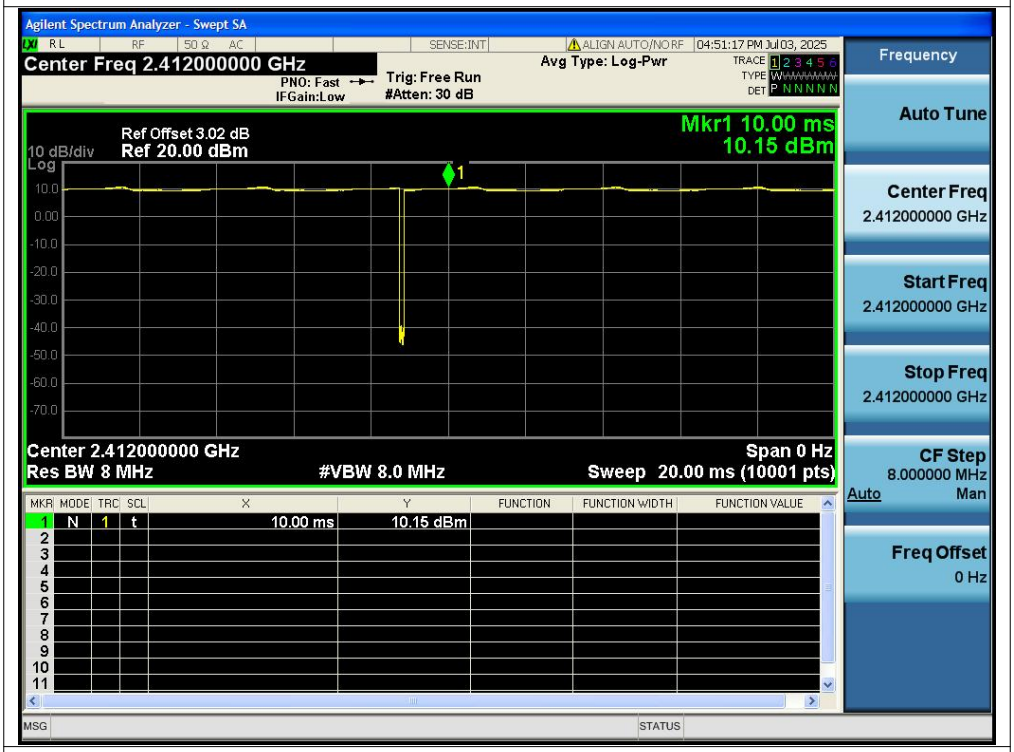
Appendix A_WiFi

Duty Cycle

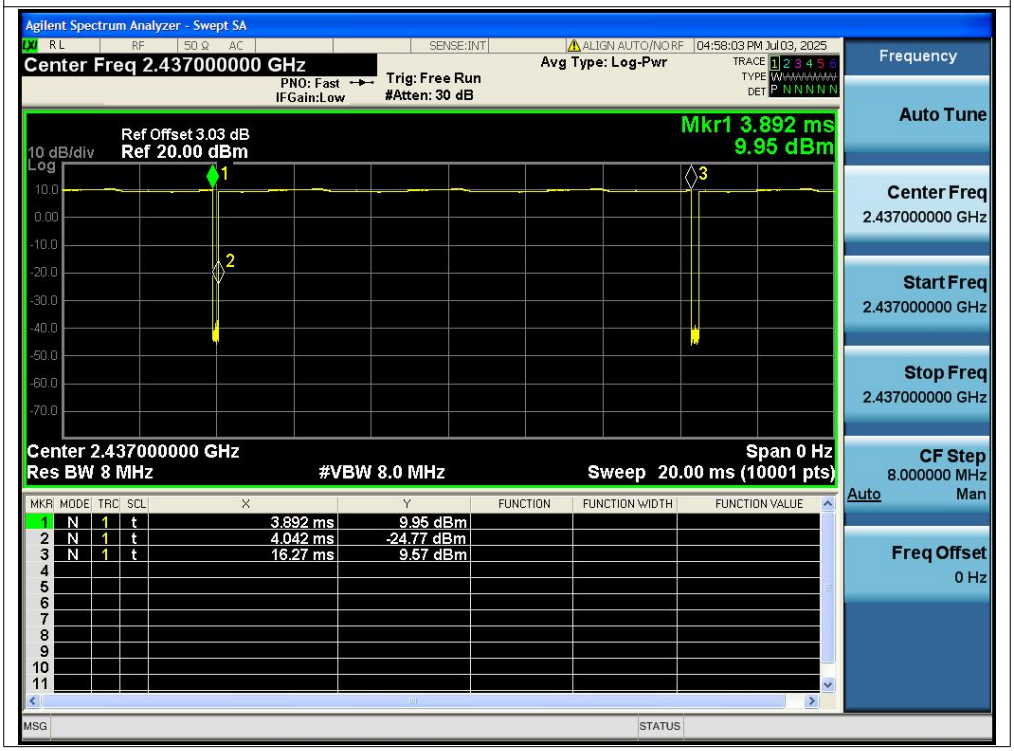
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.39	0	0
NVNT	b	2437	Ant1	98.79	0	0.08
NVNT	b	2462	Ant1	99.04	0	0.08
NVNT	g	2412	Ant1	90.64	0.43	0.49
NVNT	g	2437	Ant1	93.65	0.28	0.49
NVNT	g	2462	Ant1	94.25	0.26	0.49
NVNT	n20	2412	Ant1	93.3	0.3	0.53
NVNT	n20	2437	Ant1	92.39	0.34	0.53
NVNT	n20	2462	Ant1	93.3	0.3	0.53
NVNT	n40	2422	Ant1	88.28	0.54	1.07
NVNT	n40	2437	Ant1	82.92	0.81	1.07
NVNT	n40	2452	Ant1	80.52	0.94	1.07
NVNT	ax20	2412	Ant1	88.94	0.51	0.68
NVNT	ax20	2437	Ant1	90.92	0.41	0.68
NVNT	ax20	2462	Ant1	92.19	0.35	0.68
NVNT	ax40	2422	Ant1	85.65	0.67	1.31
NVNT	ax40	2437	Ant1	85.46	0.68	1.31
NVNT	ax40	2452	Ant1	86	0.66	1.31

Test Graphs

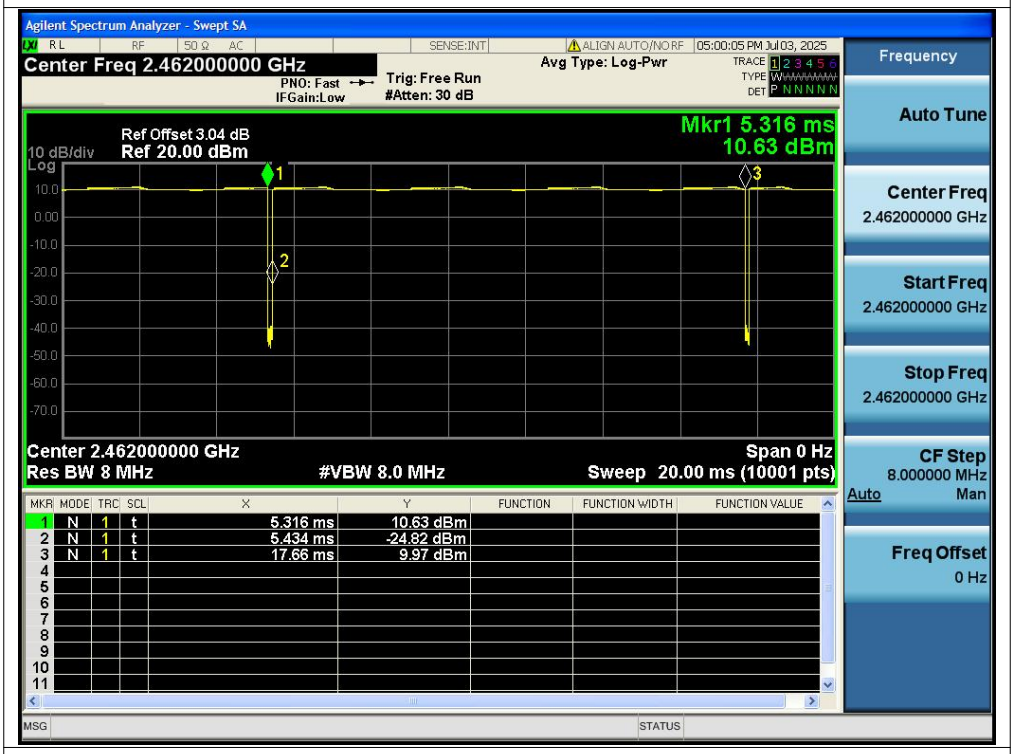
Duty Cycle NVNT b 2412MHz Ant1



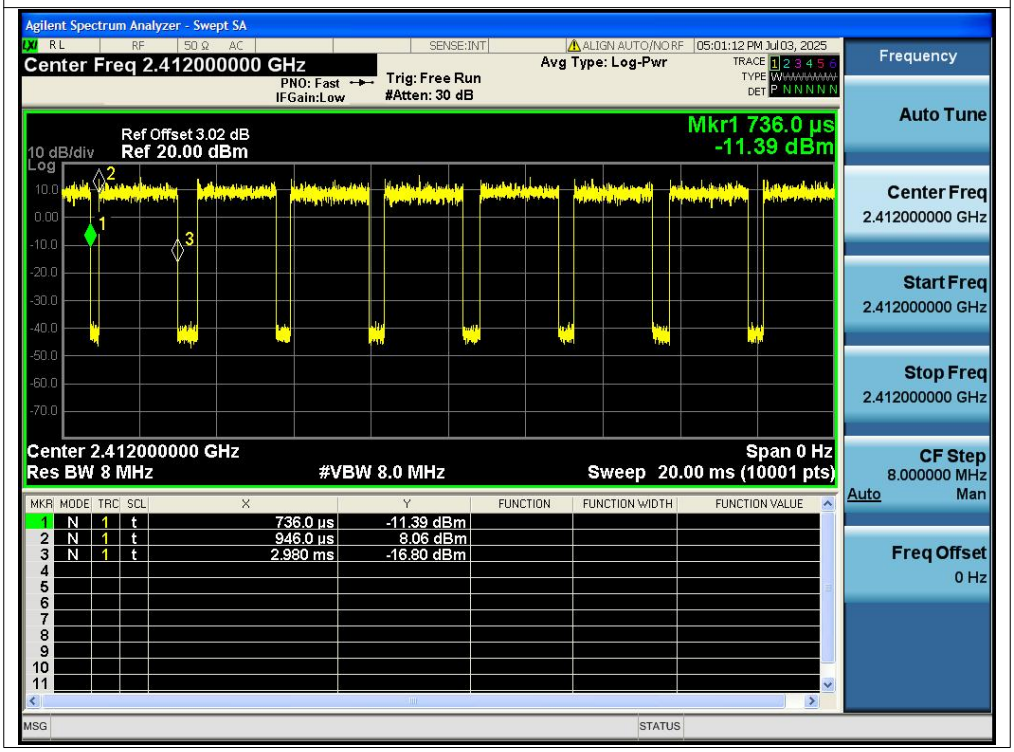
Duty Cycle NVNT b 2437MHz Ant1



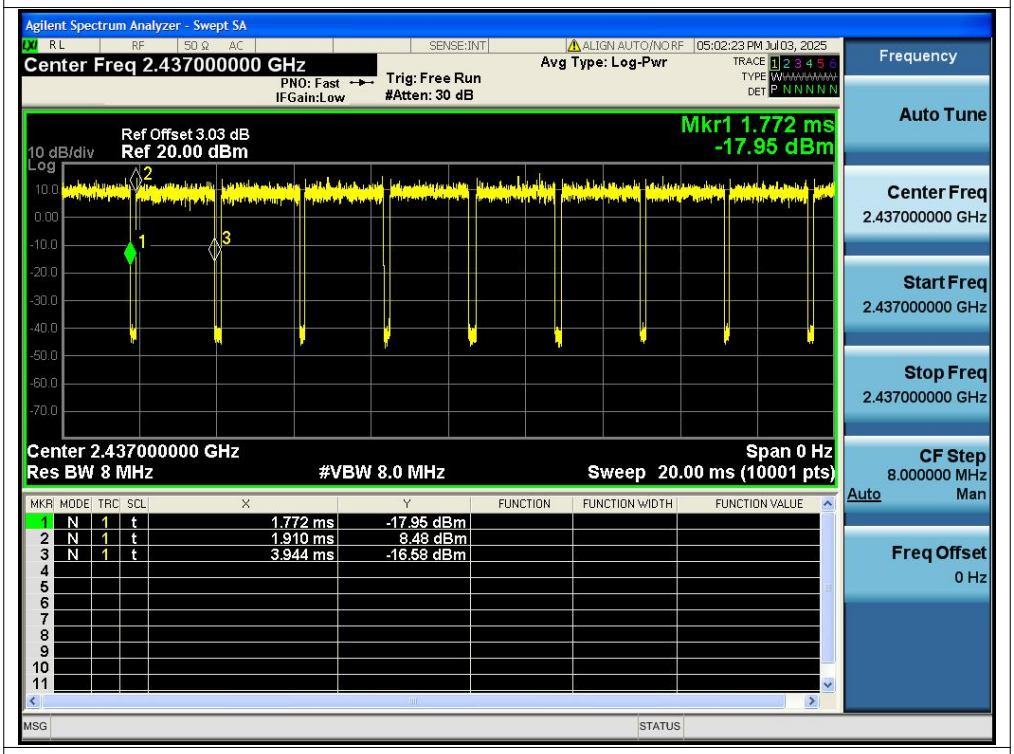
Duty Cycle NVNT b 2462MHz Ant1



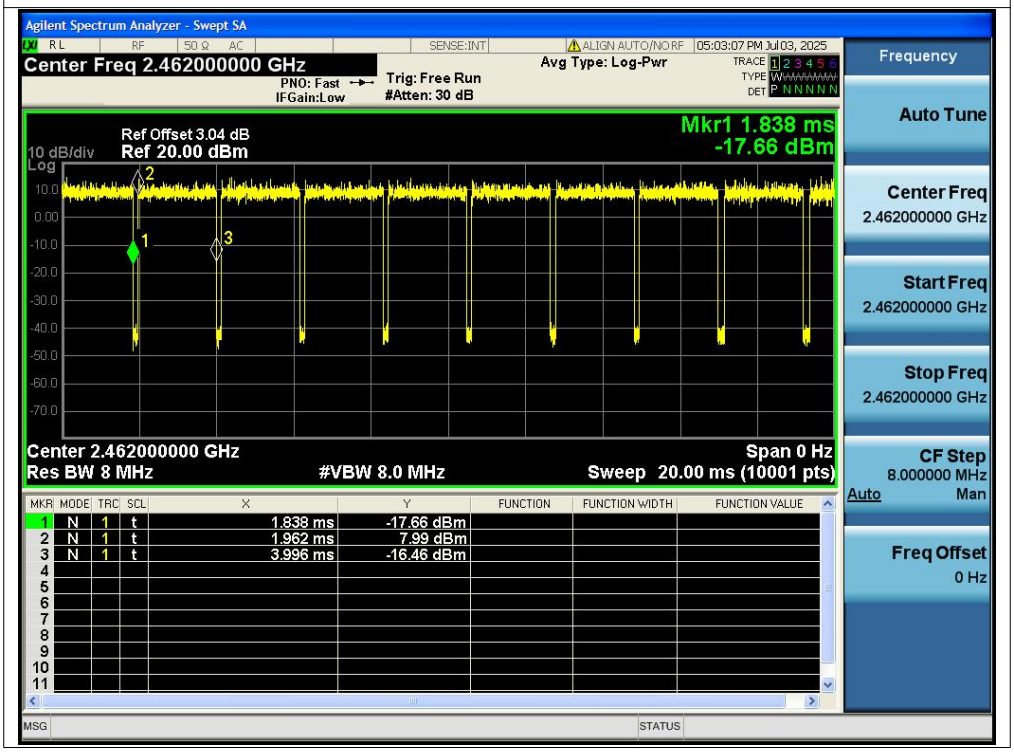
Duty Cycle NVNT g 2412MHz Ant1



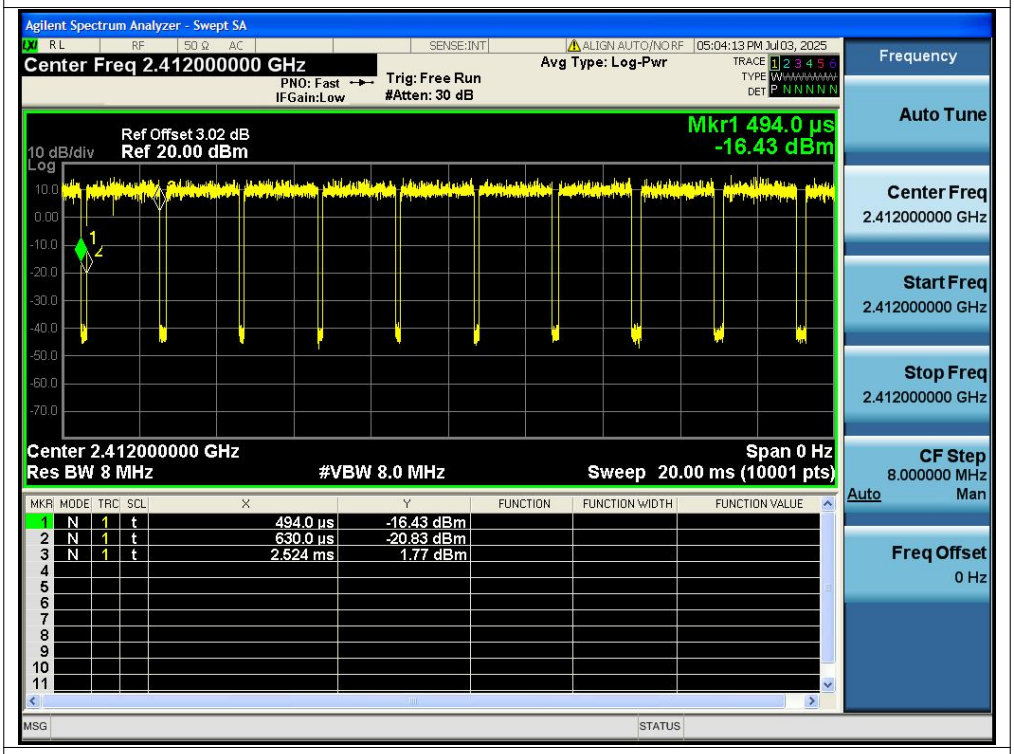
Duty Cycle NVNT g 2437MHz Ant1



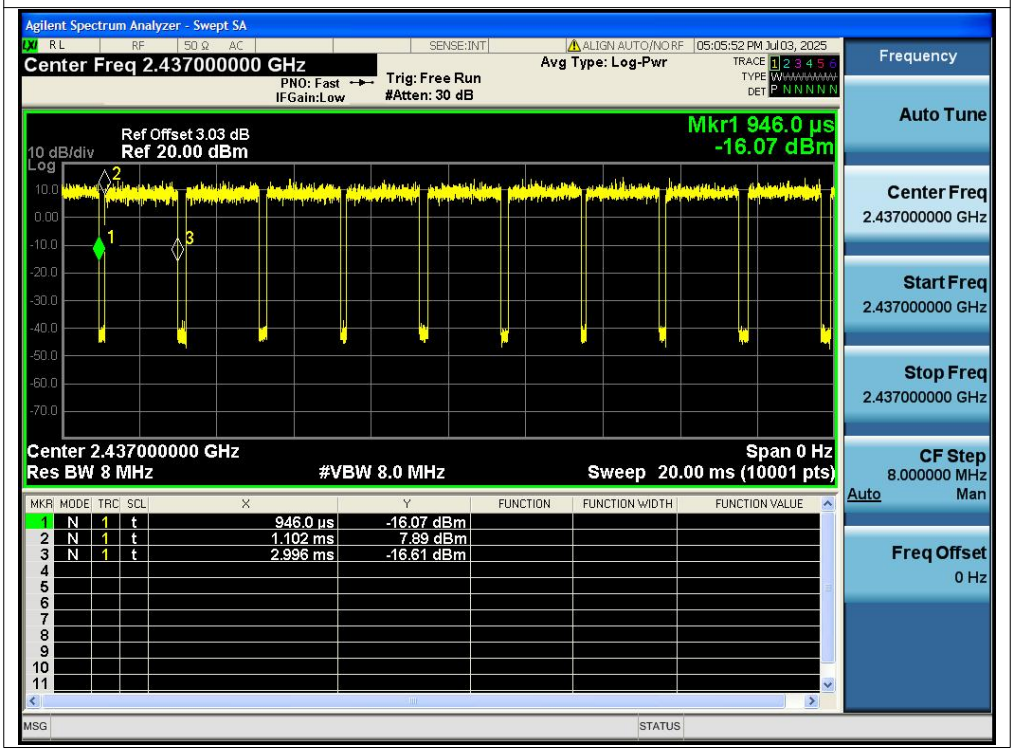
Duty Cycle NVNT g 2462MHz Ant1



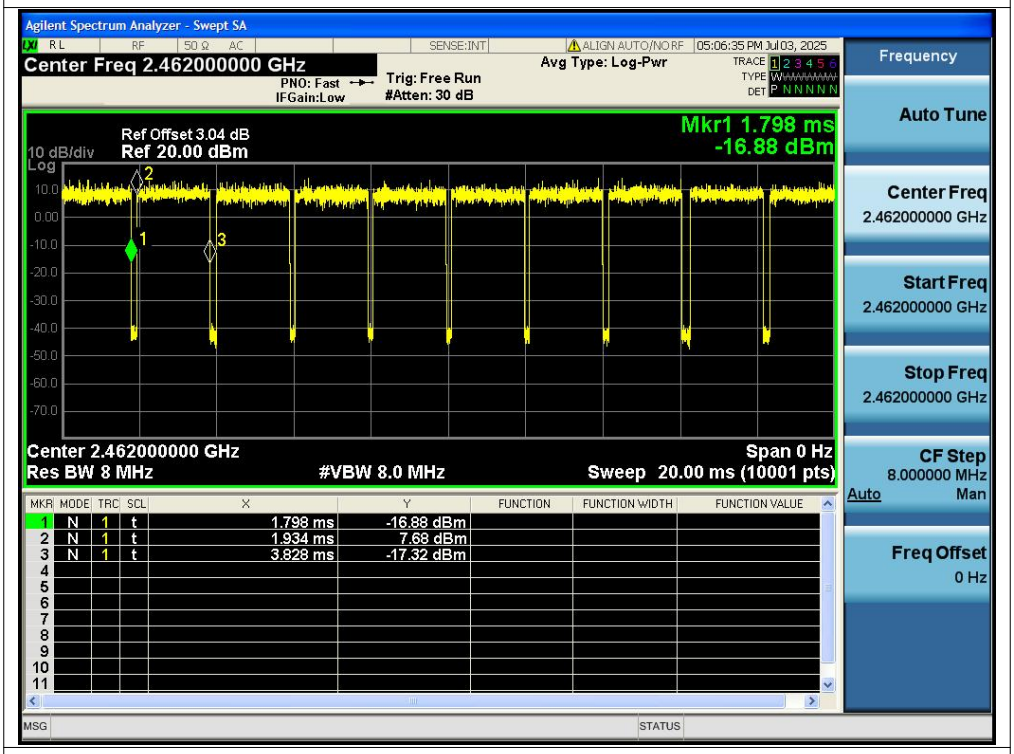
Duty Cycle NVNT n20 2412MHz Ant1



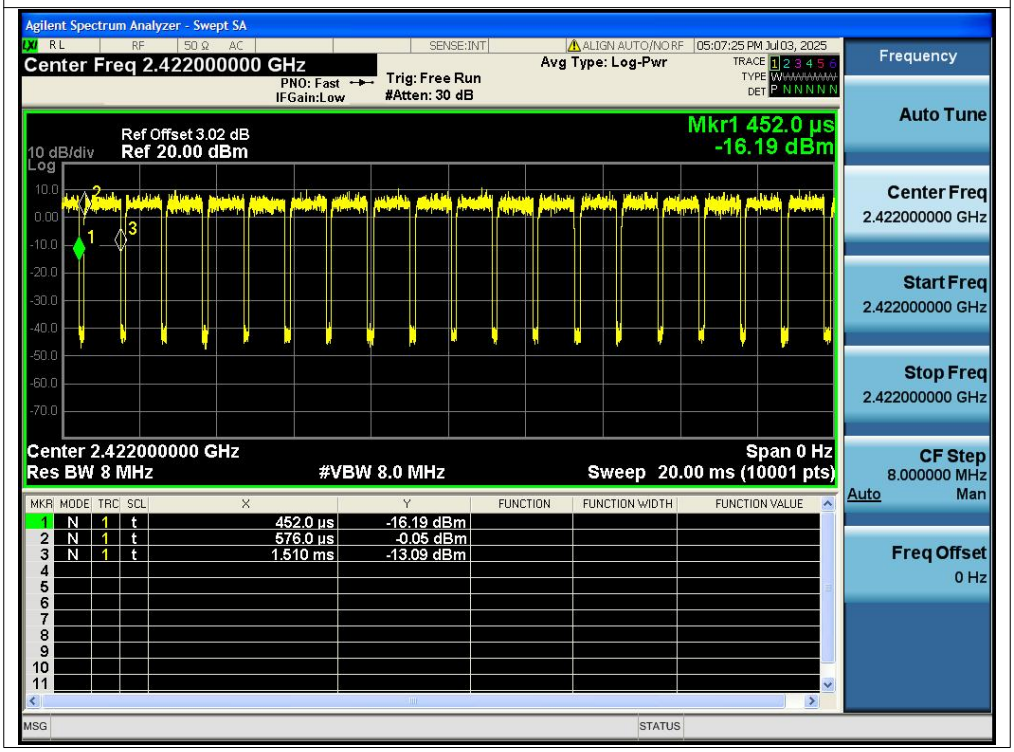
Duty Cycle NVNT n20 2437MHz Ant1



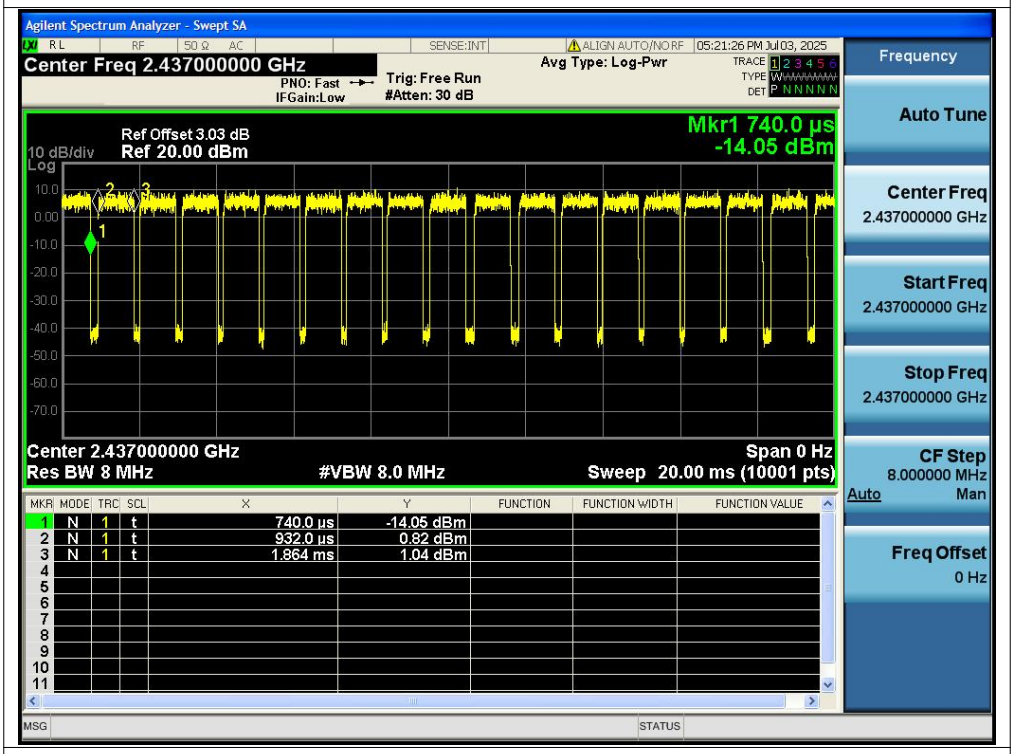
Duty Cycle NVNT n20 2462MHz Ant1



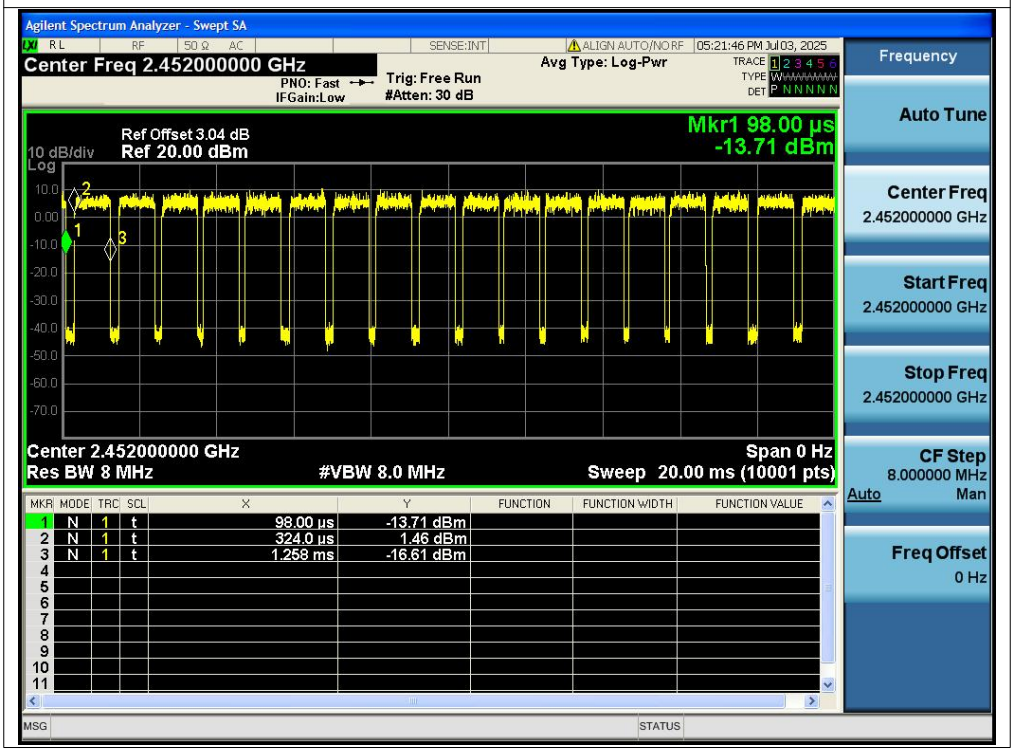
Duty Cycle NVNT n40 2422MHz Ant1



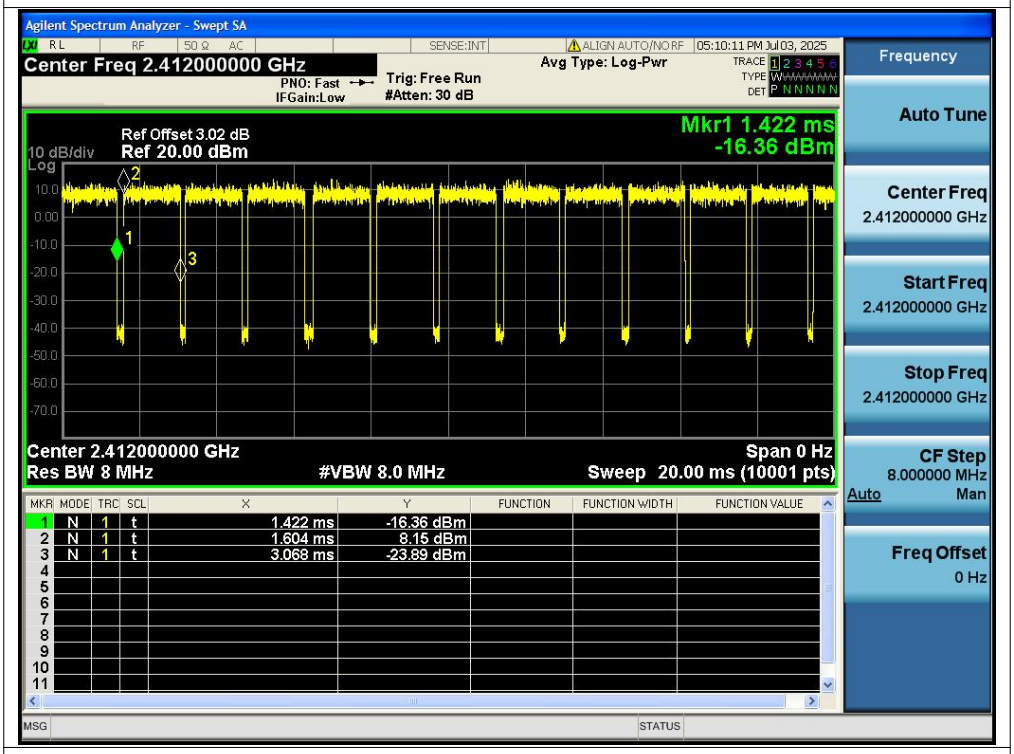
Duty Cycle NVNT n40 2437MHz Ant1



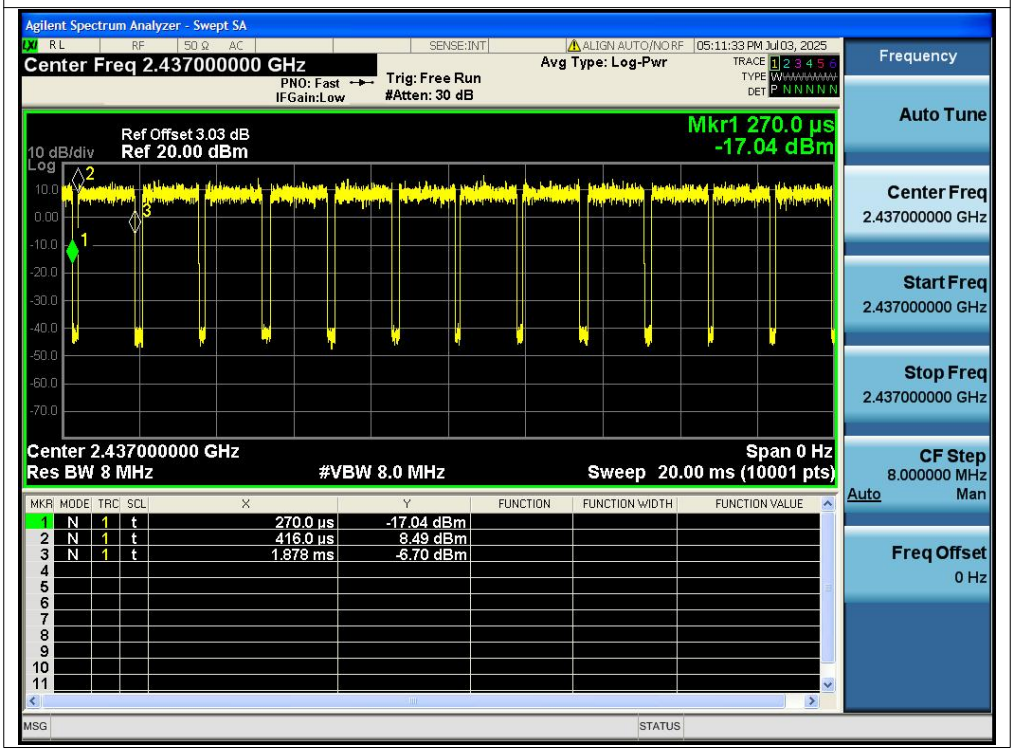
Duty Cycle NVNT n40 2452MHz Ant1



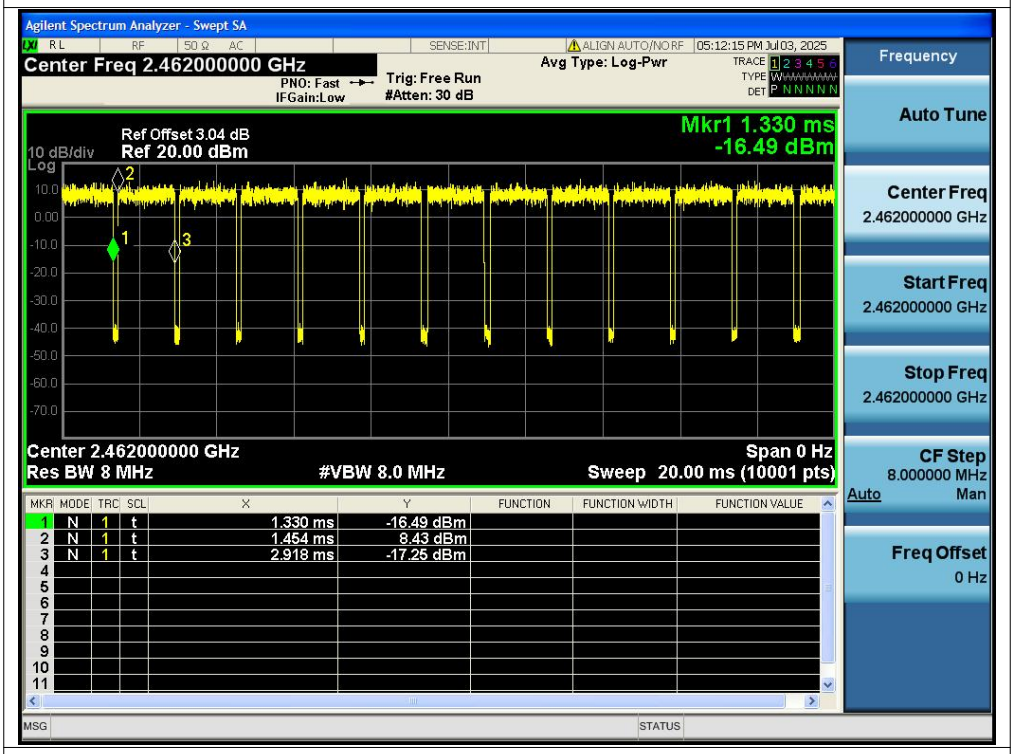
Duty Cycle NVNT ax20 2412MHz Ant1



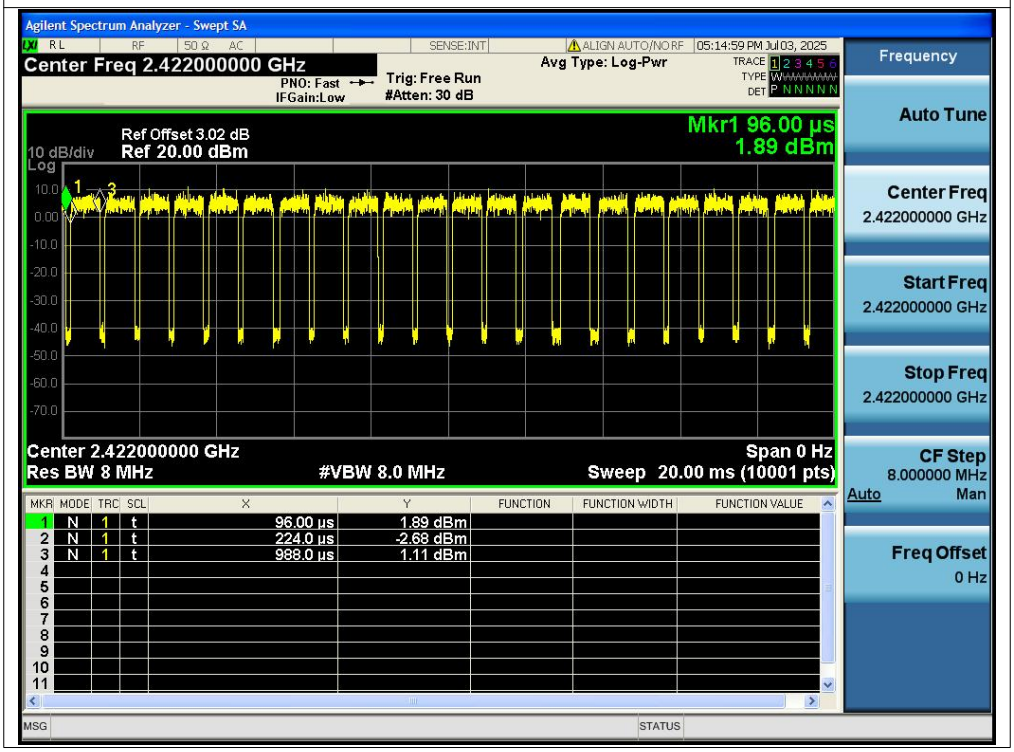
Duty Cycle NVNT ax20 2437MHz Ant1



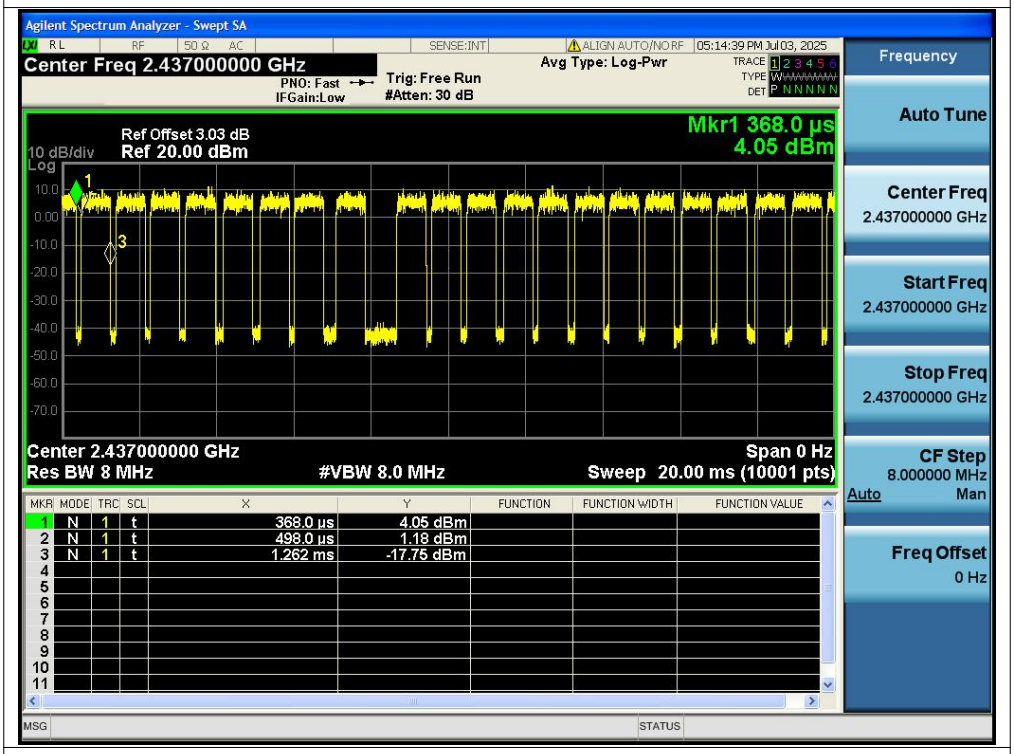
Duty Cycle NVNT ax20 2462MHz Ant1



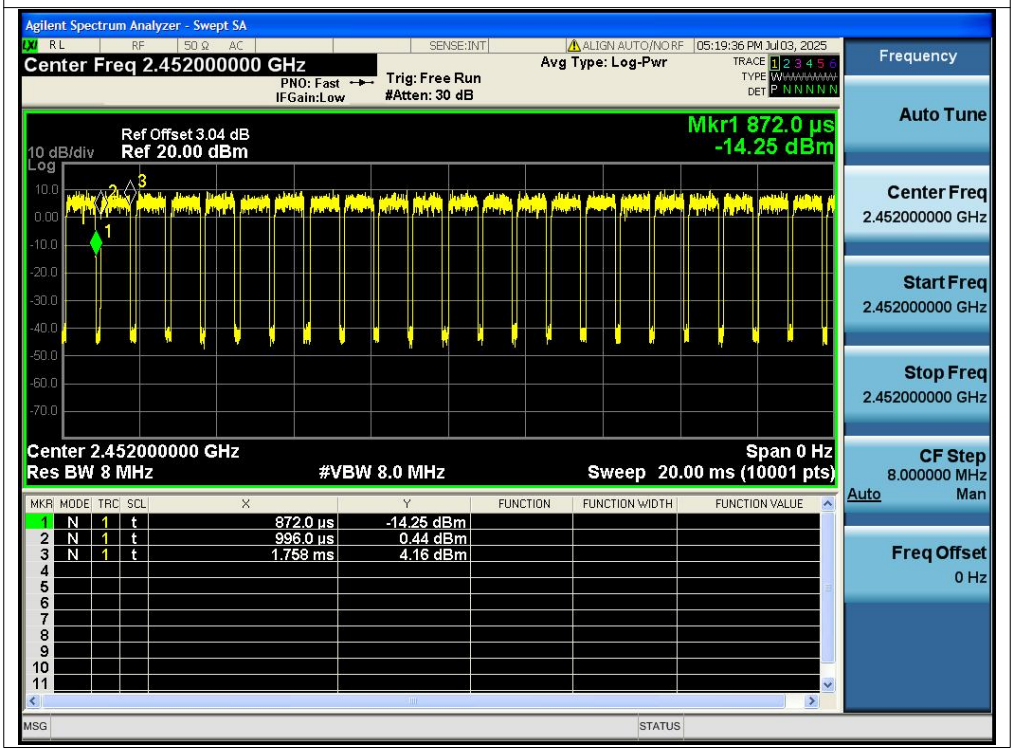
Duty Cycle NVNT ax40 2422MHz Ant1



Duty Cycle NVNT ax40 2437MHz Ant1



Duty Cycle NVNT ax40 2452MHz Ant1

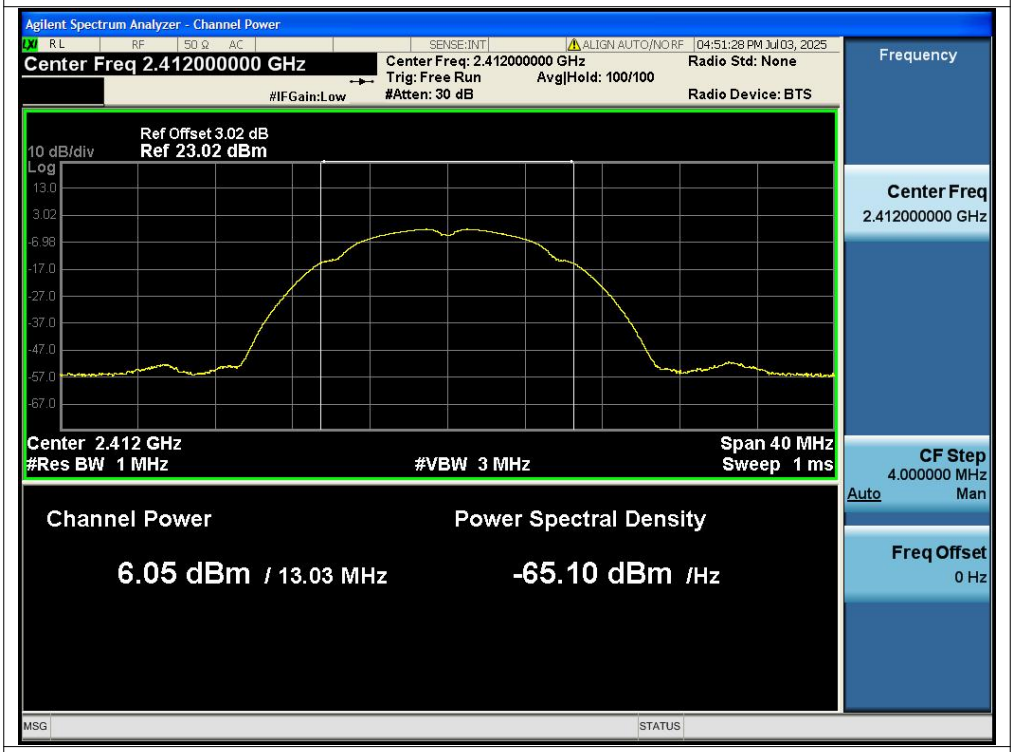


Maximum Conducted Output Power

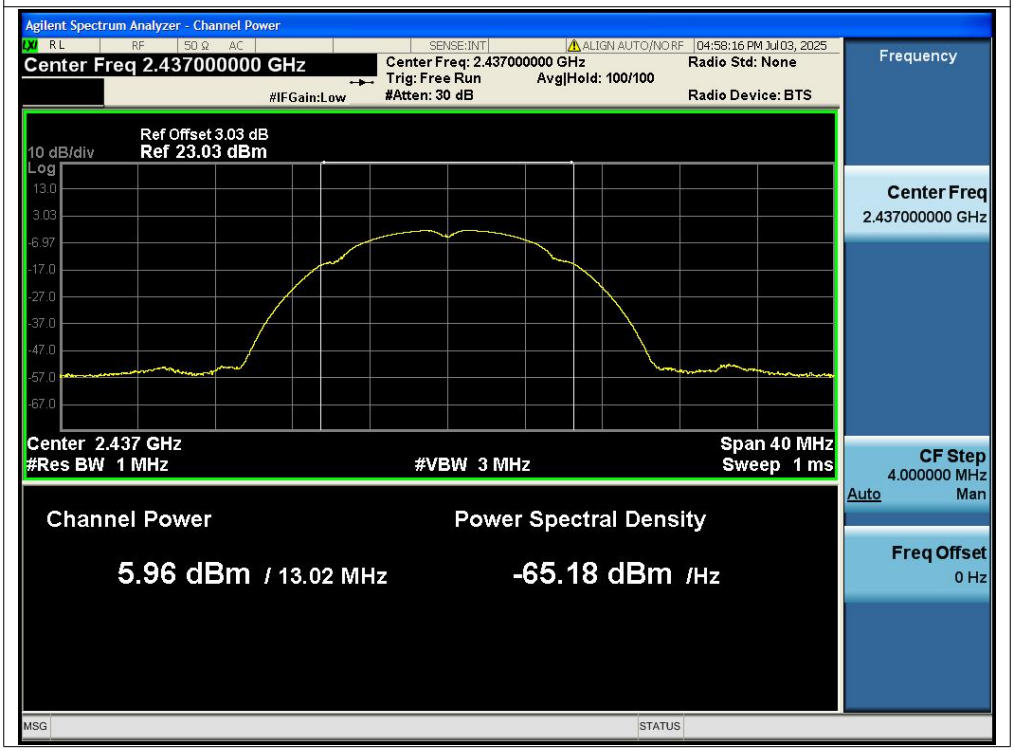
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	6.05	0	6.05	30	Pass
NVNT	b	2437	Ant1	5.96	0	5.96	30	Pass
NVNT	b	2462	Ant1	6.56	0	6.56	30	Pass
NVNT	g	2412	Ant1	5.6	0.43	6.03	30	Pass
NVNT	g	2437	Ant1	6	0.28	6.28	30	Pass
NVNT	g	2462	Ant1	5.7	0.26	5.96	30	Pass
NVNT	n20	2412	Ant1	5.61	0.3	5.91	30	Pass
NVNT	n20	2437	Ant1	5.6	0.34	5.94	30	Pass
NVNT	n20	2462	Ant1	5.42	0.3	5.72	30	Pass
NVNT	n40	2422	Ant1	4.92	0.54	5.46	30	Pass
NVNT	n40	2437	Ant1	5.41	0.81	6.22	30	Pass
NVNT	n40	2452	Ant1	5.5	0.94	6.44	30	Pass
NVNT	ax20	2412	Ant1	5.44	0.51	5.95	30	Pass
NVNT	ax20	2437	Ant1	5.58	0.41	5.99	30	Pass
NVNT	ax20	2462	Ant1	5.48	0.35	5.83	30	Pass
NVNT	ax40	2422	Ant1	4.74	0.67	5.41	30	Pass
NVNT	ax40	2437	Ant1	5.22	0.68	5.9	30	Pass
NVNT	ax40	2452	Ant1	5.21	0.66	5.87	30	Pass

Test Graphs

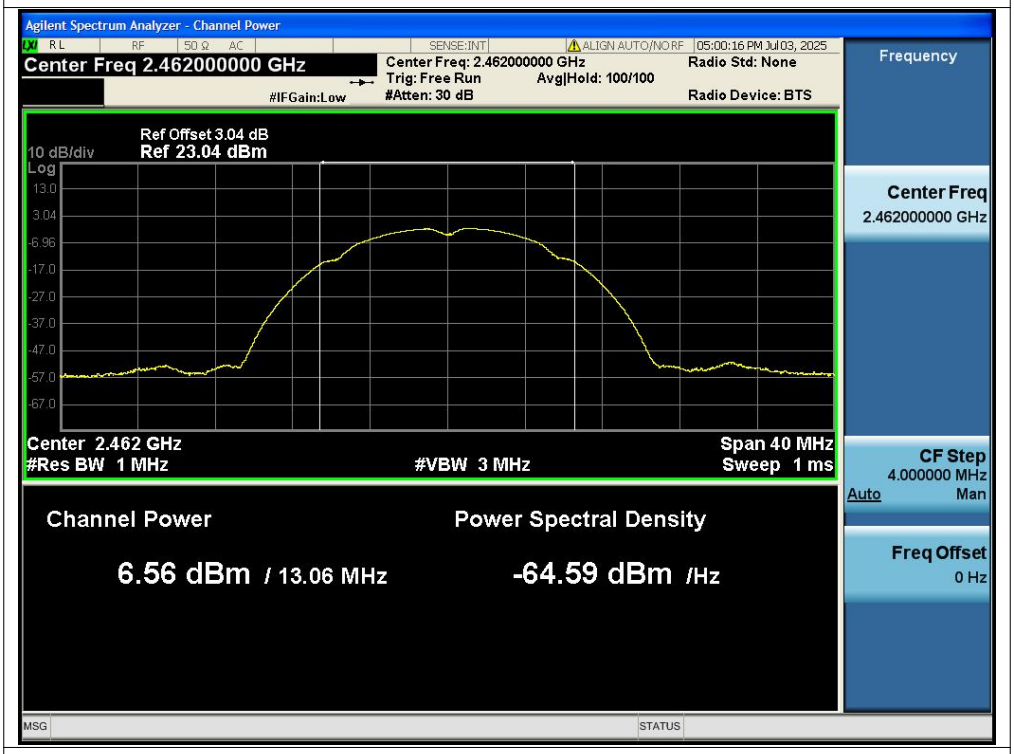
Power NVNT b 2412MHz Ant1



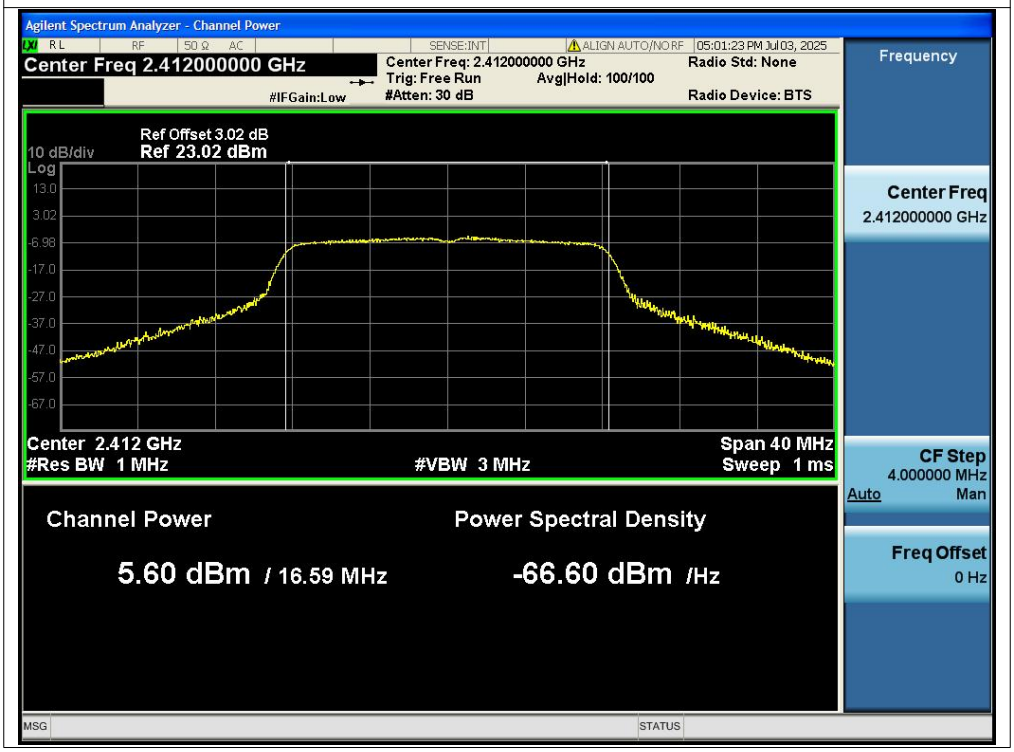
Power NVNT b 2437MHz Ant1



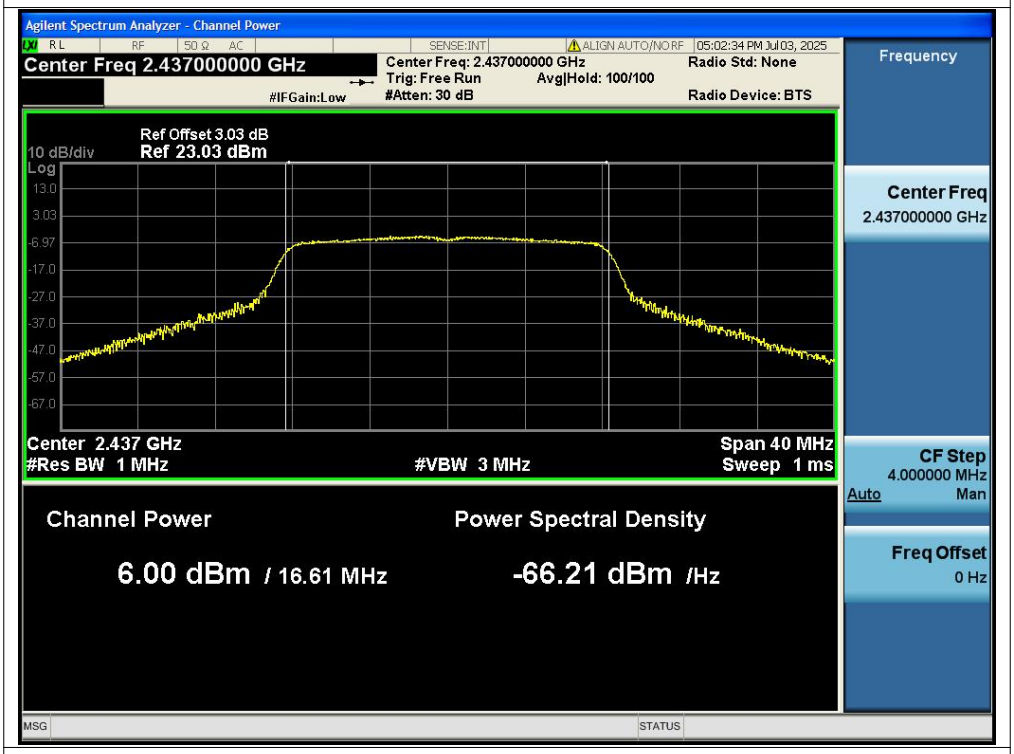
Power NVNT b 2462MHz Ant1



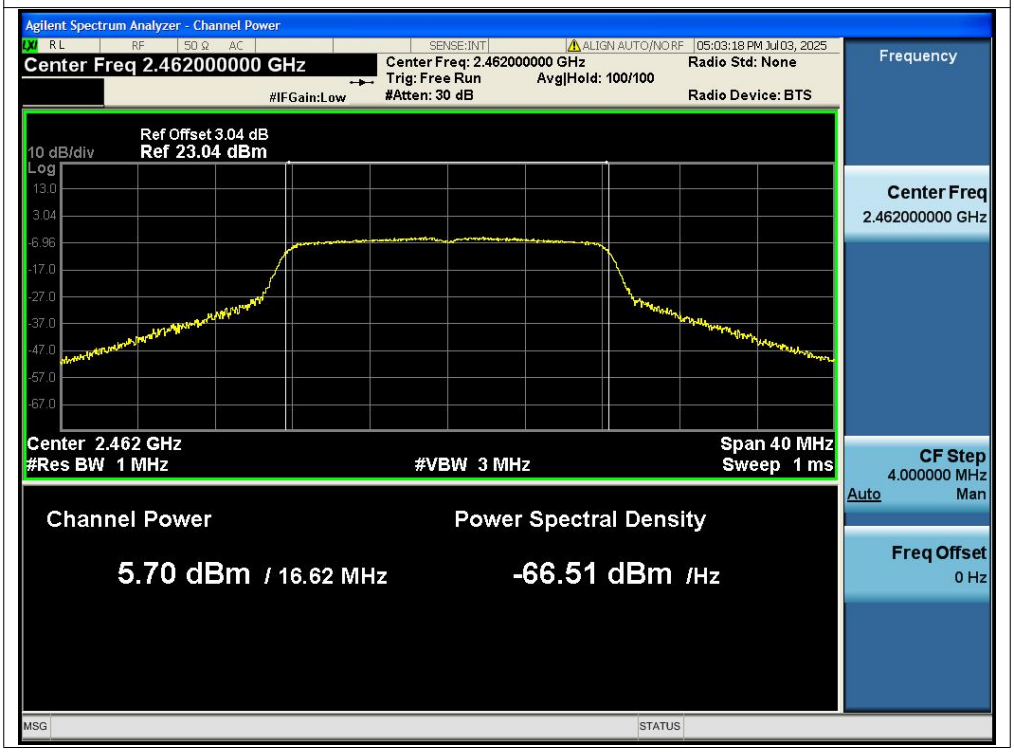
Power NVNT g 2412MHz Ant1



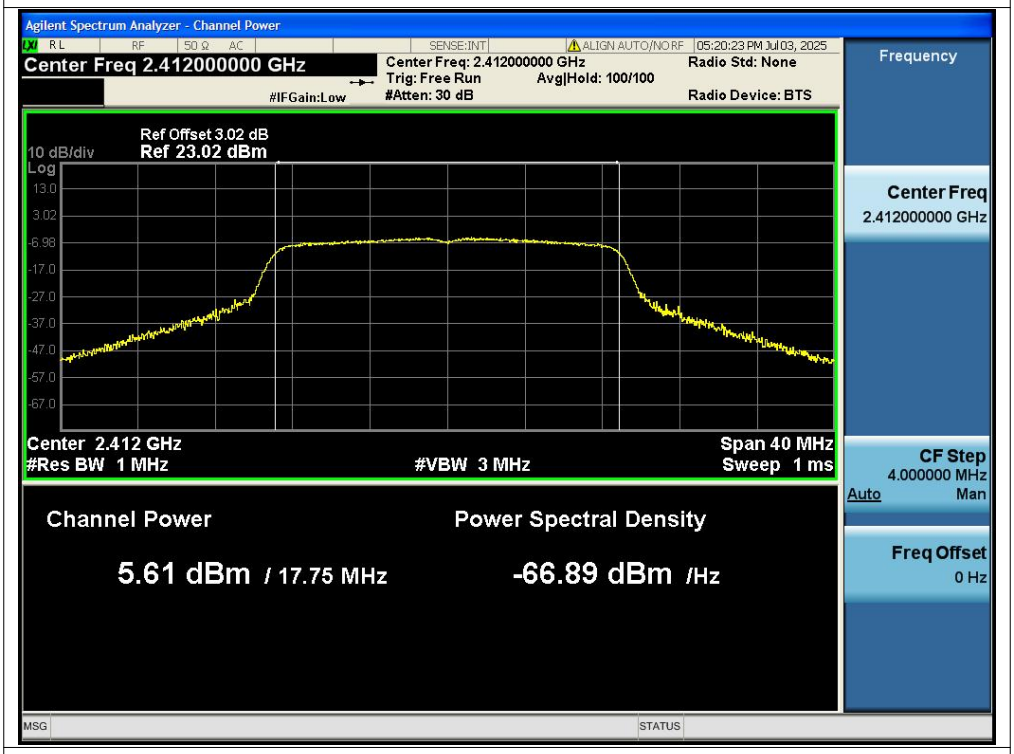
Power NVNT g 2437MHz Ant1



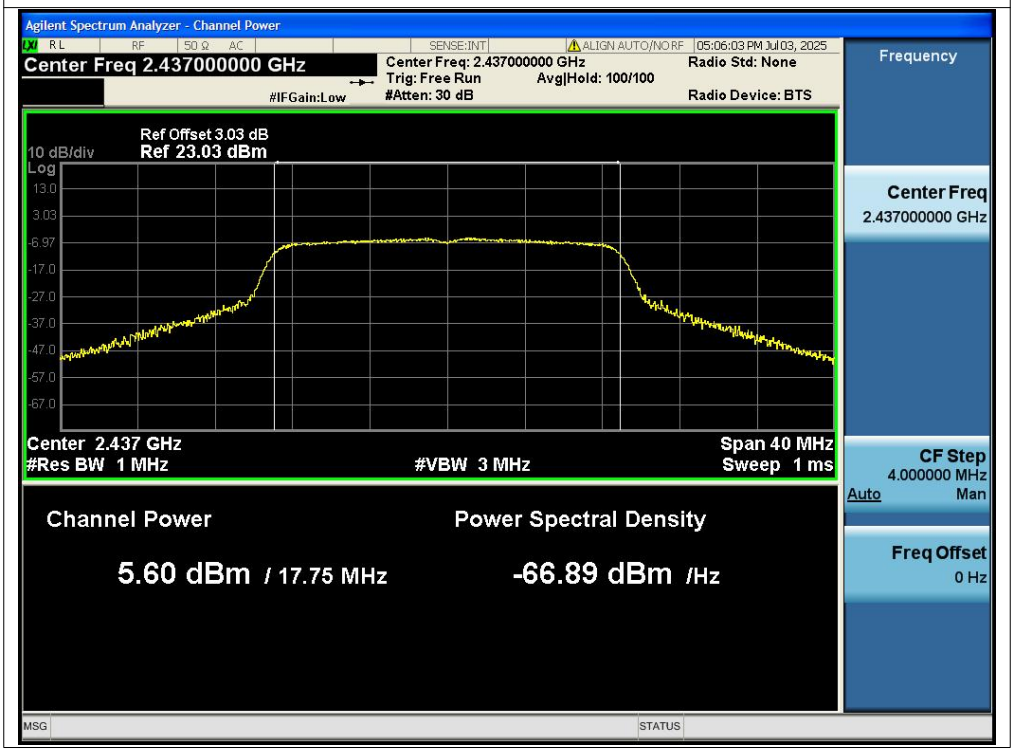
Power NVNT g 2462MHz Ant1



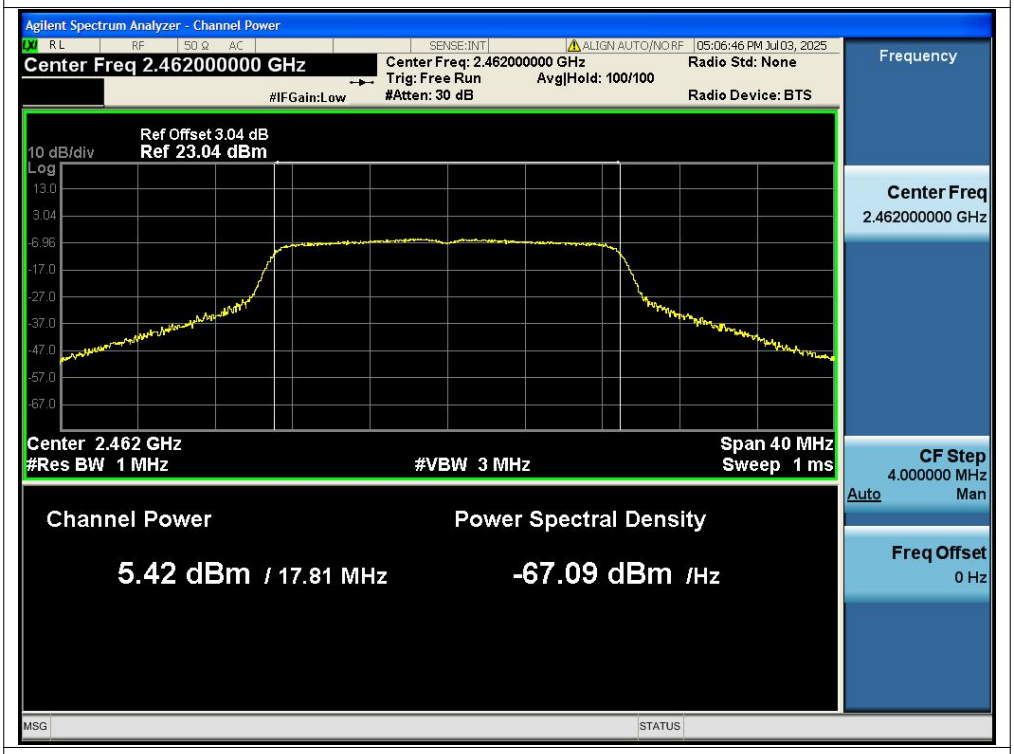
Power NVNT n20 2412MHz Ant1



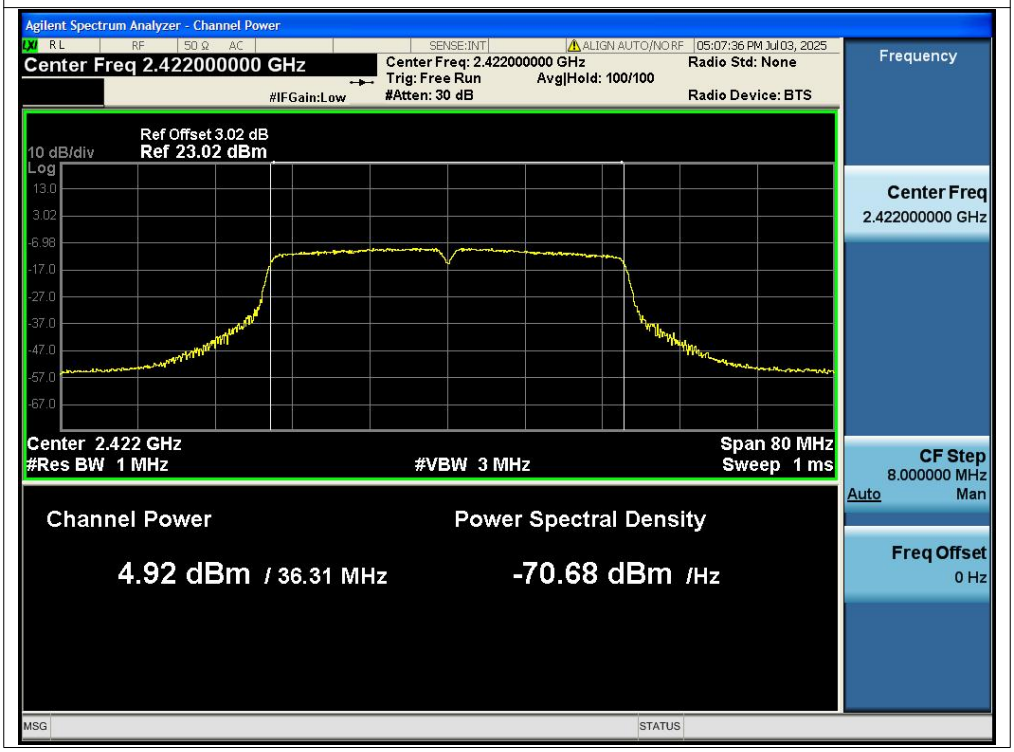
Power NVNT n20 2437MHz Ant1



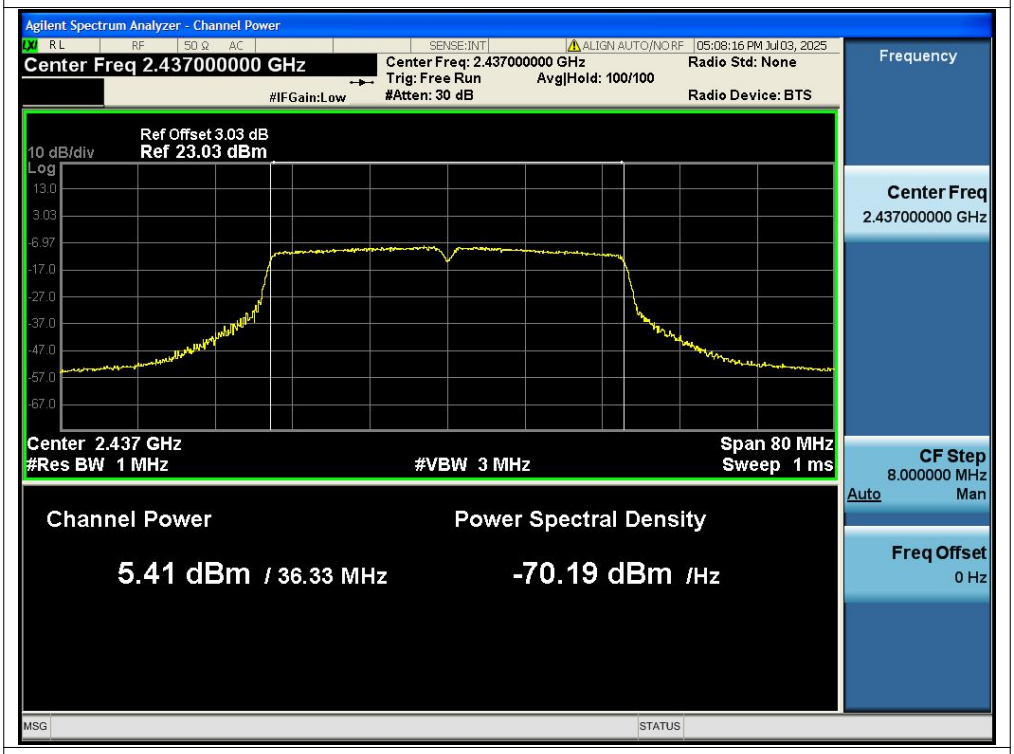
Power NVNT n20 2462MHz Ant1



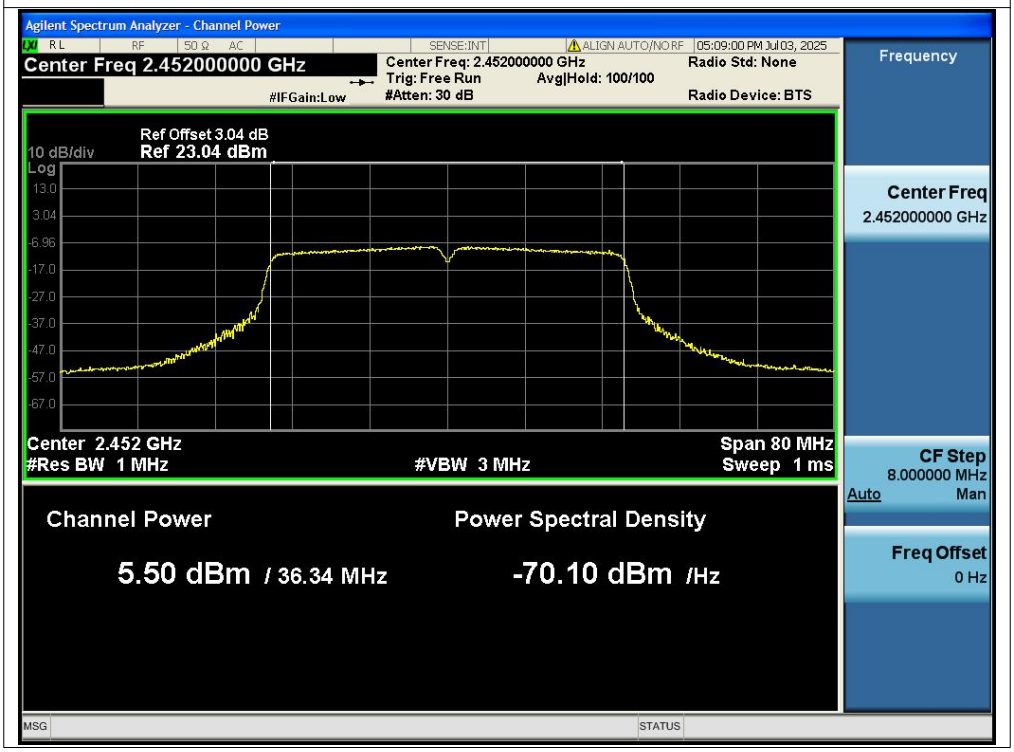
Power NVNT n40 2422MHz Ant1



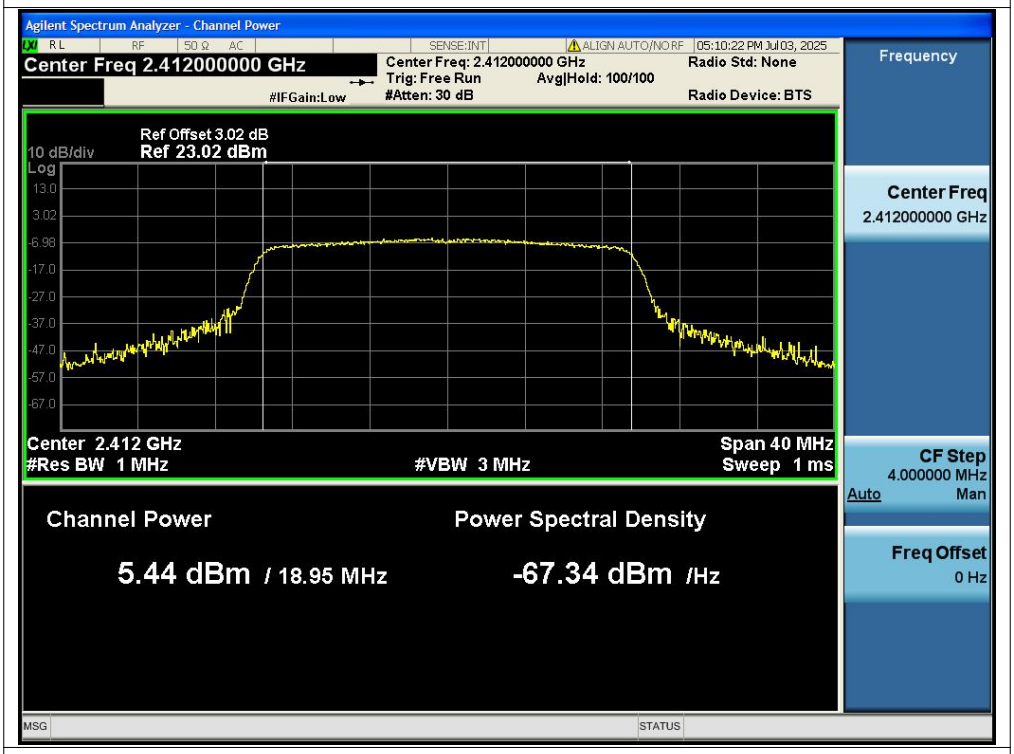
Power NVNT n40 2437MHz Ant1



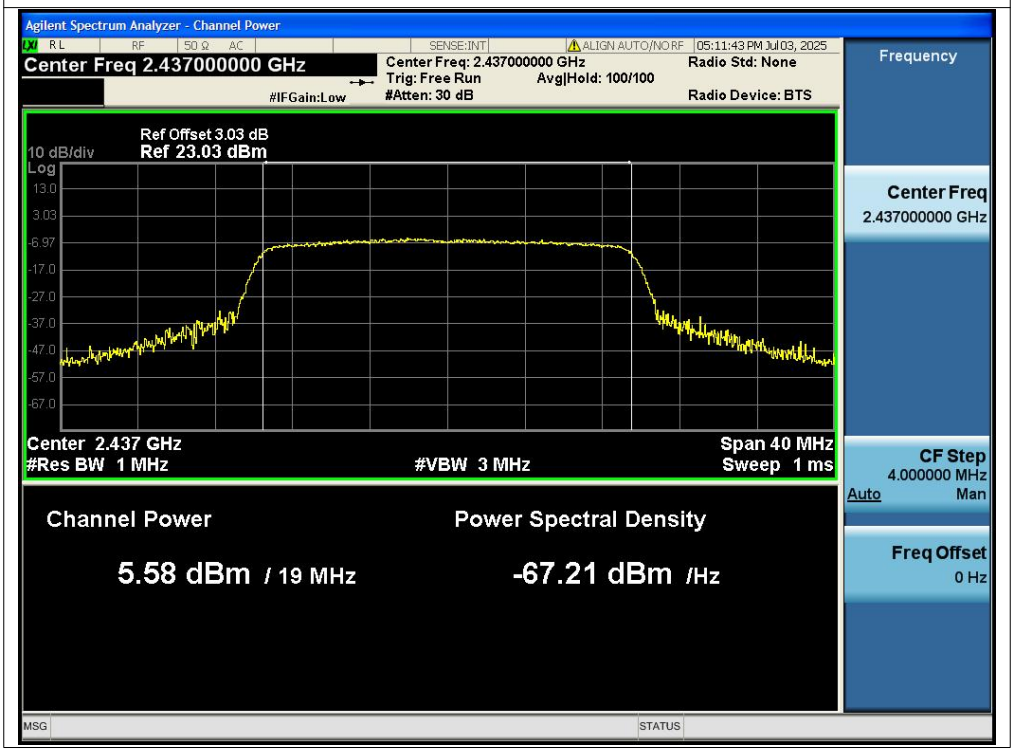
Power NVNT n40 2452MHz Ant1



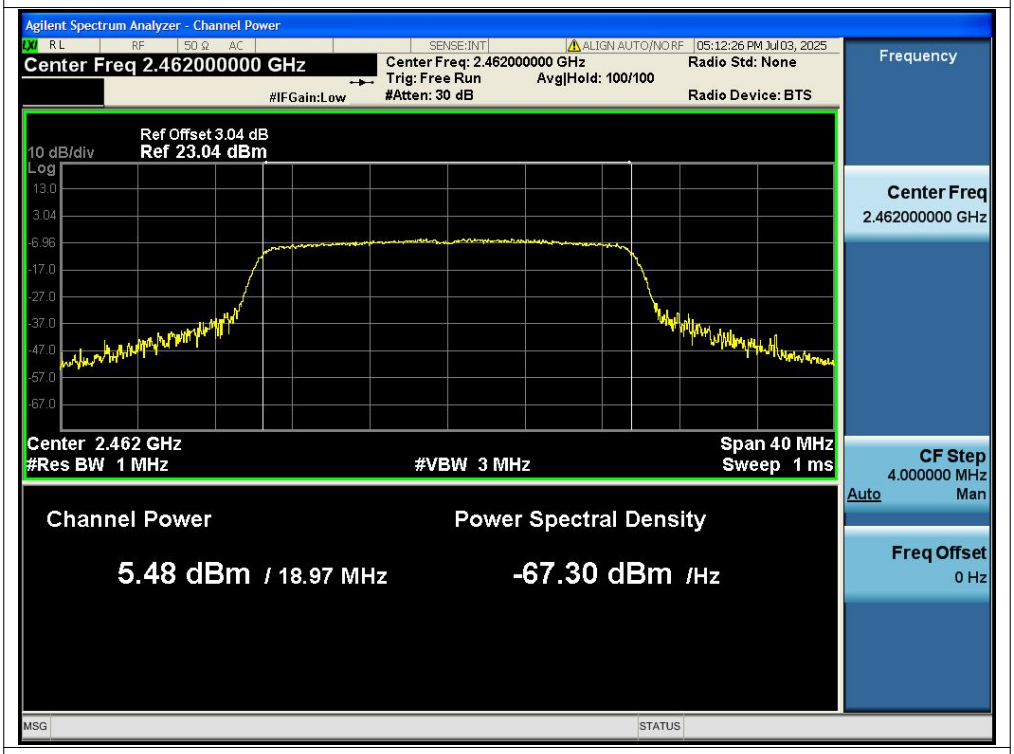
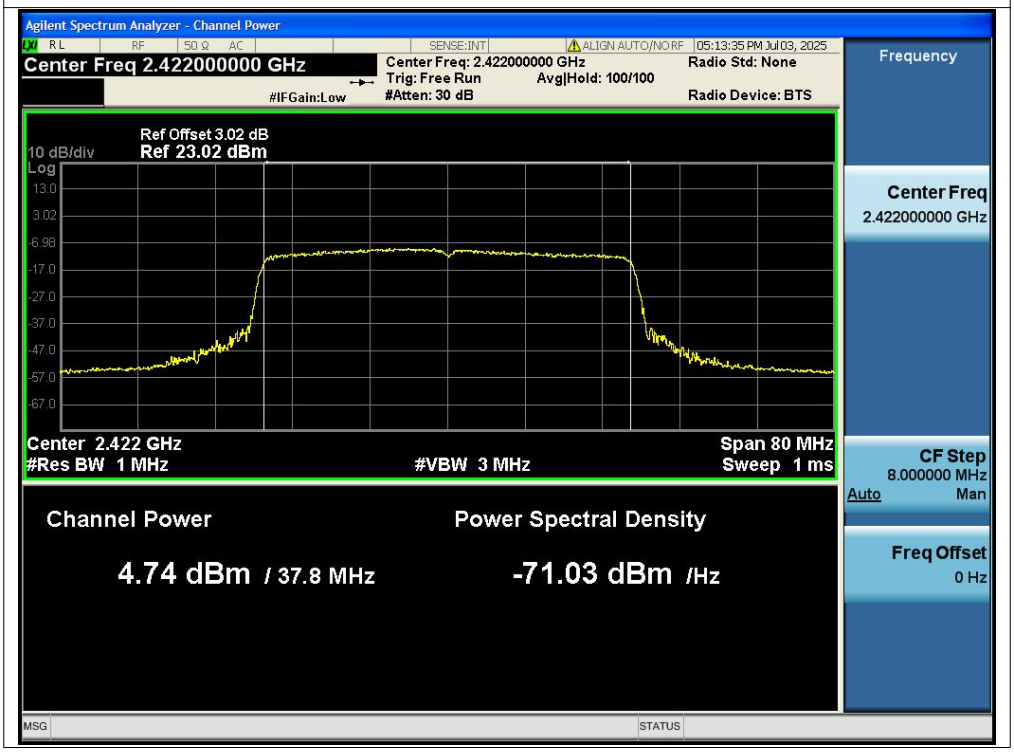
Power NVNT ax20 2412MHz Ant1



Power NVNT ax20 2437MHz Ant1



Power NVNT ax20 2462MHz Ant1



Power NVNT ax40 2422MHz Ant1