

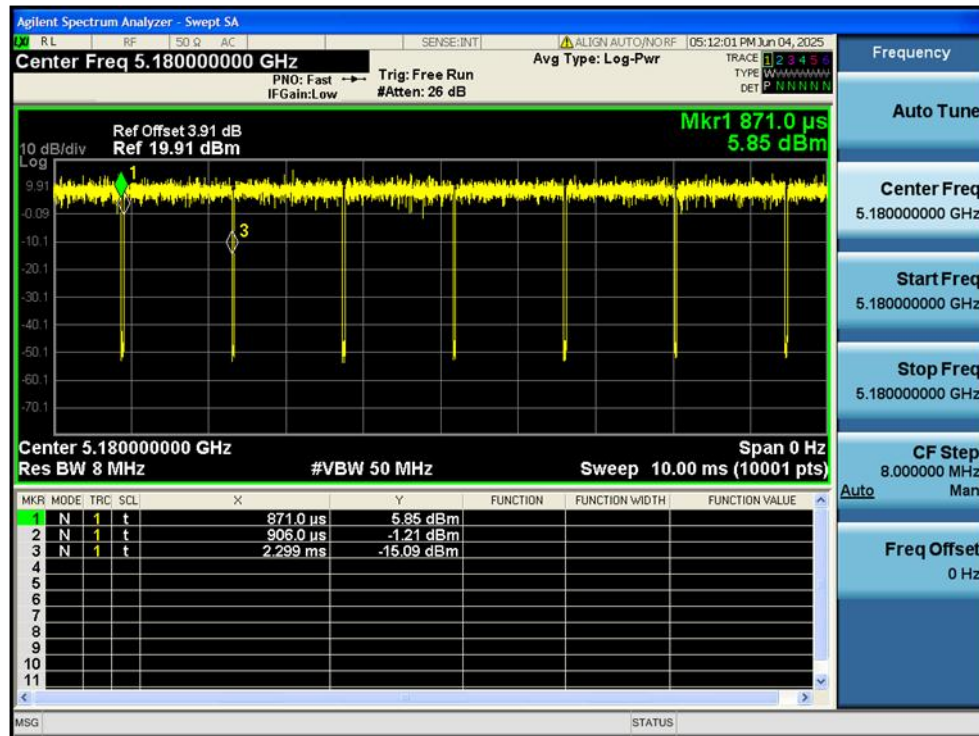
Appendix A_5GWIFI-ANT2

Duty Cycle

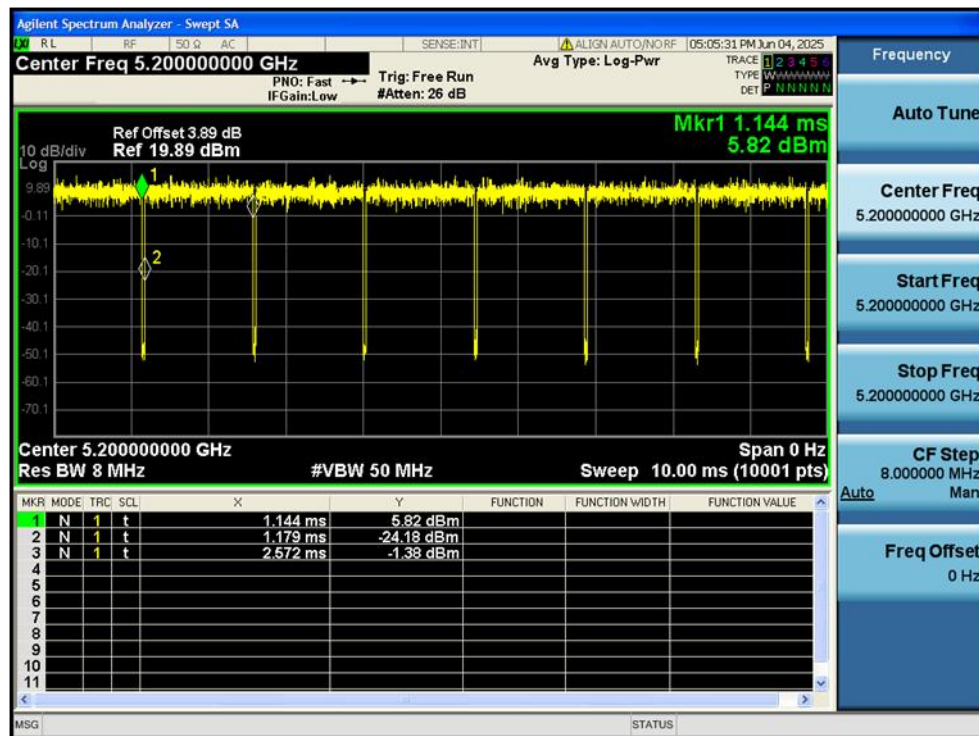
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.55	0.11	0.72
NVNT	a	5200	Ant1	97.55	0.11	0.72
NVNT	a	5240	Ant1	97.55	0.11	0.72
NVNT	a	5745	Ant1	97.48	0.11	0.72
NVNT	a	5785	Ant1	97.55	0.11	0.72
NVNT	a	5825	Ant1	97.55	0.11	0.72
NVNT	n20	5180	Ant1	100	0	0
NVNT	n20	5200	Ant1	100	0	0
NVNT	n20	5240	Ant1	100	0	0
NVNT	n20	5745	Ant1	100	0	0
NVNT	n20	5785	Ant1	100	0	0
NVNT	n20	5825	Ant1	100	0	0
NVNT	n40	5190	Ant1	100	0	0
NVNT	n40	5230	Ant1	100	0	0
NVNT	n40	5755	Ant1	100	0	0
NVNT	n40	5795	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	ac20	5745	Ant1	100	0	0
NVNT	ac20	5785	Ant1	100	0	0
NVNT	ac20	5825	Ant1	100	0	0
NVNT	ac40	5190	Ant1	100	0	0
NVNT	ac40	5230	Ant1	100	0	0
NVNT	ac40	5755	Ant1	100	0	0
NVNT	ac40	5795	Ant1	100	0	0
NVNT	ac80	5210	Ant1	100	0	0
NVNT	ac80	5775	Ant1	100	0	0

Test Graphs

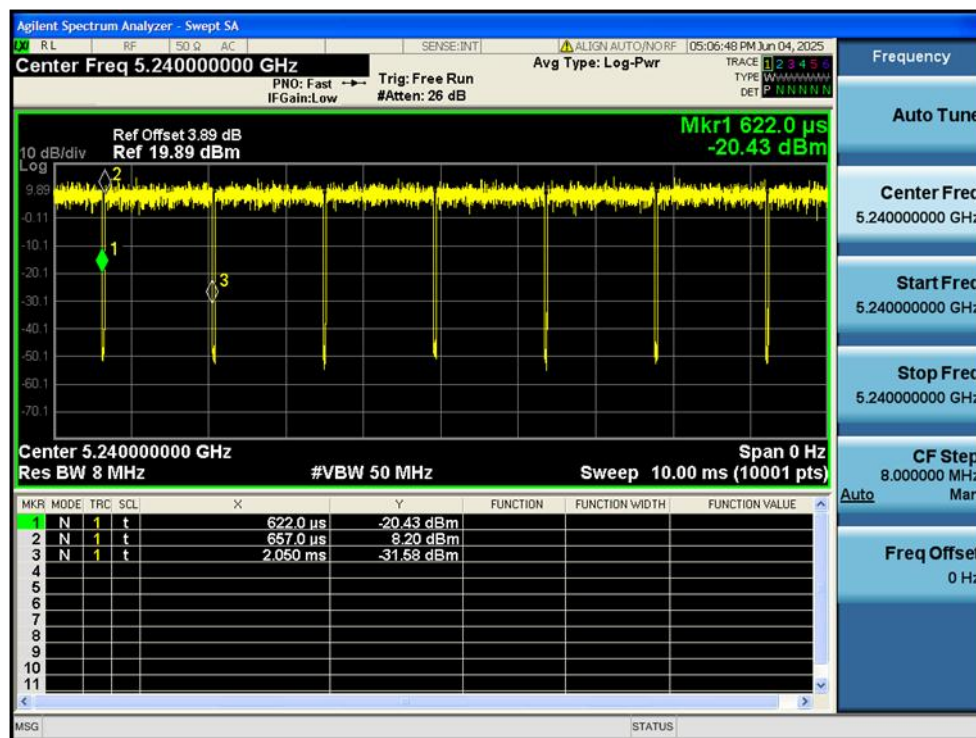
Duty Cycle NVNT a 5180MHz Ant1



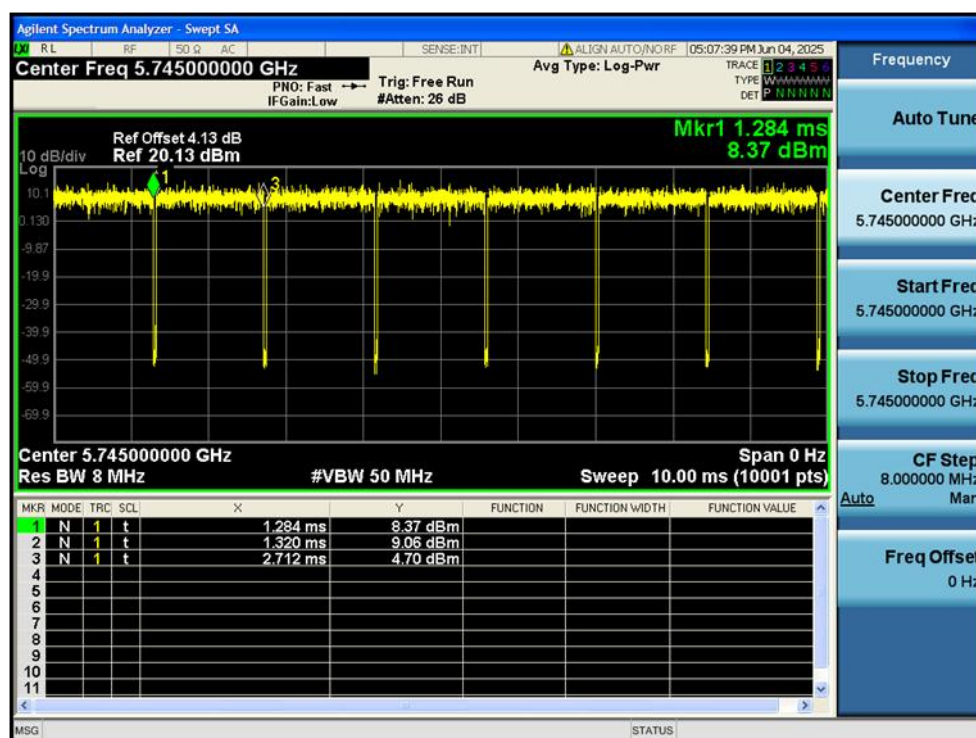
Duty Cycle NVNT a 5200MHz Ant1



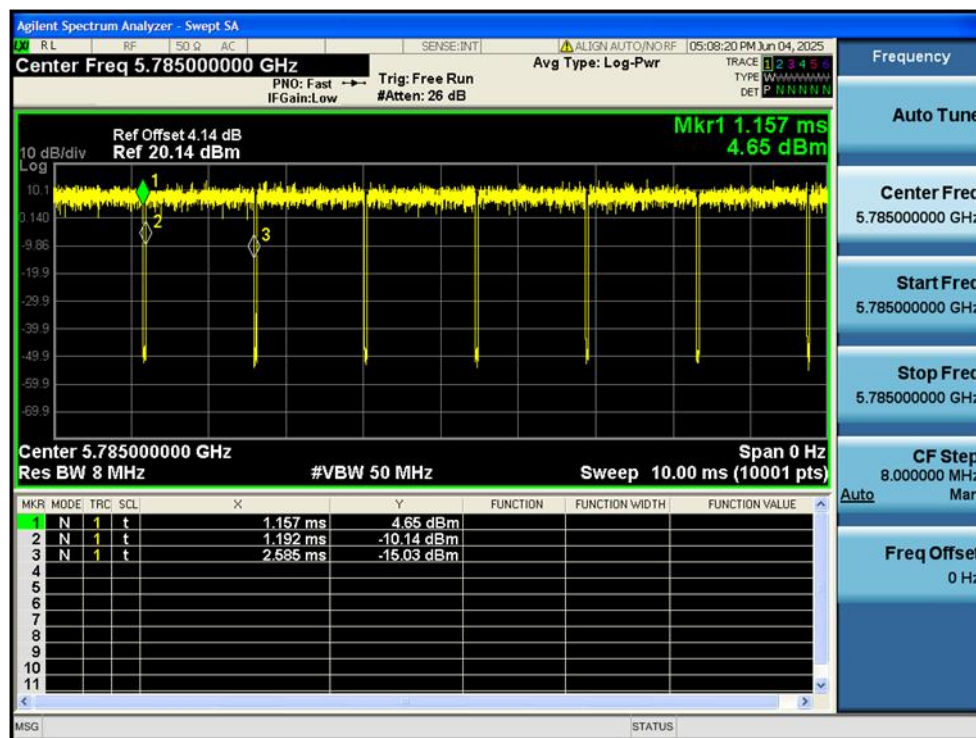
Duty Cycle NVNT a 5240MHz Ant1



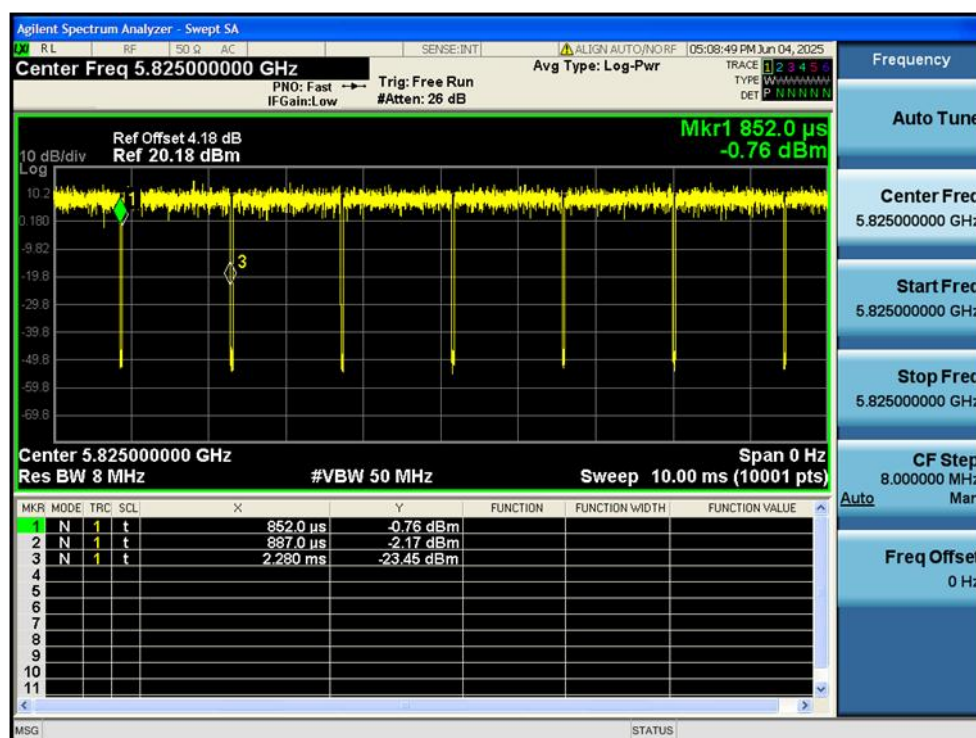
Duty Cycle NVNT a 5745MHz Ant1



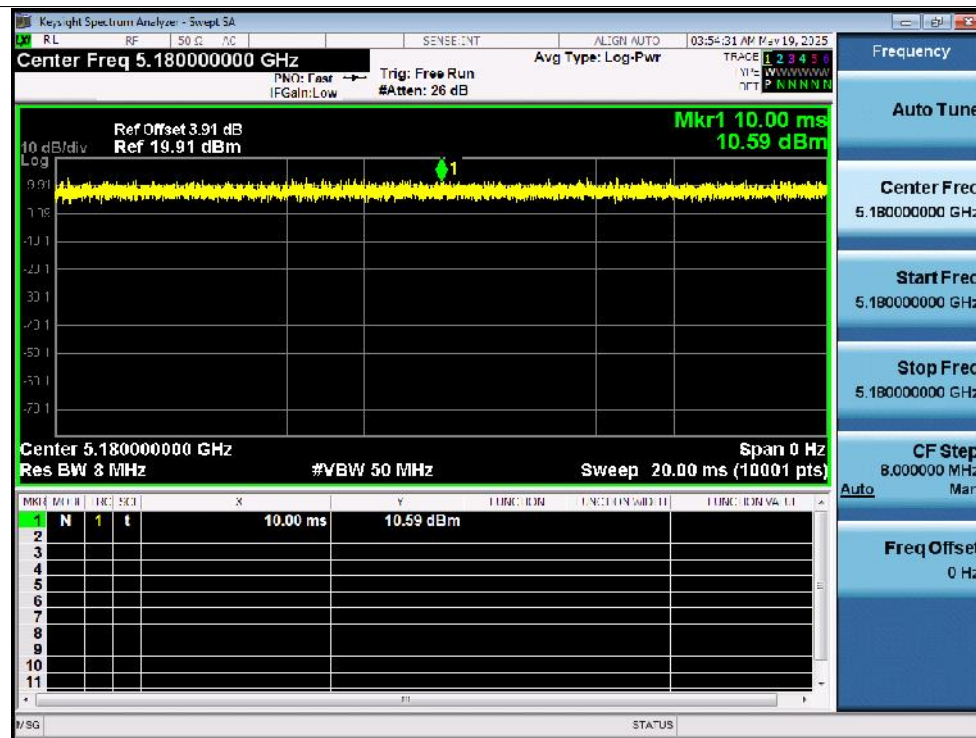
Duty Cycle NVNT a 5785MHz Ant1



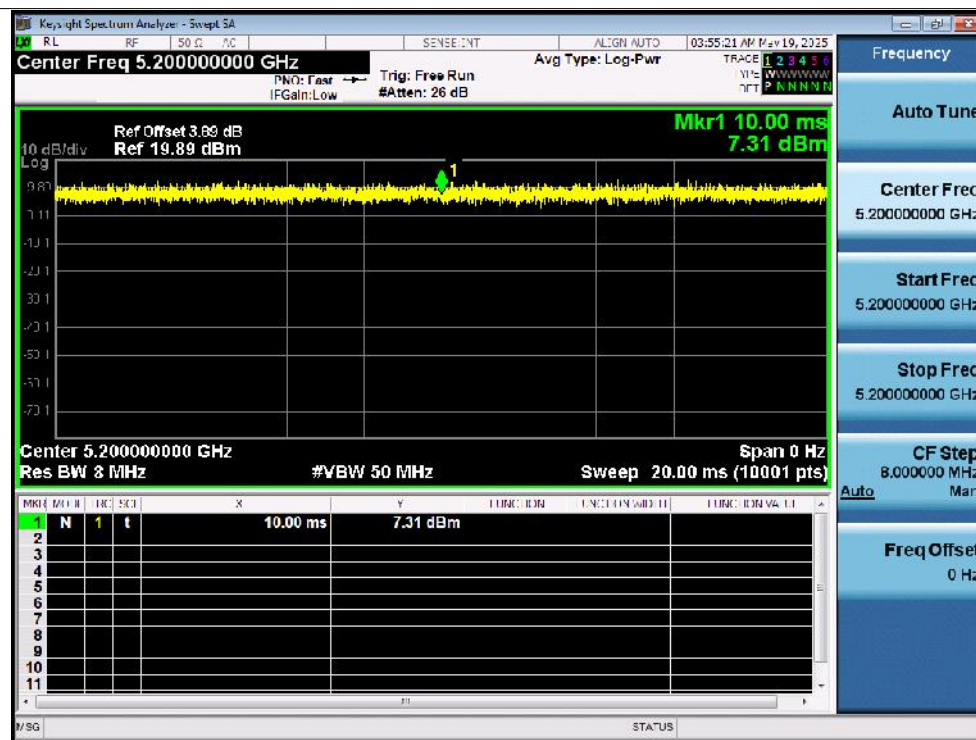
Duty Cycle NVNT a 5825MHz Ant1



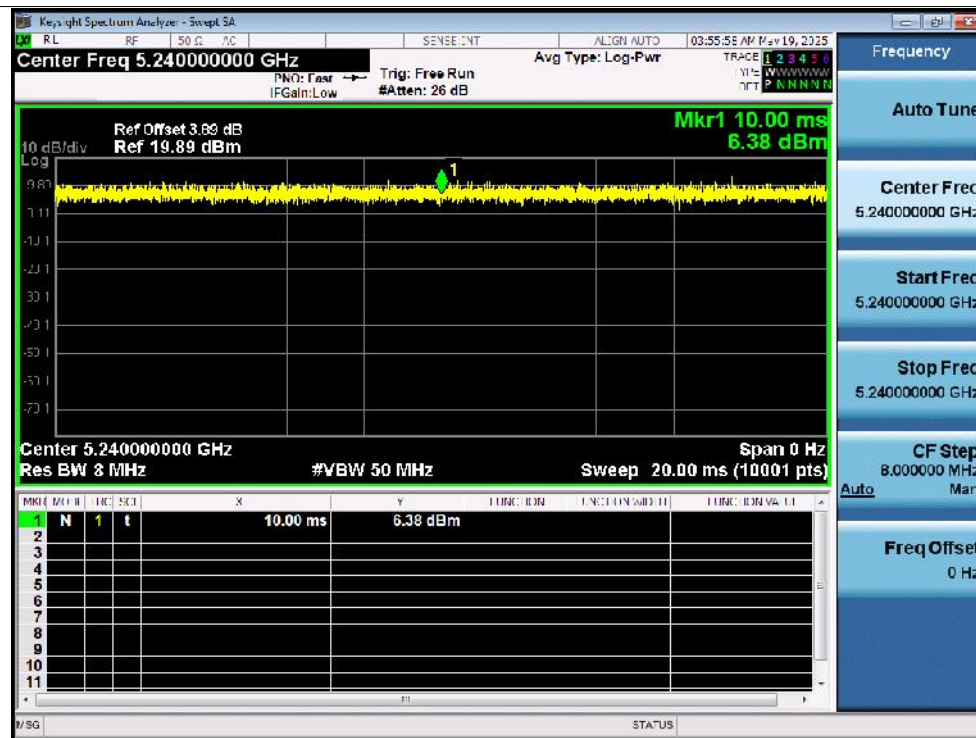
Duty Cycle NVNT n20 5180MHz Ant1



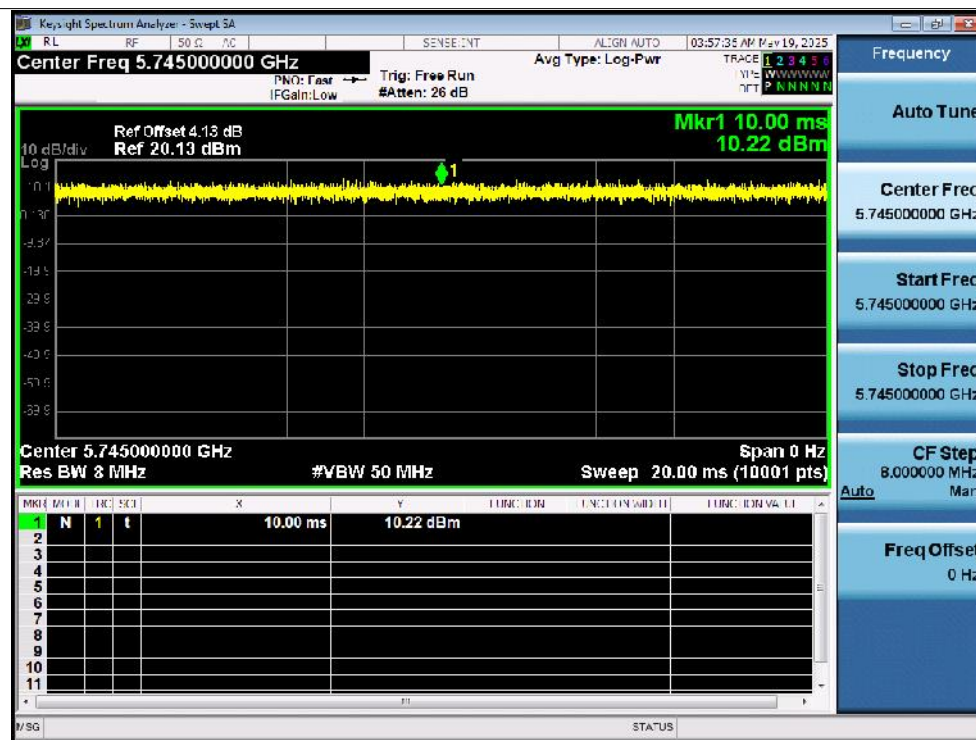
Duty Cycle NVNT n20 5200MHz Ant1



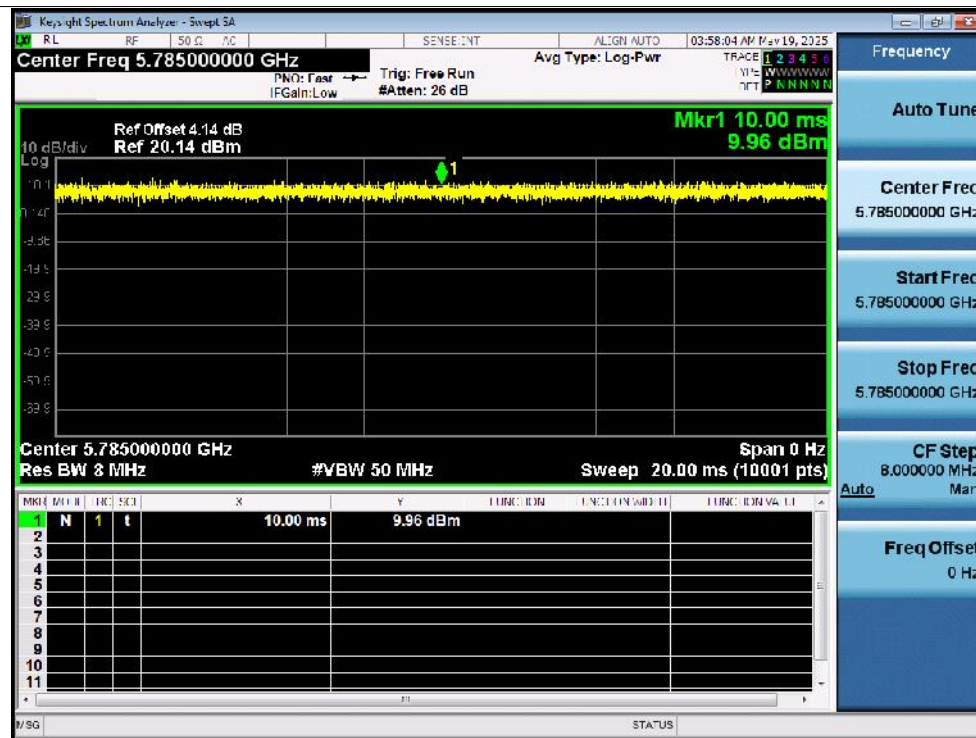
Duty Cycle NVNT n20 5240MHz Ant1



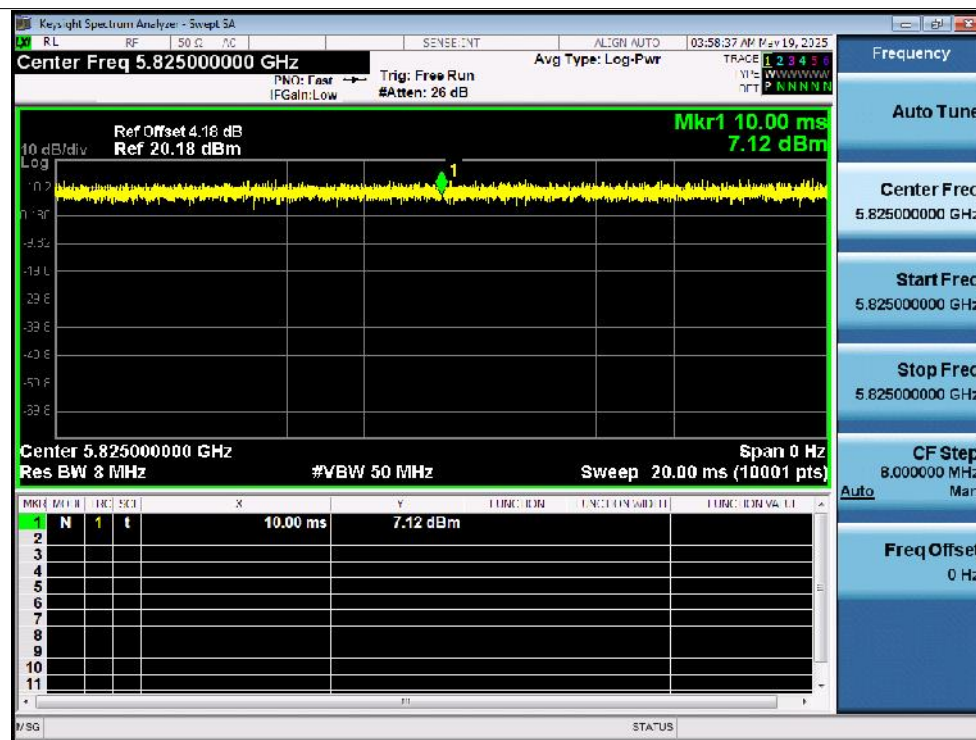
Duty Cycle NVNT n20 5745MHz Ant1



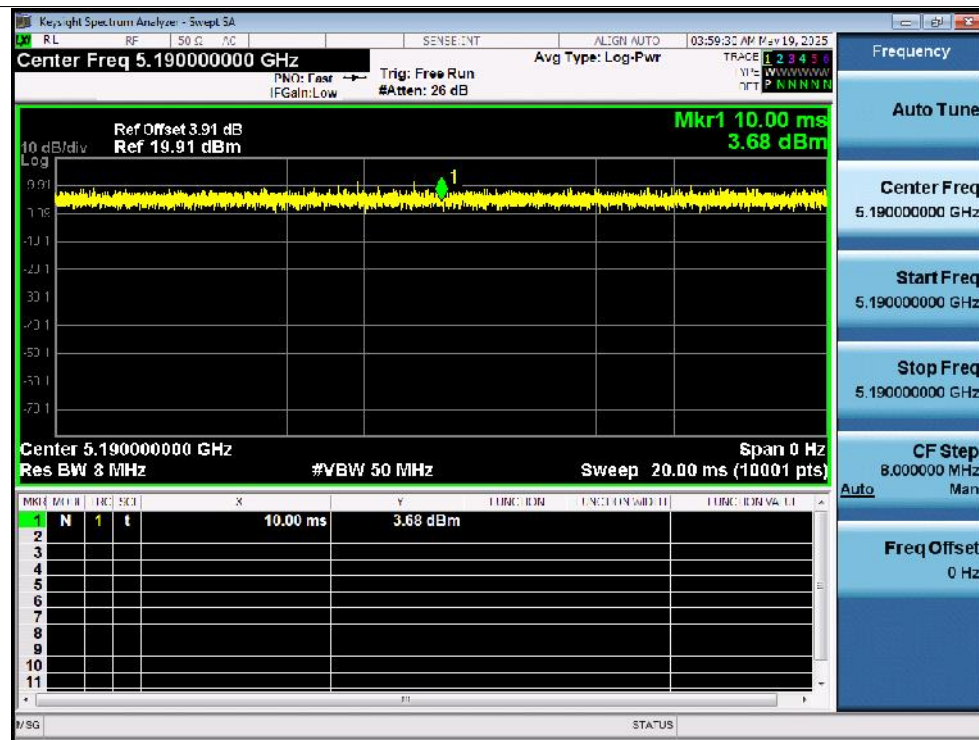
Duty Cycle NVNT n20 5785MHz Ant1



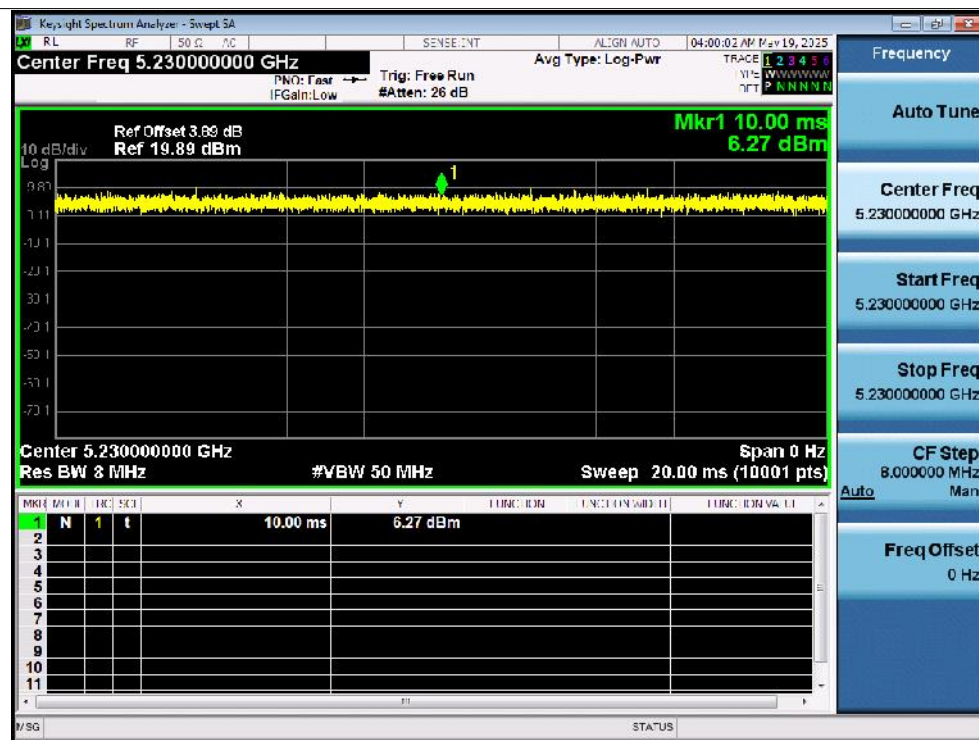
Duty Cycle NVNT n20 5825MHz Ant1



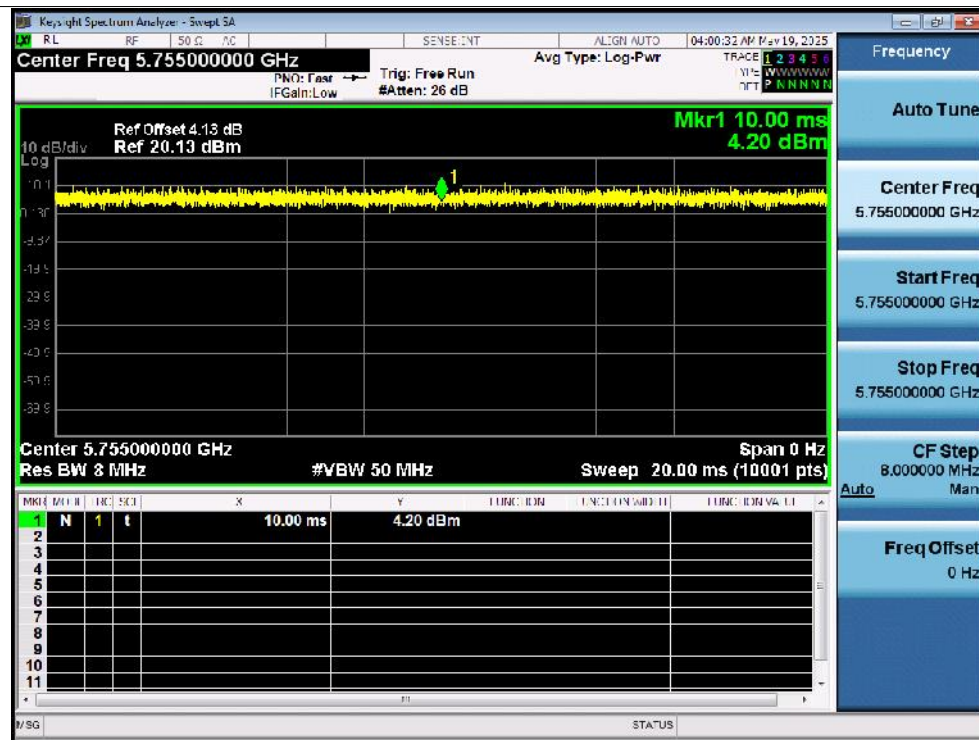
Duty Cycle NVNT n40 5190MHz Ant1



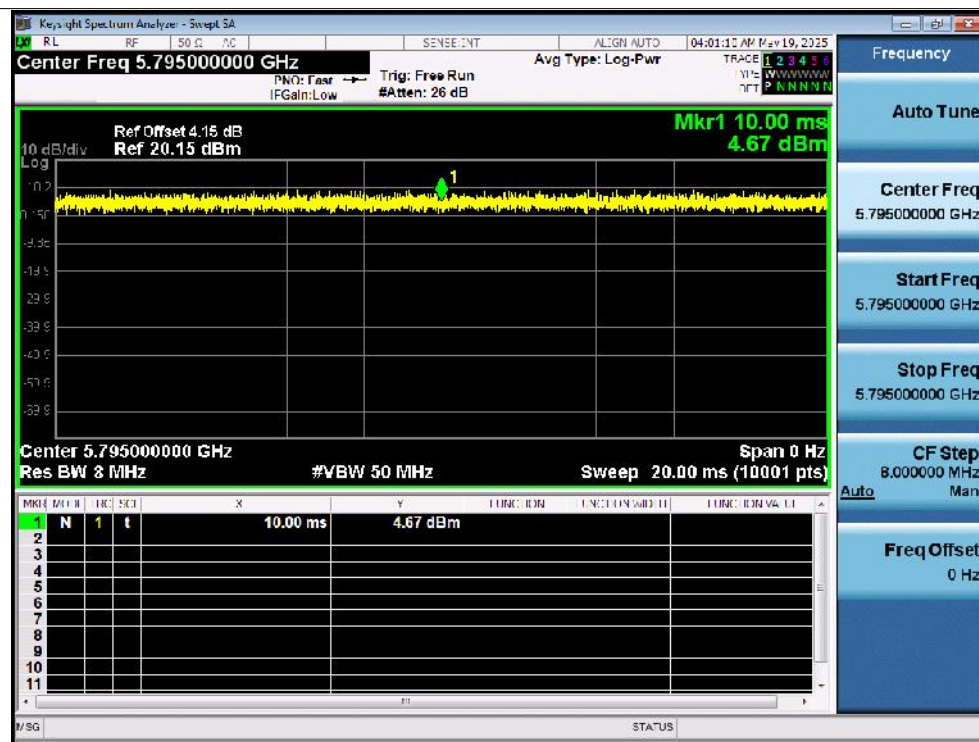
Duty Cycle NVNT n40 5230MHz Ant1



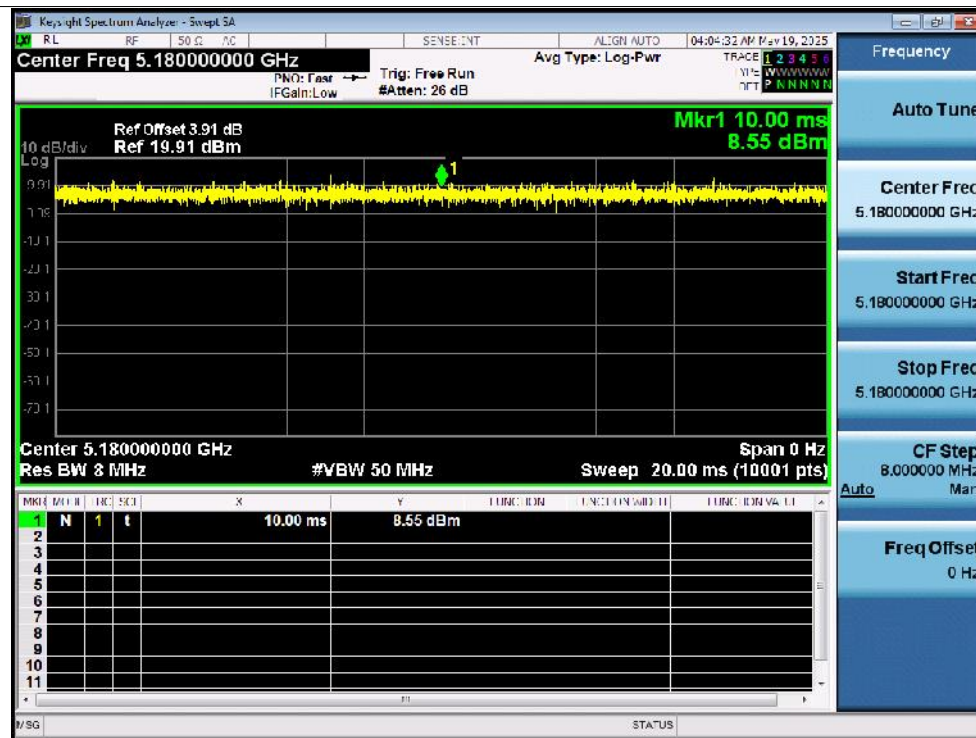
Duty Cycle NVNT n40 5755MHz Ant1



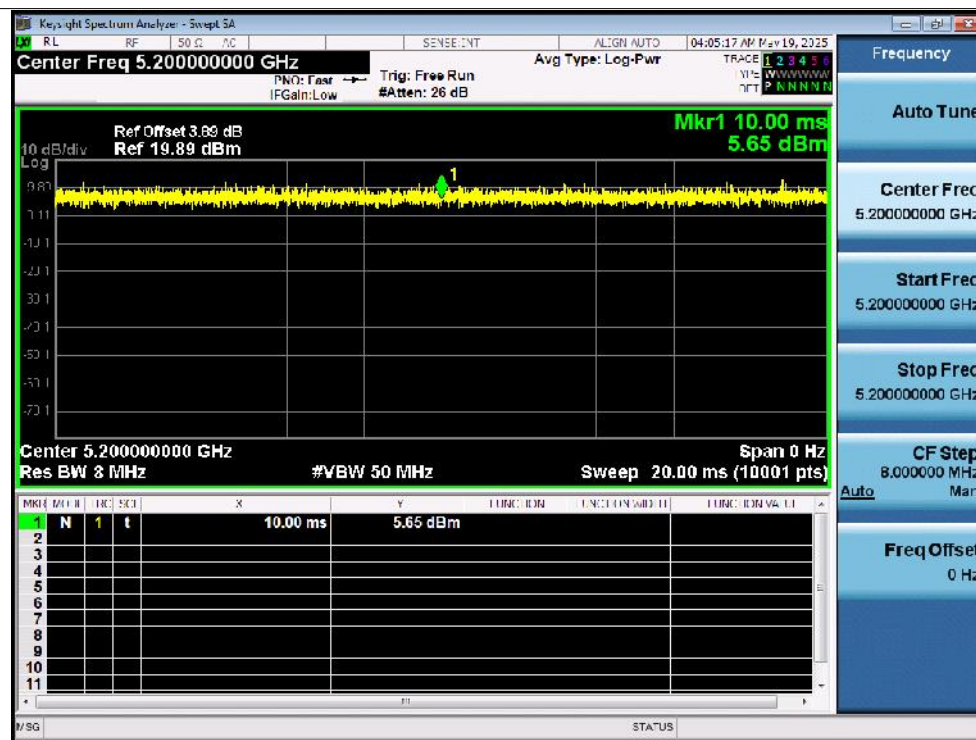
Duty Cycle NVNT n40 5795MHz Ant1



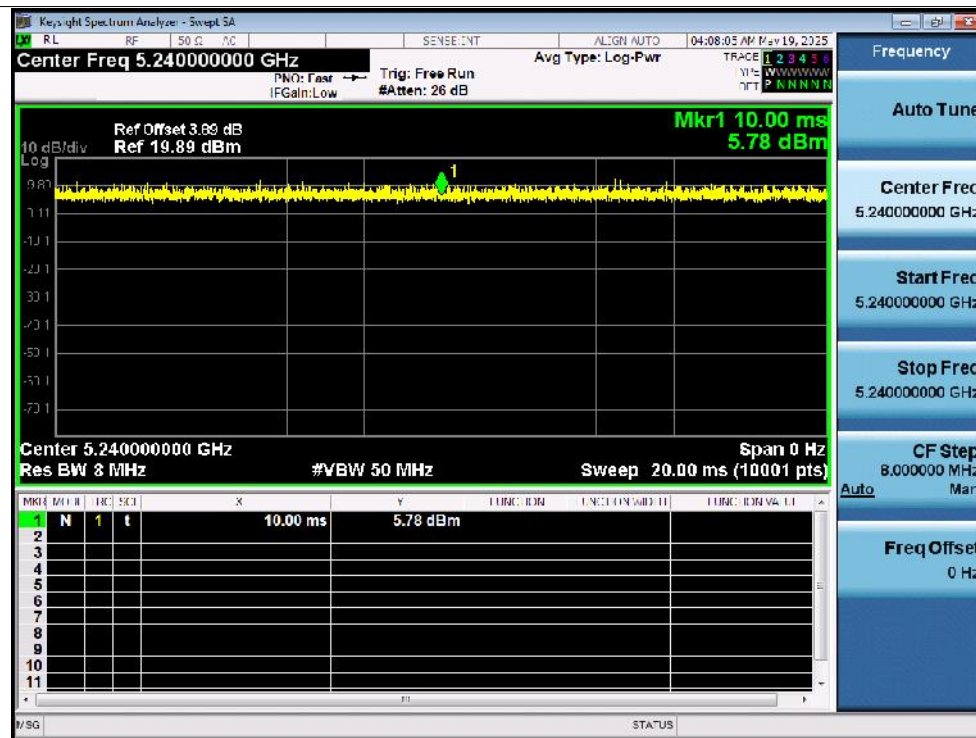
Duty Cycle NVNT ac20 5180MHz Ant1



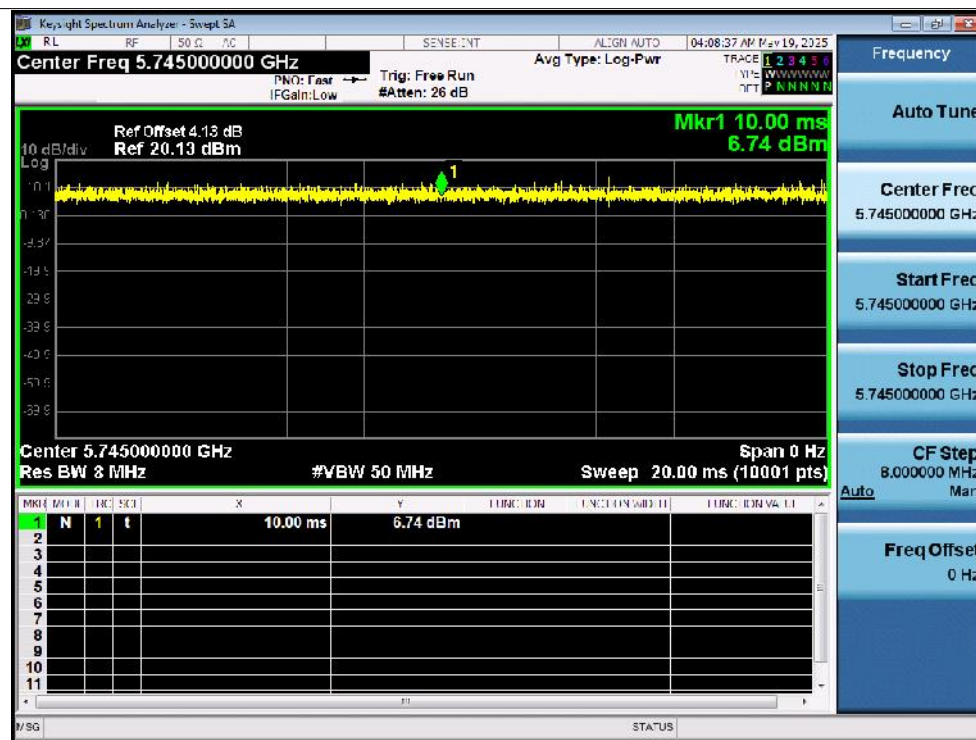
Duty Cycle NVNT ac20 5200MHz Ant1



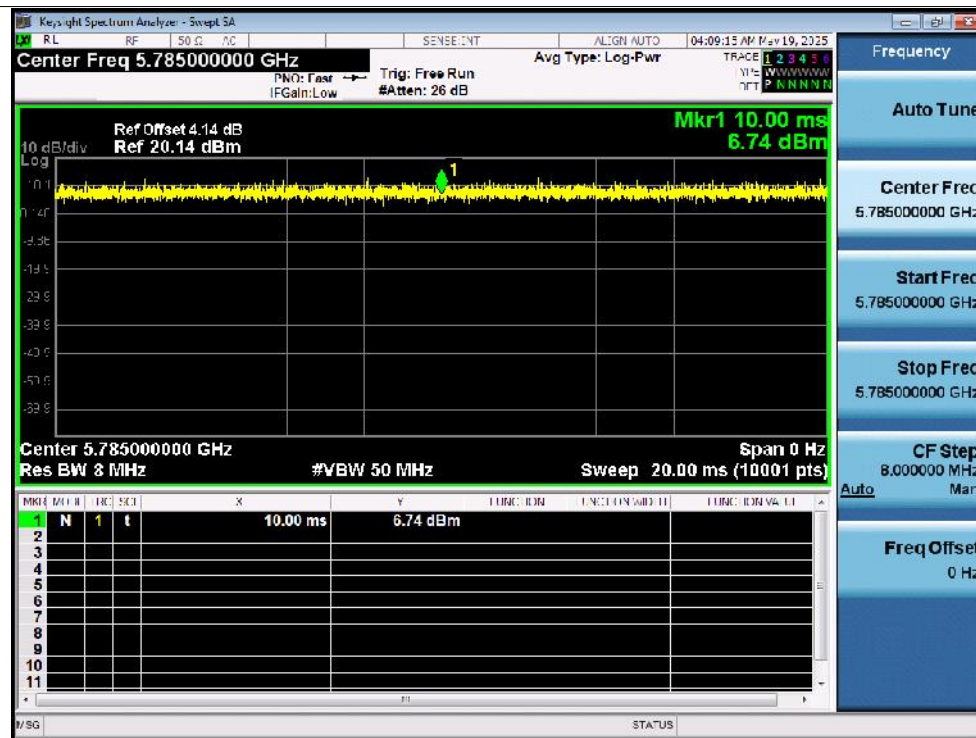
Duty Cycle NVNT ac20 5240MHz Ant1



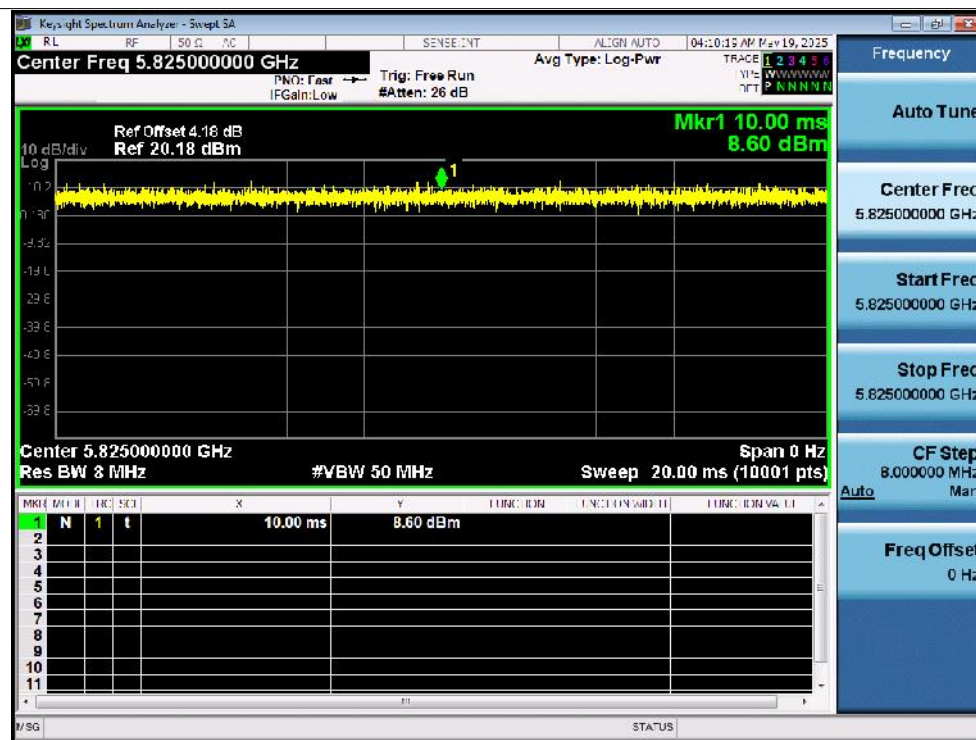
Duty Cycle NVNT ac20 5745MHz Ant1



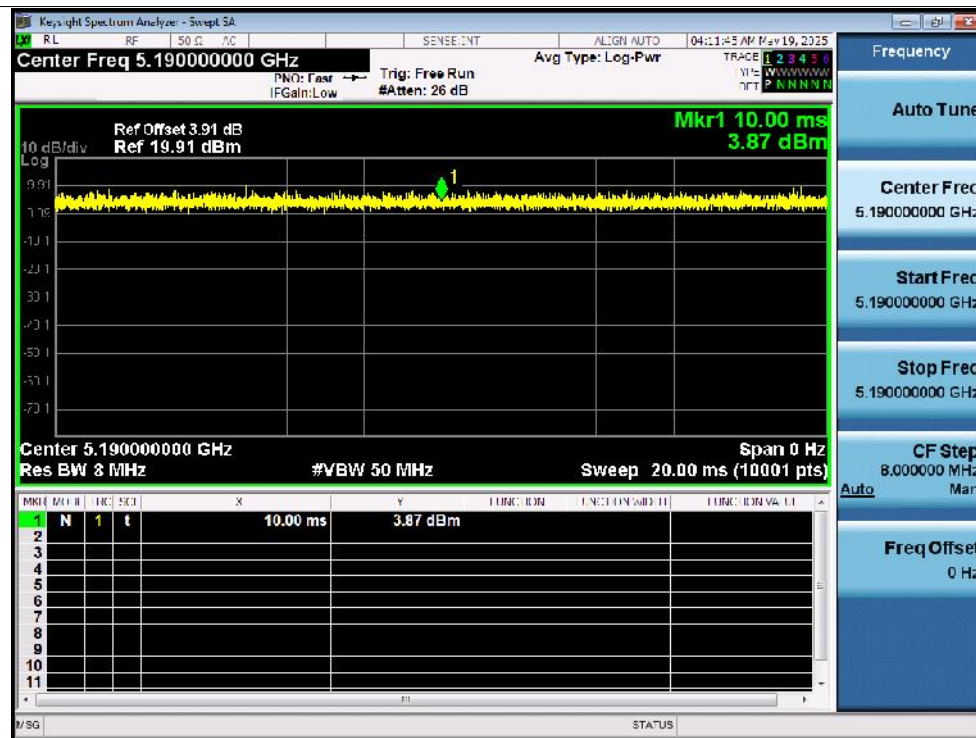
Duty Cycle NVNT ac20 5785MHz Ant1



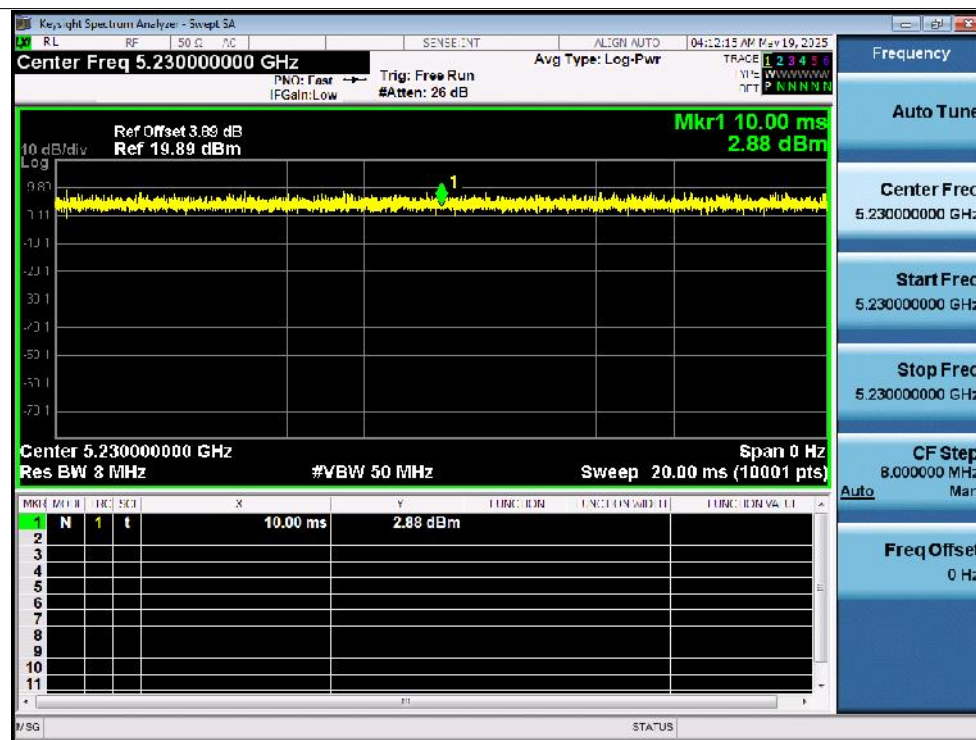
Duty Cycle NVNT ac20 5825MHz Ant1



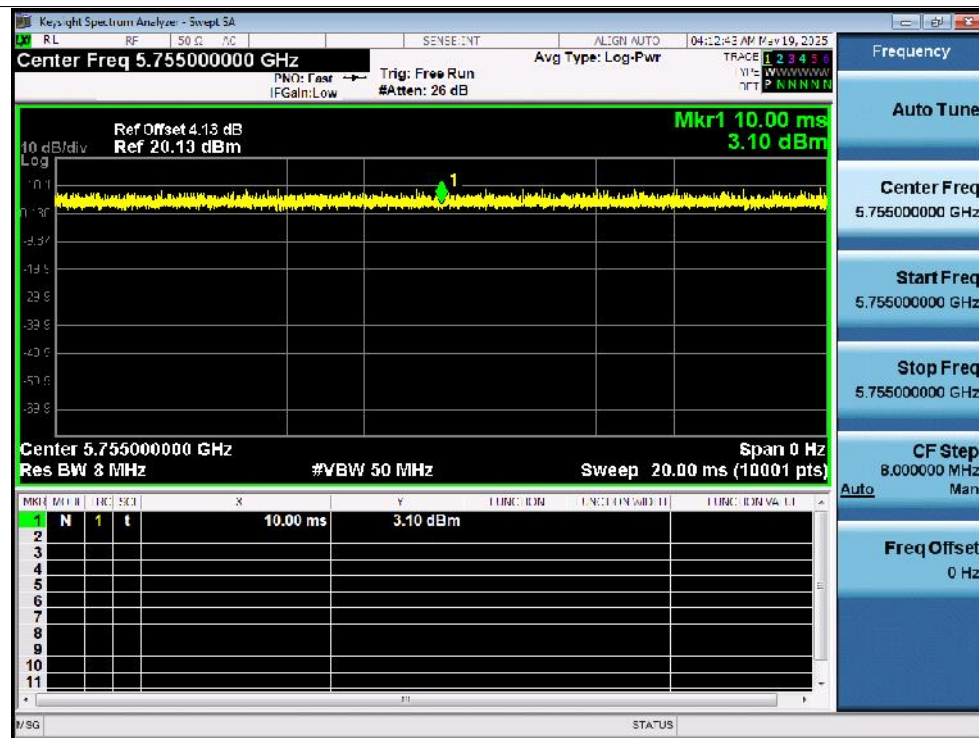
Duty Cycle NVNT ac40 5190MHz Ant1



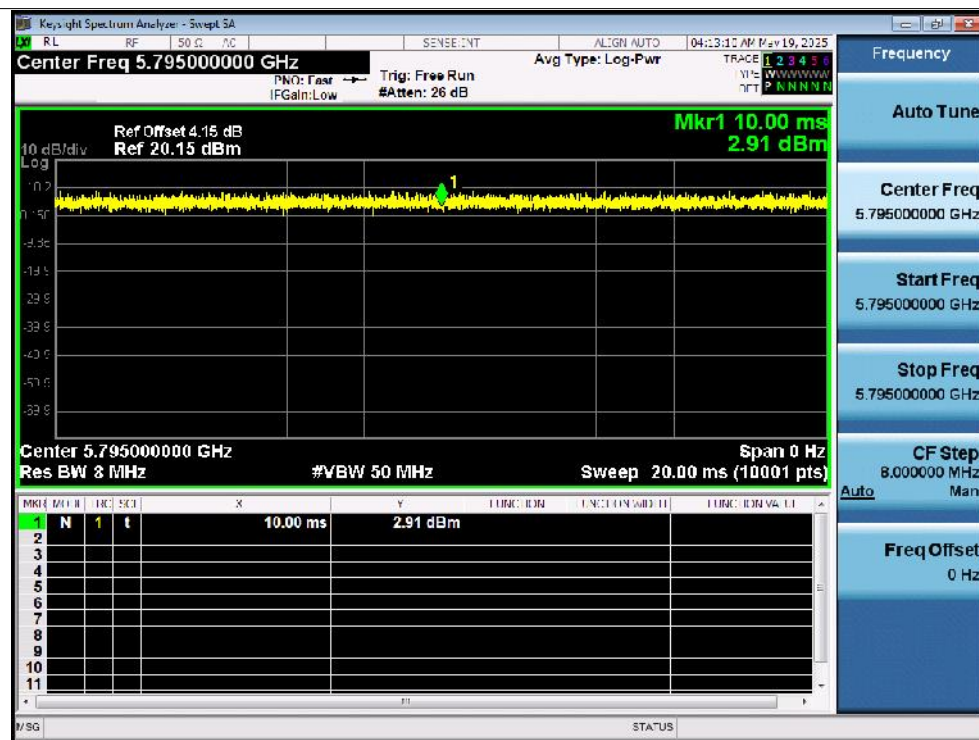
Duty Cycle NVNT ac40 5230MHz Ant1



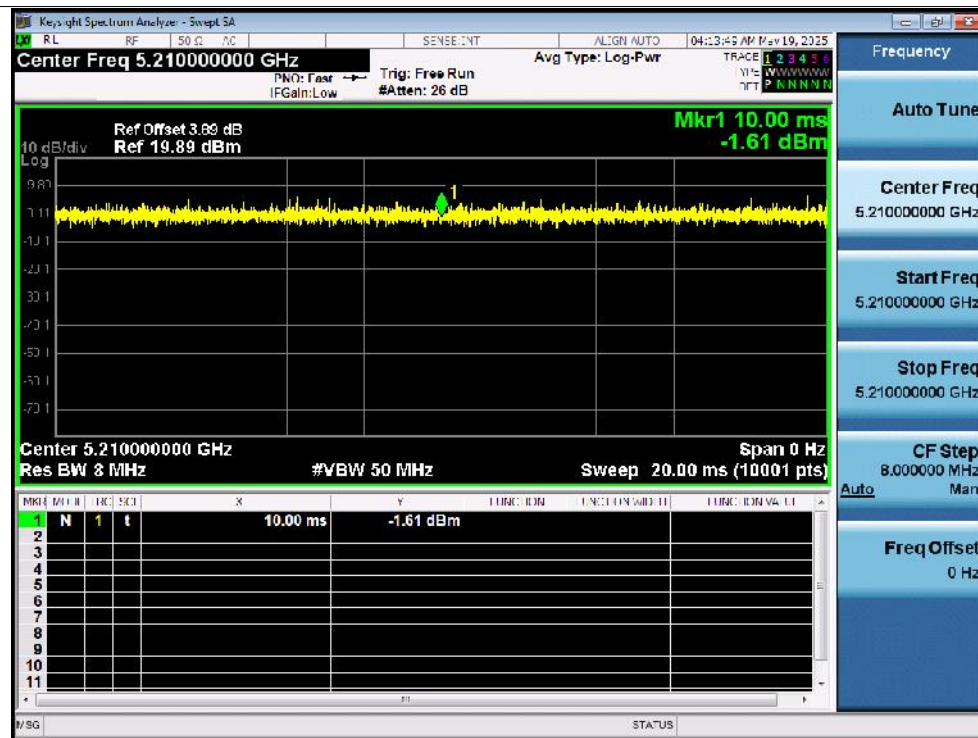
Duty Cycle NVNT ac40 5755MHz Ant1



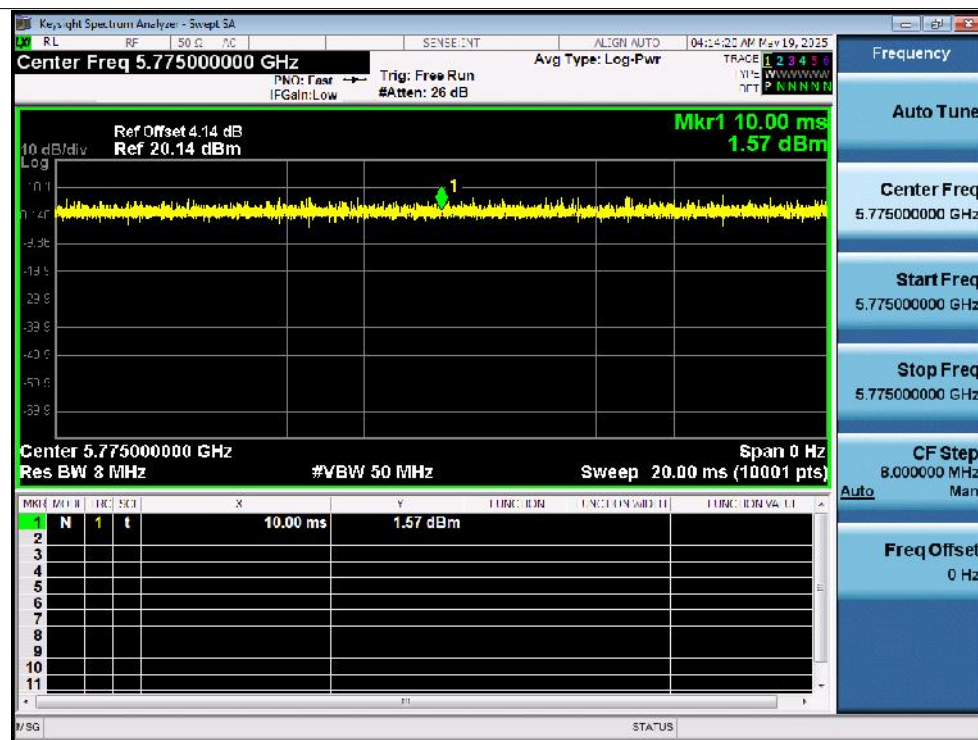
Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1

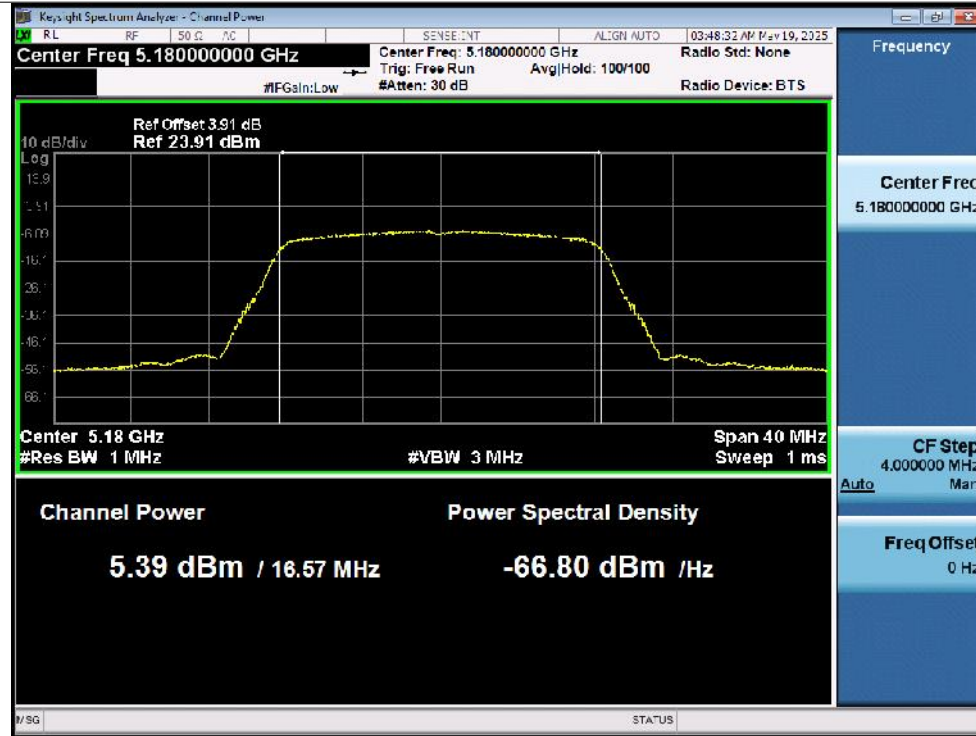


Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	5.39	0.11	5.5	24	Pass
NVNT	a	5200	Ant1	5.16	0.11	5.27	24	Pass
NVNT	a	5240	Ant1	4.97	0.11	5.08	24	Pass
NVNT	a	5745	Ant1	6	0.11	6.11	30	Pass
NVNT	a	5785	Ant1	5.76	0.11	5.87	30	Pass
NVNT	a	5825	Ant1	5.93	0.11	6.04	30	Pass
NVNT	n20	5180	Ant1	4.73	0	4.73	24	Pass
NVNT	n20	5200	Ant1	4.53	0	4.53	24	Pass
NVNT	n20	5240	Ant1	3.87	0	3.87	24	Pass
NVNT	n20	5745	Ant1	5.36	0	5.36	30	Pass
NVNT	n20	5785	Ant1	4.72	0	4.72	30	Pass
NVNT	n20	5825	Ant1	5.17	0	5.17	30	Pass
NVNT	n40	5190	Ant1	4.81	0	4.81	24	Pass
NVNT	n40	5230	Ant1	3.99	0	3.99	24	Pass
NVNT	n40	5755	Ant1	5.41	0	5.41	30	Pass
NVNT	n40	5795	Ant1	4.76	0	4.76	30	Pass
NVNT	ac20	5180	Ant1	3.82	0	3.82	24	Pass
NVNT	ac20	5200	Ant1	3.6	0	3.6	24	Pass
NVNT	ac20	5240	Ant1	3.42	0	3.42	24	Pass
NVNT	ac20	5745	Ant1	4.36	0	4.36	30	Pass
NVNT	ac20	5785	Ant1	4.31	0	4.31	30	Pass
NVNT	ac20	5825	Ant1	3.83	0	3.83	30	Pass
NVNT	ac40	5190	Ant1	3.75	0	3.75	24	Pass
NVNT	ac40	5230	Ant1	3.54	0	3.54	24	Pass
NVNT	ac40	5755	Ant1	4.01	0	4.01	30	Pass
NVNT	ac40	5795	Ant1	4.55	0	4.55	30	Pass
NVNT	ac80	5210	Ant1	2.98	0	2.98	24	Pass
NVNT	ac80	5775	Ant1	4.52	0	4.52	30	Pass

Test Graphs

Power NVNT a 5180MHz Ant1



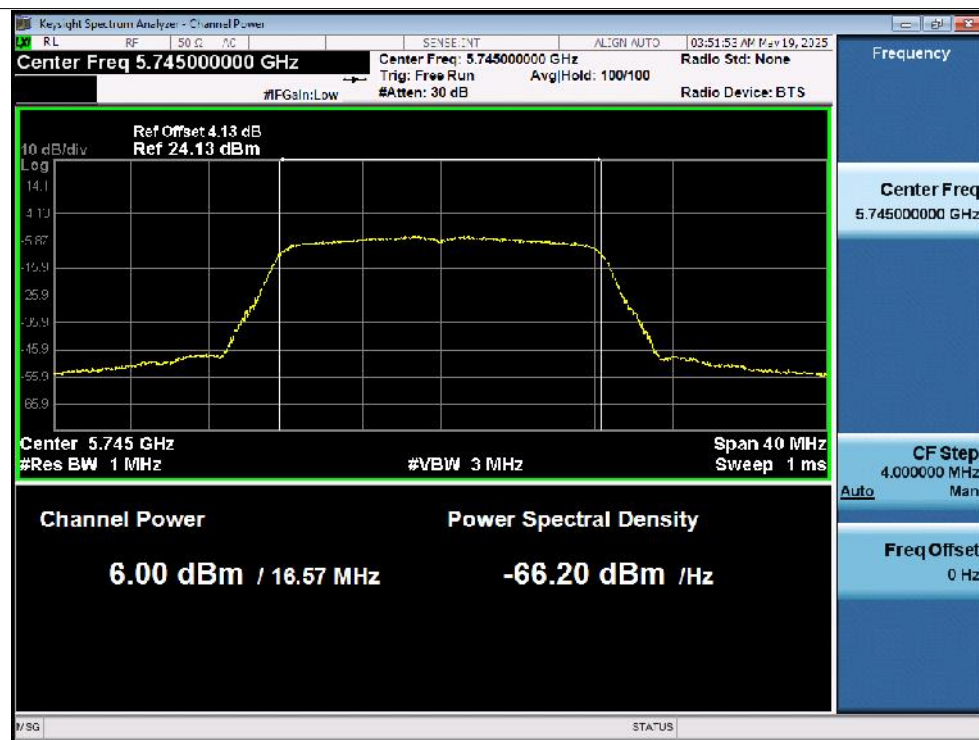
Power NVNT a 5200MHz Ant1



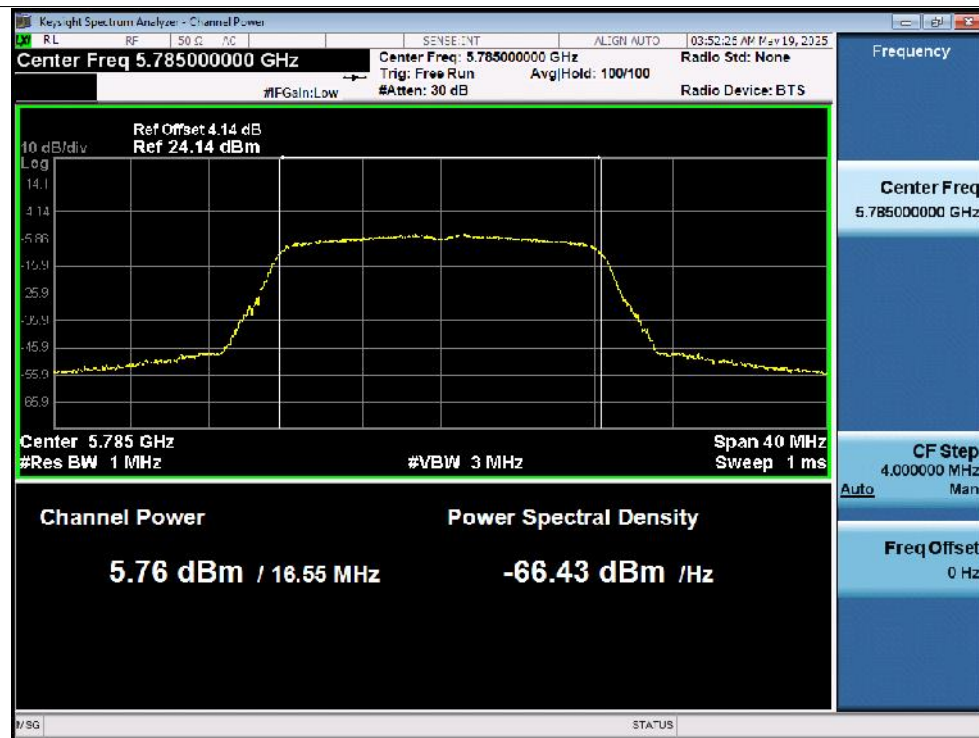
Power NVNT a 5240MHz Ant1



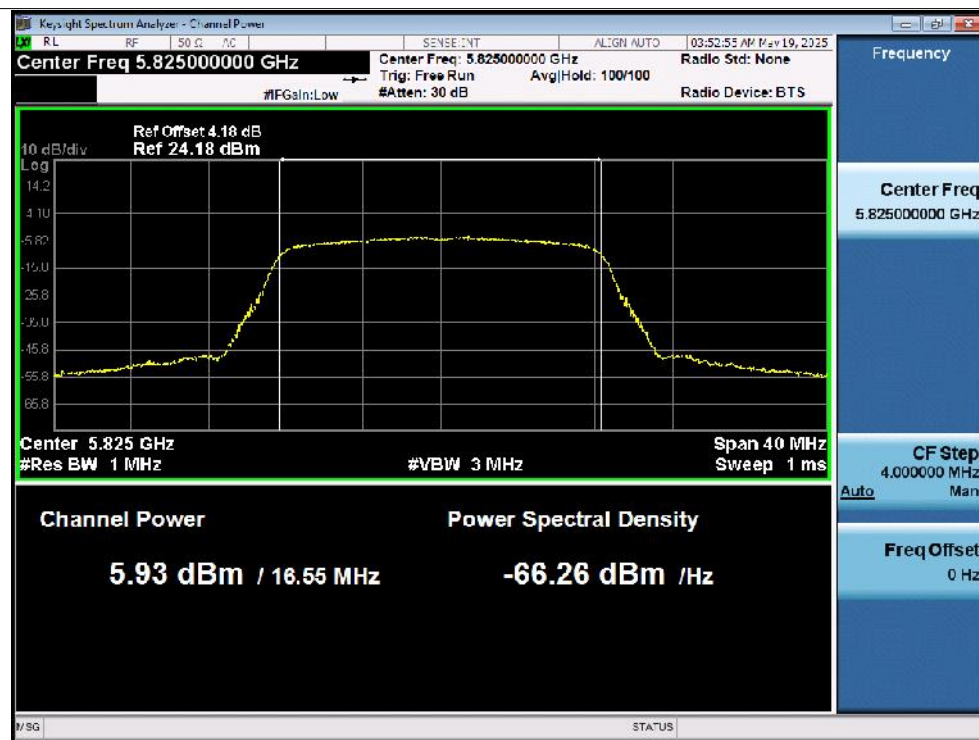
Power NVNT a 5745MHz Ant1



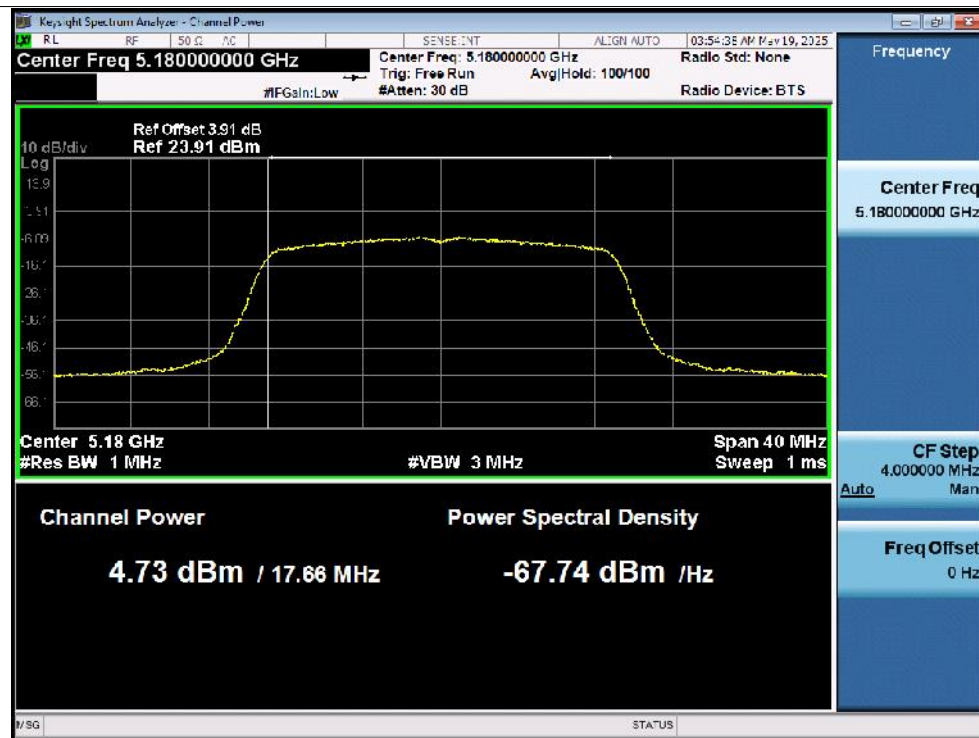
Power NVNT a 5785MHz Ant1



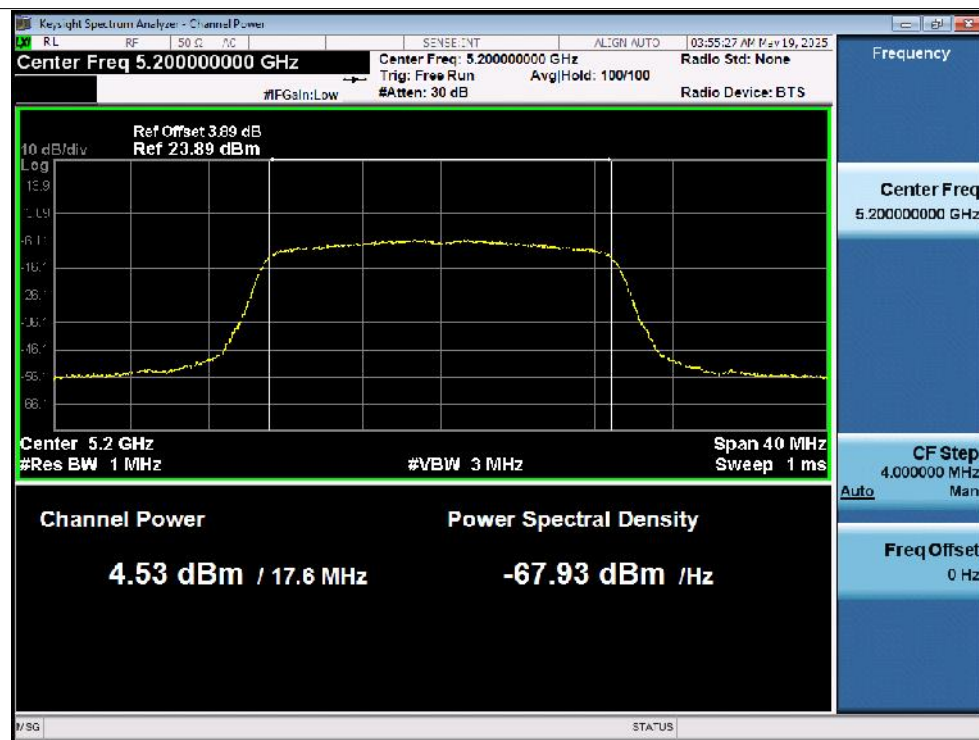
Power NVNT a 5825MHz Ant1



Power NVNT n20 5180MHz Ant1



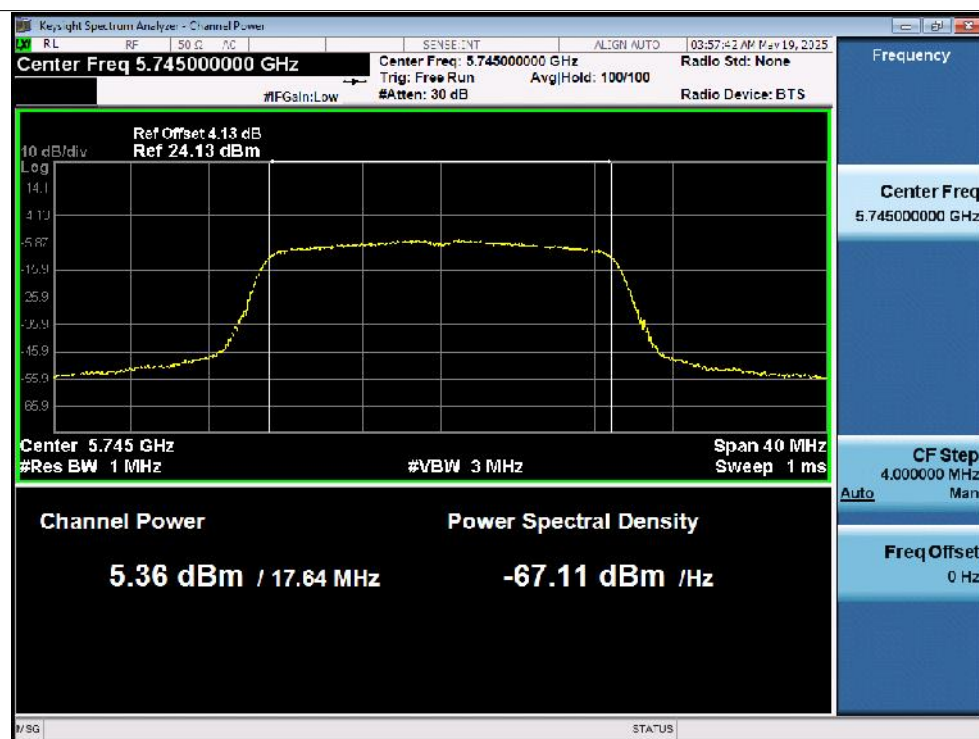
Power NVNT n20 5200MHz Ant1



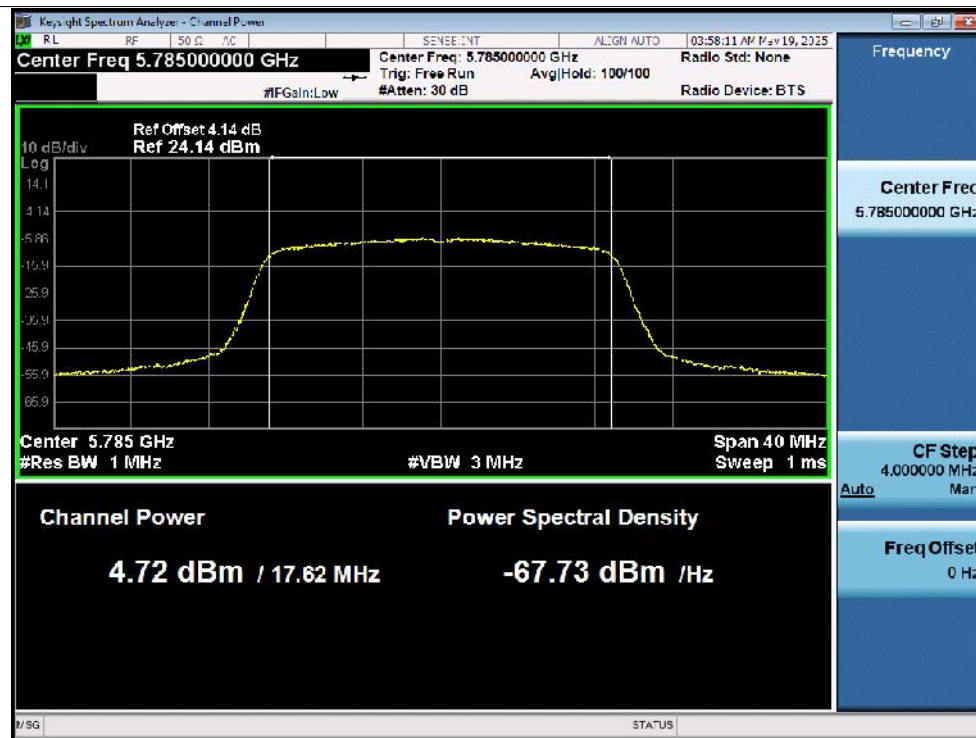
Power NVNT n20 5240MHz Ant1



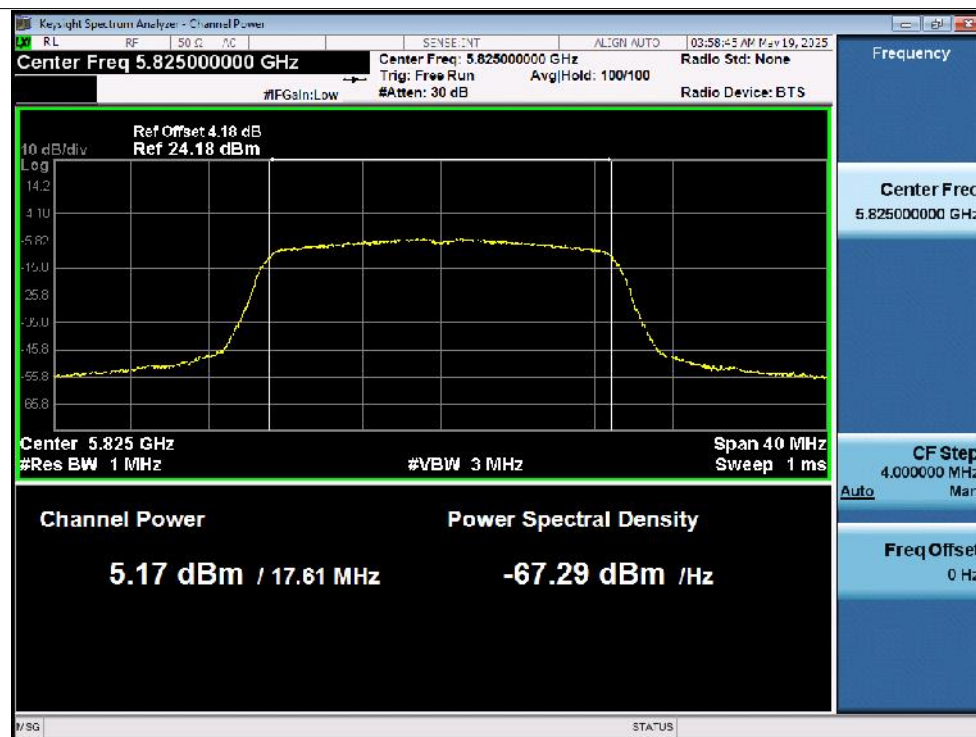
Power NVNT n20 5745MHz Ant1



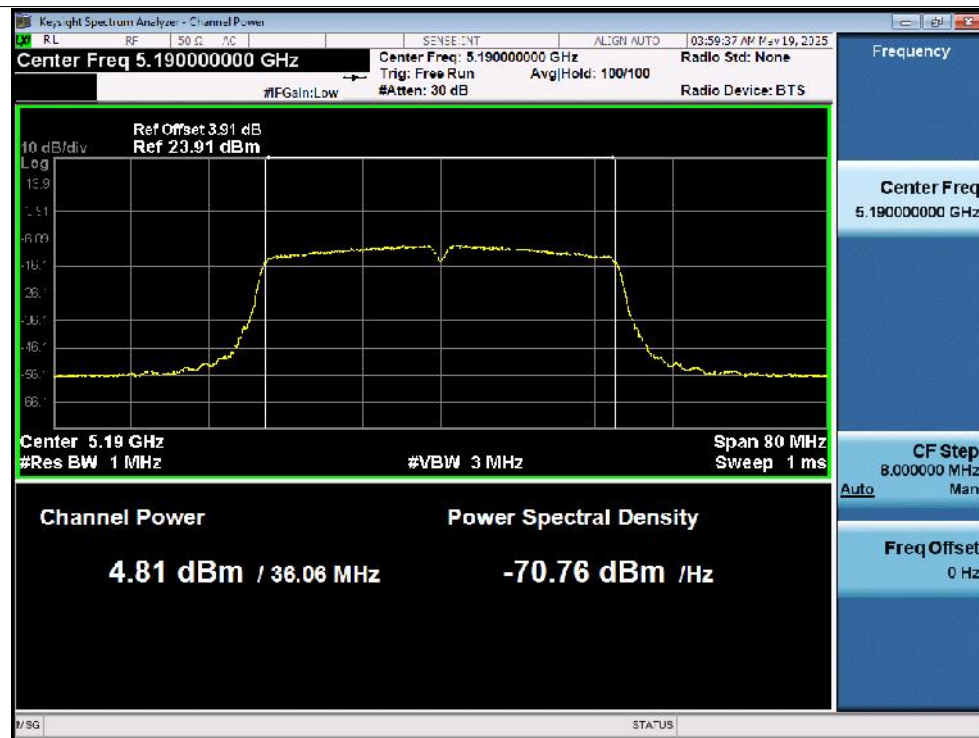
Power NVNT n20 5785MHz Ant1



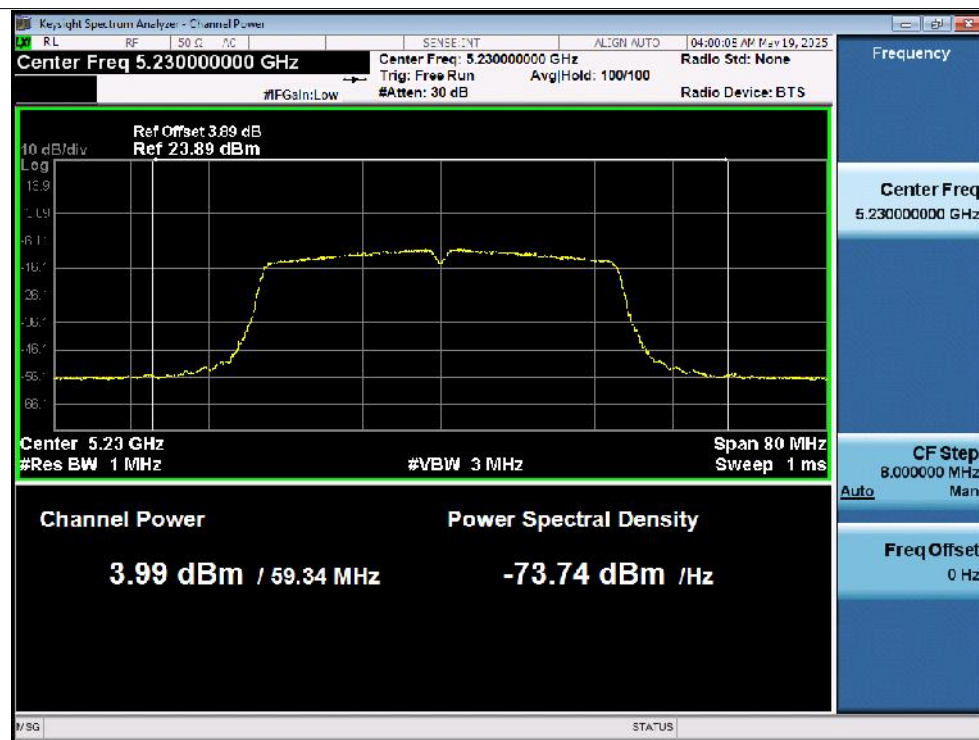
Power NVNT n20 5825MHz Ant1



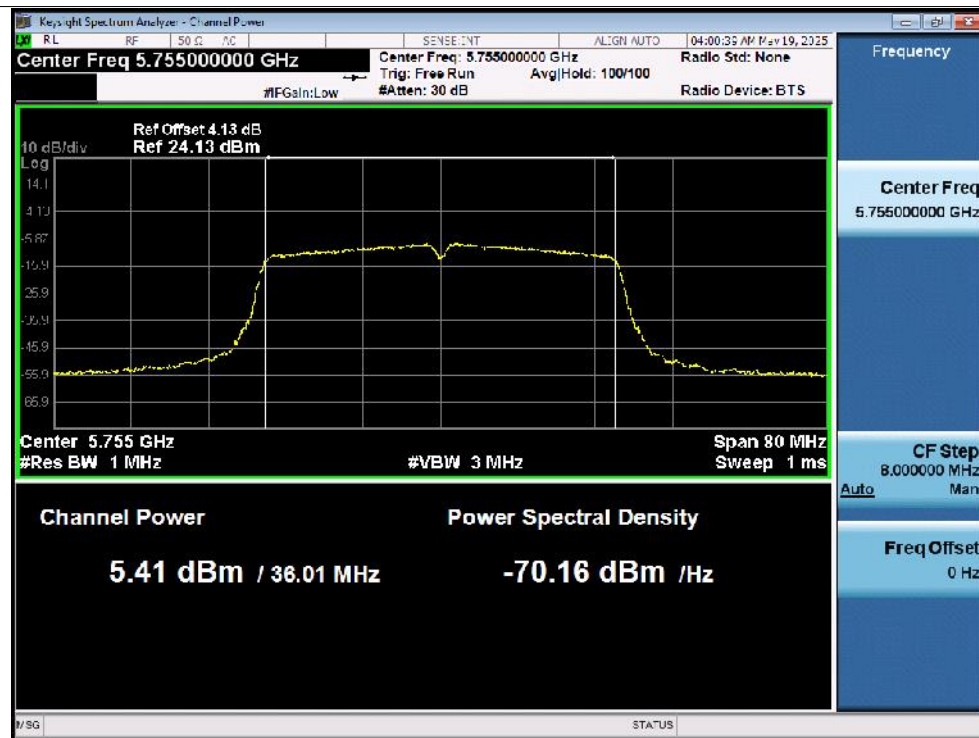
Power NVNT n40 5190MHz Ant1



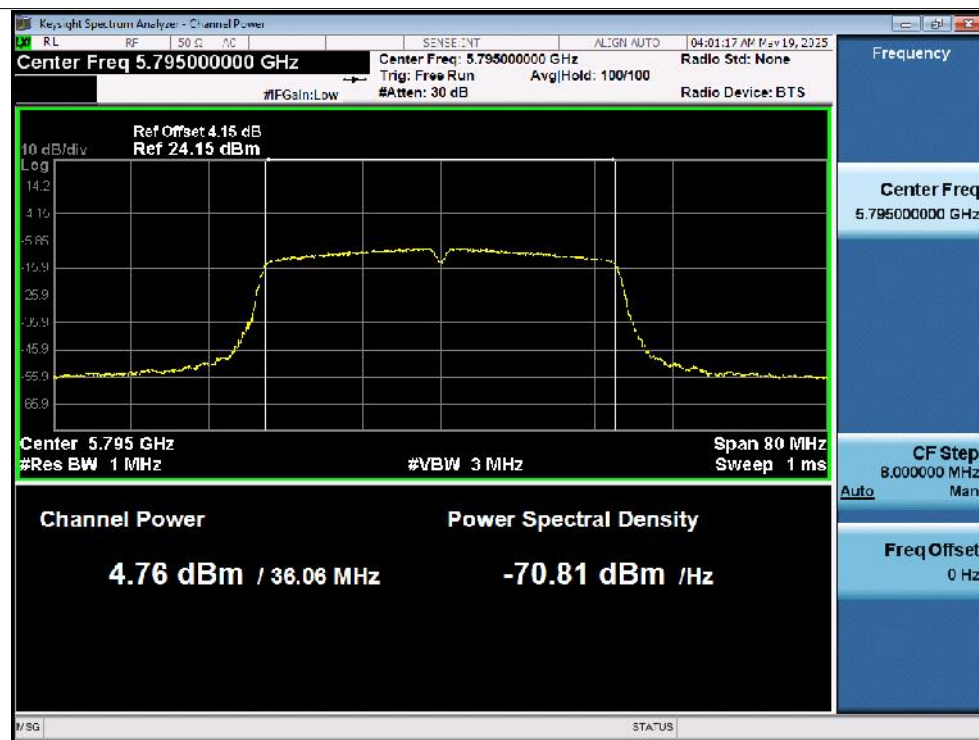
Power NVNT n40 5230MHz Ant1



Power NVNT n40 5755MHz Ant1



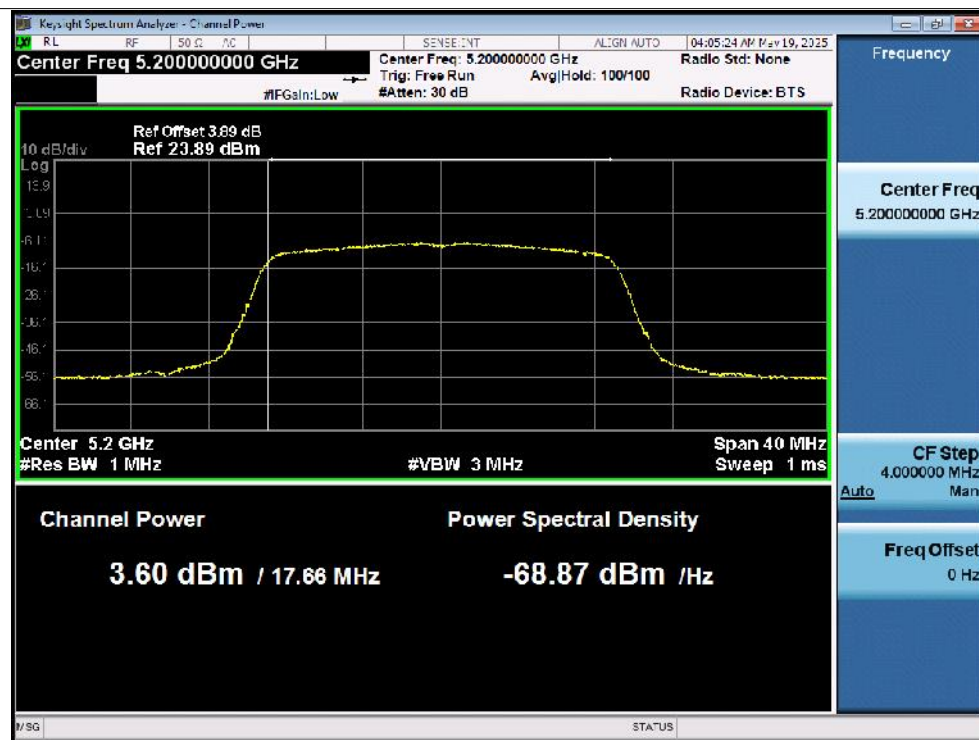
Power NVNT n40 5795MHz Ant1



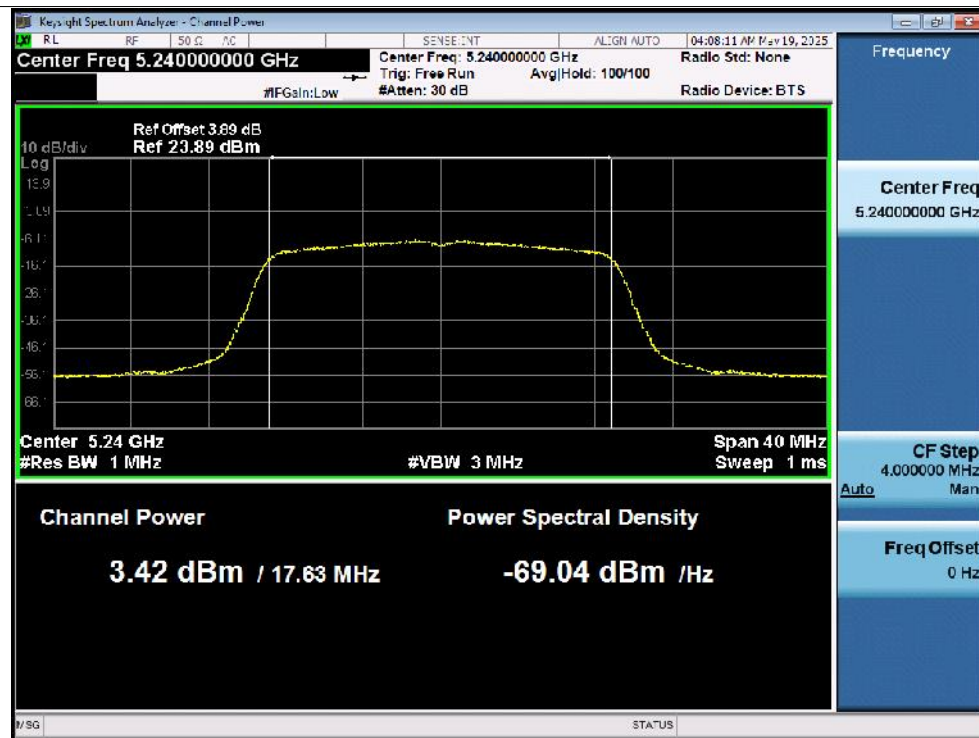
Power NVNT ac20 5180MHz Ant1



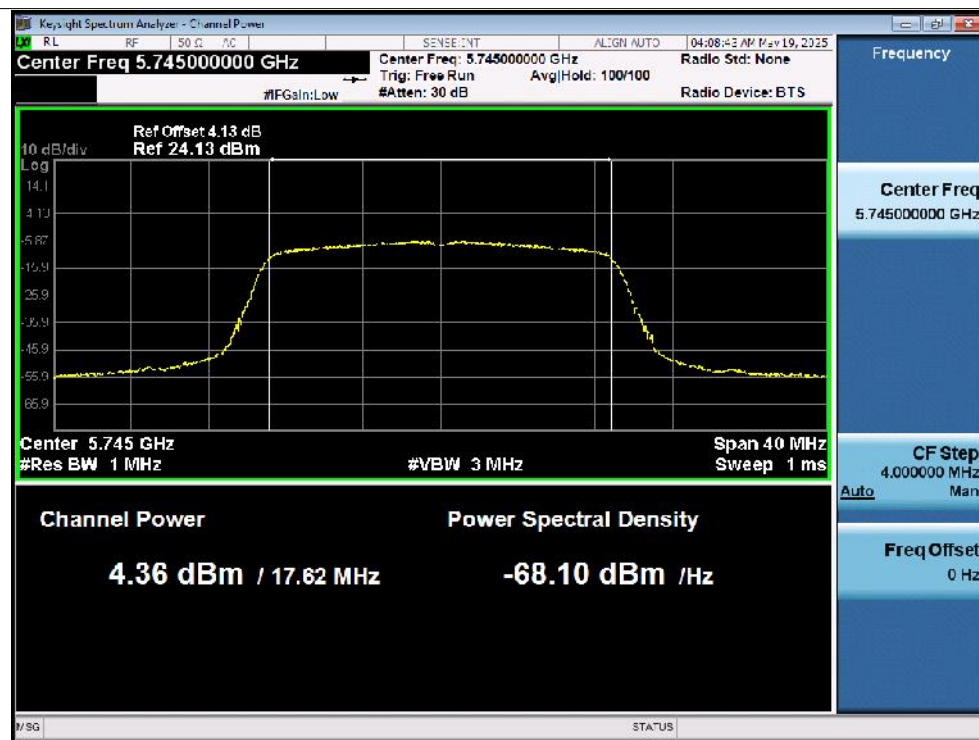
Power NVNT ac20 5200MHz Ant1



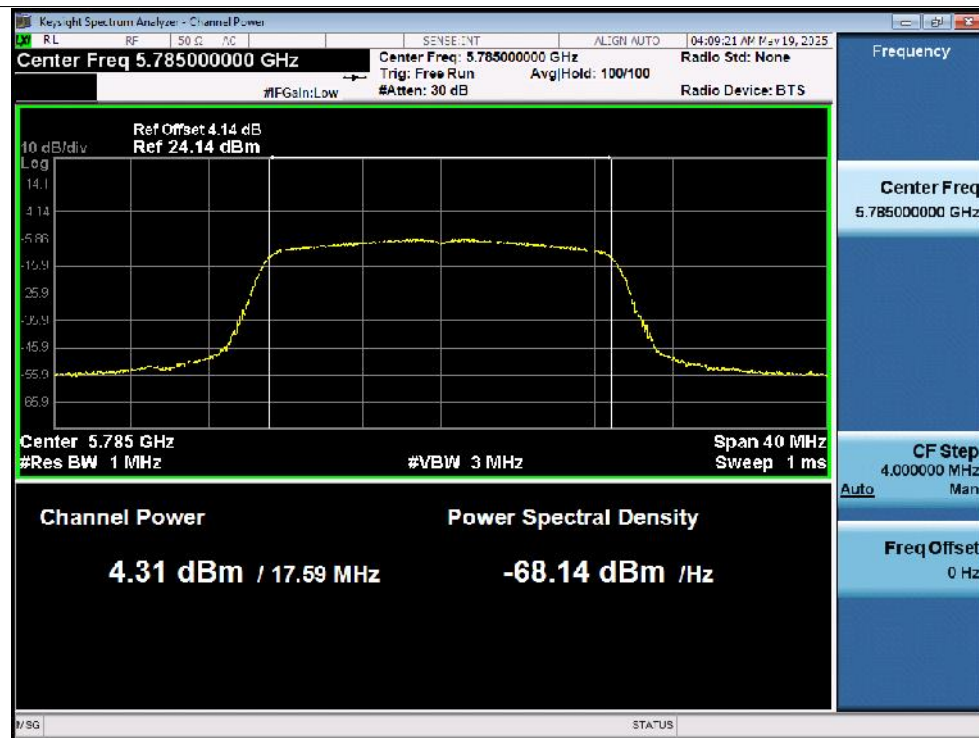
Power NVNT ac20 5240MHz Ant1



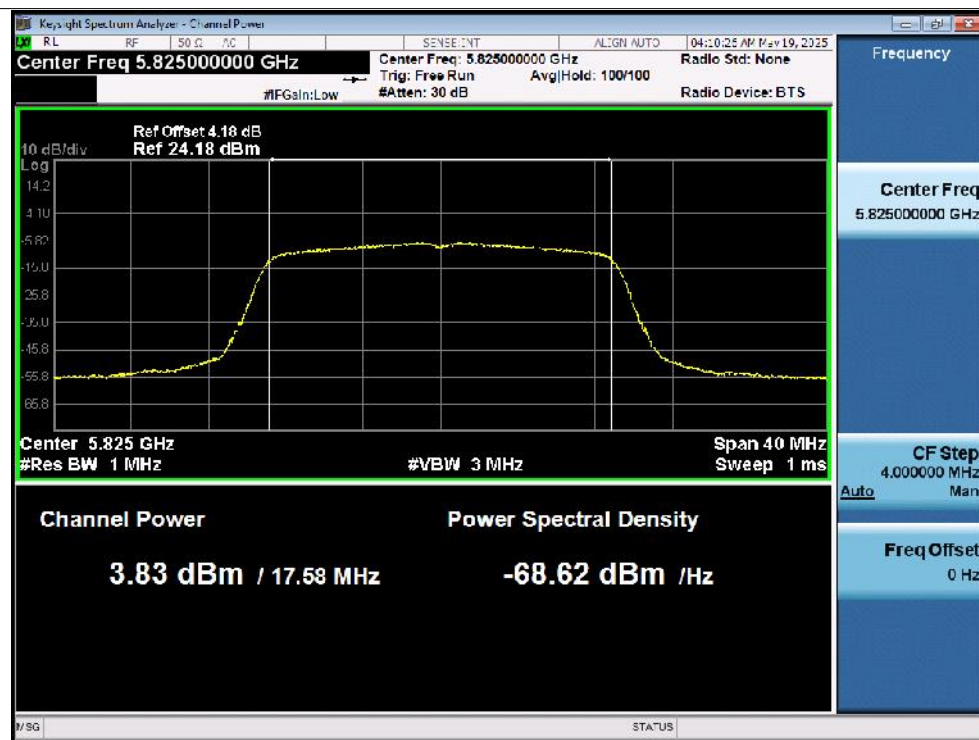
Power NVNT ac20 5745MHz Ant1



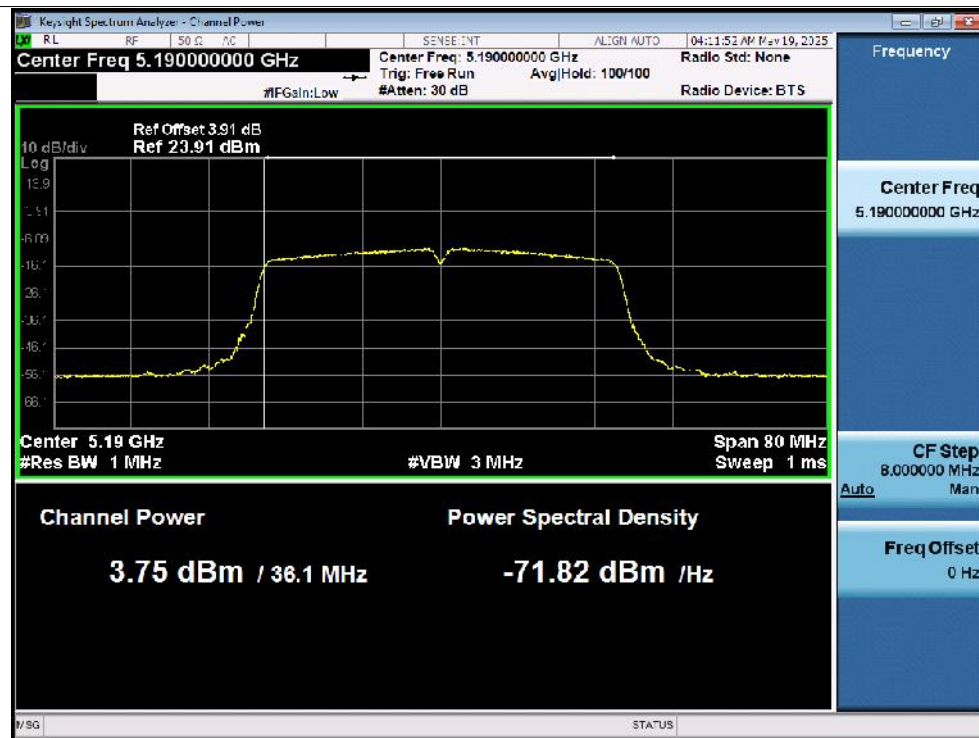
Power NVNT ac20 5785MHz Ant1



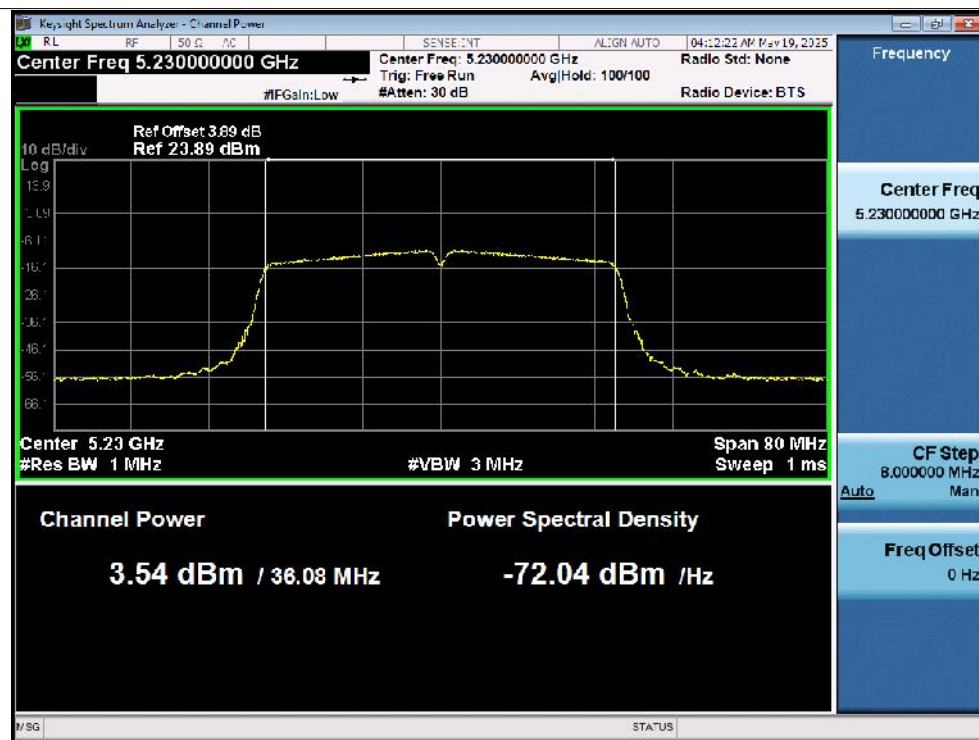
Power NVNT ac20 5825MHz Ant1



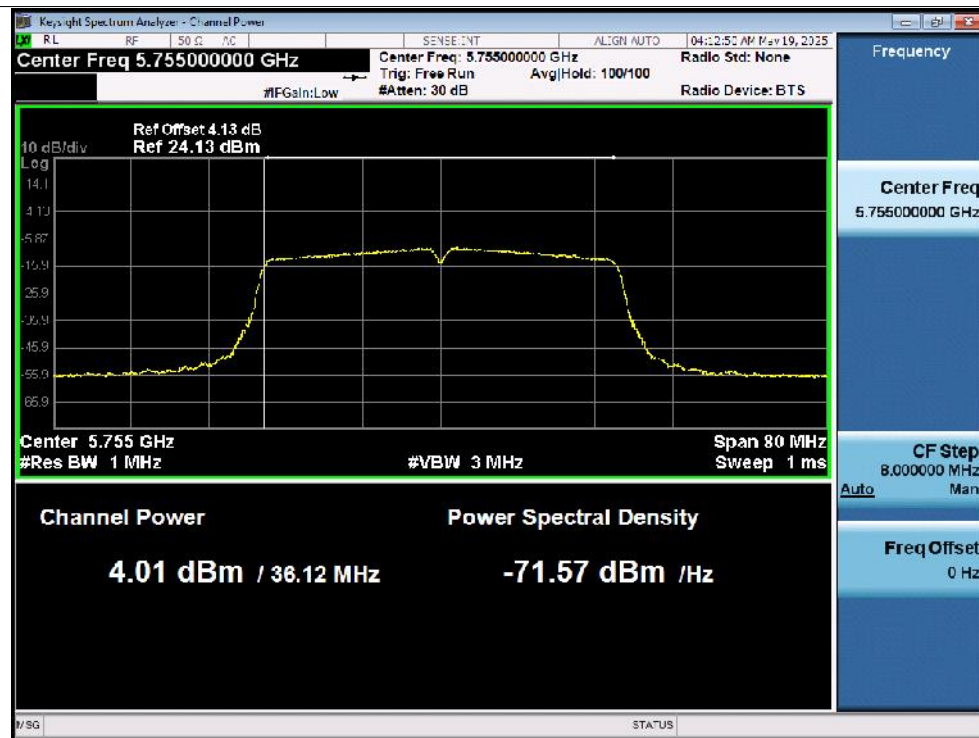
Power NVNT ac40 5190MHz Ant1



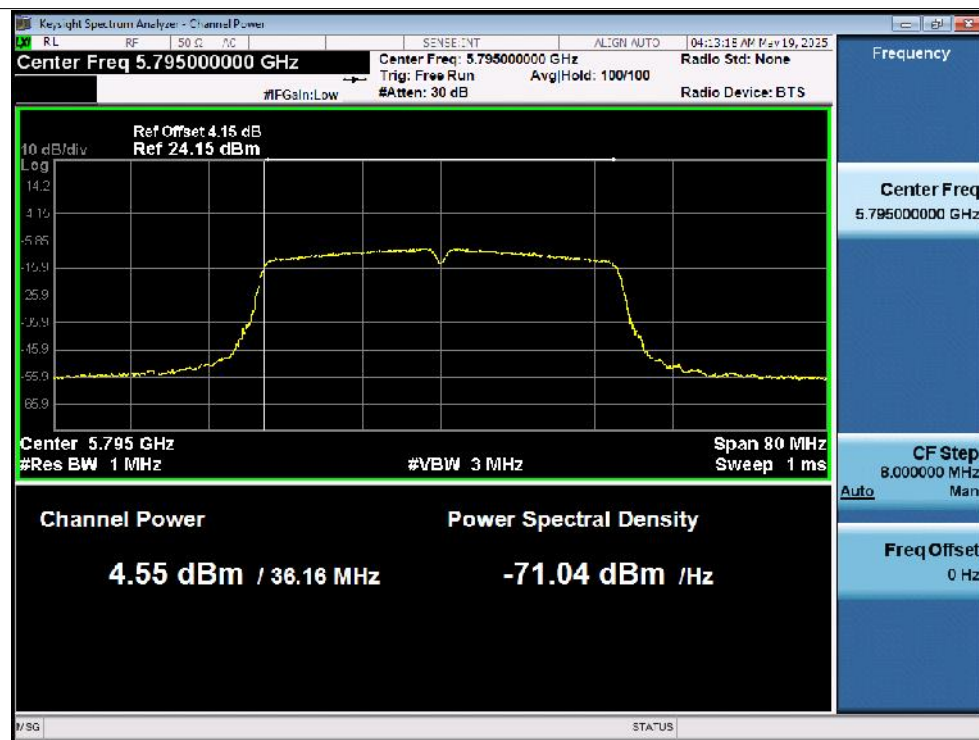
Power NVNT ac40 5230MHz Ant1



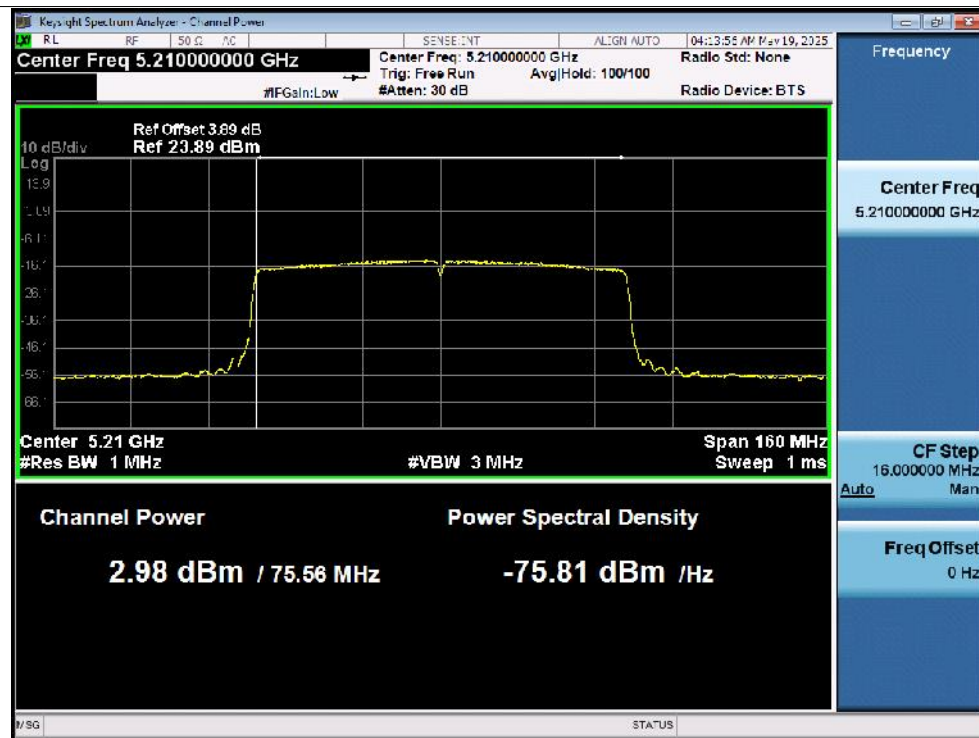
Power NVNT ac40 5755MHz Ant1



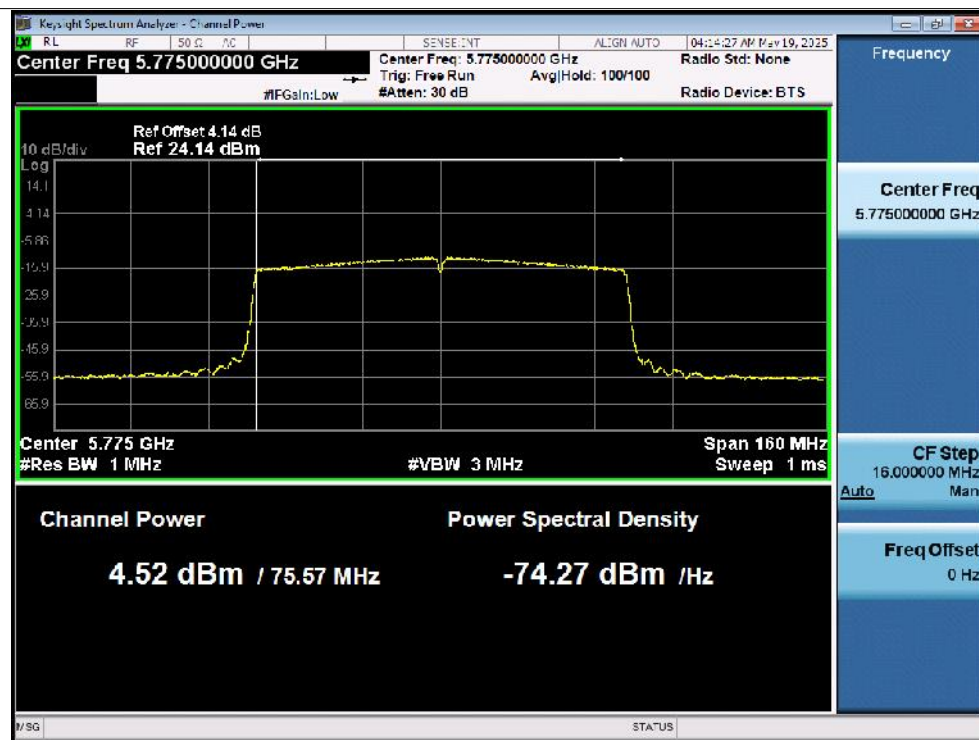
Power NVNT ac40 5795MHz Ant1



Power NVNT ac80 5210MHz Ant1



Power NVNT ac80 5775MHz Ant1

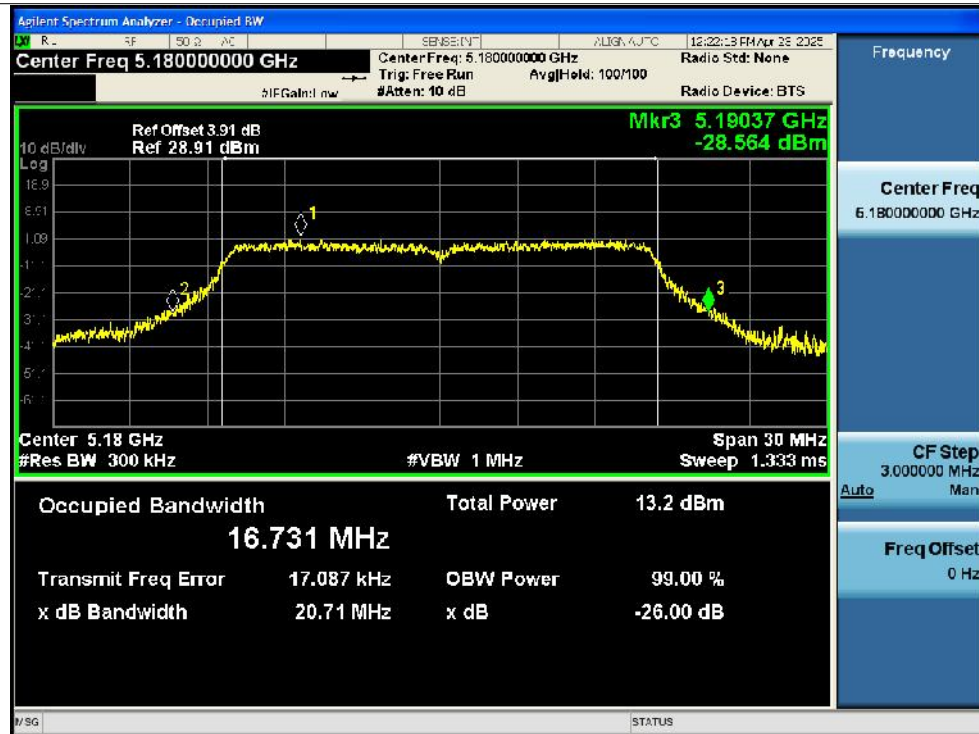


-26dB Bandwidth

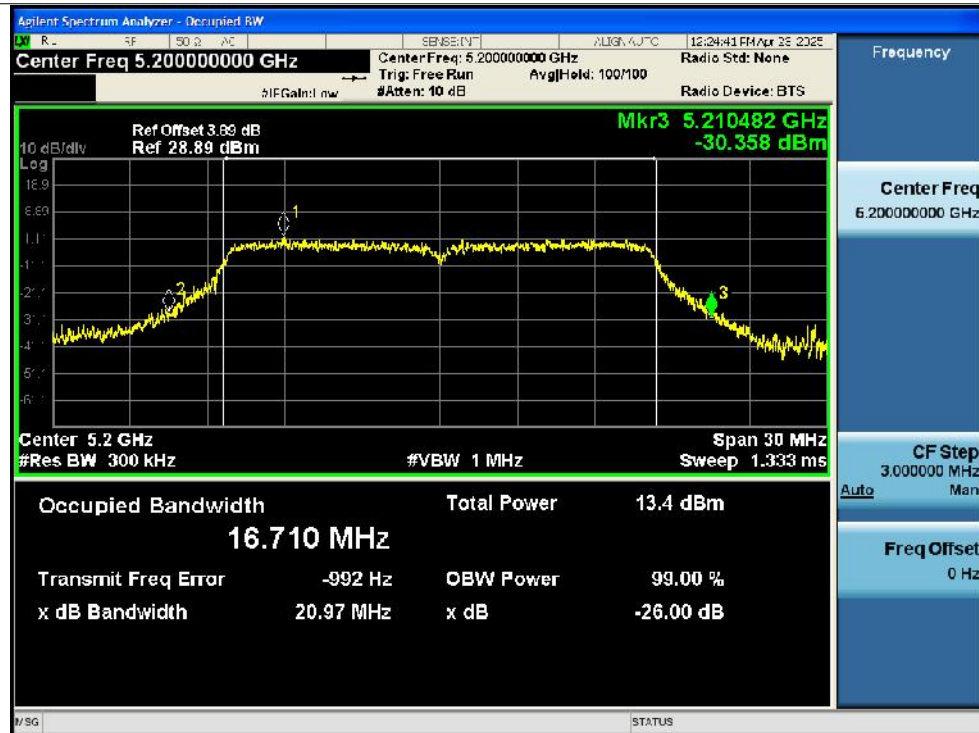
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.706	Pass
NVNT	a	5200	Ant1	20.966	Pass
NVNT	a	5240	Ant1	21.01	Pass
NVNT	n20	5180	Ant1	20.673	Pass
NVNT	n20	5200	Ant1	21.038	Pass
NVNT	n20	5240	Ant1	21.698	Pass
NVNT	n40	5190	Ant1	40.096	Pass
NVNT	n40	5230	Ant1	40.495	Pass
NVNT	ac20	5180	Ant1	21.836	Pass
NVNT	ac20	5200	Ant1	21.814	Pass
NVNT	ac20	5240	Ant1	21.571	Pass
NVNT	ac40	5190	Ant1	39.794	Pass
NVNT	ac40	5230	Ant1	39.757	Pass
NVNT	ac80	5210	Ant1	79.431	Pass

Test Graphs

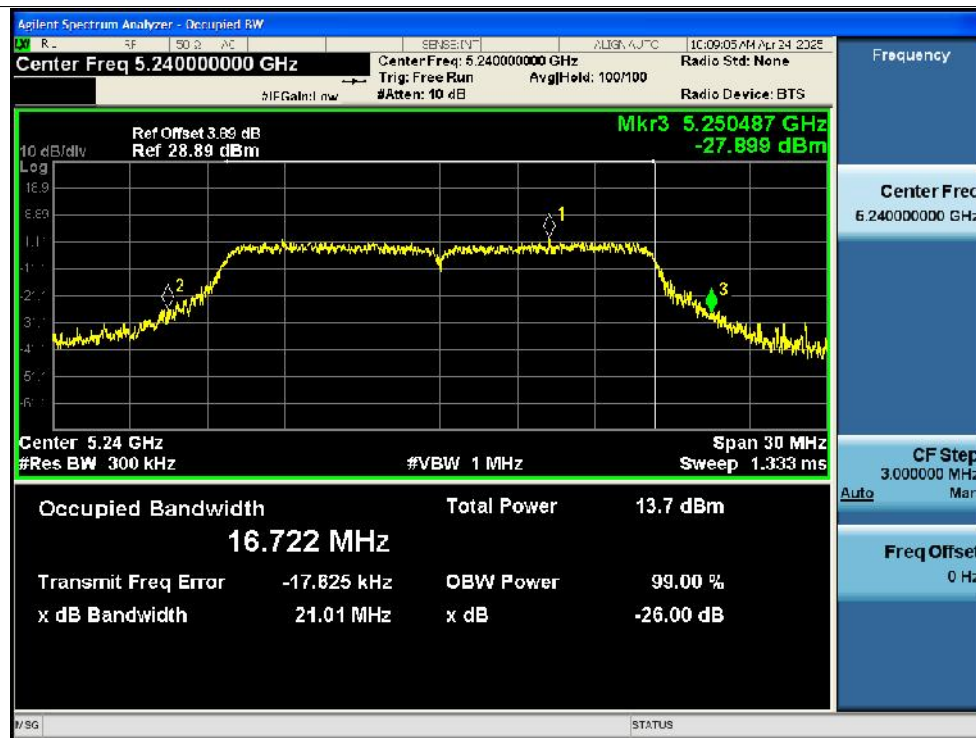
-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



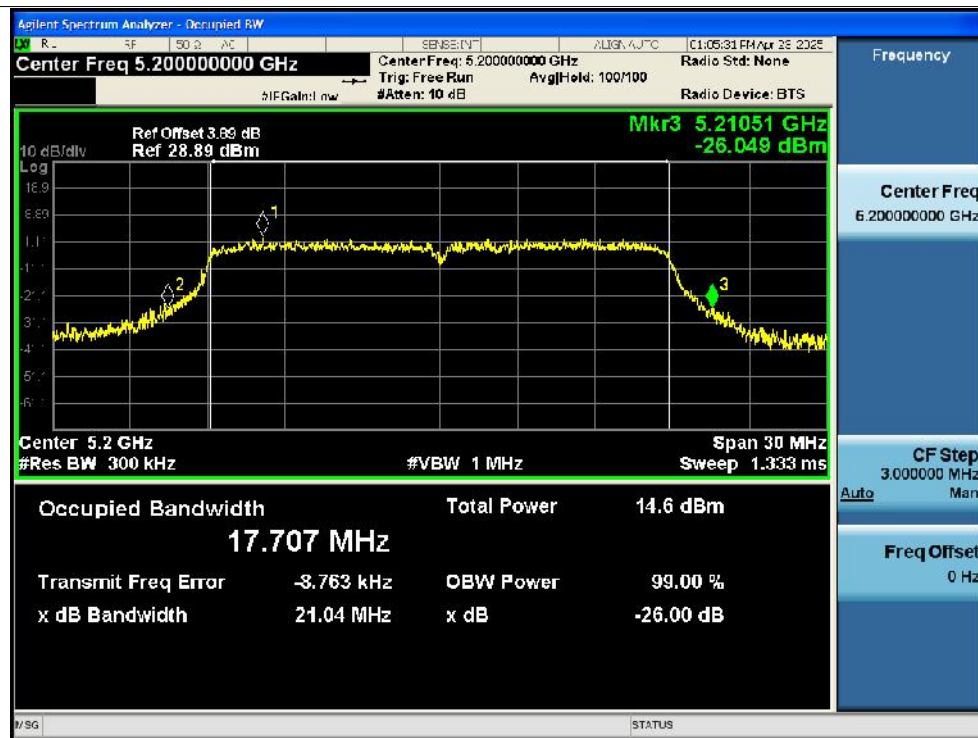
-26dB Bandwidth NVNT a 5240MHz Ant1



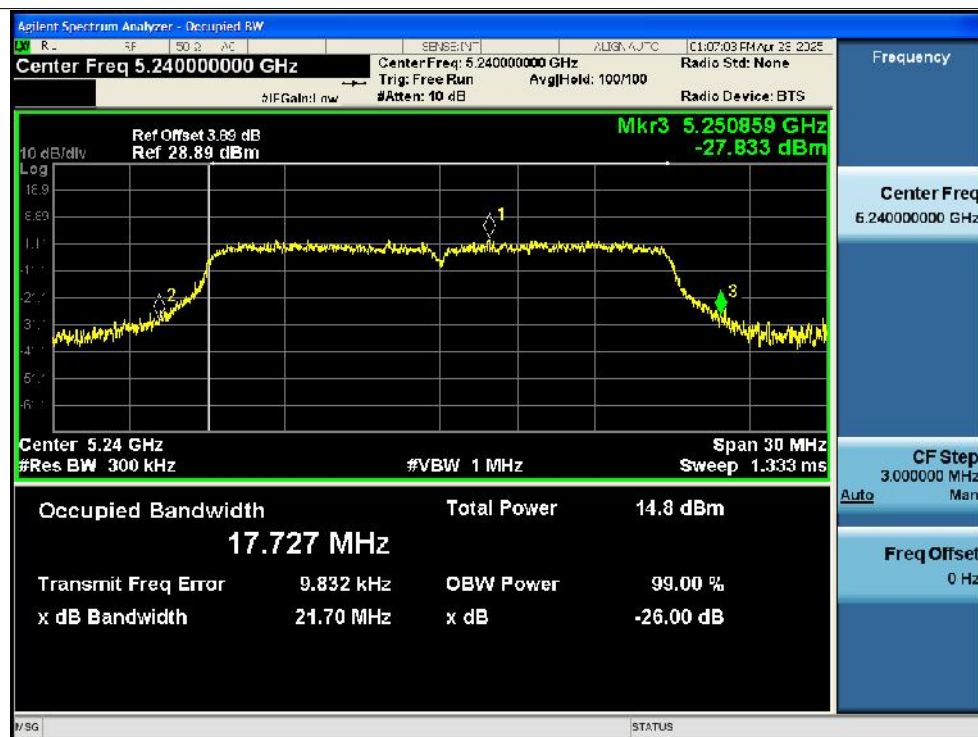
-26dB Bandwidth NVNT n20 5180MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant1



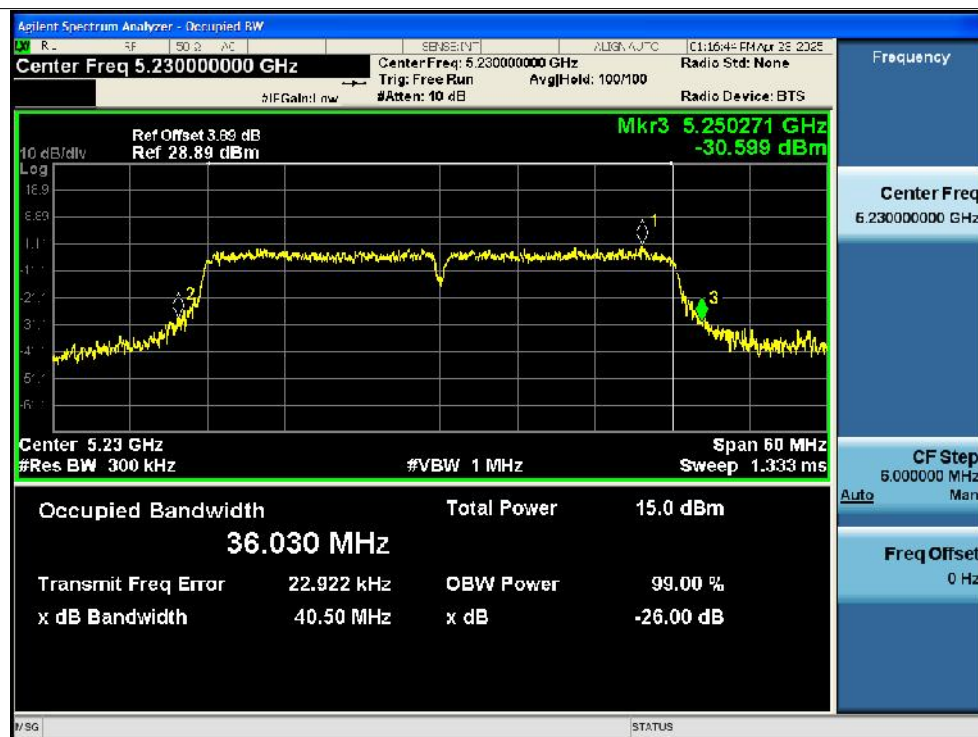
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1



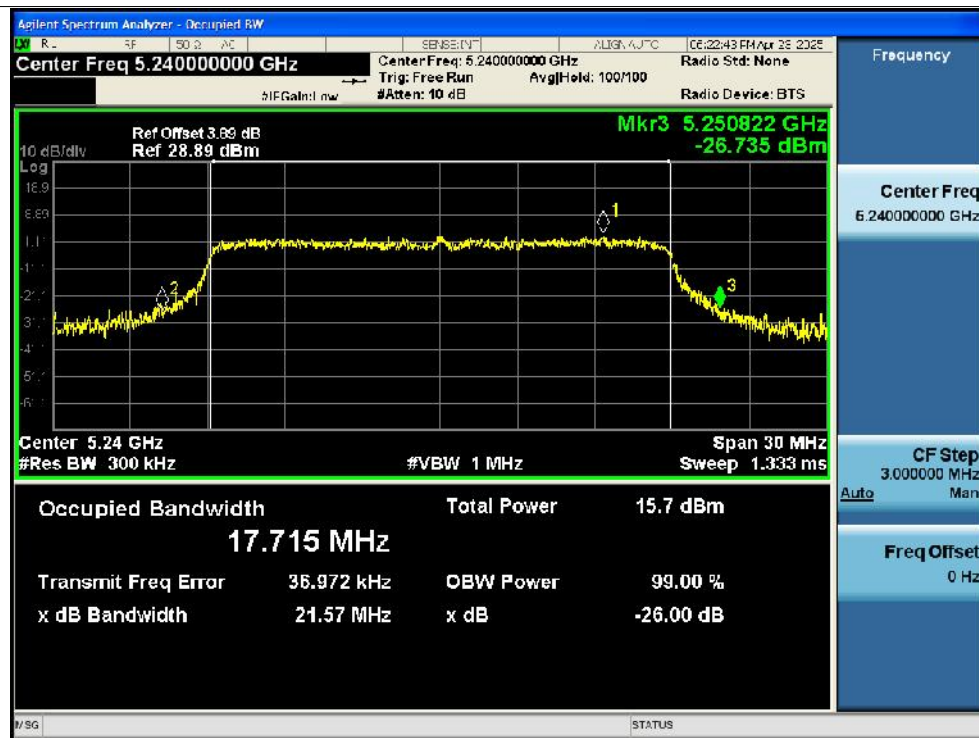
-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



-26dB Bandwidth NVNT ac20 5240MHz Ant1



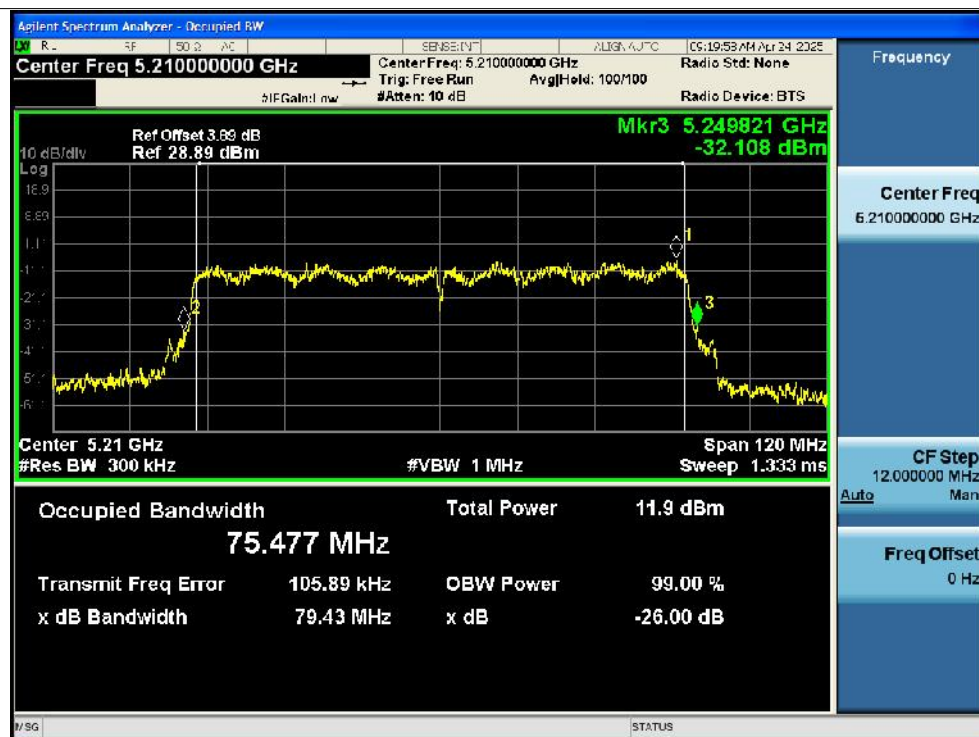
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.567
NVNT	a	5200	Ant1	16.581
NVNT	a	5240	Ant1	16.537
NVNT	a	5745	Ant1	16.572
NVNT	a	5785	Ant1	16.553
NVNT	a	5825	Ant1	16.551
NVNT	n20	5180	Ant1	17.658
NVNT	n20	5200	Ant1	17.597
NVNT	n20	5240	Ant1	17.626
NVNT	n20	5745	Ant1	17.637
NVNT	n20	5785	Ant1	17.619
NVNT	n20	5825	Ant1	17.612
NVNT	n40	5190	Ant1	36.058
NVNT	n40	5230	Ant1	59.337
NVNT	n40	5755	Ant1	36.011
NVNT	n40	5795	Ant1	36.055
NVNT	ac20	5180	Ant1	17.654
NVNT	ac20	5200	Ant1	17.661
NVNT	ac20	5240	Ant1	17.625
NVNT	ac20	5745	Ant1	17.616
NVNT	ac20	5785	Ant1	17.593
NVNT	ac20	5825	Ant1	17.58
NVNT	ac40	5190	Ant1	36.096
NVNT	ac40	5230	Ant1	36.081
NVNT	ac40	5755	Ant1	36.117
NVNT	ac40	5795	Ant1	36.159
NVNT	ac80	5210	Ant1	75.562
NVNT	ac80	5775	Ant1	75.565