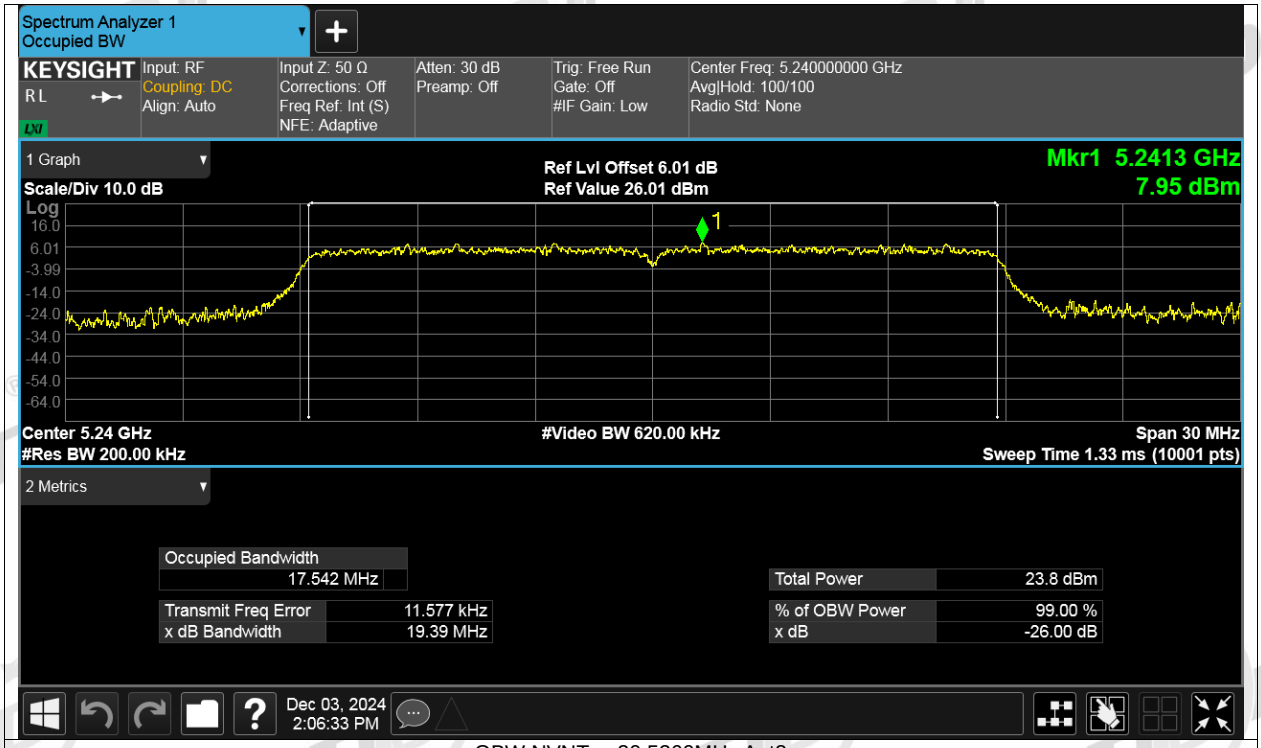
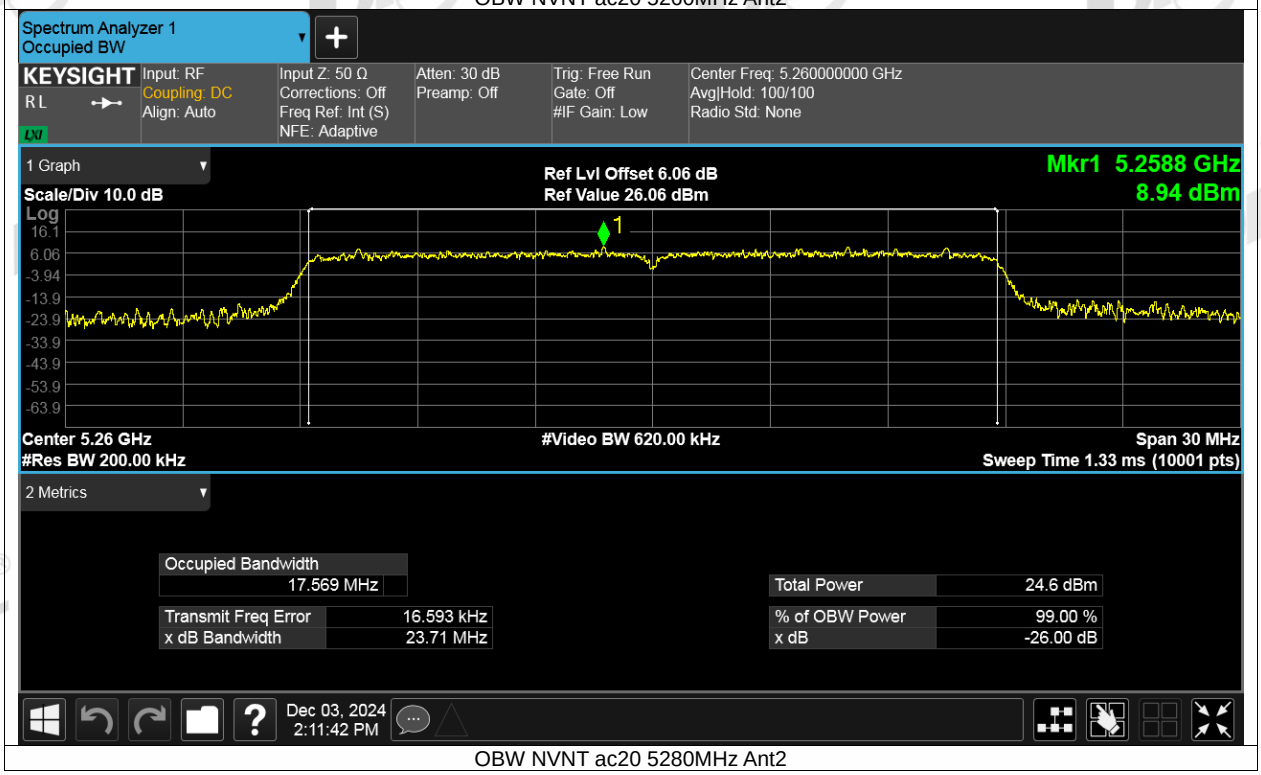
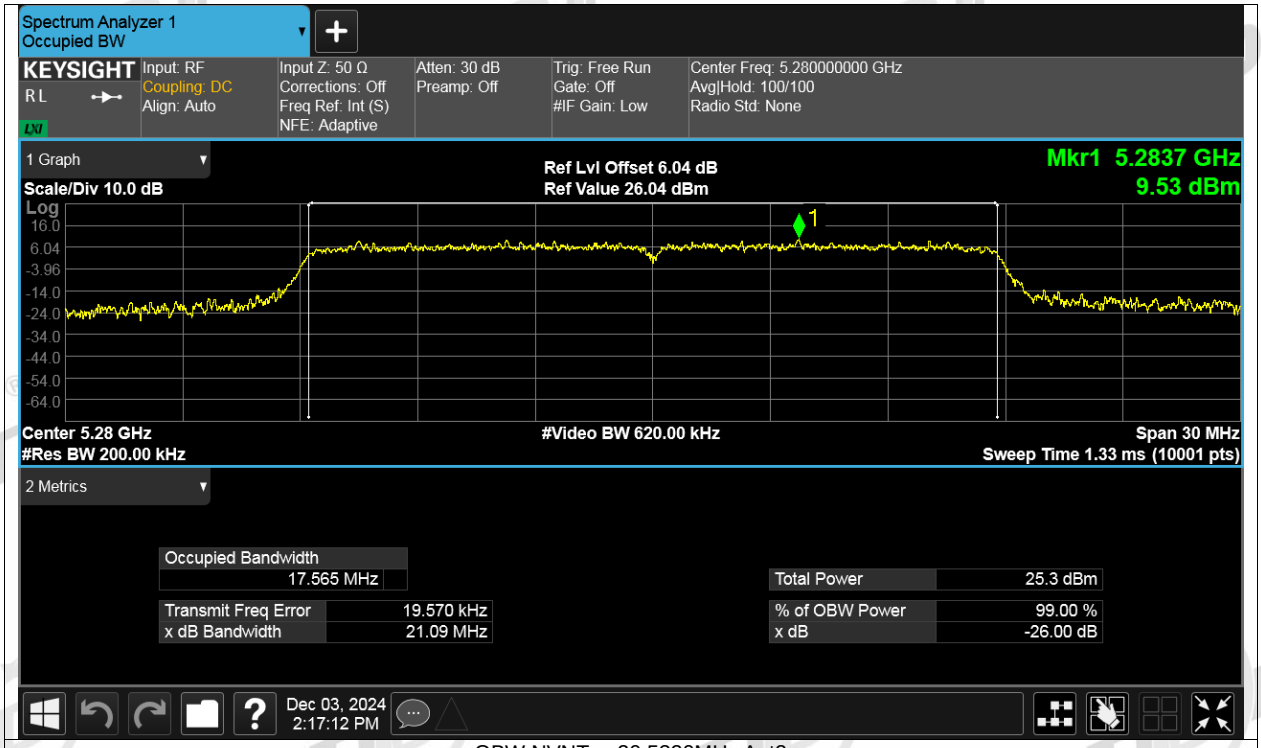


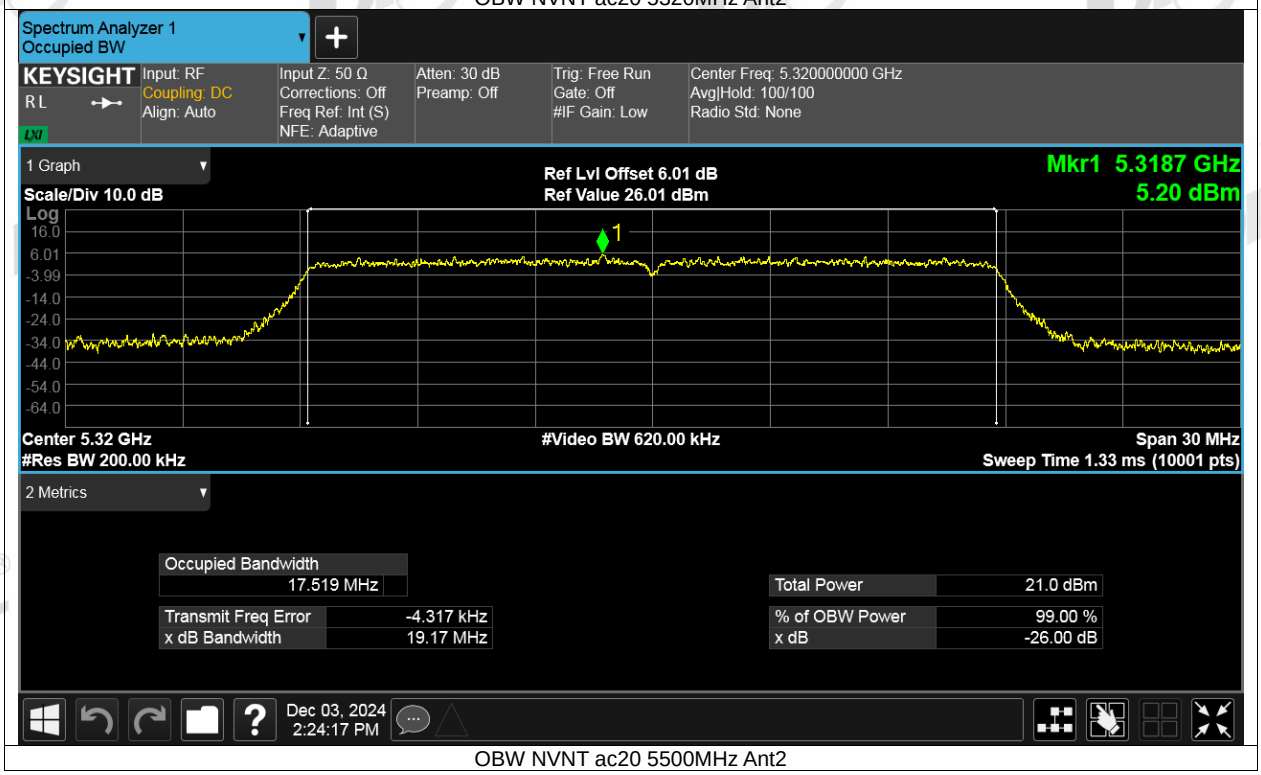
OBW NVNT ac20 5260MHz Ant2



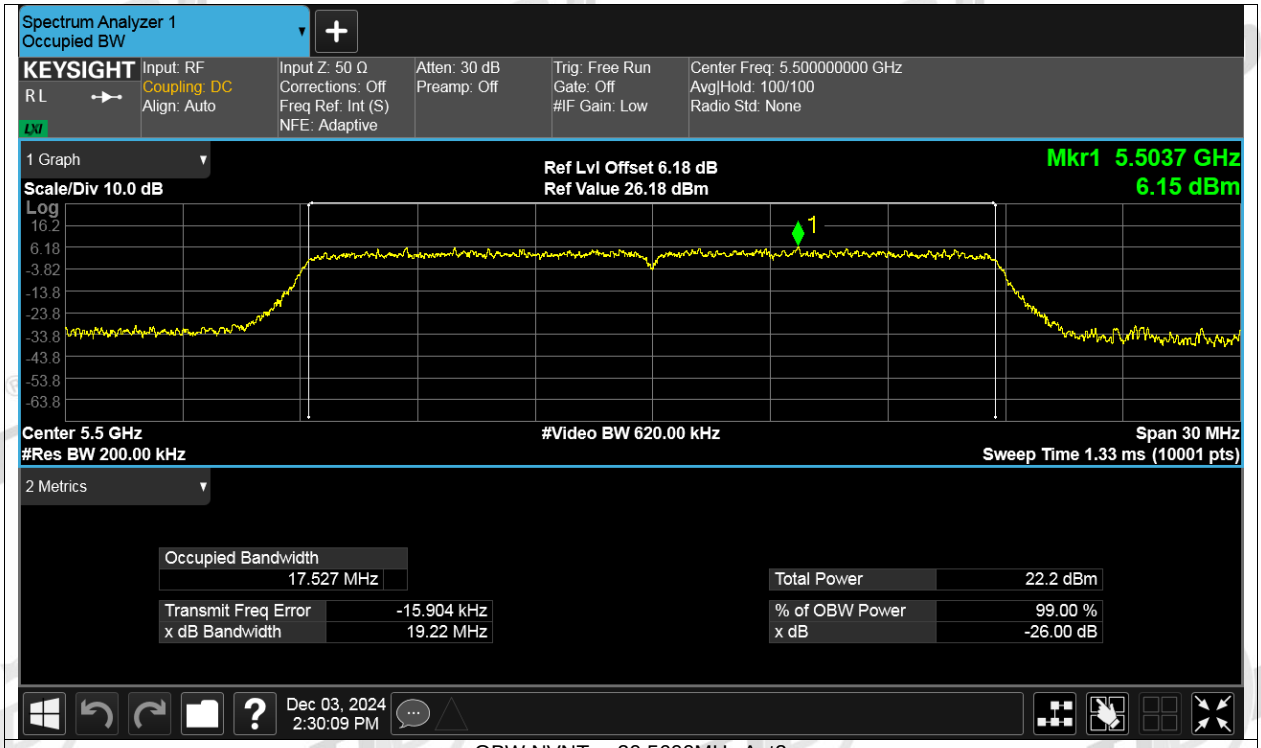
OBW NVNT ac20 5280MHz Ant2



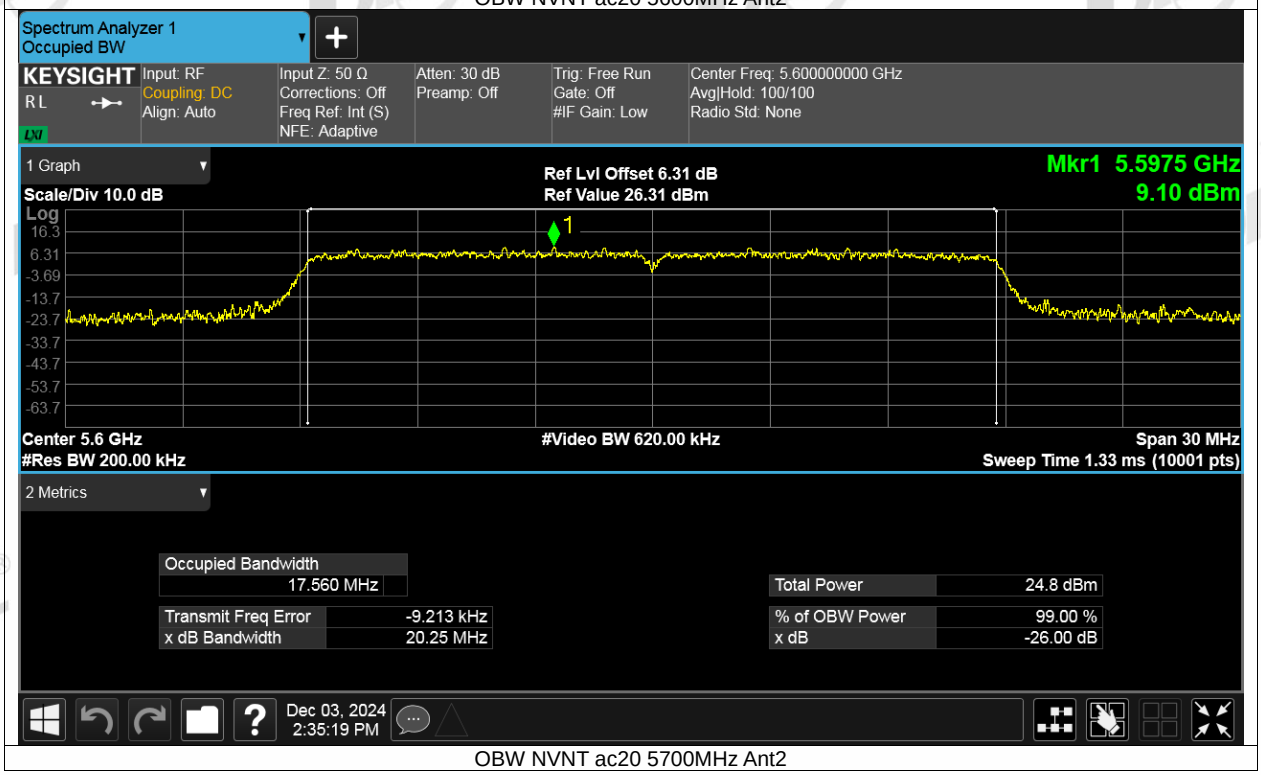
OBW NVNT ac20 5320MHz Ant2



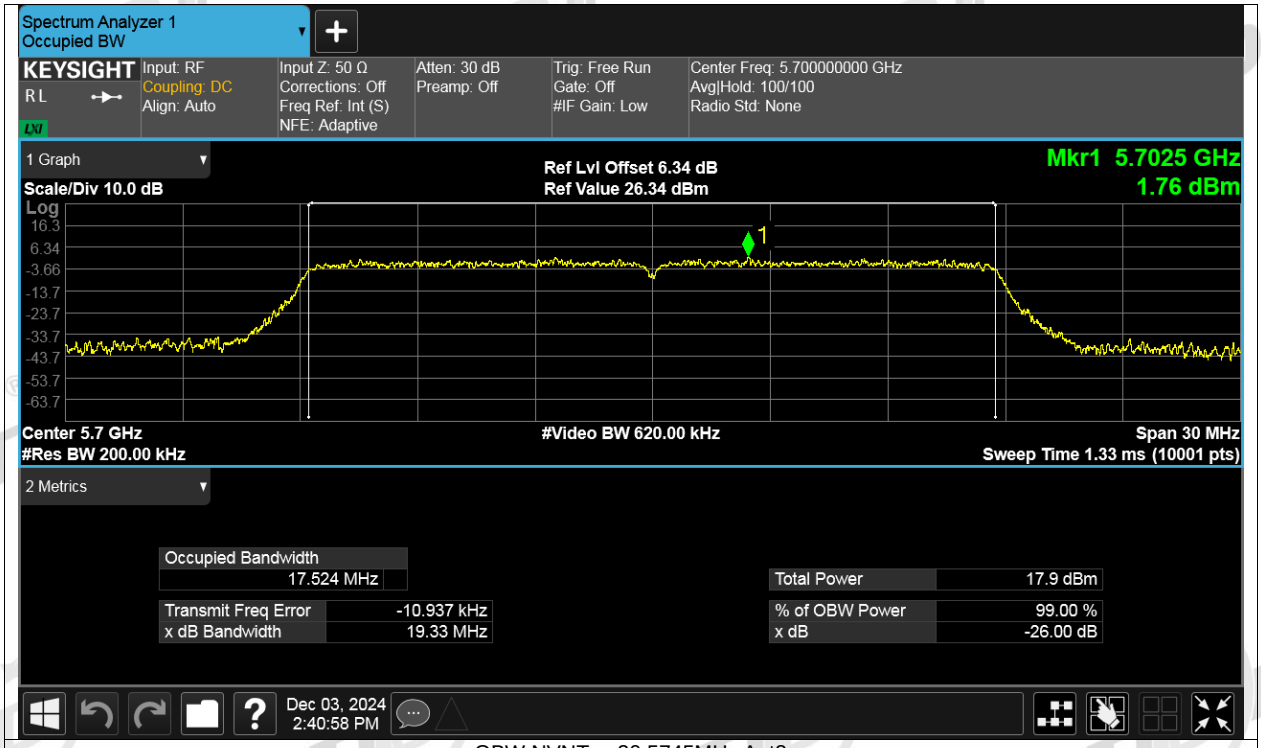
OBW NVNT ac20 5500MHz Ant2



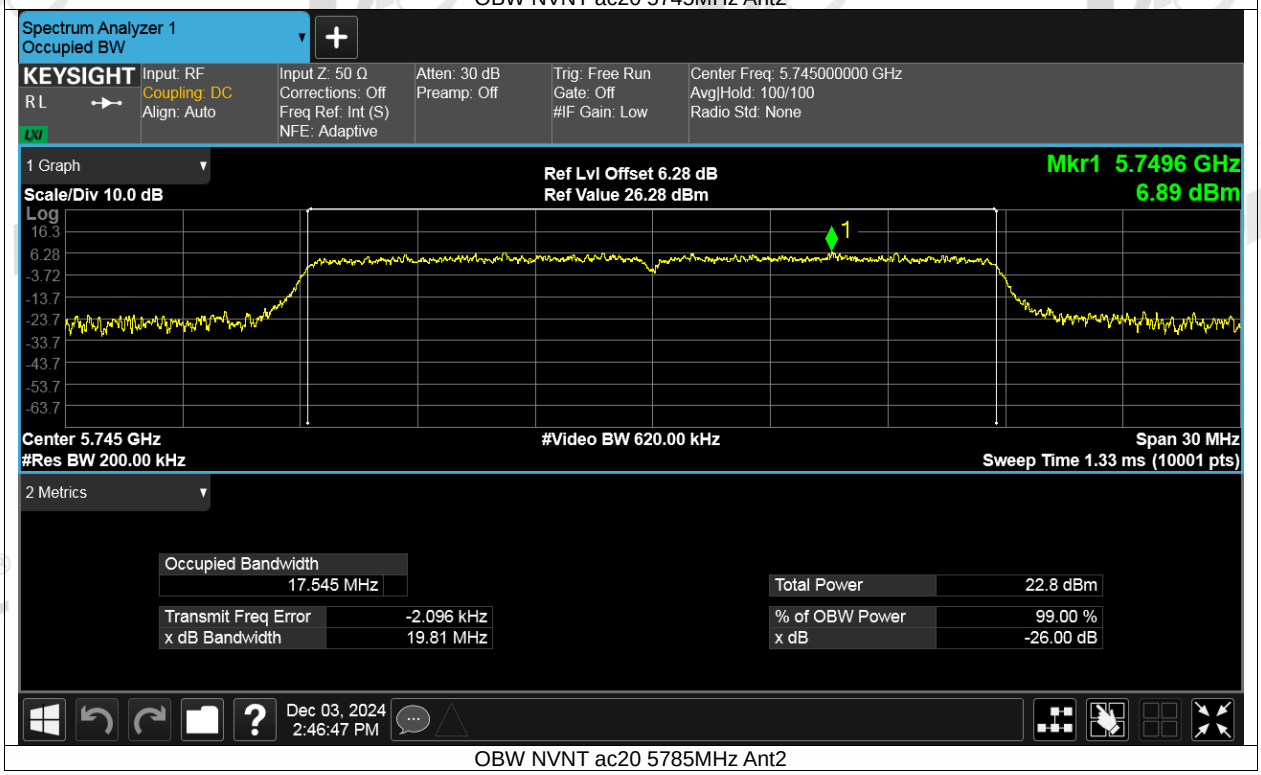
OBW NVNT ac20 5600MHz Ant2



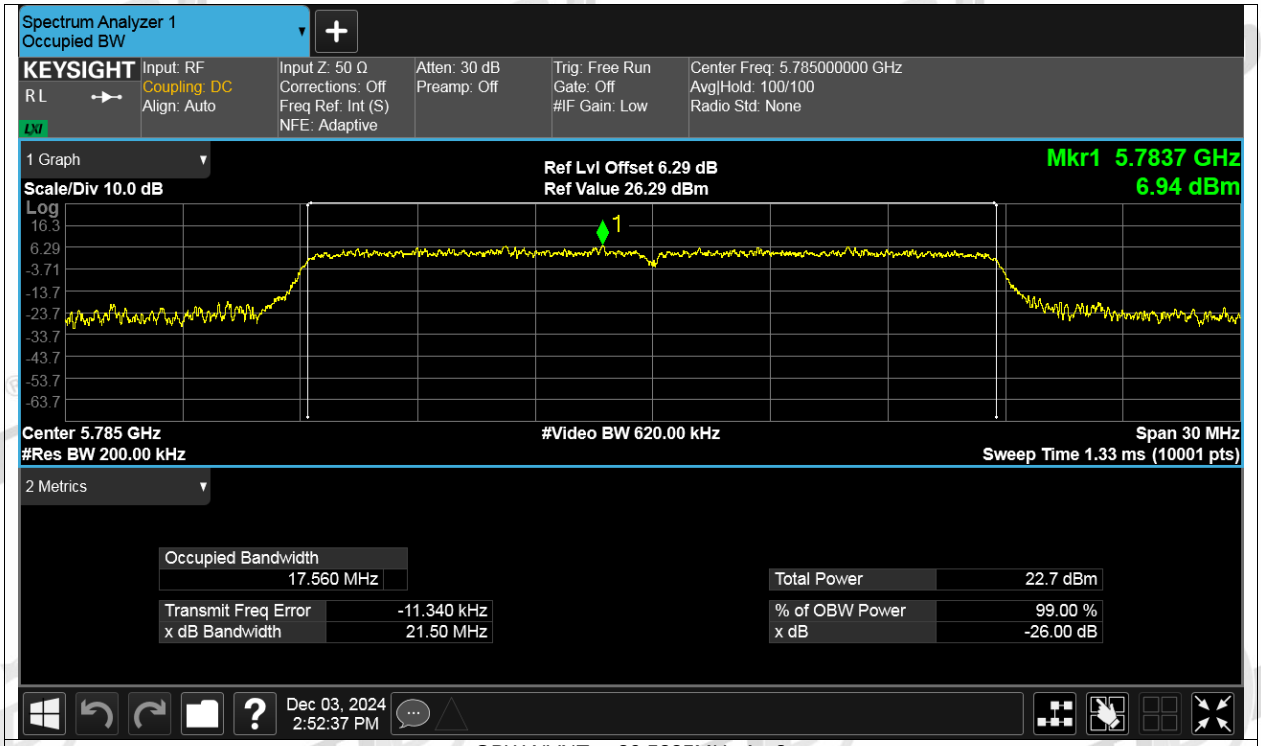
OBW NVNT ac20 5700MHz Ant2



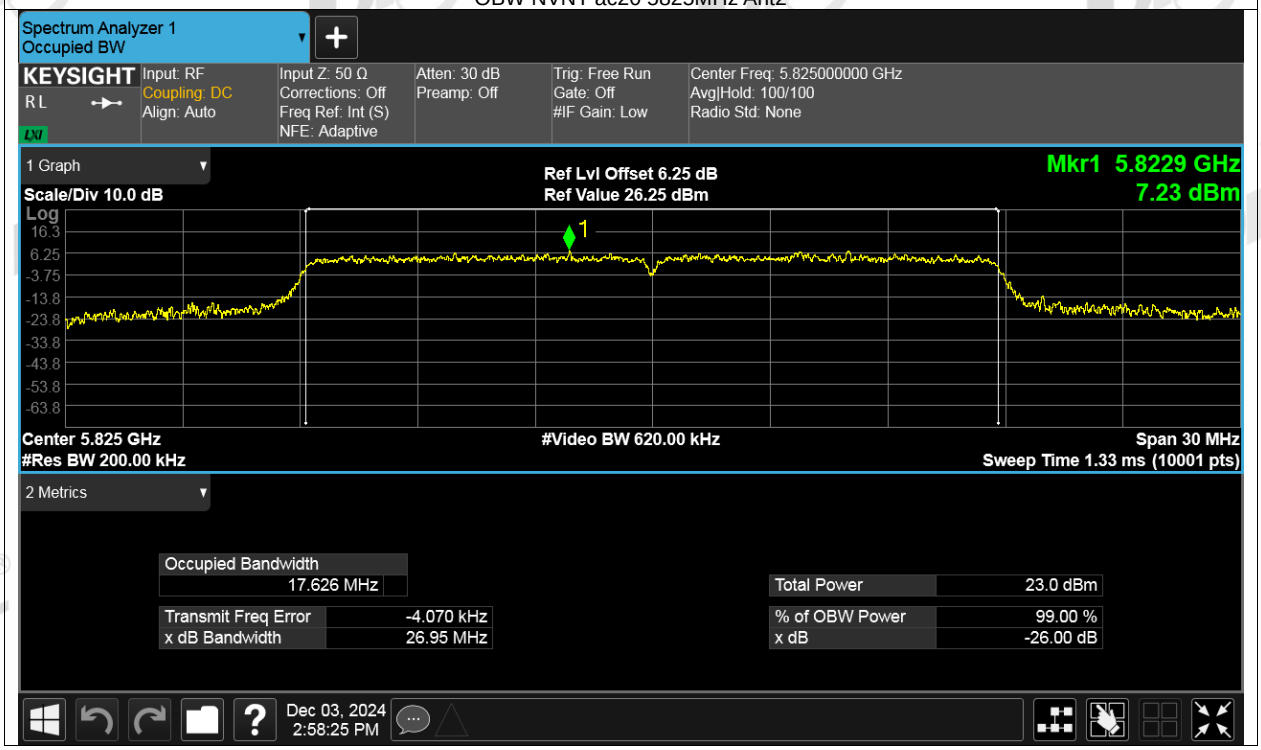
OBW NVNT ac20 5745MHz Ant2



OBW NVNT ac20 5785MHz Ant2



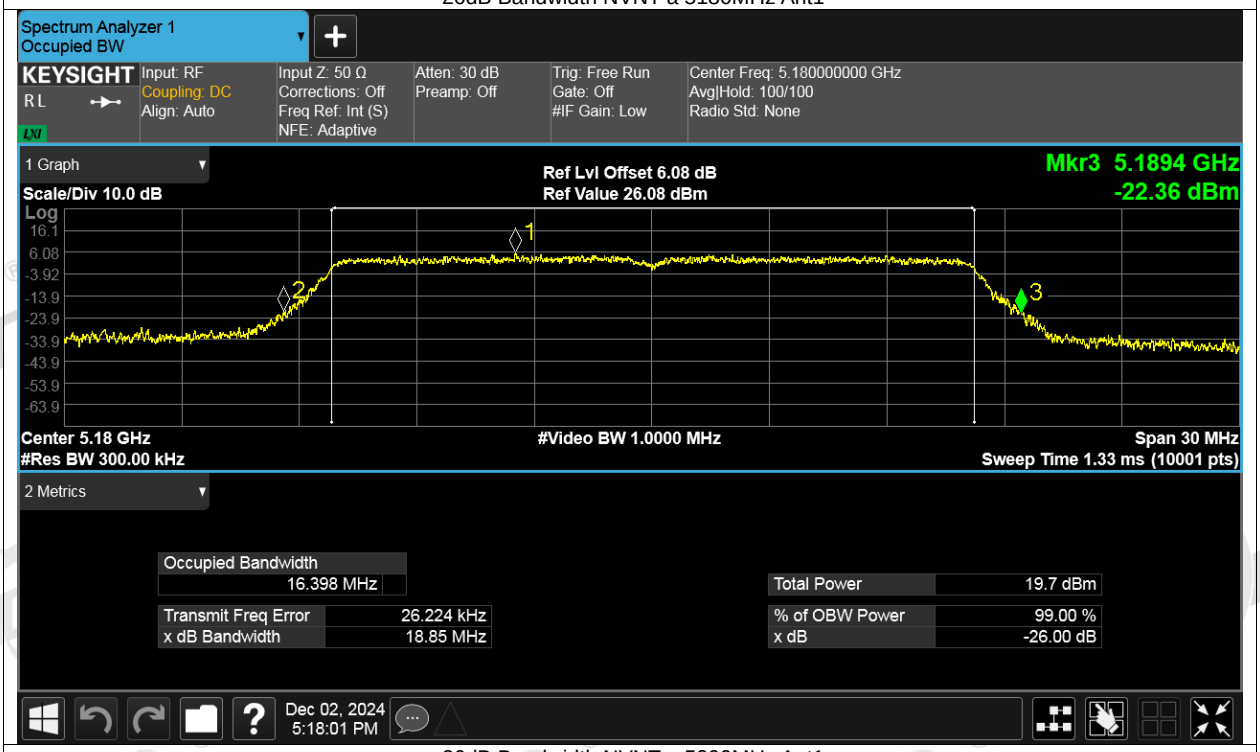
OBW NVNT ac20 5825MHz Ant2



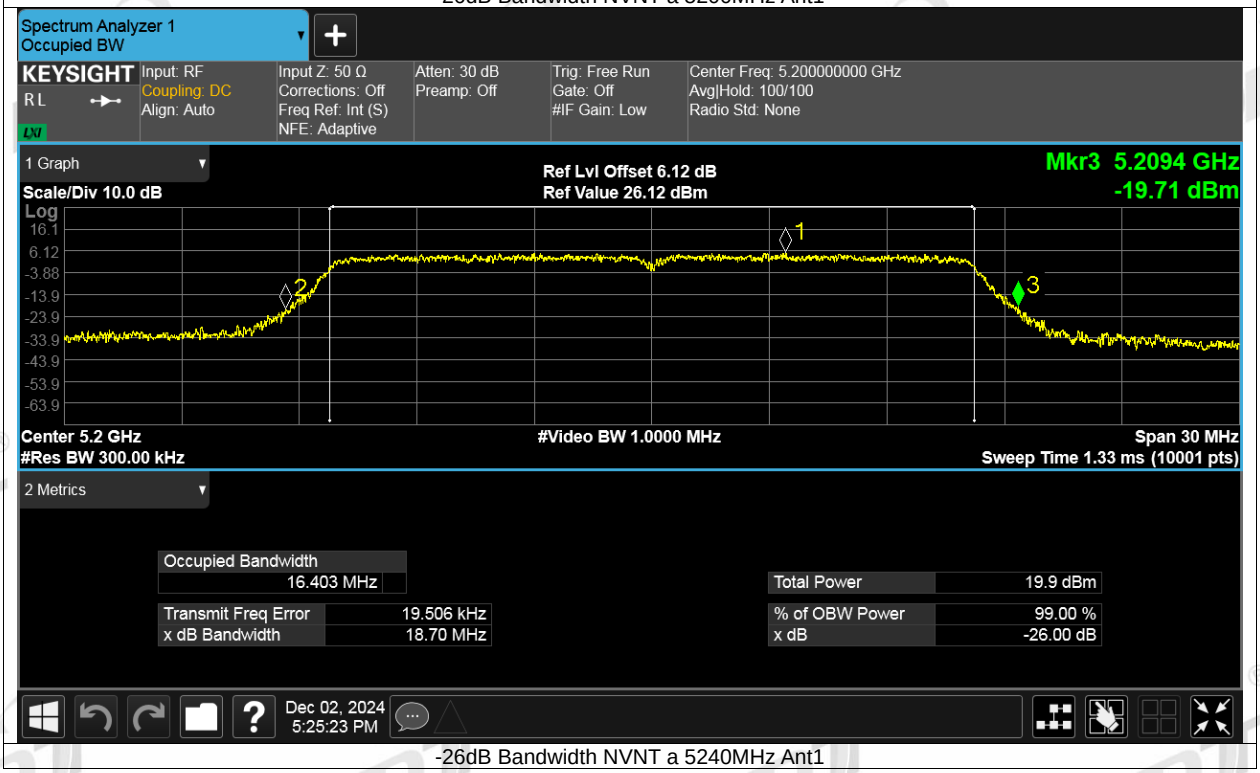
26dB Bandwidth

Test Graphs

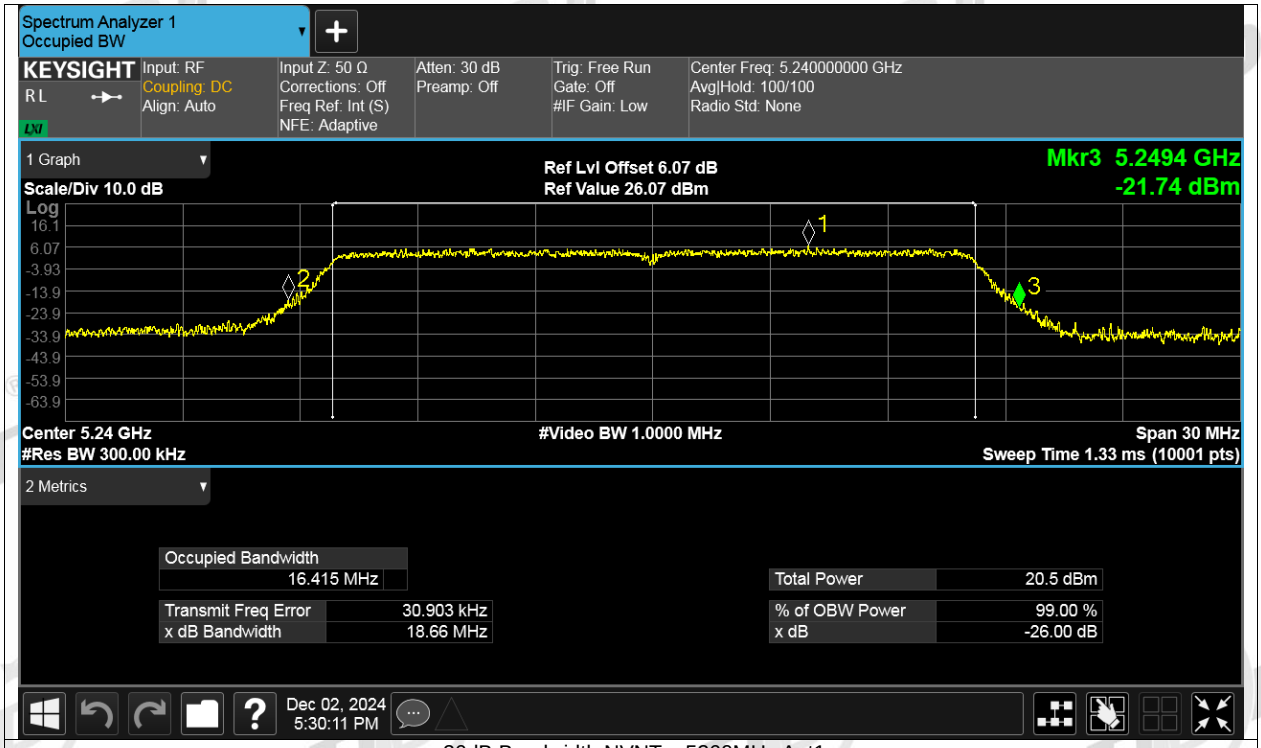
-26dB Bandwidth NVNT a 5180MHz Ant1



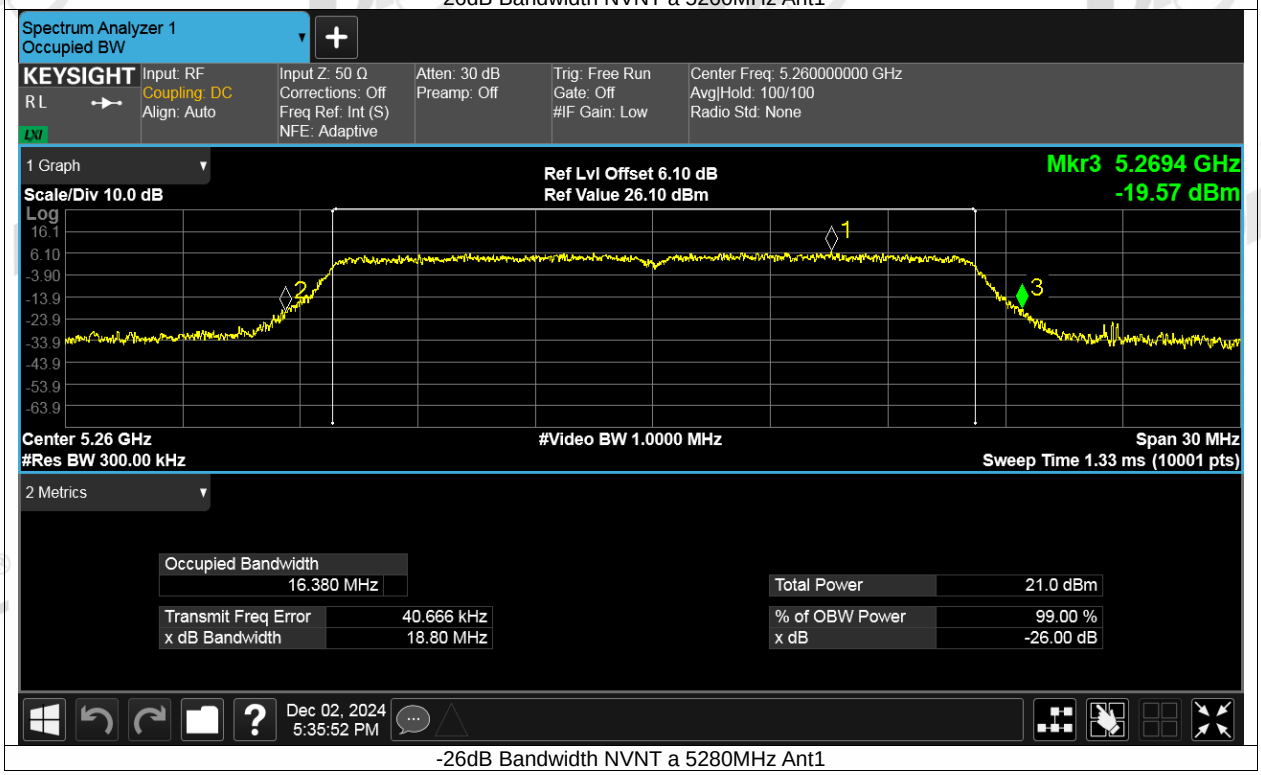
-26dB Bandwidth NVNT a 5200MHz Ant1



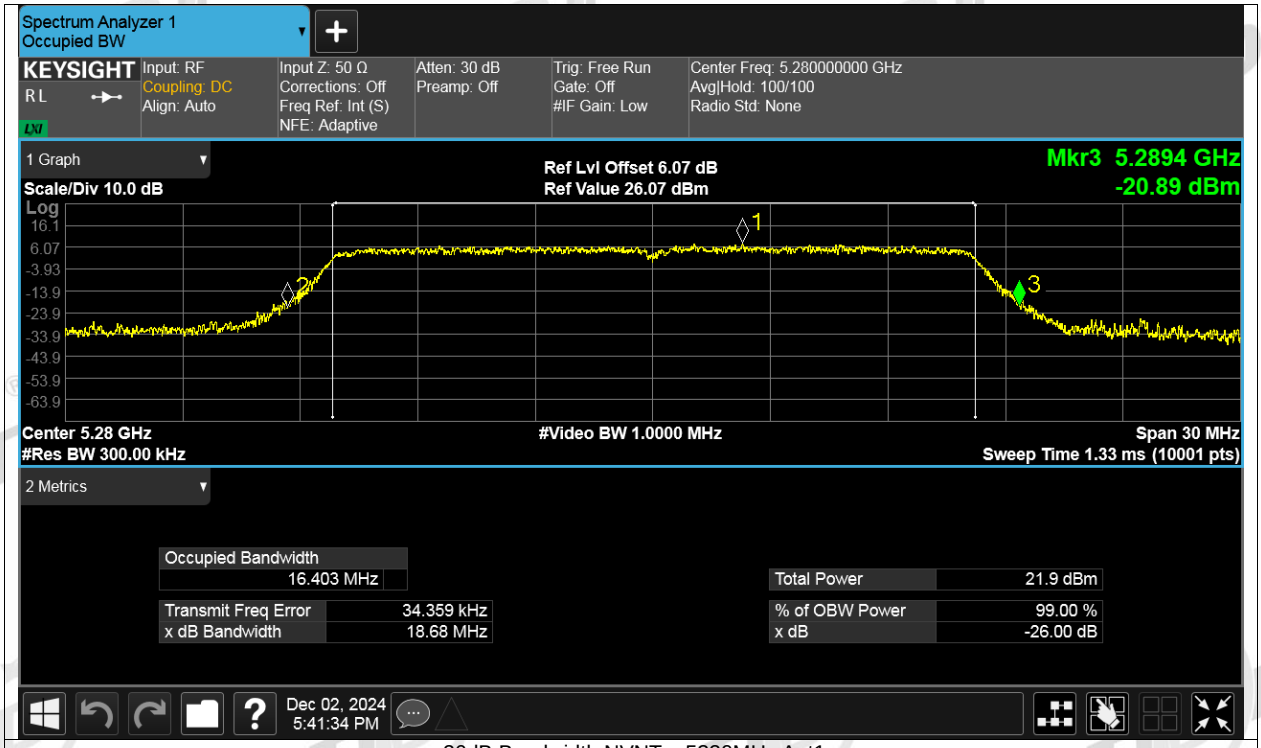
-26dB Bandwidth NVNT a 5240MHz Ant1



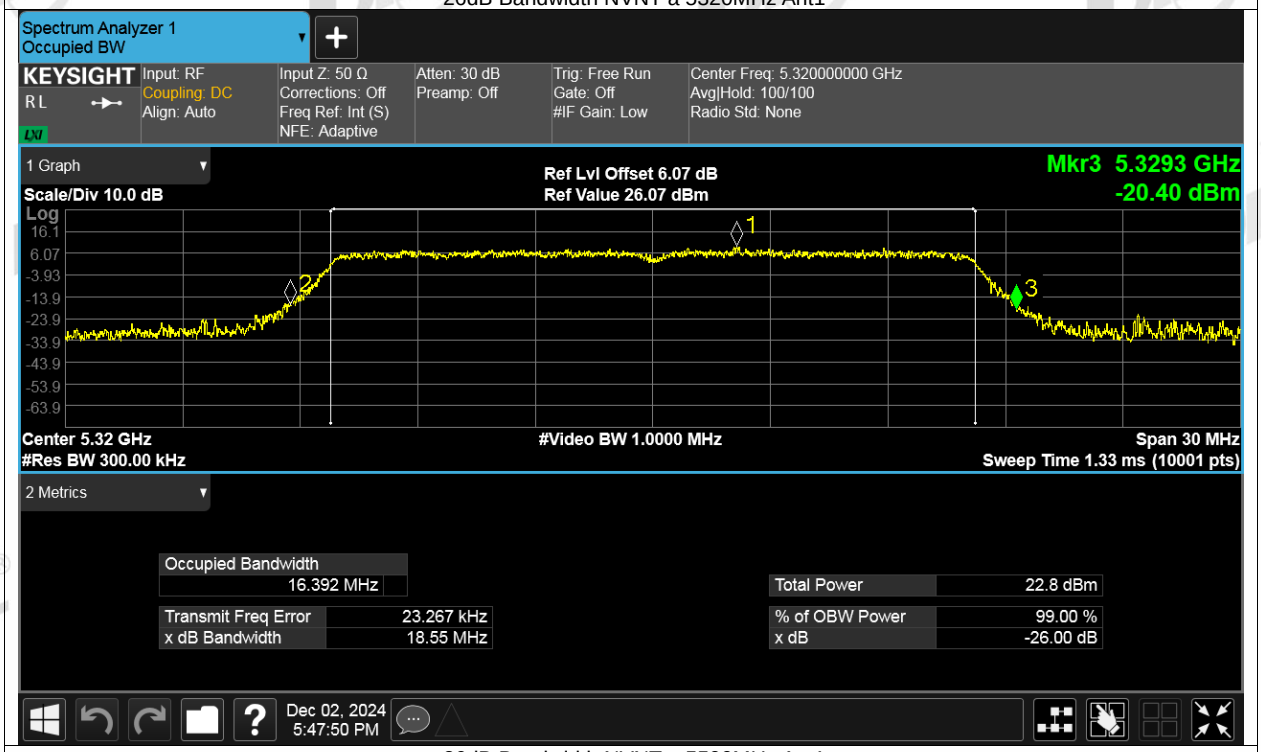
-26dB Bandwidth NVNT a 5260MHz Ant1



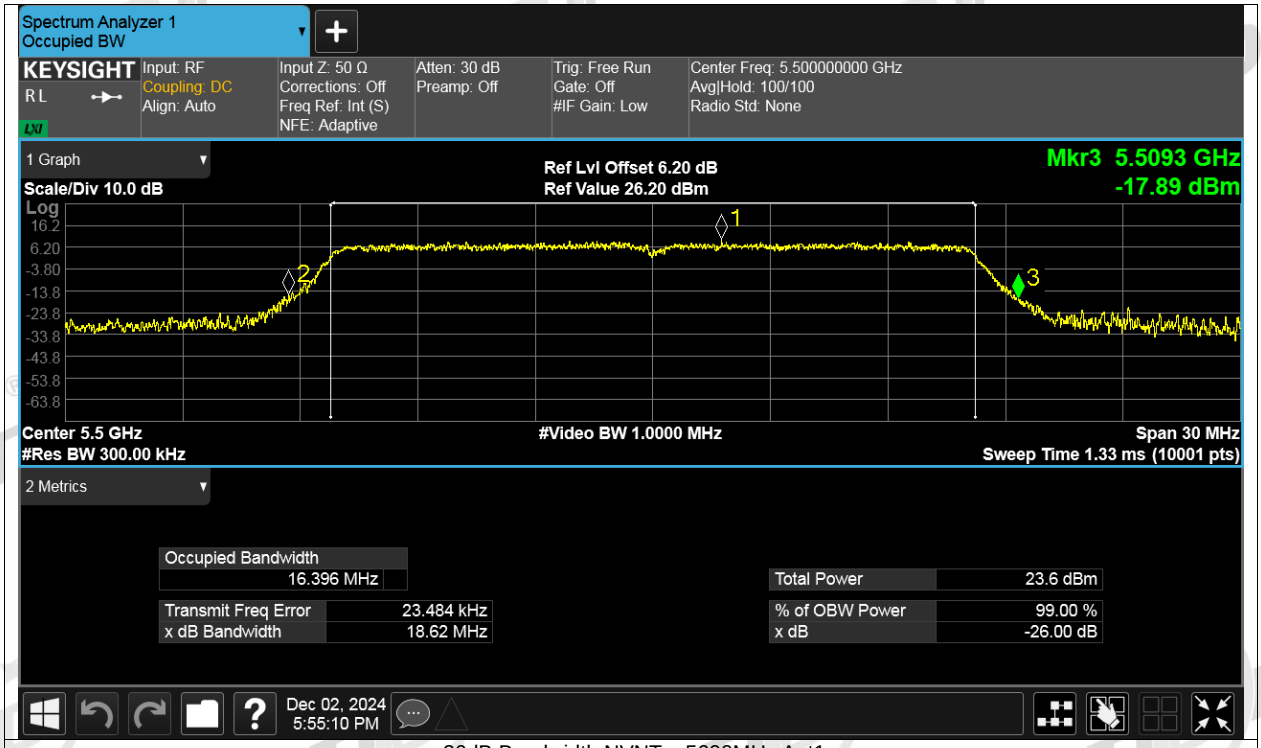
-26dB Bandwidth NVNT a 5280MHz Ant1



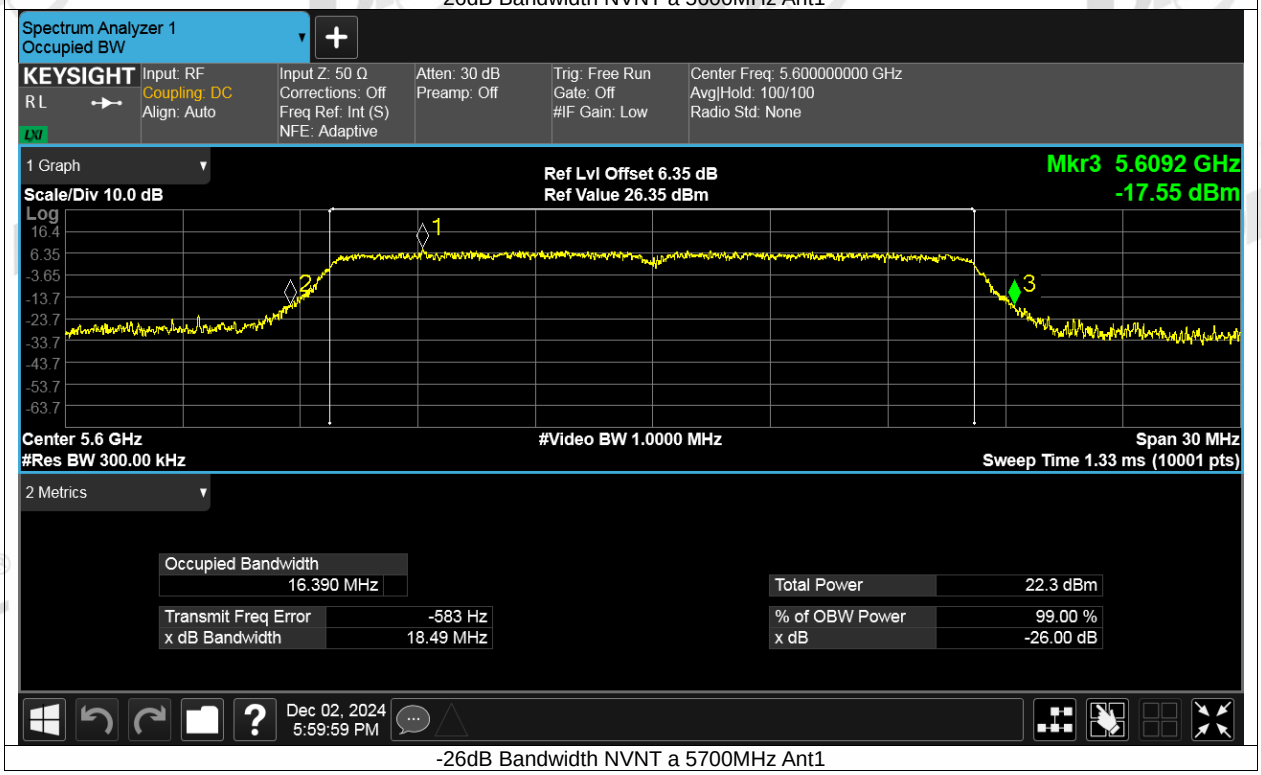
-26dB Bandwidth NVNT a 5320MHz Ant1



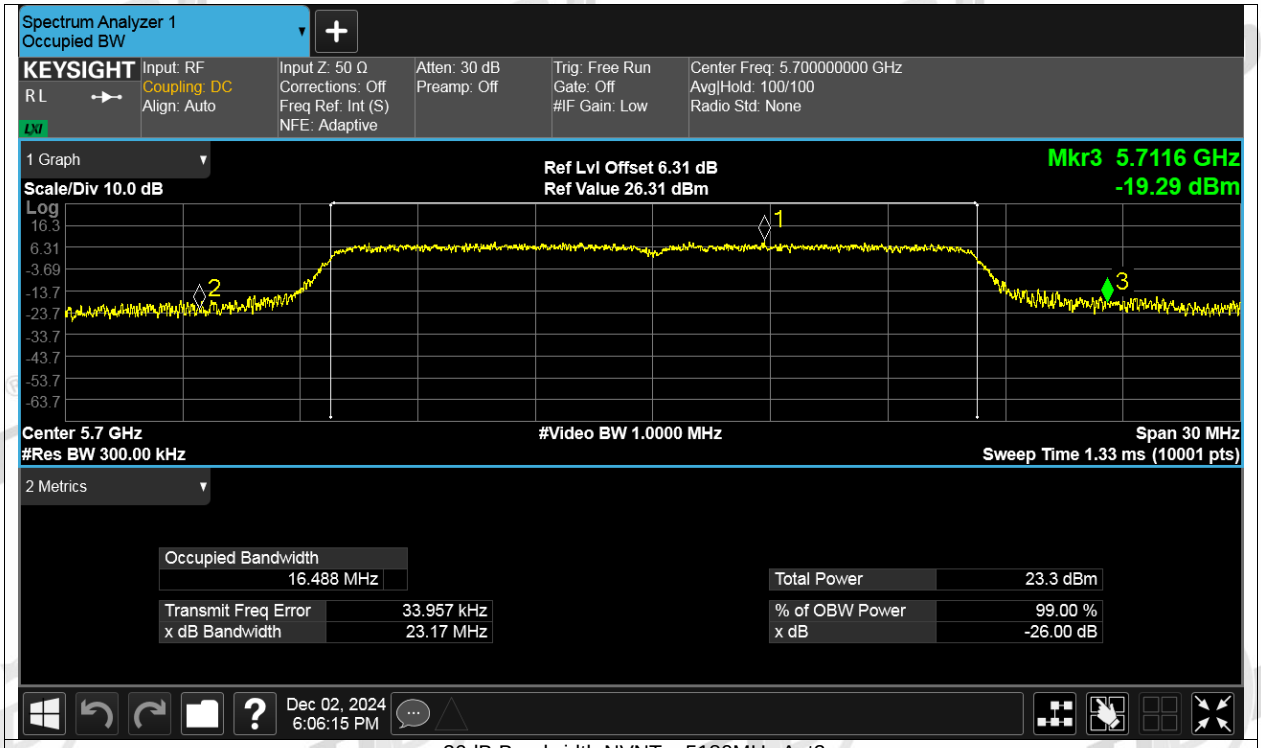
-26dB Bandwidth NVNT a 5500MHz Ant1



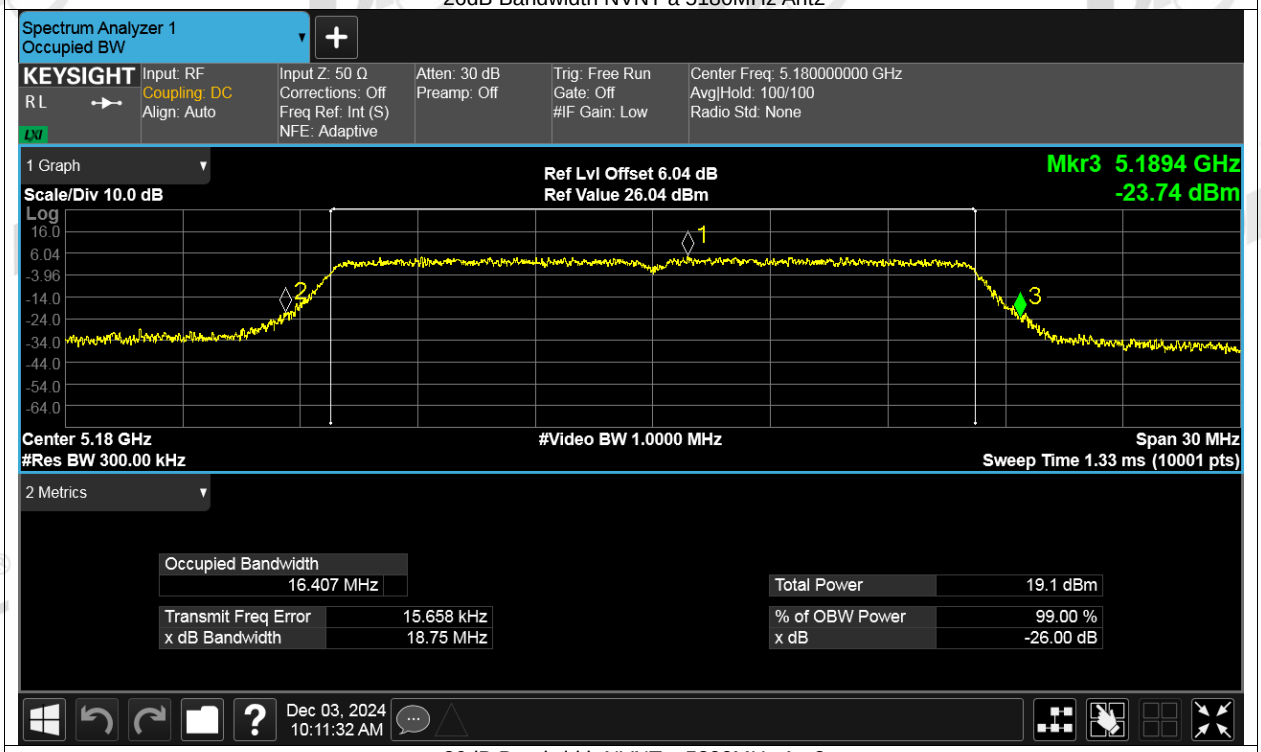
-26dB Bandwidth NVNT a 5600MHz Ant1



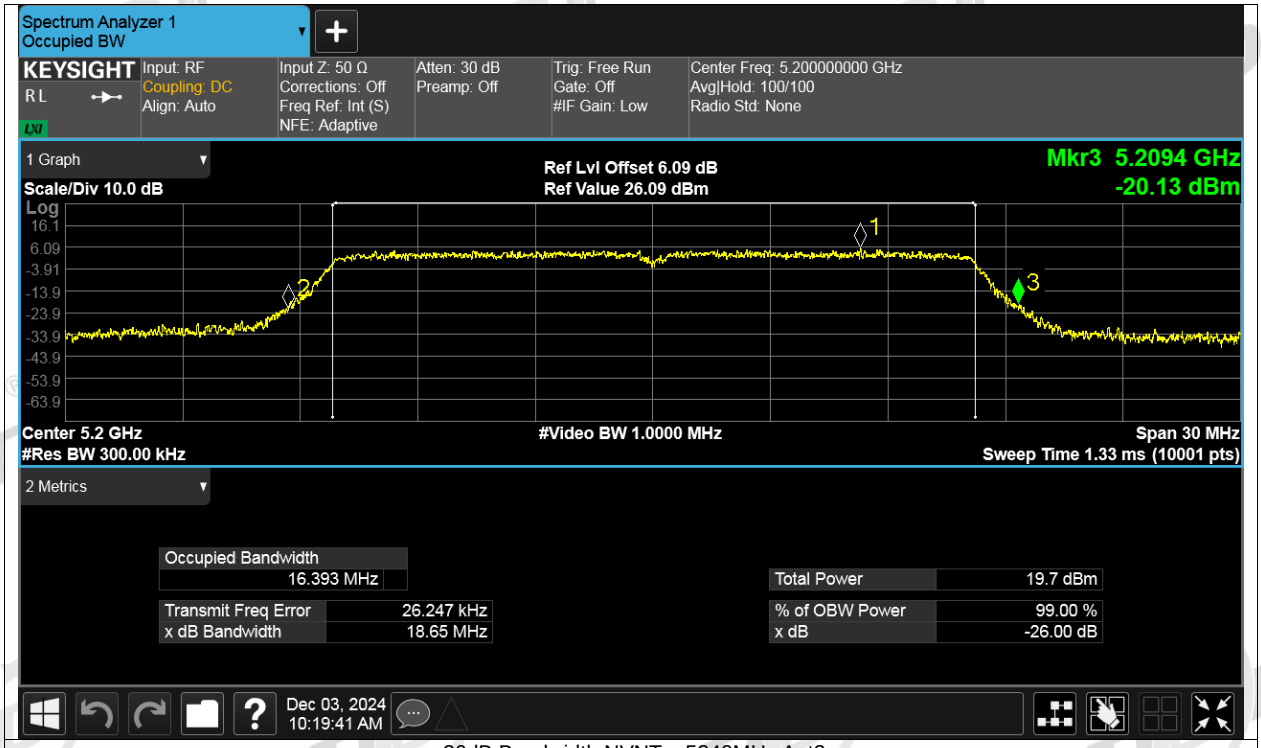
-26dB Bandwidth NVNT a 5700MHz Ant1



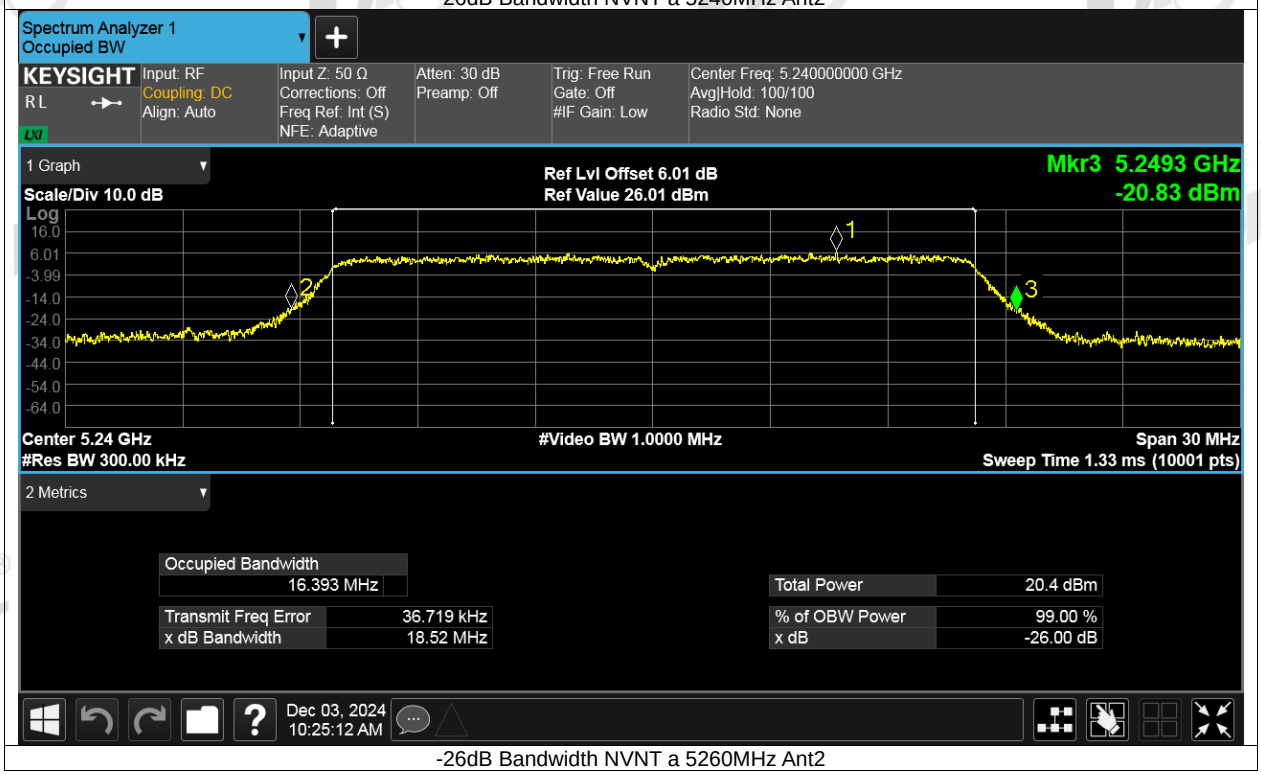
-26dB Bandwidth NVNT a 5180MHz Ant2



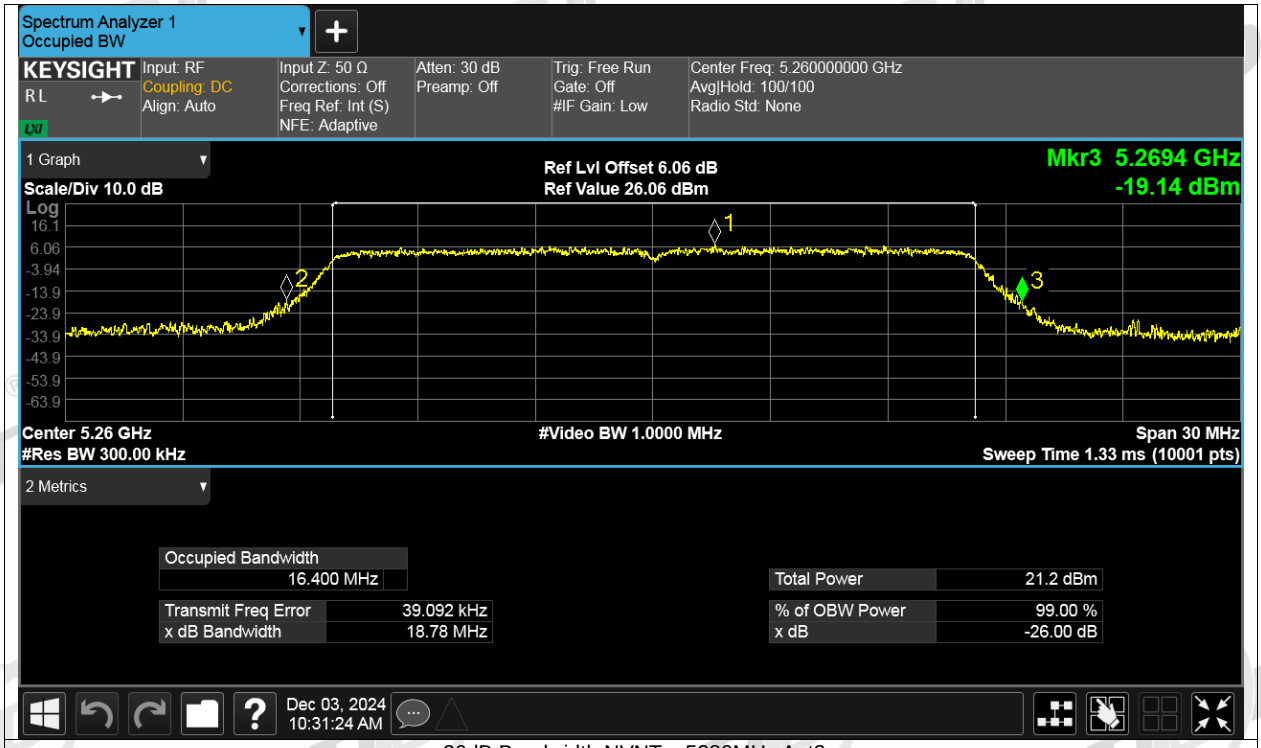
-26dB Bandwidth NVNT a 5200MHz Ant2



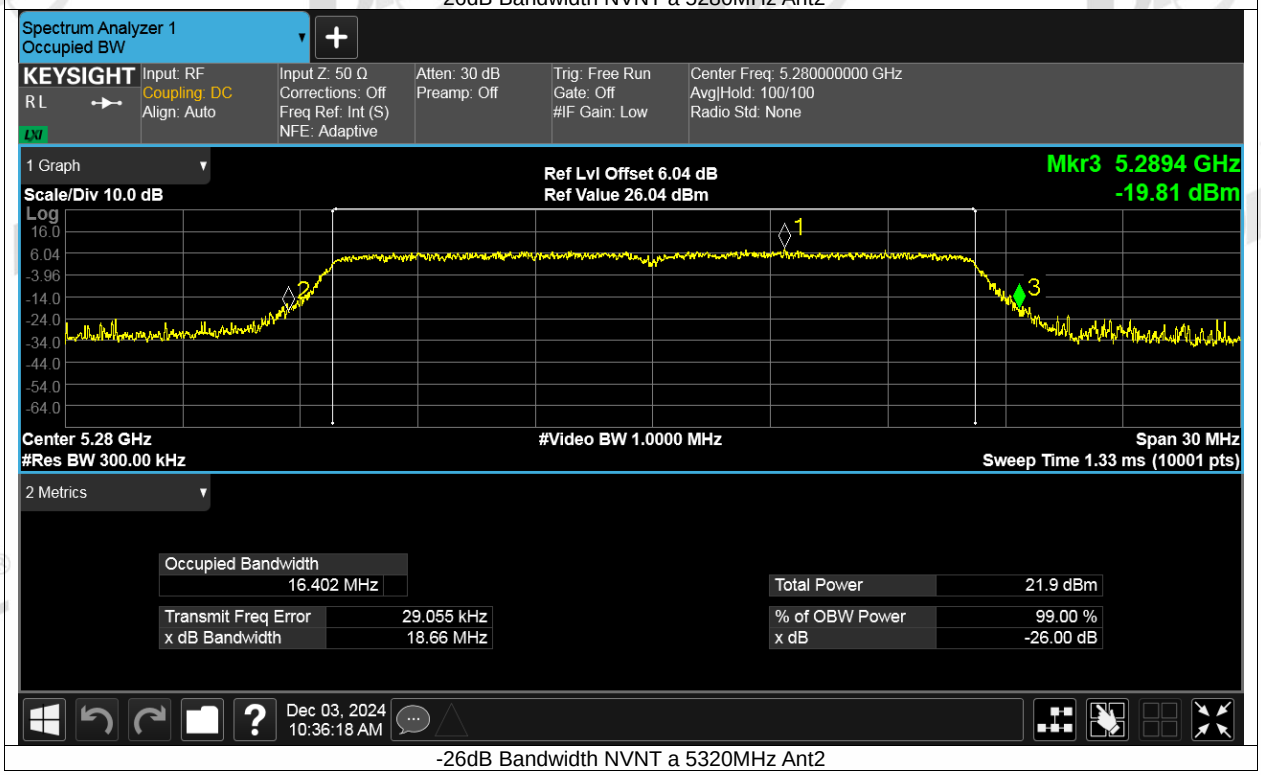
-26dB Bandwidth NVNT a 5240MHz Ant2



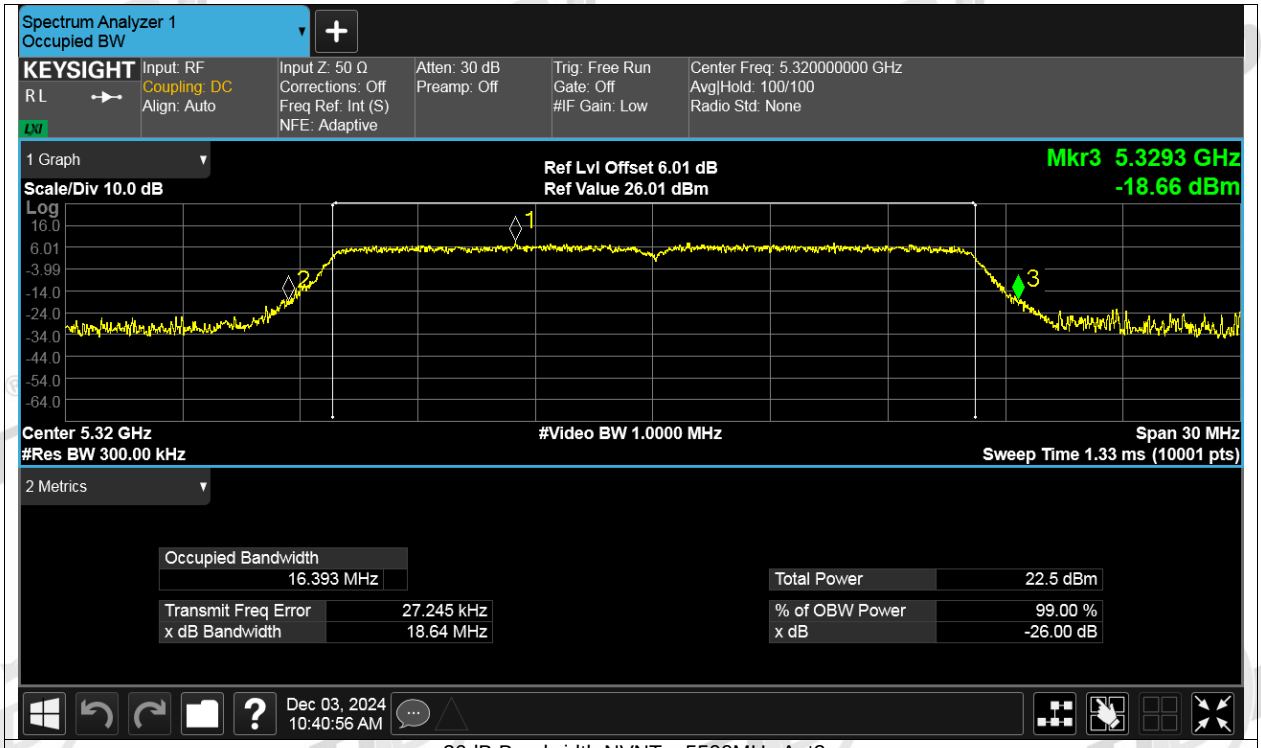
-26dB Bandwidth NVNT a 5260MHz Ant2



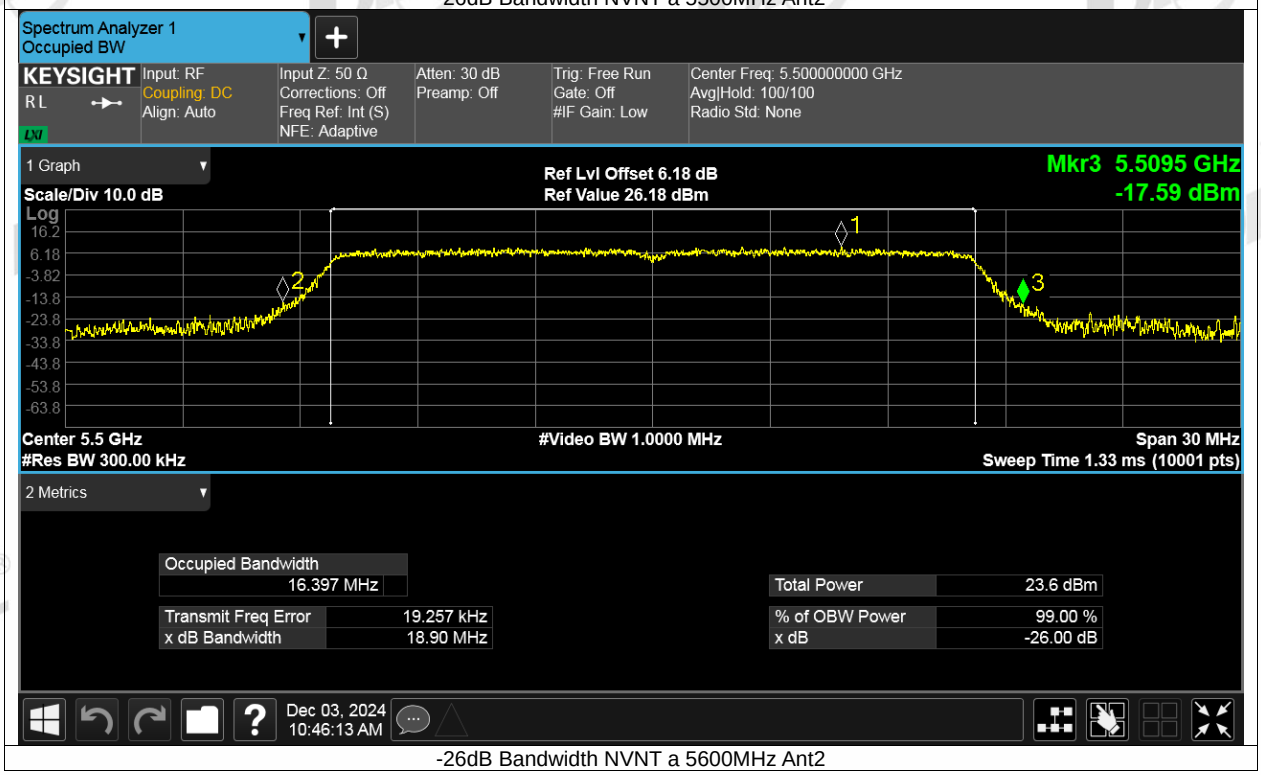
-26dB Bandwidth NVNT a 5280MHz Ant2



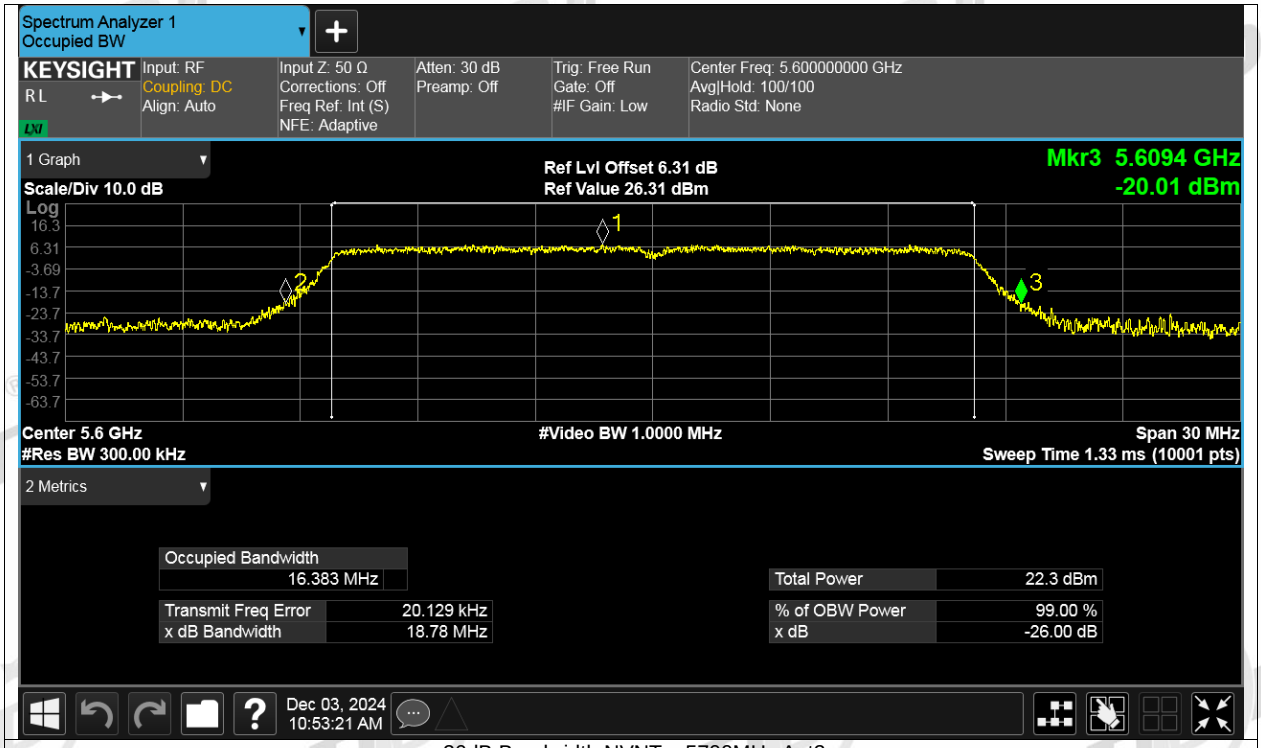
-26dB Bandwidth NVNT a 5320MHz Ant2



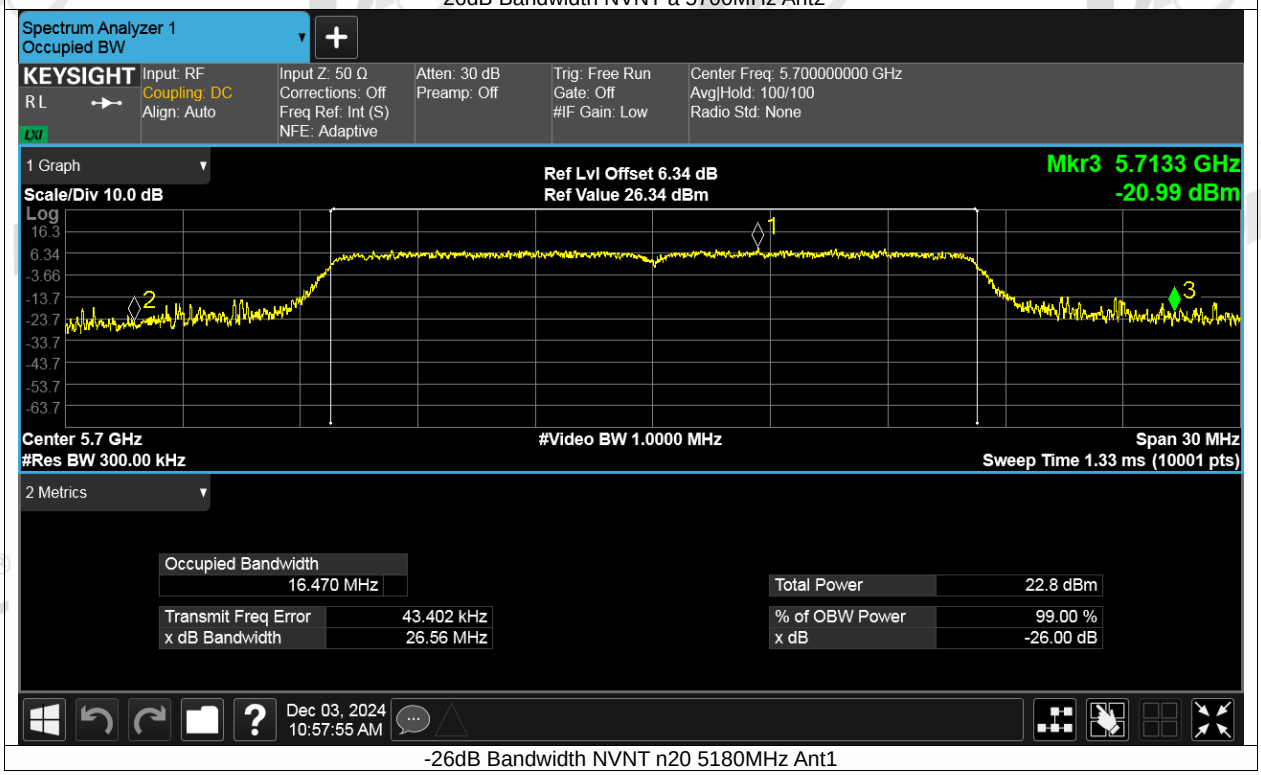
-26dB Bandwidth NVNT a 5500MHz Ant2



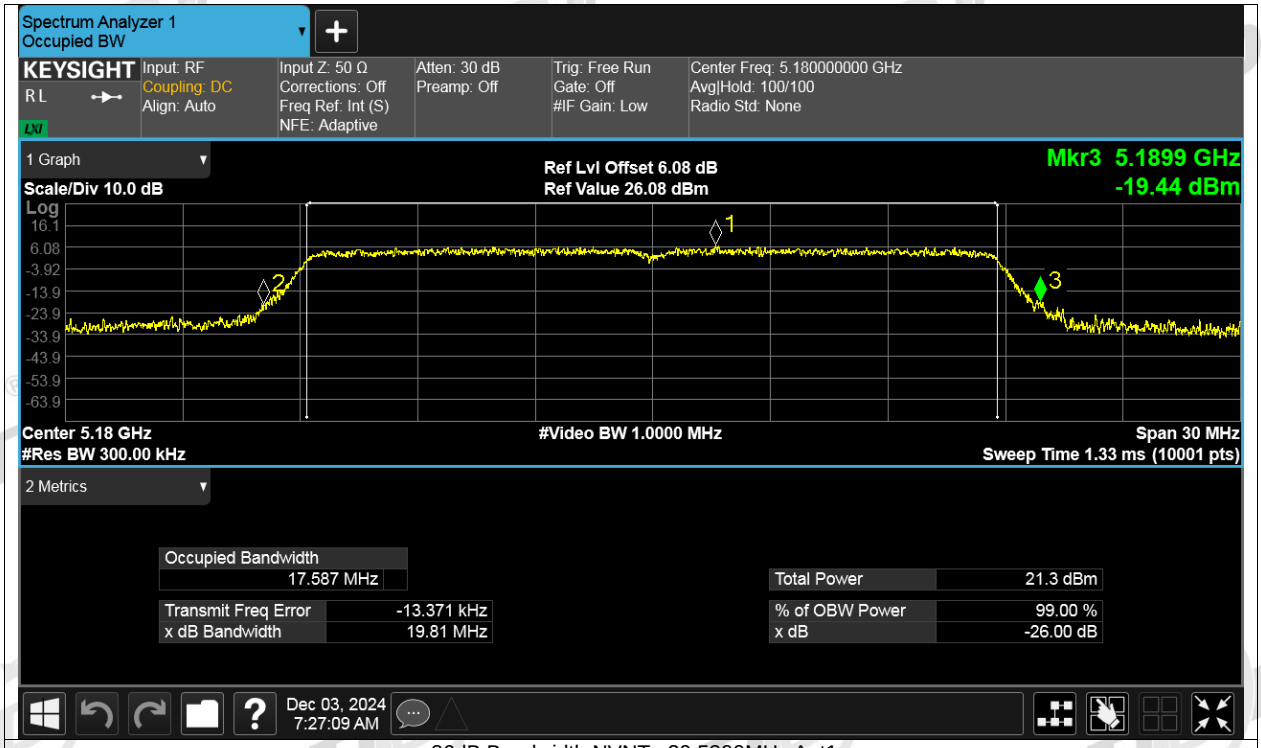
-26dB Bandwidth NVNT a 5600MHz Ant2



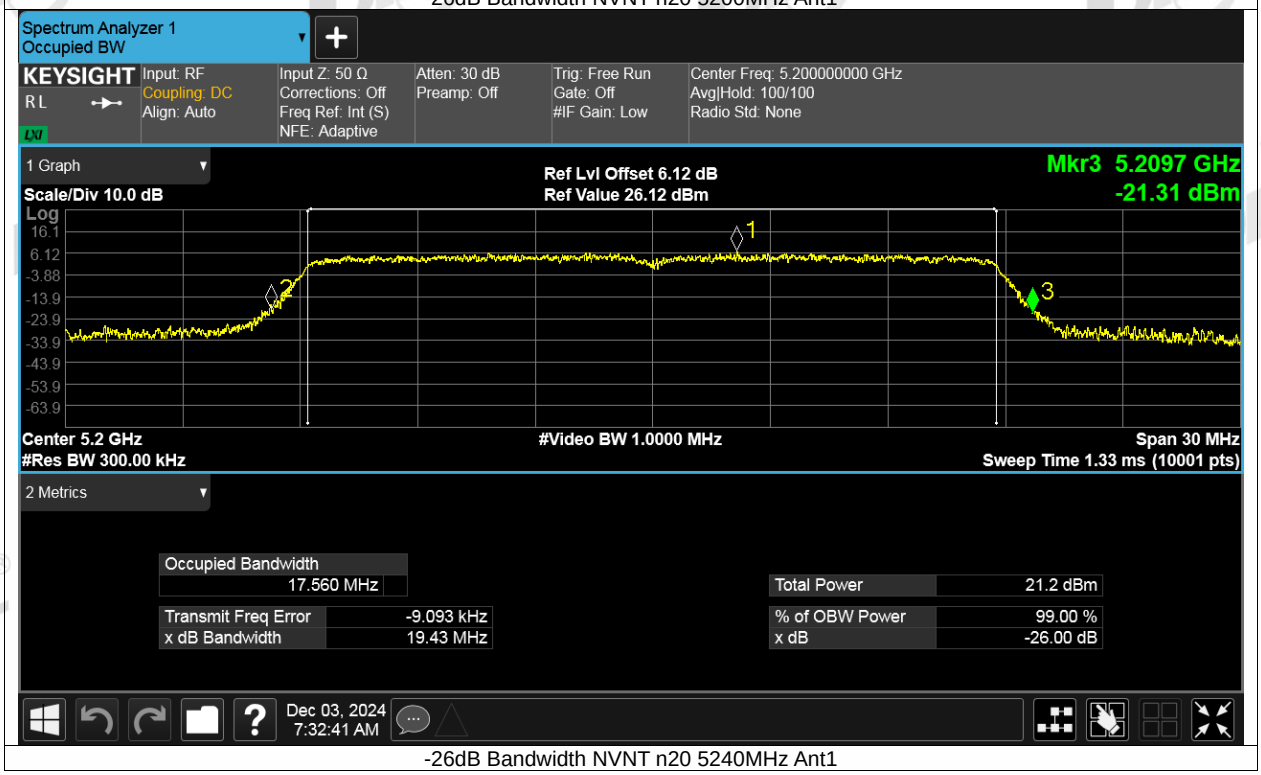
-26dB Bandwidth NVNT a 5700MHz Ant2



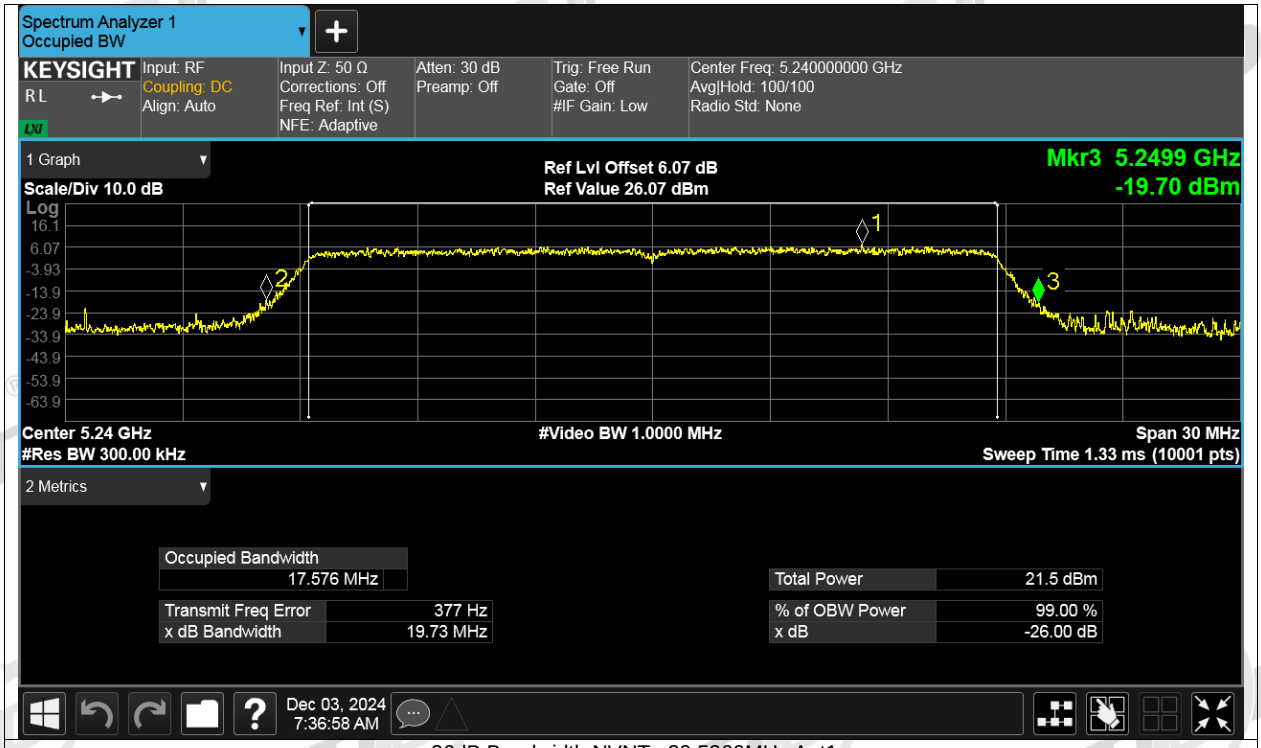
-26dB Bandwidth NVNT n20 5180MHz Ant1



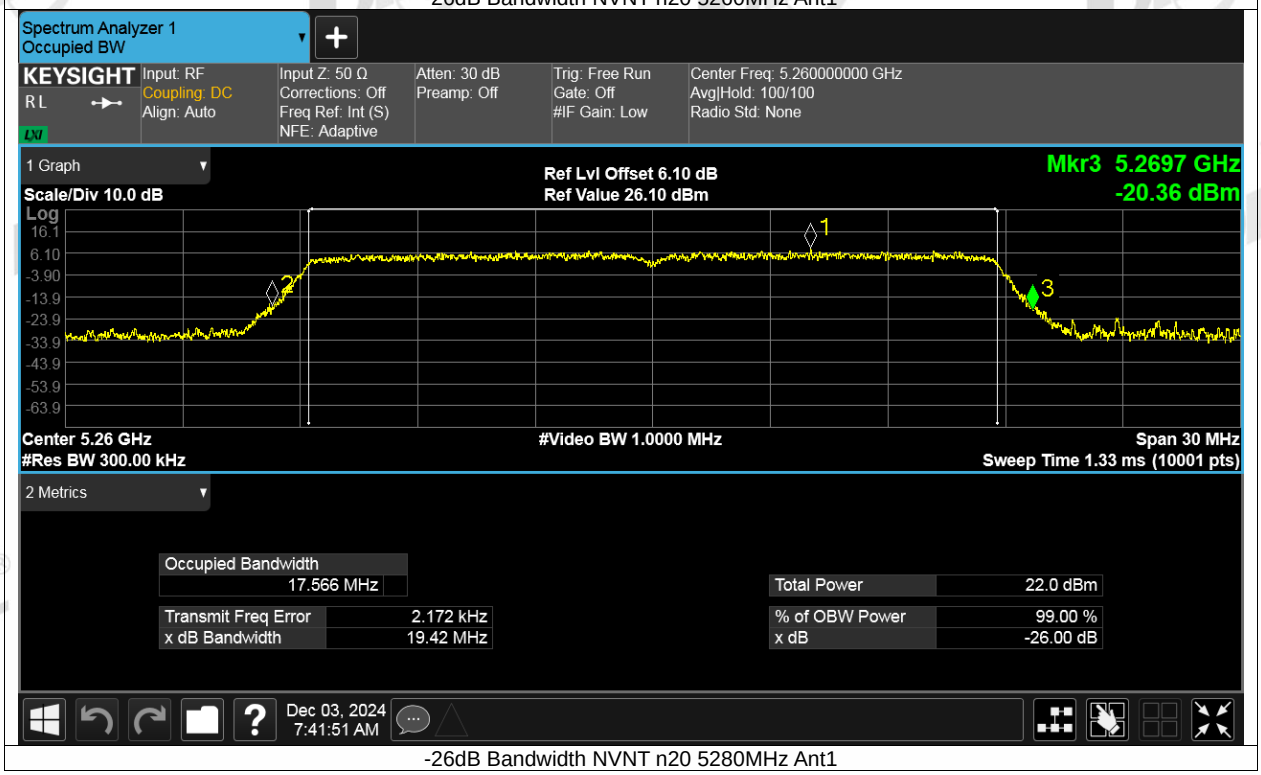
-26dB Bandwidth NVNT n20 5200MHz Ant1



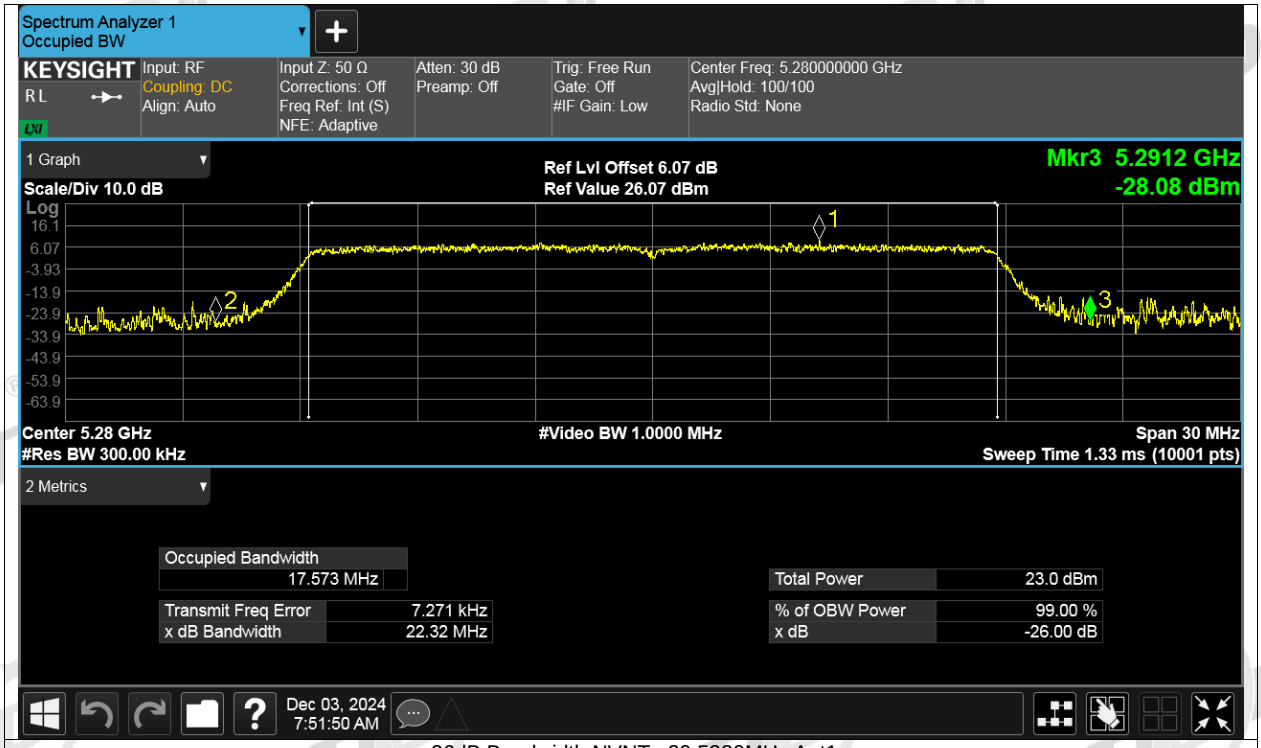
-26dB Bandwidth NVNT n20 5240MHz Ant1



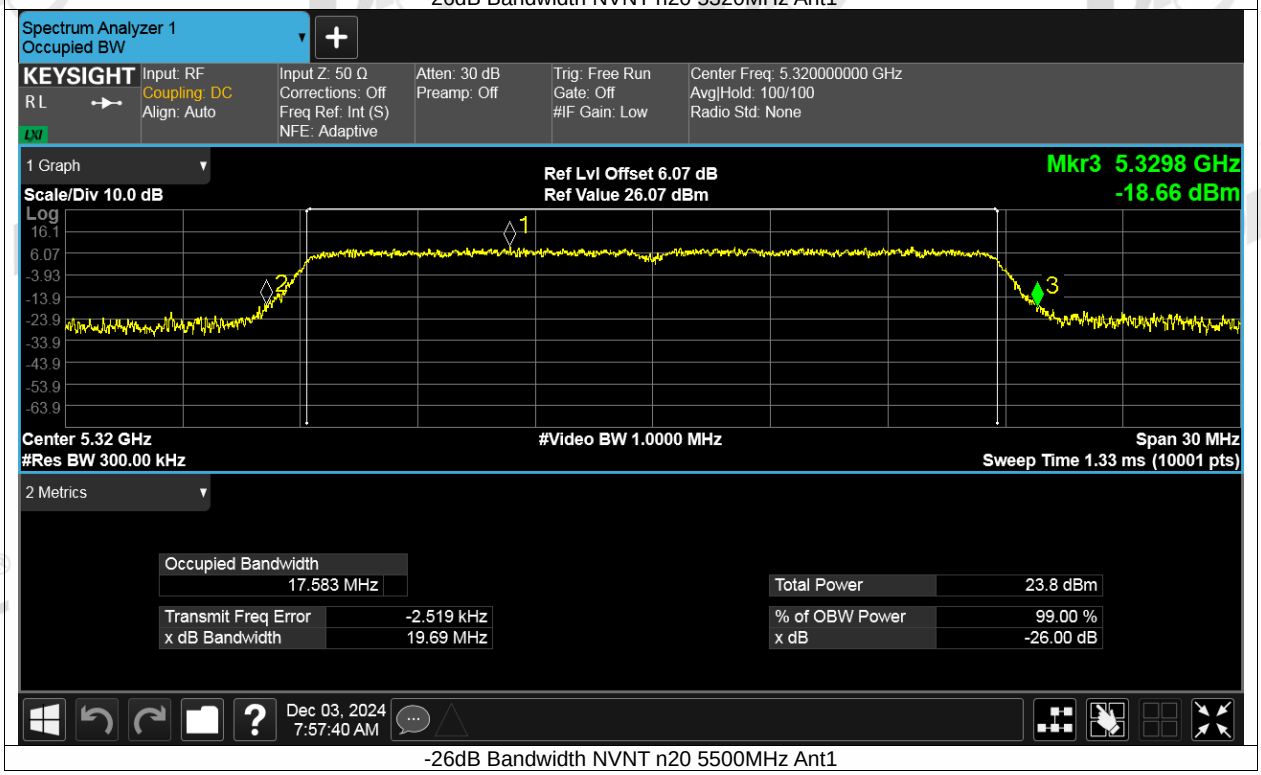
-26dB Bandwidth NVNT n20 5260MHz Ant1



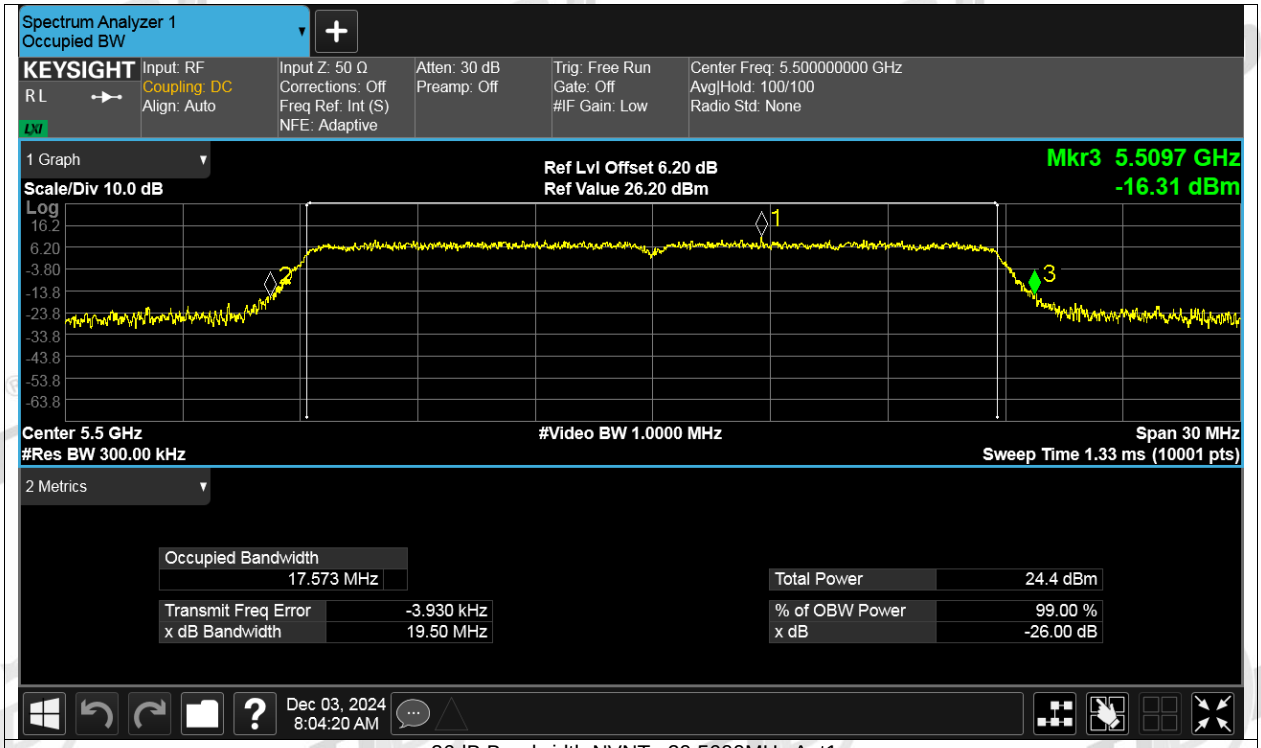
-26dB Bandwidth NVNT n20 5280MHz Ant1



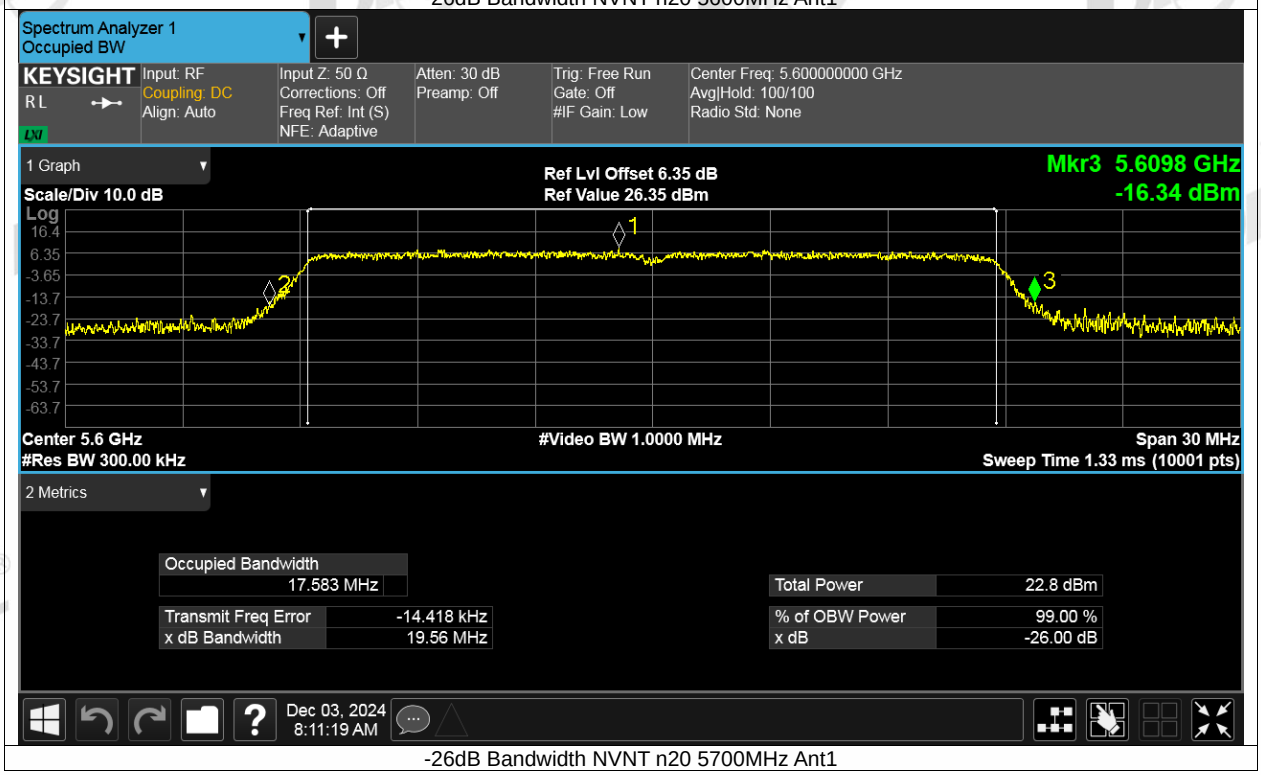
-26dB Bandwidth NVNT n20 5320MHz Ant1



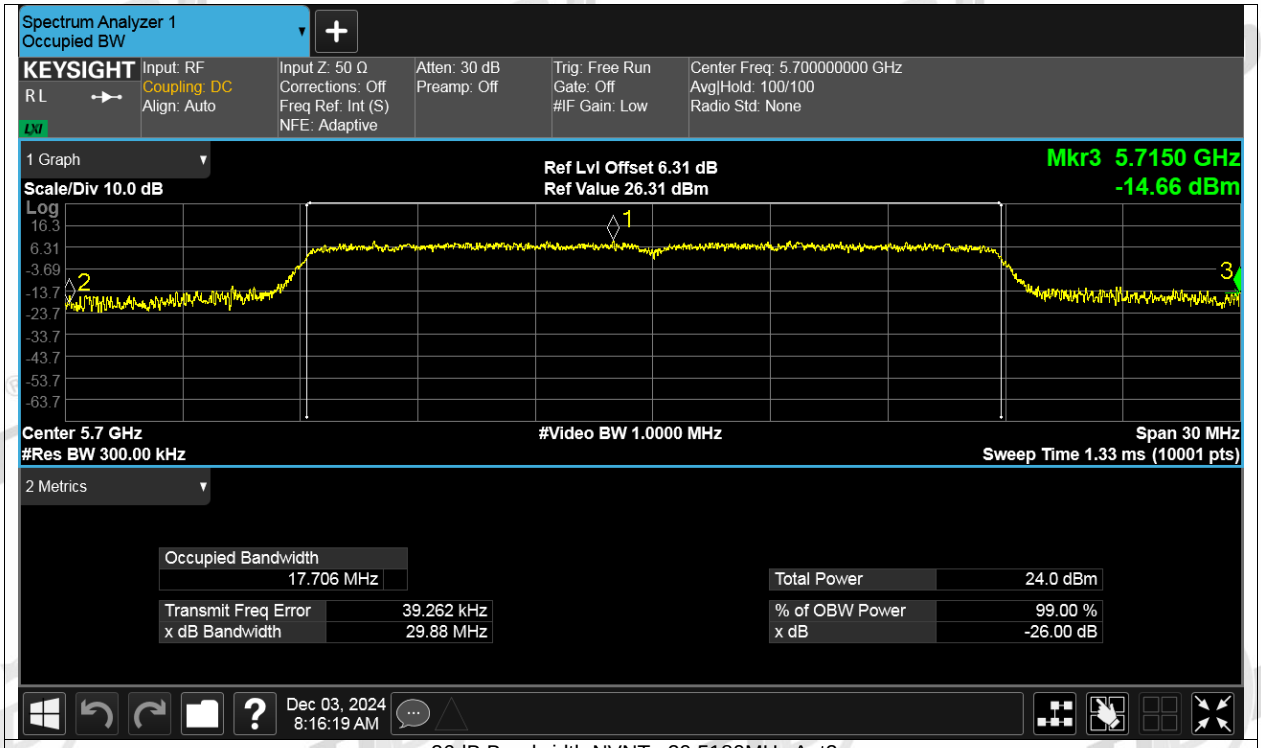
-26dB Bandwidth NVNT n20 5500MHz Ant1



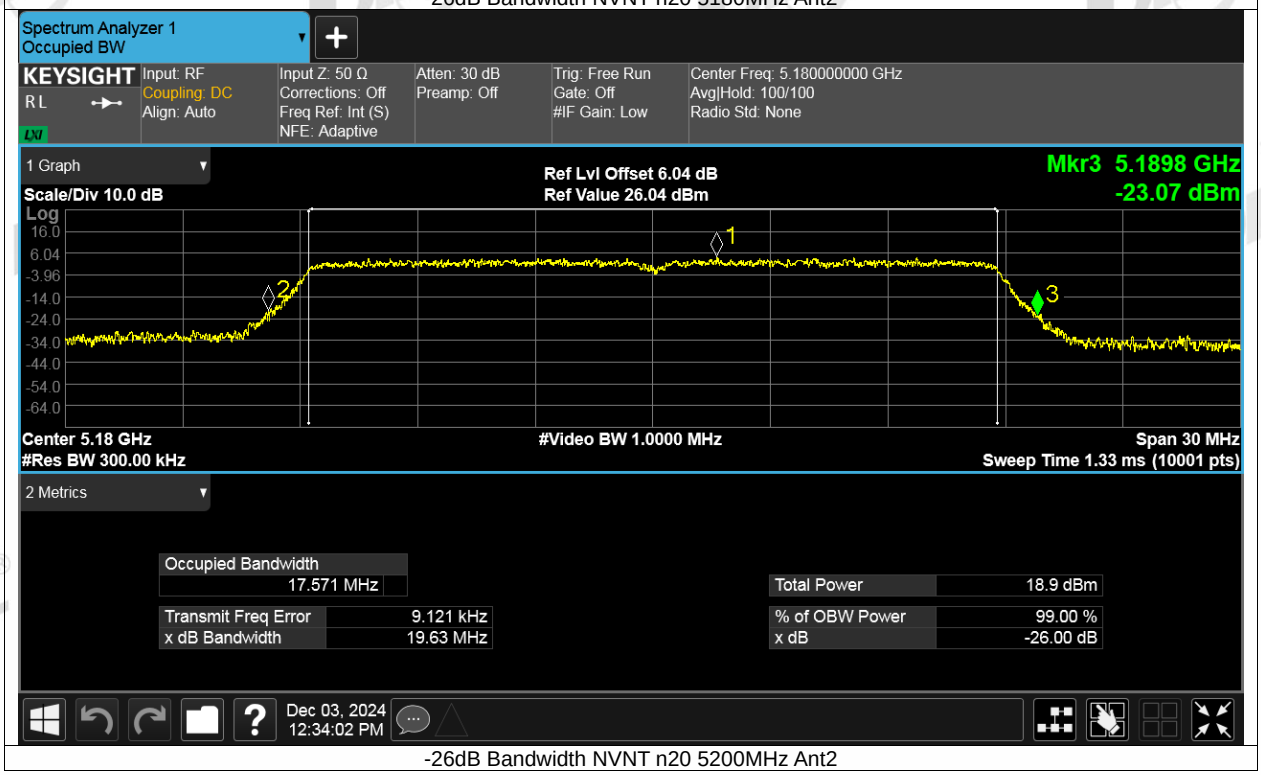
-26dB Bandwidth NVNT n20 5600MHz Ant1



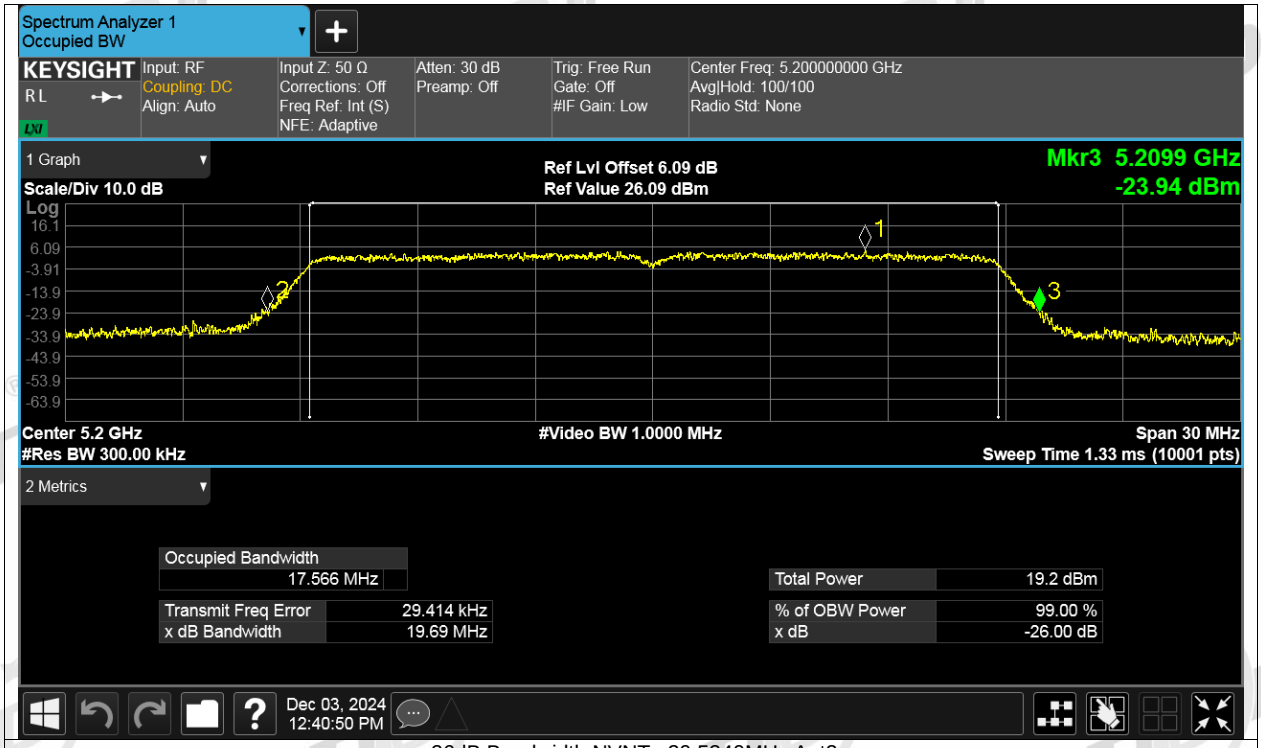
-26dB Bandwidth NVNT n20 5700MHz Ant1



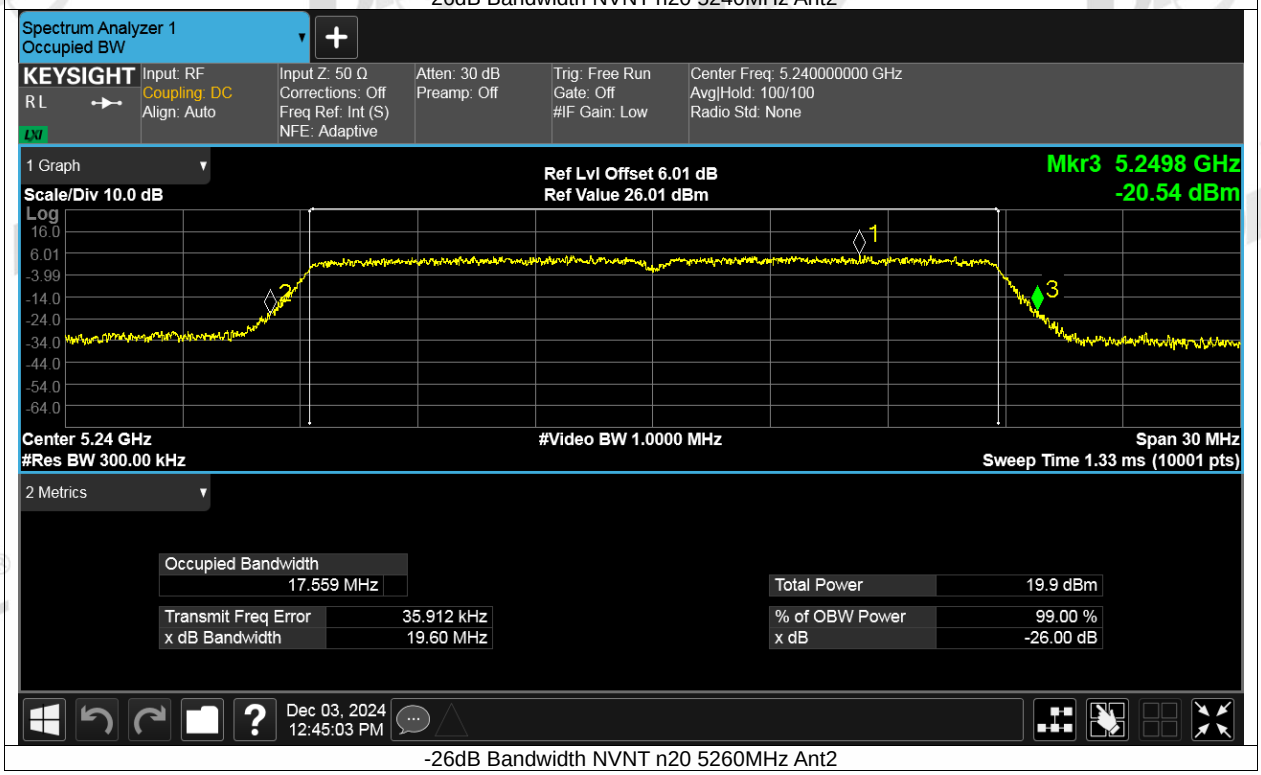
-26dB Bandwidth NVNT n20 5180MHz Ant2



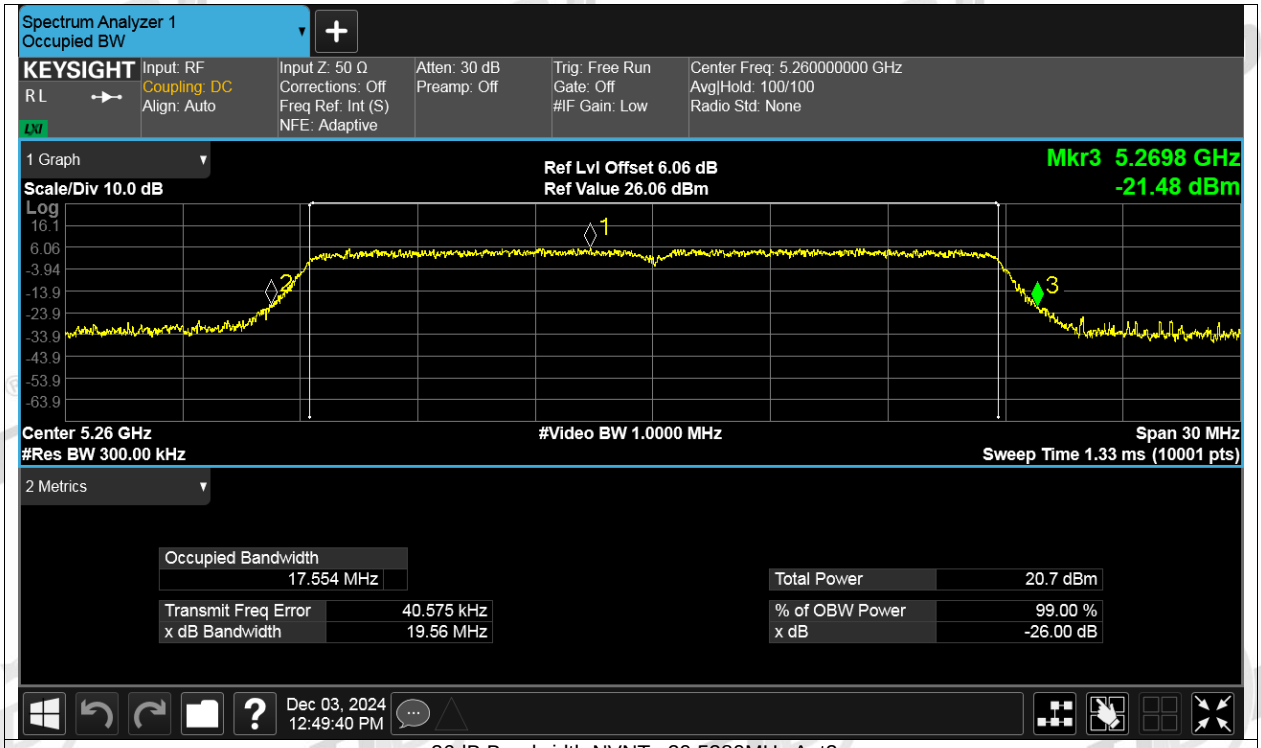
-26dB Bandwidth NVNT n20 5200MHz Ant2



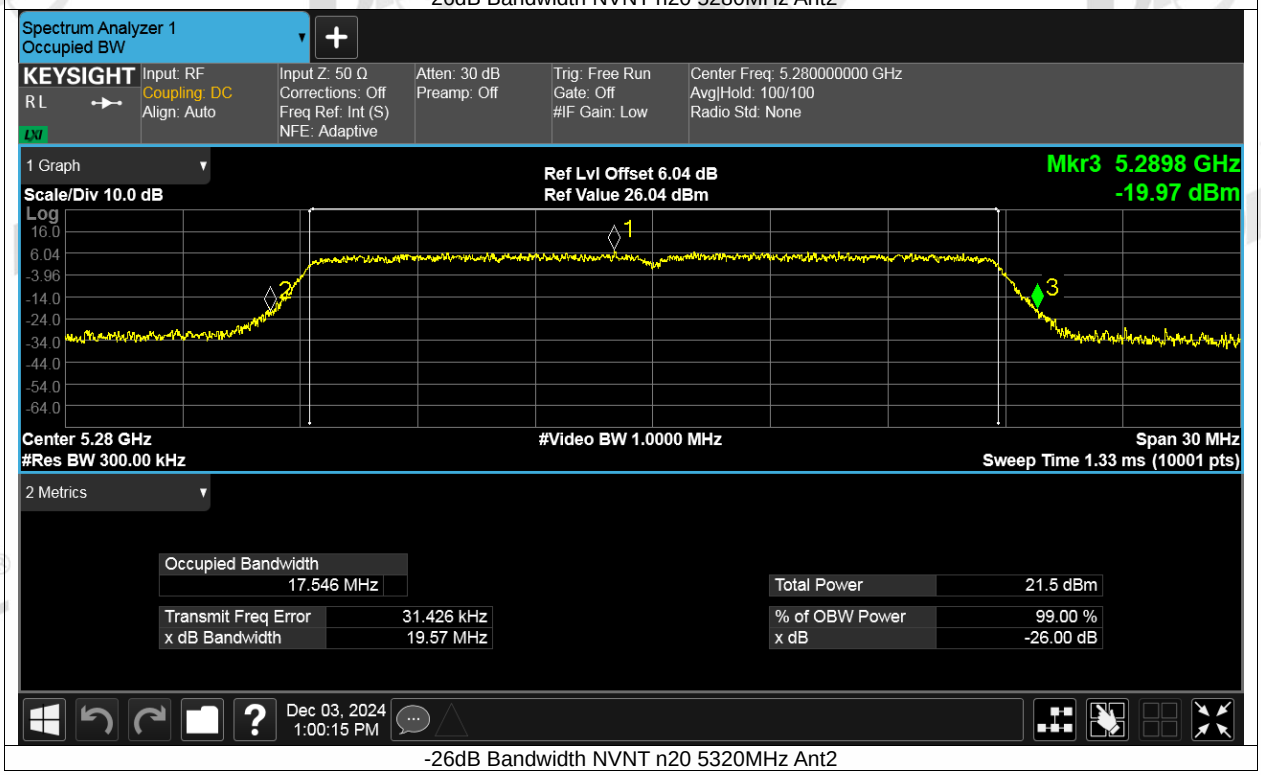
-26dB Bandwidth NVNT n20 5240MHz Ant2



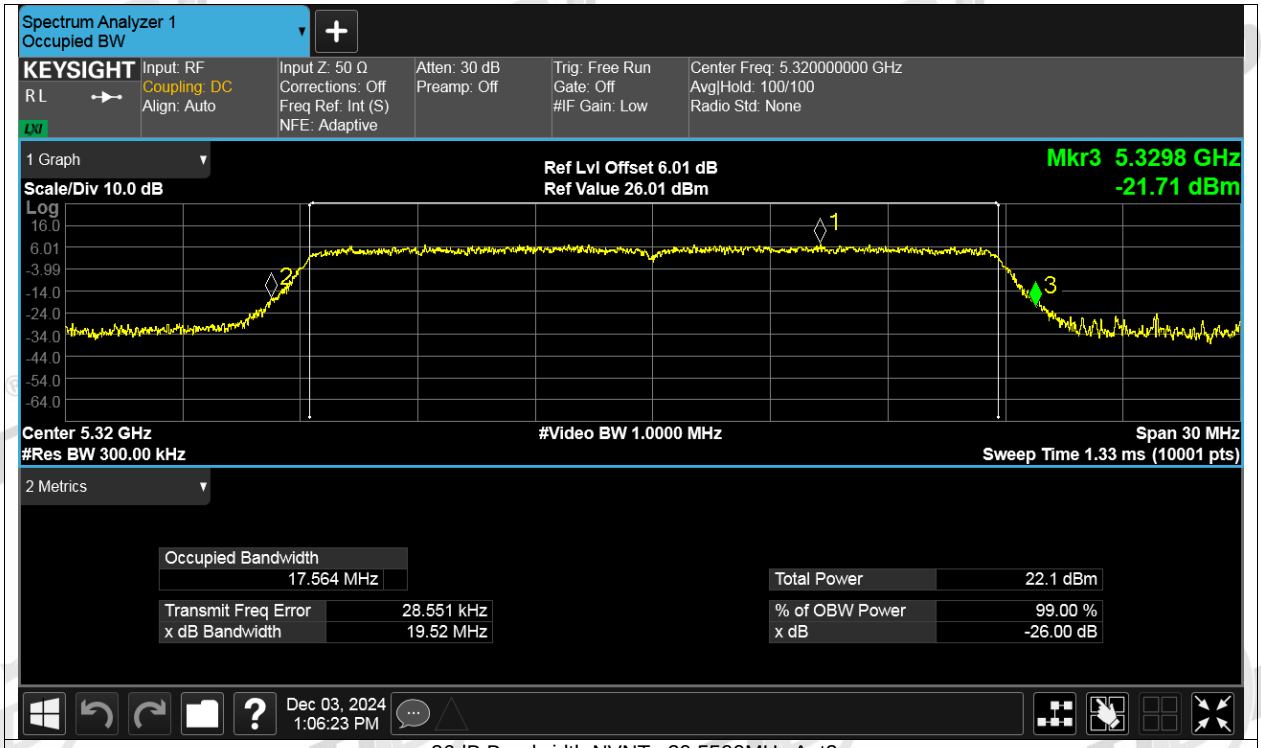
-26dB Bandwidth NVNT n20 5260MHz Ant2



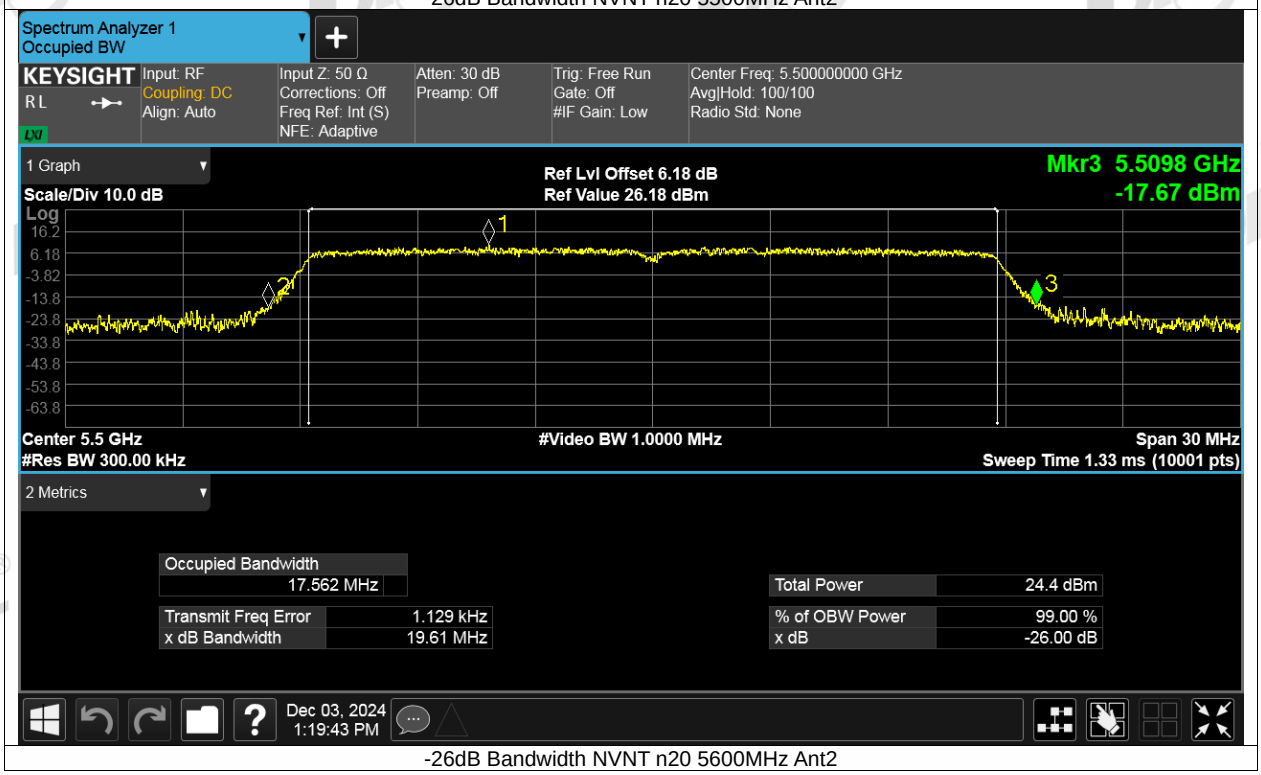
-26dB Bandwidth NVNT n20 5280MHz Ant2



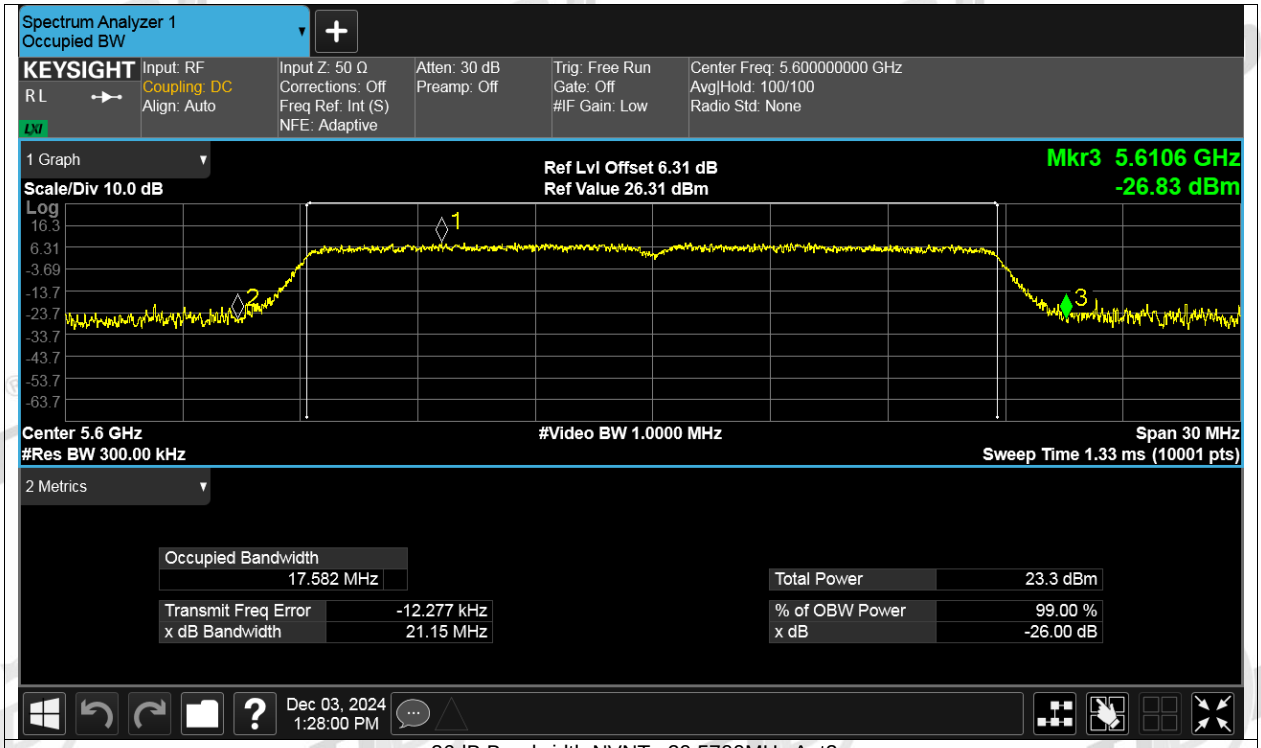
-26dB Bandwidth NVNT n20 5320MHz Ant2



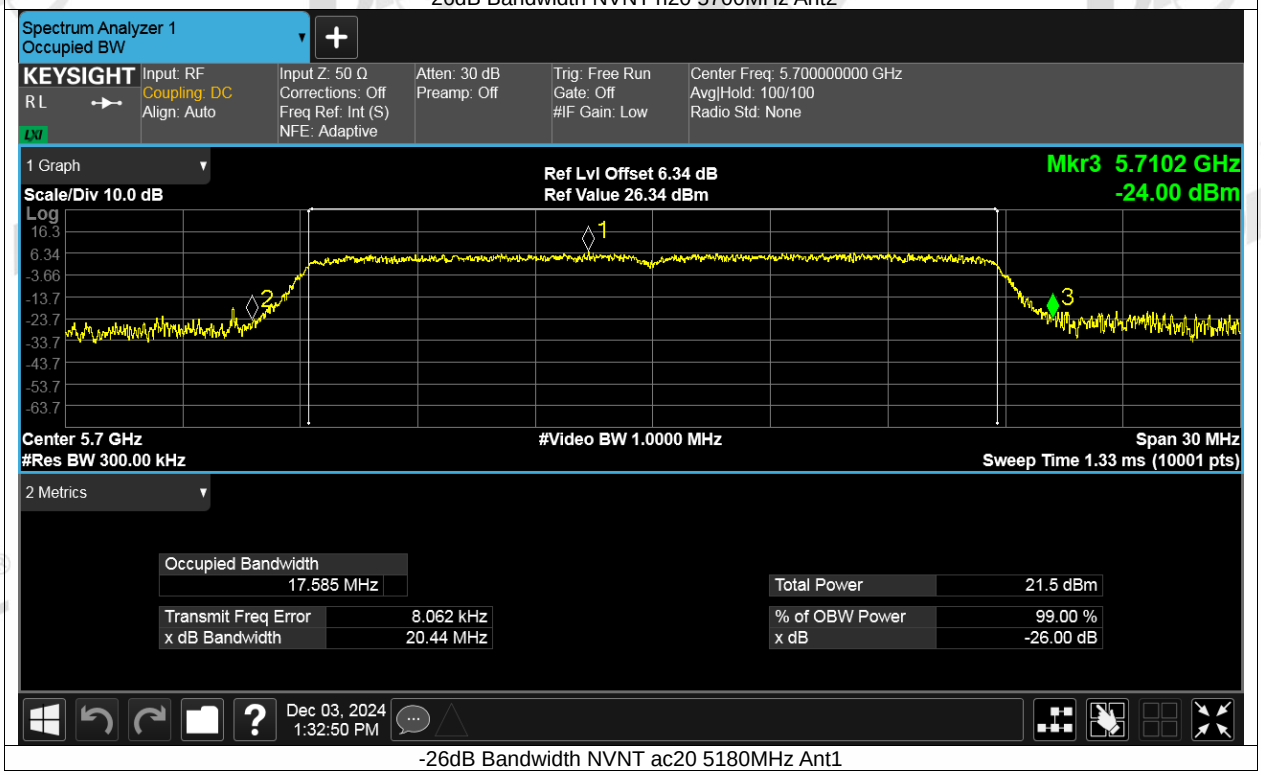
-26dB Bandwidth NVNT n20 5500MHz Ant2



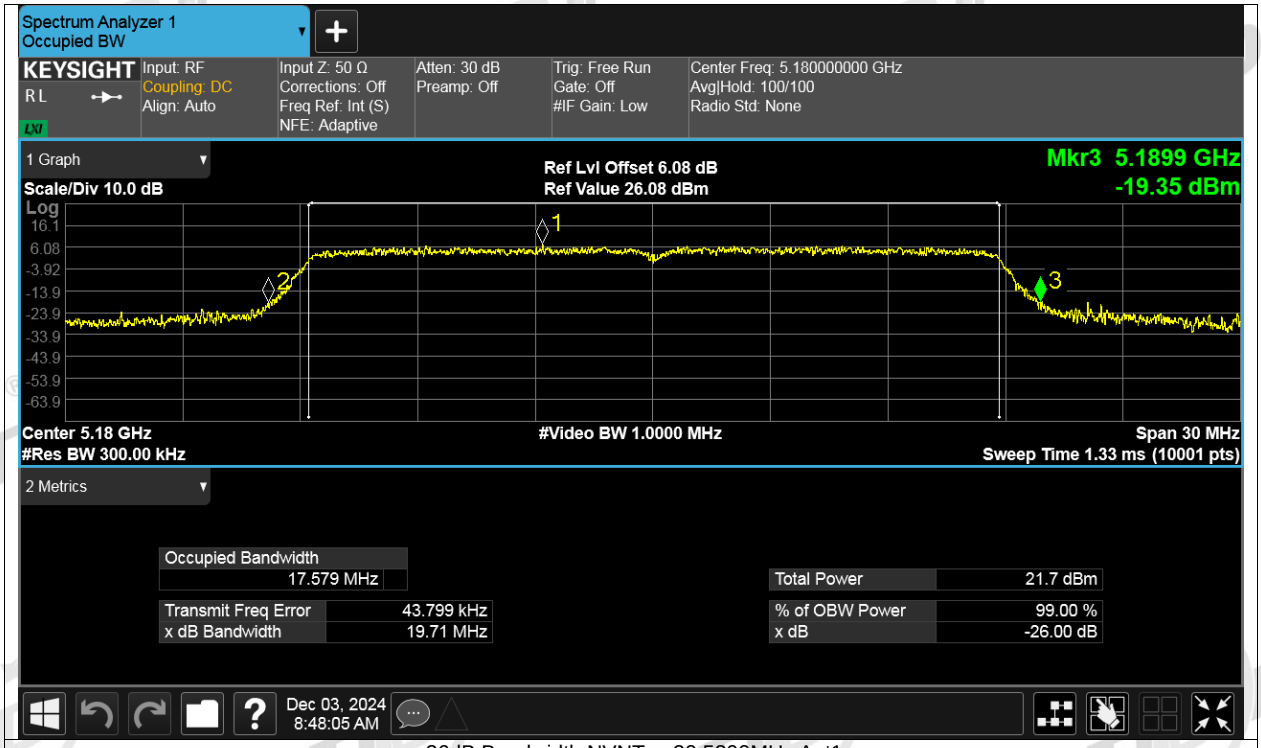
-26dB Bandwidth NVNT n20 5600MHz Ant2



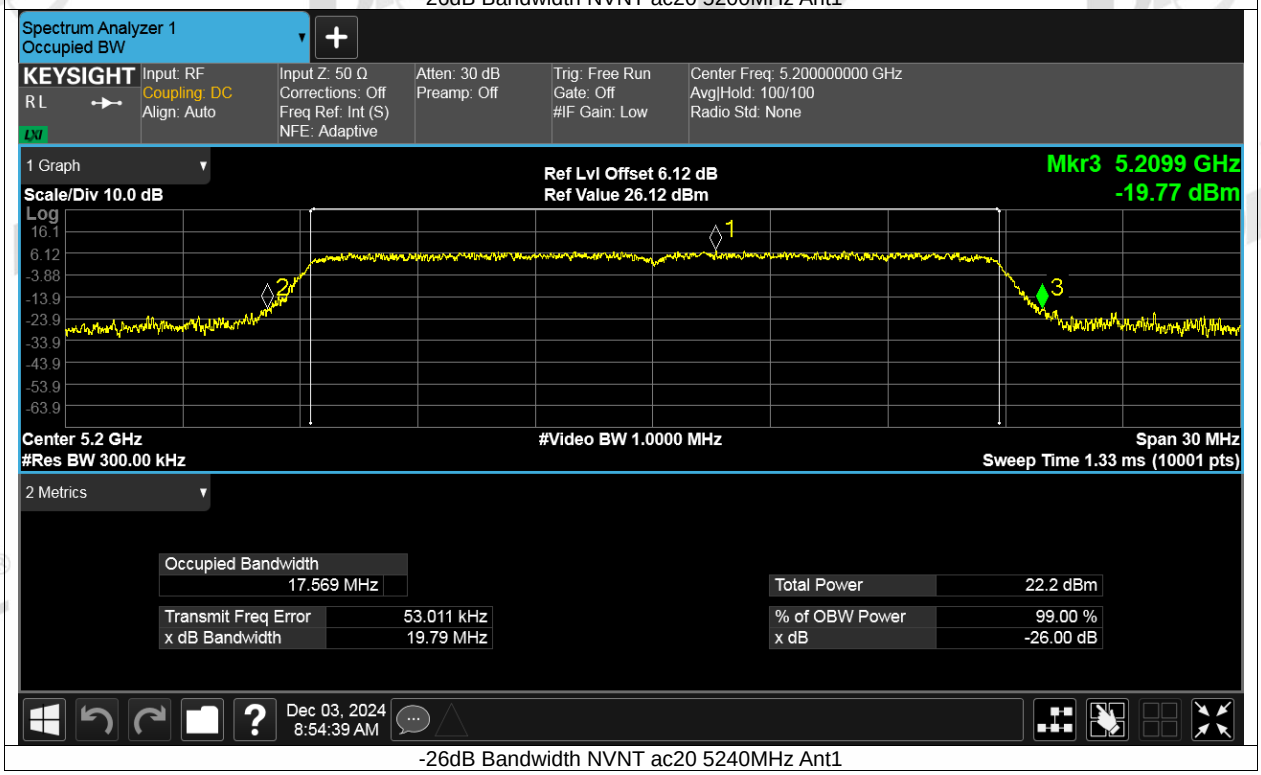
-26dB Bandwidth NVNT n20 5700MHz Ant2



-26dB Bandwidth NVNT ac20 5180MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant1



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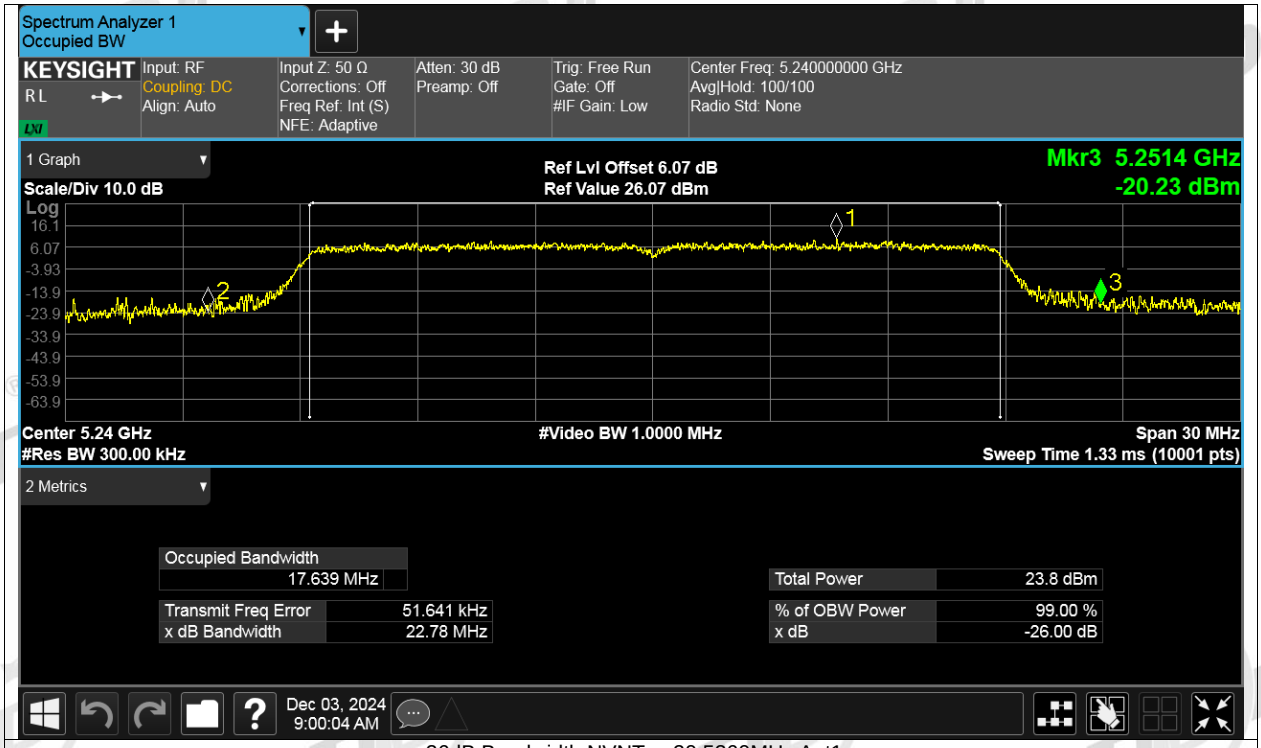
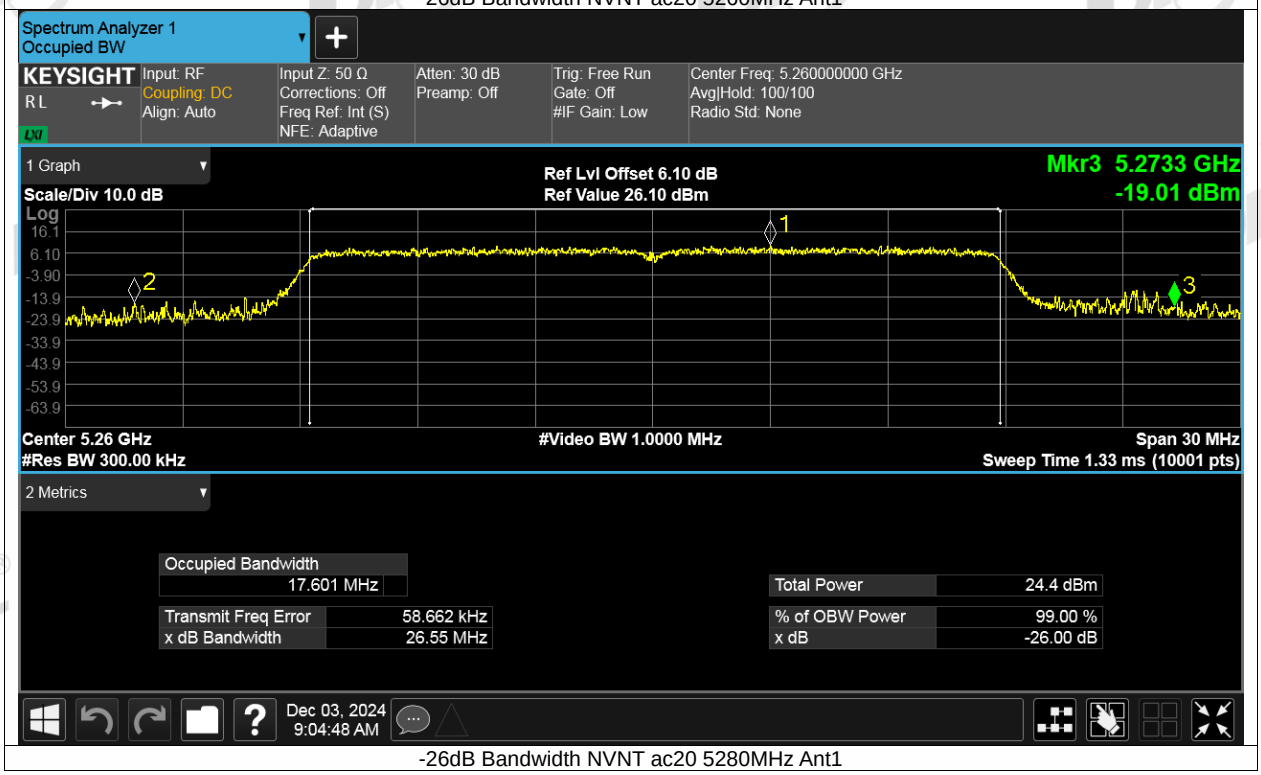
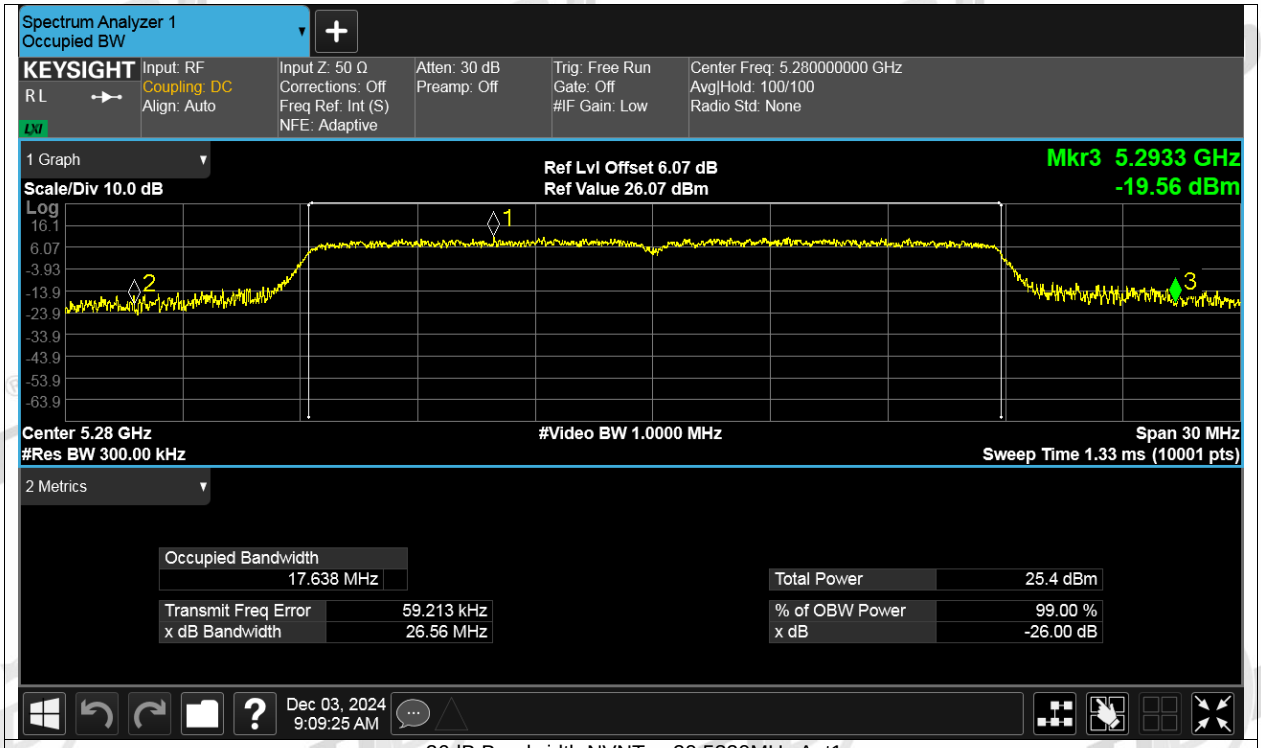


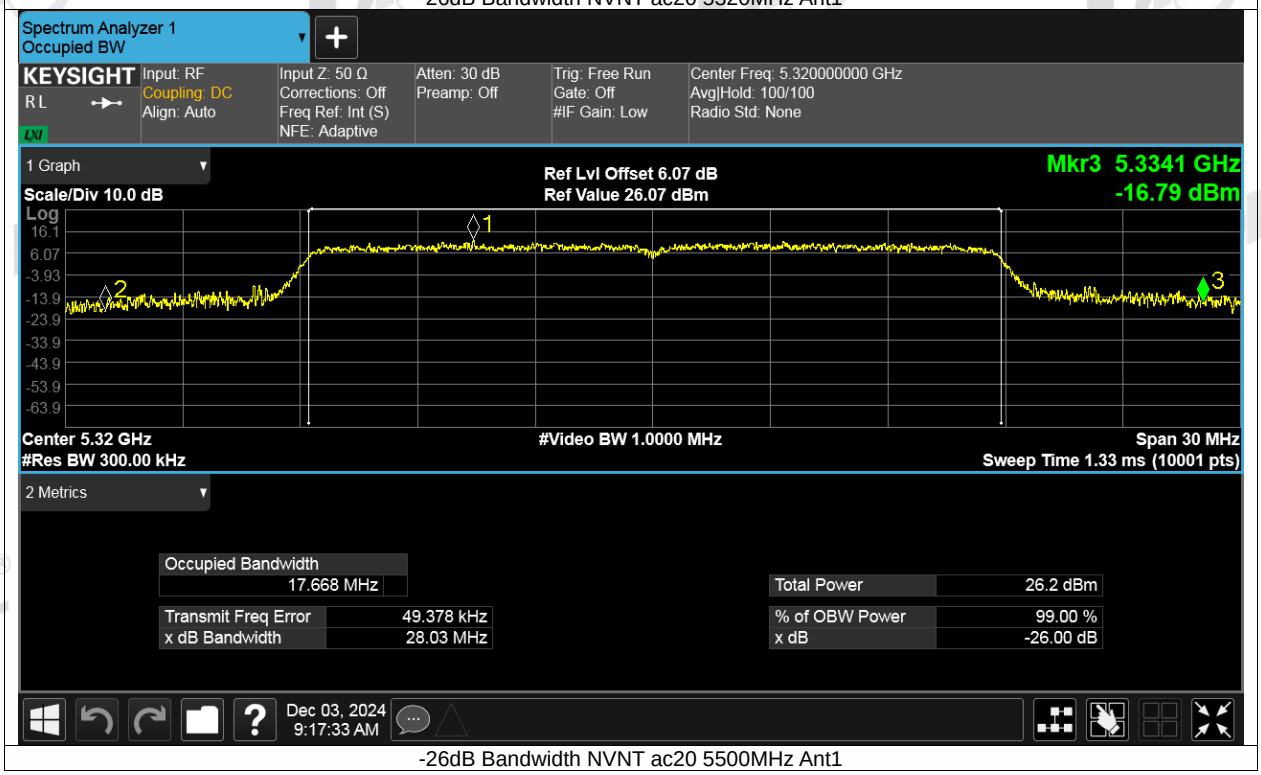
-26dB Bandwidth NVNT ac20 5260MHz Ant1



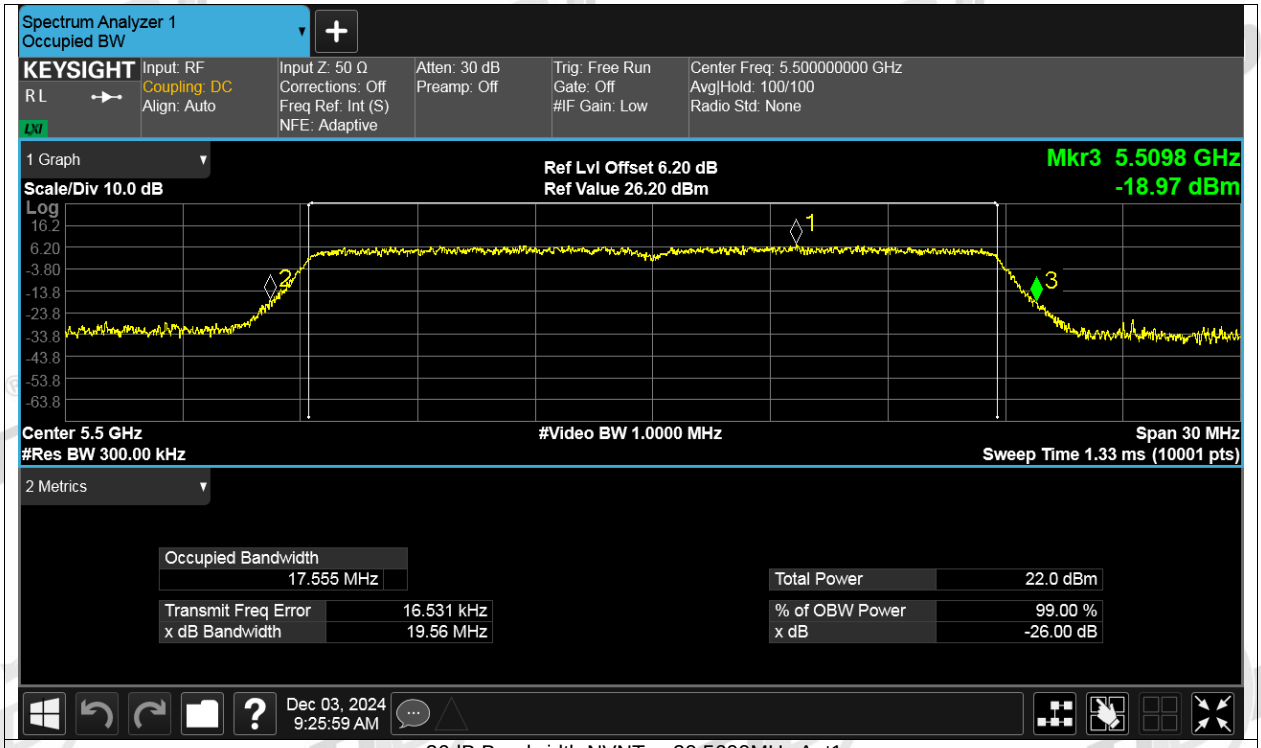
-26dB Bandwidth NVNT ac20 5280MHz Ant1



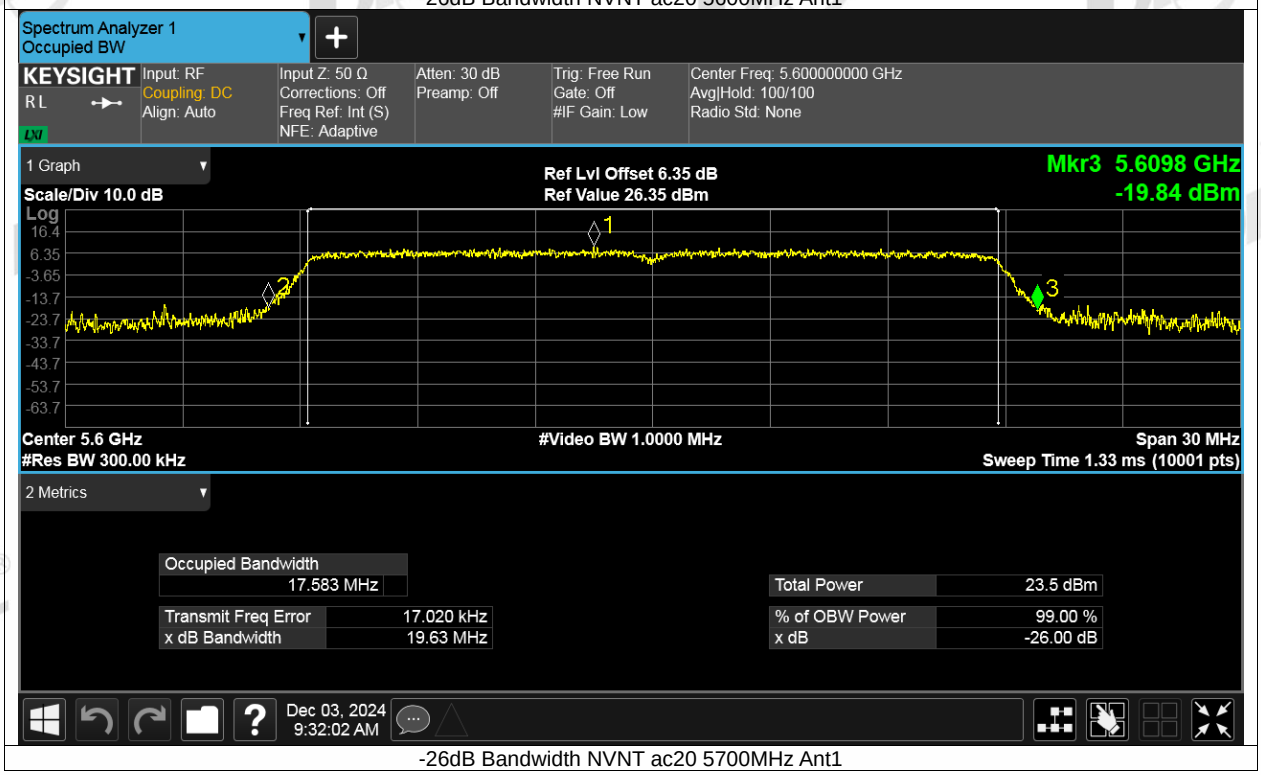
-26dB Bandwidth NVNT ac20 5320MHz Ant1



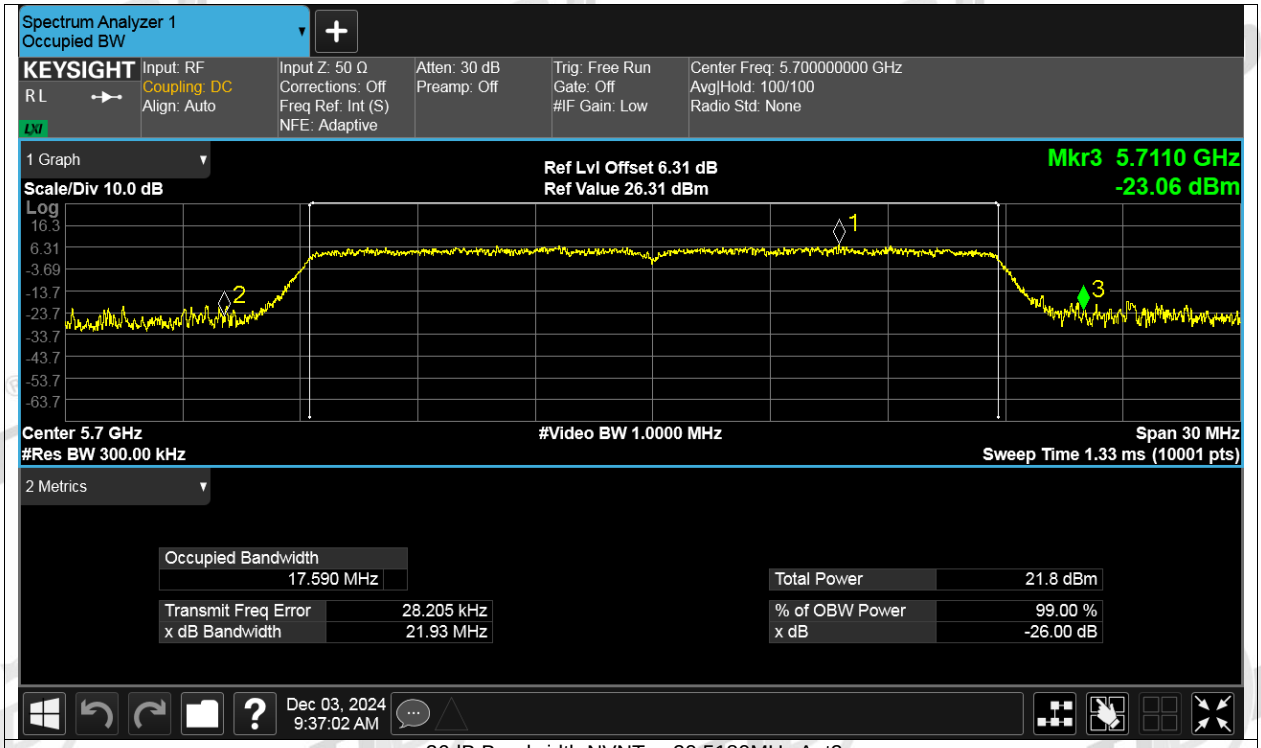
-26dB Bandwidth NVNT ac20 5500MHz Ant1



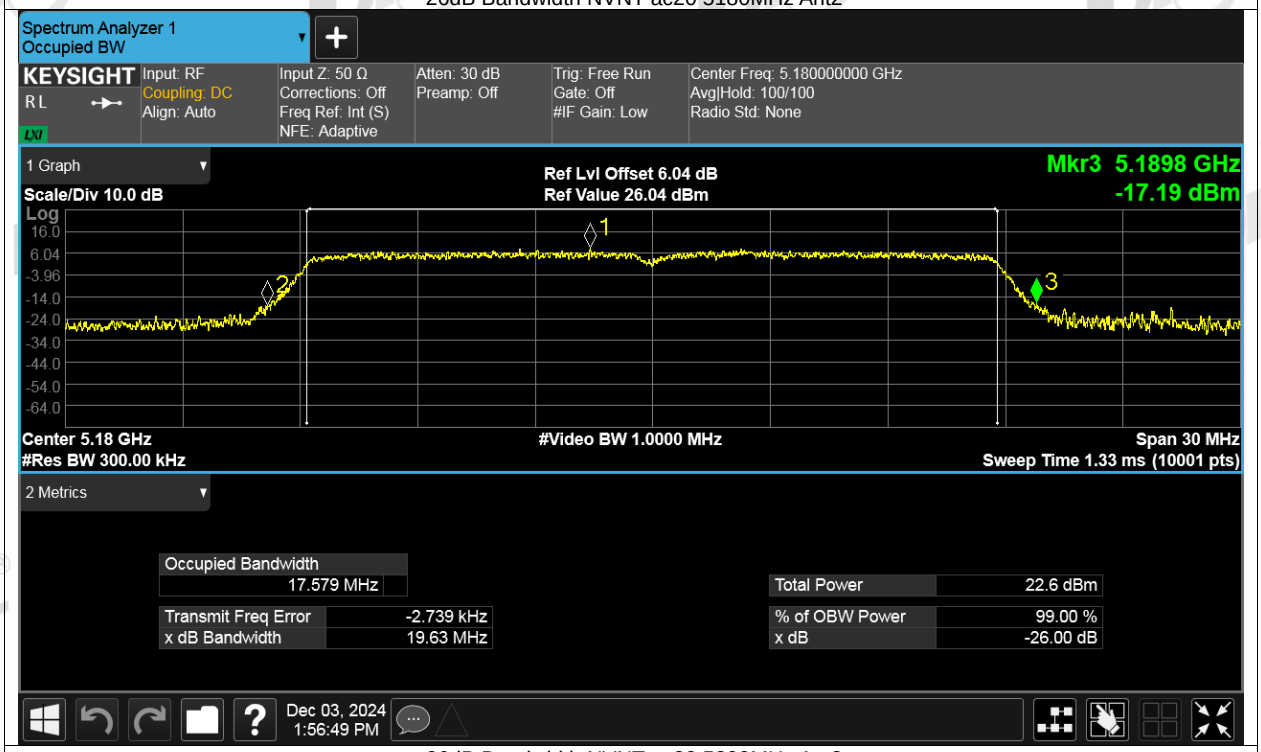
-26dB Bandwidth NVNT ac20 5600MHz Ant1



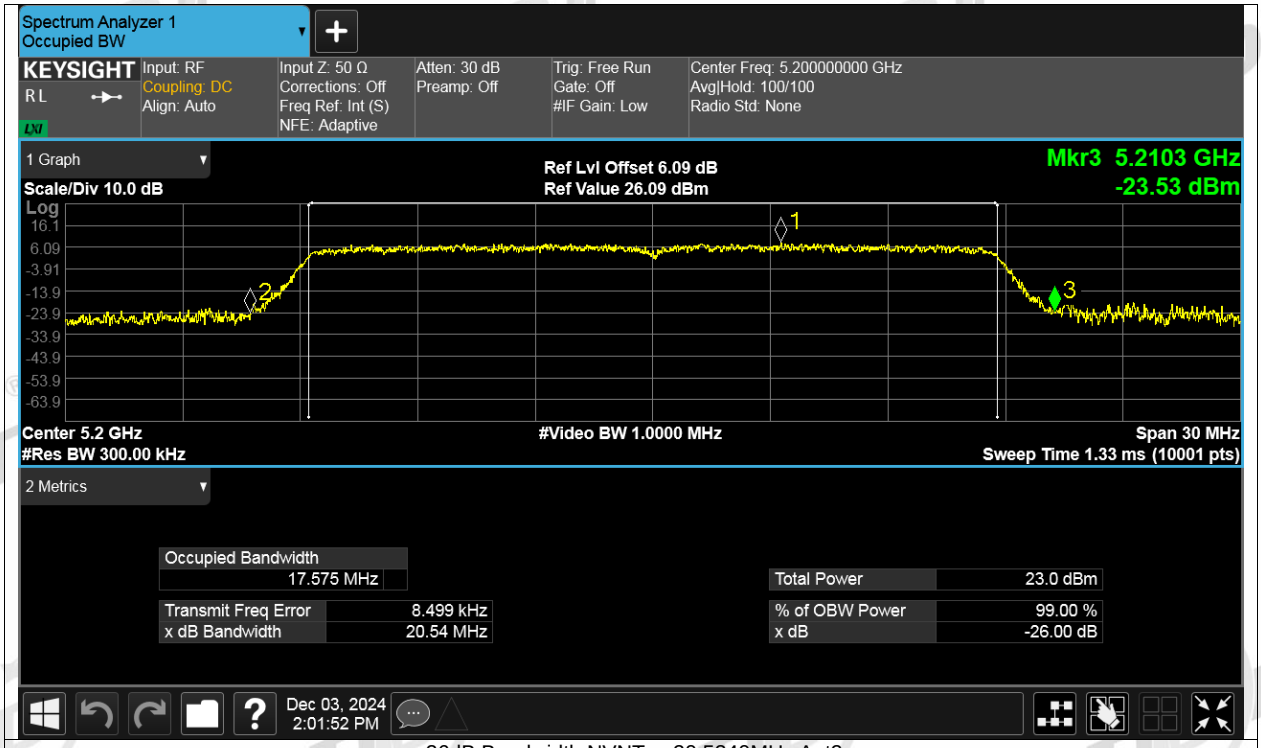
-26dB Bandwidth NVNT ac20 5700MHz Ant1



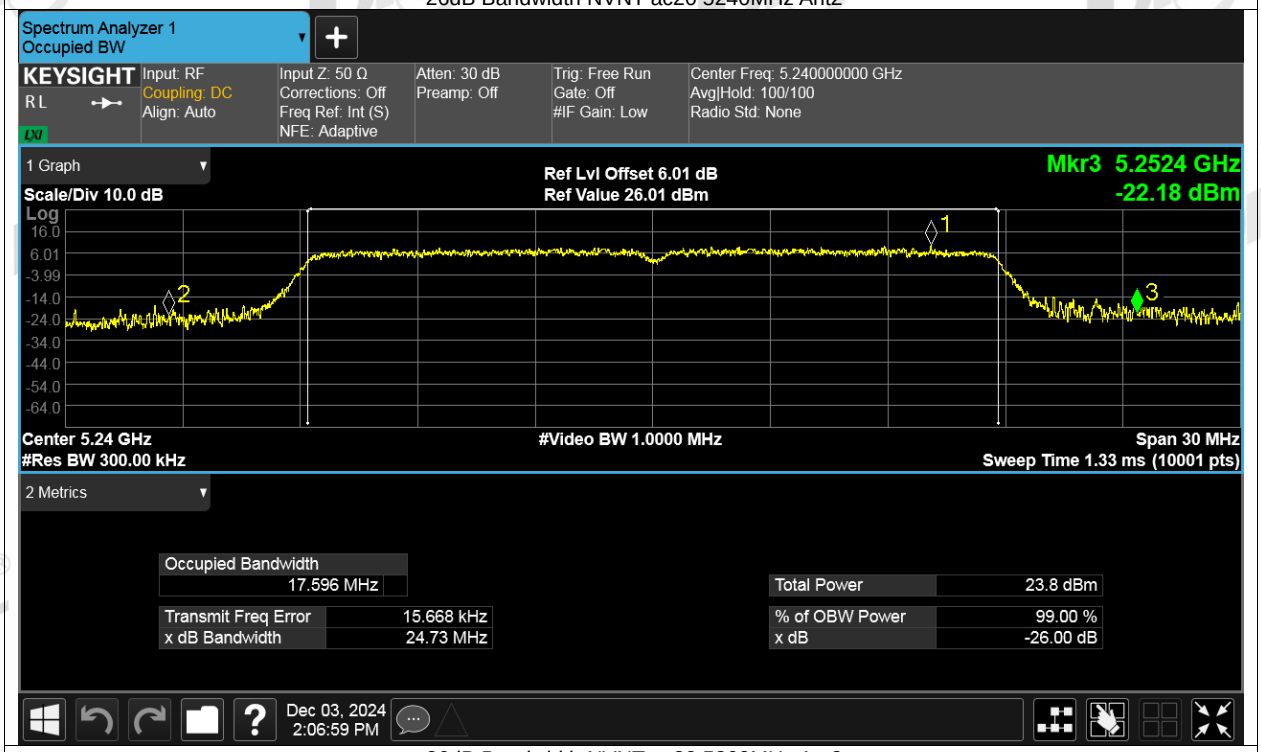
-26dB Bandwidth NVNT ac20 5180MHz Ant2



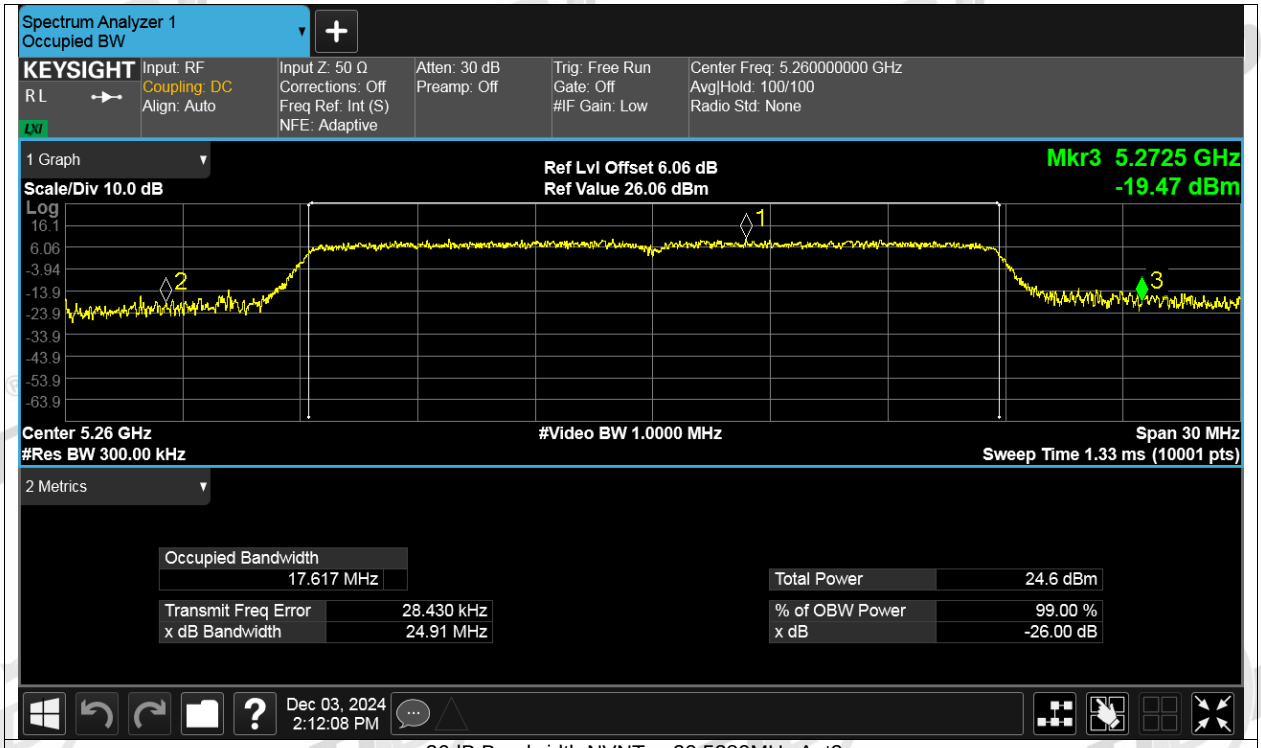
-26dB Bandwidth NVNT ac20 5200MHz Ant2



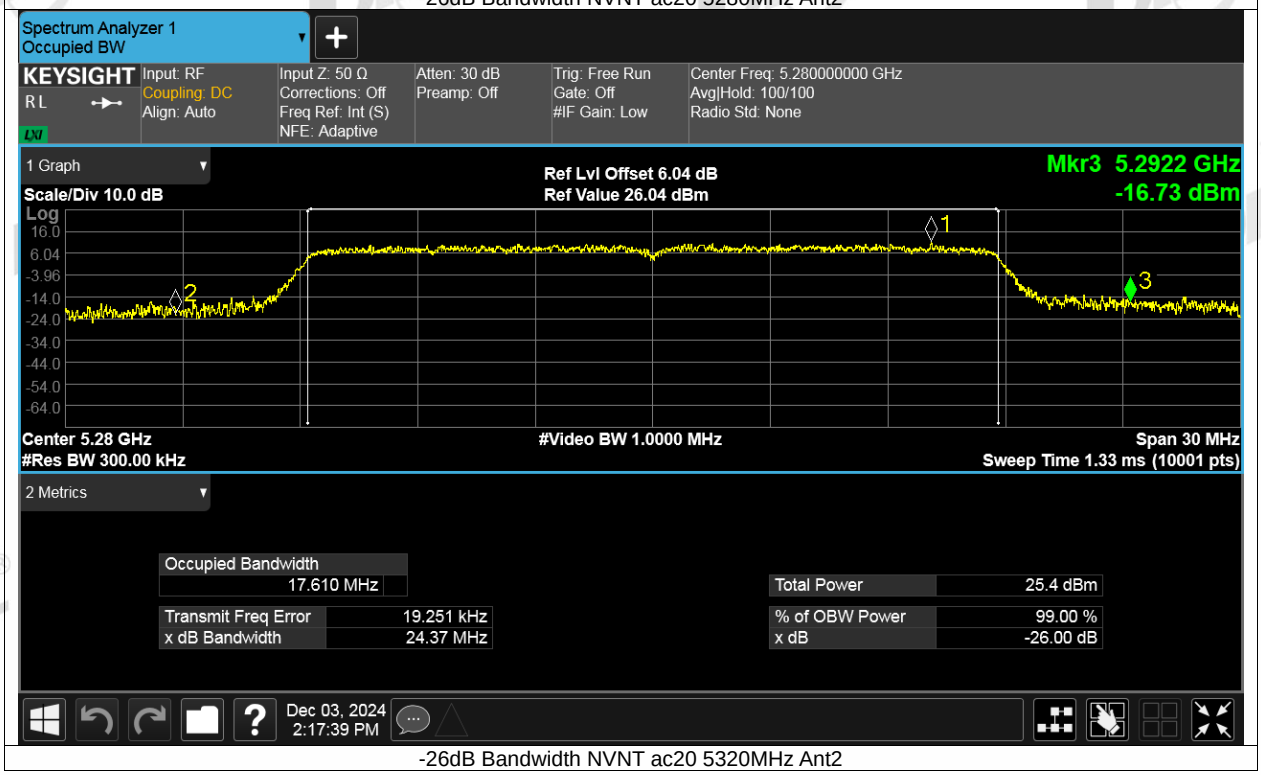
-26dB Bandwidth NVNT ac20 5240MHz Ant2



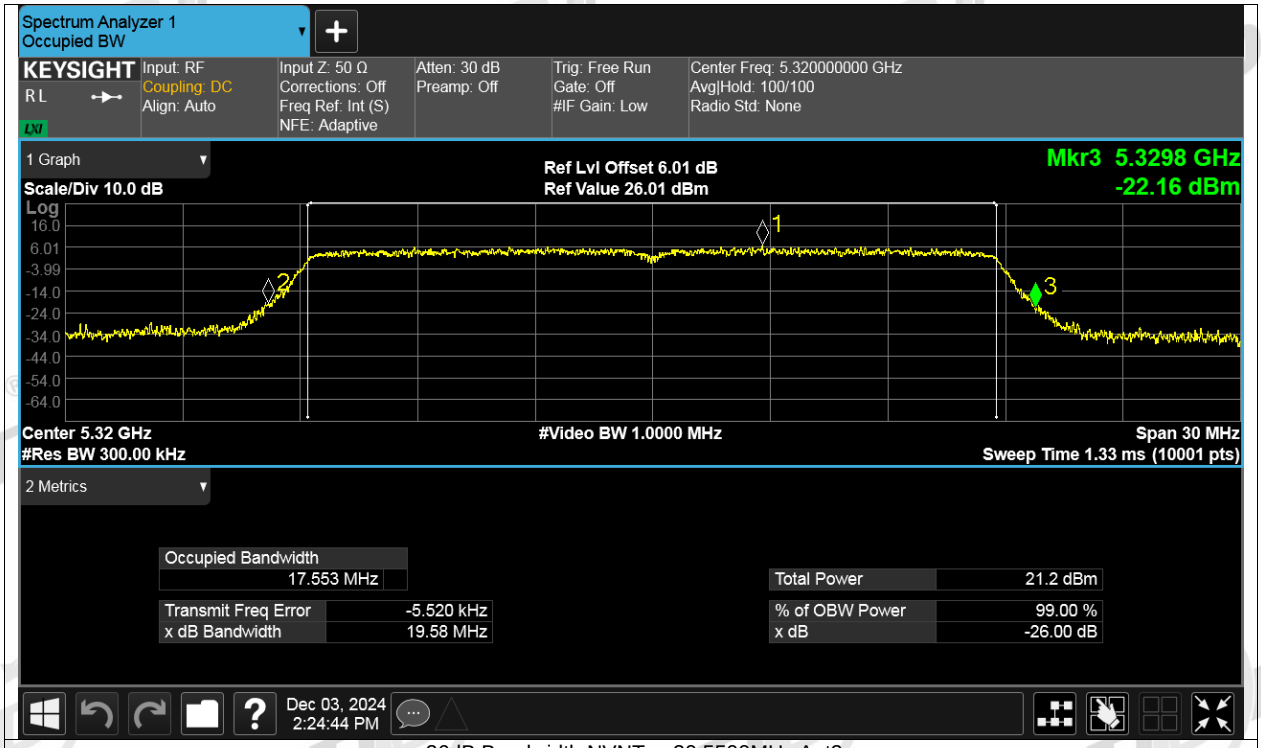
-26dB Bandwidth NVNT ac20 5260MHz Ant2



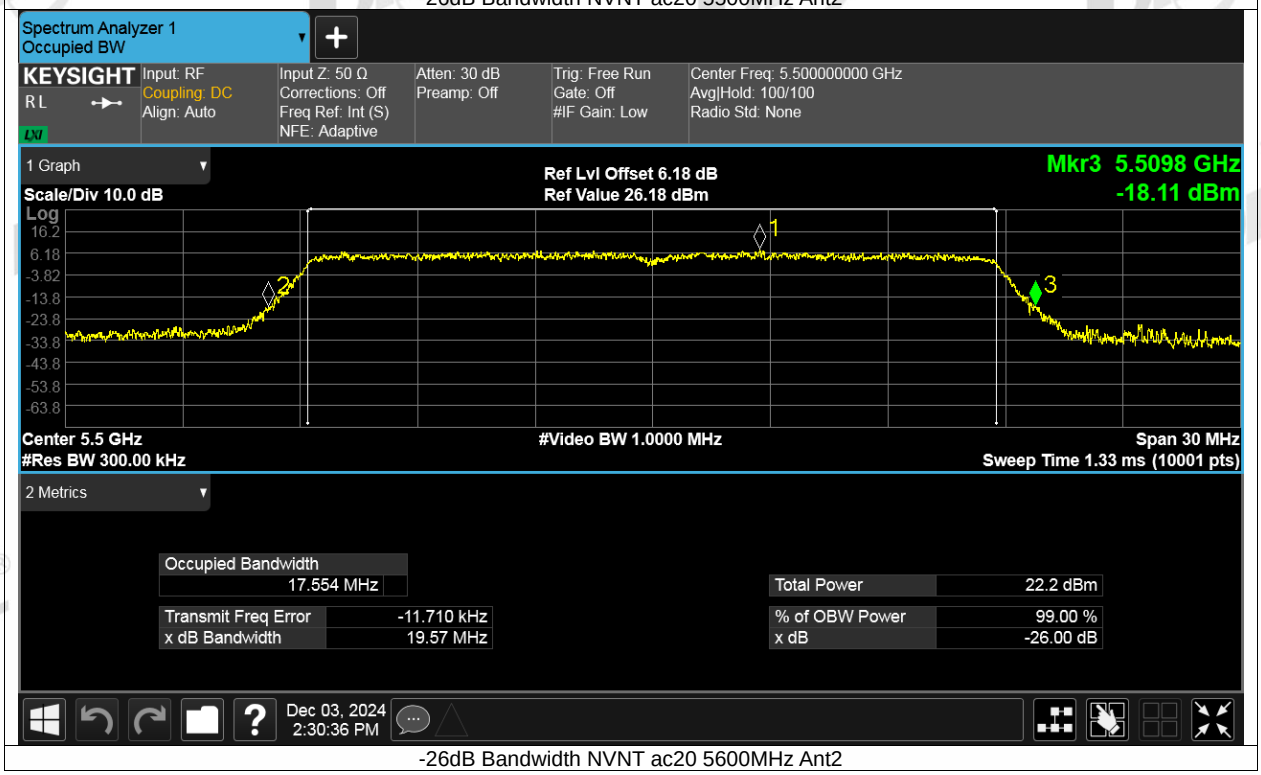
-26dB Bandwidth NVNT ac20 5280MHz Ant2



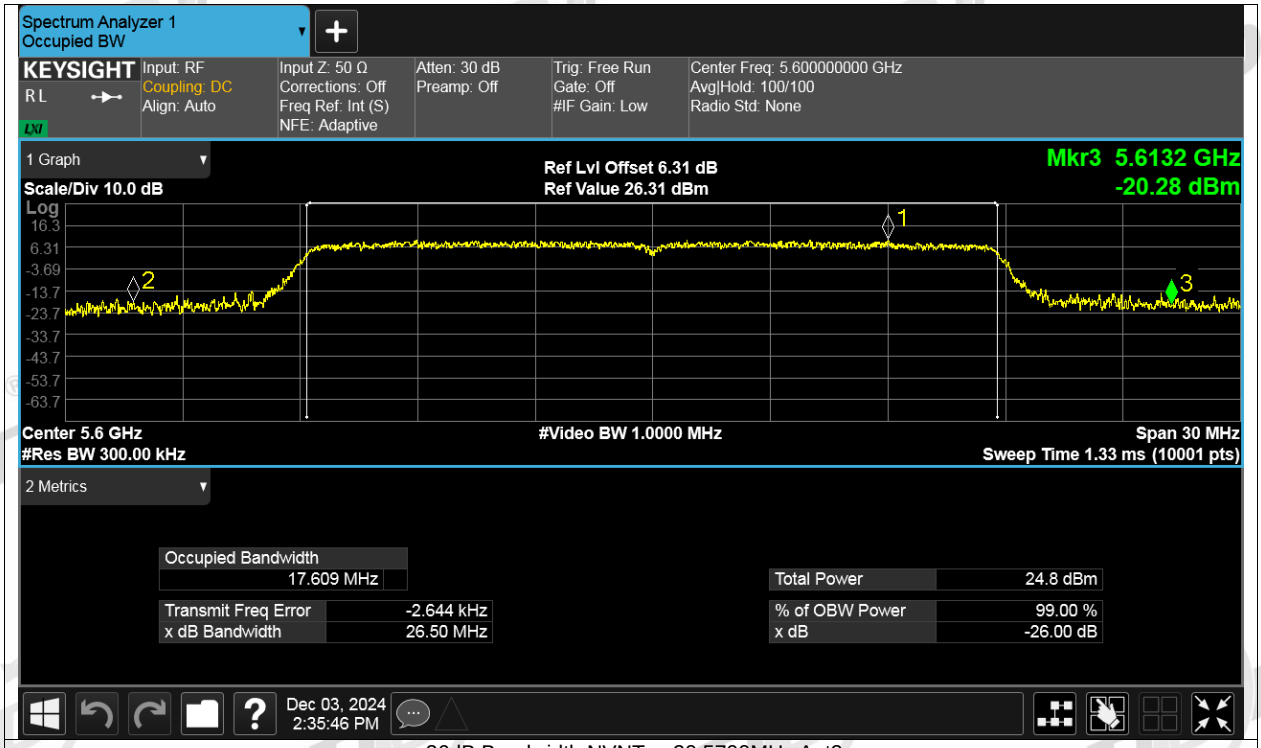
-26dB Bandwidth NVNT ac20 5320MHz Ant2



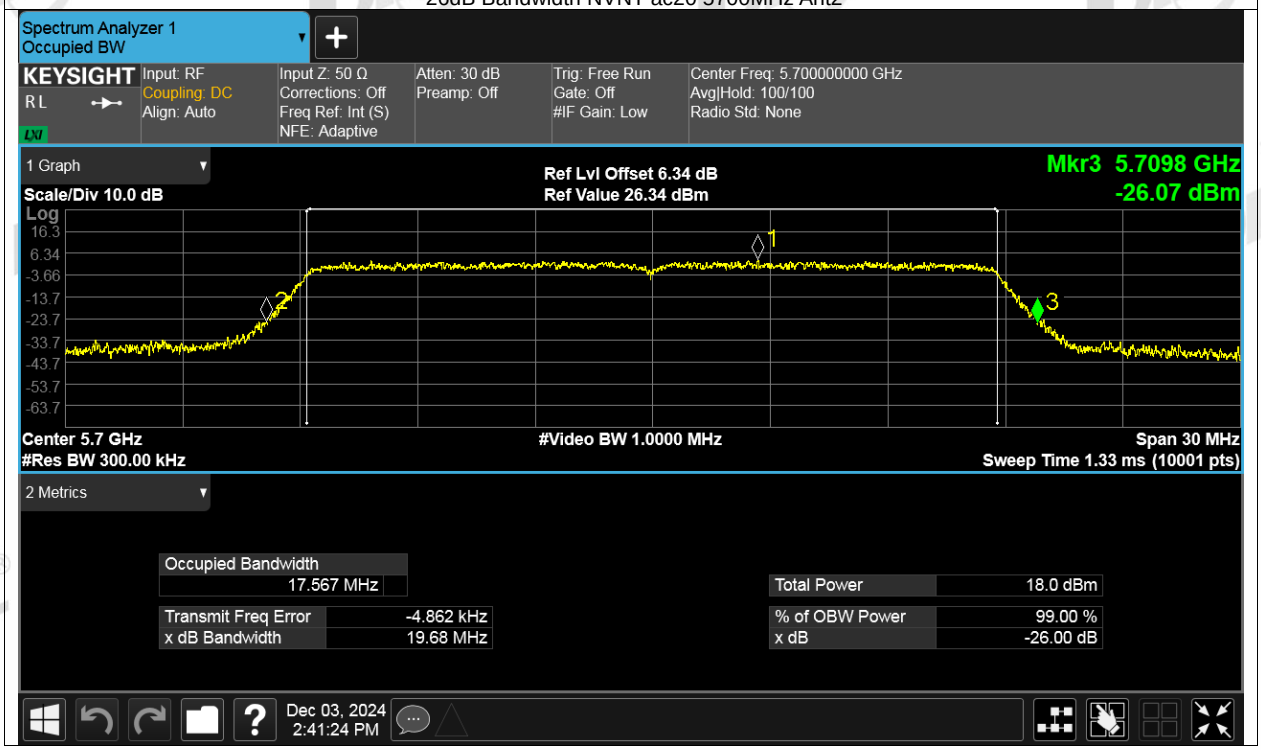
-26dB Bandwidth NVNT ac20 5500MHz Ant2



-26dB Bandwidth NVNT ac20 5600MHz Ant2



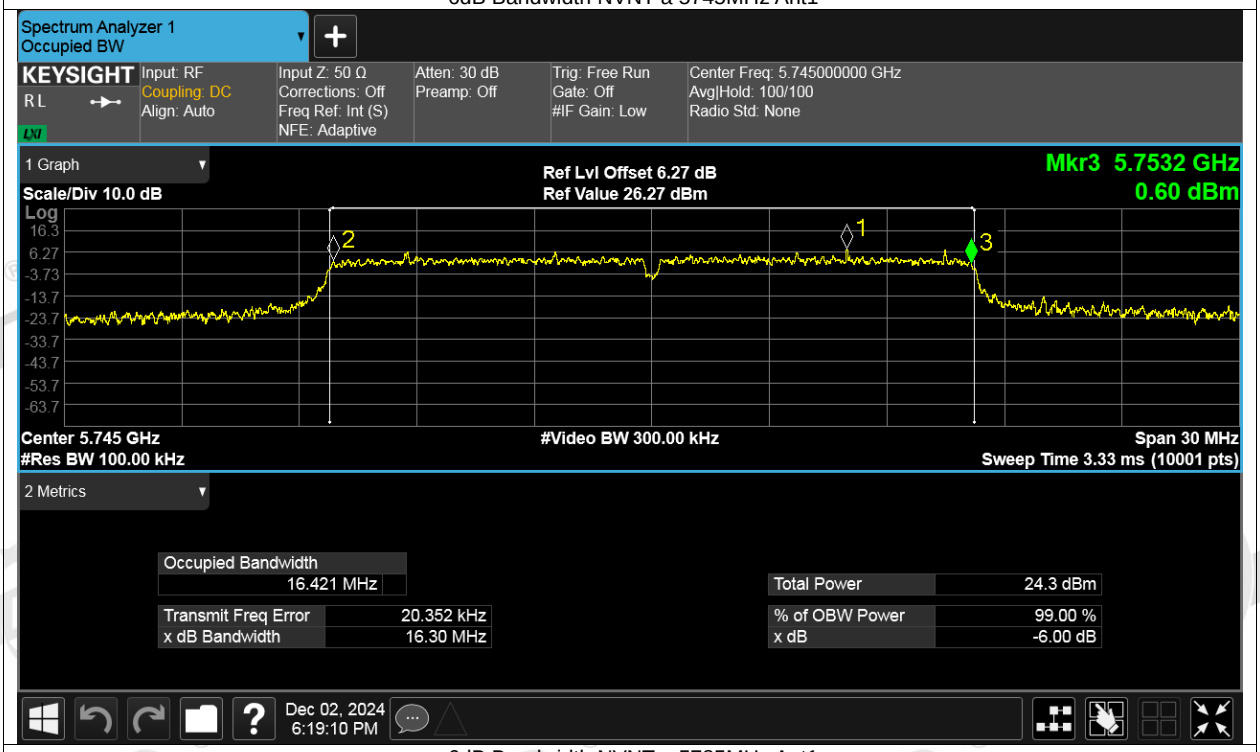
-26dB Bandwidth NVNT ac20 5700MHz Ant2



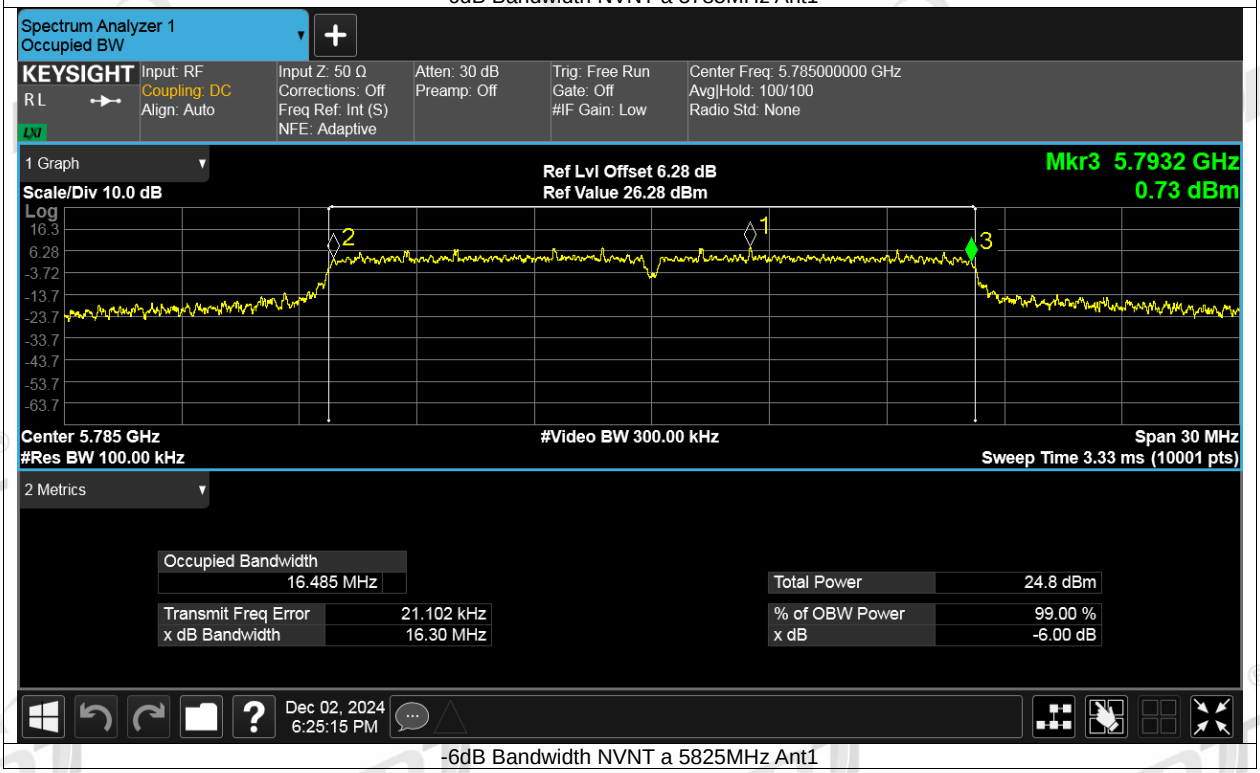
6 dB Bandwidth:

Test Graphs

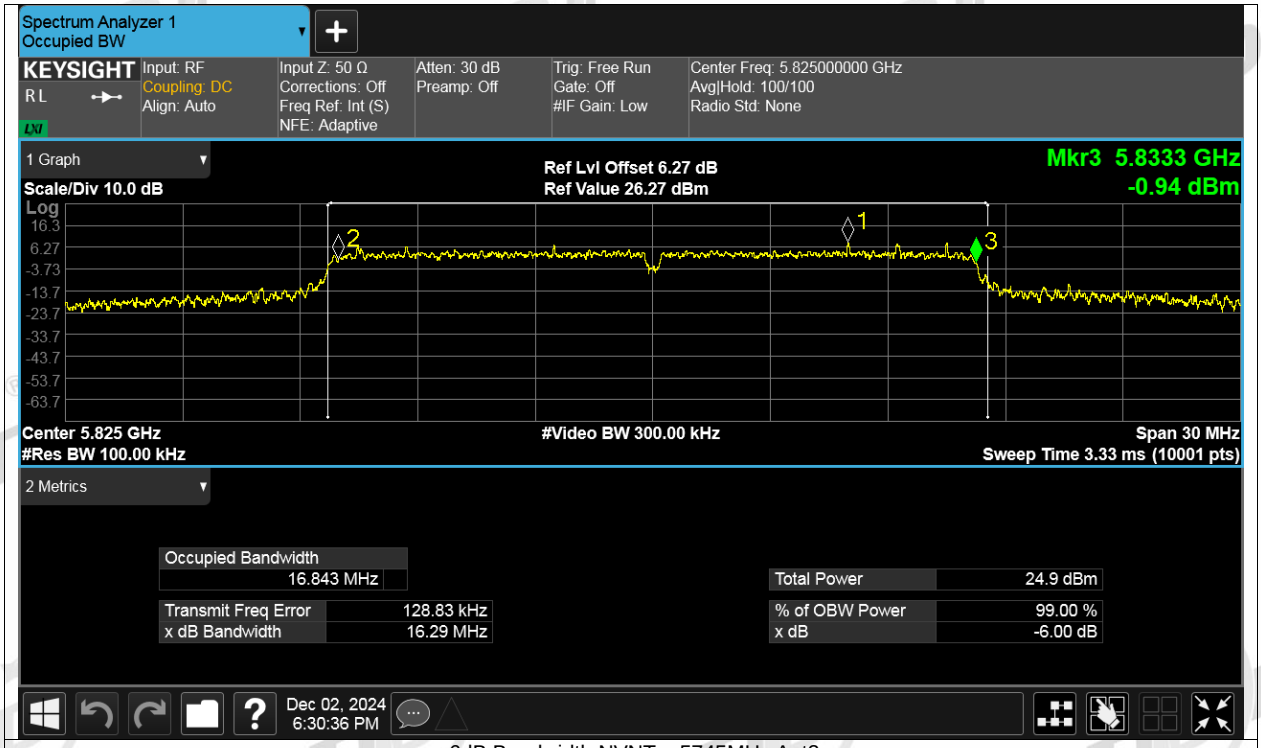
-6dB Bandwidth NVNT a 5745MHz Ant1



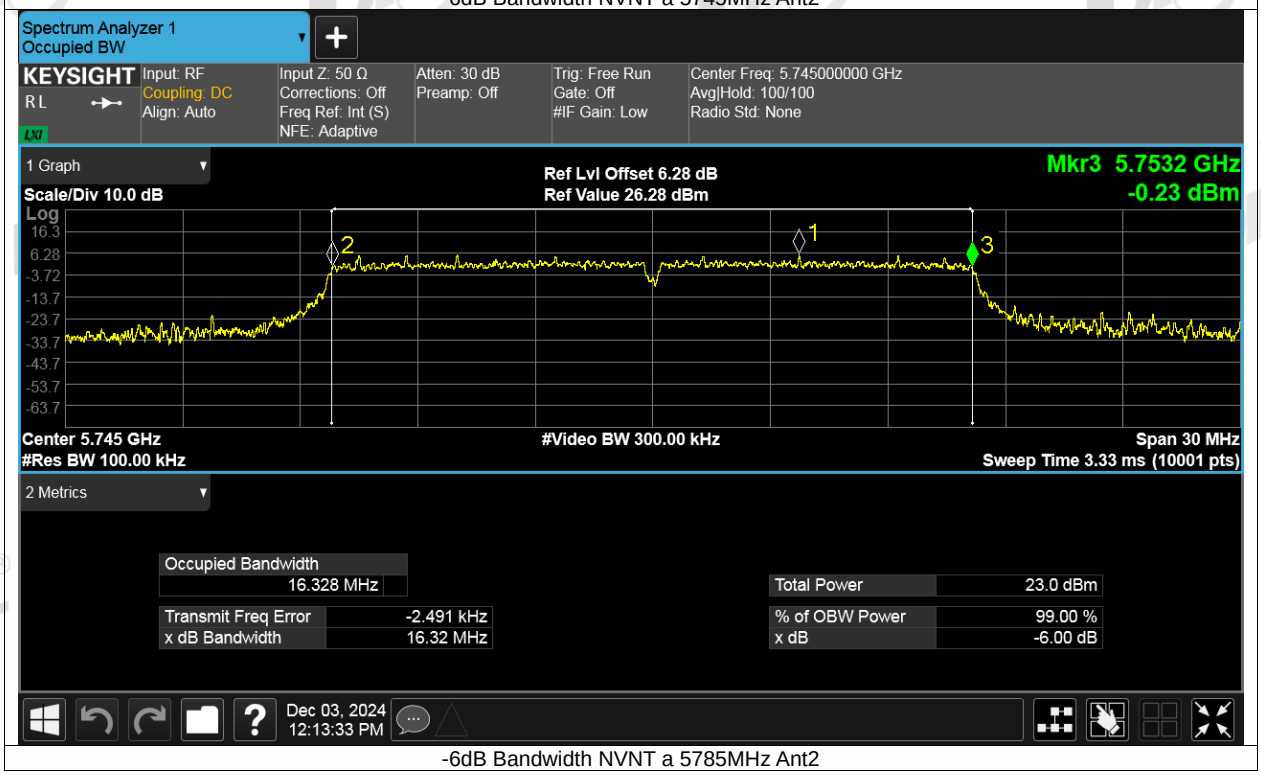
-6dB Bandwidth NVNT a 5785MHz Ant1



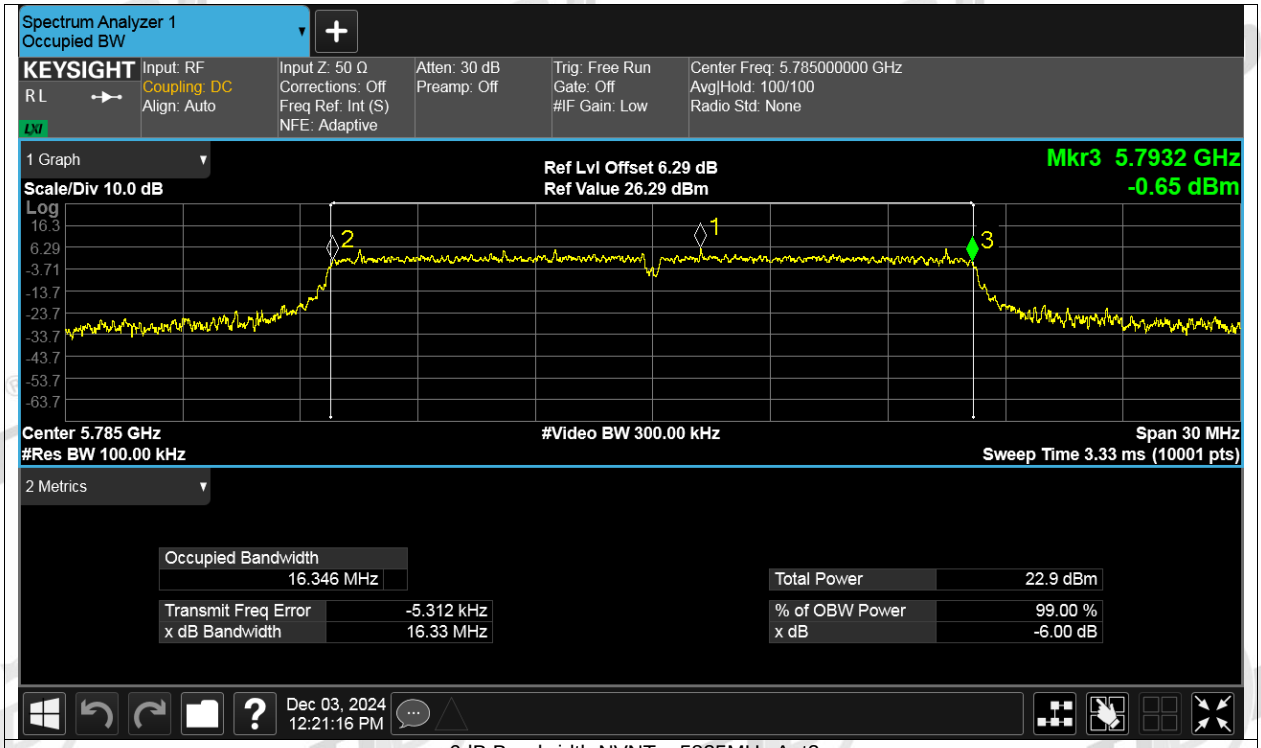
-6dB Bandwidth NVNT a 5825MHz Ant1



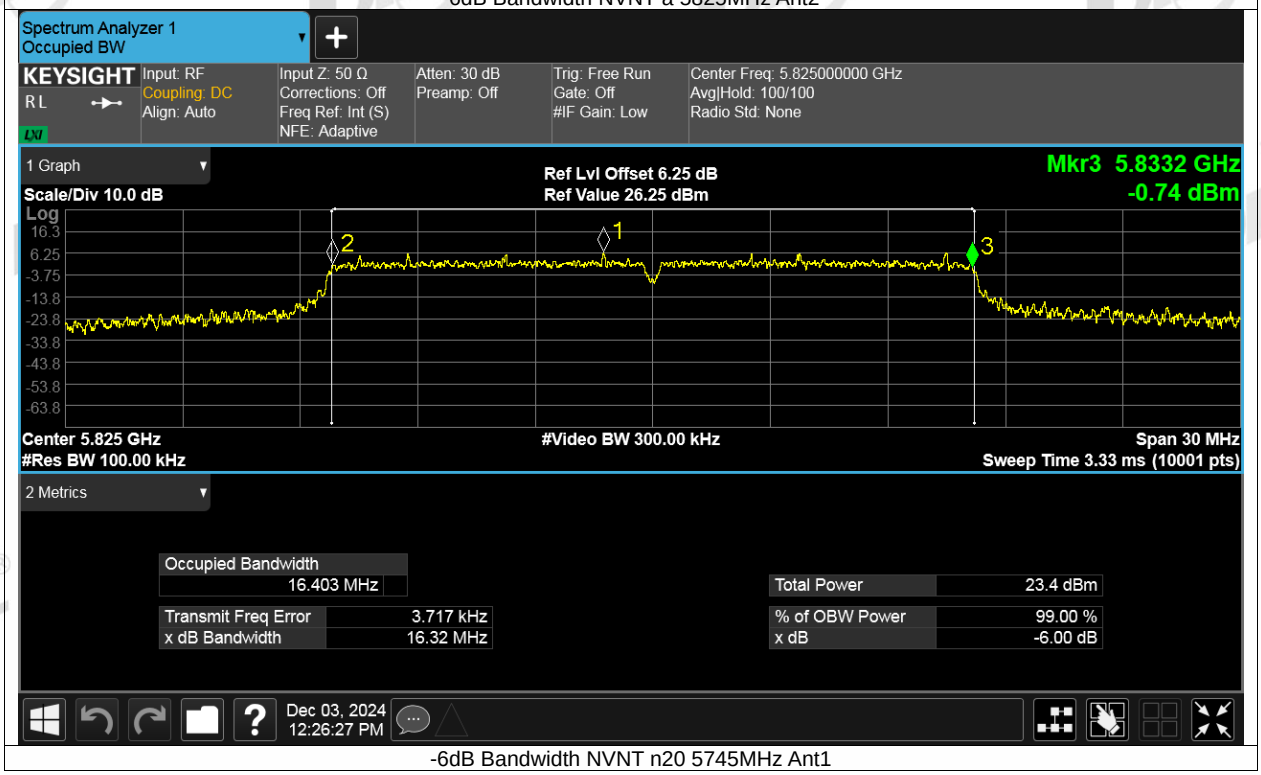
-6dB Bandwidth NVNT a 5745MHz Ant2



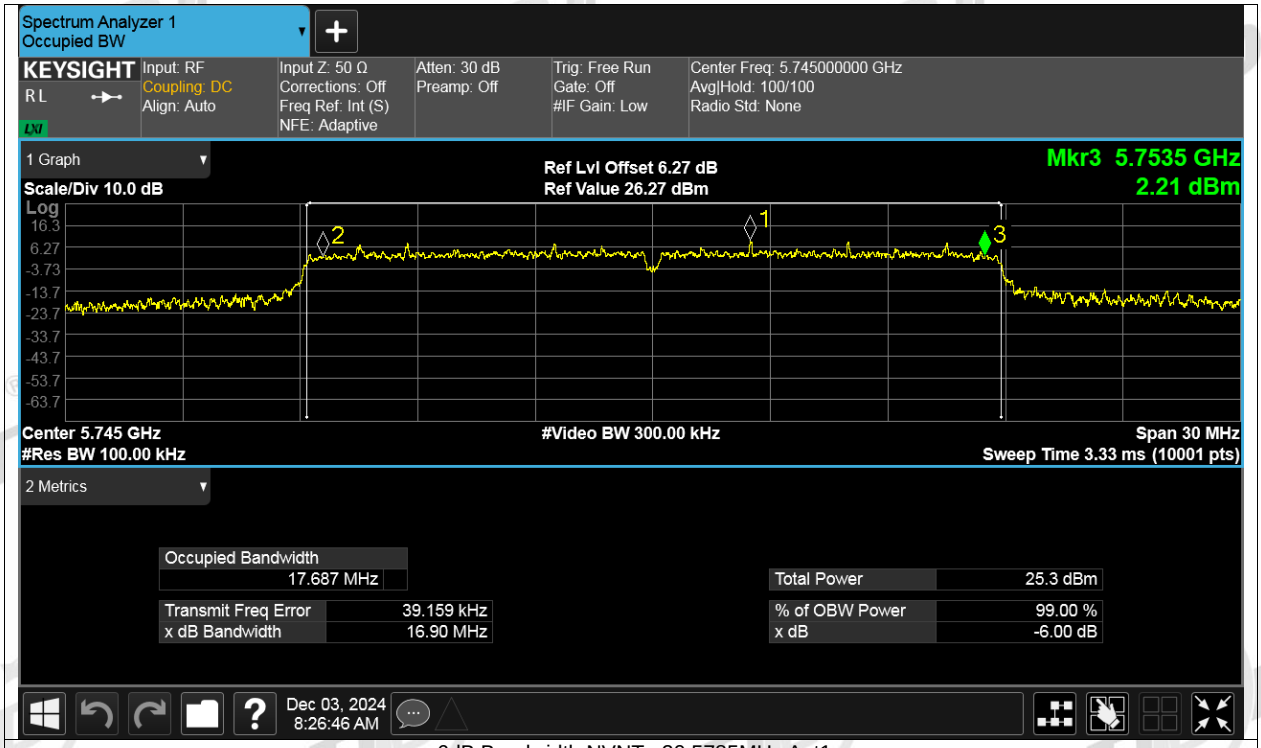
-6dB Bandwidth NVNT a 5785MHz Ant2



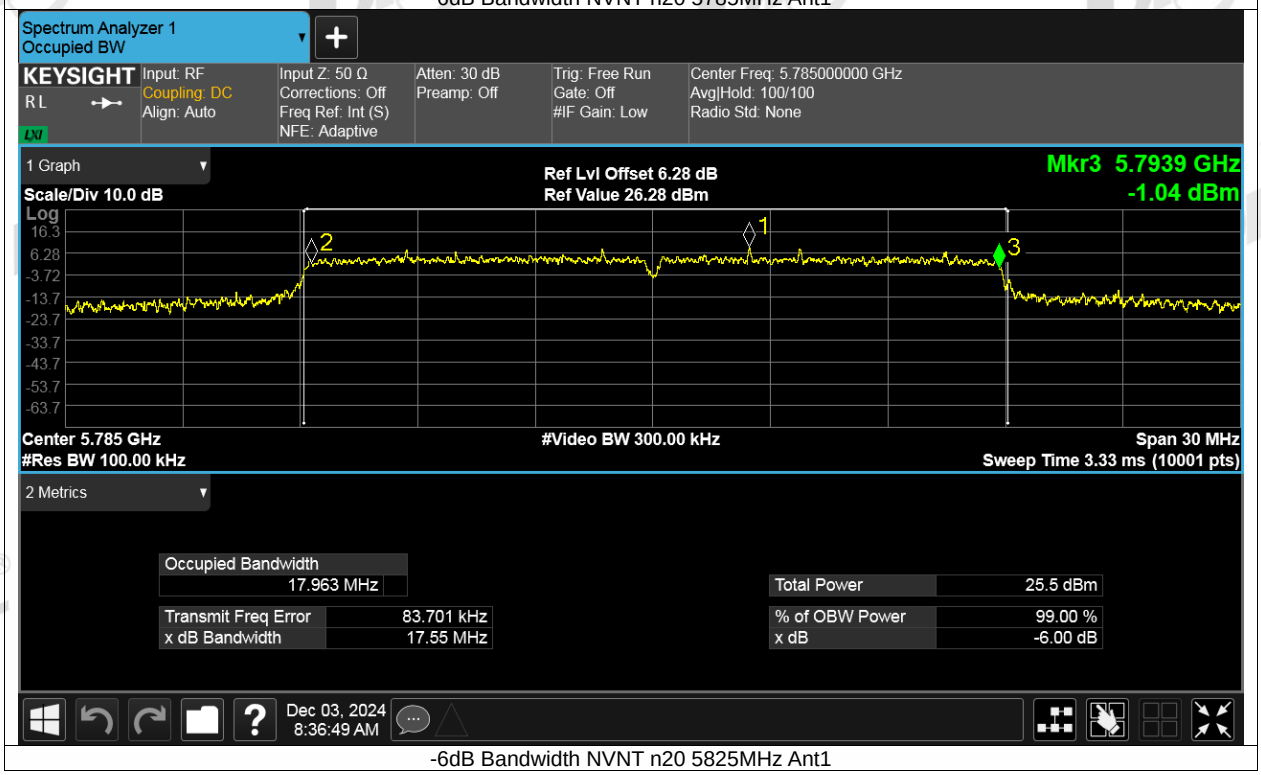
-6dB Bandwidth NVNT a 5825MHz Ant2



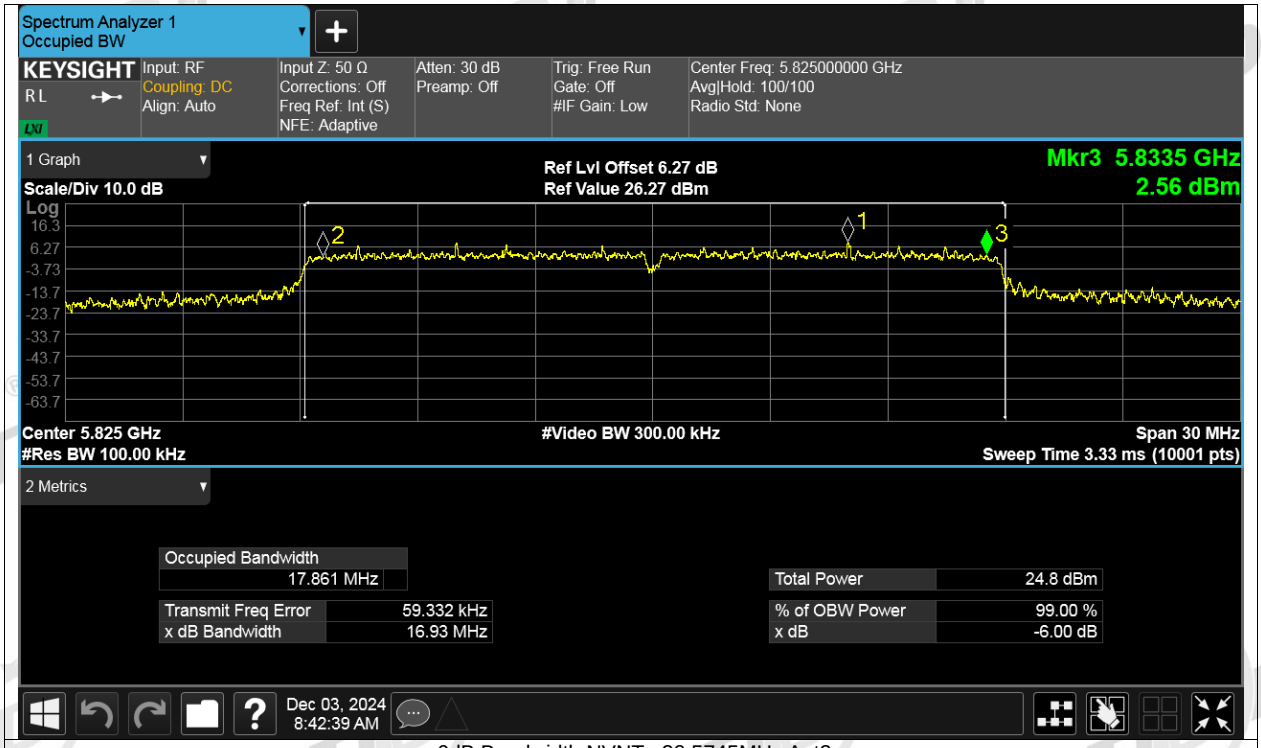
-6dB Bandwidth NVNT n20 5745MHz Ant1



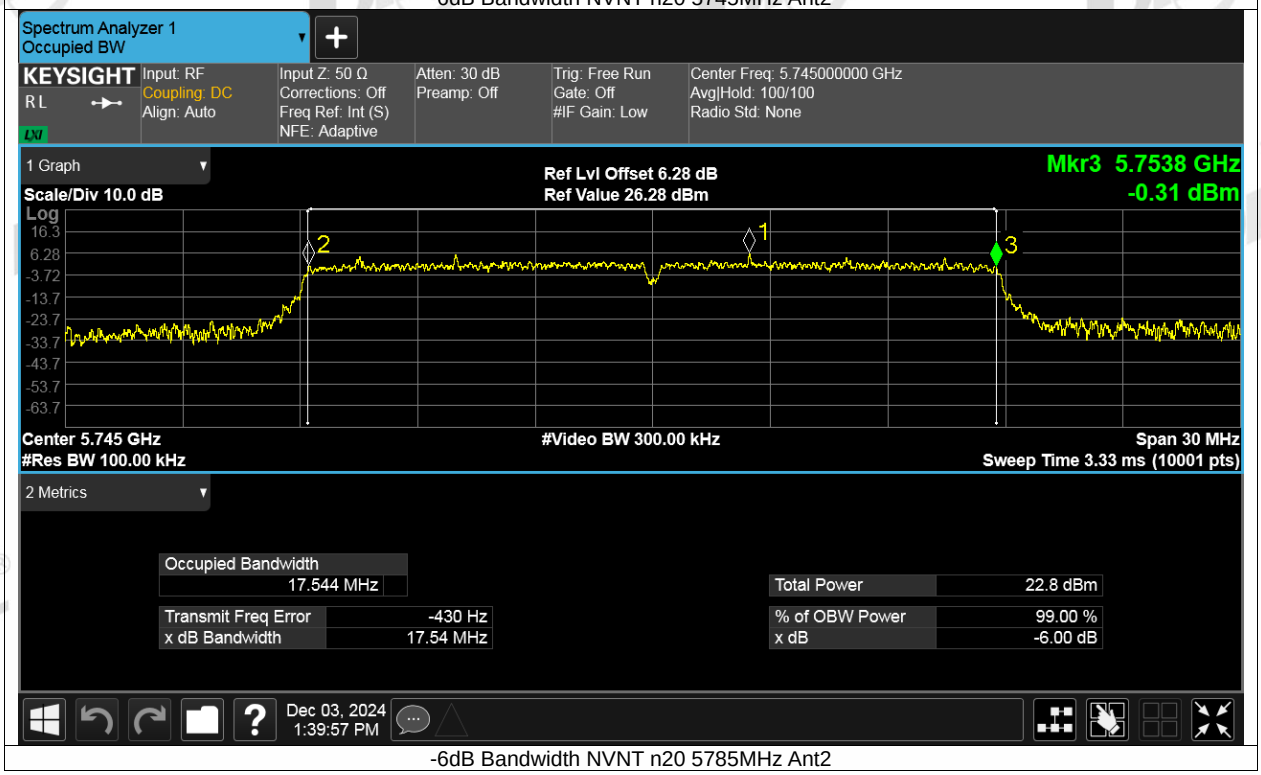
-6dB Bandwidth NVNT n20 5785MHz Ant1



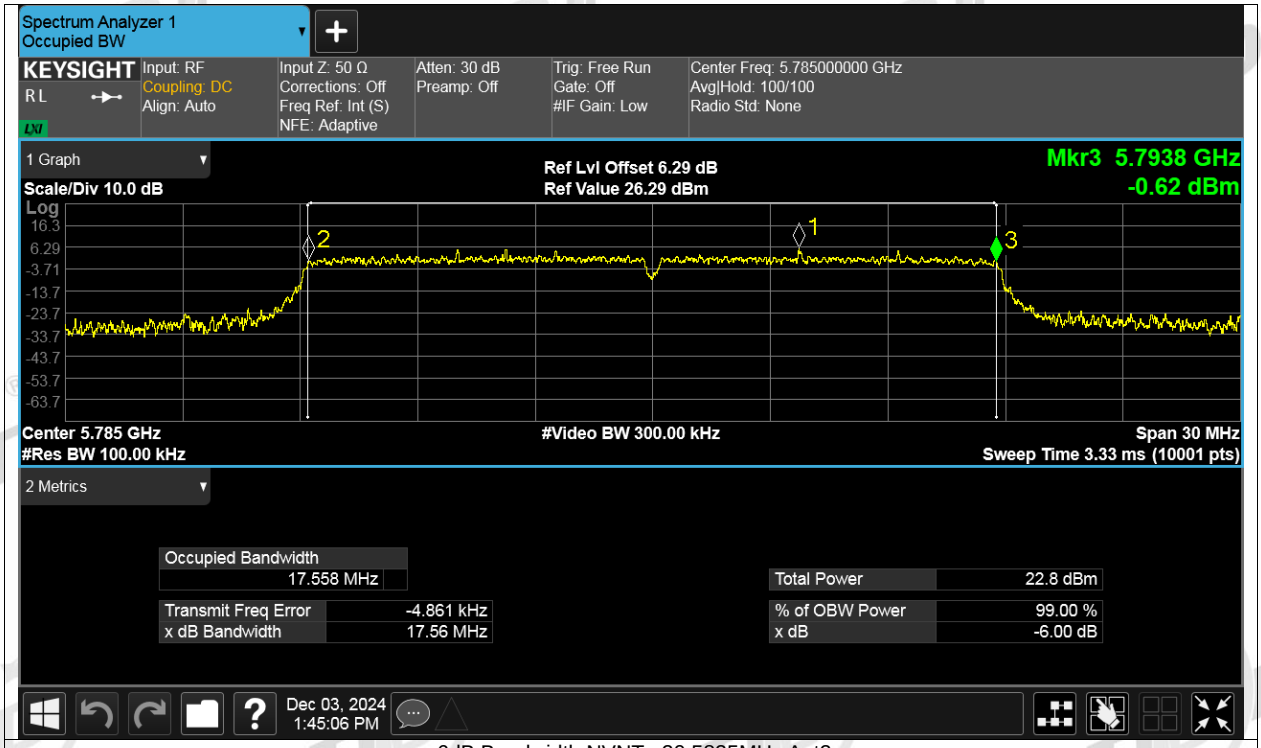
-6dB Bandwidth NVNT n20 5825MHz Ant1



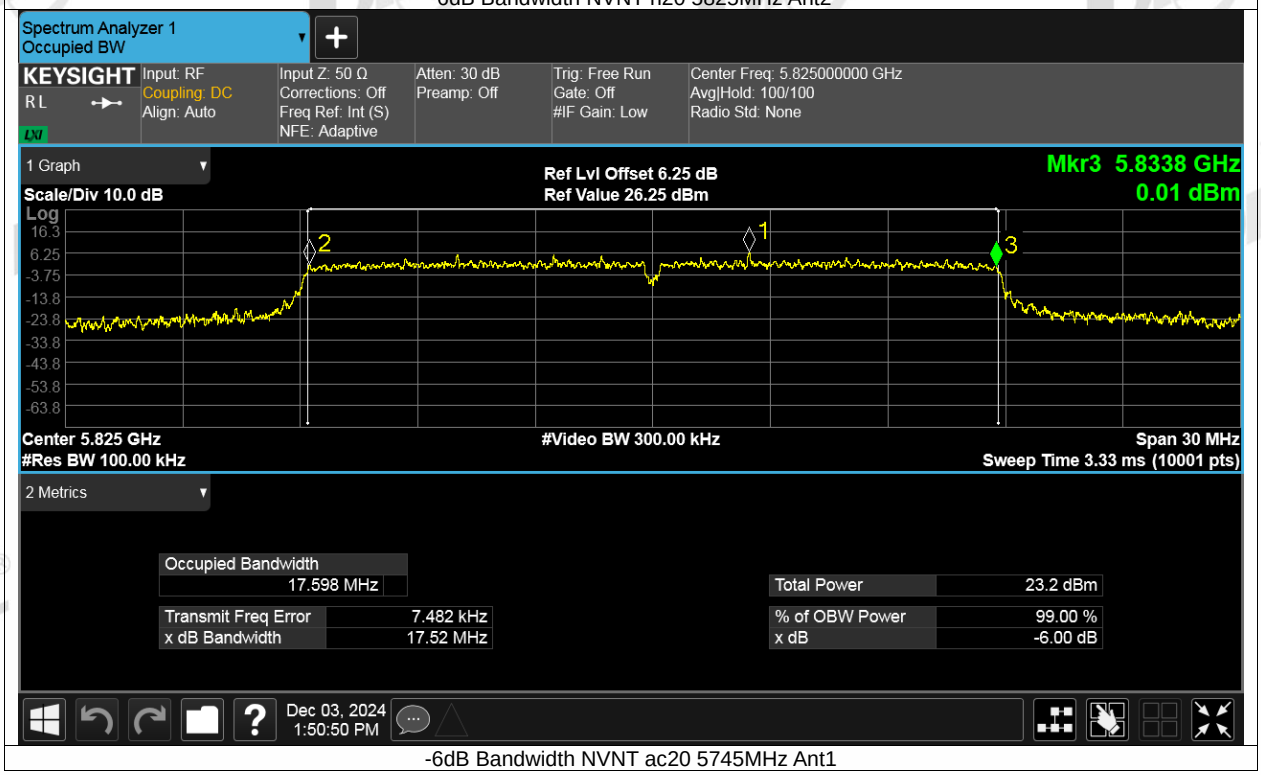
-6dB Bandwidth NVNT n20 5745MHz Ant2



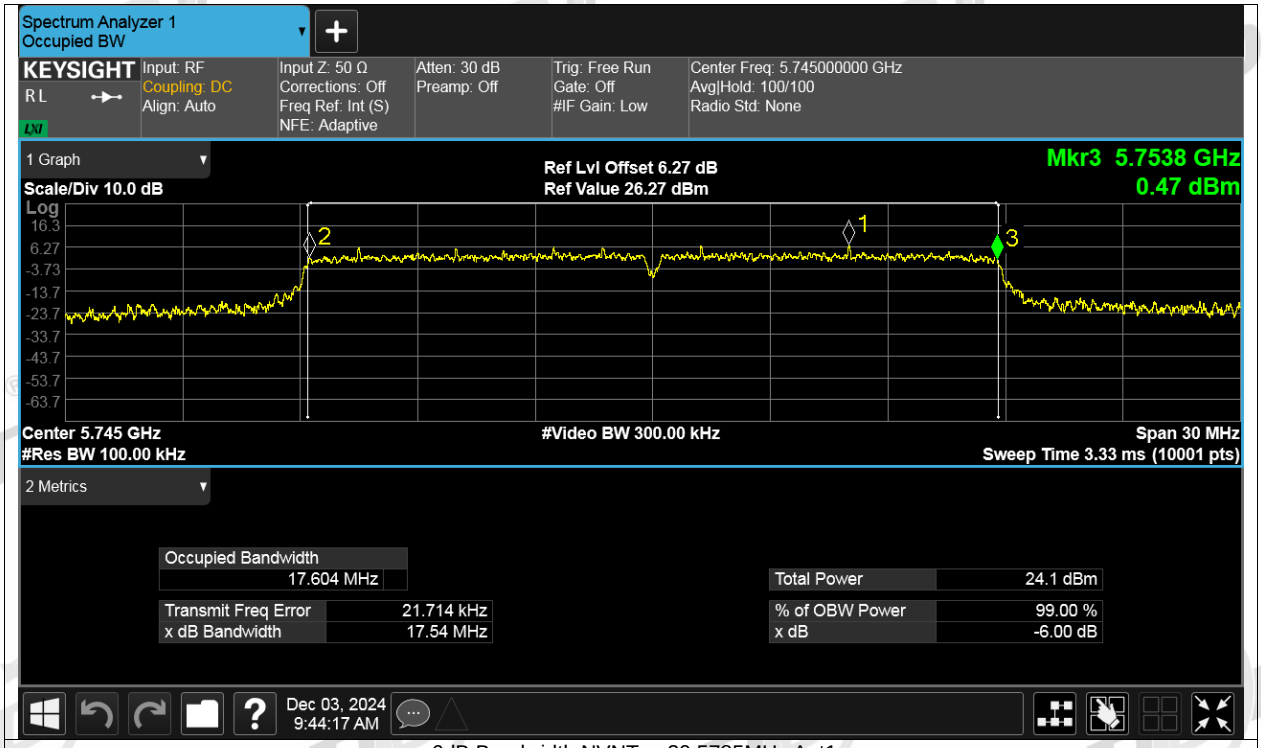
-6dB Bandwidth NVNT n20 5785MHz Ant2



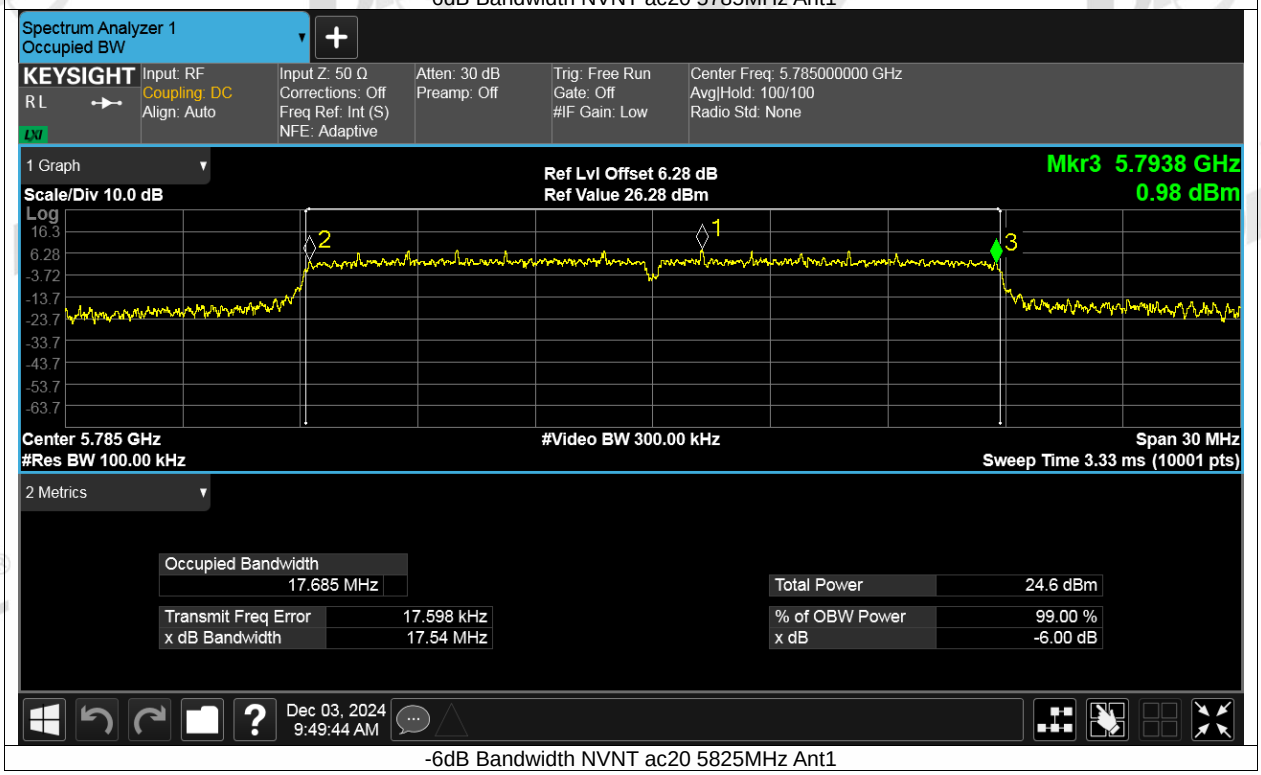
-6dB Bandwidth NVNT n20 5825MHz Ant2



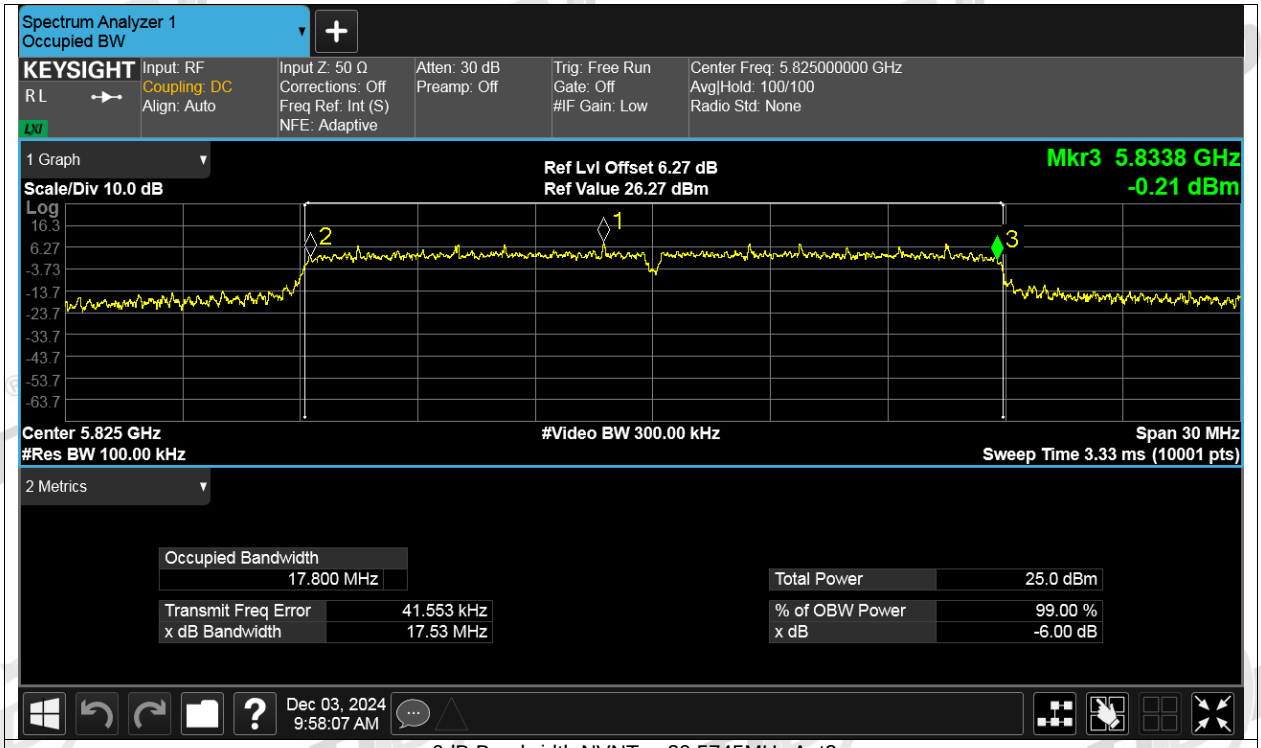
-6dB Bandwidth NVNT ac20 5745MHz Ant1



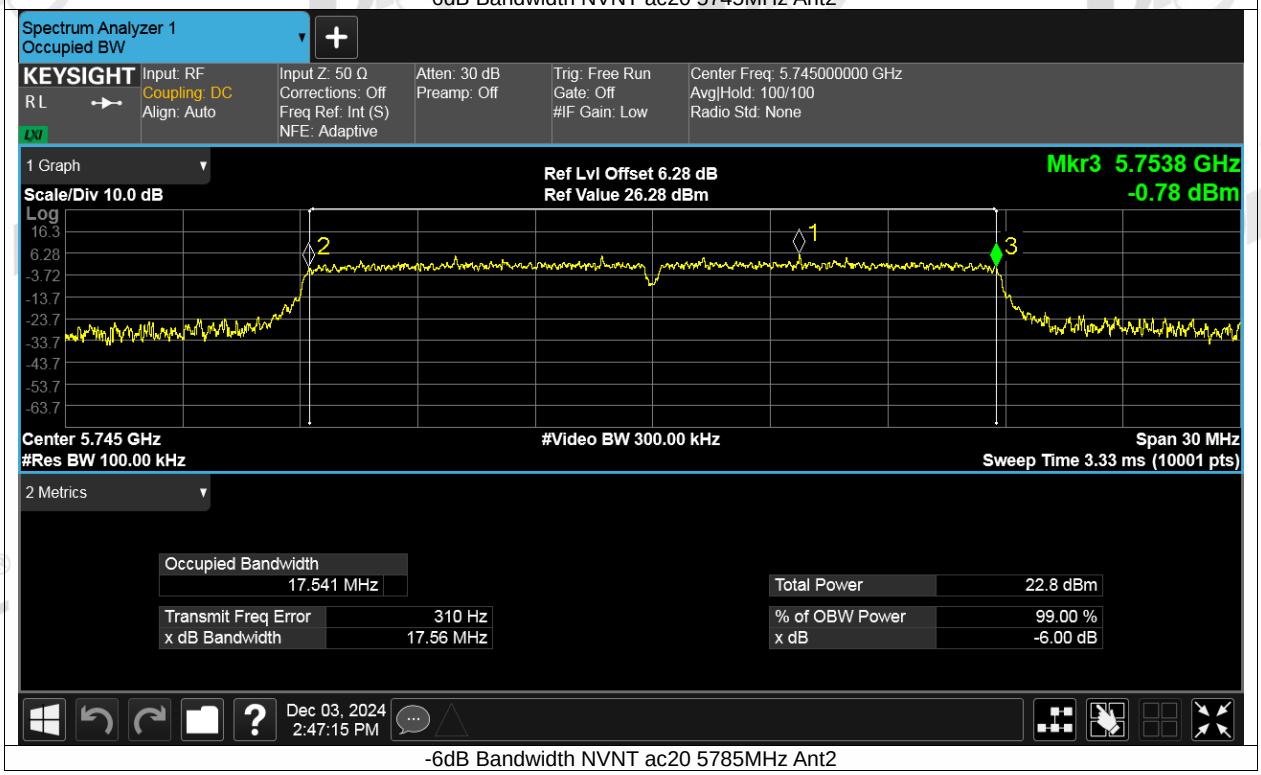
-6dB Bandwidth NVNT ac20 5785MHz Ant1



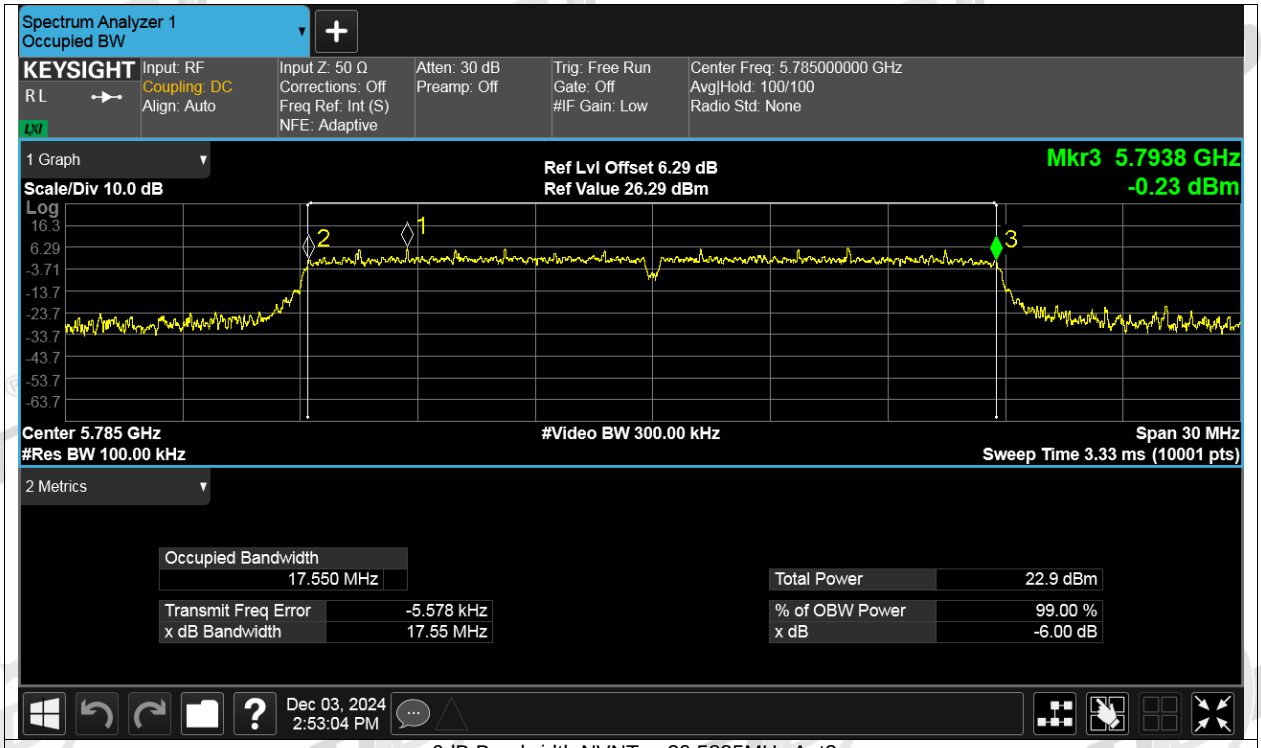
-6dB Bandwidth NVNT ac20 5825MHz Ant1



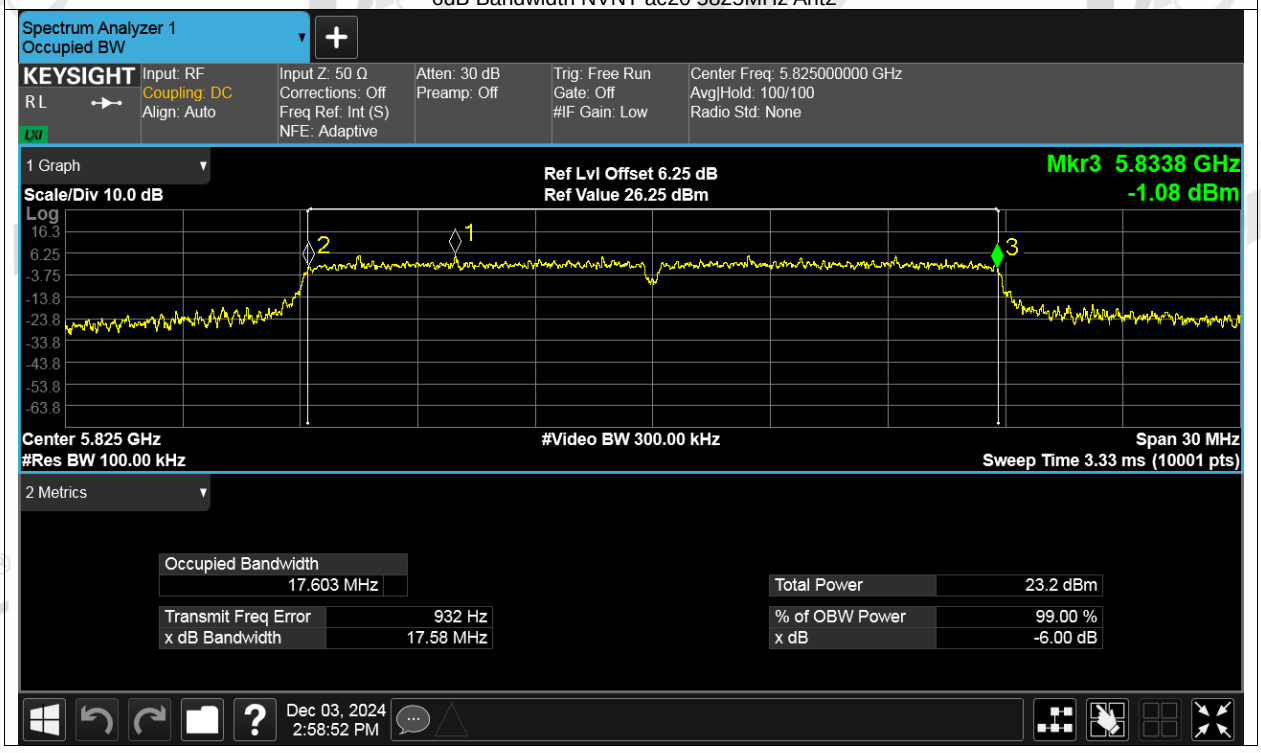
-6dB Bandwidth NVNT ac20 5745MHz Ant2



-6dB Bandwidth NVNT ac20 5785MHz Ant2



-6dB Bandwidth NVNT ac20 5825MHz Ant2



5. Maximum Conducted Output Power

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	For FCC client devices: 250 mW (24 dBm)	5150-5250
	250 mW (24 dBm) or 11 + 10 $\log_{10}$ B	5250-5350
	250 mW (24 dBm) or 11 + 10 $\log_{10}$ B	5470 - 5725
	1 Watt (30 dBm)	5725-5850
Note 1：For FCC: B=26 bandwidth.		

5.3. Test procedure

(1) Connect each EUT's antenna output to spectrum analyser by RF cable and attenuator

(2) According ANSI C63.10:2020 clause 12.4.2.4 Method SA-2.

(3) Add each antenna port's results to get the total output power of EUT.

5.4. Test result

Duty Cycle

Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
a	5180	Ant1	93.21	0.31
a	5200	Ant1	93.64	0.29
a	5240	Ant1	92.41	0.34
a	5260	Ant1	90.75	0.42
a	5280	Ant1	94.52	0.24
a	5320	Ant1	93.64	0.29
a	5500	Ant1	91.56	0.38
a	5600	Ant1	90.39	0.44
a	5700	Ant1	90.35	0.44
a	5745	Ant1	91.56	0.38
a	5785	Ant1	92.83	0.32
a	5825	Ant1	92	0.36
a	5180	Ant2	92.83	0.32
a	5200	Ant2	94.16	0.26
a	5240	Ant2	92	0.36
a	5260	Ant2	90.39	0.44
a	5280	Ant2	94.52	0.24
a	5320	Ant2	92.83	0.32
a	5500	Ant2	91.59	0.38
a	5600	Ant2	92.79	0.32
a	5700	Ant2	90.39	0.44
a	5745	Ant2	92.83	0.32
a	5785	Ant2	91.59	0.38
a	5825	Ant2	94.09	0.26
n20	5180	Ant1	95.07	0.22
n20	5200	Ant1	93.24	0.3
n20	5240	Ant1	91.9	0.37
n20	5260	Ant1	91	0.41
n20	5280	Ant1	91.43	0.39
n20	5320	Ant1	92.75	0.33
n20	5500	Ant1	90.14	0.45
n20	5600	Ant1	91.43	0.39
n20	5700	Ant1	91.43	0.39
n20	5745	Ant1	94.12	0.26
n20	5785	Ant1	92.31	0.35
n20	5825	Ant1	90.19	0.45
n20	5180	Ant2	91	0.41
n20	5200	Ant2	92.31	0.35
n20	5240	Ant2	89.72	0.47
n20	5260	Ant2	91	0.41
n20	5280	Ant2	89.3	0.49
n20	5320	Ant2	89.77	0.47
n20	5500	Ant2	93.66	0.28
n20	5600	Ant2	90.14	0.45

n20	5700	Ant2	91.04	0.41
n20	5745	Ant2	91.04	0.41
n20	5785	Ant2	90.14	0.45
n20	5825	Ant2	91	0.41
ac20	5180	Ant1	91.08	0.41
ac20	5200	Ant1	91.47	0.39
ac20	5240	Ant1	91.47	0.39
ac20	5260	Ant1	88.94	0.51
ac20	5280	Ant1	89.77	0.47
ac20	5320	Ant1	92.34	0.35
ac20	5500	Ant1	90.61	0.43
ac20	5600	Ant1	91.04	0.41
ac20	5700	Ant1	91.94	0.36
ac20	5745	Ant1	90.23	0.45
ac20	5785	Ant1	93.27	0.3
ac20	5825	Ant1	91.9	0.37
ac20	5180	Ant2	90.23	0.45
ac20	5200	Ant2	93.27	0.3
ac20	5240	Ant2	89.81	0.47
ac20	5260	Ant2	90.19	0.45
ac20	5280	Ant2	93.27	0.3
ac20	5320	Ant2	92.79	0.32
ac20	5500	Ant2	92.82	0.32
ac20	5600	Ant2	94.15	0.26
ac20	5700	Ant2	89.81	0.47
ac20	5745	Ant2	90.19	0.45
ac20	5785	Ant2	90.61	0.43
ac20	5825	Ant2	91.04	0.41

FCC Maximum Conducted Output Power

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	FCC Conducted Limit	Verdict
a	5180	Ant1	14.22	0.31	14.53	24	PASS
a	5200	Ant1	14.42	0.29	14.71	24	PASS
a	5240	Ant1	14.98	0.34	15.32	24	PASS
a	5260	Ant1	15.35	0.42	15.77	24	PASS
a	5280	Ant1	16.25	0.24	16.49	24	PASS
a	5320	Ant1	17.17	0.29	17.46	24	PASS
a	5500	Ant1	18.04	0.38	18.42	24	PASS
a	5600	Ant1	16.84	0.44	17.28	24	PASS
a	5700	Ant1	11.72	0.44	12.16	24	PASS
a	5745	Ant1	19.12	0.38	19.5	30	PASS
a	5785	Ant1	18.86	0.32	19.18	30	PASS
a	5825	Ant1	19.04	0.36	19.4	30	PASS
a	5180	Ant2	13.59	0.32	13.91	24	PASS
a	5200	Ant2	13.86	0.26	14.12	24	PASS
a	5240	Ant2	14.6	0.36	14.96	24	PASS
a	5260	Ant2	15.62	0.44	16.06	24	PASS
a	5280	Ant2	16.39	0.24	16.63	24	PASS

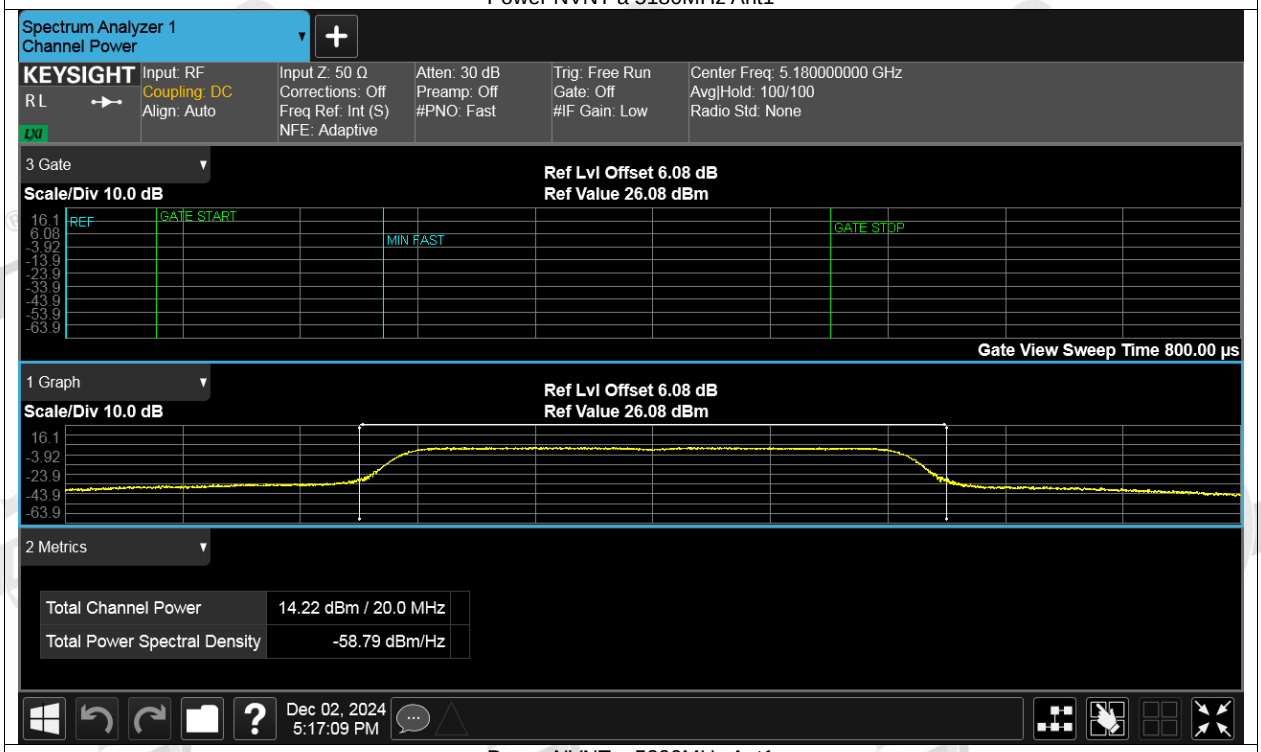
a	5320	Ant2	16.85	0.32	17.17	24	PASS
a	5500	Ant2	17.82	0.38	18.2	24	PASS
a	5600	Ant2	16.81	0.32	17.13	24	PASS
a	5700	Ant2	12.52	0.44	12.96	24	PASS
a	5745	Ant2	17.24	0.32	17.56	30	PASS
a	5785	Ant2	17.08	0.38	17.46	30	PASS
a	5825	Ant2	17.57	0.26	17.83	30	PASS
n20	5180	Ant1	15.99	0.22	16.21	24	PASS
n20	5200	Ant1	15.59	0.3	15.89	24	PASS
n20	5240	Ant1	15.92	0.37	16.29	24	PASS
n20	5260	Ant1	16.37	0.41	16.78	24	PASS
n20	5280	Ant1	17.4	0.39	17.79	24	PASS
n20	5320	Ant1	15.79	0.33	16.12	24	PASS
n20	5500	Ant1	16.43	0.45	16.88	24	PASS
n20	5600	Ant1	17.09	0.39	17.48	24	PASS
n20	5700	Ant1	11.88	0.39	12.27	24	PASS
n20	5745	Ant1	18.32	0.26	18.58	30	PASS
n20	5785	Ant1	18.74	0.35	19.09	30	PASS
n20	5825	Ant1	19.06	0.45	19.51	30	PASS
n20	5180	Ant2	13.44	0.41	13.85	24	PASS
n20	5200	Ant2	13.54	0.35	13.89	24	PASS
n20	5240	Ant2	14.23	0.47	14.7	24	PASS
n20	5260	Ant2	14.83	0.41	15.24	24	PASS
n20	5280	Ant2	15.67	0.49	16.16	24	PASS
n20	5320	Ant2	14.79	0.47	15.26	24	PASS
n20	5500	Ant2	16.45	0.28	16.73	24	PASS
n20	5600	Ant2	17.84	0.45	18.29	24	PASS
n20	5700	Ant2	12.41	0.41	12.82	24	PASS
n20	5745	Ant2	17.07	0.41	17.48	30	PASS
n20	5785	Ant2	16.93	0.45	17.38	30	PASS
n20	5825	Ant2	17.44	0.41	17.85	30	PASS
ac20	5180	Ant1	16.32	0.41	16.73	24	PASS
ac20	5200	Ant1	17.28	0.39	17.67	24	PASS
ac20	5240	Ant1	18.17	0.39	18.56	24	PASS
ac20	5260	Ant1	18.86	0.51	19.37	24	PASS
ac20	5280	Ant1	19.52	0.47	19.99	24	PASS
ac20	5320	Ant1	15.6	0.35	15.95	24	PASS
ac20	5500	Ant1	16.36	0.43	16.79	24	PASS
ac20	5600	Ant1	17.96	0.41	18.37	24	PASS
ac20	5700	Ant1	12.52	0.36	12.88	24	PASS
ac20	5745	Ant1	18.46	0.45	18.91	30	PASS
ac20	5785	Ant1	18.67	0.3	18.97	30	PASS
ac20	5825	Ant1	18.08	0.37	18.45	30	PASS
ac20	5180	Ant2	16.84	0.45	17.29	24	PASS
ac20	5200	Ant2	17.28	0.3	17.58	24	PASS
ac20	5240	Ant2	18.15	0.47	18.62	24	PASS
ac20	5260	Ant2	18.85	0.45	19.3	24	PASS

ac20	5280	Ant2	19.55	0.3	19.85	24	PASS
ac20	5320	Ant2	15.24	0.32	15.56	24	PASS
ac20	5500	Ant2	16.72	0.32	17.04	24	PASS
ac20	5600	Ant2	19.26	0.26	19.52	24	PASS
ac20	5700	Ant2	12.47	0.47	12.94	24	PASS
ac20	5745	Ant2	17.16	0.45	17.61	30	PASS
ac20	5785	Ant2	17.02	0.43	17.45	30	PASS
ac20	5825	Ant2	17.48	0.41	17.89	30	PASS

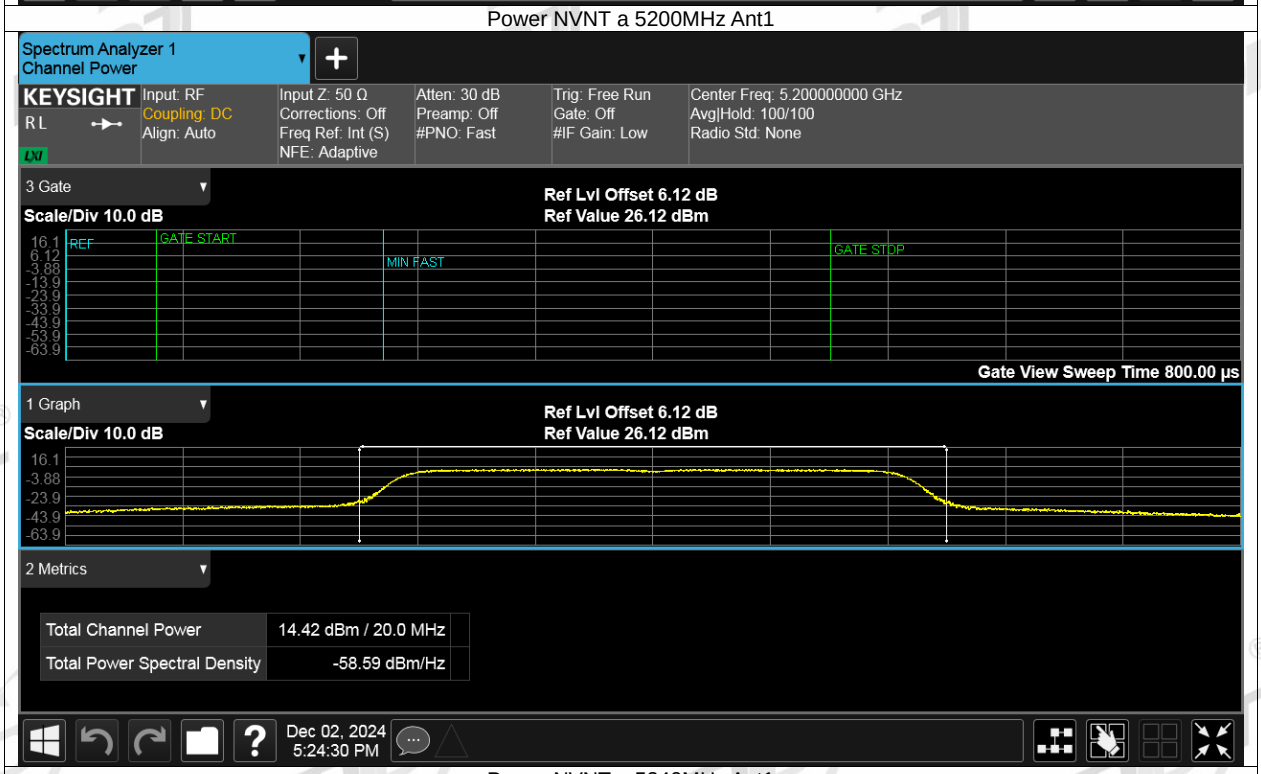
5.5. Original test data

Test Graphs

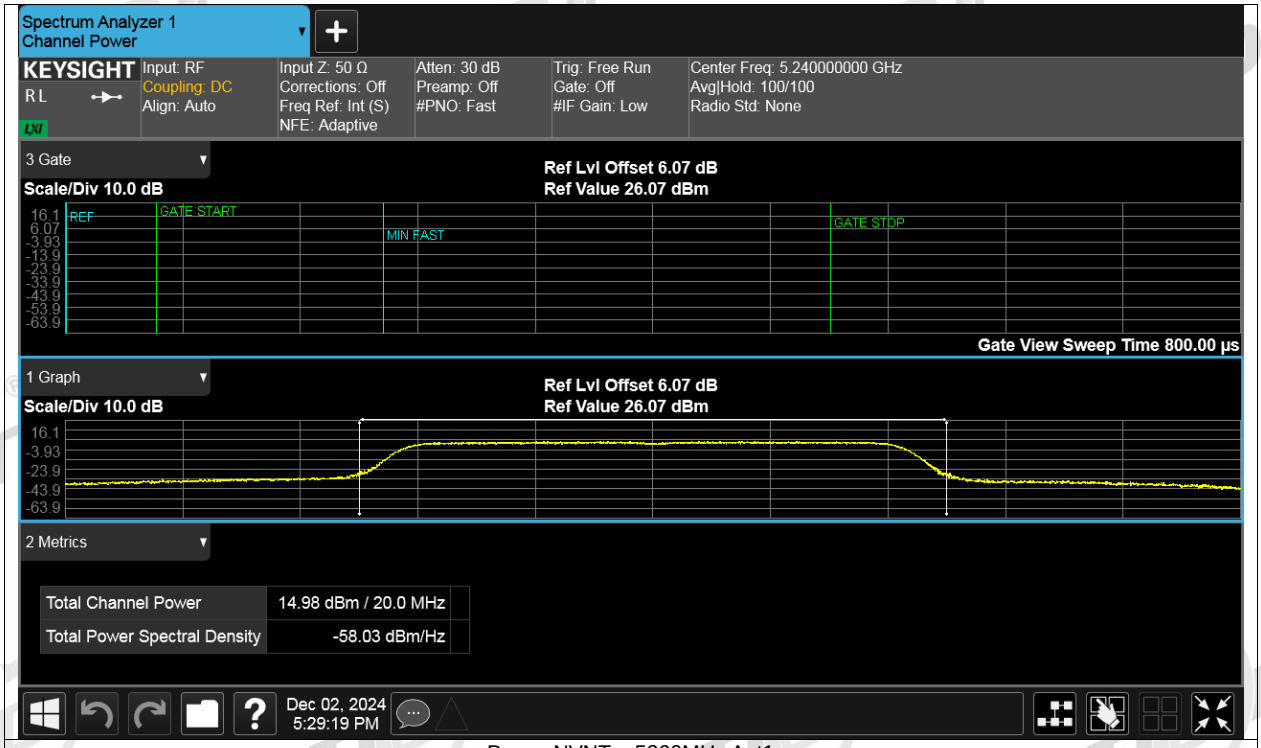
Power NVNT a 5180MHz Ant1



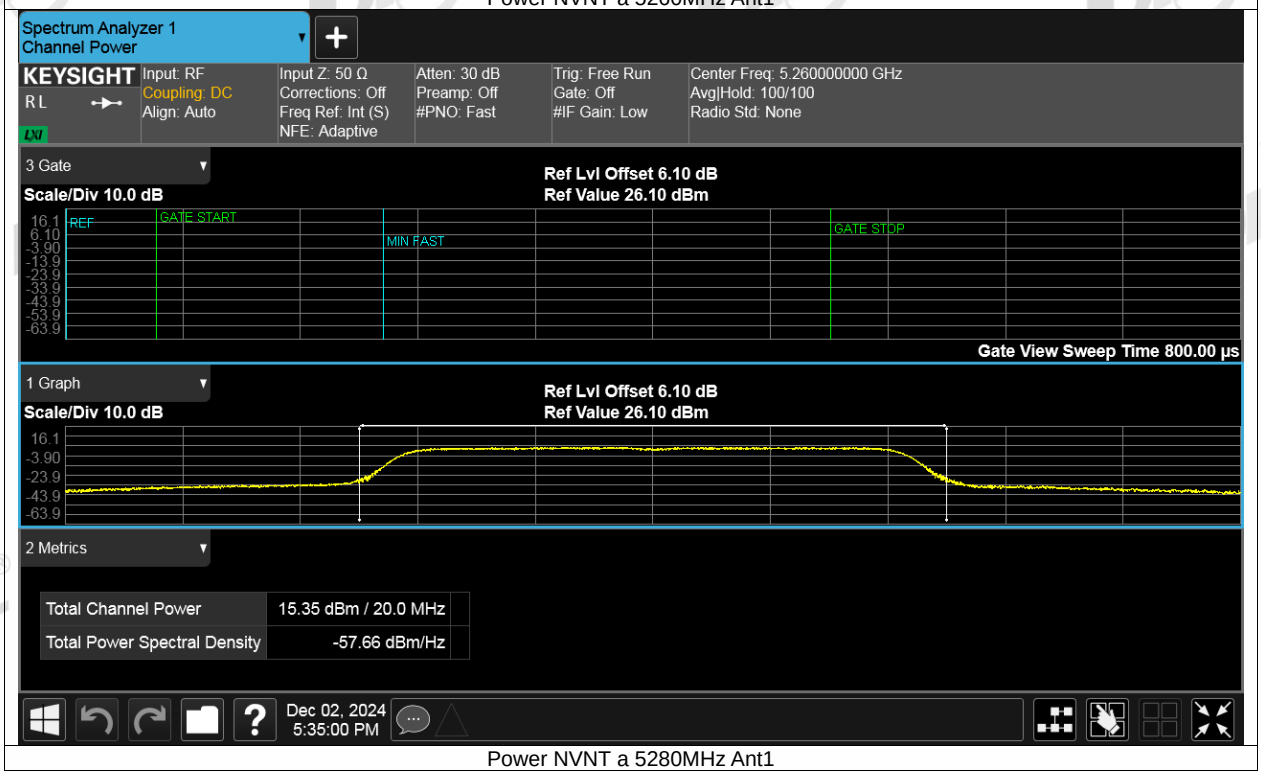
Power NVNT a 5200MHz Ant1



Power NVNT a 5240MHz Ant1



Power NVNT a 5260MHz Ant1



Power NVNT a 5280MHz Ant1