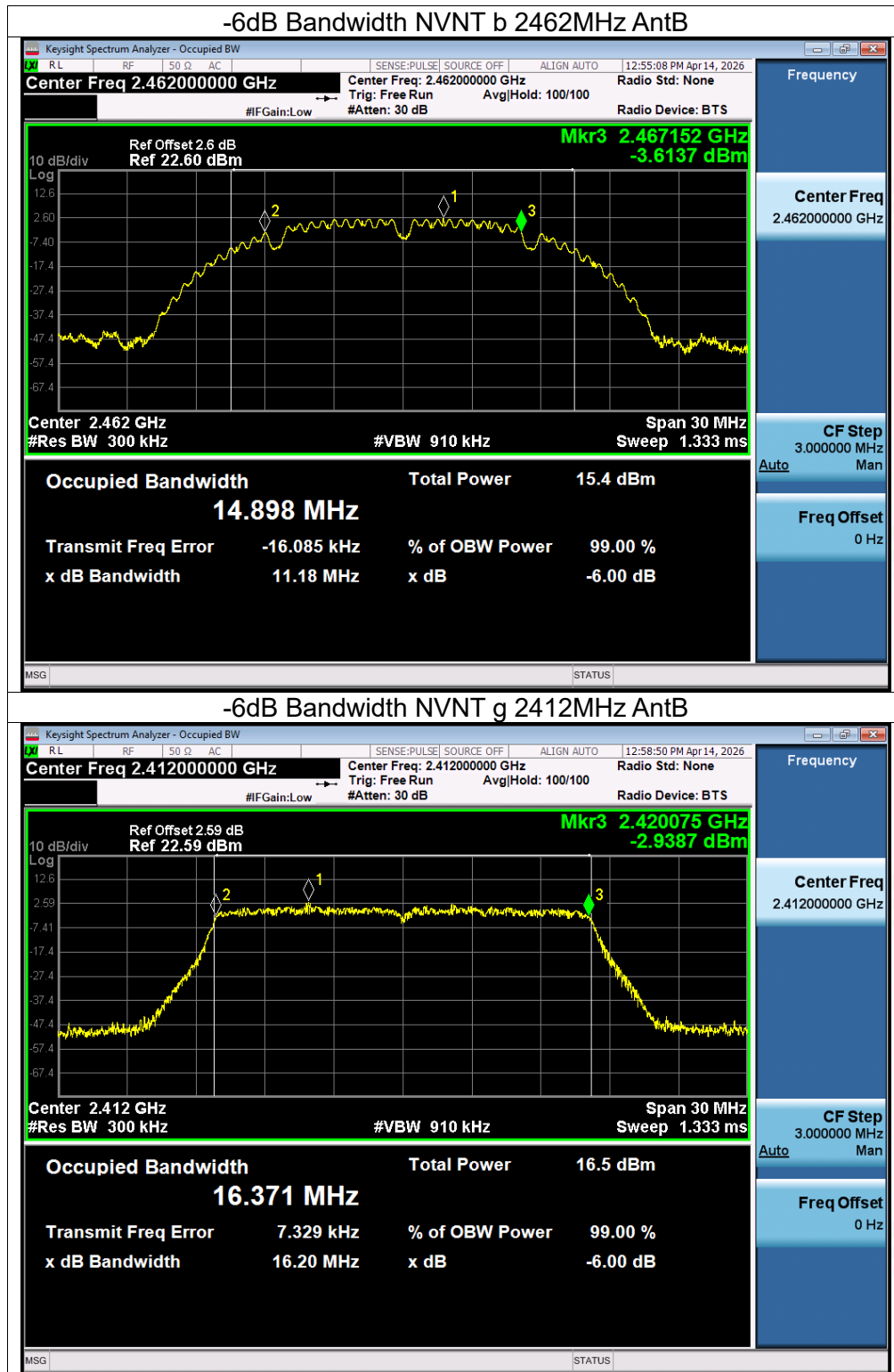
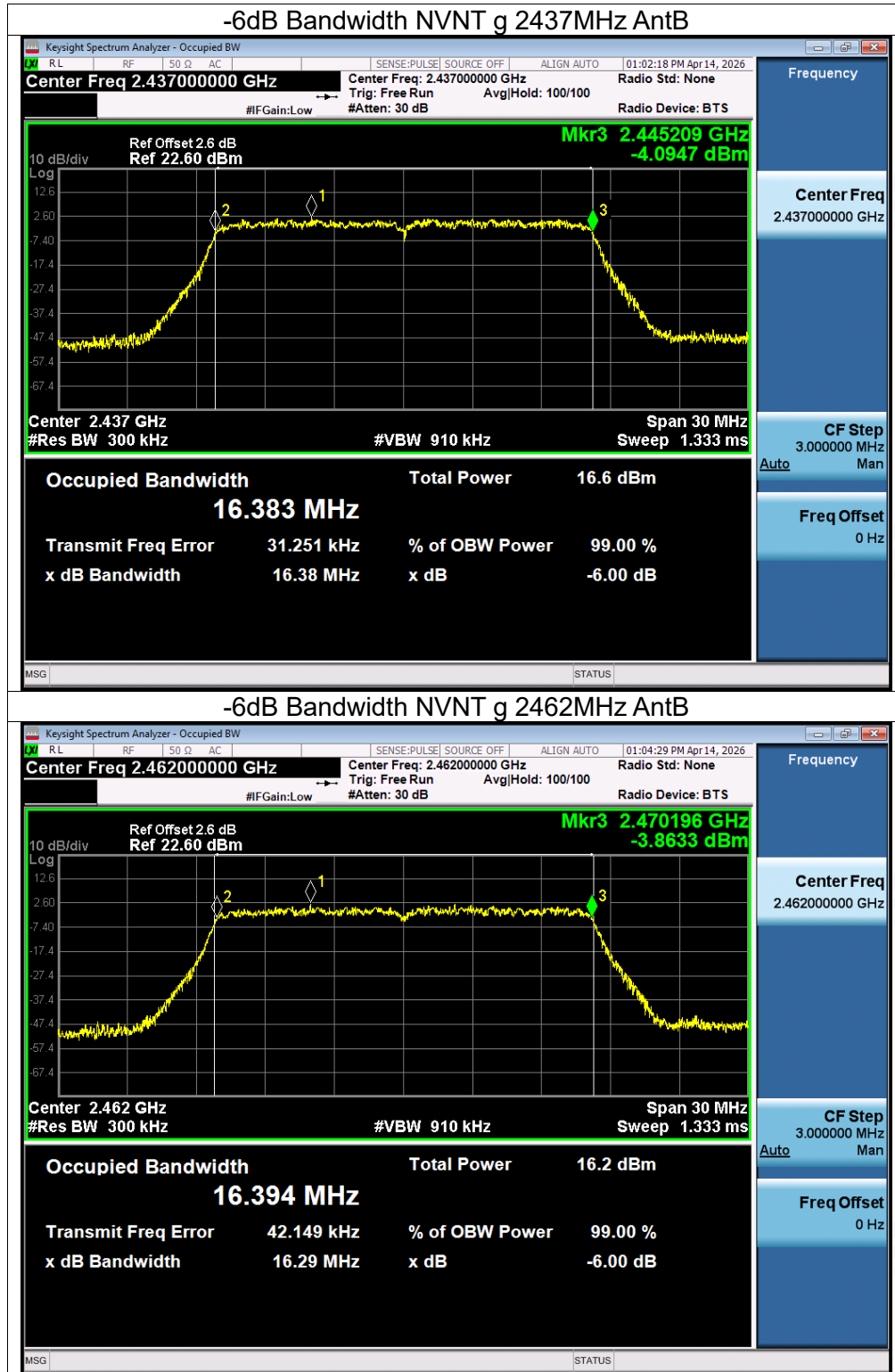
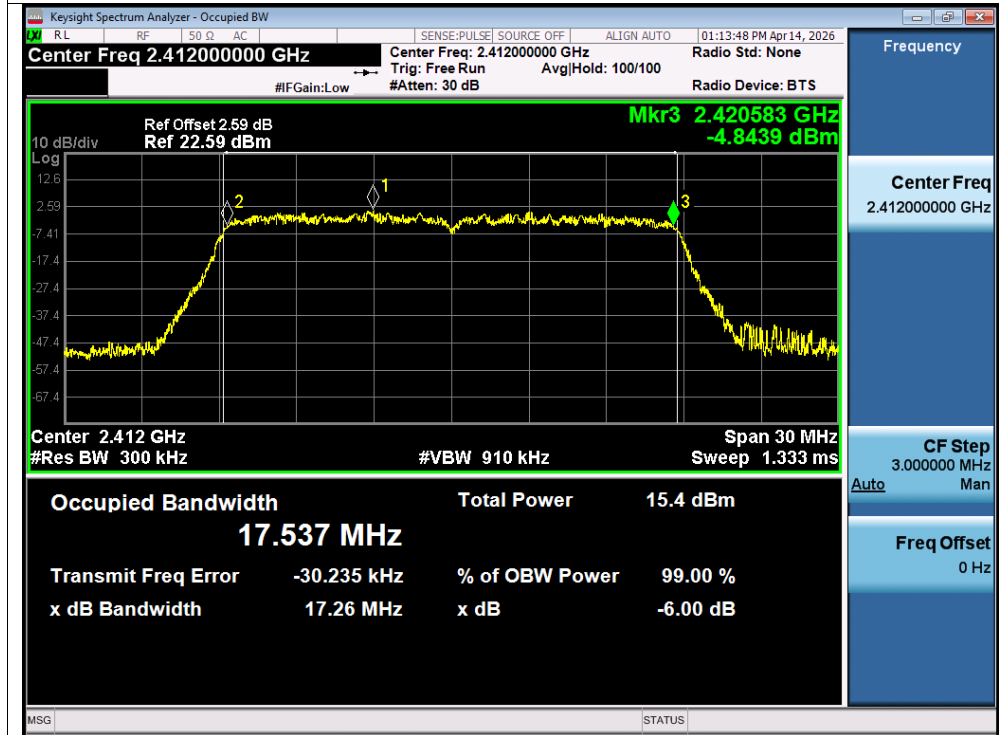
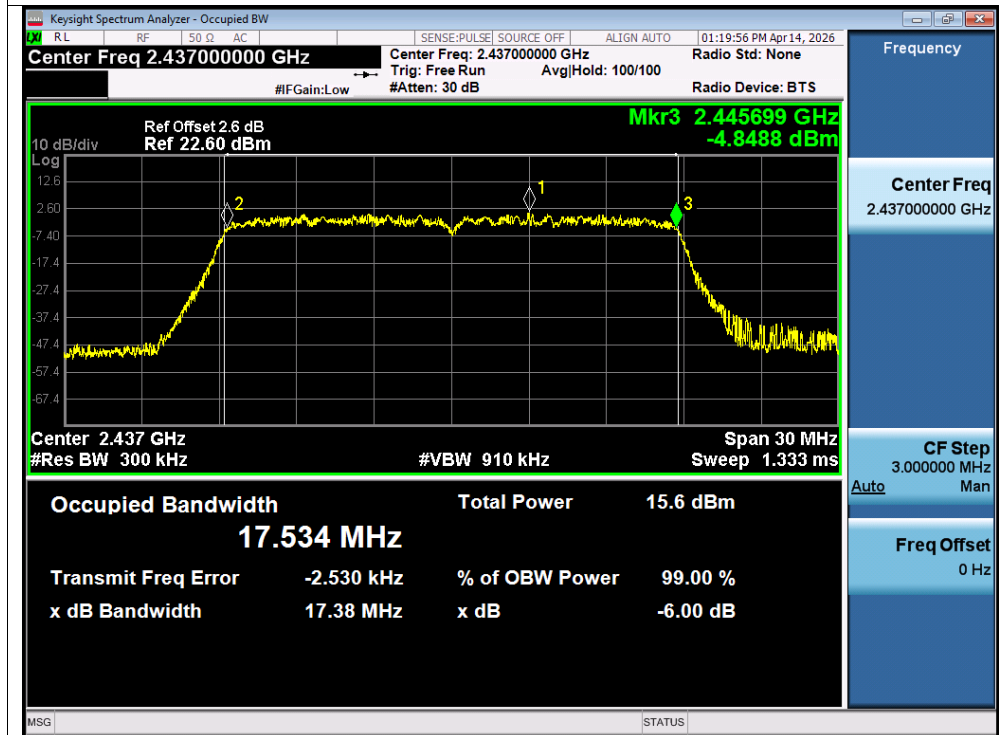
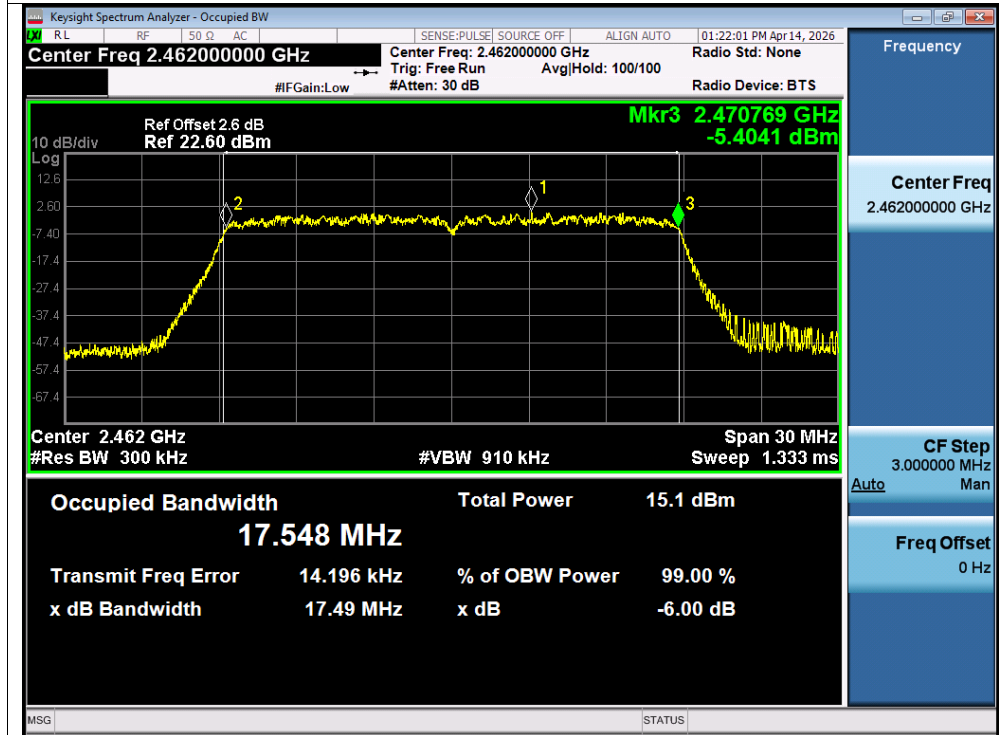
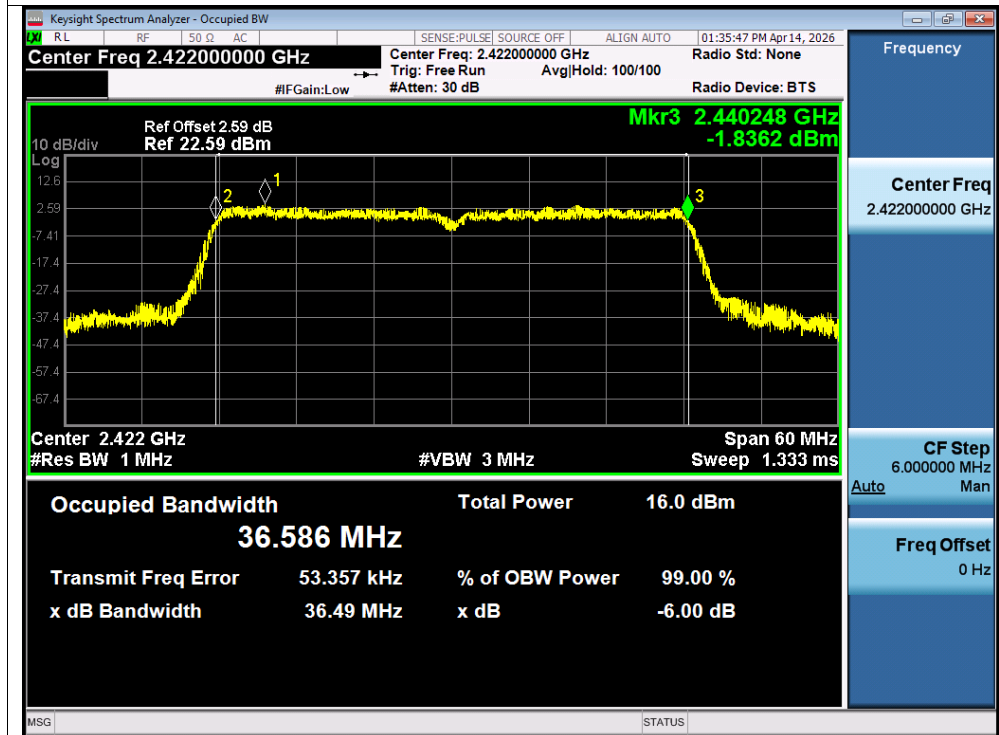
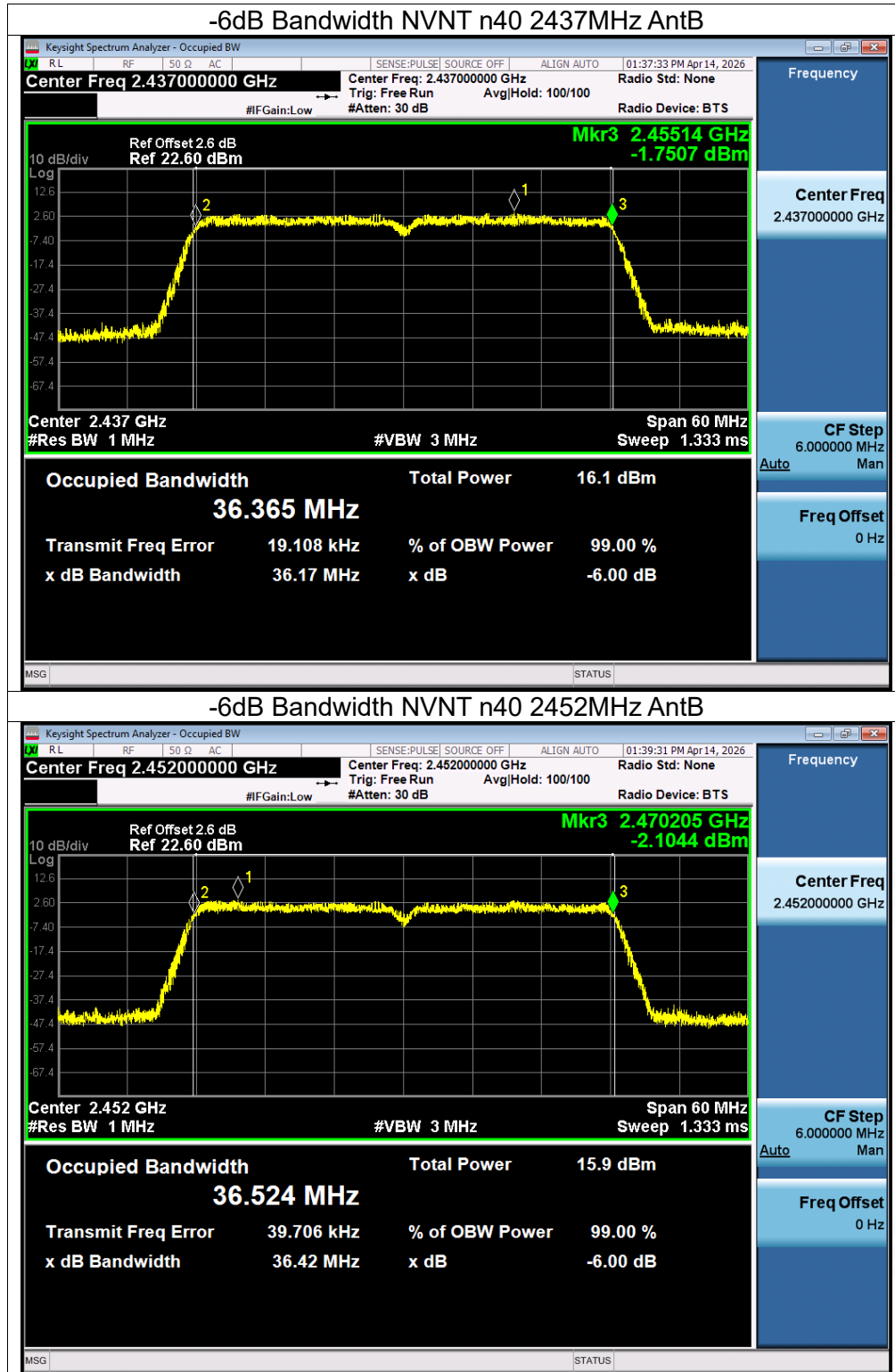


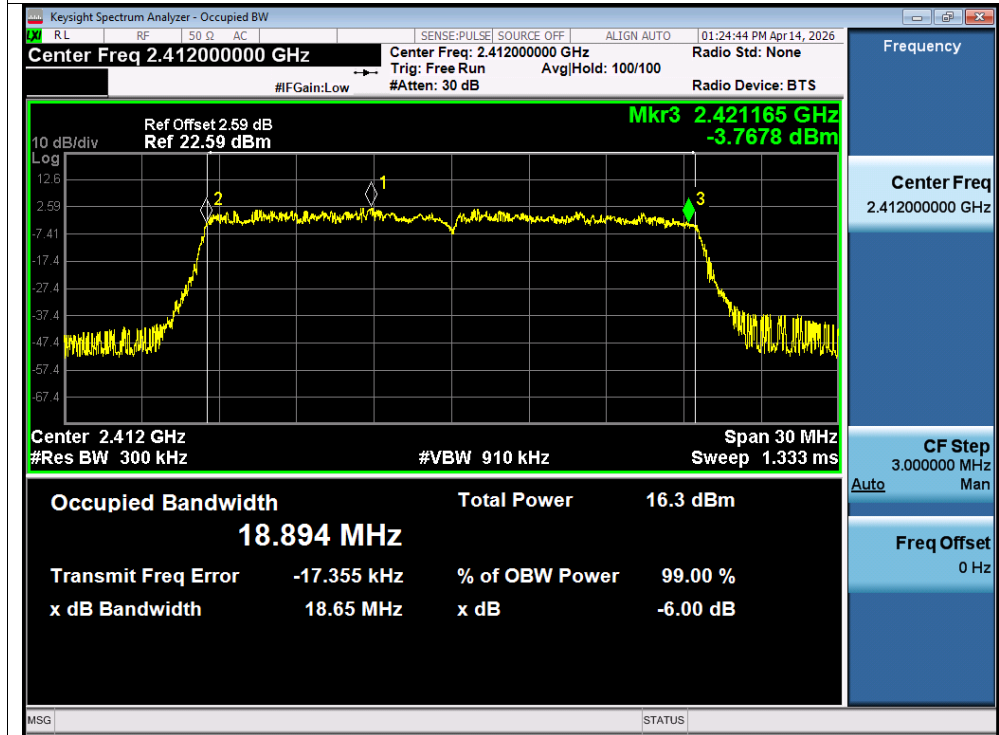
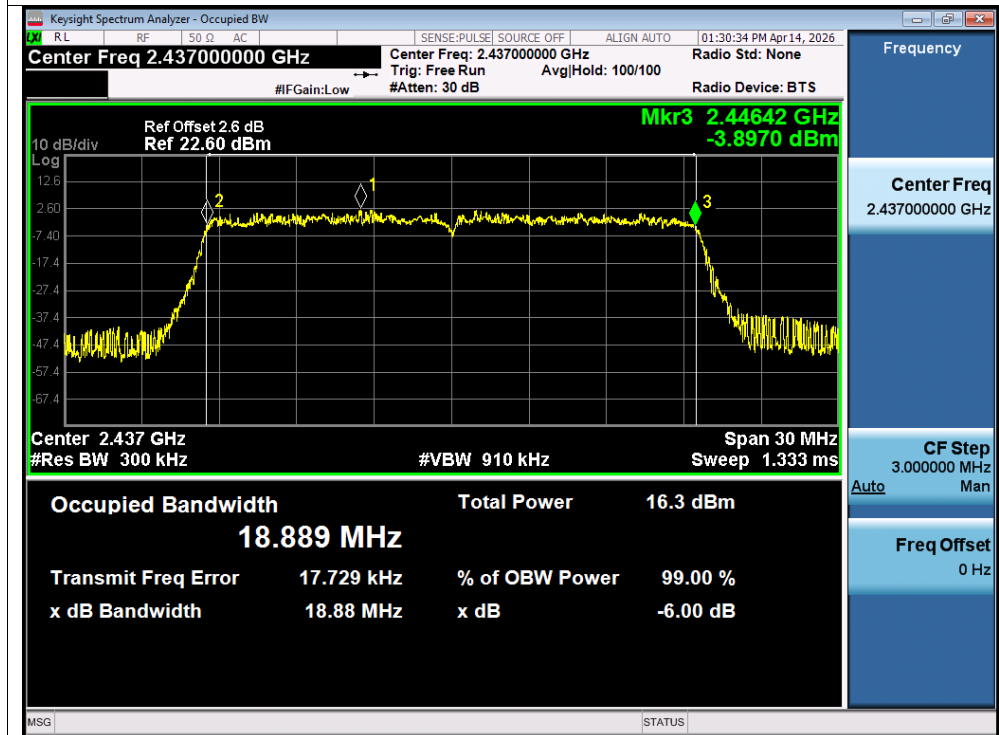


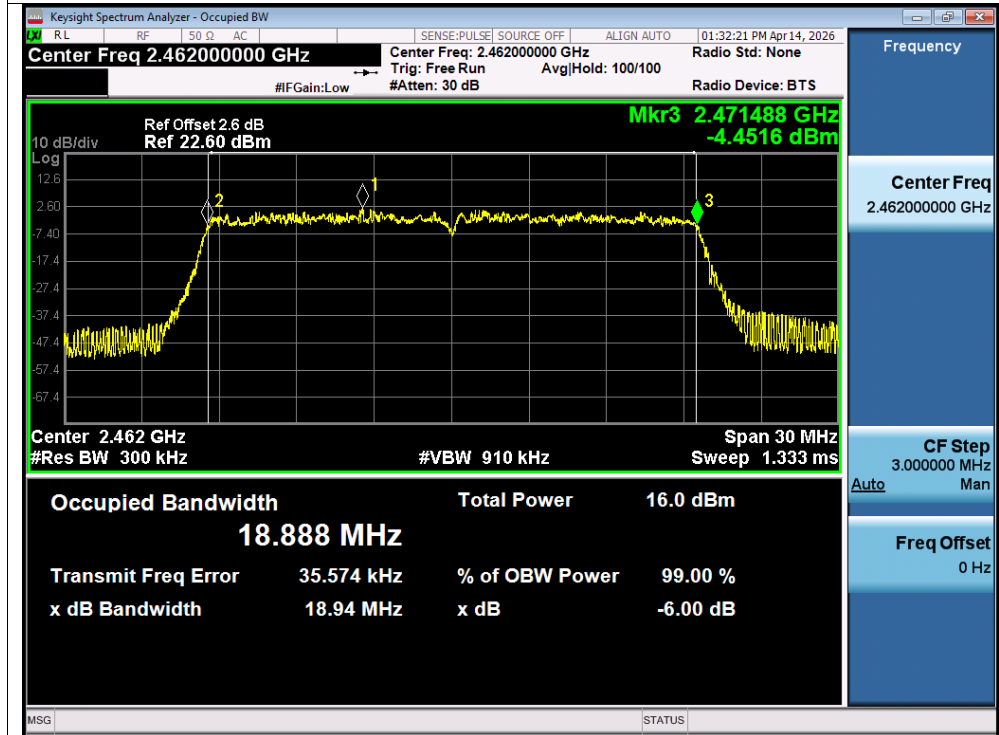
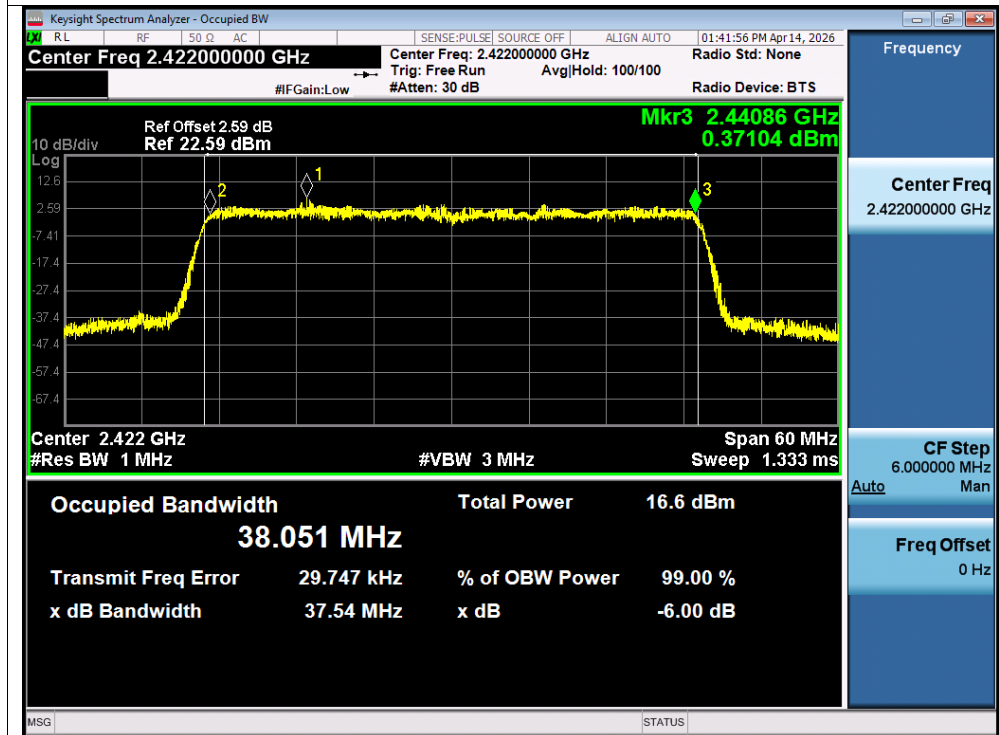


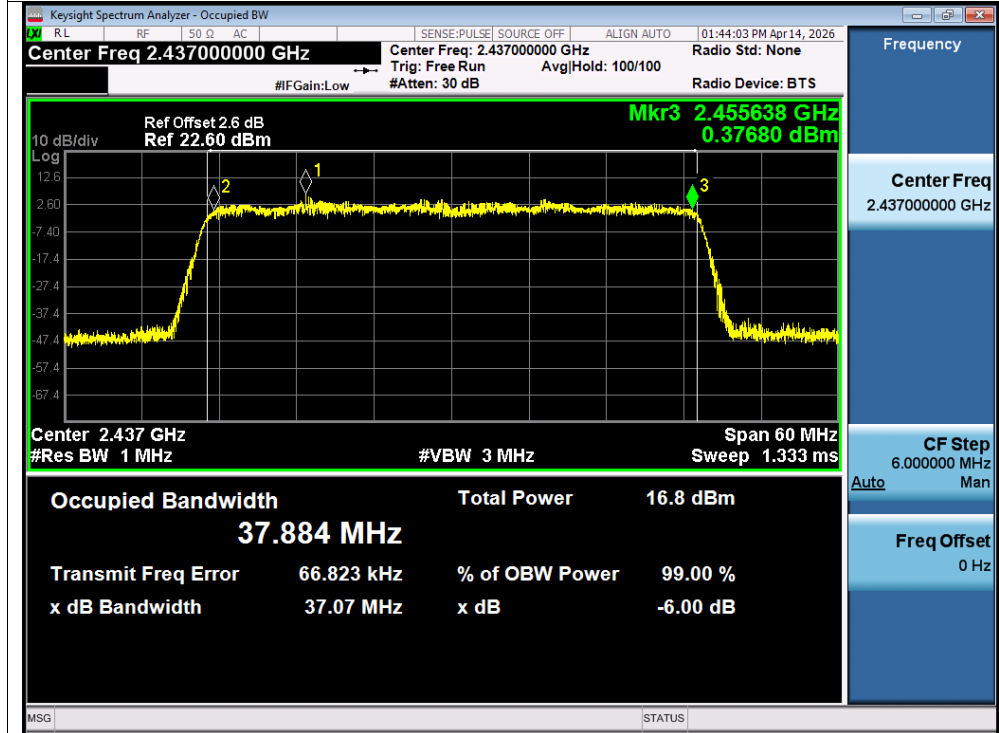
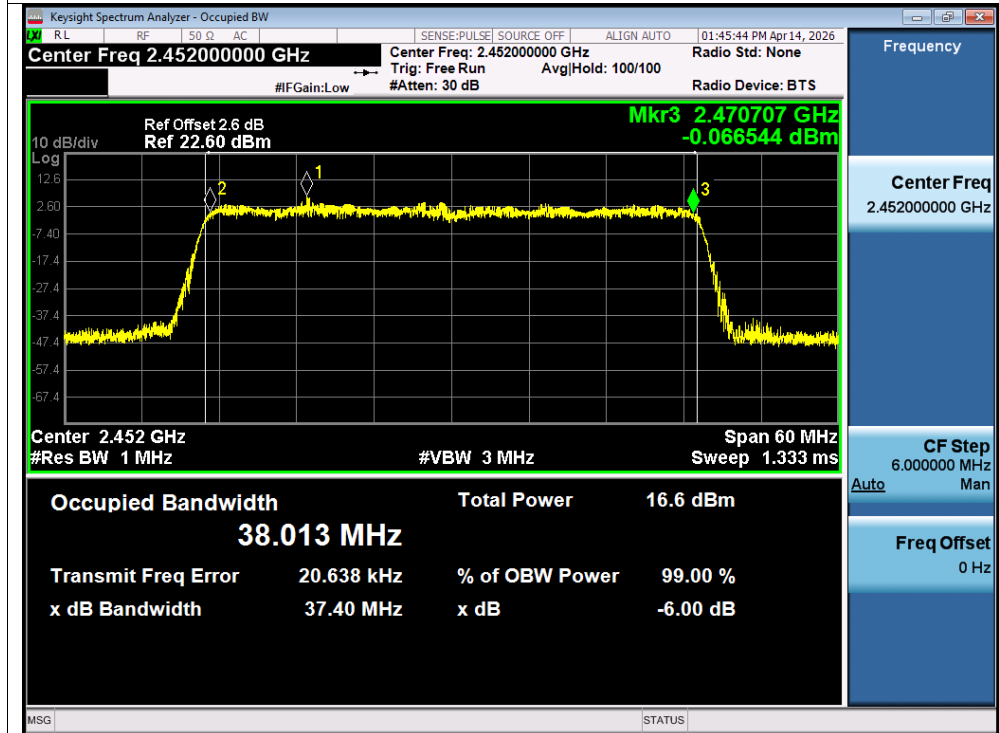
**-6dB Bandwidth NVNT n20 2412MHz AntB****-6dB Bandwidth NVNT n20 2437MHz AntB**

**-6dB Bandwidth NVNT n20 2462MHz AntB****-6dB Bandwidth NVNT n40 2422MHz AntB**



**-6dB Bandwidth NVNT ax20 2412MHz AntB****-6dB Bandwidth NVNT ax20 2437MHz AntB**

**-6dB Bandwidth NVNT ax20 2462MHz AntB****-6dB Bandwidth NVNT ax40 2422MHz AntB**

**-6dB Bandwidth NVNT ax40 2437MHz AntB****-6dB Bandwidth NVNT ax40 2452MHz AntB**



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	AntB	14.906
		2437		14.905
		2462		14.918
	g	2412		16.32
		2437		16.312
		2462		16.335
	n20	2412		17.51
		2437		17.495
		2462		17.524
	n40	2422		36.411
		2437		36.283
		2452		36.293
	ax20	2412		18.84
		2437		18.887
		2462		18.875
	ax40	2422		37.852
		2437		37.679
		2452		37.817



Test Graphs

OBW NVNT b 2412MHz AntB



OBW NVNT b 2437MHz AntB

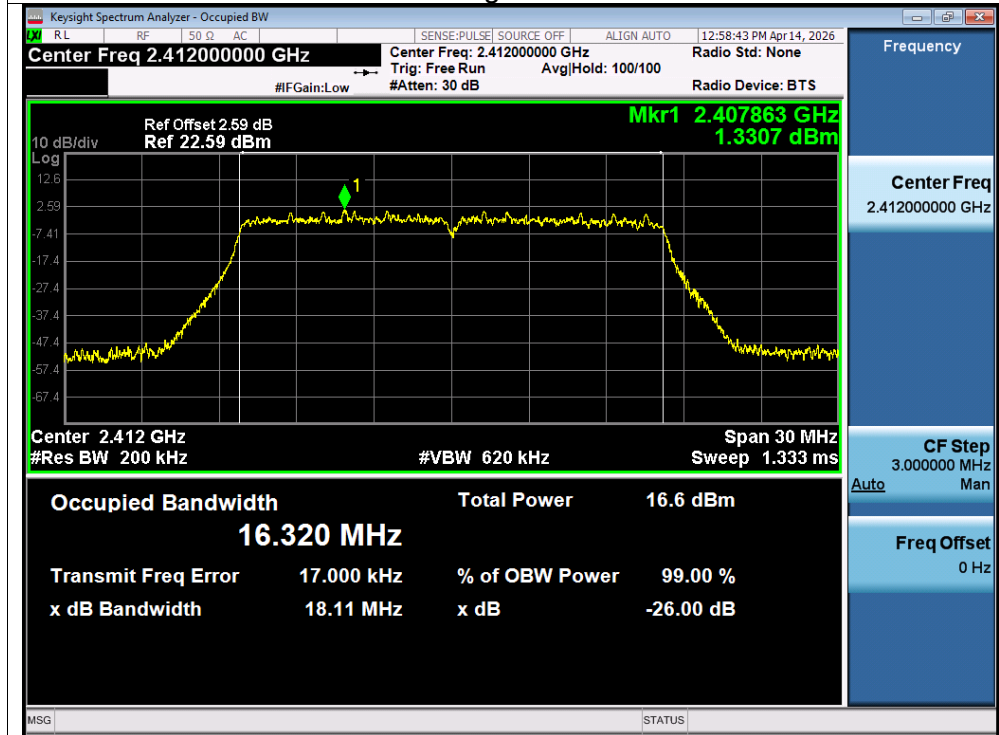




OBW NVNT b 2462MHz AntB

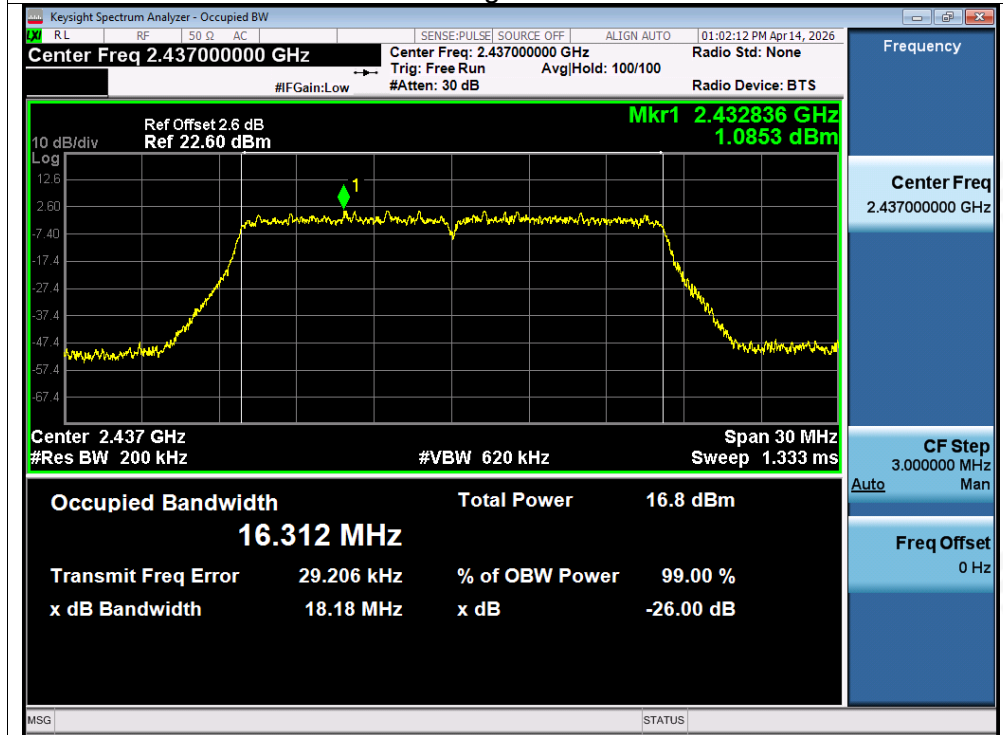


OBW NVNT g 2412MHz AntB

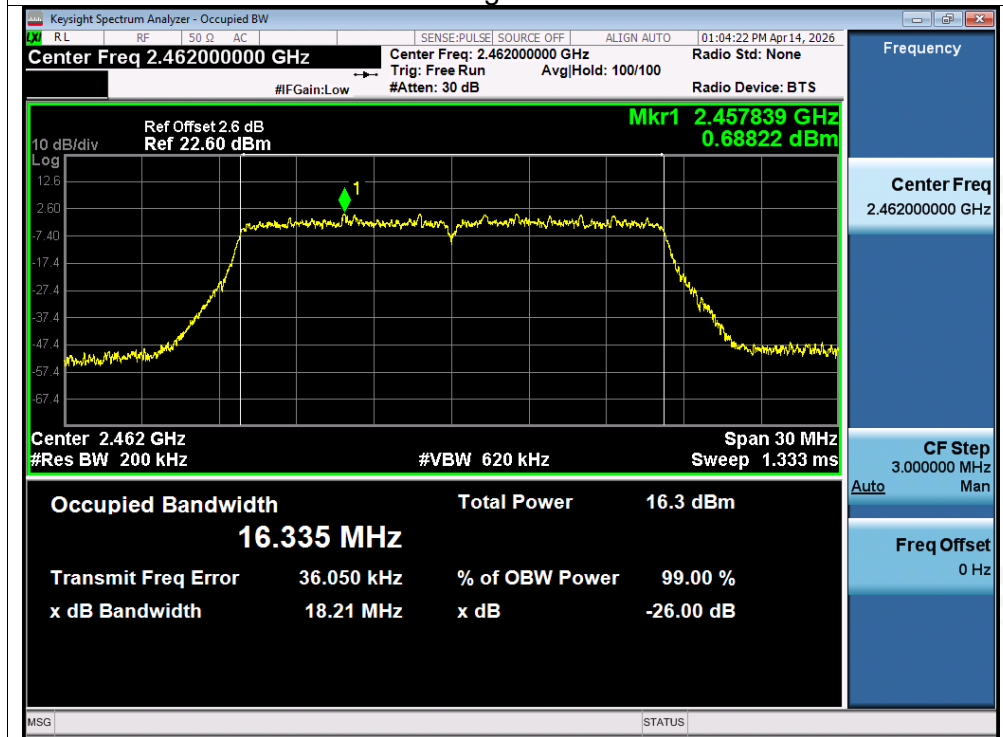




OBW NVNT g 2437MHz AntB

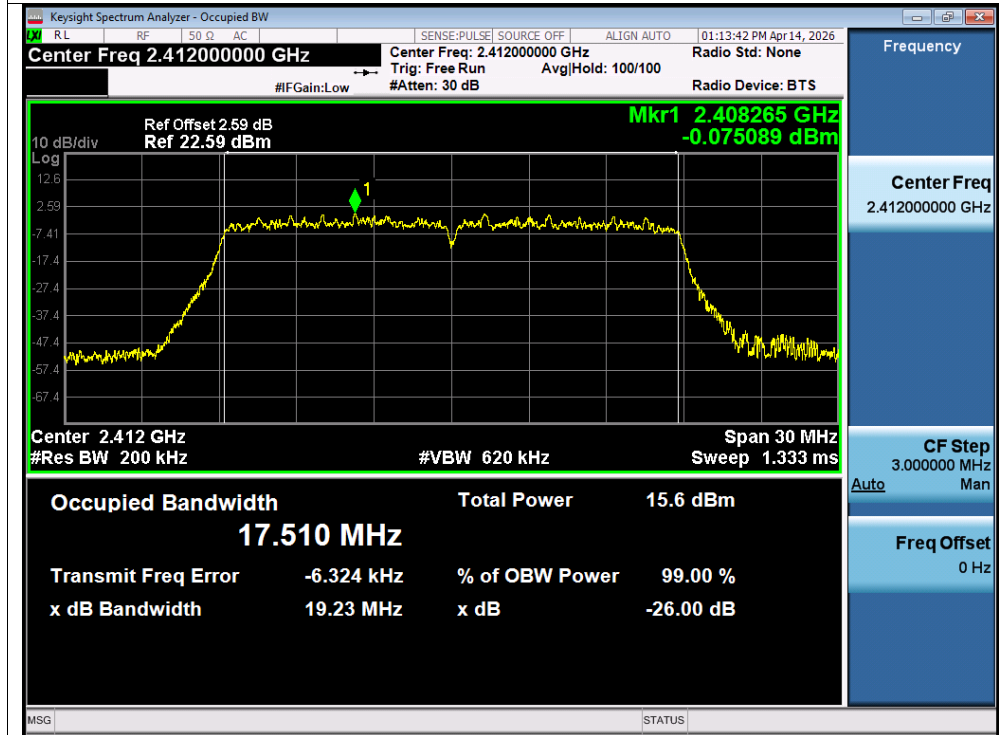


OBW NVNT g 2462MHz AntB

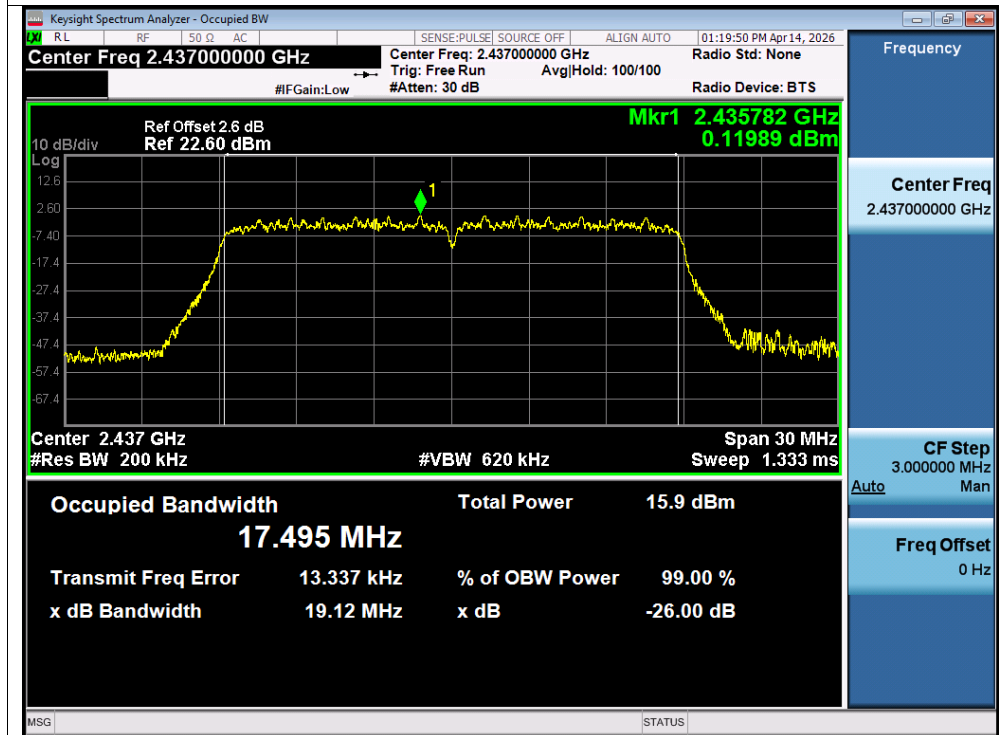




OBW NVNT n20 2412MHz AntB

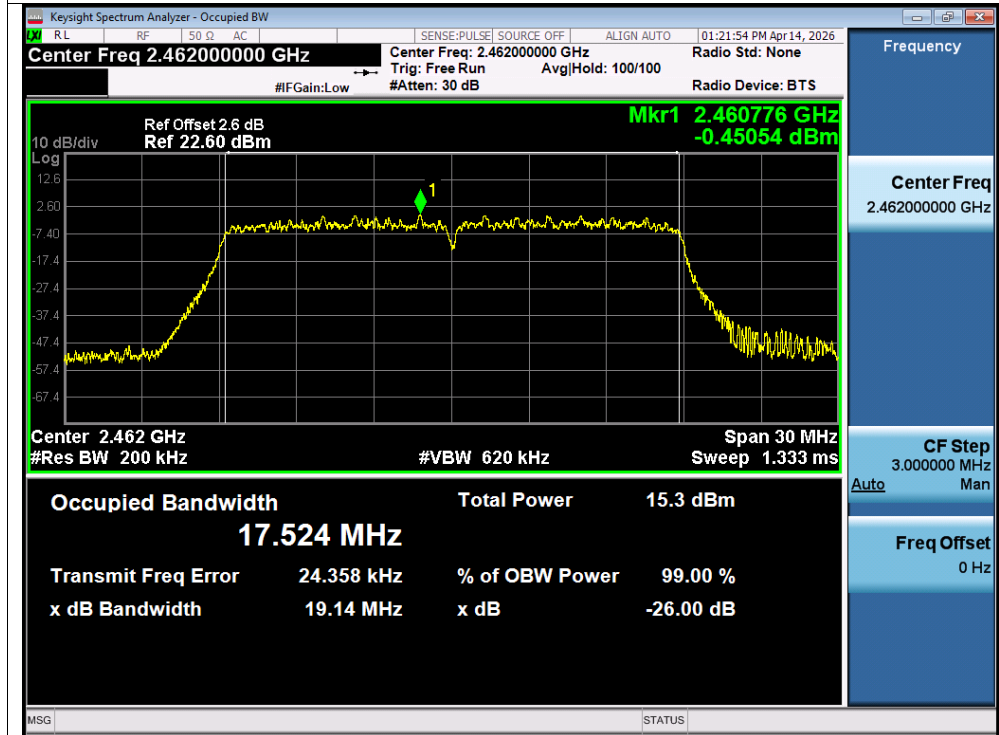


OBW NVNT n20 2437MHz AntB

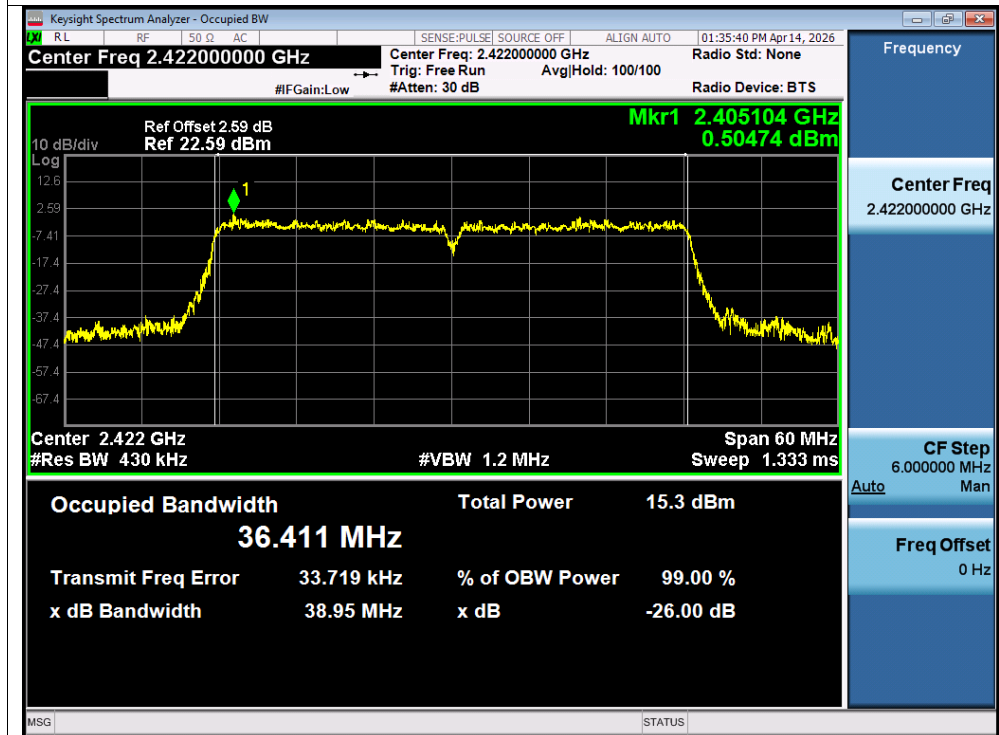




OBW NVNT n20 2462MHz AntB

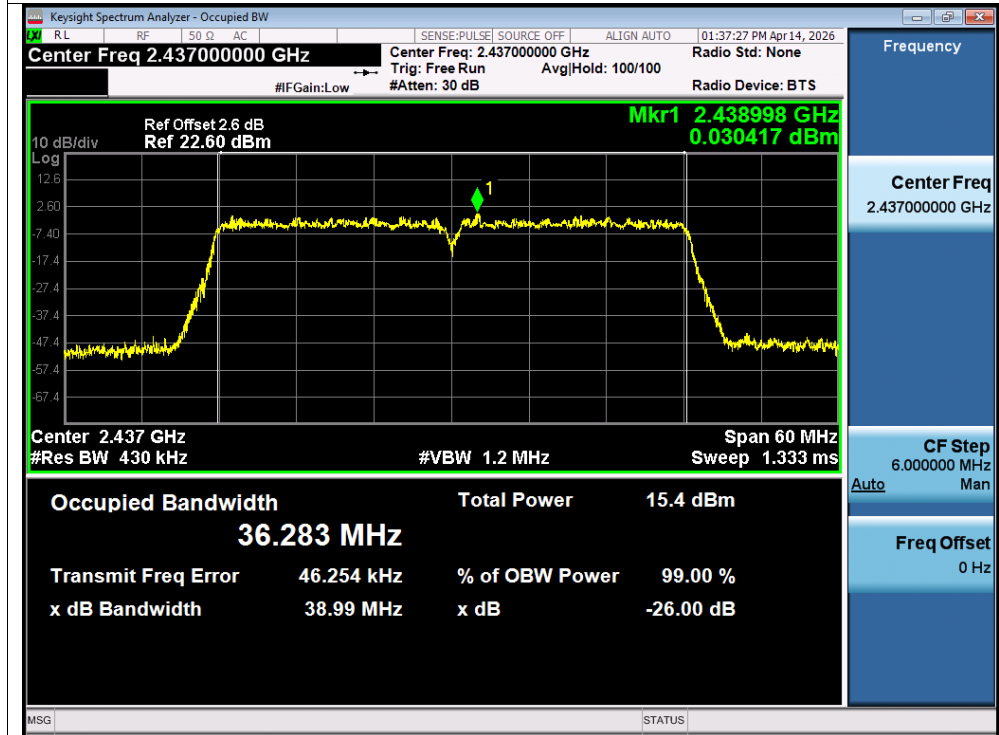


OBW NVNT n40 2422MHz AntB

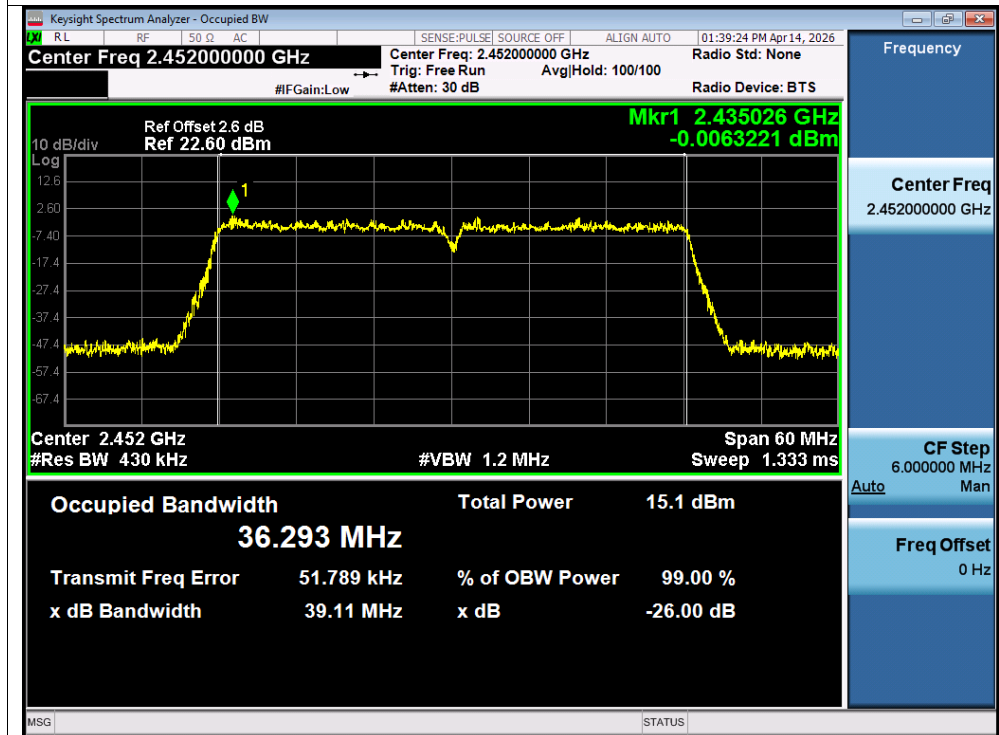




OBW NVNT n40 2437MHz AntB

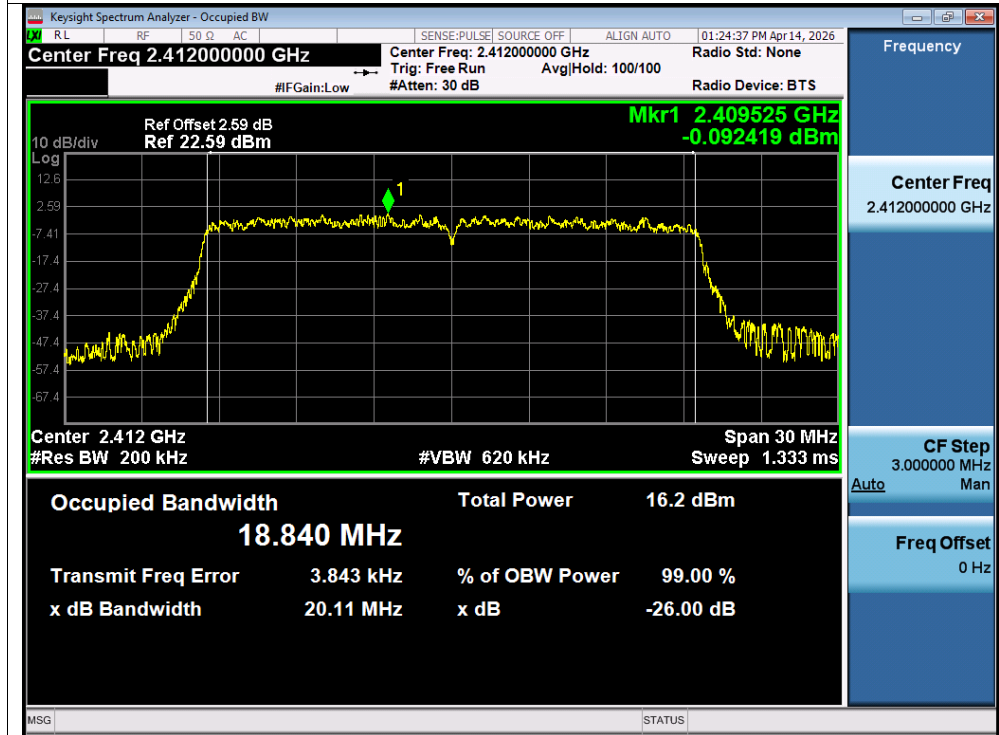


OBW NVNT n40 2452MHz AntB

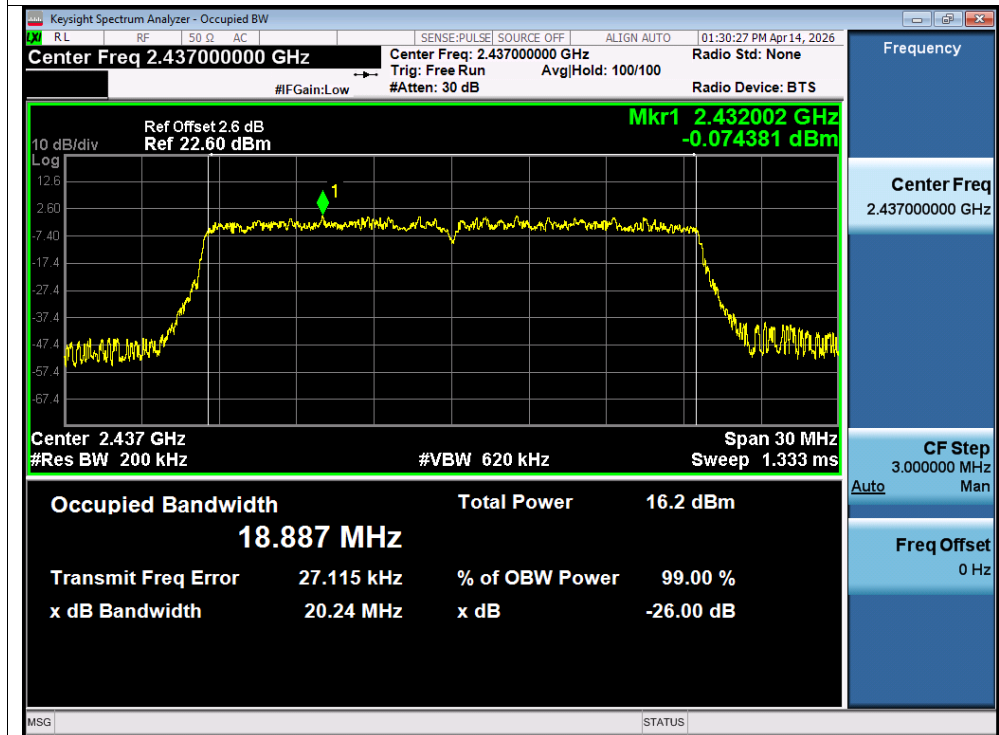




OBW NVNT ax20 2412MHz AntB

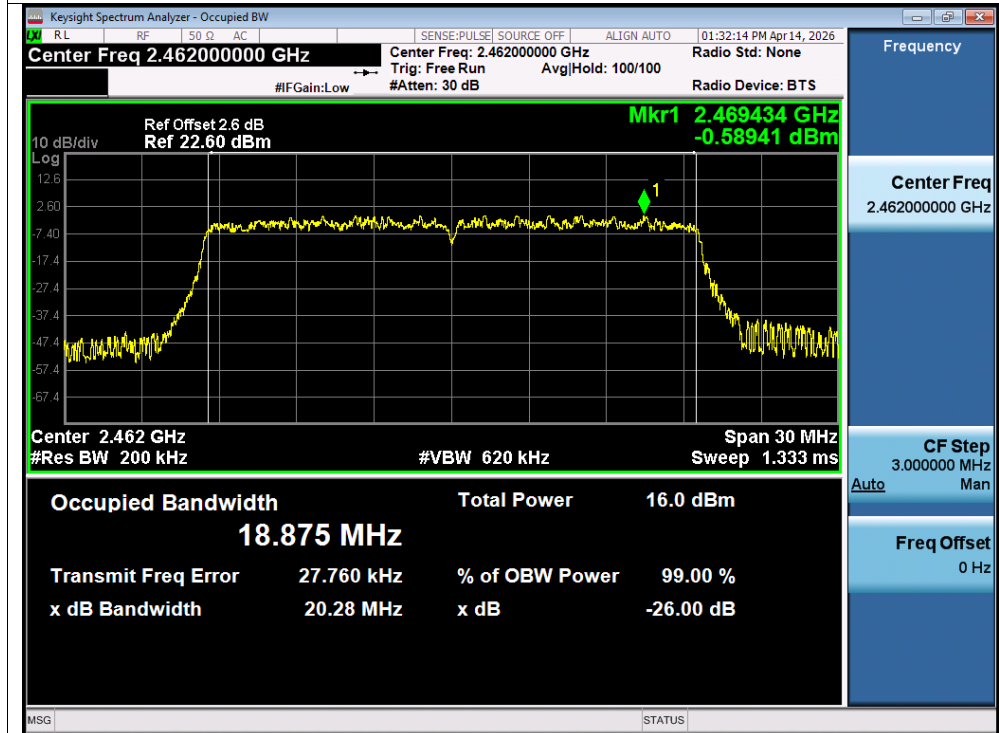


OBW NVNT ax20 2437MHz AntB

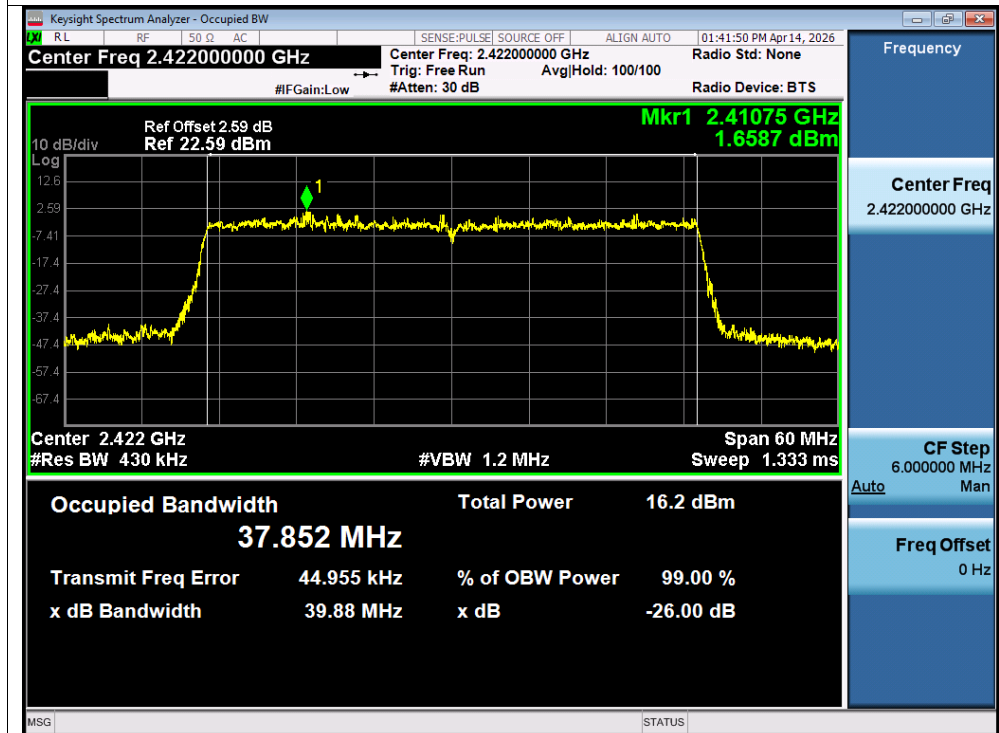




OBW NVNT ax20 2462MHz AntB

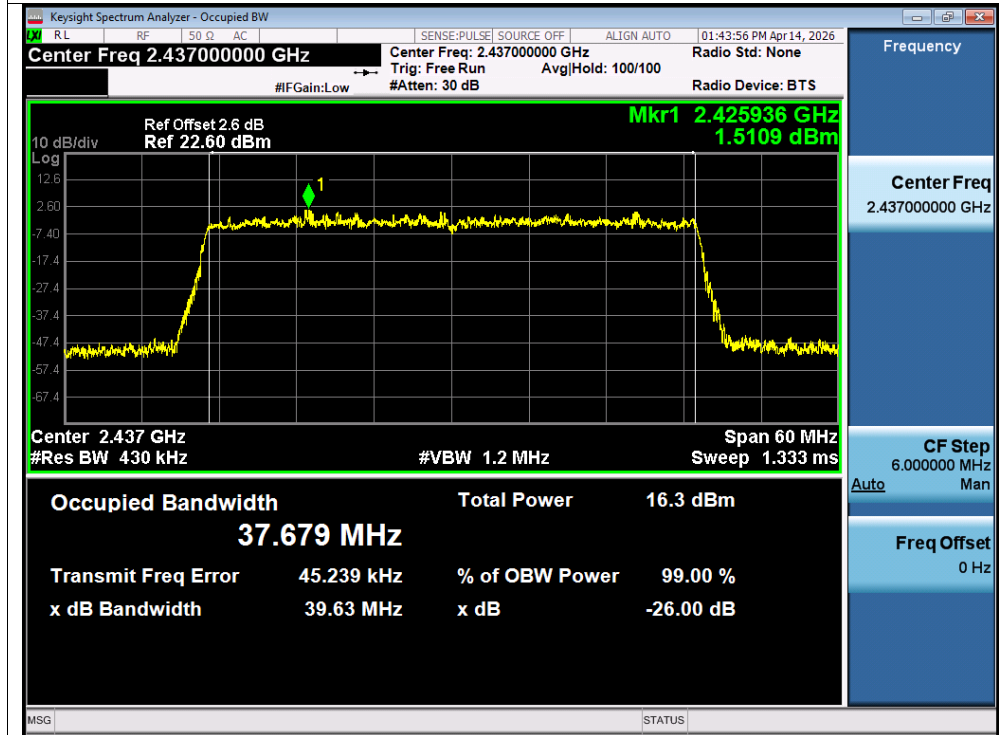


OBW NVNT ax40 2422MHz AntB

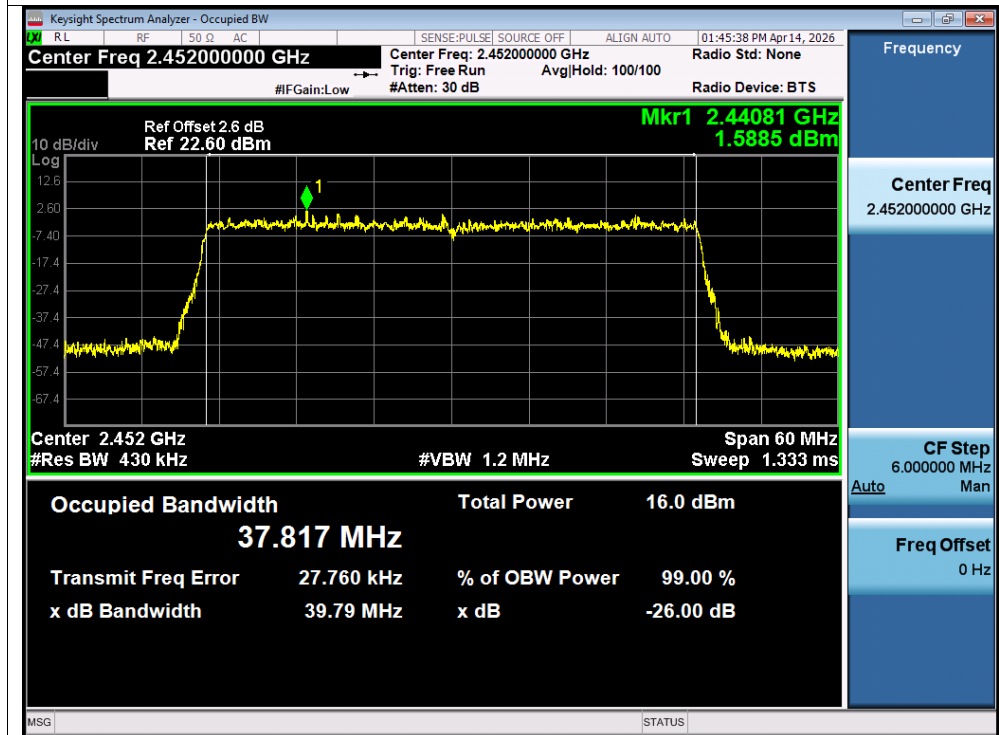




OBW NVNT ax40 2437MHz AntB



OBW NVNT ax40 2452MHz AntB





Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	AntB	-11.69	8	Pass
NVNT	b	2437	AntB	-11.83	8	Pass
NVNT	b	2462	AntB	-12.1	8	Pass
NVNT	g	2412	AntB	-16.14	8	Pass
NVNT	g	2437	AntB	-16.05	8	Pass
NVNT	g	2462	AntB	-16.37	8	Pass
NVNT	n20	2412	AntB	-16.41	8	Pass
NVNT	n20	2437	AntB	-16.31	8	Pass
NVNT	n20	2462	AntB	-16.7	8	Pass
NVNT	n40	2422	AntB	-20.43	8	Pass
NVNT	n40	2437	AntB	-20.19	8	Pass
NVNT	n40	2452	AntB	-20.55	8	Pass
NVNT	ax20	2412	AntB	-15.72	8	Pass
NVNT	ax20	2437	AntB	-15.79	8	Pass
NVNT	ax20	2462	AntB	-16.39	8	Pass
NVNT	ax40	2422	AntB	-19.73	8	Pass
NVNT	ax40	2437	AntB	-19.88	8	Pass
NVNT	ax40	2452	AntB	-19.91	8	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)				Verdict
			ANT A	ANT B	Total	Limit	
NVNT	b	2412	-12.09	-11.69	/	8	Pass
NVNT	b	2437	-12.18	-11.83	/	8	Pass
NVNT	b	2462	-12.35	-12.1	/	8	Pass
NVNT	g	2412	-16.57	-16.14	/	8	Pass
NVNT	g	2437	-16.54	-16.05	/	8	Pass
NVNT	g	2462	-16.76	-16.37	/	8	Pass
NVNT	n20	2412	-16.81	-16.41	-13.6	8	Pass
NVNT	n20	2437	-16.94	-16.31	-13.6	8	Pass
NVNT	n20	2462	-17.16	-16.7	-13.91	8	Pass
NVNT	n40	2422	-20.89	-20.43	-17.64	8	Pass
NVNT	n40	2437	-20.94	-20.19	-17.54	8	Pass
NVNT	n40	2452	-21.01	-20.55	-17.76	8	Pass
NVNT	ax20	2412	-16.29	-15.72	-12.99	8	Pass
NVNT	ax20	2437	-16.53	-15.79	-13.13	8	Pass
NVNT	ax20	2462	-16.85	-16.39	-13.6	8	Pass
NVNT	ax40	2422	-20.01	-19.73	-16.86	8	Pass
NVNT	ax40	2437	-20.64	-19.88	-17.23	8	Pass
NVNT	ax40	2452	-20.3	-19.91	-17.09	8	Pass

Antenna gain:2.1 dBi

Directional gain = GANT + 10 log(NANT) dBi=2.1+10log(2)=5.11dBi

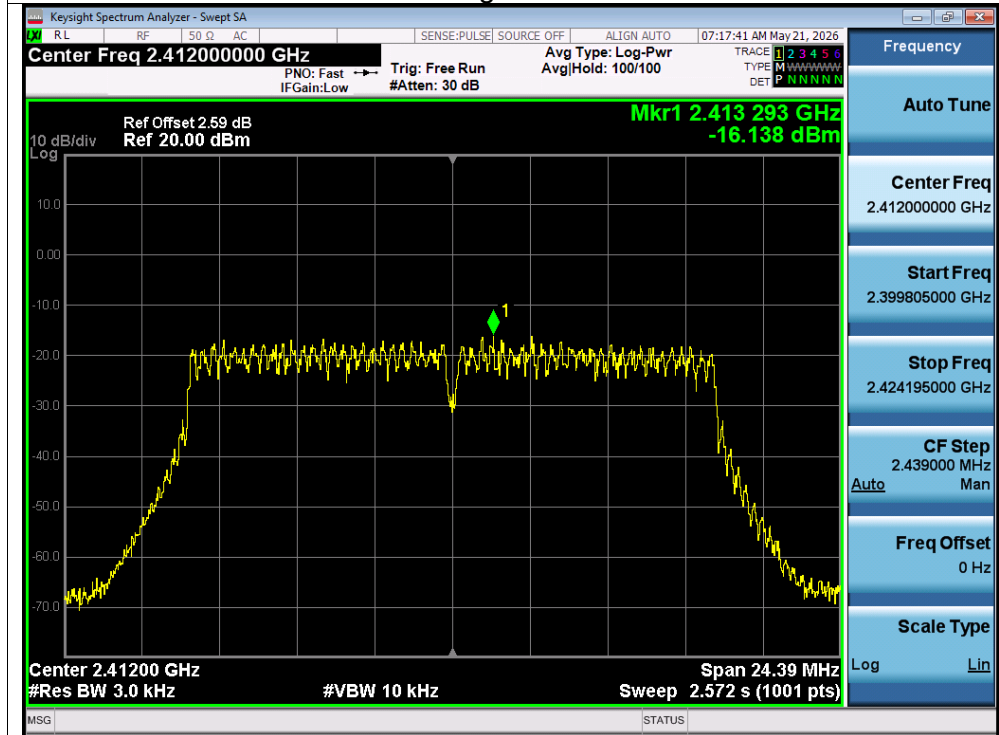




PSD NVNT b 2462MHz AntB

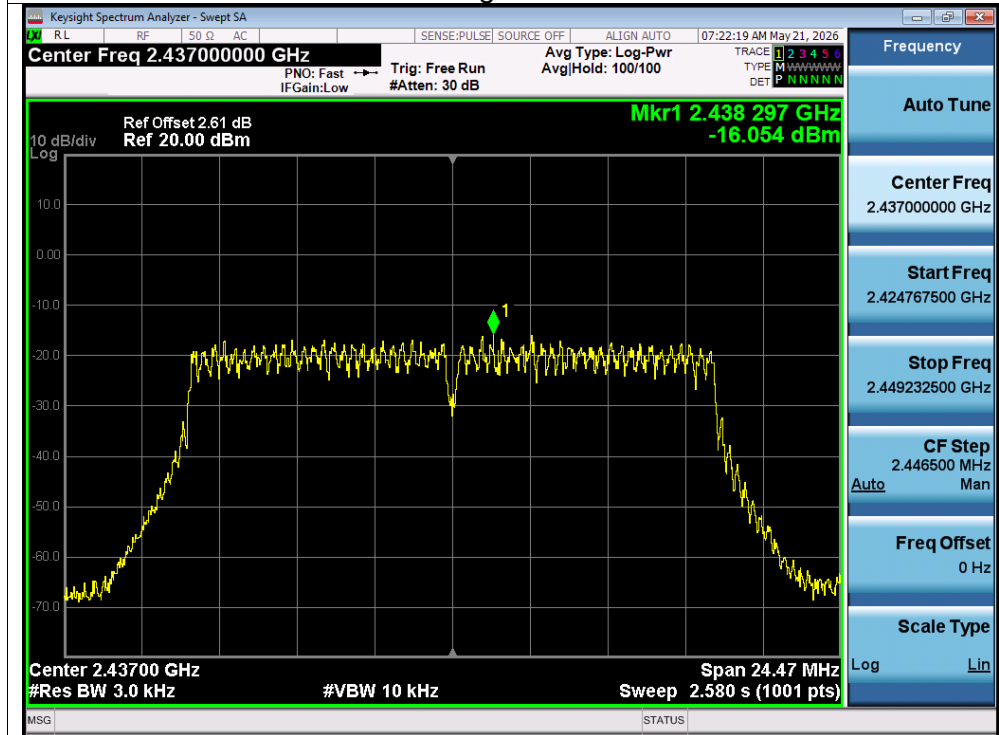


PSD NVNT g 2412MHz AntB

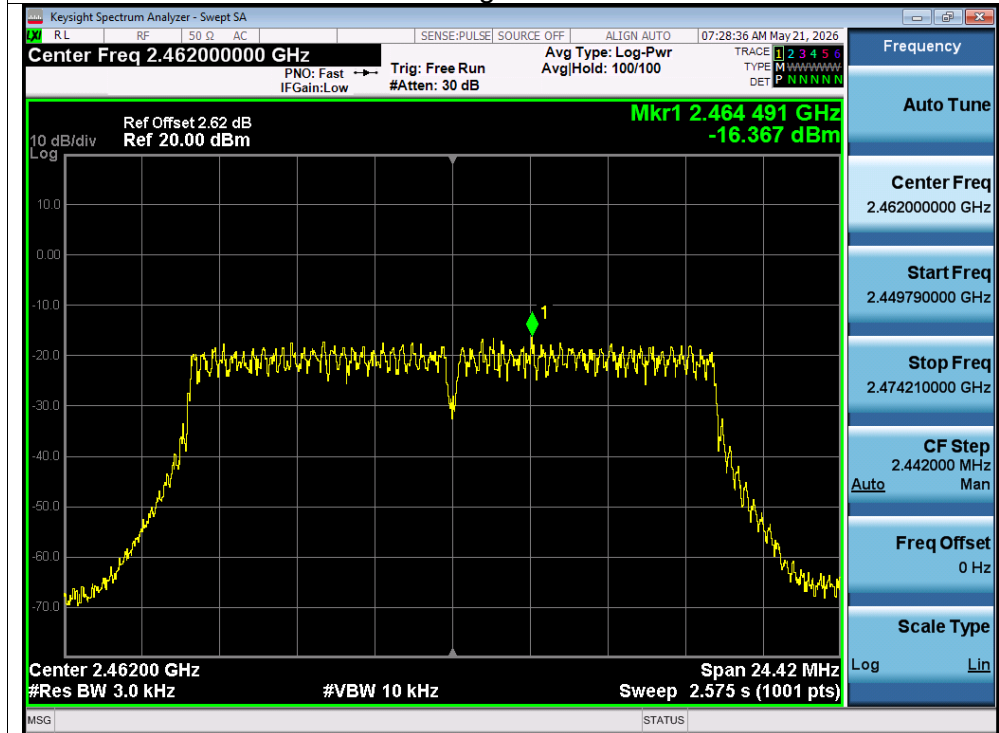




PSD NVNT g 2437MHz AntB

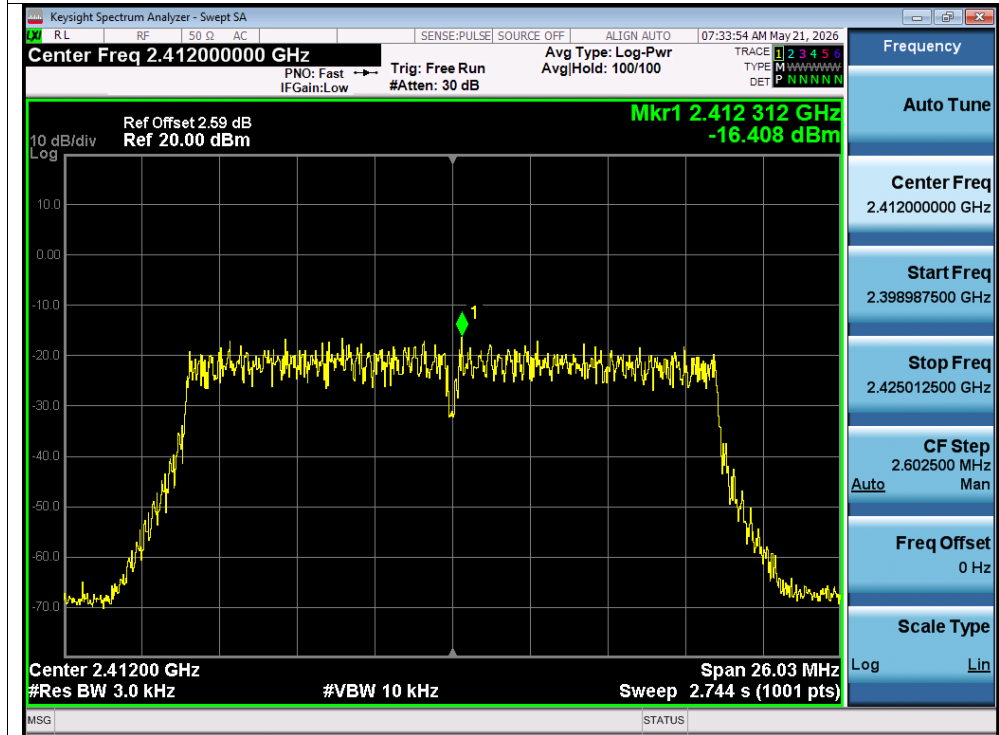


PSD NVNT g 2462MHz AntB

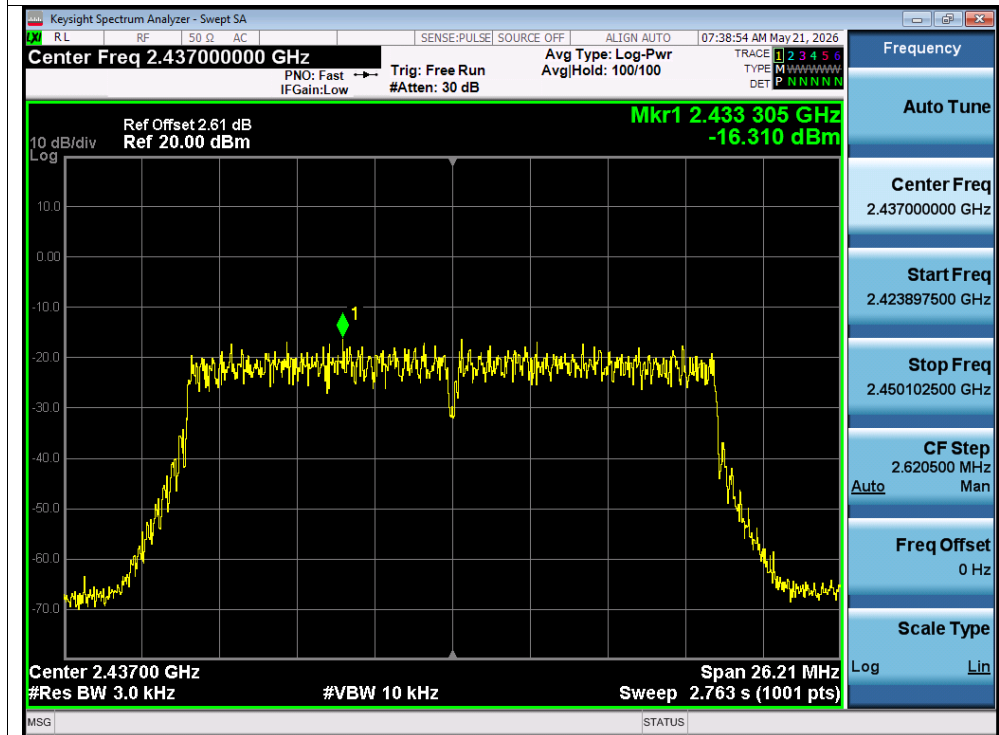




PSD NVNT n20 2412MHz AntB

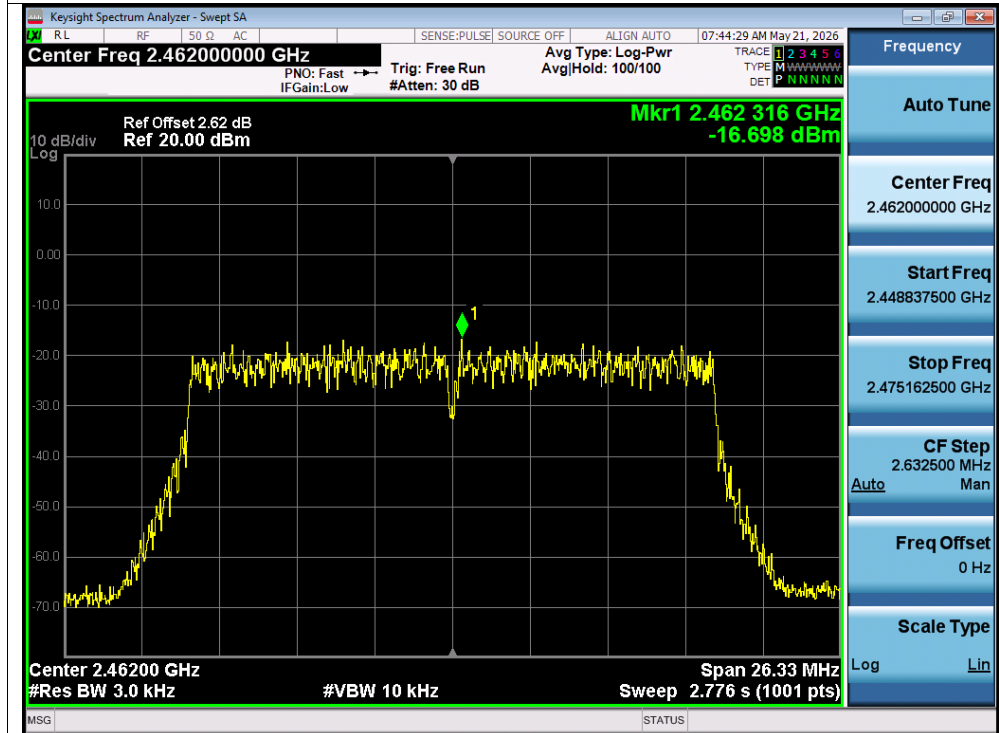


PSD NVNT n20 2437MHz AntB

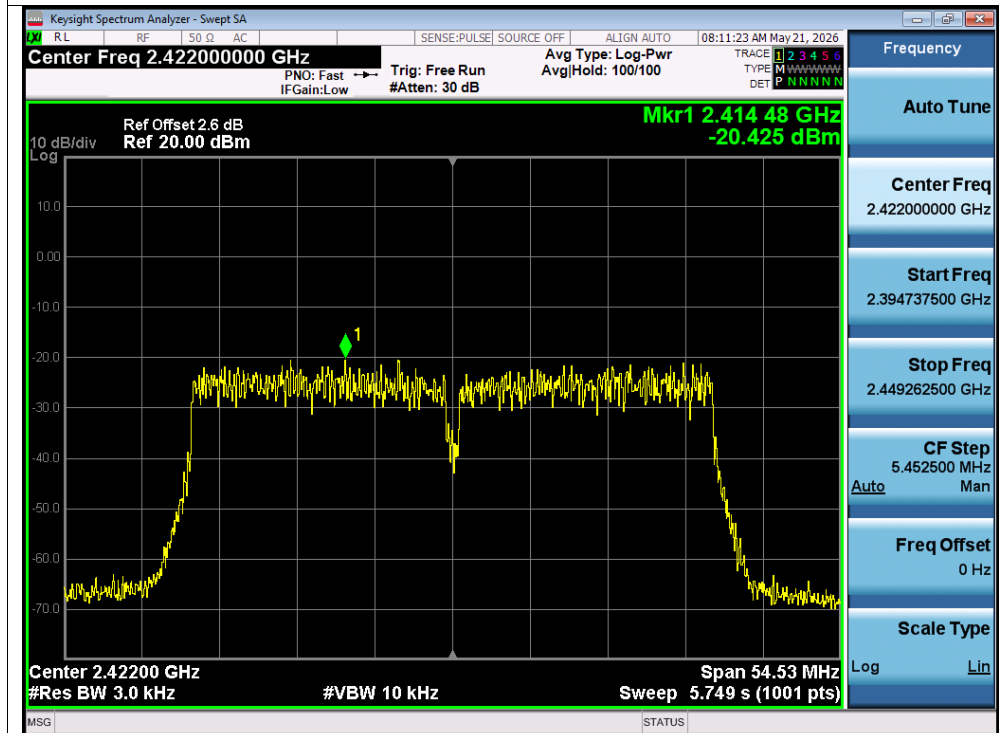




PSD NVNT n20 2462MHz AntB

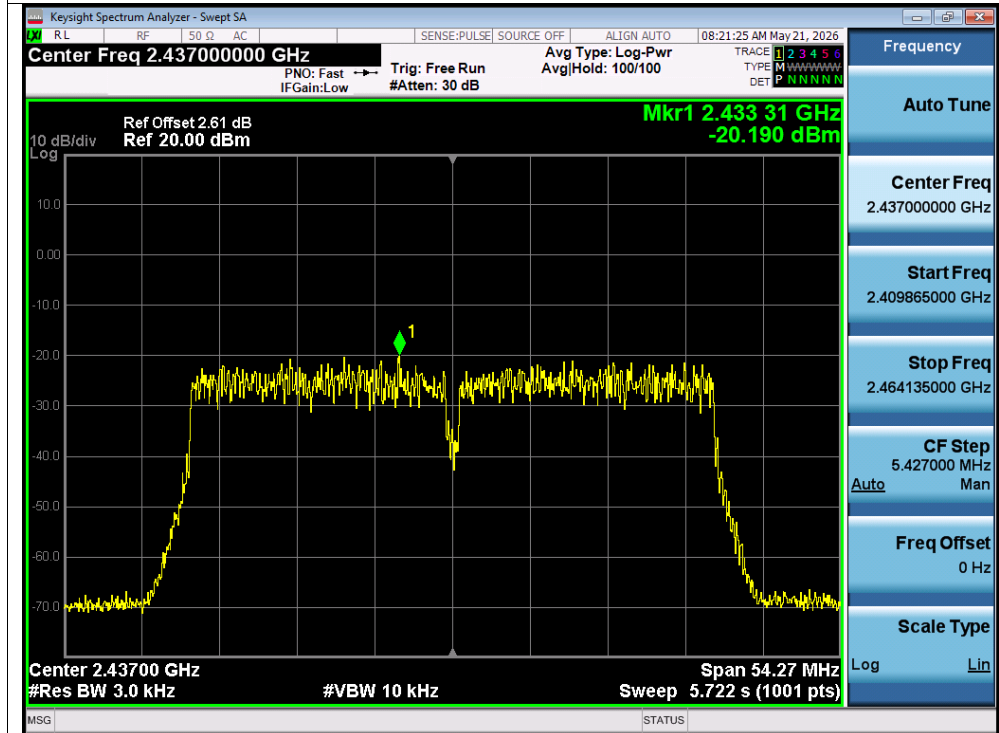


PSD NVNT n40 2422MHz AntB

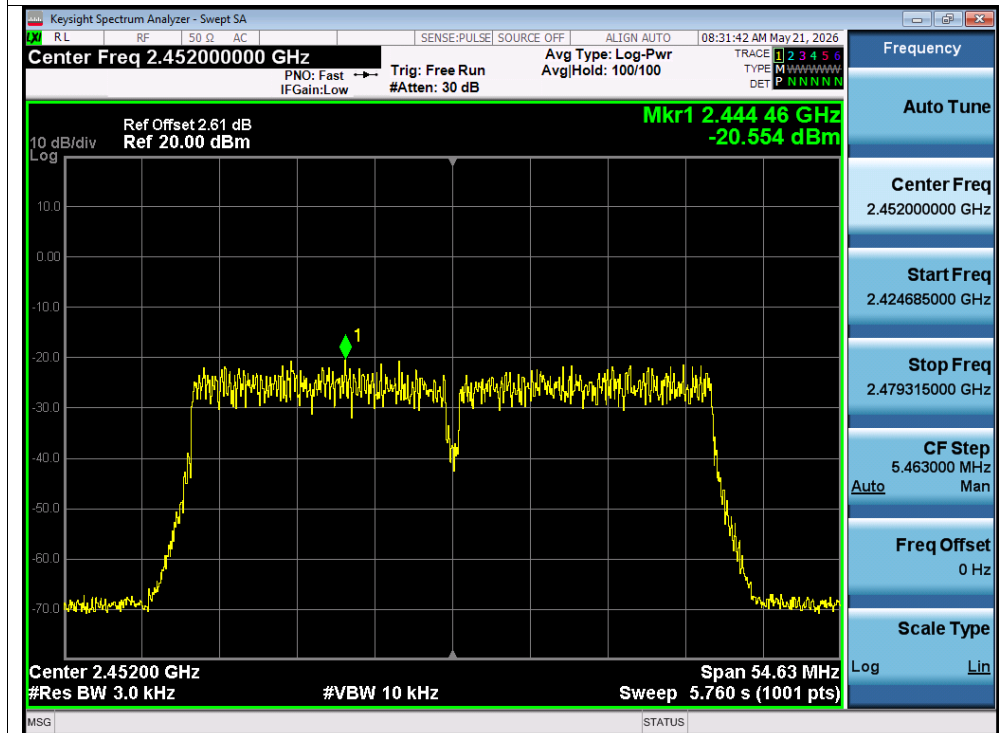




PSD NVNT n40 2437MHz AntB

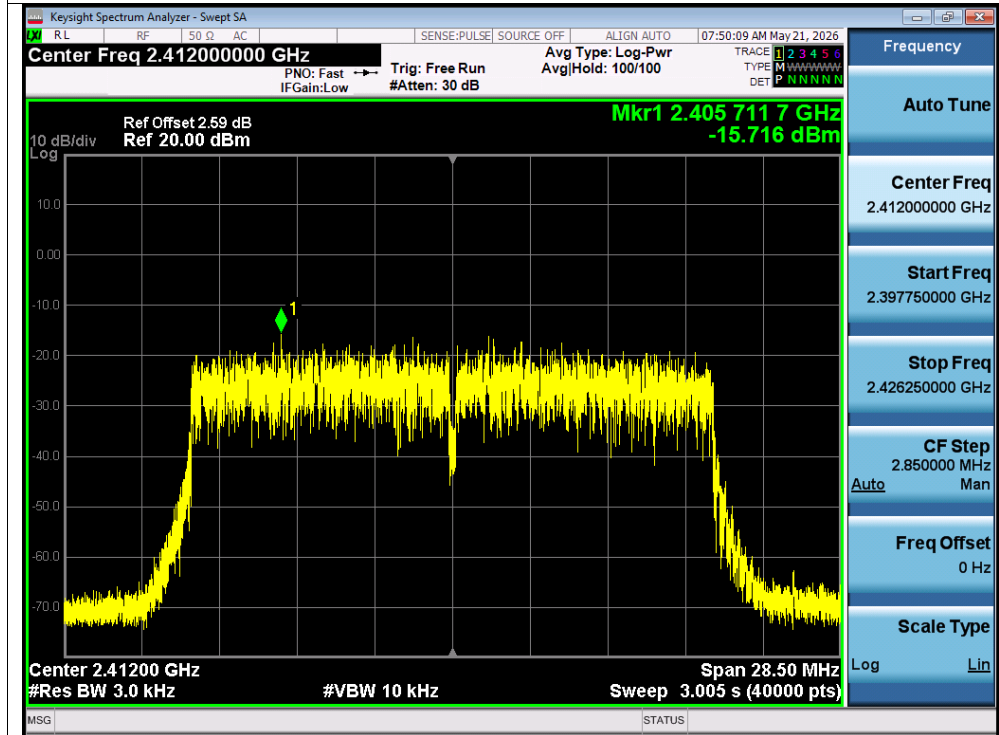


PSD NVNT n40 2452MHz AntB

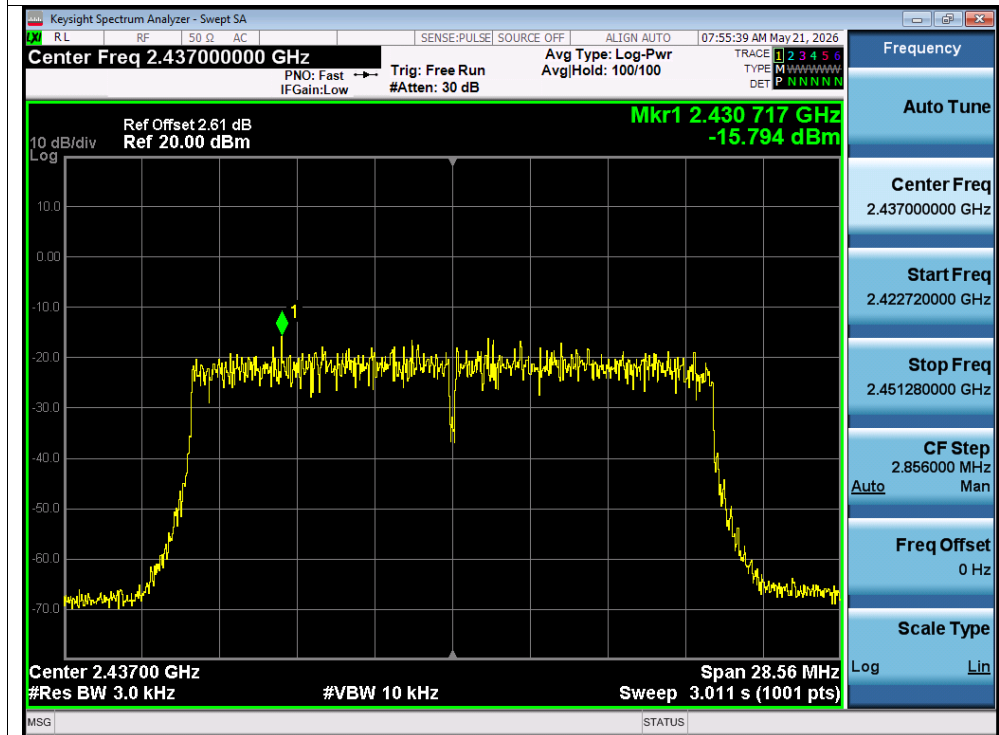




PSD NVNT ax20 2412MHz AntB

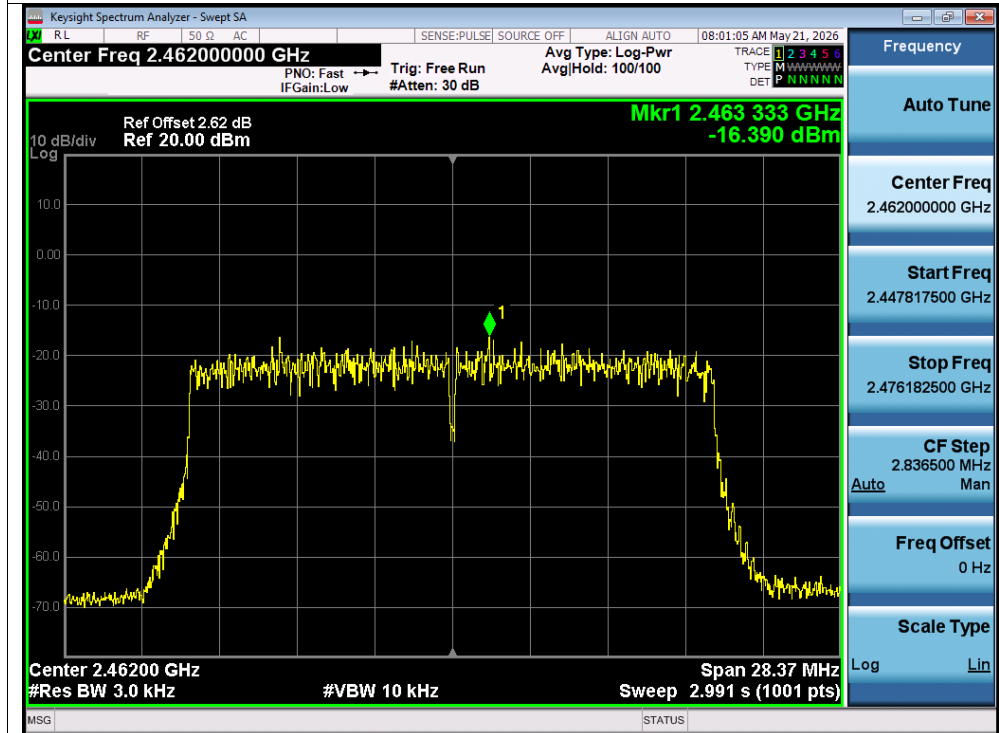


PSD NVNT ax20 2437MHz AntB

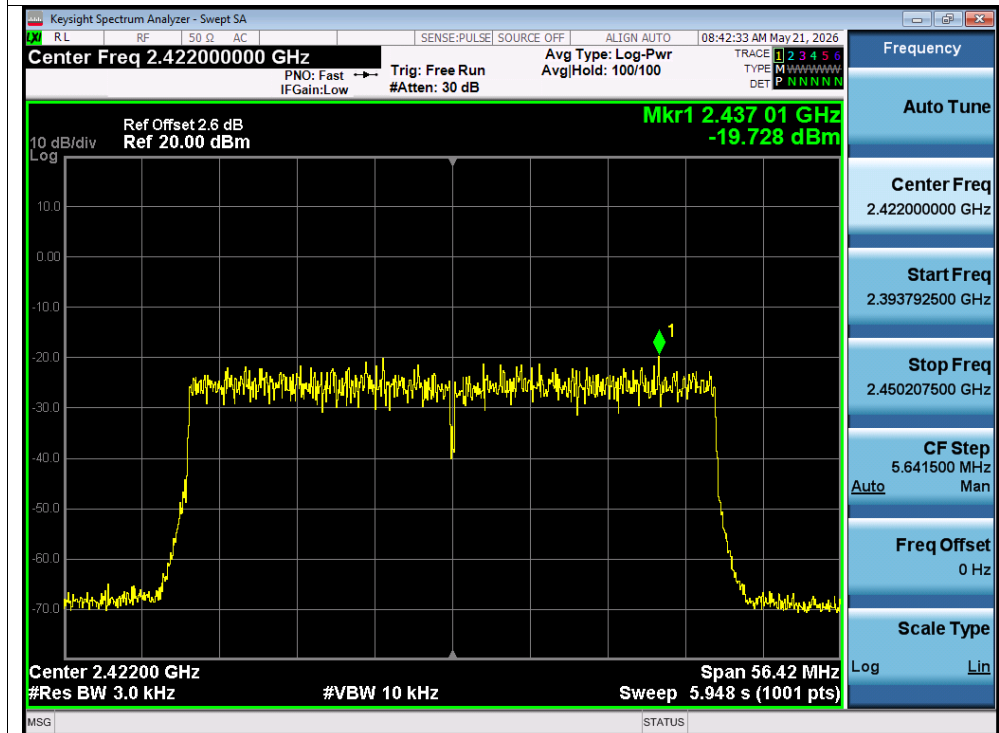




PSD NVNT ax20 2462MHz AntB

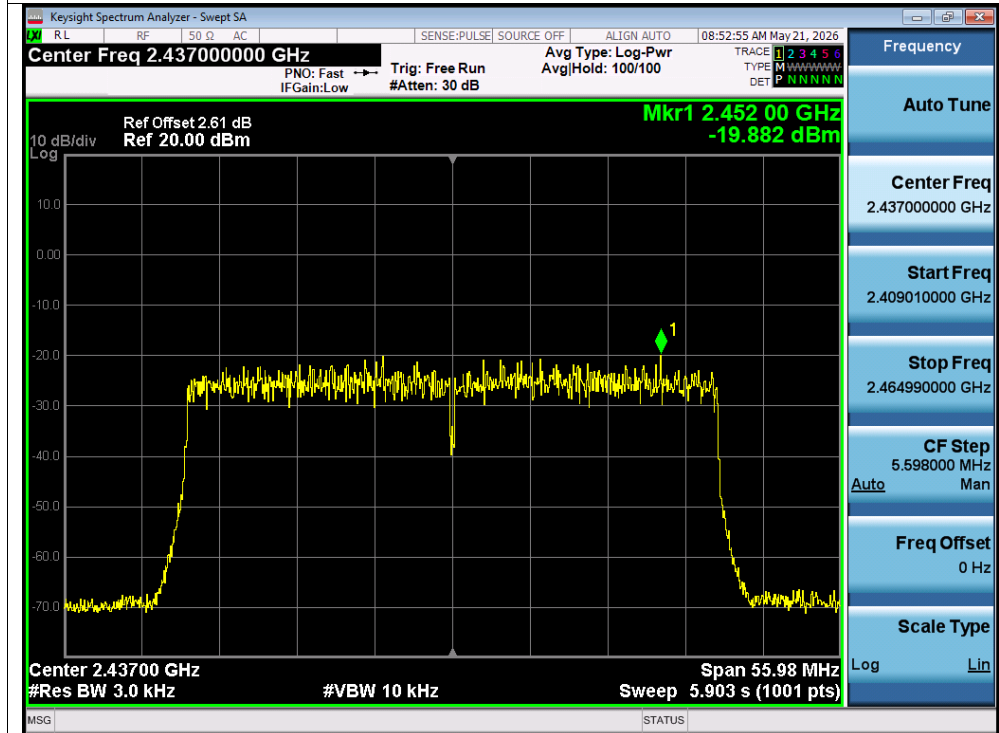


PSD NVNT ax40 2422MHz AntB

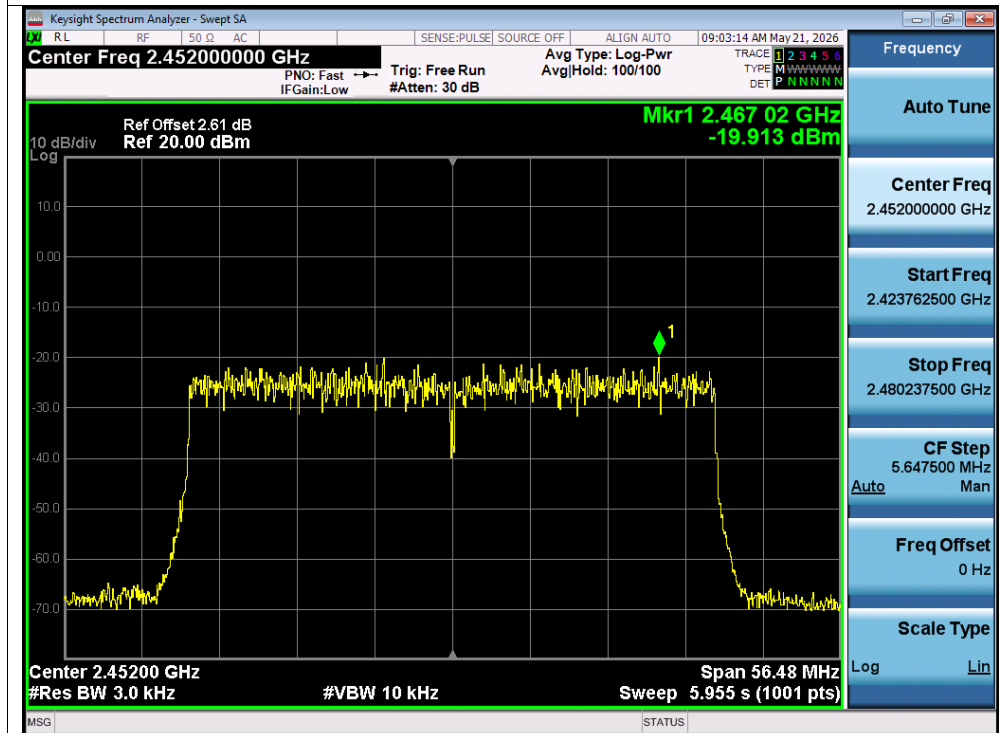




PSD NVNT ax40 2437MHz AntB



PSD NVNT ax40 2452MHz AntB





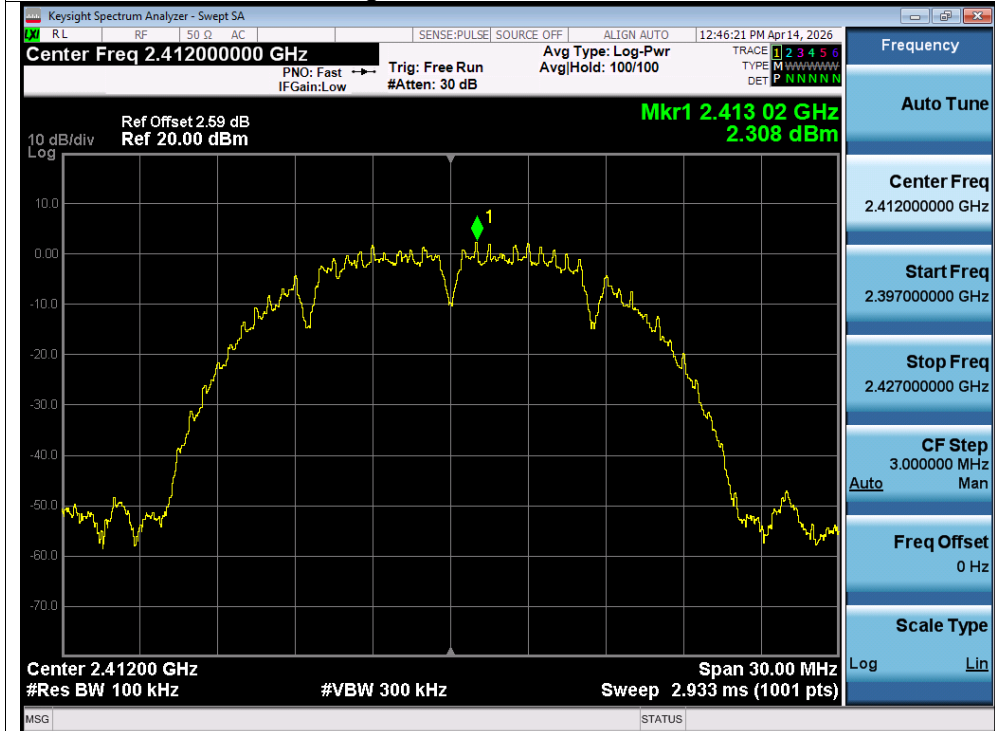
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	AntB	-50.66	-20	Pass
		2462		-55.32	-20	Pass
	g	2412		-51.89	-20	Pass
		2462		-52.97	-20	Pass
	n20	2412		-51.18	-20	Pass
		2462		-52.37	-20	Pass
	n40	2422		-39.05	-20	Pass
		2452		-46.43	-20	Pass
	ax20	2412		-47.3	-20	Pass
		2462		-50.93	-20	Pass
	ax40	2422		-40.96	-20	Pass
		2452		-46.46	-20	Pass

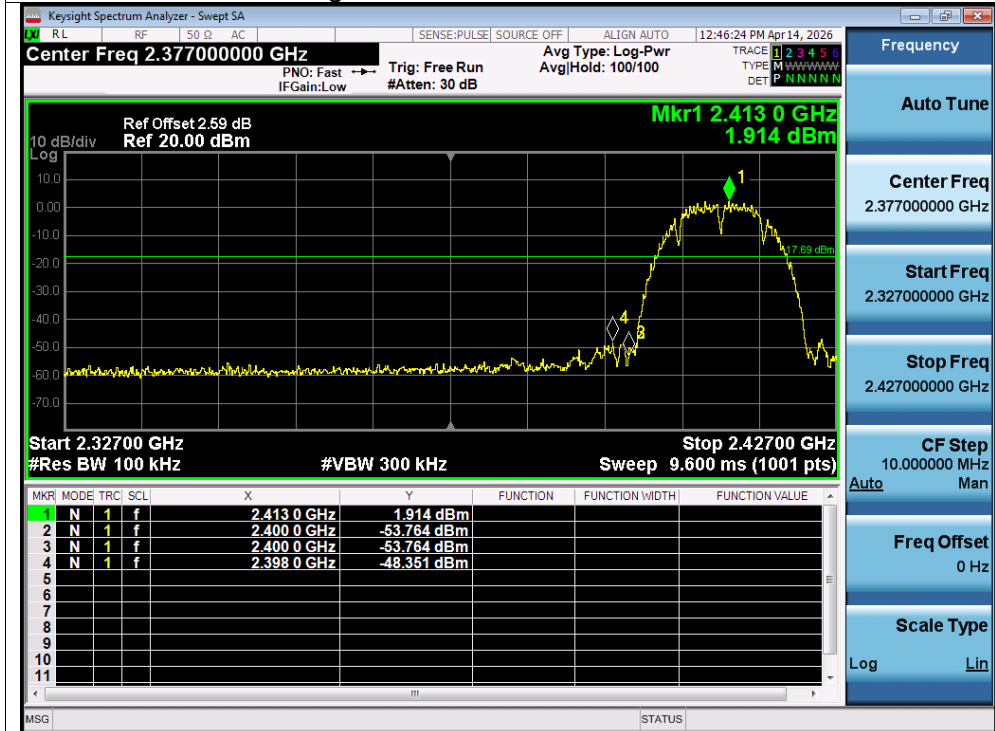


Test Graphs

Band Edge NVNT b 2412MHz AntB Ref



Band Edge NVNT b 2412MHz AntB Emission

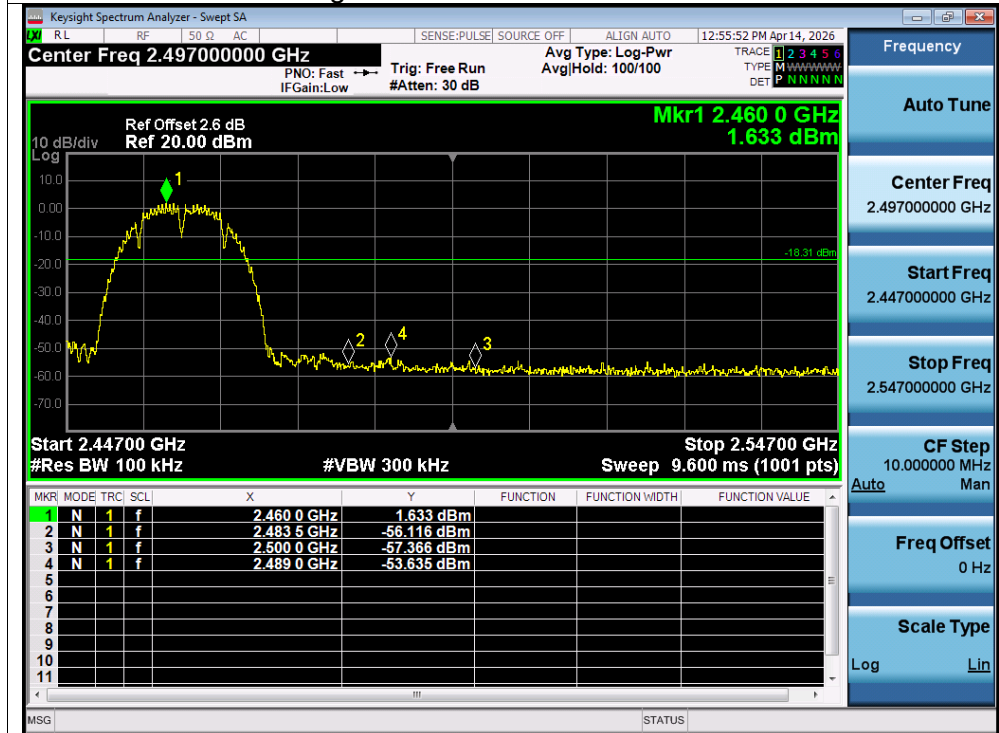




Band Edge NVNT b 2462MHz AntB Ref

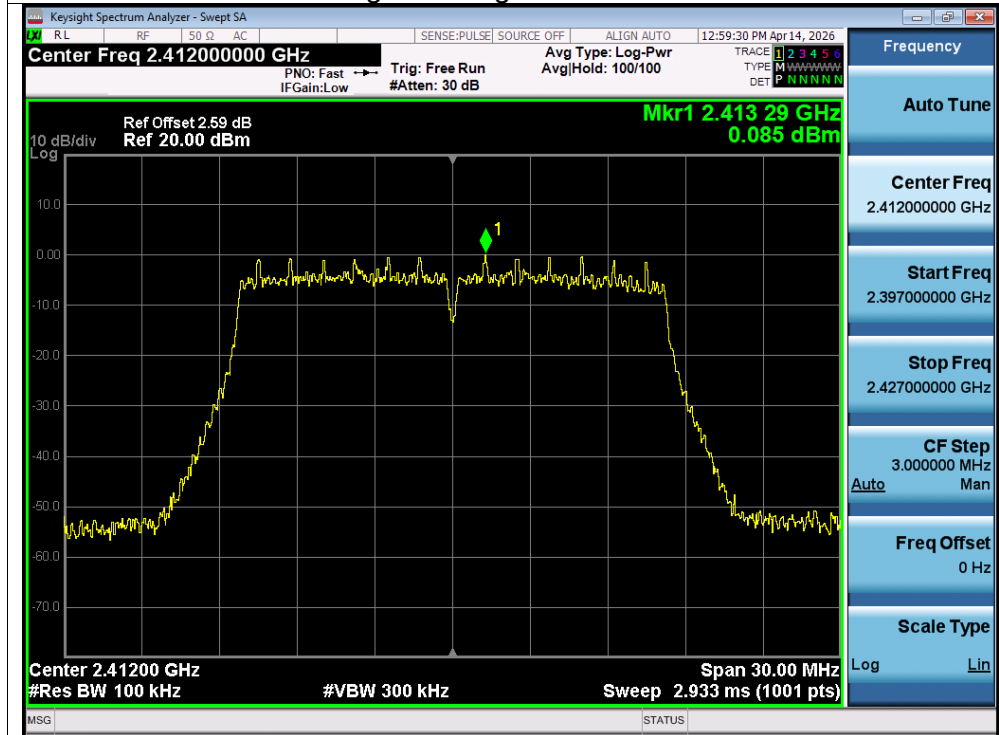


Band Edge NVNT b 2462MHz AntB Emission

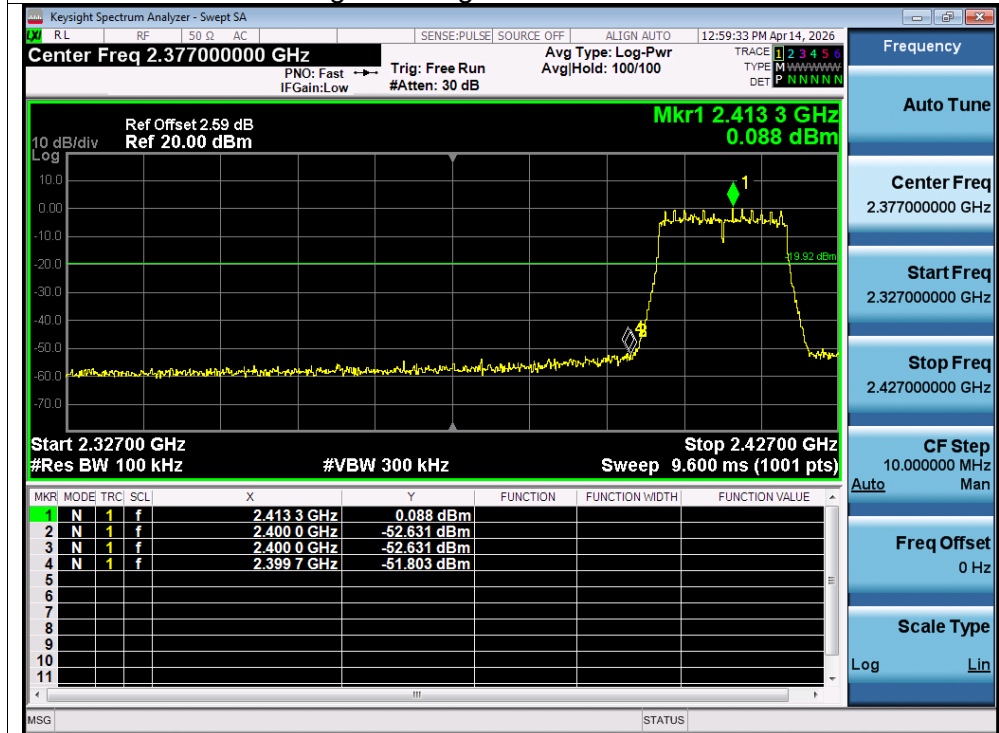




Band Edge NVNT g 2412MHz AntB Ref

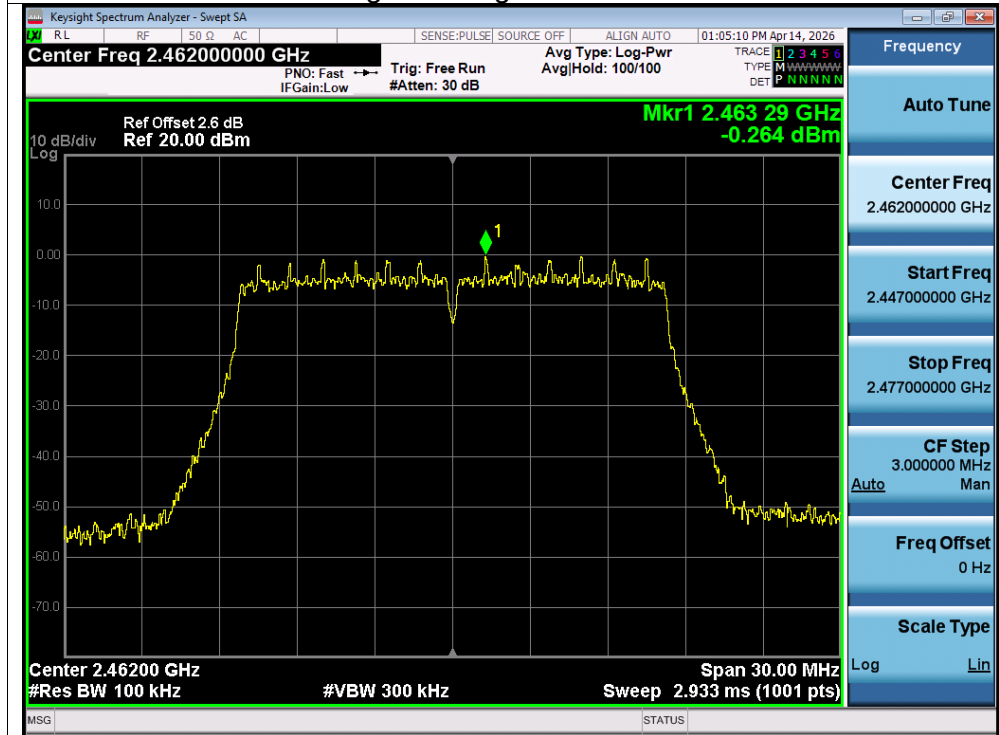


Band Edge NVNT g 2412MHz AntB Emission

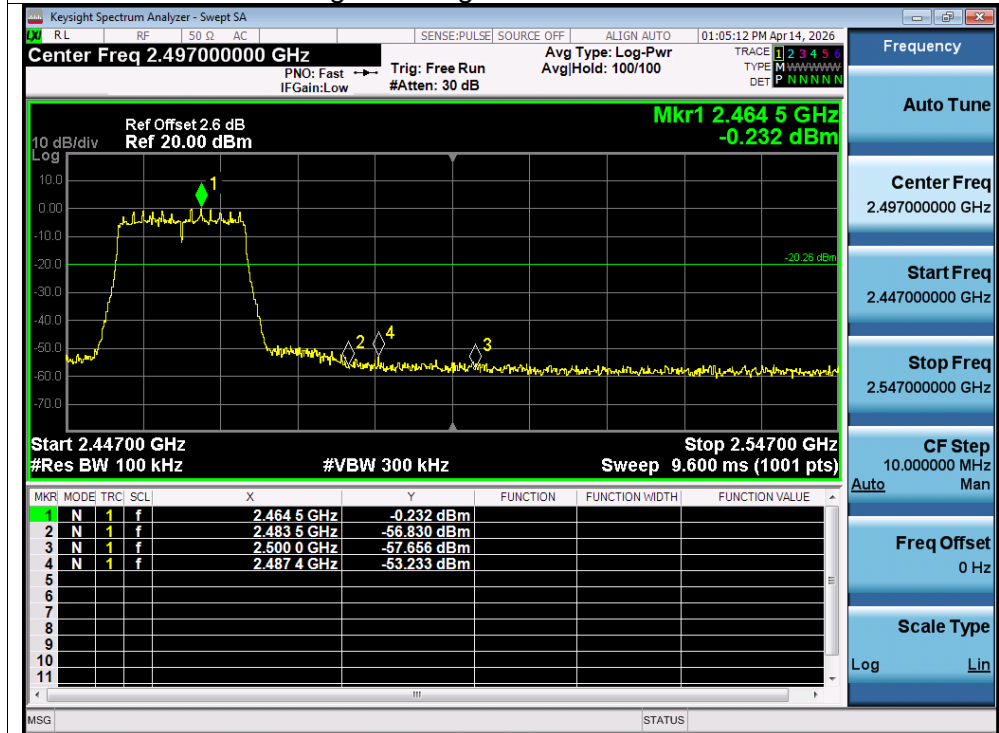


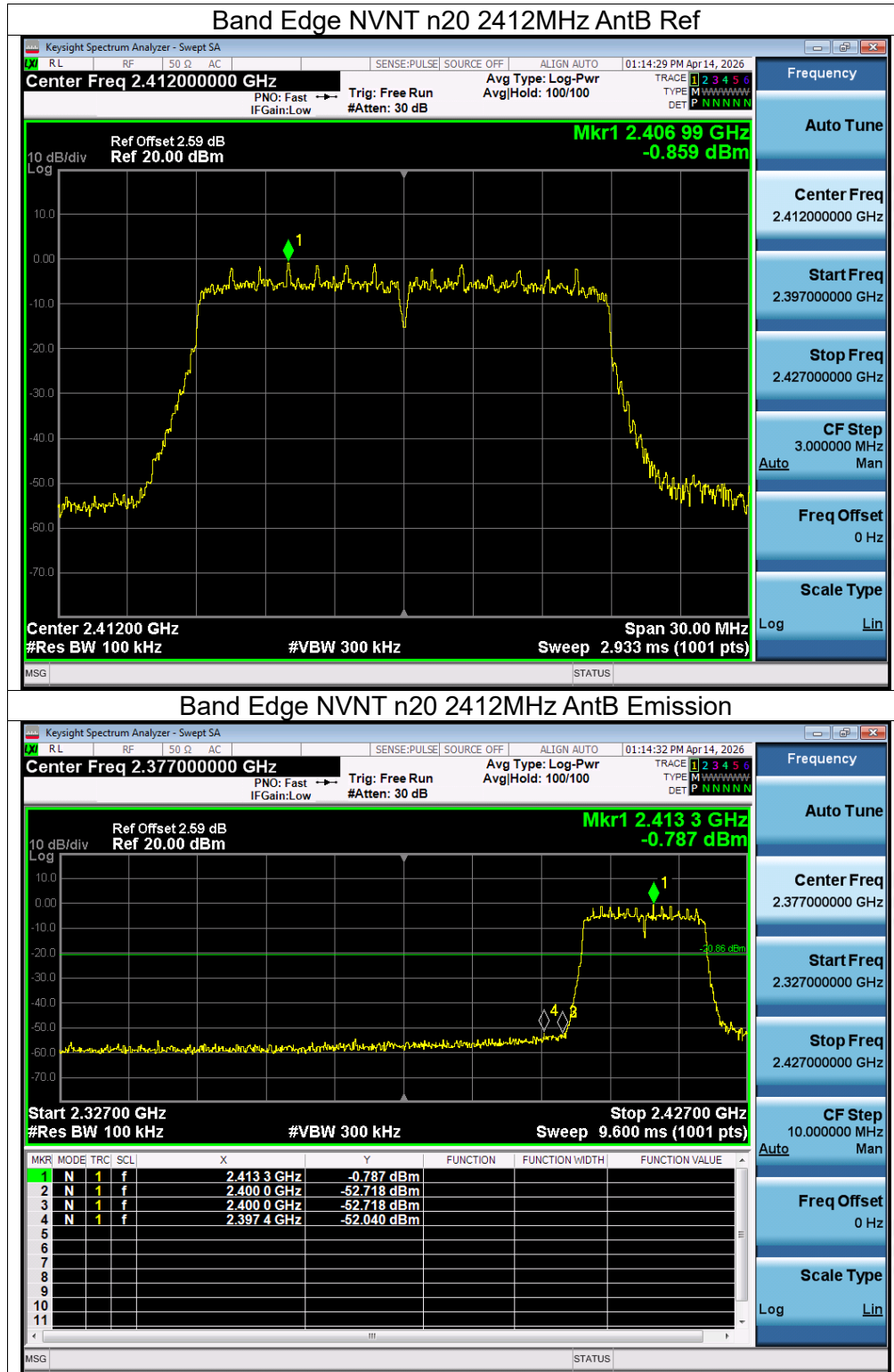


Band Edge NVNT g 2462MHz AntB Ref



Band Edge NVNT g 2462MHz AntB Emission



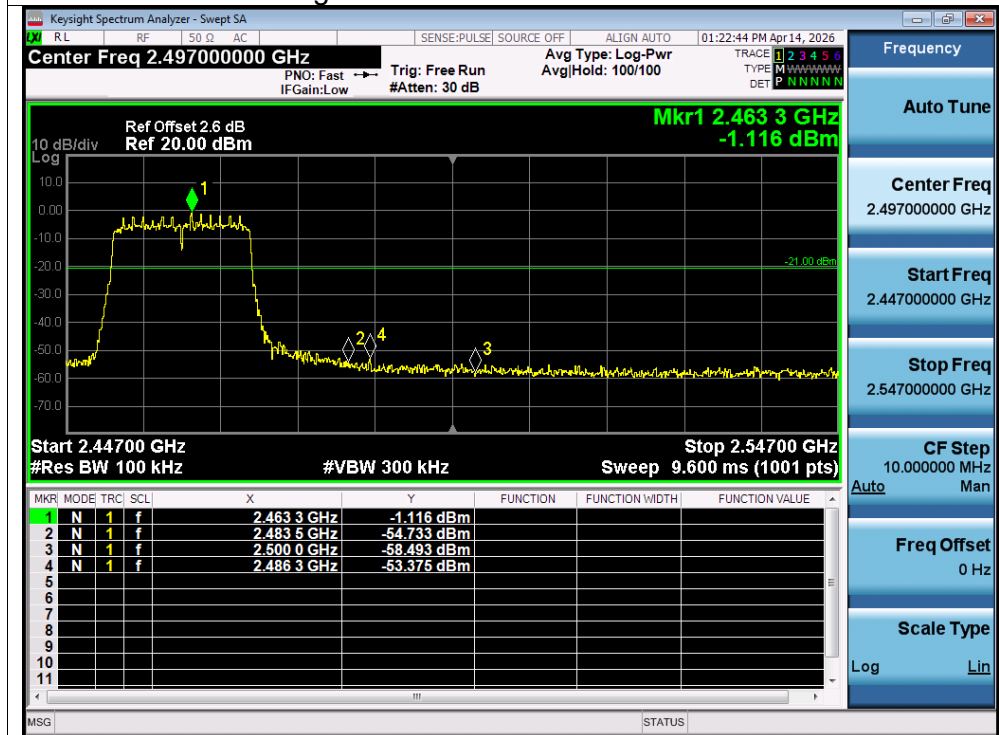




Band Edge NVNT n20 2462MHz AntB Ref

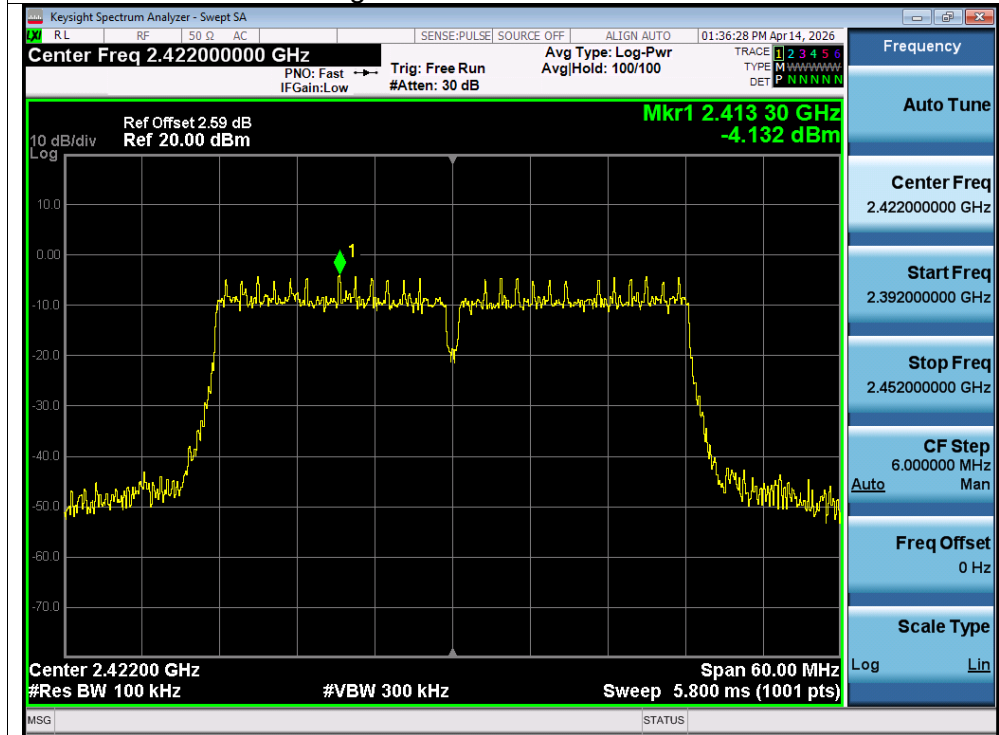


Band Edge NVNT n20 2462MHz AntB Emission

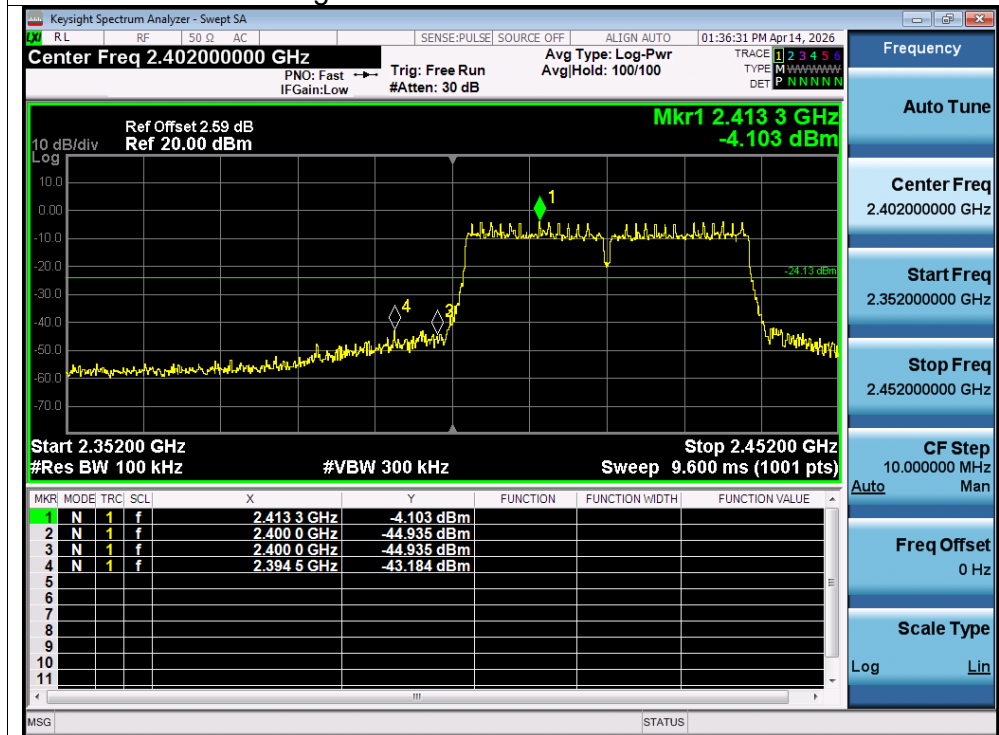




Band Edge NVNT n40 2422MHz AntB Ref

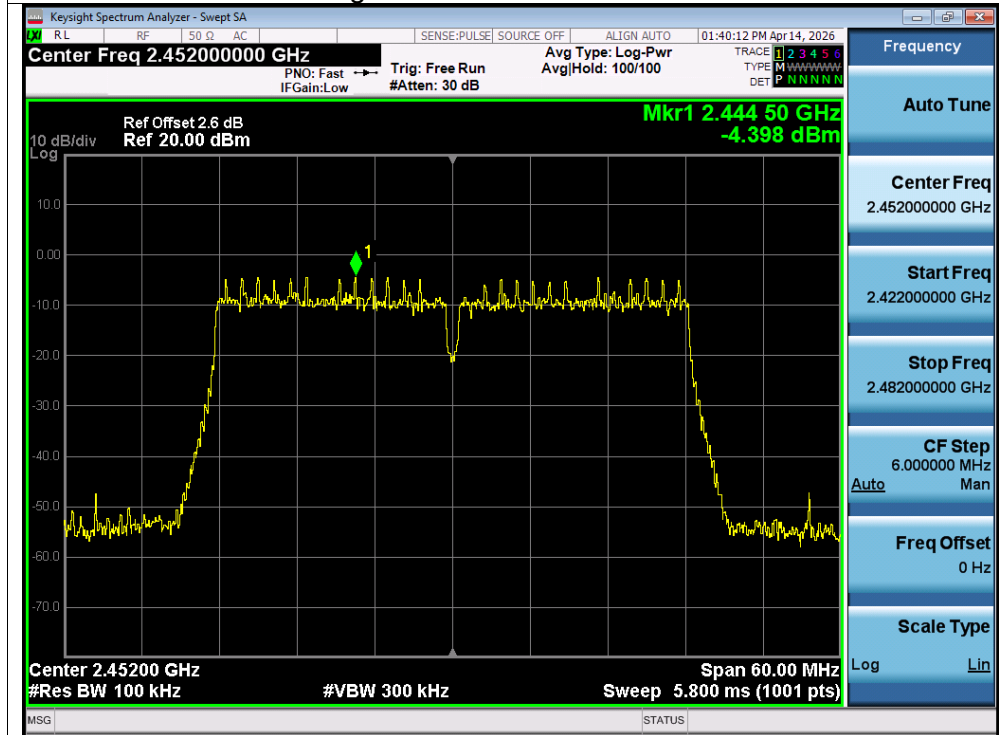


Band Edge NVNT n40 2422MHz AntB Emission

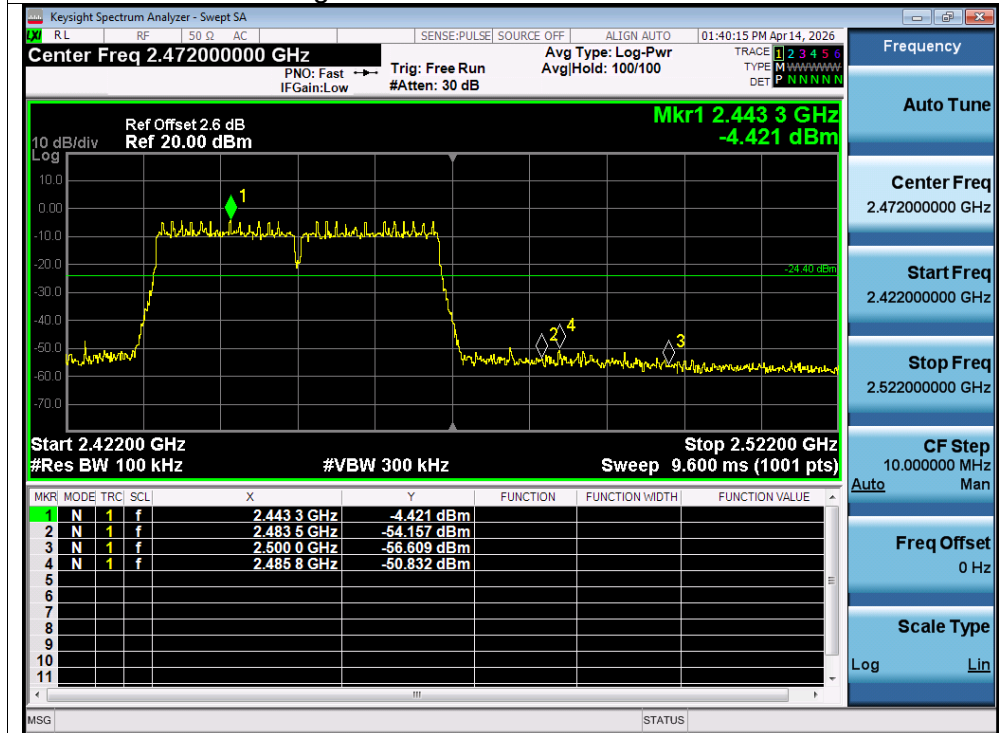




Band Edge NVNT n40 2452MHz AntB Ref

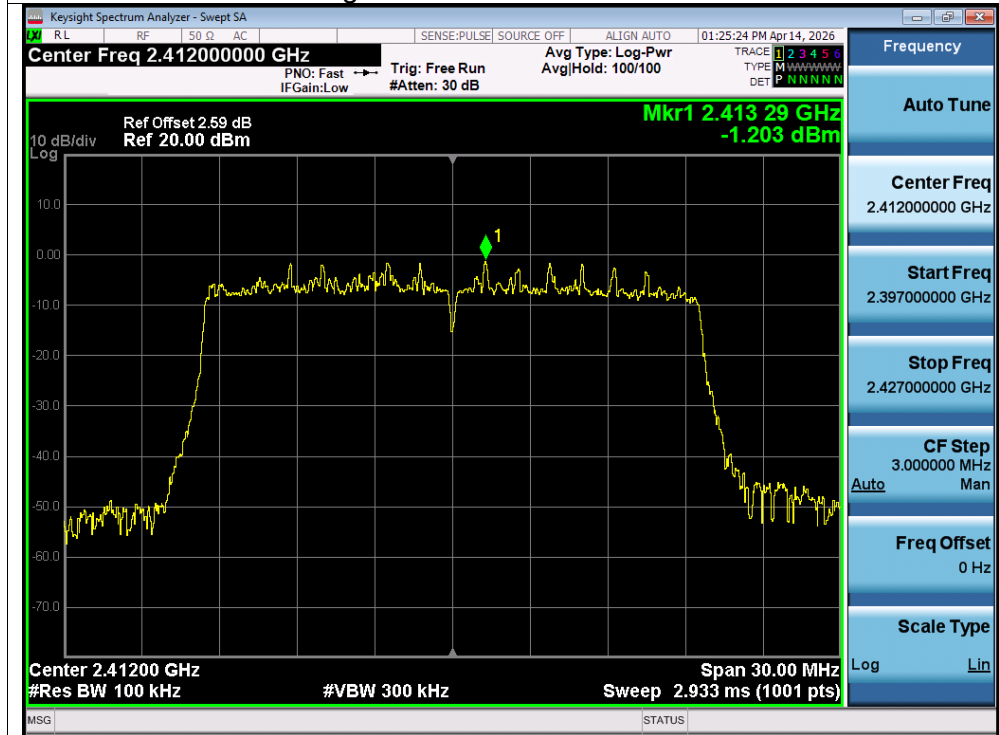


Band Edge NVNT n40 2452MHz AntB Emission

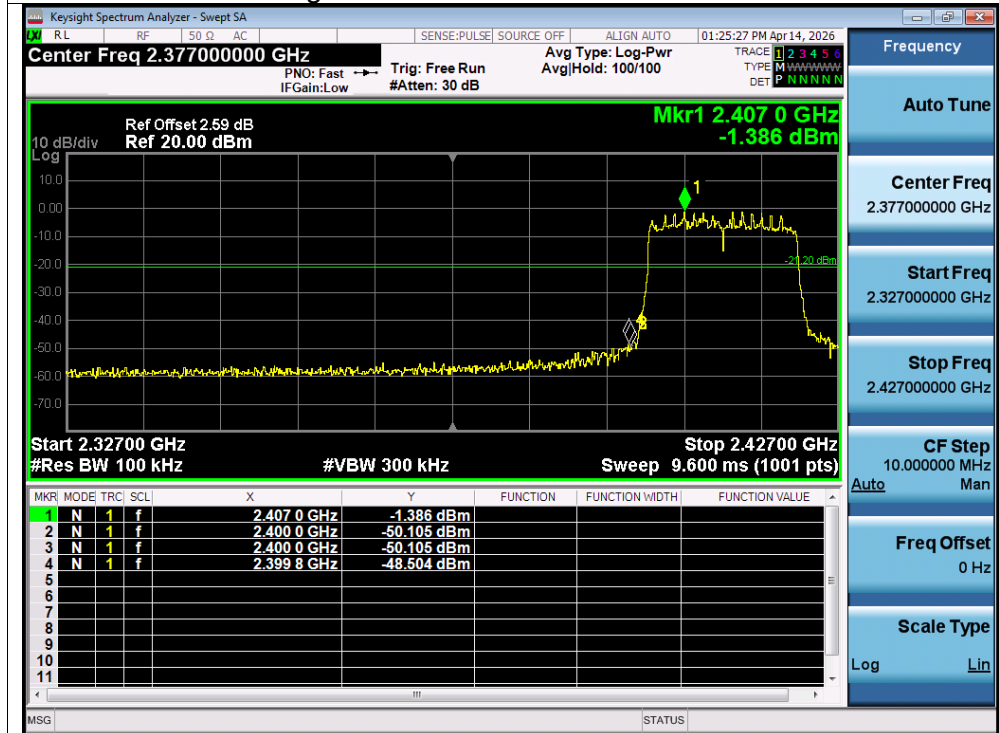




Band Edge NVNT ax20 2412MHz AntB Ref

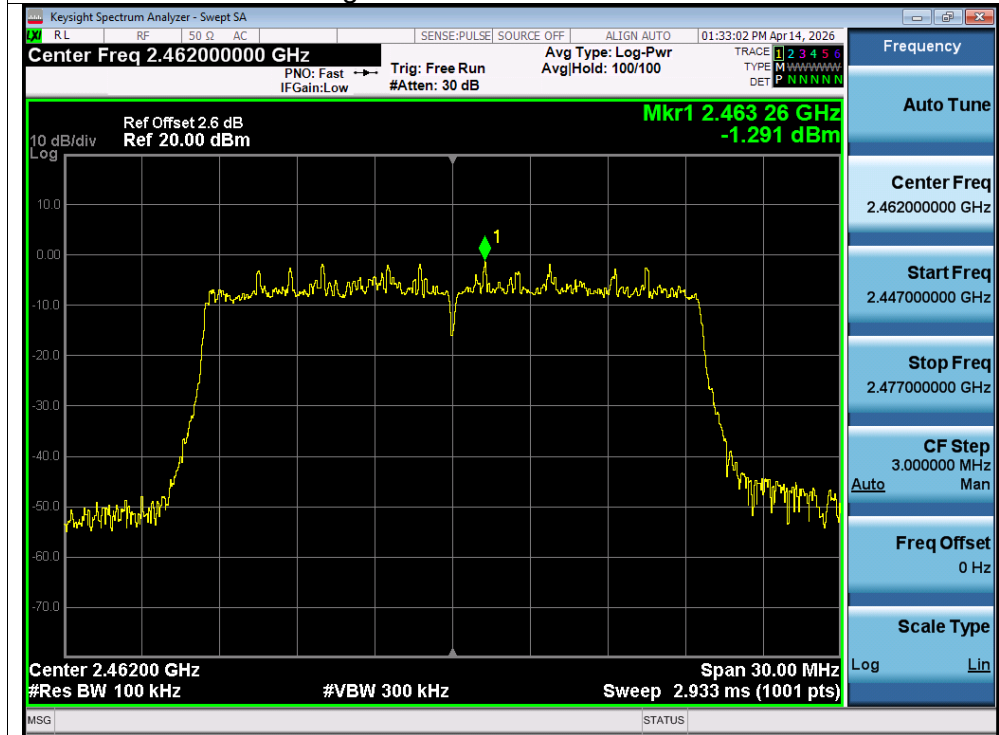


Band Edge NVNT ax20 2412MHz AntB Emission

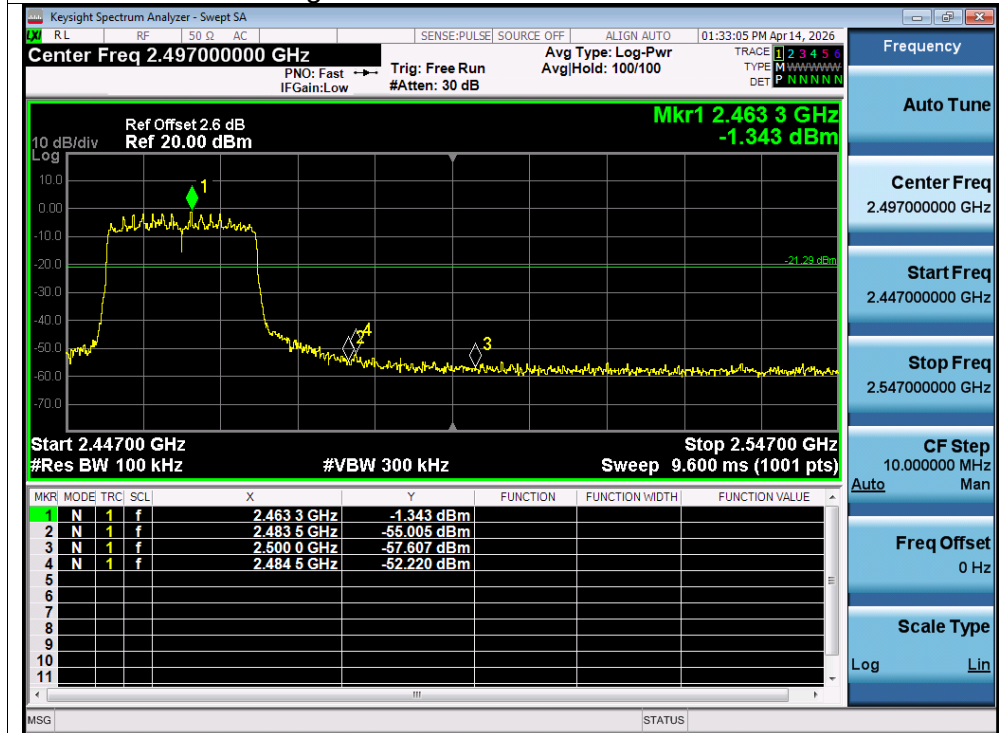




Band Edge NVNT ax20 2462MHz AntB Ref

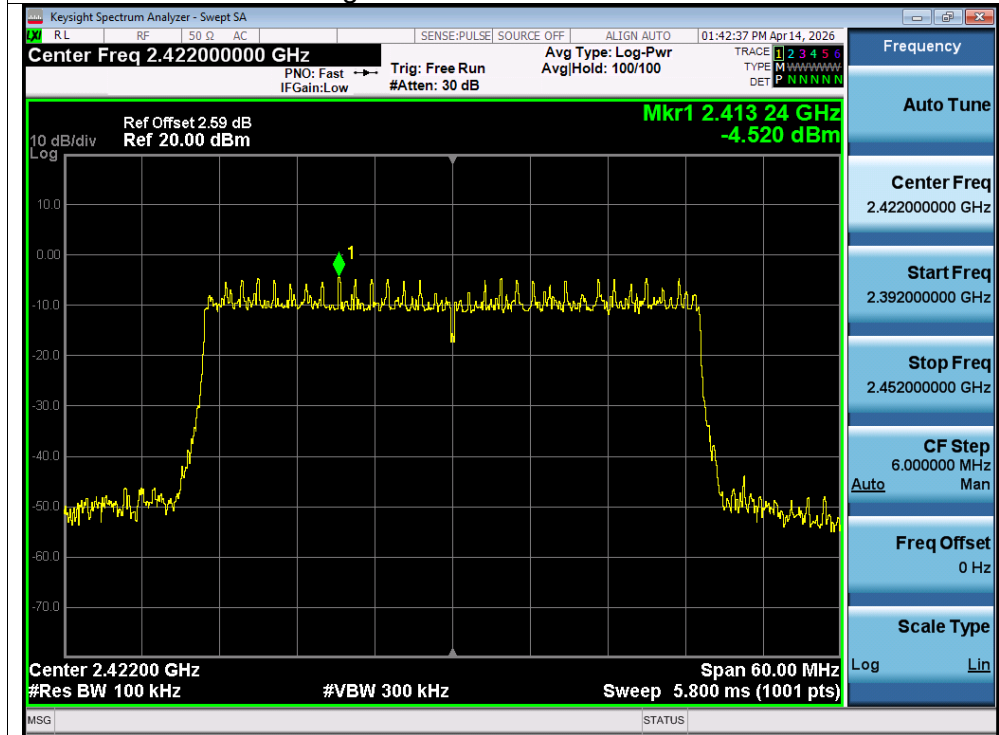


Band Edge NVNT ax20 2462MHz AntB Emission

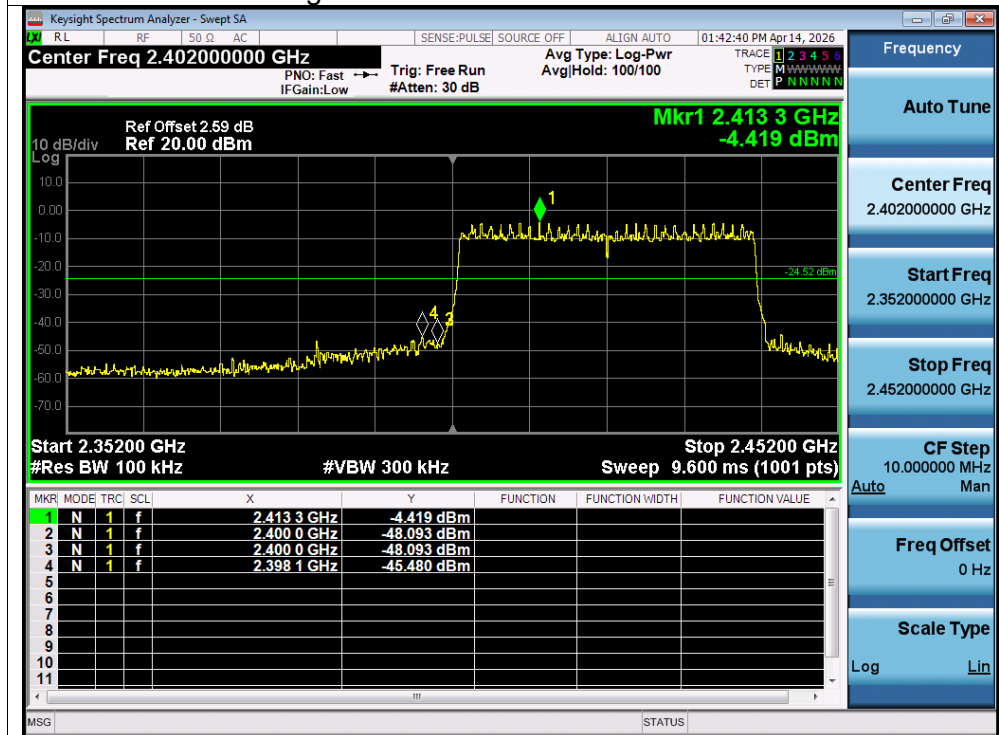




Band Edge NVNT ax40 2422MHz AntB Ref

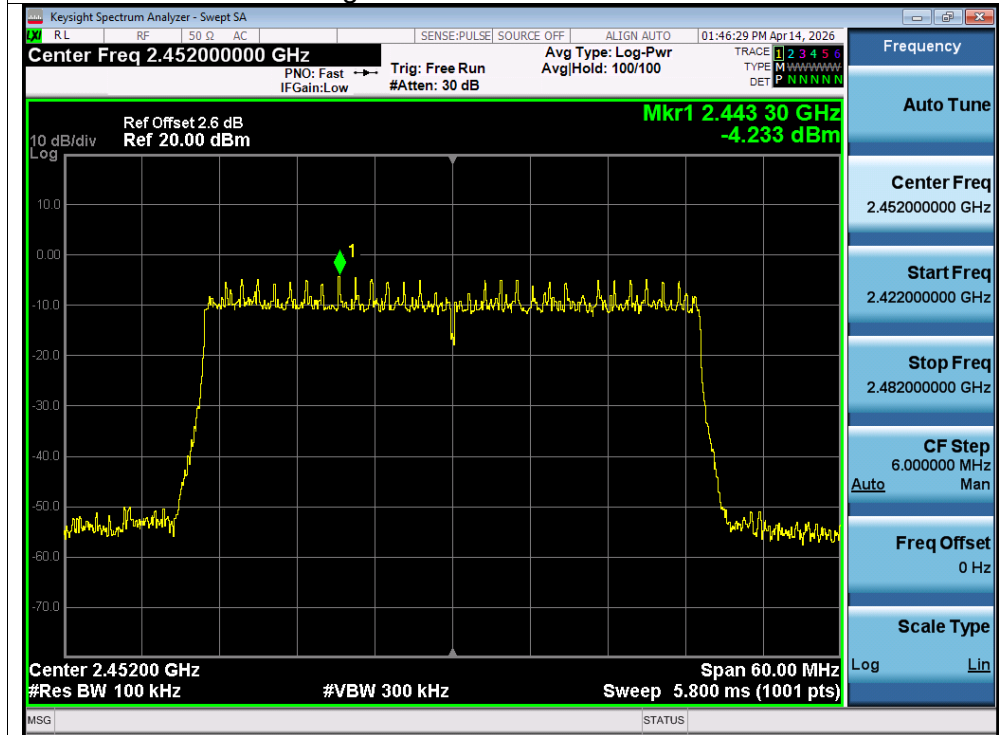


Band Edge NVNT ax40 2422MHz AntB Emission

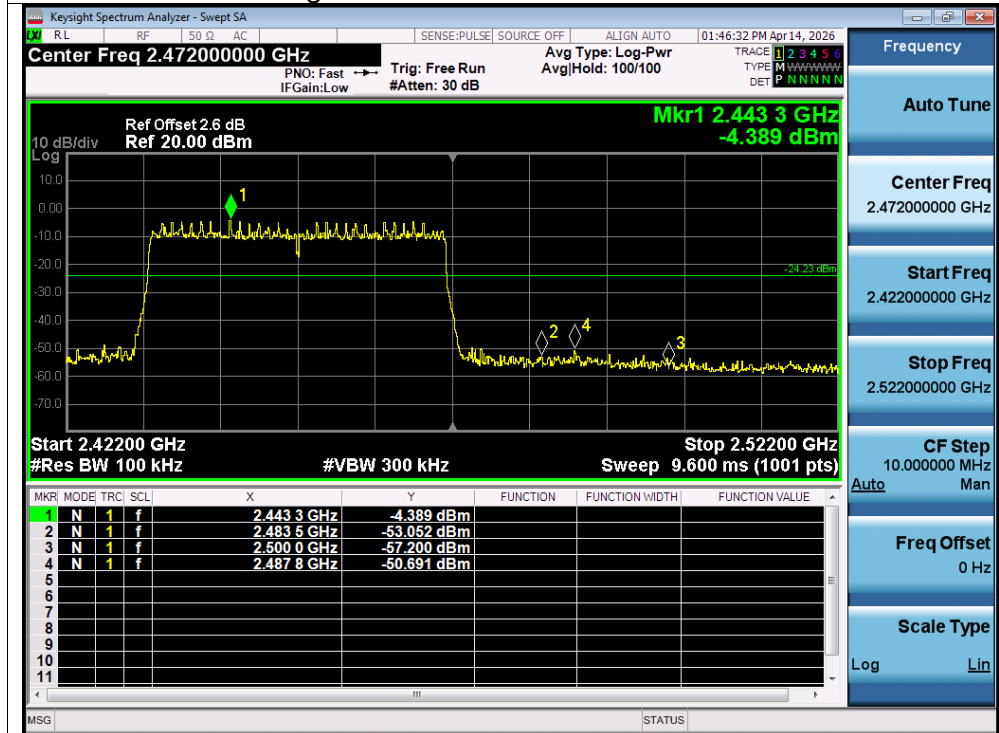




Band Edge NVNT ax40 2452MHz AntB Ref



Band Edge NVNT ax40 2452MHz AntB Emission





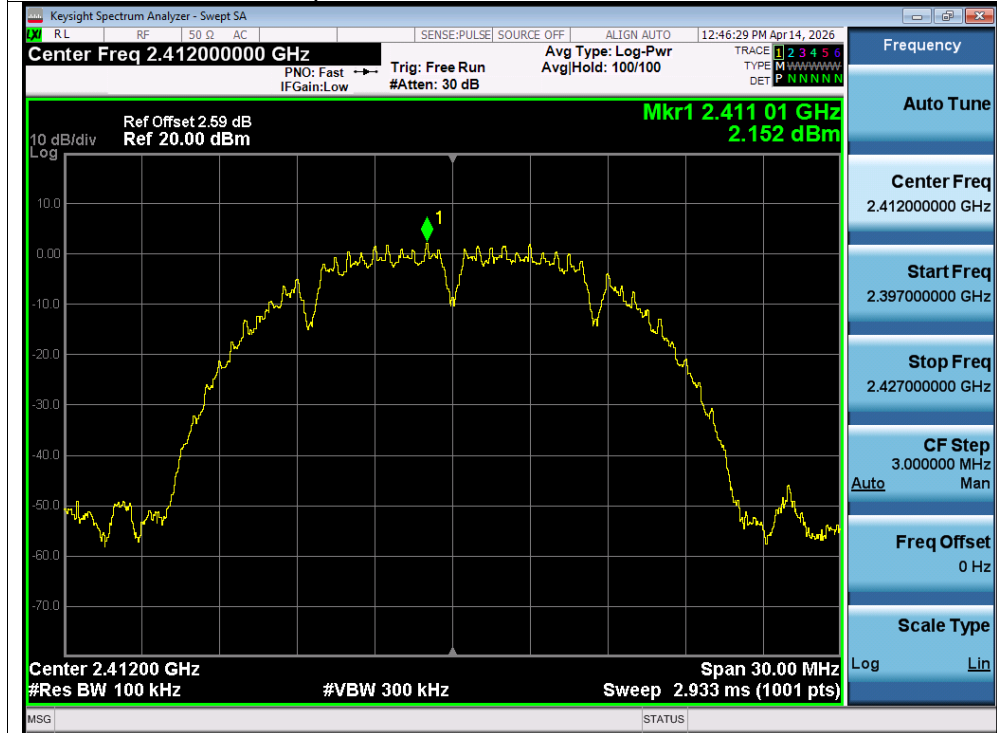
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	AntB	-44.68	-20	Pass
		2437		-43.69	-20	Pass
		2462		-43.76	-20	Pass
	g	2412		-41.74	-20	Pass
		2437		-41.45	-20	Pass
		2462		-42.08	-20	Pass
	n20	2412		-41.34	-20	Pass
		2437		-40.92	-20	Pass
		2462		-40.44	-20	Pass
	n40	2422		-37.98	-20	Pass
		2437		-37.9	-20	Pass
		2452		-37.24	-20	Pass
	ax20	2412		-40.18	-20	Pass
		2437		-41.54	-20	Pass
		2462		-41.17	-20	Pass
	ax40	2422		-38.18	-20	Pass
		2437		-36.83	-20	Pass
		2452		-38.22	-20	Pass

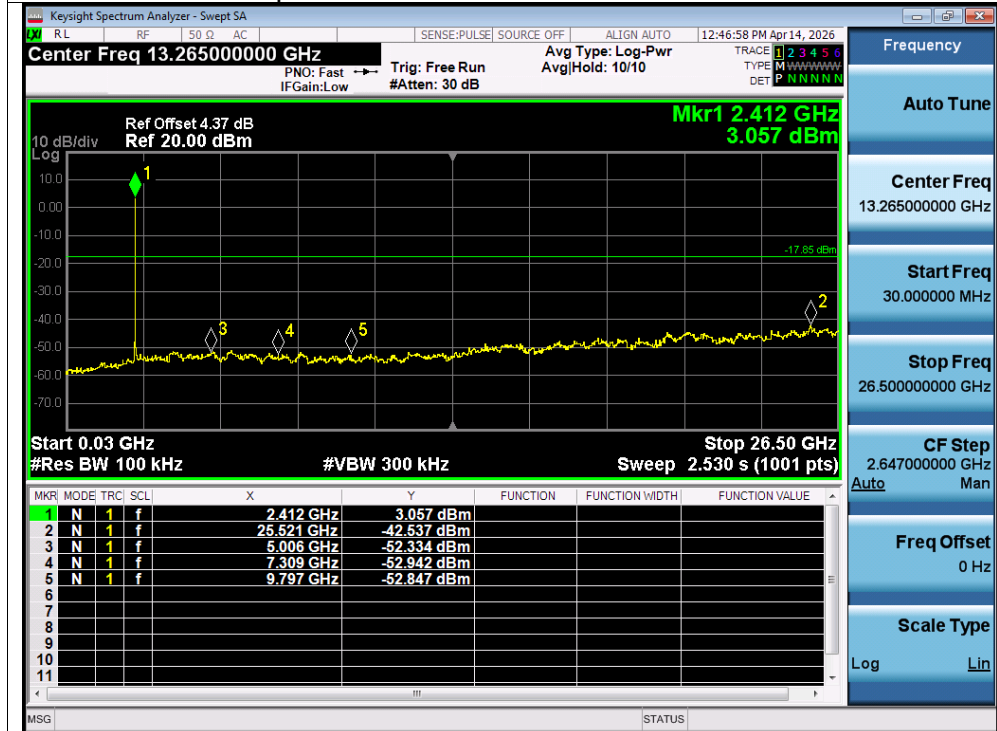


Test Graphs

Tx. Spurious NVNT b 2412MHz AntB Ref



Tx. Spurious NVNT b 2412MHz AntB Emission

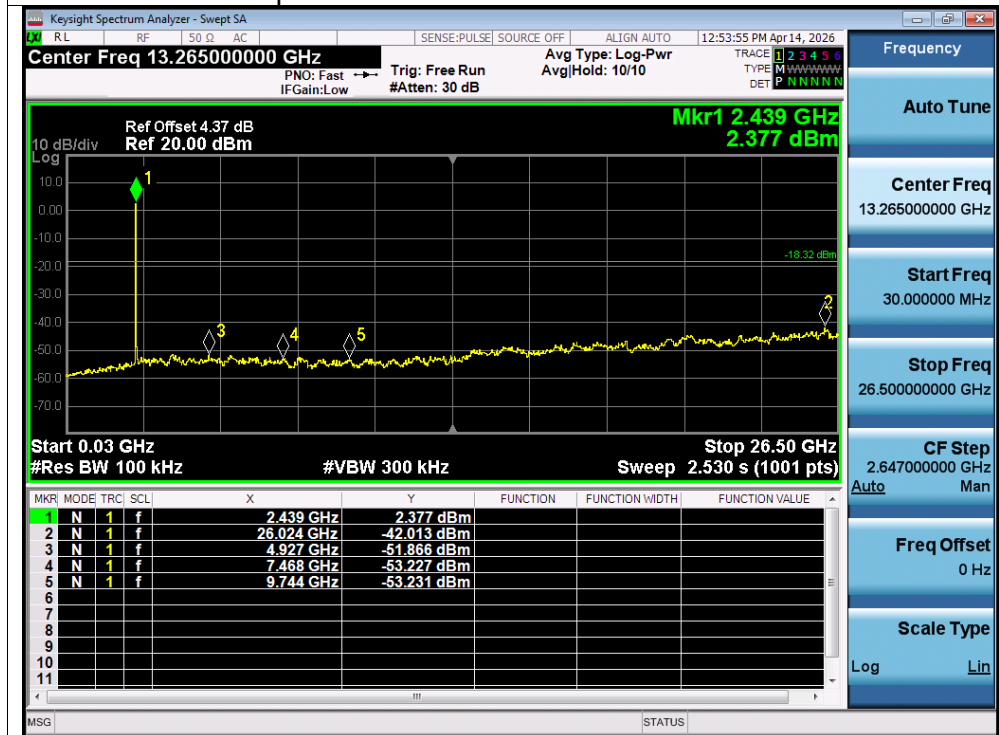




Tx. Spurious NVNT b 2437MHz AntB Ref

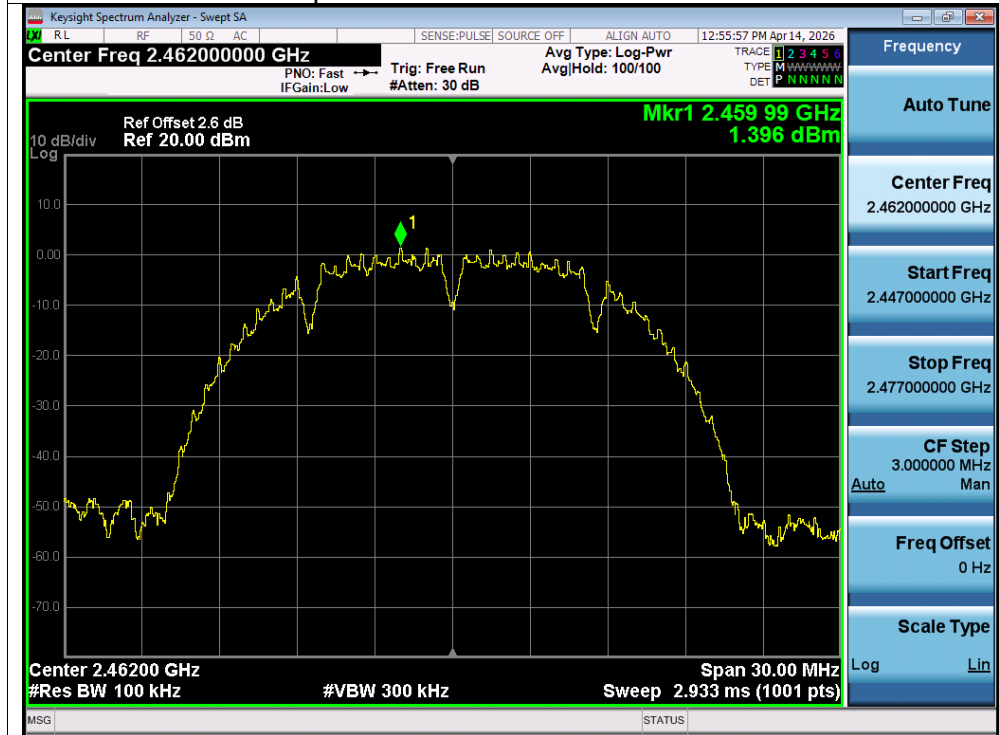


Tx. Spurious NVNT b 2437MHz AntB Emission

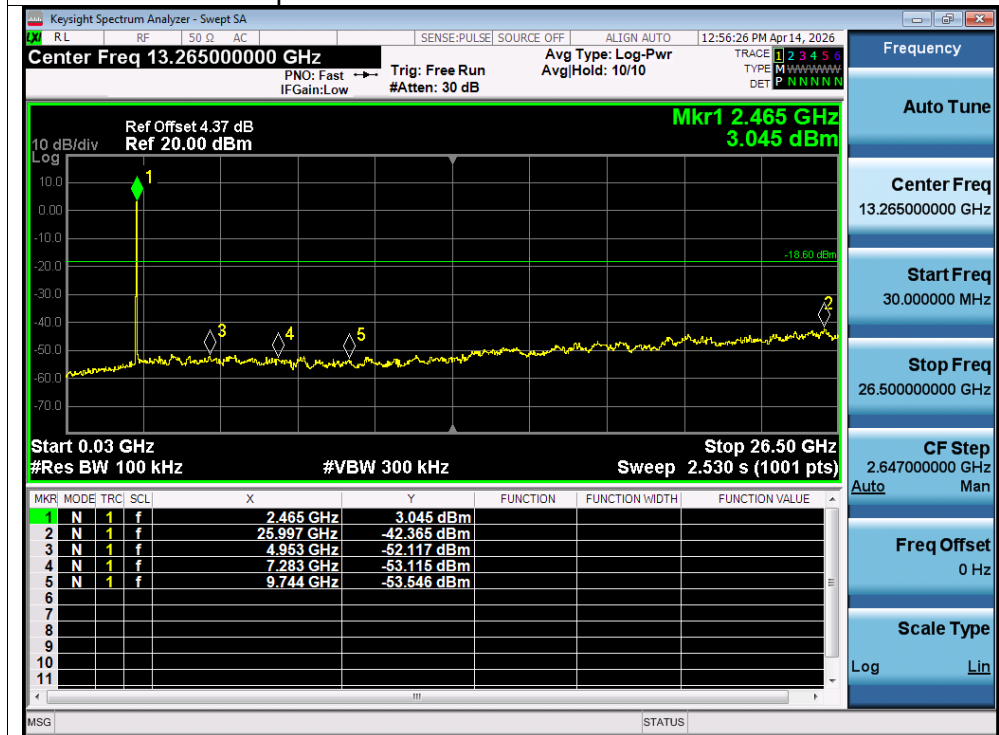




Tx. Spurious NVNT b 2462MHz AntB Ref

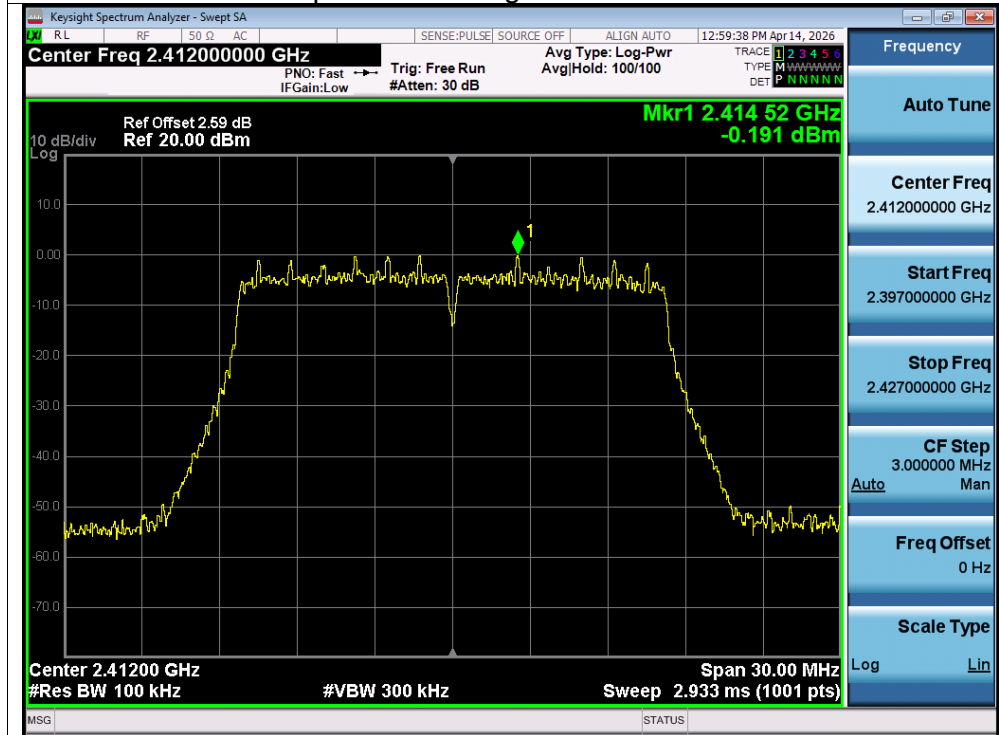


Tx. Spurious NVNT b 2462MHz AntB Emission

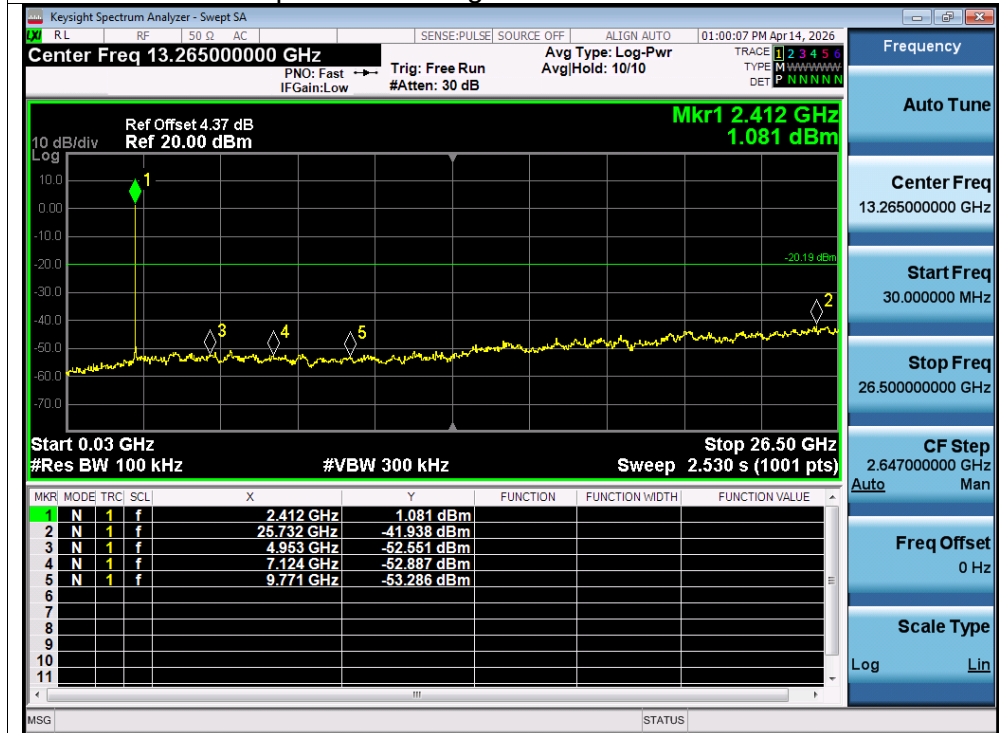




Tx. Spurious NVNT g 2412MHz AntB Ref



Tx. Spurious NVNT g 2412MHz AntB Emission

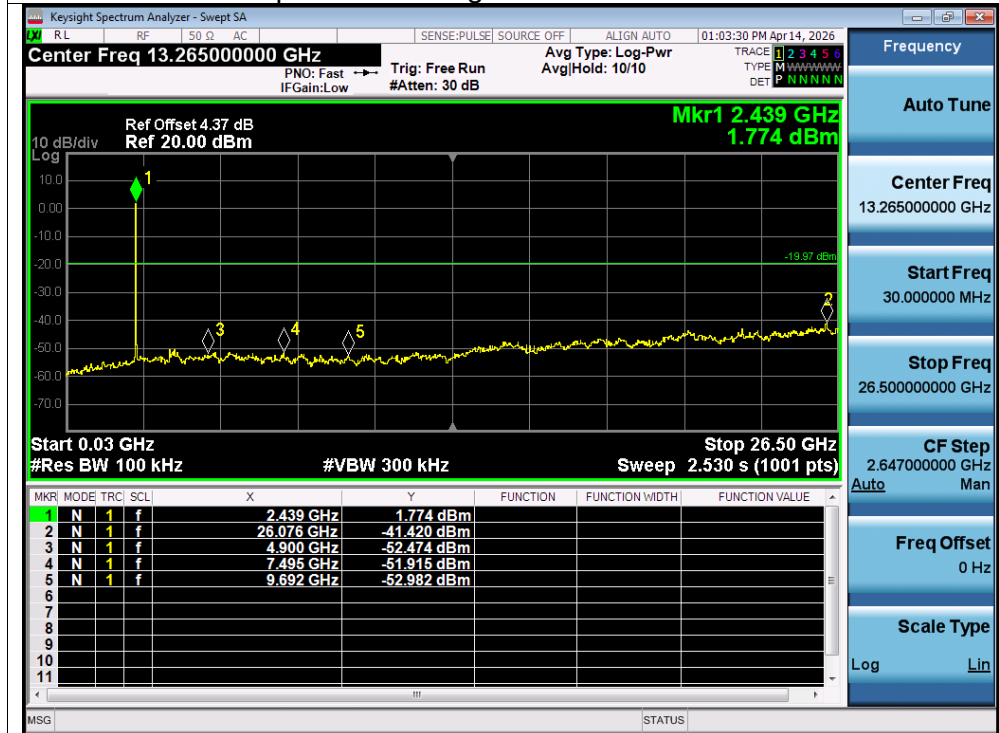




Tx. Spurious NVNT g 2437MHz AntB Ref

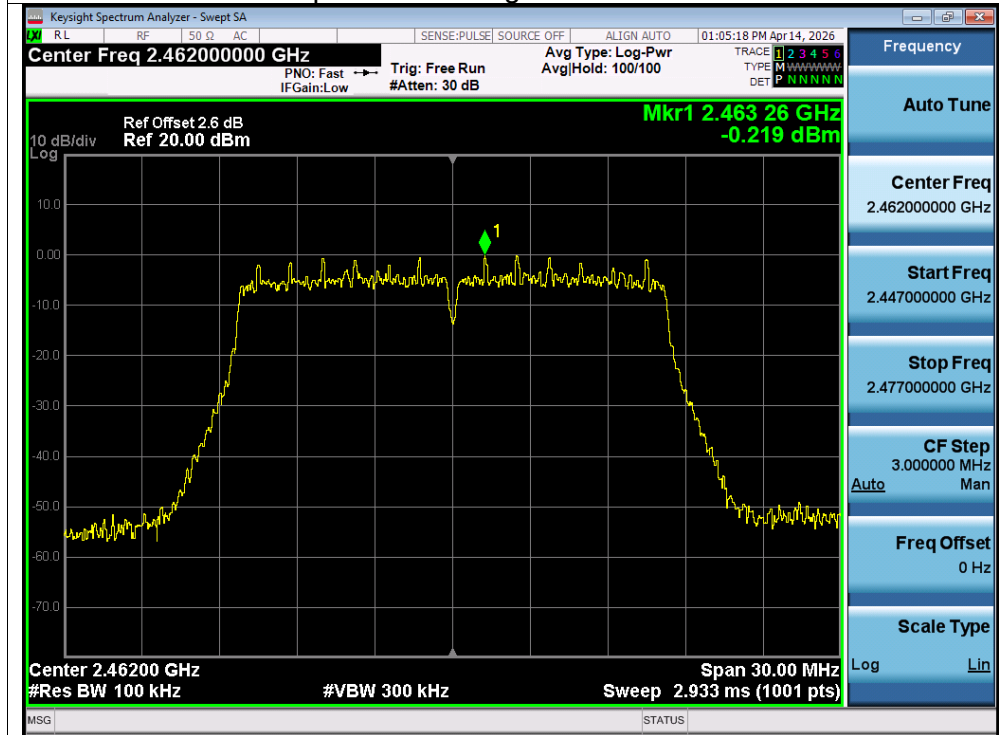


Tx. Spurious NVNT g 2437MHz AntB Emission





Tx. Spurious NVNT g 2462MHz AntB Ref



Tx. Spurious NVNT g 2462MHz AntB Emission

