Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Set top box

Test Model: Real Vision 4K Plus

Environmental Conditions

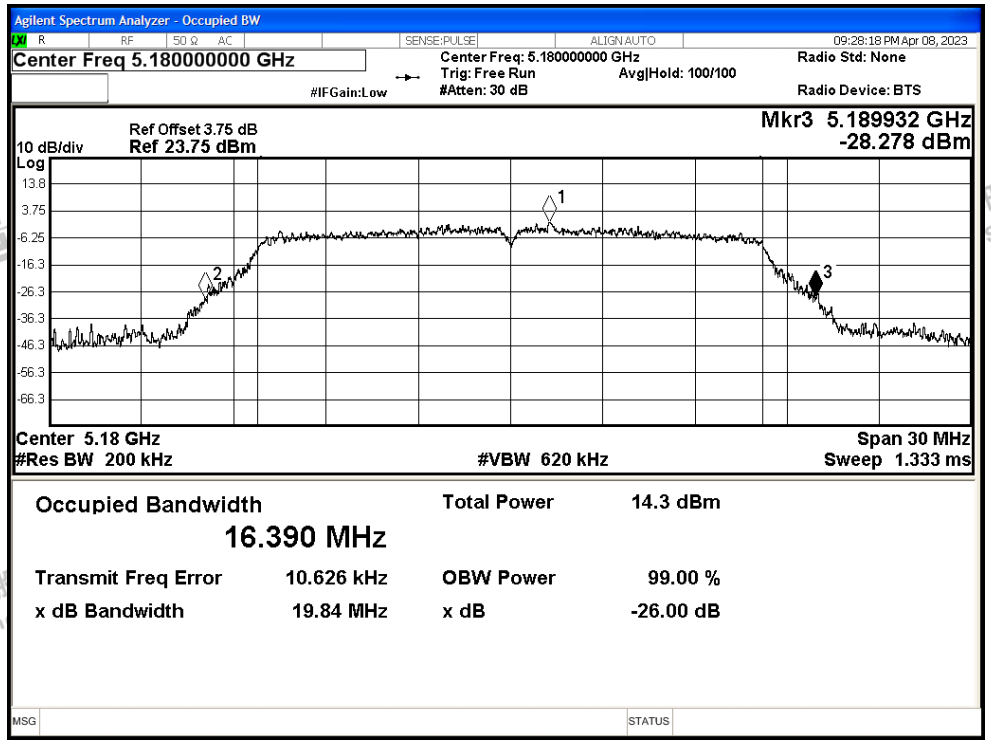
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	Ling Zhu

D.1 -26dB Bandwidth

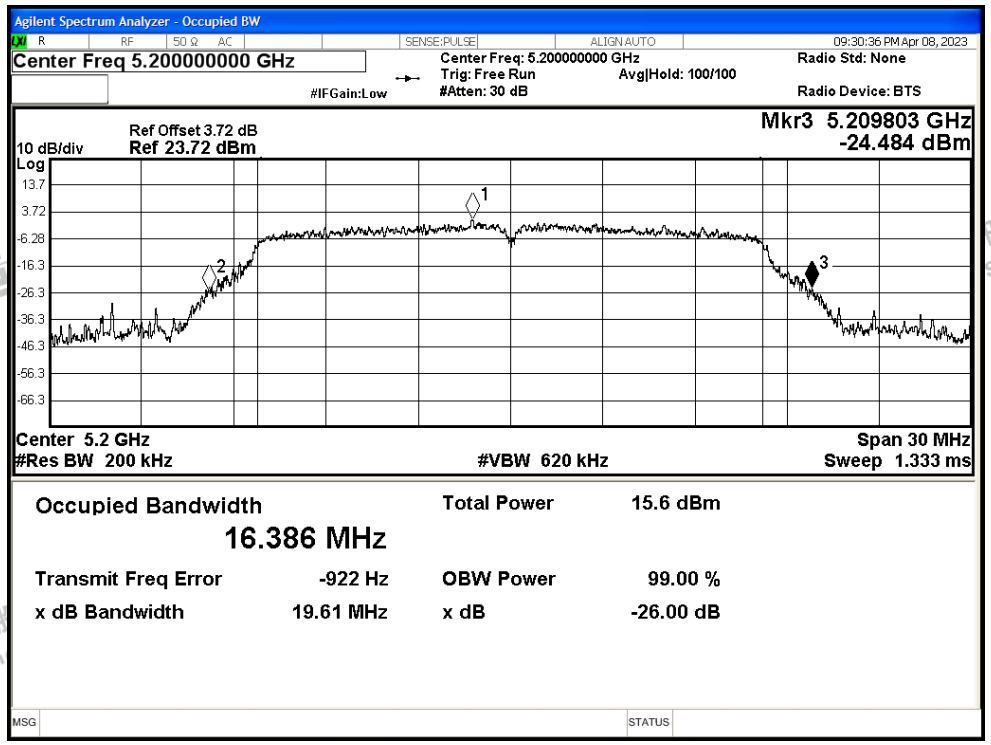
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant0	19.842	>=0.5	Pass
NVNT	a	5200	Ant0	19.609	>=0.5	Pass
NVNT	a	5240	Ant0	19.498	>=0.5	Pass
NVNT	n20	5180	Ant0	19.818	>=0.5	Pass
NVNT	n20	5200	Ant0	19.755	>=0.5	Pass
NVNT	n20	5240	Ant0	19.974	>=0.5	Pass
NVNT	n40	5190	Ant0	39.946	>=0.5	Pass
NVNT	n40	5230	Ant0	40.14	>=0.5	Pass
NVNT	ac20	5180	Ant0	20.147	>=0.5	Pass
NVNT	ac20	5200	Ant0	19.973	>=0.5	Pass
NVNT	ac20	5240	Ant0	20.179	>=0.5	Pass
NVNT	ac40	5190	Ant0	39.674	>=0.5	Pass
NVNT	ac40	5230	Ant0	40.221	>=0.5	Pass
NVNT	ac80	5210	Ant0	80.176	>=0.5	Pass

Test Graphs

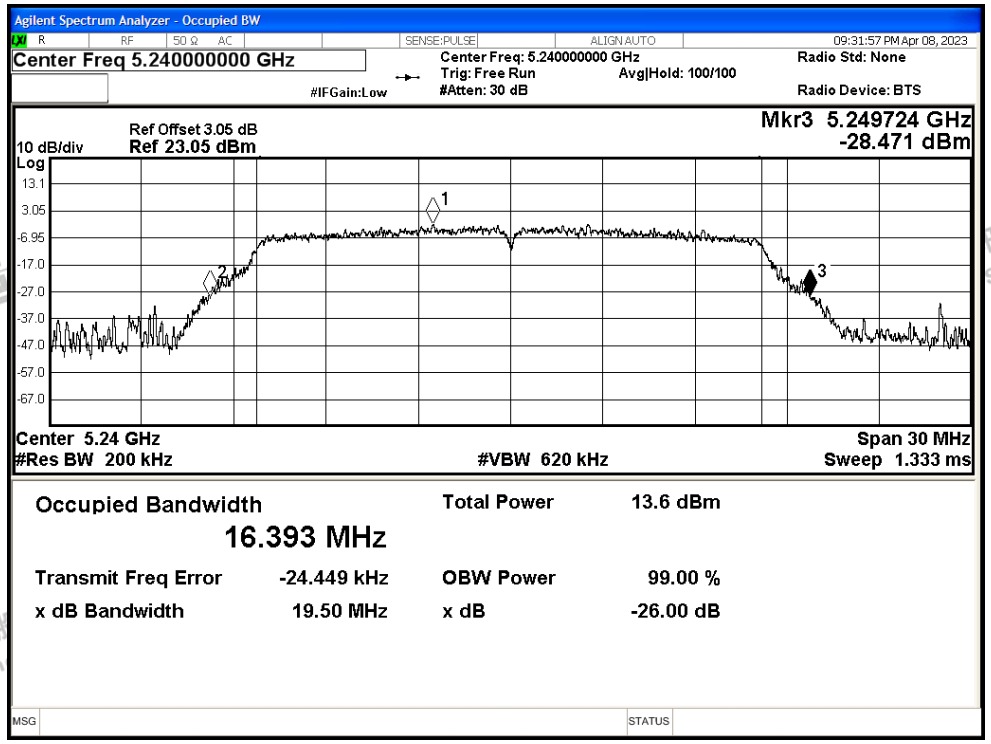
-26dB Bandwidth NVNT a 5180MHz Ant0



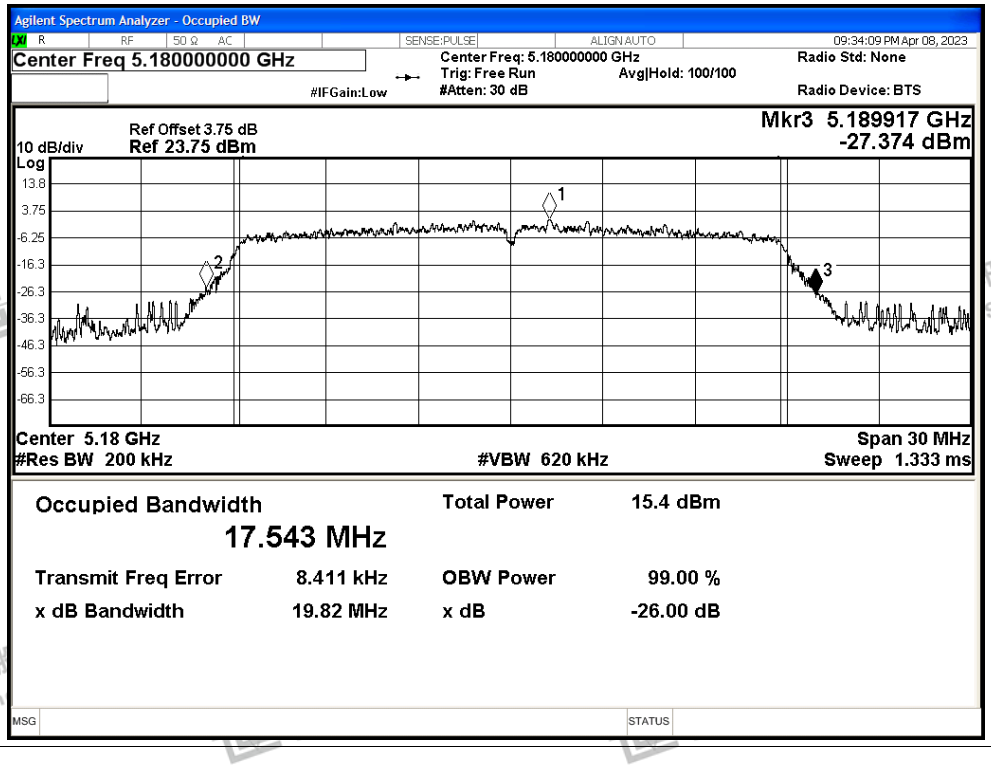
-26dB Bandwidth NVNT a 5200MHz Ant0



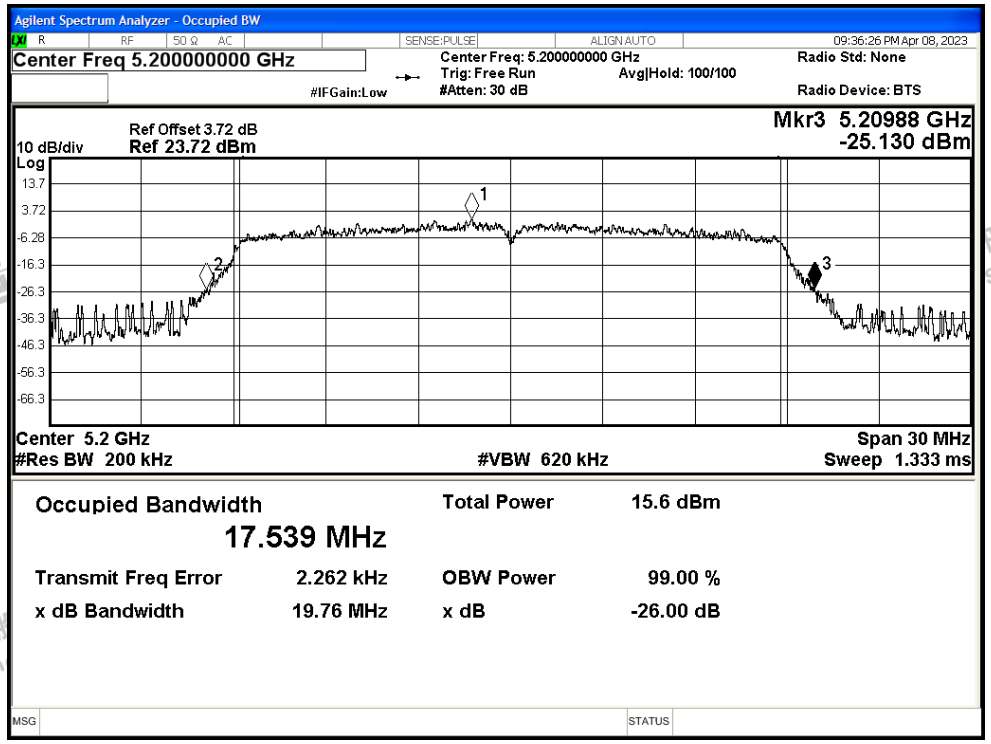
-26dB Bandwidth NVNT a 5240MHz Ant0



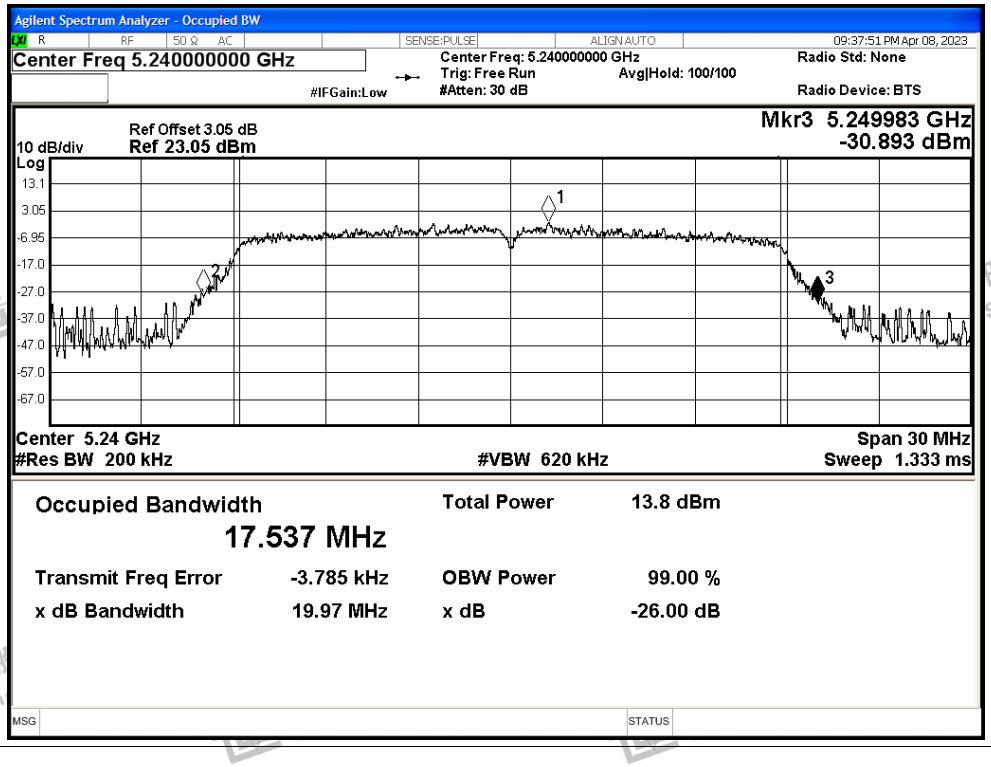
-26dB Bandwidth NVNT n20 5180MHz Ant0



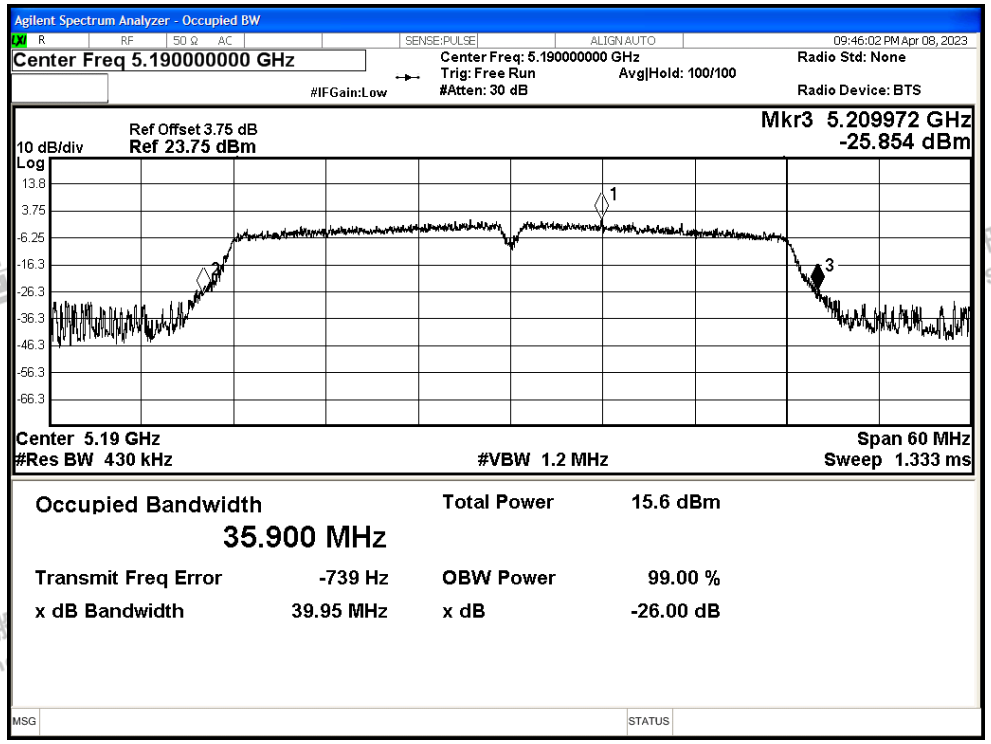
-26dB Bandwidth NVNT n20 5200MHz Ant0



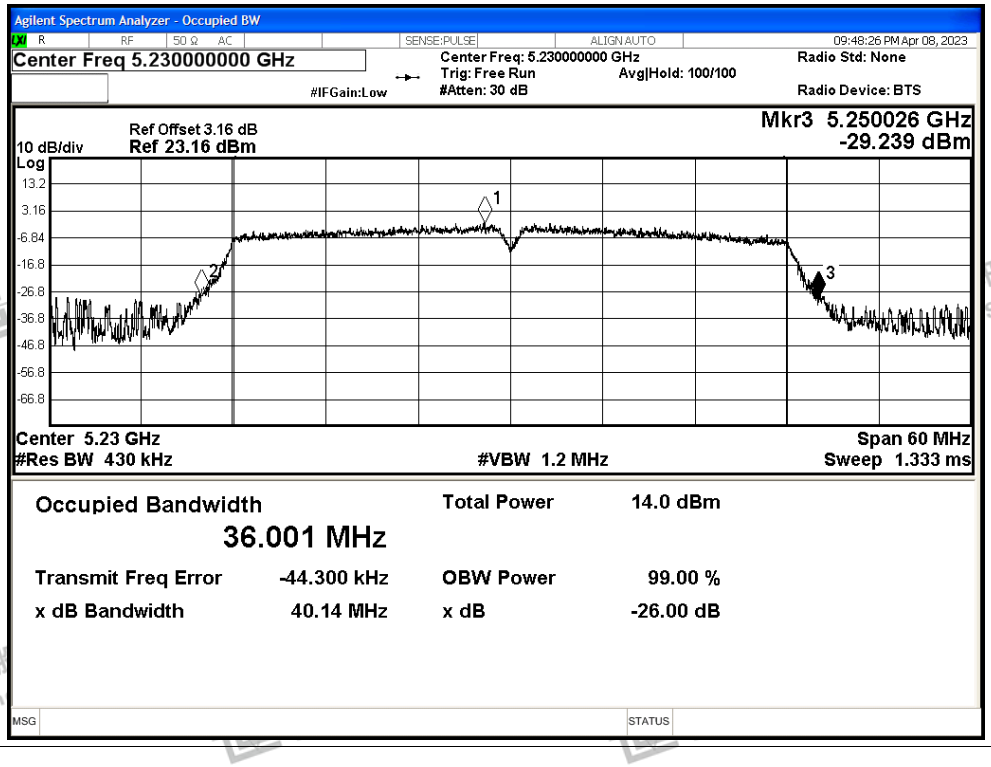
-26dB Bandwidth NVNT n20 5240MHz Ant0



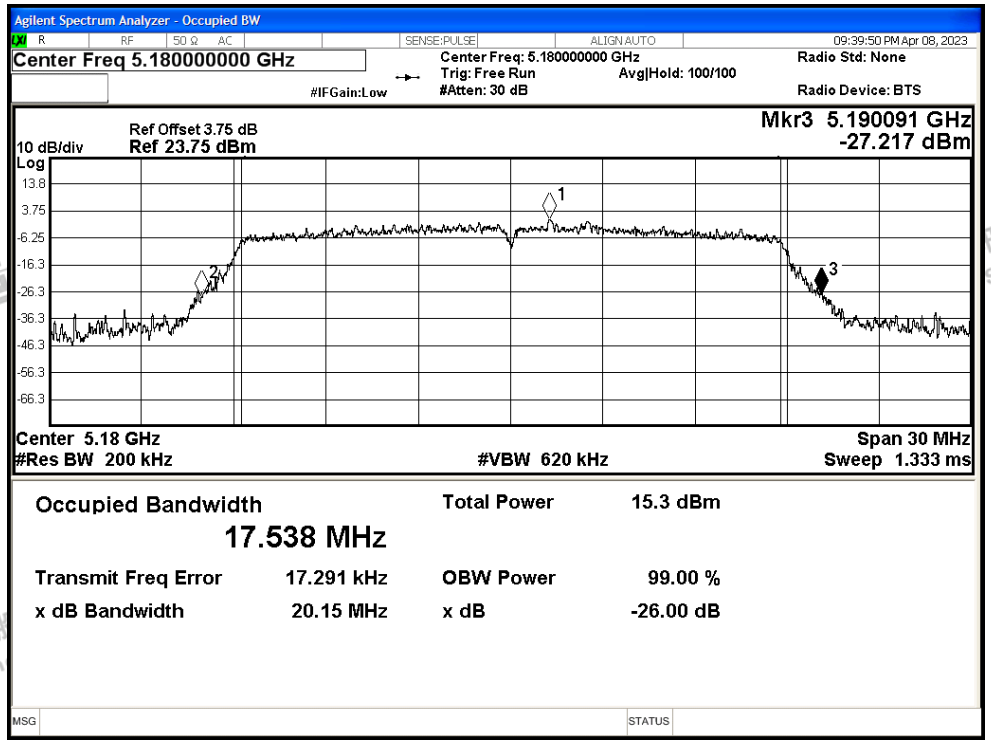
-26dB Bandwidth NVNT n40 5190MHz Ant0



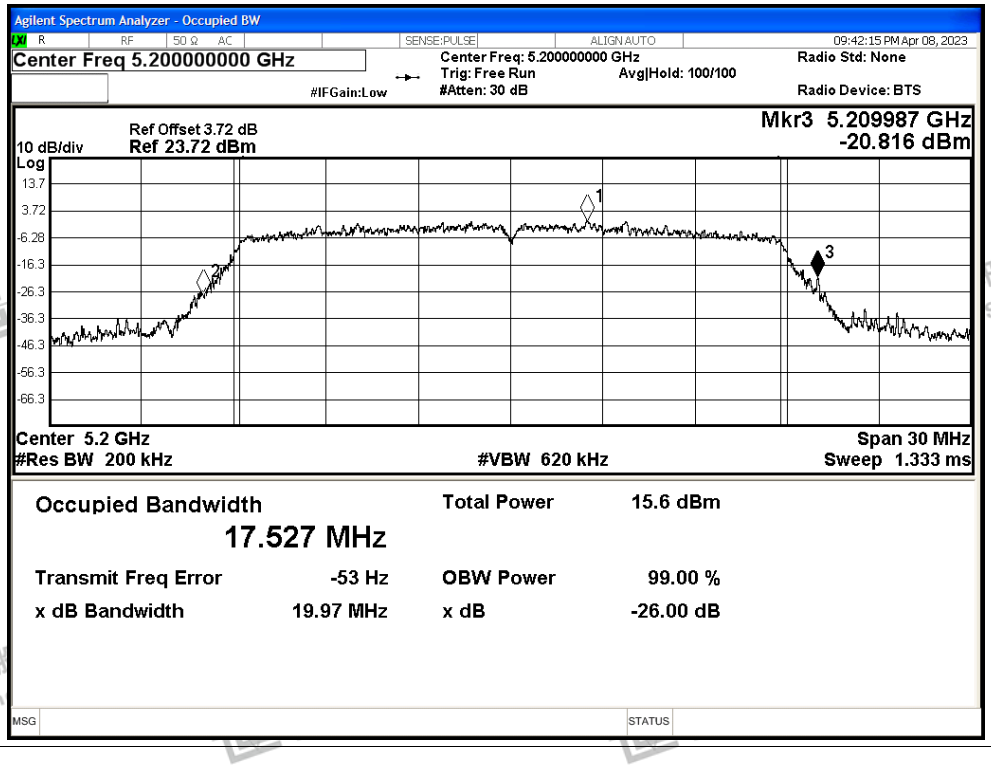
-26dB Bandwidth NVNT n40 5230MHz Ant0



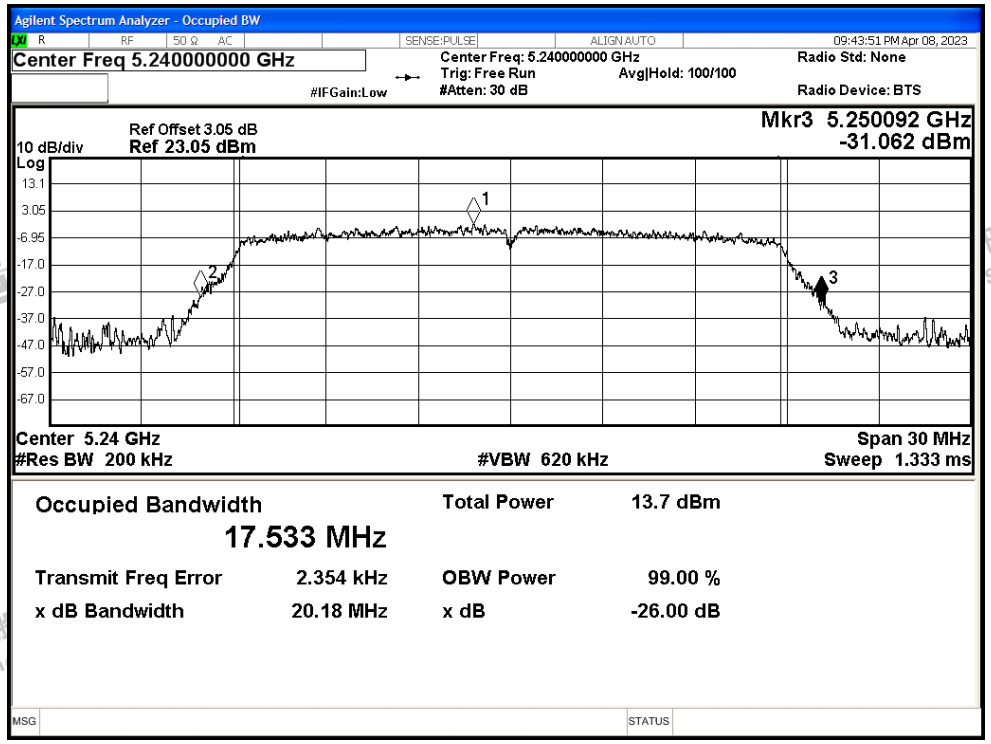
-26dB Bandwidth NVNT ac20 5180MHz Ant0



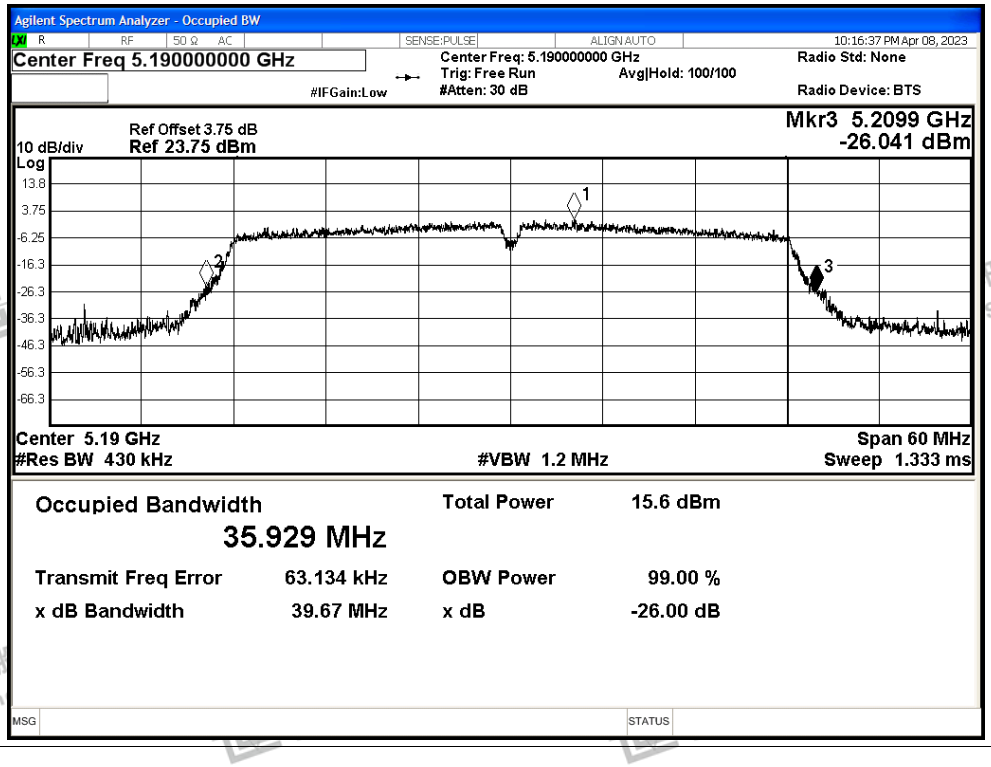
-26dB Bandwidth NVNT ac20 5200MHz Ant0



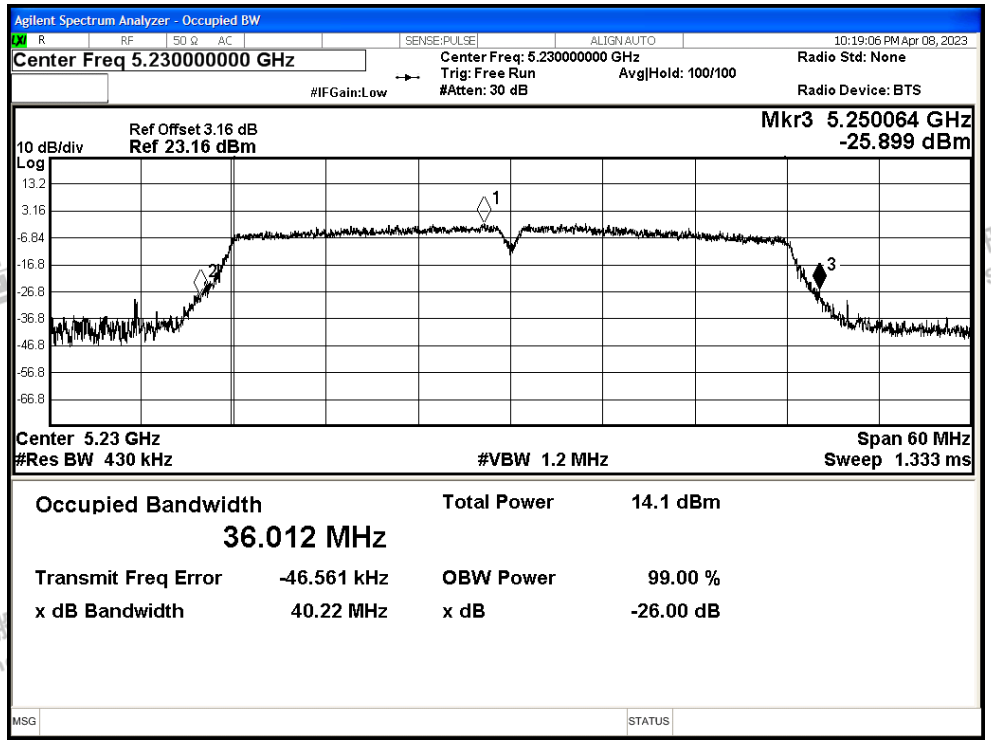
-26dB Bandwidth NVNT ac20 5240MHz Ant0



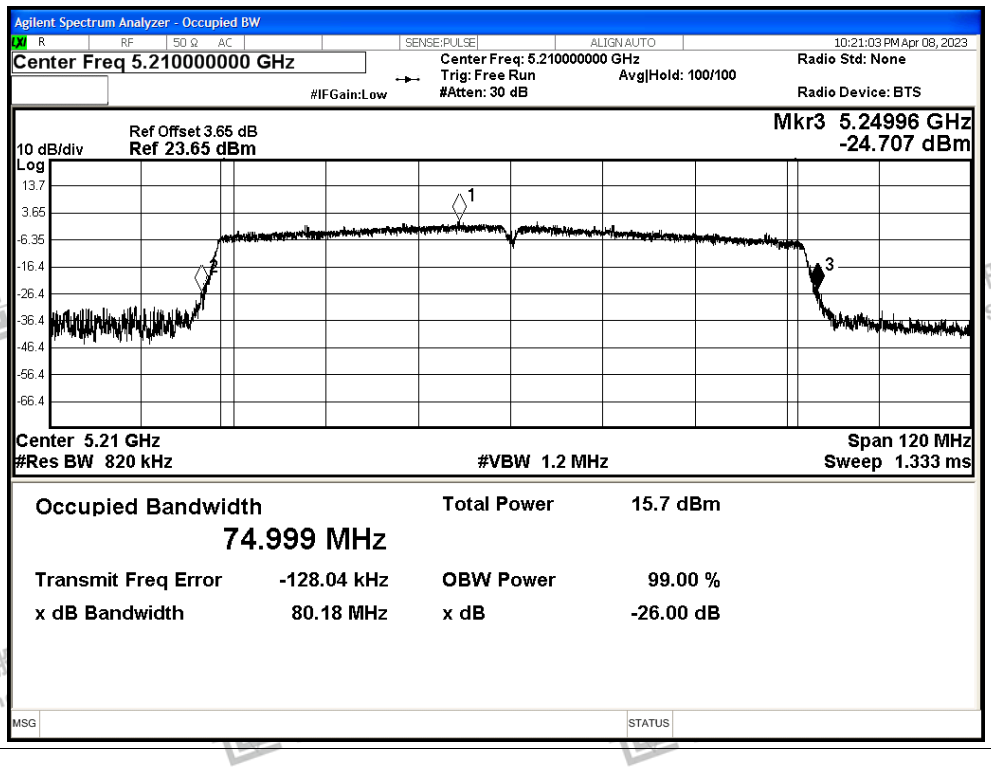
-26dB Bandwidth NVNT ac40 5190MHz Ant0



-26dB Bandwidth NVNT ac40 5230MHz Ant0



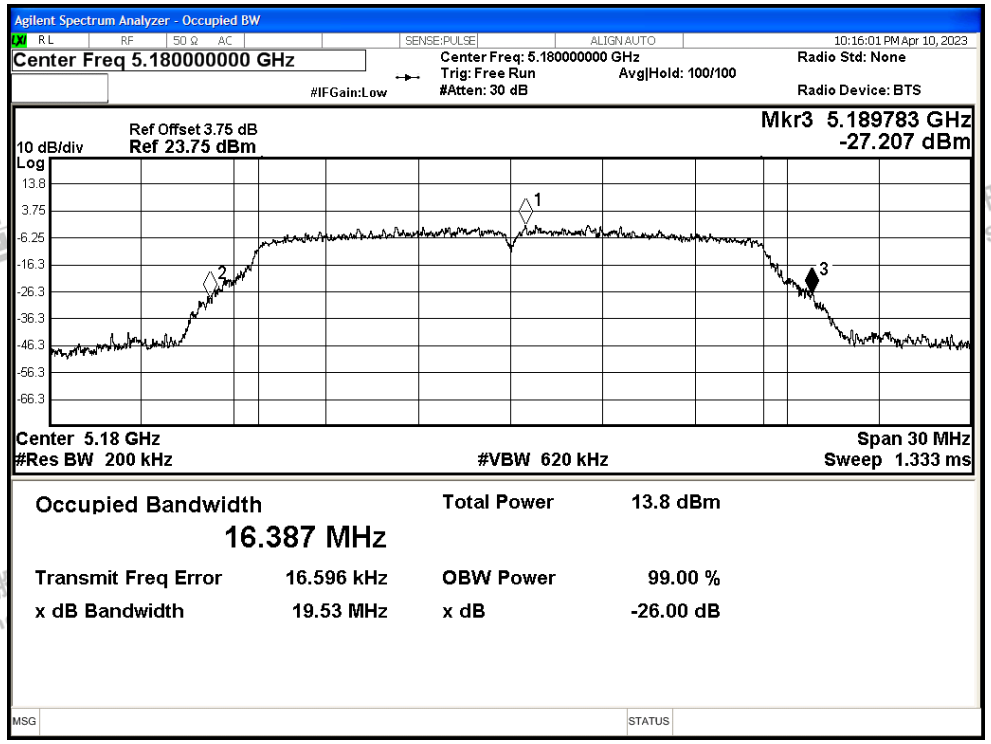
-26dB Bandwidth NVNT ac80 5210MHz Ant0



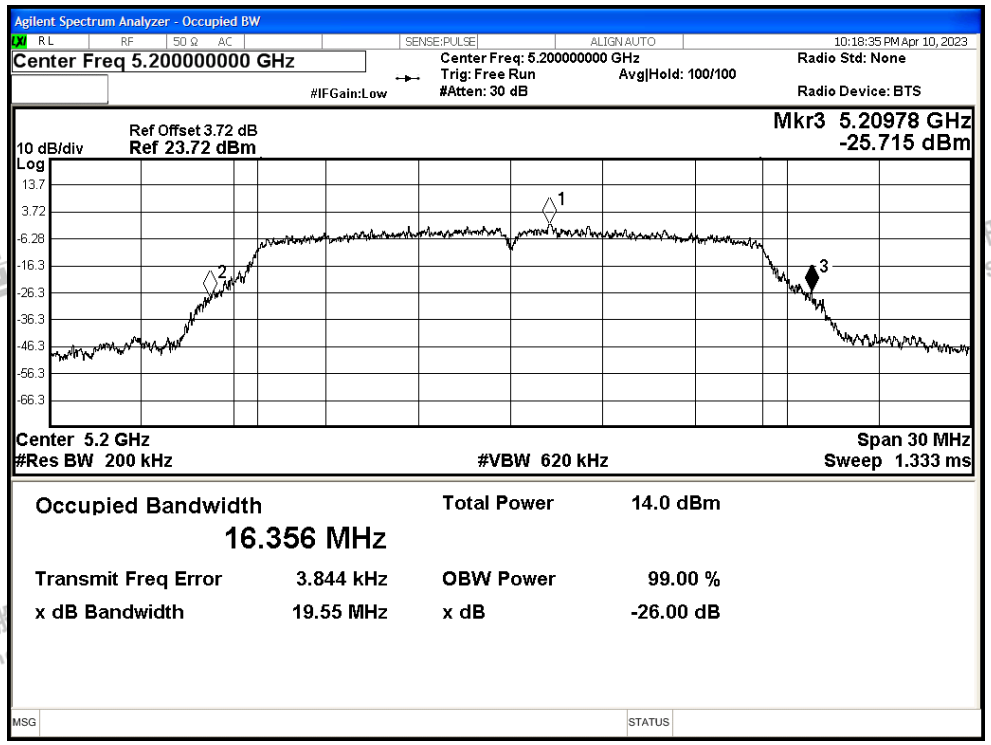
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.532	>=0.5	Pass
NVNT	a	5200	Ant1	19.552	>=0.5	Pass
NVNT	a	5240	Ant1	19.683	>=0.5	Pass
NVNT	n20	5180	Ant1	19.932	>=0.5	Pass
NVNT	n20	5200	Ant1	20.093	>=0.5	Pass
NVNT	n20	5240	Ant1	19.91	>=0.5	Pass
NVNT	n40	5190	Ant1	40.277	>=0.5	Pass
NVNT	n40	5230	Ant1	40.09	>=0.5	Pass
NVNT	ac20	5180	Ant1	20.298	>=0.5	Pass
NVNT	ac20	5200	Ant1	19.977	>=0.5	Pass
NVNT	ac20	5240	Ant1	19.895	>=0.5	Pass
NVNT	ac40	5190	Ant1	40.211	>=0.5	Pass
NVNT	ac40	5230	Ant1	39.993	>=0.5	Pass
NVNT	ac80	5210	Ant1	80.348	>=0.5	Pass

Test Graphs

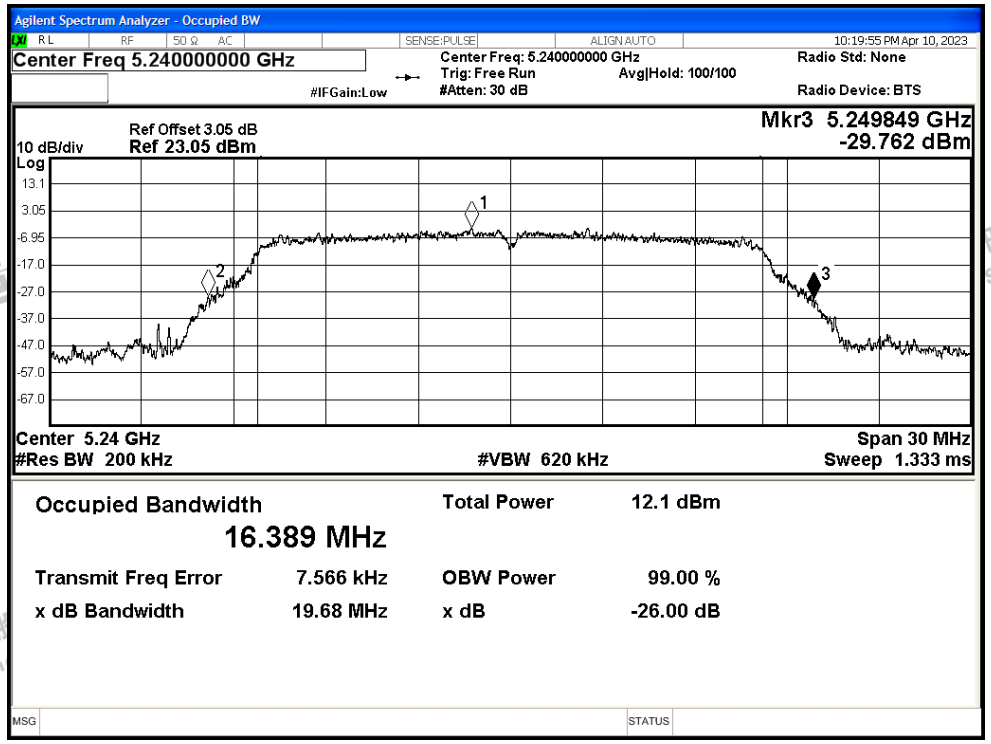
-26dB Bandwidth NVNT a 5180MHz Ant1



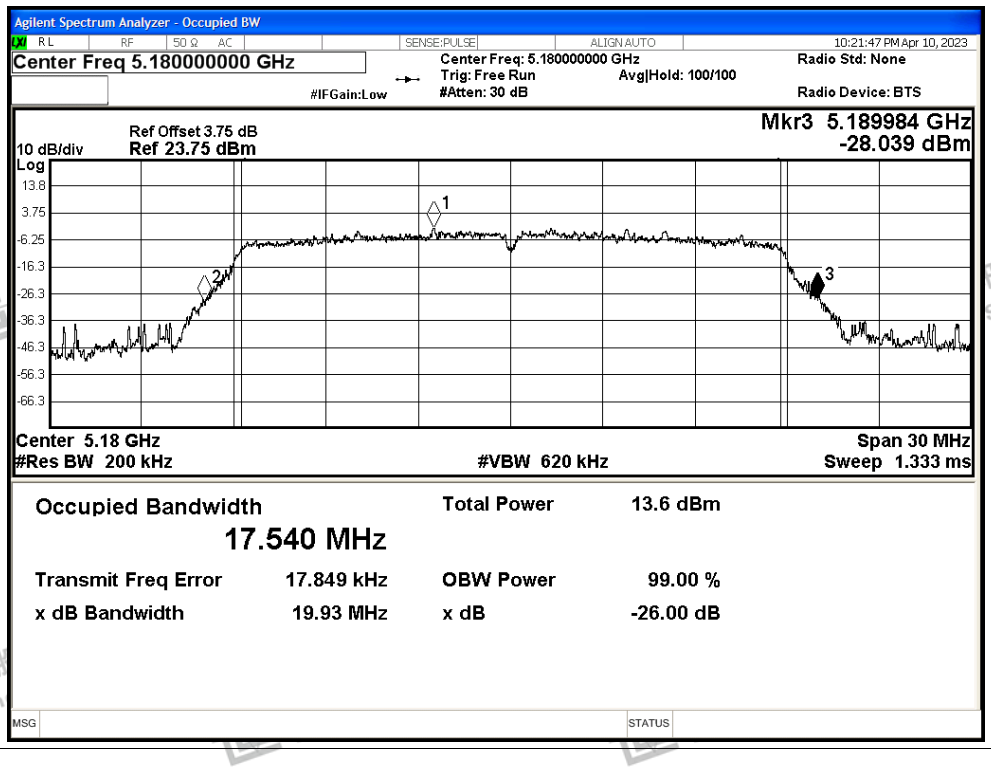
-26dB Bandwidth NVNT a 5200MHz Ant1



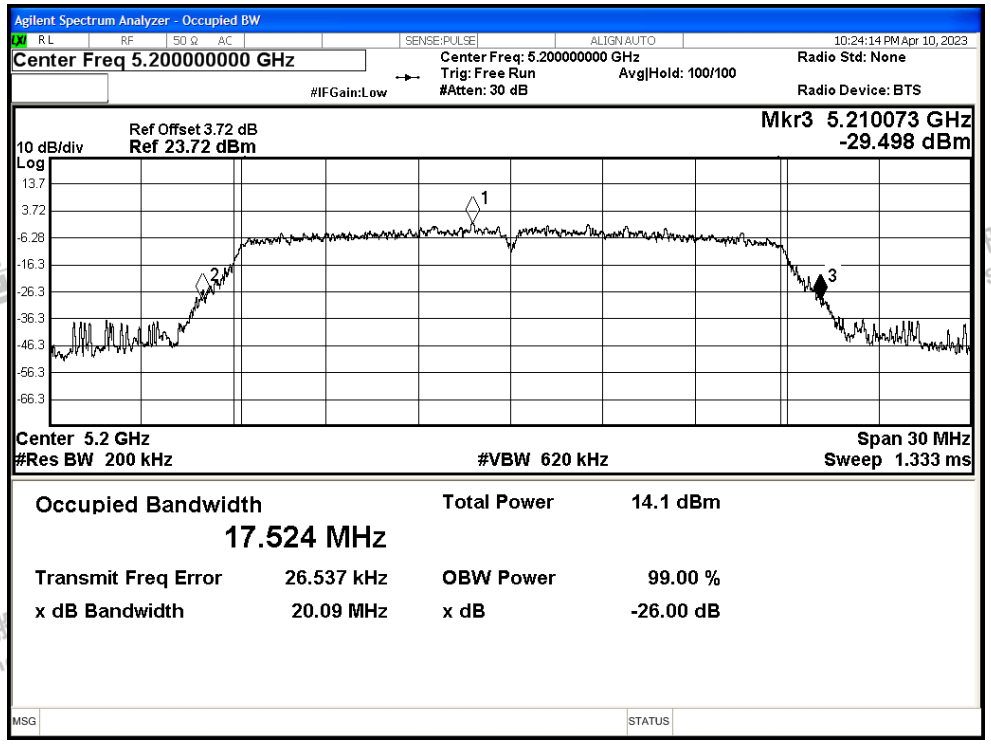
-26dB Bandwidth NVNT a 5240MHz Ant1



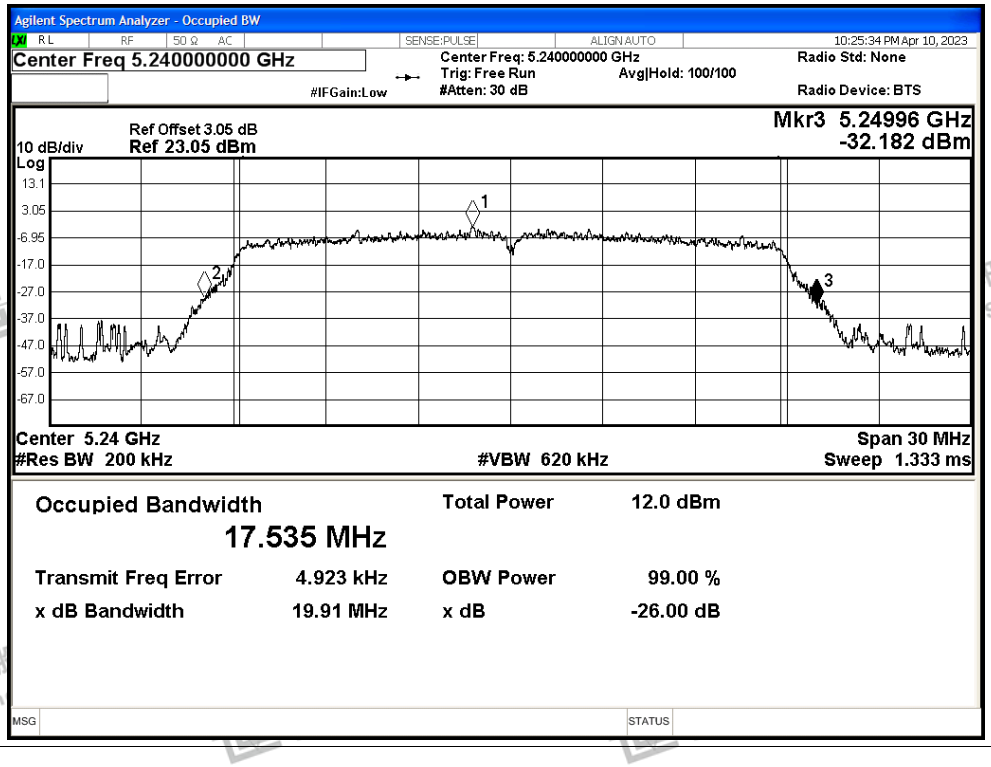
-26dB Bandwidth NVNT n20 5180MHz Ant1



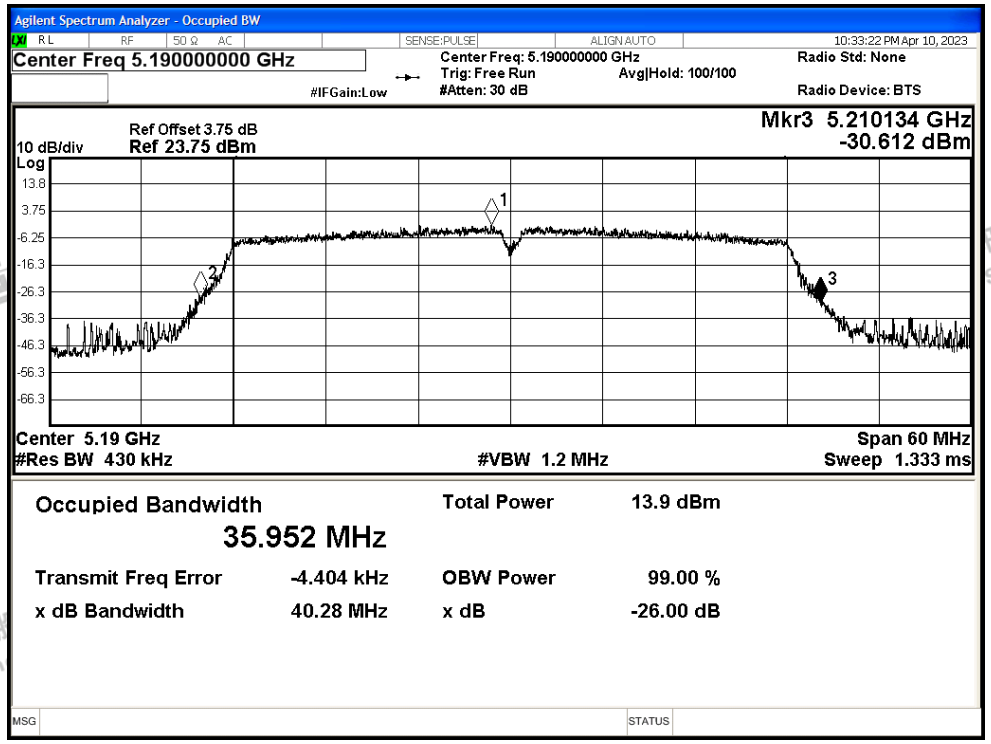
-26dB Bandwidth NVNT n20 5200MHz Ant1



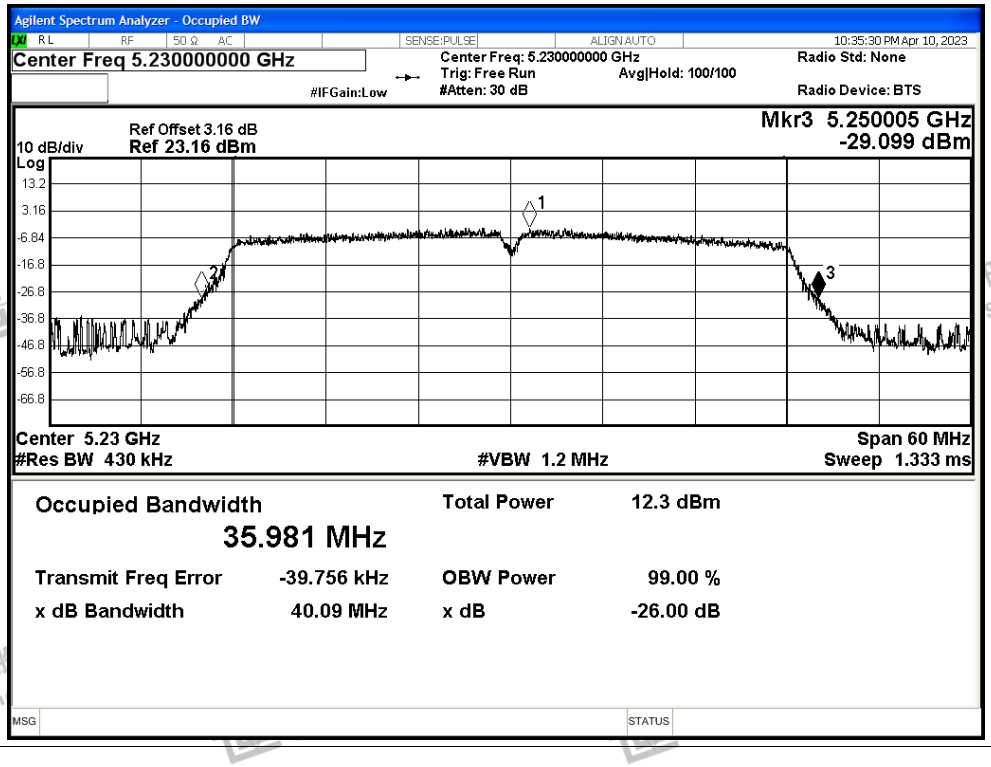
-26dB Bandwidth NVNT n20 5240MHz Ant1



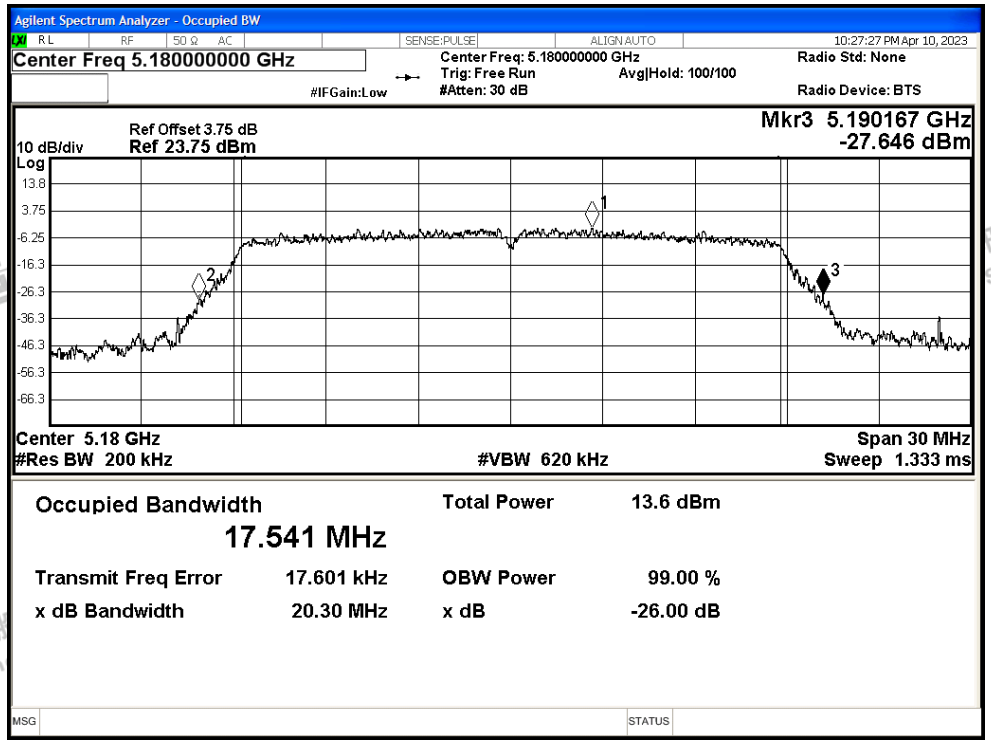
-26dB Bandwidth NVNT n40 5190MHz Ant1



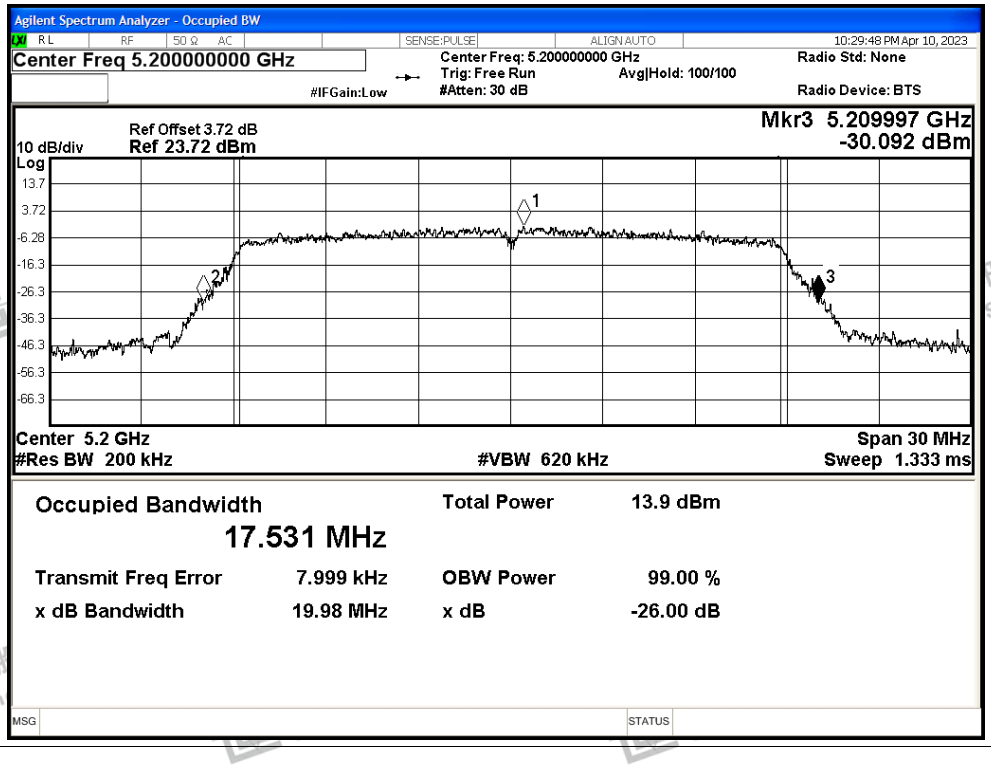
-26dB Bandwidth NVNT n40 5230MHz Ant1



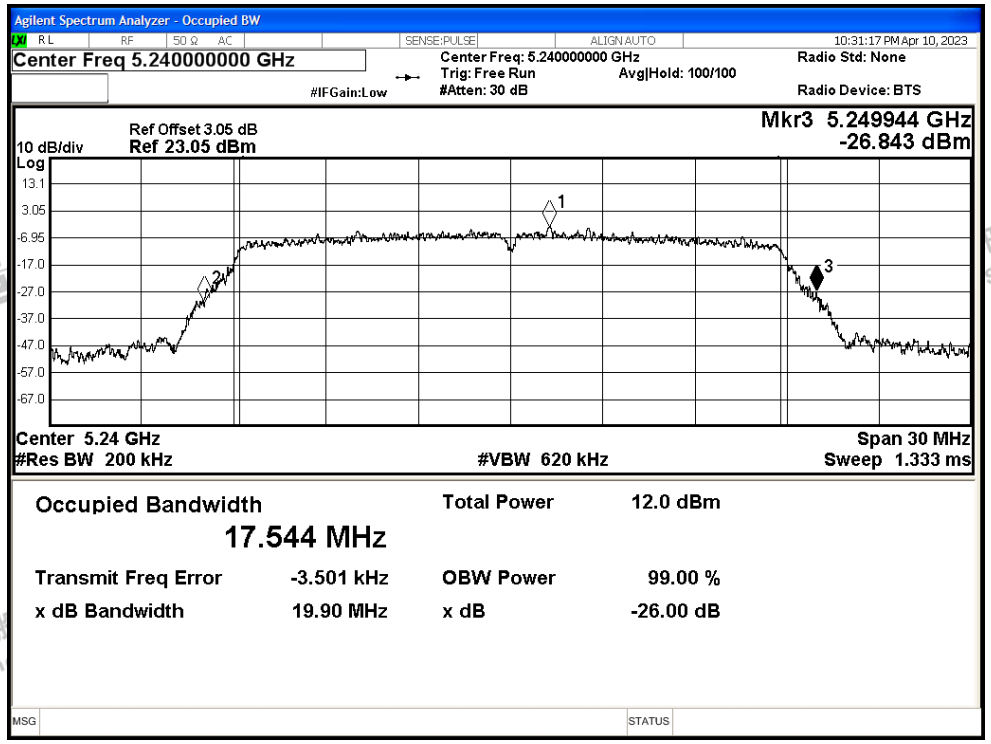
-26dB Bandwidth NVNT ac20 5180MHz Ant1



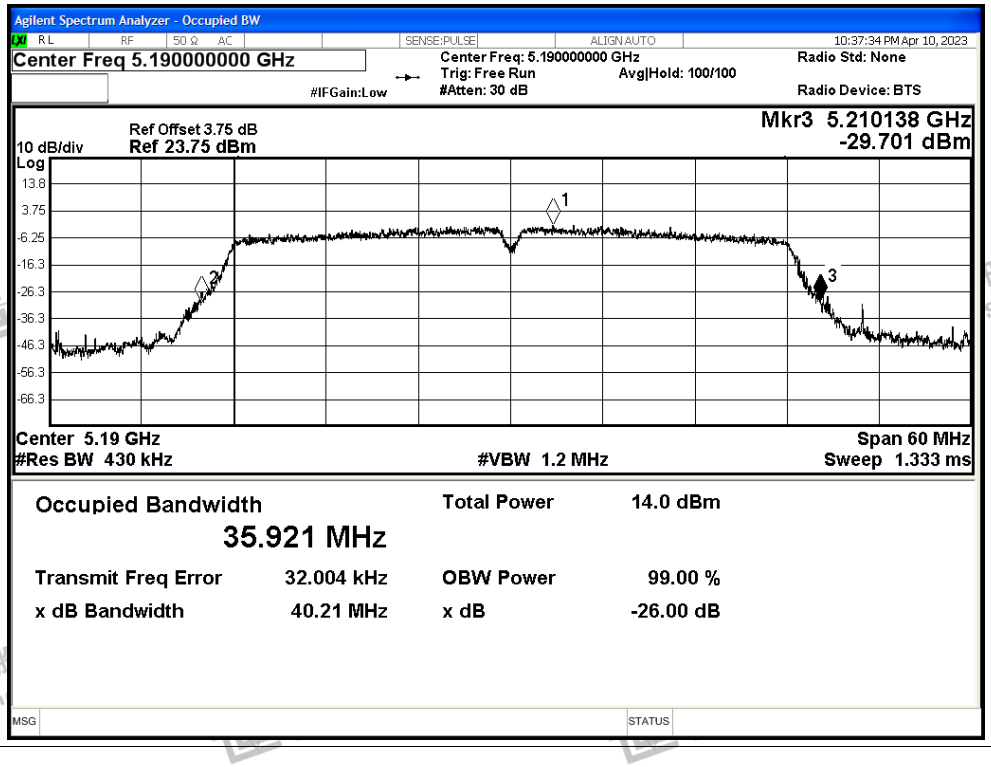
-26dB Bandwidth NVNT ac20 5200MHz Ant1



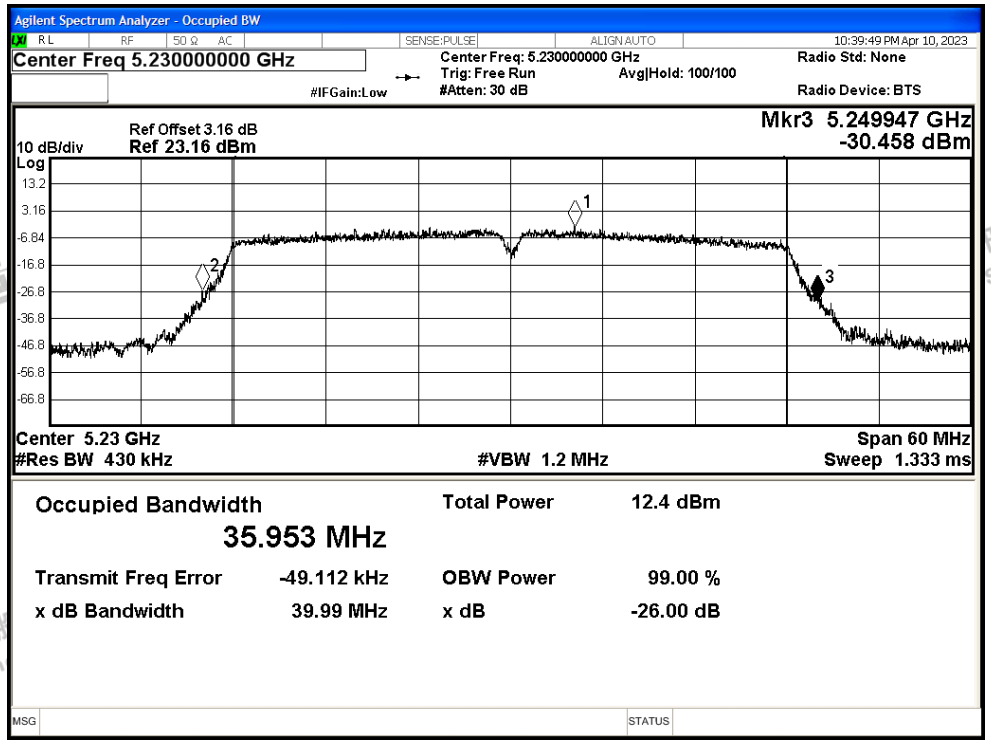
-26dB Bandwidth NVNT ac20 5240MHz Ant1



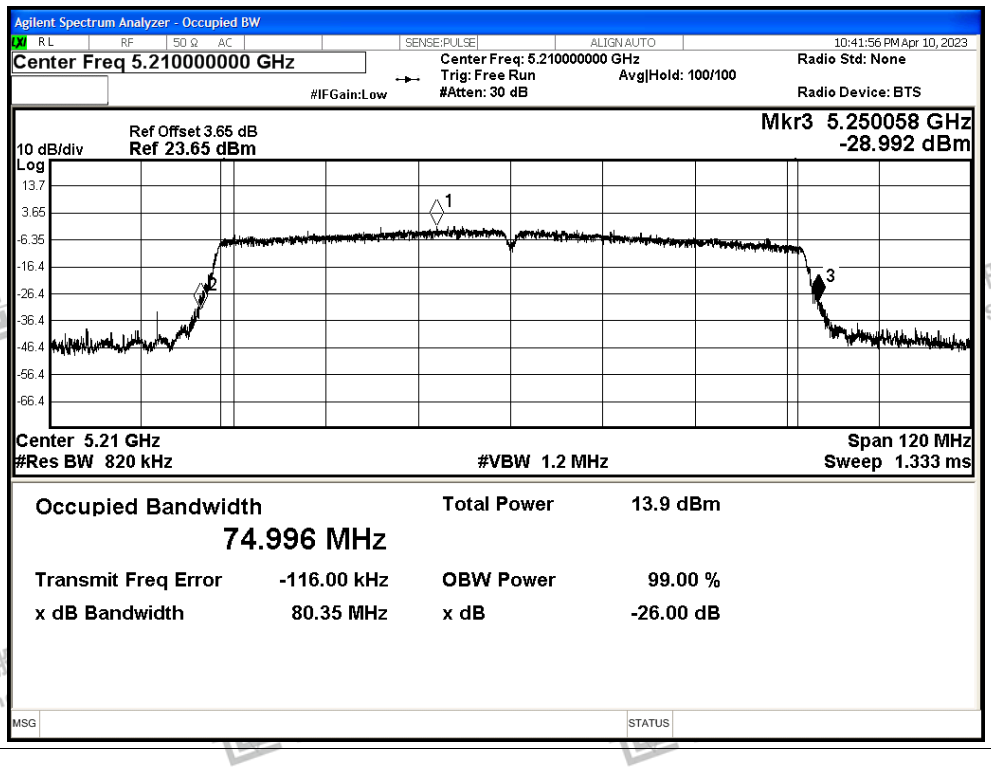
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-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	8.77	0.13	8.90	24	Pass
NVNT	a	5200	Ant0	10.04	0.14	10.18	24	Pass
NVNT	a	5240	Ant0	8.07	0.13	8.20	24	Pass
NVNT	n20	5180	Ant0	9.74	0.15	9.89	24	Pass
NVNT	n20	5200	Ant0	9.89	0.14	10.03	24	Pass
NVNT	n20	5240	Ant0	8.02	0.14	8.16	24	Pass
NVNT	n40	5190	Ant0	9.7	0.29	9.99	24	Pass
NVNT	n40	5230	Ant0	7.92	0.29	8.21	24	Pass
NVNT	ac20	5180	Ant0	9.72	0.14	9.86	24	Pass
NVNT	ac20	5200	Ant0	9.91	0.14	10.05	24	Pass
NVNT	ac20	5240	Ant0	8.11	0.15	8.26	24	Pass
NVNT	ac40	5190	Ant0	9.78	0.28	10.06	24	Pass
NVNT	ac40	5230	Ant0	8.22	0.28	8.50	24	Pass
NVNT	ac80	5210	Ant0	8.68	0.55	9.23	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	8.72	0.13	8.85	24	Pass
NVNT	a	5200	Ant1	8.34	0.13	8.47	24	Pass
NVNT	a	5240	Ant1	6.53	0.13	6.66	24	Pass
NVNT	n20	5180	Ant1	8.05	0.14	8.19	24	Pass
NVNT	n20	5200	Ant1	8.3	0.14	8.44	24	Pass
NVNT	n20	5240	Ant1	6.4	0.14	6.54	24	Pass
NVNT	n40	5190	Ant1	8.07	0.29	8.36	24	Pass
NVNT	n40	5230	Ant1	6.49	0.29	6.78	24	Pass
NVNT	ac20	5180	Ant1	8.02	0.14	8.16	24	Pass
NVNT	ac20	5200	Ant1	8.31	0.14	8.45	24	Pass
NVNT	ac20	5240	Ant1	6.34	0.14	6.48	24	Pass
NVNT	ac40	5190	Ant1	8.04	0.28	8.32	24	Pass
NVNT	ac40	5230	Ant1	6.53	0.28	6.81	24	Pass
NVNT	ac80	5210	Ant1	6.97	0.55	7.52	24	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5180	9.89	8.19	12.13	24	Pass
NVNT	n20	5200	10.03	8.44	12.32	24	Pass
NVNT	n20	5240	8.16	6.54	10.44	24	Pass
NVNT	n40	5190	9.99	8.36	12.26	24	Pass
NVNT	n40	5230	8.21	6.78	10.56	24	Pass
NVNT	ac20	5180	9.86	8.16	12.10	24	Pass
NVNT	ac20	5200	10.05	8.45	12.33	24	Pass
NVNT	ac20	5240	8.26	6.48	10.47	24	Pass
NVNT	ac40	5190	10.06	8.32	12.29	24	Pass
NVNT	ac40	5230	8.5	6.81	10.75	24	Pass
NVNT	ac80	5210	9.23	7.52	11.47	24	Pass

D.3 Maximum Power Spectral Density Level

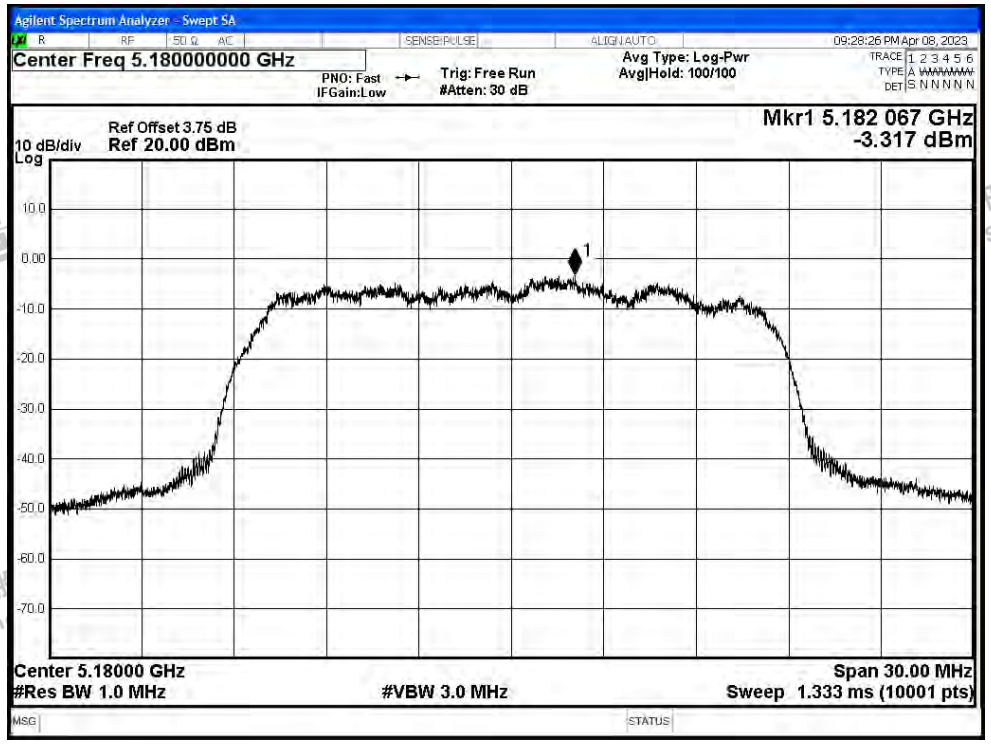
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant0	-3.32	0.13	-3.19	11	Pass
NVNT	a	5200	Ant0	-2.25	0.14	-2.11	11	Pass
NVNT	a	5240	Ant0	-3.93	0.13	-3.8	11	Pass
NVNT	n20	5180	Ant0	-2.41	0.15	-2.26	11	Pass
NVNT	n20	5200	Ant0	-2.44	0.14	-2.3	11	Pass
NVNT	n20	5240	Ant0	-3.49	0.14	-3.35	11	Pass
NVNT	n40	5190	Ant0	-7.16	0.29	-6.87	11	Pass
NVNT	n40	5230	Ant0	-6.69	0.29	-6.4	11	Pass
NVNT	ac20	5180	Ant0	-2.63	0.14	-2.49	11	Pass
NVNT	ac20	5200	Ant0	-2.24	0.14	-2.1	11	Pass
NVNT	ac20	5240	Ant0	-3.58	0.15	-3.43	11	Pass
NVNT	ac40	5190	Ant0	-6.46	0.28	-6.18	11	Pass
NVNT	ac40	5230	Ant0	-8.11	0.28	-7.83	11	Pass
NVNT	ac80	5210	Ant0	-11.59	0.55	-11.04	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-3.46	0.13	-3.33	11	Pass
NVNT	a	5200	Ant1	-2.67	0.13	-2.54	11	Pass
NVNT	a	5240	Ant1	-5.79	0.13	-5.66	11	Pass
NVNT	n20	5180	Ant1	-4.35	0.14	-4.21	11	Pass
NVNT	n20	5200	Ant1	-4.5	0.14	-4.36	11	Pass
NVNT	n20	5240	Ant1	-6.28	0.14	-6.14	11	Pass
NVNT	n40	5190	Ant1	-8.21	0.29	-7.92	11	Pass
NVNT	n40	5230	Ant1	-10	0.29	-9.71	11	Pass
NVNT	ac20	5180	Ant1	-4.53	0.14	-4.39	11	Pass
NVNT	ac20	5200	Ant1	-4.34	0.14	-4.2	11	Pass
NVNT	ac20	5240	Ant1	-6.15	0.14	-6.01	11	Pass
NVNT	ac40	5190	Ant1	-6.82	0.28	-6.54	11	Pass
NVNT	ac40	5230	Ant1	-10.98	0.28	-10.7	11	Pass
NVNT	ac80	5210	Ant1	-13.51	0.55	-12.96	11	Pass

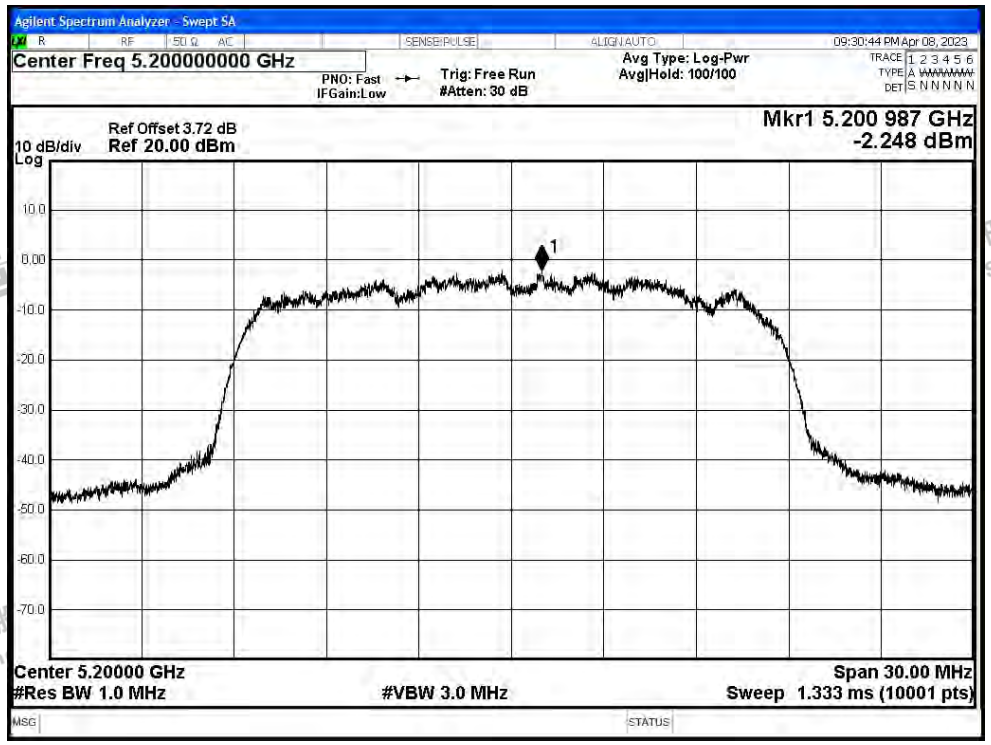
MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	5180	-2.26	-4.21	-0.12	11	Pass
NVNT	n20	5200	-2.3	-4.36	-0.20	11	Pass
NVNT	n20	5240	-3.35	-6.14	-1.51	11	Pass
NVNT	n40	5190	-6.87	-7.92	-4.35	11	Pass
NVNT	n40	5230	-6.4	-9.71	-4.74	11	Pass
NVNT	ac20	5180	-2.49	-4.39	-0.33	11	Pass
NVNT	ac20	5200	-2.1	-4.2	-0.01	11	Pass
NVNT	ac20	5240	-3.43	-6.01	-1.52	11	Pass
NVNT	ac40	5190	-6.18	-6.54	-3.35	11	Pass
NVNT	ac40	5230	-7.83	-10.7	-6.02	11	Pass
NVNT	ac80	5210	-11.04	-12.96	-8.88	11	Pass

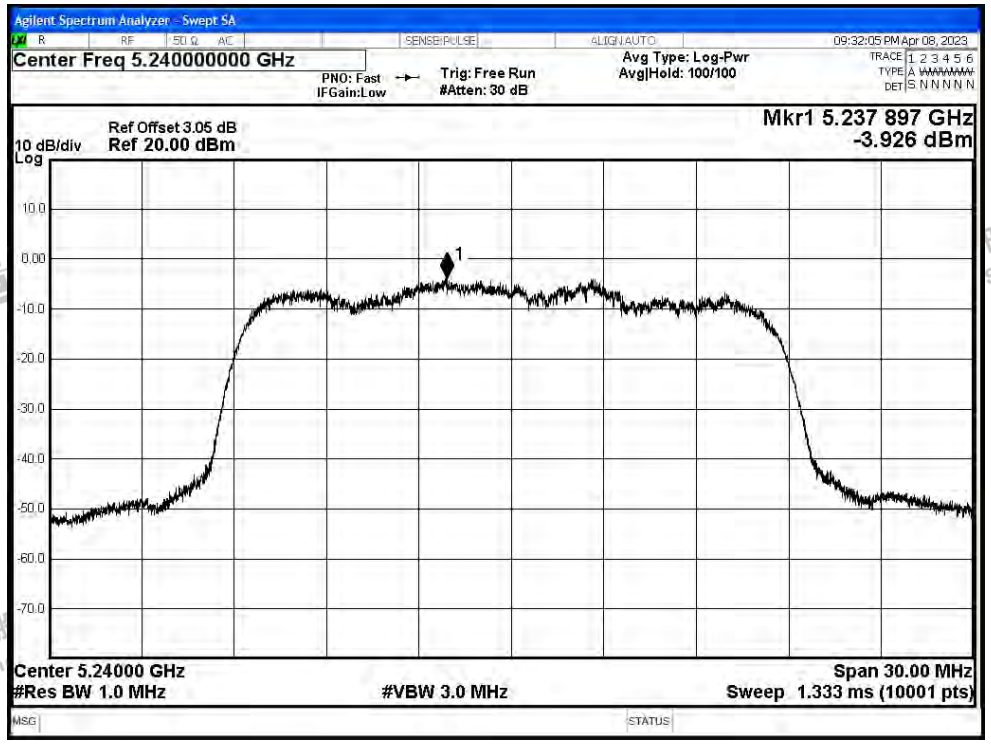
Test Graphs
PSD NVNT a 5180MHz Ant0



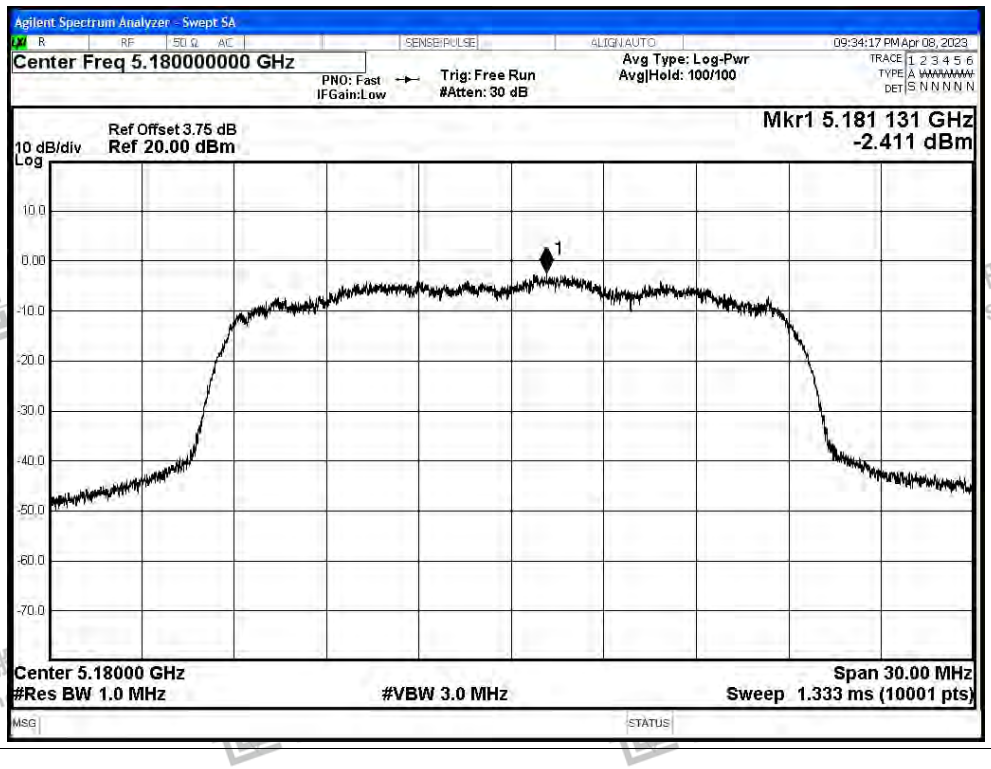
PSD NVNT a 5200MHz Ant0



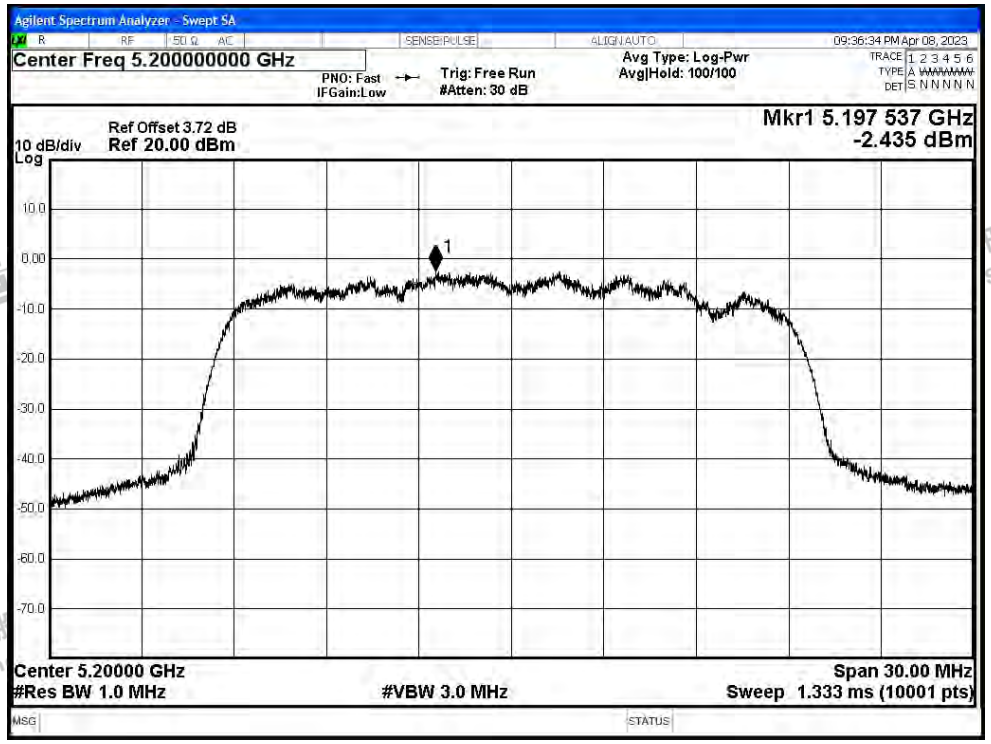
PSD NVNT a 5240MHz Ant0



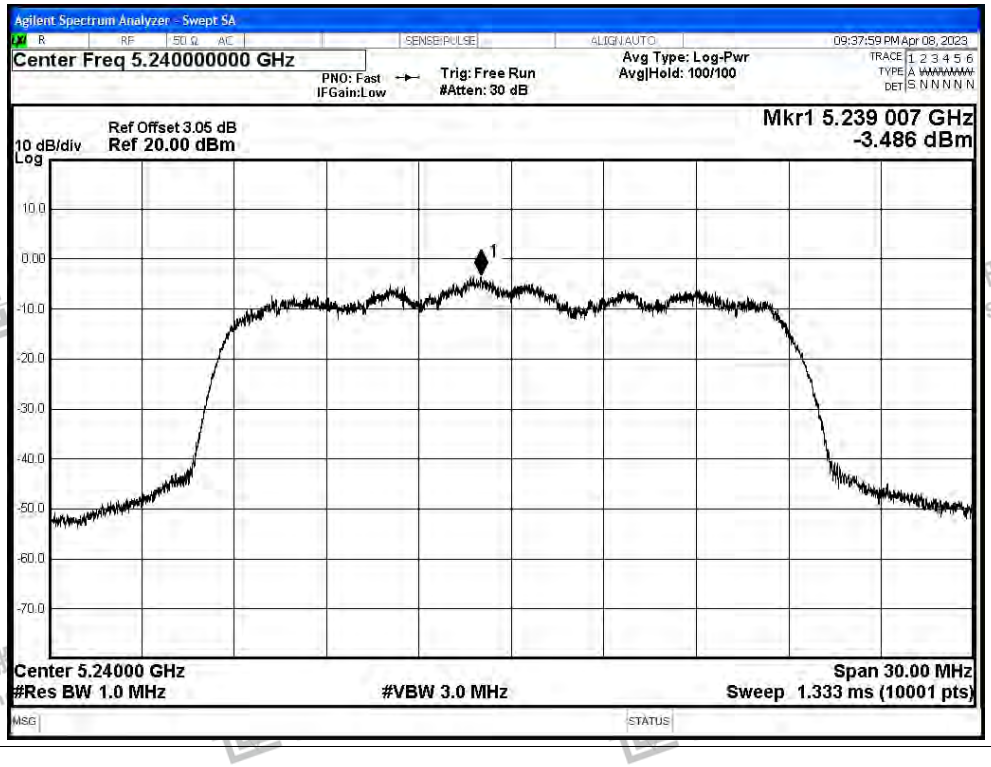
PSD NVNT n20 5180MHz Ant0



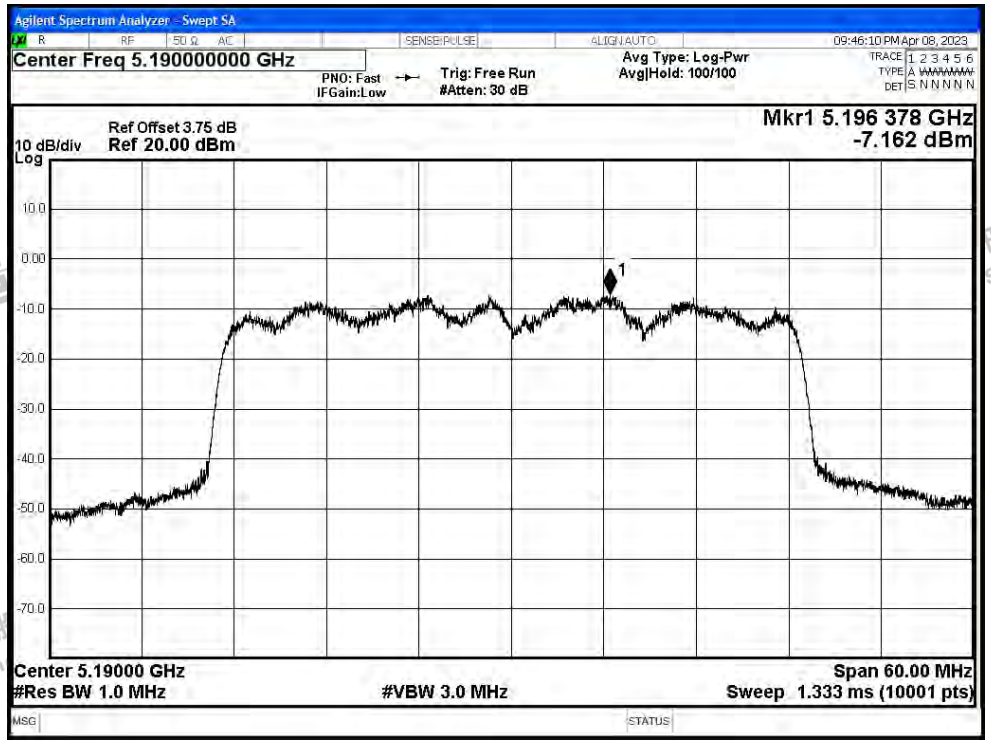
PSD NVNT n20 5200MHz Ant0



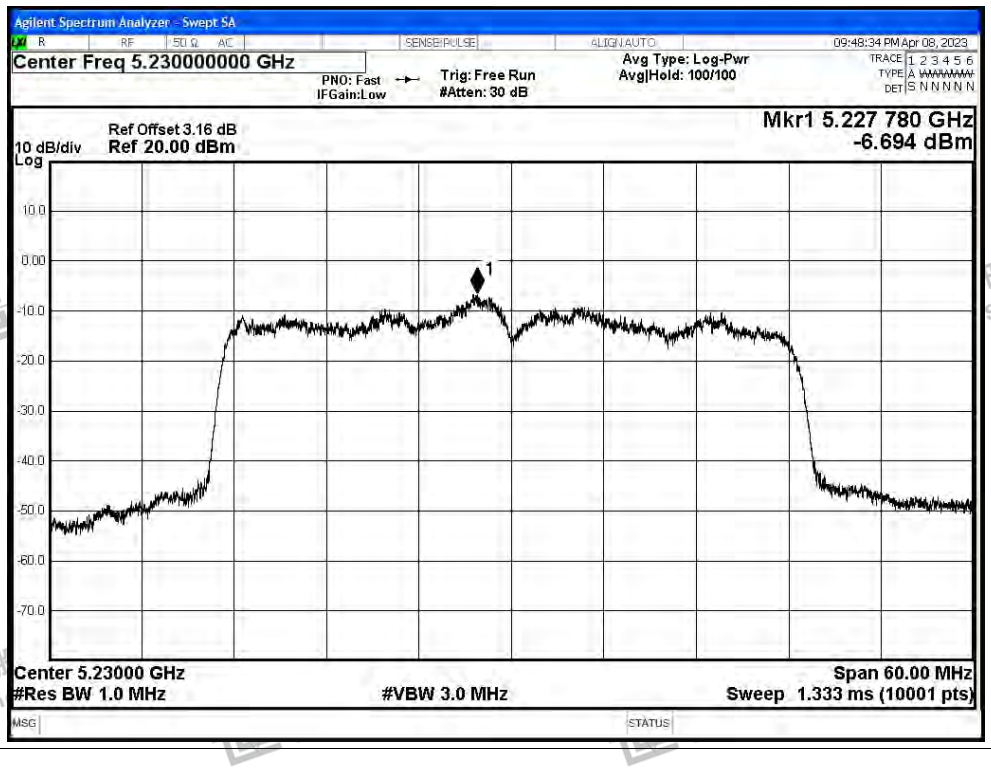
PSD NVNT n20 5240MHz Ant0



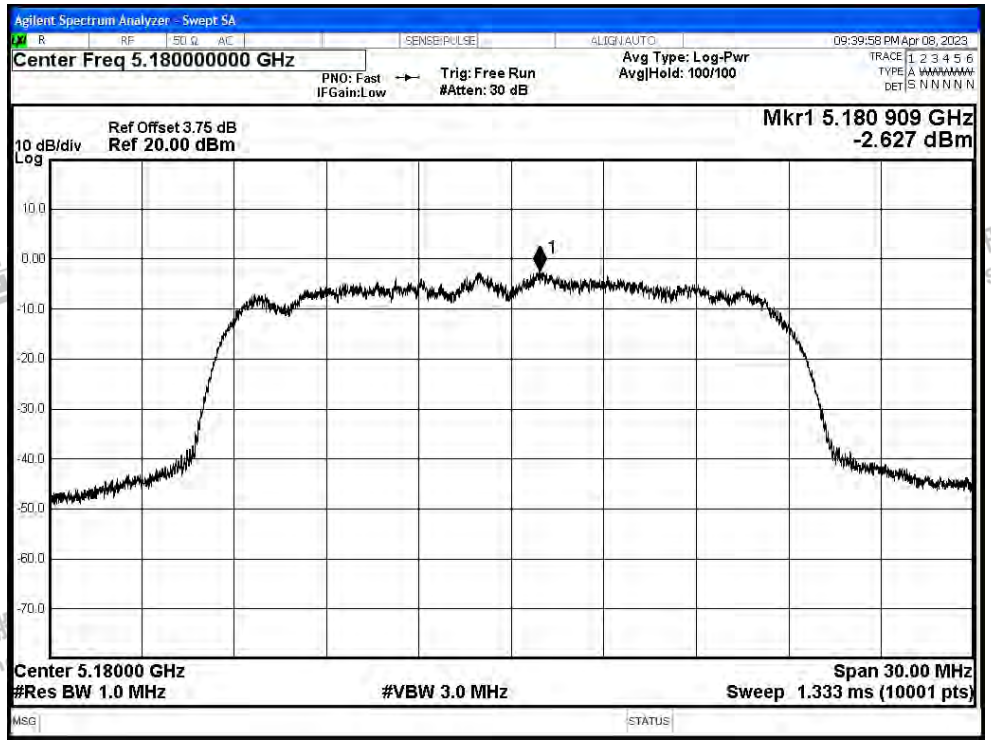
PSD NVNT n40 5190MHz Ant0



PSD NVNT n40 5230MHz Ant0



PSD NVNT ac20 5180MHz Ant0



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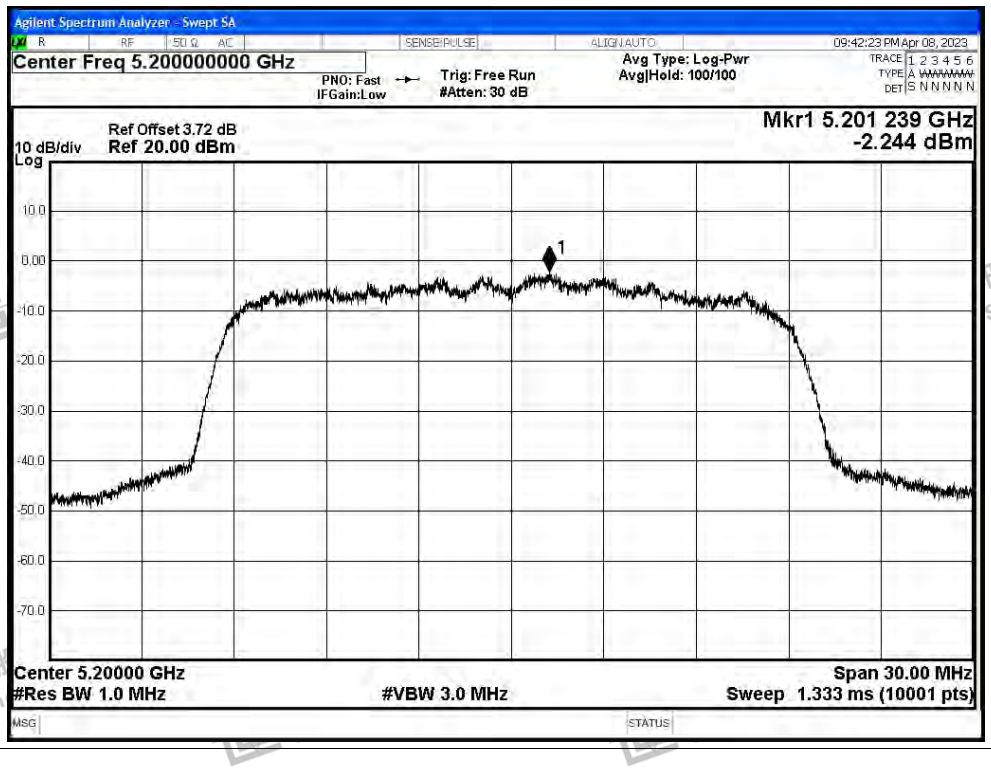

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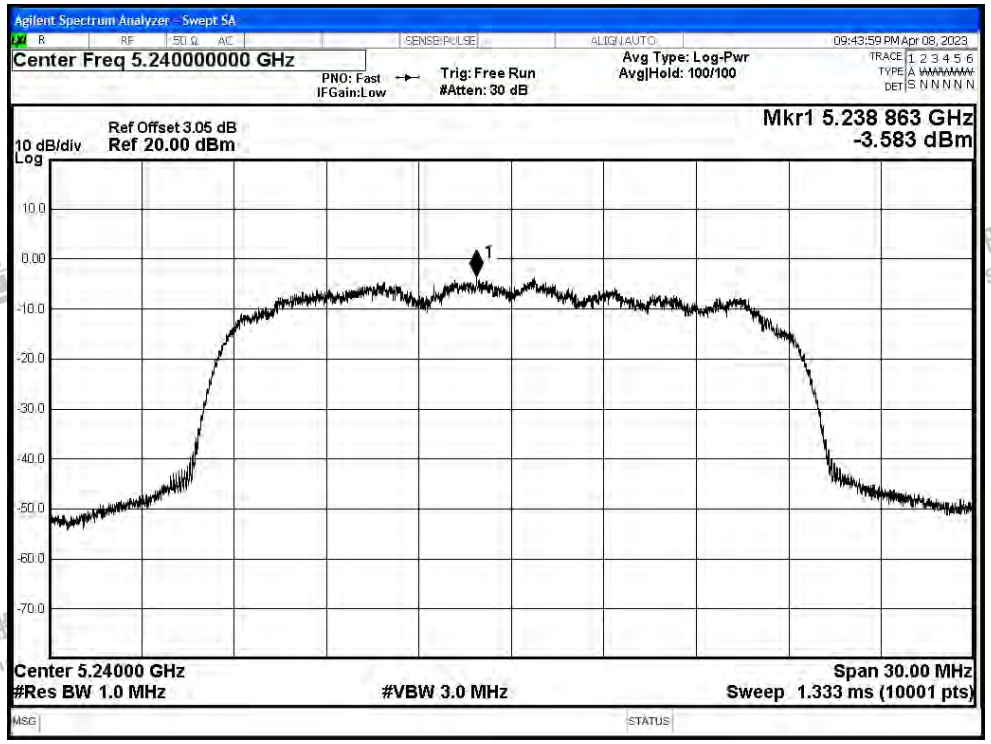
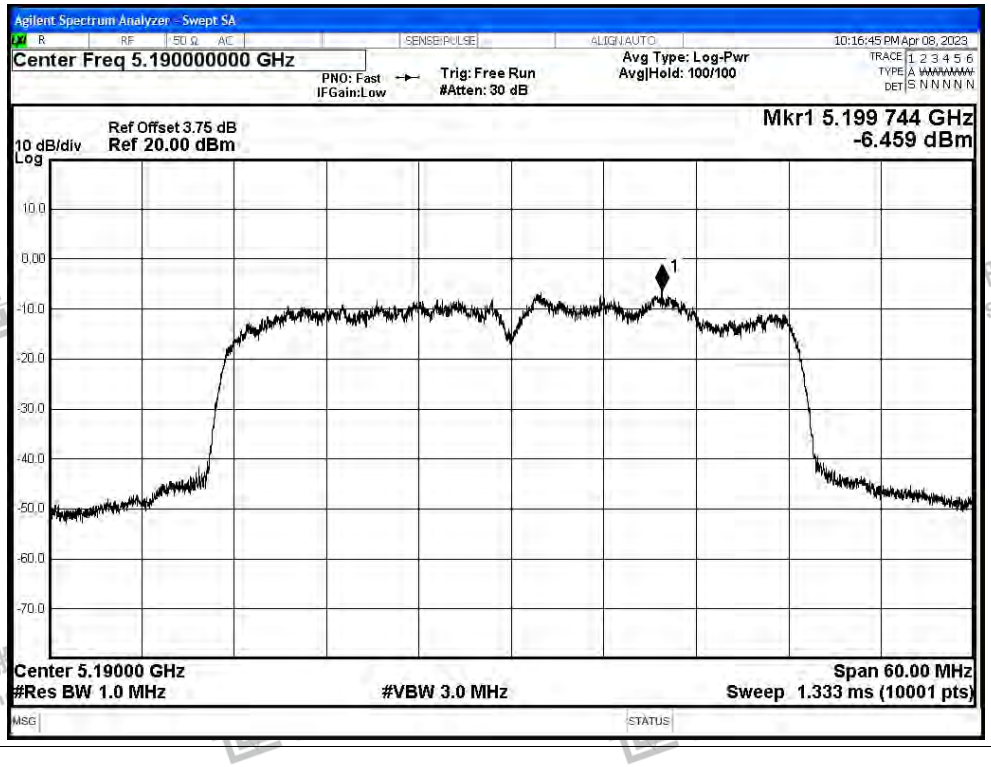
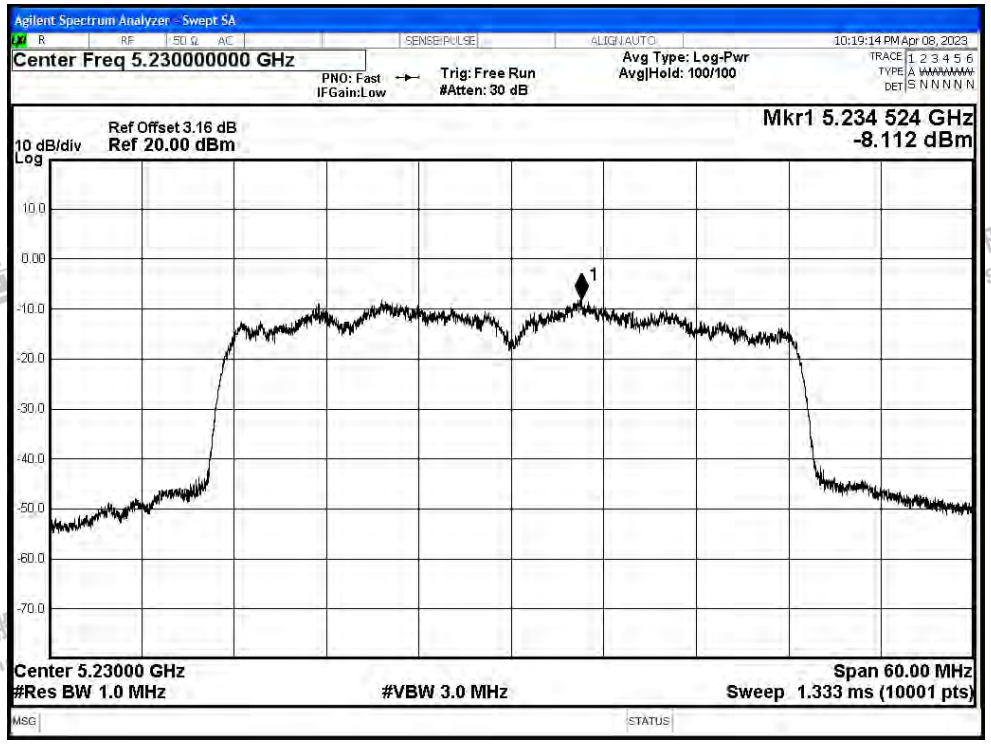


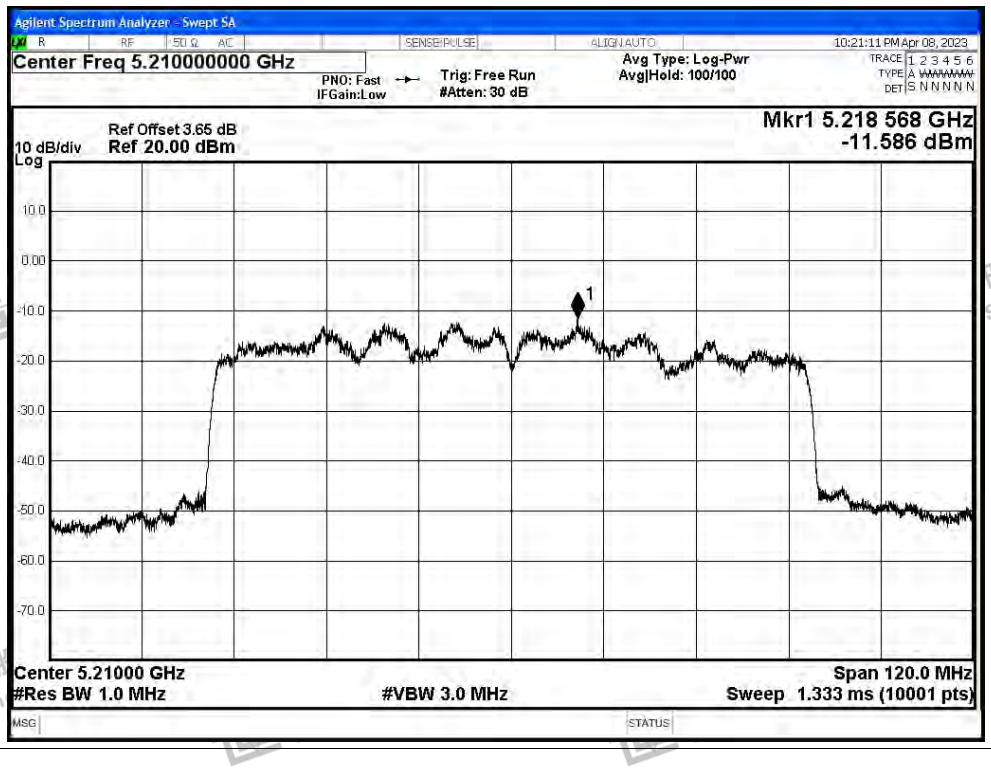
PSD NVNT ac40 5190MHz Ant0



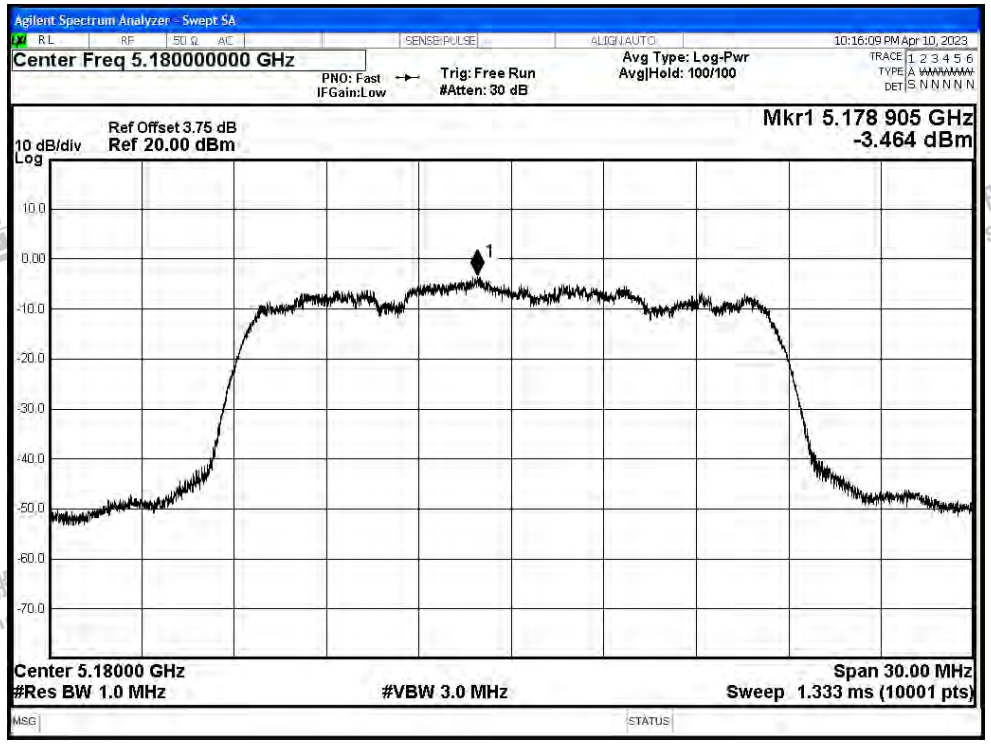
PSD NVNT ac40 5230MHz Ant0



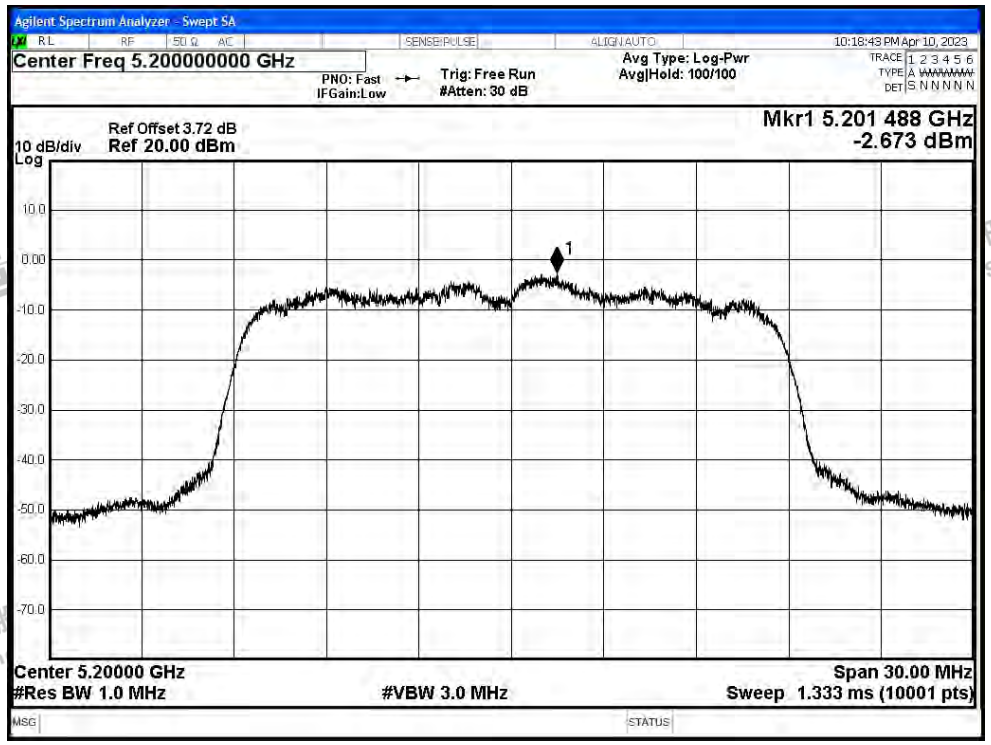
PSD NVNT ac80 5210MHz Ant0



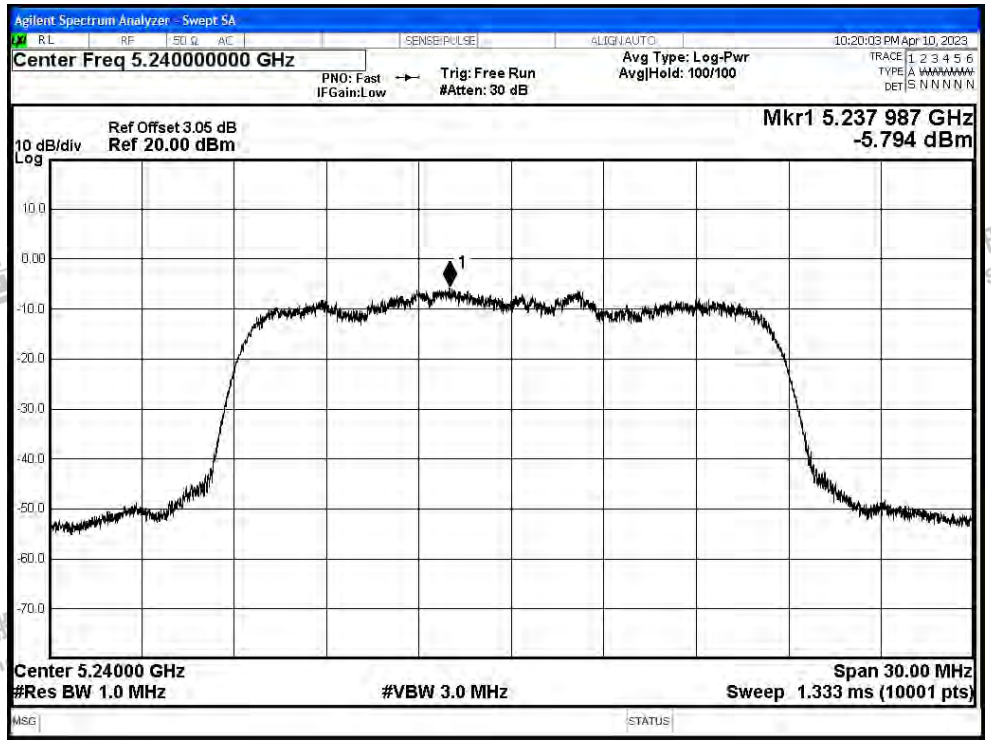
Test Graphs
PSD NVNT a 5180MHz Ant1



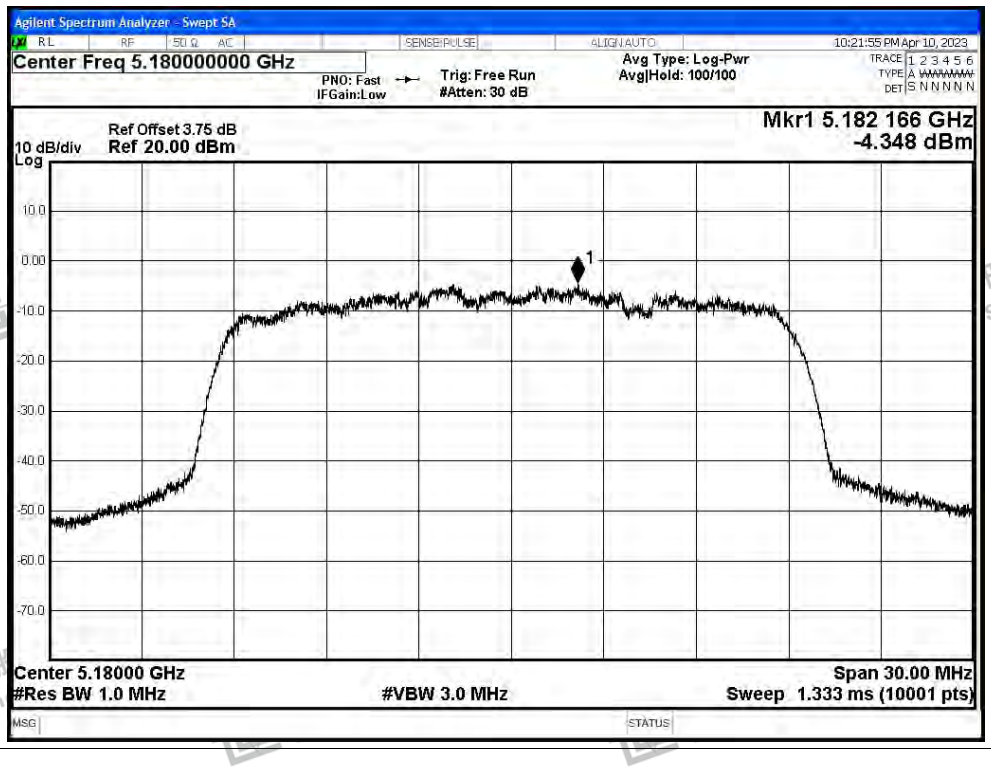
PSD NVNT a 5200MHz Ant1



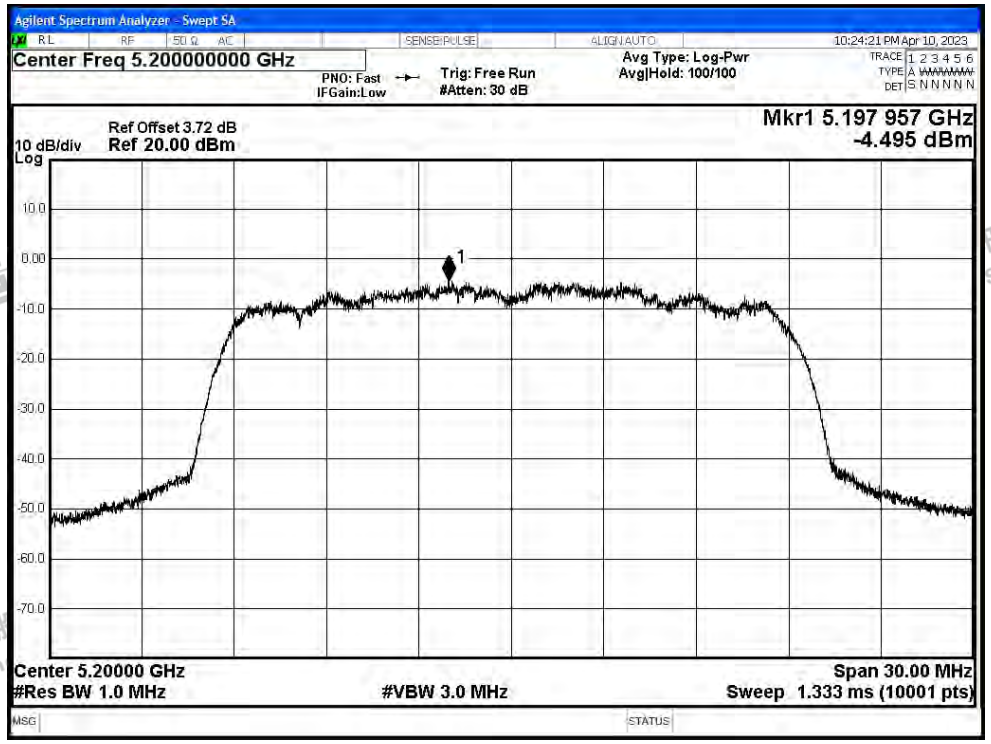
PSD NVNT a 5240MHz Ant1



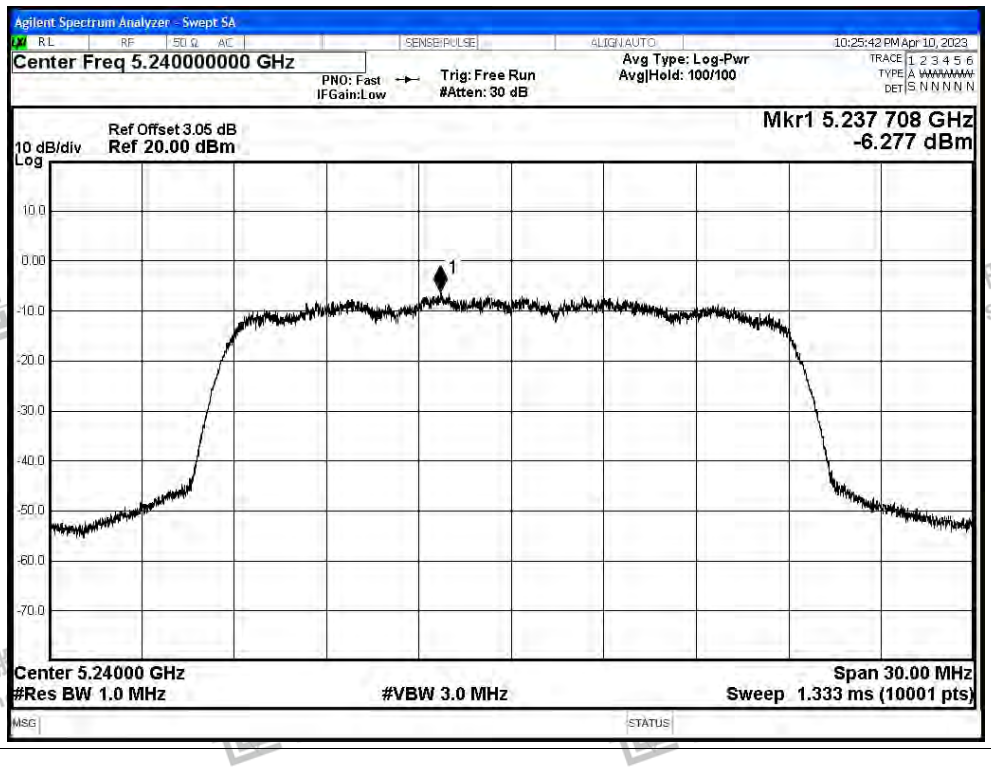
PSD NVNT n20 5180MHz Ant1



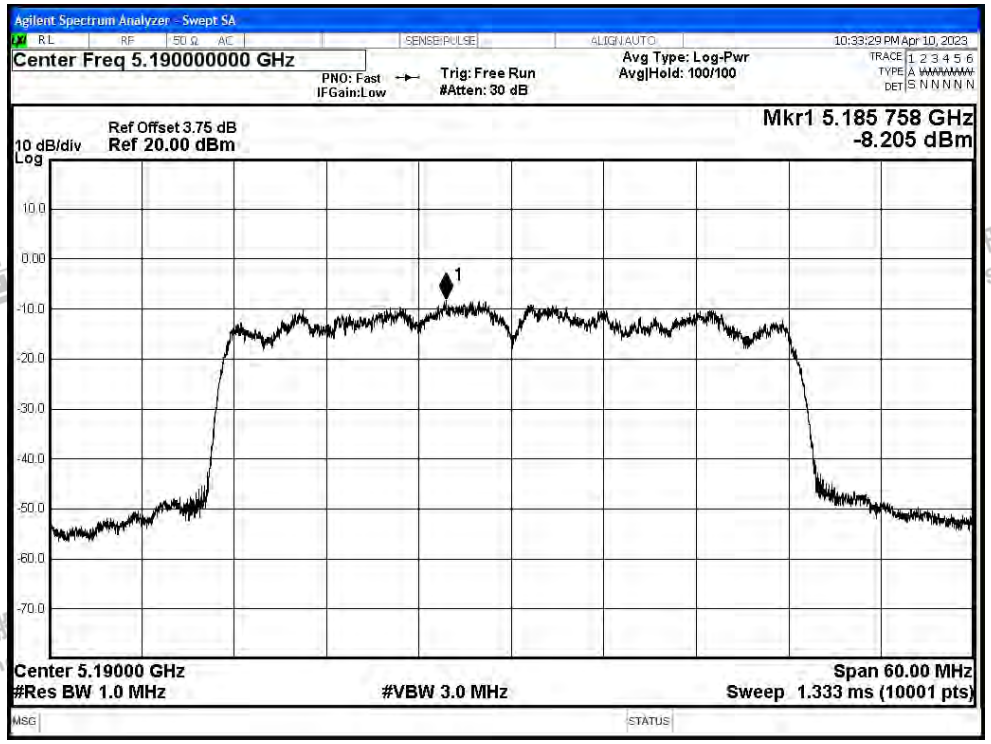
PSD NVNT n20 5200MHz Ant1



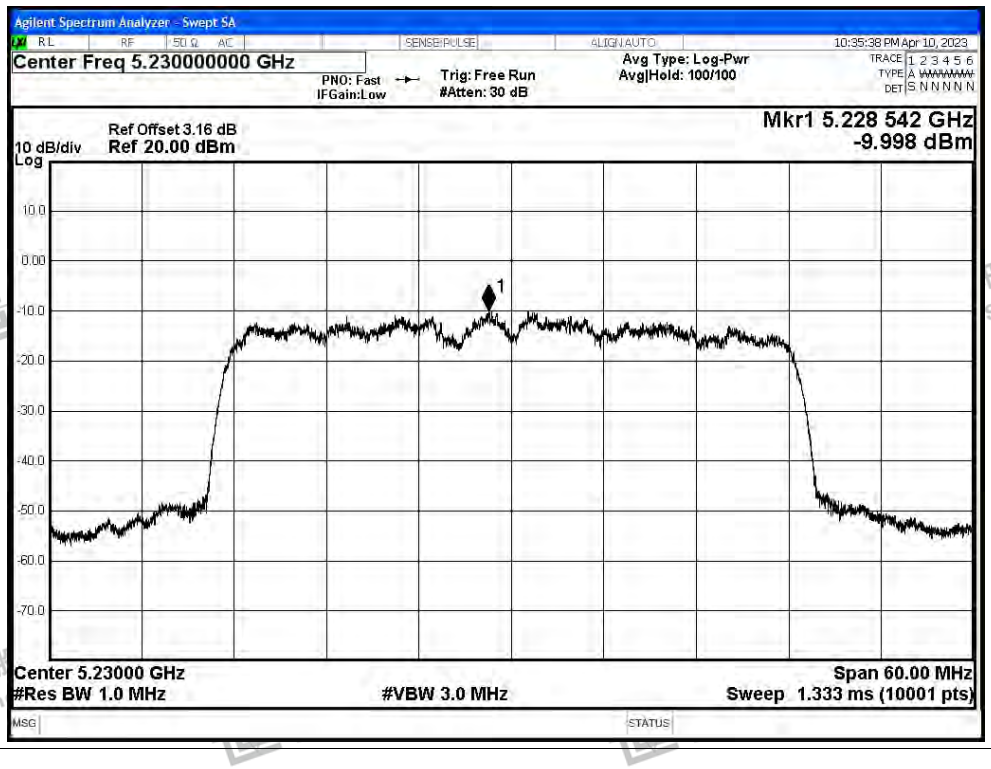
PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1



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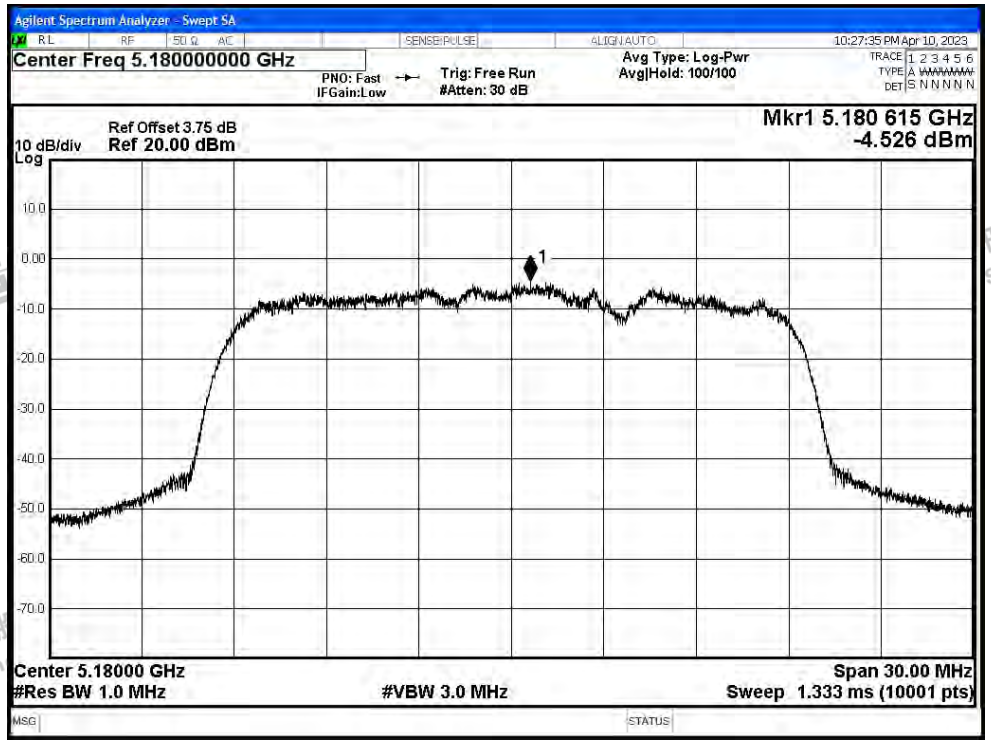
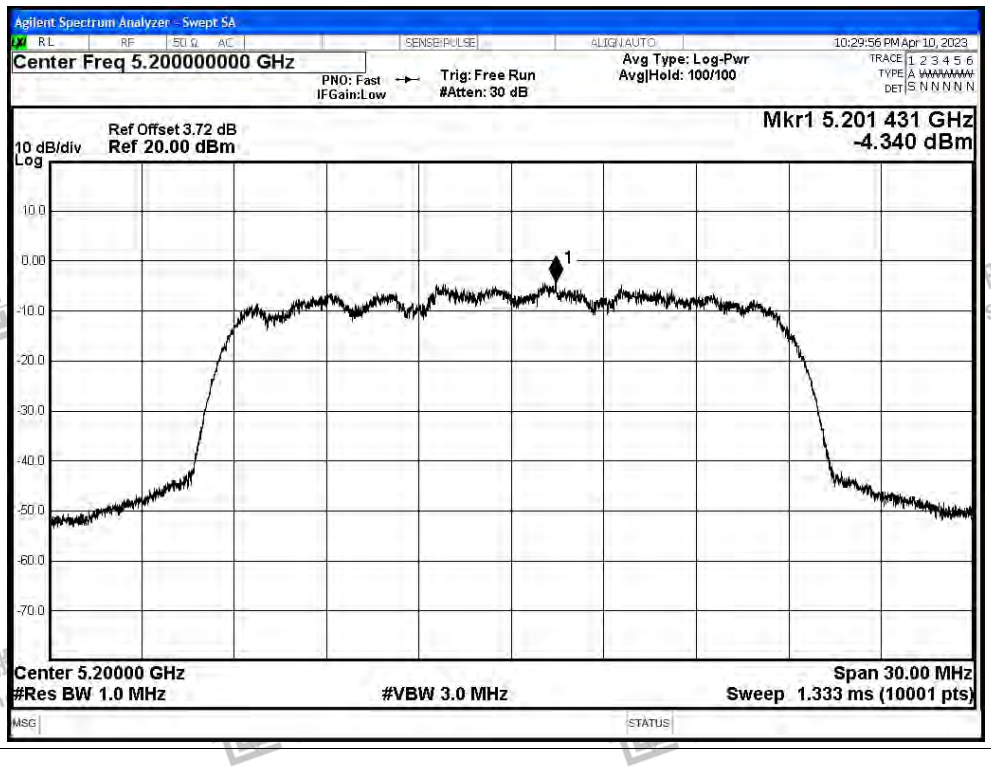


PSD NVNT ac20 5200MHz Ant1



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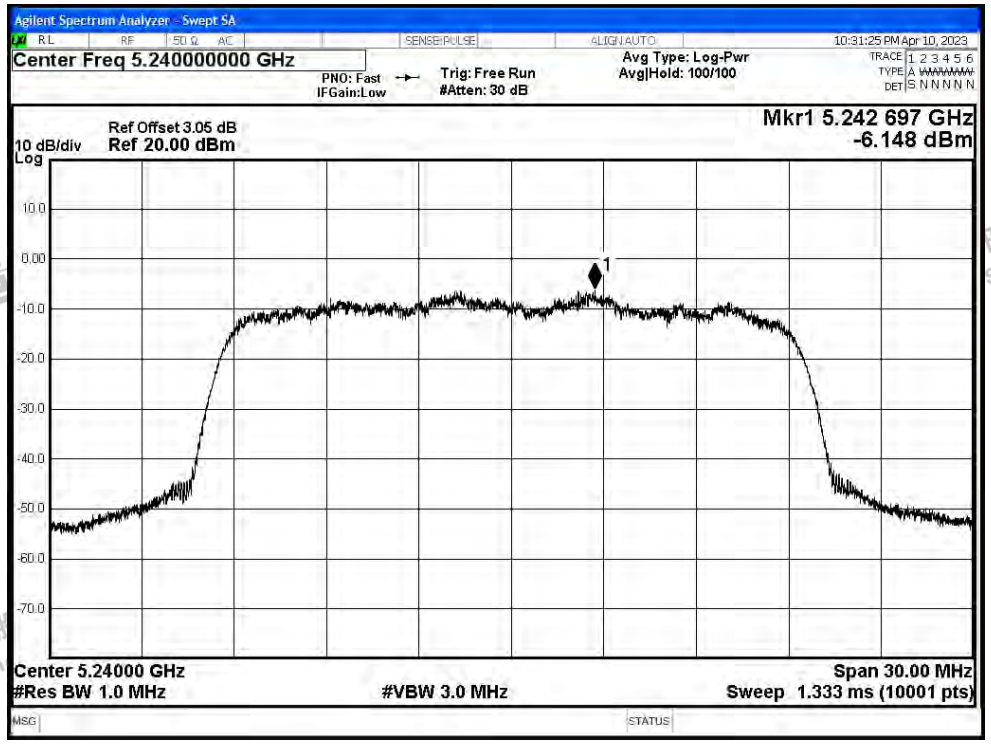

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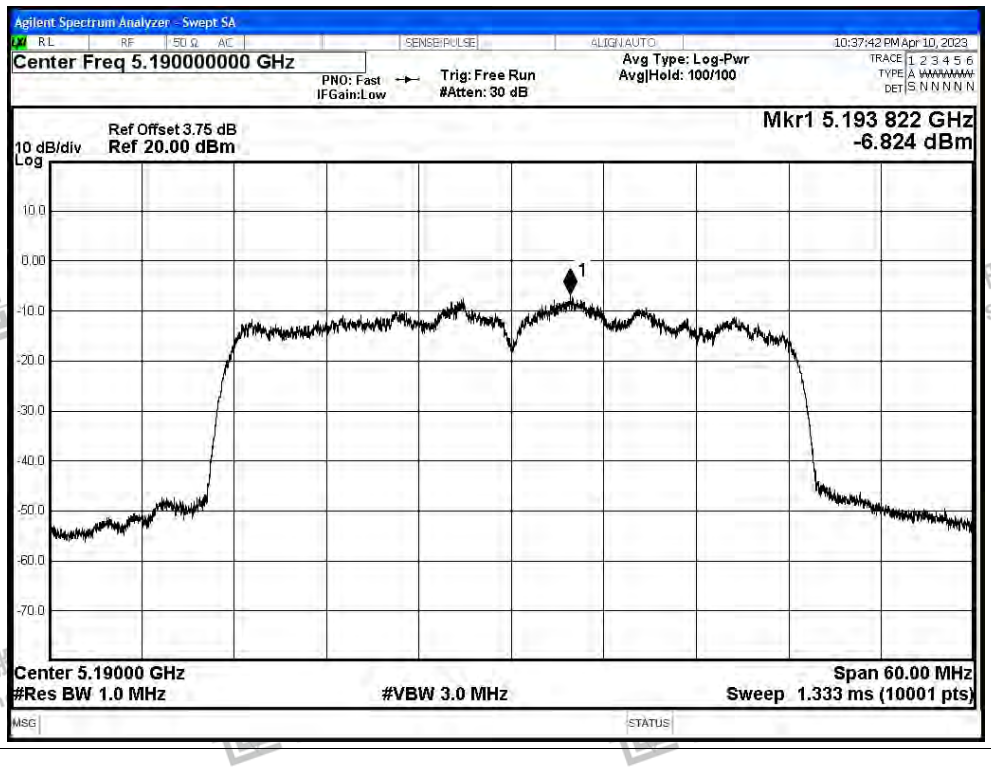

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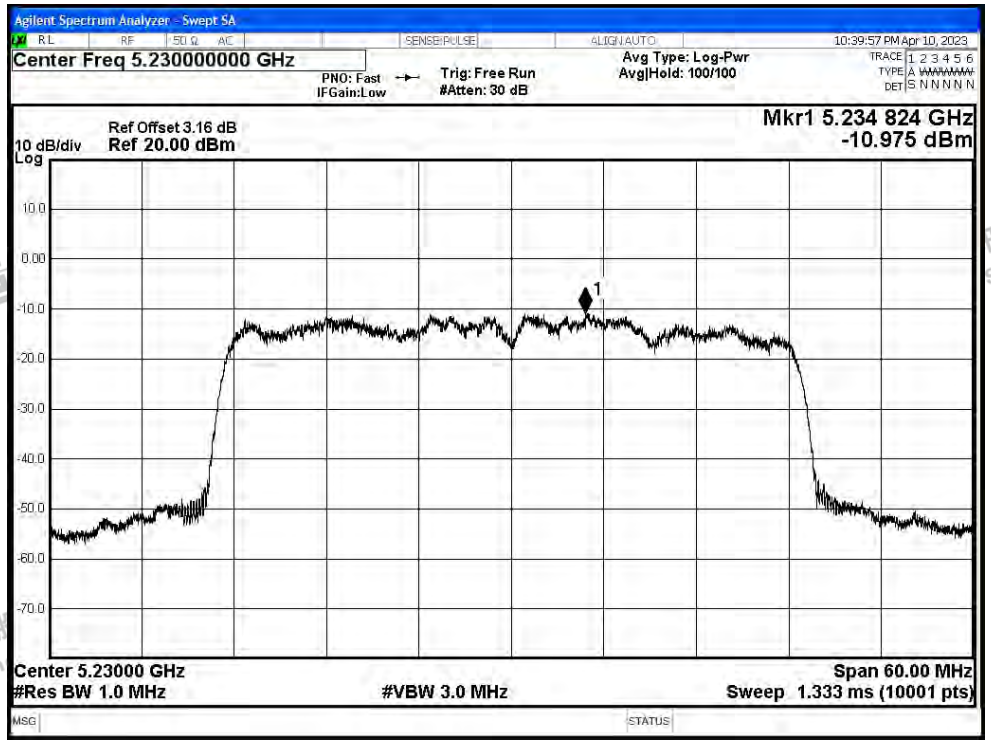
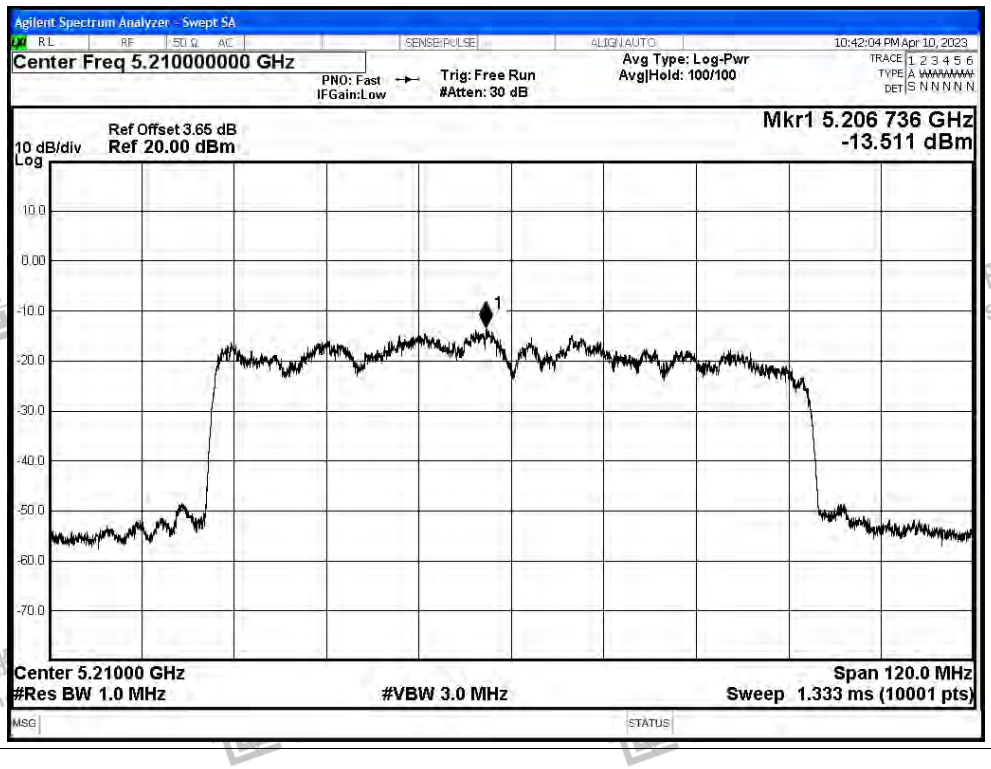


PSD NVNT ac80 5210MHz Ant1



D.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant0	4500	-48.98	2	48.25	Peak	68.2	Pass
NVNT	a	5180	Ant0	4500	-57.27	2	39.96	Average	54	Pass
NVNT	a	5180	Ant0	5146.8	-45.71	2	51.52	Peak	68.2	Pass
NVNT	a	5180	Ant0	5149.6	-54.28	2	42.95	Average	54	Pass
NVNT	a	5180	Ant0	5150	-47.84	2	49.39	Peak	68.2	Pass
NVNT	a	5180	Ant0	5150	-54.44	2	42.79	Average	54	Pass
NVNT	a	5240	Ant0	5350	-50.41	2	46.82	Peak	68.2	Pass
NVNT	a	5240	Ant0	5350	-56.55	2	40.68	Average	54	Pass
NVNT	a	5240	Ant0	5365.2	-46.33	2	50.9	Peak	68.2	Pass
NVNT	a	5240	Ant0	5353.44	-56.37	2	40.86	Average	54	Pass
NVNT	a	5240	Ant0	5460	-50.09	2	47.14	Peak	68.2	Pass
NVNT	a	5240	Ant0	5460	-56.98	2	40.25	Average	54	Pass
NVNT	n20	5180	Ant0	4500	-48.55	2	48.68	Peak	68.2	Pass
NVNT	n20	5180	Ant0	4500	-57.28	2	39.95	Average	54	Pass
NVNT	n20	5180	Ant0	5146.1	-45.14	2	52.09	Peak	68.2	Pass
NVNT	n20	5180	Ant0	5148.9	-54.27	2	42.96	Average	54	Pass
NVNT	n20	5180	Ant0	5150	-47.92	2	49.31	Peak	68.2	Pass
NVNT	n20	5180	Ant0	5150	-54.26	2	42.97	Average	54	Pass
NVNT	n20	5240	Ant0	5350	-48.33	2	48.9	Peak	68.2	Pass
NVNT	n20	5240	Ant0	5350	-56.53	2	40.7	Average	54	Pass
NVNT	n20	5240	Ant0	5352	-45.95	2	51.28	Peak	68.2	Pass
NVNT	n20	5240	Ant0	5355.36	-56.27	2	40.96	Average	54	Pass
NVNT	n20	5240	Ant0	5460	-49.49	2	47.74	Peak	68.2	Pass
NVNT	n20	5240	Ant0	5460	-56.9	2	40.33	Average	54	Pass
NVNT	n40	5190	Ant0	4500	-48.7	2	48.53	Peak	68.2	Pass
NVNT	n40	5190	Ant0	4500	-56.97	2	40.26	Average	54	Pass
NVNT	n40	5190	Ant0	5146.78	-42.86	2	54.37	Peak	68.2	Pass
NVNT	n40	5190	Ant0	5149.7	-53.67	2	43.56	Average	54	Pass
NVNT	n40	5190	Ant0	5150	-44.49	2	52.74	Peak	68.2	Pass
NVNT	n40	5190	Ant0	5150	-53.69	2	43.54	Average	54	Pass
NVNT	n40	5230	Ant0	5350	-48.38	2	48.85	Peak	68.2	Pass
NVNT	n40	5230	Ant0	5350	-56.27	2	40.96	Average	54	Pass
NVNT	n40	5230	Ant0	5364.69	-46.91	2	50.32	Peak	68.2	Pass
NVNT	n40	5230	Ant0	5356.59	-55.9	2	41.33	Average	54	Pass
NVNT	n40	5230	Ant0	5460	-49.42	2	47.81	Peak	68.2	Pass
NVNT	n40	5230	Ant0	5460	-56.65	2	40.58	Average	54	Pass

NVNT	ac20	5180	Ant0	4500	-49.49	2	47.74	Peak	68.2	Pass
NVNT	ac20	5180	Ant0	4500	-57.23	2	40	Average	54	Pass
NVNT	ac20	5180	Ant0	5146.8	-45.62	2	51.61	Peak	68.2	Pass
NVNT	ac20	5180	Ant0	5148.9	-54.28	2	42.95	Average	54	Pass
NVNT	ac20	5180	Ant0	5150	-47.96	2	49.27	Peak	68.2	Pass
NVNT	ac20	5180	Ant0	5150	-54.13	2	43.1	Average	54	Pass
NVNT	ac20	5240	Ant0	5350	-47.75	2	49.48	Peak	68.2	Pass
NVNT	ac20	5240	Ant0	5350	-56.43	2	40.8	Average	54	Pass
NVNT	ac20	5240	Ant0	5362.08	-46.72	2	50.51	Peak	68.2	Pass
NVNT	ac20	5240	Ant0	5352.48	-56.25	2	40.98	Average	54	Pass
NVNT	ac20	5240	Ant0	5460	-49.91	2	47.32	Peak	68.2	Pass
NVNT	ac20	5240	Ant0	5460	-56.91	2	40.32	Average	54	Pass
NVNT	ac40	5190	Ant0	4500	-49.78	2	47.45	Peak	68.2	Pass
NVNT	ac40	5190	Ant0	4500	-57.14	2	40.09	Average	54	Pass
NVNT	ac40	5190	Ant0	5145.32	-45.47	2	51.76	Peak	68.2	Pass
NVNT	ac40	5190	Ant0	5149.7	-53.66	2	43.57	Average	54	Pass
NVNT	ac40	5190	Ant0	5150	-46.67	2	50.56	Peak	68.2	Pass
NVNT	ac40	5190	Ant0	5150	-53.66	2	43.57	Average	54	Pass
NVNT	ac40	5230	Ant0	5350	-48.23	2	49	Peak	68.2	Pass
NVNT	ac40	5230	Ant0	5350	-55.98	2	41.25	Average	54	Pass
NVNT	ac40	5230	Ant0	5383.32	-46.74	2	50.49	Peak	68.2	Pass
NVNT	ac40	5230	Ant0	5352.81	-55.88	2	41.35	Average	54	Pass
NVNT	ac40	5230	Ant0	5460	-49.01	2	48.22	Peak	68.2	Pass
NVNT	ac40	5230	Ant0	5460	-56.81	2	40.42	Average	54	Pass
NVNT	ac80	5210	Ant0	5350	-46.89	2	50.34	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5350	-55.6	2	41.63	Average	54	Pass
NVNT	ac80	5210	Ant0	5413.8	-46.33	2	50.9	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5351.43	-55.04	2	42.19	Average	54	Pass
NVNT	ac80	5210	Ant0	5460	-50.03	2	47.2	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5460	-55.85	2	41.38	Average	54	Pass
NVNT	ac80	5210	Ant0	4500	-50.53	2	46.7	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	4500	-56.86	2	40.37	Average	54	Pass
NVNT	ac80	5210	Ant0	5148.59	-45.1	2	52.13	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5141.48	-52.1	2	45.13	Average	54	Pass
NVNT	ac80	5210	Ant0	5150	-45.96	2	51.27	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5150	-52.27	2	44.96	Average	54	Pass
NVNT	a	5180	Ant1	4500	-48.62	2	48.61	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-57.34	2	39.89	Average	54	Pass
NVNT	a	5180	Ant1	5134.2	-44.66	2	52.57	Peak	68.2	Pass
NVNT	a	5180	Ant1	5149.6	-55.59	2	41.64	Average	54	Pass

NVNT	a	5180	Ant1	5150	-48.62	2	48.61	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-56.01	2	41.22	Average	54	Pass
NVNT	a	5240	Ant1	5350	-50.57	2	46.66	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-57.45	2	39.78	Average	54	Pass
NVNT	a	5240	Ant1	5362.32	-47.53	2	49.7	Peak	68.2	Pass
NVNT	a	5240	Ant1	5359.92	-57.04	2	40.19	Average	54	Pass
NVNT	a	5240	Ant1	5460	-48.8	2	48.43	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-57.32	2	39.91	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-50.33	2	46.9	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-57.35	2	39.88	Average	54	Pass
NVNT	n20	5180	Ant1	5131.4	-46.04	2	51.19	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5143.3	-55.56	2	41.67	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-48.76	2	48.47	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-55.81	2	41.42	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-50.62	2	46.61	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-57.34	2	39.89	Average	54	Pass
NVNT	n20	5240	Ant1	5352.72	-47.51	2	49.72	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5351.76	-56.97	2	40.26	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-50.27	2	46.96	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-57.11	2	40.12	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-50.72	2	46.51	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-57.07	2	40.16	Average	54	Pass
NVNT	n40	5190	Ant1	5143.13	-46.47	2	50.76	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5149.7	-55.28	2	41.95	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-48.19	2	49.04	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-55.68	2	41.55	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-50.41	2	46.82	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-57.13	2	40.1	Average	54	Pass
NVNT	n40	5230	Ant1	5391.15	-46.77	2	50.46	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5359.56	-56.61	2	40.62	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-48.85	2	48.38	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-57.12	2	40.11	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-49.3	2	47.93	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-57.33	2	39.9	Average	54	Pass
NVNT	ac20	5180	Ant1	5084.5	-46.1	2	51.13	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5148.2	-55.51	2	41.72	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-48.29	2	48.94	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-55.73	2	41.5	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-48.92	2	48.31	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-57.46	2	39.77	Average	54	Pass

NVNT	ac20	5240	Ant1	5435.28	-47.67	2	49.56	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5351.76	-56.84	2	40.39	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-50.5	2	46.73	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-57.4	2	39.83	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-49.24	2	47.99	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-57.14	2	40.09	Average	54	Pass
NVNT	ac40	5190	Ant1	5146.05	-45.4	2	51.83	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-55.38	2	41.85	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-47.48	2	49.75	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-55.71	2	41.52	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-50.47	2	46.76	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-57.04	2	40.19	Average	54	Pass
NVNT	ac40	5230	Ant1	5397.63	-47.02	2	50.21	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5365.77	-56.61	2	40.62	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-50.11	2	47.12	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-57.03	2	40.2	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-49.29	2	47.94	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-56.45	2	40.78	Average	54	Pass
NVNT	ac80	5210	Ant1	5358.36	-46.29	2	50.94	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5362.32	-55.6	2	41.63	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-49.44	2	47.79	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-56.33	2	40.9	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-50.22	2	47.01	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-56.94	2	40.29	Average	54	Pass
NVNT	ac80	5210	Ant1	5136.74	-45.85	2	51.38	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5149.38	-54.87	2	42.36	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-48.09	2	49.14	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-55.61	2	41.62	Average	54	Pass

Note：802.11a mode, only show the worst set of antenna data. (Antenna 0)

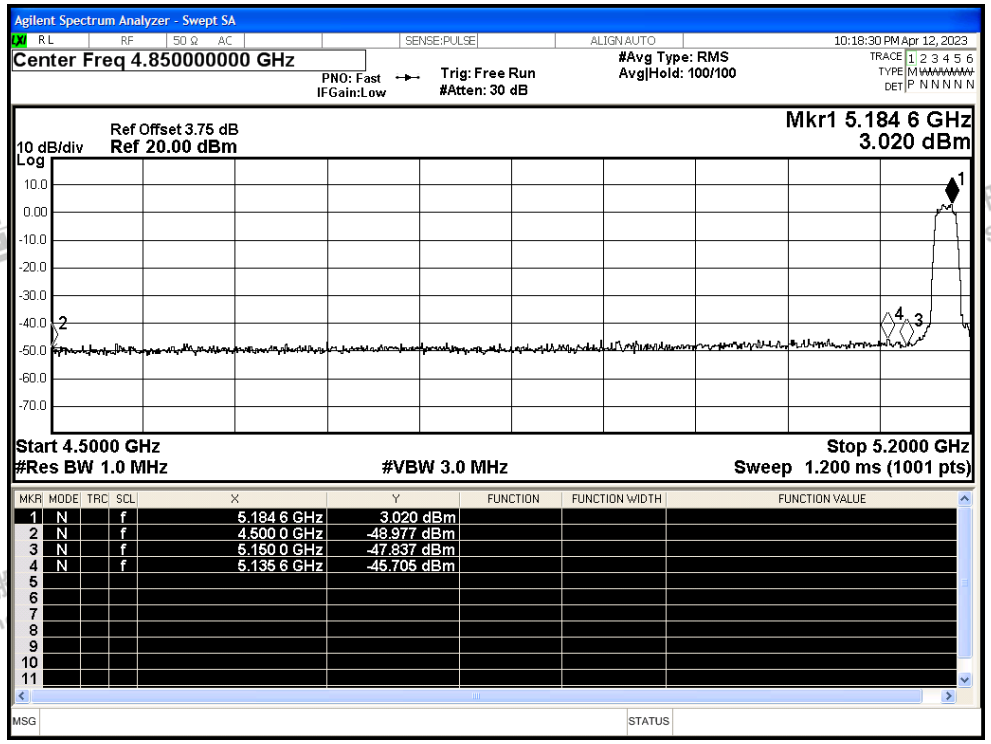
MIMO

Condition	Mode	Frequency (MHz)	ANT0 Power (dBm)	ANT1 Power (dBm)	Gain (dBi)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5180	-48.55	-50.33	5.01	53.90	Peak	68.2	Pass
NVNT	n20	5180	-57.28	-57.35	5.01	45.94	Average	54	Pass
NVNT	n20	5180	-45.14	-46.04	5.01	57.68	Peak	68.2	Pass
NVNT	n20	5180	-54.27	-55.56	5.01	48.38	Average	54	Pass
NVNT	n20	5180	-47.92	-48.76	5.01	54.93	Peak	68.2	Pass
NVNT	n20	5180	-54.26	-55.81	5.01	48.28	Average	54	Pass
NVNT	n20	5240	-48.33	-50.62	5.01	53.92	Peak	68.2	Pass
NVNT	n20	5240	-56.53	-57.34	5.01	46.33	Average	54	Pass
NVNT	n20	5240	-45.95	-47.51	5.01	56.59	Peak	68.2	Pass
NVNT	n20	5240	-56.27	-56.97	5.01	46.64	Average	54	Pass
NVNT	n20	5240	-49.49	-50.27	5.01	53.39	Peak	68.2	Pass
NVNT	n20	5240	-56.9	-57.11	5.01	46.25	Average	54	Pass
NVNT	n40	5190	-48.7	-50.72	5.01	53.66	Peak	68.2	Pass
NVNT	n40	5190	-56.97	-57.07	5.01	46.23	Average	54	Pass
NVNT	n40	5190	-42.86	-46.47	5.01	58.95	Peak	68.2	Pass
NVNT	n40	5190	-53.67	-55.28	5.01	48.85	Average	54	Pass
NVNT	n40	5190	-44.49	-48.19	5.01	57.29	Peak	68.2	Pass
NVNT	n40	5190	-53.69	-55.68	5.01	48.68	Average	54	Pass
NVNT	n40	5230	-48.38	-50.41	5.01	53.97	Peak	68.2	Pass
NVNT	n40	5230	-56.27	-57.13	5.01	46.57	Average	54	Pass
NVNT	n40	5230	-46.91	-46.77	5.01	56.41	Peak	68.2	Pass
NVNT	n40	5230	-55.9	-56.61	5.01	47.01	Average	54	Pass
NVNT	n40	5230	-49.42	-48.85	5.01	54.12	Peak	68.2	Pass
NVNT	n40	5230	-56.65	-57.12	5.01	46.37	Average	54	Pass
NVNT	ac20	5180	-49.49	-49.3	5.01	53.86	Peak	68.2	Pass
NVNT	ac20	5180	-57.23	-57.33	5.01	45.97	Average	54	Pass
NVNT	ac20	5180	-45.62	-46.1	5.01	57.40	Peak	68.2	Pass
NVNT	ac20	5180	-54.28	-55.51	5.01	48.40	Average	54	Pass
NVNT	ac20	5180	-47.96	-48.29	5.01	55.13	Peak	68.2	Pass
NVNT	ac20	5180	-54.13	-55.73	5.01	48.39	Average	54	Pass
NVNT	ac20	5240	-47.75	-48.92	5.01	54.95	Peak	68.2	Pass
NVNT	ac20	5240	-56.43	-57.46	5.01	46.34	Average	54	Pass
NVNT	ac20	5240	-46.72	-47.67	5.01	56.08	Peak	68.2	Pass
NVNT	ac20	5240	-56.25	-56.84	5.01	46.72	Average	54	Pass
NVNT	ac20	5240	-49.91	-50.5	5.01	53.06	Peak	68.2	Pass
NVNT	ac20	5240	-56.91	-57.4	5.01	46.10	Average	54	Pass

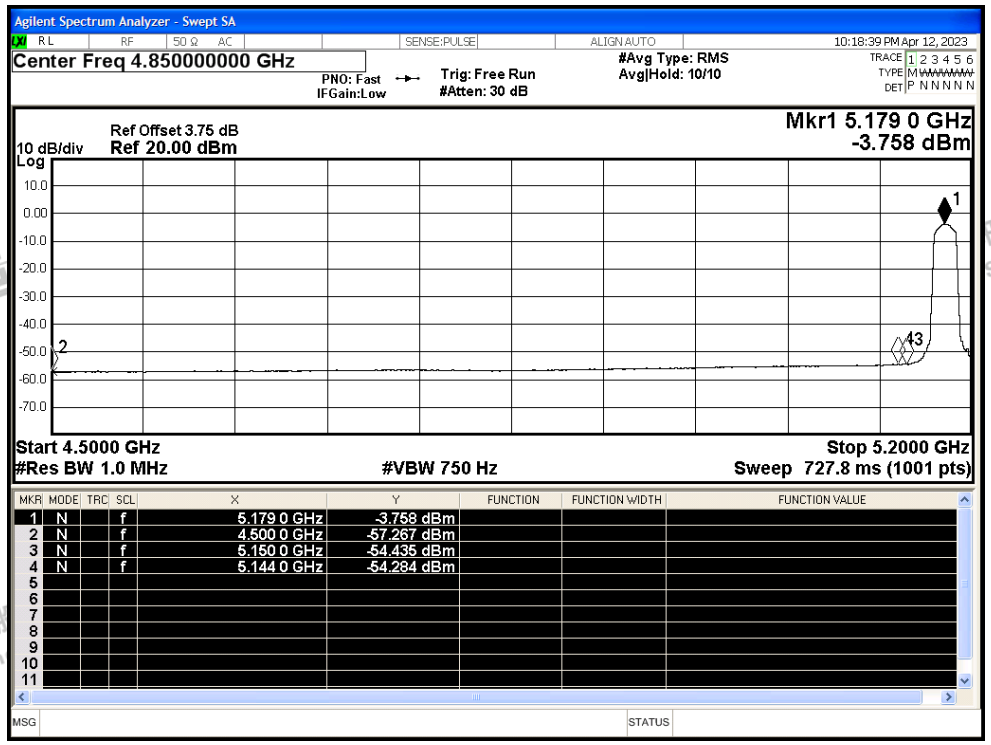
NVNT	ac40	5190	-49.78	-49.24	5.01	53.75	Peak	68.2	Pass
NVNT	ac40	5190	-57.14	-57.14	5.01	46.11	Average	54	Pass
NVNT	ac40	5190	-45.47	-45.4	5.01	57.82	Peak	68.2	Pass
NVNT	ac40	5190	-53.66	-55.38	5.01	48.81	Average	54	Pass
NVNT	ac40	5190	-46.67	-47.48	5.01	56.19	Peak	68.2	Pass
NVNT	ac40	5190	-53.66	-55.71	5.01	48.69	Average	54	Pass
NVNT	ac40	5230	-48.23	-50.47	5.01	54.04	Peak	68.2	Pass
NVNT	ac40	5230	-55.98	-57.04	5.01	46.77	Average	54	Pass
NVNT	ac40	5230	-46.74	-47.02	5.01	56.37	Peak	68.2	Pass
NVNT	ac40	5230	-55.88	-56.61	5.01	47.02	Average	54	Pass
NVNT	ac40	5230	-49.01	-50.11	5.01	53.73	Peak	68.2	Pass
NVNT	ac40	5230	-56.81	-57.03	5.01	46.33	Average	54	Pass
NVNT	ac80	5210	-46.89	-49.29	5.01	55.32	Peak	68.2	Pass
NVNT	ac80	5210	-55.6	-56.45	5.01	47.25	Average	54	Pass
NVNT	ac80	5210	-46.33	-46.29	5.01	56.94	Peak	68.2	Pass
NVNT	ac80	5210	-55.04	-55.6	5.01	47.94	Average	54	Pass
NVNT	ac80	5210	-50.03	-49.44	5.01	53.53	Peak	68.2	Pass
NVNT	ac80	5210	-55.85	-56.33	5.01	47.17	Average	54	Pass
NVNT	ac80	5210	-50.53	-50.22	5.01	52.88	Peak	68.2	Pass
NVNT	ac80	5210	-56.86	-56.94	5.01	46.35	Average	54	Pass
NVNT	ac80	5210	-45.1	-45.85	5.01	57.79	Peak	68.2	Pass
NVNT	ac80	5210	-52.1	-54.87	5.01	49.98	Average	54	Pass
NVNT	ac80	5210	-45.96	-48.09	5.01	56.35	Peak	68.2	Pass
NVNT	ac80	5210	-52.27	-55.61	5.01	49.62	Average	54	Pass

Test Graphs

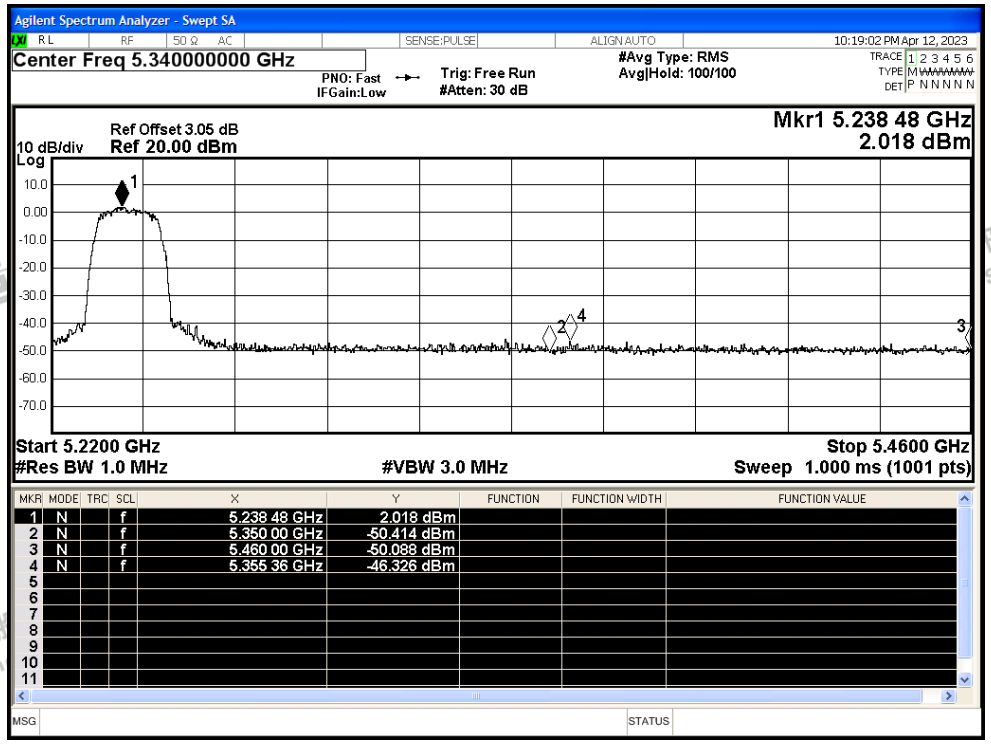
Restrict Band NVNT a 5180MHz Ant0 Peak



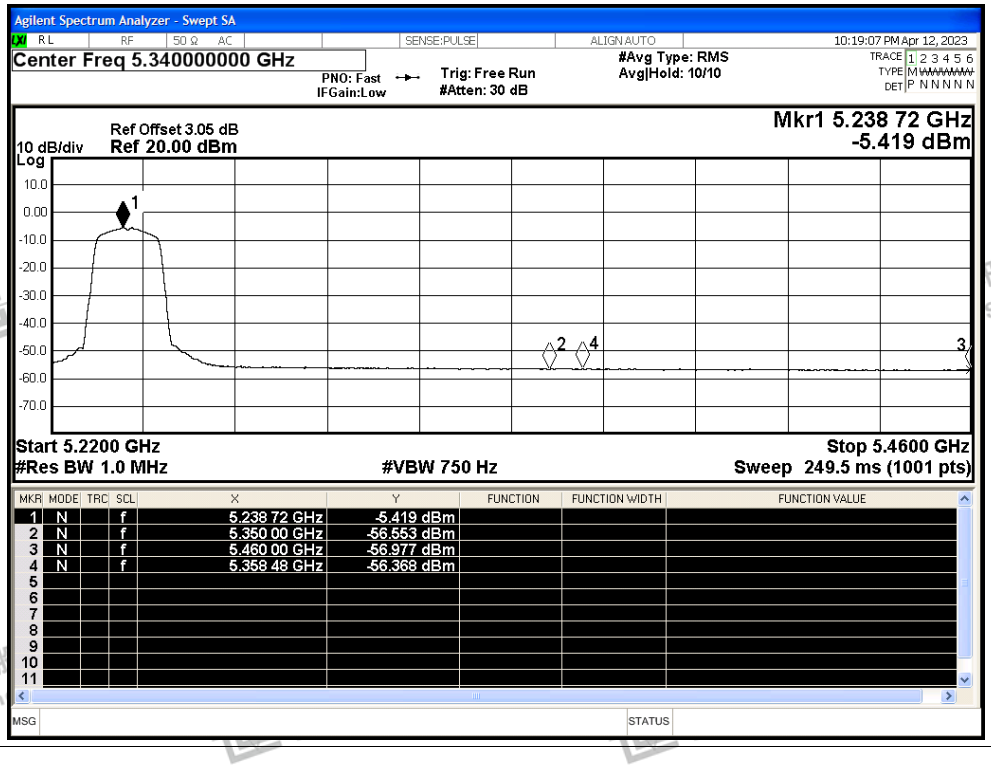
Restrict Band NVNT a 5180MHz Ant0 Average



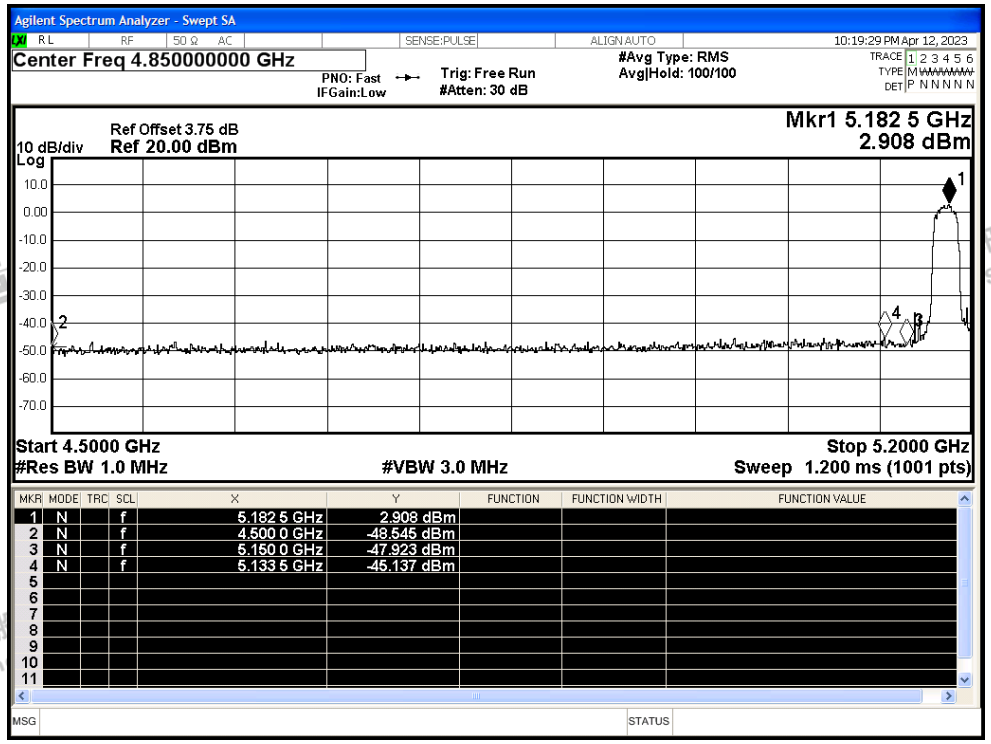
Restrict Band NVNT a 5240MHz Ant0 Peak



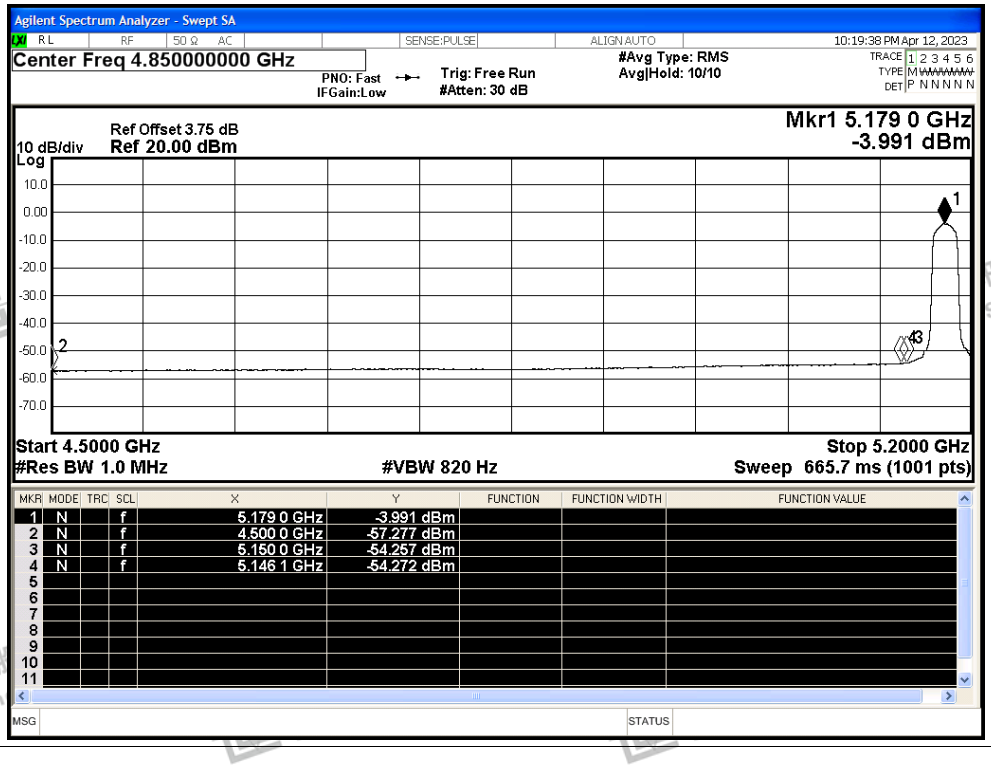
Restrict Band NVNT a 5240MHz Ant0 Average



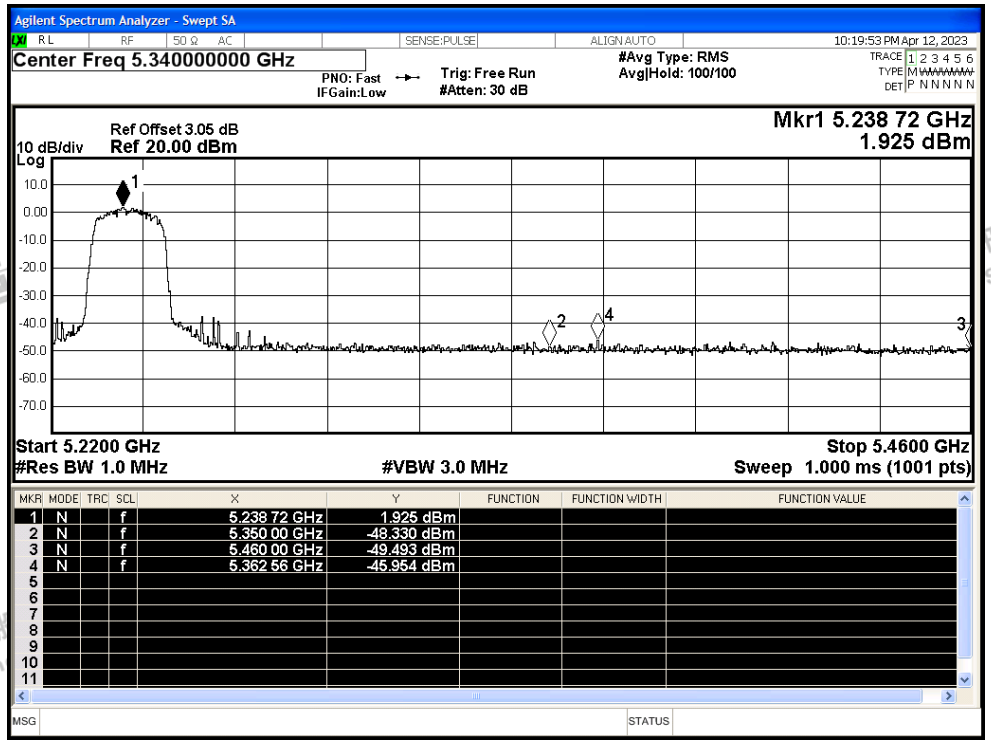
Restrict Band NVNT n20 5180MHz Ant0 Peak



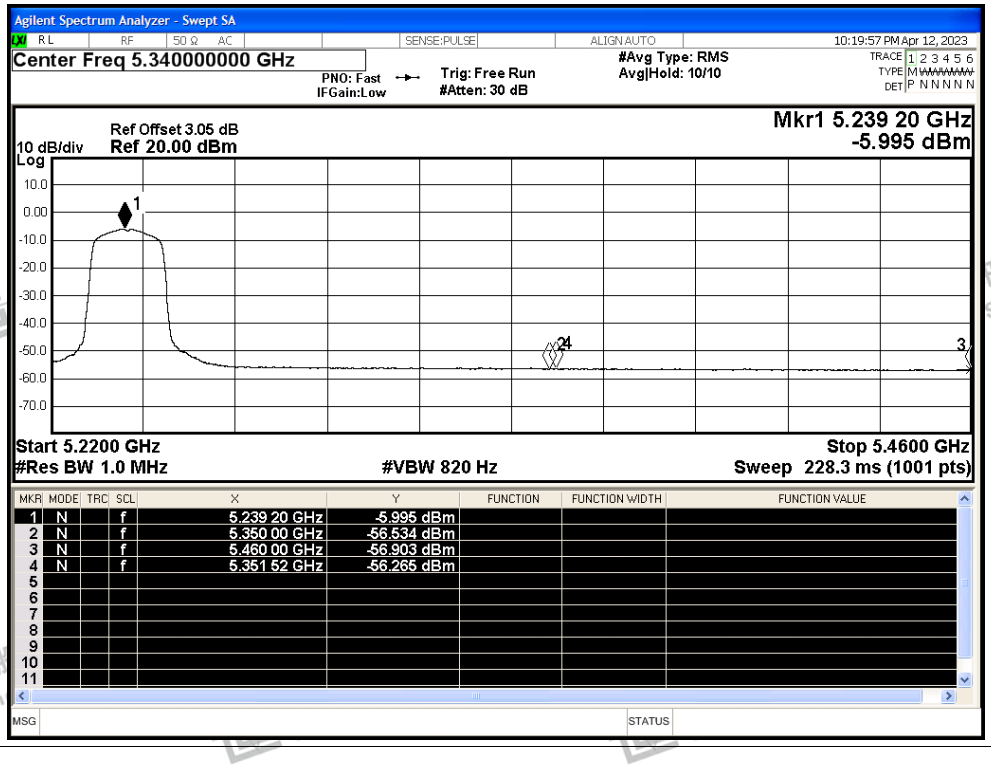
Restrict Band NVNT n20 5180MHz Ant0 Average



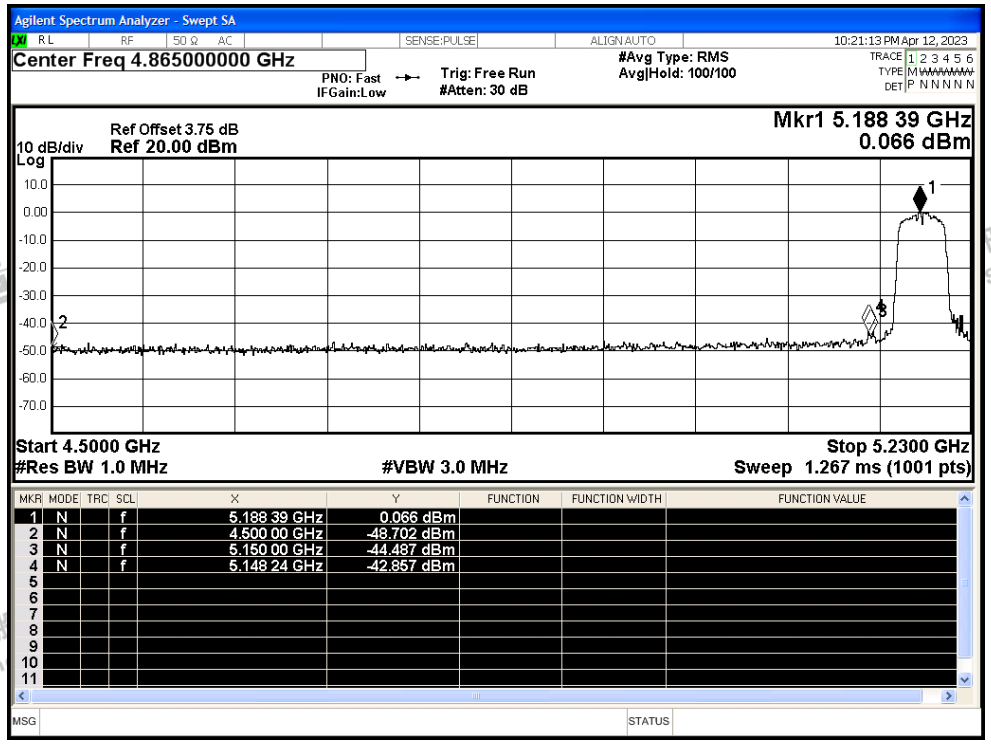
Restrict Band NVNT n20 5240MHz Ant0 Peak



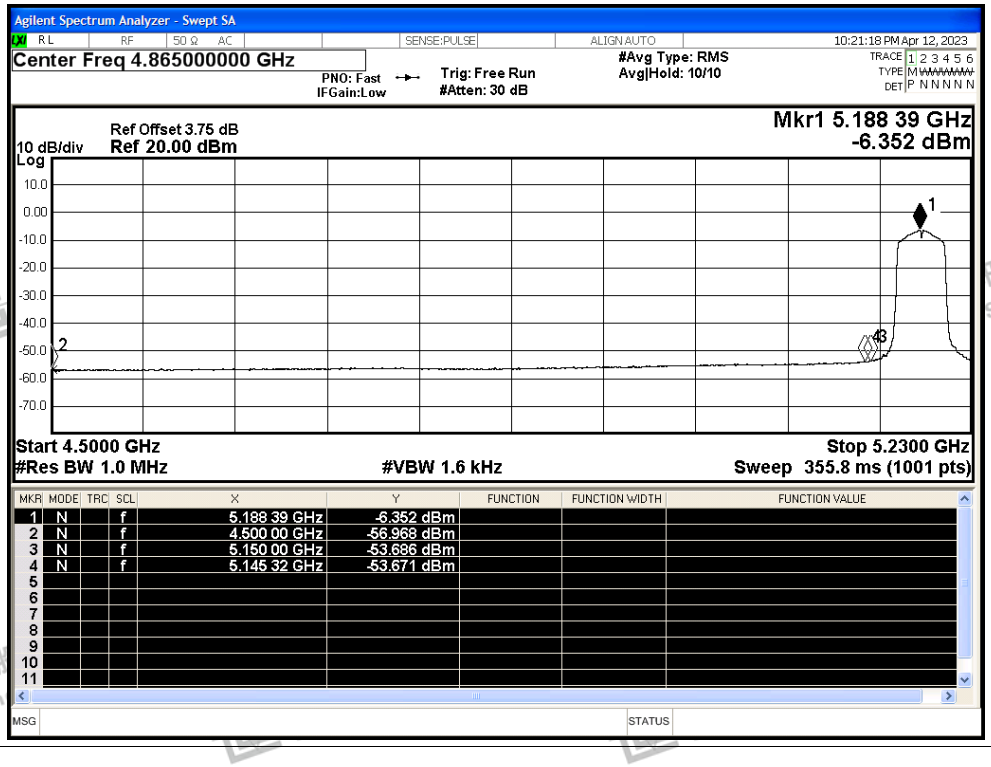
Restrict Band NVNT n20 5240MHz Ant0 Average



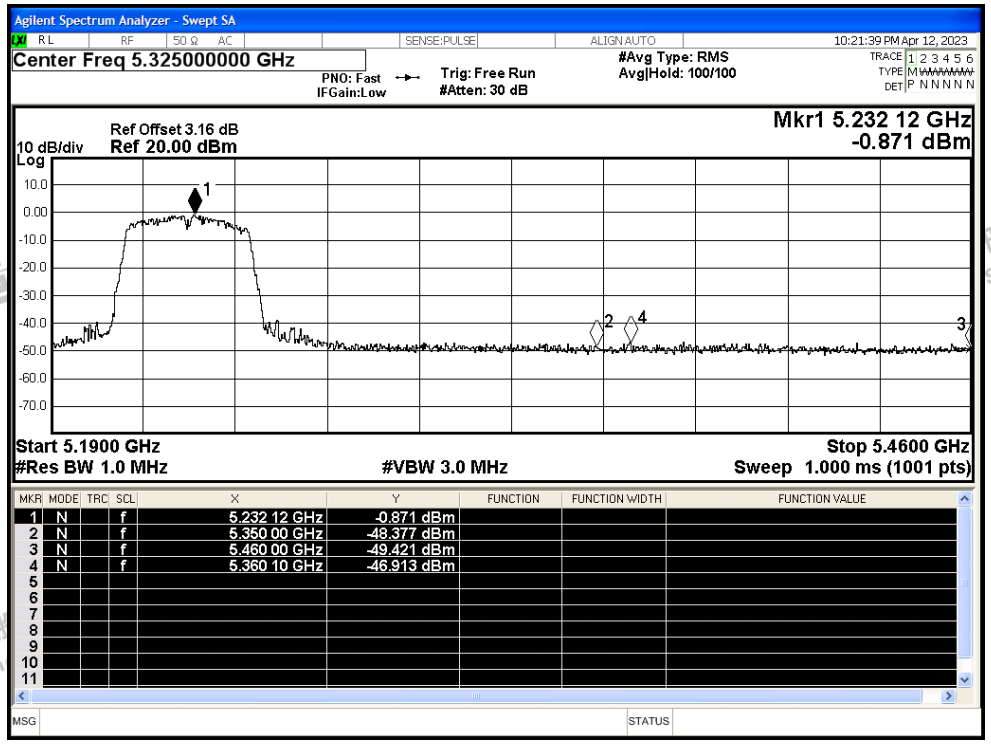
Restrict Band NVNT n40 5190MHz Ant0 Peak



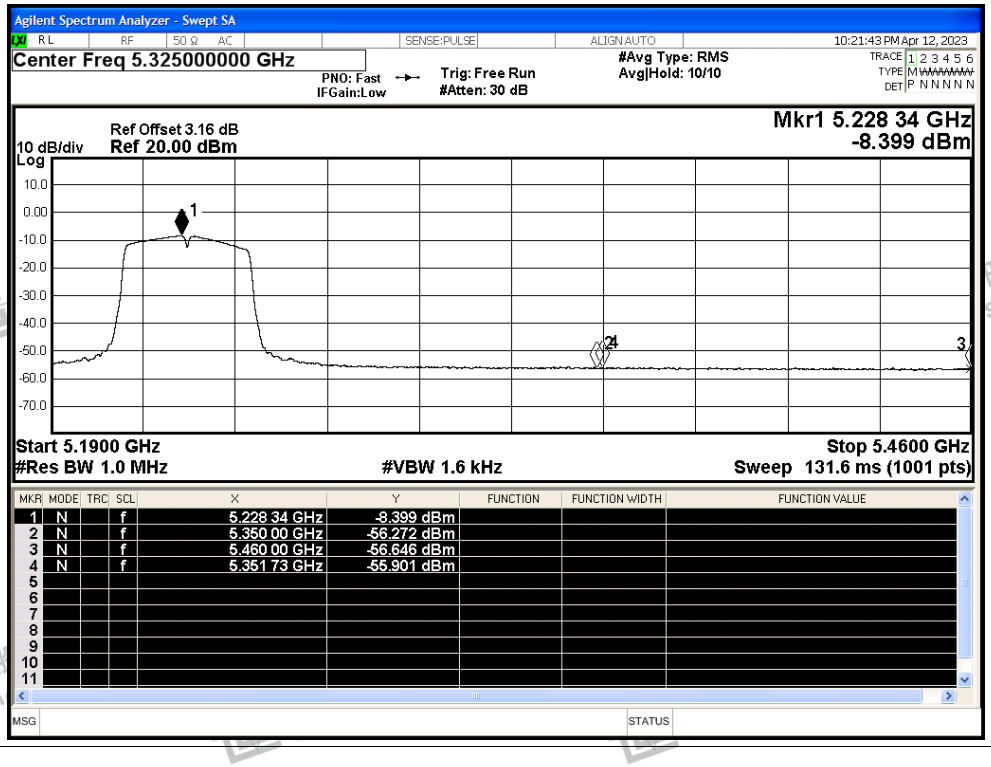
Restrict Band NVNT n40 5190MHz Ant0 Average



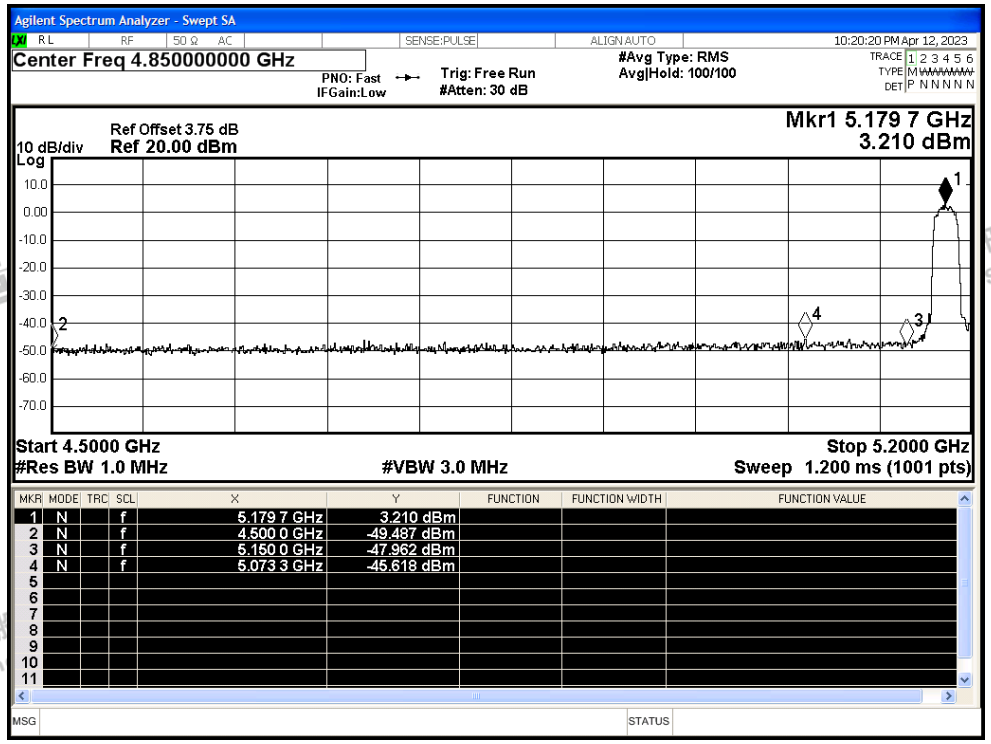
Restrict Band NVNT n40 5230MHz Ant0 Peak



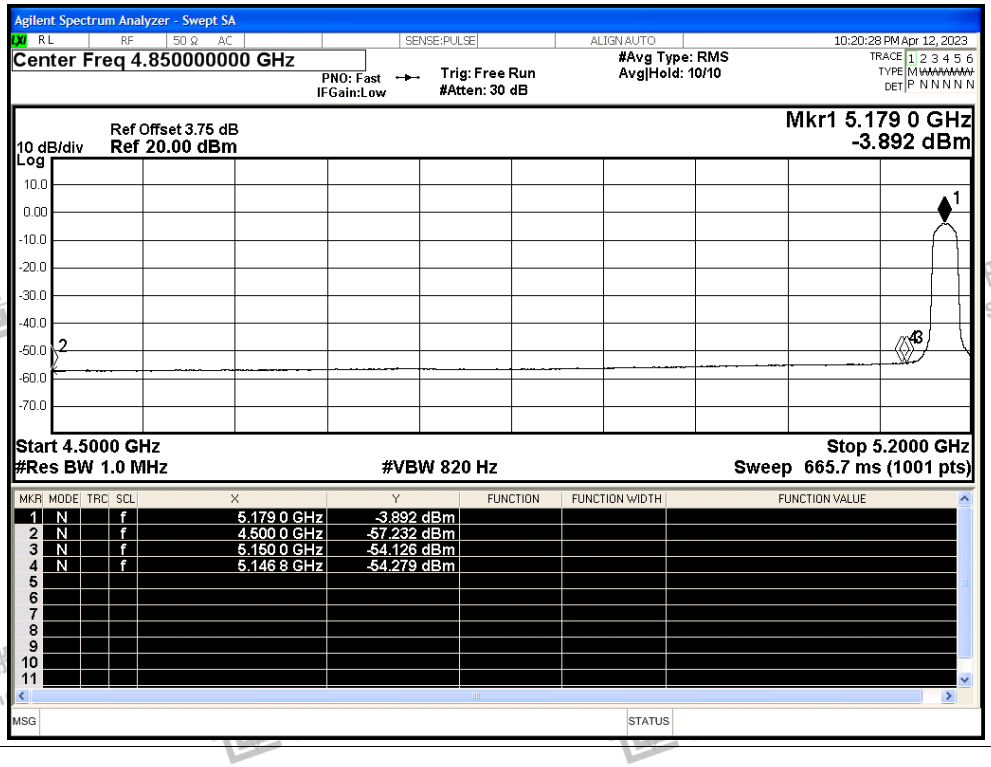
Restrict Band NVNT n40 5230MHz Ant0 Average



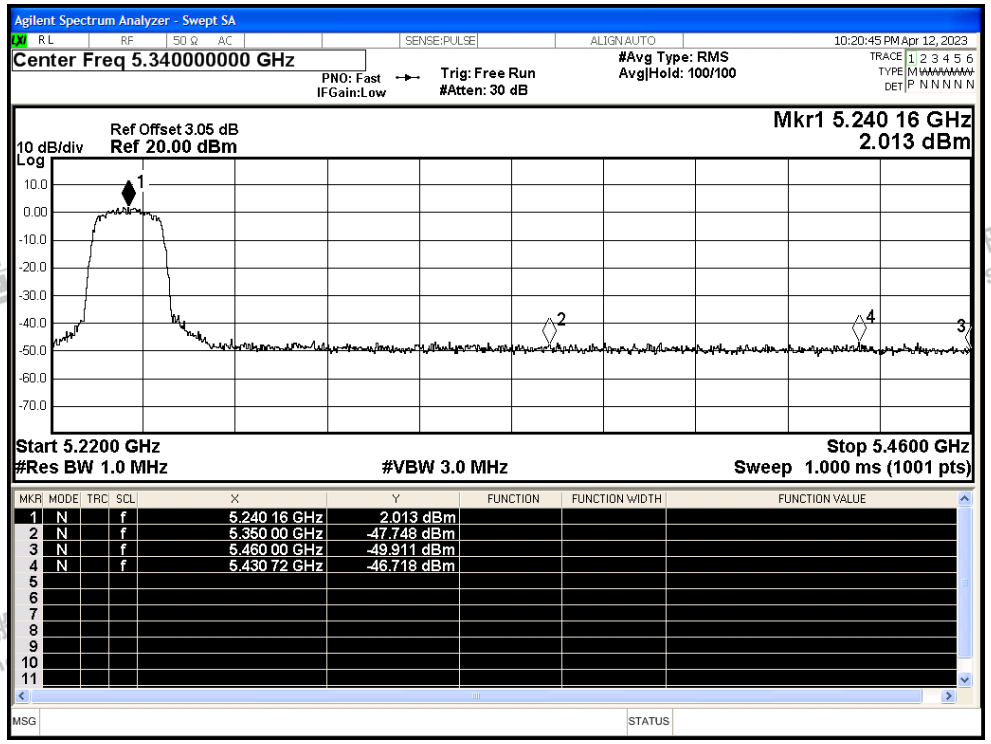
Restrict Band NVNT ac20 5180MHz Ant0 Peak



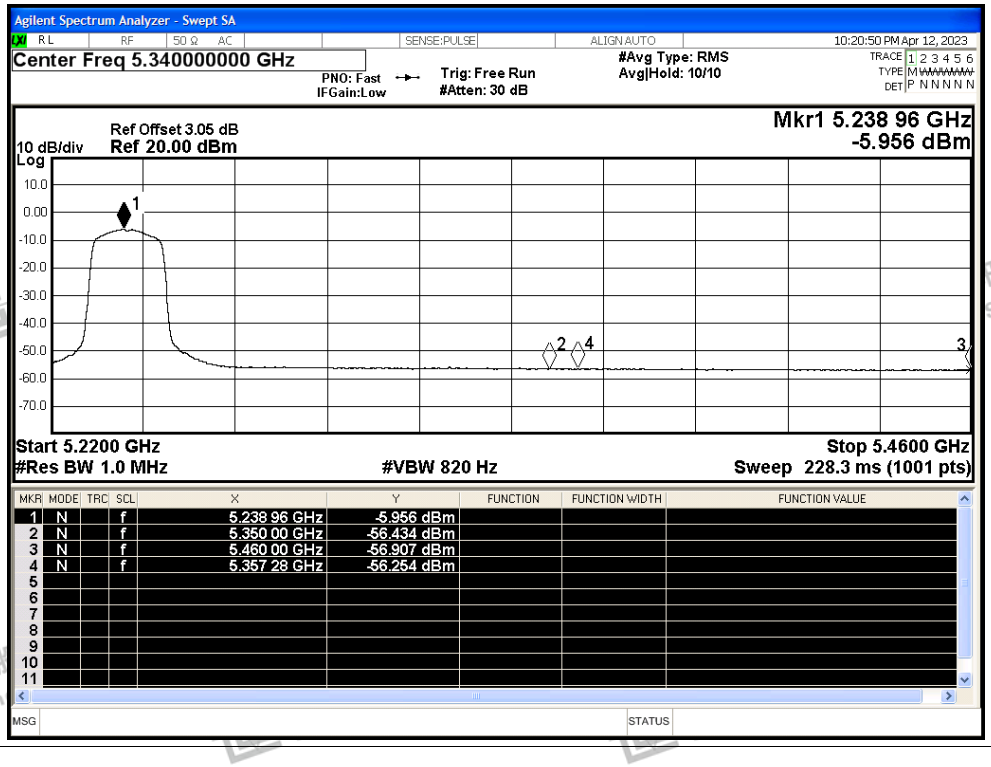
Restrict Band NVNT ac20 5180MHz Ant0 Average



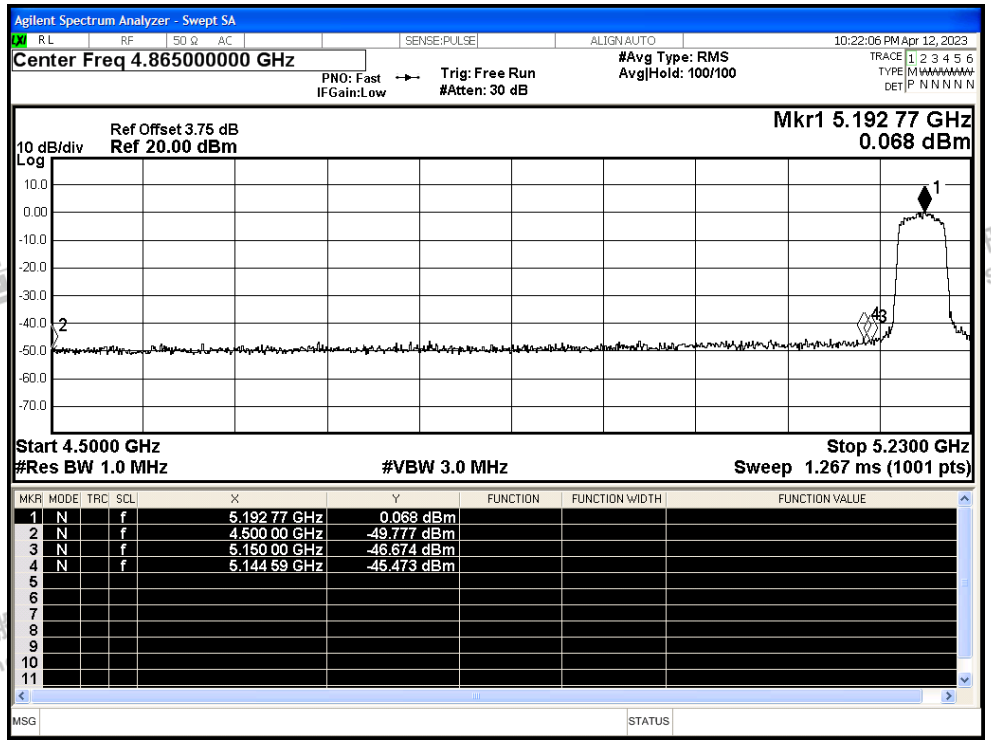
Restrict Band NVNT ac20 5240MHz Ant0 Peak



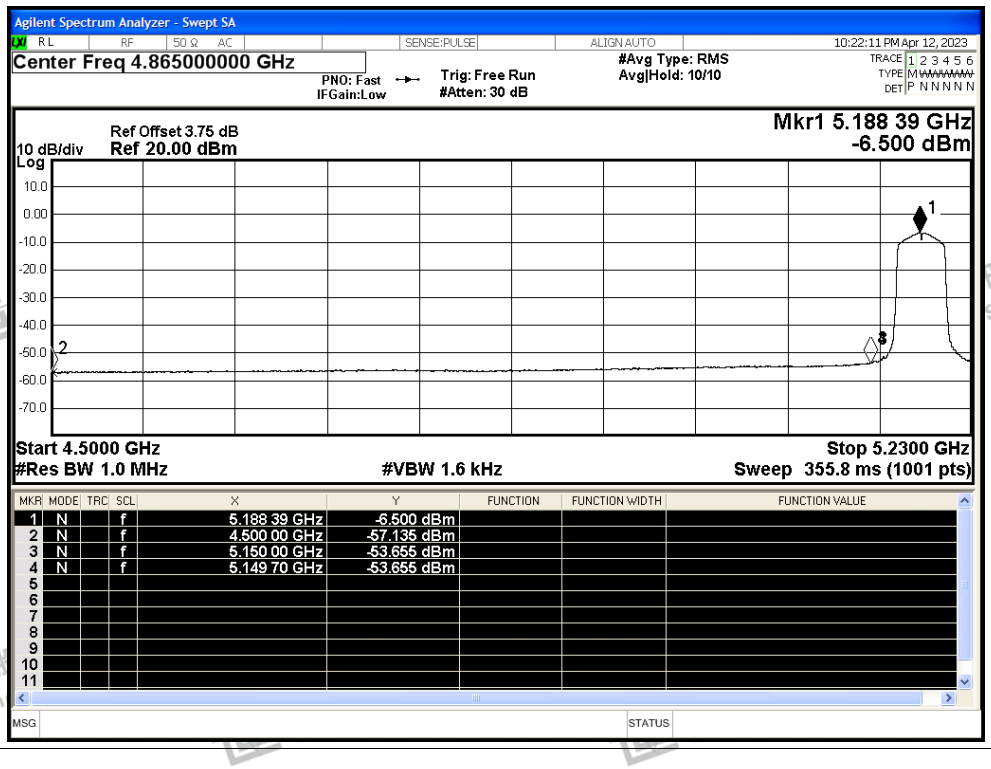
Restrict Band NVNT ac20 5240MHz Ant0 Average



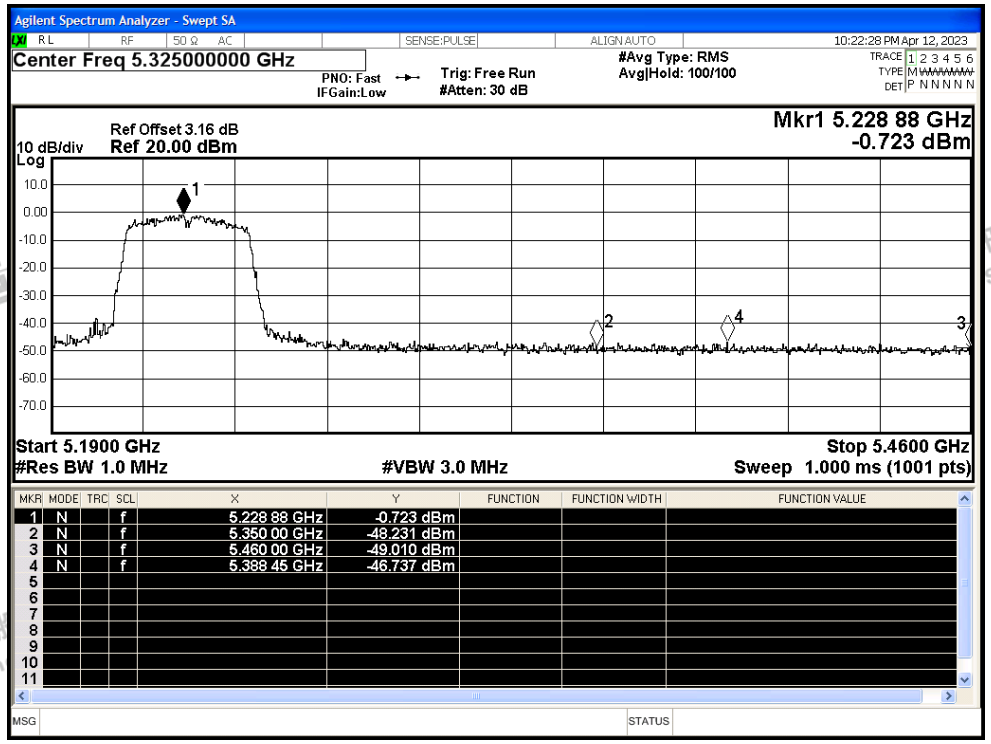
Restrict Band NVNT ac40 5190MHz Ant0 Peak



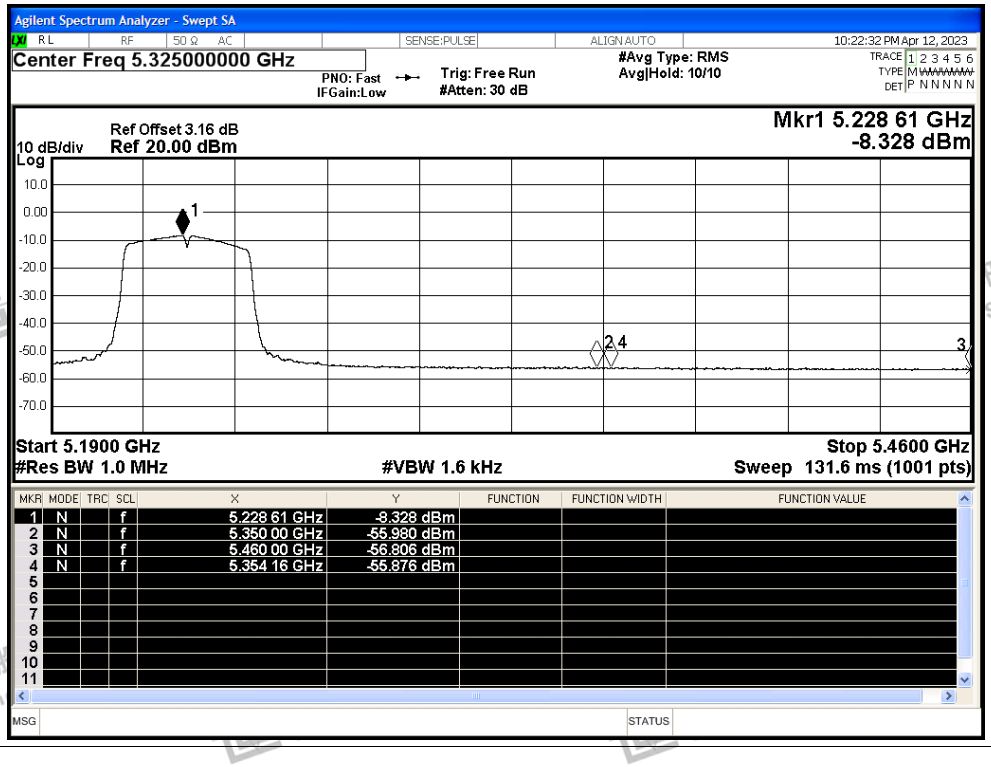
Restrict Band NVNT ac40 5190MHz Ant0 Average



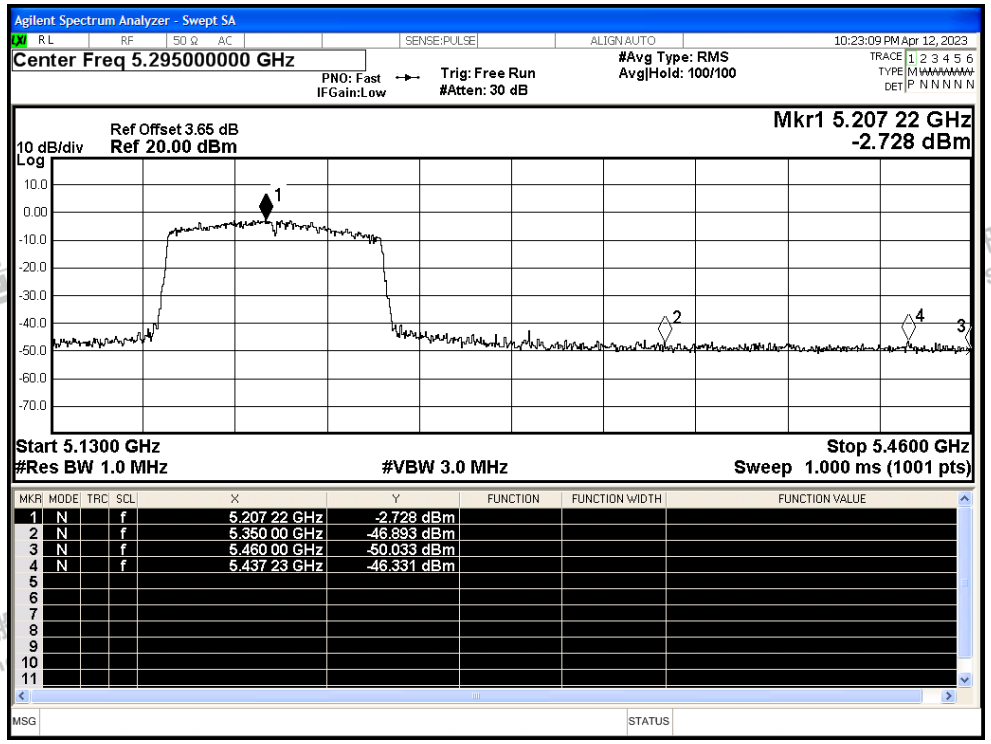
Restrict Band NVNT ac40 5230MHz Ant0 Peak



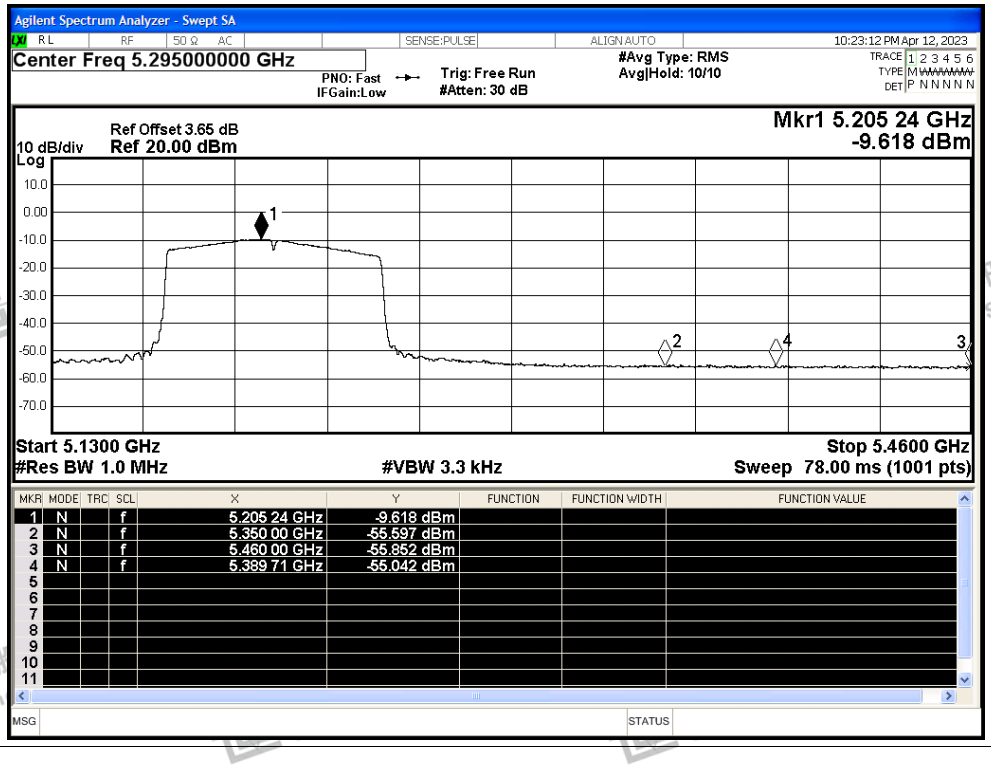
Restrict Band NVNT ac40 5230MHz Ant0 Average



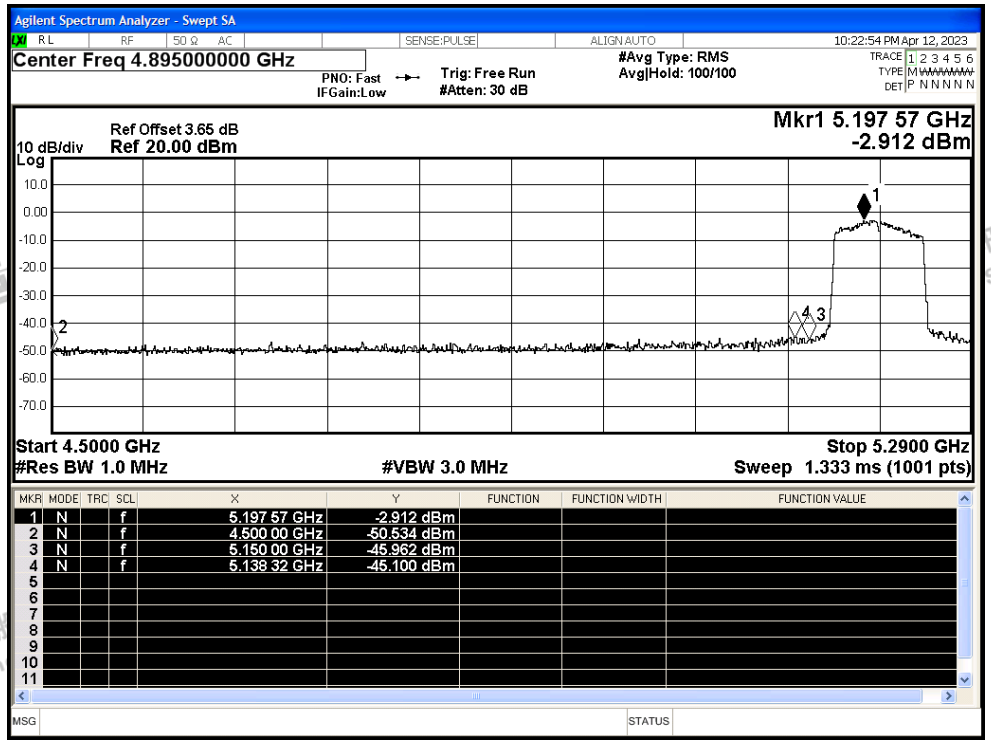
Restrict Band NVNT ac80 5210MHz Ant0 Peak



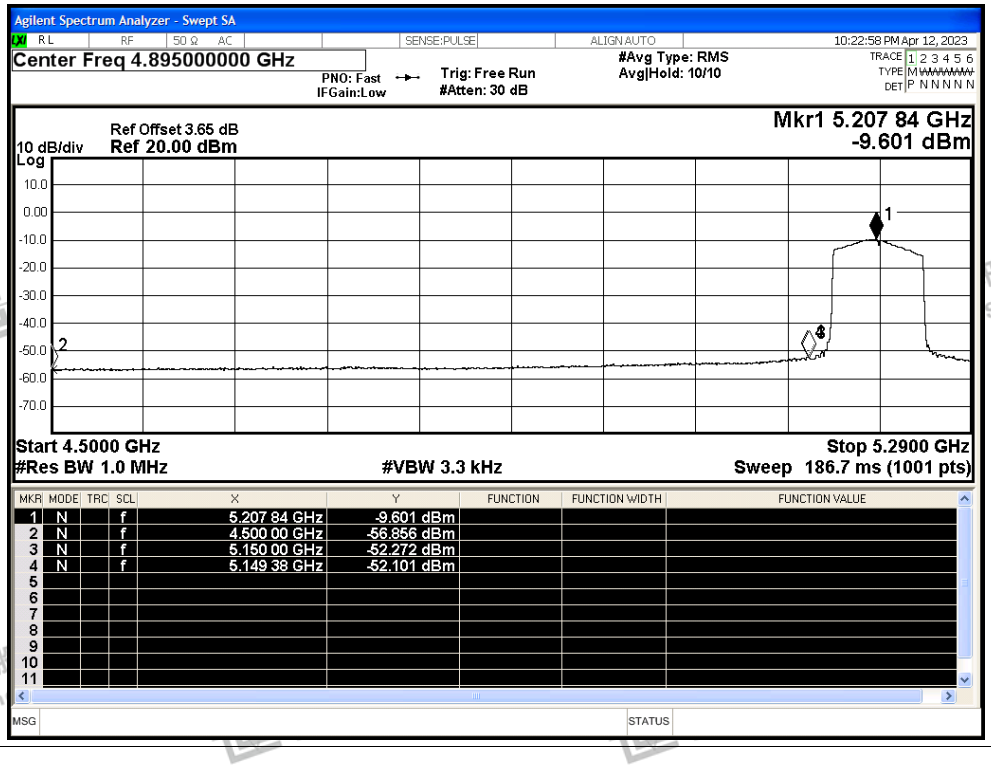
Restrict Band NVNT ac80 5210MHz Ant0 Average



Restrict Band NVNT ac80 5210MHz Ant0 Peak

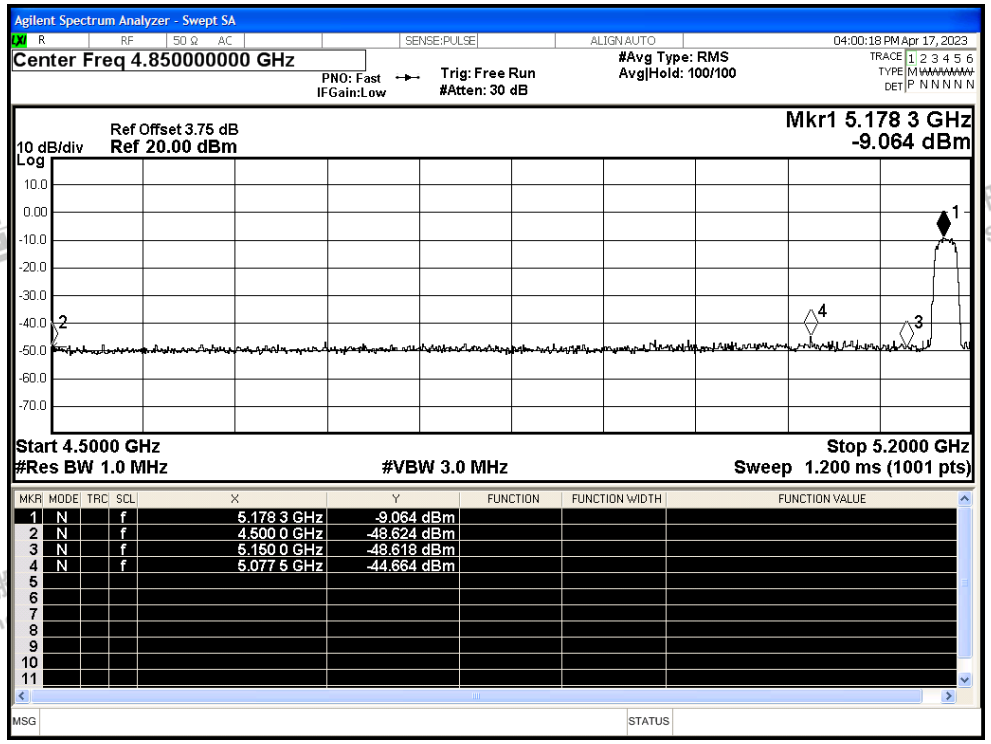


Restrict Band NVNT ac80 5210MHz Ant0 Average

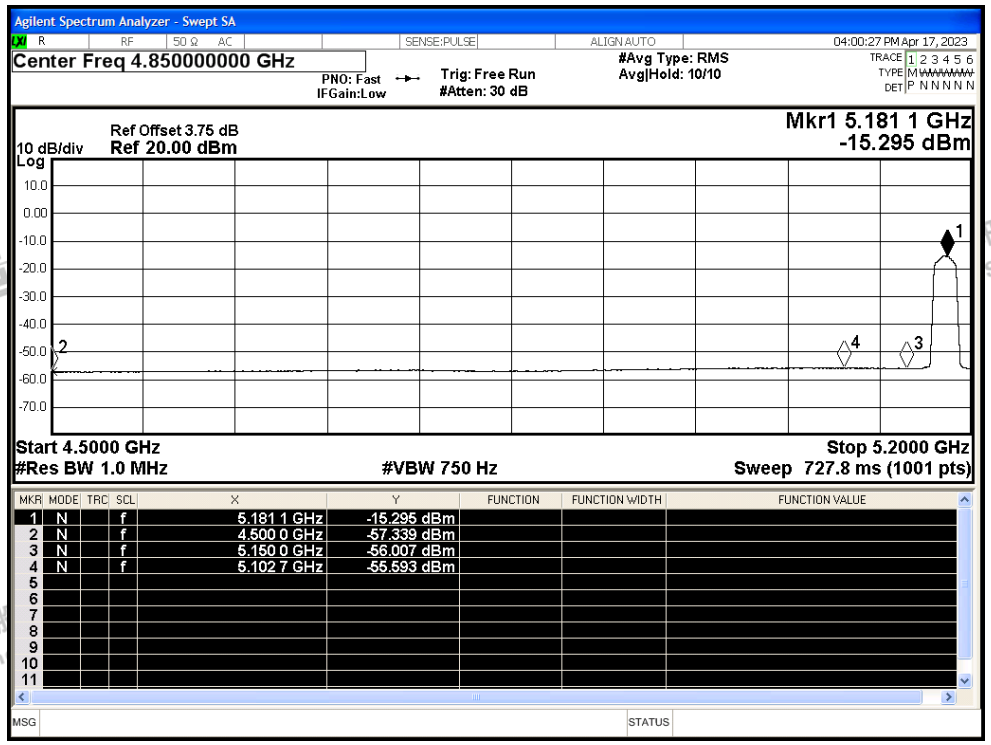


Test Graphs

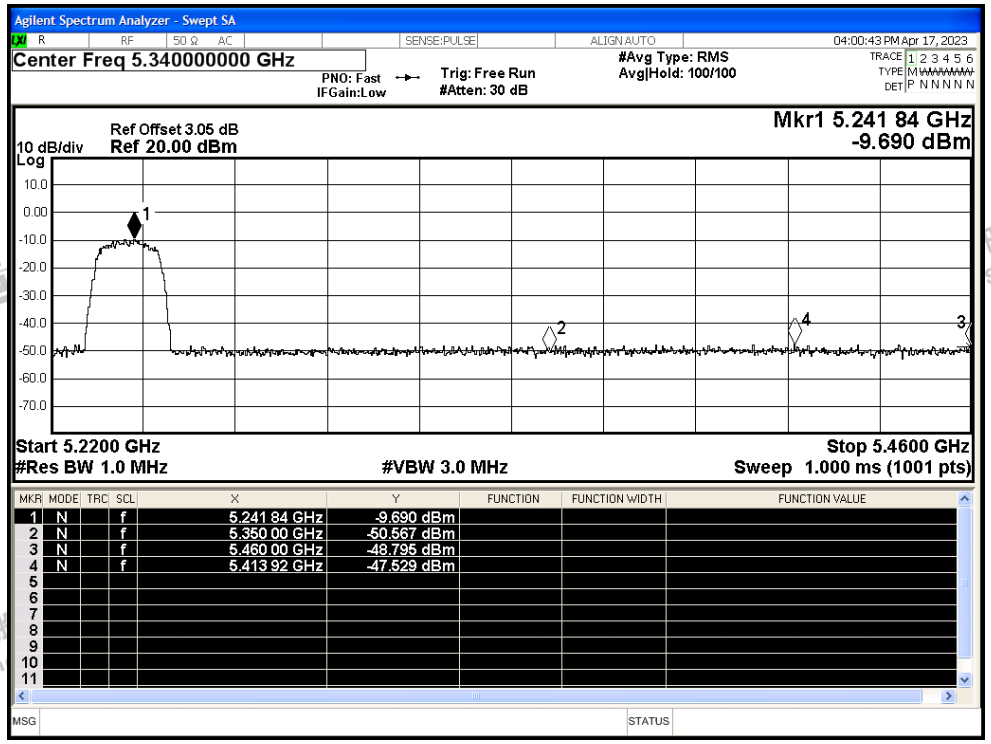
Restrict Band NVNT a 5180MHz Ant1 Peak



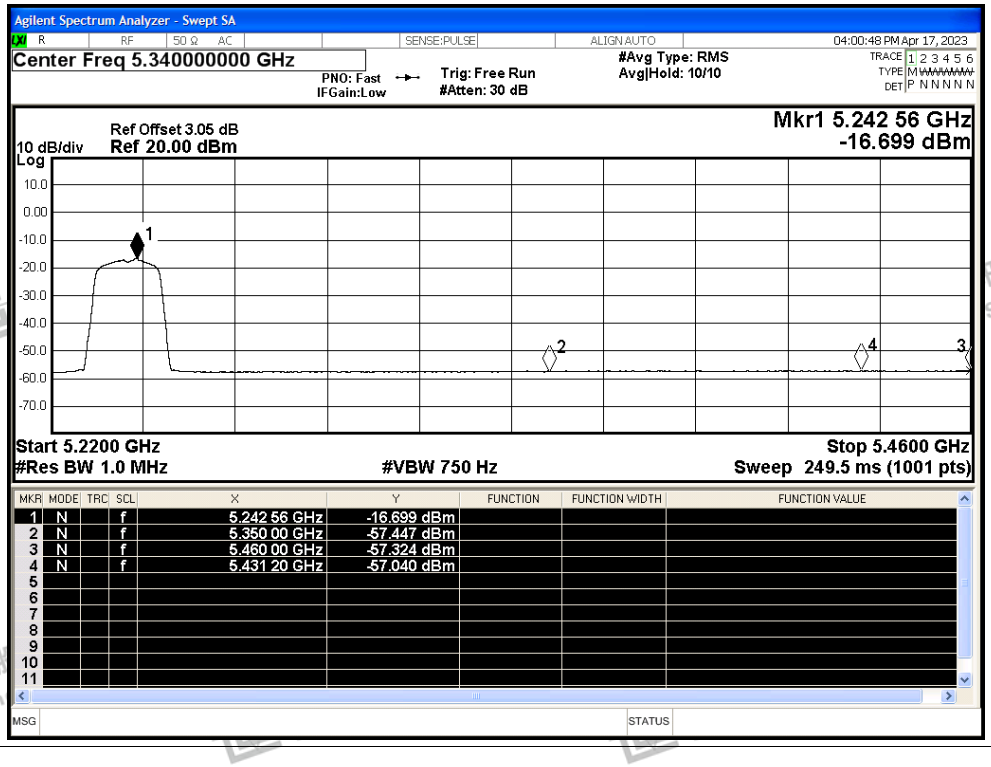
Restrict Band NVNT a 5180MHz Ant1 Average



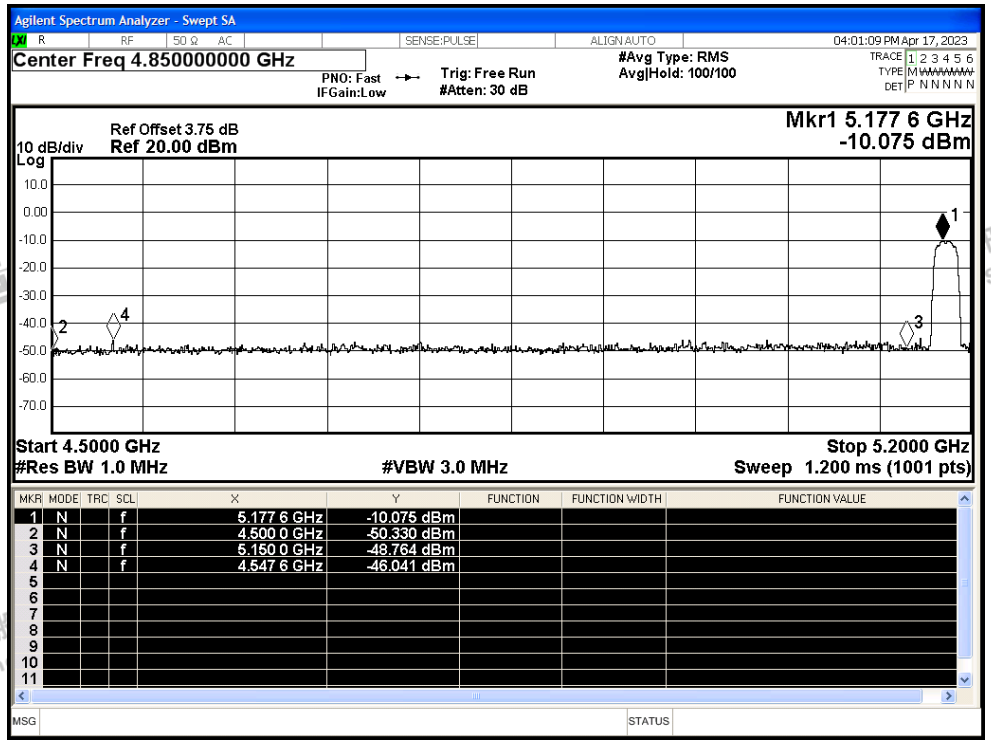
Restrict Band NVNT a 5240MHz Ant1 Peak



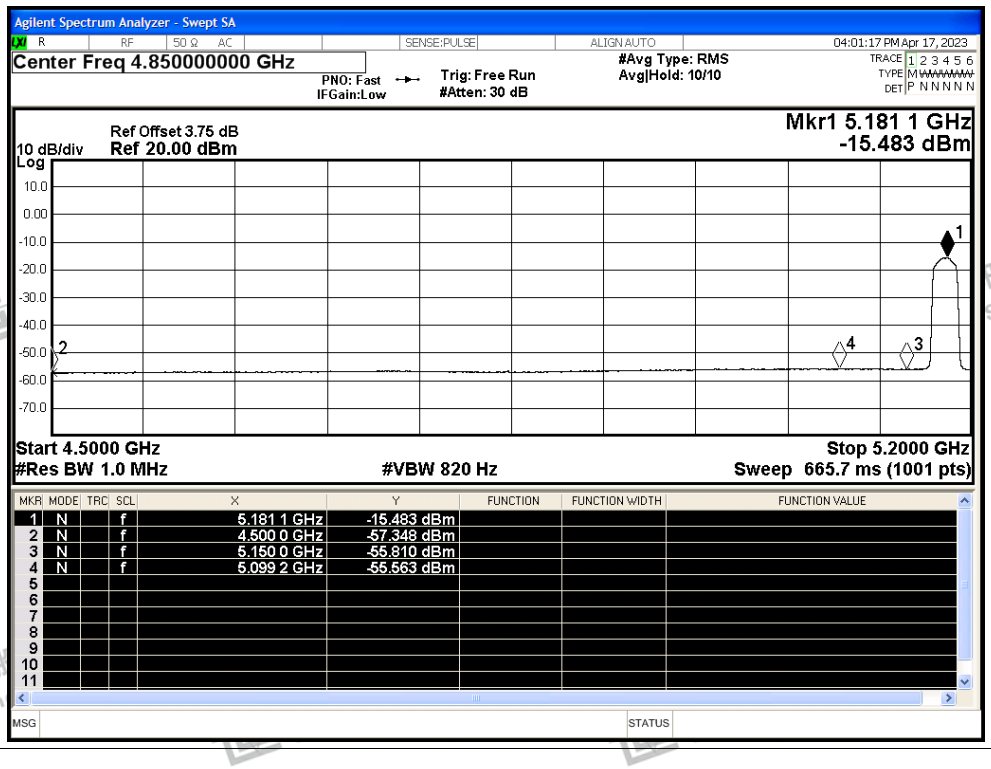
Restrict Band NVNT a 5240MHz Ant1 Average



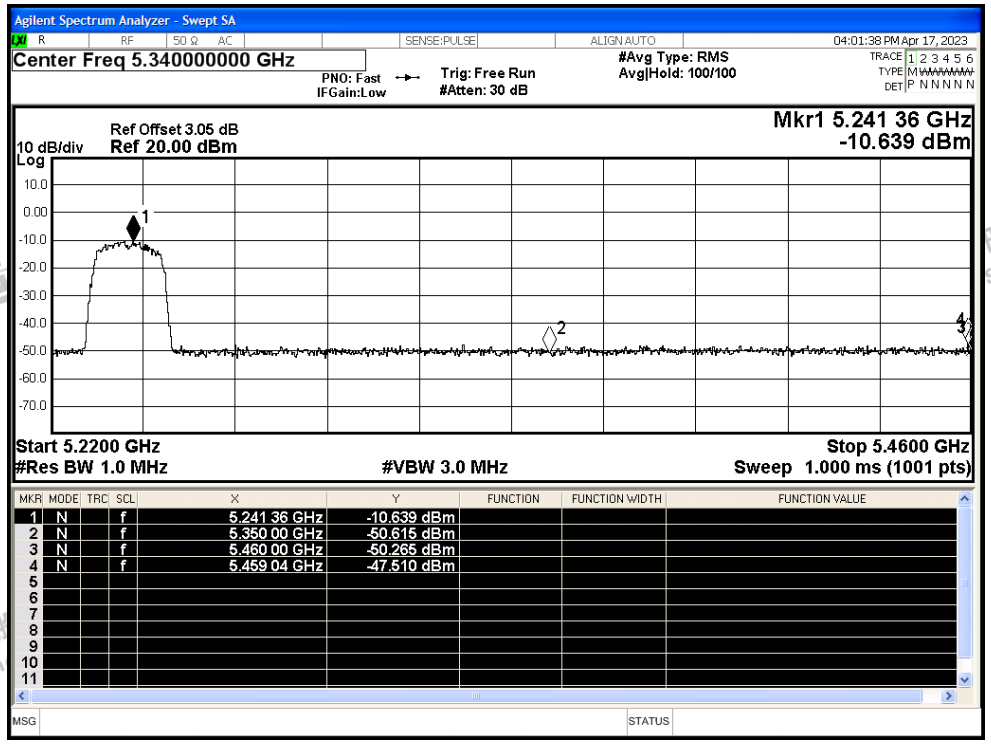
Restrict Band NVNT n20 5180MHz Ant1 Peak



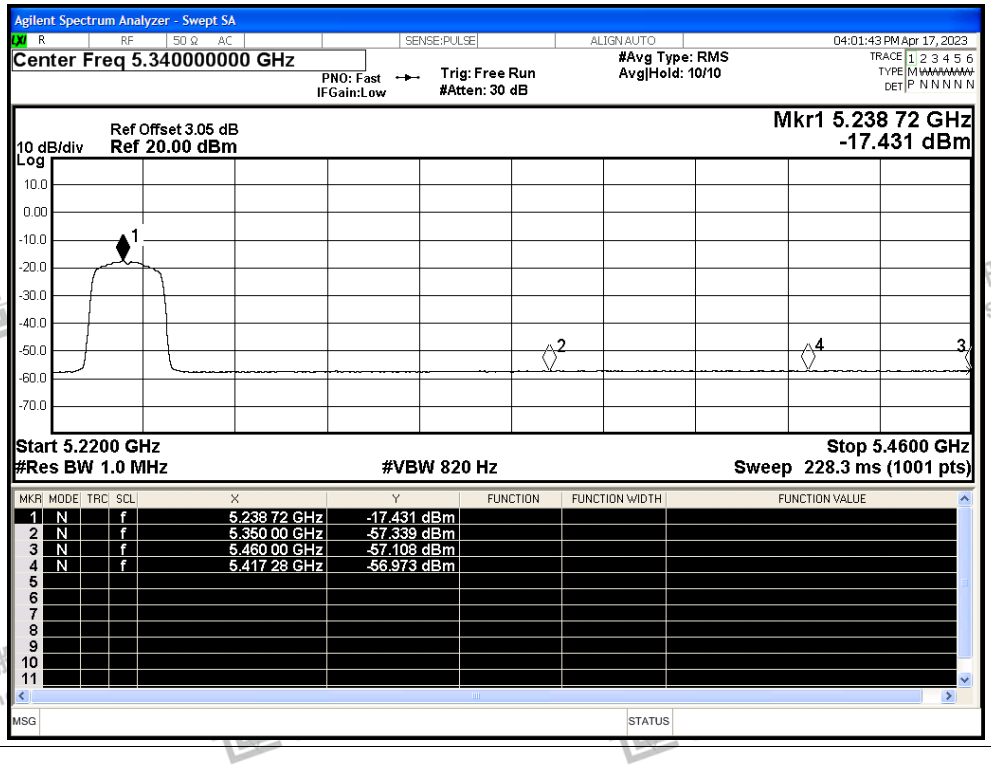
Restrict Band NVNT n20 5180MHz Ant1 Average



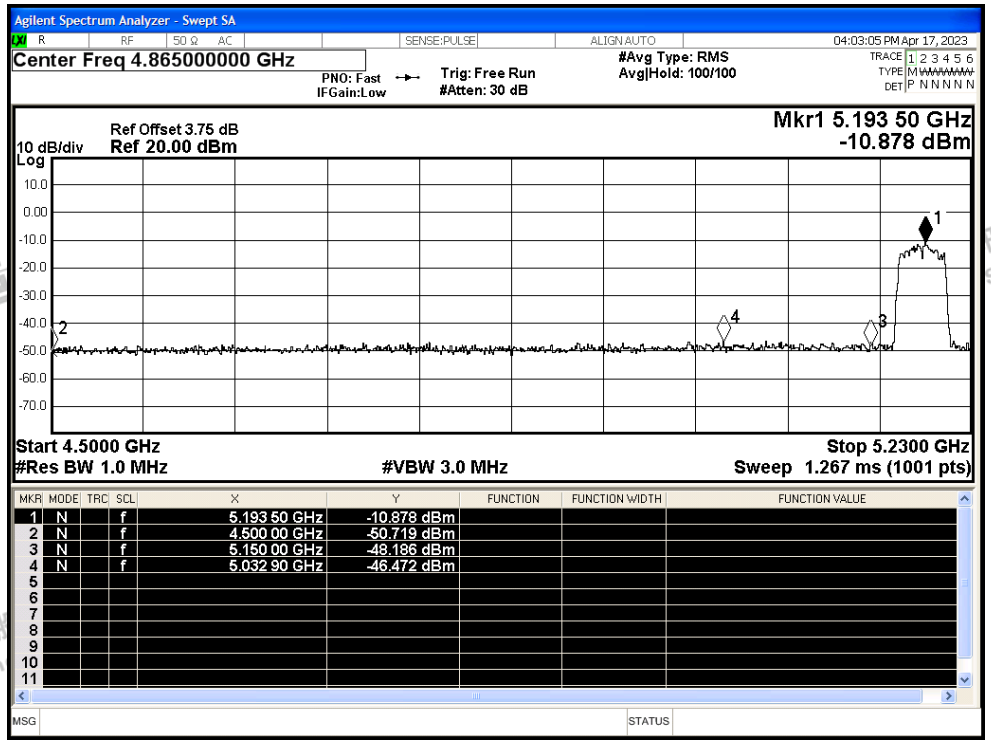
Restrict Band NVNT n20 5240MHz Ant1 Peak



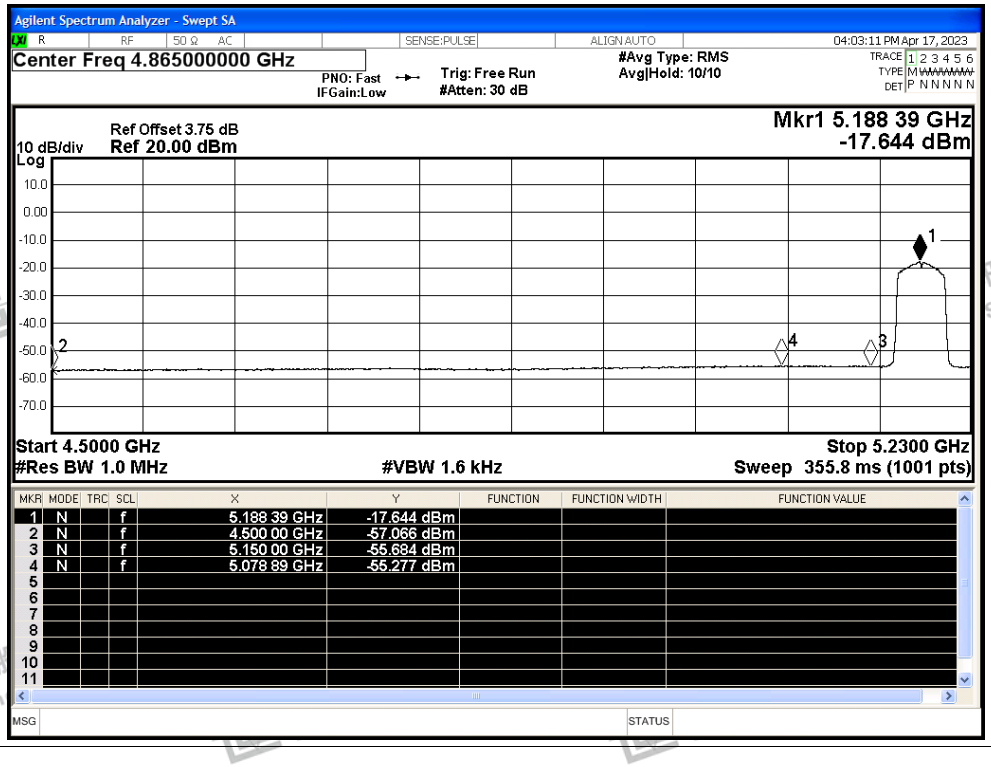
Restrict Band NVNT n20 5240MHz Ant1 Average



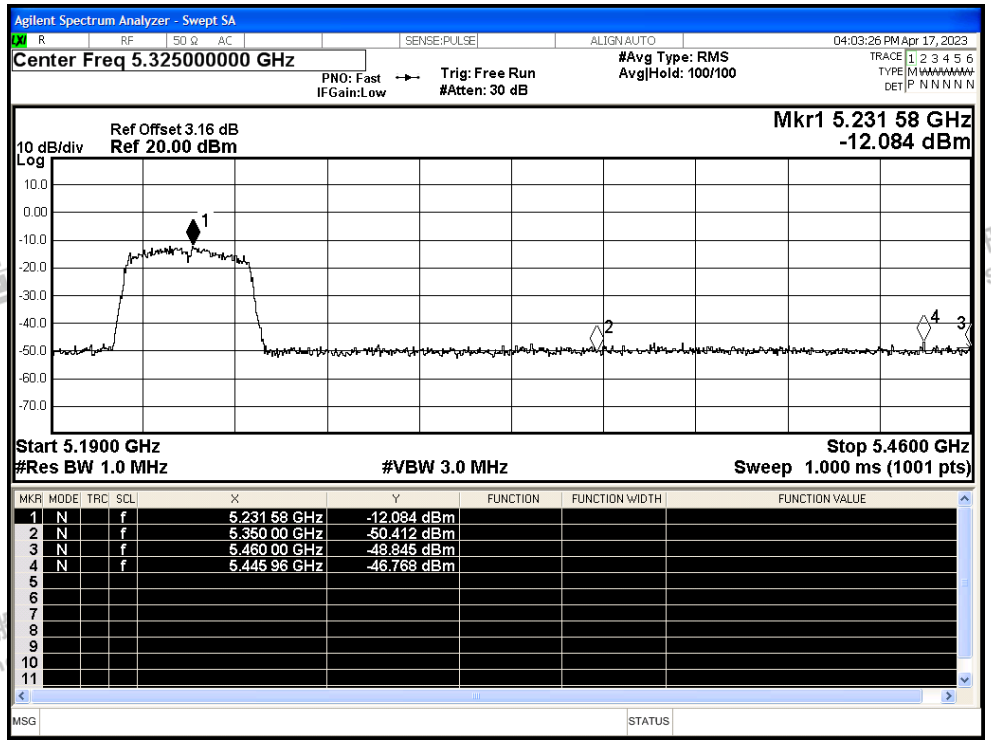
Restrict Band NVNT n40 5190MHz Ant1 Peak



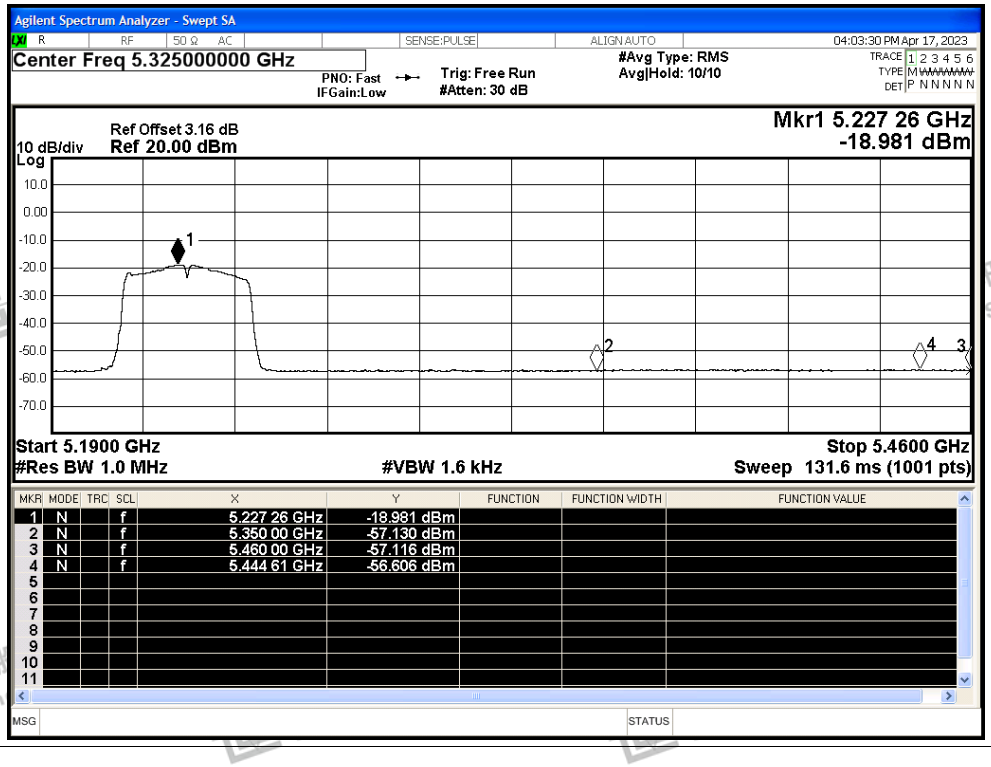
Restrict Band NVNT n40 5190MHz Ant1 Average



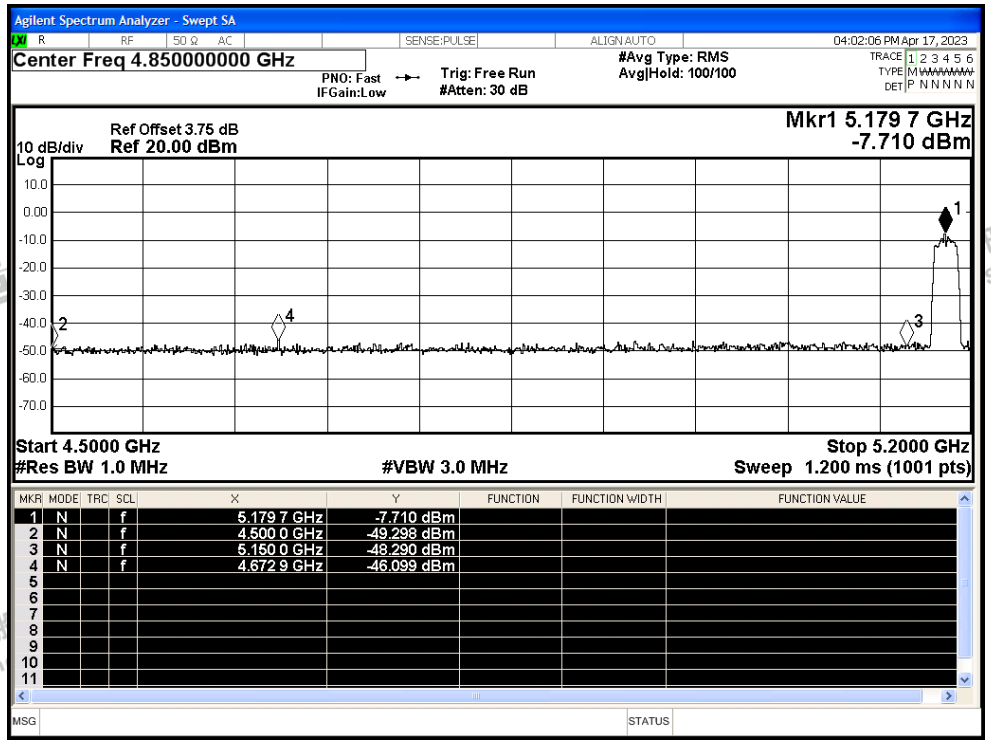
Restrict Band NVNT n40 5230MHz Ant1 Peak



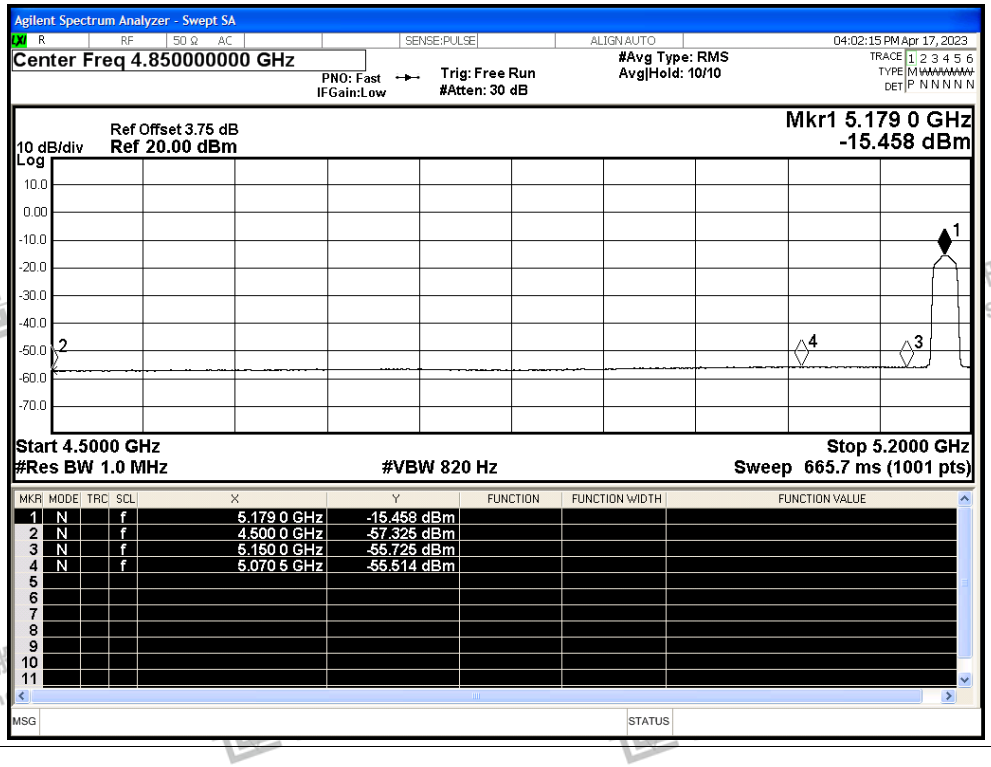
Restrict Band NVNT n40 5230MHz Ant1 Average



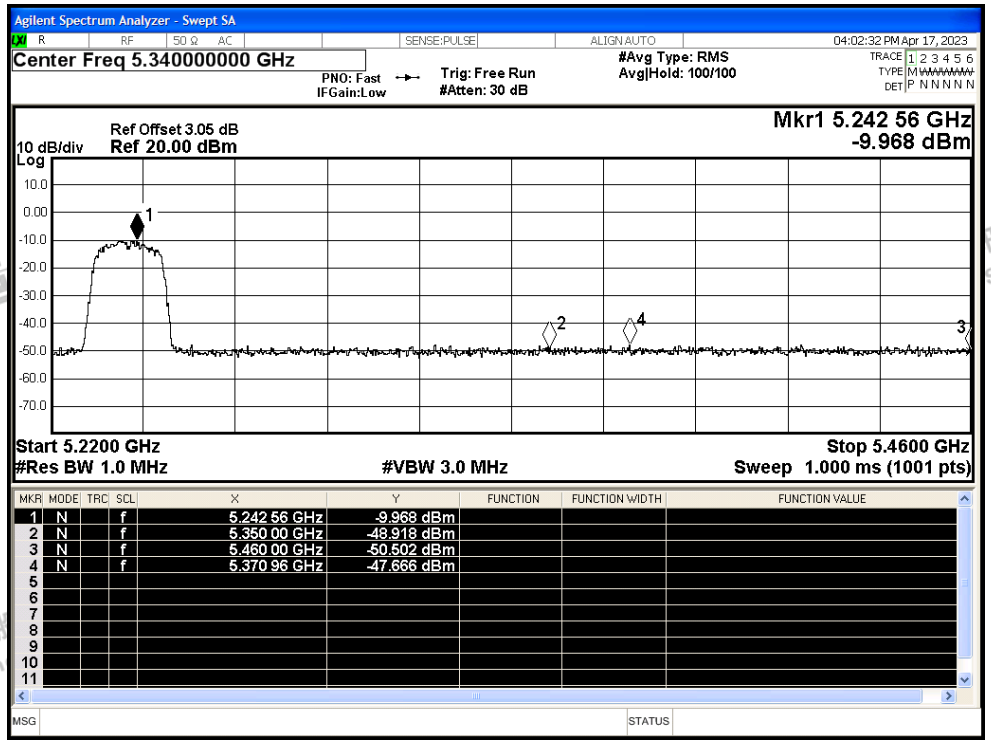
Restrict Band NVNT ac20 5180MHz Ant1 Peak



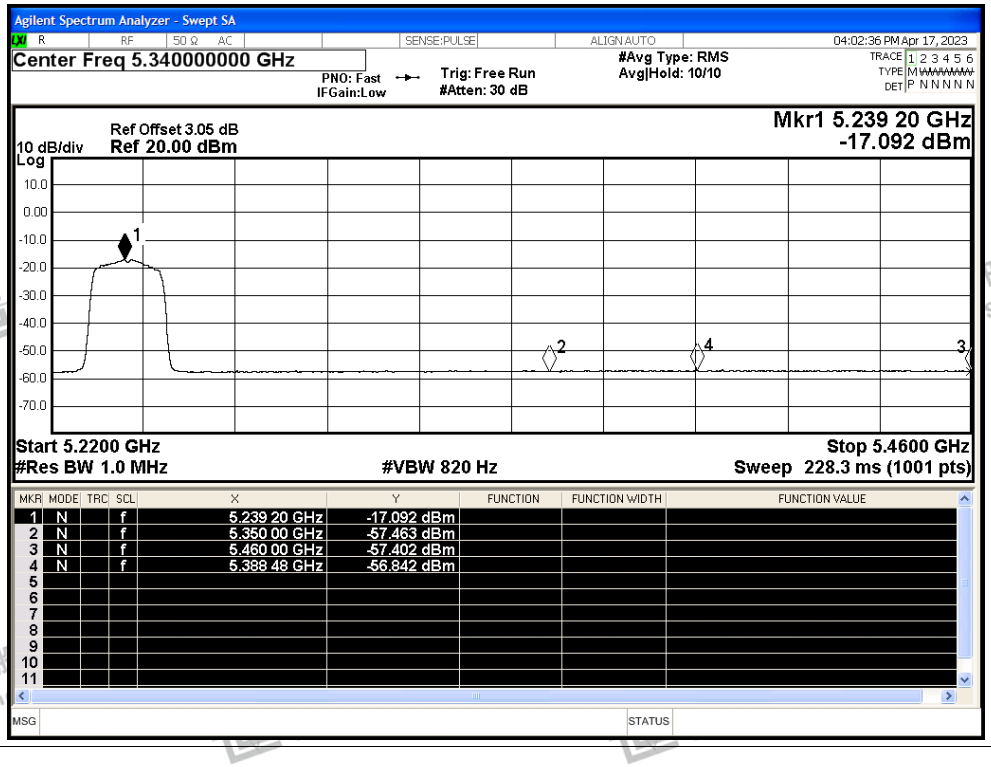
Restrict Band NVNT ac20 5180MHz Ant1 Average



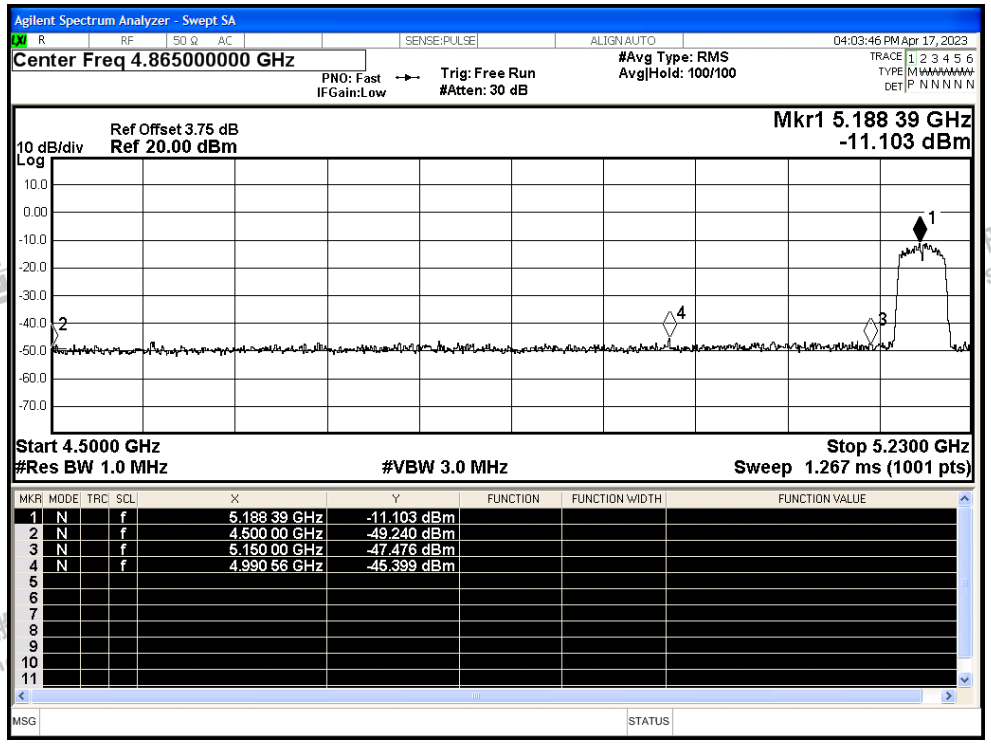
Restrict Band NVNT ac20 5240MHz Ant1 Peak



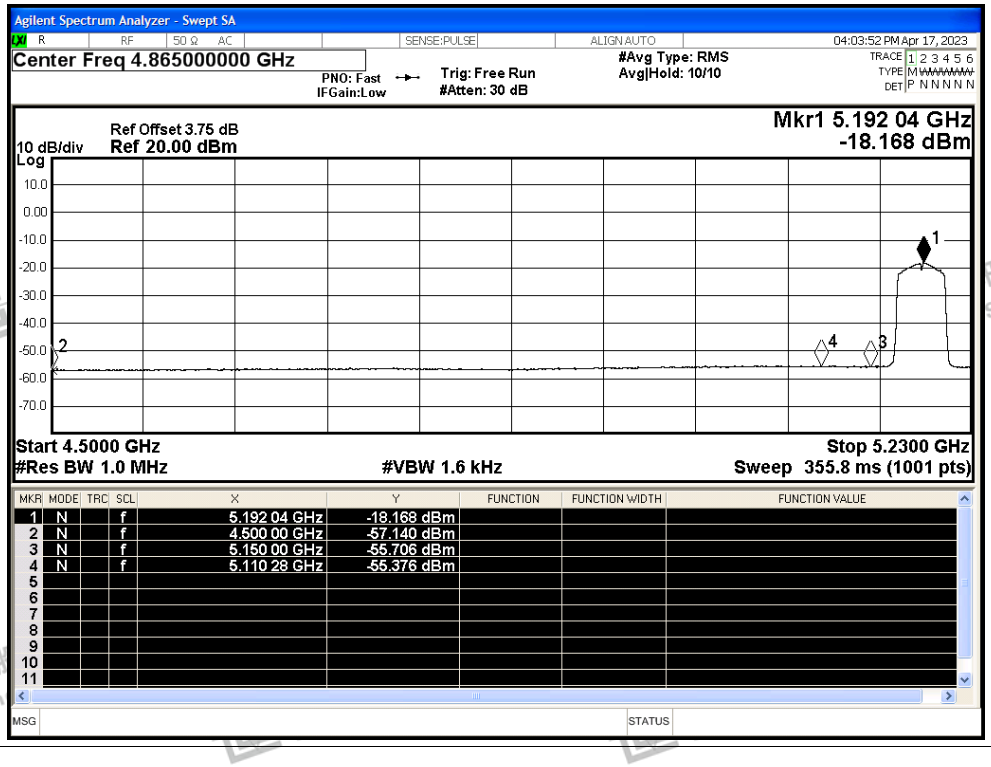
Restrict Band NVNT ac20 5240MHz Ant1 Average



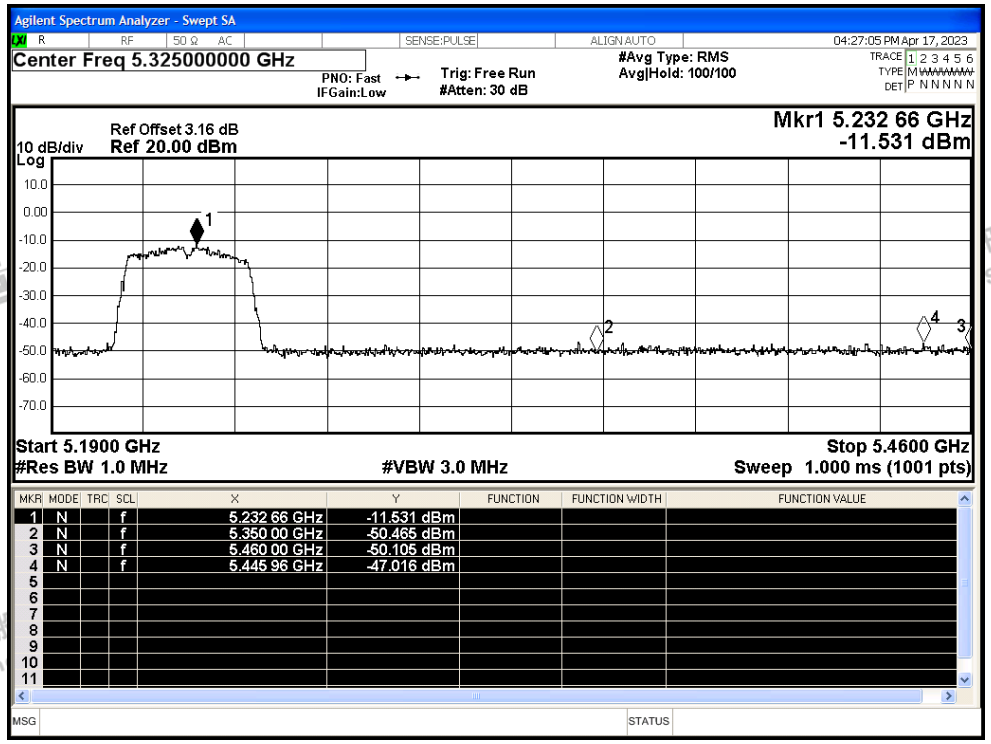
Restrict Band NVNT ac40 5190MHz Ant1 Peak



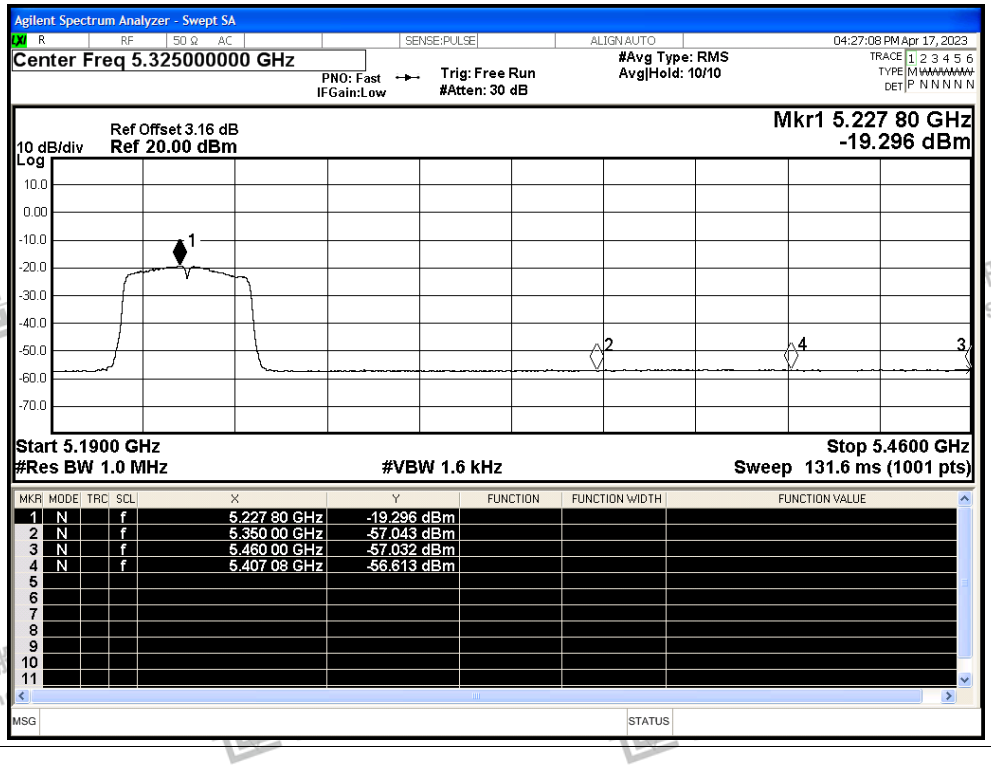
Restrict Band NVNT ac40 5190MHz Ant1 Average



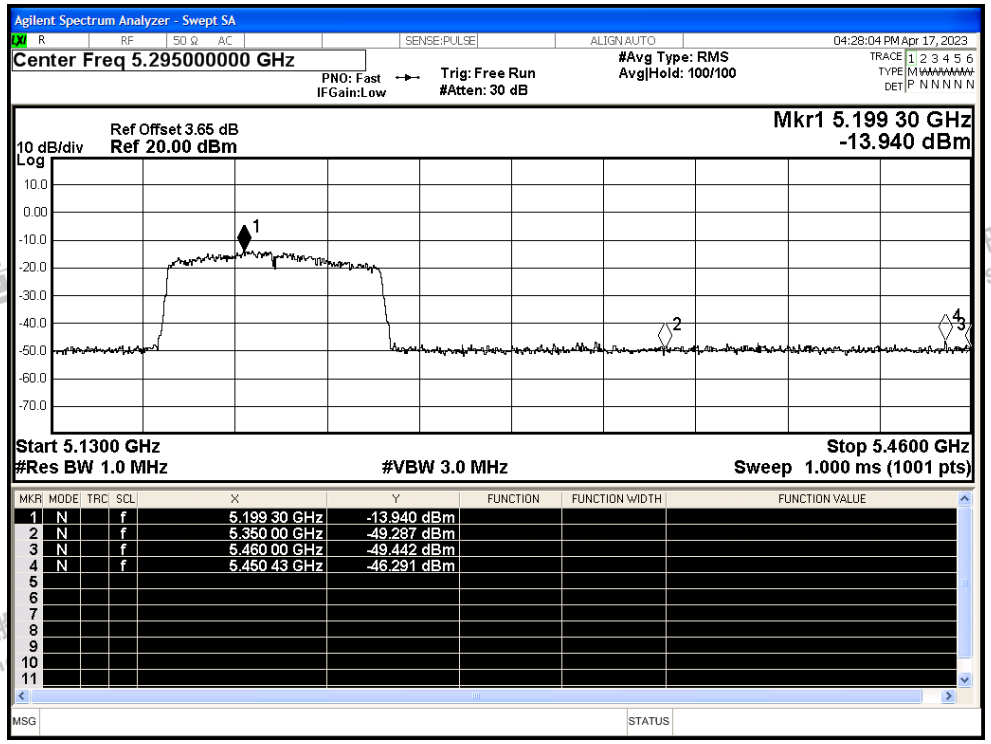
Restrict Band NVNT ac40 5230MHz Ant1 Peak



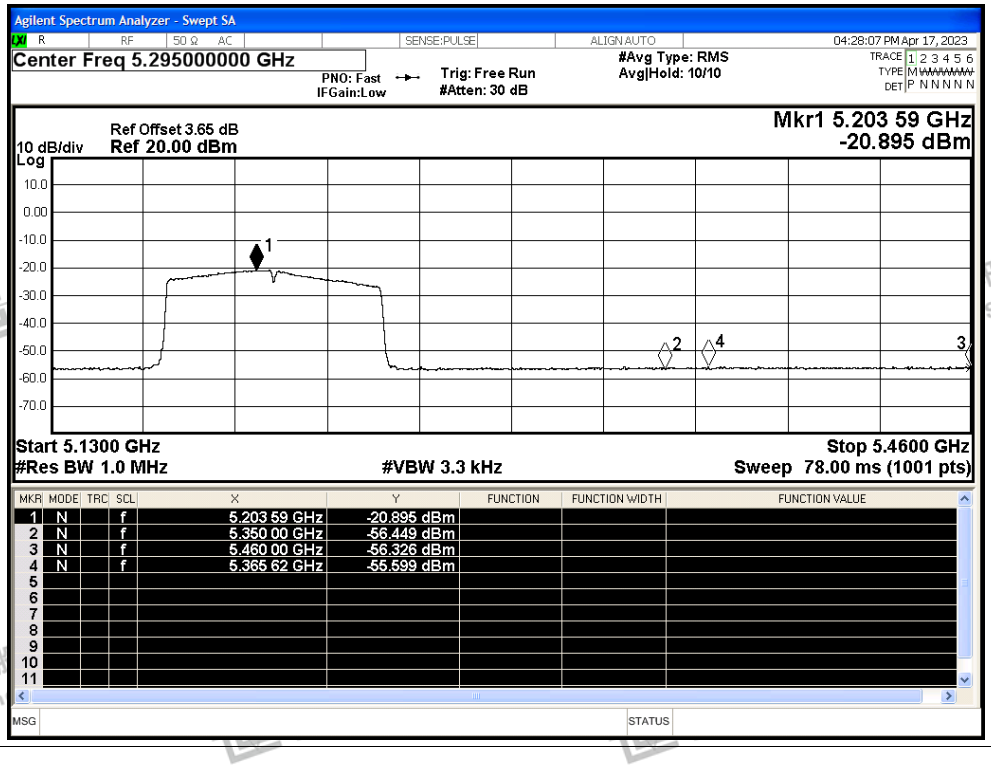
Restrict Band NVNT ac40 5230MHz Ant1 Average



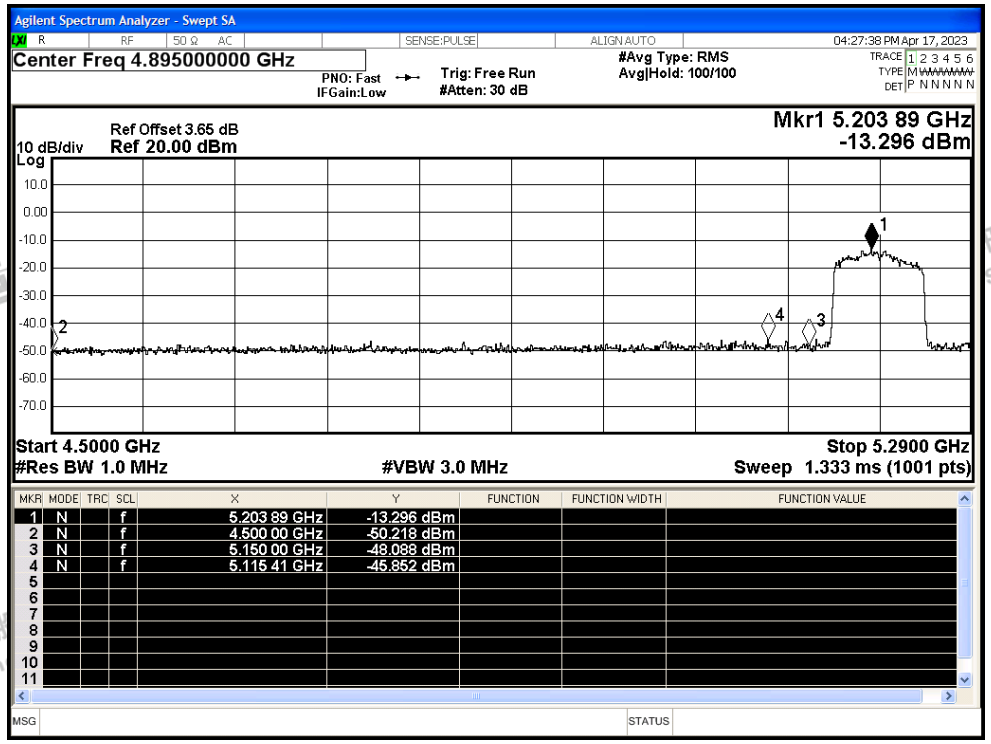
Restrict Band NVNT ac80 5210MHz Ant1 Peak



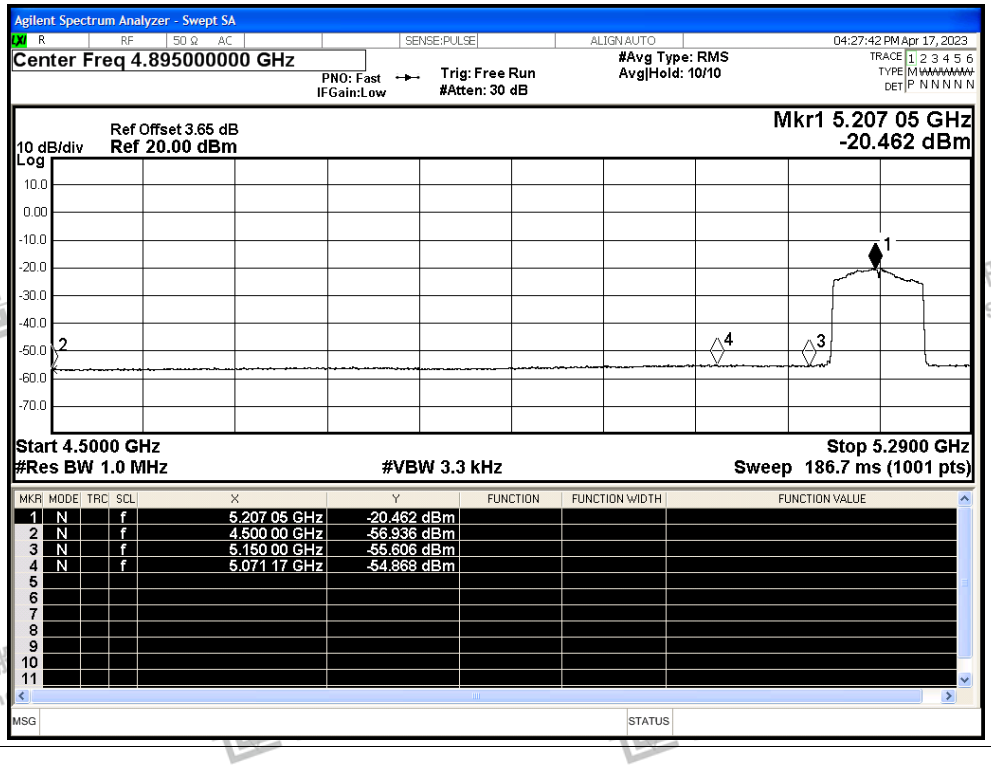
Restrict Band NVNT ac80 5210MHz Ant1 Average



Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average

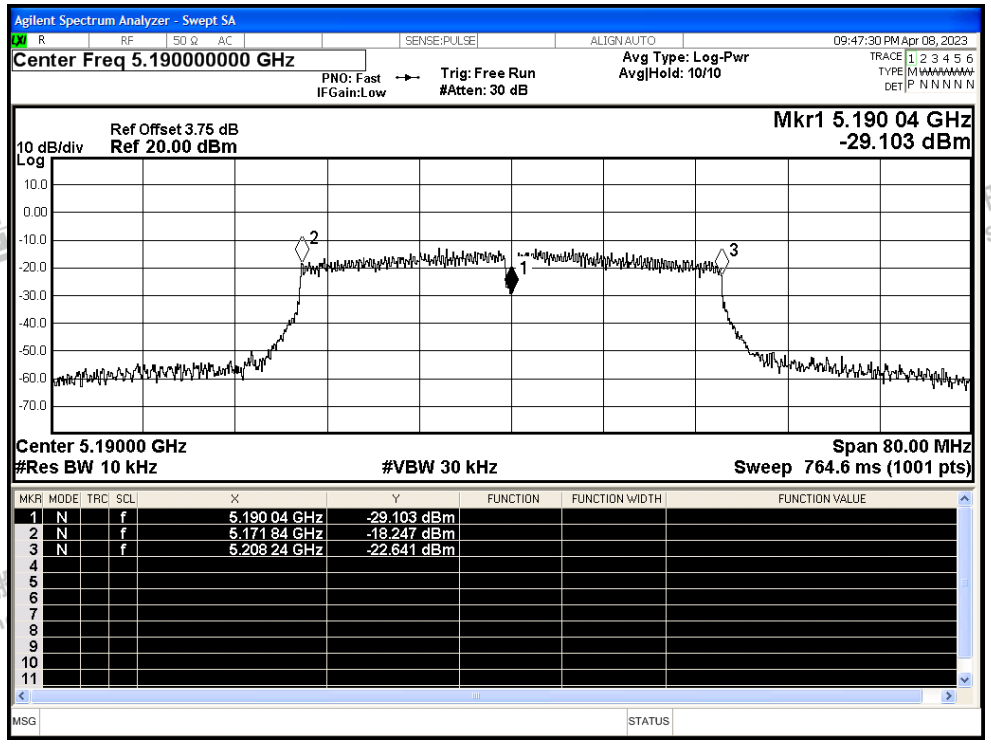


D.5 Frequency Stability

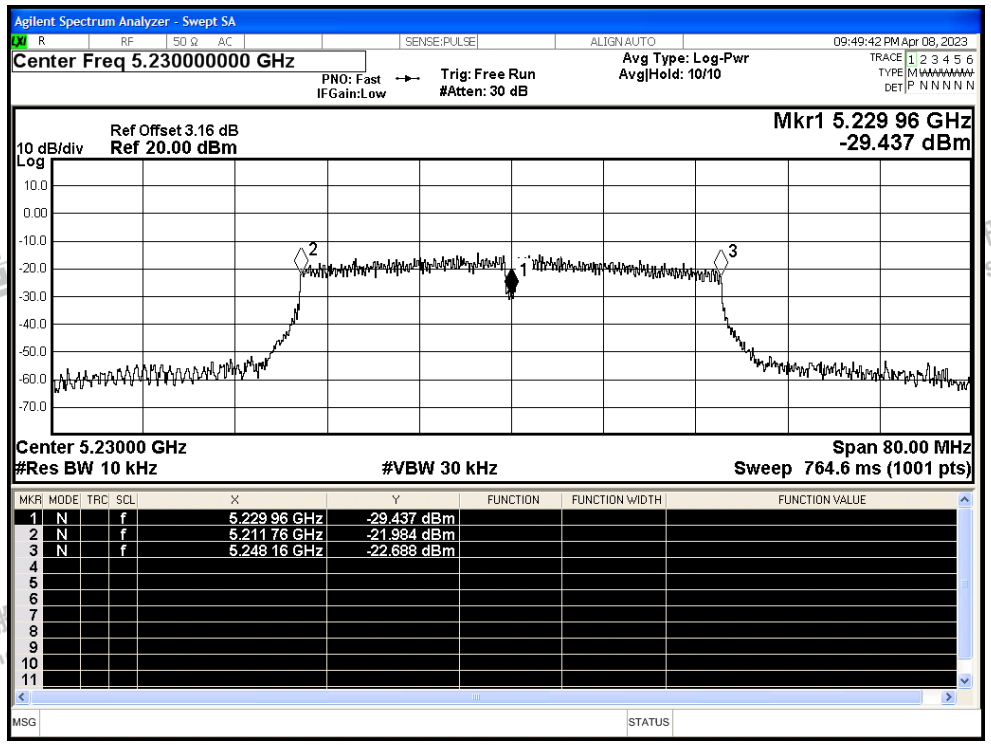
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	n40	5190	Ant0	5190.04	40000	7.71	25	Pass
NVNT	n40	5230	Ant0	5229.96	-40000	-7.65	25	Pass
NVNT	ac20	5180	Ant0	5179.98	-20000	-3.86	25	Pass
NVNT	ac20	5200	Ant0	5199.98	-20000	-3.85	25	Pass
NVNT	ac20	5240	Ant0	5239.98	-20000	-3.82	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	5210	0	0	25	Pass

Test Graphs

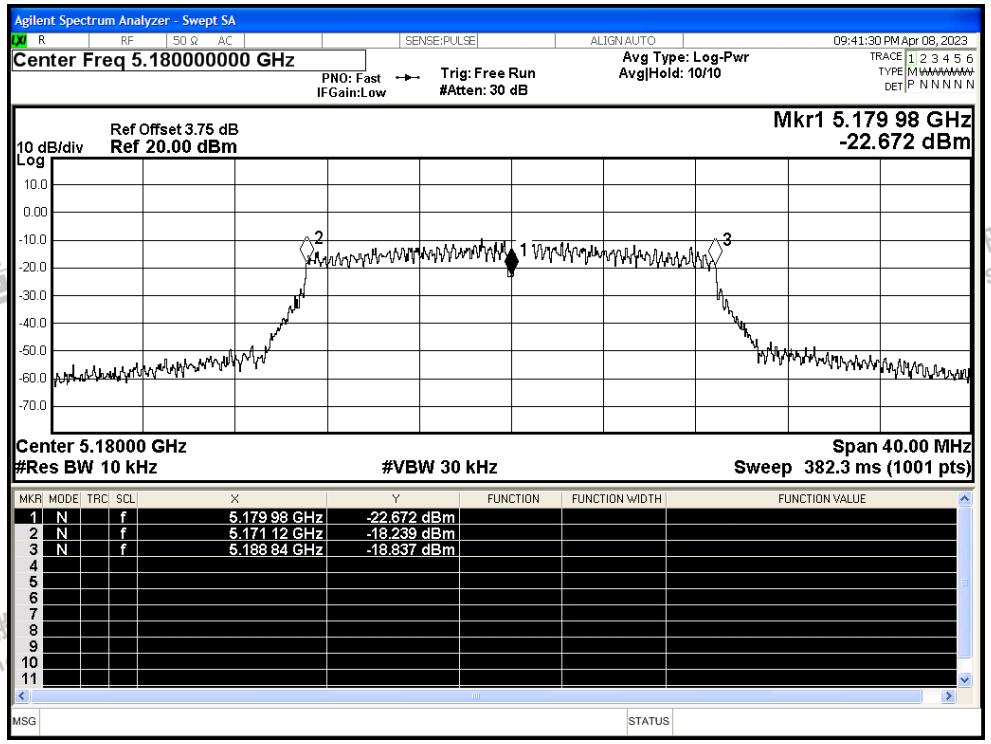
Freq. Stability NVNT n40 5190MHz Ant0



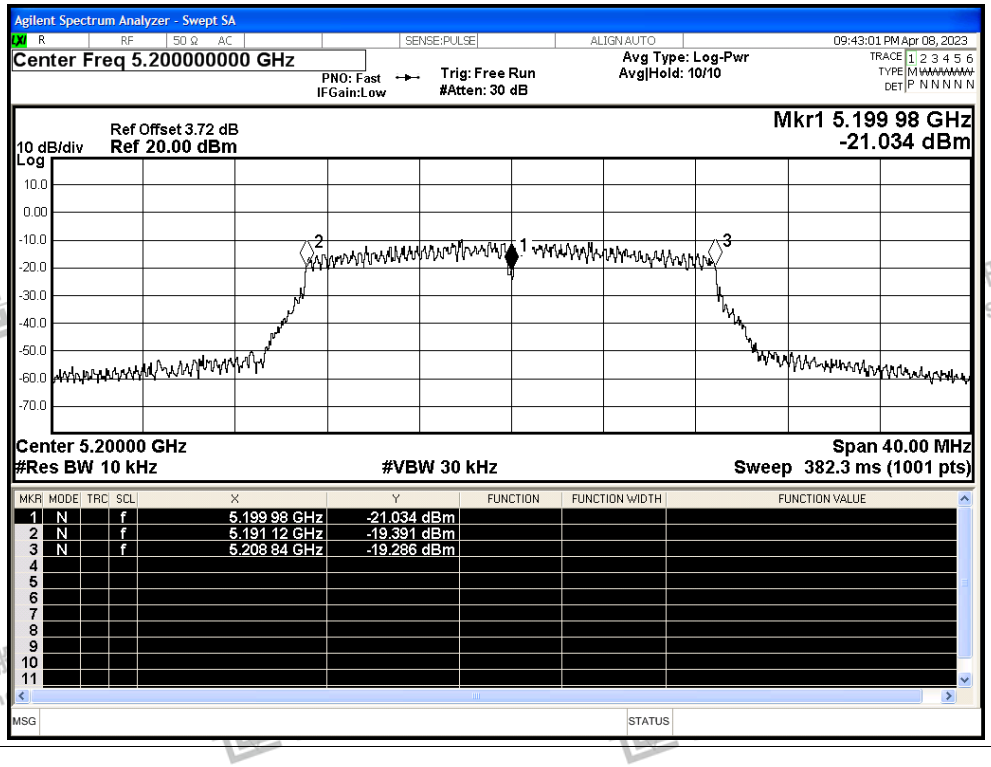
Freq. Stability NVNT n40 5230MHz Ant0



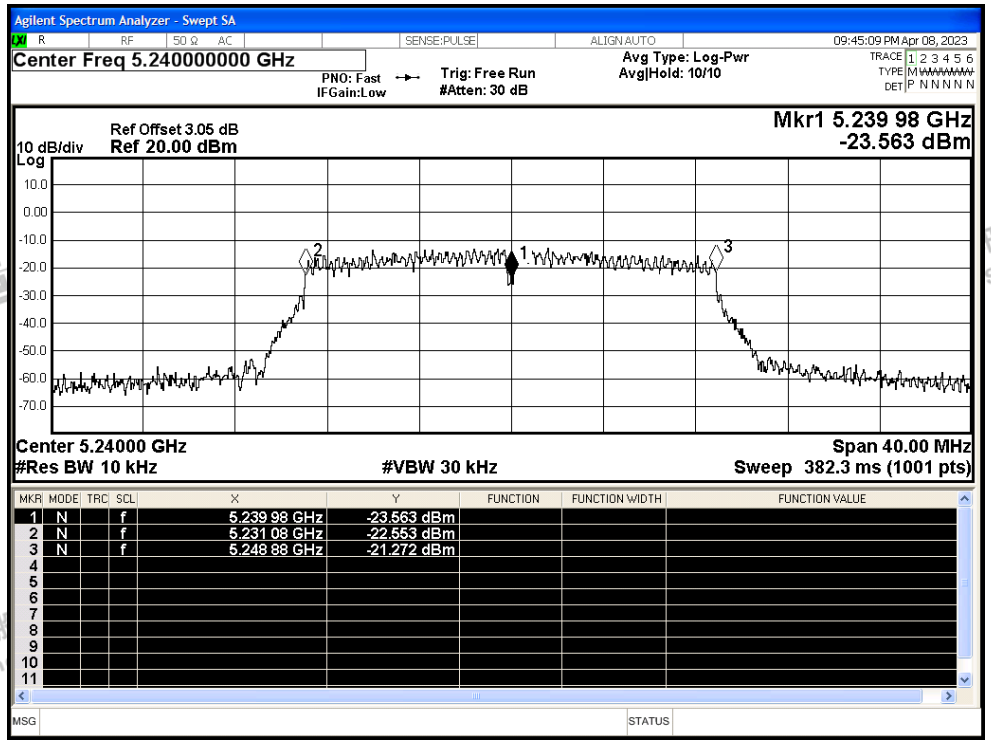
Freq. Stability NVNT ac20 5180MHz Ant0



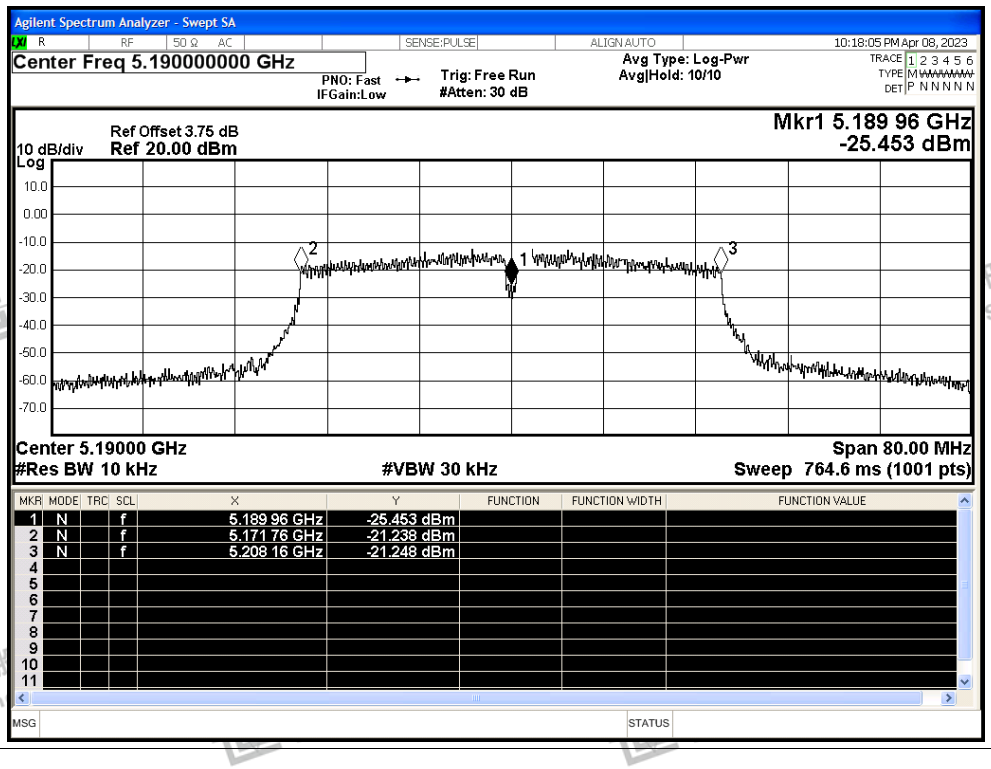
Freq. Stability NVNT ac20 5200MHz Ant0



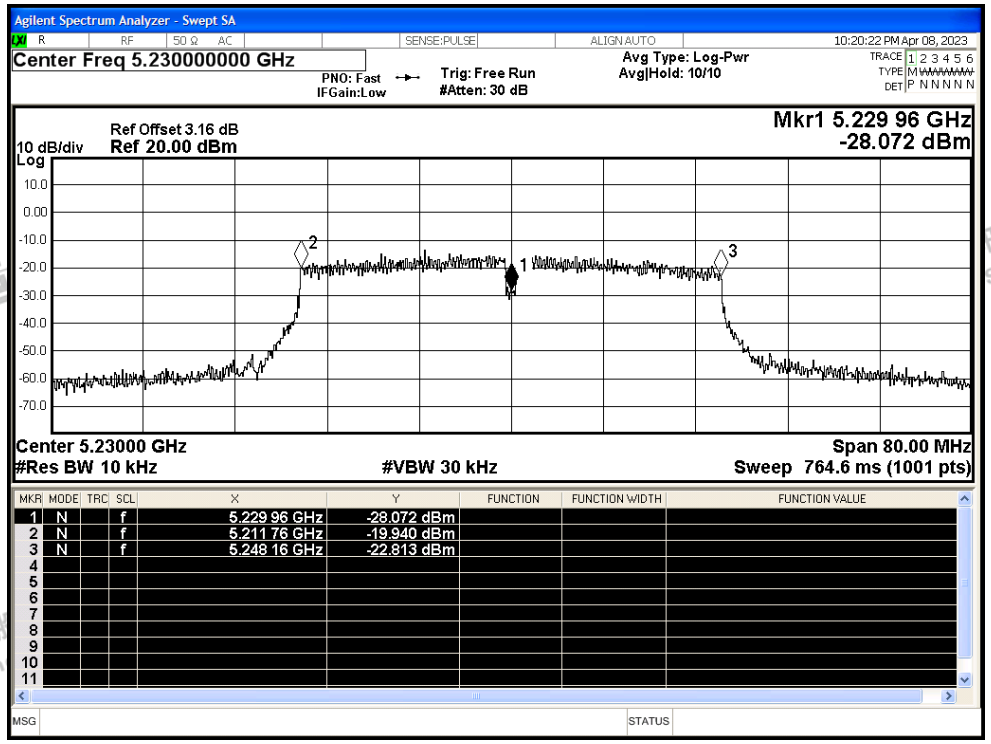
Freq. Stability NVNT ac20 5240MHz Ant0



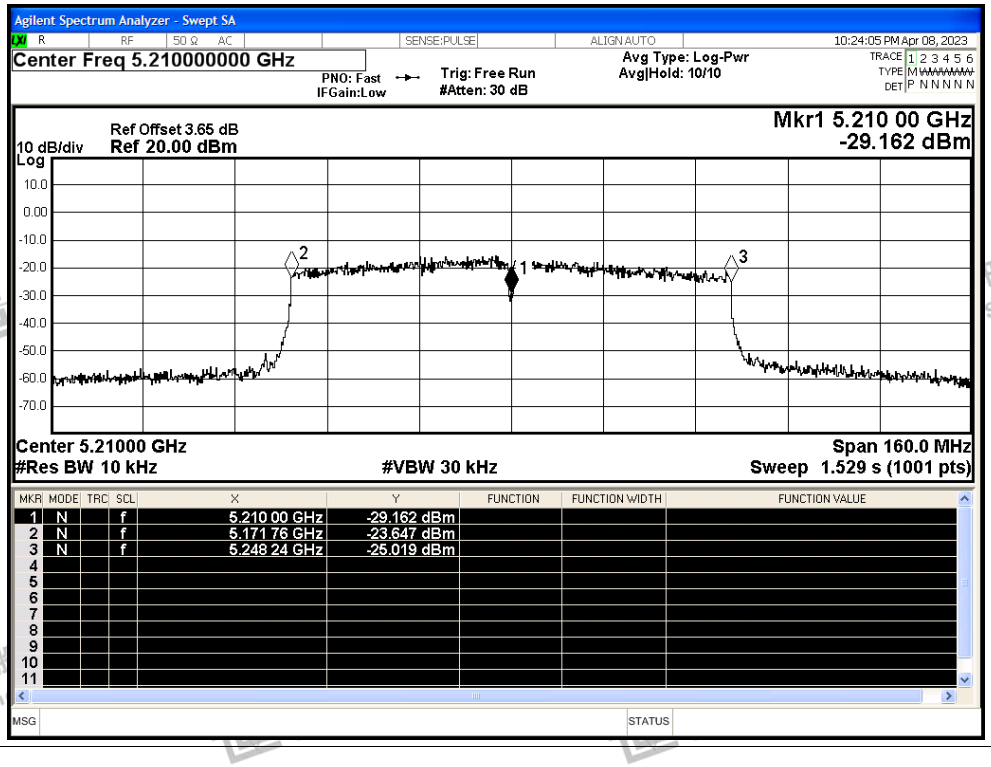
Freq. Stability NVNT ac40 5190MHz Ant0



Freq. Stability NVNT ac40 5230MHz Ant0



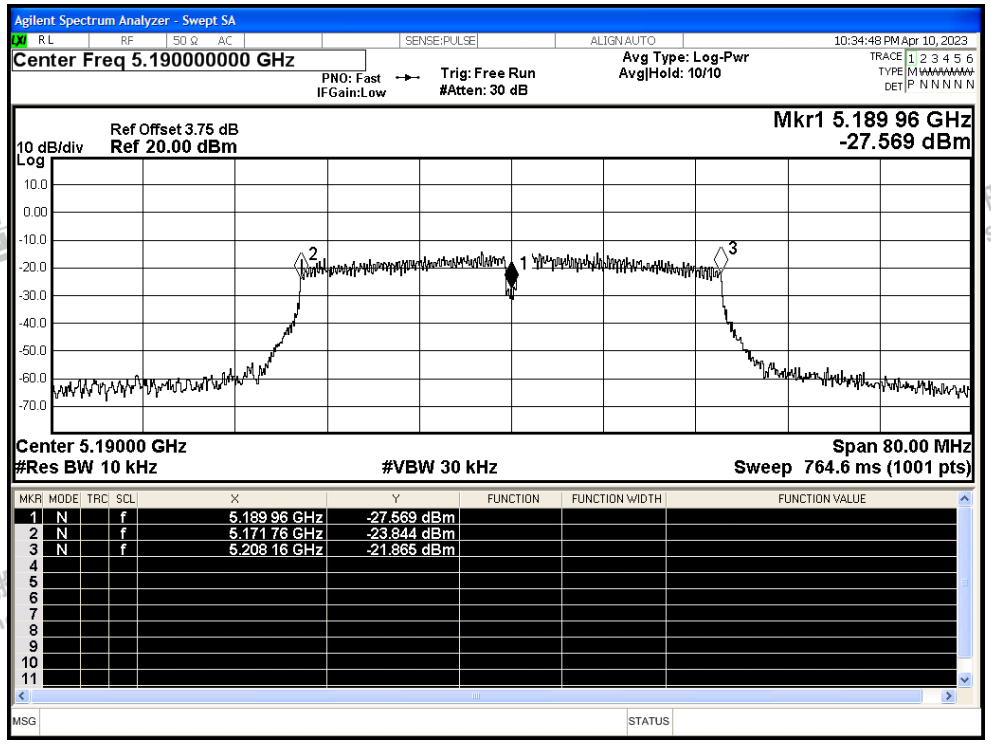
Freq. Stability NVNT ac80 5210MHz Ant0



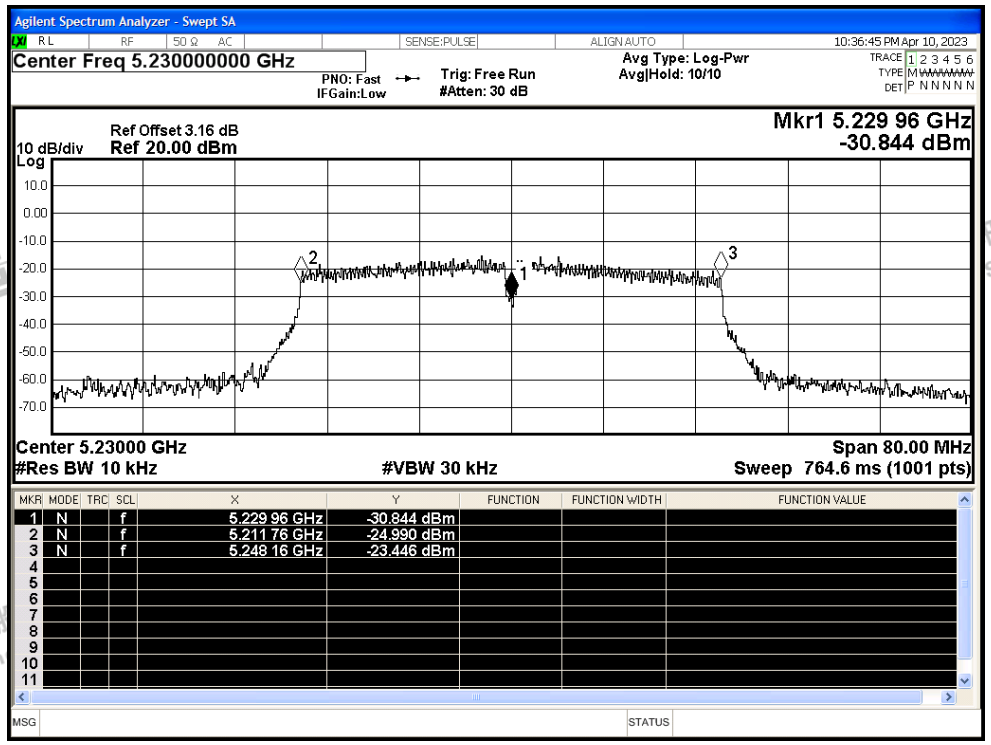
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	n40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant1	5229.96	-40000	-7.65	25	Pass
NVNT	ac20	5180	Ant1	5180.02	20000	3.86	25	Pass
NVNT	ac20	5200	Ant1	5200	0	0	25	Pass
NVNT	ac20	5240	Ant1	5240	0	0	25	Pass
NVNT	ac40	5190	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	ac40	5230	Ant1	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5210	0	0	25	Pass

Test Graphs

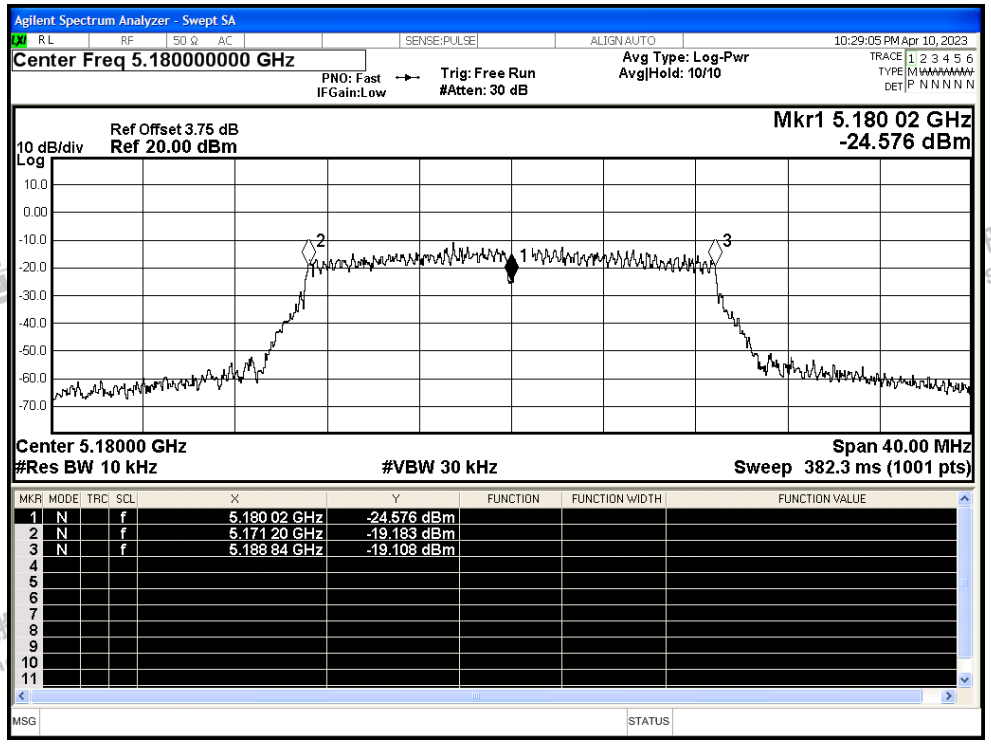
Freq. Stability NVNT n40 5190MHz Ant1



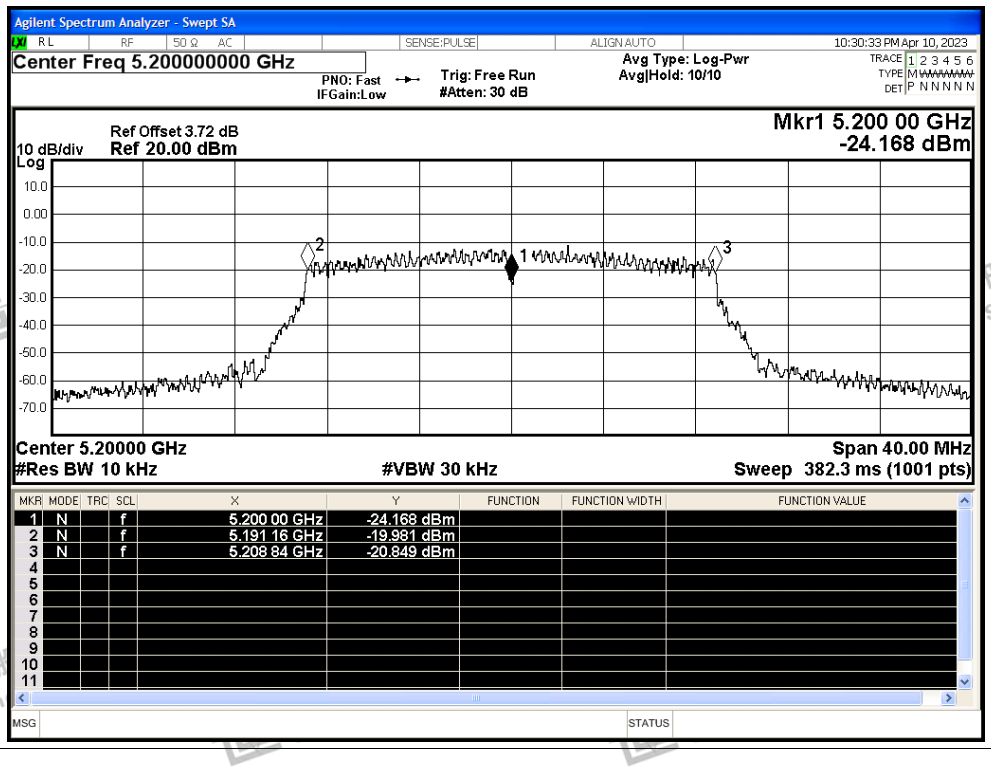
Freq. Stability NVNT n40 5230MHz Ant1



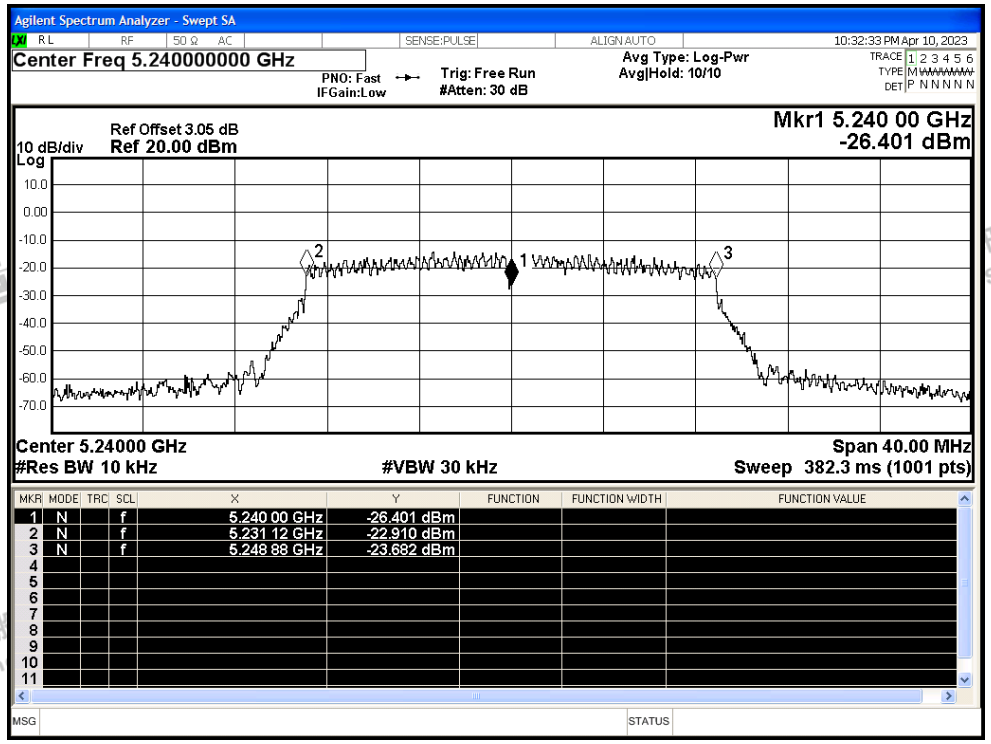
Freq. Stability NVNT ac20 5180MHz Ant1



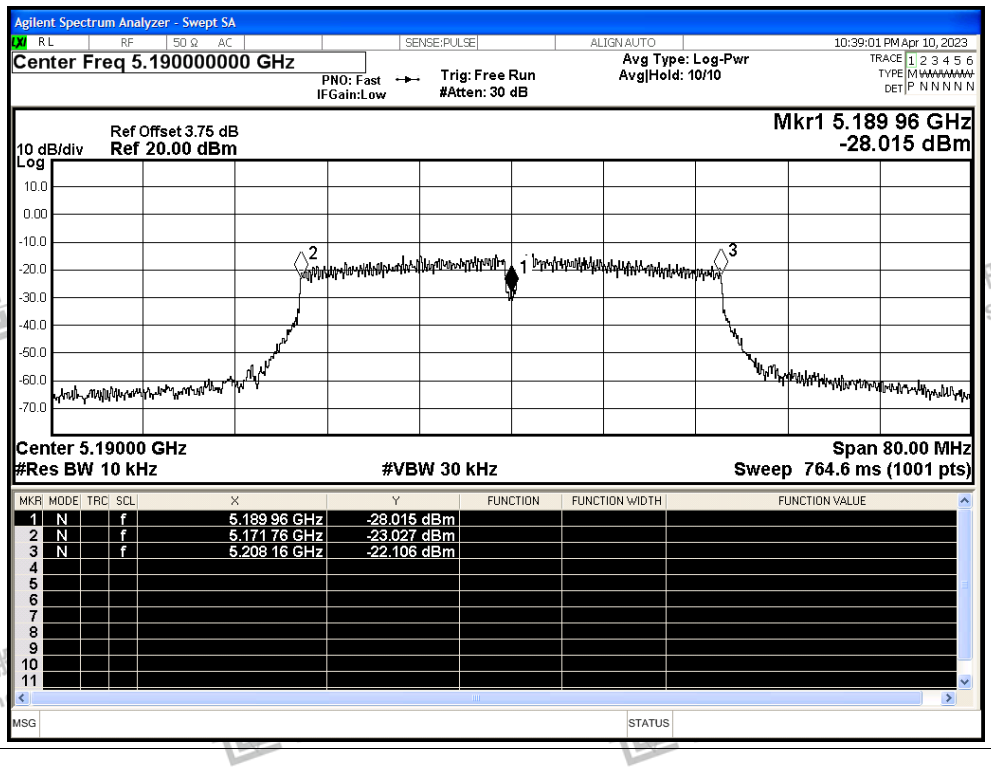
Freq. Stability NVNT ac20 5200MHz Ant1



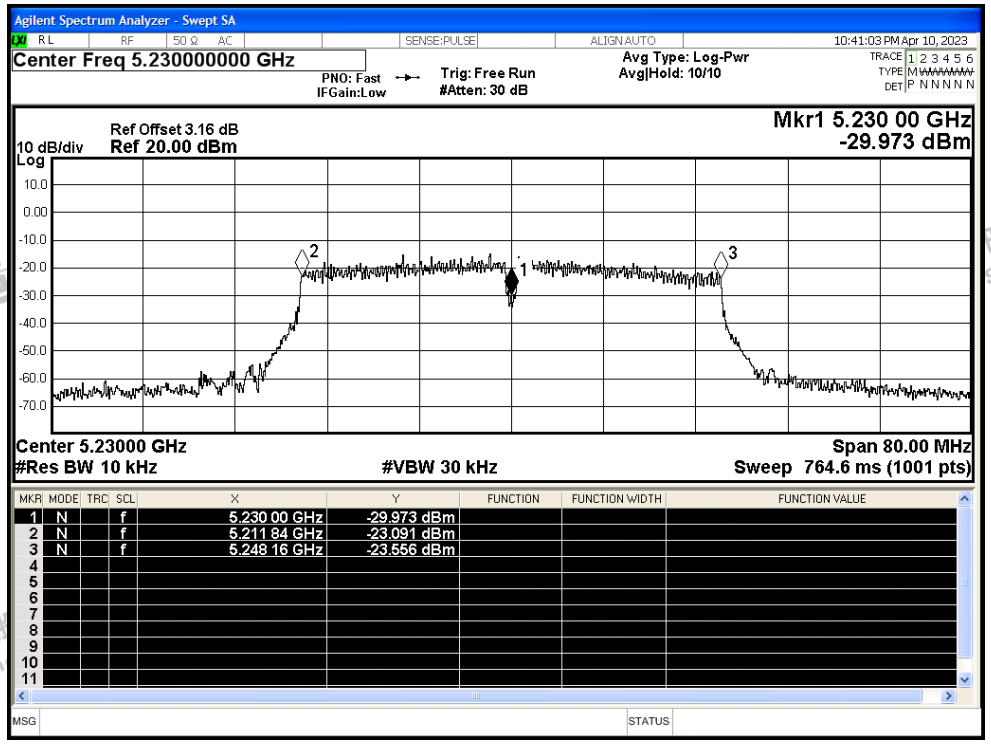
Freq. Stability NVNT ac20 5240MHz Ant1



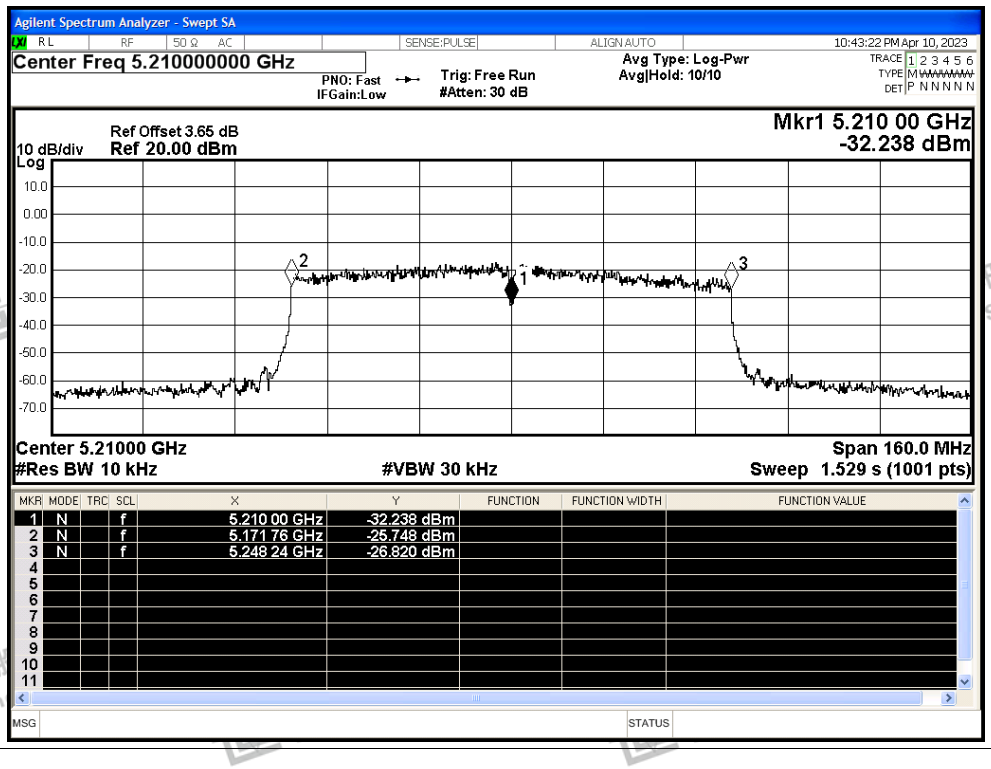
Freq. Stability NVNT ac40 5190MHz Ant1



Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ac80 5210MHz Ant1

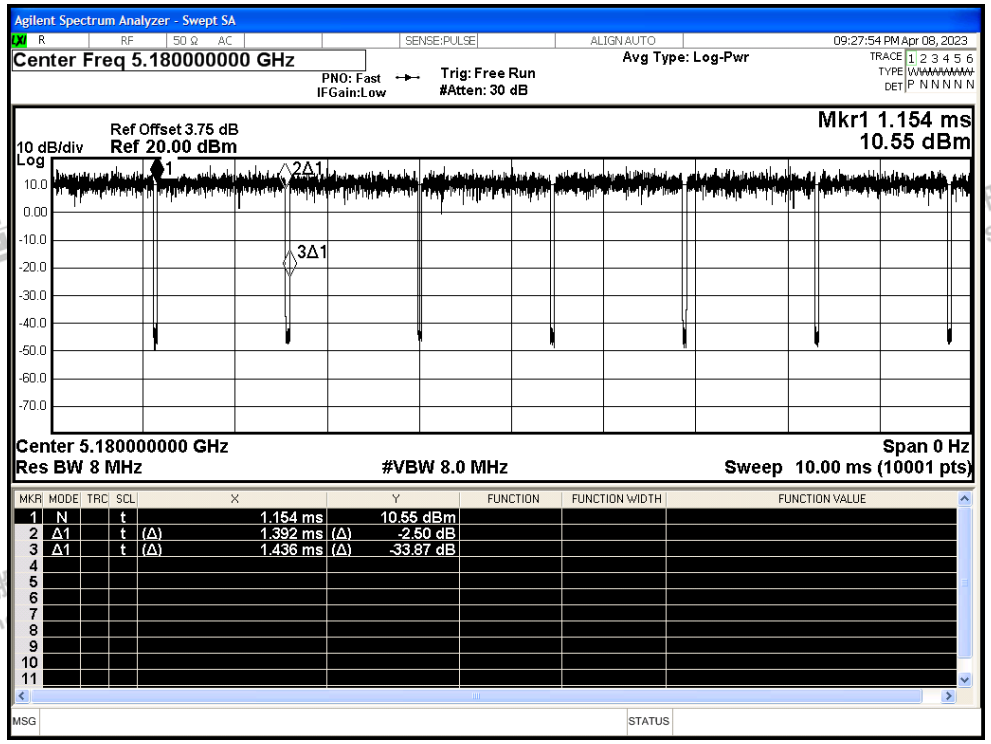


D.6 Duty Cycle

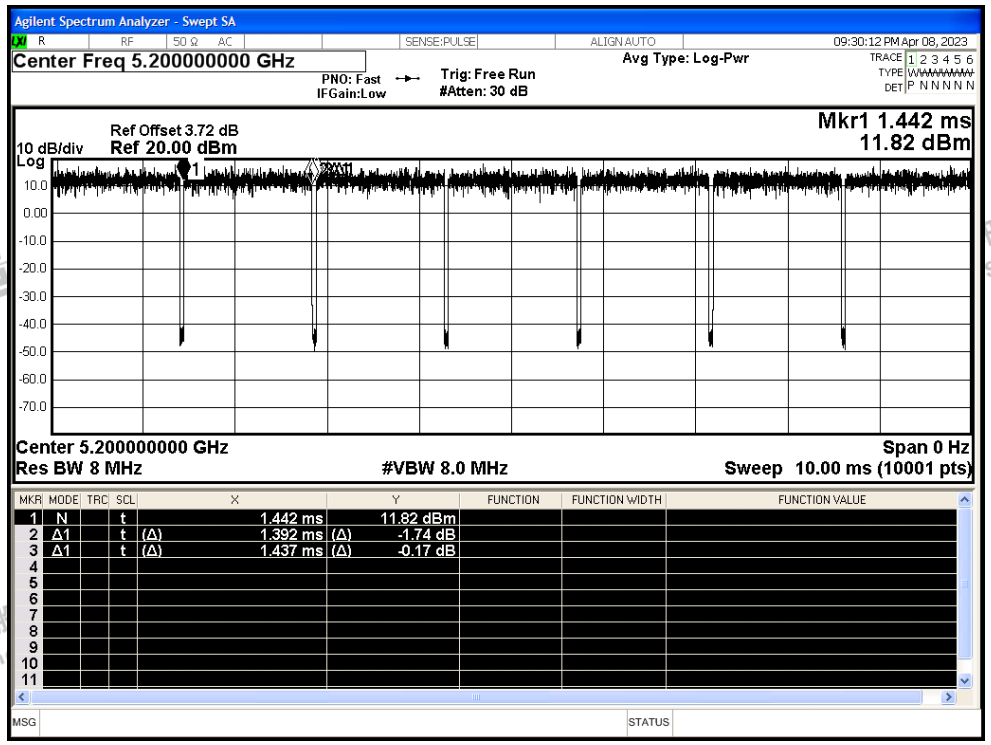
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant0	96.94	0.13	0.72
NVNT	a	5200	Ant0	96.87	0.14	0.72
NVNT	a	5240	Ant0	96.94	0.13	0.72
NVNT	n20	5180	Ant0	96.65	0.15	0.77
NVNT	n20	5200	Ant0	96.73	0.14	0.77
NVNT	n20	5240	Ant0	96.73	0.14	0.77
NVNT	n40	5190	Ant0	93.64	0.29	1.54
NVNT	n40	5230	Ant0	93.64	0.29	1.54
NVNT	ac20	5180	Ant0	96.78	0.14	0.76
NVNT	ac20	5200	Ant0	96.76	0.14	0.76
NVNT	ac20	5240	Ant0	96.68	0.15	0.76
NVNT	ac40	5190	Ant0	93.68	0.28	1.53
NVNT	ac40	5230	Ant0	93.68	0.28	1.53
NVNT	ac80	5210	Ant0	88.08	0.55	3.08

Test Graphs

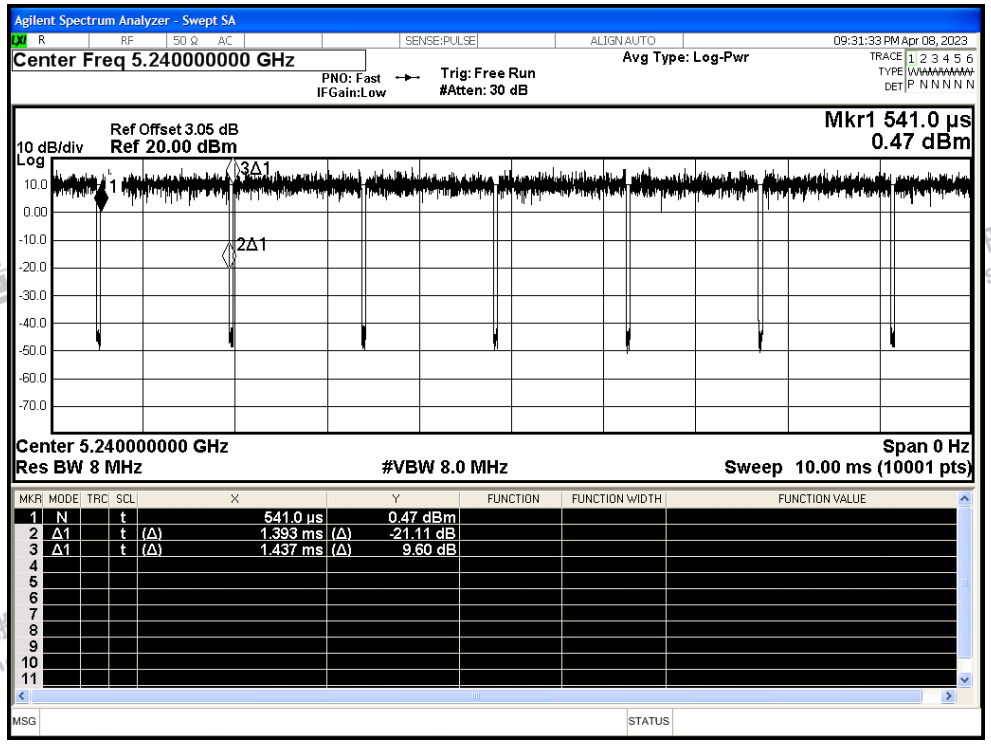
Duty Cycle NVNT a 5180MHz Ant0



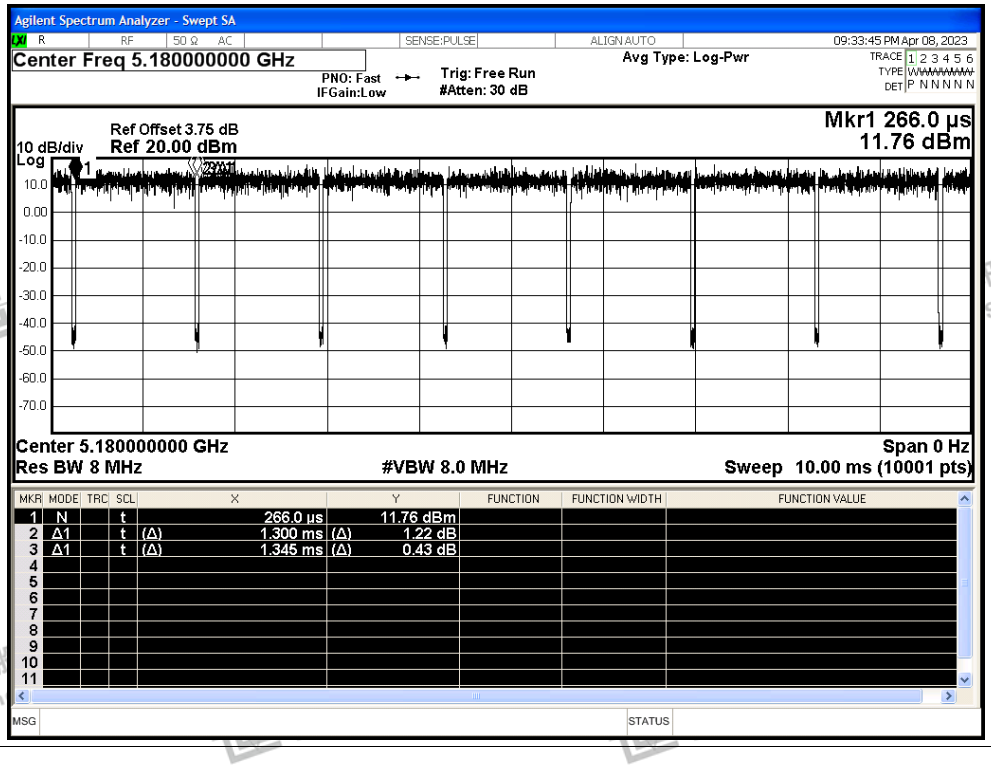
Duty Cycle NVNT a 5200MHz Ant0



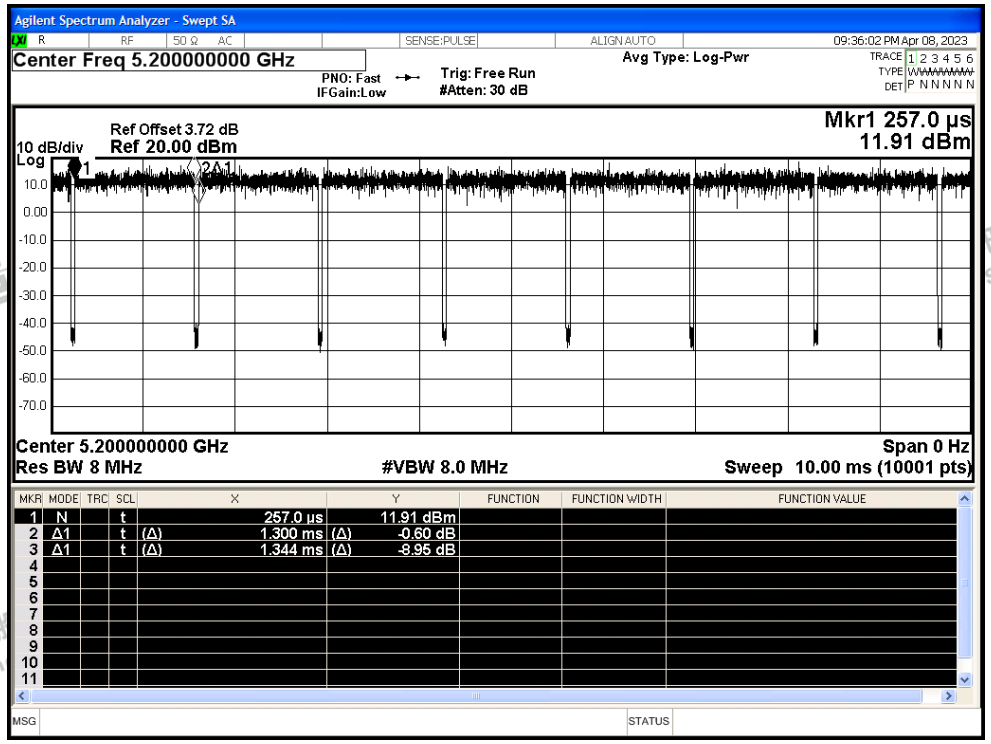
Duty Cycle NVNT a 5240MHz Ant0



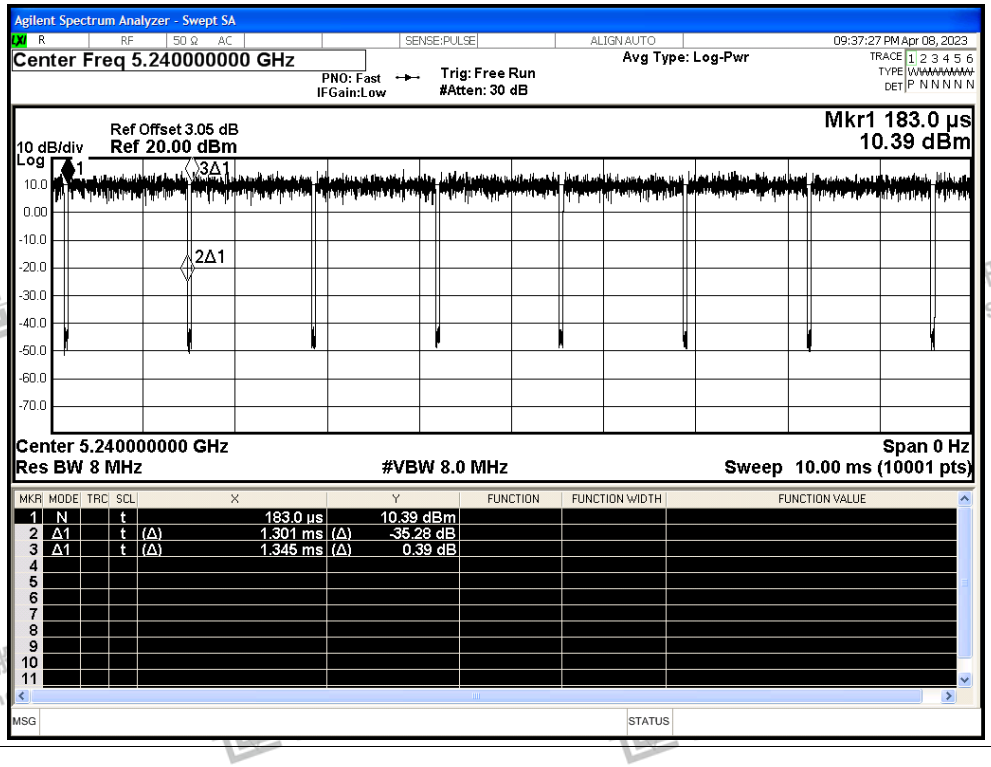
Duty Cycle NVNT n20 5180MHz Ant0



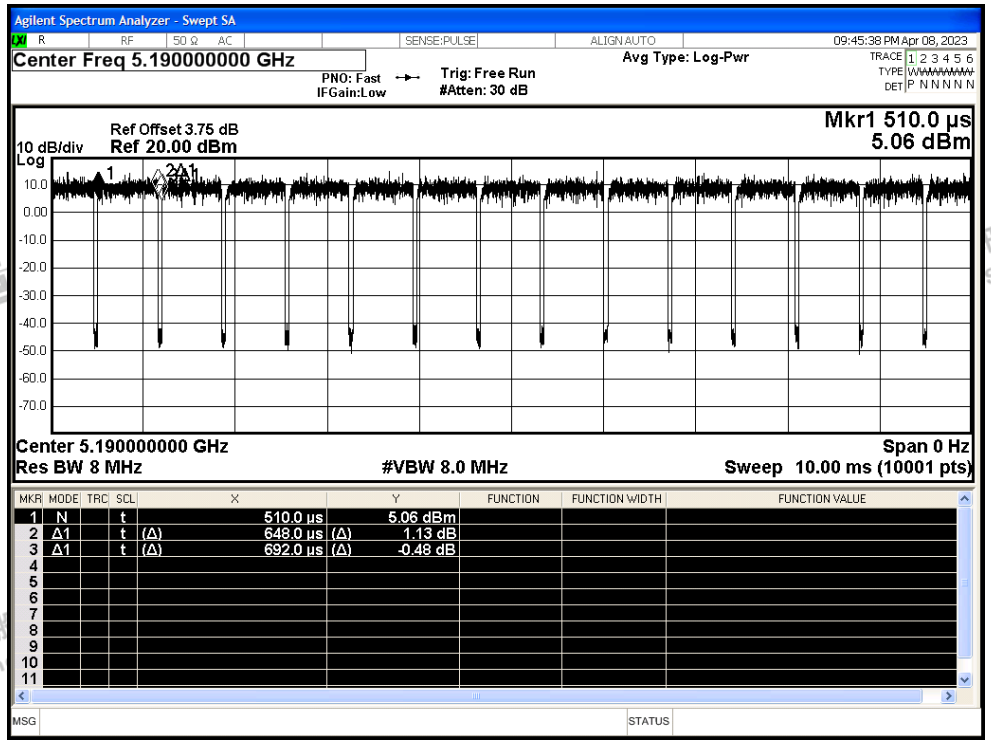
Duty Cycle NVNT n20 5200MHz Ant0



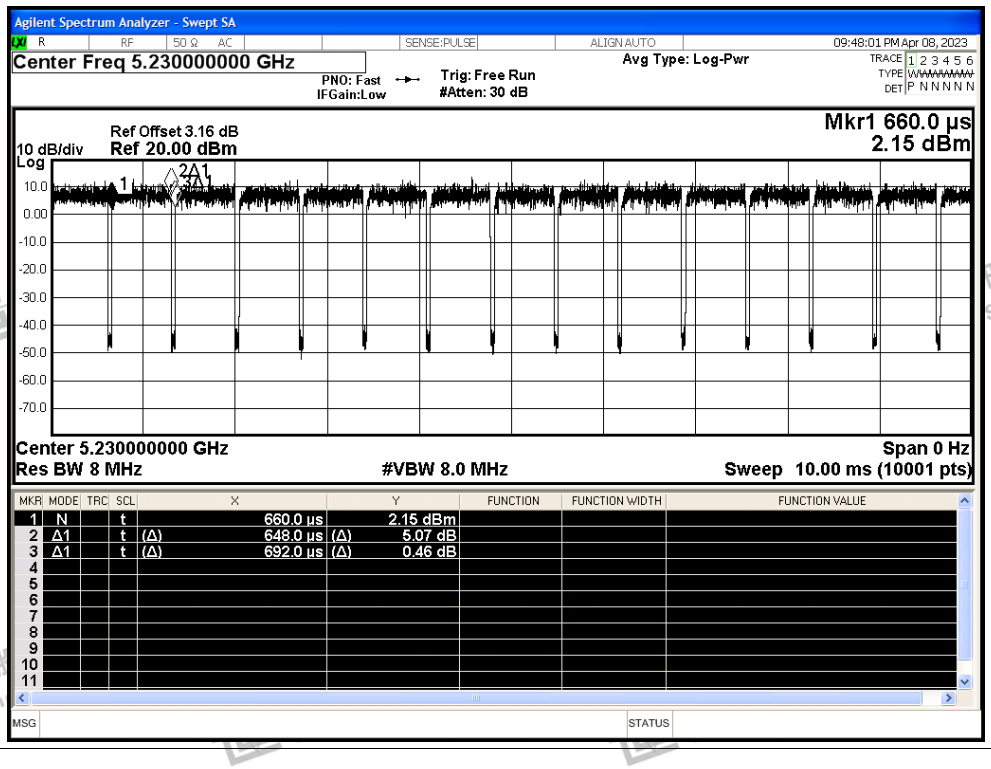
Duty Cycle NVNT n20 5240MHz Ant0



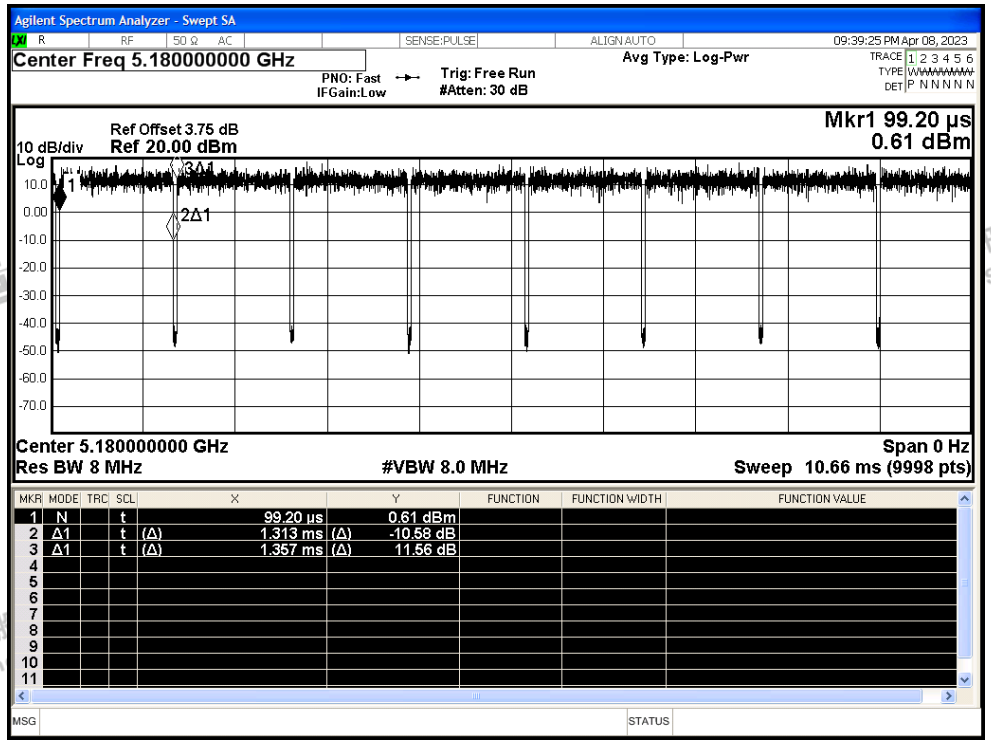
Duty Cycle NVNT n40 5190MHz Ant0



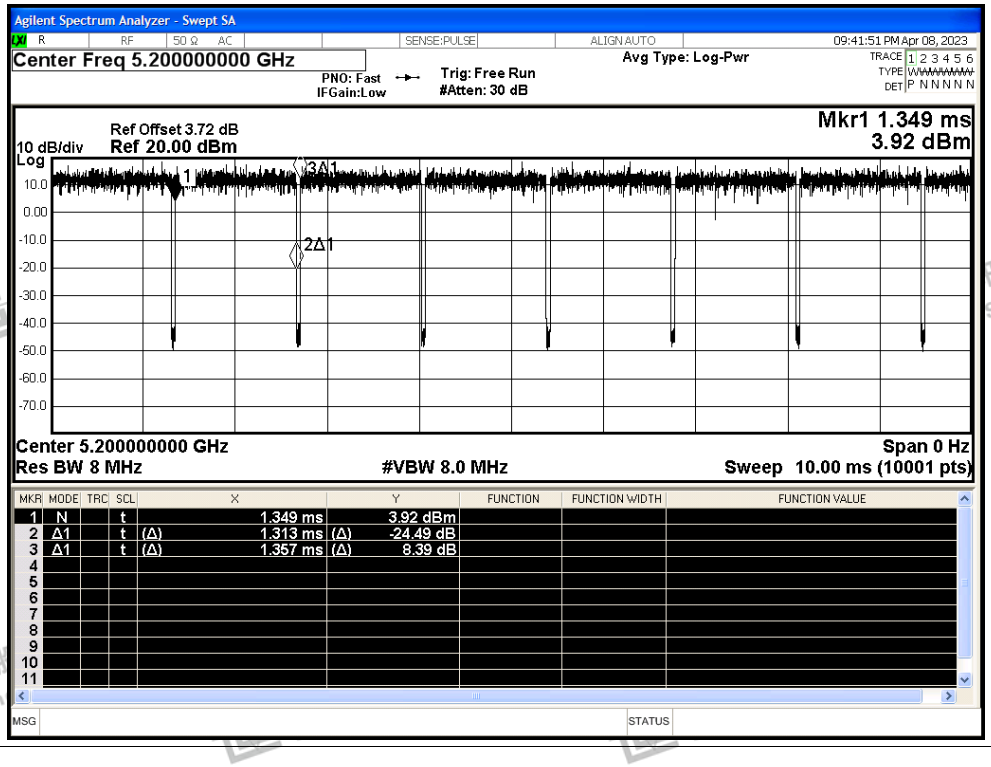
Duty Cycle NVNT n40 5230MHz Ant0



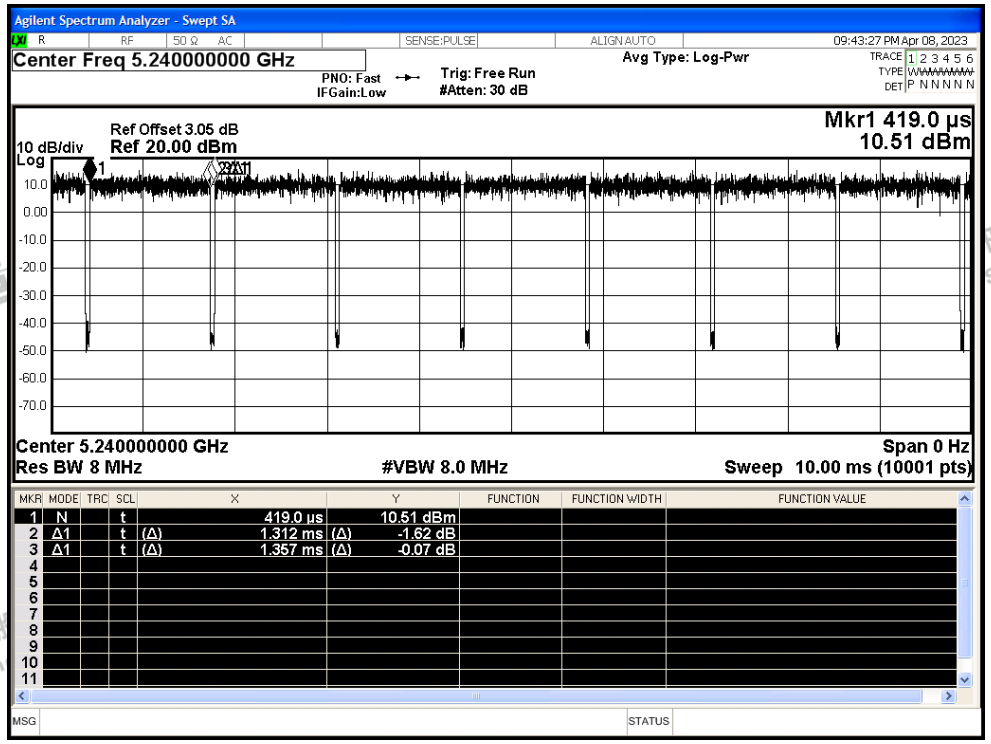
Duty Cycle NVNT ac20 5180MHz Ant0



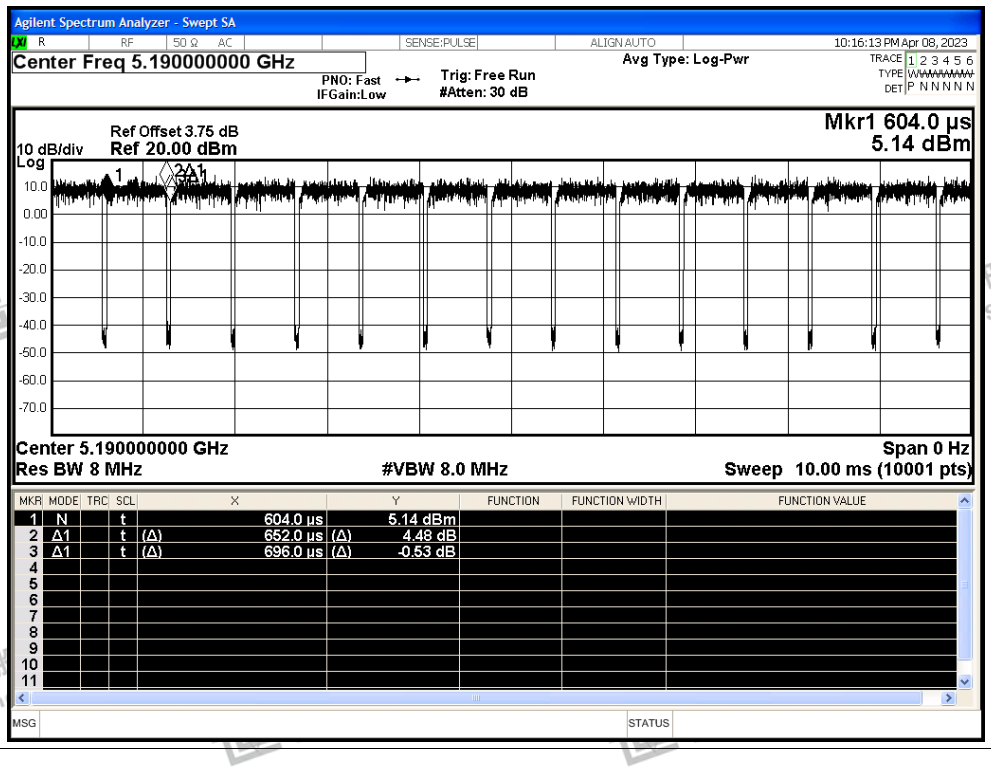
Duty Cycle NVNT ac20 5200MHz Ant0



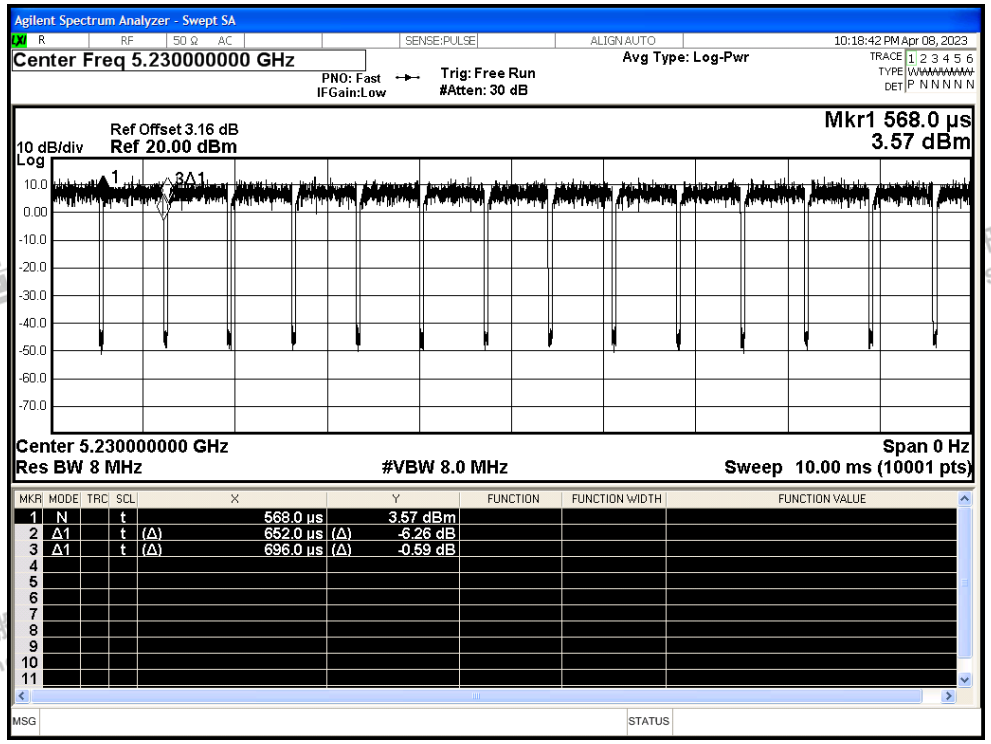
Duty Cycle NVNT ac20 5240MHz Ant0



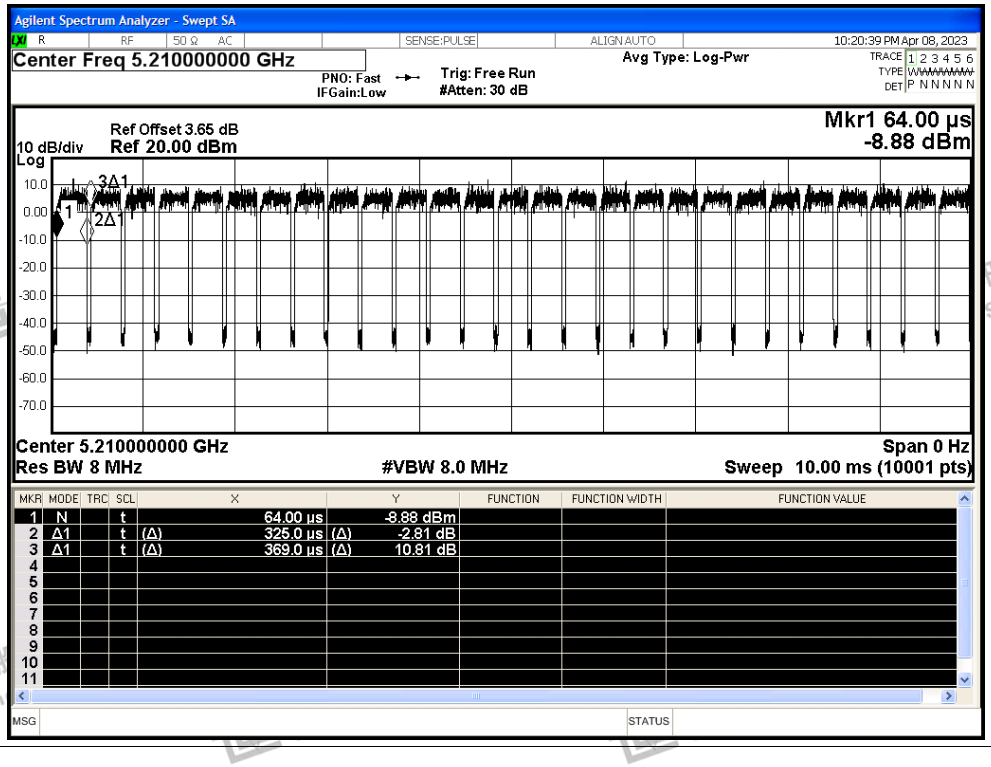
Duty Cycle NVNT ac40 5190MHz Ant0



Duty Cycle NVNT ac40 5230MHz Ant0



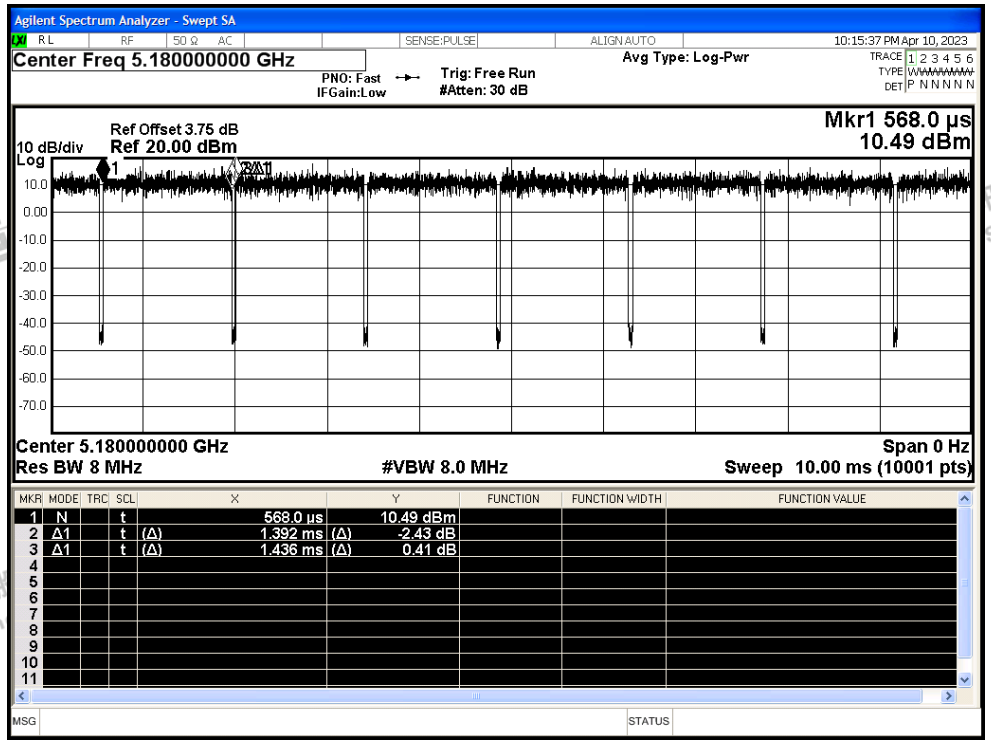
Duty Cycle NVNT ac80 5210MHz Ant0



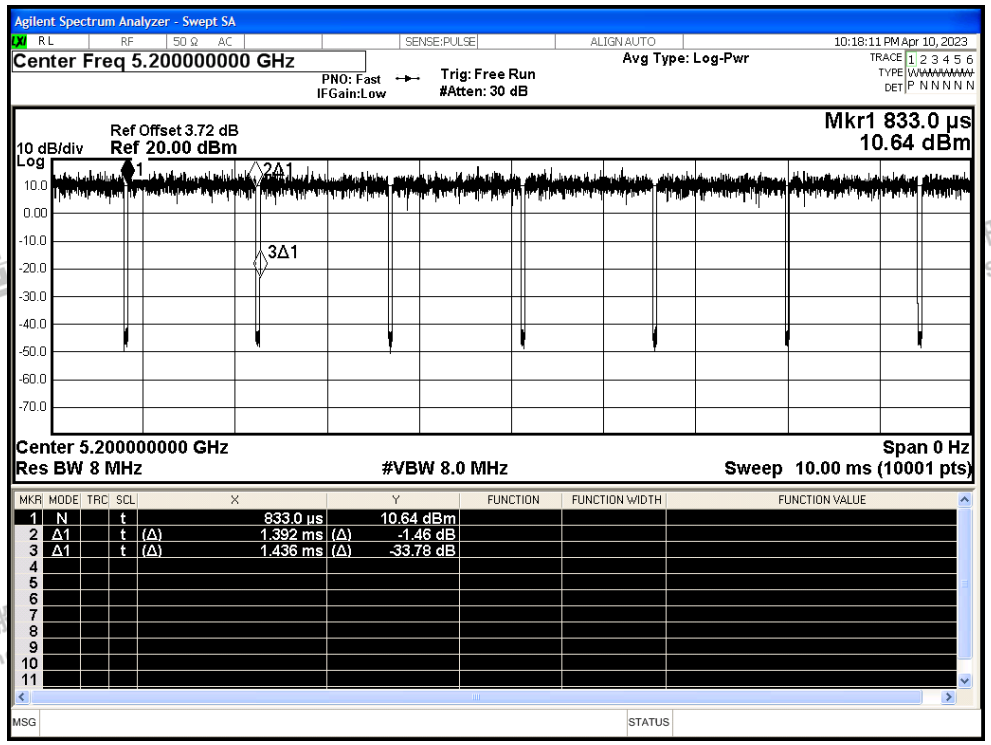
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	96.94	0.13	0.72
NVNT	a	5200	Ant1	96.94	0.13	0.72
NVNT	a	5240	Ant1	96.94	0.13	0.72
NVNT	n20	5180	Ant1	96.73	0.14	0.77
NVNT	n20	5200	Ant1	96.73	0.14	0.77
NVNT	n20	5240	Ant1	96.73	0.14	0.77
NVNT	n40	5190	Ant1	93.64	0.29	1.54
NVNT	n40	5230	Ant1	93.64	0.29	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	96.76	0.14	0.76
NVNT	ac40	5190	Ant1	93.68	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

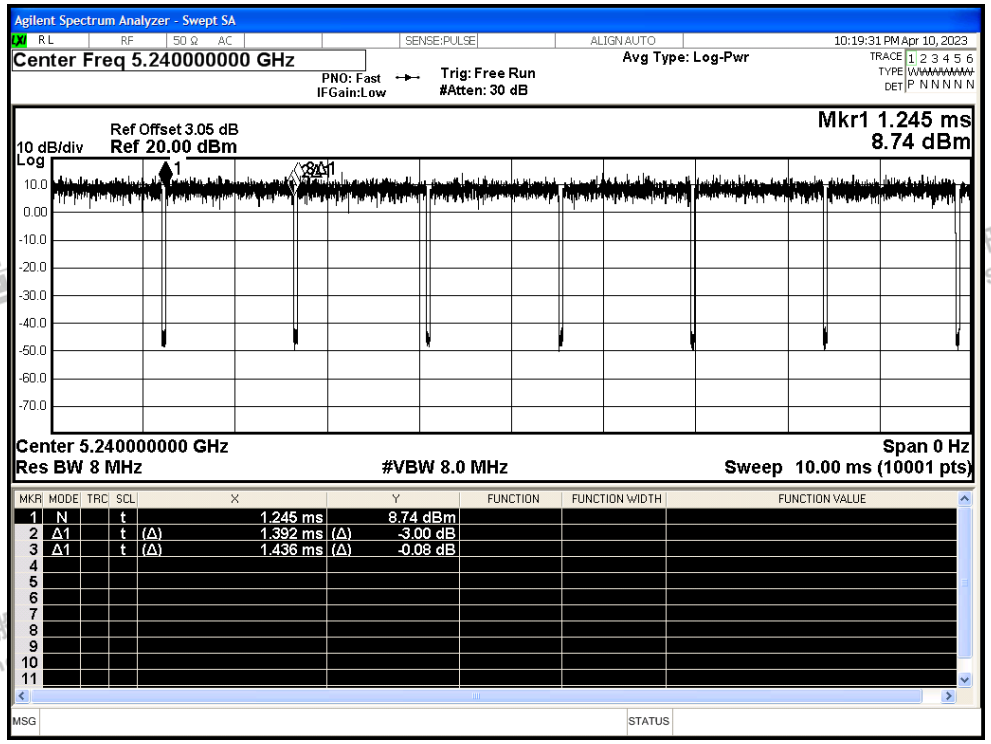
Duty Cycle NVNT a 5180MHz Ant1



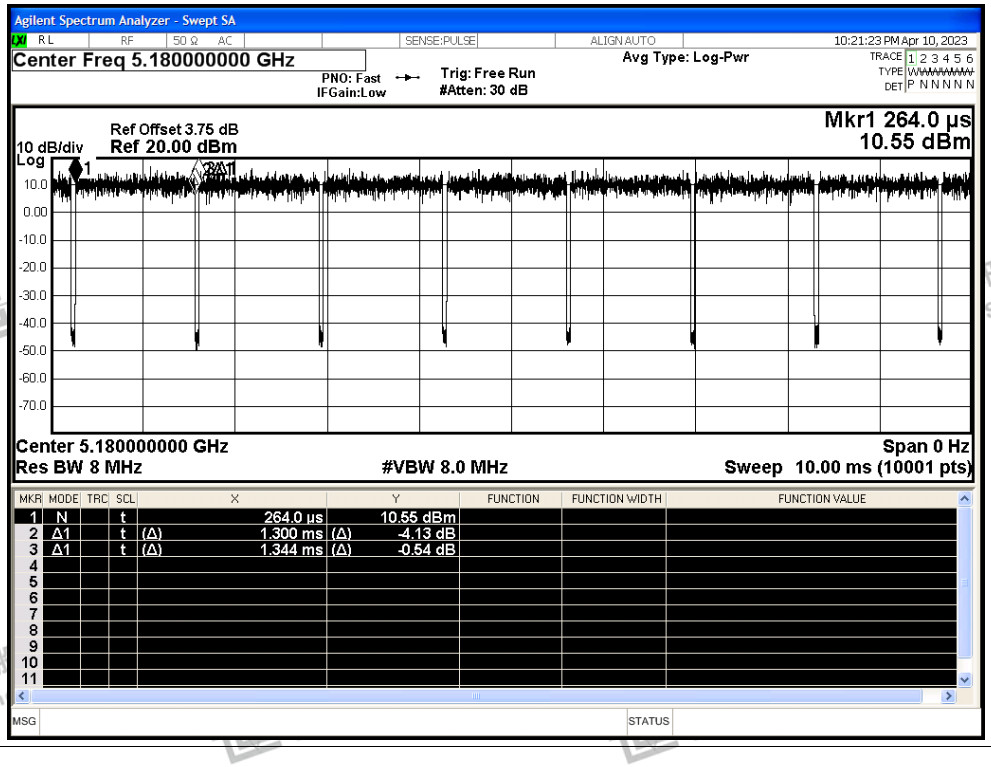
Duty Cycle NVNT a 5200MHz Ant1



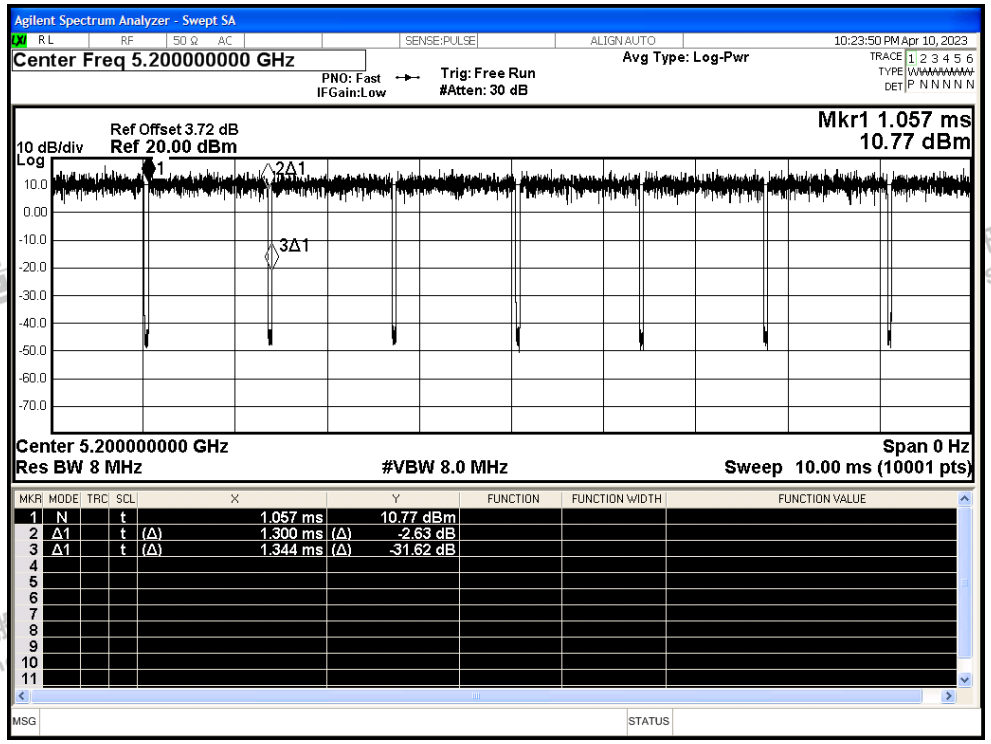
Duty Cycle NVNT a 5240MHz Ant1



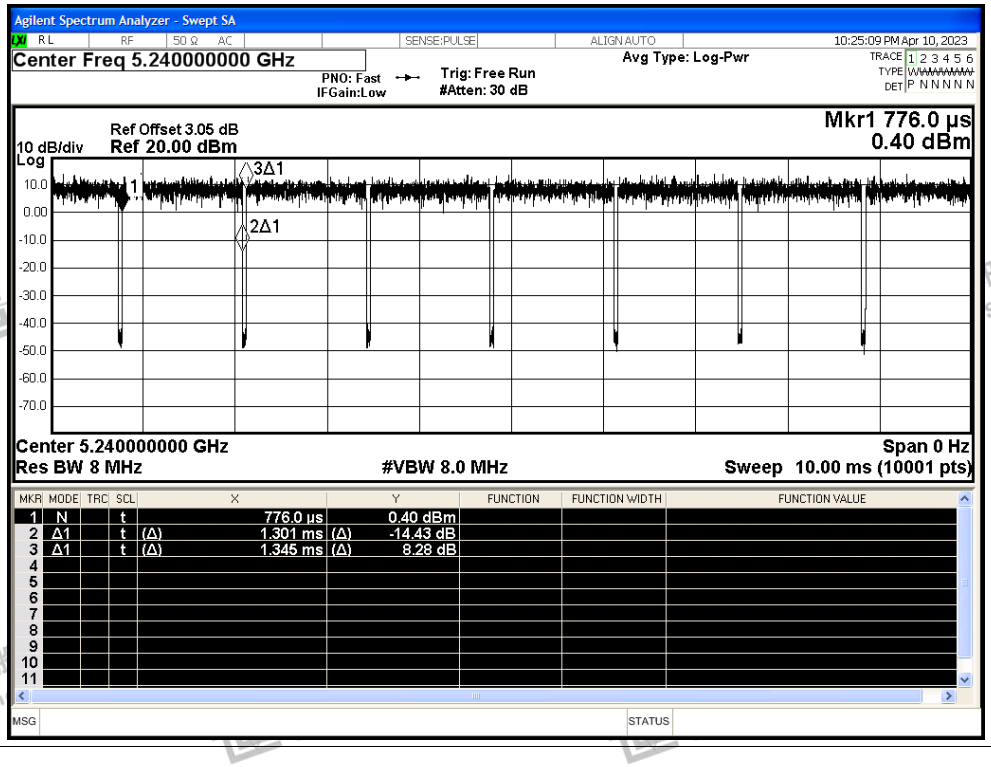
Duty Cycle NVNT n20 5180MHz Ant1



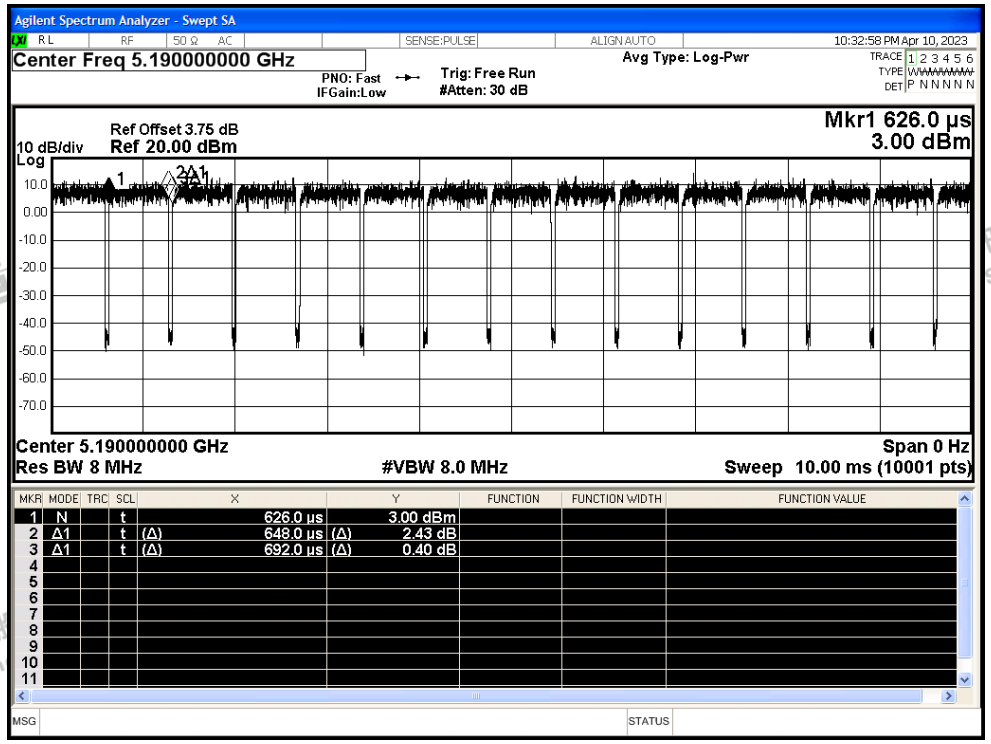
Duty Cycle NVNT n20 5200MHz Ant1



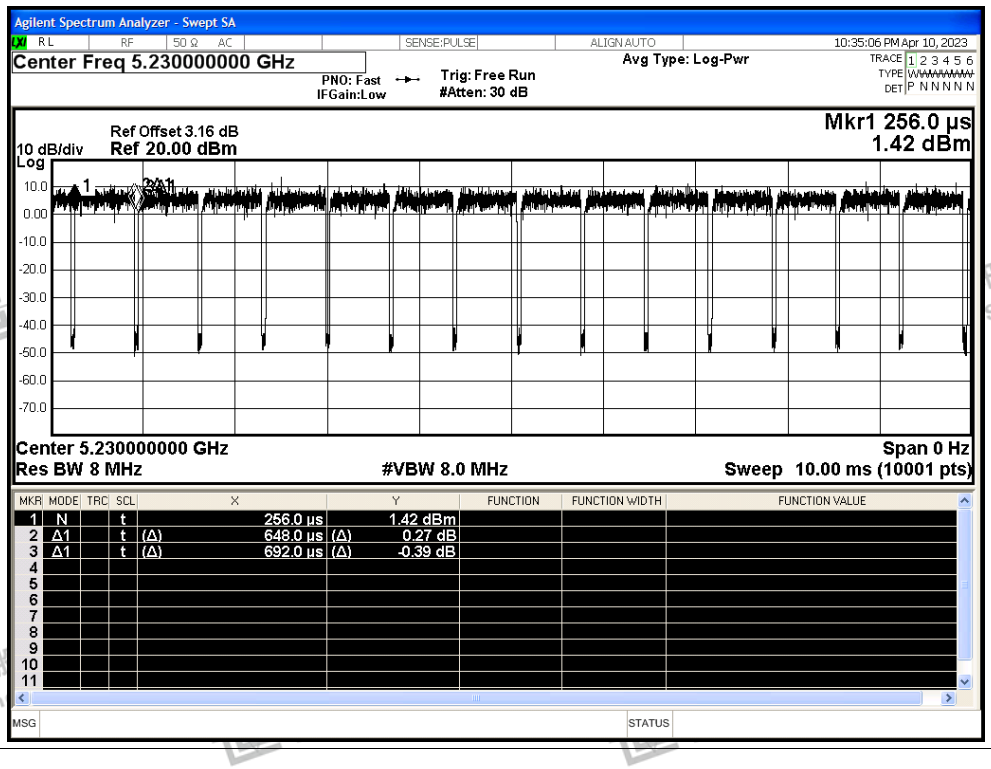
Duty Cycle NVNT n20 5240MHz Ant1



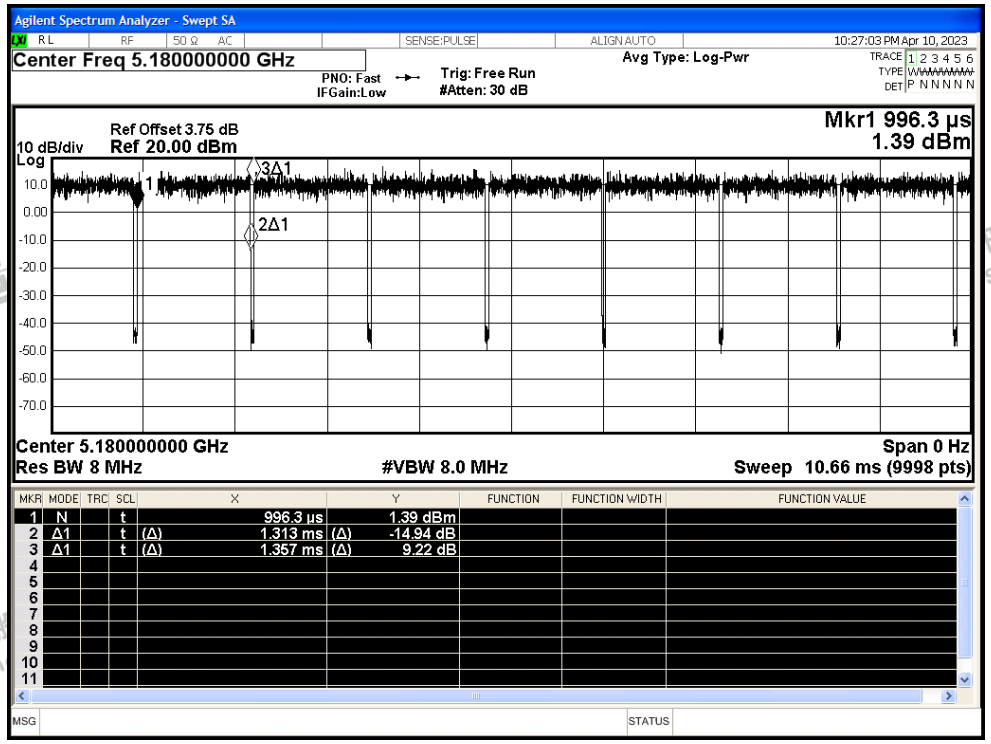
Duty Cycle NVNT n40 5190MHz Ant1



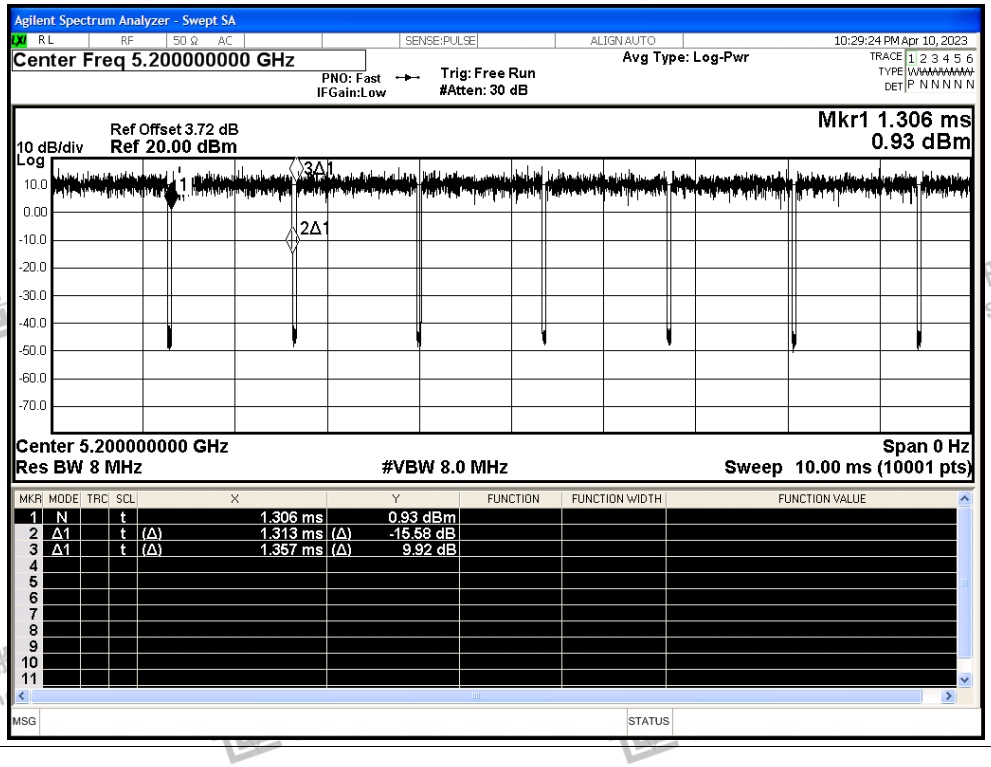
Duty Cycle NVNT n40 5230MHz Ant1



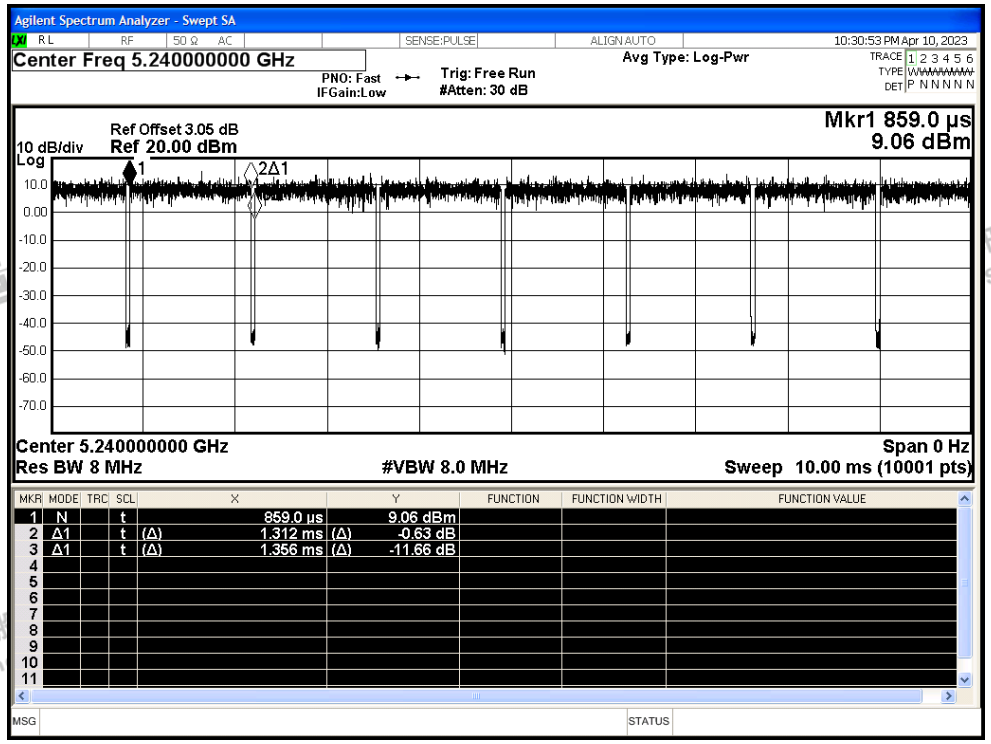
Duty Cycle NVNT ac20 5180MHz Ant1



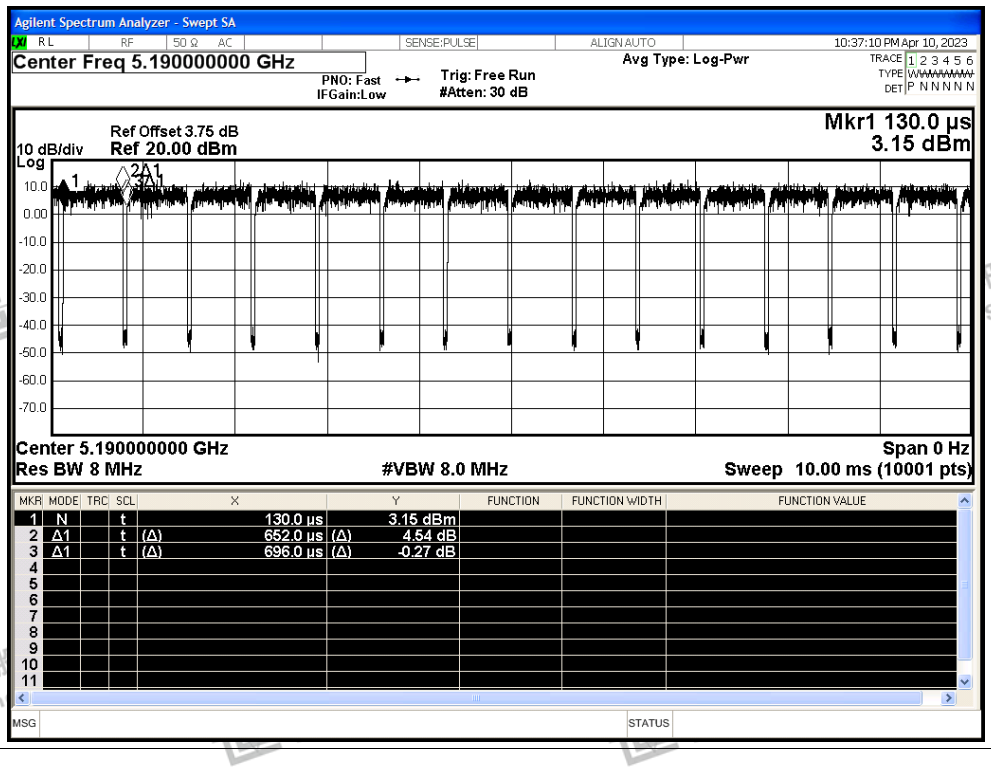
Duty Cycle NVNT ac20 5200MHz Ant1



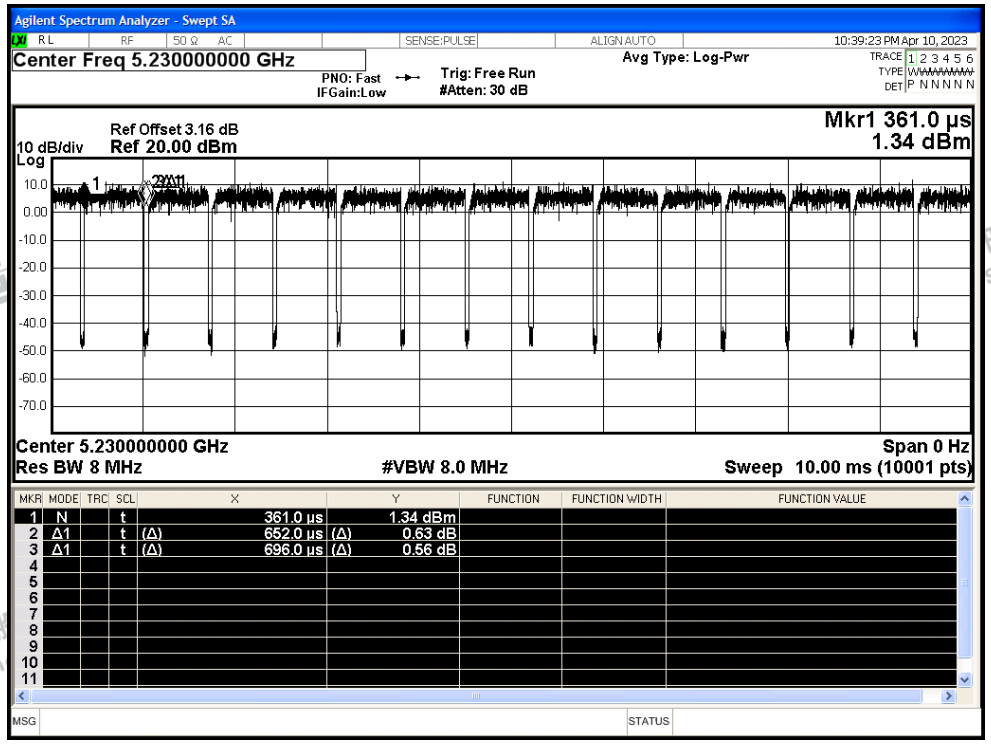
Duty Cycle NVNT ac20 5240MHz Ant1



Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1