

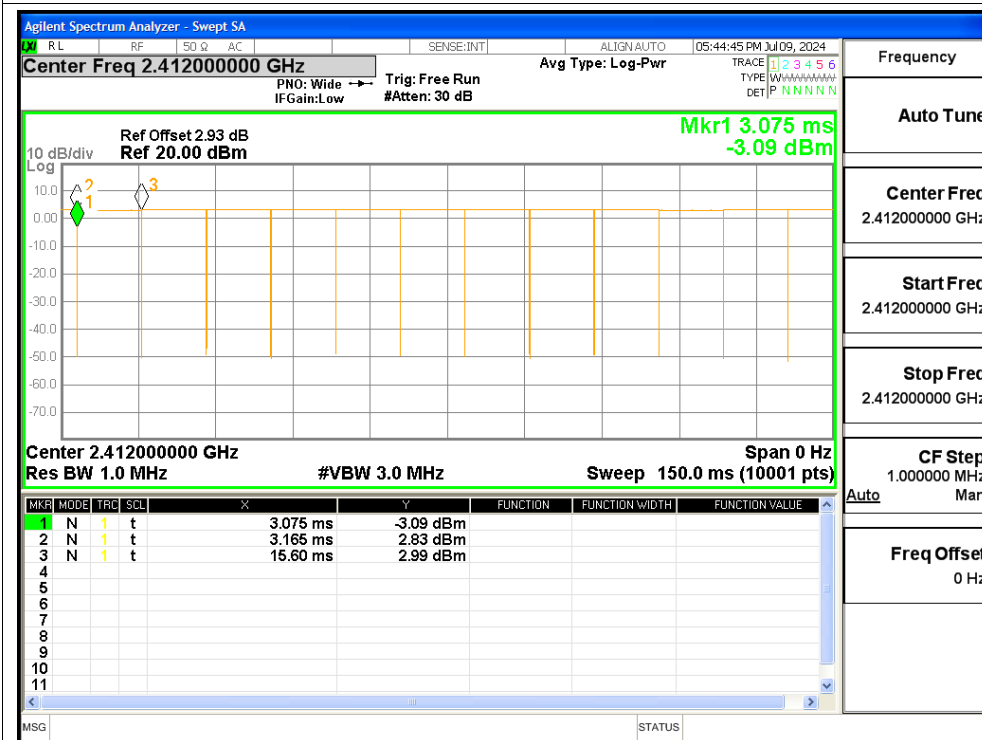
GTSL2024070002F04 Appendix

Duty Cycle

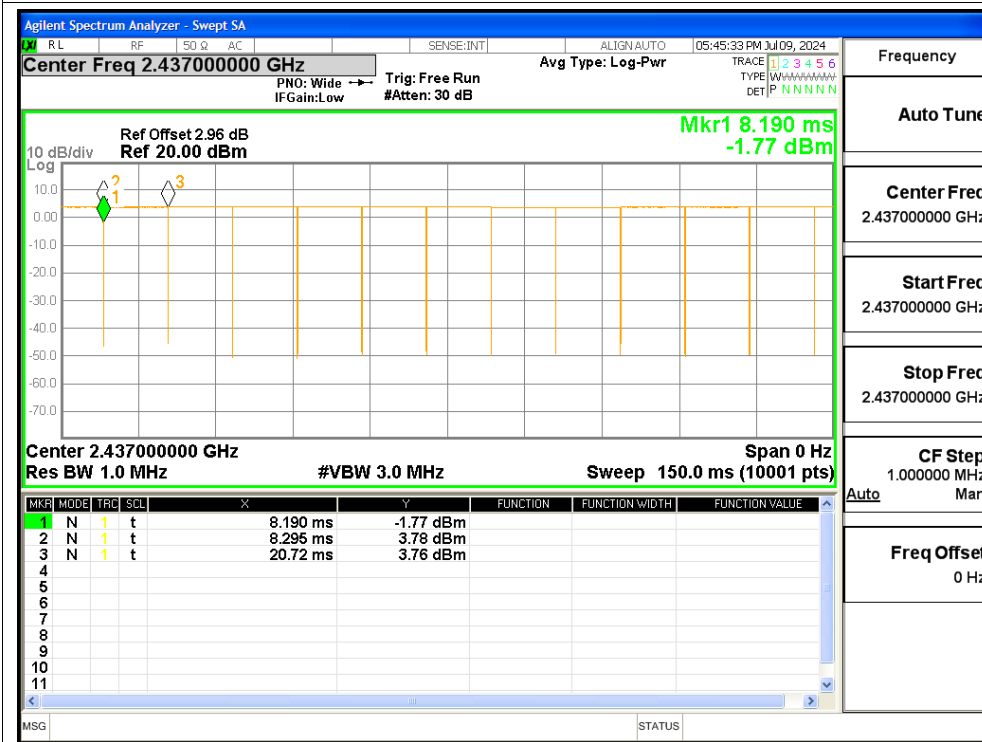
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.28	0	0.08
		2437		99.16	0	0.08
		2462		99.04	0	0.08
	g	2412		95.03	0.22	0.48
		2437		95.21	0.21	0.48
		2462		95.12	0.22	0.48
	n20	2412		94.88	0.23	0.52
		2437		94.78	0.23	0.52
		2462		94.78	0.23	0.52
	n40	2422		91.07	0.41	1.05
		2437		90.65	0.43	1.05
		2452		89.88	0.46	1.05

Test Graphs

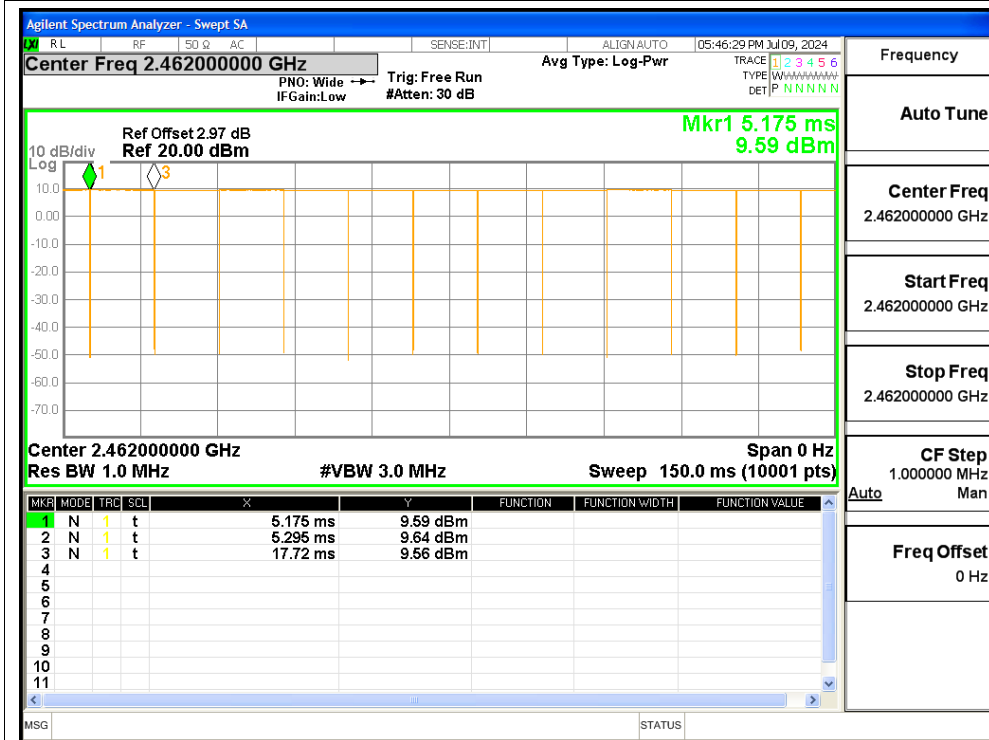
Duty Cycle NVNT b 2412MHz Ant1



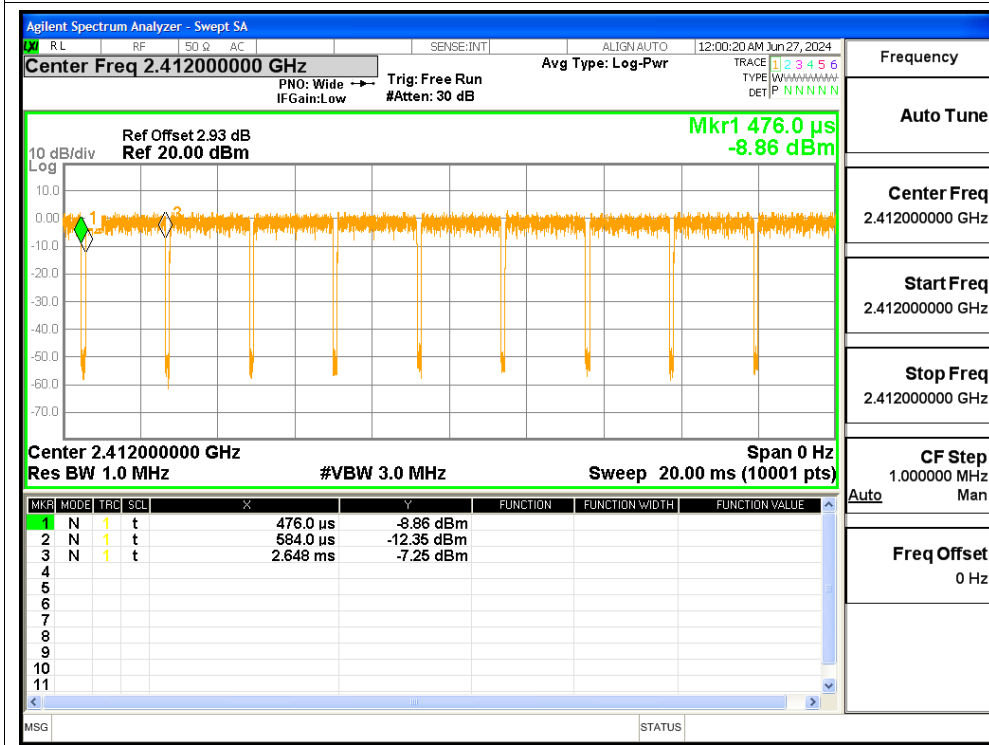
Duty Cycle NVNT b 2437MHz Ant1



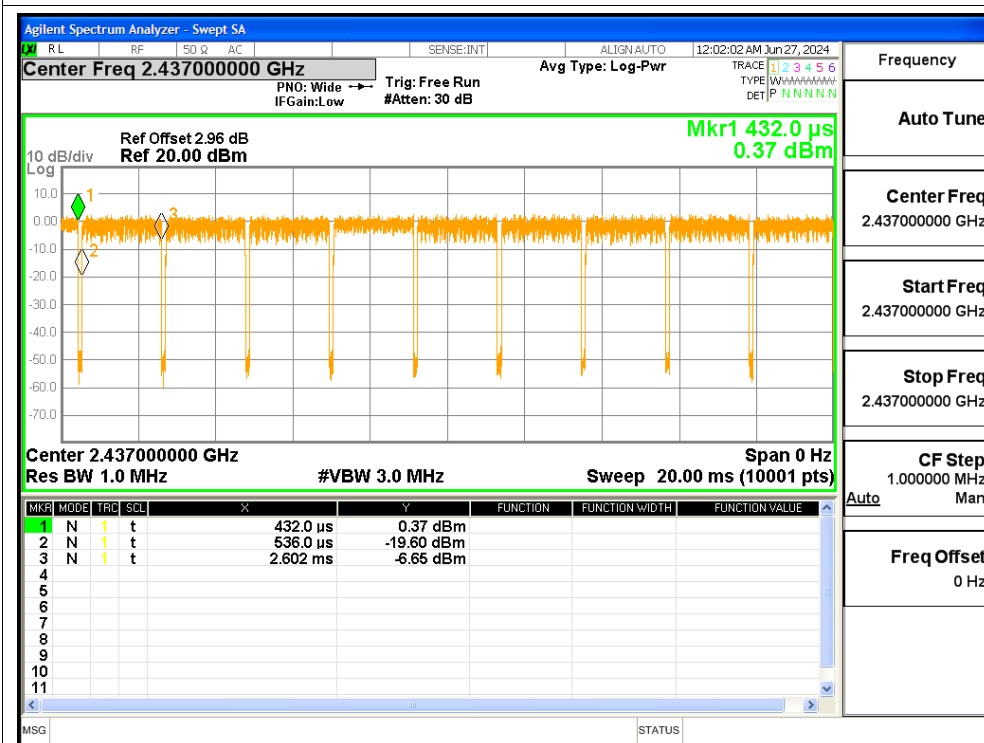
Duty Cycle NVNT b 2462MHz Ant1



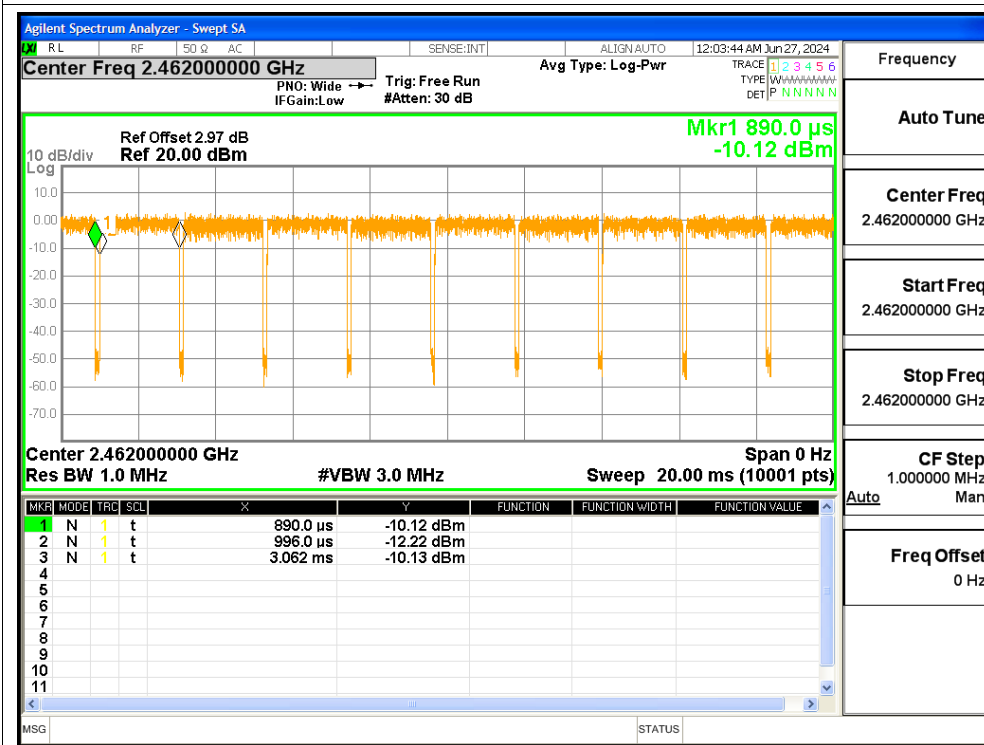
Duty Cycle NVNT g 2412MHz Ant1



Duty Cycle NVNT g 2437MHz Ant1



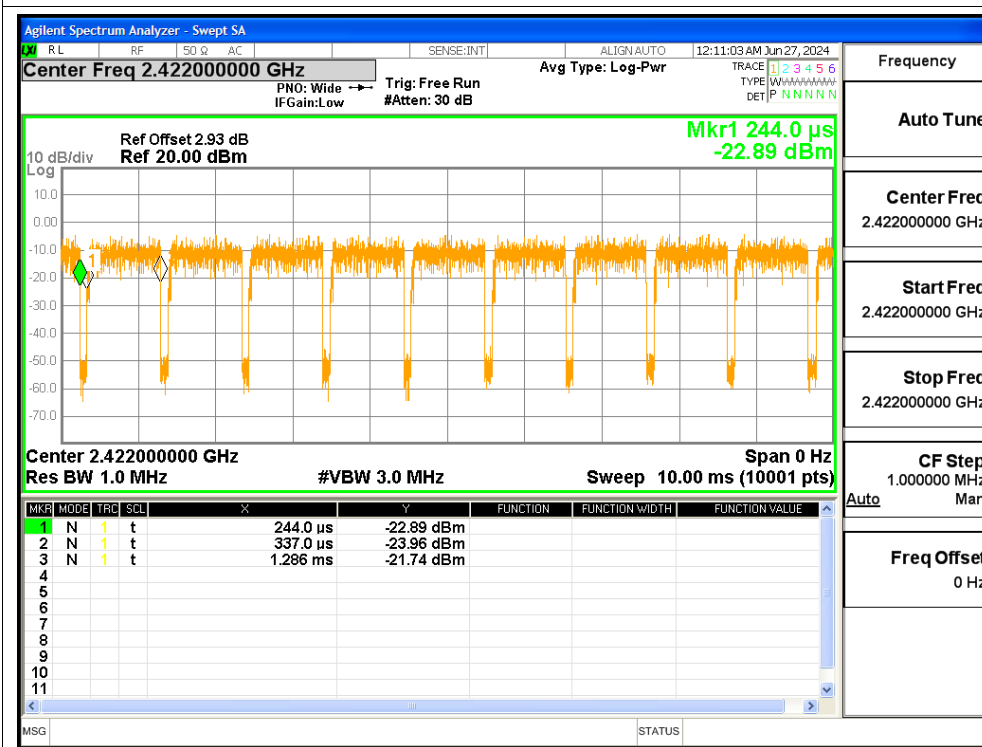
Duty Cycle NVNT g 2462MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1



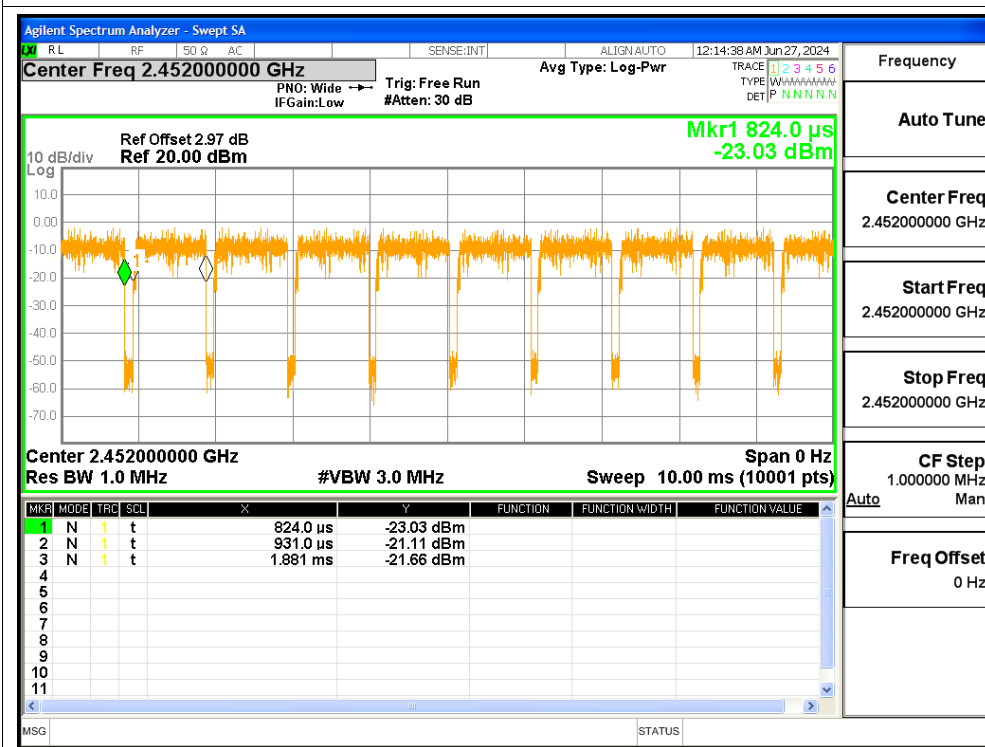
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1



Maximum Conducted Output Power

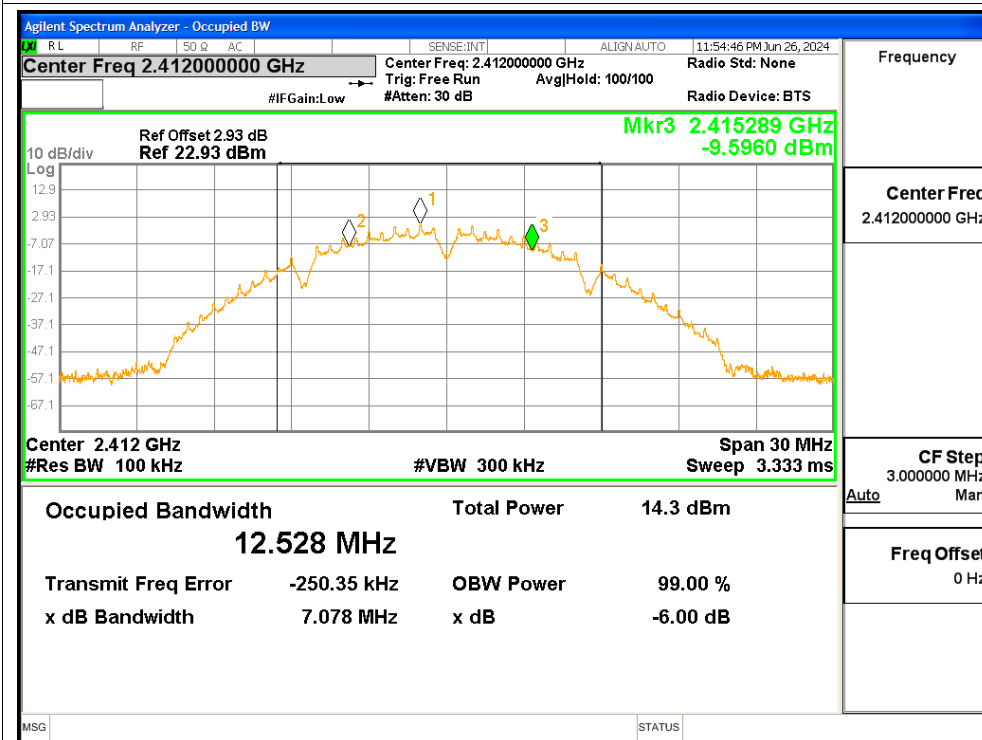
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	8.23	0	8.23	30	Pass
		2437		9.25	0	9.25	30	Pass
		2462		8.25	0	8.25	30	Pass
	g	2412		7.07	0	7.07	30	Pass
		2437		7.73	0	7.73	30	Pass
		2462		7.65	0	7.65	30	Pass
	n20	2412		6.9	0	6.9	30	Pass
		2437		7.52	0	7.52	30	Pass
		2462		7.45	0	7.45	30	Pass
	n40	2422		7.63	0	7.63	30	Pass
		2437		8.15	0	8.15	30	Pass
		2452		8	0	8	30	Pass

-6dB Bandwidth

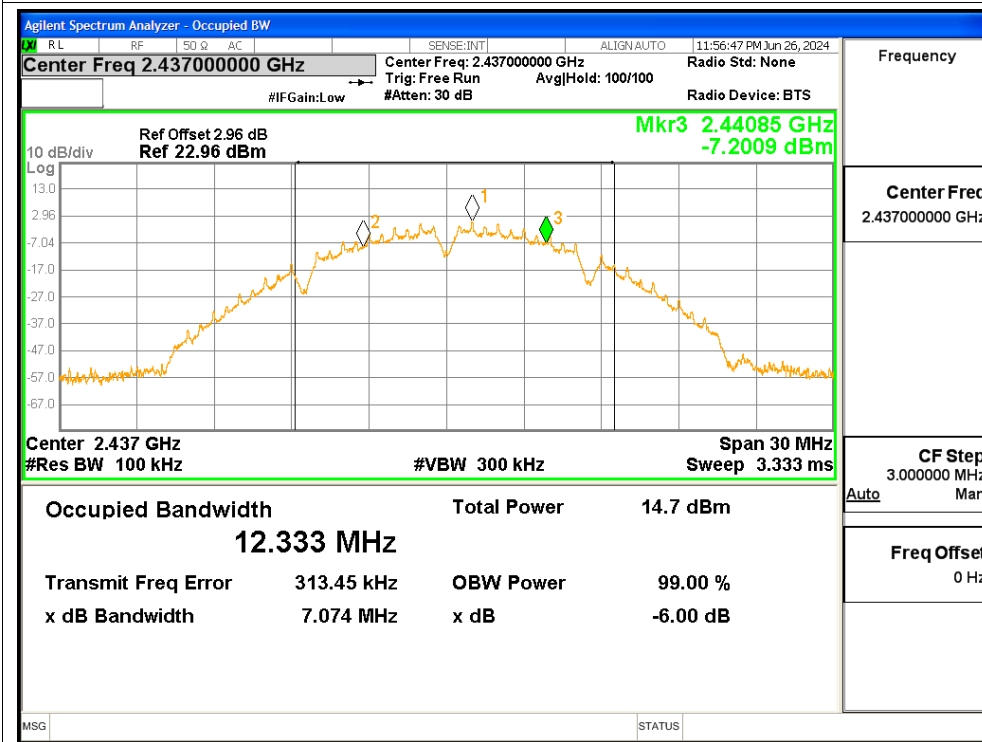
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.078	0.5	Pass
		2437		7.074	0.5	Pass
		2462		8.042	0.5	Pass
	g	2412		12.967	0.5	Pass
		2437		13.171	0.5	Pass
		2462		16.048	0.5	Pass
	n20	2412		15.865	0.5	Pass
		2437		13.829	0.5	Pass
		2462		17.165	0.5	Pass
	n40	2422		36.064	0.5	Pass
		2437		23.793	0.5	Pass
		2452		35.058	0.5	Pass

Test Graphs

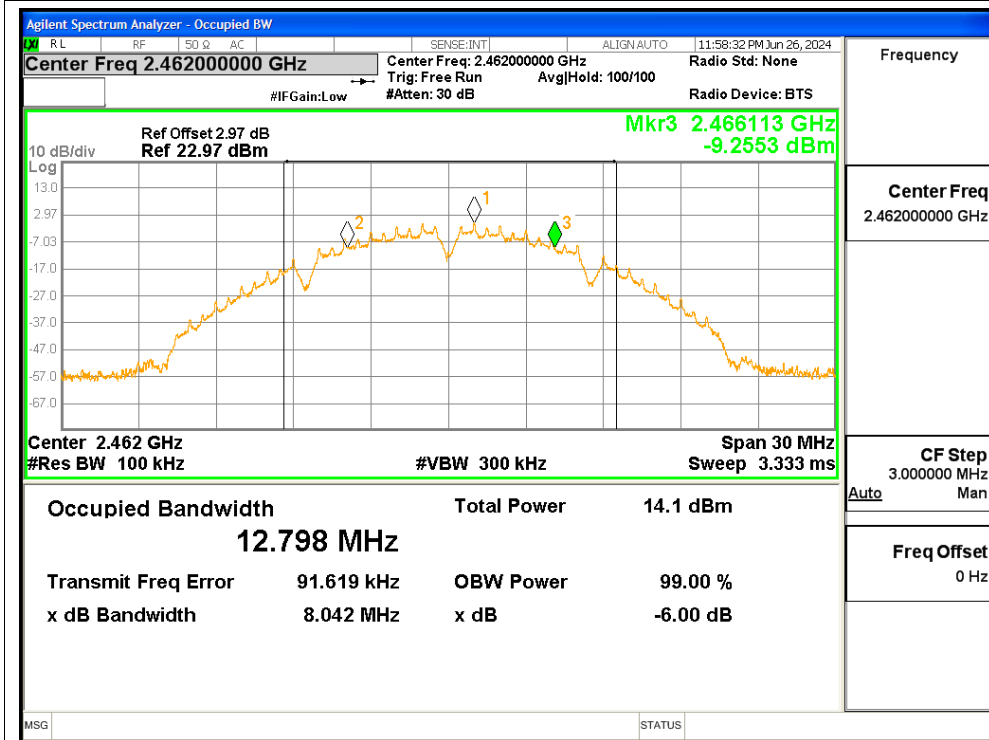
-6dB Bandwidth NVNT b 2412MHz Ant1



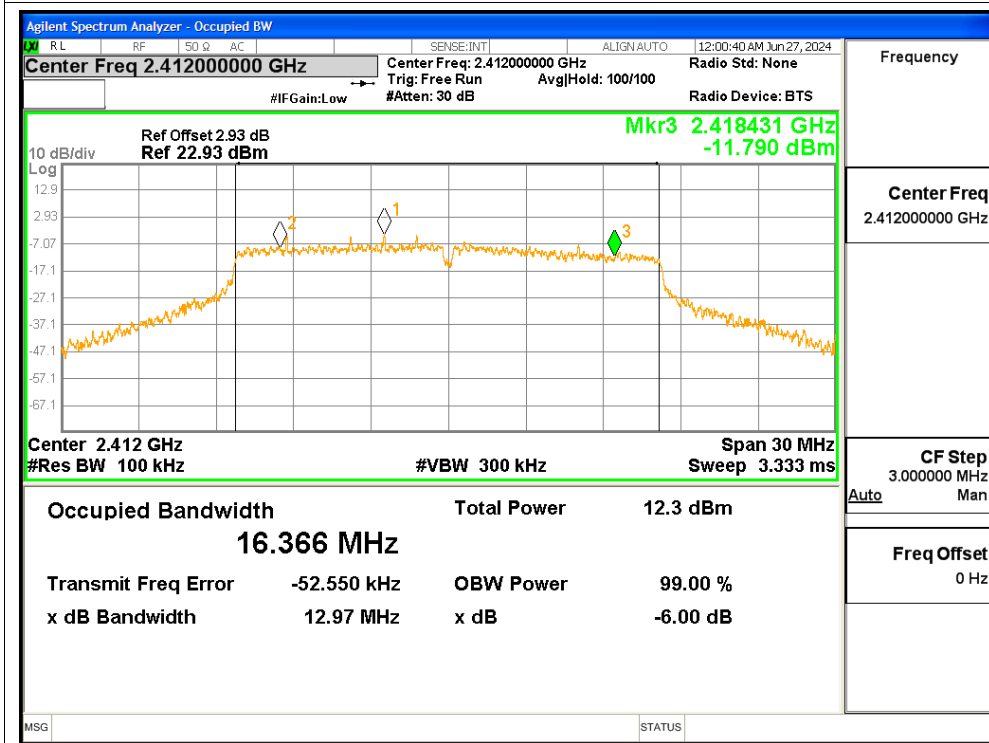
-6dB Bandwidth NVNT b 2437MHz Ant1



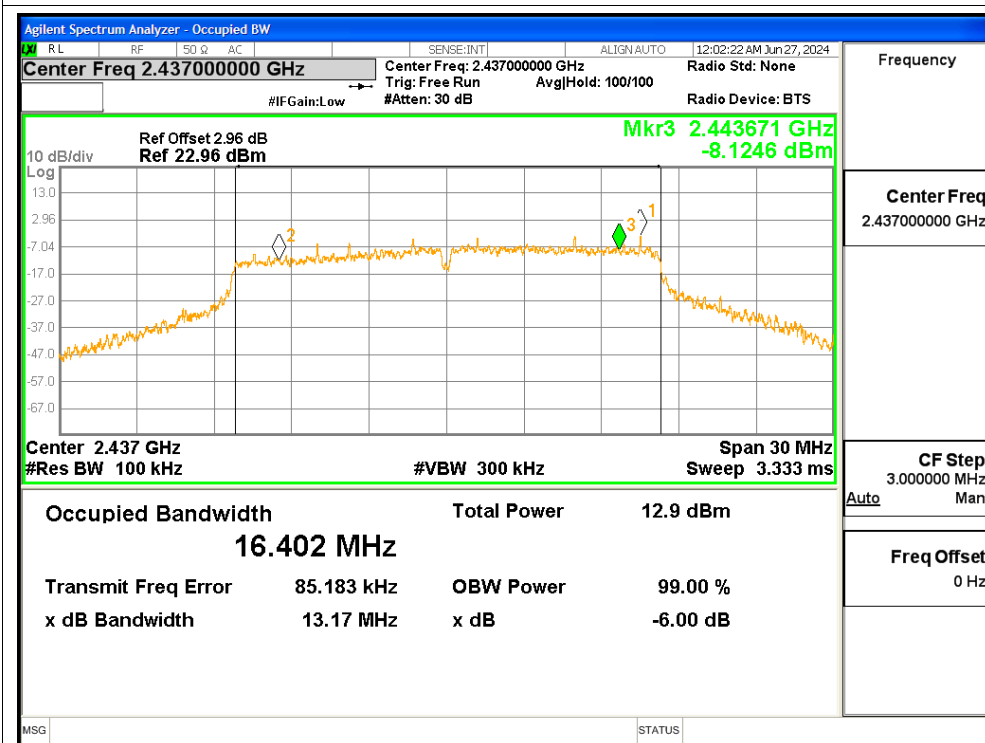
-6dB Bandwidth NVNT b 2462MHz Ant1



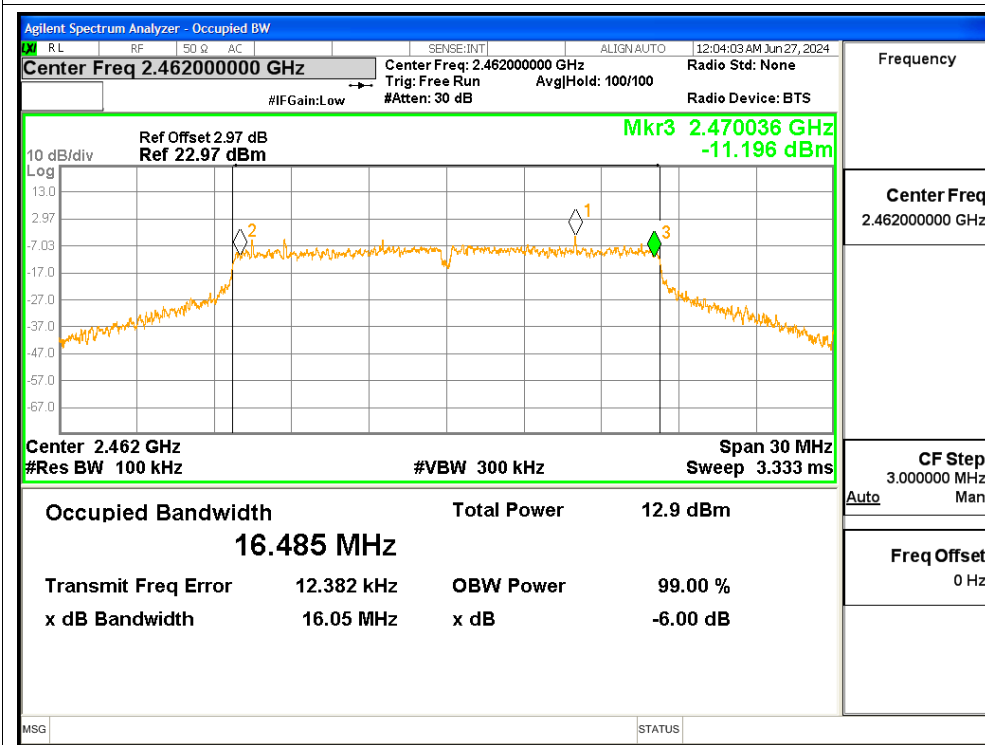
-6dB Bandwidth NVNT g 2412MHz Ant1



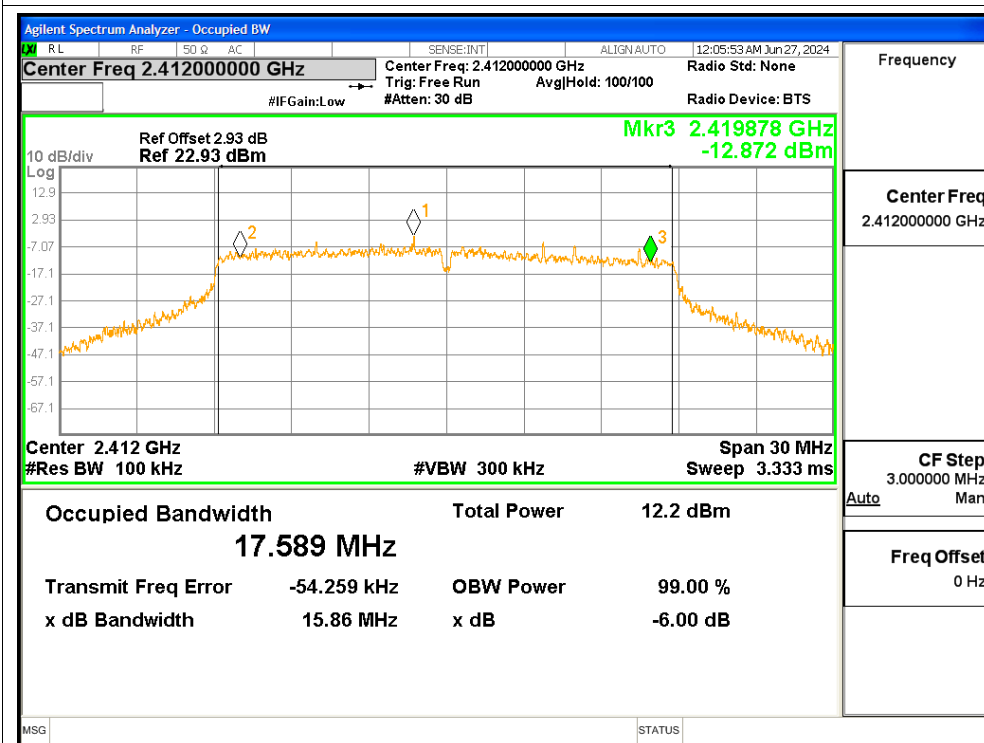
-6dB Bandwidth NVNT g 2437MHz Ant1



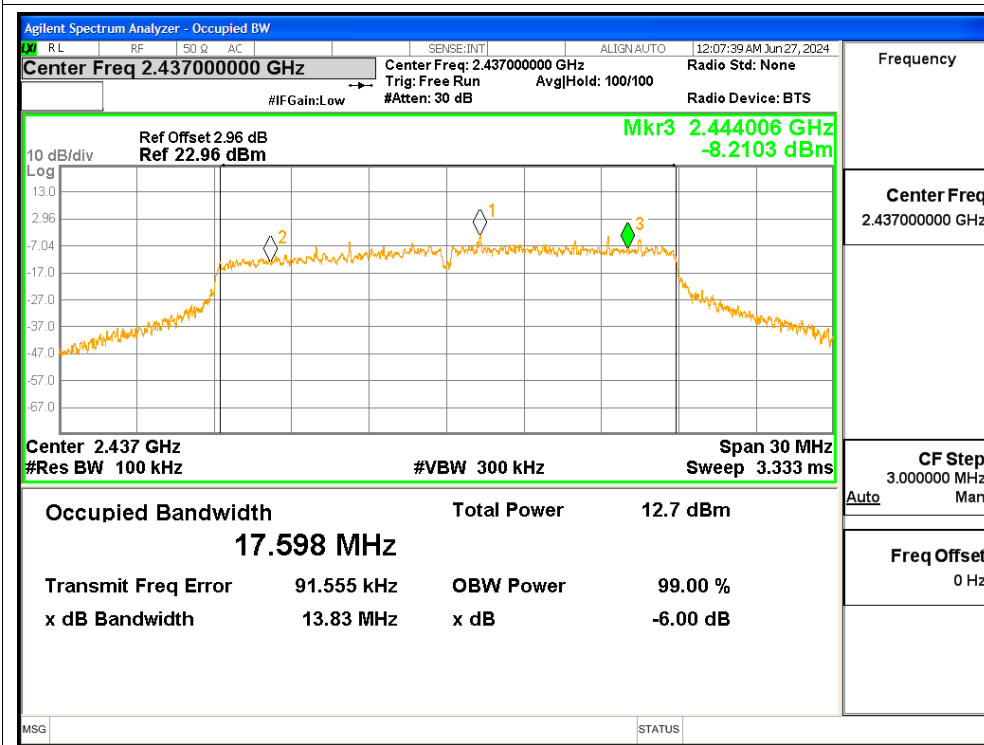
-6dB Bandwidth NVNT g 2462MHz Ant1



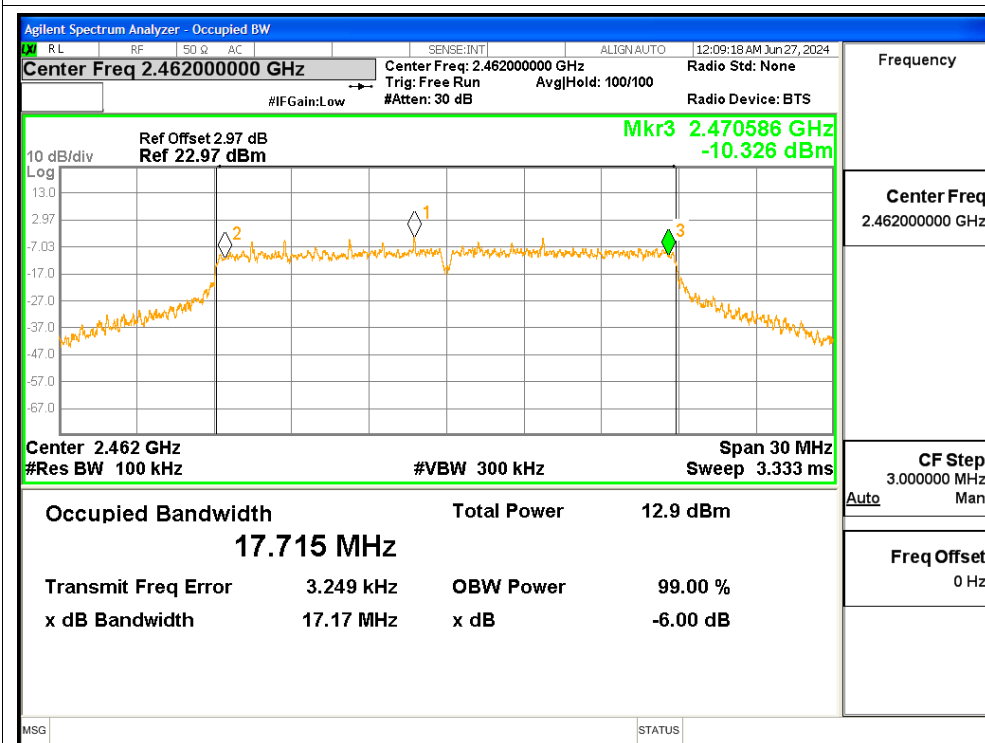
-6dB Bandwidth NVNT n20 2412MHz Ant1



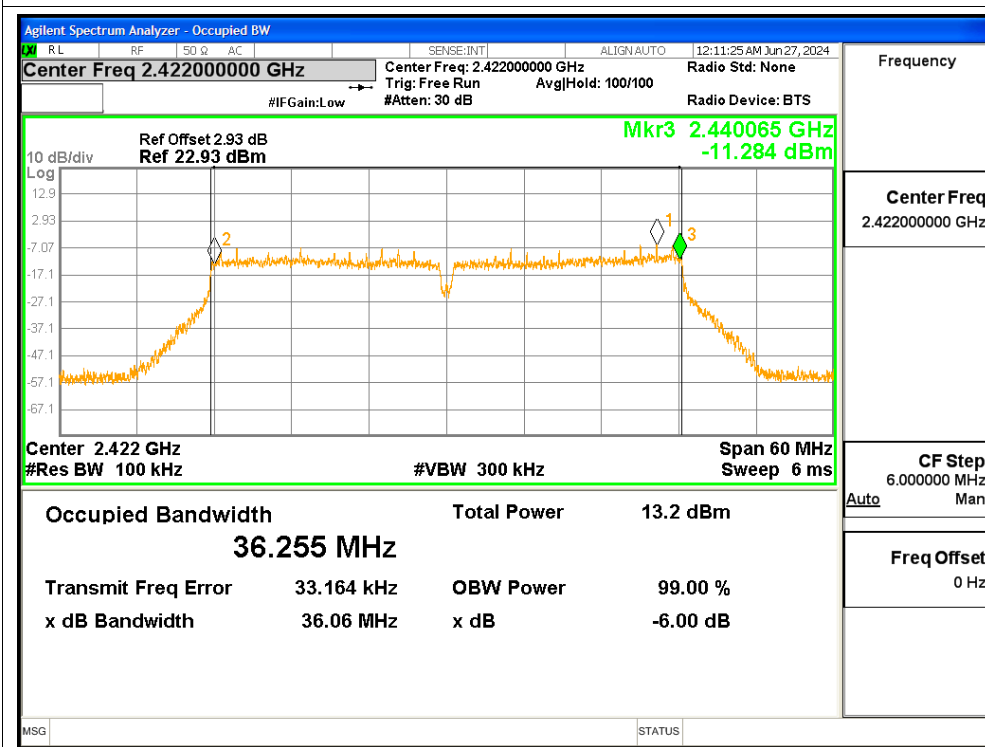
-6dB Bandwidth NVNT n20 2437MHz Ant1



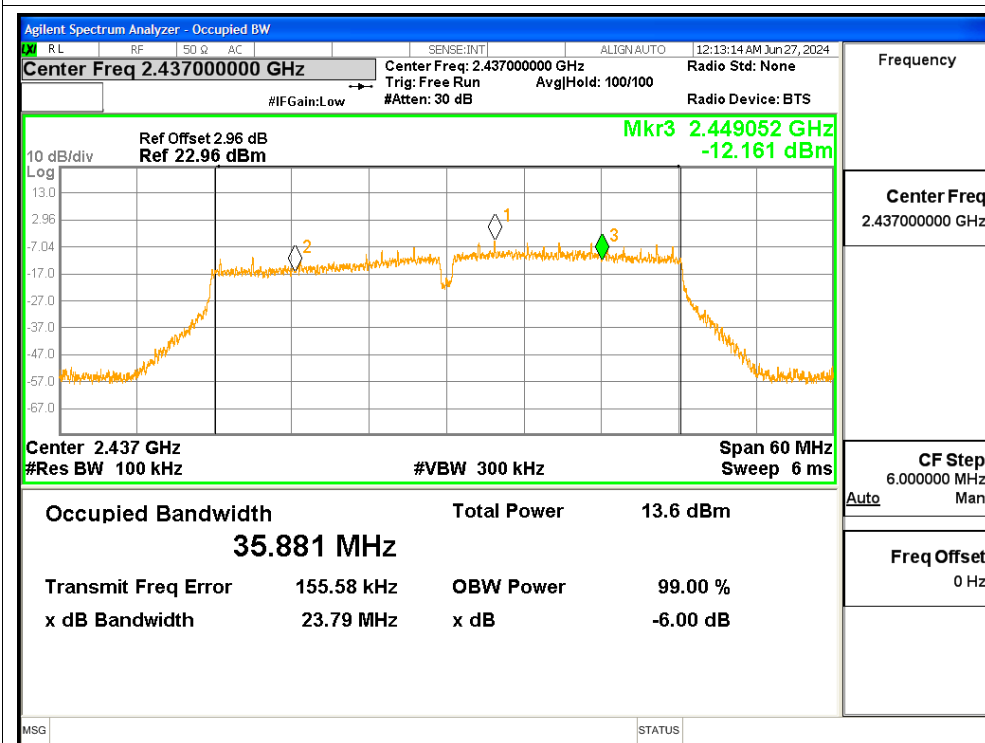
-6dB Bandwidth NVNT n20 2462MHz Ant1



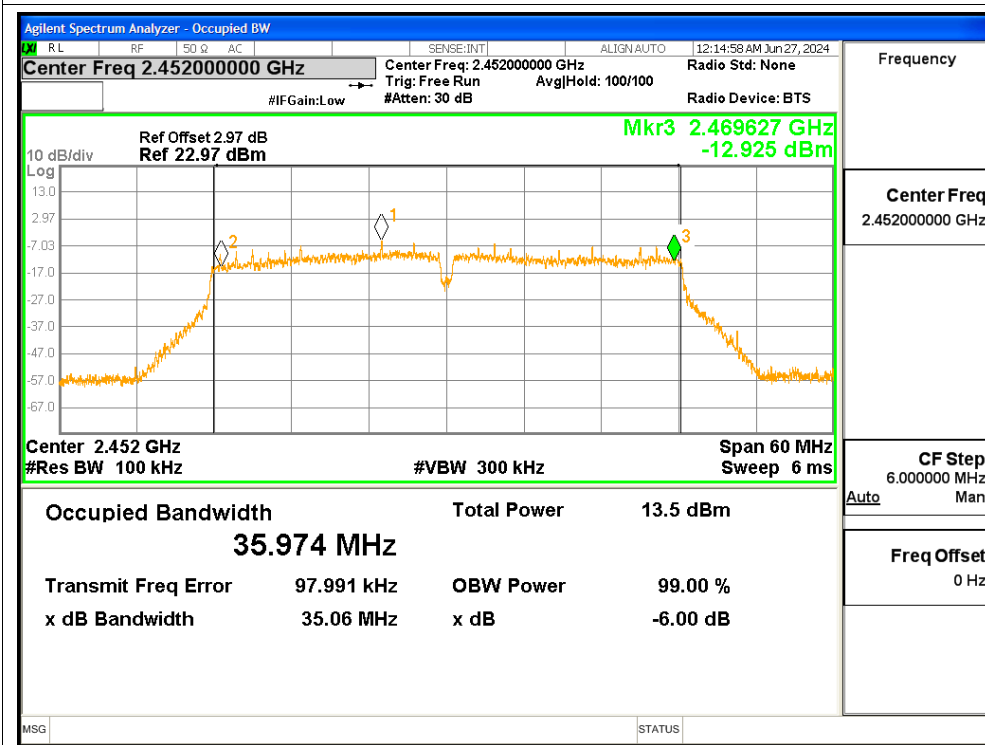
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1

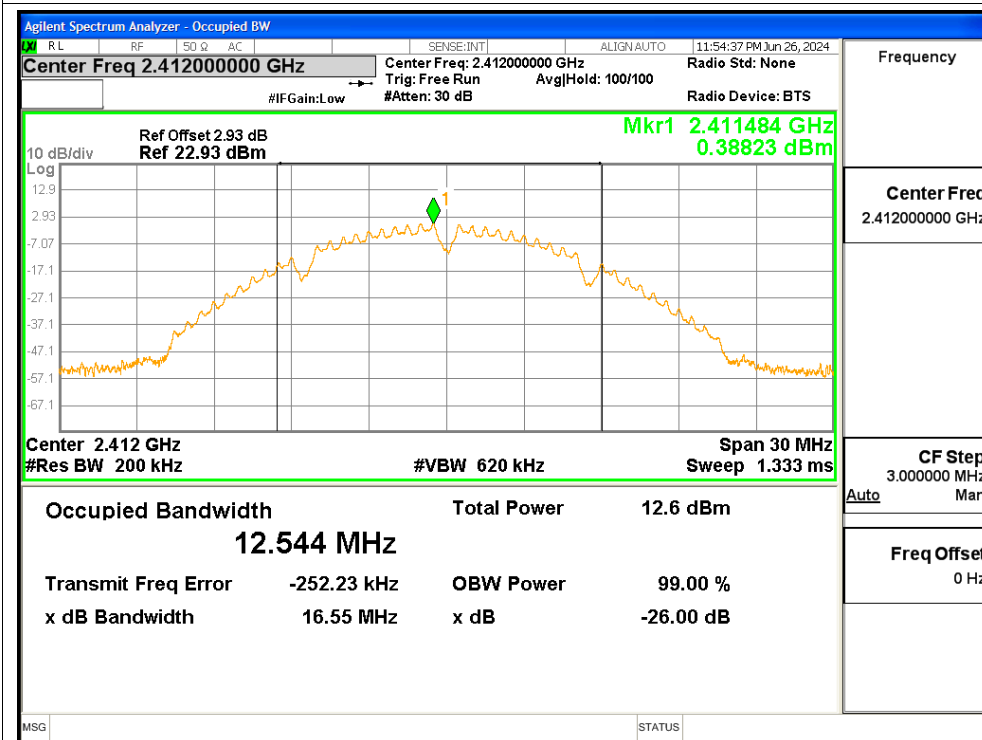


Occupied Channel Bandwidth

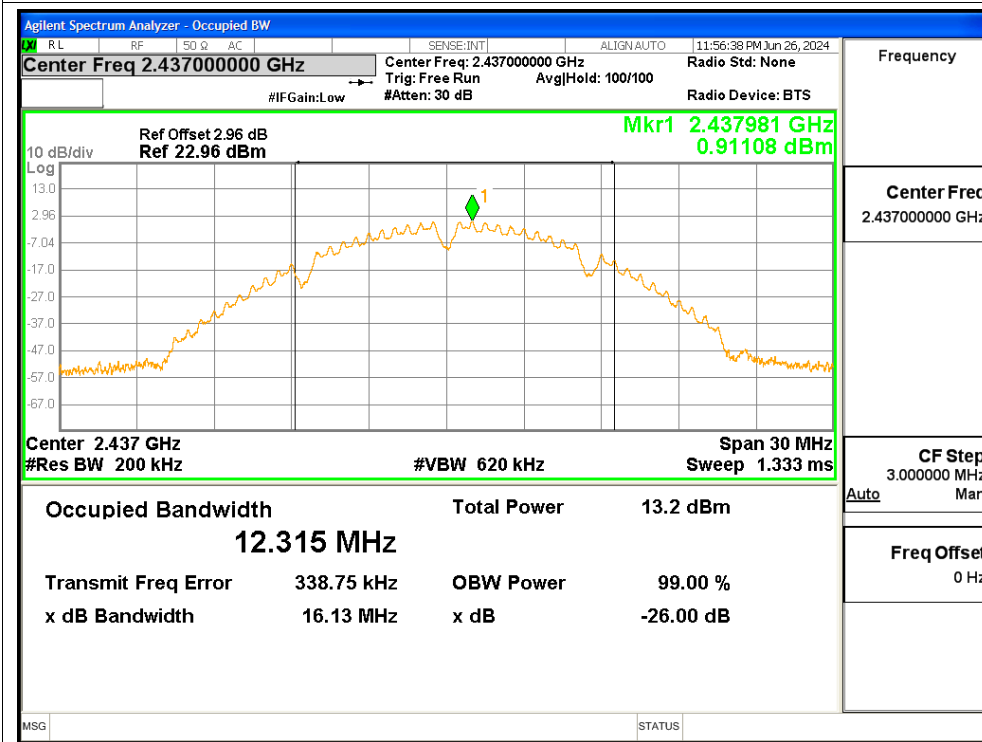
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.544
		2437		12.315
		2462		12.832
	g	2412		16.398
		2437		16.465
		2462		16.577
	n20	2412		17.628
		2437		17.677
		2462		17.814
	n40	2422		36.441
		2437		35.946
		2452		36.006

Test Graphs

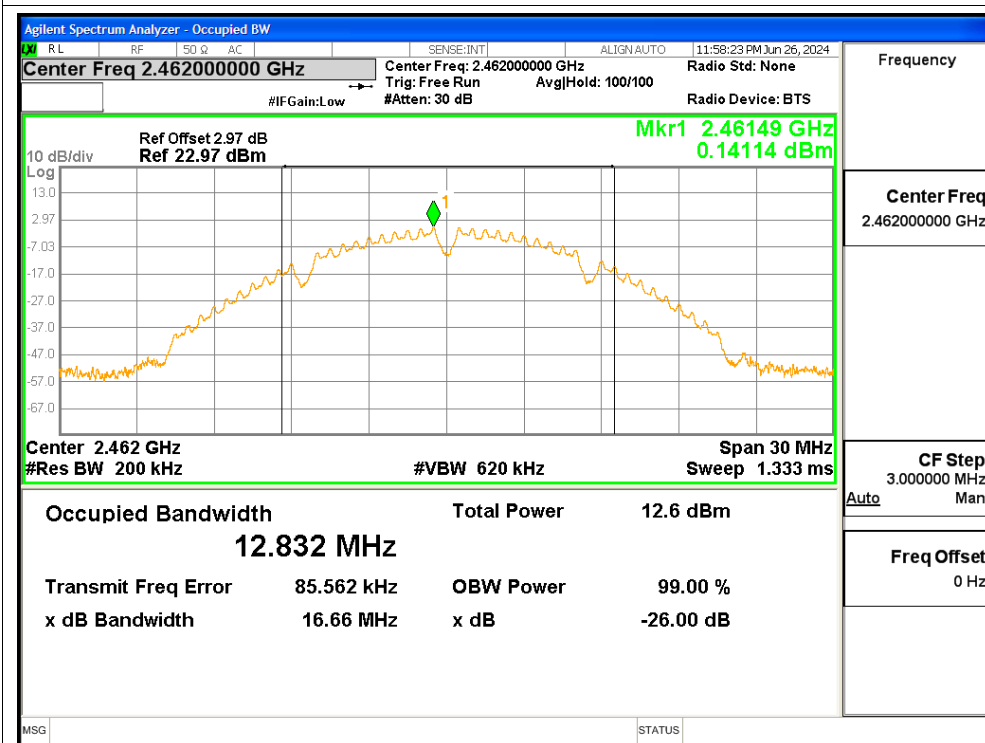
OBW NVNT b 2412MHz Ant1



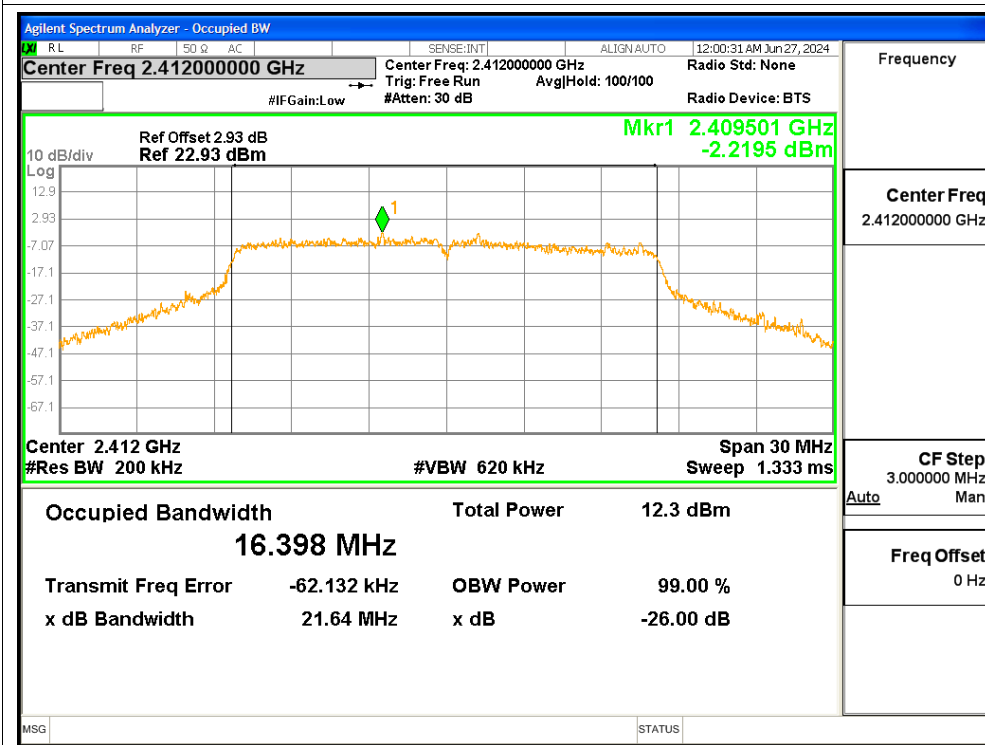
OBW NVNT b 2437MHz Ant1



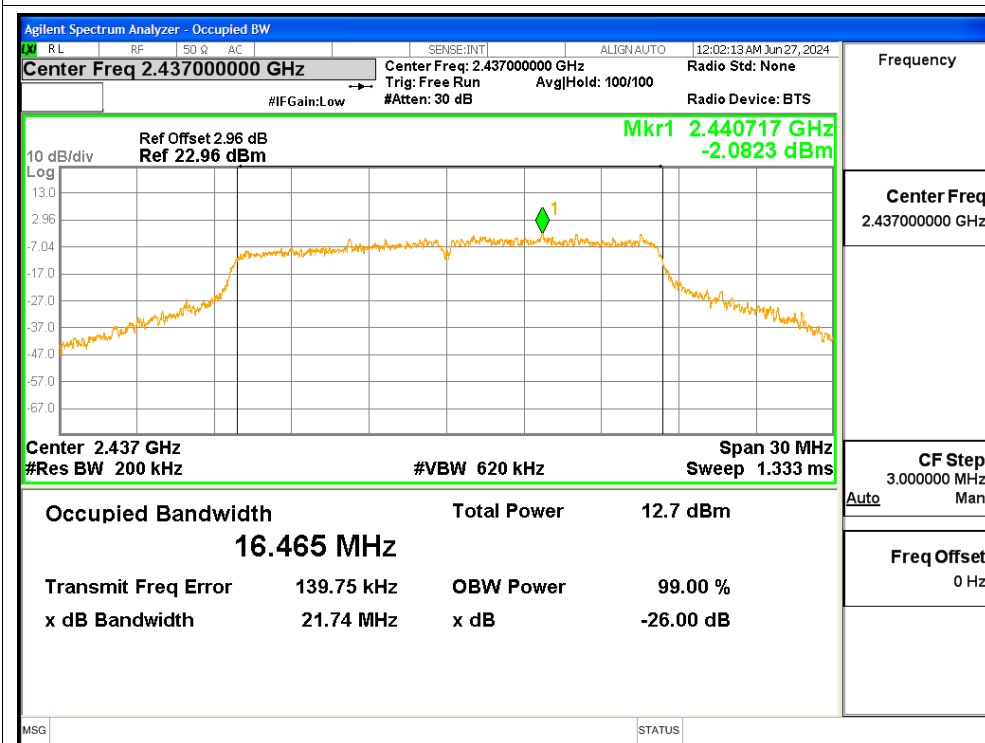
OBW NVNT b 2462MHz Ant1



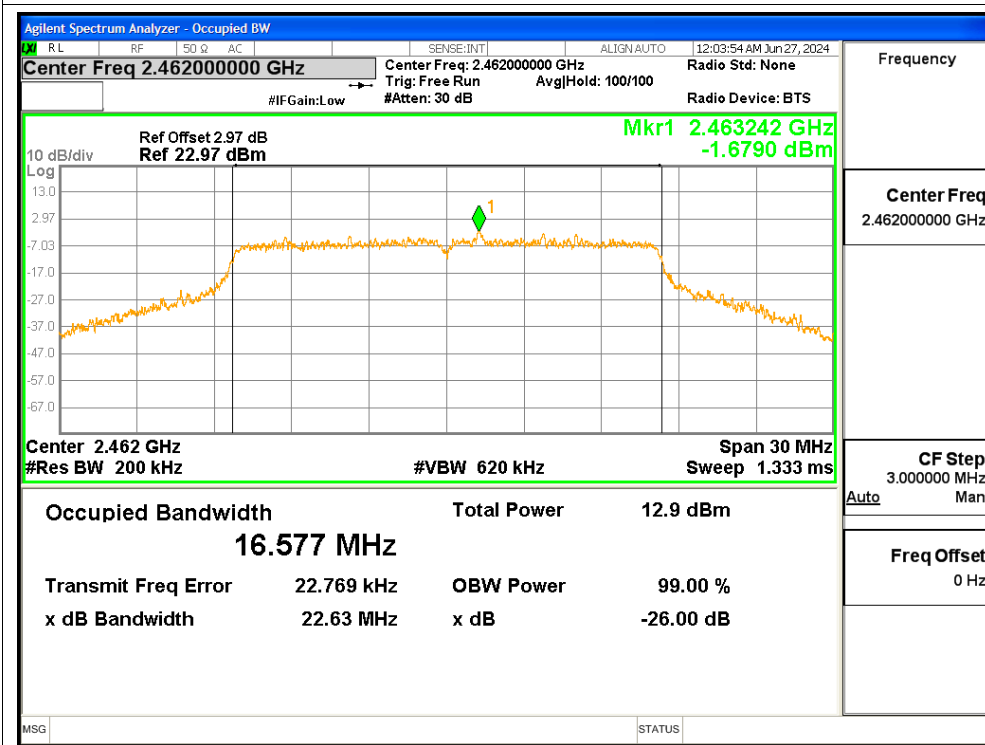
OBW NVNT g 2412MHz Ant1



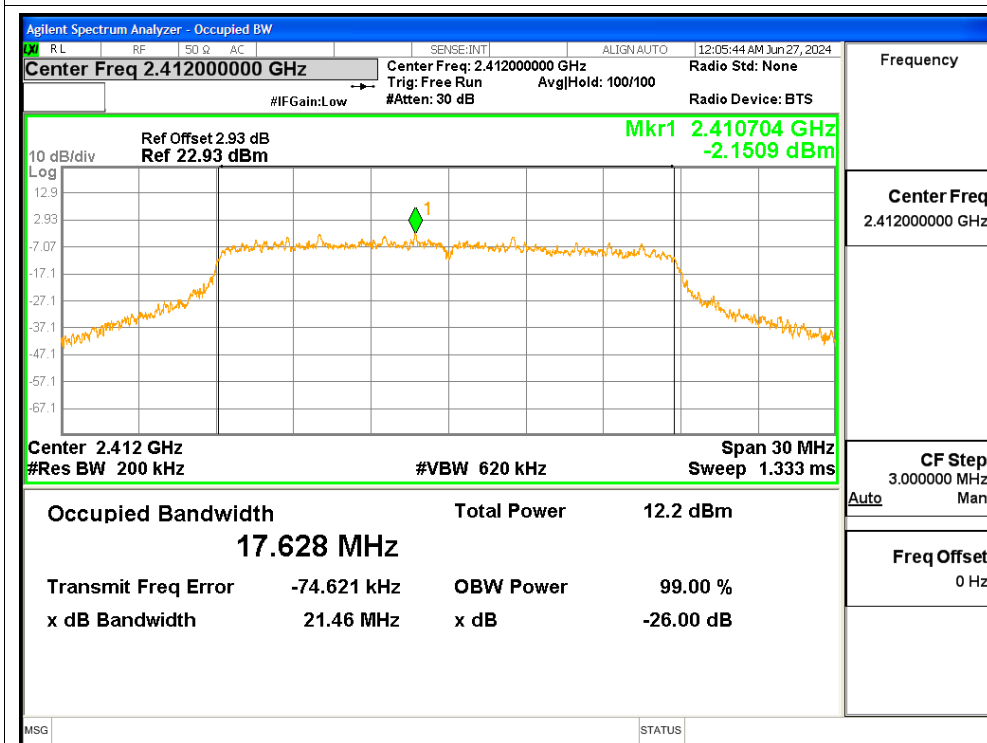
OBW NVNT g 2437MHz Ant1



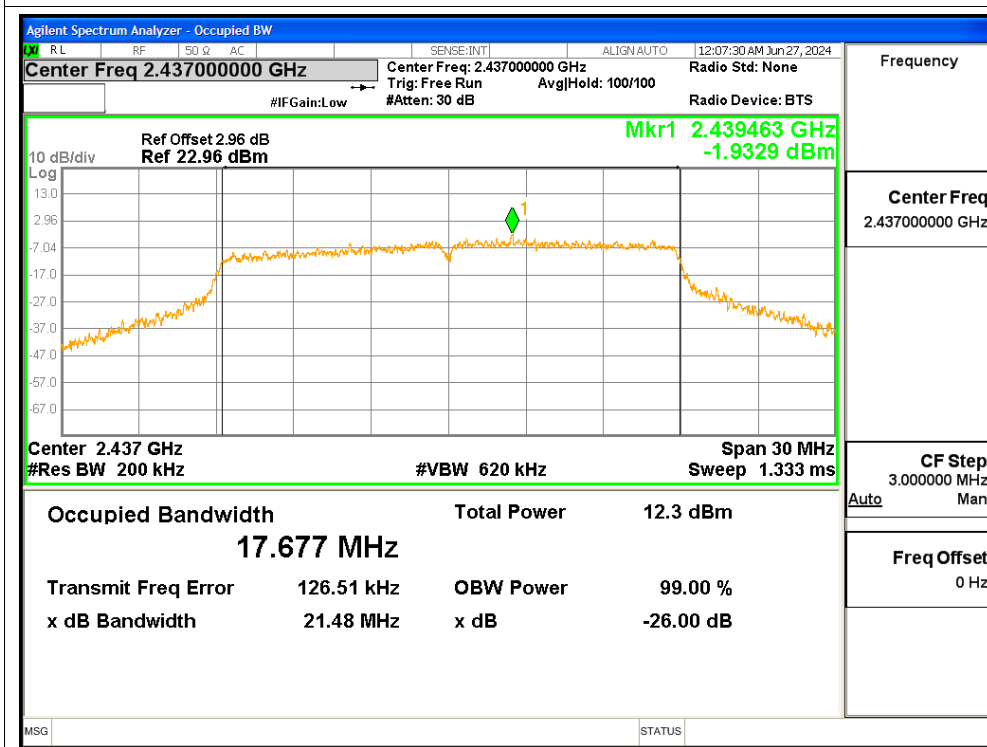
OBW NVNT g 2462MHz Ant1



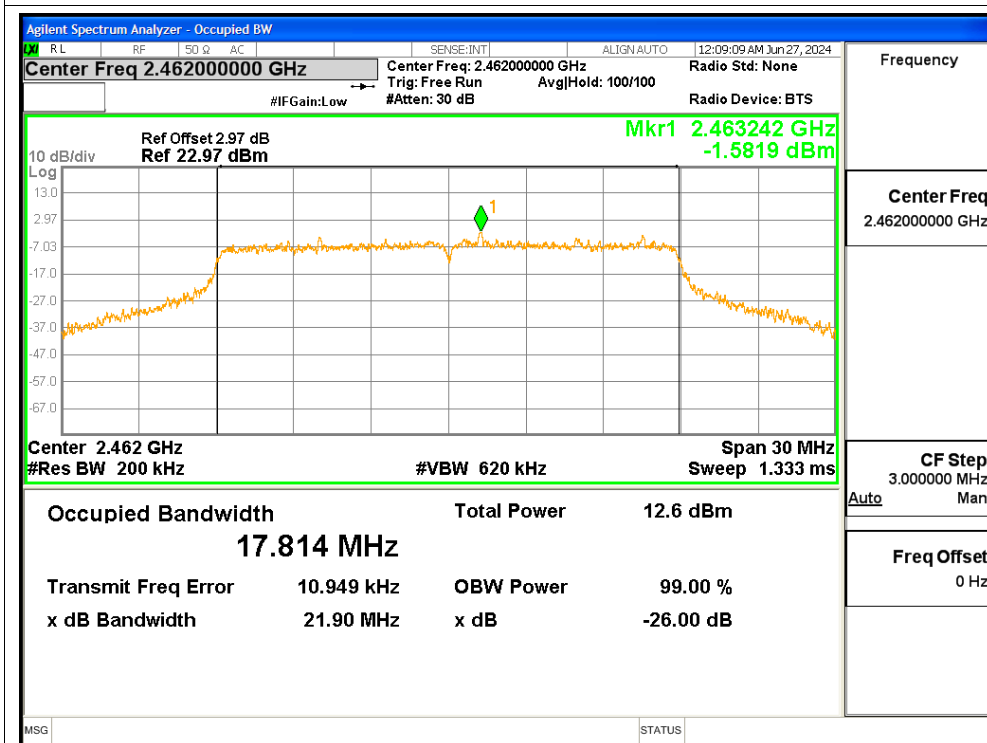
OBW NVNT n20 2412MHz Ant1



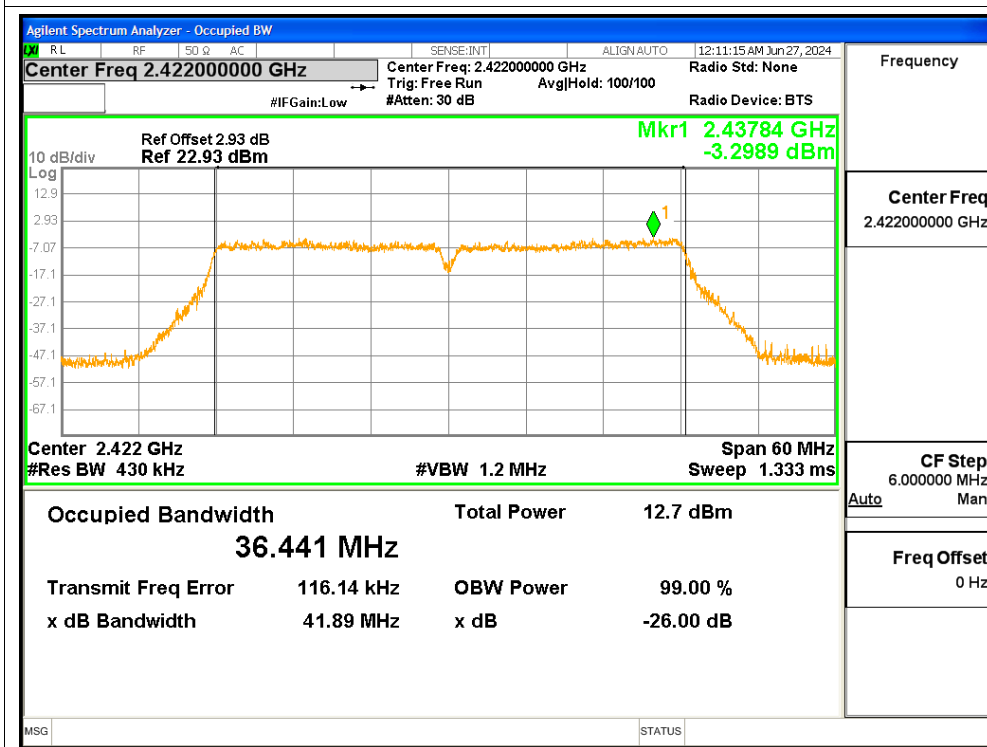
OBW NVNT n20 2437MHz Ant1



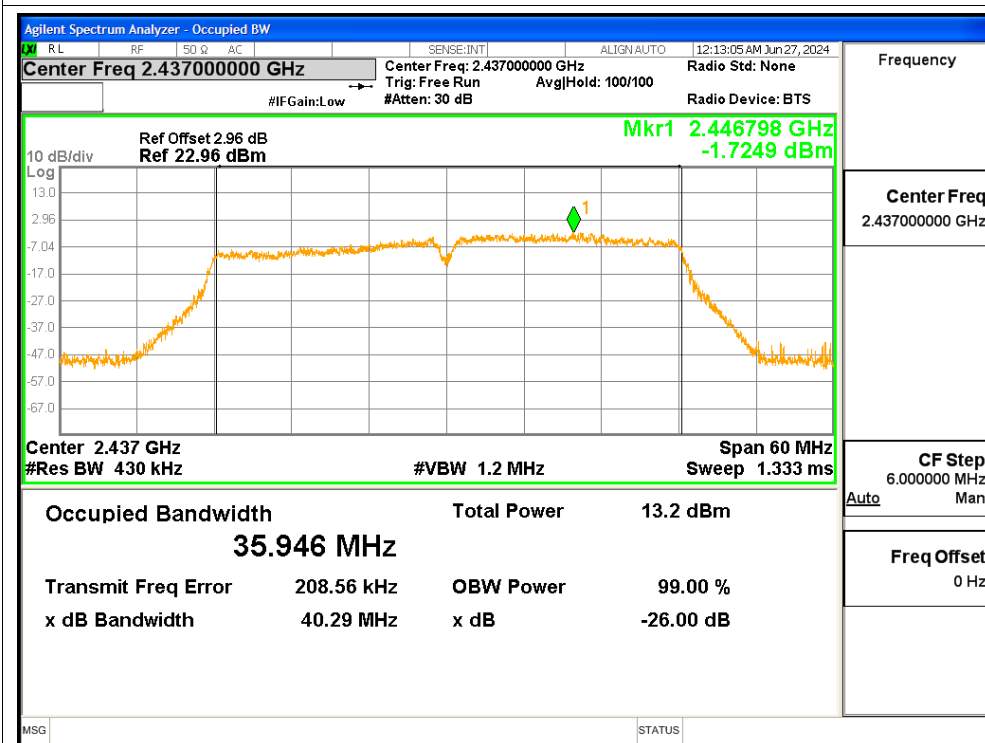
OBW NVNT n20 2462MHz Ant1



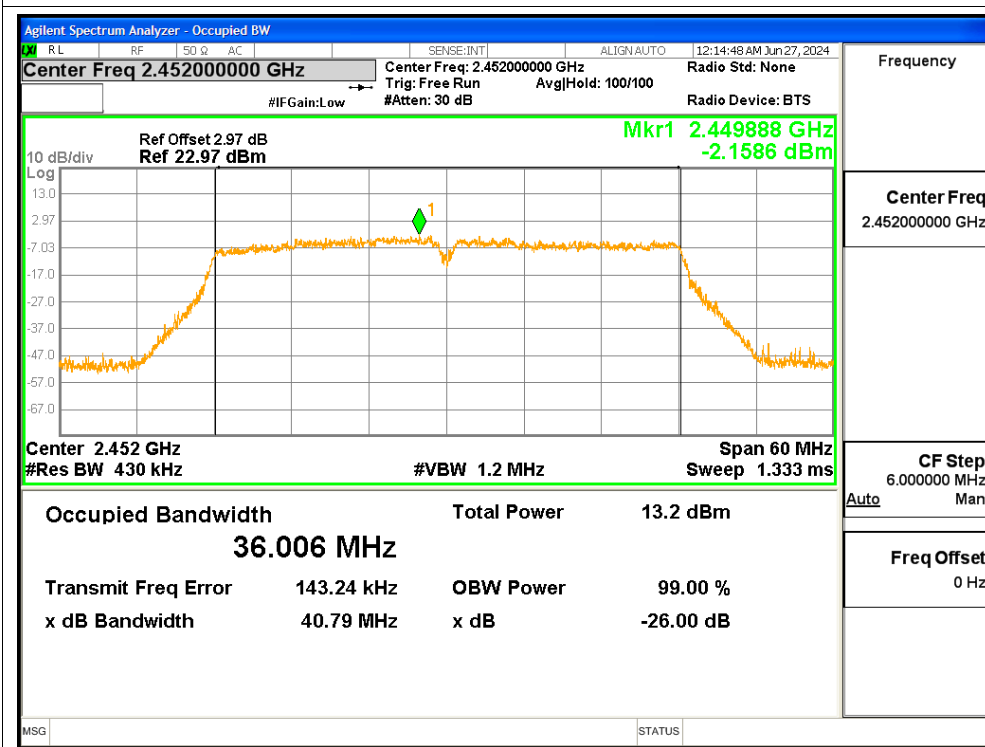
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



OBW NVNT n40 2452MHz Ant1

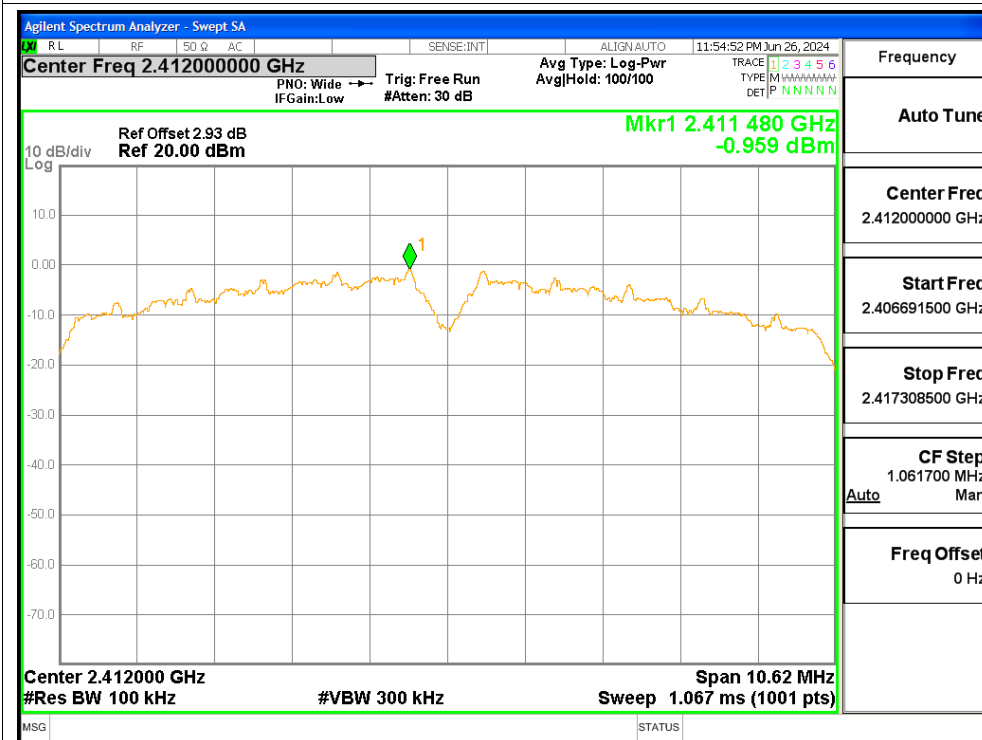


Maximum Power Spectral Density Level

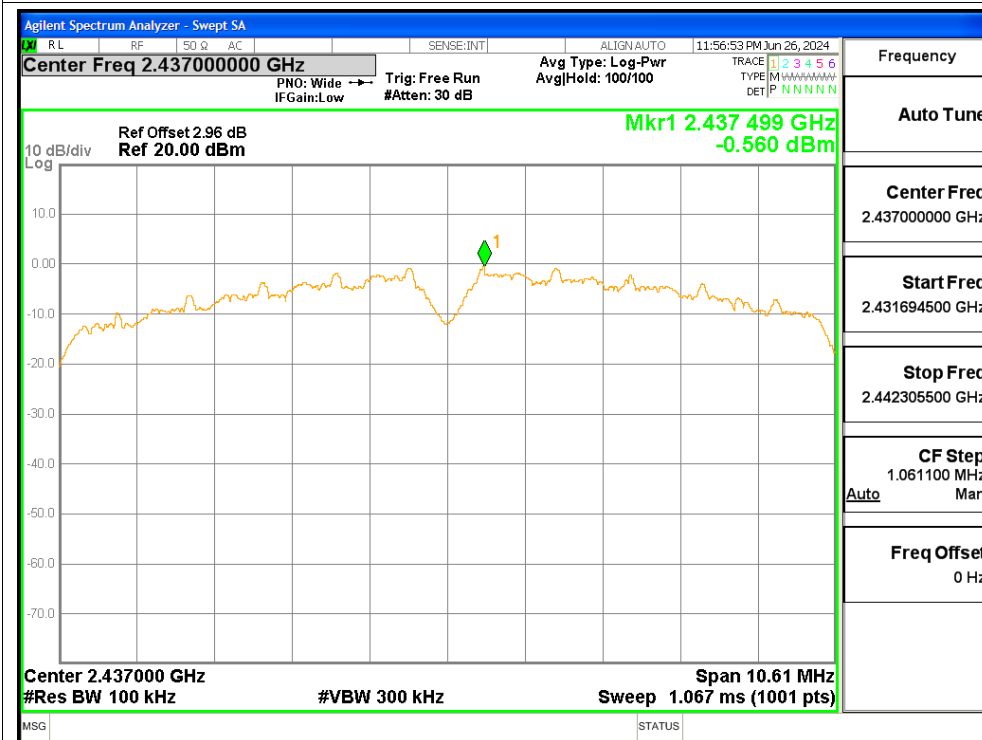
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-0.96	0	-0.96	8	Pass
		2437		-0.56	0	-0.56	8	Pass
		2462		-1.26	0	-1.26	8	Pass
	g	2412		-2.89	0	-2.89	8	Pass
		2437		-2.51	0	-2.51	8	Pass
		2462		-3.55	0	-3.55	8	Pass
	n20	2412		-3.1	0	-3.1	8	Pass
		2437		-2.5	0	-2.5	8	Pass
		2462		-3	0	-3	8	Pass
	n40	2422		-6.76	0	-6.76	8	Pass
		2437		-4.8	0	-4.8	8	Pass
		2452		-5.59	0	-5.59	8	Pass

Test Graphs

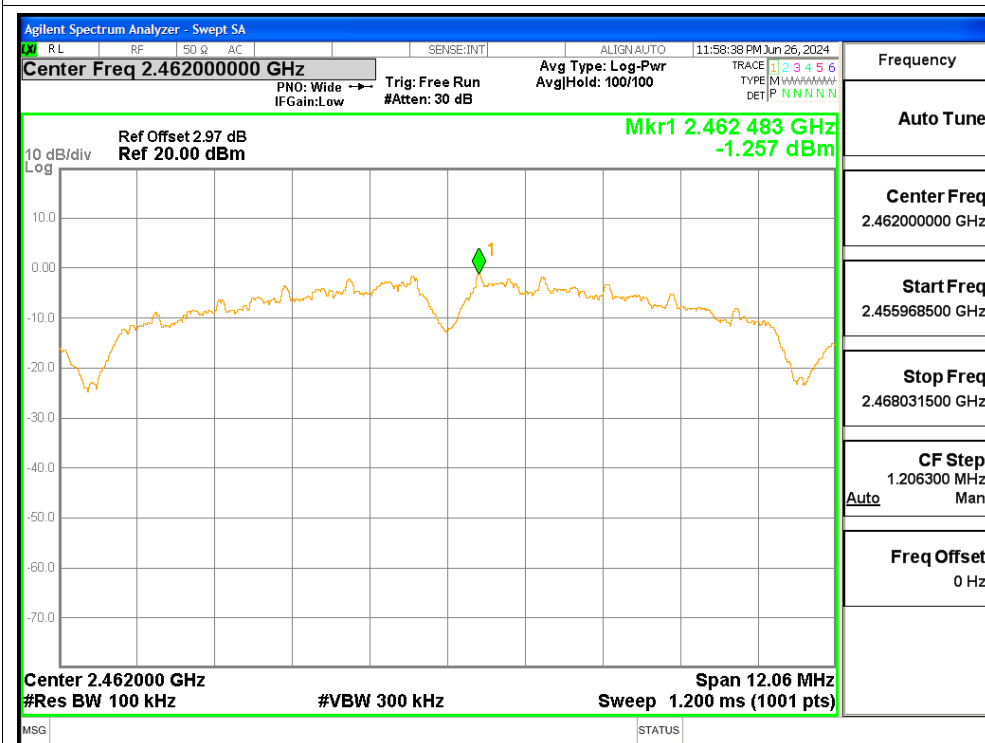
PSD NVNT b 2412MHz Ant1



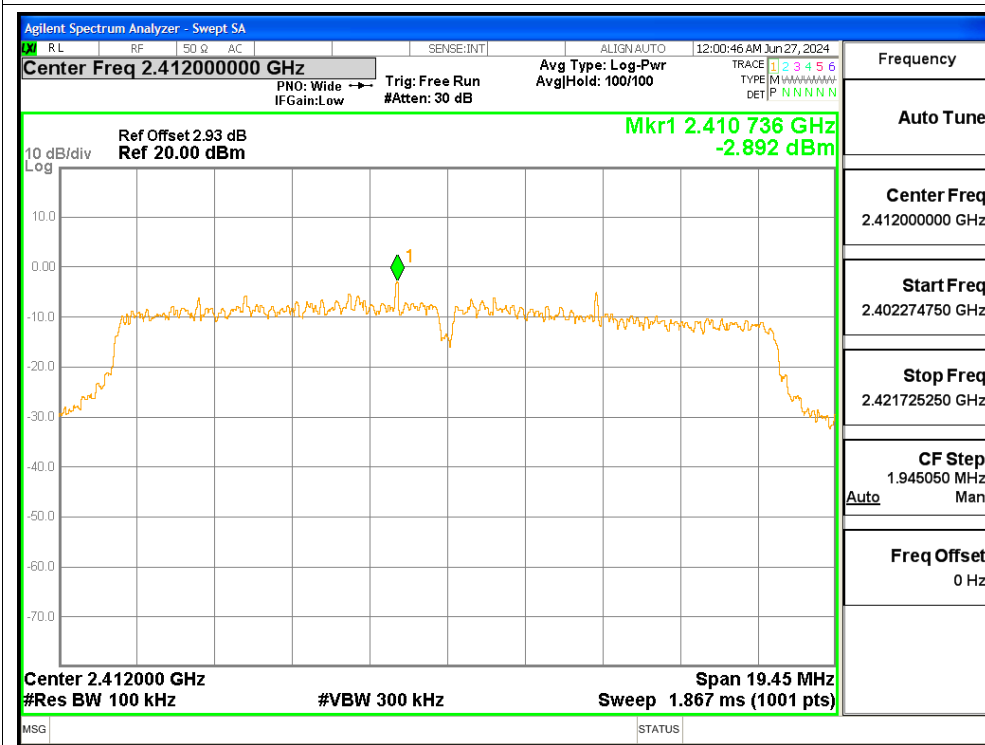
PSD NVNT b 2437MHz Ant1



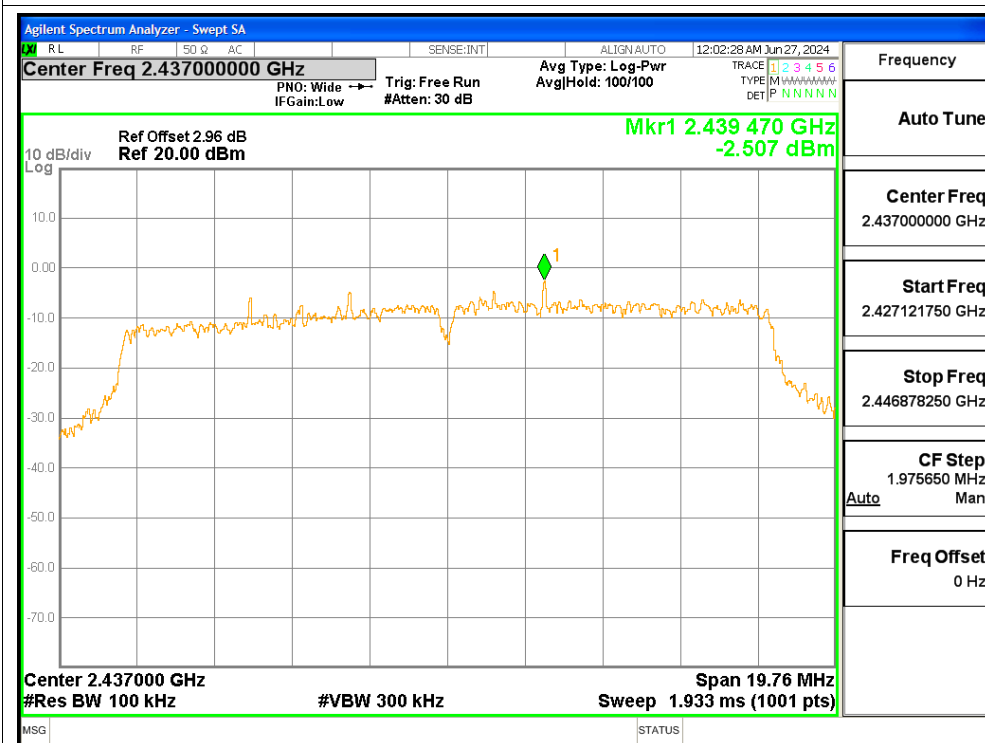
PSD NVNT b 2462MHz Ant1



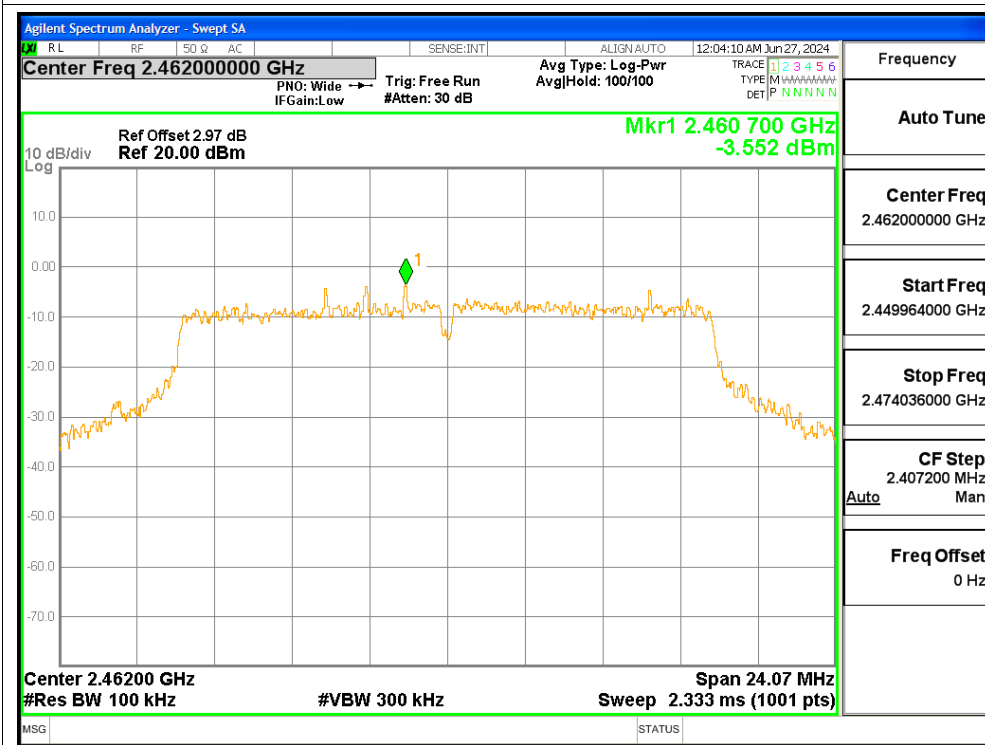
PSD NVNT g 2412MHz Ant1



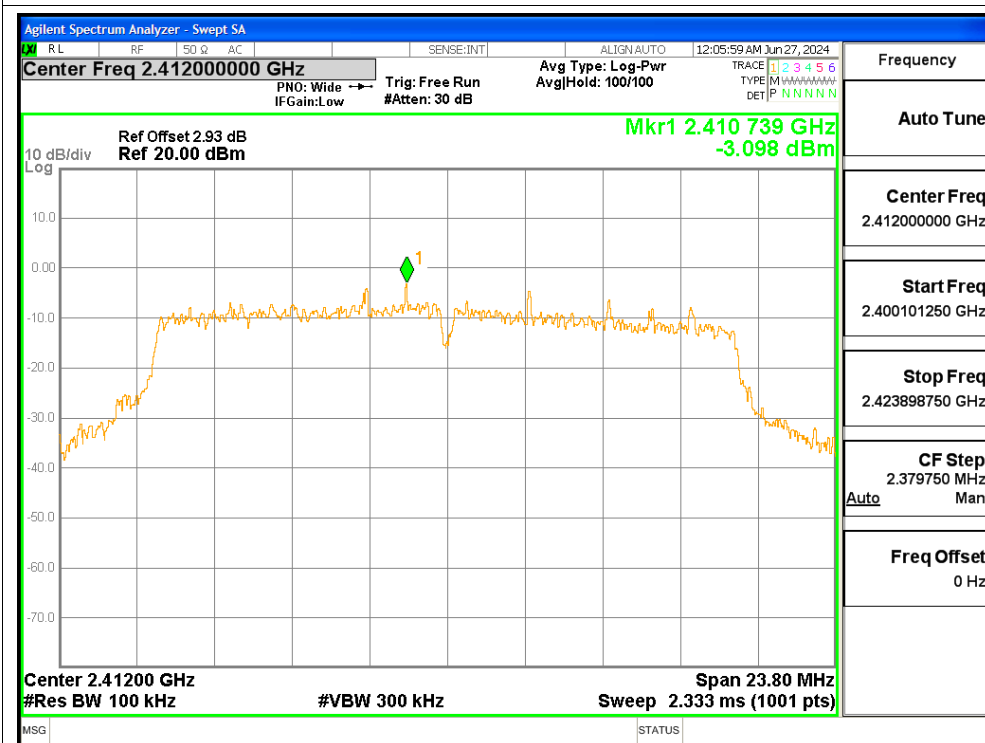
PSD NVNT g 2437MHz Ant1



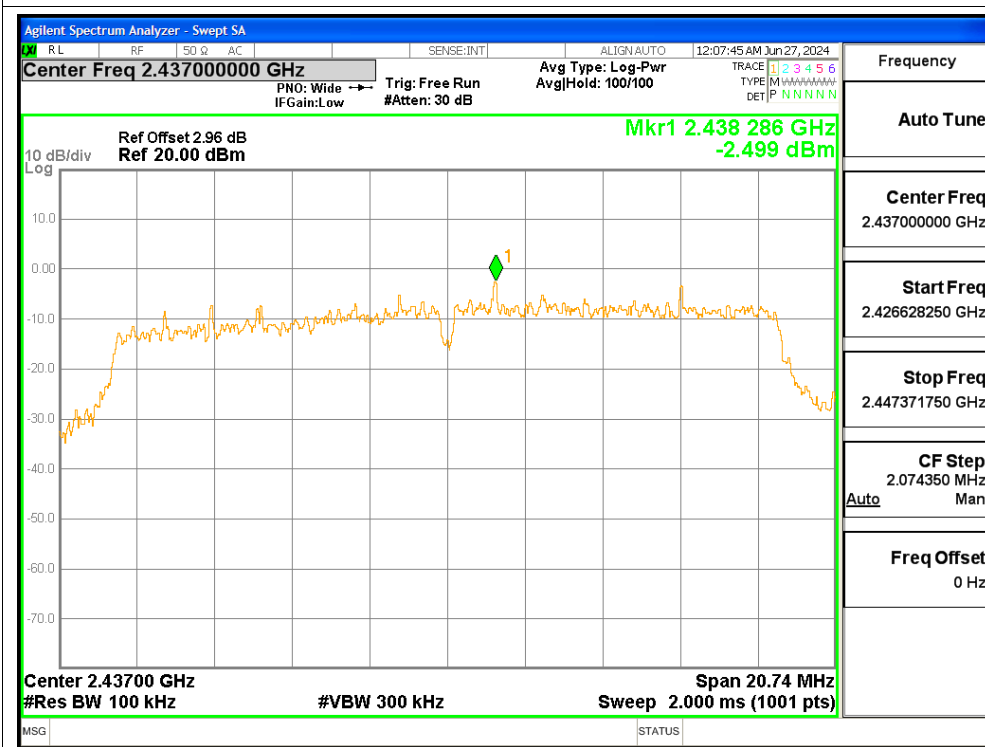
PSD NVNT g 2462MHz Ant1



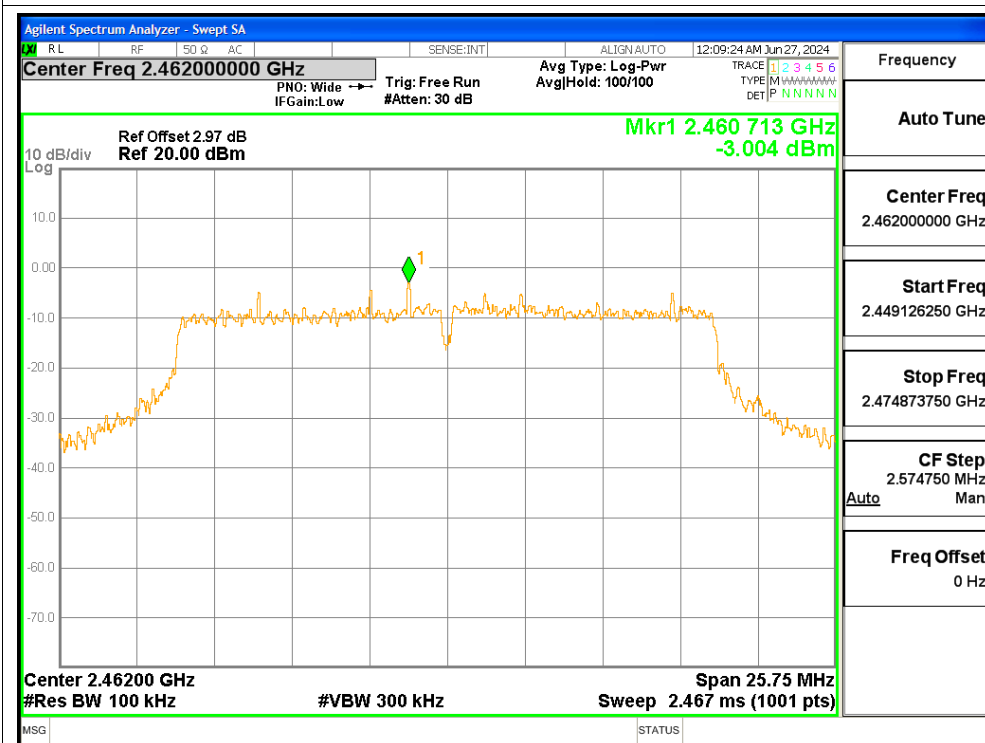
PSD NVNT n20 2412MHz Ant1



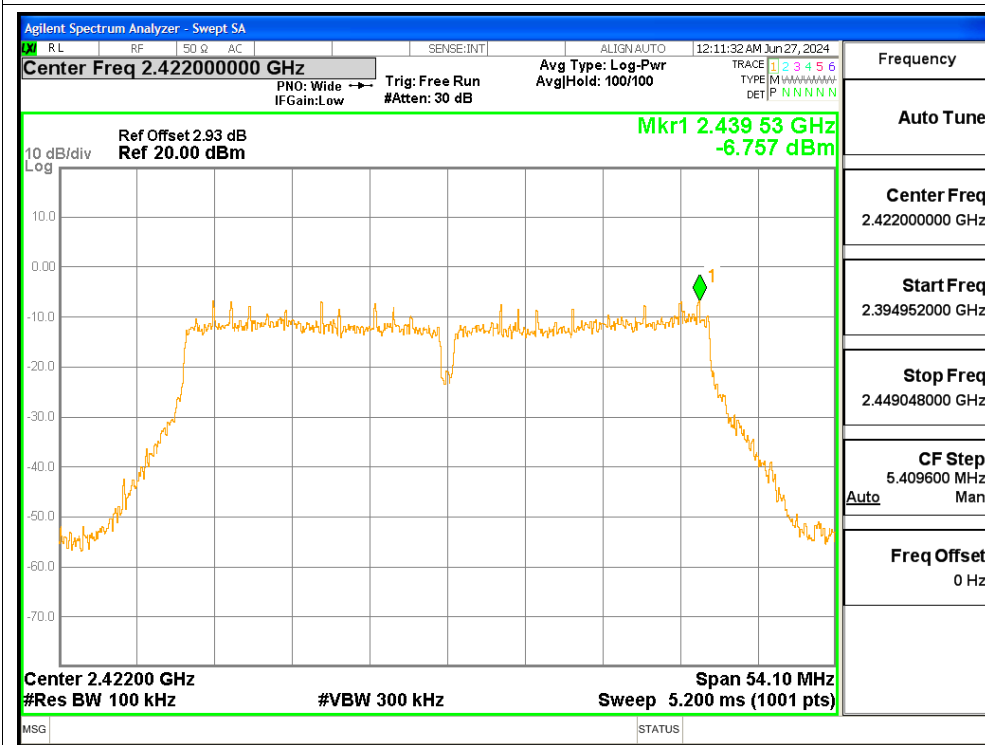
PSD NVNT n20 2437MHz Ant1



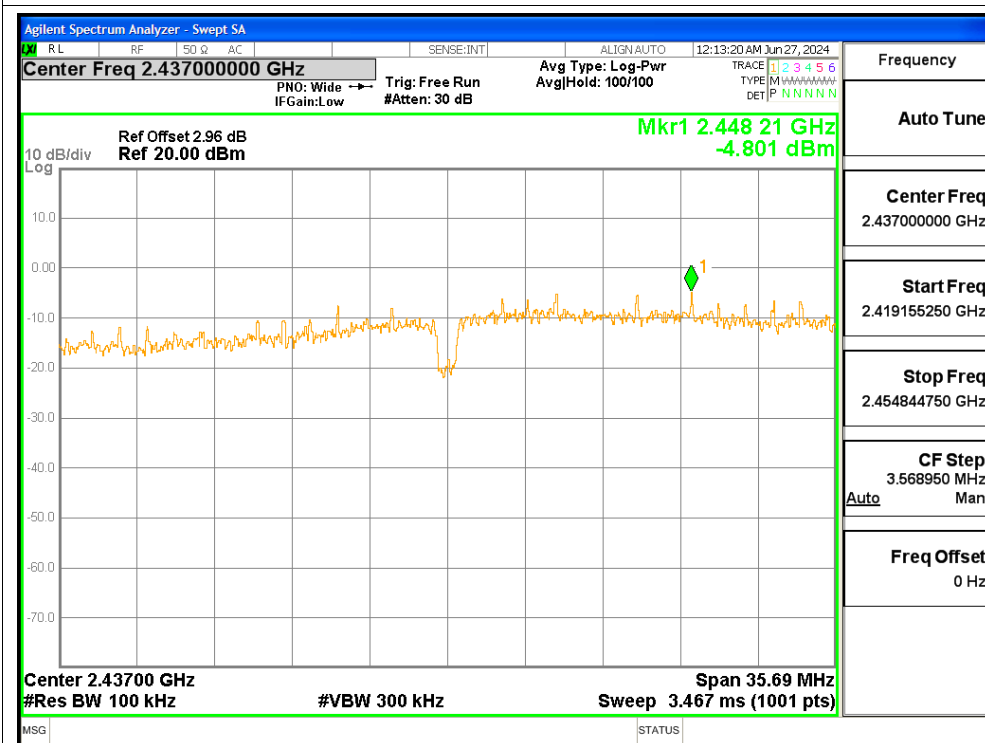
PSD NVNT n20 2462MHz Ant1



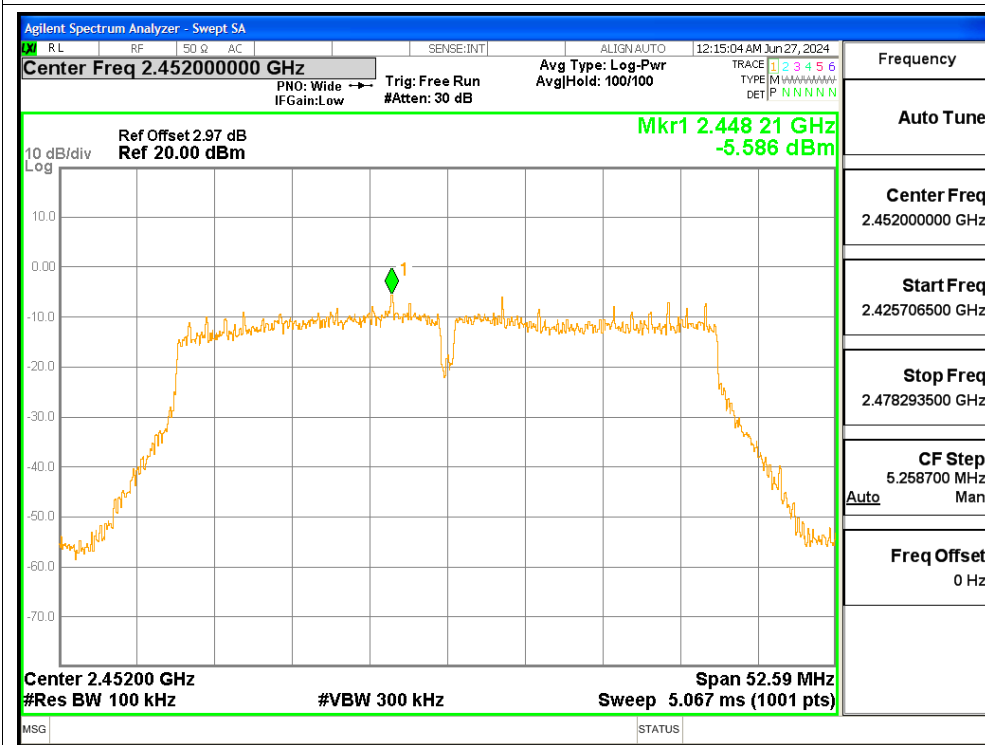
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



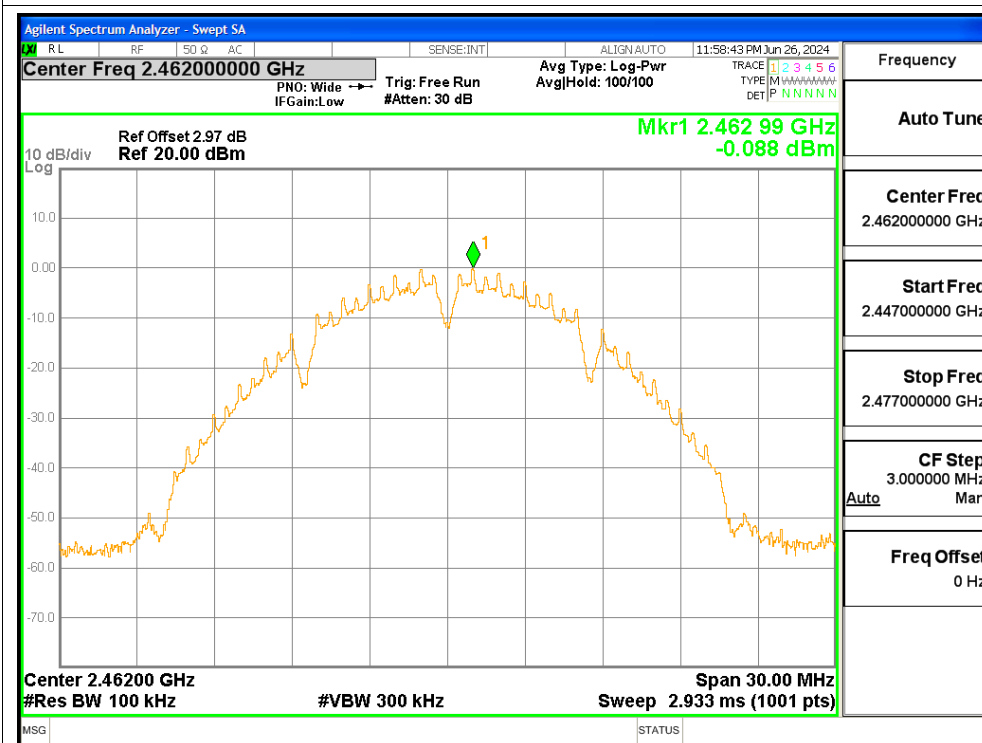
PSD NVNT n40 2452MHz Ant1



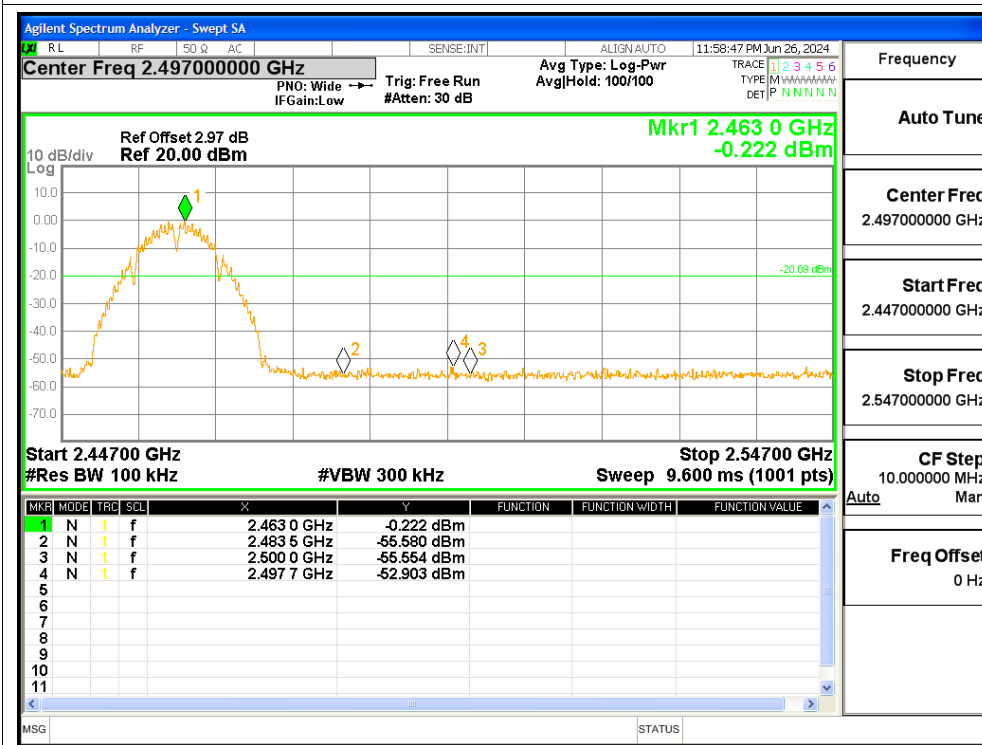
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.08	-20	Pass
		2462		-52.81	-20	Pass
	g	2412		-32.71	-20	Pass
		2462		-48.17	-20	Pass
	n20	2412		-31.63	-20	Pass
		2462		-49.7	-20	Pass
	n40	2422		-34.72	-20	Pass
		2452		-46.4	-20	Pass

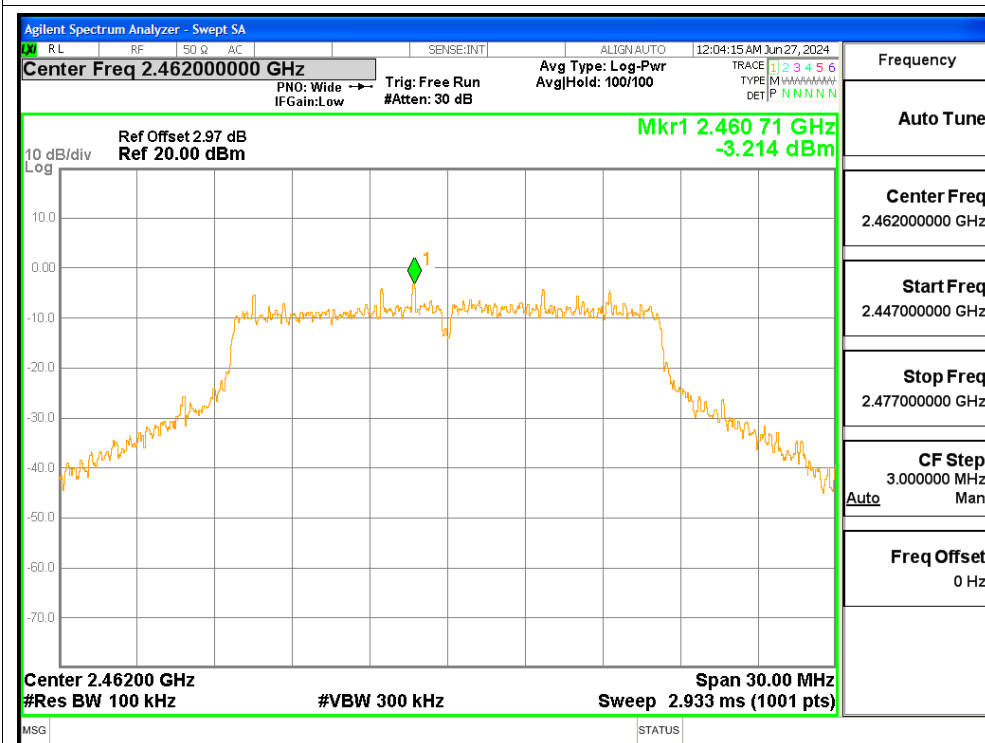
Band Edge NVNT b 2462MHz Ant1 Ref



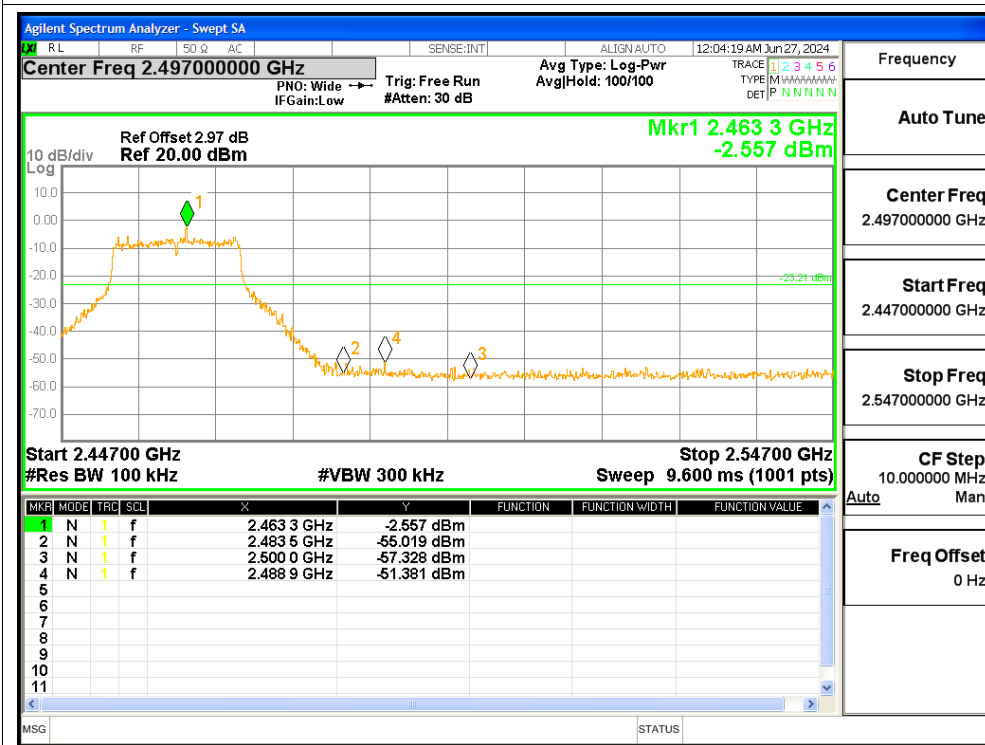
Band Edge NVNT b 2462MHz Ant1 Emission



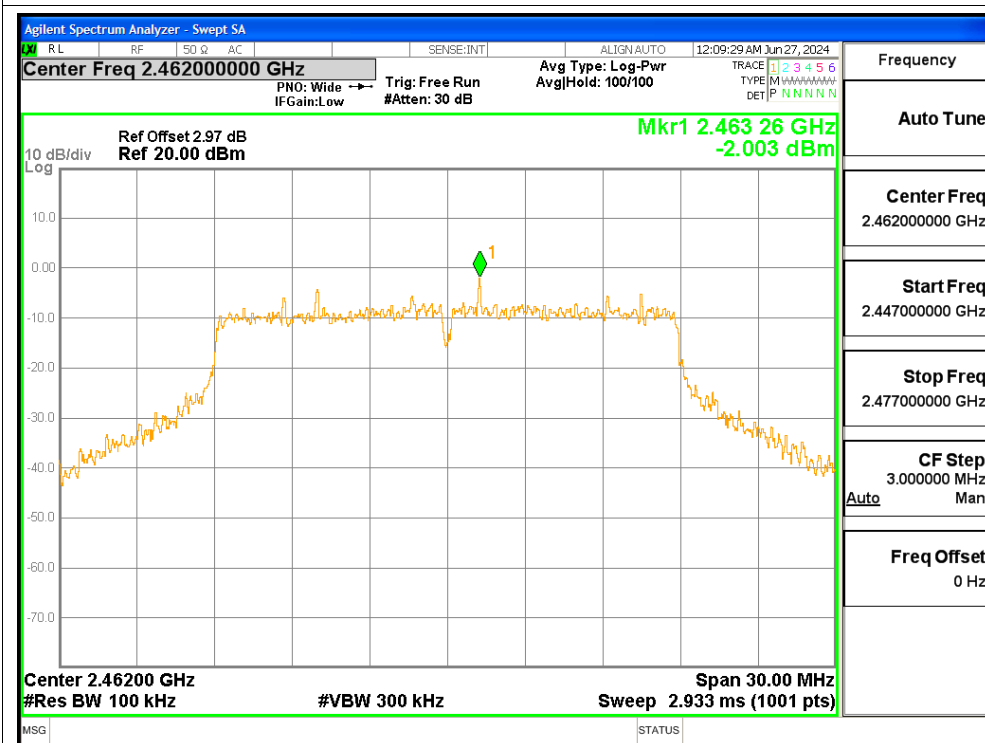
Band Edge NVNT g 2462MHz Ant1 Ref



Band Edge NVNT g 2462MHz Ant1 Emission



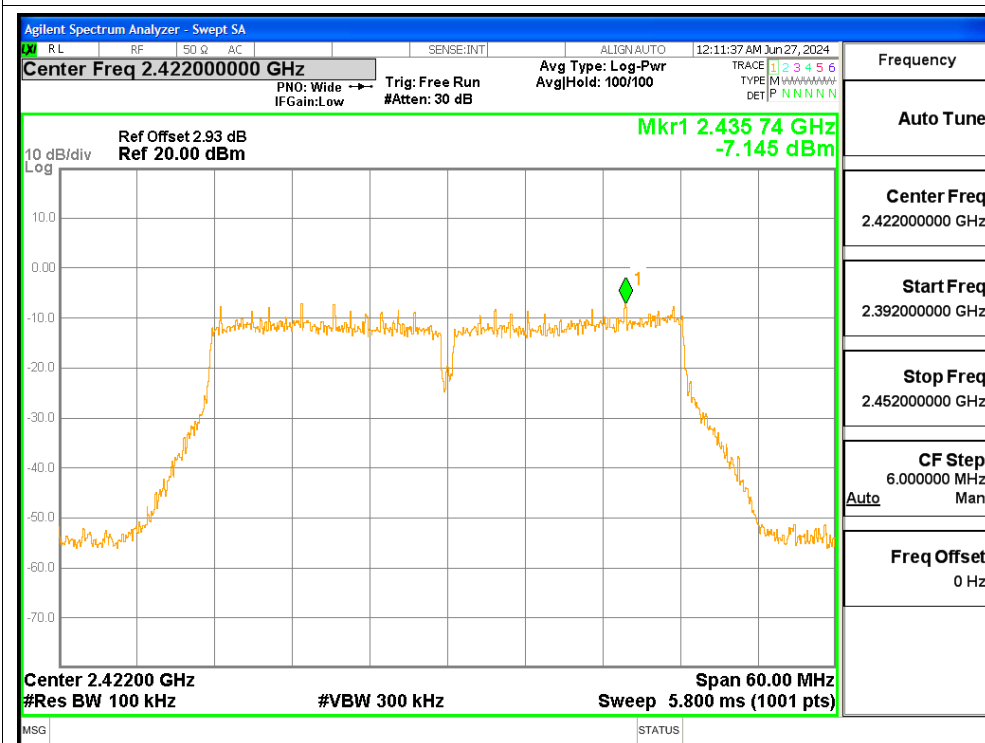
Band Edge NVNT n20 2462MHz Ant1 Ref



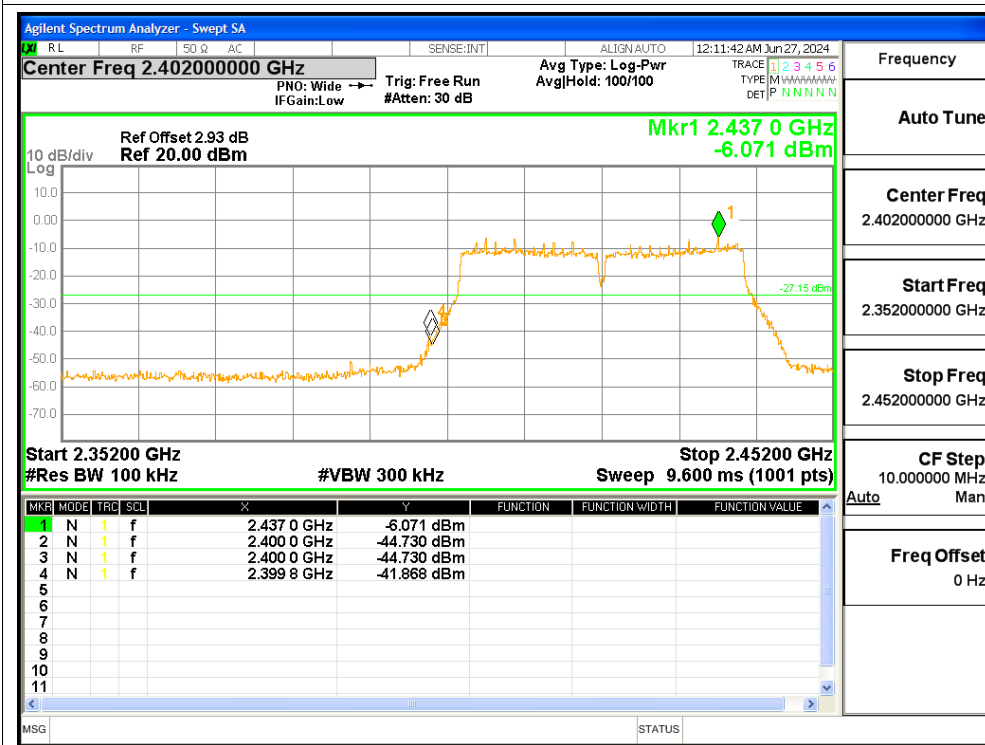
Band Edge NVNT n20 2462MHz Ant1 Emission



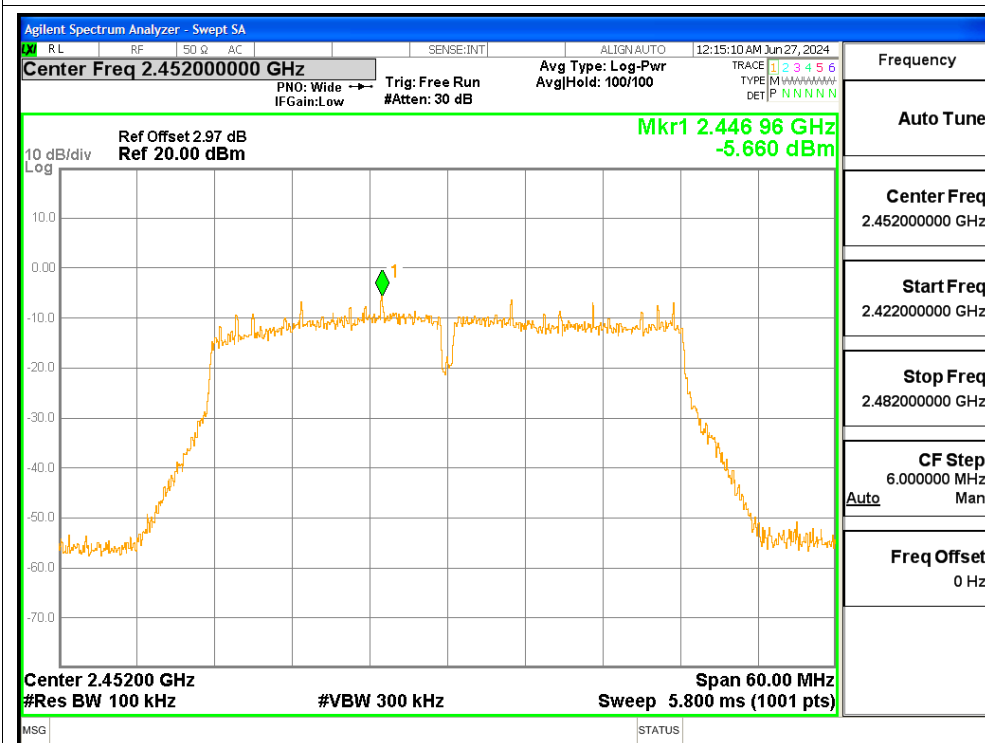
Band Edge NVNT n40 2422MHz Ant1 Ref



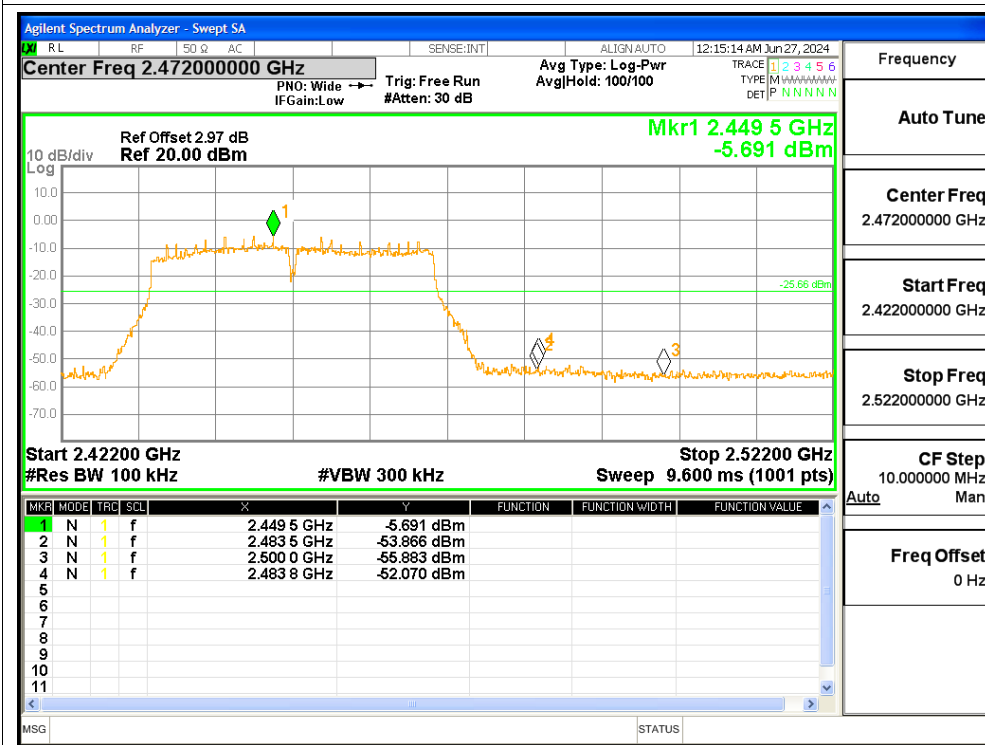
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission

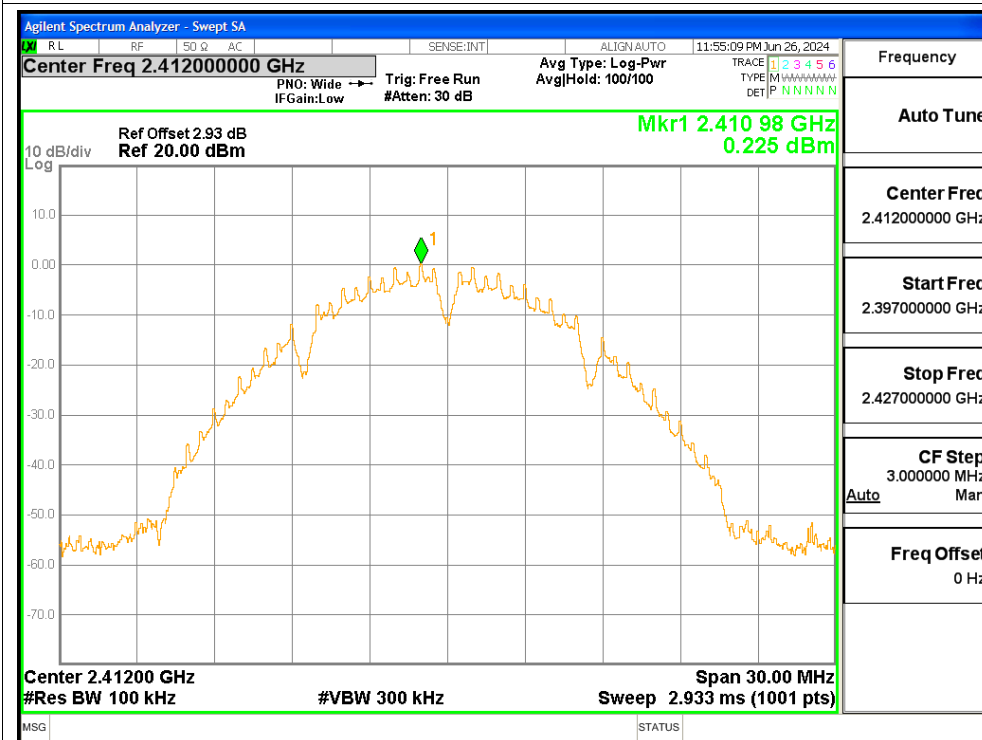


Conducted RF Spurious Emission

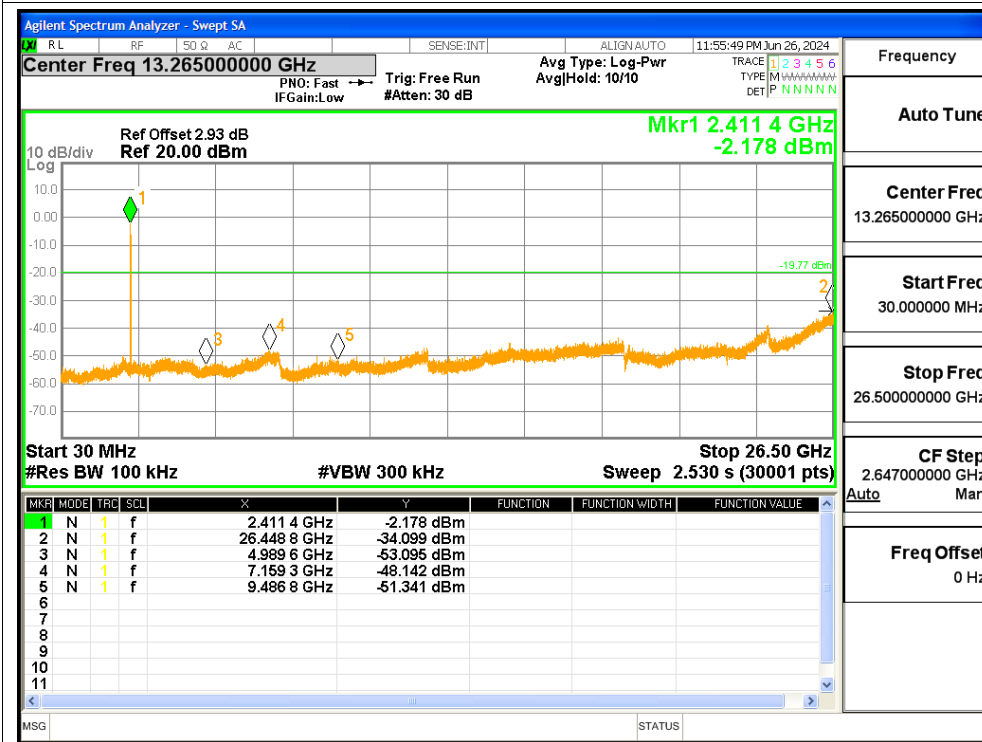
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-34.32	-20	Pass
		2437		-33.39	-20	Pass
		2462		-32.69	-20	Pass
	g	2412		-30.8	-20	Pass
		2437		-31.69	-20	Pass
		2462		-30.09	-20	Pass
	n20	2412		-30.29	-20	Pass
		2437		-31.39	-20	Pass
		2462		-29.93	-20	Pass
	n40	2422		-27.98	-20	Pass
		2437		-28.97	-20	Pass
		2452		-29.27	-20	Pass

Test Graphs

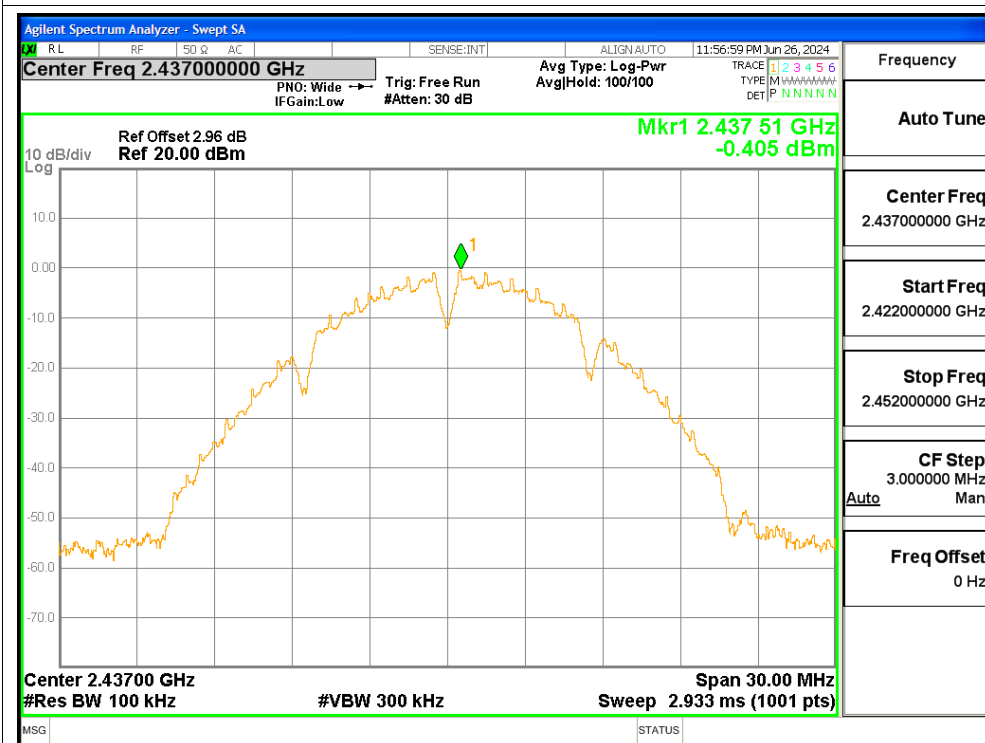
Tx. Spurious NVNT b 2412MHz Ant1 Ref



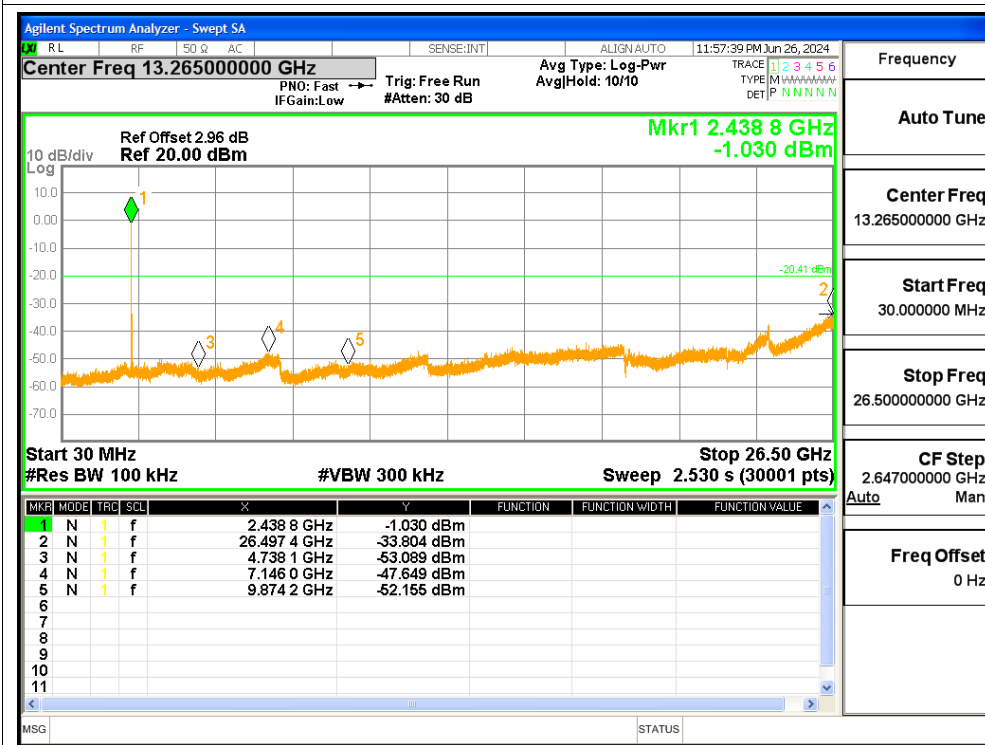
Tx. Spurious NVNT b 2412MHz Ant1 Emission



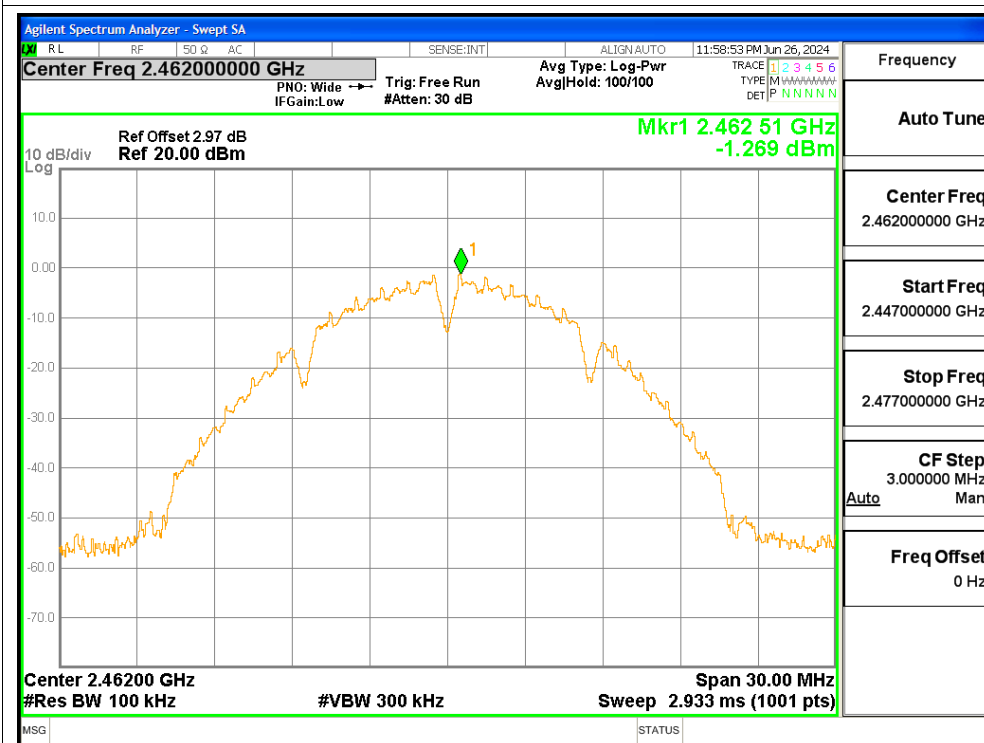
Tx. Spurious NVNT b 2437MHz Ant1 Ref



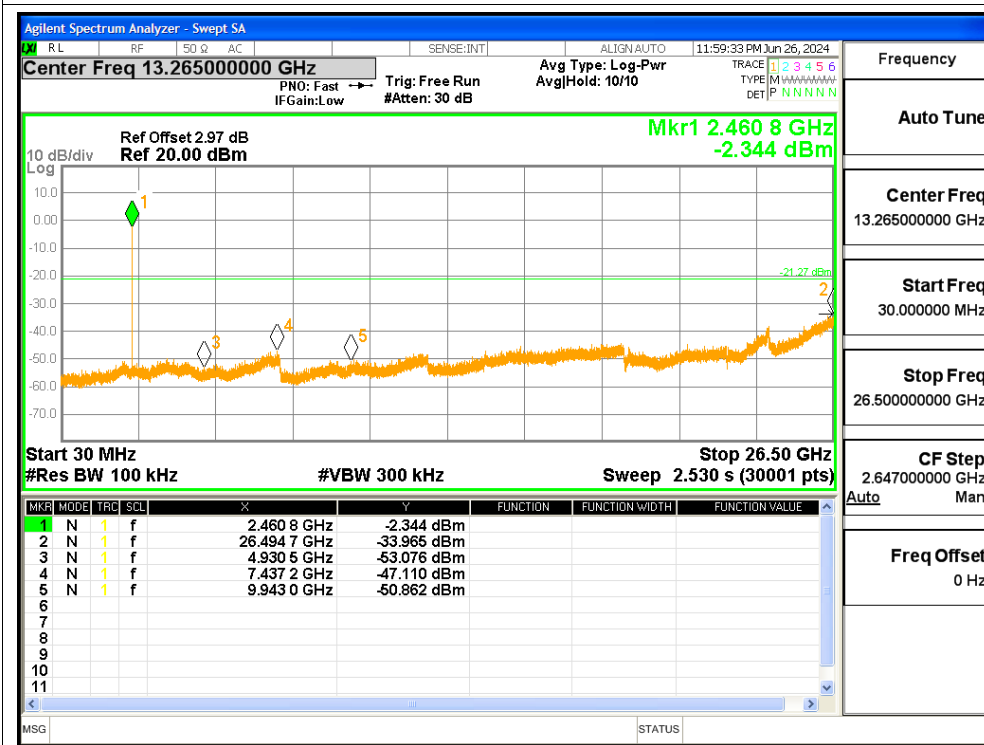
Tx. Spurious NVNT b 2437MHz Ant1 Emission



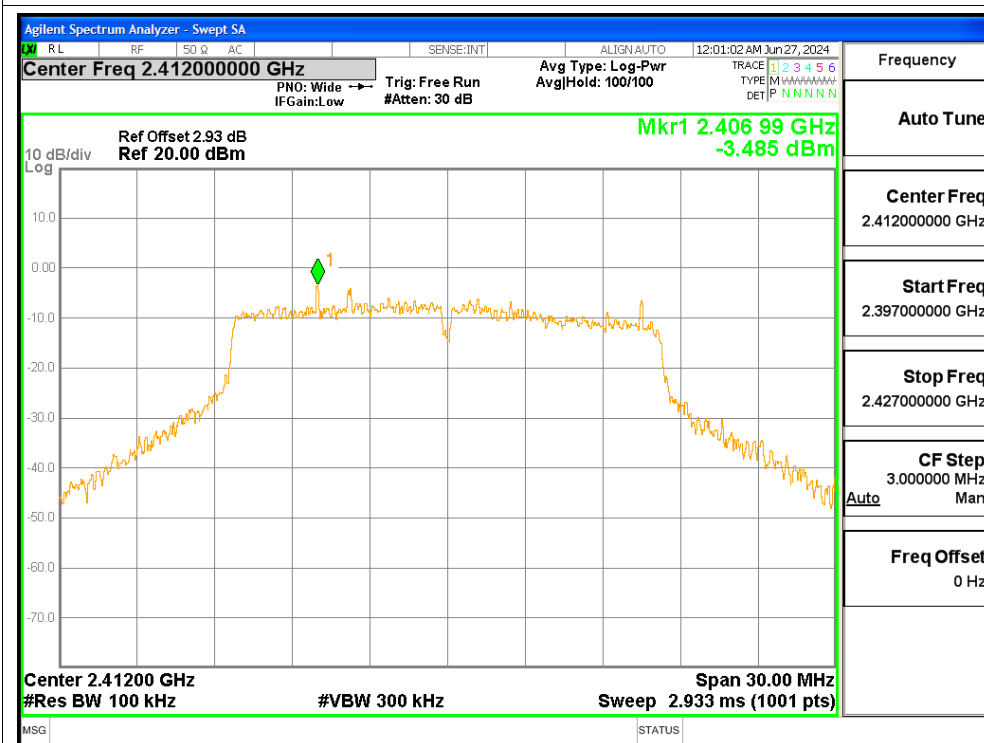
Tx. Spurious NVNT b 2462MHz Ant1 Ref



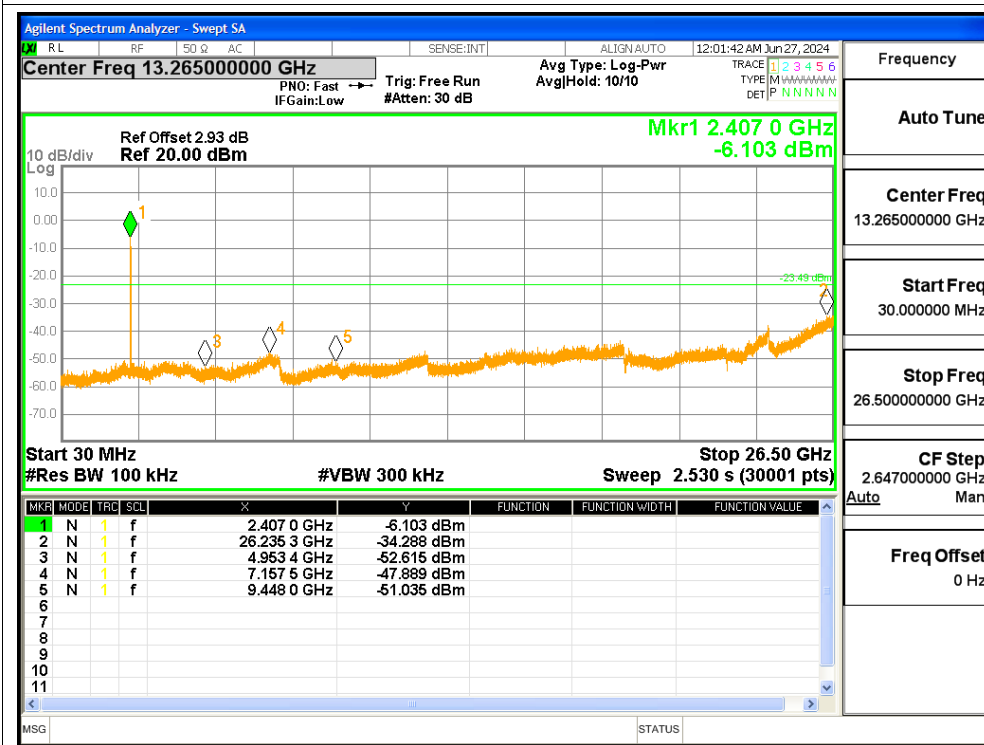
Tx. Spurious NVNT b 2462MHz Ant1 Emission



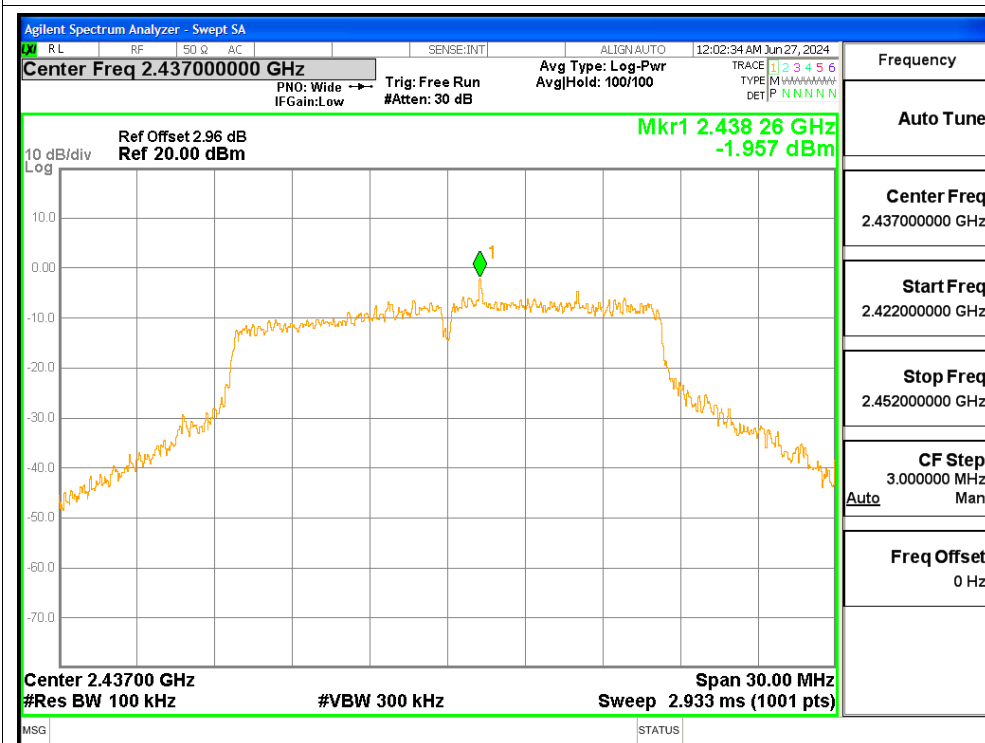
Tx. Spurious NVNT g 2412MHz Ant1 Ref



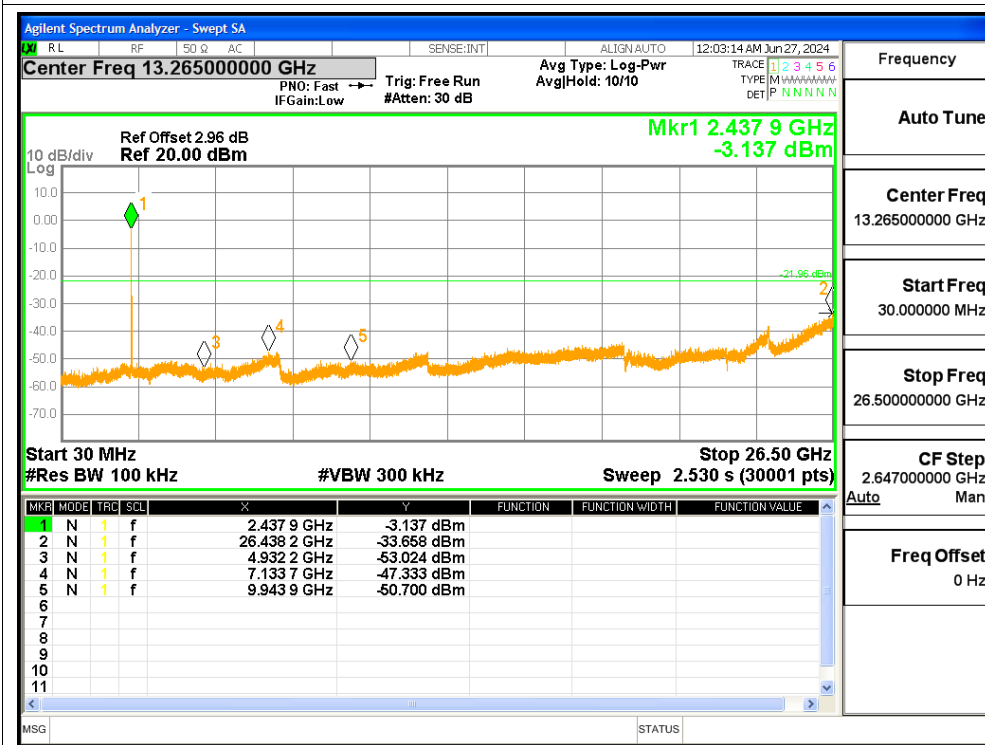
Tx. Spurious NVNT g 2412MHz Ant1 Emission



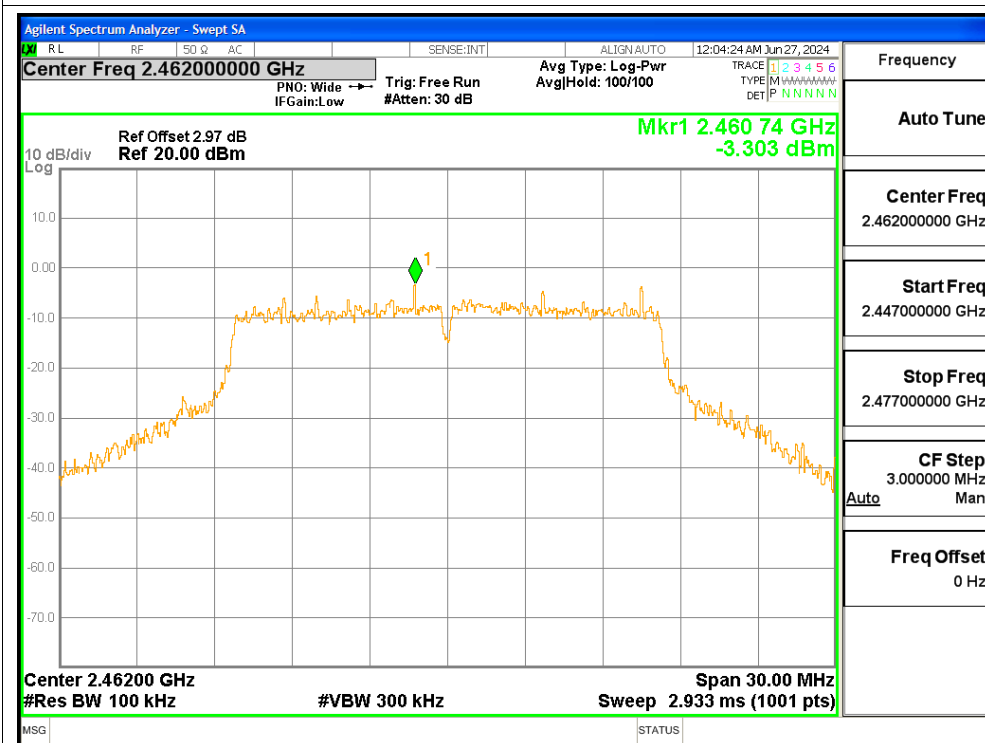
Tx. Spurious NVNT g 2437MHz Ant1 Ref



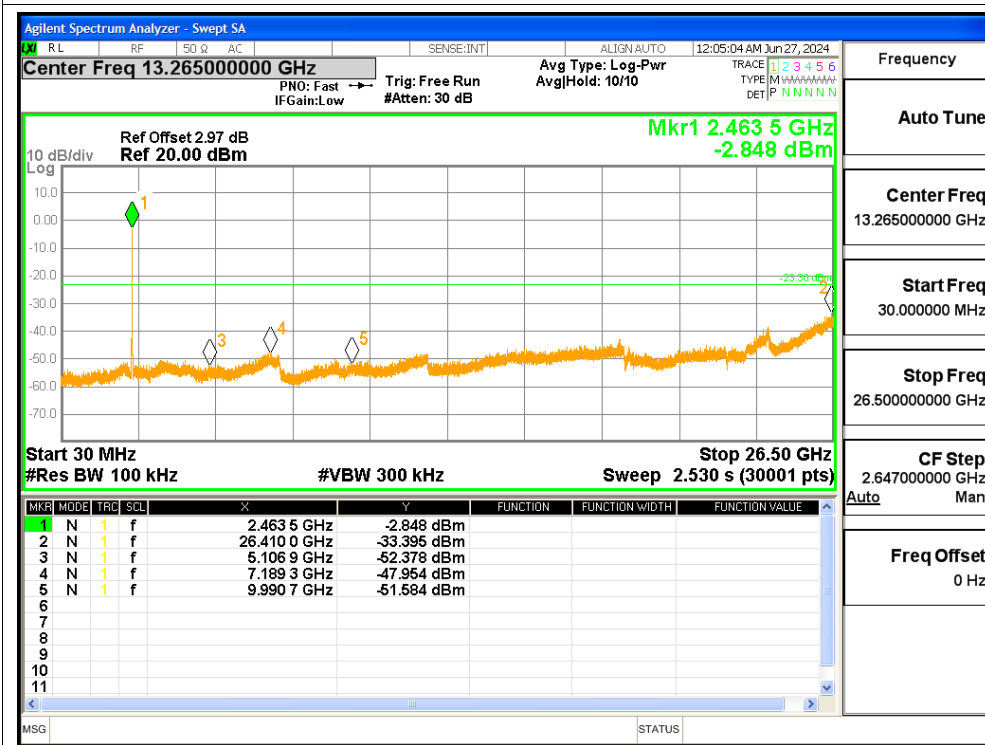
Tx. Spurious NVNT g 2437MHz Ant1 Emission



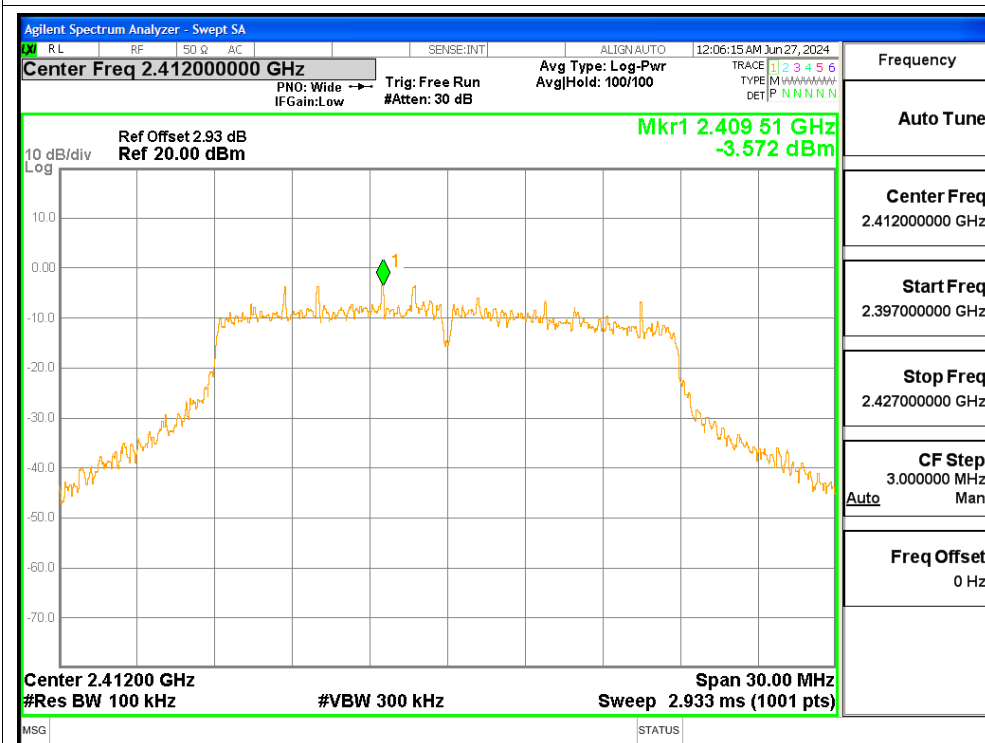
Tx. Spurious NVNT g 2462MHz Ant1 Ref



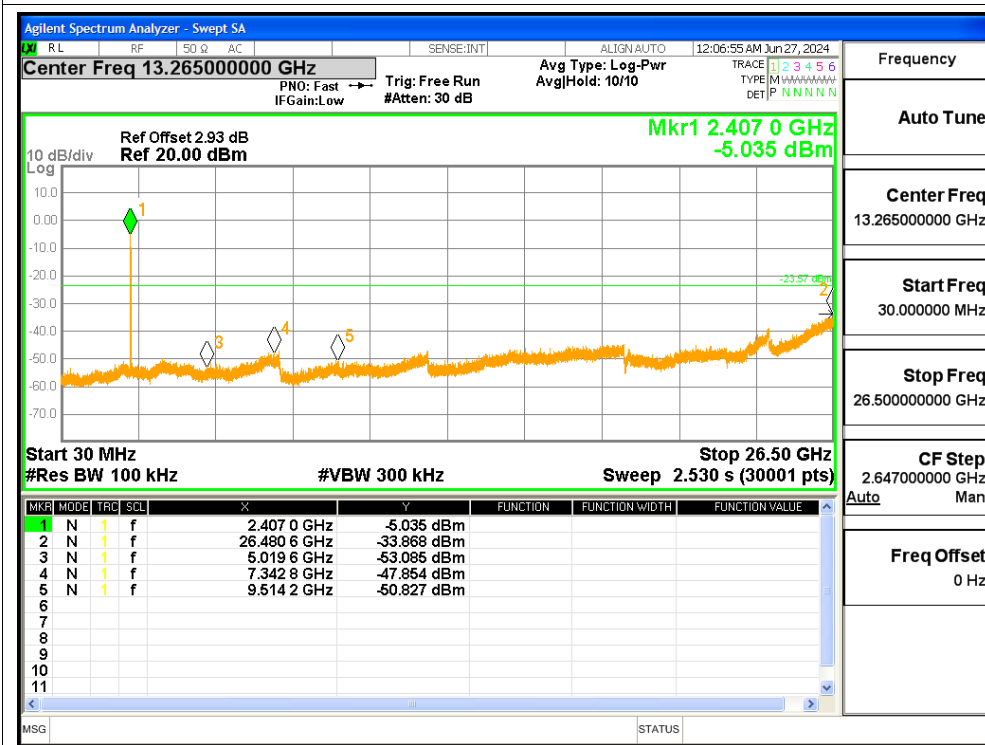
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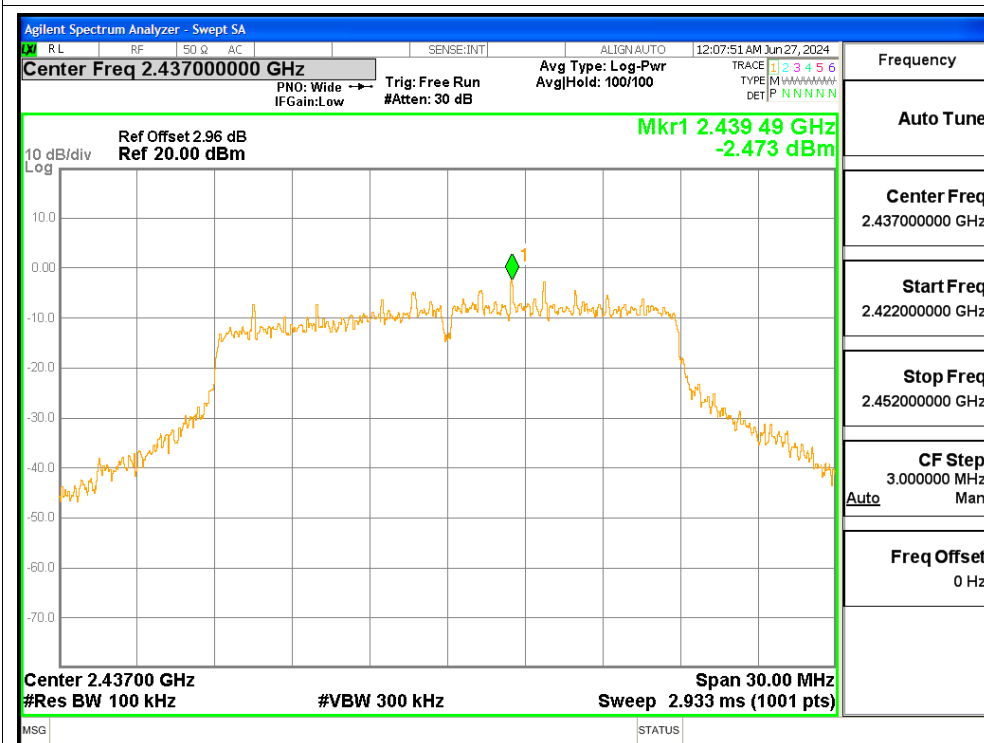
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



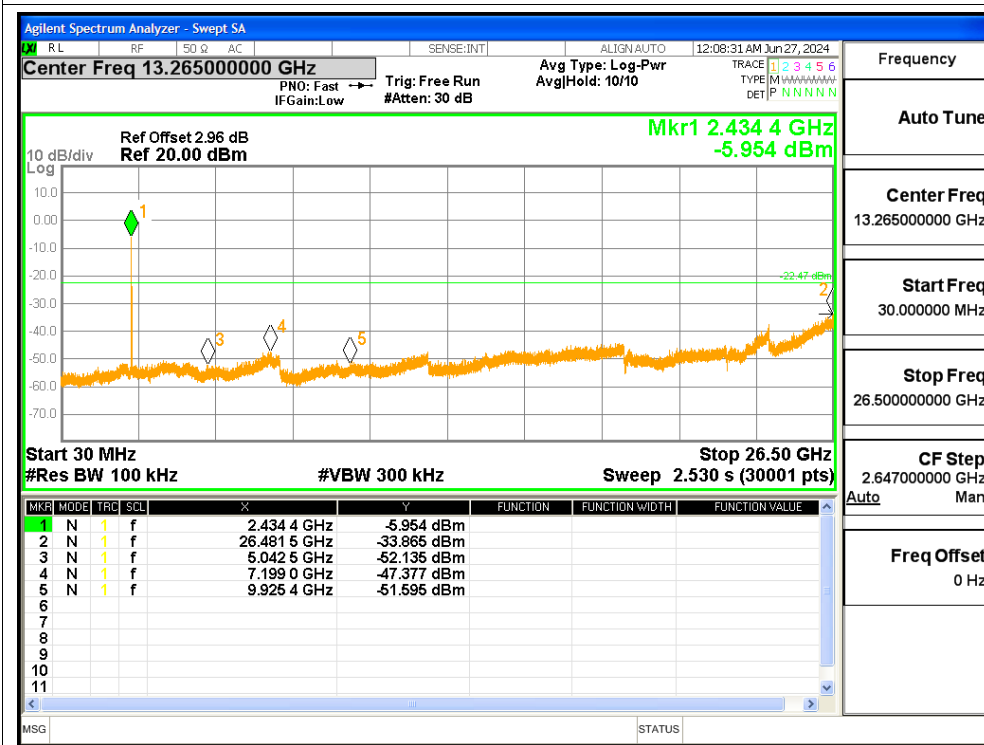
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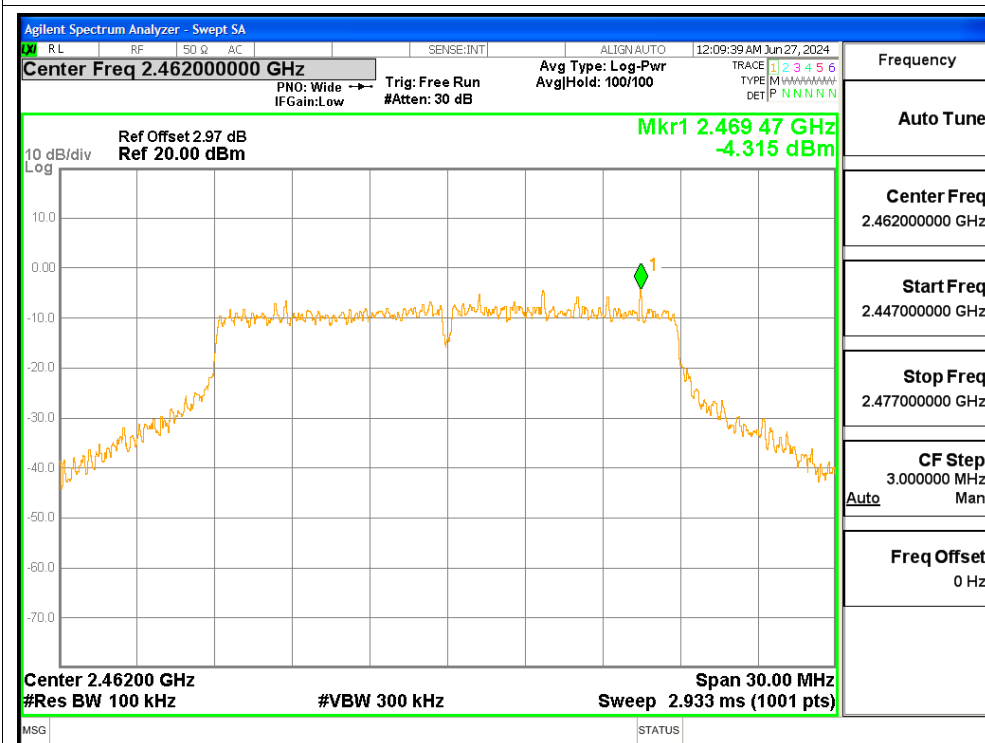
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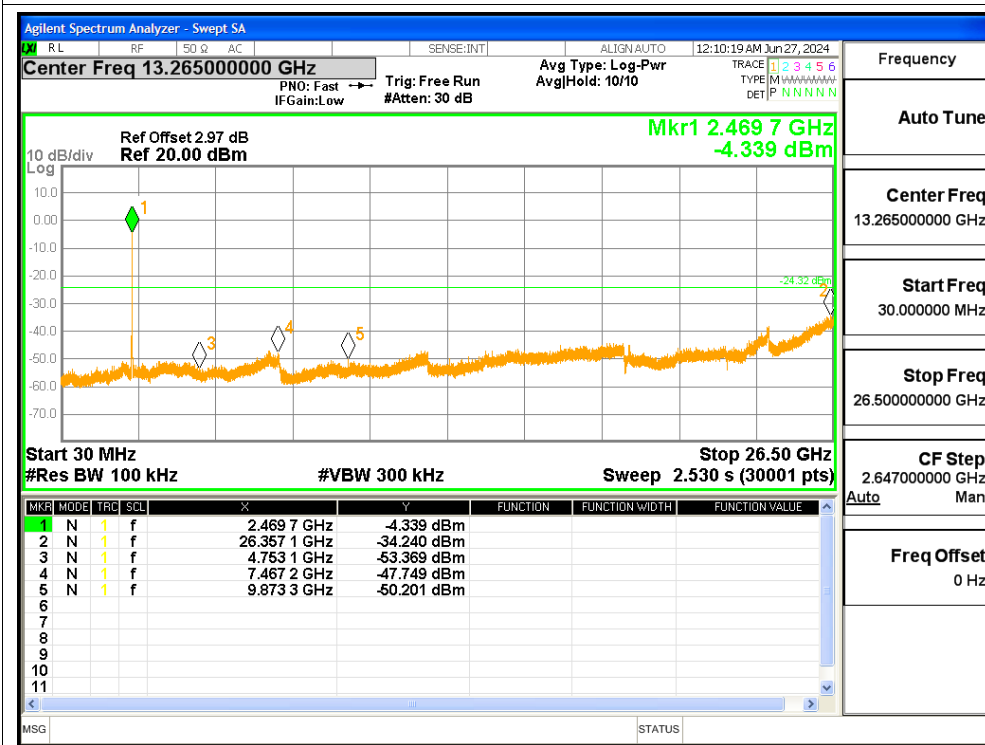
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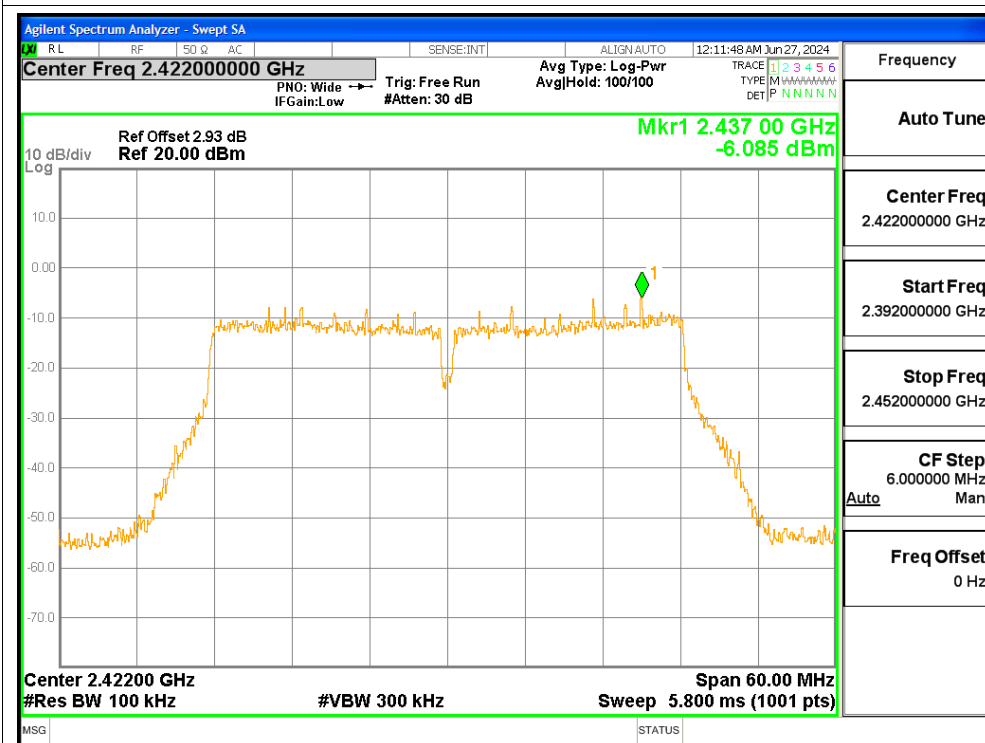
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



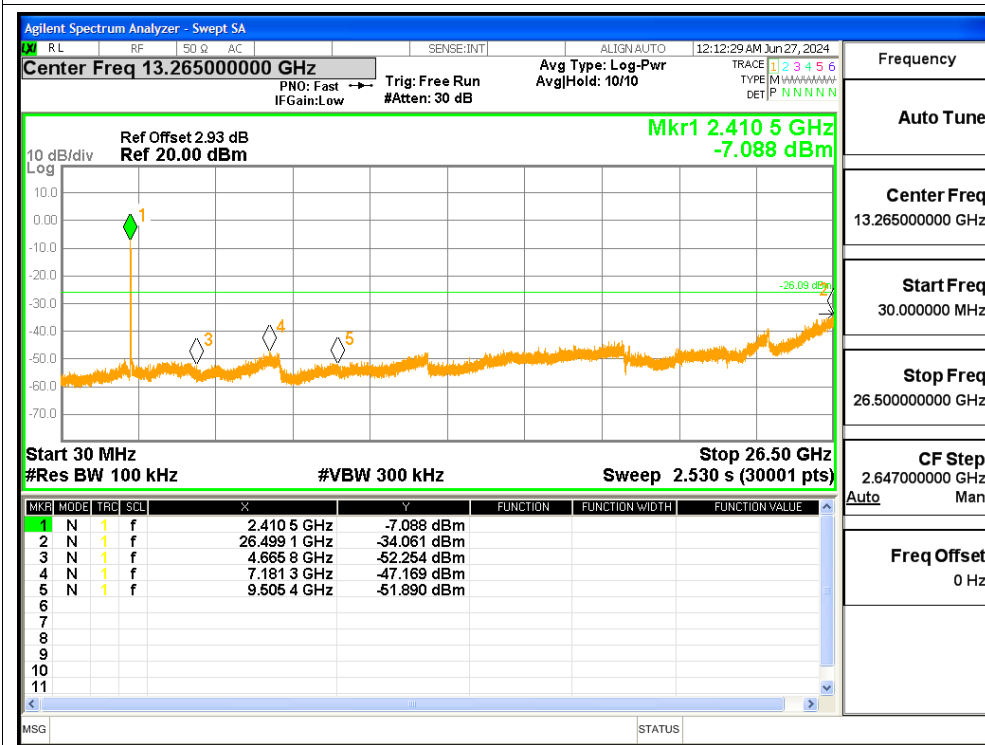
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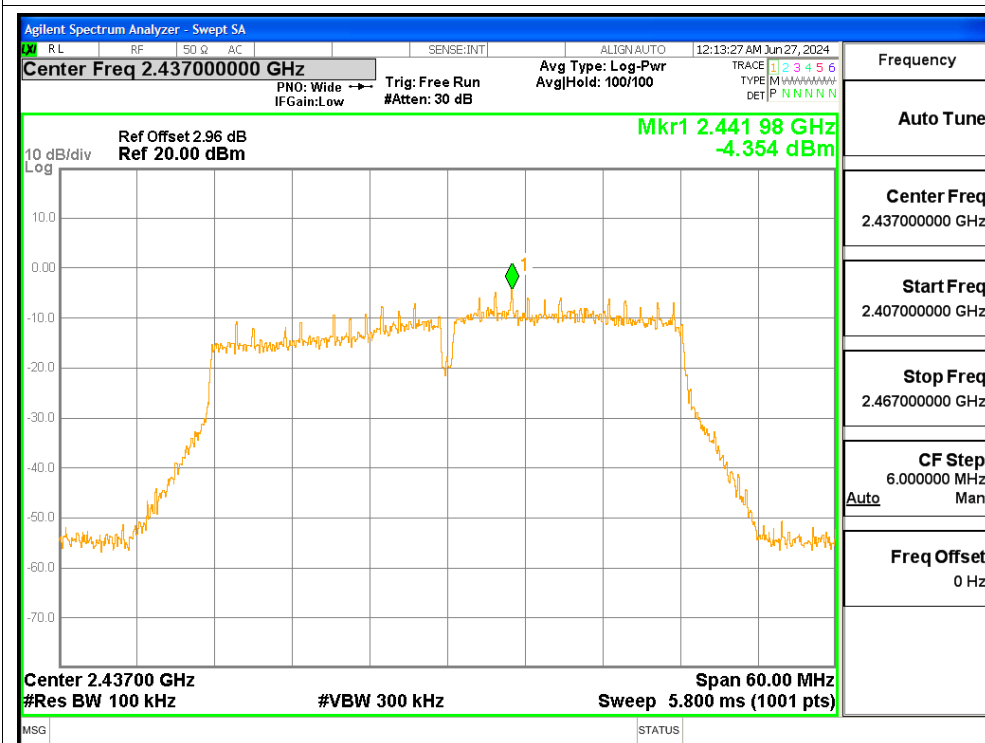
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



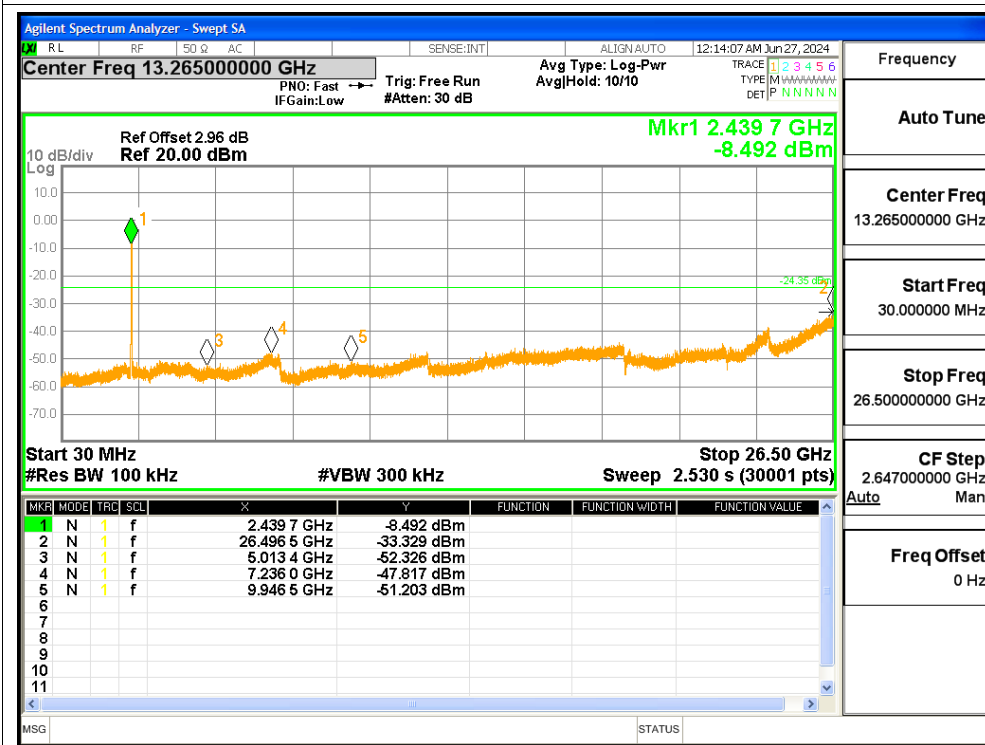
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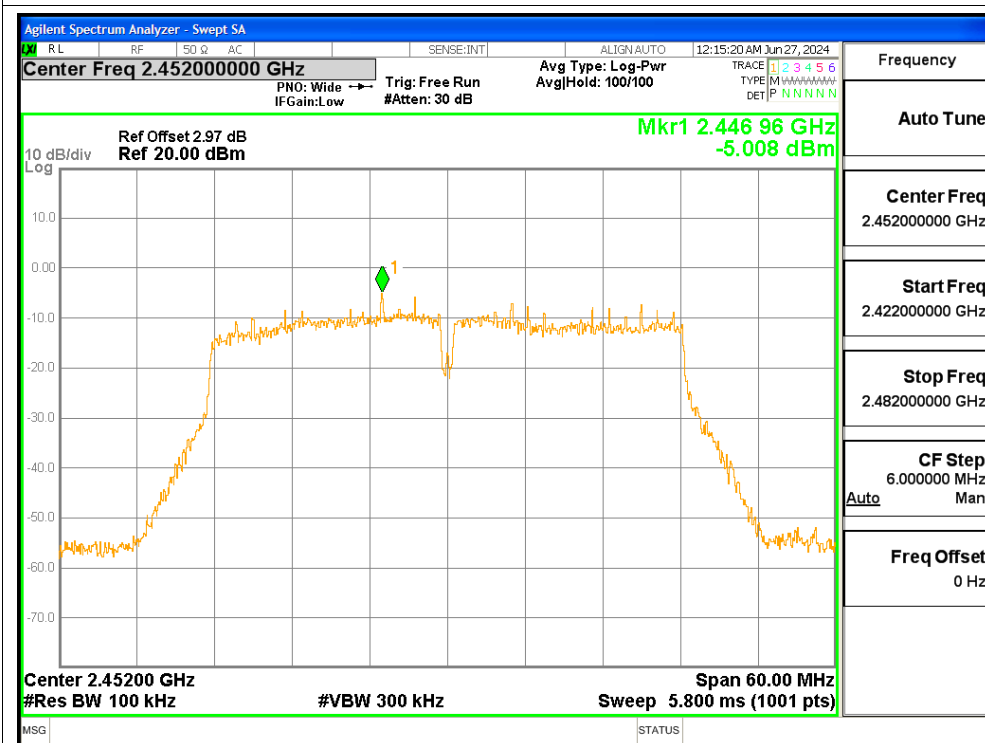
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

