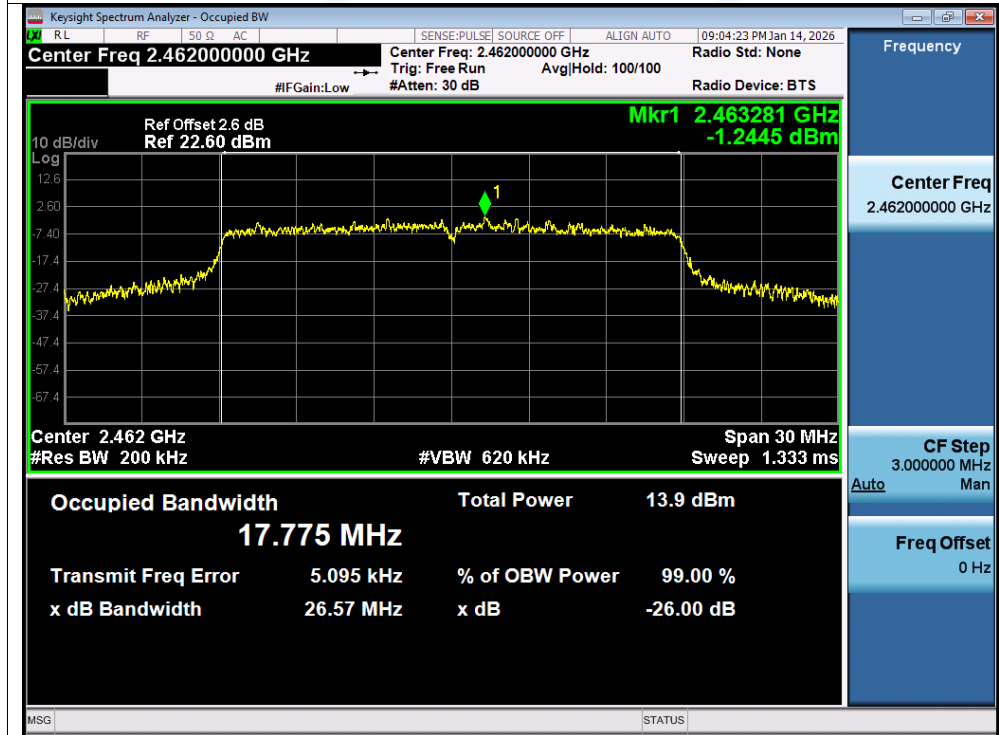




OBW NVNT n20 2462MHz AntA

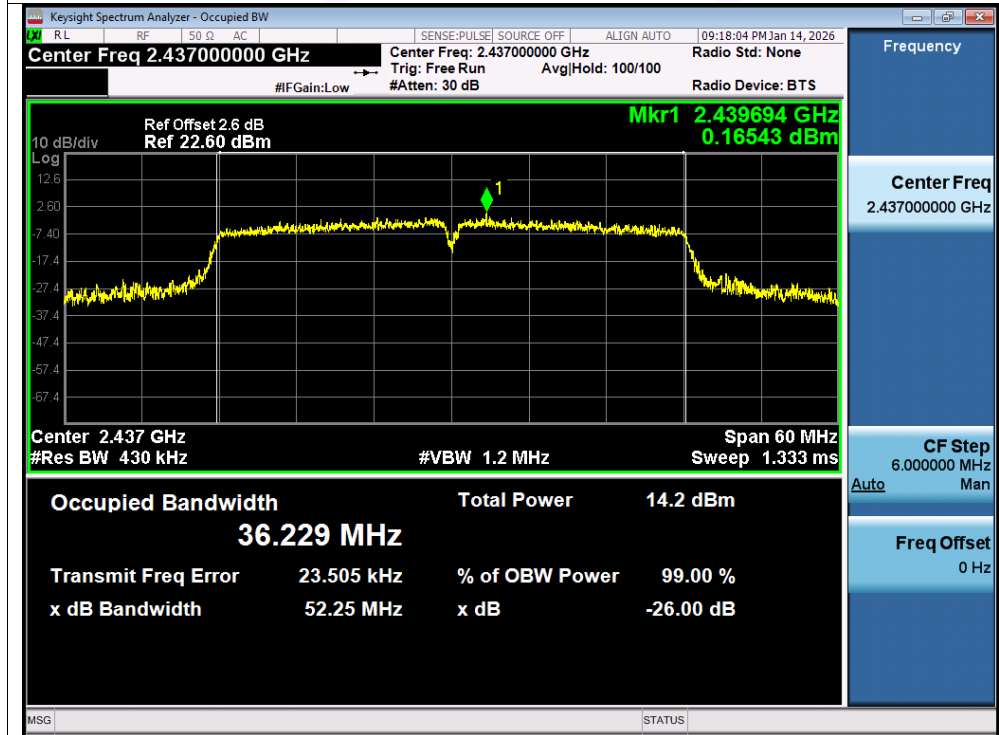


OBW NVNT n40 2422MHz AntA





OBW NVNT n40 2437MHz AntA

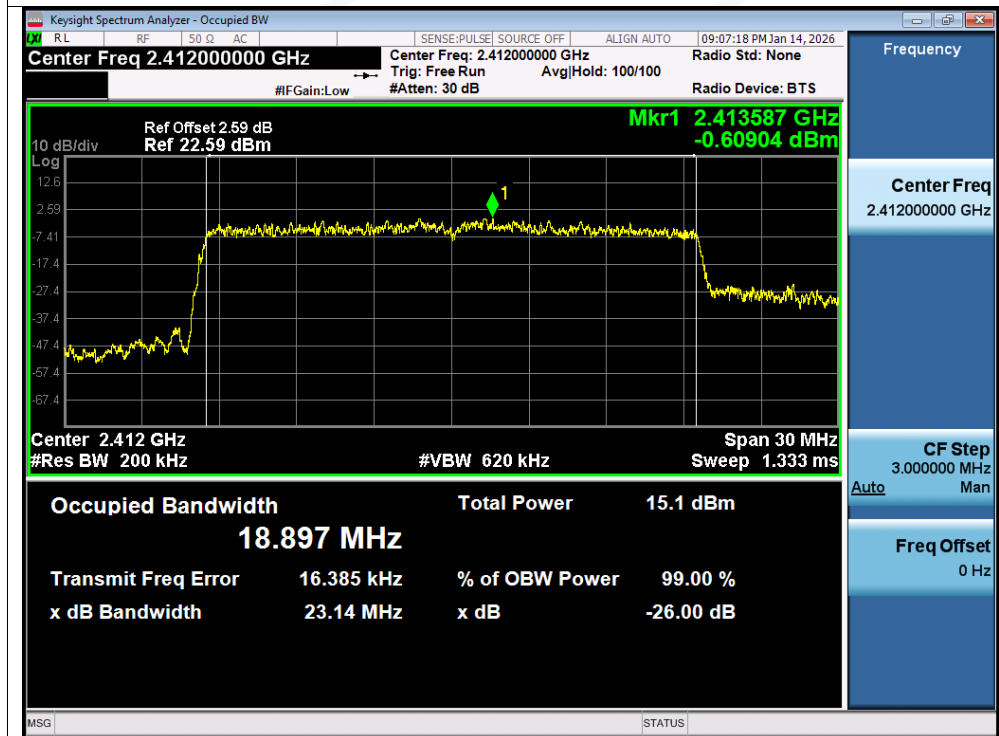


OBW NVNT n40 2452MHz AntA

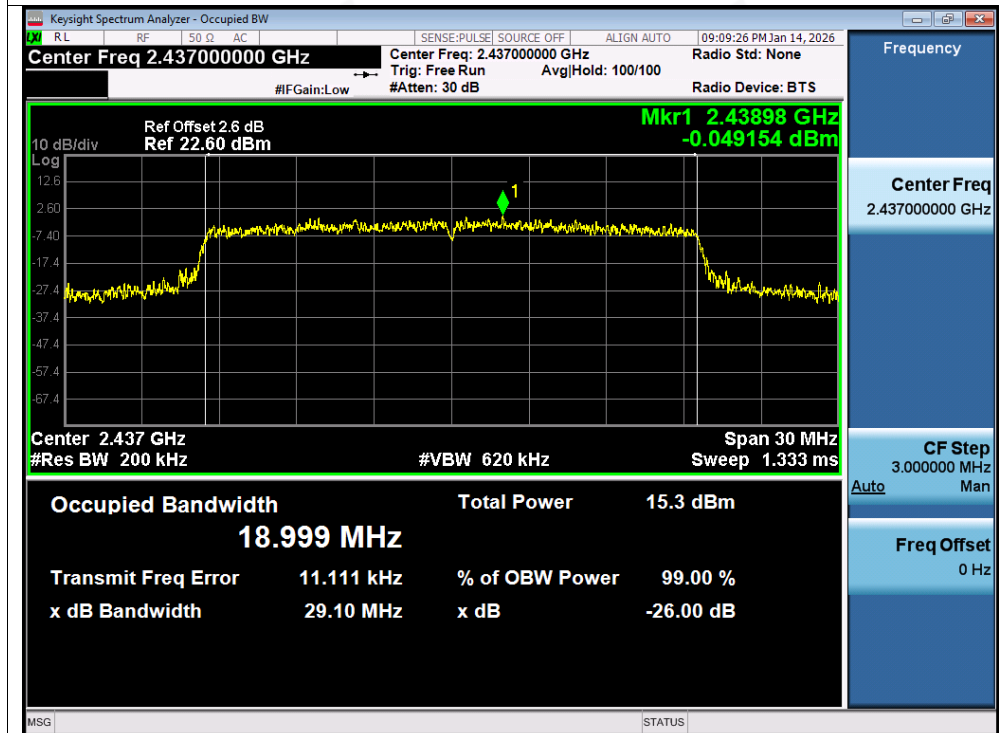




OBW NVNT ax20 2412MHz AntA

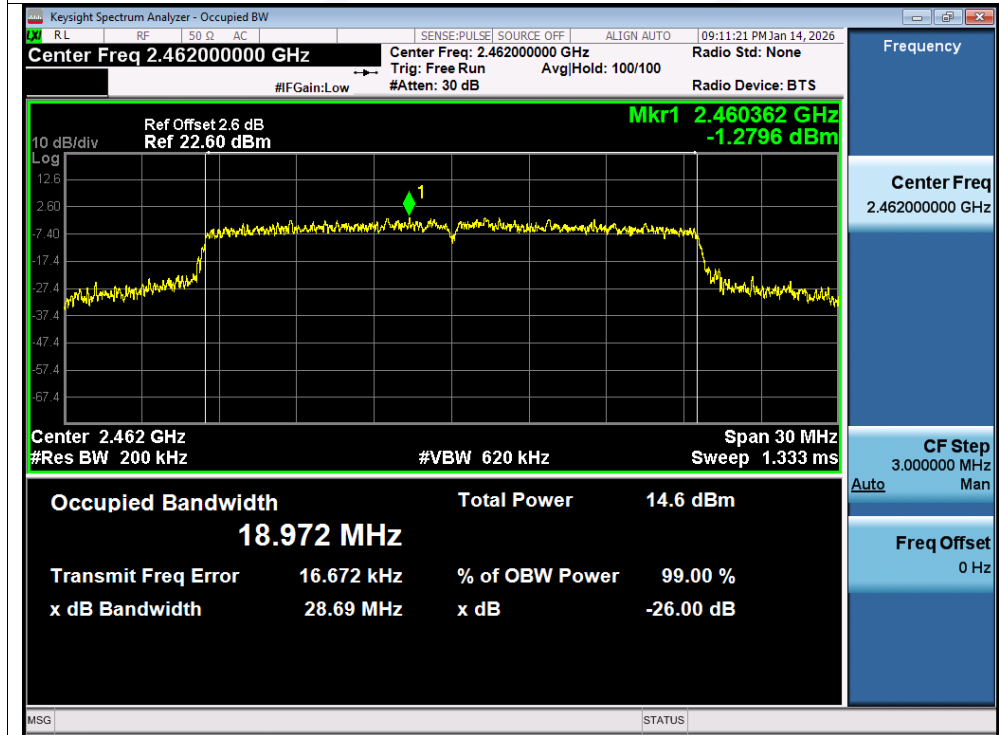


OBW NVNT ax20 2437MHz AntA

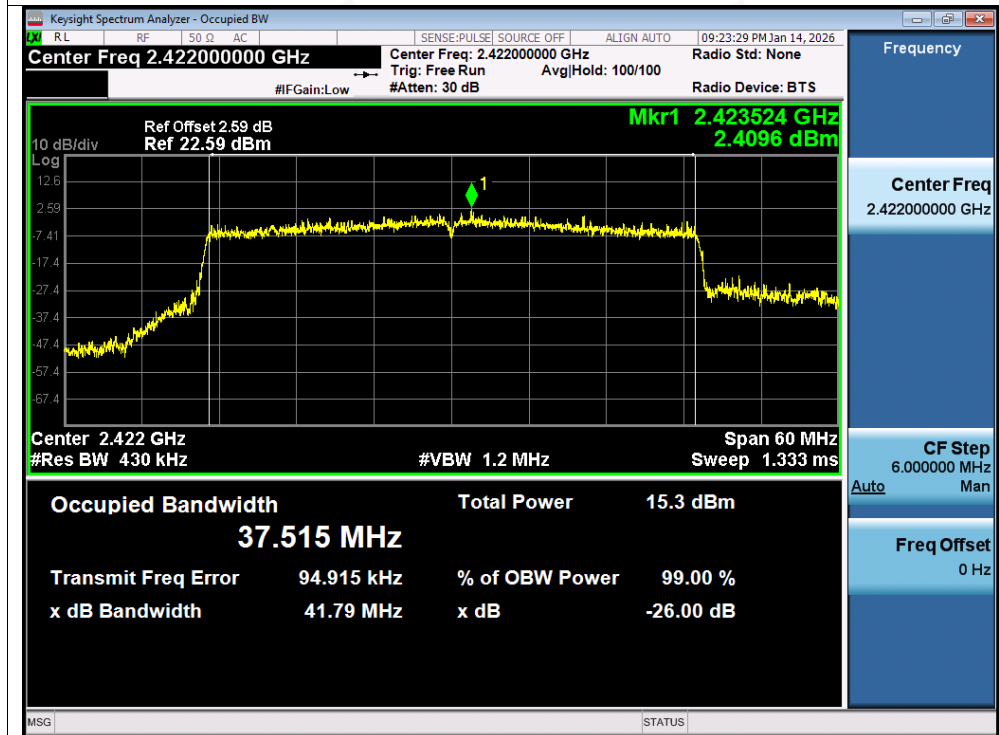




OBW NVNT ax20 2462MHz AntA

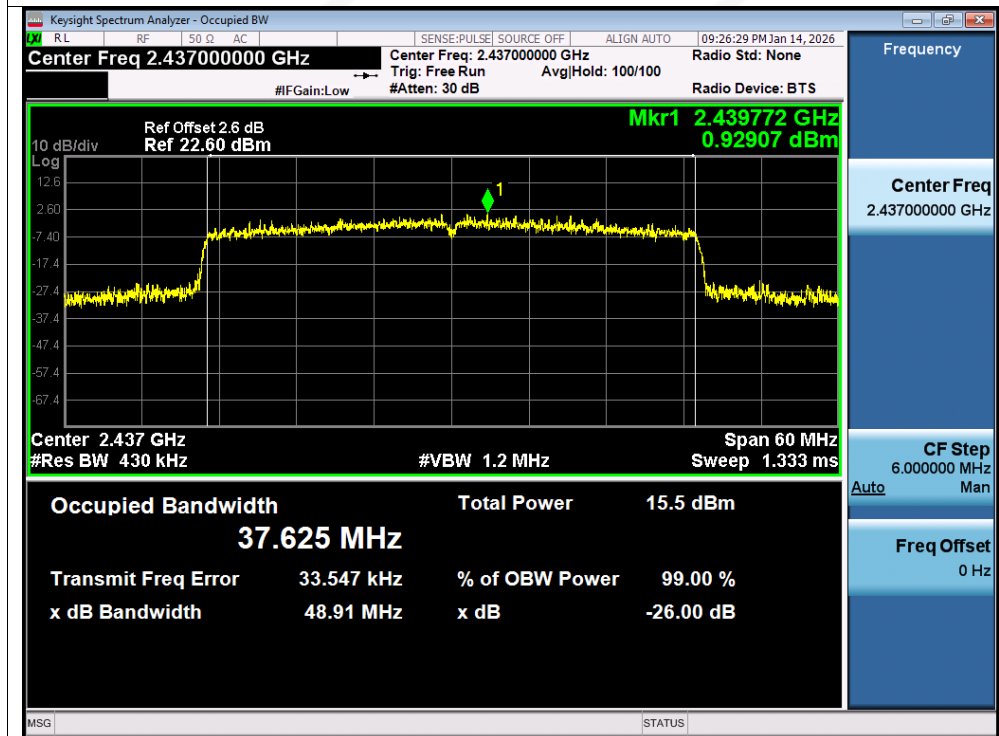


OBW NVNT ax40 2422MHz AntA

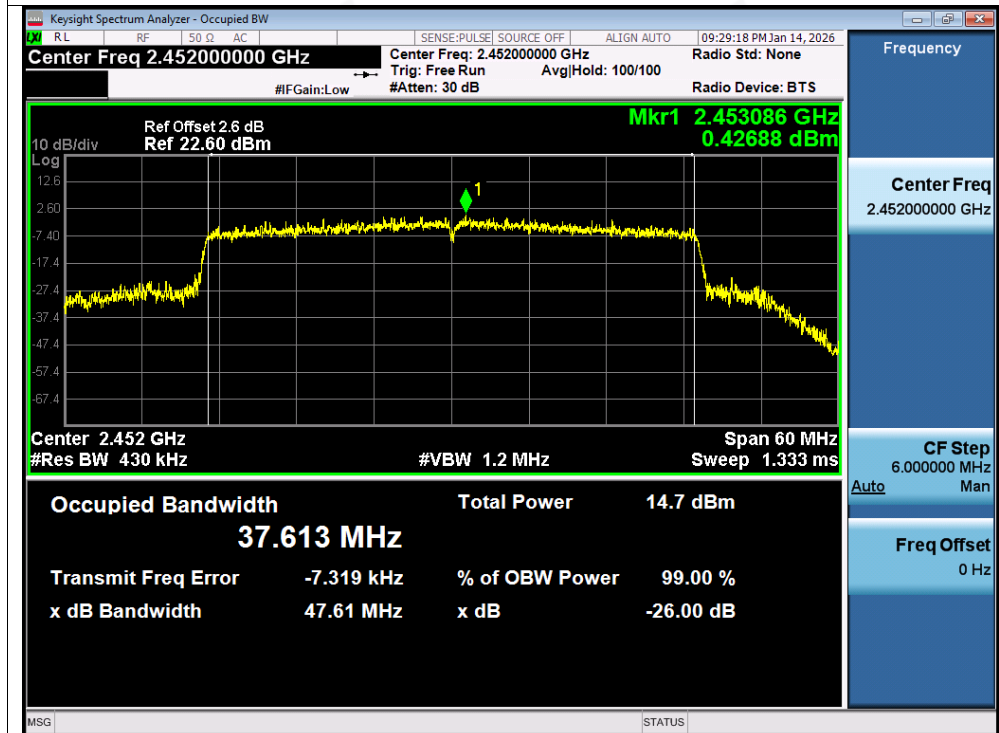




OBW NVNT ax40 2437MHz AntA



OBW NVNT ax40 2452MHz AntA





Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	AntA	-9.24	8	Pass
NVNT	b	2437	AntA	-9.46	8	Pass
NVNT	b	2462	AntA	-10.73	8	Pass
NVNT	g	2412	AntA	-13.51	8	Pass
NVNT	g	2437	AntA	-13.4	8	Pass
NVNT	g	2462	AntA	-14.17	8	Pass
NVNT	n20	2412	AntA	-15.16	8	Pass
NVNT	n20	2437	AntA	-15.19	8	Pass
NVNT	n20	2462	AntA	-14.63	8	Pass
NVNT	n40	2422	AntA	-17.47	8	Pass
NVNT	n40	2437	AntA	-16.79	8	Pass
NVNT	n40	2452	AntA	-18.08	8	Pass
NVNT	ax20	2412	AntA	-15.68	8	Pass
NVNT	ax20	2437	AntA	-15.09	8	Pass
NVNT	ax20	2462	AntA	-15.9	8	Pass
NVNT	ax40	2422	AntA	-19.65	8	Pass
NVNT	ax40	2437	AntA	-19.65	8	Pass
NVNT	ax40	2452	AntA	-19.45	8	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)				Verdict
			ANT A	ANT B	Total	Limit	
NVNT	b	2412	-9.24	-9.81	/	8	Pass
NVNT	b	2437	-9.46	-10.23	/	8	Pass
NVNT	b	2462	-10.73	-10.23	/	8	Pass
NVNT	g	2412	-13.51	-14.39	/	8	Pass
NVNT	g	2437	-13.4	-13.81	/	8	Pass
NVNT	g	2462	-14.17	-13.67	/	8	Pass
NVNT	n20	2412	-15.16	-13.99	-11.53	8	Pass
NVNT	n20	2437	-15.19	-15.31	-12.24	8	Pass
NVNT	n20	2462	-14.63	-14.9	-11.75	8	Pass
NVNT	n40	2422	-17.47	-17.9	-14.67	8	Pass
NVNT	n40	2437	-16.79	-17.89	-14.29	8	Pass
NVNT	n40	2452	-18.08	-18.44	-15.25	8	Pass
NVNT	ax20	2412	-15.68	-16.68	-13.14	8	Pass
NVNT	ax20	2437	-15.09	-17.23	-13.02	8	Pass
NVNT	ax20	2462	-15.9	-17.23	-13.50	8	Pass
NVNT	ax40	2422	-19.65	-17.33	-15.33	8	Pass
NVNT	ax40	2437	-19.65	-19.09	-16.35	8	Pass
NVNT	ax40	2452	-19.45	-17.99	-15.65	8	Pass

Note:

Antenna A gain: 0.7 dBi, Antenna B gain: 0.7dBi
 For power spectral density(PSD) measurements,
 $\text{Array Gain} = 10\log(\text{NANT})\text{dB} = 10\log(2) = 3.01 \text{ dBi}$,
 So the directional gain for PSD is $3.71 \text{ dBi} < 6\text{dBi}$.

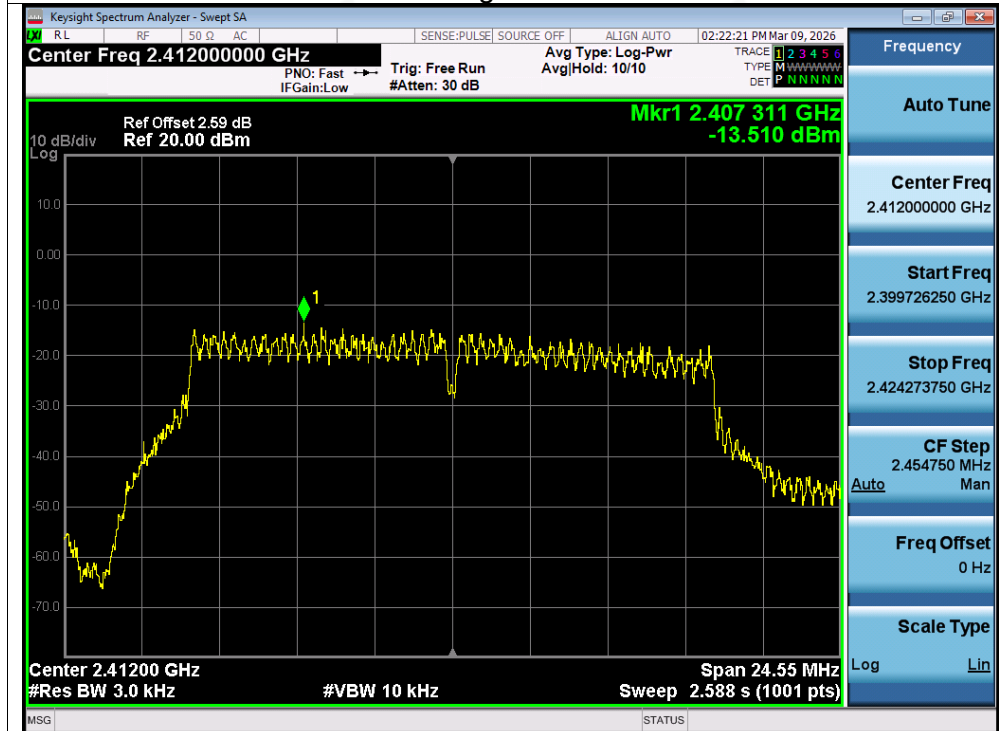




PSD NVNT b 2462MHz AntA

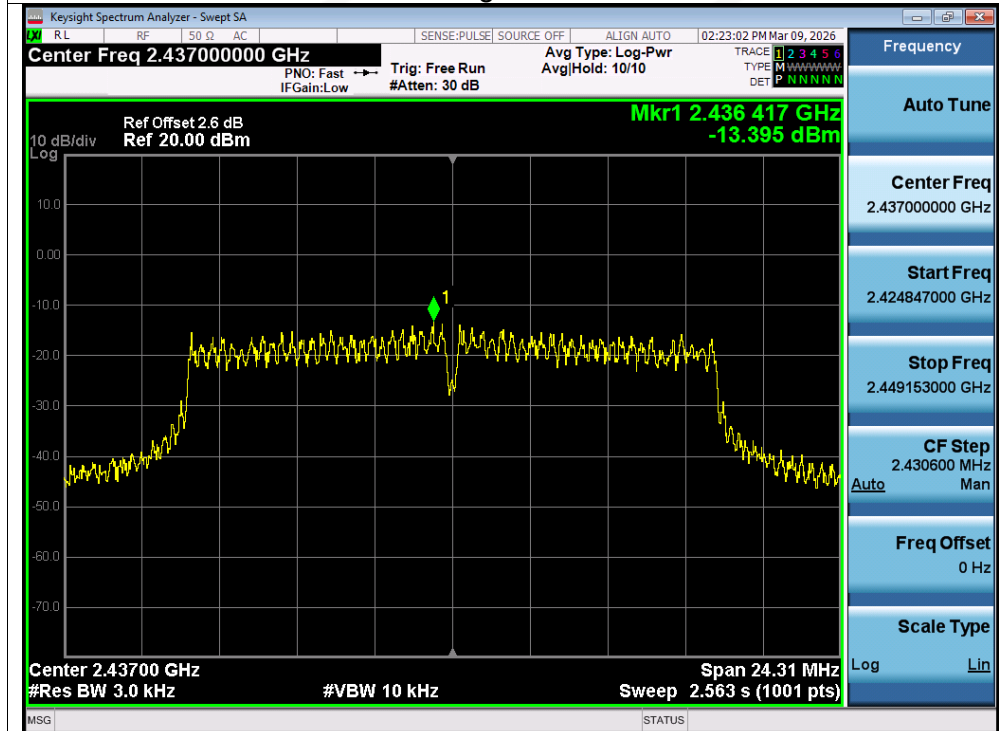


PSD NVNT g 2412MHz AntA

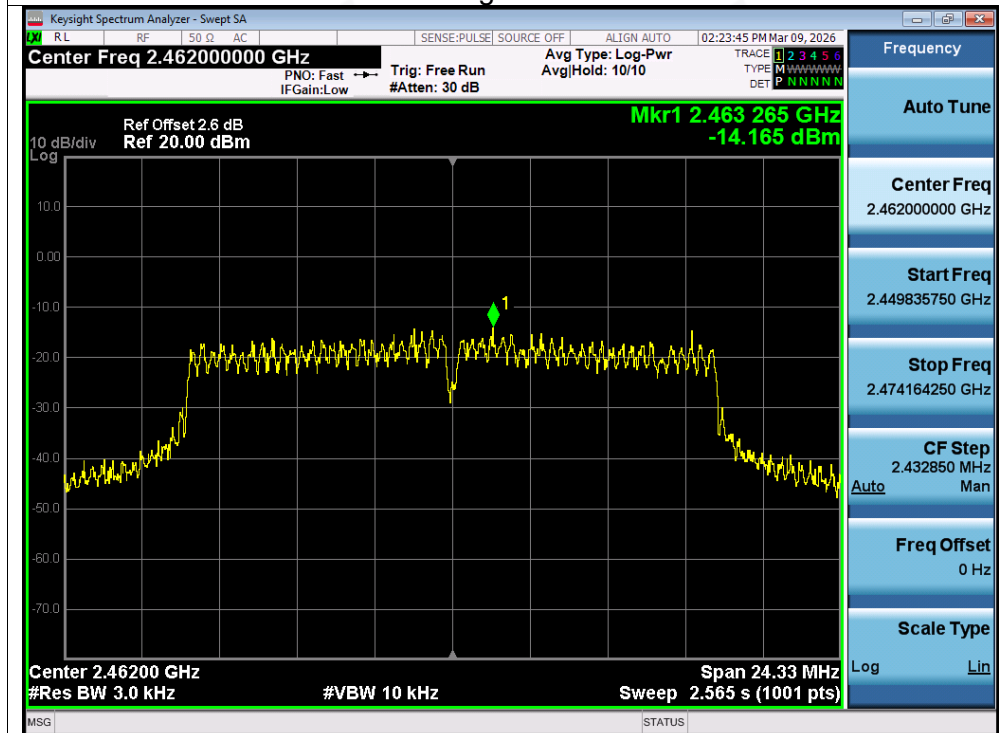




PSD NVNT g 2437MHz AntA

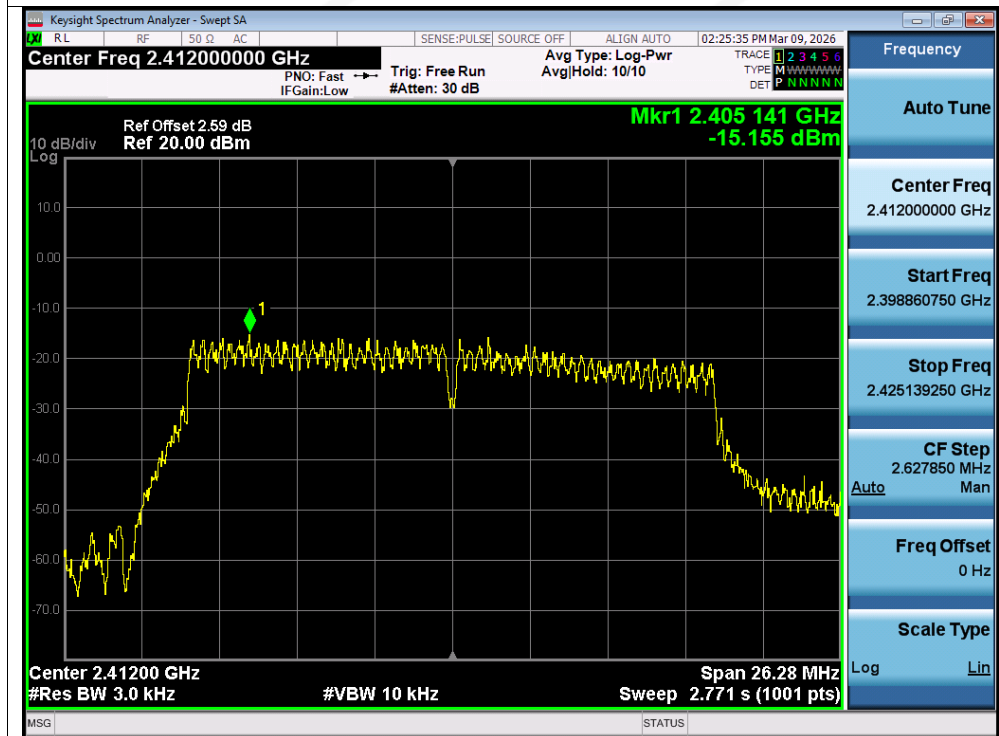


PSD NVNT g 2462MHz AntA

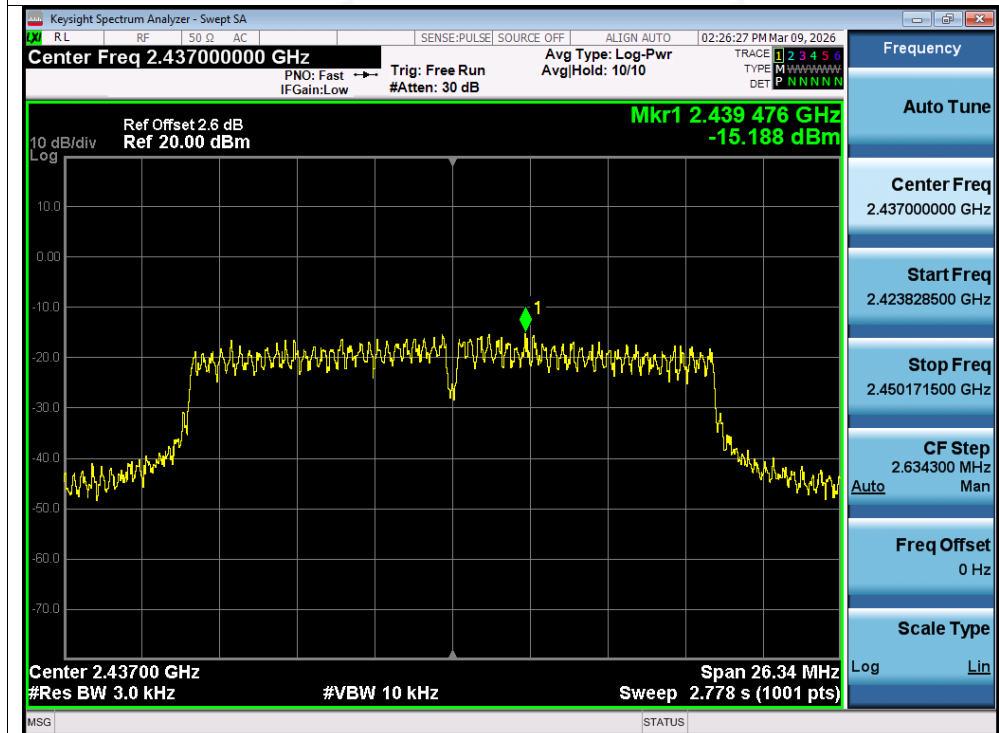




PSD NVNT n20 2412MHz AntA

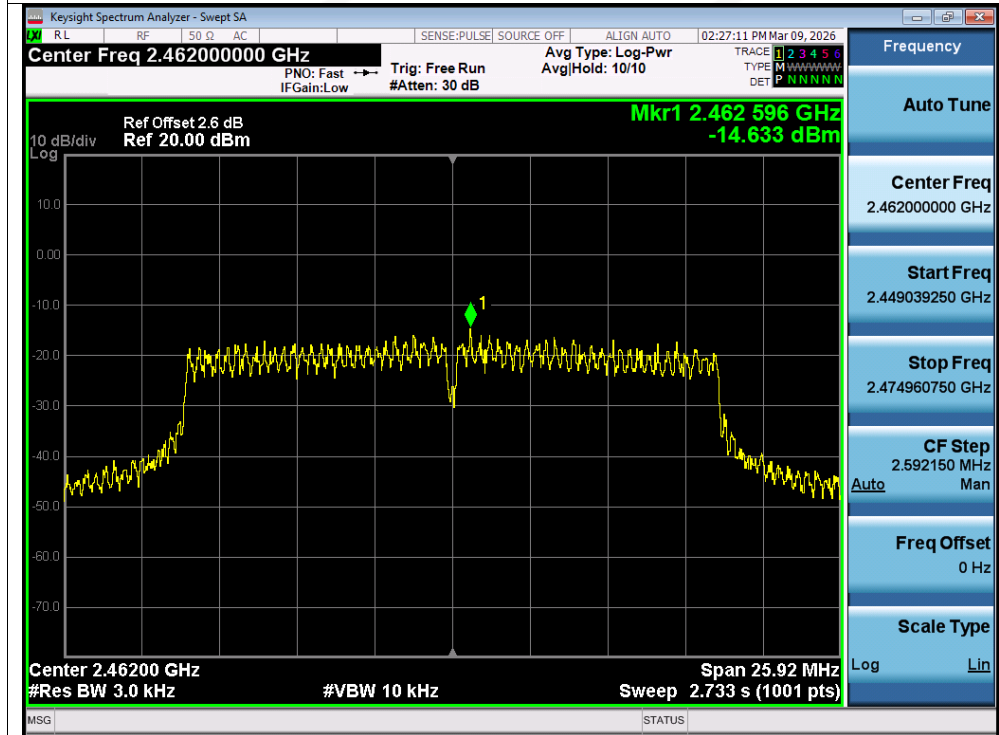


PSD NVNT n20 2437MHz AntA

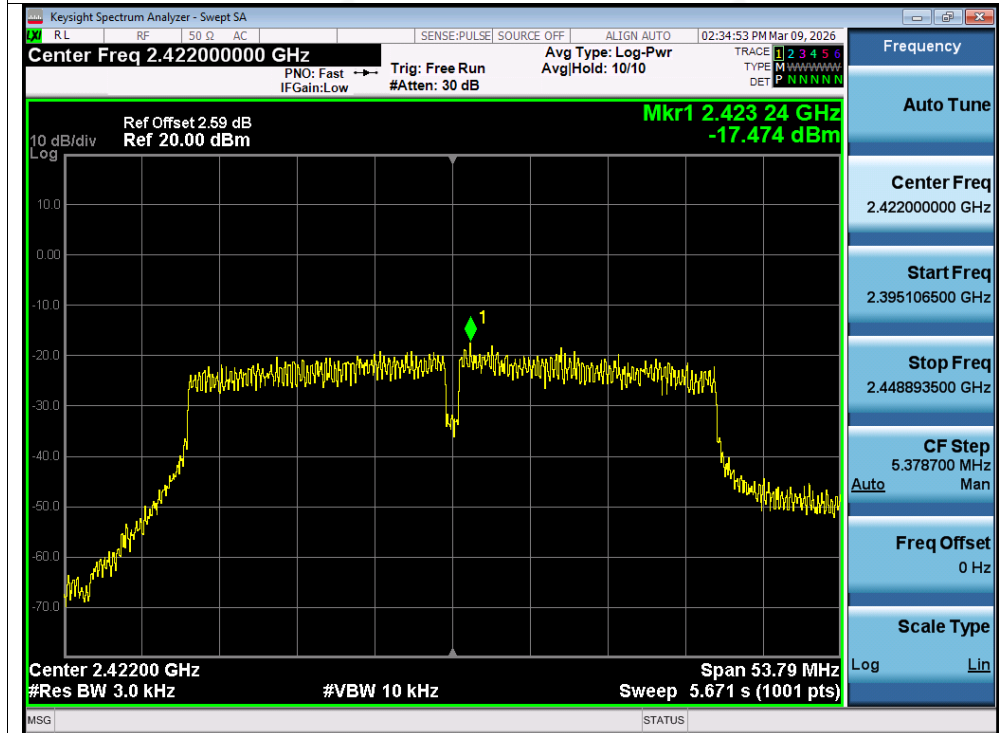




PSD NVNT n20 2462MHz AntA

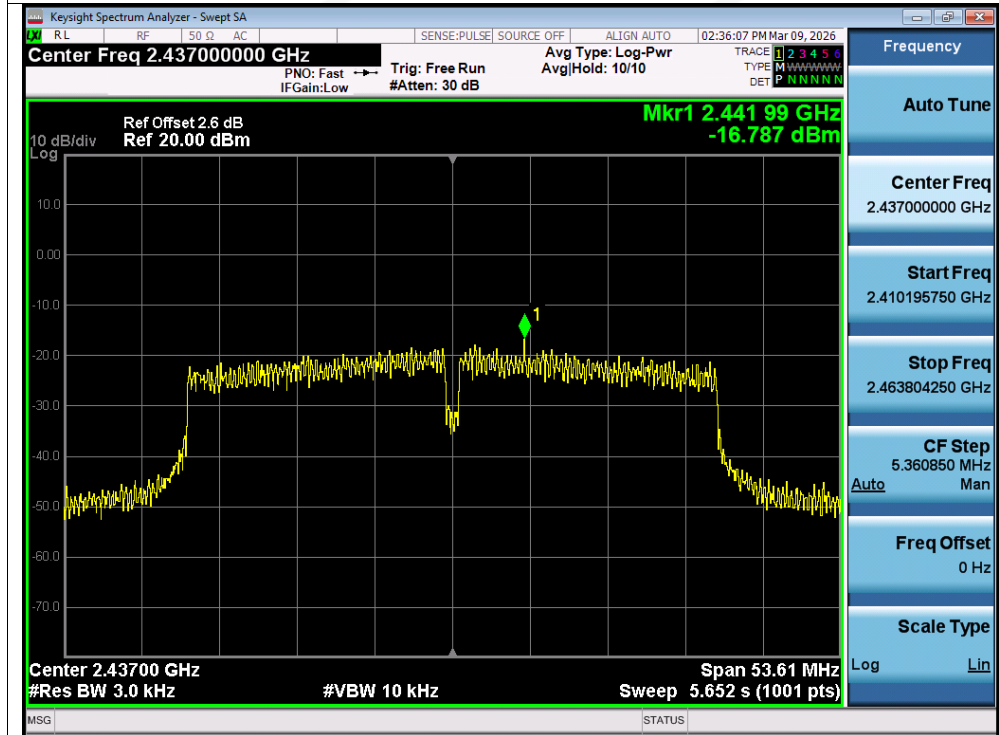


PSD NVNT n40 2422MHz AntA

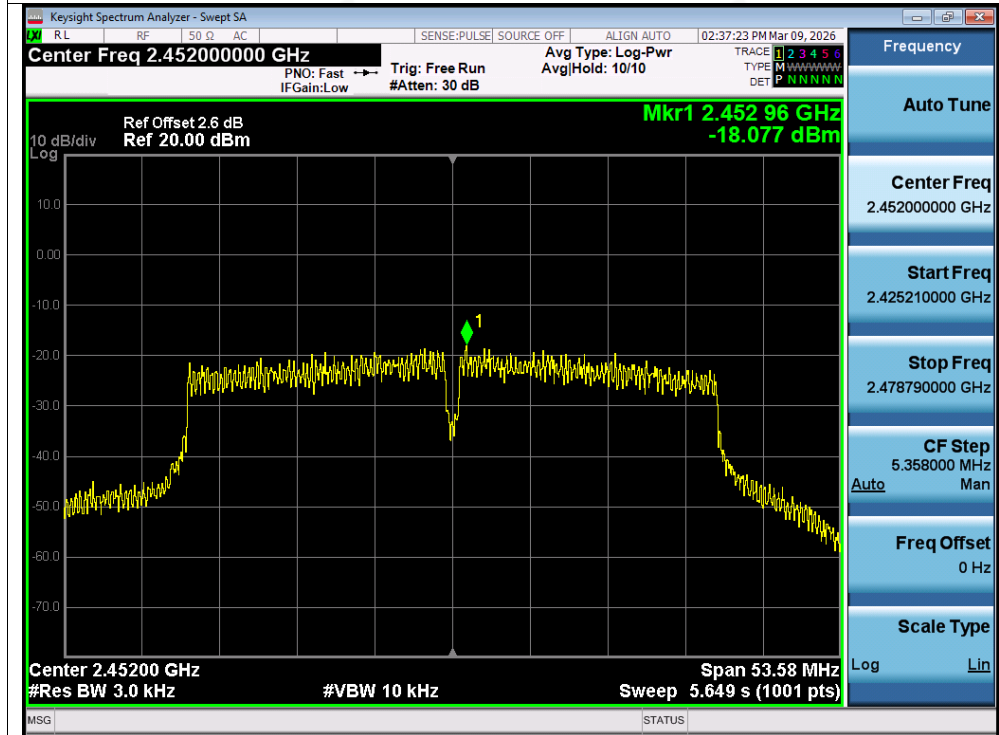




PSD NVNT n40 2437MHz AntA

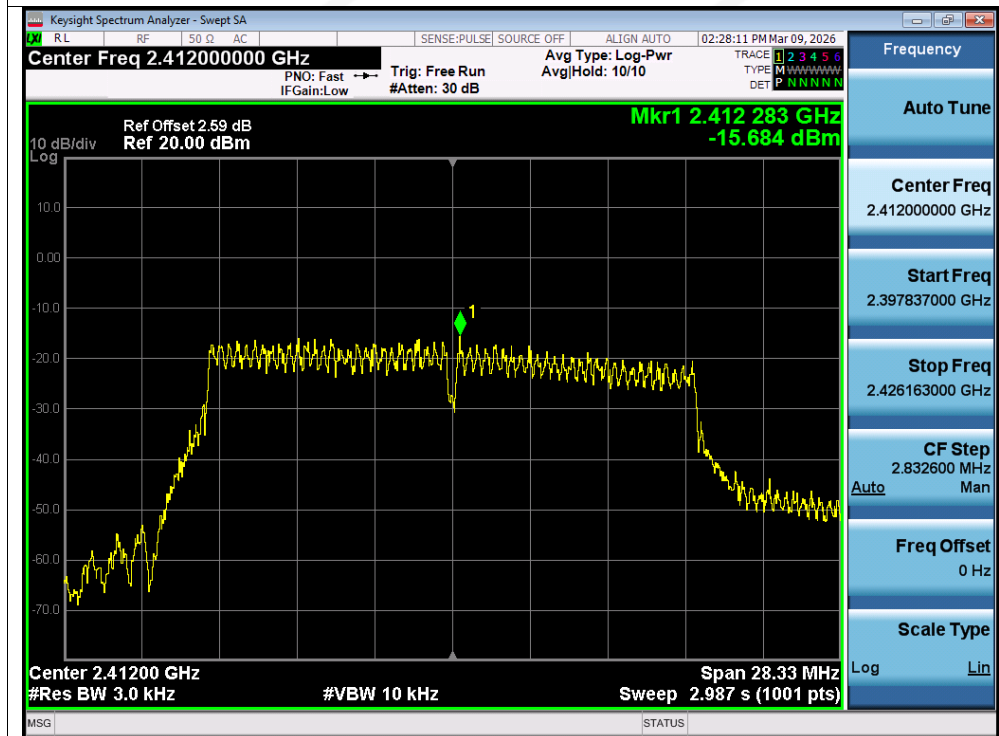


PSD NVNT n40 2452MHz AntA

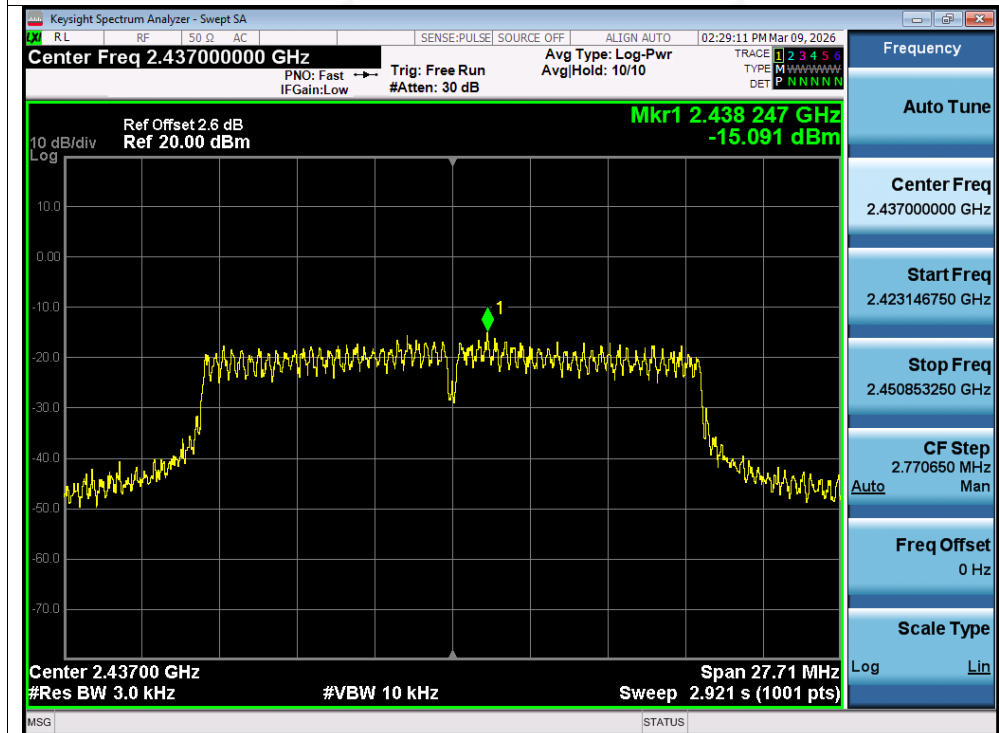




PSD NVNT ax20 2412MHz AntA

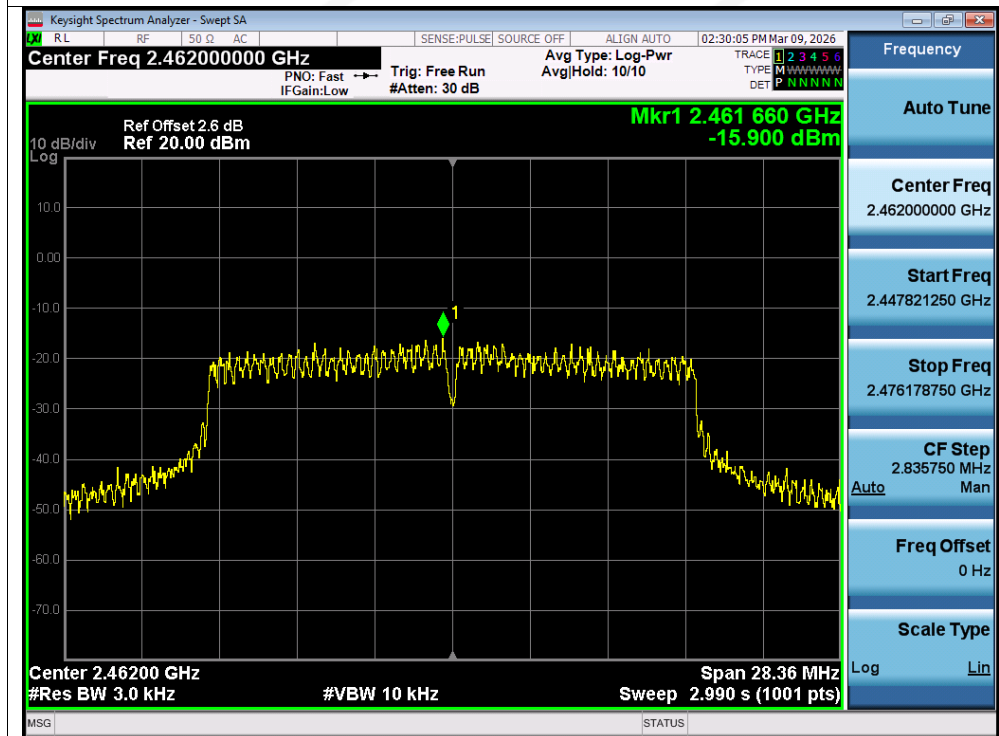


PSD NVNT ax20 2437MHz AntA

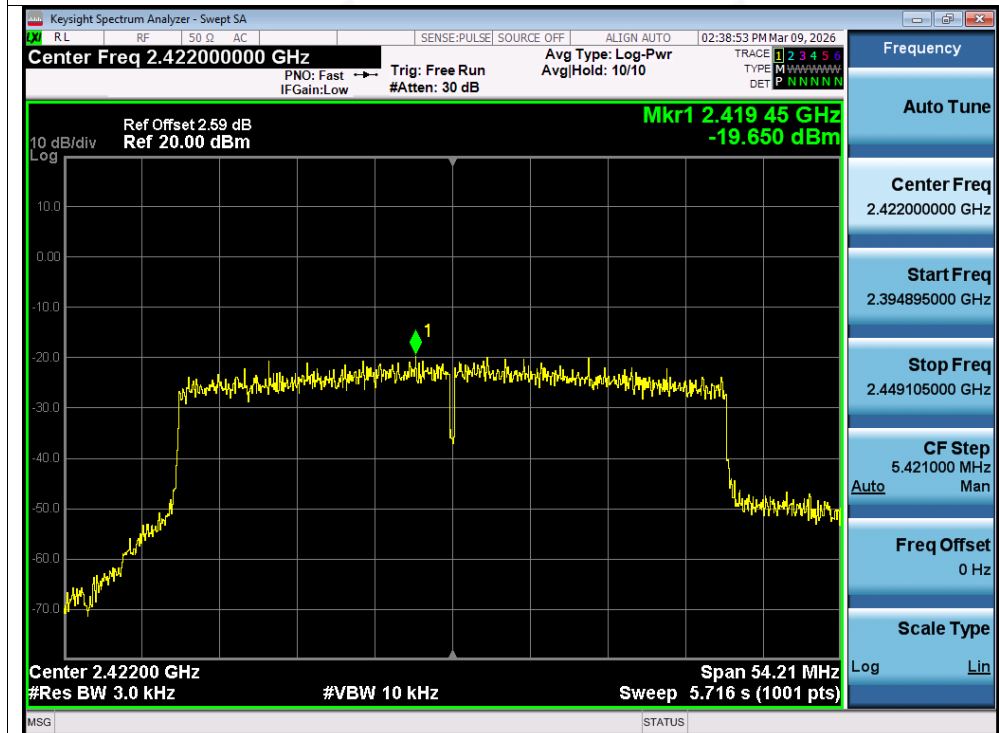




PSD NVNT ax20 2462MHz AntA

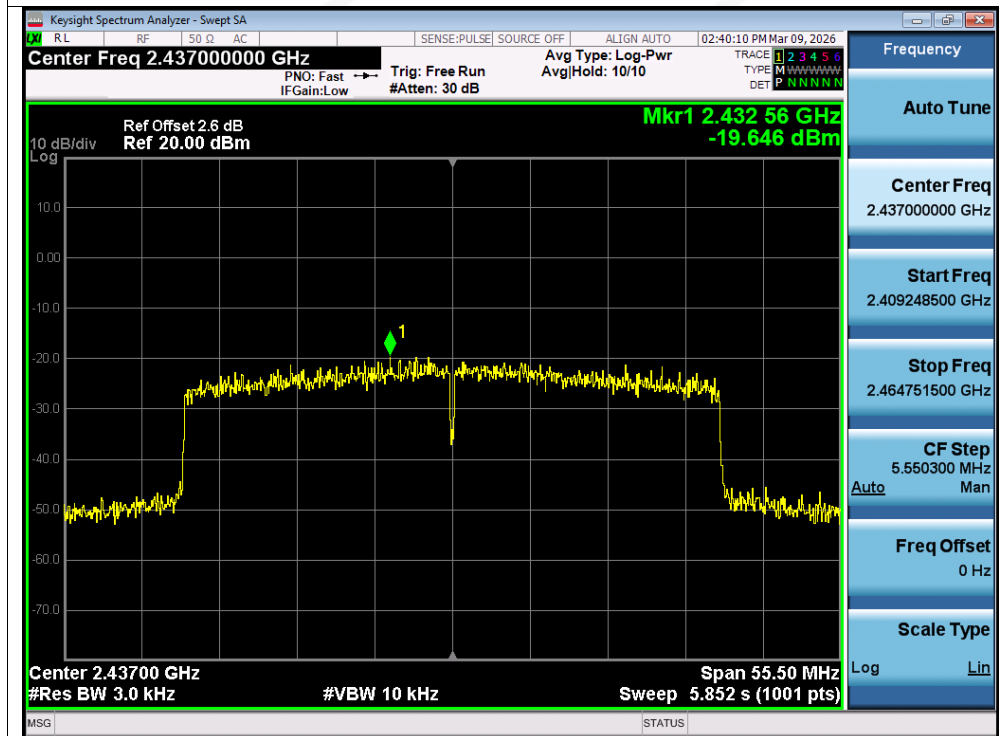


PSD NVNT ax40 2422MHz AntA

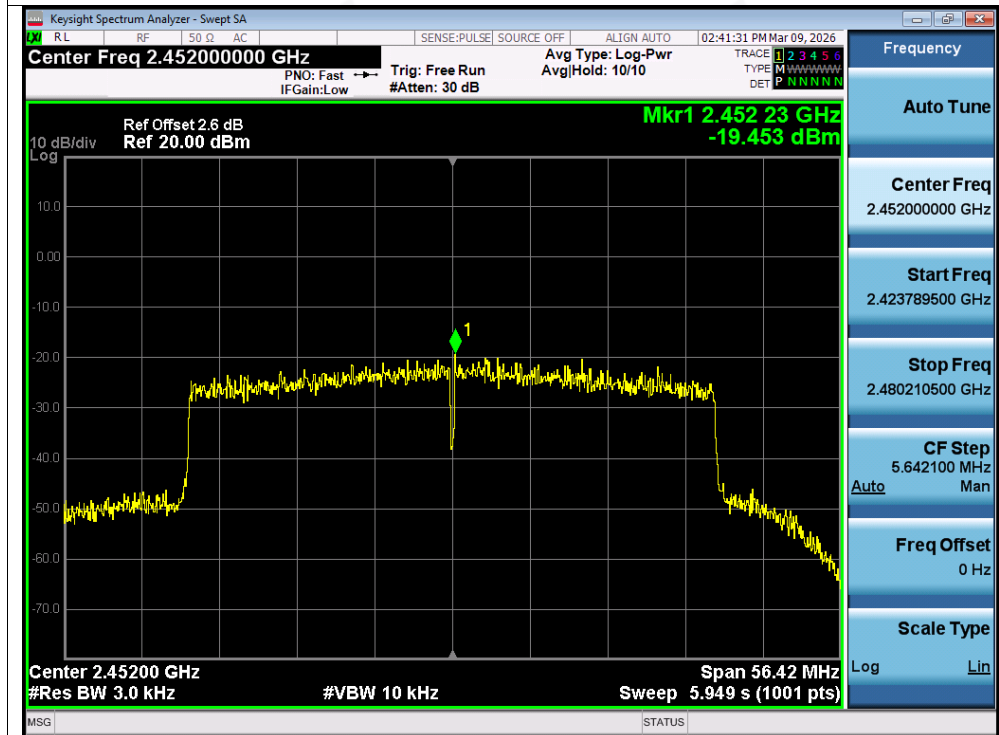




PSD NVNT ax40 2437MHz AntA



PSD NVNT ax40 2452MHz AntA





Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	AntA	-52.3	-20	Pass
		2462		-57.21	-20	Pass
	g	2412		-43.52	-20	Pass
		2462		-52.94	-20	Pass
	n20	2412		-43.58	-20	Pass
		2462		-53.21	-20	Pass
	n40	2422		-35.39	-20	Pass
		2452		-48.48	-20	Pass
	ax20	2412		-43.36	-20	Pass
		2462		-50.55	-20	Pass
	ax40	2422		-35.75	-20	Pass
		2452		-47.62	-20	Pass

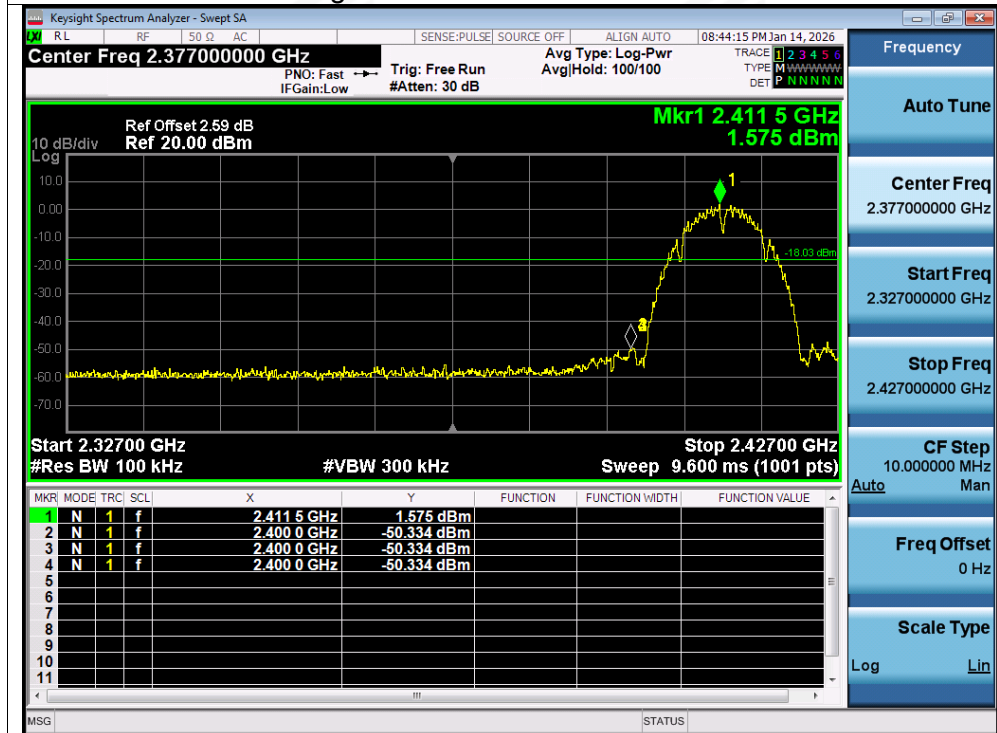


Test Graphs

Band Edge NVNT b 2412MHz AntA Ref



Band Edge NVNT b 2412MHz AntA Emission

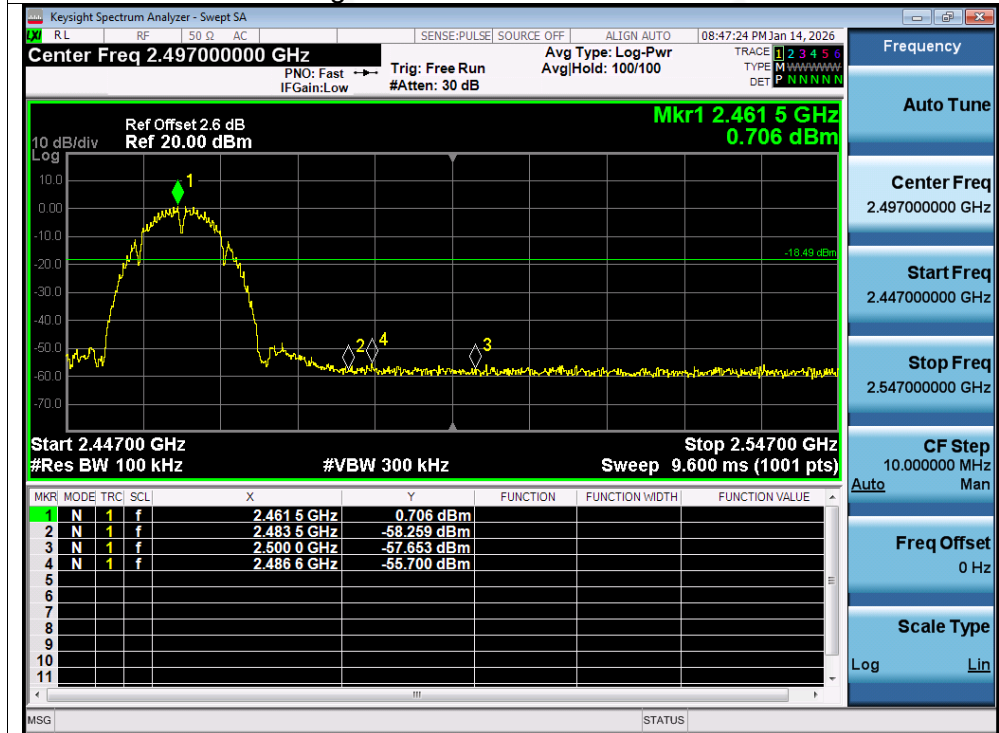




Band Edge NVNT b 2462MHz AntA Ref



Band Edge NVNT b 2462MHz AntA Emission

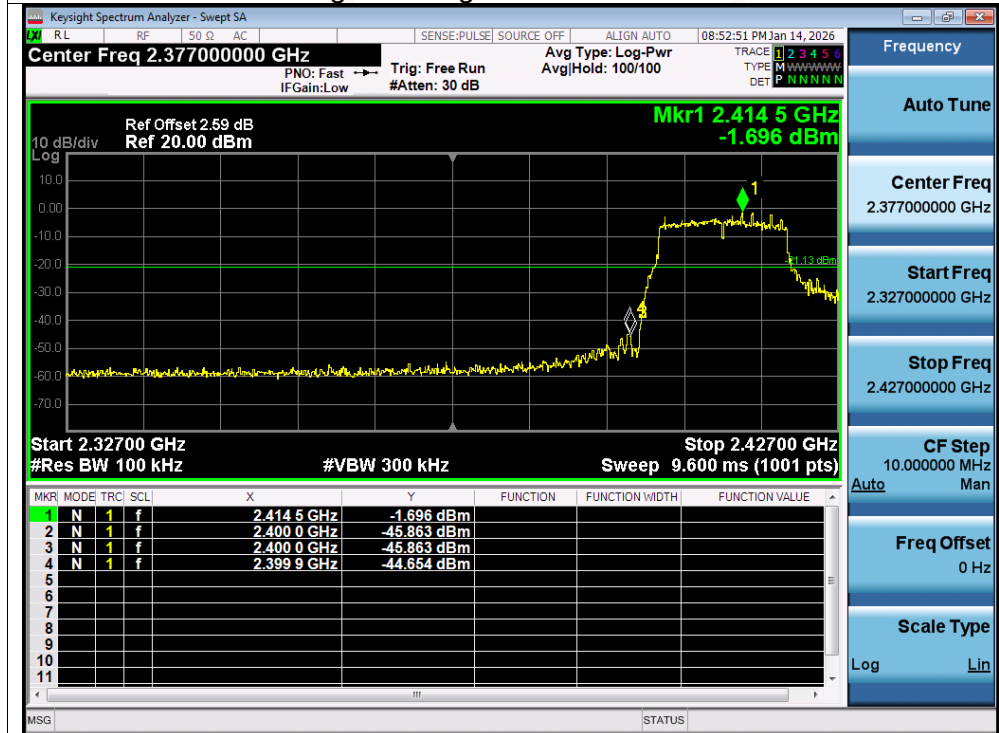




Band Edge NVNT g 2412MHz AntA Ref

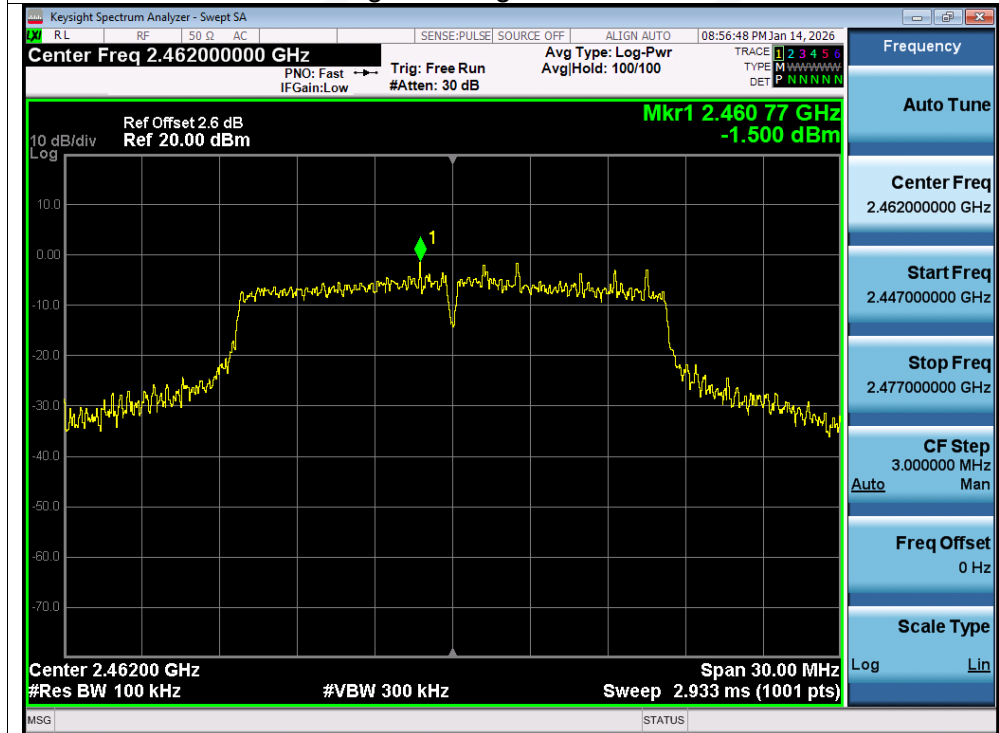


Band Edge NVNT g 2412MHz AntA Emission

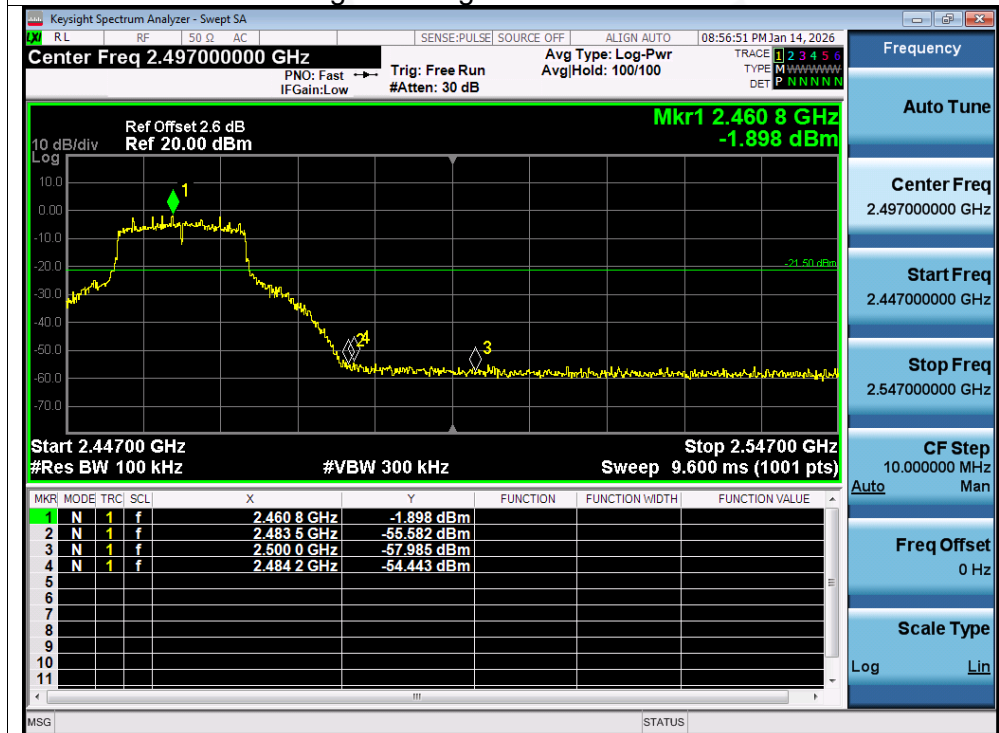




Band Edge NVNT g 2462MHz AntA Ref



Band Edge NVNT g 2462MHz AntA Emission

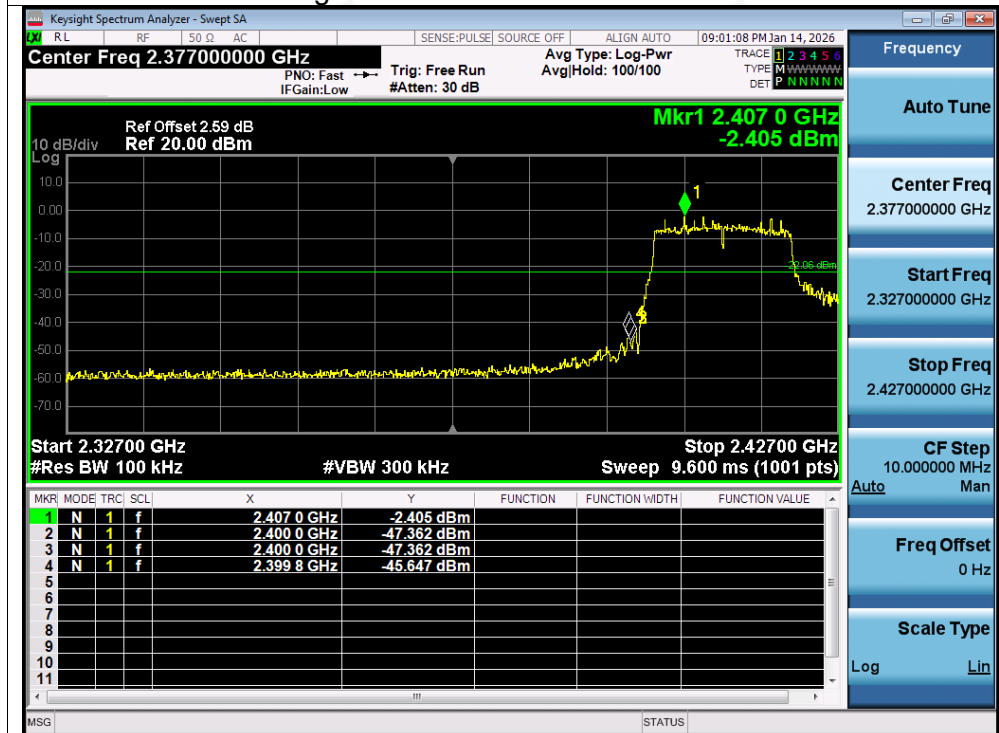




Band Edge NVNT n20 2412MHz AntA Ref



Band Edge NVNT n20 2412MHz AntA Emission





Band Edge NVNT n20 2462MHz AntA Ref



Band Edge NVNT n20 2462MHz AntA Emission

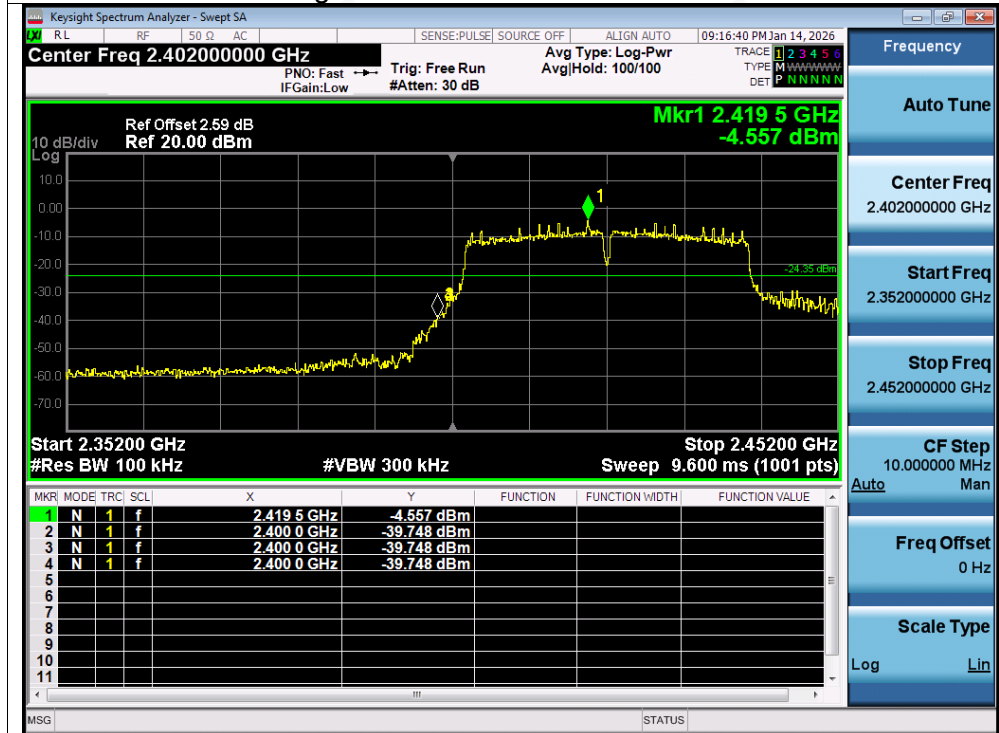




Band Edge NVNT n40 2422MHz AntA Ref



Band Edge NVNT n40 2422MHz AntA Emission

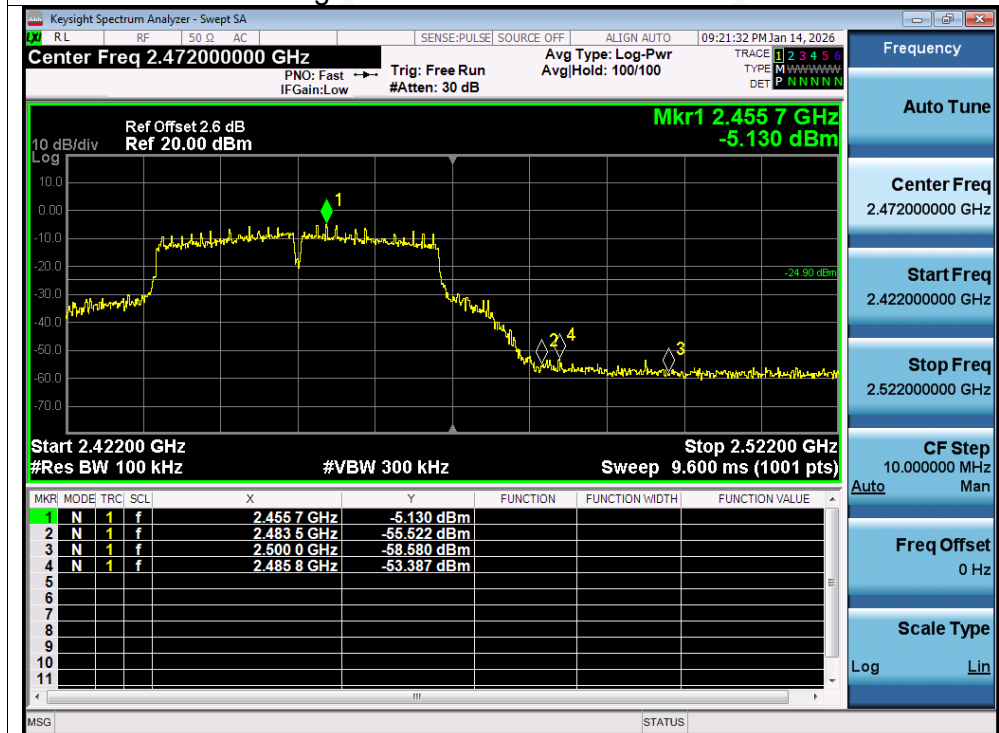




Band Edge NVNT n40 2452MHz AntA Ref



Band Edge NVNT n40 2452MHz AntA Emission

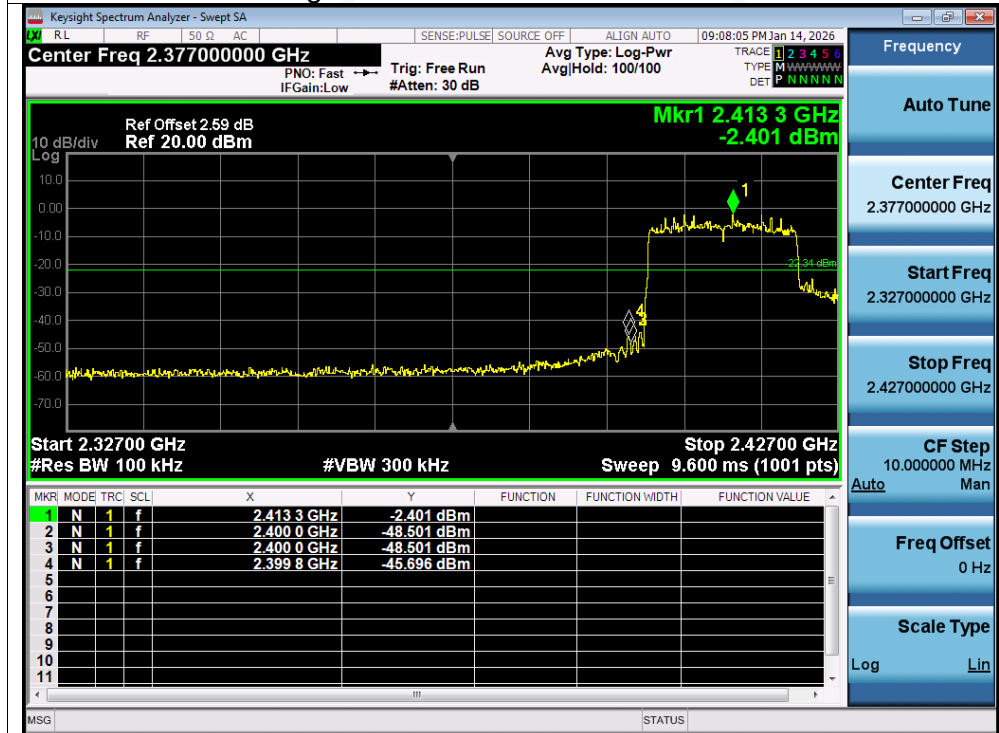




Band Edge NVNT ax20 2412MHz AntA Ref



Band Edge NVNT ax20 2412MHz AntA Emission

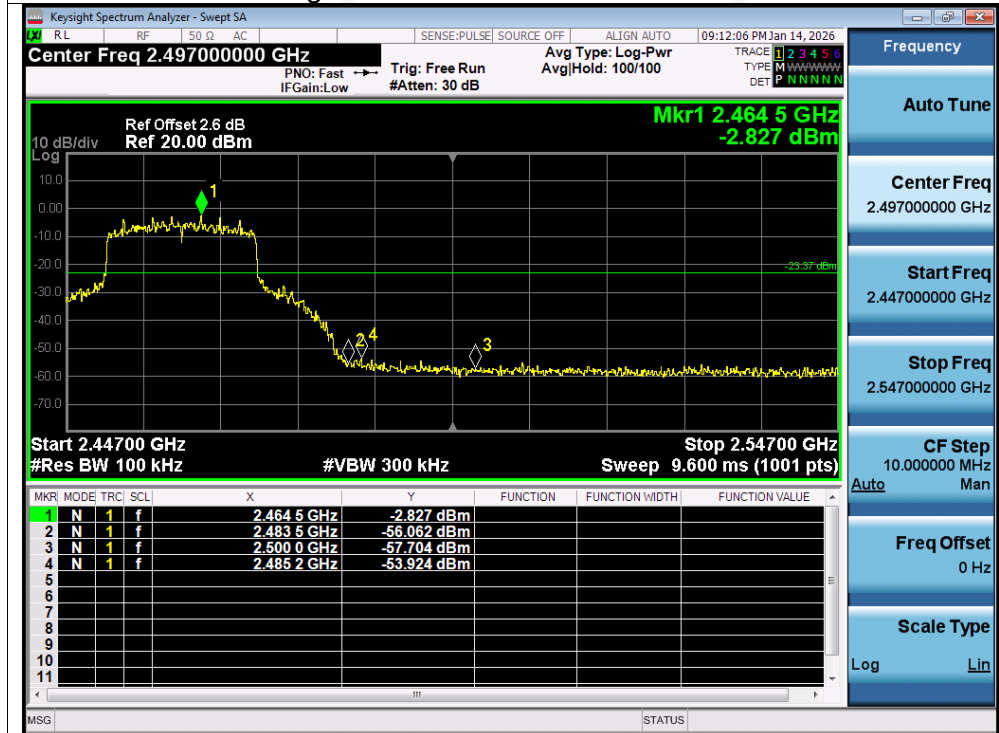




Band Edge NVNT ax20 2462MHz AntA Ref



Band Edge NVNT ax20 2462MHz AntA Emission

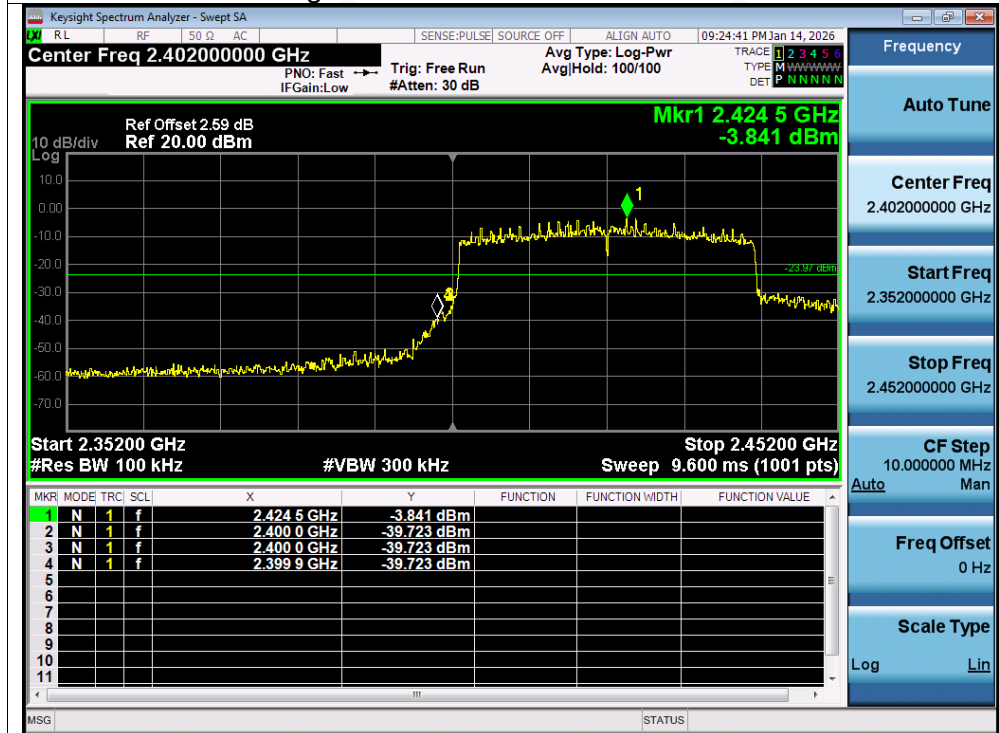




Band Edge NVNT ax40 2422MHz AntA Ref



Band Edge NVNT ax40 2422MHz AntA Emission

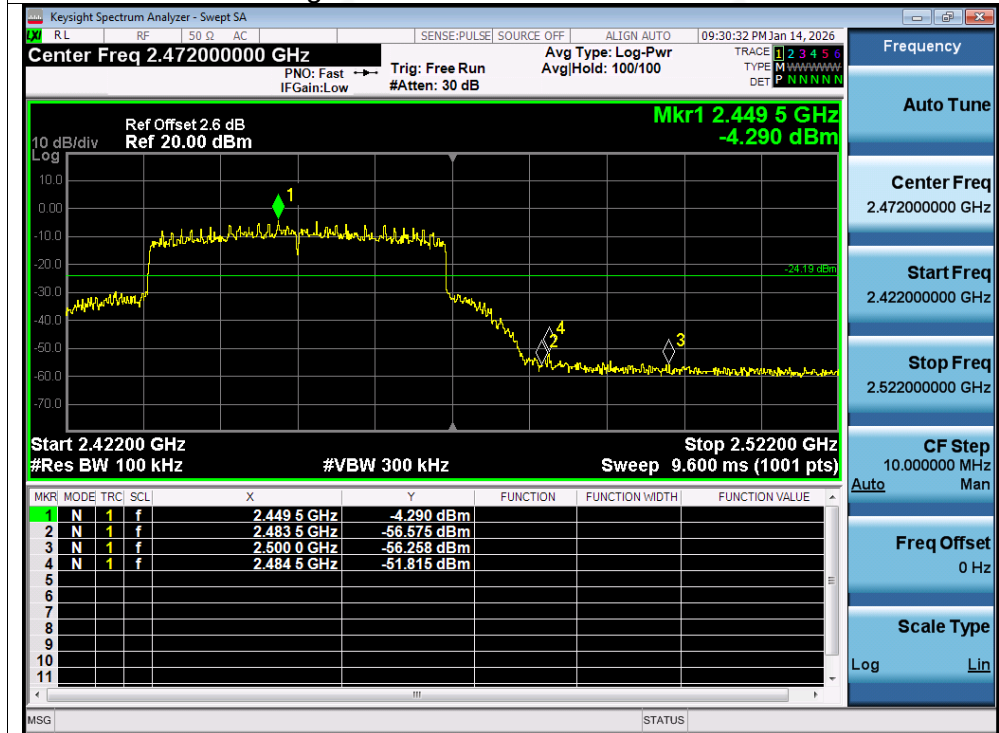




Band Edge NVNT ax40 2452MHz AntA Ref



Band Edge NVNT ax40 2452MHz AntA Emission





Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	AntA	-43.82	-20	Pass
		2437		-43.84	-20	Pass
		2462		-43.04	-20	Pass
	g	2412		-40.64	-20	Pass
		2437		-41.3	-20	Pass
		2462		-40.24	-20	Pass
	n20	2412		-40.71	-20	Pass
		2437		-40.92	-20	Pass
		2462		-38.58	-20	Pass
	n40	2422		-37.05	-20	Pass
		2437		-37.82	-20	Pass
		2452		-37.07	-20	Pass
	ax20	2412		-40.09	-20	Pass
		2437		-40.01	-20	Pass
		2462		-37.89	-20	Pass
	ax40	2422		-38.27	-20	Pass
		2437		-38.42	-20	Pass
		2452		-37.36	-20	Pass

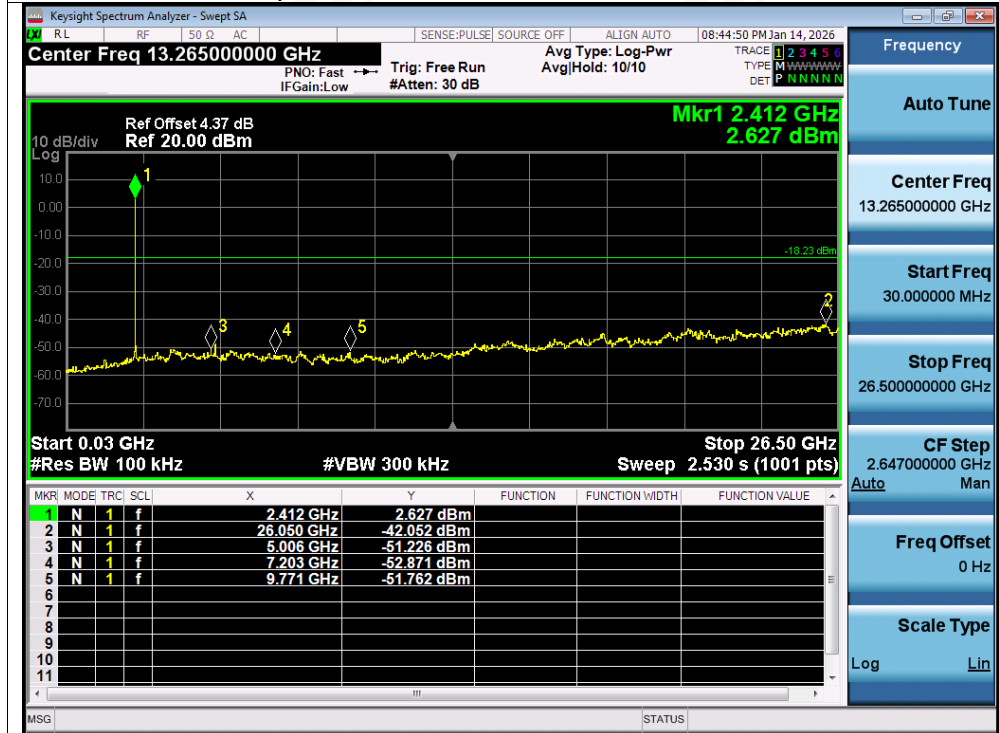


Test Graphs

Tx. Spurious NVNT b 2412MHz AntA Ref



Tx. Spurious NVNT b 2412MHz AntA Emission

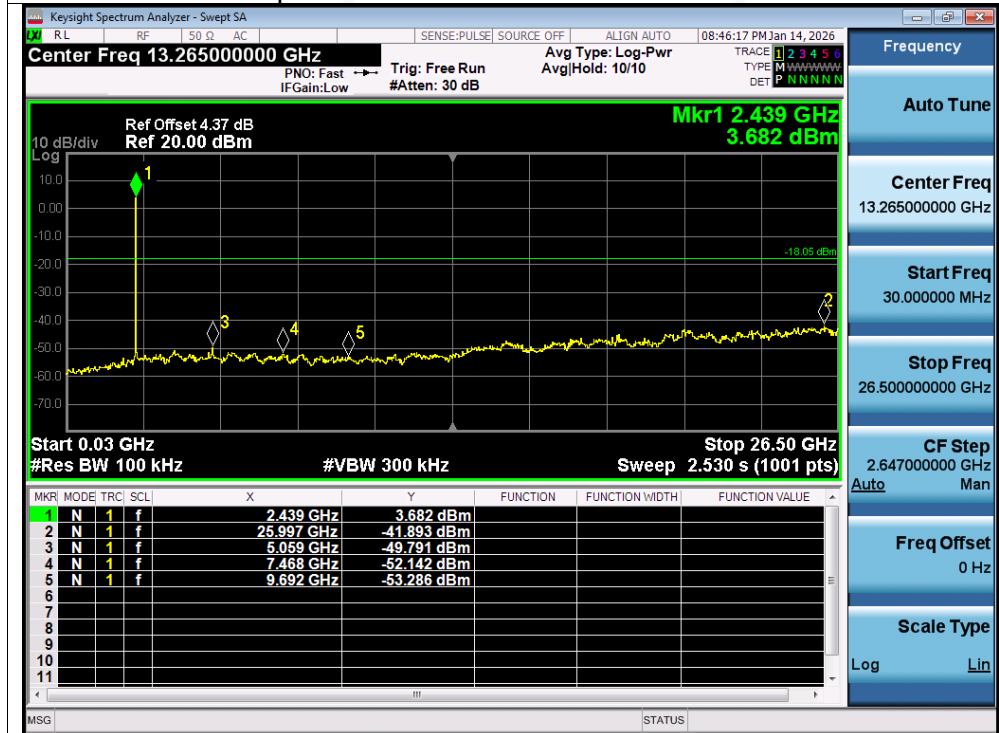




Tx. Spurious NVNT b 2437MHz AntA Ref



Tx. Spurious NVNT b 2437MHz AntA Emission

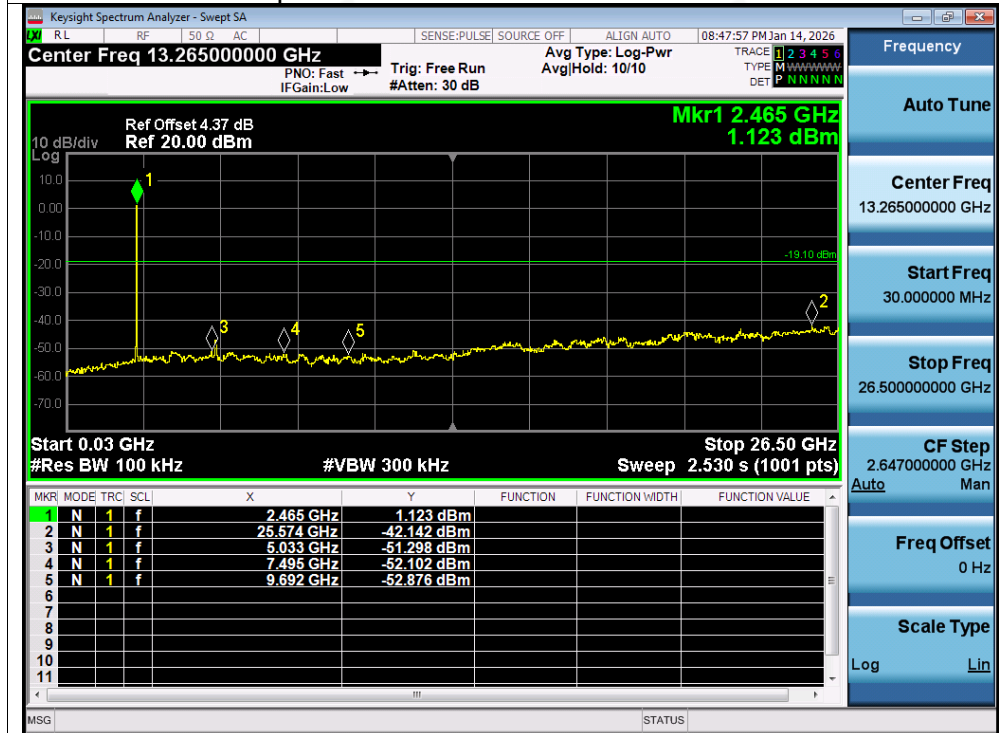




Tx. Spurious NVNT b 2462MHz AntA Ref



Tx. Spurious NVNT b 2462MHz AntA Emission

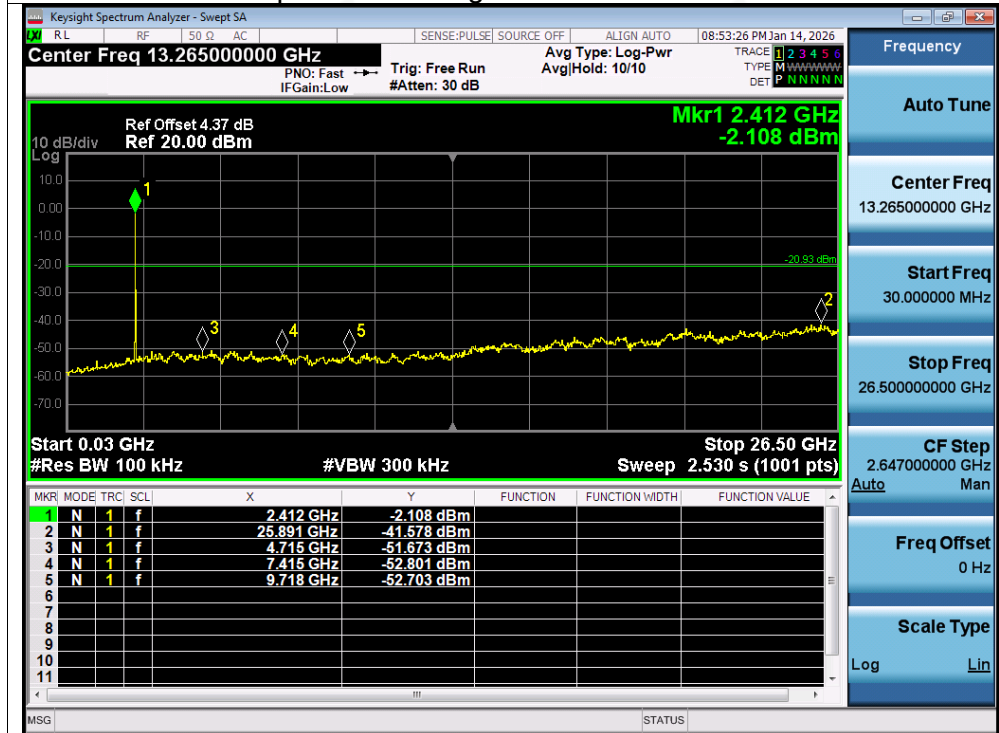




Tx. Spurious NVNT g 2412MHz AntA Ref



Tx. Spurious NVNT g 2412MHz AntA Emission

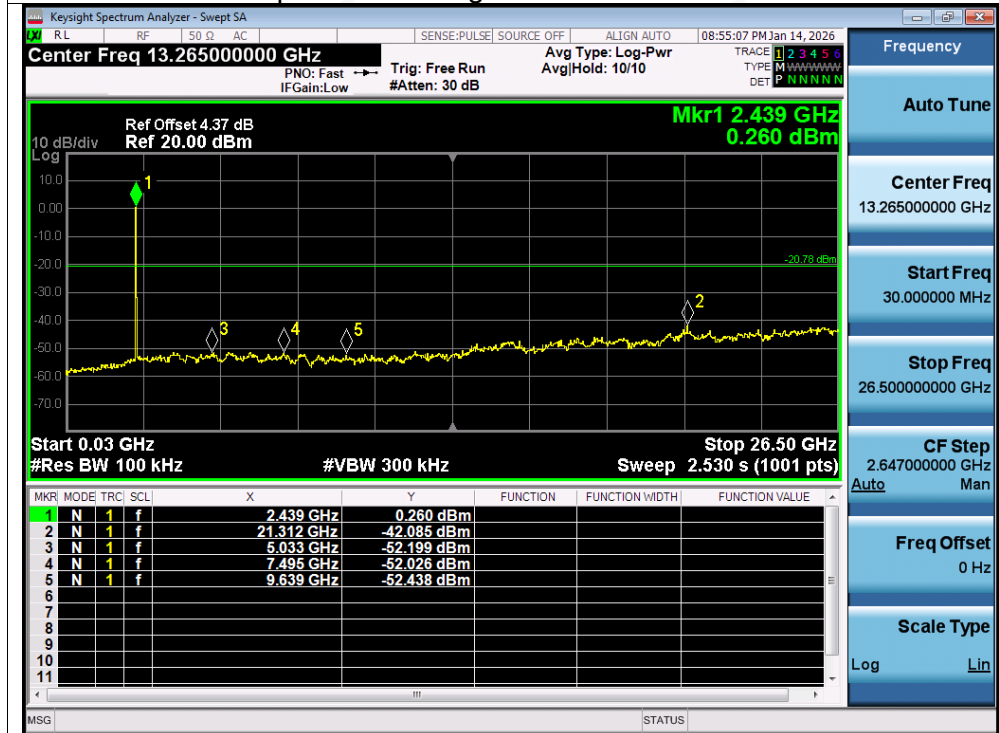




Tx. Spurious NVNT g 2437MHz AntA Ref



Tx. Spurious NVNT g 2437MHz AntA Emission

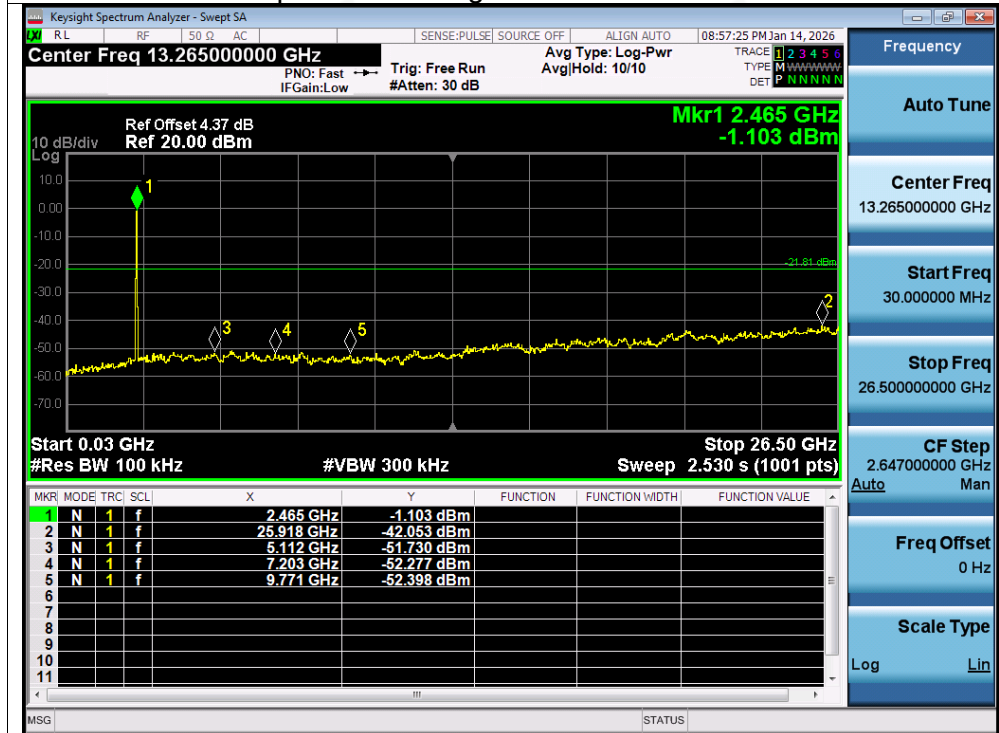




Tx. Spurious NVNT g 2462MHz AntA Ref



Tx. Spurious NVNT g 2462MHz AntA Emission

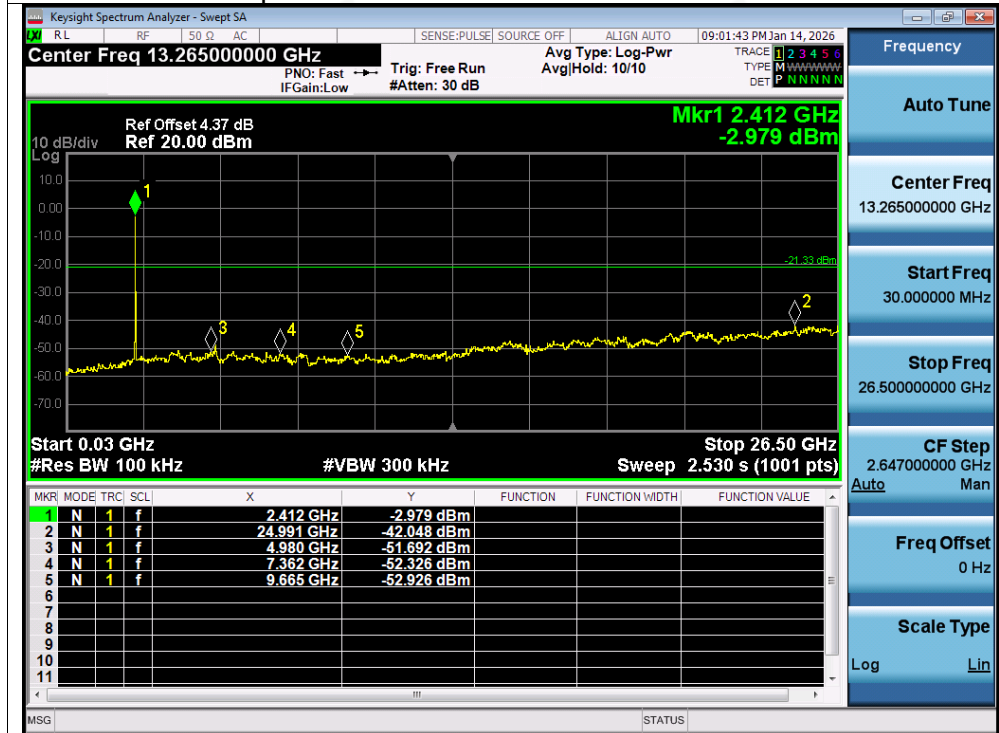




Tx. Spurious NVNT n20 2412MHz AntA Ref

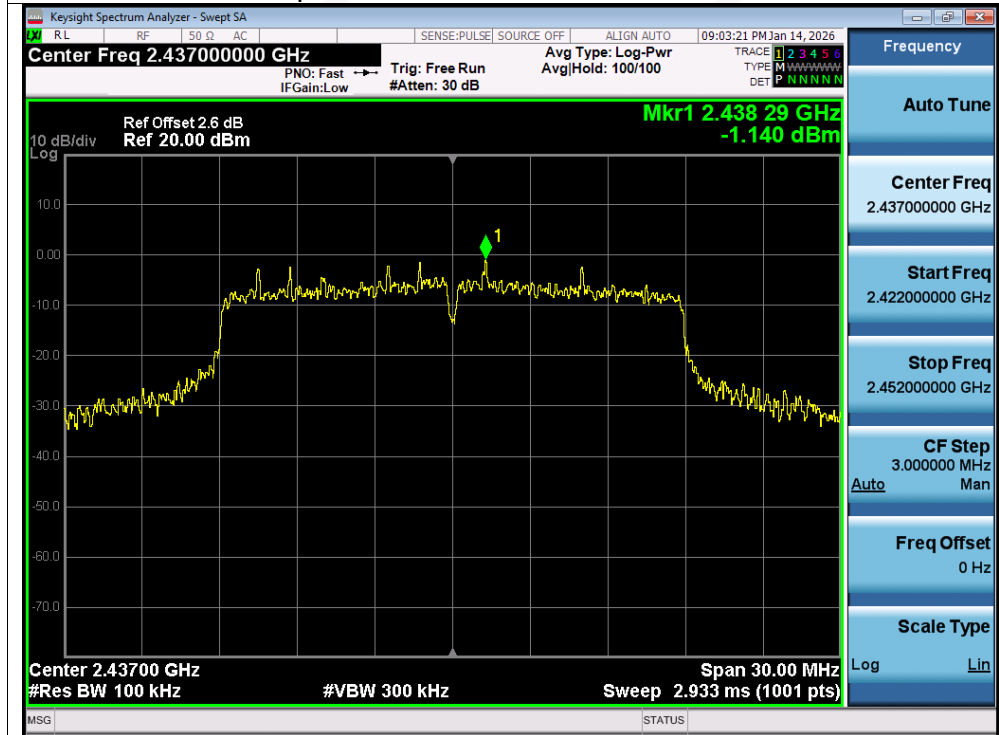


Tx. Spurious NVNT n20 2412MHz AntA Emission

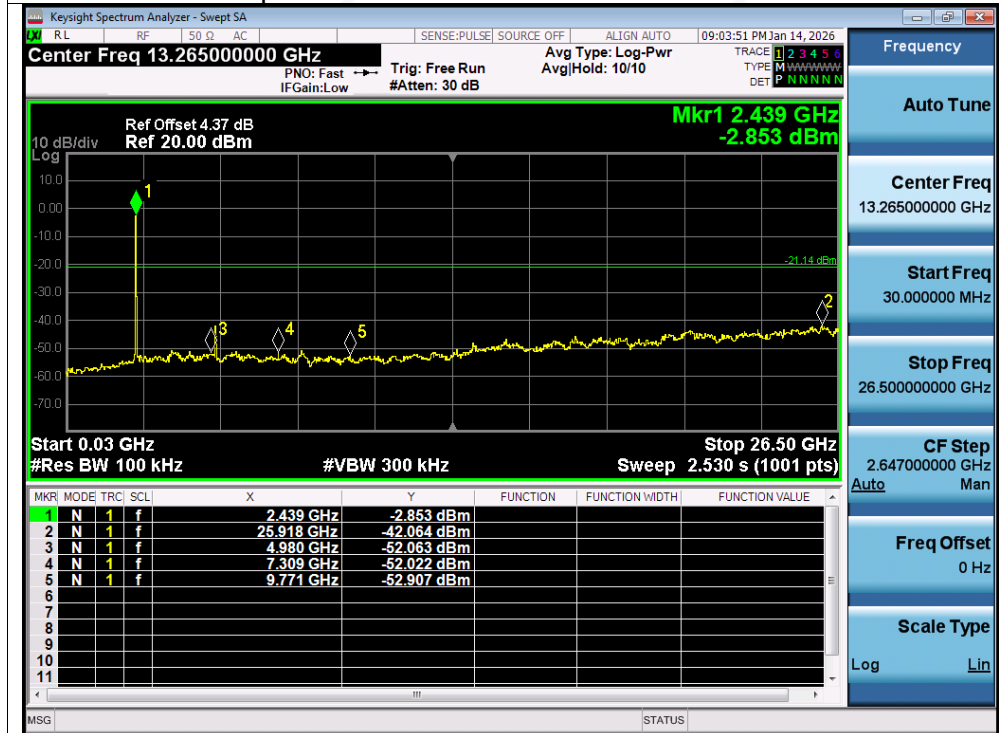




Tx. Spurious NVNT n20 2437MHz AntA Ref



Tx. Spurious NVNT n20 2437MHz AntA Emission

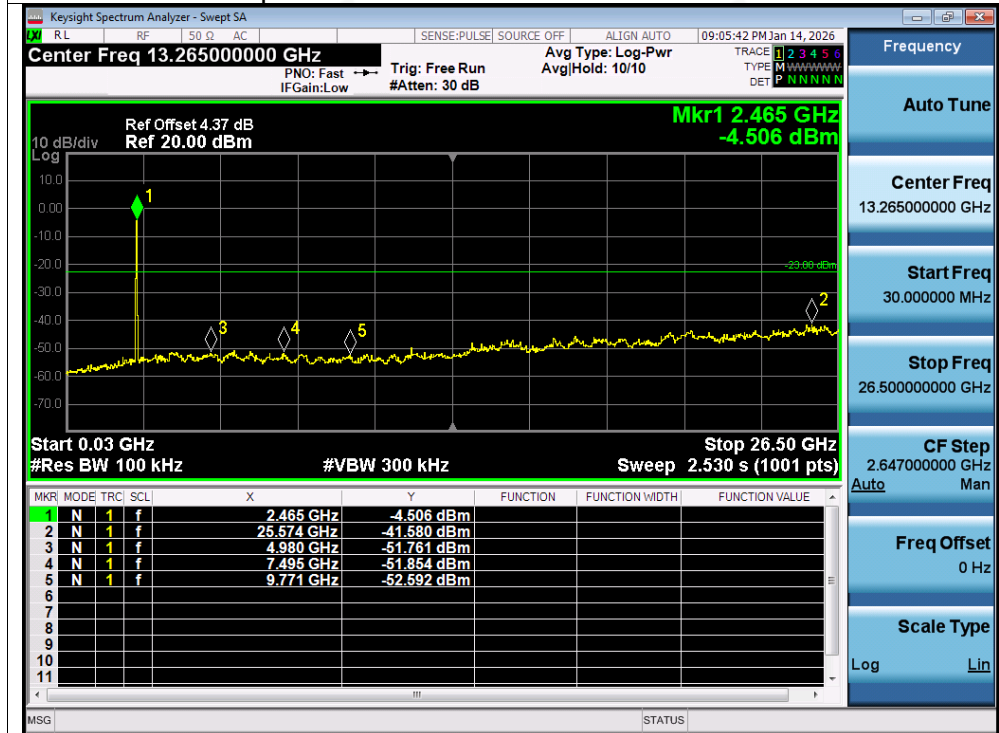




Tx. Spurious NVNT n20 2462MHz AntA Ref



Tx. Spurious NVNT n20 2462MHz AntA Emission

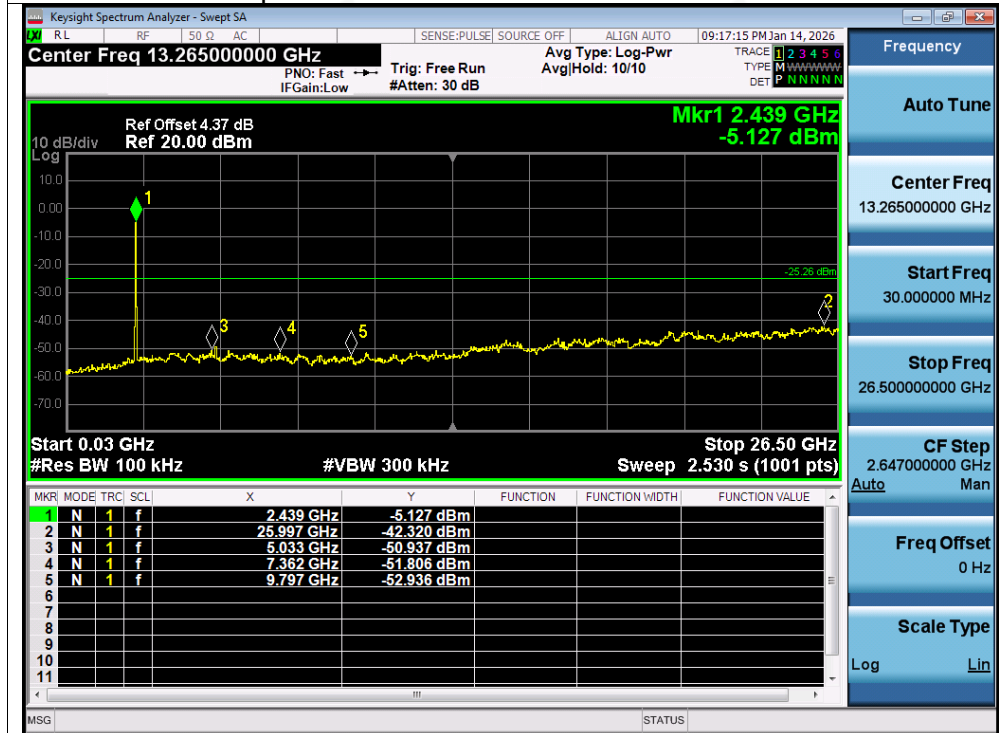




Tx. Spurious NVNT n40 2422MHz AntA Ref



Tx. Spurious NVNT n40 2422MHz AntA Emission





Tx. Spurious NVNT n40 2437MHz AntA Ref



Tx. Spurious NVNT n40 2437MHz AntA Emission

