



### D.4 Restrict Band

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	4500	-48.72	2	-	48.54	Peak	68.2	Pass
NVNT	a	5180	4500	-57.61	2	0.24	39.65	Average	54	Pass
NVNT	a	5180	4931.9	-44.81	2	-	52.45	Peak	68.2	Pass
NVNT	a	5180	5146.8	-54.03	2	0.24	43.23	Average	54	Pass
NVNT	a	5180	5150	-44.9	2	-	52.36	Peak	68.2	Pass
NVNT	a	5180	5150	-55.07	2	0.24	42.19	Average	54	Pass
NVNT	a	5240	5350	-49.9	2	-	47.36	Peak	68.2	Pass
NVNT	a	5240	5350	-56.22	2	0.24	41.04	Average	54	Pass
NVNT	a	5240	5372.16	-46.64	2	-	50.62	Peak	68.2	Pass
NVNT	a	5240	5350.08	-56.22	2	0.24	41.04	Average	54	Pass
NVNT	a	5240	5460	-49.41	2	-	47.85	Peak	68.2	Pass
NVNT	a	5240	5460	-56.57	2	0.24	40.69	Average	54	Pass
NVNT	n20mimo	5180	4500	-48.7	4.60	-	51.16	Peak	68.2	Pass
NVNT	n20mimo	5180	4500	-58.08	4.60	0.28	41.78	Average	54	Pass
NVNT	n20mimo	5180	5148.2	-43.35	4.60	-	56.51	Peak	68.2	Pass
NVNT	n20mimo	5180	5148.9	-54.6	4.60	0.28	45.26	Average	54	Pass
NVNT	n20mimo	5180	5150	-43.28	4.60	-	56.58	Peak	68.2	Pass
NVNT	n20mimo	5180	5150	-54.32	4.60	0.28	45.54	Average	54	Pass
NVNT	n20mimo	5240	5350	-49.08	4.60	-	50.78	Peak	68.2	Pass
NVNT	n20mimo	5240	5350	-56.66	4.60	0.28	43.20	Average	54	Pass
NVNT	n20mimo	5240	5434.32	-46.63	4.60	-	53.23	Peak	68.2	Pass
NVNT	n20mimo	5240	5439.36	-56.15	4.60	0.28	43.71	Average	54	Pass
NVNT	n20mimo	5240	5460	-49.87	4.60	-	49.99	Peak	68.2	Pass
NVNT	n20mimo	5240	5460	-57.4	4.60	0.28	42.46	Average	54	Pass
NVNT	n40mimo	5190	4500	-49.93	4.60	-	49.93	Peak	68.2	Pass
NVNT	n40mimo	5190	4500	-57.09	4.60	0.45	42.77	Average	54	Pass
NVNT	n40mimo	5190	5149.7	-42.52	4.60	-	57.34	Peak	68.2	Pass
NVNT	n40mimo	5190	5147.51	-53.35	4.60	0.45	46.51	Average	54	Pass
NVNT	n40mimo	5190	5150	-42.52	4.60	-	57.34	Peak	68.2	Pass
NVNT	n40mimo	5190	5150	-53.67	4.60	0.45	46.19	Average	54	Pass
NVNT	n40mimo	5230	5350	-49.09	4.60	-	50.77	Peak	68.2	Pass
NVNT	n40mimo	5230	5350	-56.94	4.60	0.45	42.92	Average	54	Pass
NVNT	n40mimo	5230	5360.37	-46.12	4.60	-	53.74	Peak	68.2	Pass
NVNT	n40mimo	5230	5425.98	-56.05	4.60	0.45	43.81	Average	54	Pass
NVNT	n40mimo	5230	5460	-47.08	4.60	-	52.78	Peak	68.2	Pass
NVNT	n40mimo	5230	5460	-57.32	4.60	0.45	42.54	Average	54	Pass



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NVNT	ac20mimo	5180	4500	-49.92	4.60	-	49.94	Peak	68.2	Pass
NVNT	ac20mimo	5180	4500	-57.04	4.60	0.28	42.82	Average	54	Pass
NVNT	ac20mimo	5180	5057.9	-44.38	4.60	-	55.48	Peak	68.2	Pass
NVNT	ac20mimo	5180	5149.6	-54.5	4.60	0.28	45.36	Average	54	Pass
NVNT	ac20mimo	5180	5150	-45.34	4.60	-	54.52	Peak	68.2	Pass
NVNT	ac20mimo	5180	5150	-54.15	4.60	0.28	45.71	Average	54	Pass
NVNT	ac20mimo	5240	5350	-48.57	4.60	-	51.29	Peak	68.2	Pass
NVNT	ac20mimo	5240	5350	-57.53	4.60	0.28	42.33	Average	54	Pass
NVNT	ac20mimo	5240	5443.92	-46.04	4.60	-	53.82	Peak	68.2	Pass
NVNT	ac20mimo	5240	5409.6	-56.45	4.60	0.28	43.41	Average	54	Pass
NVNT	ac20mimo	5240	5460	-49.66	4.60	-	50.20	Peak	68.2	Pass
NVNT	ac20mimo	5240	5460	-57.41	4.60	0.28	42.45	Average	54	Pass
NVNT	ac40mimo	5190	4500	-48.55	4.60	-	51.31	Peak	68.2	Pass
NVNT	ac40mimo	5190	4500	-57.47	4.60	0.45	42.39	Average	54	Pass
NVNT	ac40mimo	5190	5148.97	-41.16	4.60	-	58.70	Peak	68.2	Pass
NVNT	ac40mimo	5190	5148.97	-54.28	4.60	0.45	45.58	Average	54	Pass
NVNT	ac40mimo	5190	5150	-43.93	4.60	-	55.93	Peak	68.2	Pass
NVNT	ac40mimo	5190	5150	-54.31	4.60	0.45	45.55	Average	54	Pass
NVNT	ac40mimo	5230	5350	-49.55	4.60	-	50.31	Peak	68.2	Pass
NVNT	ac40mimo	5230	5350	-56.72	4.60	0.45	43.14	Average	54	Pass
NVNT	ac40mimo	5230	5448.66	-46.31	4.60	-	53.55	Peak	68.2	Pass
NVNT	ac40mimo	5230	5370.63	-56.2	4.60	0.45	43.66	Average	54	Pass
NVNT	ac40mimo	5230	5460	-49.8	4.60	-	50.06	Peak	68.2	Pass
NVNT	ac40mimo	5230	5460	-57.08	4.60	0.45	42.78	Average	54	Pass
NVNT	ac80mimo	5210	5350	-48.44	4.60	-	51.42	Peak	68.2	Pass
NVNT	ac80mimo	5210	5350	-56.64	4.60	0.73	43.22	Average	54	Pass
NVNT	ac80mimo	5210	5359.68	-46.35	4.60	-	53.51	Peak	68.2	Pass
NVNT	ac80mimo	5210	5381.46	-55.76	4.60	0.73	44.10	Average	54	Pass
NVNT	ac80mimo	5210	5460	-48.73	4.60	-	51.13	Peak	68.2	Pass
NVNT	ac80mimo	5210	5460	-56.71	4.60	0.73	43.15	Average	54	Pass
NVNT	ac80mimo	5210	4500	-49.36	4.60	-	50.50	Peak	68.2	Pass
NVNT	ac80mimo	5210	4500	-57.49	4.60	0.73	42.37	Average	54	Pass
NVNT	ac80mimo	5210	5139.11	-42.57	4.60	-	57.29	Peak	68.2	Pass
NVNT	ac80mimo	5210	5148.59	-54.01	4.60	0.73	45.85	Average	54	Pass
NVNT	ac80mimo	5210	5150	-46.05	4.60	-	53.81	Peak	68.2	Pass
NVNT	ac80mimo	5210	5150	-54.32	4.60	0.73	45.54	Average	54	Pass

Note: 802.11a mode, only show the worst set of antenna0 data.

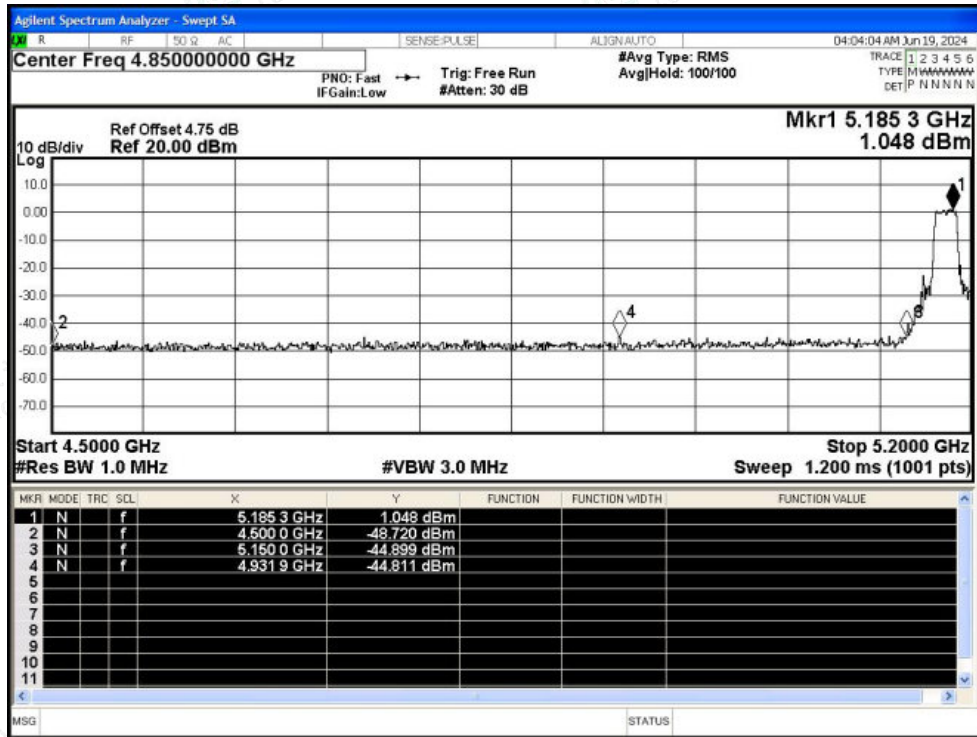


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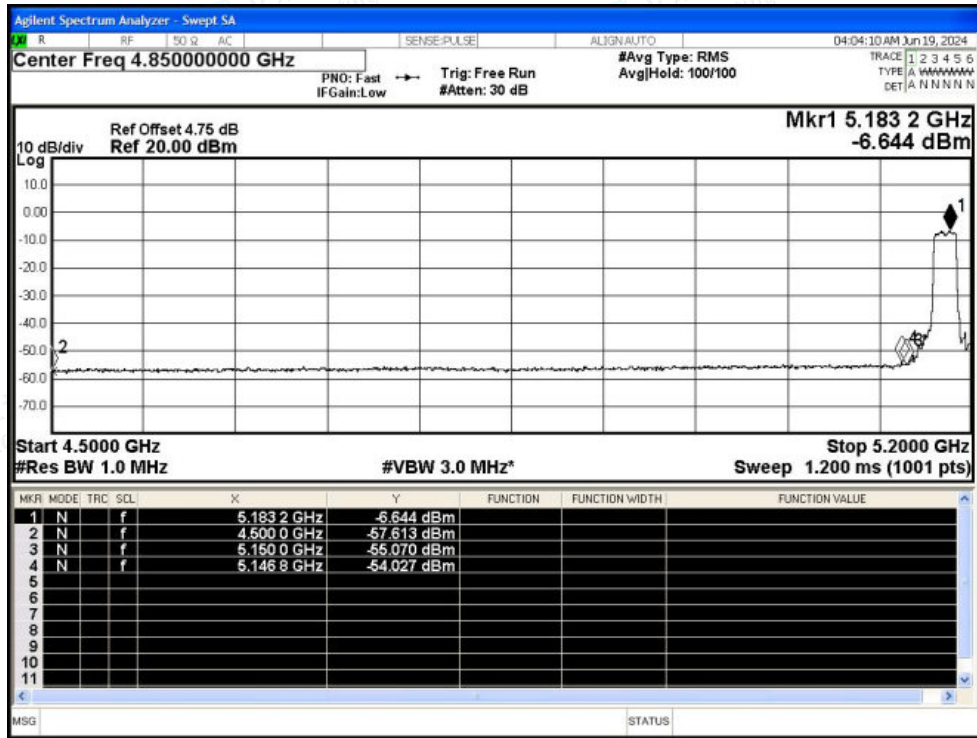


Test Graphs

Restrict Band NVNT a 5180MHz Ant0 Peak

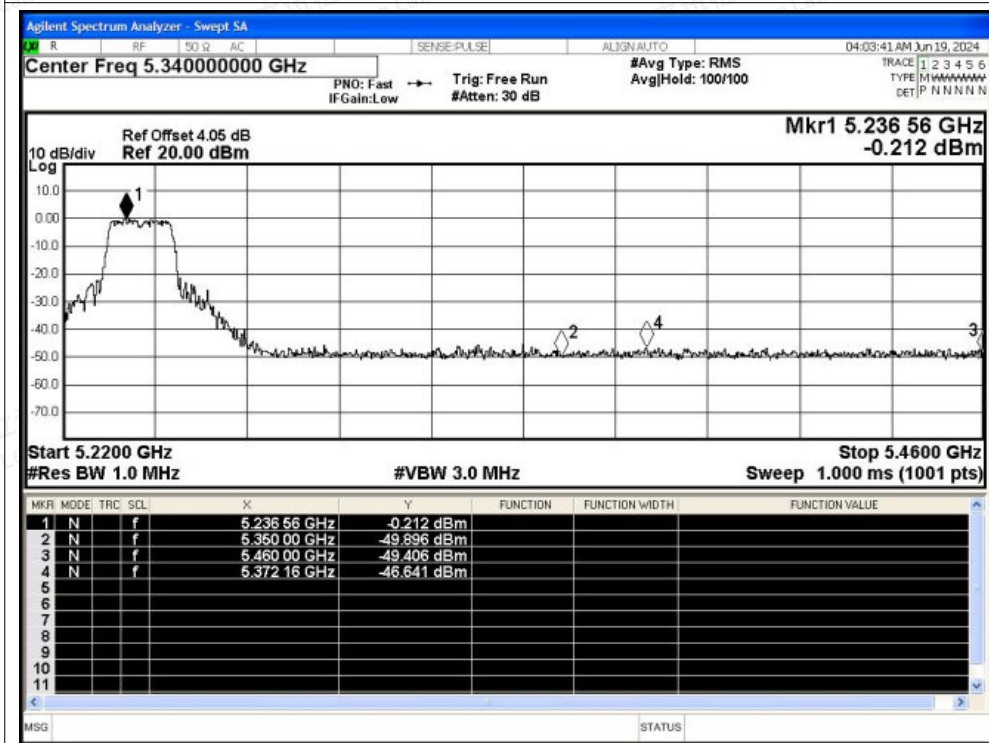


Restrict Band NVNT a 5180MHz Ant0 Average

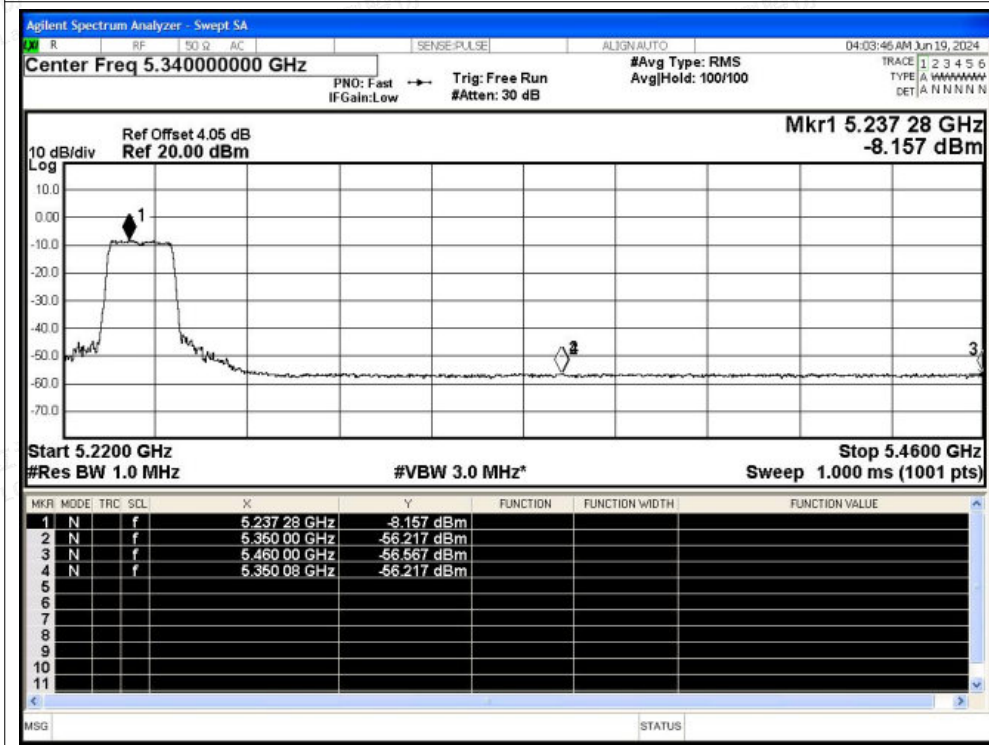




Restrict Band NVNT a 5240MHz Ant0 Peak

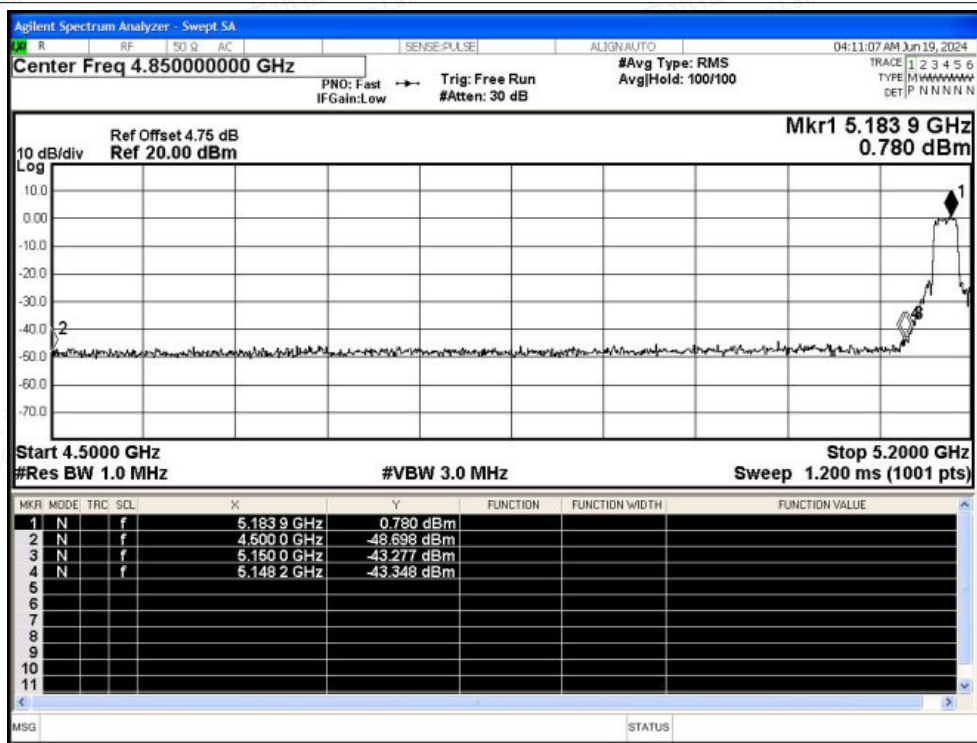


Restrict Band NVNT a 5240MHz Ant0 Average

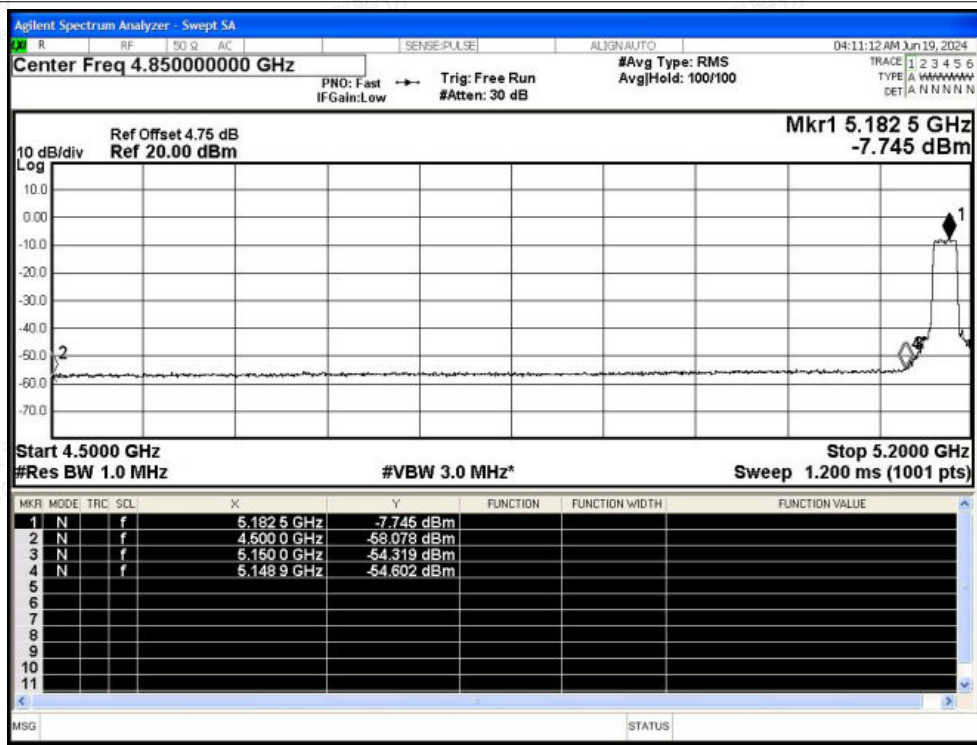




Restrict Band NVNT n20 5180MHz Ant0 Peak

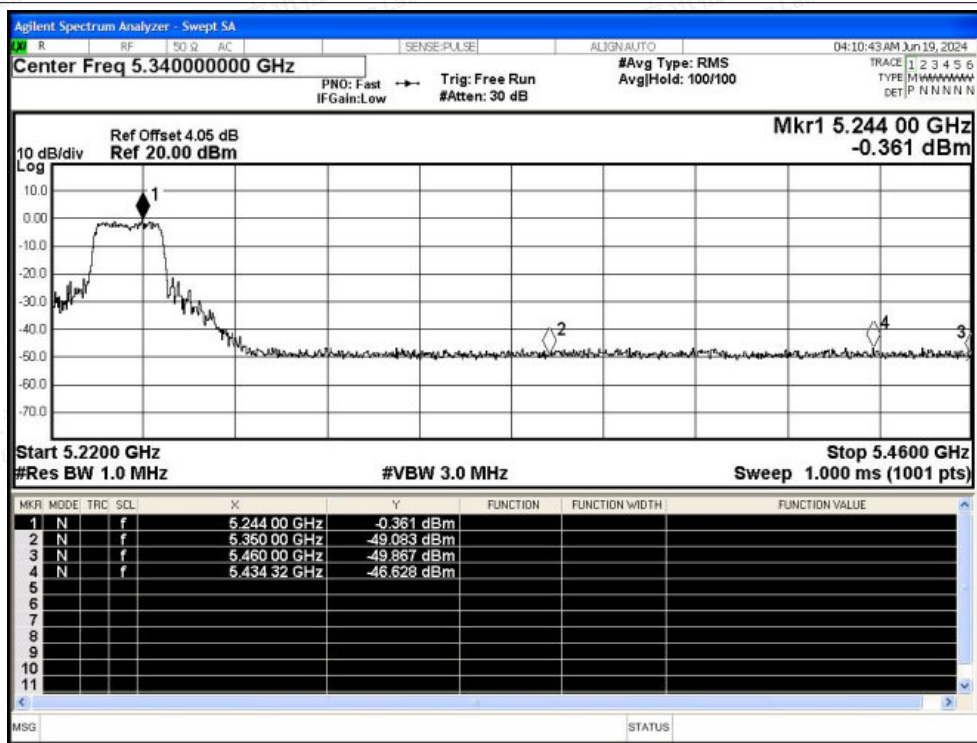


Restrict Band NVNT n20 5180MHz Ant0 Average

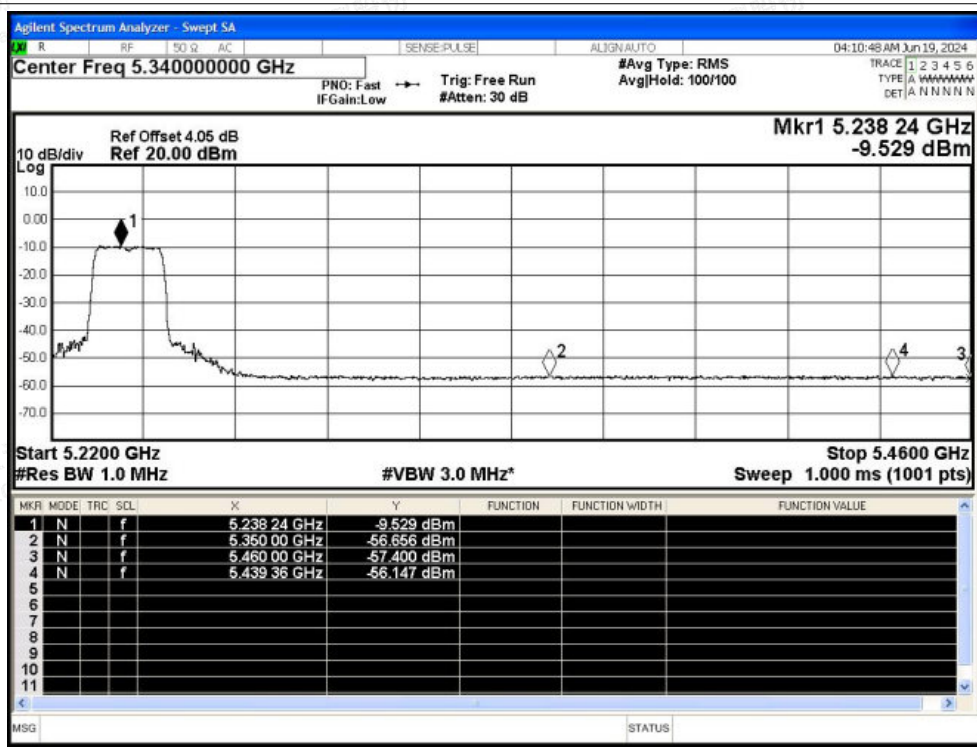




Restrict Band NVNT n20 5240MHz Ant0 Peak

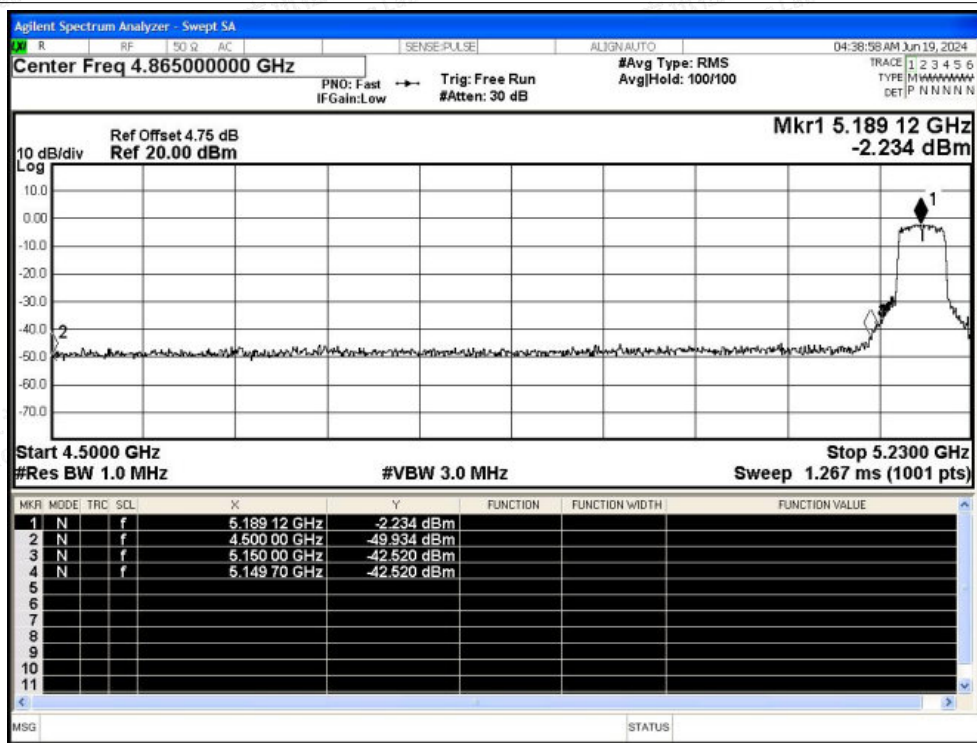


Restrict Band NVNT n20 5240MHz Ant0 Average

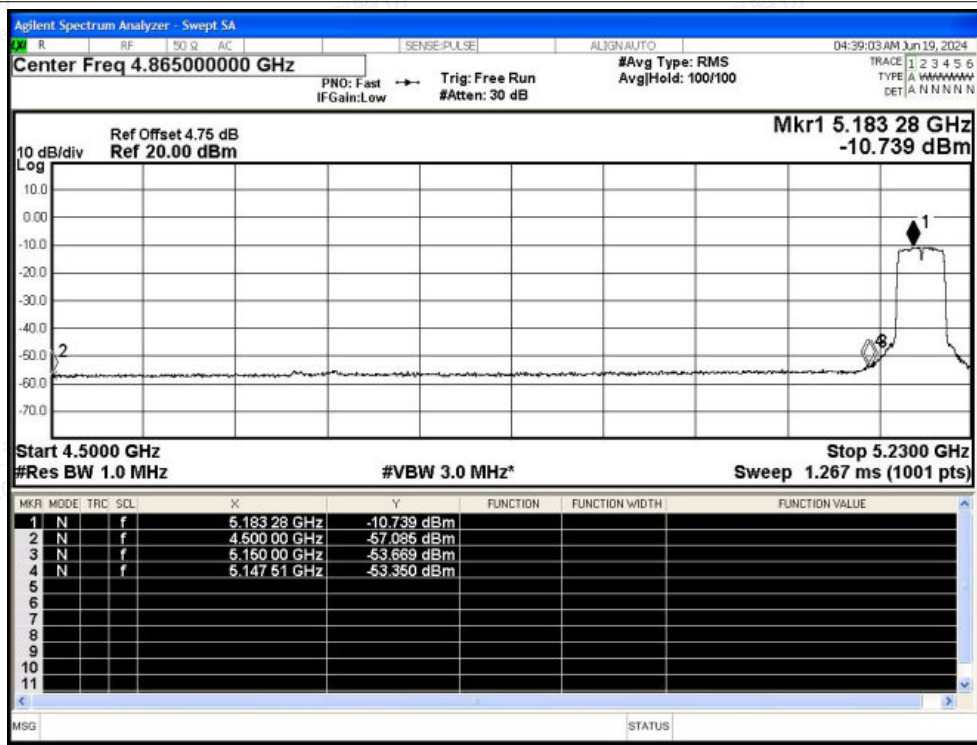




Restrict Band NVNT n40 5190MHz Ant0 Peak

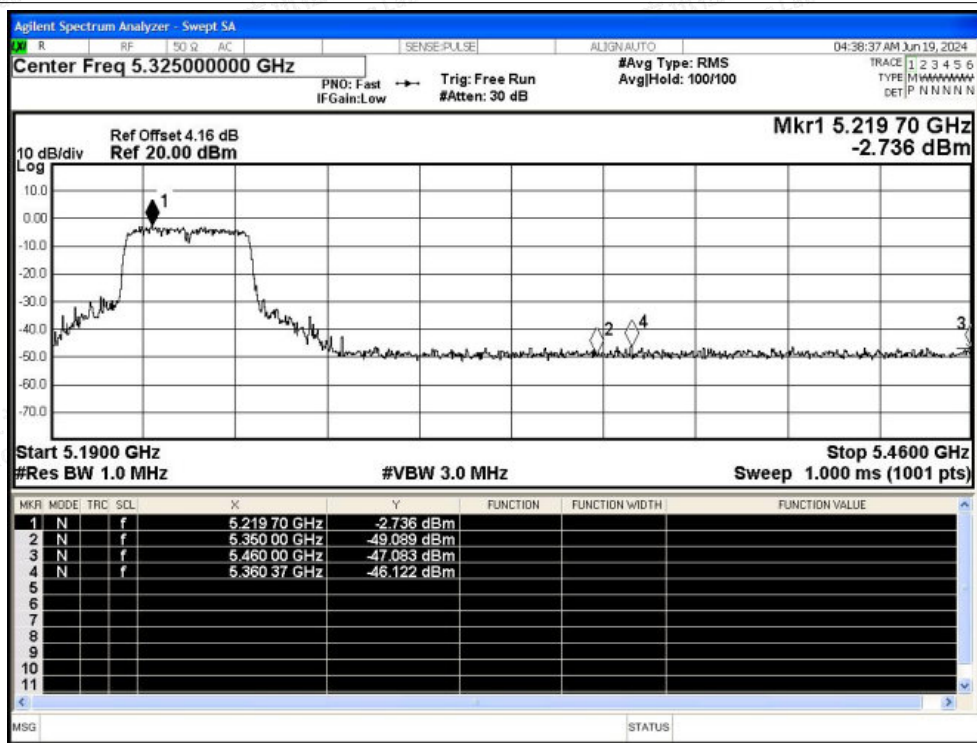


Restrict Band NVNT n40 5190MHz Ant0 Average

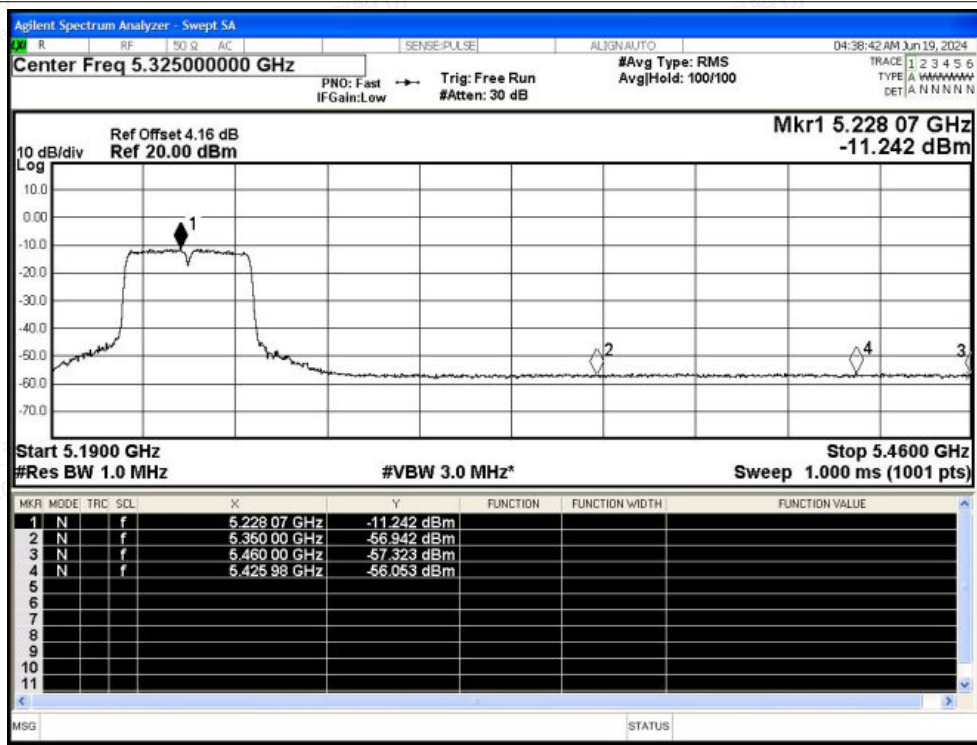




Restrict Band NVNT n40 5230MHz Ant0 Peak



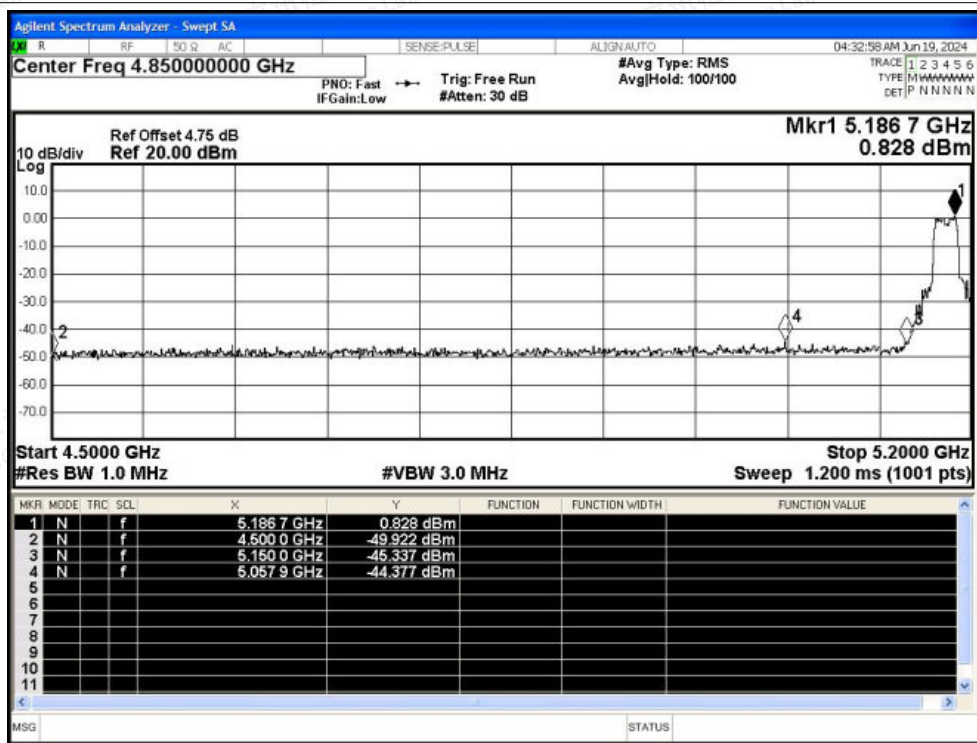
Restrict Band NVNT n40 5230MHz Ant0 Average



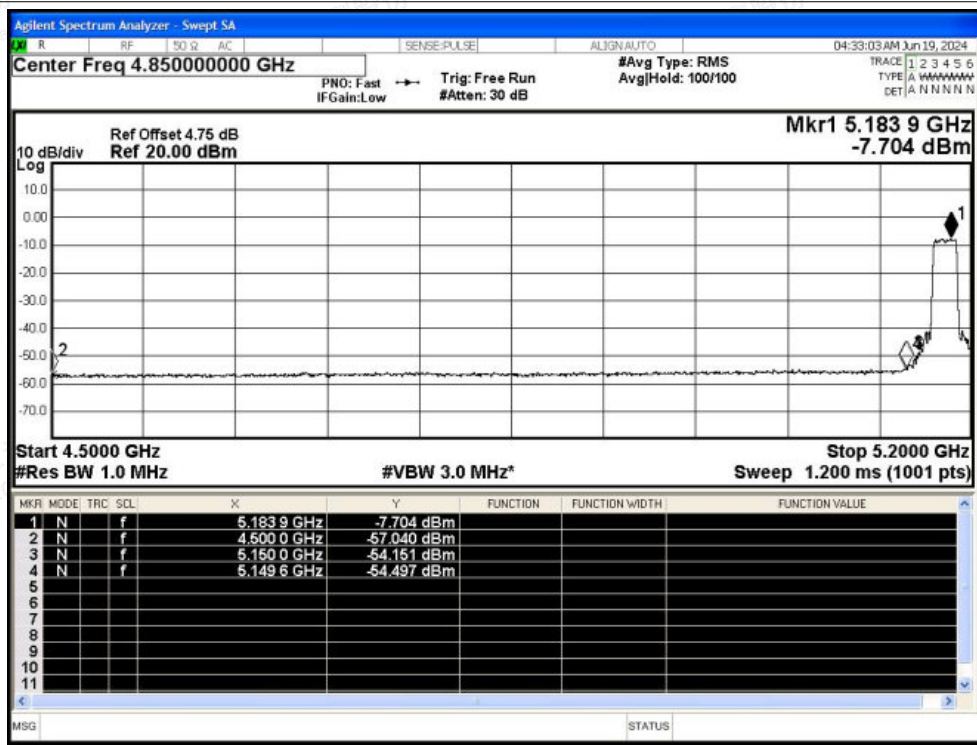




Restrict Band NVNT ac20 5180MHz Ant0 Peak

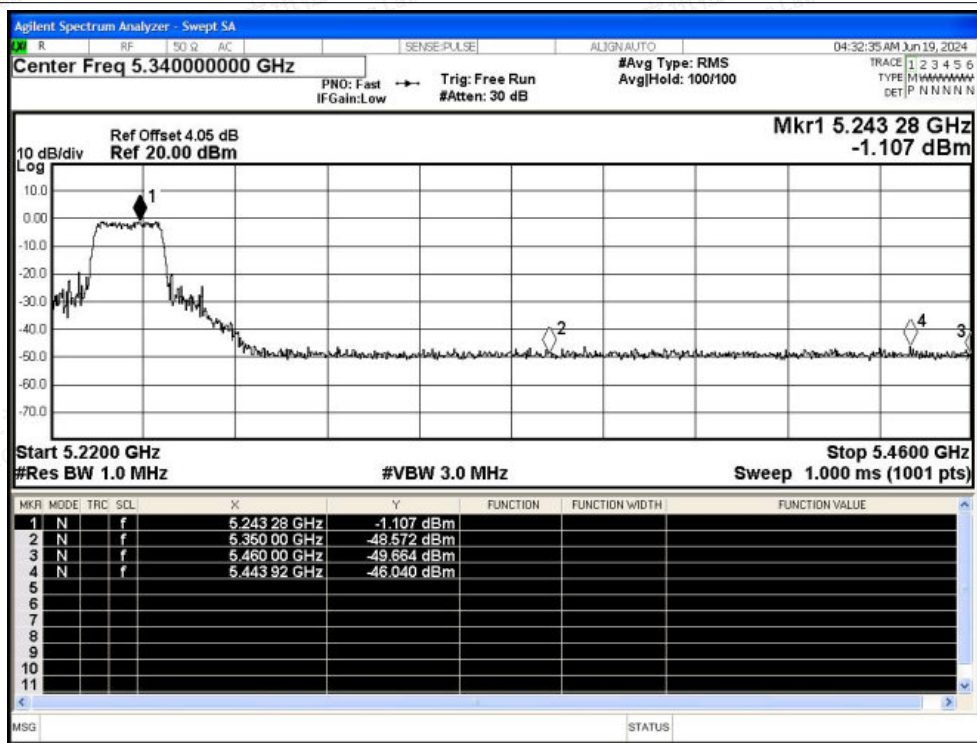


Restrict Band NVNT ac20 5180MHz Ant0 Average

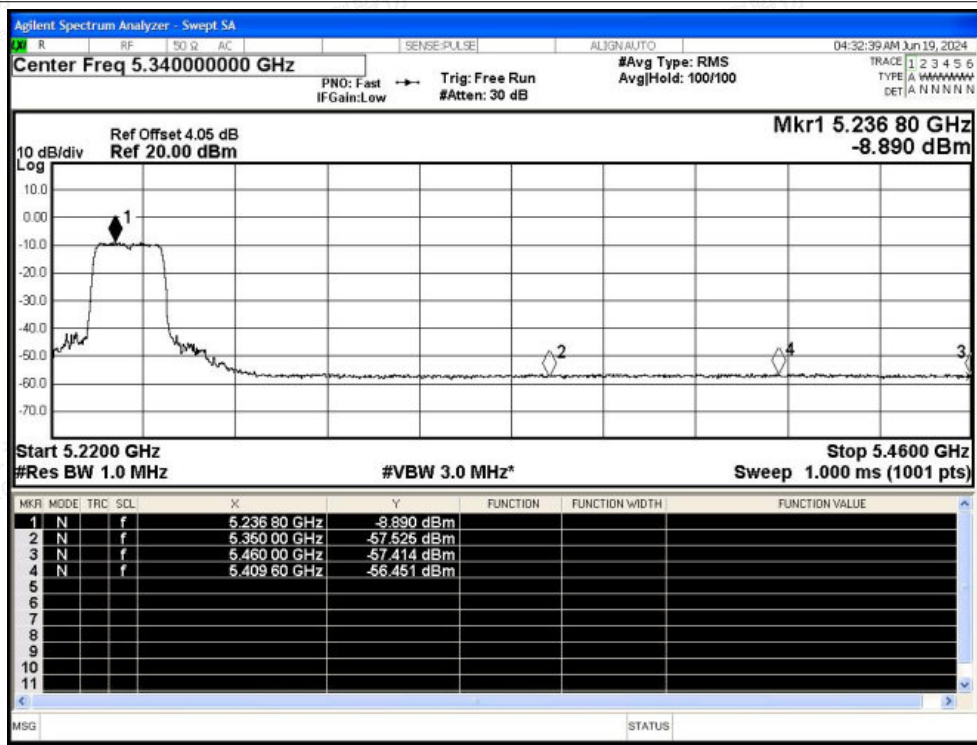




Restrict Band NVNT ac20 5240MHz Ant0 Peak

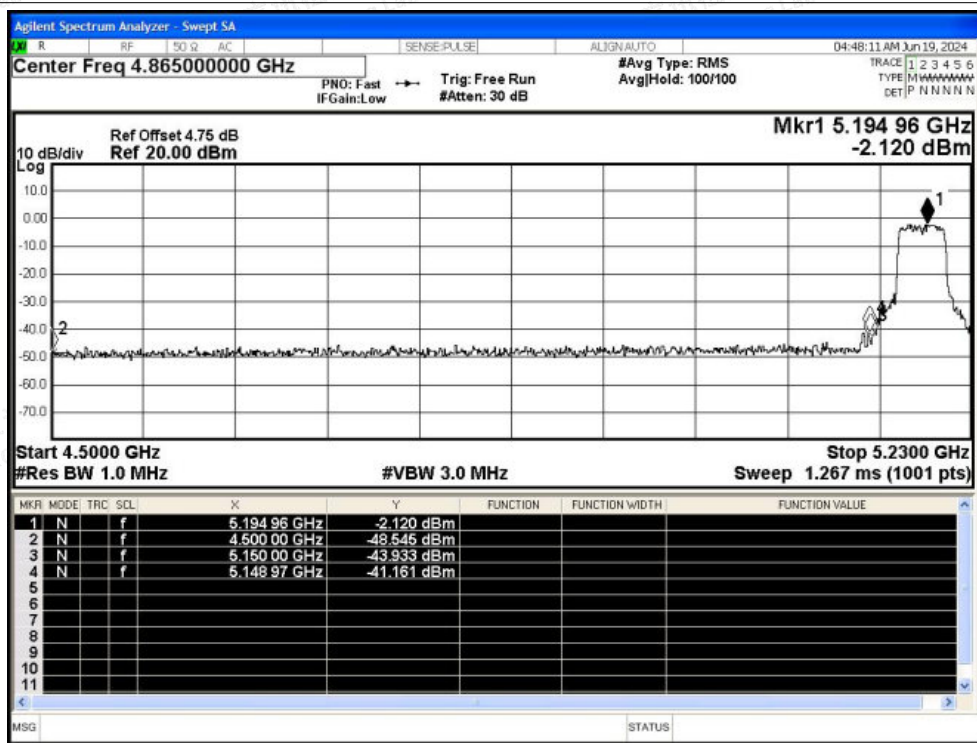


Restrict Band NVNT ac20 5240MHz Ant0 Average

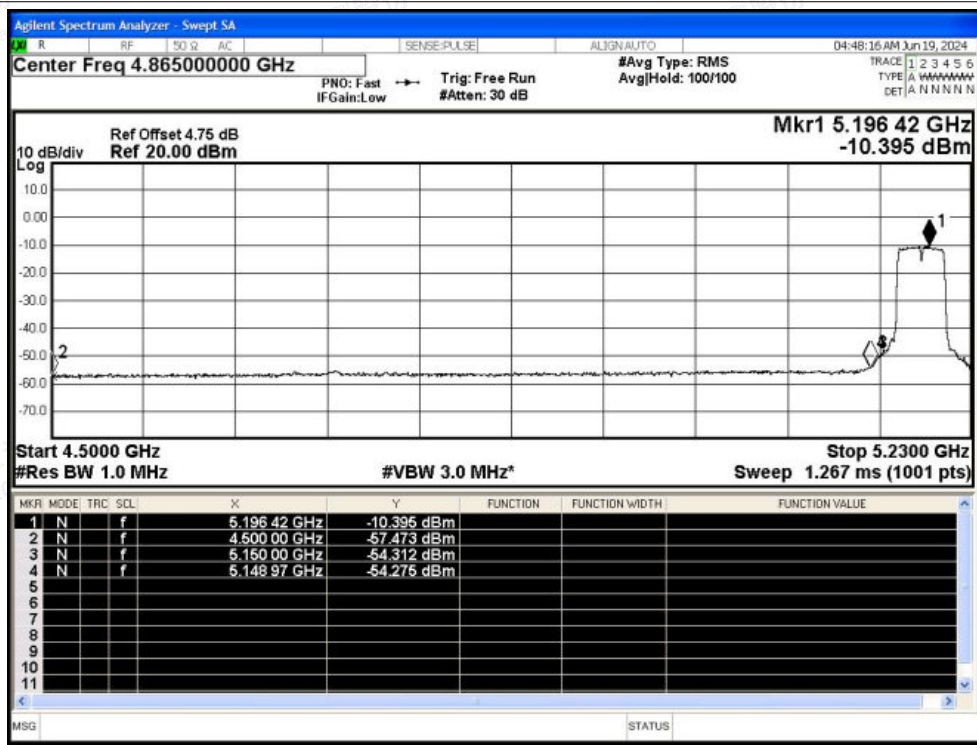




Restrict Band NVNT ac40 5190MHz Ant0 Peak

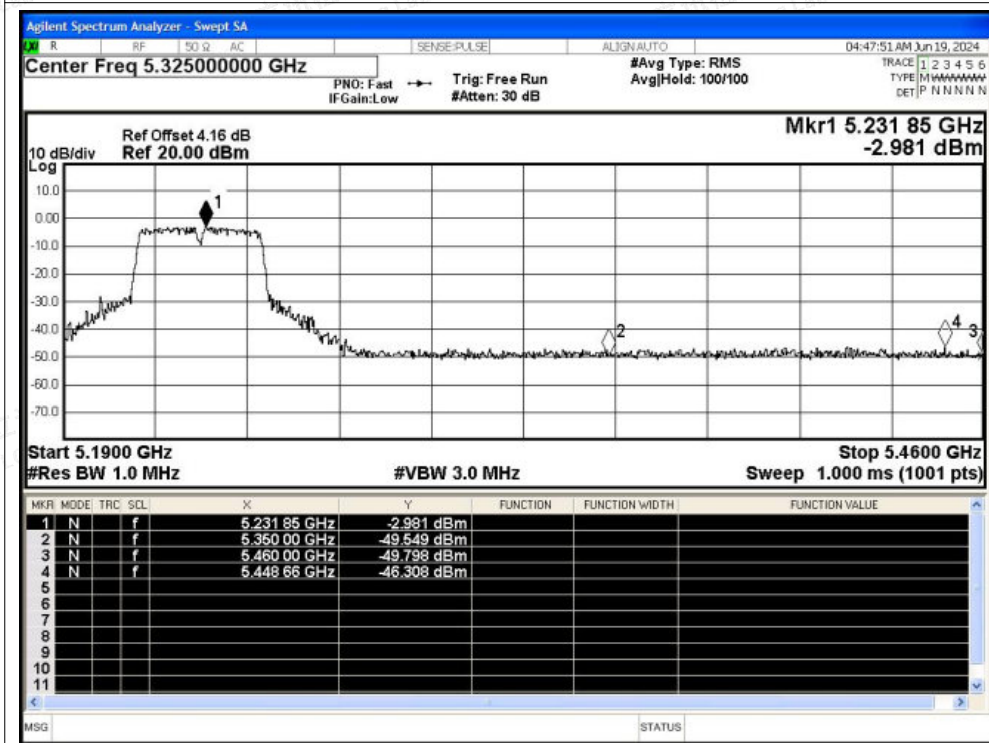


Restrict Band NVNT ac40 5190MHz Ant0 Average

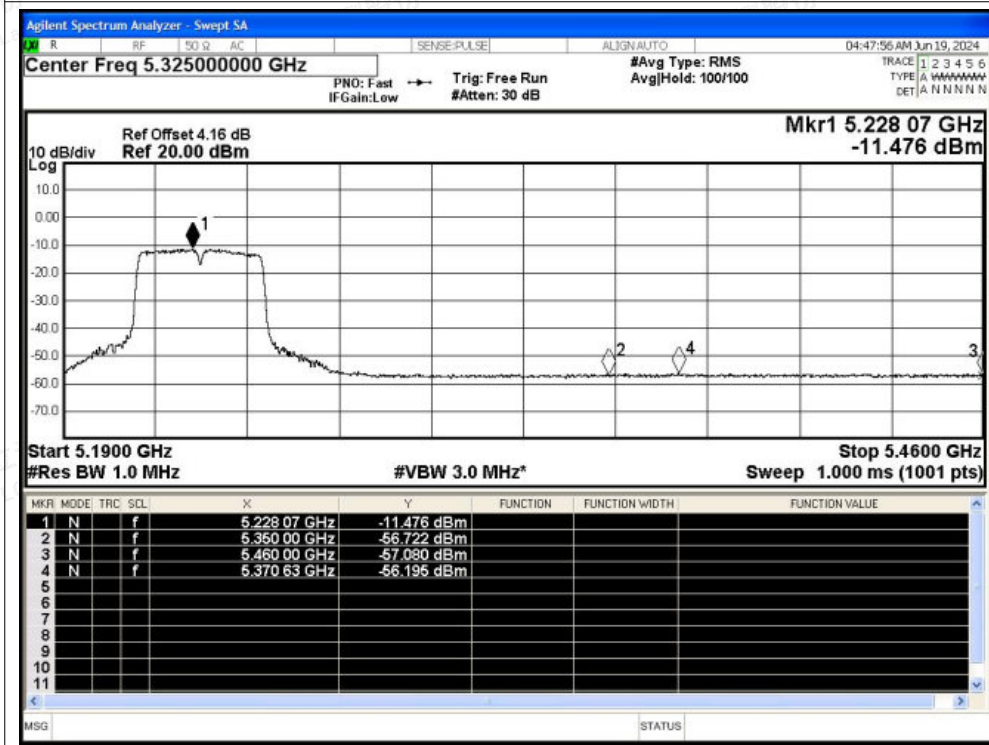




Restrict Band NVNT ac40 5230MHz Ant0 Peak

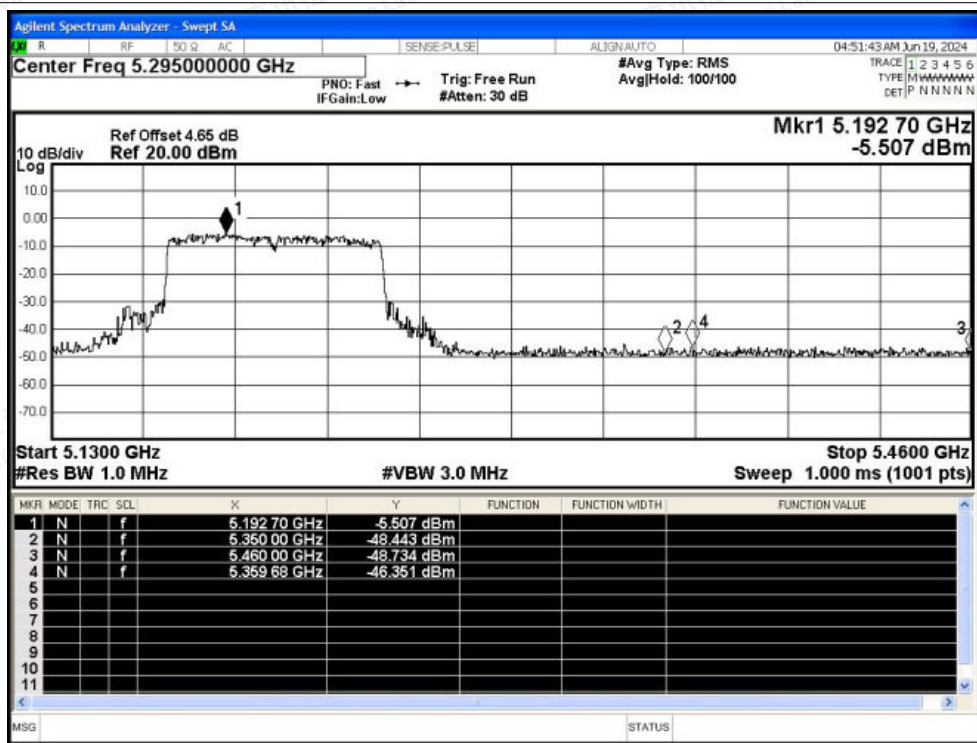


Restrict Band NVNT ac40 5230MHz Ant0 Average

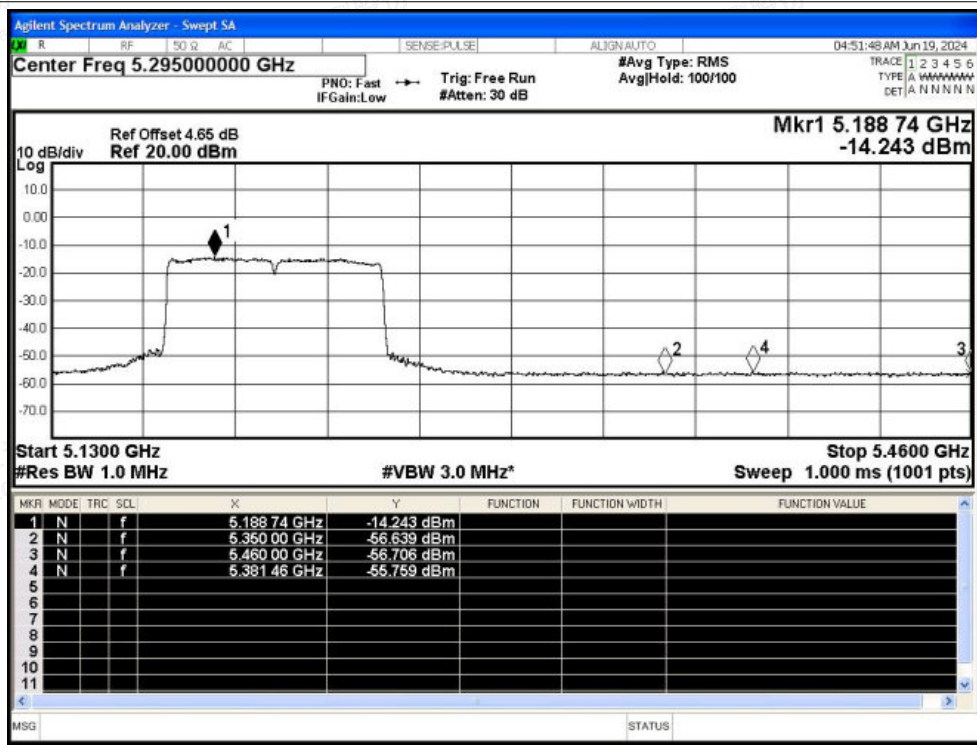




Restrict Band NVNT ac80 5210MHz Ant0 Peak

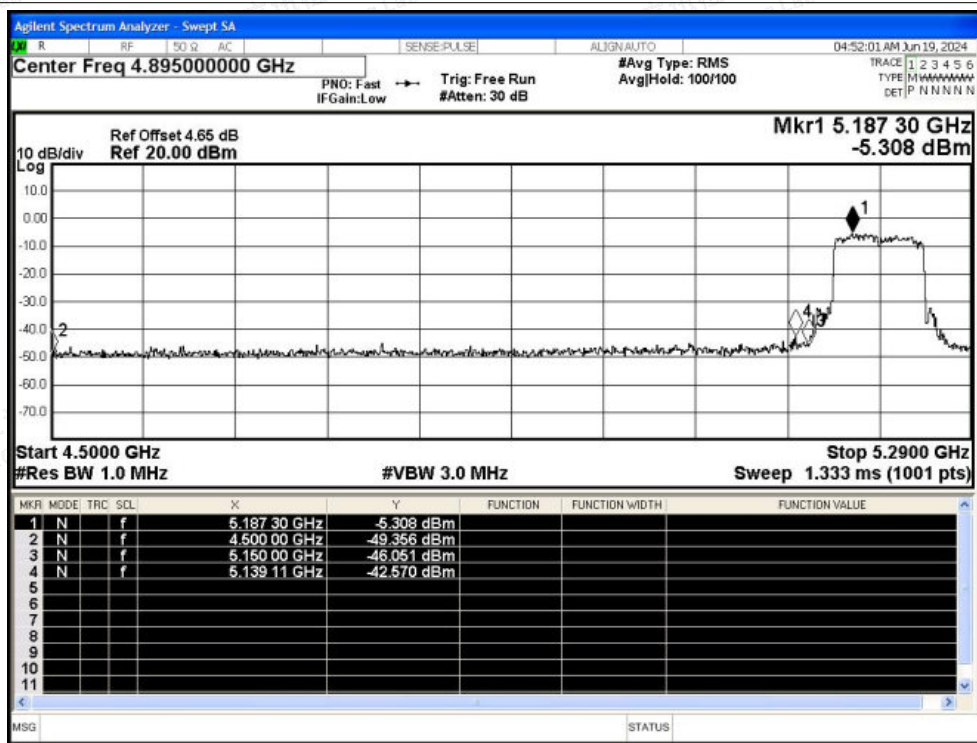


Restrict Band NVNT ac80 5210MHz Ant0 Average

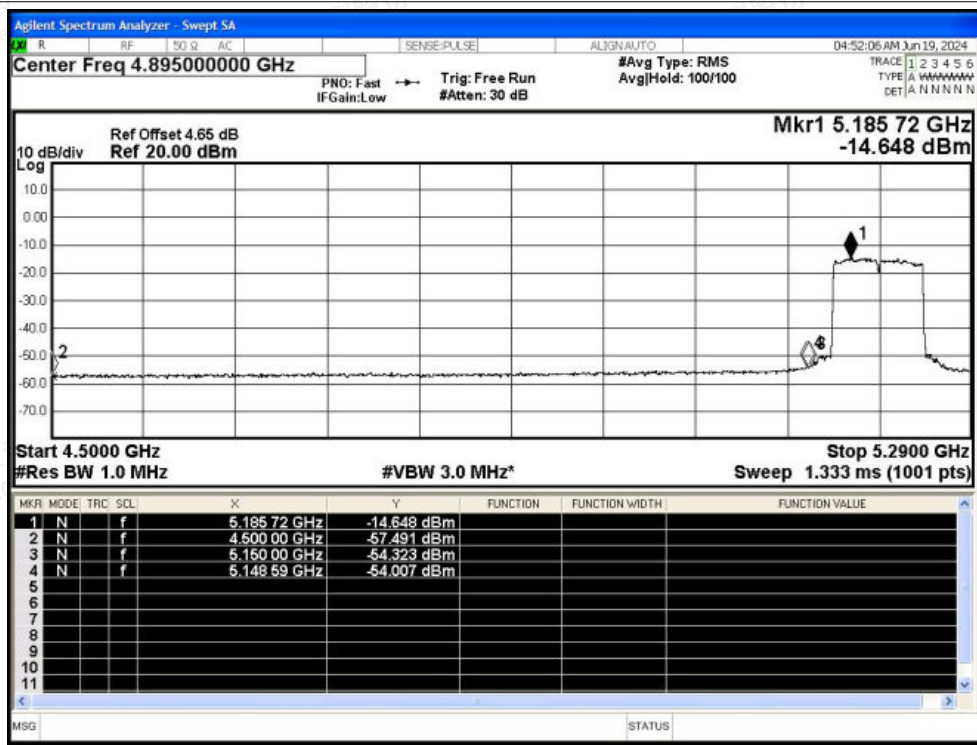




Restrict Band NVNT ac80 5210MHz Ant0 Peak



Restrict Band NVNT ac80 5210MHz Ant0 Average





### D.5 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	ac20	5180	Ant0	5180	0	0	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	5230	0	0	25	Pass
NVNT	ac80	5210	Ant0	5210	0	0	25	Pass

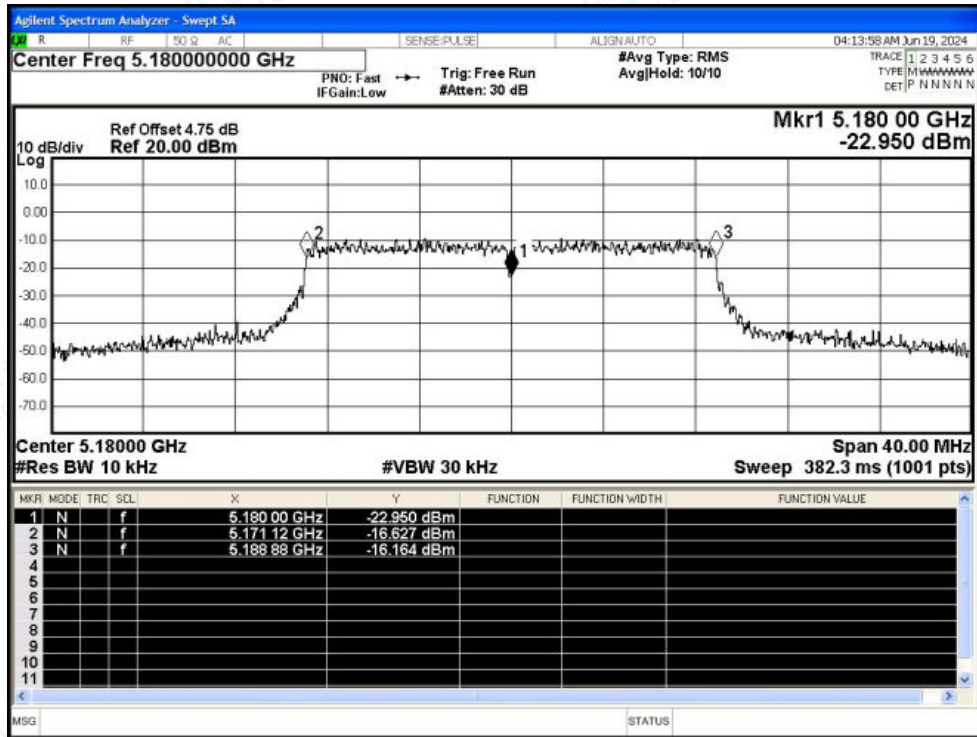


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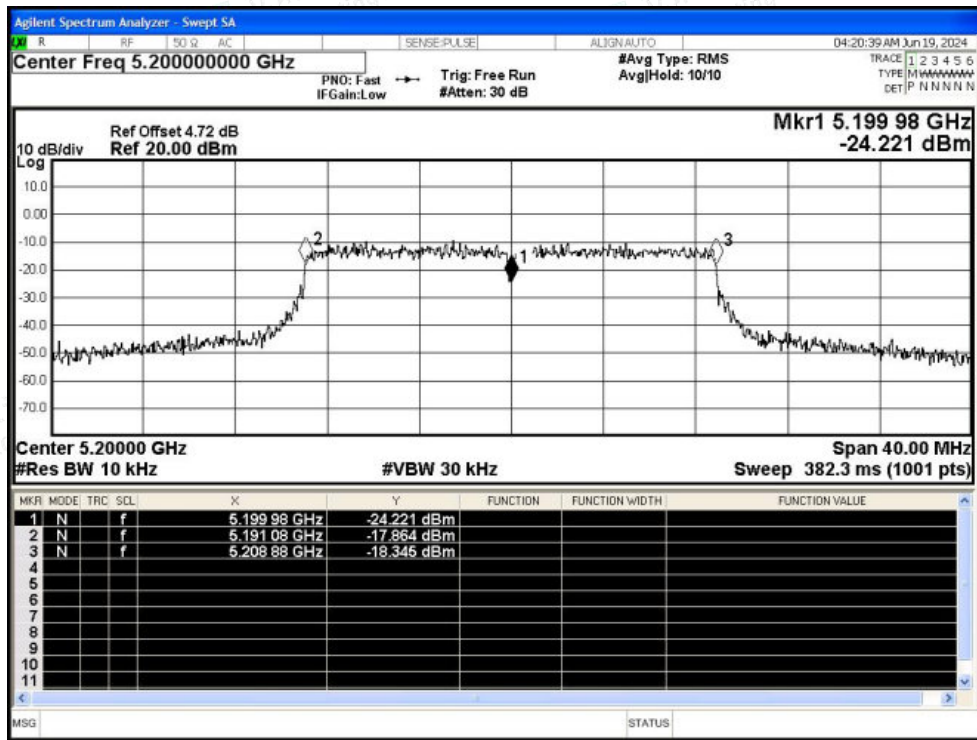


Test Graphs

Freq. Stability NVNT ac20 5180MHz Ant0



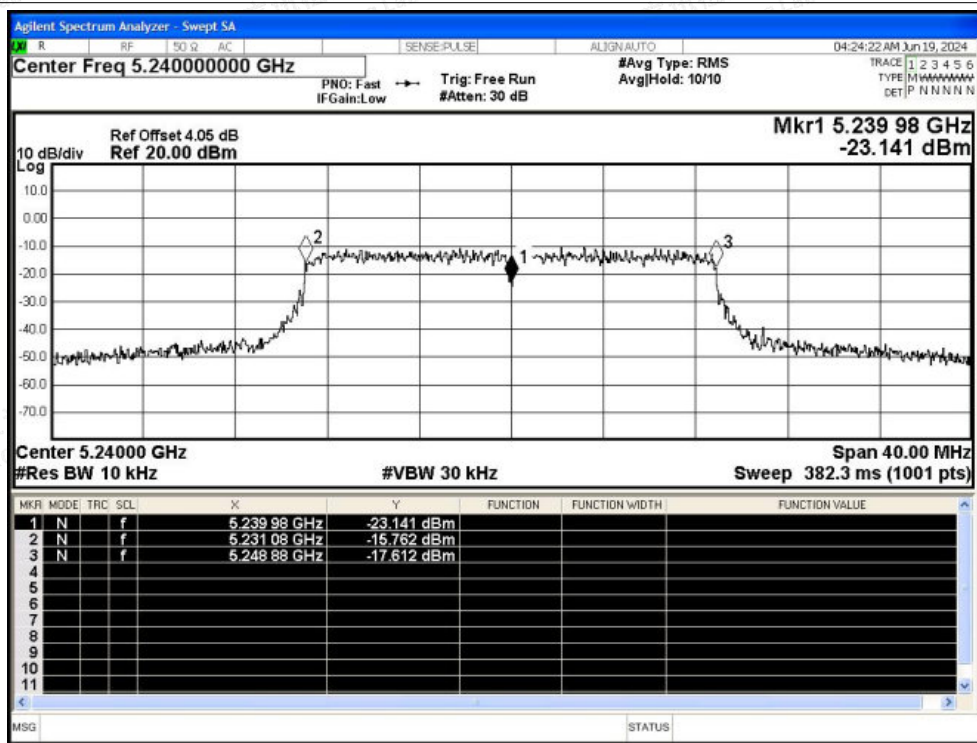
Freq. Stability NVNT ac20 5200MHz Ant0



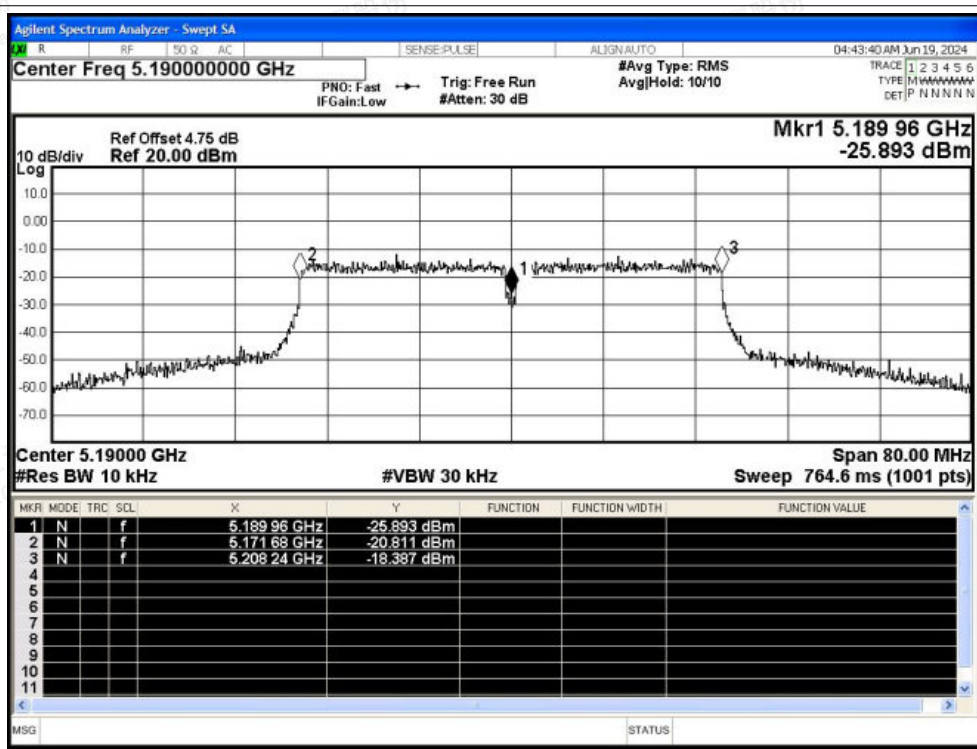




Freq. Stability NVNT ac20 5240MHz Ant0

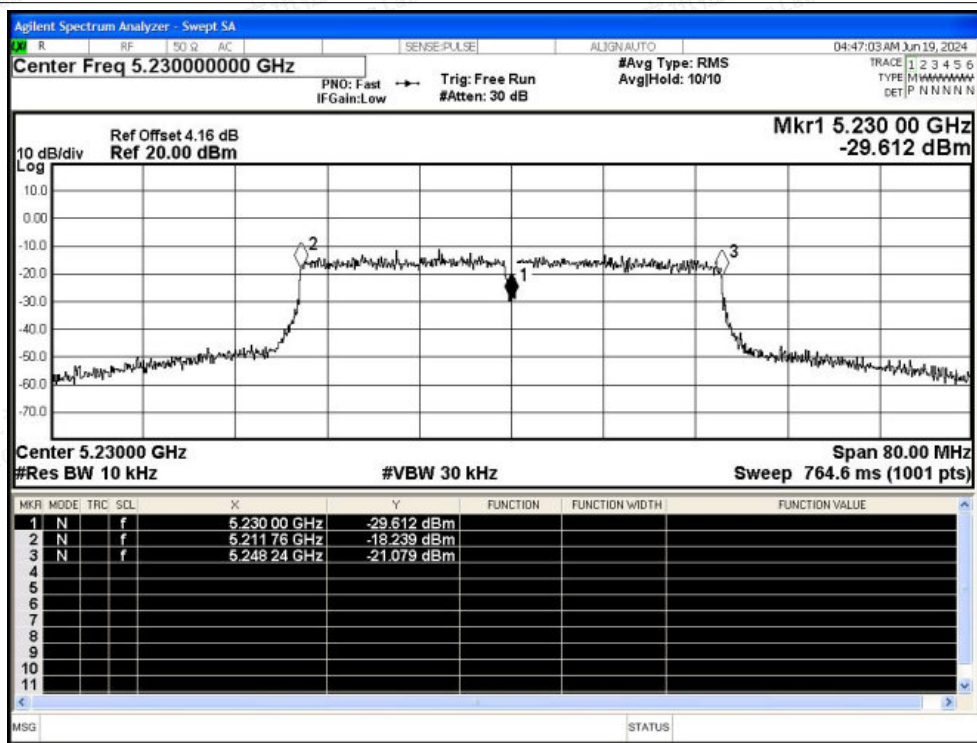


Freq. Stability NVNT ac40 5190MHz Ant0

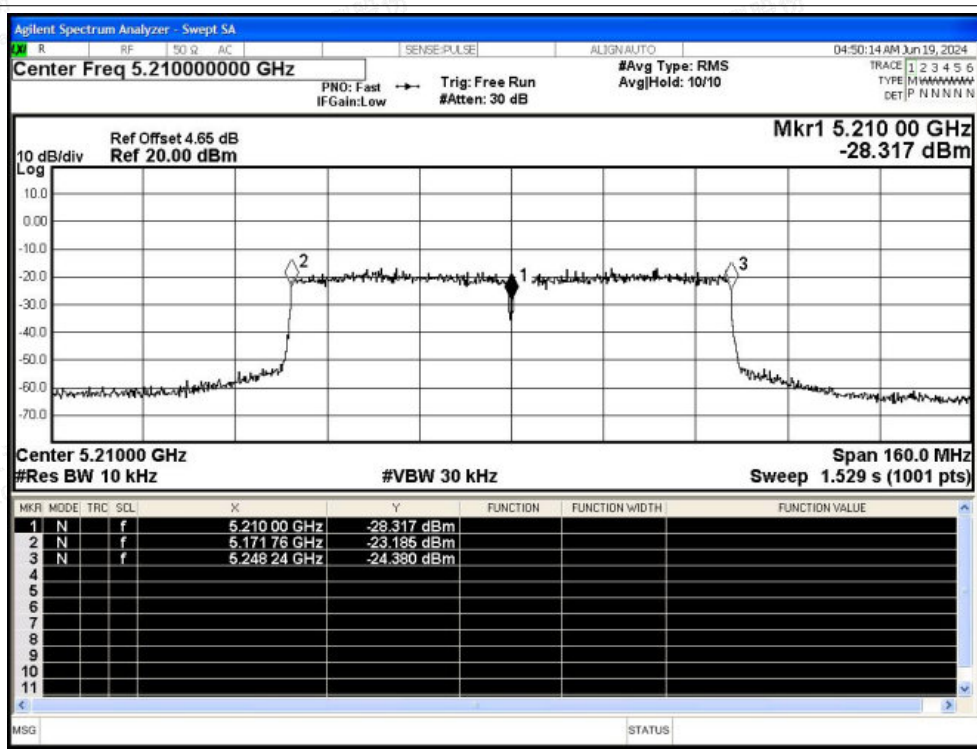




Freq. Stability NVNT ac40 5230MHz Ant0



Freq. Stability NVNT ac80 5210MHz Ant0





Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	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	5239.96	-40000	-7.63	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

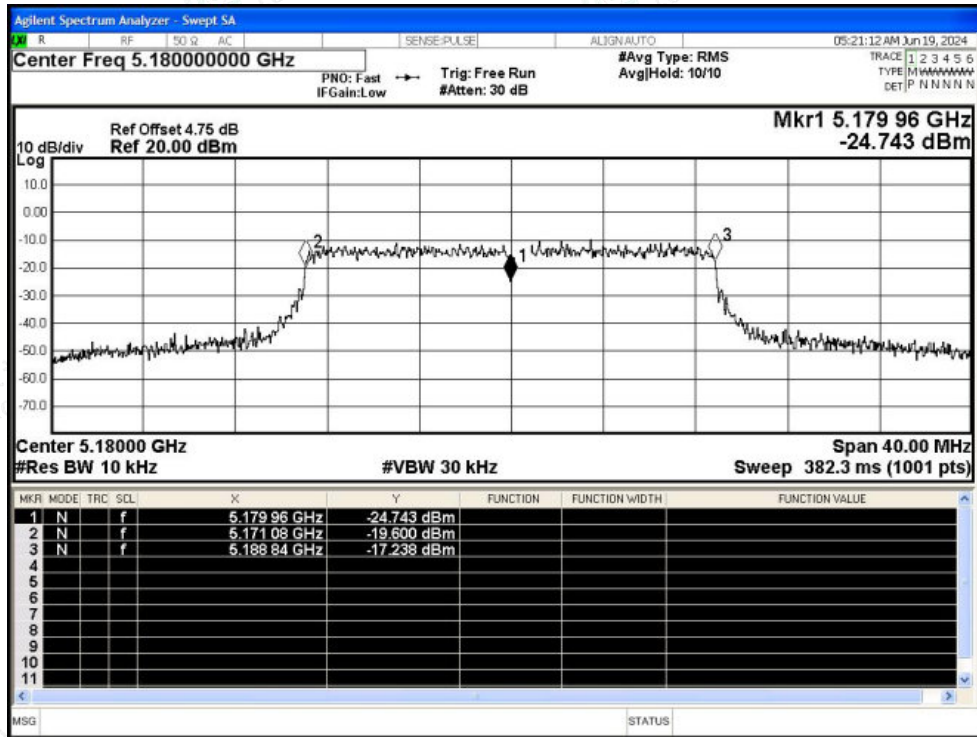


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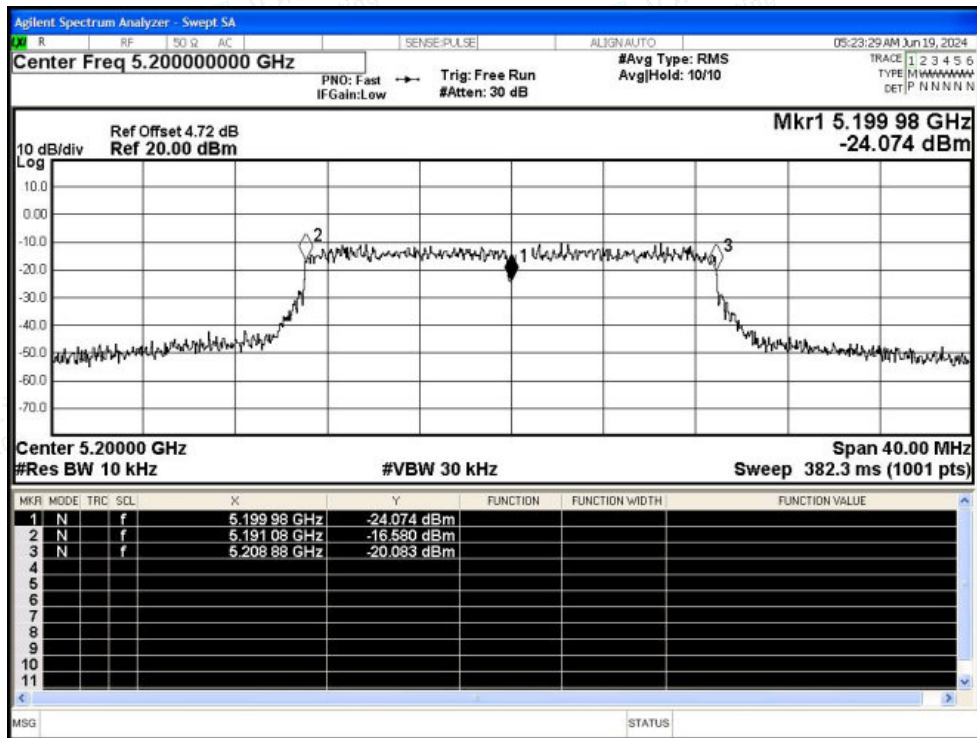


Test Graphs

Freq. Stability NVNT ac20 5180MHz Ant1

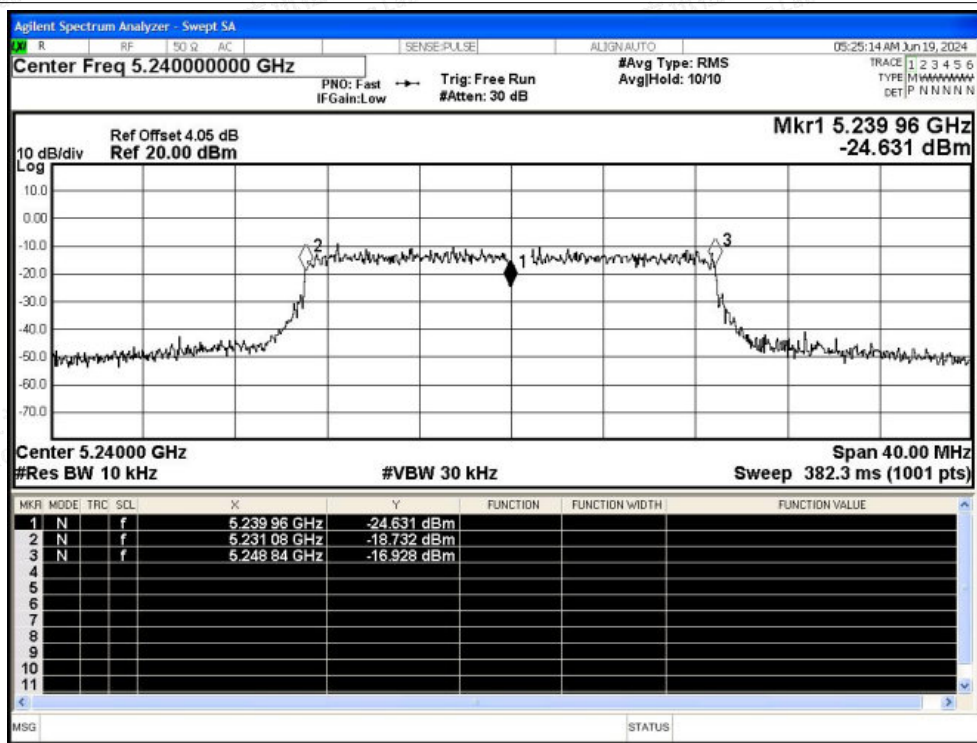


Freq. Stability NVNT ac20 5200MHz Ant1

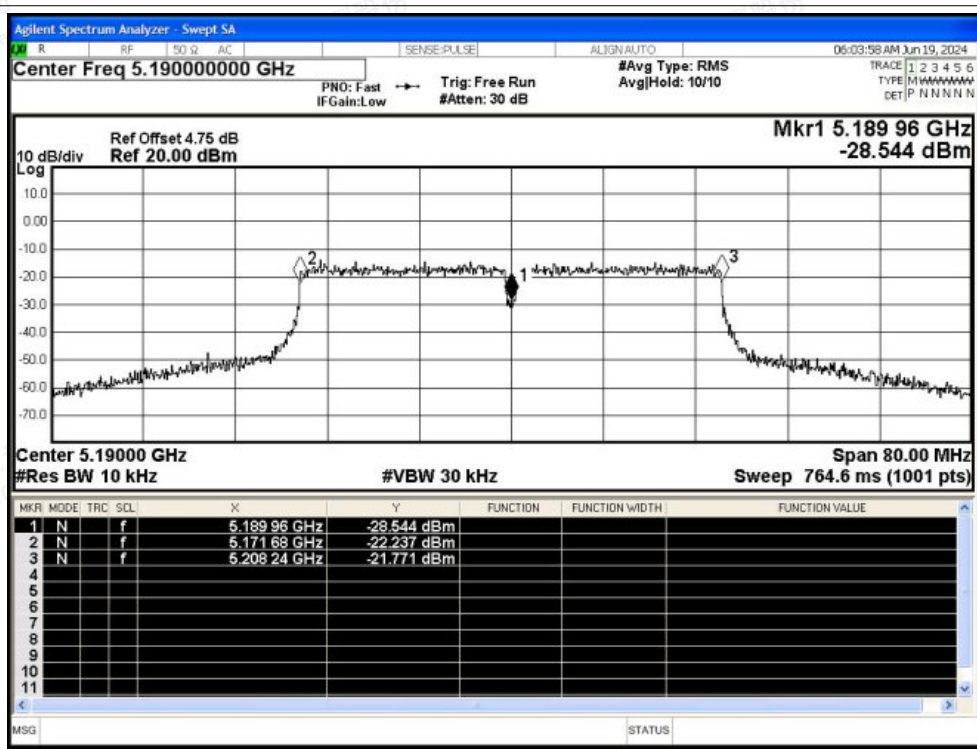




Freq. Stability NVNT ac20 5240MHz Ant1

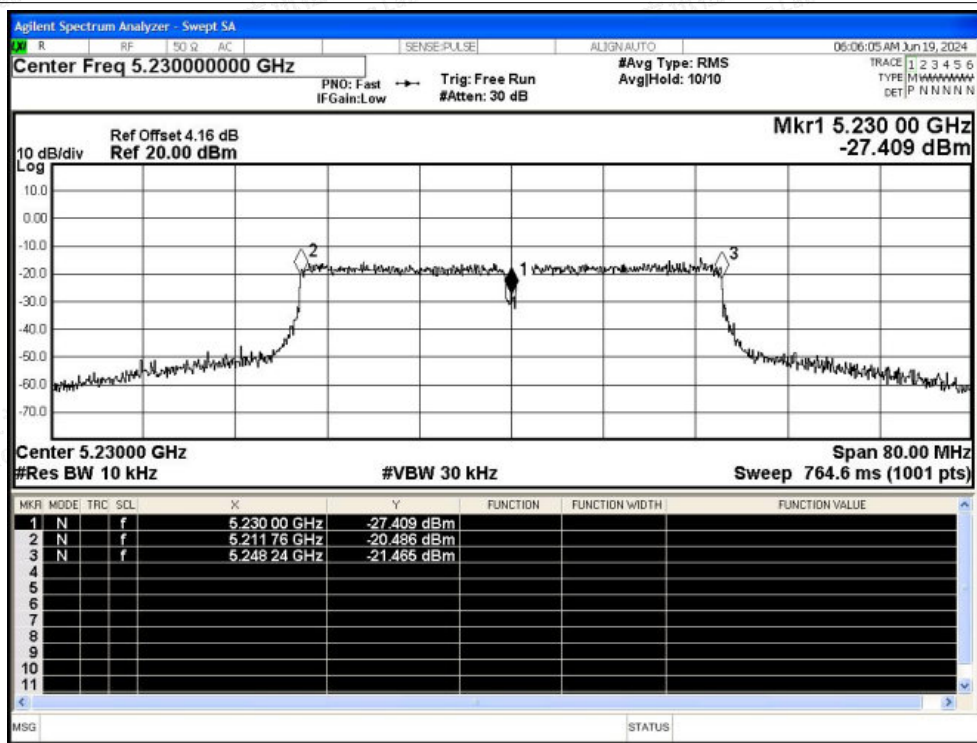


Freq. Stability NVNT ac40 5190MHz Ant1

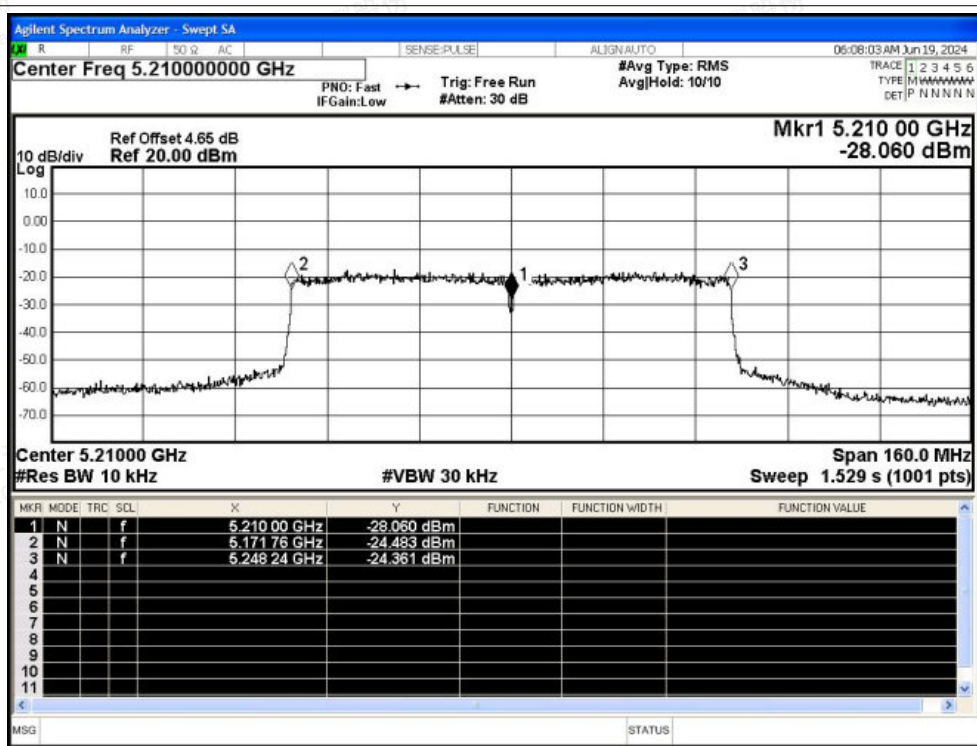




Freq. Stability NVNT ac40 5230MHz Ant1



Freq. Stability NVNT ac80 5210MHz Ant1





### D.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant0	94.65	0.24	0.91
NVNT	a	5200	Ant0	94.56	0.24	0.91
NVNT	a	5240	Ant0	94.56	0.24	0.91
NVNT	n20	5180	Ant0	93.77	0.28	1.07
NVNT	n20	5200	Ant0	93.77	0.28	1.07
NVNT	n20	5240	Ant0	93.67	0.28	1.07
NVNT	n40	5190	Ant0	90.14	0.45	1.74
NVNT	n40	5230	Ant0	90.14	0.45	1.74
NVNT	ac20	5180	Ant0	93.72	0.28	1.06
NVNT	ac20	5200	Ant0	93.72	0.28	1.06
NVNT	ac20	5240	Ant0	93.72	0.28	1.06
NVNT	ac40	5190	Ant0	90.2	0.45	1.72
NVNT	ac40	5230	Ant0	90.2	0.45	1.72
NVNT	ac80	5210	Ant0	84.54	0.73	2.95

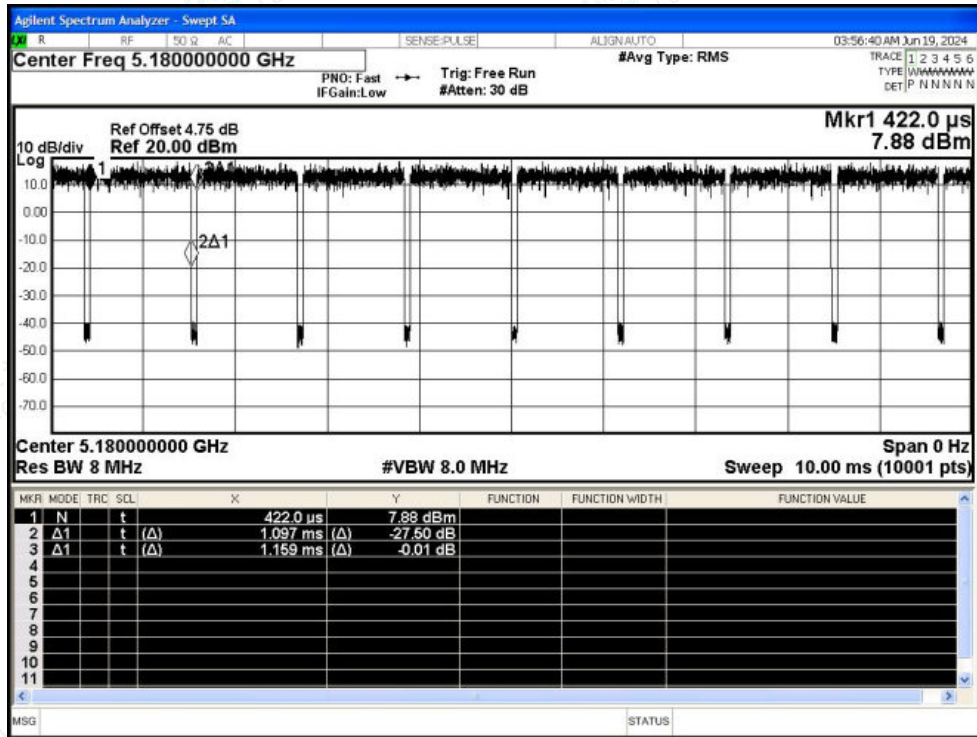


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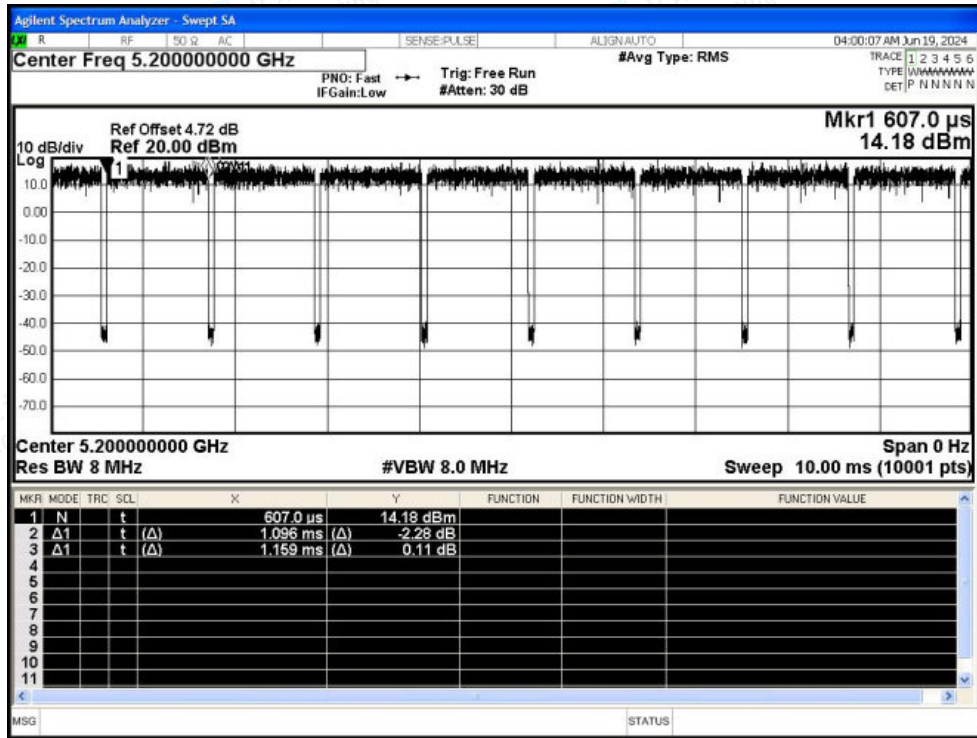


Test Graphs

Duty Cycle NVNT a 5180MHz Ant0



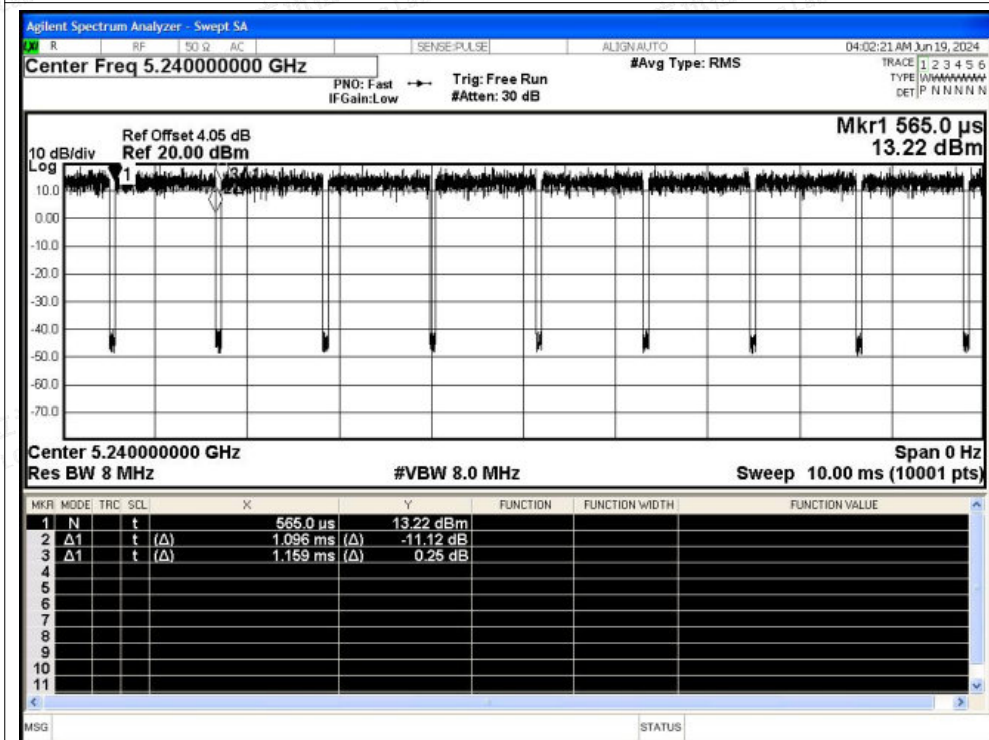
Duty Cycle NVNT a 5200MHz Ant0



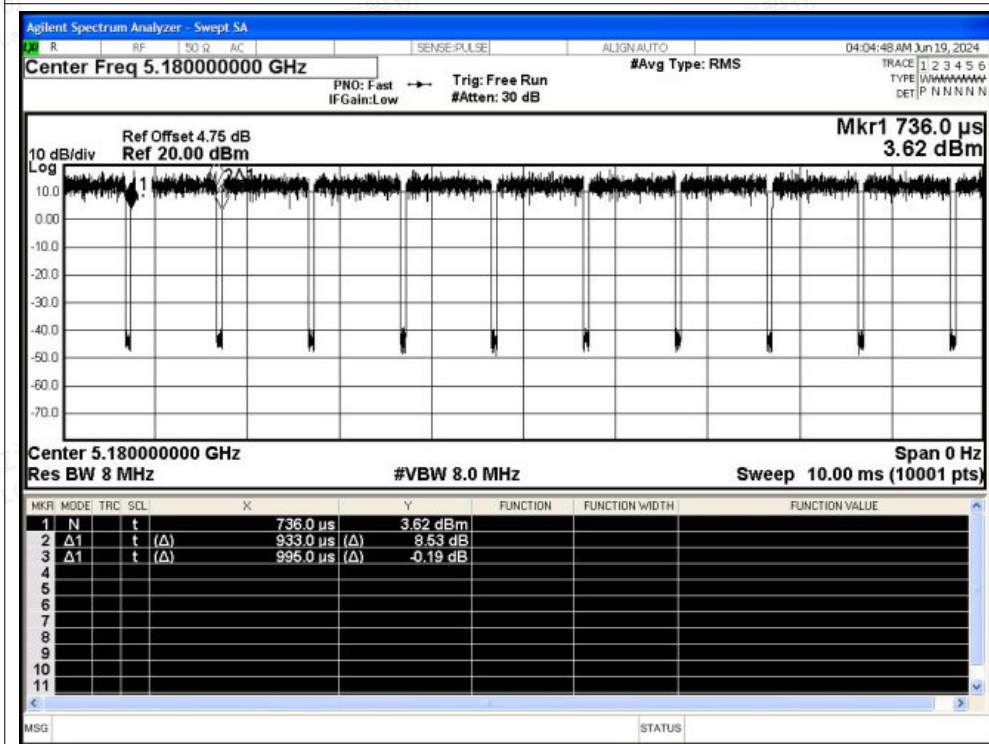




Duty Cycle NVNT a 5240MHz Ant0

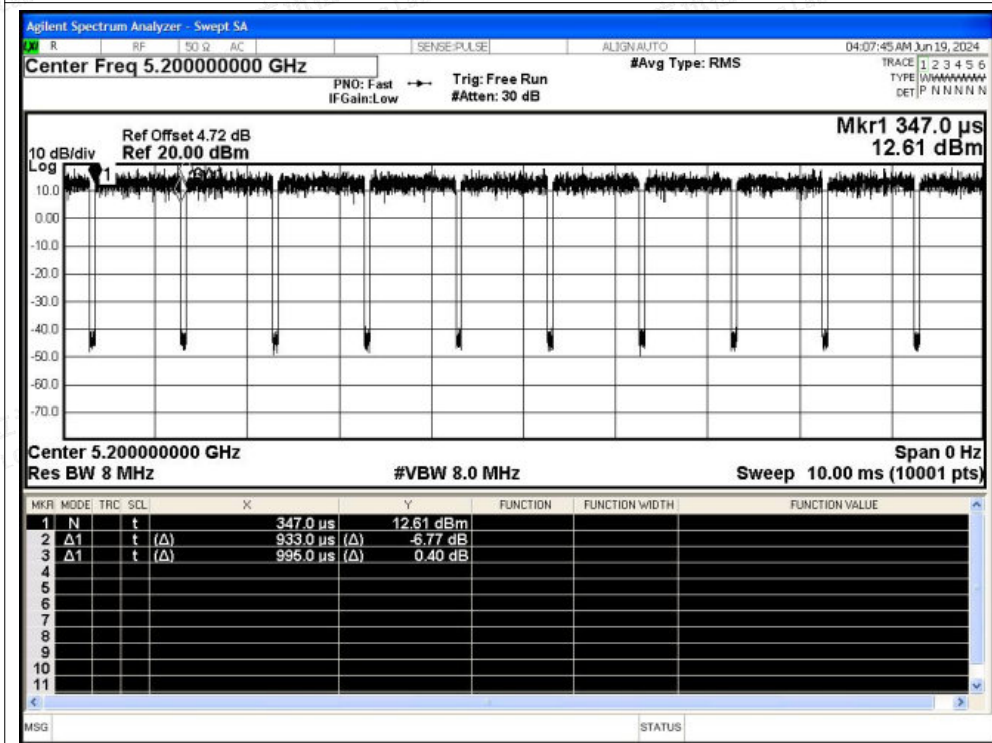


Duty Cycle NVNT n20 5180MHz Ant0

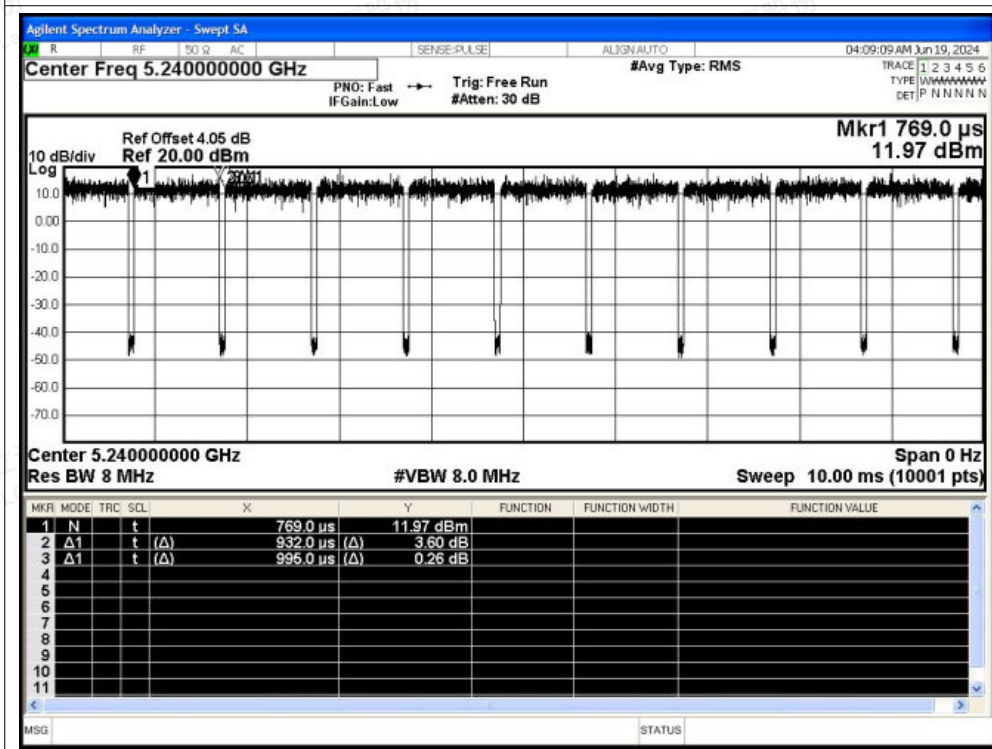




Duty Cycle NVNT n20 5200MHz Ant0

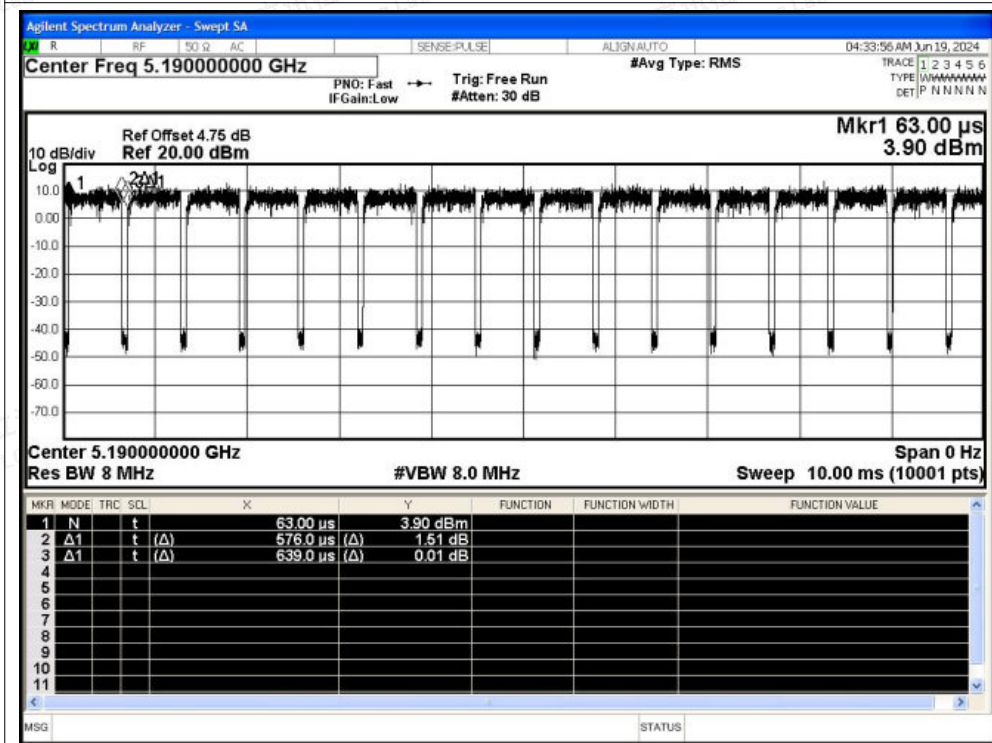


Duty Cycle NVNT n20 5240MHz Ant0

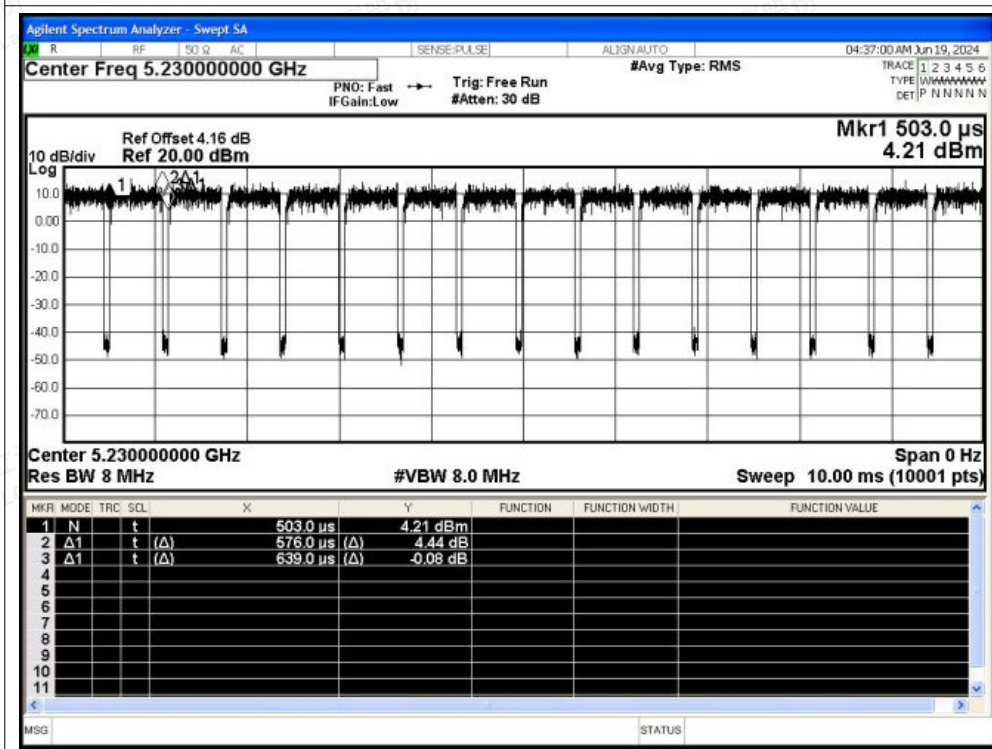




Duty Cycle NVNT n40 5190MHz Ant0

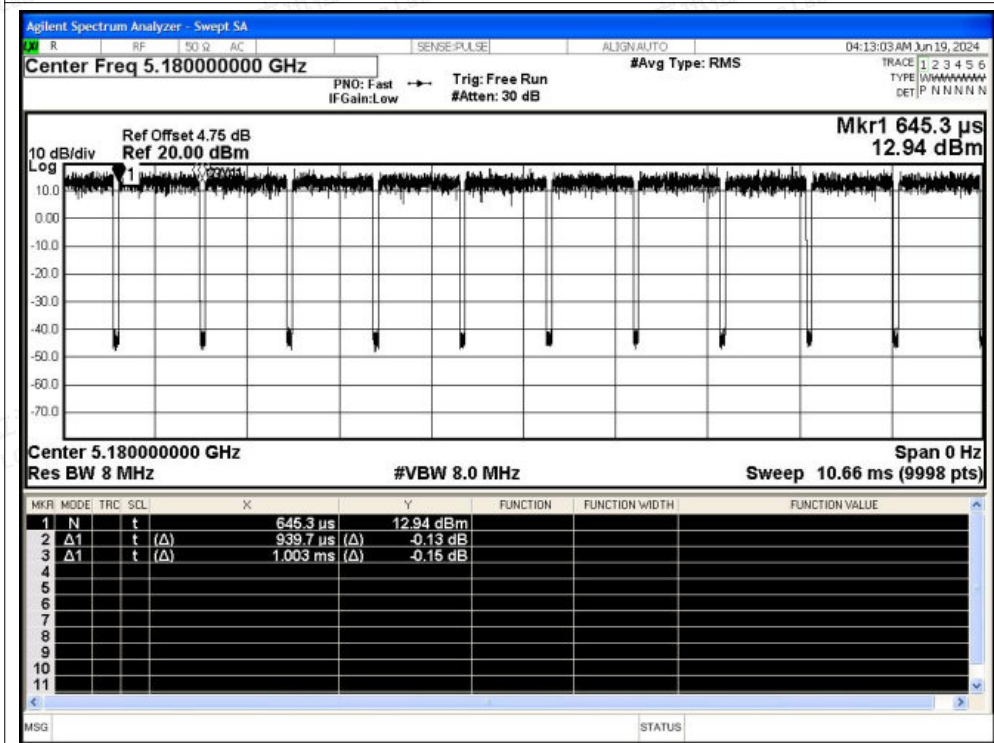


Duty Cycle NVNT n40 5230MHz Ant0

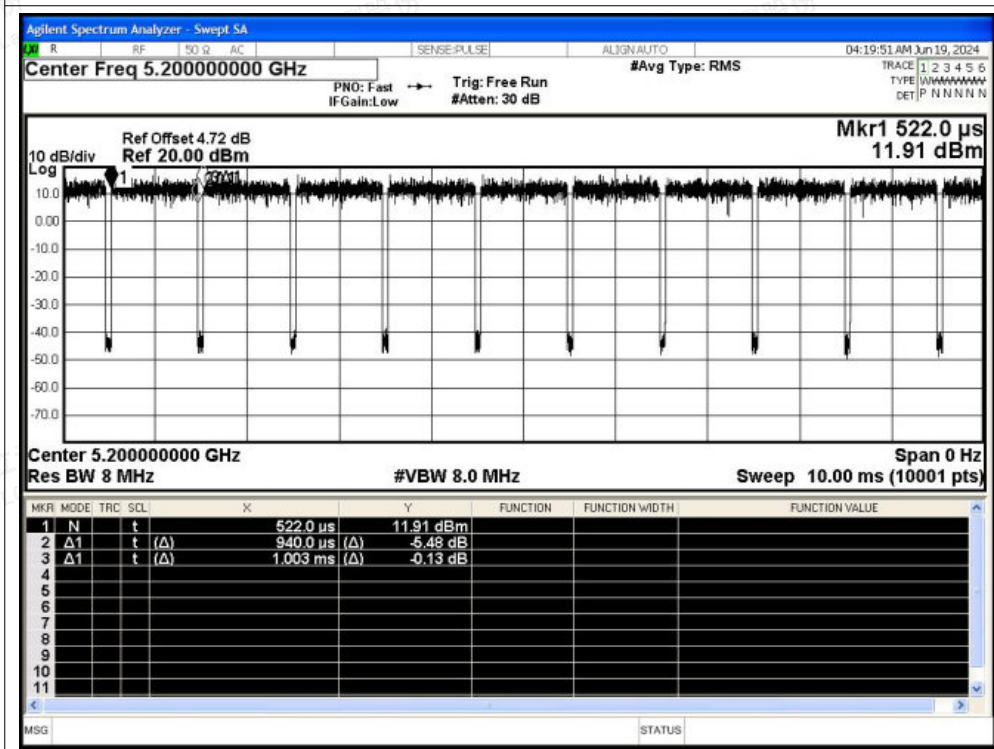




Duty Cycle NVNT ac20 5180MHz Ant0

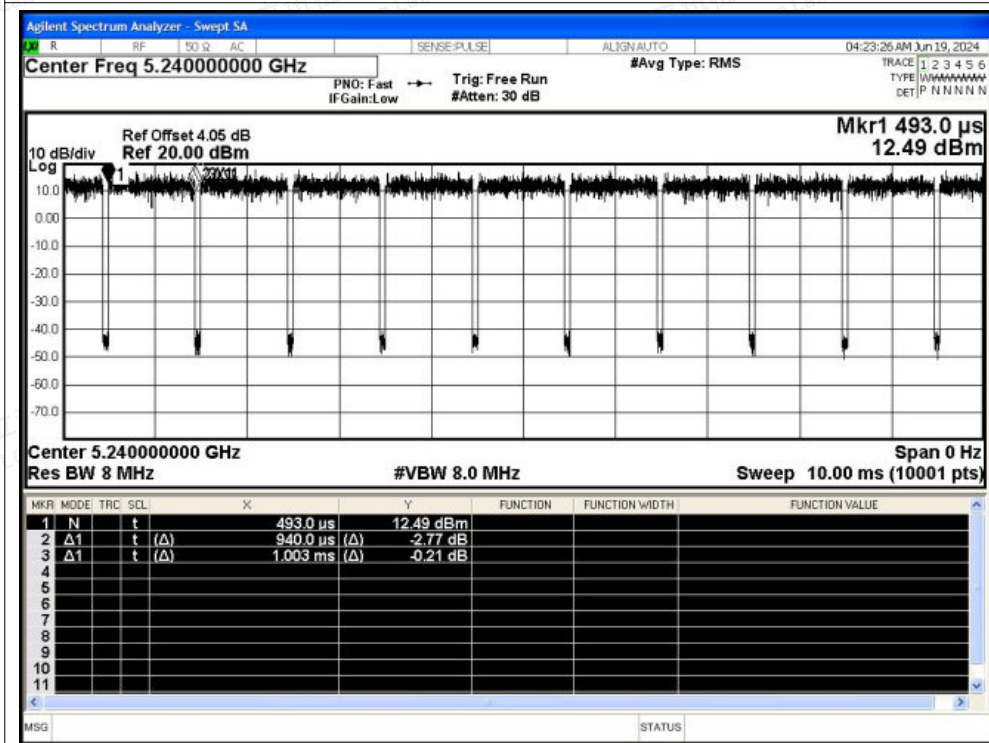


Duty Cycle NVNT ac20 5200MHz Ant0

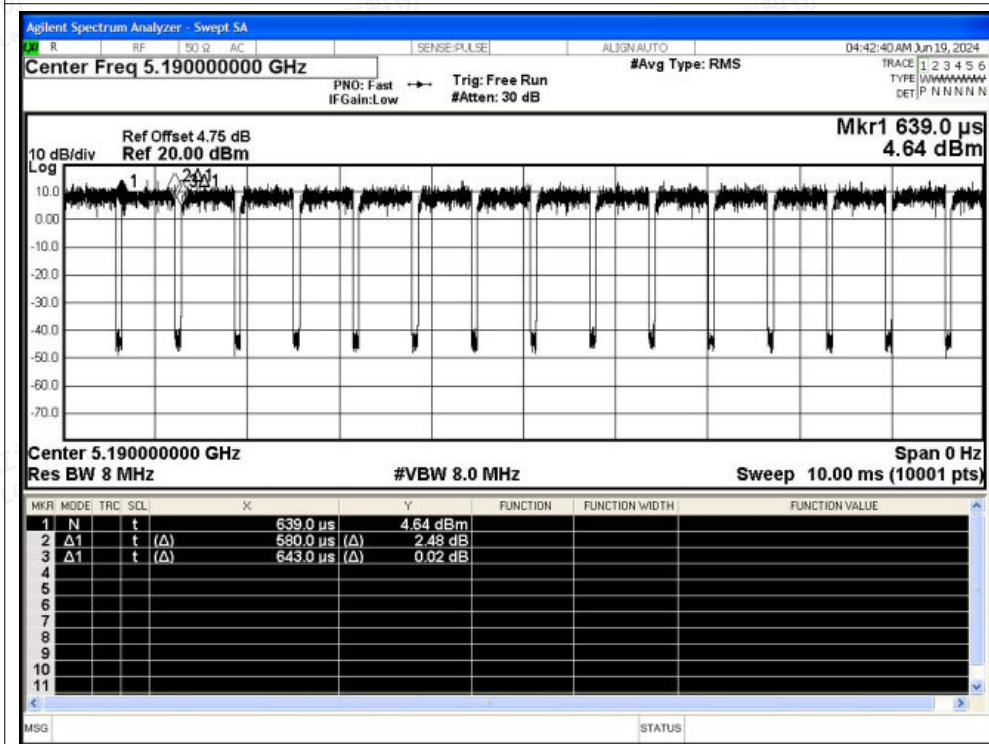




Duty Cycle NVNT ac20 5240MHz Ant0

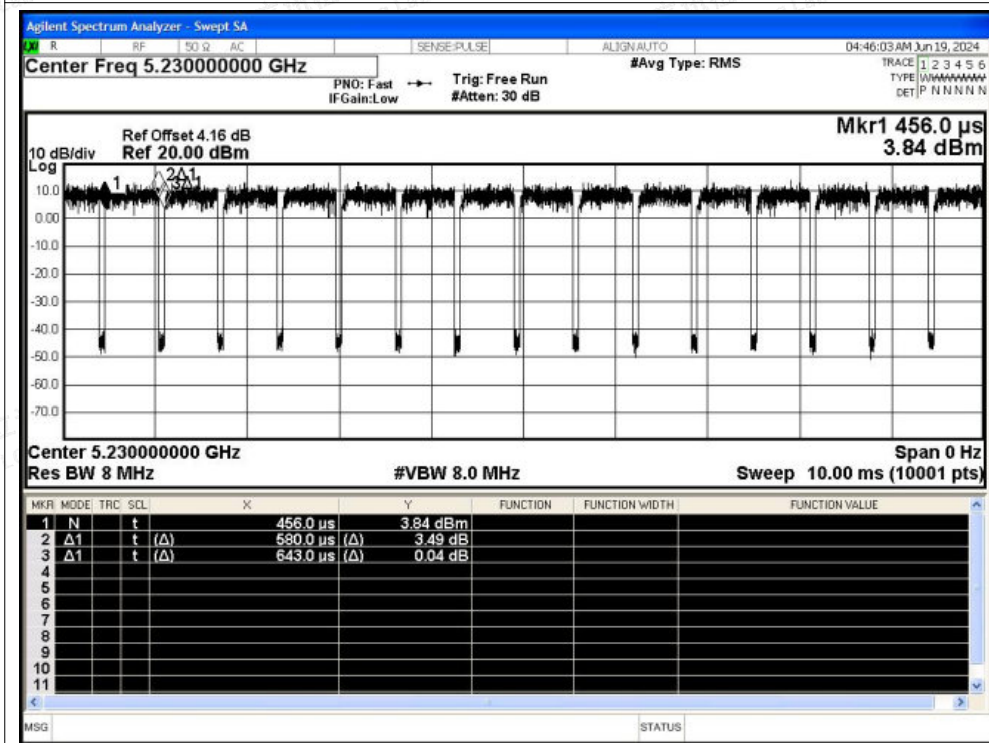


Duty Cycle NVNT ac40 5190MHz Ant0

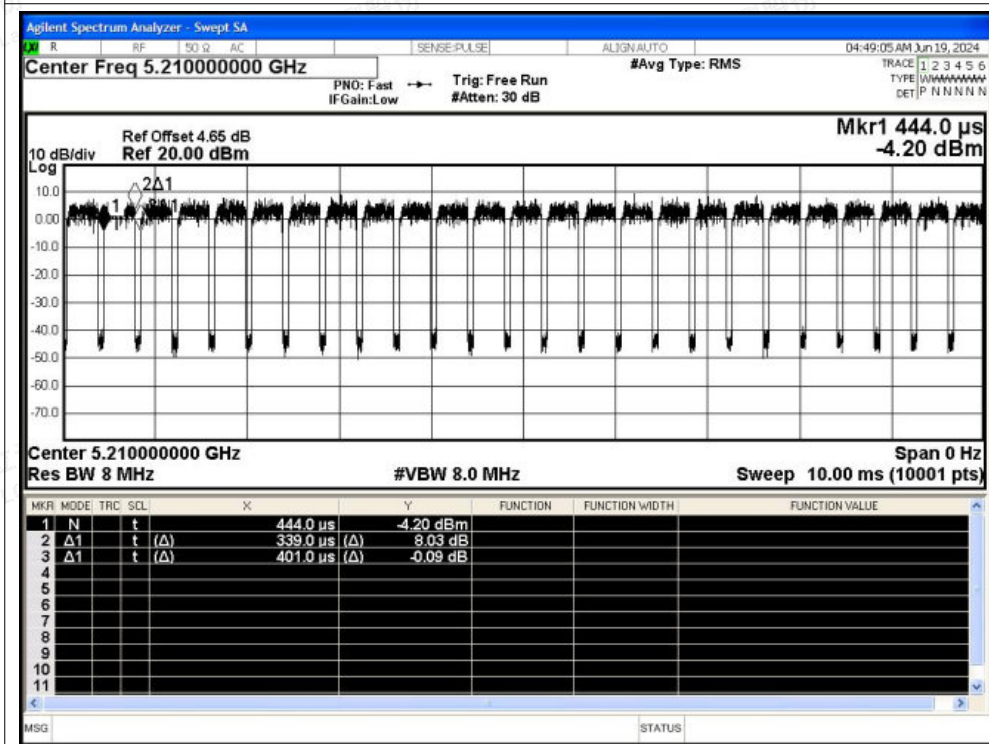




Duty Cycle NVNT ac40 5230MHz Ant0



Duty Cycle NVNT ac80 5210MHz Ant0





Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	94.56	0.24	0.91
NVNT	a	5200	Ant1	94.65	0.24	0.91
NVNT	a	5240	Ant1	94.56	0.24	0.91
NVNT	n20	5180	Ant1	93.77	0.28	1.07
NVNT	n20	5200	Ant1	93.77	0.28	1.07
NVNT	n20	5240	Ant1	93.67	0.28	1.07
NVNT	n40	5190	Ant1	97.23	0.12	0.46
NVNT	n40	5230	Ant1	97.23	0.12	0.46
NVNT	ac20	5180	Ant1	93.73	0.28	1.06
NVNT	ac20	5200	Ant1	93.82	0.28	1.06
NVNT	ac20	5240	Ant1	93.82	0.28	1.06
NVNT	ac40	5190	Ant1	97.24	0.12	0.46
NVNT	ac40	5230	Ant1	97.19	0.12	0.46
NVNT	ac80	5210	Ant1	94.32	0.25	0.97

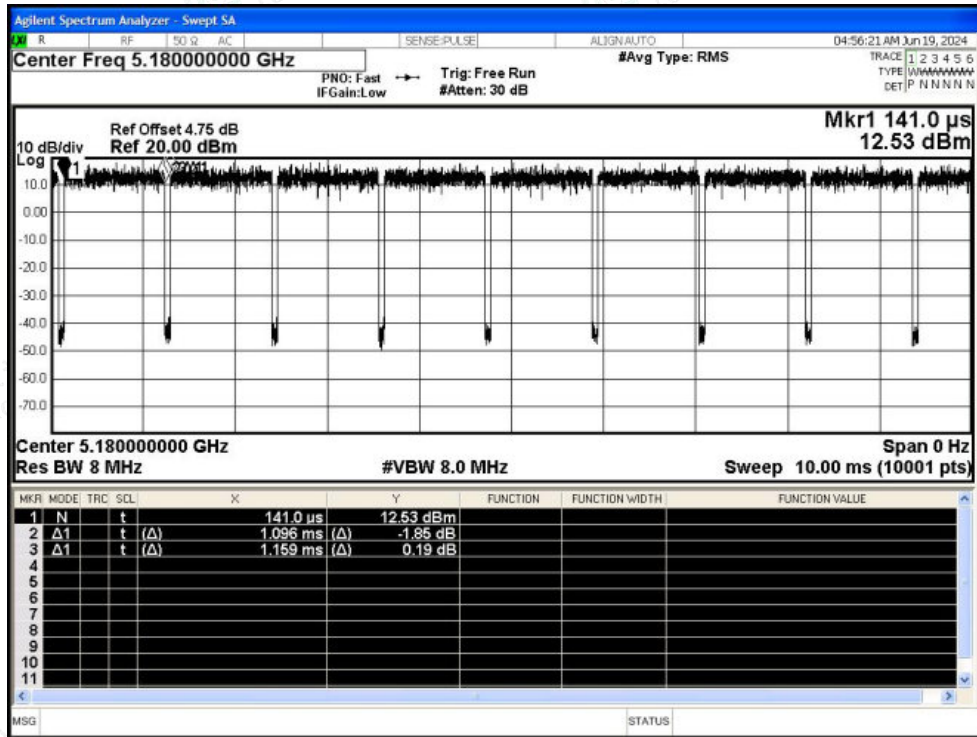


Shenzhen LCS Compliance Testing Laboratory Ltd.  
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

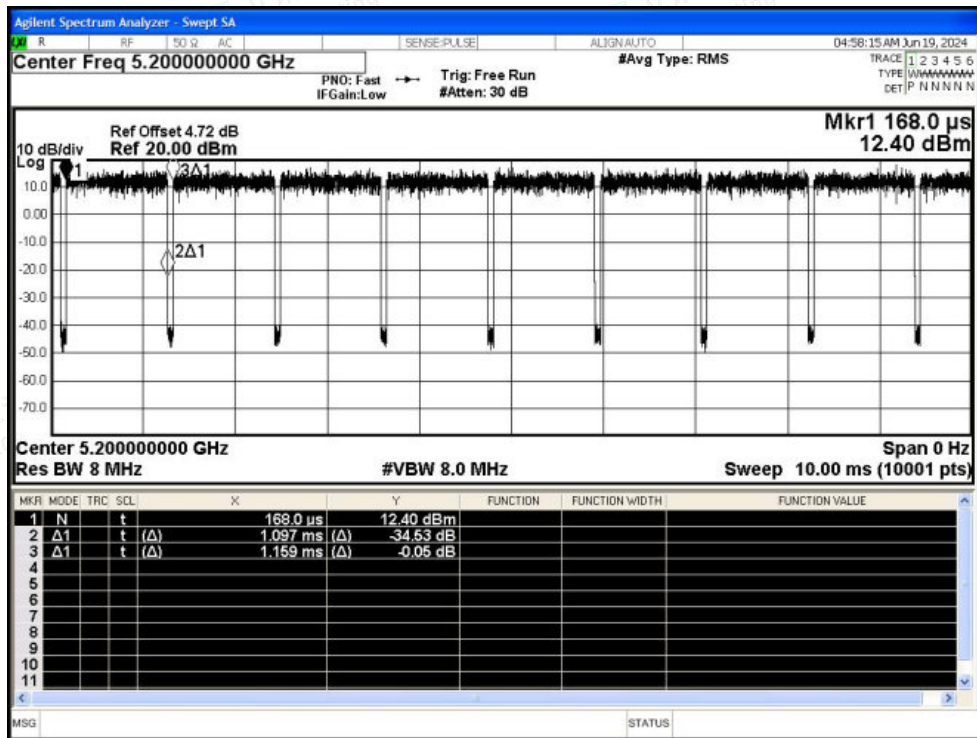


Test Graphs

Duty Cycle NVNT a 5180MHz



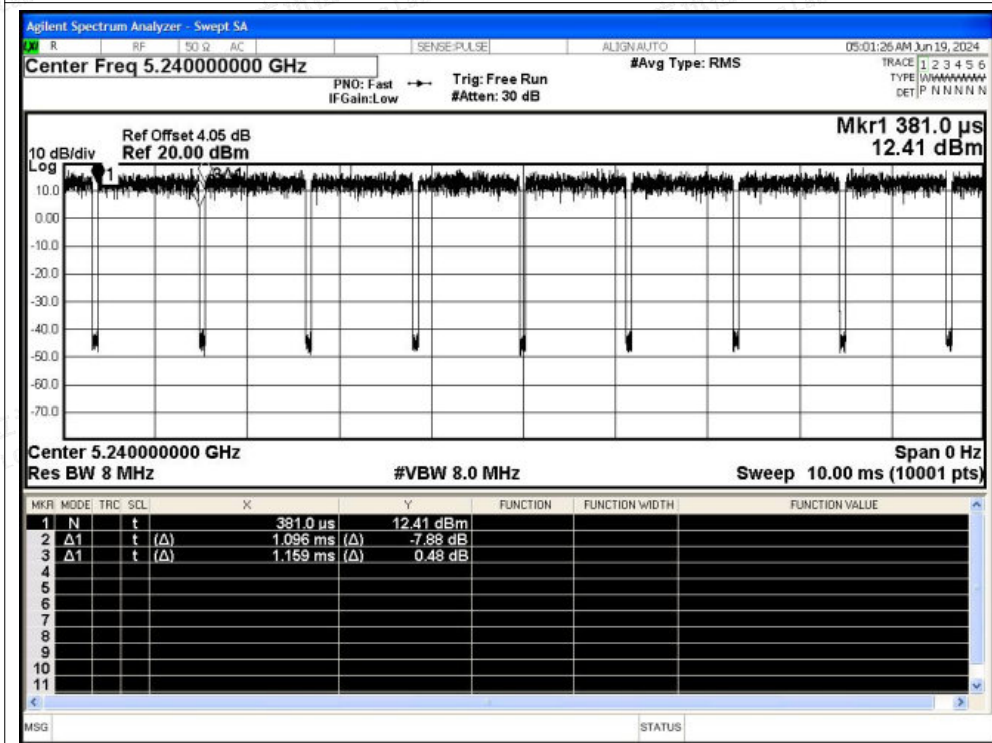
Duty Cycle NVNT a 5200MHz



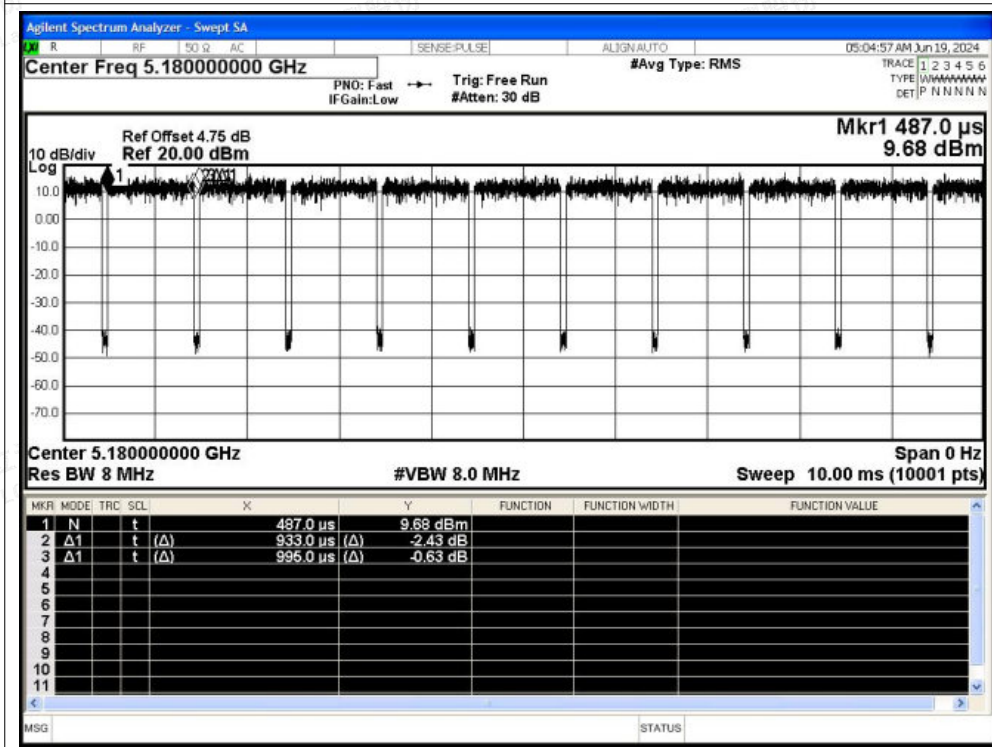




Duty Cycle NVNT a 5240MHz

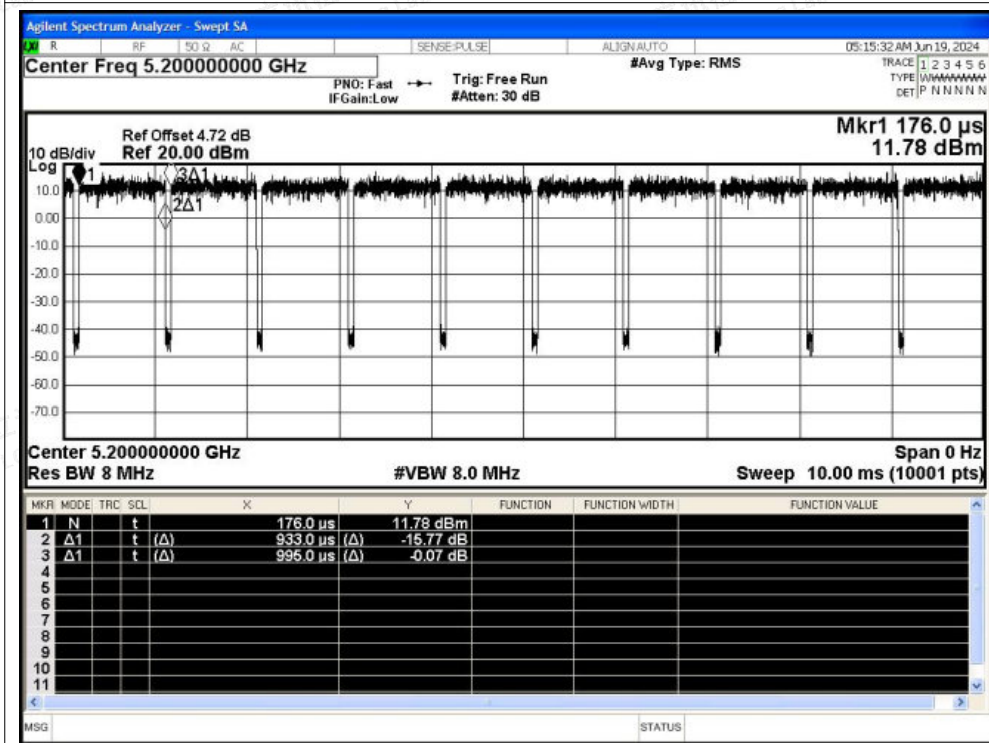


Duty Cycle NVNT n20 5180MHz

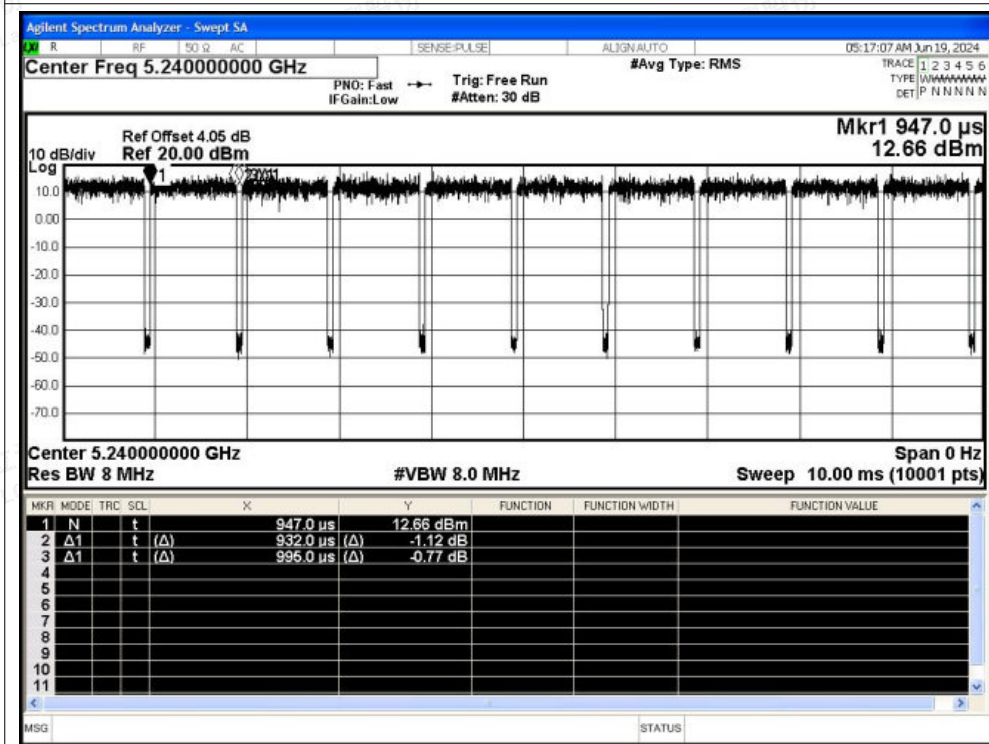




Duty Cycle NVNT n20 5200MHz

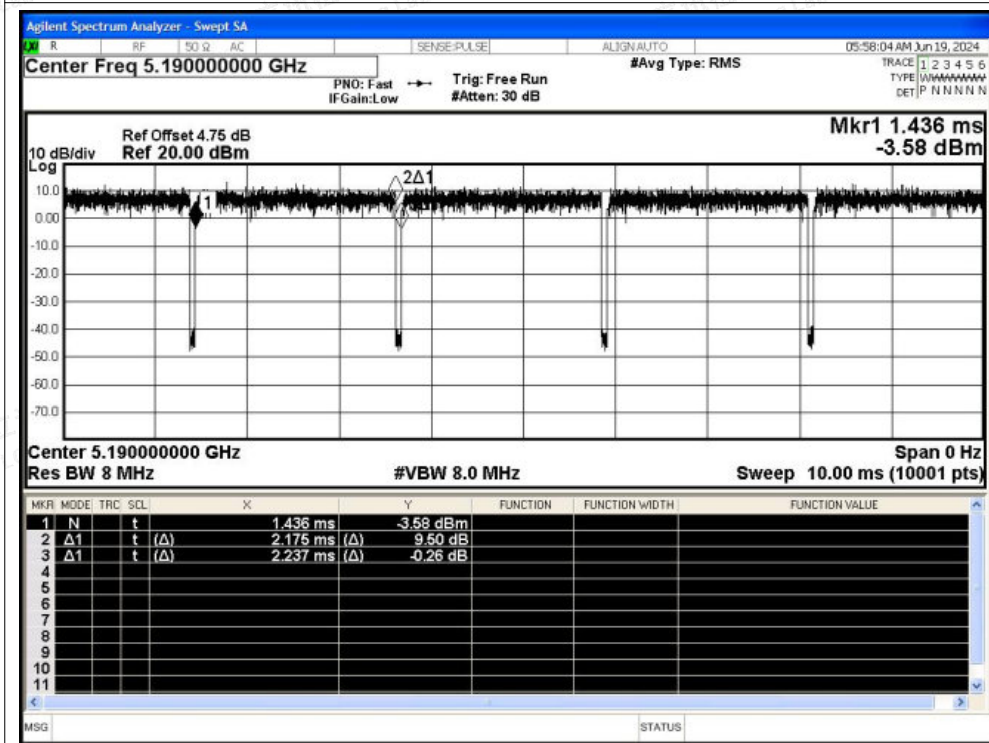


Duty Cycle NVNT n20 5240MHz

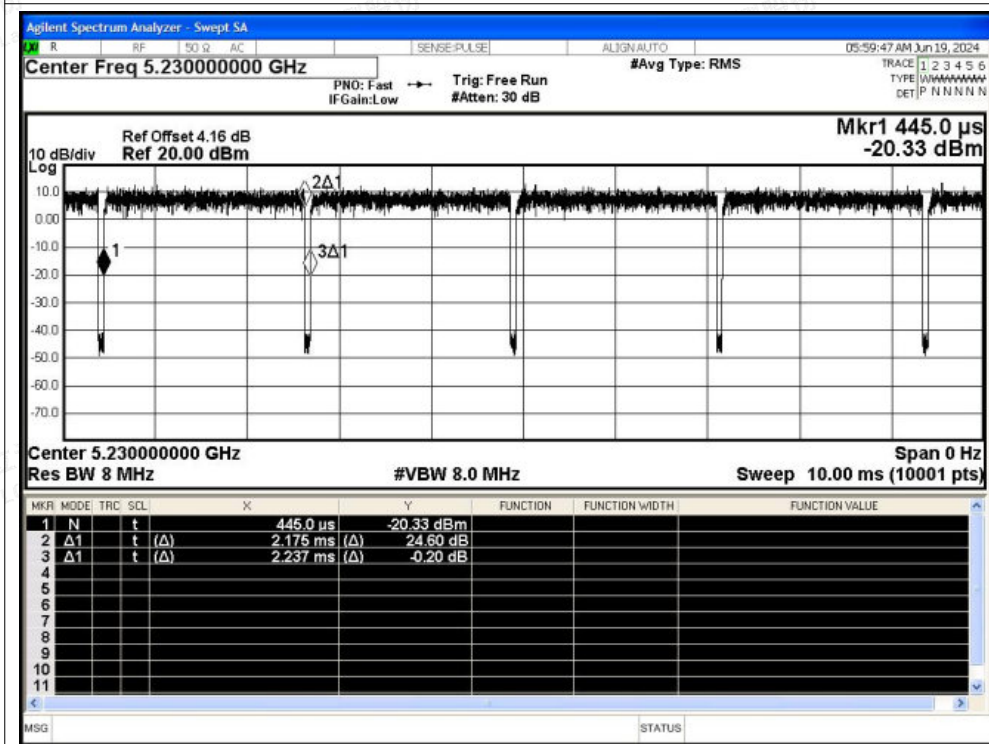




Duty Cycle NVNT n40 5190MHz

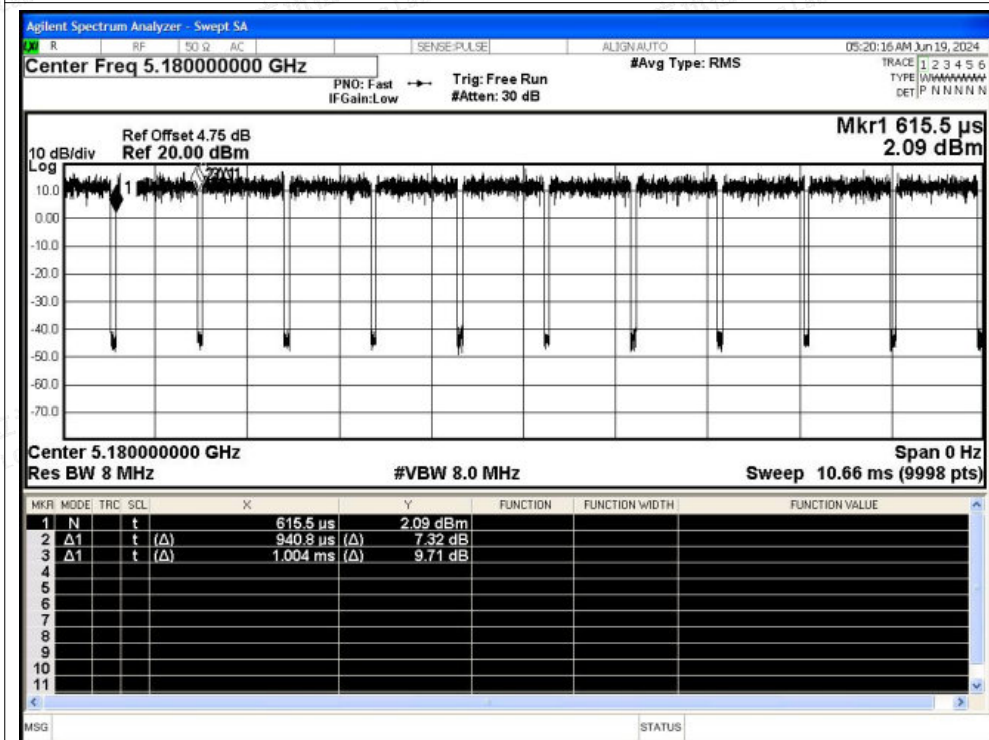


Duty Cycle NVNT n40 5230MHz





Duty Cycle NVNT ac20 5180MHz



Duty Cycle NVNT ac20 5200MHz

