Appendix D

RF Test Data for 5.2G WIFI (Conducted Measurement)

Product Name: IP Phone

Test Model: UCV50

Environmental Conditions

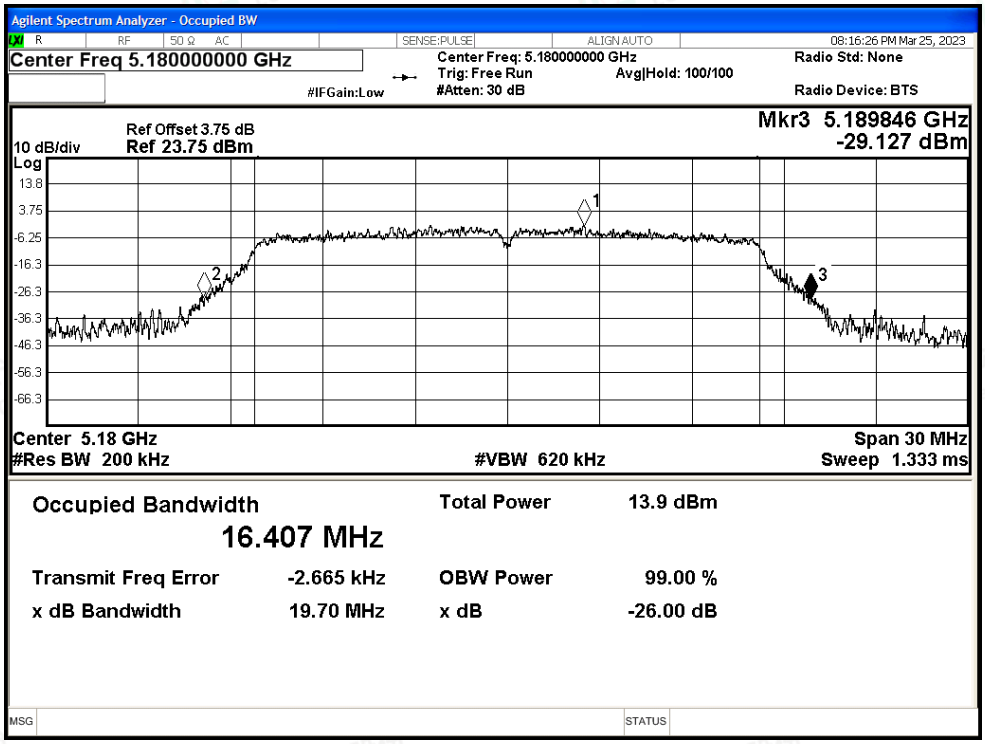
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu

D.1 -26dB Bandwidth

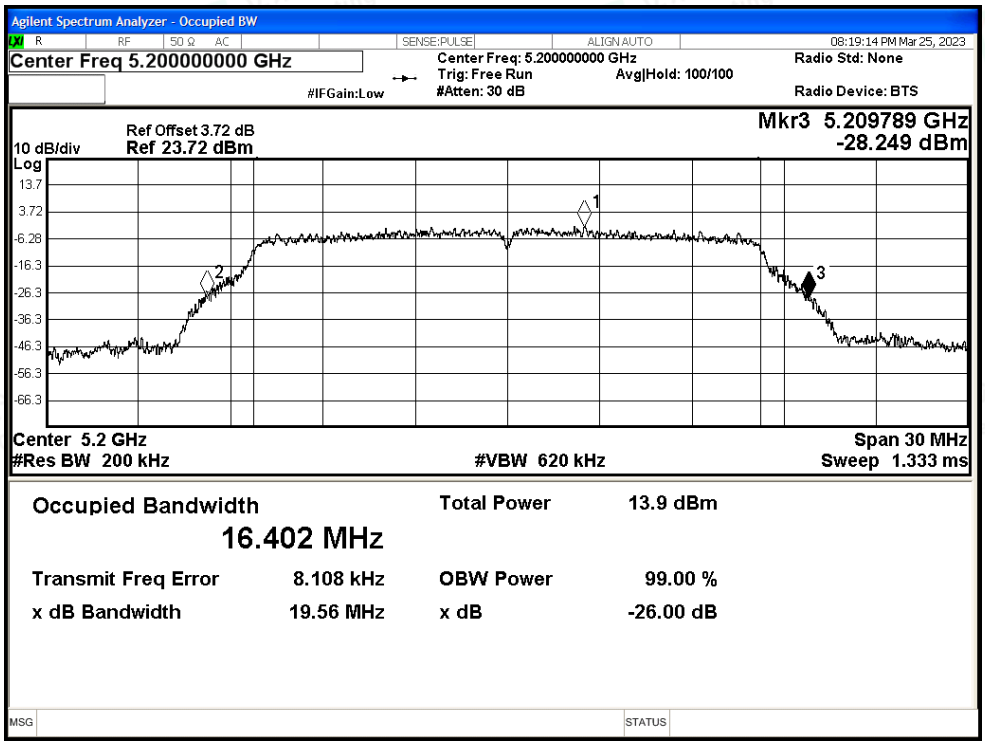
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant0	19.698	Pass
NVNT	a	5200	Ant0	19.561	Pass
NVNT	a	5240	Ant0	19.649	Pass
NVNT	n20	5180	Ant0	20.05	Pass
NVNT	n20	5200	Ant0	20.006	Pass
NVNT	n20	5240	Ant0	19.828	Pass
NVNT	n40	5190	Ant0	40.342	Pass
NVNT	n40	5230	Ant0	39.79	Pass
NVNT	ac20	5180	Ant0	20.129	Pass
NVNT	ac20	5200	Ant0	19.897	Pass
NVNT	ac20	5240	Ant0	20.196	Pass
NVNT	ac40	5190	Ant0	40.41	Pass
NVNT	ac40	5230	Ant0	40.194	Pass
NVNT	ac80	5210	Ant0	80.279	Pass

Test Graphs

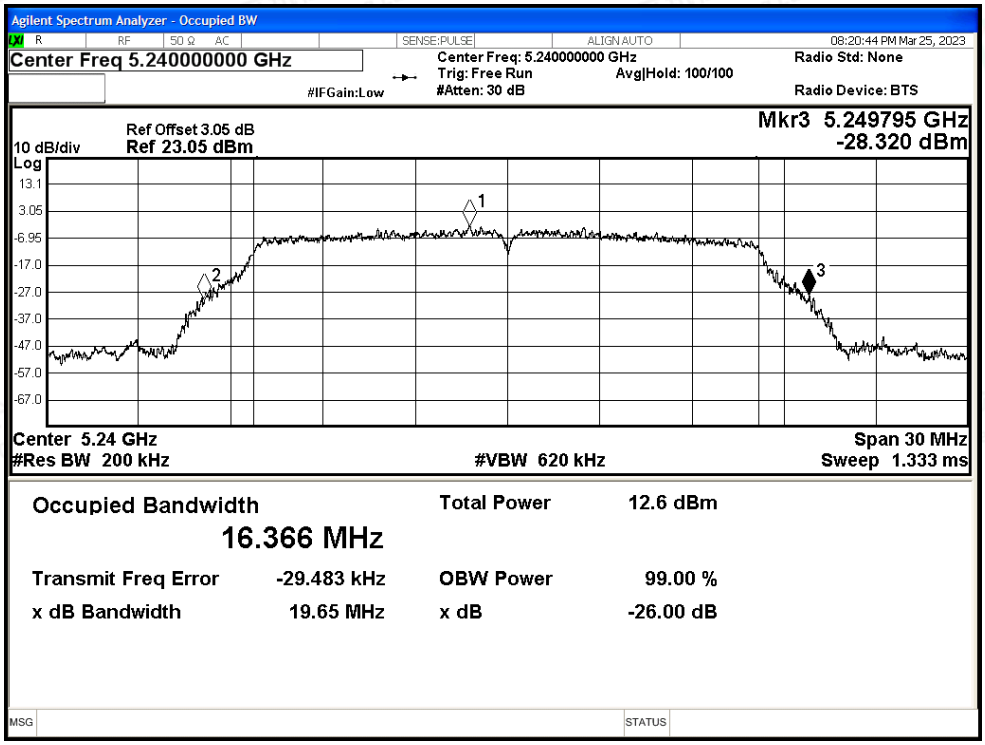
-26dB Bandwidth NVNT a 5180MHz Ant0



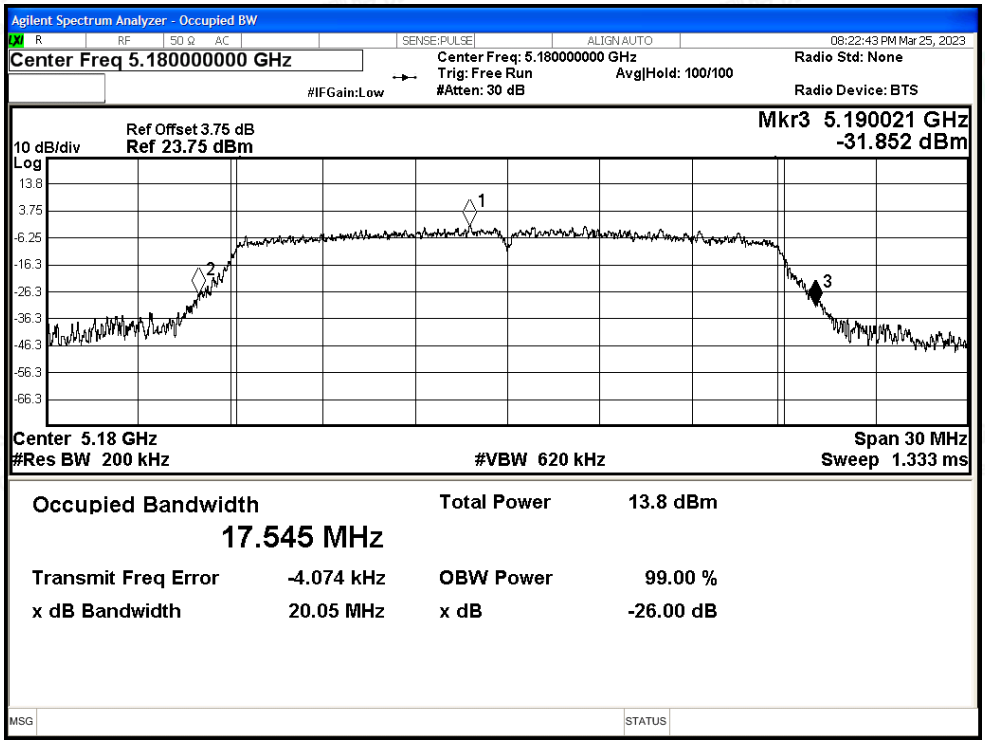
-26dB Bandwidth NVNT a 5200MHz Ant0



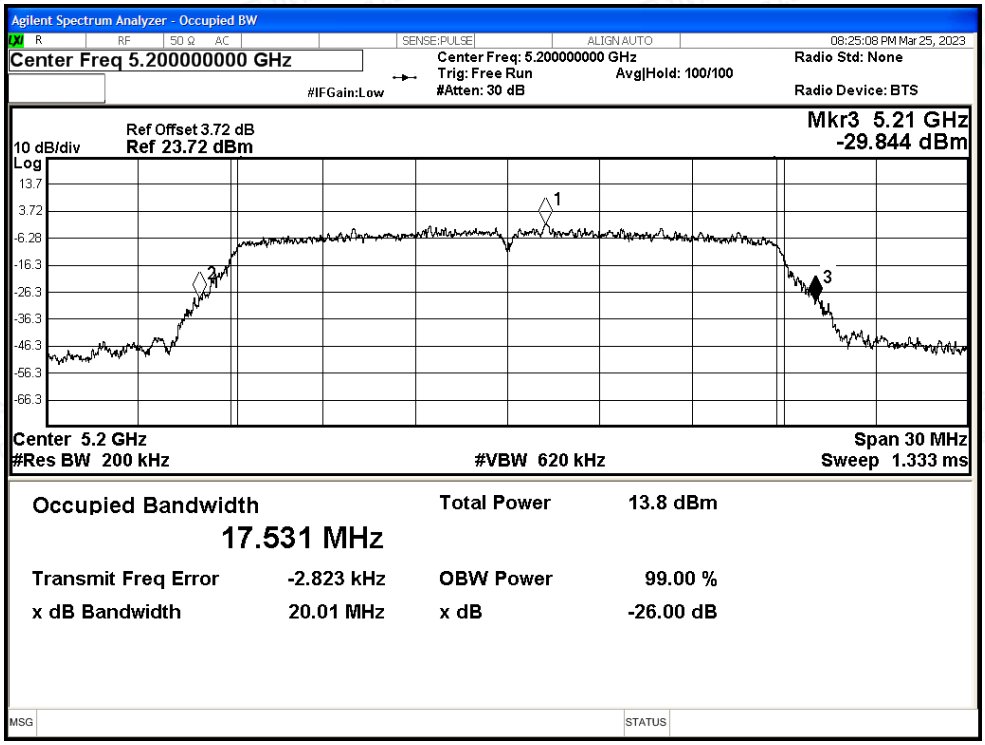
-26dB Bandwidth NVNT a 5240MHz Ant0



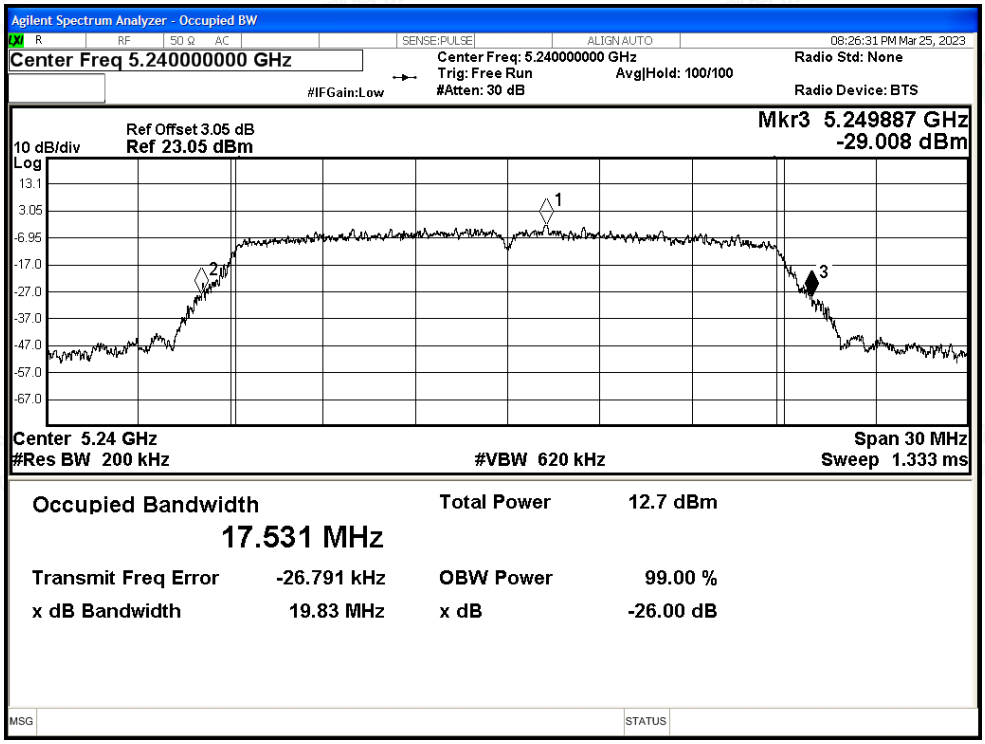
-26dB Bandwidth NVNT n20 5180MHz Ant0



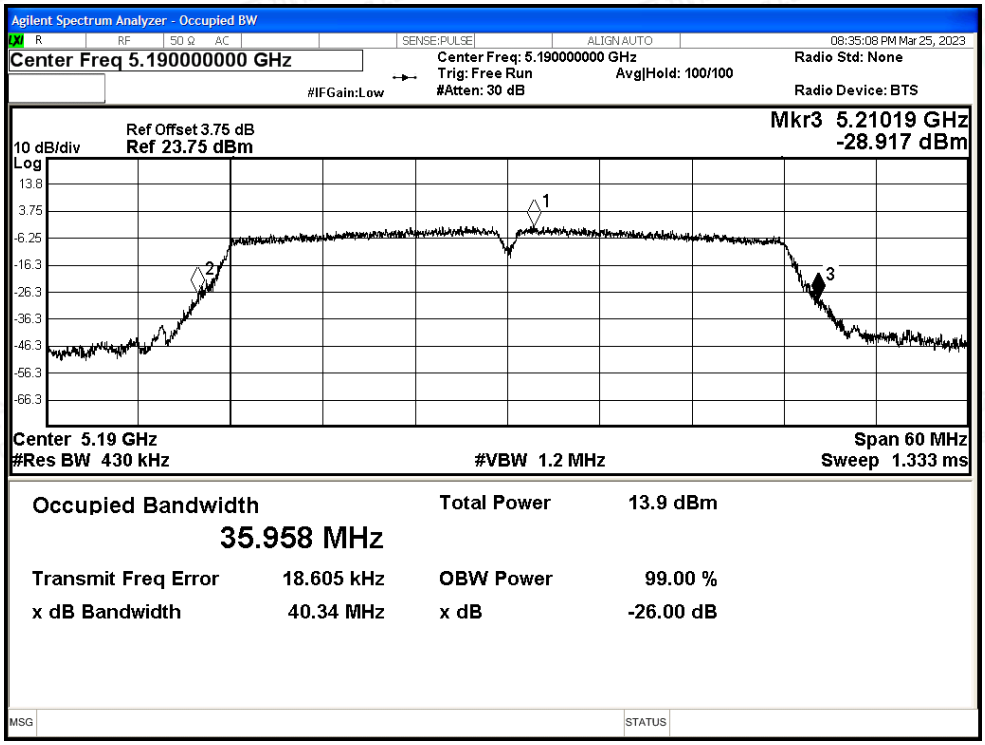
-26dB Bandwidth NVNT n20 5200MHz Ant0



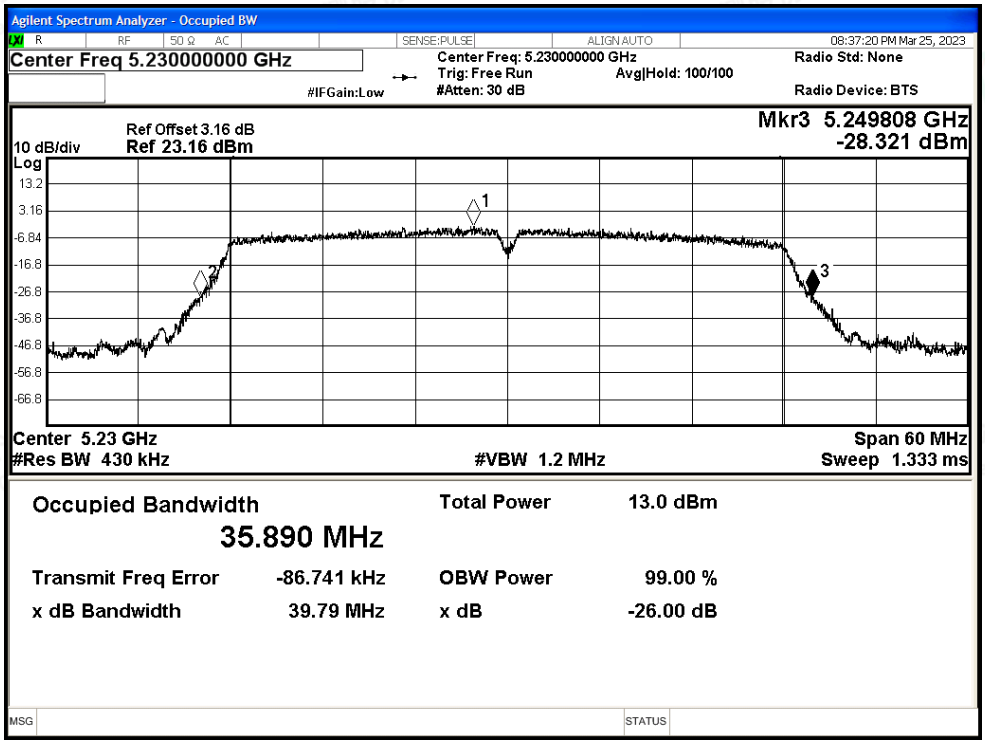
-26dB Bandwidth NVNT n20 5240MHz Ant0



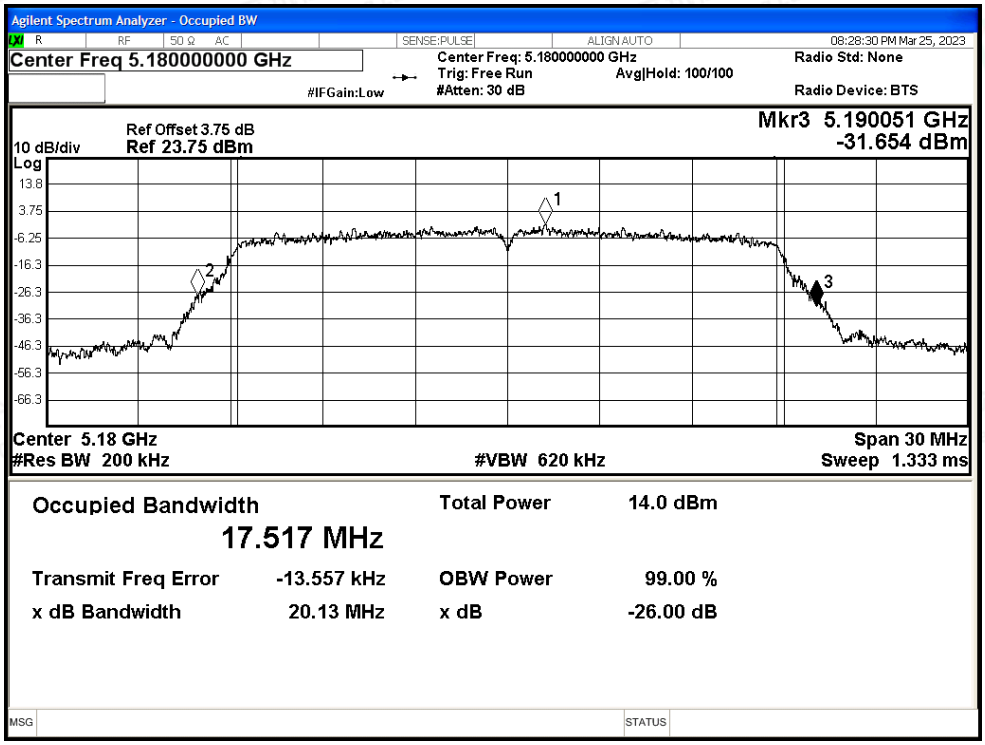
-26dB Bandwidth NVNT n40 5190MHz Ant0



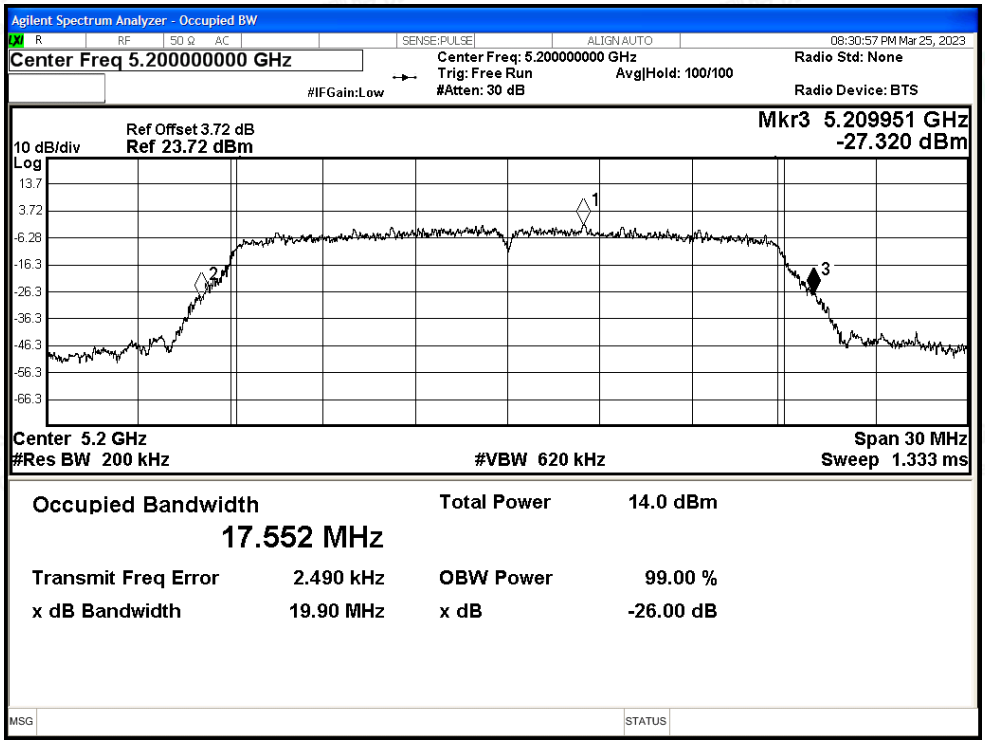
-26dB Bandwidth NVNT n40 5230MHz Ant0



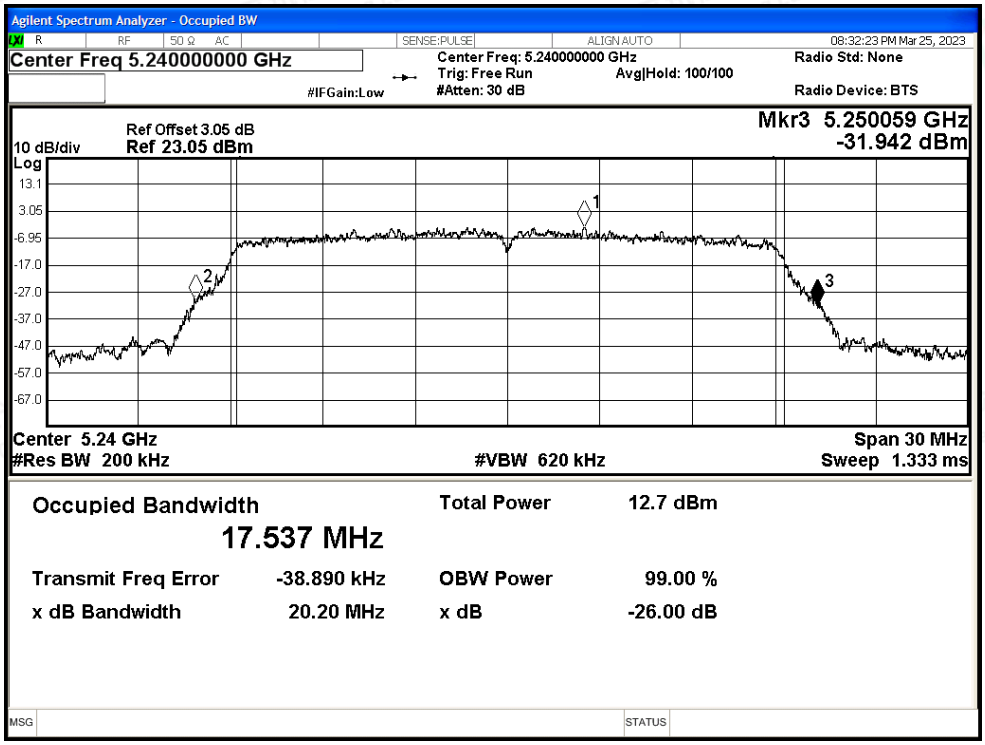
-26dB Bandwidth NVNT ac20 5180MHz Ant0



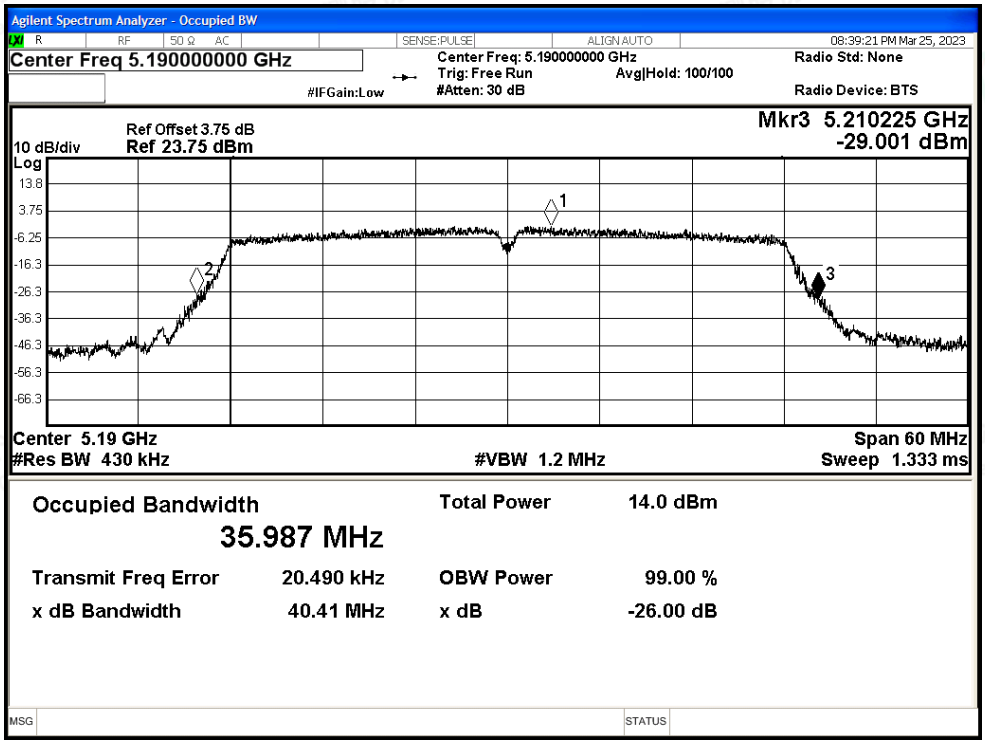
-26dB Bandwidth NVNT ac20 5200MHz Ant0



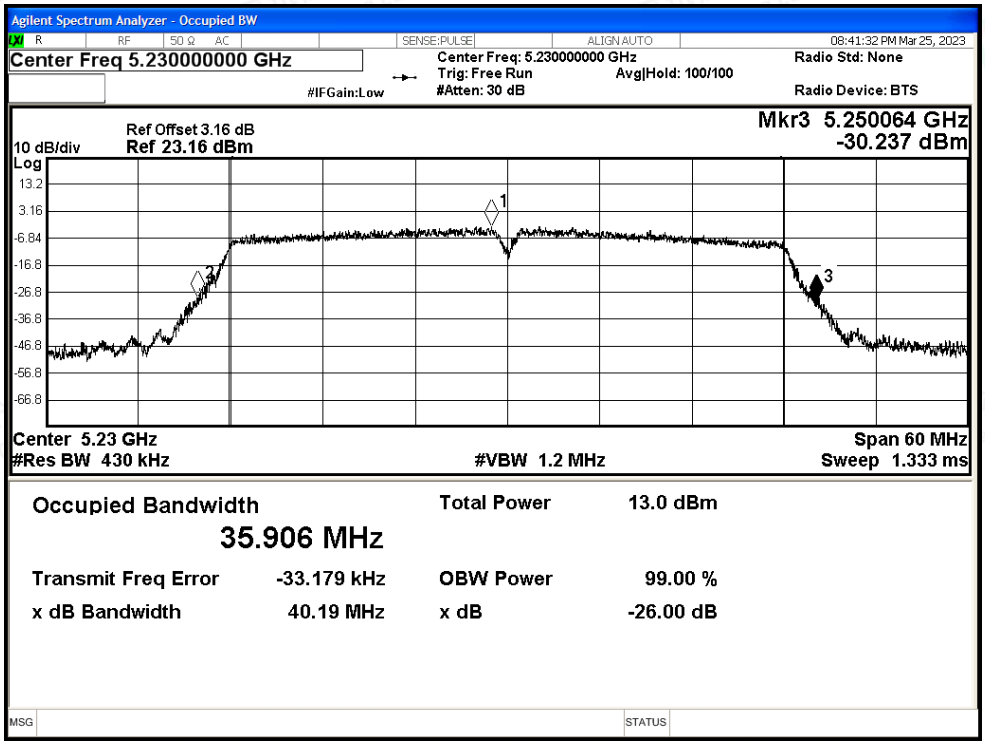
-26dB Bandwidth NVNT ac20 5240MHz Ant0



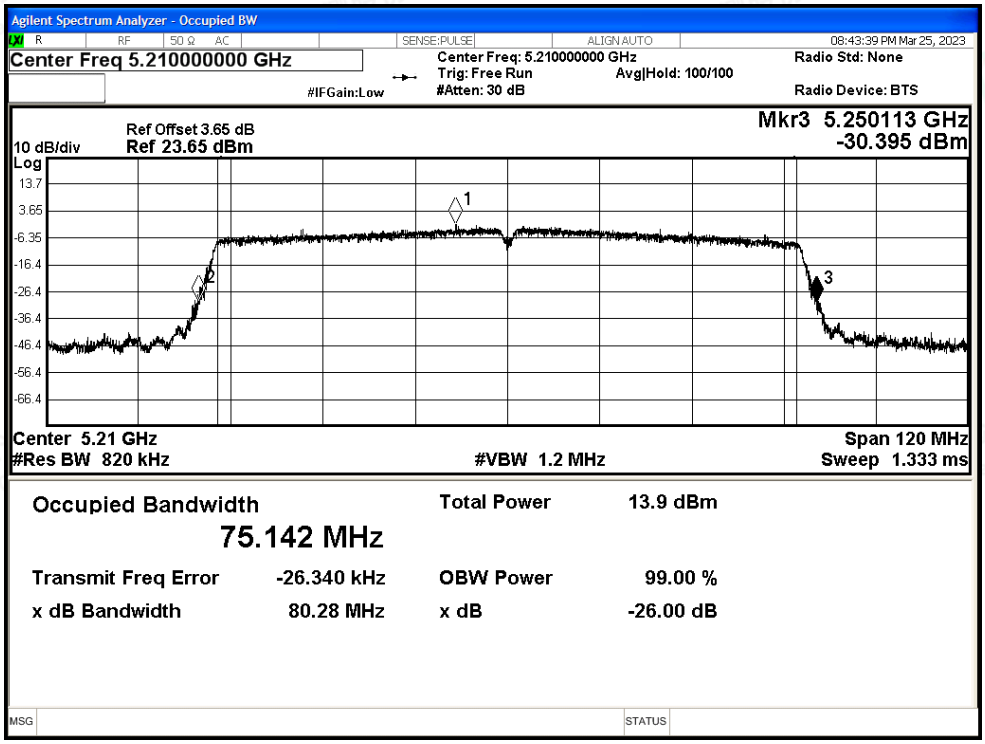
-26dB Bandwidth NVNT ac40 5190MHz Ant0



-26dB Bandwidth NVNT ac40 5230MHz Ant0



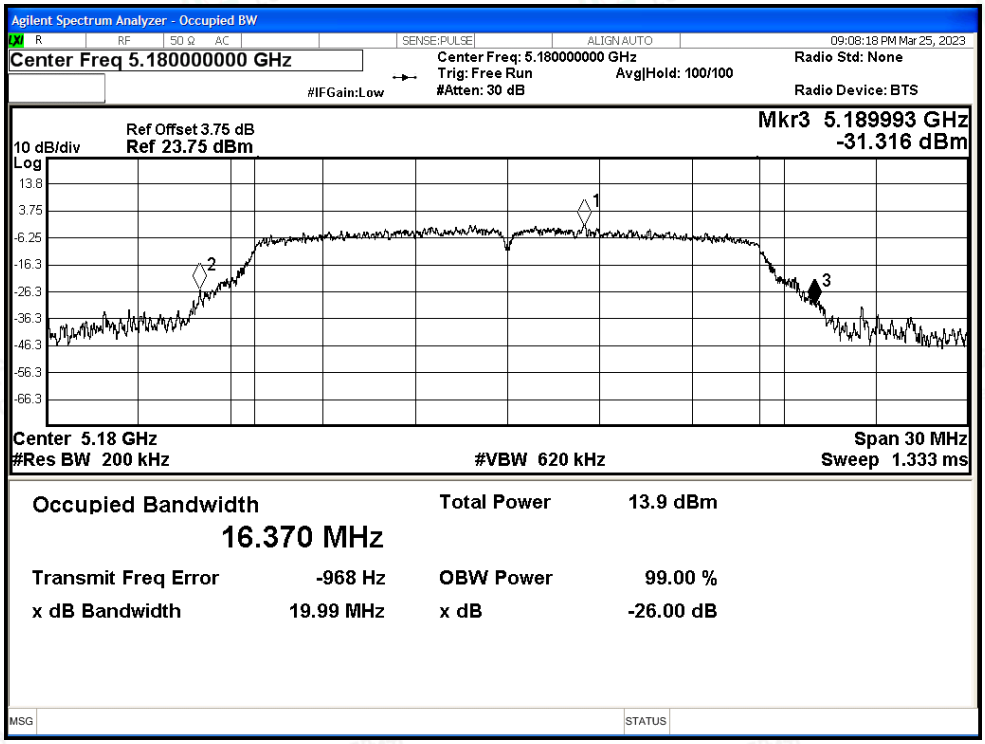
-26dB Bandwidth NVNT ac80 5210MHz Ant0



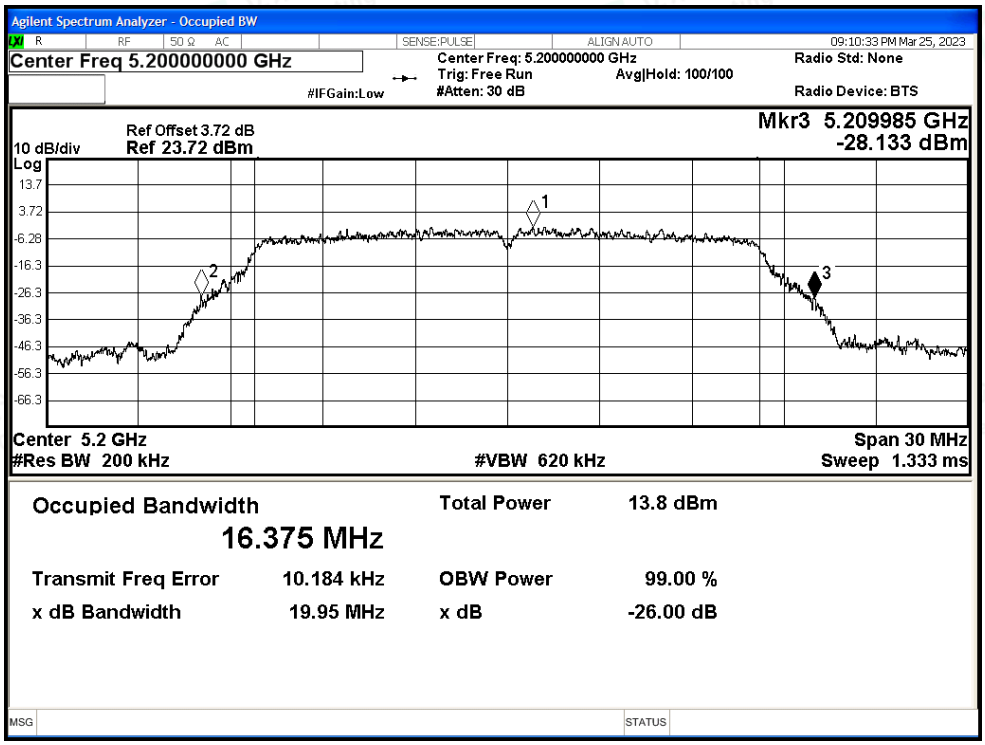
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.989	Pass
NVNT	a	5200	Ant1	19.949	Pass
NVNT	a	5240	Ant1	19.637	Pass
NVNT	n20	5180	Ant1	20.186	Pass
NVNT	n20	5200	Ant1	19.884	Pass
NVNT	n20	5240	Ant1	20.27	Pass
NVNT	n40	5190	Ant1	39.938	Pass
NVNT	n40	5230	Ant1	40.124	Pass
NVNT	ac20	5180	Ant1	19.902	Pass
NVNT	ac20	5200	Ant1	19.876	Pass
NVNT	ac20	5240	Ant1	19.931	Pass
NVNT	ac40	5190	Ant1	40.678	Pass
NVNT	ac40	5230	Ant1	40.311	Pass
NVNT	ac80	5210	Ant1	80.357	Pass

Test Graphs

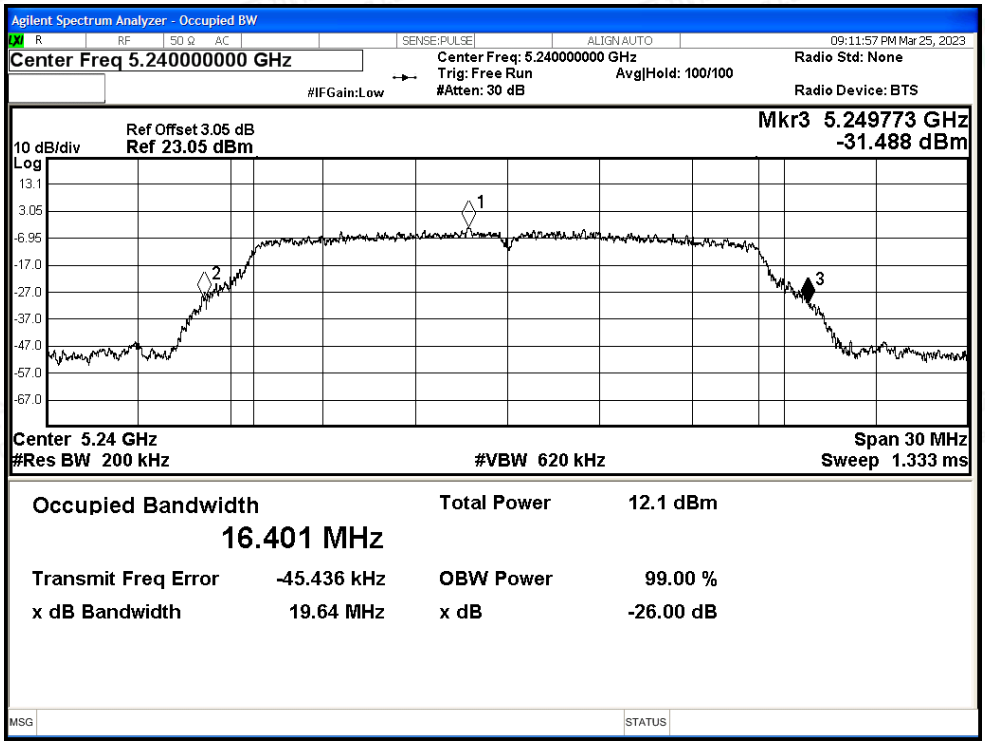
-26dB Bandwidth NVNT a 5180MHz Ant1



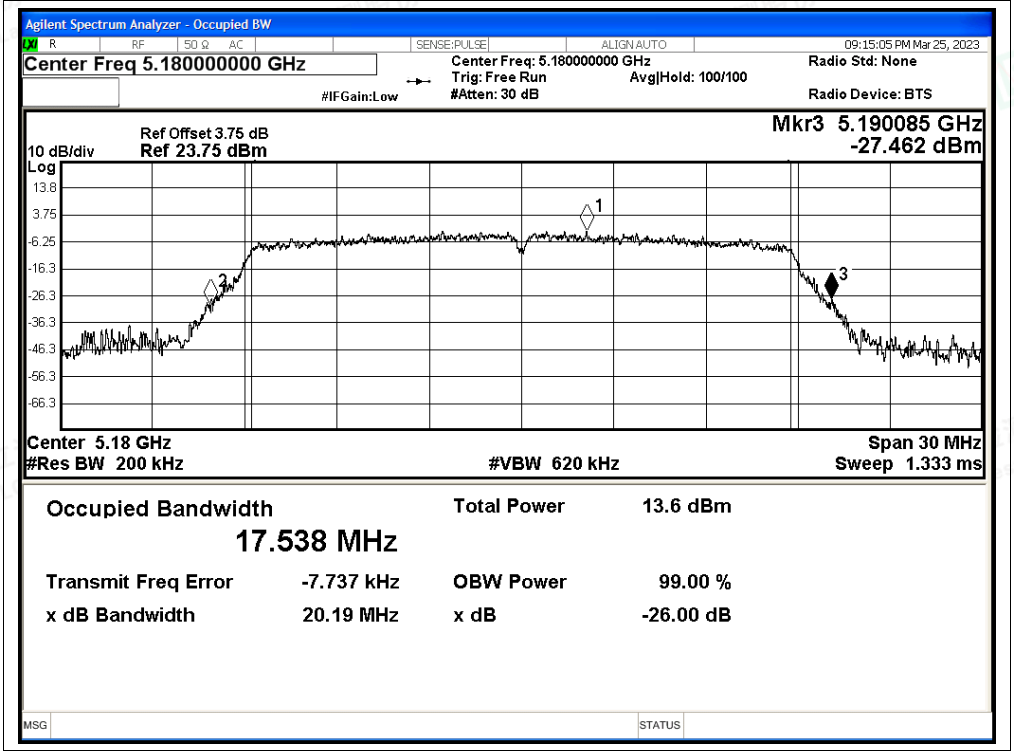
-26dB Bandwidth NVNT a 5200MHz Ant1



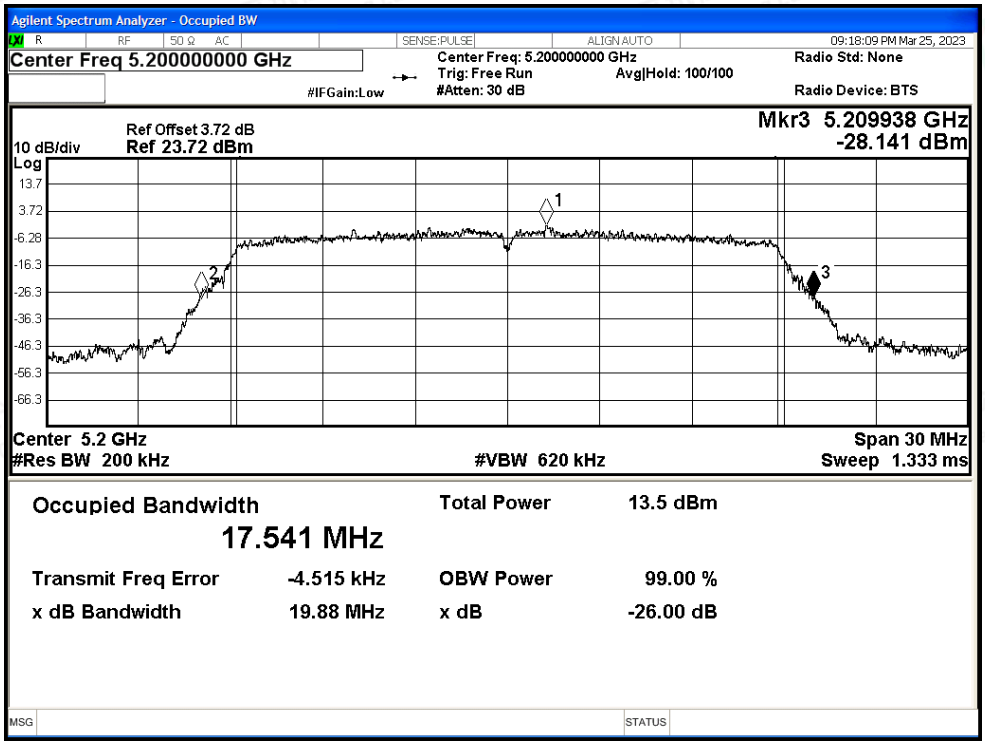
-26dB Bandwidth NVNT a 5240MHz Ant1



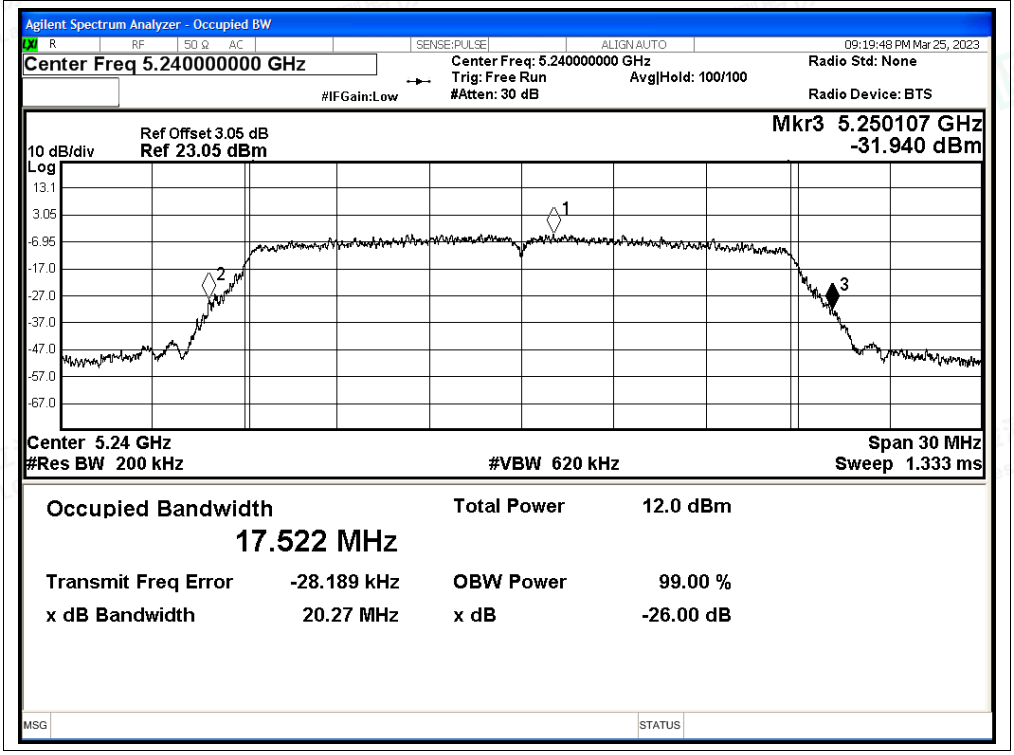
-26dB Bandwidth NVNT n20 5180MHz Ant1



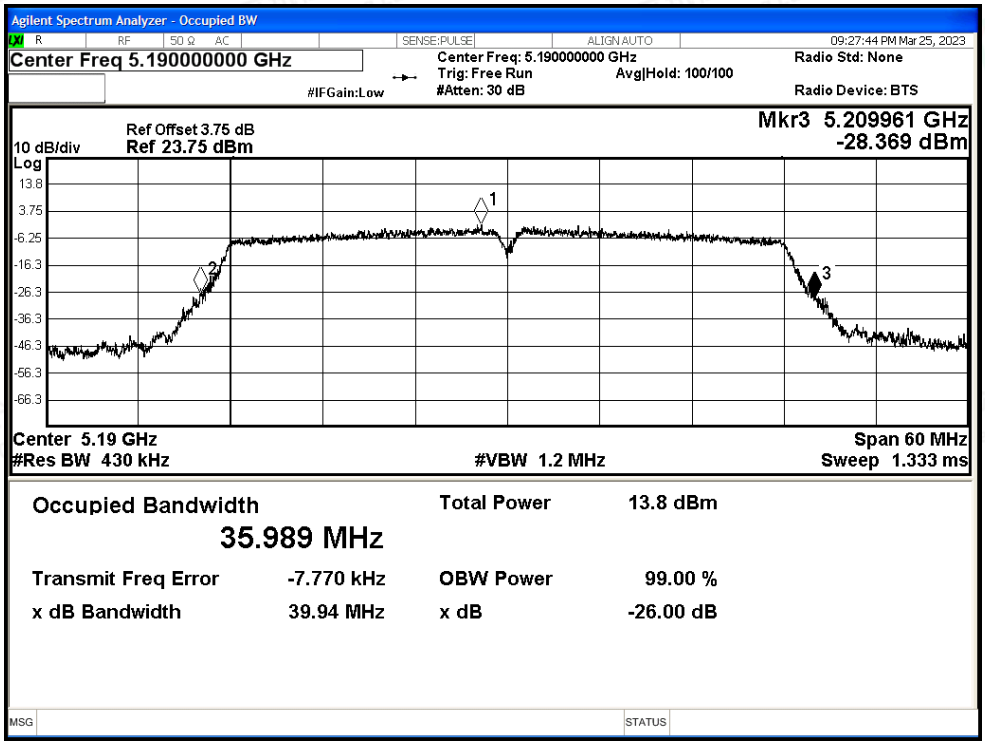
-26dB Bandwidth NVNT n20 5200MHz Ant1



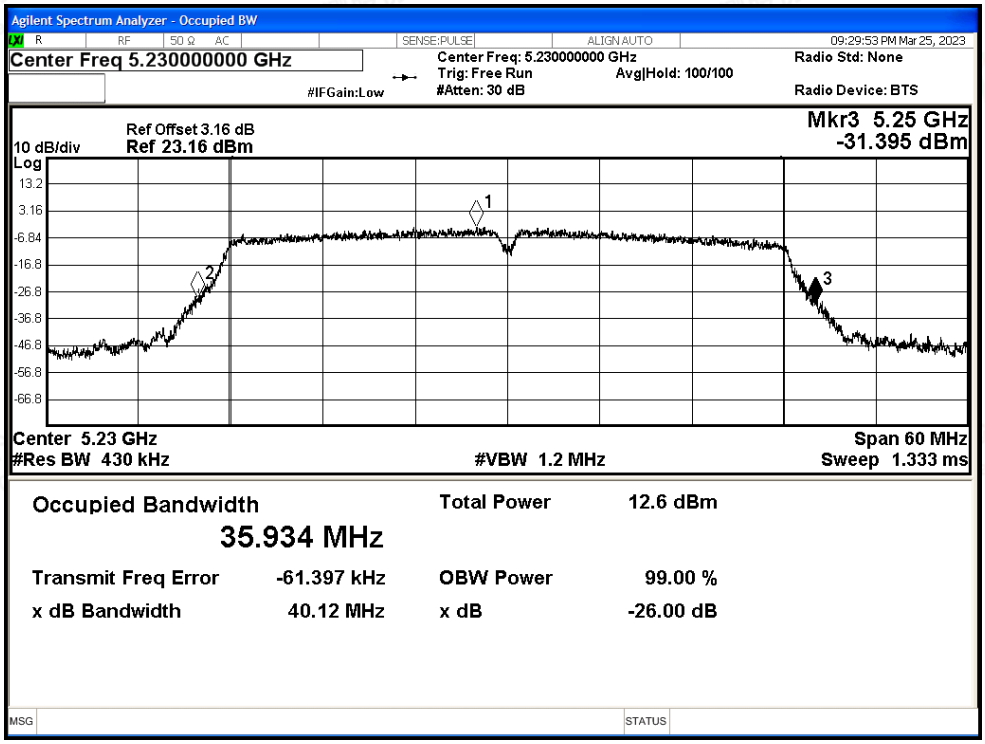
-26dB Bandwidth NVNT n20 5240MHz Ant1



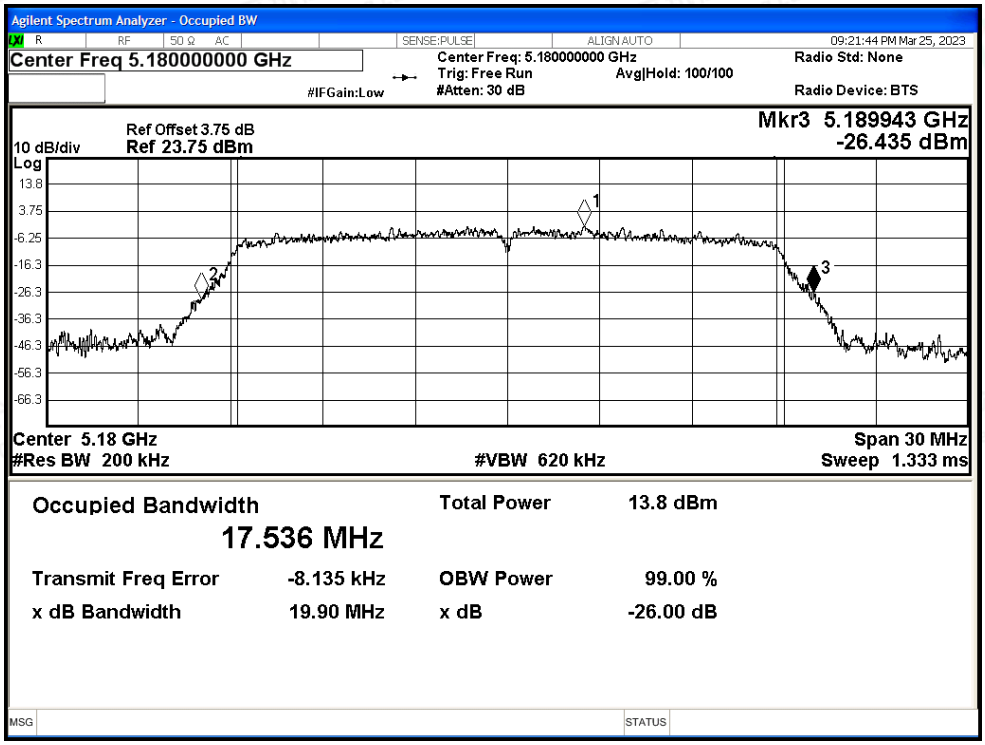
-26dB Bandwidth NVNT n40 5190MHz Ant1



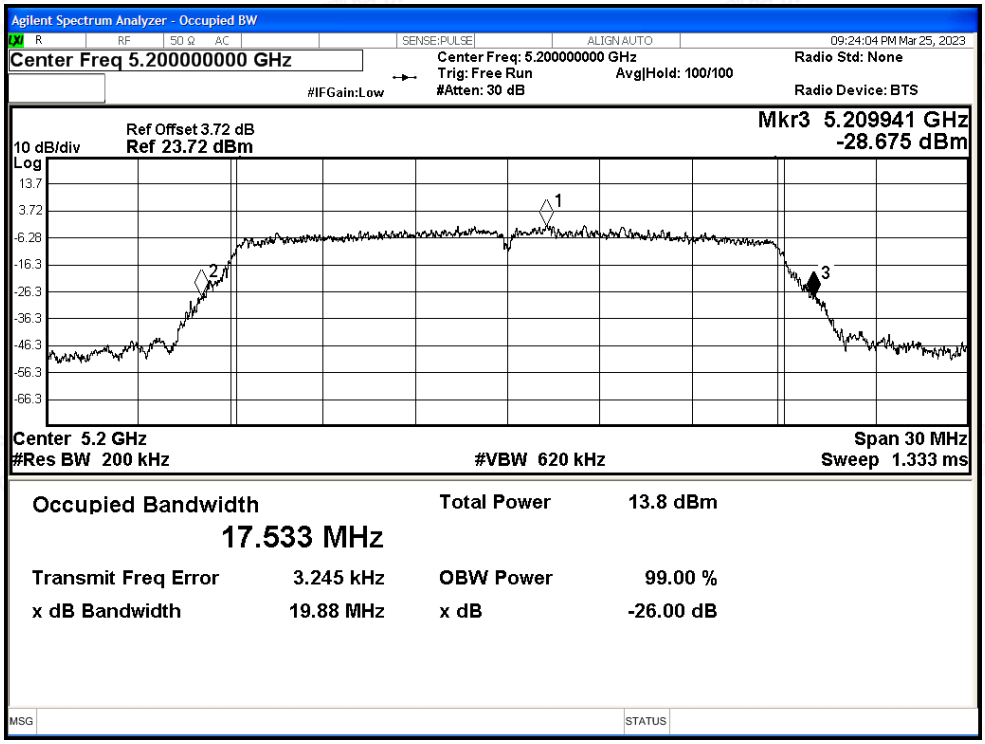
-26dB Bandwidth NVNT n40 5230MHz Ant1



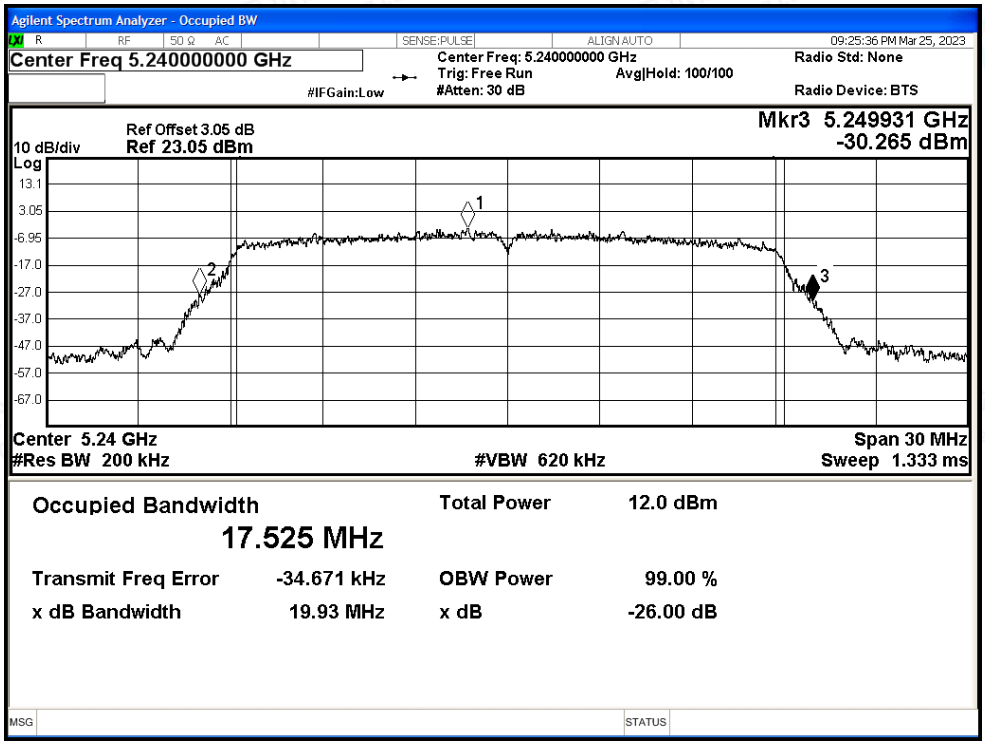
-26dB Bandwidth NVNT ac20 5180MHz Ant1



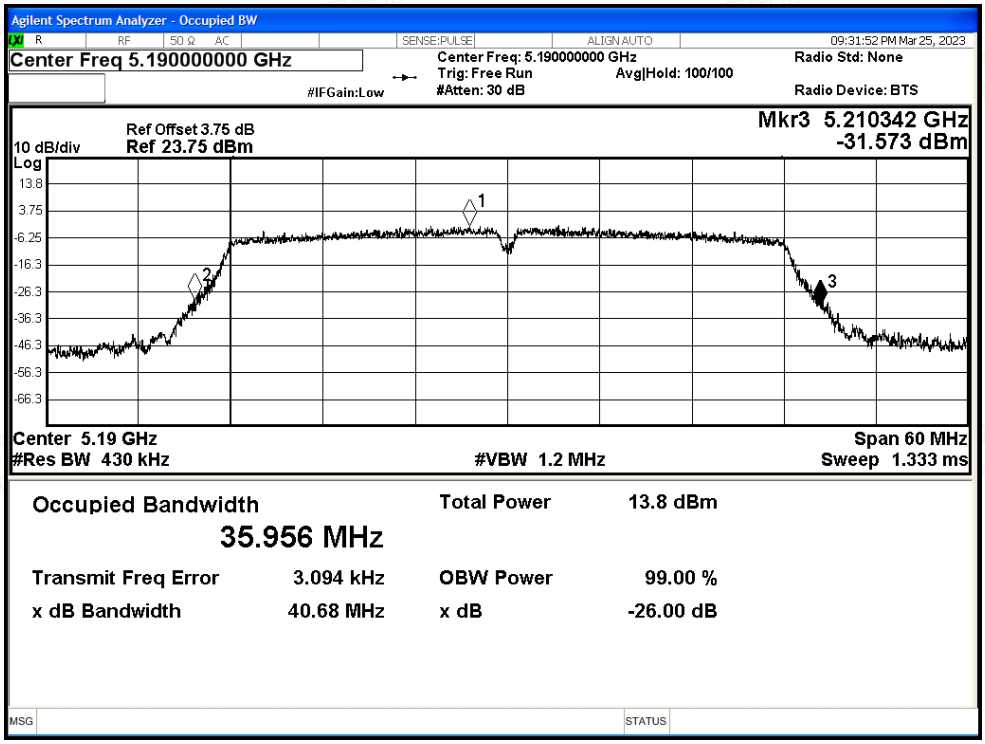
-26dB Bandwidth NVNT ac20 5200MHz Ant1



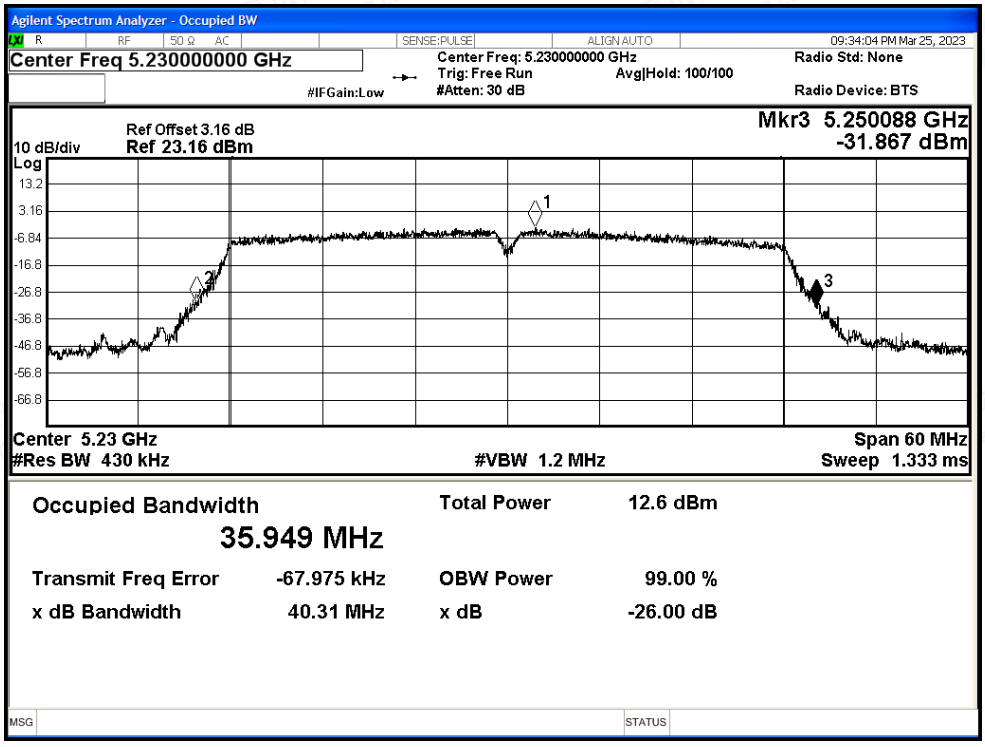
-26dB Bandwidth NVNT ac20 5240MHz Ant1



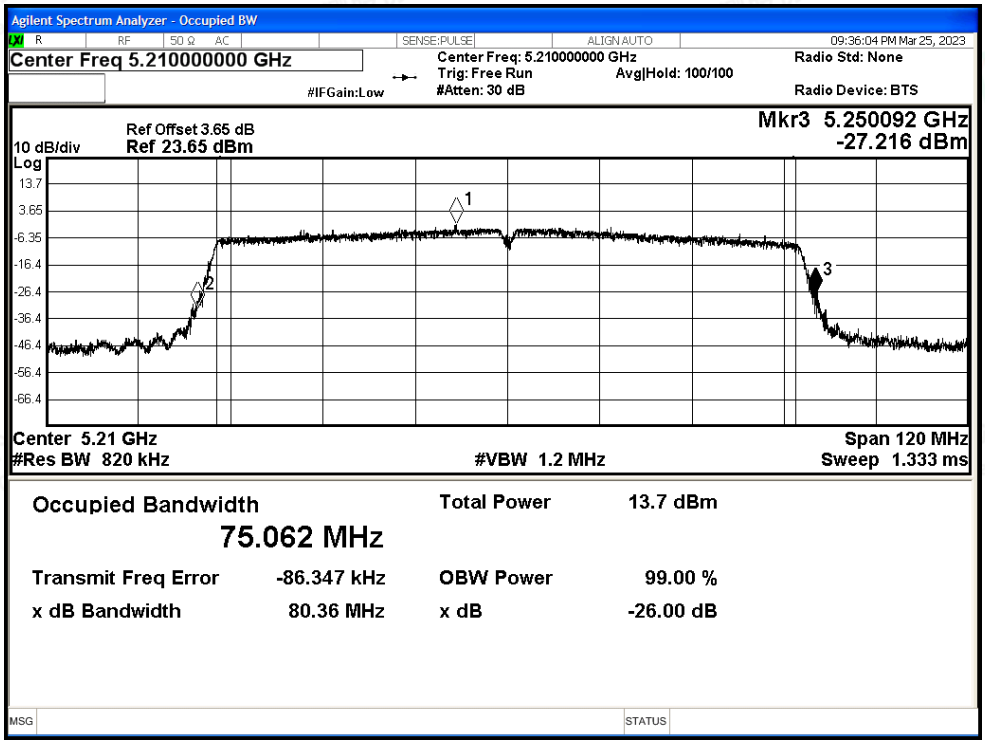
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



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	Ant0	6.15	0.13	6.28	24	Pass
NVNT	a	5200	Ant0	6.09	0.14	6.23	24	Pass
NVNT	a	5240	Ant0	6.57	0.14	6.71	24	Pass
NVNT	n20	5180	Ant0	5.66	0.14	5.8	24	Pass
NVNT	n20	5200	Ant0	6.02	0.15	6.17	24	Pass
NVNT	n20	5240	Ant0	6.26	0.14	6.4	24	Pass
NVNT	n40	5190	Ant0	6.39	0.28	6.67	24	Pass
NVNT	n40	5230	Ant0	6.18	0.29	6.47	24	Pass
NVNT	ac20	5180	Ant0	6.08	0.15	6.23	24	Pass
NVNT	ac20	5200	Ant0	6.08	0.14	6.22	24	Pass
NVNT	ac20	5240	Ant0	5.56	0.14	5.7	24	Pass
NVNT	ac40	5190	Ant0	6.32	0.28	6.6	24	Pass
NVNT	ac40	5230	Ant0	5.95	0.28	6.23	24	Pass
NVNT	ac80	5210	Ant0	6.78	0.55	7.33	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.12	0.14	6.26	24	Pass
NVNT	a	5200	Ant1	6.48	0.13	6.61	24	Pass
NVNT	a	5240	Ant1	6.68	0.13	6.81	24	Pass
NVNT	n20	5180	Ant1	7.08	0.14	7.22	24	Pass
NVNT	n20	5200	Ant1	6.53	0.14	6.67	24	Pass
NVNT	n20	5240	Ant1	6.97	0.14	7.11	24	Pass
NVNT	n40	5190	Ant1	6.54	0.29	6.83	24	Pass
NVNT	n40	5230	Ant1	7.06	0.28	7.34	24	Pass
NVNT	ac20	5180	Ant1	6.46	0.14	6.6	24	Pass
NVNT	ac20	5200	Ant1	5.57	0.14	5.71	24	Pass
NVNT	ac20	5240	Ant1	6.41	0.15	6.56	24	Pass
NVNT	ac40	5190	Ant1	7.15	0.28	7.43	24	Pass
NVNT	ac40	5230	Ant1	5.42	0.28	5.7	24	Pass
NVNT	ac80	5210	Ant1	6.06	0.55	6.61	24	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5180	5.8	7.22	9.58	23.19	Pass
NVNT	n20	5200	6.17	6.67	9.44	23.19	Pass
NVNT	n20	5240	6.4	7.11	9.78	23.19	Pass
NVNT	n40	5190	6.67	6.83	9.76	23.19	Pass
NVNT	n40	5230	6.47	7.34	9.94	23.19	Pass
NVNT	ac20	5180	6.23	6.6	9.43	23.19	Pass
NVNT	ac20	5200	6.22	5.71	8.98	23.19	Pass
NVNT	ac20	5240	5.7	6.56	9.16	23.19	Pass
NVNT	ac40	5190	6.6	7.43	10.05	23.19	Pass
NVNT	ac40	5230	6.23	5.7	8.98	23.19	Pass
NVNT	ac80	5210	7.33	6.61	10.00	23.19	Pass

D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant0	-3.79	0.13	-3.66	11	Pass
NVNT	a	5200	Ant0	-3.82	0.14	-3.68	11	Pass
NVNT	a	5240	Ant0	-4.58	0.14	-4.44	11	Pass
NVNT	n20	5180	Ant0	-4.24	0.14	-4.10	11	Pass
NVNT	n20	5200	Ant0	-3.98	0.15	-3.83	11	Pass
NVNT	n20	5240	Ant0	-4.92	0.14	-4.78	11	Pass
NVNT	n40	5190	Ant0	-7.73	0.28	-7.45	11	Pass
NVNT	n40	5230	Ant0	-9.31	0.29	-9.02	11	Pass
NVNT	ac20	5180	Ant0	-4.06	0.15	-3.91	11	Pass
NVNT	ac20	5200	Ant0	-4.02	0.14	-3.88	11	Pass
NVNT	ac20	5240	Ant0	-4.82	0.14	-4.68	11	Pass
NVNT	ac40	5190	Ant0	-8.01	0.28	-7.73	11	Pass
NVNT	ac40	5230	Ant0	-10.06	0.28	-9.78	11	Pass
NVNT	ac80	5210	Ant0	-13.35	0.55	-12.80	11	Pass

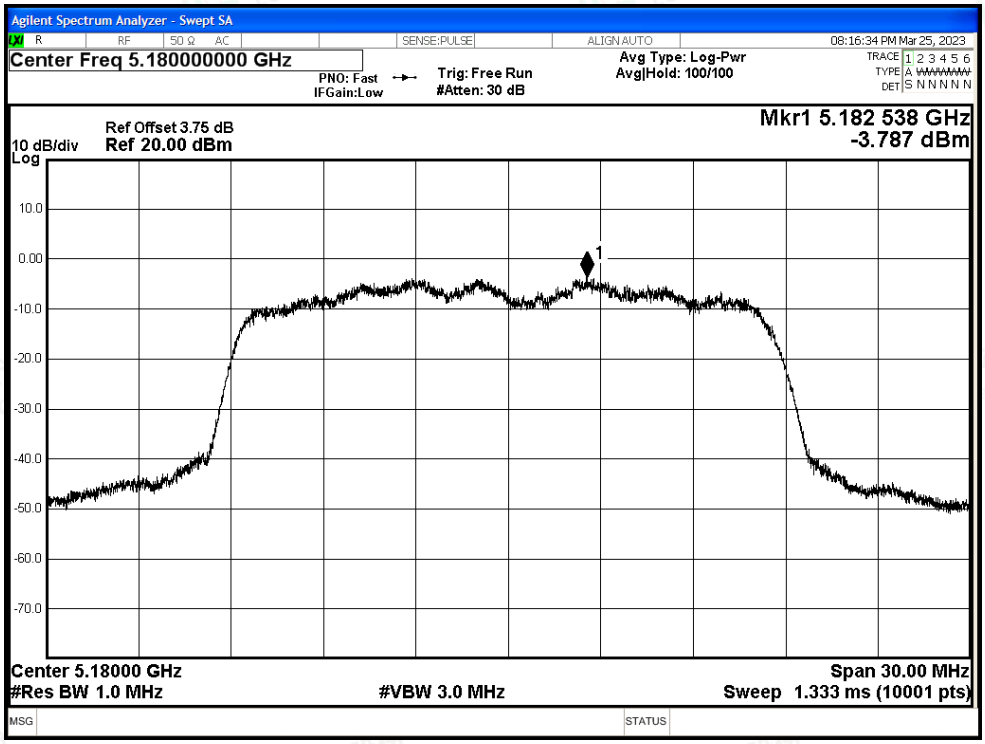
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-3.58	0.14	-3.44	11	Pass
NVNT	a	5200	Ant1	-3.64	0.13	-3.51	11	Pass
NVNT	a	5240	Ant1	-5.46	0.13	-5.33	11	Pass
NVNT	n20	5180	Ant1	-4.69	0.14	-4.55	11	Pass
NVNT	n20	5200	Ant1	-4.17	0.14	-4.03	11	Pass
NVNT	n20	5240	Ant1	-6.08	0.14	-5.94	11	Pass
NVNT	n40	5190	Ant1	-9.12	0.29	-8.83	11	Pass
NVNT	n40	5230	Ant1	-9.52	0.28	-9.24	11	Pass
NVNT	ac20	5180	Ant1	-3.9	0.14	-3.76	11	Pass
NVNT	ac20	5200	Ant1	-4.67	0.14	-4.53	11	Pass
NVNT	ac20	5240	Ant1	-5.46	0.15	-5.31	11	Pass
NVNT	ac40	5190	Ant1	-8.79	0.28	-8.51	11	Pass
NVNT	ac40	5230	Ant1	-10.05	0.28	-9.77	11	Pass
NVNT	ac80	5210	Ant1	-13.68	0.55	-13.13	11	Pass

MIMO

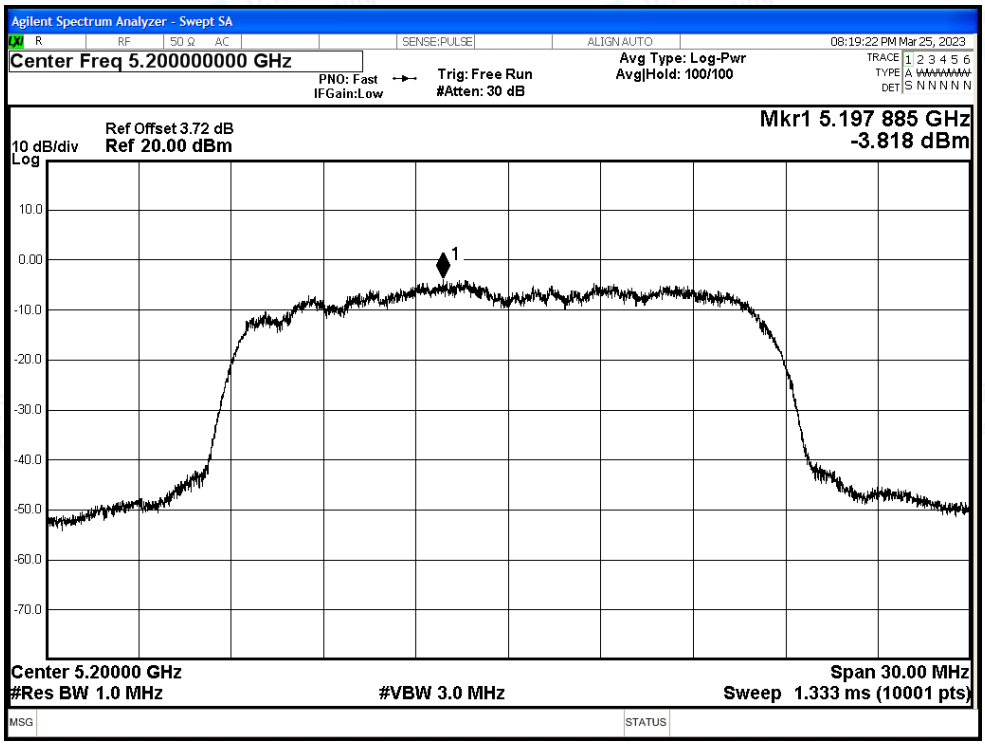
Condition	Mode	Frequency (MHz)	Total PSD (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5180	-4.10	-4.55	-1.31	10.19	Pass
NVNT	n20	5200	-3.83	-4.03	-0.92	10.19	Pass
NVNT	n20	5240	-4.78	-5.94	-2.31	10.19	Pass
NVNT	n40	5190	-7.45	-8.83	-5.08	10.19	Pass
NVNT	n40	5230	-9.02	-9.24	-6.12	10.19	Pass
NVNT	ac20	5180	-3.91	-3.76	-0.82	10.19	Pass
NVNT	ac20	5200	-3.88	-4.53	-1.18	10.19	Pass
NVNT	ac20	5240	-4.68	-5.31	-1.97	10.19	Pass
NVNT	ac40	5190	-7.73	-8.51	-5.09	10.19	Pass
NVNT	ac40	5230	-9.78	-9.77	-6.76	10.19	Pass
NVNT	ac80	5210	-12.80	-13.13	-9.95	10.19	Pass

Test Graphs

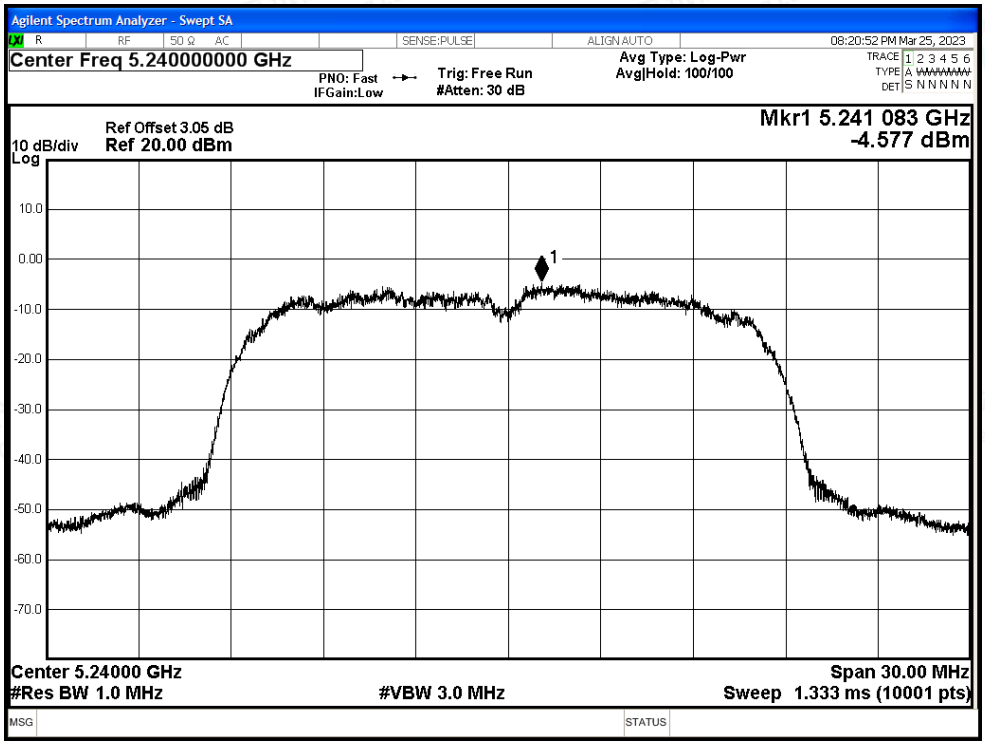
PSD NVNT a 5180MHz Ant0



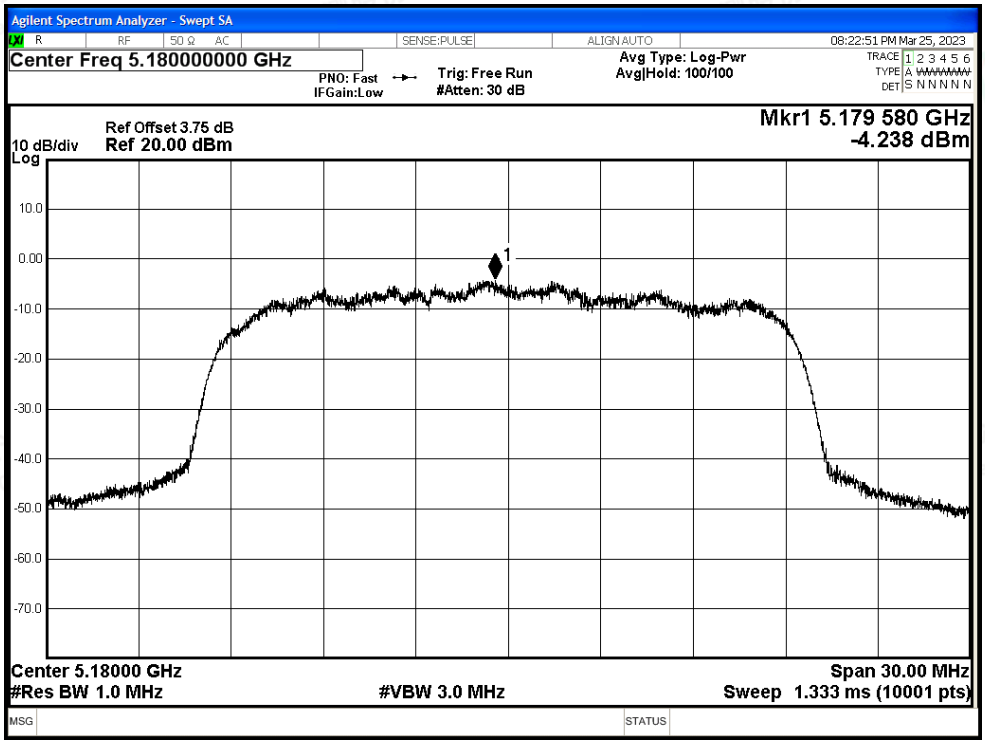
PSD NVNT a 5200MHz Ant0



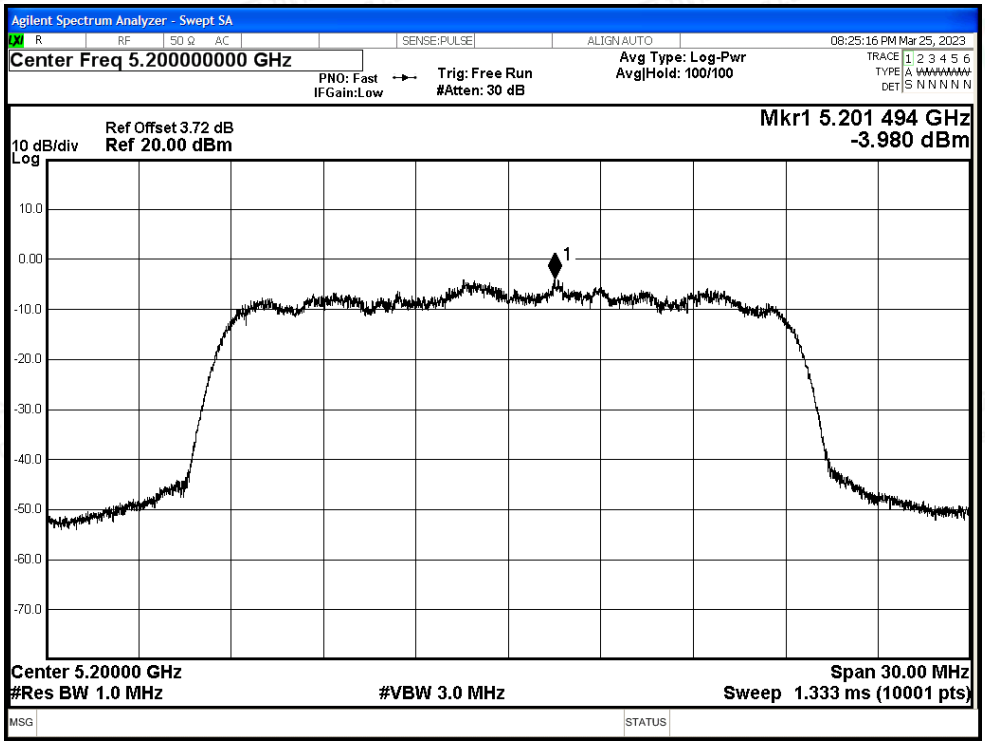
PSD NVNT a 5240MHz Ant0



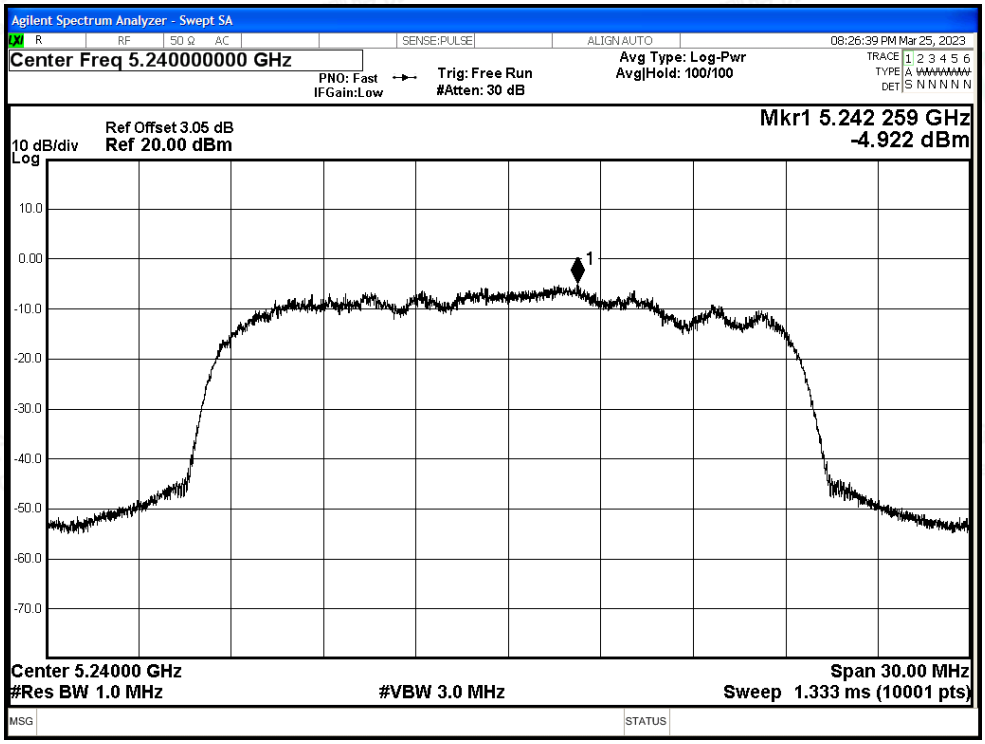
PSD NVNT n20 5180MHz Ant0



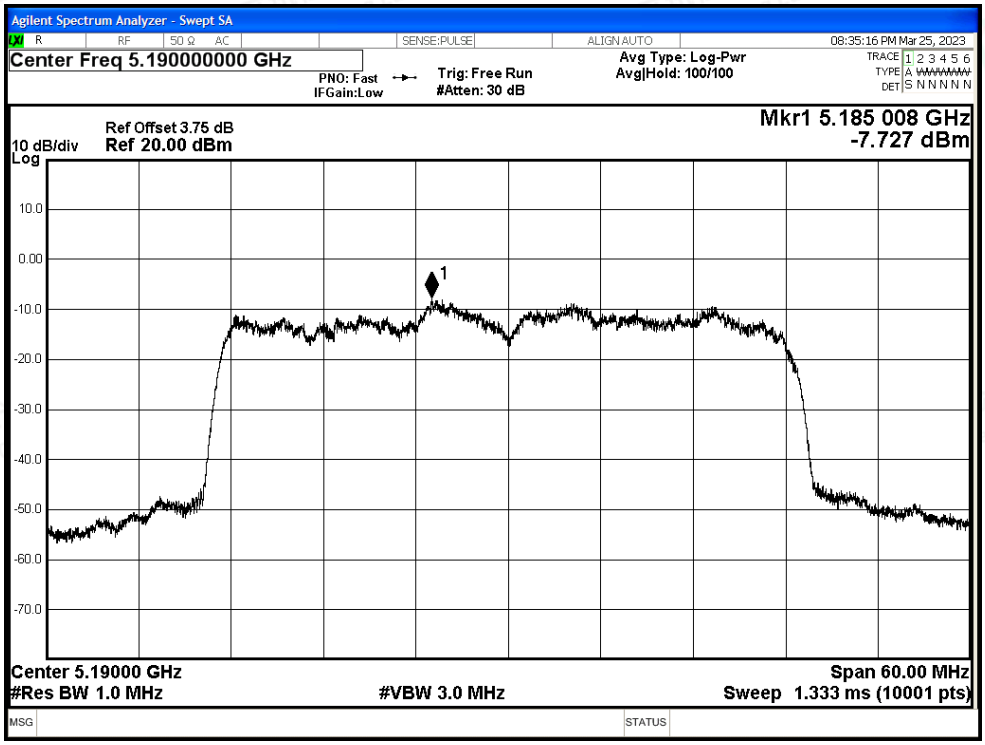
PSD NVNT n20 5200MHz Ant0



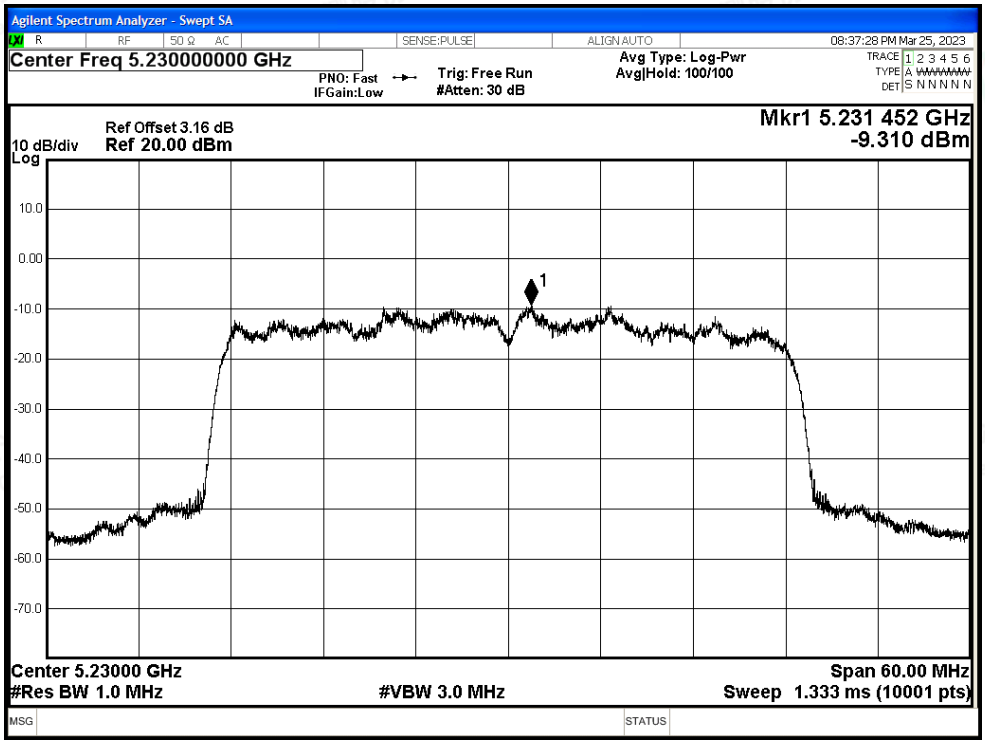
PSD NVNT n20 5240MHz Ant0



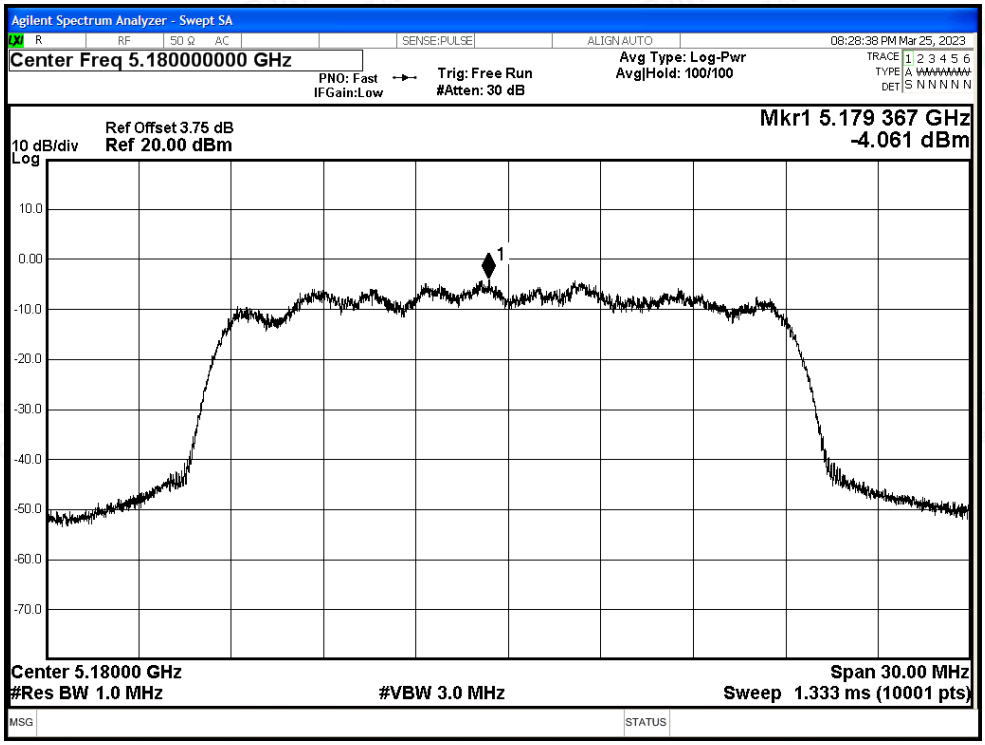
PSD NVNT n40 5190MHz Ant0



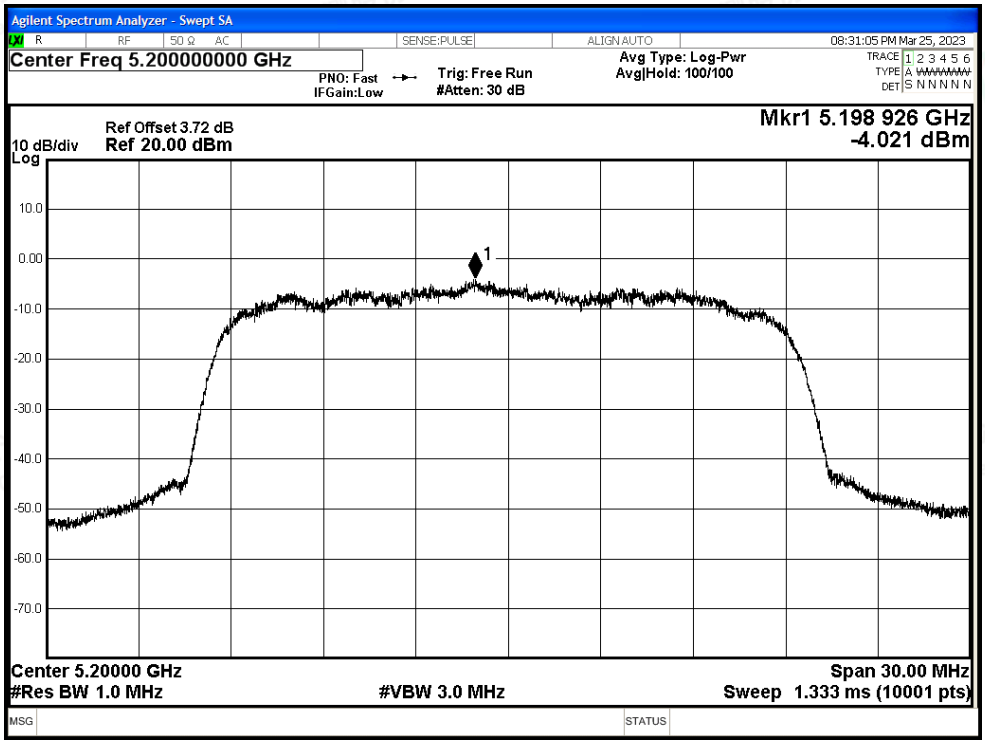
PSD NVNT n40 5230MHz Ant0



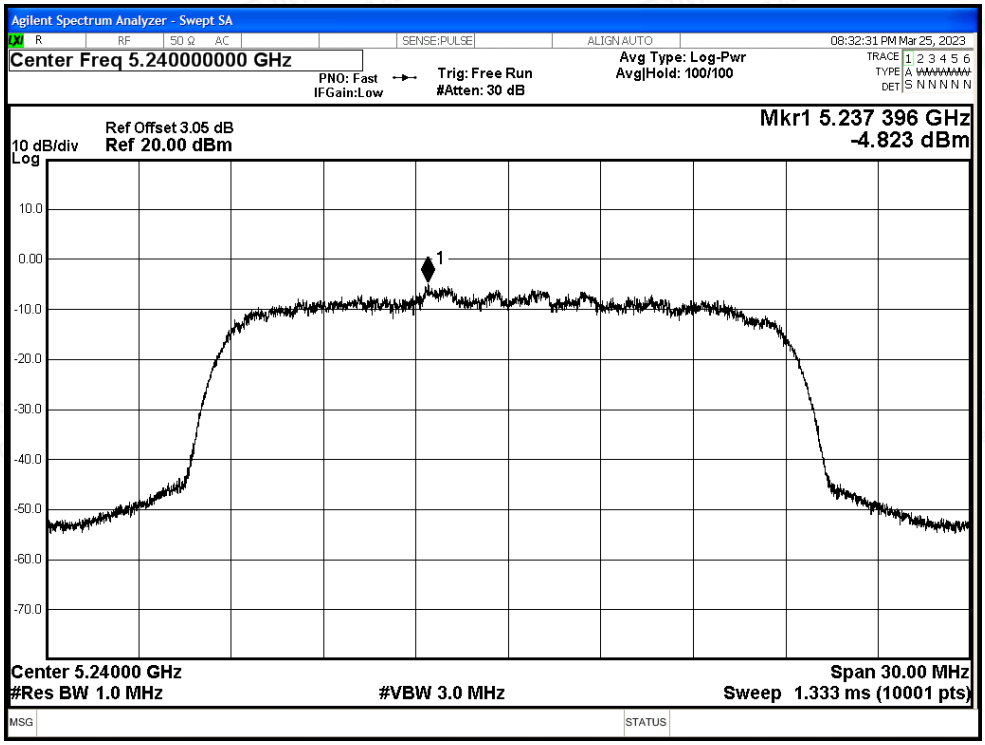
PSD NVNT ac20 5180MHz Ant0



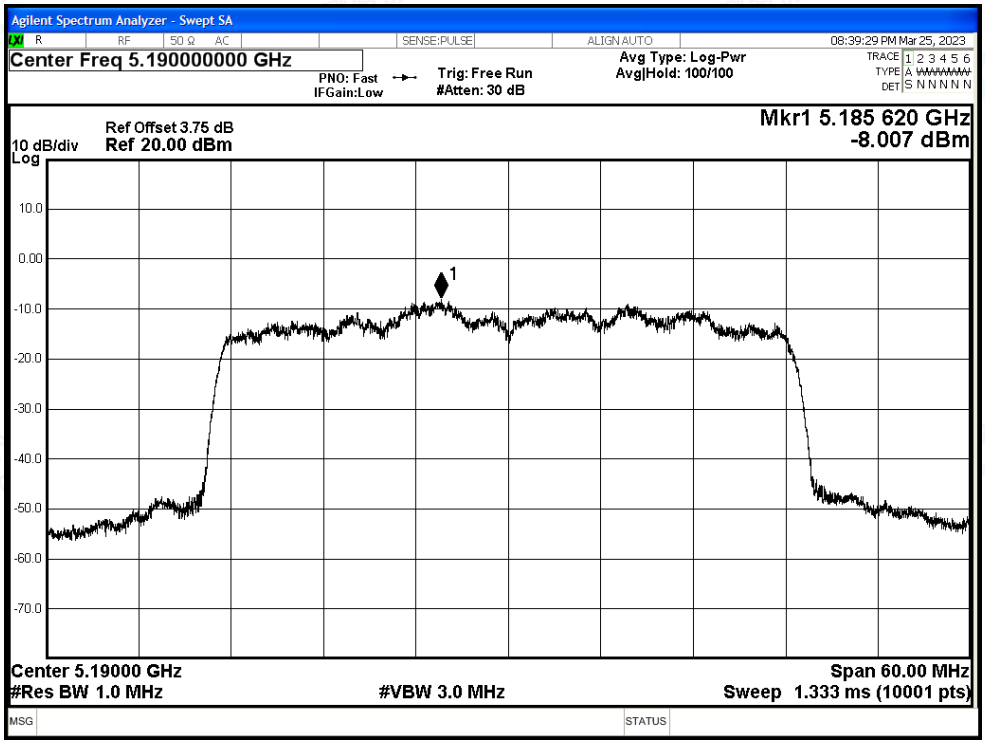
PSD NVNT ac20 5200MHz Ant0



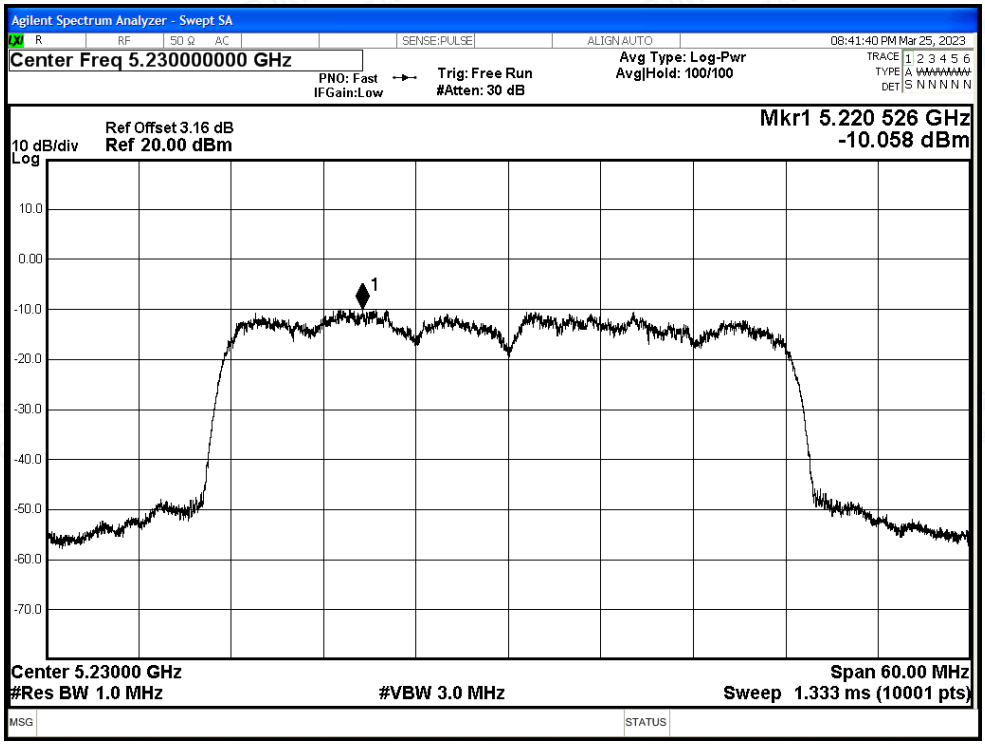
PSD NVNT ac20 5240MHz Ant0



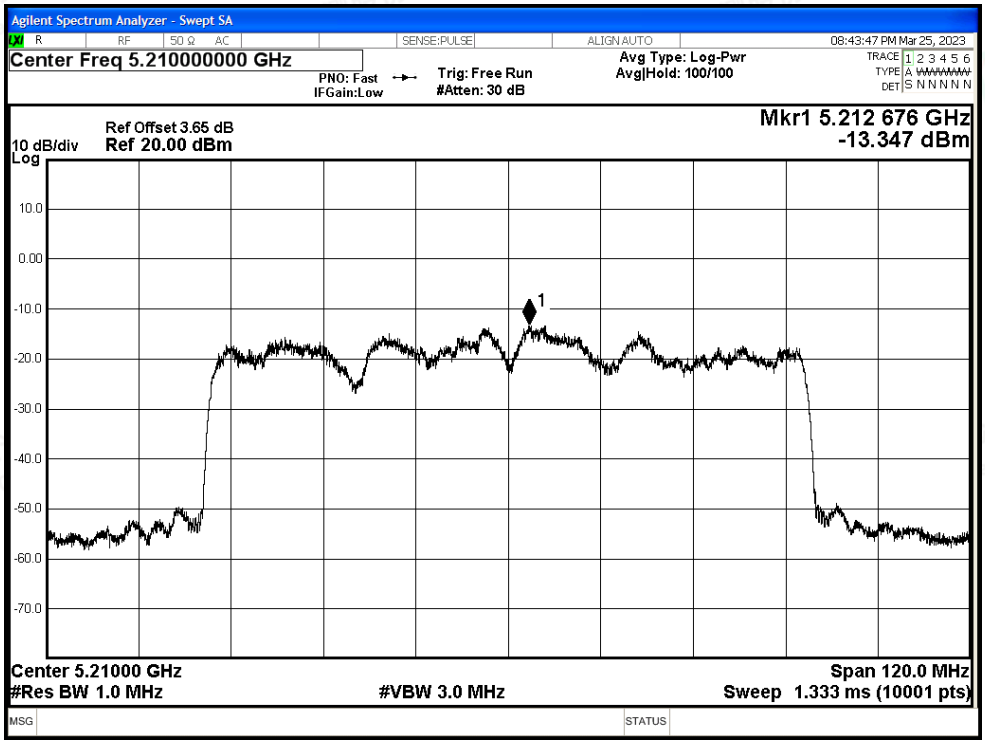
PSD NVNT ac40 5190MHz Ant0



PSD NVNT ac40 5230MHz Ant0

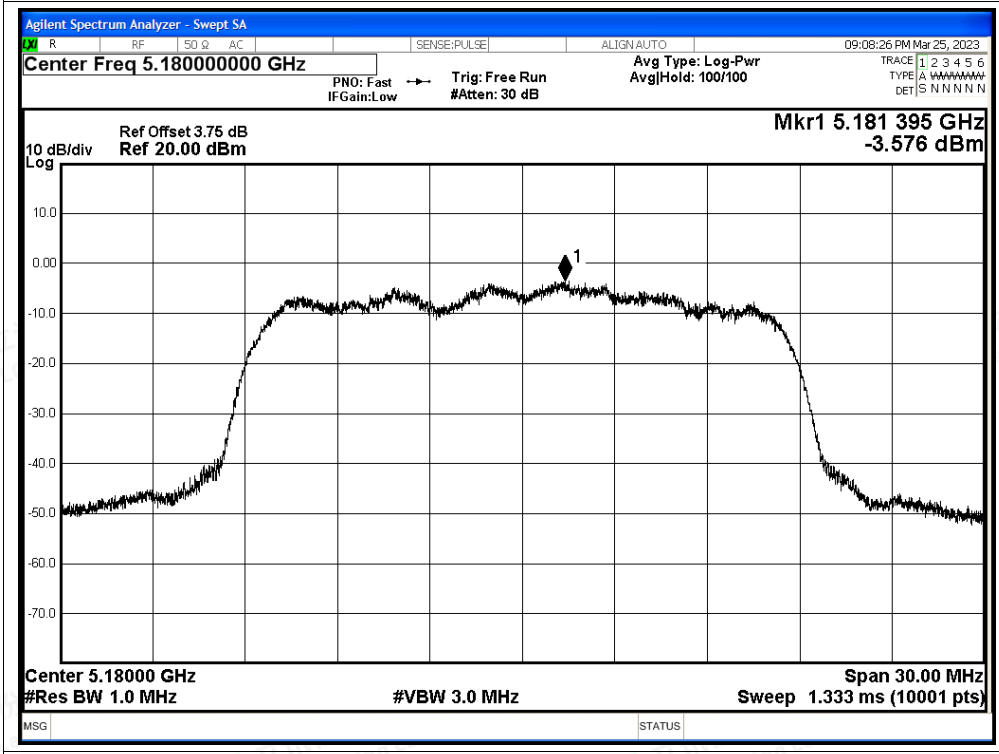


PSD NVNT ac80 5210MHz Ant0

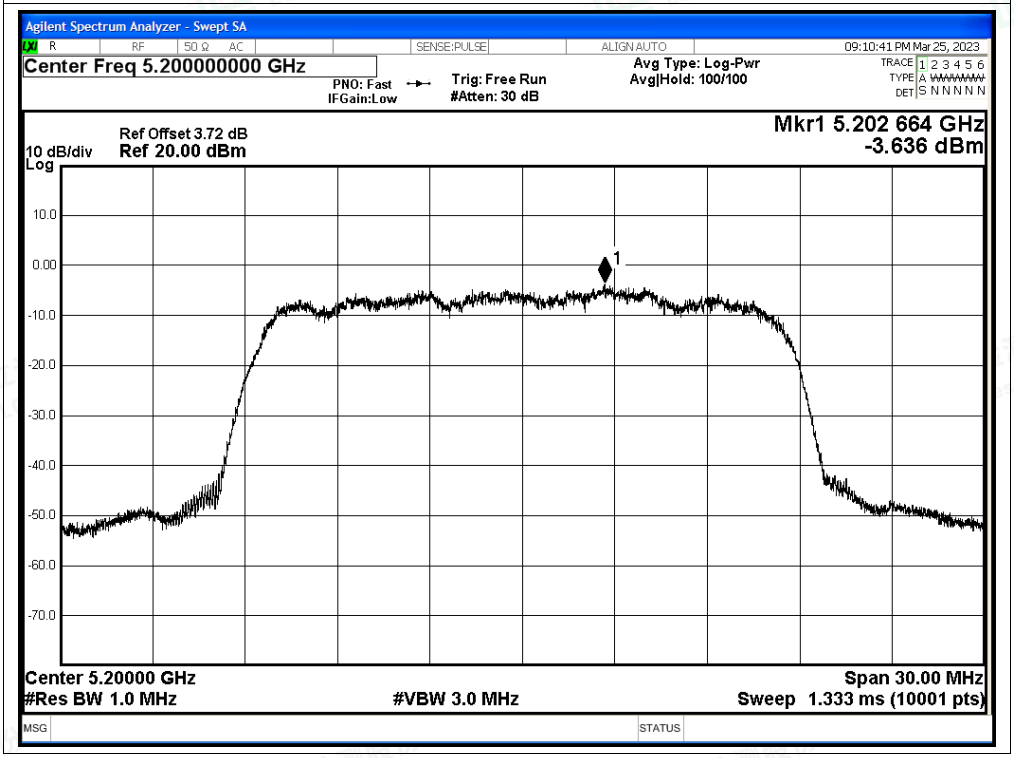


Test Graphs

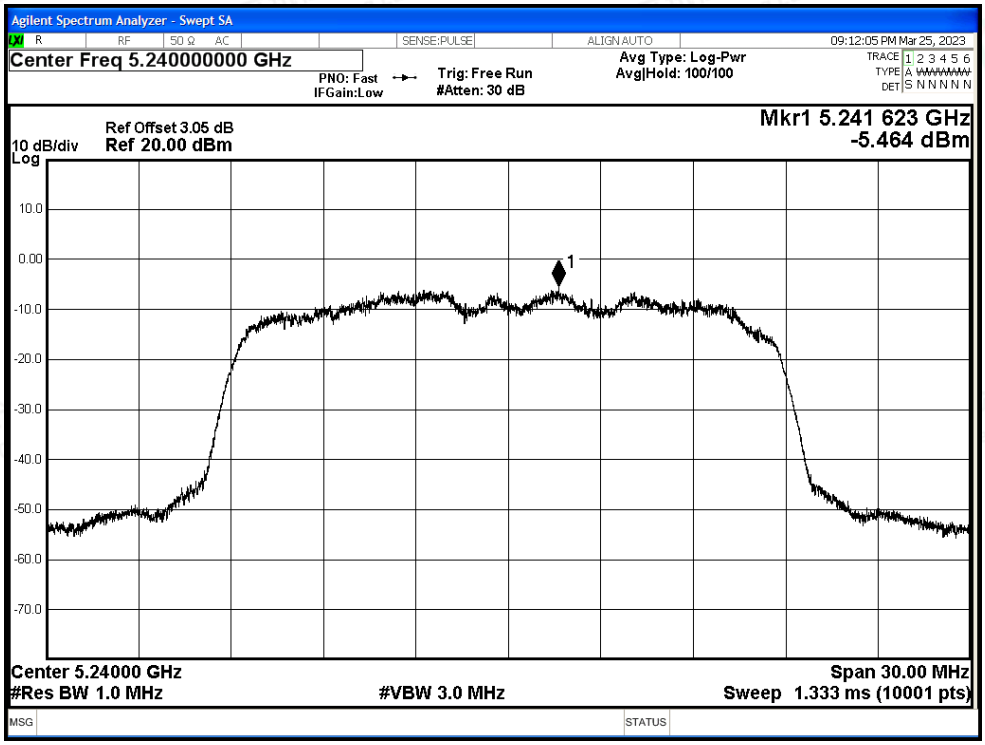
PSD NVNT a 5180MHz Ant1



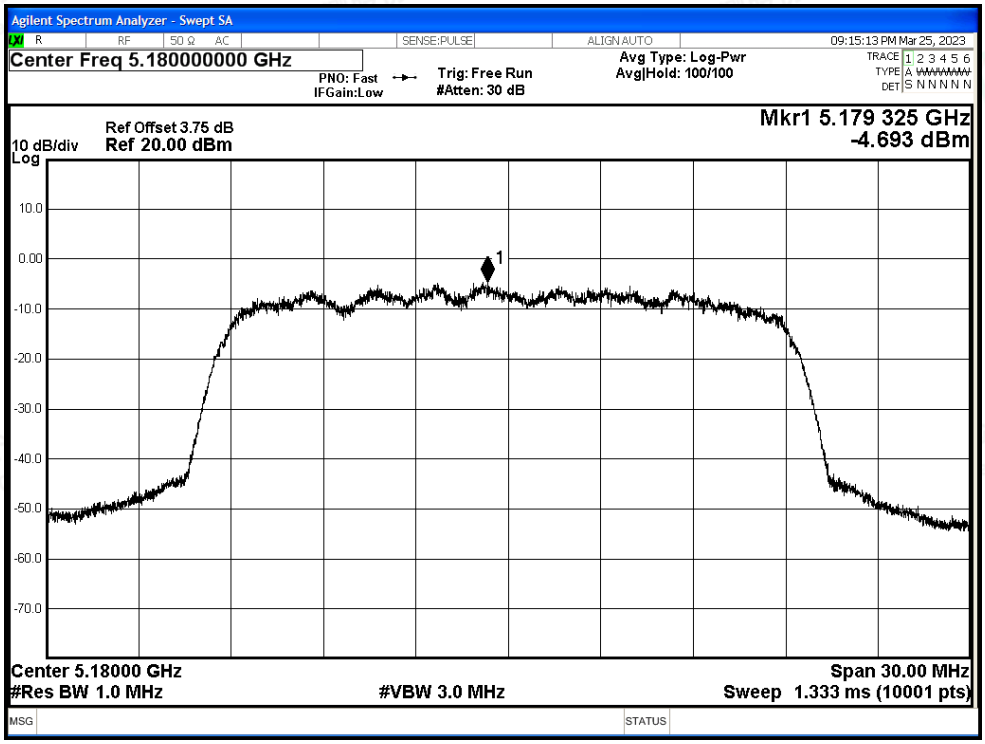
PSD NVNT a 5200MHz Ant1



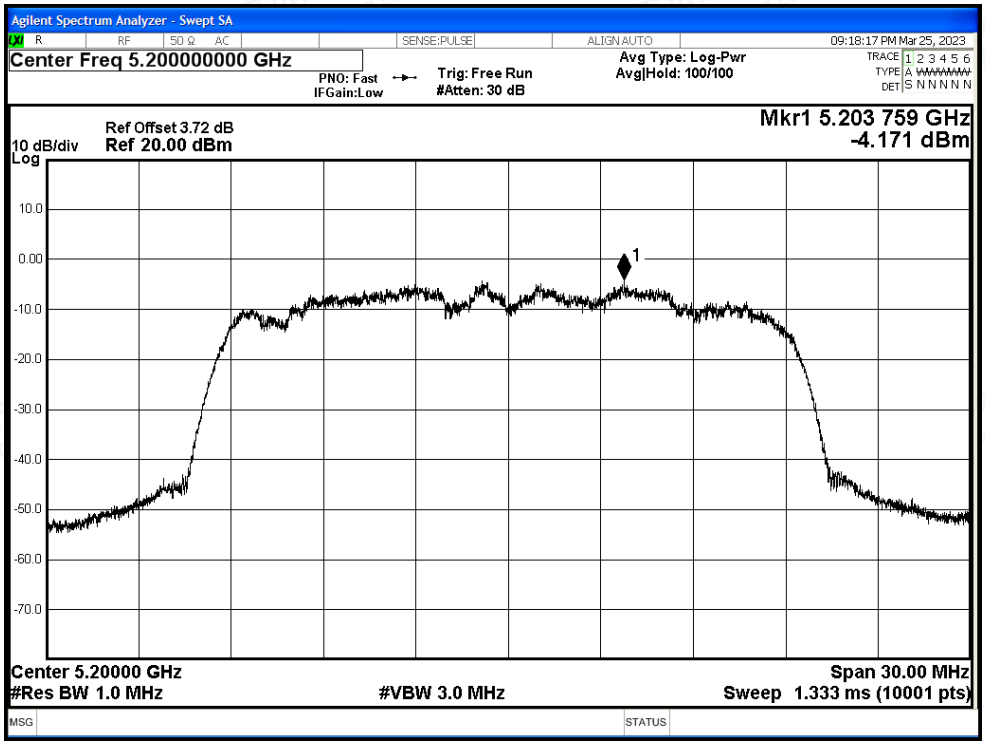
PSD NVNT a 5240MHz Ant1



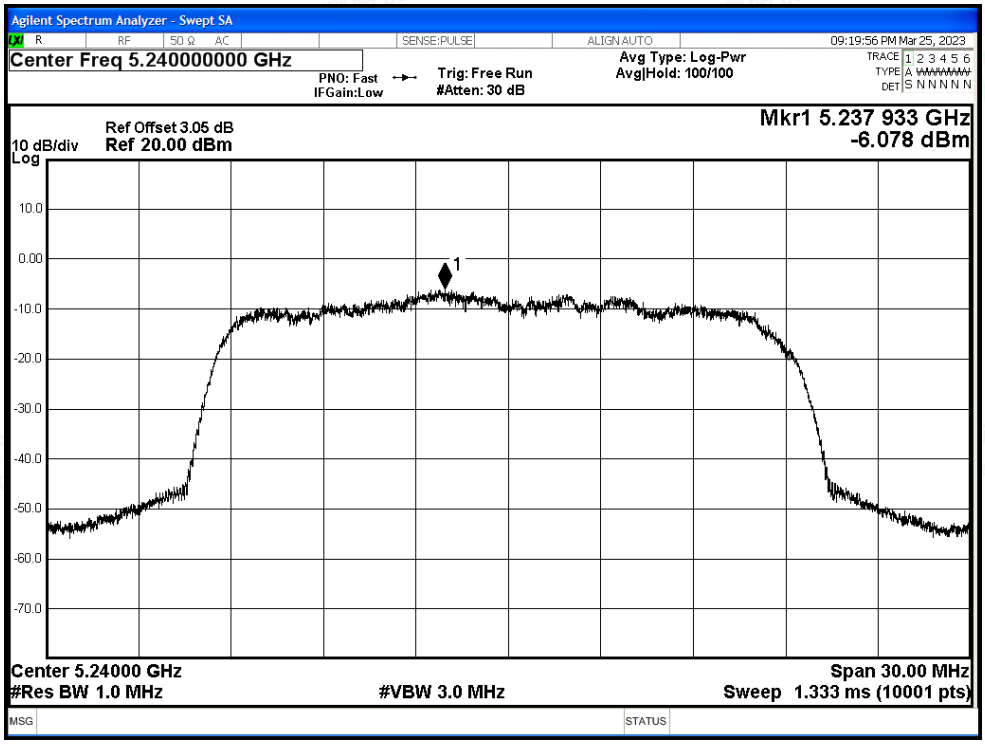
PSD NVNT n20 5180MHz Ant1



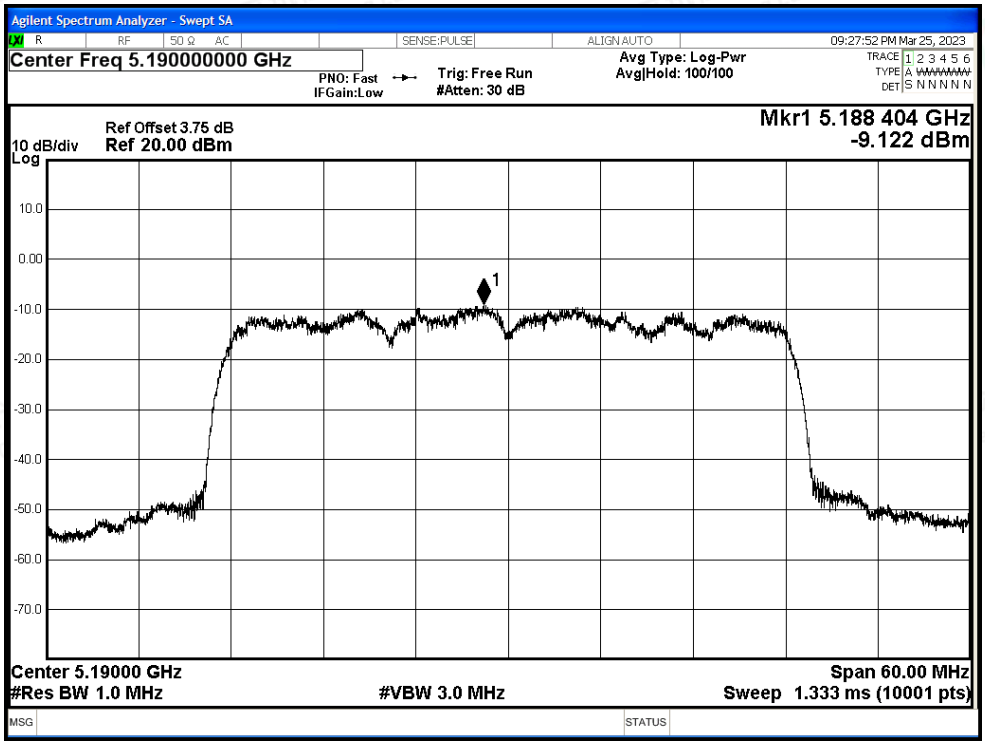
PSD NVNT n20 5200MHz Ant1



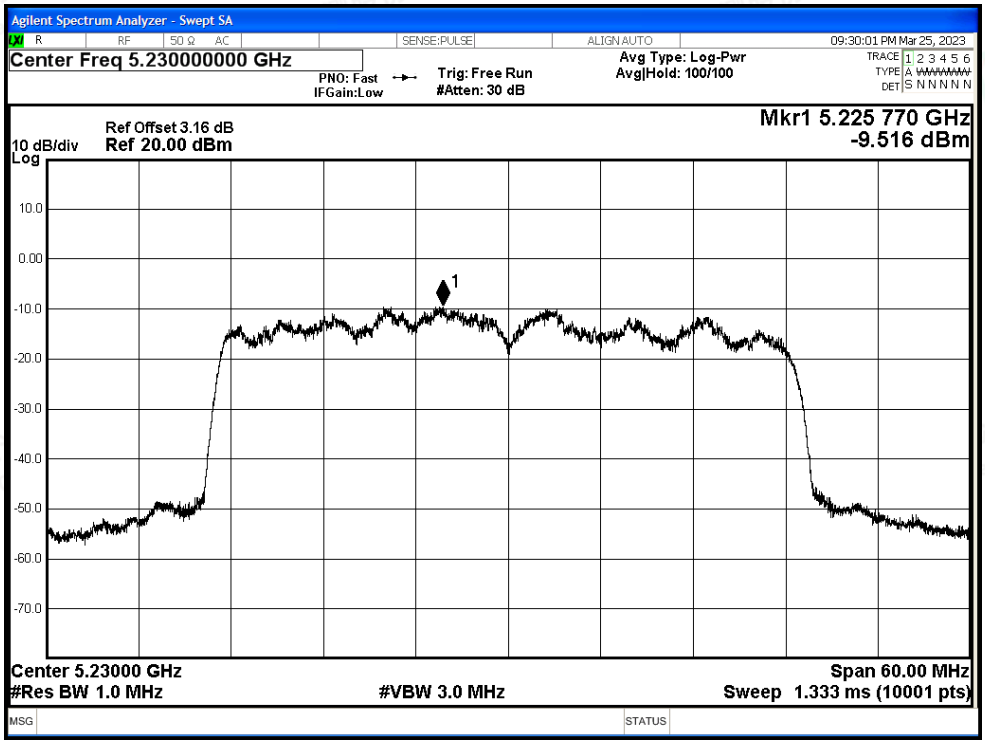
PSD NVNT n20 5240MHz Ant1



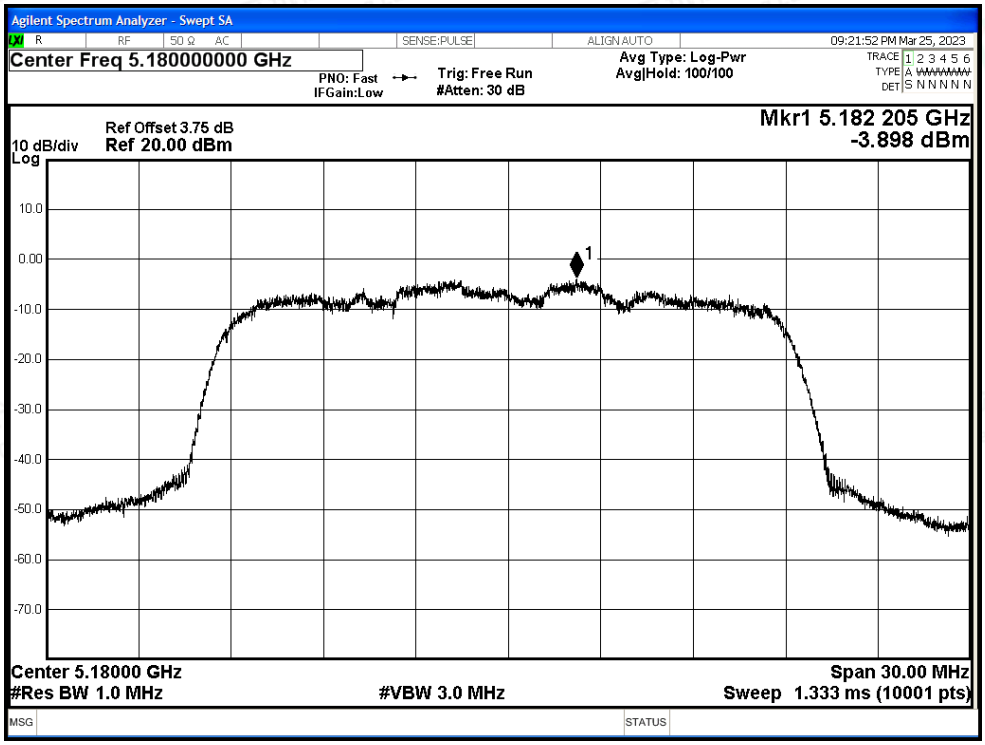
PSD NVNT n40 5190MHz Ant1



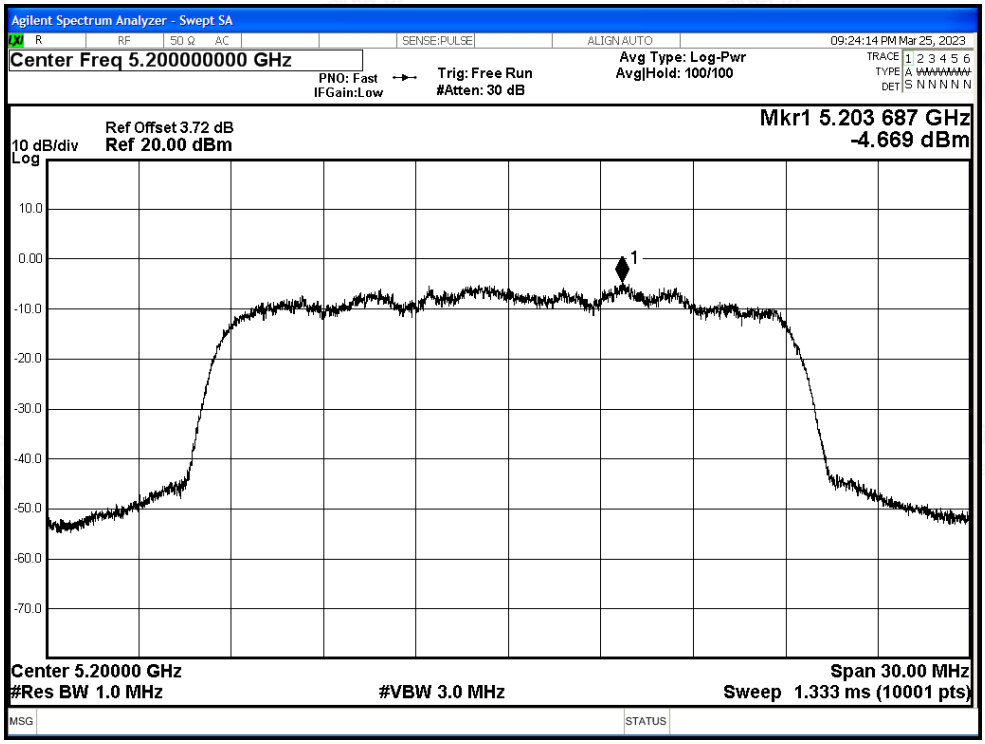
PSD NVNT n40 5230MHz Ant1



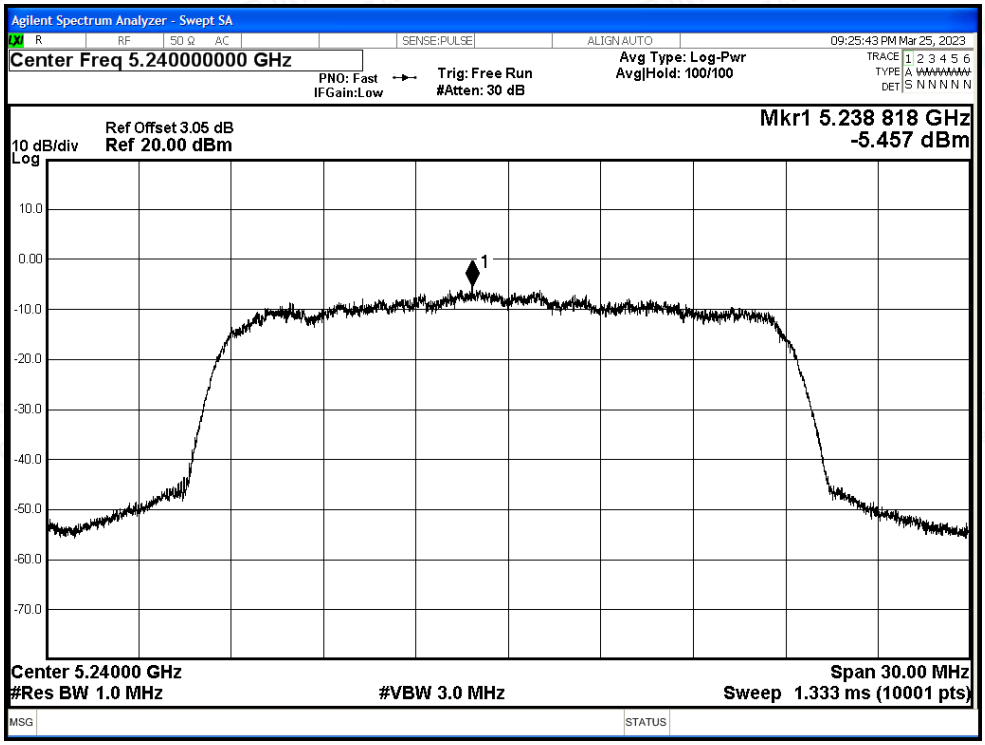
PSD NVNT ac20 5180MHz Ant1



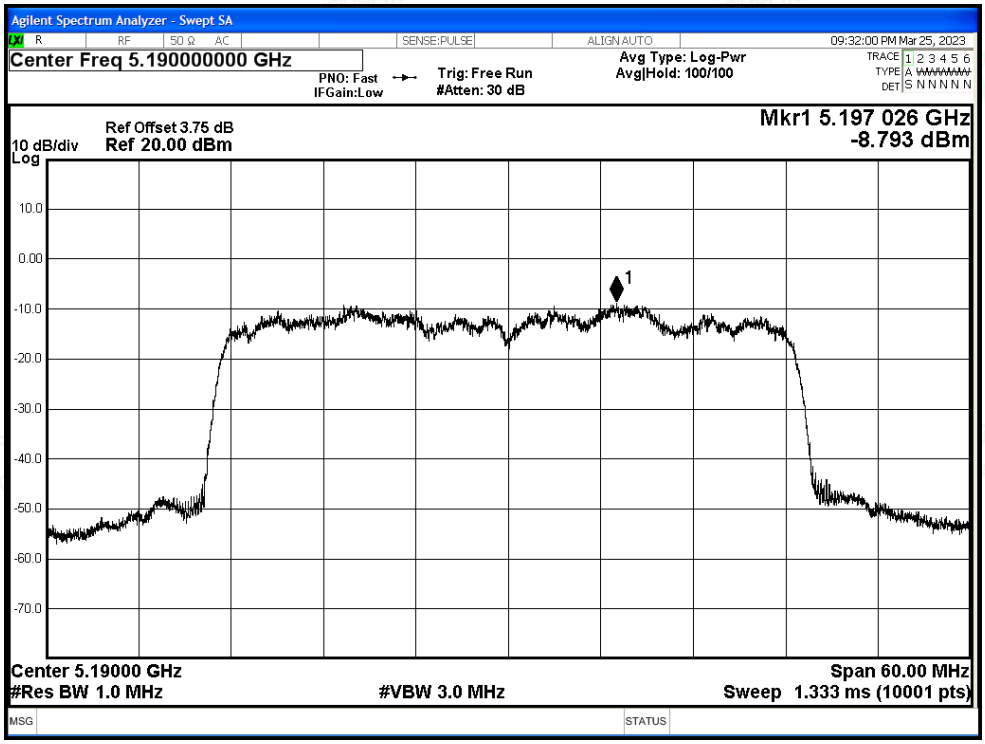
PSD NVNT ac20 5200MHz Ant1



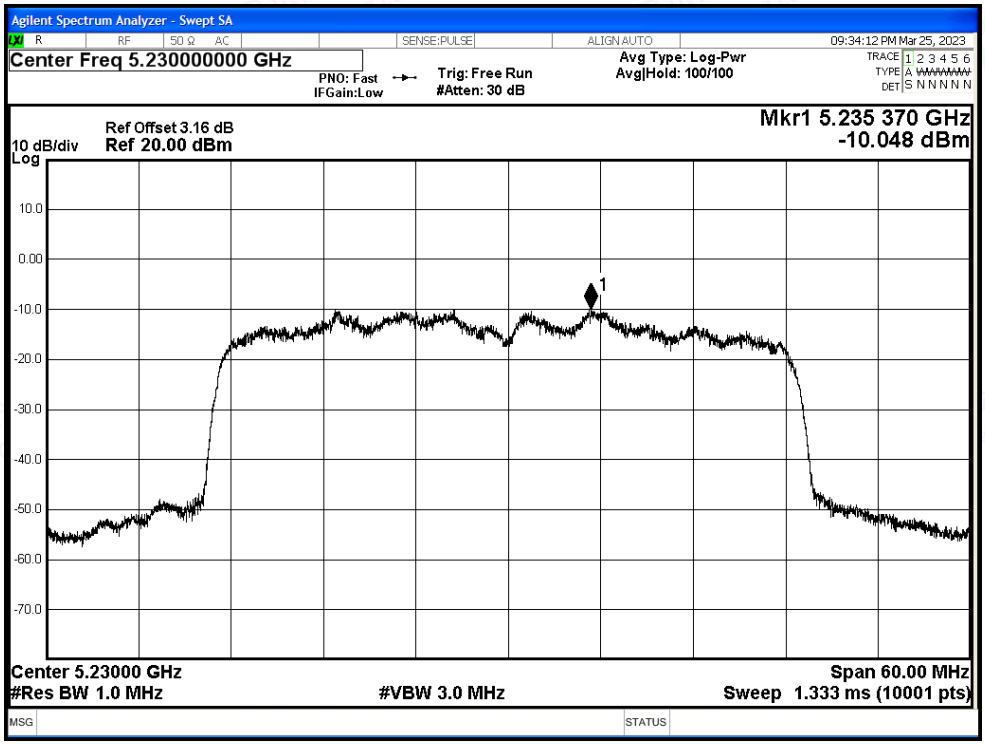
PSD NVNT ac20 5240MHz Ant1



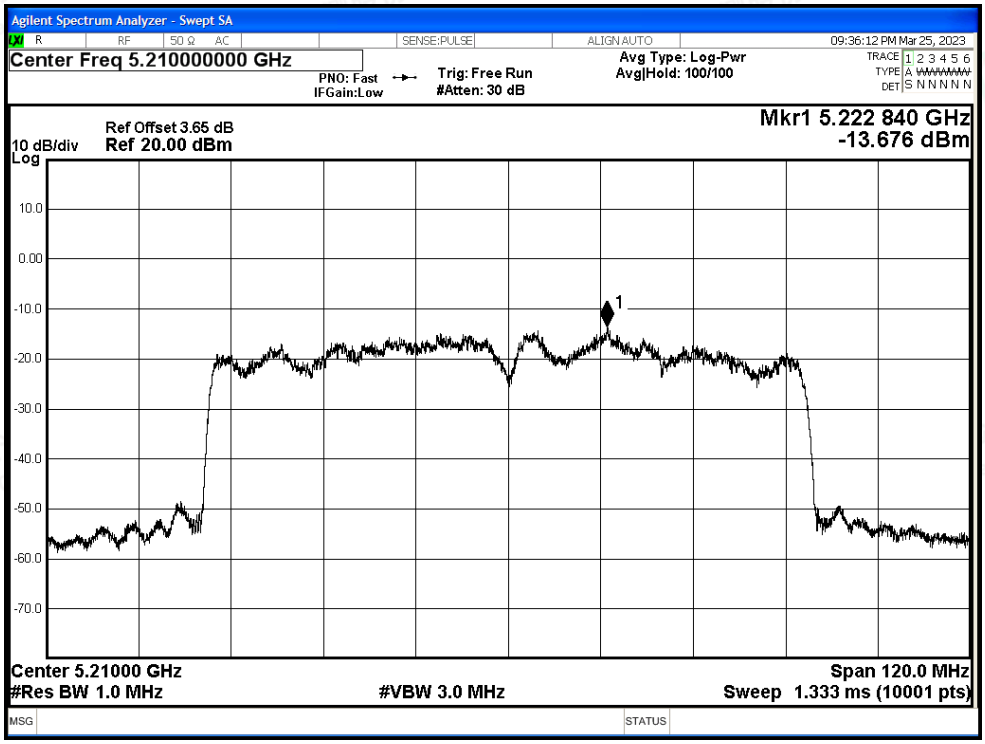
PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac80 5210MHz Ant1



D.4 Restrict Band

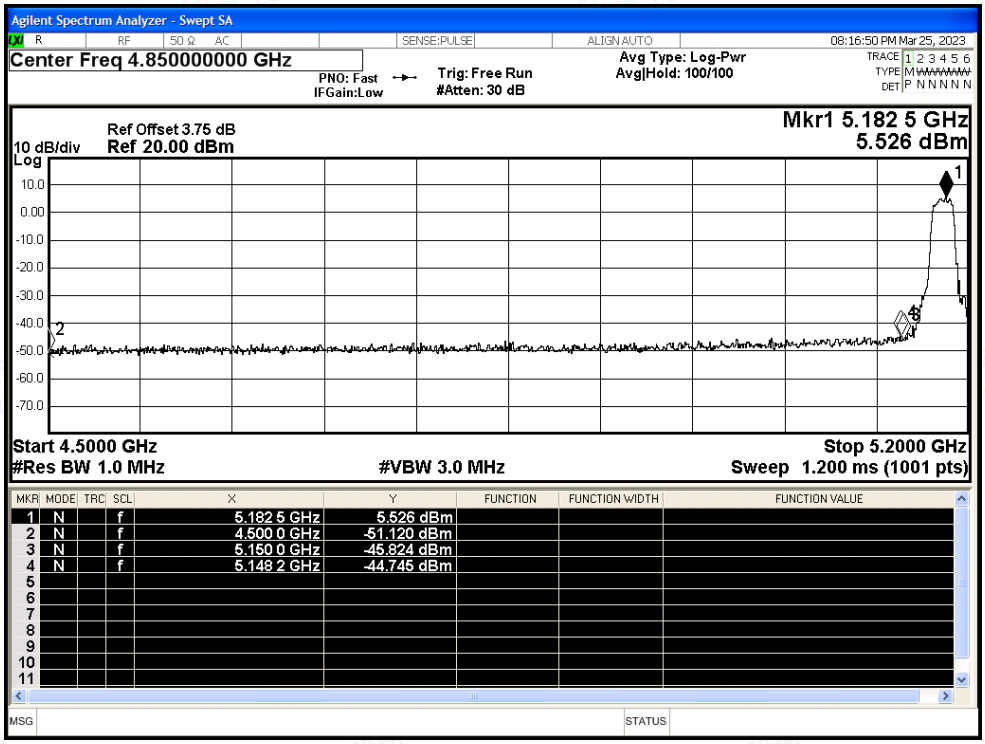
Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a ant0	5180	4500	-51.12	3.8	47.91	Peak	68.2	Pass
NVNT	a ant0	5180	4500	-59.51	3.8	39.52	Average	54	Pass
NVNT	a ant0	5180	5148.2	-44.75	3.8	54.28	Peak	68.2	Pass
NVNT	a ant0	5180	5149.6	-54.78	3.8	44.25	Average	54	Pass
NVNT	a ant0	5180	5150	-45.82	3.8	53.21	Peak	68.2	Pass
NVNT	a ant0	5180	5150	-54.97	3.8	44.06	Average	54	Pass
NVNT	a ant0	5240	5350	-49.39	3.8	49.64	Peak	68.2	Pass
NVNT	a ant0	5240	5350	-58.68	3.8	40.35	Average	54	Pass
NVNT	a ant0	5240	5359.68	-46.17	3.8	52.86	Peak	68.2	Pass
NVNT	a ant0	5240	5350.8	-58.57	3.8	40.46	Average	54	Pass
NVNT	a ant0	5240	5460	-48.5	3.8	50.53	Peak	68.2	Pass
NVNT	a ant0	5240	5460	-59.36	3.8	39.67	Average	54	Pass
NVNT	n20 MIMO	5180	4500	-48.49	6.81	53.55	Peak	68.2	Pass
NVNT	n20 MIMO	5180	4500	-59.55	6.81	42.49	Average	54	Pass
NVNT	n20 MIMO	5180	5149.6	-34.58	6.81	67.46	Peak	68.2	Pass
NVNT	n20 MIMO	5180	5148.9	-55.02	6.81	47.02	Average	54	Pass
NVNT	n20 MIMO	5180	5150	-46.59	6.81	55.45	Peak	68.2	Pass
NVNT	n20 MIMO	5180	5150	-54.95	6.81	47.09	Average	54	Pass
NVNT	n20 MIMO	5240	5350	-48.74	6.81	53.30	Peak	68.2	Pass
NVNT	n20 MIMO	5240	5350	-58.76	6.81	43.28	Average	54	Pass
NVNT	n20 MIMO	5240	5412	-46.02	6.81	56.02	Peak	68.2	Pass
NVNT	n20 MIMO	5240	5358.48	-58.52	6.81	43.52	Average	54	Pass
NVNT	n20 MIMO	5240	5460	-50.35	6.81	51.69	Peak	68.2	Pass
NVNT	n20 MIMO	5240	5460	-59.26	6.81	42.78	Average	54	Pass
NVNT	n40 MIMO	5190	4500	-50.37	6.81	51.67	Peak	68.2	Pass
NVNT	n40 MIMO	5190	4500	-59.29	6.81	42.75	Average	54	Pass
NVNT	n40 MIMO	5190	5144.59	-44.65	6.81	57.39	Peak	68.2	Pass
NVNT	n40 MIMO	5190	5148.97	-54.72	6.81	47.32	Average	54	Pass
NVNT	n40 MIMO	5190	5150	-46.12	6.81	55.92	Peak	68.2	Pass
NVNT	n40 MIMO	5190	5150	-54.76	6.81	47.28	Average	54	Pass
NVNT	n40 MIMO	5230	5350	-49.31	6.81	52.73	Peak	68.2	Pass
NVNT	n40 MIMO	5230	5350	-58.39	6.81	43.65	Average	54	Pass
NVNT	n40 MIMO	5230	5425.44	-46.74	6.81	55.30	Peak	68.2	Pass
NVNT	n40 MIMO	5230	5352.27	-58.01	6.81	44.03	Average	54	Pass
NVNT	n40 MIMO	5230	5460	-50.64	6.81	51.40	Peak	68.2	Pass
NVNT	n40 MIMO	5230	5460	-58.78	6.81	43.26	Average	54	Pass
NVNT	ac20 MIMO	5180	4500	-51.68	6.81	50.36	Peak	68.2	Pass

NVNT	ac20 MIMO	5180	4500	-59.48	6.81	42.56	Average	54	Pass
NVNT	ac20 MIMO	5180	5146.1	-43.45	6.81	58.59	Peak	68.2	Pass
NVNT	ac20 MIMO	5180	5149.6	-55.31	6.81	46.73	Average	54	Pass
NVNT	ac20 MIMO	5180	5150	-45.71	6.81	56.33	Peak	68.2	Pass
NVNT	ac20 MIMO	5180	5150	-55.29	6.81	46.75	Average	54	Pass
NVNT	ac20 MIMO	5240	5350	-48.7	6.81	53.34	Peak	68.2	Pass
NVNT	ac20 MIMO	5240	5350	-58.79	6.81	43.25	Average	54	Pass
NVNT	ac20 MIMO	5240	5369.76	-47.23	6.81	54.81	Peak	68.2	Pass
NVNT	ac20 MIMO	5240	5358.96	-58.5	6.81	43.54	Average	54	Pass
NVNT	ac20 MIMO	5240	5460	-49.86	6.81	52.18	Peak	68.2	Pass
NVNT	ac20 MIMO	5240	5460	-59.33	6.81	42.71	Average	54	Pass
NVNT	ac40 MIMO	5190	4500	-50.8	6.81	51.24	Peak	68.2	Pass
NVNT	ac40 MIMO	5190	4500	-59.33	6.81	42.71	Average	54	Pass
NVNT	ac40 MIMO	5190	5136.56	-44.53	6.81	57.51	Peak	68.2	Pass
NVNT	ac40 MIMO	5190	5149.7	-54.67	6.81	47.37	Average	54	Pass
NVNT	ac40 MIMO	5190	5150	-46.22	6.81	55.82	Peak	68.2	Pass
NVNT	ac40 MIMO	5190	5150	-54.67	6.81	47.37	Average	54	Pass
NVNT	ac40 MIMO	5230	5350	-48.84	6.81	53.20	Peak	68.2	Pass
NVNT	ac40 MIMO	5230	5350	-58.18	6.81	43.86	Average	54	Pass
NVNT	ac40 MIMO	5230	5362.26	-46.98	6.81	55.06	Peak	68.2	Pass
NVNT	ac40 MIMO	5230	5350.92	-58.02	6.81	44.02	Average	54	Pass
NVNT	ac40 MIMO	5230	5460	-50.13	6.81	51.91	Peak	68.2	Pass
NVNT	ac40 MIMO	5230	5460	-59.16	6.81	42.88	Average	54	Pass
NVNT	ac80 MIMO	5210	5350	-48.38	6.81	53.66	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5350	-57.42	6.81	44.62	Average	54	Pass
NVNT	ac80 MIMO	5210	5356.05	-46.26	6.81	55.78	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5396.31	-57.25	6.81	44.79	Average	54	Pass
NVNT	ac80 MIMO	5210	5460	-48.67	6.81	53.37	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5460	-58.14	6.81	43.90	Average	54	Pass
NVNT	ac80 MIMO	5210	4500	-50.61	6.81	51.43	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	4500	-59.11	6.81	42.93	Average	54	Pass
NVNT	ac80 MIMO	5210	5146.22	-42.67	6.81	59.37	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5149.38	-52.18	6.81	49.86	Average	54	Pass
NVNT	ac80 MIMO	5210	5150	-43.08	6.81	58.96	Peak	68.2	Pass
NVNT	ac80 MIMO	5210	5150	-52.12	6.81	49.92	Average	54	Pass

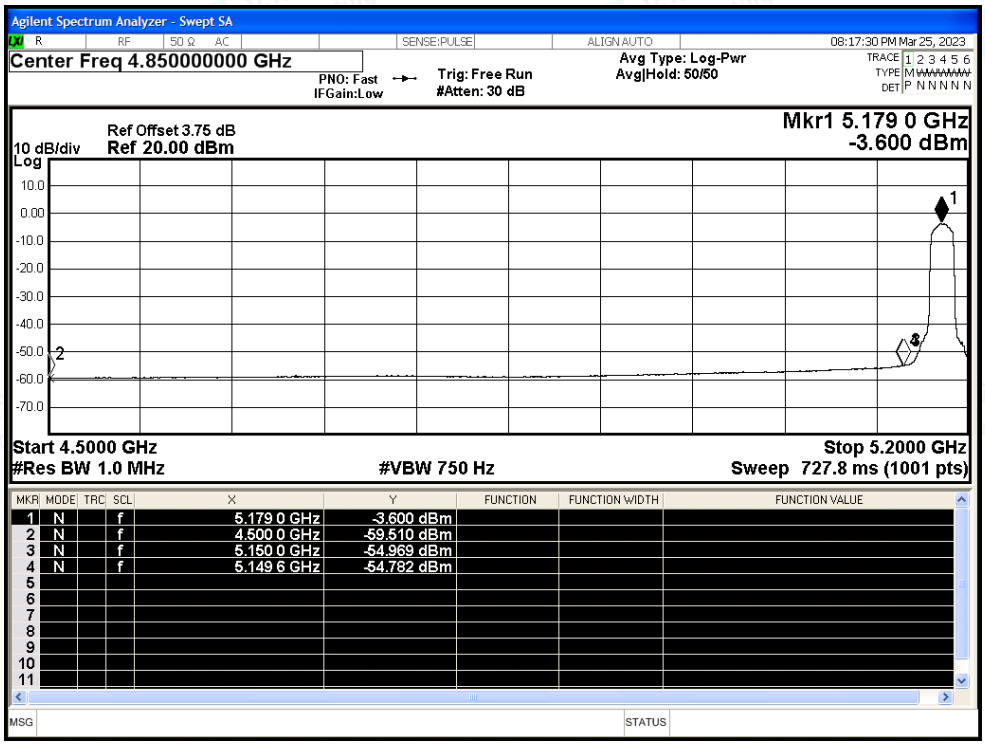
Note: 802.11a mode, only show the worst set of antenna data.

Test Graphs

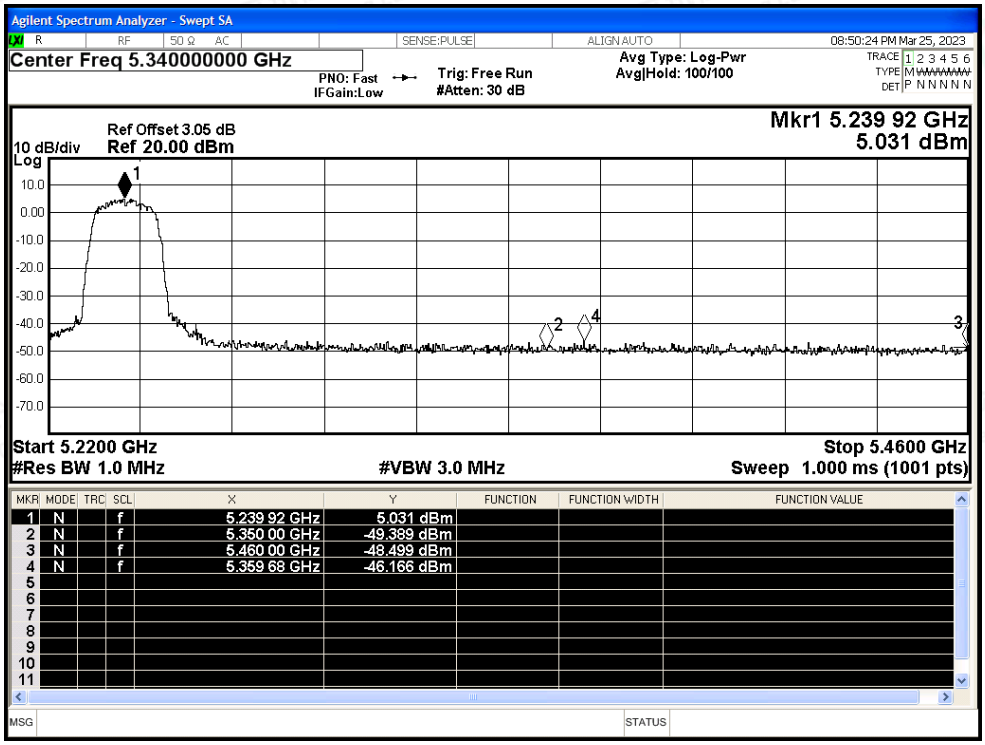
Restrict Band NVNT a 5180MHz Ant0 Peak



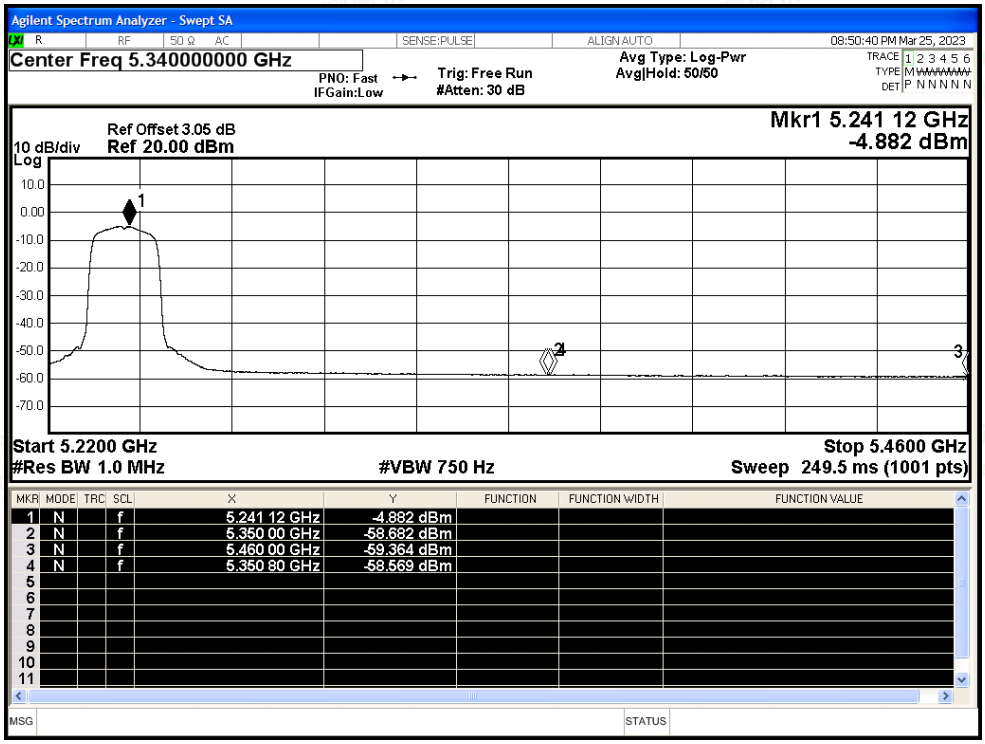
Restrict Band NVNT a 5180MHz Ant0 Average



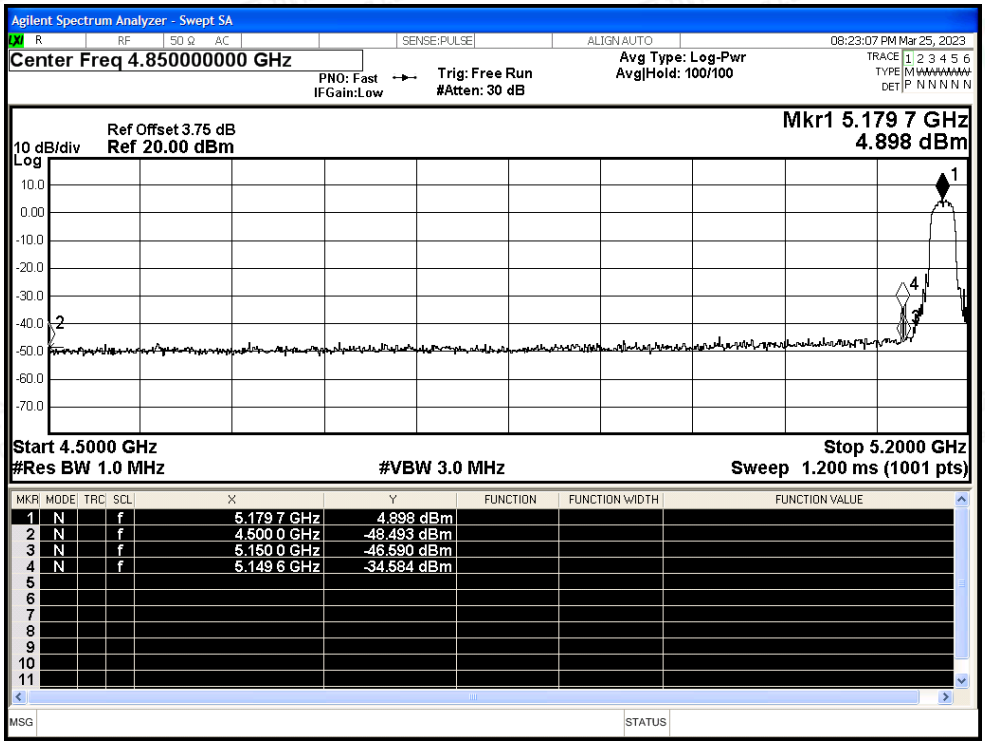
Restrict Band NVNT a 5240MHz Ant0 Peak



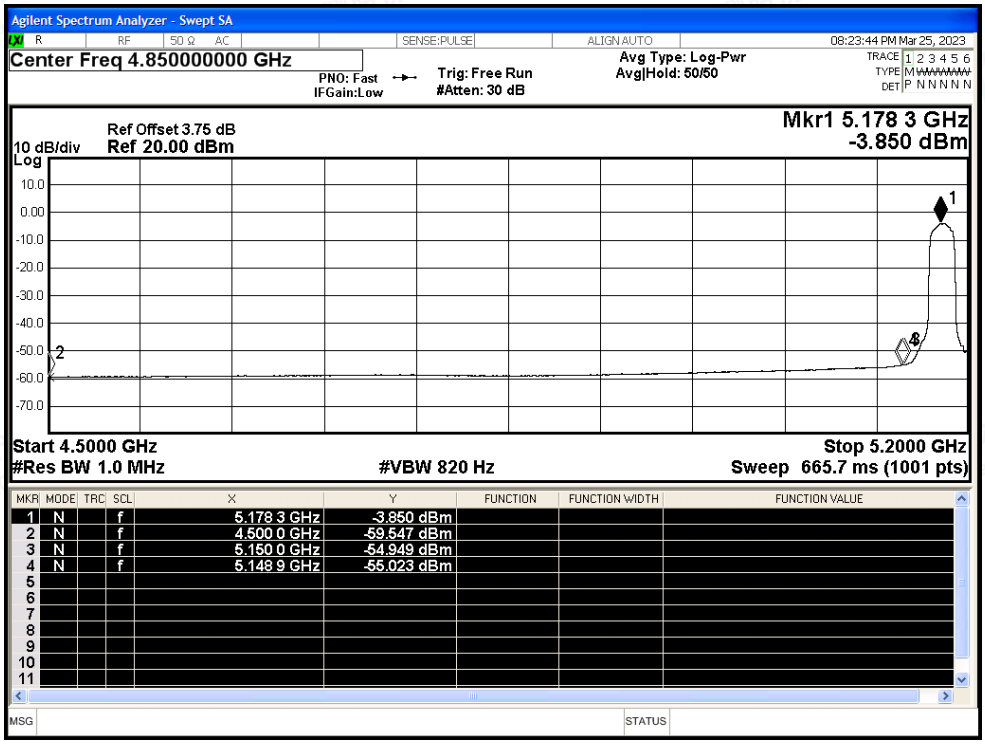
Restrict Band NVNT a 5240MHz Ant0 Average



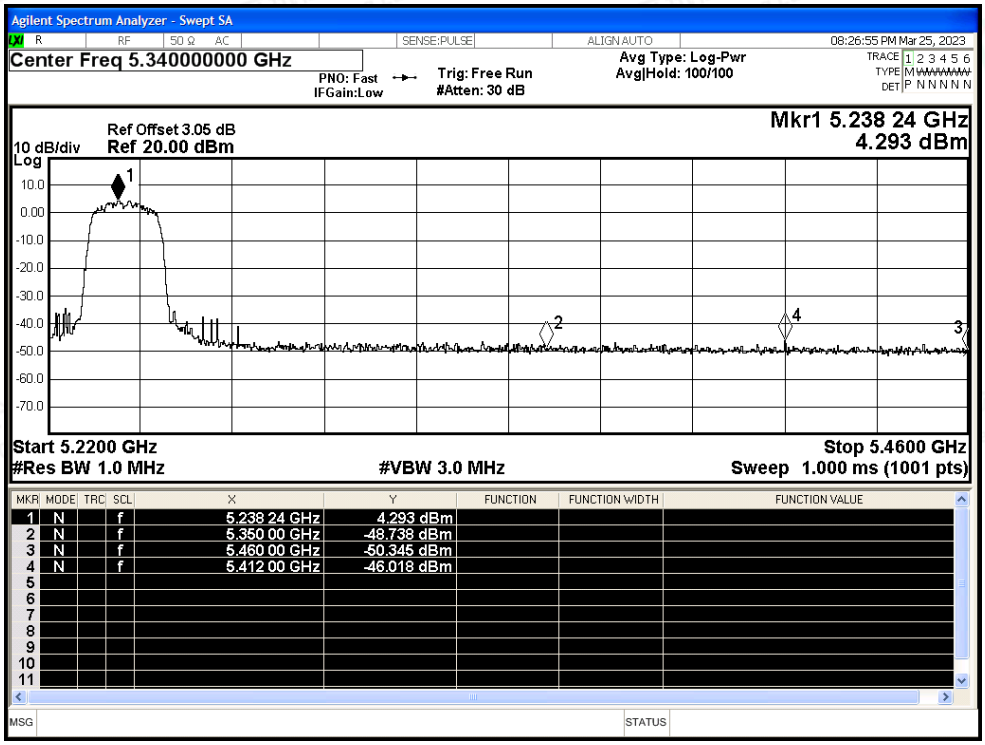
Restrict Band NVNT n20 5180MHz MIMO Peak



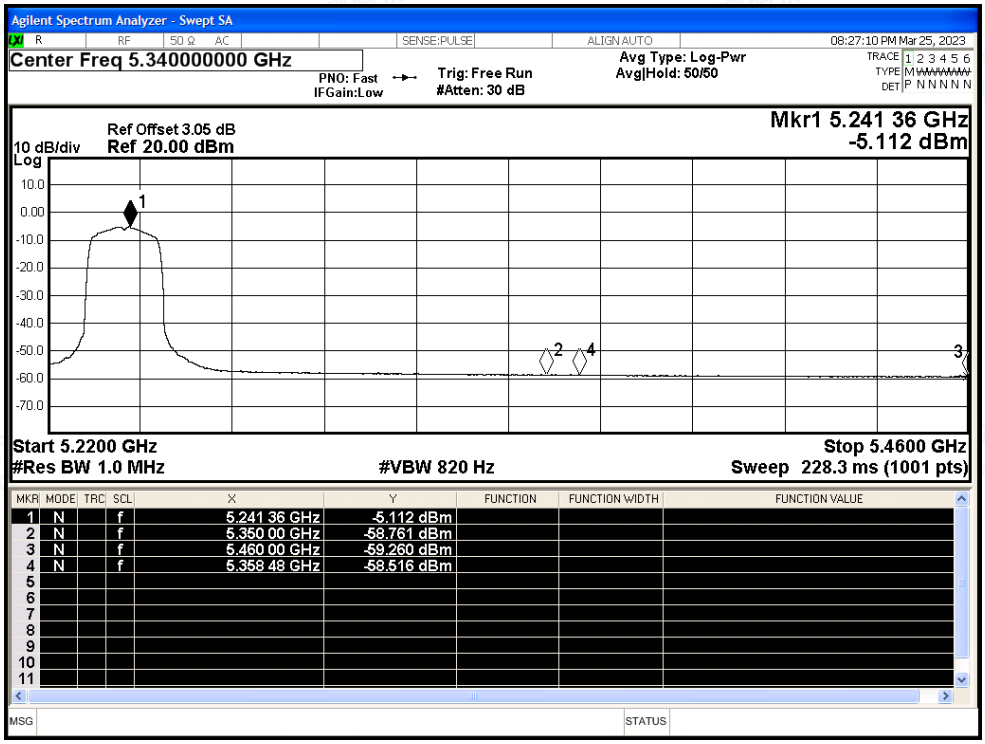
Restrict Band NVNT n20 5180MHz MIMO Average



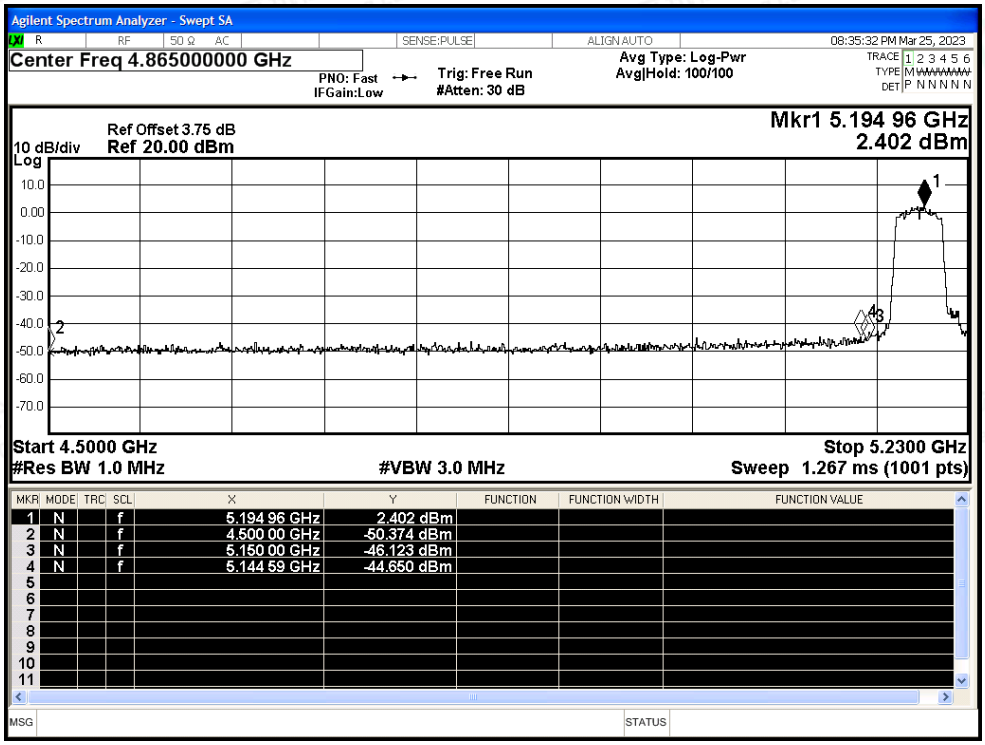
Restrict Band NVNT n20 5240MHz MIMO Peak



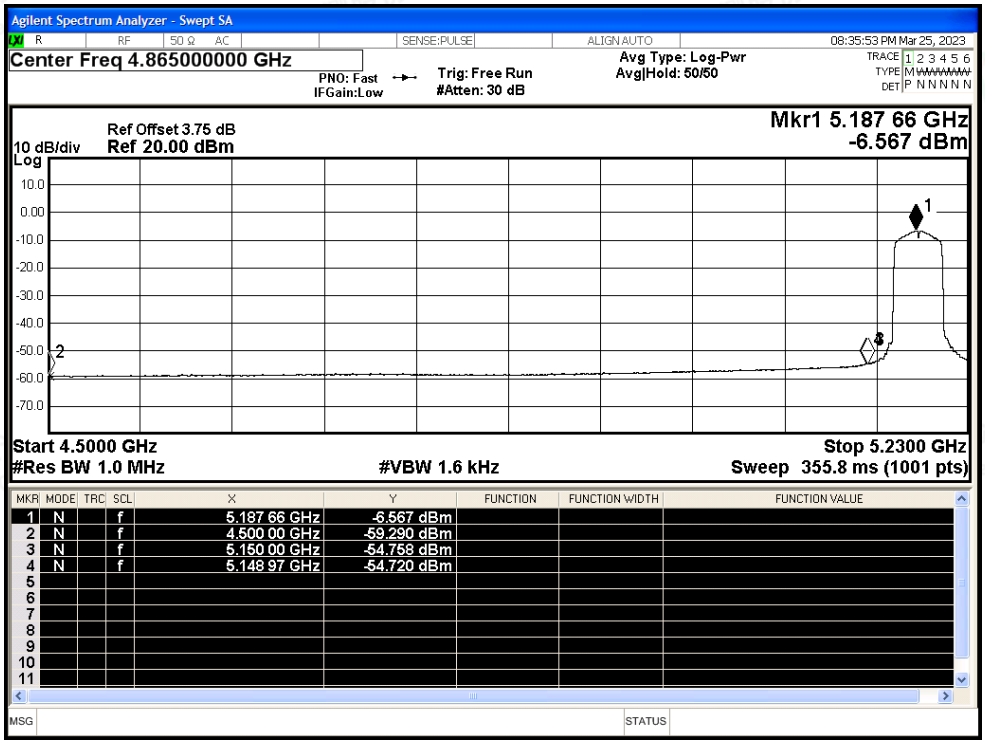
Restrict Band NVNT n20 5240MHz MIMO Average



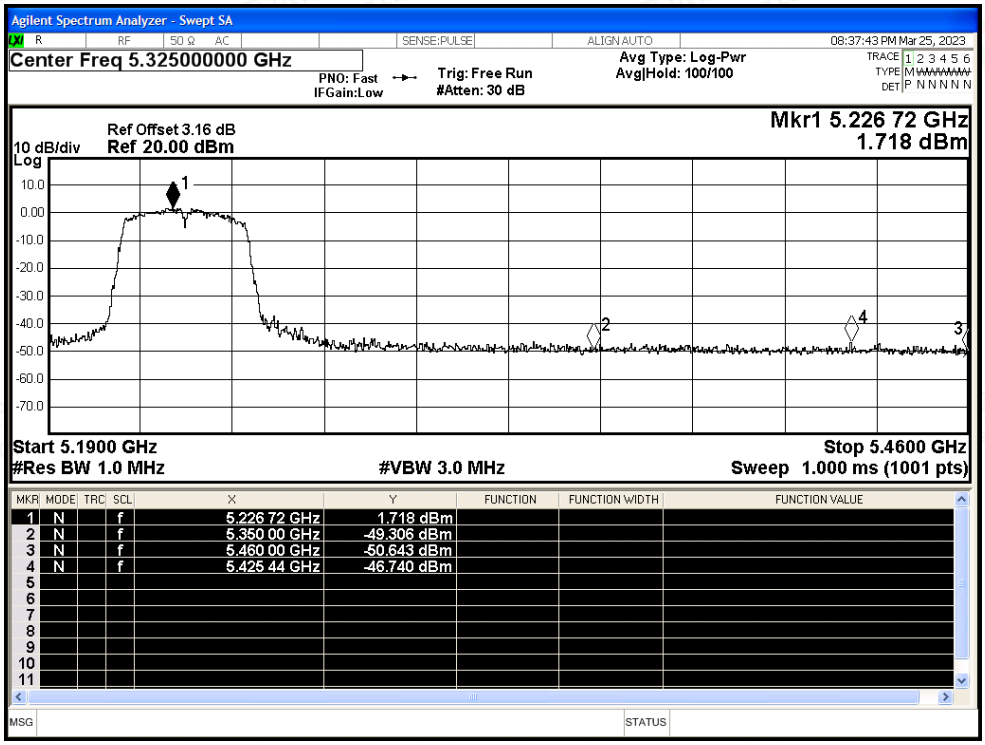
Restrict Band NVNT n40 5190MHz MIMO Peak



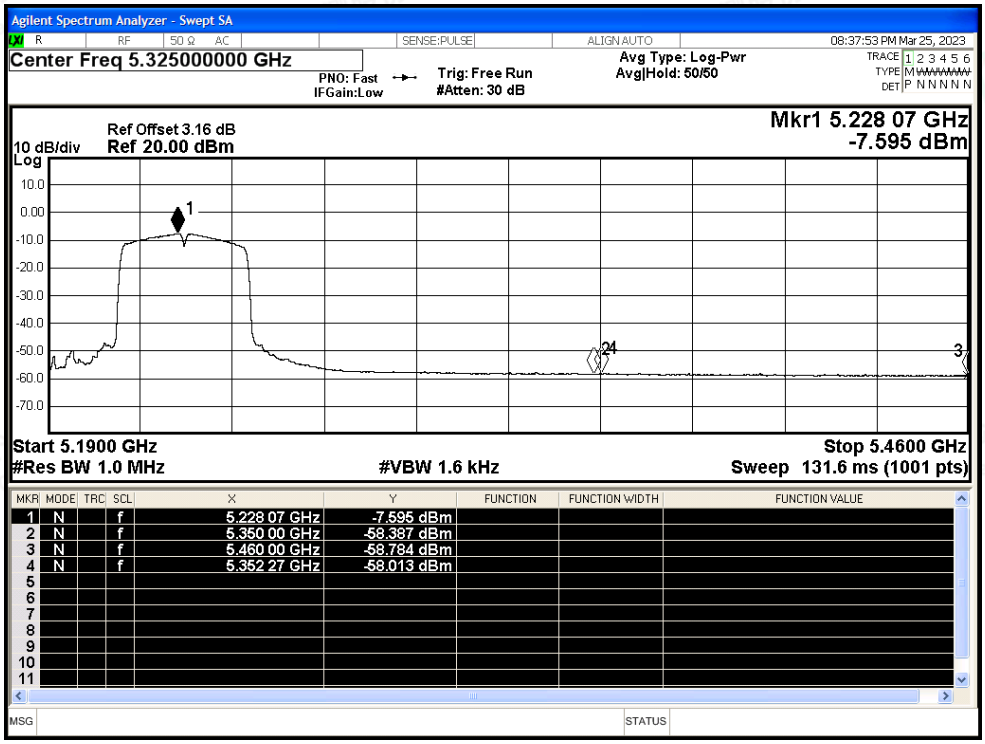
Restrict Band NVNT n40 5190MHz MIMO Average



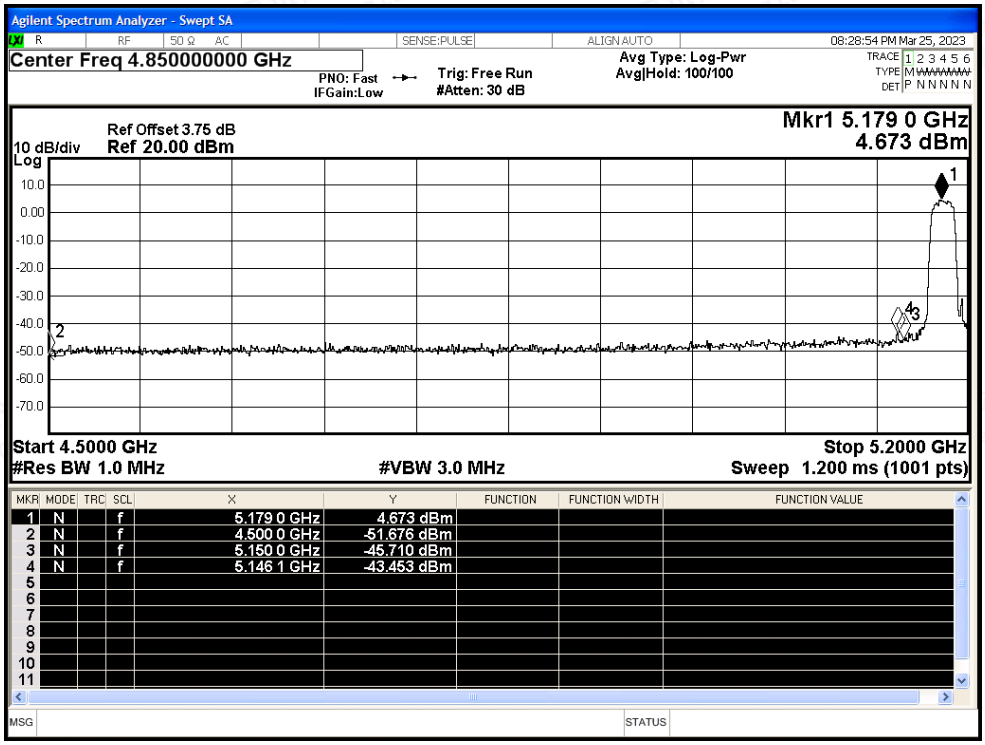
Restrict Band NVNT n40 5230MHz MIMO Peak



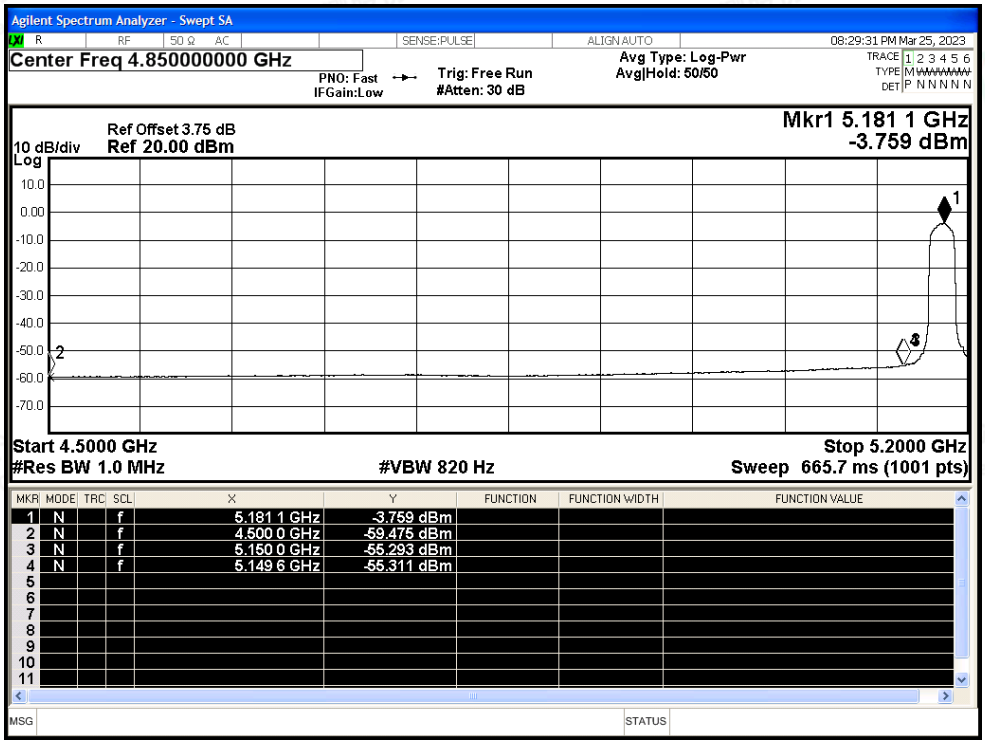
Restrict Band NVNT n40 5230MHz MIMO Average



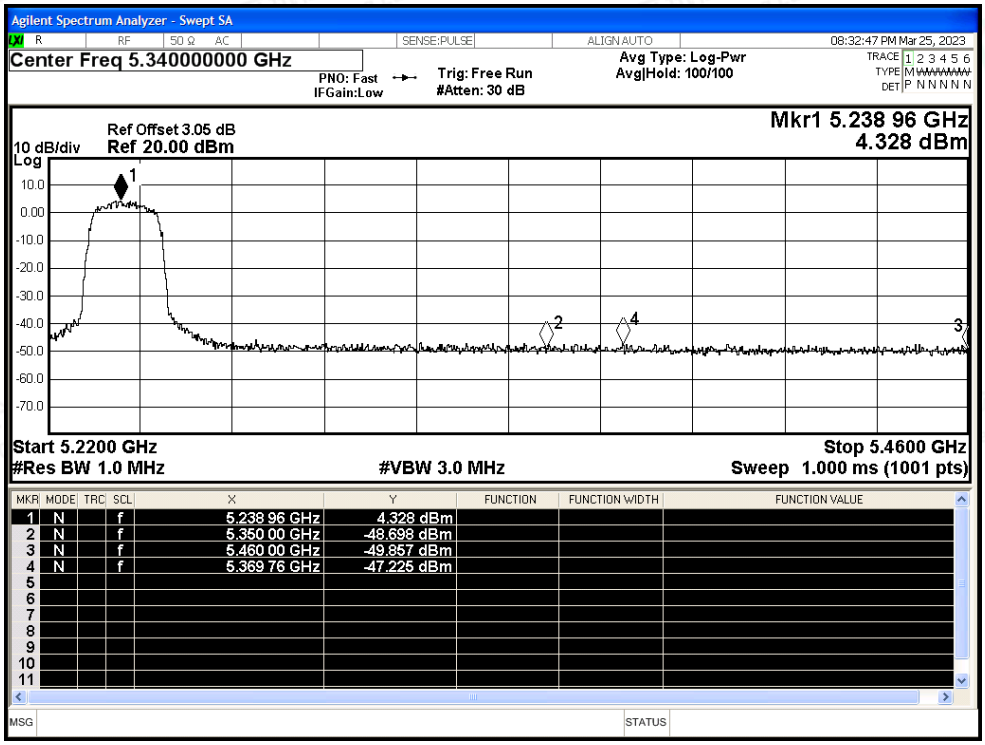
Restrict Band NVNT ac20 5180MHz MIMO Peak



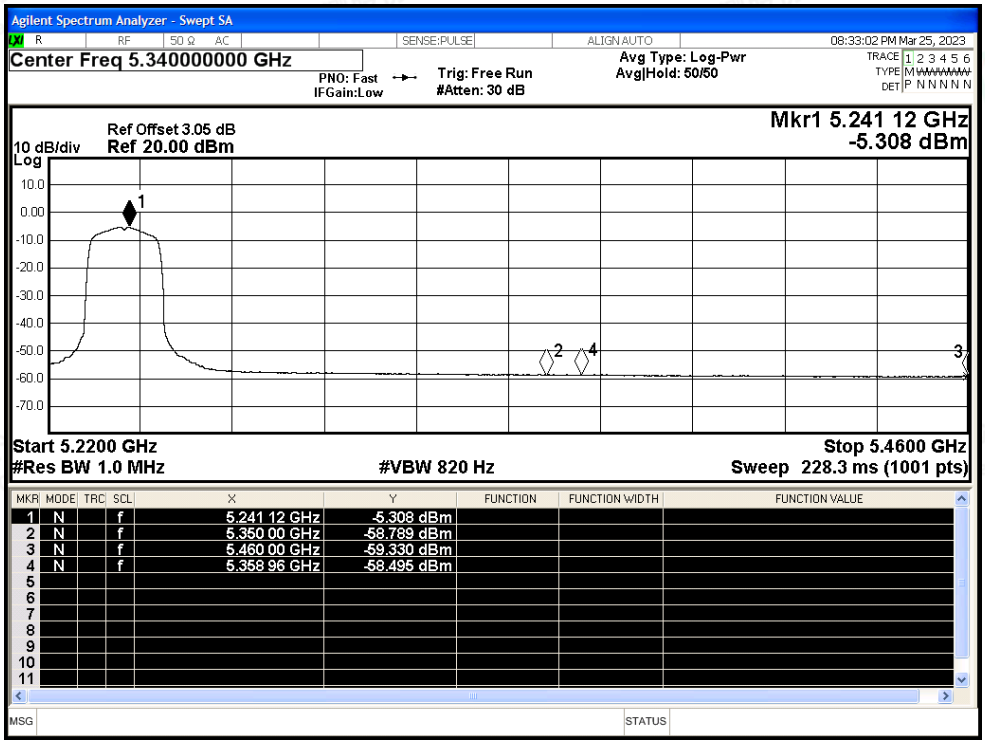
Restrict Band NVNT ac20 5180MHz MIMO Average



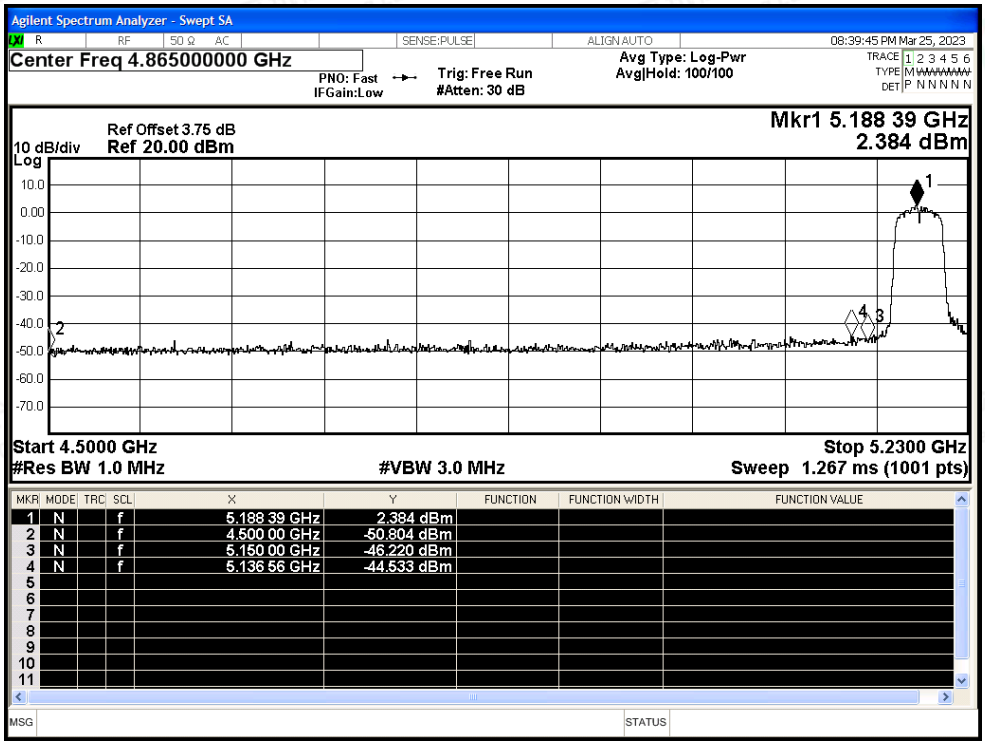
Restrict Band NVNT ac20 5240MHz MIMO Peak



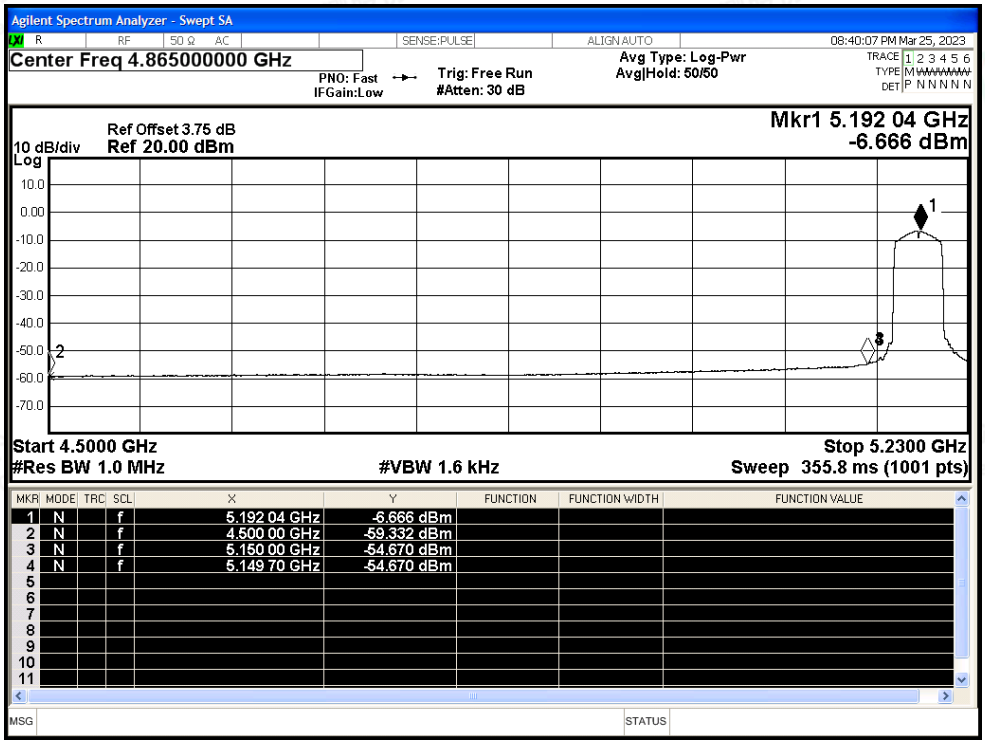
Restrict Band NVNT ac20 5240MHz MIMO Average



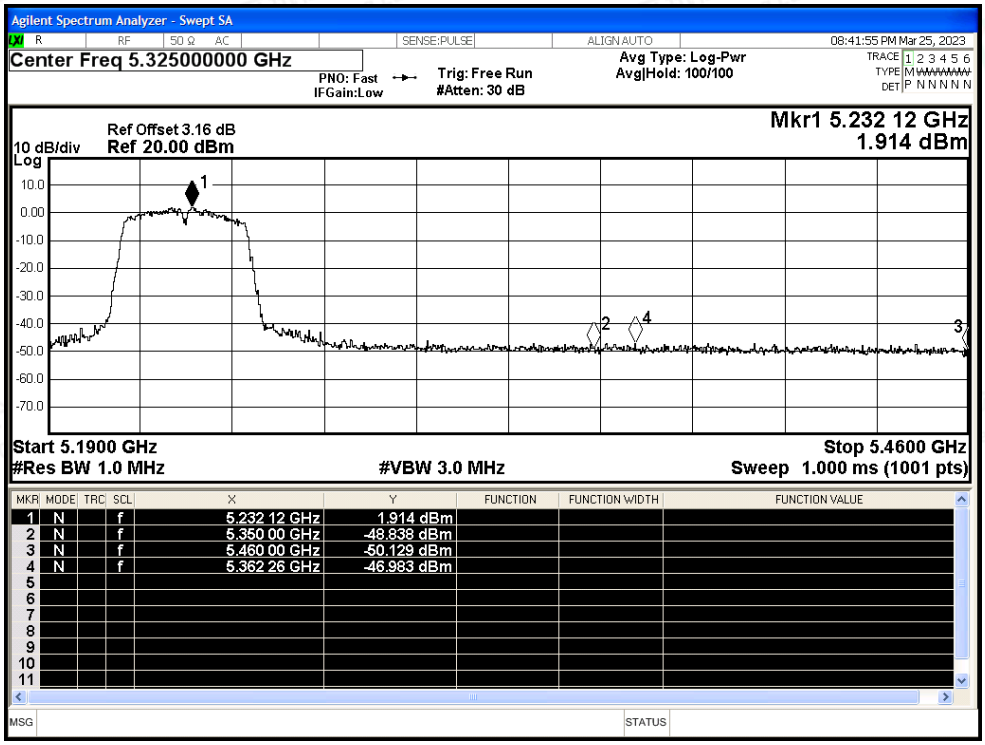
Restrict Band NVNT ac40 5190MHz MIMO Peak



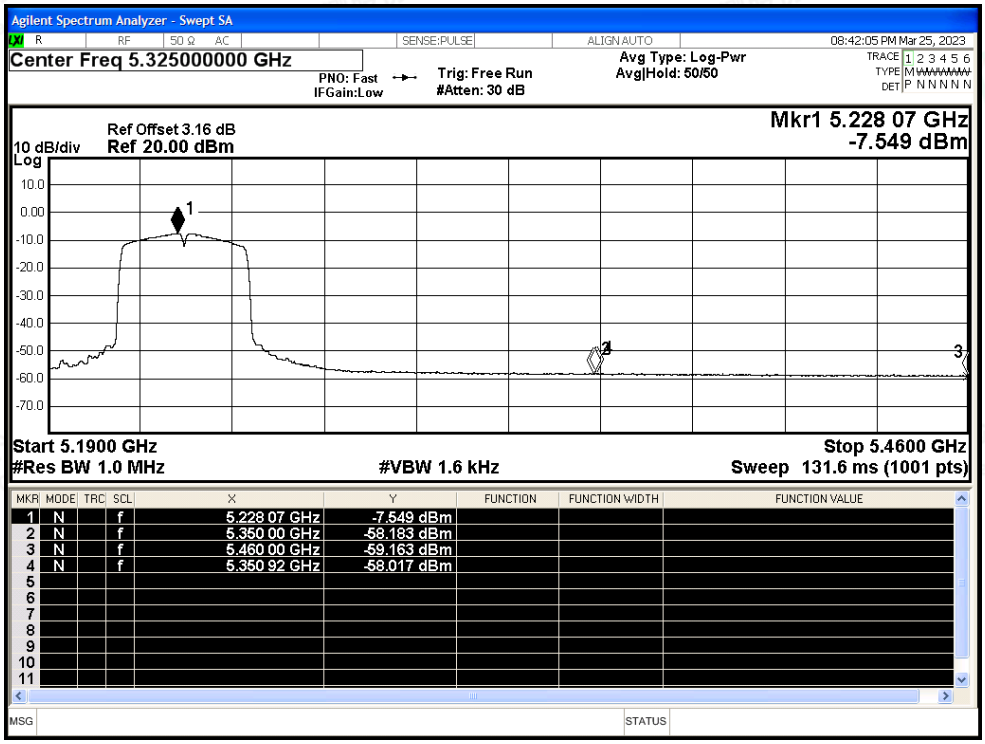
Restrict Band NVNT ac40 5190MHz MIMO Average



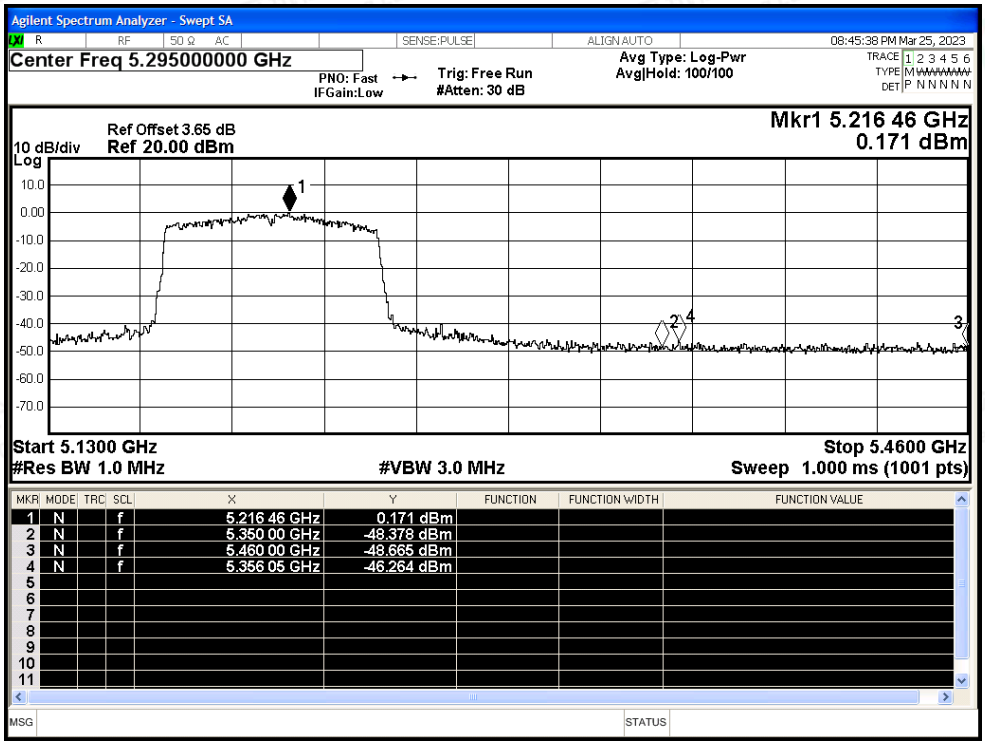
Restrict Band NVNT ac40 5230MHz MIMO Peak



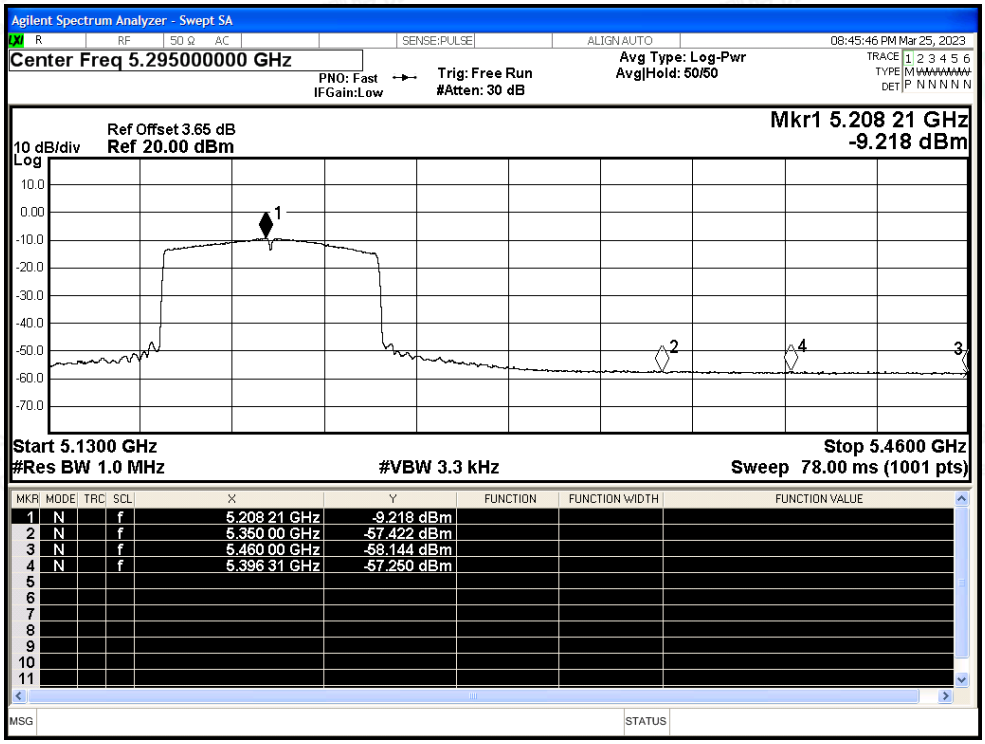
Restrict Band NVNT ac40 5230MHz MIMO Average



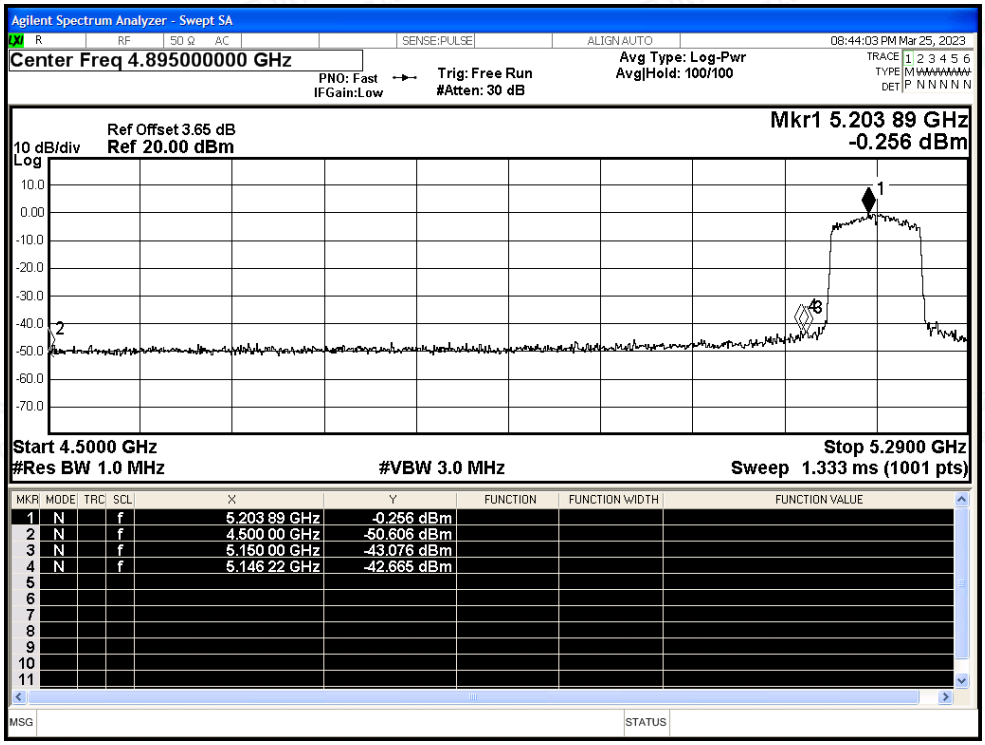
Restrict Band NVNT ac80 5210MHz MIMO Peak



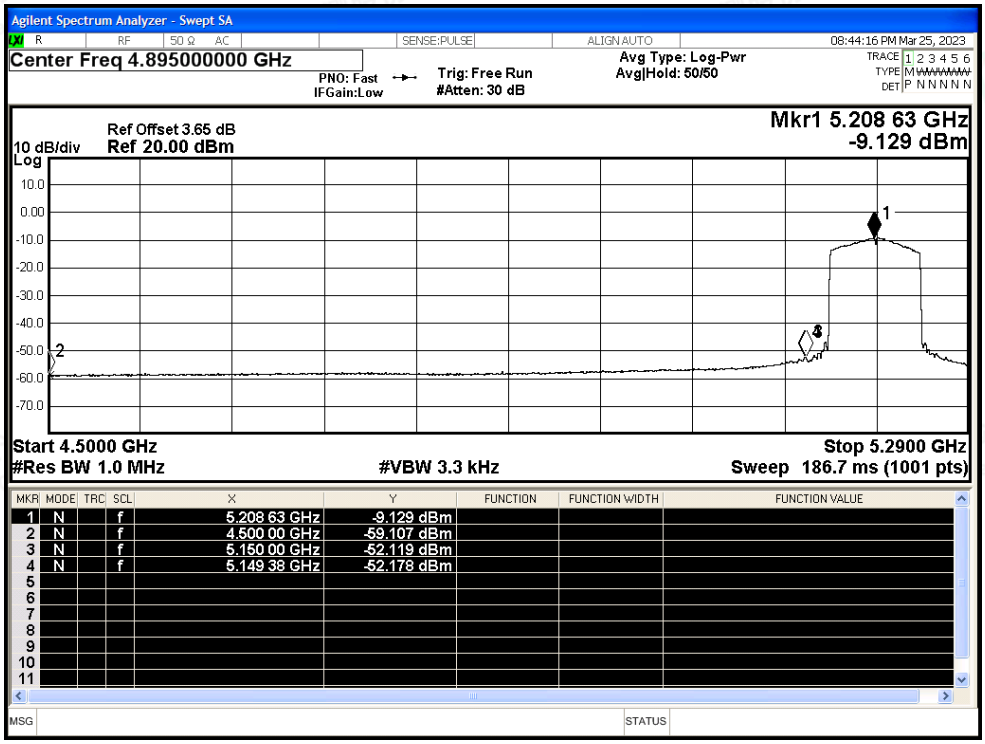
Restrict Band NVNT ac80 5210MHz MIMO Average



Restrict Band NVNT ac80 5210MHz MIMO Peak



Restrict Band NVNT ac80 5210MHz MIMO Average

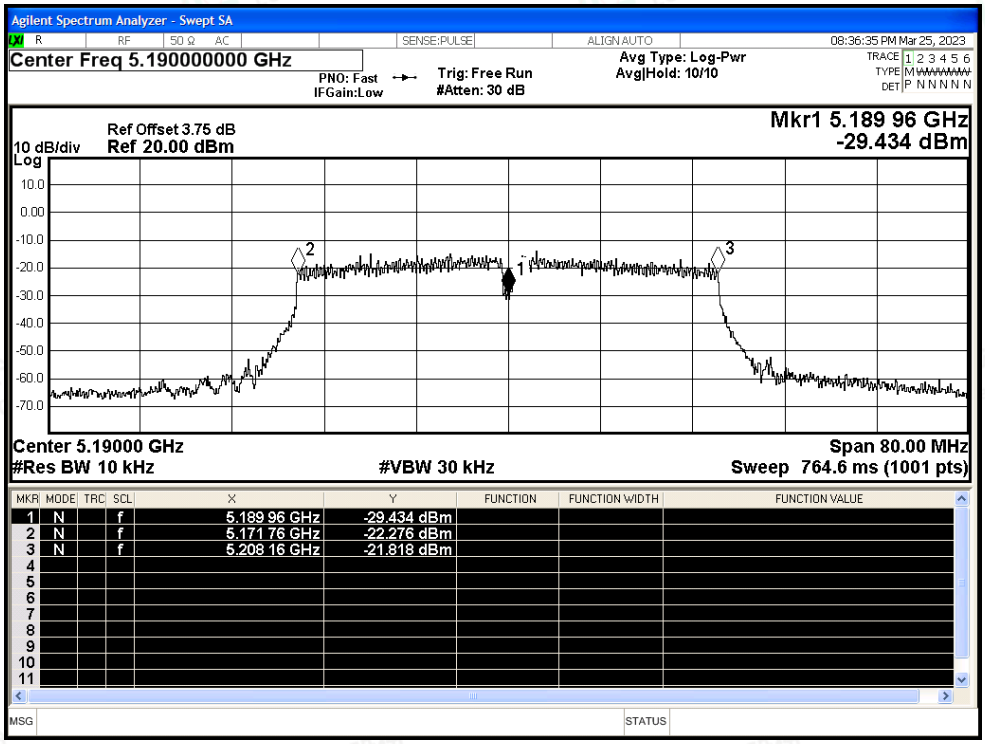


D.5 Frequency Stability

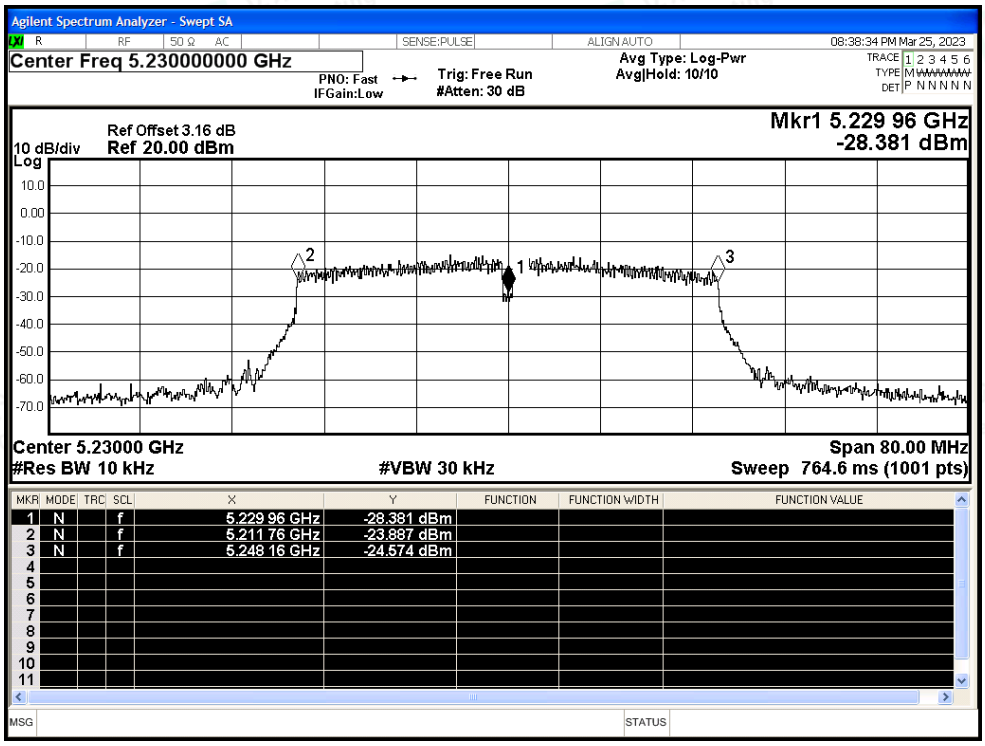
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	n40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
NVNT	ac20	5180	Ant0	5179.92	-80000	-15.44	25	Pass
NVNT	ac20	5200	Ant0	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant0	5239.94	-60000	-11.45	25	Pass
NVNT	ac40	5190	Ant0	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
NVNT	ac80	5210	Ant0	5209.92	-80000	-15.36	25	Pass

Test Graphs

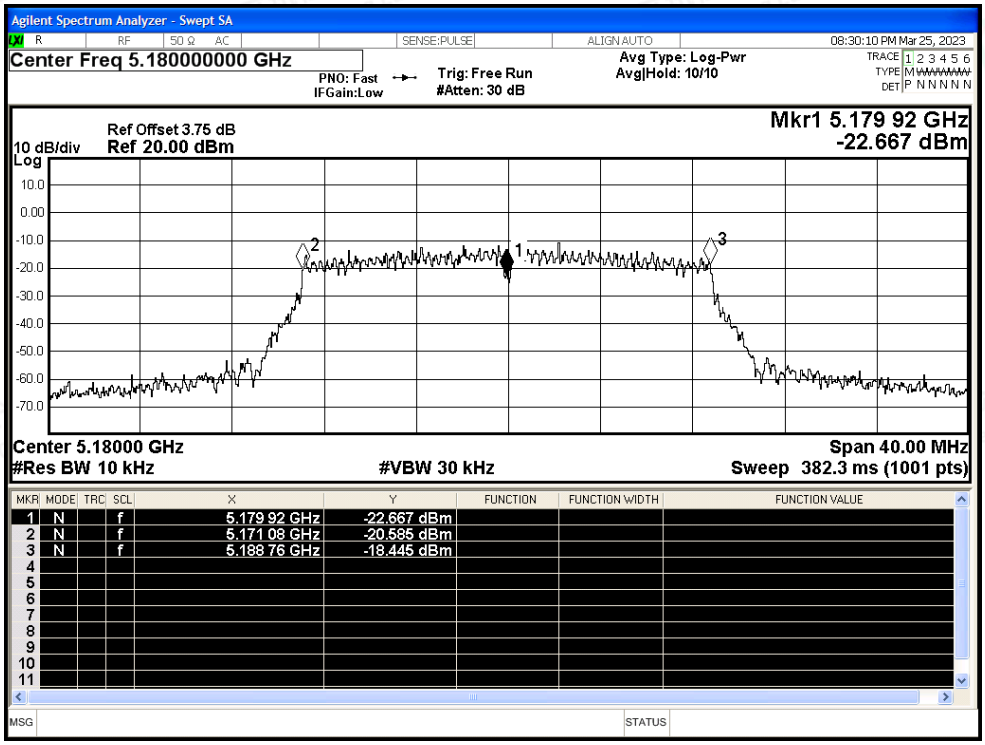
Freq. Stability NVNT n40 5190MHz Ant0



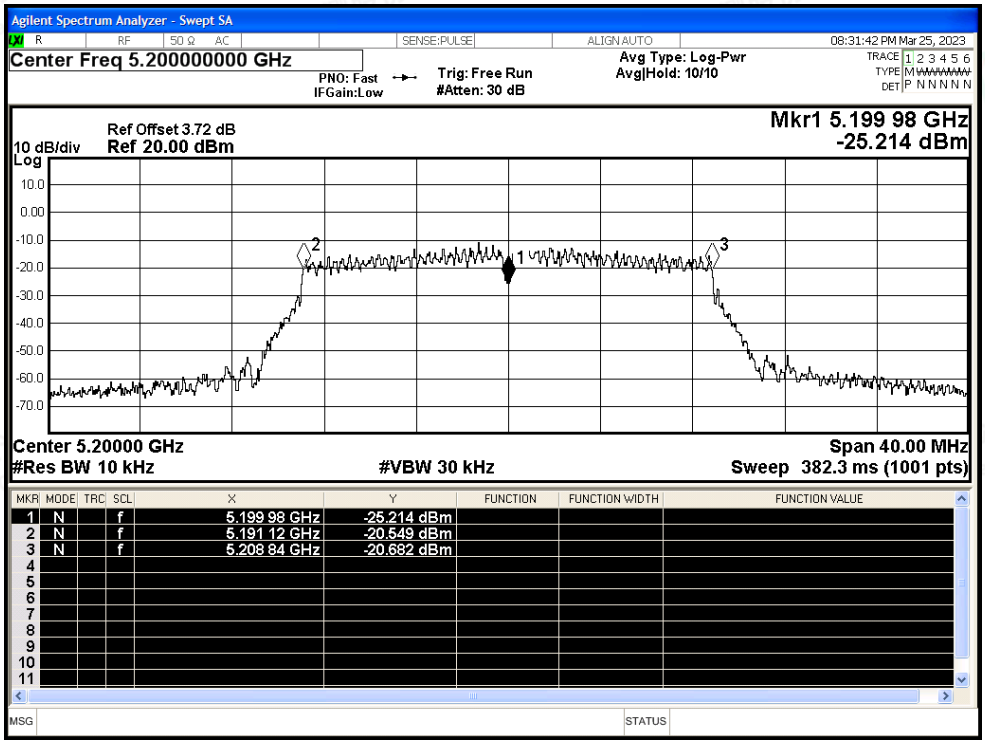
Freq. Stability NVNT n40 5230MHz Ant0



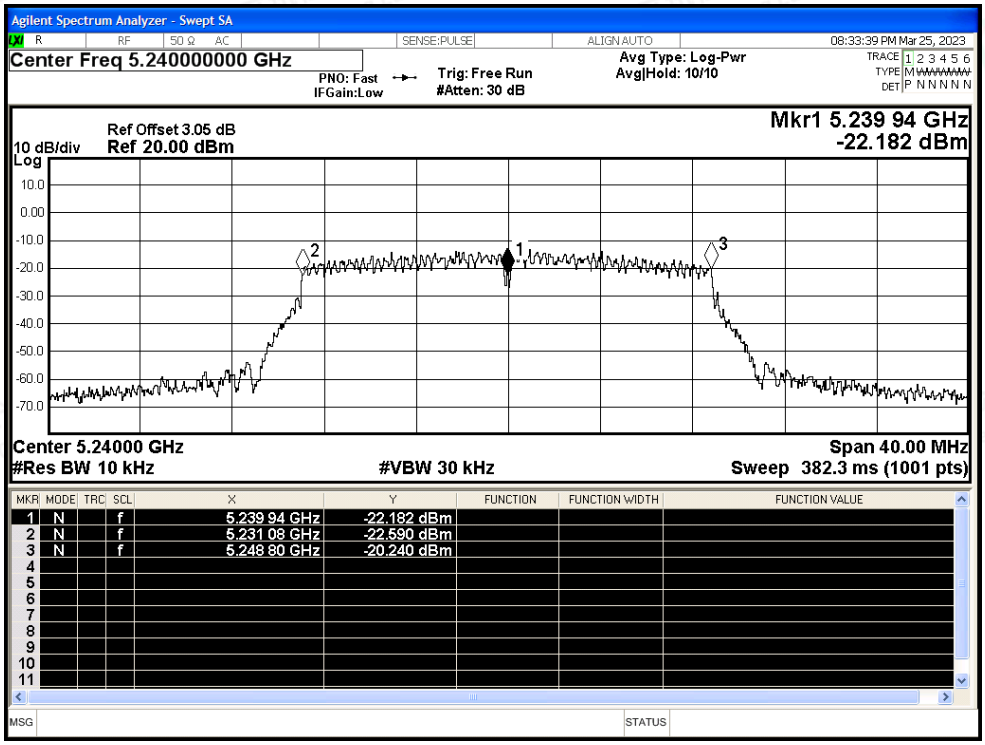
Freq. Stability NVNT ac20 5180MHz Ant0



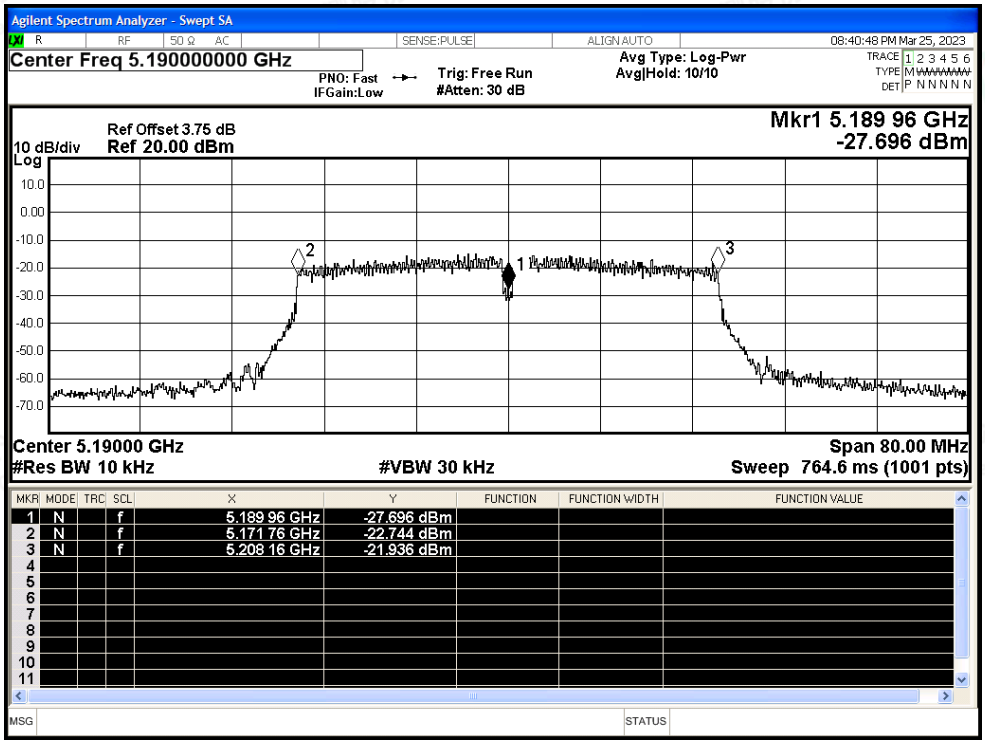
Freq. Stability NVNT ac20 5200MHz Ant0



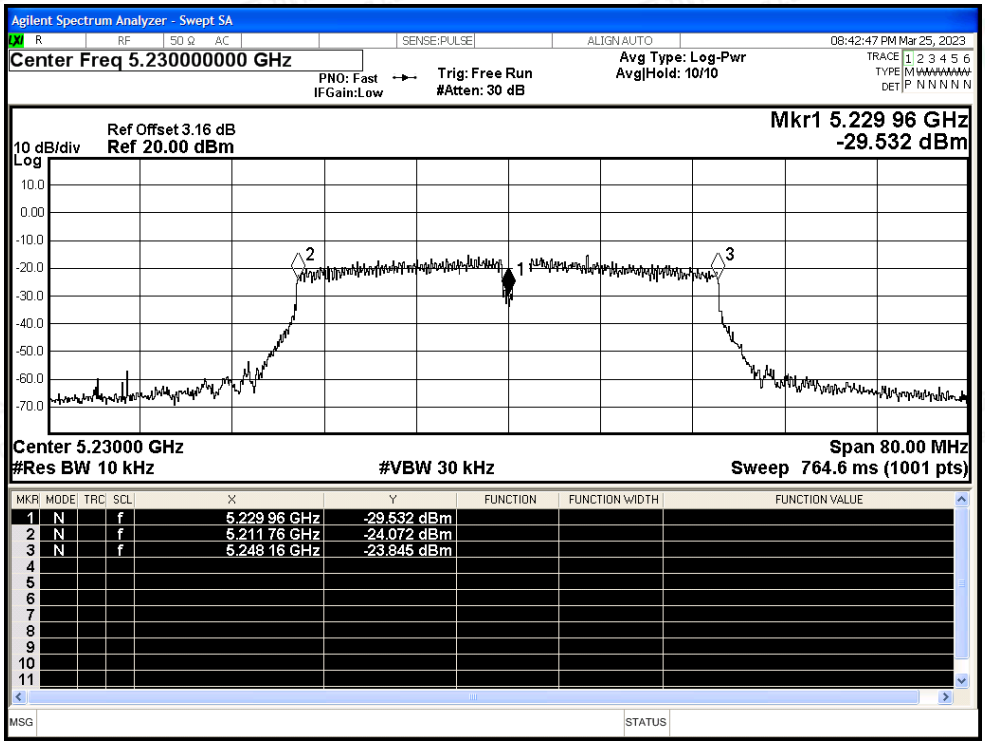
Freq. Stability NVNT ac20 5240MHz Ant0



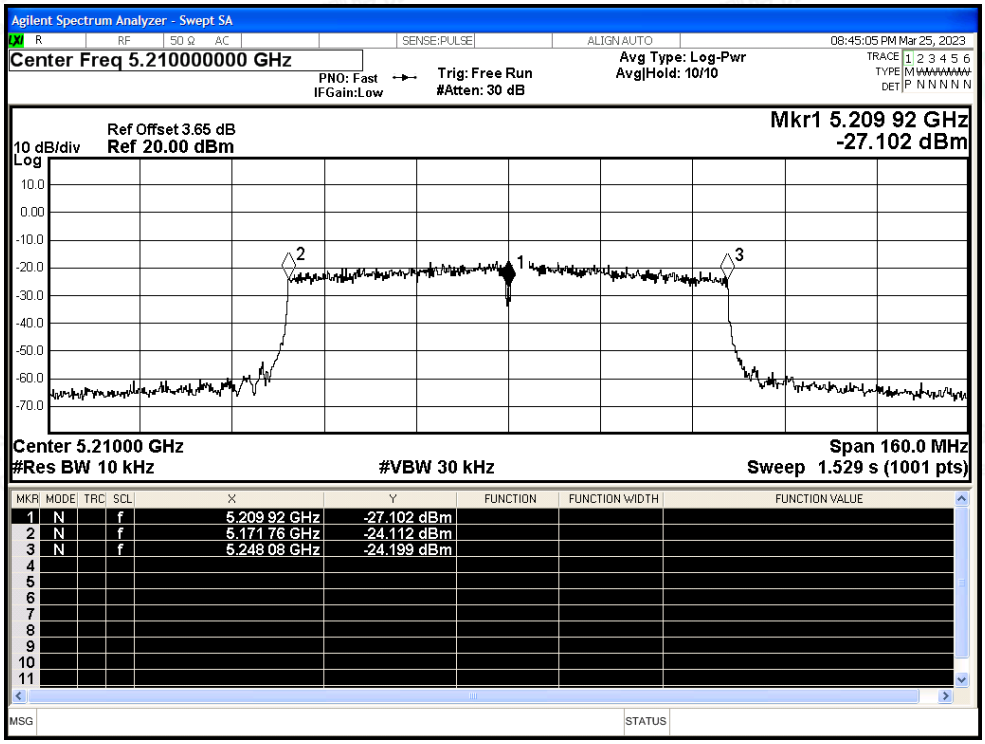
Freq. Stability NVNT ac40 5190MHz Ant0



Freq. Stability NVNT ac40 5230MHz Ant0



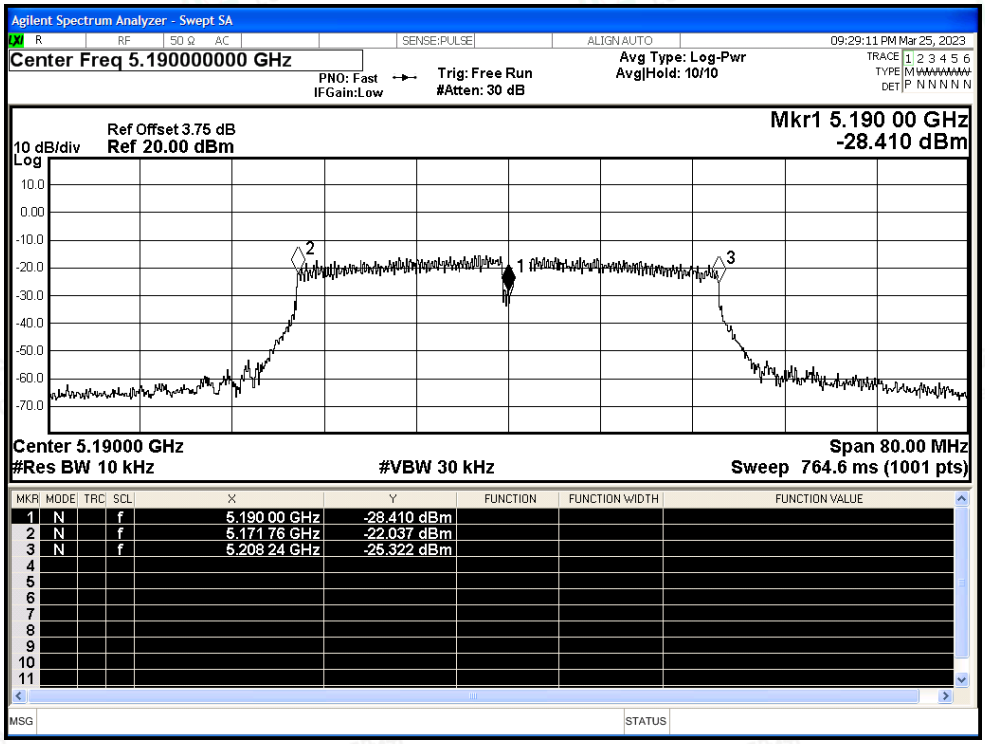
Freq. Stability NVNT ac80 5210MHz Ant0



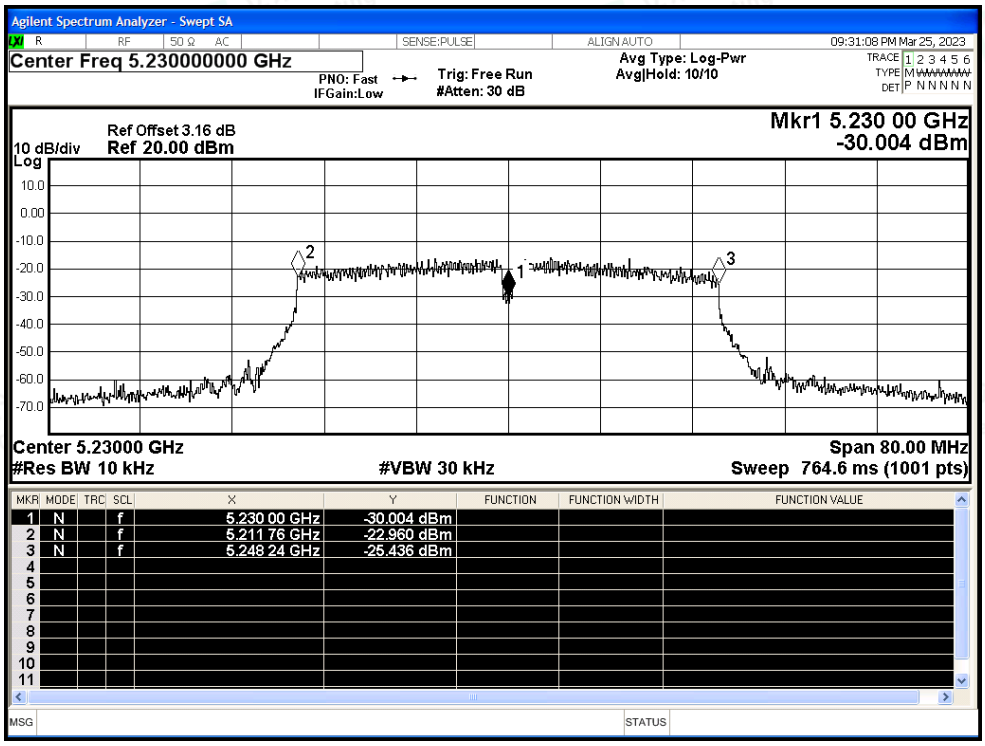
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	n40	5190	Ant1	5190	0	0	25	Pass
NVNT	n40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac20	5180	Ant1	5179.96	-40000	-7.72	25	Pass
NVNT	ac20	5200	Ant1	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant1	5239.98	-20000	-3.82	25	Pass
NVNT	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass

Test Graphs

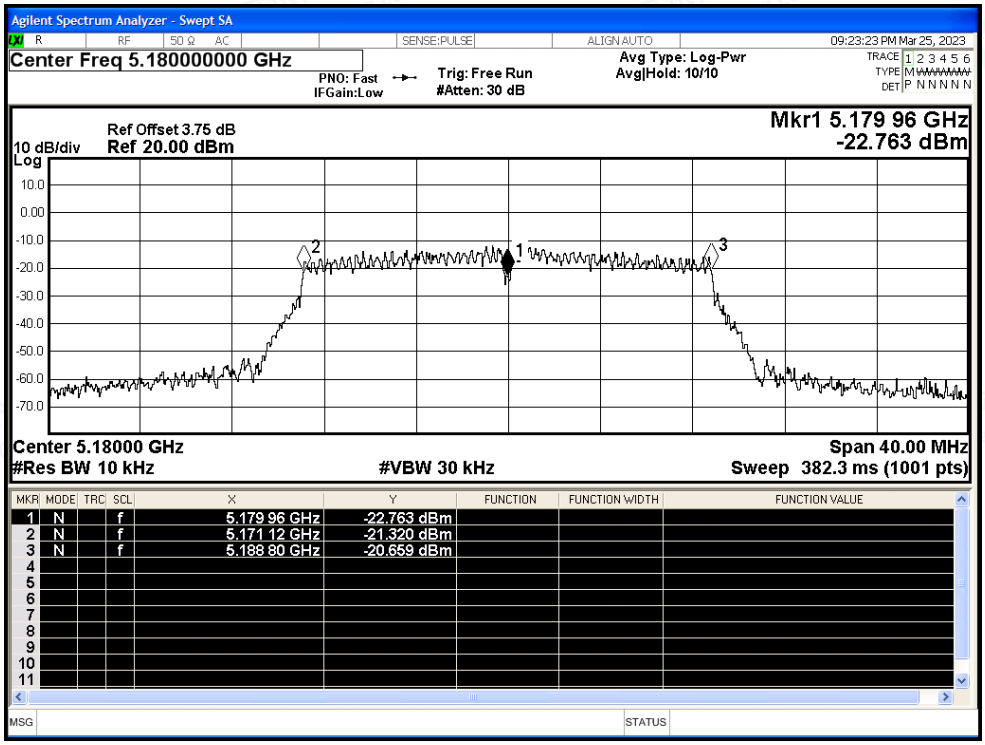
Freq. Stability NVNT n40 5190MHz Ant1



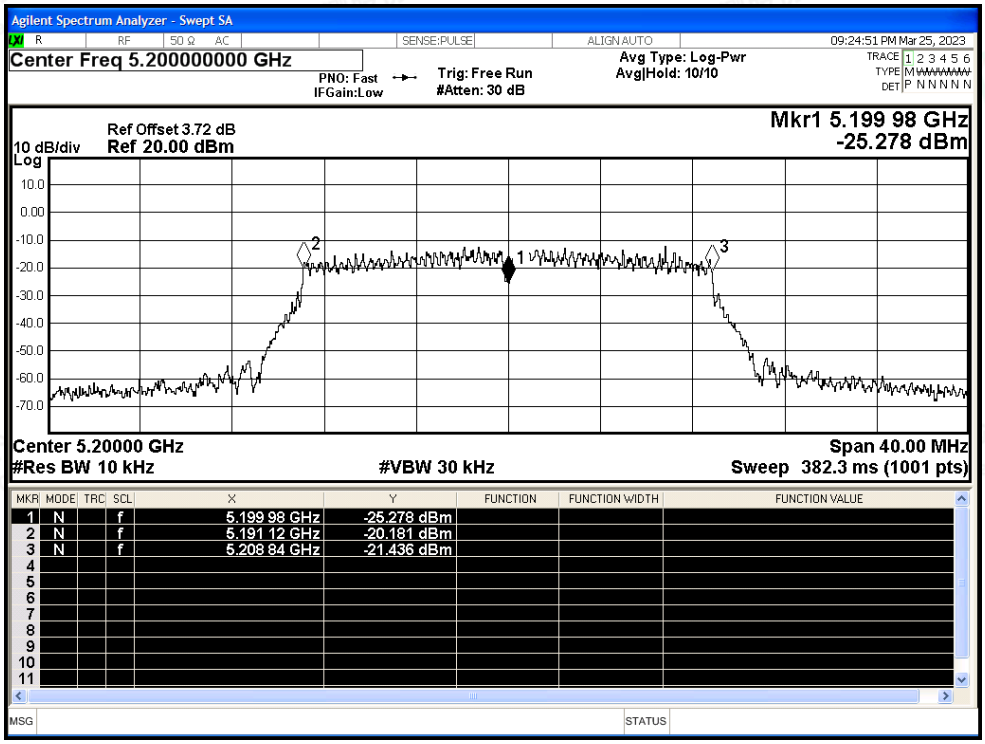
Freq. Stability NVNT n40 5230MHz Ant1



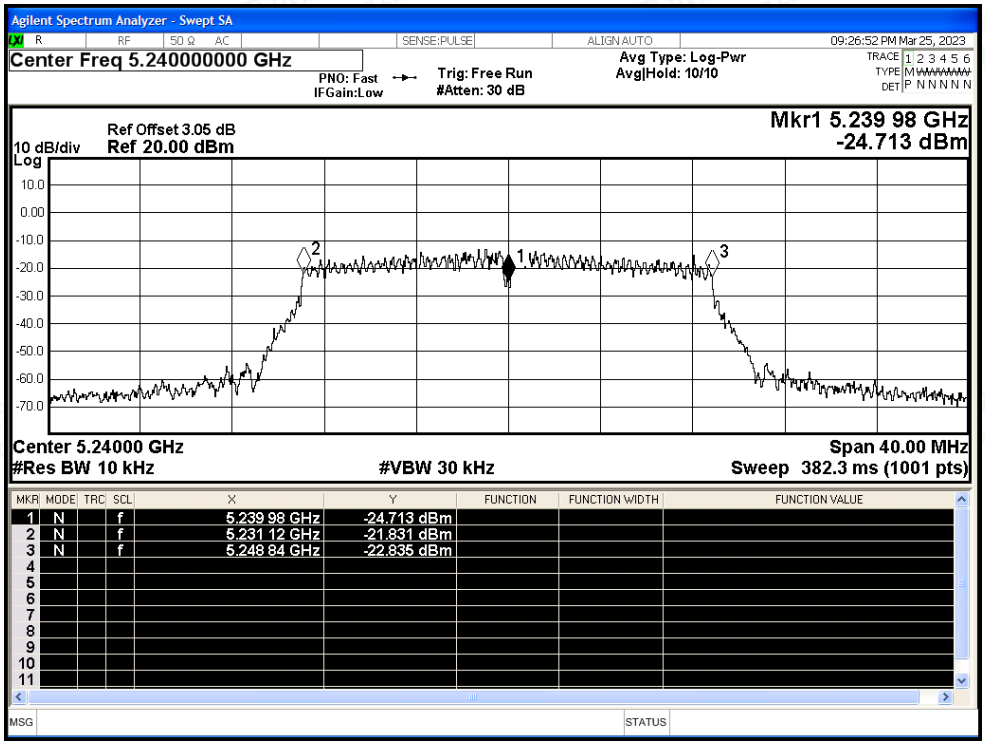
Freq. Stability NVNT ac20 5180MHz Ant1



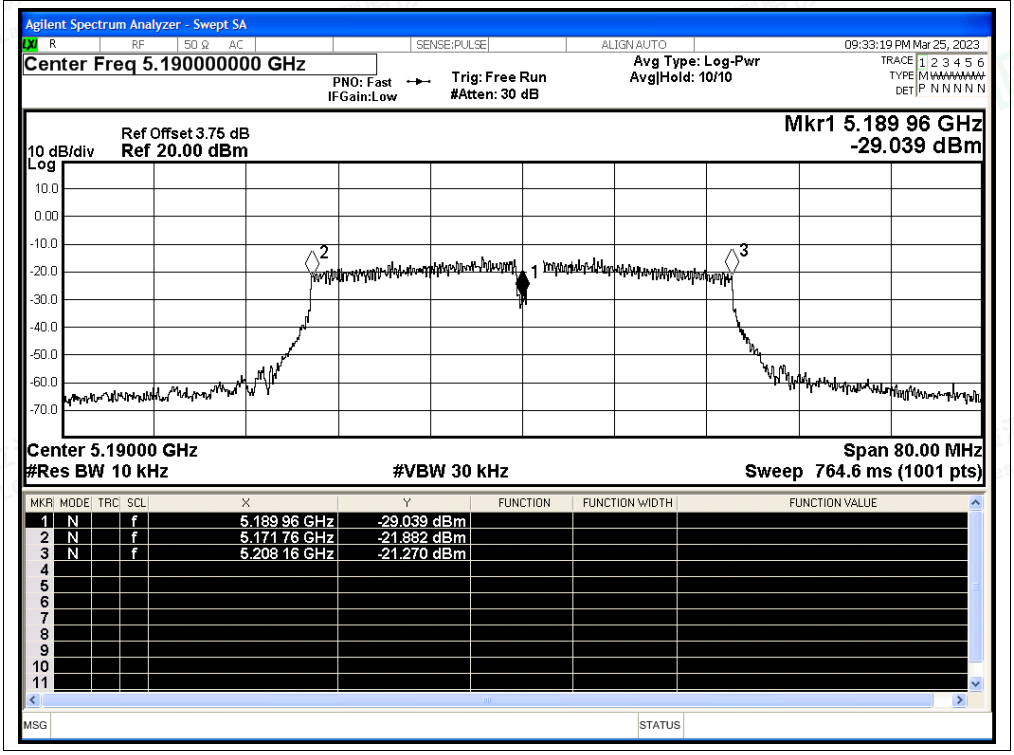
Freq. Stability NVNT ac20 5200MHz Ant1



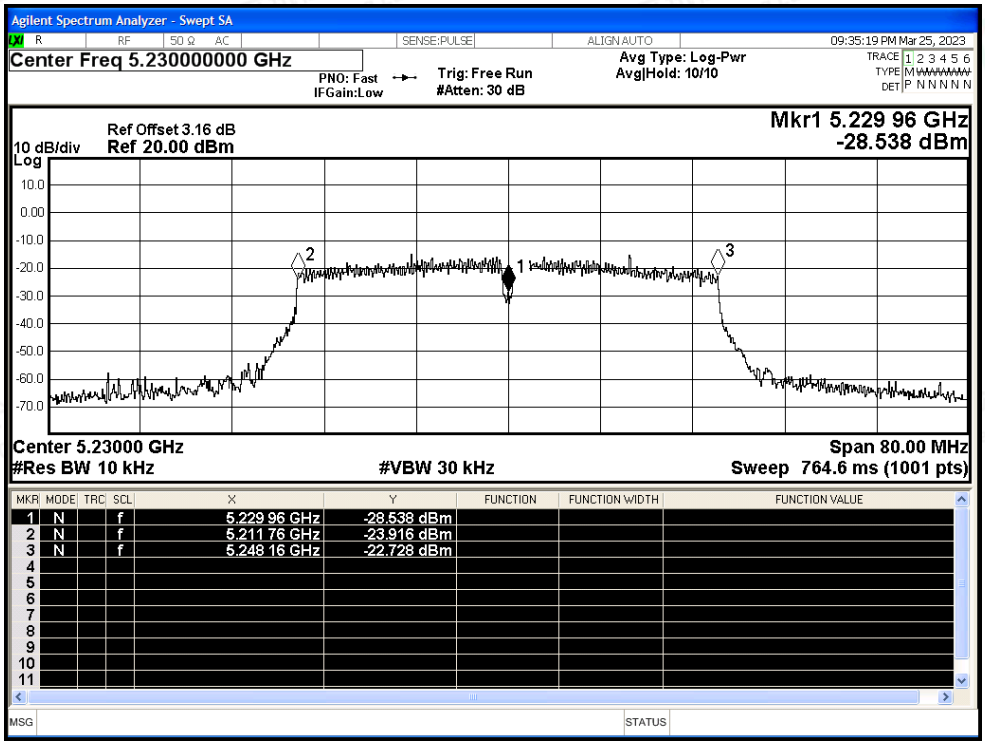
Freq. Stability NVNT ac20 5240MHz Ant1



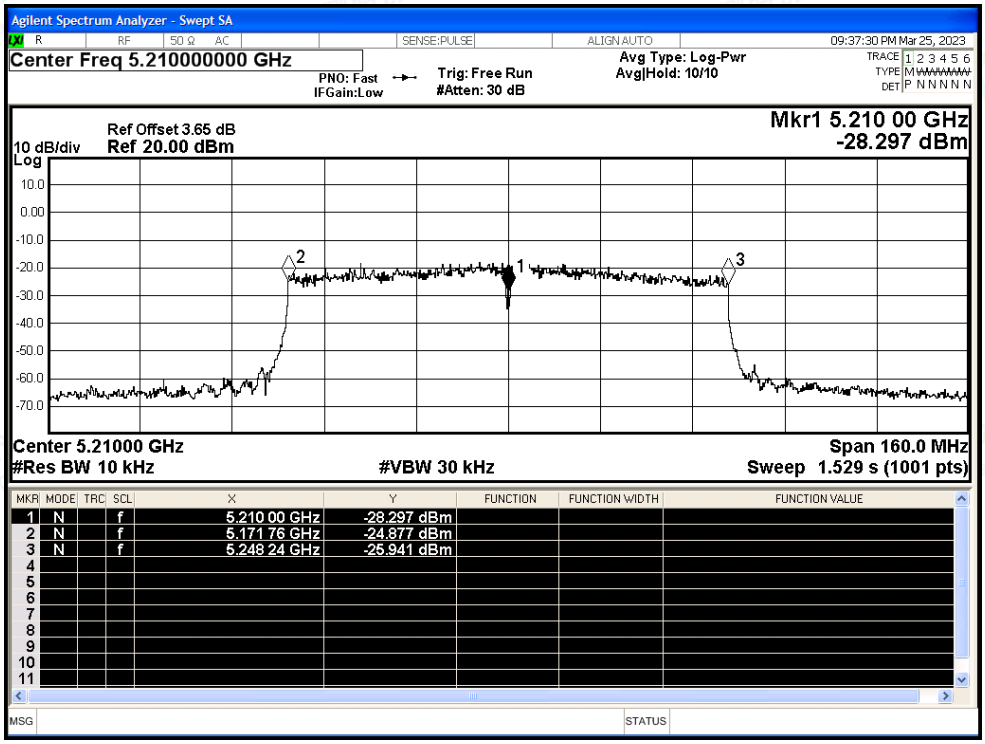
Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ac80 5210MHz Ant1

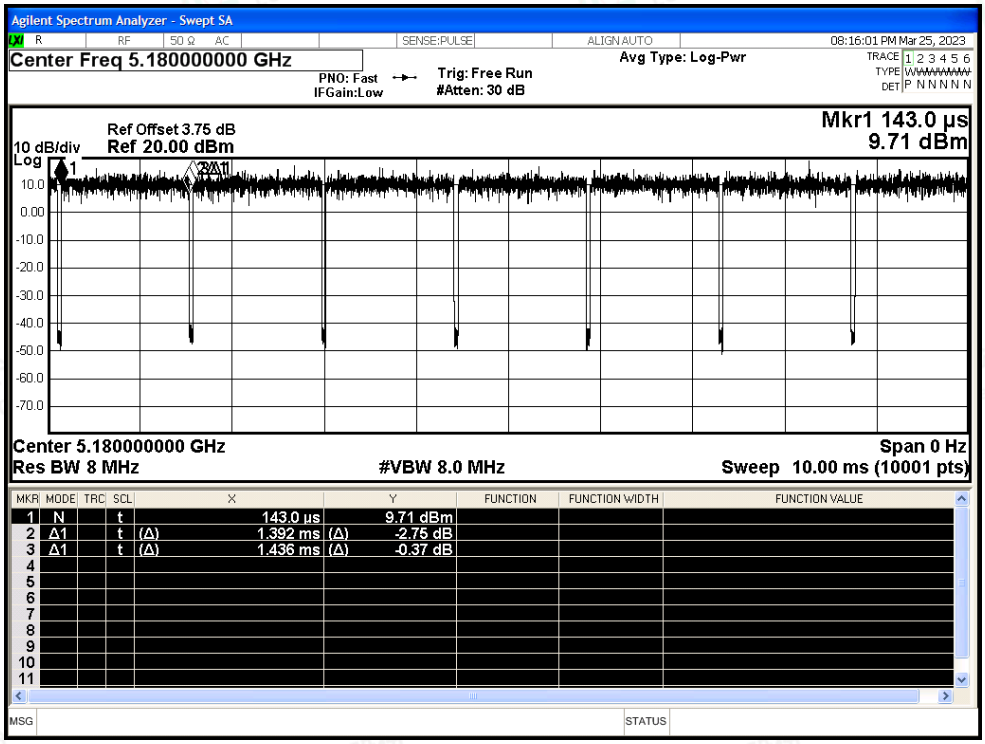


D.6 Duty Cycle

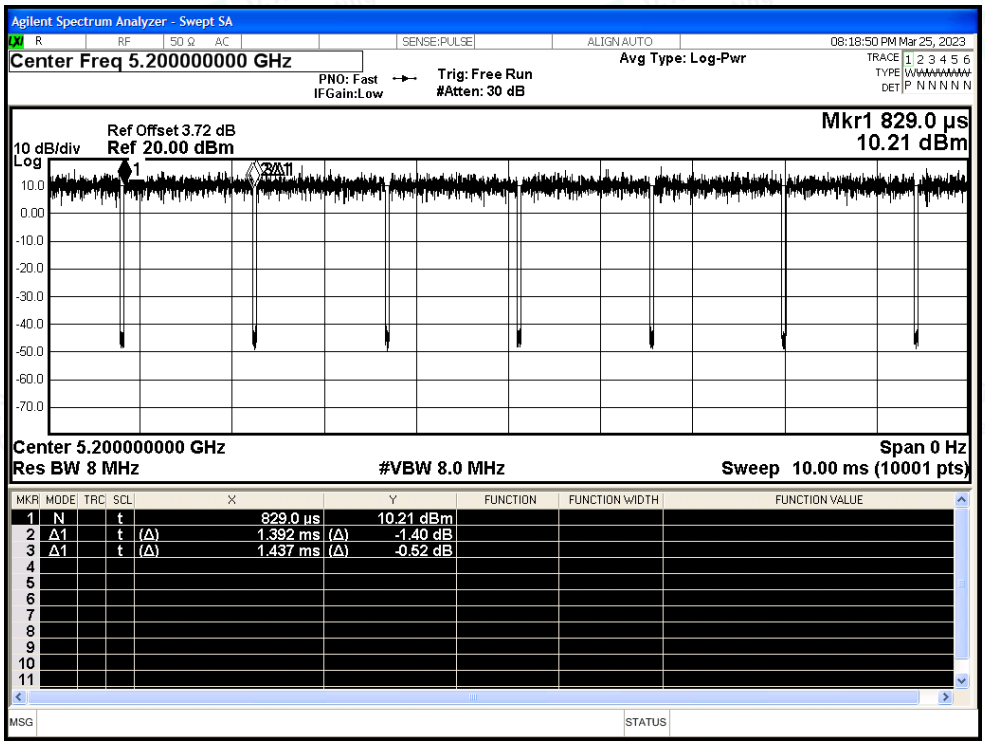
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant0	96.94	0.13	0.72
NVNT	a	5200	Ant0	96.87	0.14	0.72
NVNT	a	5240	Ant0	96.87	0.14	0.72
NVNT	n20	5180	Ant0	96.73	0.14	0.77
NVNT	n20	5200	Ant0	96.65	0.15	0.77
NVNT	n20	5240	Ant0	96.73	0.14	0.77
NVNT	n40	5190	Ant0	93.65	0.28	1.54
NVNT	n40	5230	Ant0	93.64	0.29	1.54
NVNT	ac20	5180	Ant0	96.7	0.15	0.76
NVNT	ac20	5200	Ant0	96.76	0.14	0.76
NVNT	ac20	5240	Ant0	96.76	0.14	0.76
NVNT	ac40	5190	Ant0	93.68	0.28	1.53
NVNT	ac40	5230	Ant0	93.82	0.28	1.53
NVNT	ac80	5210	Ant0	88.04	0.55	3.09

Test Graphs

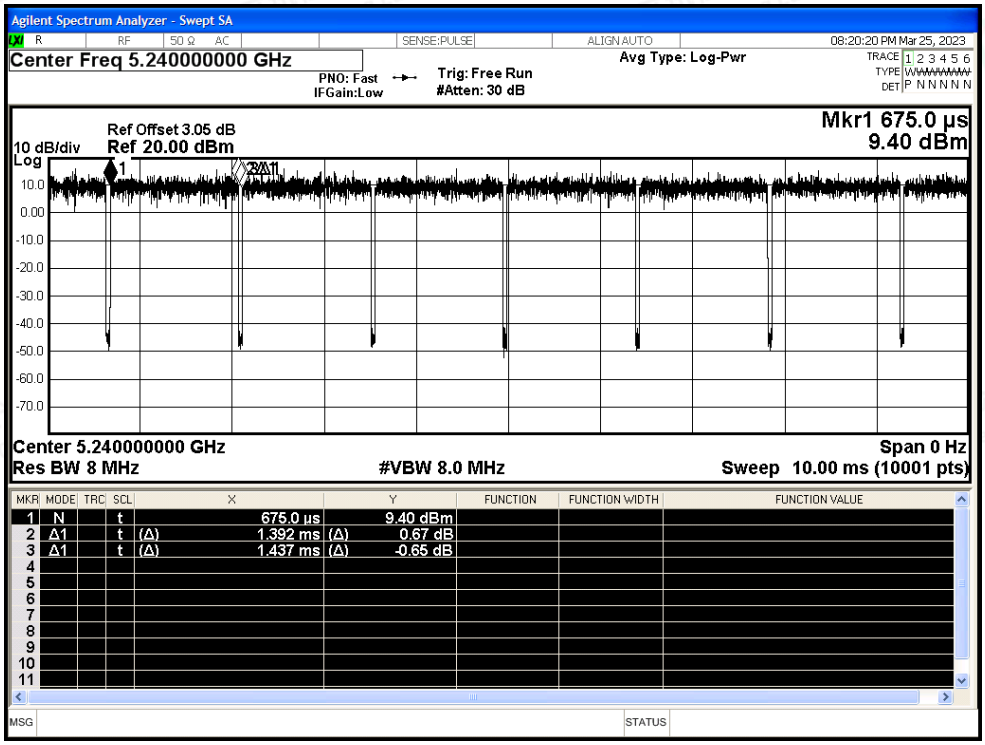
Duty Cycle NVNT a 5180MHz Ant0



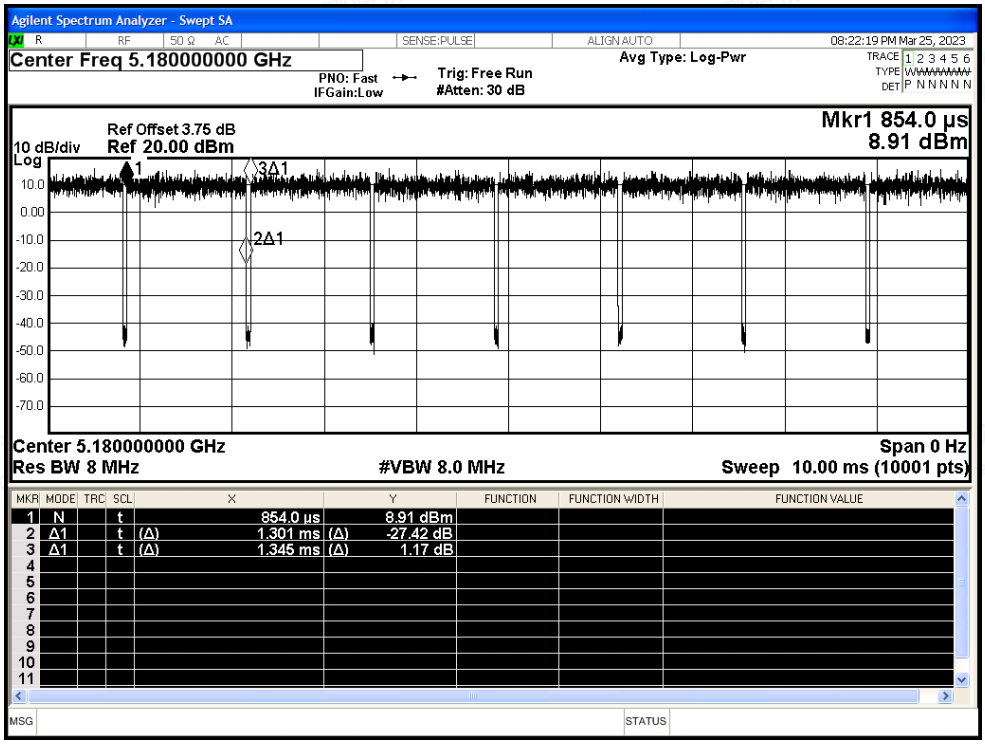
Duty Cycle NVNT a 5200MHz Ant0



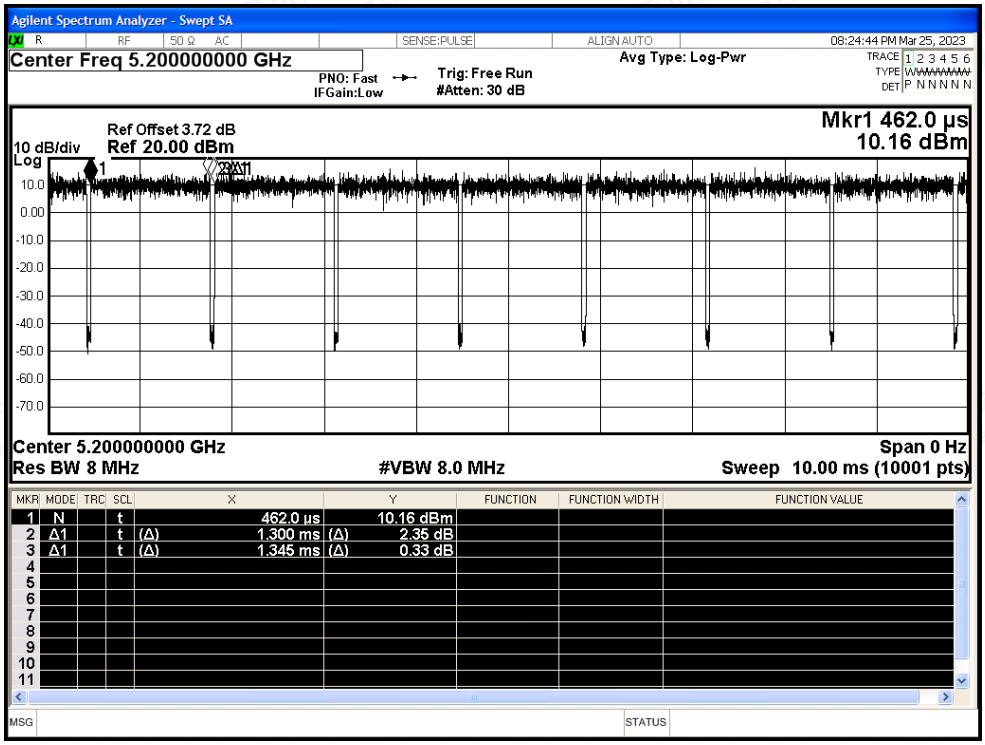
Duty Cycle NVNT a 5240MHz Ant0



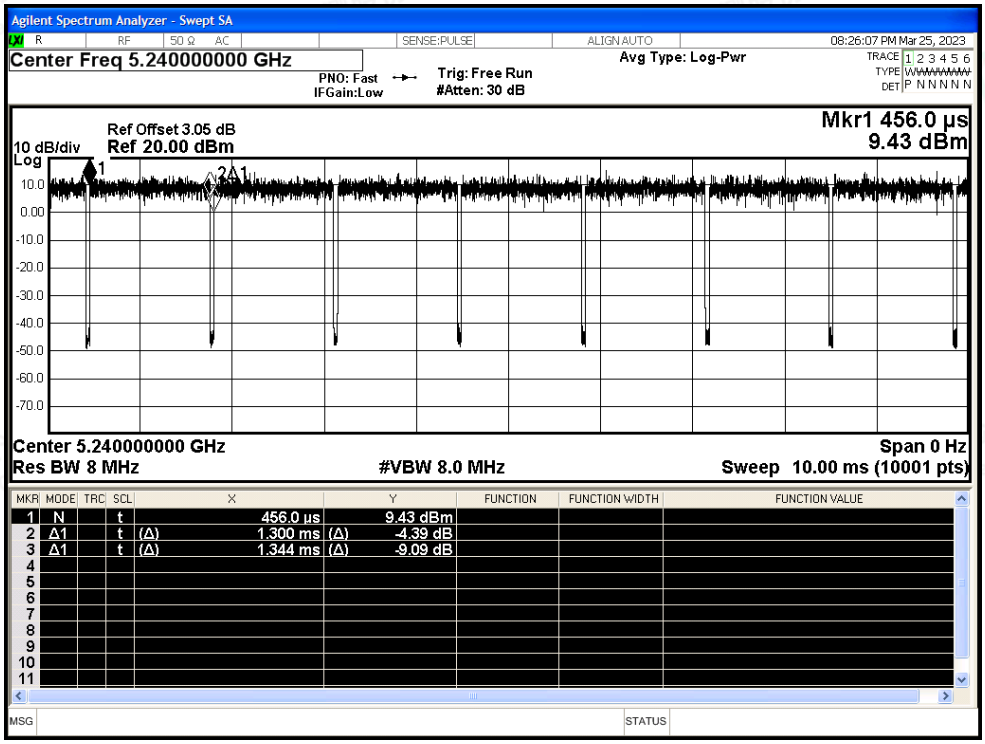
Duty Cycle NVNT n20 5180MHz Ant0



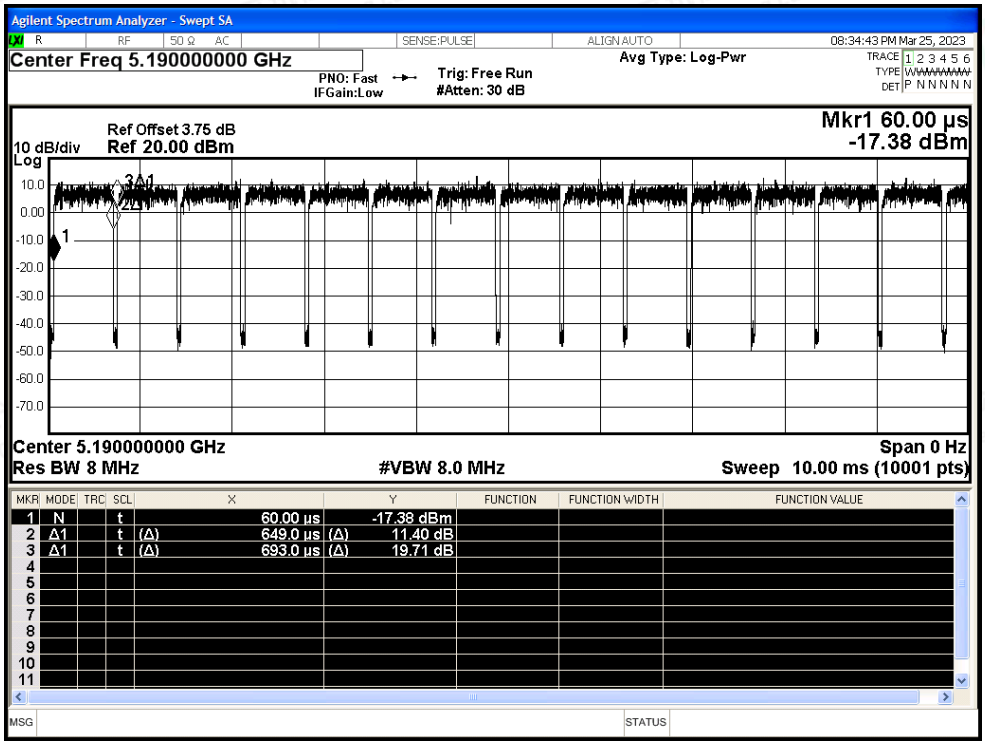
Duty Cycle NVNT n20 5200MHz Ant0



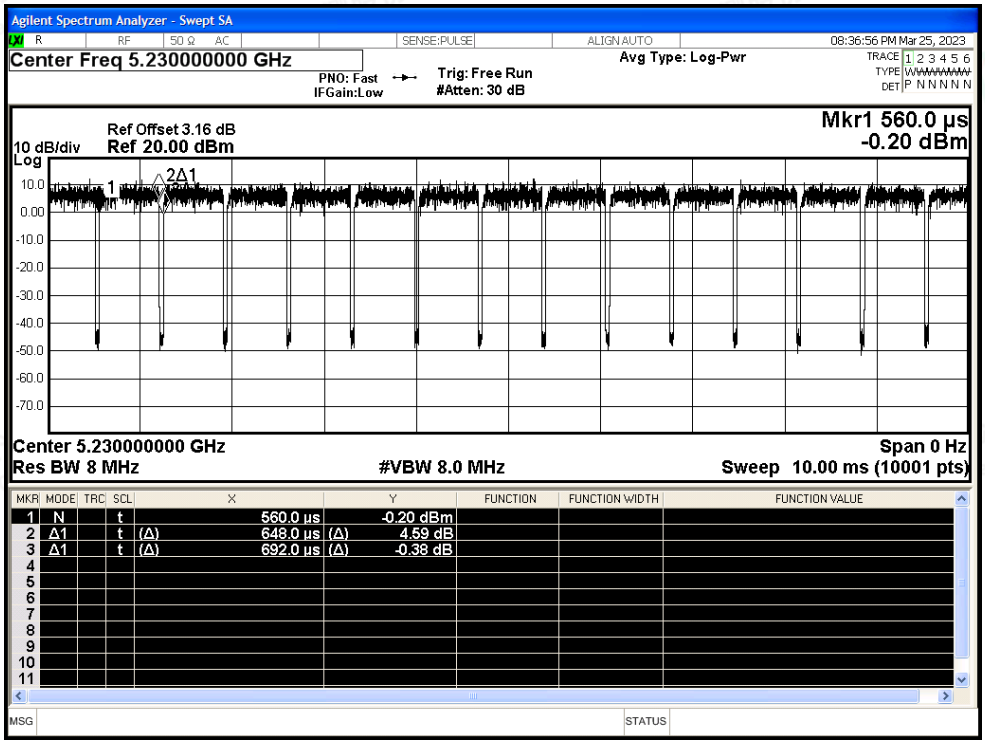
Duty Cycle NVNT n20 5240MHz Ant0



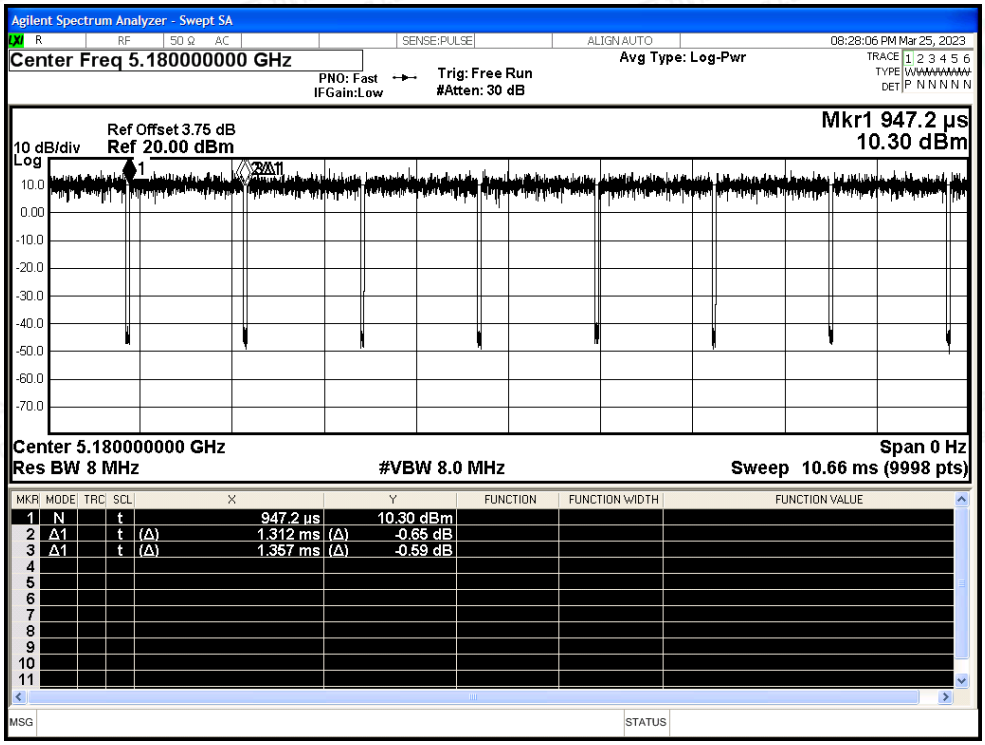
Duty Cycle NVNT n40 5190MHz Ant0



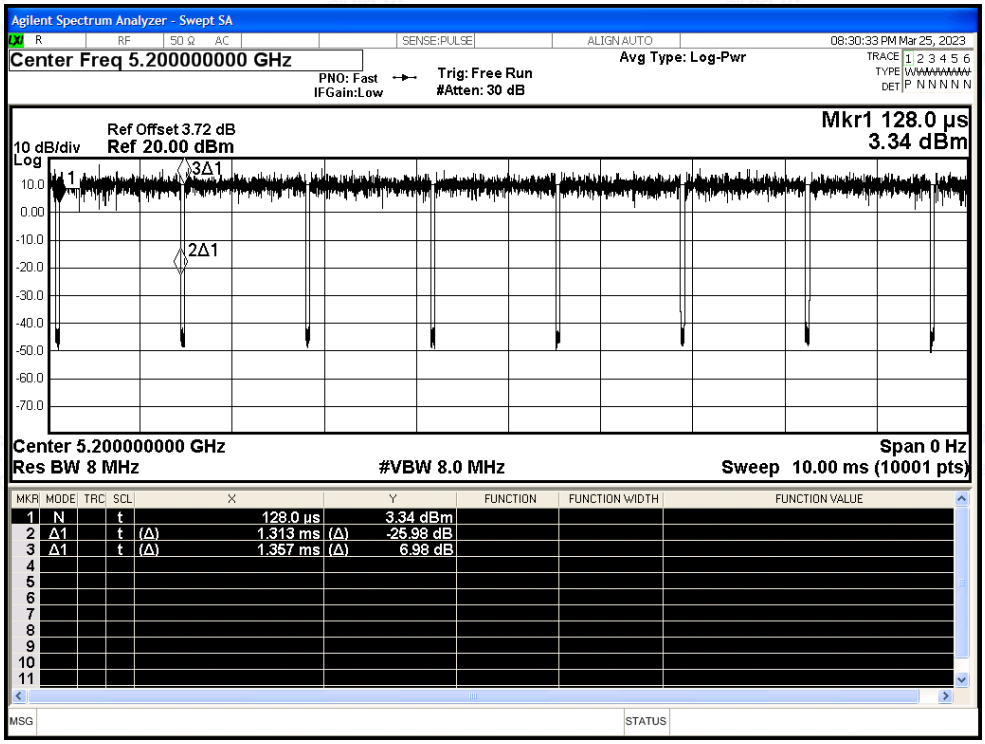
Duty Cycle NVNT n40 5230MHz Ant0



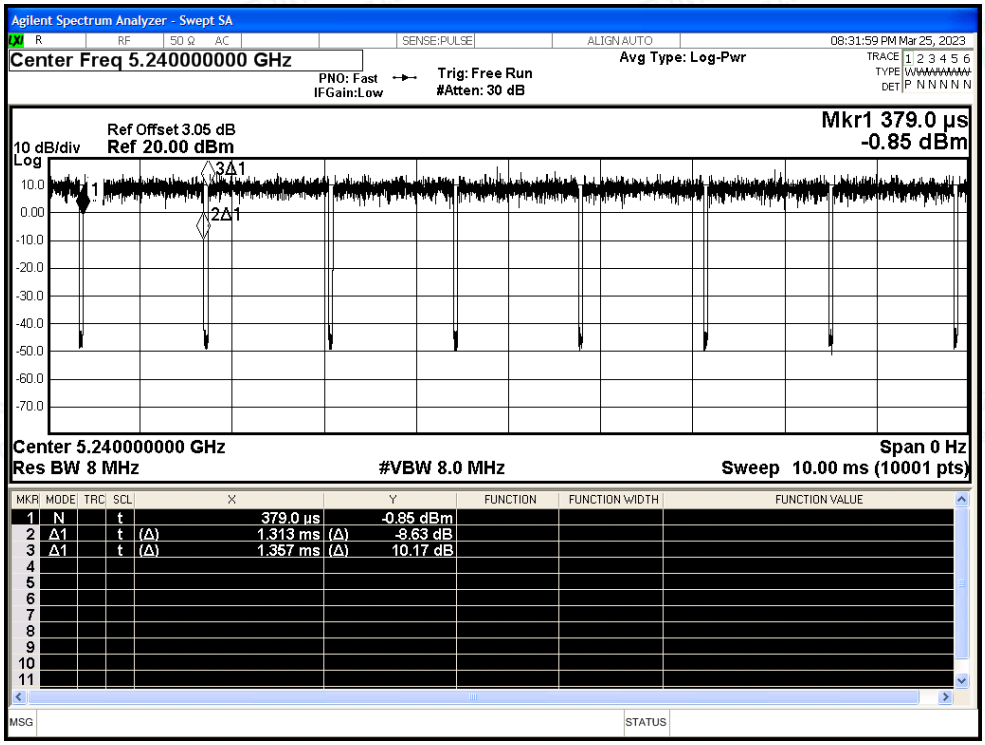
Duty Cycle NVNT ac20 5180MHz Ant0



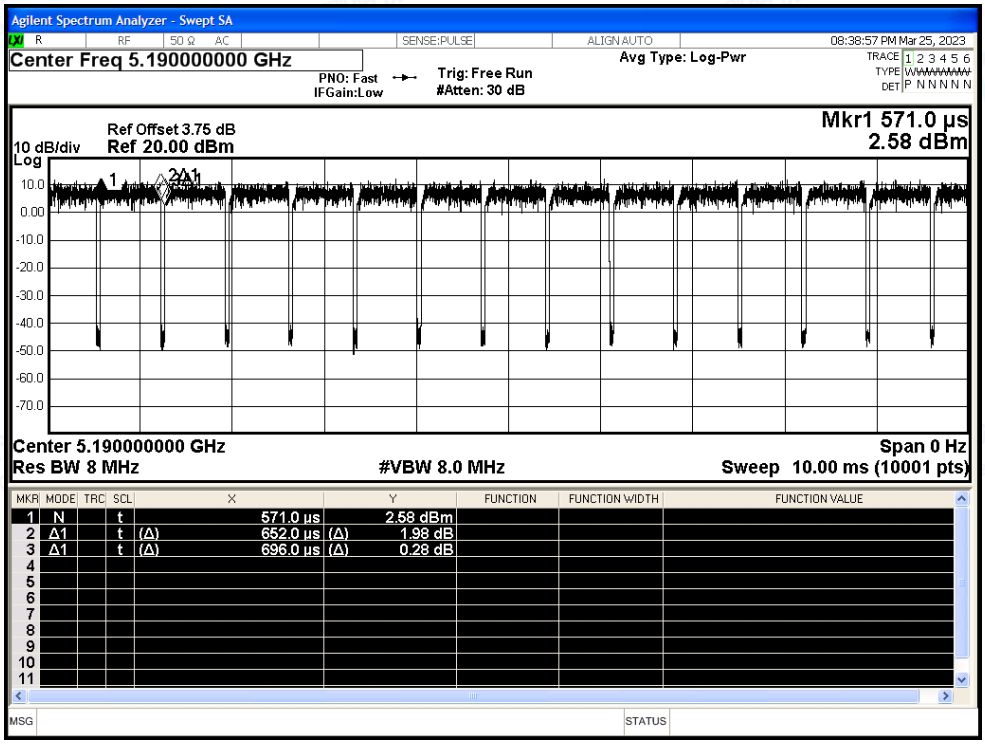
Duty Cycle NVNT ac20 5200MHz Ant0



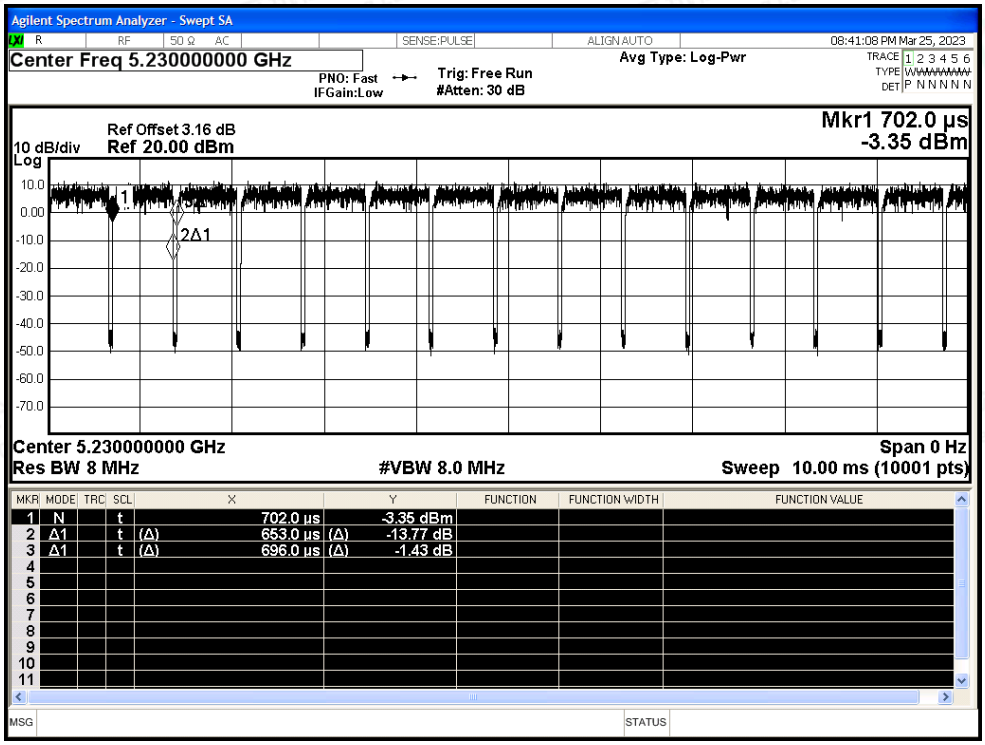
Duty Cycle NVNT ac20 5240MHz Ant0



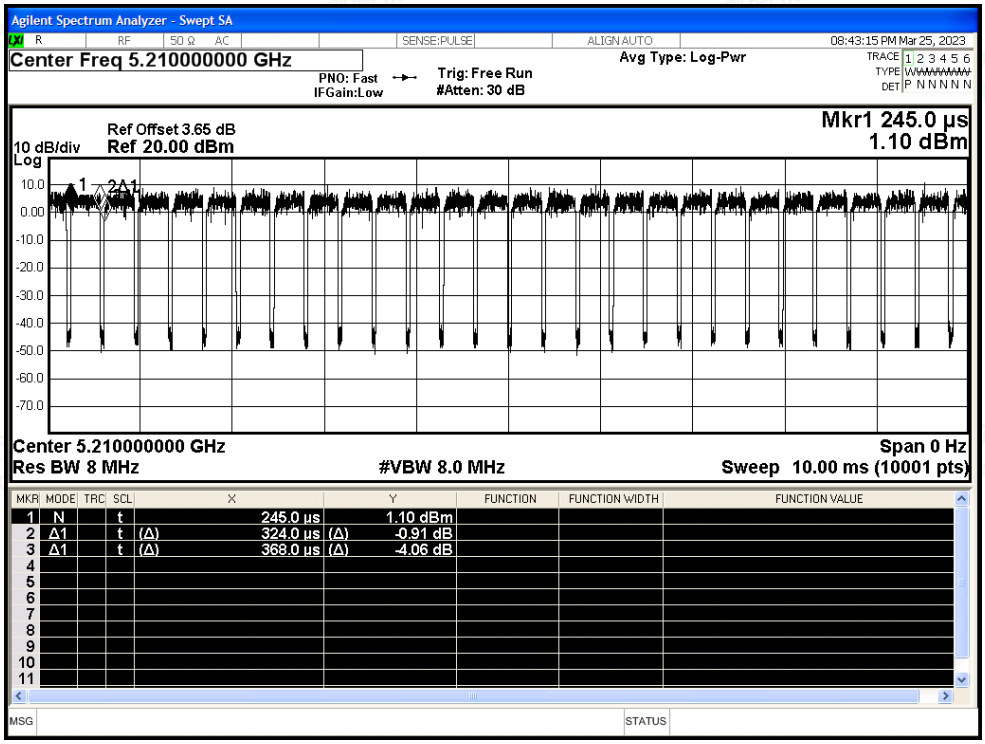
Duty Cycle NVNT ac40 5190MHz Ant0



Duty Cycle NVNT ac40 5230MHz Ant0



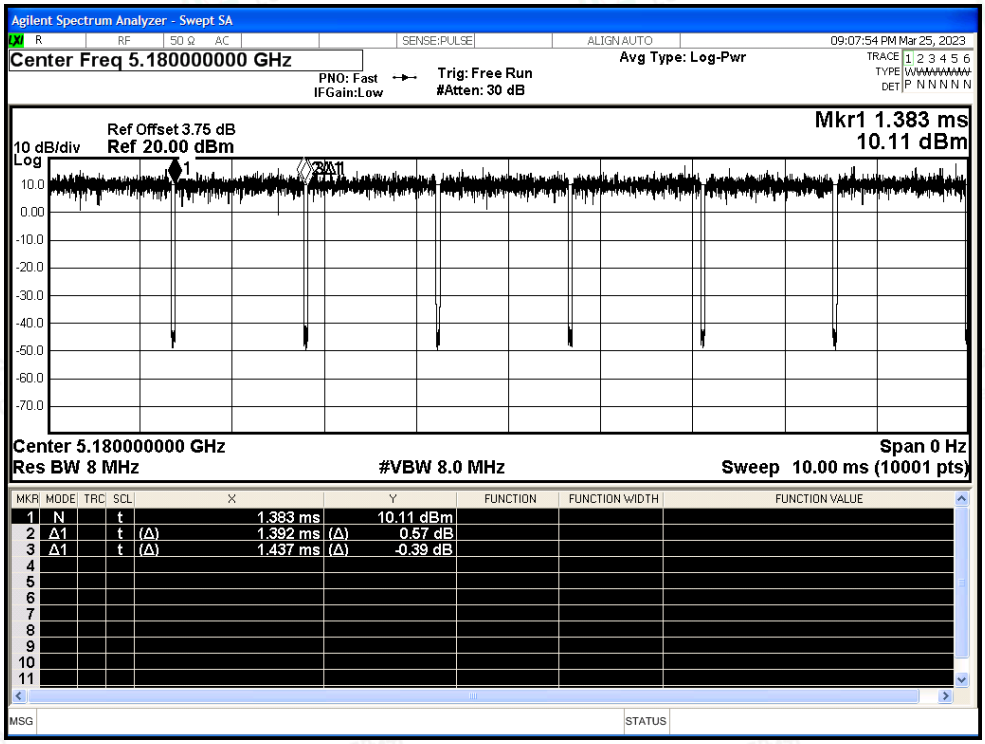
Duty Cycle NVNT ac80 5210MHz Ant0



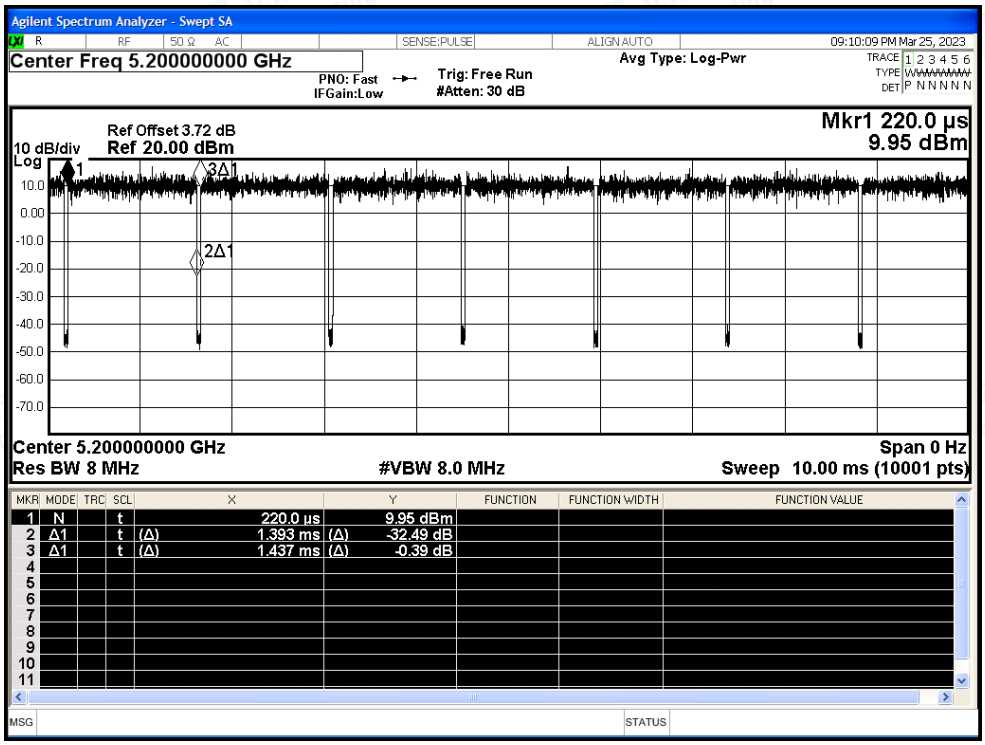
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	96.87	0.14	0.72
NVNT	a	5200	Ant1	96.94	0.13	0.72
NVNT	a	5240	Ant1	96.94	0.13	0.72
NVNT	n20	5180	Ant1	96.73	0.14	0.77
NVNT	n20	5200	Ant1	96.73	0.14	0.77
NVNT	n20	5240	Ant1	96.73	0.14	0.77
NVNT	n40	5190	Ant1	93.64	0.29	1.54
NVNT	n40	5230	Ant1	93.79	0.28	1.54
NVNT	ac20	5180	Ant1	96.78	0.14	0.76
NVNT	ac20	5200	Ant1	96.76	0.14	0.76
NVNT	ac20	5240	Ant1	96.68	0.15	0.76
NVNT	ac40	5190	Ant1	93.82	0.28	1.53
NVNT	ac40	5230	Ant1	93.68	0.28	1.53
NVNT	ac80	5210	Ant1	88.04	0.55	3.09

Test Graphs

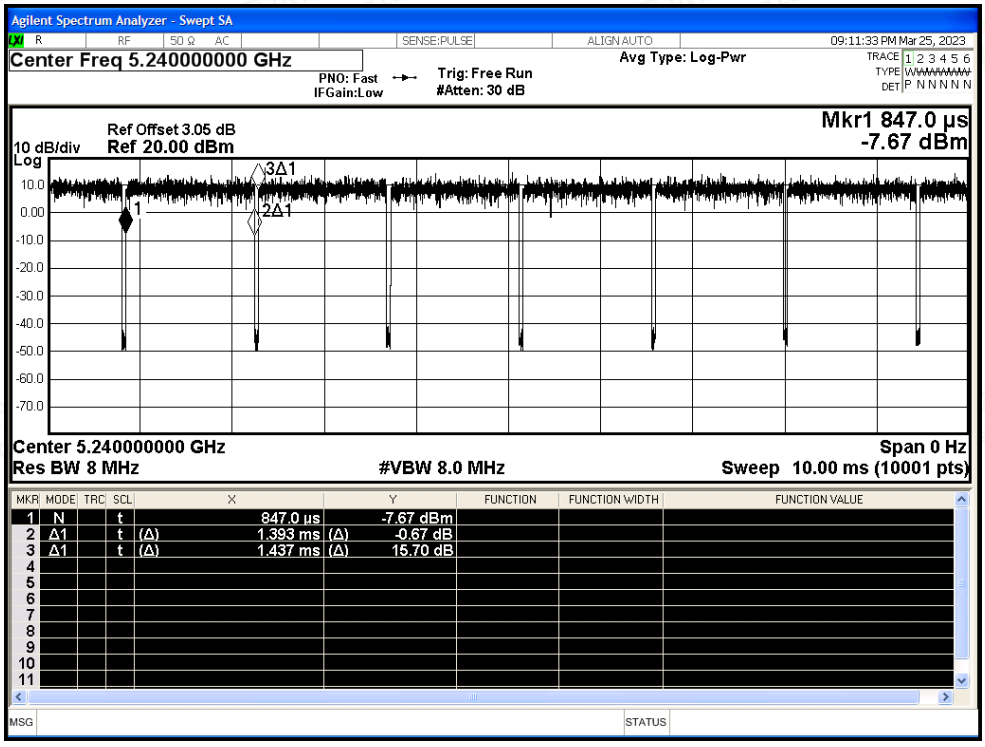
Duty Cycle NVNT a 5180MHz Ant1



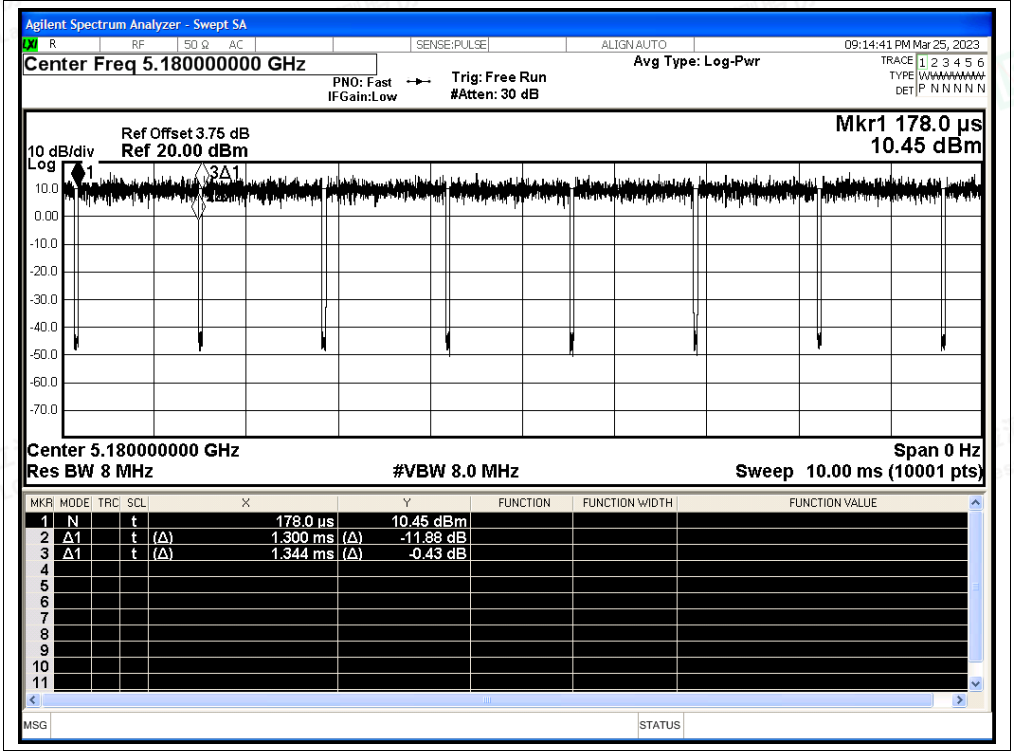
Duty Cycle NVNT a 5200MHz Ant1



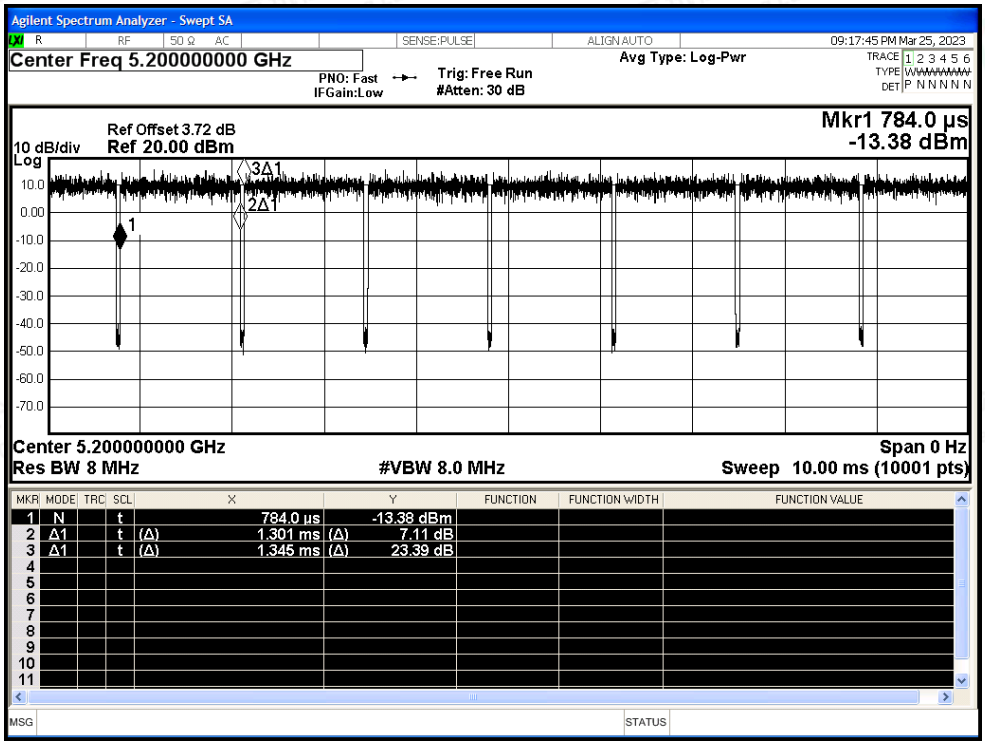
Duty Cycle NVNT a 5240MHz Ant1



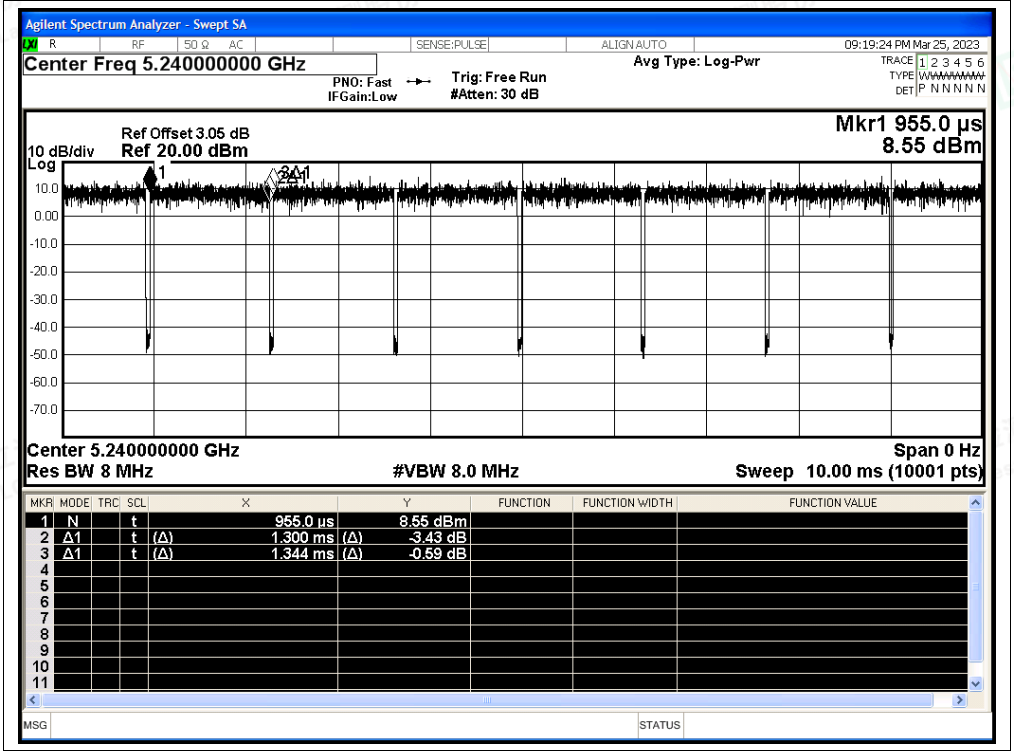
Duty Cycle NVNT n20 5180MHz Ant1



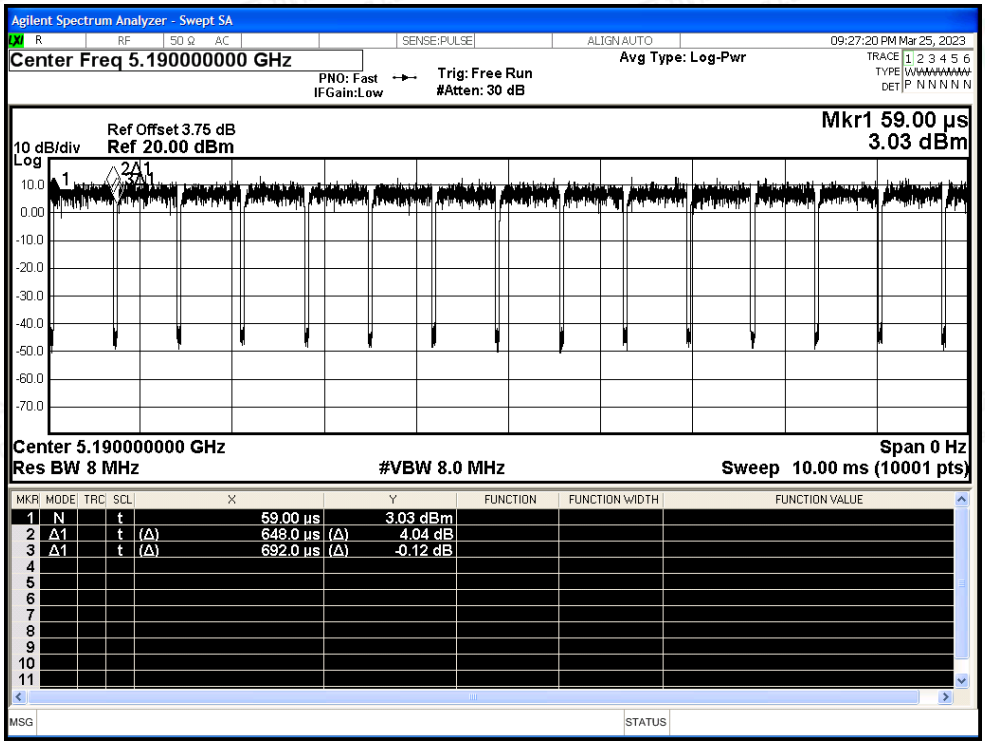
Duty Cycle NVNT n20 5200MHz Ant1



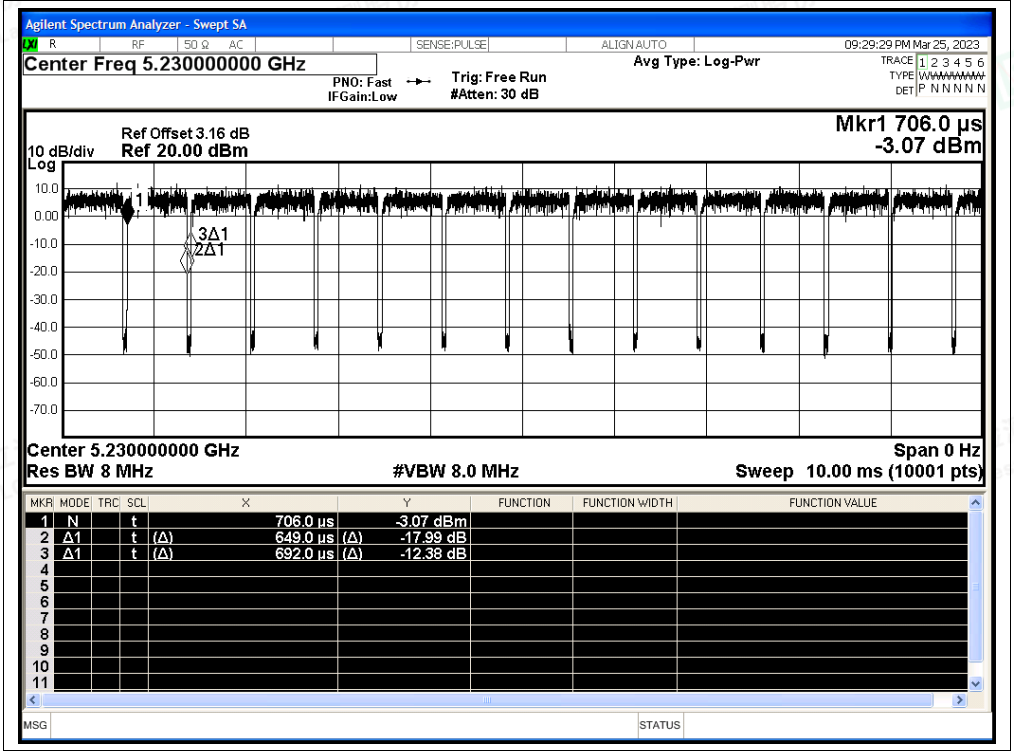
Duty Cycle NVNT n20 5240MHz Ant1



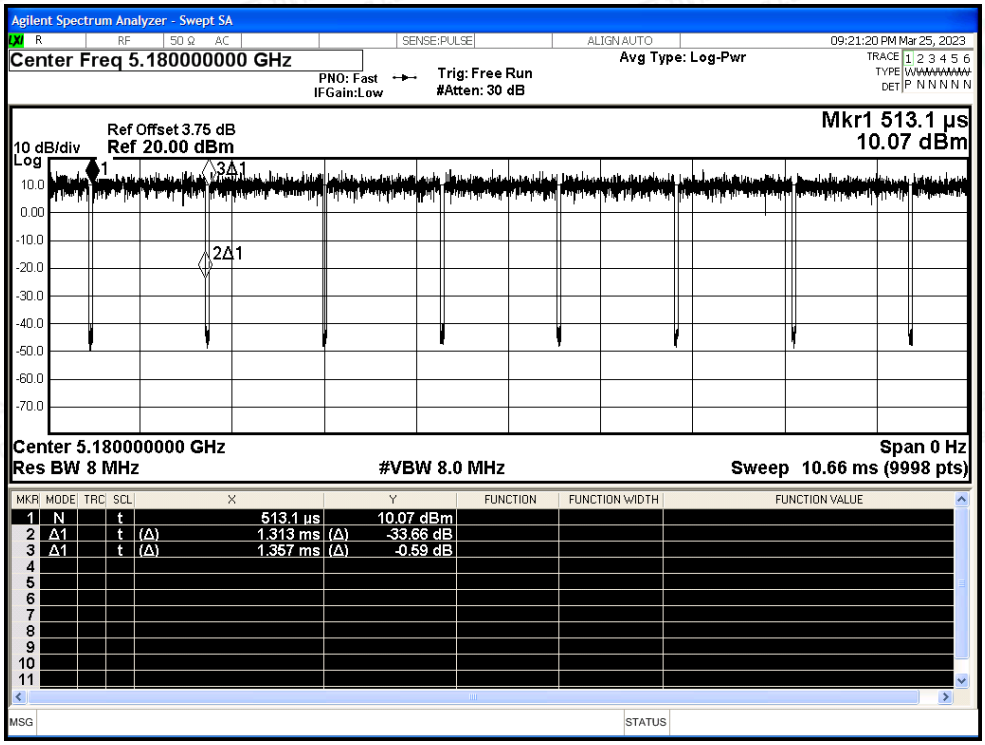
Duty Cycle NVNT n40 5190MHz Ant1



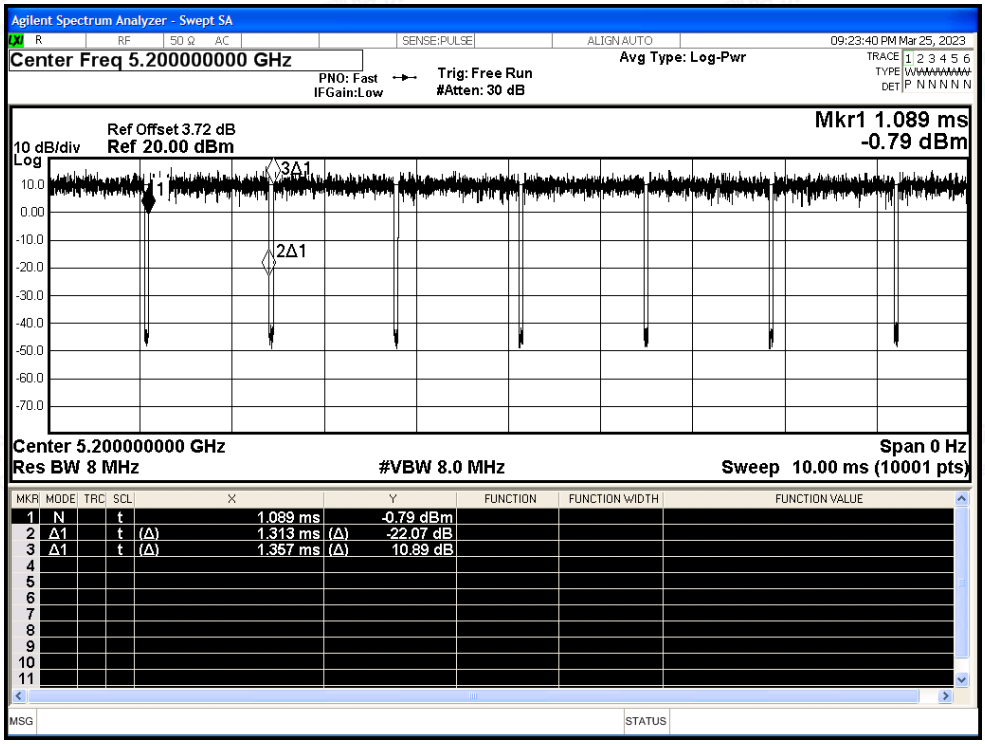
Duty Cycle NVNT n40 5230MHz Ant1



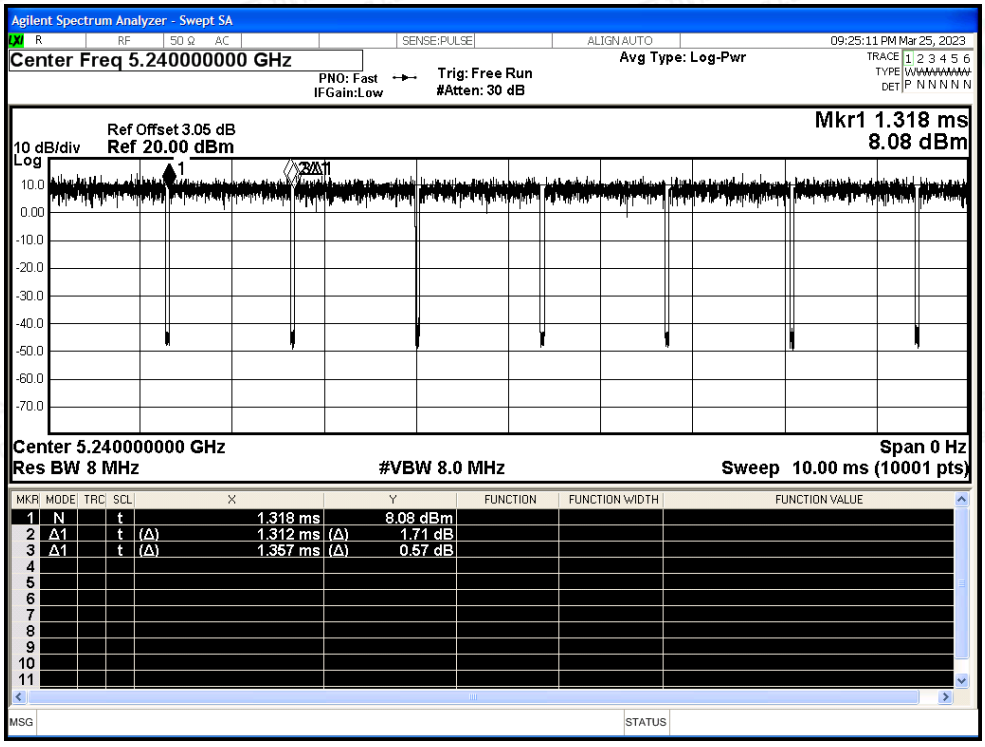
Duty Cycle NVNT ac20 5180MHz Ant1



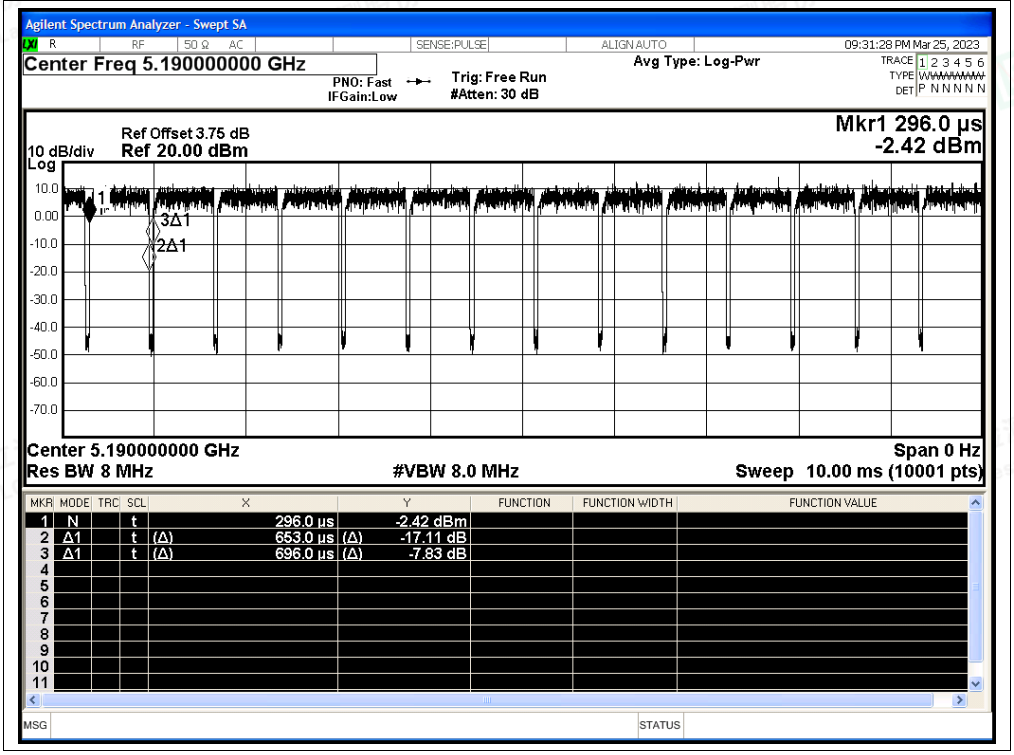
Duty Cycle NVNT ac20 5200MHz Ant1



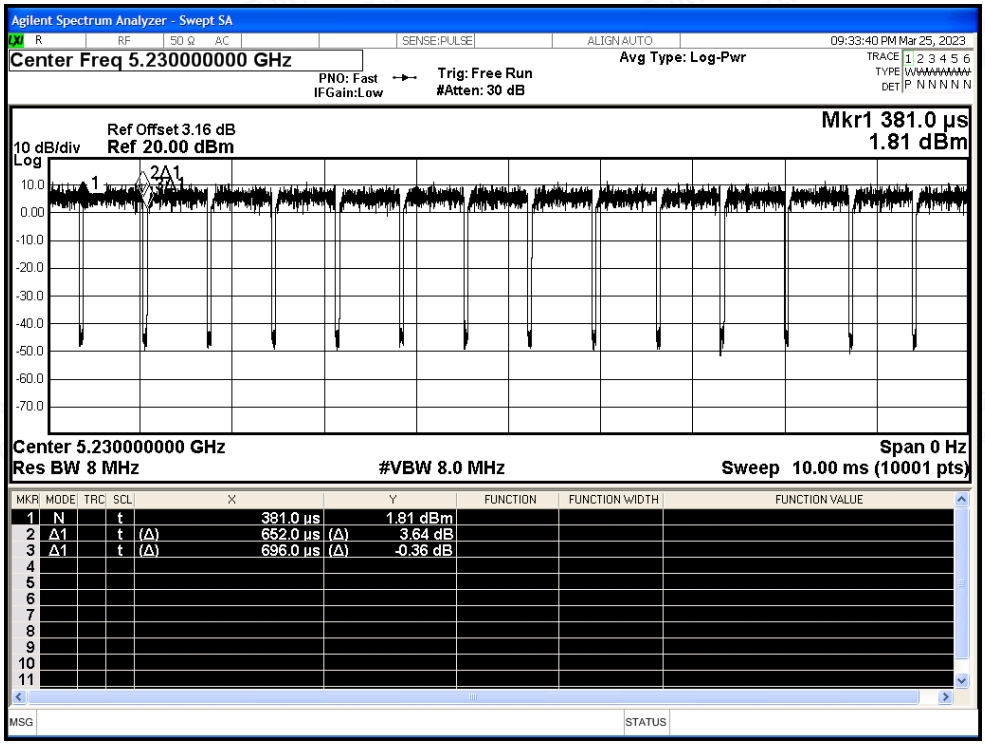
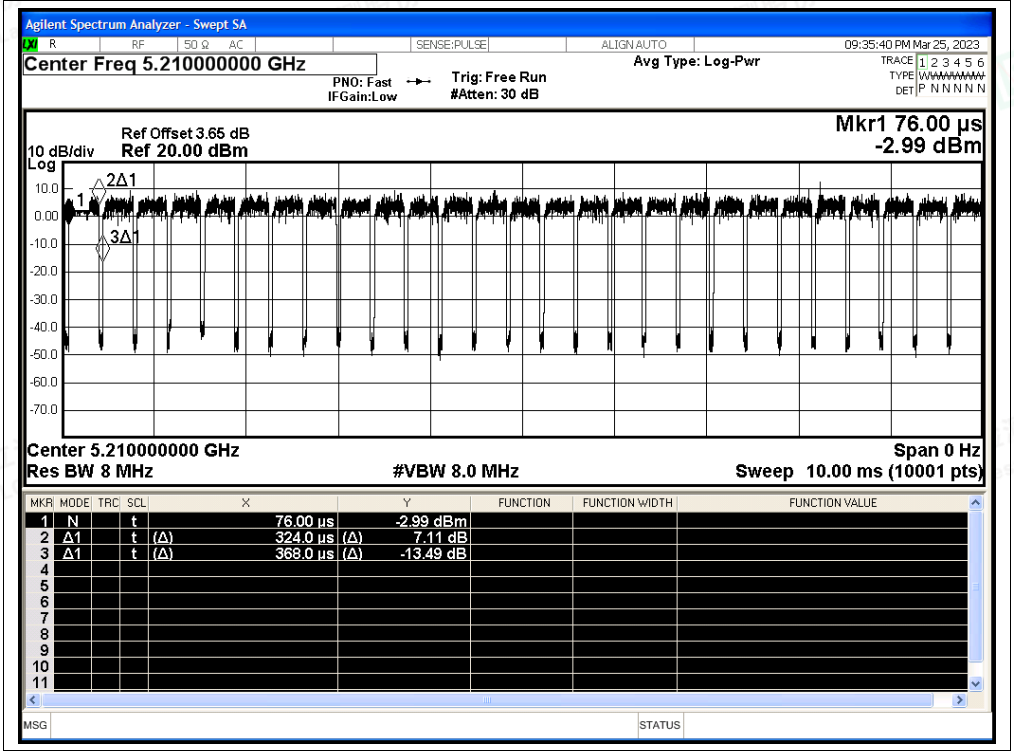
Duty Cycle NVNT ac20 5240MHz Ant1



Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1