

FCC Test Report

ANNEX 2 5G WIFI

FCC ID: 2A8JR-DN39C

Applicant:	Shenzhen Weikesen Electronic Technology Co., Ltd.
Address:	1909, No. 2, Baolong Factory, Anbo Tech, No. 2, Baolong 4th Road, Longgang Dist., Shenzhen
Manufacturer:	Shenzhen Weikesen Electronic Technology Co., Ltd.
Address:	1909, No. 2, Baolong Factory, Anbo Tech, No. 2, Baolong 4th Road, Longgang Dist., Shenzhen
EUT:	notebook
Trade Mark:	N/A
Model Number:	DN39C(MGI i5 12500H Pro)
Date of Receipt:	Oct. 03, 2022
Test Date:	Oct. 03, 2022 – Dec. 29, 2022
Date of Report:	Dec. 29, 2022
Prepared By:	Shenzhen DL Testing Technology Co., Ltd.
Address:	101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China
Applicable Standards:	FCC PART 15 C 15.407 ANSI C63.10:2013
Test Result:	Pass

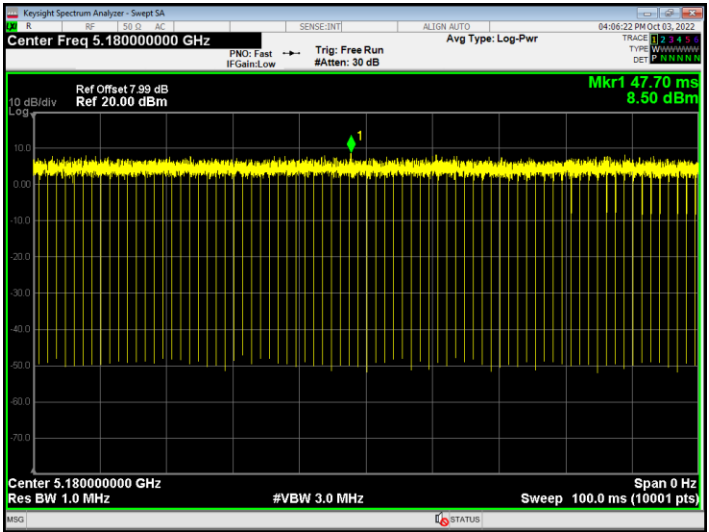
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant1	97.57	0.11
NVNT	a	5220	Ant1	97.59	0.11
NVNT	a	5240	Ant1	97.57	0.11
NVNT	ac20	5180	Ant1	93.59	0.29
NVNT	ac20	5220	Ant1	93.63	0.29
NVNT	ac20	5240	Ant1	93.68	0.28
NVNT	ac40	5190	Ant1	88.64	0.52
NVNT	ac40	5230	Ant1	88.7	0.52
NVNT	ac80	5210	Ant1	82.01	0.86
NVNT	ax20	5180	Ant1	91.95	0.36
NVNT	ax20	5220	Ant1	91.94	0.36
NVNT	ax20	5240	Ant1	91.98	0.36
NVNT	ax40	5190	Ant1	86.6	0.62
NVNT	ax40	5230	Ant1	86.45	0.63
NVNT	ax80	5210	Ant1	79.37	1
NVNT	n20	5180	Ant1	95.38	0.21
NVNT	n20	5220	Ant1	95.41	0.2
NVNT	n20	5240	Ant1	95.4	0.2
NVNT	n40	5190	Ant1	91.41	0.39
NVNT	n40	5230	Ant1	91.4	0.39

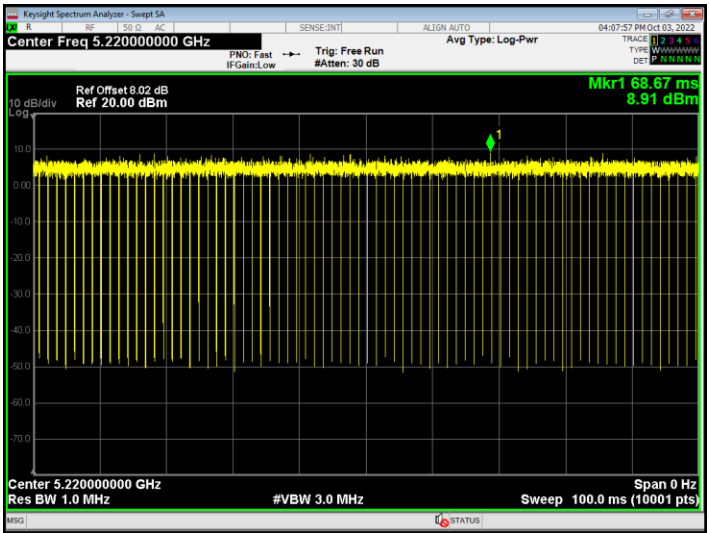
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	Ant2	97.57	0.11
NVNT	a	5220	Ant2	97.57	0.11
NVNT	a	5240	Ant2	97.57	0.11
NVNT	ac20	5180	Ant2	93.59	0.29
NVNT	ac20	5220	Ant2	93.61	0.29
NVNT	ac20	5240	Ant2	93.65	0.28
NVNT	ac40	5190	Ant2	88.73	0.52
NVNT	ac40	5230	Ant2	88.73	0.52
NVNT	ac80	5210	Ant2	82.05	0.86
NVNT	ax20	5180	Ant2	92.03	0.36
NVNT	ax20	5220	Ant2	91.97	0.36
NVNT	ax20	5240	Ant2	91.96	0.36
NVNT	ax40	5190	Ant2	86.27	0.64
NVNT	ax40	5230	Ant2	86.48	0.63
NVNT	ax80	5210	Ant2	79.3	1.01
NVNT	n20	5180	Ant2	95.34	0.21
NVNT	n20	5220	Ant2	95.39	0.2
NVNT	n20	5240	Ant2	95.32	0.21
NVNT	n40	5190	Ant2	91.36	0.39
NVNT	n40	5230	Ant2	91.33	0.39

Ant1:

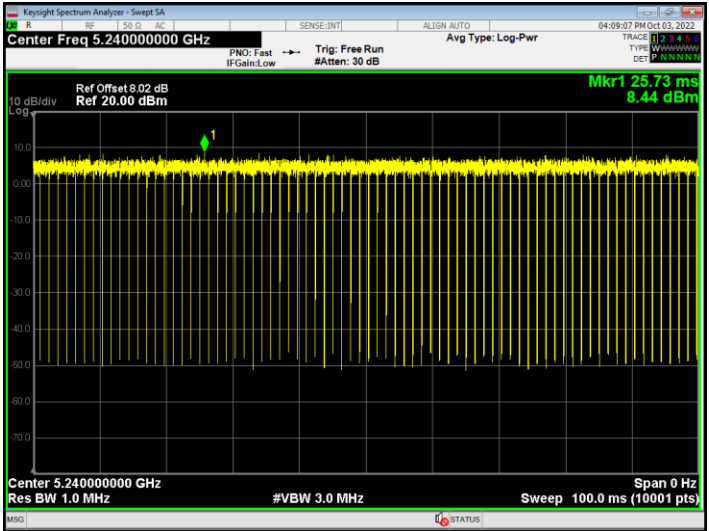
Duty Cycle NVNT a 5180MHz Ant1



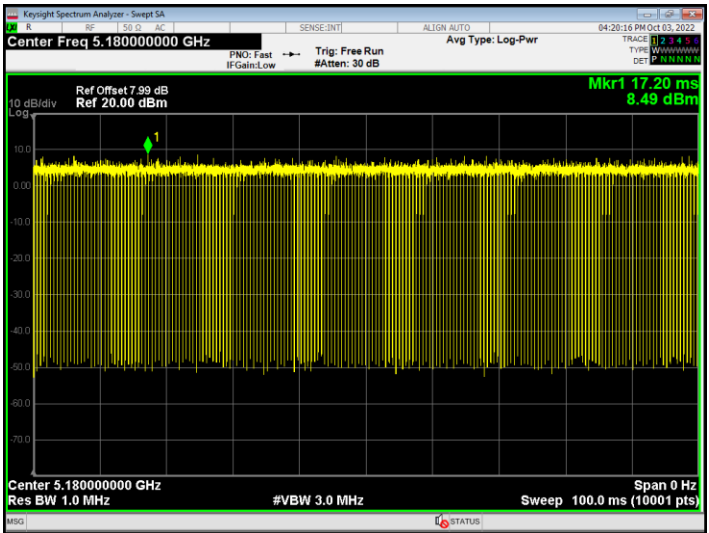
Duty Cycle NVNT a 5220MHz Ant1



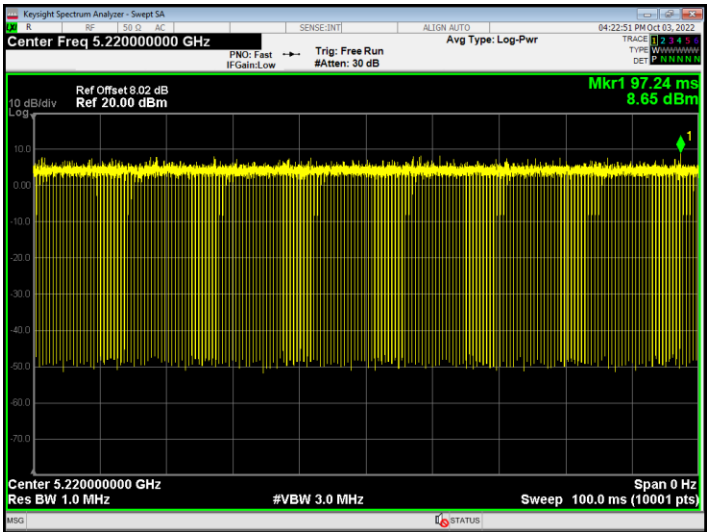
Duty Cycle NVNT a 5240MHz Ant1



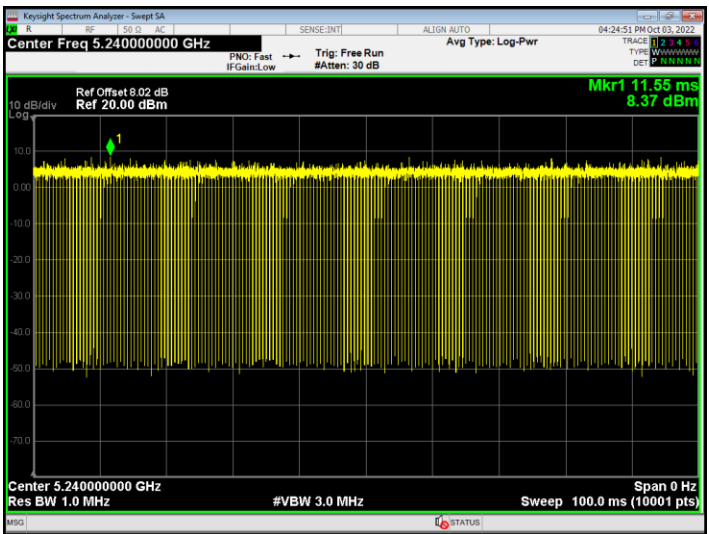
Duty Cycle NVNT ac20 5180MHz Ant1



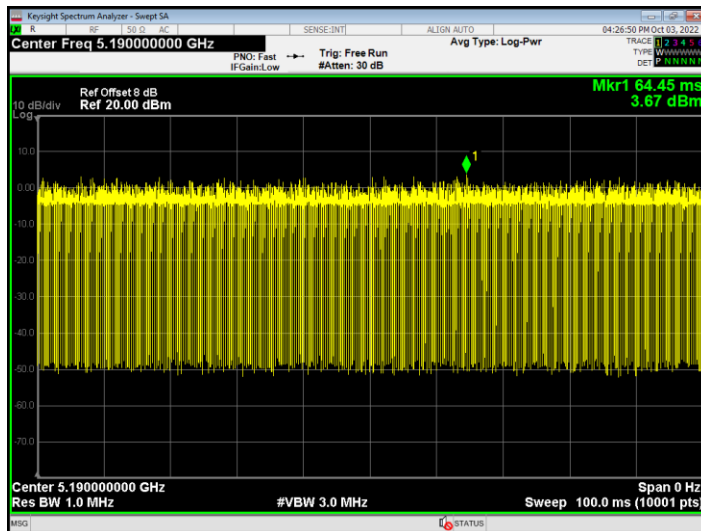
Duty Cycle NVNT ac20 5220MHz Ant1



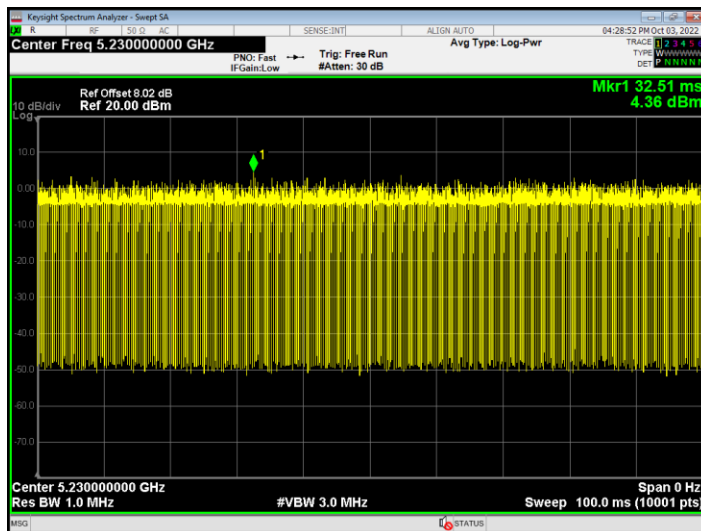
Duty Cycle NVNT ac20 5240MHz Ant1



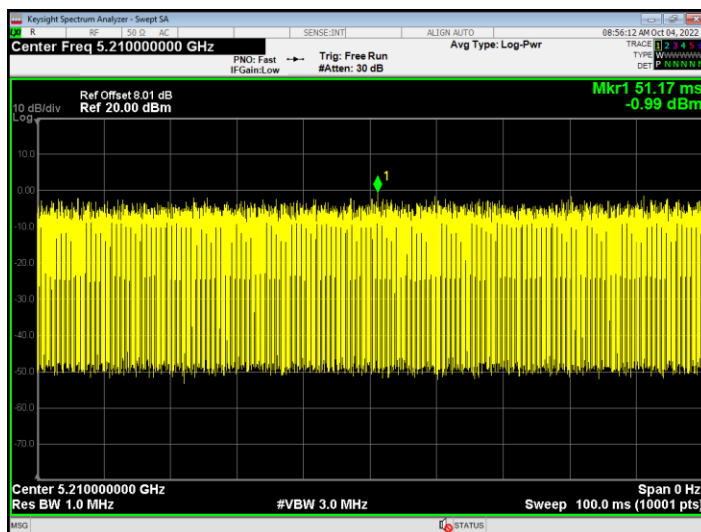
Duty Cycle NVNT ac40 5190MHz Ant1



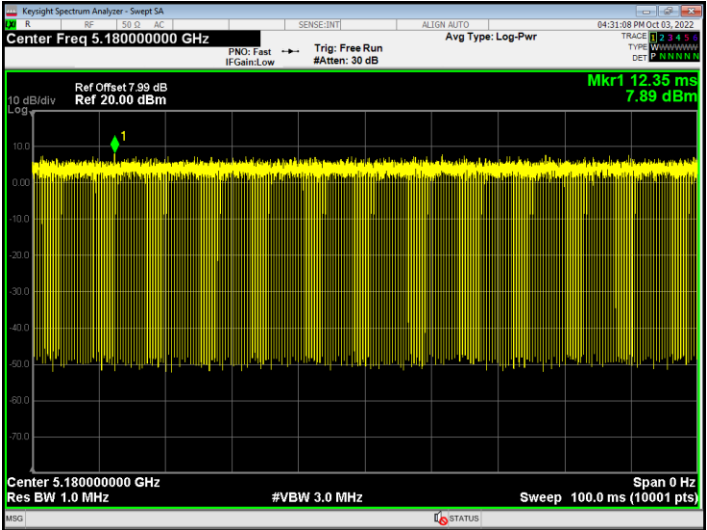
Duty Cycle NVNT ac40 5230MHz Ant1



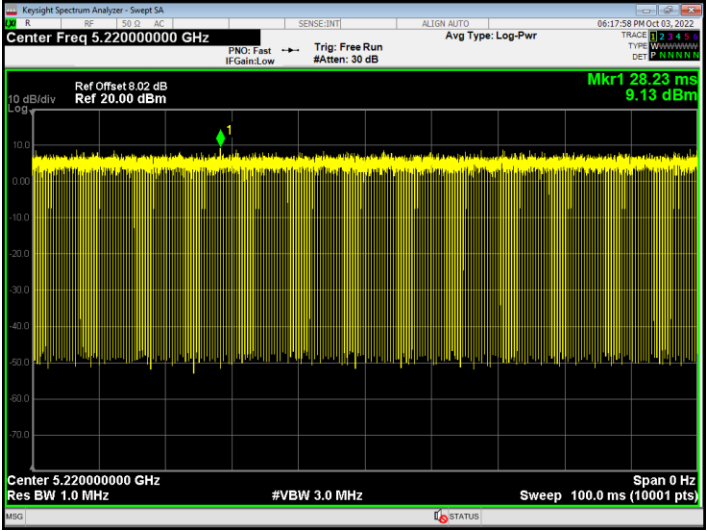
Duty Cycle NVNT ac80 5210MHz Ant1



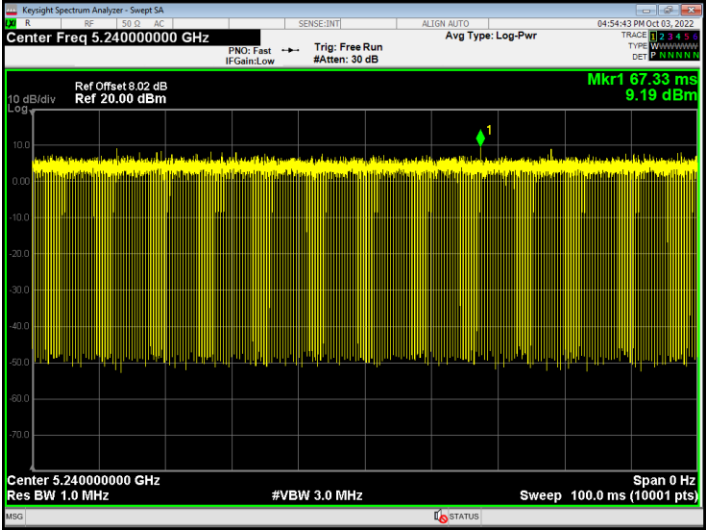
Duty Cycle NVNT ax20 5180MHz Ant1



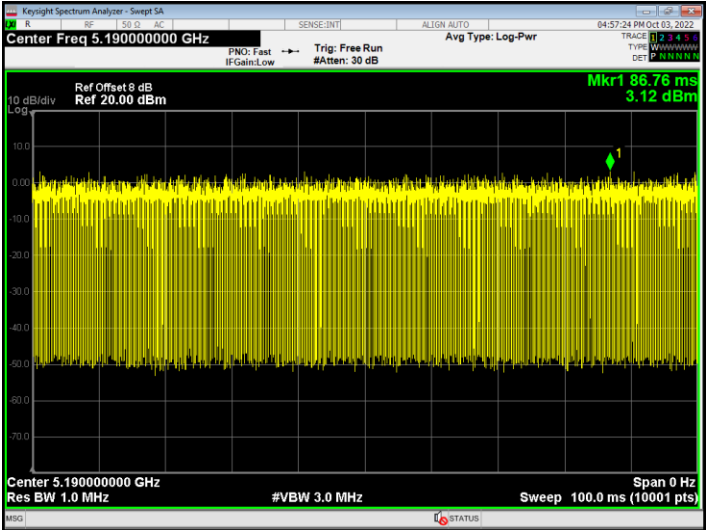
Duty Cycle NVNT ax20 5220MHz Ant1



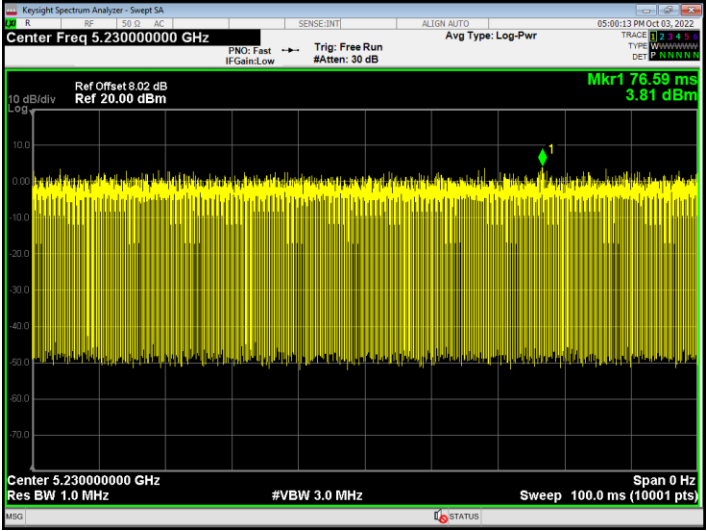
Duty Cycle NVNT ax20 5240MHz Ant1



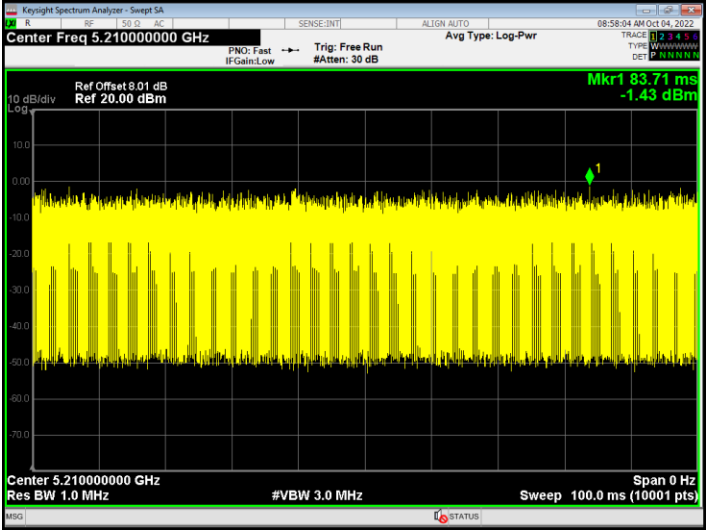
Duty Cycle NVNT ax40 5190MHz Ant1



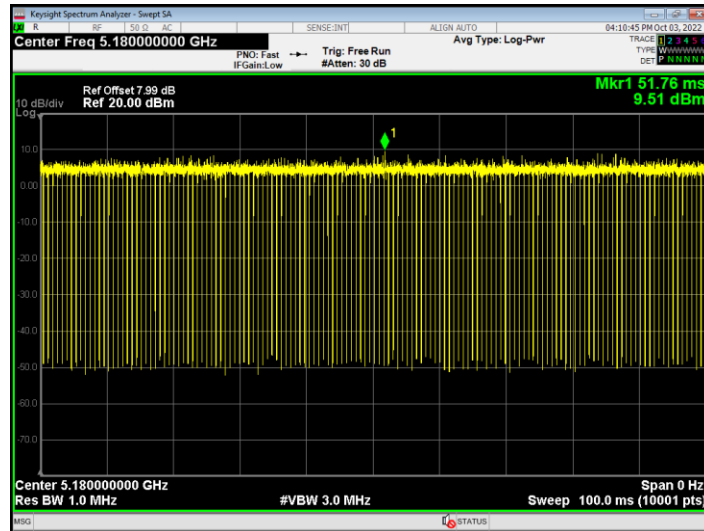
Duty Cycle NVNT ax40 5230MHz Ant1



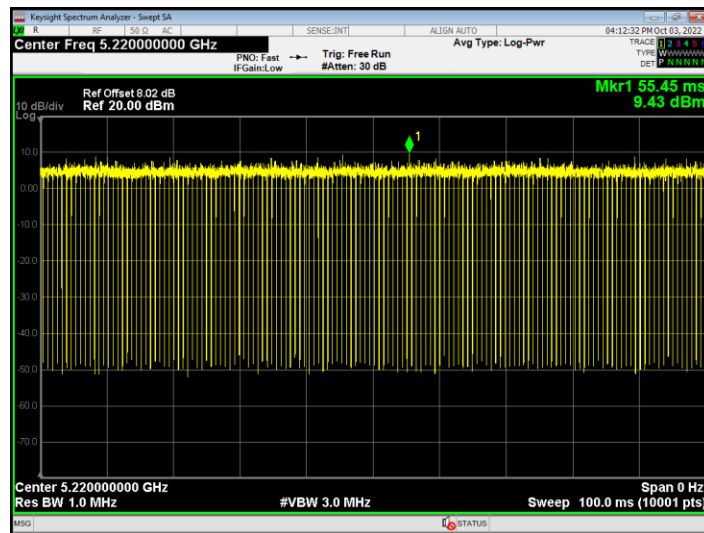
Duty Cycle NVNT ax80 5210MHz Ant1



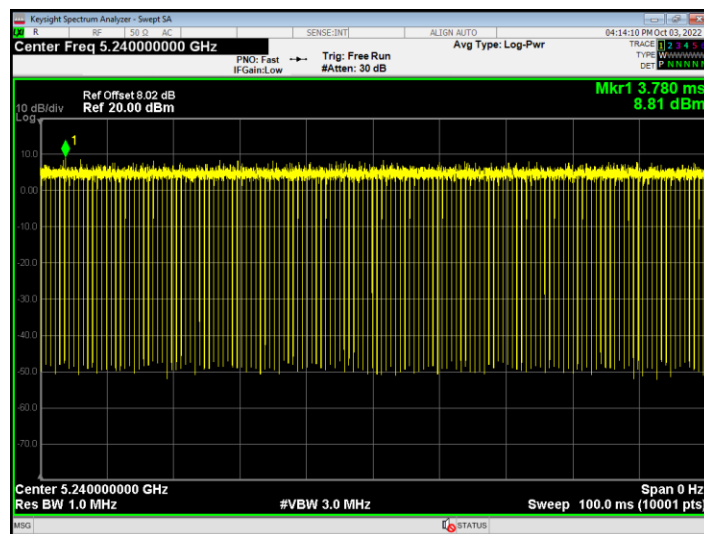
Duty Cycle NVNT n20 5180MHz Ant1



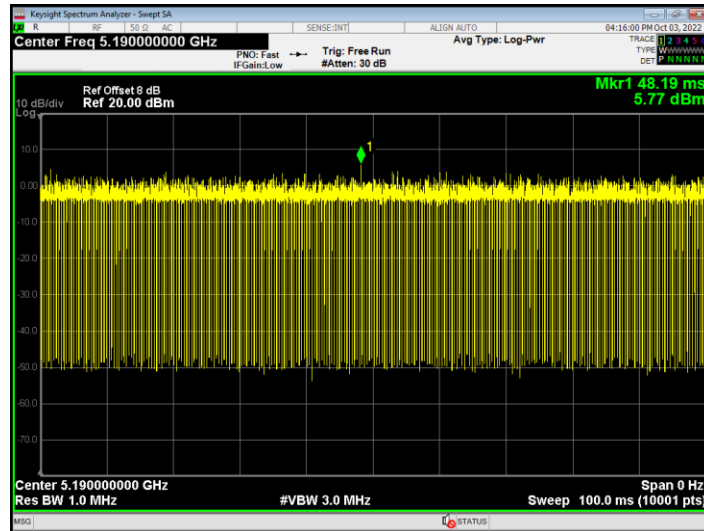
Duty Cycle NVNT n20 5220MHz Ant1



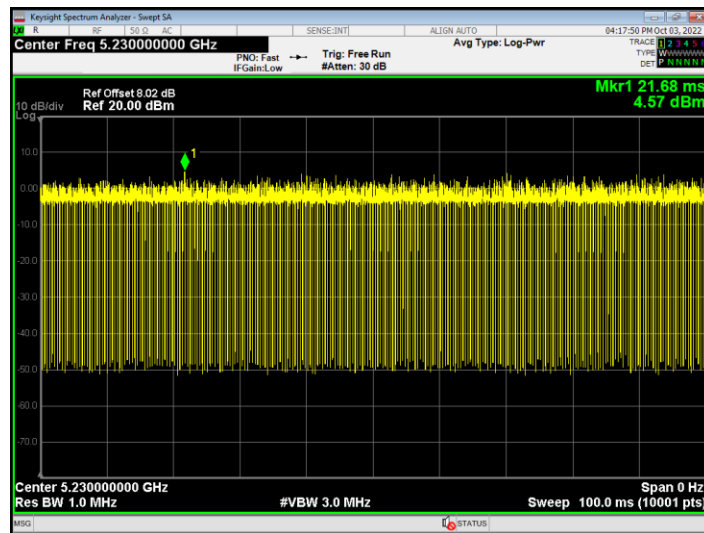
Duty Cycle NVNT n20 5240MHz Ant1



Duty Cycle NVNT n40 5190MHz Ant1

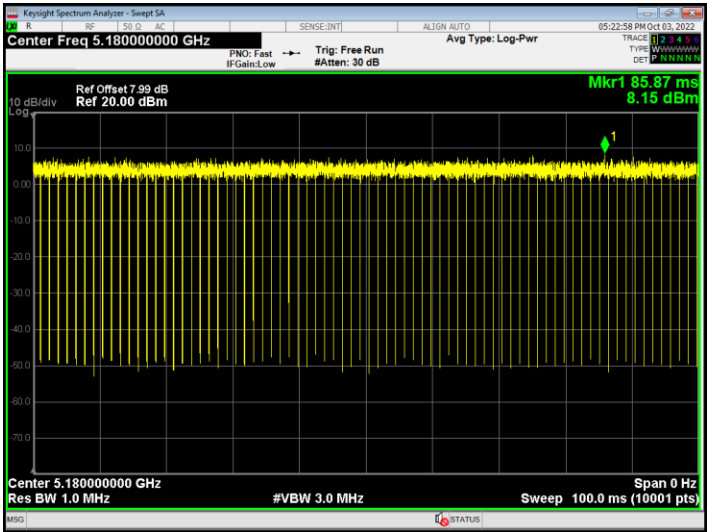


Duty Cycle NVNT n40 5230MHz Ant1

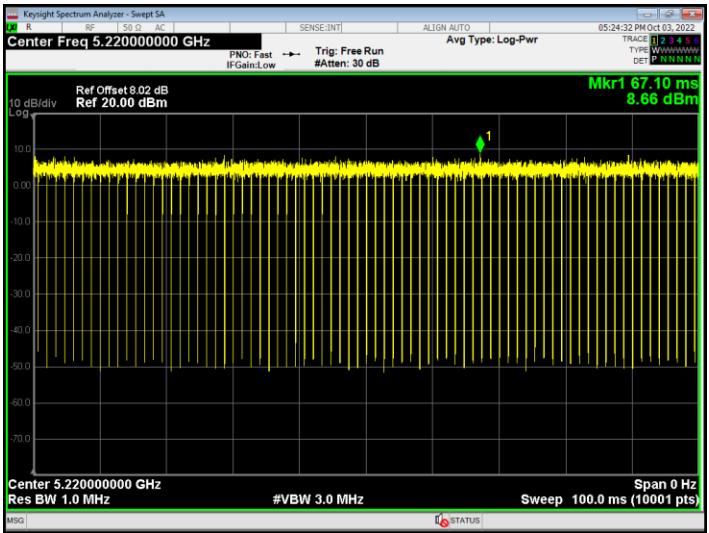


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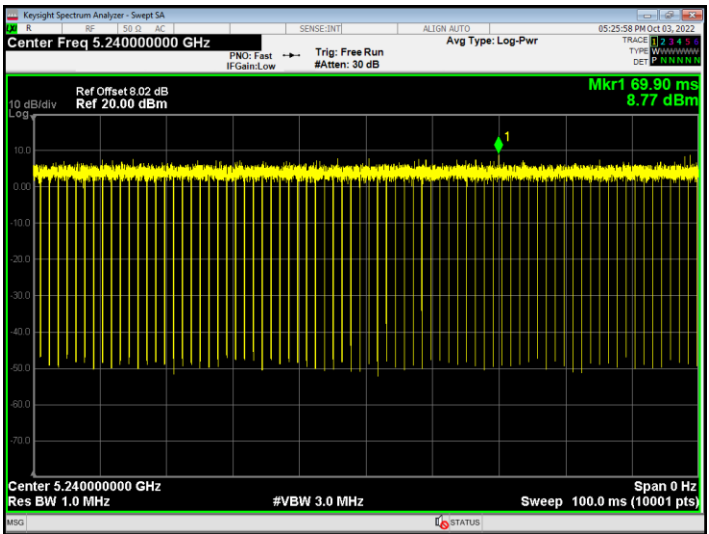
Duty Cycle NVNT a 5180MHz Ant2



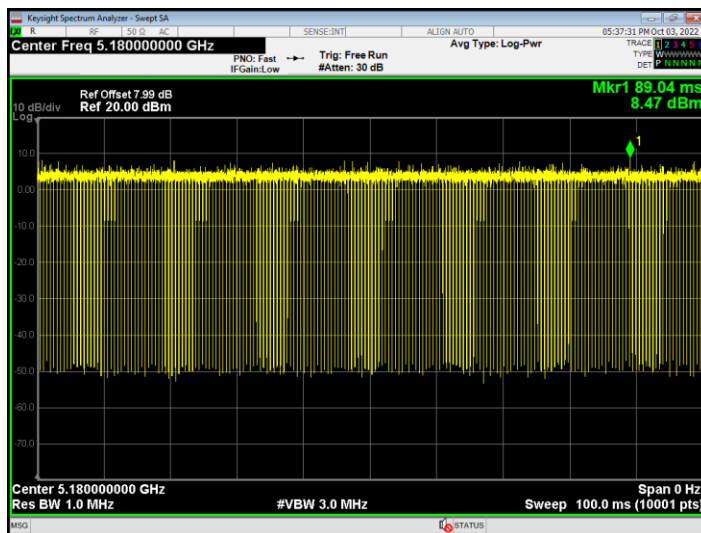
Duty Cycle NVNT a 5220MHz Ant2



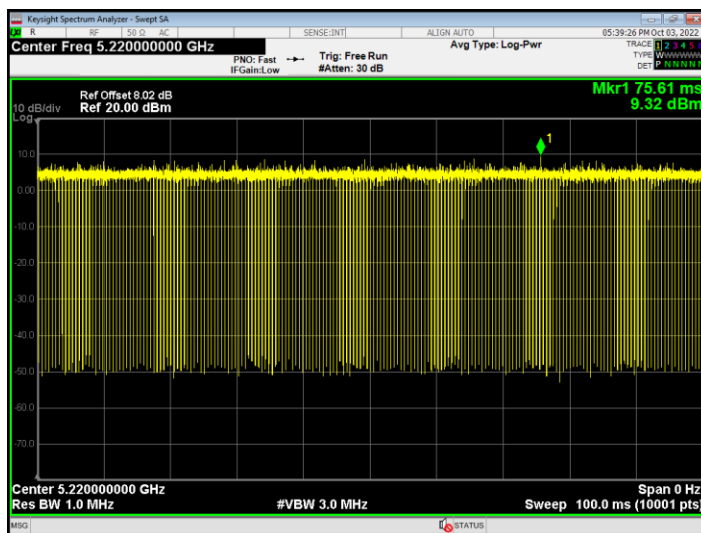
Duty Cycle NVNT a 5240MHz Ant2



Duty Cycle NVNT ac20 5180MHz Ant2



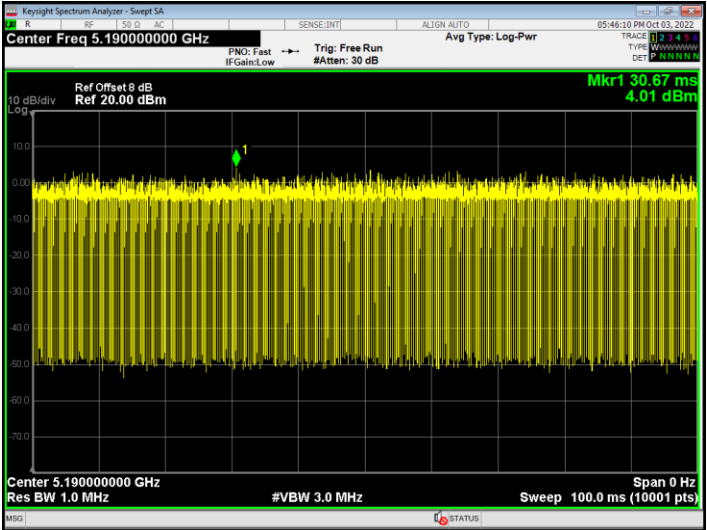
Duty Cycle NVNT ac20 5220MHz Ant2



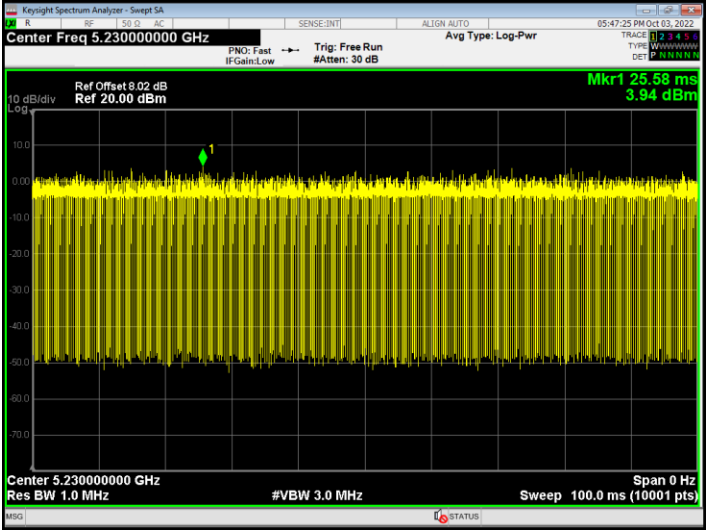
Duty Cycle NVNT ac20 5240MHz Ant2



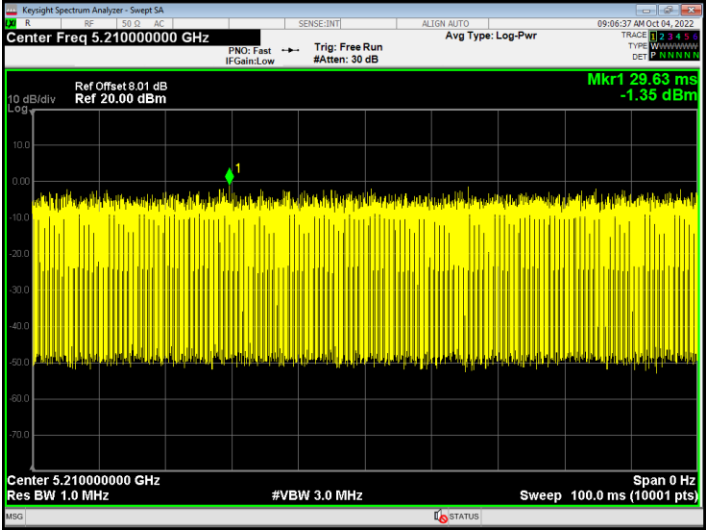
Duty Cycle NVNT ac40 5190MHz Ant2



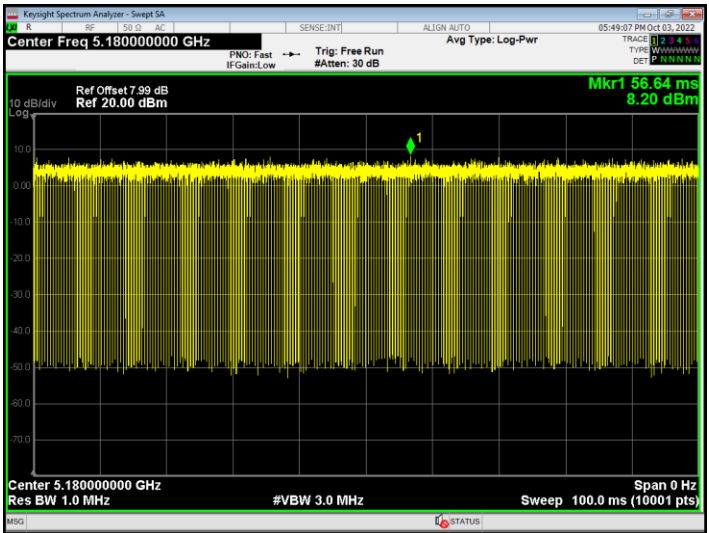
Duty Cycle NVNT ac40 5230MHz Ant2



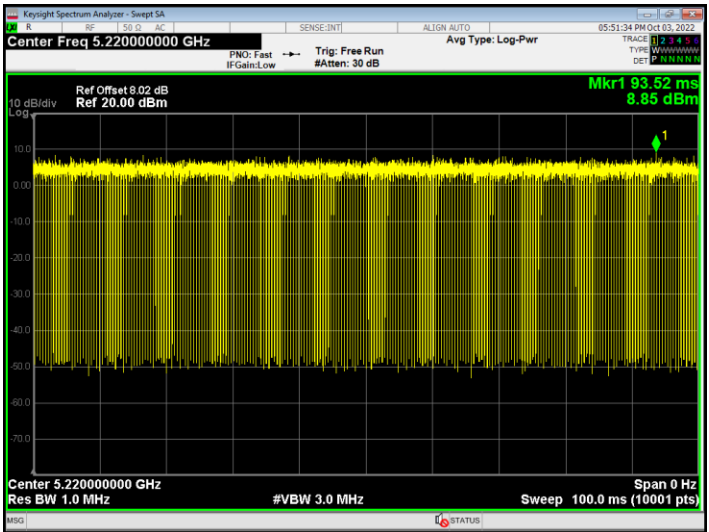
Duty Cycle NVNT ac80 5210MHz Ant2



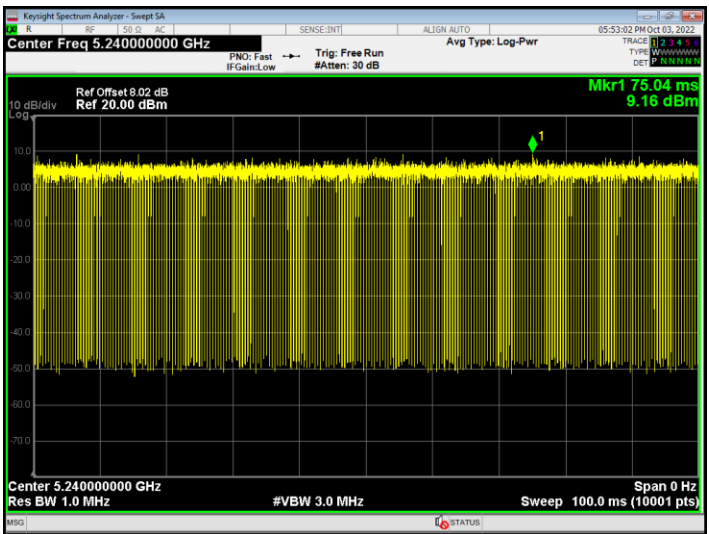
Duty Cycle NVNT ax20 5180MHz Ant2



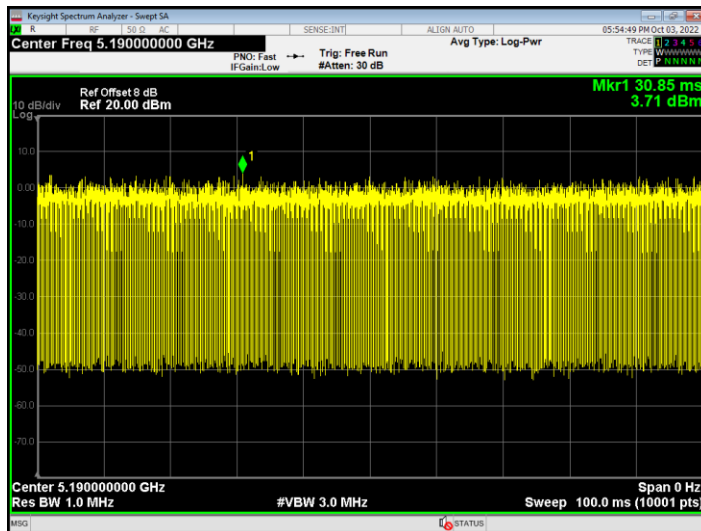
Duty Cycle NVNT ax20 5220MHz Ant2



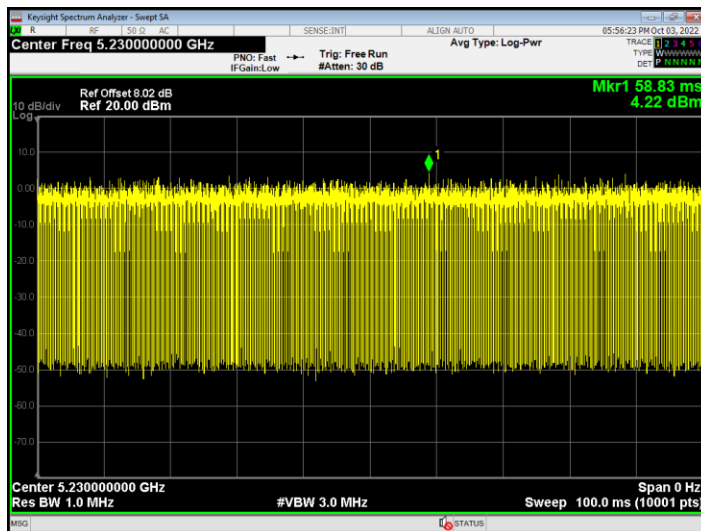
Duty Cycle NVNT ax20 5240MHz Ant2



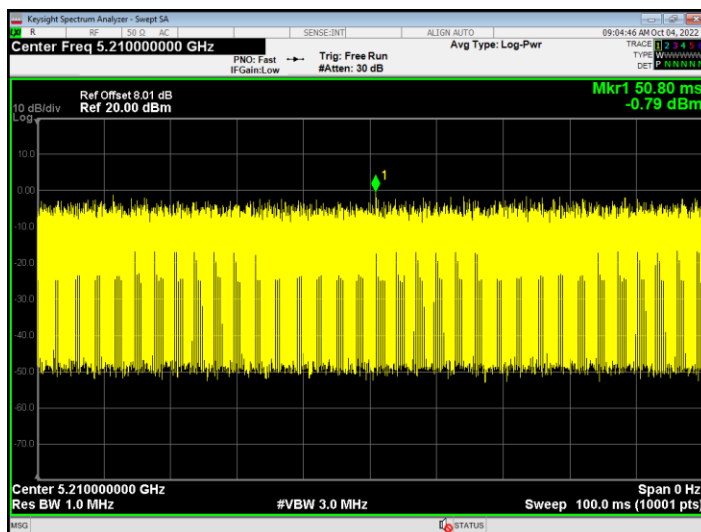
Duty Cycle NVNT ax40 5190MHz Ant2



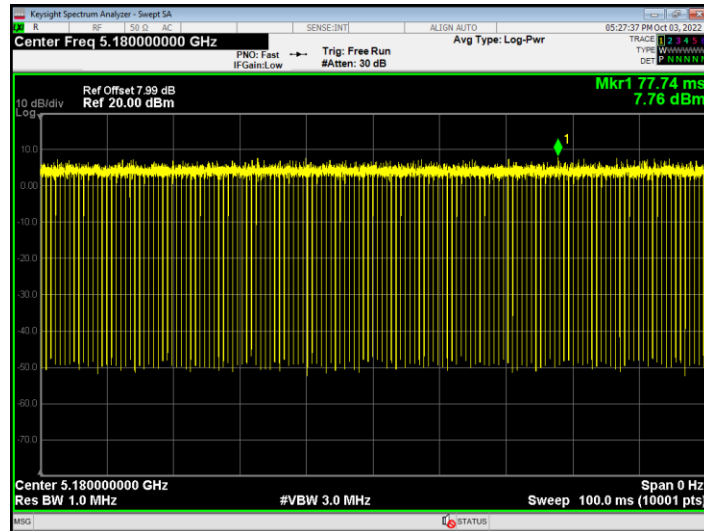
Duty Cycle NVNT ax40 5230MHz Ant2



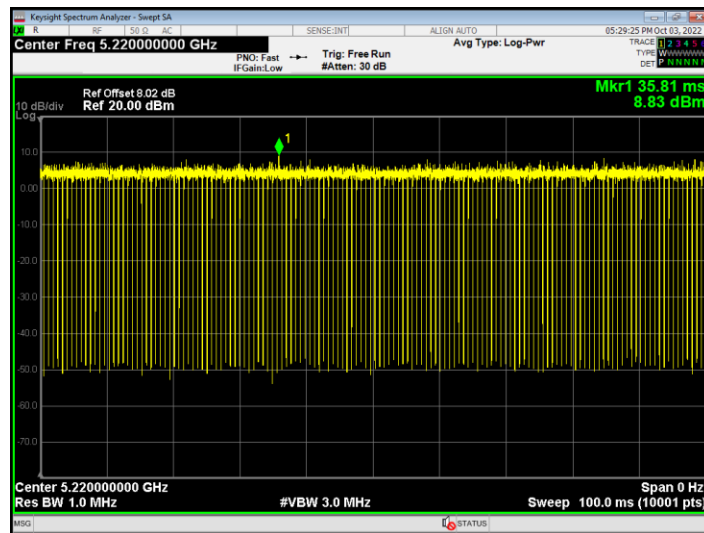
Duty Cycle NVNT ax80 5210MHz Ant2



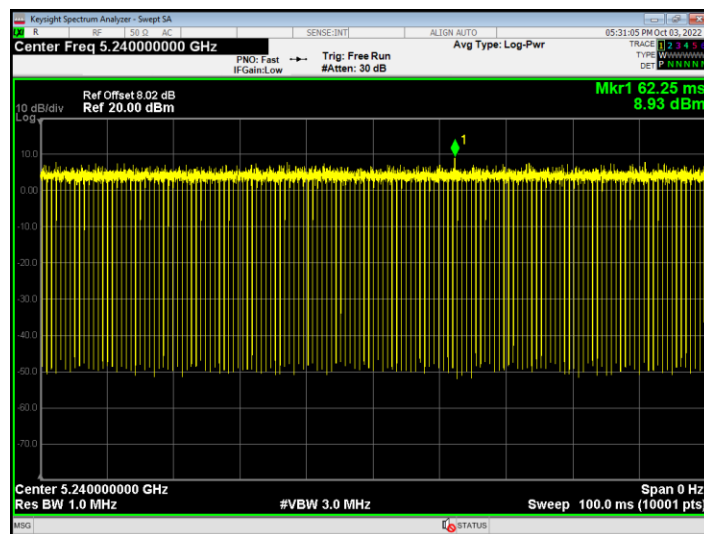
Duty Cycle NVNT n20 5180MHz Ant2



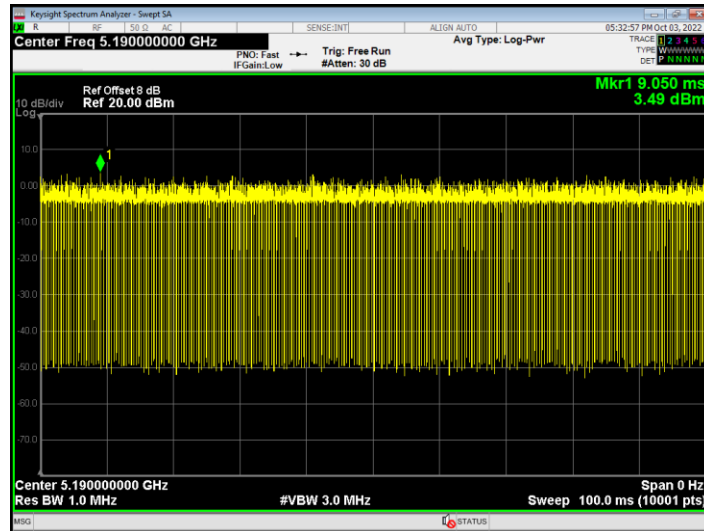
Duty Cycle NVNT n20 5220MHz Ant2



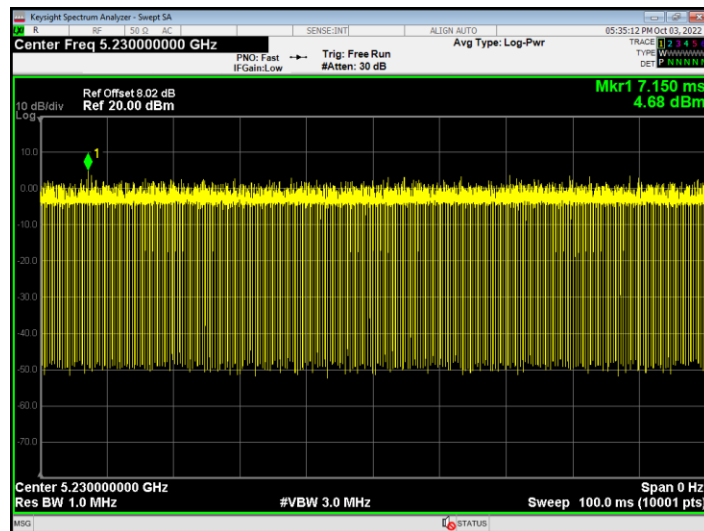
Duty Cycle NVNT n20 5240MHz Ant2



Duty Cycle NVNT n40 5190MHz Ant2



Duty Cycle NVNT n40 5230MHz Ant2



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	-1.023	0.11	-0.913	23.98	Pass
NVNT	a	5220	Ant1	-1.103	0.11	-0.993	23.98	Pass
NVNT	a	5240	Ant1	-1.189	0.11	-1.079	23.98	Pass
NVNT	ac20	5180	Ant1	-1.341	0.29	-1.051	23.98	Pass
NVNT	ac20	5220	Ant1	-1.539	0.29	-1.249	23.98	Pass
NVNT	ac20	5240	Ant1	-1.405	0.28	-1.125	23.98	Pass
NVNT	ac40	5190	Ant1	-1.612	0.52	-1.092	23.98	Pass
NVNT	ac40	5230	Ant1	-1.657	0.52	-1.137	23.98	Pass
NVNT	ac80	5210	Ant1	-1.04	0.86	-0.18	23.98	Pass
NVNT	ax20	5180	Ant1	-1.425	0.36	-1.065	23.98	Pass
NVNT	ax20	5220	Ant1	-1.601	0.36	-1.241	23.98	Pass
NVNT	ax20	5240	Ant1	-1.504	0.36	-1.144	23.98	Pass
NVNT	ax40	5190	Ant1	-1.754	0.62	-1.134	23.98	Pass
NVNT	ax40	5230	Ant1	-1.892	0.63	-1.262	23.98	Pass
NVNT	ax80	5210	Ant1	-0.476	1	0.524	23.98	Pass
NVNT	n20	5180	Ant1	-1.232	0.21	-1.022	23.98	Pass
NVNT	n20	5220	Ant1	-1.346	0.2	-1.146	23.98	Pass
NVNT	n20	5240	Ant1	-1.362	0.2	-1.162	23.98	Pass
NVNT	n40	5190	Ant1	-1.516	0.39	-1.126	23.98	Pass
NVNT	n40	5230	Ant1	-1.52	0.39	-1.13	23.98	Pass

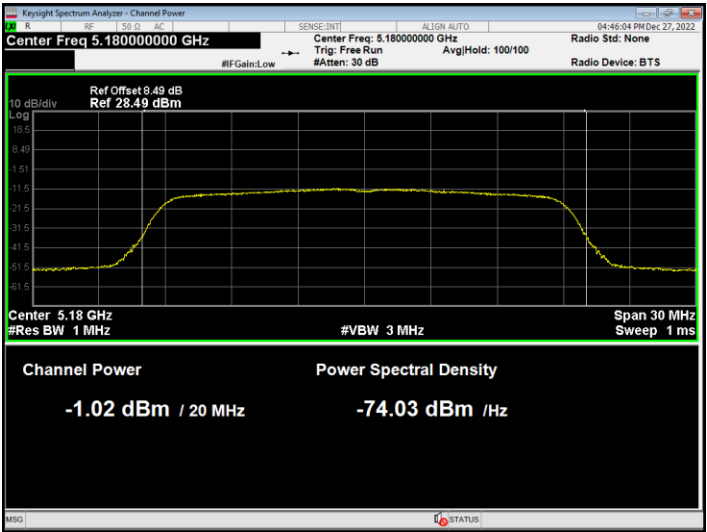
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	-1.081	0.11	-0.971	23.98	Pass
NVNT	a	5220	Ant2	-1.188	0.11	-1.078	23.98	Pass
NVNT	a	5240	Ant2	-1.204	0.11	-1.094	23.98	Pass
NVNT	ac20	5180	Ant2	-1.346	0.29	-1.056	23.98	Pass
NVNT	ac20	5220	Ant2	-1.385	0.29	-1.095	23.98	Pass
NVNT	ac20	5240	Ant2	-1.477	0.28	-1.197	23.98	Pass
NVNT	ac40	5190	Ant2	-1.647	0.52	-1.127	23.98	Pass
NVNT	ac40	5230	Ant2	-1.699	0.52	-1.179	23.98	Pass
NVNT	ac80	5210	Ant2	-1.108	0.86	-0.248	23.98	Pass
NVNT	ax20	5180	Ant2	-1.425	0.36	-1.065	23.98	Pass
NVNT	ax20	5220	Ant2	-1.541	0.36	-1.181	23.98	Pass
NVNT	ax20	5240	Ant2	-1.543	0.36	-1.183	23.98	Pass
NVNT	ax40	5190	Ant2	-1.783	0.64	-1.143	23.98	Pass
NVNT	ax40	5230	Ant2	-1.813	0.63	-1.183	23.98	Pass
NVNT	ax80	5210	Ant2	-1.376	1.01	-0.366	23.98	Pass
NVNT	n20	5180	Ant2	-1.242	0.21	-1.032	23.98	Pass
NVNT	n20	5220	Ant2	-1.278	0.2	-1.078	23.98	Pass
NVNT	n20	5240	Ant2	-1.348	0.21	-1.138	23.98	Pass
NVNT	n40	5190	Ant2	-1.371	0.39	-0.981	23.98	Pass
NVNT	n40	5230	Ant2	-1.547	0.39	-1.157	23.98	Pass

For MIMO Mode

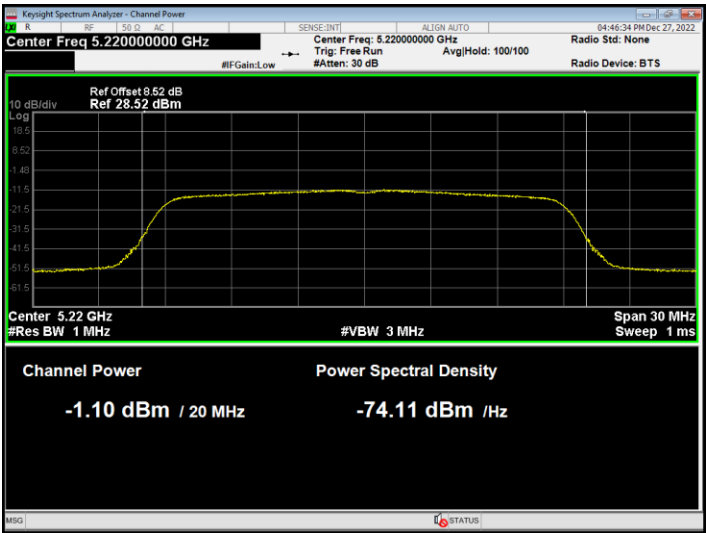
Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
ac20	5180	Ant1+2	1.96	23.98	Pass
ac20	5220	Ant1+2	1.84	23.98	Pass
ac20	5240	Ant1+2	1.85	23.98	Pass
ac40	5190	Ant1+2	1.90	23.98	Pass
ac40	5230	Ant1+2	1.85	23.98	Pass
ac80	5210	Ant1+2	2.80	23.98	Pass
ax20	5180	Ant1+2	1.95	23.98	Pass
ax20	5220	Ant1+2	1.80	23.98	Pass
ax20	5240	Ant1+2	1.85	23.98	Pass
ax40	5190	Ant1+2	1.87	23.98	Pass
ax40	5230	Ant1+2	1.79	23.98	Pass
ax80	5210	Ant1+2	3.11	23.98	Pass
n20	5180	Ant1+2	1.98	23.98	Pass
n20	5220	Ant1+2	1.90	23.98	Pass
n20	5240	Ant1+2	1.86	23.98	Pass
n40	5190	Ant1+2	1.96	23.98	Pass
n40	5230	Ant1+2	1.87	23.98	Pass

Ant1:

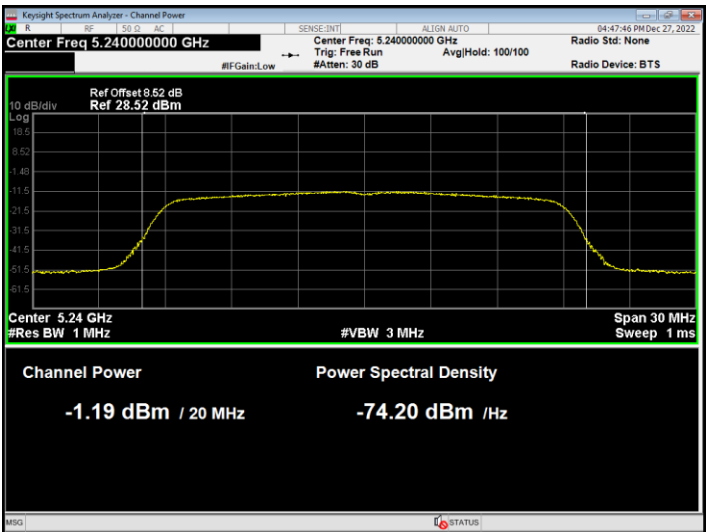
Power NVNT a 5180MHz Ant1



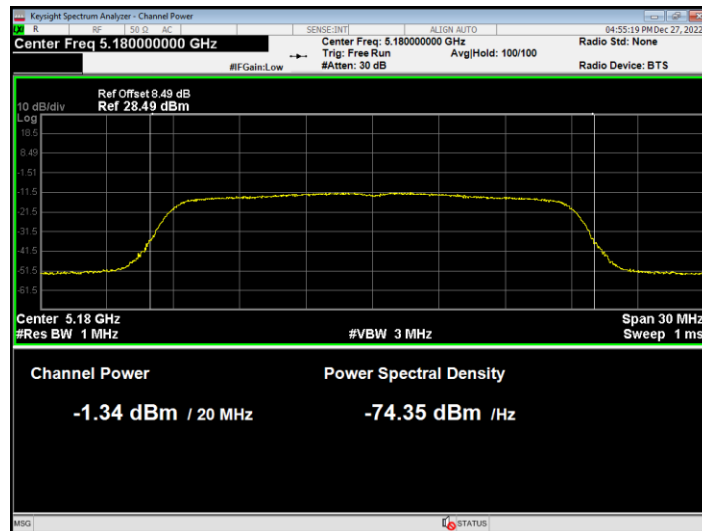
Power NVNT a 5220MHz Ant1



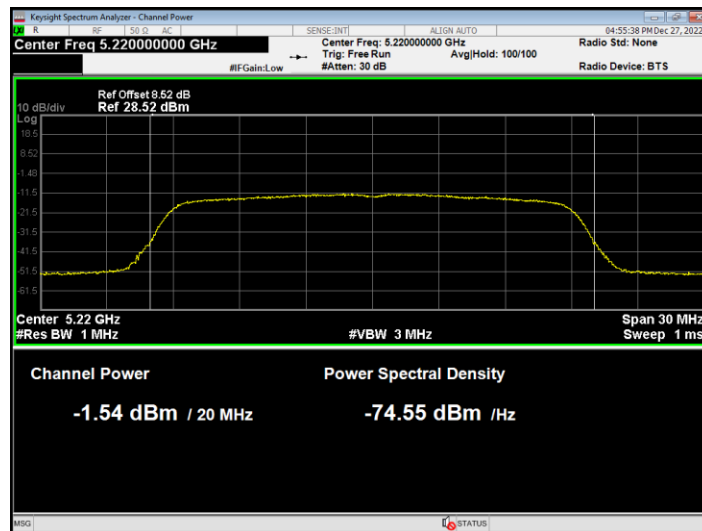
Power NVNT a 5240MHz Ant1



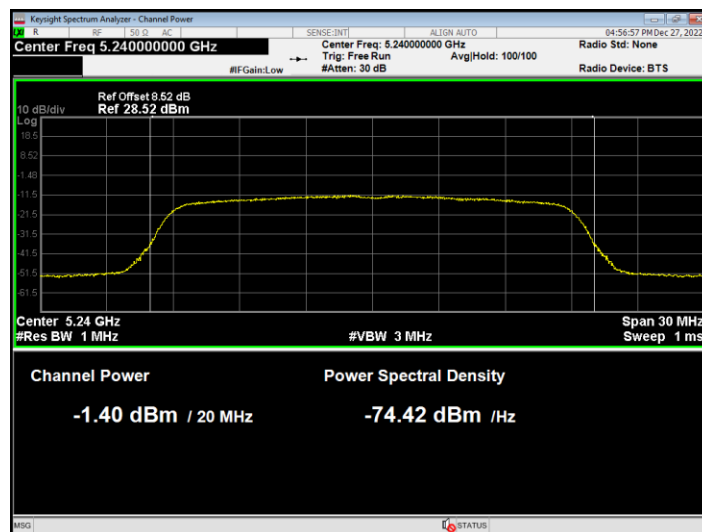
Power NVNT ac20 5180MHz Ant1



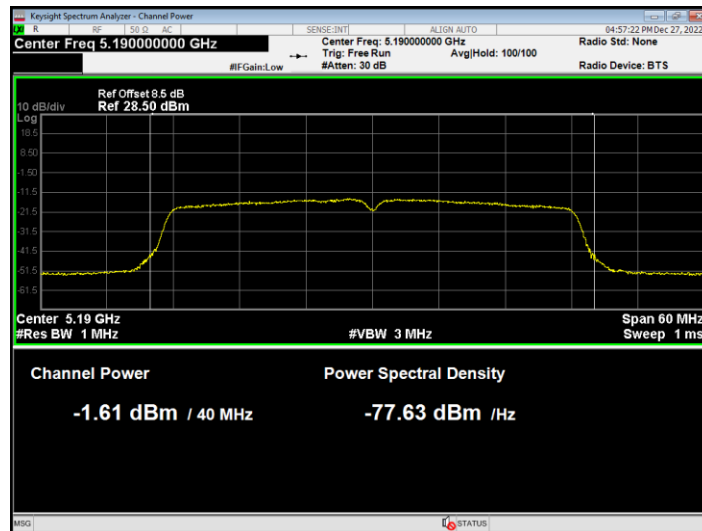
Power NVNT ac20 5220MHz Ant1



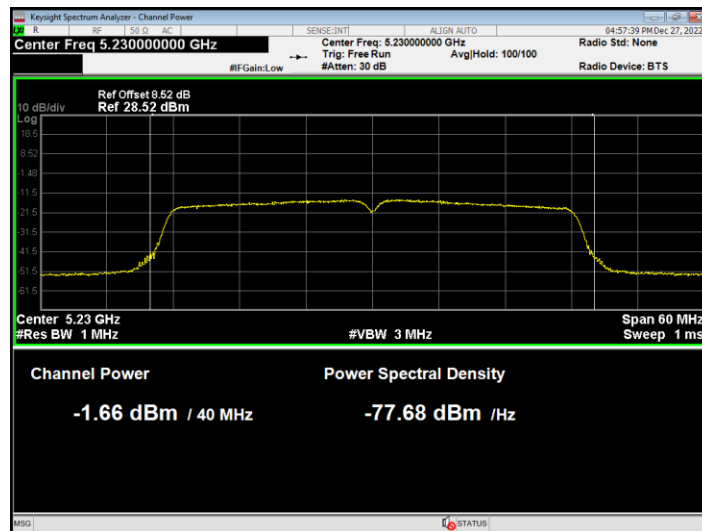
Power NVNT ac20 5240MHz Ant1



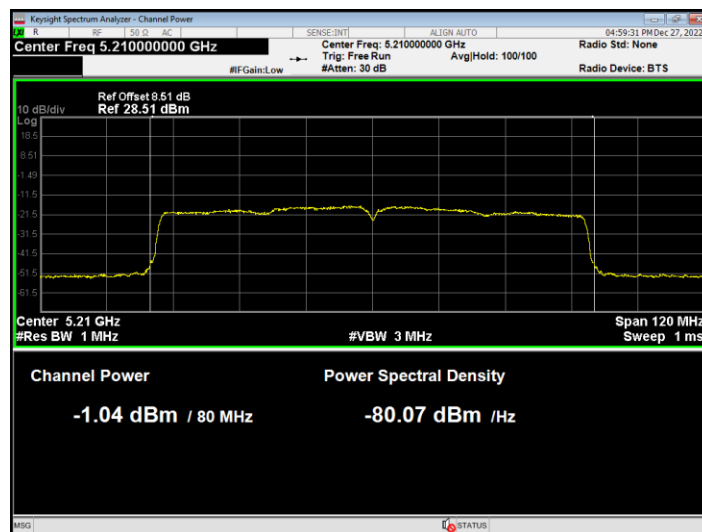
Power NVNT ac40 5190MHz Ant1



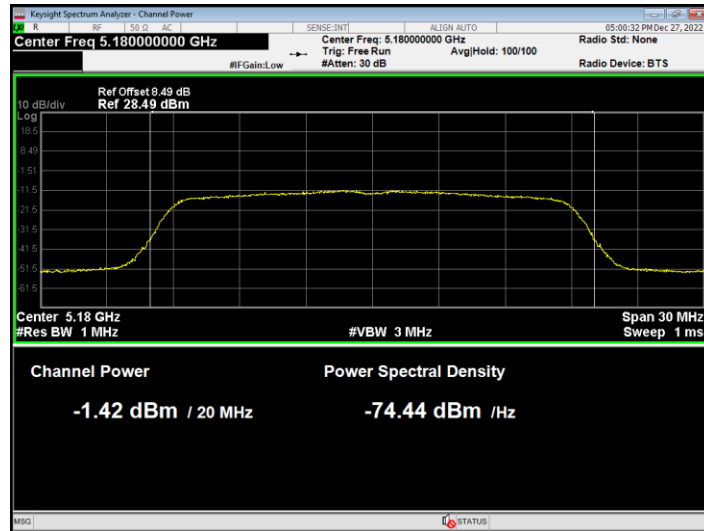
Power NVNT ac40 5230MHz Ant1



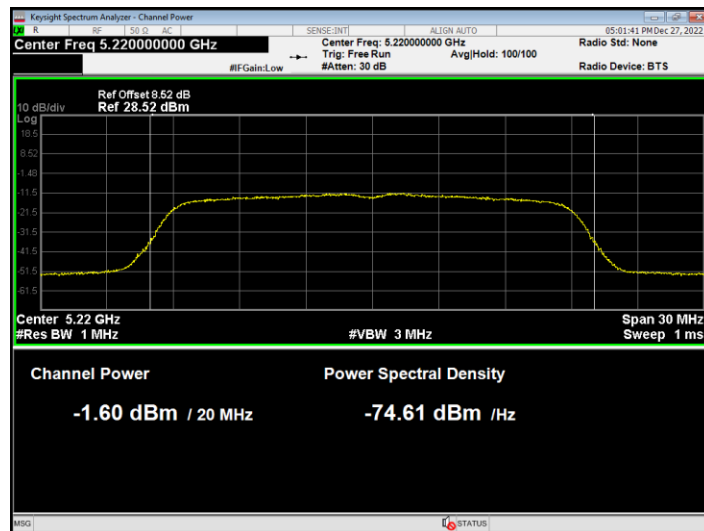
Power NVNT ac80 5210MHz Ant1



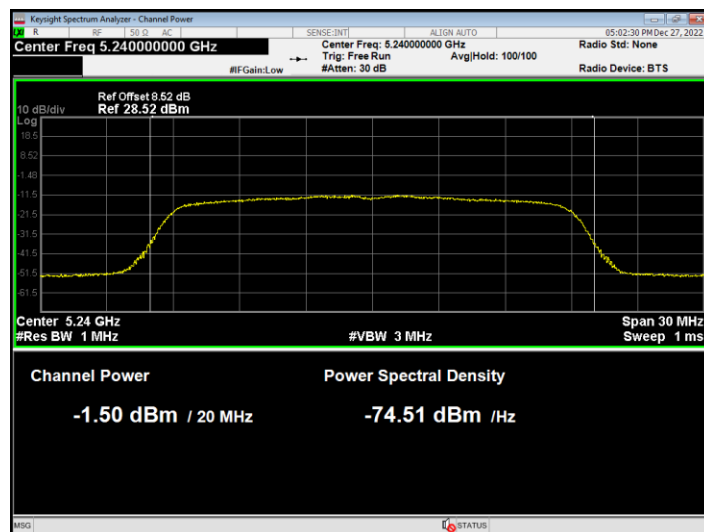
Power NVNT ax20 5180MHz Ant1



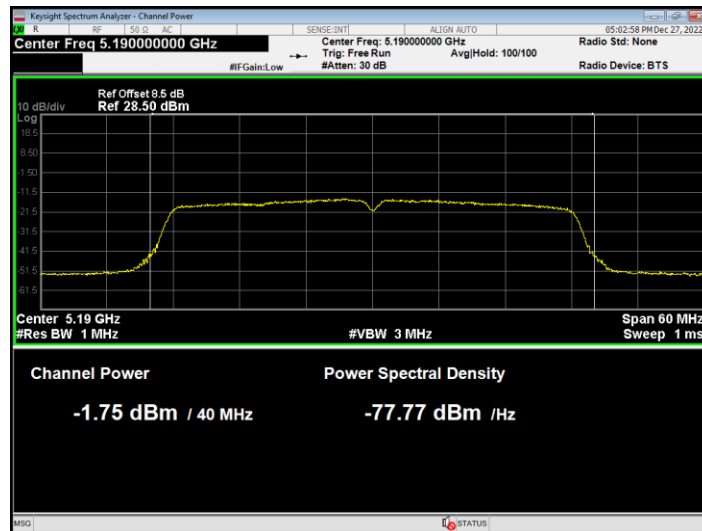
Power NVNT ax20 5220MHz Ant1



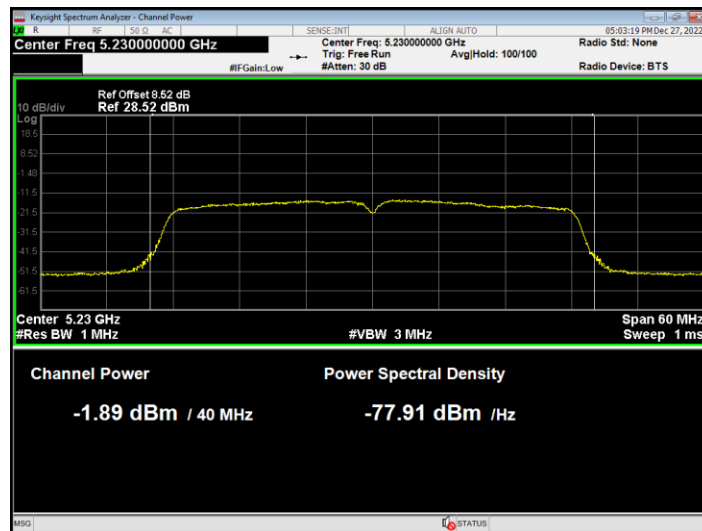
Power NVNT ax20 5240MHz Ant1



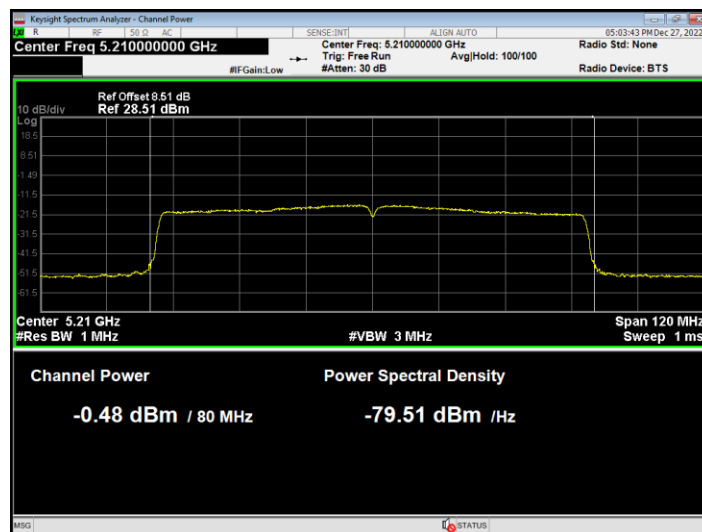
Power NVNT ax40 5190MHz Ant1



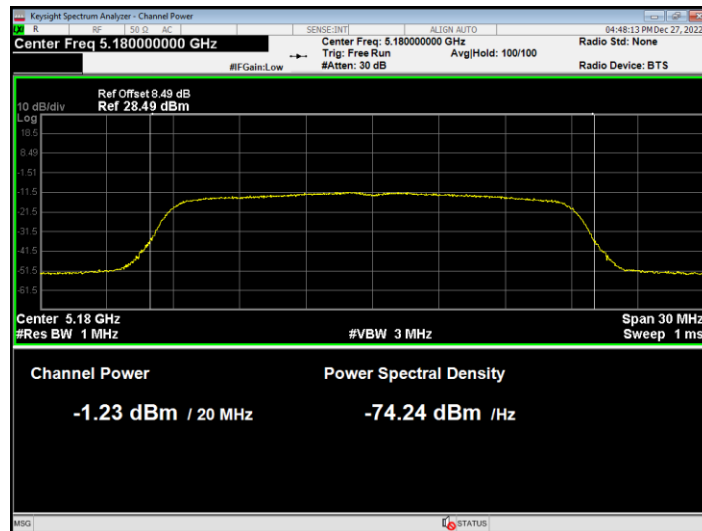
Power NVNT ax40 5230MHz Ant1



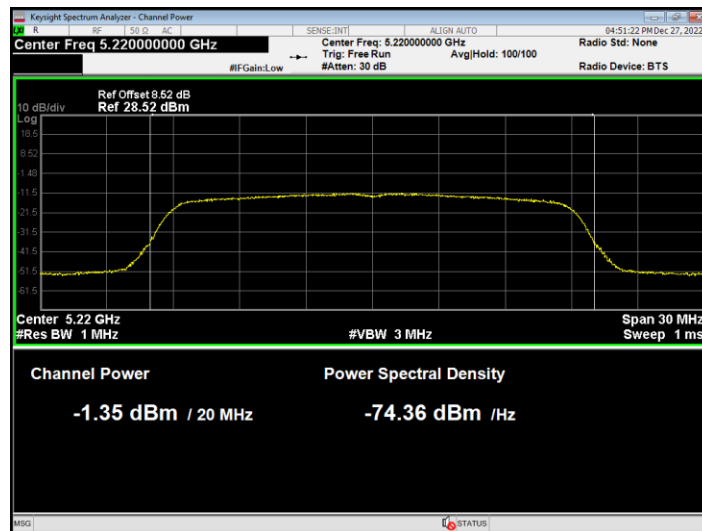
Power NVNT ax80 5210MHz Ant1



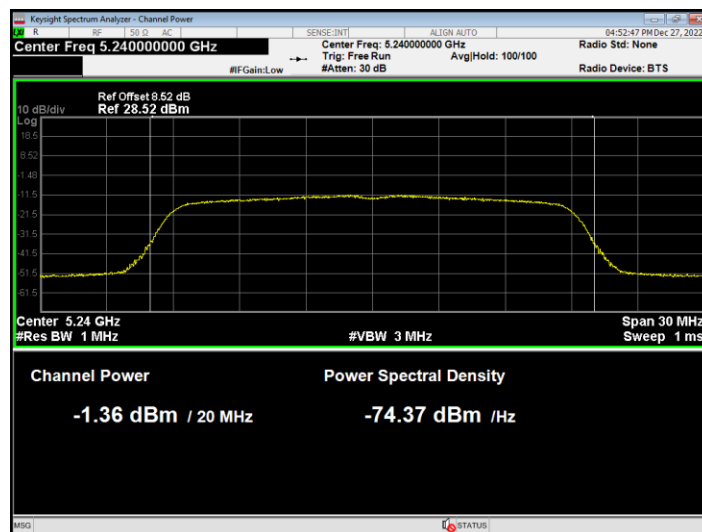
Power NVNT n20 5180MHz Ant1



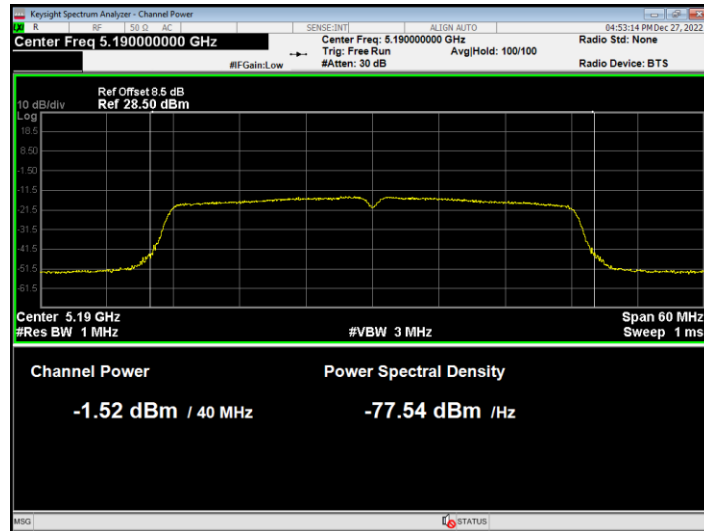
Power NVNT n20 5220MHz Ant1



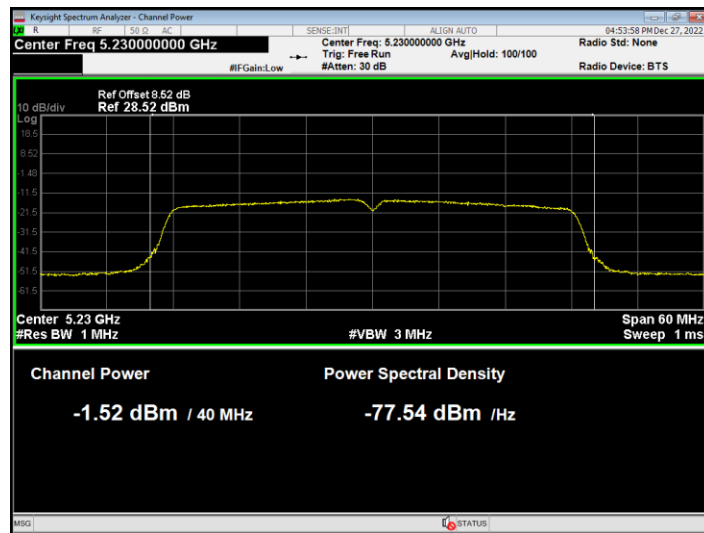
Power NVNT n20 5240MHz Ant1



Power NVNT n40 5190MHz Ant1

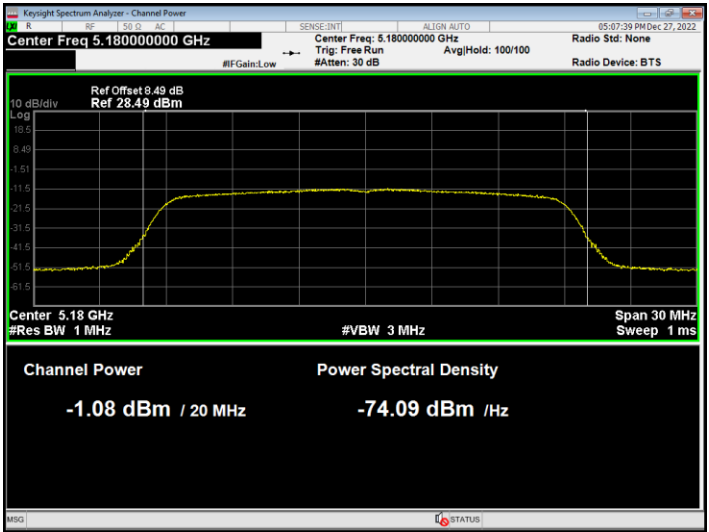


Power NVNT n40 5230MHz Ant1

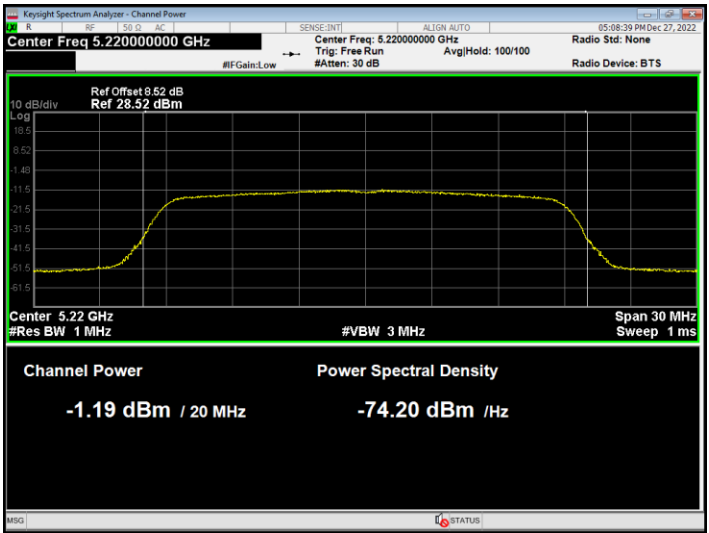


Ant2:

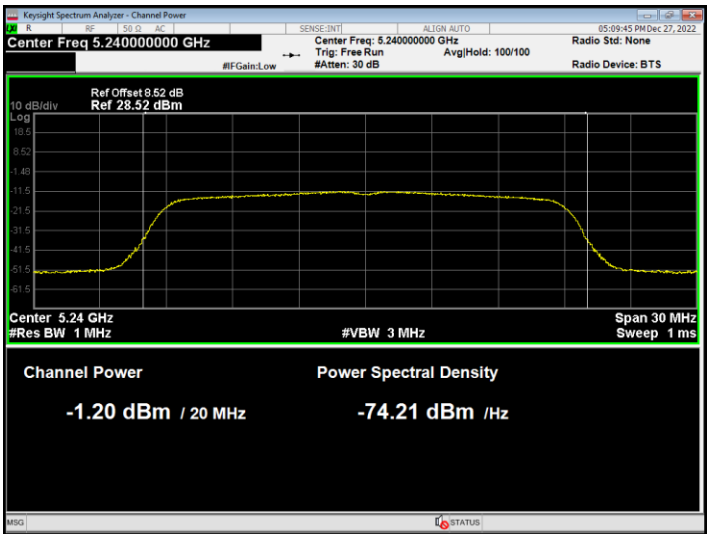
Power NVNT a 5180MHz Ant2



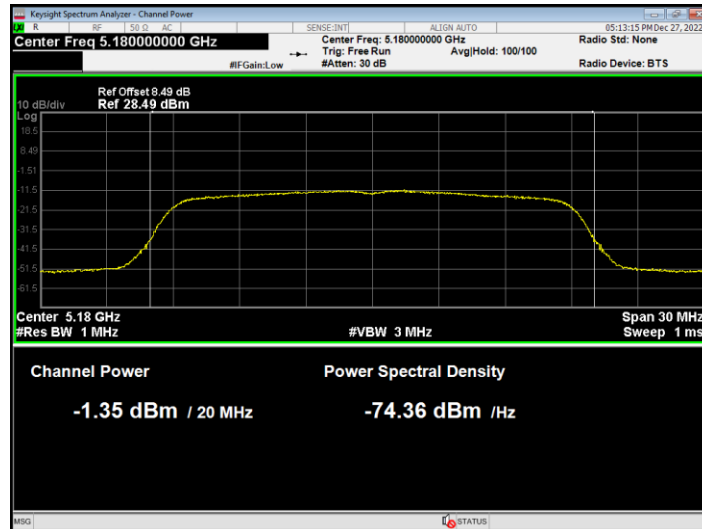
Power NVNT a 5220MHz Ant2



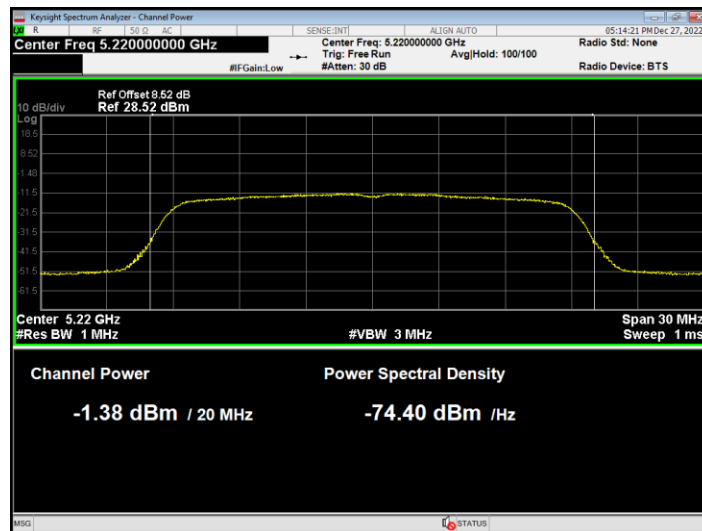
Power NVNT a 5240MHz Ant2



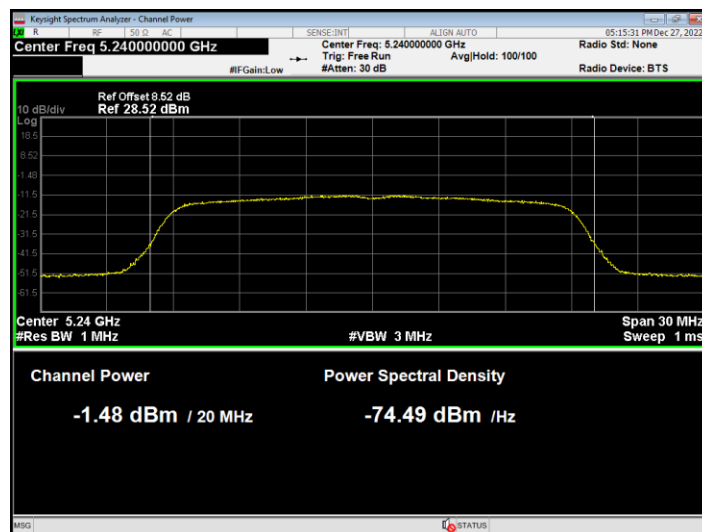
Power NVNT ac20 5180MHz Ant2



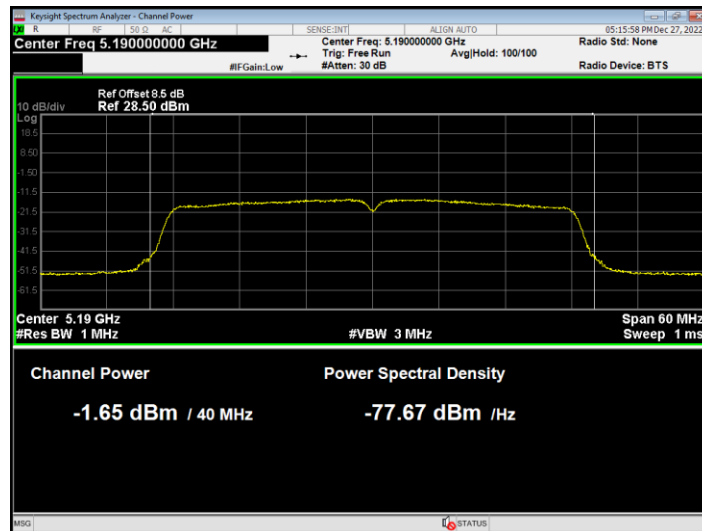
Power NVNT ac20 5220MHz Ant2



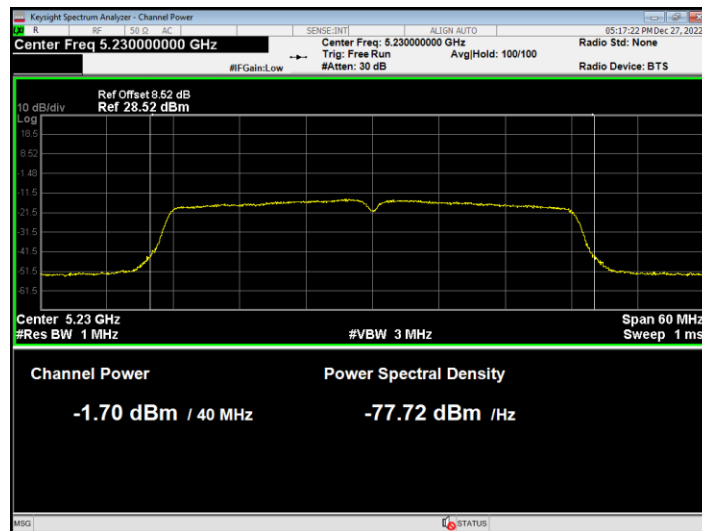
Power NVNT ac20 5240MHz Ant2



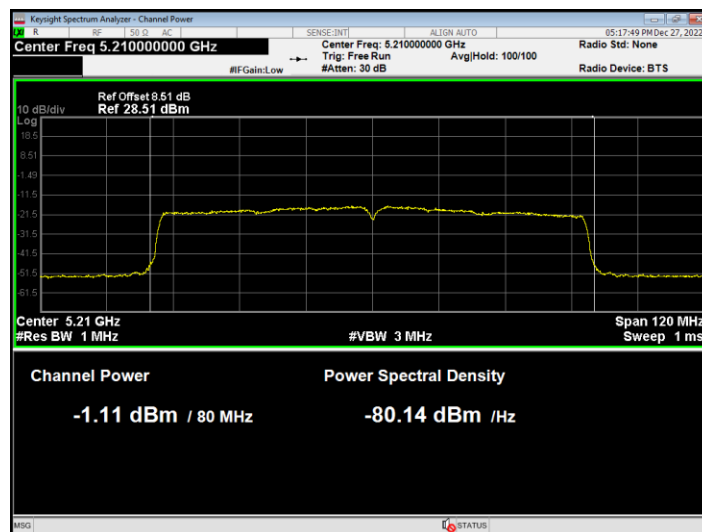
Power NVNT ac40 5190MHz Ant2



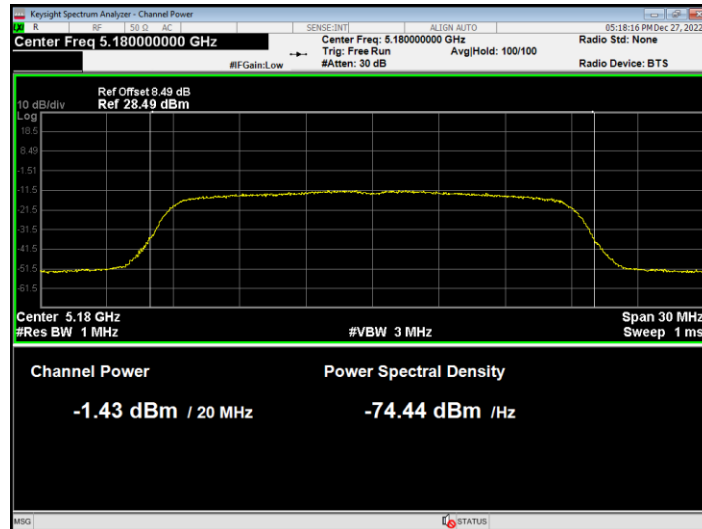
Power NVNT ac40 5230MHz Ant2



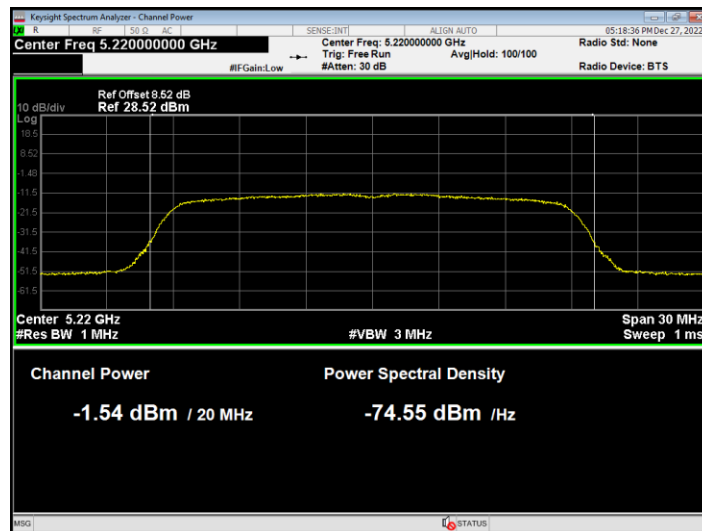
Power NVNT ac80 5210MHz Ant2



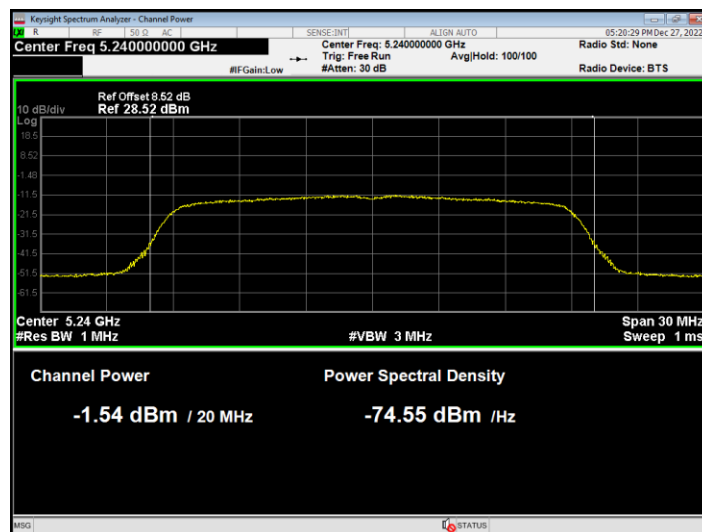
Power NVNT ax20 5180MHz Ant2



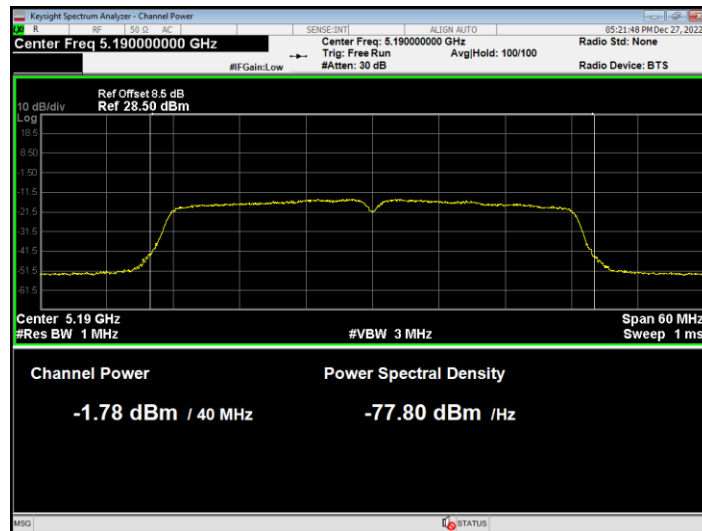
Power NVNT ax20 5220MHz Ant2



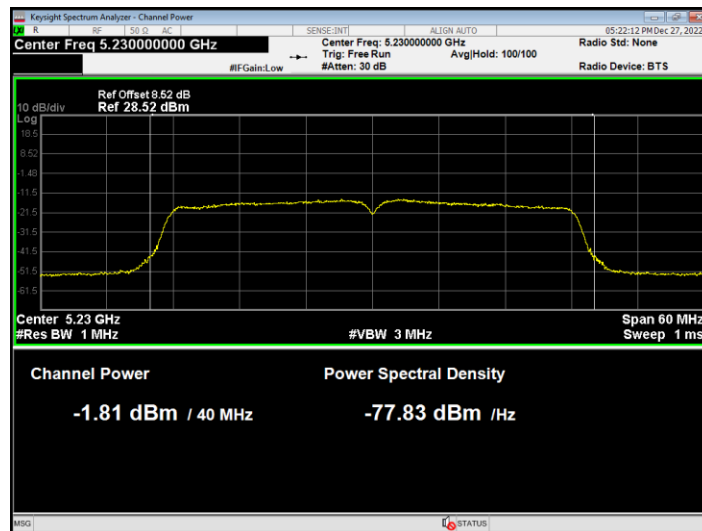
Power NVNT ax20 5240MHz Ant2



Power NVNT ax40 5190MHz Ant2



Power NVNT ax40 5230MHz Ant2



Power NVNT ax80 5210MHz Ant2

