Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	99.68	0
NVNT	b	2437	Ant1	98.89	0
NVNT	b	2462	Ant1	99.44	0
NVNT	g	2412	Ant1	97.18	0.12
NVNT	g	2437	Ant1	98.1	0
NVNT	g	2462	Ant1	94.09	0.26
NVNT	n20	2412	Ant1	95.05	0.22
NVNT	n20	2437	Ant1	96.5	0.15
NVNT	n20	2462	Ant1	91.87	0.37
NVNT	n40	2422	Ant1	18.51	7.33
NVNT	n40	2437	Ant1	18.51	7.33
NVNT	n40	2452	Ant1	18.51	7.33
NVNT	ax20	2412	Ant1	28.37	5.47
NVNT	ax20	2437	Ant1	28.37	5.47
NVNT	ax20	2462	Ant1	28.37	5.47
NVNT	ax40	2422	Ant1	17.22	7.64
NVNT	ax40	2437	Ant1	16.89	7.72
NVNT	ax40	2452	Ant1	16.89	7.72

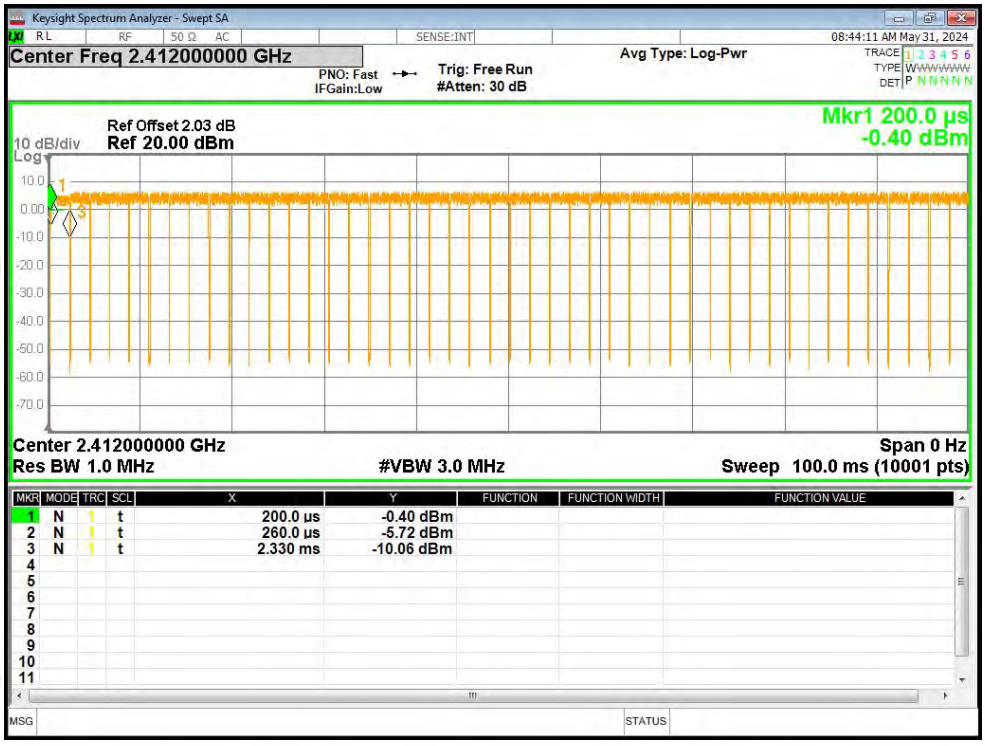
Test Graphs

Duty Cycle NVNT b 2412MHz Ant1

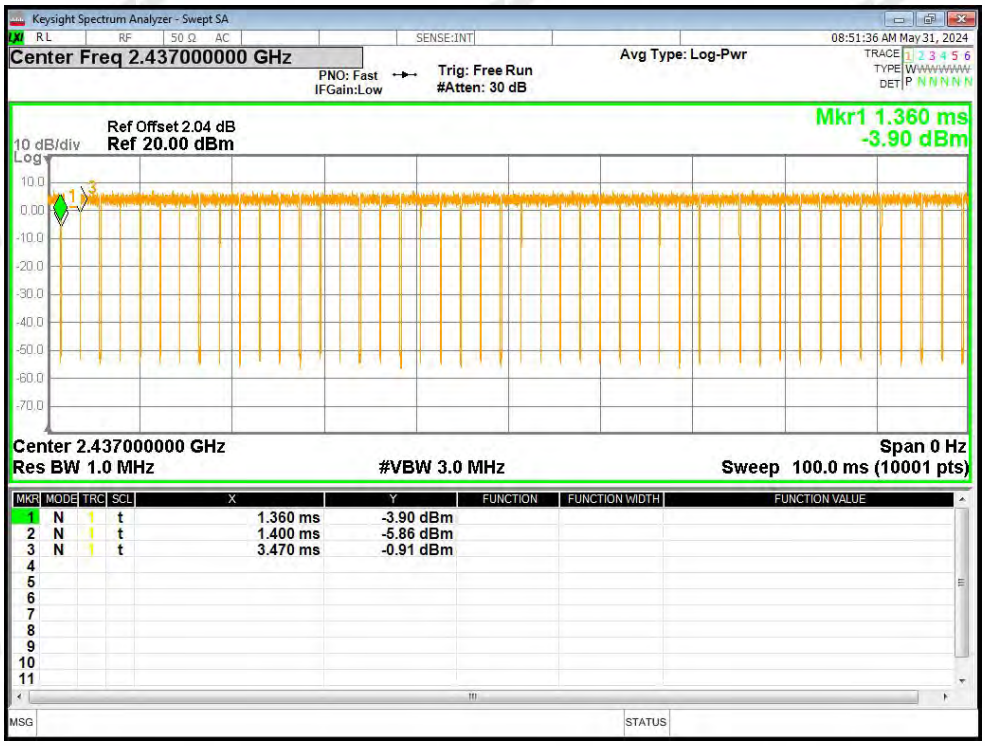
Duty Cycle NVNT b 2437MHz Ant1

Duty Cycle NVNT b 2462MHz Ant1

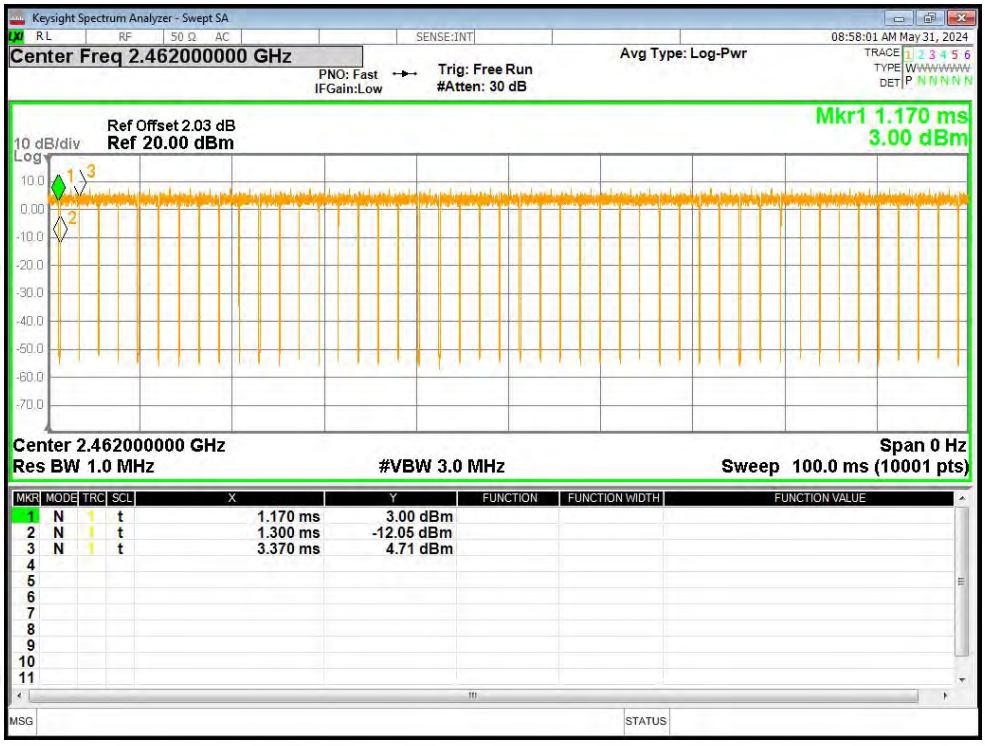
Duty Cycle NVNT g 2412MHz Ant1



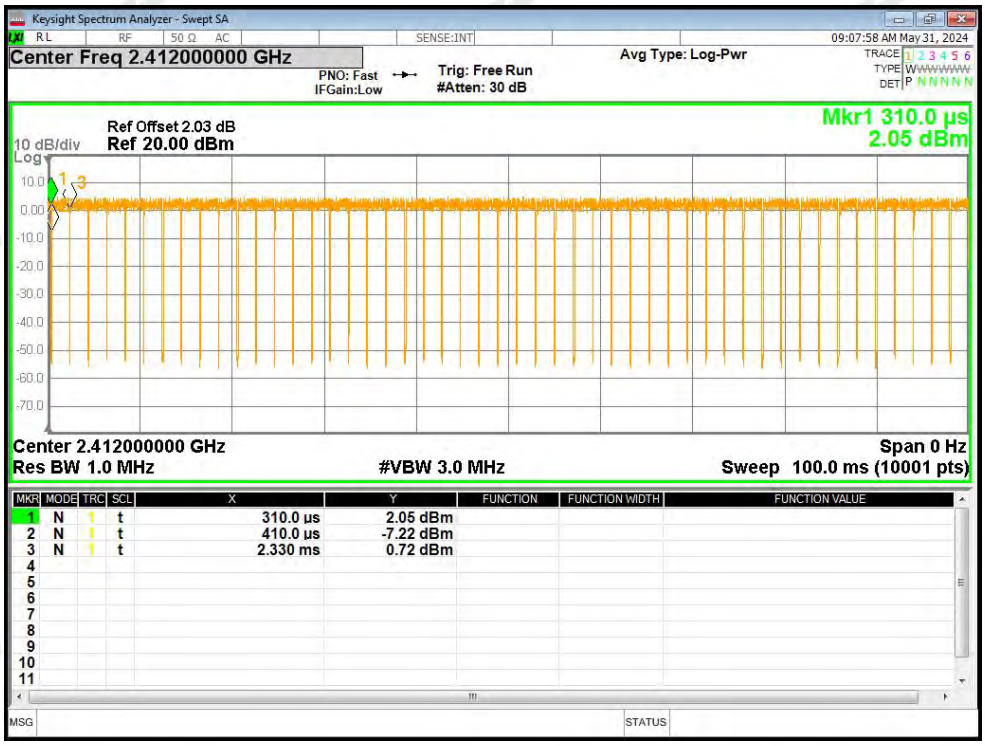
Duty Cycle NVNT g 2437MHz Ant1



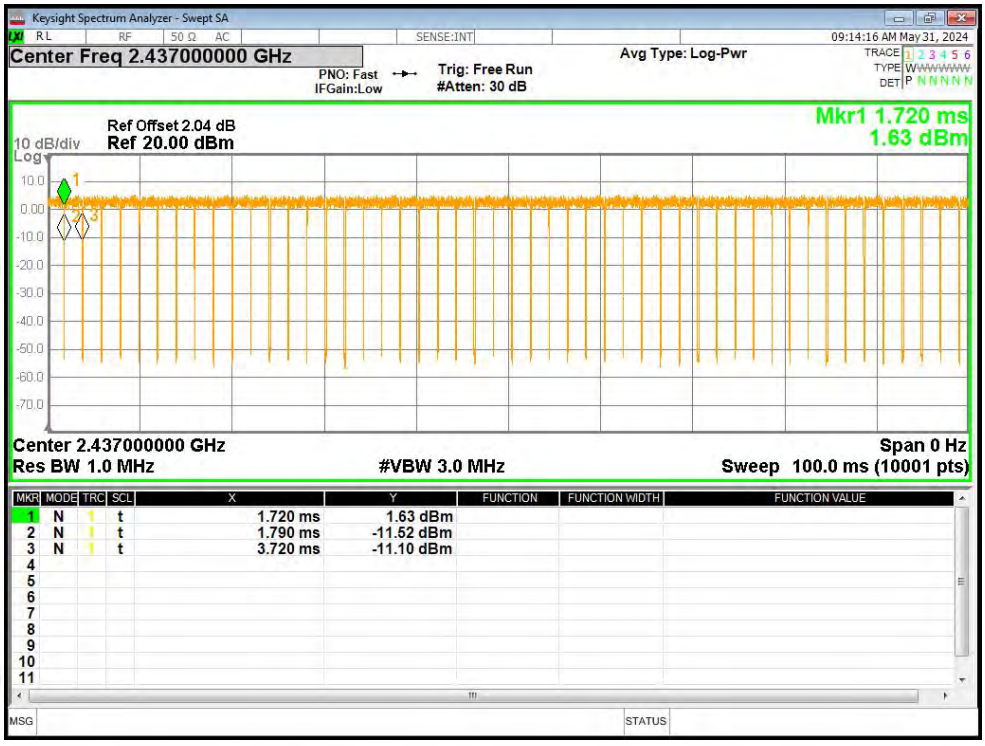
Duty Cycle NVNT g 2462MHz Ant1



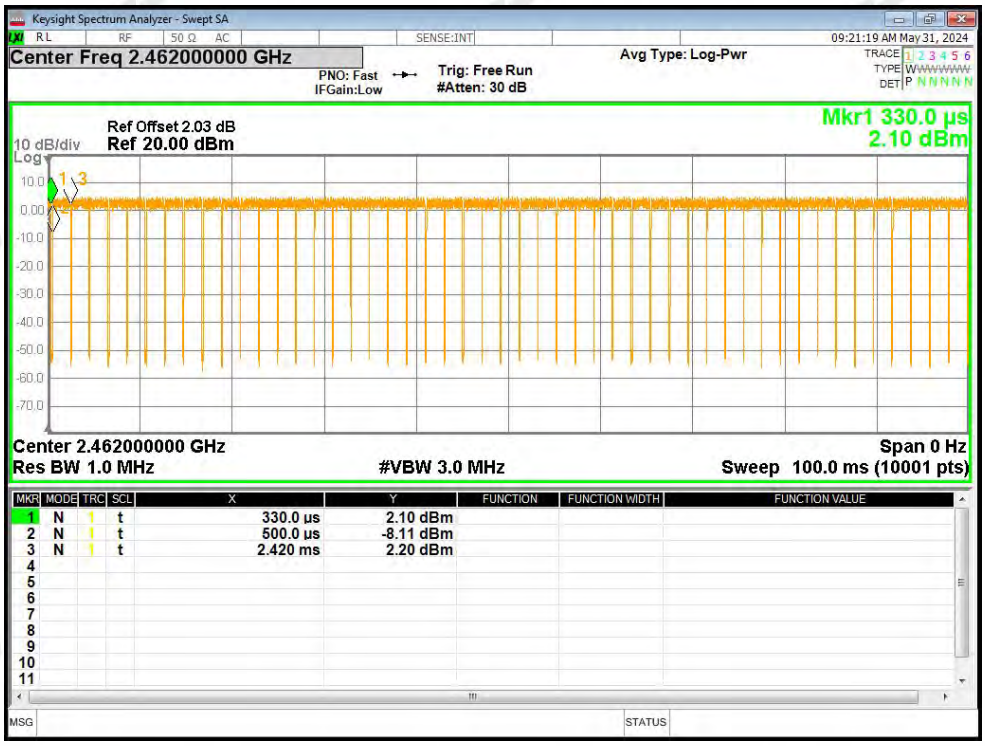
Duty Cycle NVNT n20 2412MHz Ant1



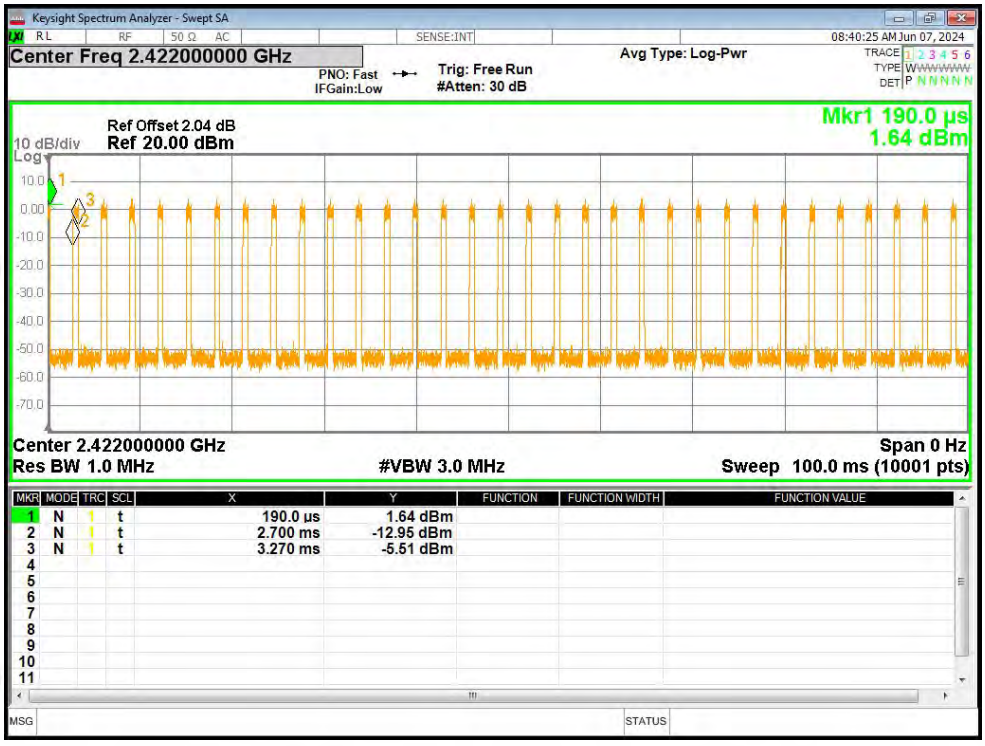
Duty Cycle NVNT n20 2437MHz Ant1



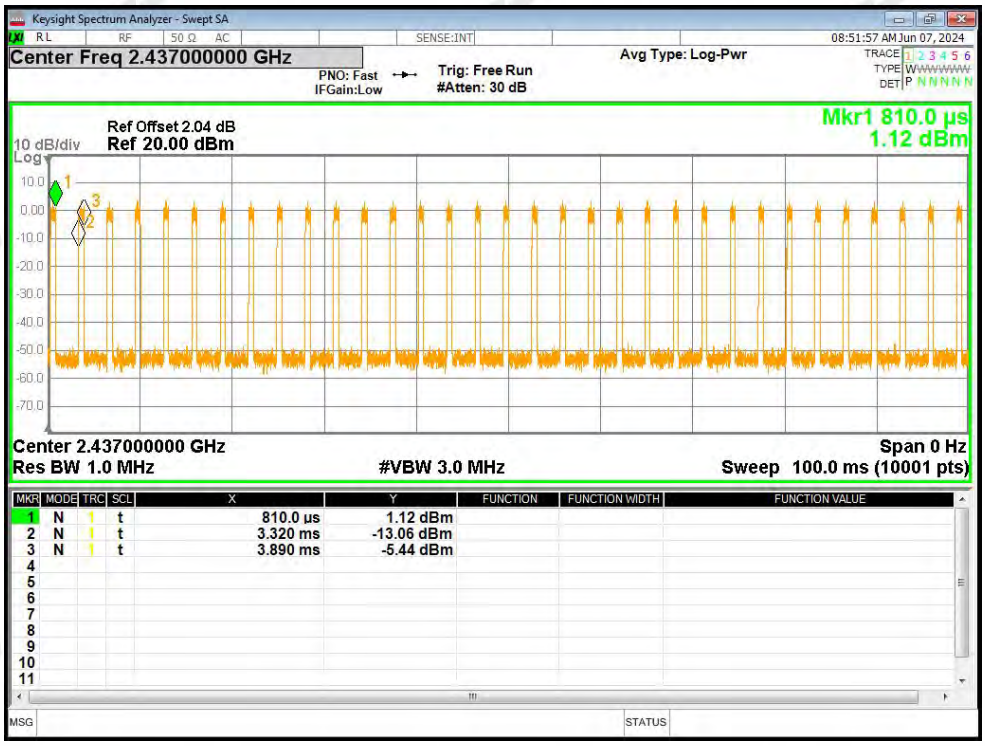
Duty Cycle NVNT n20 2462MHz Ant1



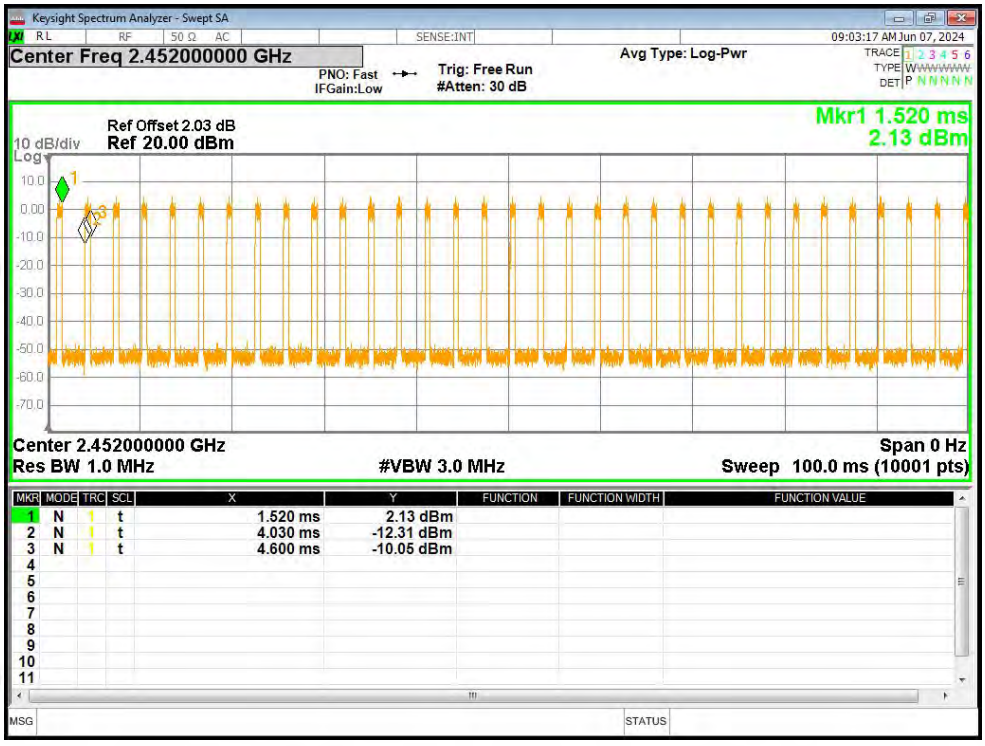
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1

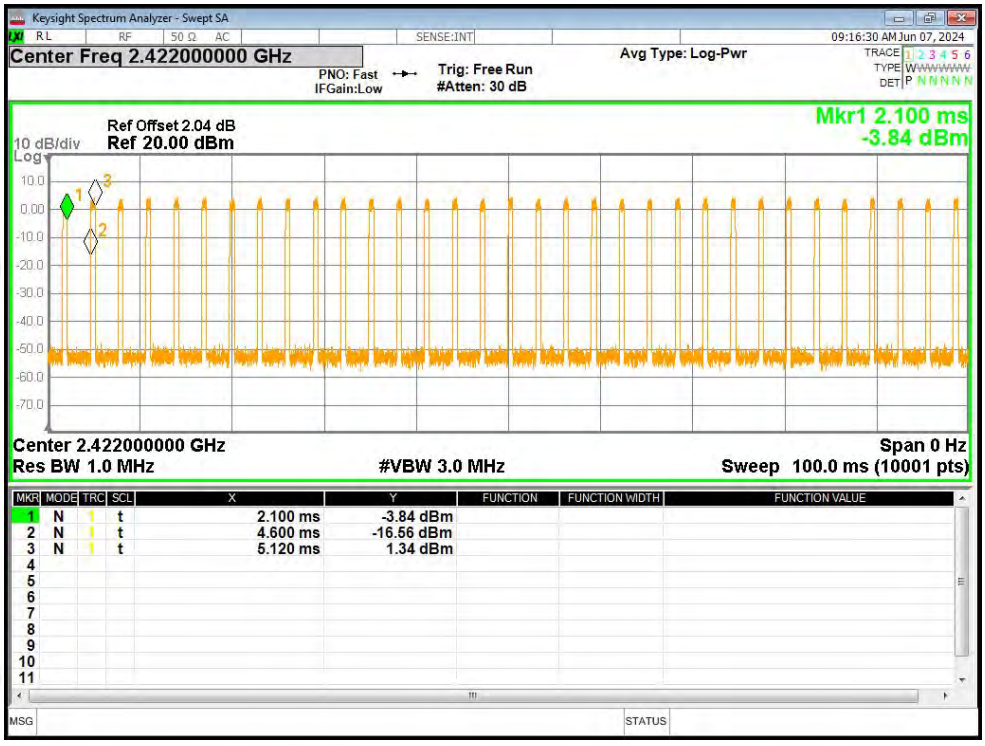


Duty Cycle NVNT ax20 2412MHz Ant1

Duty Cycle NVNT ax20 2437MHz Ant1

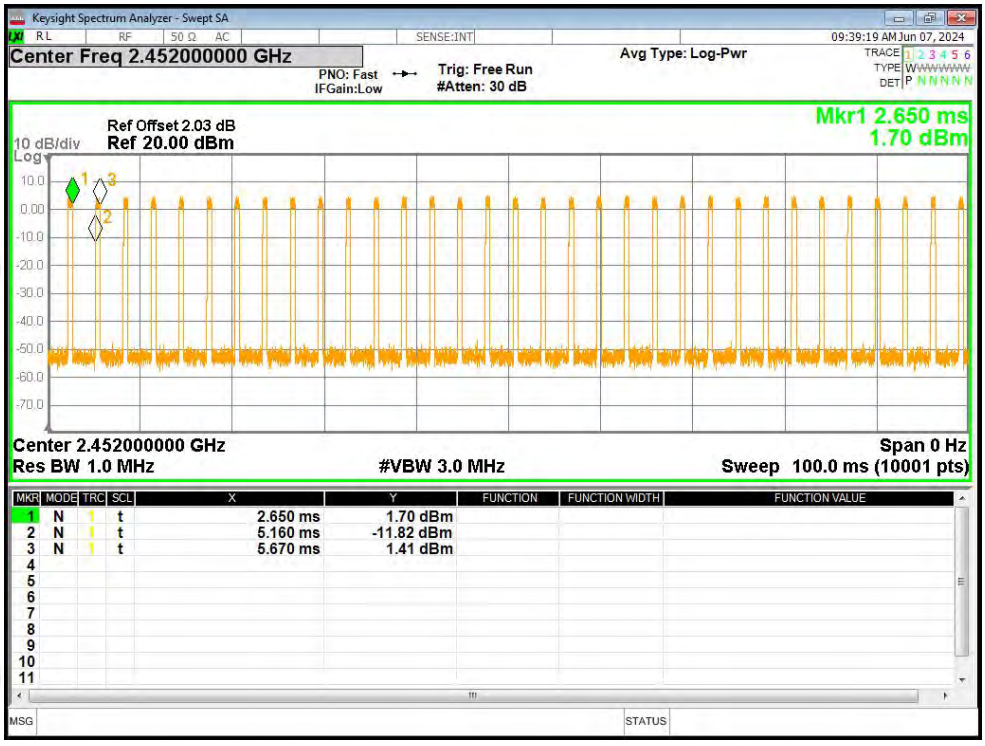
Duty Cycle NVNT ax20 2462MHz Ant1

Duty Cycle NVNT ax40 2422MHz Ant1



Duty Cycle NVNT ax40 2437MHz Ant1

Duty Cycle NVNT ax40 2452MHz Ant1



Maximum Peak Conducted Output Power

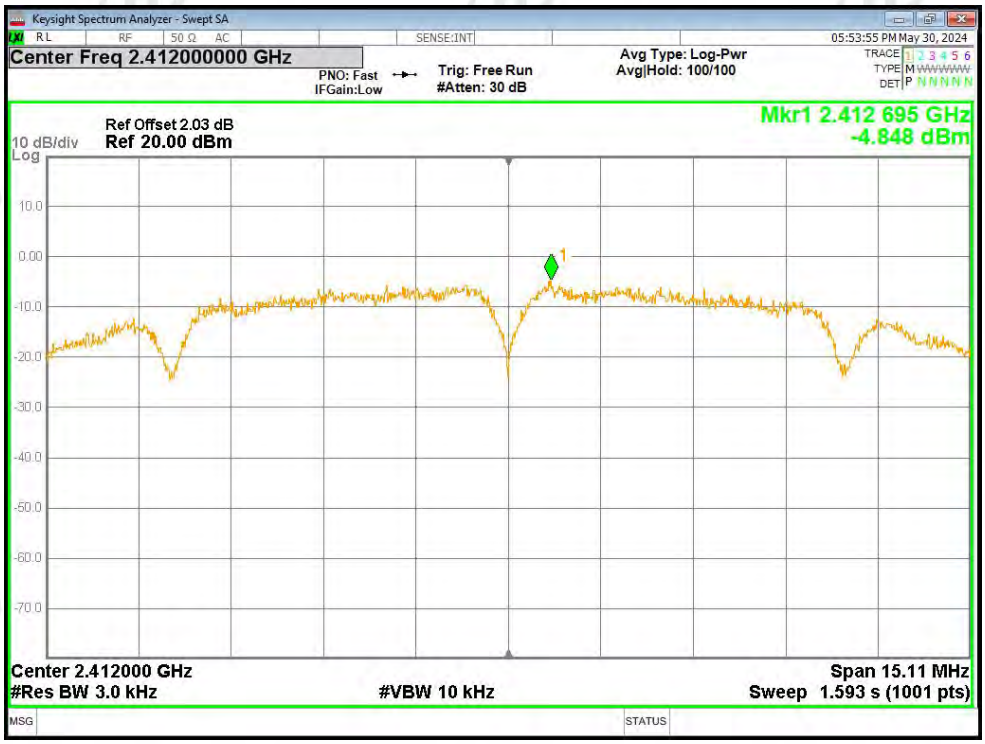
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	19.49	30	Pass
NVNT	b	2437	Ant1	18.91	30	Pass
NVNT	b	2462	Ant1	18.67	30	Pass
NVNT	g	2412	Ant1	16.87	30	Pass
NVNT	g	2437	Ant1	16.61	30	Pass
NVNT	g	2462	Ant1	16.38	30	Pass
NVNT	n20	2412	Ant1	15.25	30	Pass
NVNT	n20	2437	Ant1	15.6	30	Pass
NVNT	n20	2462	Ant1	15.41	30	Pass
NVNT	n40	2422	Ant1	16.46	30	Pass
NVNT	n40	2437	Ant1	16.01	30	Pass
NVNT	n40	2452	Ant1	17.04	30	Pass
NVNT	ax20	2412	Ant1	15.93	30	Pass
NVNT	ax20	2437	Ant1	16.48	30	Pass
NVNT	ax20	2462	Ant1	17.1	30	Pass
NVNT	ax40	2422	Ant1	16.84	30	Pass
NVNT	ax40	2437	Ant1	16.92	30	Pass
NVNT	ax40	2452	Ant1	17.48	30	Pass

Maximum Power Spectral Density Level

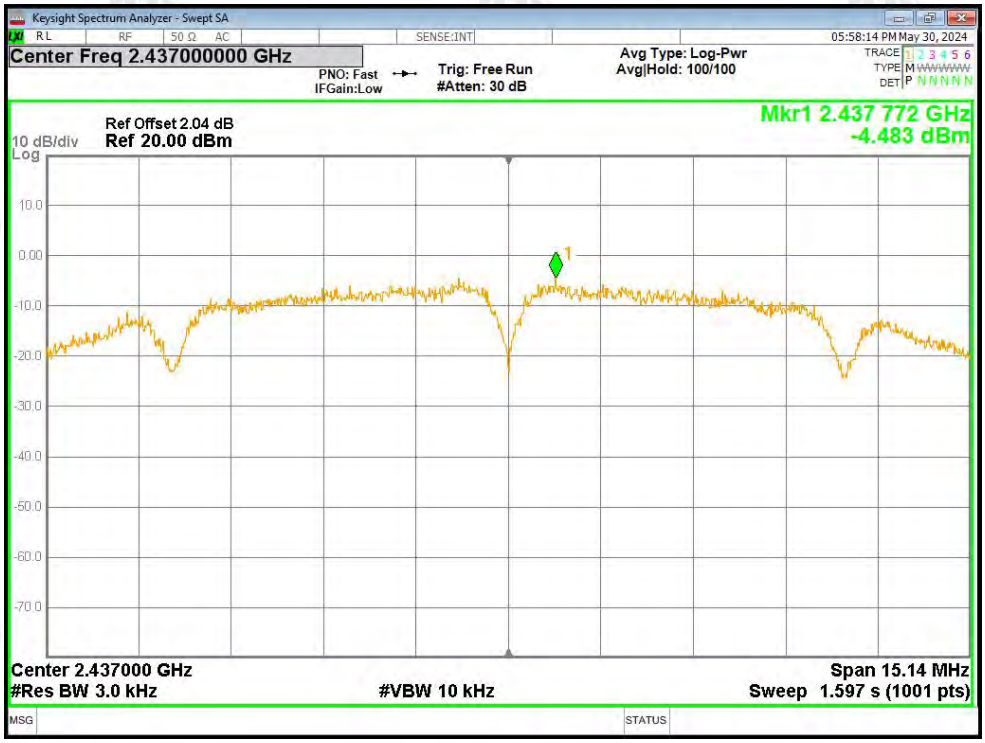
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-4.85	8	Pass
NVNT	b	2437	Ant1	-4.48	8	Pass
NVNT	b	2462	Ant1	-4.26	8	Pass
NVNT	g	2412	Ant1	-13.3	8	Pass
NVNT	g	2437	Ant1	-12.22	8	Pass
NVNT	g	2462	Ant1	-13.24	8	Pass
NVNT	n20	2412	Ant1	-14.34	8	Pass
NVNT	n20	2437	Ant1	-13.48	8	Pass
NVNT	n20	2462	Ant1	-14.76	8	Pass
NVNT	n40	2422	Ant1	-17.92	8	Pass
NVNT	n40	2437	Ant1	-17.59	8	Pass
NVNT	n40	2452	Ant1	-16.79	8	Pass
NVNT	ax20	2412	Ant1	-15.9	8	Pass
NVNT	ax20	2437	Ant1	-15.72	8	Pass
NVNT	ax20	2462	Ant1	-15.04	8	Pass
NVNT	ax40	2422	Ant1	-16.04	8	Pass
NVNT	ax40	2437	Ant1	-15.8	8	Pass
NVNT	ax40	2452	Ant1	-15.56	8	Pass

Test Graphs

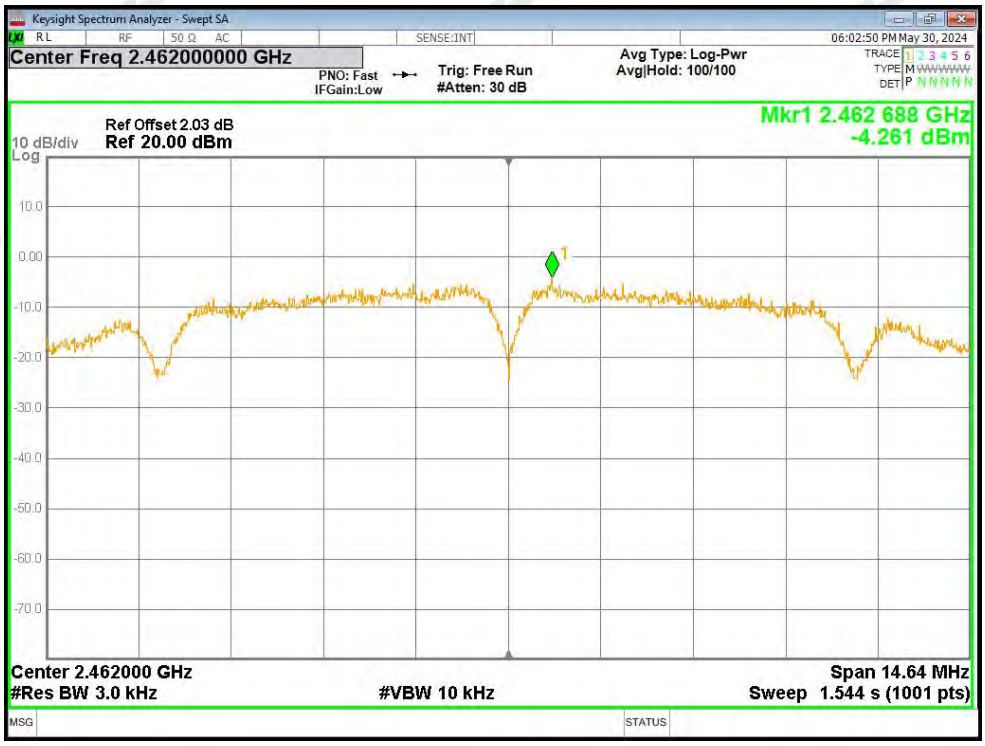
PSD NVNT b 2412MHz Ant1



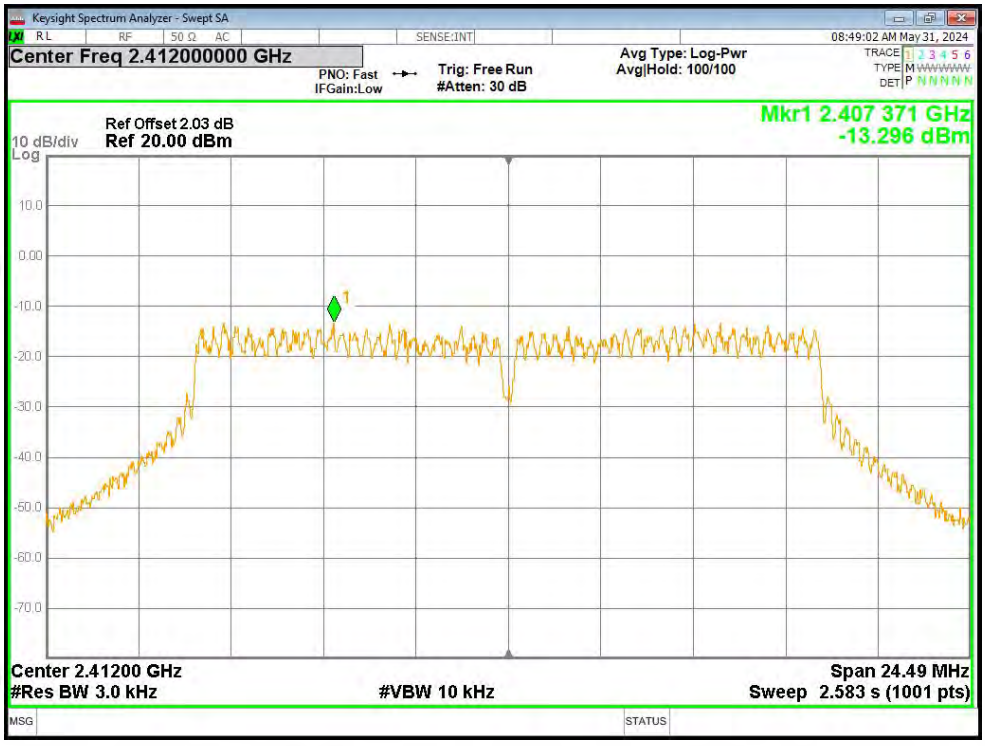
PSD NVNT b 2437MHz Ant1



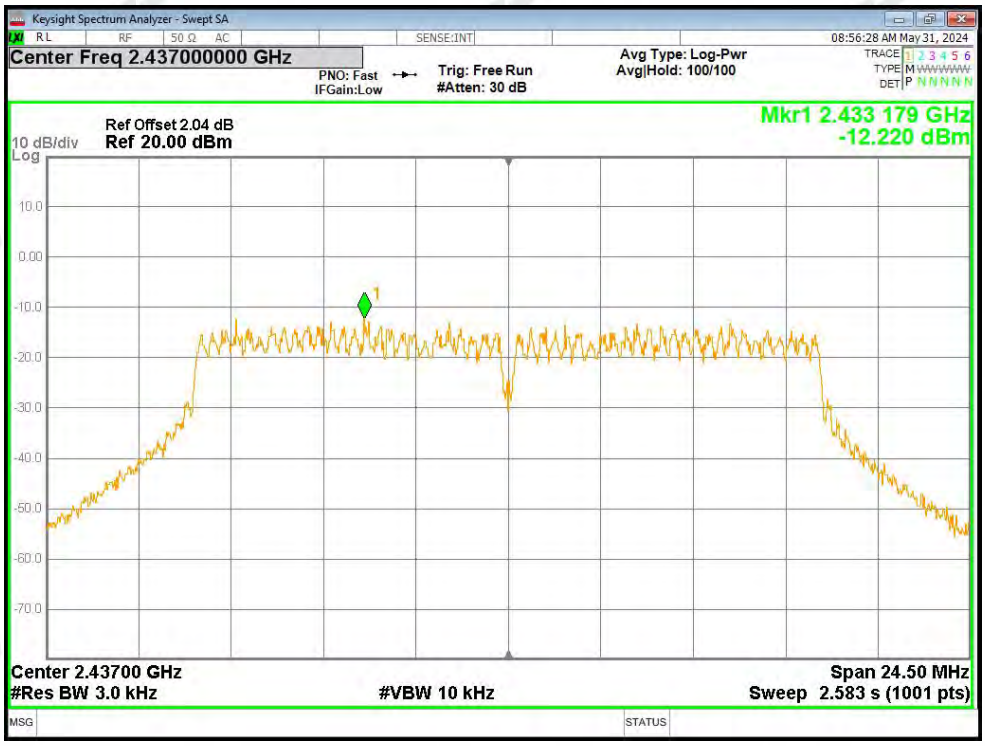
PSD NVNT b 2462MHz Ant1



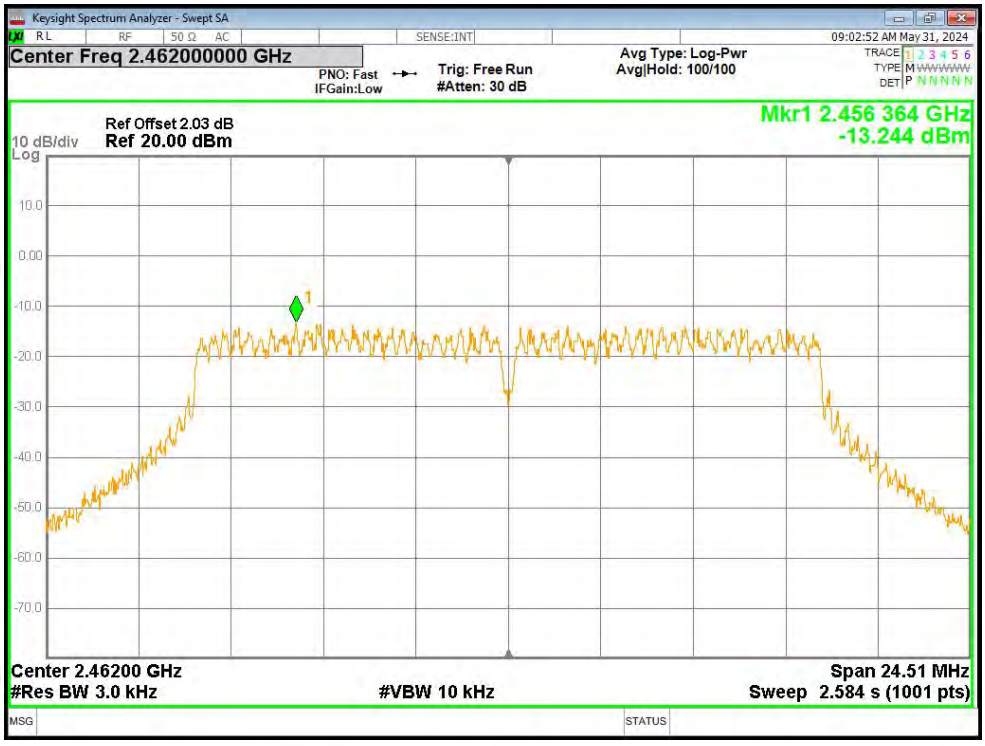
PSD NVNT g 2412MHz Ant1



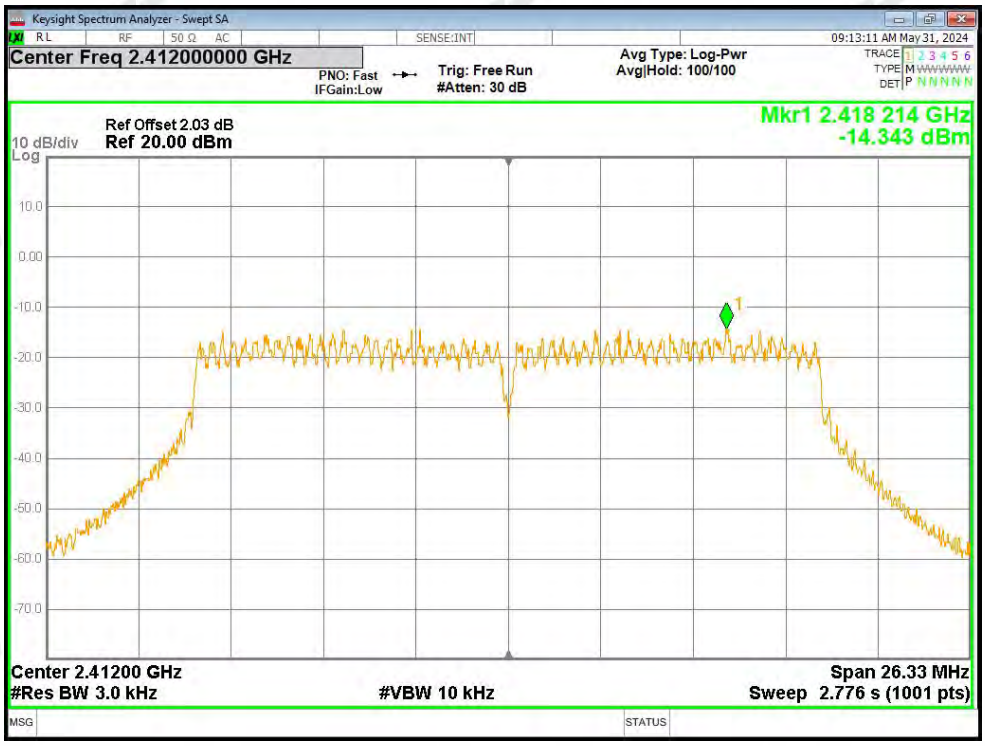
PSD NVNT g 2437MHz Ant1



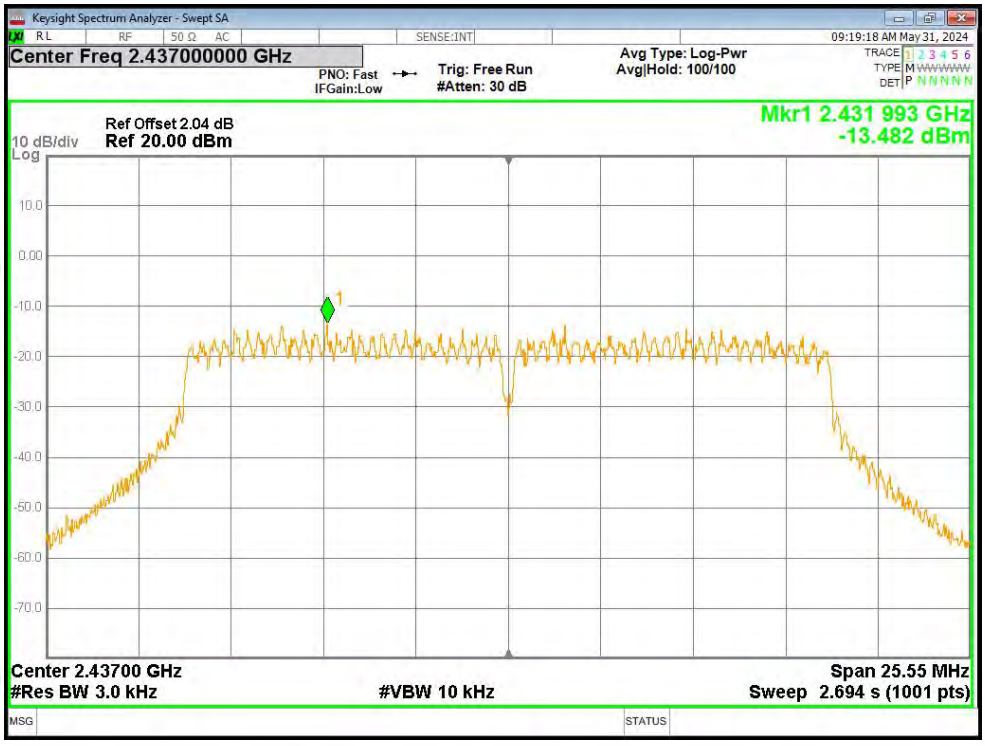
PSD NVNT g 2462MHz Ant1



PSD NVNT n20 2412MHz Ant1

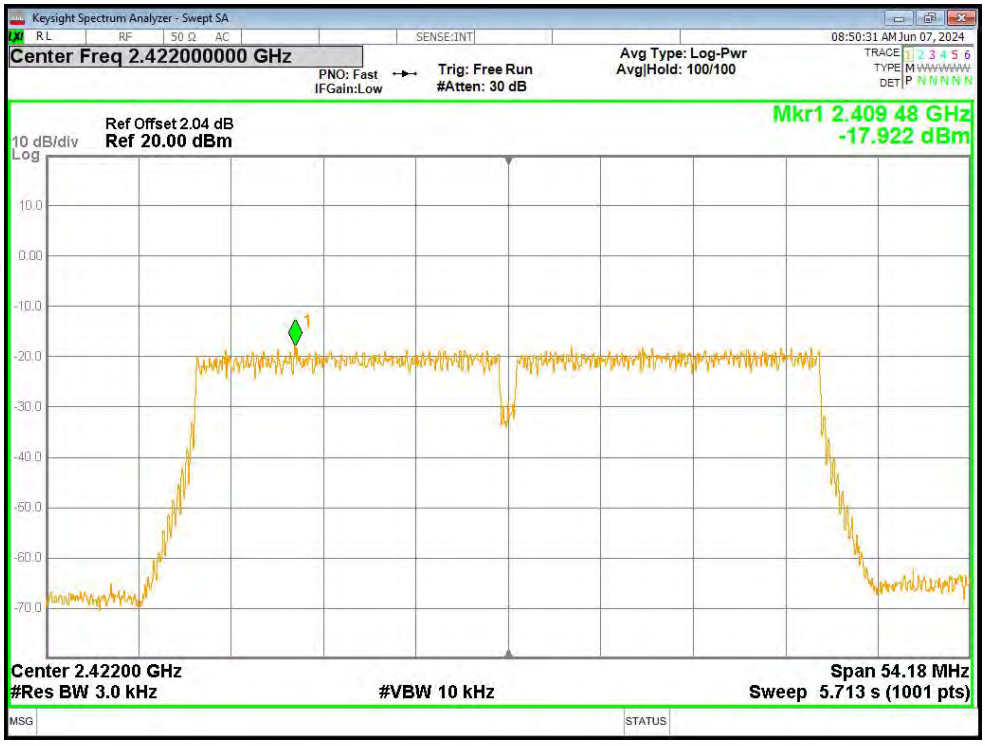


PSD NVNT n20 2437MHz Ant1

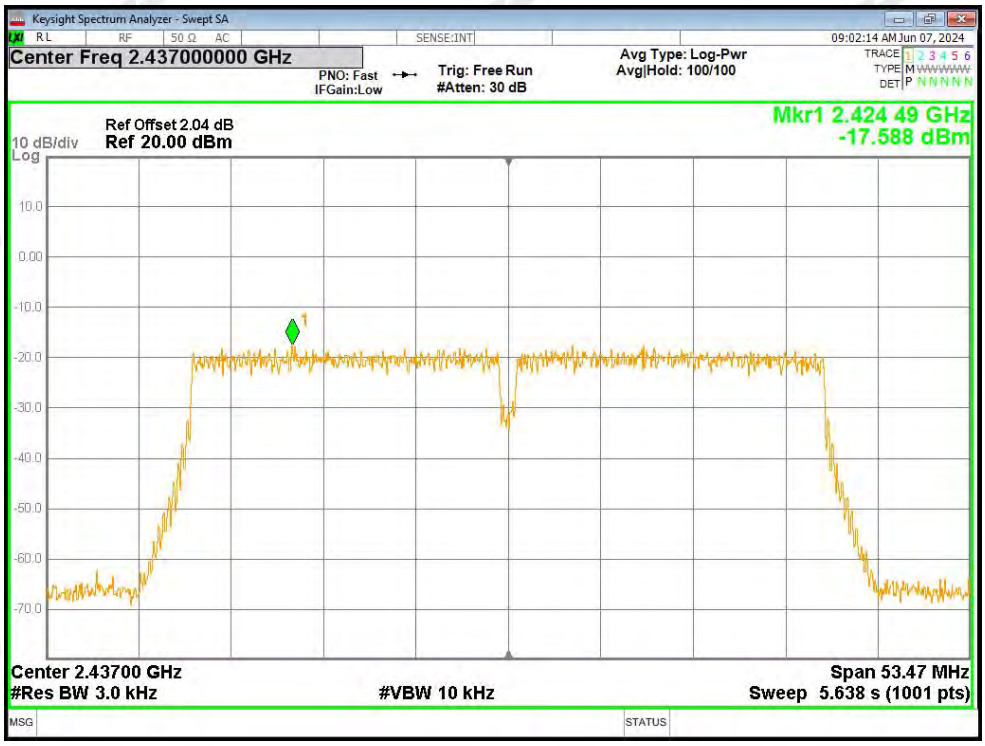


PSD NVNT n20 2462MHz Ant1

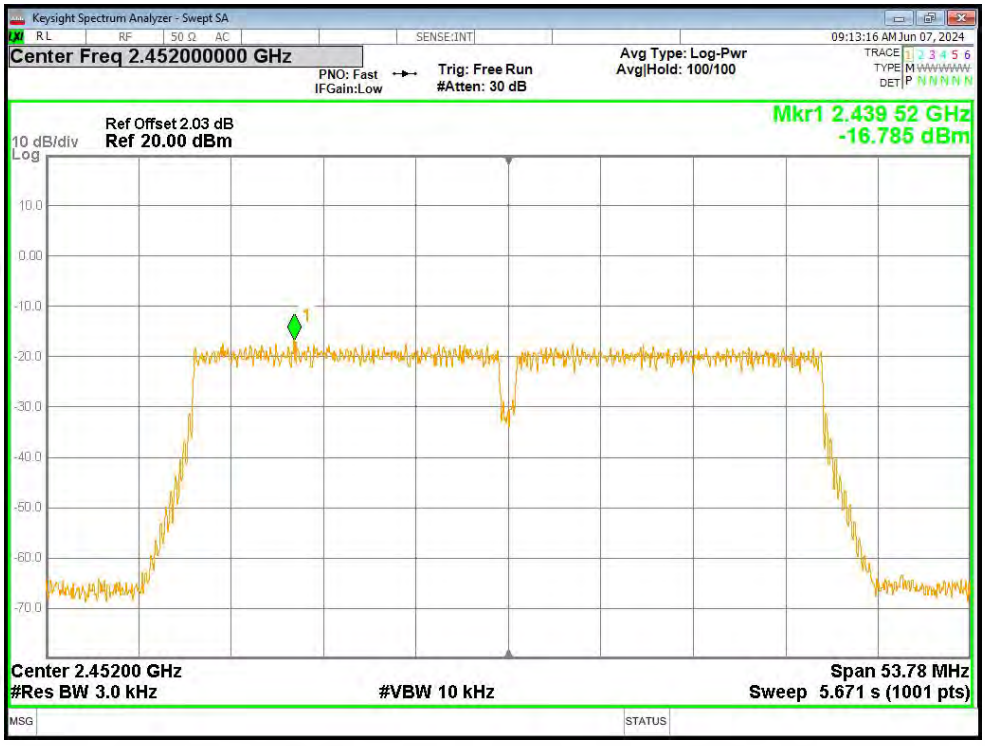
PSD NVNT n40 2422MHz Ant1



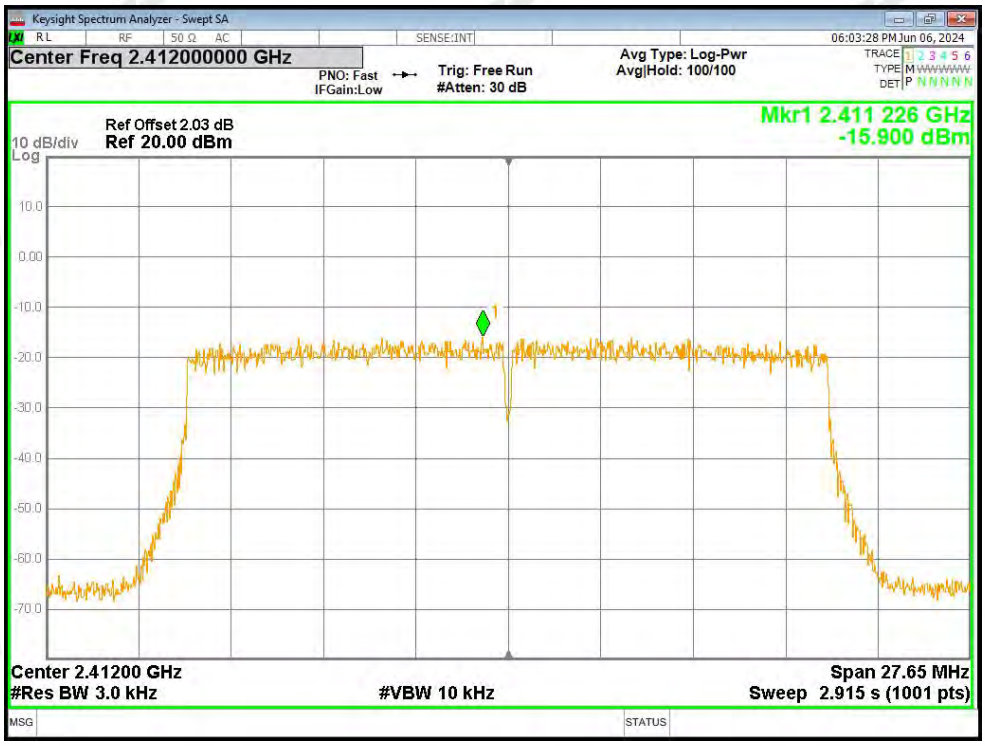
PSD NVNT n40 2437MHz Ant1



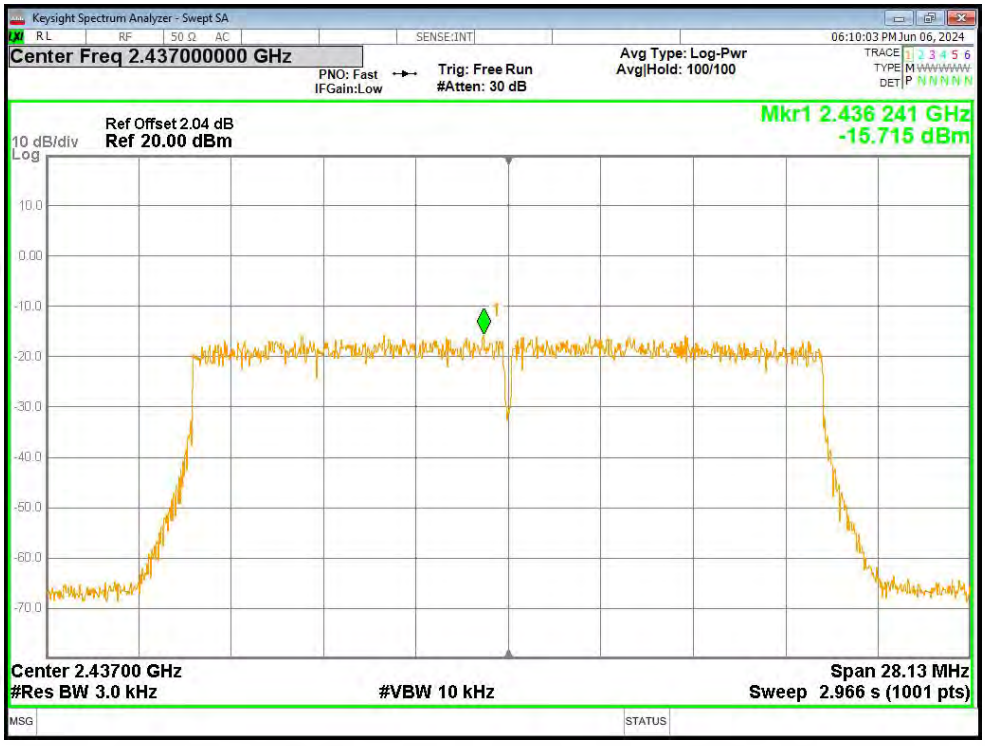
PSD NVNT n40 2452MHz Ant1



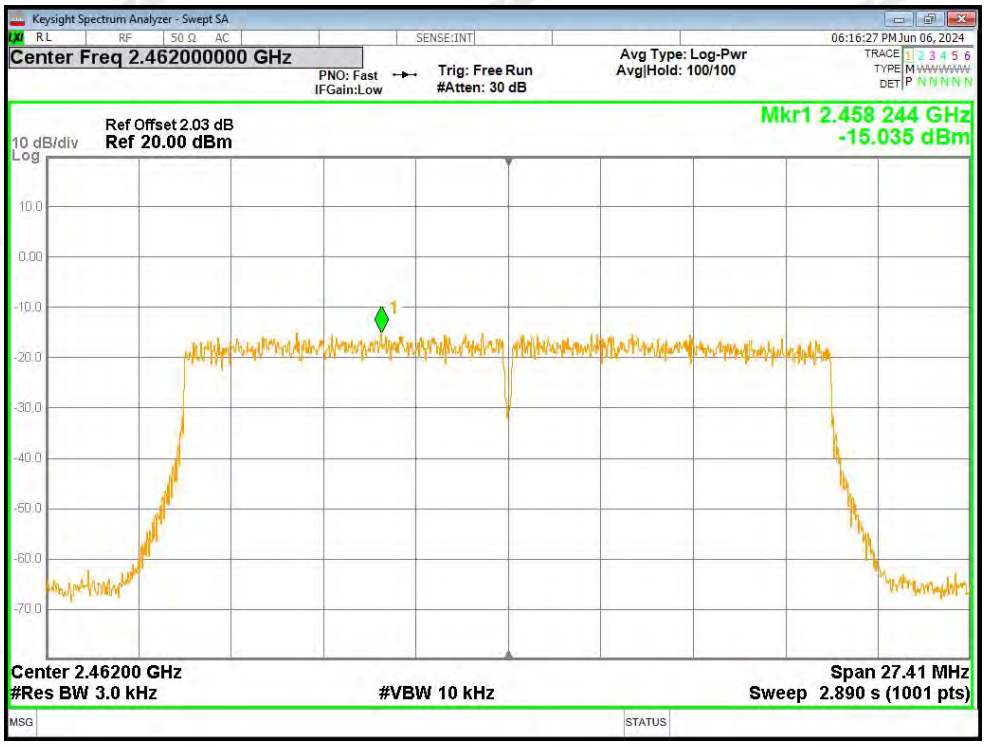
PSD NVNT ax20 2412MHz Ant1



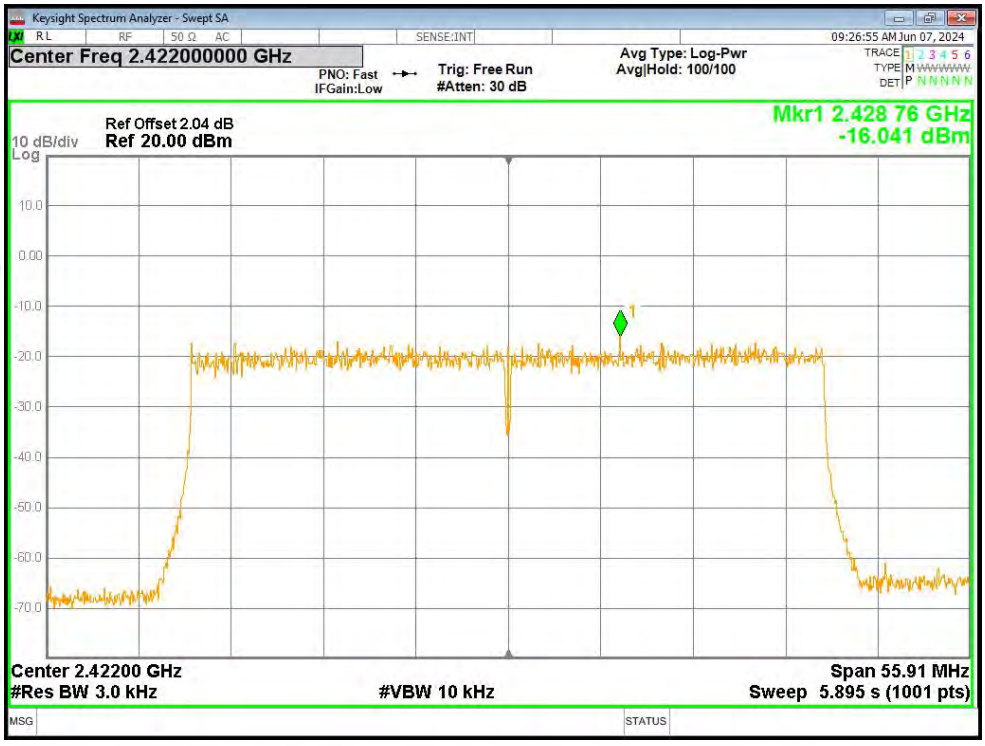
PSD NVNT ax20 2437MHz Ant1



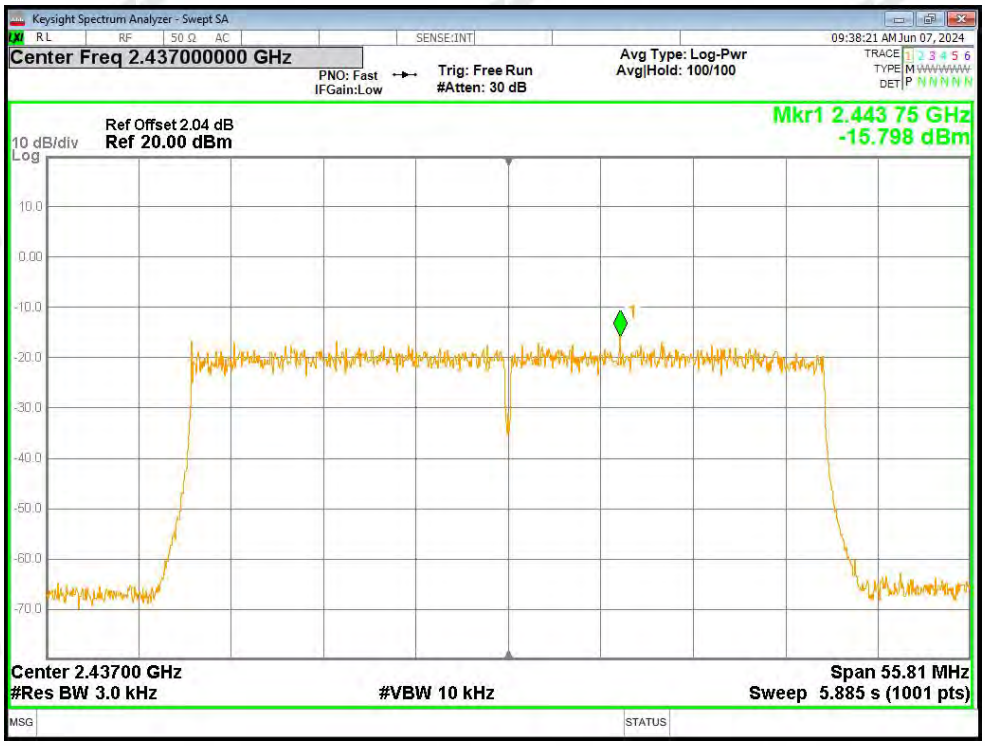
PSD NVNT ax20 2462MHz Ant1



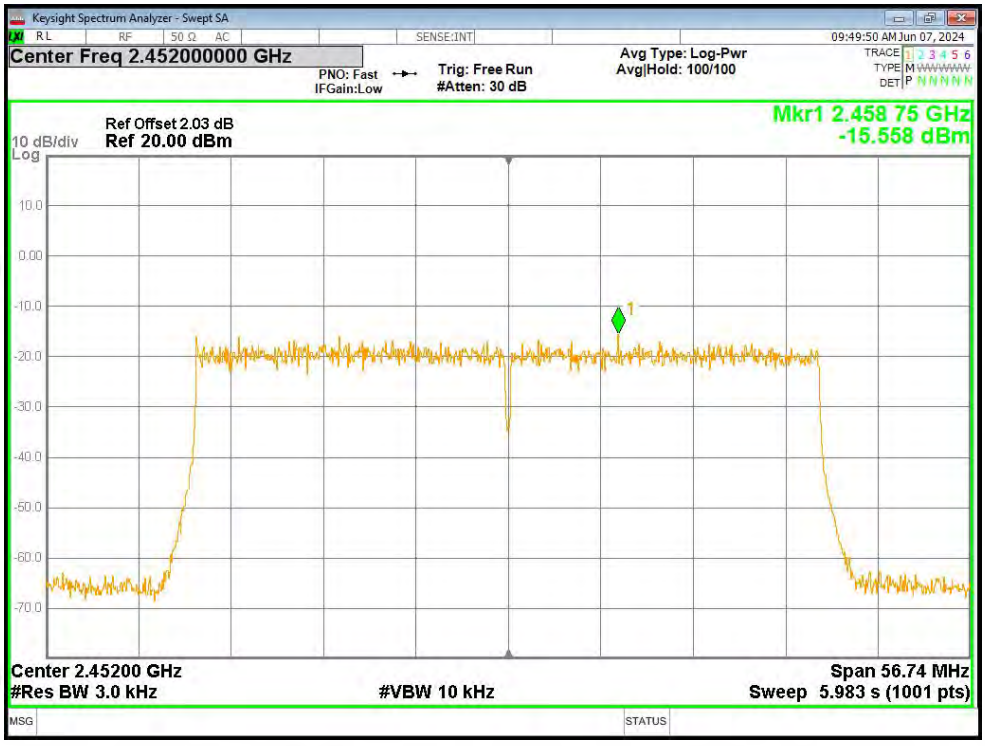
PSD NVNT ax40 2422MHz Ant1



PSD NVNT ax40 2437MHz Ant1



PSD NVNT ax40 2452MHz Ant1

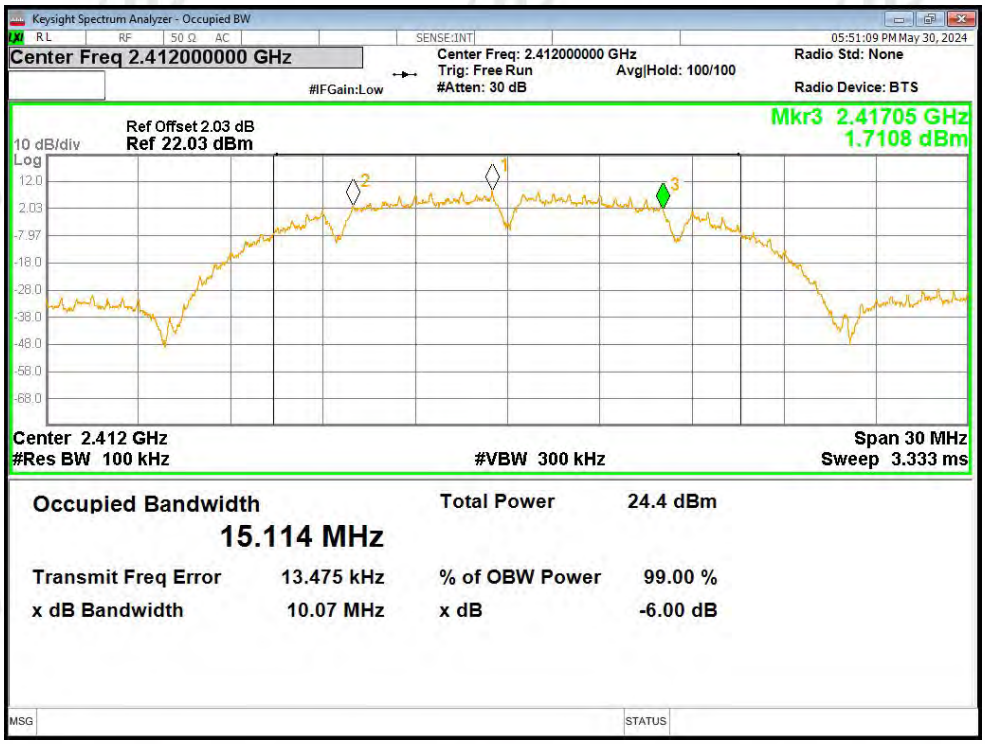


-6dB Bandwidth

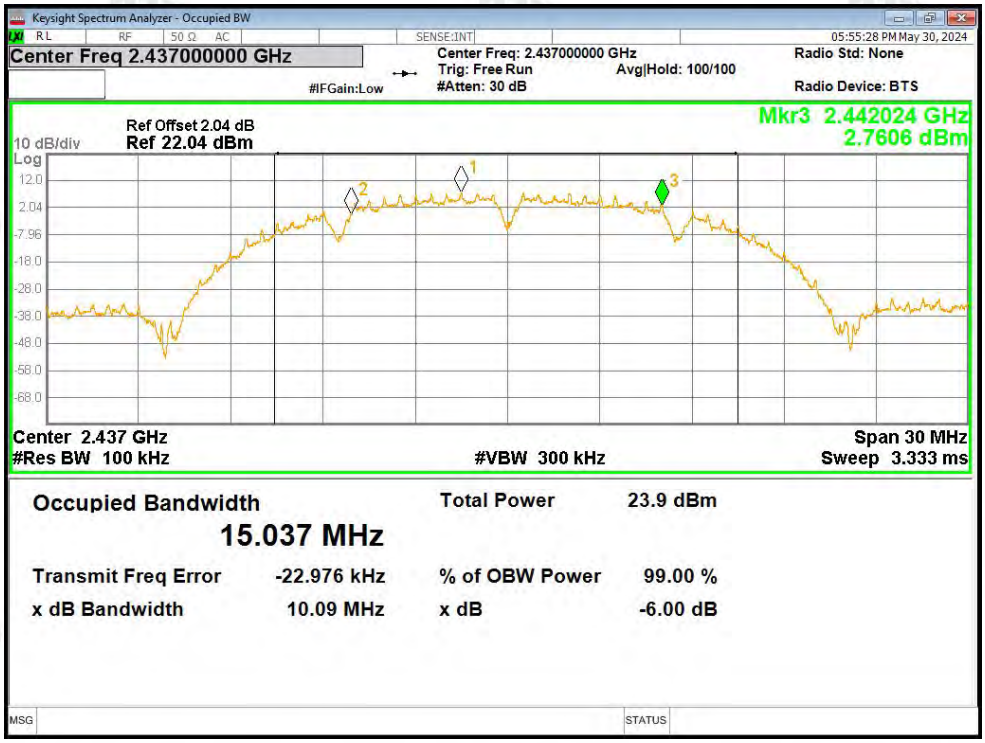
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.074	0.5	Pass
NVNT	b	2437	Ant1	10.095	0.5	Pass
NVNT	b	2462	Ant1	9.76	0.5	Pass
NVNT	g	2412	Ant1	16.329	0.5	Pass
NVNT	g	2437	Ant1	16.33	0.5	Pass
NVNT	g	2462	Ant1	16.337	0.5	Pass
NVNT	n20	2412	Ant1	17.554	0.5	Pass
NVNT	n20	2437	Ant1	17.031	0.5	Pass
NVNT	n20	2462	Ant1	17.527	0.5	Pass
NVNT	n40	2422	Ant1	36.12	0.5	Pass
NVNT	n40	2437	Ant1	35.649	0.5	Pass
NVNT	n40	2452	Ant1	35.853	0.5	Pass
NVNT	ax20	2412	Ant1	18.432	0.5	Pass
NVNT	ax20	2437	Ant1	18.75	0.5	Pass
NVNT	ax20	2462	Ant1	18.275	0.5	Pass
NVNT	ax40	2422	Ant1	37.27	0.5	Pass
NVNT	ax40	2437	Ant1	37.207	0.5	Pass
NVNT	ax40	2452	Ant1	37.826	0.5	Pass

Test Graphs

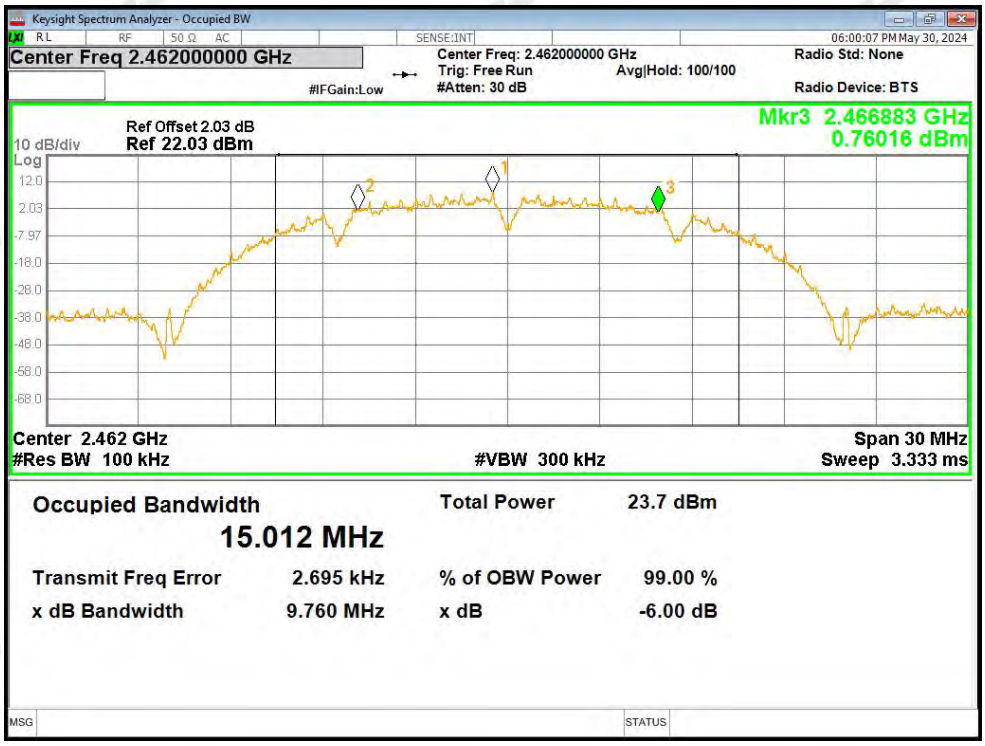
-6dB Bandwidth NVNT b 2412MHz Ant1



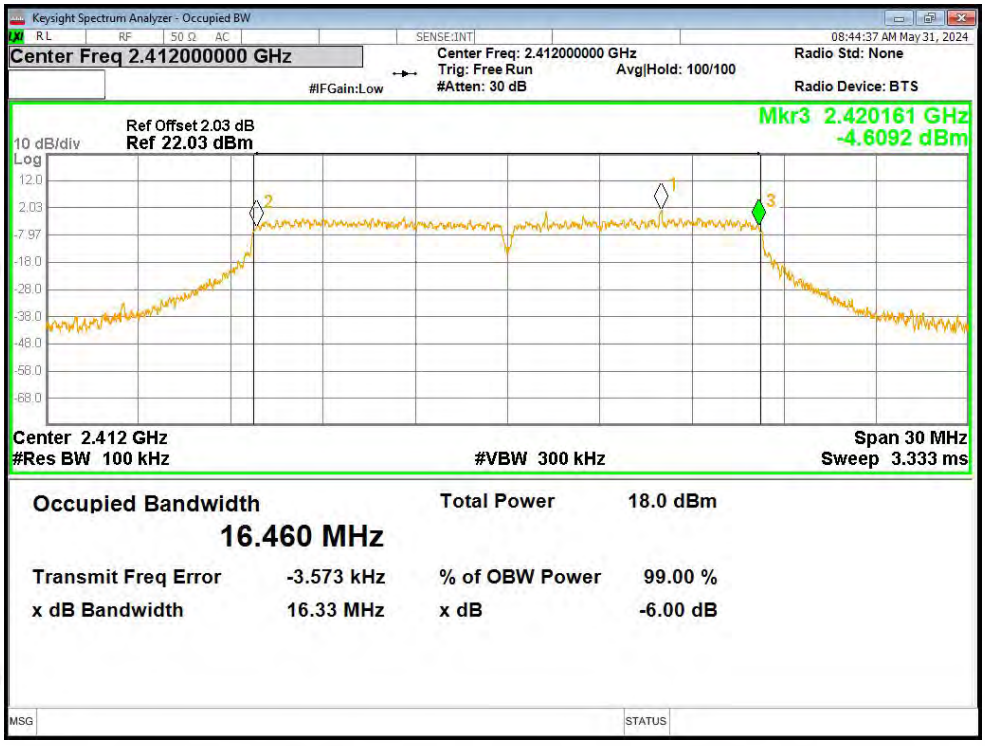
-6dB Bandwidth NVNT b 2437MHz Ant1



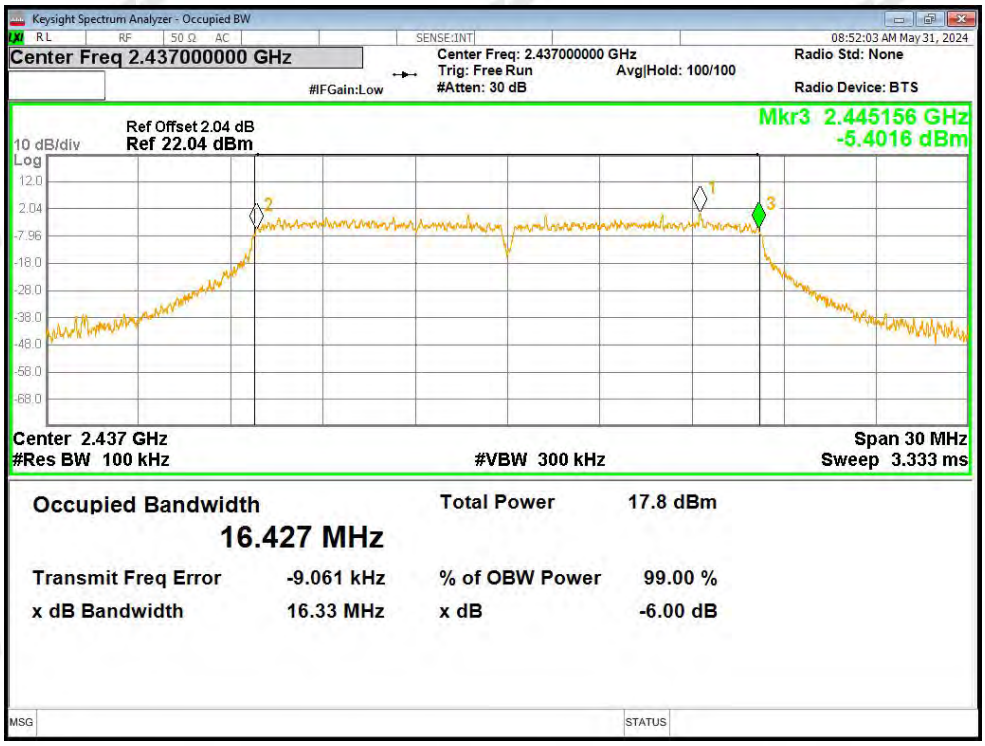
-6dB Bandwidth NVNT b 2462MHz Ant1



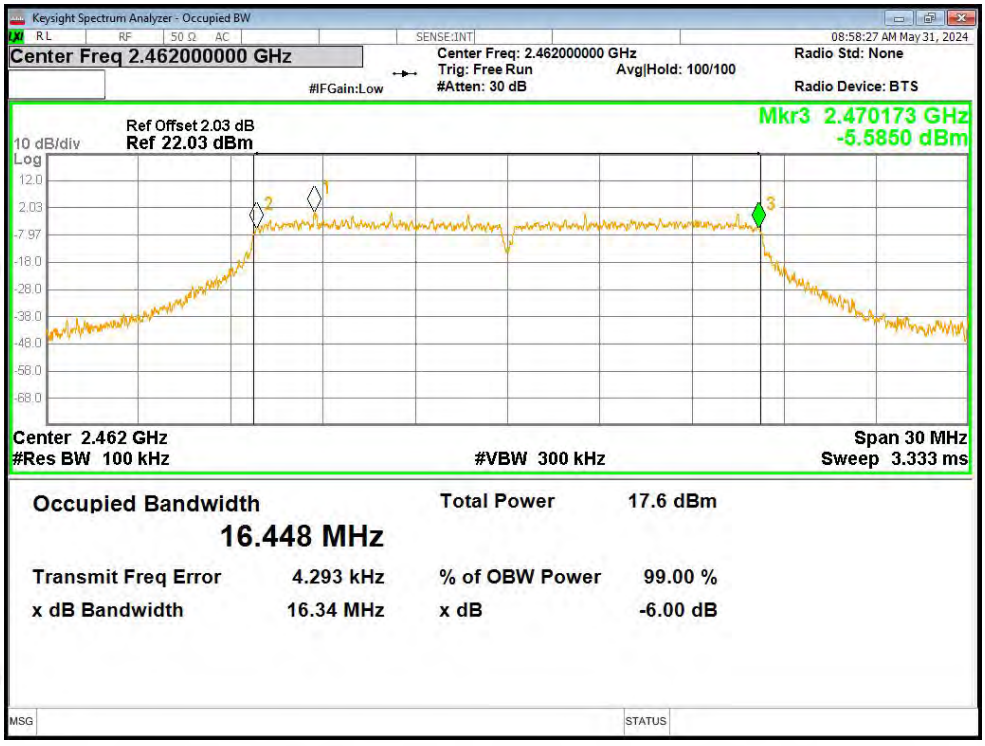
-6dB Bandwidth NVNT g 2412MHz Ant1



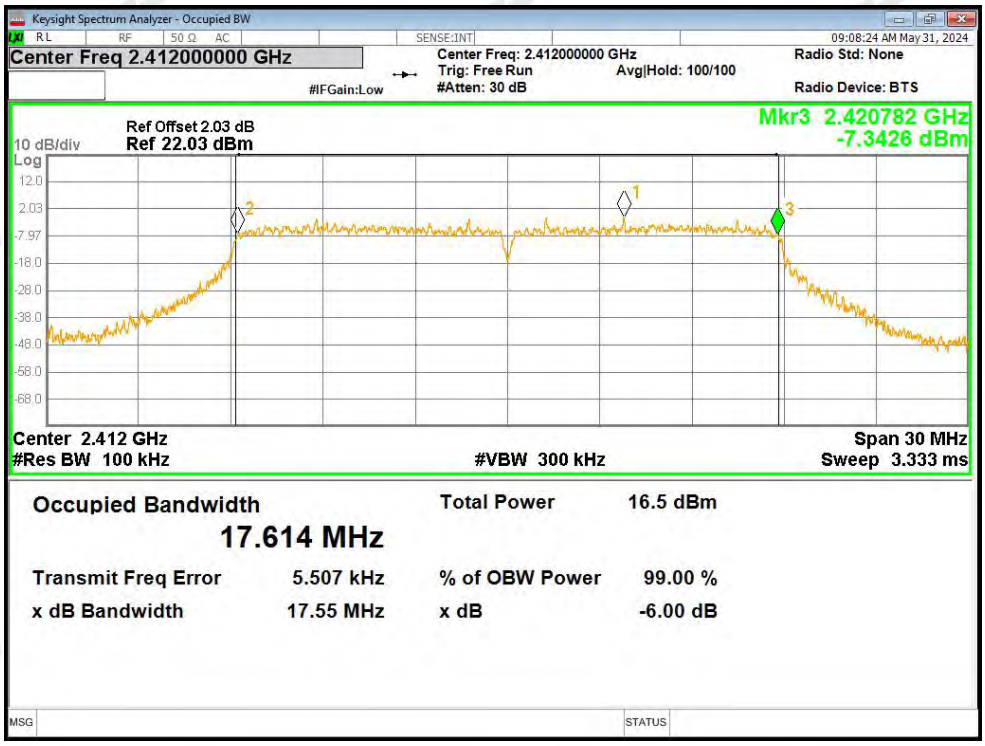
-6dB Bandwidth NVNT g 2437MHz Ant1



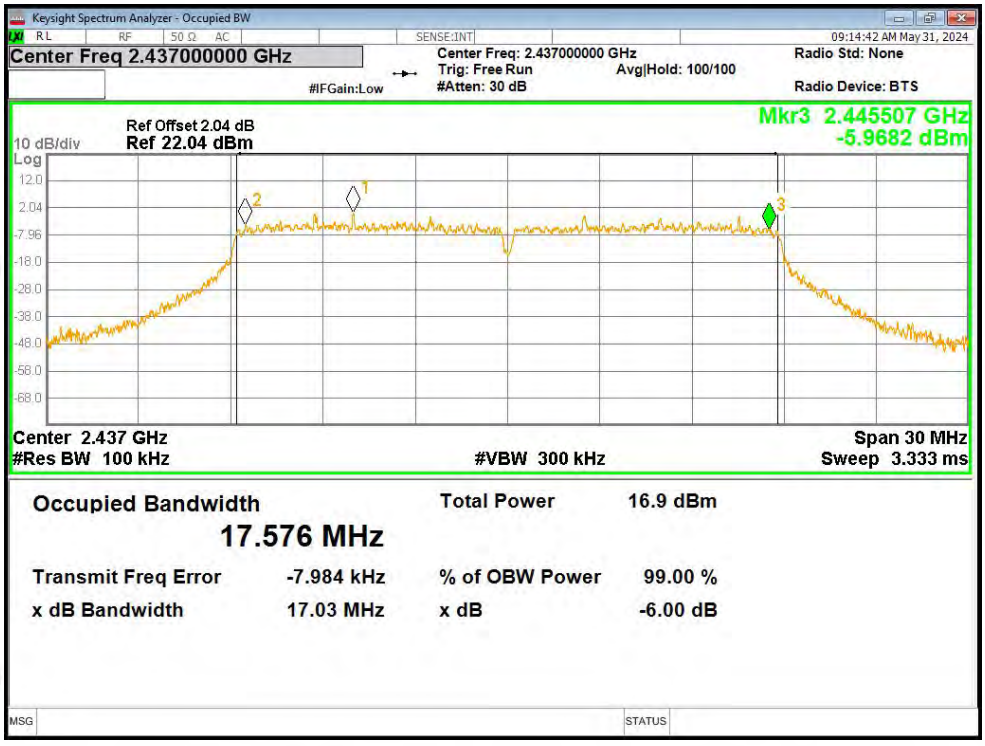
-6dB Bandwidth NVNT g 2462MHz Ant1



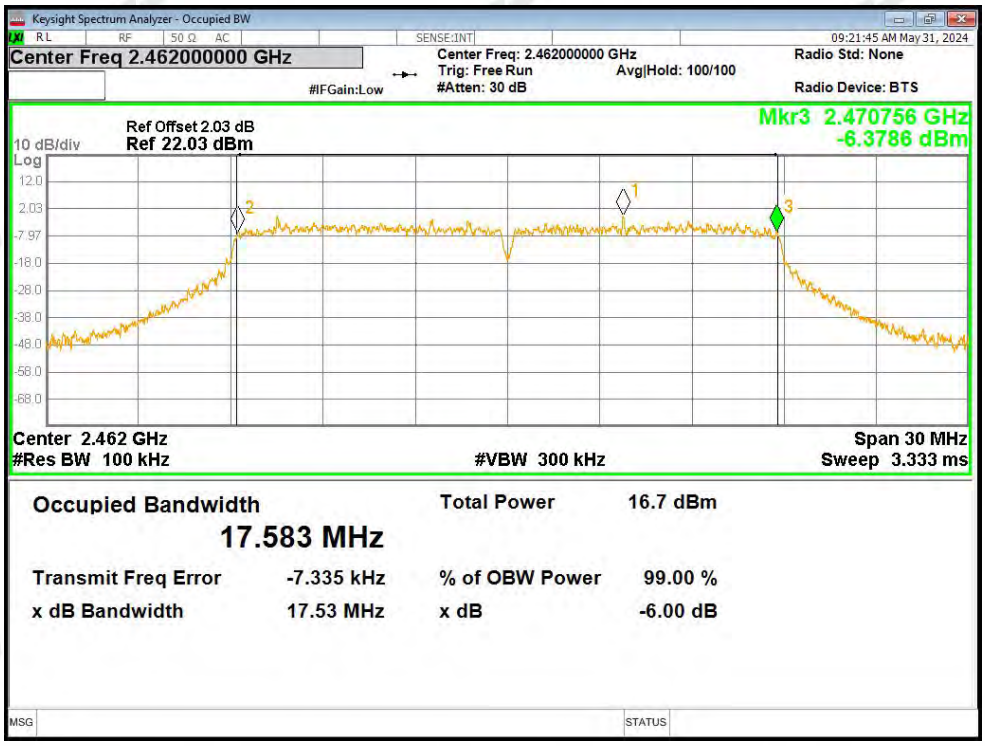
-6dB Bandwidth NVNT n20 2412MHz Ant1



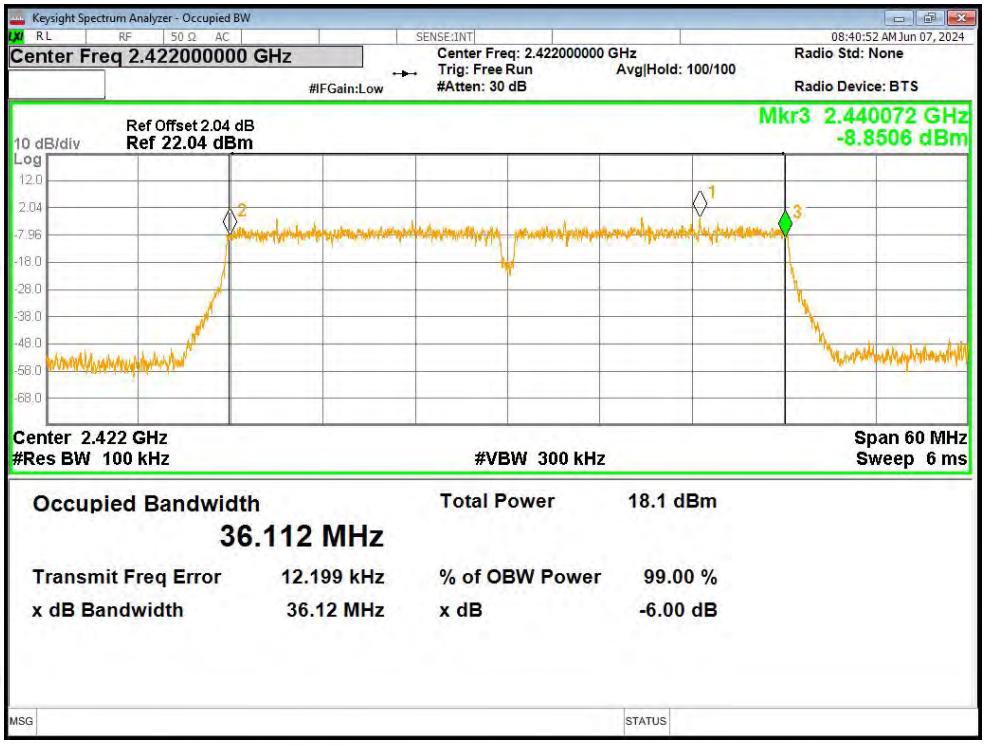
-6dB Bandwidth NVNT n20 2437MHz Ant1



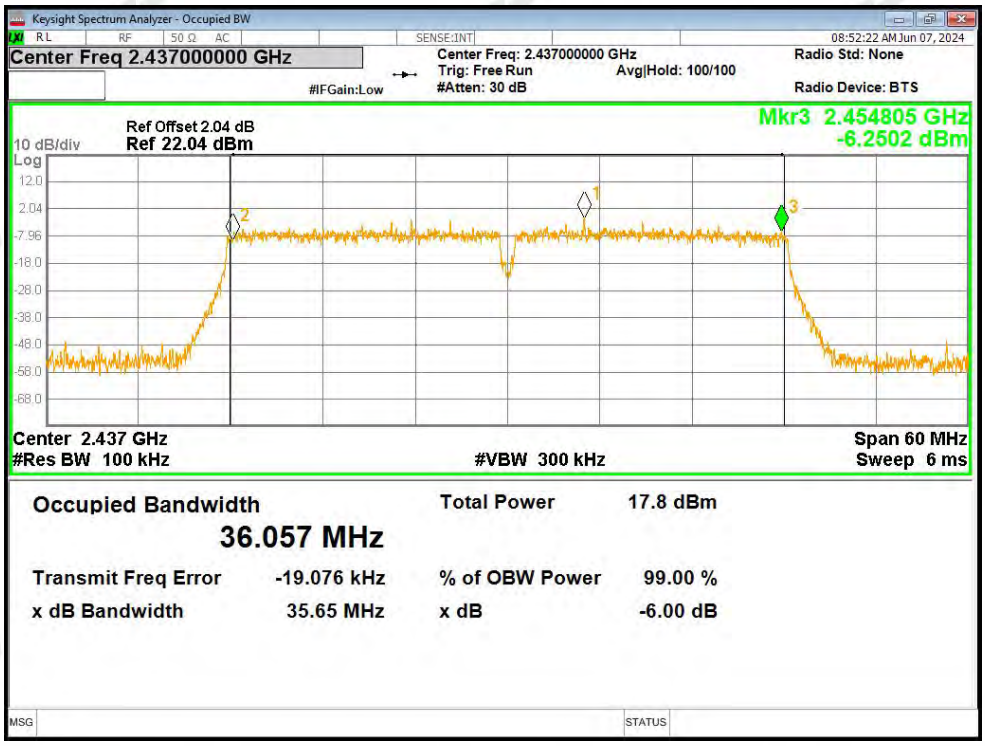
-6dB Bandwidth NVNT n20 2462MHz Ant1



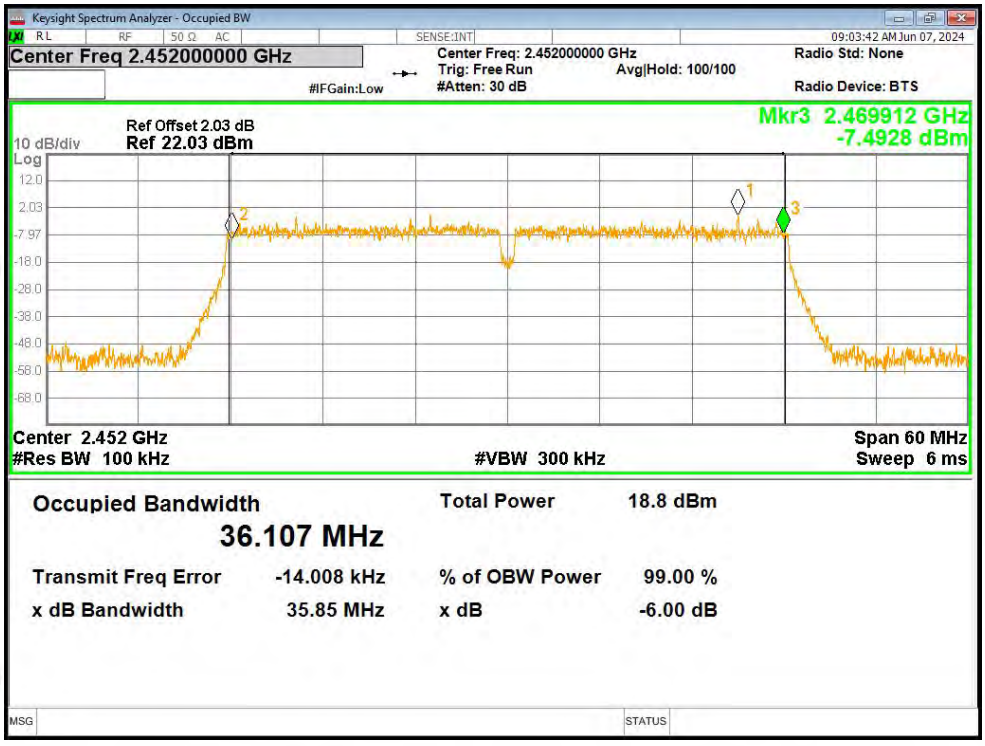
-6dB Bandwidth NVNT n40 2422MHz Ant1



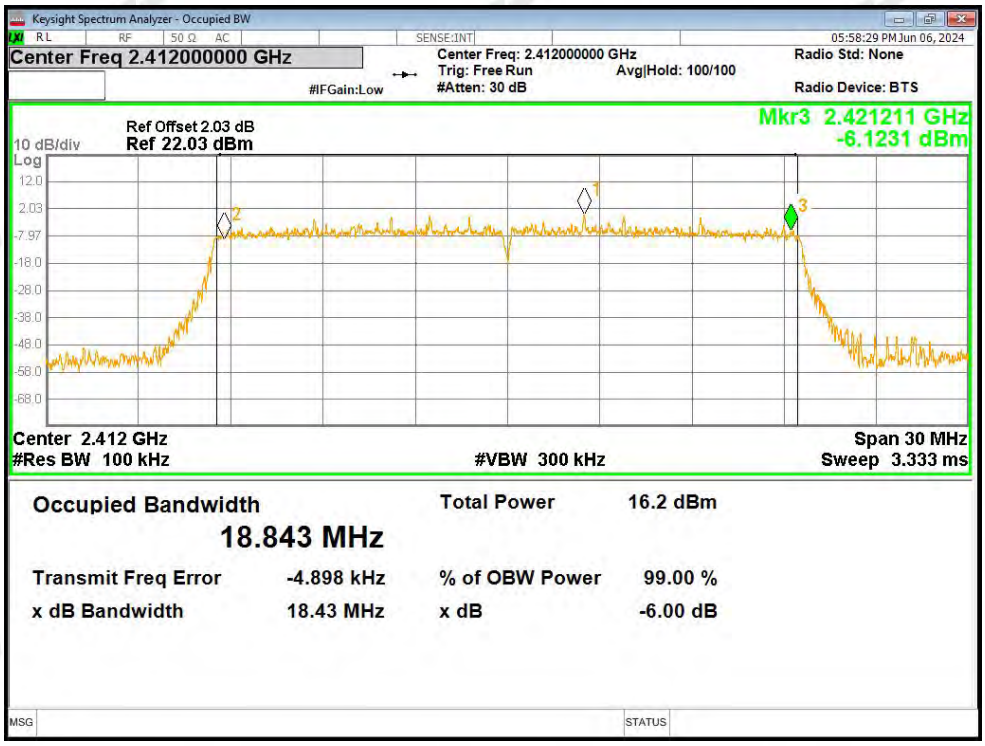
-6dB Bandwidth NVNT n40 2437MHz Ant1



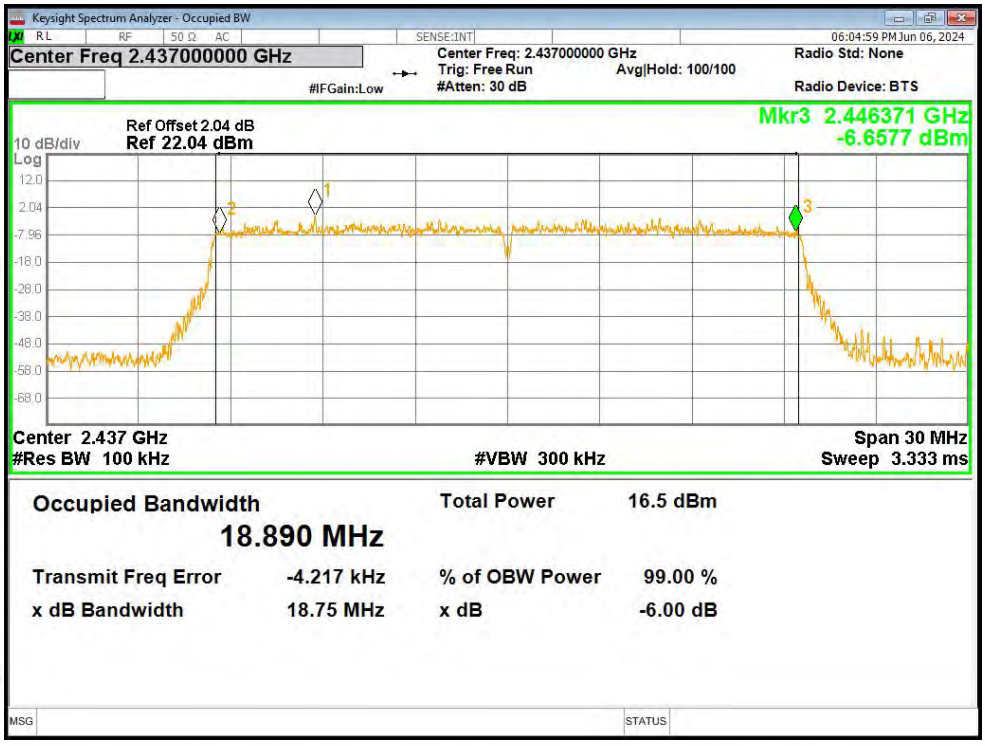
-6dB Bandwidth NVNT n40 2452MHz Ant1



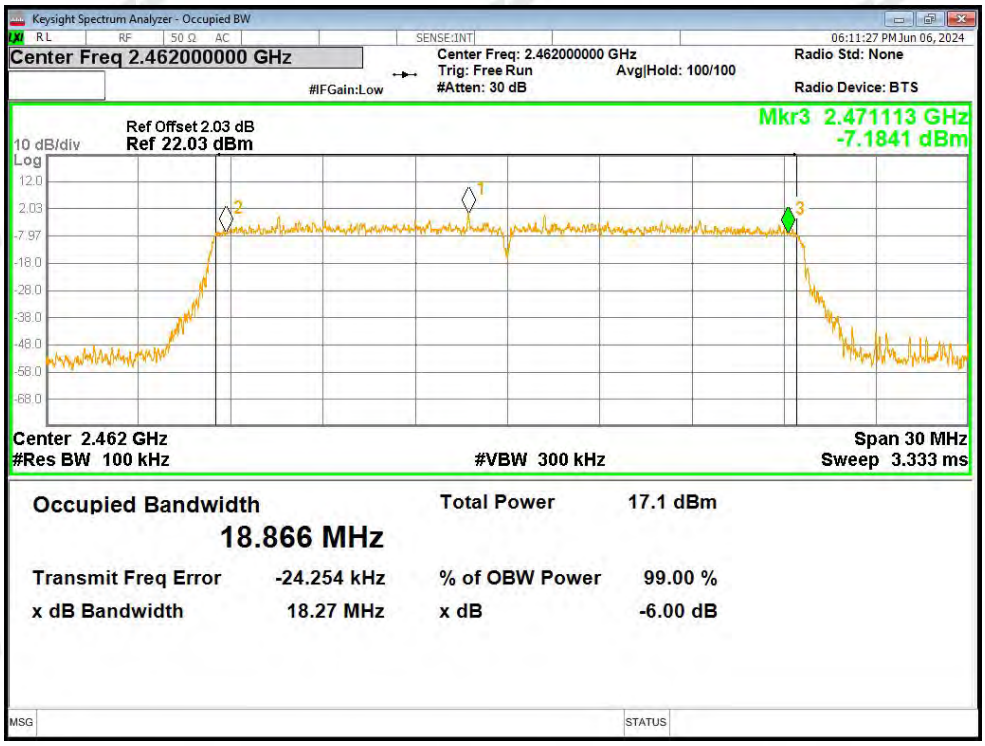
-6dB Bandwidth NVNT ax20 2412MHz Ant1



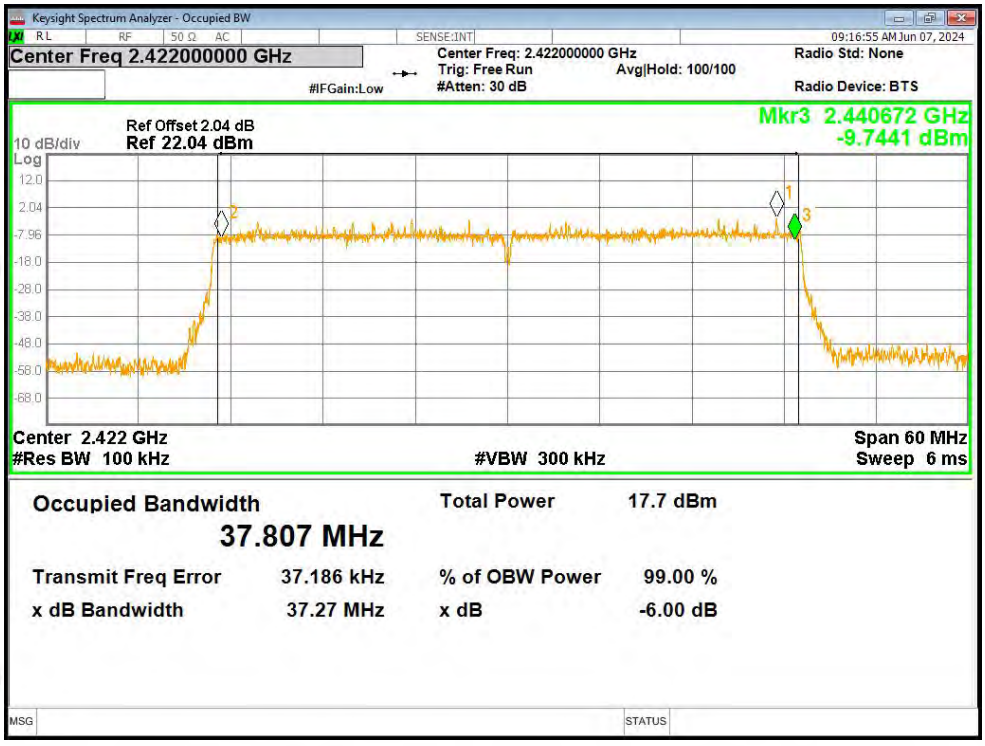
-6dB Bandwidth NVNT ax20 2437MHz Ant1



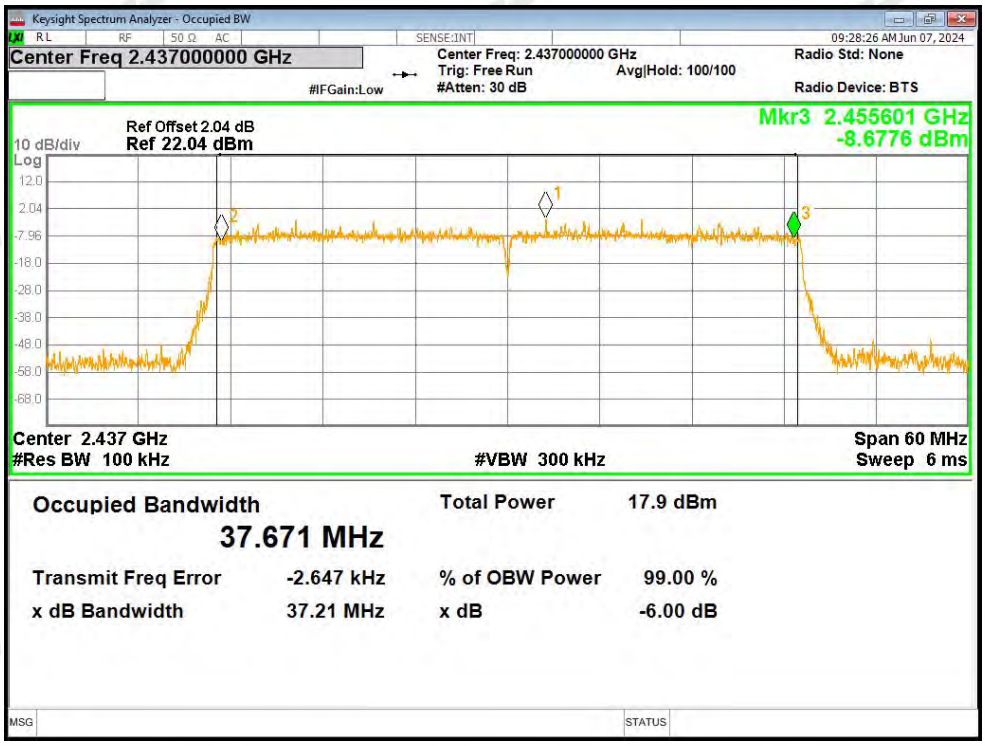
-6dB Bandwidth NVNT ax20 2462MHz Ant1



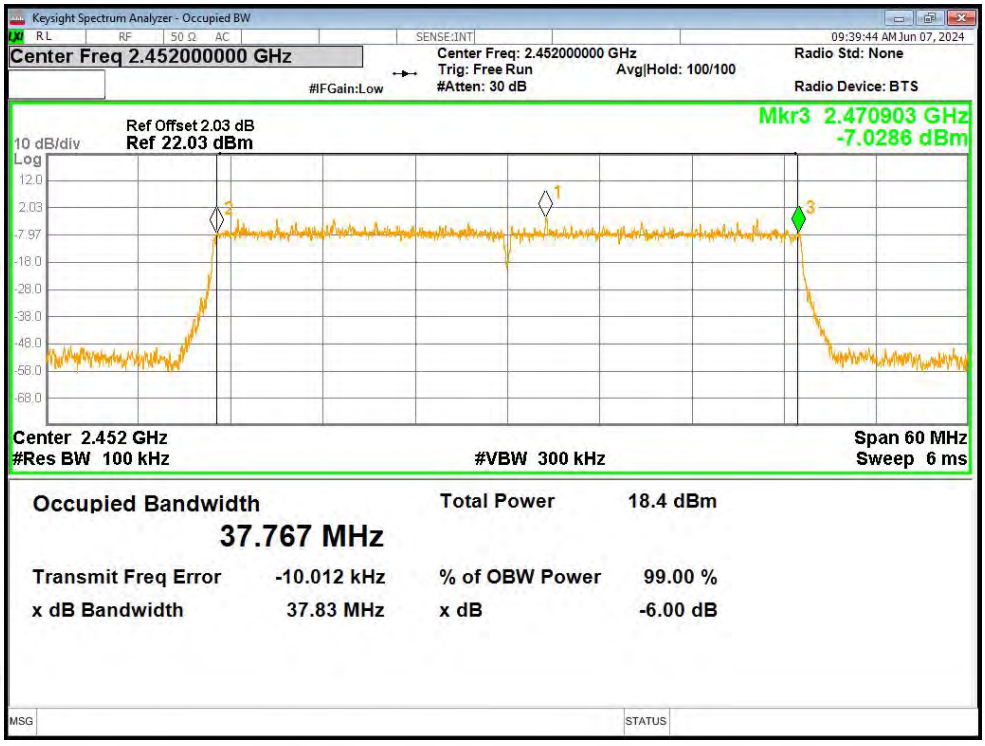
-6dB Bandwidth NVNT ax40 2422MHz Ant1



-6dB Bandwidth NVNT ax40 2437MHz Ant1



-6dB Bandwidth NVNT ax40 2452MHz Ant1

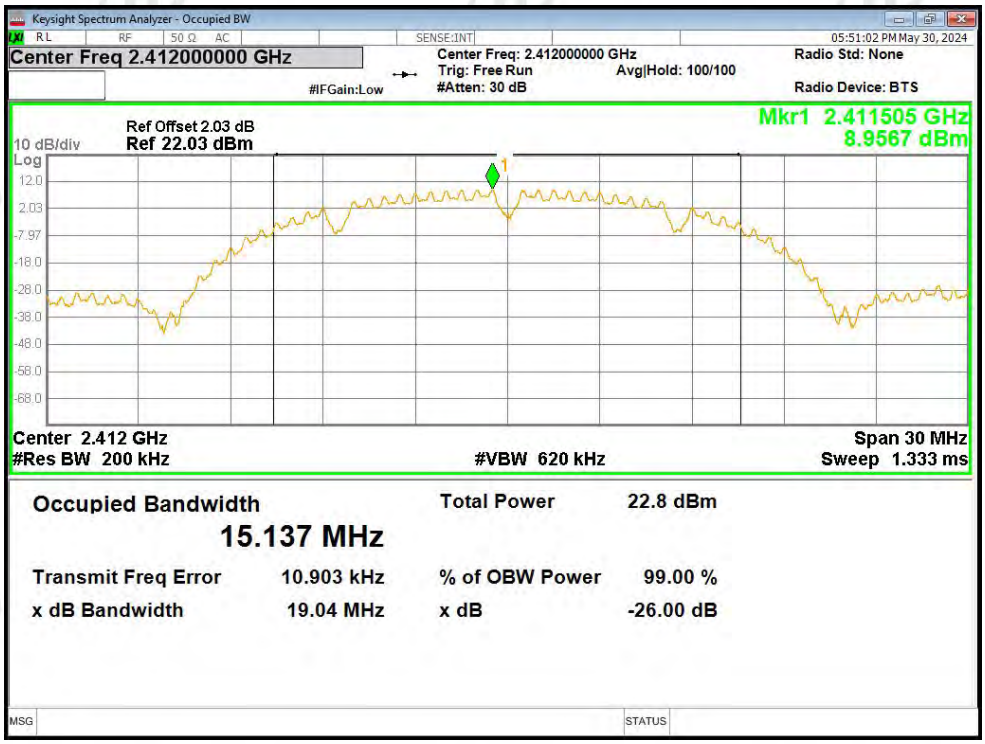


Occupied Channel Bandwidth

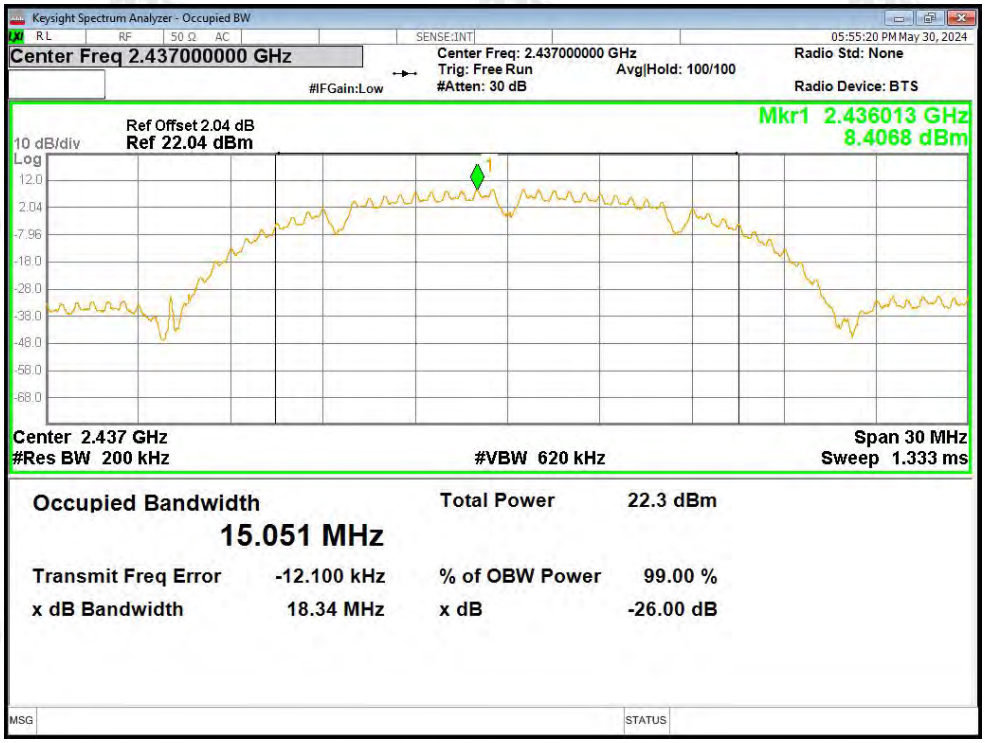
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	15.137
NVNT	b	2437	Ant1	15.051
NVNT	b	2462	Ant1	15.021
NVNT	g	2412	Ant1	16.539
NVNT	g	2437	Ant1	16.534
NVNT	g	2462	Ant1	16.561
NVNT	n20	2412	Ant1	17.646
NVNT	n20	2437	Ant1	17.62
NVNT	n20	2462	Ant1	17.611
NVNT	n40	2422	Ant1	36.11
NVNT	n40	2437	Ant1	36.166
NVNT	n40	2452	Ant1	36.196
NVNT	ax20	2412	Ant1	18.892
NVNT	ax20	2437	Ant1	18.916
NVNT	ax20	2462	Ant1	18.85
NVNT	ax40	2422	Ant1	37.789
NVNT	ax40	2437	Ant1	37.76
NVNT	ax40	2452	Ant1	37.742

Test Graphs

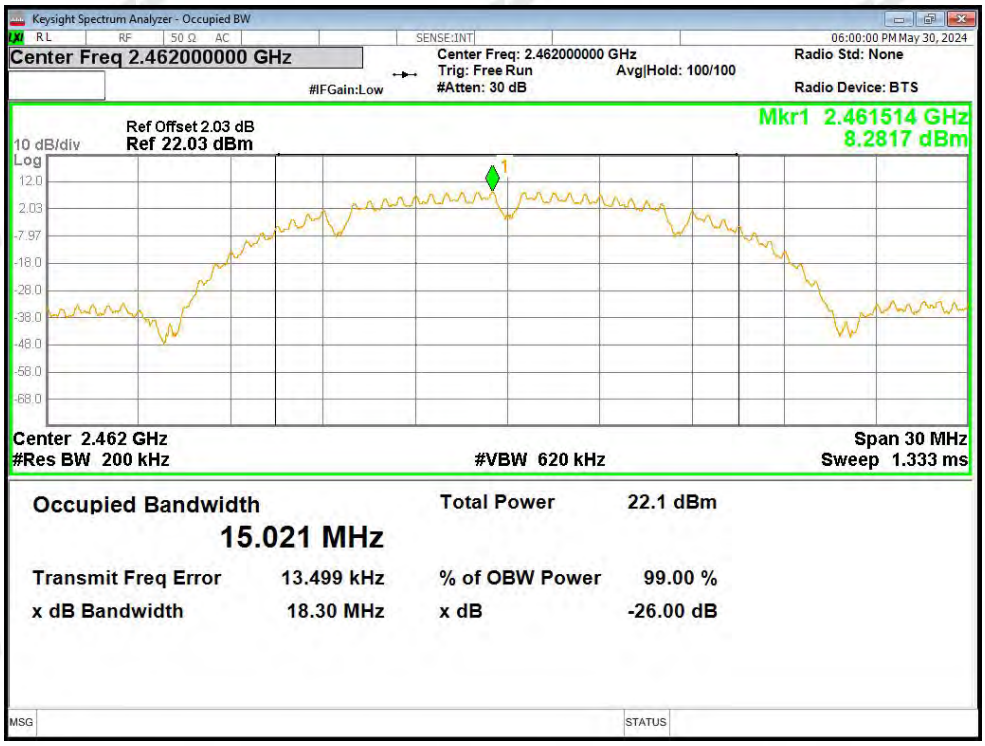
OBW NVNT b 2412MHz Ant1



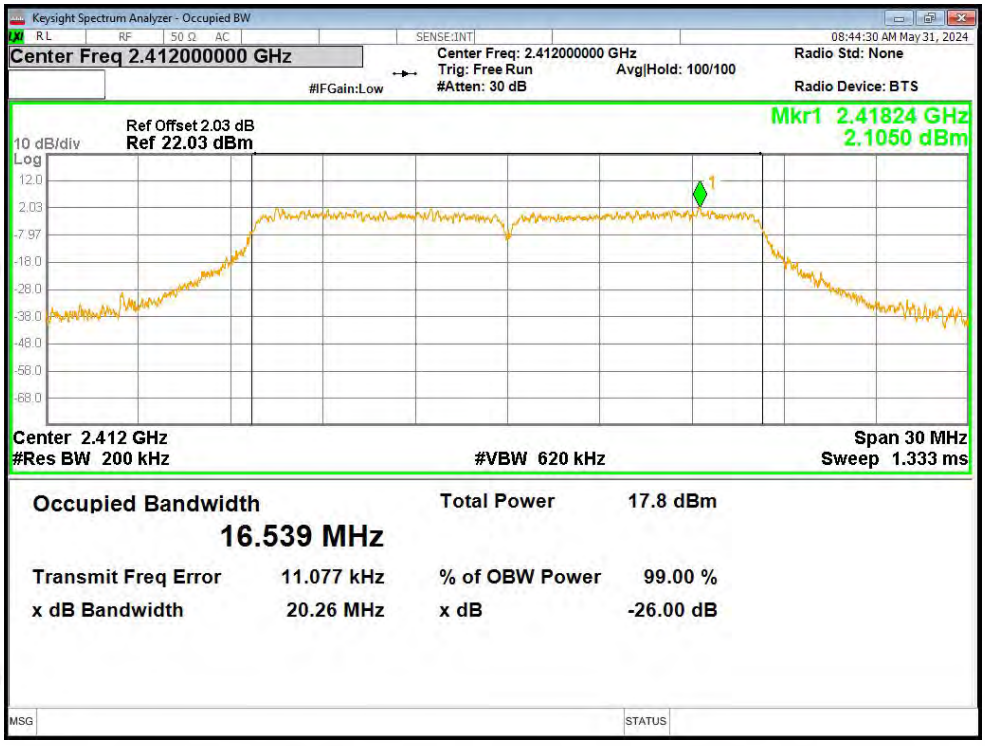
OBW NVNT b 2437MHz Ant1



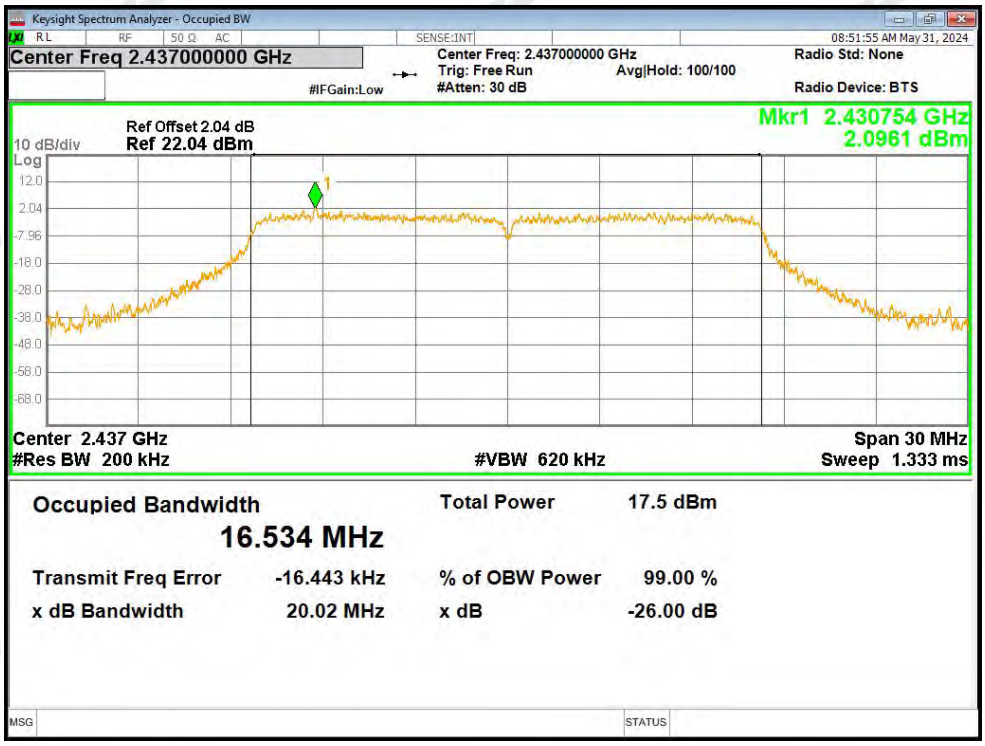
OBW NVNT b 2462MHz Ant1



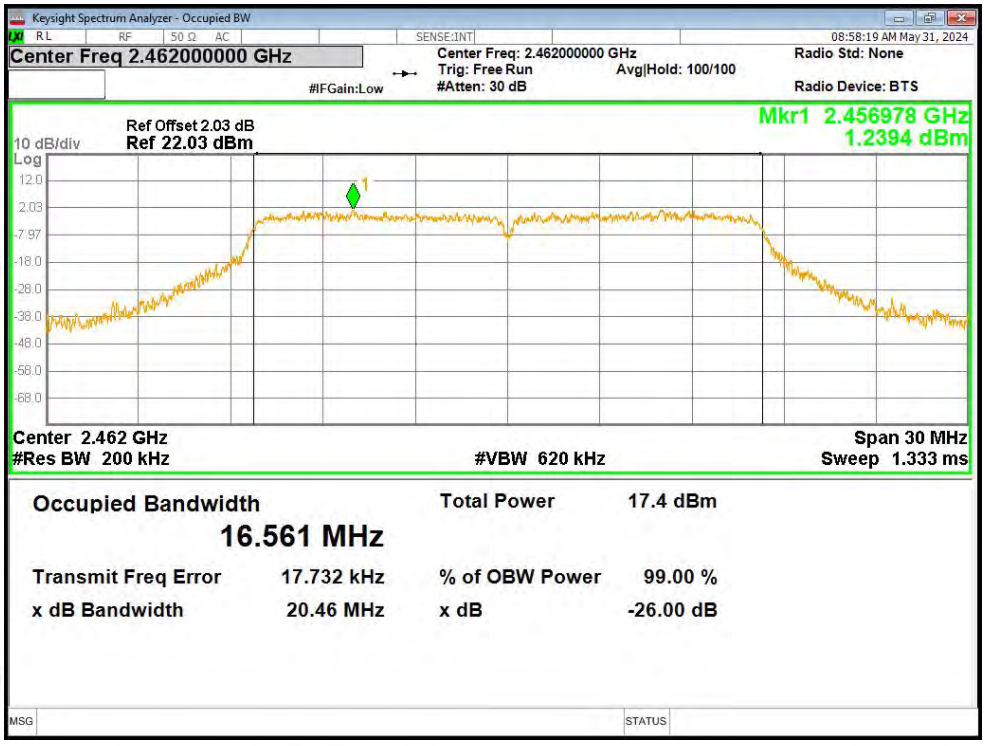
OBW NVNT g 2412MHz Ant1



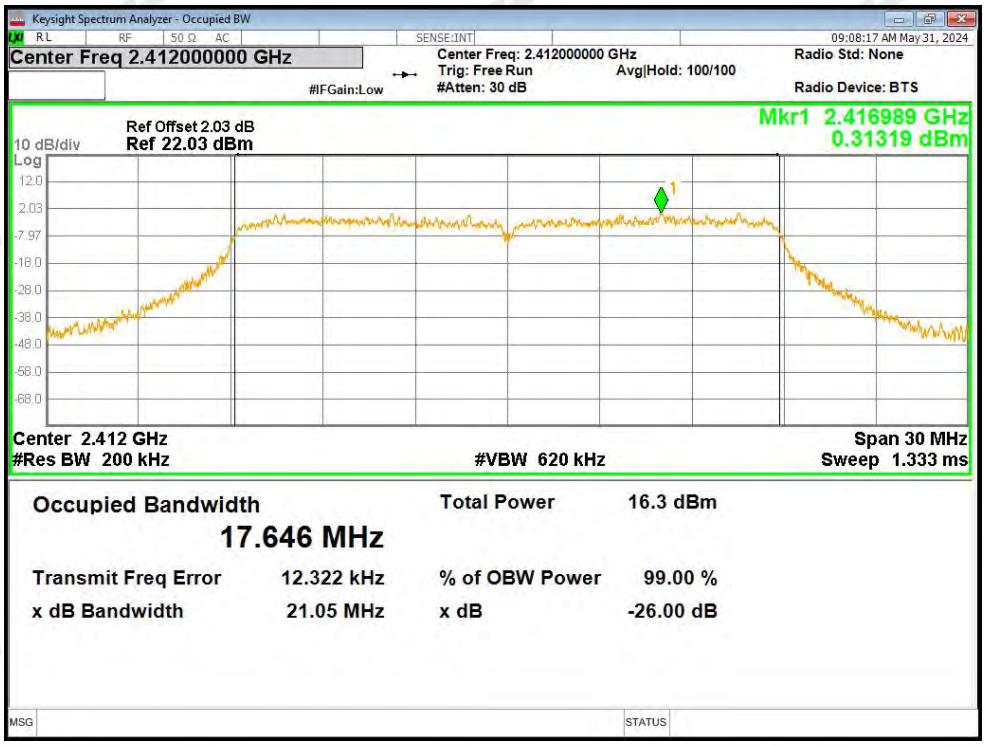
OBW NVNT g 2437MHz Ant1



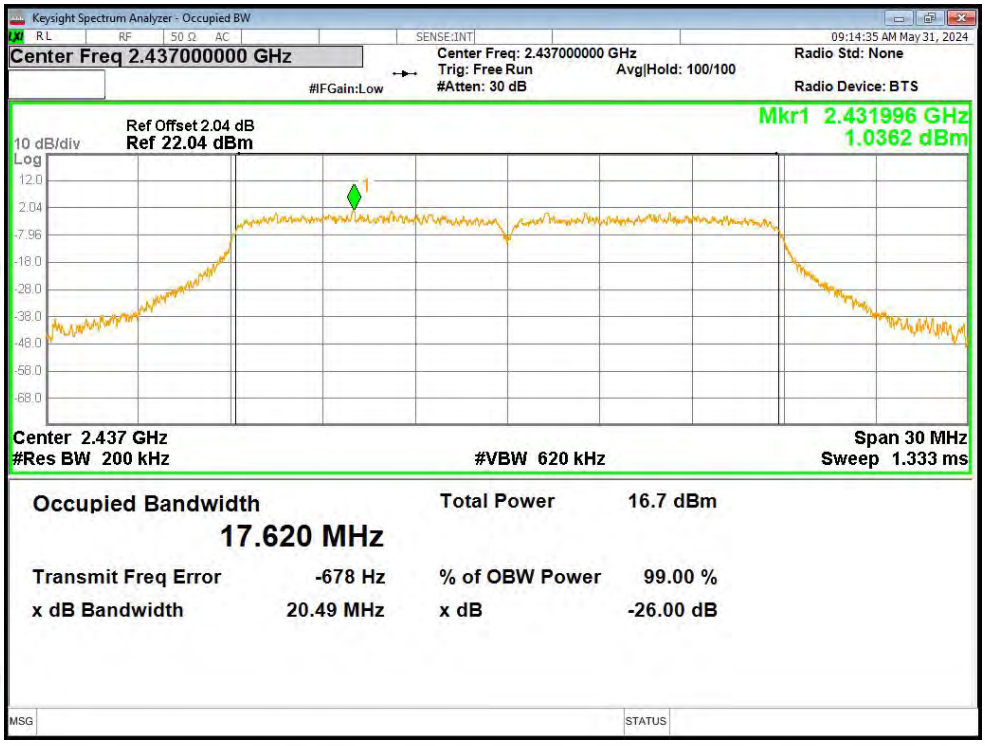
OBW NVNT g 2462MHz Ant1



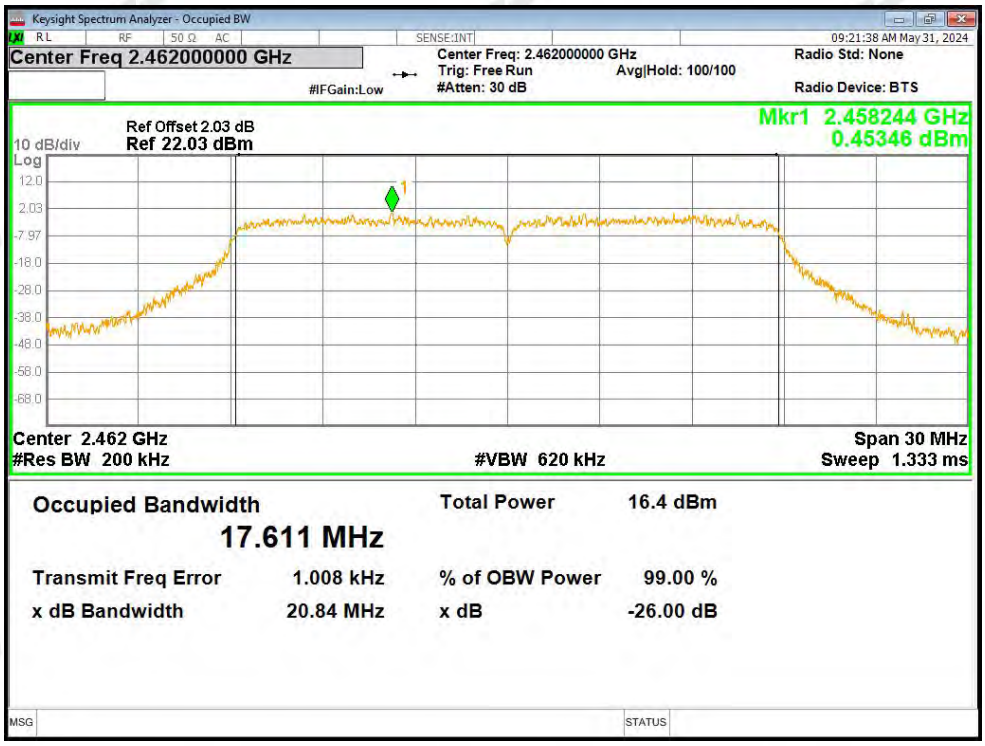
OBW NVNT n20 2412MHz Ant1



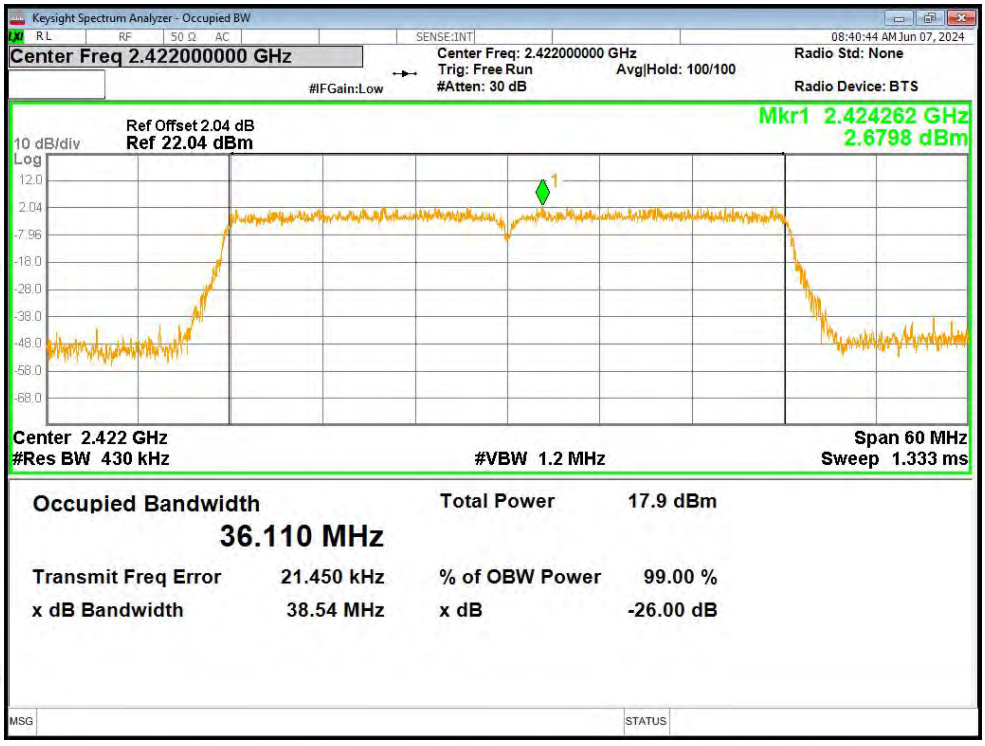
OBW NVNT n20 2437MHz Ant1



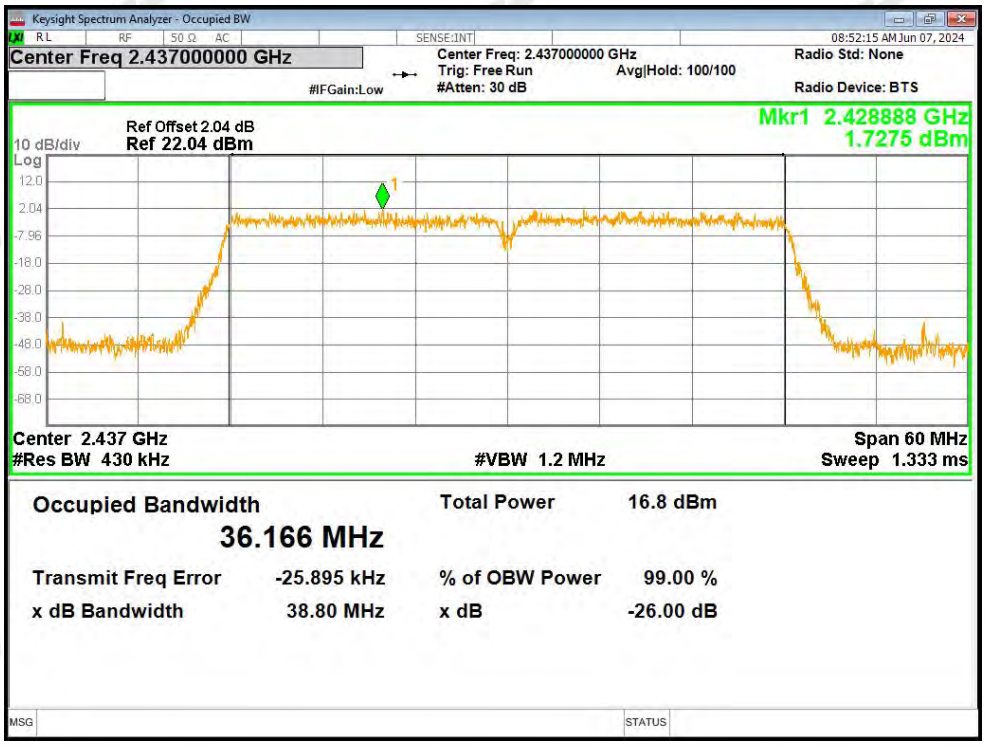
OBW NVNT n20 2462MHz Ant1



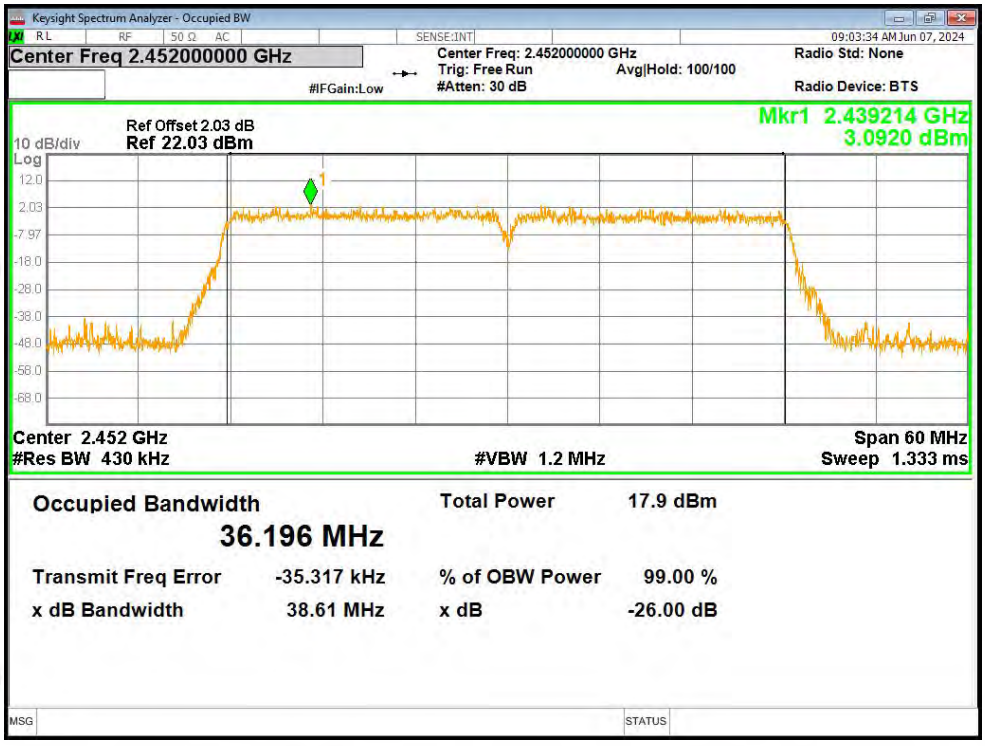
OBW NVNT n40 2422MHz Ant1



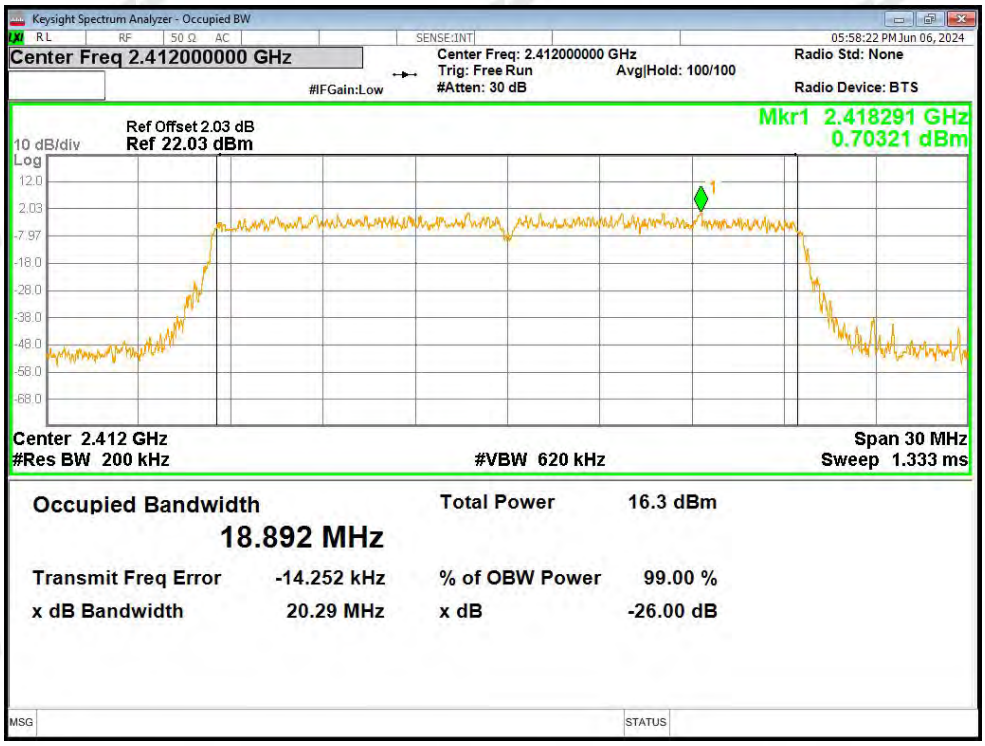
OBW NVNT n40 2437MHz Ant1



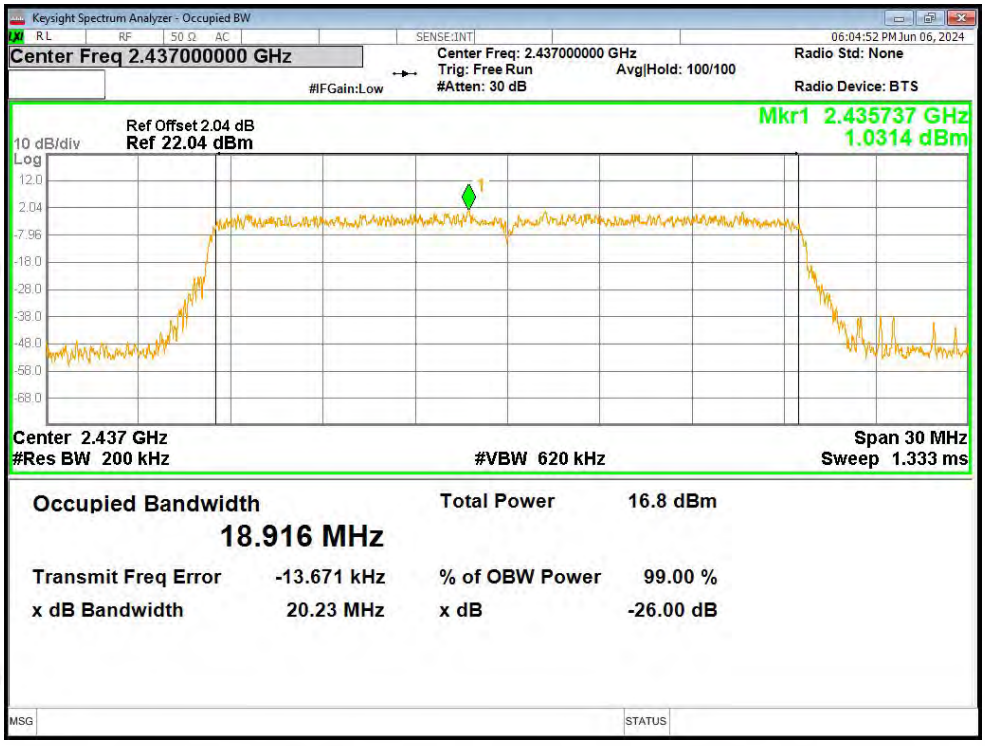
OBW NVNT n40 2452MHz Ant1



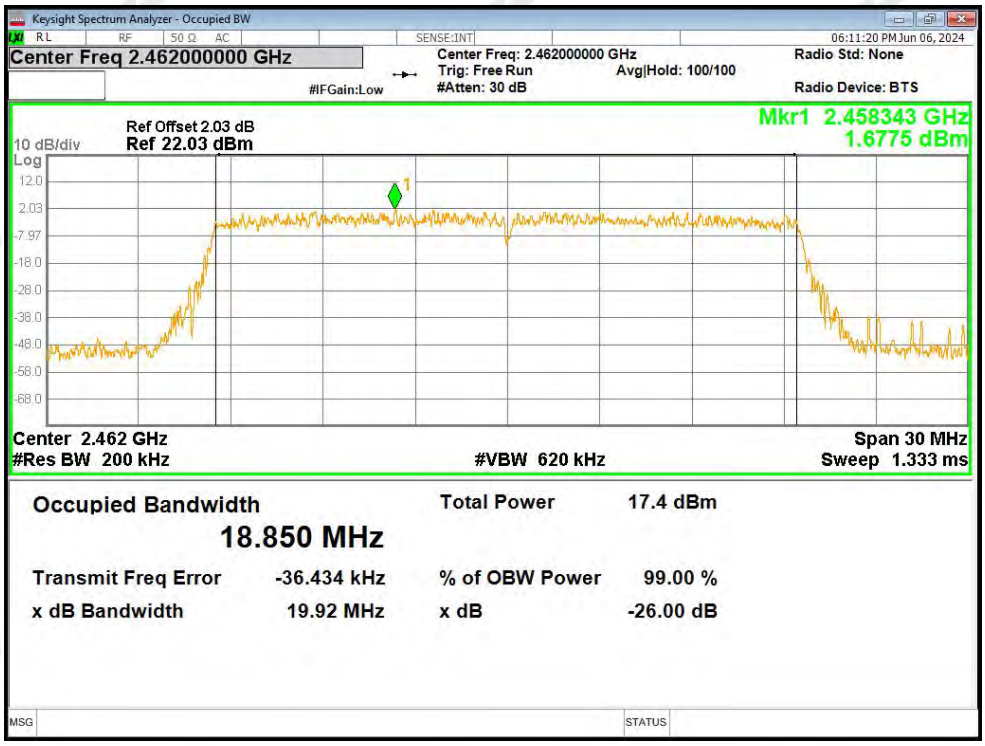
OBW NVNT ax20 2412MHz Ant1



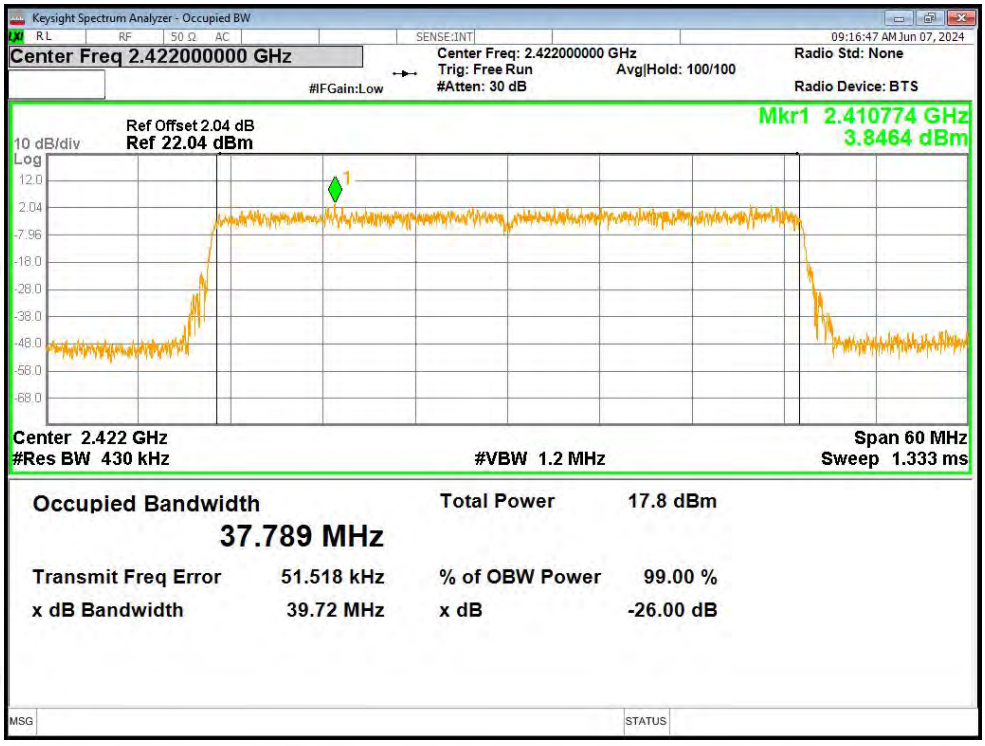
OBW NVNT ax20 2437MHz Ant1



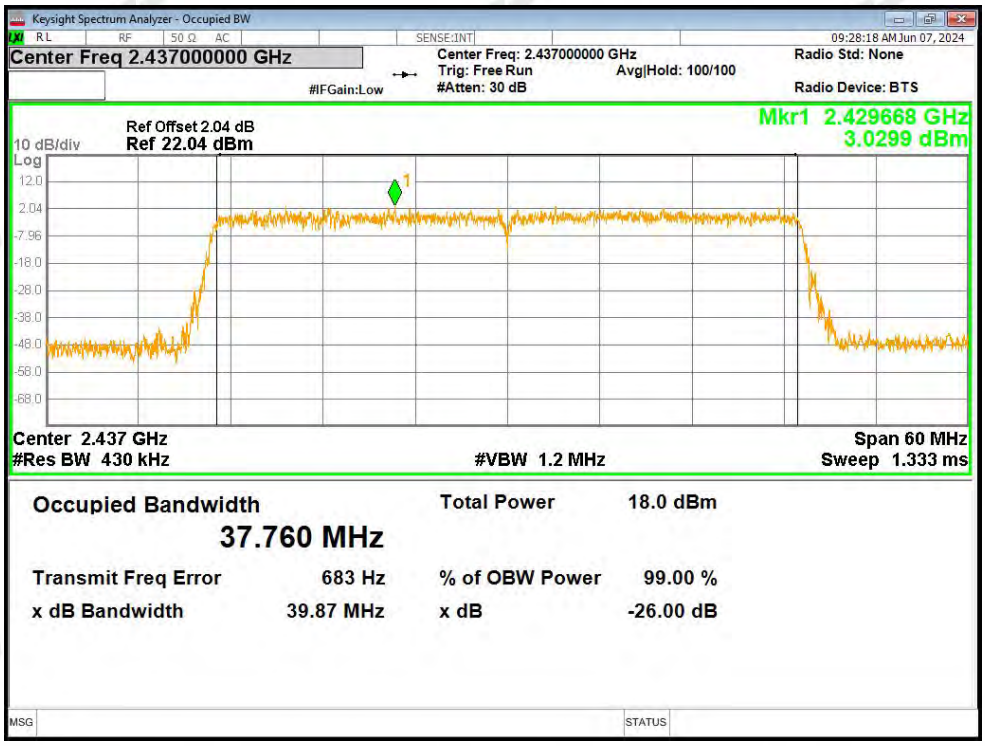
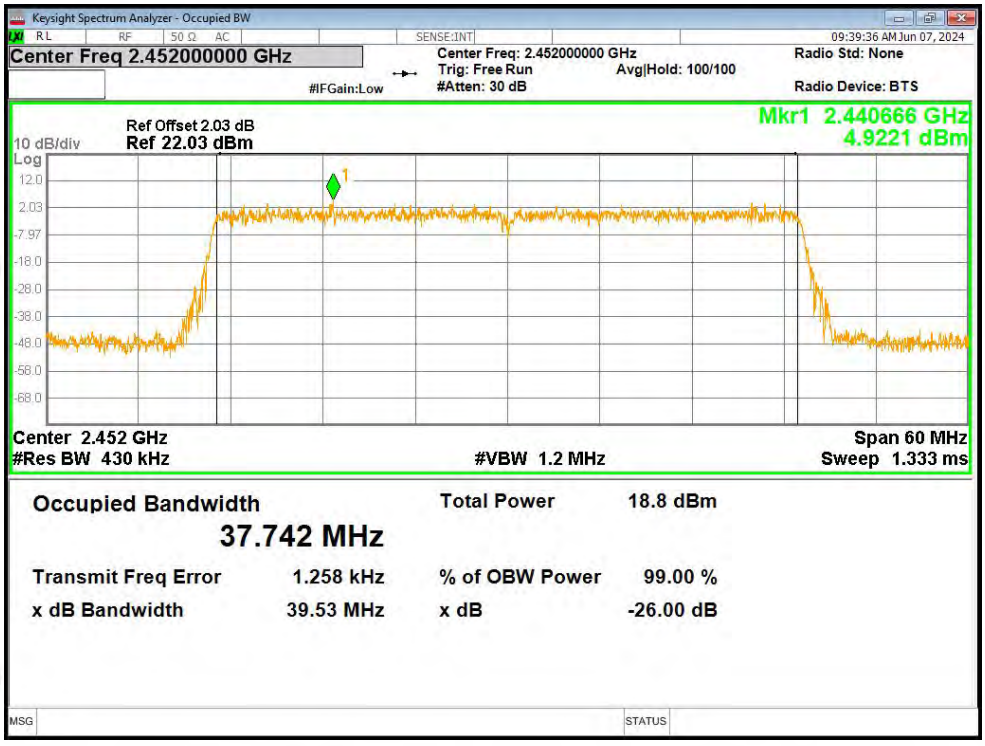
OBW NVNT ax20 2462MHz Ant1



OBW NVNT ax40 2422MHz Ant1



OBW NVNT ax40 2437MHz Ant1



OBW NVNT ax40 2452MHz Ant1