

FCC Appendix RF Test Data for 5G WIFI

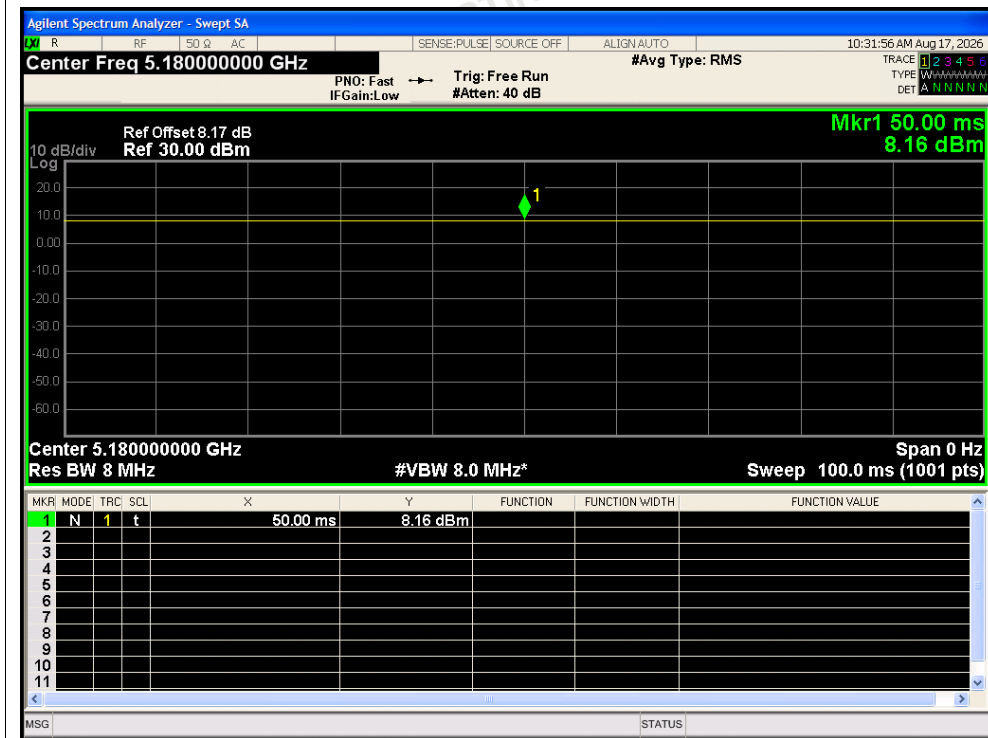
FCC ID : 2A525AFF3009LB3W
Company : Jiangsu Zhong Heng Pet Articles Joint-stock CO., LTD
EUT : Automatic Cat Feeder with 3 Bowls WiFi
Model Number : AFF300-9L-B3-W
Report No. : CTA26081003402
Reviewed By : Eric Wang

Duty Cycle

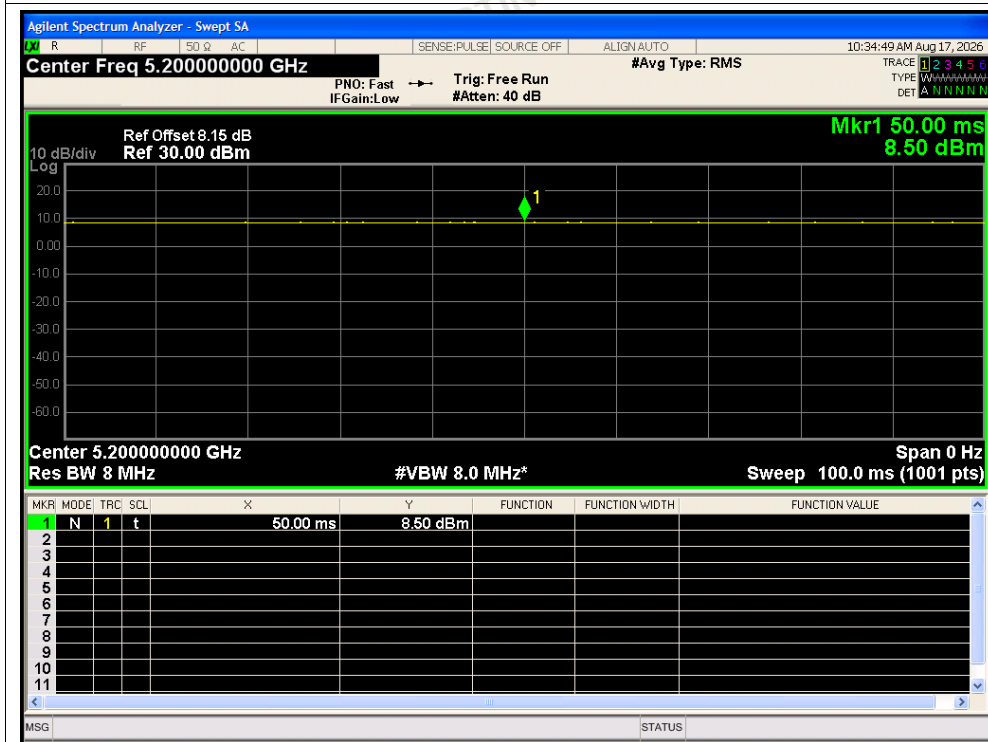
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5180	100	0
NVNT	a	5200	100	0
NVNT	a	5240	100	0
NVNT	n20	5180	100	0
NVNT	n20	5200	100	0
NVNT	n20	5240	100	0
NVNT	n40	5190	100	0
NVNT	n40	5230	100	0
NVNT	a	5260	100	0
NVNT	a	5280	100	0
NVNT	a	5320	100	0
NVNT	n20	5260	100	0
NVNT	n20	5280	100	0
NVNT	n20	5320	100	0
NVNT	n40	5270	100	0
NVNT	n40	5310	100	0
NVNT	a	5500	100	0
NVNT	a	5600	100	0
NVNT	a	5700	100	0
NVNT	n20	5500	100	0
NVNT	n20	5600	100	0
NVNT	n20	5700	100	0
NVNT	n40	5510	100	0
NVNT	n40	5590	100	0
NVNT	n40	5670	100	0
NVNT	a	5745	100	0
NVNT	a	5785	100	0
NVNT	a	5825	100	0
NVNT	n20	5745	100	0
NVNT	n20	5785	100	0
NVNT	n20	5825	100	0
NVNT	n40	5755	100	0
NVNT	n40	5795	100	0

Test Graphs

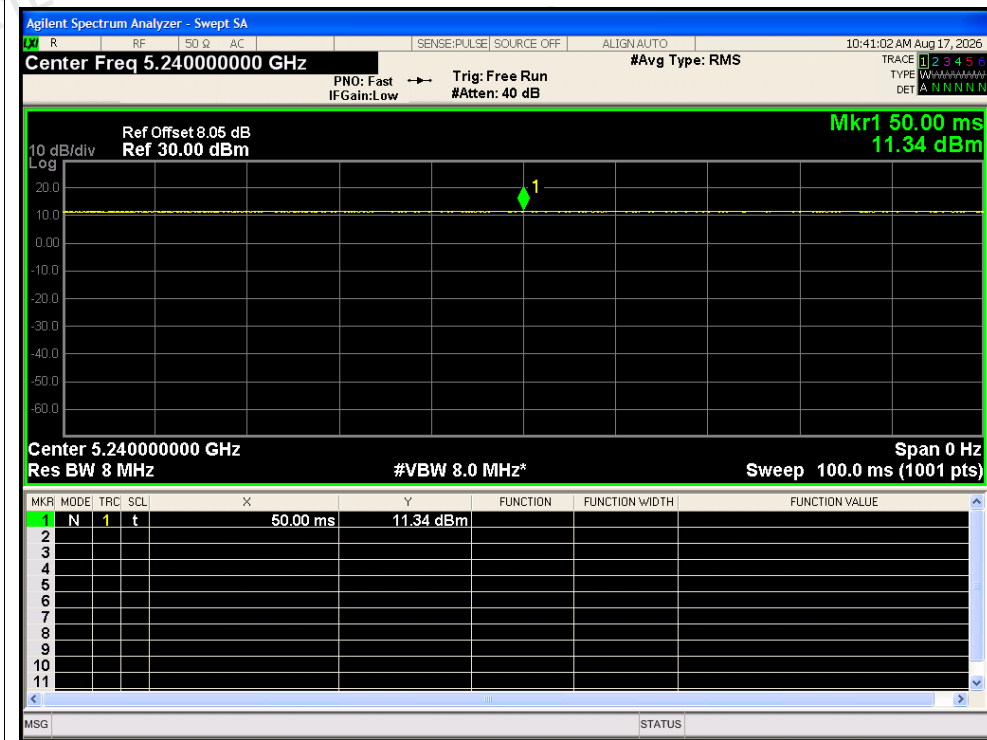
Duty Cycle NVNT a 5180MHz



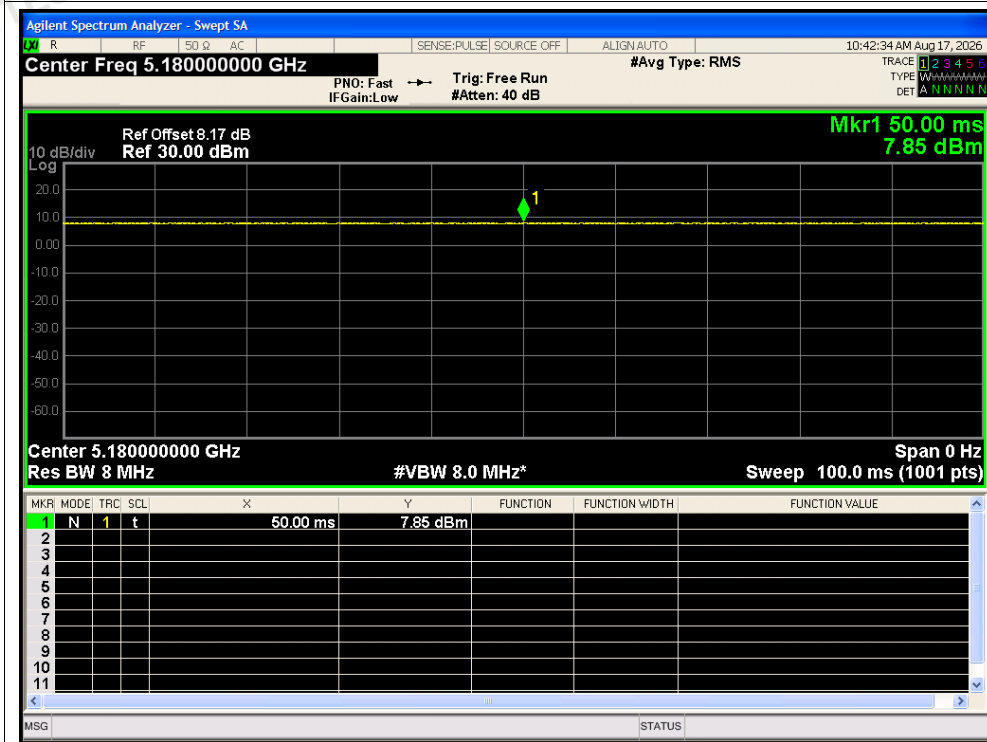
Duty Cycle NVNT a 5200MHz



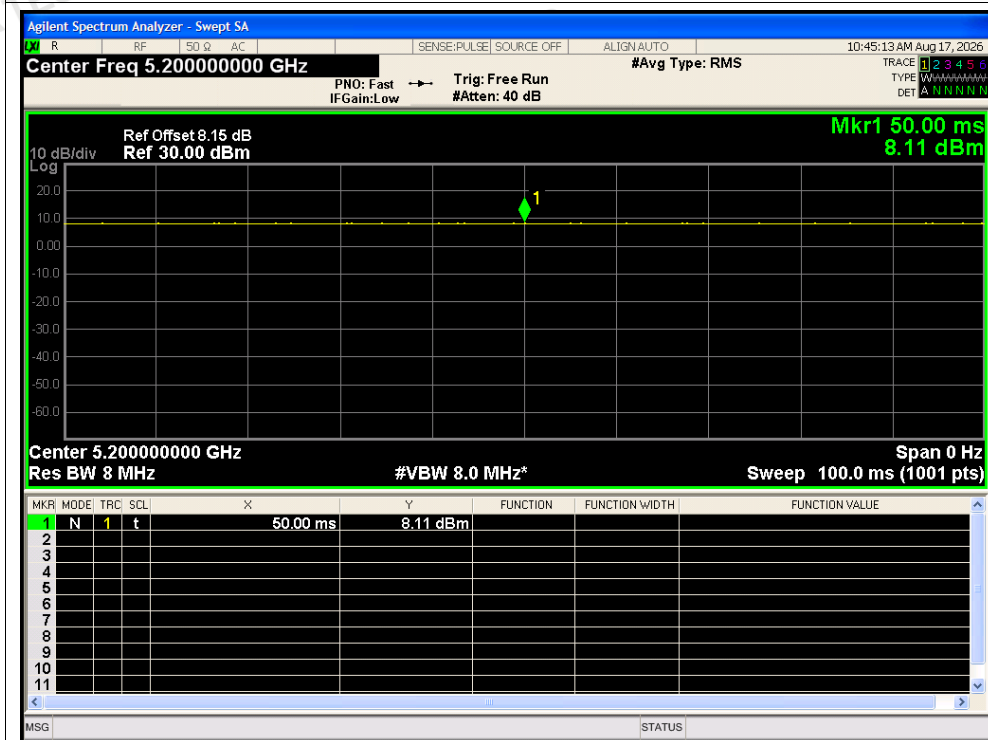
Duty Cycle NVNT a 5240MHz



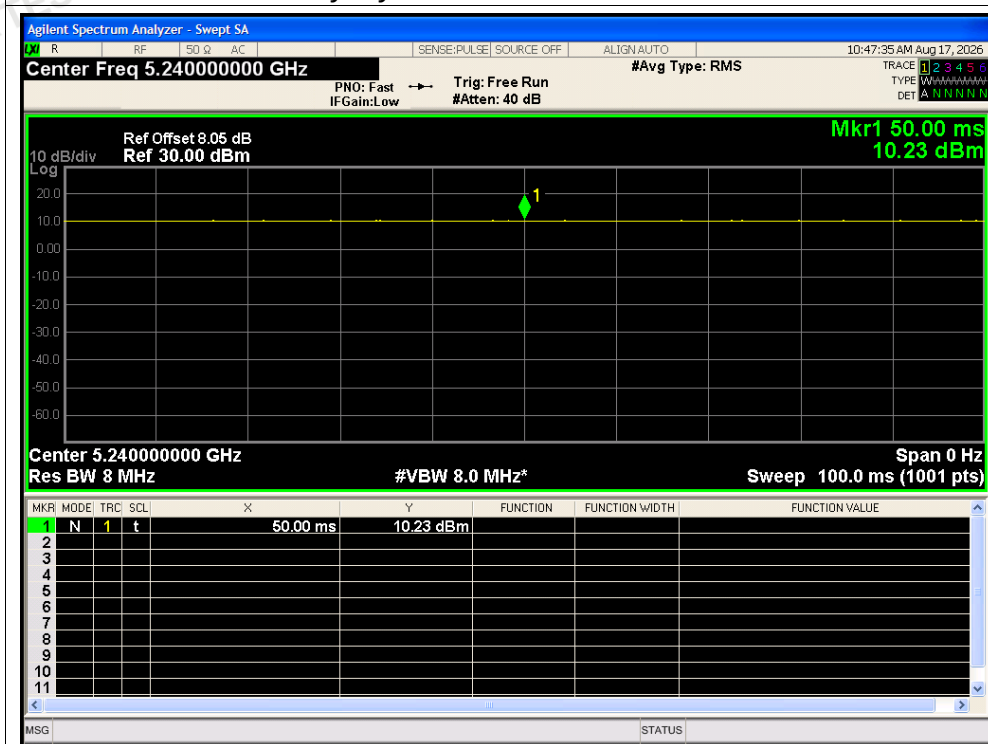
Duty Cycle NVNT n20 5180MHz



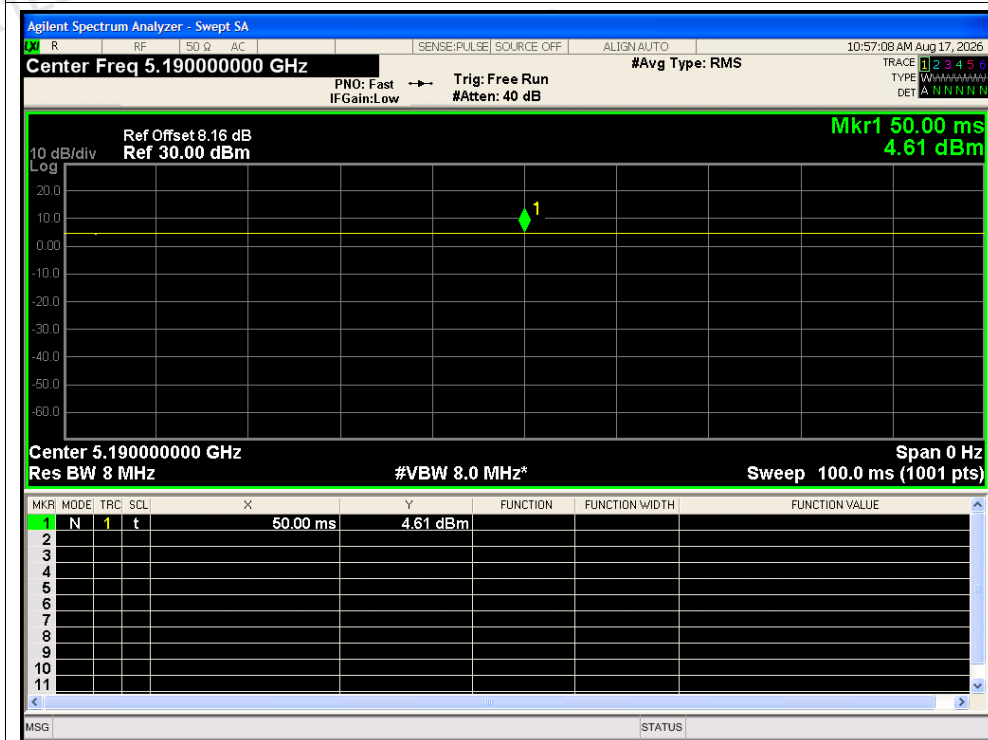
Duty Cycle NVNT n20 5200MHz



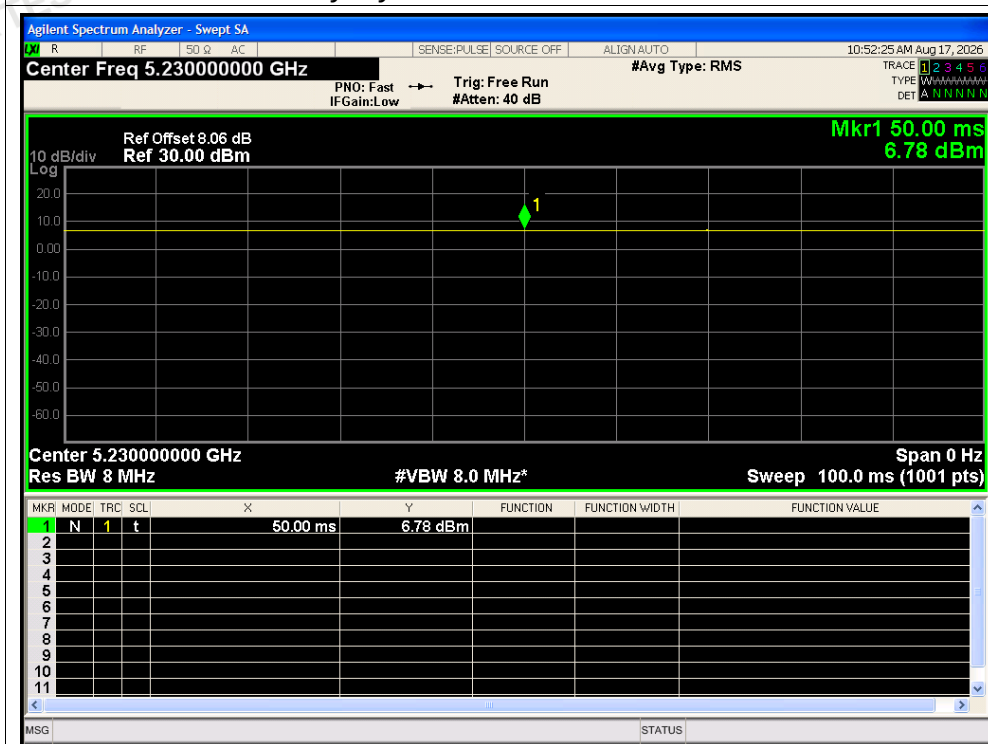
Duty Cycle NVNT n20 5240MHz



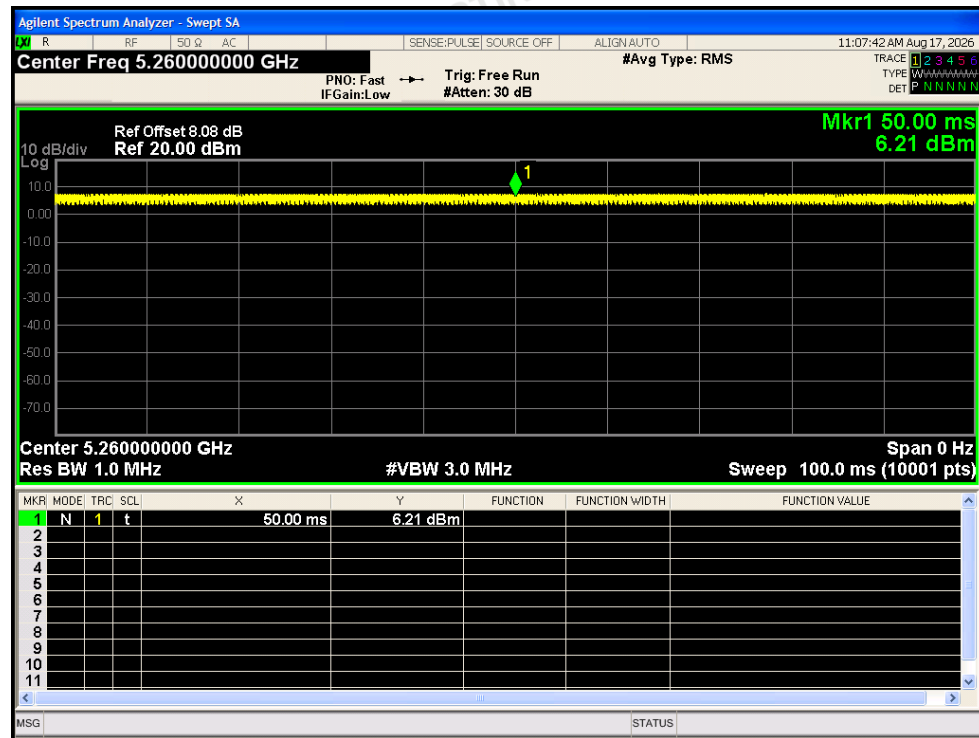
Duty Cycle NVNT n40 5190MHz



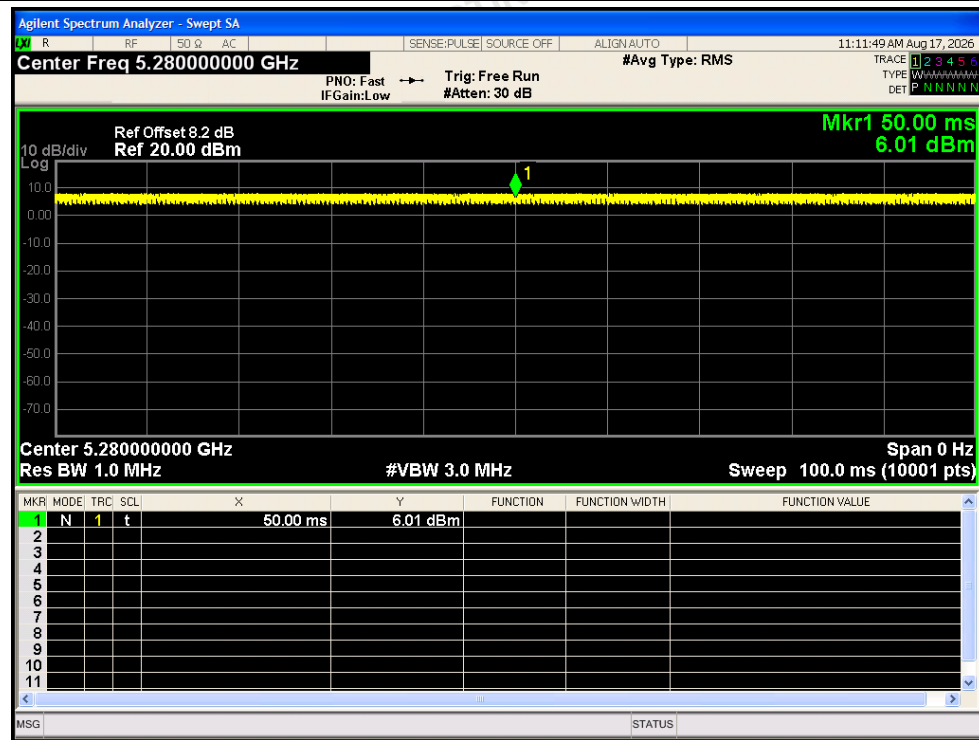
Duty Cycle NVNT n40 5230MHz



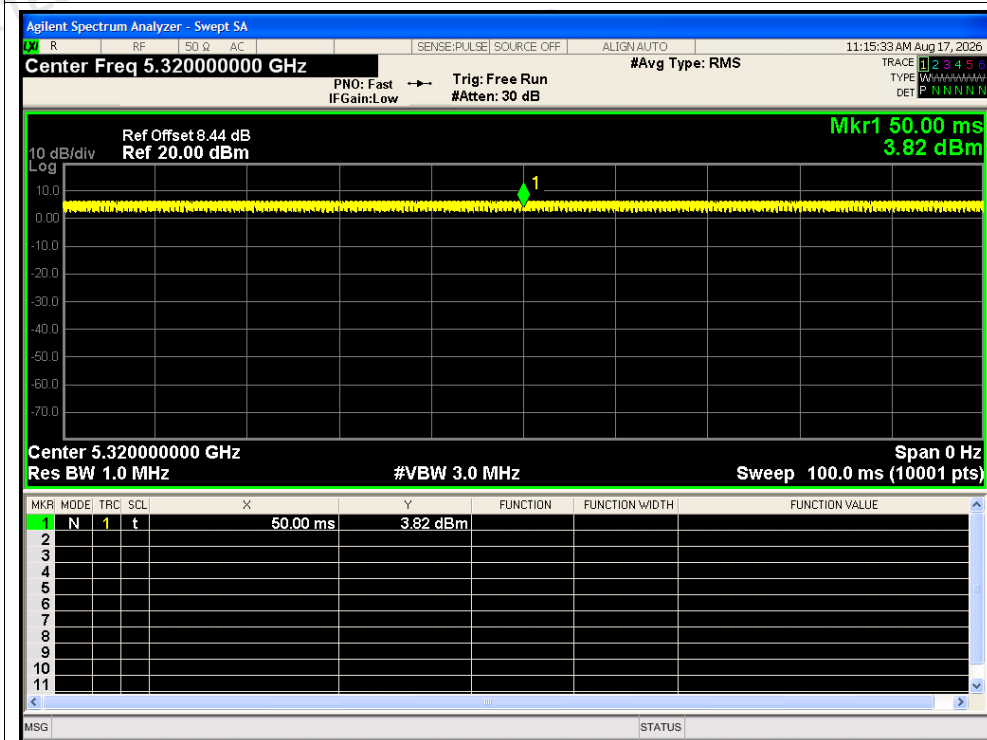
Duty Cycle NVNT a 5260MHz



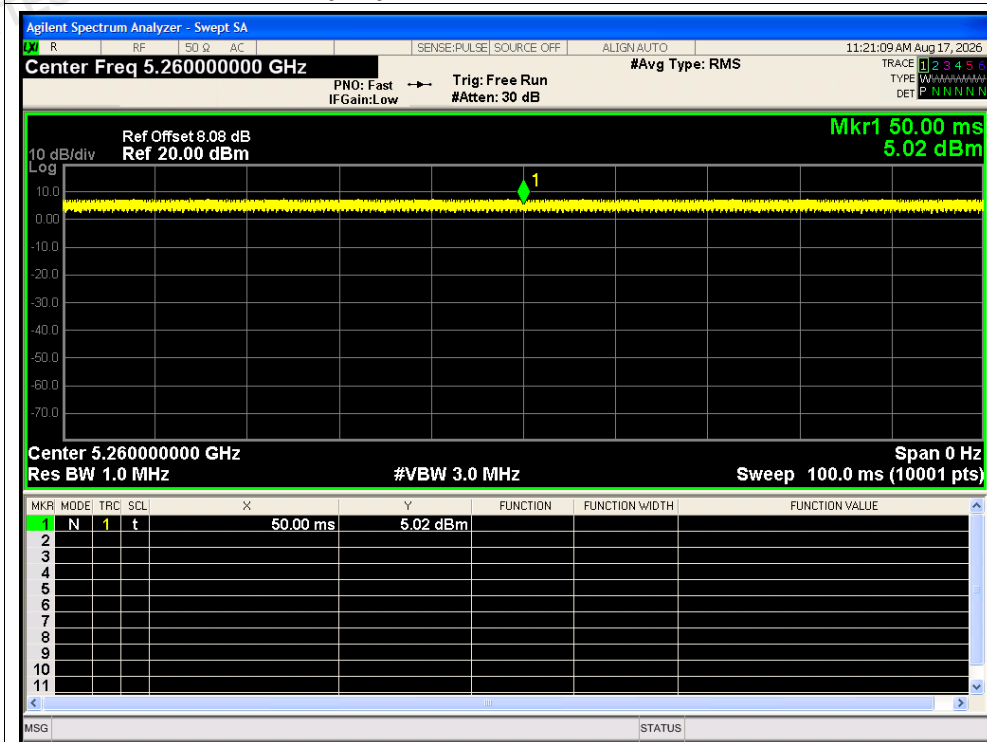
Duty Cycle NVNT a 5280MHz



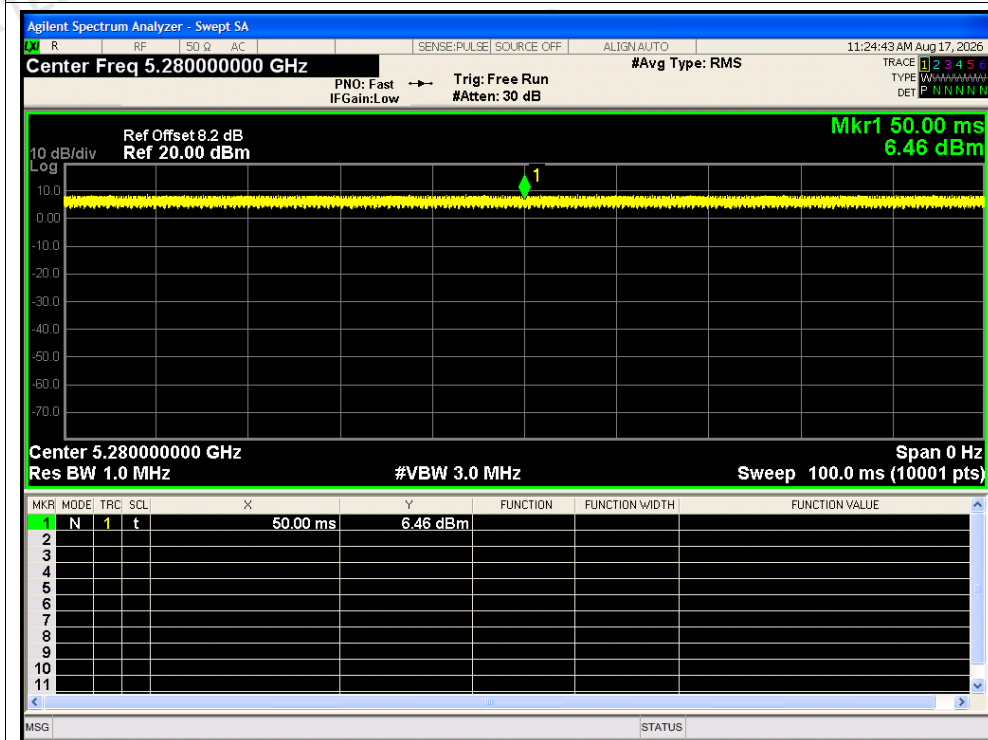
Duty Cycle NVNT a 5320MHz



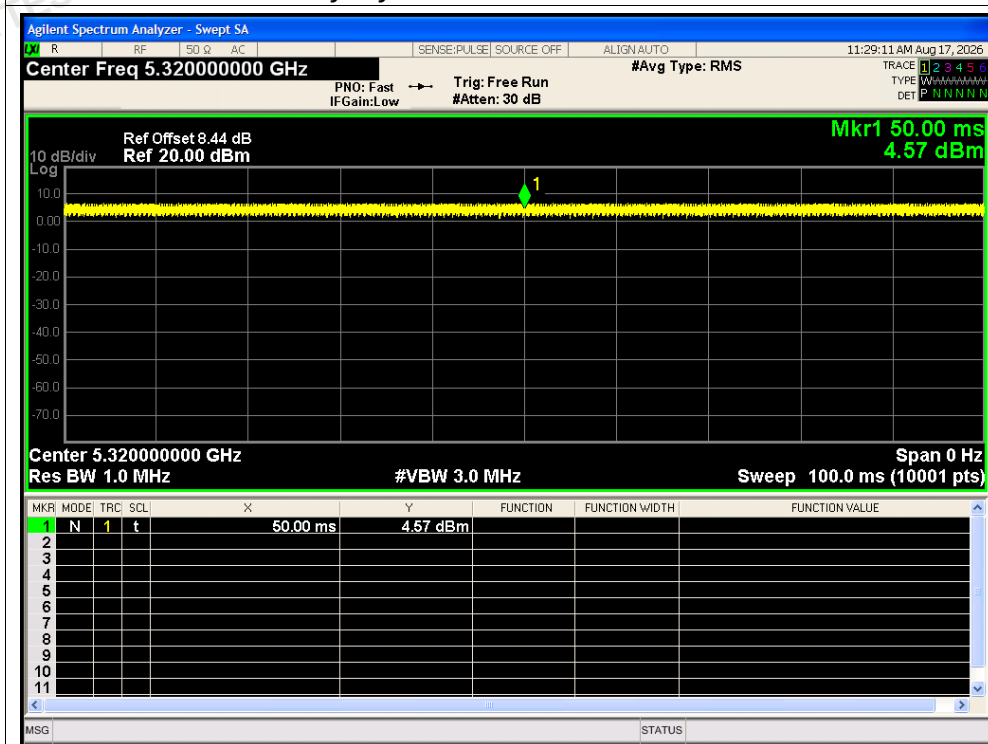
Duty Cycle NVNT n20 5260MHz



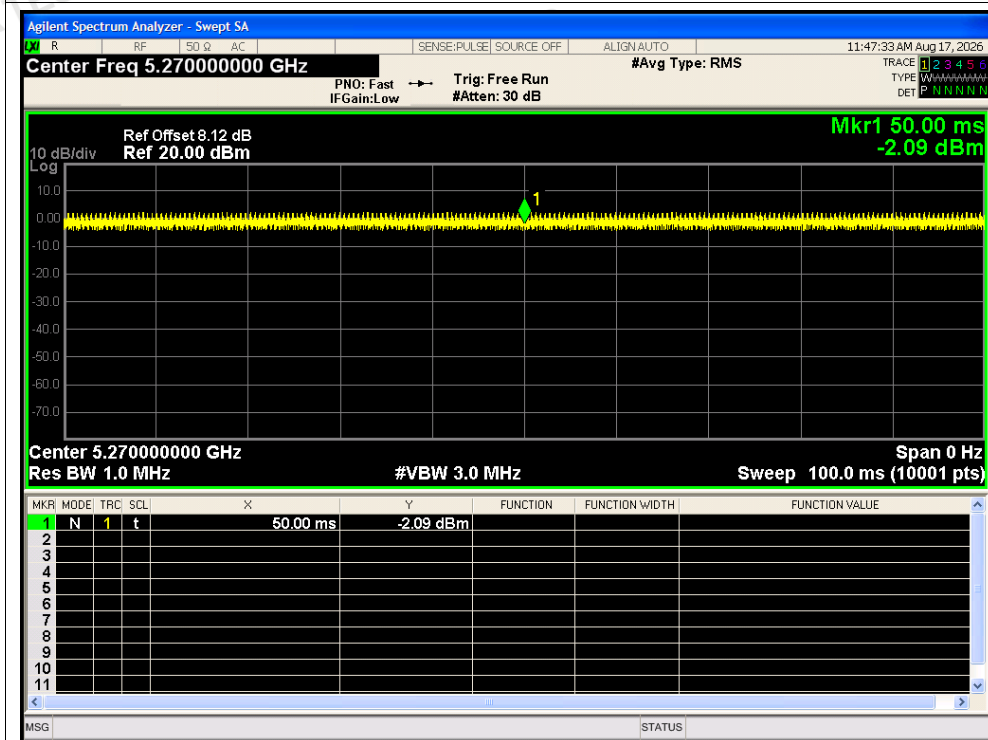
Duty Cycle NVNT n20 5280MHz



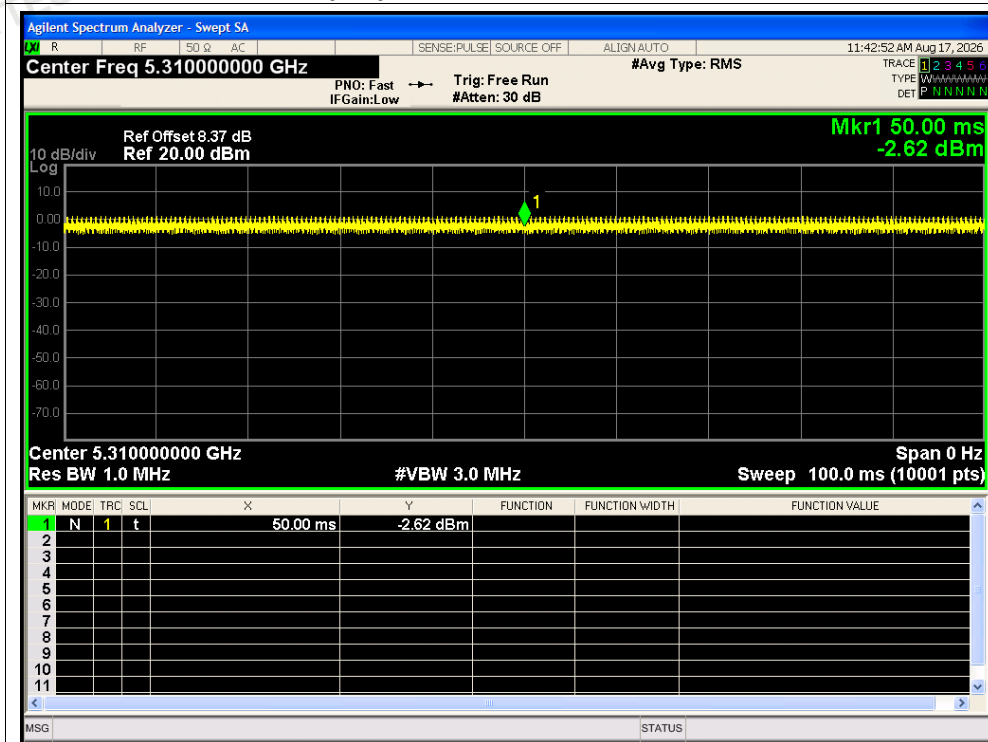
Duty Cycle NVNT n20 5320MHz



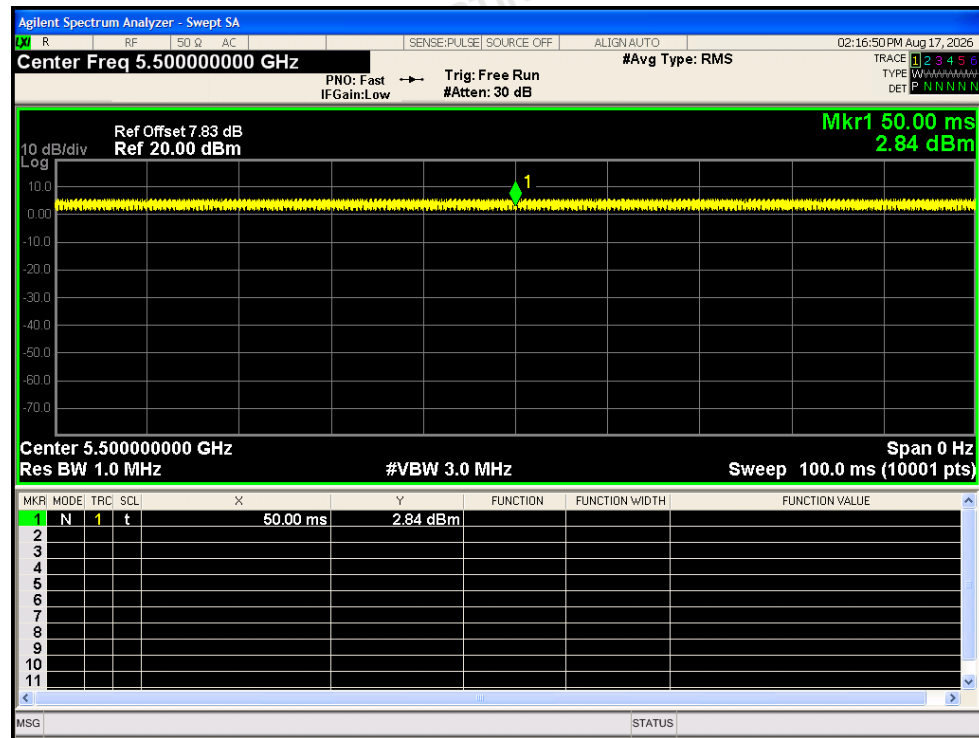
Duty Cycle NVNT n40 5270MHz



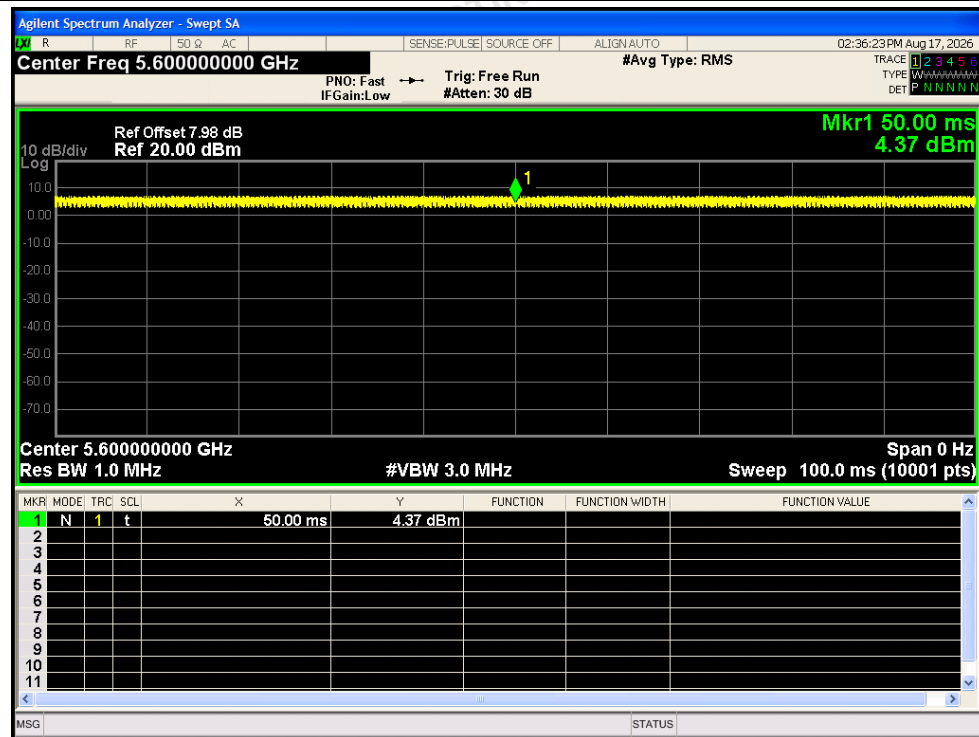
Duty Cycle NVNT n40 5310MHz



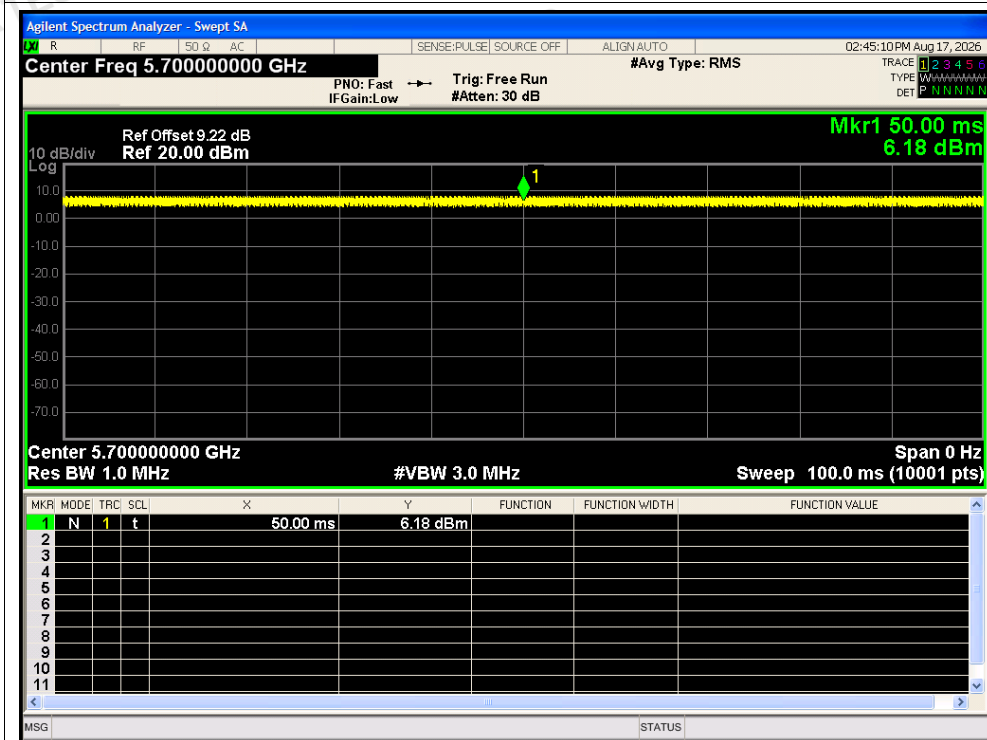
Duty Cycle NVNT a 5500MHz



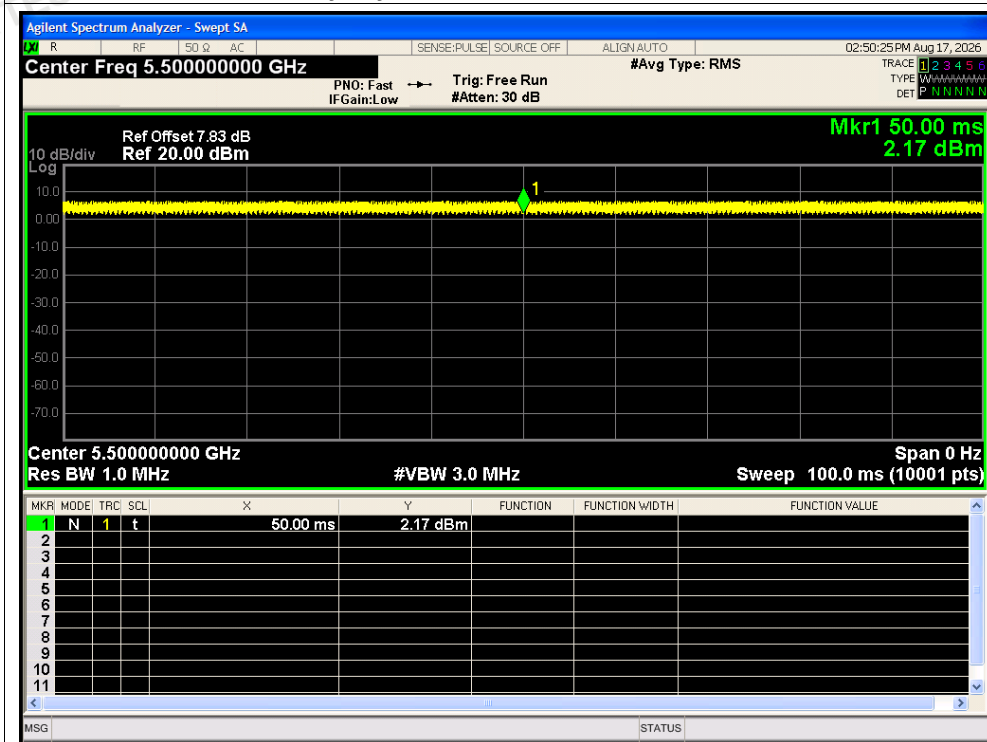
Duty Cycle NVNT a 5600MHz



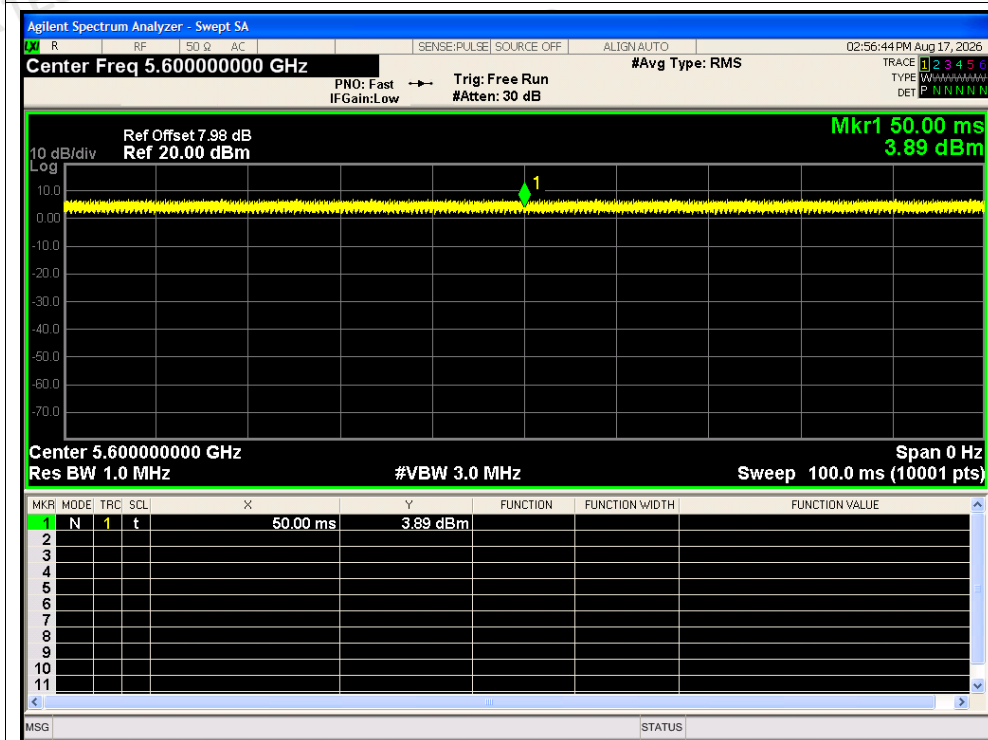
Duty Cycle NVNT a 5700MHz



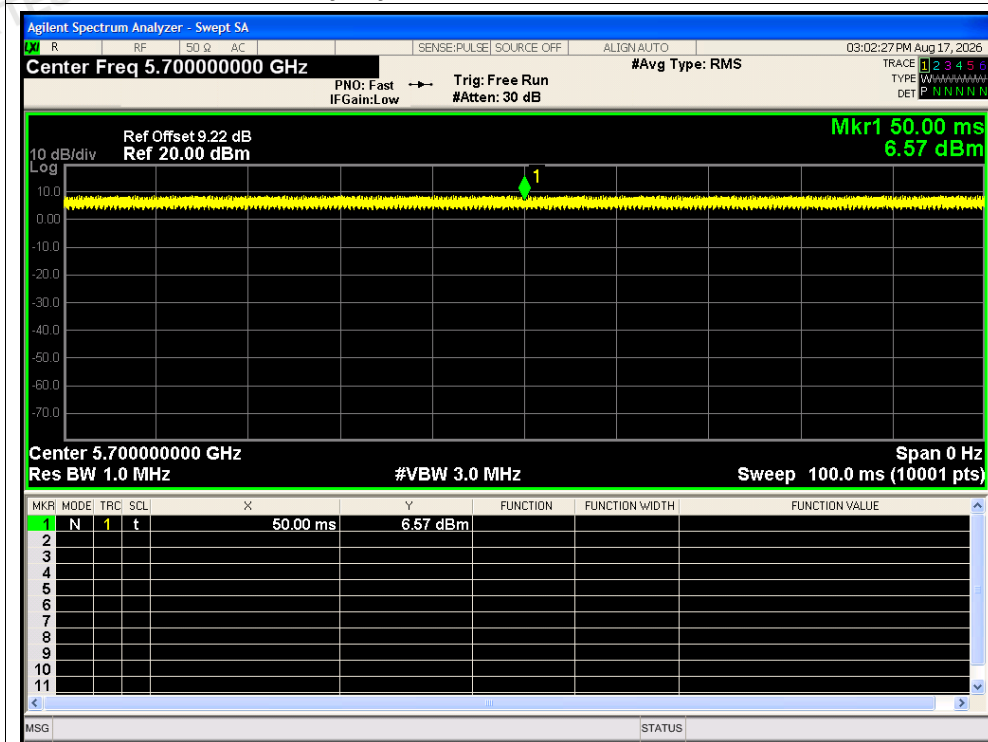
Duty Cycle NVNT n20 5500MHz



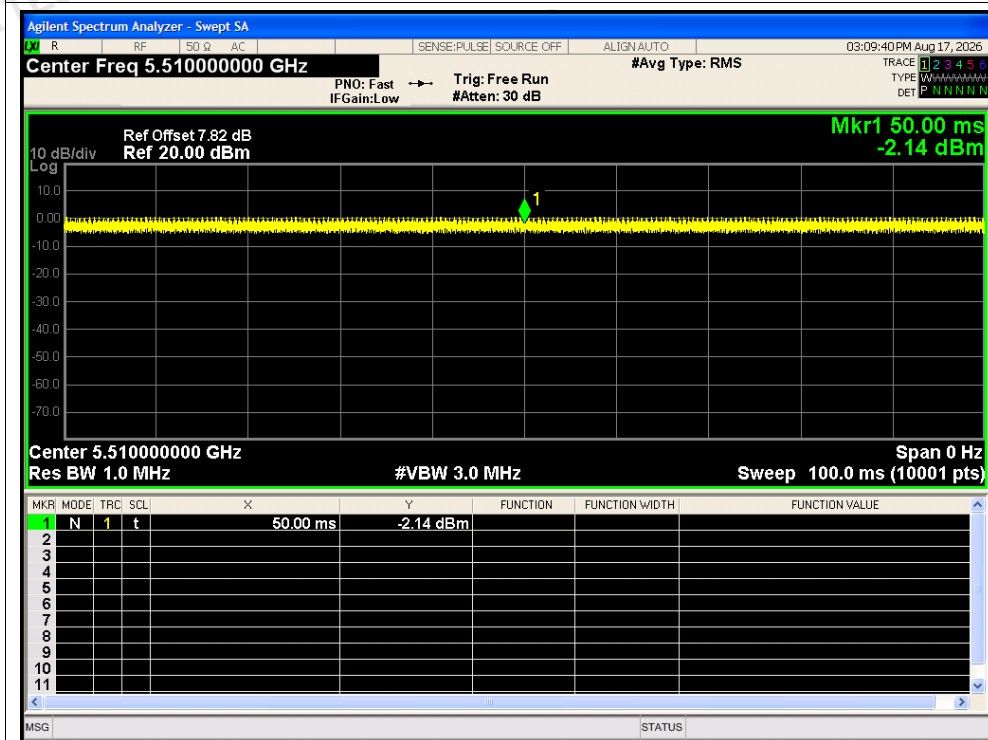
Duty Cycle NVNT n20 5600MHz



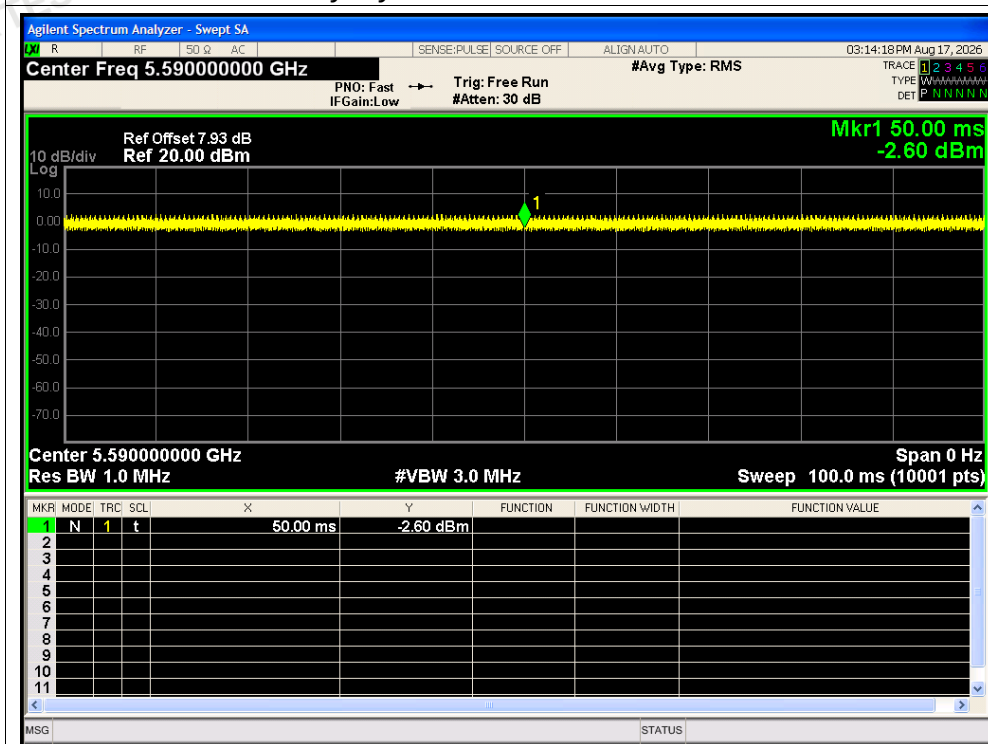
Duty Cycle NVNT n20 5700MHz



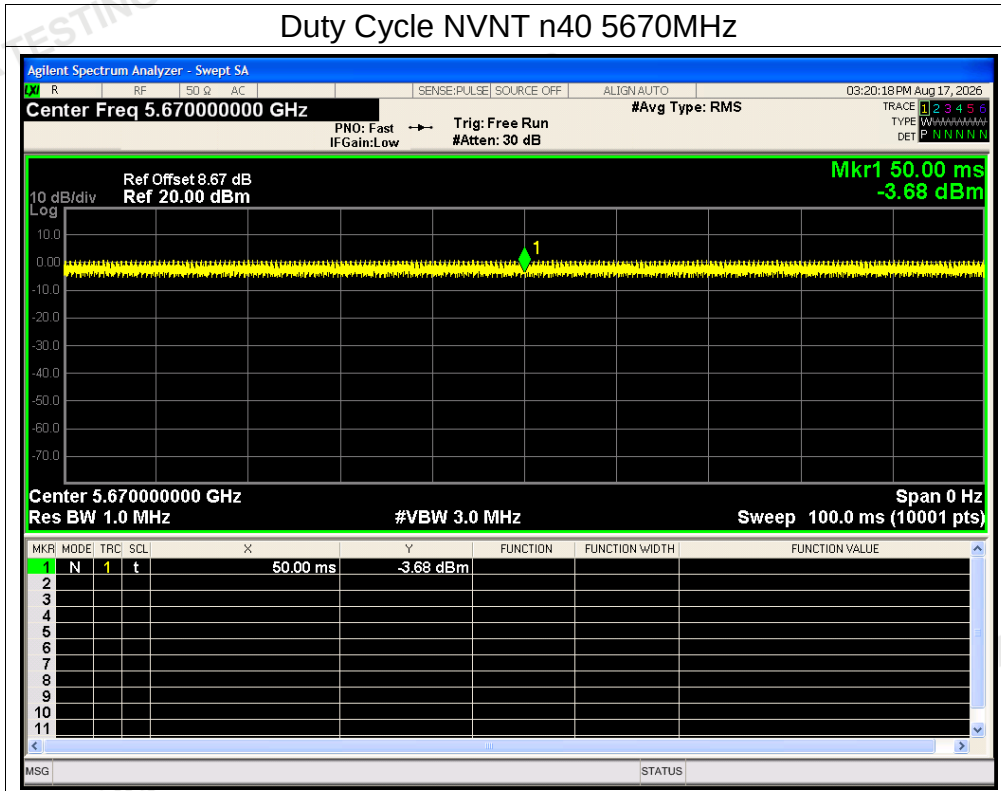
Duty Cycle NVNT n40 5510MHz



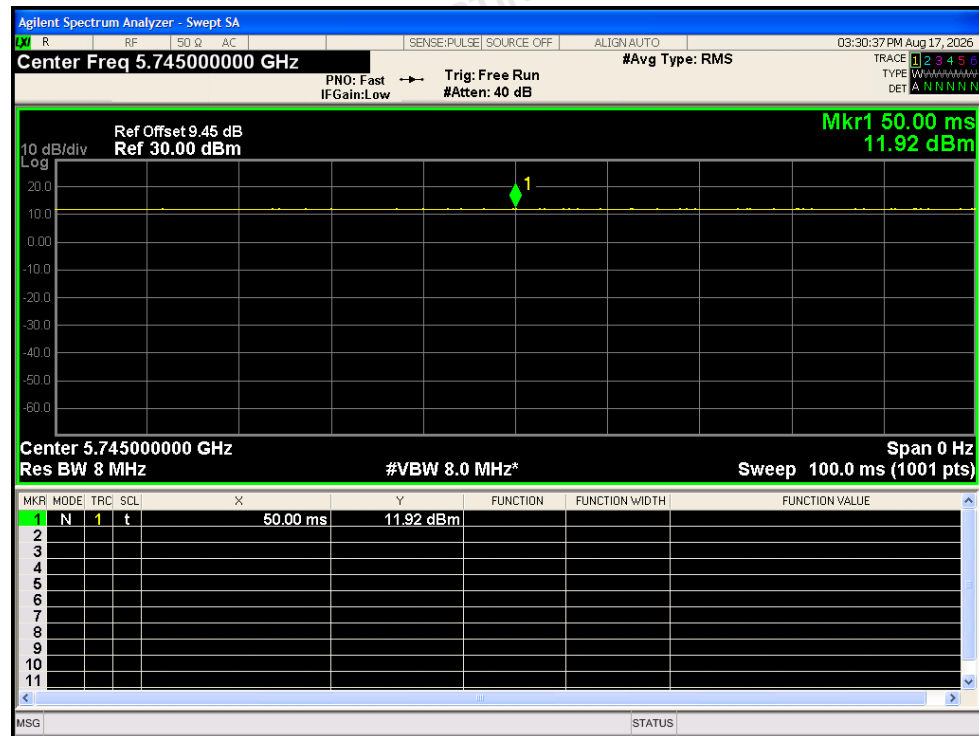
Duty Cycle NVNT n40 5590MHz



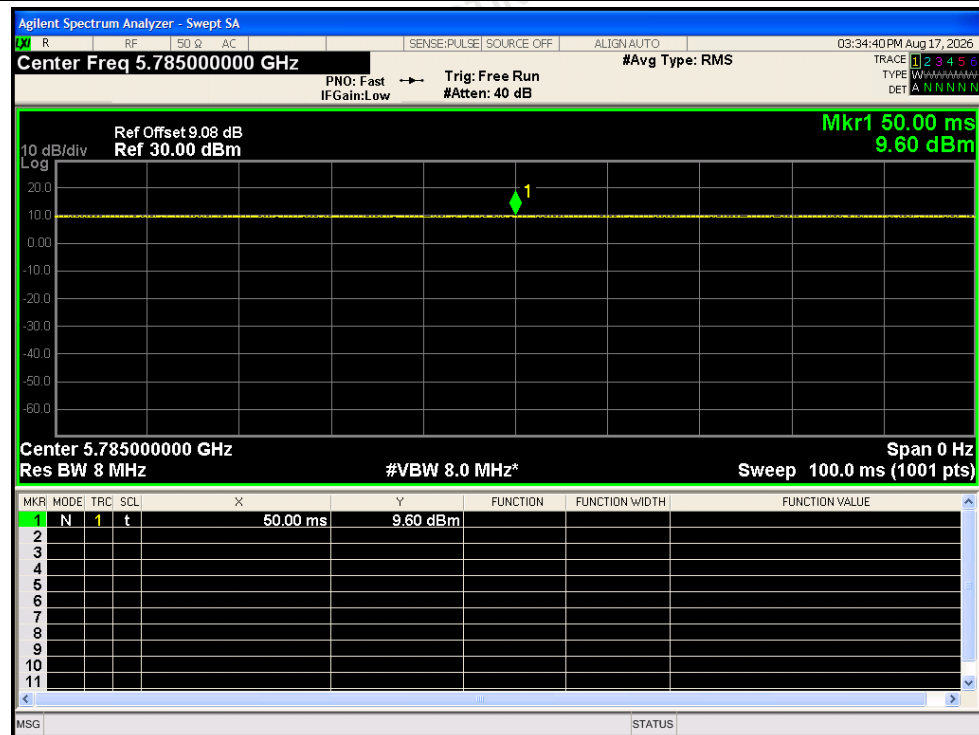
Duty Cycle NVNT n40 5670MHz



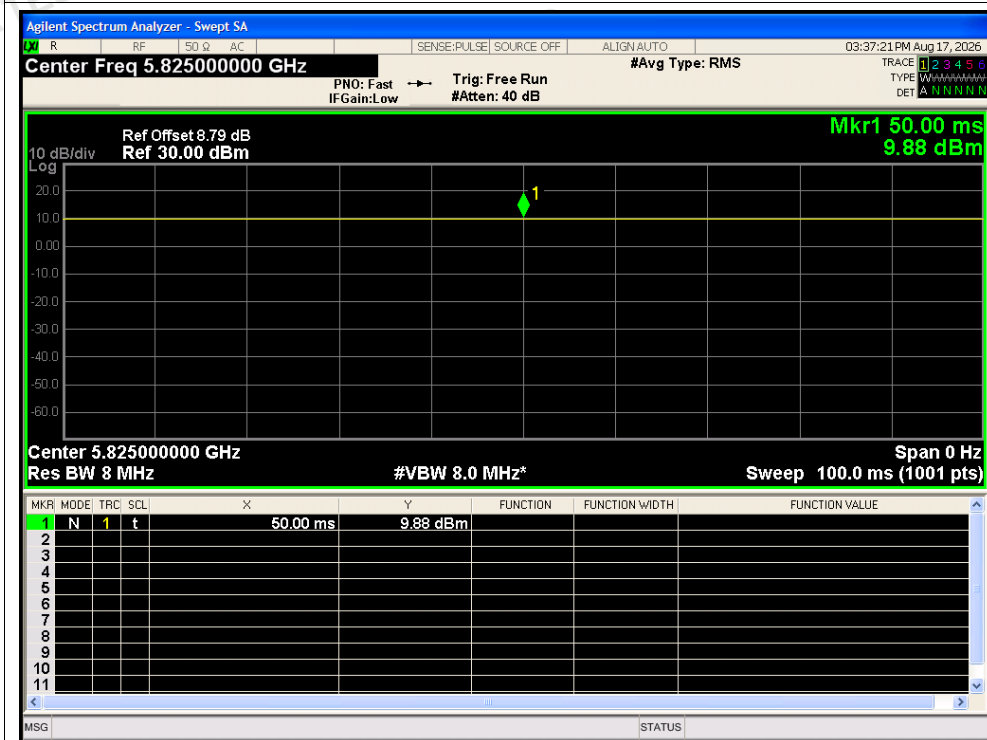
Duty Cycle NVNT a 5745MHz



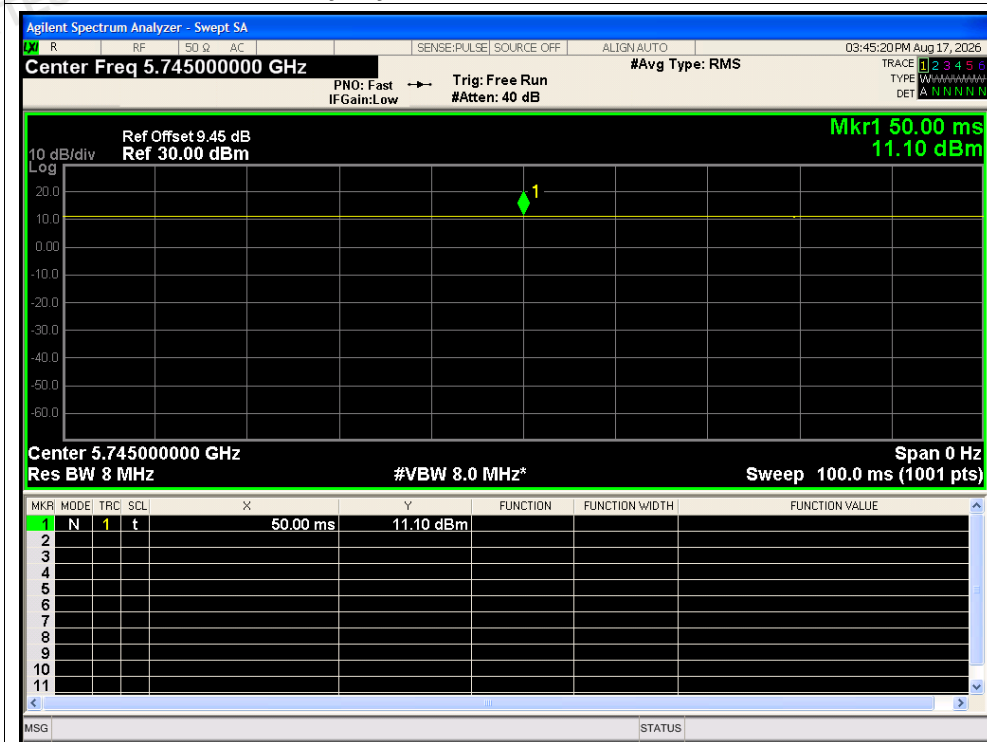
Duty Cycle NVNT a 5785MHz



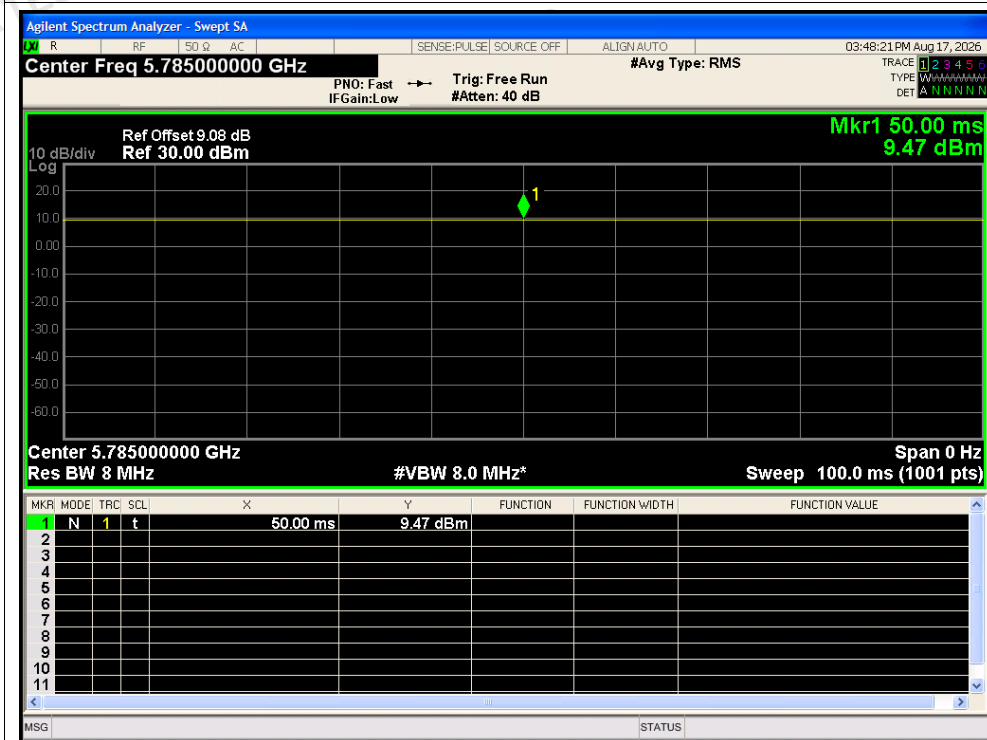
Duty Cycle NVNT a 5825MHz



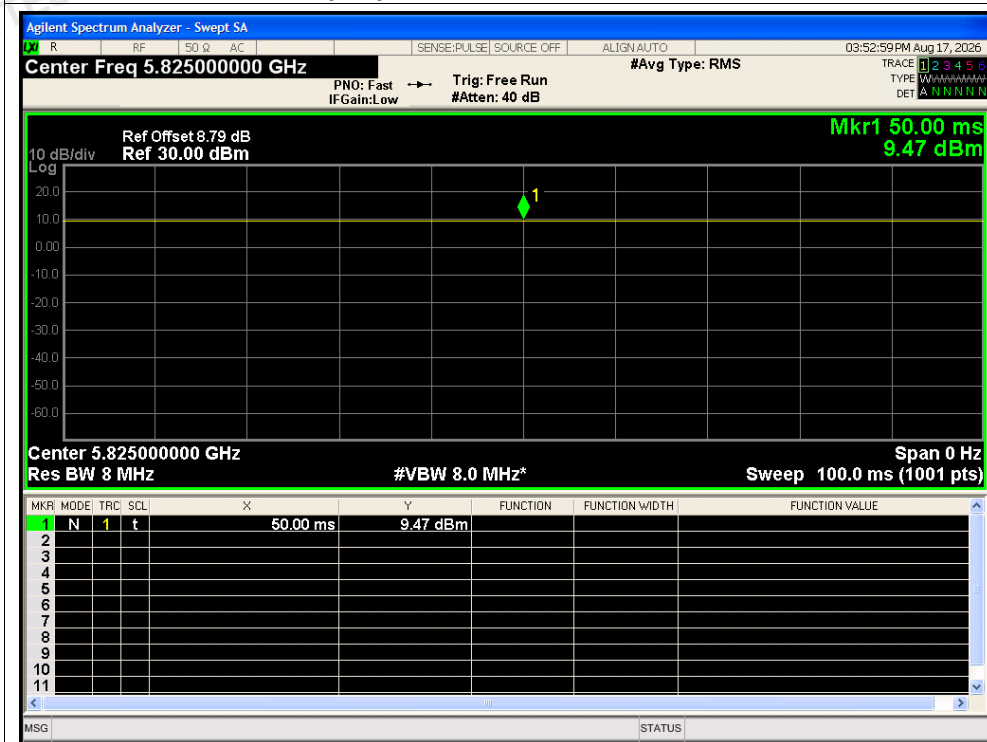
Duty Cycle NVNT n20 5745MHz



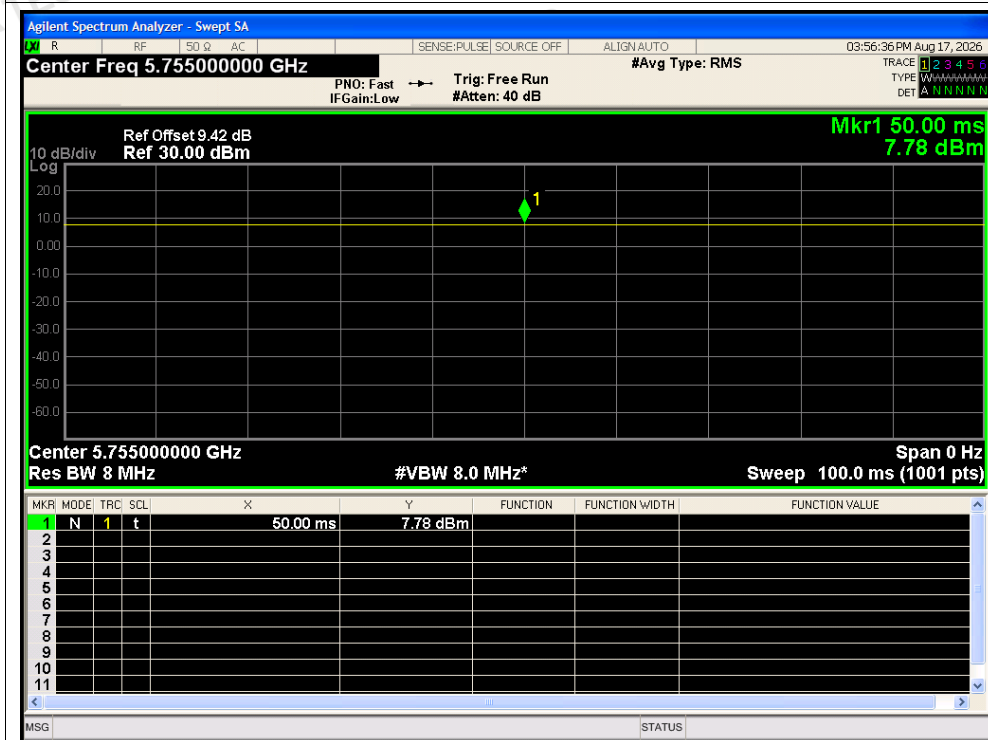
Duty Cycle NVNT n20 5785MHz



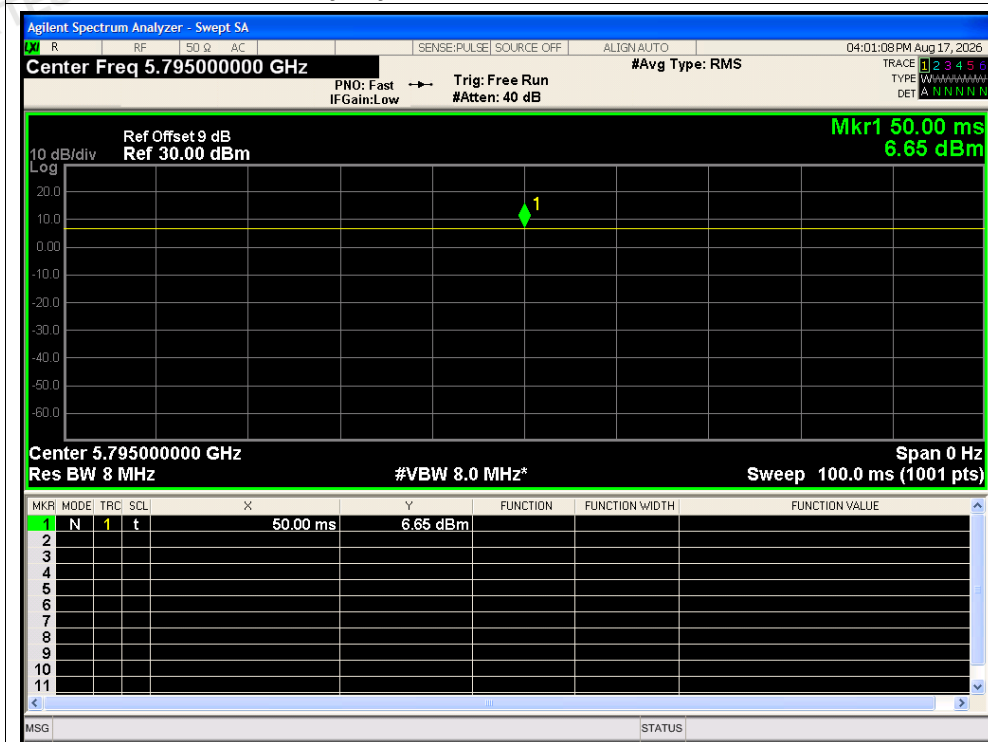
Duty Cycle NVNT n20 5825MHz



Duty Cycle NVNT n40 5755MHz



Duty Cycle NVNT n40 5795MHz



Maximum Conducted Output Power

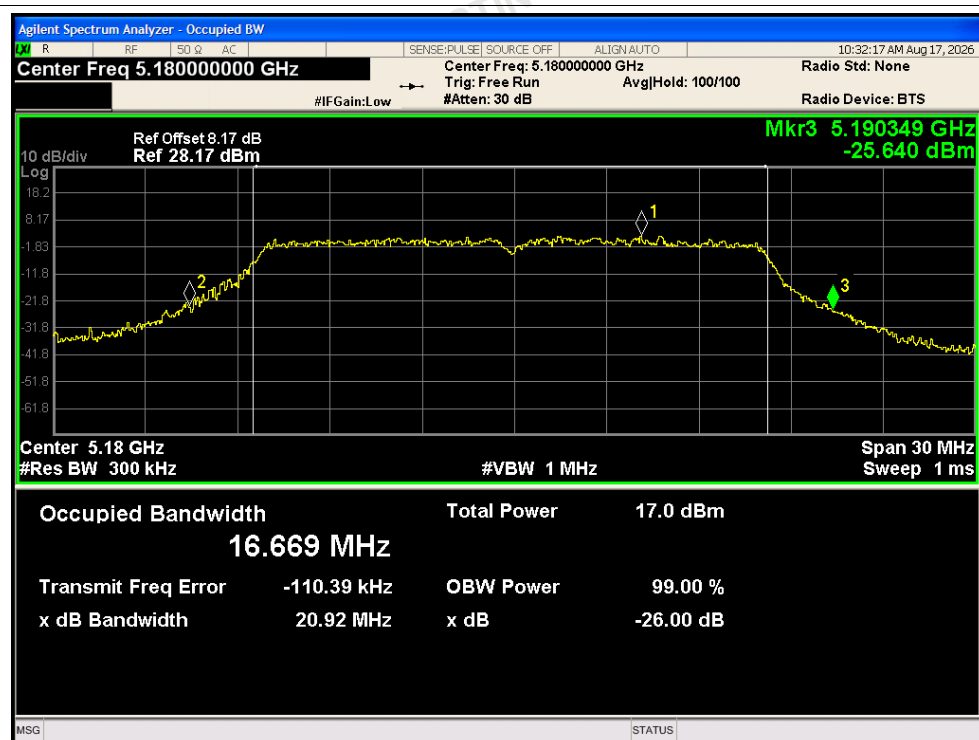
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	10.40	24	Pass
NVNT	a	5200	10.74	24	Pass
NVNT	a	5240	13.18	24	Pass
NVNT	n20	5180	10.40	24	Pass
NVNT	n20	5200	10.62	24	Pass
NVNT	n20	5240	12.13	24	Pass
NVNT	n40	5190	10.33	24	Pass
NVNT	n40	5230	12.24	24	Pass
NVNT	a	5260	12.38	24	Pass
NVNT	a	5280	13.29	24	Pass
NVNT	a	5320	11.50	24	Pass
NVNT	n20	5260	12.24	24	Pass
NVNT	n20	5280	13.13	24	Pass
NVNT	n20	5320	11.42	24	Pass
NVNT	n40	5270	12.95	24	Pass
NVNT	n40	5310	11.38	24	Pass
NVNT	a	5500	11.28	24	Pass
NVNT	a	5600	12.11	24	Pass
NVNT	a	5700	12.47	24	Pass
NVNT	n20	5500	10.46	24	Pass
NVNT	n20	5600	11.41	24	Pass
NVNT	n20	5700	12.75	24	Pass
NVNT	n40	5510	10.36	24	Pass
NVNT	n40	5590	12.18	24	Pass
NVNT	n40	5670	11.01	24	Pass
NVNT	a	5745	14.32	30	Pass
NVNT	a	5785	11.34	30	Pass
NVNT	a	5825	11.64	30	Pass
NVNT	n20	5745	13.51	30	Pass
NVNT	n20	5785	11.17	30	Pass
NVNT	n20	5825	11.26	30	Pass
NVNT	n40	5755	12.76	30	Pass
NVNT	n40	5795	12.20	30	Pass

-26dB Bandwidth

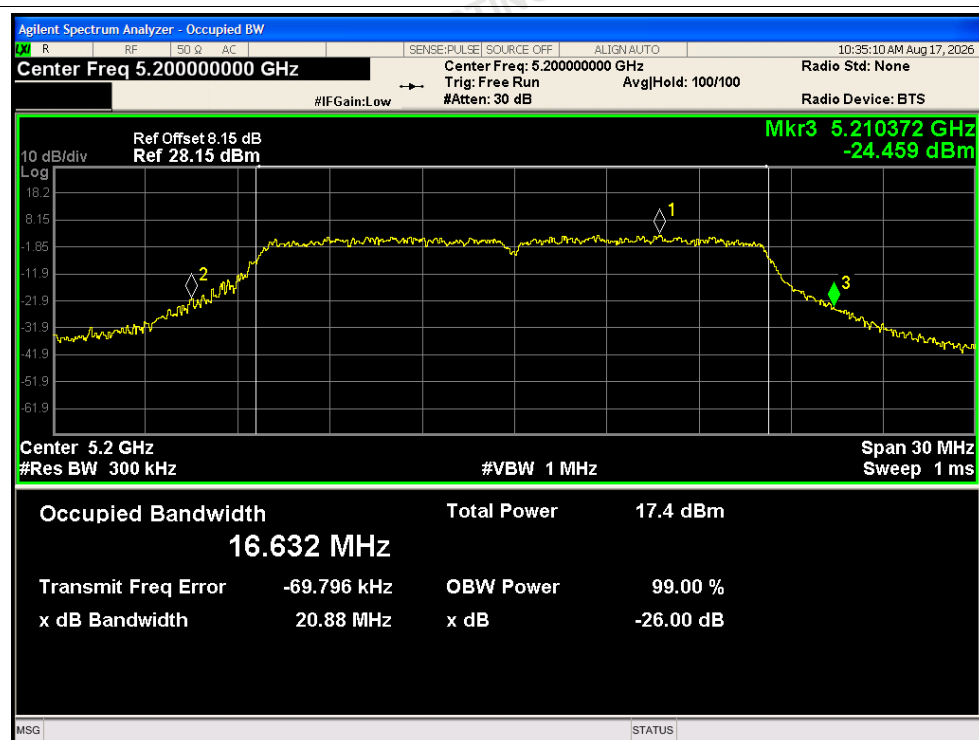
Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	20.919	Pass
NVNT	a	5200	20.884	Pass
NVNT	a	5240	20.726	Pass
NVNT	n20	5180	21.795	Pass
NVNT	n20	5200	21.619	Pass
NVNT	n20	5240	21.481	Pass
NVNT	n40	5190	38.979	Pass
NVNT	n40	5230	38.837	Pass
NVNT	a	5260	20.585	Pass
NVNT	a	5280	20.774	Pass
NVNT	a	5320	21.127	Pass
NVNT	n20	5260	21.625	Pass
NVNT	n20	5280	21.470	Pass
NVNT	n20	5320	21.574	Pass
NVNT	n40	5270	38.206	Pass
NVNT	n40	5310	38.165	Pass
NVNT	a	5500	20.949	Pass
NVNT	a	5600	21.118	Pass
NVNT	a	5700	21.083	Pass
NVNT	n20	5500	21.379	Pass
NVNT	n20	5600	21.525	Pass
NVNT	n20	5700	21.990	Pass
NVNT	n40	5510	38.085	Pass
NVNT	n40	5590	38.026	Pass
NVNT	n40	5670	38.326	Pass

Test Graphs

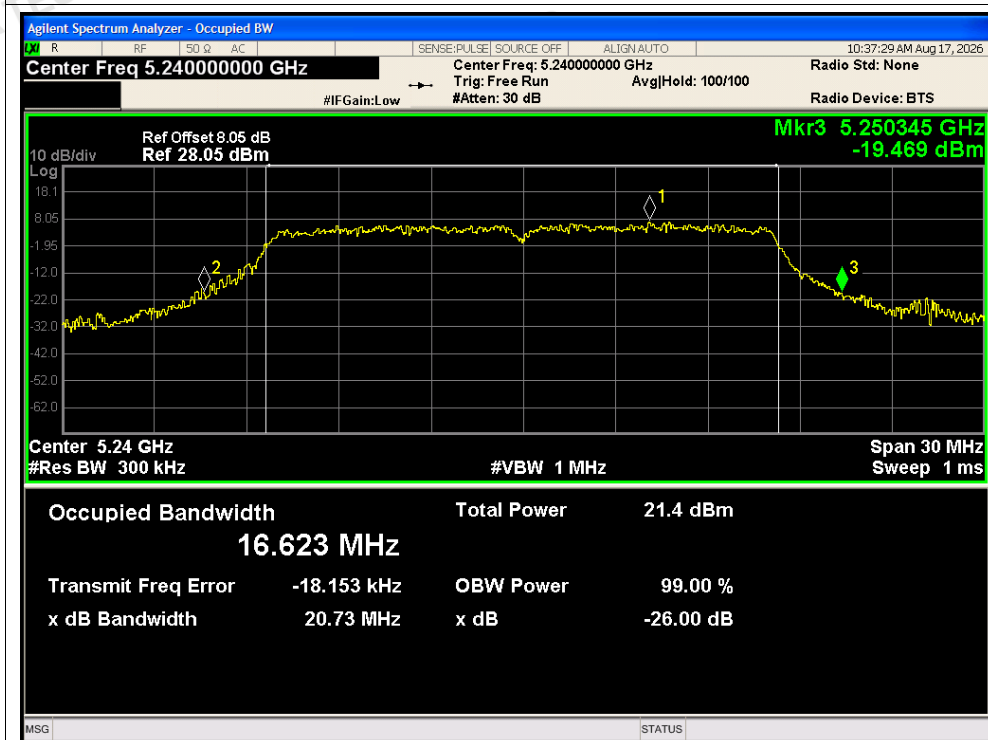
-26dB Bandwidth NVNT a 5180MHz



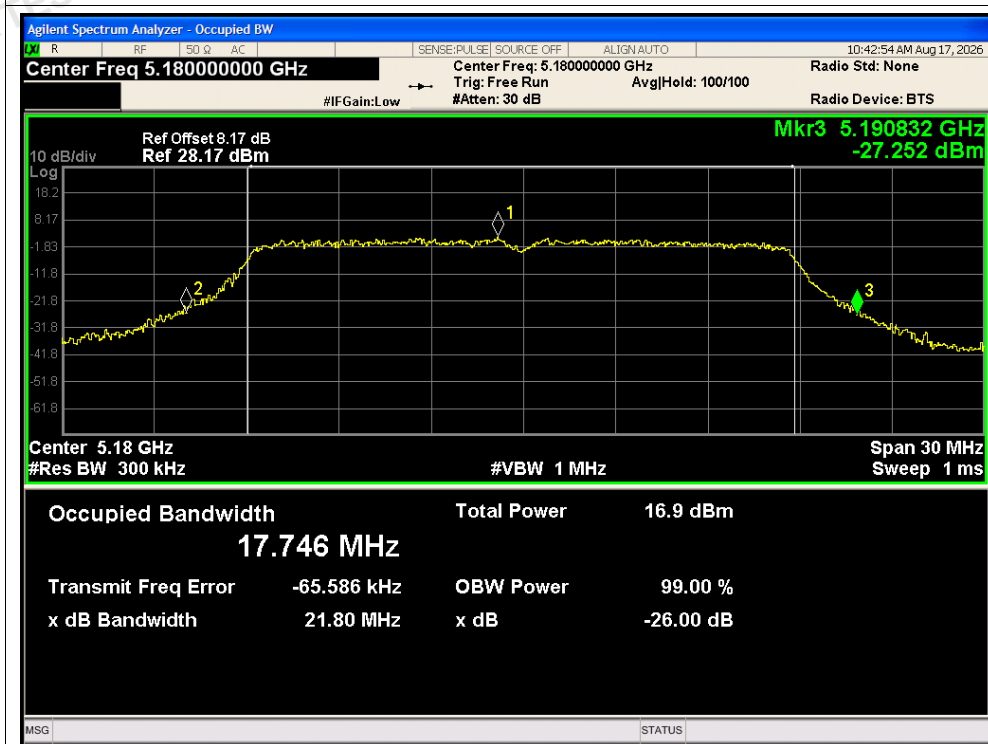
-26dB Bandwidth NVNT a 5200MHz



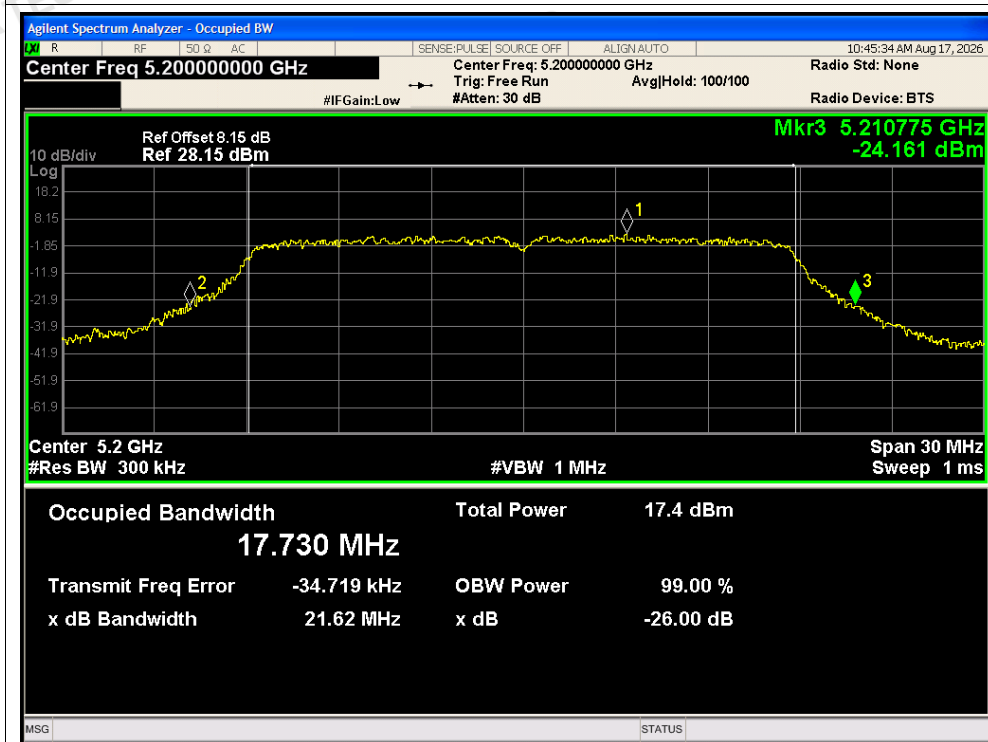
-26dB Bandwidth NVNT a 5240MHz



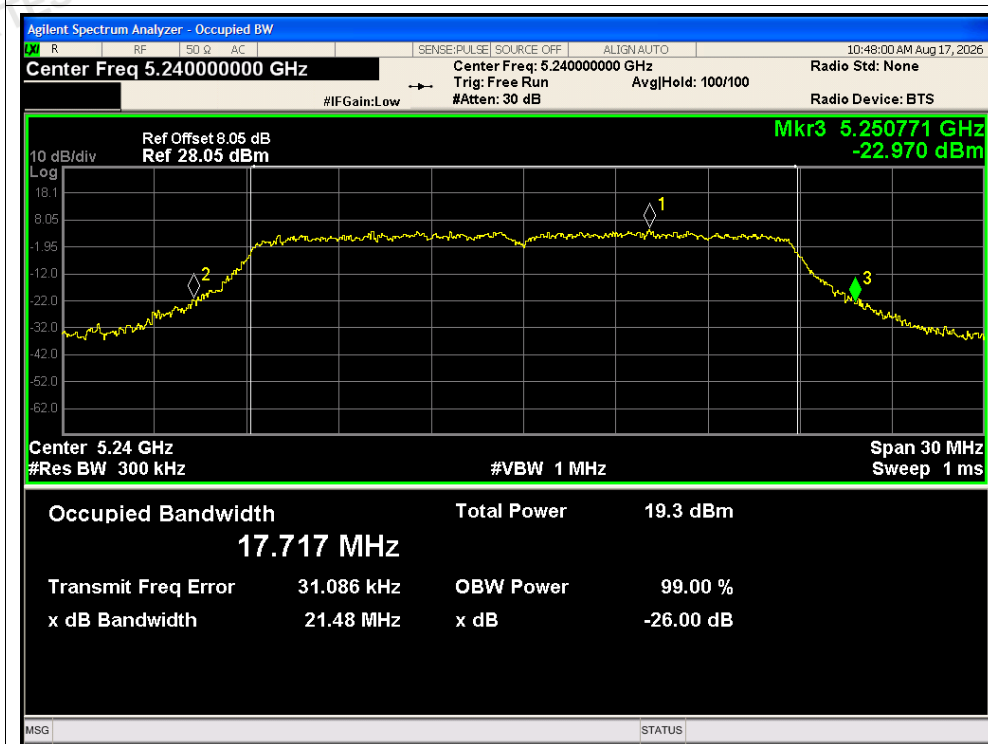
-26dB Bandwidth NVNT n20 5180MHz



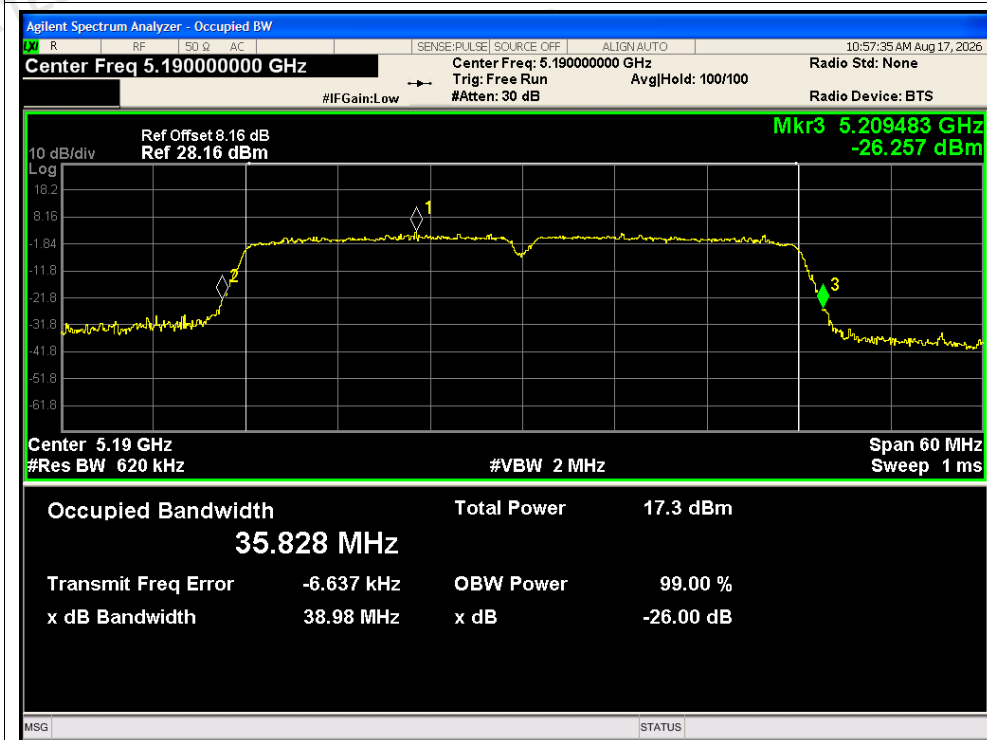
-26dB Bandwidth NVNT n20 5200MHz



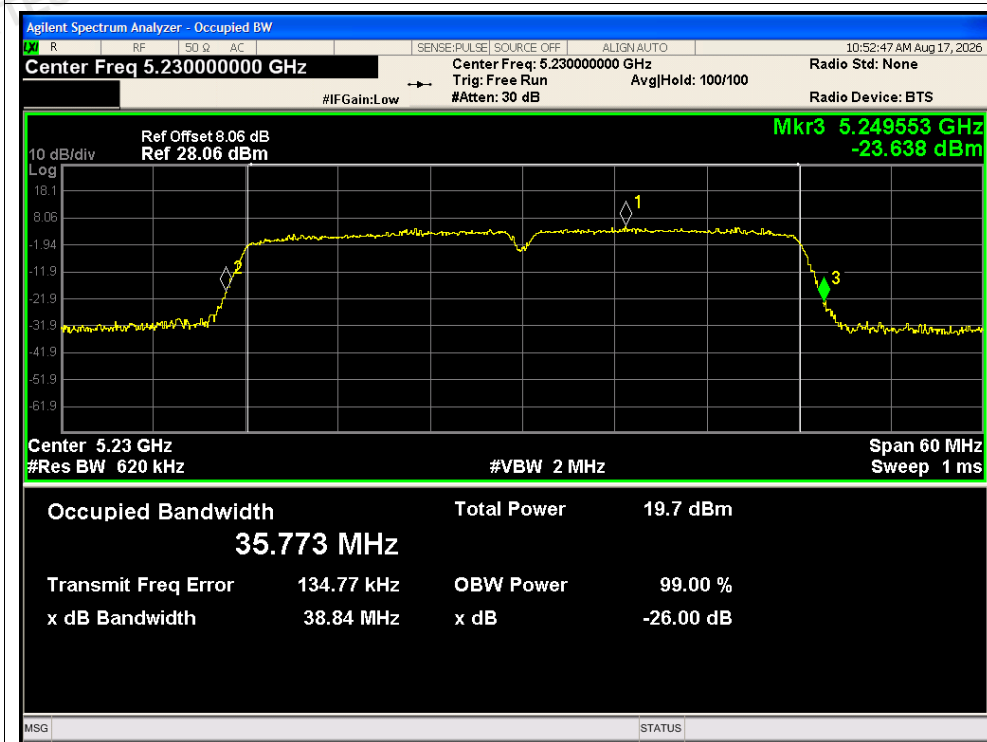
-26dB Bandwidth NVNT n20 5240MHz



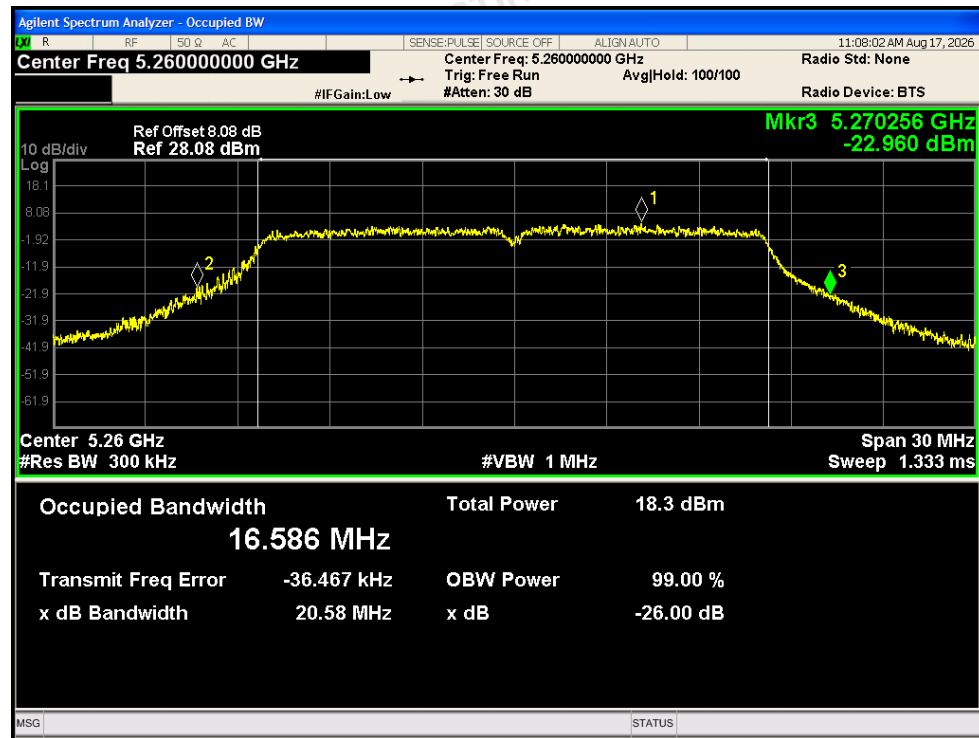
-26dB Bandwidth NVNT n40 5190MHz



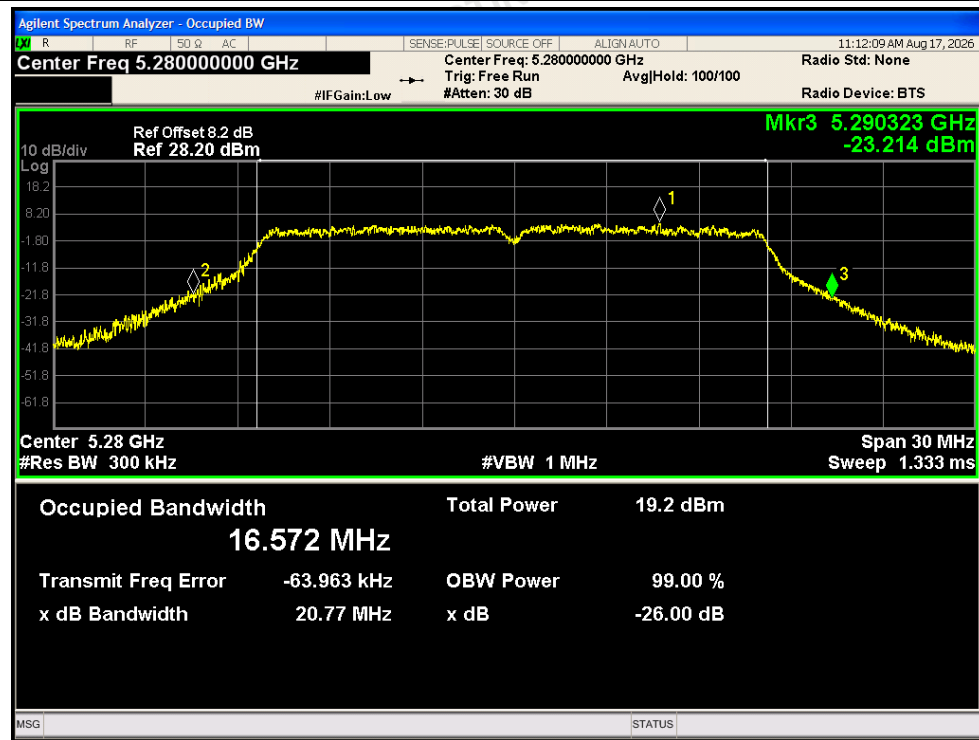
-26dB Bandwidth NVNT n40 5230MHz



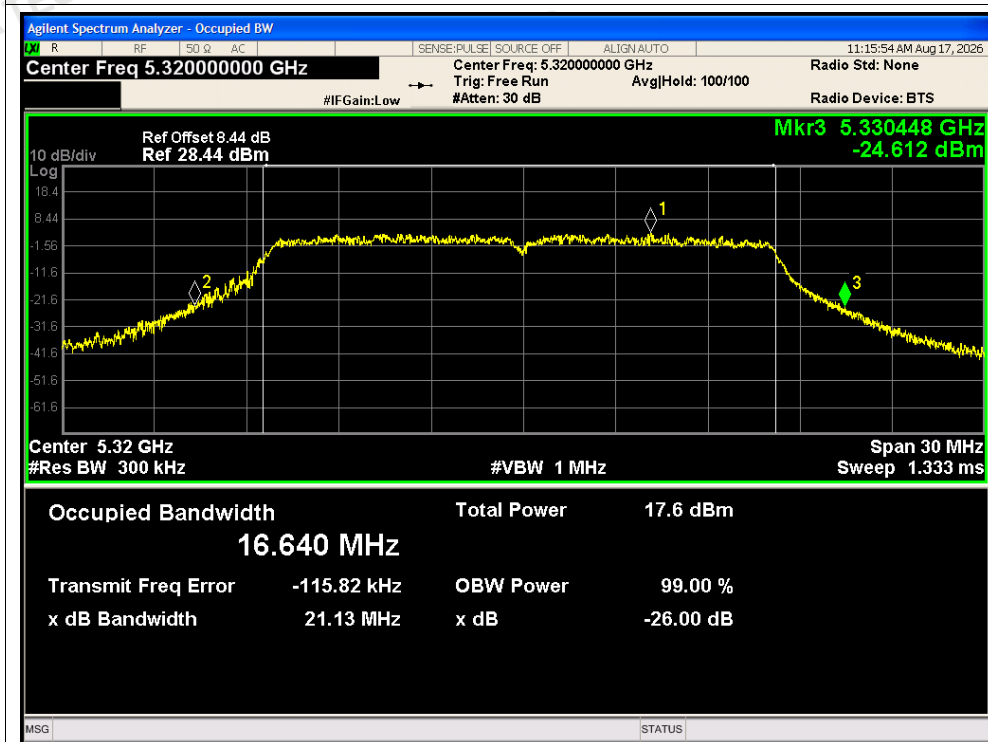
-26dB Bandwidth NVNT a 5260MHz



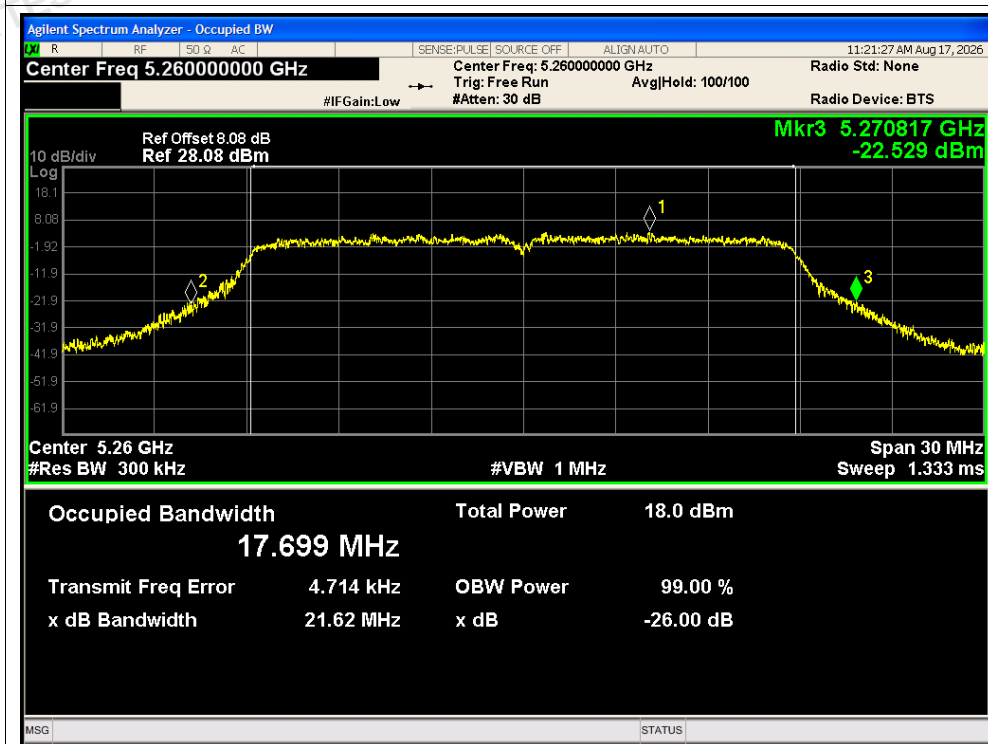
-26dB Bandwidth NVNT a 5280MHz



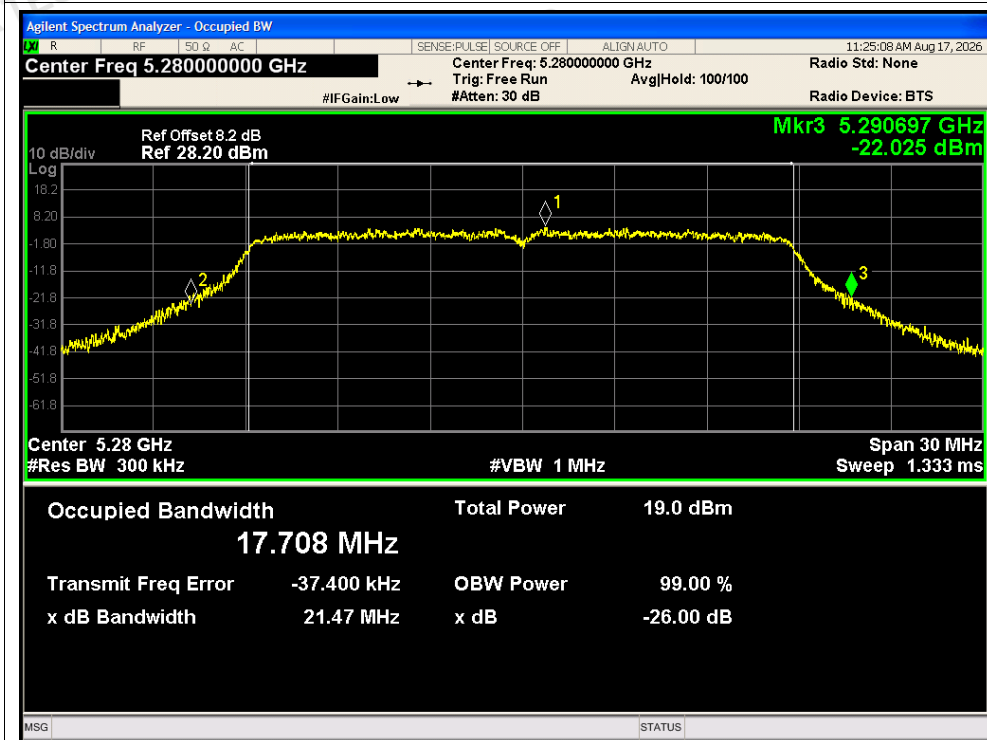
-26dB Bandwidth NVNT a 5320MHz



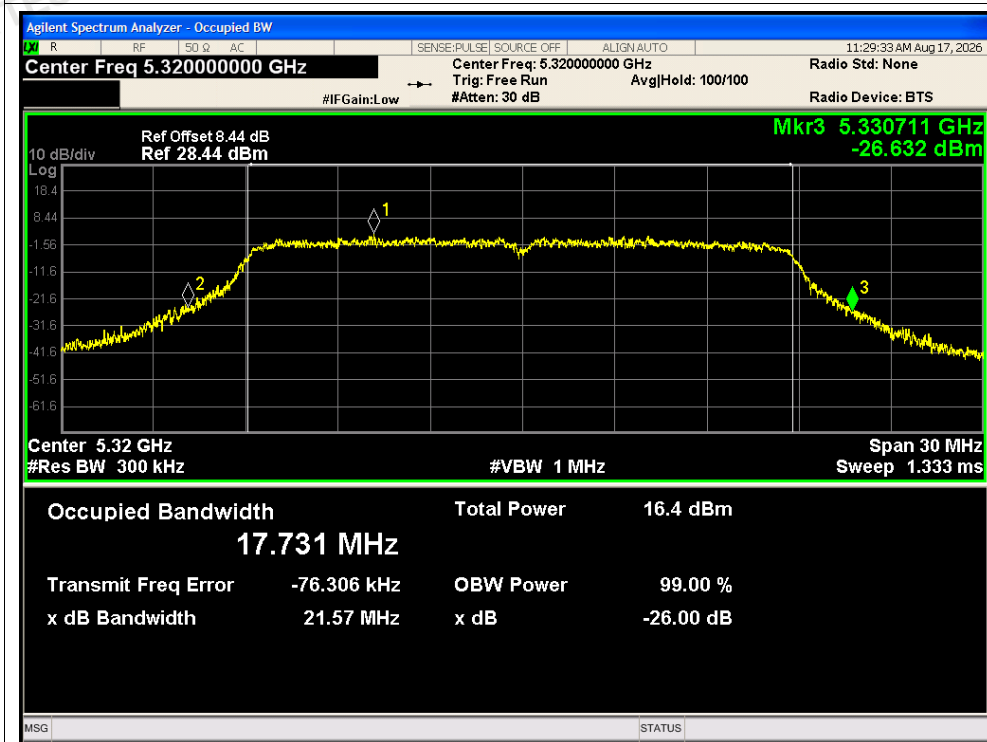
-26dB Bandwidth NVNT n20 5260MHz



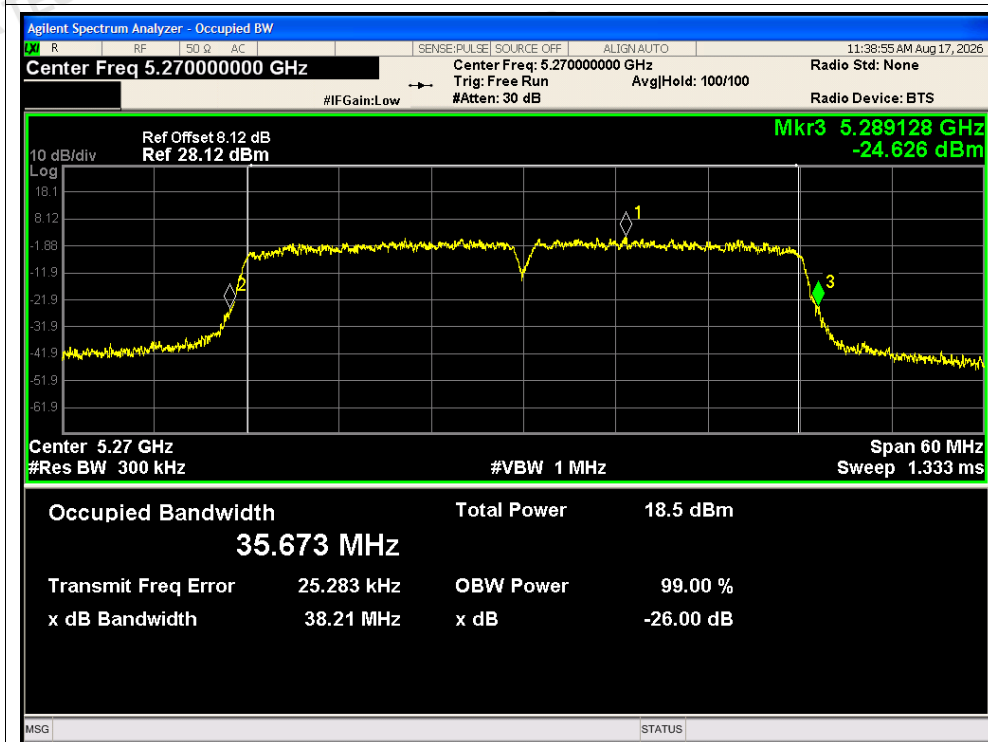
-26dB Bandwidth NVNT n20 5280MHz



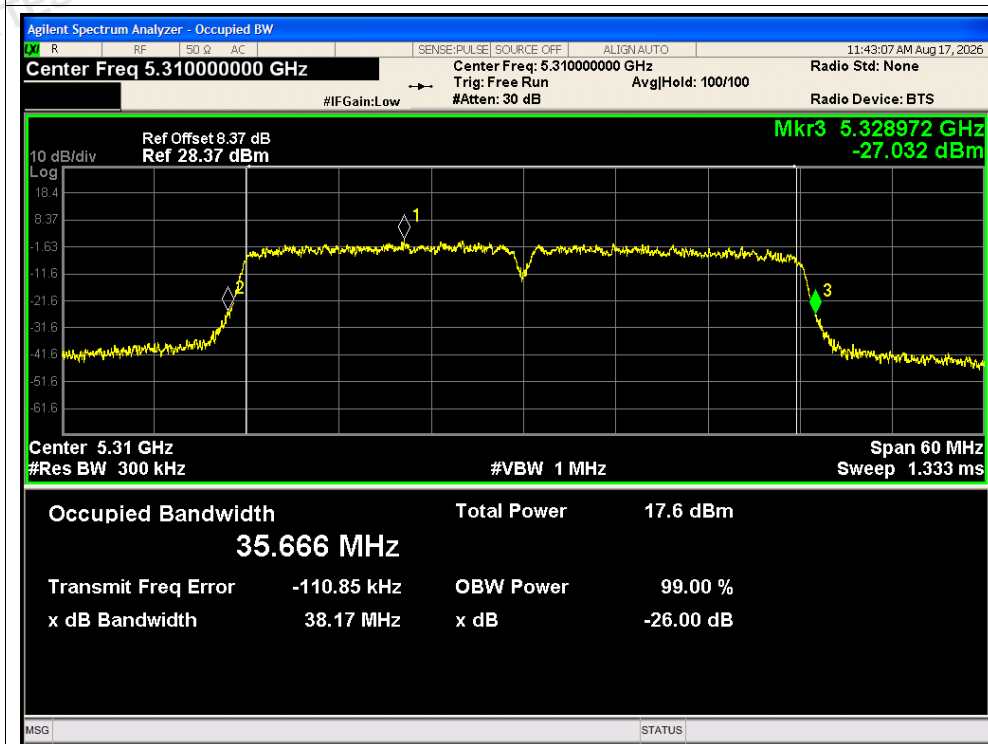
-26dB Bandwidth NVNT n20 5320MHz



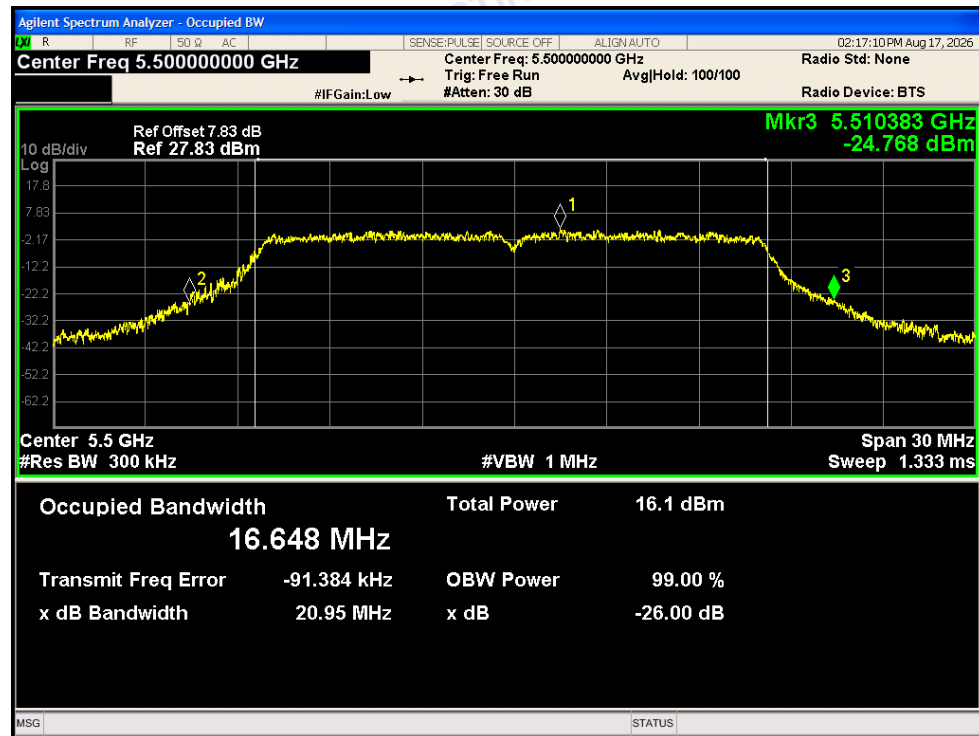
-26dB Bandwidth NVNT n40 5270MHz



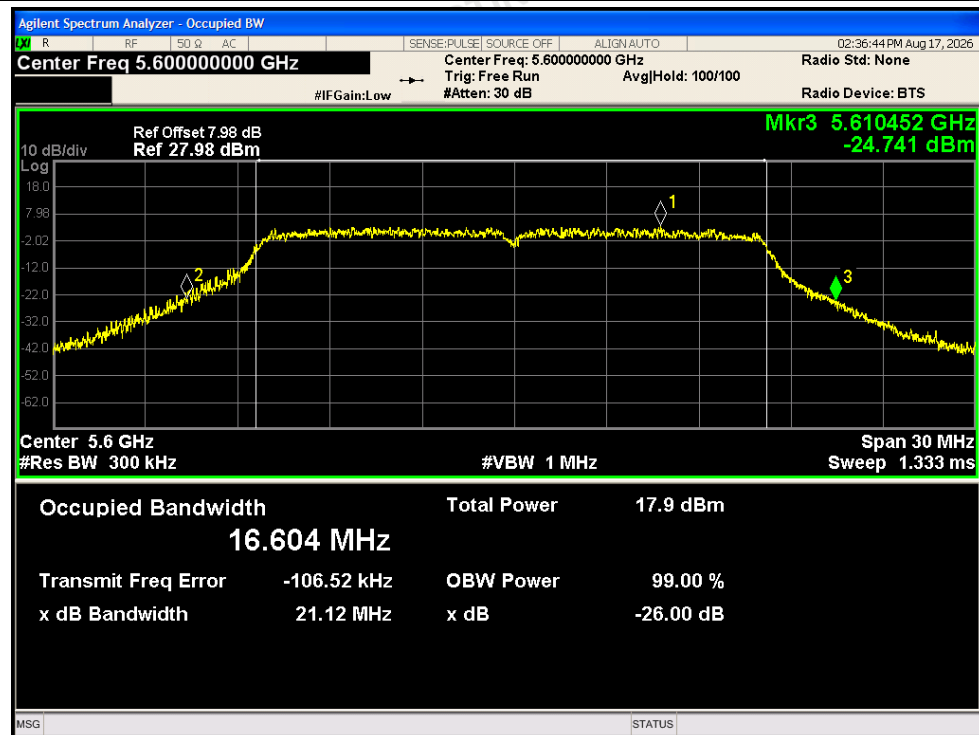
-26dB Bandwidth NVNT n40 5310MHz



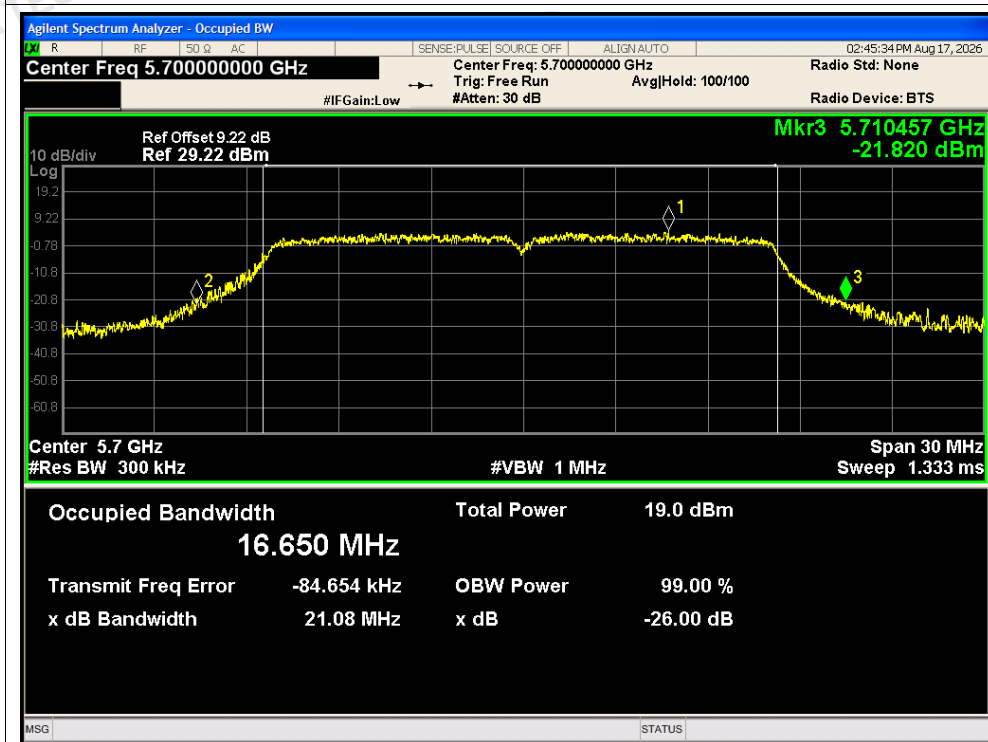
-26dB Bandwidth NVNT a 5500MHz



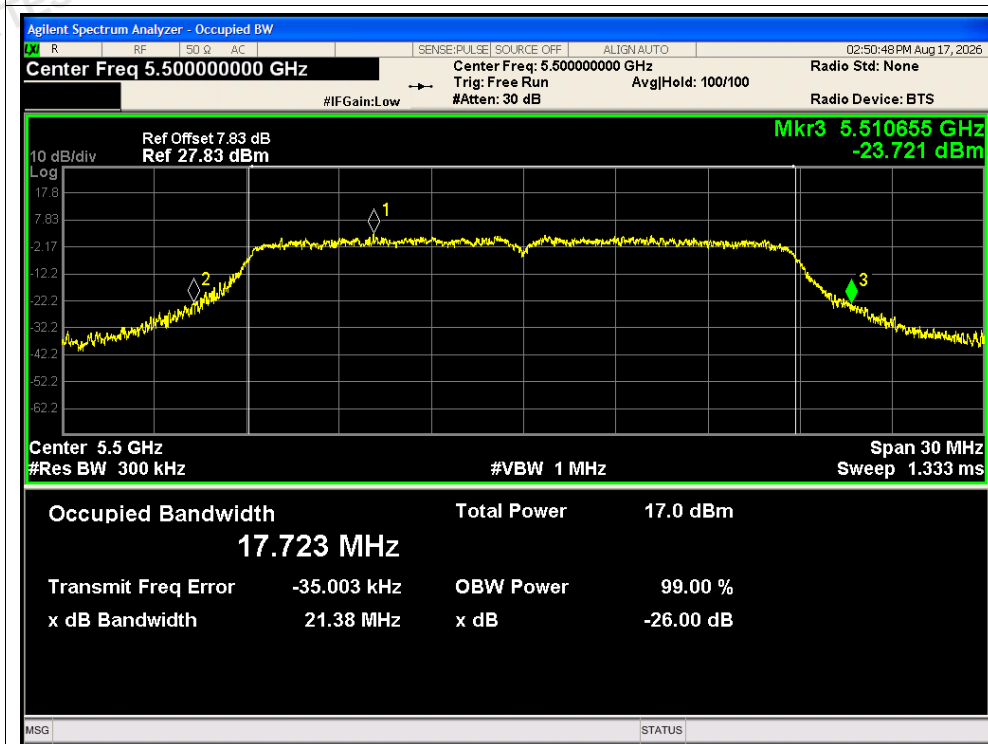
-26dB Bandwidth NVNT a 5600MHz



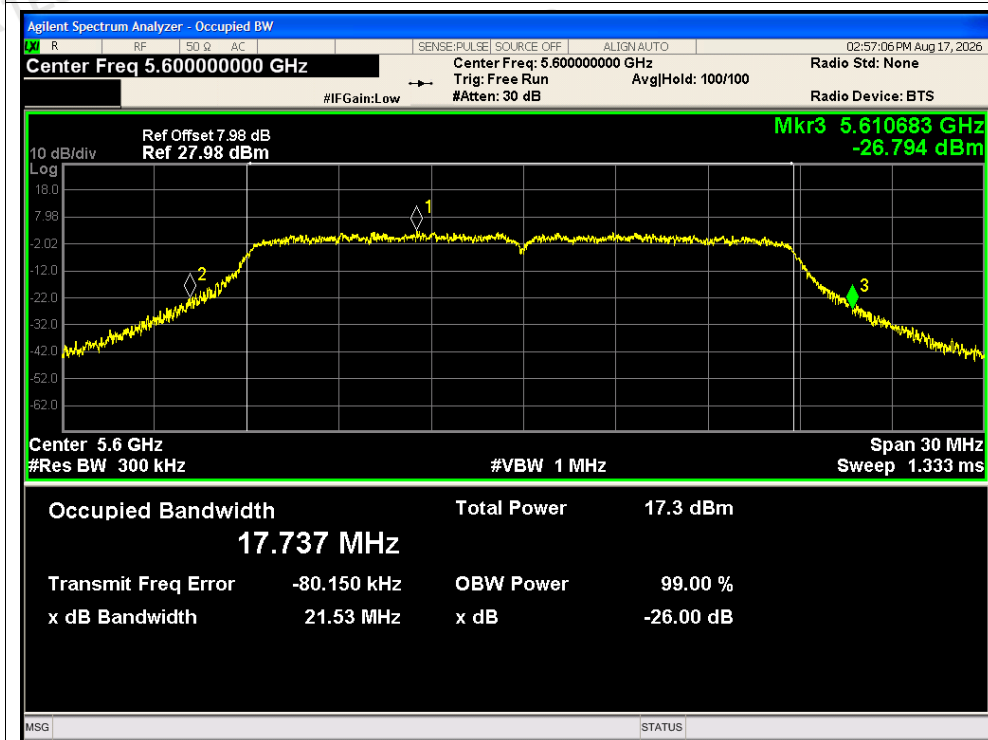
-26dB Bandwidth NVNT a 5700MHz



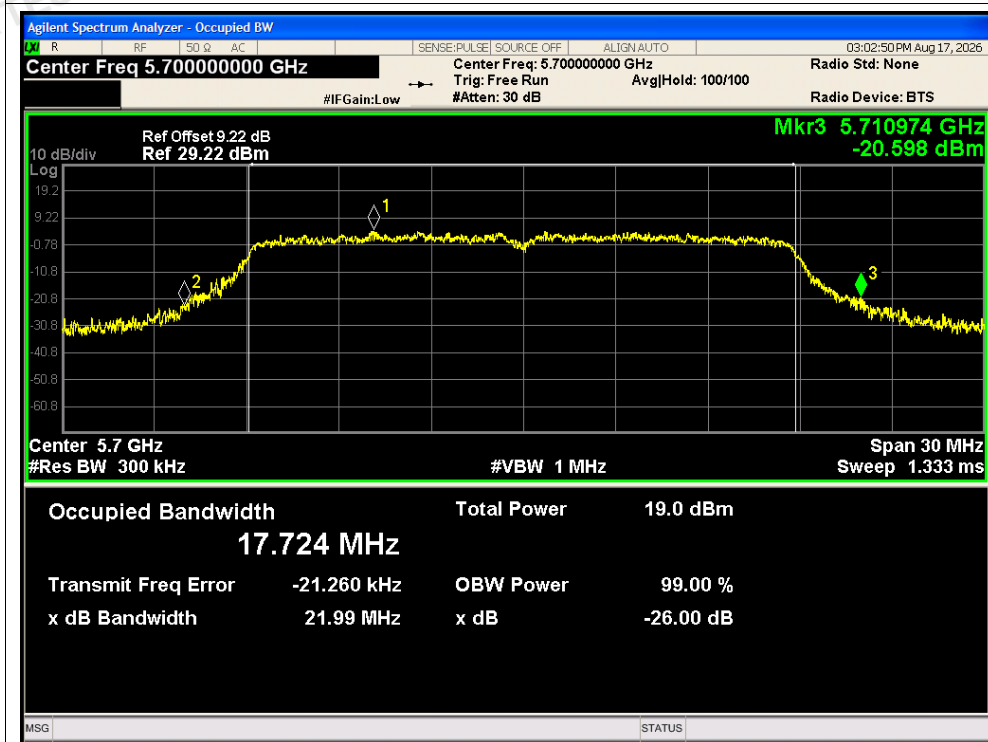
-26dB Bandwidth NVNT n20 5500MHz



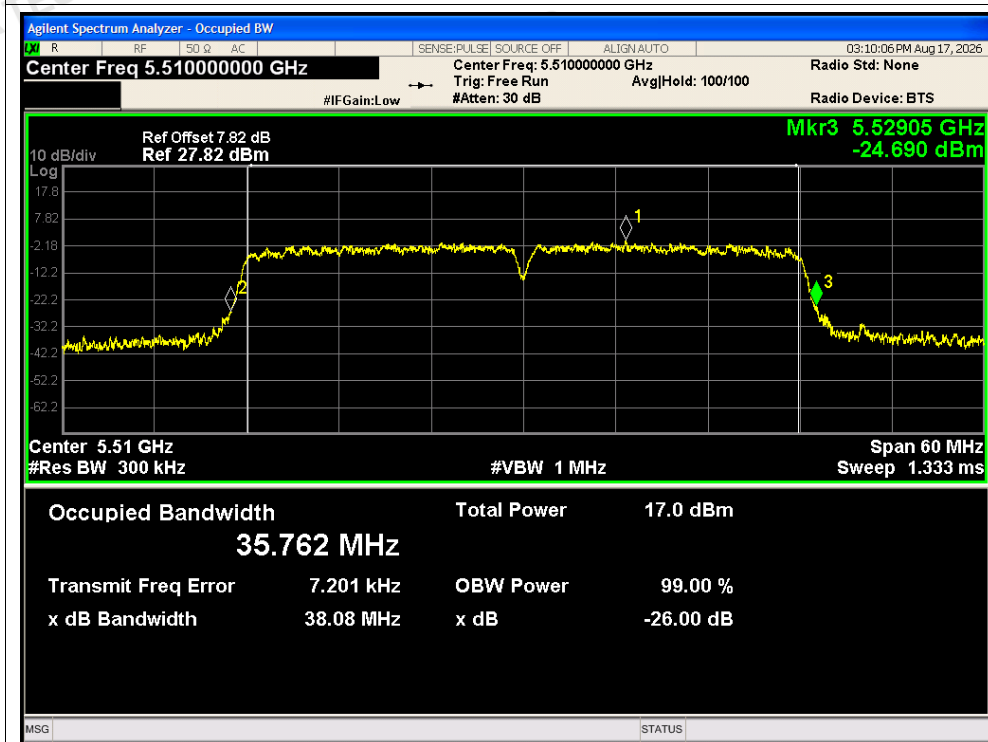
-26dB Bandwidth NVNT n20 5600MHz



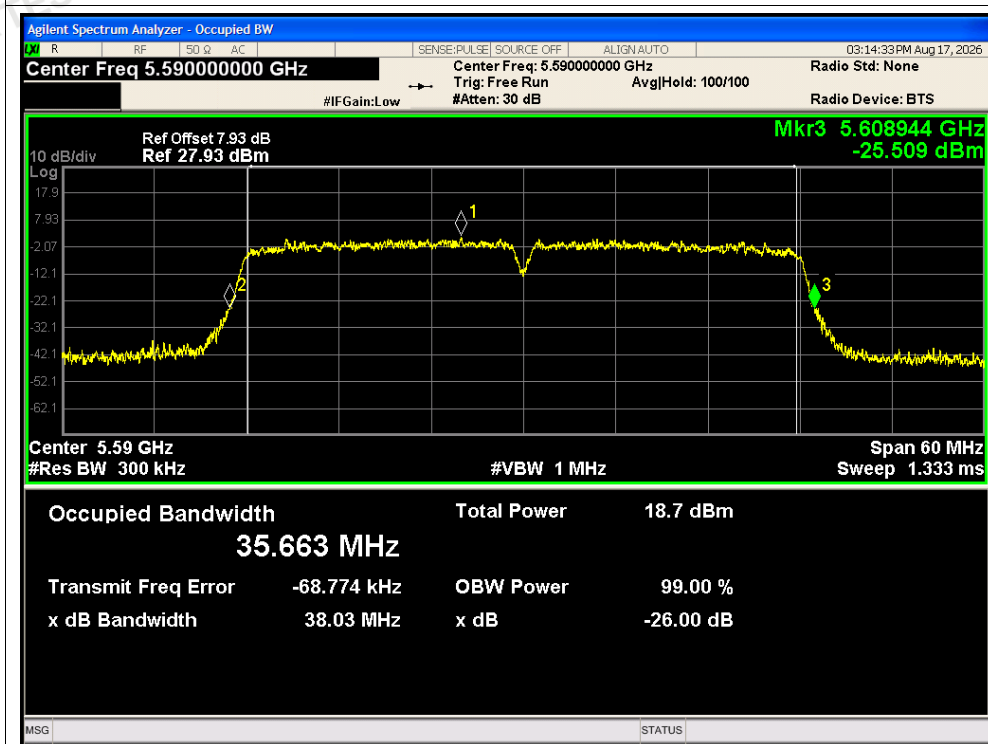
-26dB Bandwidth NVNT n20 5700MHz



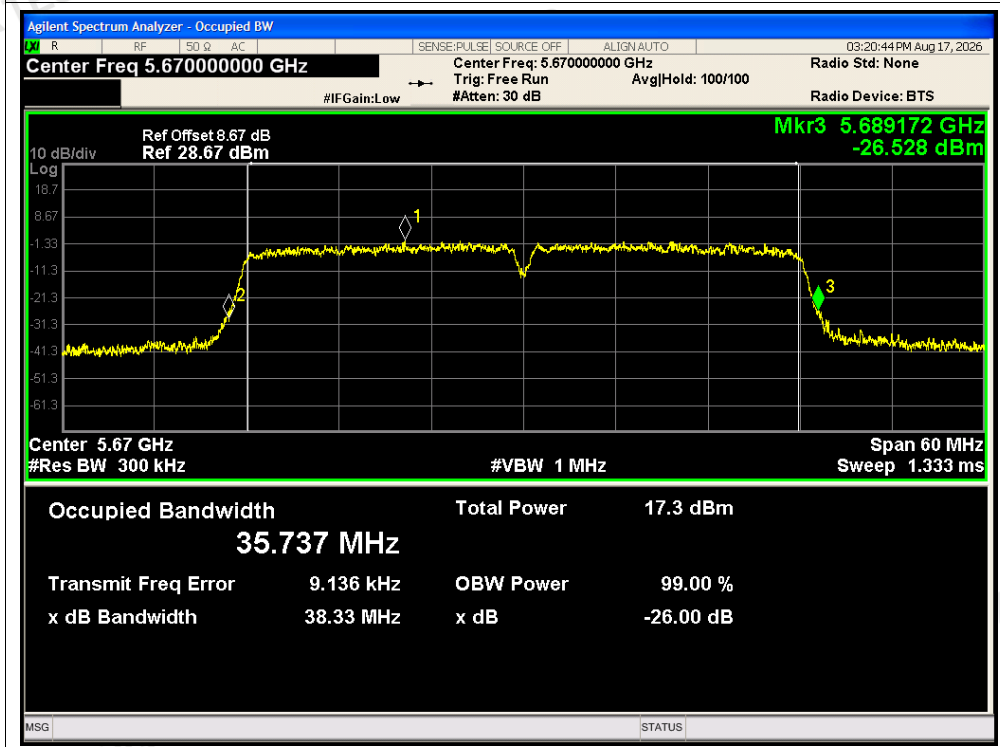
-26dB Bandwidth NVNT n40 5510MHz



-26dB Bandwidth NVNT n40 5590MHz



-26dB Bandwidth NVNT n40 5670MHz

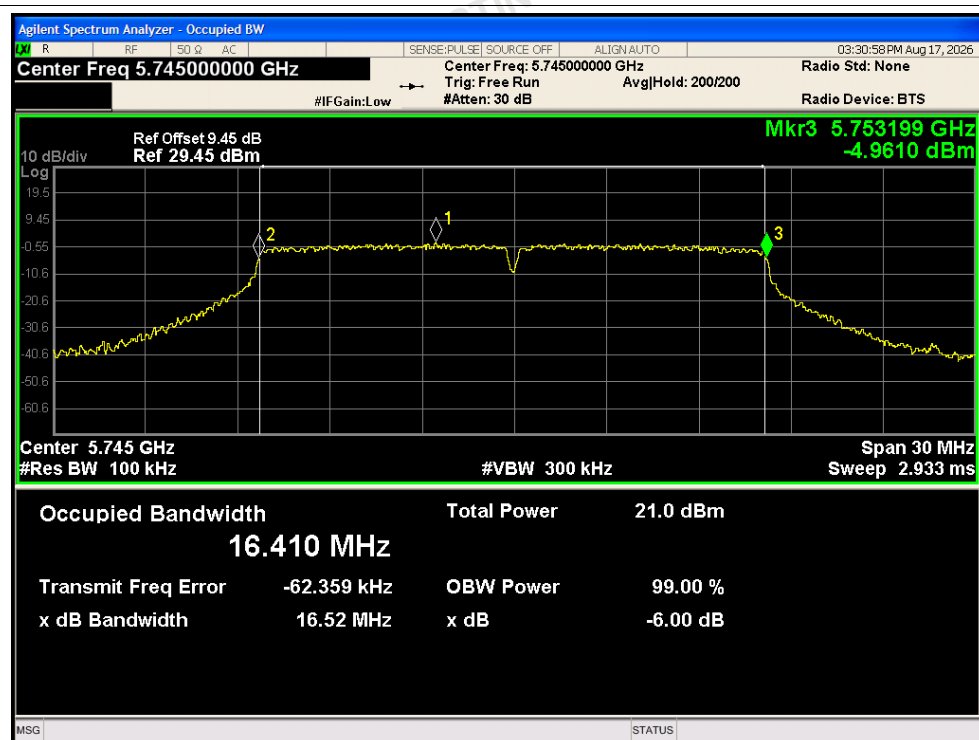


-6dB Bandwidth

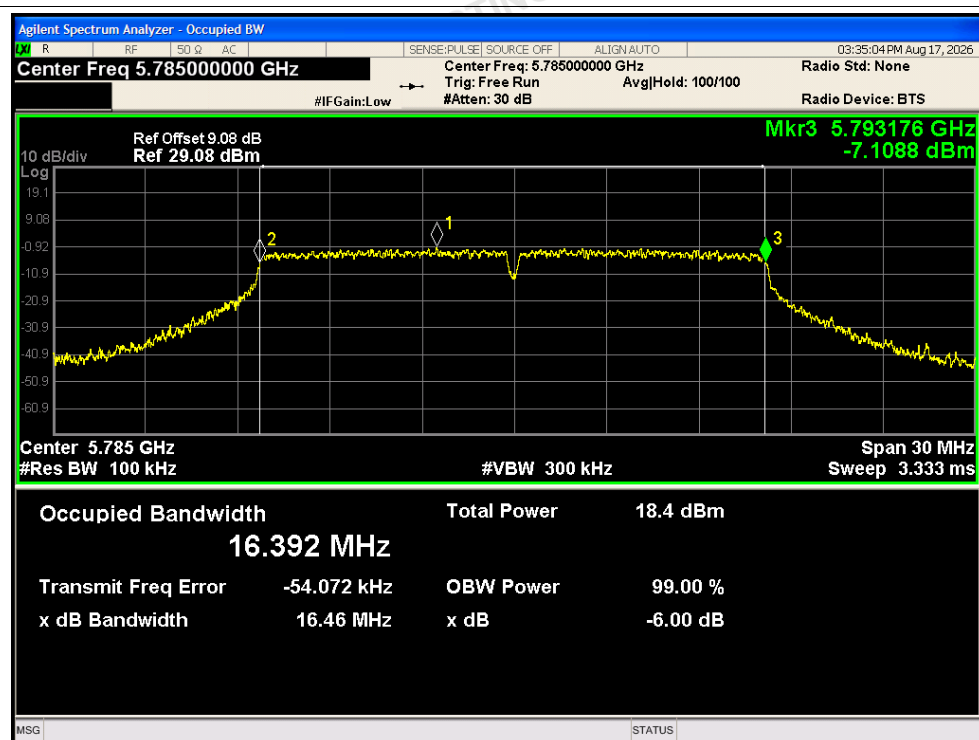
Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	16.523	0.5	Pass
NVNT	a	5785	16.461	0.5	Pass
NVNT	a	5825	16.504	0.5	Pass
NVNT	n20	5745	17.644	0.5	Pass
NVNT	n20	5785	17.647	0.5	Pass
NVNT	n20	5825	17.648	0.5	Pass
NVNT	n40	5755	36.348	0.5	Pass
NVNT	n40	5795	36.352	0.5	Pass

Test Graphs

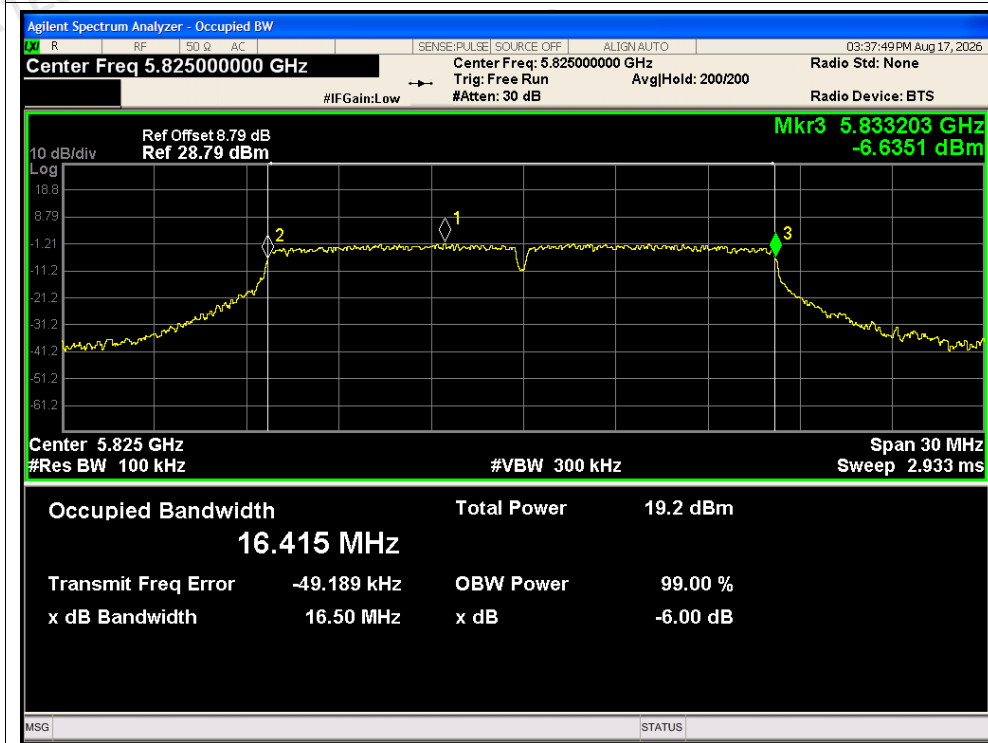
-6dB Bandwidth NVNT a 5745MHz



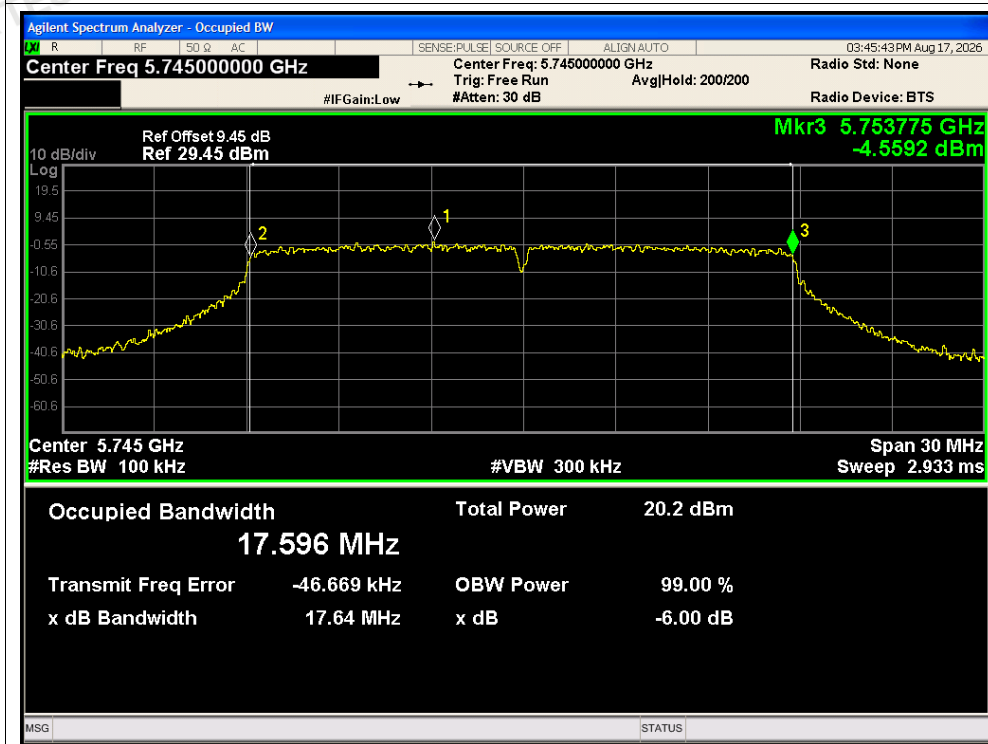
-6dB Bandwidth NVNT a 5785MHz



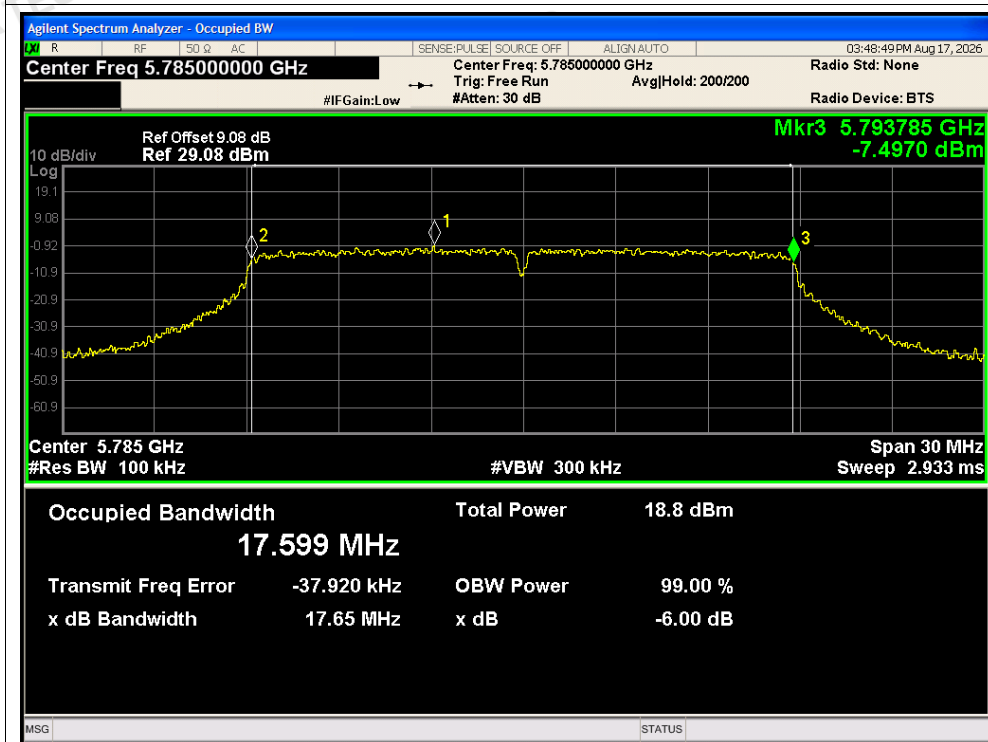
-6dB Bandwidth NVNT a 5825MHz



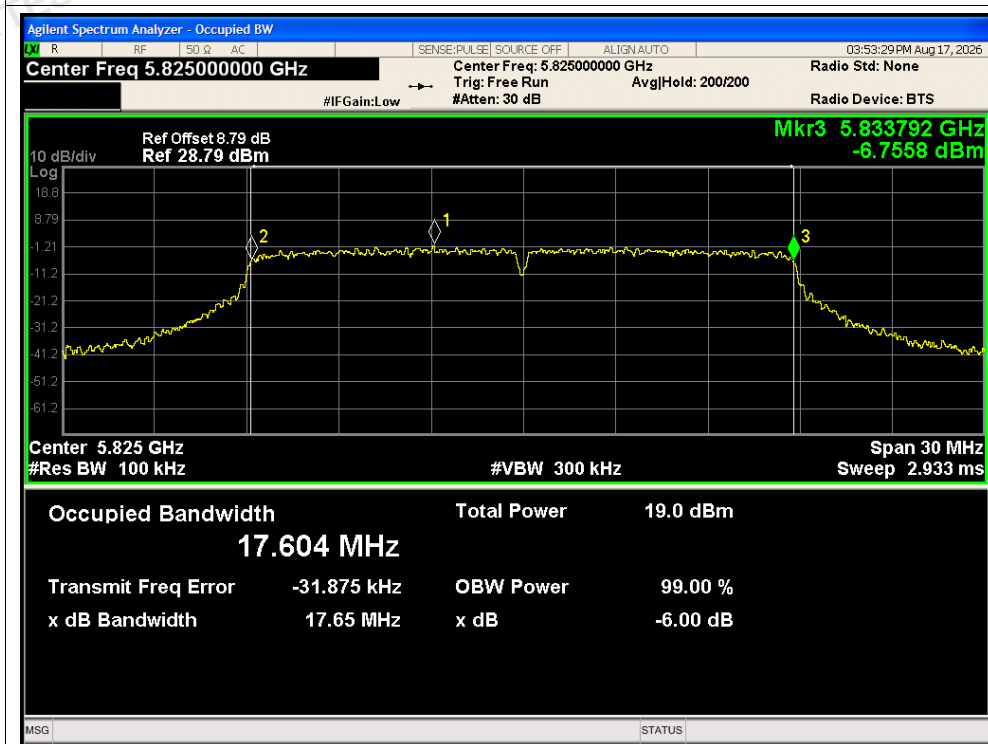
-6dB Bandwidth NVNT n20 5745MHz



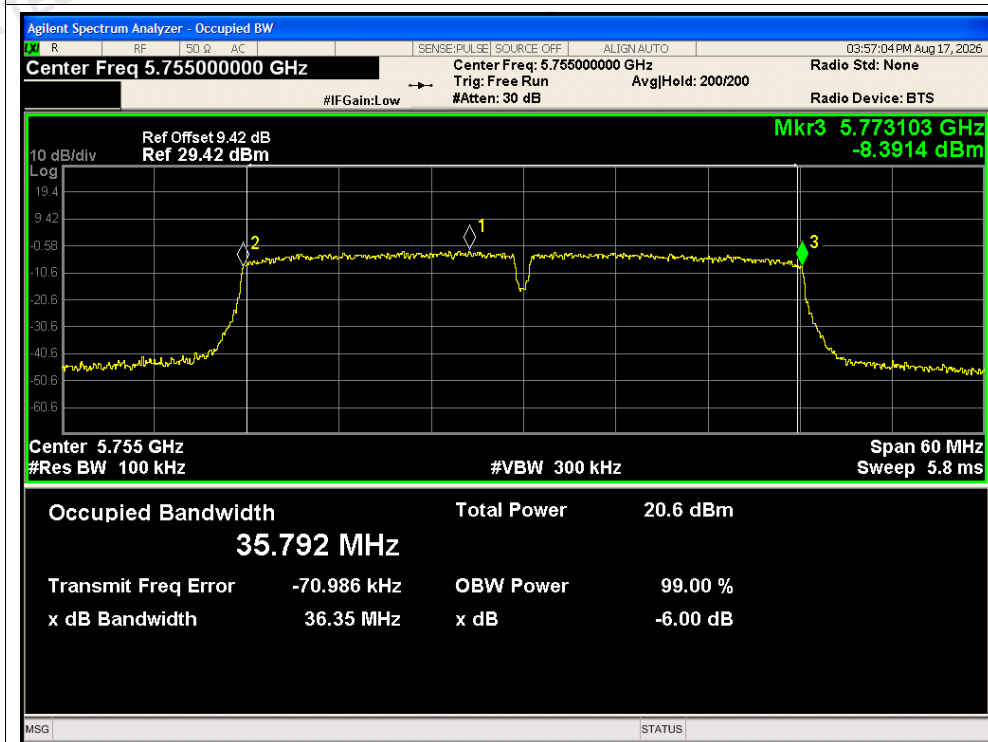
-6dB Bandwidth NVNT n20 5785MHz



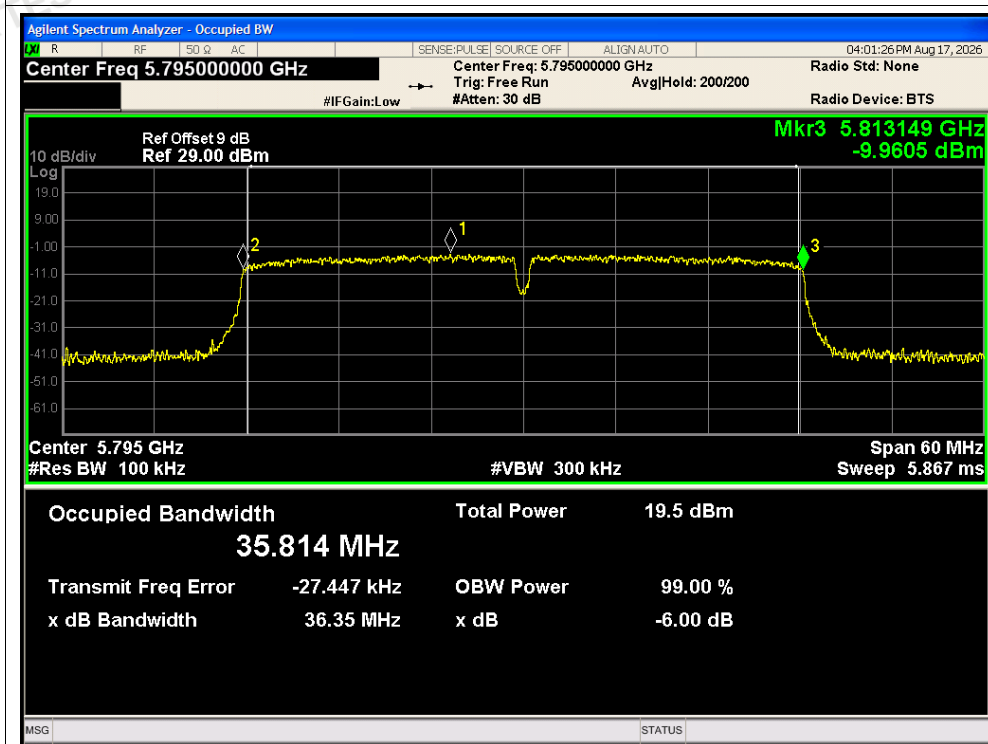
-6dB Bandwidth NVNT n20 5825MHz



-6dB Bandwidth NVNT n40 5755MHz



-6dB Bandwidth NVNT n40 5795MHz

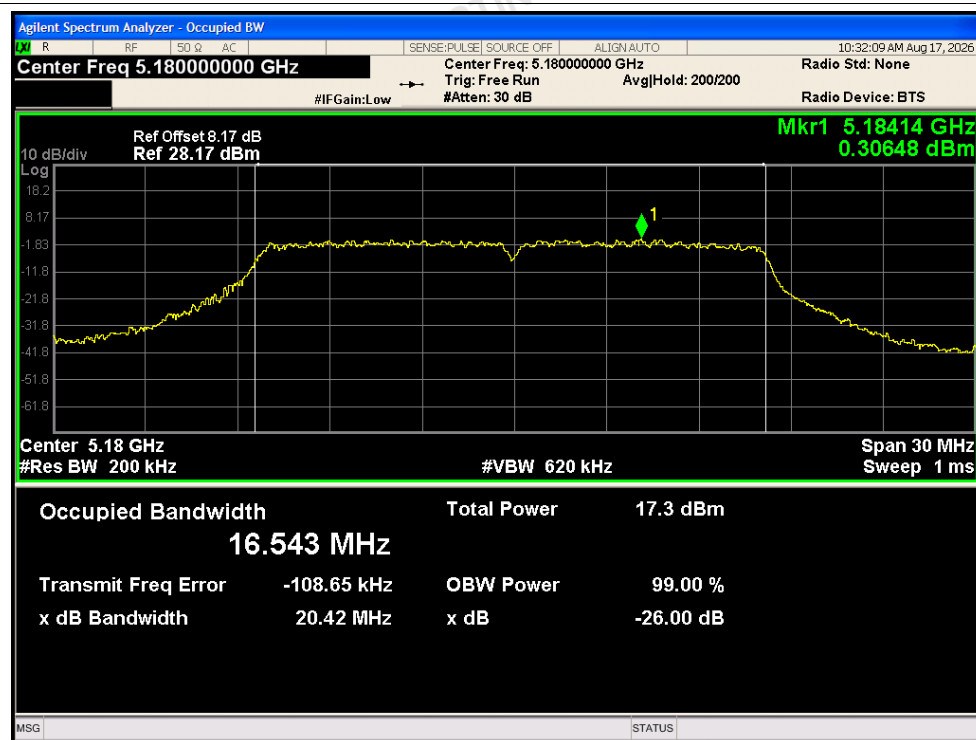


Occupied Channel Bandwidth

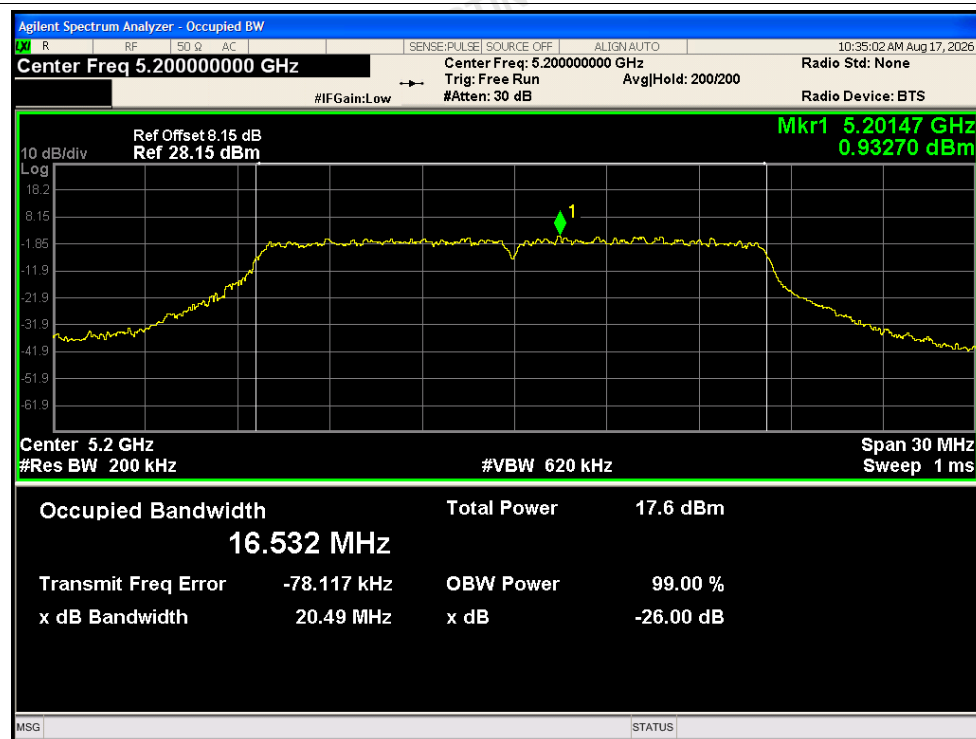
Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5180	16.543
NVNT	a	5200	16.532
NVNT	a	5240	16.490
NVNT	n20	5180	17.652
NVNT	n20	5200	17.652
NVNT	n20	5240	17.632
NVNT	n40	5190	35.772
NVNT	n40	5230	35.719
NVNT	a	5260	16.439
NVNT	a	5280	16.464
NVNT	a	5320	16.463
NVNT	n20	5260	17.596
NVNT	n20	5280	17.608
NVNT	n20	5320	17.610
NVNT	n40	5270	35.654
NVNT	n40	5310	35.688
NVNT	a	5500	16.518
NVNT	a	5600	16.478
NVNT	a	5700	16.539
NVNT	n20	5500	17.632
NVNT	n20	5600	17.624
NVNT	n20	5700	17.653
NVNT	n40	5510	35.766
NVNT	n40	5590	35.676
NVNT	n40	5670	35.738
NVNT	a	5745	16.474
NVNT	a	5785	16.540
NVNT	a	5825	16.550
NVNT	n20	5745	17.633
NVNT	n20	5785	17.638
NVNT	n20	5825	17.649
NVNT	n40	5755	35.707
NVNT	n40	5795	35.695

Test Graphs

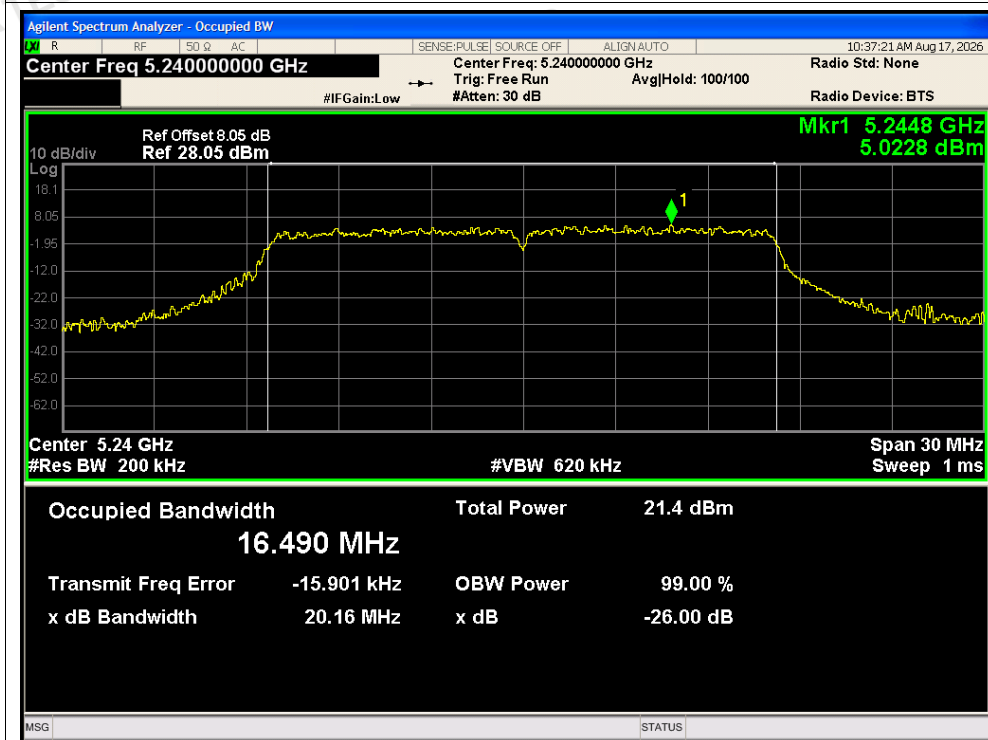
OBW NVNT a 5180MHz



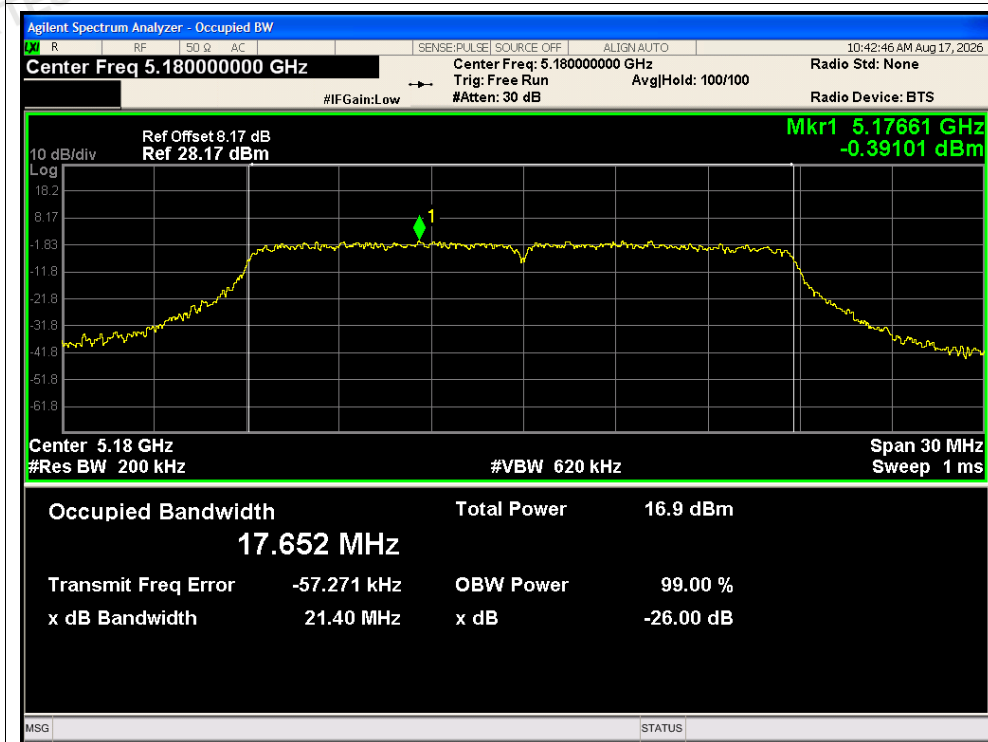
OBW NVNT a 5200MHz



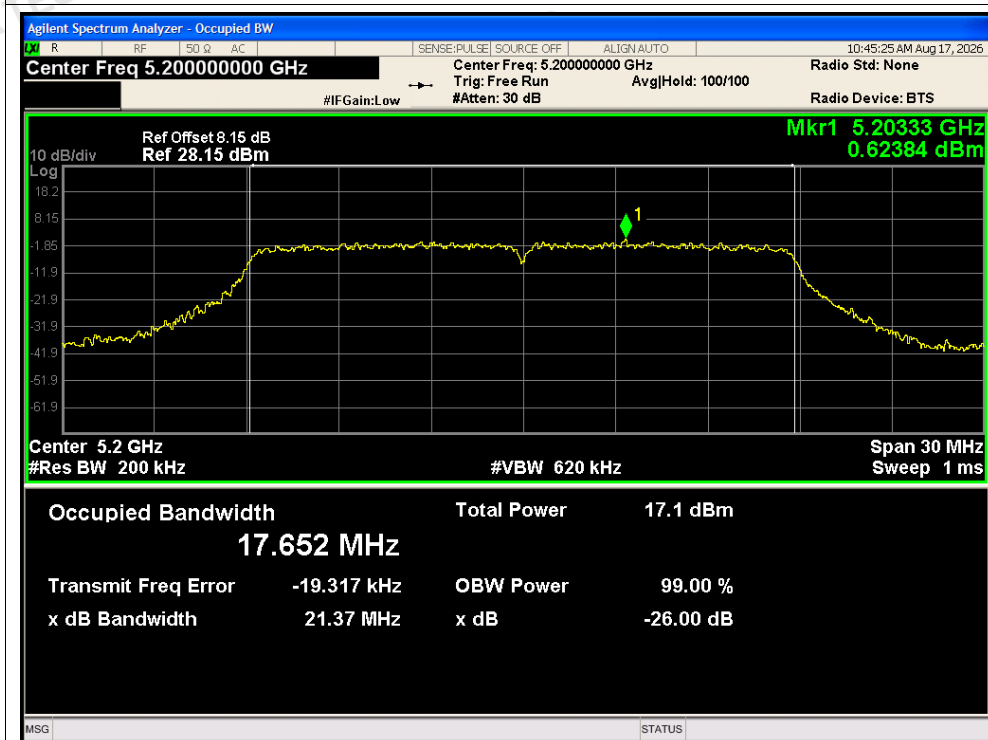
OBW NVNT a 5240MHz



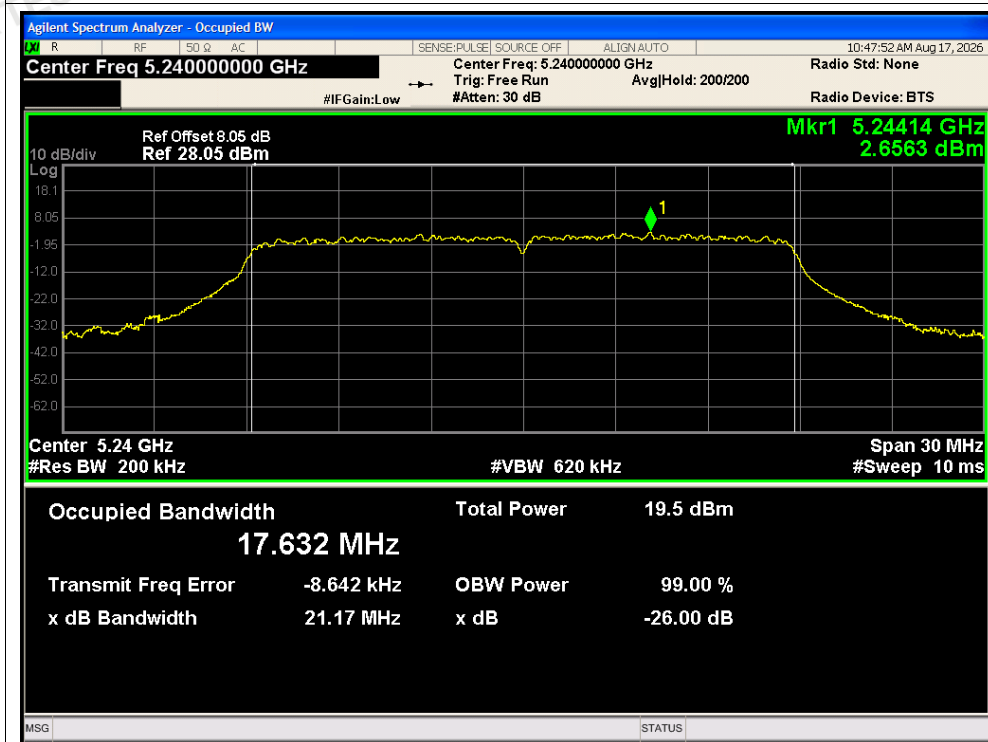
OBW NVNT n20 5180MHz



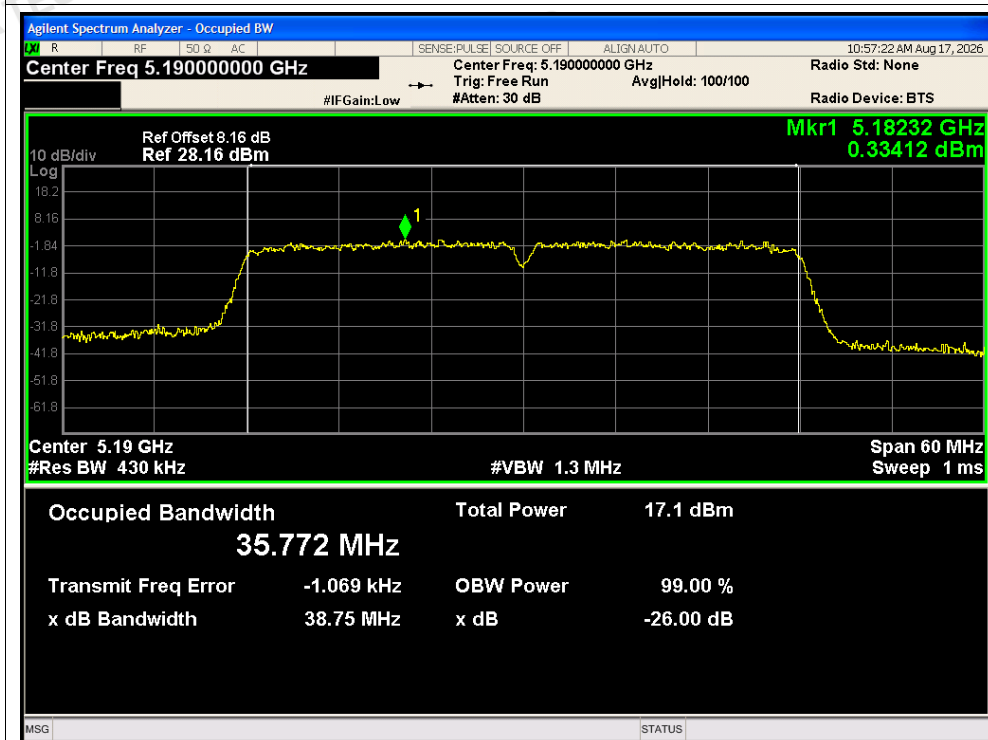
OBW NVNT n20 5200MHz



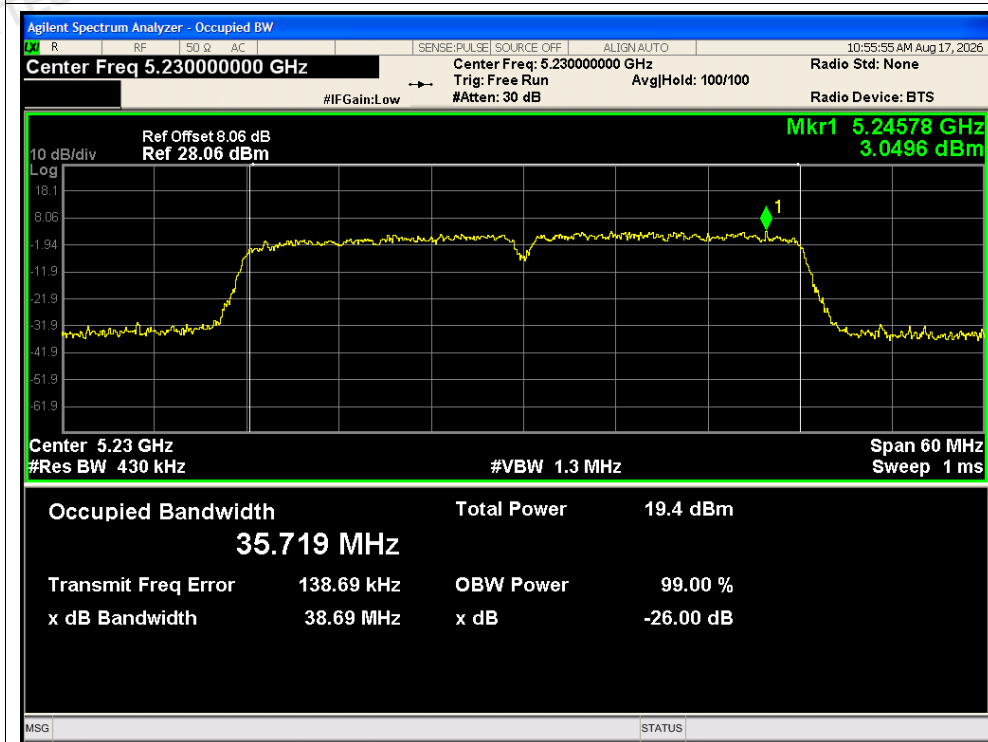
OBW NVNT n20 5240MHz



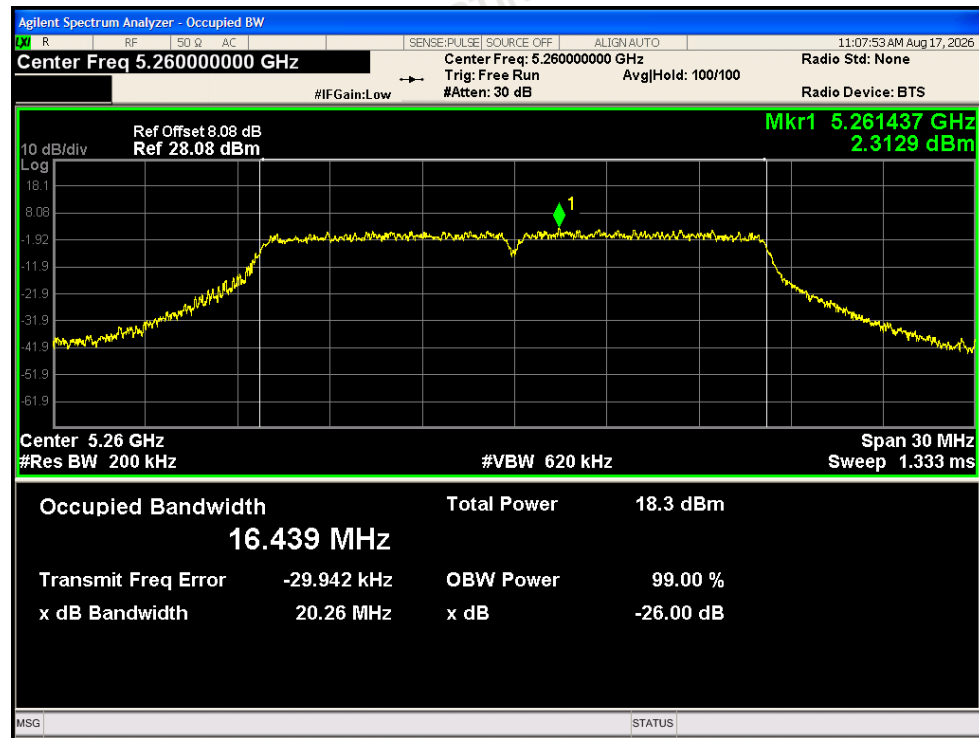
OBW NVNT n40 5190MHz



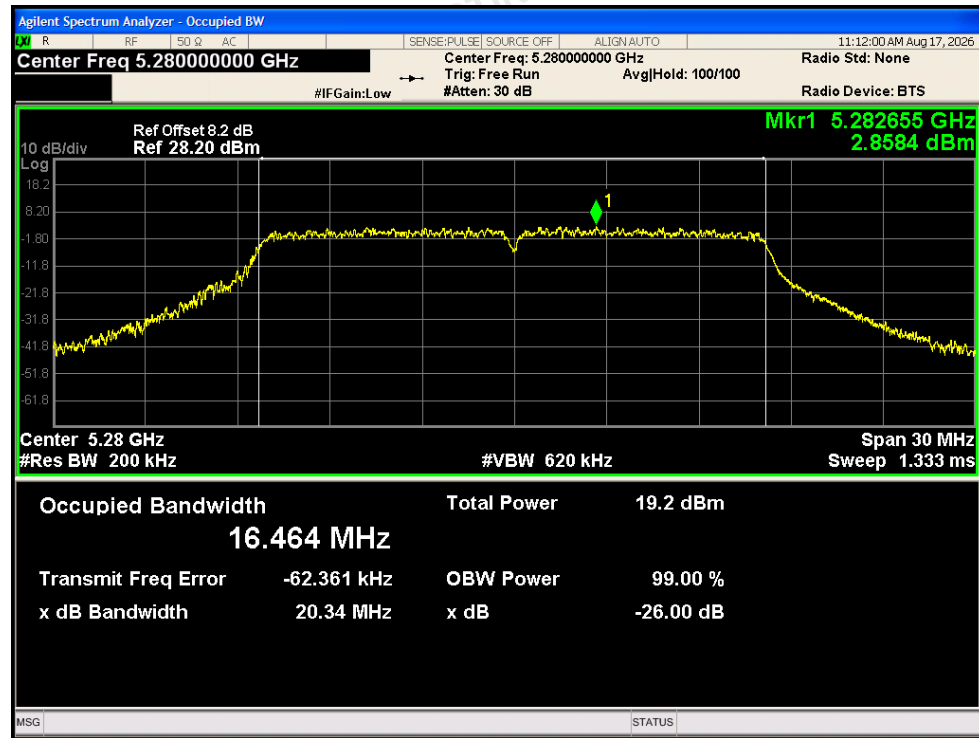
OBW NVNT n40 5230MHz



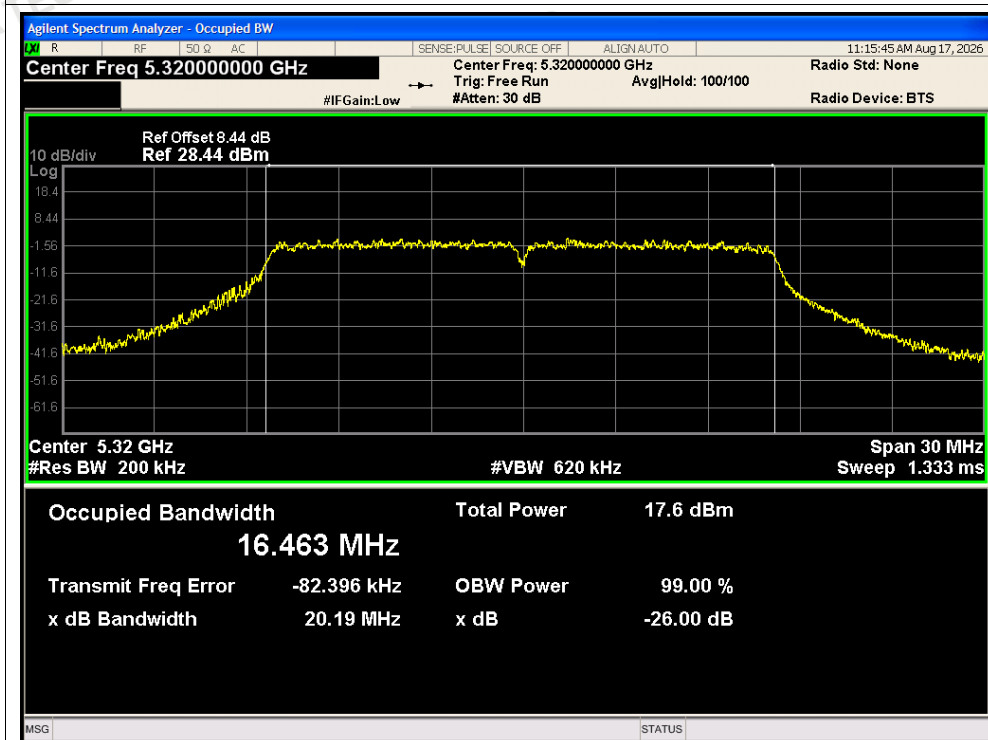
OBW NVNT a 5260MHz



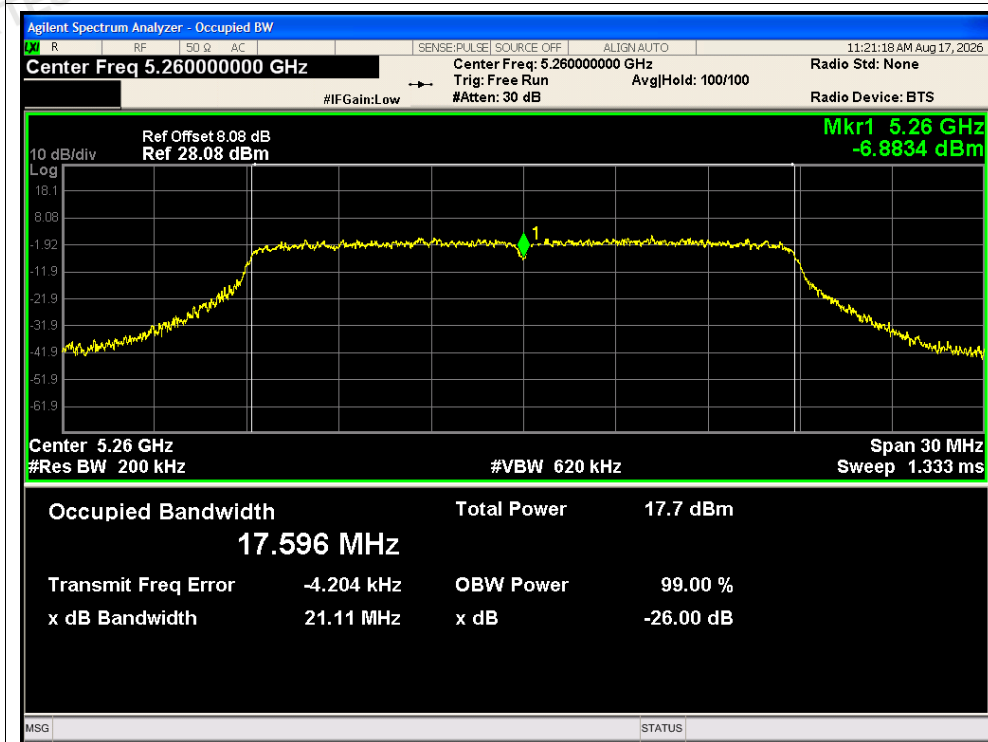
OBW NVNT a 5280MHz



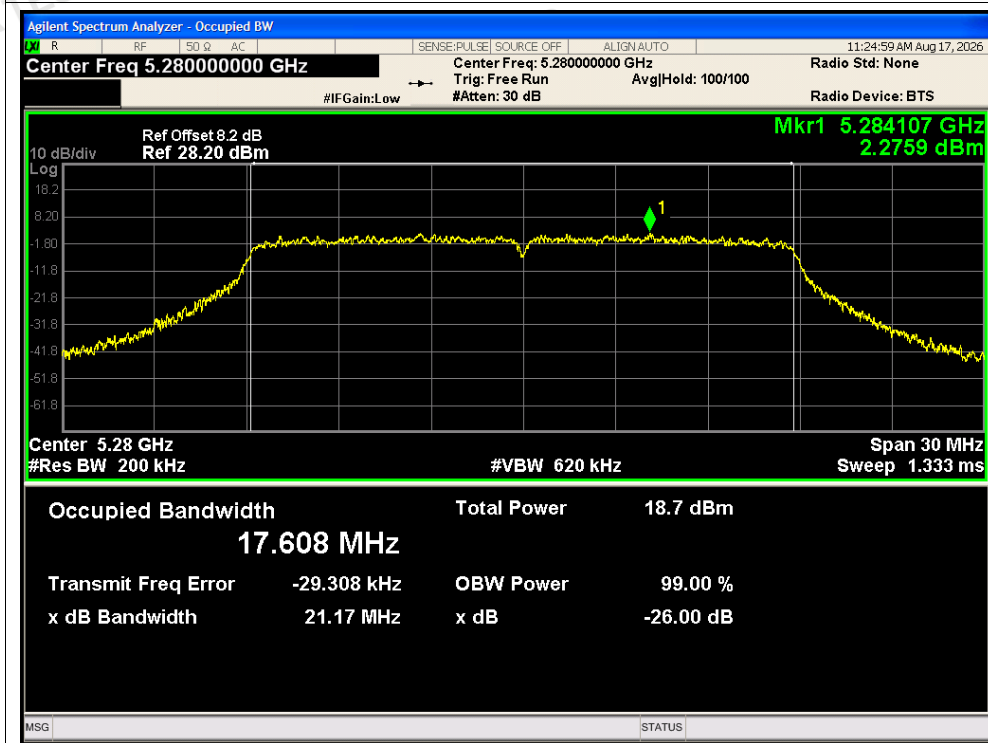
OBW NVNT a 5320MHz



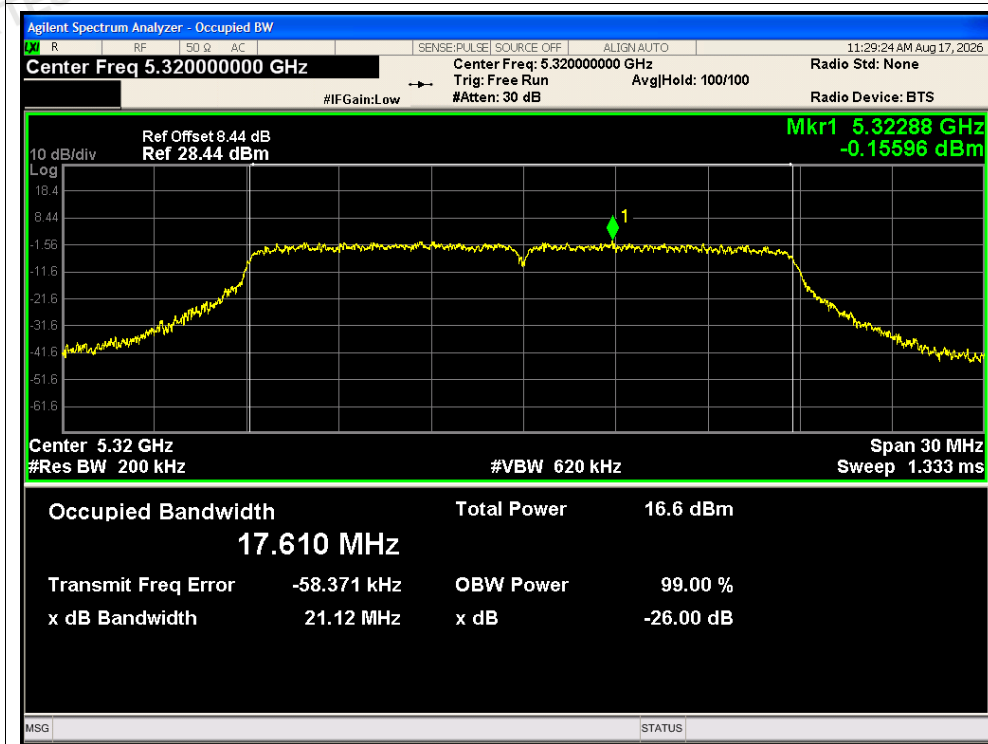
OBW NVNT n20 5260MHz



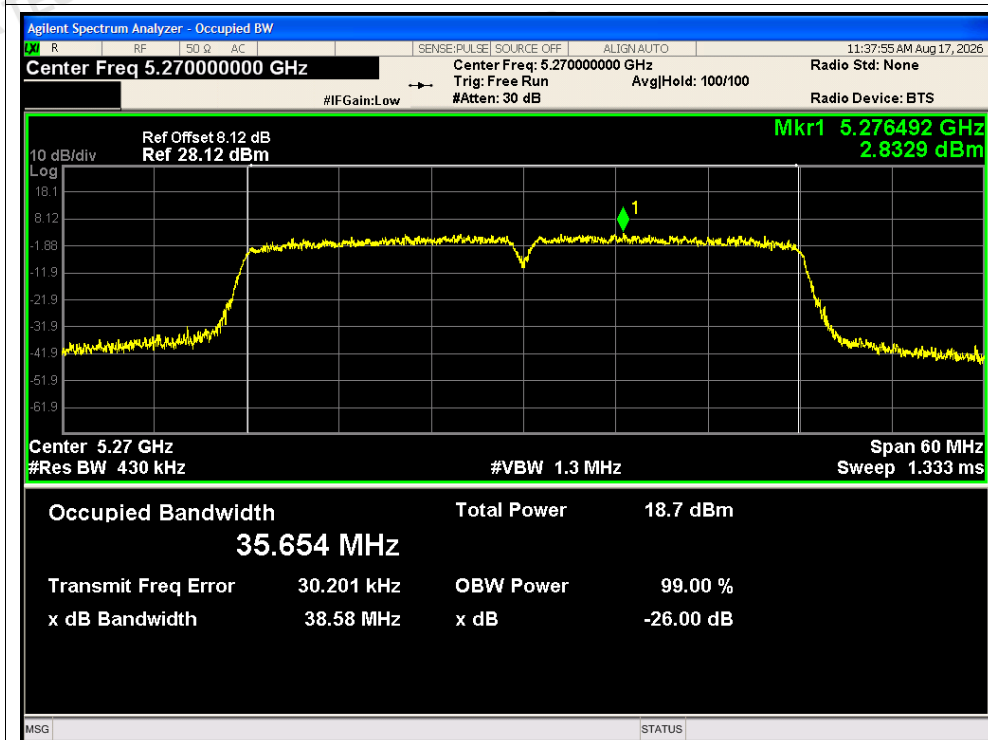
OBW NVNT n20 5280MHz



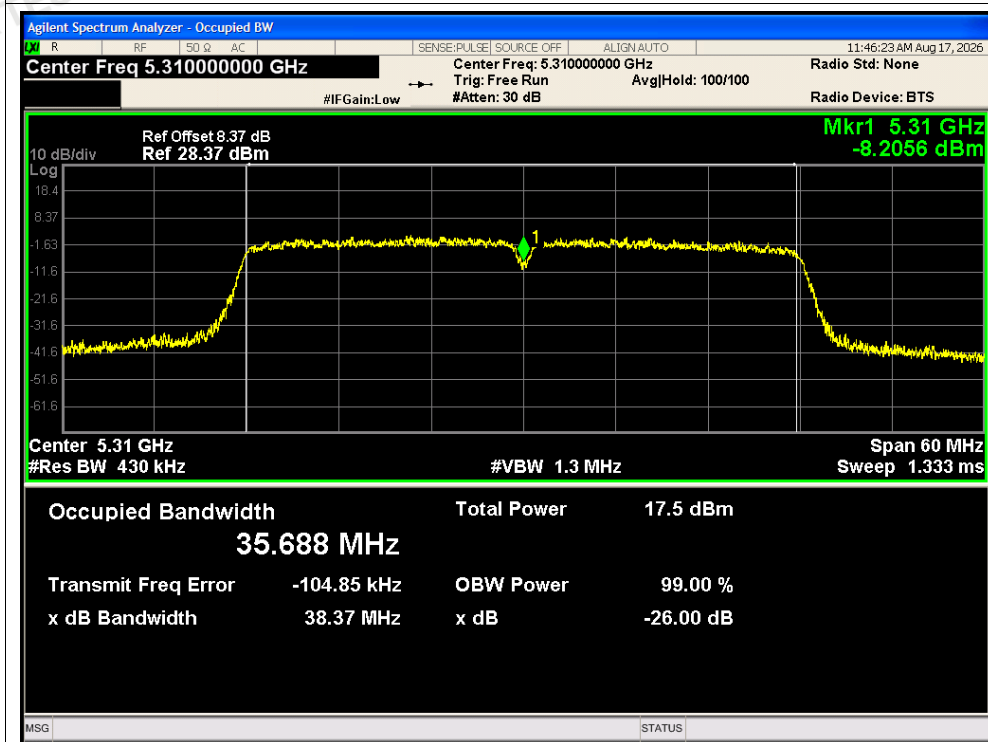
OBW NVNT n20 5320MHz



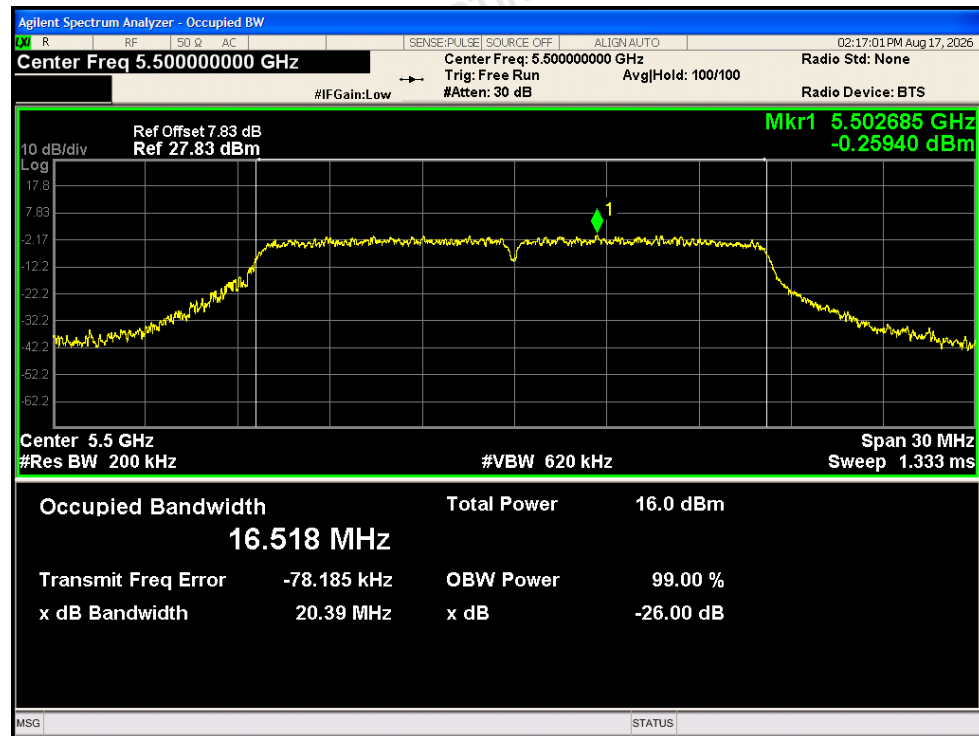
OBW NVNT n40 5270MHz



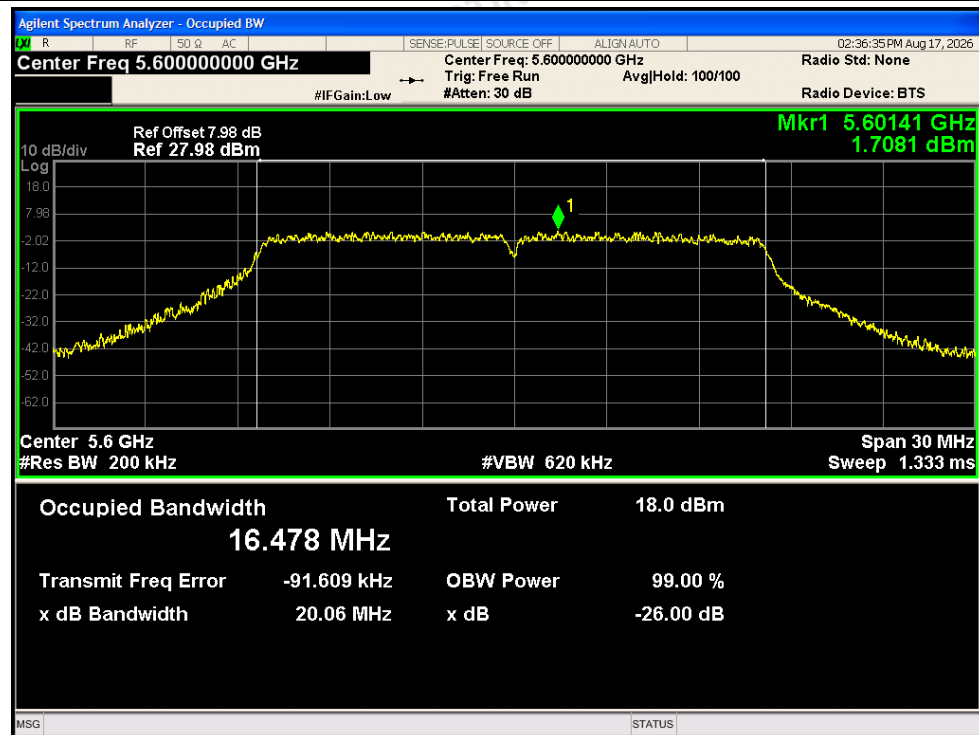
OBW NVNT n40 5310MHz



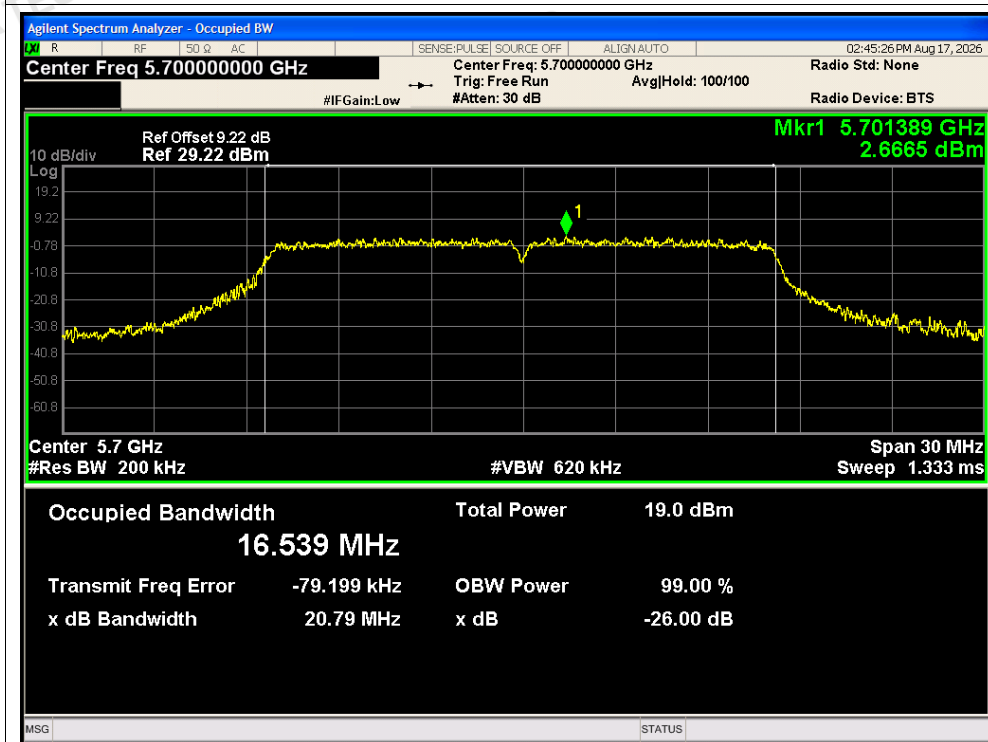
OBW NVNT a 5500MHz



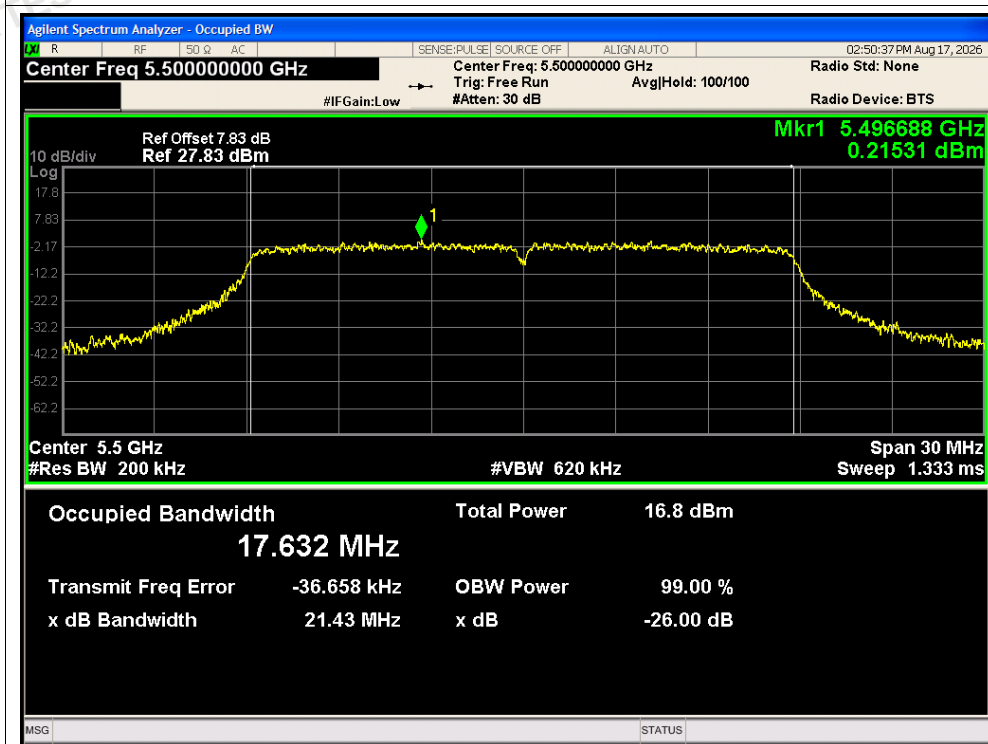
OBW NVNT a 5600MHz



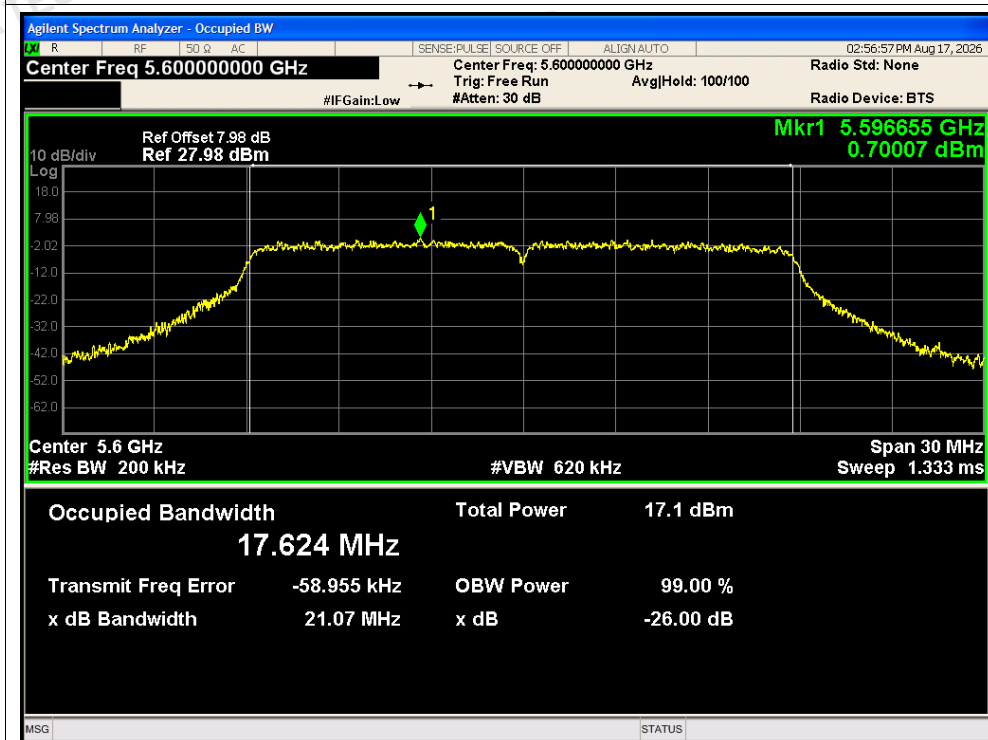
OBW NVNT a 5700MHz



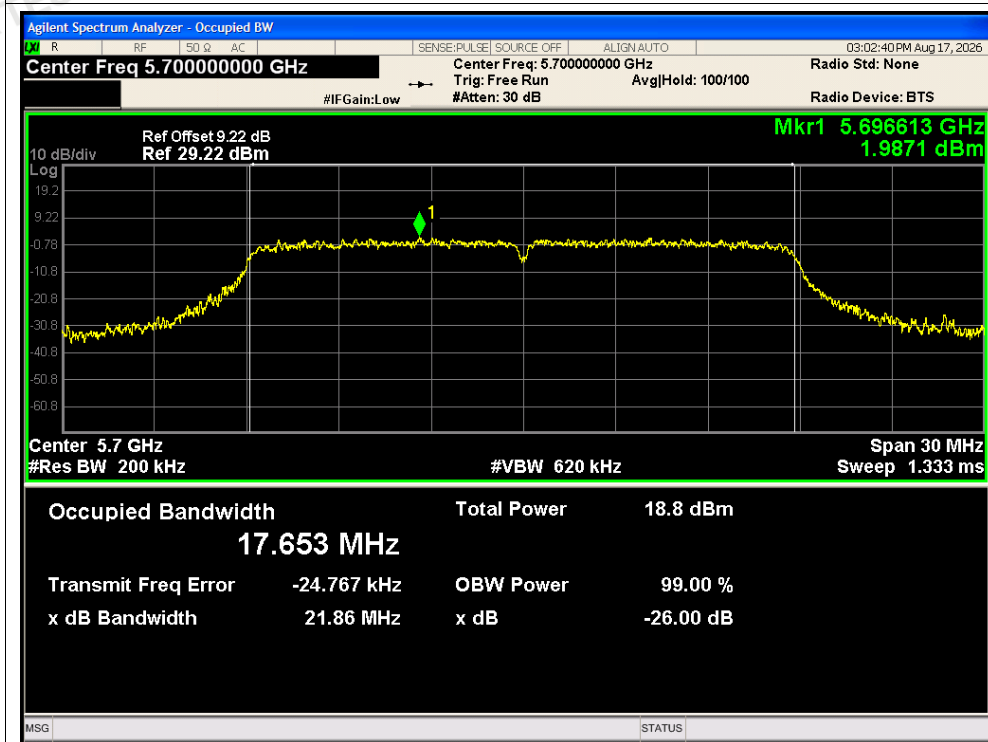
OBW NVNT n20 5500MHz



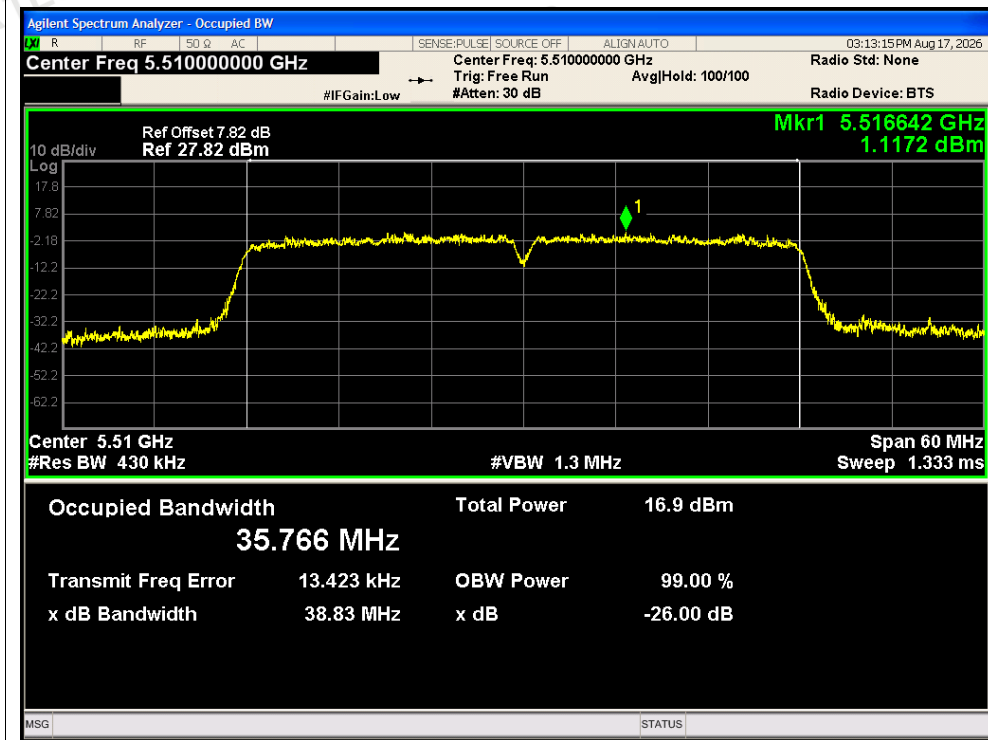
OBW NVNT n20 5600MHz



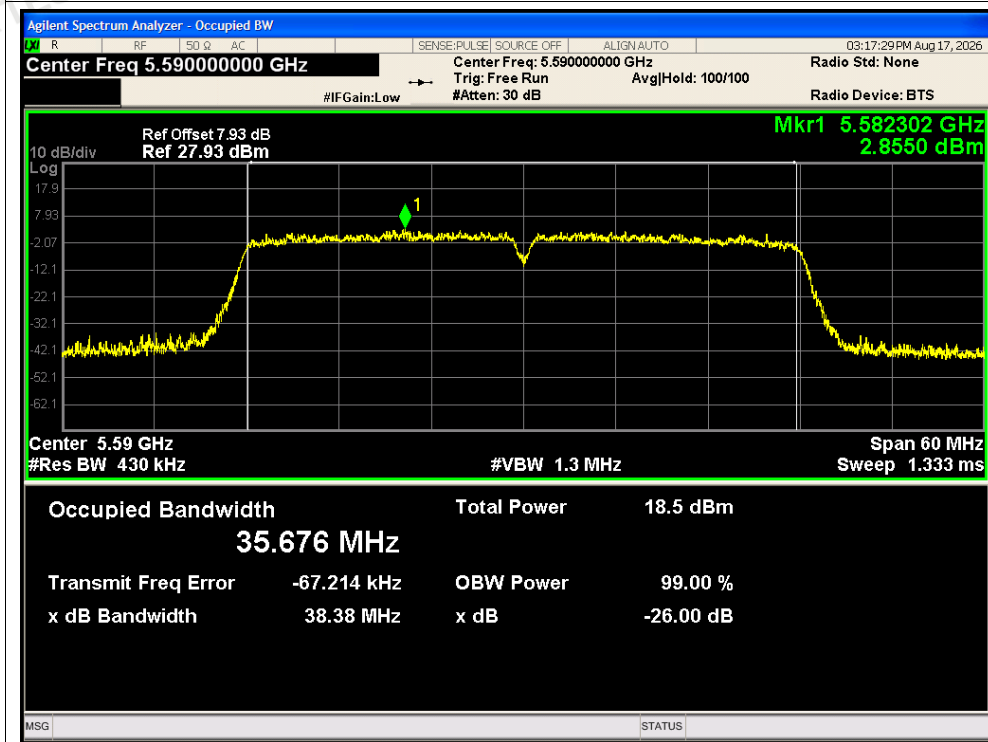
OBW NVNT n20 5700MHz



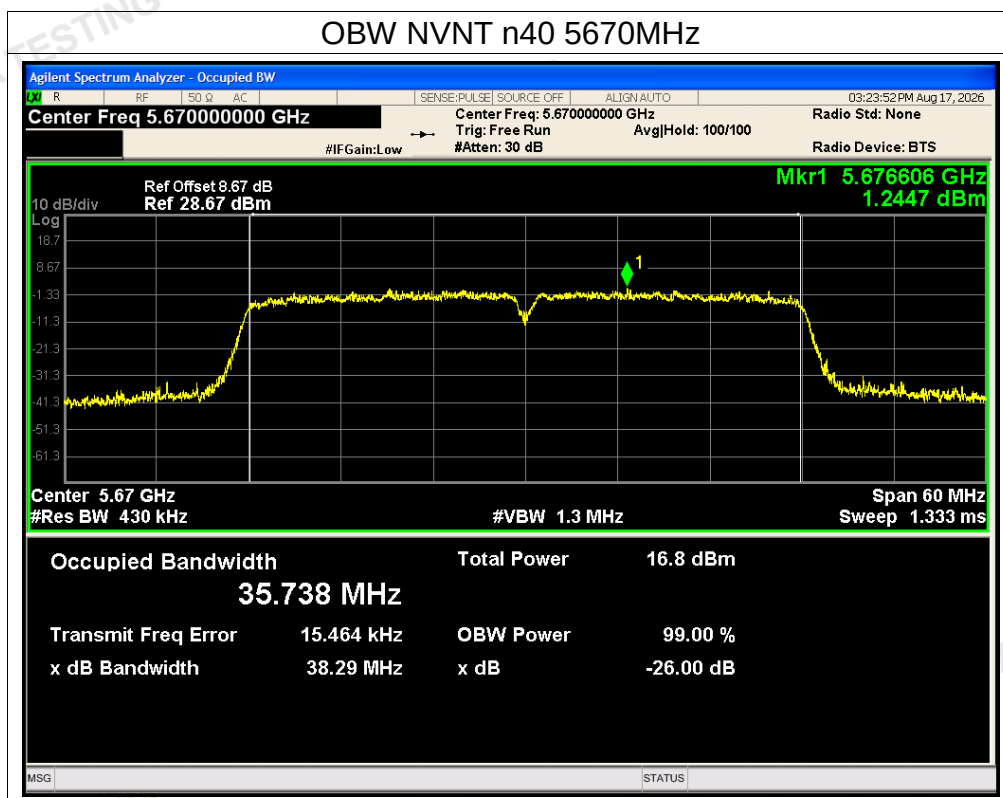
OBW NVNT n40 5510MHz



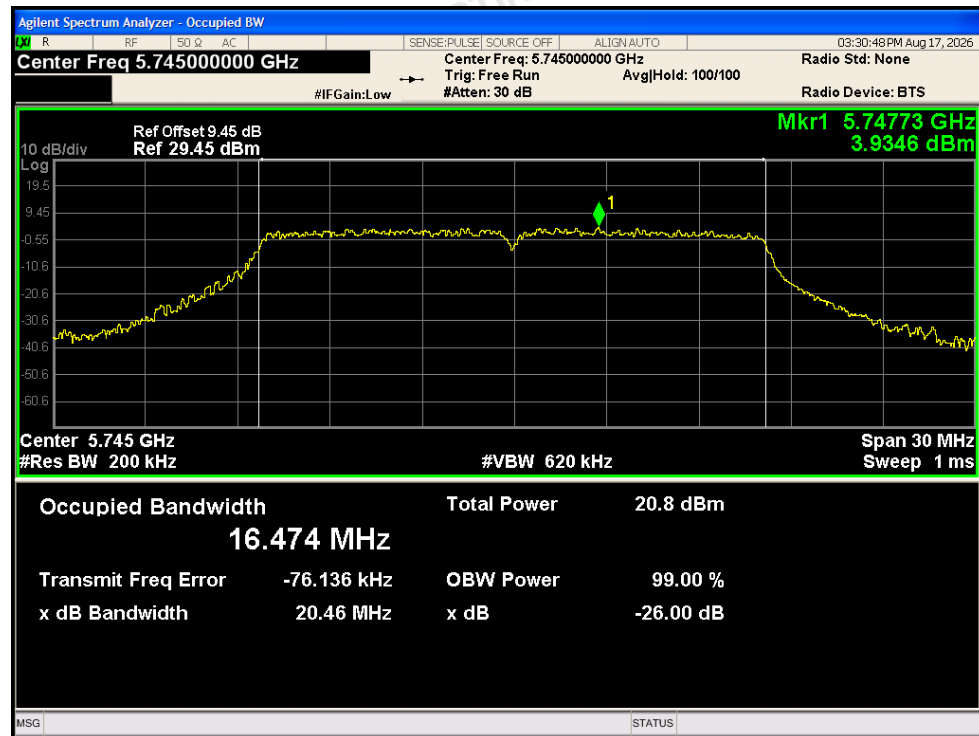
OBW NVNT n40 5590MHz



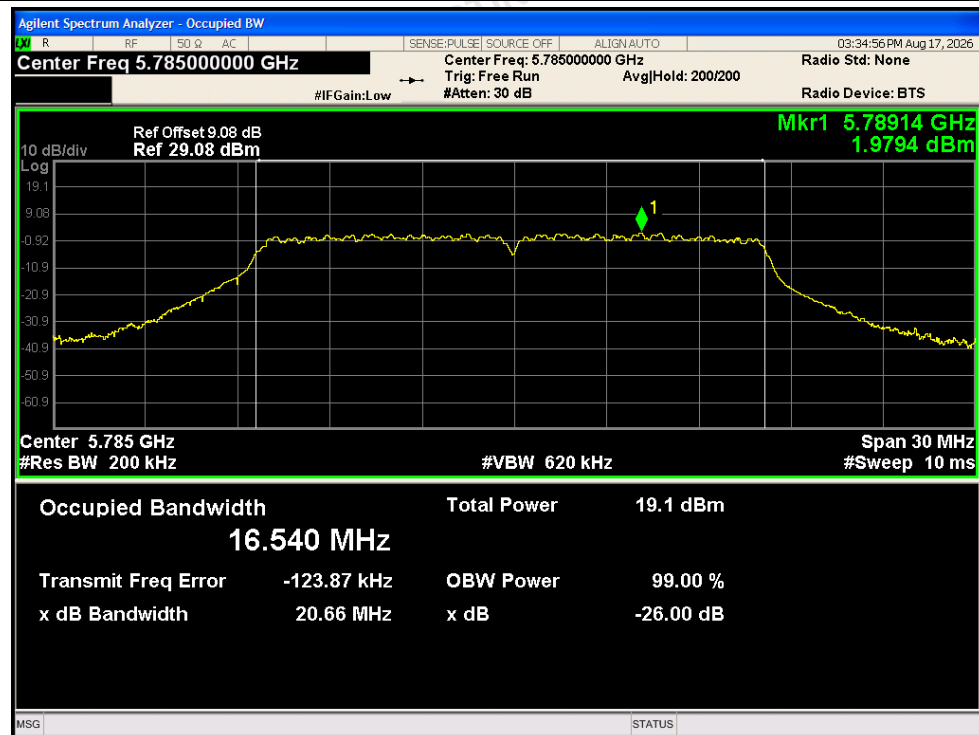
OBW NVNT n40 5670MHz



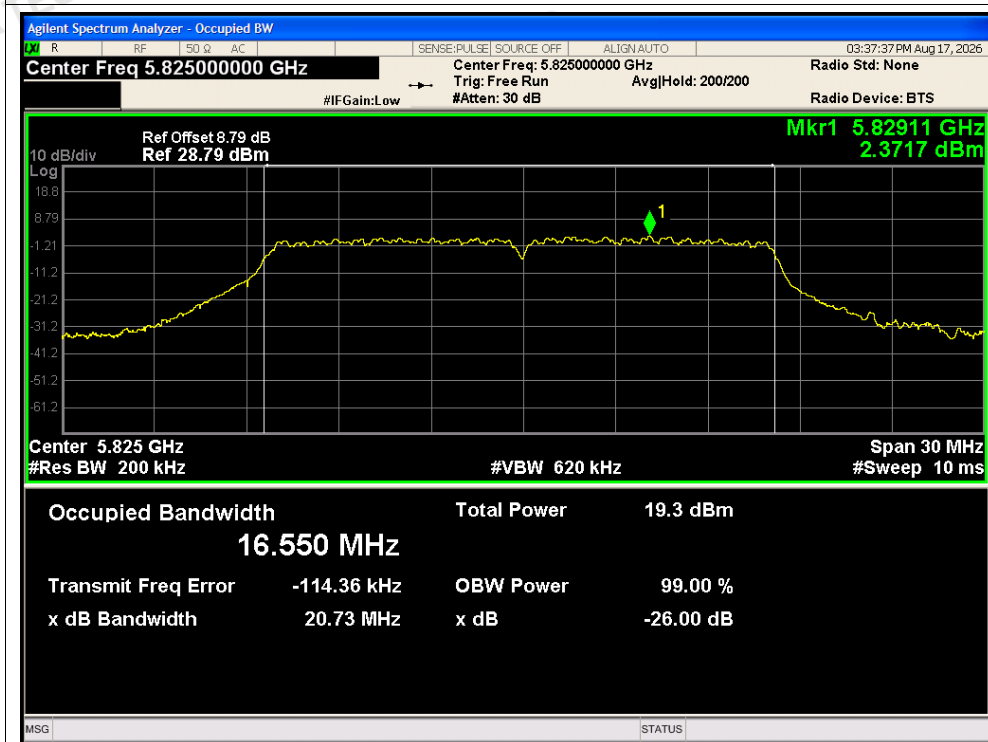
OBW NVNT a 5745MHz



OBW NVNT a 5785MHz



OBW NVNT a 5825MHz



OBW NVNT n20 5745MHz

