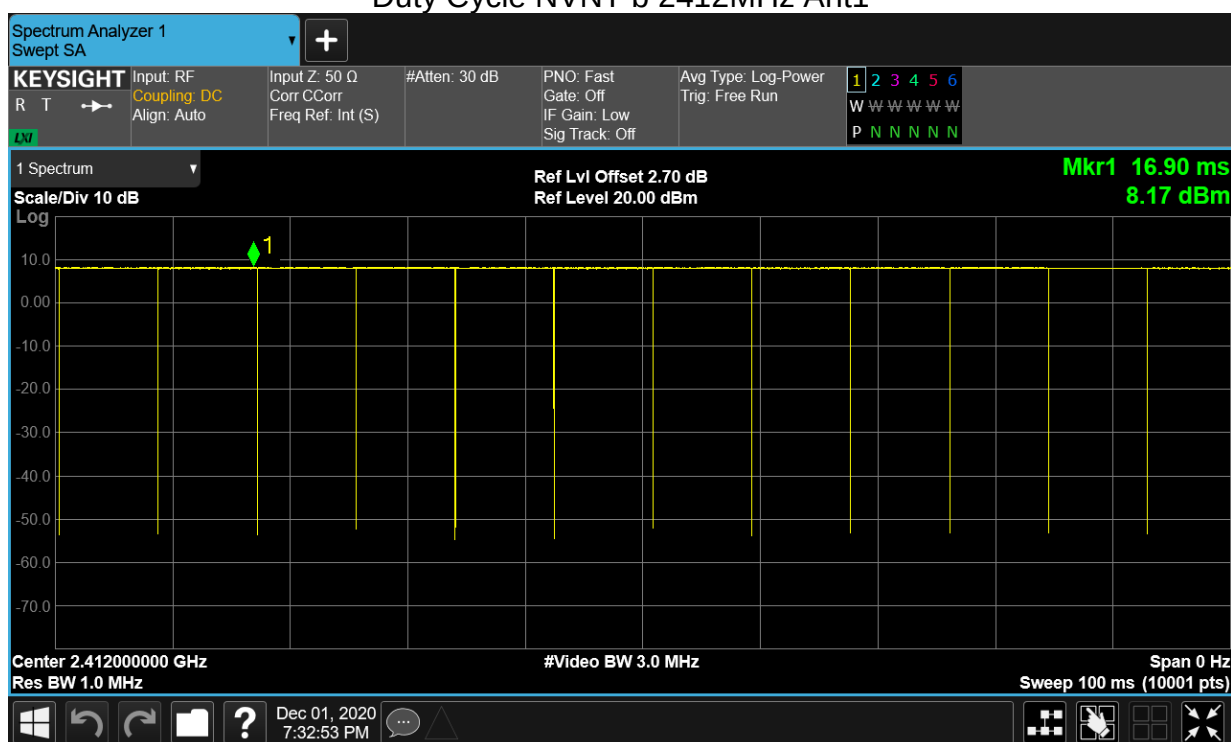


Appendix A - WIFI Test Data

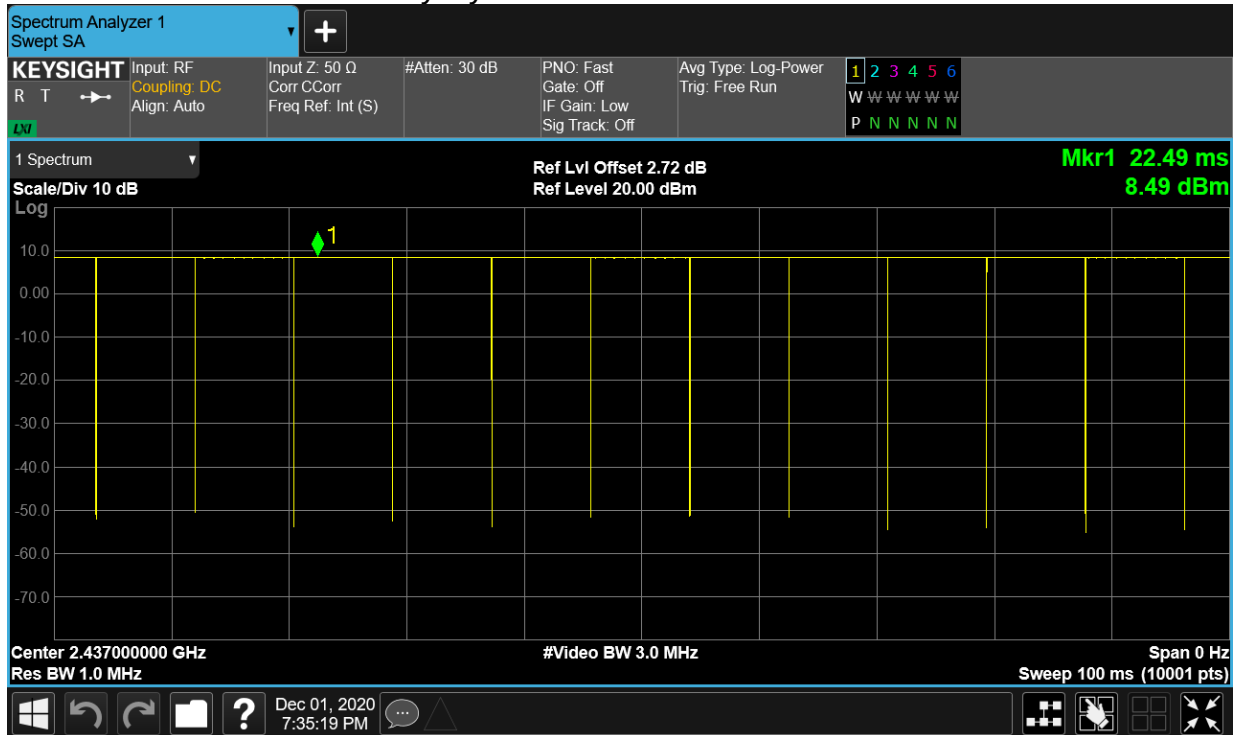
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	99.76	0.01
NVNT	b	2437	Ant1	99.75	0.01
NVNT	b	2462	Ant1	99.71	0.01
NVNT	g	2412	Ant1	98.7	0.06
NVNT	g	2437	Ant1	98.64	0.06
NVNT	g	2462	Ant1	98.64	0.06
NVNT	n20	2412	Ant1	98.44	0.07
NVNT	n20	2437	Ant1	98.49	0.07
NVNT	n20	2462	Ant1	98.43	0.07

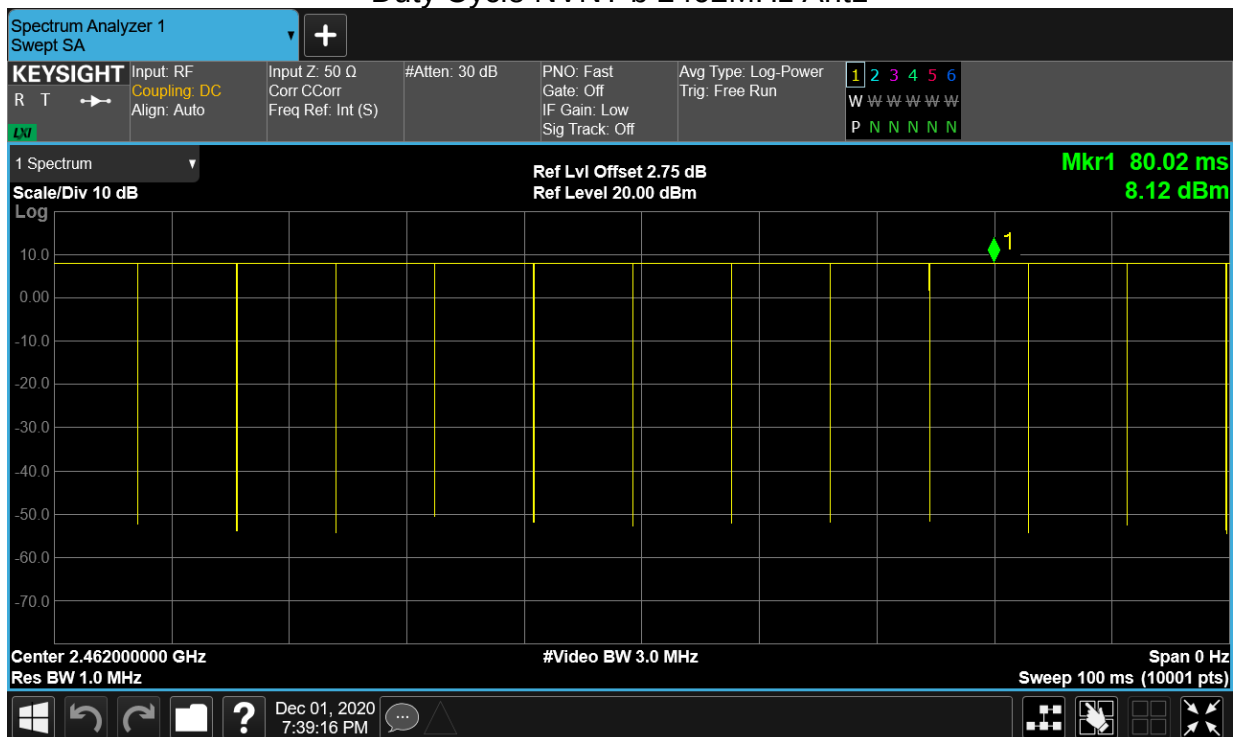
Duty Cycle NVNT b 2412MHz Ant1



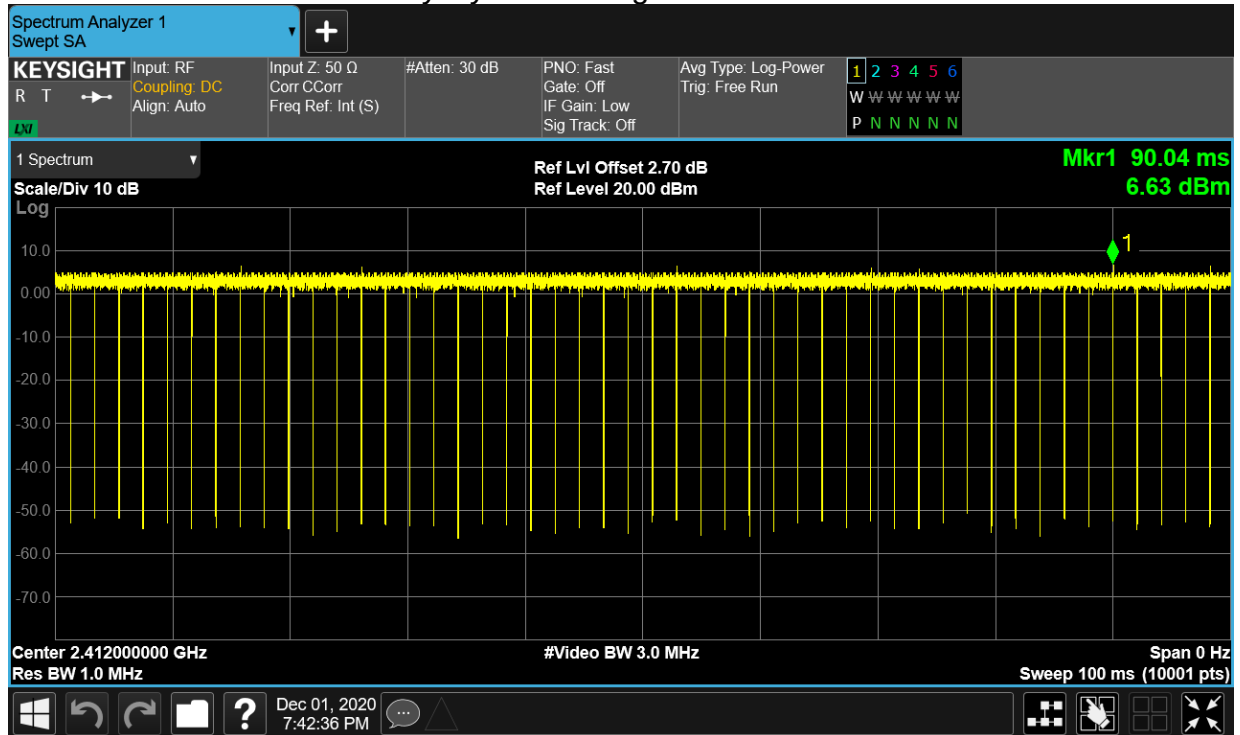
Duty Cycle NVNT b 2437MHz Ant1



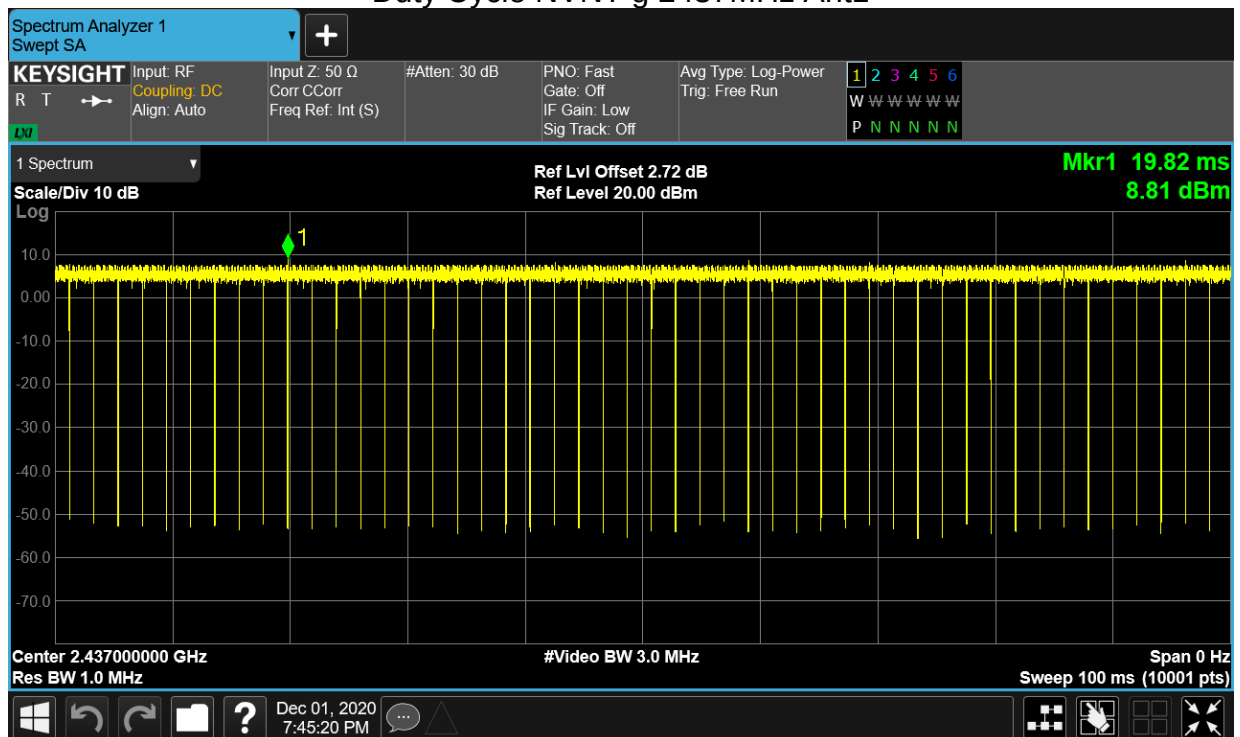
Duty Cycle NVNT b 2462MHz Ant1



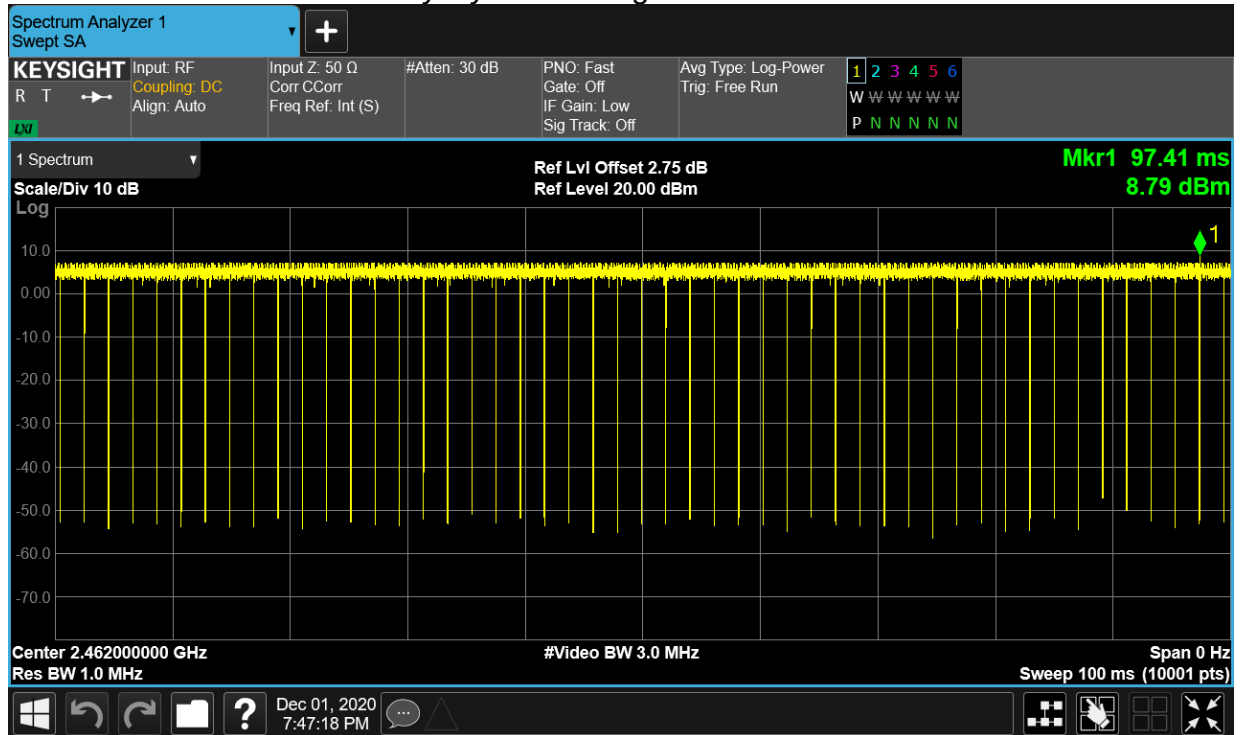
Duty Cycle NVNT g 2412MHz Ant1



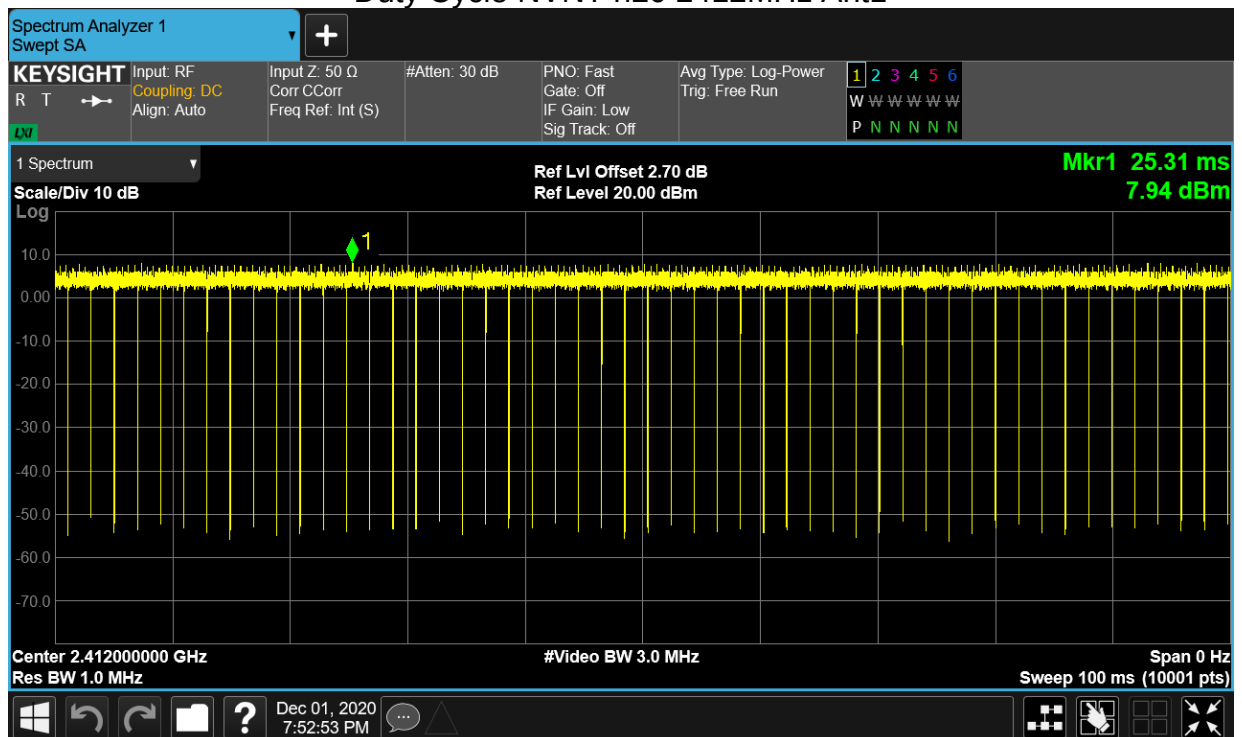
Duty Cycle NVNT g 2437MHz Ant1



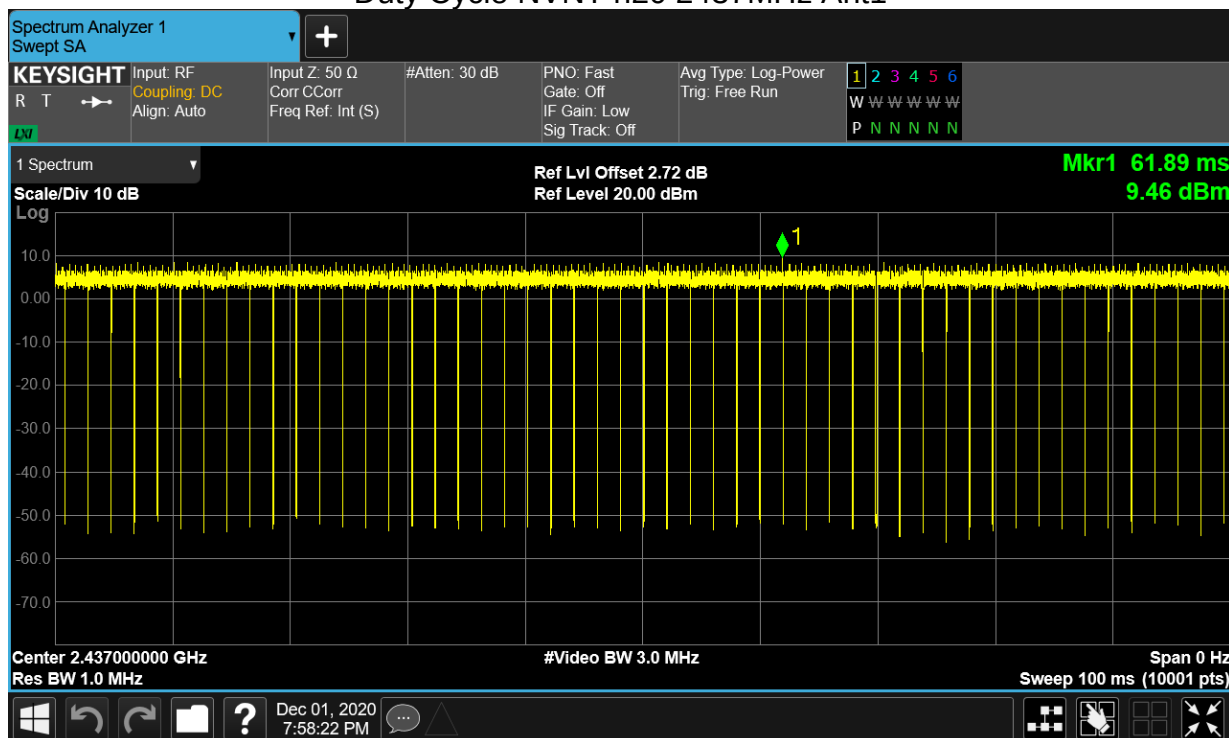
Duty Cycle NVNT g 2462MHz Ant1



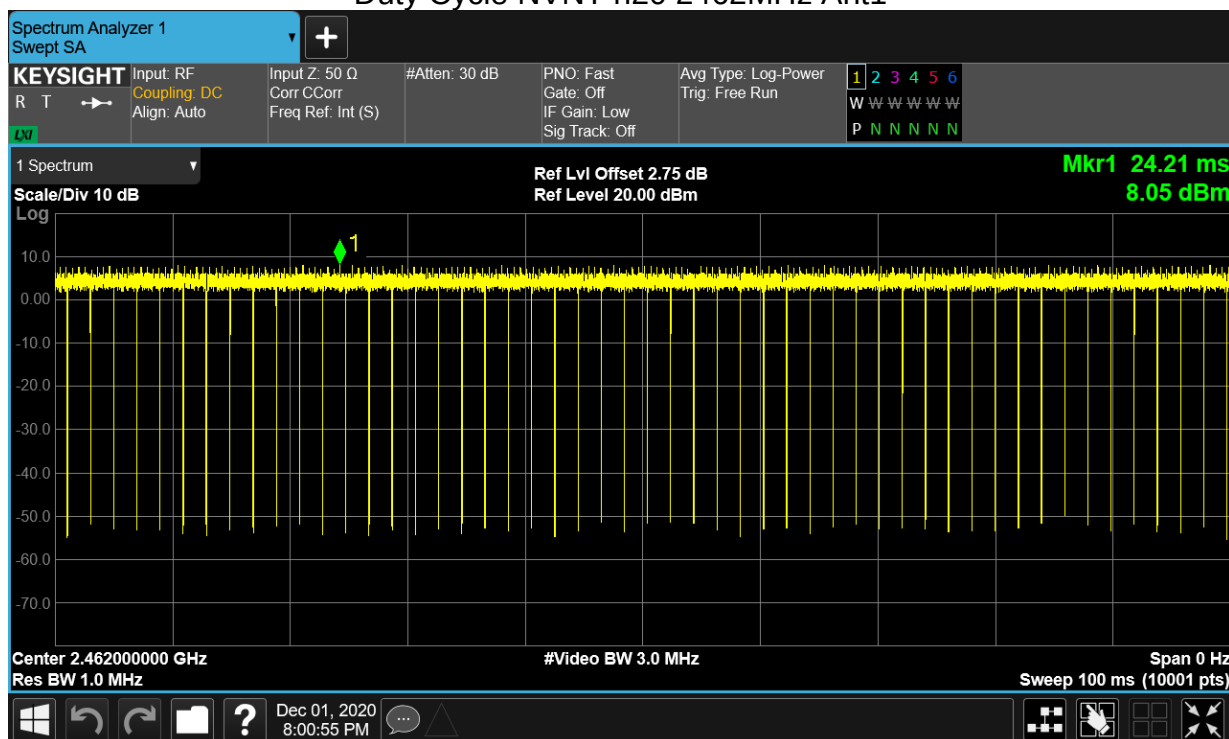
Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.34	0.01	14.35	30	Pass
NVNT	b	2437	Ant1	14.39	0	14.39	30	Pass
NVNT	b	2462	Ant1	13.58	0.01	13.59	30	Pass
NVNT	g	2412	Ant1	10.74	0.06	10.8	30	Pass

NVNT	g	2437	Ant1	12.9	0.06	12.96	30	Pass
NVNT	g	2462	Ant1	12.18	0.06	12.24	30	Pass
NVNT	n20	2412	Ant1	12.35	0.07	12.42	30	Pass
NVNT	n20	2437	Ant1	12.38	0.07	12.45	30	Pass
NVNT	n20	2462	Ant1	11.57	0.07	11.64	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.569	0.5	Pass
NVNT	b	2437	Ant1	9.566	0.5	Pass
NVNT	b	2462	Ant1	9.754	0.5	Pass
NVNT	g	2412	Ant1	16.362	0.5	Pass
NVNT	g	2437	Ant1	16.402	0.5	Pass
NVNT	g	2462	Ant1	16.521	0.5	Pass
NVNT	n20	2412	Ant1	17.554	0.5	Pass
NVNT	n20	2437	Ant1	17.563	0.5	Pass
NVNT	n20	2462	Ant1	17.549	0.5	Pass

-6dB Bandwidth NVNT b 2412MHz Ant1



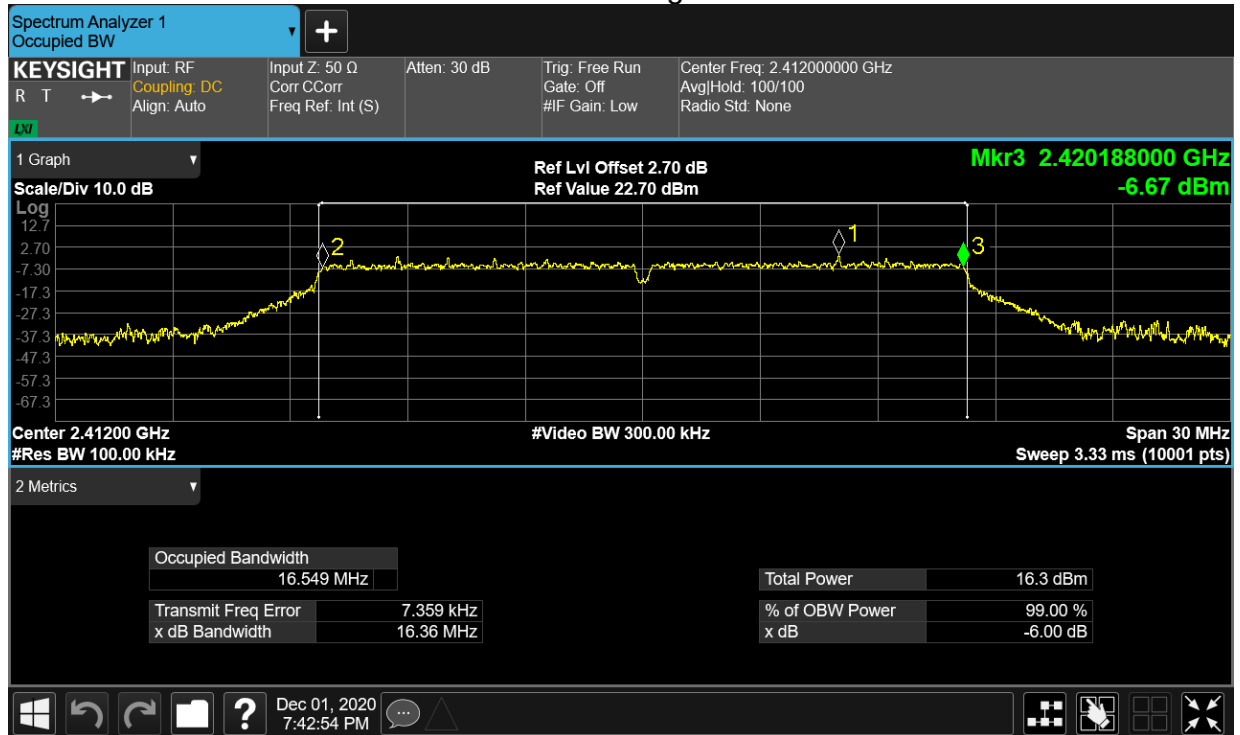
-6dB Bandwidth NVNT b 2437MHz Ant1



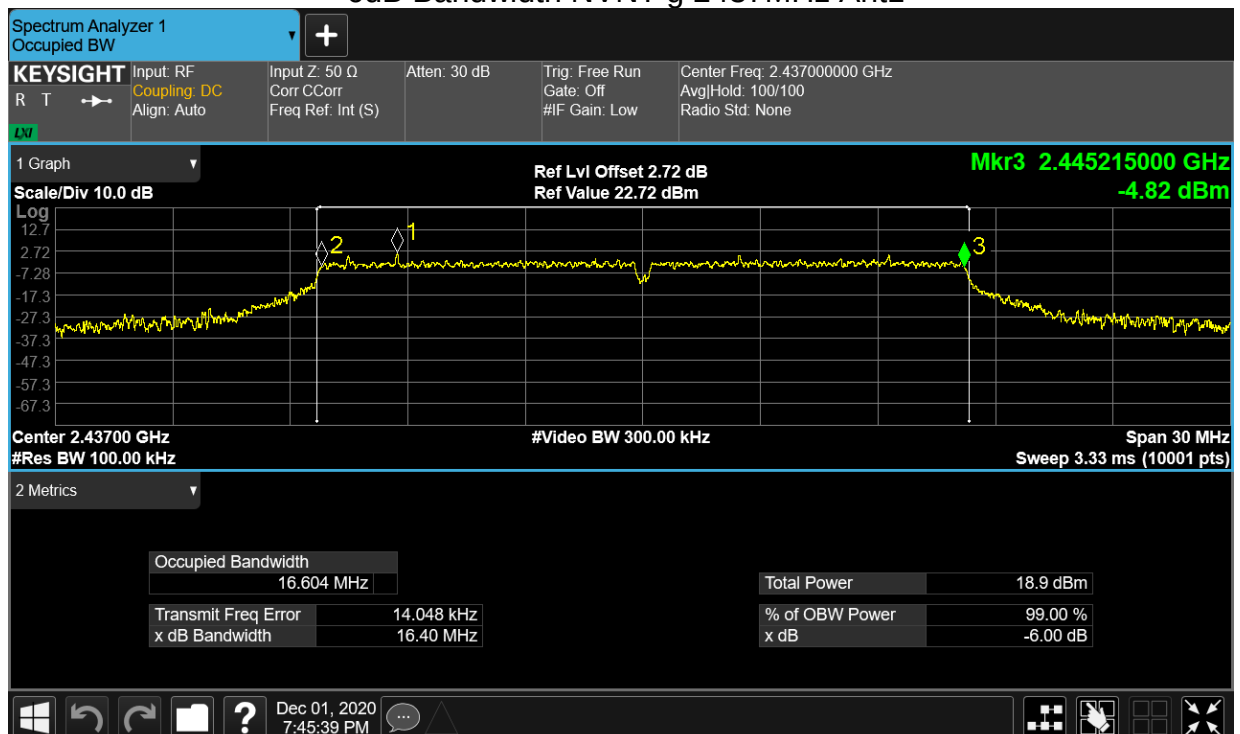
-6dB Bandwidth NVNT b 2462MHz Ant1



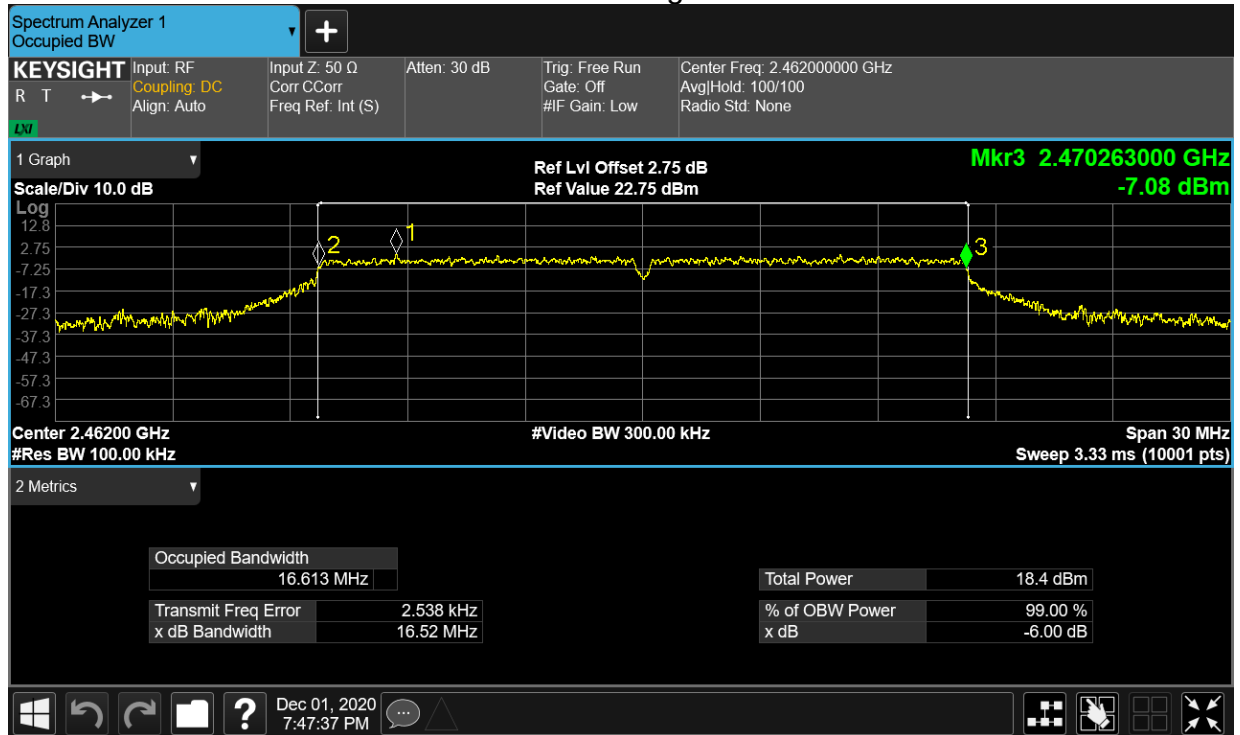
-6dB Bandwidth NVNT g 2412MHz Ant1



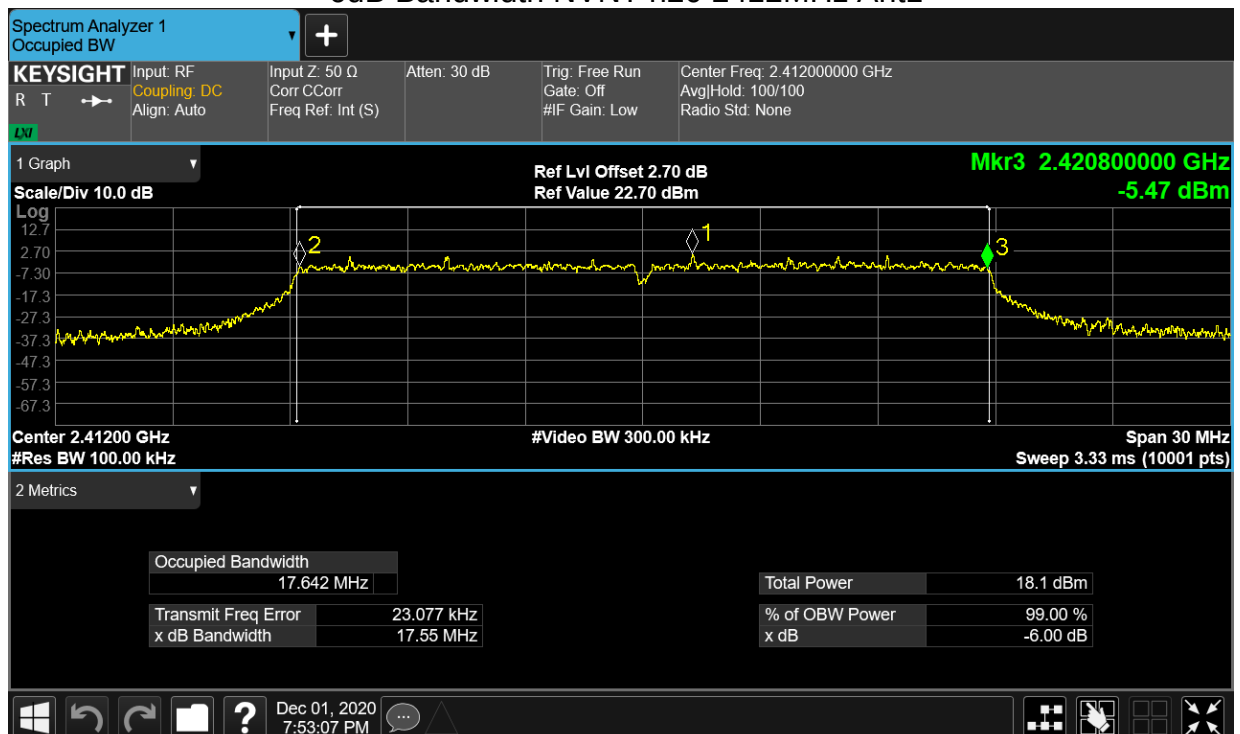
-6dB Bandwidth NVNT g 2437MHz Ant1



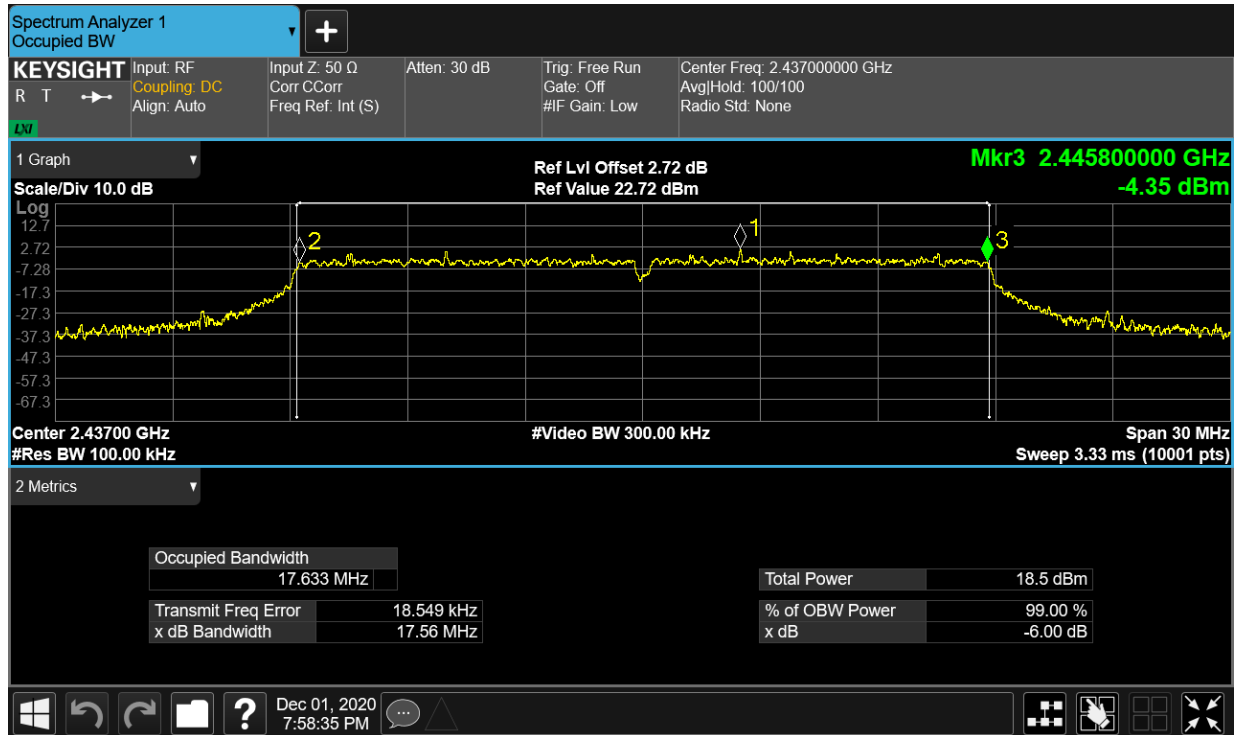
-6dB Bandwidth NVNT g 2462MHz Ant1



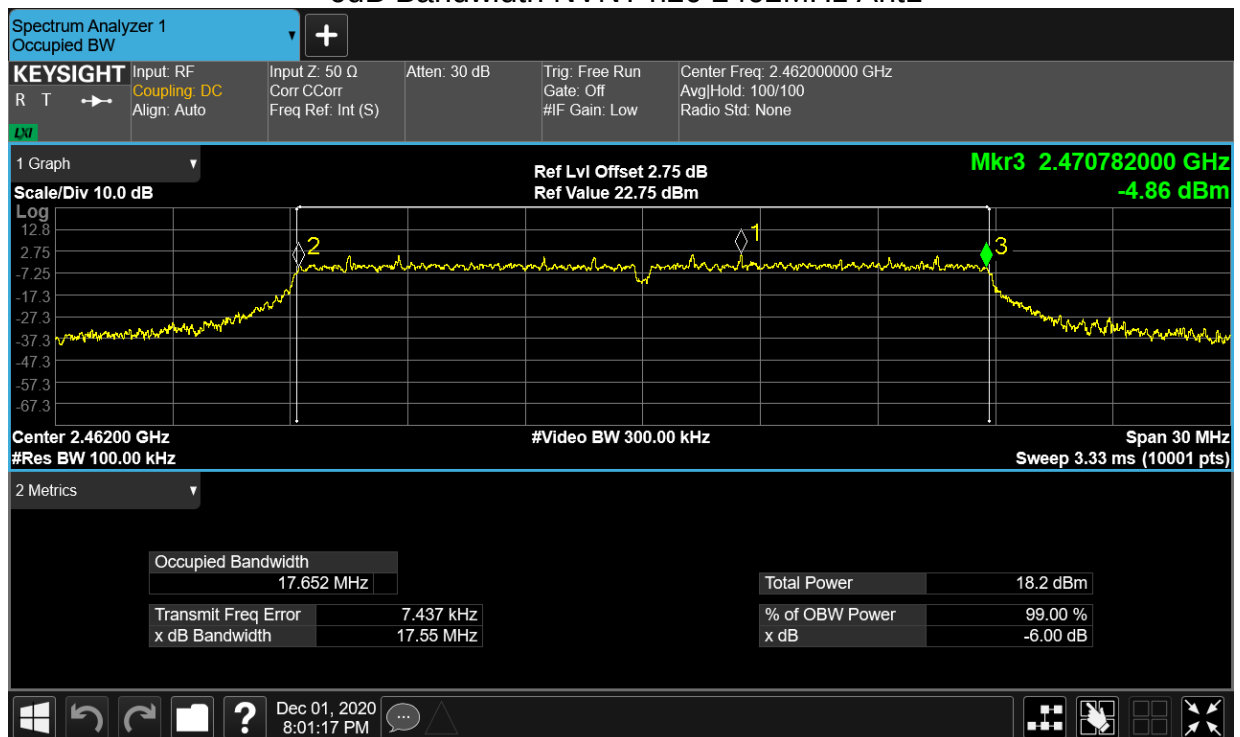
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



-6dB Bandwidth NVNT n20 2462MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.08022663
NVNT	b	2437	Ant1	12.09708406
NVNT	b	2462	Ant1	12.06121271
NVNT	g	2412	Ant1	16.59036984
NVNT	g	2437	Ant1	16.60833178
NVNT	g	2462	Ant1	16.58076953

NVNT	n20	2412	Ant1	17.63588522
NVNT	n20	2437	Ant1	17.63993236
NVNT	n20	2462	Ant1	17.6538133

OBW NVNT b 2412MHz Ant1



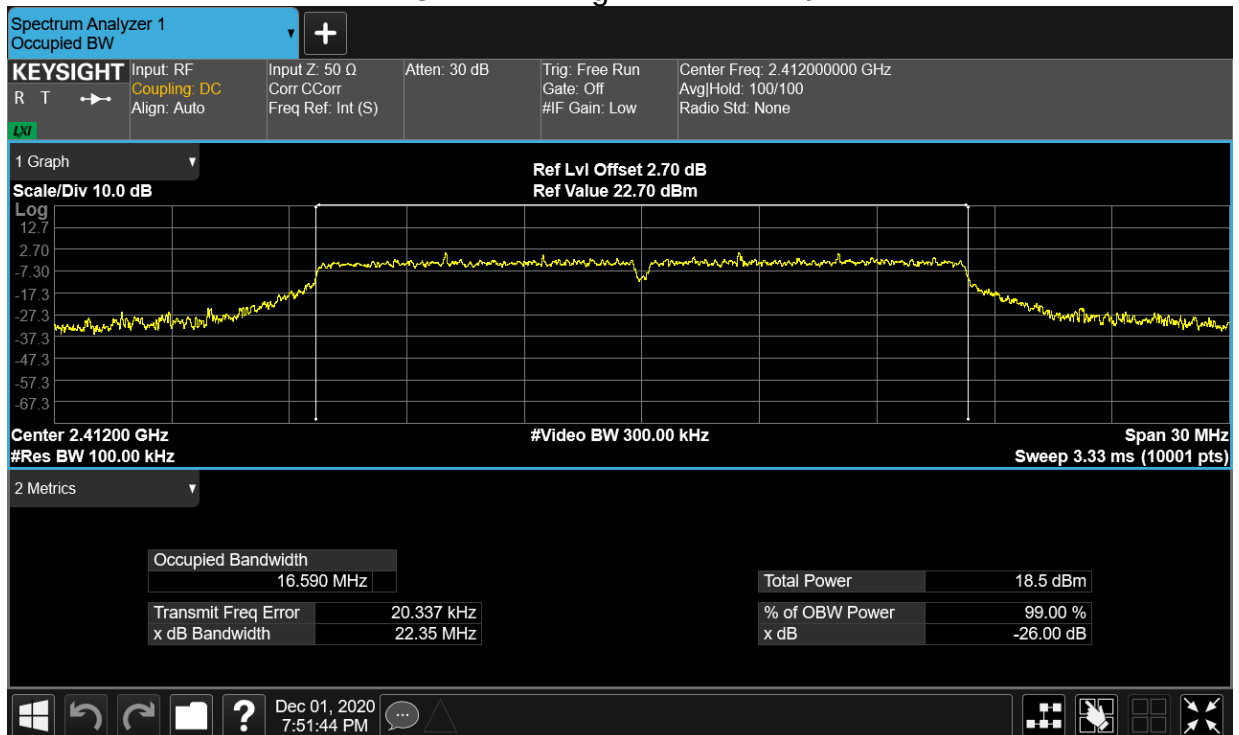
OBW NVNT b 2437MHz Ant1



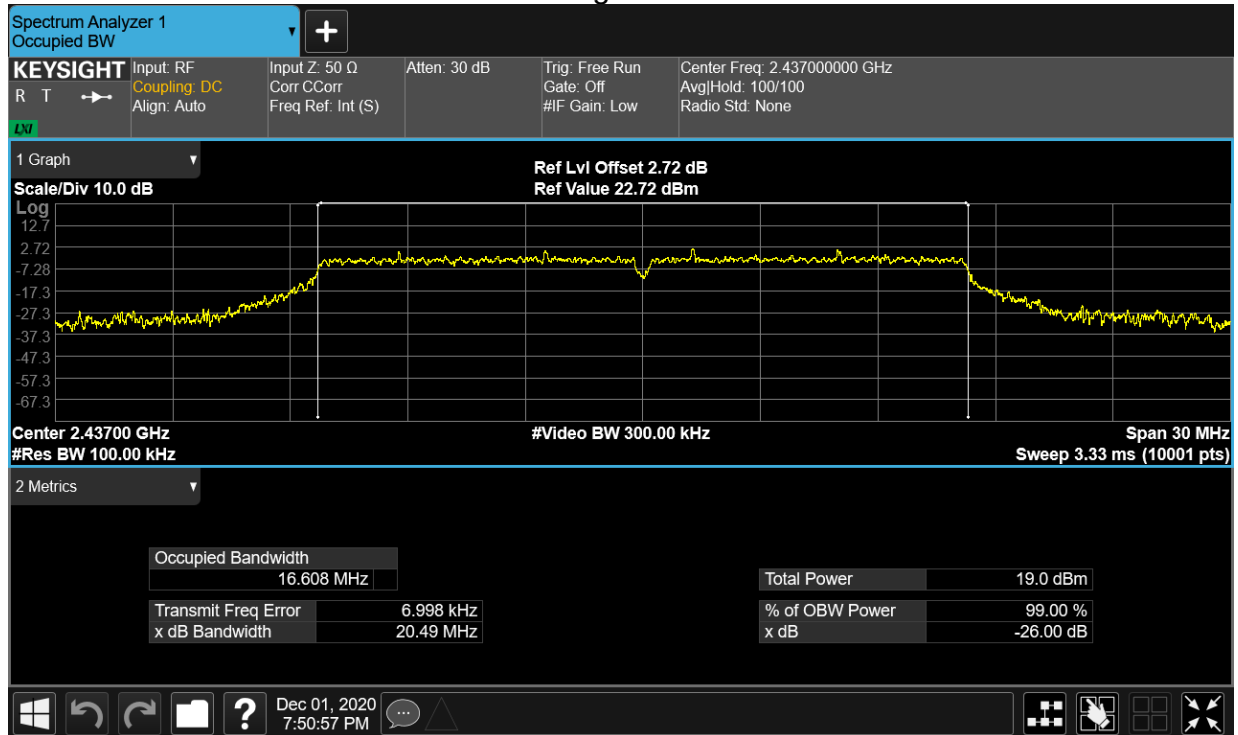
OBW NVNT b 2462MHz Ant1



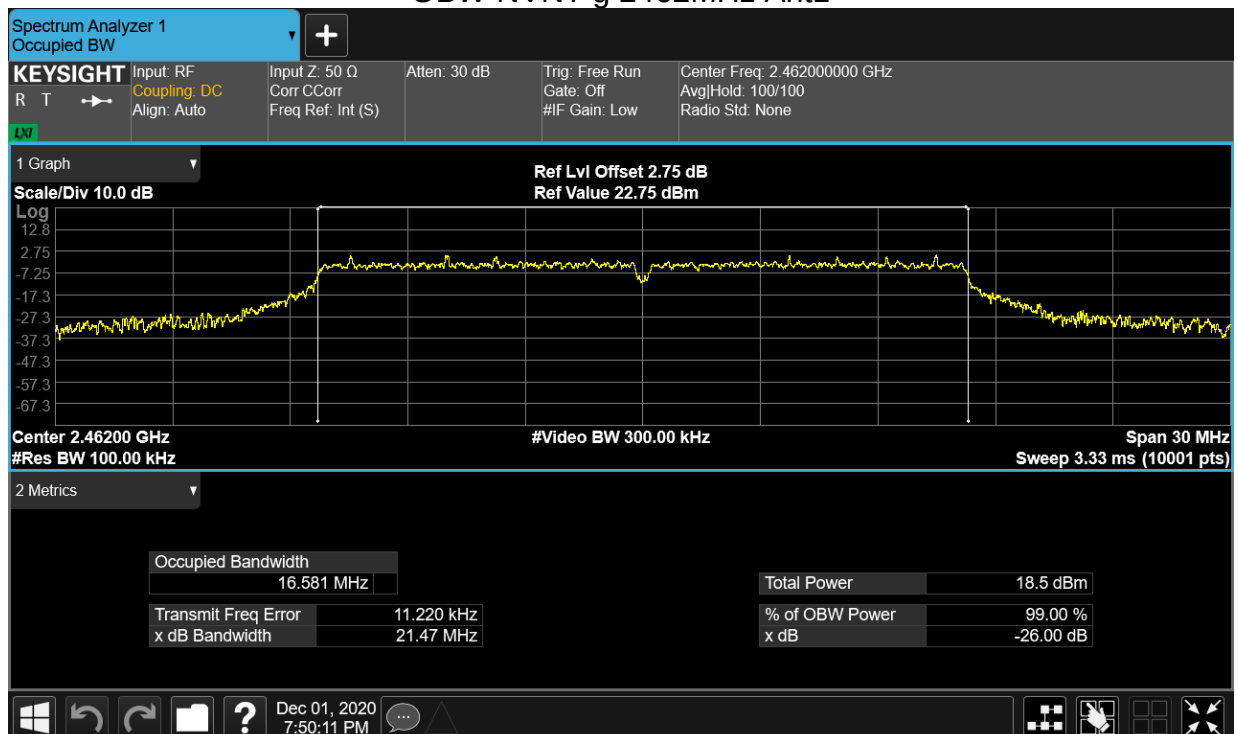
OBW NVNT g 2412MHz Ant1



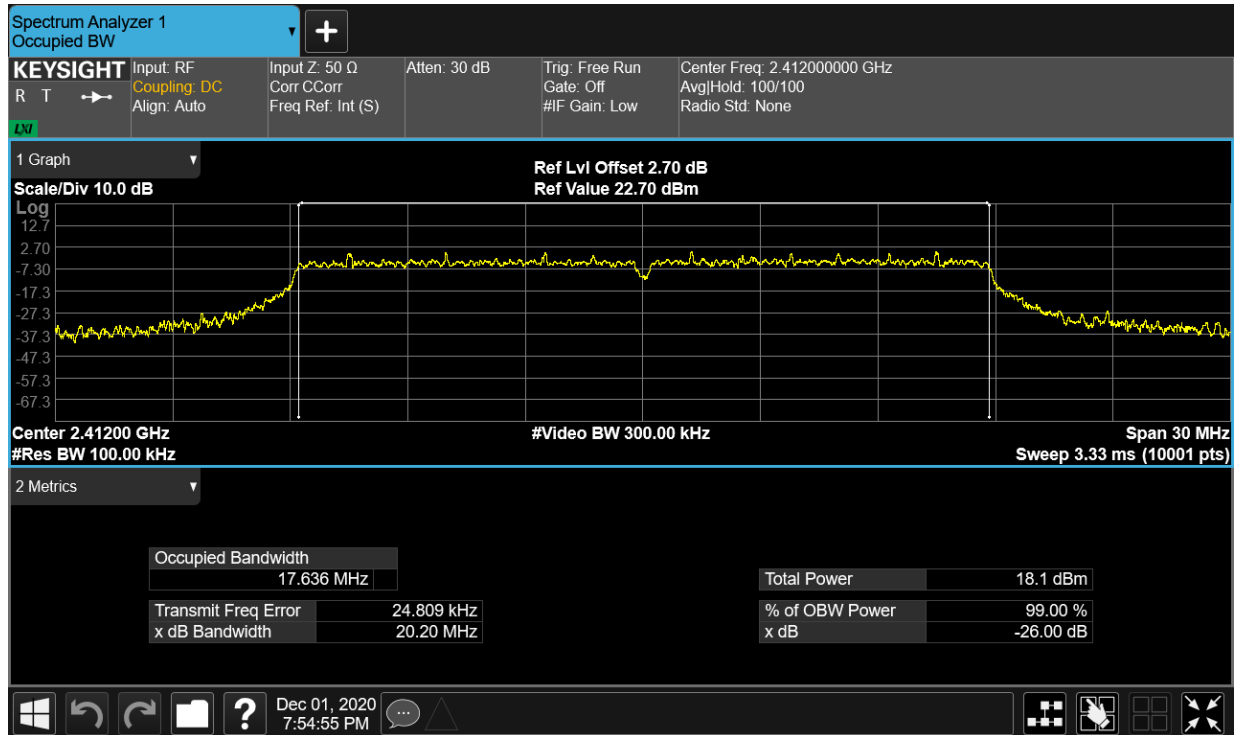
OBW NVNT g 2437MHz Ant1



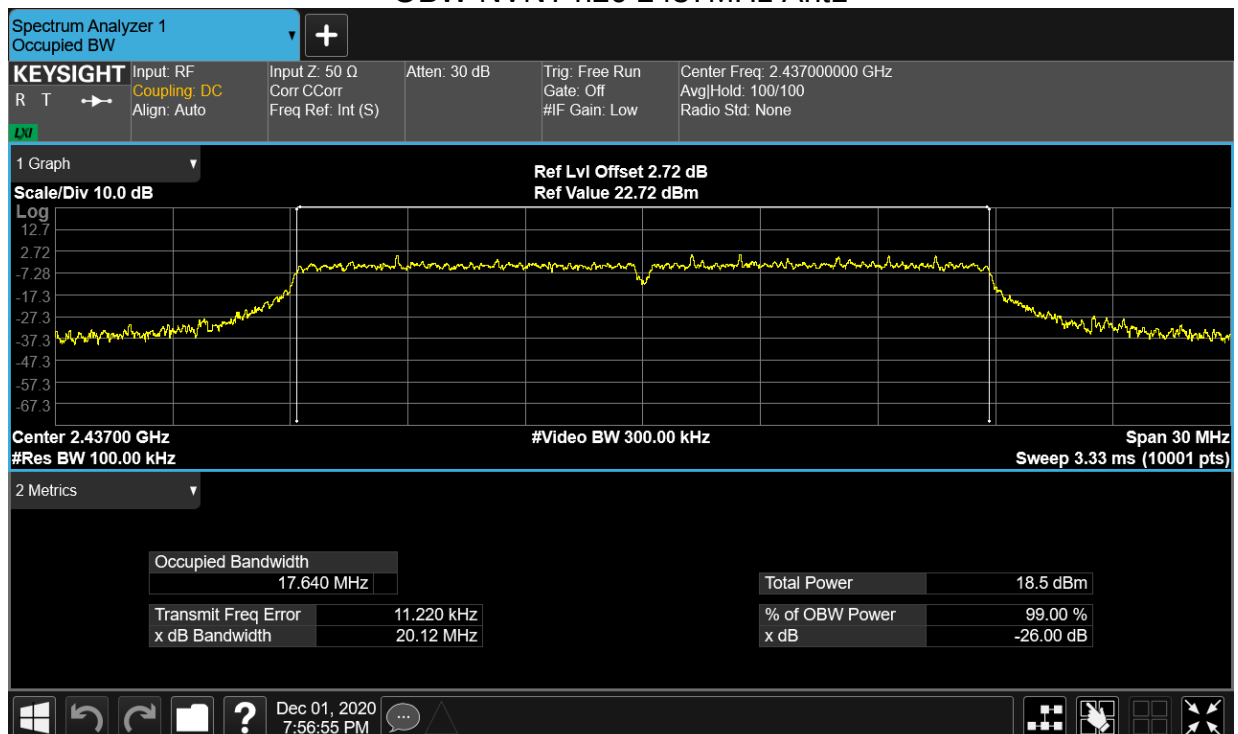
OBW NVNT g 2462MHz Ant1



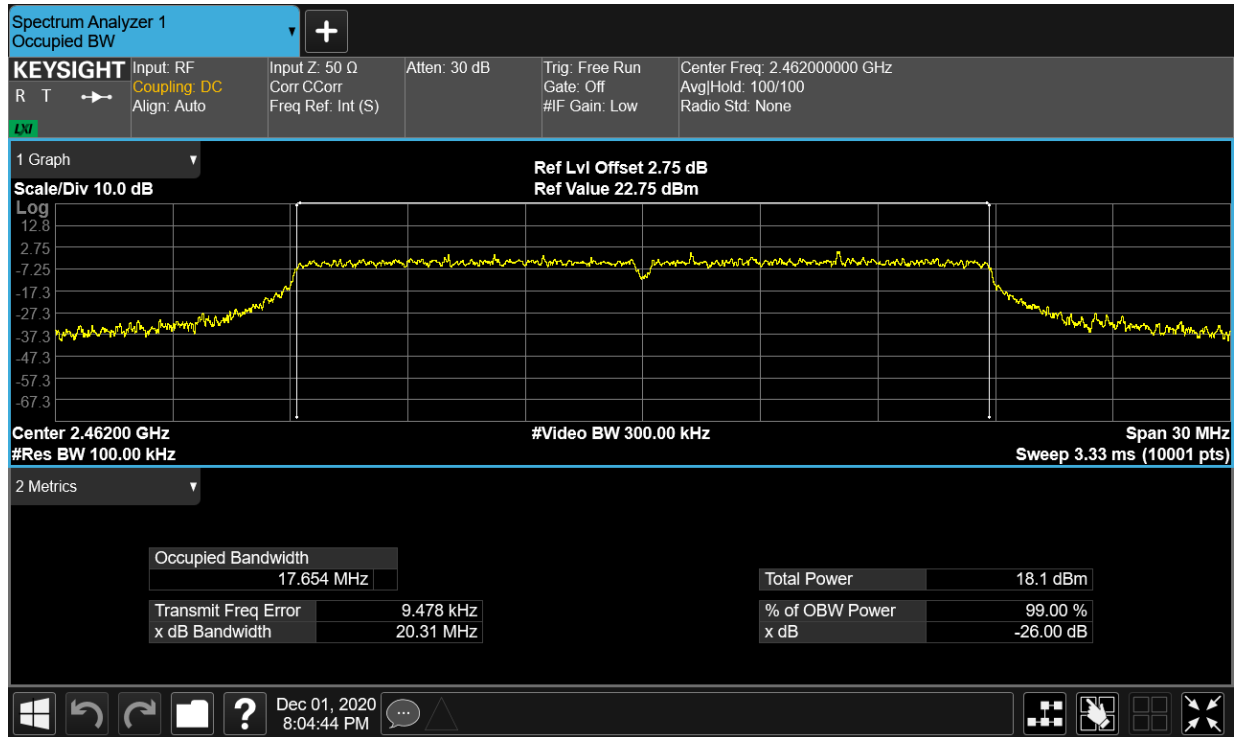
OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2437MHz Ant1



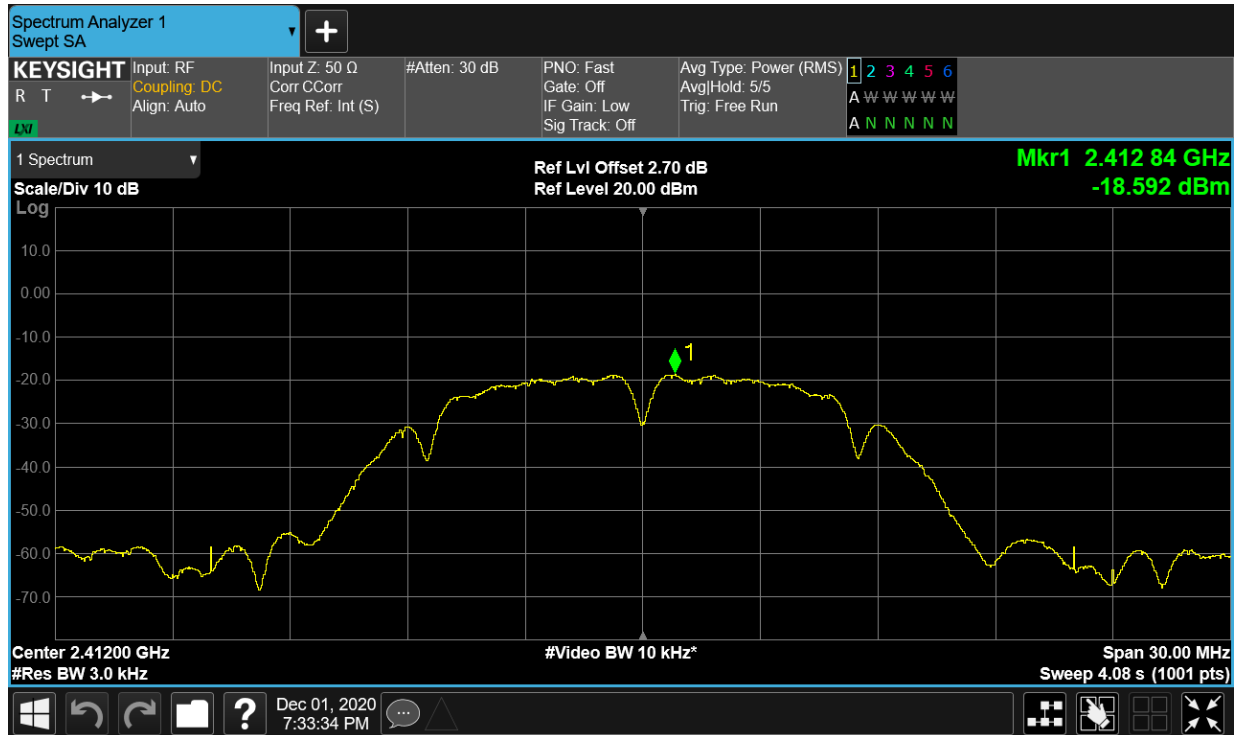
OBW NVNT n20 2462MHz Ant1



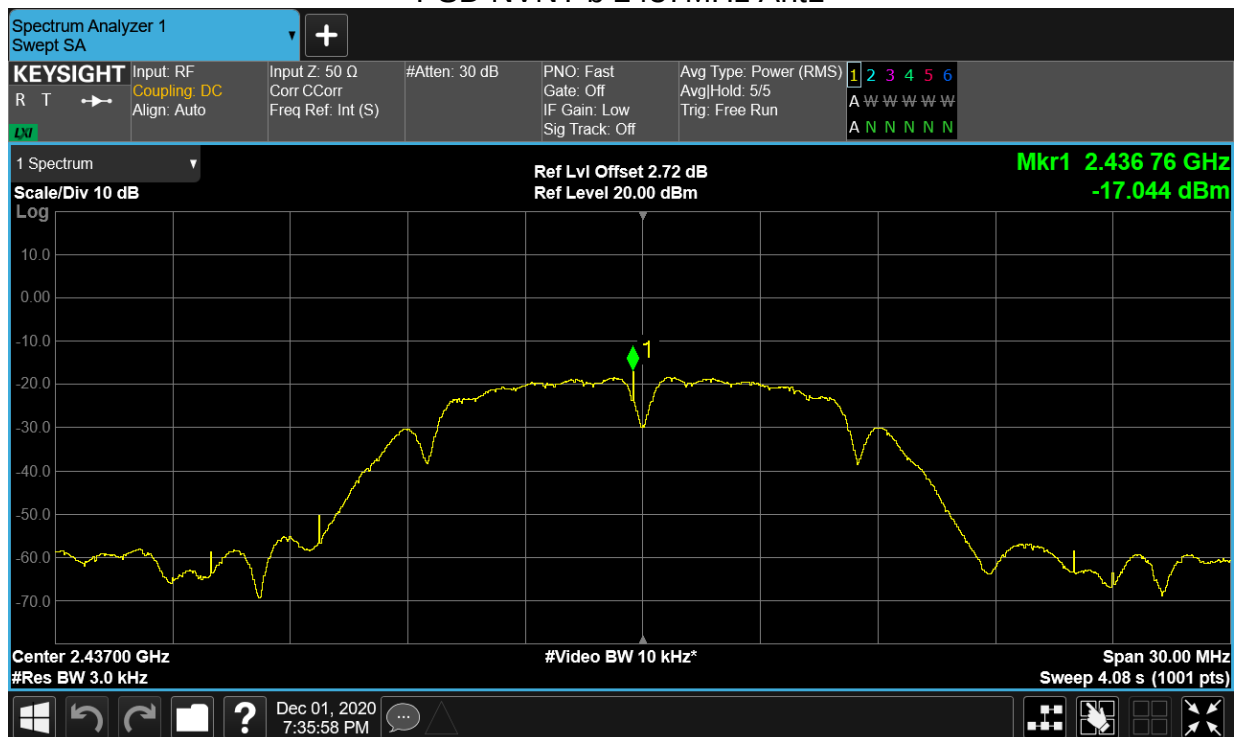
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-18.592	8	Pass
NVNT	b	2437	Ant1	-17.044	8	Pass
NVNT	b	2462	Ant1	-17.467	8	Pass
NVNT	g	2412	Ant1	-24.224	8	Pass
NVNT	g	2437	Ant1	-21.748	8	Pass
NVNT	g	2462	Ant1	-22.197	8	Pass
NVNT	n20	2412	Ant1	-22.706	8	Pass
NVNT	n20	2437	Ant1	-22.116	8	Pass
NVNT	n20	2462	Ant1	-22.619	8	Pass

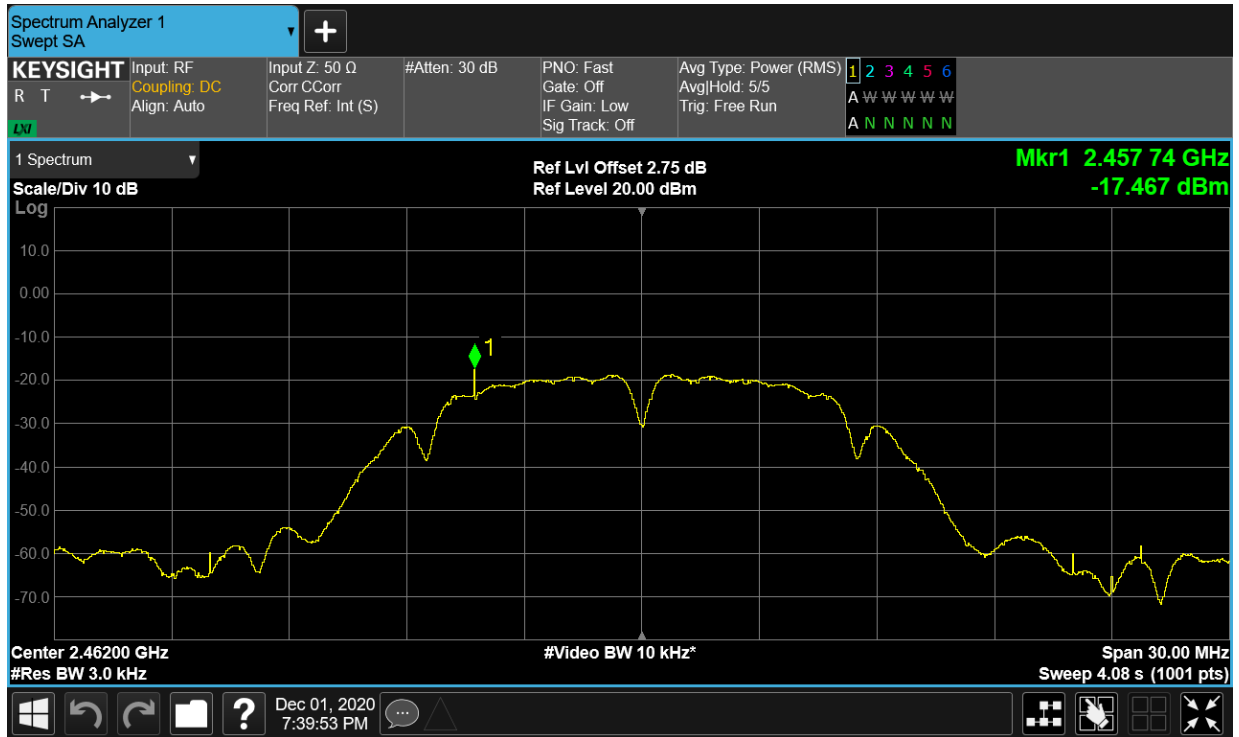
PSD NVNT b 2412MHz Ant1



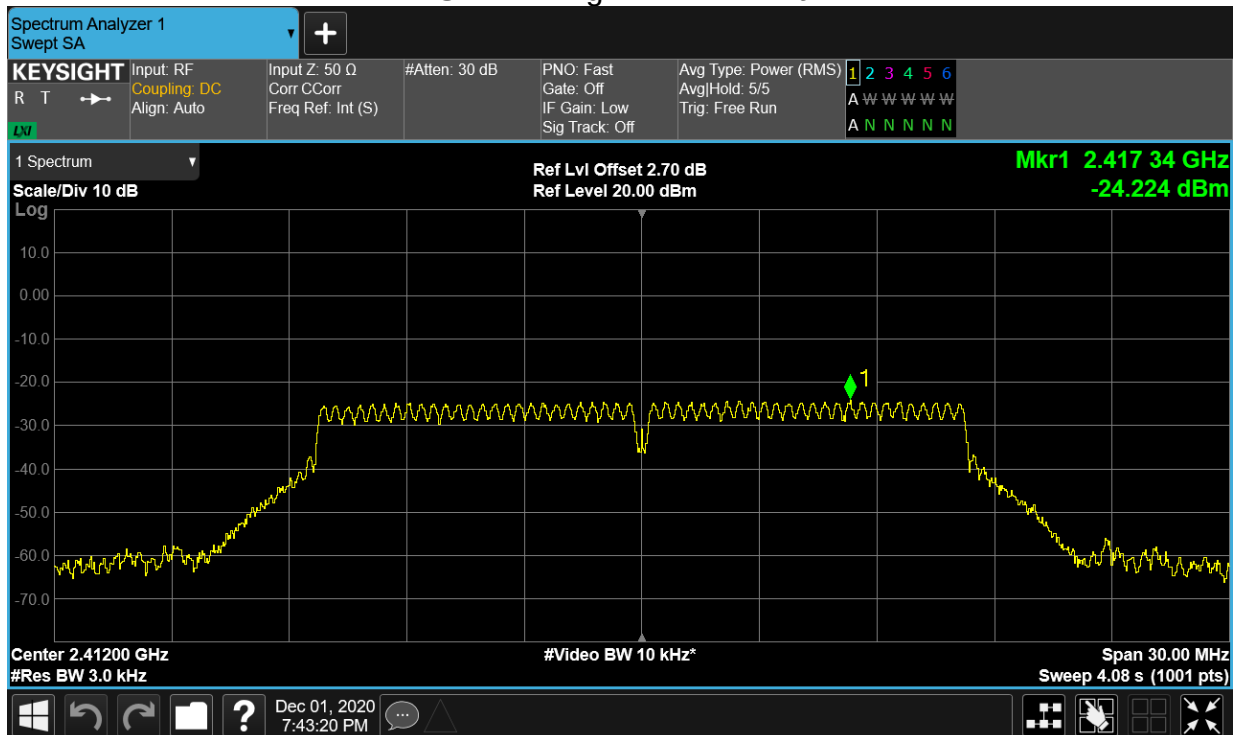
PSD NVNT b 2437MHz Ant1



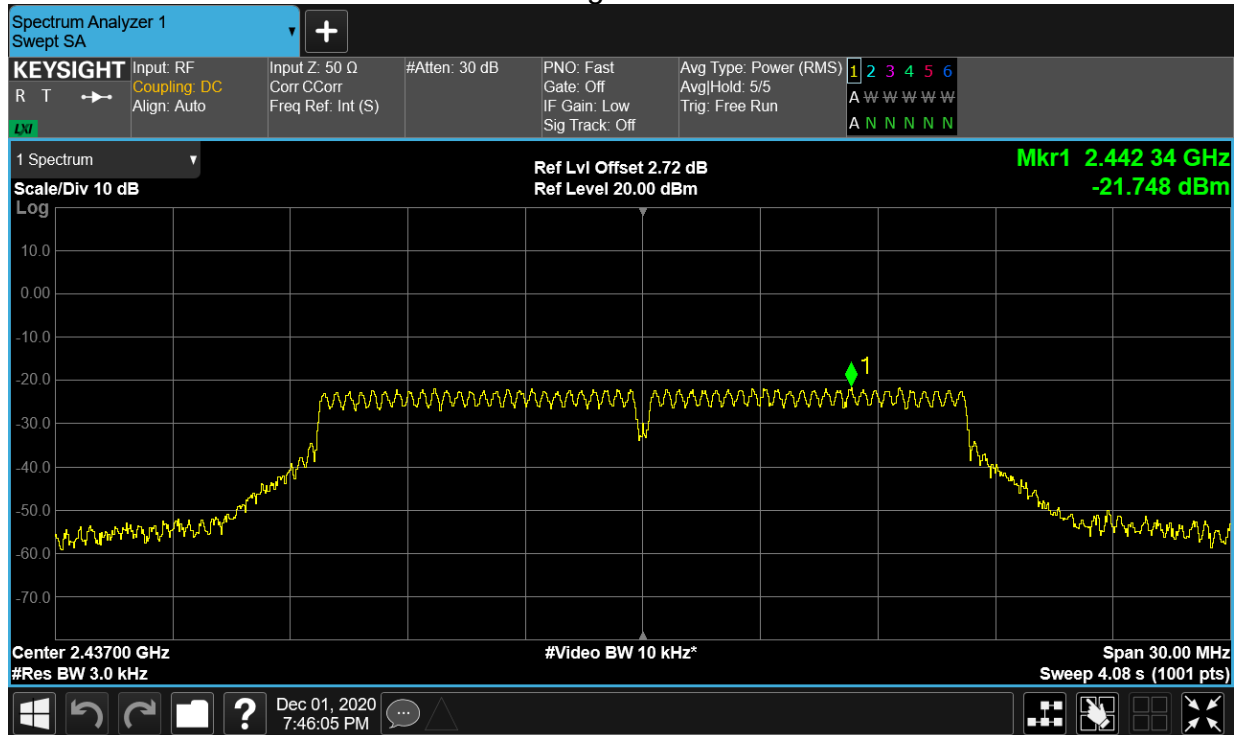
PSD NVNT b 2462MHz Ant1



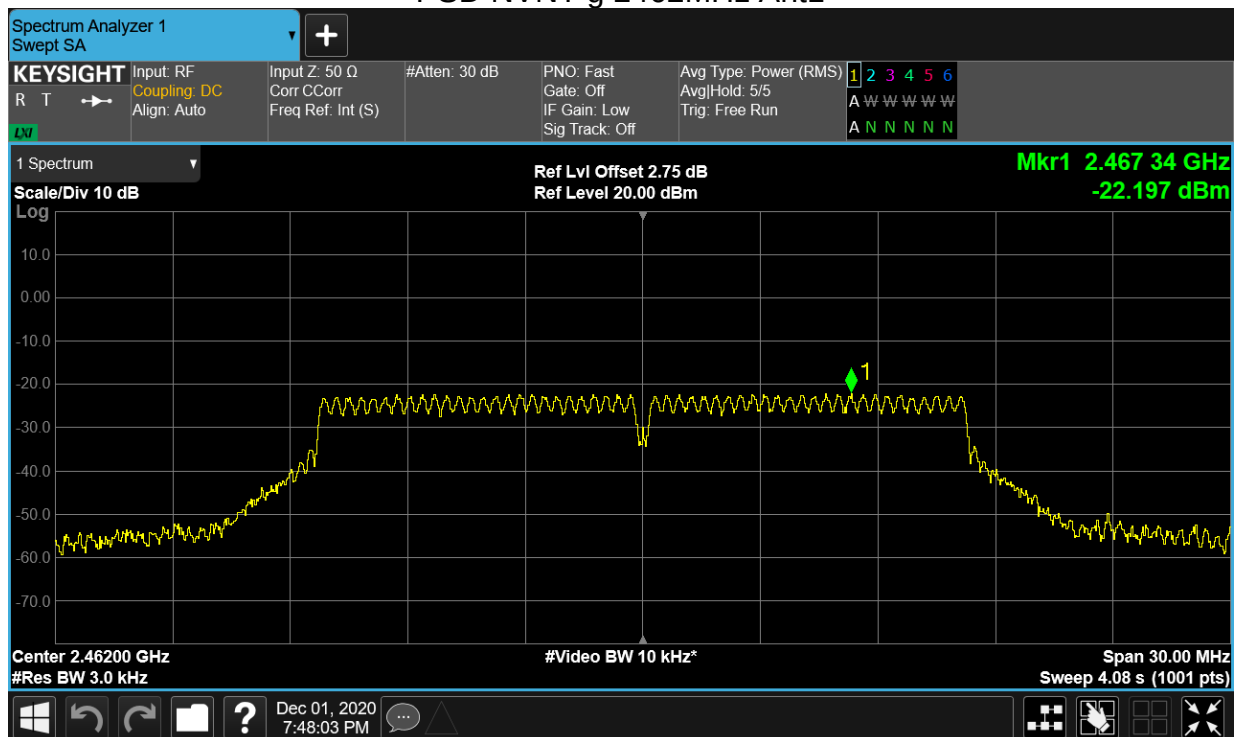
PSD NVNT g 2412MHz Ant1



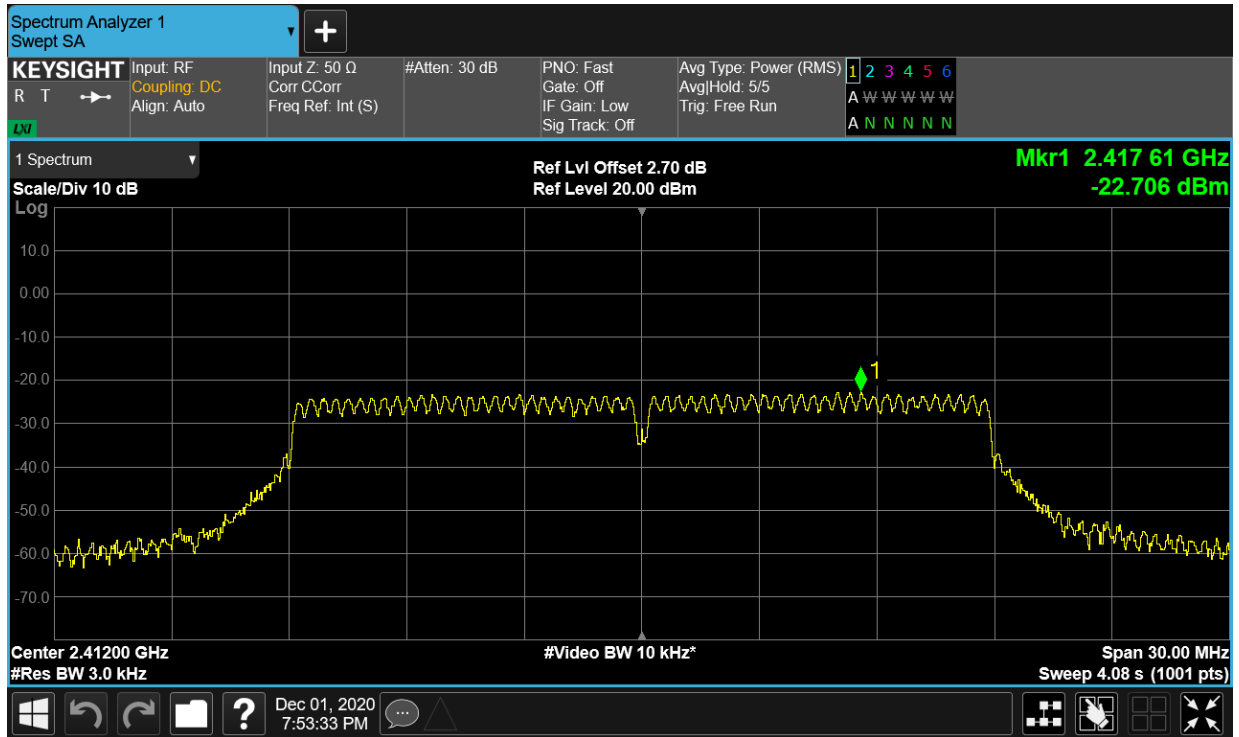
PSD NVNT g 2437MHz Ant1



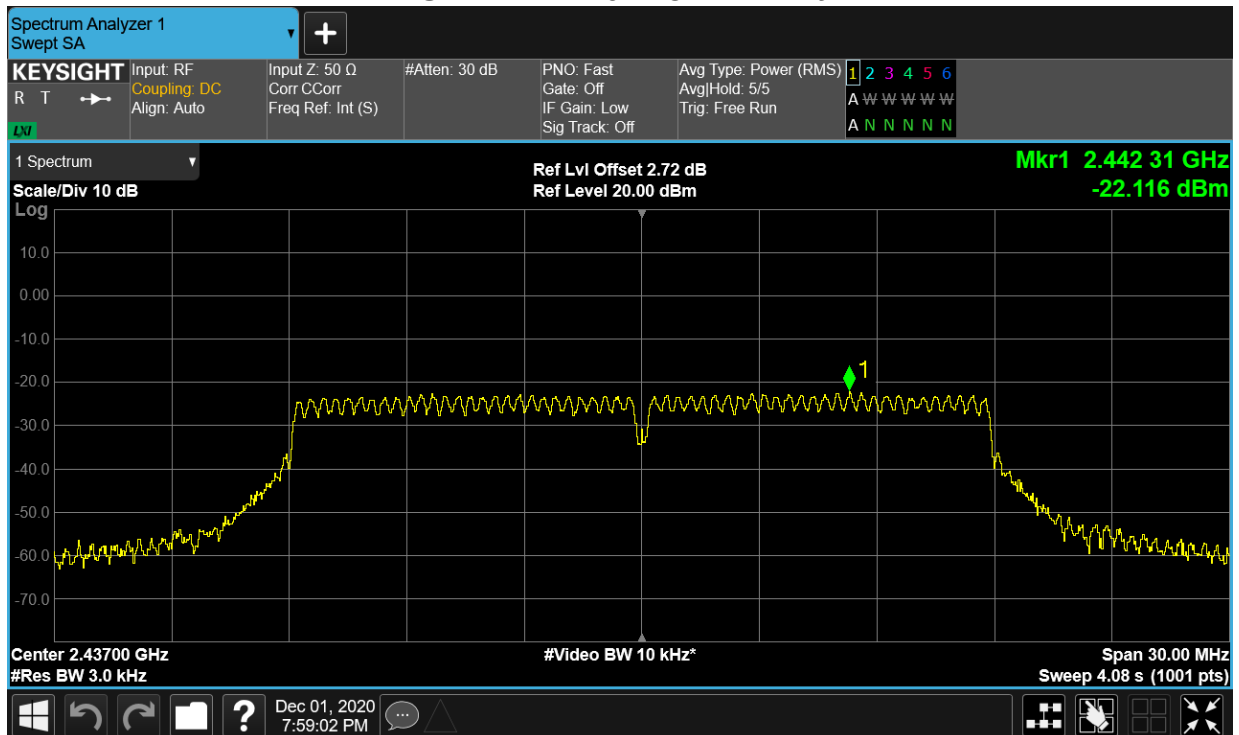
PSD NVNT g 2462MHz Ant1



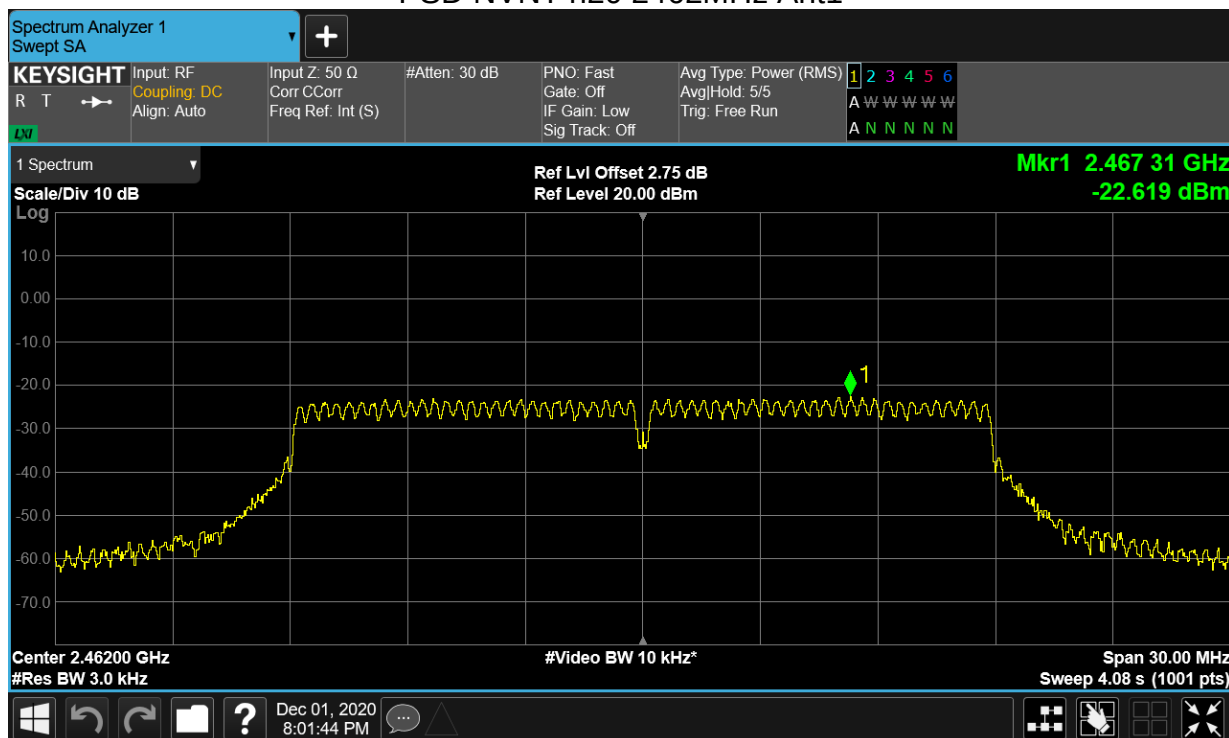
PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



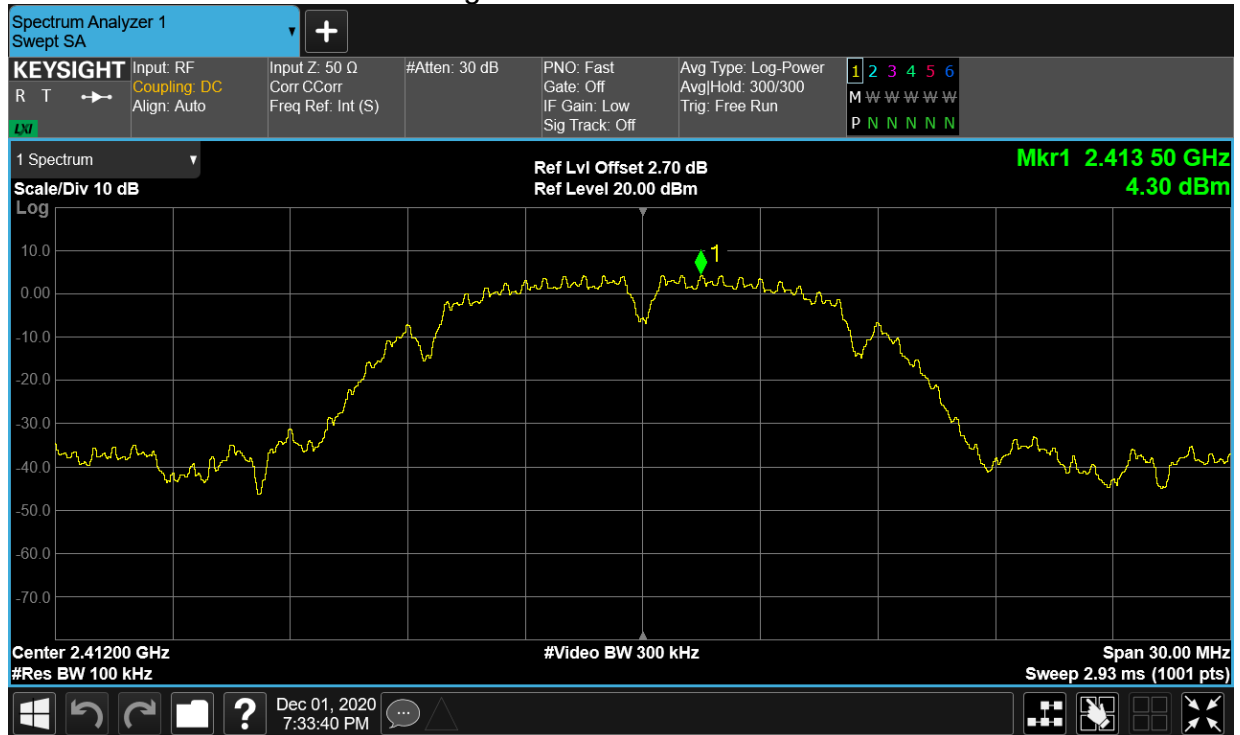
PSD NVNT n20 2462MHz Ant1



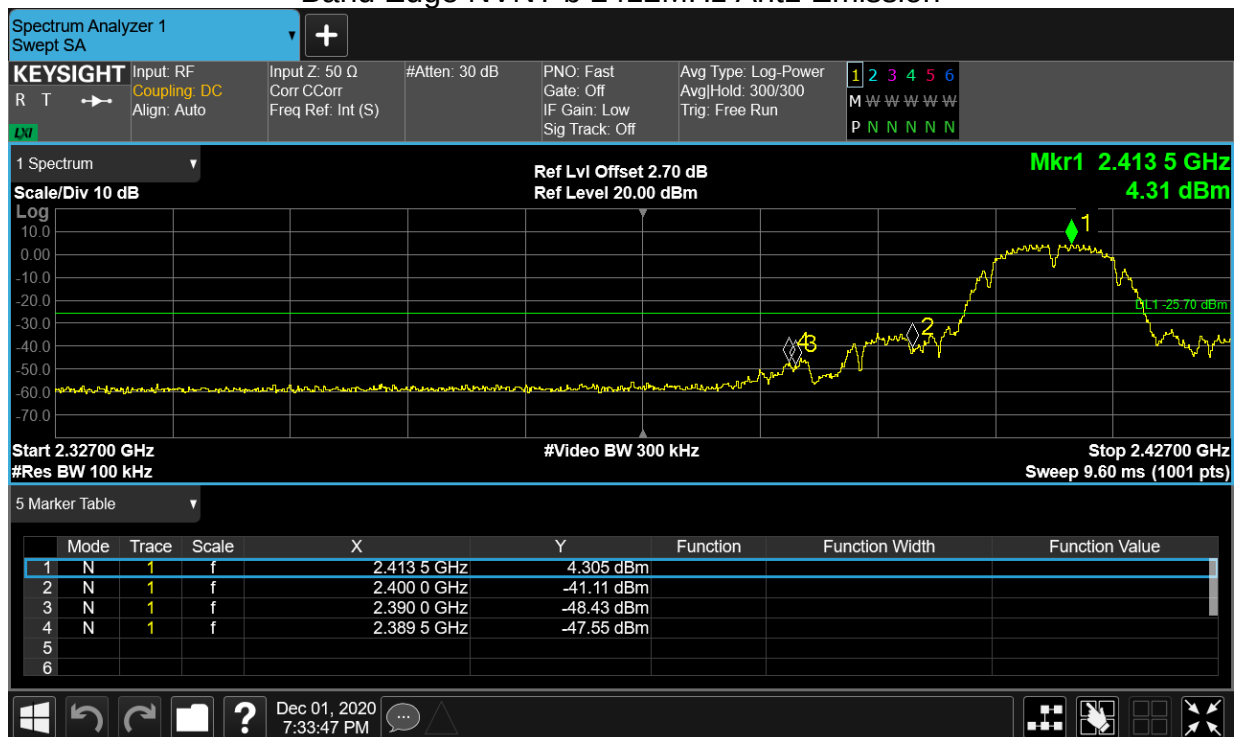
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-51.85	-30	Pass
NVNT	b	2462	Ant1	-52.69	-30	Pass
NVNT	g	2412	Ant1	-40.06	-30	Pass
NVNT	g	2462	Ant1	-36.18	-30	Pass
NVNT	n20	2412	Ant1	-40.72	-30	Pass
NVNT	n20	2462	Ant1	-43.4	-30	Pass

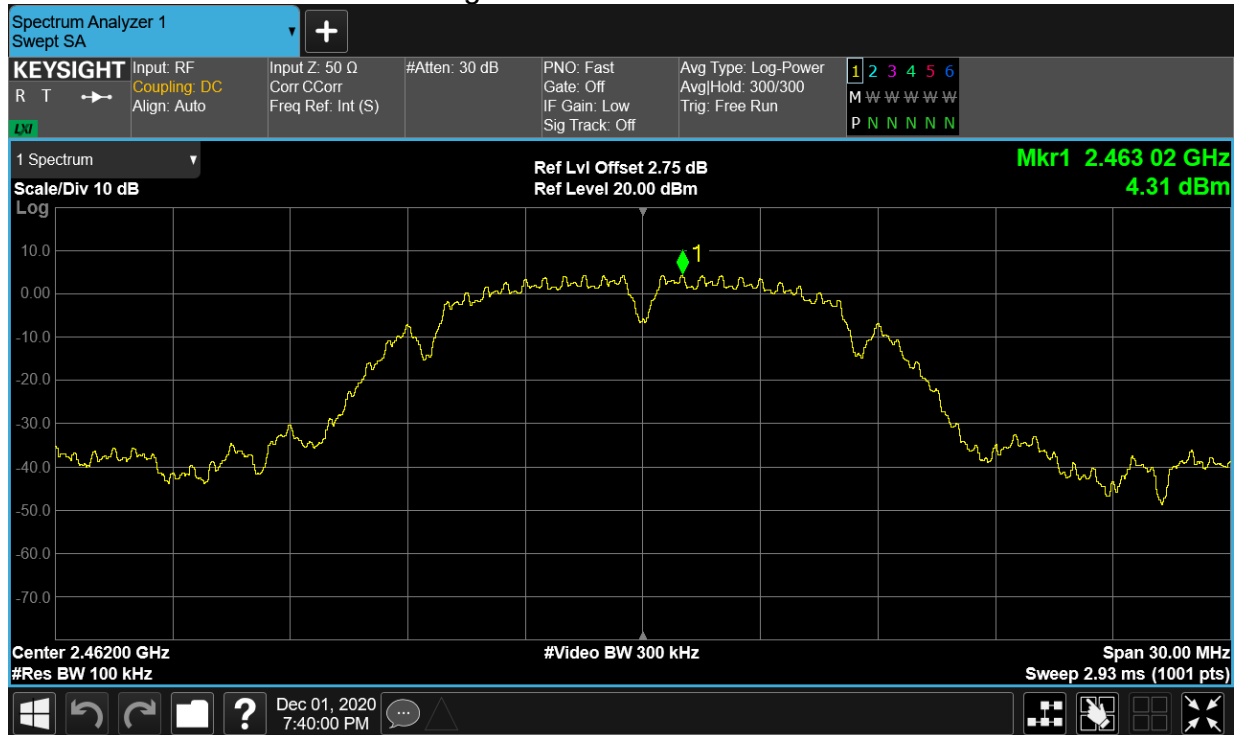
Band Edge NVNT b 2412MHz Ant1 Ref



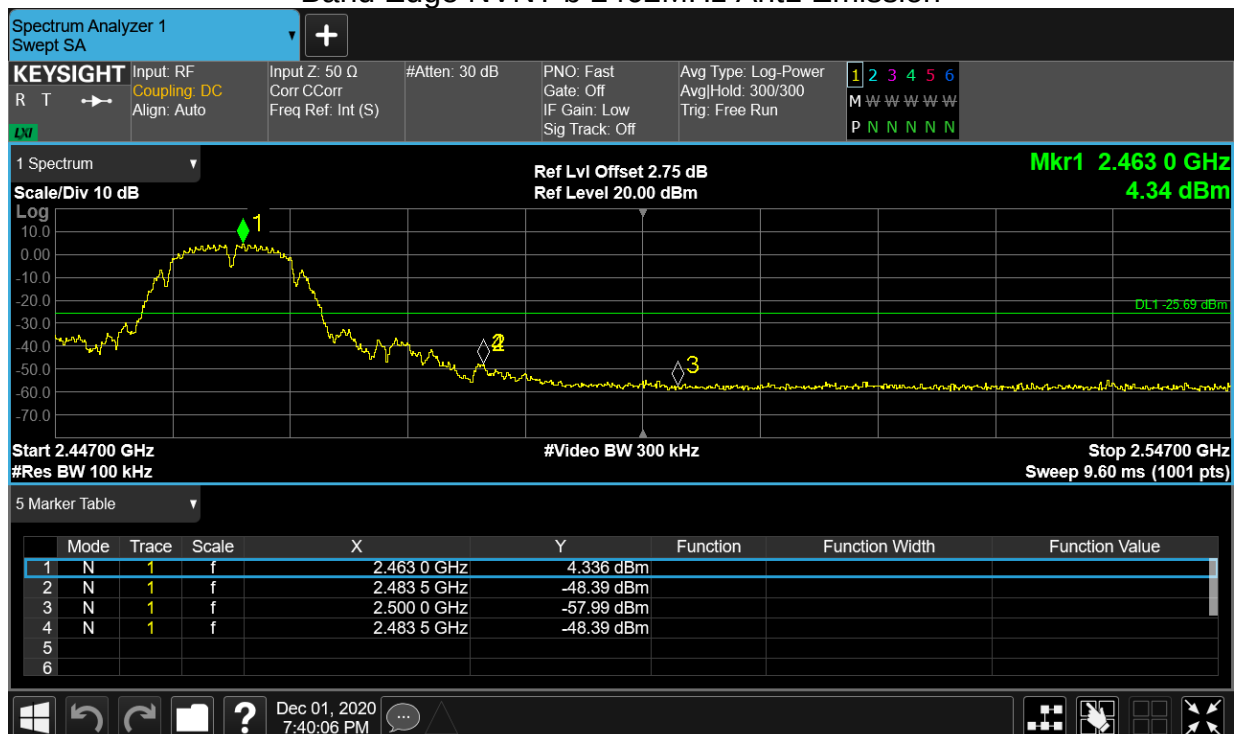
Band Edge NVNT b 2412MHz Ant1 Emission



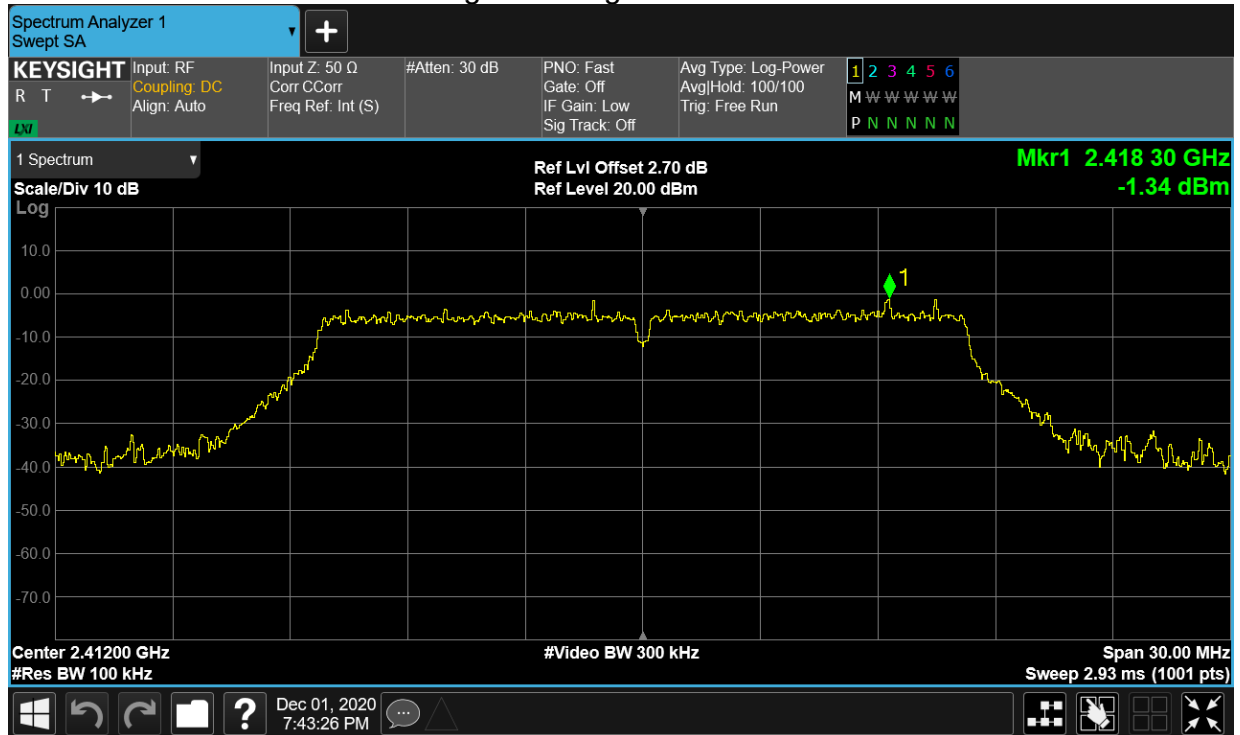
Band Edge NVNT b 2462MHz Ant1 Ref



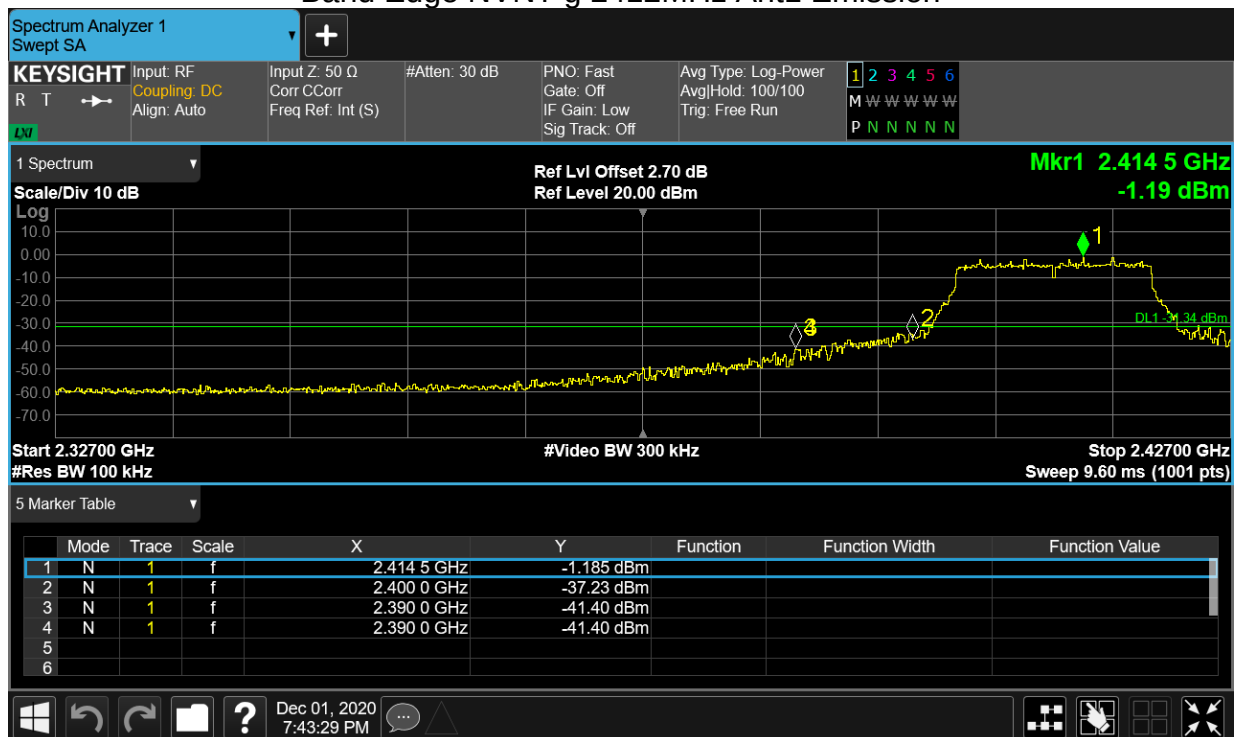
Band Edge NVNT b 2462MHz Ant1 Emission



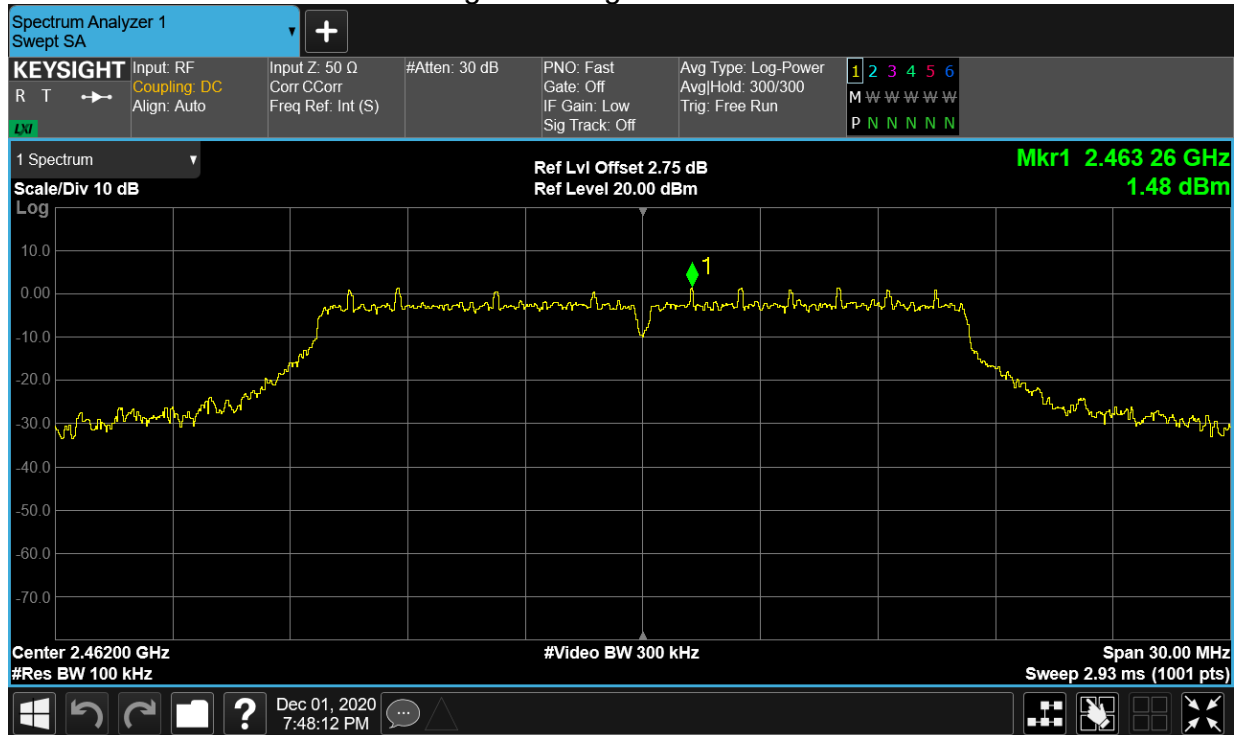
Band Edge NVNT g 2412MHz Ant1 Ref



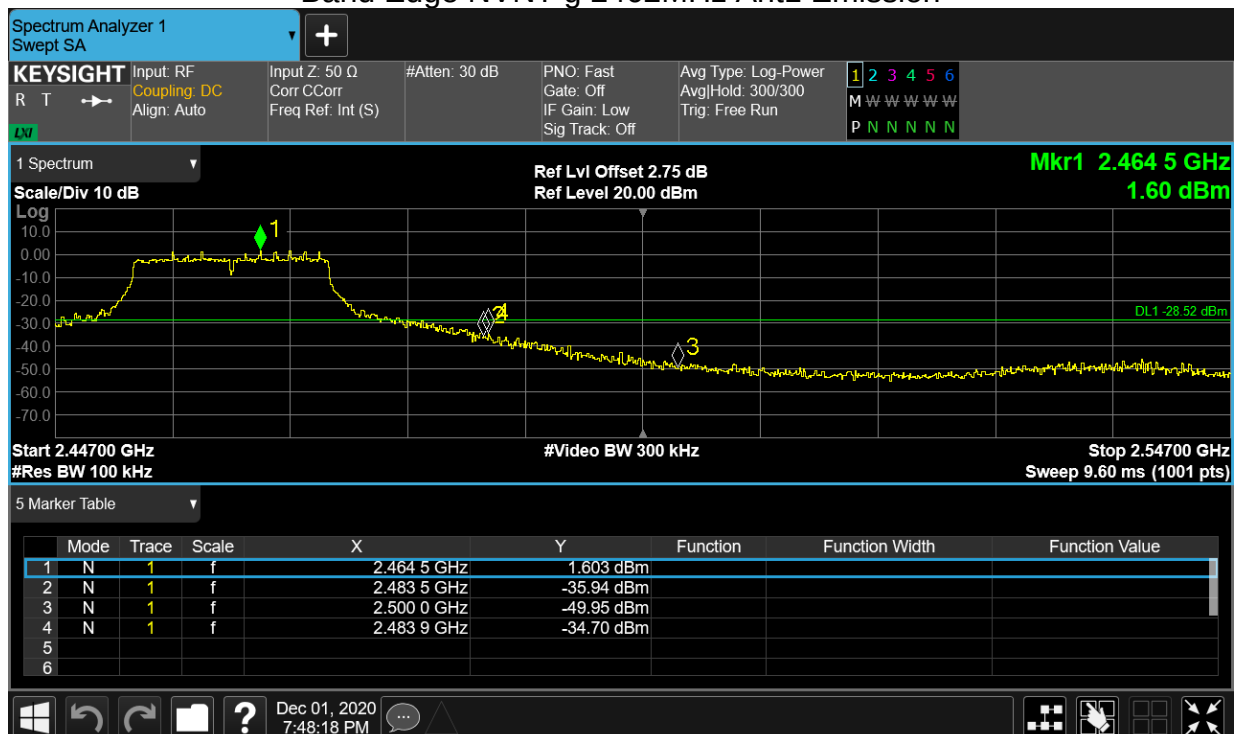
Band Edge NVNT g 2412MHz Ant1 Emission



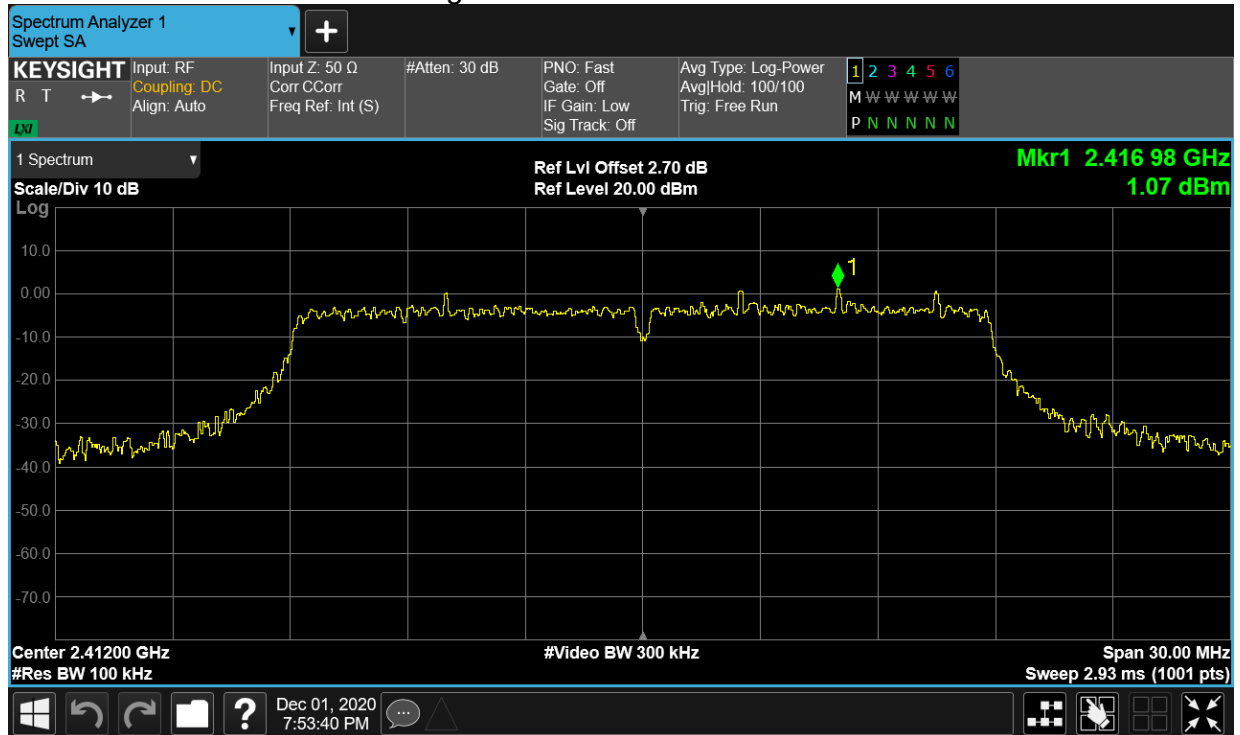
Band Edge NVNT g 2462MHz Ant1 Ref



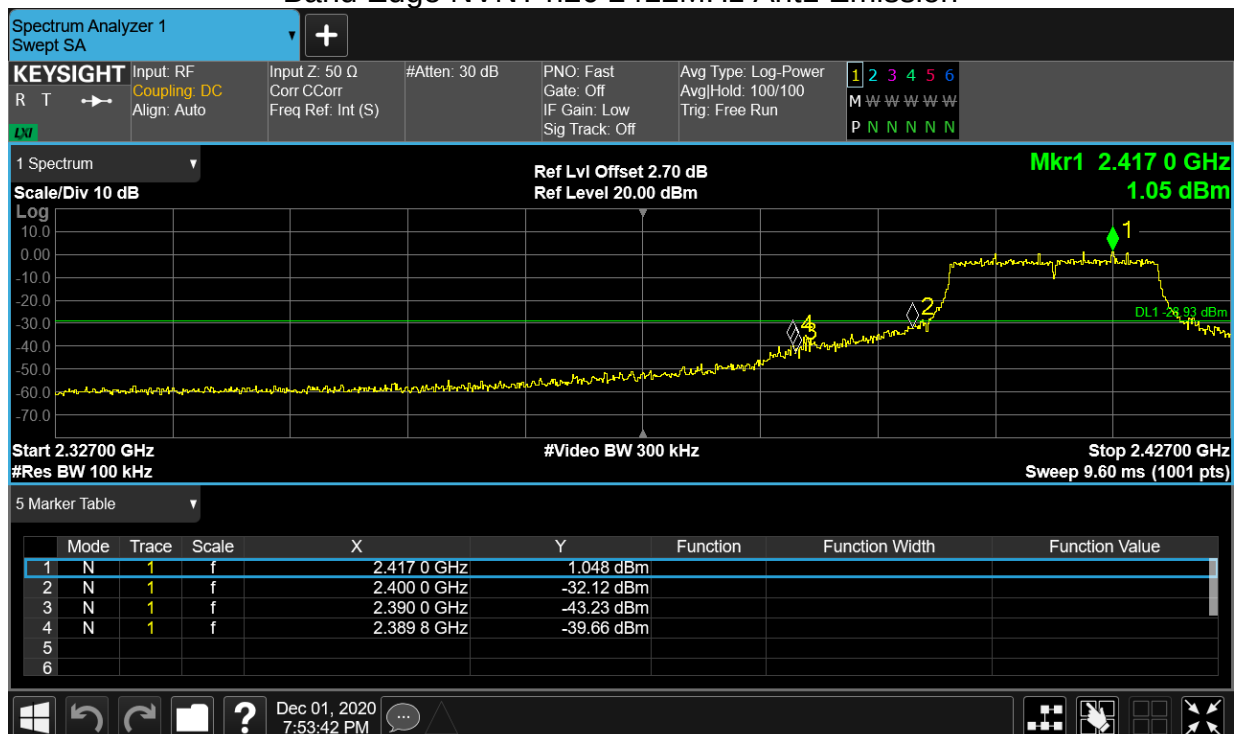
Band Edge NVNT g 2462MHz Ant1 Emission



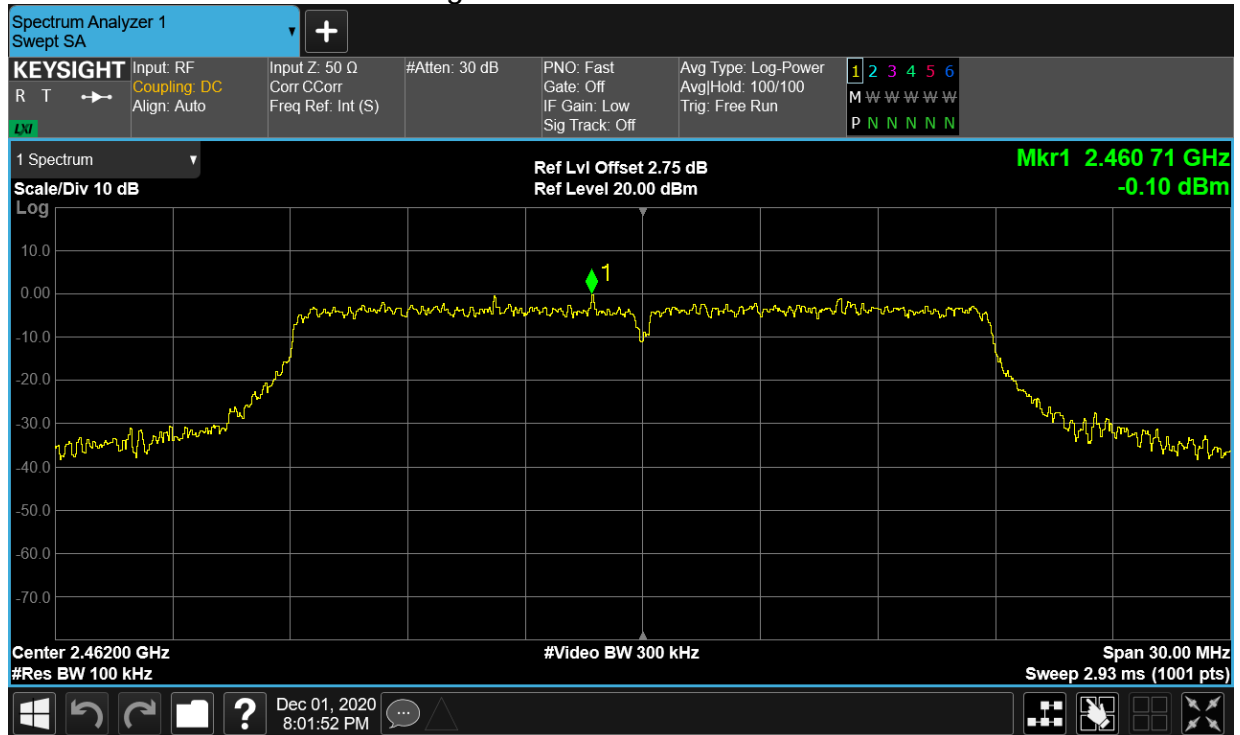
Band Edge NVNT n20 2412MHz Ant1 Ref



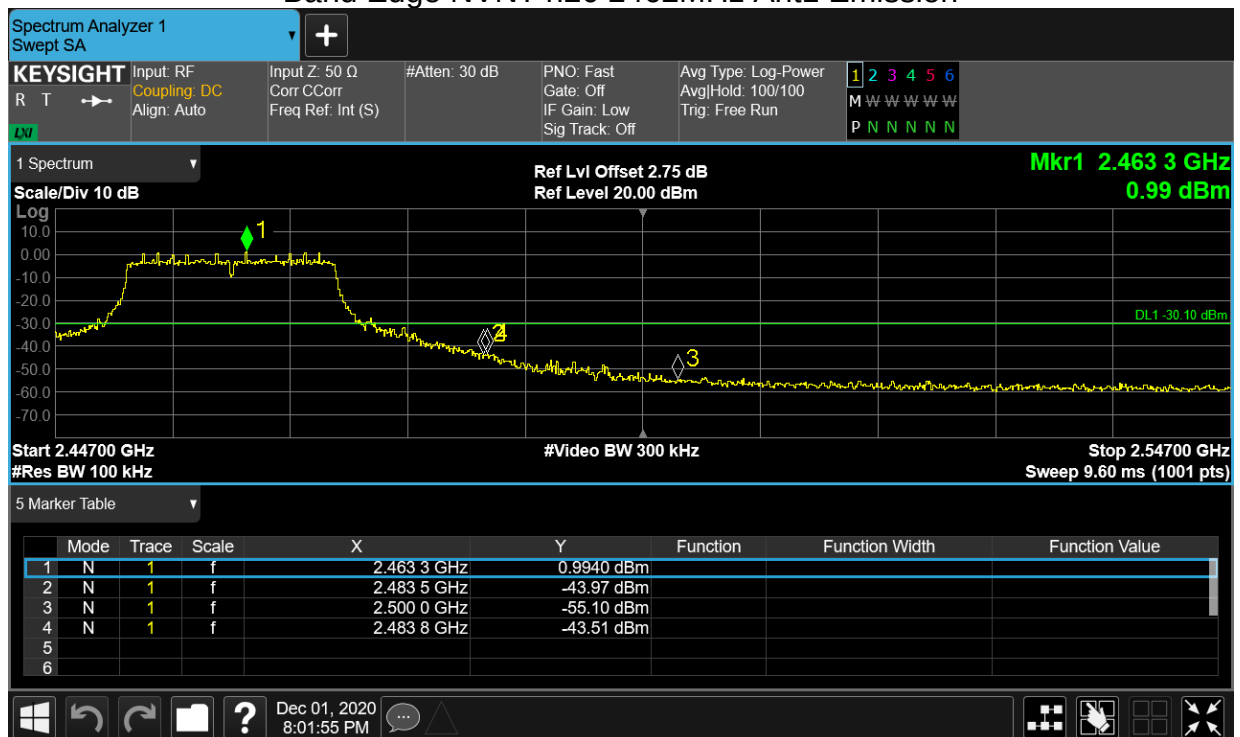
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission

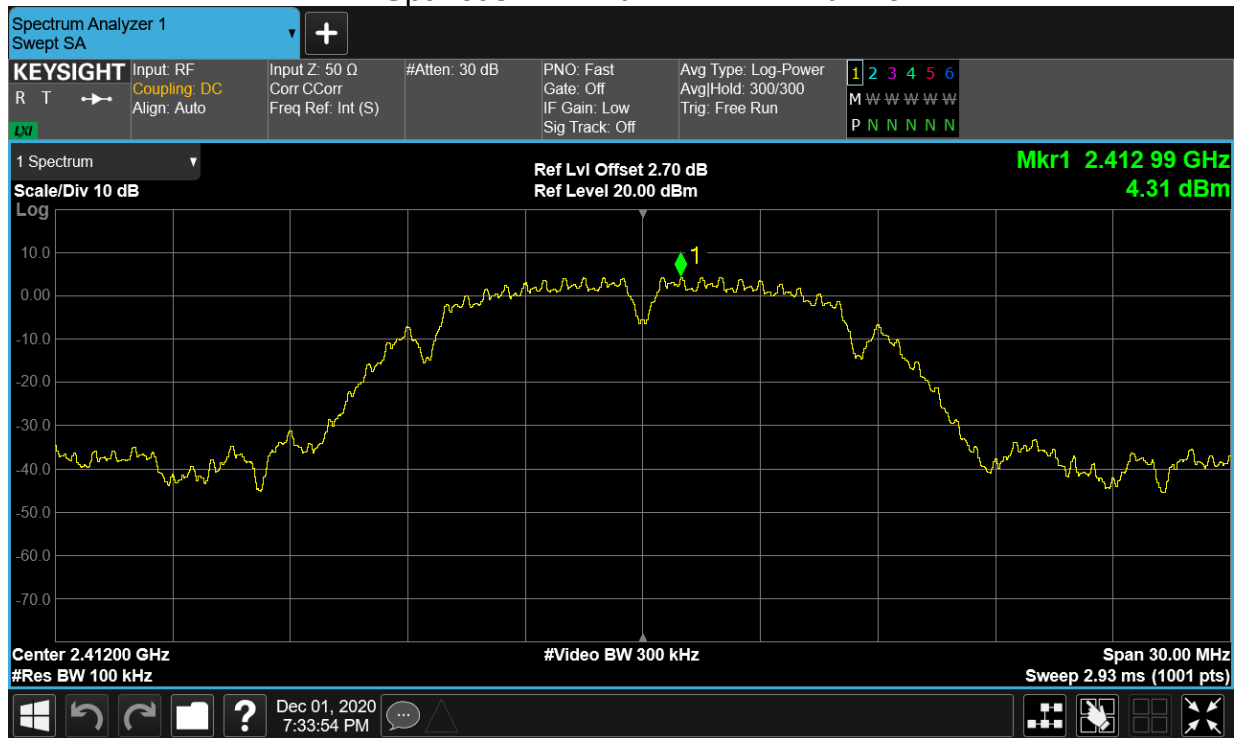


Conducted RF Spurious Emission

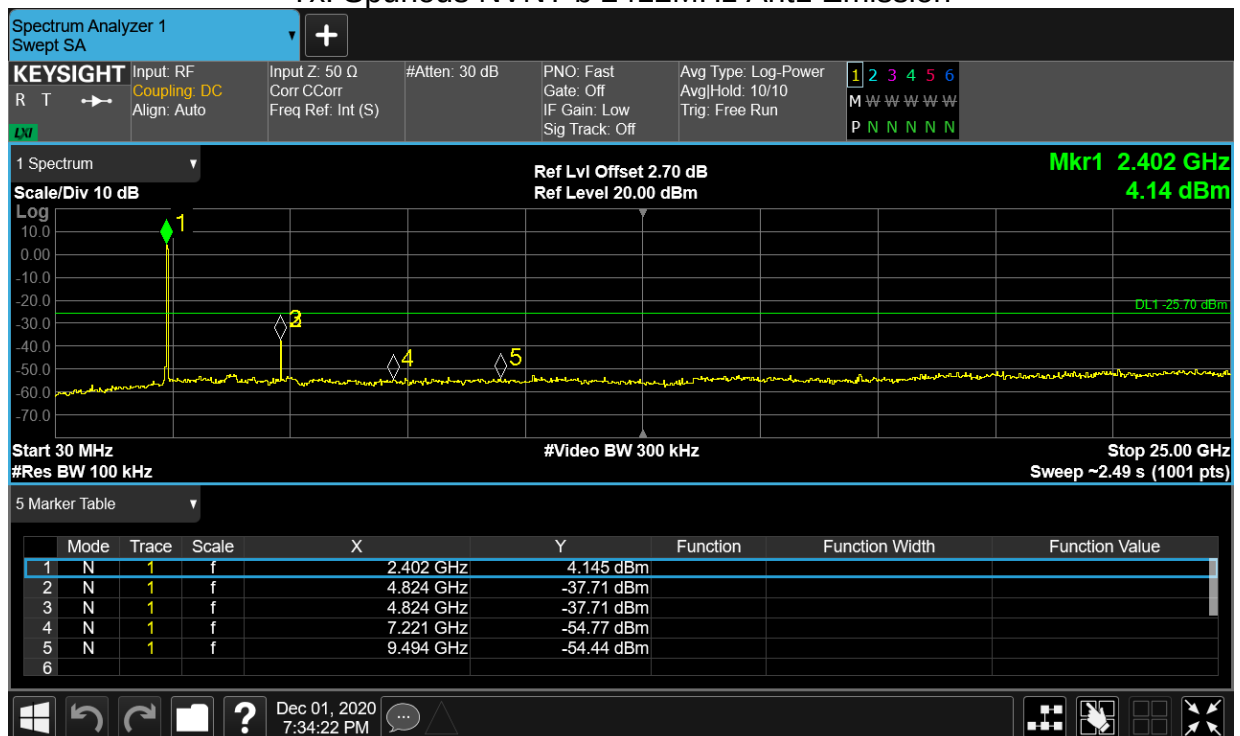
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-42.02	-30	Pass
NVNT	b	2437	Ant1	-43.61	-30	Pass
NVNT	b	2462	Ant1	-44.23	-30	Pass
NVNT	g	2412	Ant1	-48.61	-30	Pass
NVNT	g	2437	Ant1	-47.86	-30	Pass
NVNT	g	2462	Ant1	-43.65	-30	Pass

NVNT	n20	2412	Ant1	-50.38	-30	Pass
NVNT	n20	2437	Ant1	-53.95	-30	Pass
NVNT	n20	2462	Ant1	-50.36	-30	Pass

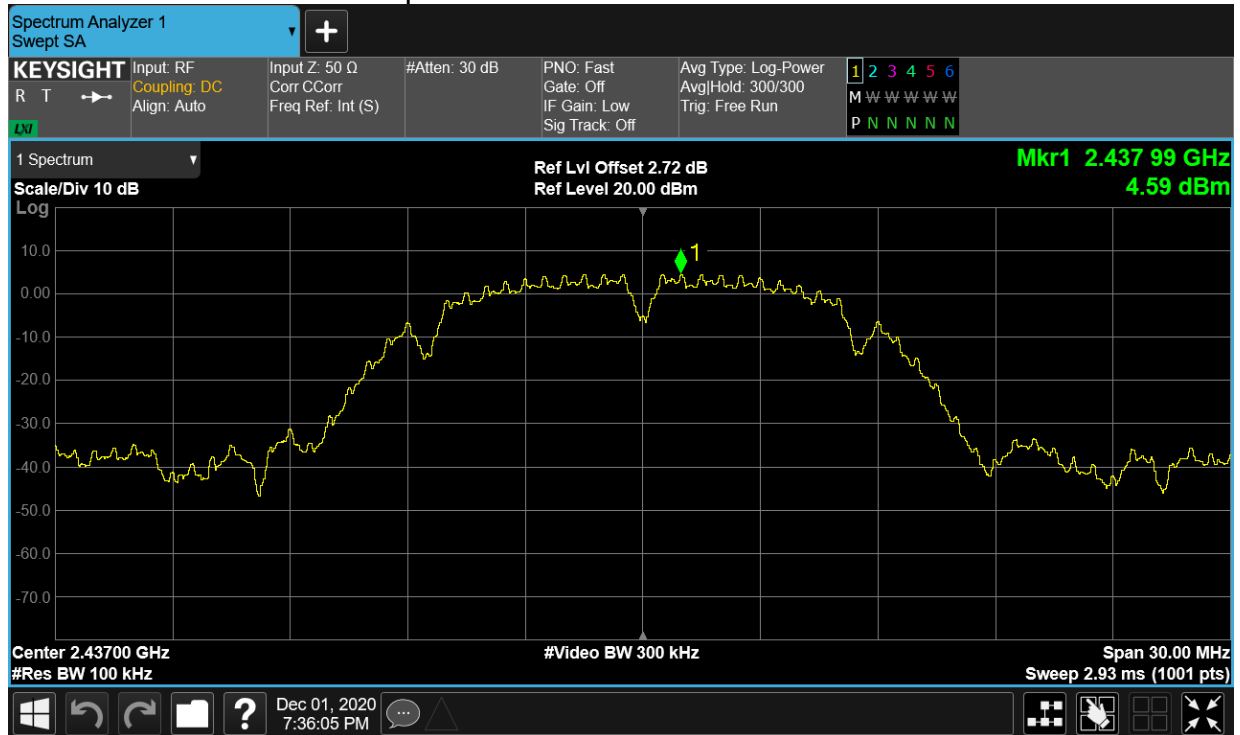
Tx. Spurious NVNT b 2412MHz Ant1 Ref



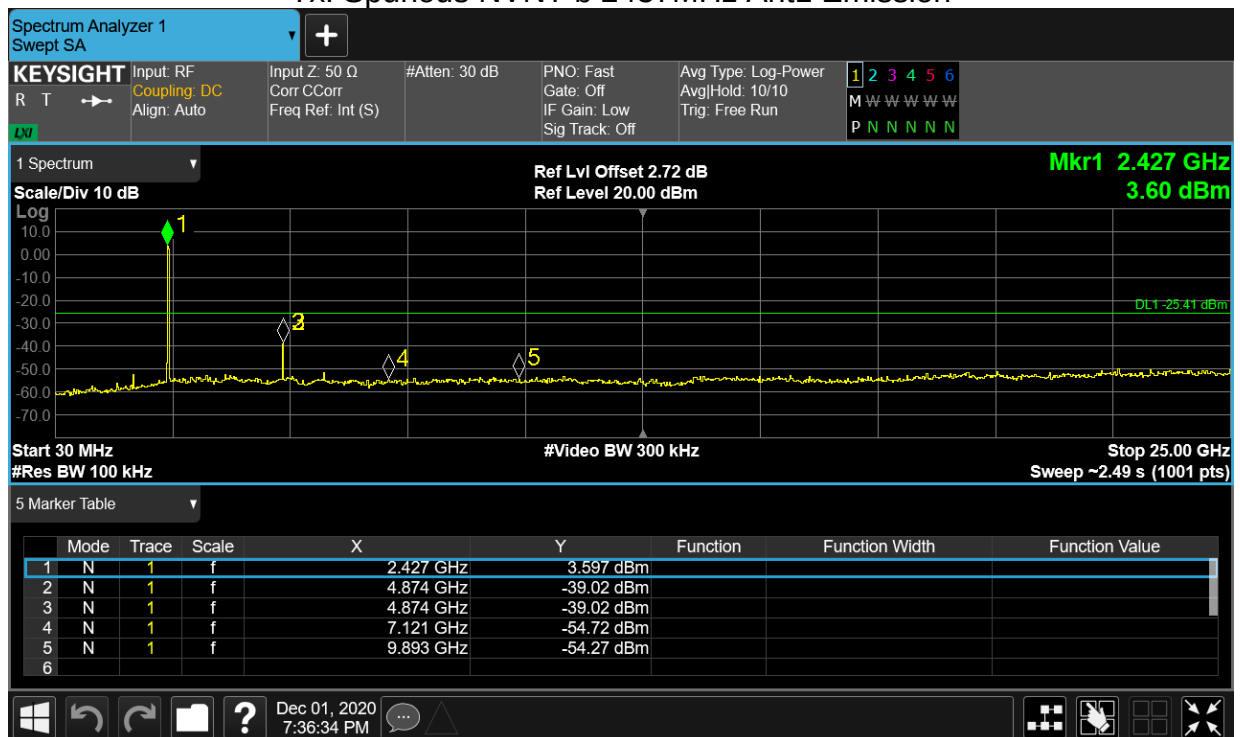
Tx. Spurious NVNT b 2412MHz Ant1 Emission



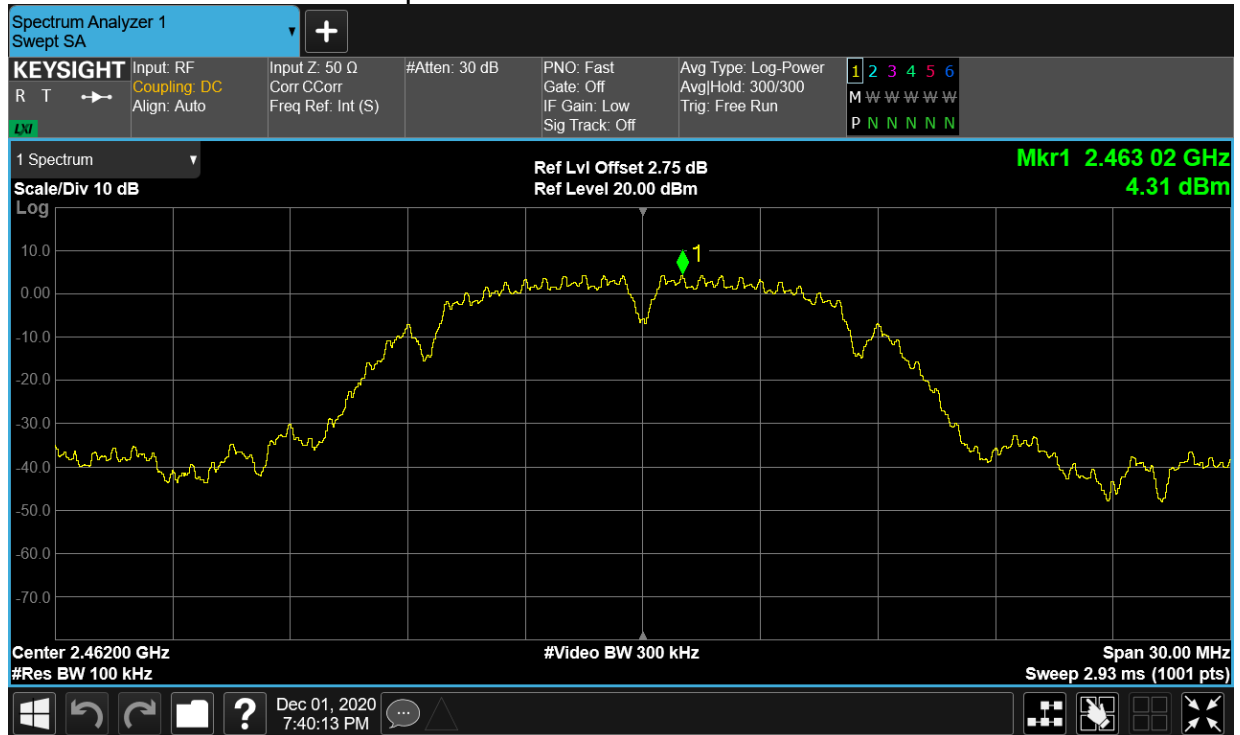
Tx. Spurious NVNT b 2437MHz Ant1 Ref



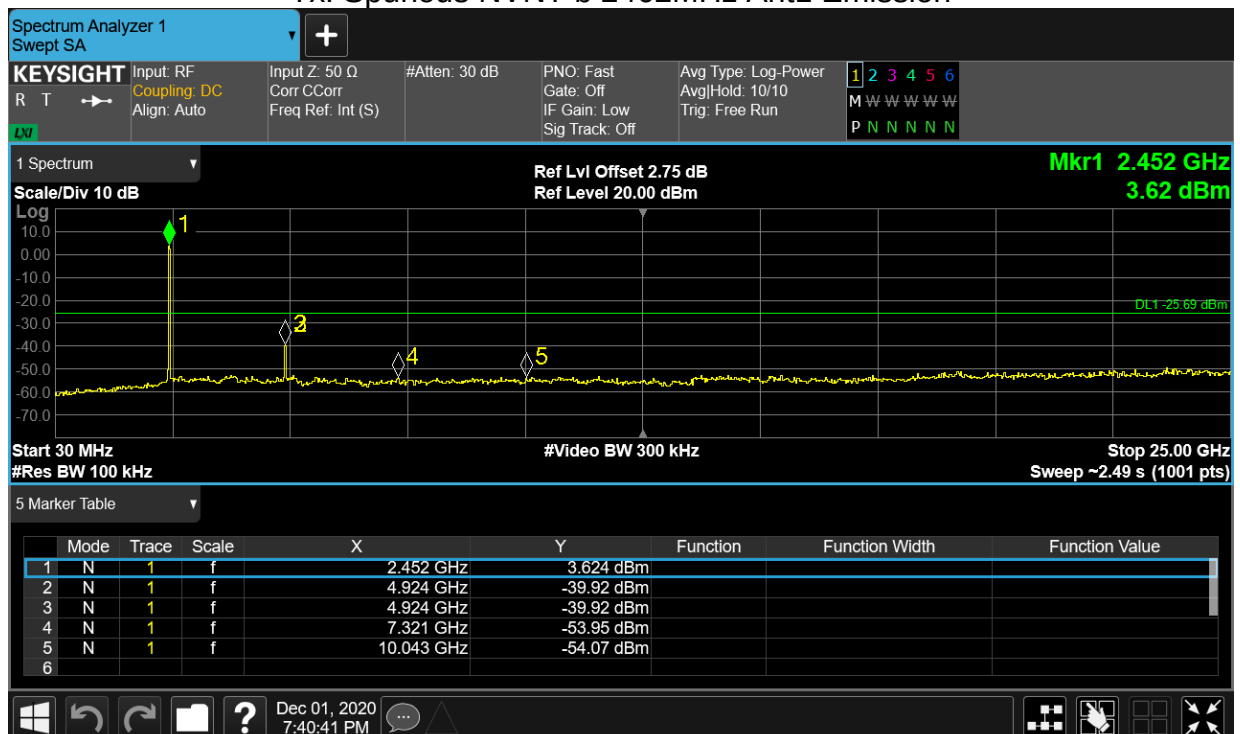
Tx. Spurious NVNT b 2437MHz Ant1 Emission



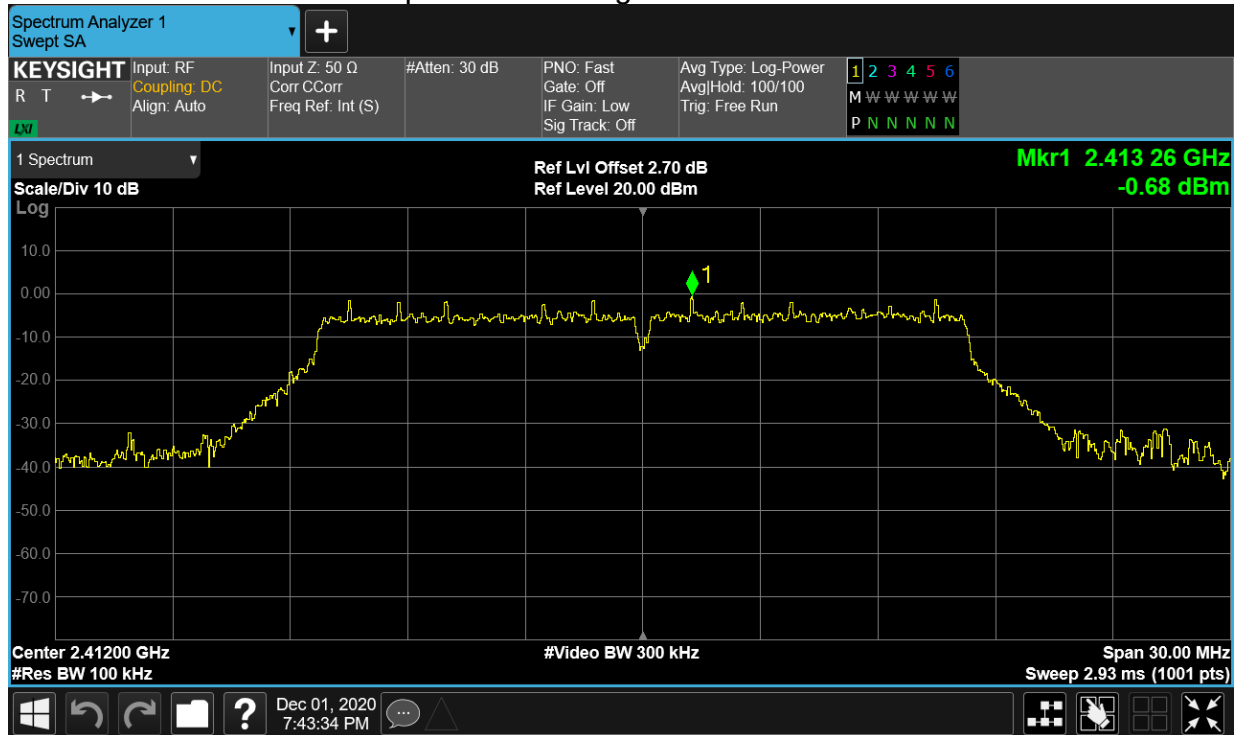
Tx. Spurious NVNT b 2462MHz Ant1 Ref



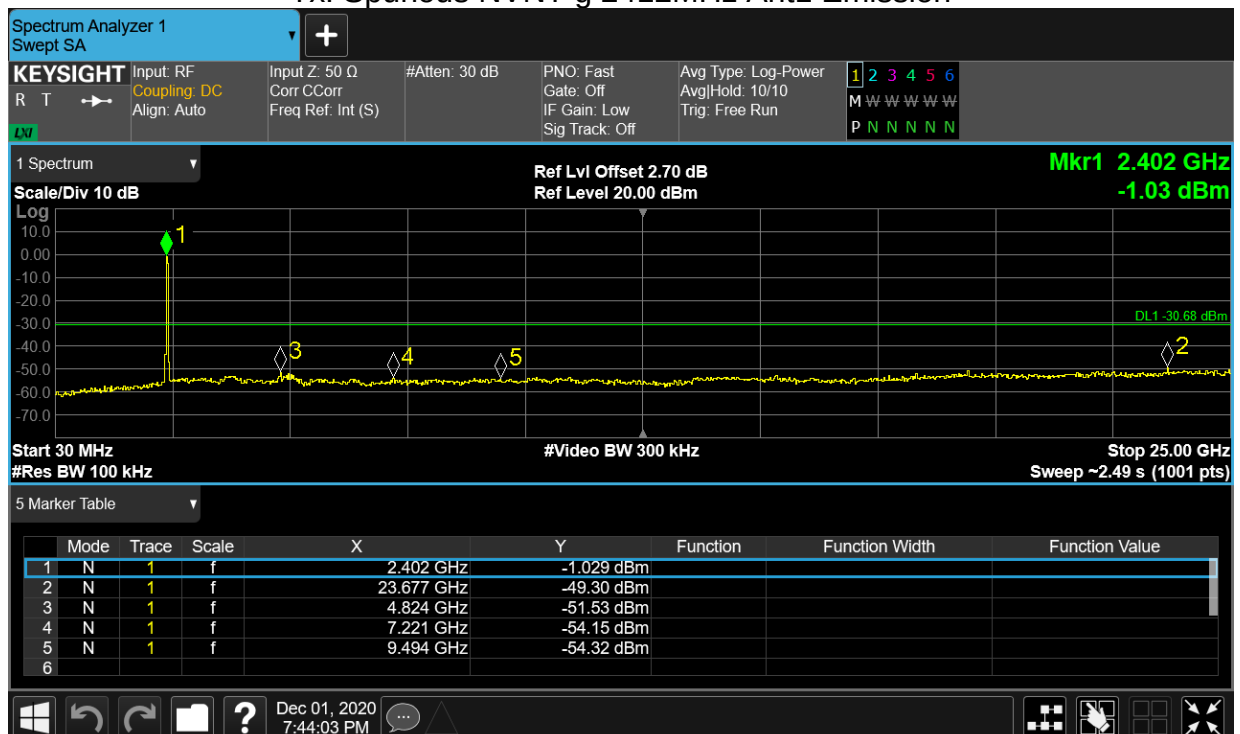
Tx. Spurious NVNT b 2462MHz Ant1 Emission



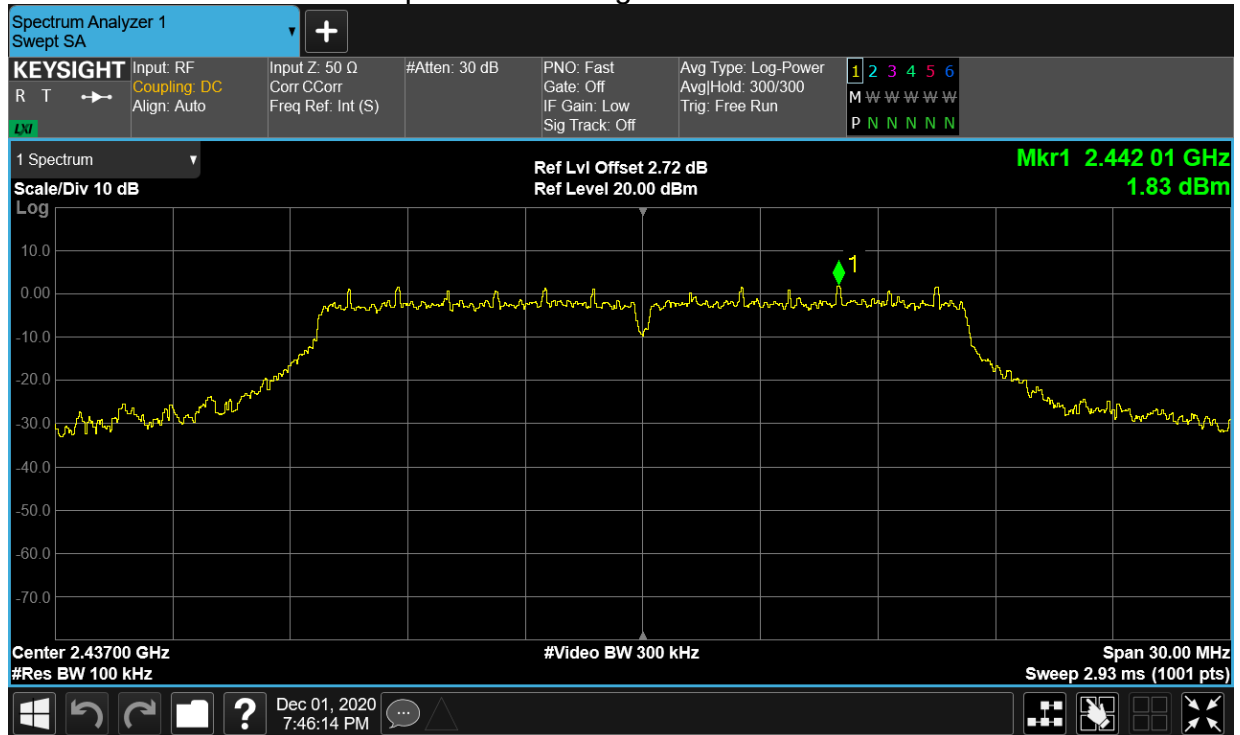
Tx. Spurious NVNT g 2412MHz Ant1 Ref



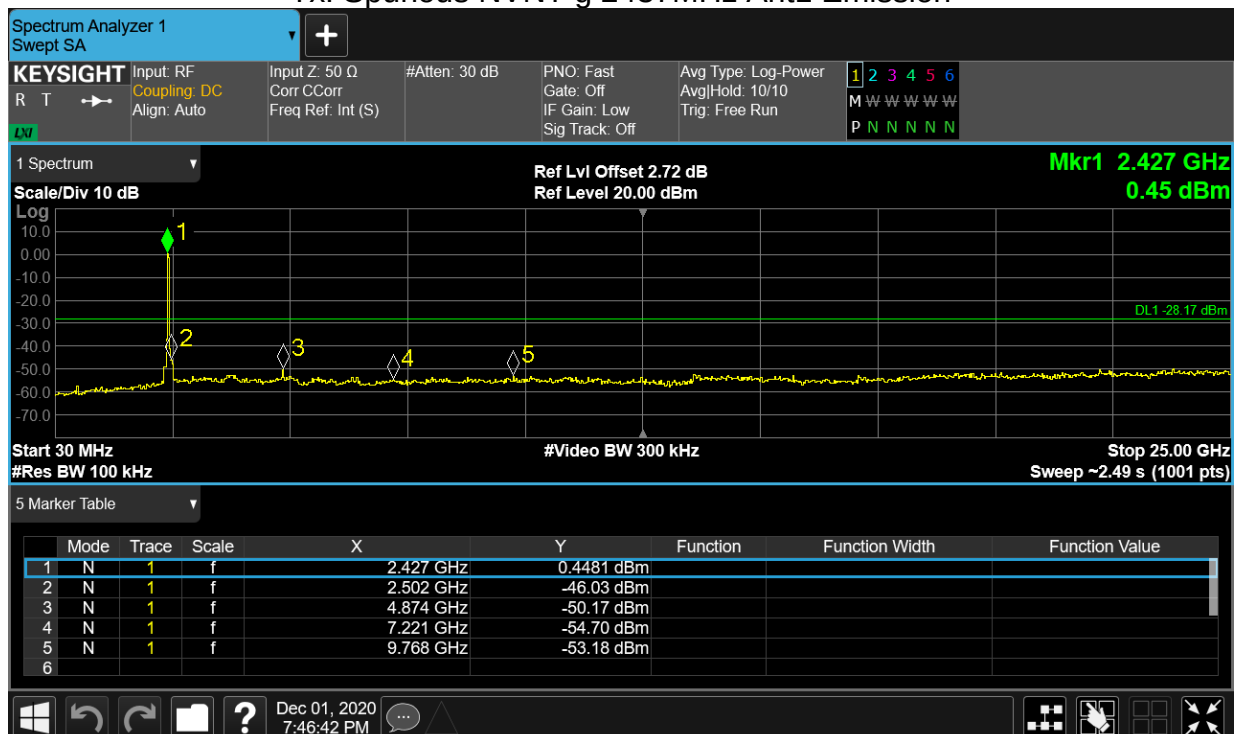
Tx. Spurious NVNT g 2412MHz Ant1 Emission



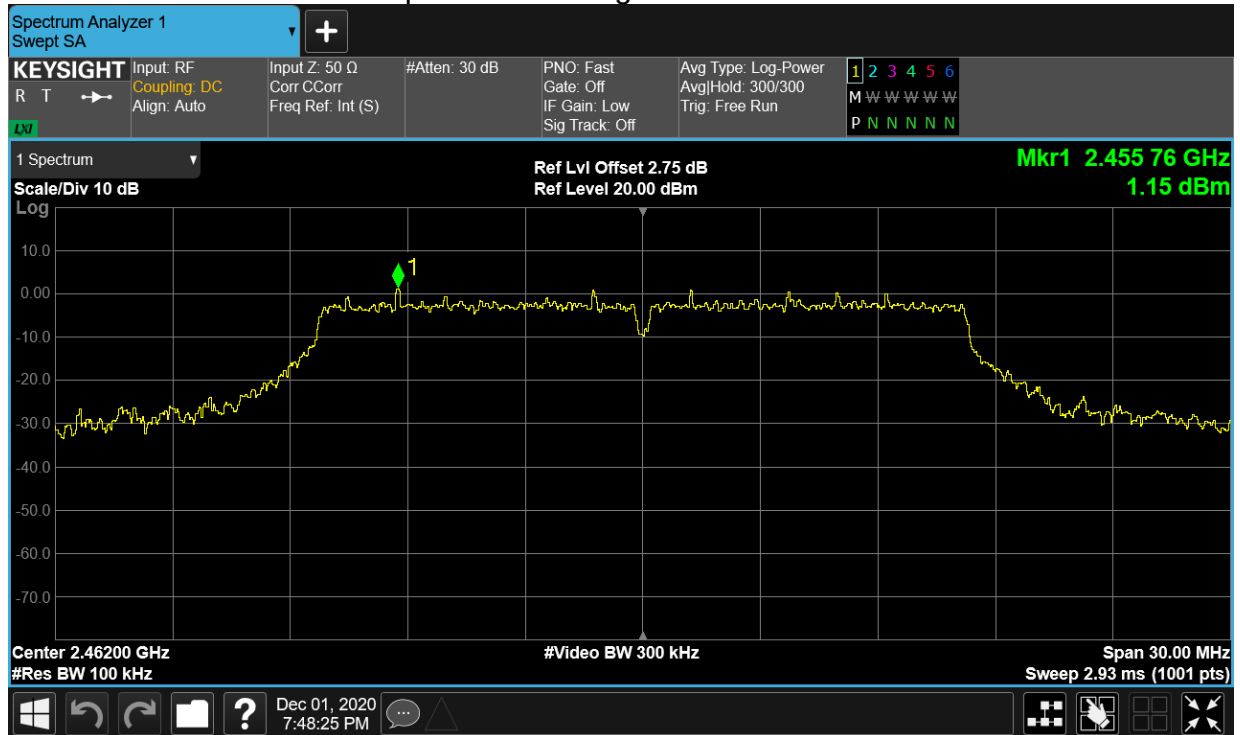
Tx. Spurious NVNT g 2437MHz Ant1 Ref



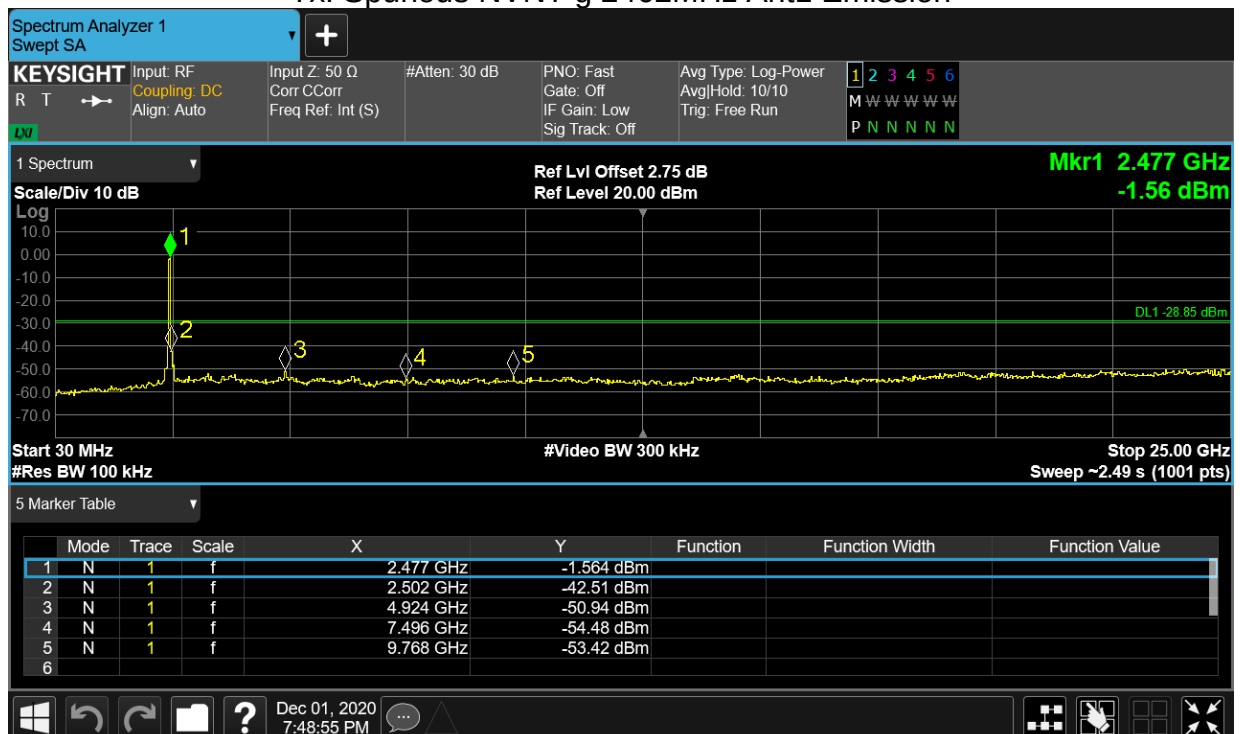
Tx. Spurious NVNT g 2437MHz Ant1 Emission



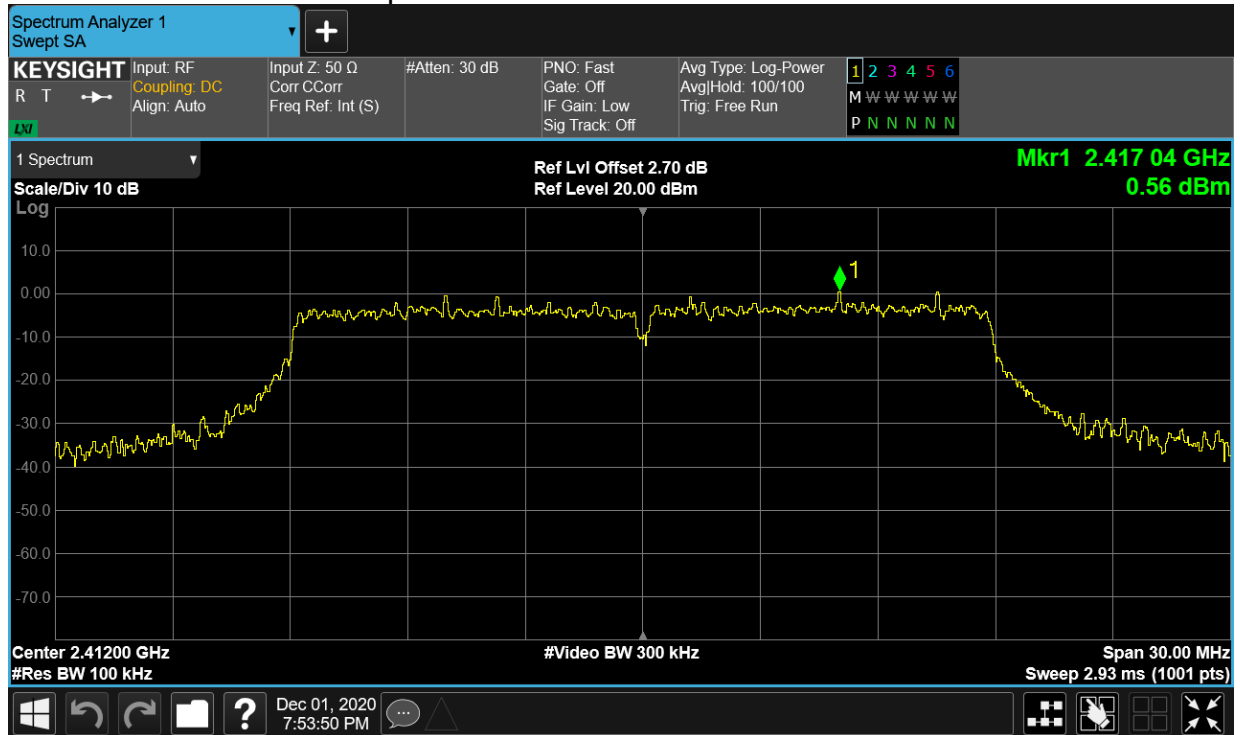
Tx. Spurious NVNT g 2462MHz Ant1 Ref



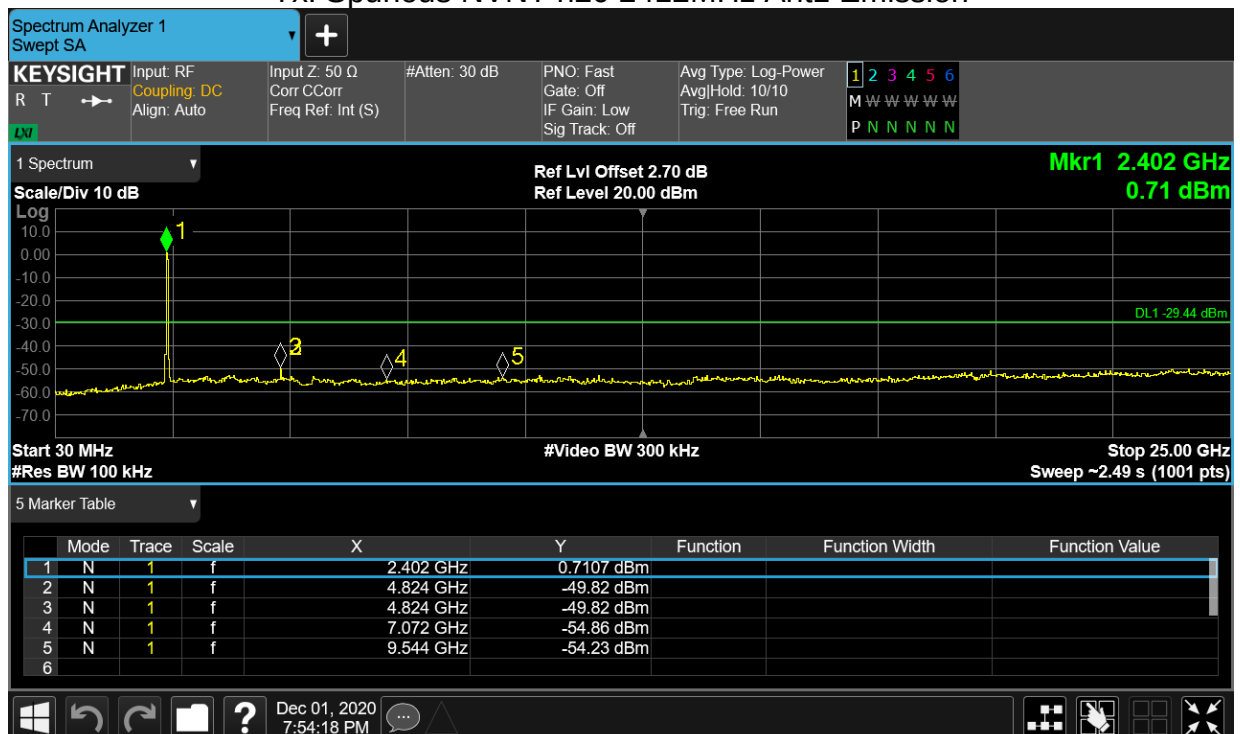
Tx. Spurious NVNT g 2462MHz Ant1 Emission



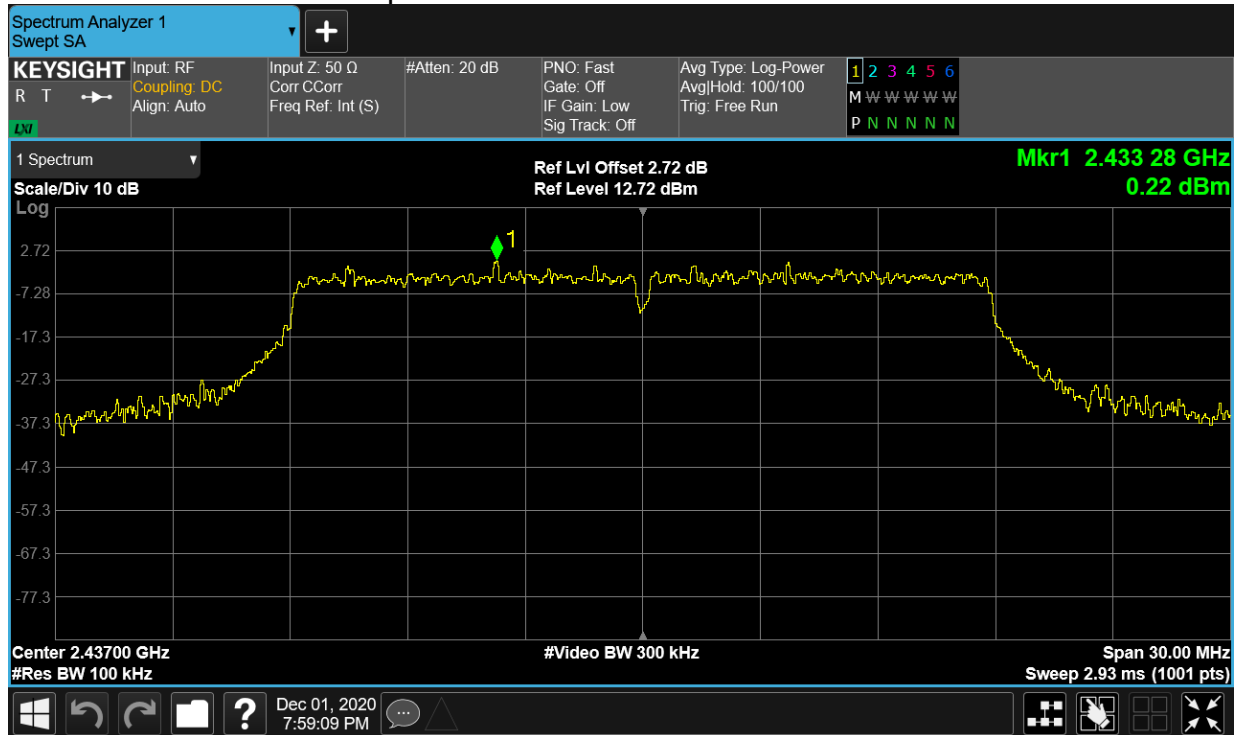
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



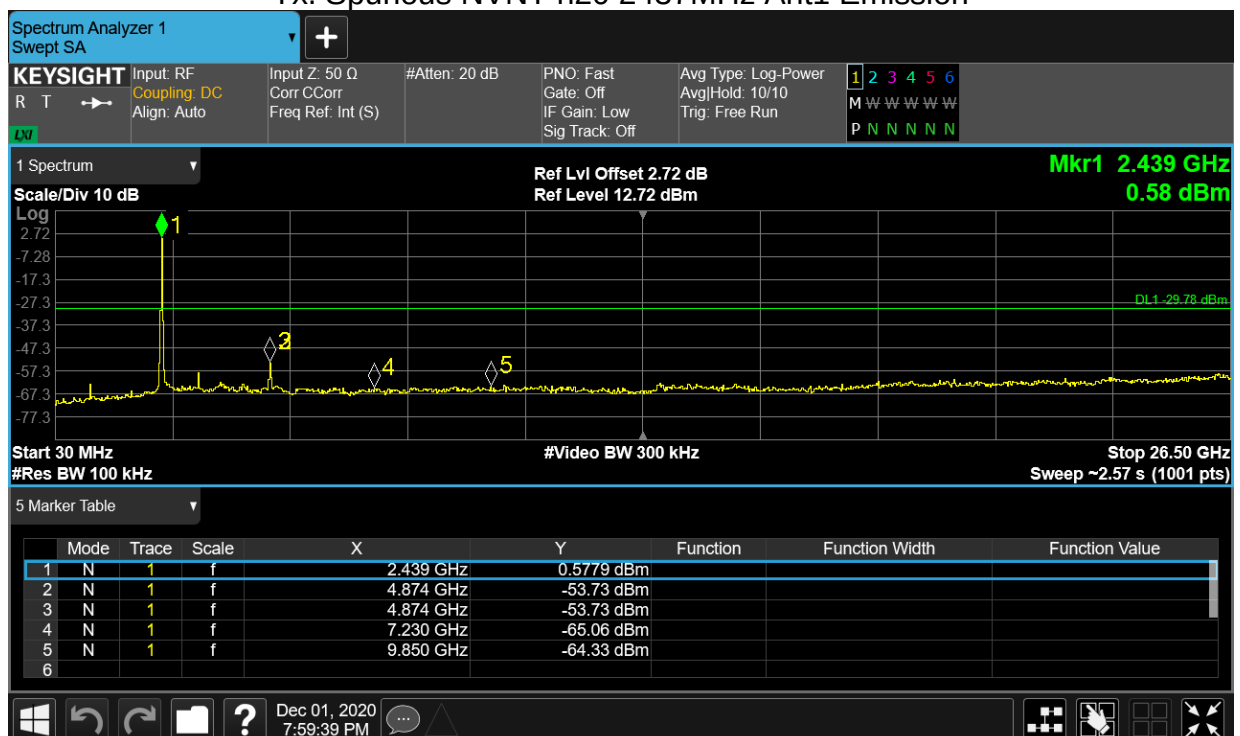
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



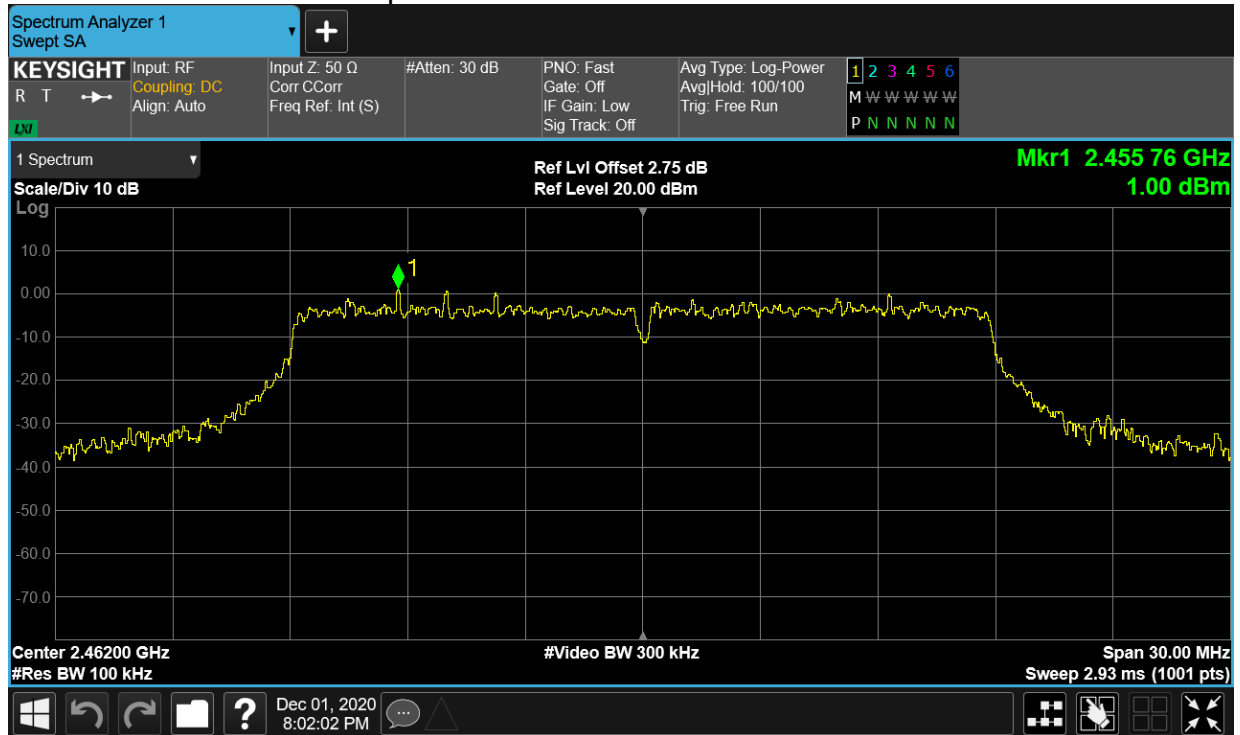
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



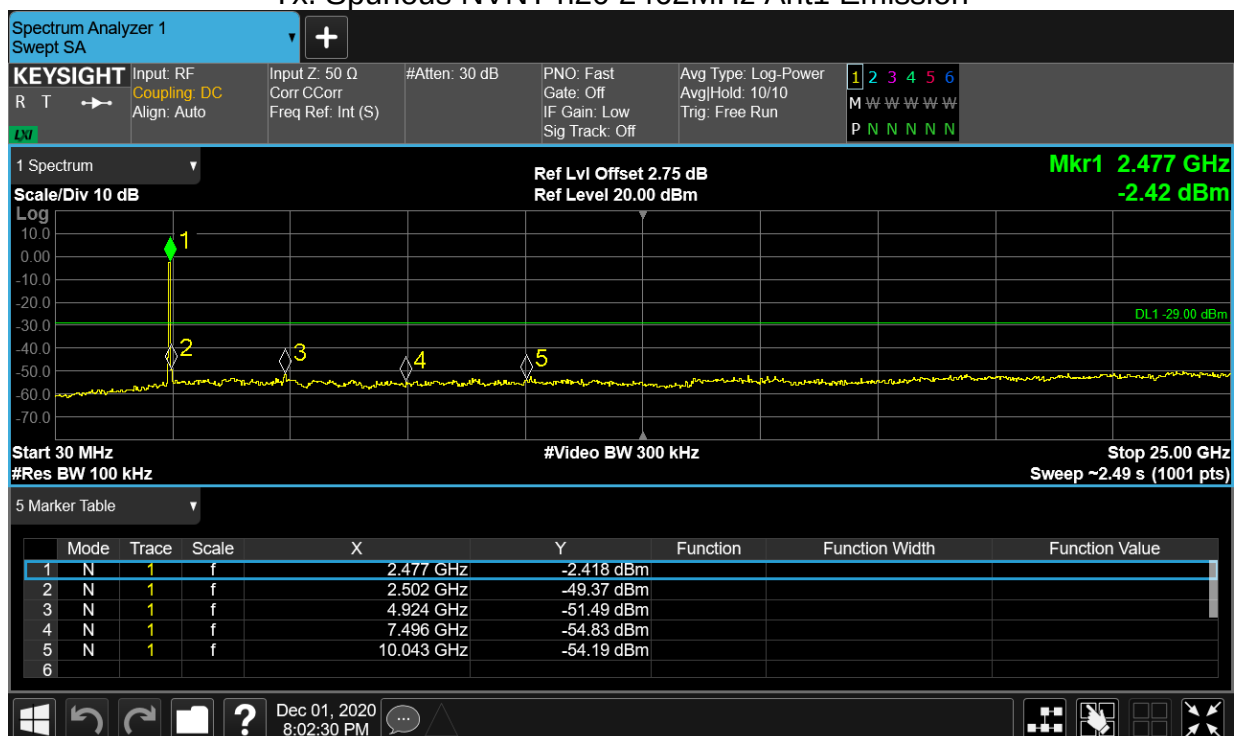
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission



-----End of report-----