

Duty Cycle

Condition	Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Max Variation (%)
NVNT	a	5745	2.09	2.135	97.89	0.09	0.48	0.25
NVNT	a	5785	2.09	2.135	97.89	0.09	0.48	0.25
NVNT	a	5825	2.09	2.135	97.89	0.09	0.48	0.24
NVNT	n20	5745	4.015	4.06	98.89	0.05	0.25	/
NVNT	n20	5785	4.015	4.06	98.89	0.05	0.25	/
NVNT	n20	5825	4.02	4.065	98.89	0.05	0.25	/
NVNT	ac20	5745	4.005	4.05	98.89	0.05	0.25	/
NVNT	ac20	5785	4.005	4.055	98.77	0.05	0.25	/
NVNT	ac20	5825	4	4.05	98.77	0.05	0.25	/

Test Graphs

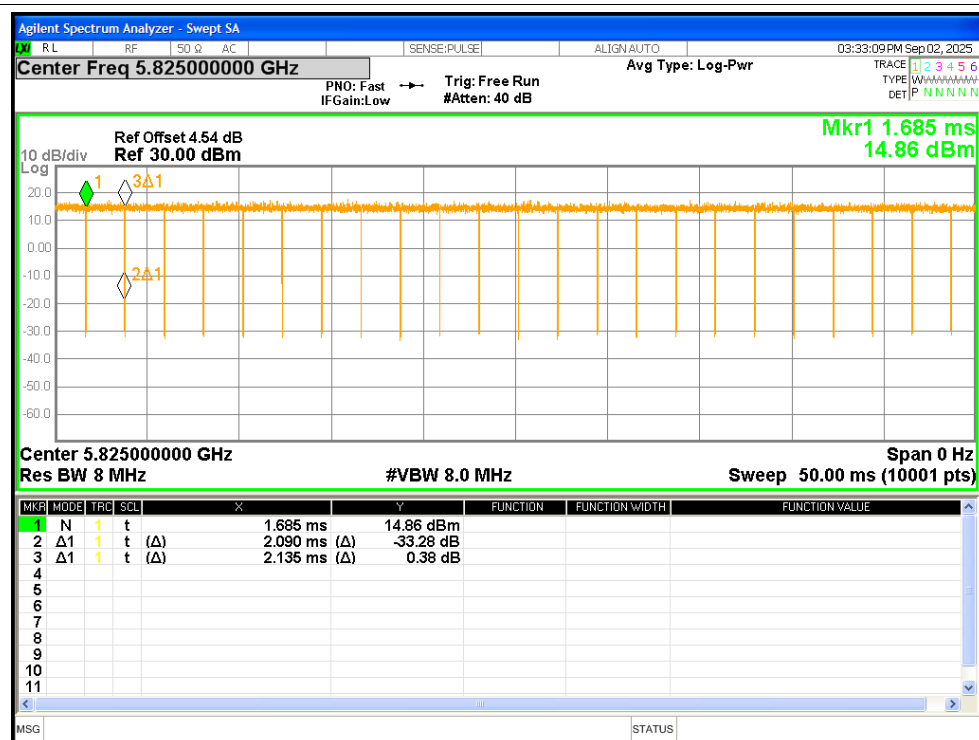
Duty Cycle NVNT a 5745MHz



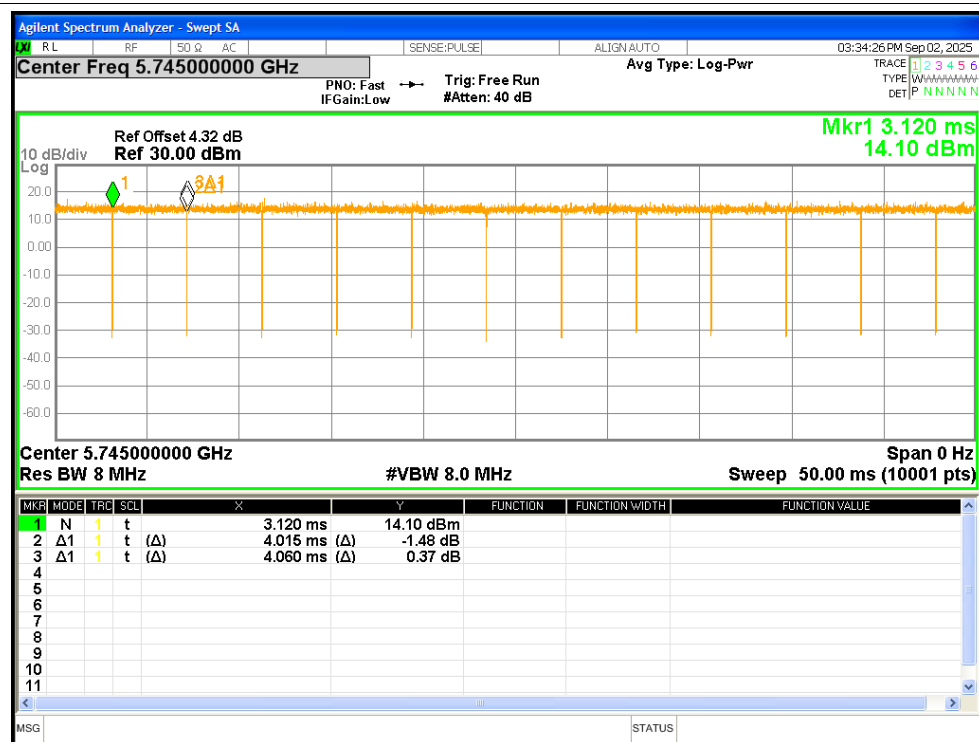
Agilent Spectrum Analyzer - Swept SA



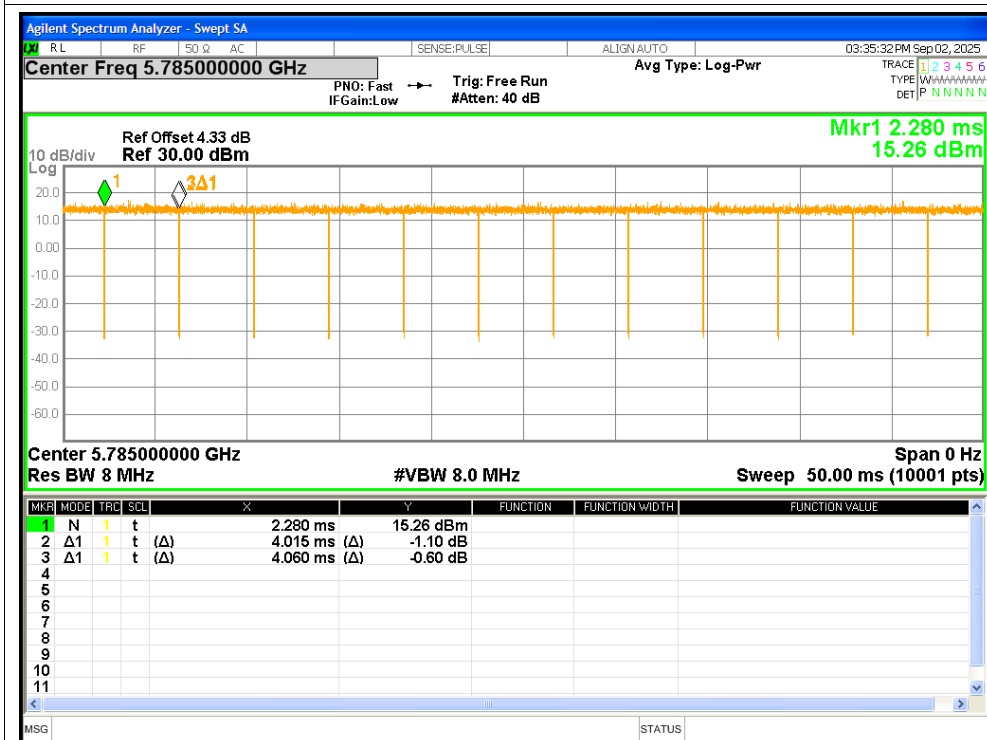
Duty Cycle NVNT a 5825MHz



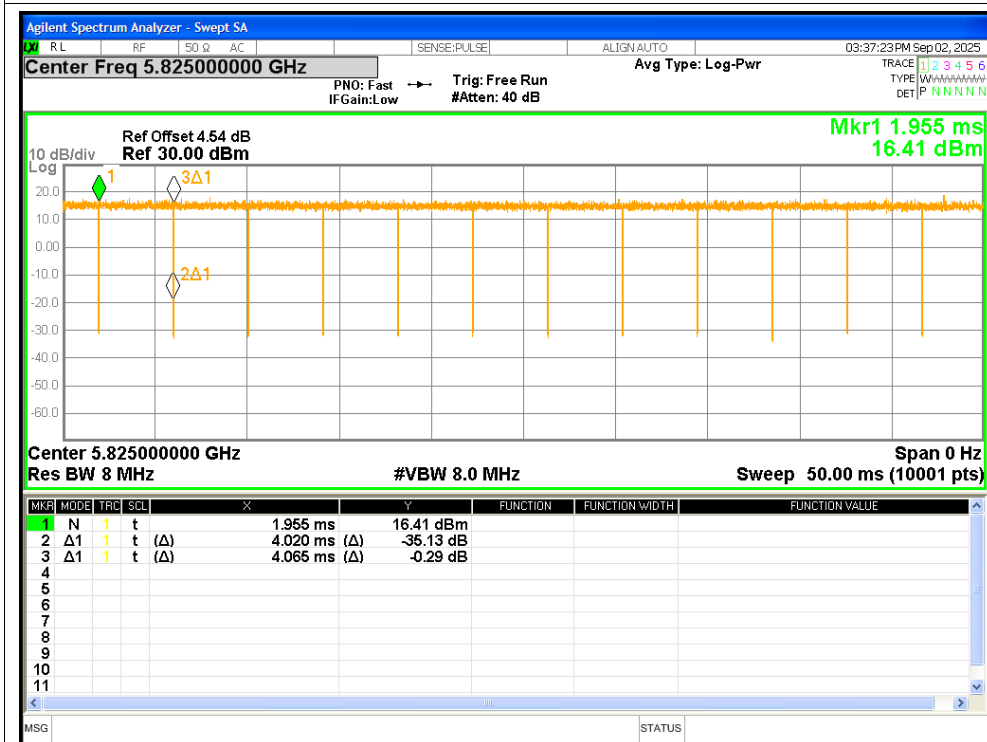
Duty Cycle NVNT n20 5745MHz



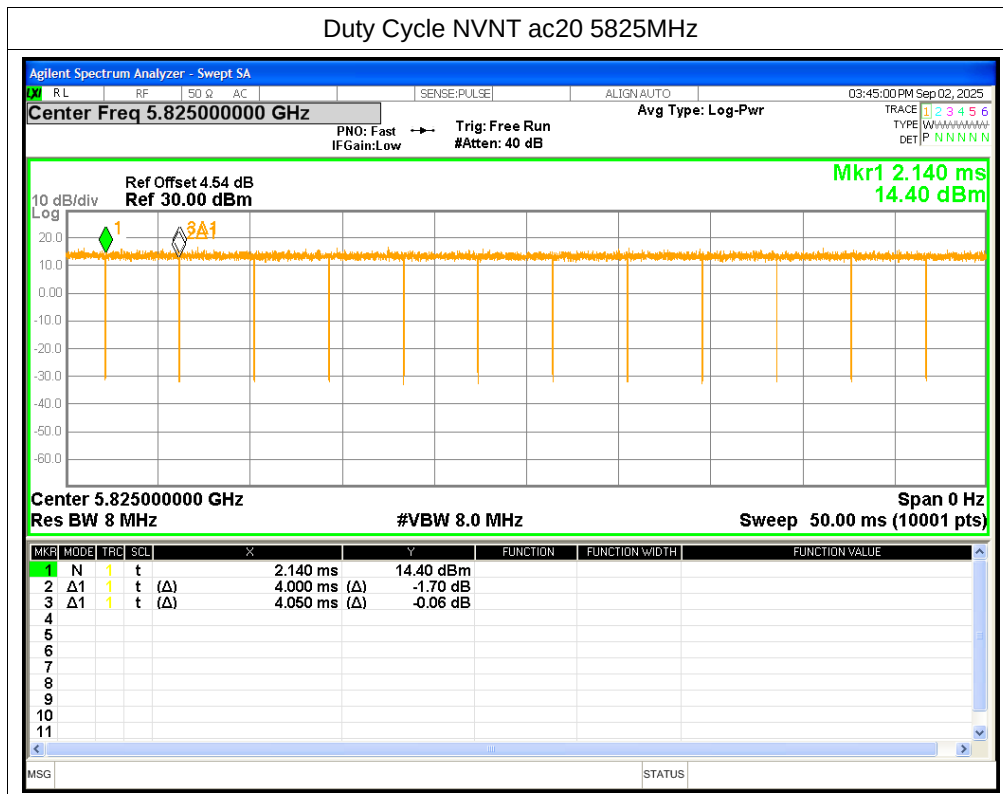
Duty Cycle NVNT n20 5785MHz



Duty Cycle NVNT n20 5825MHz



Duty Cycle NVNT ac20 5745MHz

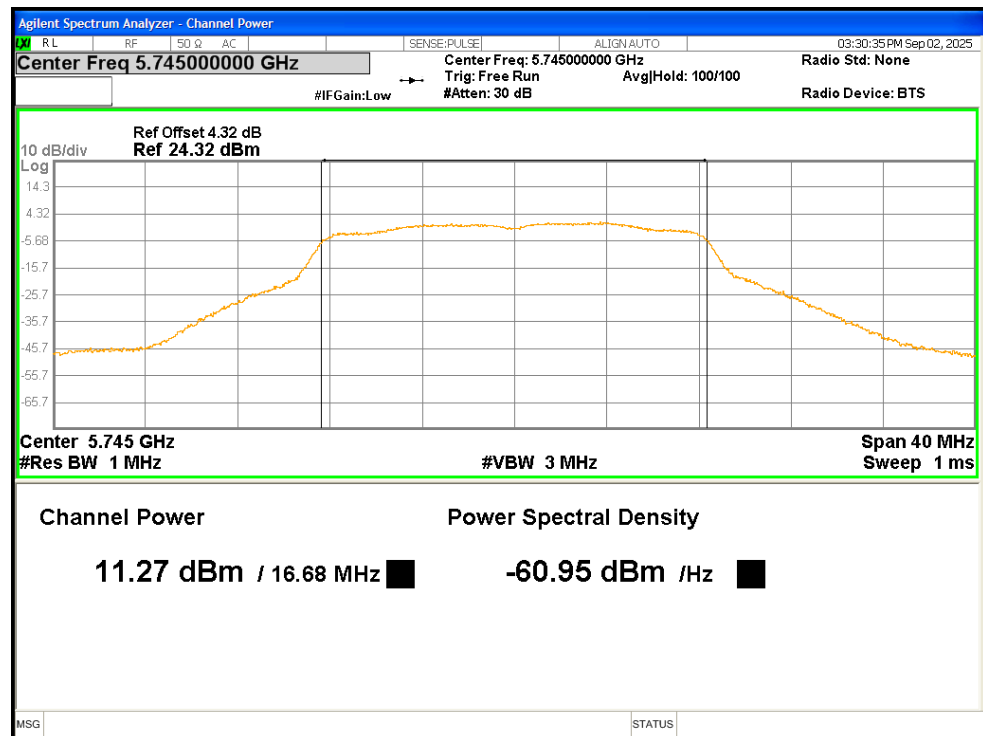


Maximum Conducted Output Power

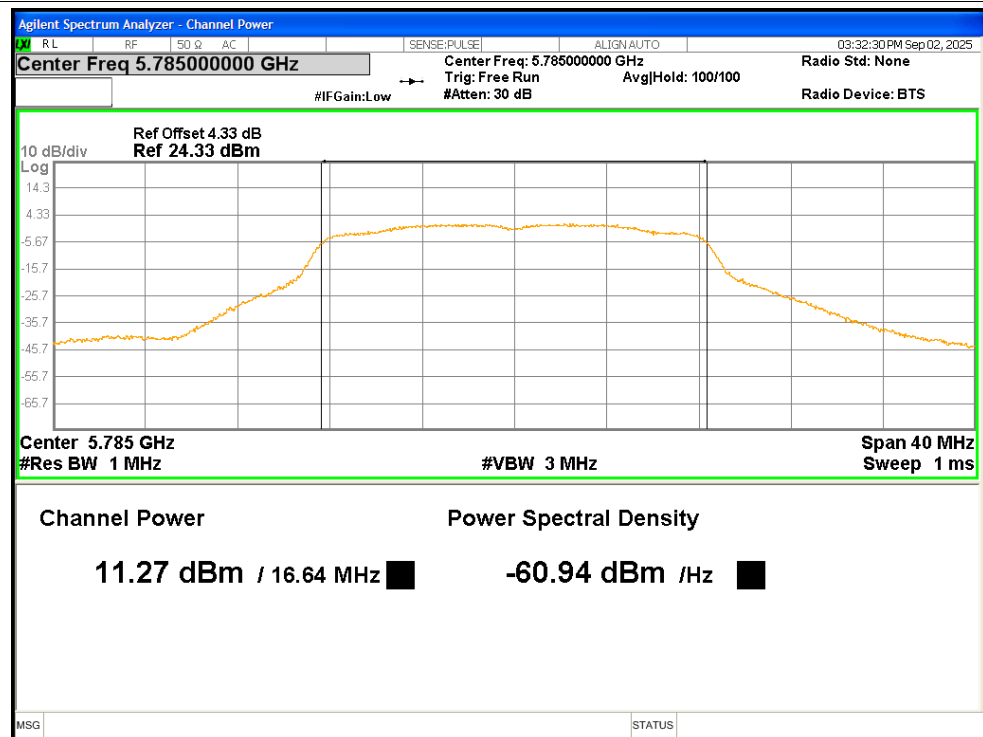
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	11.27	0.09	11.36	<=30	Pass
NVNT	a	5785	11.27	0.09	11.36	<=30	Pass
NVNT	a	5825	11.96	0.09	12.05	<=30	Pass
NVNT	n20	5745	11.21	-	11.21	<=30	Pass
NVNT	n20	5785	11.25	-	11.25	<=30	Pass
NVNT	n20	5825	12.43	-	12.43	<=30	Pass
NVNT	ac20	5745	10.96	-	10.96	<=30	Pass
NVNT	ac20	5785	11.08	-	11.08	<=30	Pass
NVNT	ac20	5825	11.65	-	11.65	<=30	Pass

Test Graphs

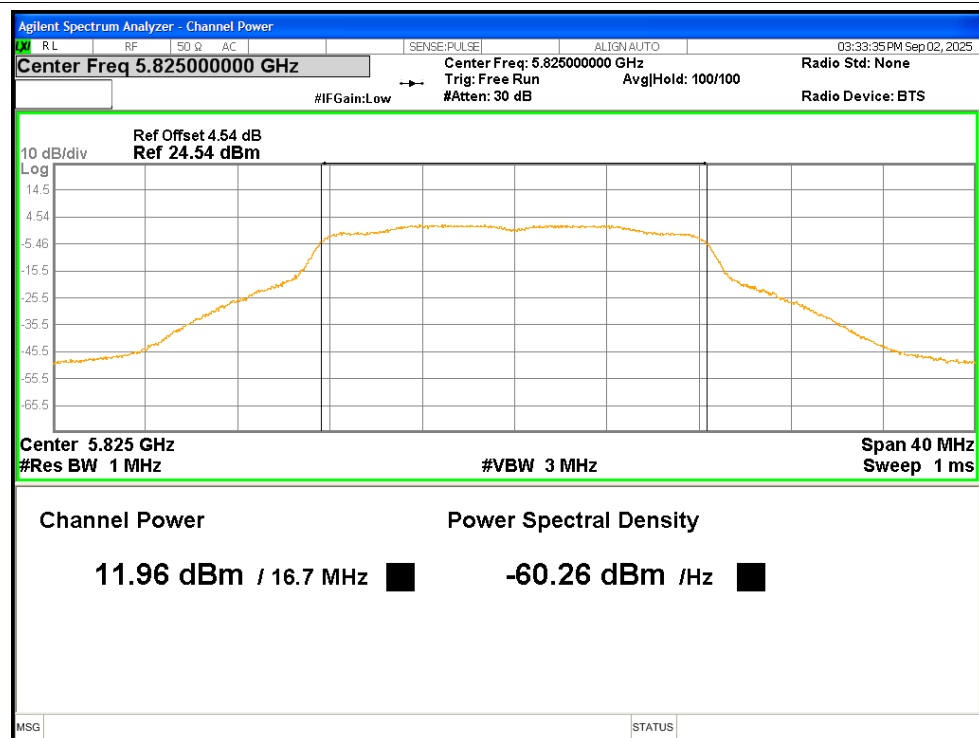
Power NVNT a 5745MHz



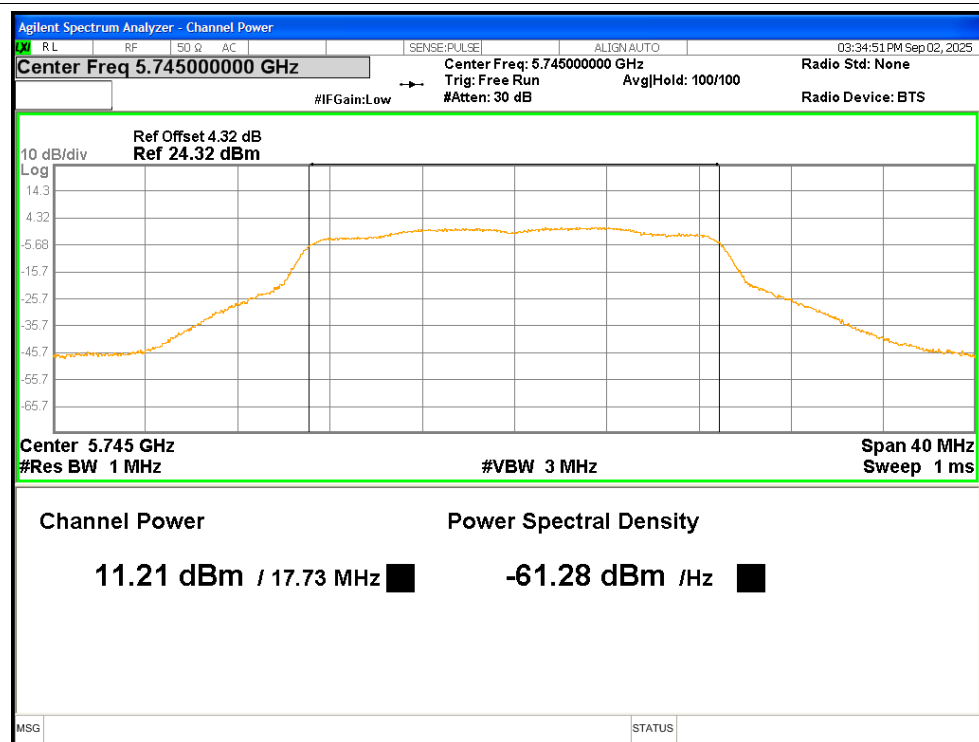
Power NVNT a 5785MHz



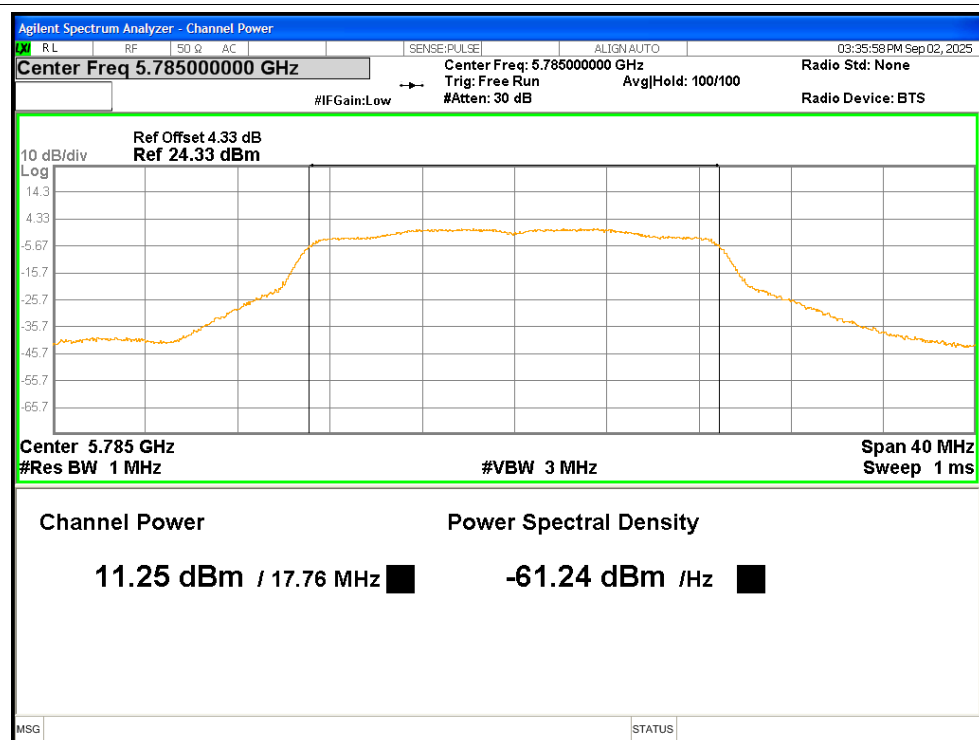
Power NVNT a 5825MHz



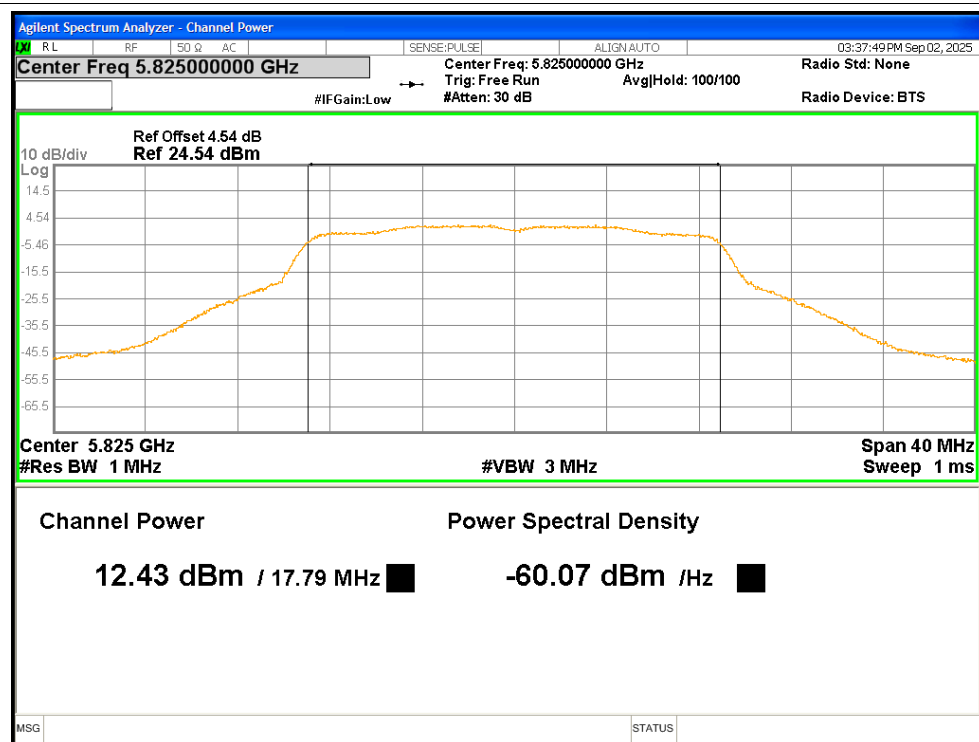
Power NVNT n20 5745MHz



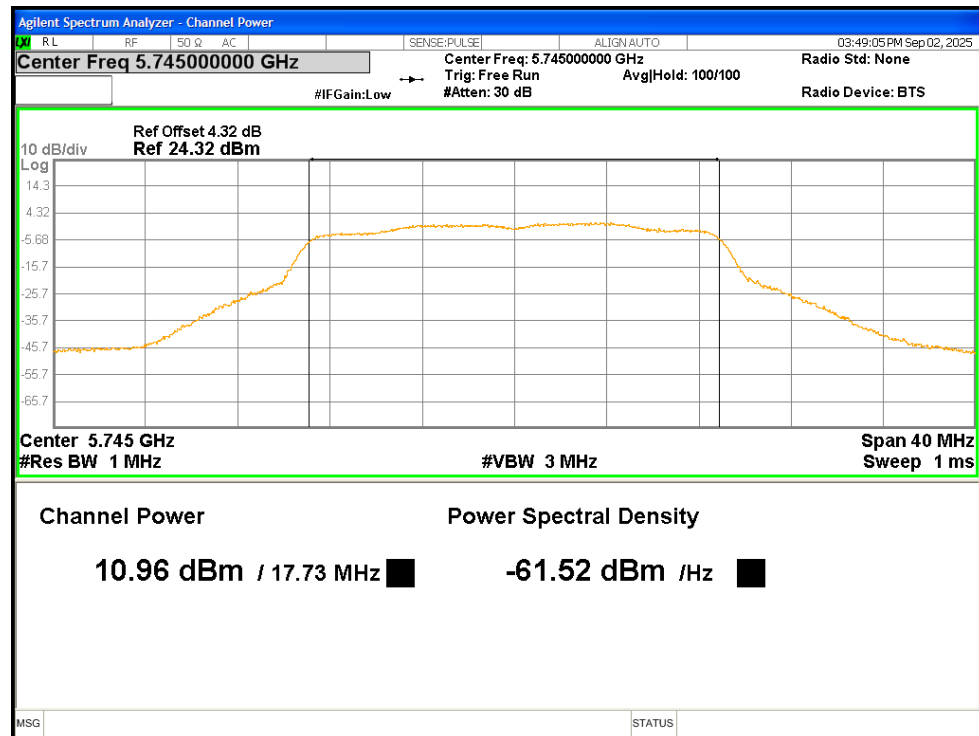
Power NVNT n20 5785MHz



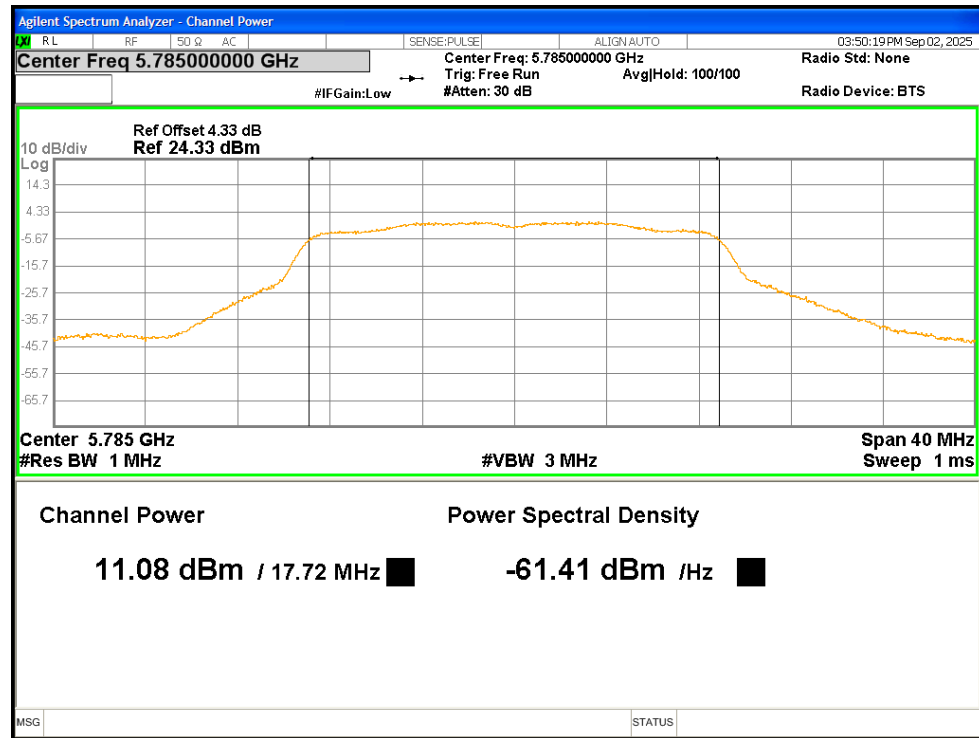
Power NVNT n20 5825MHz

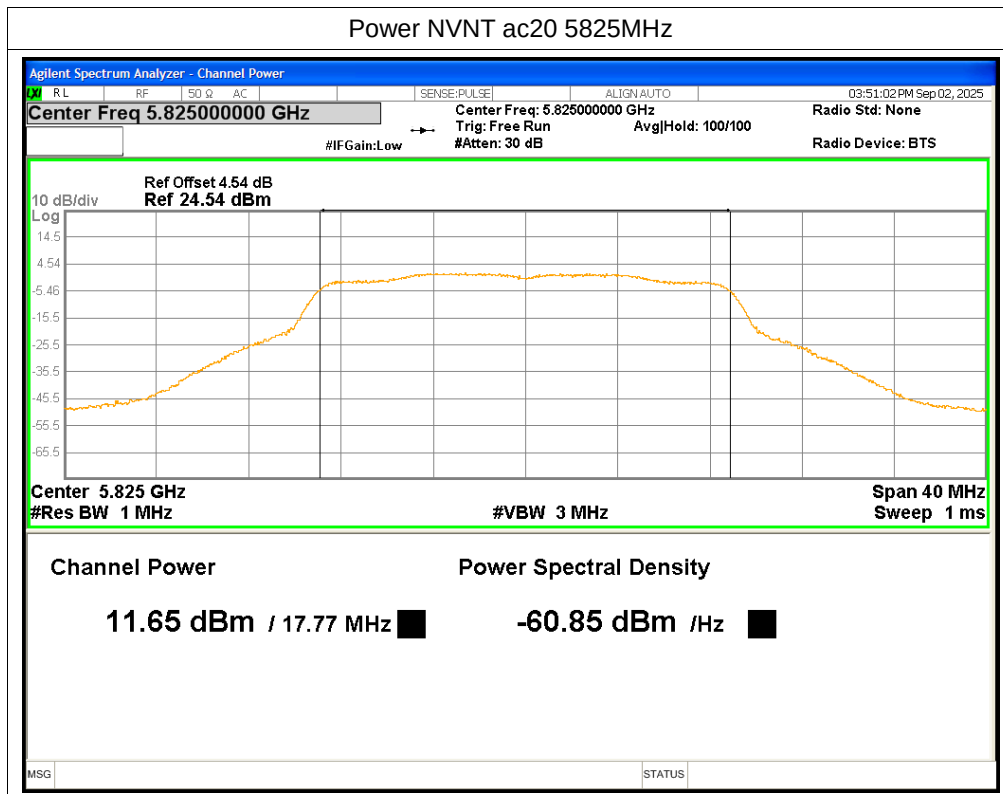


Power NVNT ac20 5745MHz



Power NVNT ac20 5785MHz



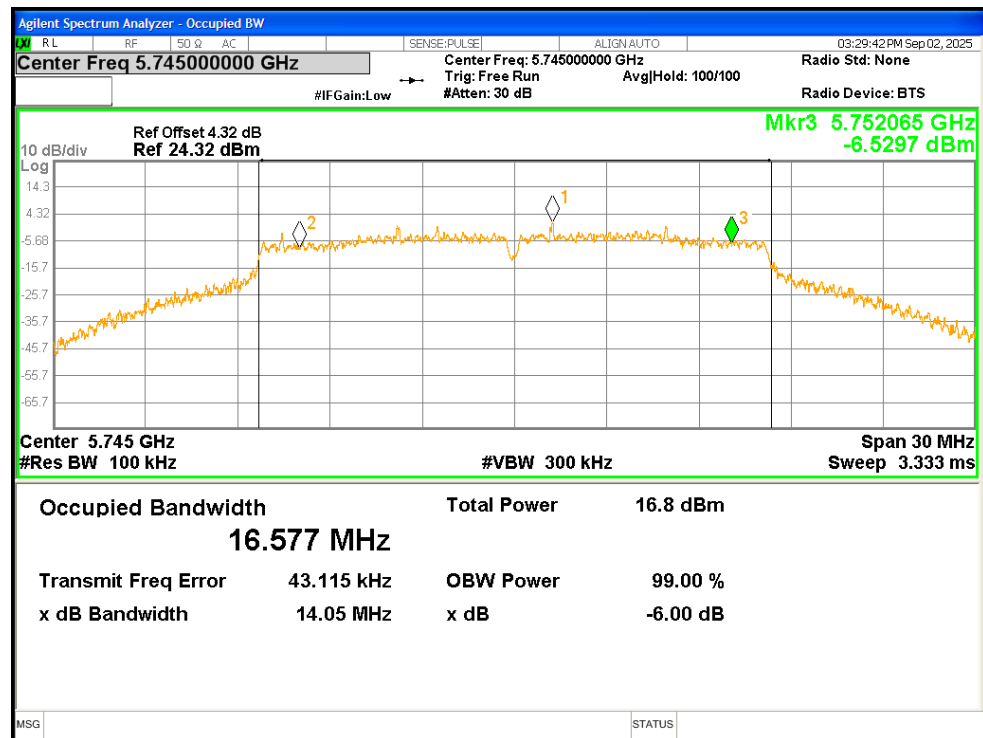


-6dB Bandwidth

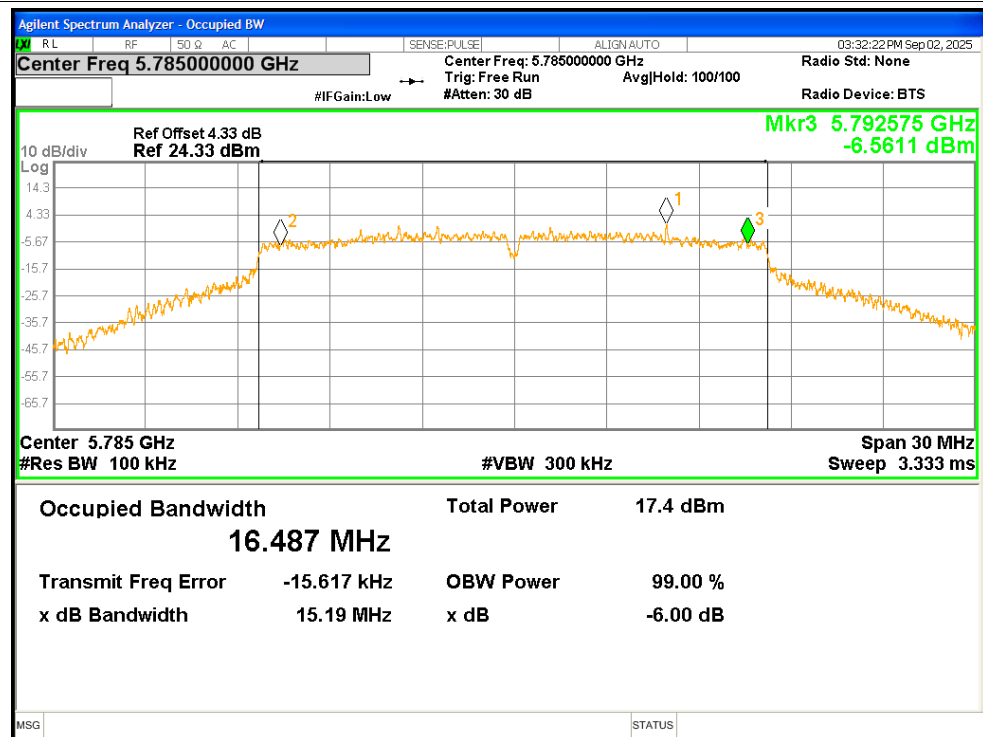
Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	14.05	≥ 0.5	Pass
NVNT	a	5785	15.19	≥ 0.5	Pass
NVNT	a	5825	15.03	≥ 0.5	Pass
NVNT	n20	5745	10.73	≥ 0.5	Pass
NVNT	n20	5785	13.8	≥ 0.5	Pass
NVNT	n20	5825	17.29	≥ 0.5	Pass
NVNT	ac20	5745	17.17	≥ 0.5	Pass
NVNT	ac20	5785	15.64	≥ 0.5	Pass
NVNT	ac20	5825	15.92	≥ 0.5	Pass

Test Graphs

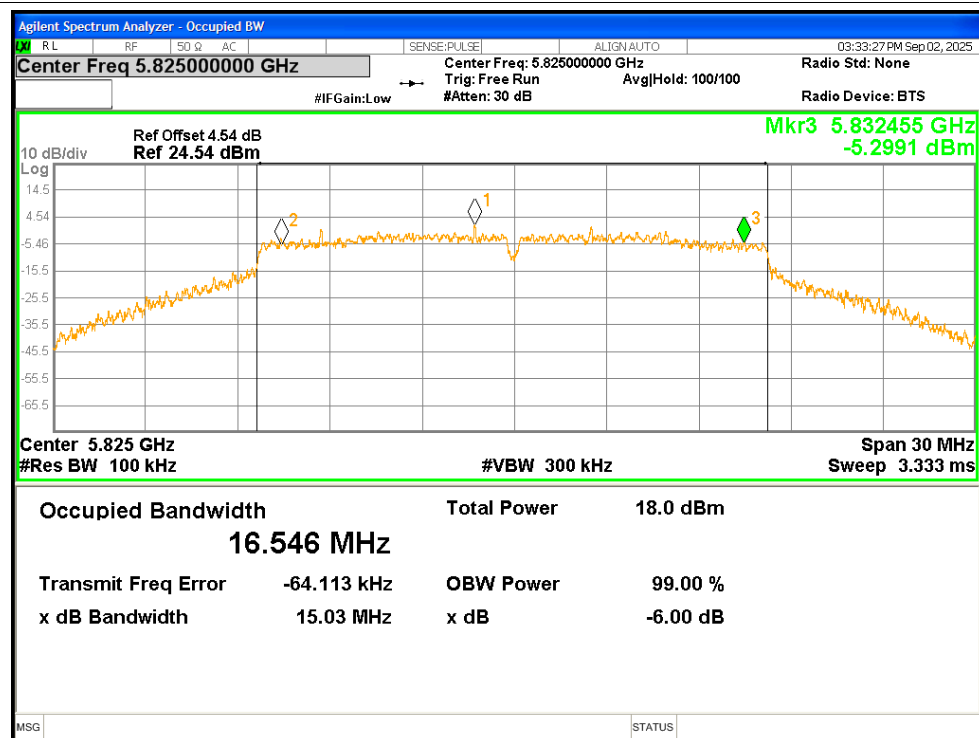
-6dB Bandwidth NVNT a 5745MHz



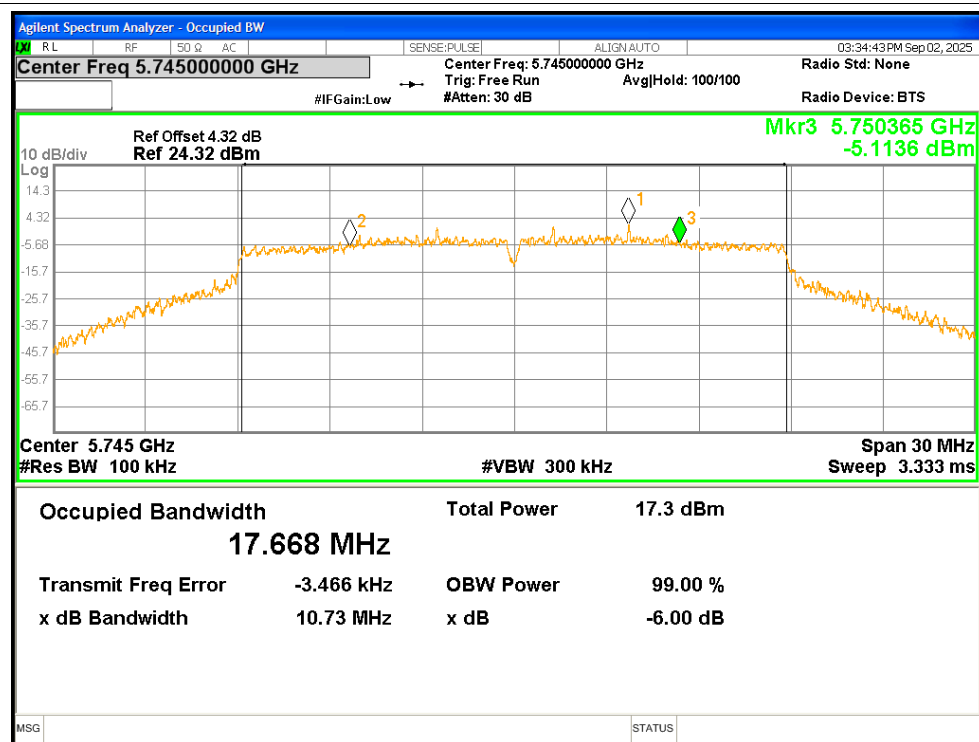
-6dB Bandwidth NVNT a 5785MHz



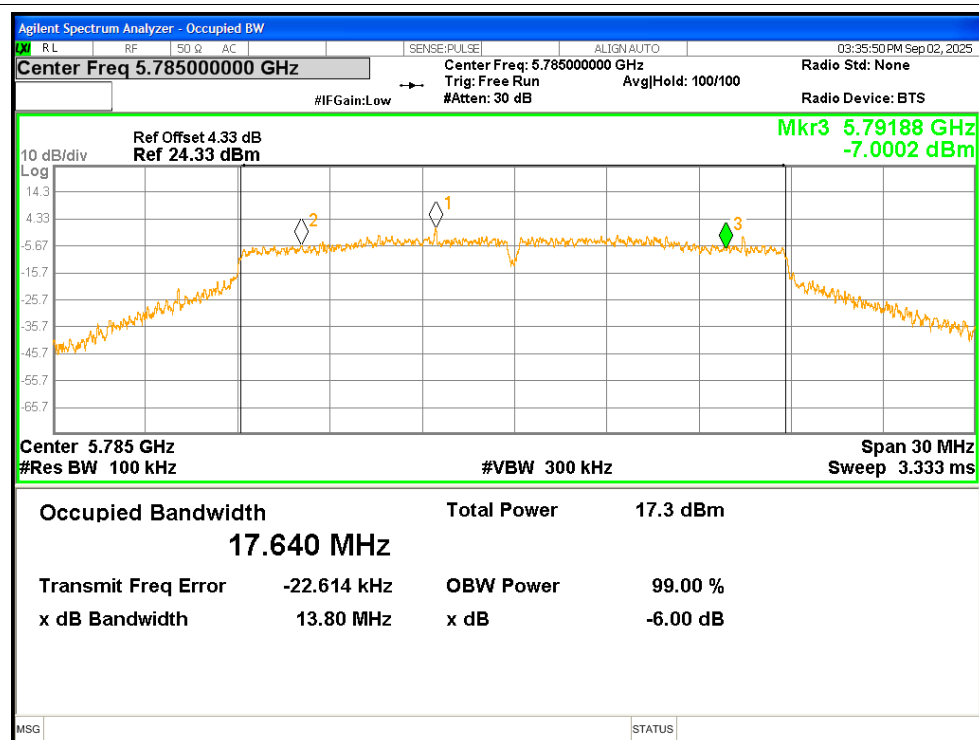
-6dB Bandwidth NVNT a 5825MHz



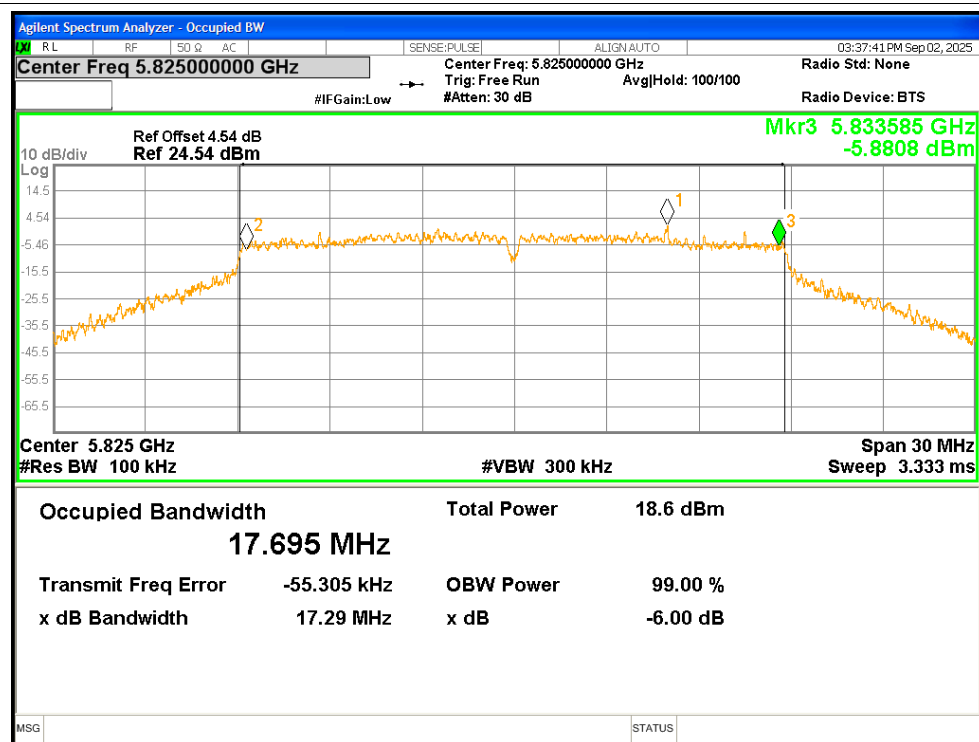
-6dB Bandwidth NVNT n20 5745MHz



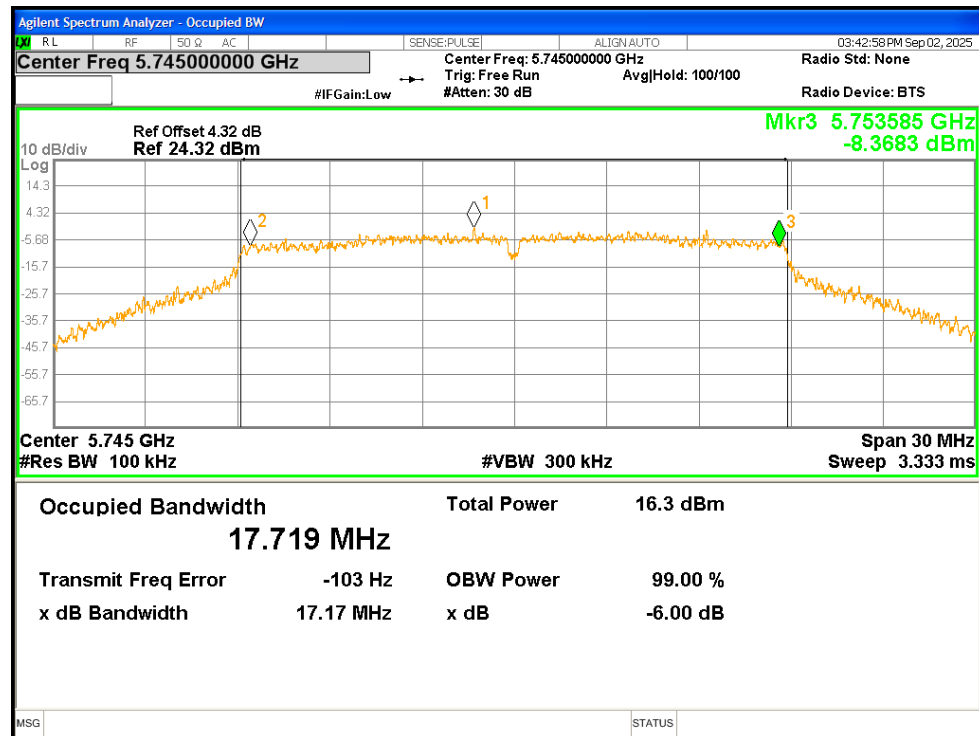
-6dB Bandwidth NVNT n20 5785MHz



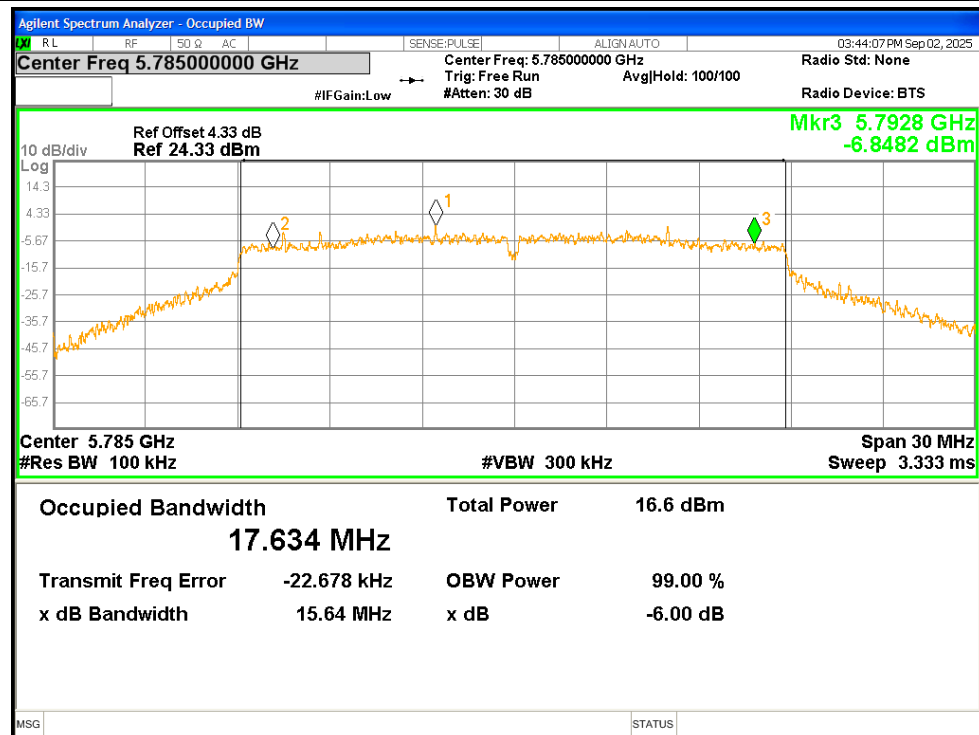
-6dB Bandwidth NVNT n20 5825MHz

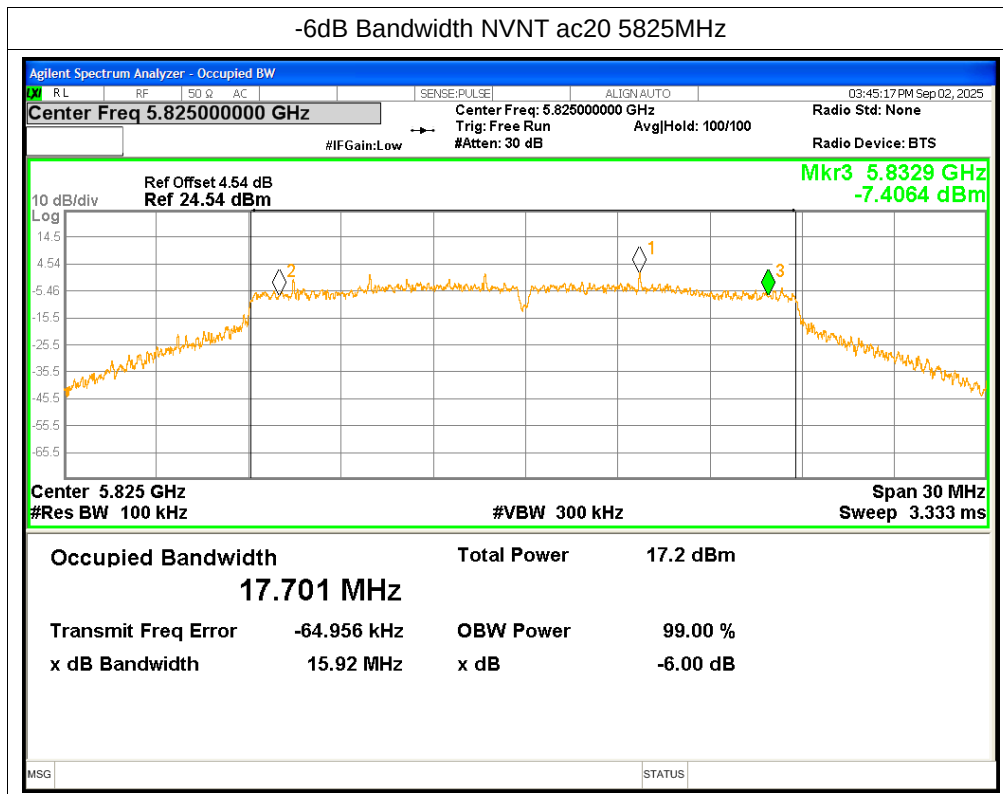


-6dB Bandwidth NVNT ac20 5745MHz



-6dB Bandwidth NVNT ac20 5785MHz



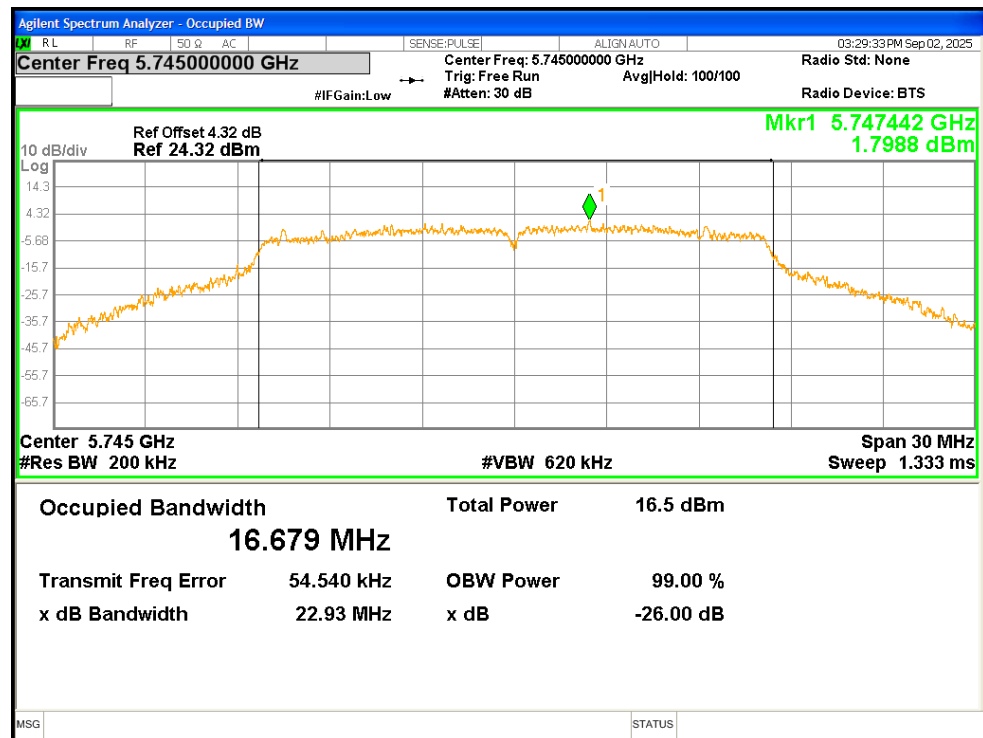


Occupied Channel Bandwidth

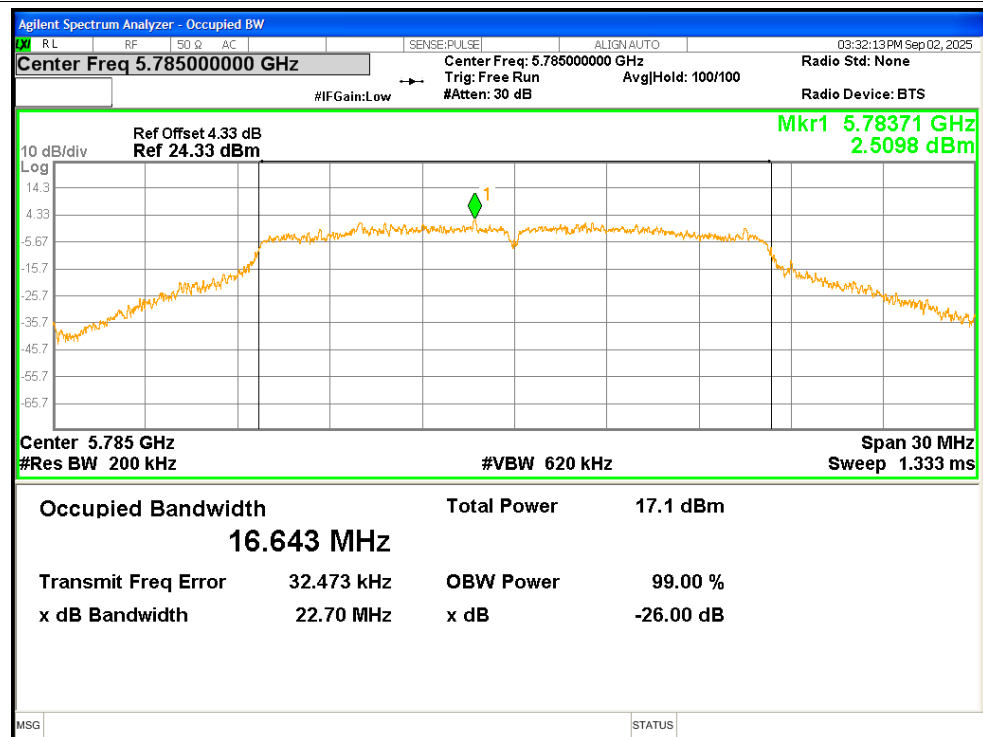
Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5745	16.679
NVNT	a	5785	16.643
NVNT	a	5825	16.699
NVNT	n20	5745	17.729
NVNT	n20	5785	17.761
NVNT	n20	5825	17.787
NVNT	ac20	5745	17.731
NVNT	ac20	5785	17.717
NVNT	ac20	5825	17.768

Test Graphs

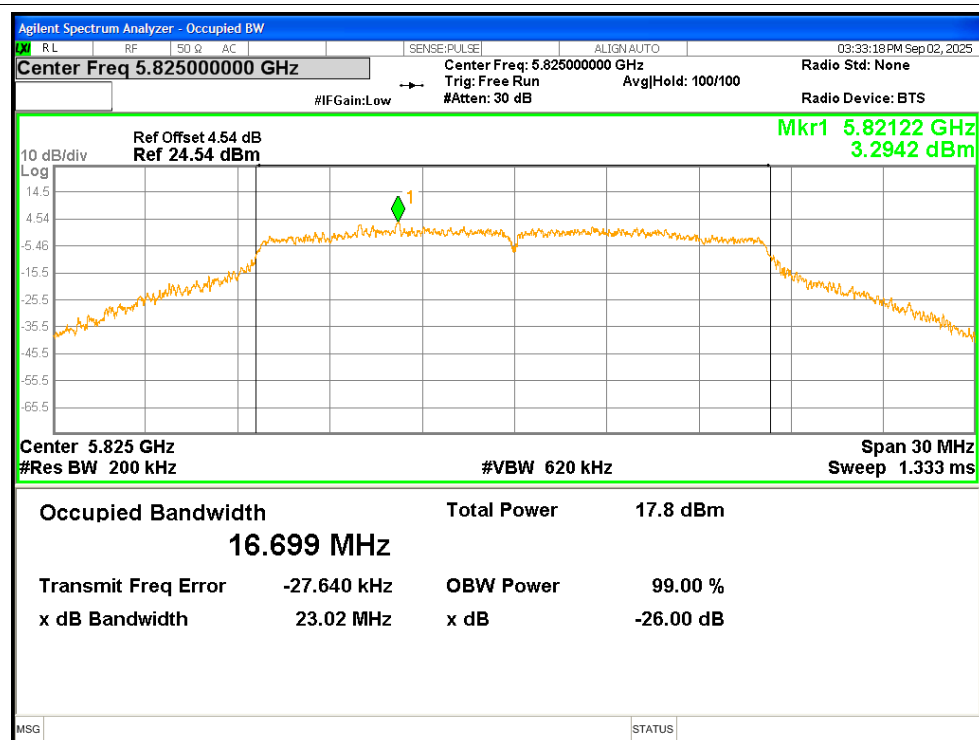
OBW NVNT a 5745MHz



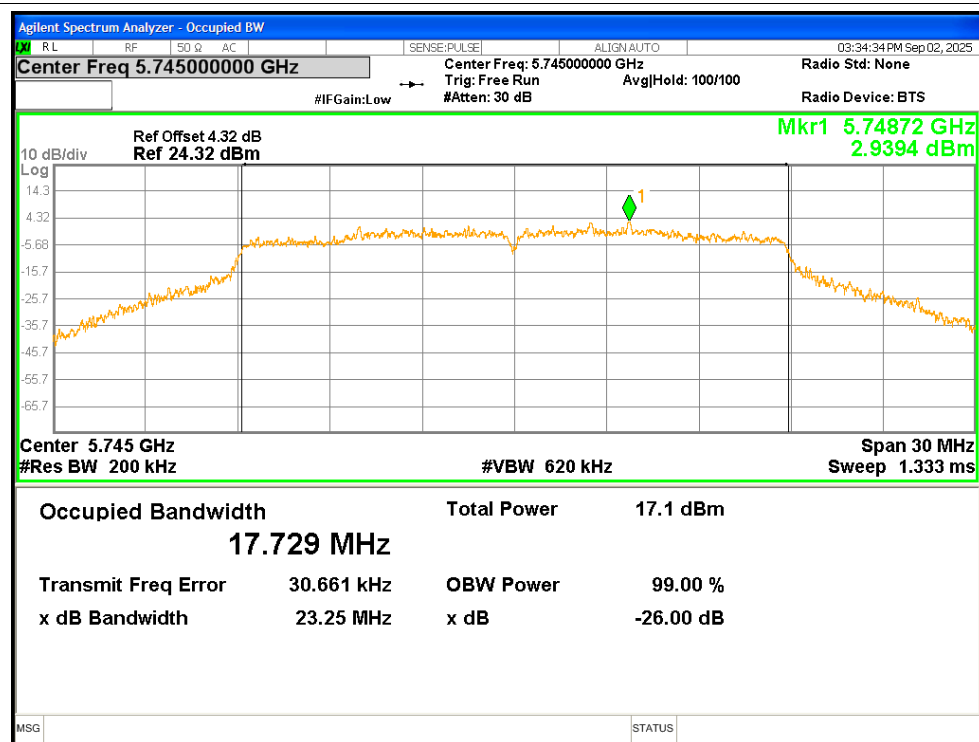
OBW NVNT a 5785MHz



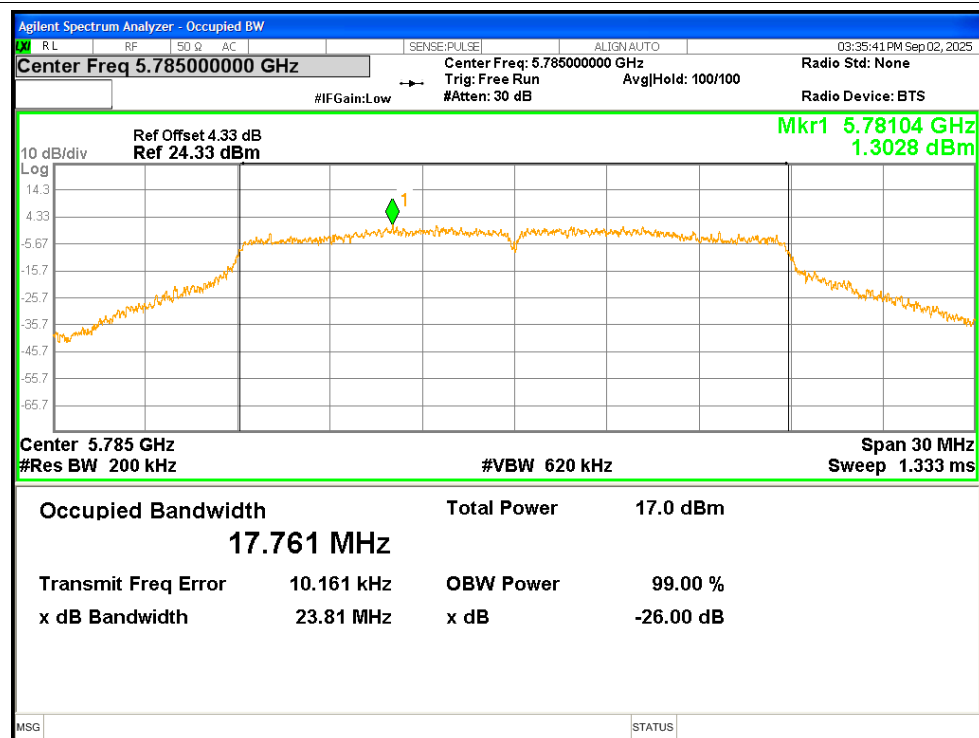
OBW NVNT a 5825MHz



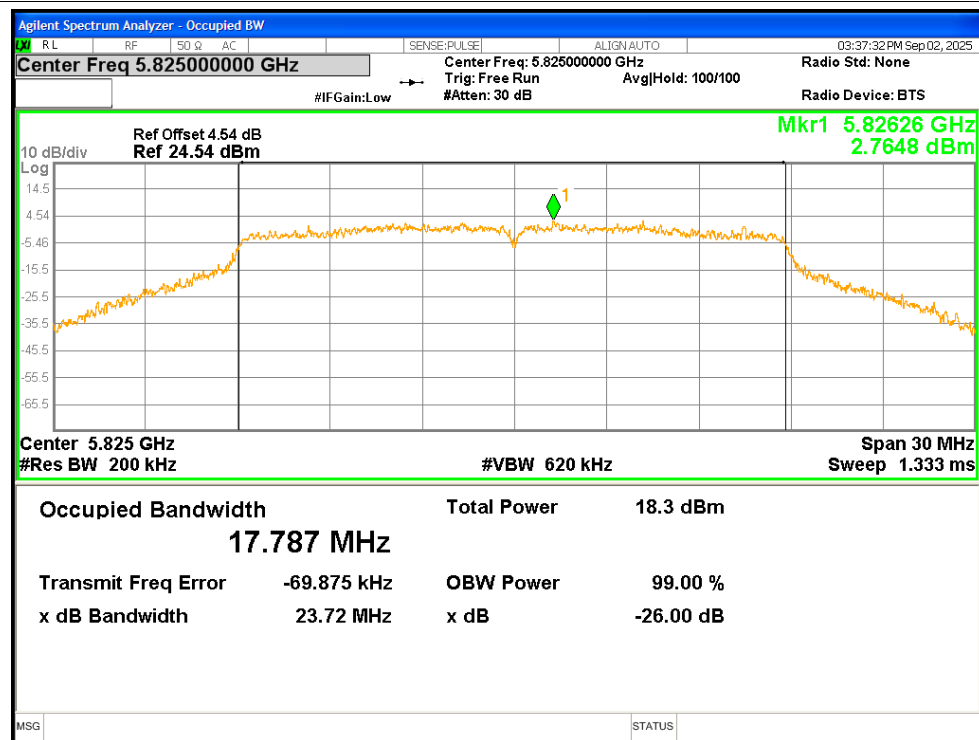
OBW NVNT n20 5745MHz



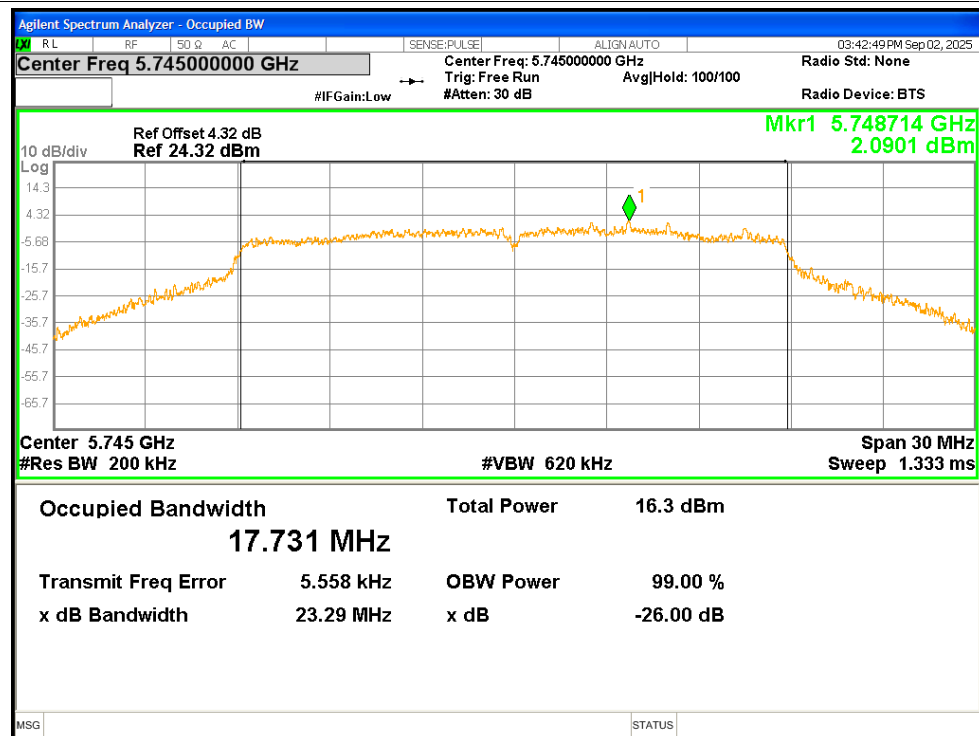
OBW NVNT n20 5785MHz



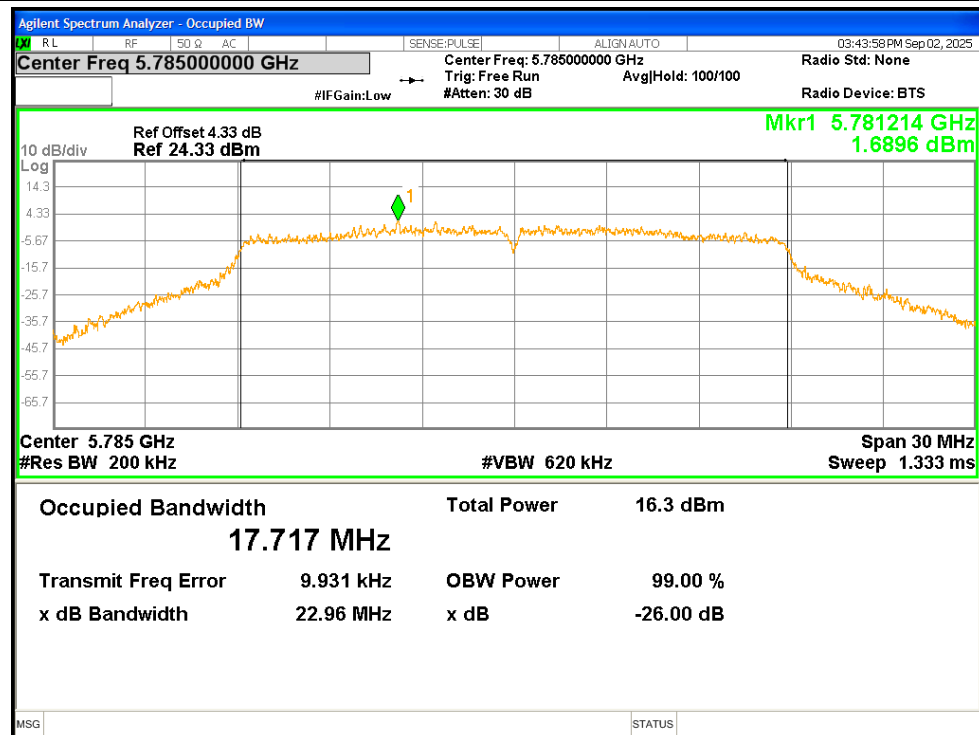
OBW NVNT n20 5825MHz

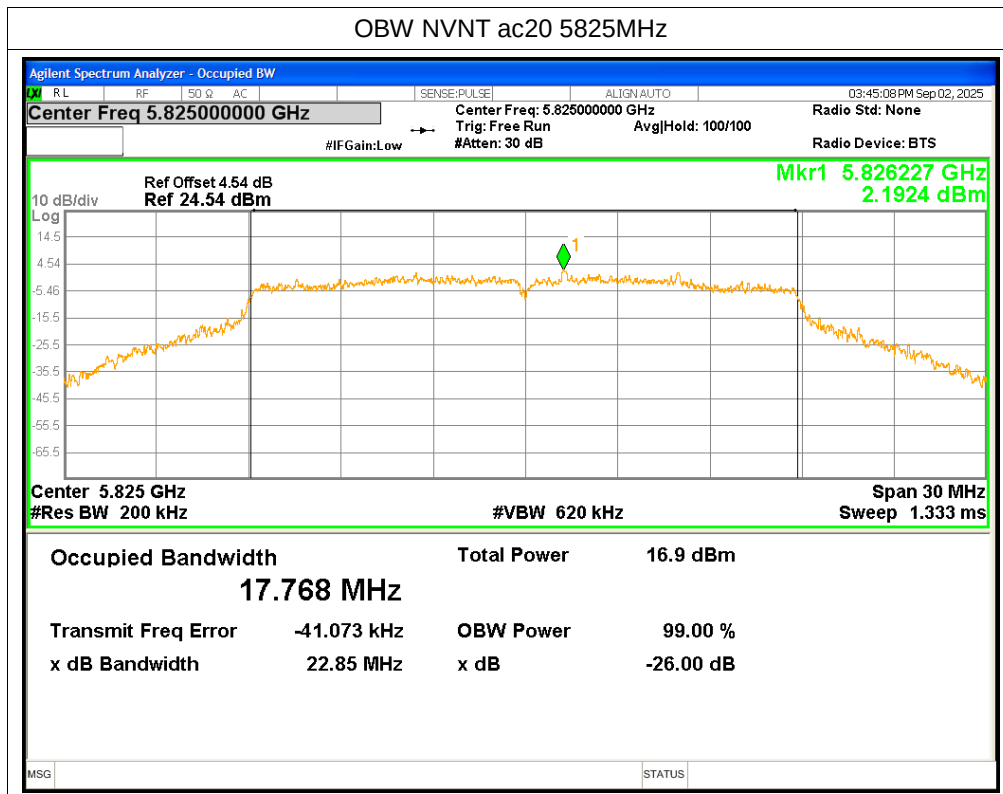


OBW NVNT ac20 5745MHz



OBW NVNT ac20 5785MHz





Maximum Power Spectral Density Level

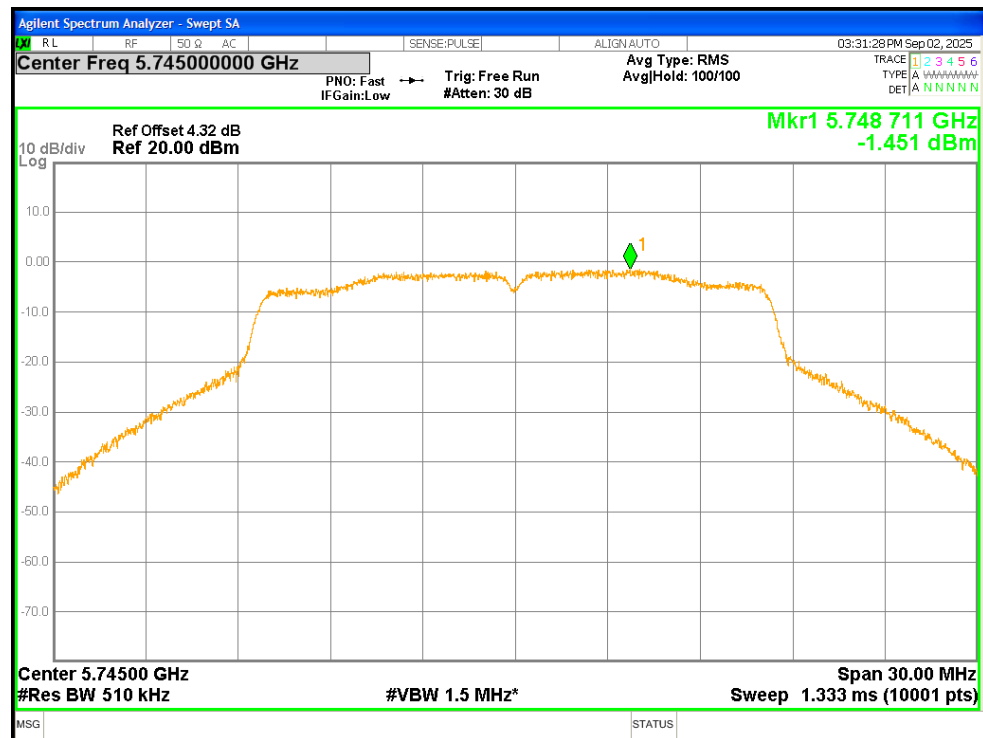
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/510kHz)	Duty Factor (dB)	Total PSD (dBm/510kHz)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	-1.451	0.09	-1.361	-1.447	<=30	Pass
NVNT	a	5785	-1.364	0.09	-1.274	-1.36	<=30	Pass
NVNT	a	5825	-0.921	0.09	-0.831	-0.917	<=30	Pass
NVNT	n20	5745	-1.735	-	-1.735	-1.821	<=30	Pass
NVNT	n20	5785	-1.862	-	-1.862	-1.948	<=30	Pass
NVNT	n20	5825	-0.406	-	-0.406	-0.492	<=30	Pass
NVNT	ac20	5745	-1.916	-	-1.916	-2.002	<=30	Pass
NVNT	ac20	5785	-1.539	-	-1.539	-1.625	<=30	Pass
NVNT	ac20	5825	-1.437	-	-1.437	-1.523	<=30	Pass

Note:

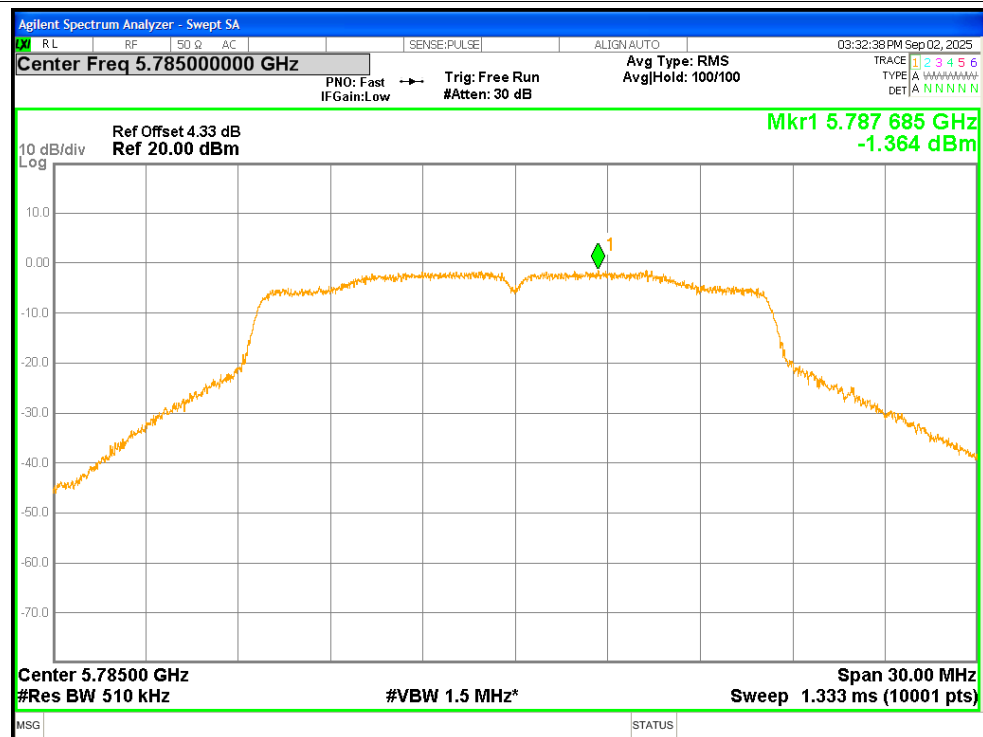
1. Total PSD(dBm/500KHz) = Total PSD(dBm/510KHz) + RBW Factor
2. RBW Factor = $10 * \log(500/510)$

Test Graphs

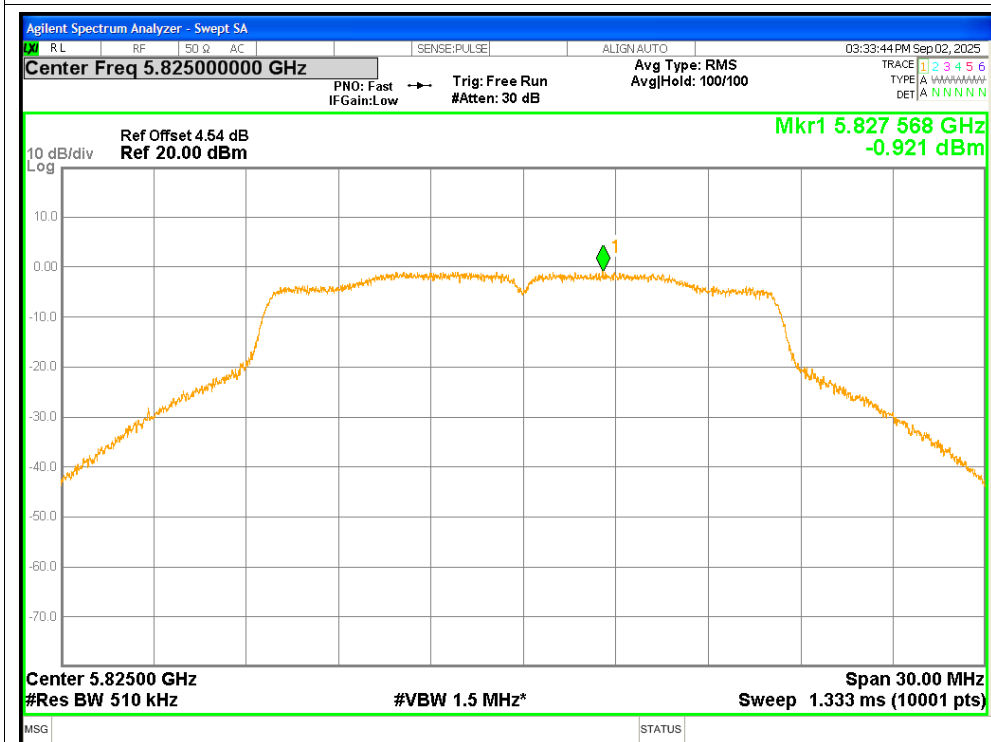
PSD NVNT a 5745MHz



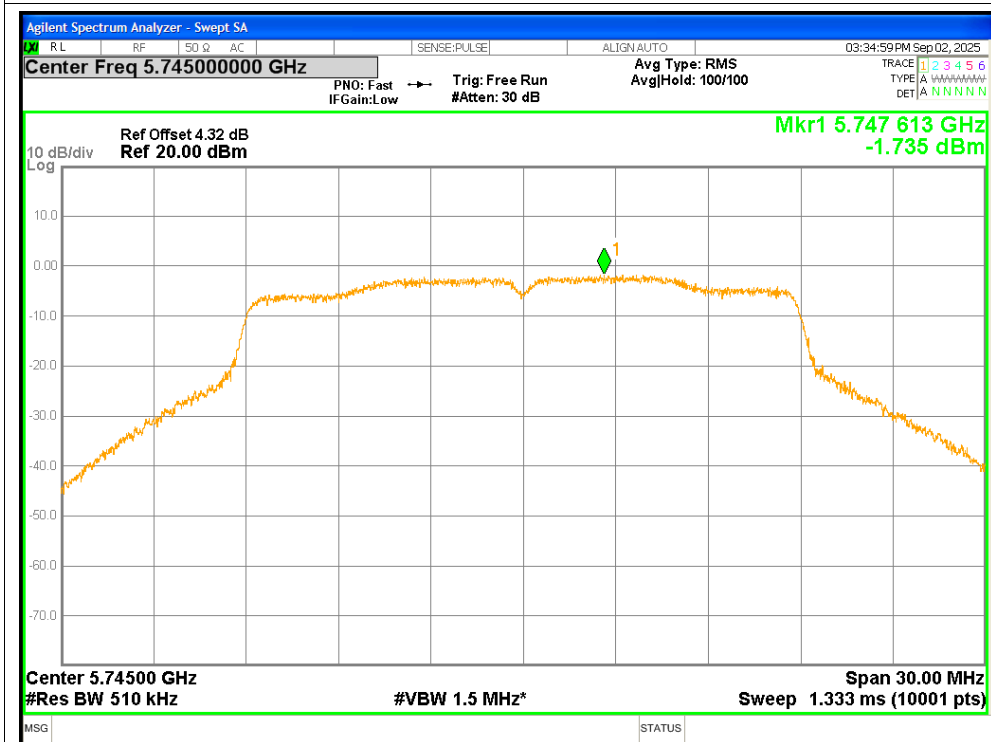
PSD NVNT a 5785MHz



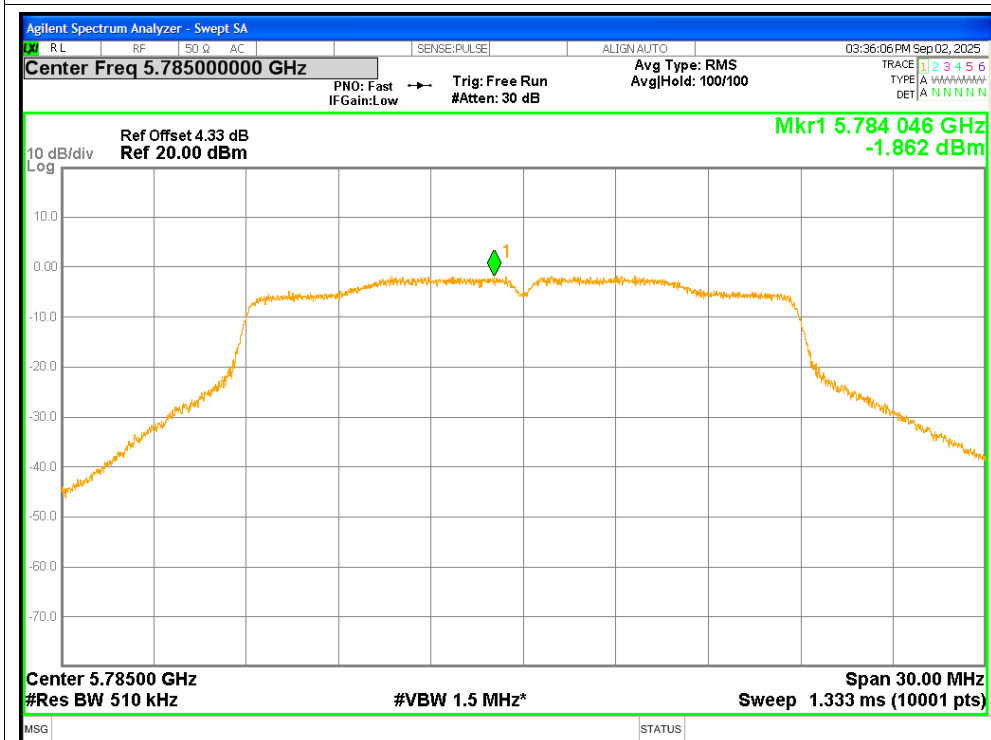
PSD NVNT a 5825MHz



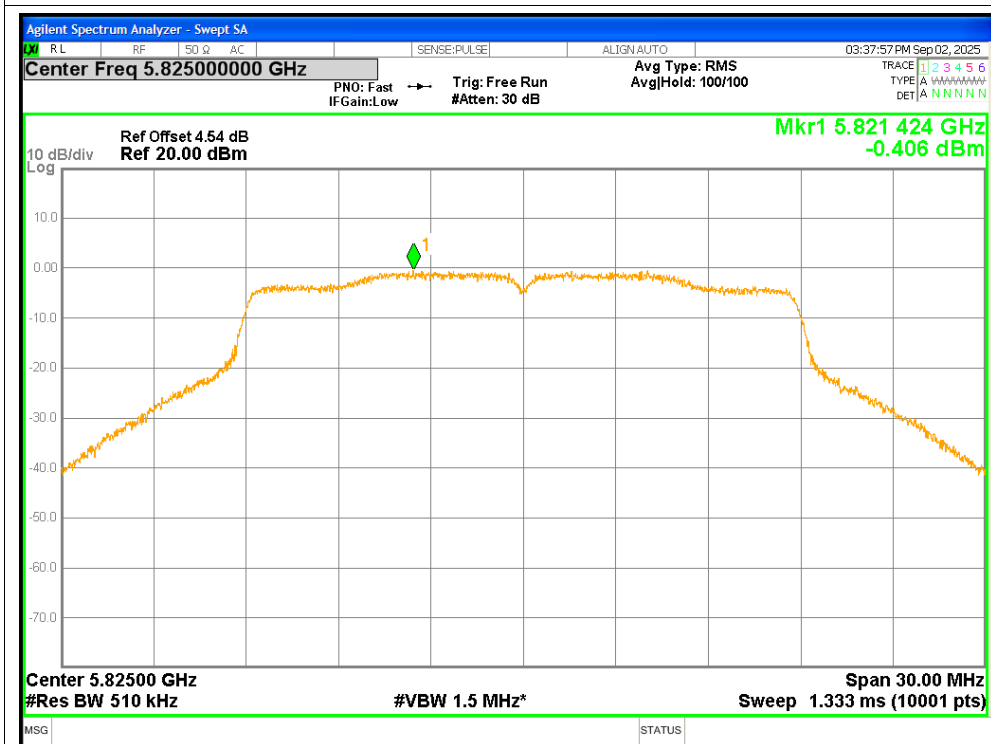
PSD NVNT n20 5745MHz



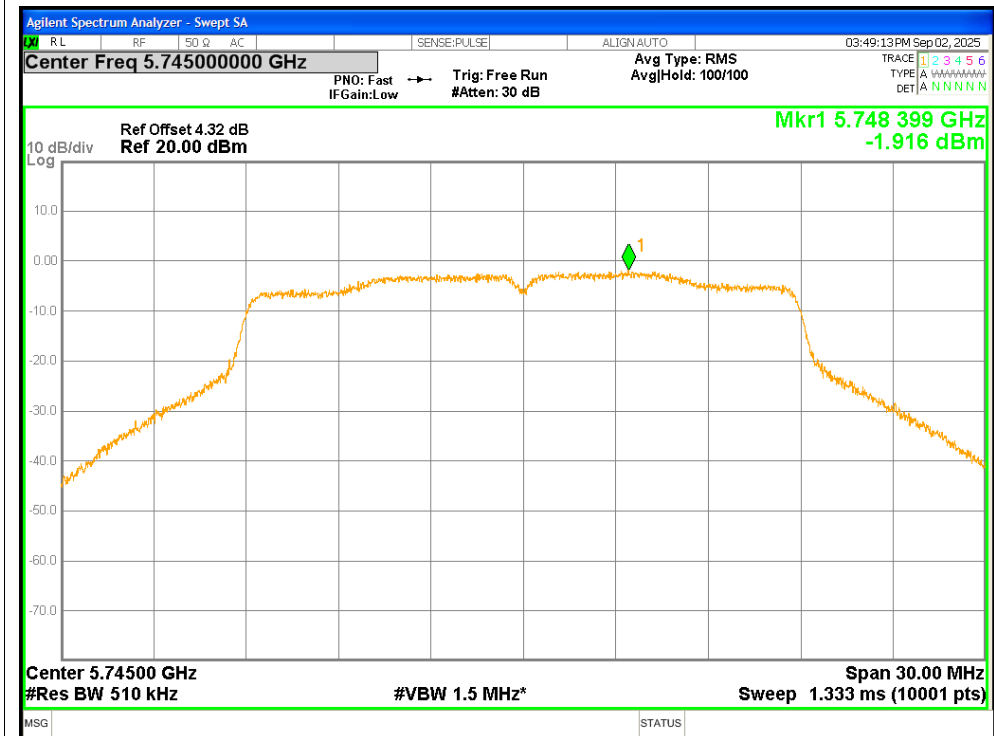
PSD NVNT n20 5785MHz



PSD NVNT n20 5825MHz



PSD NVNT ac20 5745MHz



PSD NVNT ac20 5785MHz

