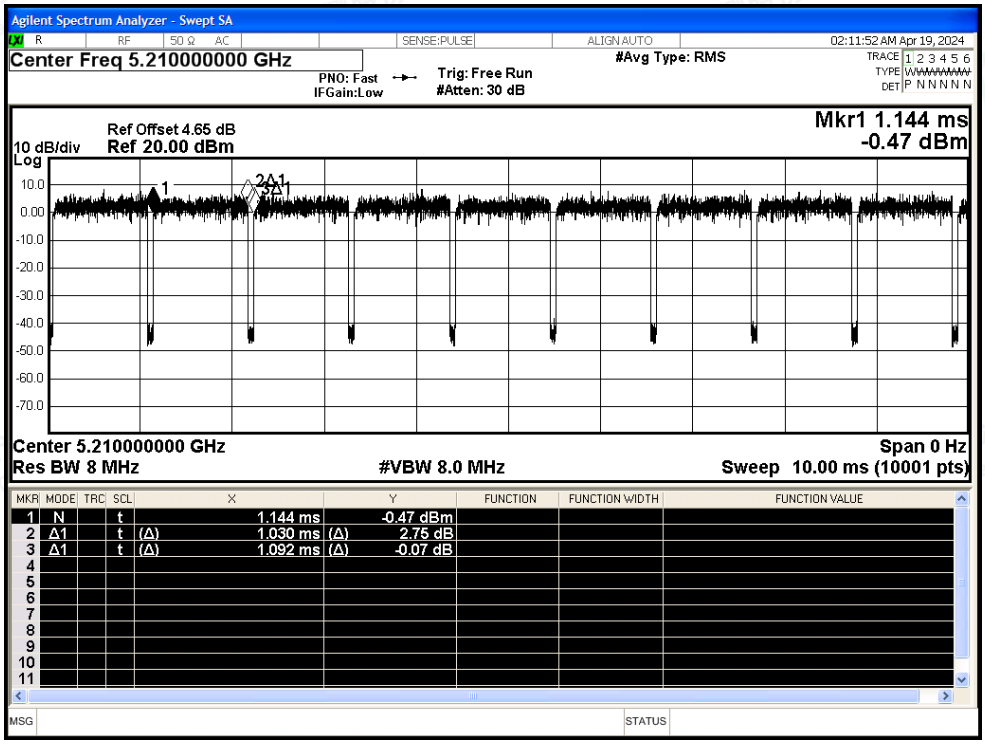
Duty Cycle NVNT ac20 5240MHz Ant2



Duty Cycle NVNT ac40 5190MHz Ant2



Duty Cycle NVNT ac40 5230MHz Ant2



Duty Cycle NVNT ac80 5210MHz Ant2