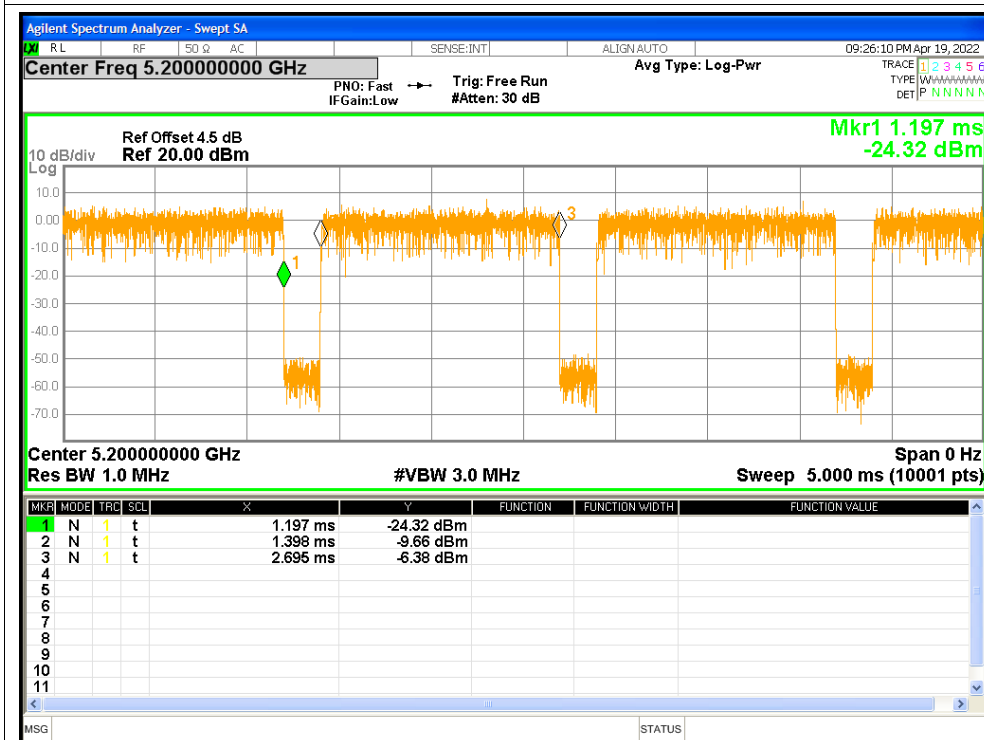


Duty Cycle

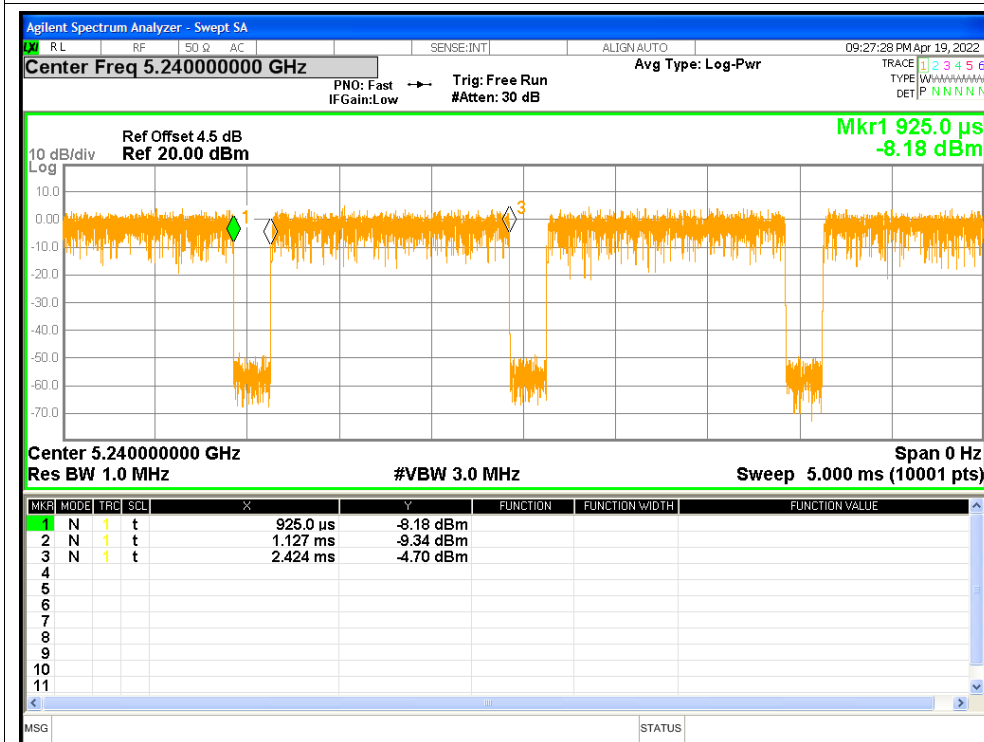
ANT A

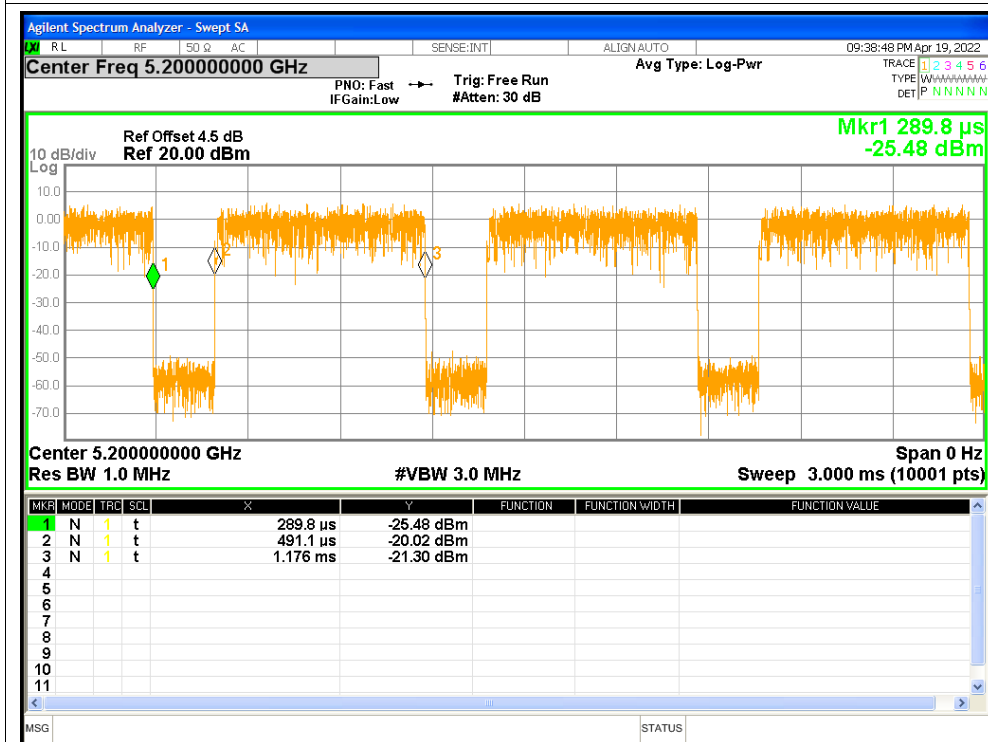
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	87.38	0.59	0.72
NVNT	a	5200	87.36	0.59	0.72
NVNT	a	5240	87.36	0.59	0.72
NVNT	n20	5180	86.55	0.63	0.77
NVNT	n20	5200	86.55	0.63	0.77
NVNT	n20	5240	86.52	0.63	0.77
NVNT	n40	5190	66.29	1.79	1.56
NVNT	n40	5230	76.27	1.18	1.56
NVNT	ac20	5180	77.28	1.12	1.46
NVNT	ac20	5200	77.29	1.12	1.46
NVNT	ac20	5240	77.29	1.12	1.46
NVNT	ac40	5190	64.16	1.93	2.81
NVNT	ac40	5230	64.1	1.93	2.82
NVNT	ac80	5210	38.3	4.17	5.25
NVNT	ax20	5180	73.58	1.33	1.78
NVNT	ax20	5200	73.64	1.33	1.78
NVNT	ax20	5240	61.93	2.08	1.78
NVNT	ax40	5190	61.93	2.08	3.1
NVNT	ax40	5230	61.87	2.09	3.1
NVNT	ax80	5210	49.66	3.04	5.1

Duty Cycle NVNT n20 5200MHz

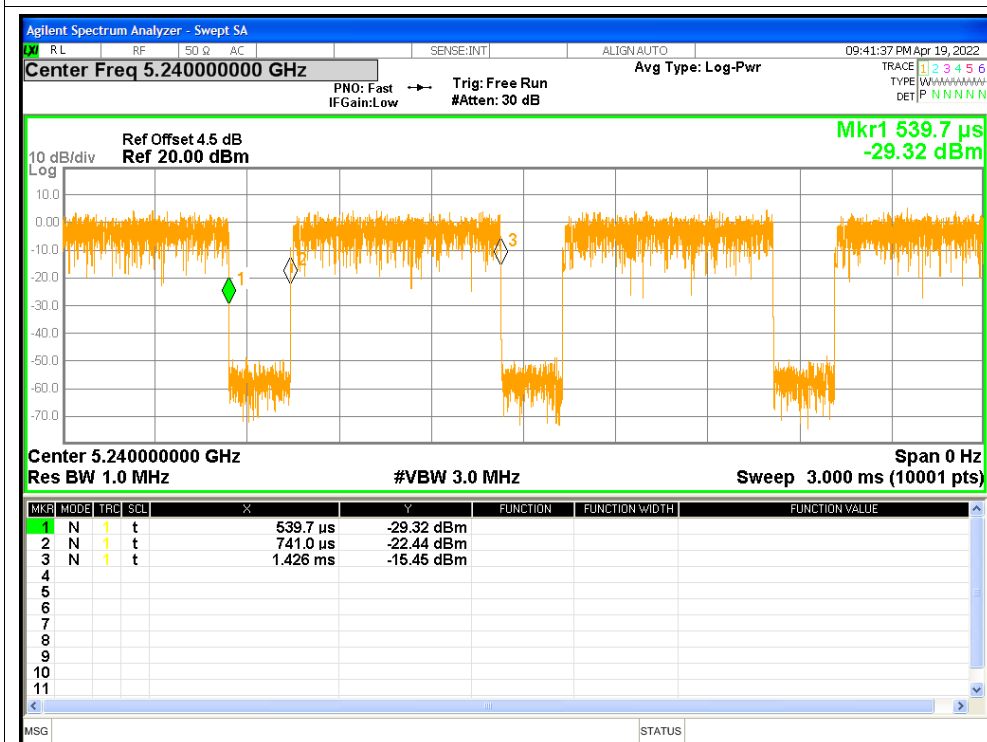


Duty Cycle NVNT n20 5240MHz

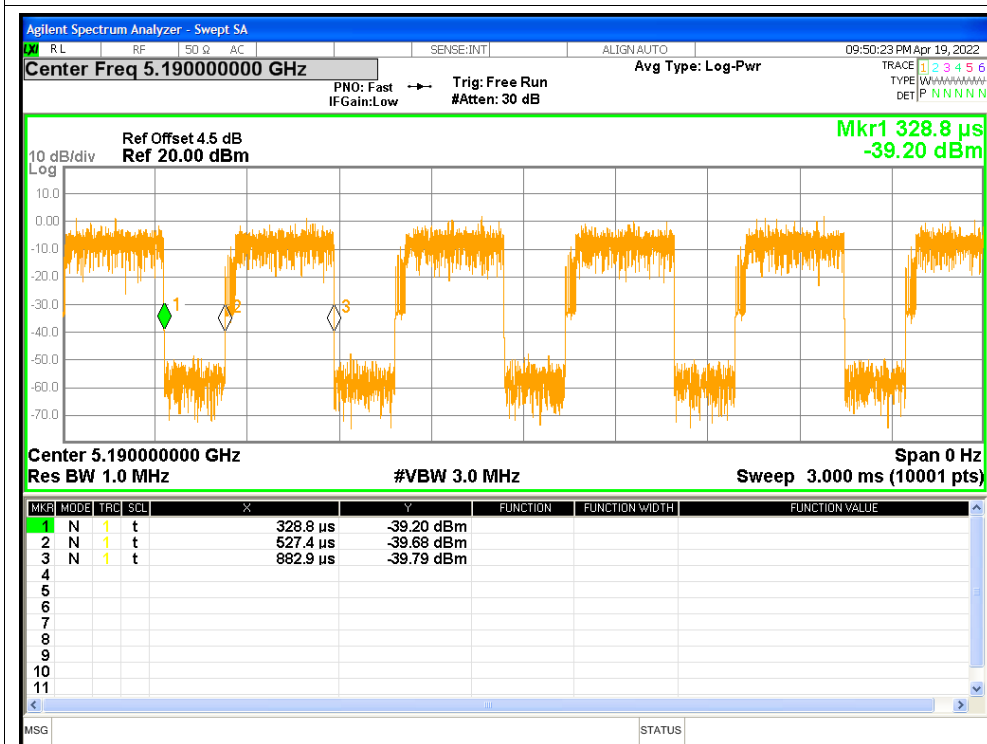




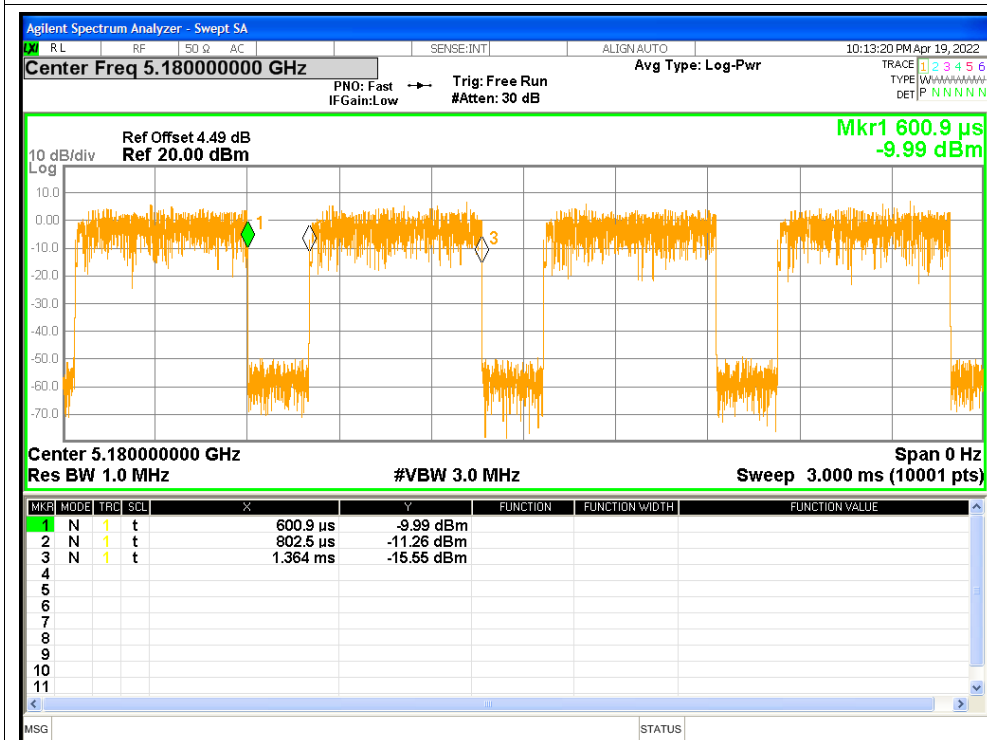
Duty Cycle NVNT ac20 5240MHz



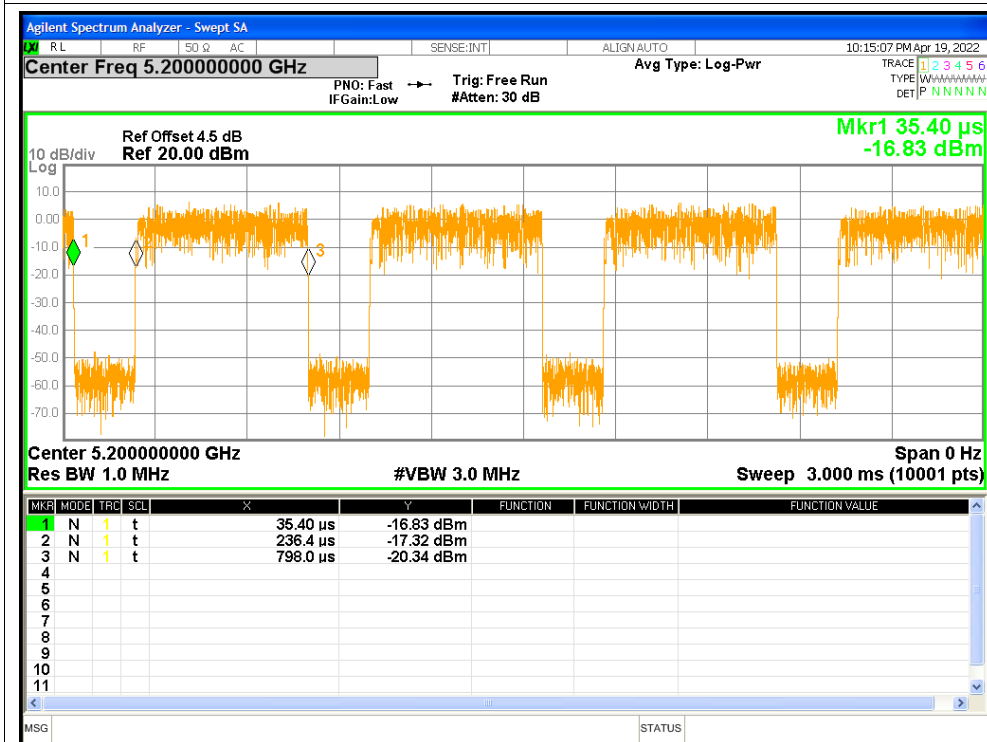
Duty Cycle NVNT ac40 5190MHz



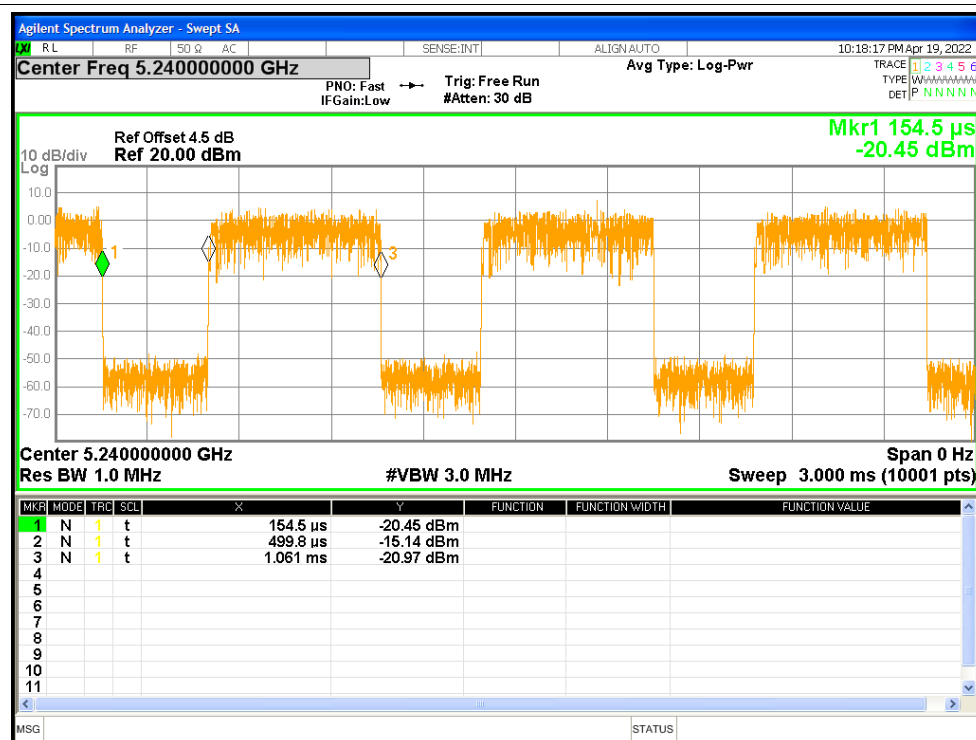
Duty Cycle NVNT ax20 5180MHz



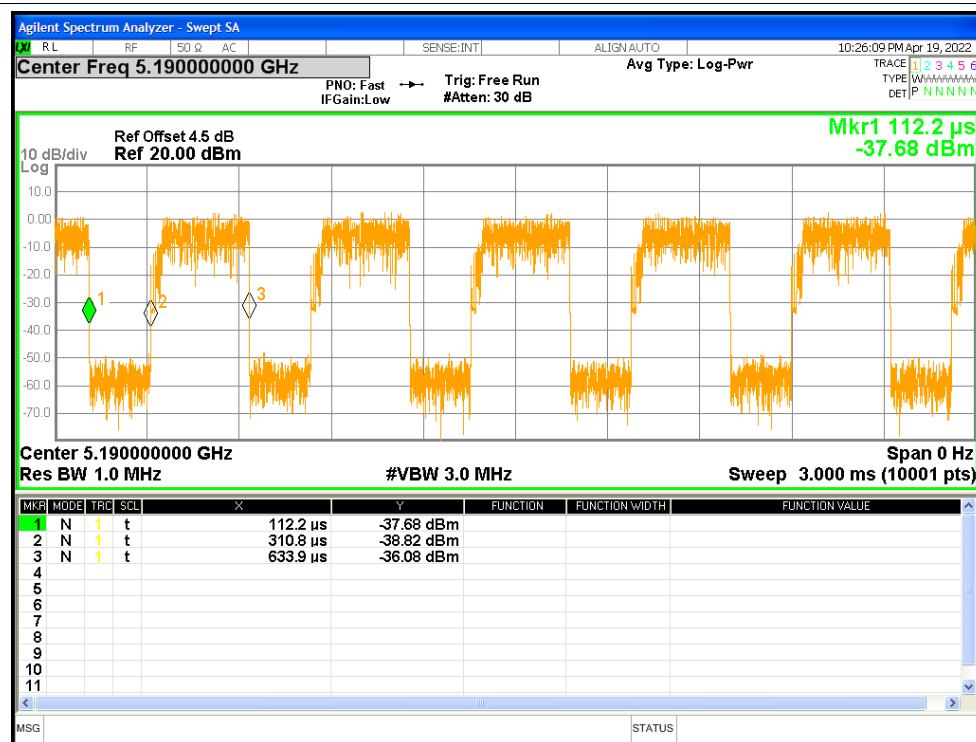
Duty Cycle NVNT ax20 5200MHz



Duty Cycle NVNT ax20 5240MHz



Duty Cycle NVNT ax40 5190MHz

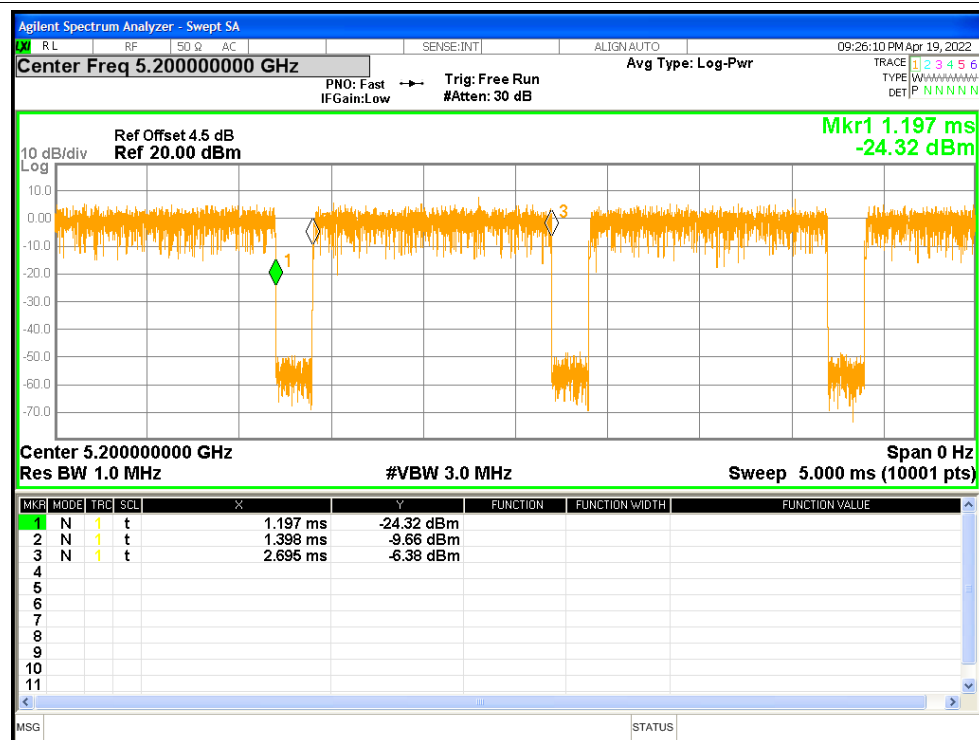


Duty Cycle NVNT ax40 5230MHz

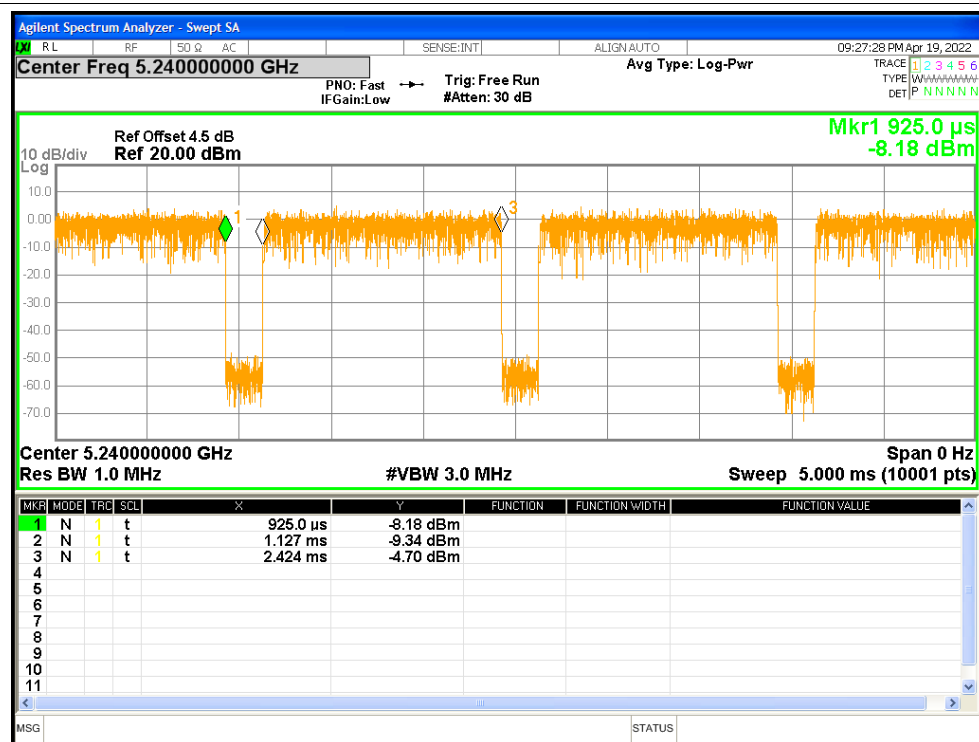
ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	87.38	0.59	0.72
NVNT	a	5200	87.36	0.59	0.72
NVNT	a	5240	87.36	0.59	0.72
NVNT	n20	5180	86.55	0.63	0.77
NVNT	n20	5200	86.55	0.63	0.77
NVNT	n20	5240	86.52	0.63	0.77
NVNT	n40	5190	66.29	1.79	1.56
NVNT	n40	5230	76.27	1.18	1.56
NVNT	ac20	5180	77.28	1.12	1.46
NVNT	ac20	5200	77.29	1.12	1.46
NVNT	ac20	5240	77.29	1.12	1.46
NVNT	ac40	5190	64.16	1.93	2.81
NVNT	ac40	5230	64.1	1.93	2.82
NVNT	ac80	5210	38.3	4.17	5.25
NVNT	ax20	5180	73.58	1.33	1.78
NVNT	ax20	5200	73.64	1.33	1.78
NVNT	ax20	5240	61.93	2.08	1.78
NVNT	ax40	5190	61.93	2.08	3.1
NVNT	ax40	5230	61.87	2.09	3.1
NVNT	ax80	5210	49.66	3.04	5.1

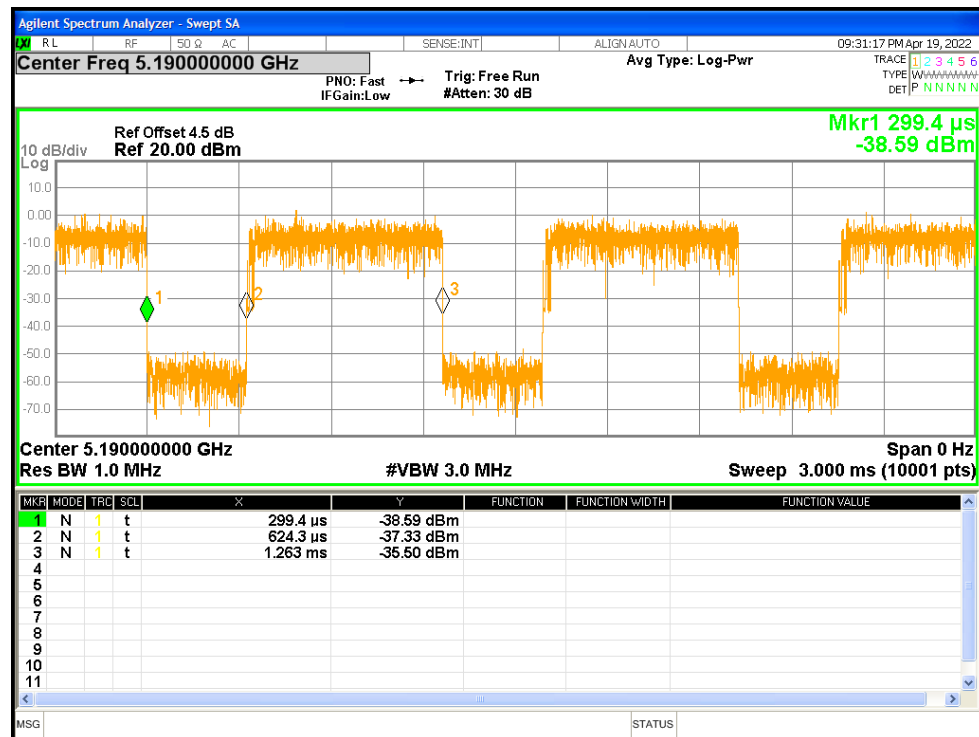
Duty Cycle NVNT n20 5200MHz



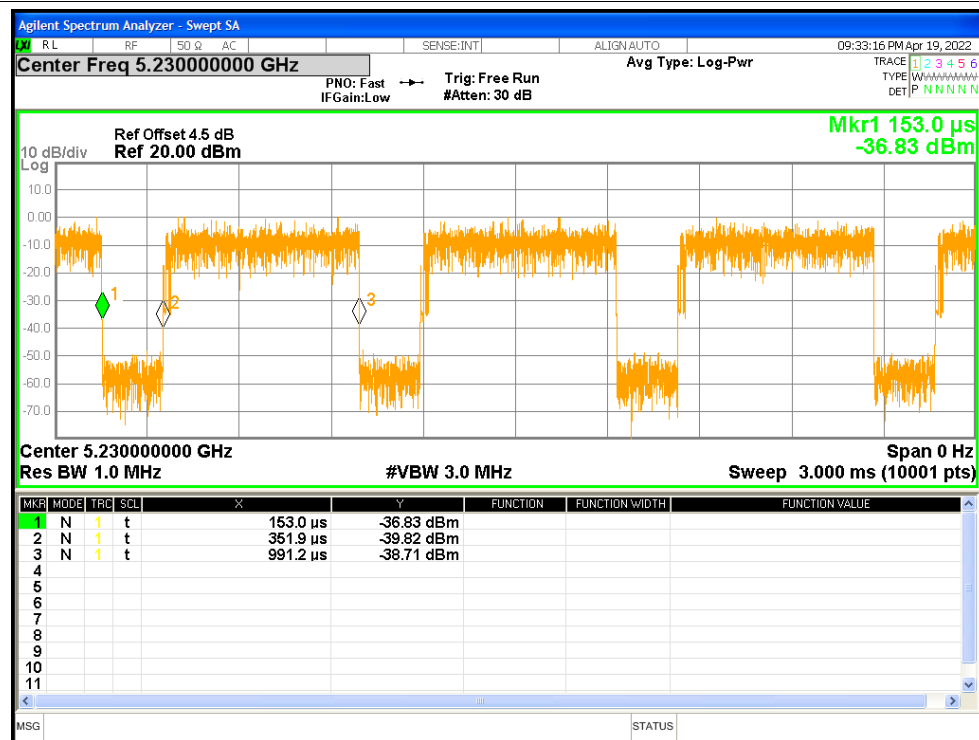
Duty Cycle NVNT n20 5240MHz

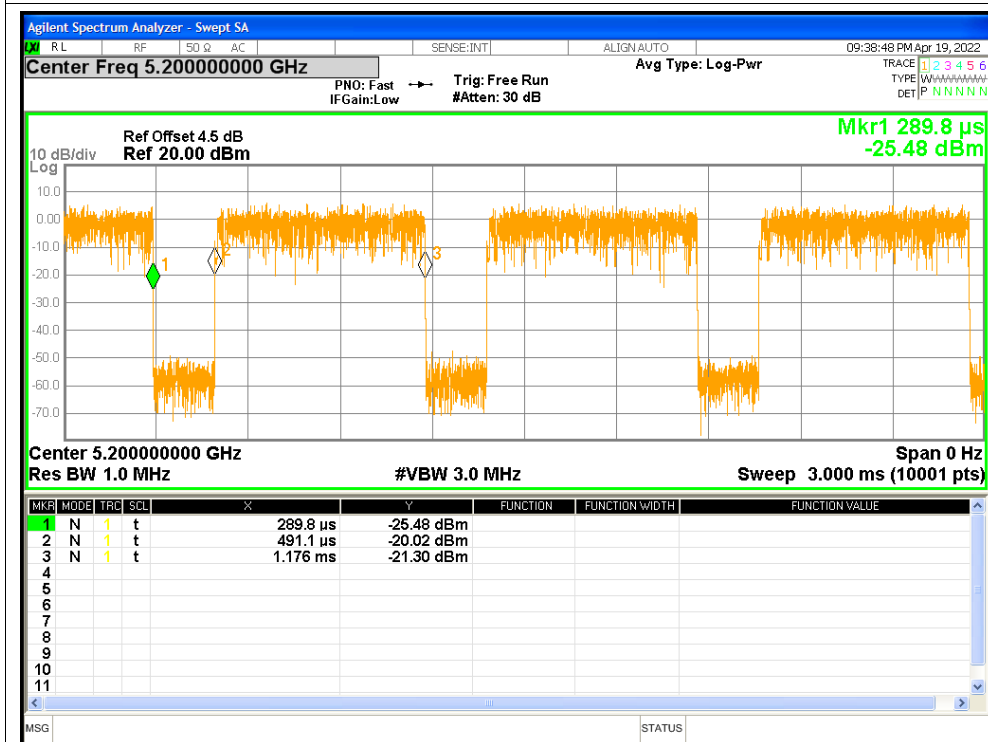


Duty Cycle NVNT n40 5190MHz

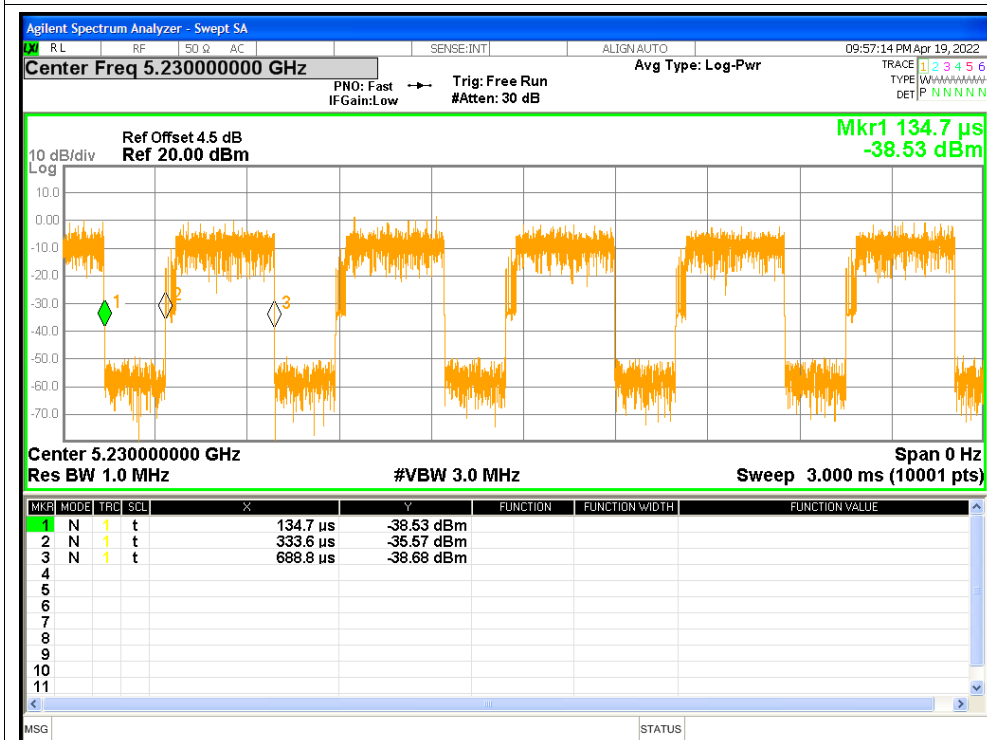


Duty Cycle NVNT n40 5230MHz

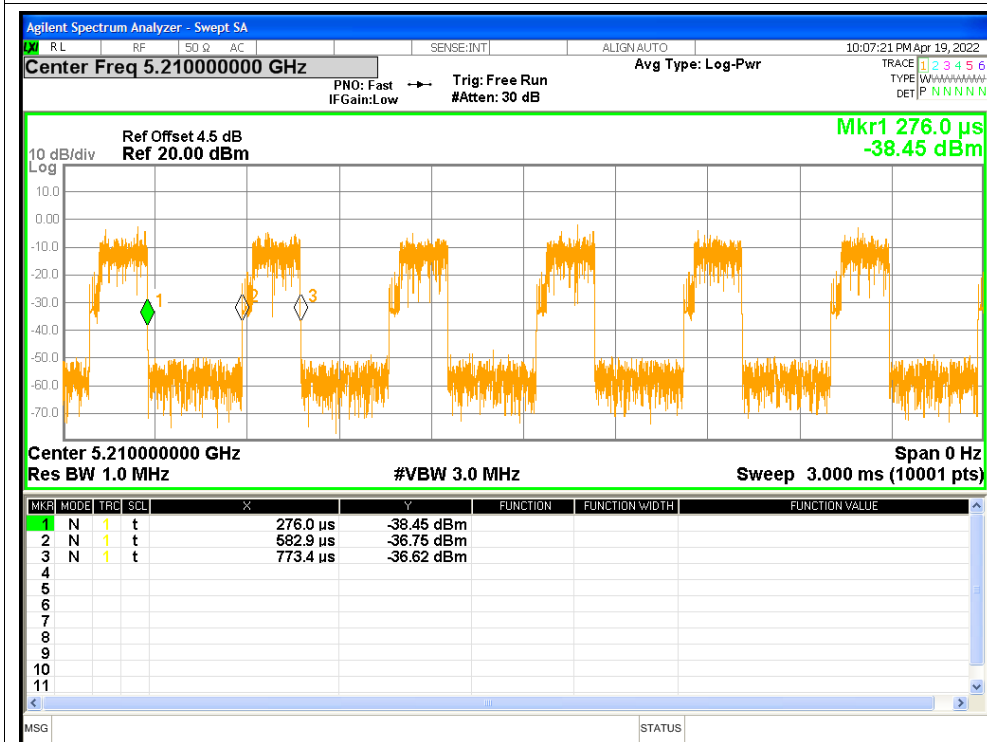




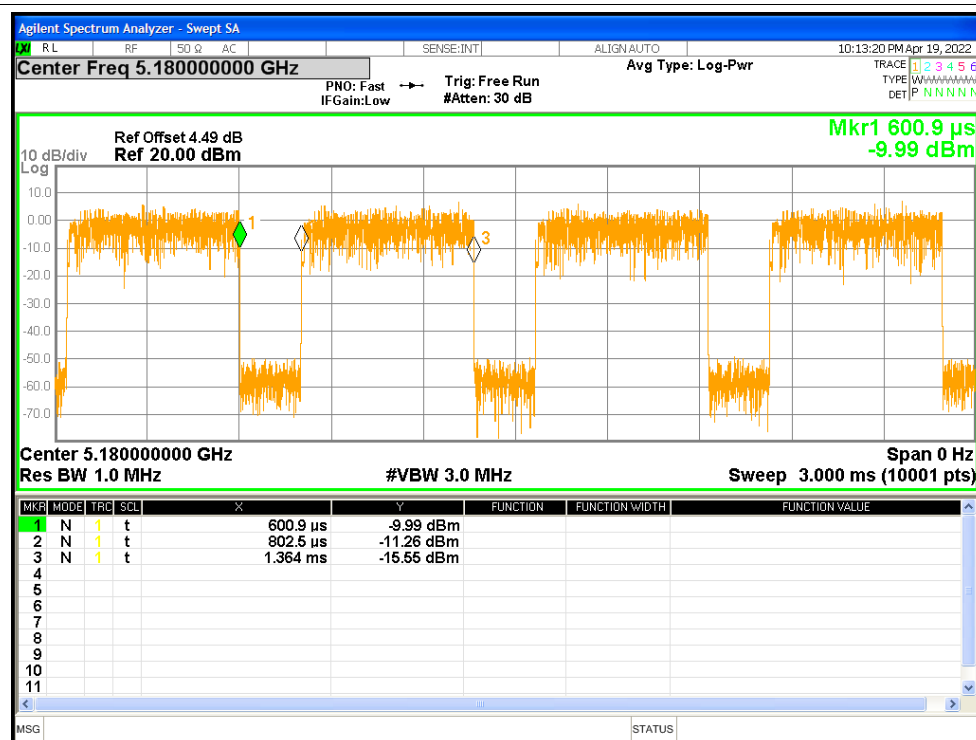
Duty Cycle NVNT ac40 5230MHz



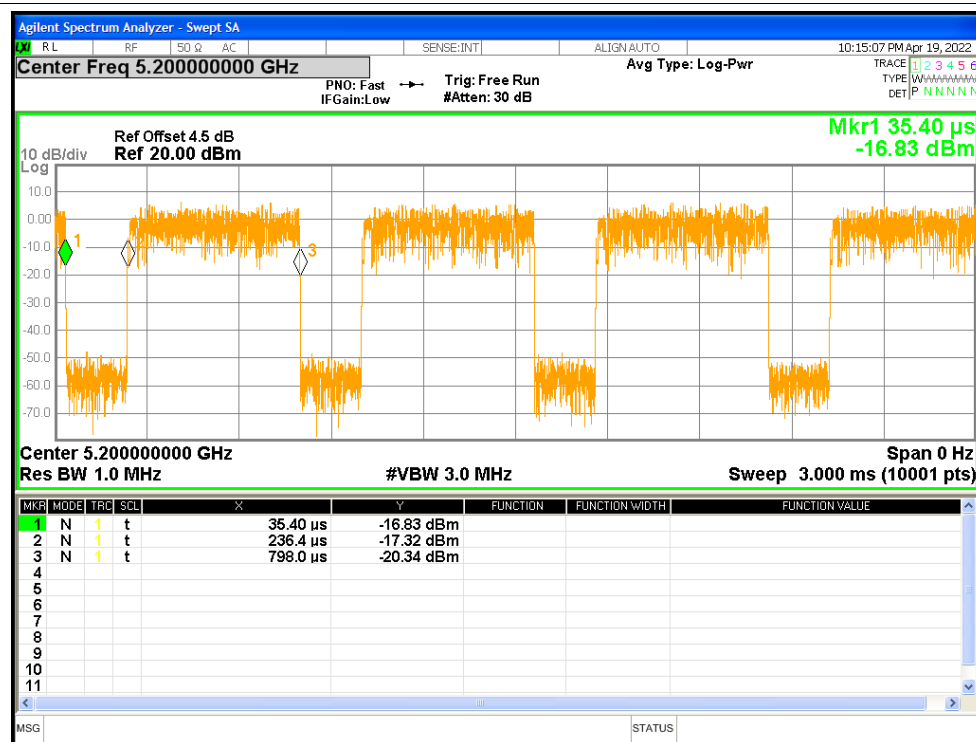
Duty Cycle NVNT ac80 5210MHz



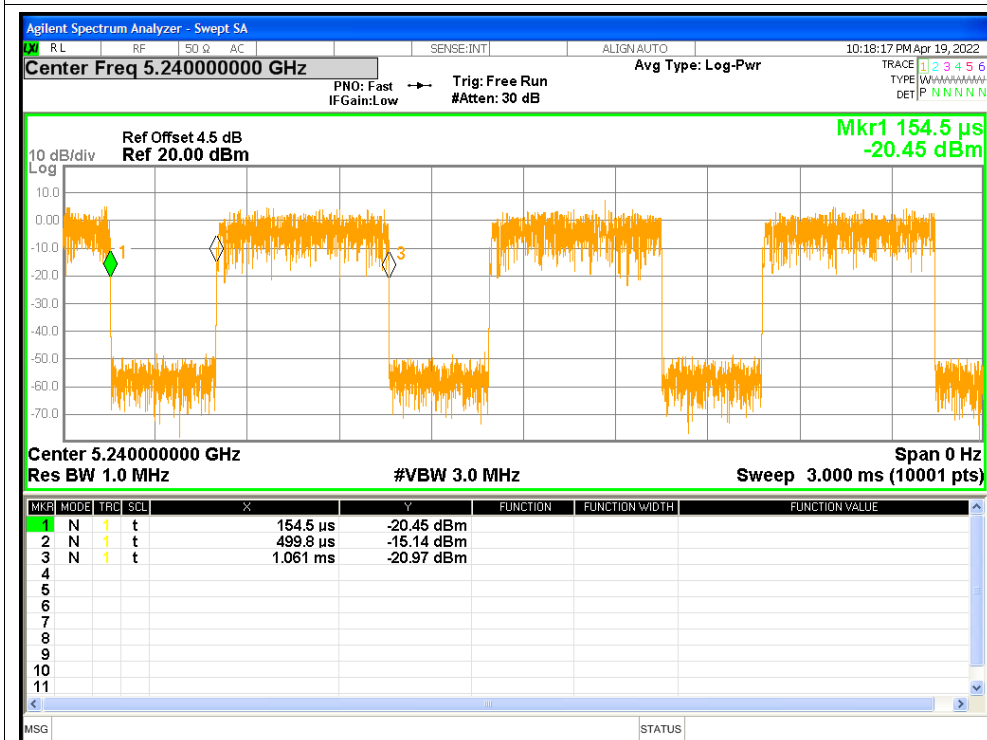
Duty Cycle NVNT ax20 5180MHz



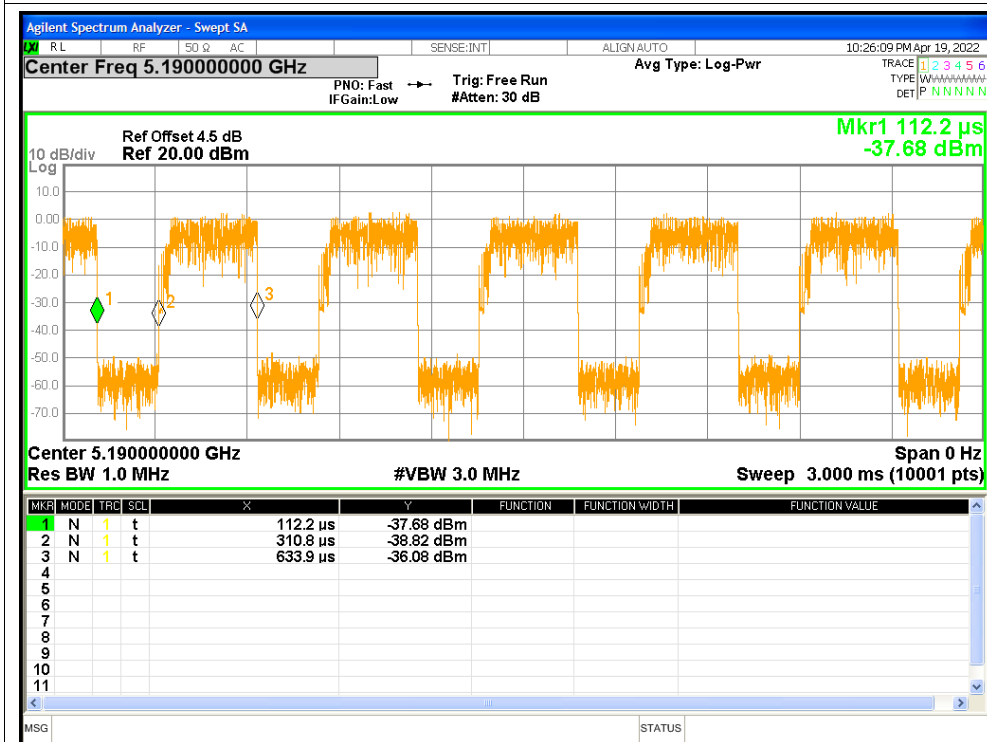
Duty Cycle NVNT ax20 5200MHz



Duty Cycle NVNT ax20 5240MHz



Duty Cycle NVNT ax40 5190MHz



Duty Cycle NVNT ax40 5230MHz

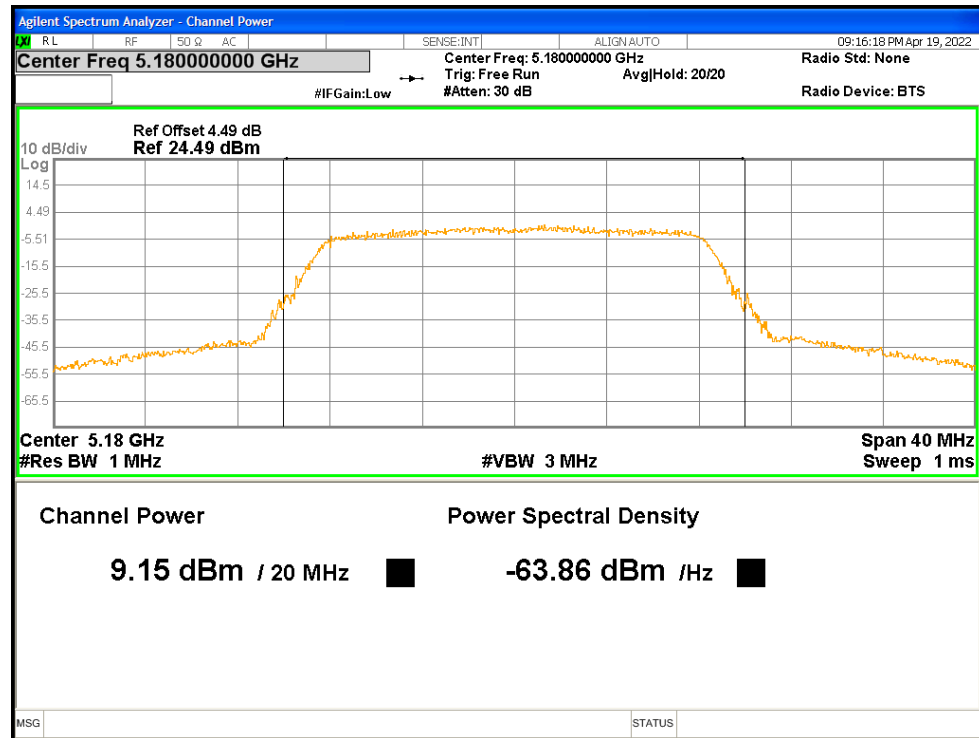
Maximum Average Conducted Output Power

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	9.74	8.63	0.590	10.33	9.22	--	23.98
40	5200	10.49	9.00	0.590	11.08	9.59	--	23.98
48	5240	9.45	8.62	0.590	10.04	9.21	--	23.98
802.11n(HT20)								
36	5180	9.53	8.59	0.630	10.16	9.22	12.73	21.97
40	5200	10.03	9.02	0.630	10.66	9.65	13.19	21.97
48	5240	8.89	8.08	0.630	9.52	8.71	12.14	21.97
802.11n(HT40)								
38	5190	9.08	9.04	1.790	10.87	10.83	13.86	21.97
46	5230	8.67	7.35	1.180	9.85	8.53	12.25	21.97
802.11ac(VHT20)								
36	5180	9.14	8.02	1.120	10.26	9.14	12.75	21.97
40	5200	9.72	8.79	1.120	10.84	9.91	13.41	21.97
48	5240	9.05	7.05	1.120	10.17	8.17	12.29	21.97
802.11ac(VHT40)								
38	5190	10.29	8.89	1.930	12.22	10.82	14.59	21.97
46	5230	8.78	7.50	1.930	10.71	9.43	13.13	21.97
802.11ac(VHT80)								
42	5210	8.78	7.91	4.170	12.95	12.08	15.55	21.97
802.11ax(HE20)								
36	5180	9.77	8.28	1.330	11.10	9.61	13.43	21.97
40	5200	10.44	8.32	1.330	11.77	9.65	13.85	21.97
48	5240	9.54	8.99	2.080	11.62	11.07	14.36	21.97
802.11ax(HE40)								
38	5190	9.75	8.15	2.080	11.83	10.23	14.11	21.97
46	5230	8.76	7.28	2.090	10.85	9.37	13.18	21.97
802.11ax(HE80)								
42	5210	9.33	8.07	3.040	12.37	11.11	14.80	21.97

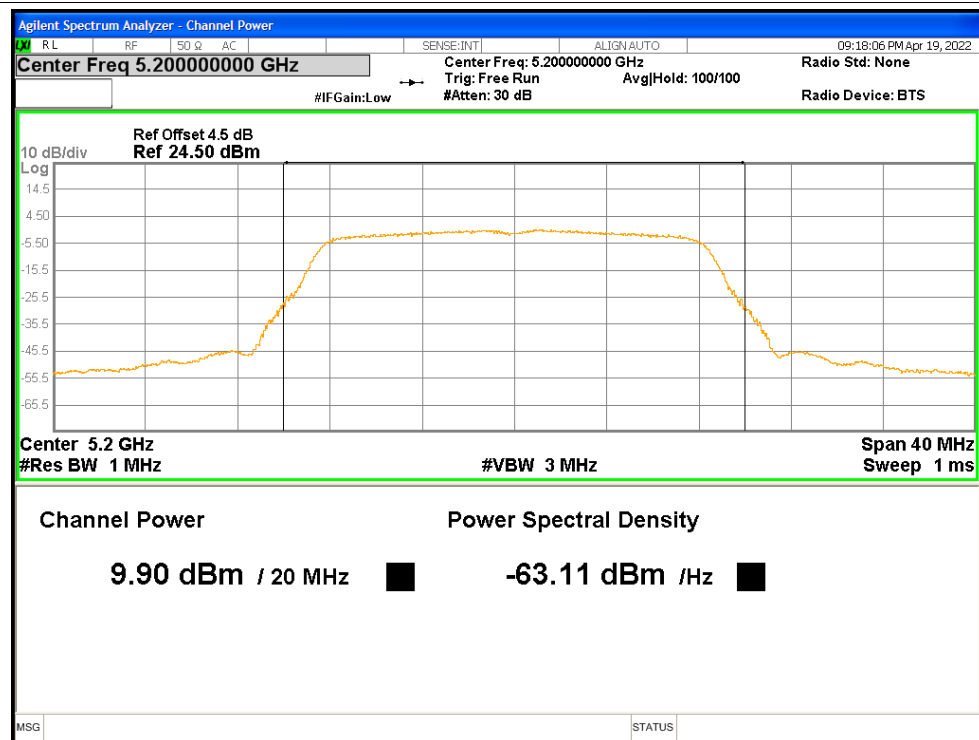
ANT A

Test Graphs

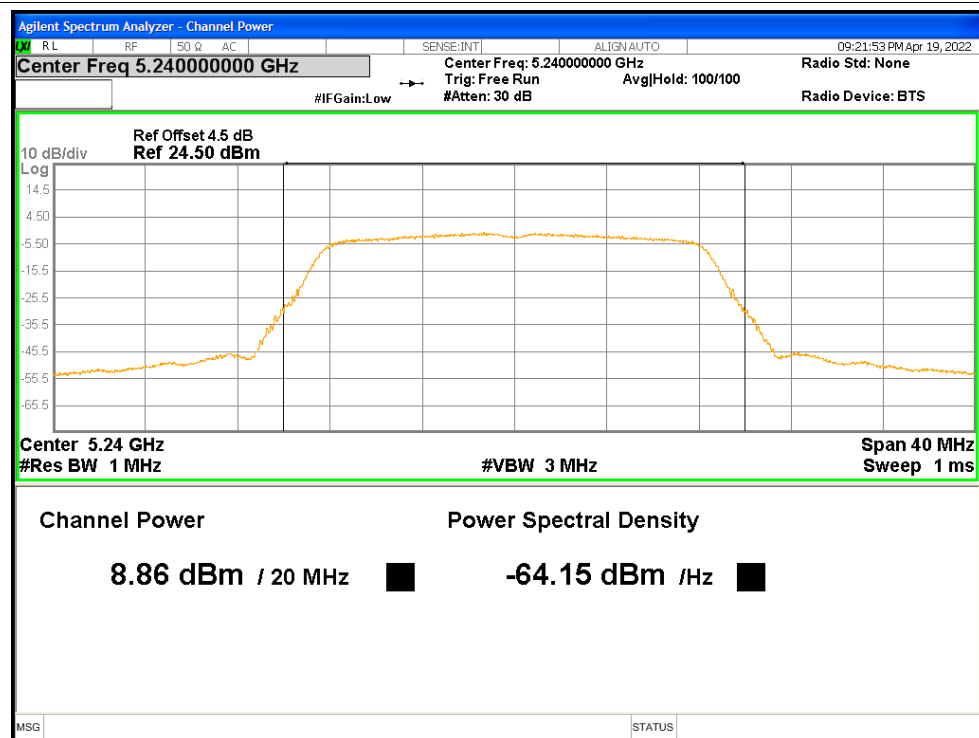
Average Power NVNT a 5180MHz



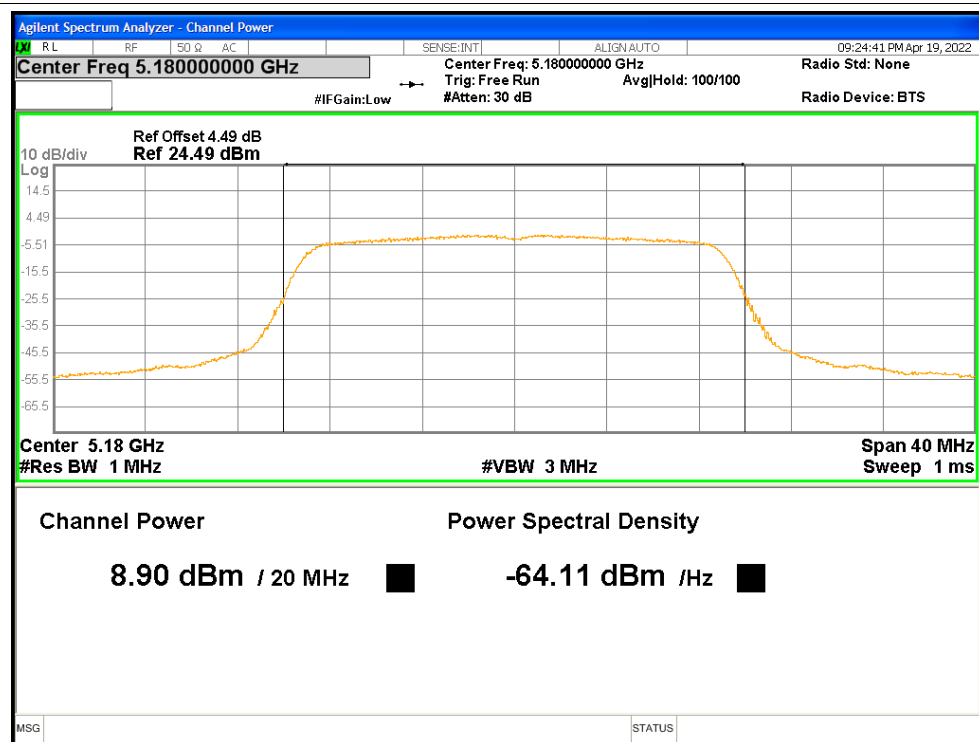
Average Power NVNT a 5200MHz



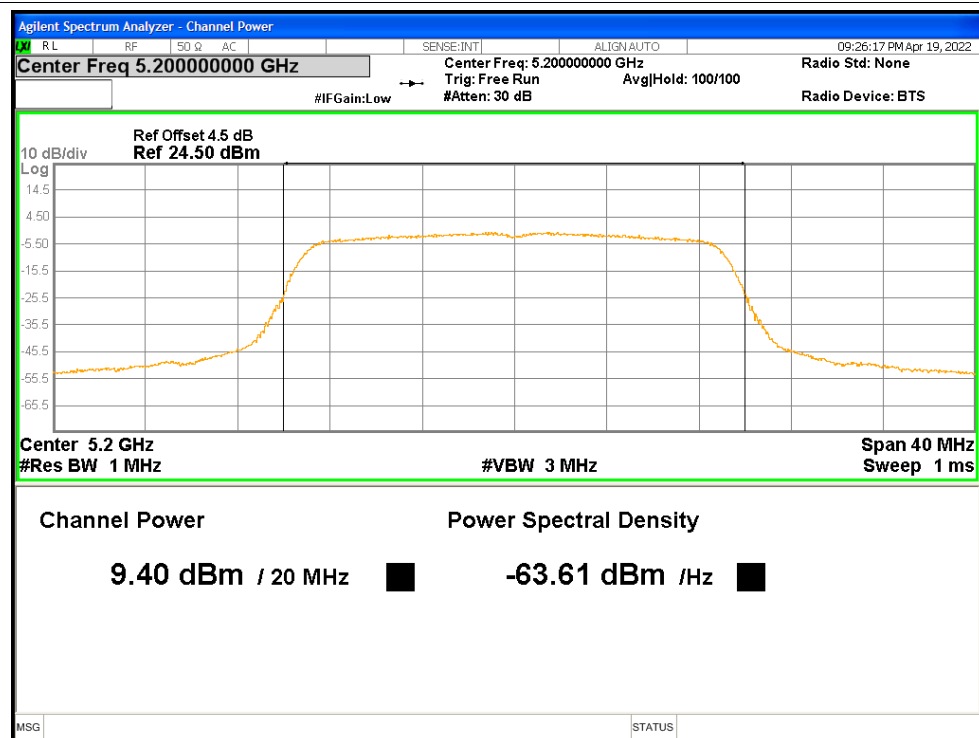
Average Power NVNT a 5240MHz



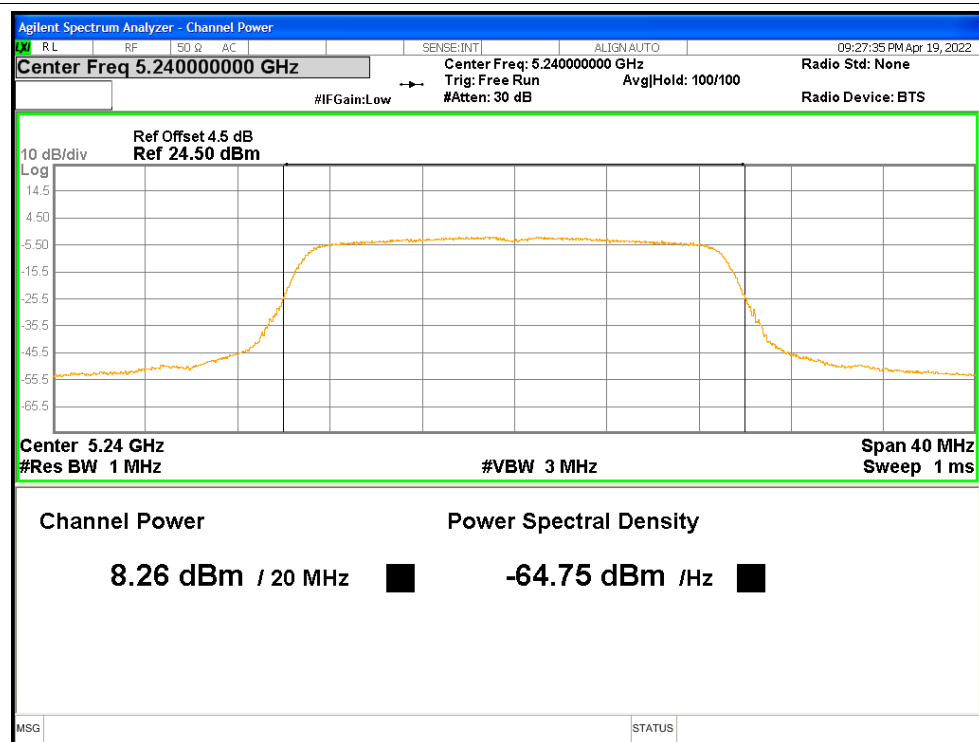
Average Power NVNT n20 5180MHz



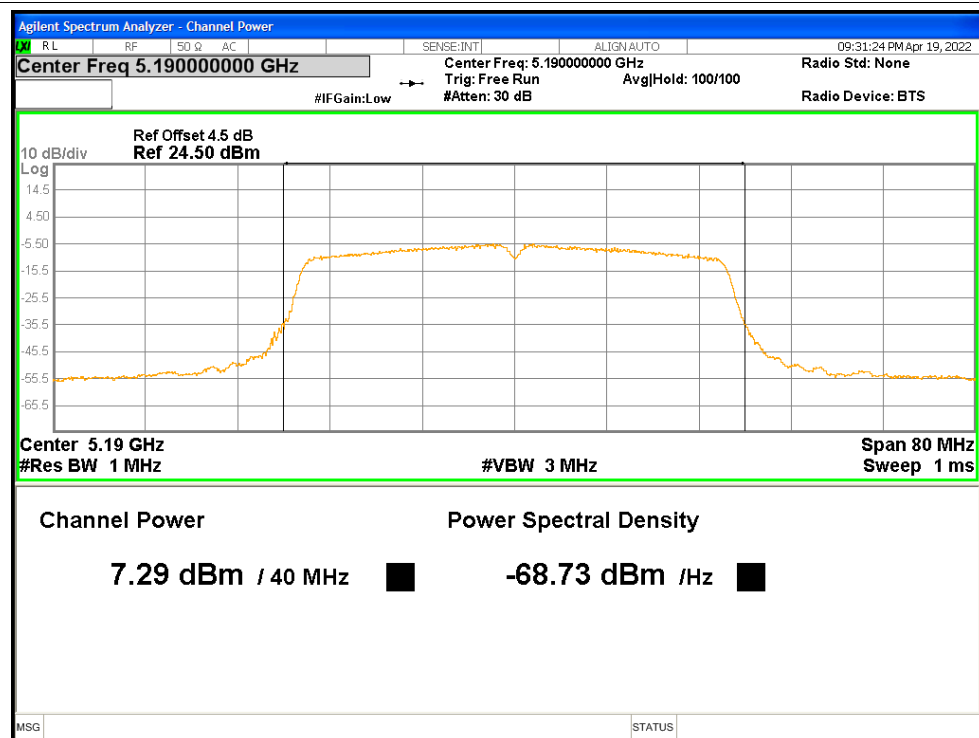
Average Power NVNT n20 5200MHz



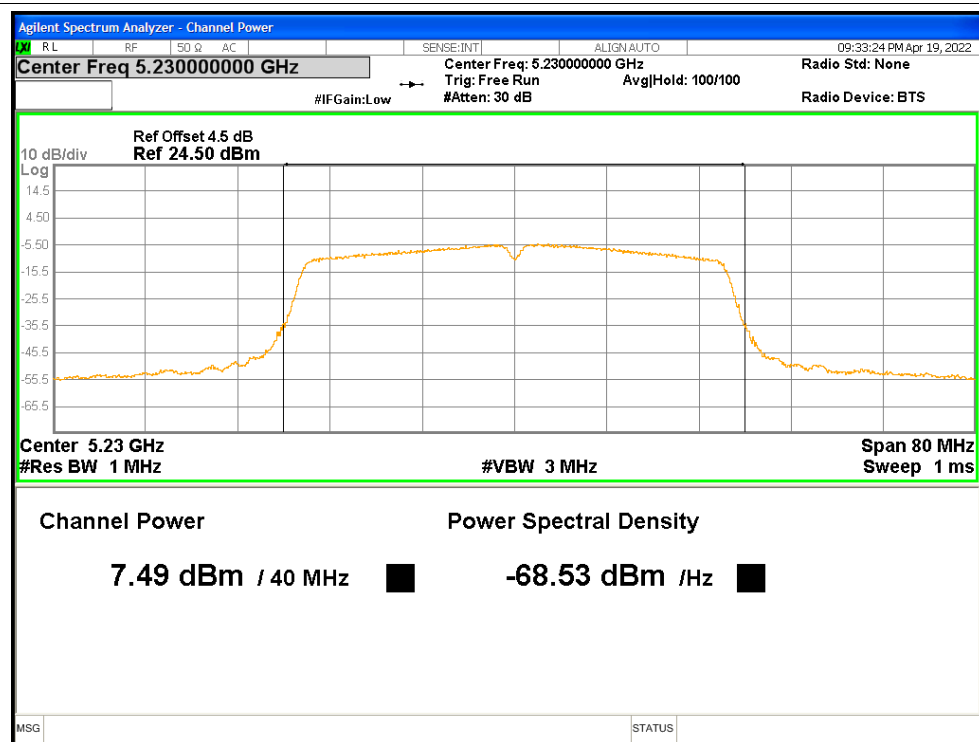
Average Power NVNT n20 5240MHz



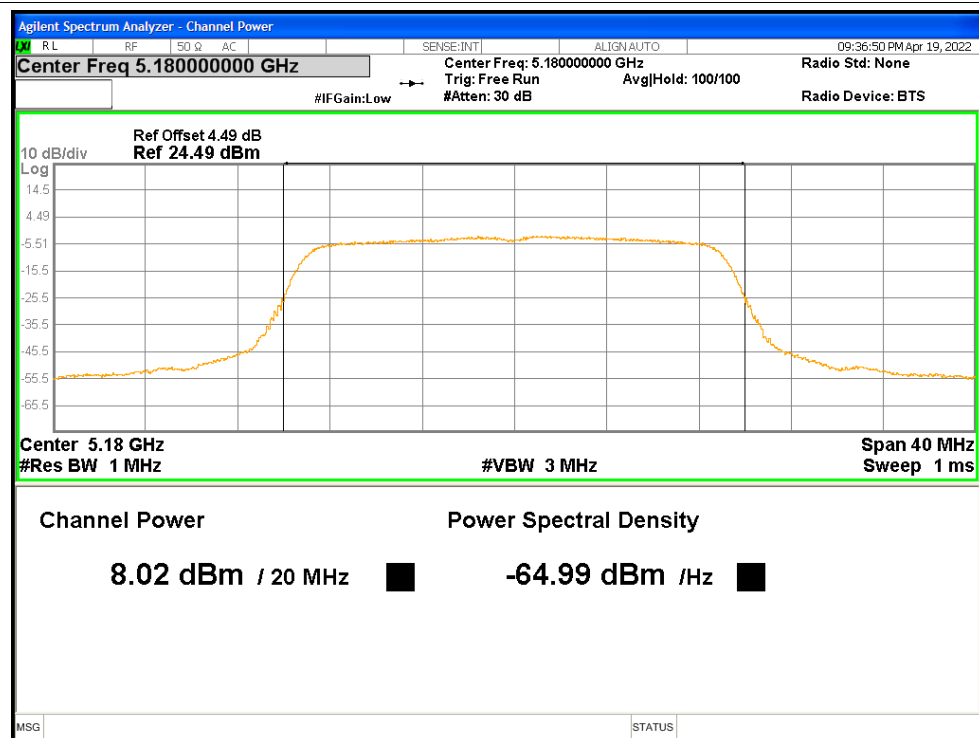
Average Power NVNT n40 5190MHz



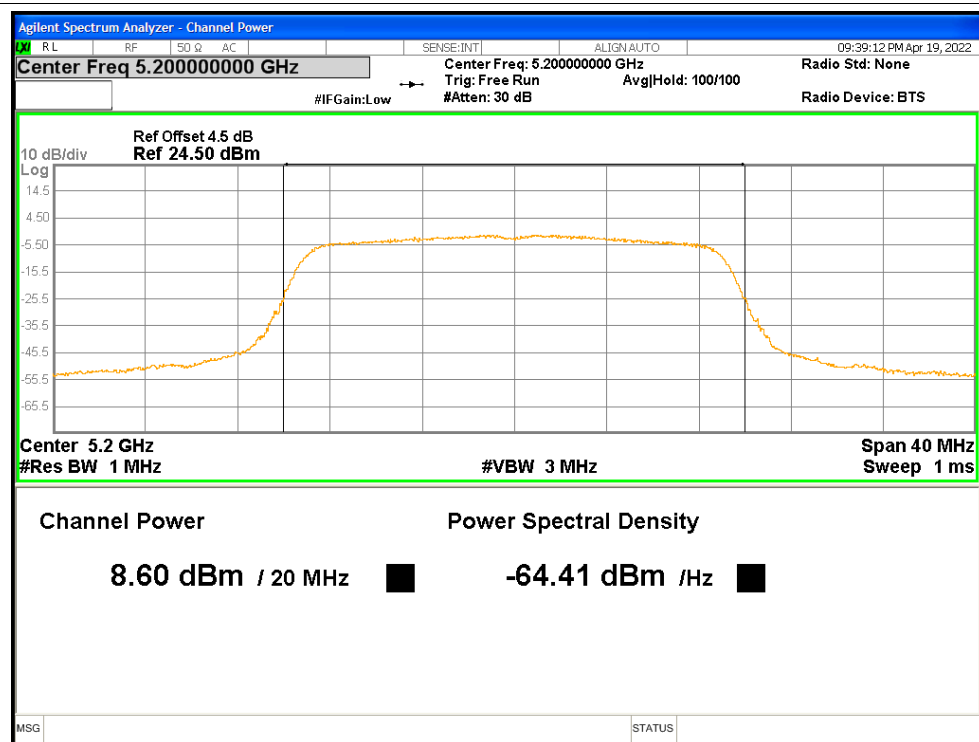
Average Power NVNT n40 5230MHz



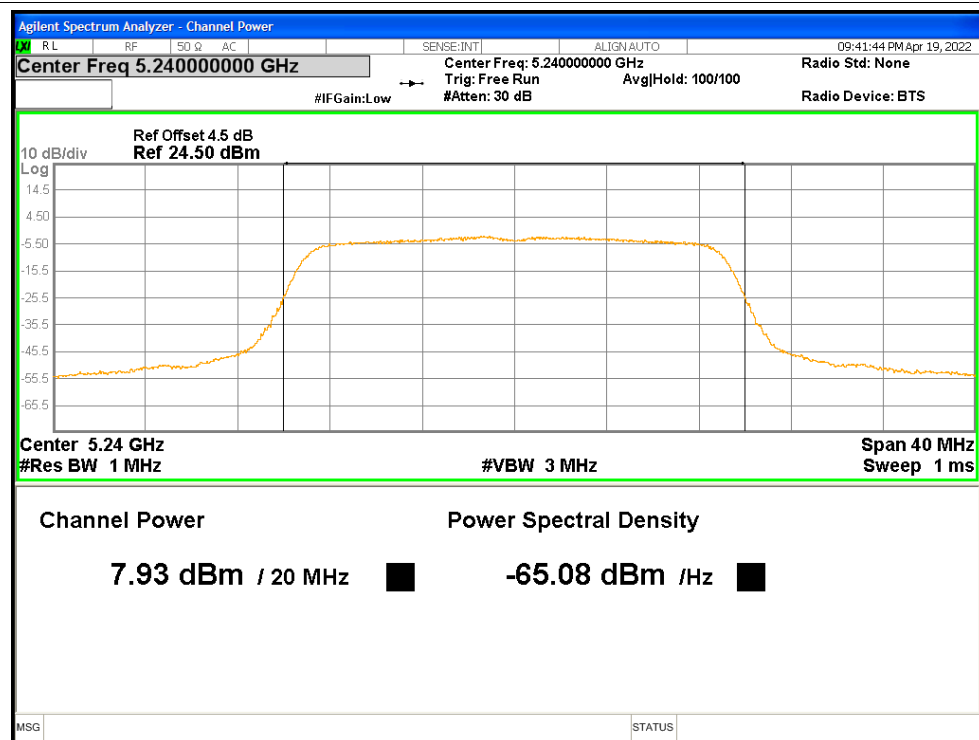
Average Power NVNT ac20 5180MHz



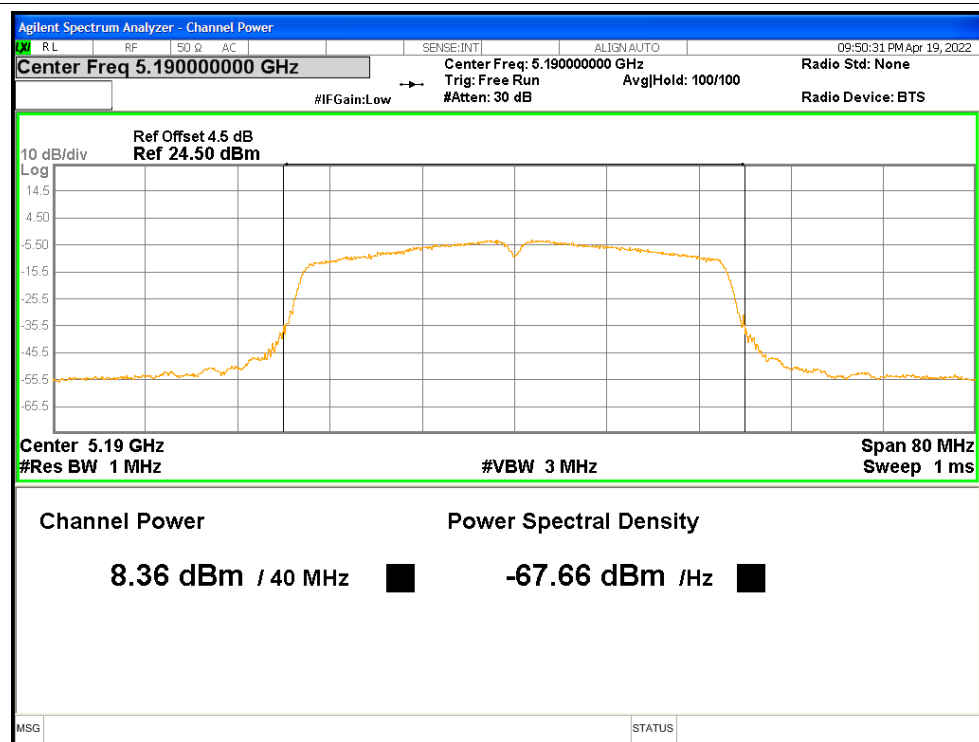
Average Power NVNT ac20 5200MHz



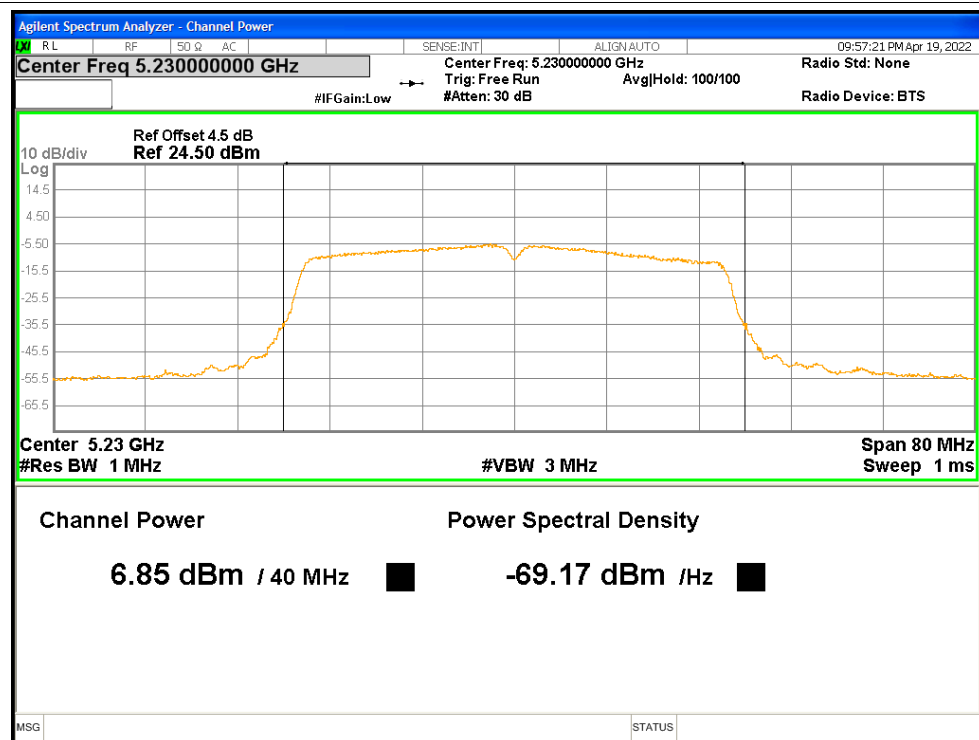
Average Power NVNT ac20 5240MHz



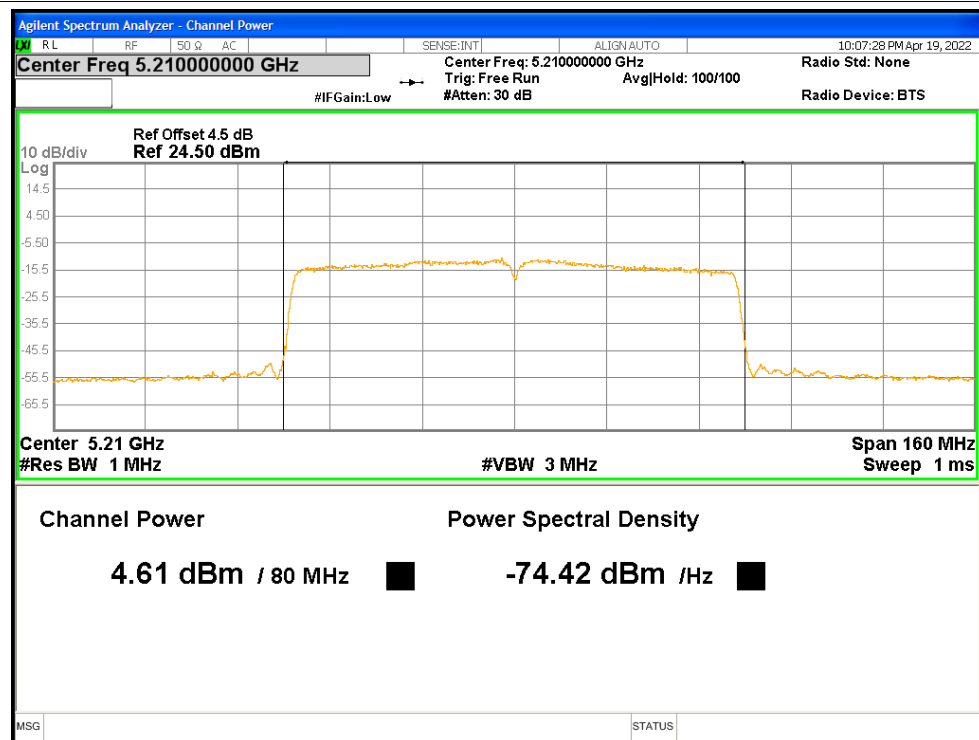
Average Power NVNT ac40 5190MHz



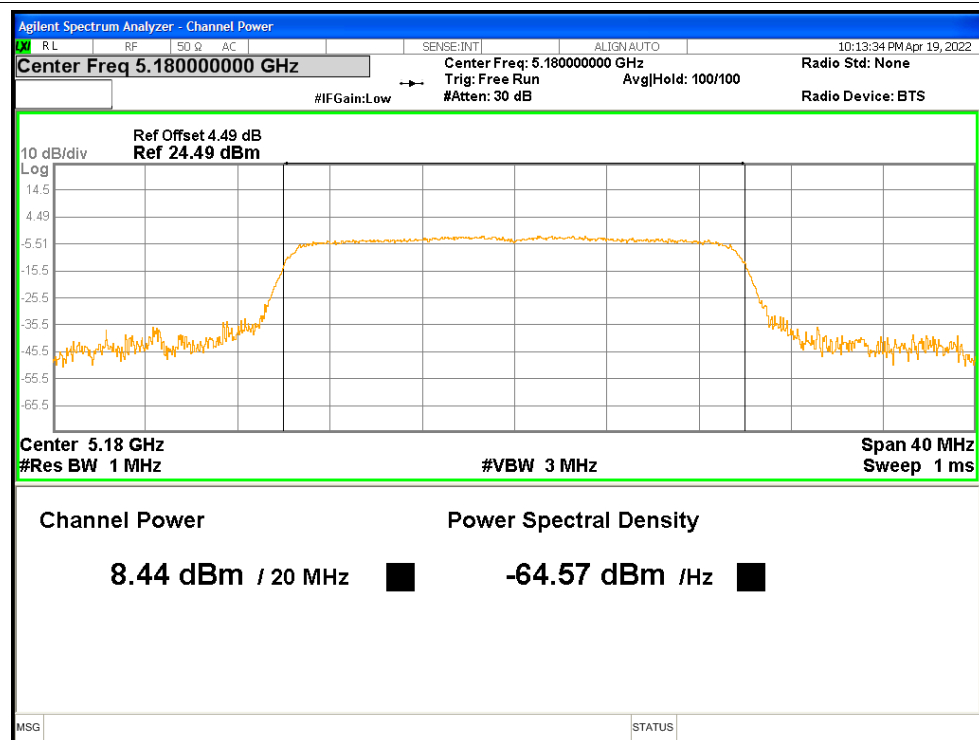
Average Power NVNT ac40 5230MHz



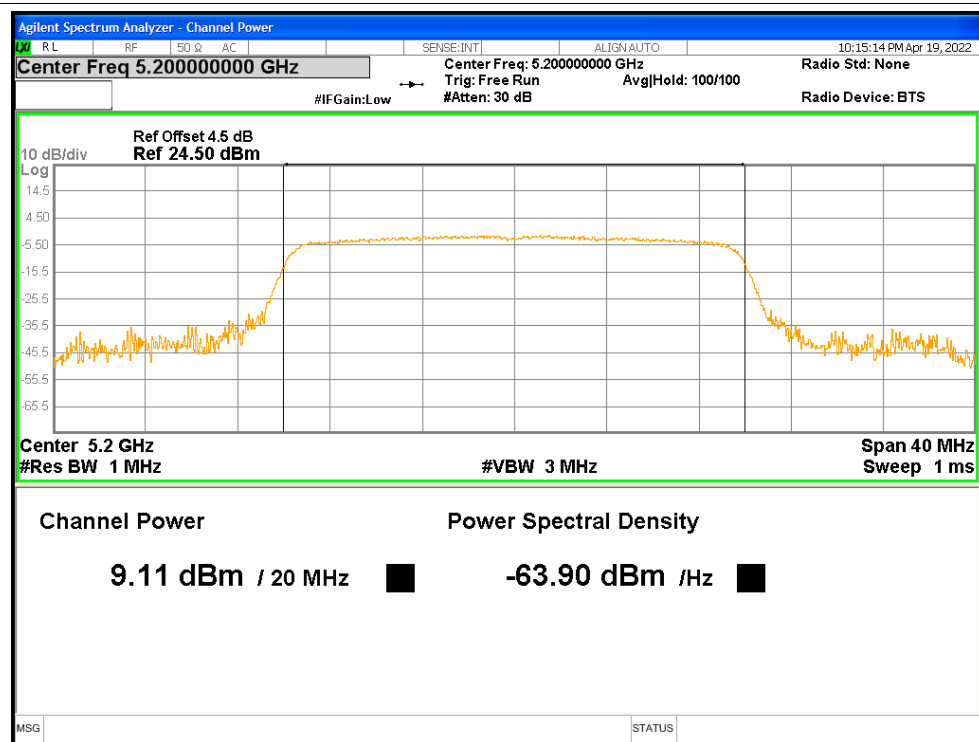
Average Power NVNT ac80 5210MHz



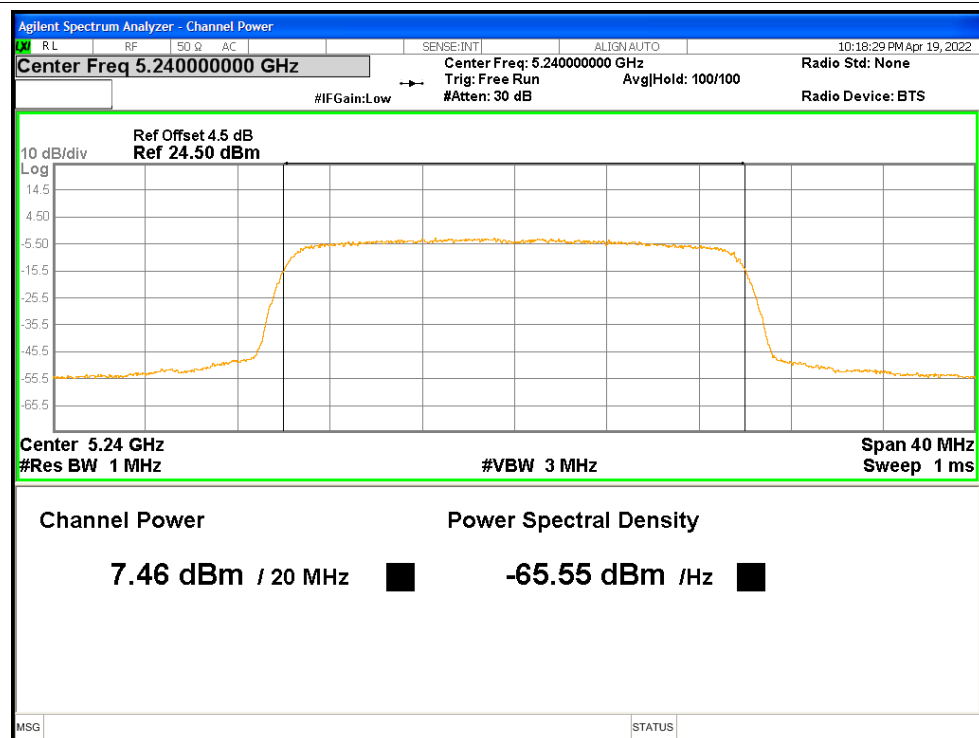
Average Power NVNT ax20 5180MHz



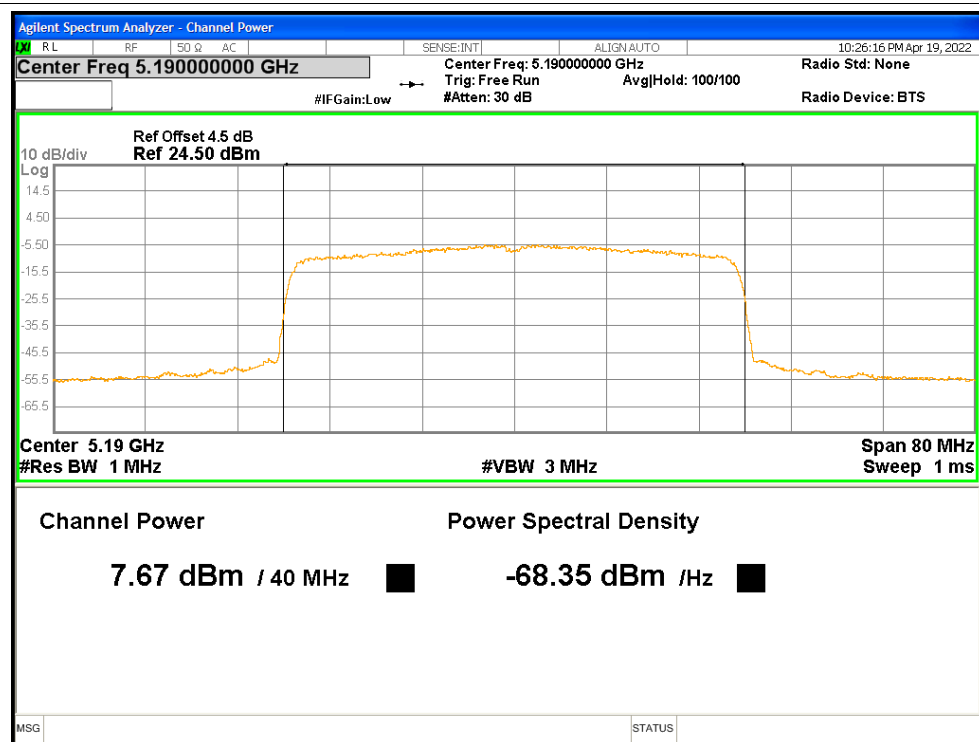
Average Power NVNT ax20 5200MHz



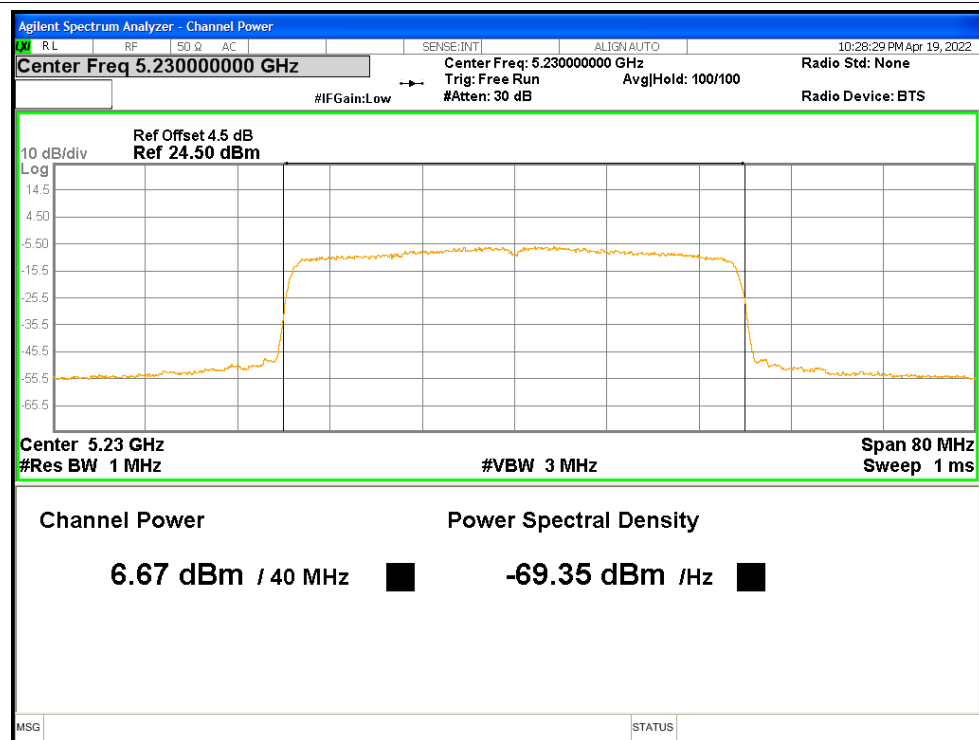
Average Power NVNT ax20 5240MHz



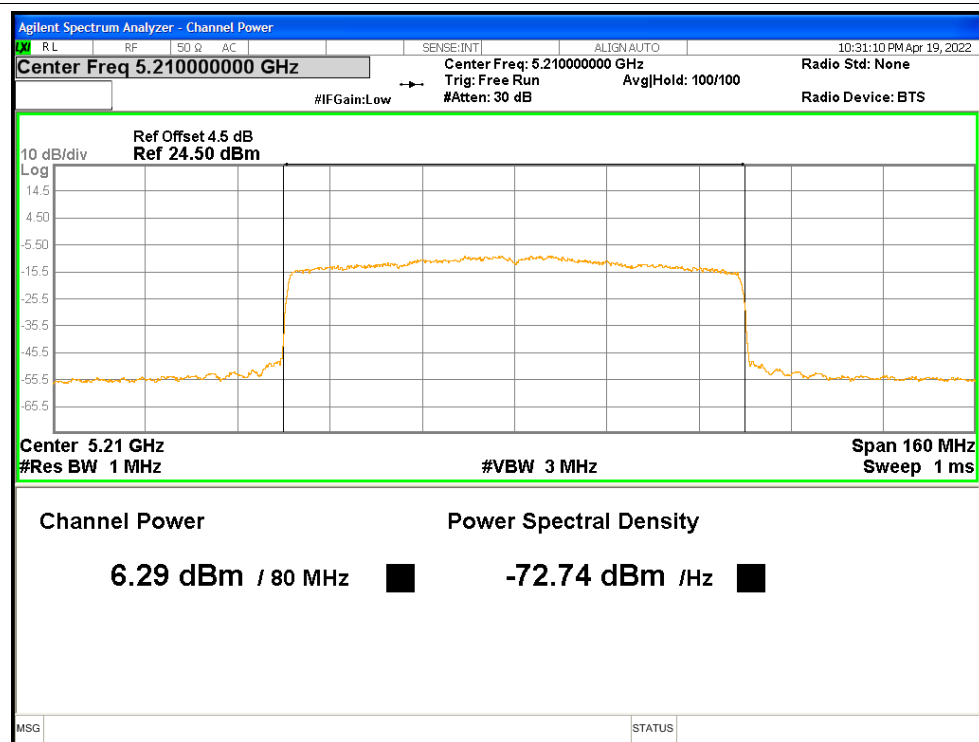
Average Power NVNT ax40 5190MHz



Average Power NVNT ax40 5230MHz



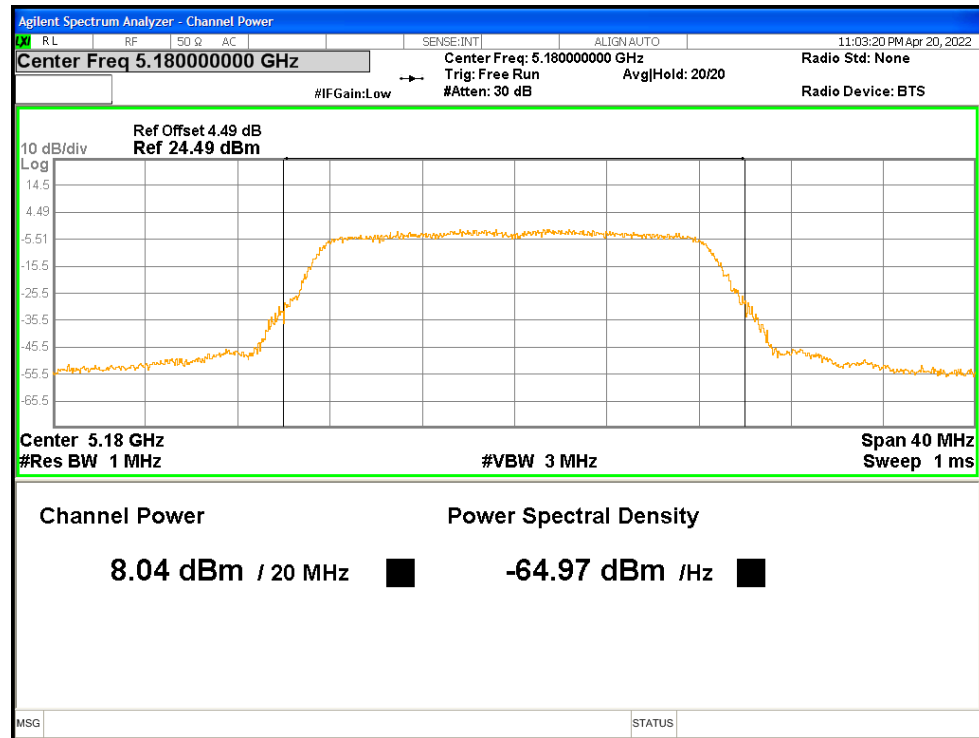
Average Power NVNT ax80 5210MHz



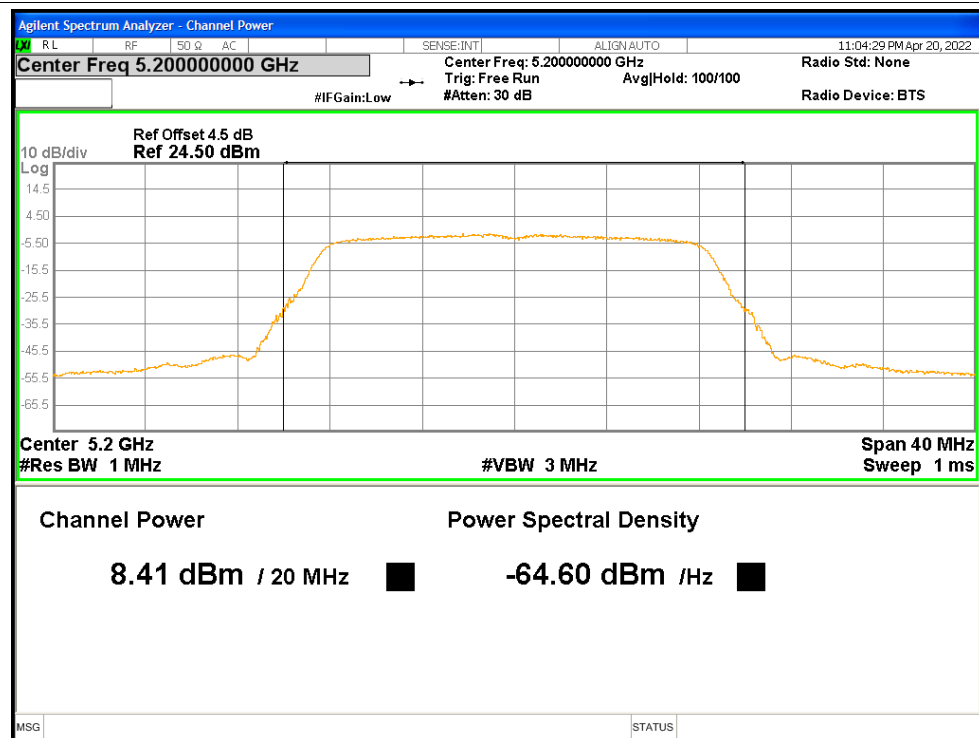
ANT B

Test Graphs

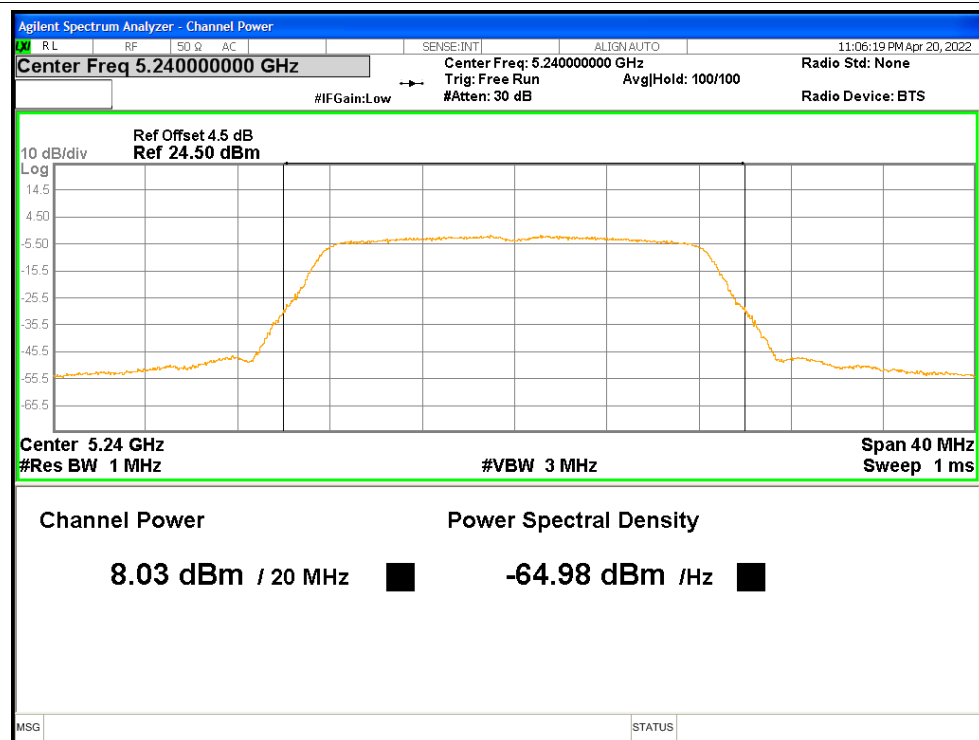
Average Power NVNT a 5180MHz



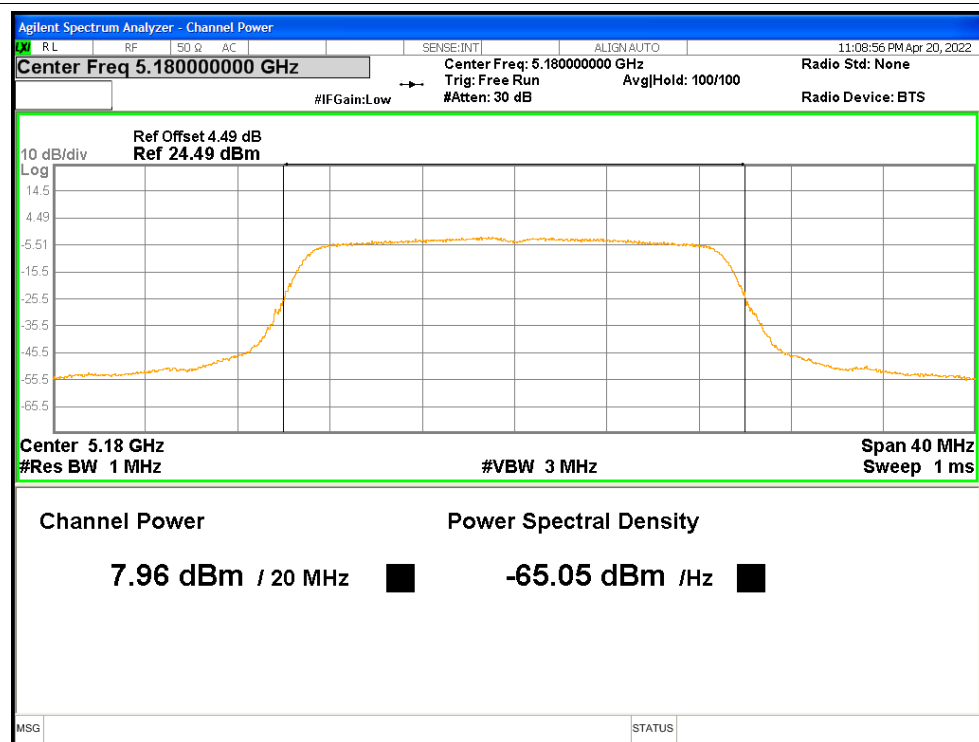
Average Power NVNT a 5200MHz



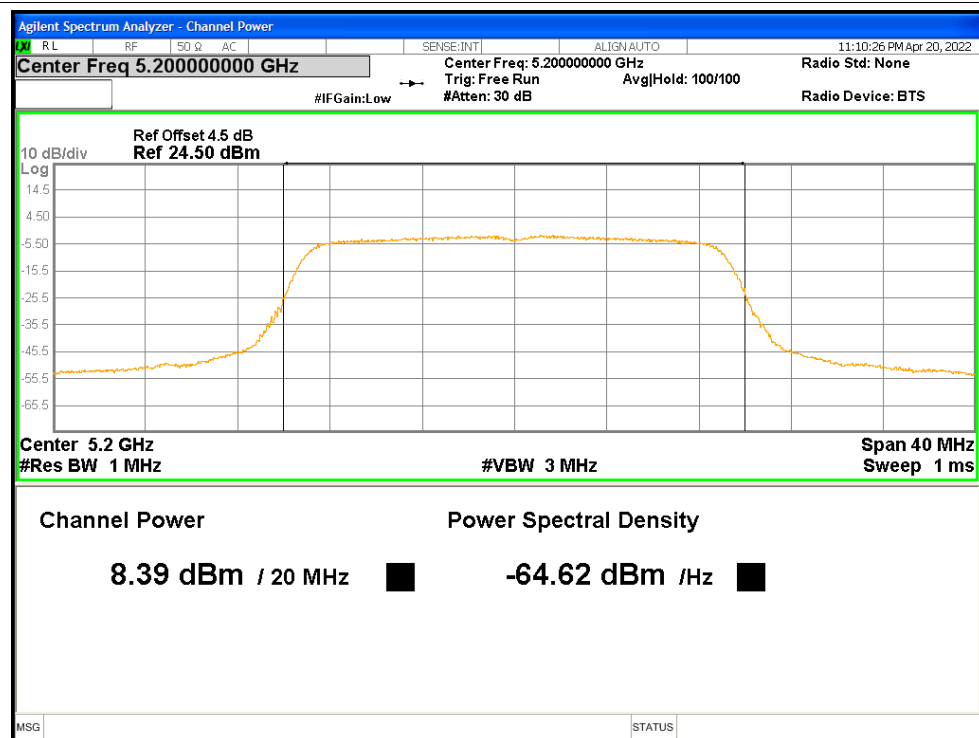
Average Power NVNT a 5240MHz



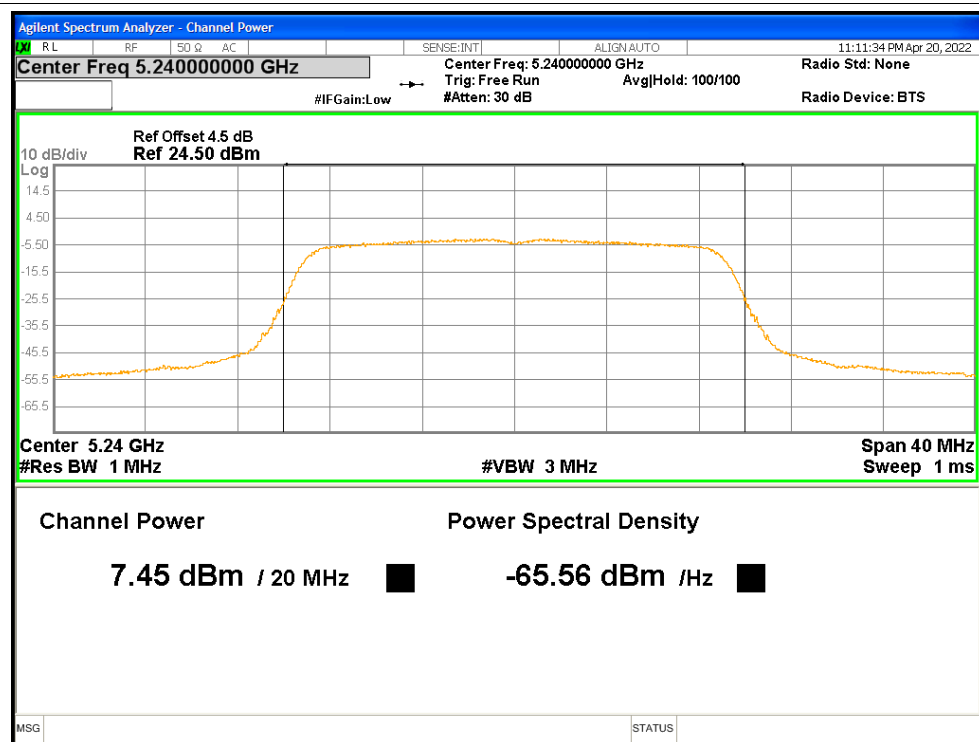
Average Power NVNT n20 5180MHz



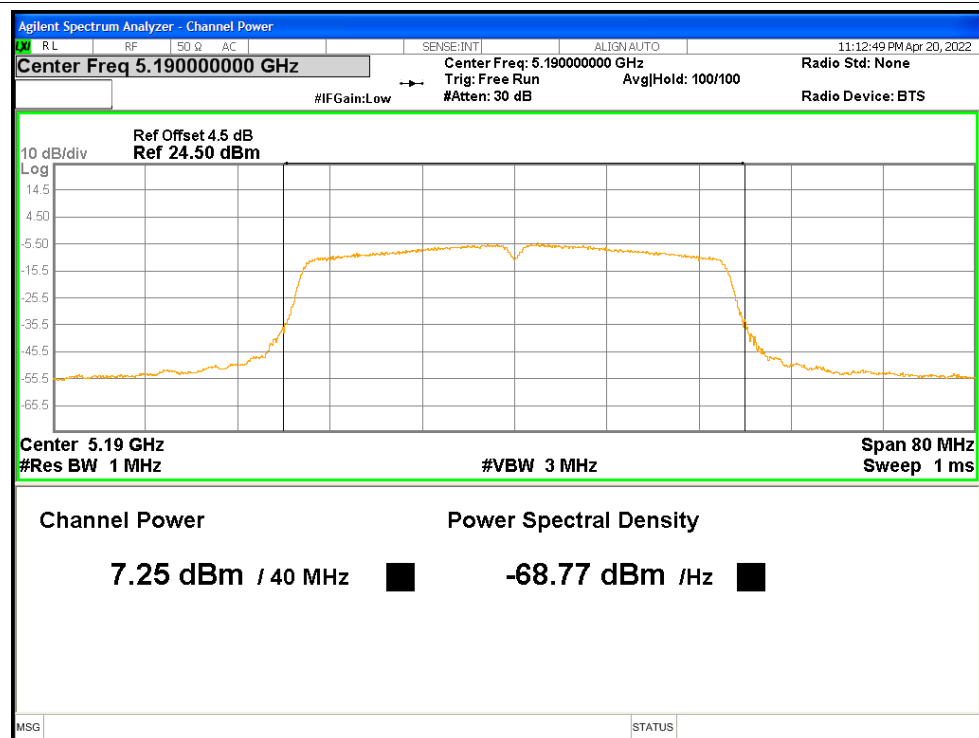
Average Power NVNT n20 5200MHz



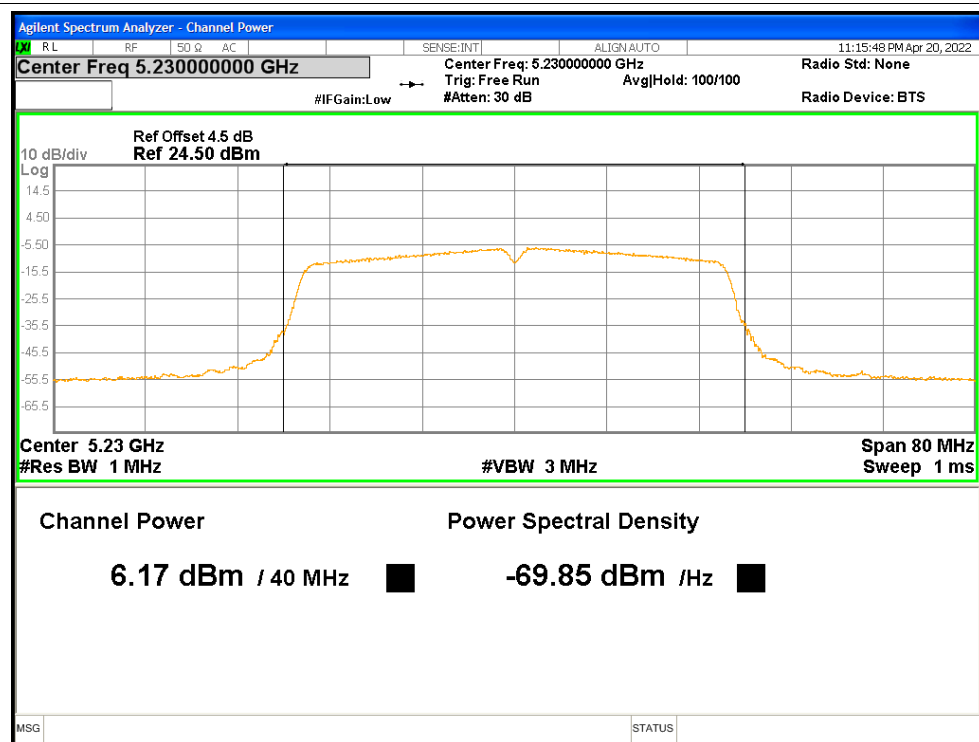
Average Power NVNT n20 5240MHz



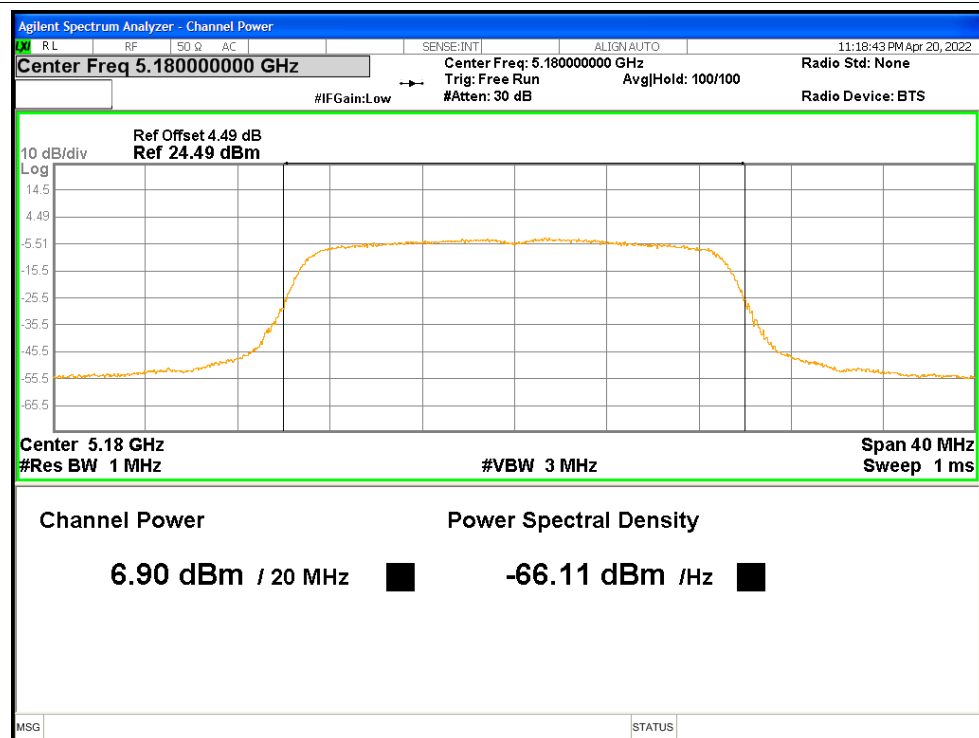
Average Power NVNT n40 5190MHz



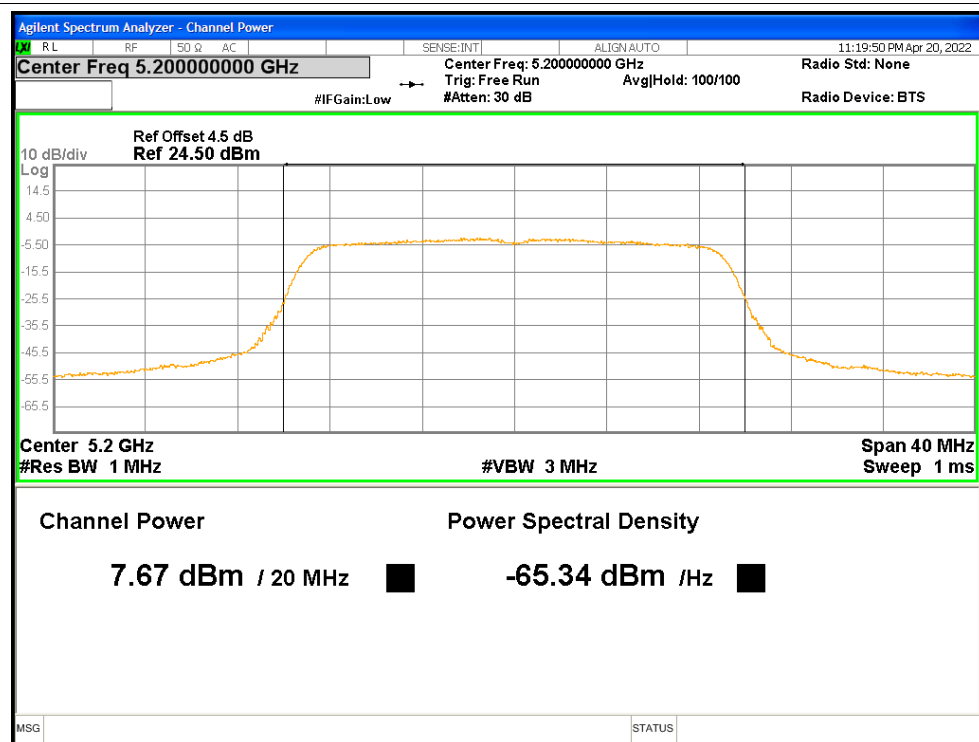
Average Power NVNT n40 5230MHz



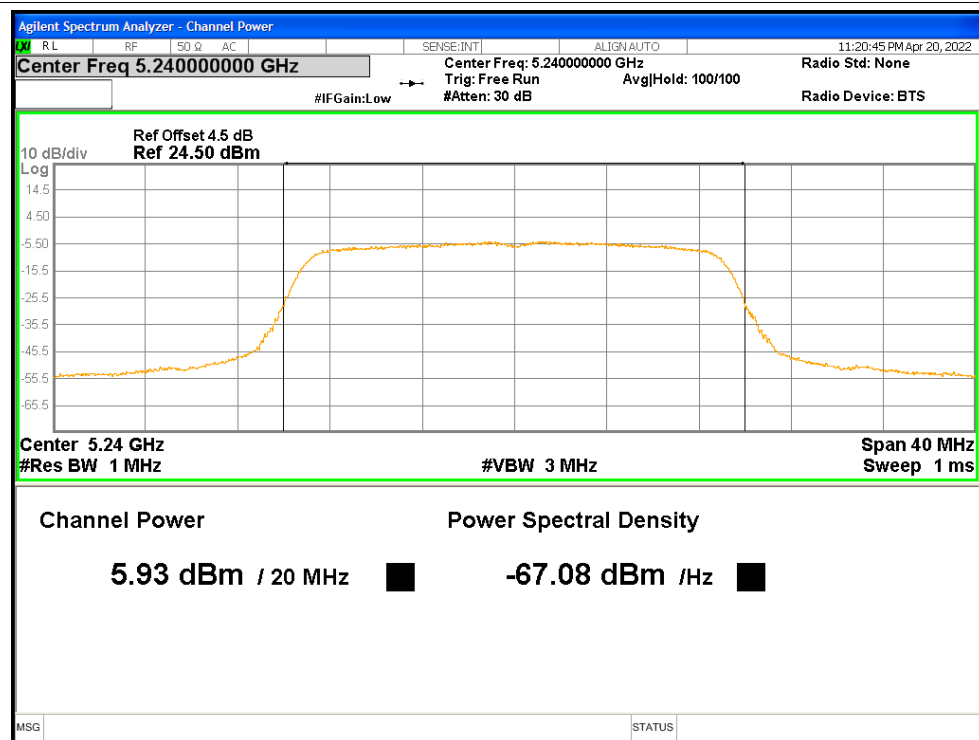
Average Power NVNT ac20 5180MHz



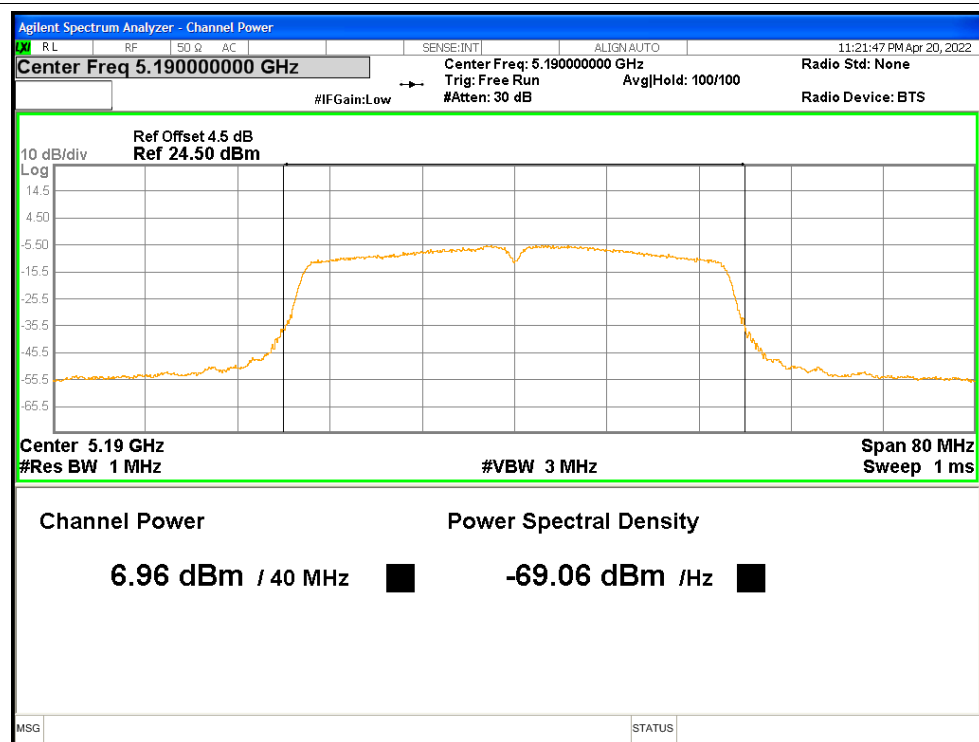
Average Power NVNT ac20 5200MHz



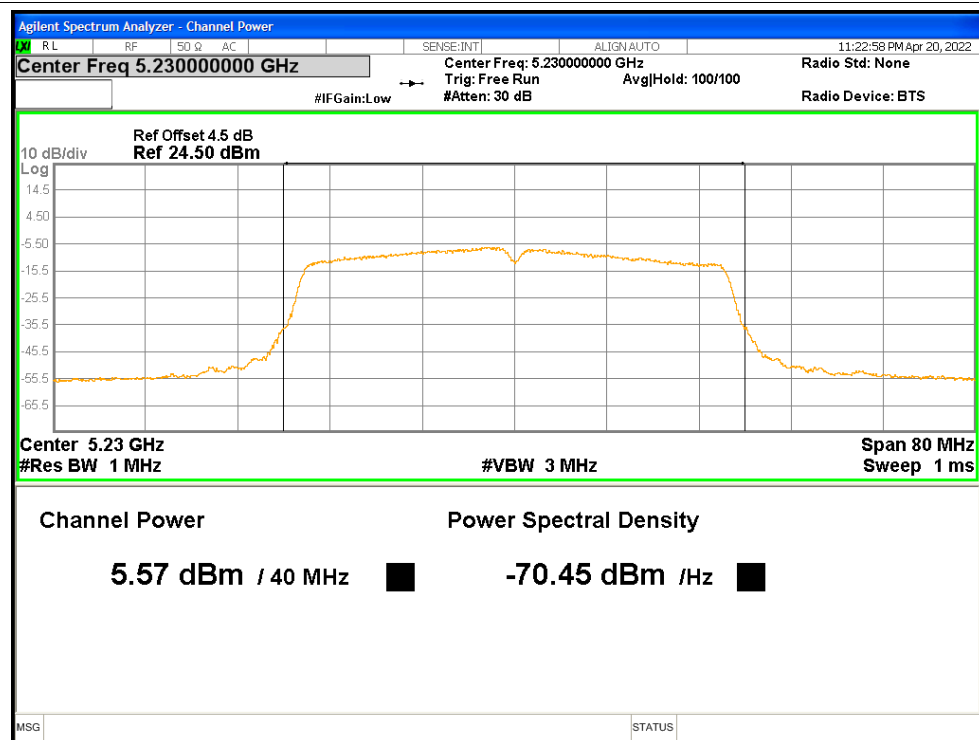
Average Power NVNT ac20 5240MHz



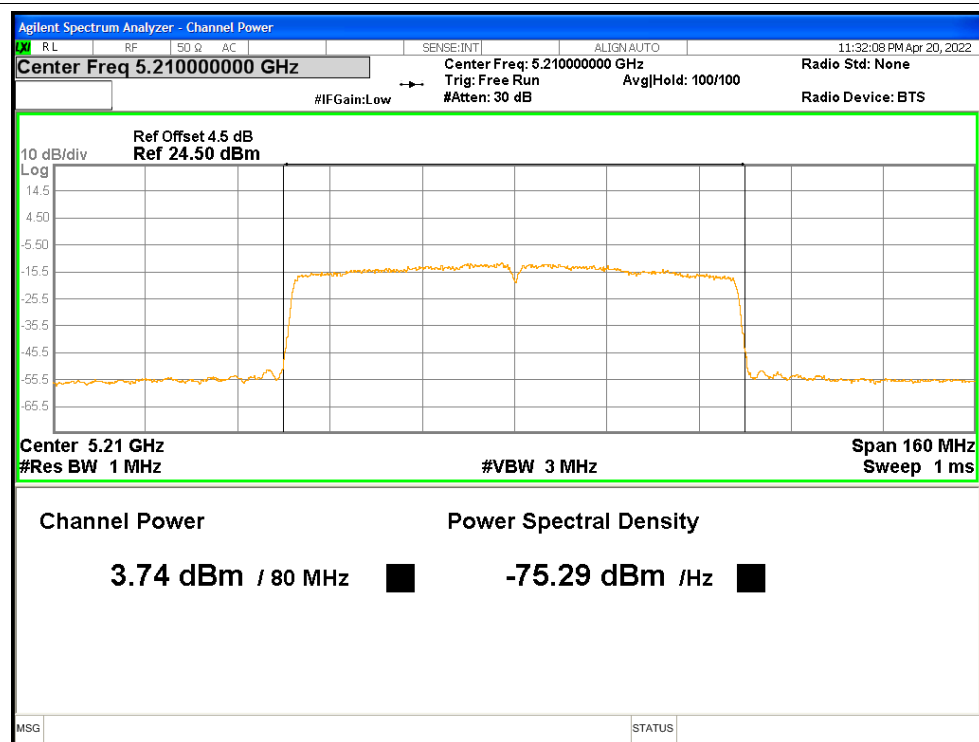
Average Power NVNT ac40 5190MHz



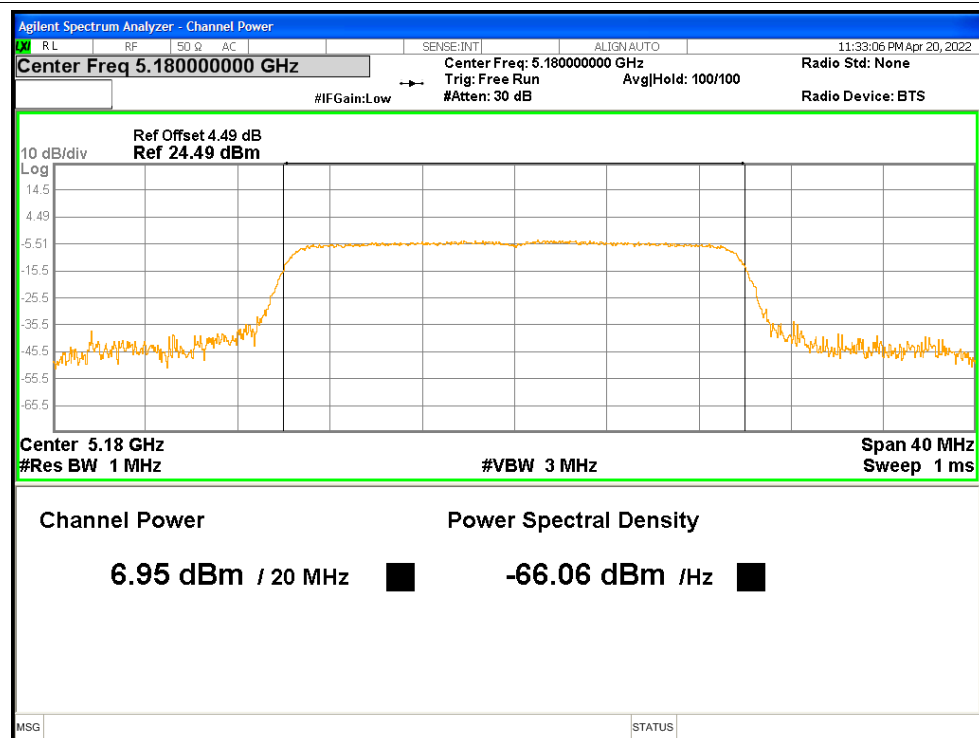
Average Power NVNT ac40 5230MHz



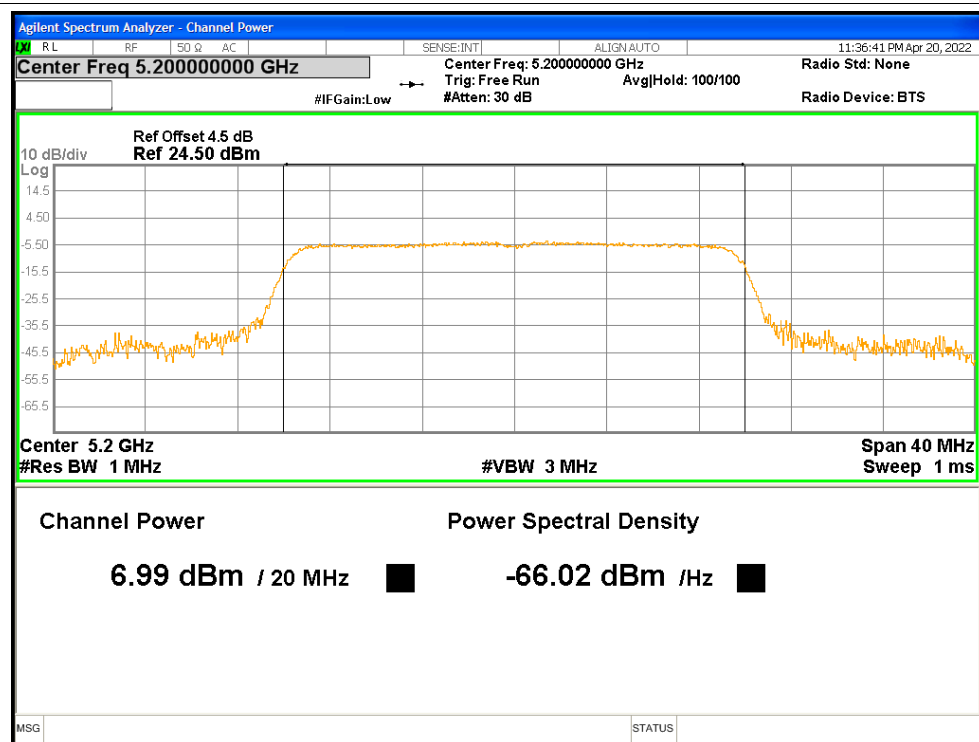
Average Power NVNT ac80 5210MHz



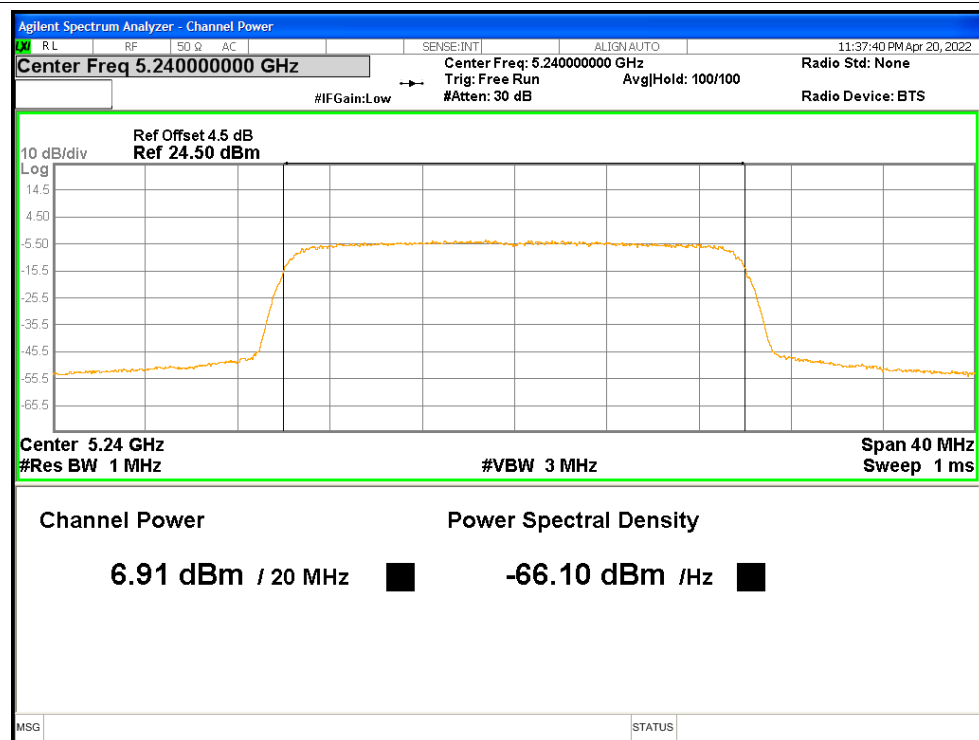
Average Power NVNT ax20 5180MHz



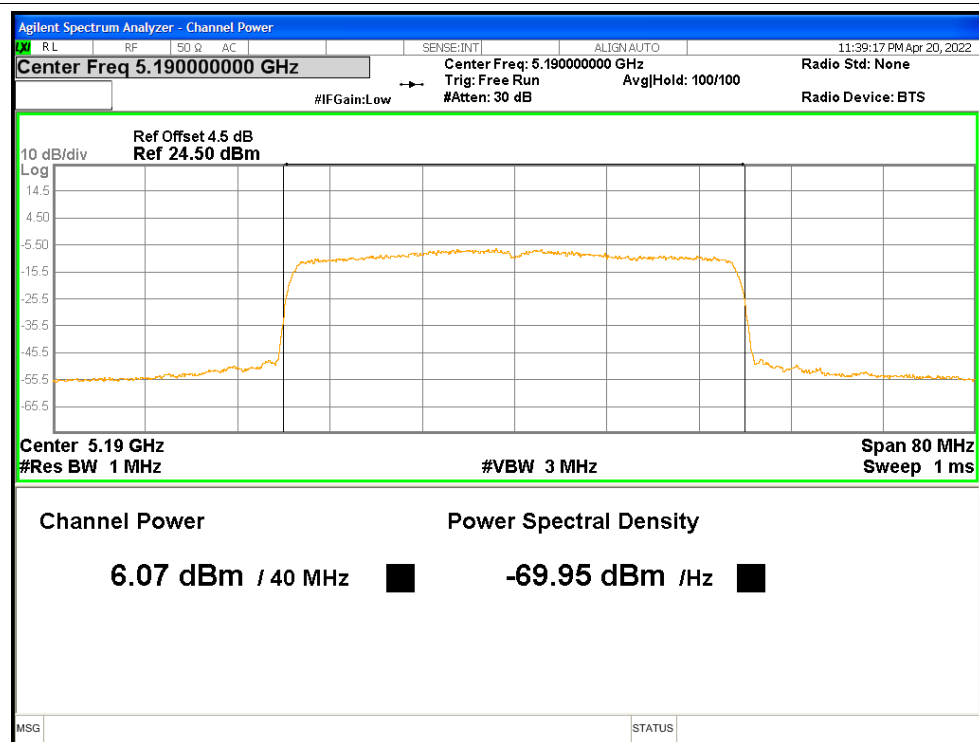
Average Power NVNT ax20 5200MHz



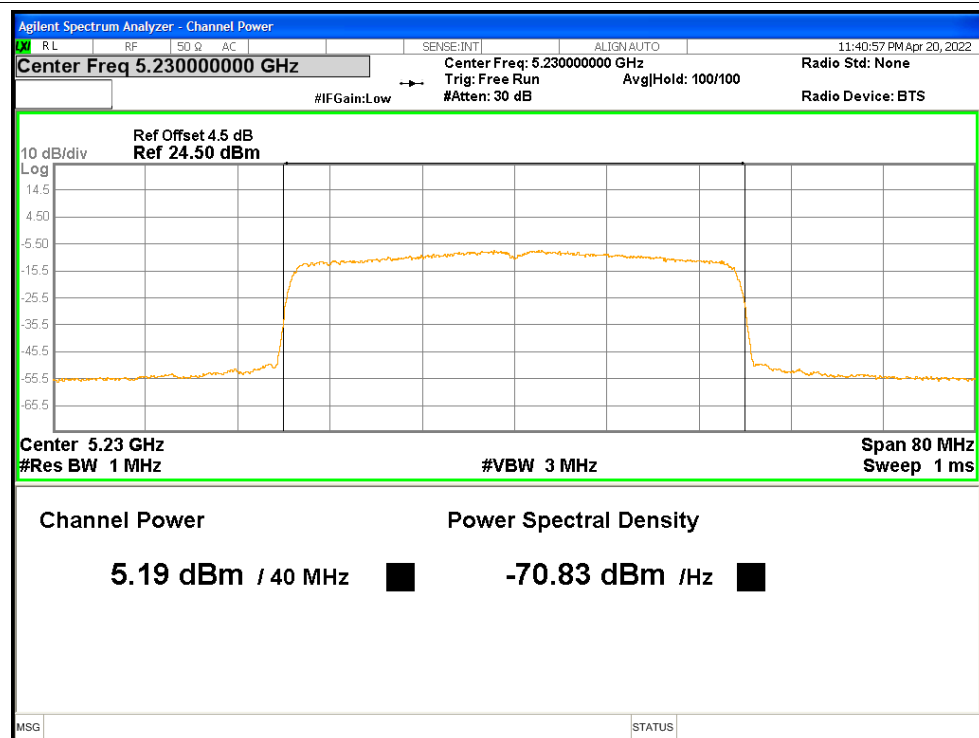
Average Power NVNT ax20 5240MHz



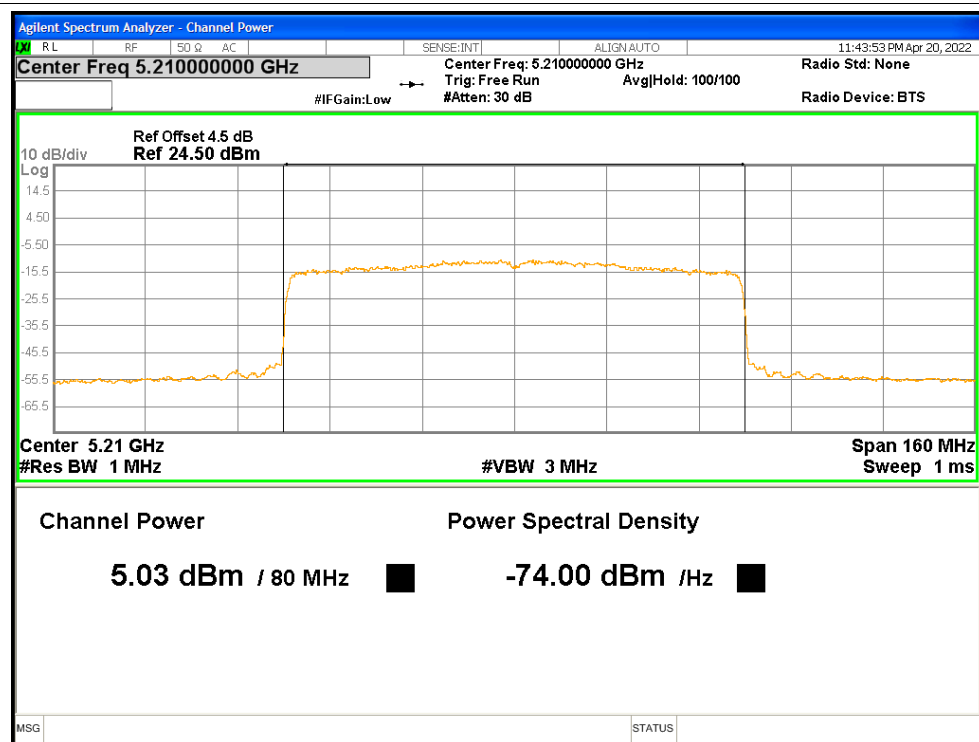
Average Power NVNT ax40 5190MHz



Average Power NVNT ax40 5230MHz



Average Power NVNT ax80 5210MHz

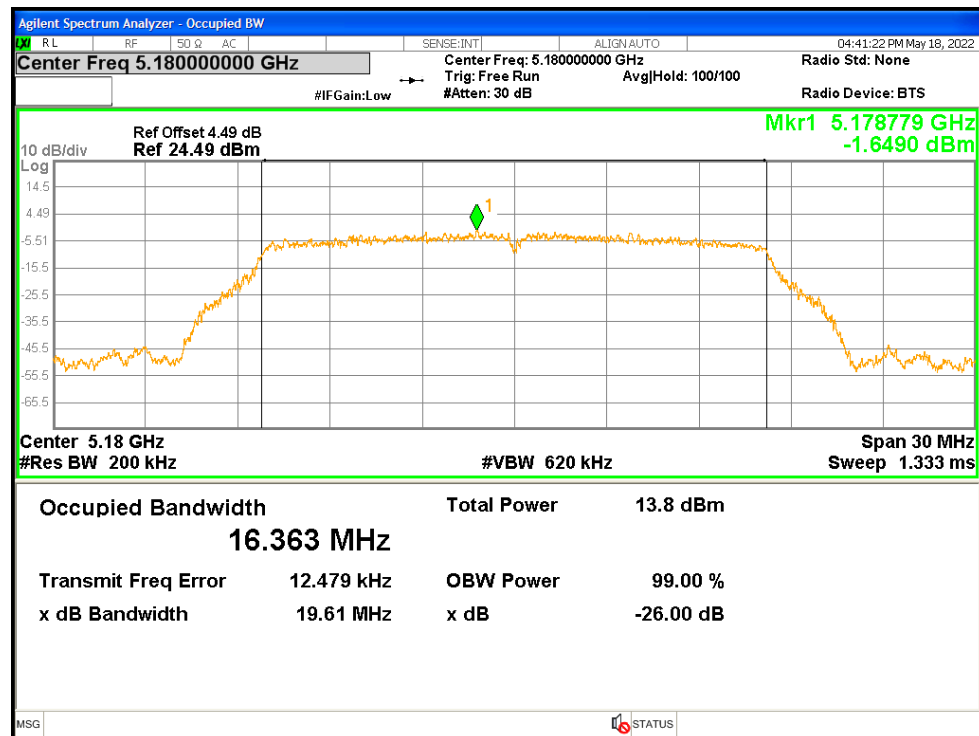


Occupied Channel Bandwidth

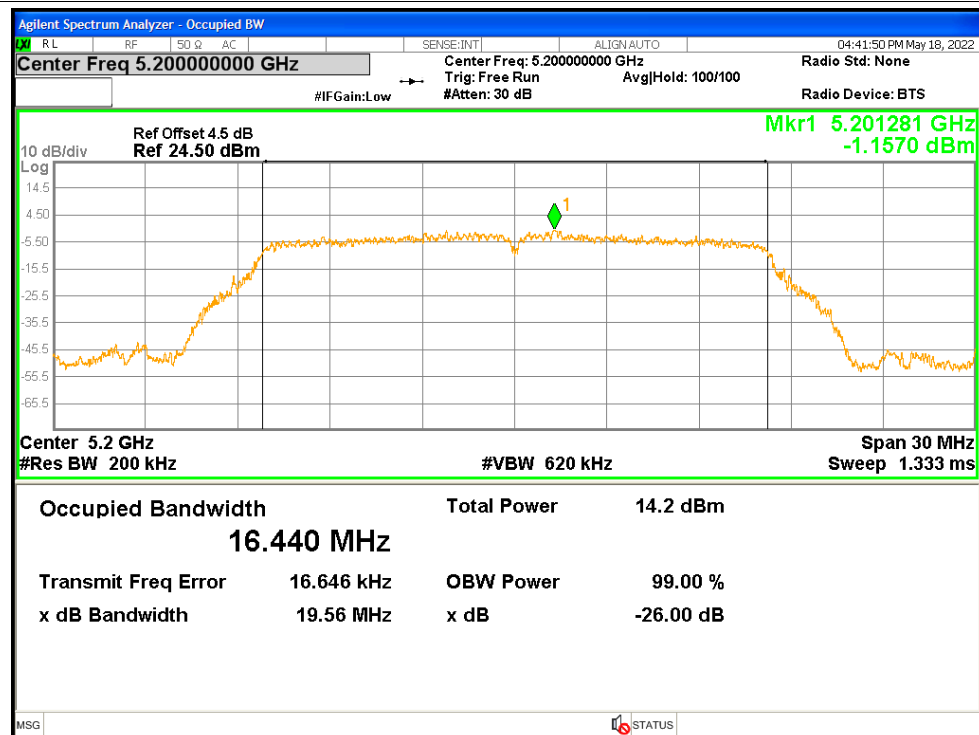
Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5180	16.363
NVNT	a	5200	16.44
NVNT	a	5240	16.383
NVNT	n20	5180	17.54
NVNT	n20	5200	17.556
NVNT	n20	5240	17.523
NVNT	n40	5190	36.037
NVNT	n40	5230	35.936
NVNT	ac20	5180	17.529
NVNT	ac20	5200	17.543
NVNT	ac20	5240	17.547
NVNT	ac40	5190	35.974
NVNT	ac40	5230	35.902
NVNT	ac80	5210	75.298
NVNT	ax20	5180	17.517
NVNT	ax20	5200	17.554
NVNT	ax20	5240	17.567
NVNT	ax40	5190	35.957
NVNT	ax40	5230	35.914
NVNT	ax80	5210	75.359

Test Graphs

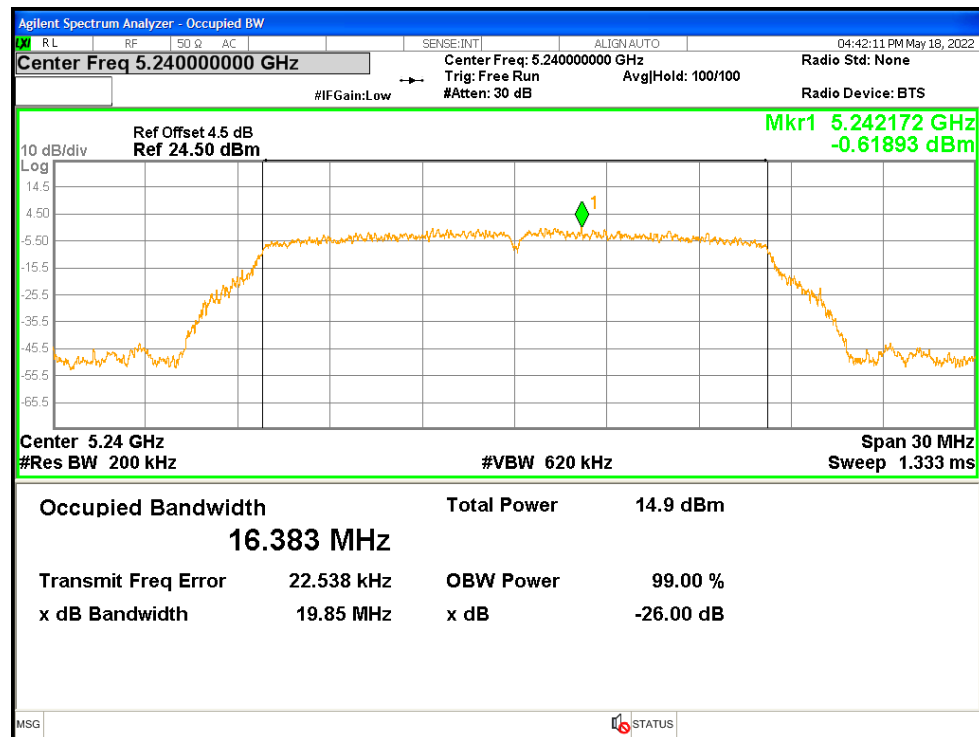
OBW NVNT a 5180MHz Ant1



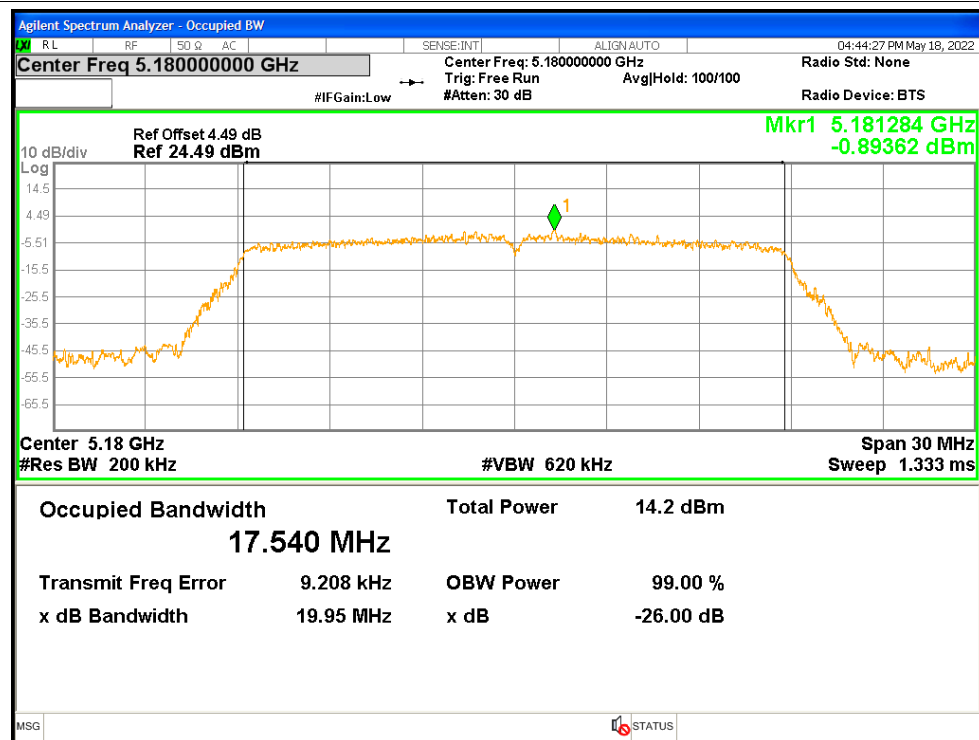
OBW NVNT a 5200MHz Ant1



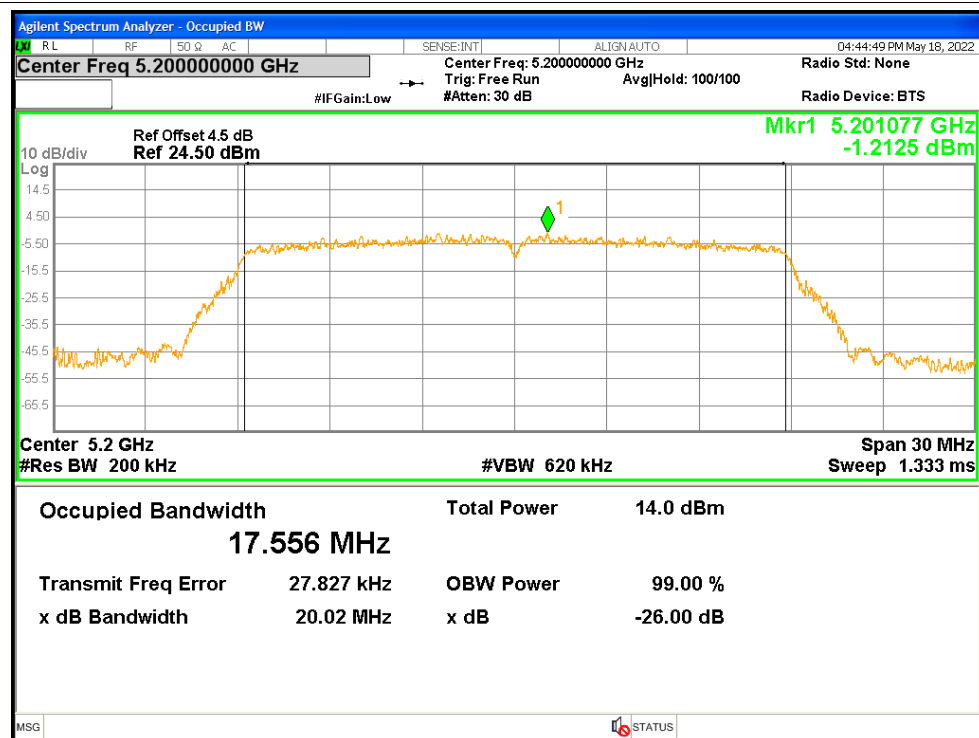
OBW NVNT a 5240MHz Ant1



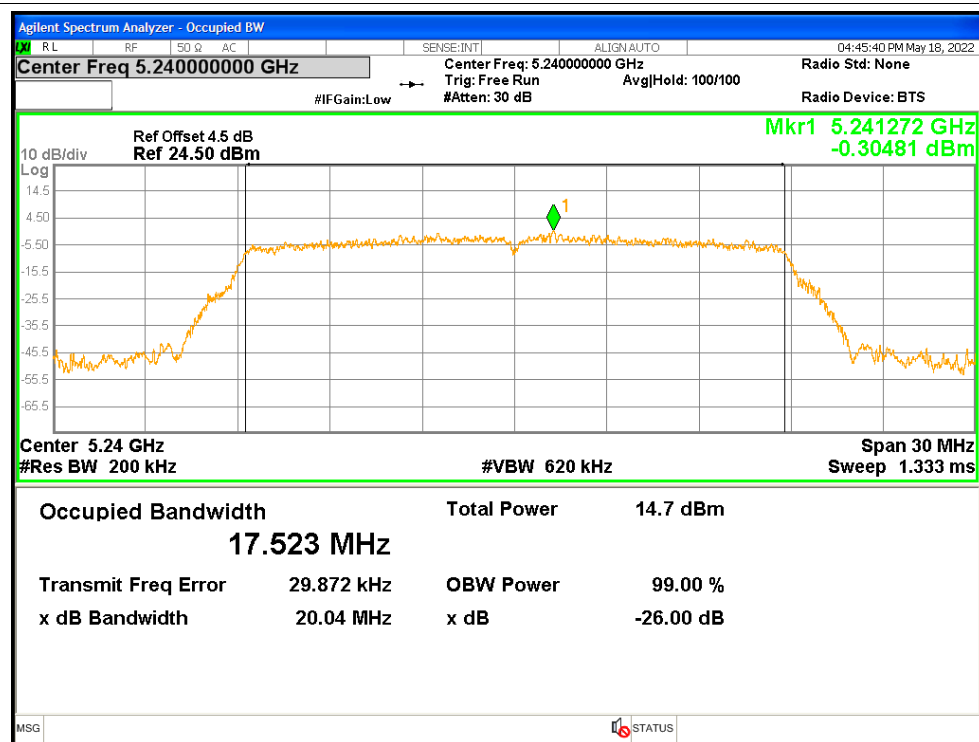
OBW NVNT n20 5180MHz Ant1



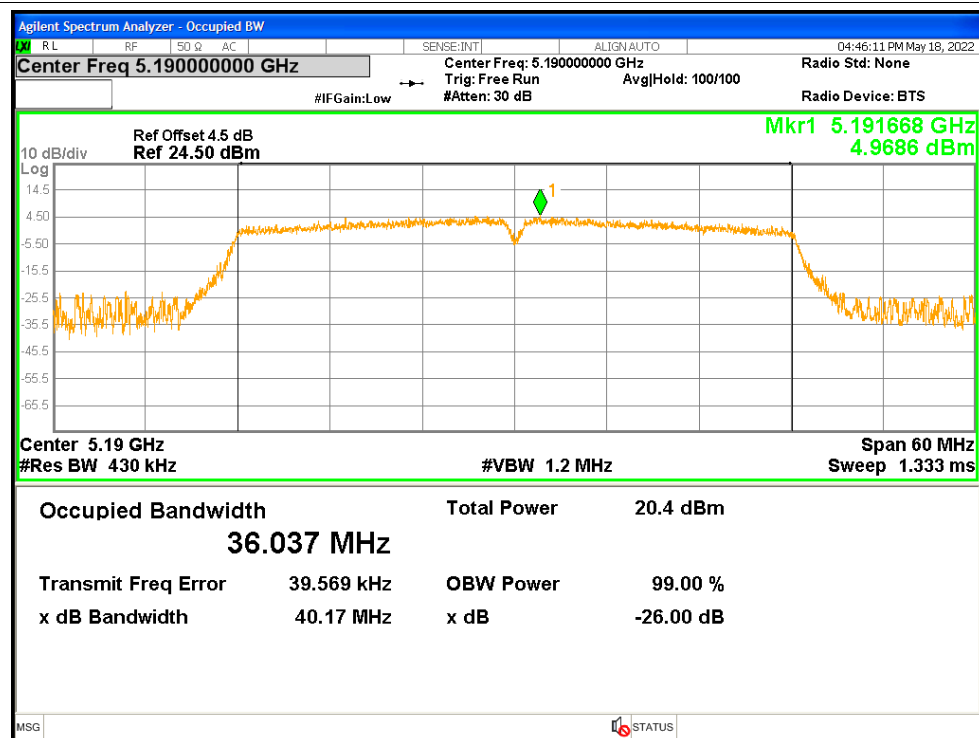
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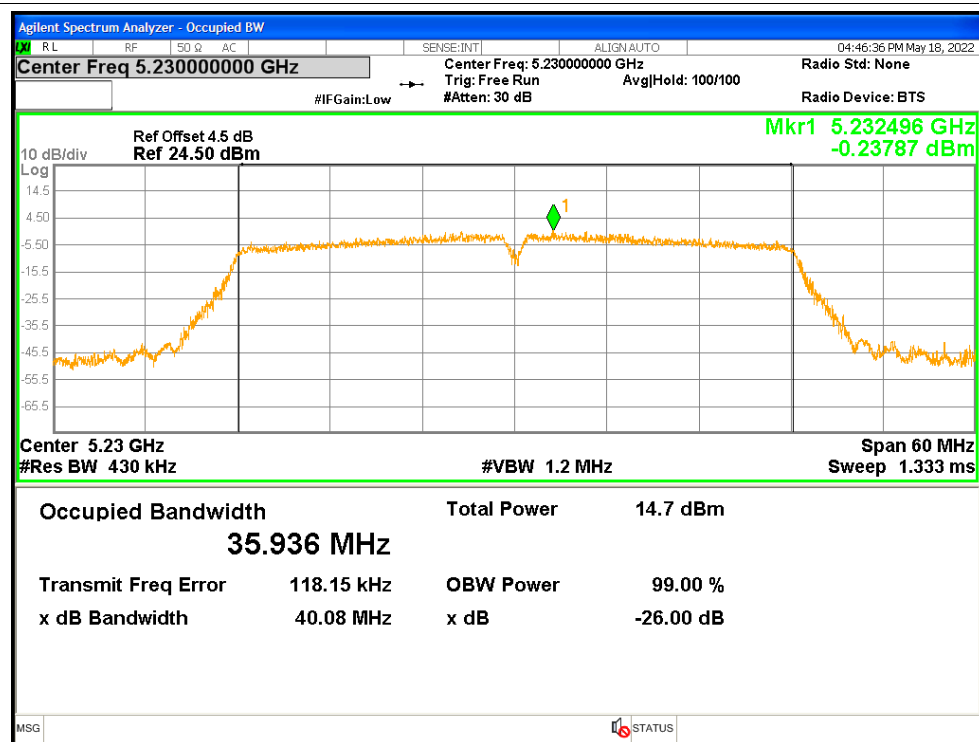
OBW NVNT n20 5240MHz Ant1



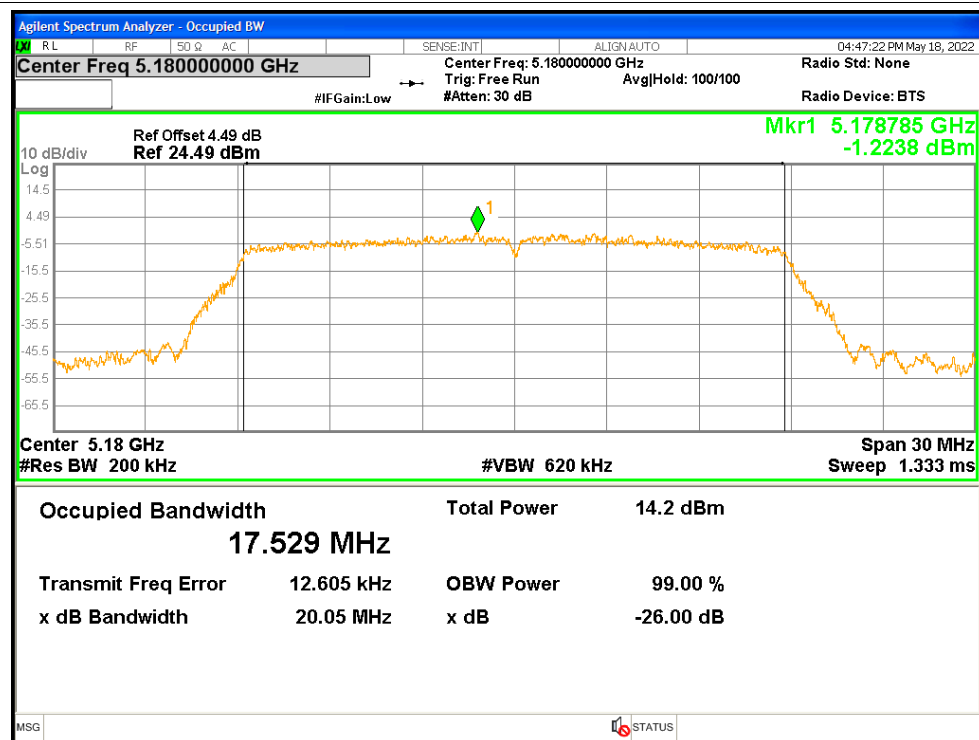
OBW NVNT n40 5190MHz Ant1



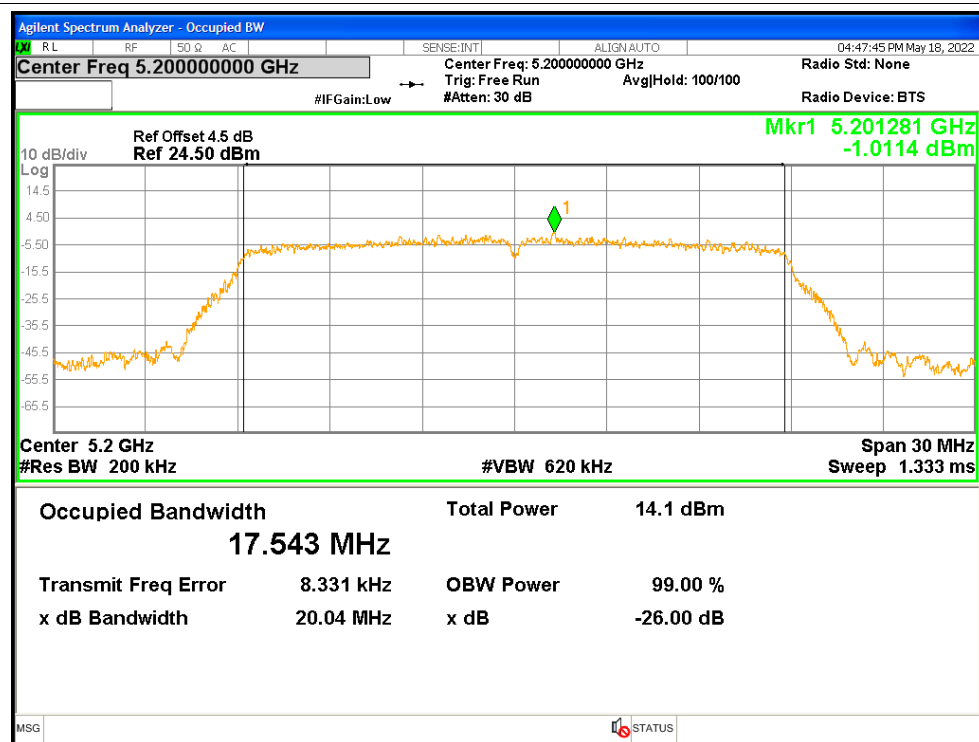
OBW NVNT n40 5230MHz Ant1



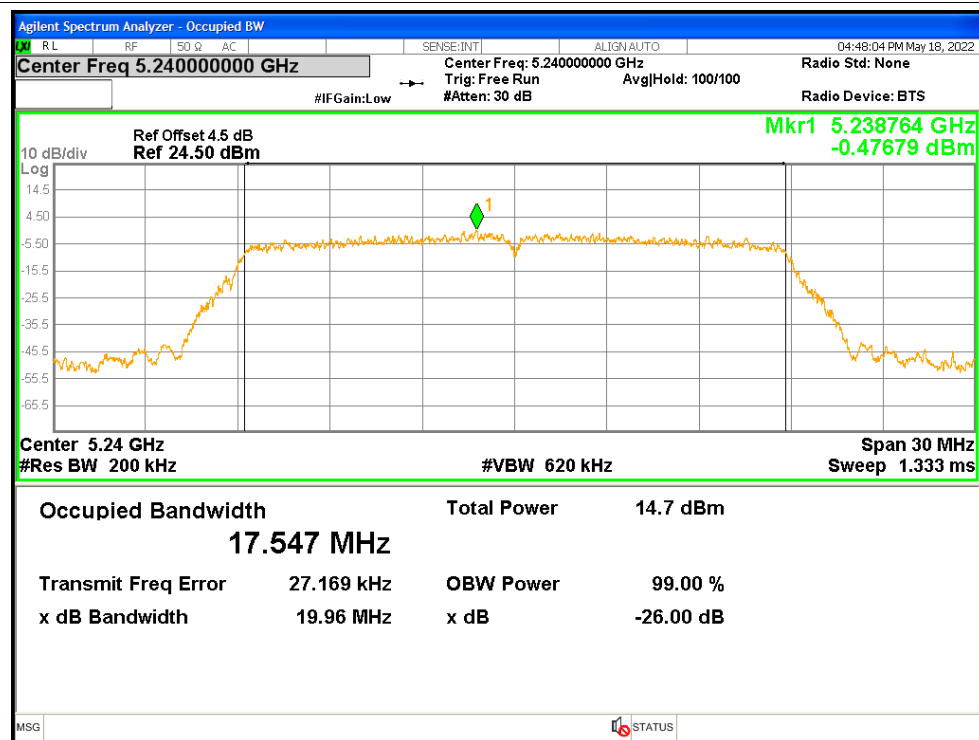
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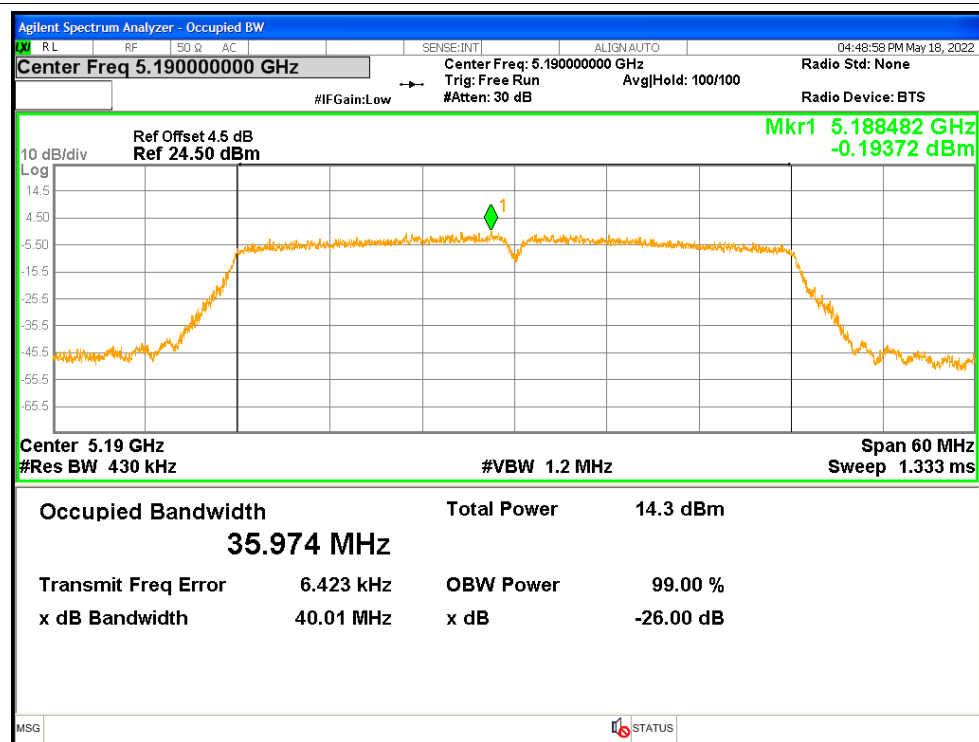
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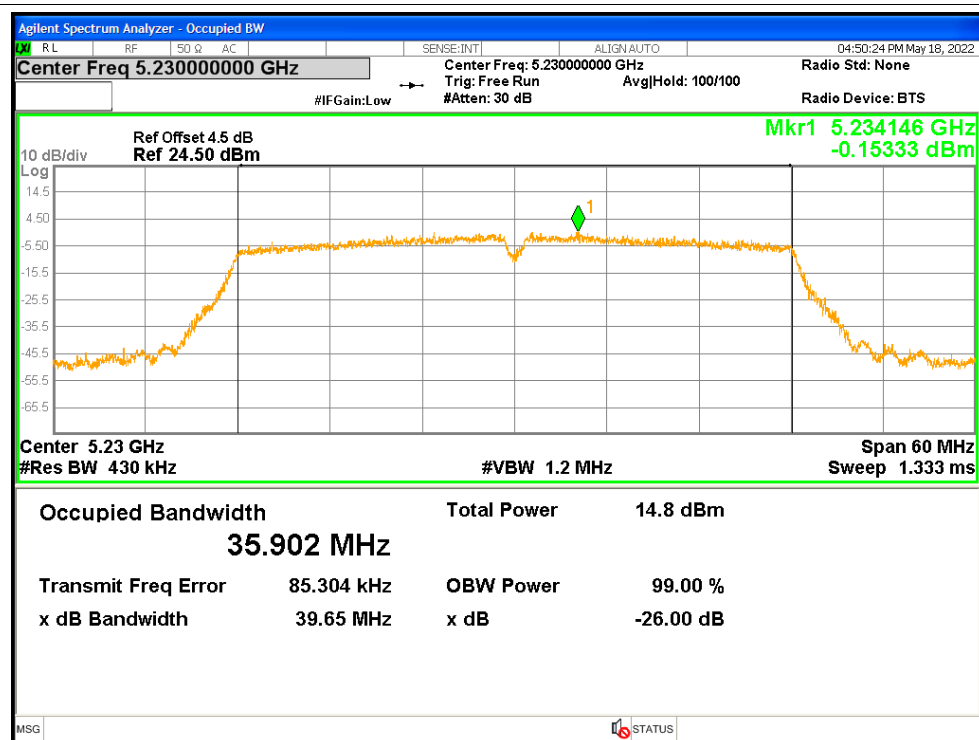
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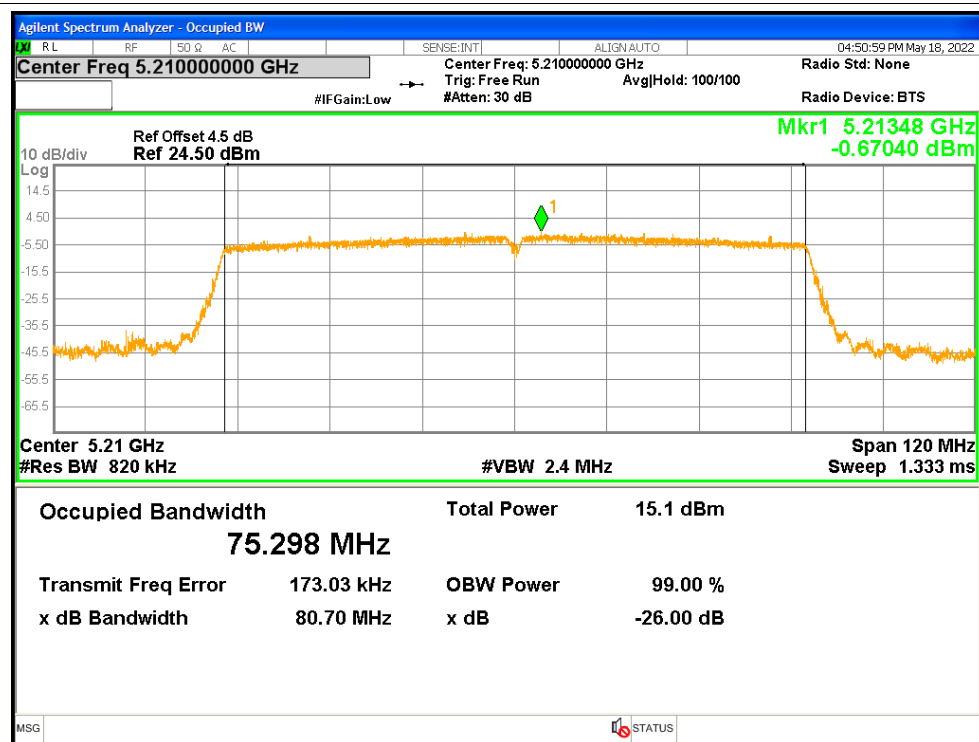
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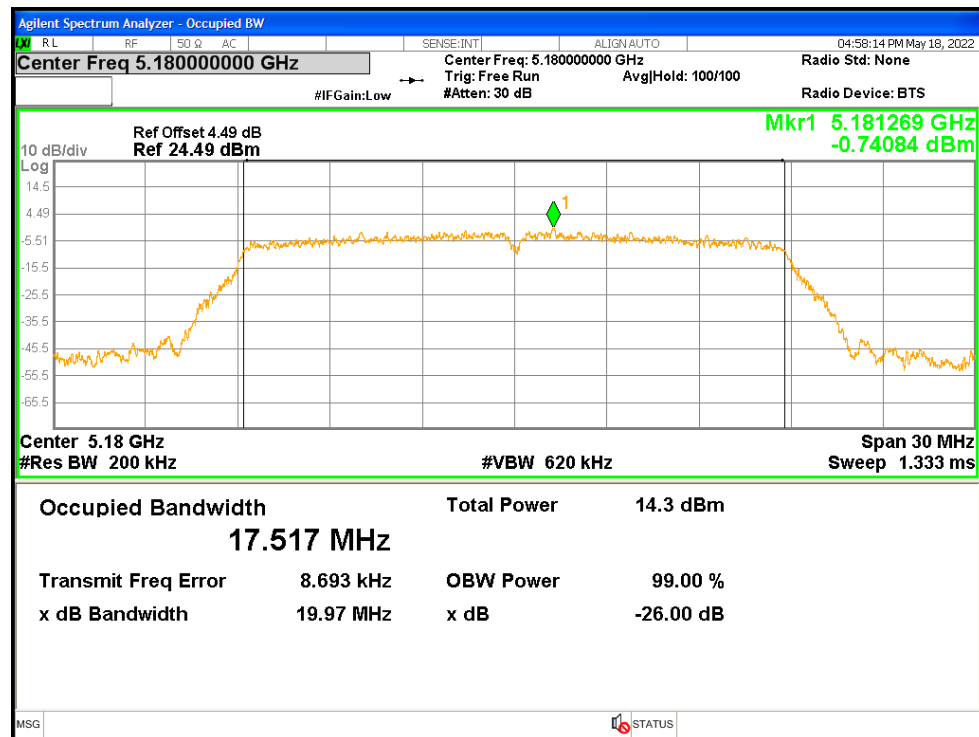
OBW NVNT ac40 5230MHz Ant1



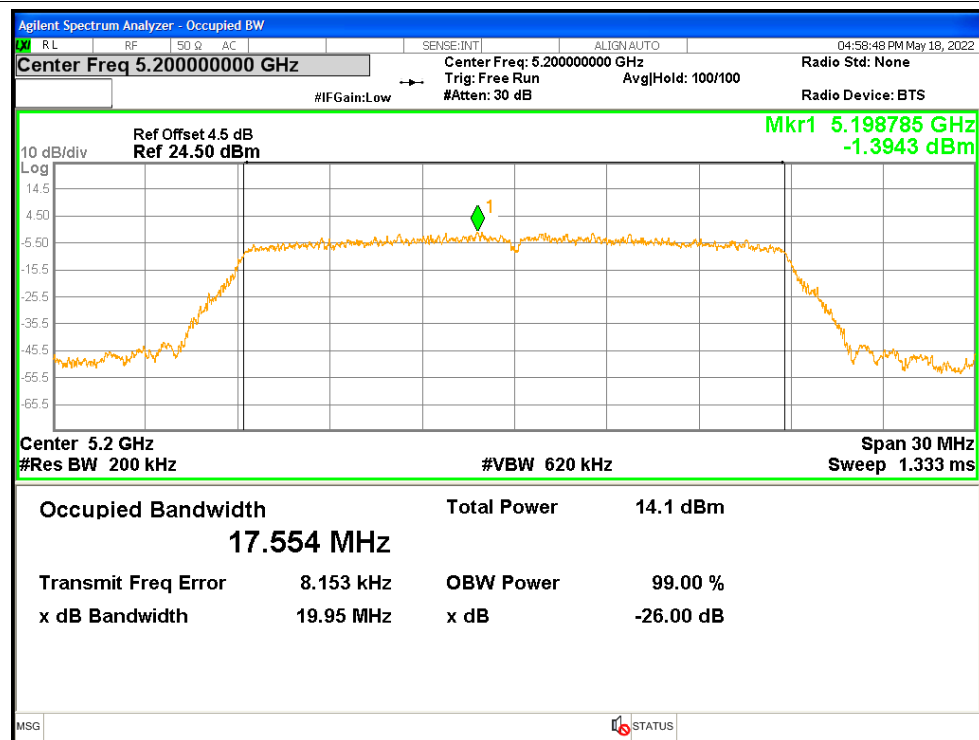
OBW NVNT ac80 5210MHz Ant1



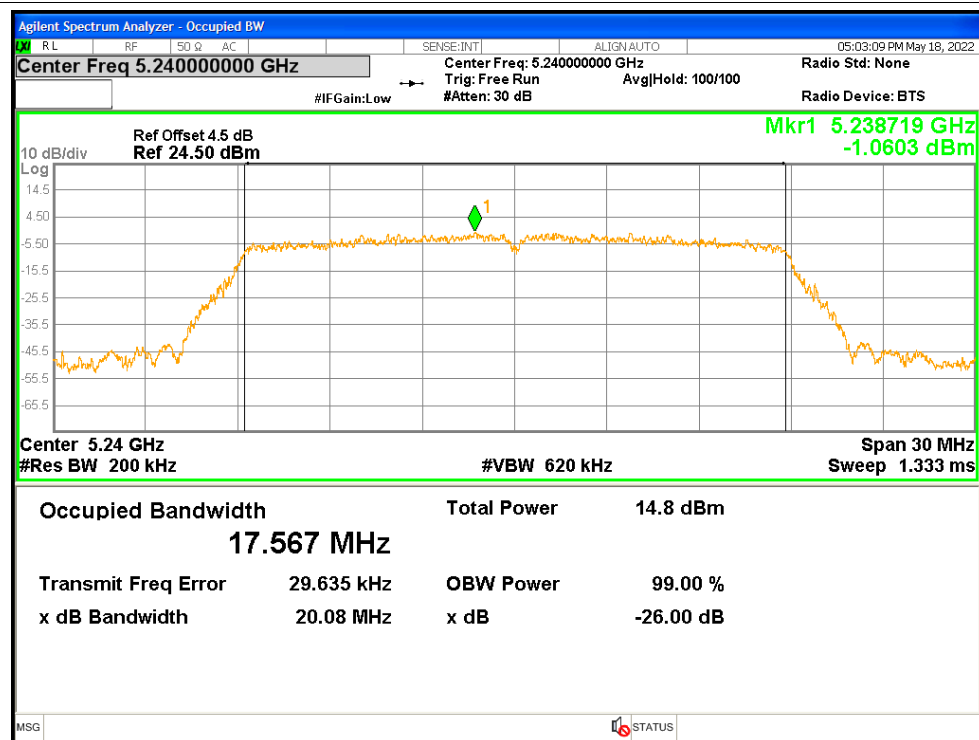
OBW NVNT ax20 5180MHz Ant1



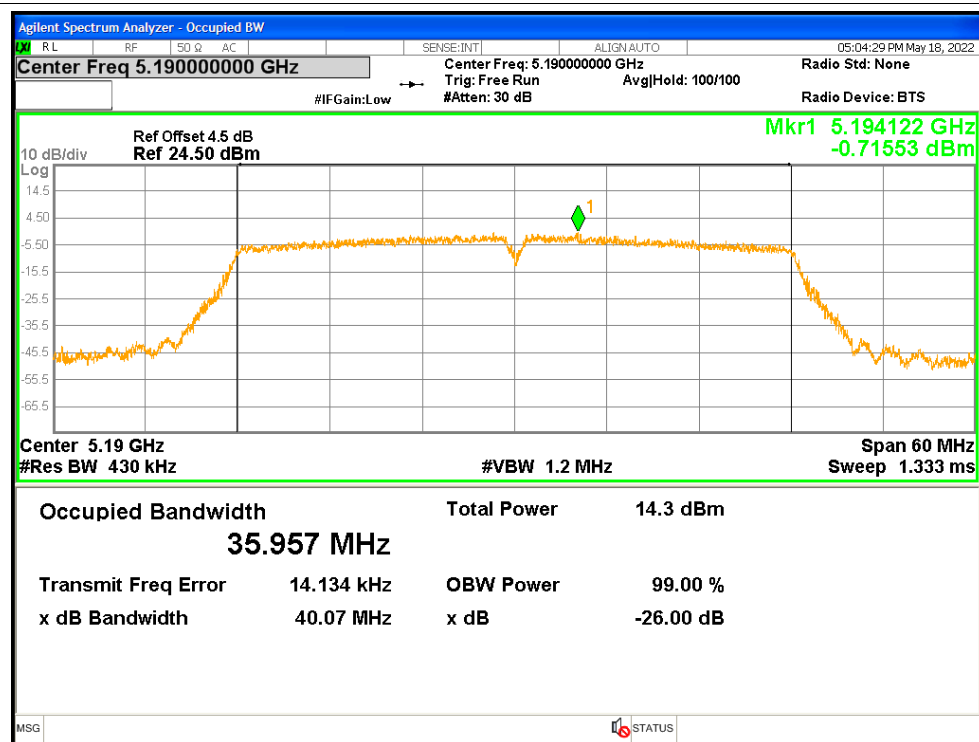
OBW NVNT ax20 5200MHz Ant1



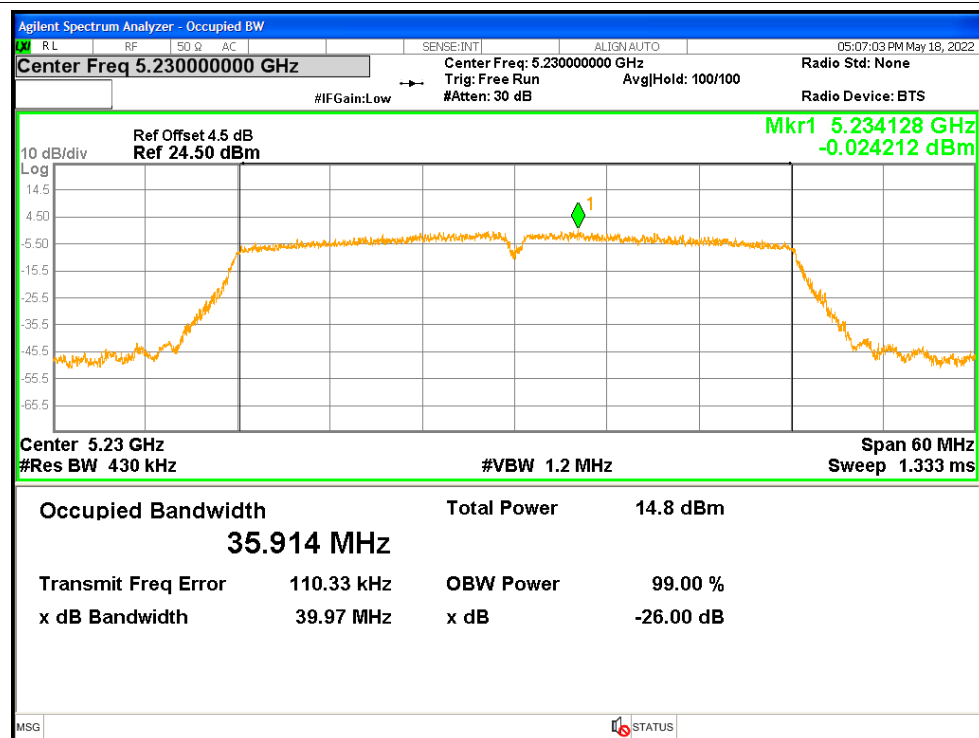
OBW NVNT ax20 5240MHz Ant1



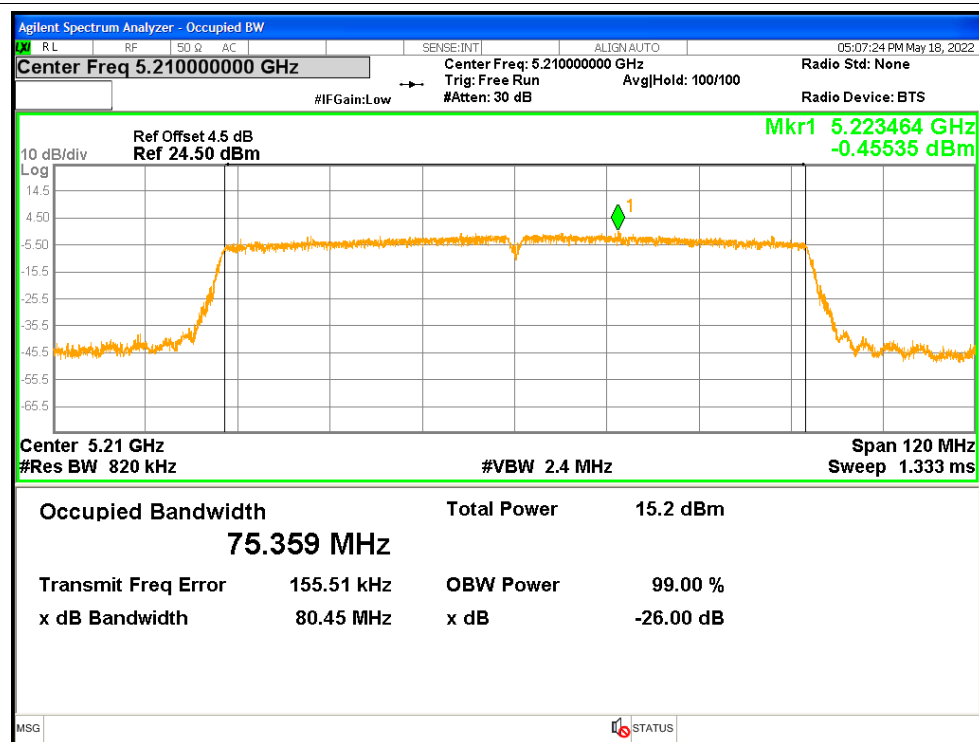
OBW NVNT ax40 5190MHz Ant1



OBW NVNT ax40 5230MHz Ant1



OBW NVNT ax80 5210MHz Ant1



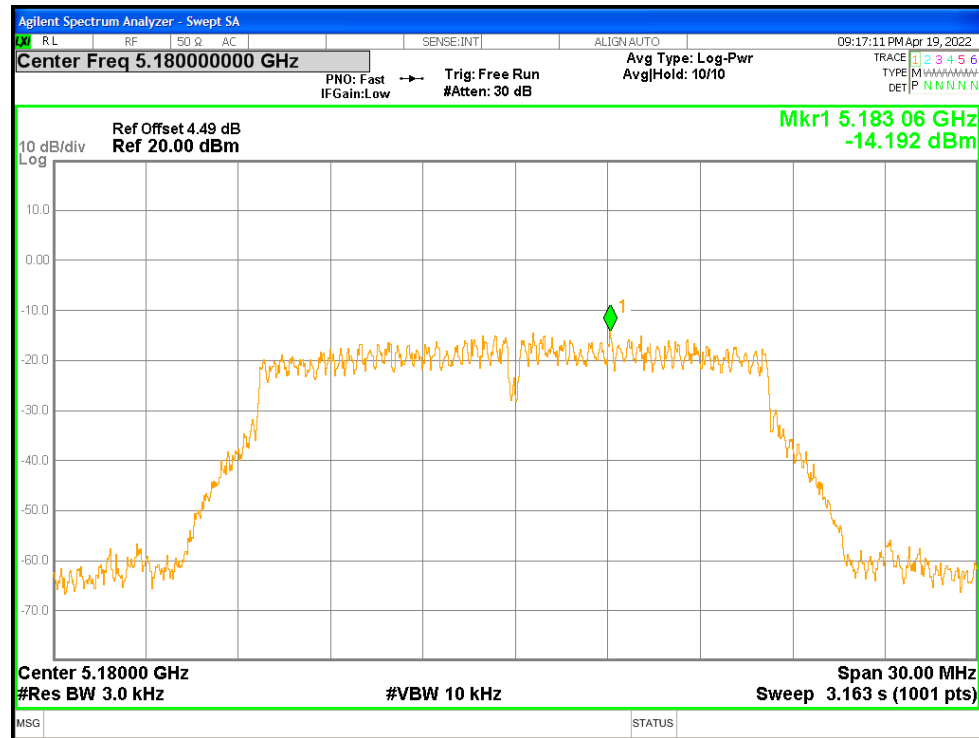
Maximum Power Spectral Density Level

Frequency	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	-14.190	-15.760	0.590	-13.600	-15.170	--	11	PASS
5200	-14.520	-14.570	0.590	-13.930	-13.980	--	11	PASS
5240	-14.280	-16.430	0.590	-13.690	-15.840	--	11	PASS
802.11n20								
5180	-15.310	-16.310	0.630	-14.680	-15.680	-12.141	8.99	PASS
5200	-13.740	-16.530	0.630	-13.110	-15.900	-11.274	8.99	PASS
5240	-15.150	-15.170	0.630	-14.520	-14.540	-11.520	8.99	PASS
802.11n40								
5190	-16.960	-17.820	1.790	-15.170	-16.030	-12.568	8.99	PASS
5230	-18.900	-19.230	1.790	-17.110	-17.440	-14.262	8.99	PASS
802.11ac20								
5180	-15.380	-16.090	1.120	-14.260	-14.970	-11.590	8.99	PASS
5200	-15.060	-15.600	1.120	-13.940	-14.480	-11.191	8.99	PASS
5240	-16.020	-17.670	1.120	-14.900	-16.550	-12.637	8.99	PASS
802.11ac40								
5190	-18.540	-19.820	1.930	-16.610	-17.890	-14.193	8.99	PASS
5230	-18.800	-20.330	1.930	-16.870	-18.400	-14.558	8.99	PASS
802.11ac80								
5210	-21.490	-24.310	4.170	-17.320	-20.140	-15.495	8.99	PASS
802.11ax20								
5180	-16.720	-17.810	1.330	-15.390	-16.480	-12.891	8.99	PASS
5200	-14.890	-17.180	1.330	-13.560	-15.850	-11.545	8.99	PASS
5240	-16.770	-18.430	1.330	-15.440	-17.100	-13.181	8.99	PASS
802.11ax40								
5190	-18.920	-20.680	2.080	-16.840	-18.600	-14.621	8.99	PASS
5230	-18.980	-20.760	2.080	-16.900	-18.680	-14.689	8.99	PASS
802.11ax80								
5210	-22.150	-24.360	3.040	-19.110	-21.320	-17.066	8.99	PASS

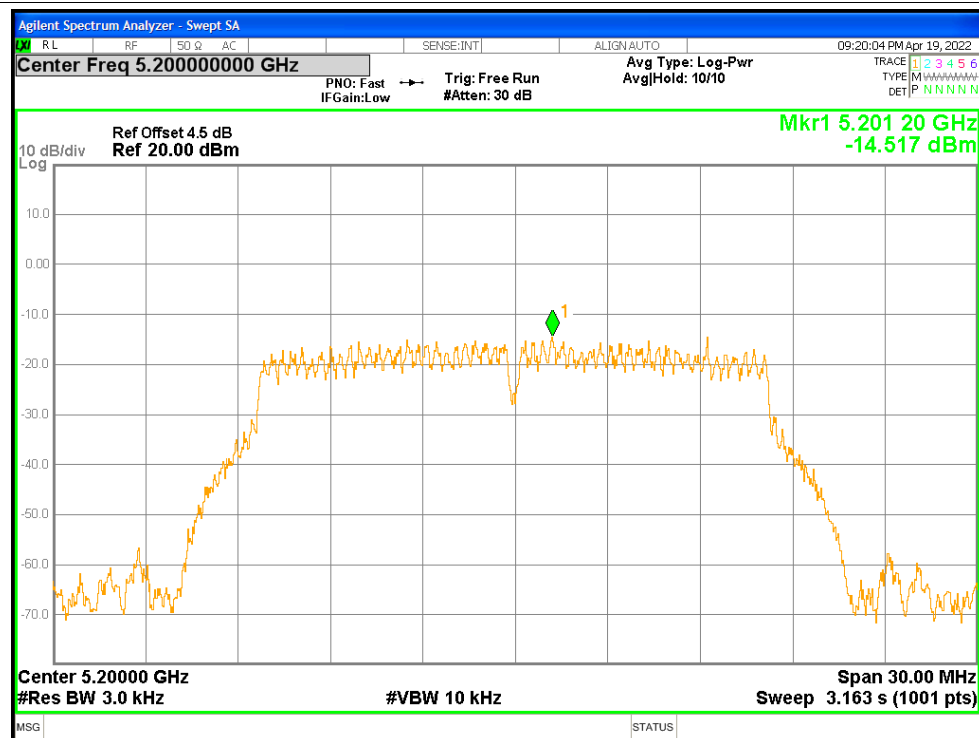
ANT A

Test Graphs

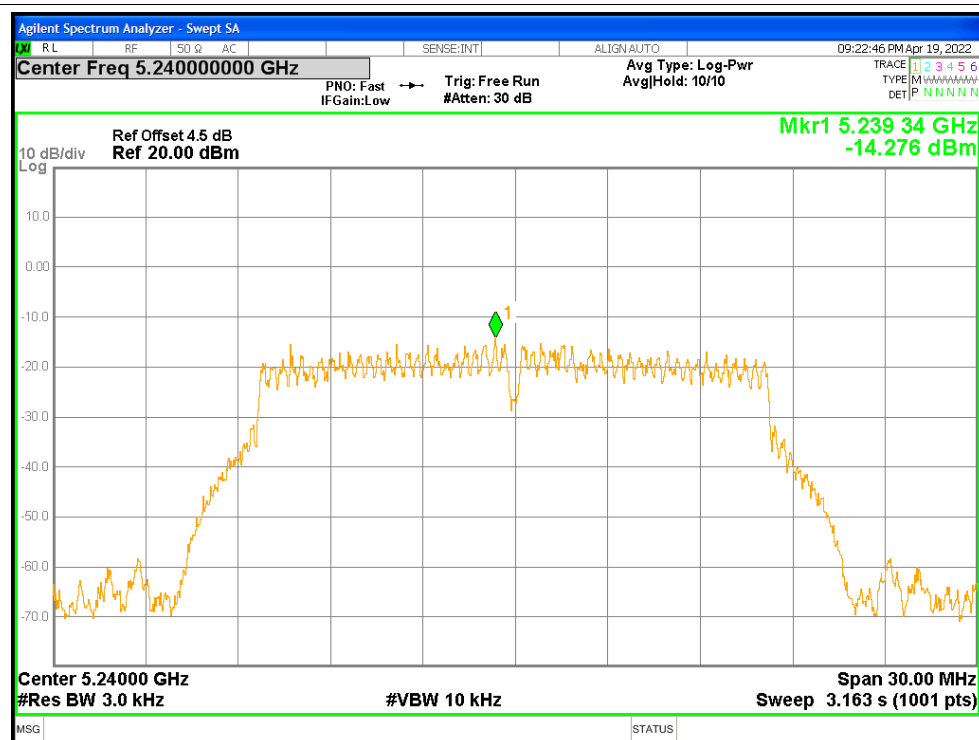
PSD NVNT a 5180MHz



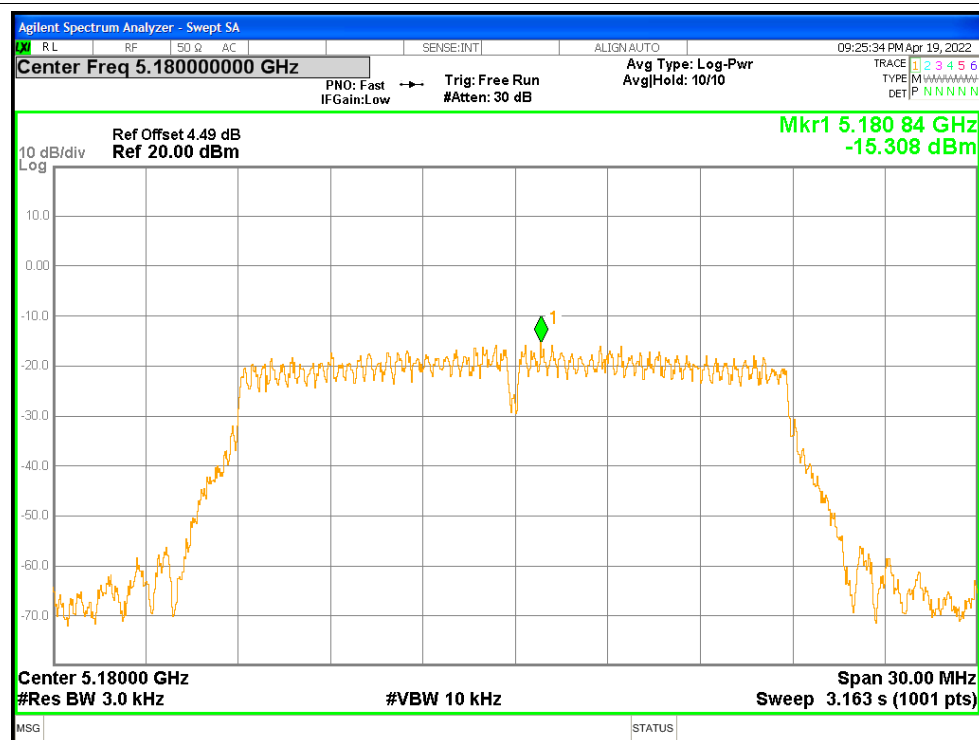
PSD NVNT a 5200MHz



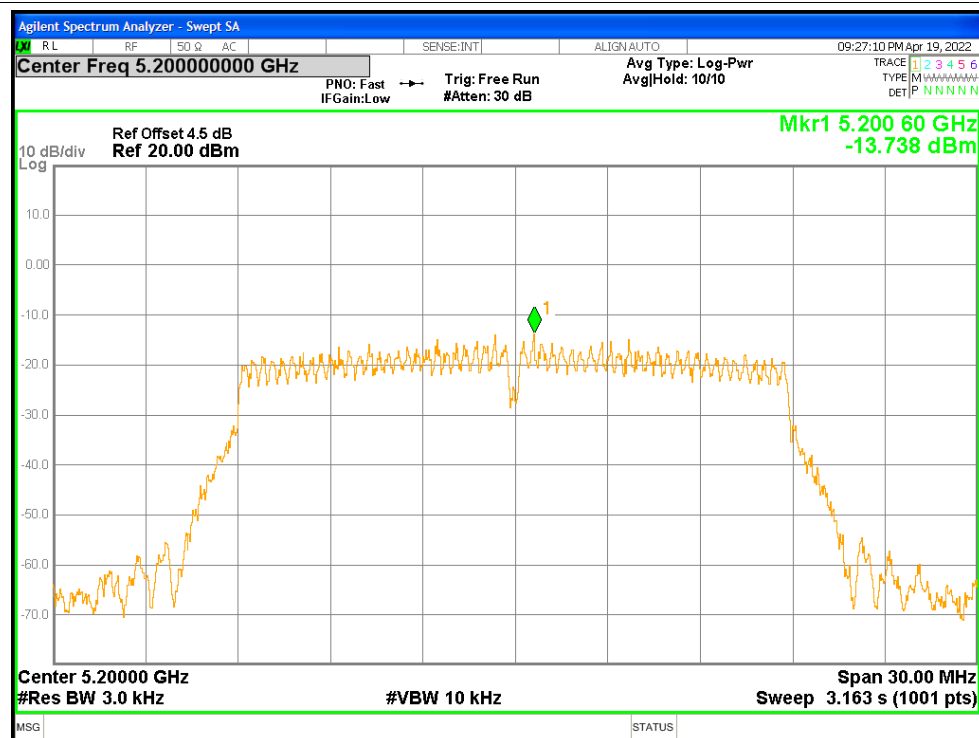
PSD NVNT a 5240MHz



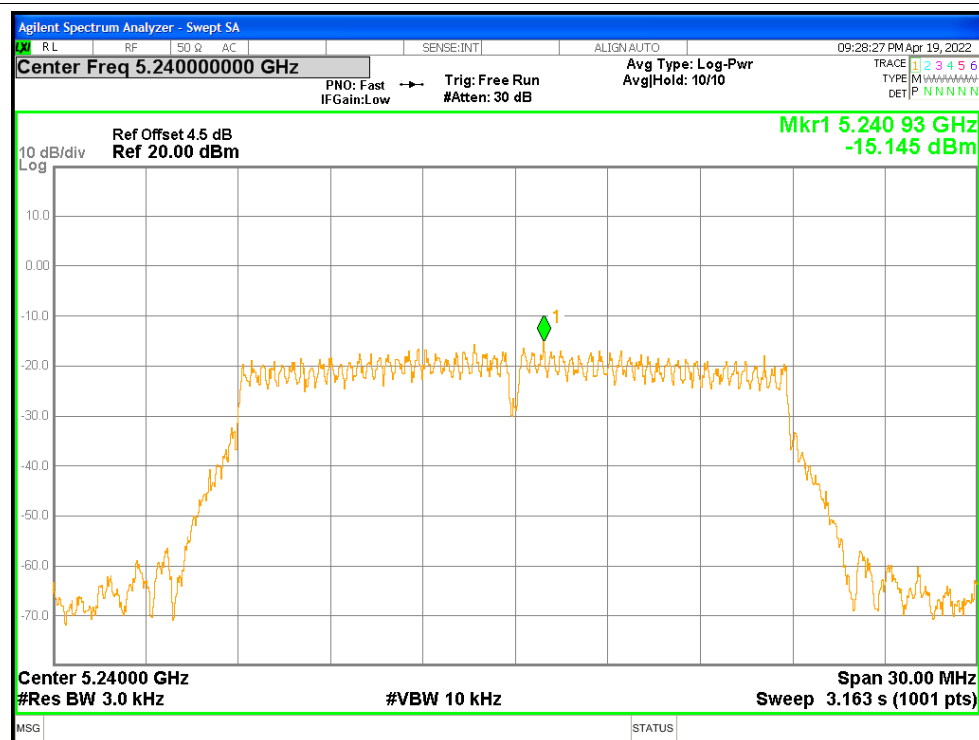
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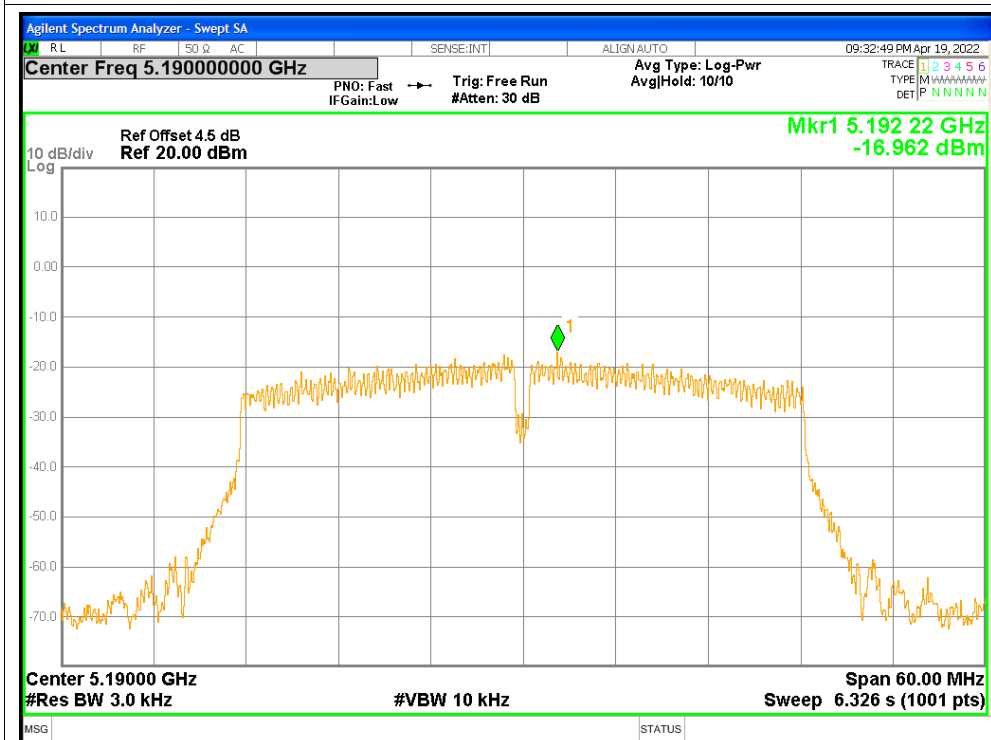
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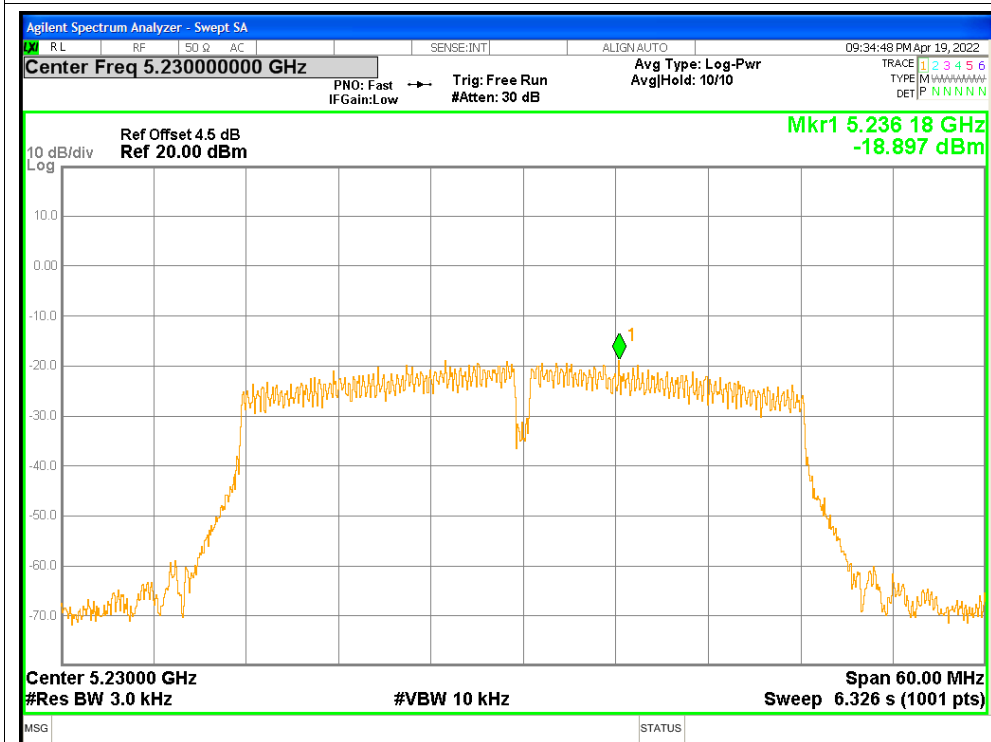
PSD NVNT n20 5240MHz



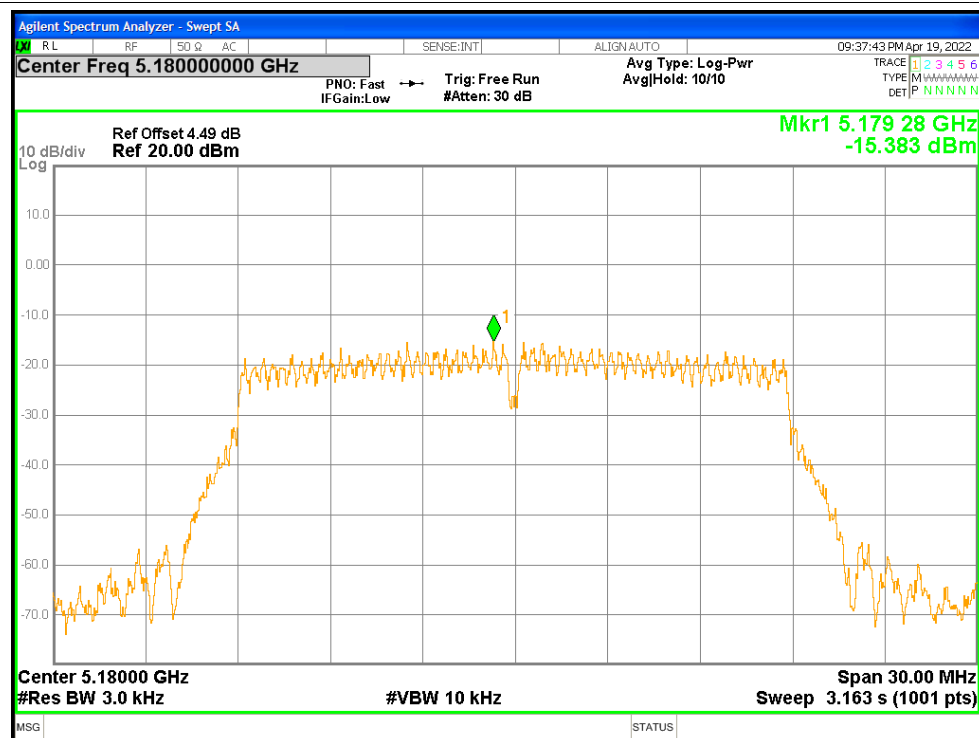
PSD NVNT n40 5190MHz



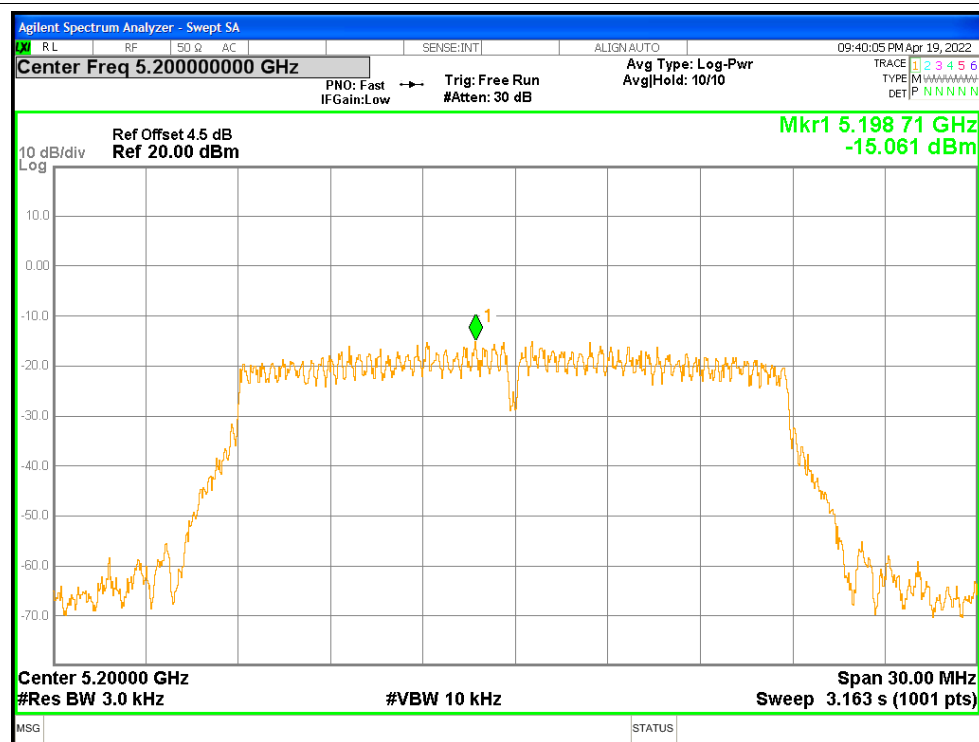
PSD NVNT n40 5230MHz



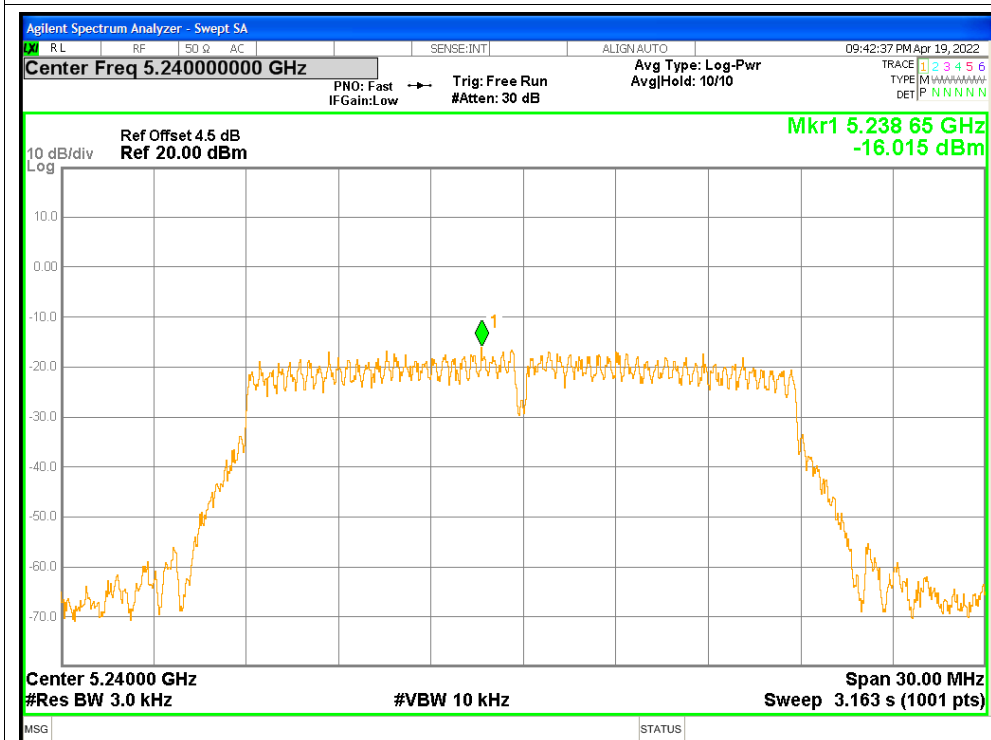
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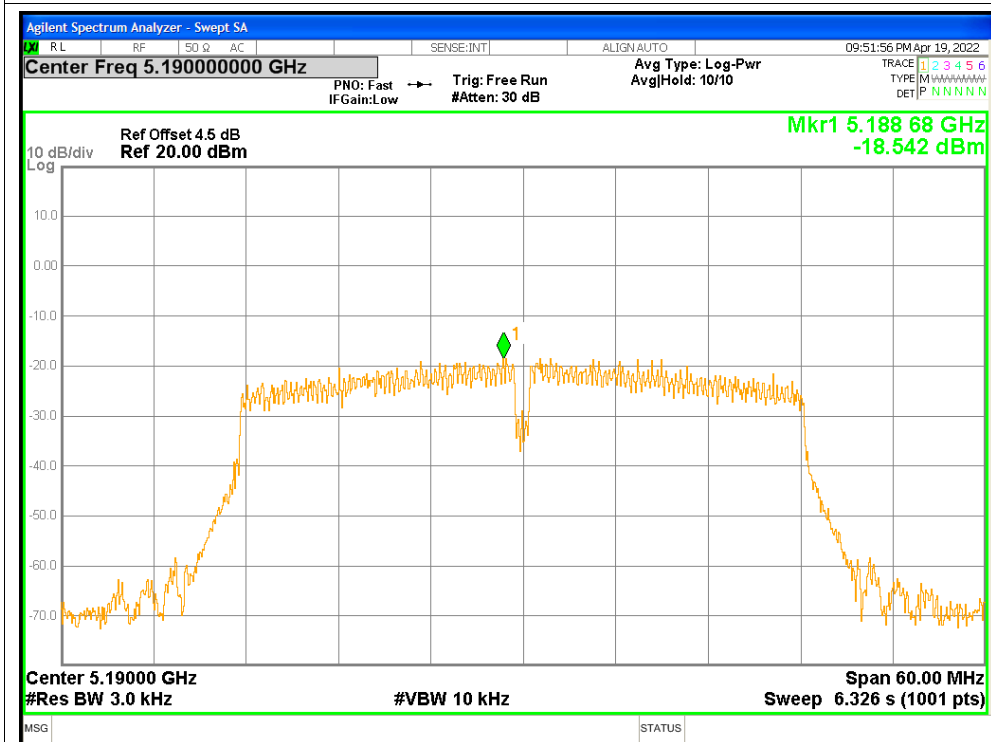
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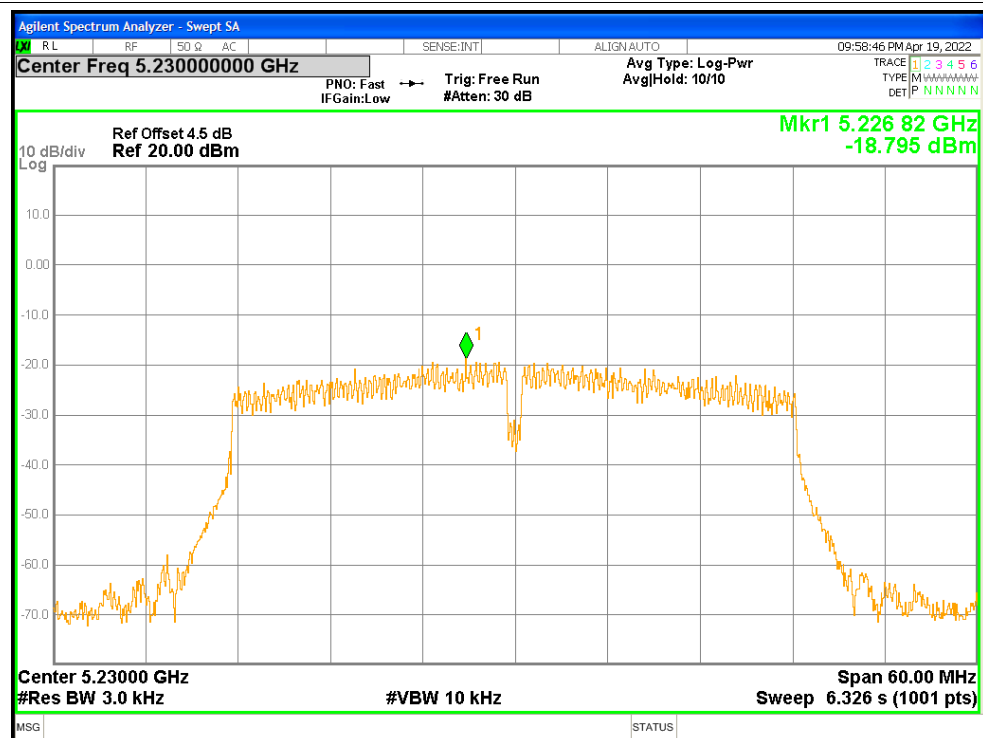
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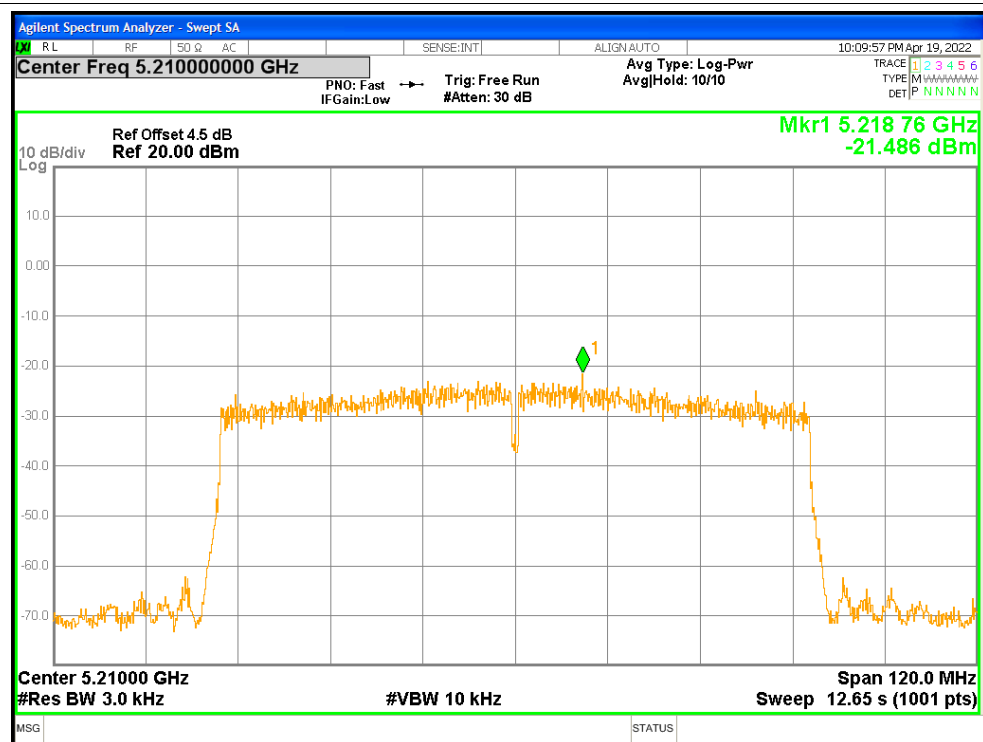
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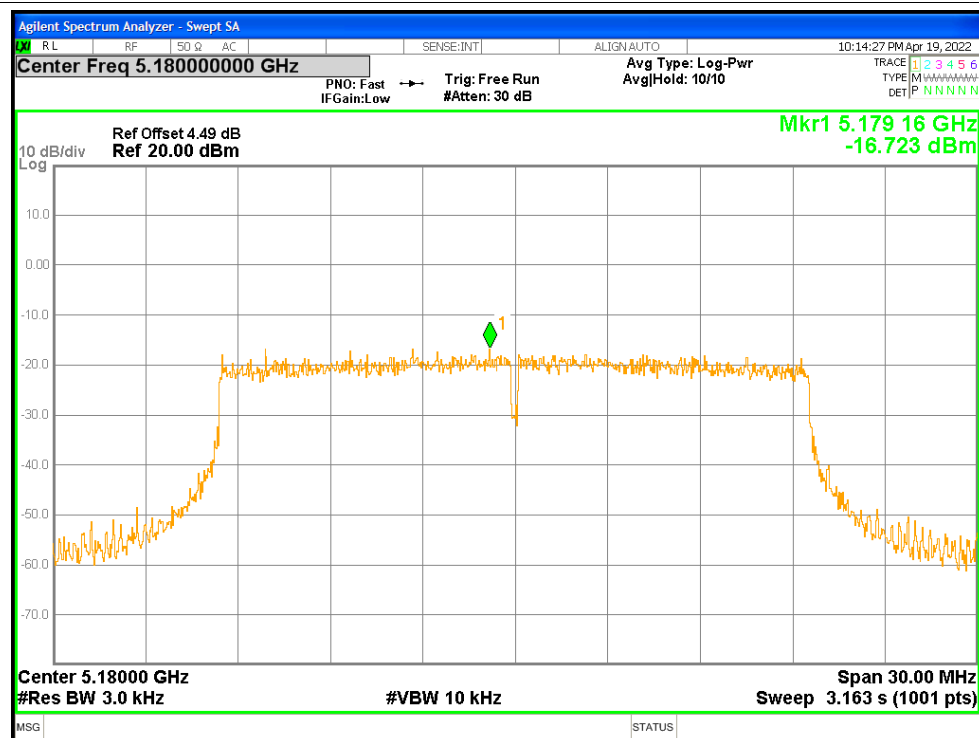
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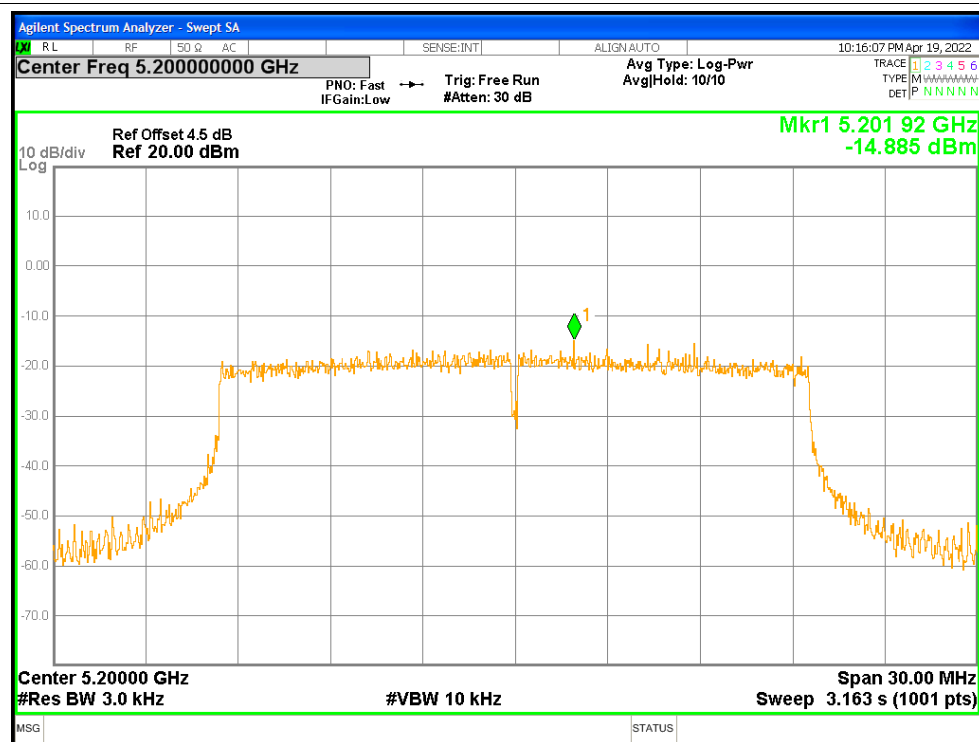
PSD NVNT ac80 5210MHz



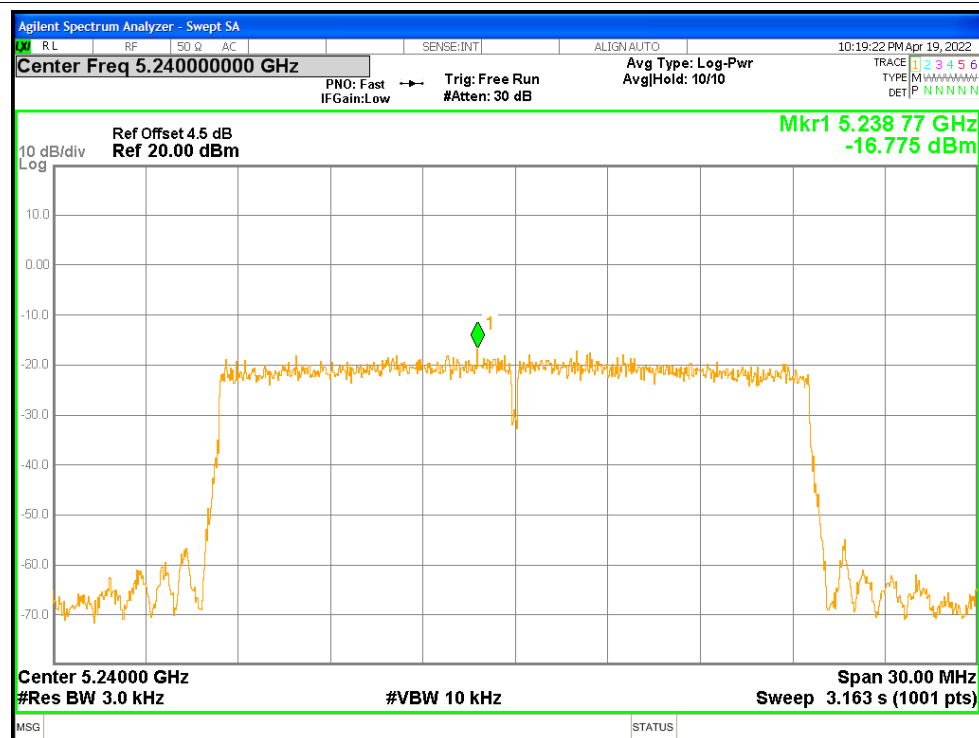
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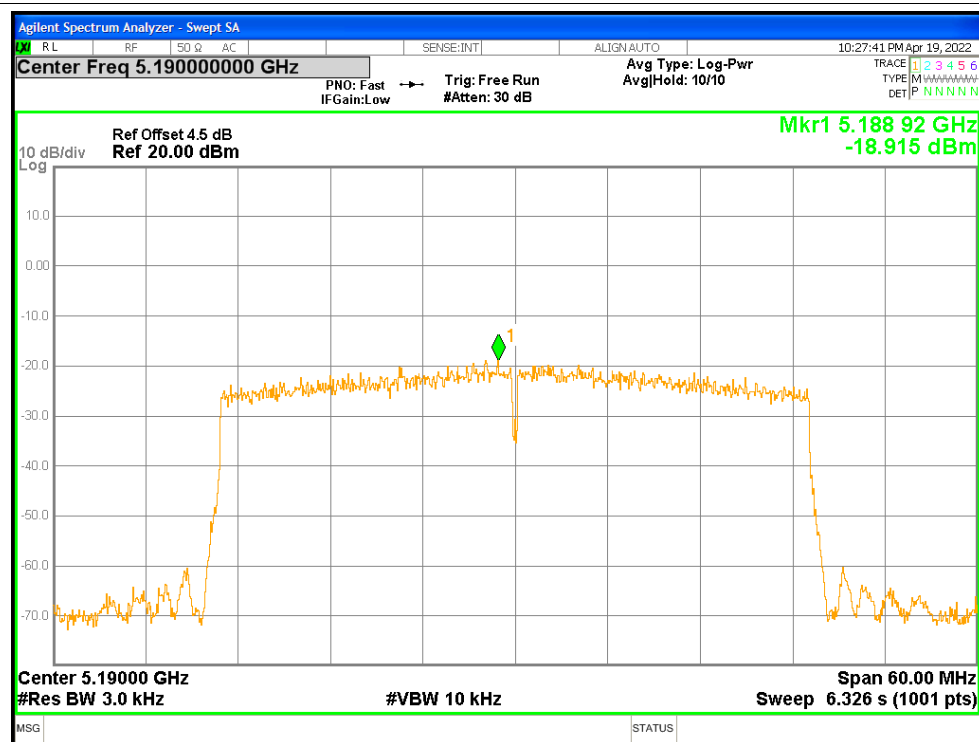
PSD NVNT ax20 5200MHz



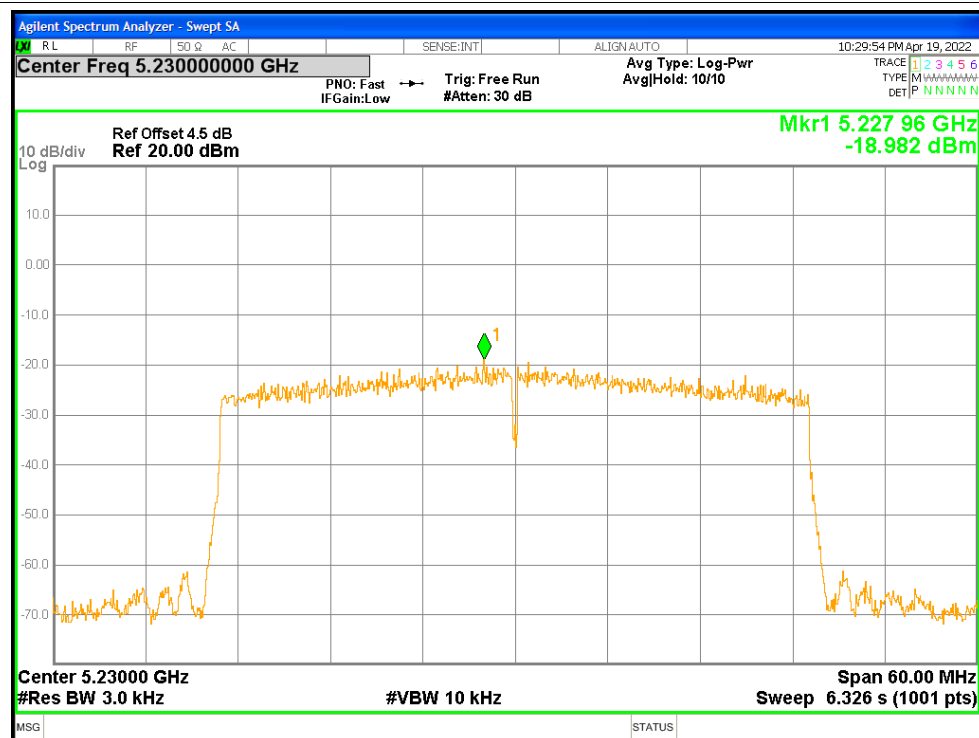
PSD NVNT ax20 5240MHz



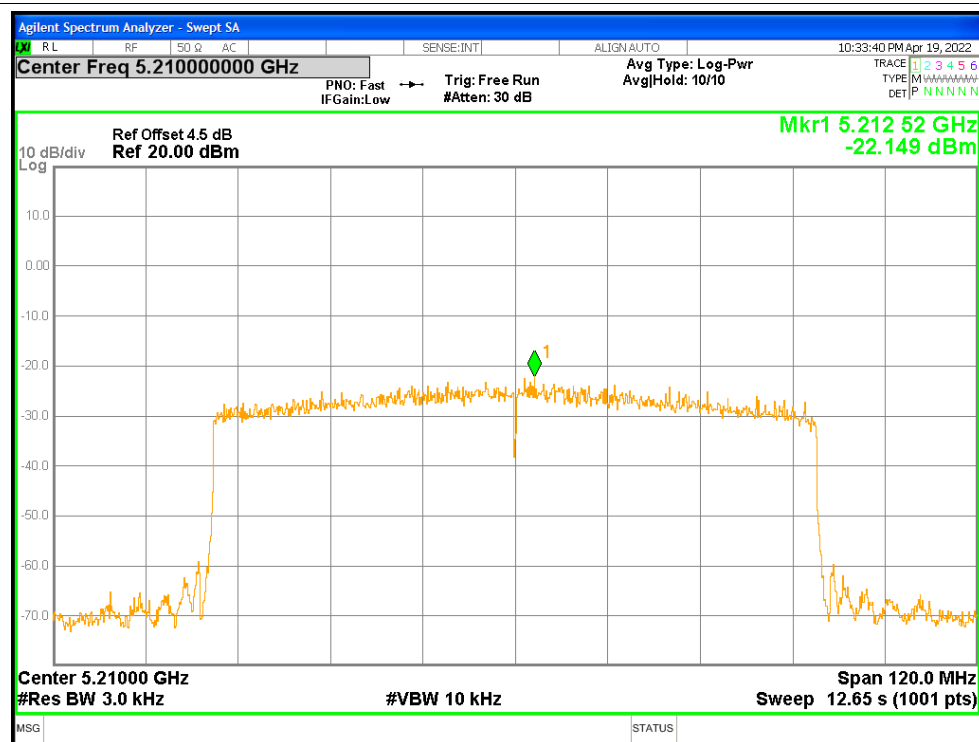
PSD NVNT ax40 5190MHz



PSD NVNT ax40 5230MHz



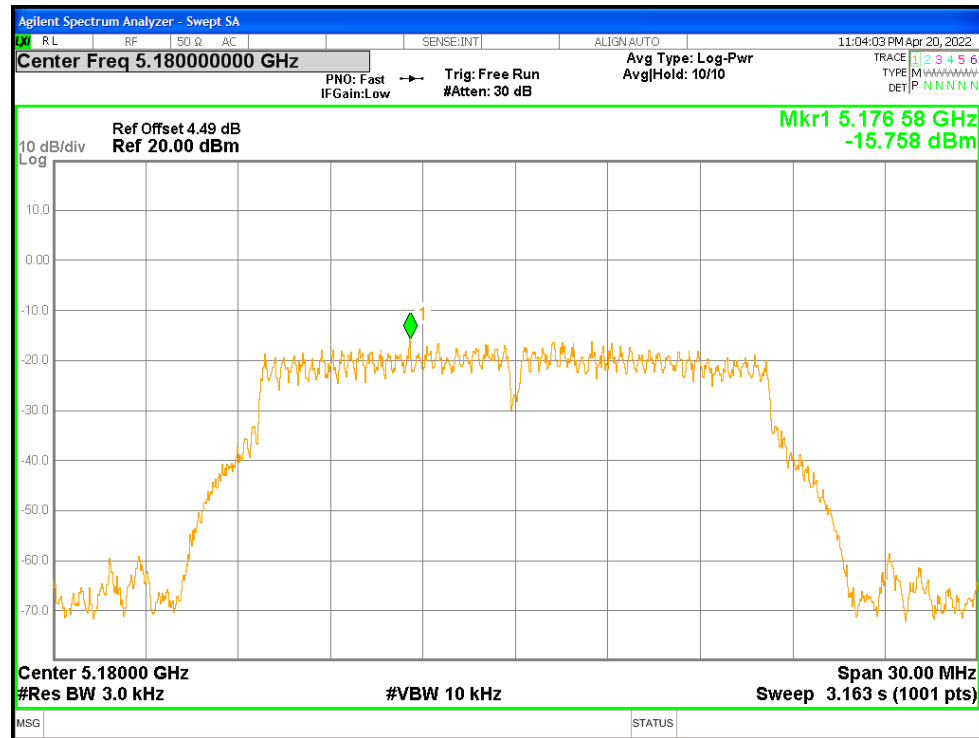
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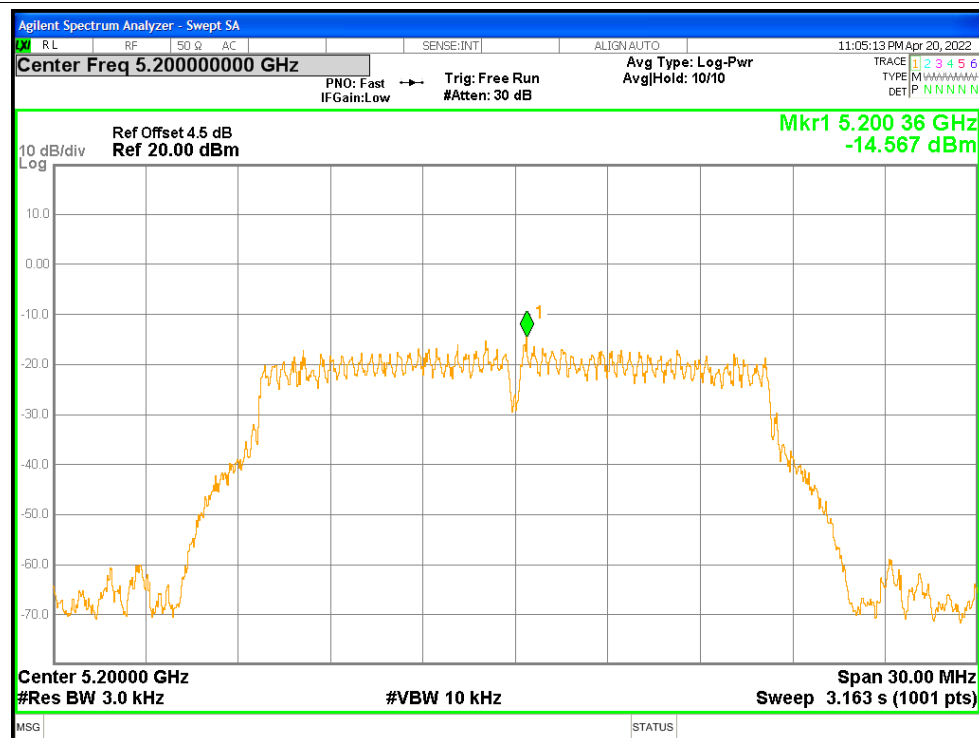
ANT B

Test Graphs

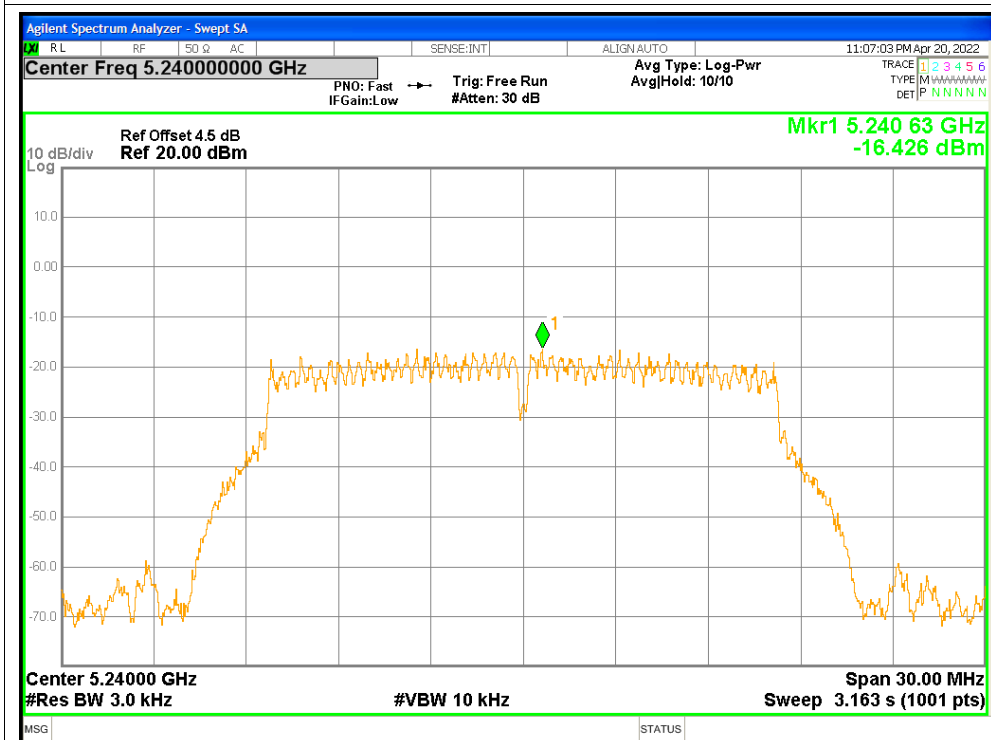
PSD NVNT a 5180MHz



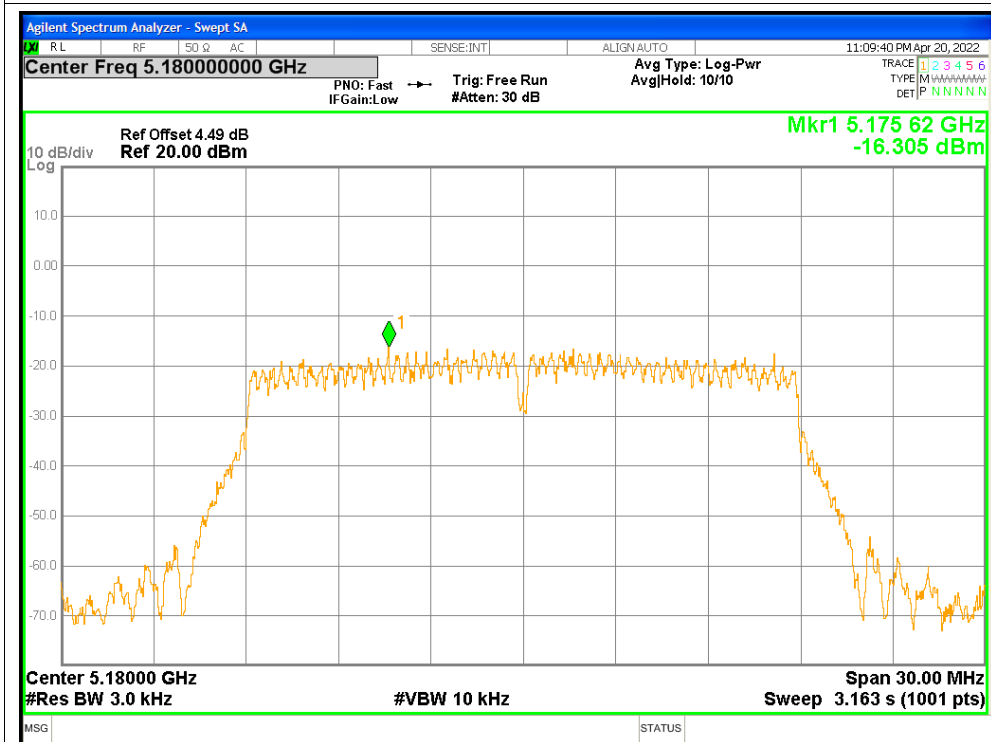
PSD NVNT a 5200MHz



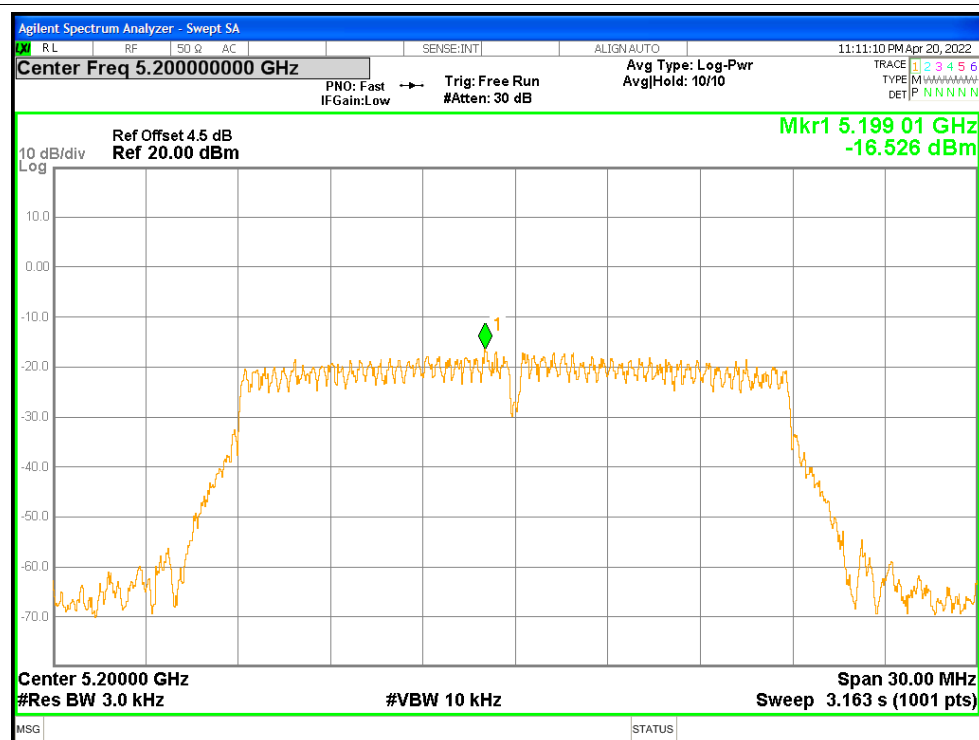
PSD NVNT a 5240MHz



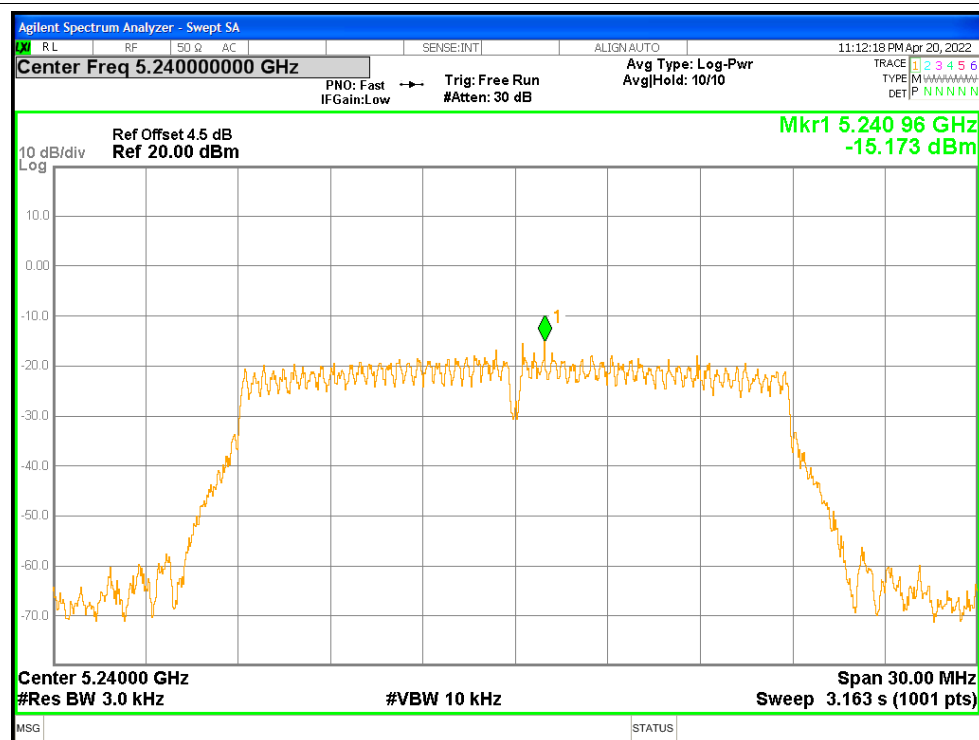
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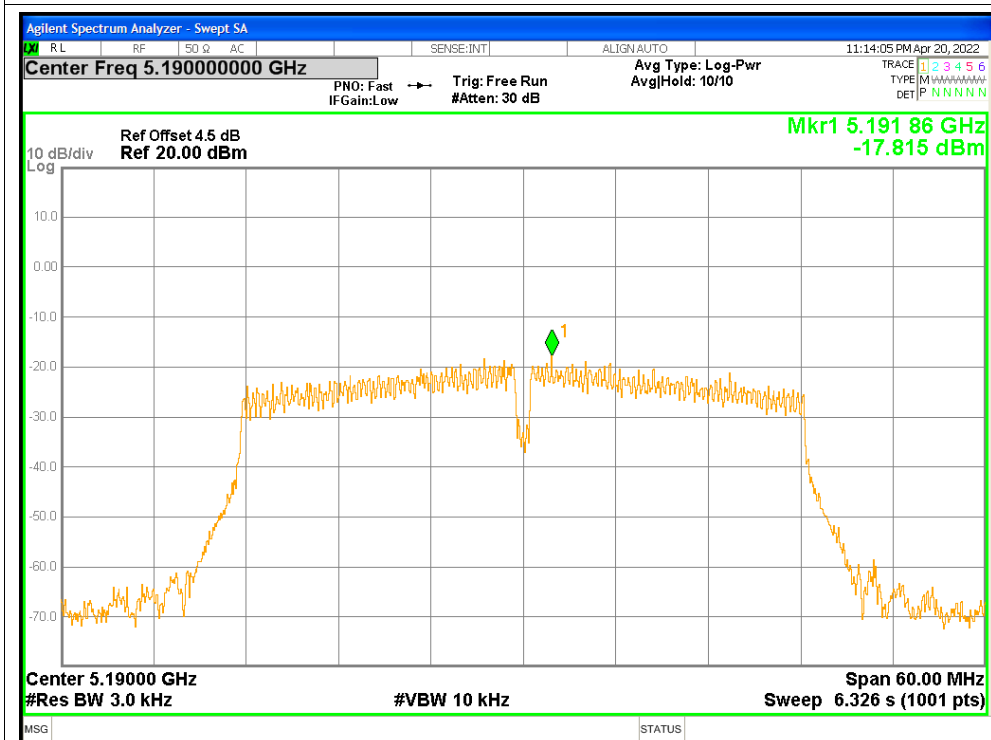
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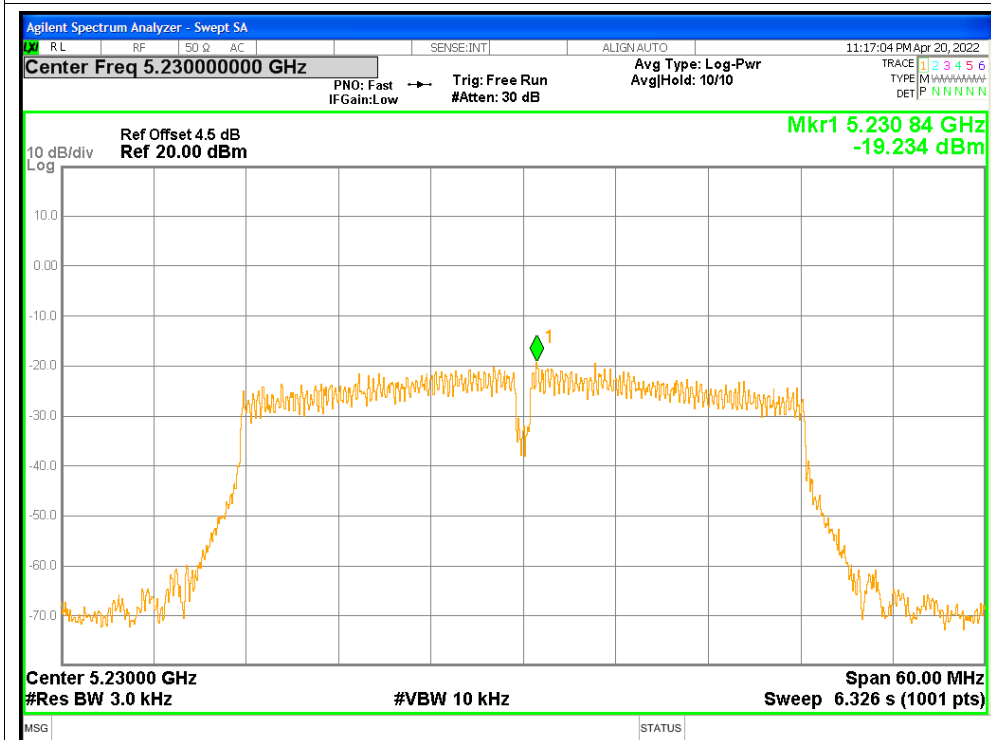
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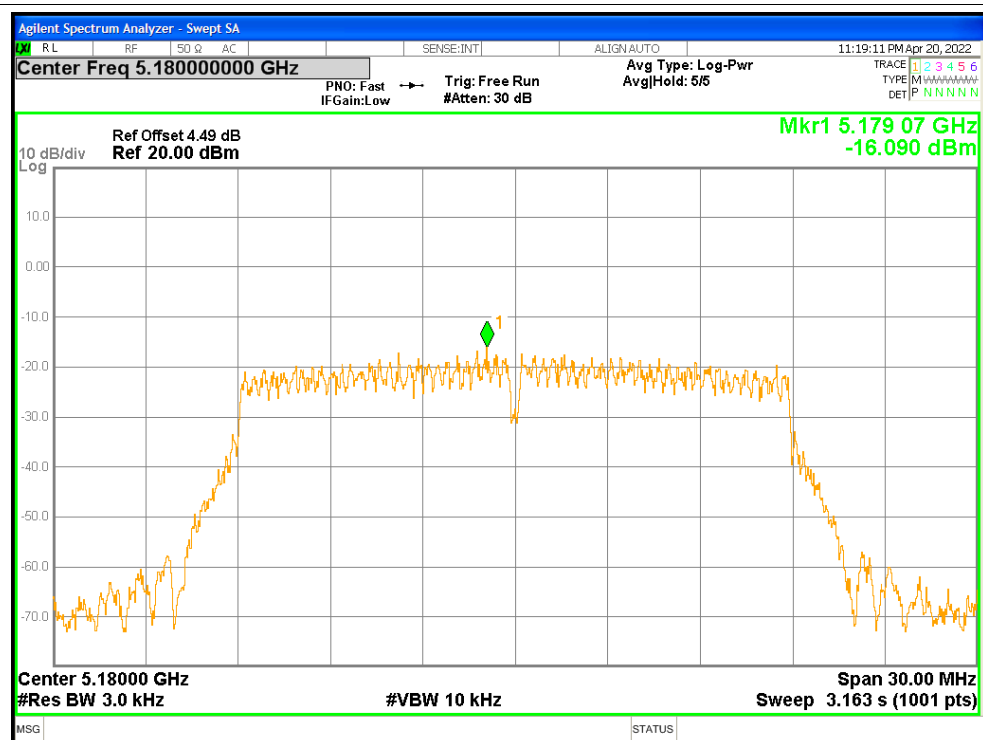
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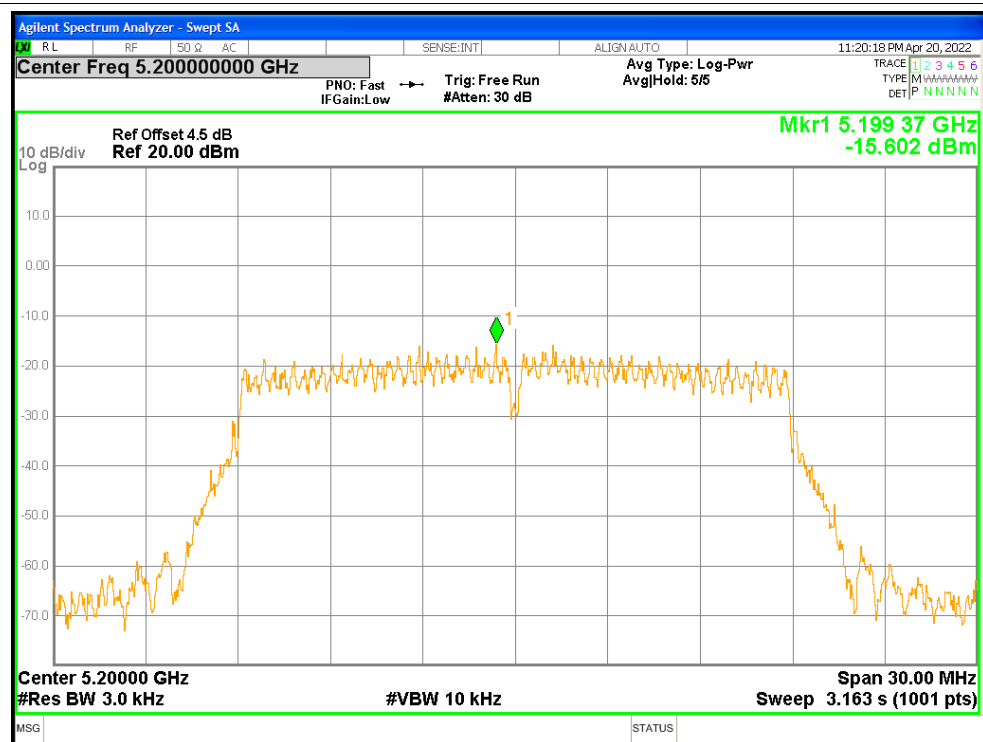
PSD NVNT n40 5230MHz



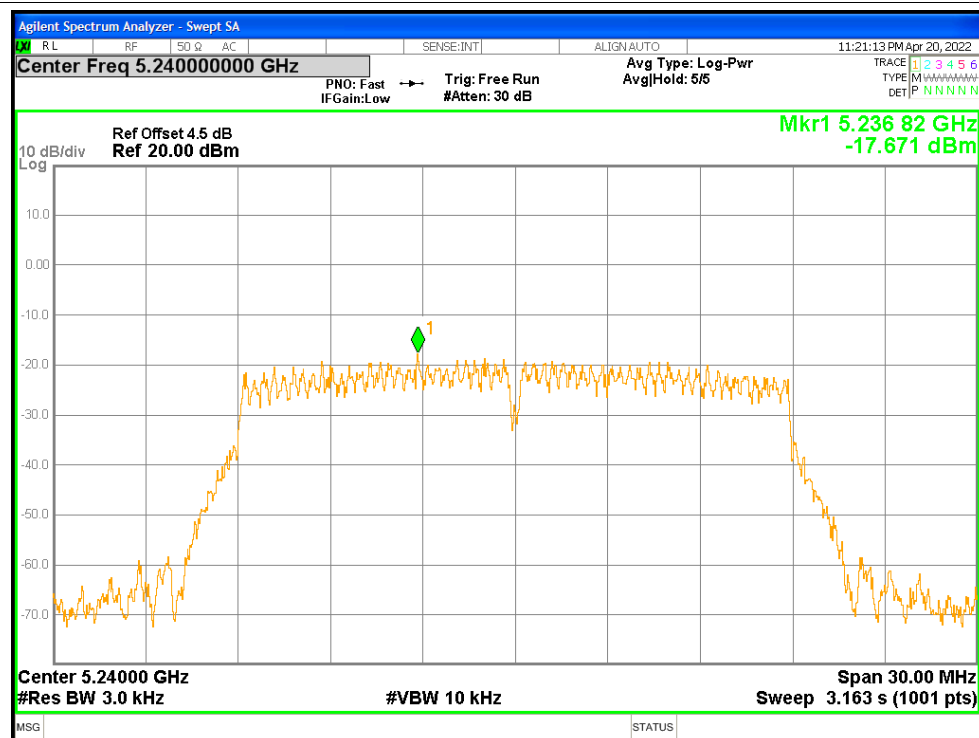
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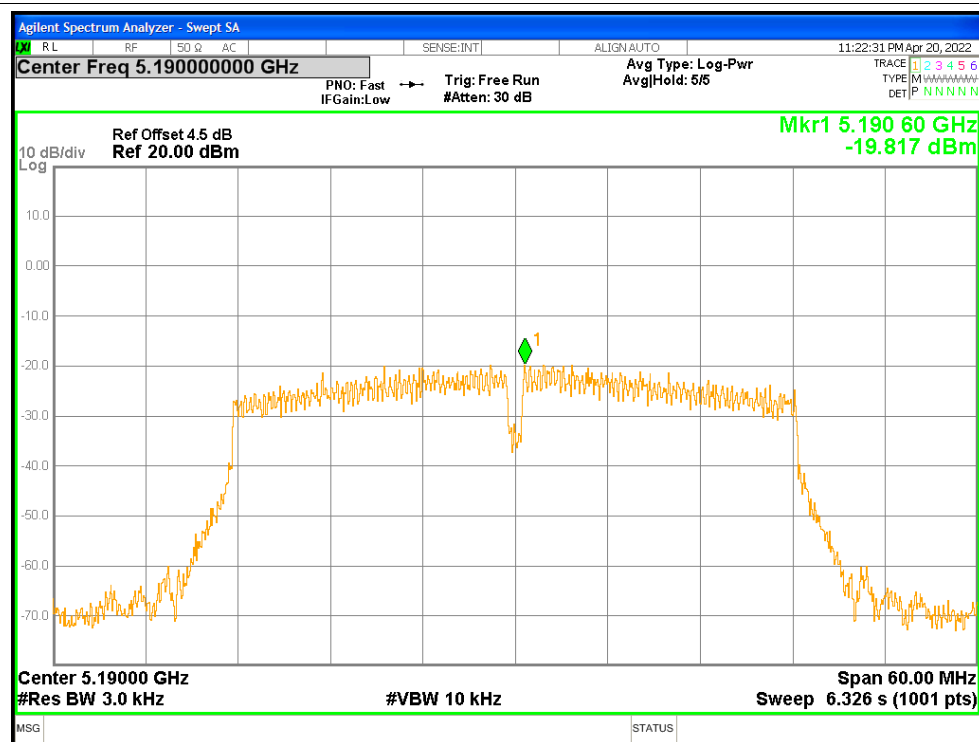
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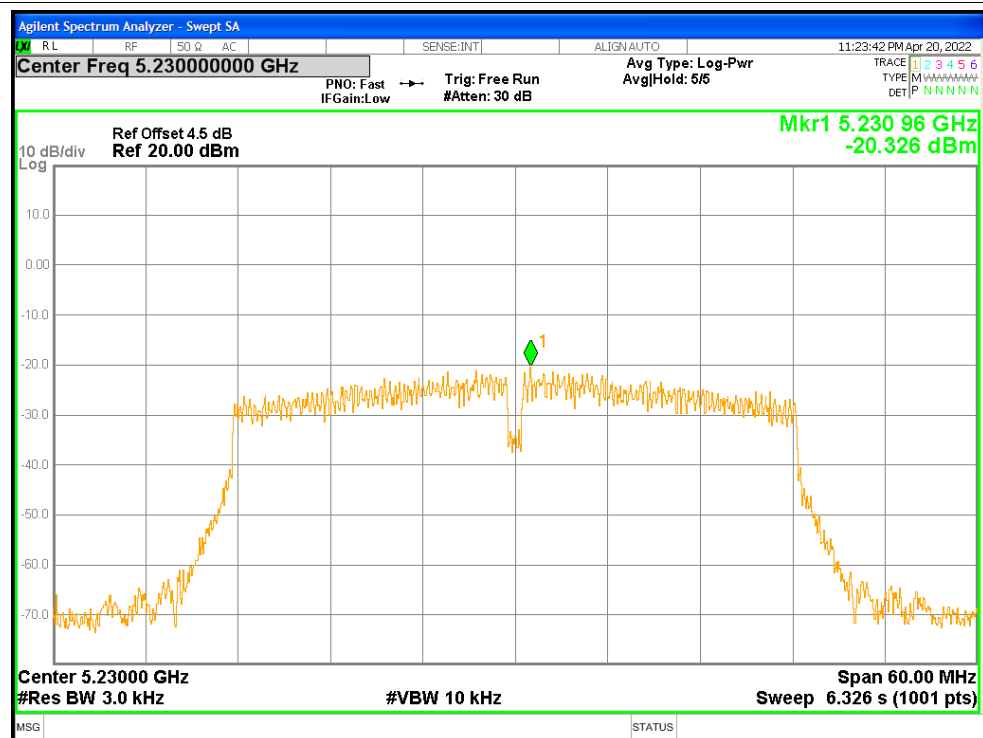
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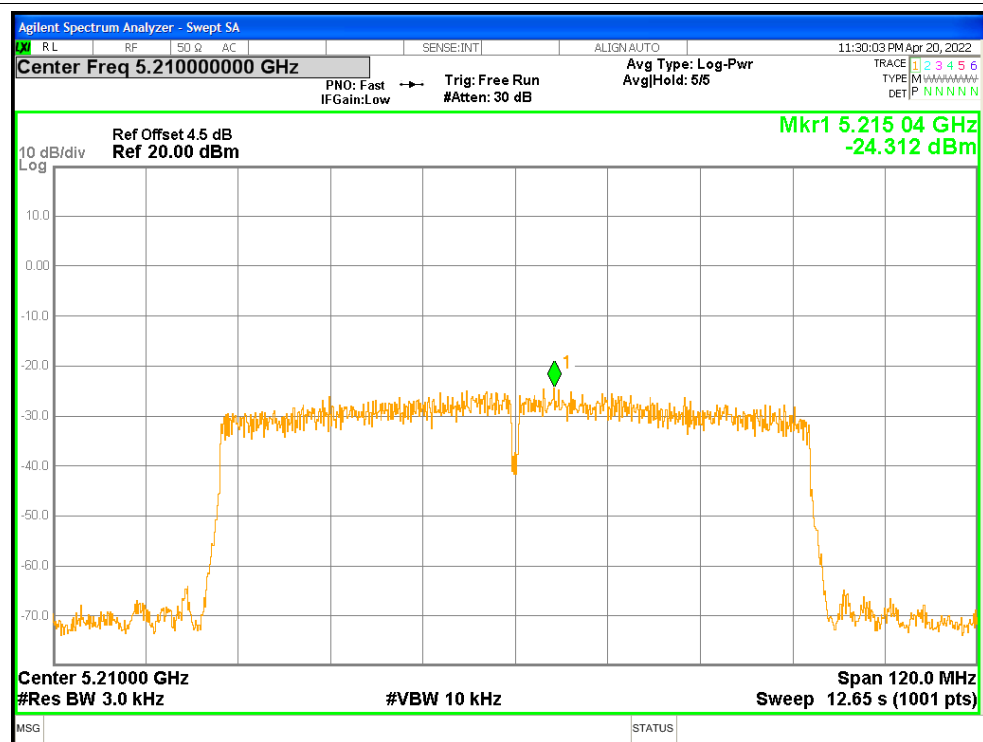
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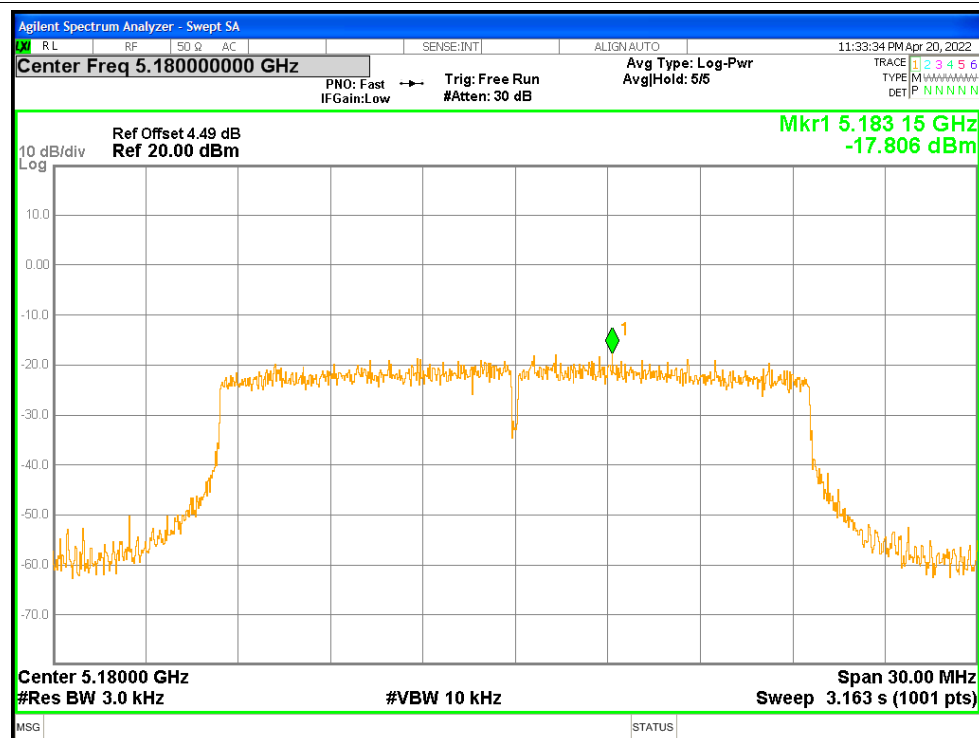
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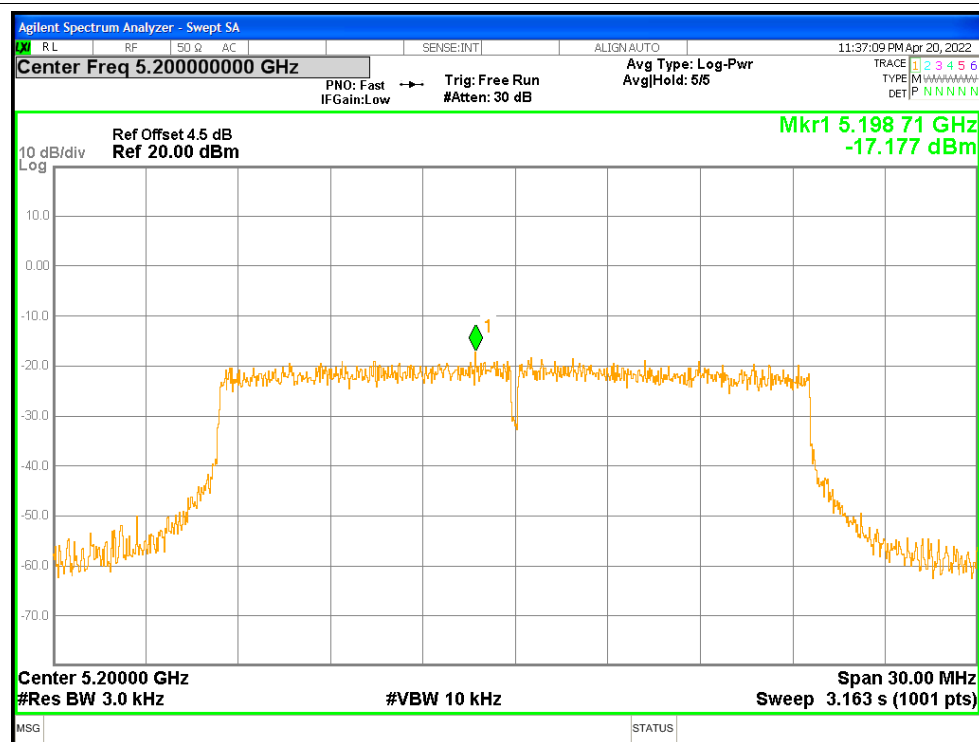
PSD NVNT ac80 5210MHz



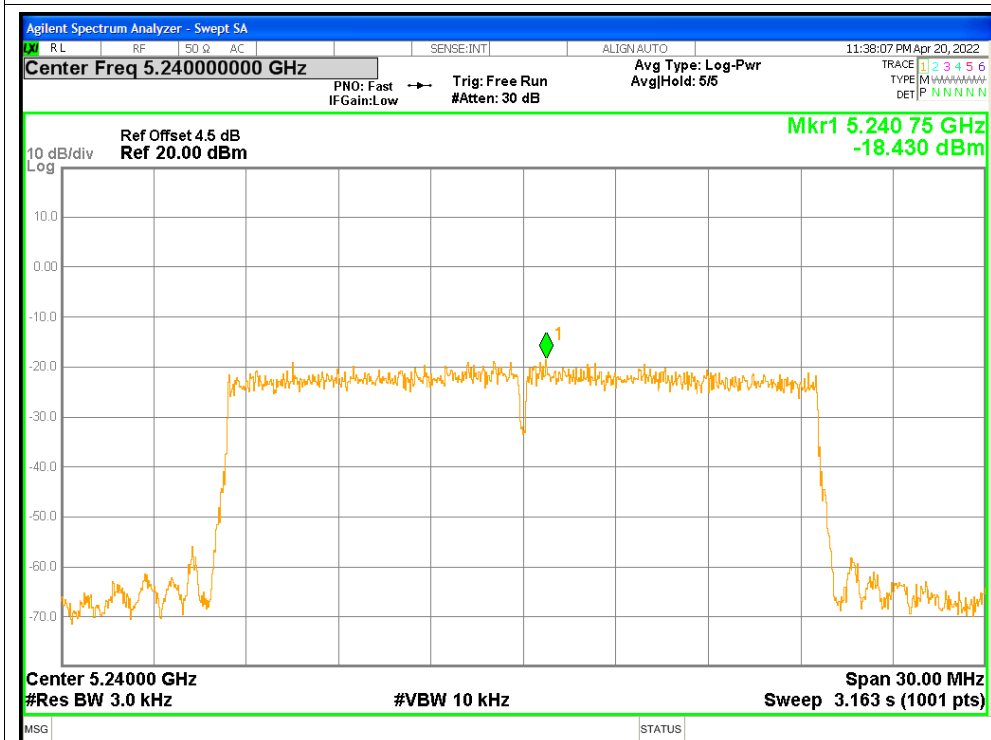
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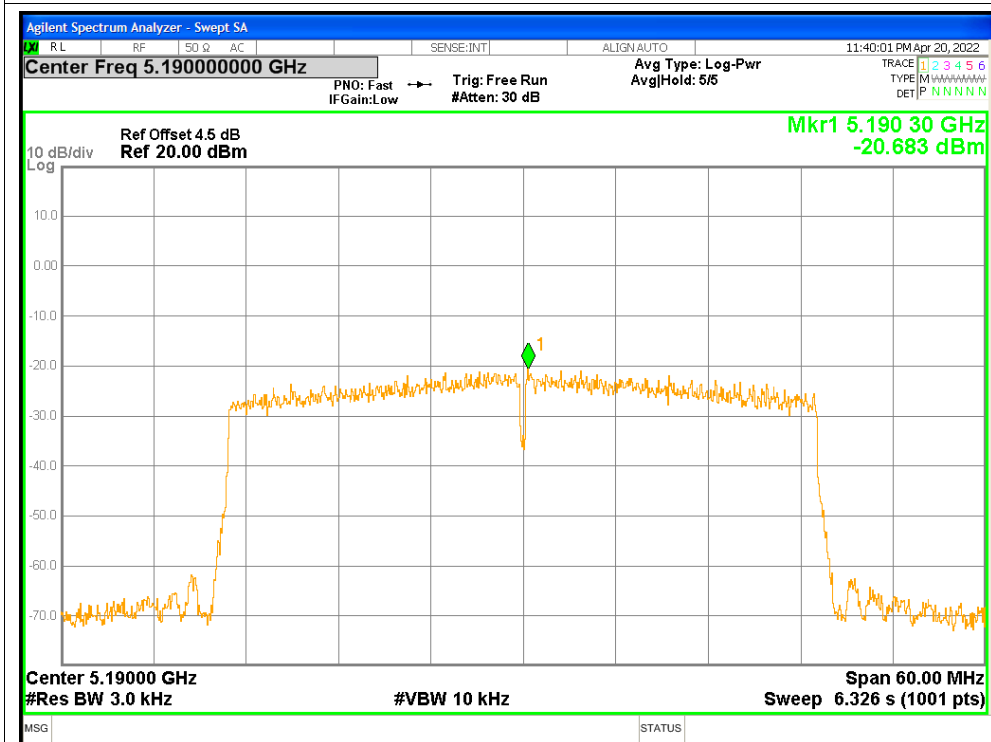
PSD NVNT ax20 5200MHz



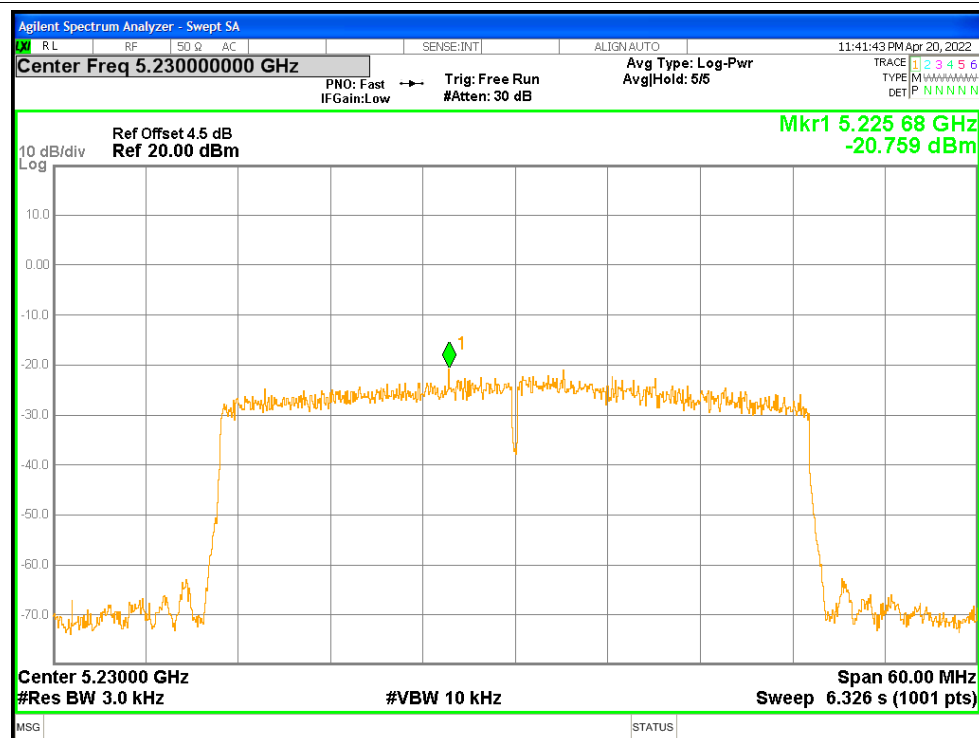
PSD NVNT ax20 5240MHz



PSD NVNT ax40 5190MHz



PSD NVNT ax40 5230MHz



PSD NVNT ax80 5210MHz

