Shenzhen Weichenshi Technology Co., Ltd

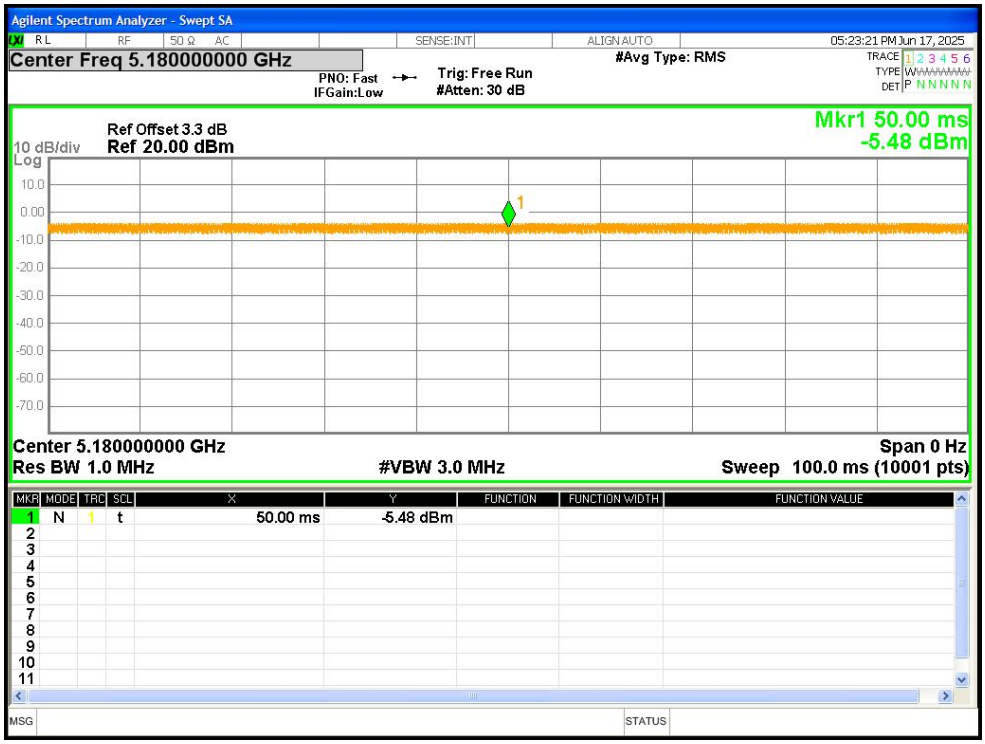
FCC ID: 2BQIE-KF58

Model:KF58

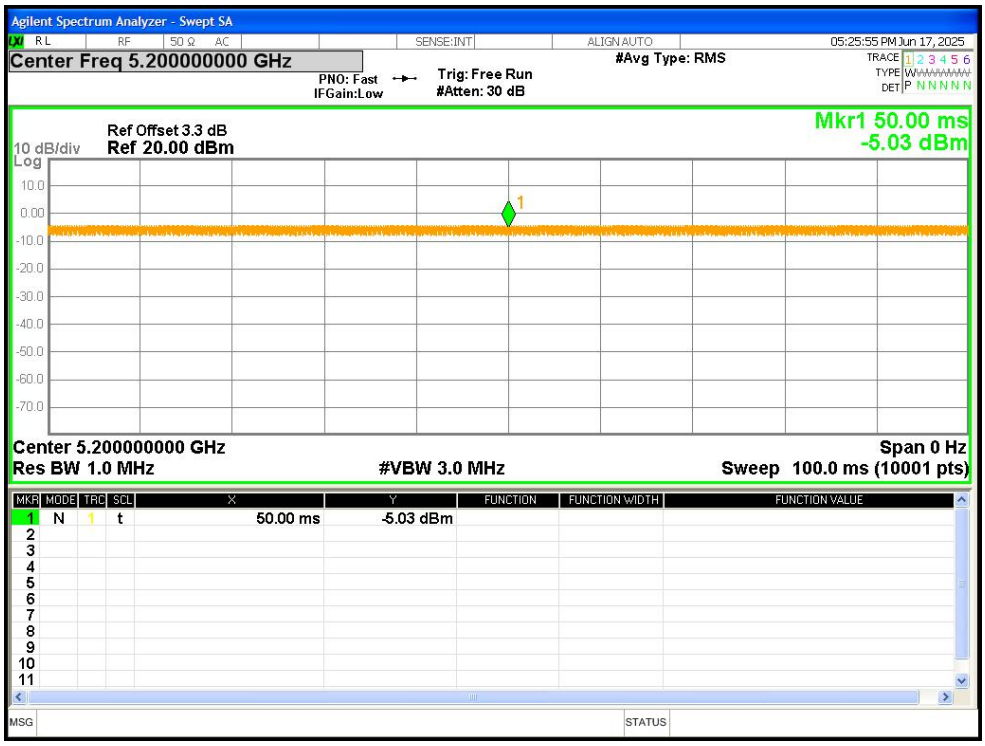
Test Data

1. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	100	0	0
NVNT	a	5200	Ant1	100	0	0
NVNT	a	5240	Ant1	100	0	0
NVNT	n20	5180	Ant1	100	0	0
NVNT	n20	5200	Ant1	100	0	0
NVNT	n20	5240	Ant1	100	0	0
NVNT	n40	5190	Ant1	100	0	0
NVNT	n40	5230	Ant1	100	0	0
NVNT	ac20	5180	Ant1	100	0	0
NVNT	ac20	5200	Ant1	100	0	0
NVNT	ac20	5240	Ant1	100	0	0
NVNT	ac40	5190	Ant1	100	0	0
NVNT	ac40	5230	Ant1	100	0	0
NVNT	ac80	5210	Ant1	100	0	0

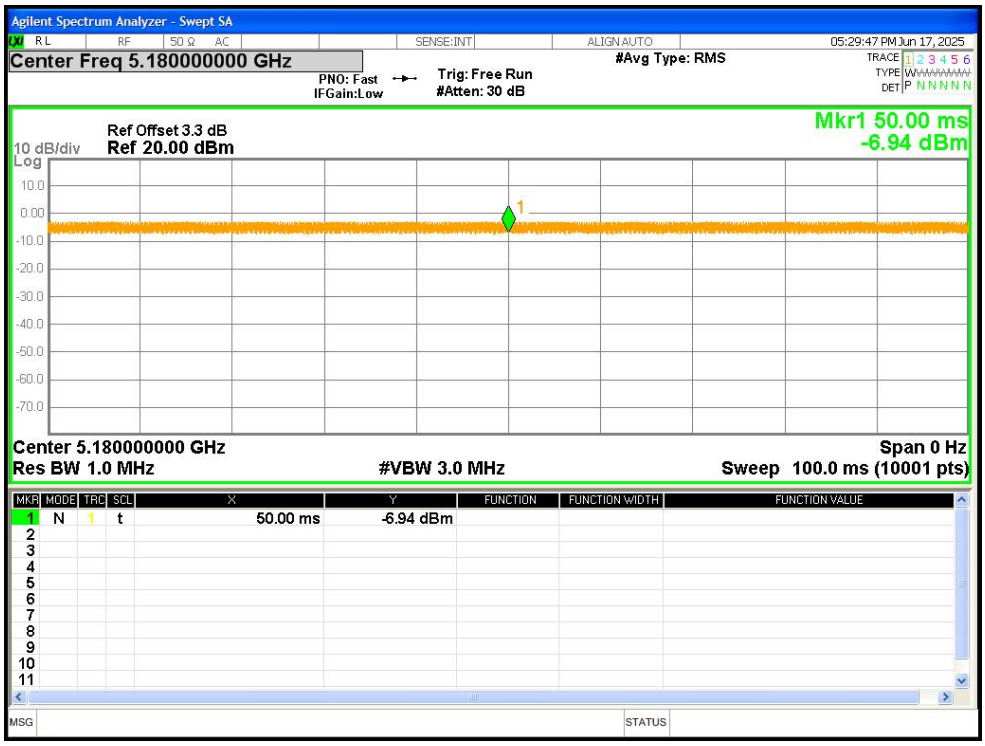


Duty Cycle NVNT a 5180MHz Ant1

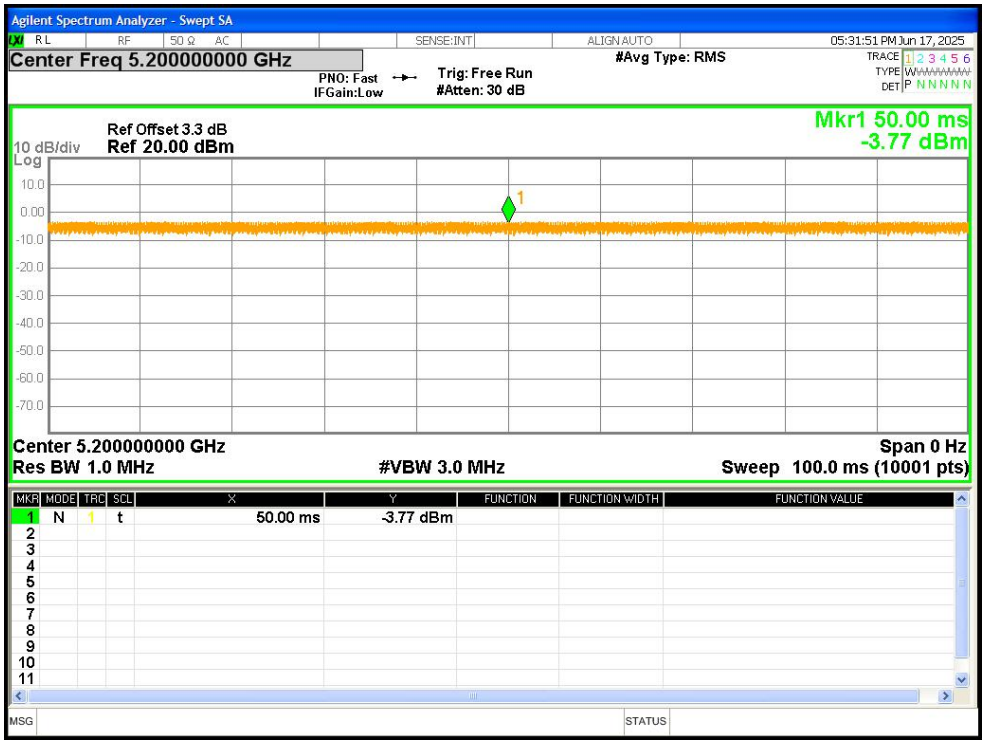


Duty Cycle NVNT a 5200MHz Ant1

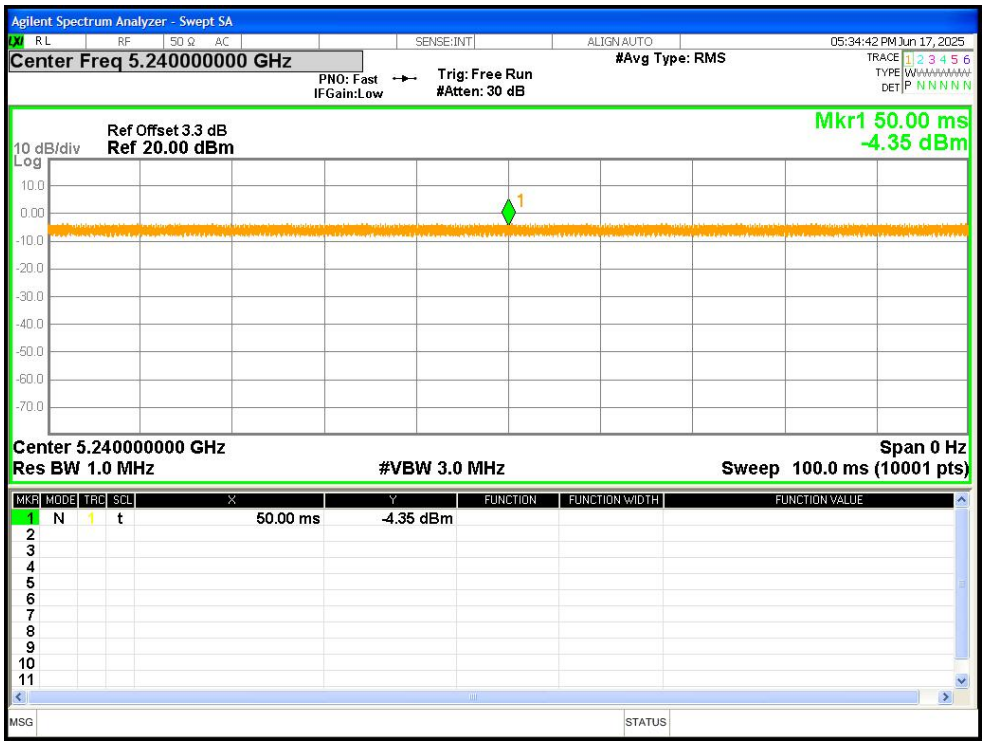
Duty Cycle NVNT a 5240MHz Ant1



Duty Cycle NVNT n20 5180MHz Ant1



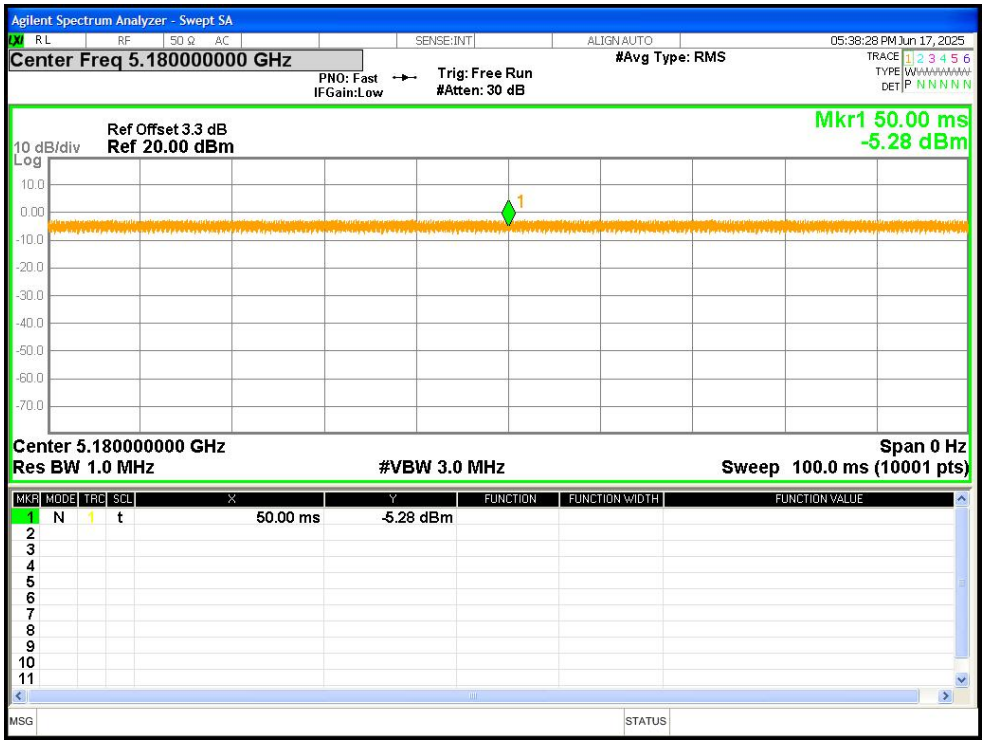
Duty Cycle NVNT n20 5200MHz Ant1



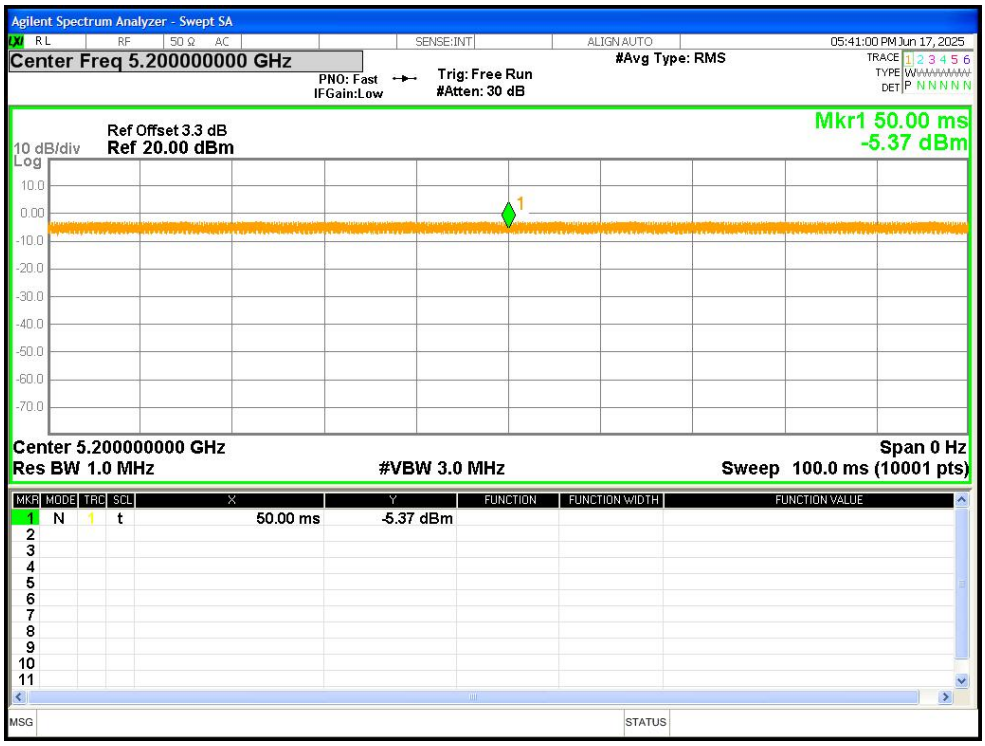
Duty Cycle NVNT n20 5240MHz Ant1

Duty Cycle NVNT n40 5190MHz Ant1

Duty Cycle NVNT n40 5230MHz Ant1



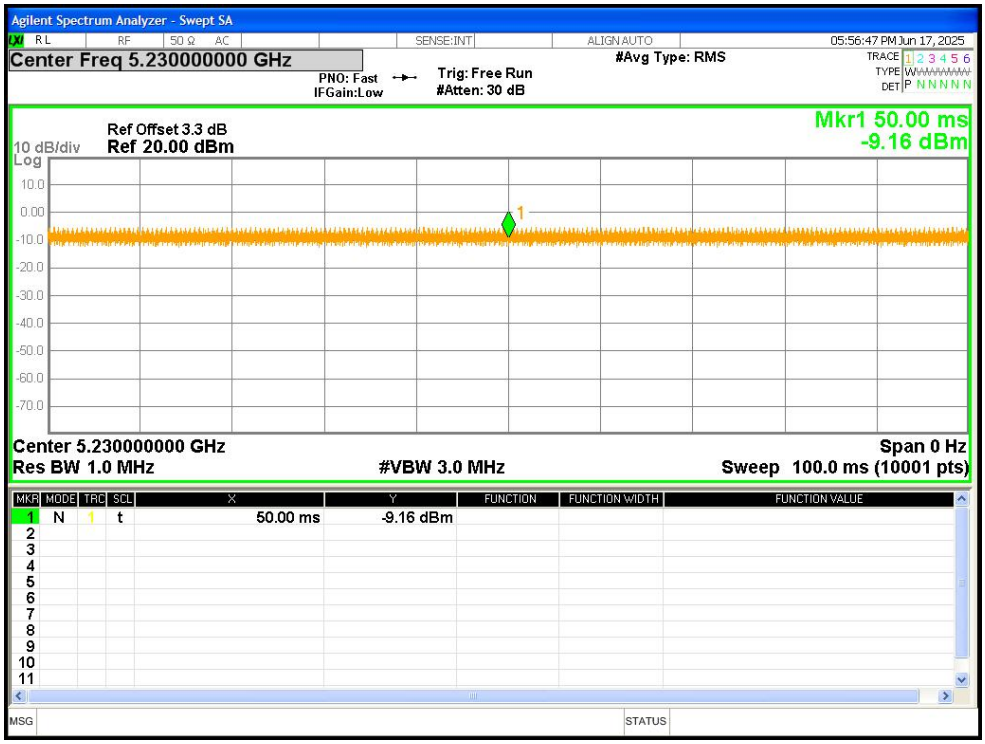
Duty Cycle NVNT ac20 5180MHz Ant1



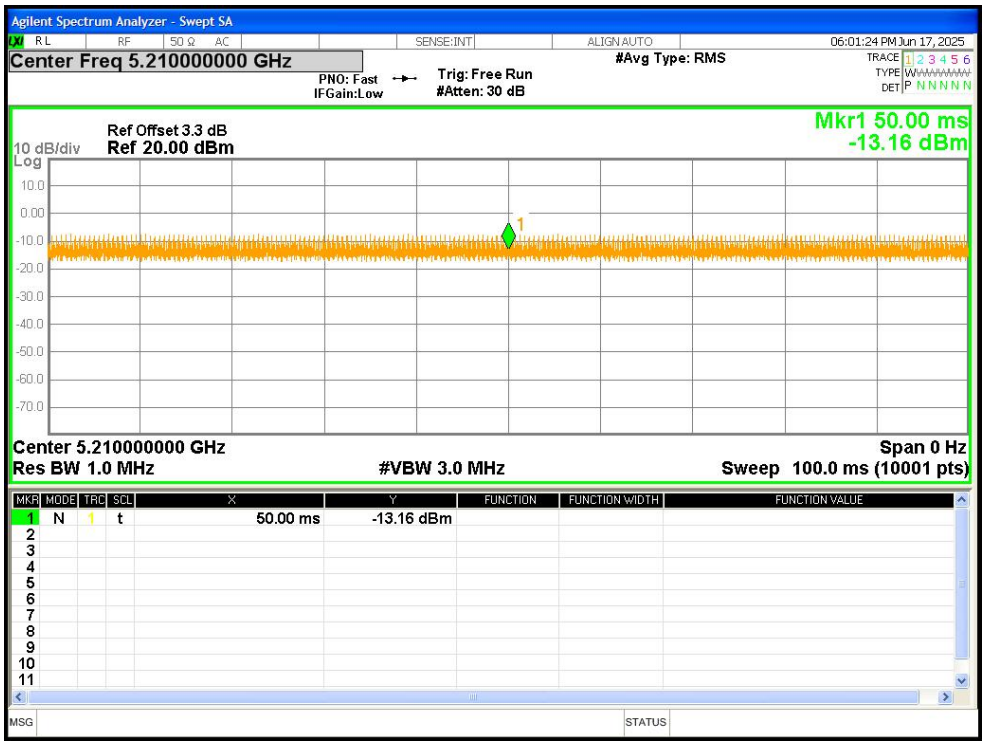
Duty Cycle NVNT ac20 5200MHz Ant1

Duty Cycle NVNT ac20 5240MHz Ant1

Duty Cycle NVNT ac40 5190MHz Ant1



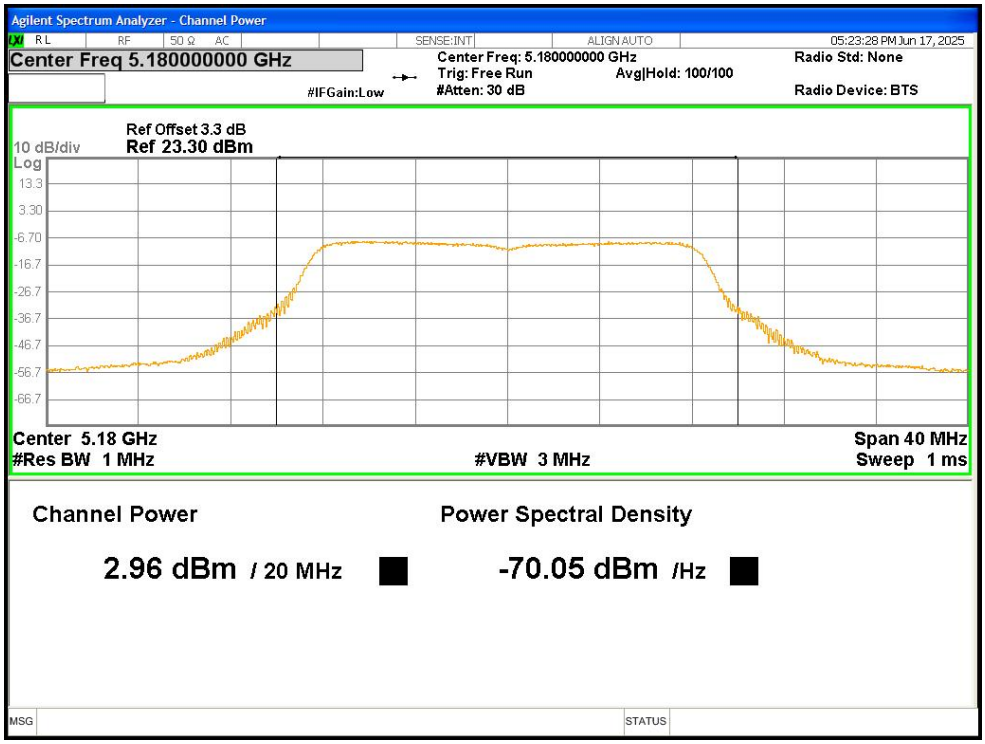
Duty Cycle NVNT ac40 5230MHz Ant1



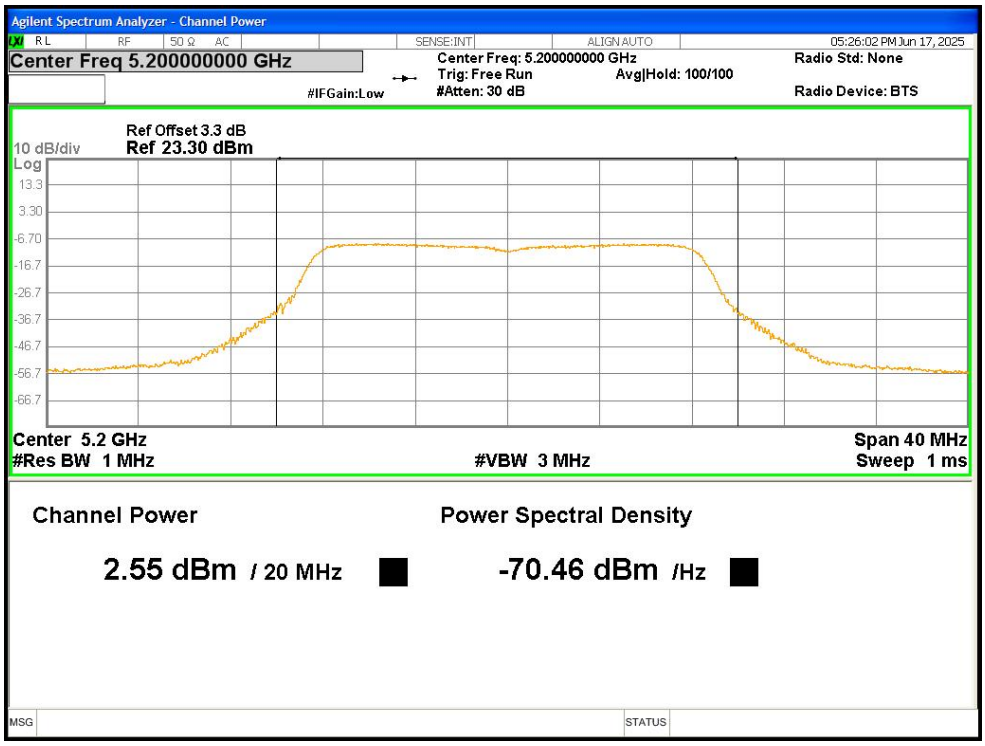
Duty Cycle NVNT ac80 5210MHz Ant1

2. Maximum Conducted Output Power

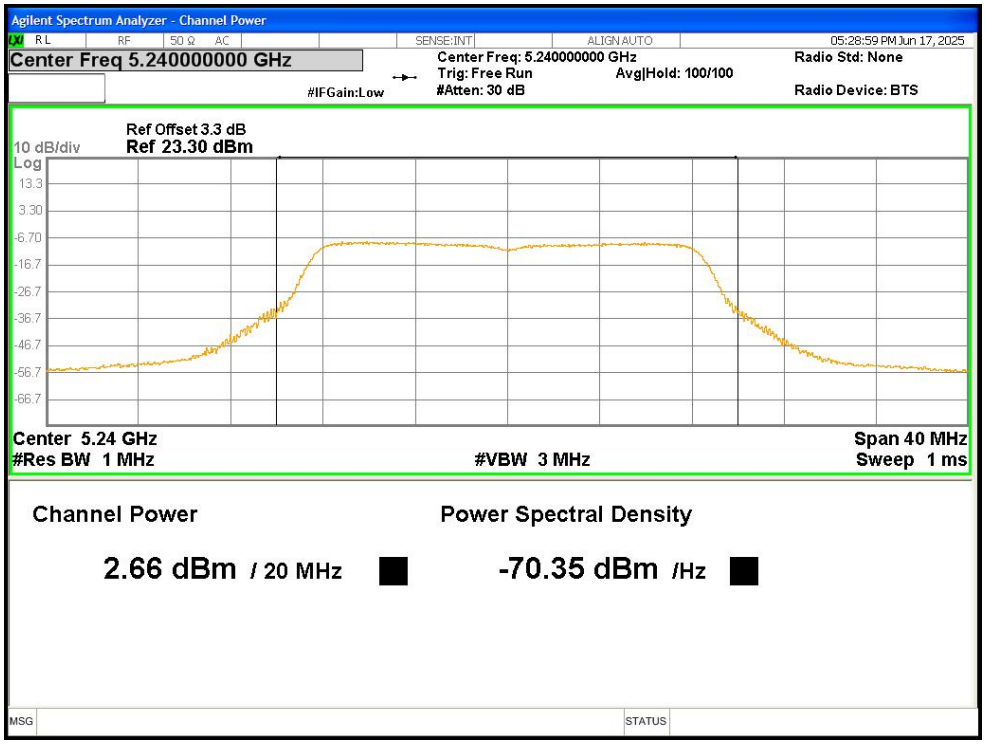
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	2.96	0	2.96	24	Pass
NVNT	a	5200	Ant1	2.55	0	2.55	24	Pass
NVNT	a	5240	Ant1	2.66	0	2.66	24	Pass
NVNT	n20	5180	Ant1	3.37	0	3.37	24	Pass
NVNT	n20	5200	Ant1	2.86	0	2.86	24	Pass
NVNT	n20	5240	Ant1	2.41	0	2.41	24	Pass
NVNT	n40	5190	Ant1	2.62	0	2.62	24	Pass
NVNT	n40	5230	Ant1	3.37	0	3.37	24	Pass
NVNT	ac20	5180	Ant1	3.76	0	**3.76**	24	Pass
NVNT	ac20	5200	Ant1	3.41	0	3.41	24	Pass
NVNT	ac20	5240	Ant1	2.68	0	2.68	24	Pass
NVNT	ac40	5190	Ant1	2.78	0	2.78	24	Pass
NVNT	ac40	5230	Ant1	2.6	0	2.6	24	Pass
NVNT	ac80	5210	Ant1	2.85	0	2.85	24	Pass



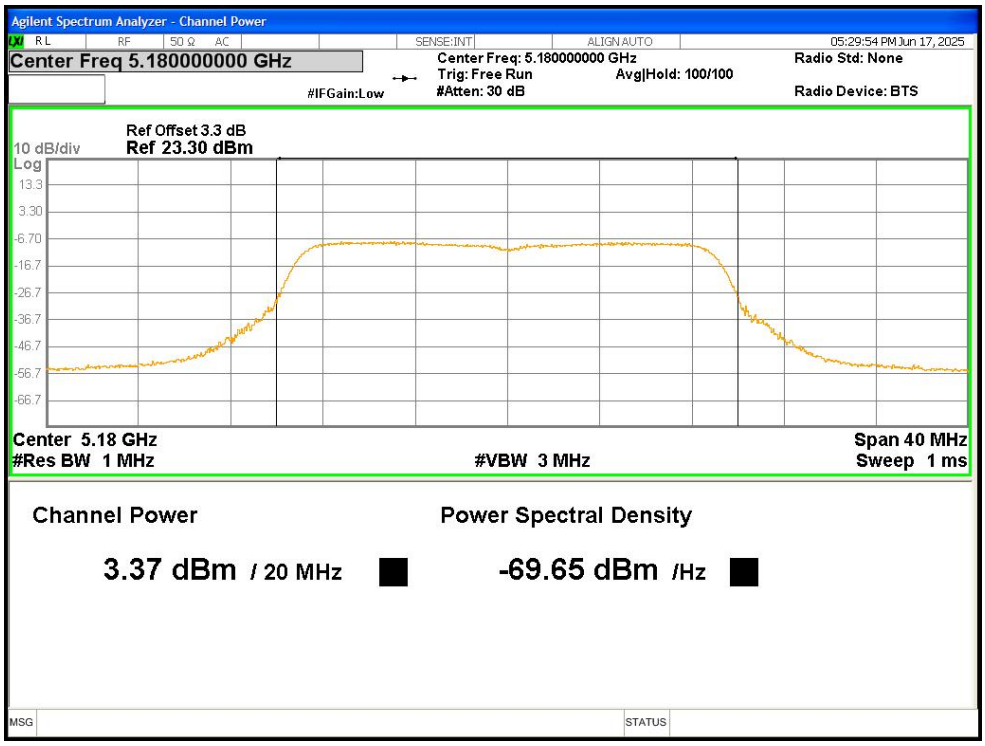
Power NVNT a 5180MHz Ant1



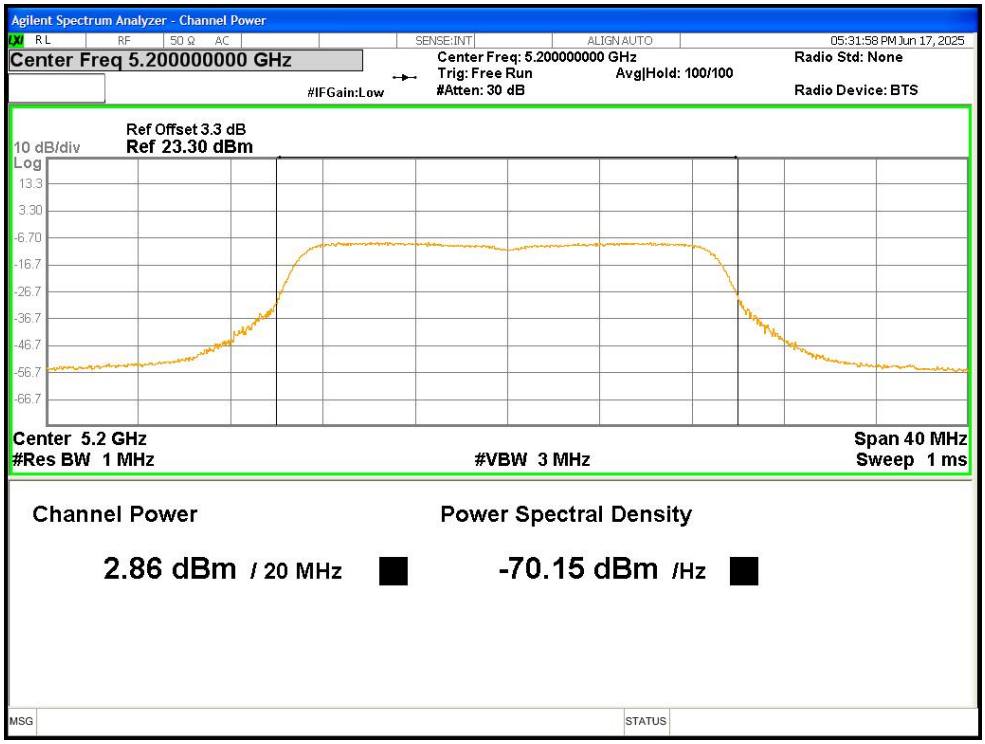
Power NVNT a 5200MHz Ant1



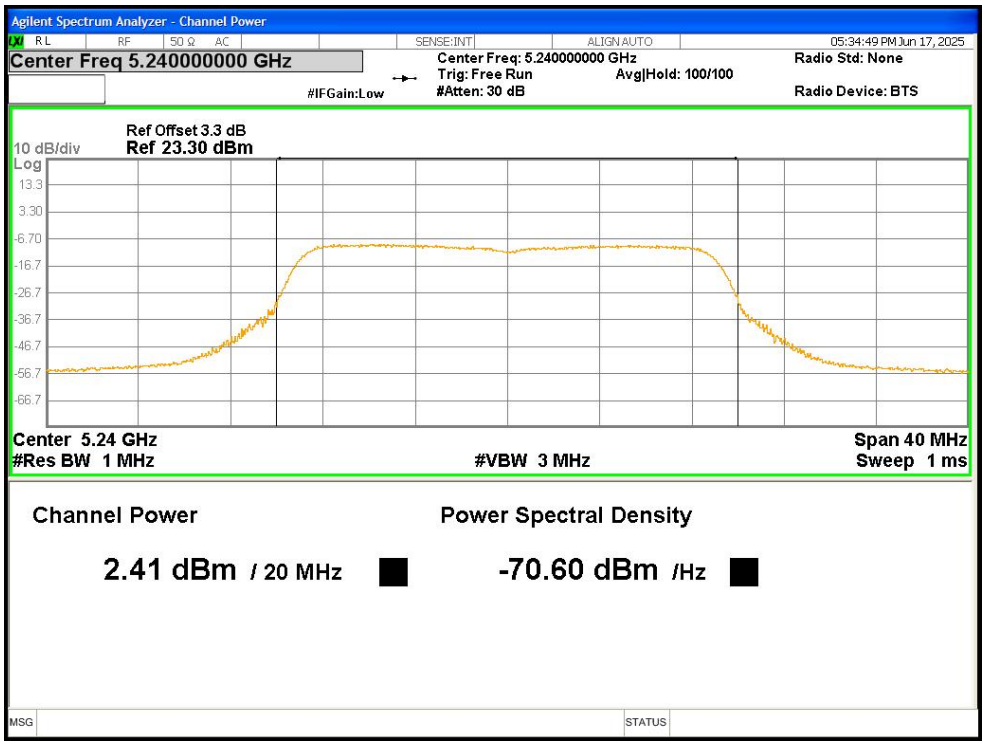
Power NVNT a 5240MHz Ant1



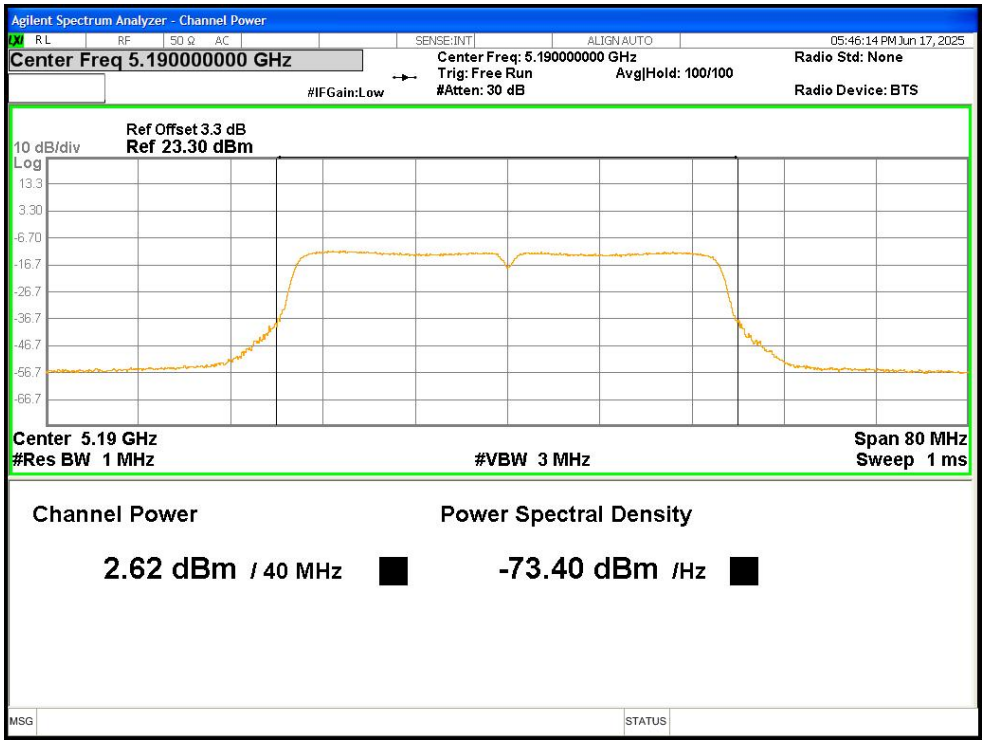
Power NVNT n20 5180MHz Ant1



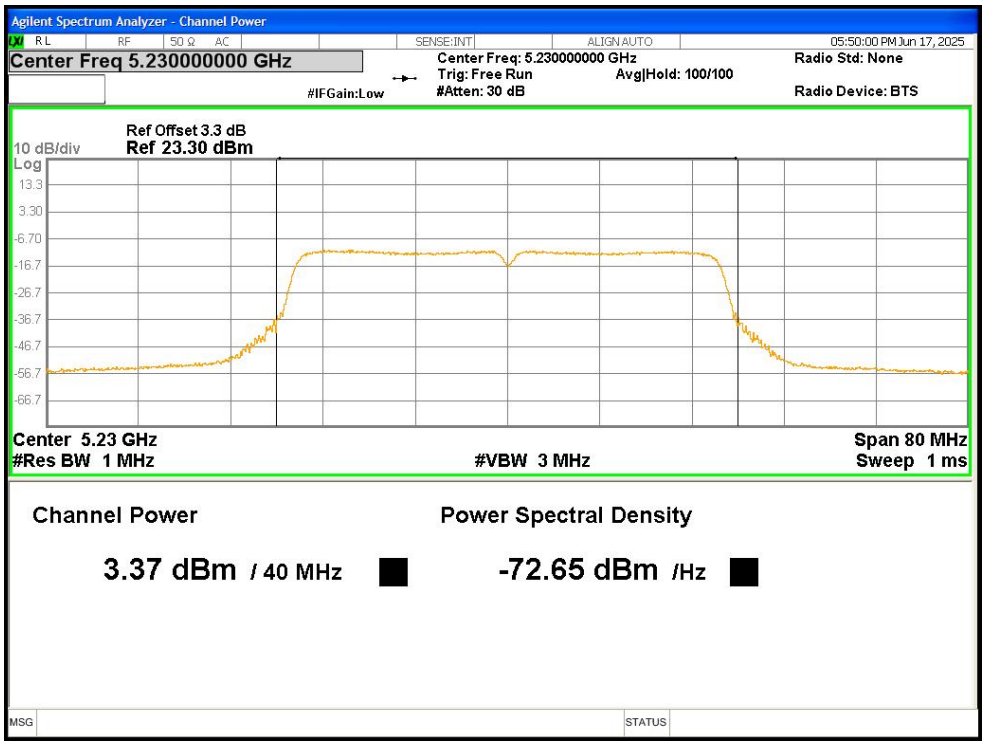
Power NVNT n20 5200MHz Ant1



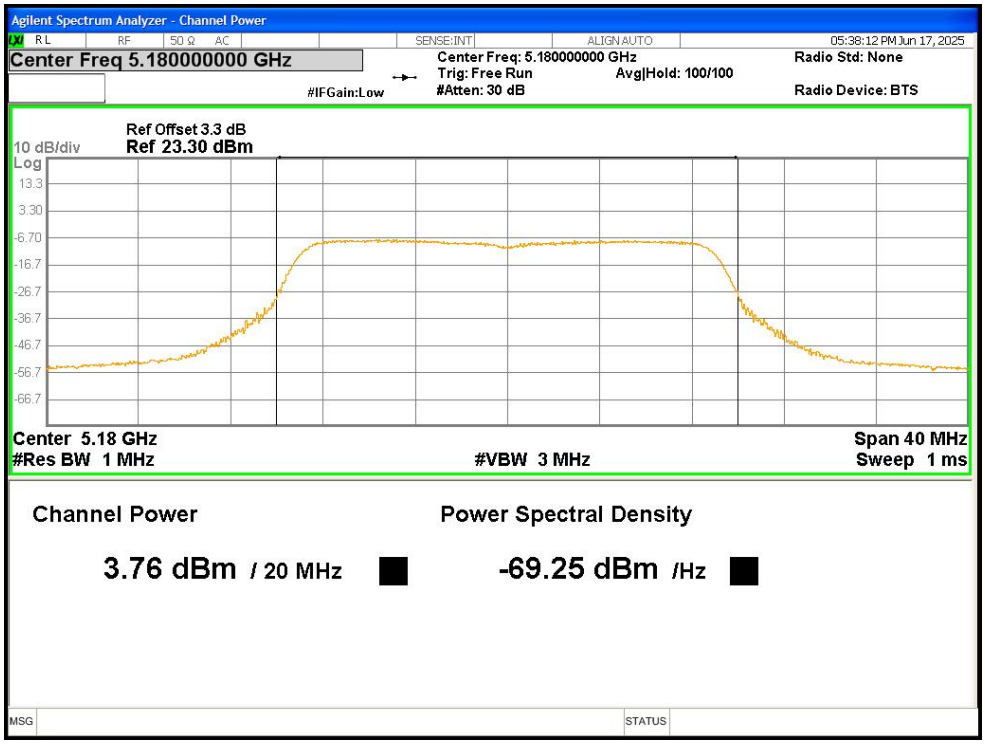
Power NVNT n20 5240MHz Ant1



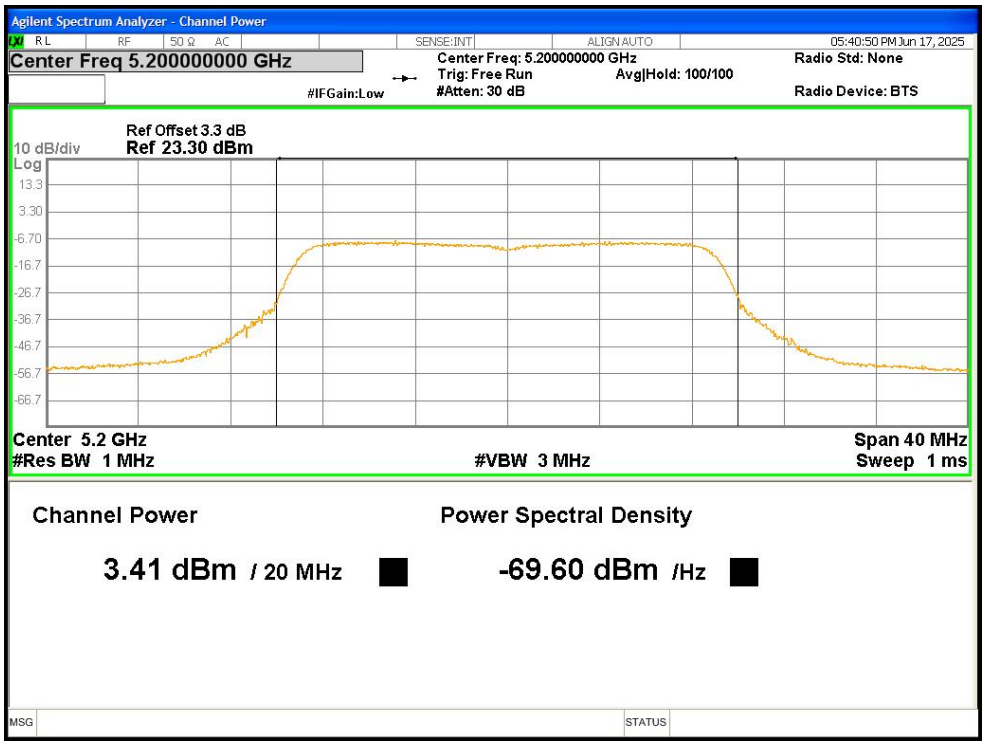
Power NVNT n40 5190MHz Ant1



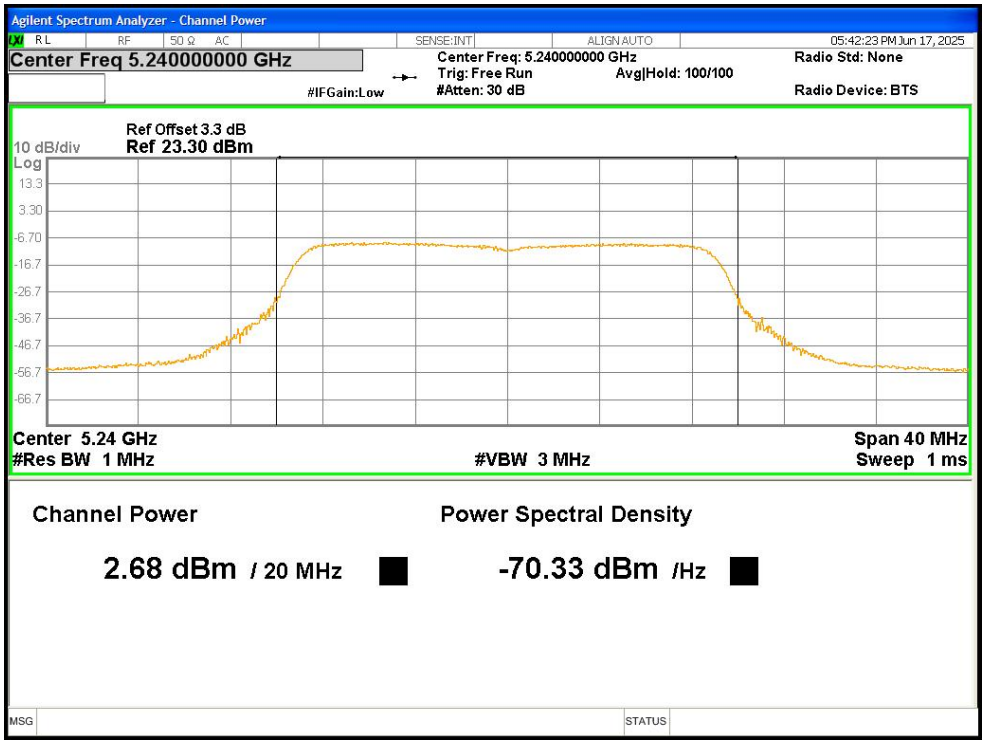
Power NVNT n40 5230MHz Ant1



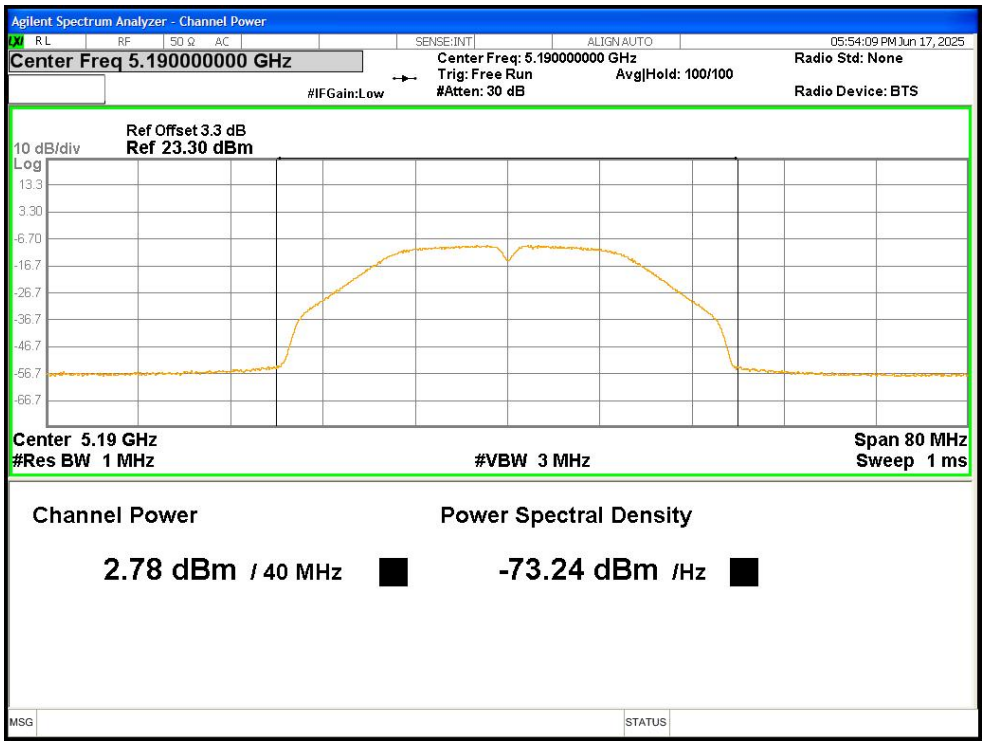
Power NVNT ac20 5180MHz Ant1



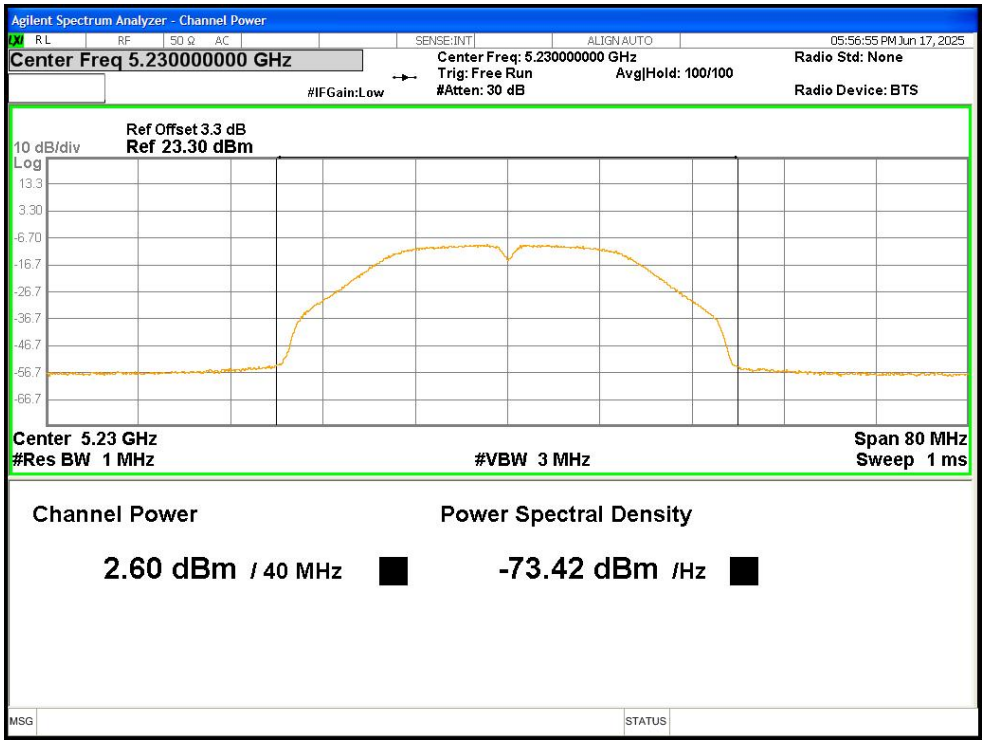
Power NVNT ac20 5200MHz Ant1



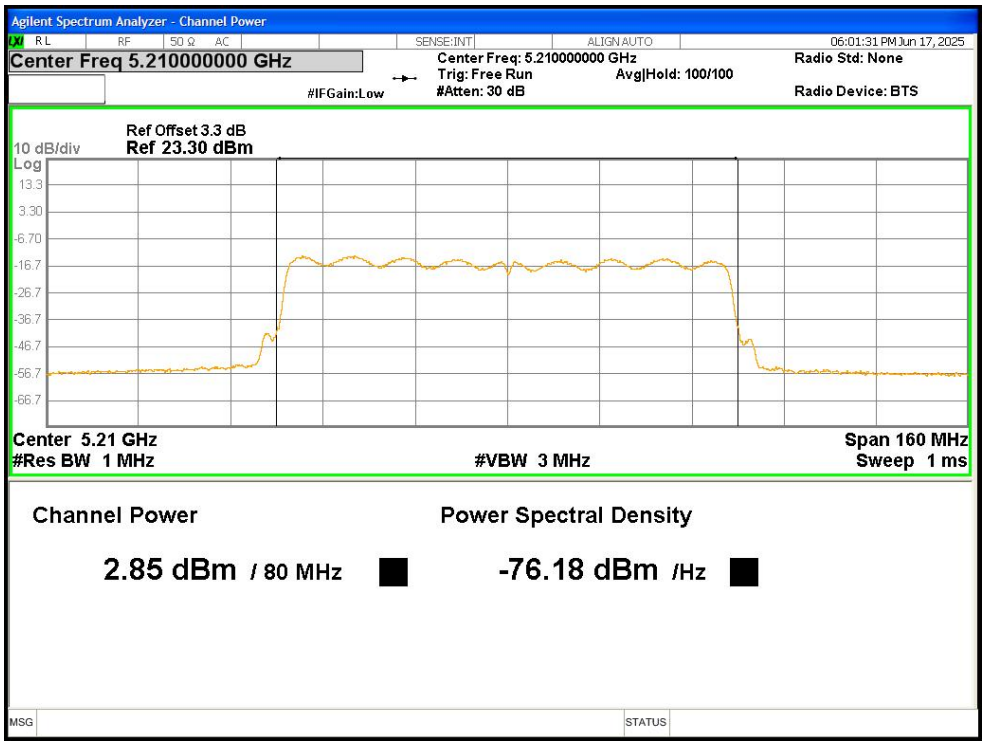
Power NVNT ac20 5240MHz Ant1



Power NVNT ac40 5190MHz Ant1



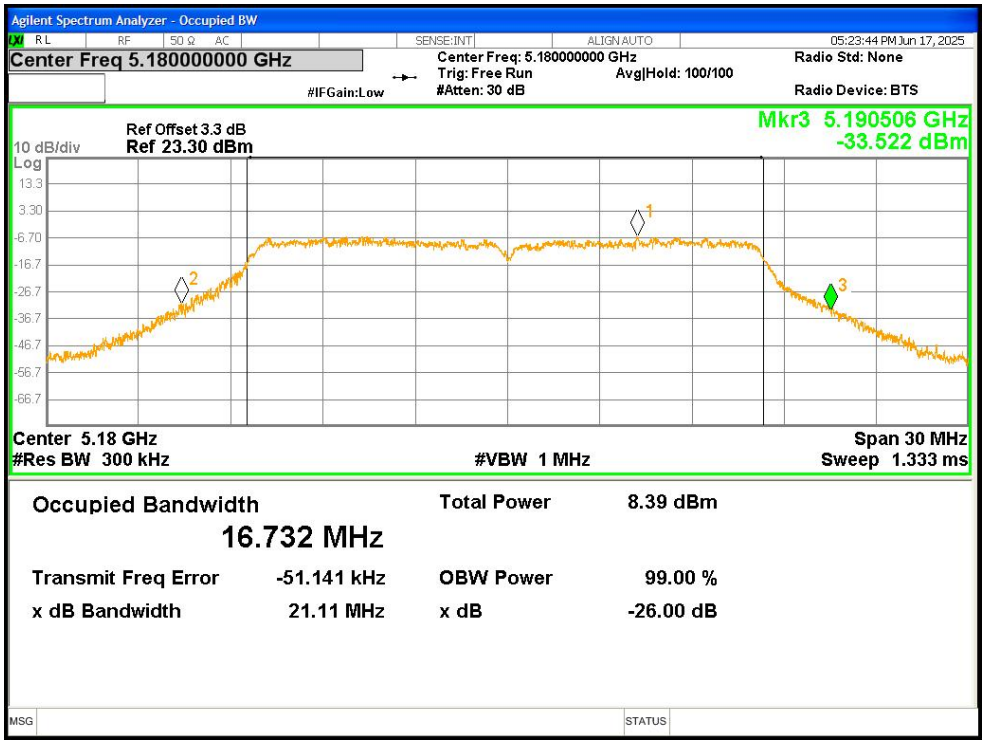
Power NVNT ac40 5230MHz Ant1



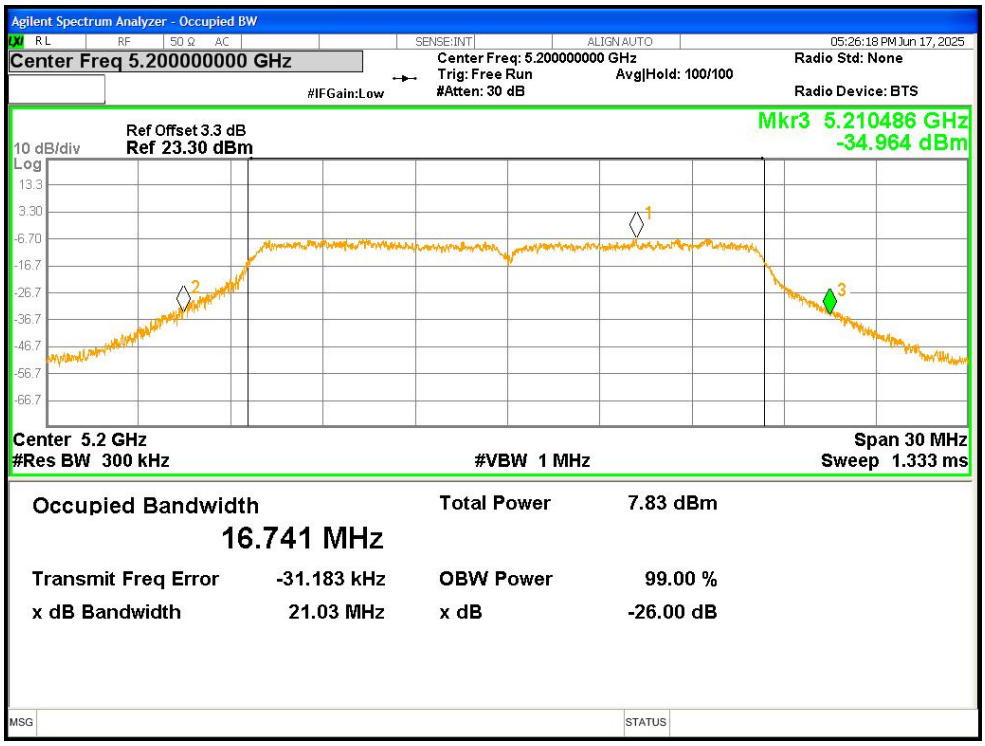
Power NVNT ac80 5210MHz Ant1

3. -26dB Bandwidth

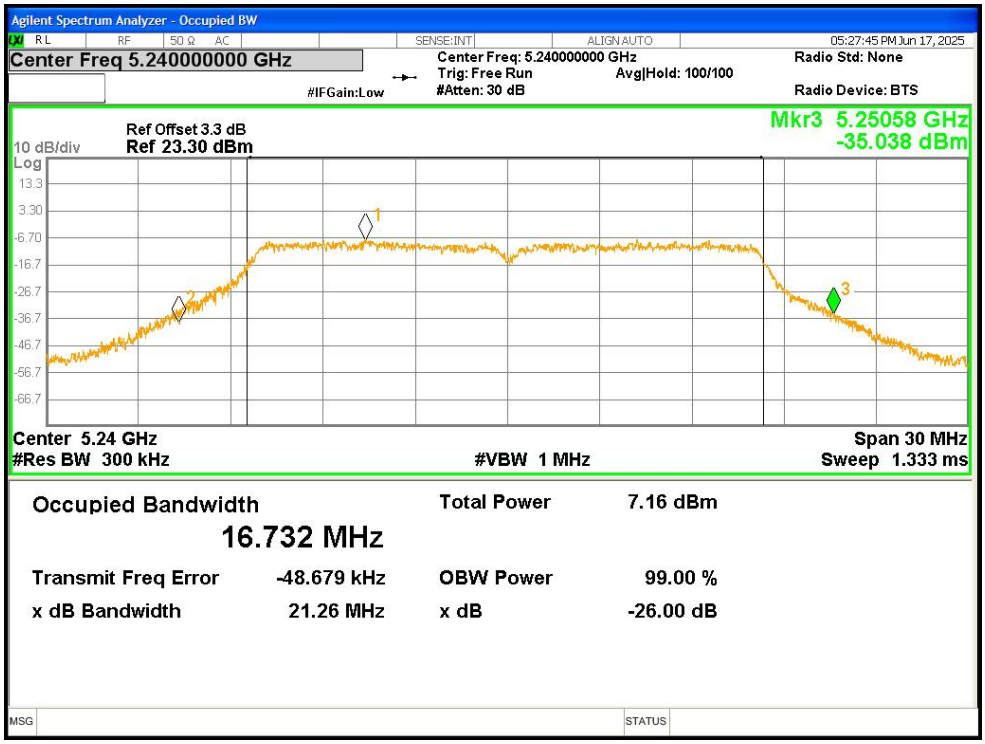
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	21.115	Pass
NVNT	a	5200	Ant1	21.034	Pass
NVNT	a	5240	Ant1	21.257	Pass
NVNT	n20	5180	Ant1	21.388	Pass
NVNT	n20	5200	Ant1	21.743	Pass
NVNT	n20	5240	Ant1	21.716	Pass
NVNT	n40	5190	Ant1	41.947	Pass
NVNT	n40	5230	Ant1	42.419	Pass
NVNT	ac20	5180	Ant1	21.663	Pass
NVNT	ac20	5200	Ant1	21.682	Pass
NVNT	ac20	5240	Ant1	21.6	Pass
NVNT	ac40	5190	Ant1	41.722	Pass
NVNT	ac40	5230	Ant1	42.248	Pass
NVNT	ac80	5210	Ant1	82.828	Pass



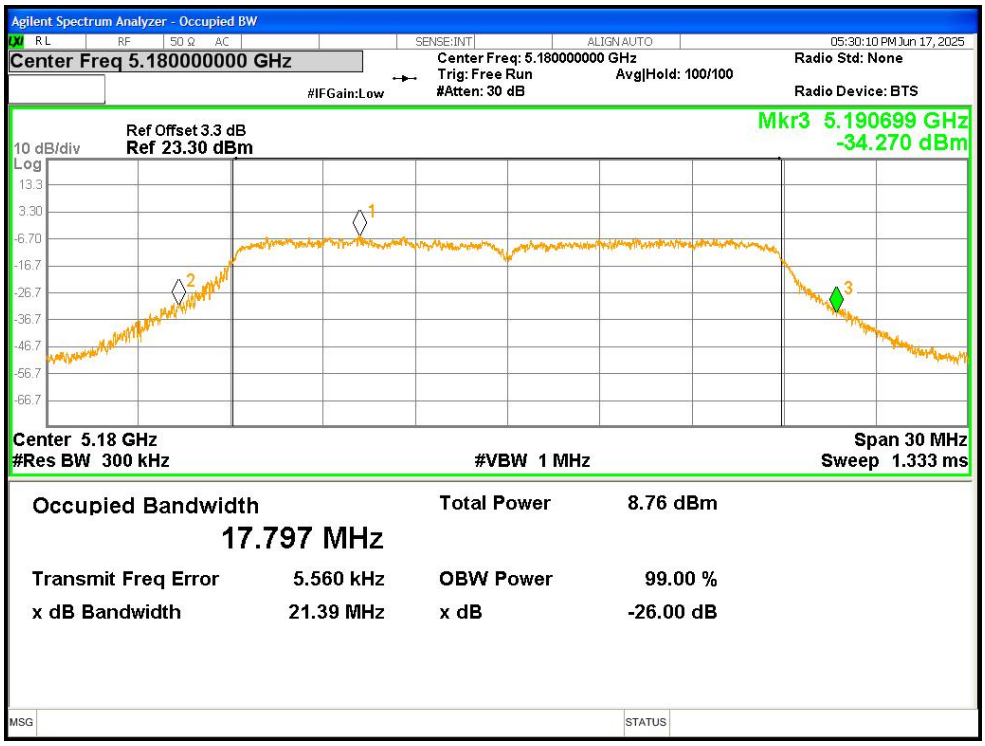
-26dB Bandwidth NVNT a 5180MHz Ant1



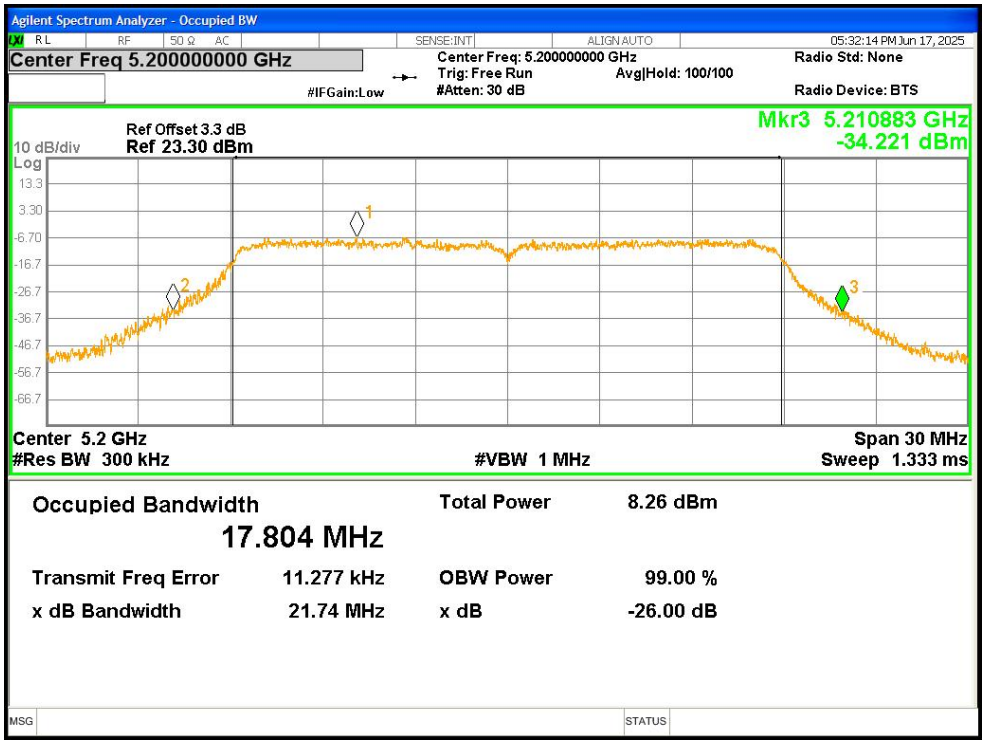
-26dB Bandwidth NVNT a 5200MHz Ant1



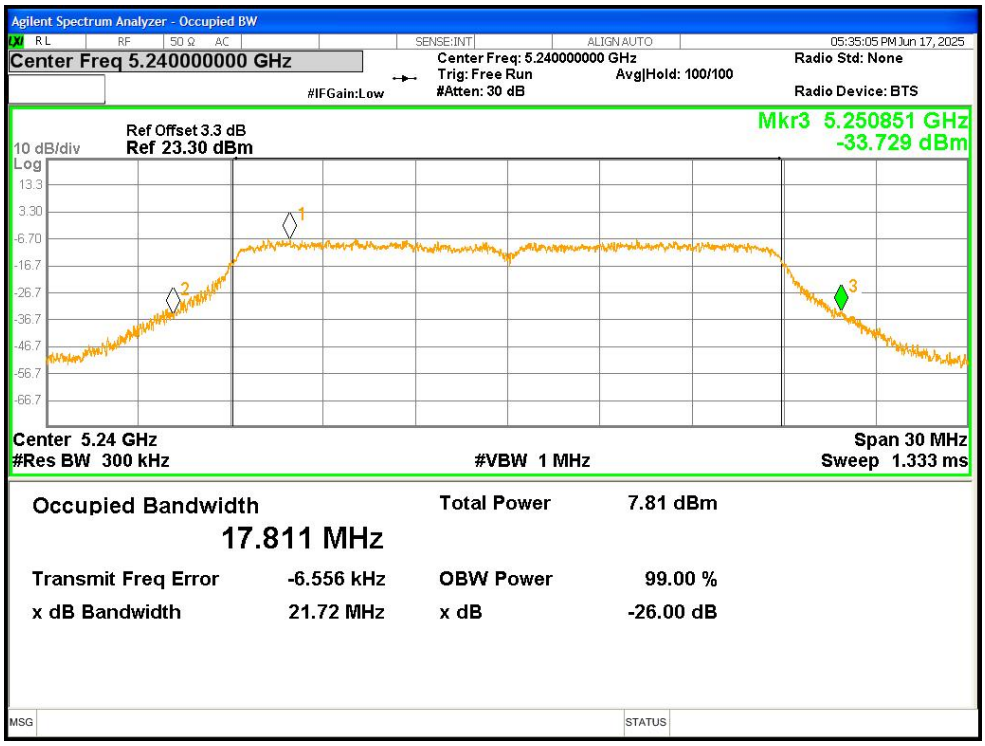
-26dB Bandwidth NVNT a 5240MHz Ant1



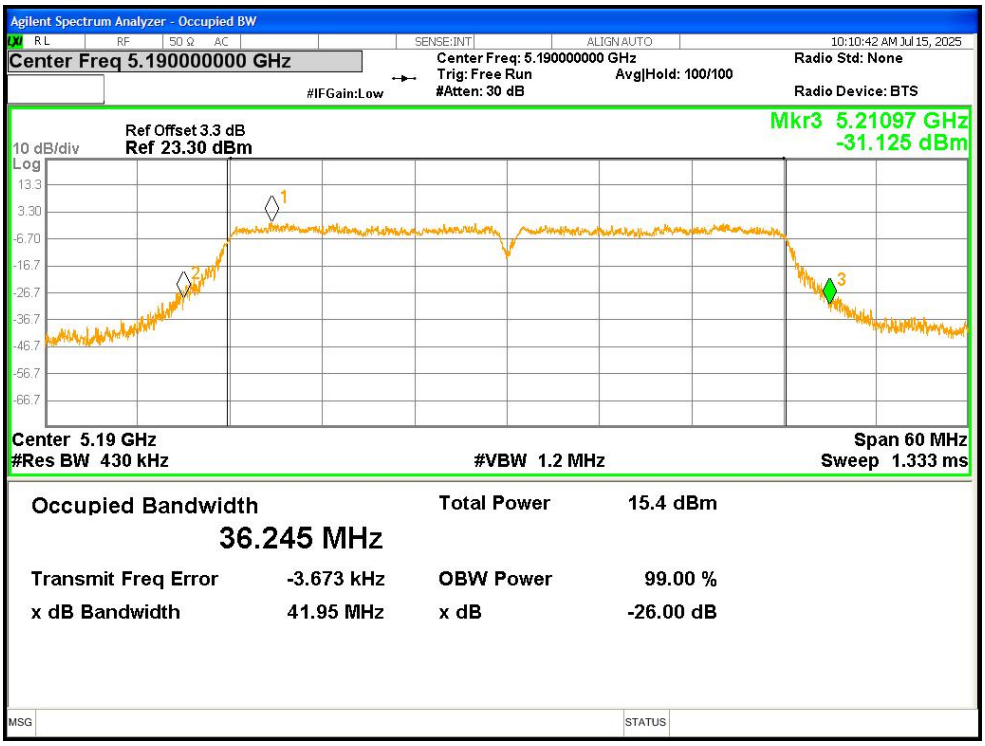
-26dB Bandwidth NVNT n20 5180MHz Ant1



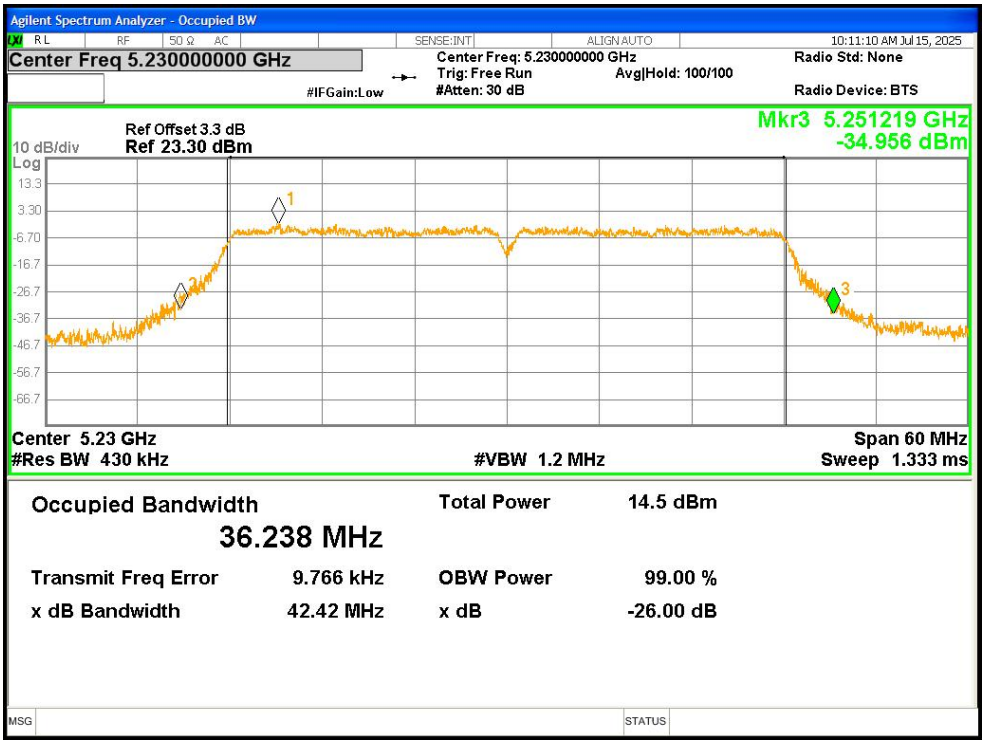
-26dB Bandwidth NVNT n20 5200MHz Ant1



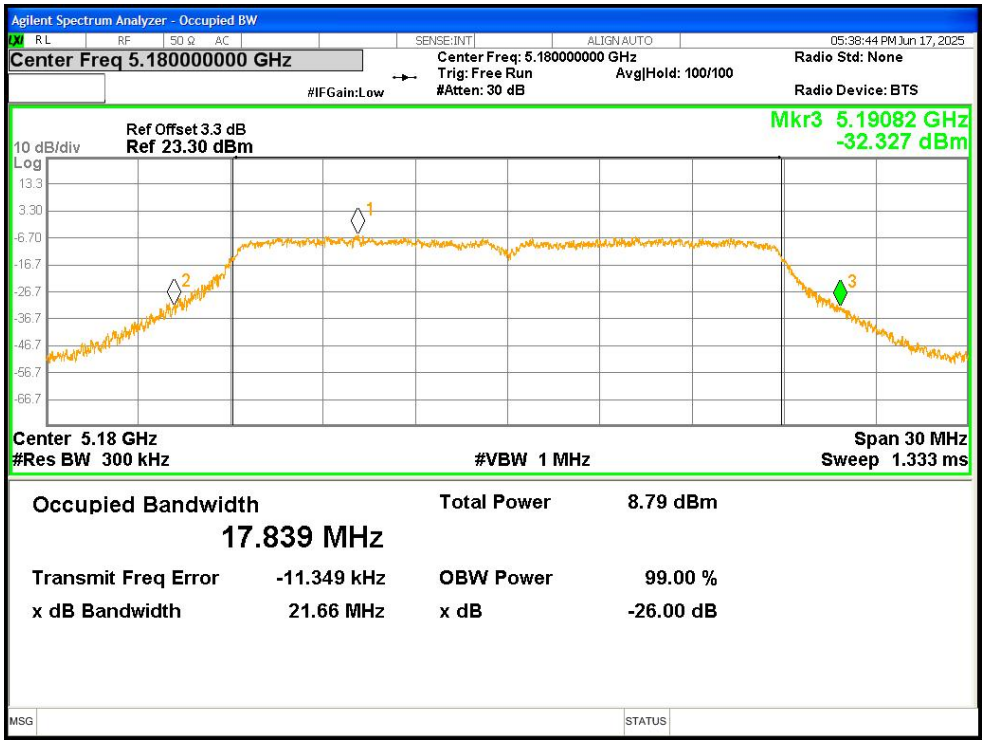
-26dB Bandwidth NVNT n20 5240MHz Ant1



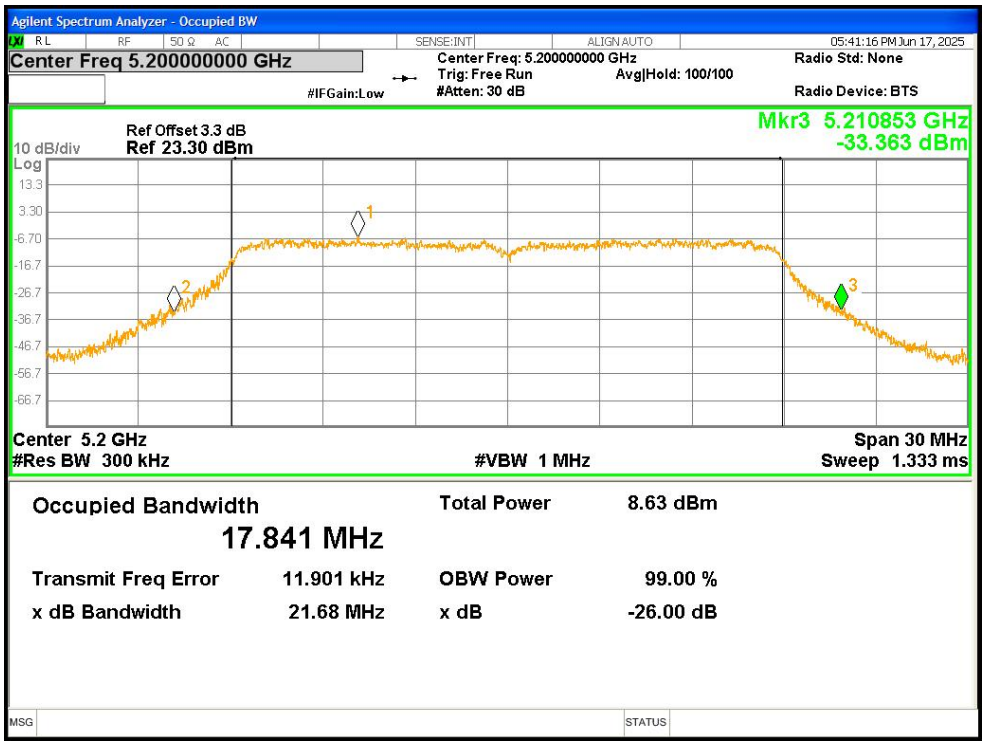
-26dB Bandwidth NVNT n40 5190MHz Ant1



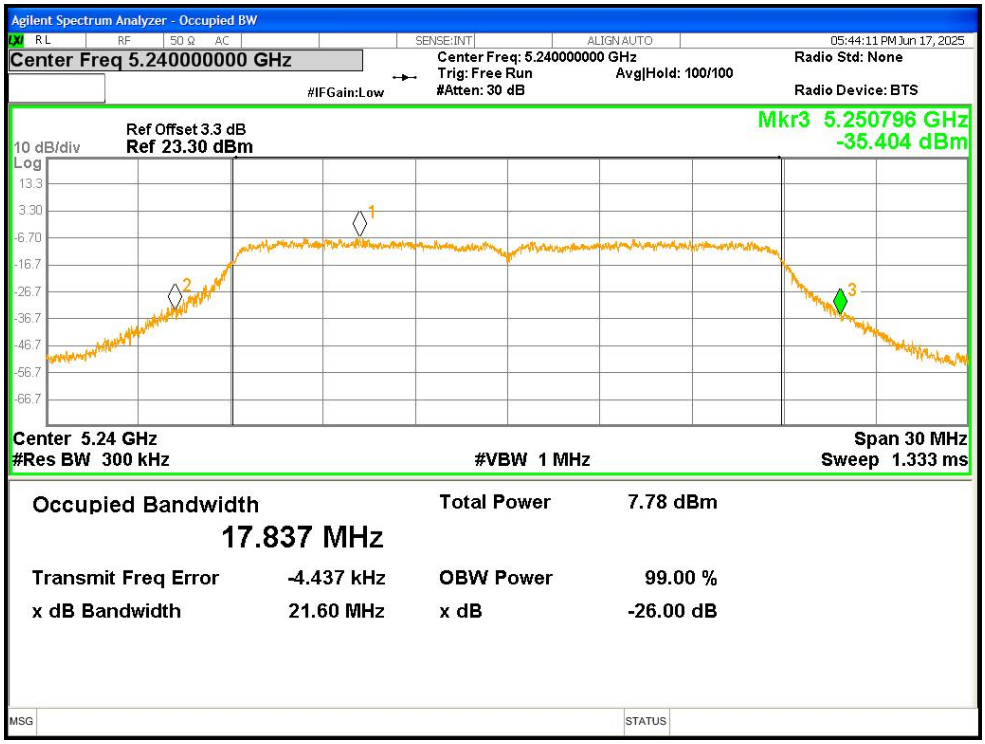
-26dB Bandwidth NVNT n40 5230MHz Ant1



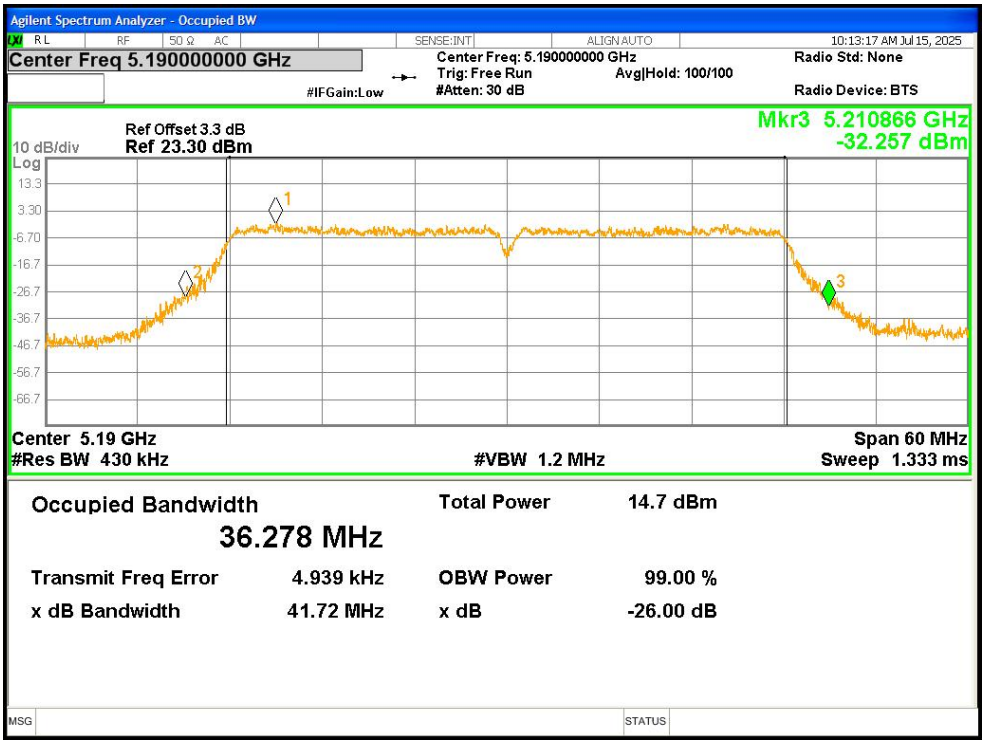
-26dB Bandwidth NVNT ac20 5180MHz Ant1



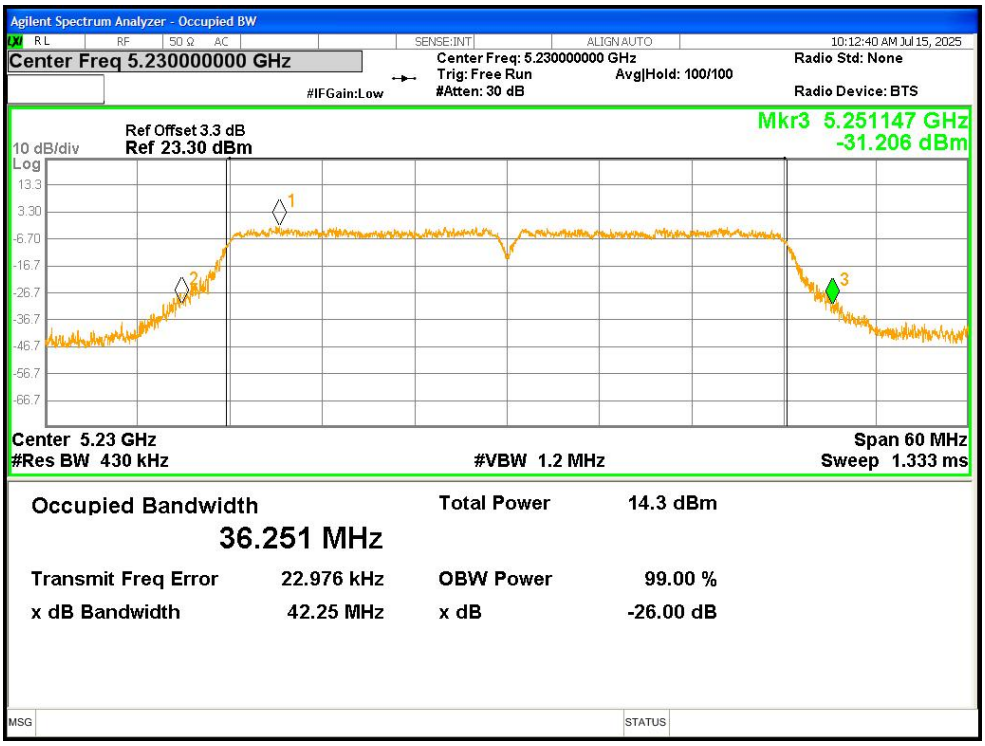
-26dB Bandwidth NVNT ac20 5200MHz Ant1



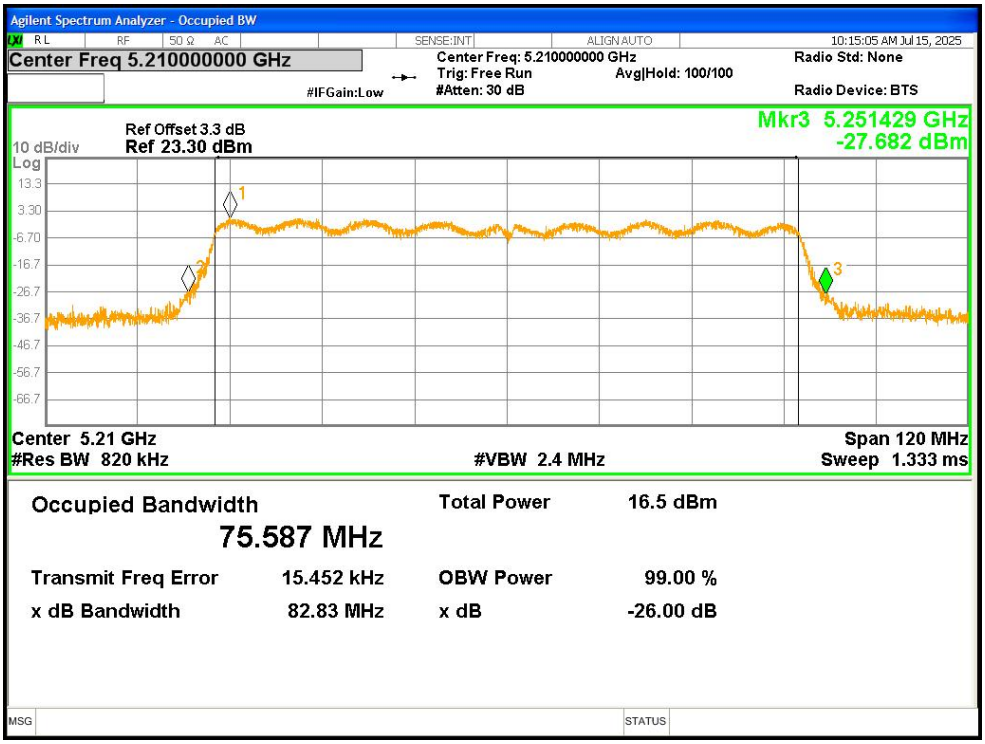
-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1

4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.556
NVNT	a	5200	Ant1	16.571
NVNT	a	5240	Ant1	16.537
NVNT	n20	5180	Ant1	17.69
NVNT	n20	5200	Ant1	17.696
NVNT	n20	5240	Ant1	17.675
NVNT	n40	5190	Ant1	36.283
NVNT	n40	5230	Ant1	36.256
NVNT	ac20	5180	Ant1	17.72
NVNT	ac20	5200	Ant1	17.732
NVNT	ac20	5240	Ant1	17.715
NVNT	ac40	5190	Ant1	26.559
NVNT	ac40	5230	Ant1	26.287
NVNT	ac80	5210	Ant1	75.599