

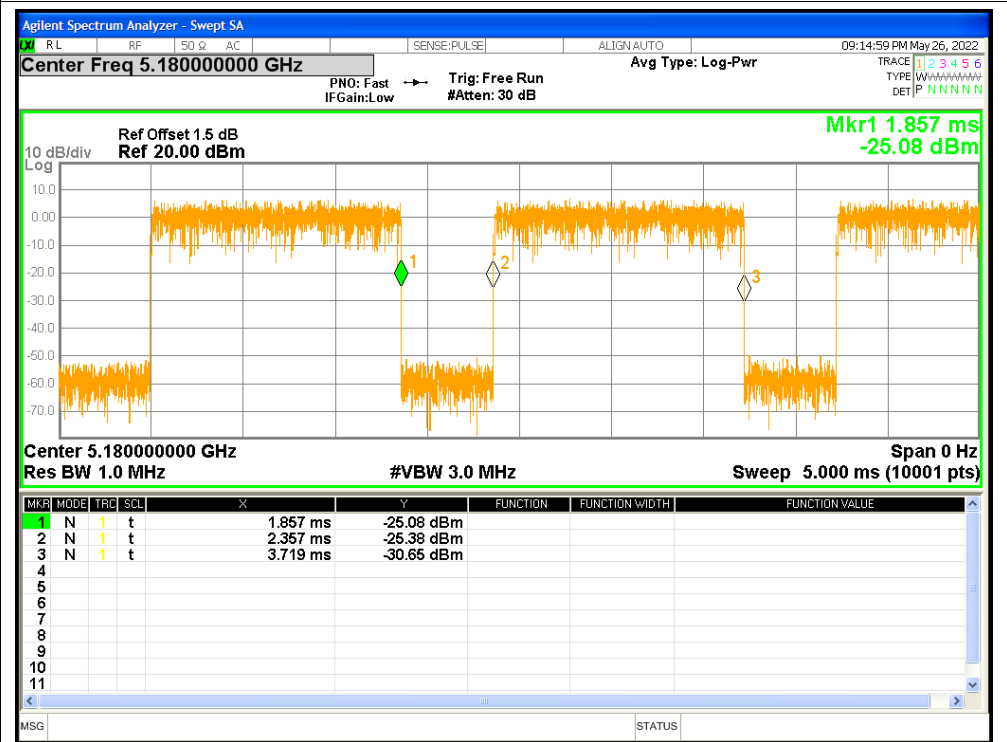
Duty Cycle

ANT A

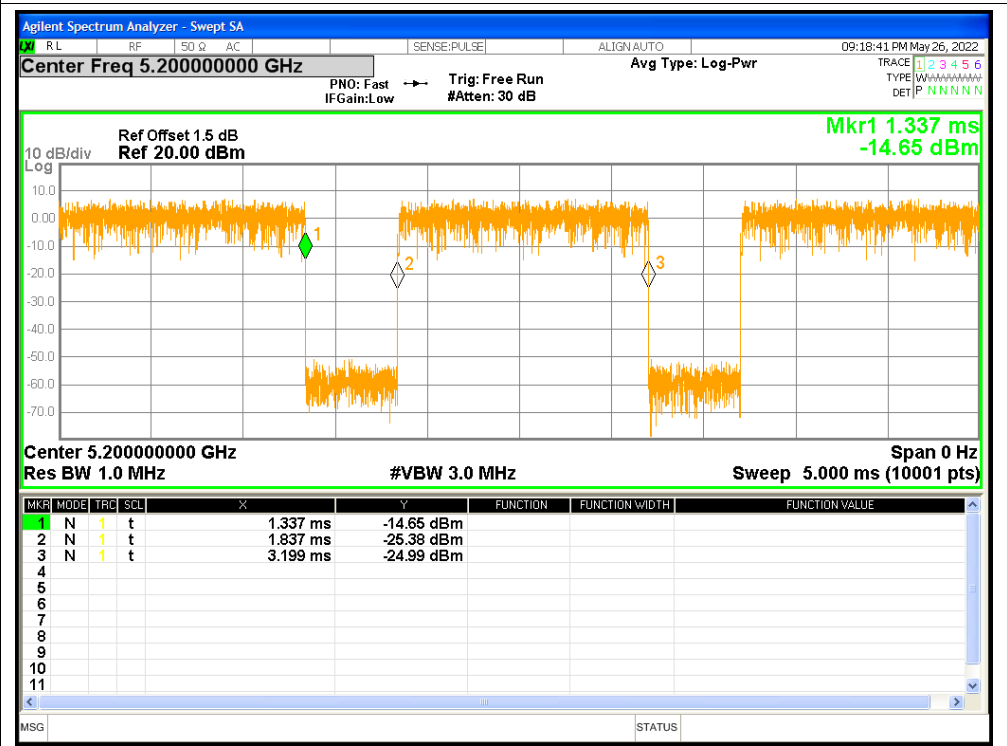
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	73.15	1.36	0.73
NVNT	a	5200	73.15	1.36	0.73
NVNT	a	5240	73.15	1.36	0.73
NVNT	n20	5180	71.85	1.44	0.78
NVNT	n20	5200	71.82	1.44	0.78
NVNT	n20	5240	71.82	1.44	0.78
NVNT	n40	5190	55.92	2.52	1.58
NVNT	n40	5230	55.96	2.52	1.58

Test Graphs

Duty Cycle NVNT a 5180MHz



Duty Cycle NVNT a 5200MHz



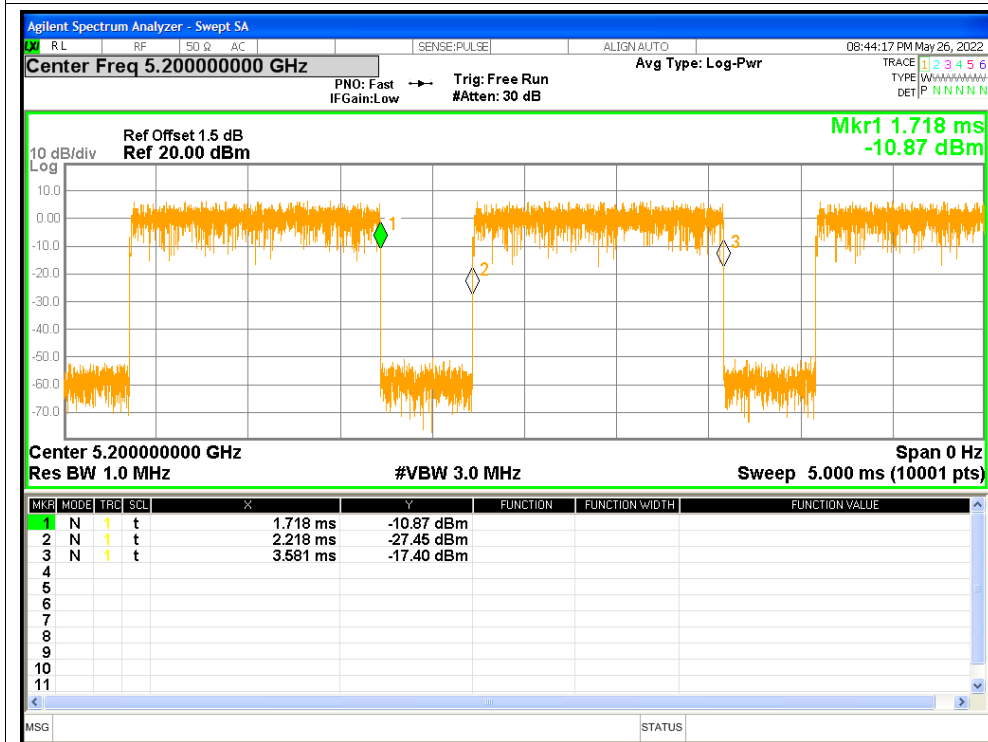
Duty Cycle NVNT a 5240MHz

Duty Cycle NVNT n20 5200MHz

Duty Cycle NVNT n40 5190MHz

ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	73.15	1.36	0.73
NVNT	a	5200	73.15	1.36	0.73
NVNT	a	5240	73.15	1.36	0.73
NVNT	n20	5180	71.82	1.44	0.78
NVNT	n20	5200	71.82	1.44	0.78
NVNT	n20	5240	71.82	1.44	0.78
NVNT	n40	5190	55.92	2.52	1.58
NVNT	n40	5230	55.92	2.52	1.58



Duty Cycle NVNT a 5240MHz

Duty Cycle NVNT n20 5200MHz

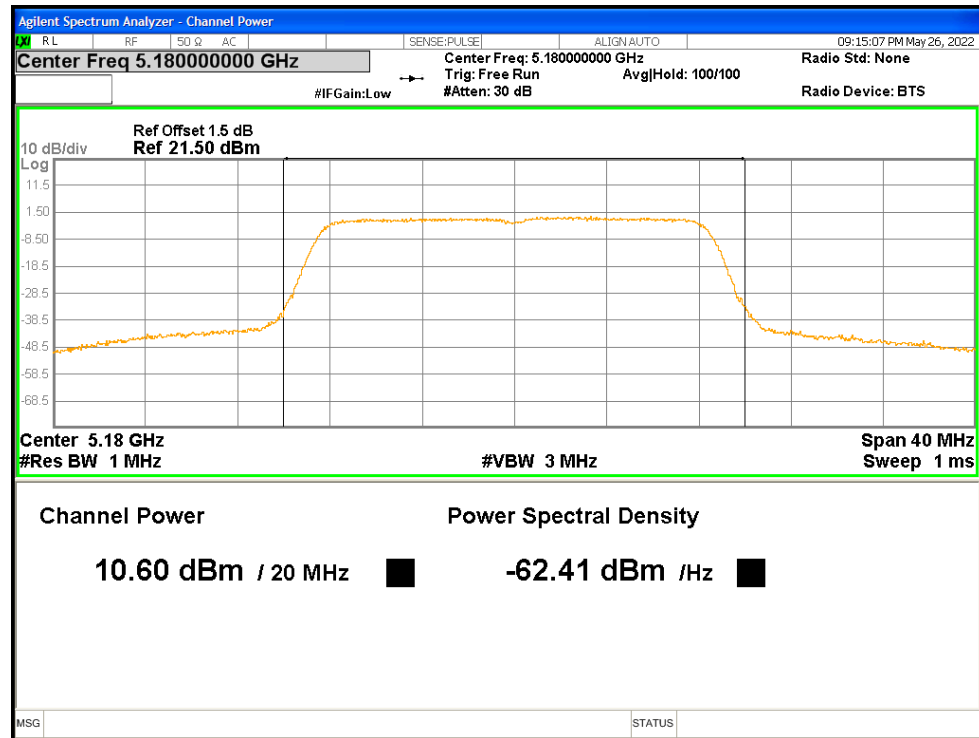
Maximum Average Conducted Output Power

U-NII 1								
Test Channel	Frequency (MHz)	Direct measurement Ant_A AV Power (dBm)	Direct measurement Ant B_AV Power (dBm)	Duty cycle factor (dB)	Final Ant_A AV Power (dBm)	Final Ant_B AV Power (dBm)	AV Power Total (dBm)	LIMIT (dBm)
802.11a								
36	5180	9.99	10.60	1.357	11.35	11.96	--	23.98
40	5200	10.42	10.88	1.357	11.78	12.24	--	23.98
48	5240	10.88	11.75	1.357	12.24	13.11	--	23.98
802.11n(HT20)								
36	5180	9.20	10.18	1.438	10.64	11.62	14.17	23.98
40	5200	9.52	10.35	1.438	10.96	11.79	14.40	23.98
48	5240	9.91	11.18	1.438	11.35	12.62	15.04	23.98
802.11n(HT40)								
38	5190	7.75	8.95	2.525	10.27	11.47	13.93	23.98
46	5230	8.90	9.42	2.525	11.42	11.94	14.70	23.98

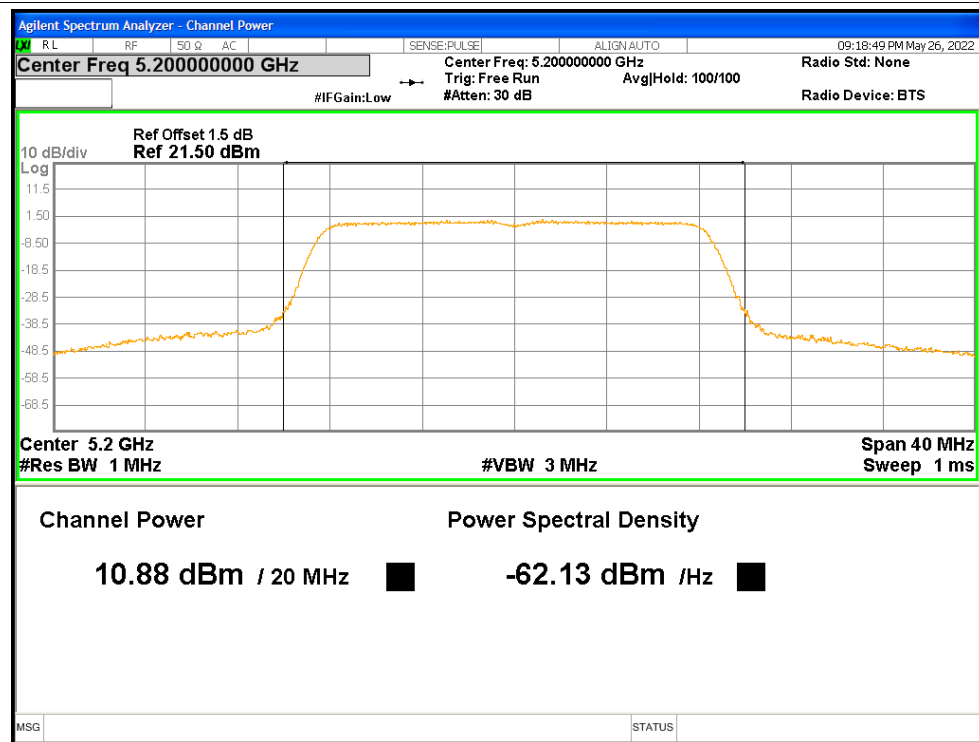
ANT A

Test Graphs

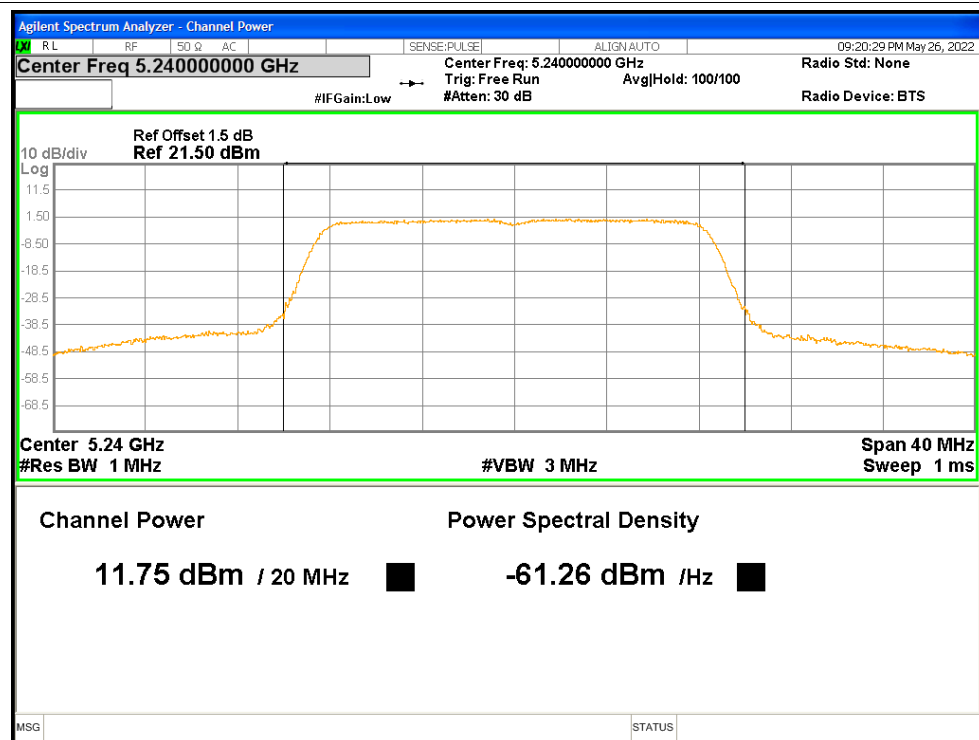
Average Power NVNT a 5180MHz



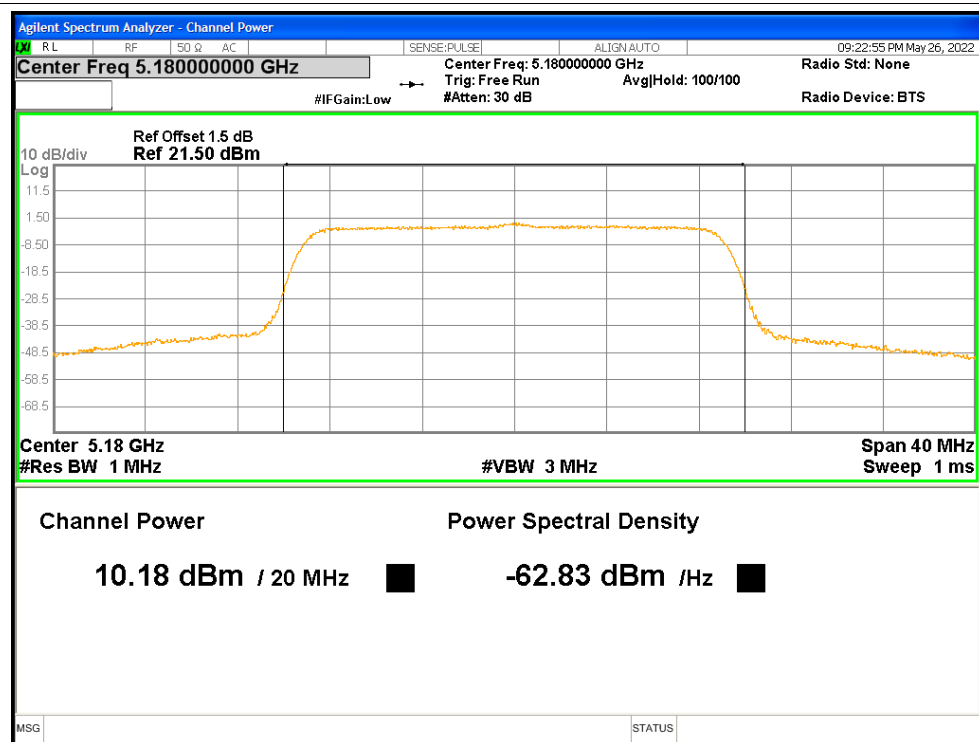
Average Power NVNT a 5200MHz



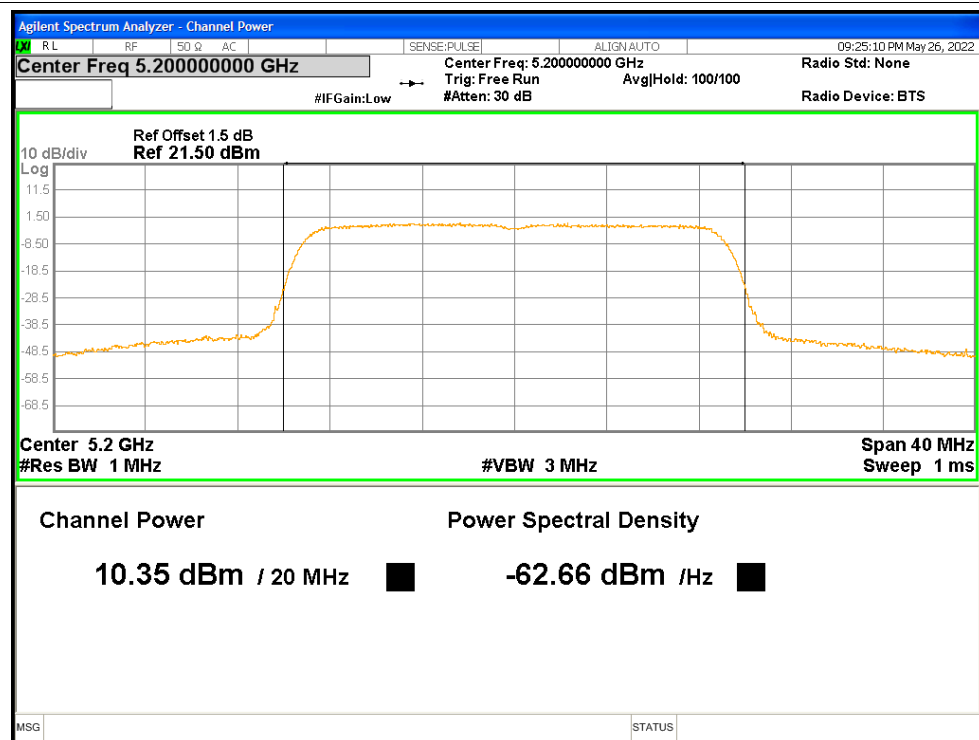
Average Power NVNT a 5240MHz



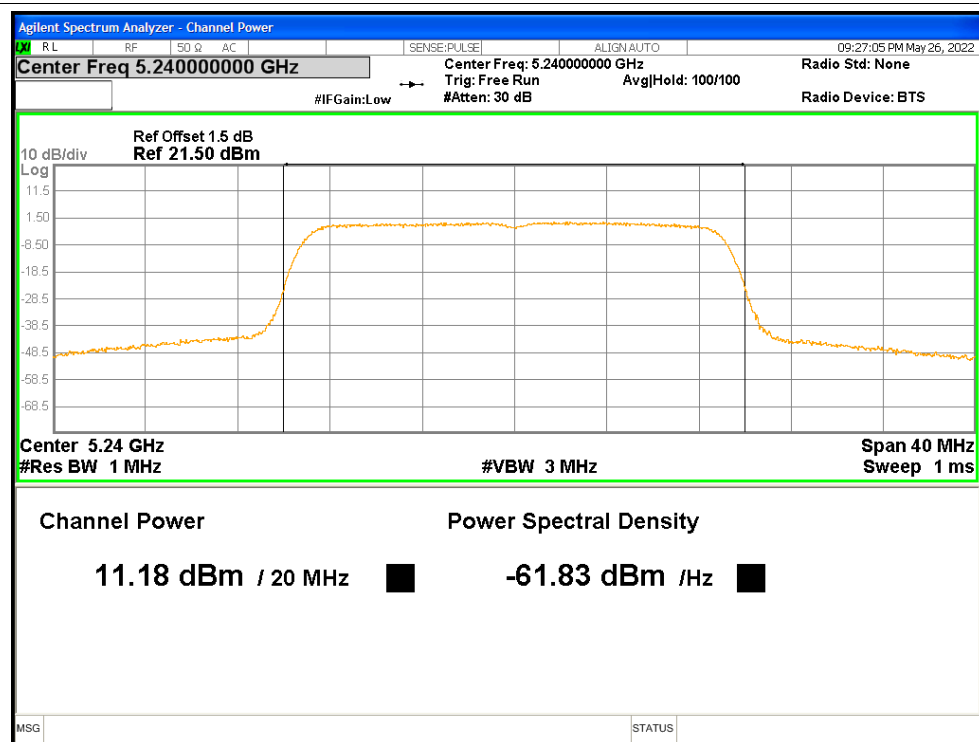
Average Power NVNT n20 5180MHz



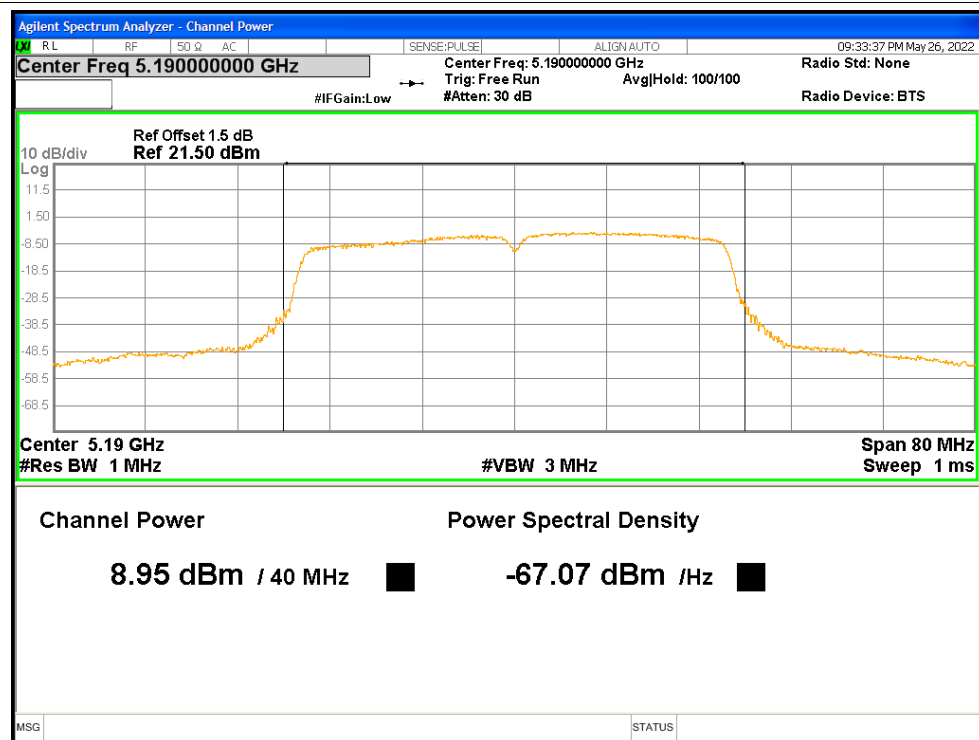
Average Power NVNT n20 5200MHz



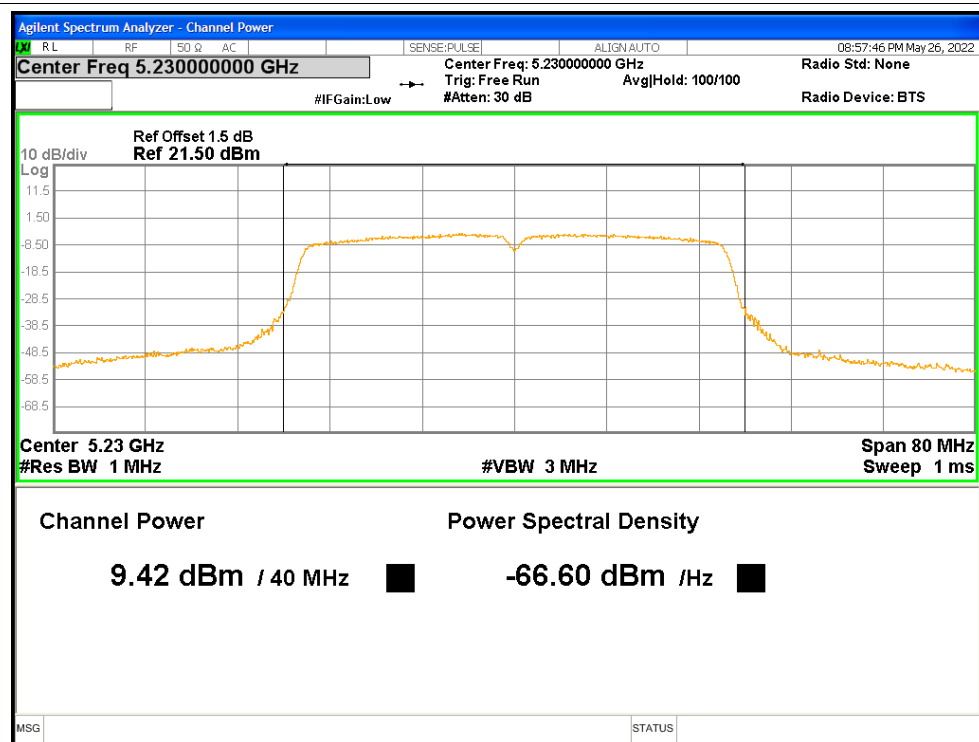
Average Power NVNT n20 5240MHz



Average Power NVNT n40 5190MHz



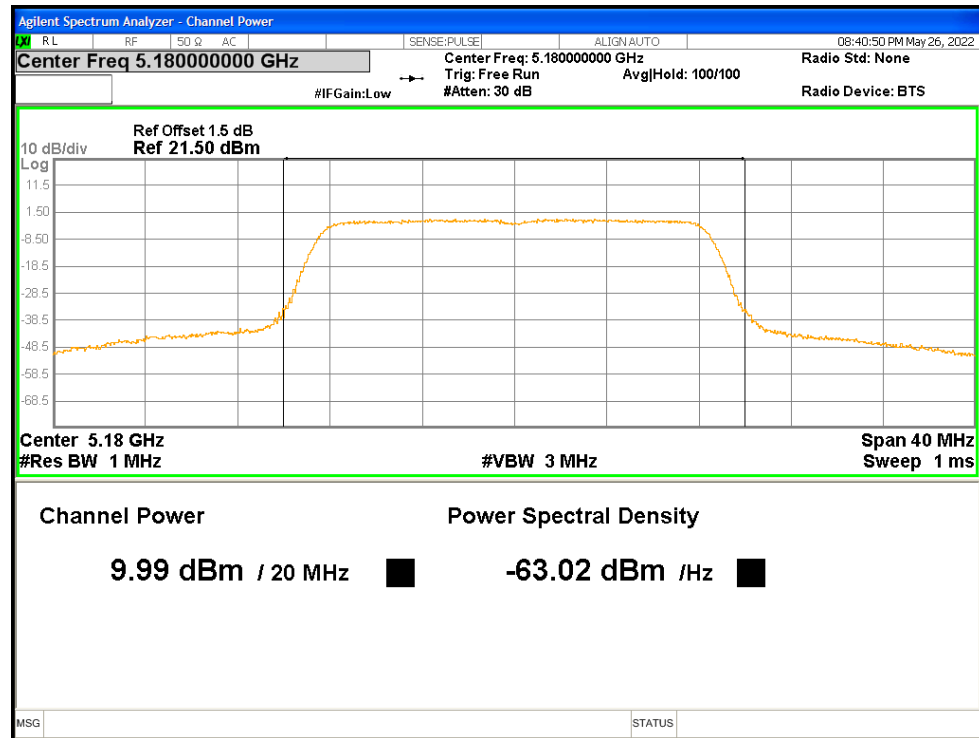
Average Power NVNT n40 5230MHz



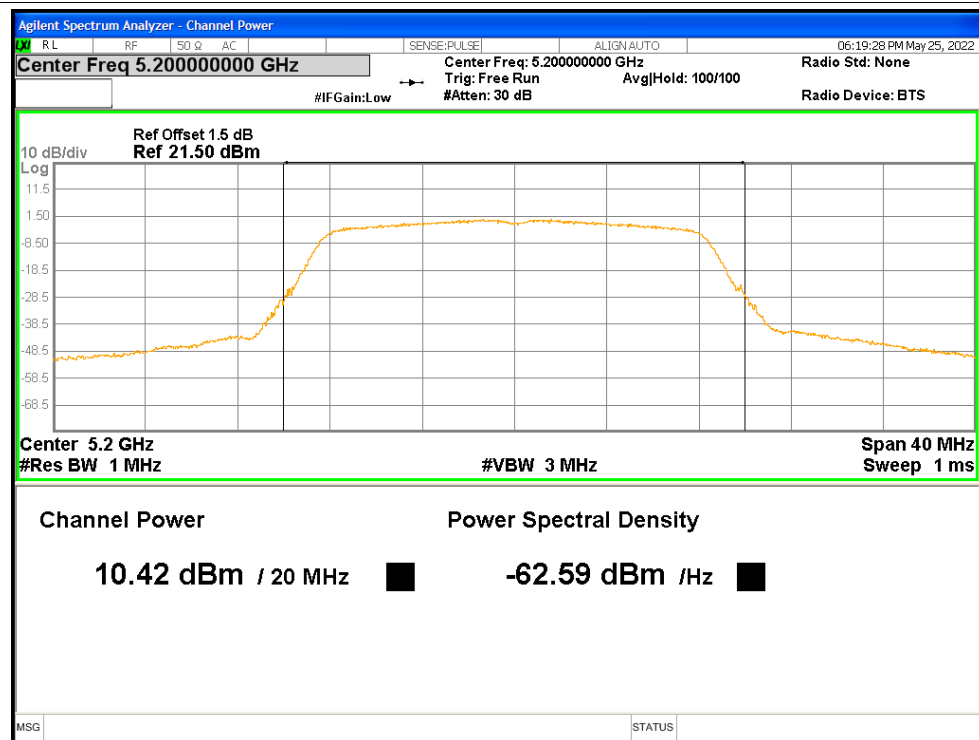
ANT B

Test Graphs

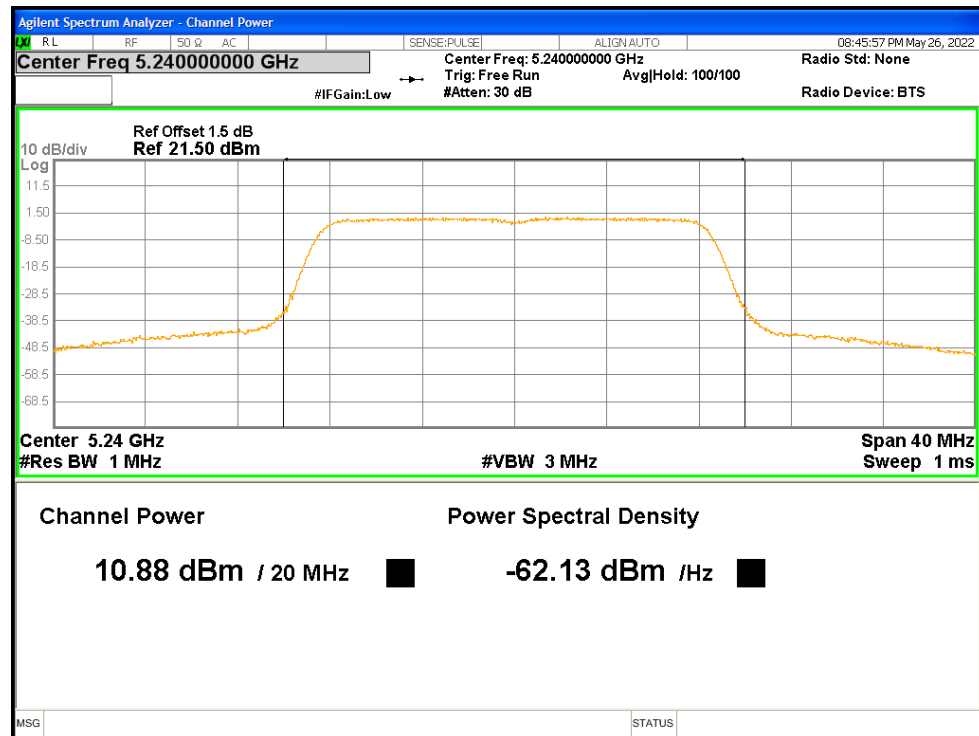
Average Power NVNT a 5180MHz



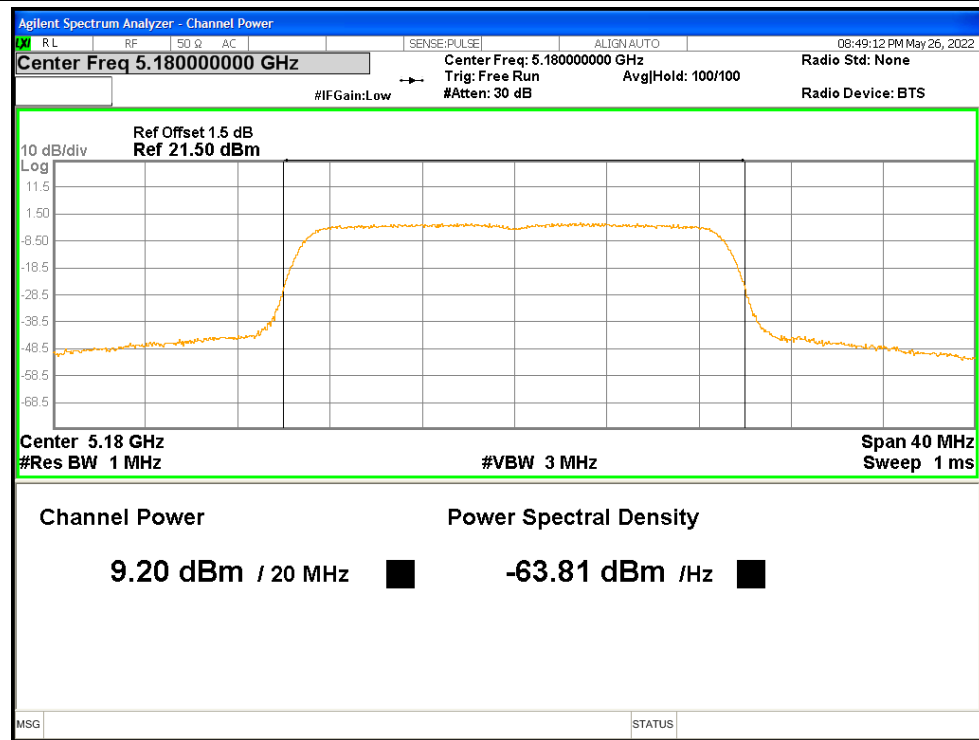
Average Power NVNT a 5200MHz



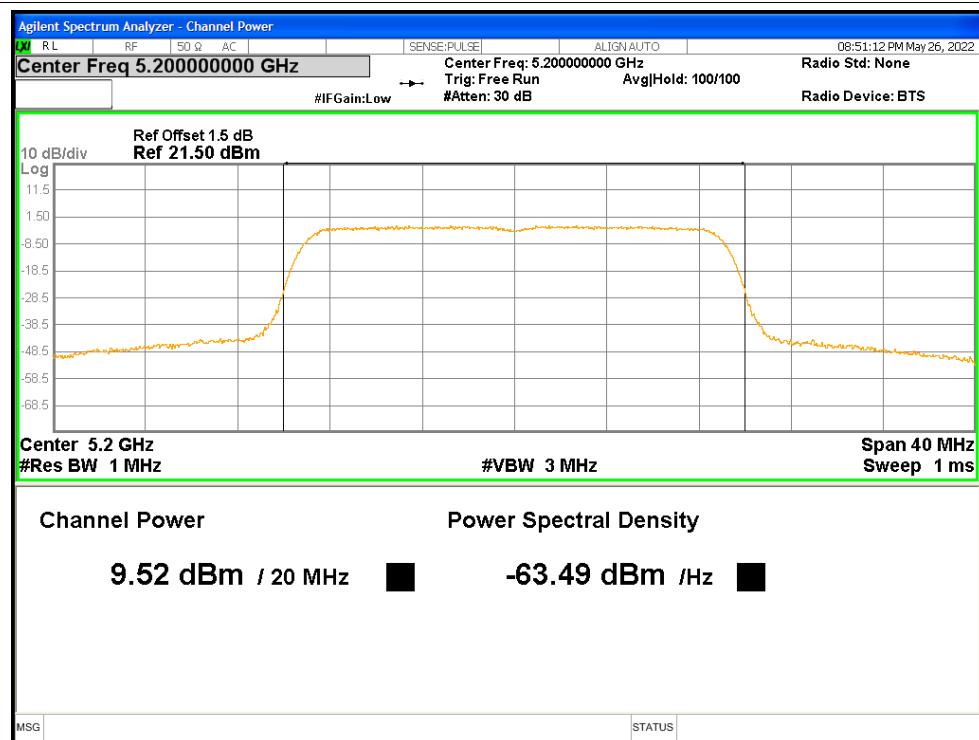
Average Power NVNT a 5240MHz



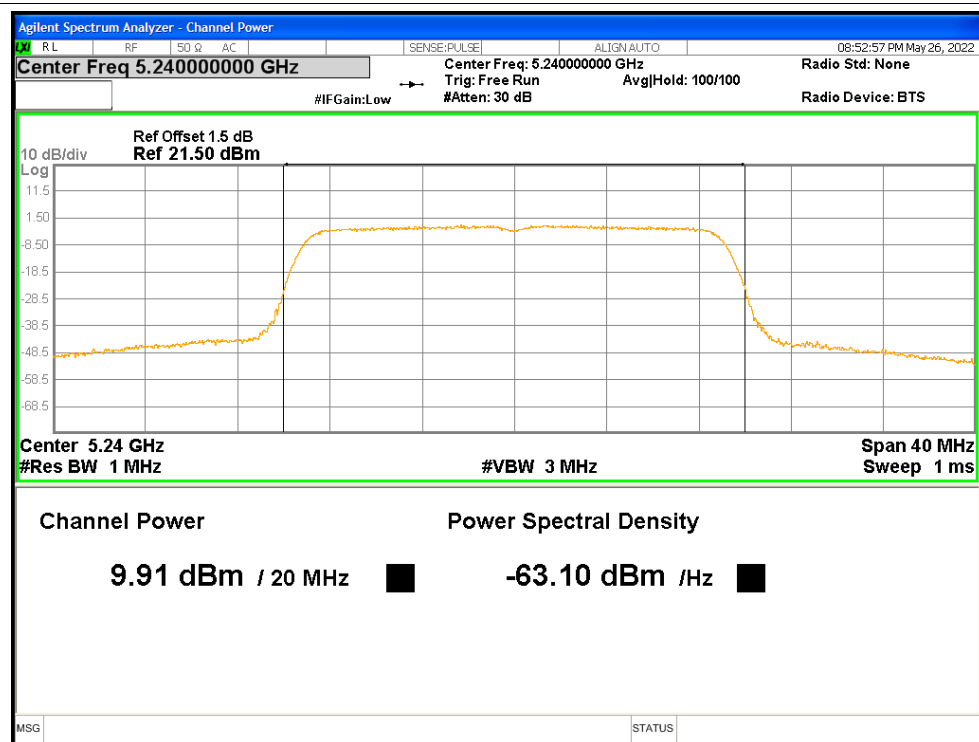
Average Power NVNT n20 5180MHz



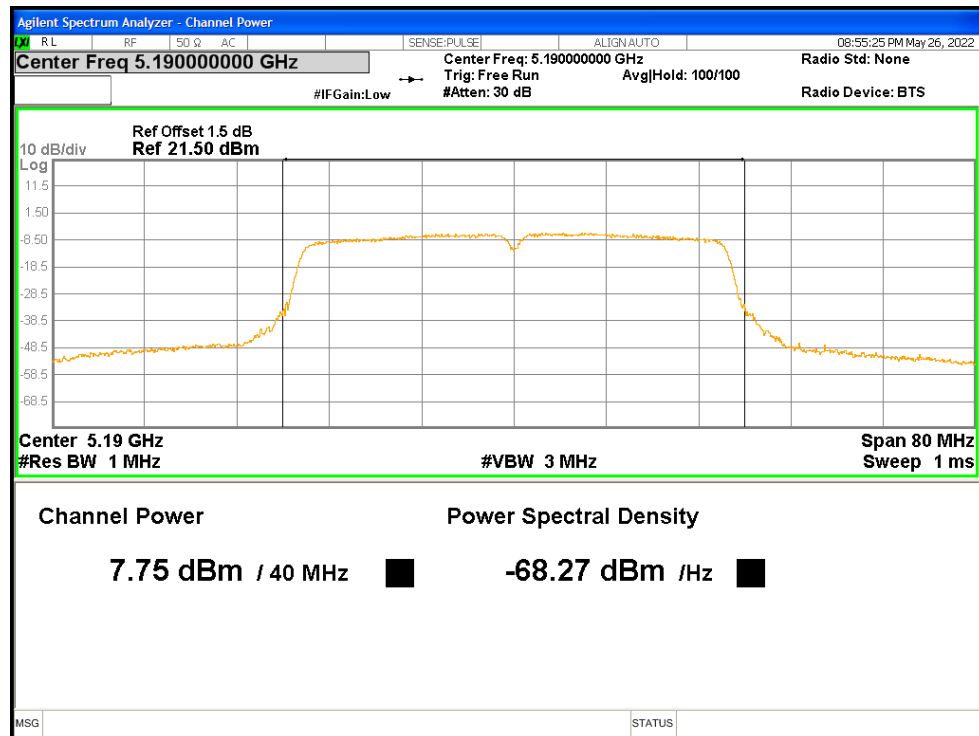
Average Power NVNT n20 5200MHz



Average Power NVNT n20 5240MHz



Average Power NVNT n40 5190MHz



Average Power NVNT n40 5230MHz

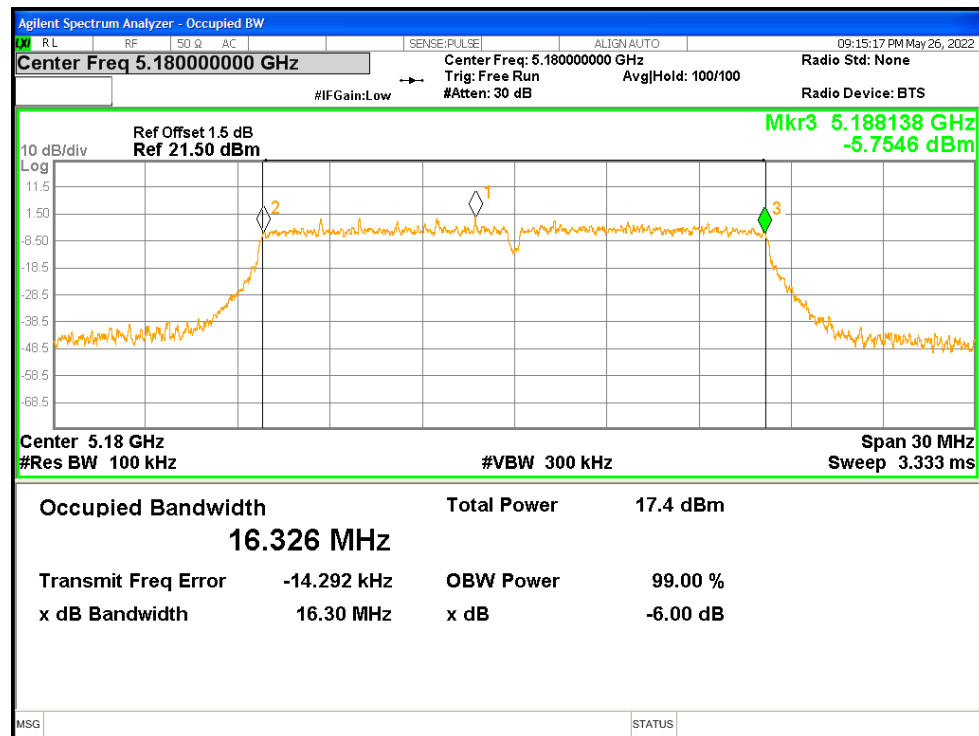


-6B Bandwidth

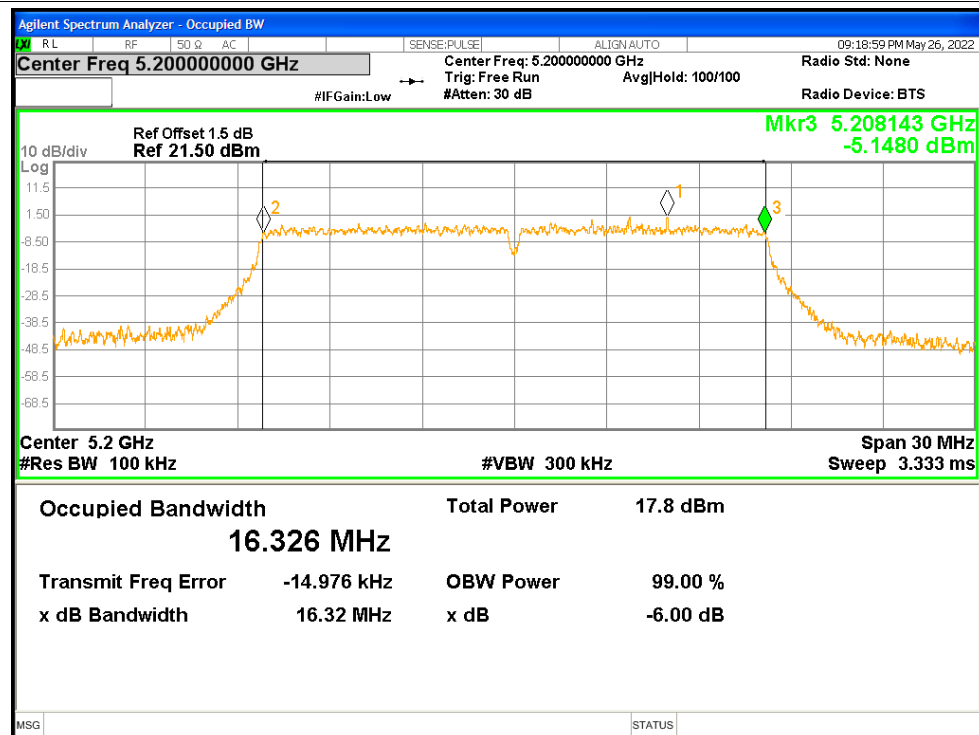
Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	16.304	≥ 0.5	Pass
NVNT	a	5200	16.316	≥ 0.5	Pass
NVNT	a	5240	16.299	≥ 0.5	Pass
NVNT	n20	5180	17.569	≥ 0.5	Pass
NVNT	n20	5200	17.089	≥ 0.5	Pass
NVNT	n20	5240	17.161	≥ 0.5	Pass
NVNT	n40	5190	35.129	≥ 0.5	Pass
NVNT	n40	5230	35.123	≥ 0.5	Pass

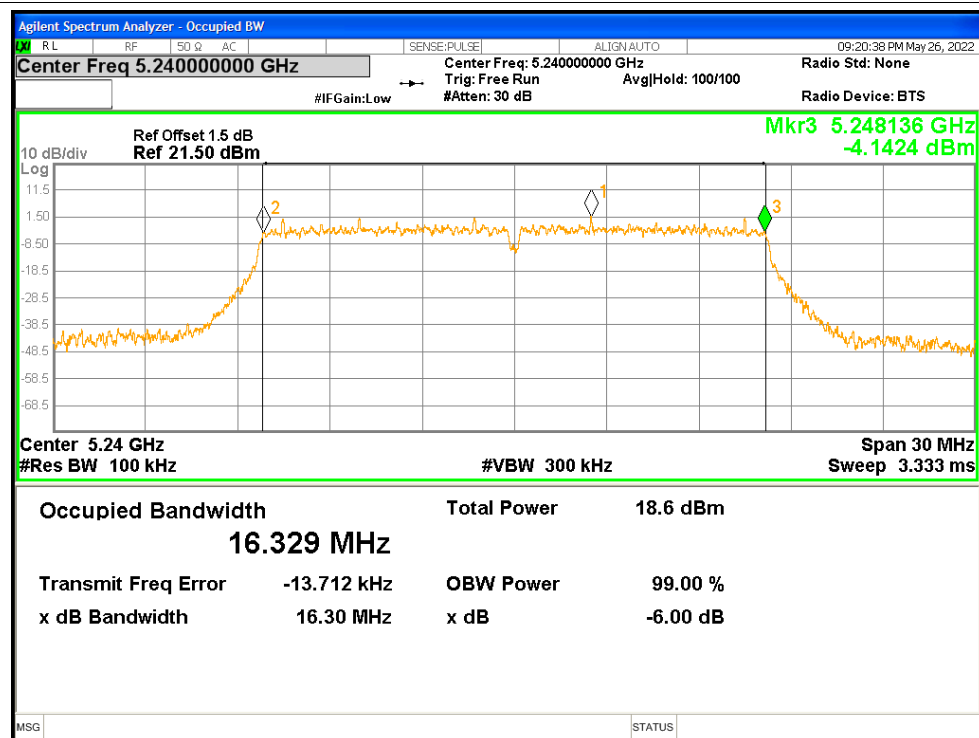
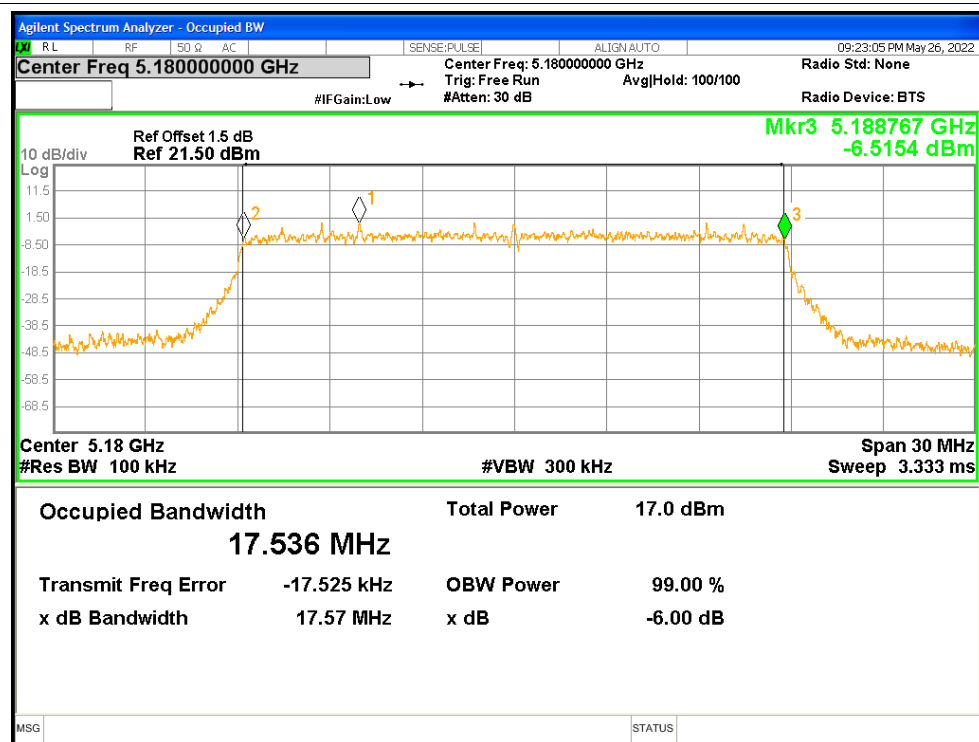
Test Graphs

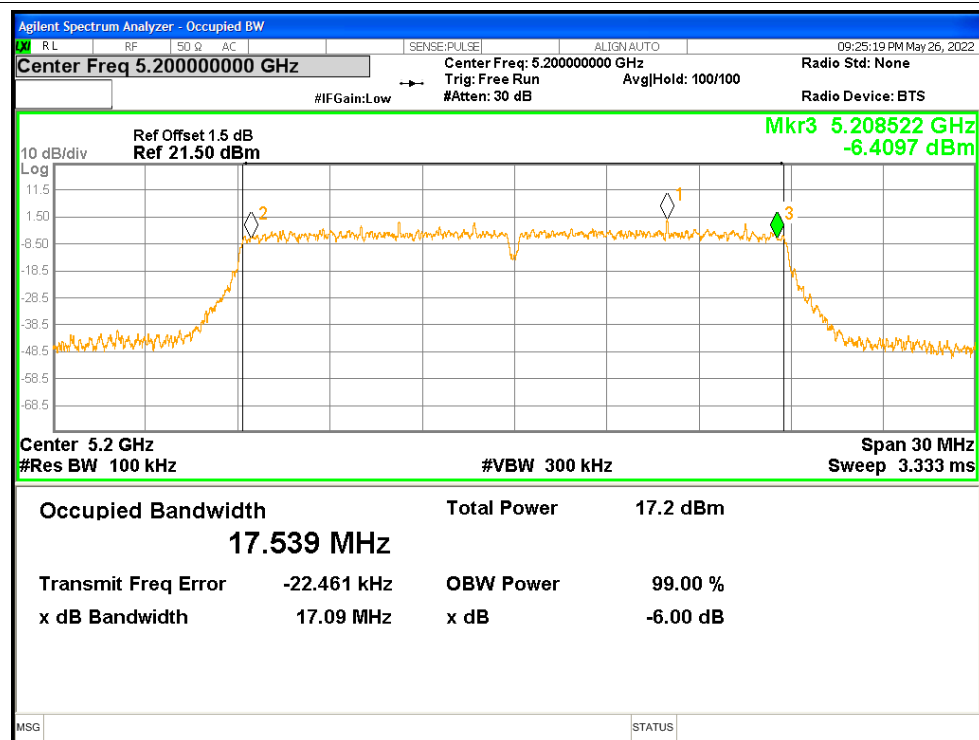
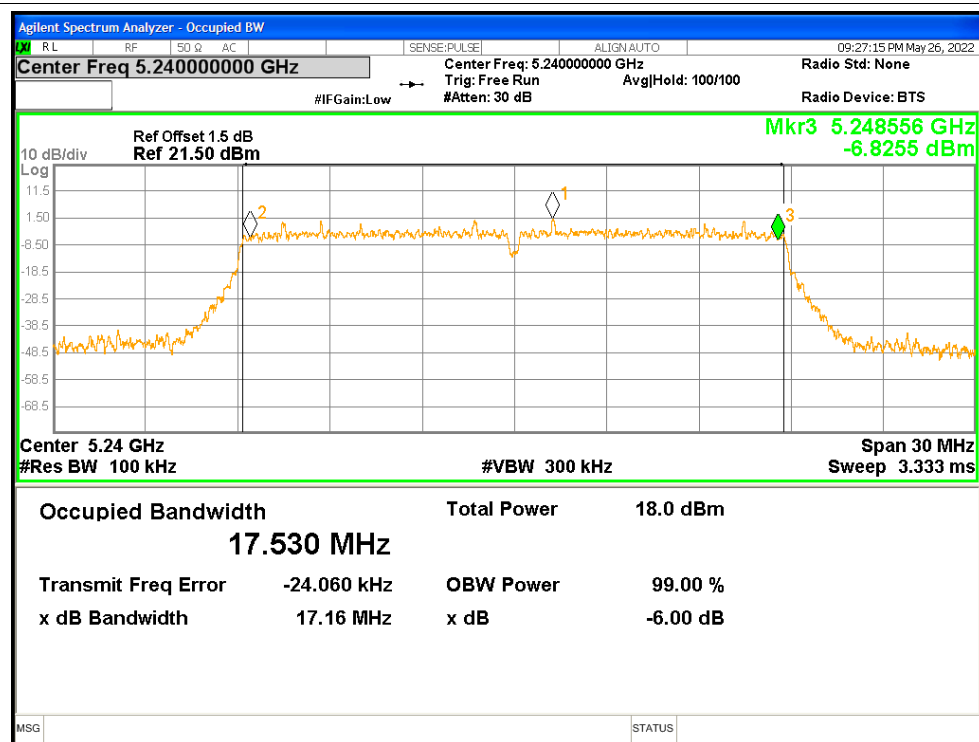
-6dB Bandwidth NVNT a 5180MHz

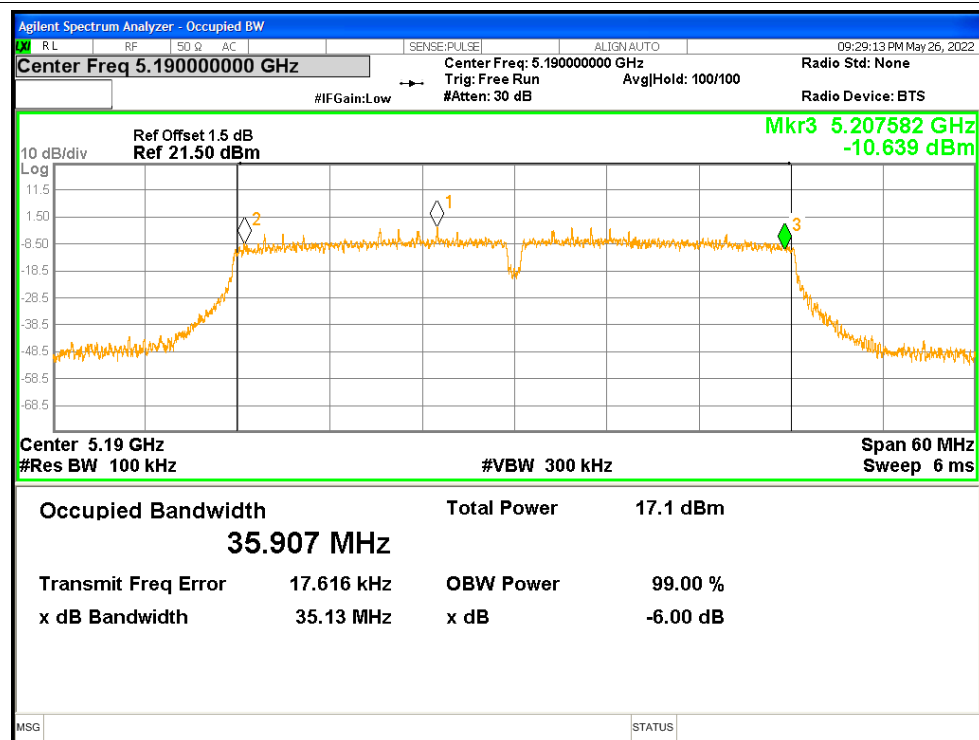
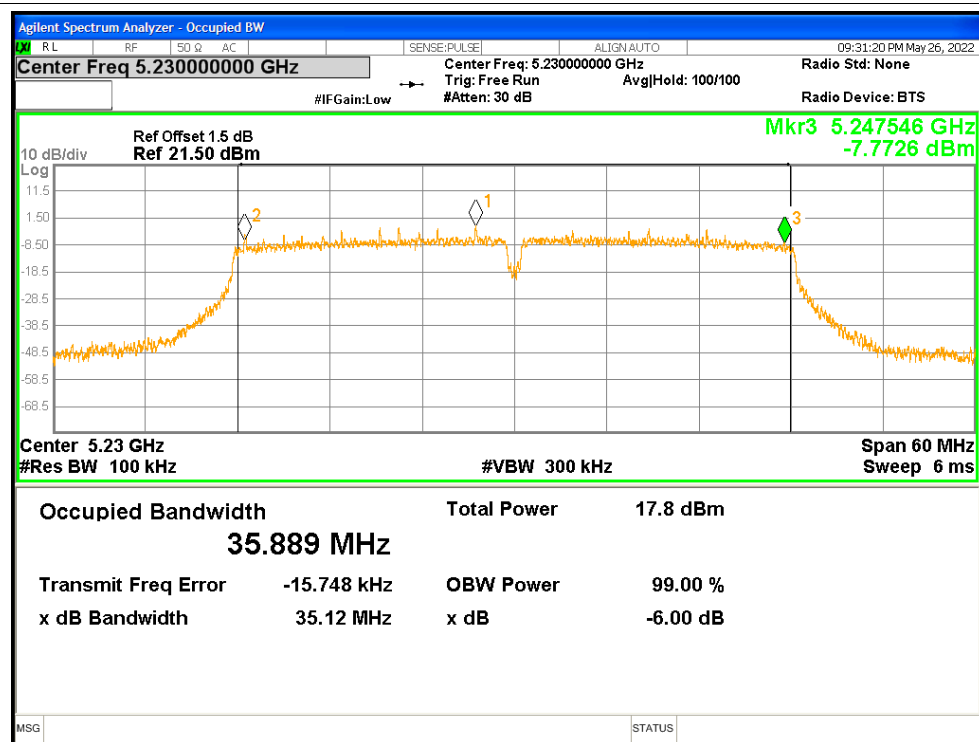


-6dB Bandwidth NVNT a 5200MHz



-6dB Bandwidth NVNT a 5240MHz**-6dB Bandwidth NVNT n20 5180MHz**

-6dB Bandwidth NVNT n20 5200MHz**-6dB Bandwidth NVNT n20 5240MHz**

-6dB Bandwidth NVNT n40 5190MHz**-6dB Bandwidth NVNT n40 5230MHz**

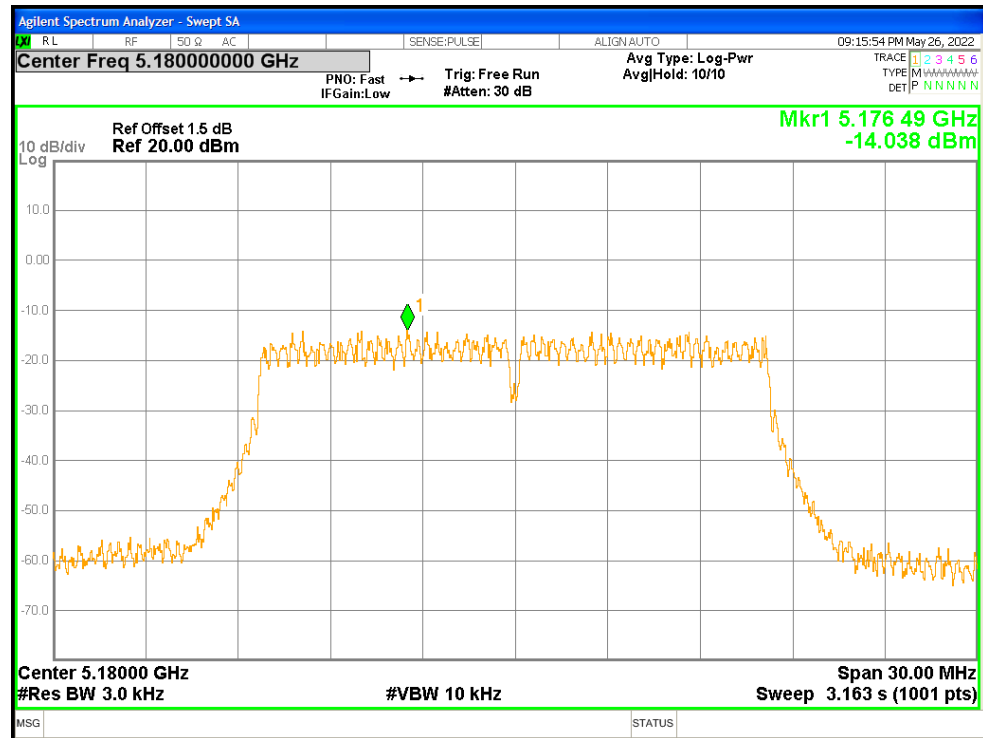
Maximum Power Spectral Density Level

U-NII 1								
Frequency (MHz)	Direct measurement Ant_A Power Density (dBm)	Direct measurement Ant_B Power Density (dBm)	Duty cycle factor (dB)	Final Ant_A Power Density (dBm)	Final Ant_B Power Density (dBm)	Power Density Total (dBm)	Limit (dBm)	Result
802.11a								
5180	-14.500	-14.040	1.357	-13.143	-12.683	--	11	PASS
5200	-14.110	-13.610	1.357	-12.753	-12.253	--	11	PASS
5240	-13.650	-12.980	1.357	-12.293	-11.623	--	11	PASS
802.11n20								
5180	-14.900	-2.470	1.438	-13.462	-1.032	-0.791	11	PASS
5200	-14.730	-14.040	1.438	-13.292	-12.602	-9.923	11	PASS
5240	-14.640	-13.300	1.438	-13.202	-11.862	-9.470	11	PASS
802.11n40								
5190	-18.010	-16.080	2.525	-15.485	-13.555	-11.404	11	PASS
5230	-16.610	-15.640	2.525	-14.085	-13.115	-10.563	11	PASS

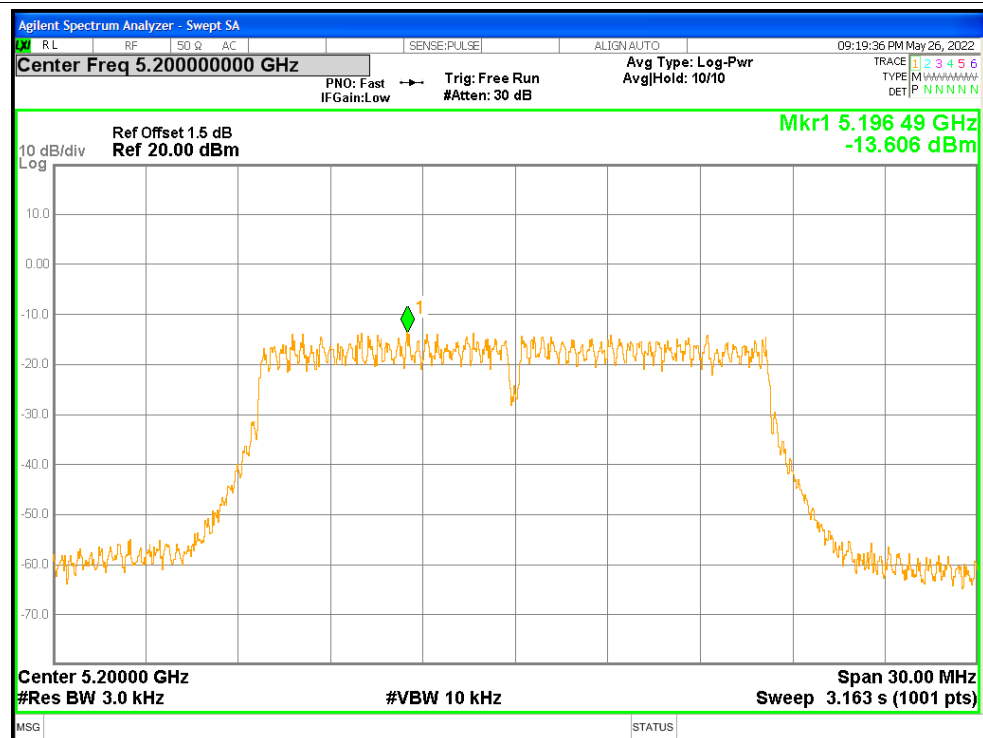
ANT A

Test Graphs

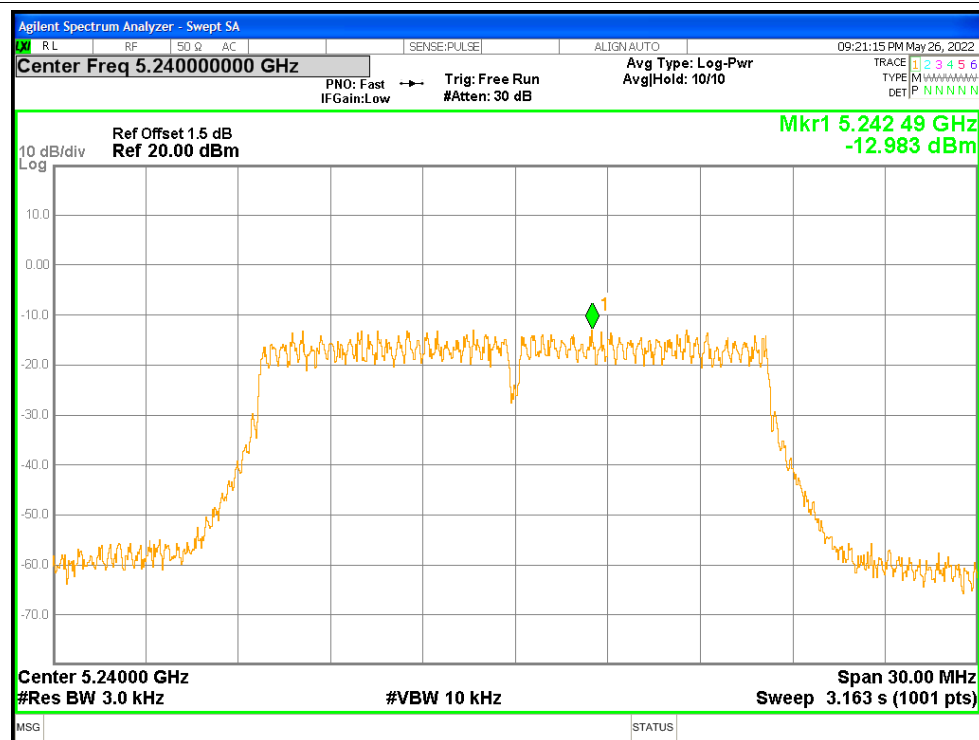
PSD NVNT a 5180MHz



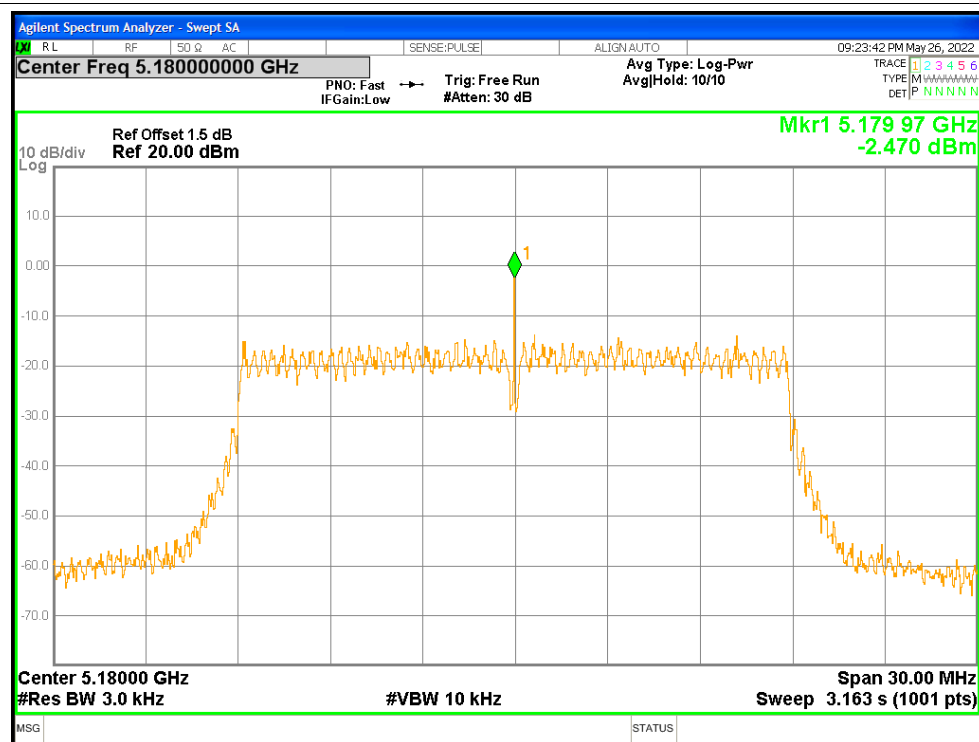
PSD NVNT a 5200MHz



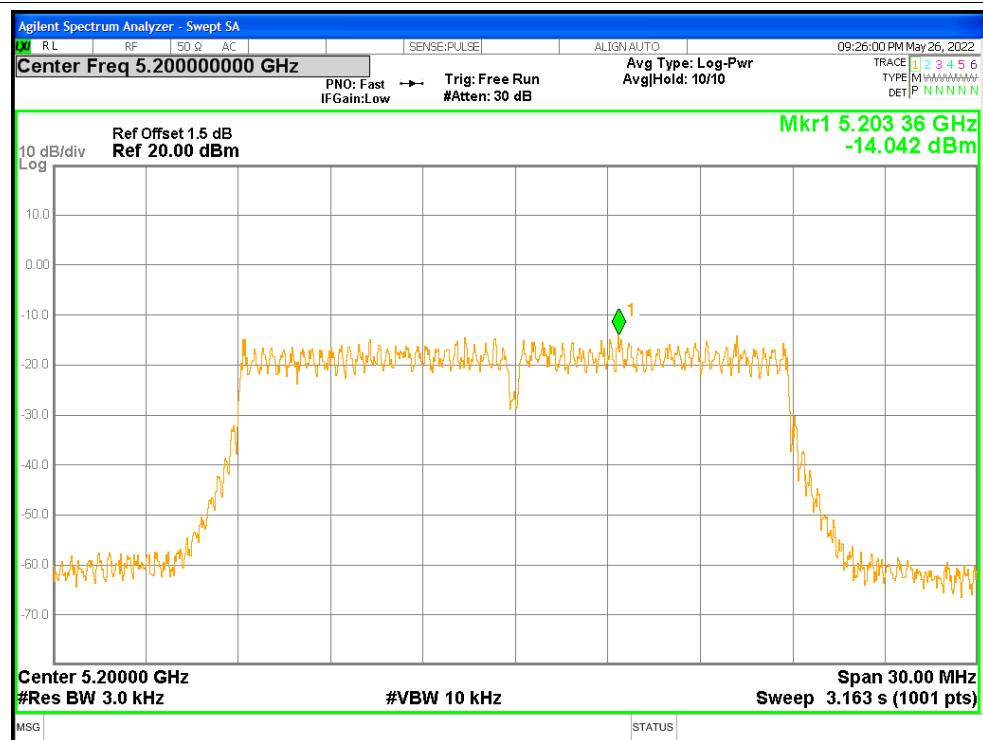
PSD NVNT a 5240MHz



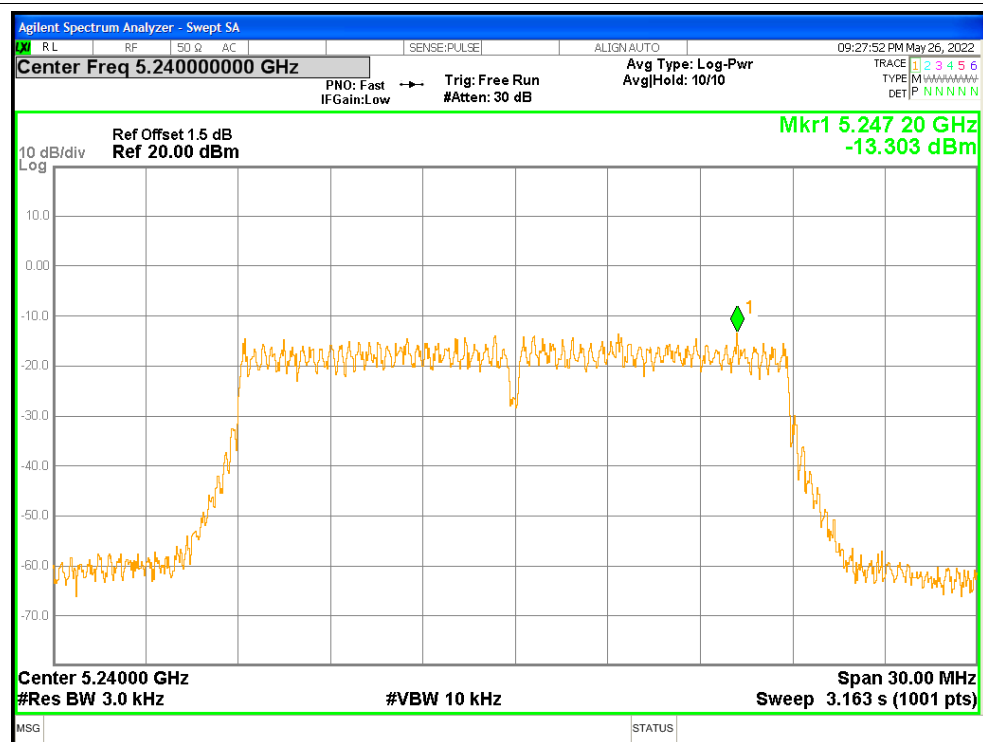
PSD NVNT n20 5180MHz



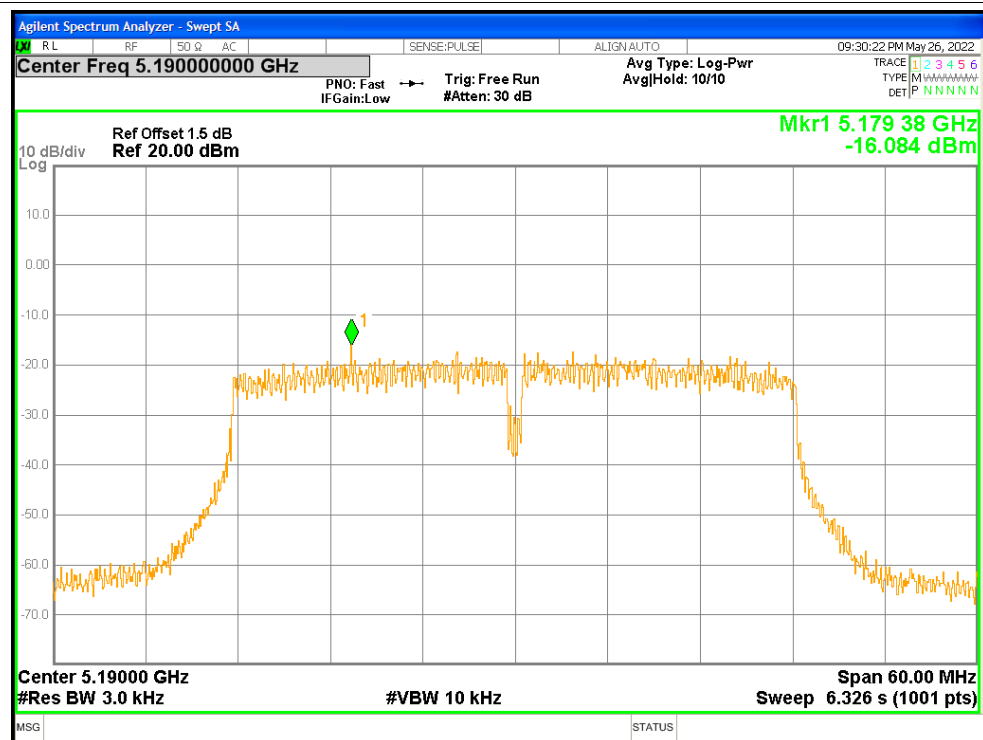
PSD NVNT n20 5200MHz



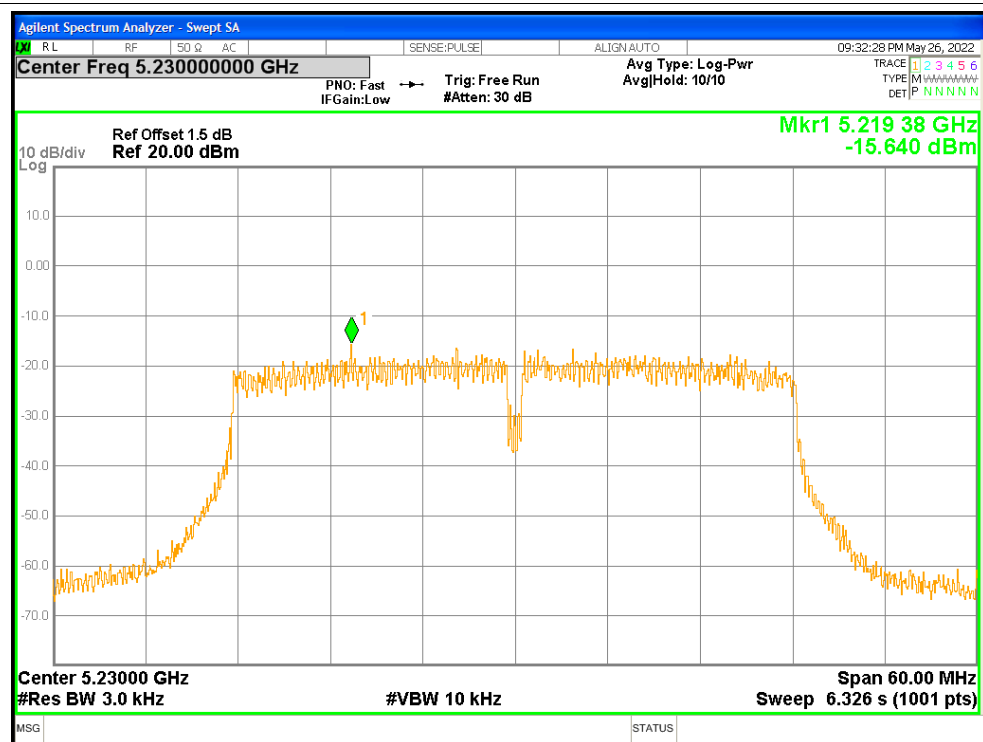
PSD NVNT n20 5240MHz



PSD NVNT n40 5190MHz



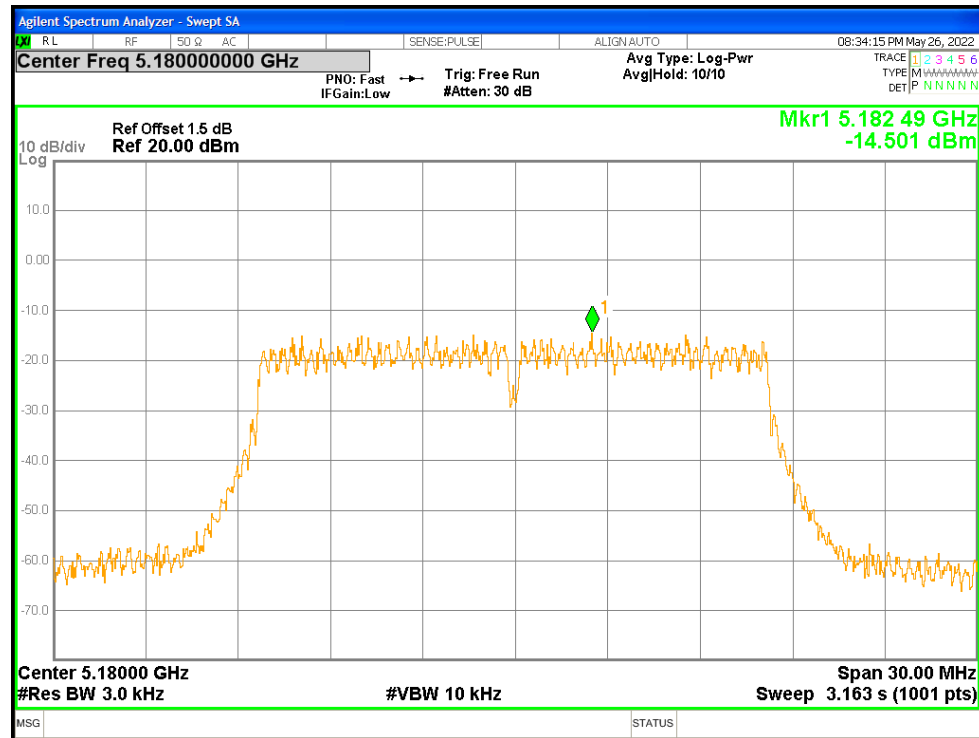
PSD NVNT n40 5230MHz



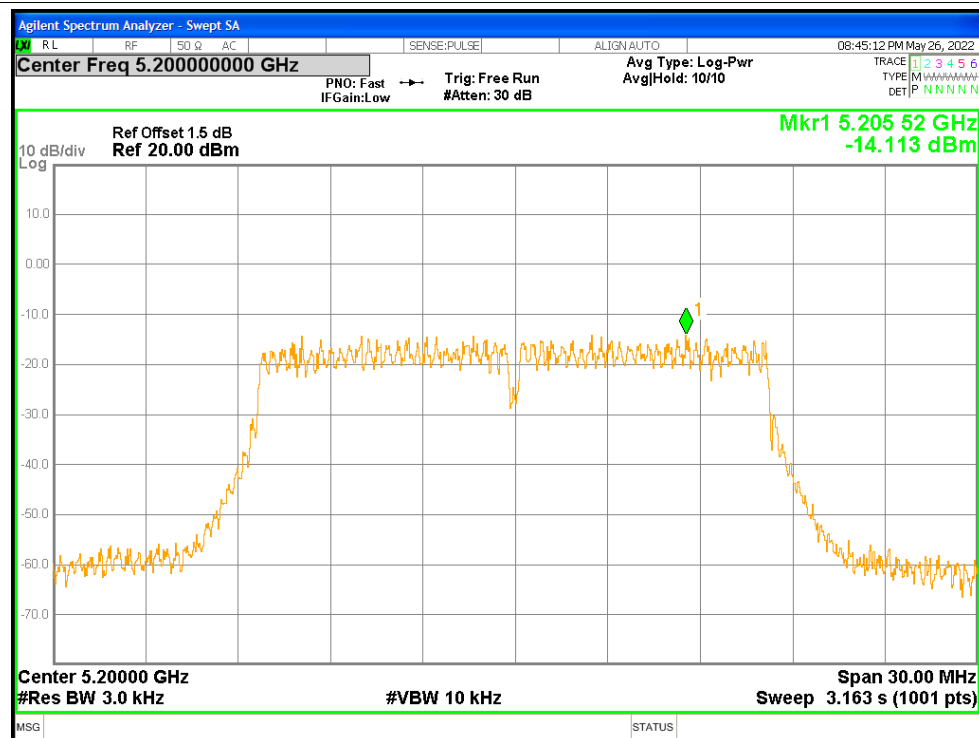
ANT B

Test Graphs

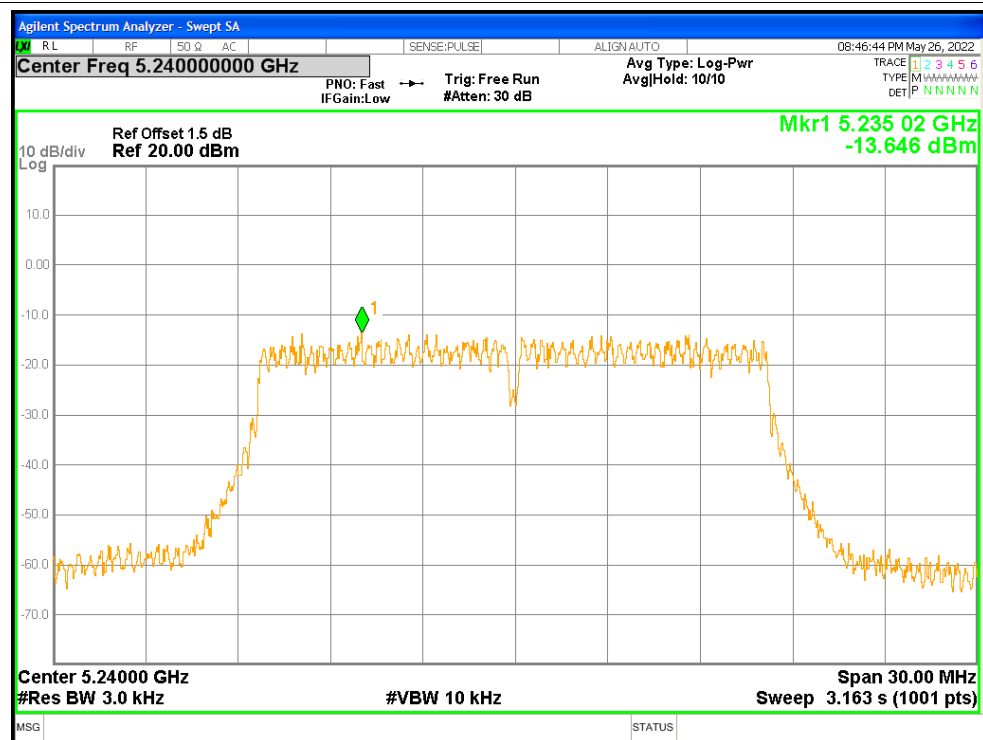
PSD NVNT a 5180MHz



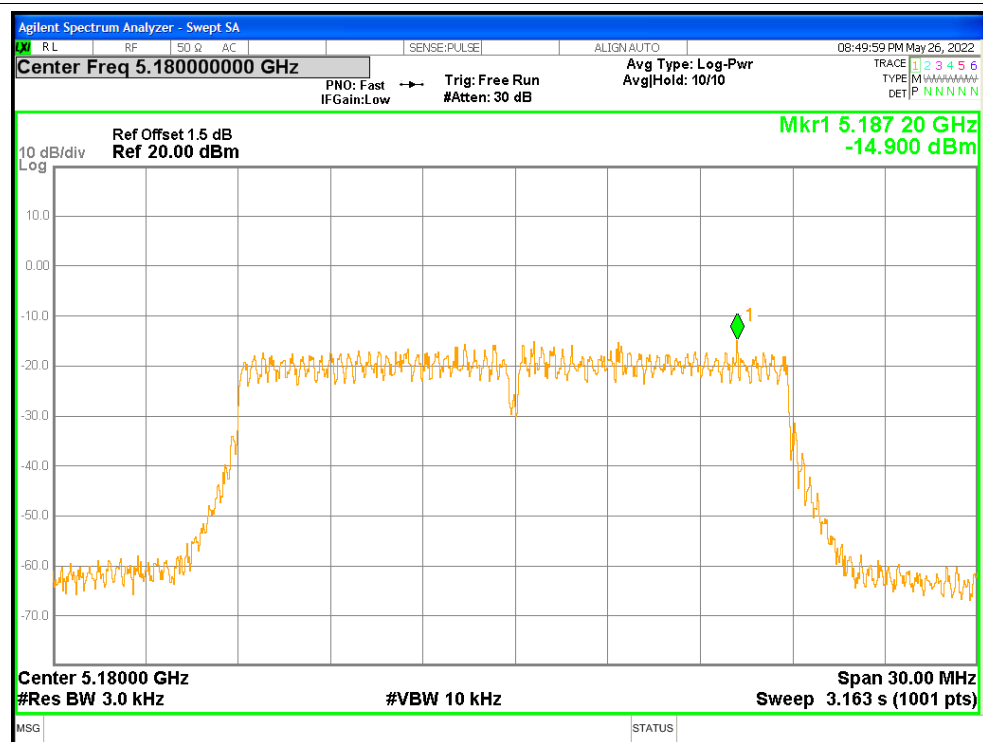
PSD NVNT a 5200MHz



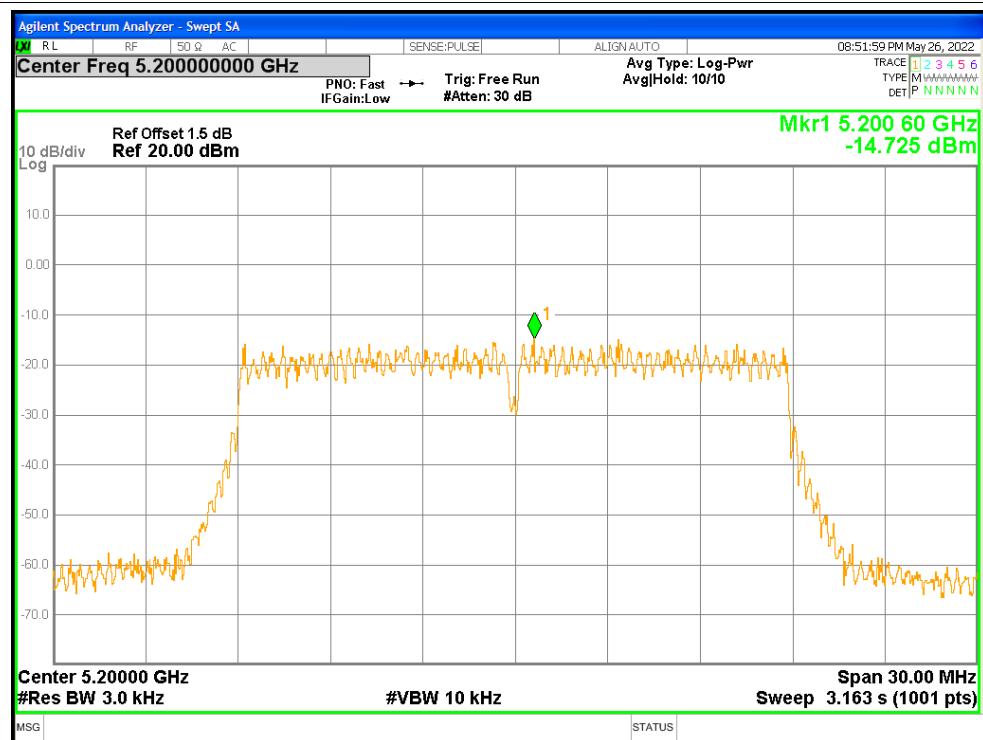
PSD NVNT a 5240MHz



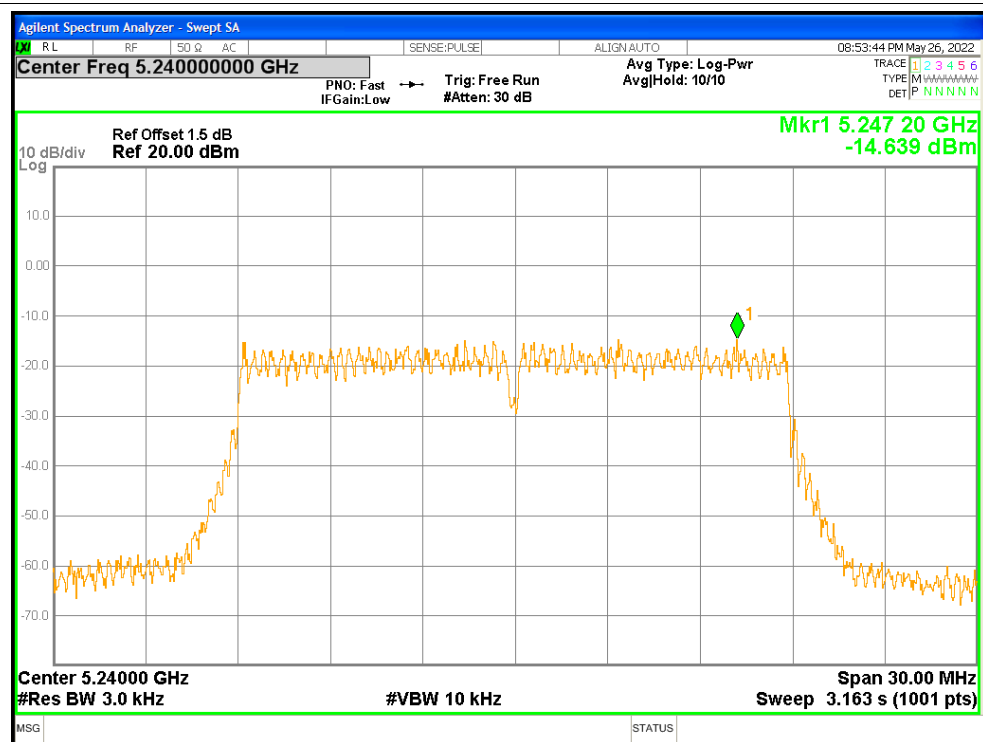
PSD NVNT n20 5180MHz



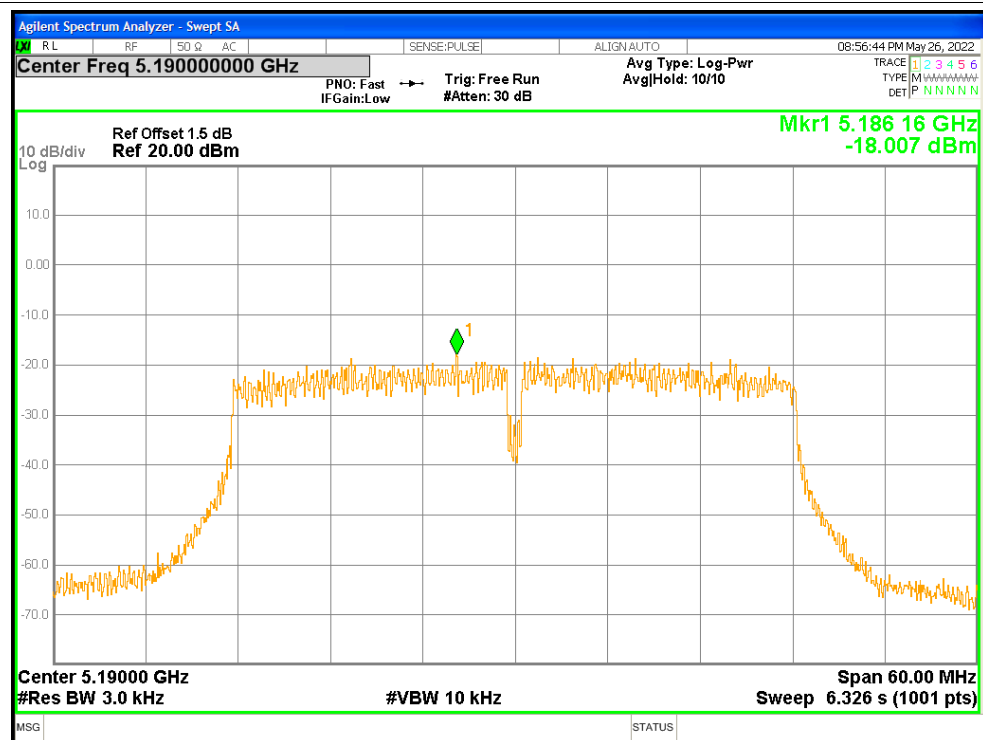
PSD NVNT n20 5200MHz



PSD NVNT n20 5240MHz



PSD NVNT n40 5190MHz



PSD NVNT n40 5230MHz

