



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: projector

Test Model: Sun700

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



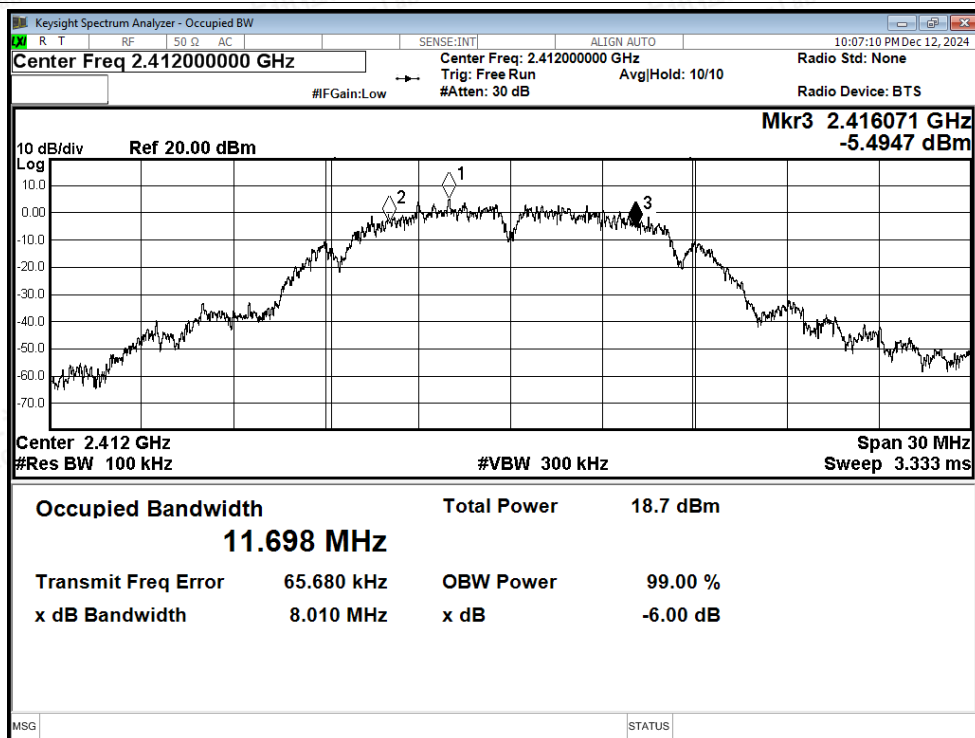
C.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant3	8.01	0.5	Pass
NVNT	b	2437	Ant3	7.084	0.5	Pass
NVNT	b	2462	Ant3	8.057	0.5	Pass
NVNT	g	2412	Ant3	15.749	0.5	Pass
NVNT	g	2437	Ant3	16.418	0.5	Pass
NVNT	g	2462	Ant3	15.46	0.5	Pass
NVNT	n20	2412	Ant3	17.383	0.5	Pass
NVNT	n20	2437	Ant3	17.51	0.5	Pass
NVNT	n20	2462	Ant3	17.363	0.5	Pass
NVNT	n40	2422	Ant3	35.31	0.5	Pass
NVNT	n40	2437	Ant3	35.568	0.5	Pass
NVNT	n40	2452	Ant3	34.711	0.5	Pass
NVNT	ax20	2412	Ant3	16.581	0.5	Pass
NVNT	ax20	2437	Ant3	17.412	0.5	Pass
NVNT	ax20	2462	Ant3	17.595	0.5	Pass
NVNT	ax40	2422	Ant3	35.657	0.5	Pass
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NVNT	ax40	2452	Ant3	35.608	0.5	Pass

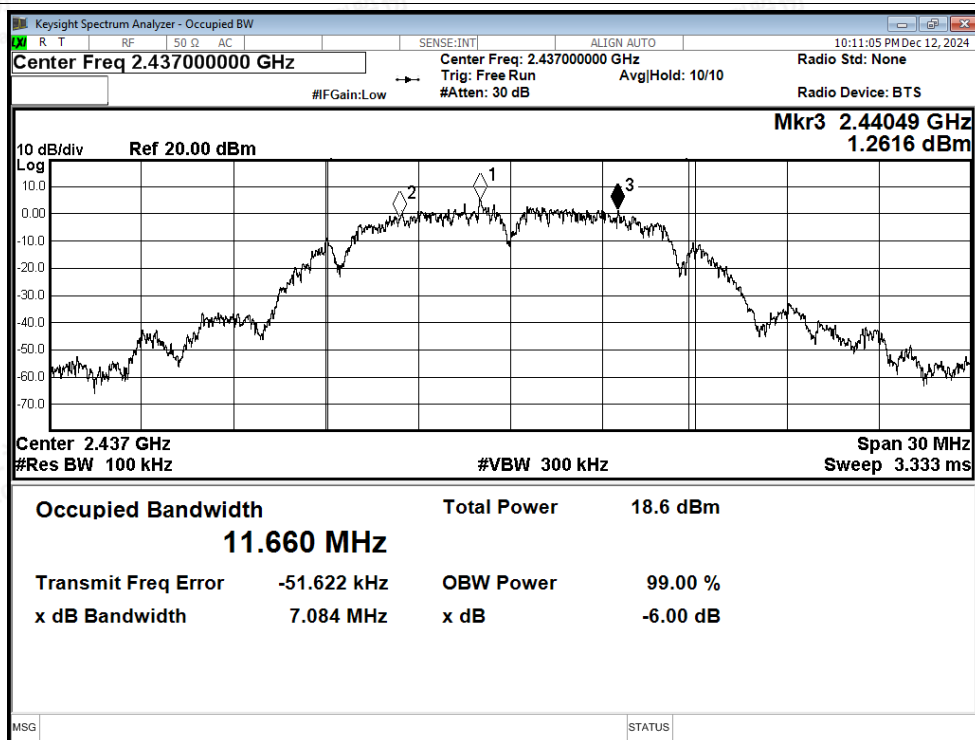


Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant3

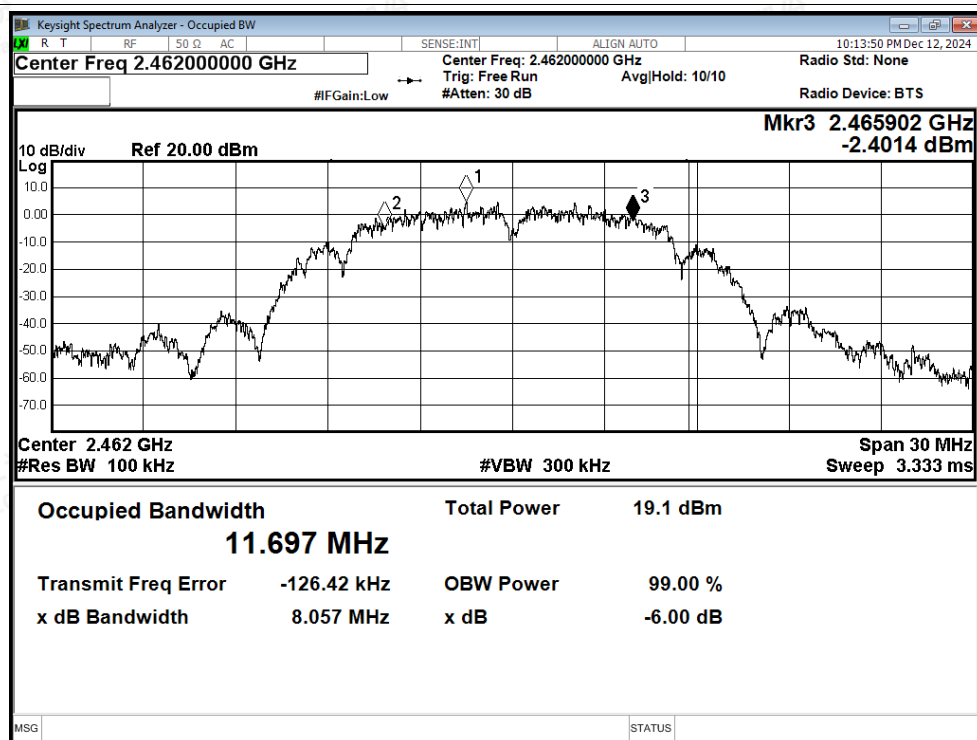


-6dB Bandwidth NVNT b 2437MHz Ant3

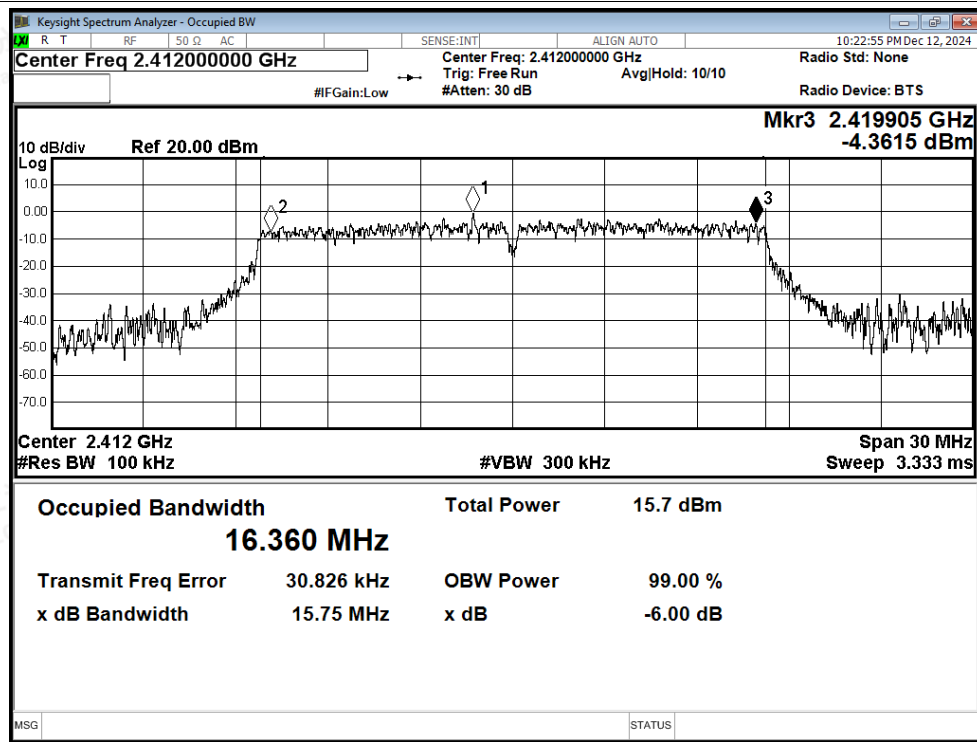




-6dB Bandwidth NVNT b 2462MHz Ant3

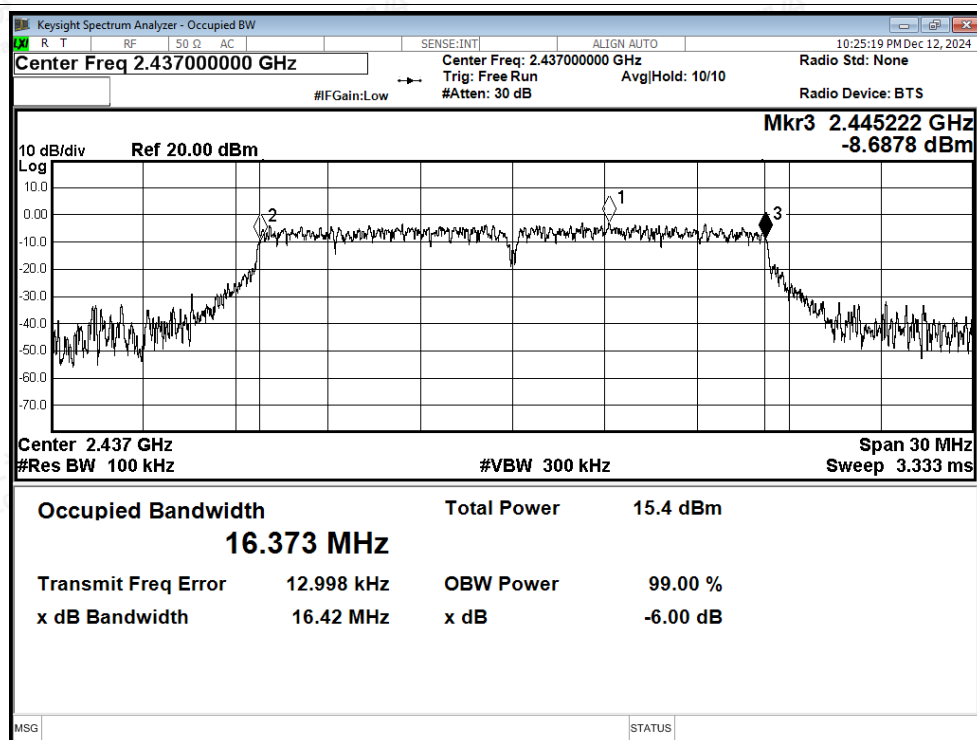


-6dB Bandwidth NVNT g 2412MHz Ant3

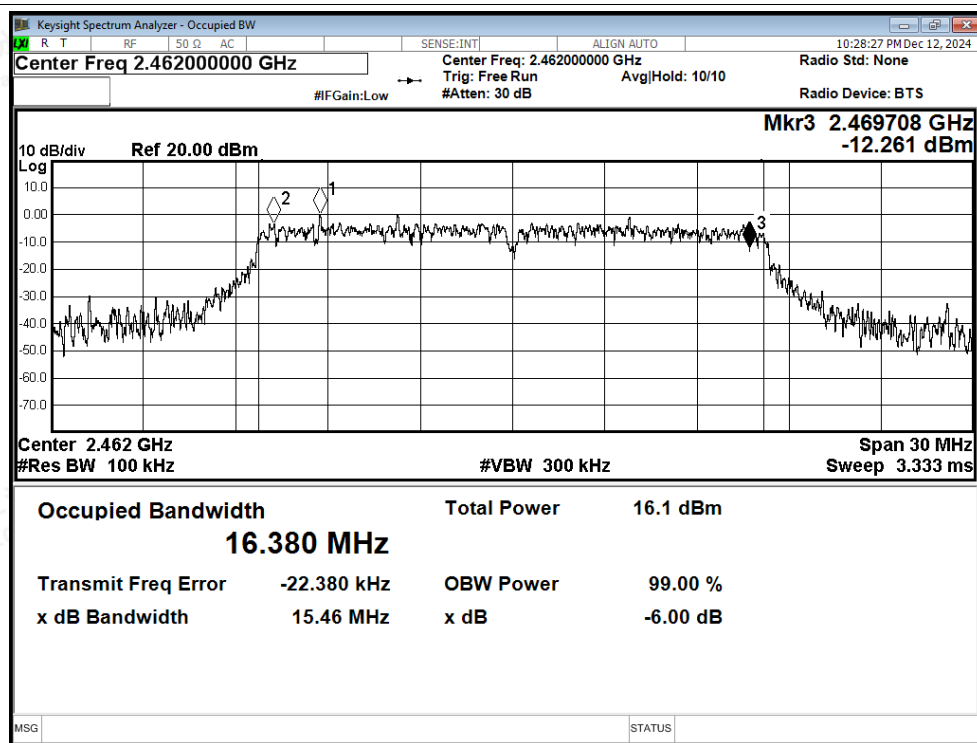




-6dB Bandwidth NVNT g 2437MHz Ant3

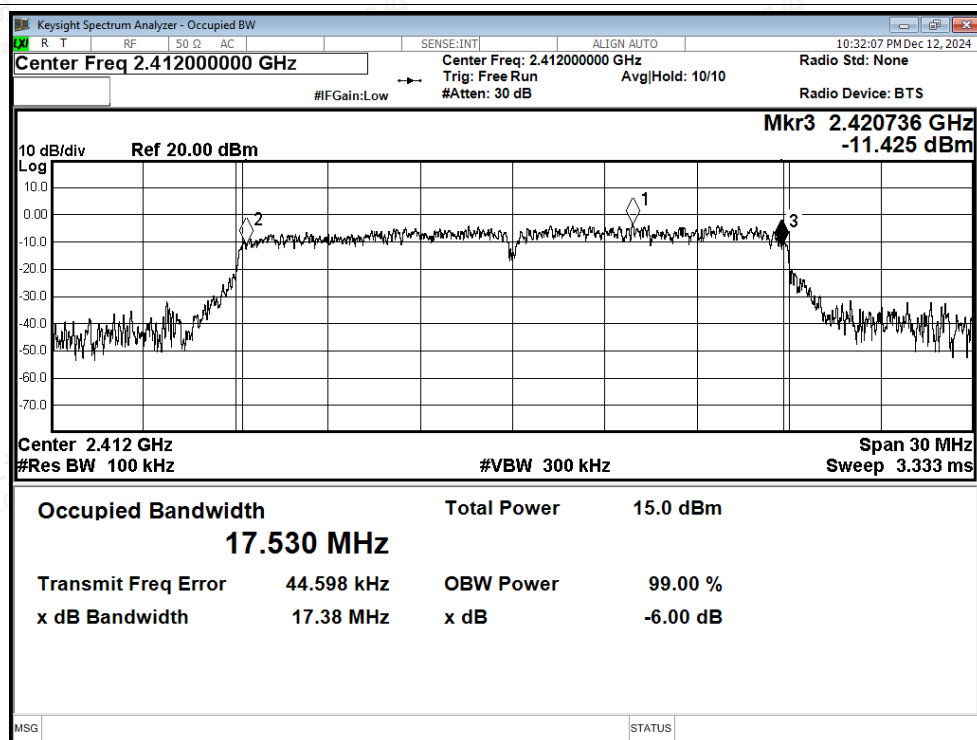


-6dB Bandwidth NVNT g 2462MHz Ant3

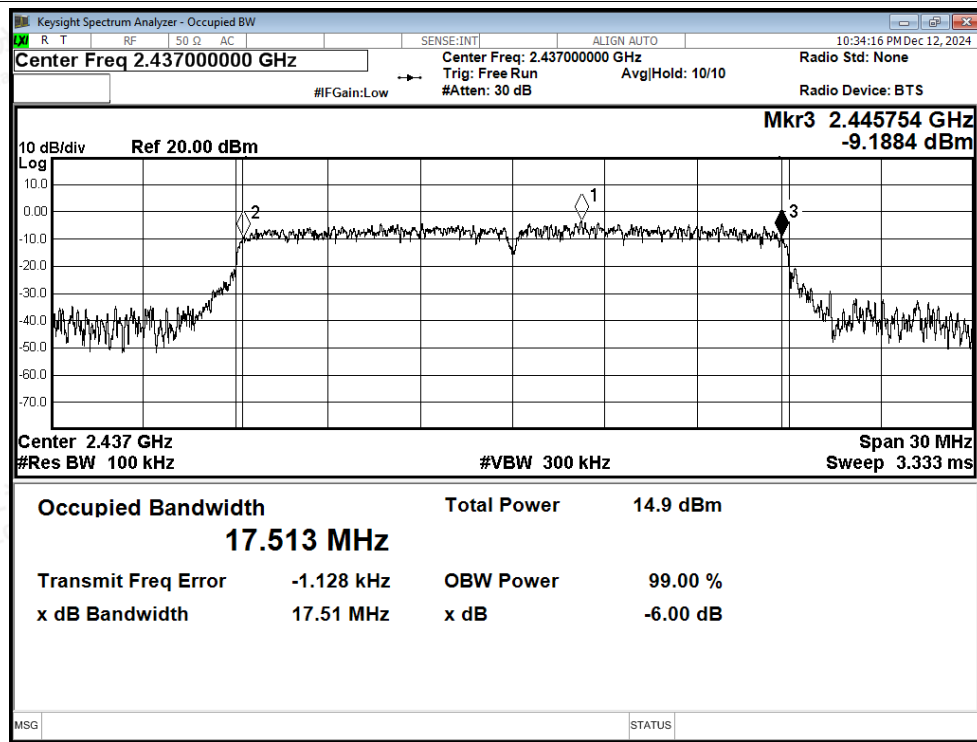




-6dB Bandwidth NVNT n20 2412MHz Ant3

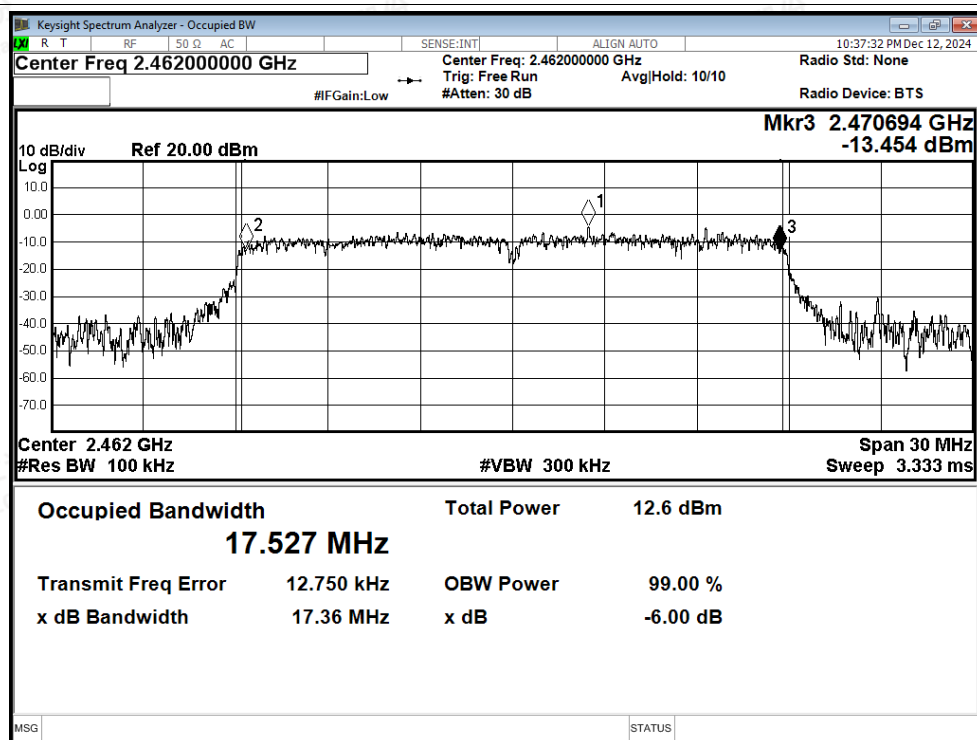


-6dB Bandwidth NVNT n20 2437MHz Ant3

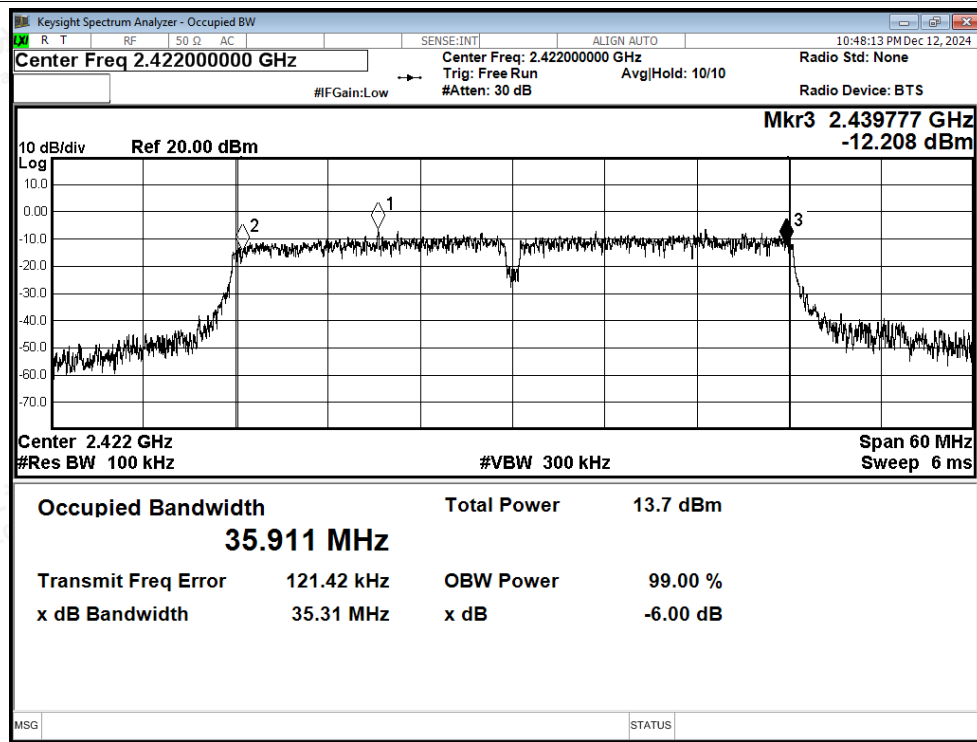




-6dB Bandwidth NVNT n20 2462MHz Ant3

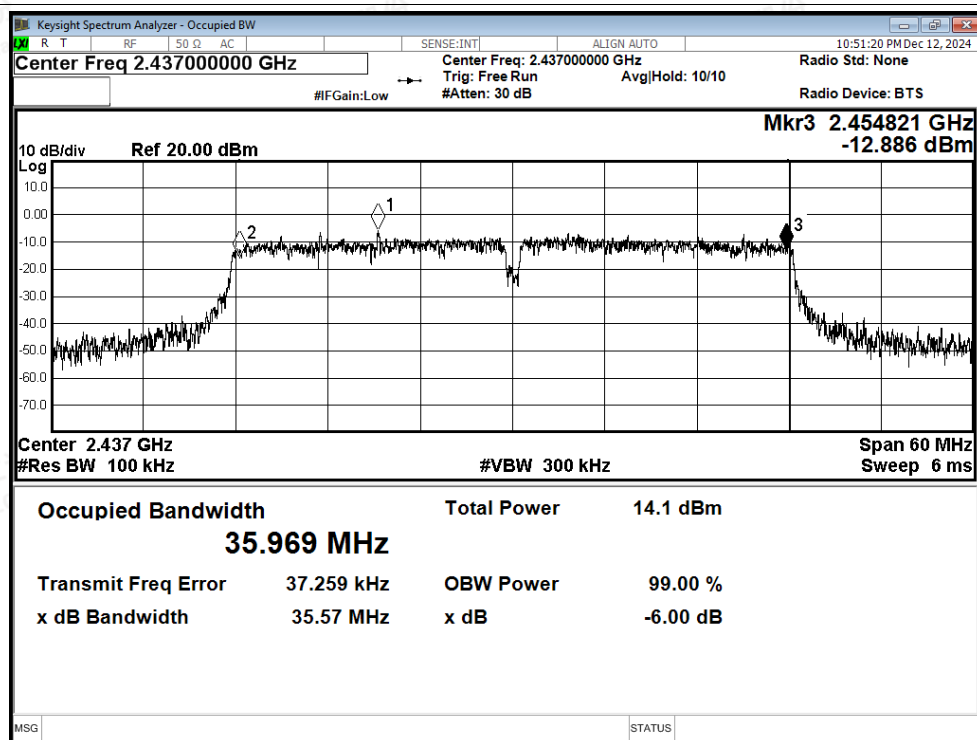


-6dB Bandwidth NVNT n40 2422MHz Ant3

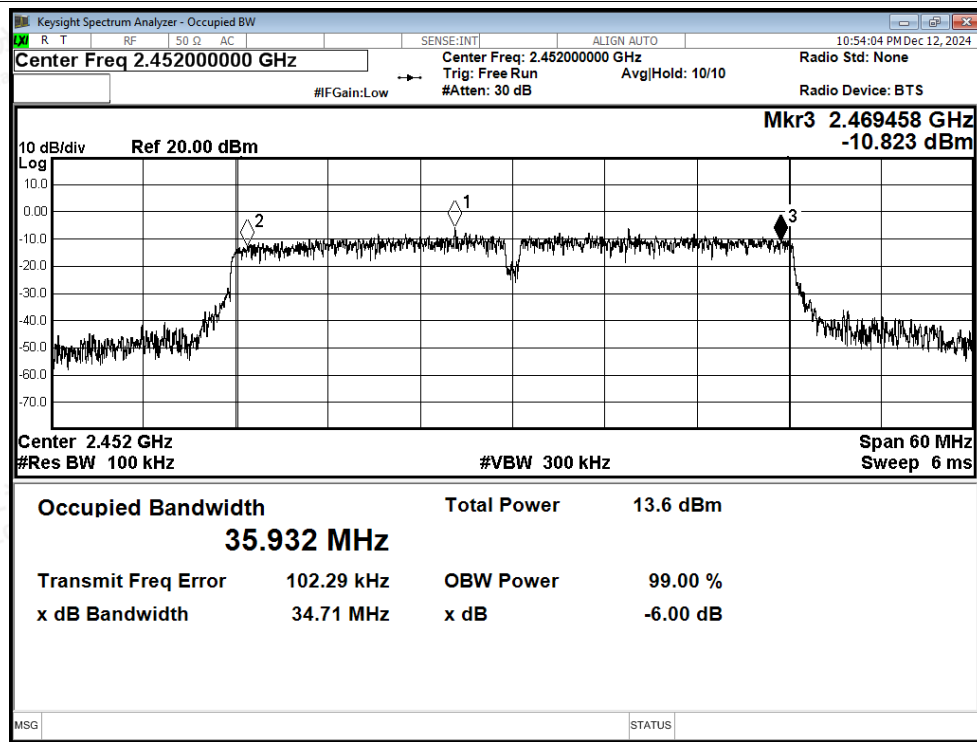




-6dB Bandwidth NVNT n40 2437MHz Ant3

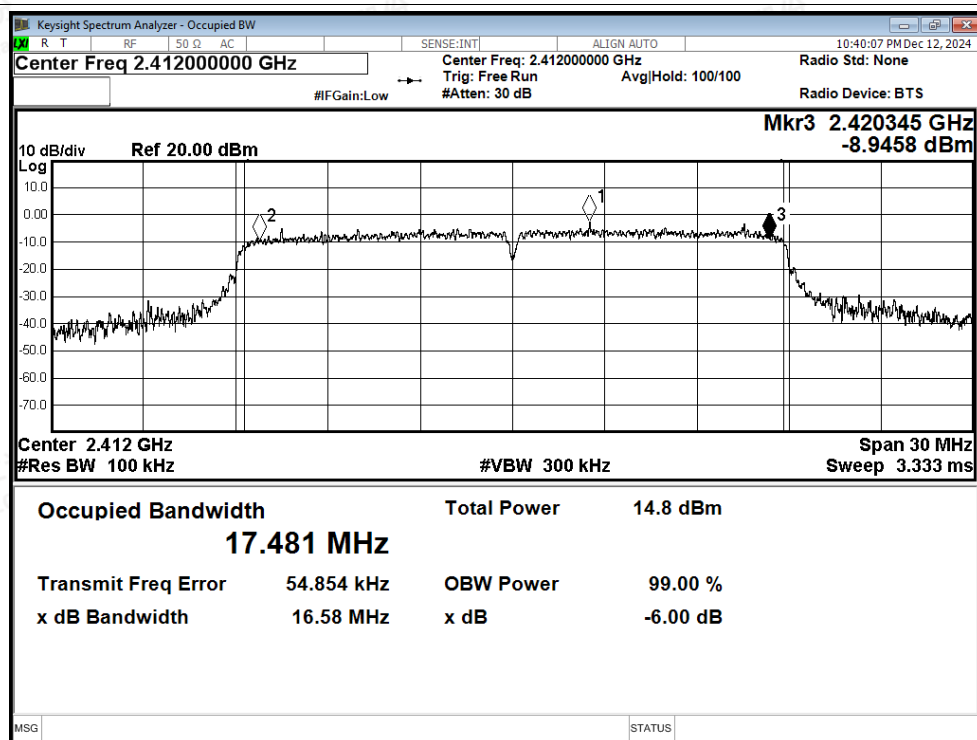


-6dB Bandwidth NVNT n40 2452MHz Ant3

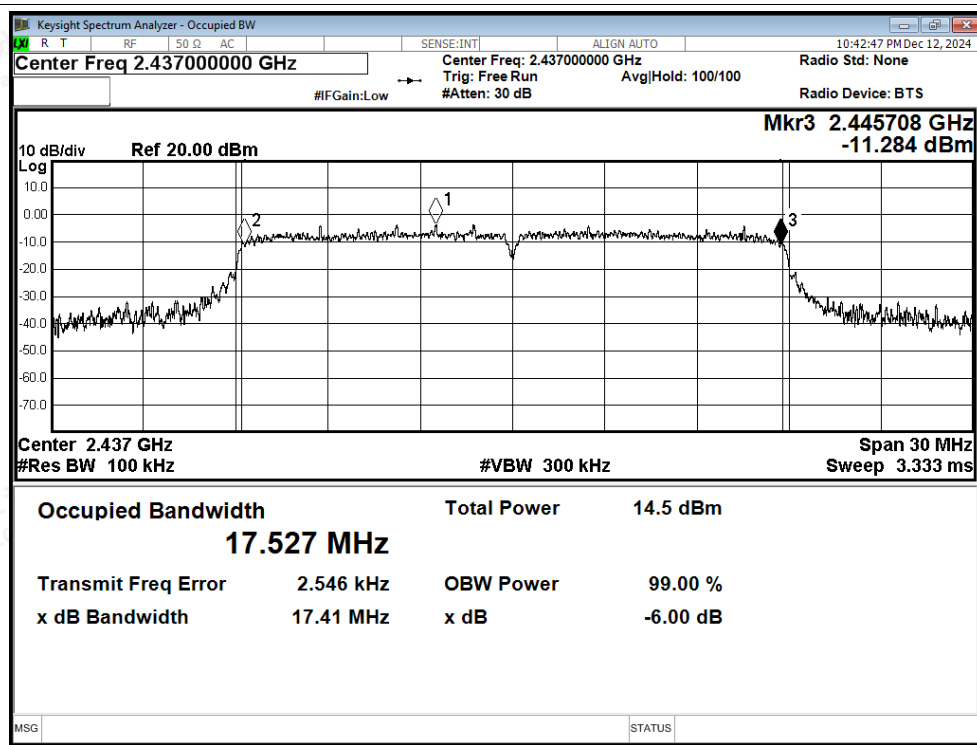




-6dB Bandwidth NVNT ax20 2412MHz Ant3

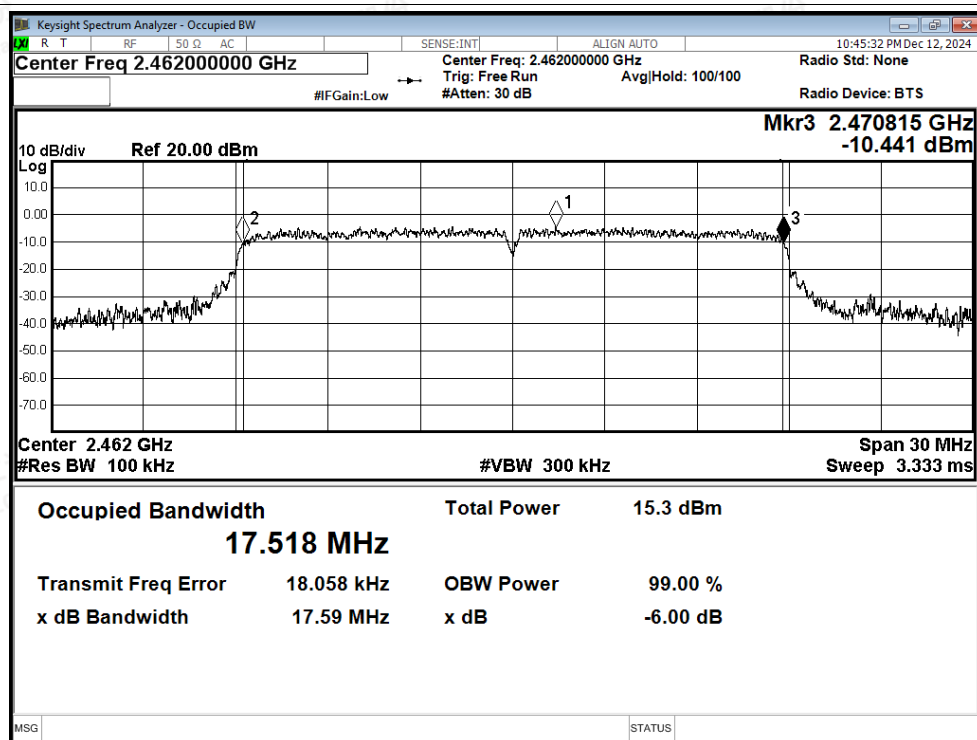


-6dB Bandwidth NVNT ax20 2437MHz Ant3

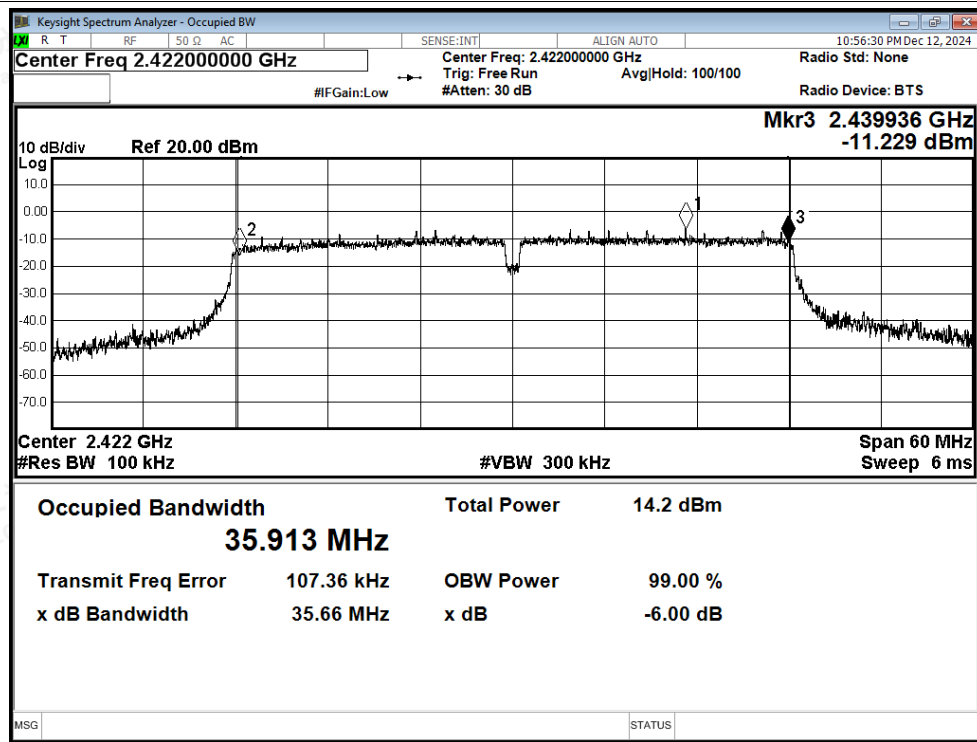




-6dB Bandwidth NVNT ax20 2462MHz Ant3

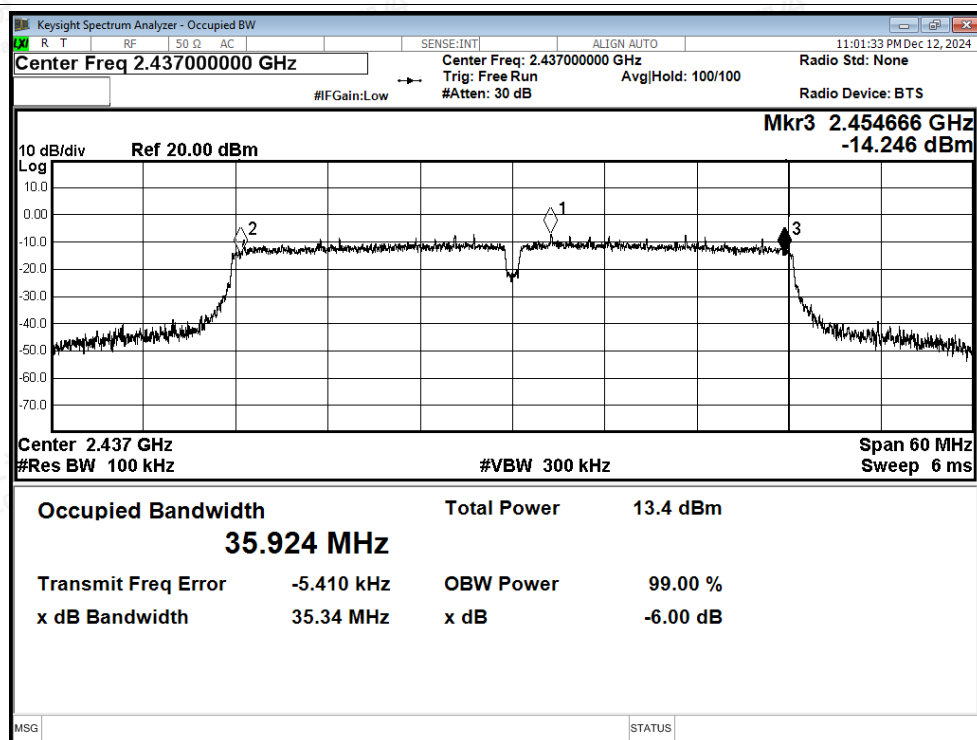


-6dB Bandwidth NVNT ax40 2422MHz Ant3

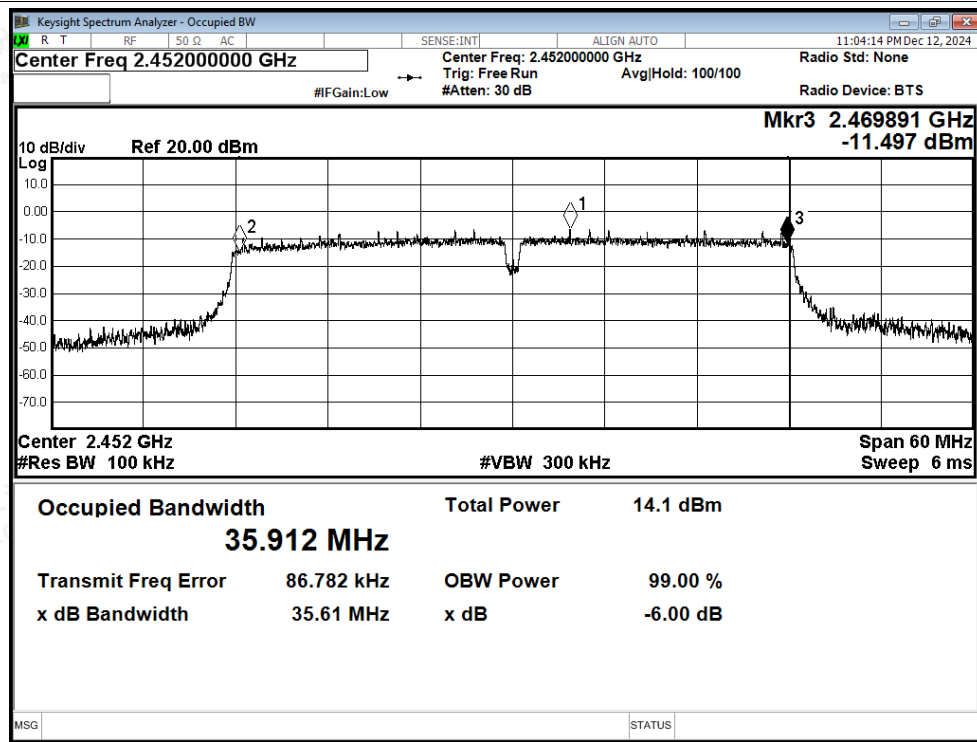




-6dB Bandwidth NVNT ax40 2437MHz Ant3



-6dB Bandwidth NVNT ax40 2452MHz Ant3





C.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant3	15.16	30	Pass
NVNT	b	2437	Ant3	15.08	30	Pass
NVNT	b	2462	Ant3	15.61	30	Pass
NVNT	g	2412	Ant3	14.38	30	Pass
NVNT	g	2437	Ant3	14.09	30	Pass
NVNT	g	2462	Ant3	14.75	30	Pass
NVNT	n20	2412	Ant3	13.6	30	Pass
NVNT	n20	2437	Ant3	13.42	30	Pass
NVNT	n20	2462	Ant3	12.96	30	Pass
NVNT	n40	2422	Ant3	12.05	30	Pass
NVNT	n40	2437	Ant3	12.38	30	Pass
NVNT	n40	2452	Ant3	11.97	30	Pass
NVNT	ax20	2412	Ant3	13.49	30	Pass
NVNT	ax20	2437	Ant3	13.11	30	Pass
NVNT	ax20	2462	Ant3	13.9	30	Pass
NVNT	ax40	2422	Ant3	12.68	30	Pass
NVNT	ax40	2437	Ant3	11.86	30	Pass
NVNT	ax40	2452	Ant3	12.56	30	Pass



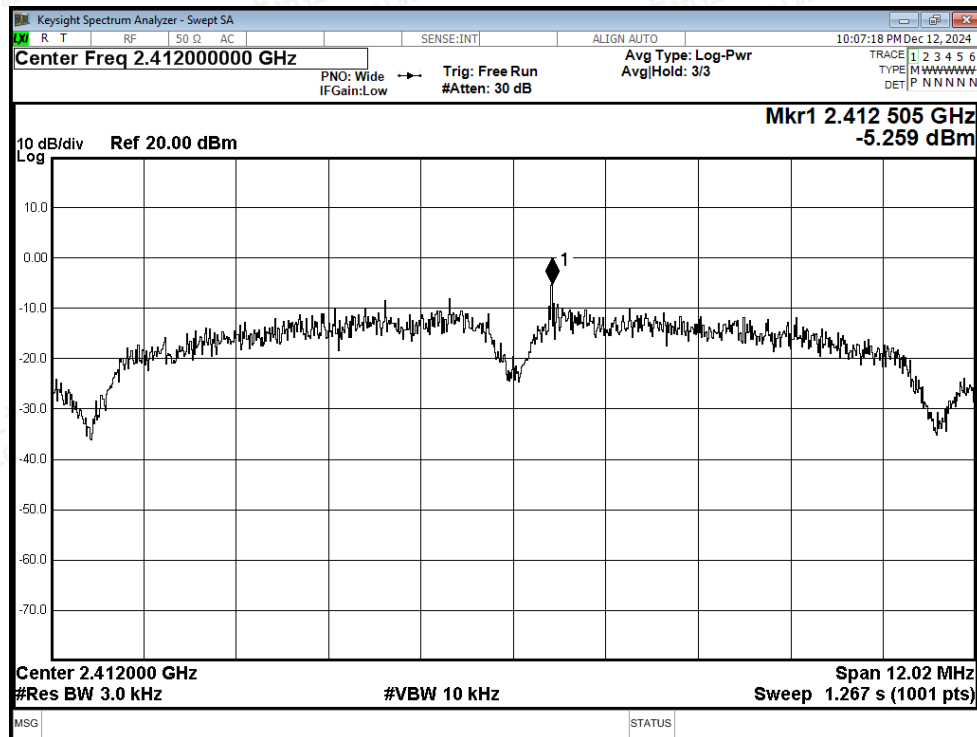
C.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant3	-5.26	8	Pass
NVNT	b	2437	Ant3	-9.16	8	Pass
NVNT	b	2462	Ant3	-5.86	8	Pass
NVNT	g	2412	Ant3	-14.34	8	Pass
NVNT	g	2437	Ant3	-15.36	8	Pass
NVNT	g	2462	Ant3	-13.92	8	Pass
NVNT	n20	2412	Ant3	-14.18	8	Pass
NVNT	n20	2437	Ant3	-14.3	8	Pass
NVNT	n20	2462	Ant3	-17.58	8	Pass
NVNT	n40	2422	Ant3	-19.79	8	Pass
NVNT	n40	2437	Ant3	-19.6	8	Pass
NVNT	n40	2452	Ant3	-19.89	8	Pass
NVNT	ax20	2412	Ant3	-17.32	8	Pass
NVNT	ax20	2437	Ant3	-17.06	8	Pass
NVNT	ax20	2462	Ant3	-15.95	8	Pass
NVNT	ax40	2422	Ant3	-20.88	8	Pass
NVNT	ax40	2437	Ant3	-21.45	8	Pass
NVNT	ax40	2452	Ant3	-20.97	8	Pass

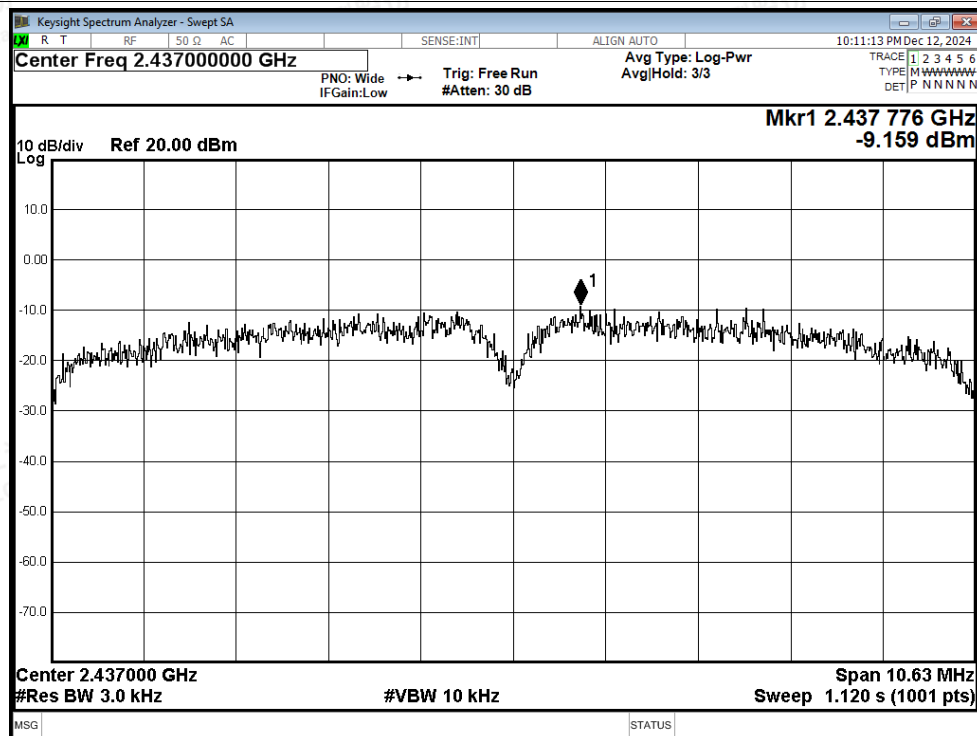


Test Graphs

PSD NVNT b 2412MHz Ant3

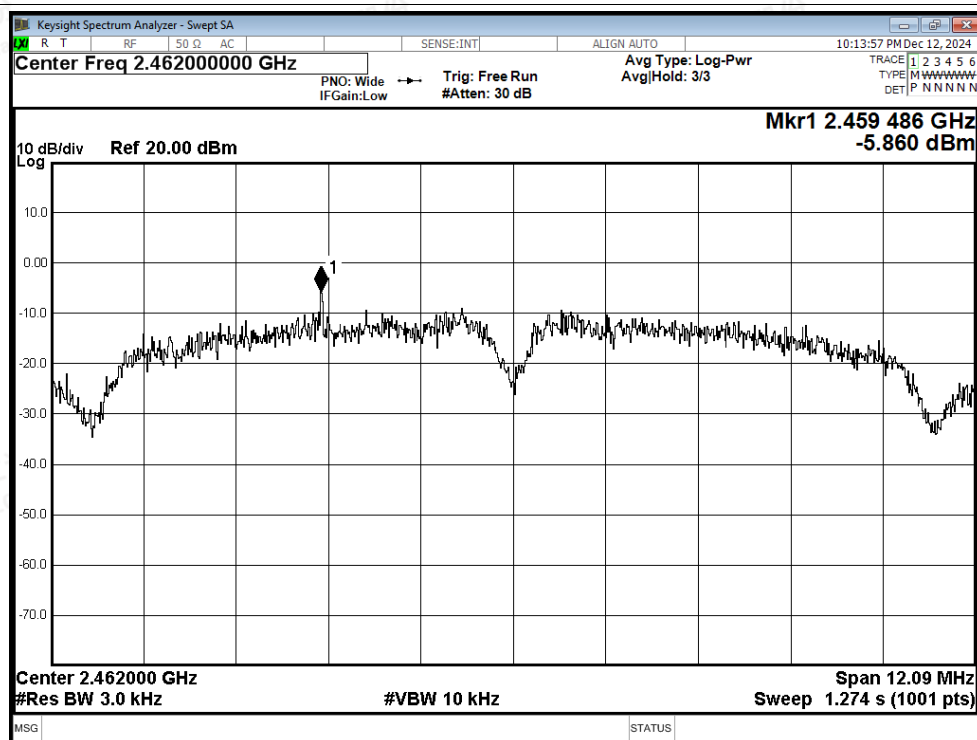


PSD NVNT b 2437MHz Ant3

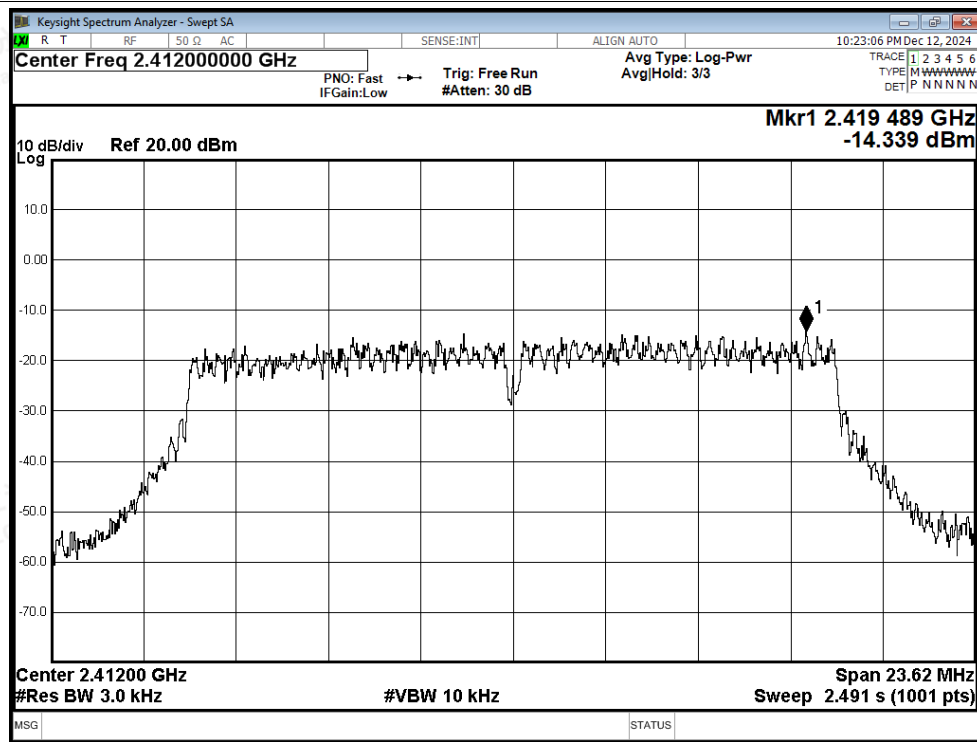




PSD NVNT b 2462MHz Ant3

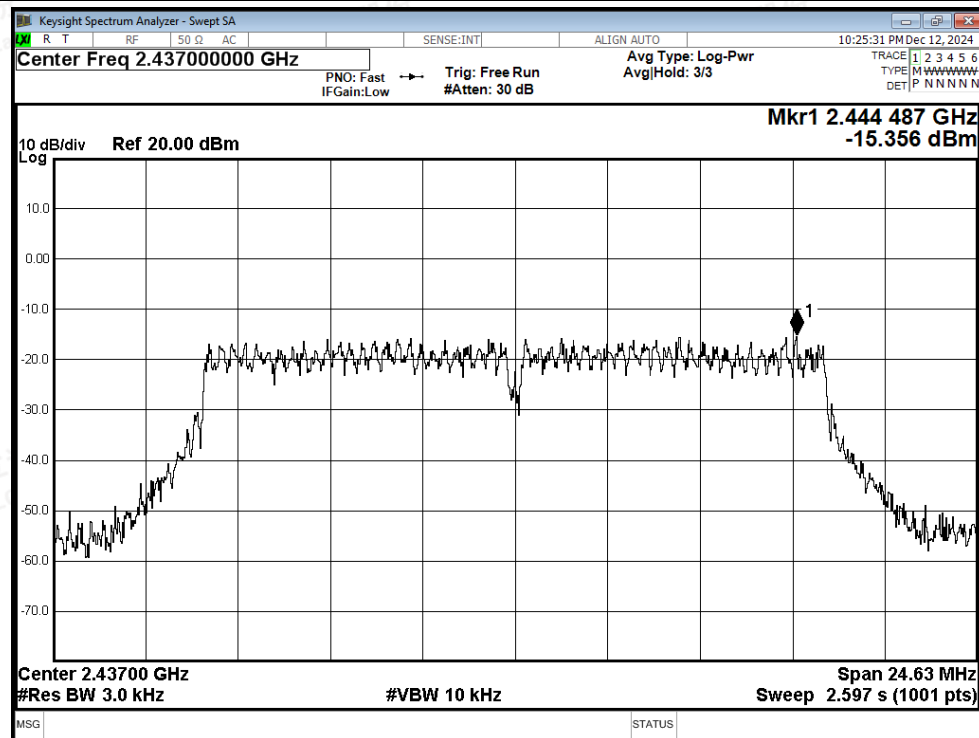


PSD NVNT g 2412MHz Ant3

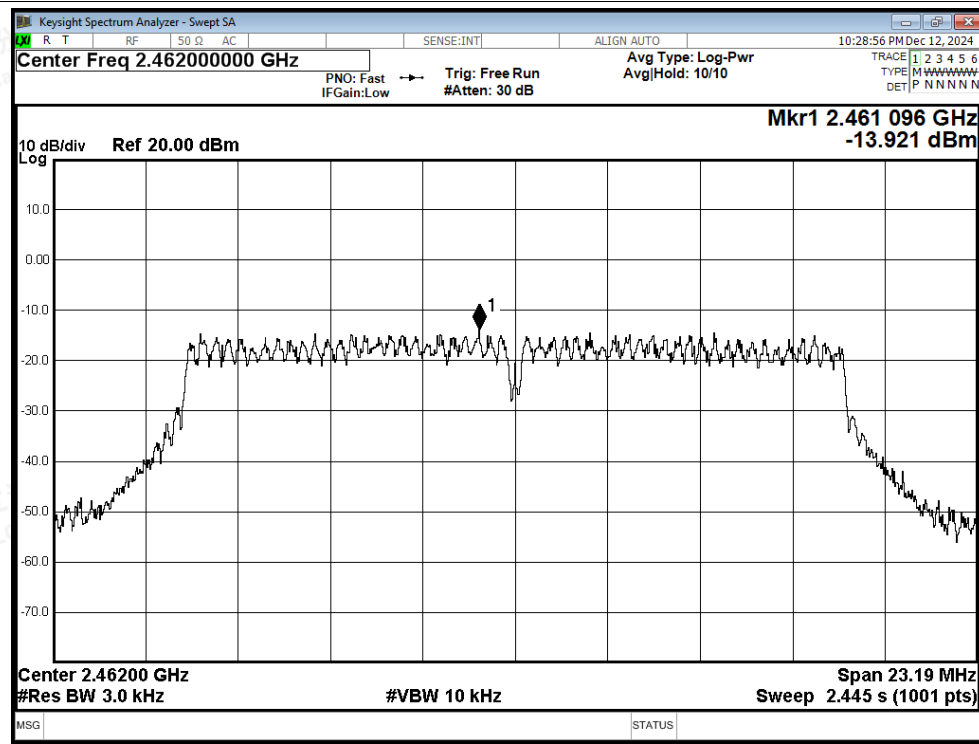




PSD NVNT g 2437MHz Ant3

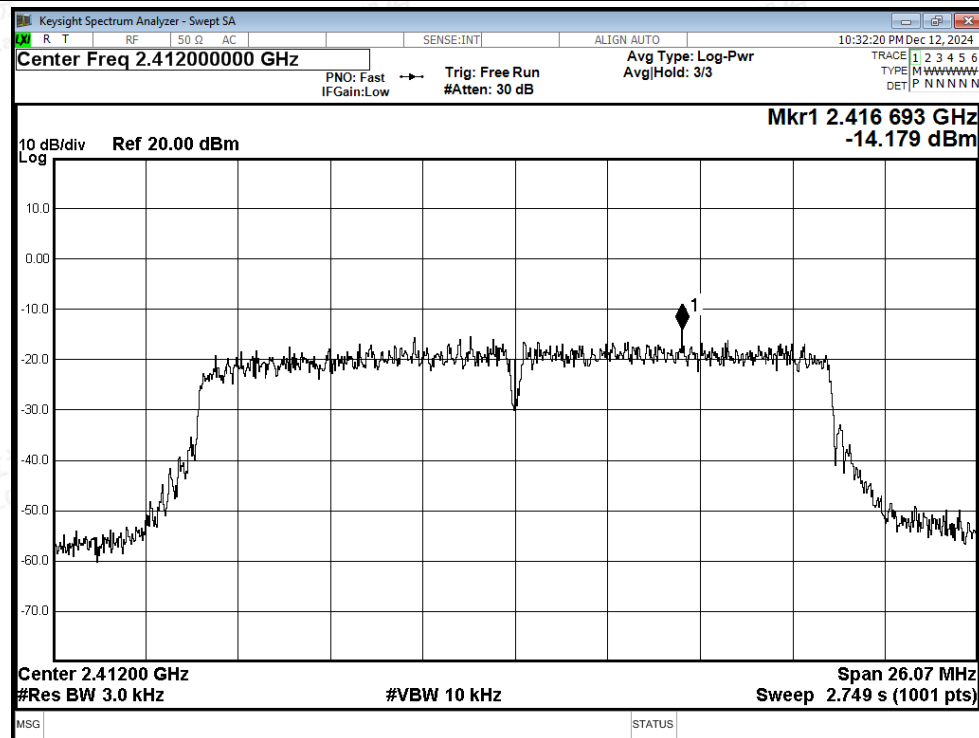


PSD NVNT g 2462MHz Ant3

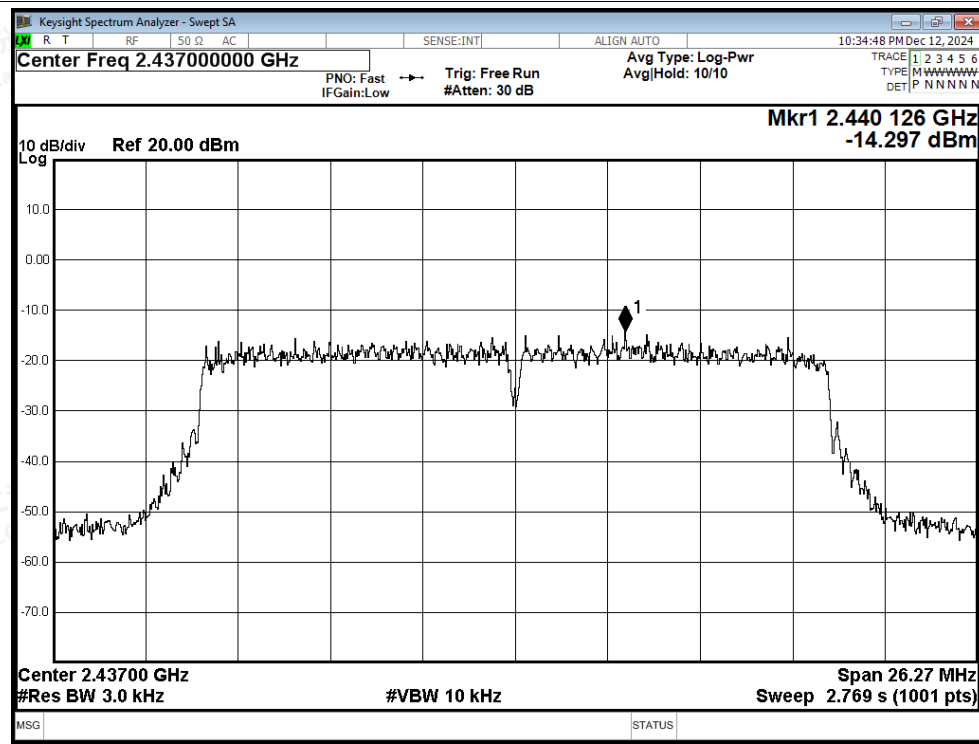




PSD NVNT n20 2412MHz Ant3

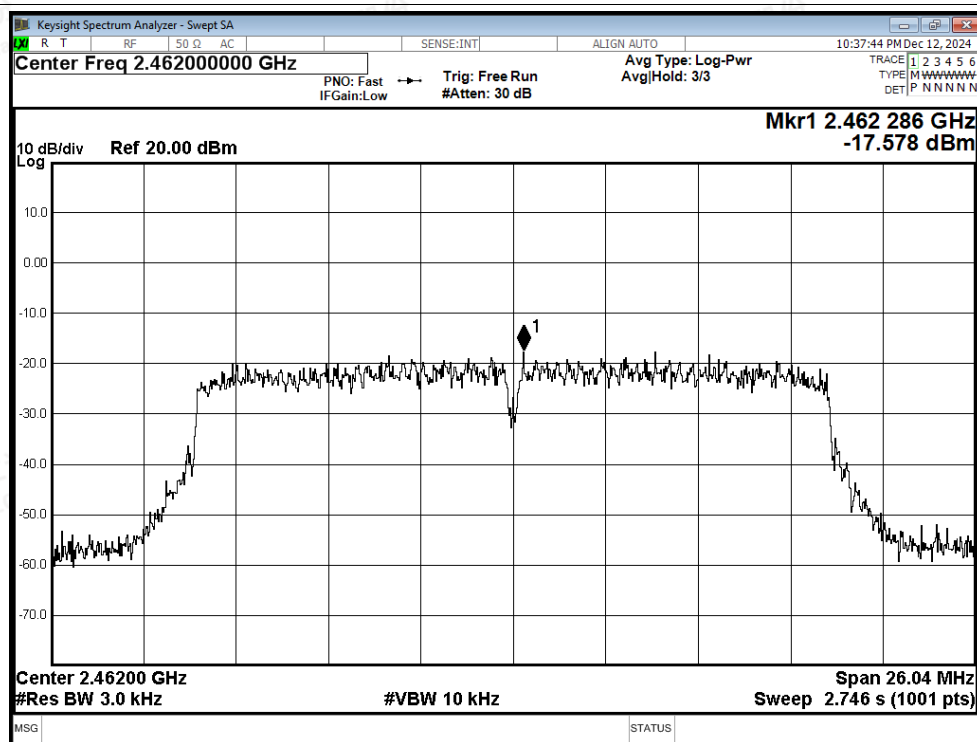


PSD NVNT n20 2437MHz Ant3

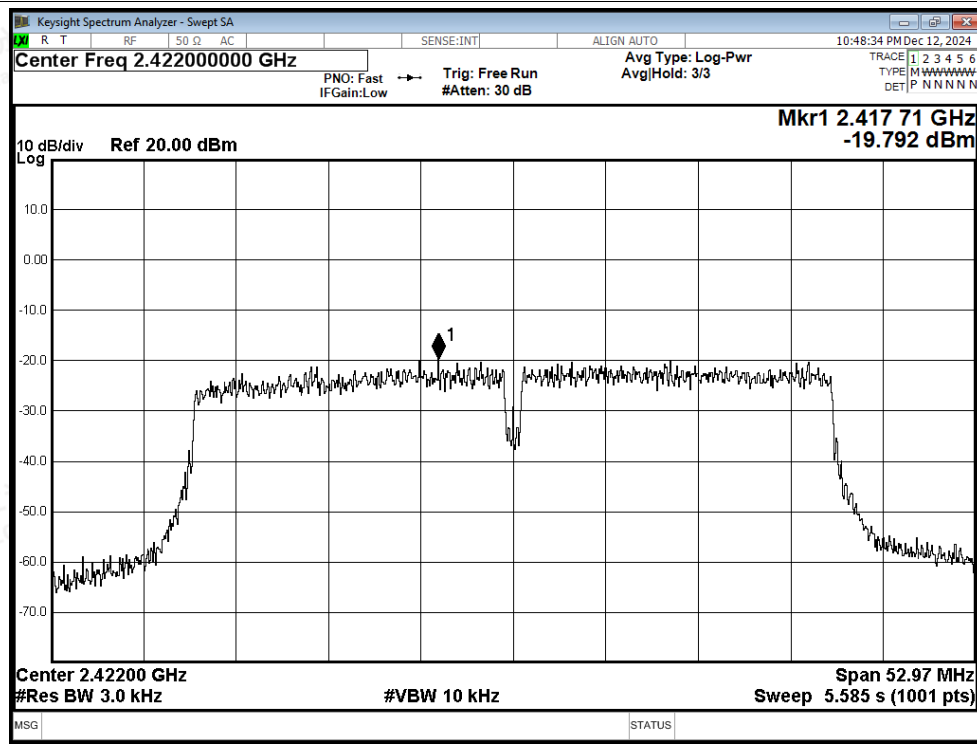




PSD NVNT n20 2462MHz Ant3

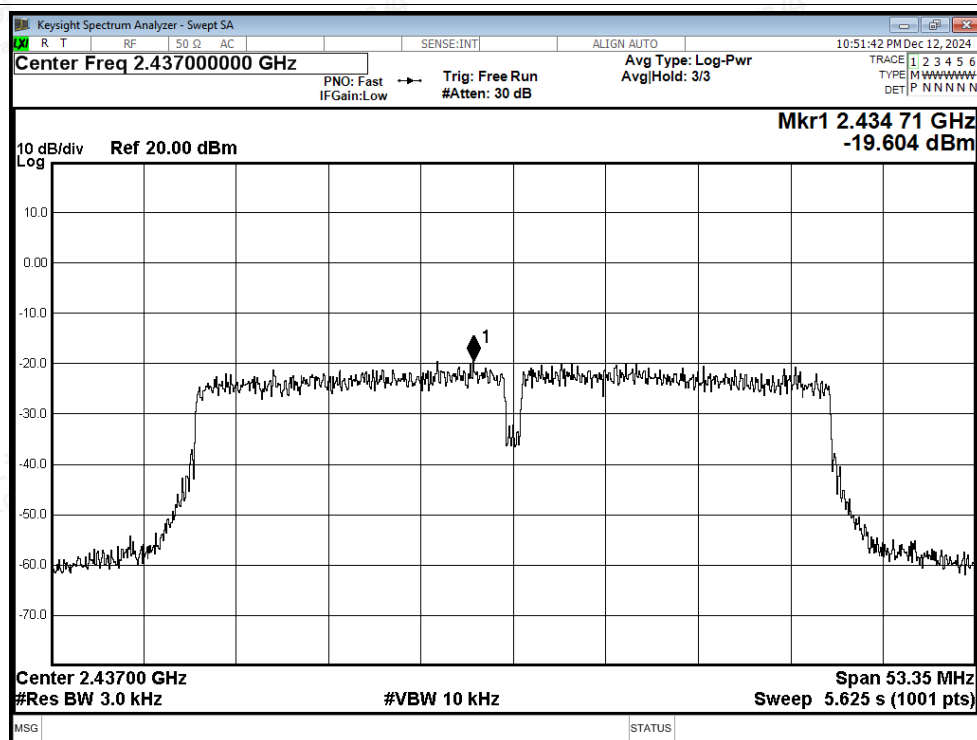


PSD NVNT n40 2422MHz Ant3

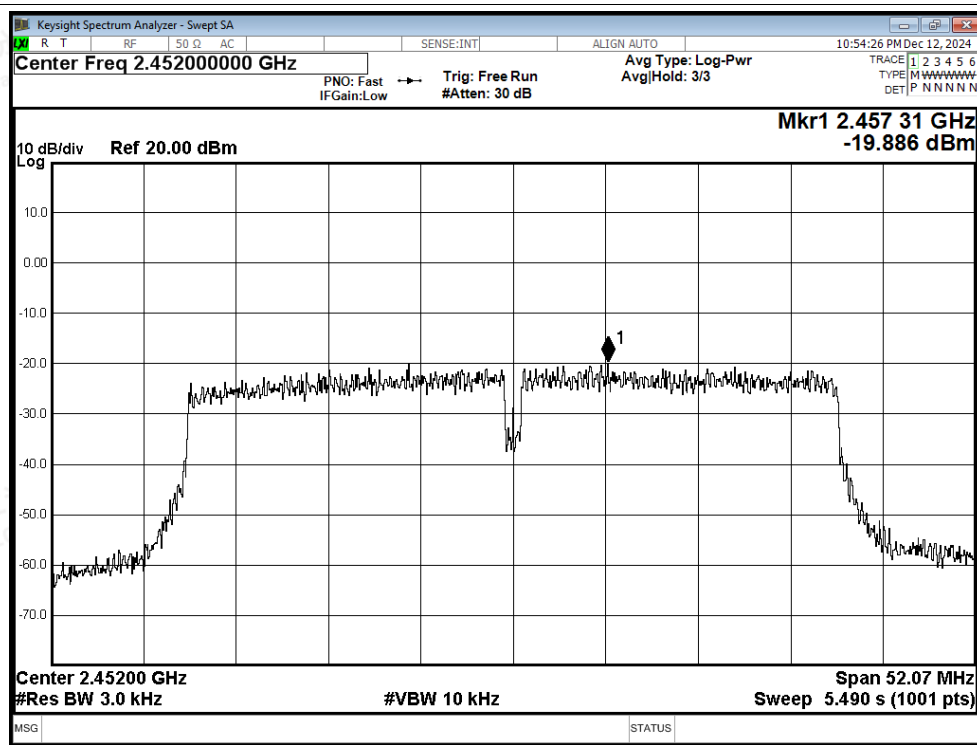




PSD NVNT n40 2437MHz Ant3

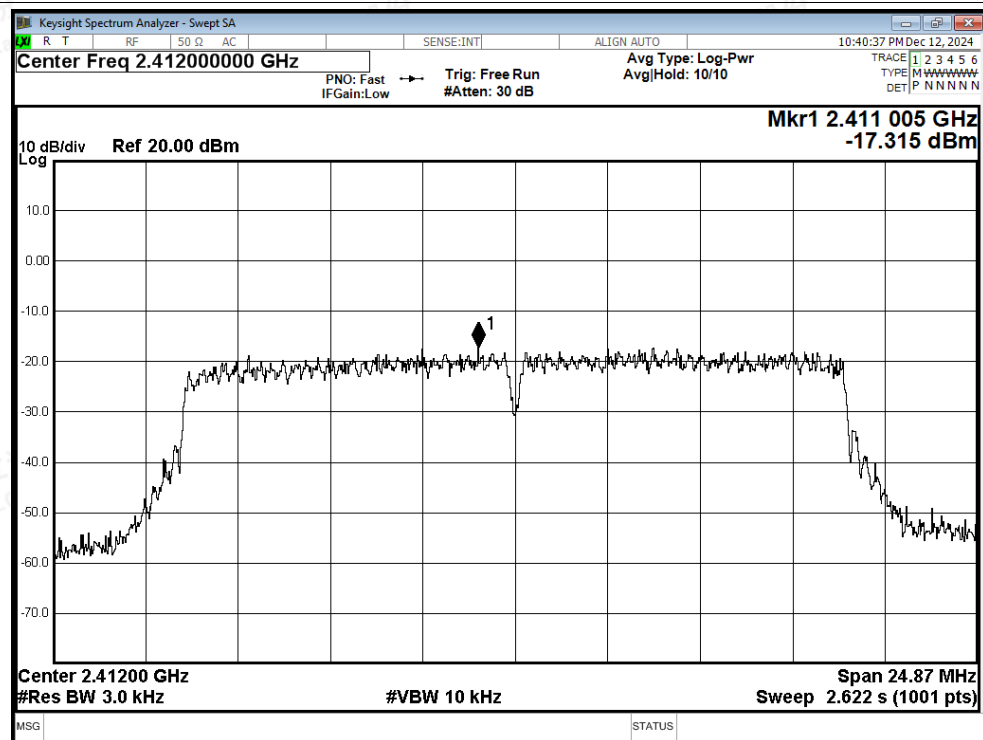


PSD NVNT n40 2452MHz Ant3

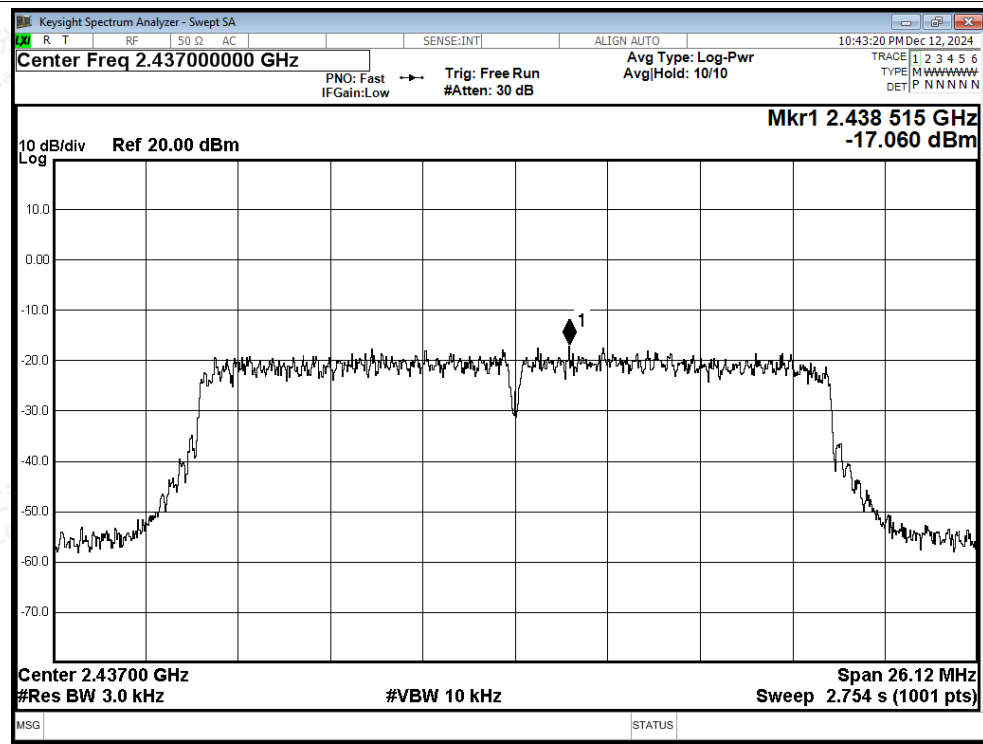




PSD NVNT ax20 2412MHz Ant3

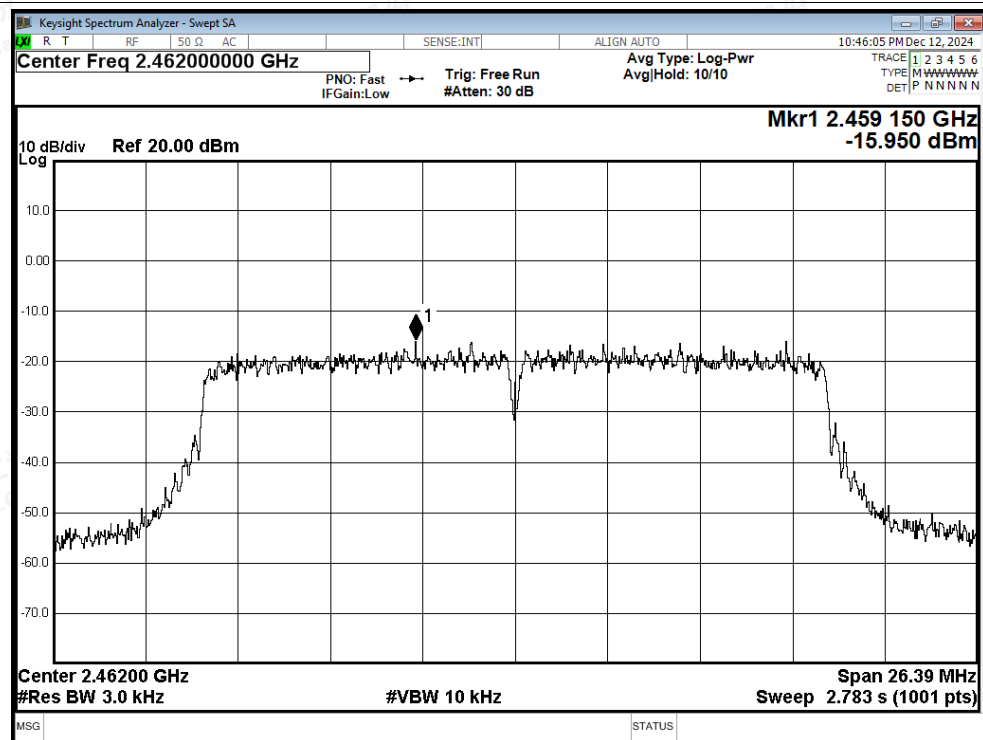


PSD NVNT ax20 2437MHz Ant3

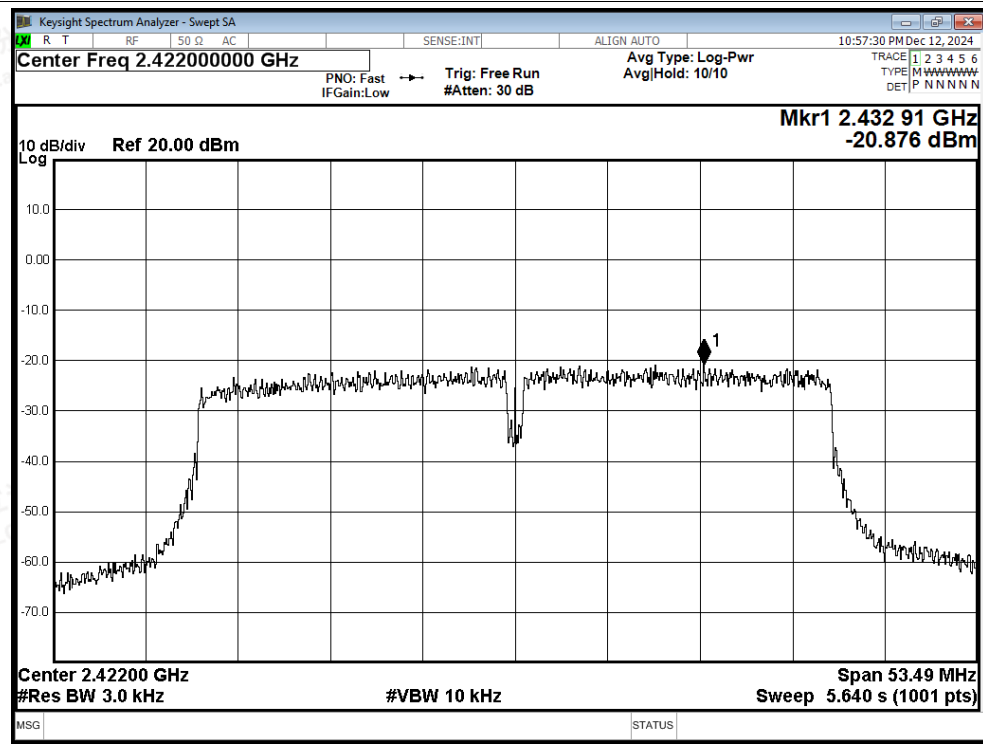




PSD NVNT ax20 2462MHz Ant3

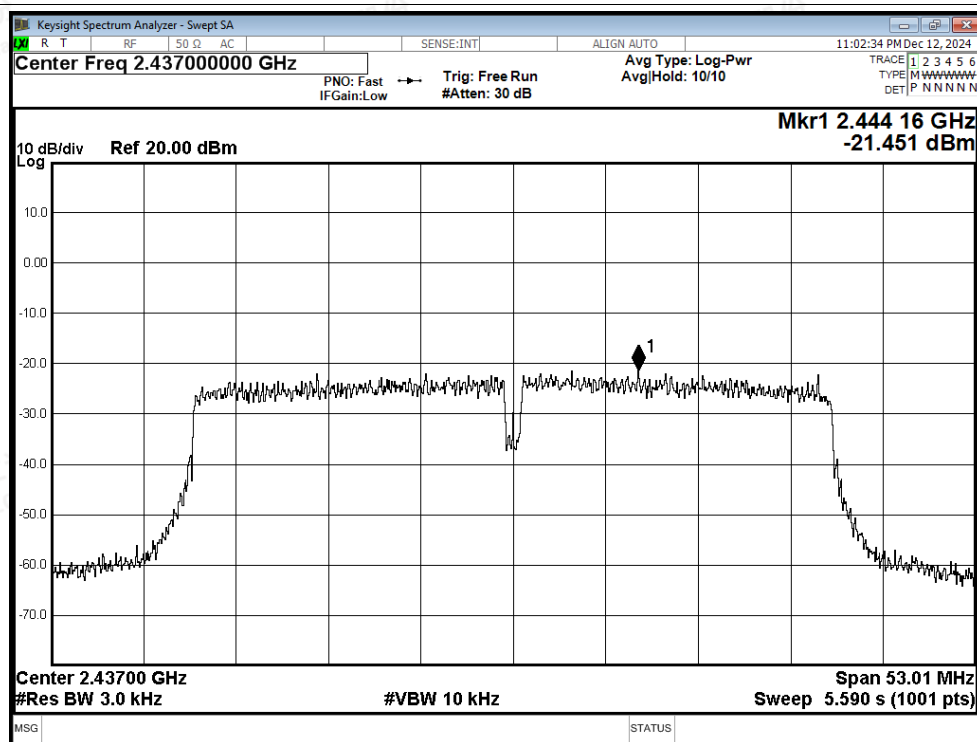


PSD NVNT ax40 2422MHz Ant3

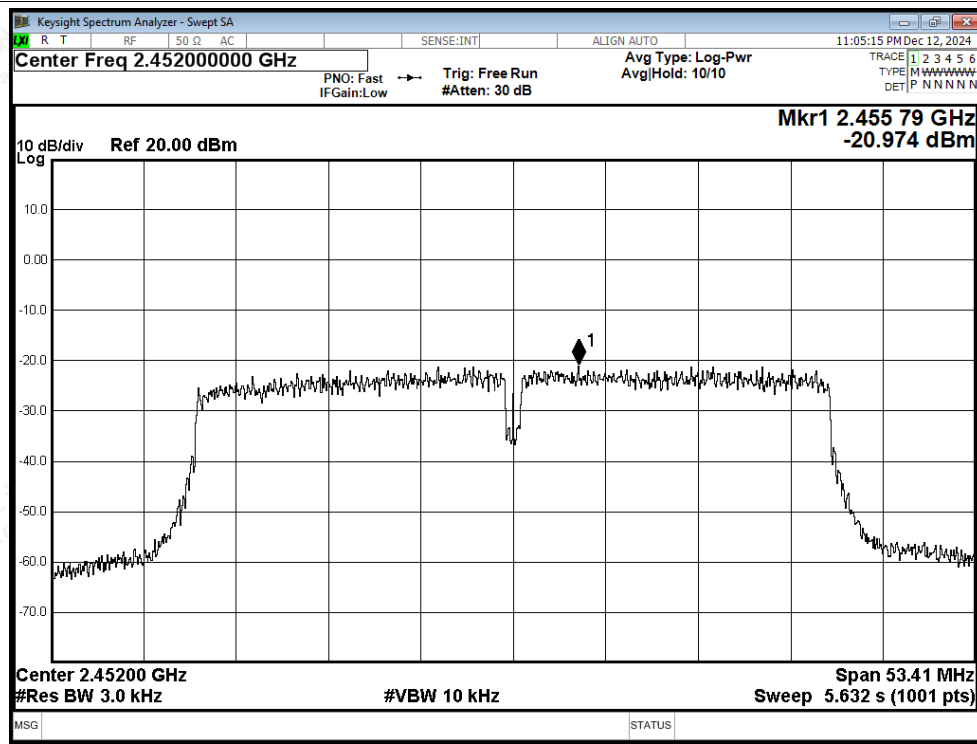




PSD NVNT ax40 2437MHz Ant3



PSD NVNT ax40 2452MHz Ant3





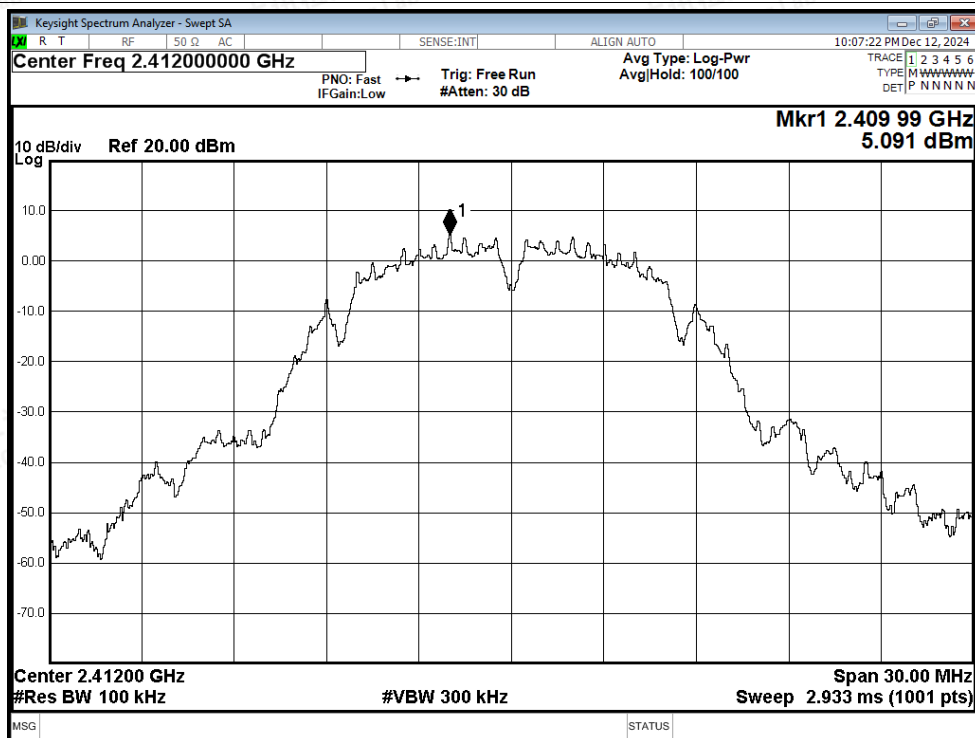
C.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant3	-49.27	-20	Pass
NVNT	b	2462	Ant3	-62.6	-20	Pass
NVNT	g	2412	Ant3	-35.25	-20	Pass
NVNT	g	2462	Ant3	-46.12	-20	Pass
NVNT	n20	2412	Ant3	-37.08	-20	Pass
NVNT	n20	2462	Ant3	-43.66	-20	Pass
NVNT	n40	2422	Ant3	-38.54	-20	Pass
NVNT	n40	2452	Ant3	-39.42	-20	Pass
NVNT	ax20	2412	Ant3	-33.09	-20	Pass
NVNT	ax20	2462	Ant3	-42.93	-20	Pass
NVNT	ax40	2422	Ant3	-35.4	-20	Pass
NVNT	ax40	2452	Ant3	-36.95	-20	Pass

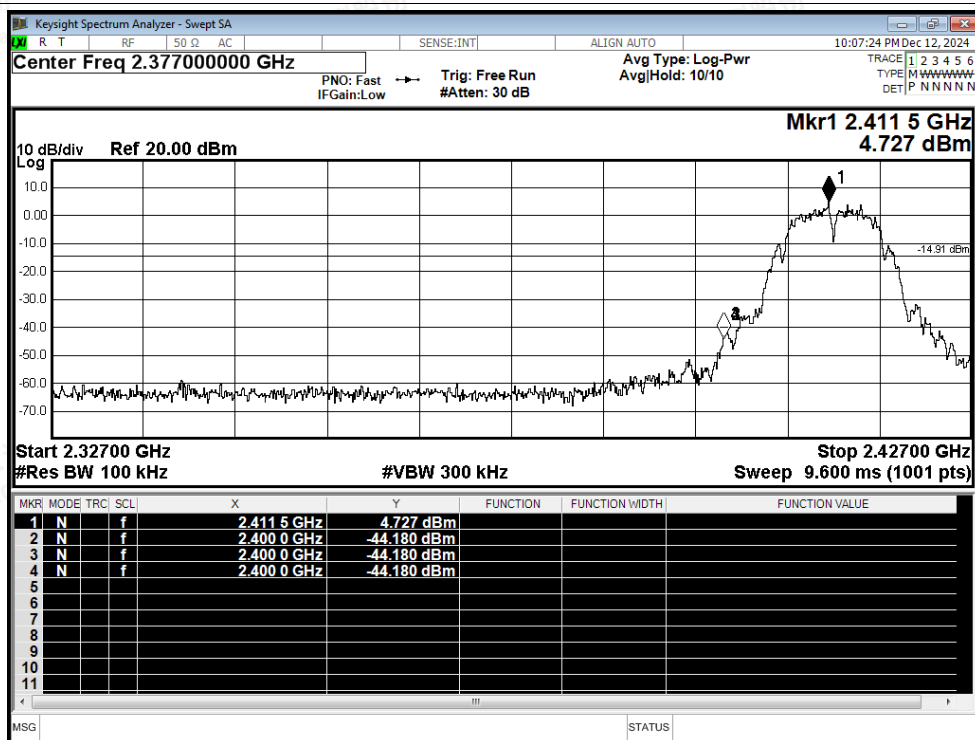


Test Graphs

Band Edge NVNT b 2412MHz Ant3 Ref

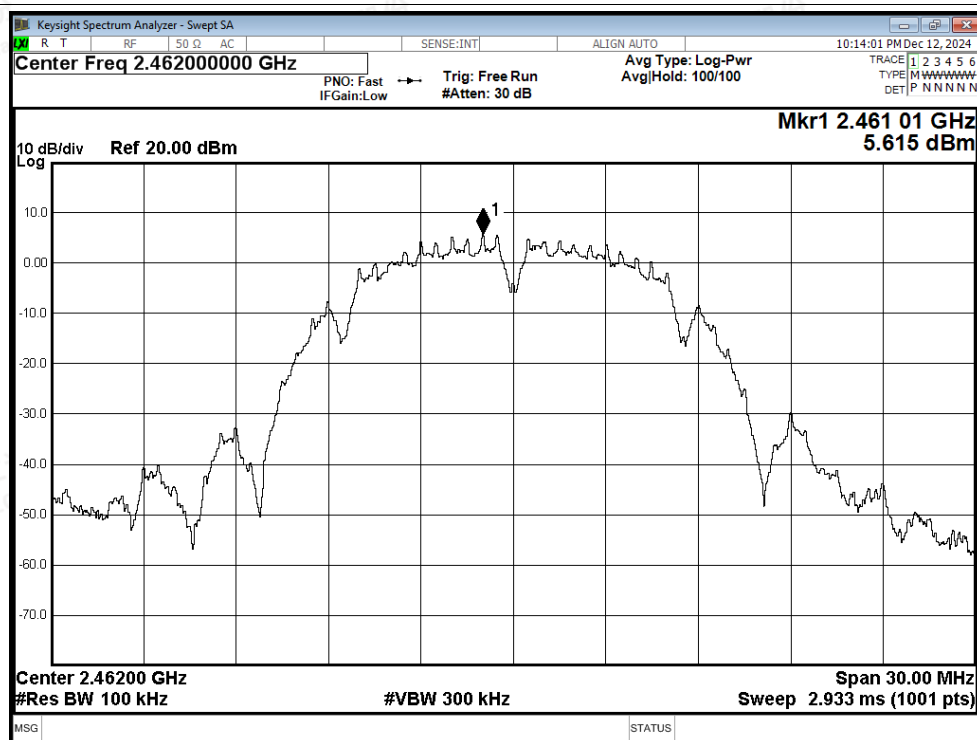


Band Edge NVNT b 2412MHz Ant3 Emission

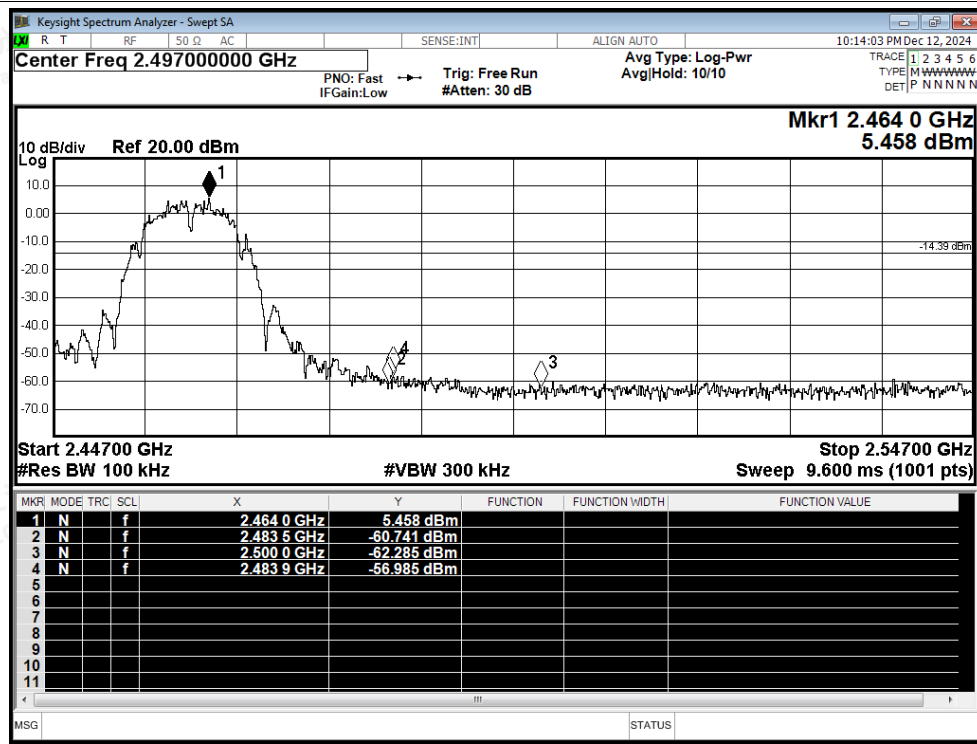




Band Edge NVNT b 2462MHz Ant3 Ref

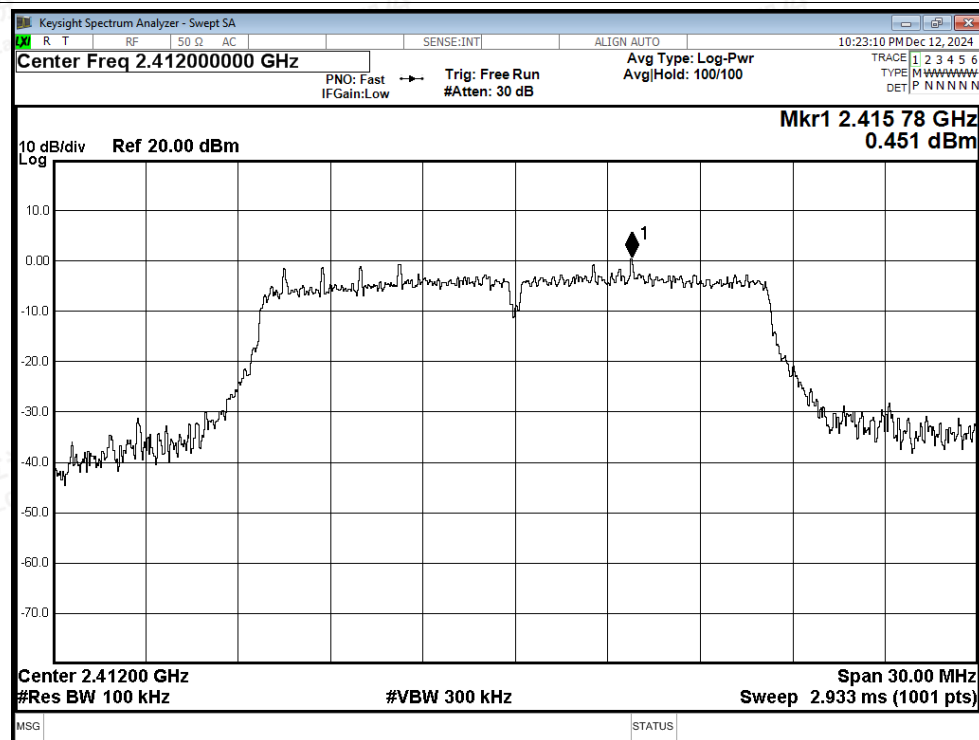


Band Edge NVNT b 2462MHz Ant3 Emission

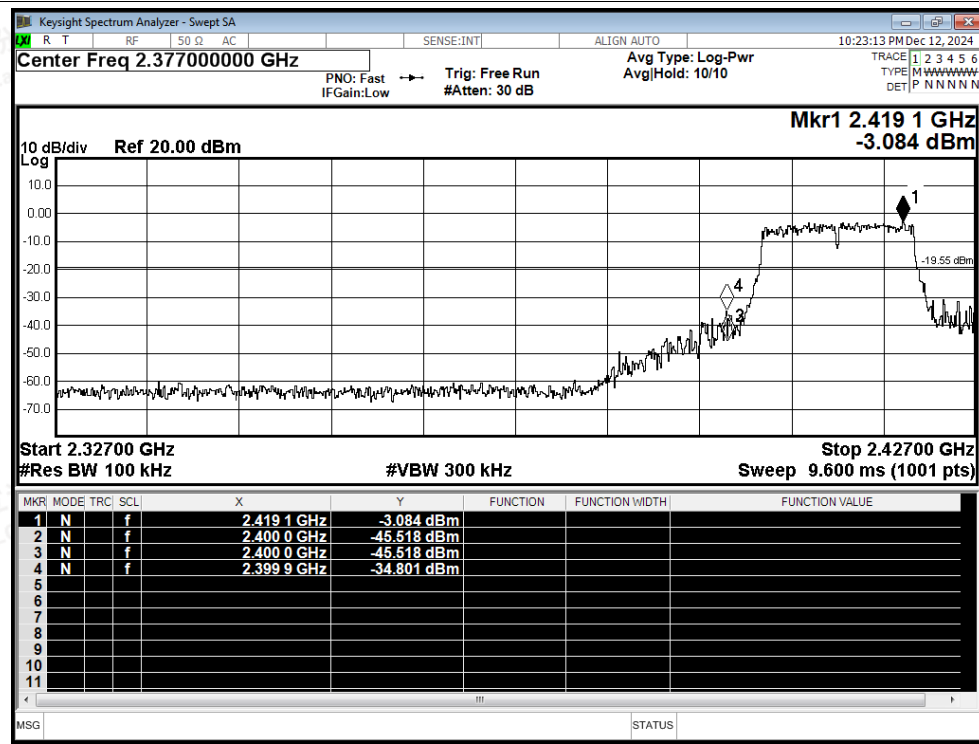




Band Edge NVNT g 2412MHz Ant3 Ref

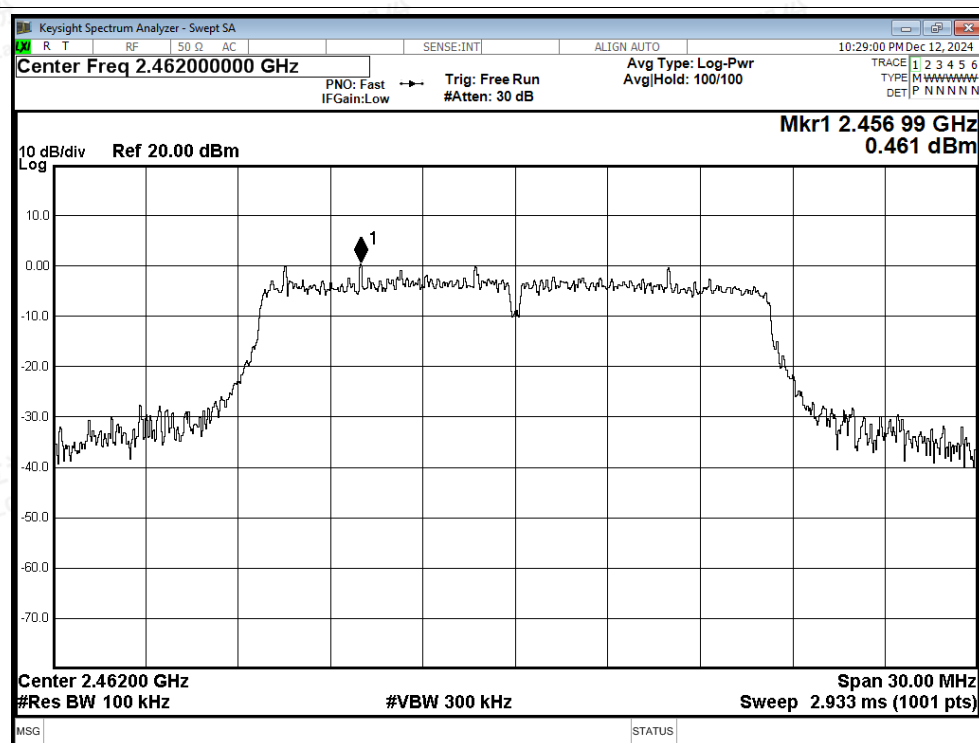


Band Edge NVNT g 2412MHz Ant3 Emission

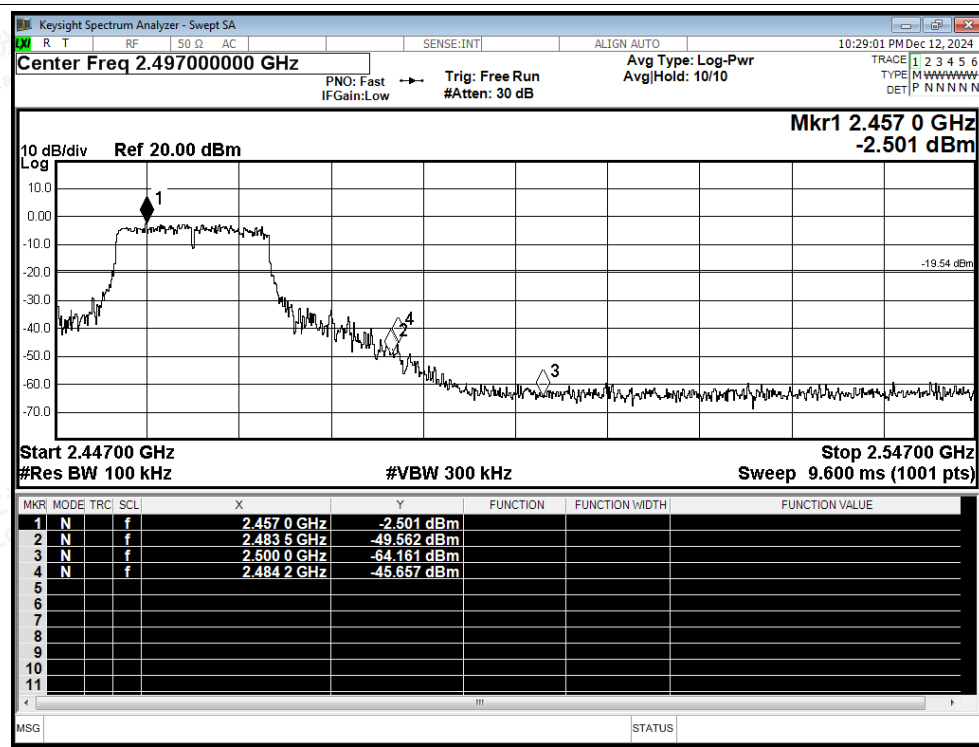




Band Edge NVNT g 2462MHz Ant3 Ref

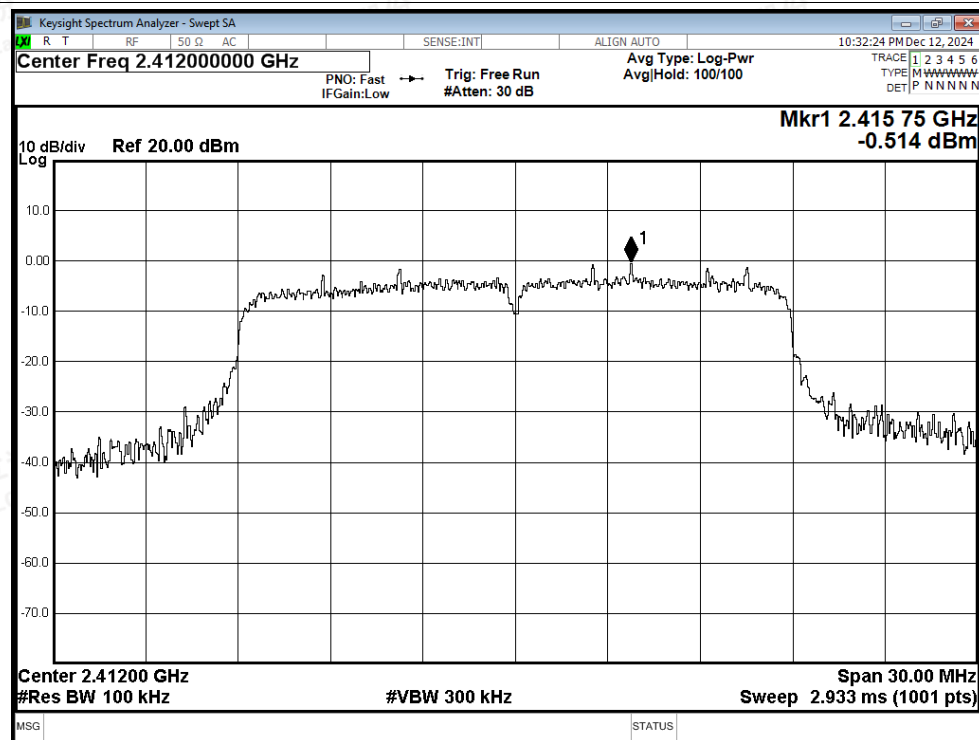


Band Edge NVNT g 2462MHz Ant3 Emission

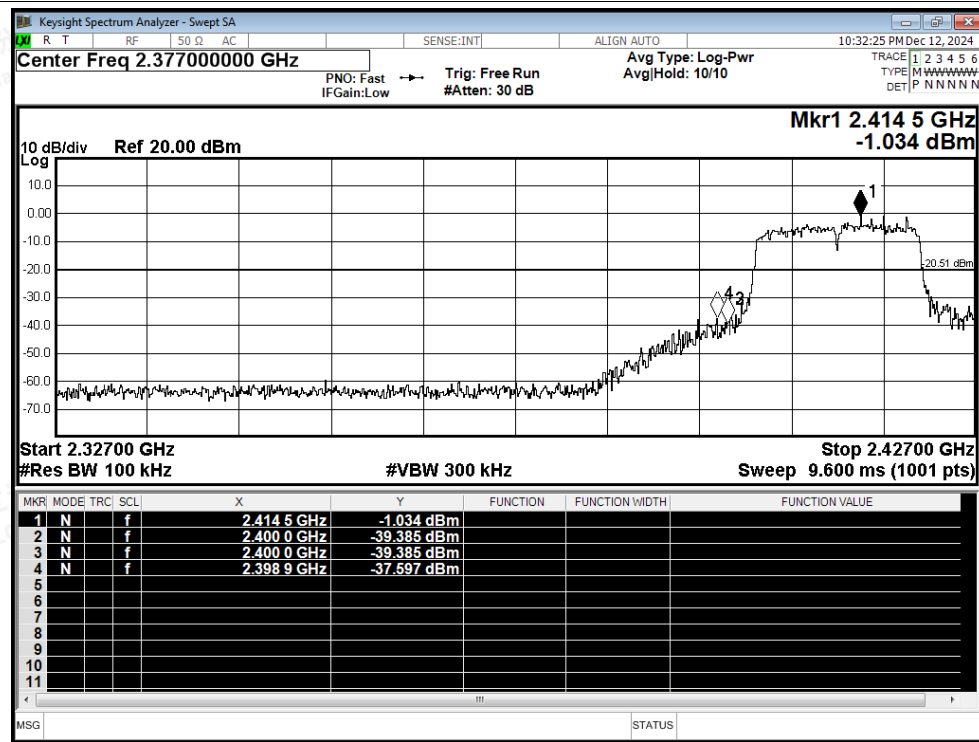




Band Edge NVNT n20 2412MHz Ant3 Ref

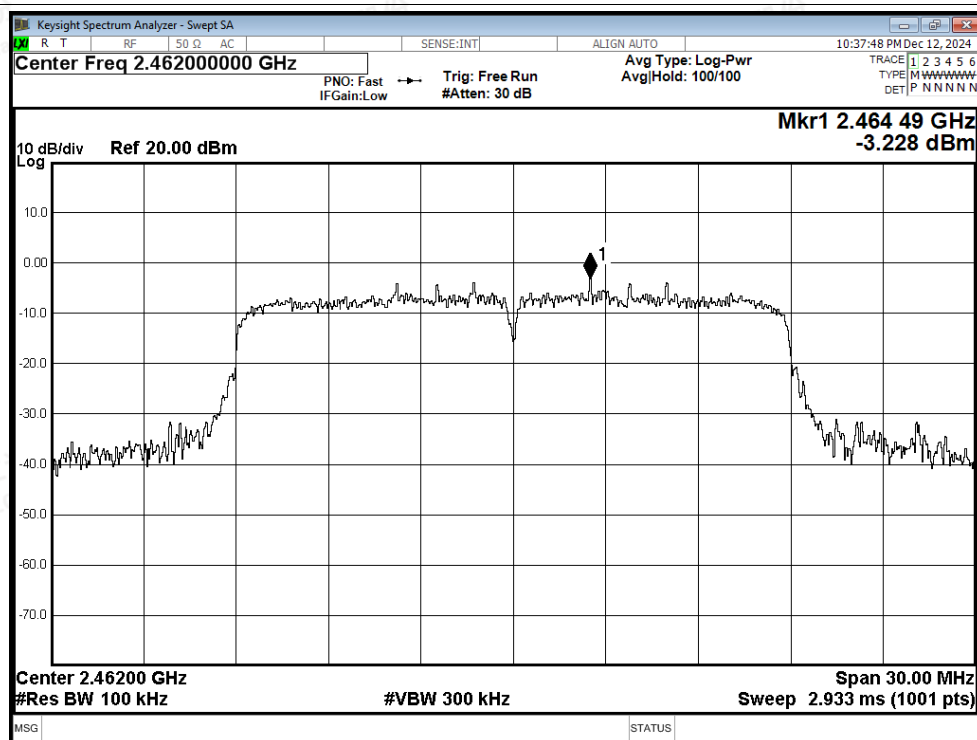


Band Edge NVNT n20 2412MHz Ant3 Emission

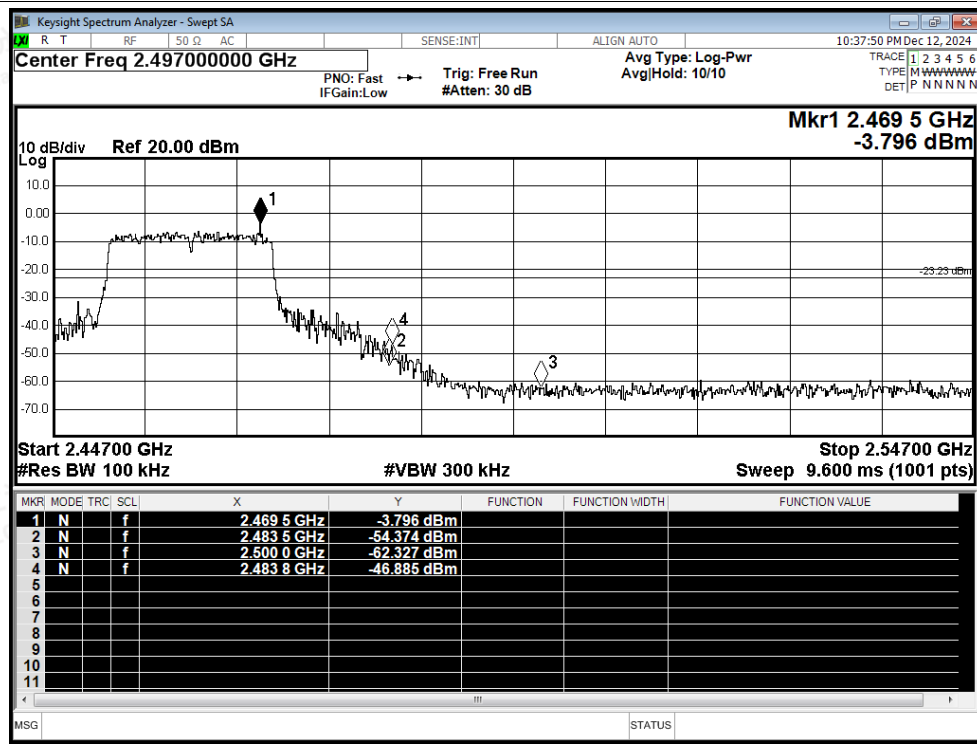




Band Edge NVNT n20 2462MHz Ant3 Ref

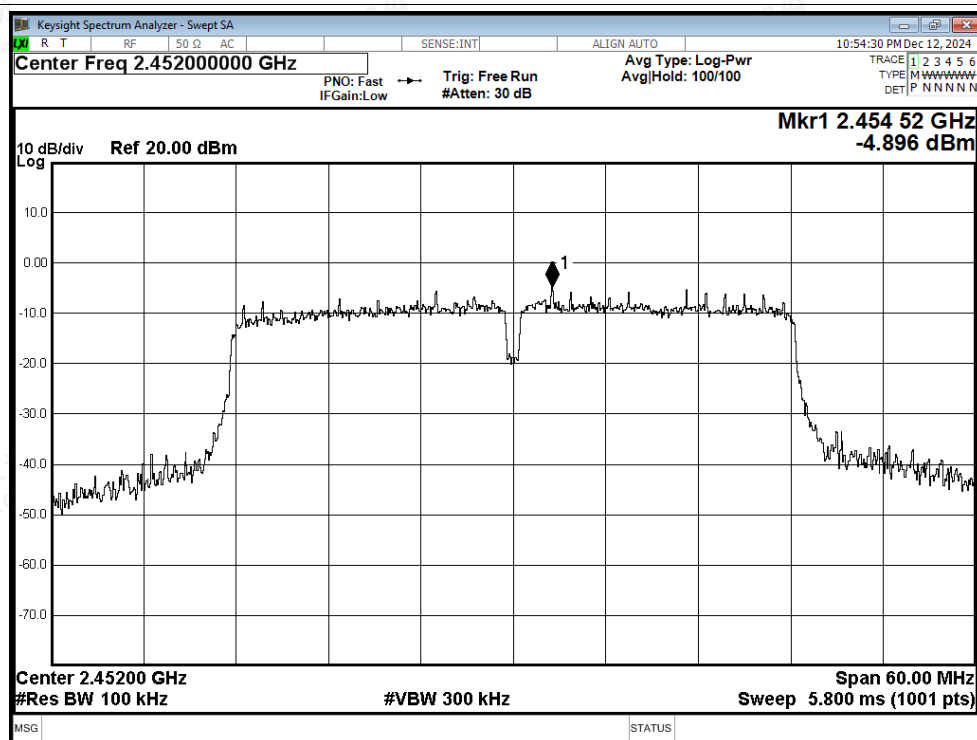


Band Edge NVNT n20 2462MHz Ant3 Emission

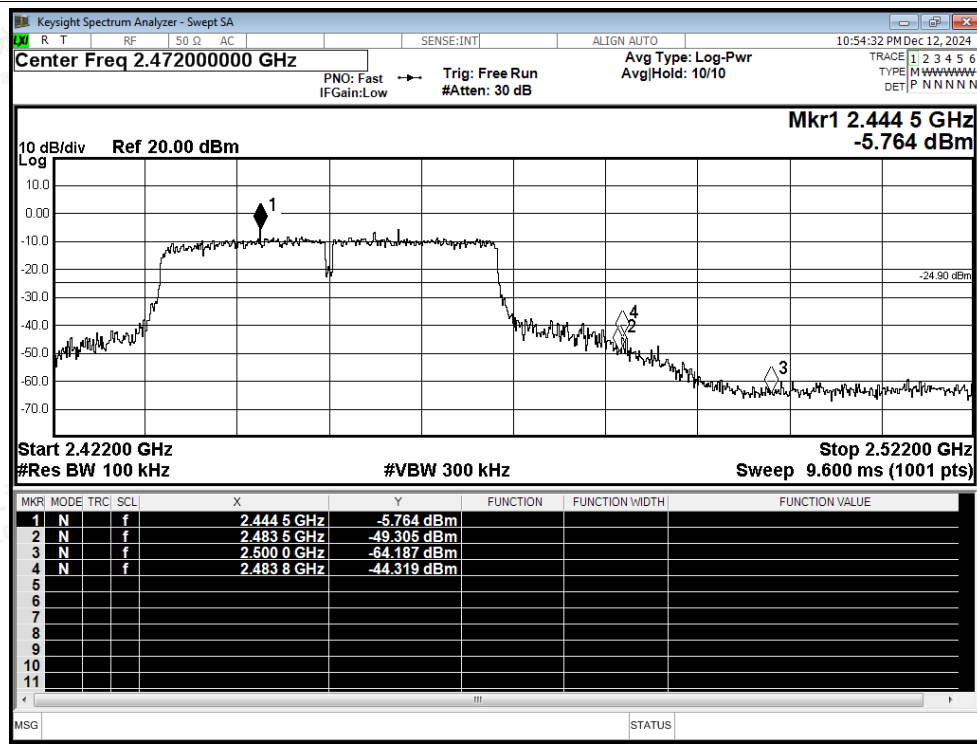




Band Edge NVNT n40 2452MHz Ant3 Ref

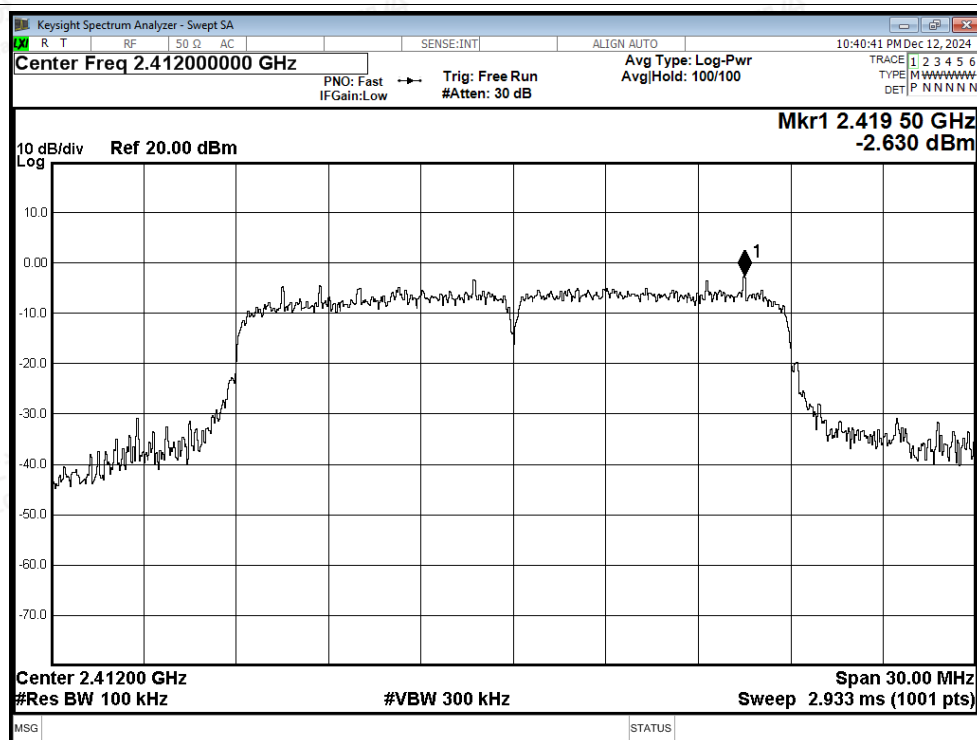


Band Edge NVNT n40 2452MHz Ant3 Emission

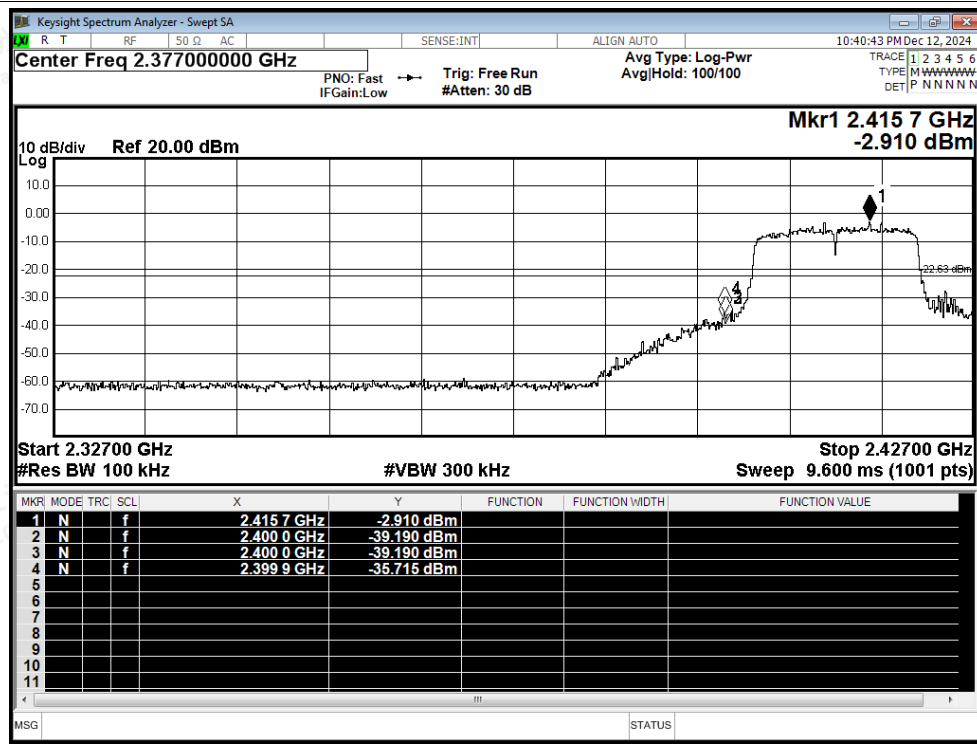




Band Edge NVNT ax20 2412MHz Ant3 Ref

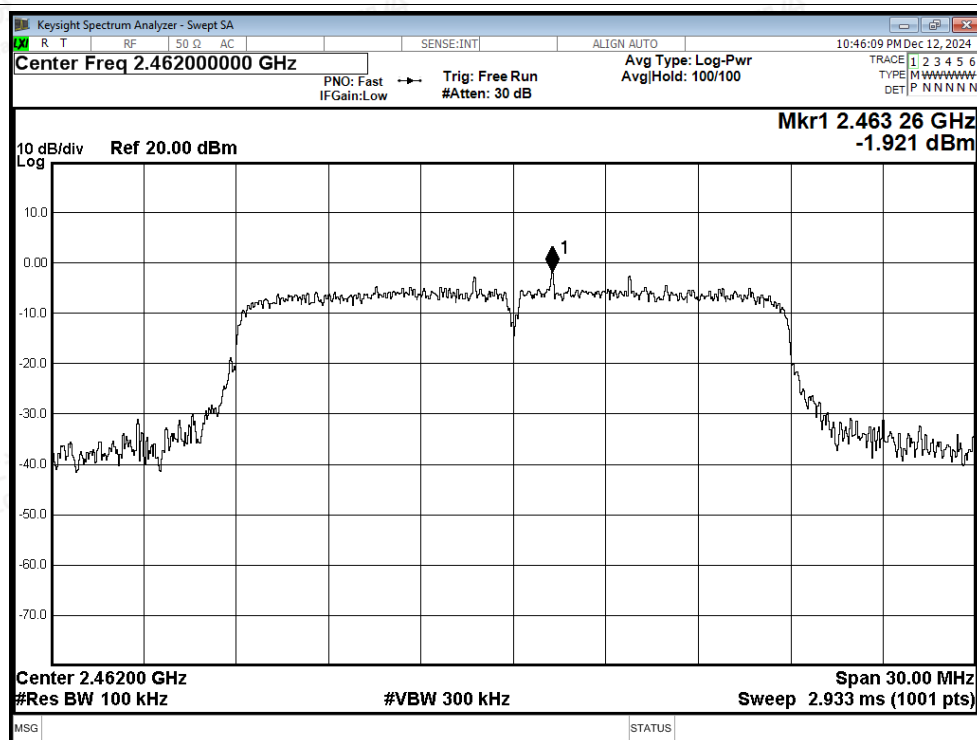


Band Edge NVNT ax20 2412MHz Ant3 Emission

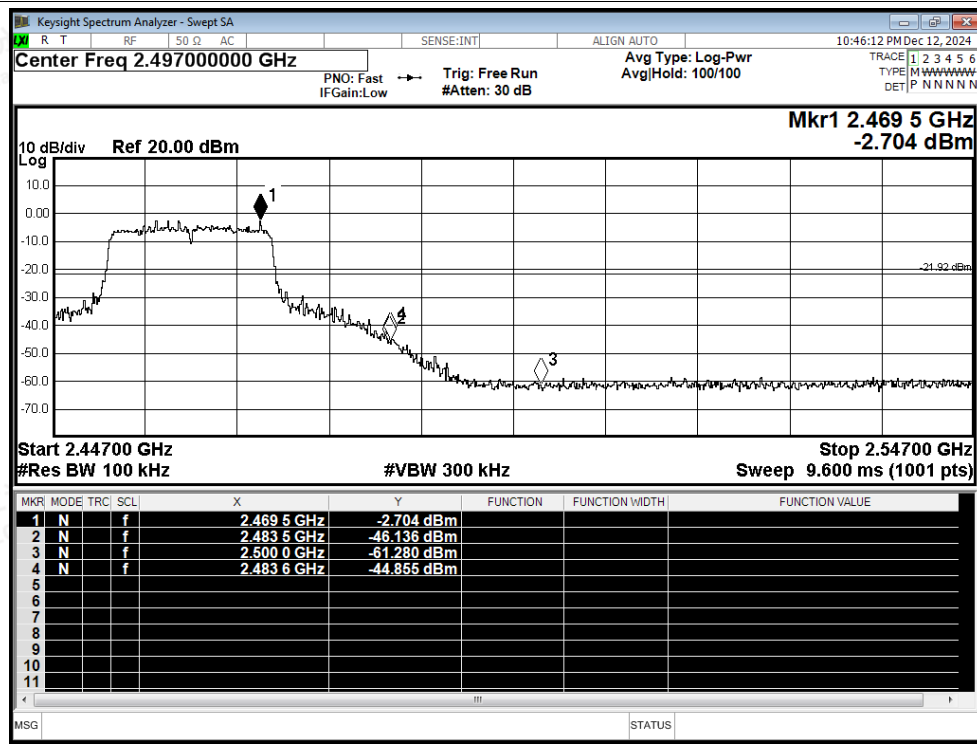




Band Edge NVNT ax20 2462MHz Ant3 Ref

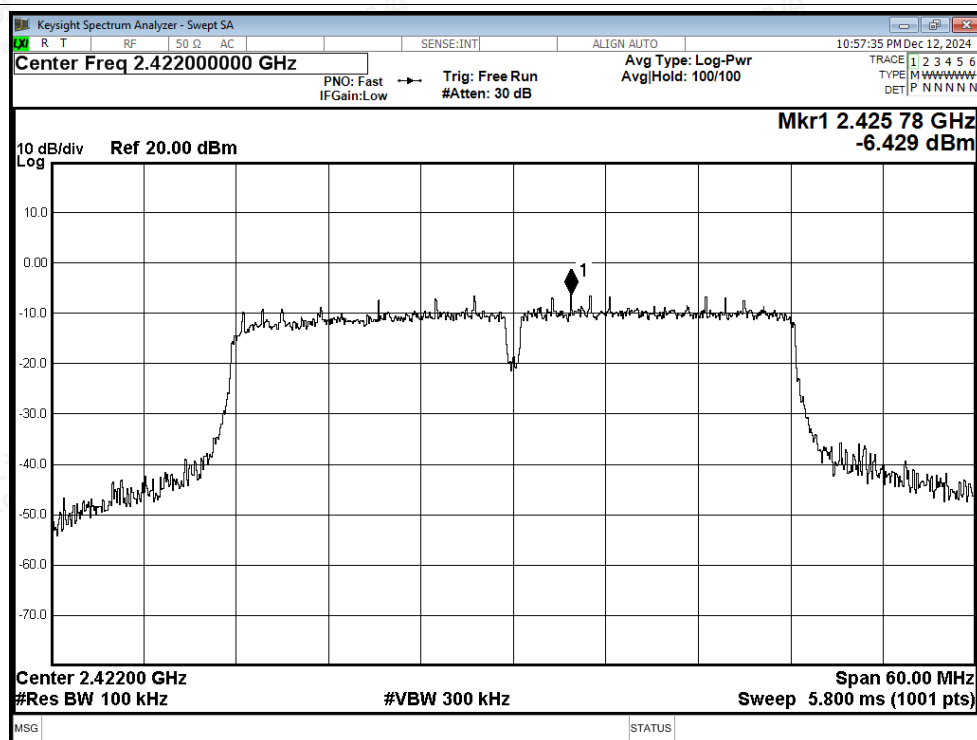


Band Edge NVNT ax20 2462MHz Ant3 Emission

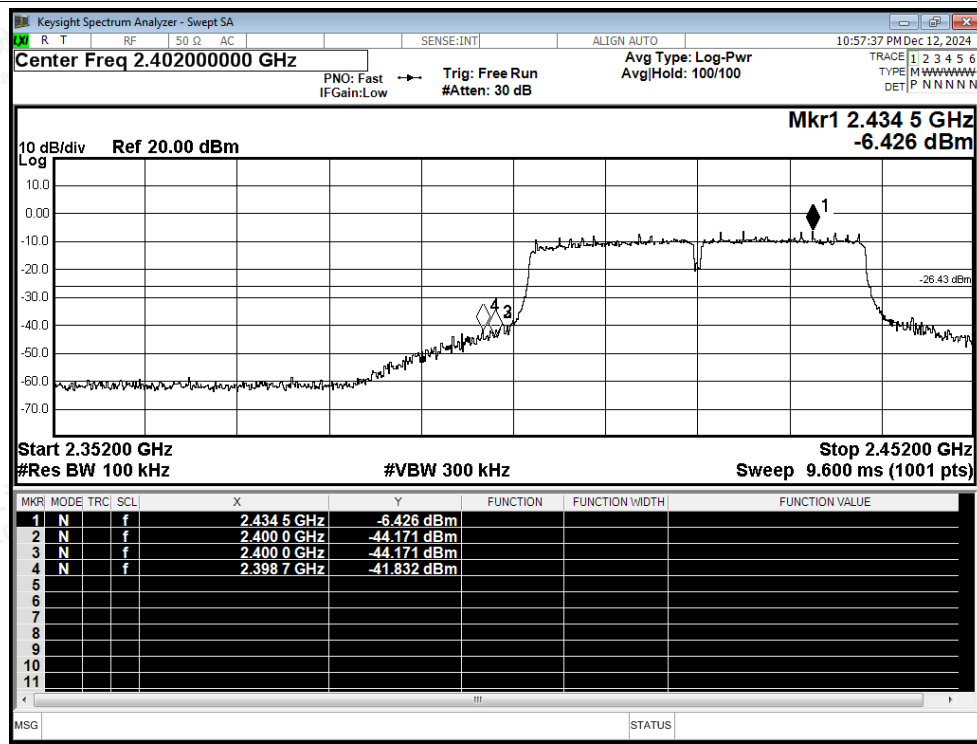




Band Edge NVNT ax40 2422MHz Ant3 Ref

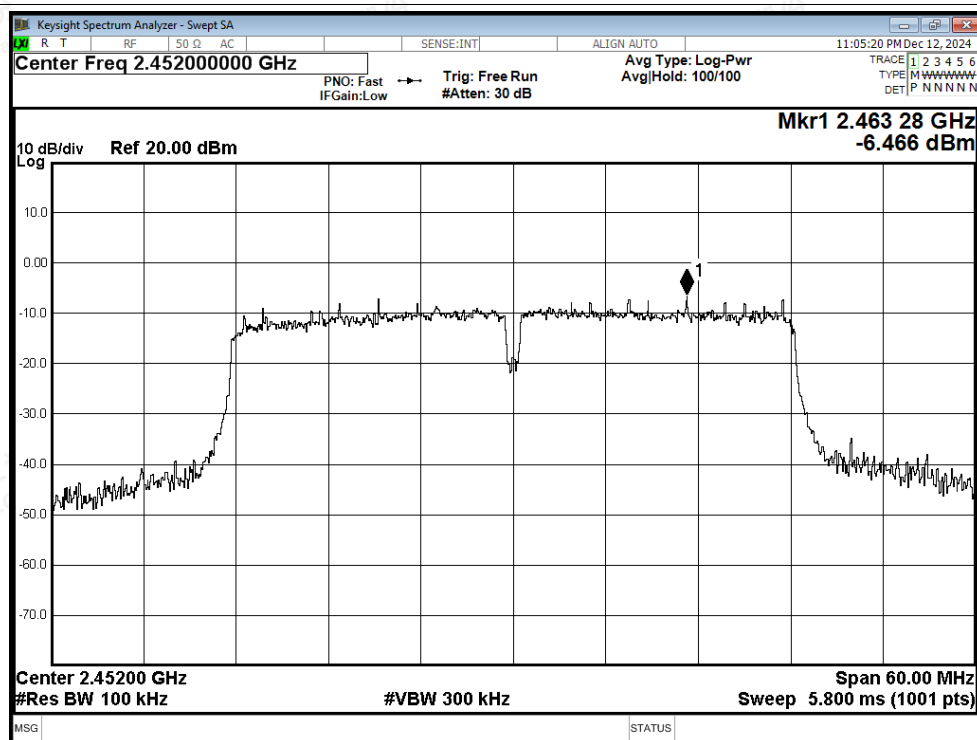


Band Edge NVNT ax40 2422MHz Ant3 Emission

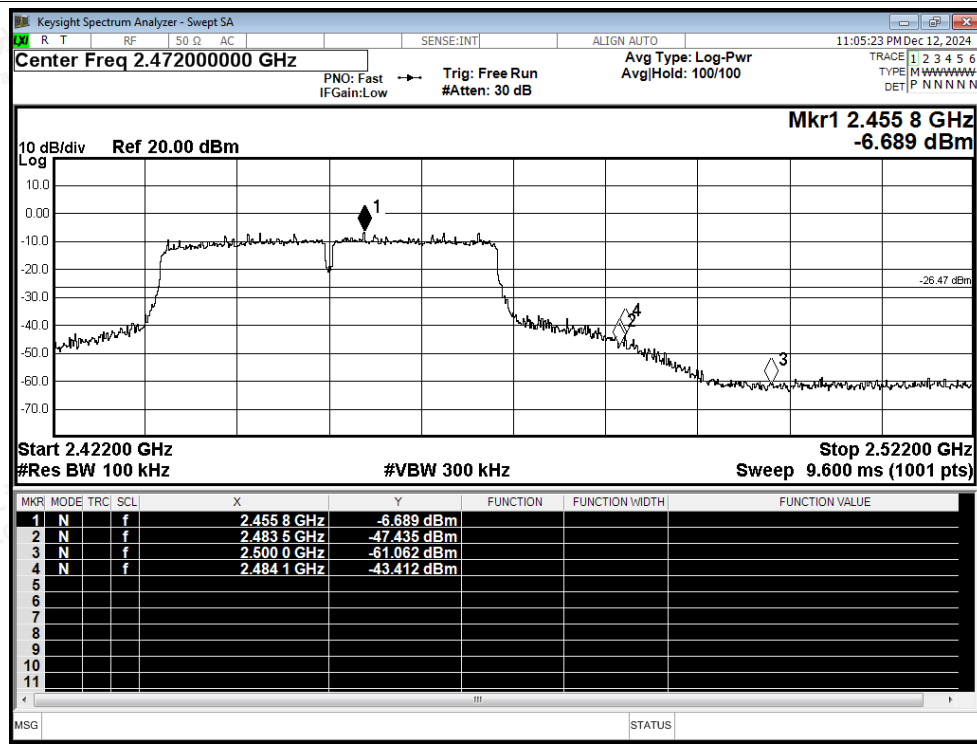




Band Edge NVNT ax40 2452MHz Ant3 Ref



Band Edge NVNT ax40 2452MHz Ant3 Emission





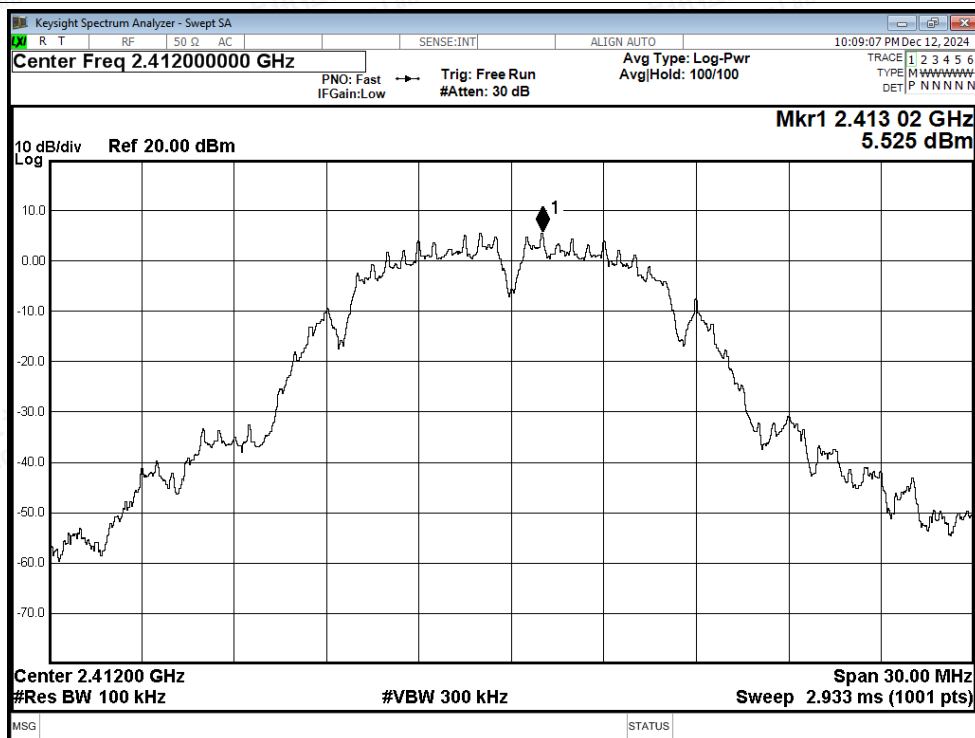
C.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant3	-51.85	-20	Pass
NVNT	b	2437	Ant3	-52.14	-20	Pass
NVNT	b	2462	Ant3	-52.57	-20	Pass
NVNT	g	2412	Ant3	-47.11	-20	Pass
NVNT	g	2437	Ant3	-45.79	-20	Pass
NVNT	g	2462	Ant3	-46.57	-20	Pass
NVNT	n20	2412	Ant3	-46.01	-20	Pass
NVNT	n20	2437	Ant3	-44.32	-20	Pass
NVNT	n20	2462	Ant3	-42.19	-20	Pass
NVNT	n40	2422	Ant3	-41.12	-20	Pass
NVNT	n40	2437	Ant3	-41.38	-20	Pass
NVNT	n40	2452	Ant3	-41.22	-20	Pass
NVNT	ax20	2412	Ant3	-43.17	-20	Pass
NVNT	ax20	2437	Ant3	-43.07	-20	Pass
NVNT	ax20	2462	Ant3	-44.63	-20	Pass
NVNT	ax40	2422	Ant3	-38.94	-20	Pass
NVNT	ax40	2437	Ant3	-39.93	-20	Pass
NVNT	ax40	2452	Ant3	-39.95	-20	Pass

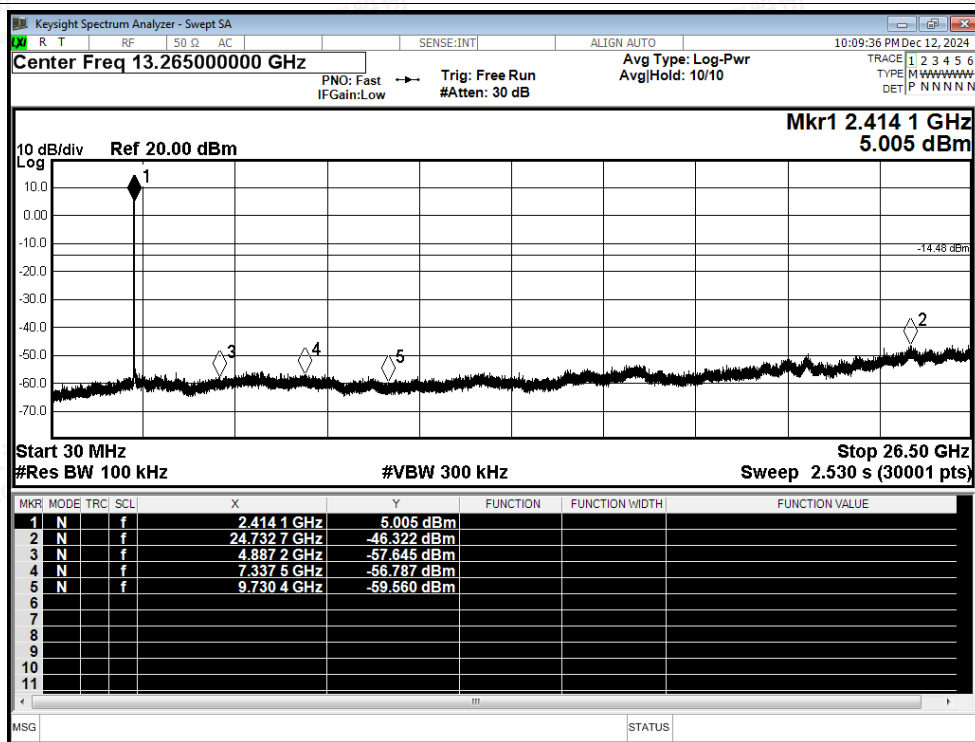


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant3 Ref

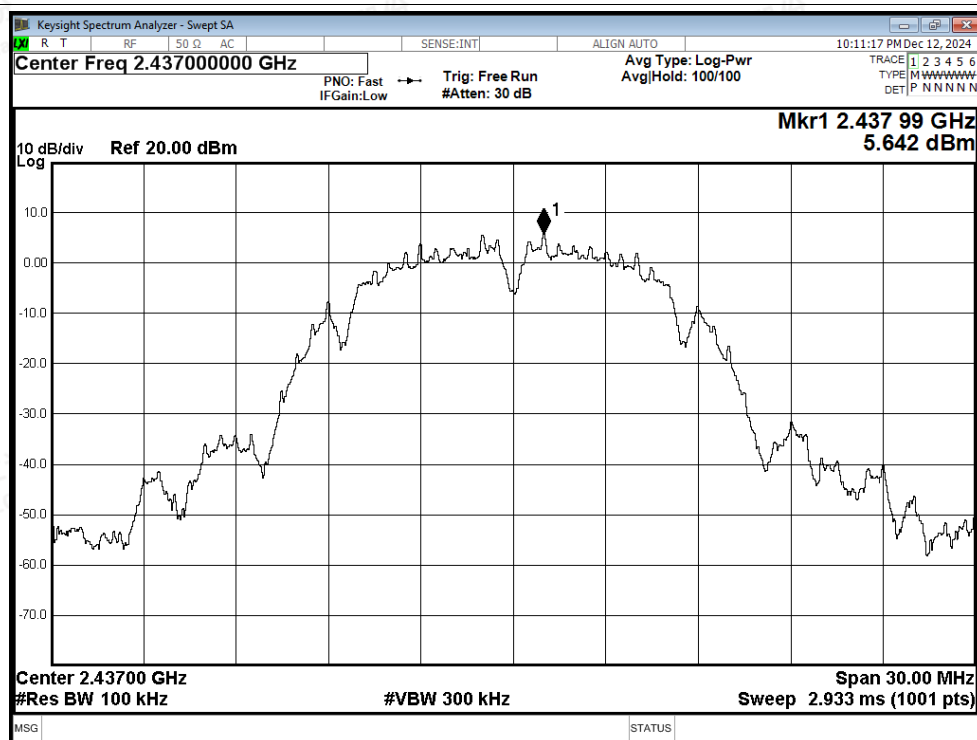


Tx. Spurious NVNT b 2412MHz Ant3 Emission

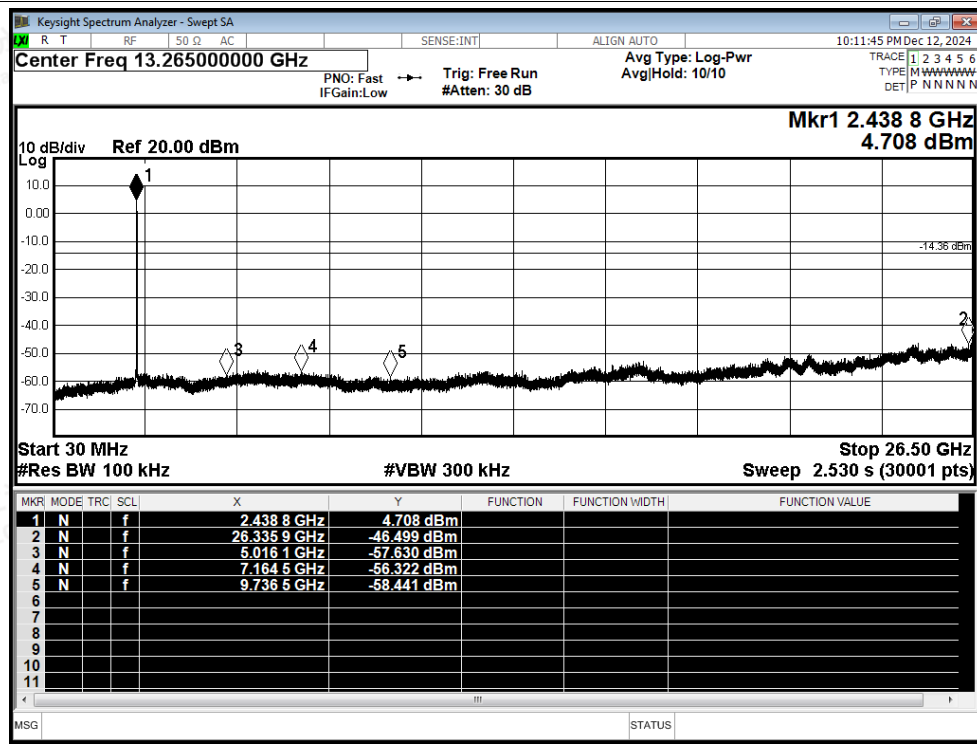




Tx. Spurious NVNT b 2437MHz Ant3 Ref

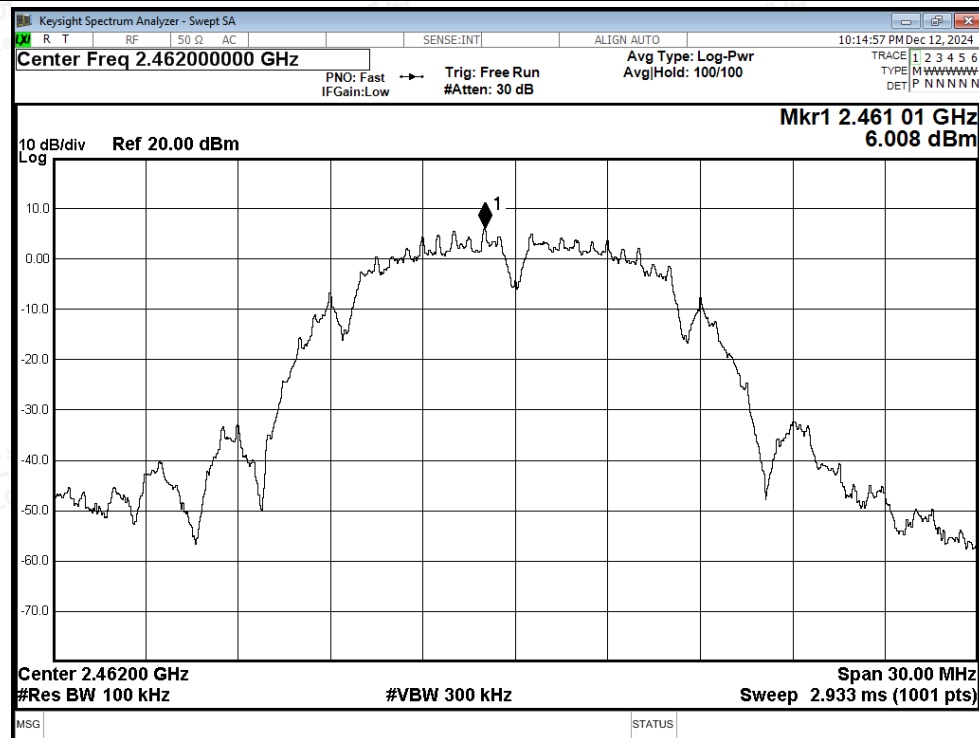


Tx. Spurious NVNT b 2437MHz Ant3 Emission

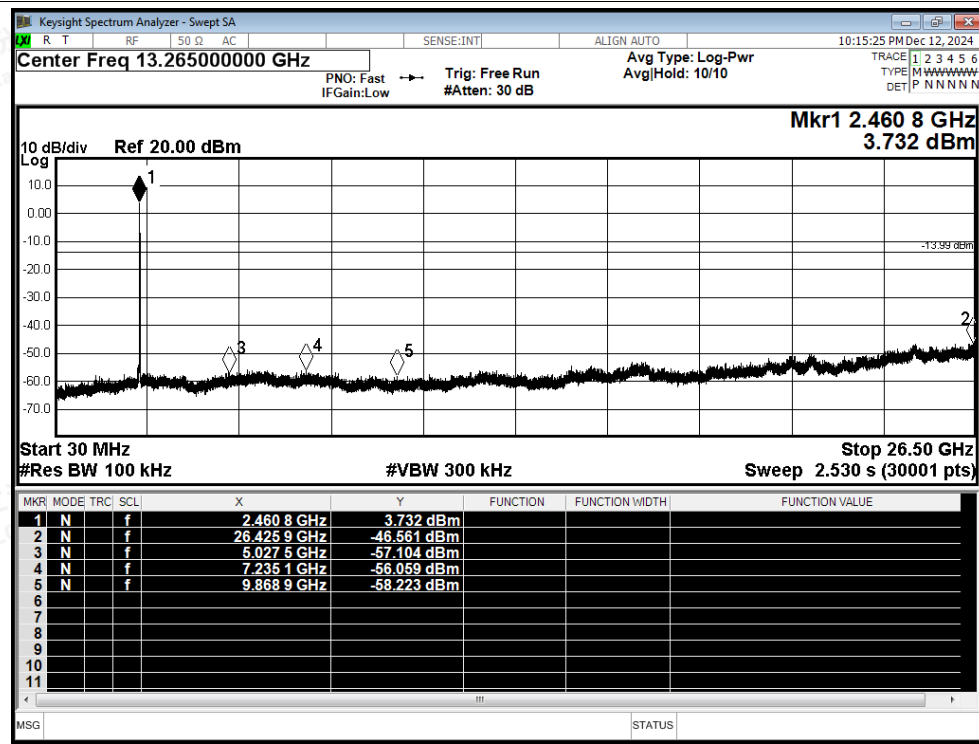




Tx. Spurious NVNT b 2462MHz Ant3 Ref

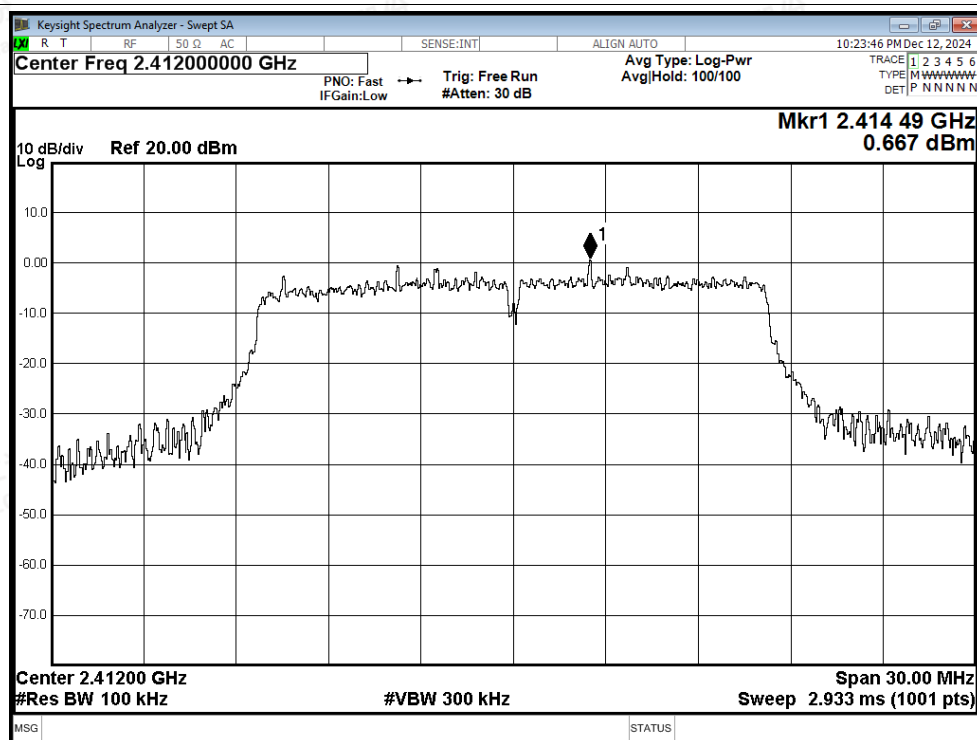


Tx. Spurious NVNT b 2462MHz Ant3 Emission

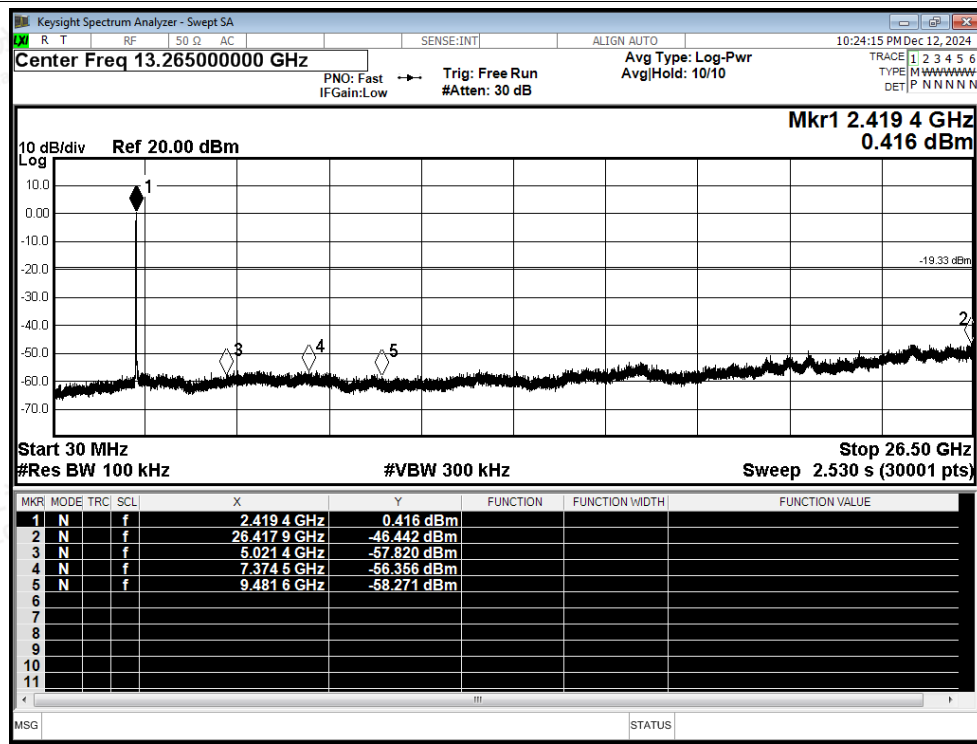




Tx. Spurious NVNT g 2412MHz Ant3 Ref

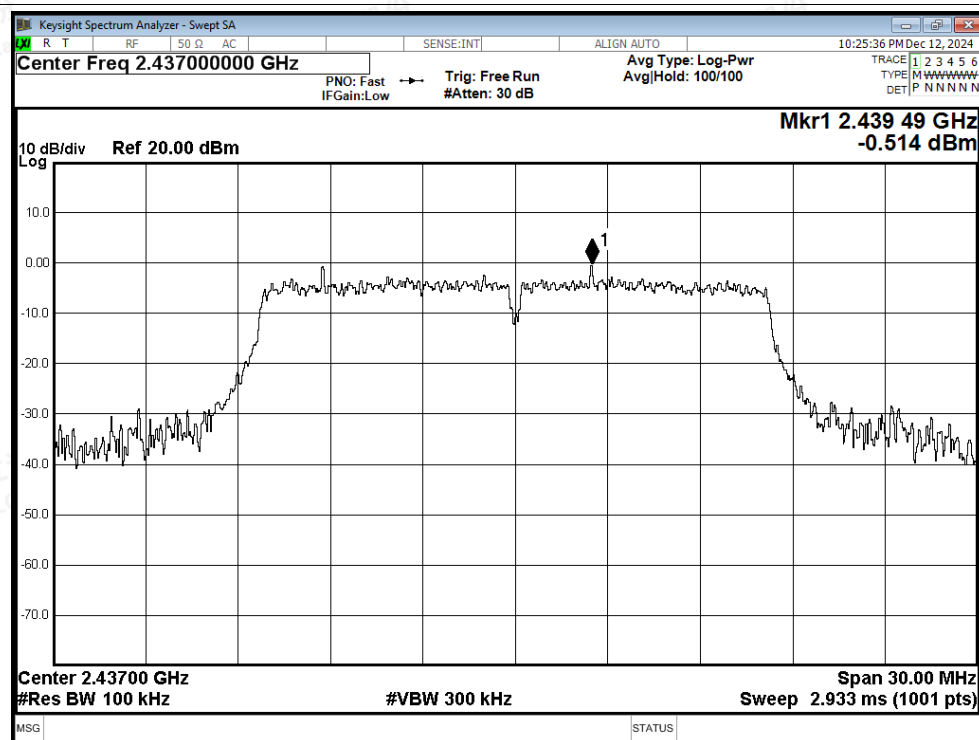


Tx. Spurious NVNT g 2412MHz Ant3 Emission

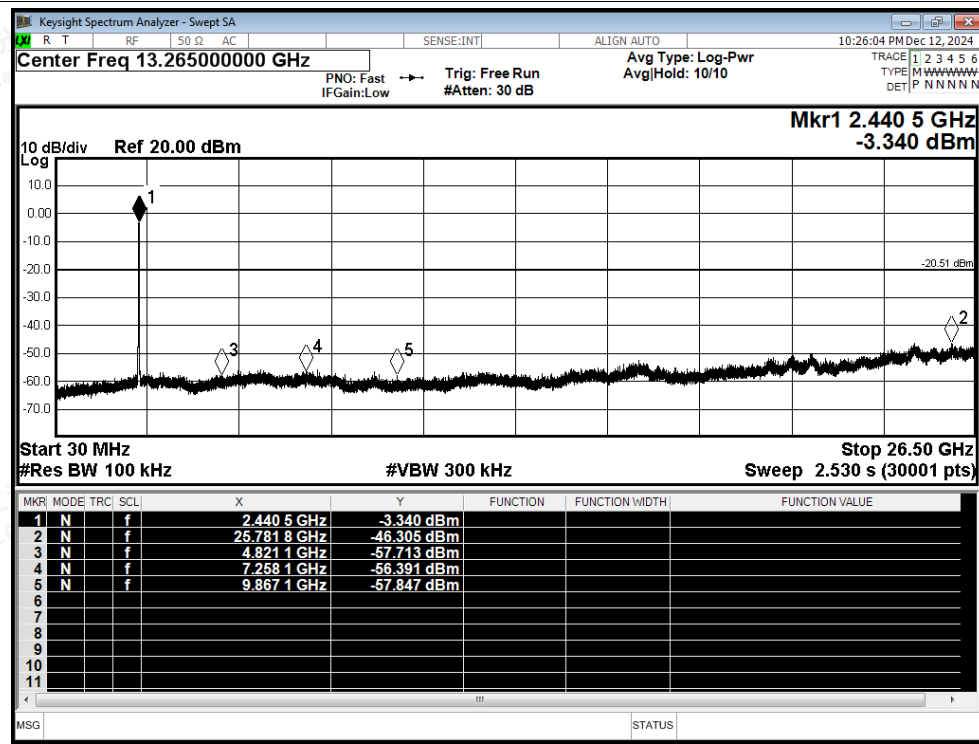




Tx. Spurious NVNT g 2437MHz Ant3 Ref

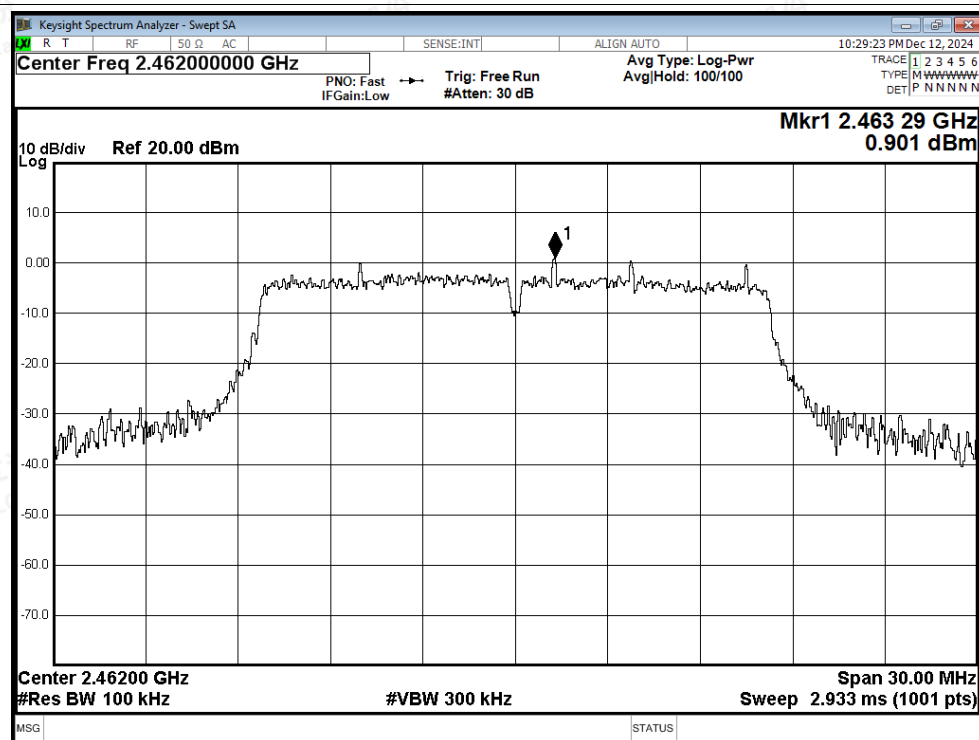


Tx. Spurious NVNT g 2437MHz Ant3 Emission

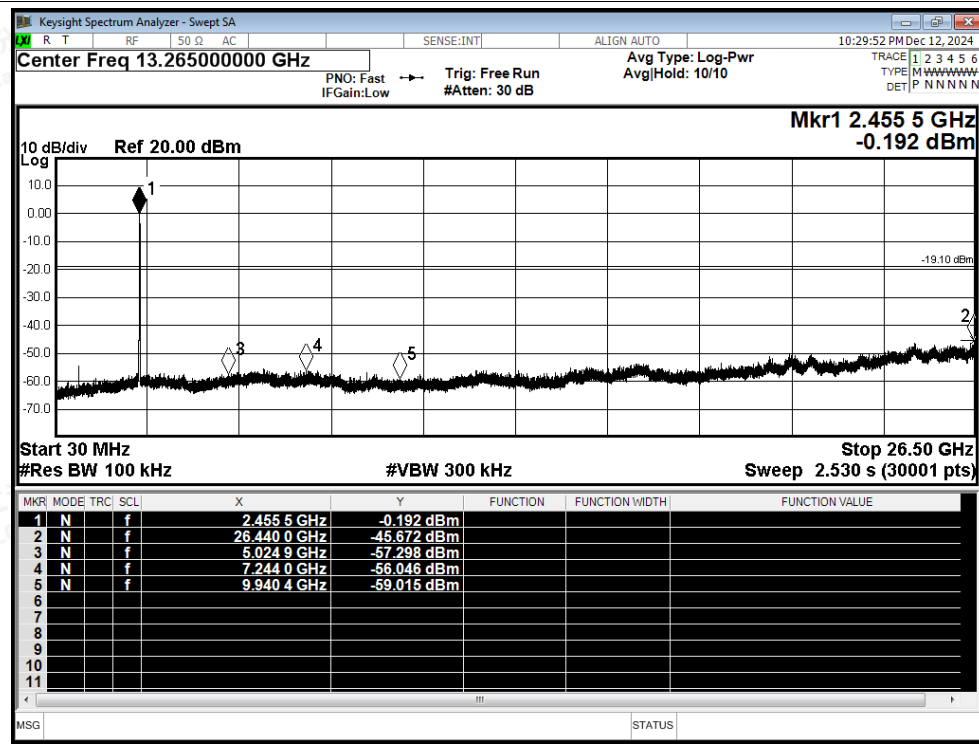




Tx. Spurious NVNT g 2462MHz Ant3 Ref

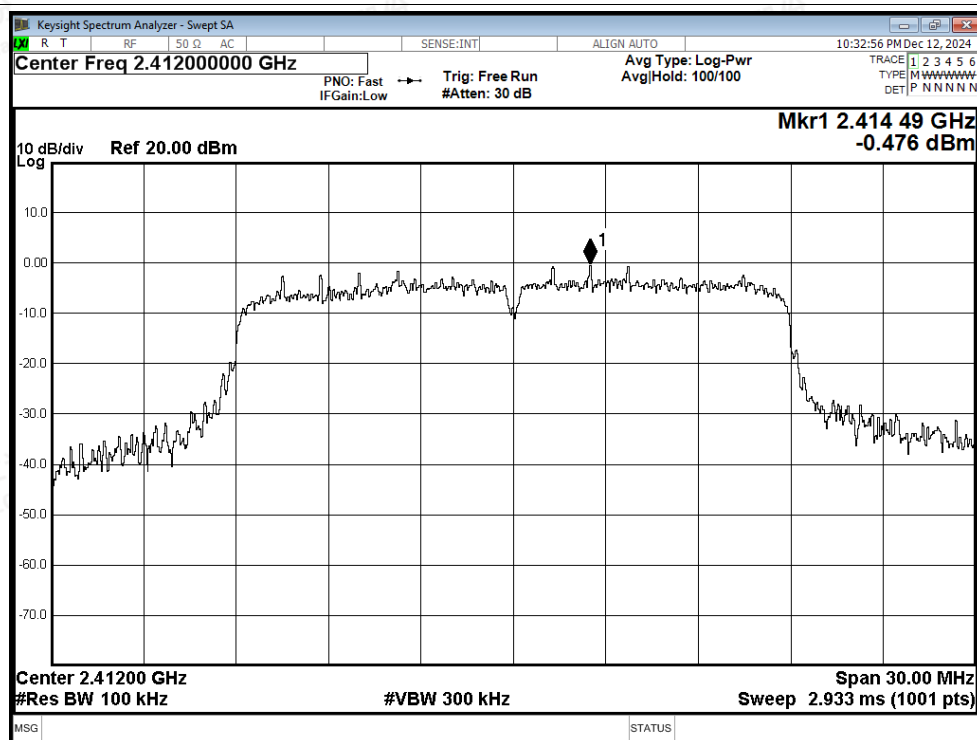


Tx. Spurious NVNT g 2462MHz Ant3 Emission

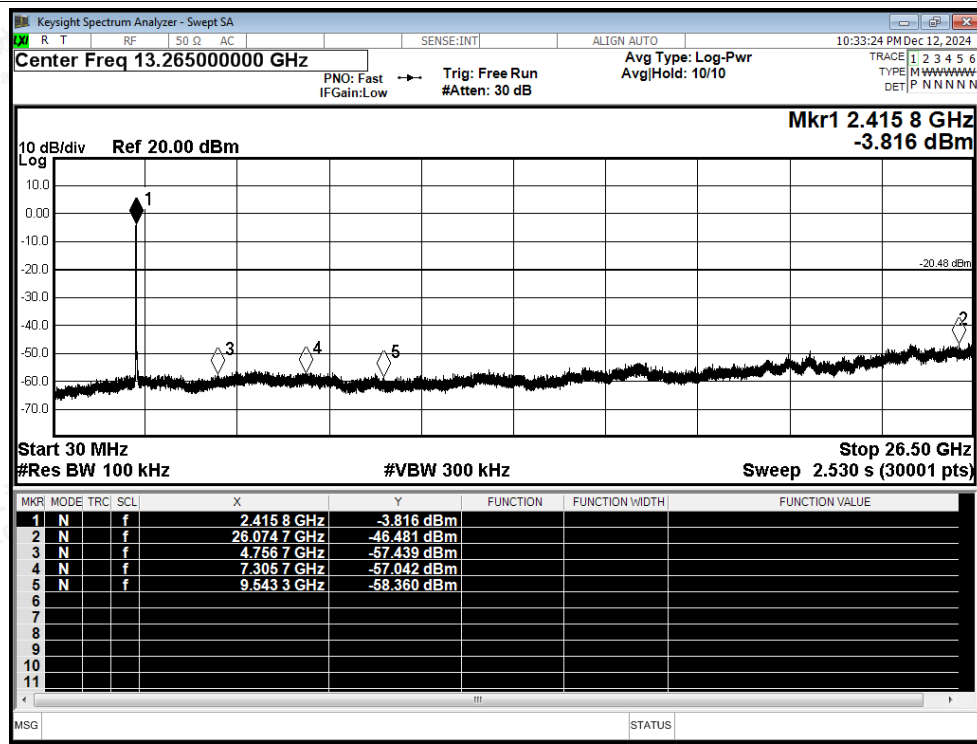




Tx. Spurious NVNT n20 2412MHz Ant3 Ref

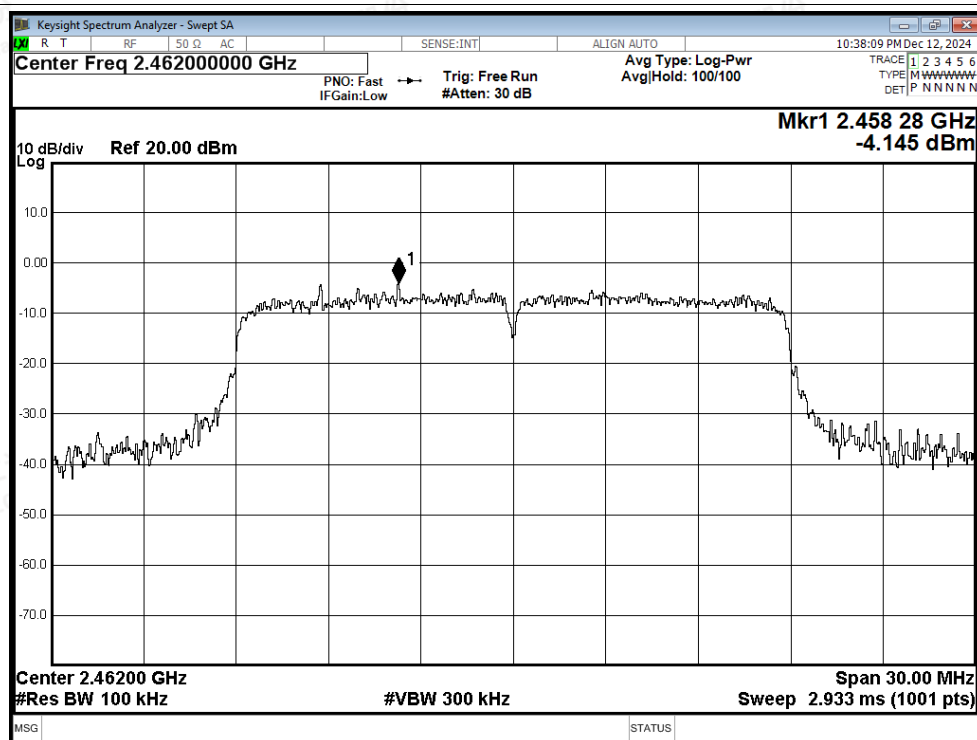


Tx. Spurious NVNT n20 2412MHz Ant3 Emission

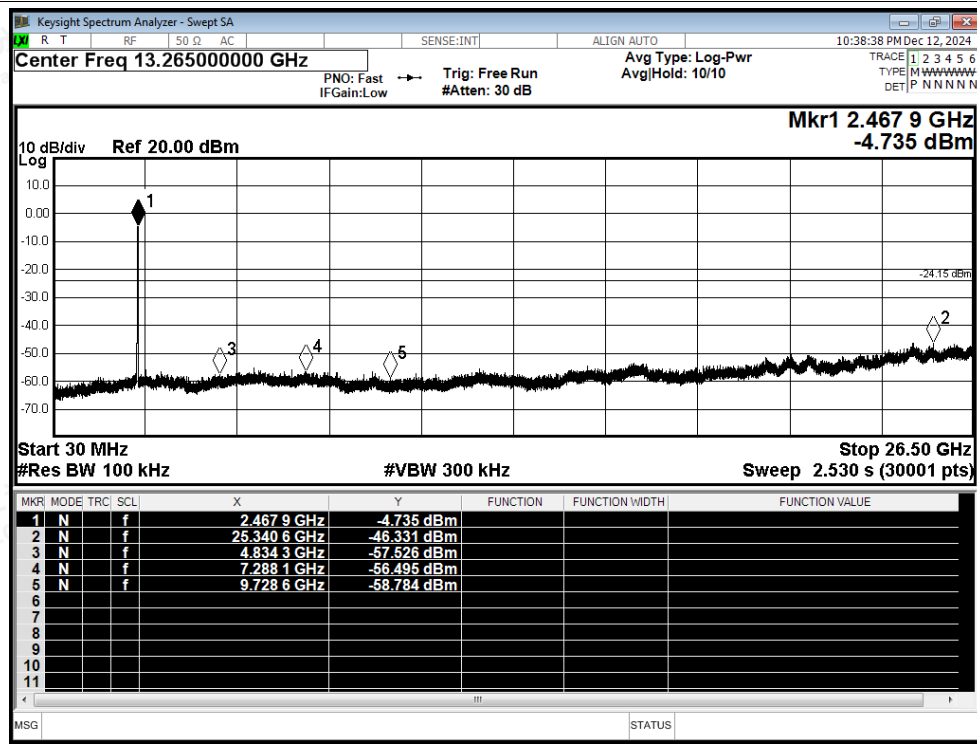




Tx. Spurious NVNT n20 2462MHz Ant3 Ref

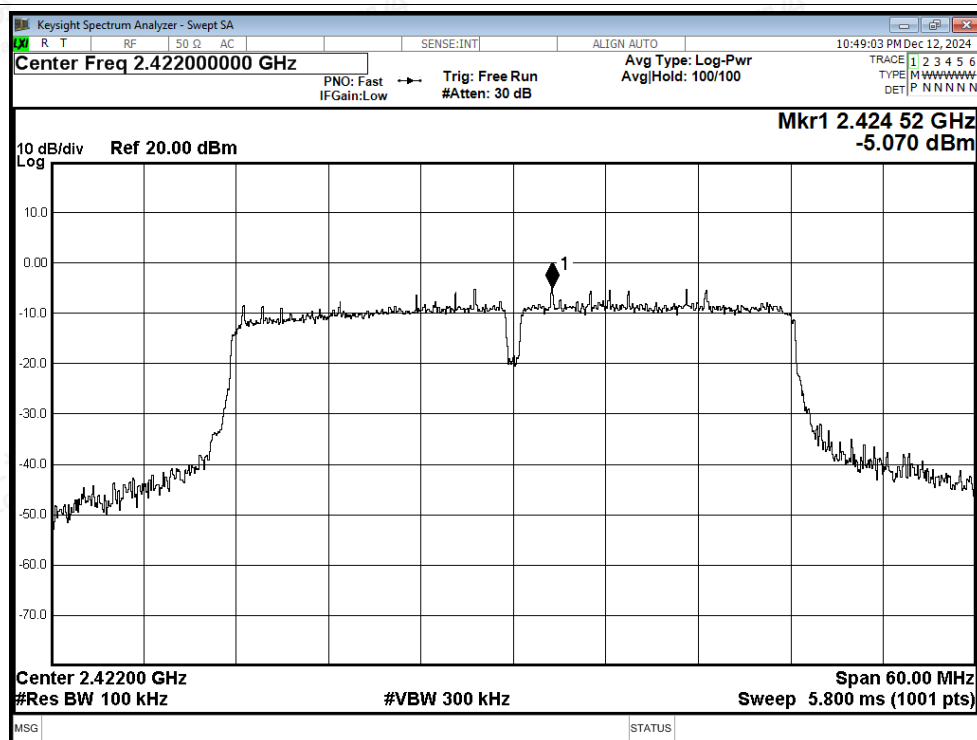


Tx. Spurious NVNT n20 2462MHz Ant3 Emission

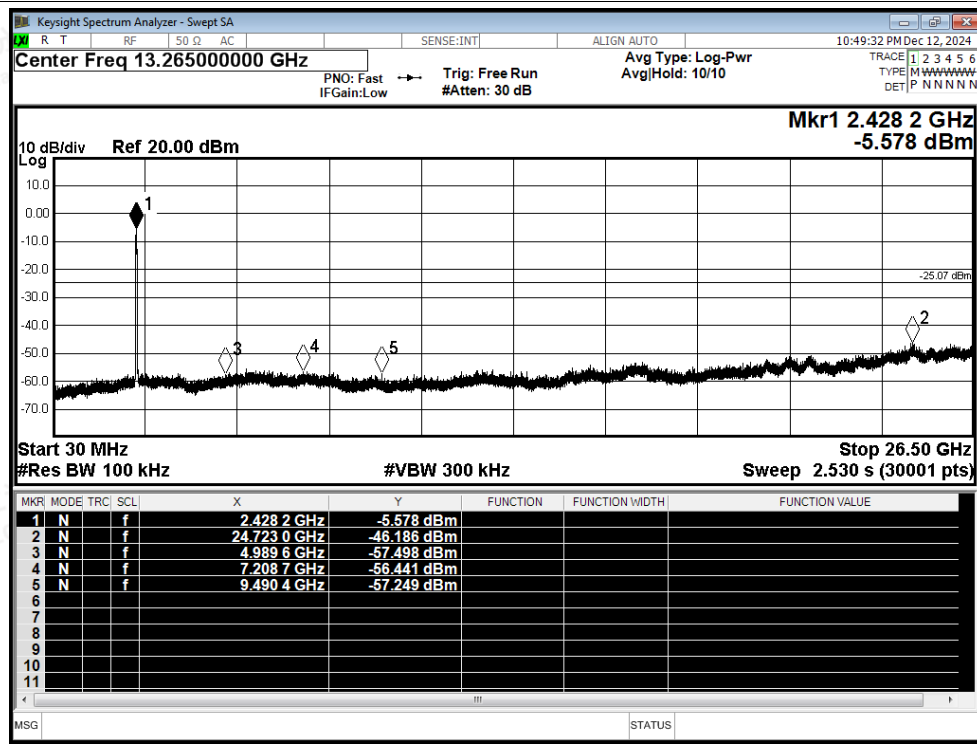




Tx. Spurious NVNT n40 2422MHz Ant3 Ref

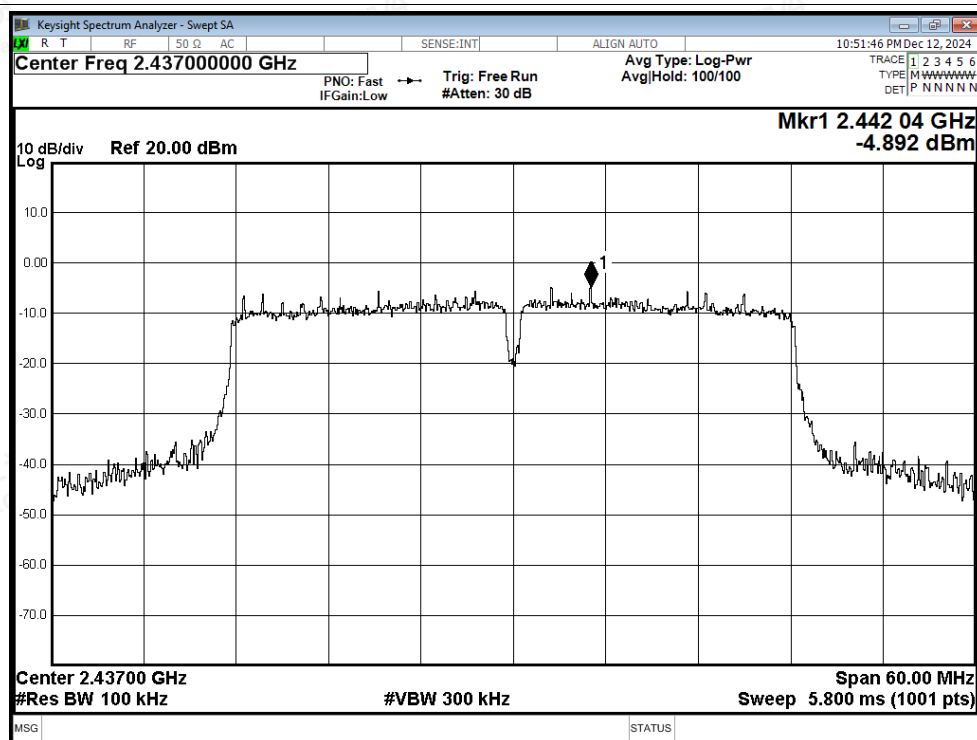


Tx. Spurious NVNT n40 2422MHz Ant3 Emission

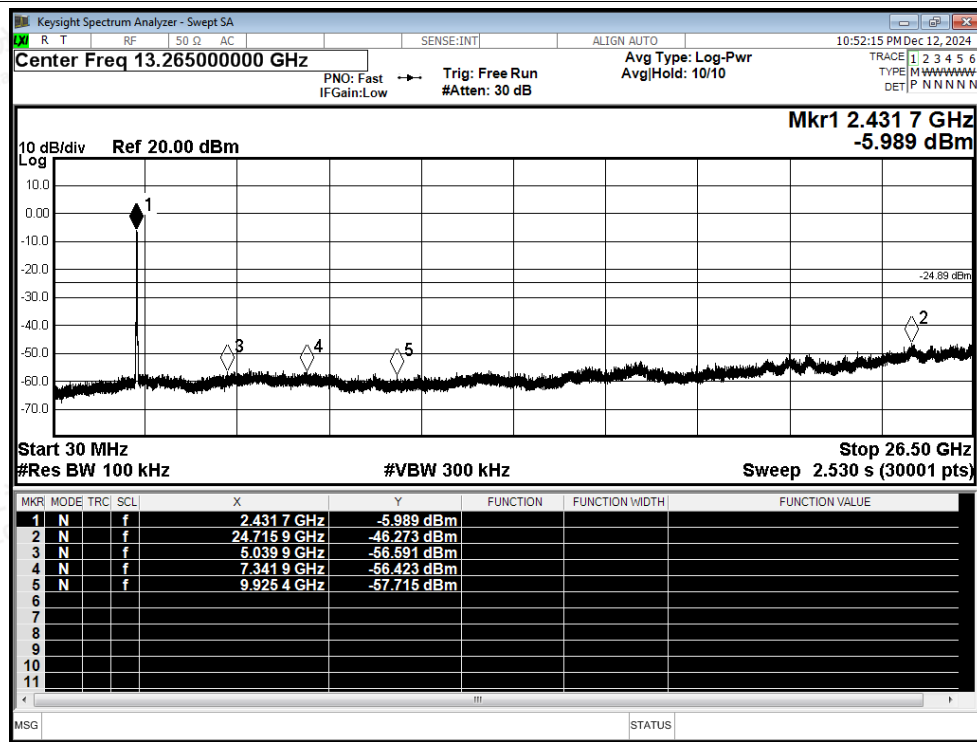




Tx. Spurious NVNT n40 2437MHz Ant3 Ref

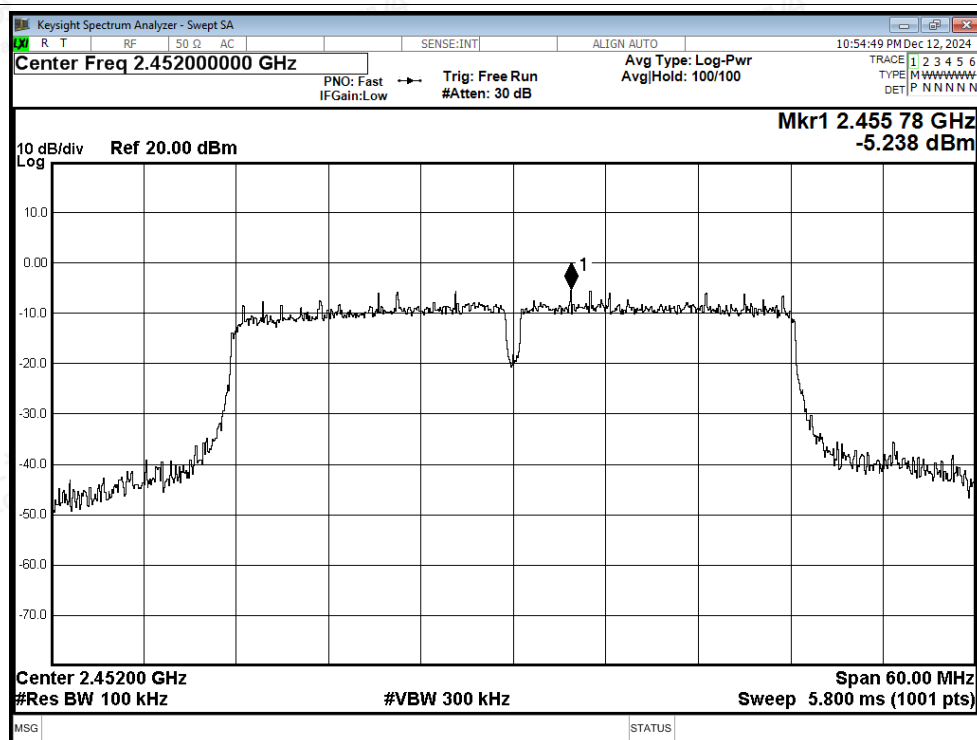


Tx. Spurious NVNT n40 2437MHz Ant3 Emission

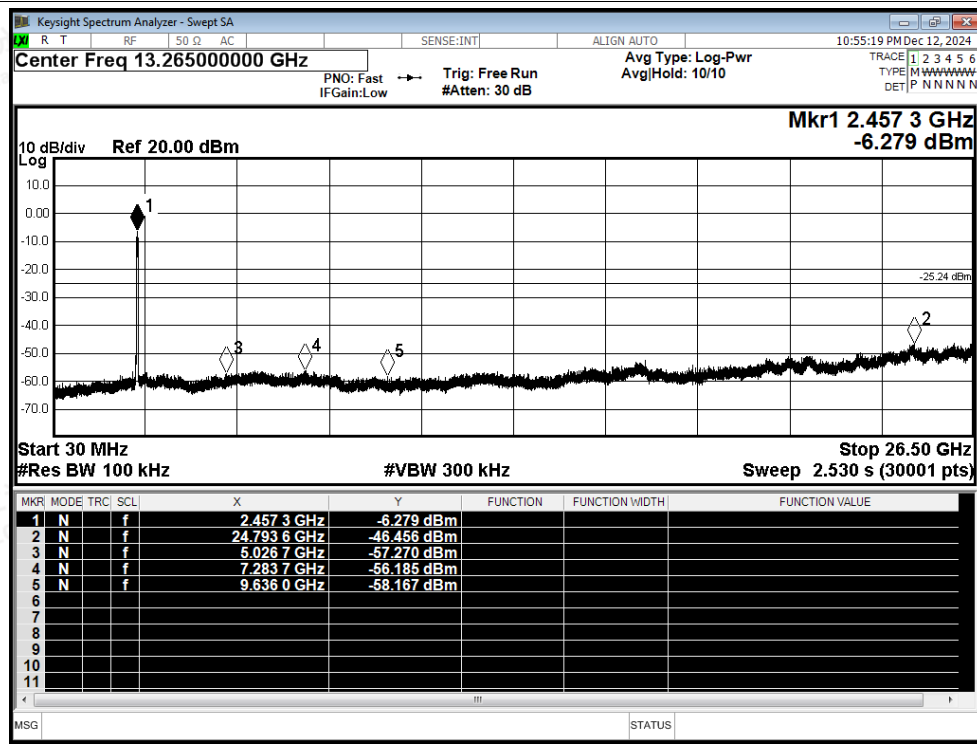




Tx. Spurious NVNT n40 2452MHz Ant3 Ref

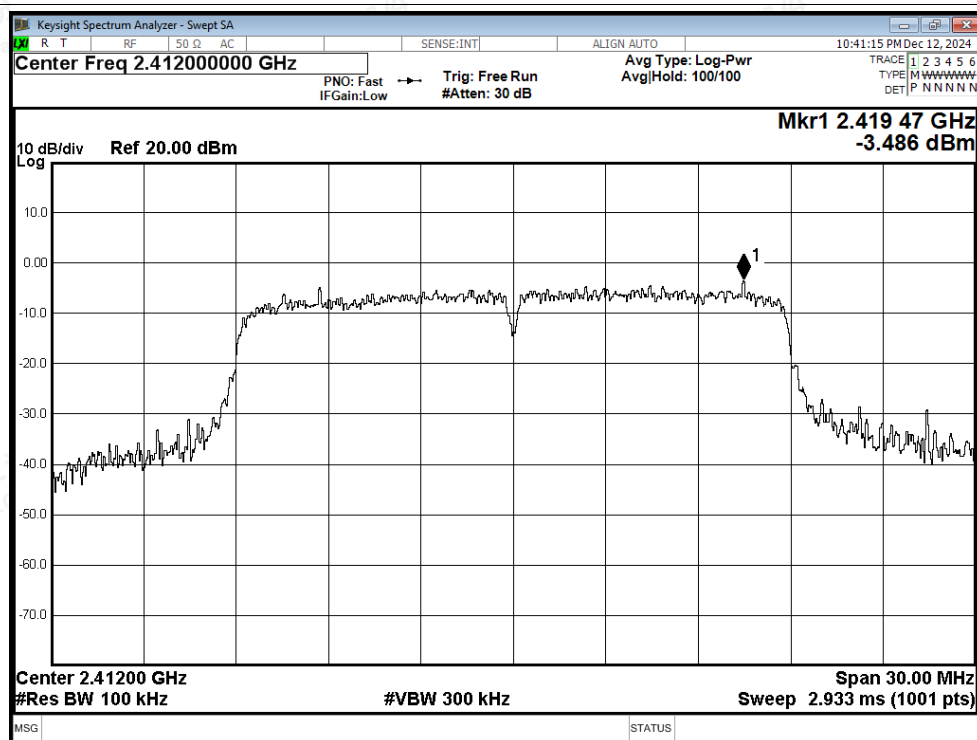


Tx. Spurious NVNT n40 2452MHz Ant3 Emission

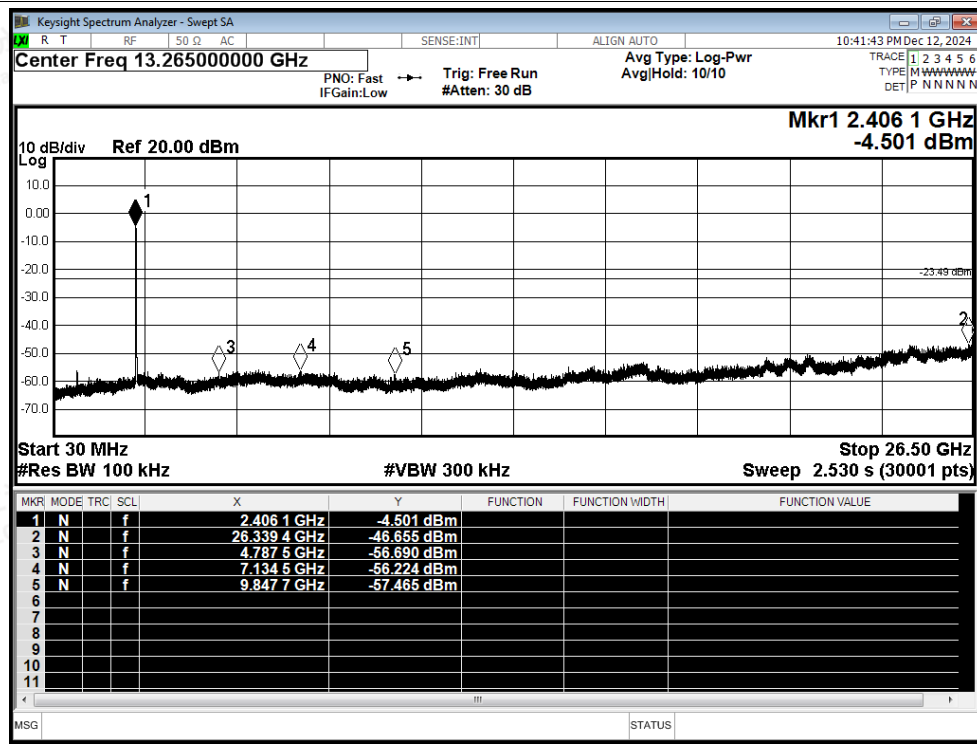




Tx. Spurious NVNT ax20 2412MHz Ant3 Ref

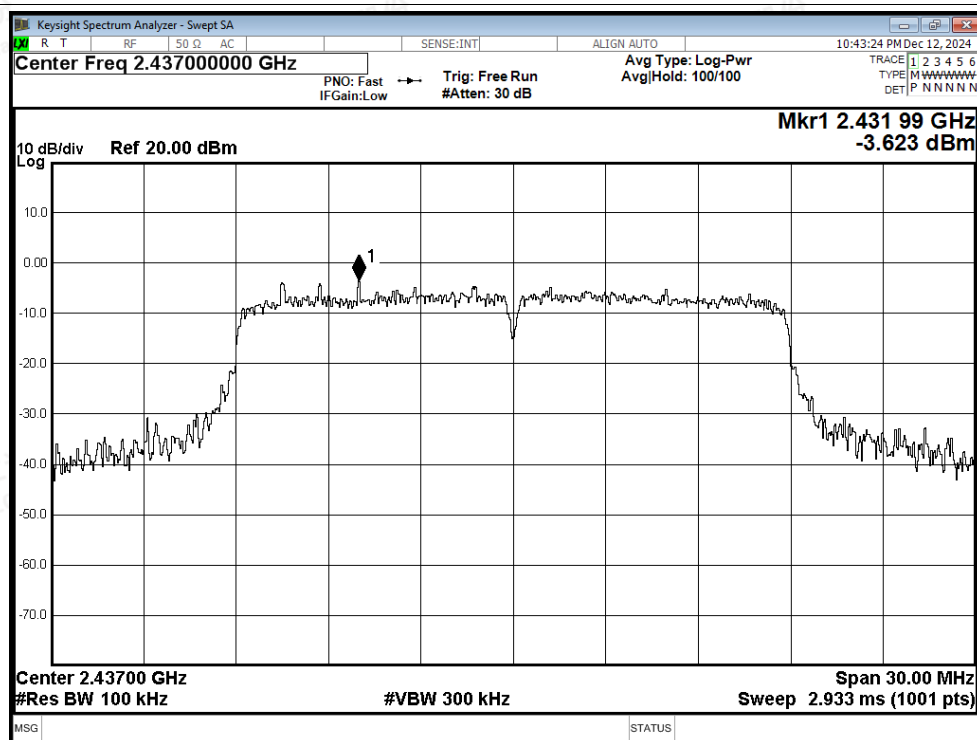


Tx. Spurious NVNT ax20 2412MHz Ant3 Emission





Tx. Spurious NVNT ax20 2437MHz Ant3 Ref



Tx. Spurious NVNT ax20 2437MHz Ant3 Emission

