



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Tablet

Test Model: 10LB2

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	Ant1	20.199	---	Pass
NVNT	a	5200	Ant1	19.79	---	Pass
NVNT	a	5240	Ant1	19.57	---	Pass
NVNT	n20	5180	Ant1	19.952	---	Pass
NVNT	n20	5200	Ant1	19.899	---	Pass
NVNT	n20	5240	Ant1	20.2	---	Pass
NVNT	n40	5190	Ant1	40	---	Pass
NVNT	n40	5230	Ant1	41.329	---	Pass
NVNT	ac20	5180	Ant1	20.171	---	Pass
NVNT	ac20	5200	Ant1	20.107	---	Pass
NVNT	ac20	5240	Ant1	19.774	---	Pass
NVNT	ac40	5190	Ant1	40.147	---	Pass
NVNT	ac40	5230	Ant1	40.076	---	Pass
NVNT	ac80	5210	Ant1	80.197	---	Pass

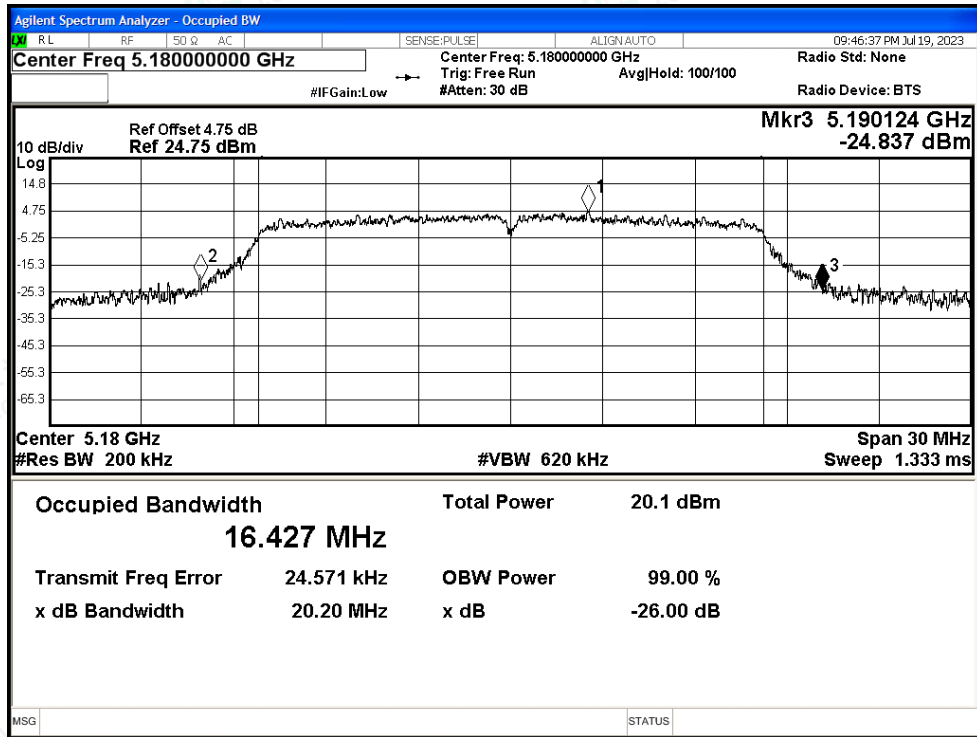


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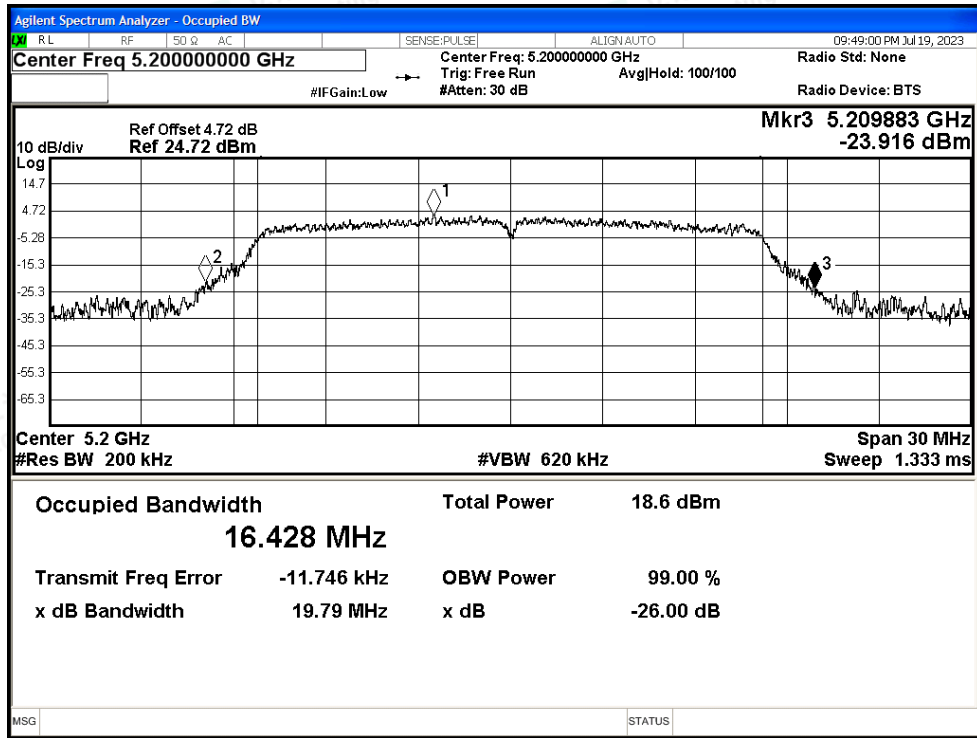


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

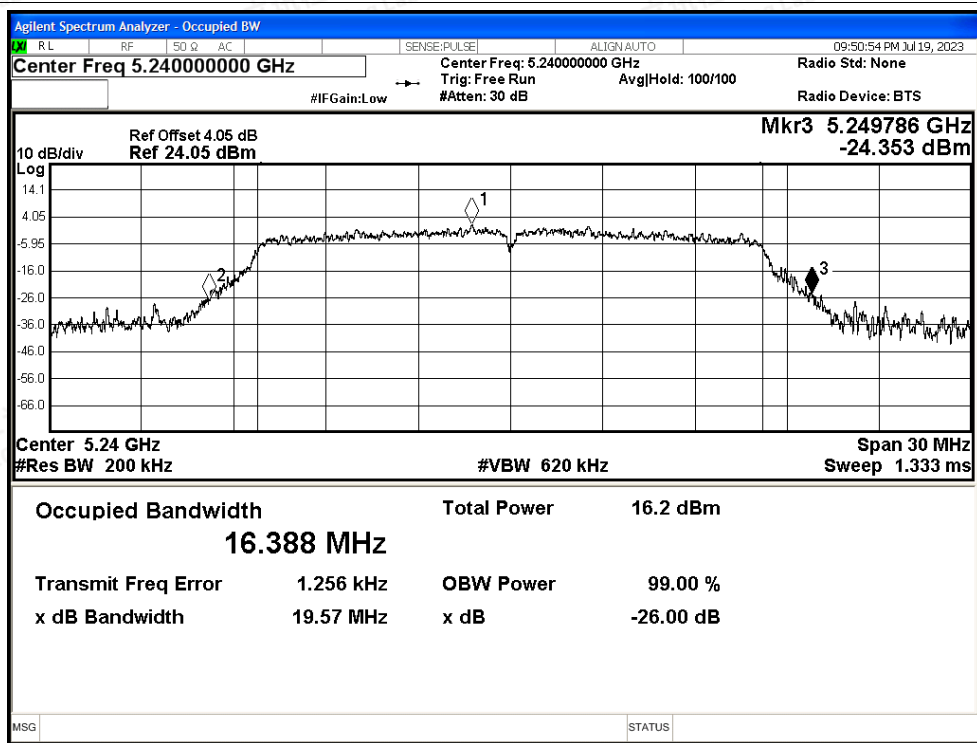


-26dB Bandwidth NVNT a 5200MHz Ant1

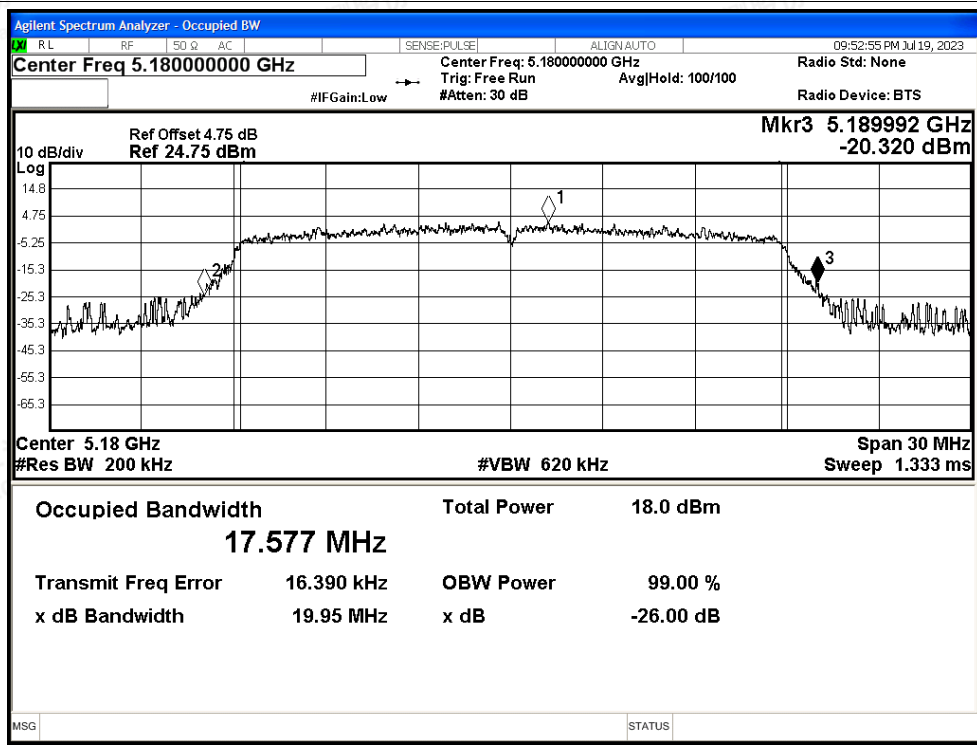




-26dB Bandwidth NVNT a 5240MHz Ant1

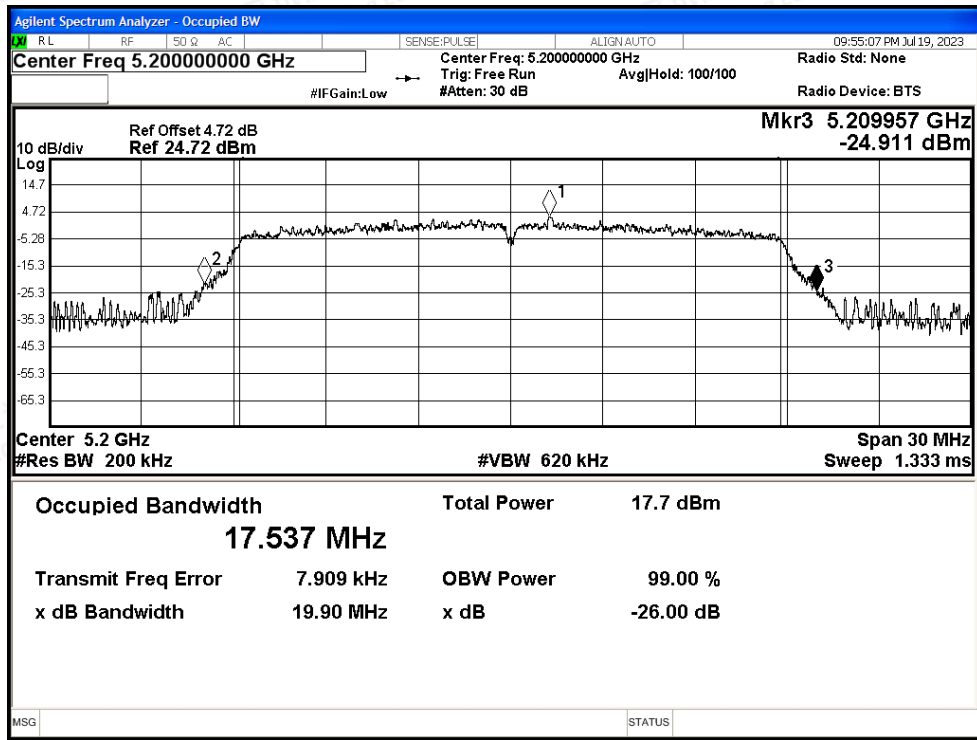


-26dB Bandwidth NVNT n20 5180MHz Ant1

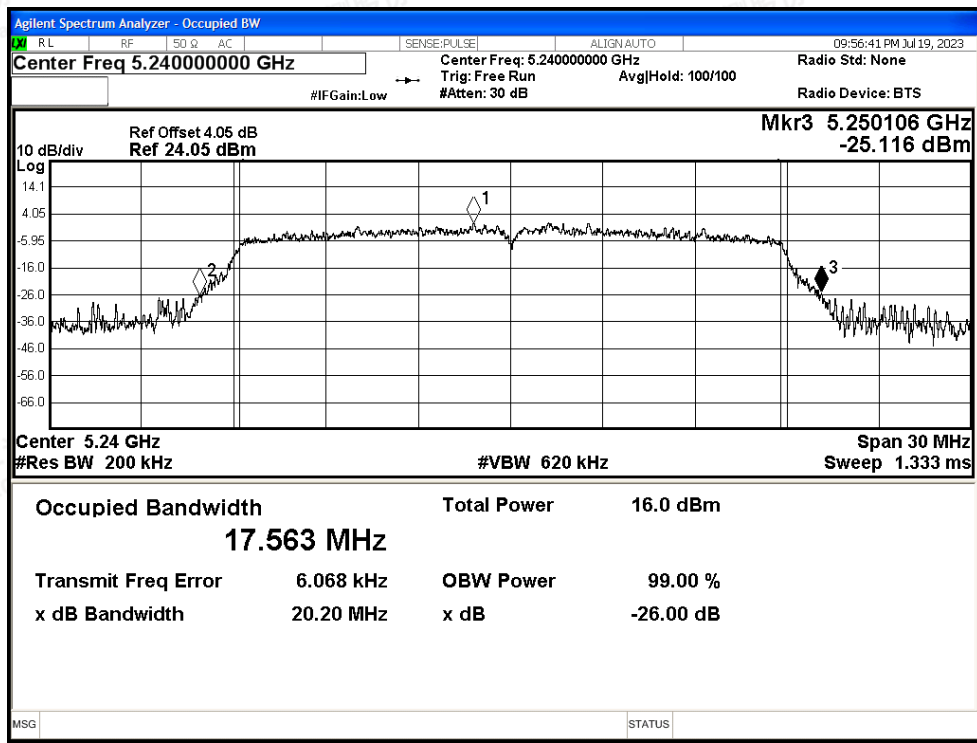




-26dB Bandwidth NVNT n20 5200MHz Ant1

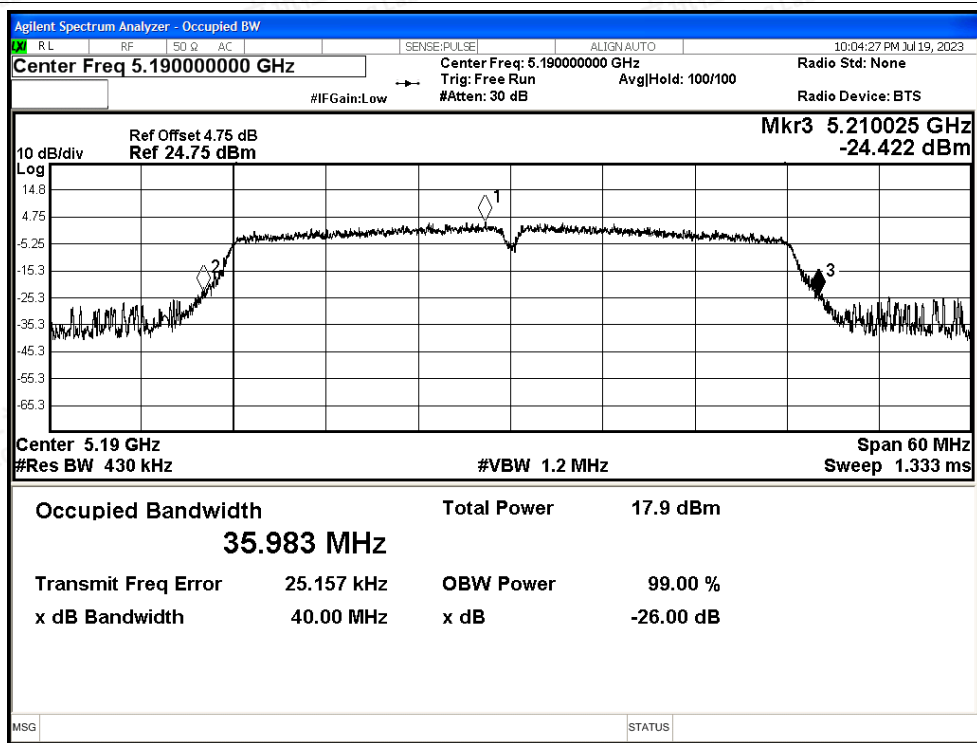


-26dB Bandwidth NVNT n20 5240MHz Ant1

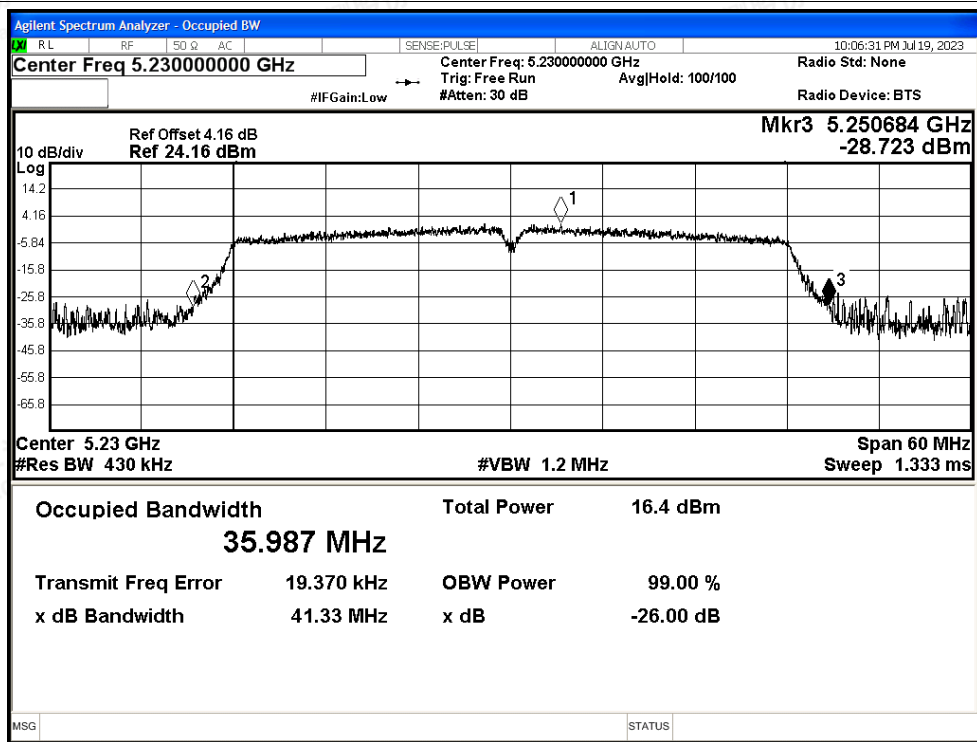




-26dB Bandwidth NVNT n40 5190MHz Ant1

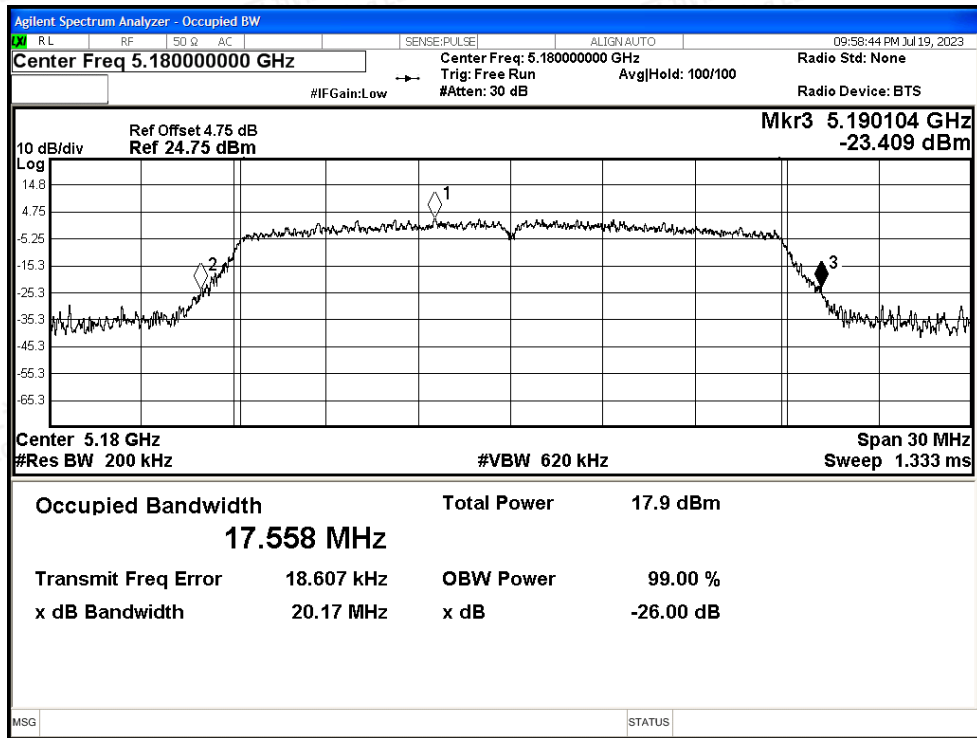


-26dB Bandwidth NVNT n40 5230MHz Ant1

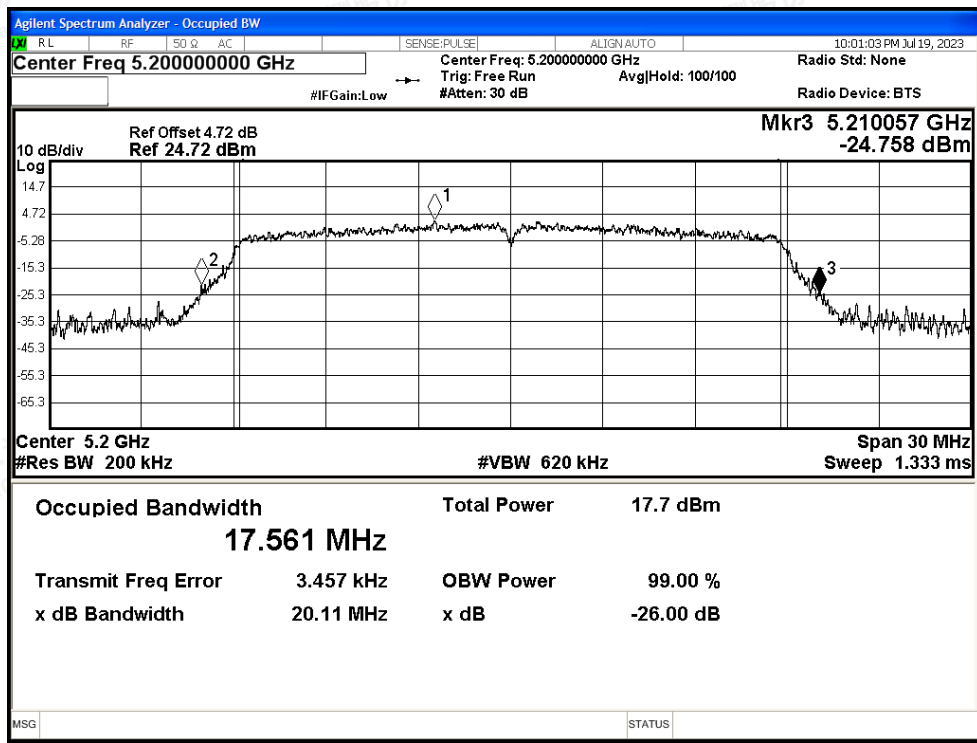




-26dB Bandwidth NVNT ac20 5180MHz Ant1

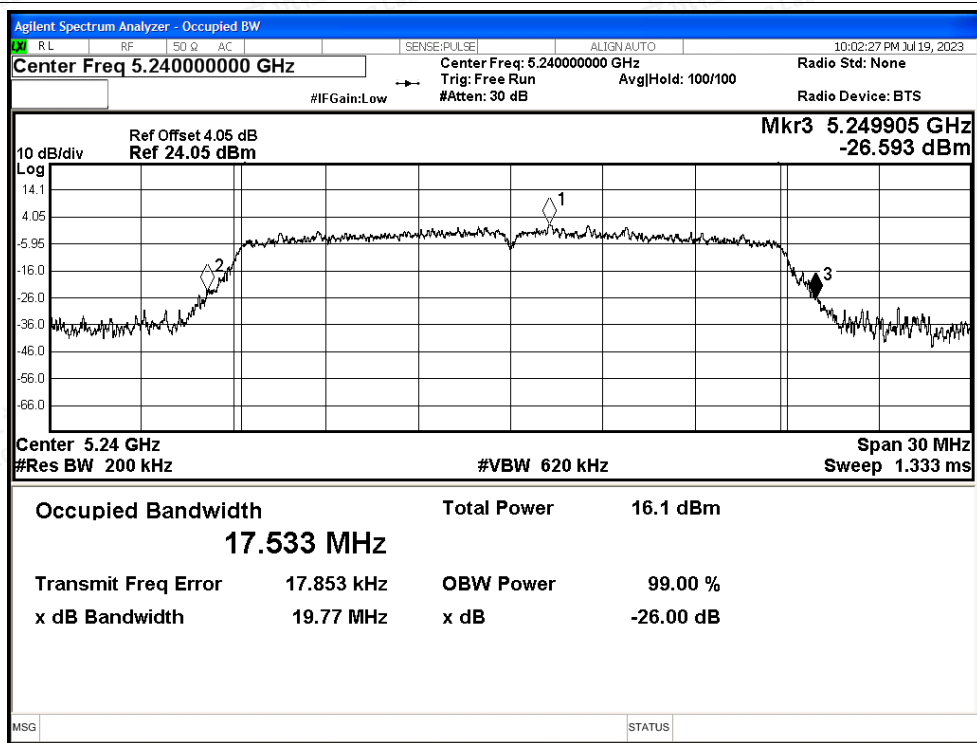


-26dB Bandwidth NVNT ac20 5200MHz Ant1

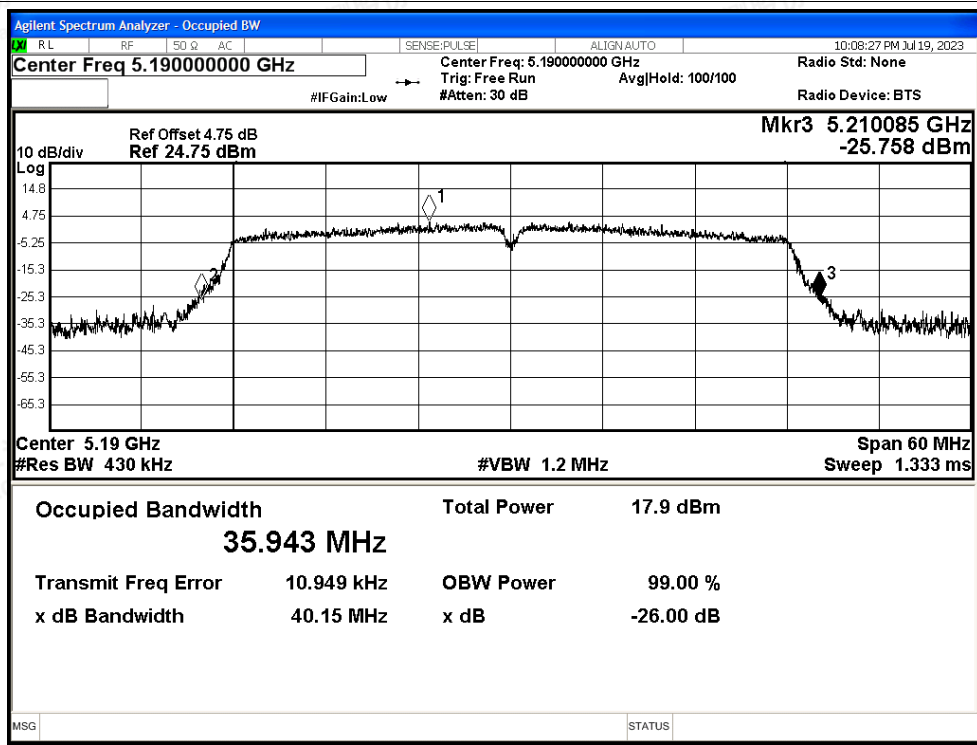




-26dB Bandwidth NVNT ac20 5240MHz Ant1

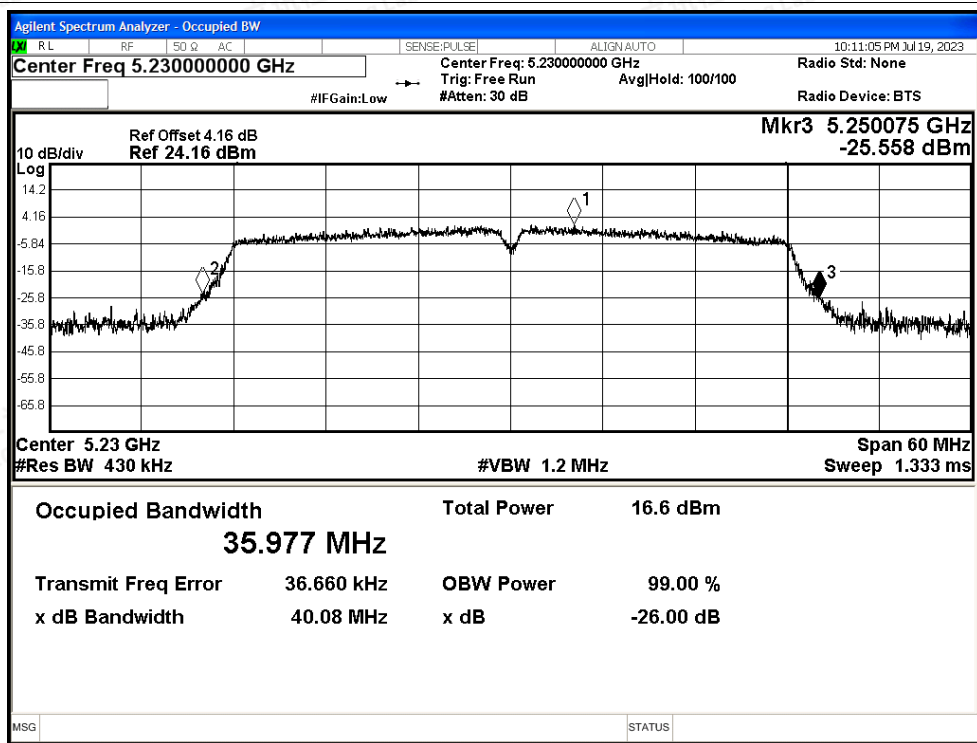


-26dB Bandwidth NVNT ac40 5190MHz Ant1

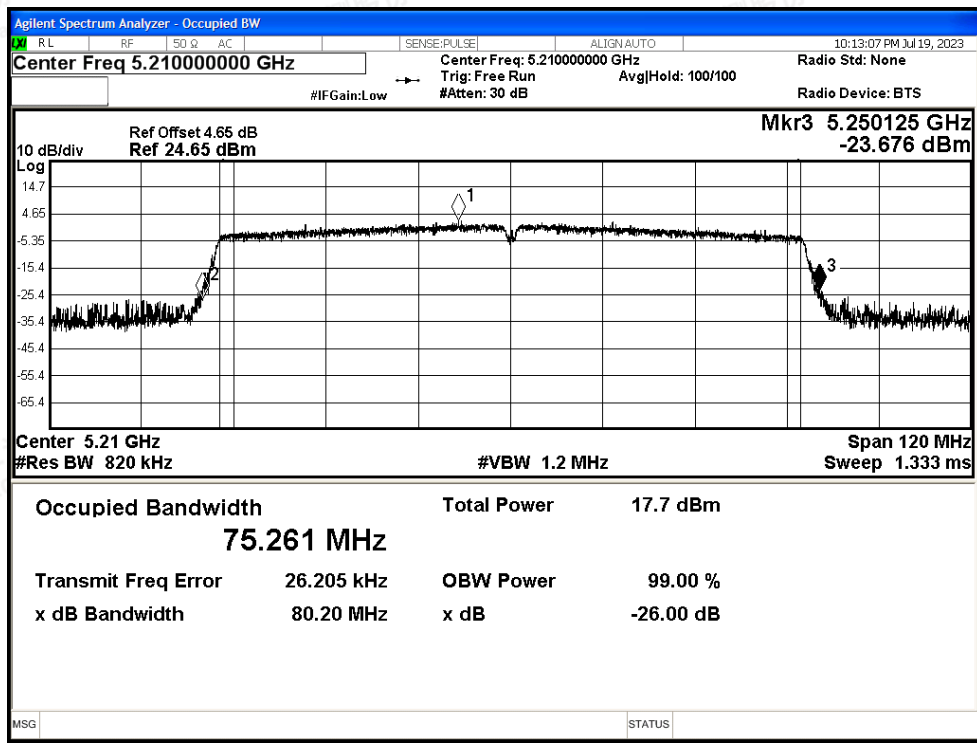




-26dB Bandwidth NVNT ac40 5230MHz Ant1



-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	Ant1	14.43	0.13	14.56	24	Pass
NVNT	a	5200	Ant1	13.08	0.13	13.21	24	Pass
NVNT	a	5240	Ant1	10.5	0.13	10.63	24	Pass
NVNT	n20	5180	Ant1	12.33	0.14	12.47	24	Pass
NVNT	n20	5200	Ant1	11.96	0.14	12.10	24	Pass
NVNT	n20	5240	Ant1	10.35	0.14	10.49	24	Pass
NVNT	n40	5190	Ant1	12.06	0.27	12.33	24	Pass
NVNT	n40	5230	Ant1	10.52	0.28	10.80	24	Pass
NVNT	ac20	5180	Ant1	12.24	0.14	12.38	24	Pass
NVNT	ac20	5200	Ant1	12.13	0.14	12.27	24	Pass
NVNT	ac20	5240	Ant1	10.37	0.14	10.51	24	Pass
NVNT	ac40	5190	Ant1	11.99	0.27	12.26	24	Pass
NVNT	ac40	5230	Ant1	10.48	0.28	10.76	24	Pass
NVNT	ac80	5210	Ant1	10.78	0.54	11.32	24	Pass



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D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	4.7	0.13	4.83	11	Pass
NVNT	a	5200	Ant1	3.27	0.13	3.4	11	Pass
NVNT	a	5240	Ant1	1.19	0.13	1.32	11	Pass
NVNT	n20	5180	Ant1	2.57	0.14	2.71	11	Pass
NVNT	n20	5200	Ant1	2.3	0.14	2.44	11	Pass
NVNT	n20	5240	Ant1	0.63	0.14	0.77	11	Pass
NVNT	n40	5190	Ant1	-0.84	0.27	-0.57	11	Pass
NVNT	n40	5230	Ant1	-2.06	0.28	-1.78	11	Pass
NVNT	ac20	5180	Ant1	2.42	0.14	2.56	11	Pass
NVNT	ac20	5200	Ant1	2.22	0.14	2.36	11	Pass
NVNT	ac20	5240	Ant1	0.8	0.14	0.94	11	Pass
NVNT	ac40	5190	Ant1	-0.46	0.27	-0.19	11	Pass
NVNT	ac40	5230	Ant1	-2.32	0.28	-2.04	11	Pass
NVNT	ac80	5210	Ant1	-4.81	0.54	-4.27	11	Pass

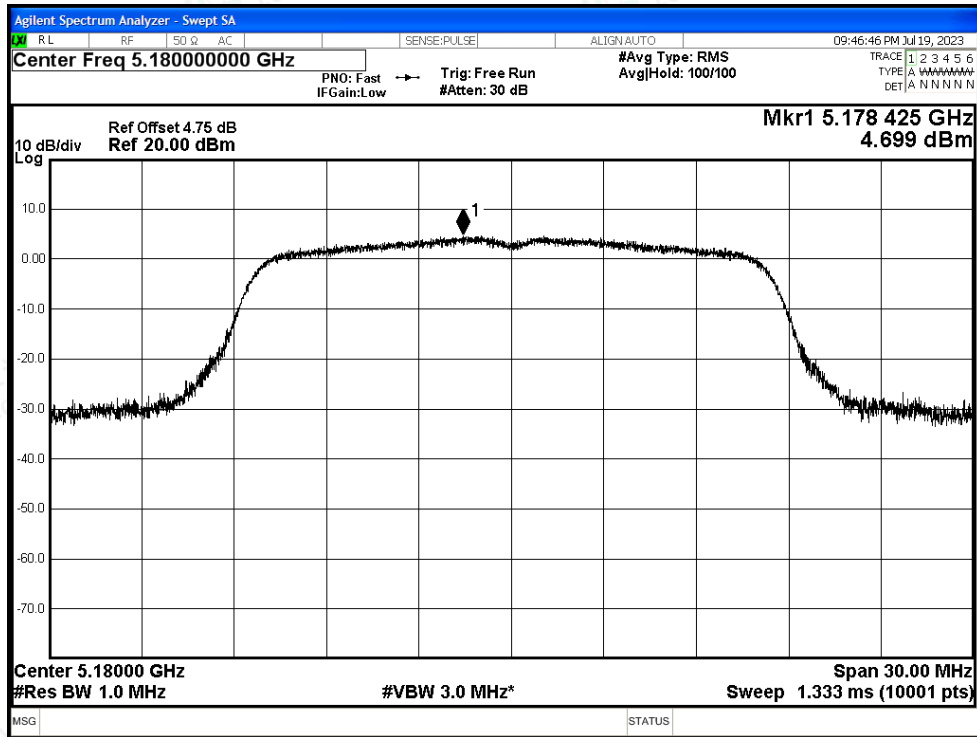


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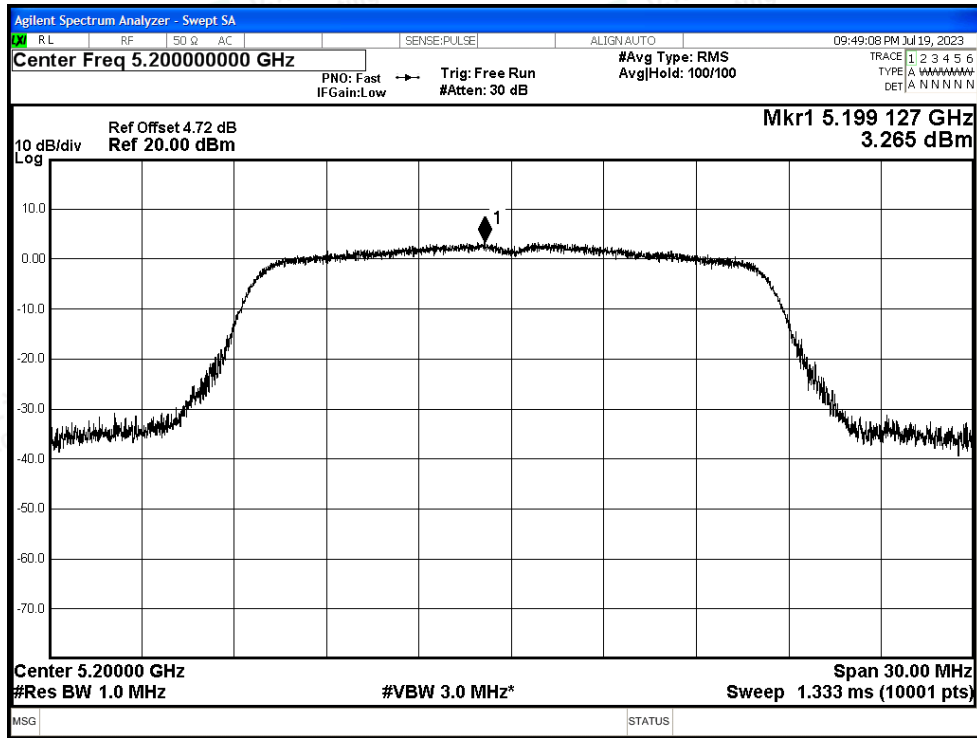


Test Graphs

PSD NVNT a 5180MHz Ant1

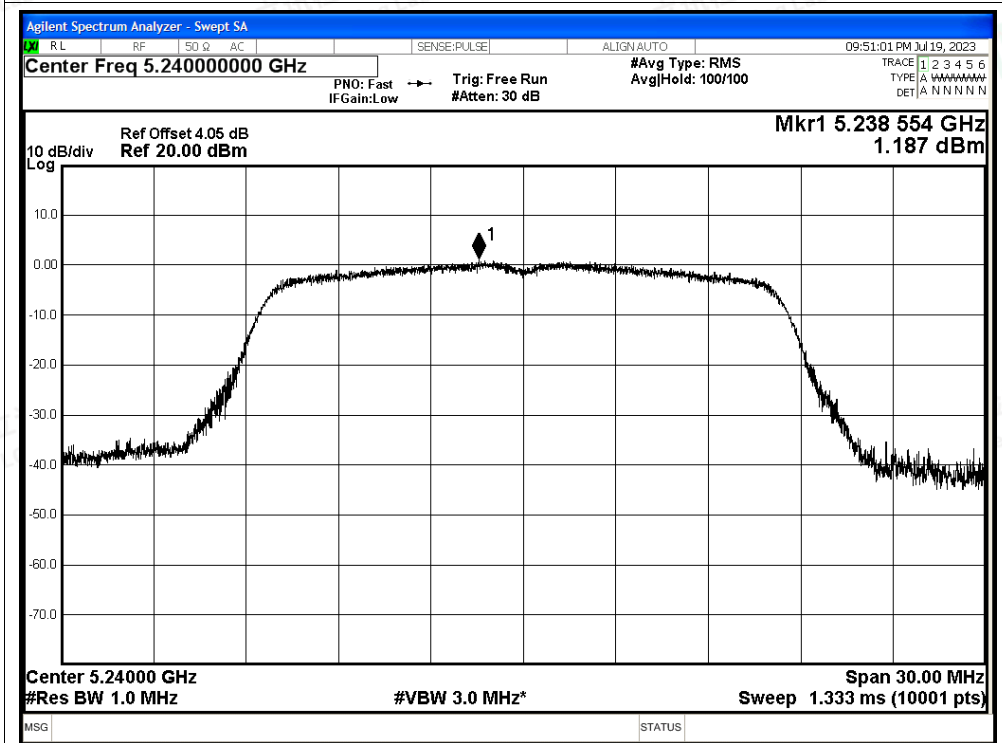


PSD NVNT a 5200MHz Ant1

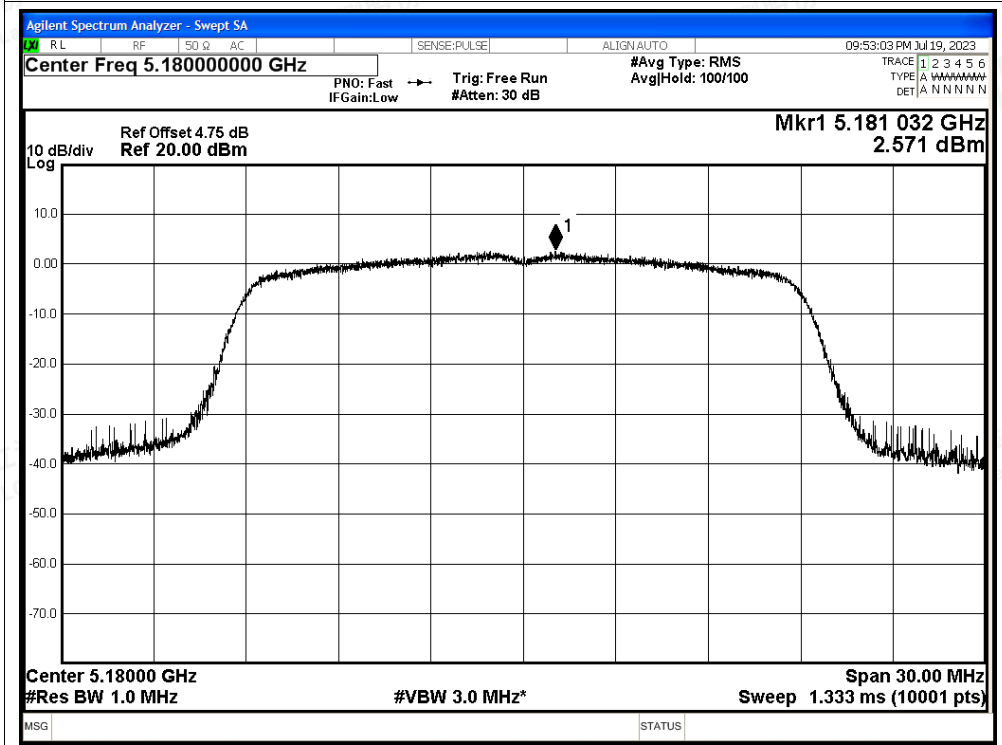


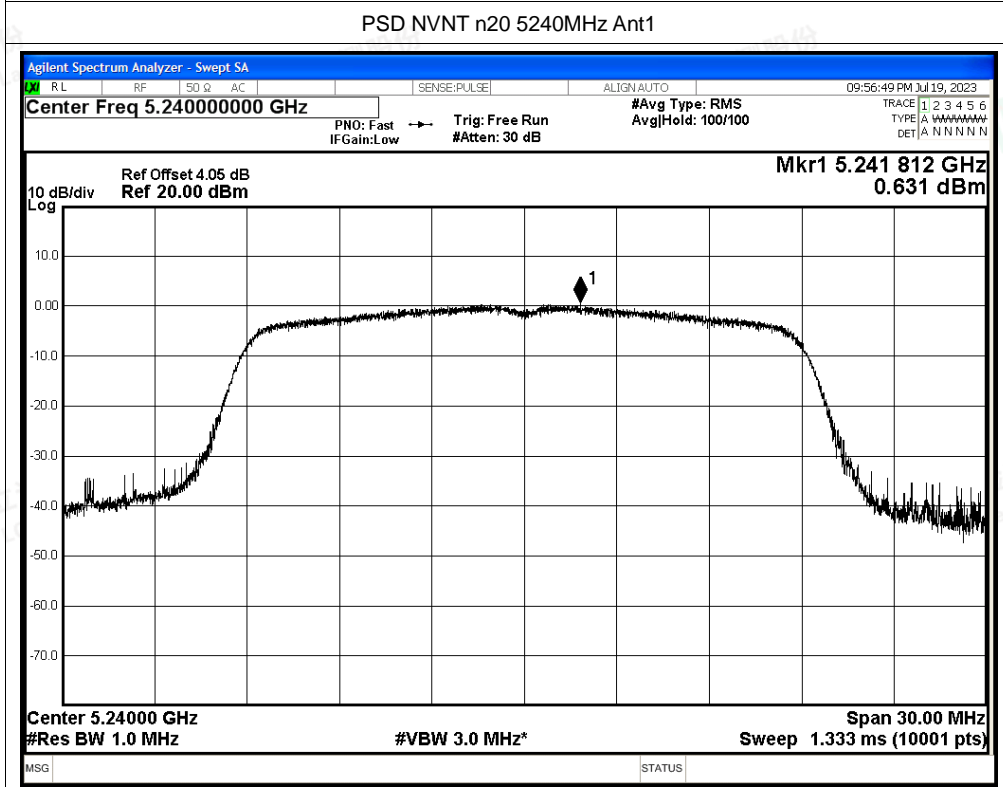
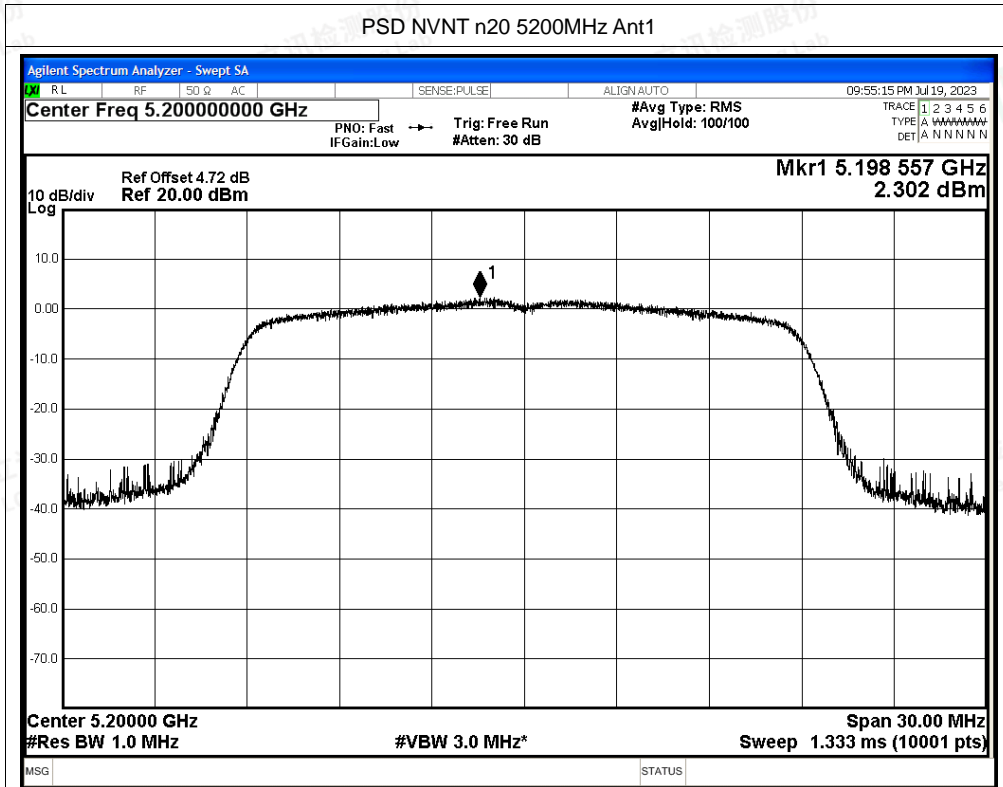


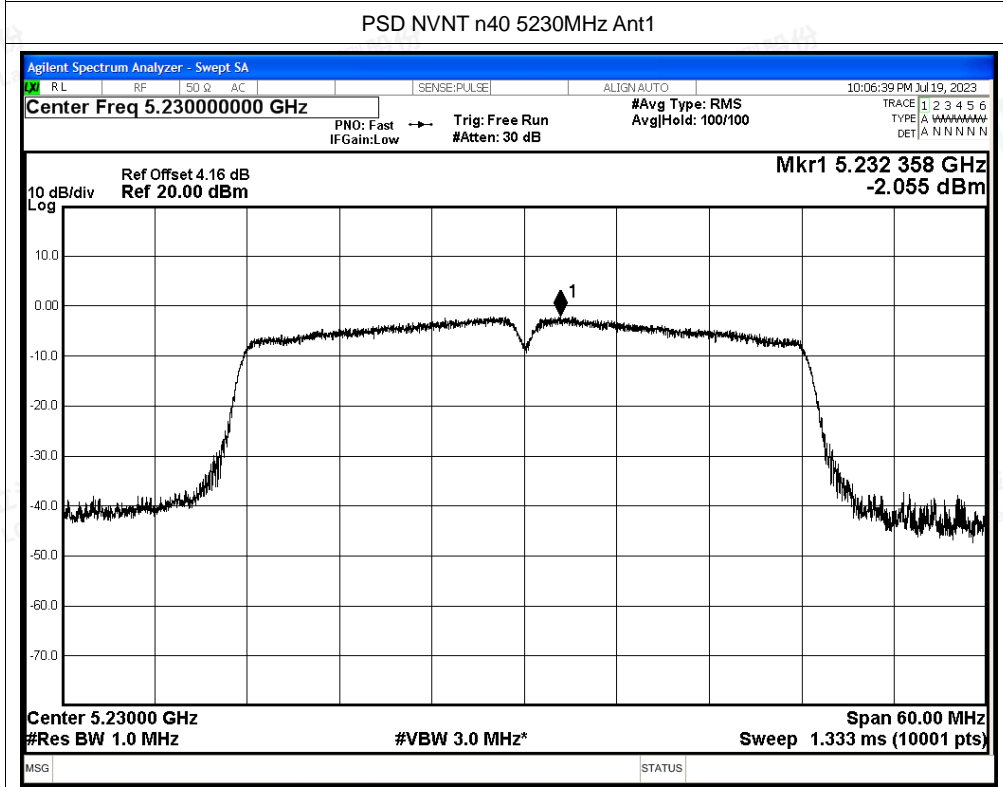
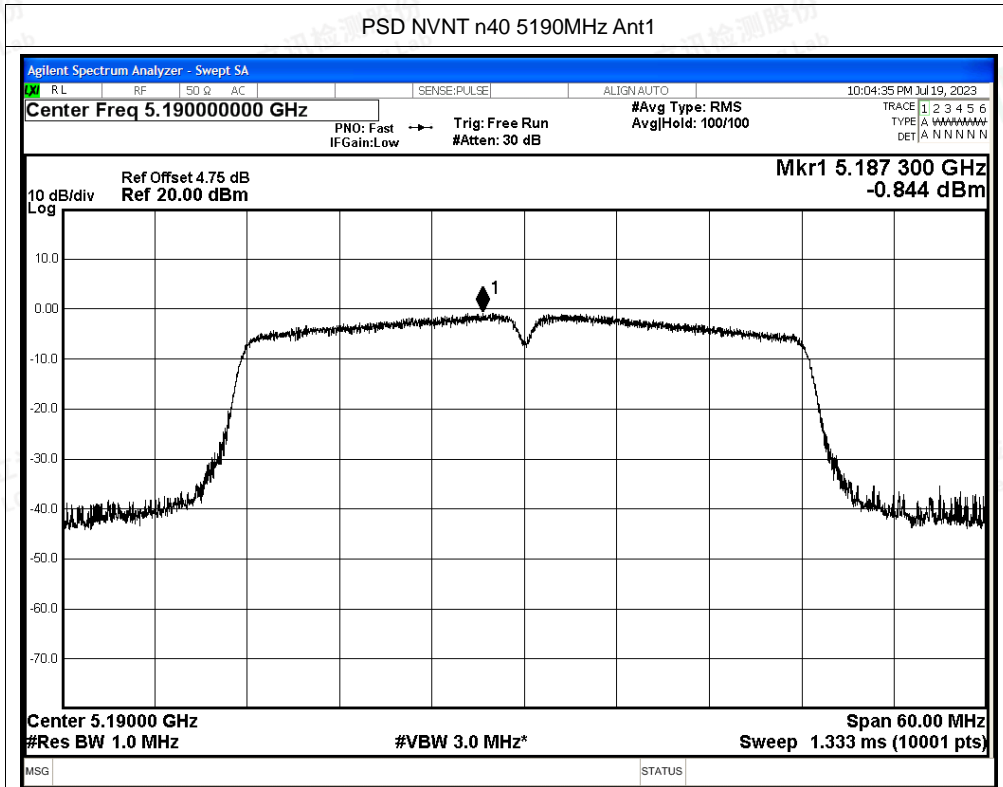
PSD NVNT a 5240MHz Ant1

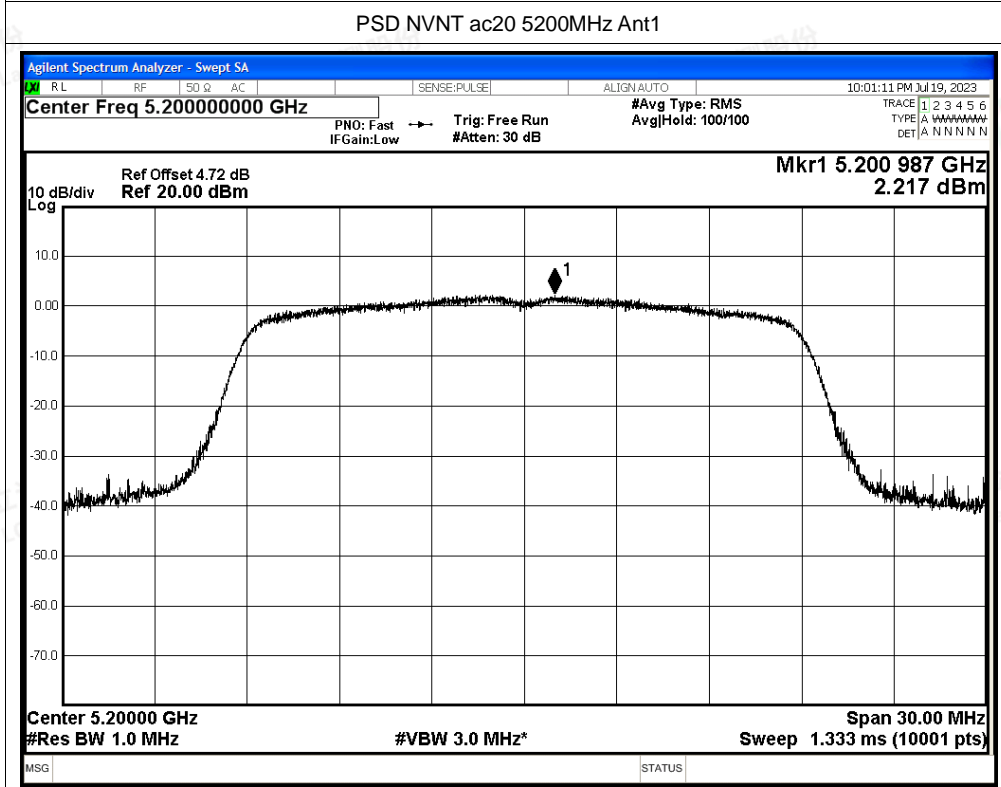
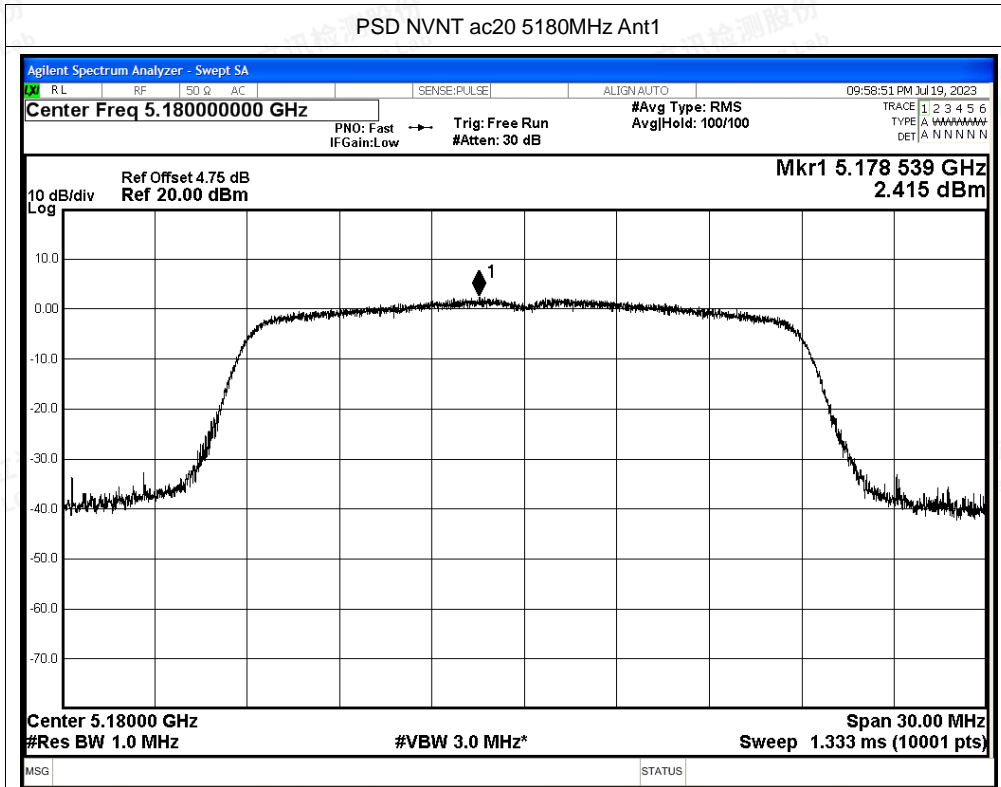


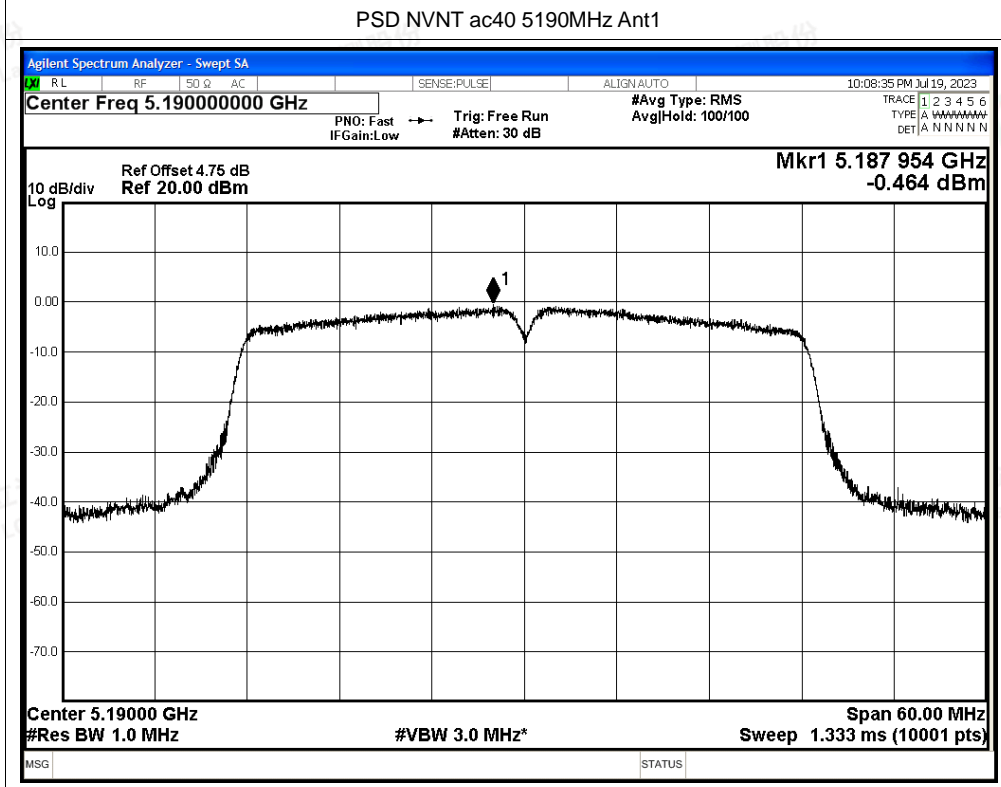
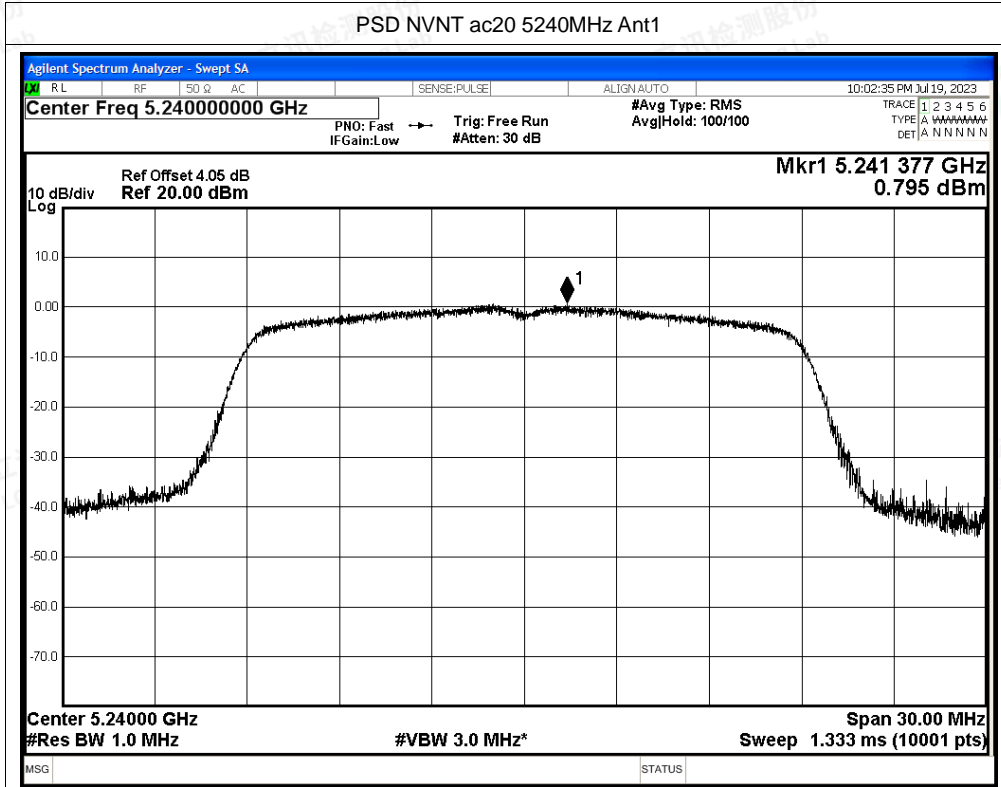
PSD NVNT n20 5180MHz Ant1

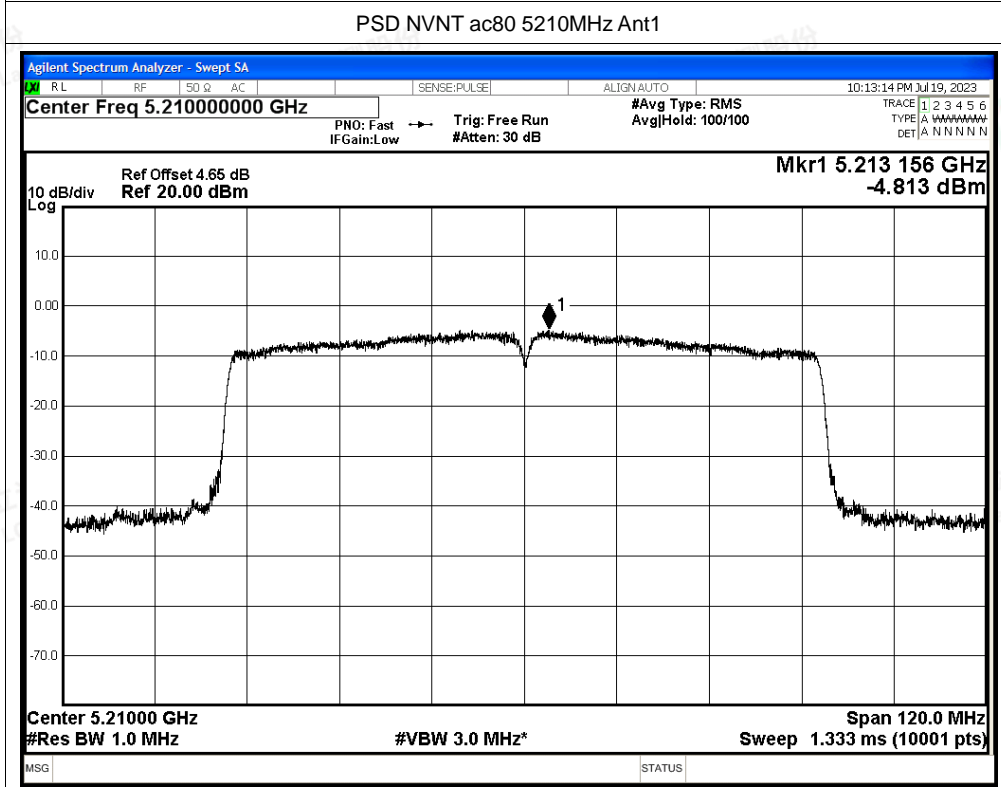
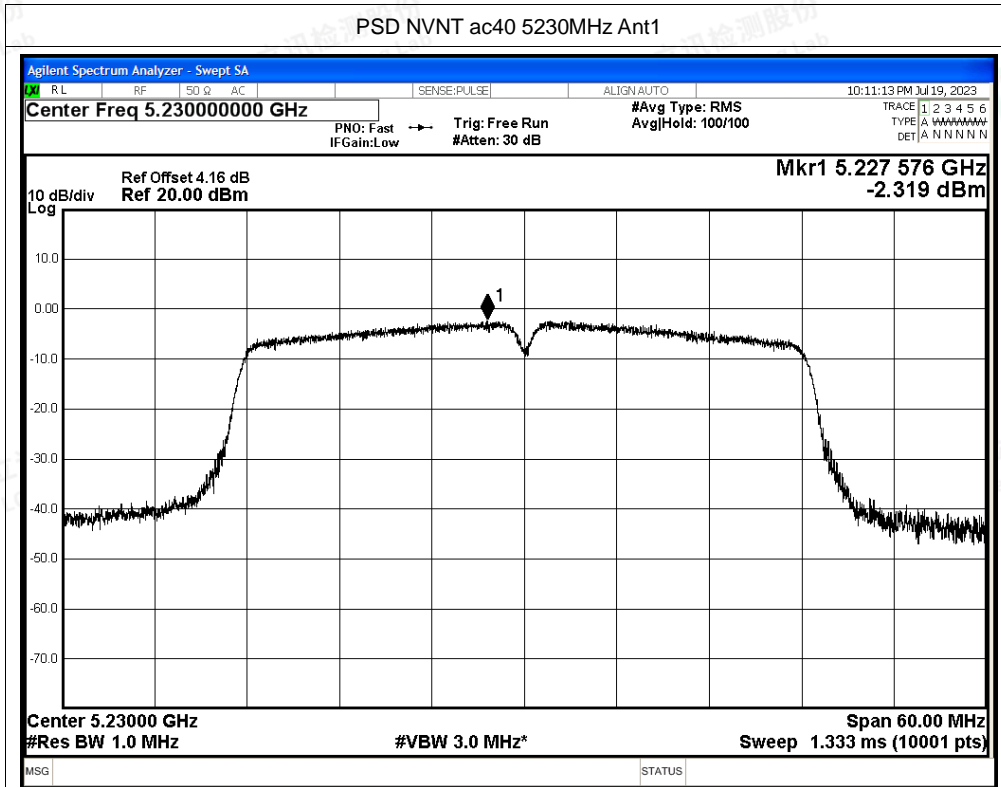














D.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant1	4500	-48.34	2	48.89	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-56.39	2	40.84	Average	54	Pass
NVNT	a	5180	Ant1	5148.9	-45.34	2	51.89	Peak	68.2	Pass
NVNT	a	5180	Ant1	5111.1	-54.44	2	42.79	Average	54	Pass
NVNT	a	5180	Ant1	5150	-48.12	2	49.11	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-54.56	2	42.67	Average	54	Pass
NVNT	a	5240	Ant1	5350	-49.01	2	48.22	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-55.47	2	41.76	Average	54	Pass
NVNT	a	5240	Ant1	5415.12	-46.05	2	51.18	Peak	68.2	Pass
NVNT	a	5240	Ant1	5358.48	-55.35	2	41.88	Average	54	Pass
NVNT	a	5240	Ant1	5460	-48.97	2	48.26	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-56.13	2	41.1	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-49.25	2	47.98	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-56.2	2	41.03	Average	54	Pass
NVNT	n20	5180	Ant1	5147.5	-34.58	2	62.65	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-44.76	2	52.47	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-35.06	2	62.17	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-44.14	2	53.09	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-48.46	2	48.77	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-55.43	2	41.8	Average	54	Pass
NVNT	n20	5240	Ant1	5356.8	-45.95	2	51.28	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350.8	-55.26	2	41.97	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-49.84	2	47.39	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-56.17	2	41.06	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-48.3	2	48.93	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-55.96	2	41.27	Average	54	Pass
NVNT	n40	5190	Ant1	5086.92	-43.97	2	53.26	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5140.21	-53.98	2	43.25	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-46.19	2	51.04	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-54.31	2	42.92	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-48.05	2	49.18	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-54.78	2	42.45	Average	54	Pass
NVNT	n40	5230	Ant1	5355.51	-45.49	2	51.74	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5359.83	-54.7	2	42.53	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-49.82	2	47.41	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-55.73	2	41.5	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-49.84	2	47.39	Peak	68.2	Pass





NVNT	ac20	5180	Ant1	4500	-56.31	2	40.92	Average	54	Pass
NVNT	ac20	5180	Ant1	5144	-36.41	2	60.82	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5149.6	-44.67	2	52.56	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-37.7	2	59.53	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-44.54	2	52.69	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-48.86	2	48.37	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-55.41	2	41.82	Average	54	Pass
NVNT	ac20	5240	Ant1	5432.4	-45.51	2	51.72	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5357.76	-55.28	2	41.95	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-49.01	2	48.22	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-56.01	2	41.22	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-48.48	2	48.75	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-55.82	2	41.41	Average	54	Pass
NVNT	ac40	5190	Ant1	5143.13	-45.52	2	51.71	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5087.65	-54.04	2	43.19	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-48.26	2	48.97	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-54.24	2	42.99	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-48.26	2	48.97	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-54.86	2	42.37	Average	54	Pass
NVNT	ac40	5230	Ant1	5372.25	-46.16	2	51.07	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5356.86	-54.74	2	42.49	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-48.81	2	48.42	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-55.67	2	41.56	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-46.25	2	50.98	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-53.2	2	44.03	Average	54	Pass
NVNT	ac80	5210	Ant1	5361.33	-44.81	2	52.42	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350.44	-53	2	44.23	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-48.77	2	48.46	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-54.95	2	42.28	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-49.88	2	47.35	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-55.75	2	41.48	Average	54	Pass
NVNT	ac80	5210	Ant1	4995.33	-45.34	2	51.89	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5130.42	-53.76	2	43.47	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-47.87	2	49.36	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-53.55	2	43.68	Average	54	Pass

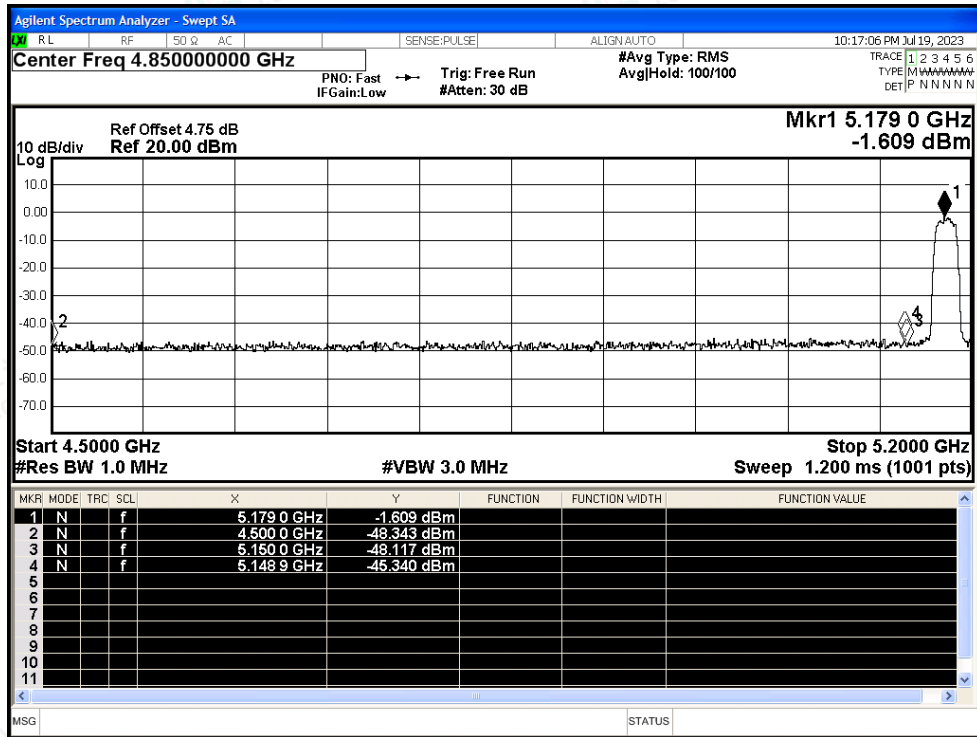


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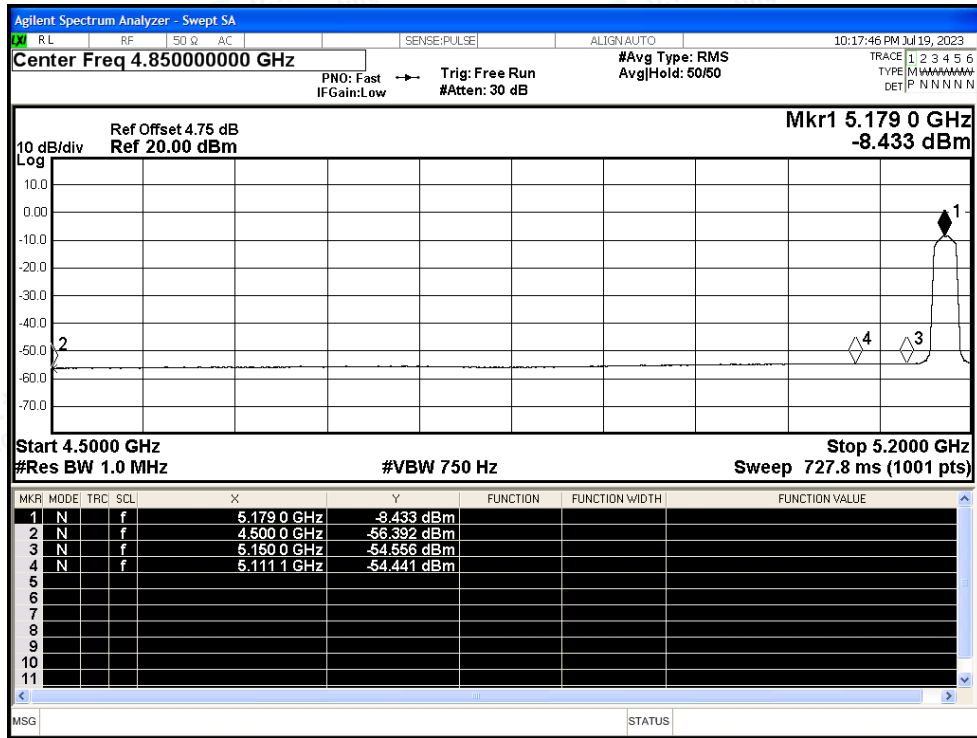


Test Graphs

Restrict Band NVNT a 5180MHz Ant1 Peak

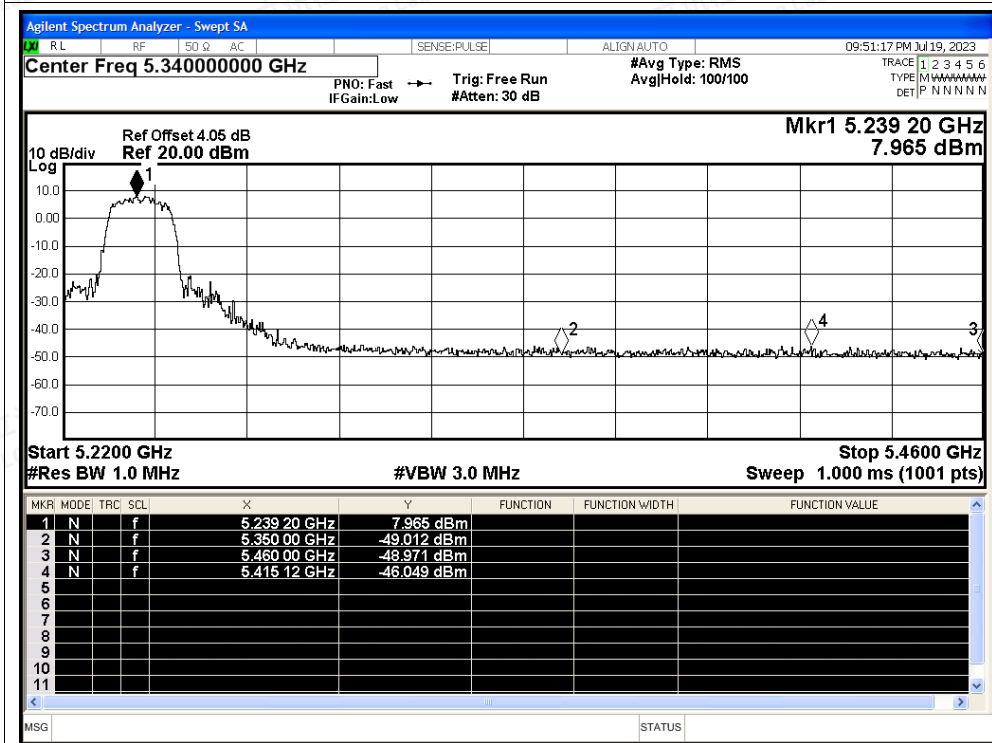


Restrict Band NVNT a 5180MHz Ant1 Average

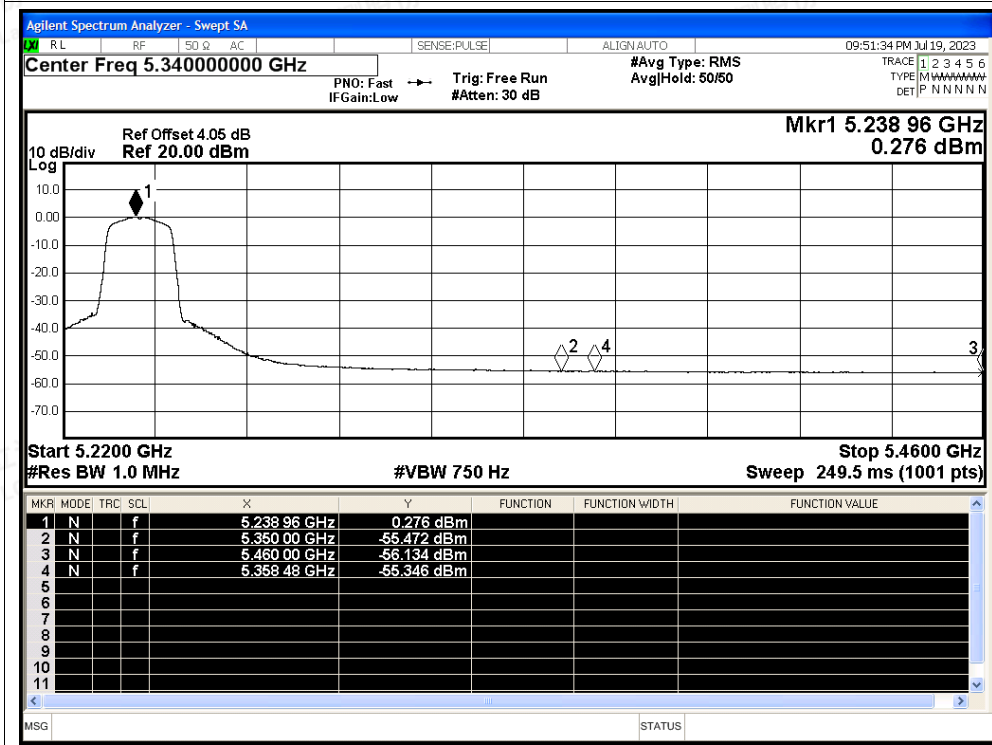


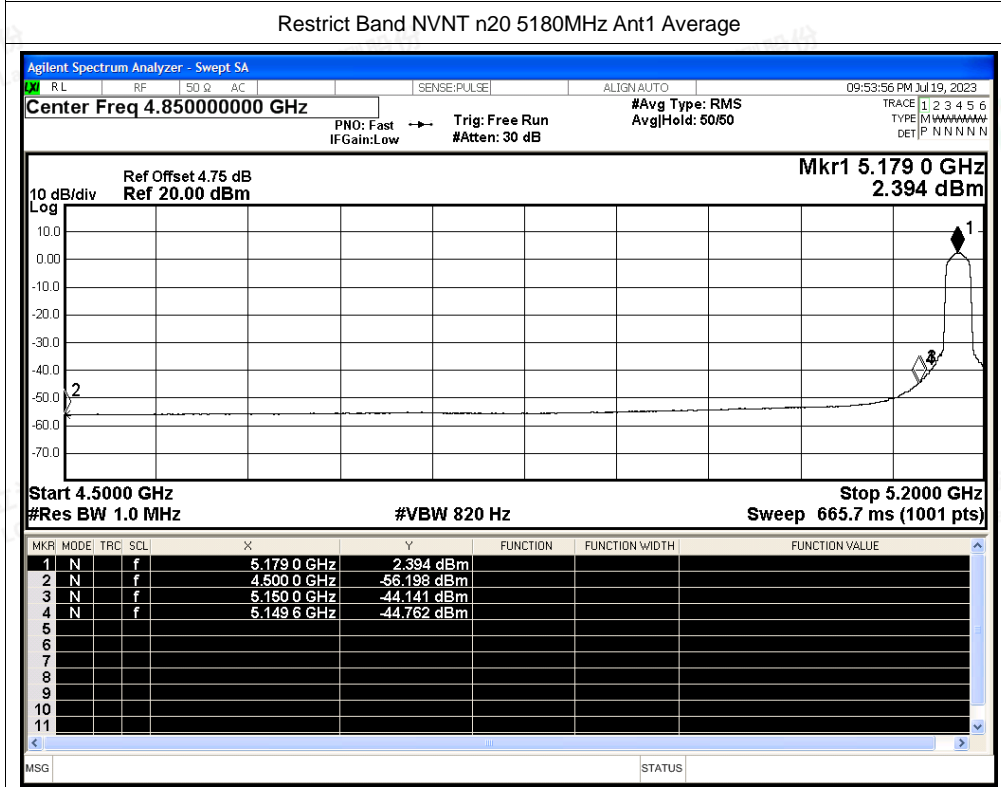
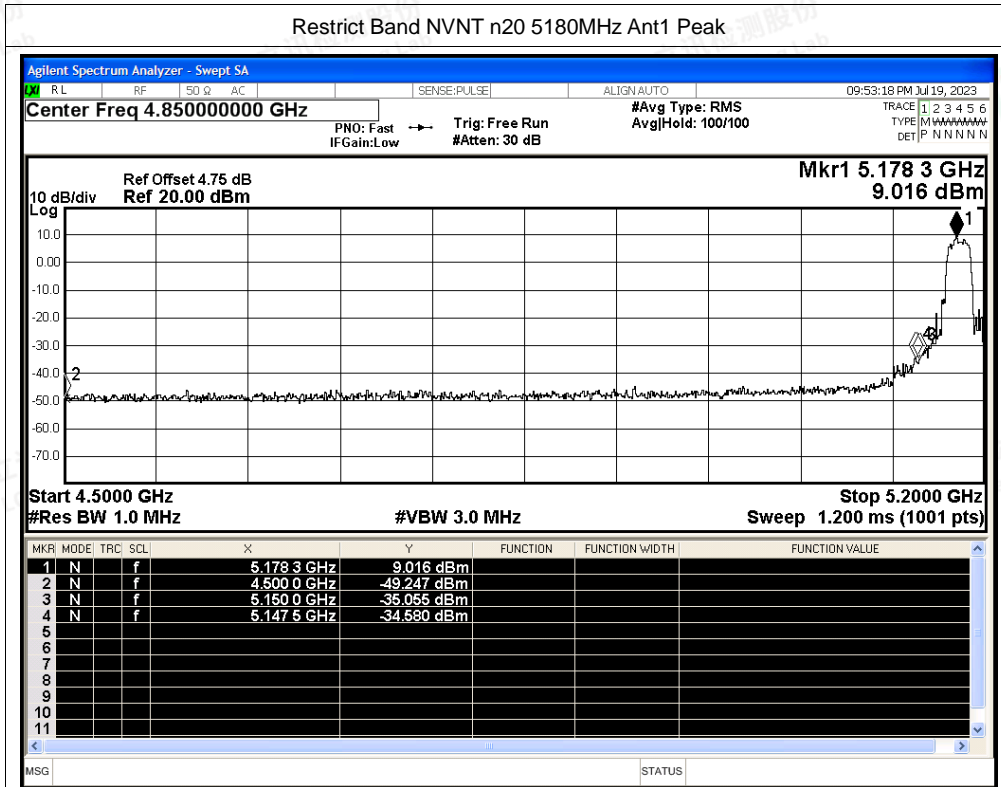


Restrict Band NVNT a 5240MHz Ant1 Peak



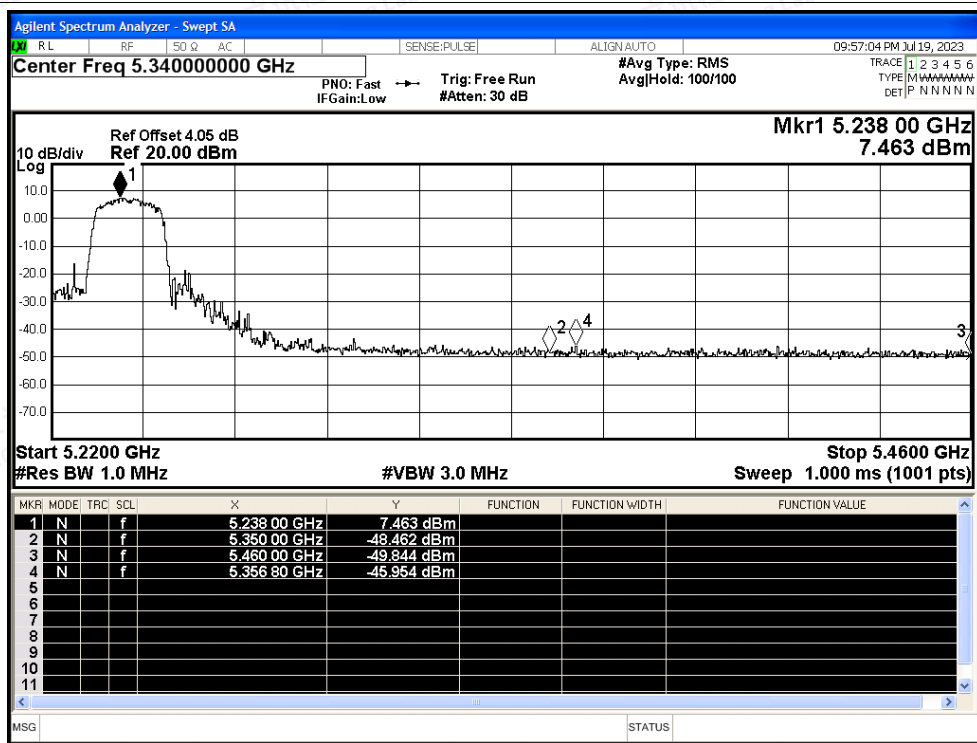
Restrict Band NVNT a 5240MHz Ant1 Average



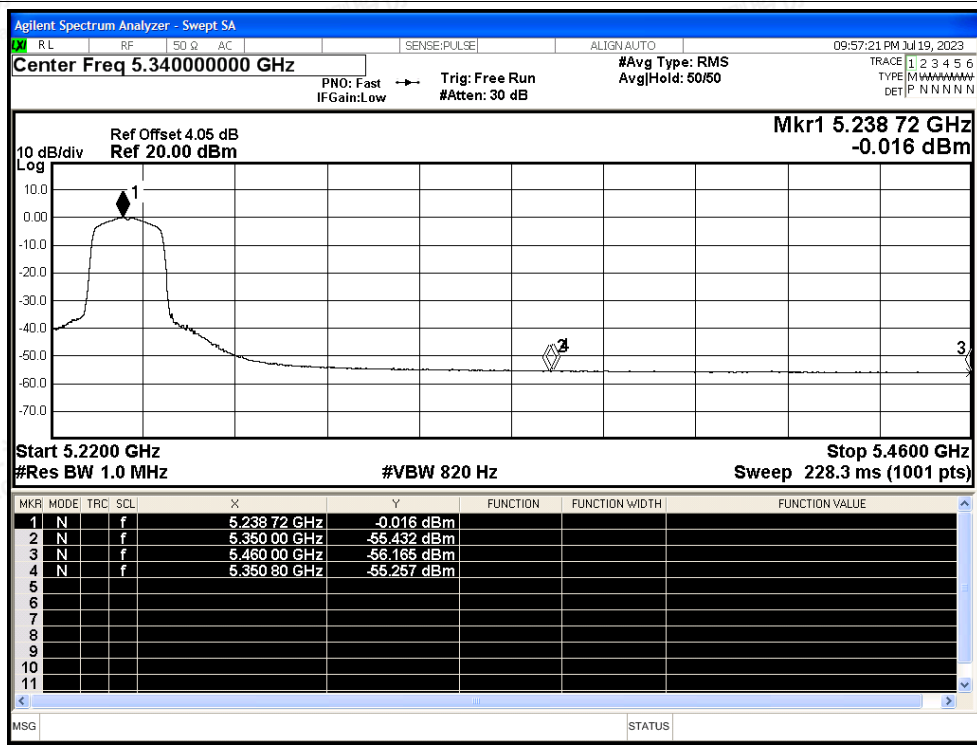


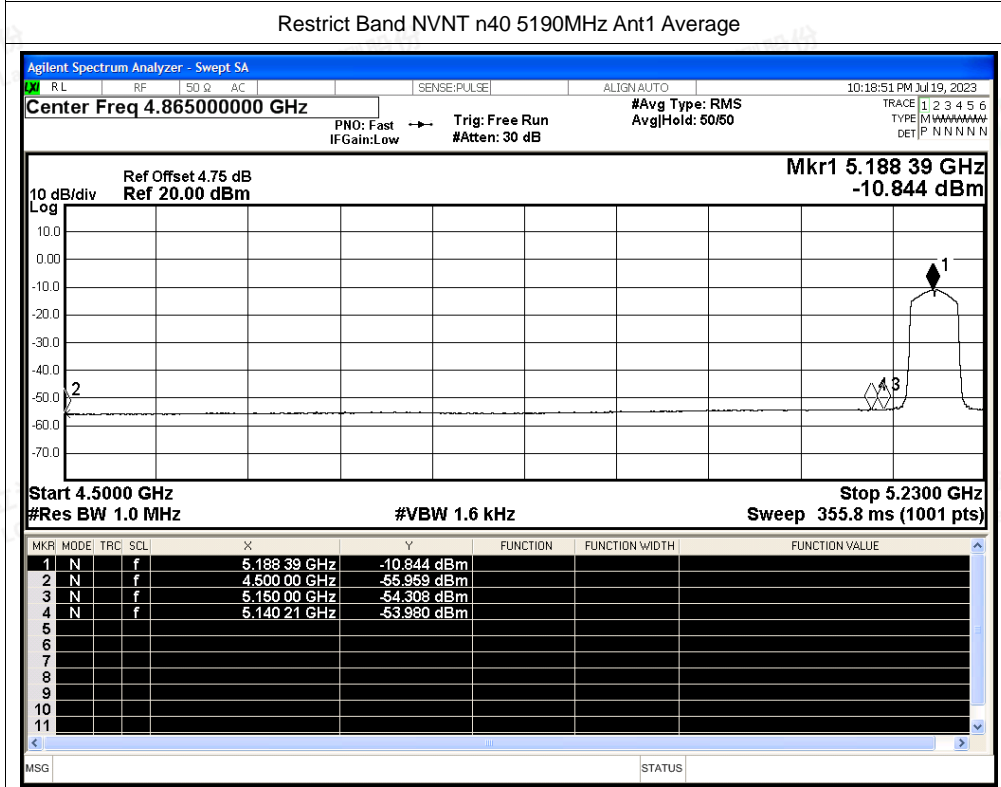
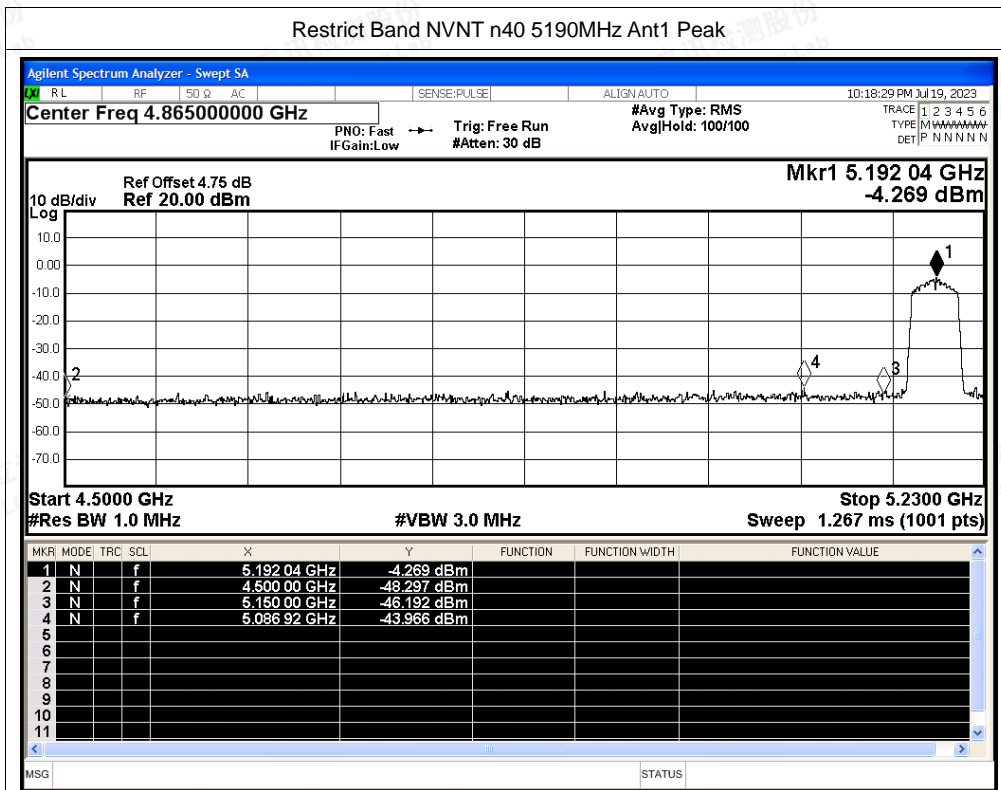


Restrict Band NVNT n20 5240MHz Ant1 Peak



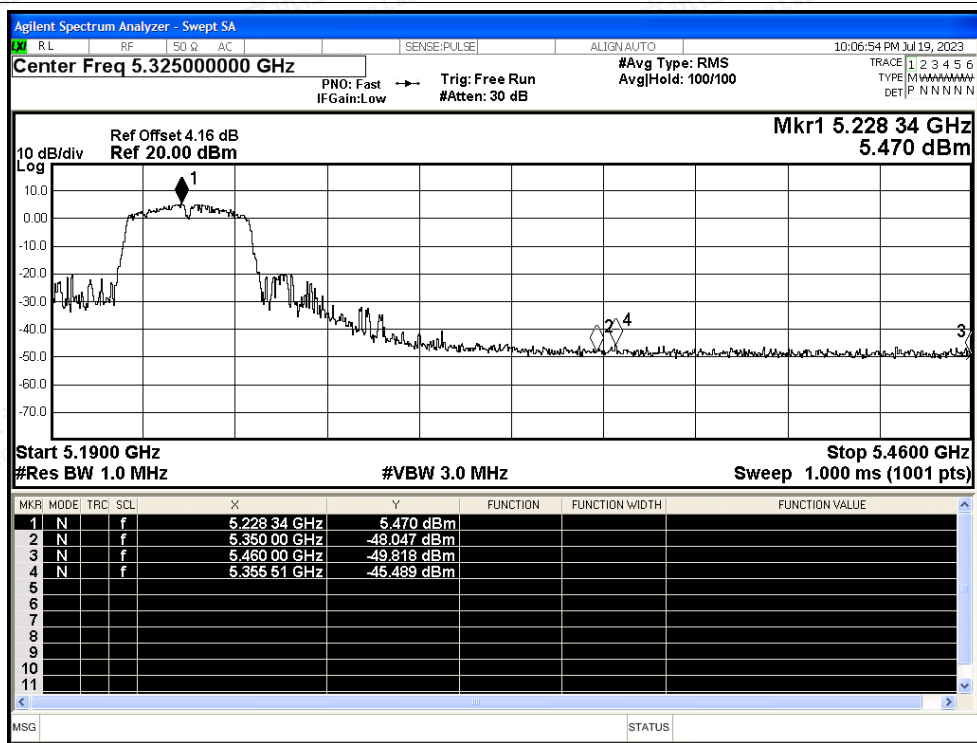
Restrict Band NVNT n20 5240MHz Ant1 Average



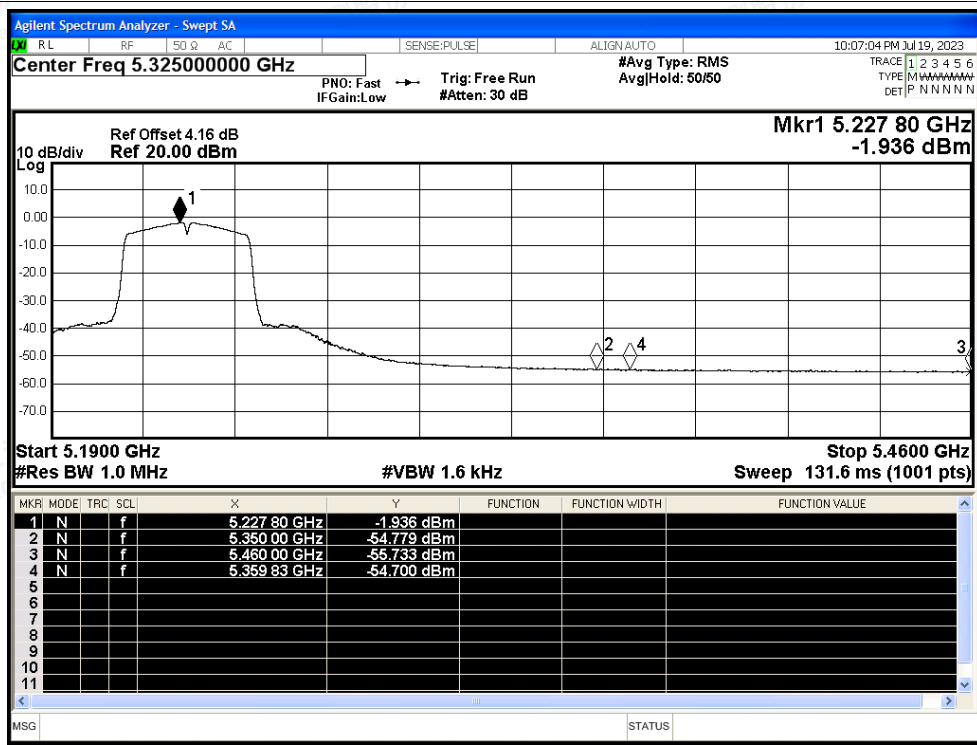


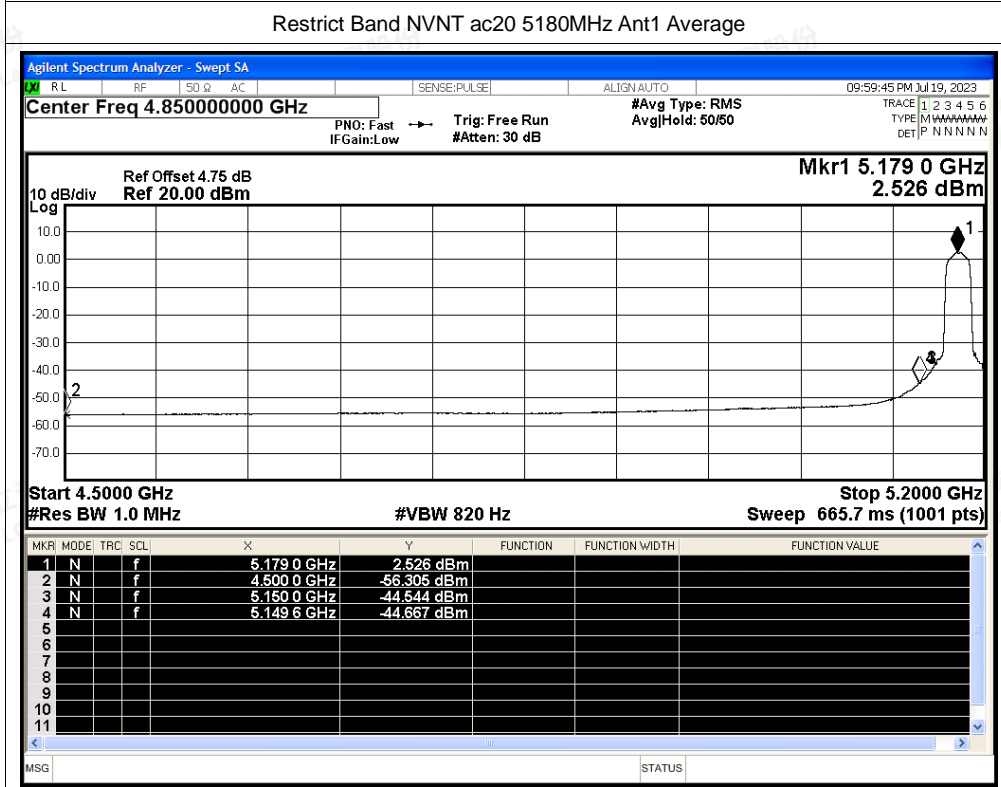
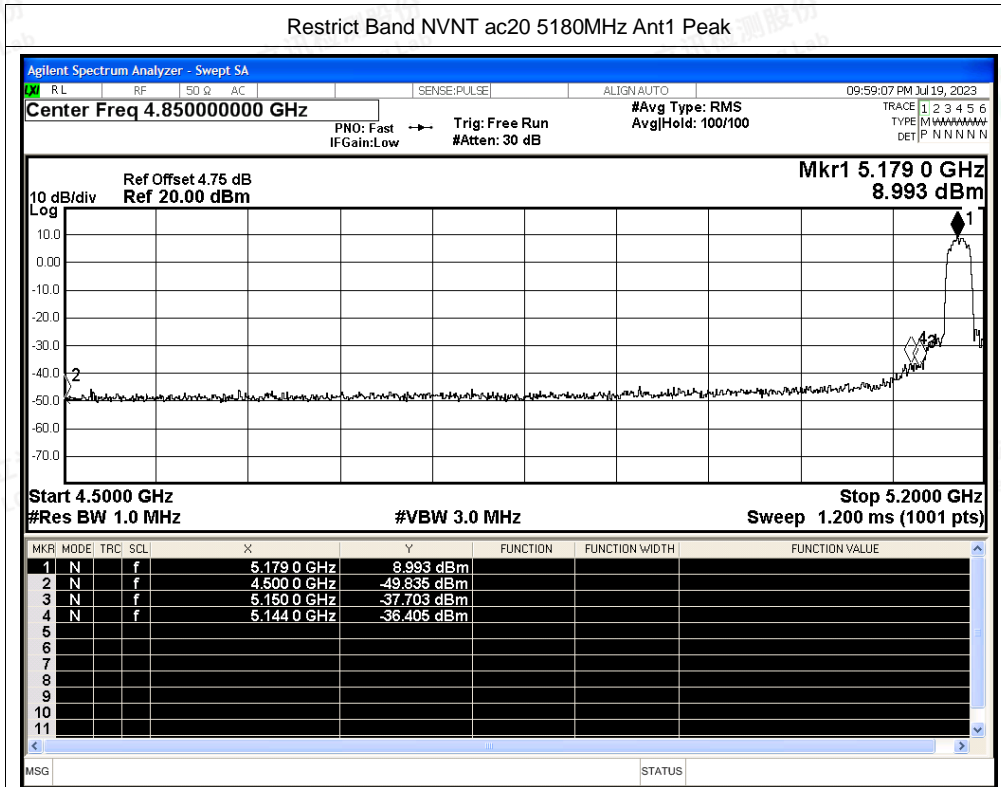


Restrict Band NVNT n40 5230MHz Ant1 Peak



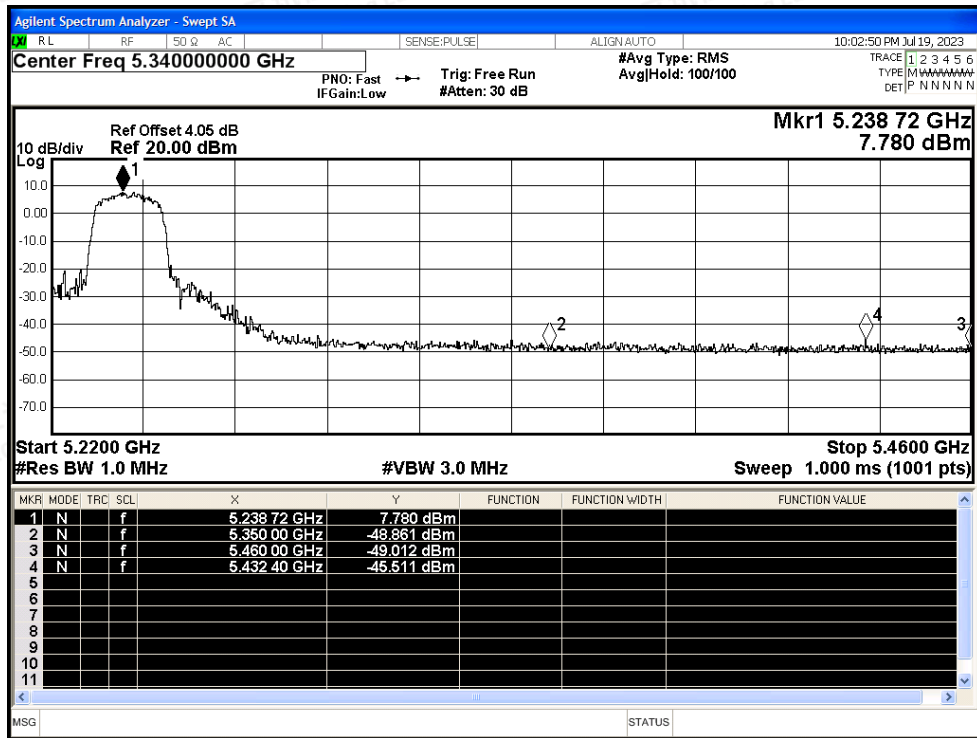
Restrict Band NVNT n40 5230MHz Ant1 Average



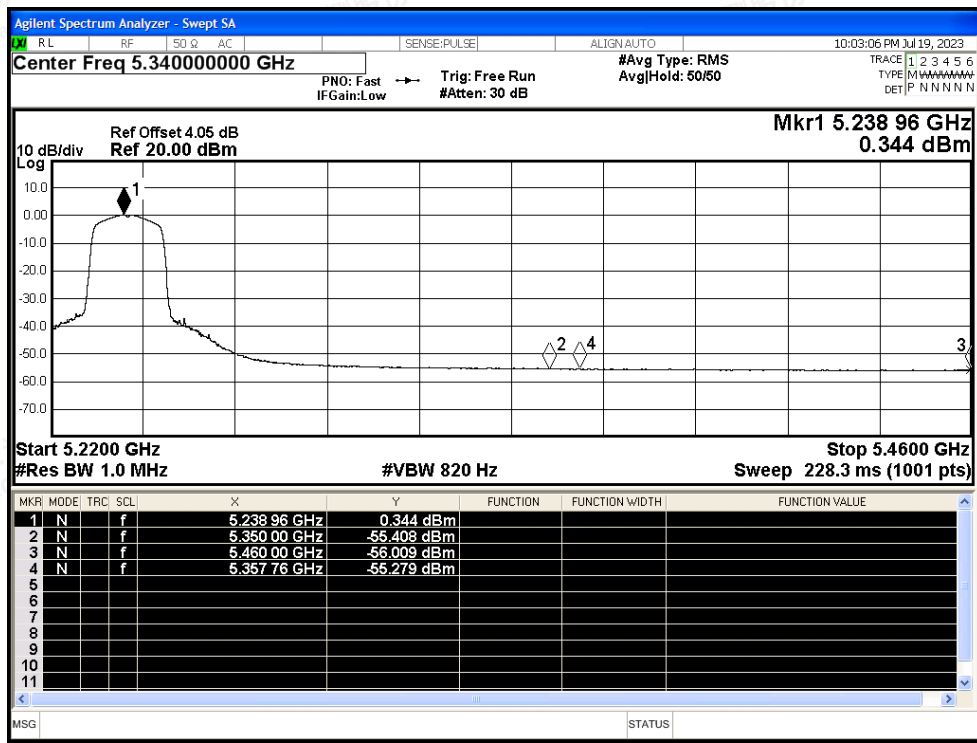




Restrict Band NVNT ac20 5240MHz Ant1 Peak

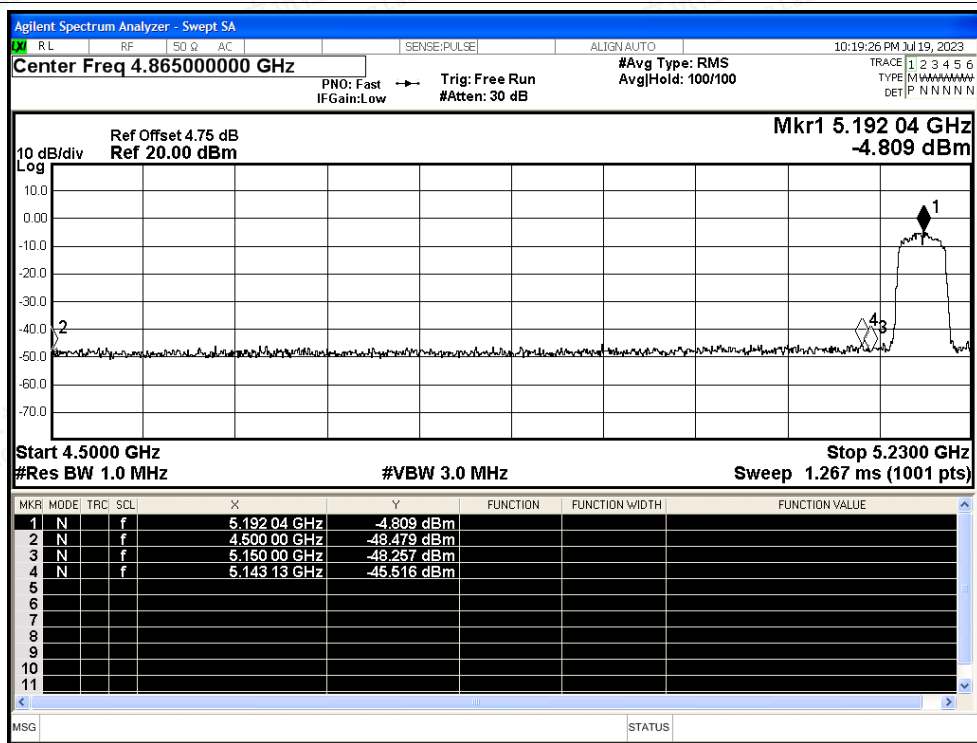


Restrict Band NVNT ac20 5240MHz Ant1 Average

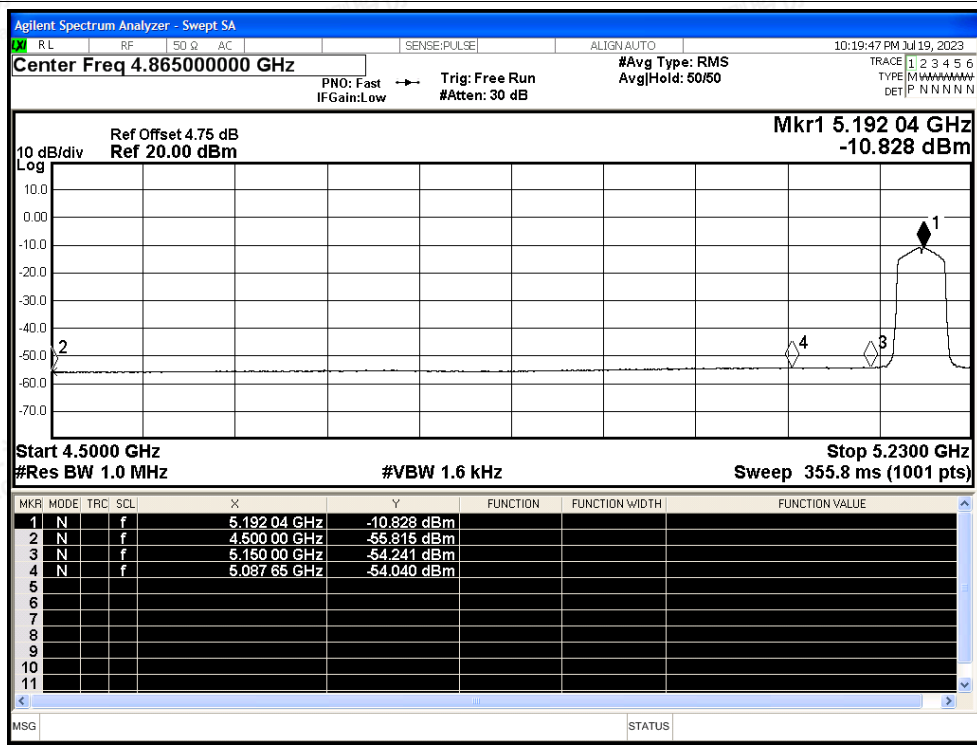




Restrict Band NVNT ac40 5190MHz Ant1 Peak

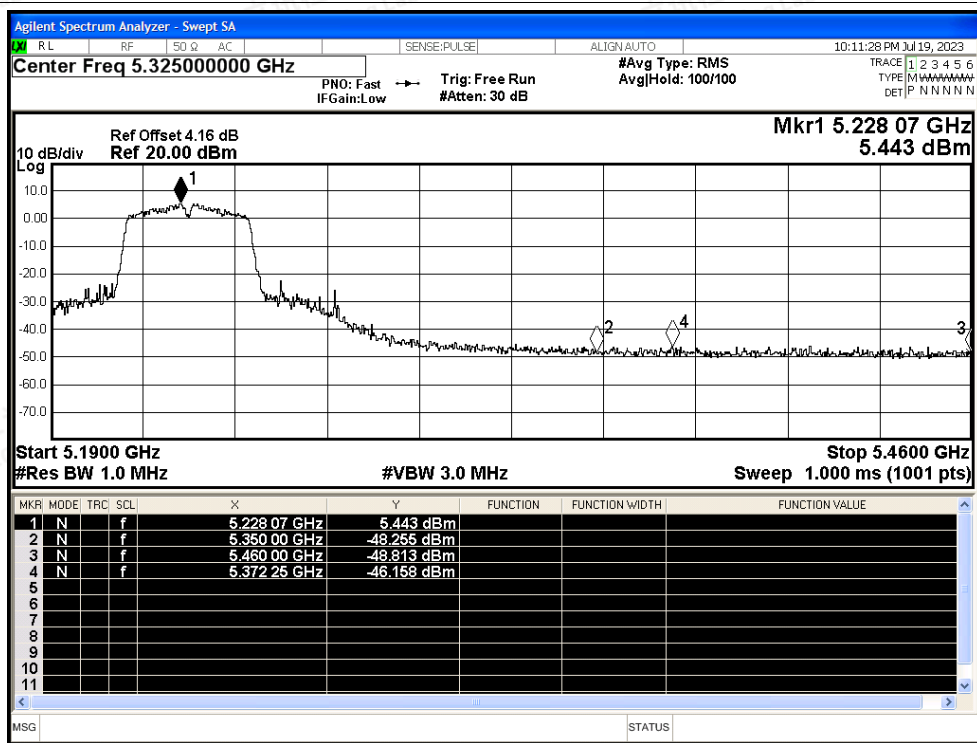


Restrict Band NVNT ac40 5190MHz Ant1 Average

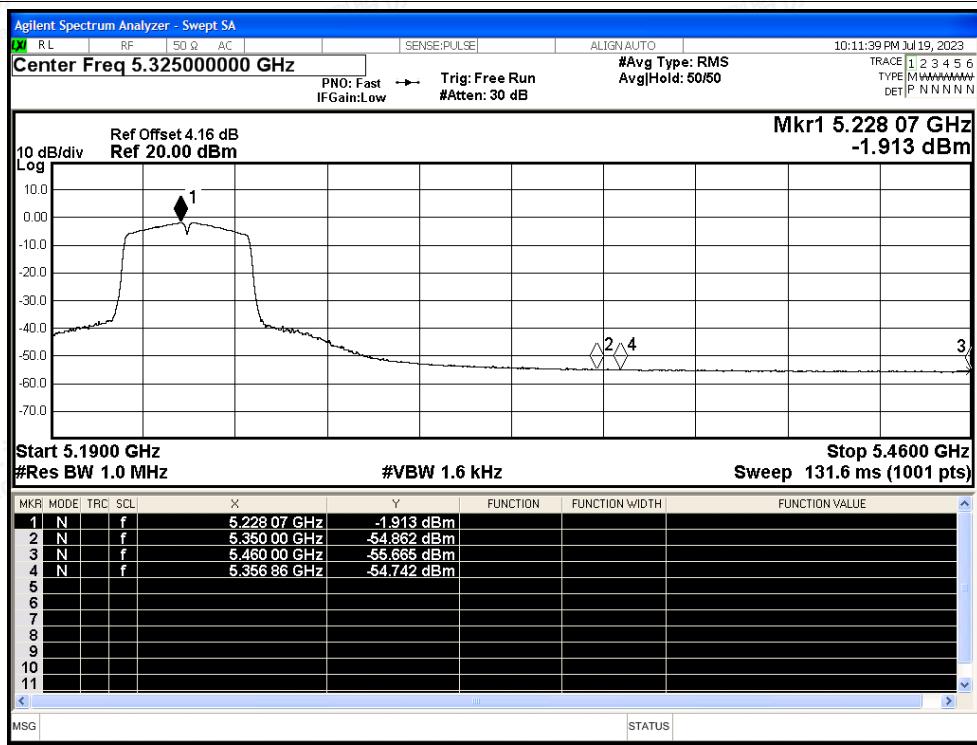




Restrict Band NVNT ac40 5230MHz Ant1 Peak

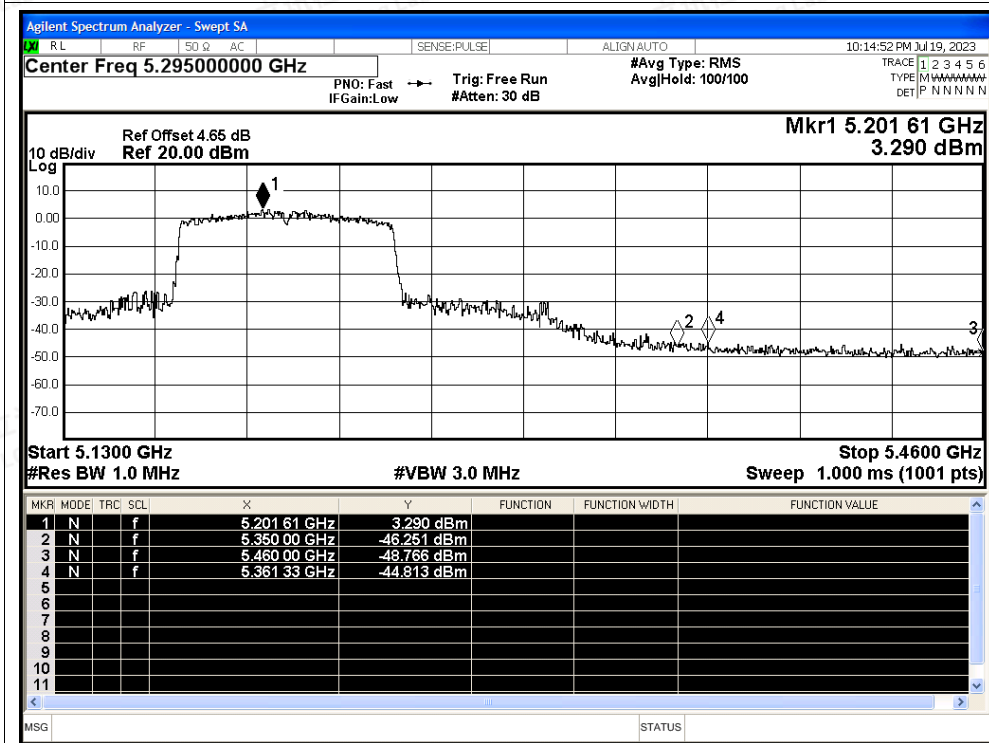


Restrict Band NVNT ac40 5230MHz Ant1 Average

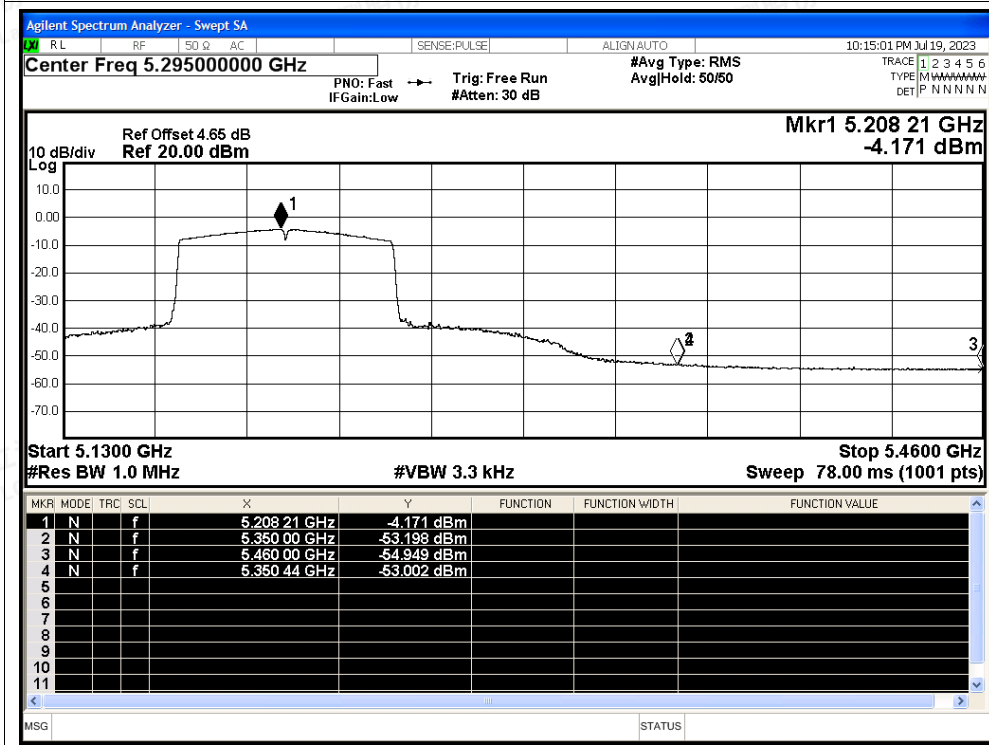




Restrict Band NVNT ac80 5210MHz Ant1 Peak

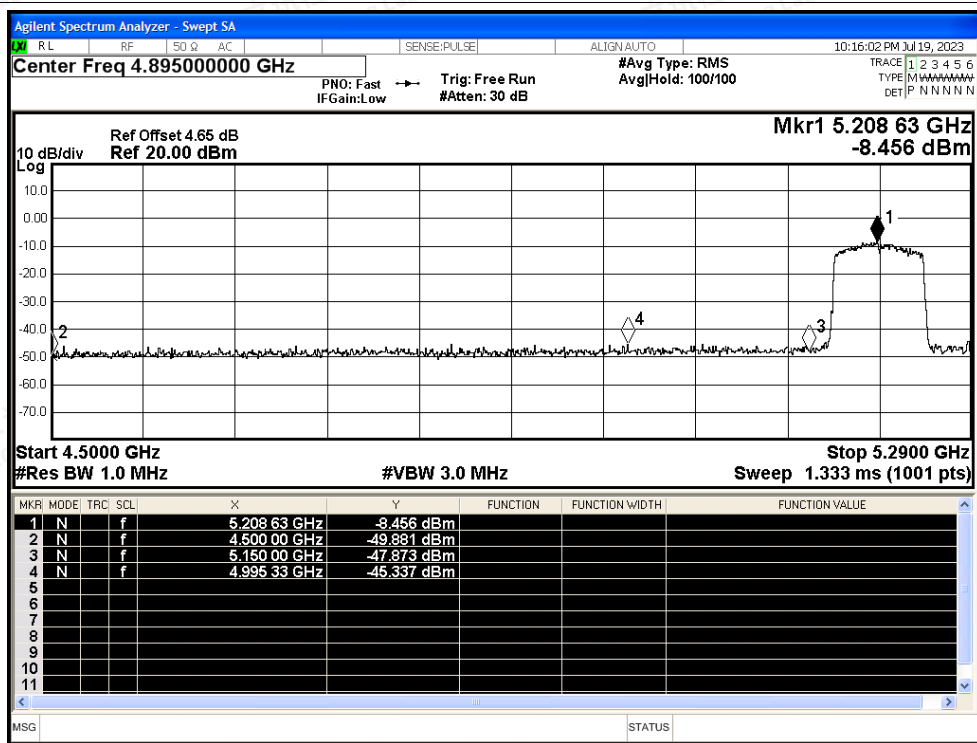


Restrict Band NVNT ac80 5210MHz Ant1 Average

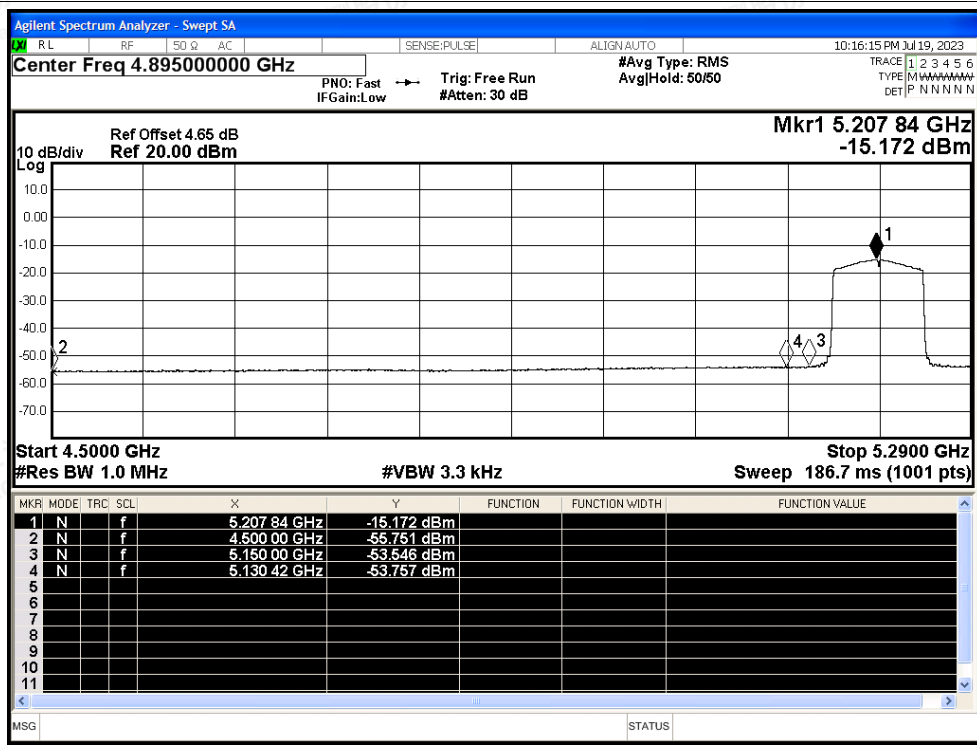




Restrict Band NVNT ac80 5210MHz Ant1 Peak



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	Ant1	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant1	5230.04	40000	7.65	25	Pass
NVNT	ac20	5180	Ant1	5179.98	-20000	-3.86	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	5230	0	0	25	Pass
NVNT	ac80	5210	Ant1	5209.92	-80000	-15.36	25	Pass

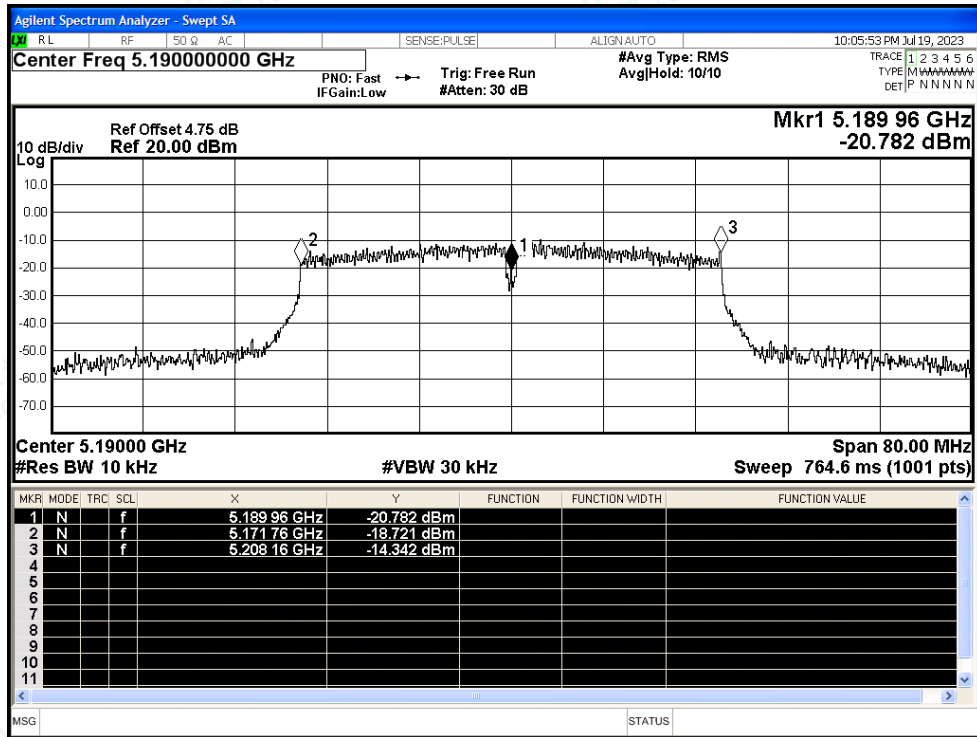


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Scan code to check authenticity

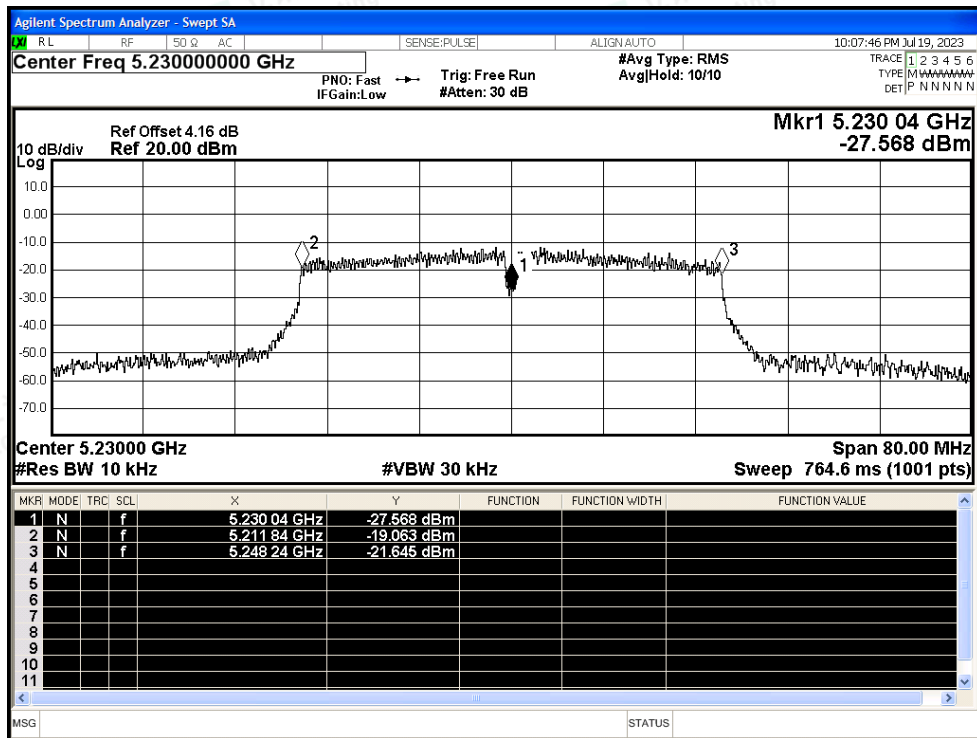


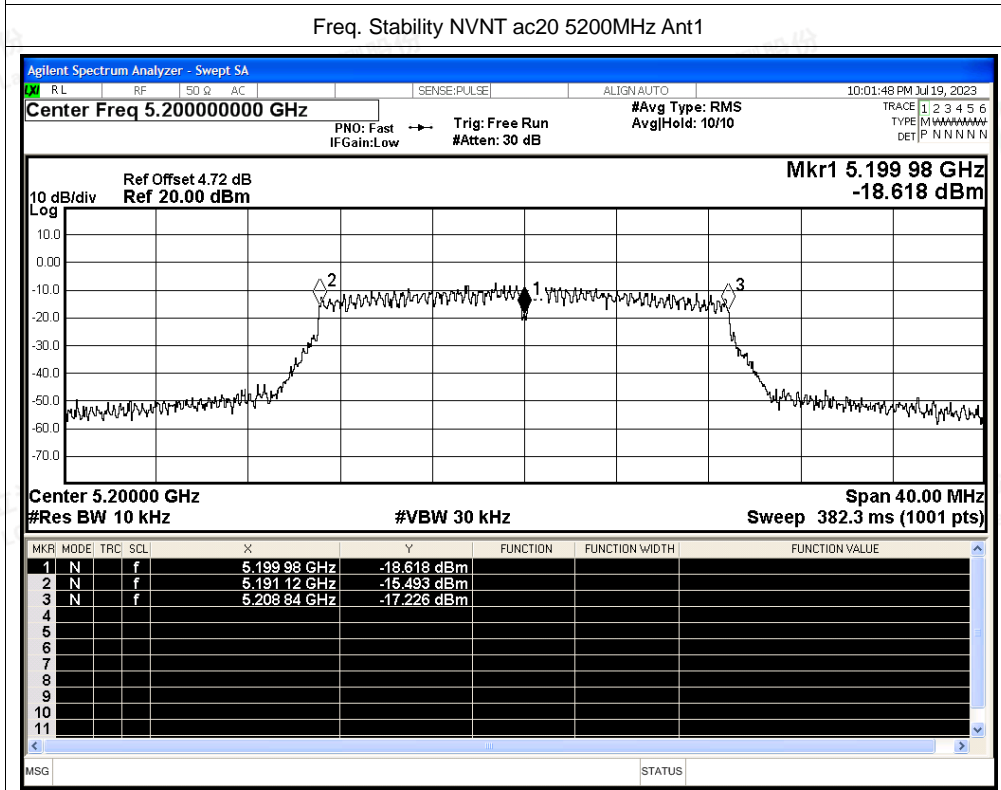
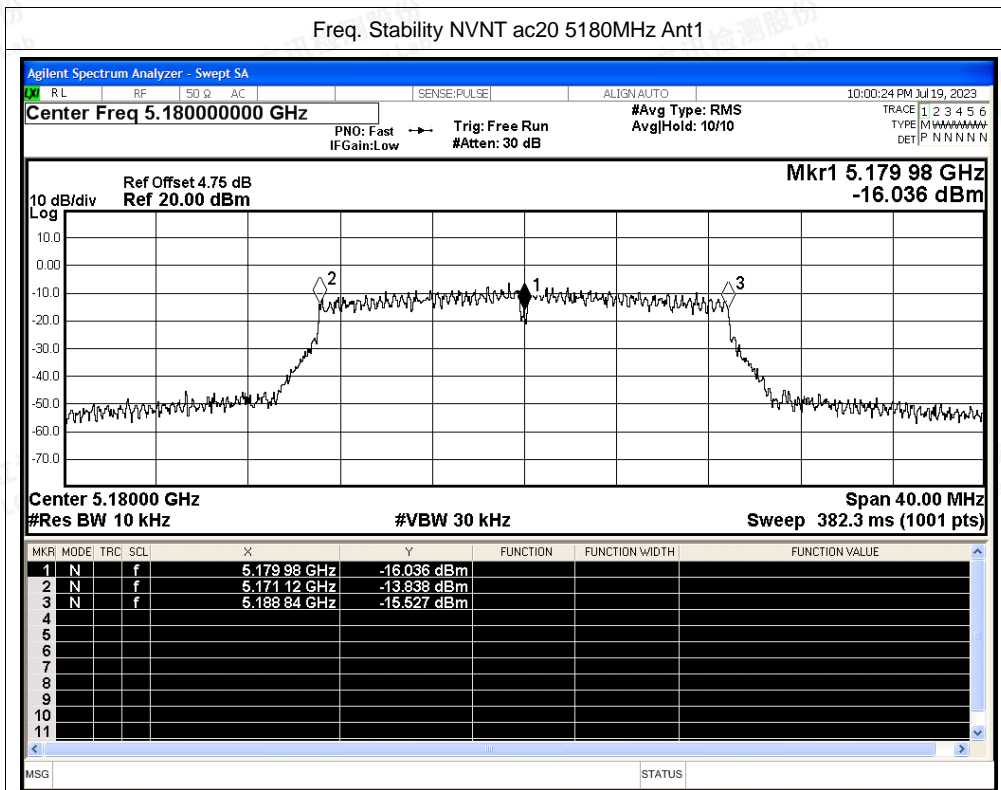
Test Graphs

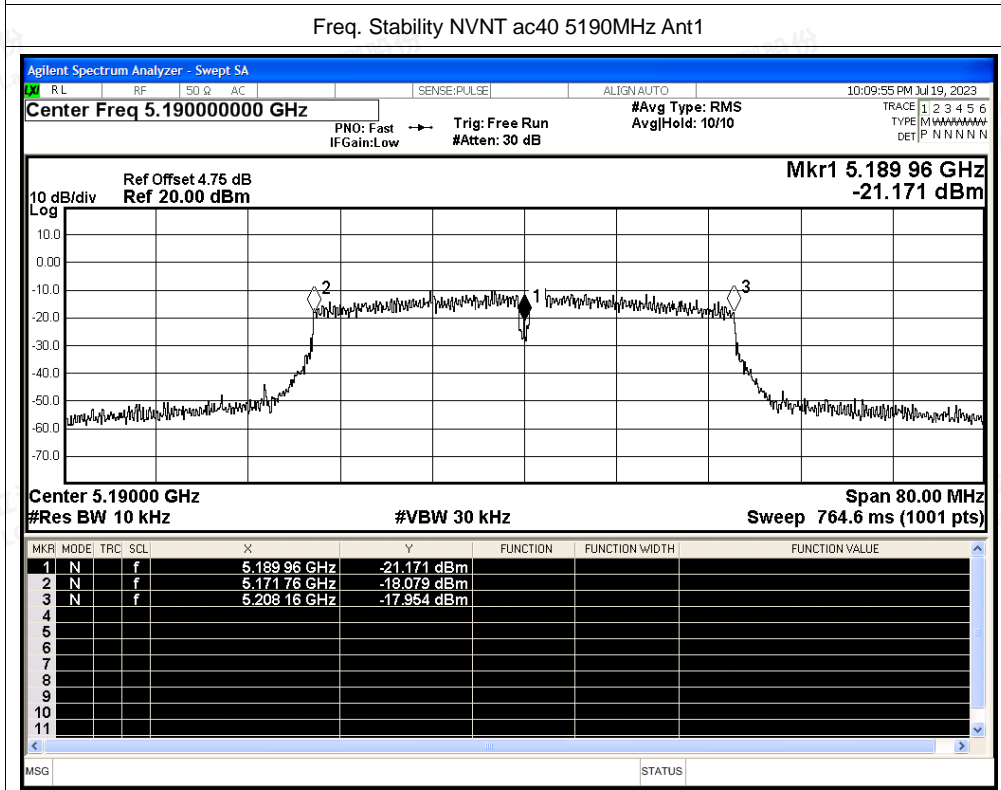
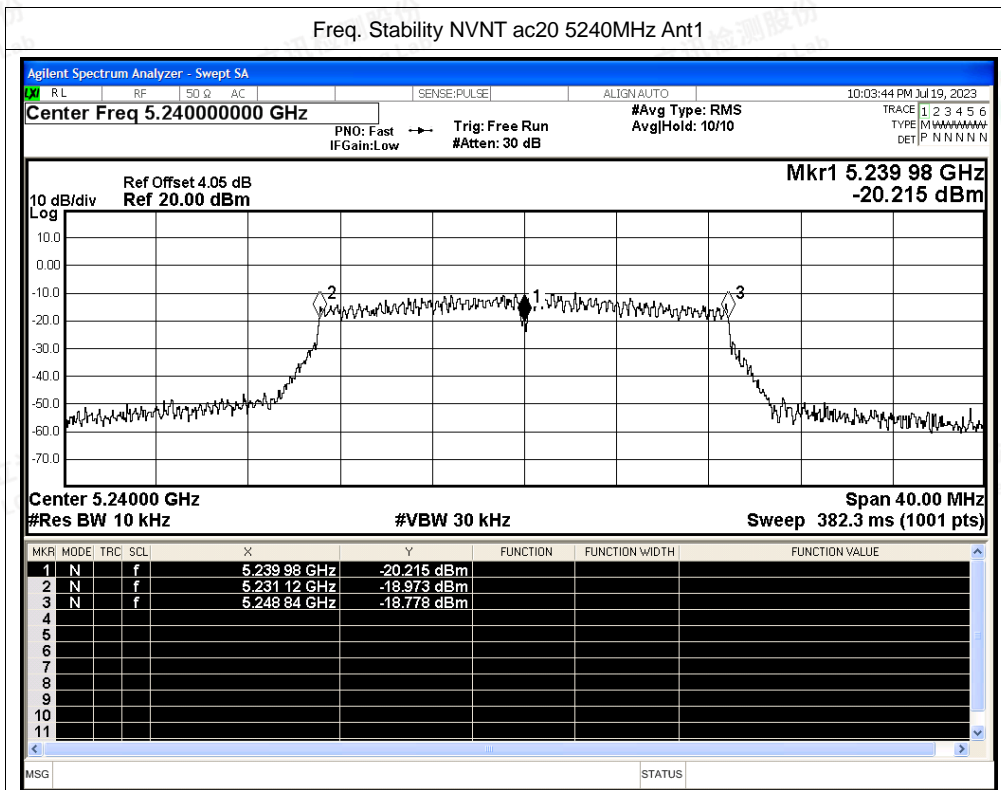
Freq. Stability NVNT n40 5190MHz Ant1



Freq. Stability NVNT n40 5230MHz Ant1

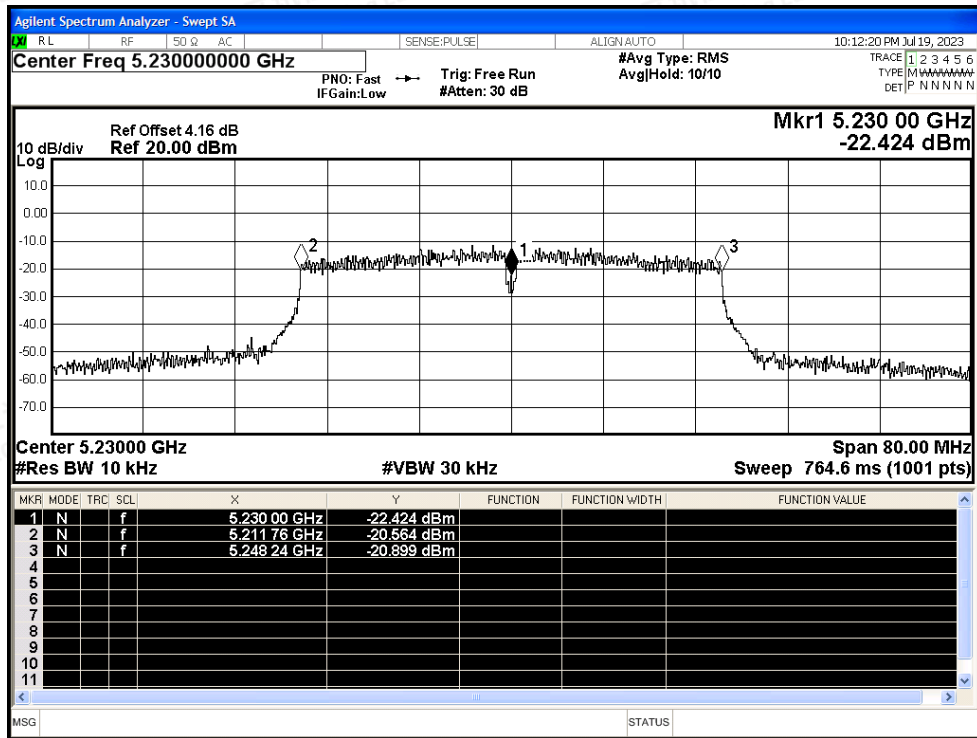




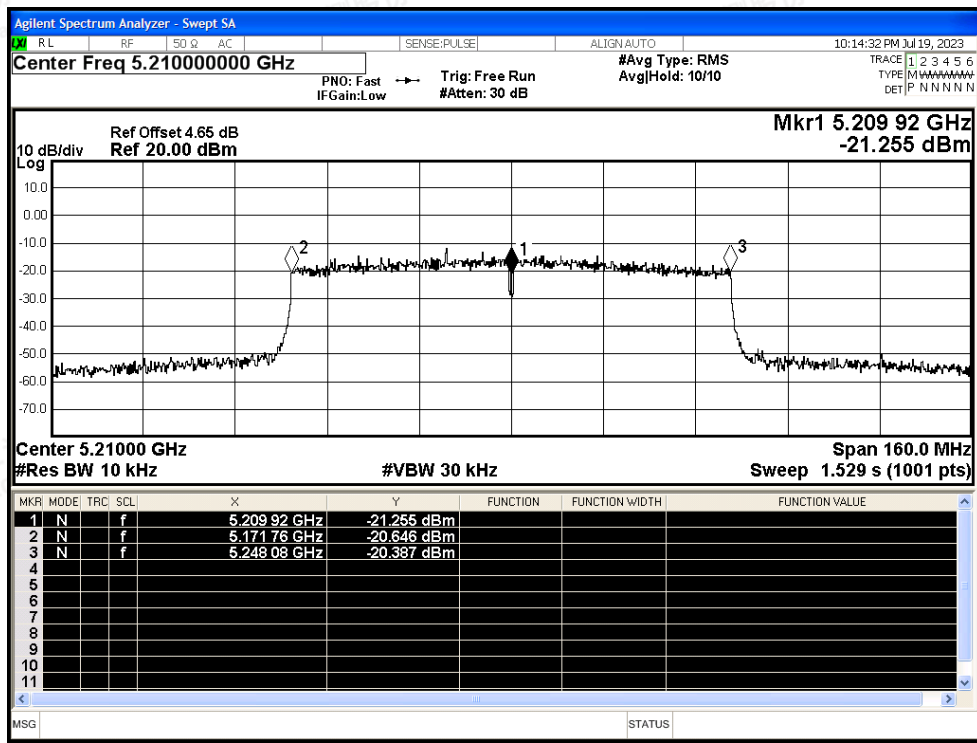




Freq. Stability NVNT ac40 5230MHz Ant1



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	Ant1	96.94	0.13	0.72
NVNT	a	5200	Ant1	97.01	0.13	0.72
NVNT	a	5240	Ant1	96.94	0.13	0.72
NVNT	n20	5180	Ant1	96.88	0.14	0.77
NVNT	n20	5200	Ant1	96.8	0.14	0.77
NVNT	n20	5240	Ant1	96.73	0.14	0.77
NVNT	n40	5190	Ant1	93.93	0.27	1.54
NVNT	n40	5230	Ant1	93.79	0.28	1.54
NVNT	ac20	5180	Ant1	96.86	0.14	0.76
NVNT	ac20	5200	Ant1	96.83	0.14	0.76
NVNT	ac20	5240	Ant1	96.76	0.14	0.76
NVNT	ac40	5190	Ant1	93.97	0.27	1.53
NVNT	ac40	5230	Ant1	93.82	0.28	1.53
NVNT	ac80	5210	Ant1	88.35	0.54	3.07

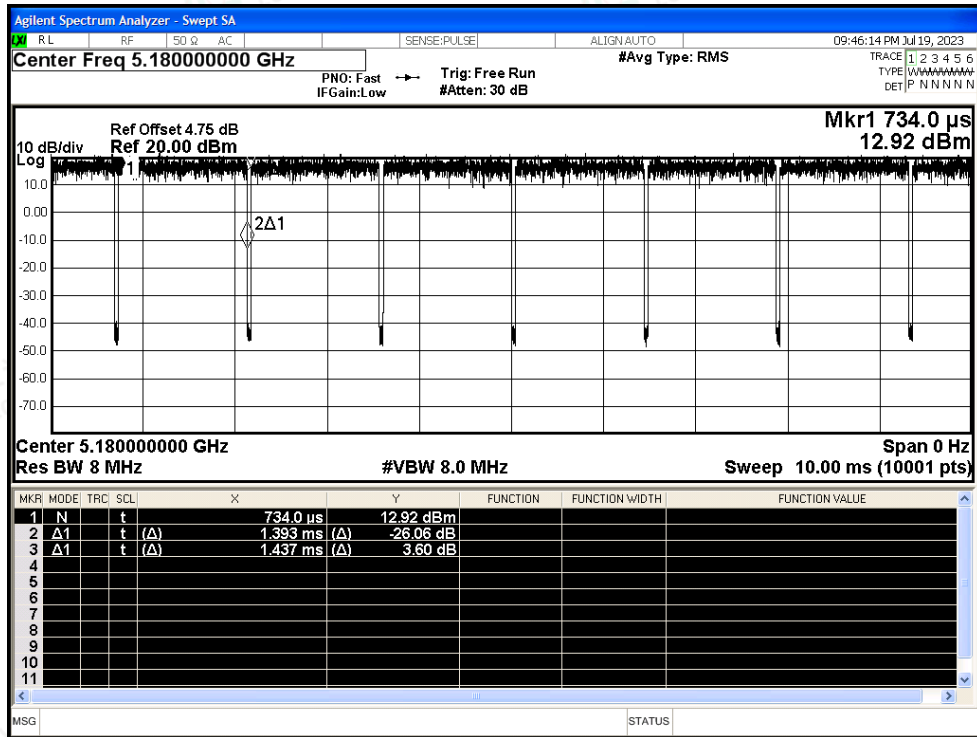


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 Scan code to check authenticity

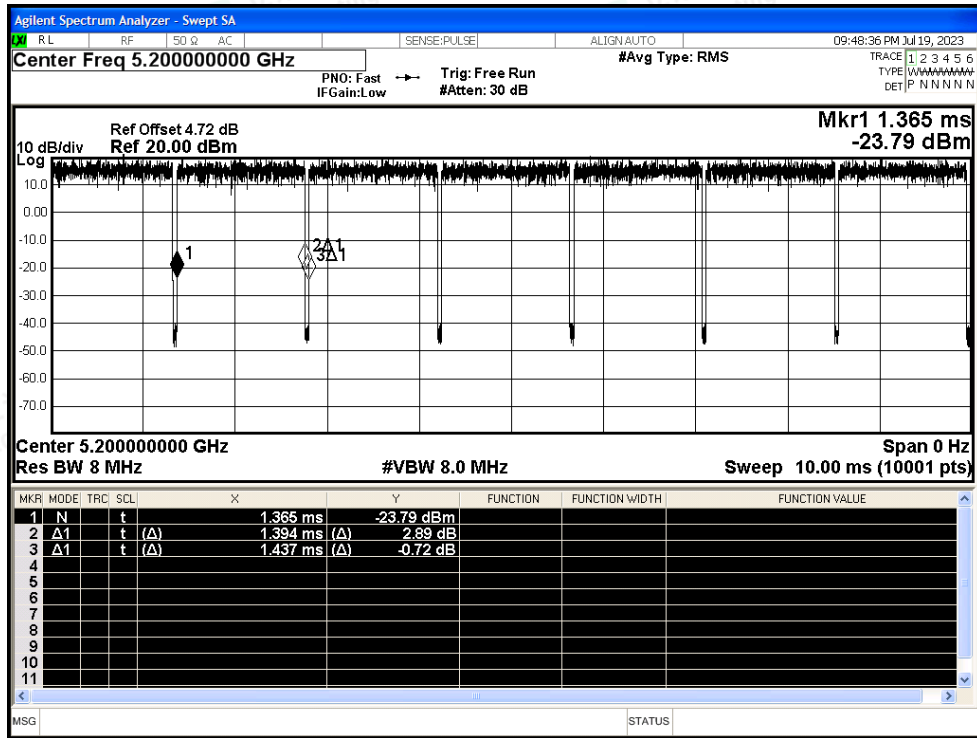


Test Graphs

Duty Cycle NVNT a 5180MHz Ant1

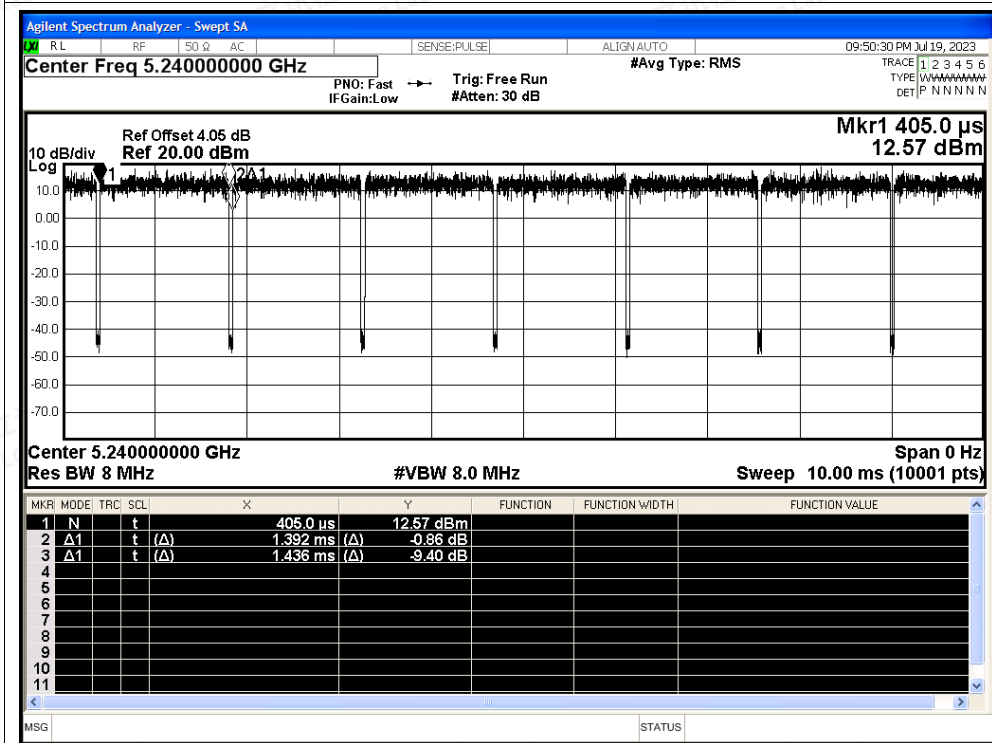


Duty Cycle NVNT a 5200MHz Ant1

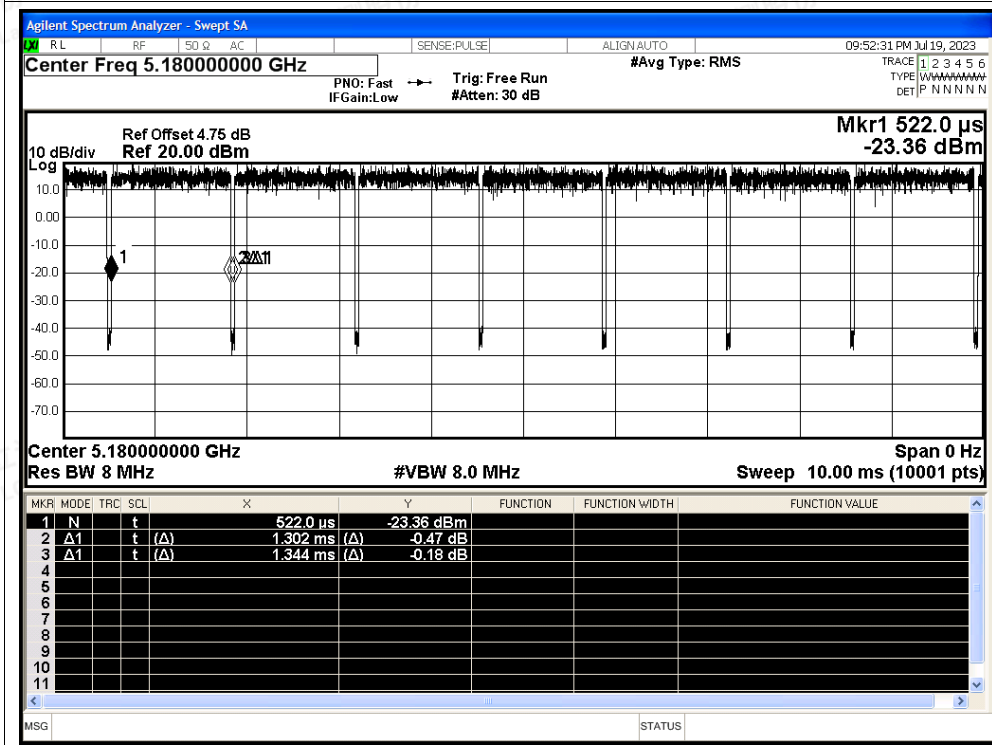


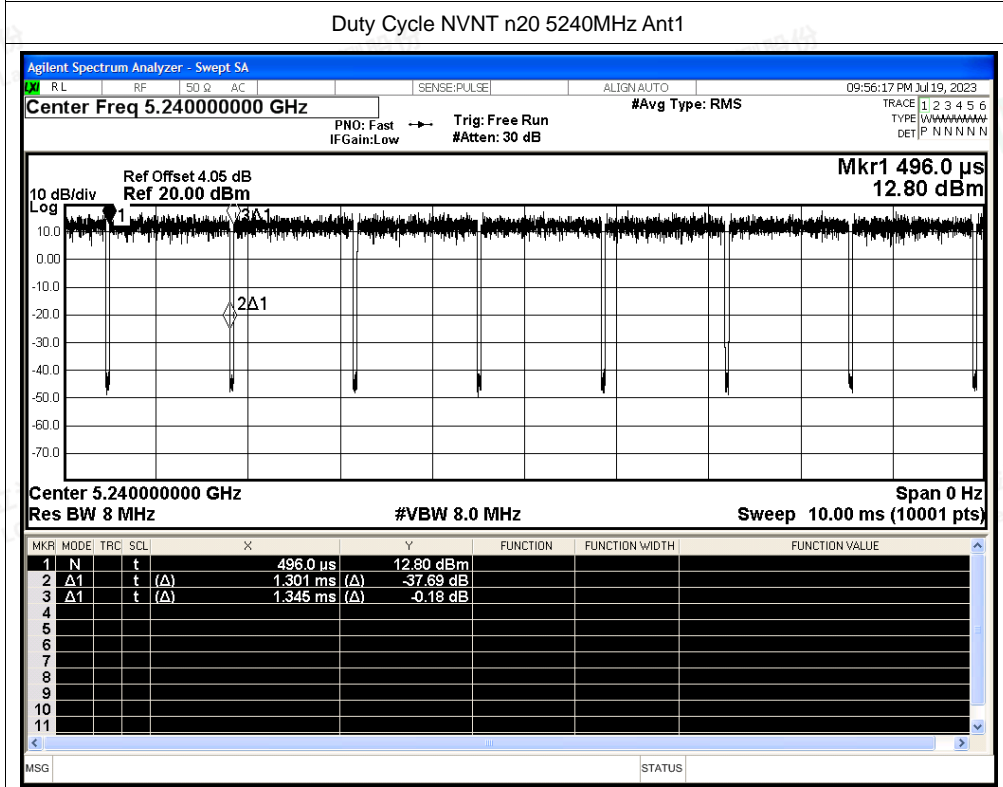
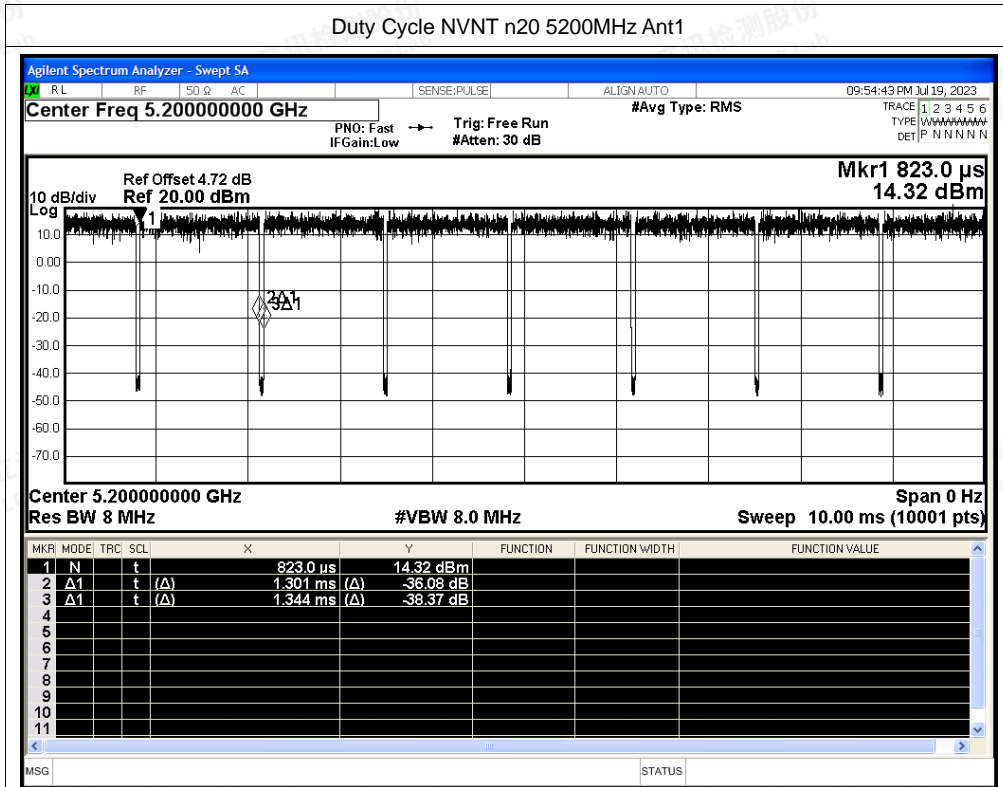


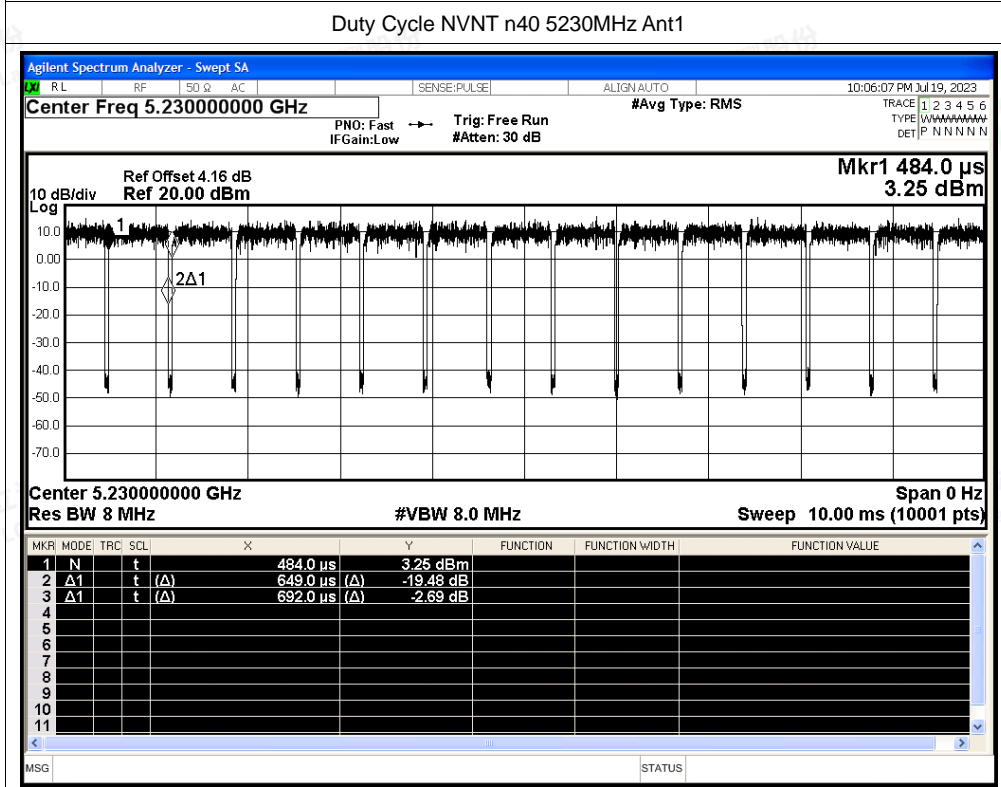
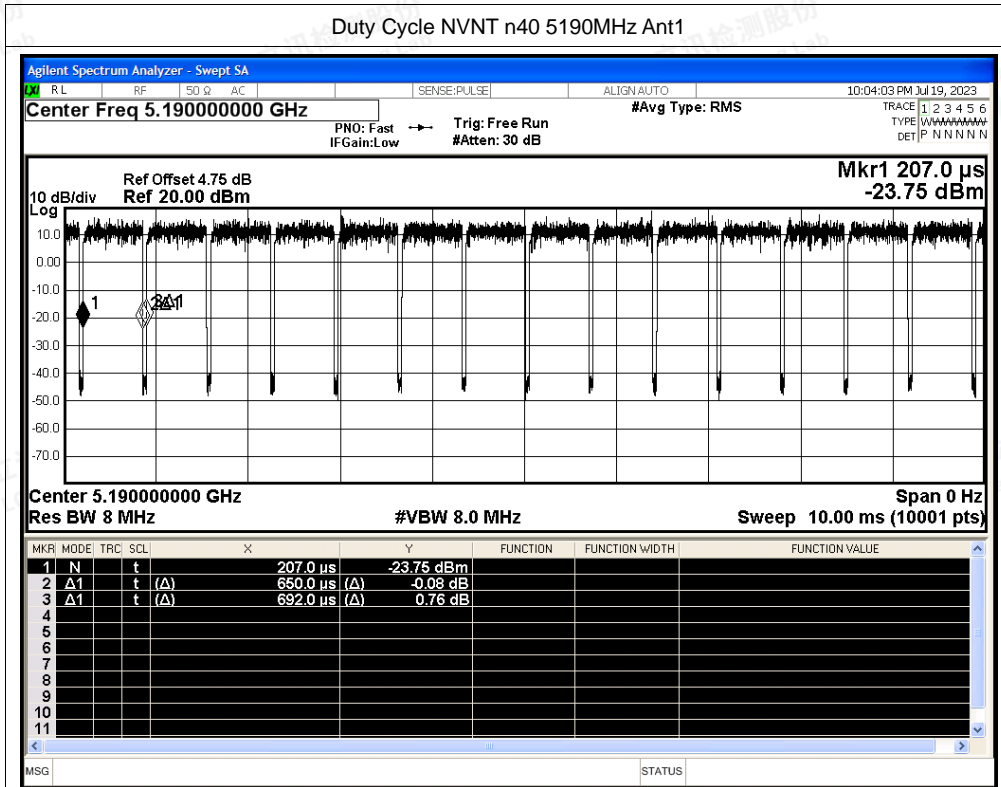
Duty Cycle NVNT a 5240MHz Ant1



Duty Cycle NVNT n20 5180MHz Ant1

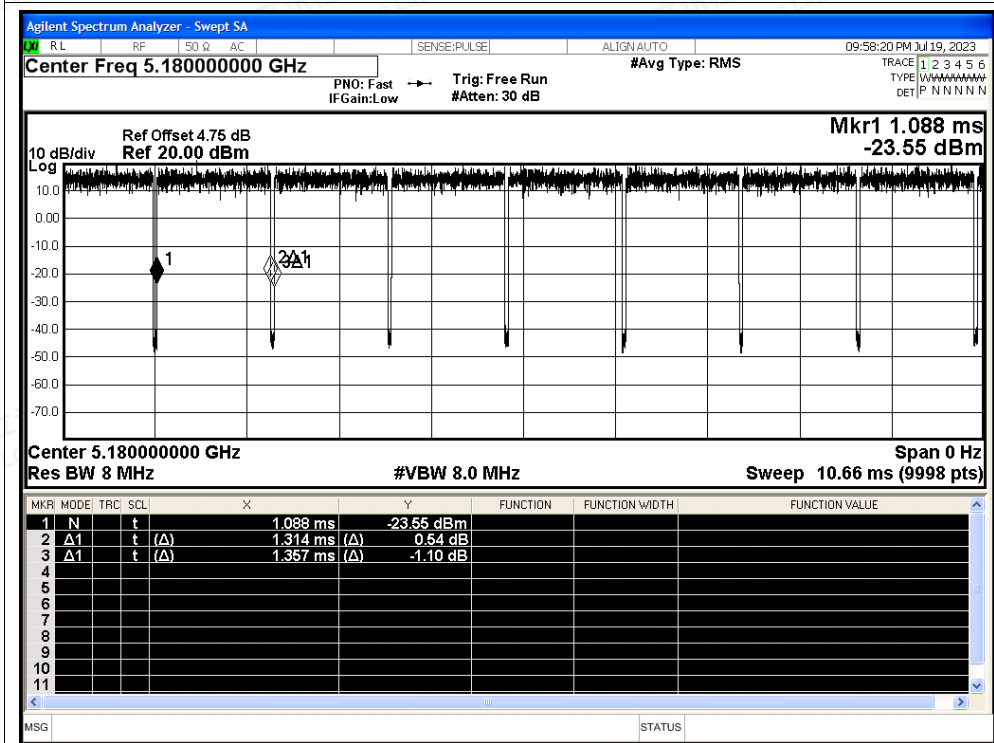




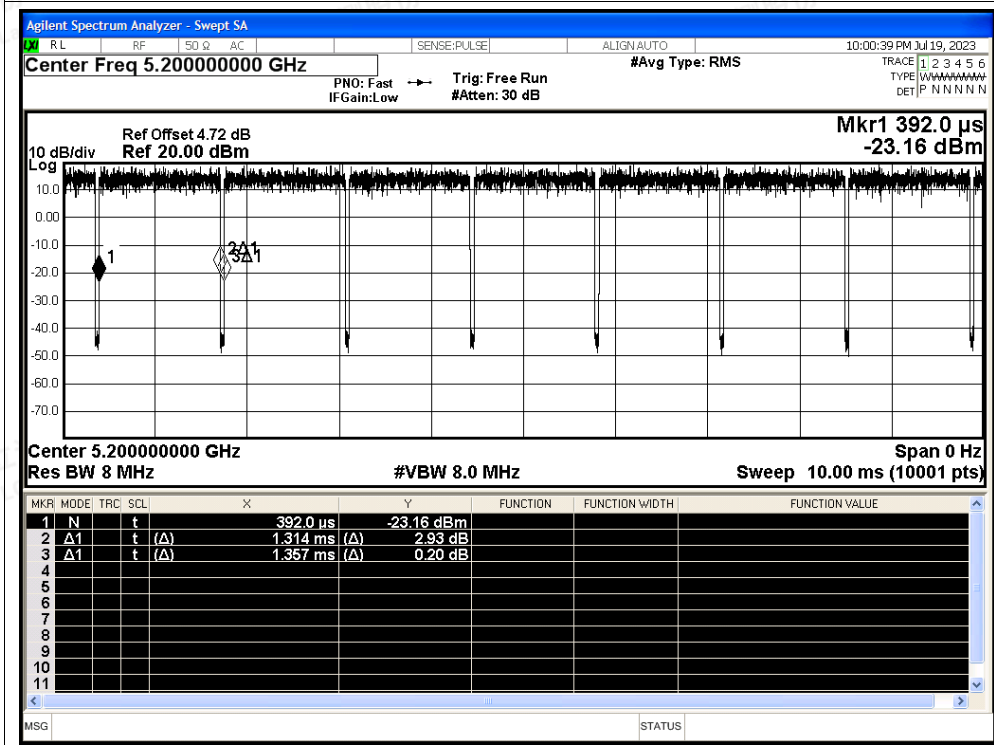


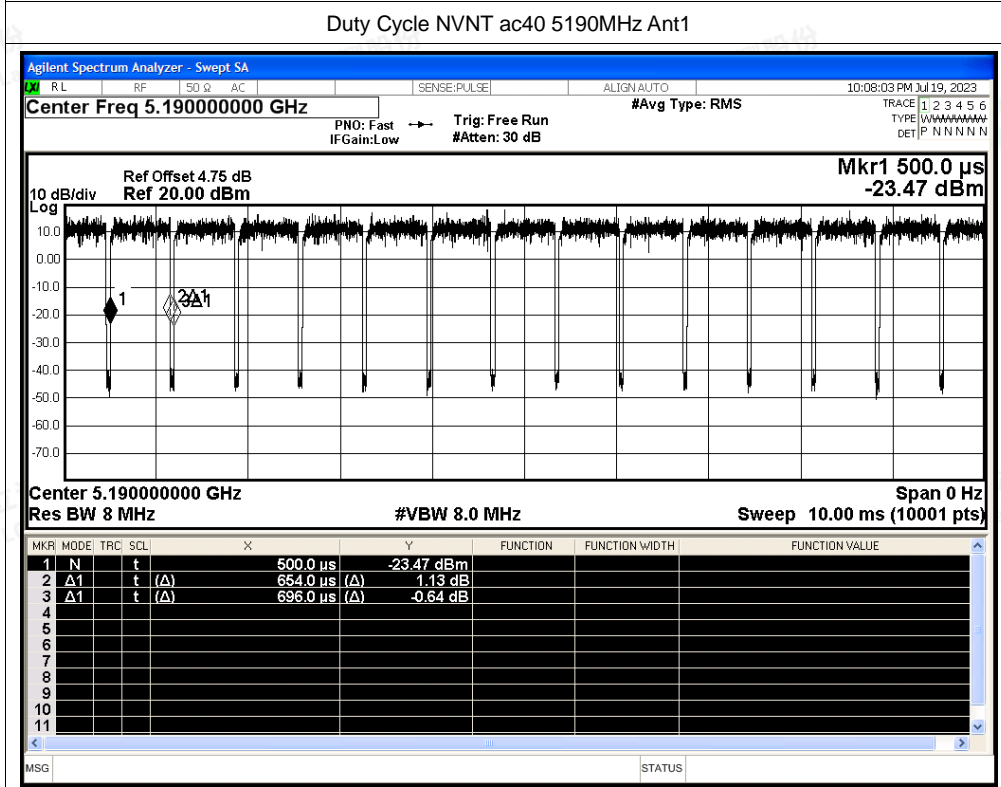
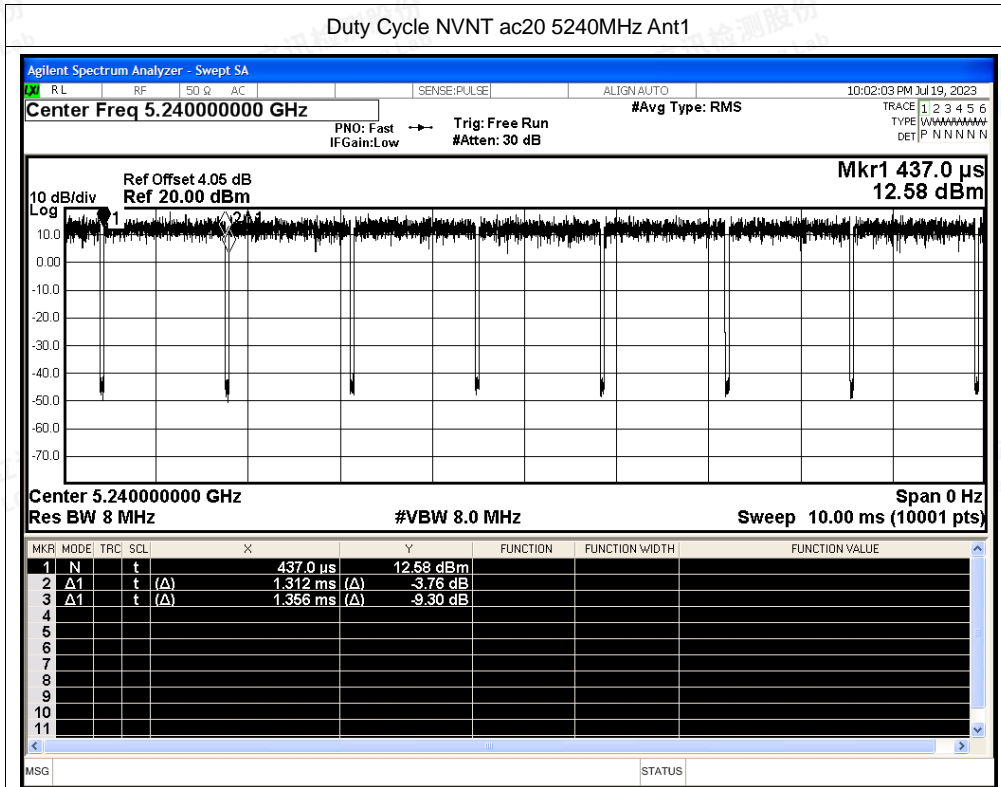


Duty Cycle NVNT ac20 5180MHz Ant1



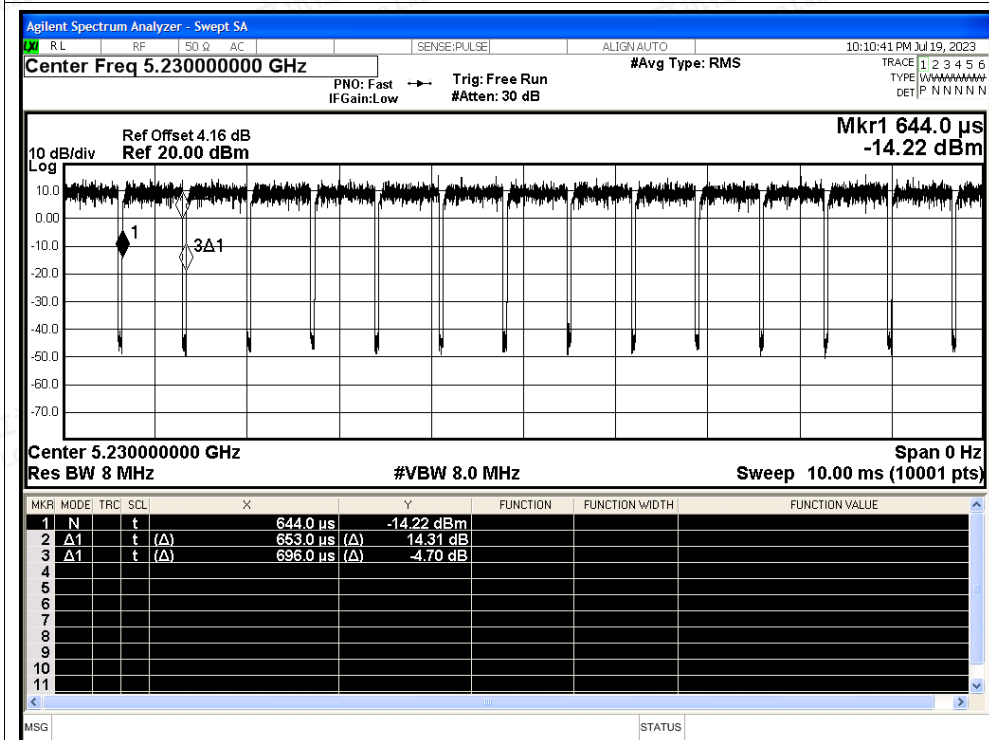
Duty Cycle NVNT ac20 5200MHz Ant1







Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1

