

# RF Test Data for 2.4G WiFi (Conducted Measurements)

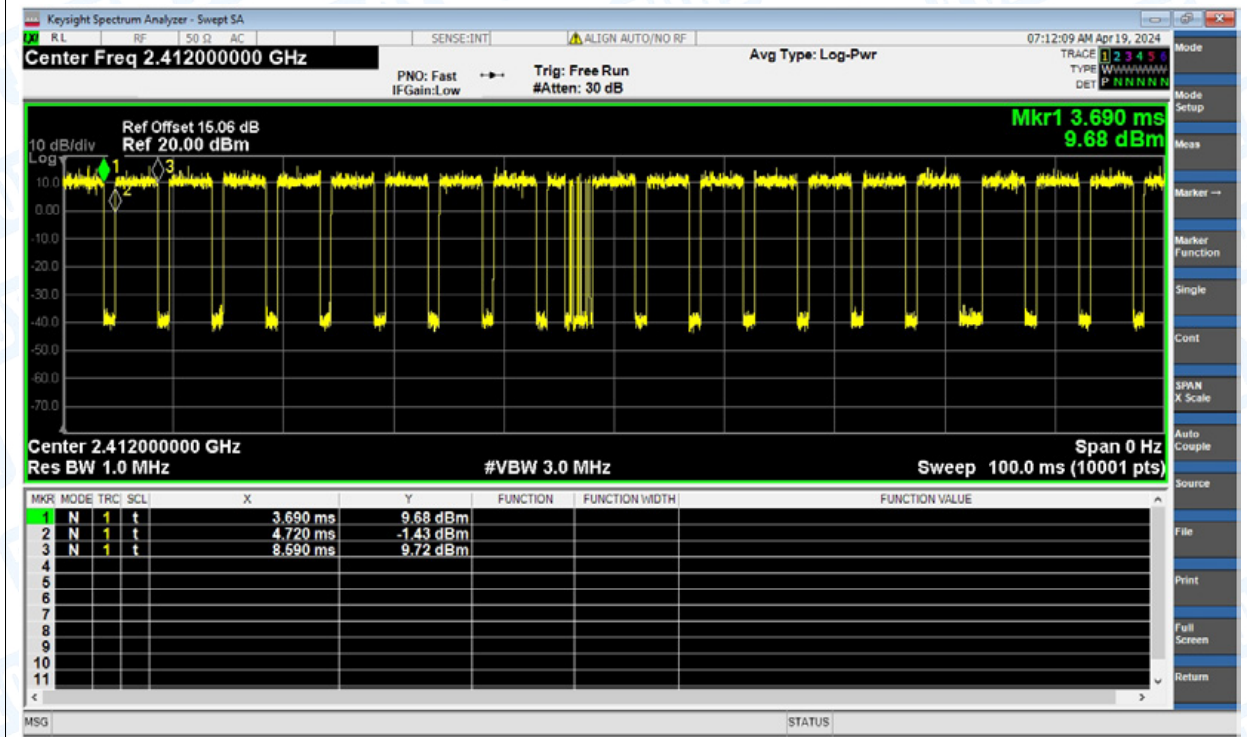
General Description of EUT	
<b>Product Name:</b>	Wireless Network Video Recorder
<b>Test Model:</b>	WNVR-FWR8G1-8
<b>Sample ID:</b>	HC-C-202403-0339-01-01-2#
Environmental Conditions	
<b>Temperature:</b>	23.8°C
<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V
<b>Test Engineer:</b>	ZKN zhou
Note: For a more detailed features description, please refer to the report TBR-C-202403-0339-32 The report only show the worst case data.	

# 1. Duty Cycle

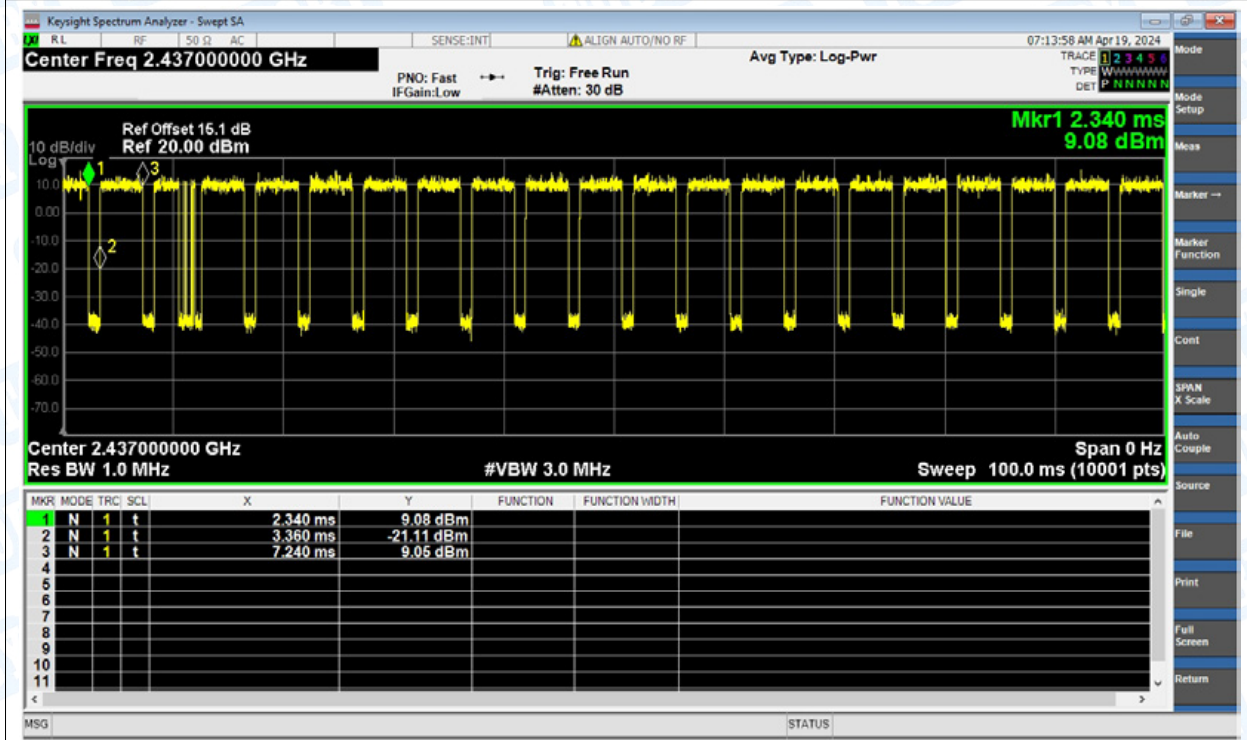
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax(VHT20)	2412	Ant1	78.98	1.02	0.26
NVNT	ax(VHT20)	2437	Ant1	79.18	1.01	0.26
NVNT	ax(VHT20)	2462	Ant1	79.18	1.01	0.26
NVNT	ax(VHT40)	2422	Ant1	79.18	1.01	0.26
NVNT	ax(VHT40)	2437	Ant1	79.14	1.02	0.26
NVNT	ax(VHT40)	2452	Ant1	79.18	1.01	0.26
NVNT	b	2412	Ant1	89.19	0.5	0.12
NVNT	b	2437	Ant1	89.19	0.5	0.12
NVNT	b	2462	Ant1	89.19	0.5	0.12
NVNT	g	2412	Ant1	57.44	2.41	0.72
NVNT	g	2437	Ant1	57.44	2.41	0.72
NVNT	g	2462	Ant1	57.61	2.4	0.71
NVNT	n(HT20)	2412	Ant1	83.17	0.8	0.2
NVNT	n(HT20)	2437	Ant1	83.31	0.79	0.2
NVNT	n(HT20)	2462	Ant1	83.17	0.8	0.2
NVNT	n(HT40)	2422	Ant1	82.77	0.82	0.2
NVNT	n(HT40)	2437	Ant1	82.6	0.83	0.2
NVNT	n(HT40)	2452	Ant1	82.6	0.83	0.2

Test Graphs

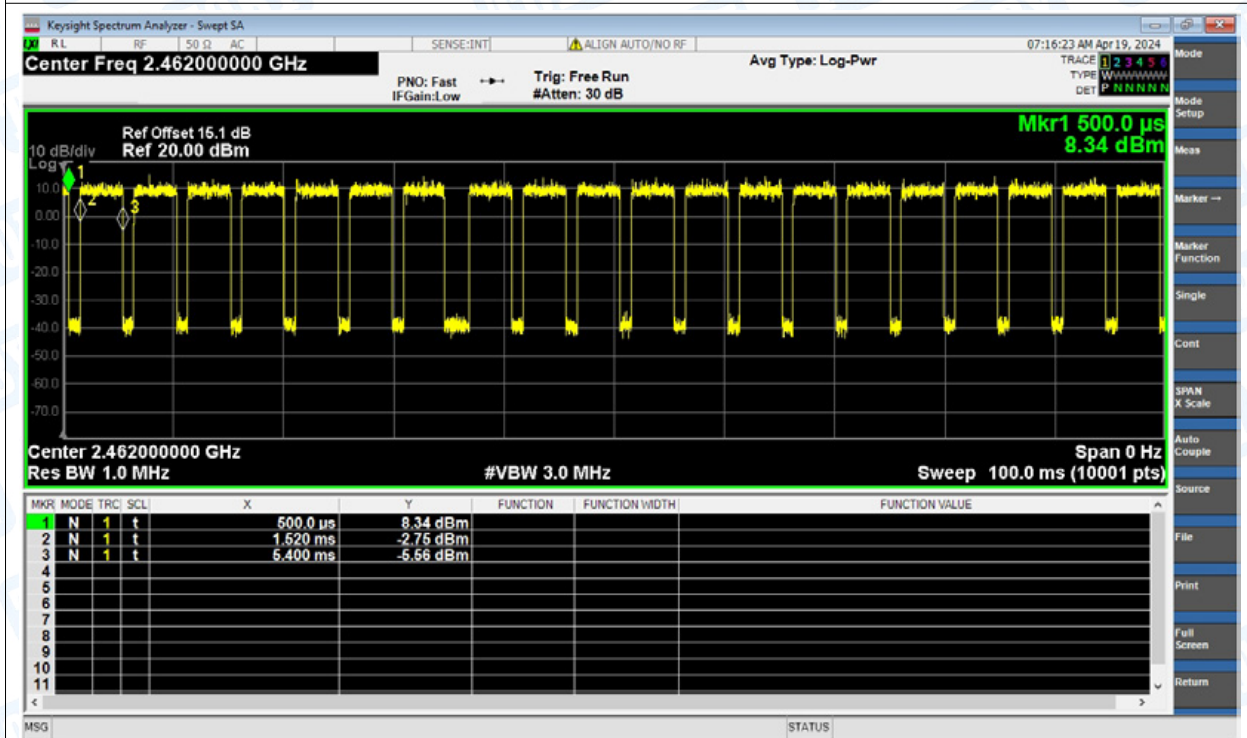
Duty Cycle NVNT ax(VHT20) 2412MHz Ant1



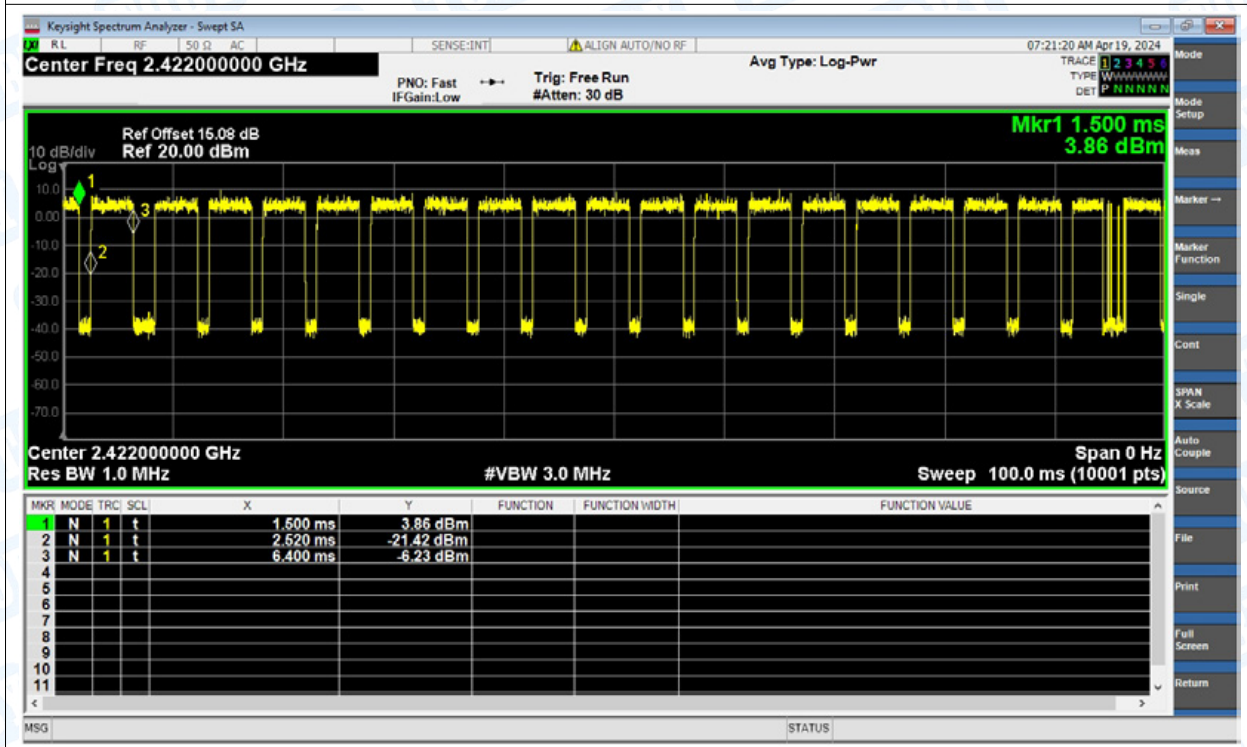
Duty Cycle NVNT ax(VHT20) 2437MHz Ant1



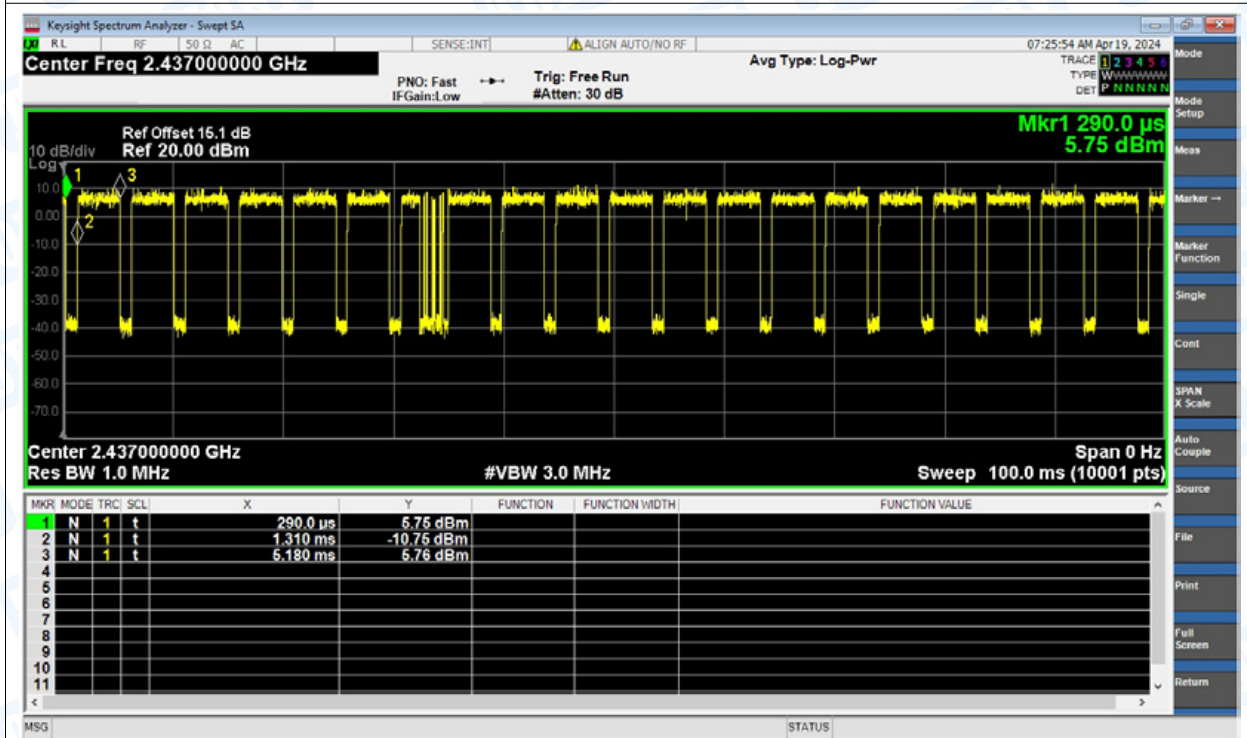
Duty Cycle NVNT ax(VHT20) 2462MHz Ant1



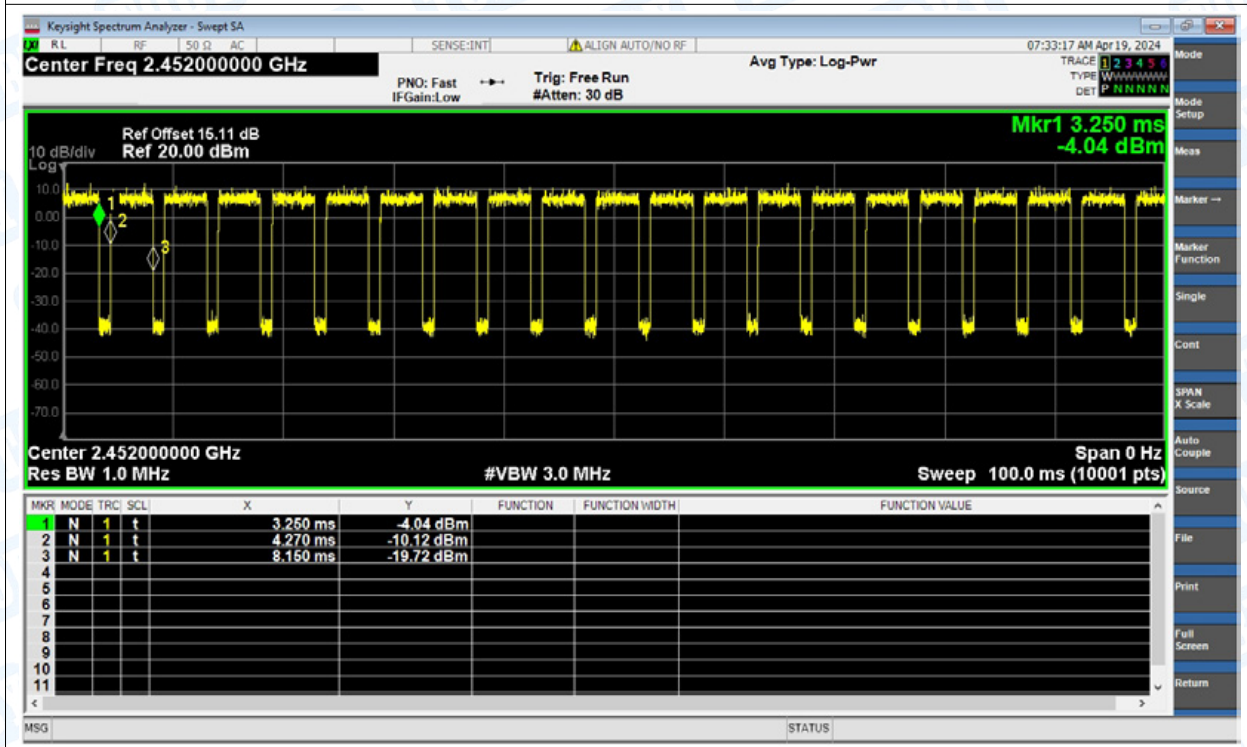
Duty Cycle NVNT ax(VHT40) 2422MHz Ant1



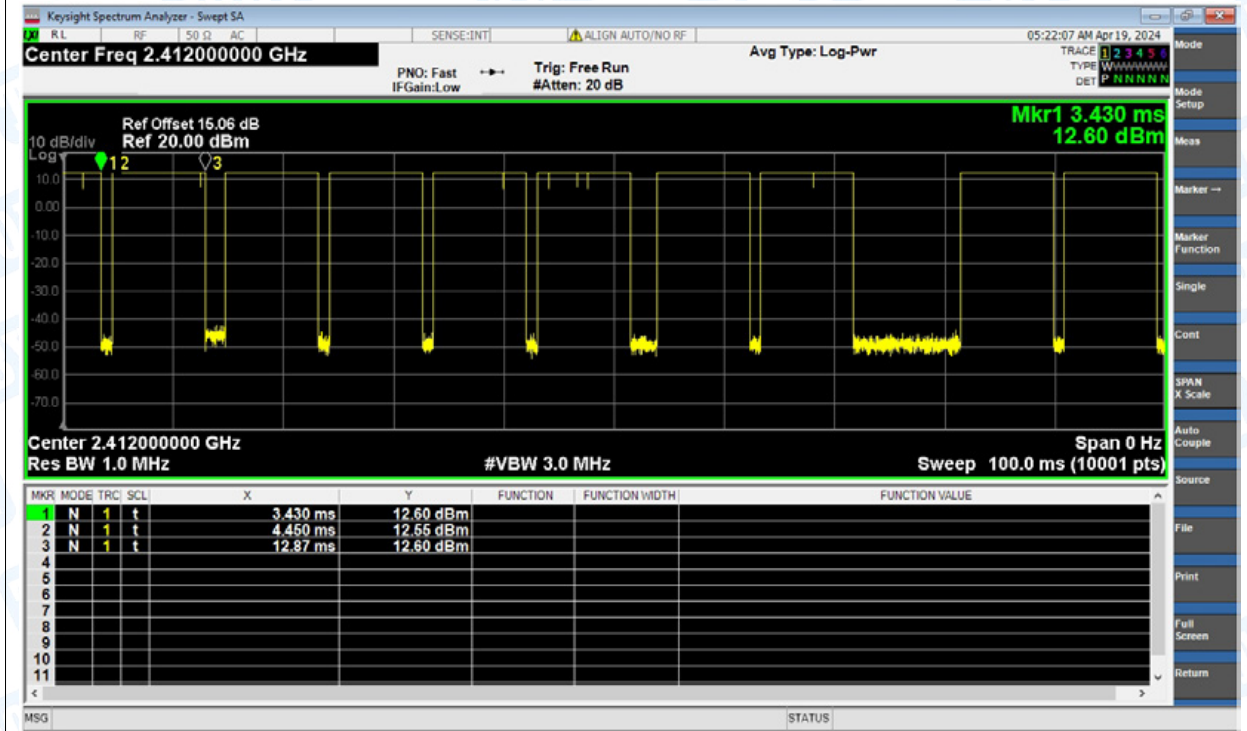
Duty Cycle NVNT ax(VHT40) 2437MHz Ant1



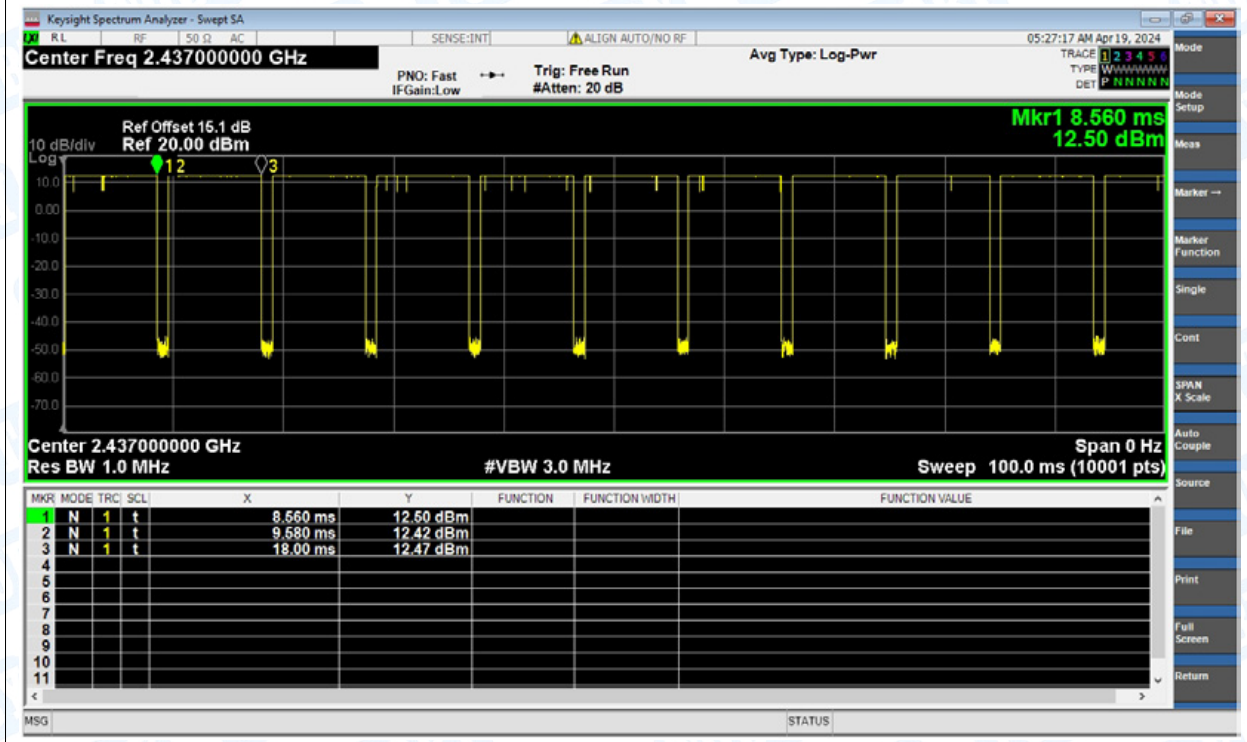
Duty Cycle NVNT ax(VHT40) 2452MHz Ant1



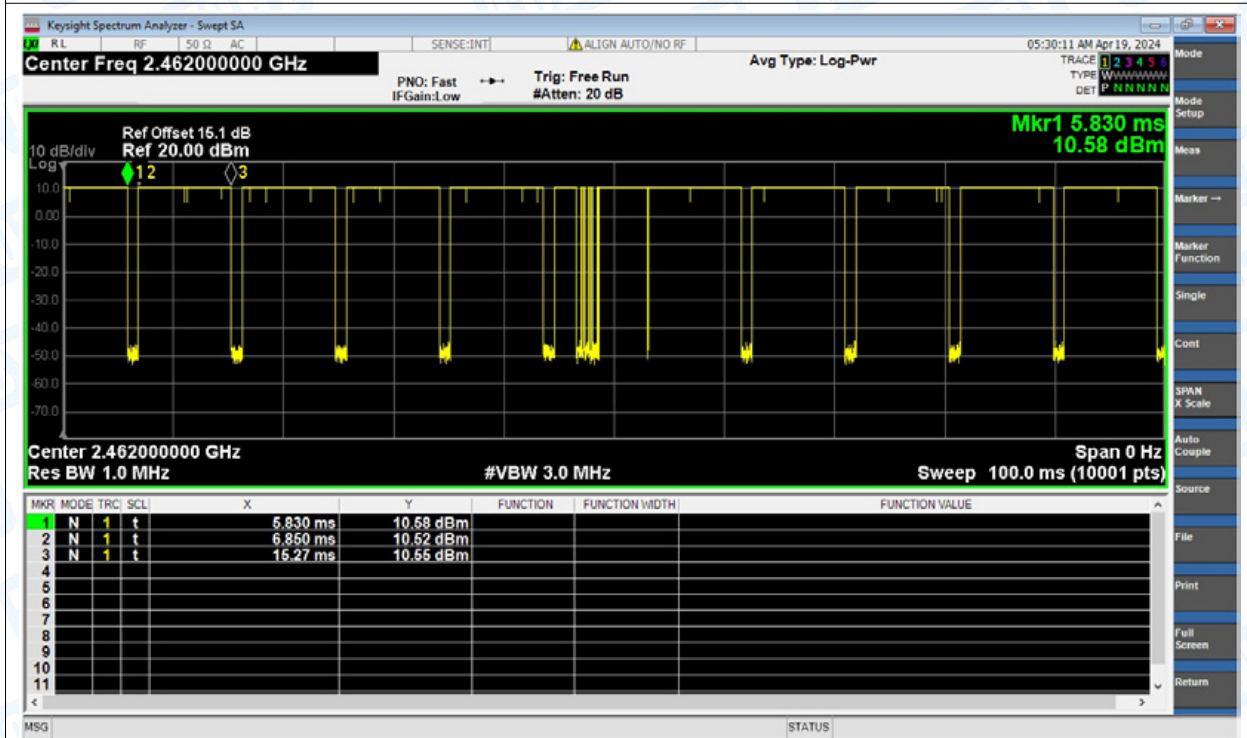
Duty Cycle NVNT b 2412MHz Ant1



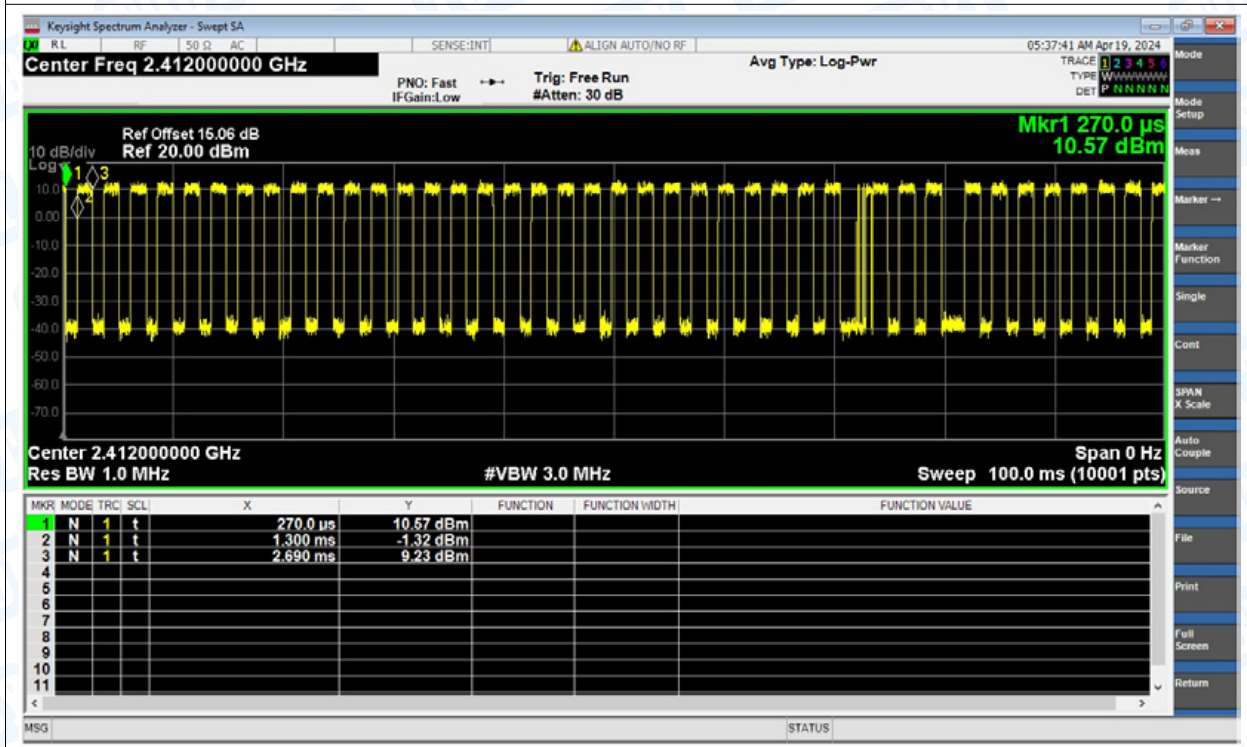
Duty Cycle NVNT b 2437MHz Ant1



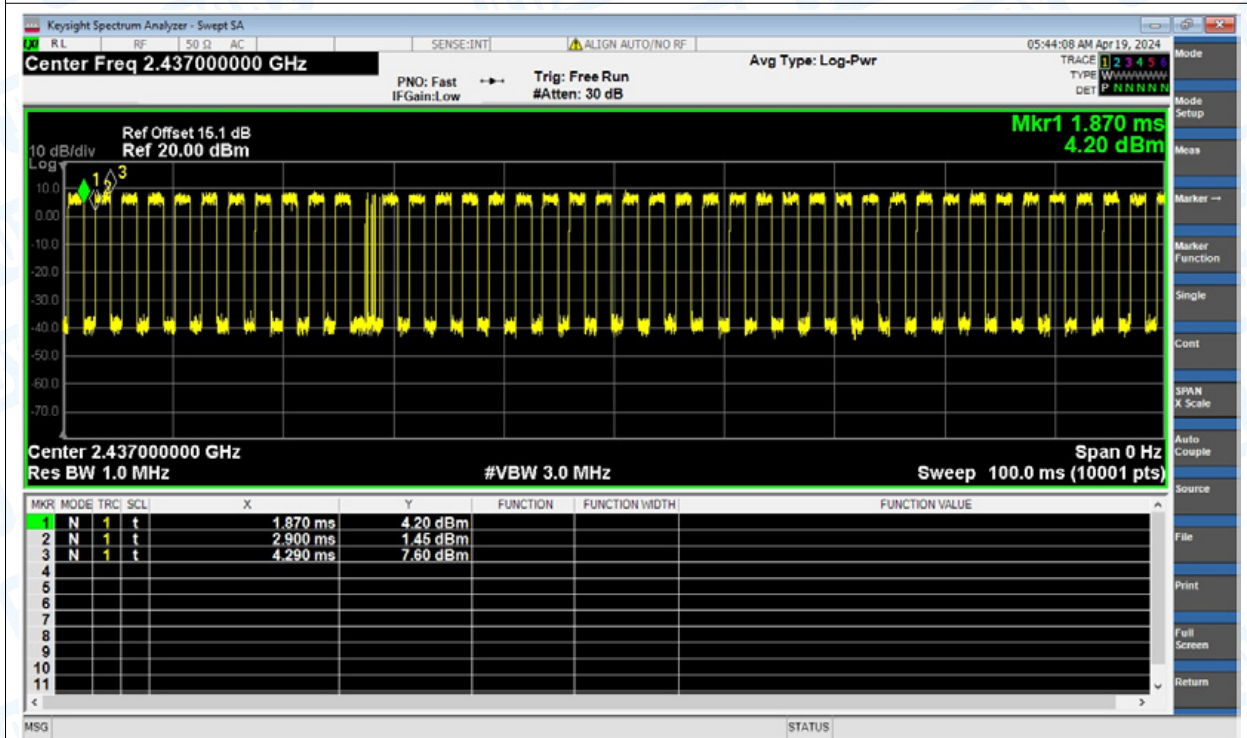
Duty Cycle NVNT b 2462MHz Ant1



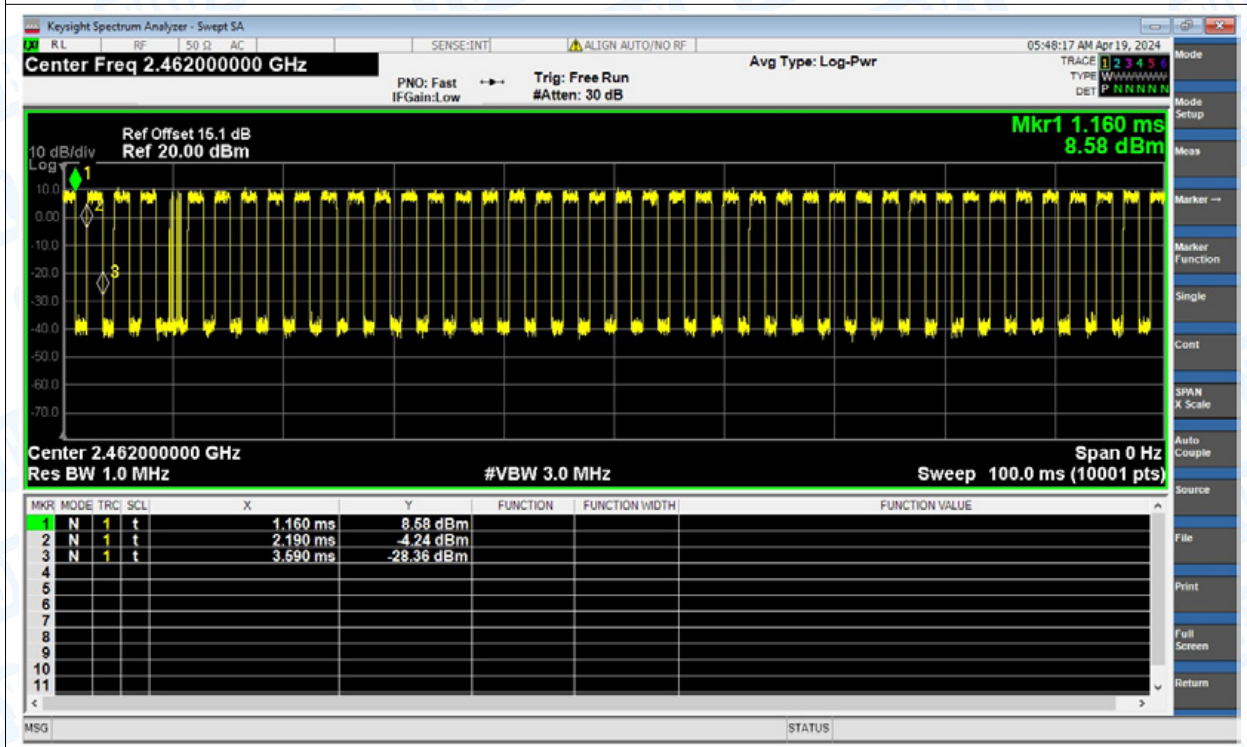
Duty Cycle NVNT g 2412MHz Ant1



Duty Cycle NVNT g 2437MHz Ant1

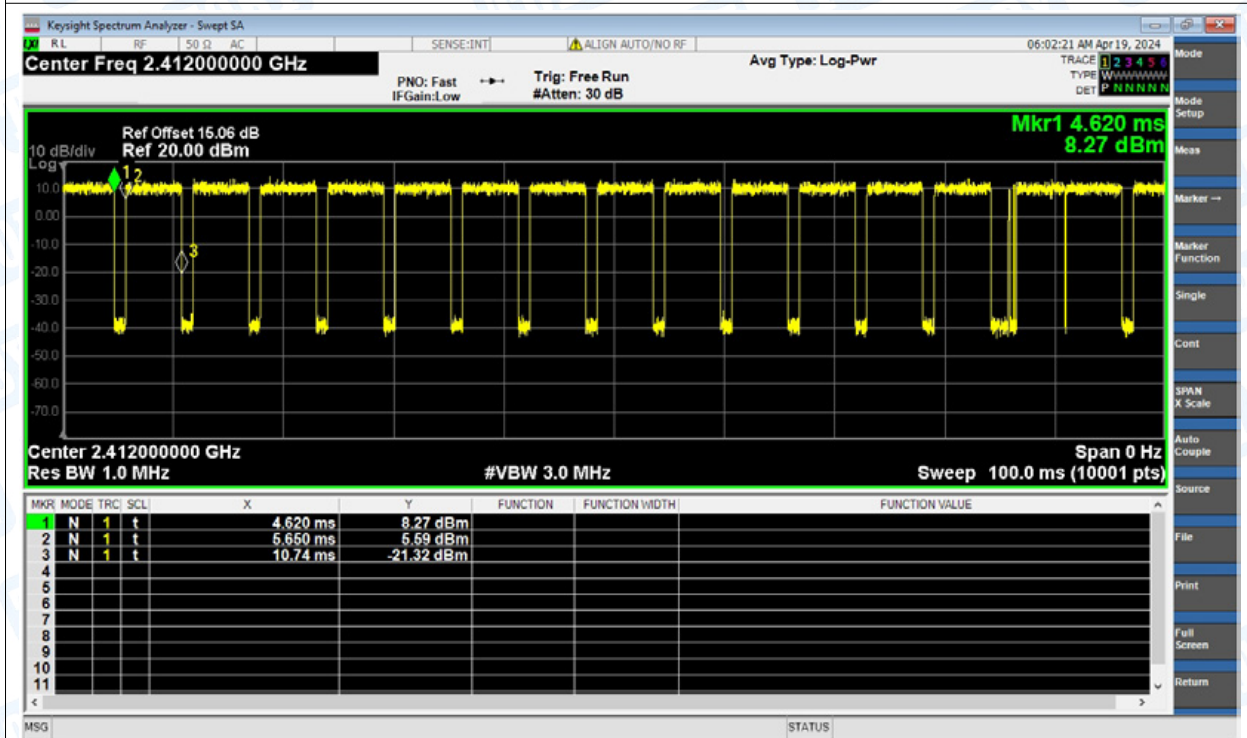


Duty Cycle NVNT g 2462MHz Ant1

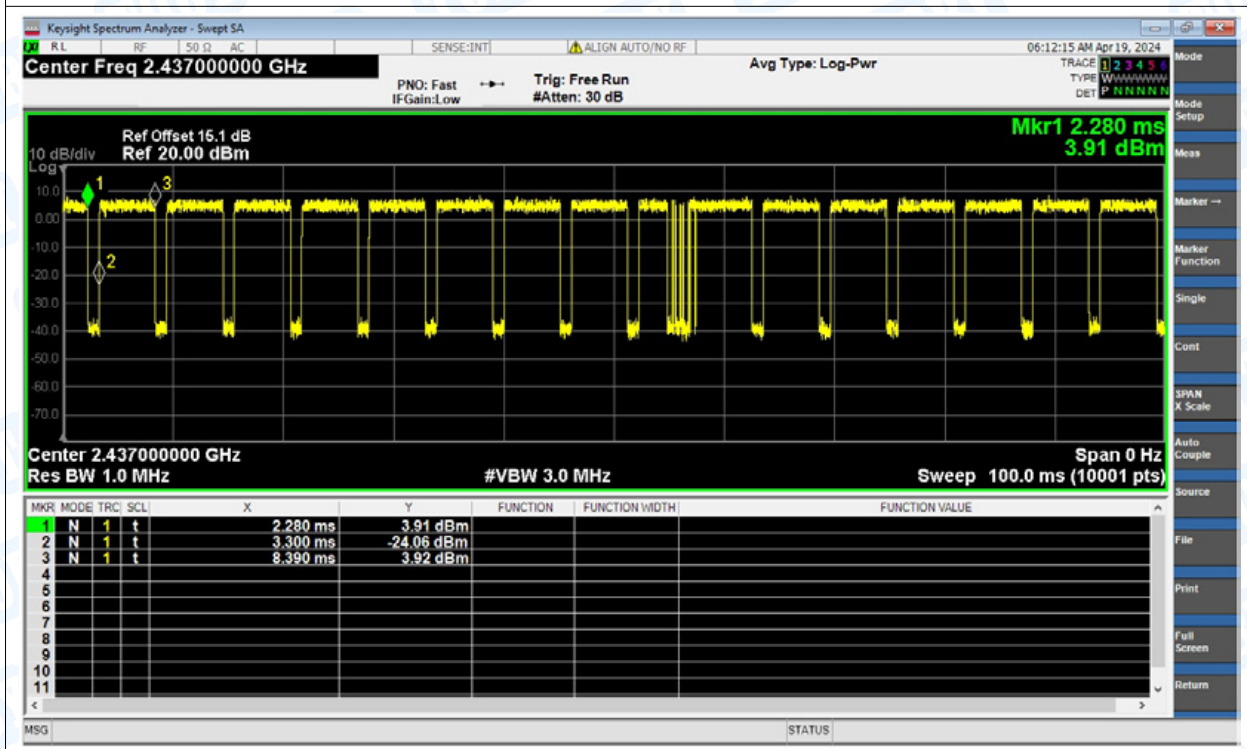




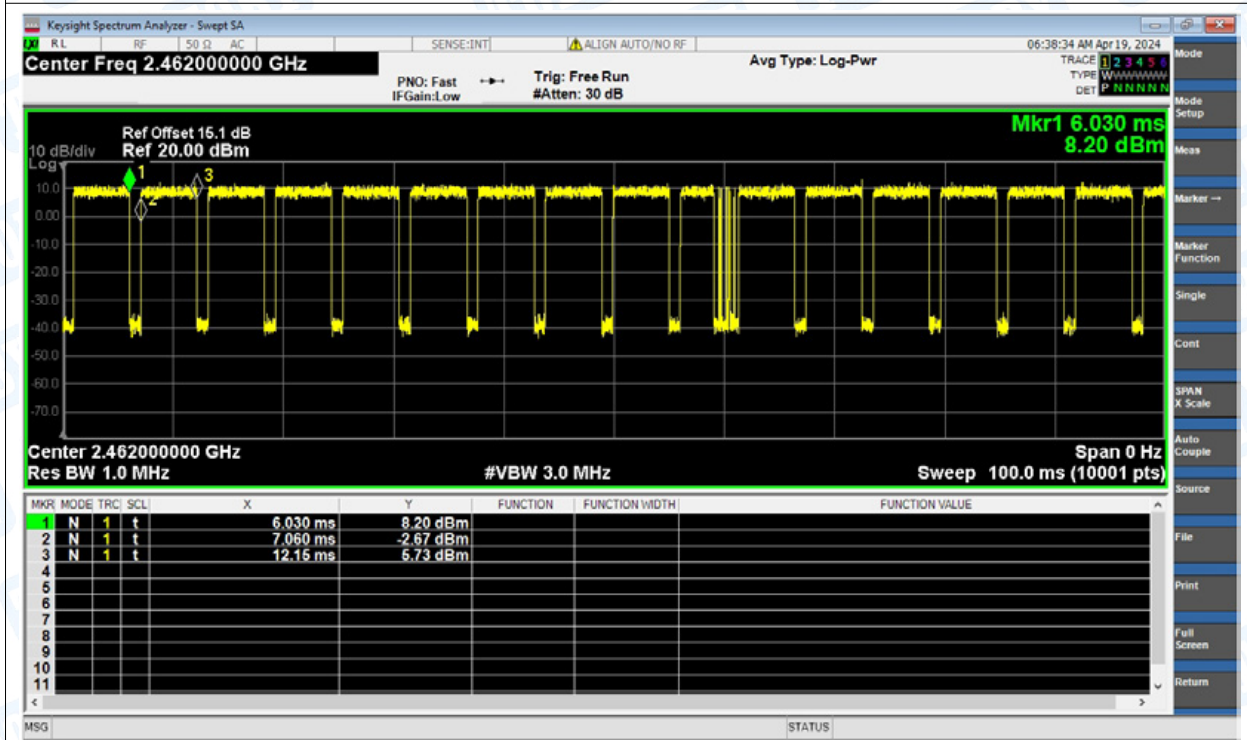
Duty Cycle NVNT n(HT20) 2412MHz Ant1



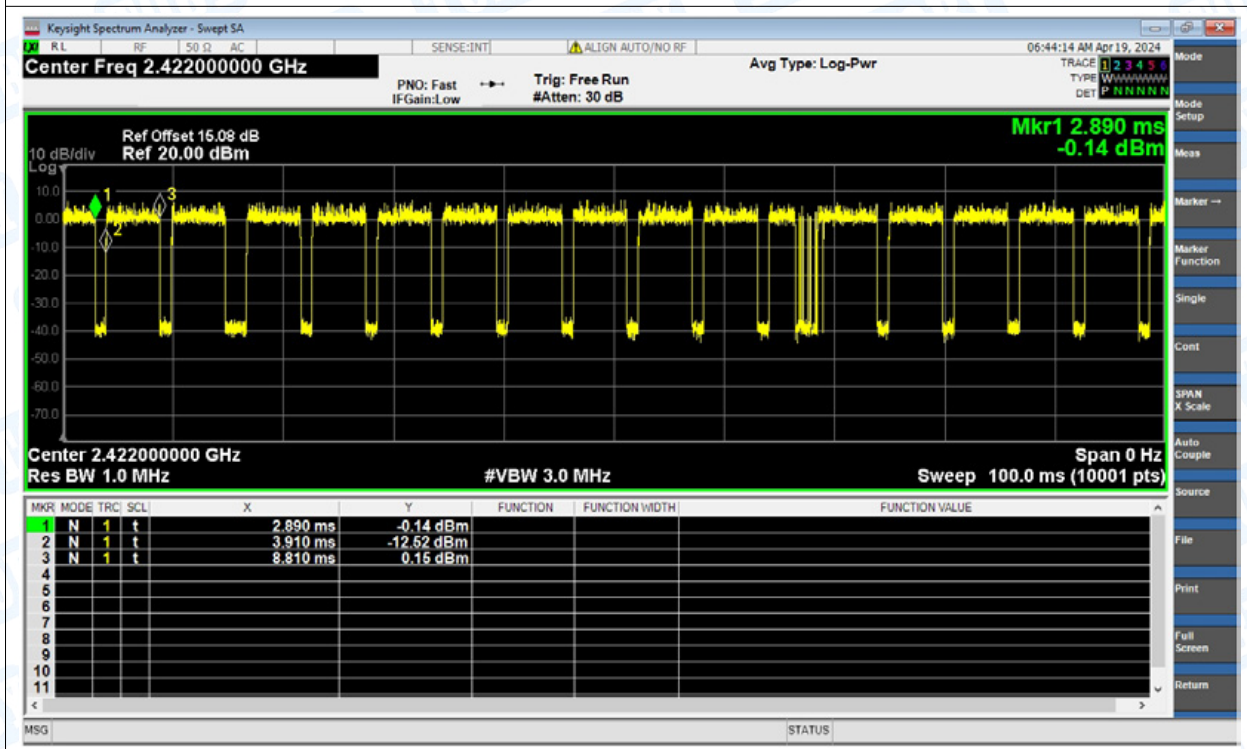
Duty Cycle NVNT n(HT20) 2437MHz Ant1



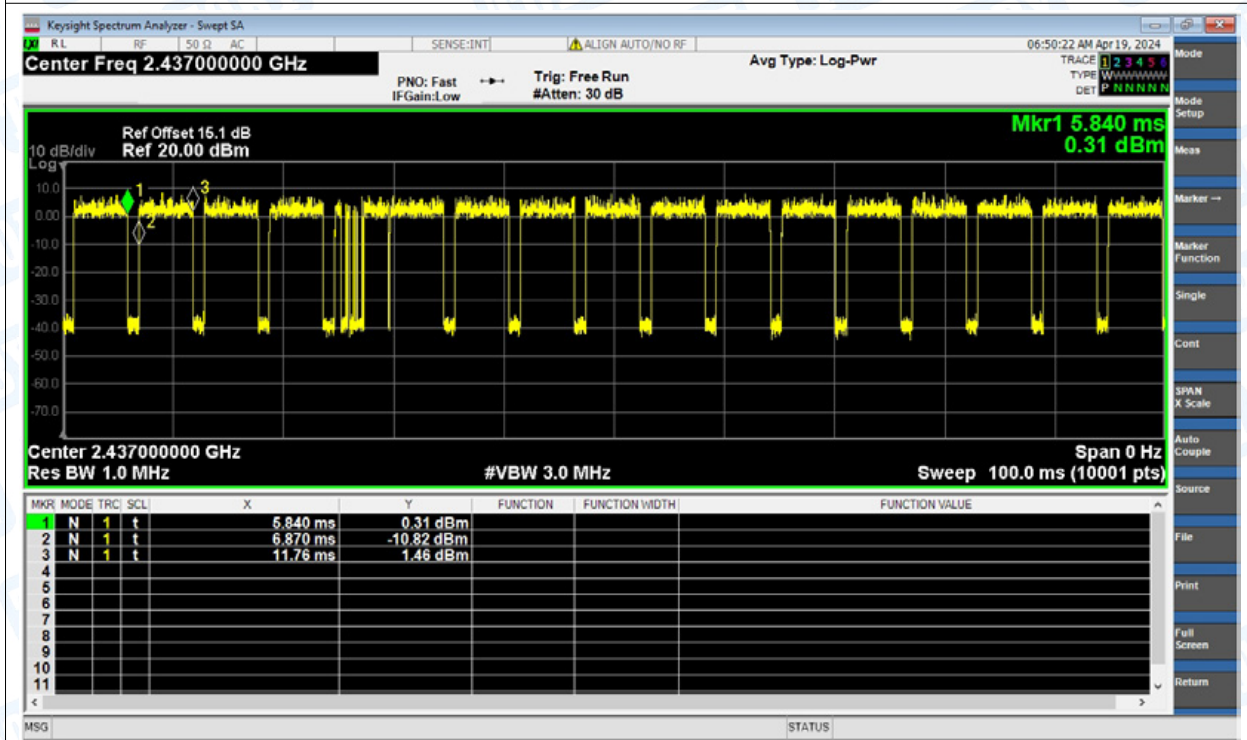
Duty Cycle NVNT n(HT20) 2462MHz Ant1



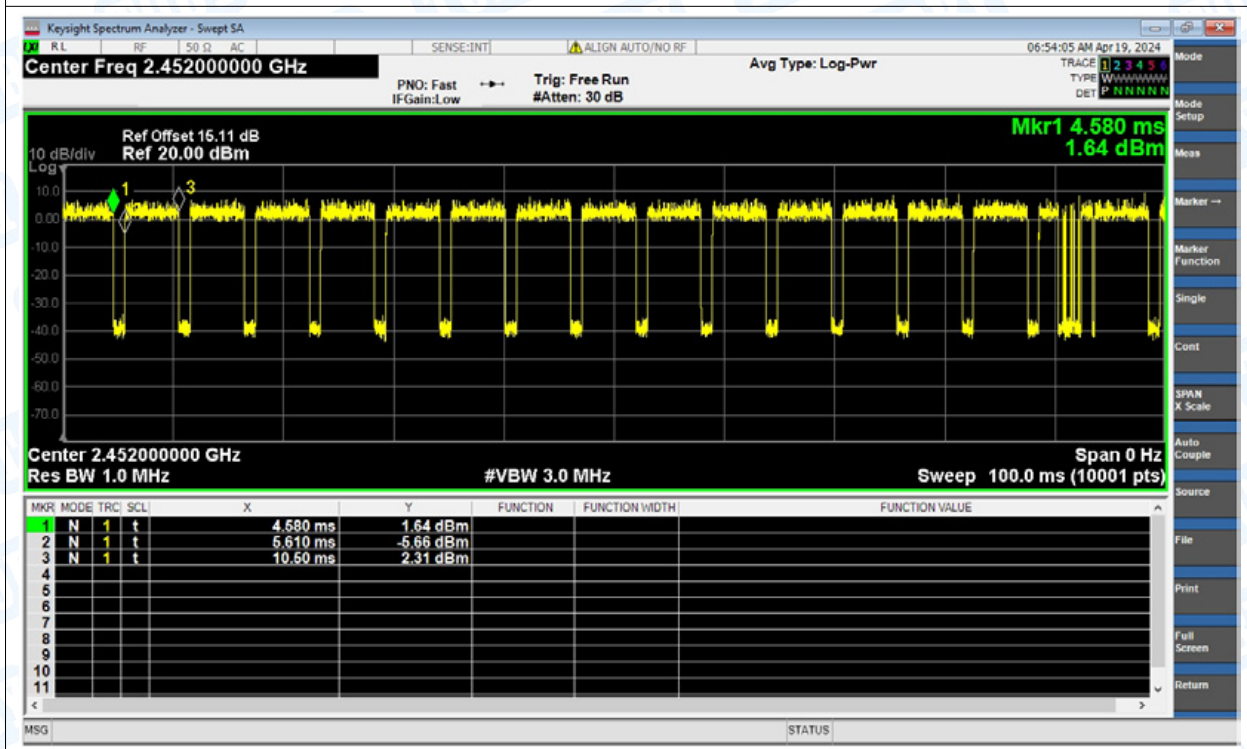
Duty Cycle NVNT n(HT40) 2422MHz Ant1



Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1



## 2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ax(VHT20)	2412	Ant1	15.88	30	Pass
NVNT	ax(VHT20)	2437	Ant1	15.17	30	Pass
NVNT	ax(VHT20)	2462	Ant1	15.41	30	Pass
NVNT	ax(VHT40)	2422	Ant1	15.57	30	Pass
NVNT	ax(VHT40)	2437	Ant1	15.12	30	Pass
NVNT	ax(VHT40)	2452	Ant1	15.64	30	Pass
NVNT	b	2412	Ant1	17.00	30	Pass
NVNT	b	2437	Ant1	16.72	30	Pass
NVNT	b	2462	Ant1	16.59	30	Pass
NVNT	g	2412	Ant1	13.96	30	Pass
NVNT	g	2437	Ant1	13.98	30	Pass
NVNT	g	2462	Ant1	14.08	30	Pass
NVNT	n(HT20)	2412	Ant1	16.06	30	Pass
NVNT	n(HT20)	2437	Ant1	15.33	30	Pass
NVNT	n(HT20)	2462	Ant1	15.55	30	Pass
NVNT	n(HT40)	2422	Ant1	15.64	30	Pass
NVNT	n(HT40)	2437	Ant1	15.18	30	Pass
NVNT	n(HT40)	2452	Ant1	15.73	30	Pass

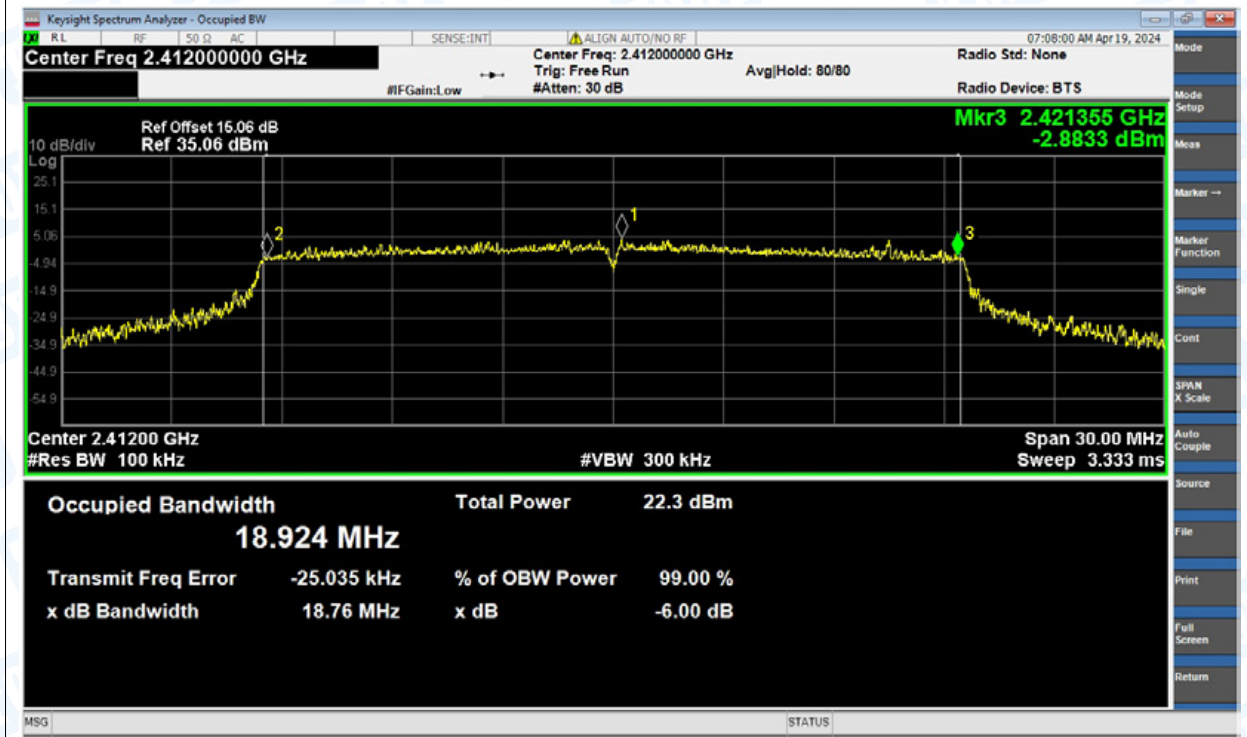
Note: The Duty Cycle Factor is compensated in the data.

### 3. -6dB Bandwidth

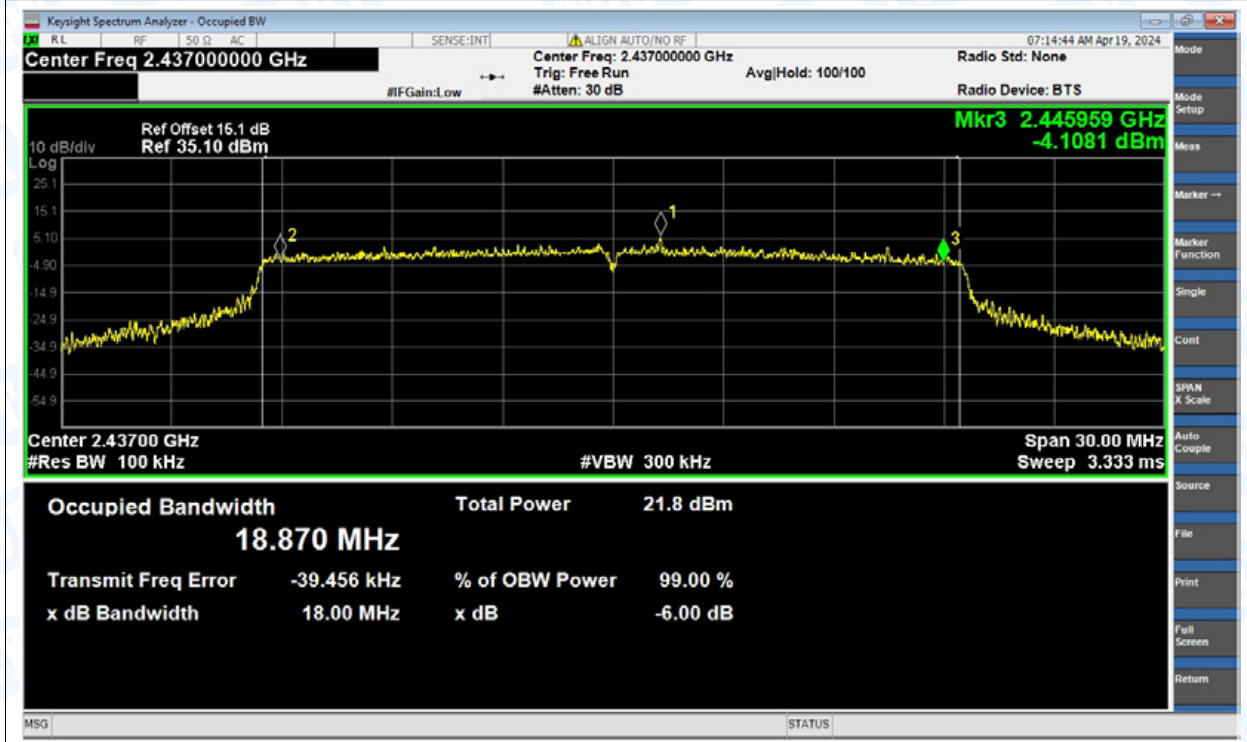
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	ax(VHT20)	2412	Ant1	18.76	0.5	Pass
NVNT	ax(VHT20)	2437	Ant1	18.00	0.5	Pass
NVNT	ax(VHT20)	2462	Ant1	15.41	0.5	Pass
NVNT	ax(VHT40)	2422	Ant1	34.40	0.5	Pass
NVNT	ax(VHT40)	2437	Ant1	31.27	0.5	Pass
NVNT	ax(VHT40)	2452	Ant1	36.79	0.5	Pass
NVNT	b	2412	Ant1	6.96	0.5	Pass
NVNT	b	2437	Ant1	8.07	0.5	Pass
NVNT	b	2462	Ant1	7.57	0.5	Pass
NVNT	g	2412	Ant1	15.41	0.5	Pass
NVNT	g	2437	Ant1	15.42	0.5	Pass
NVNT	g	2462	Ant1	15.71	0.5	Pass
NVNT	n(HT20)	2412	Ant1	15.64	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.18	0.5	Pass
NVNT	n(HT20)	2462	Ant1	15.67	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.37	0.5	Pass
NVNT	n(HT40)	2437	Ant1	30.98	0.5	Pass
NVNT	n(HT40)	2452	Ant1	34.69	0.5	Pass

Test Graphs

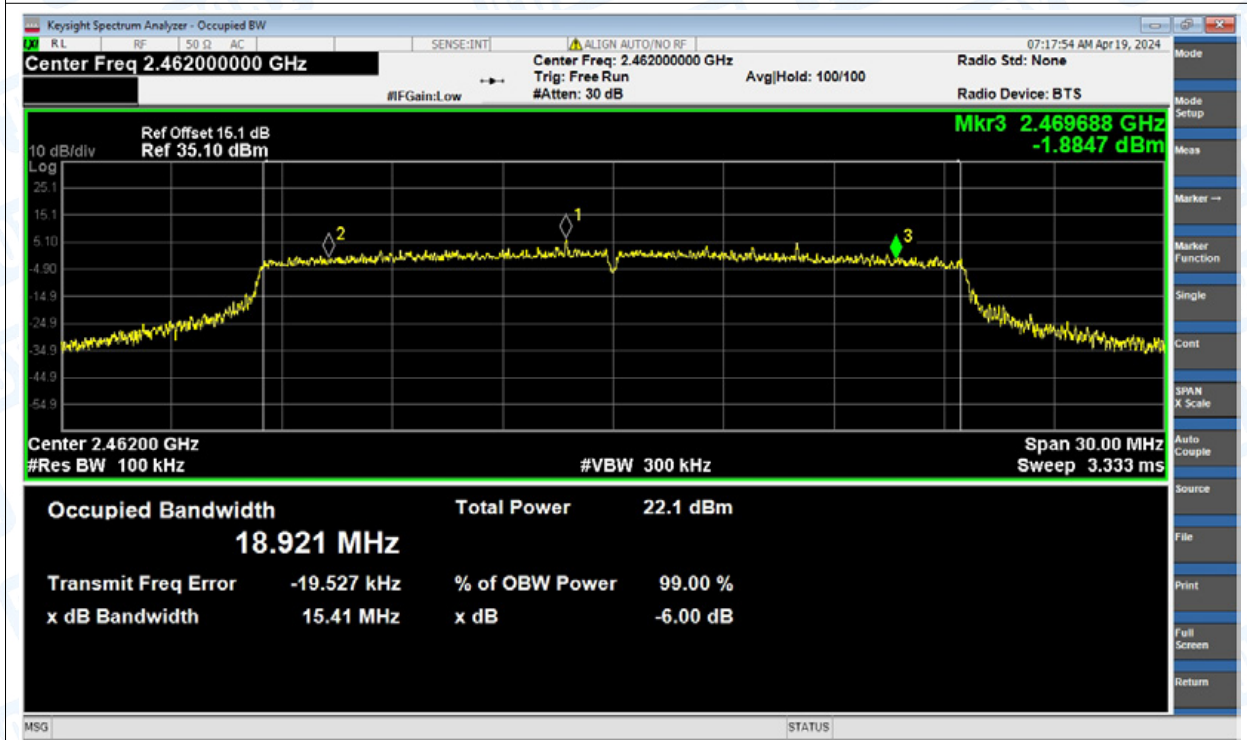
-6dB Bandwidth NVNT ax(VHT20) 2412MHz Ant1



-6dB Bandwidth NVNT ax(VHT20) 2437MHz Ant1



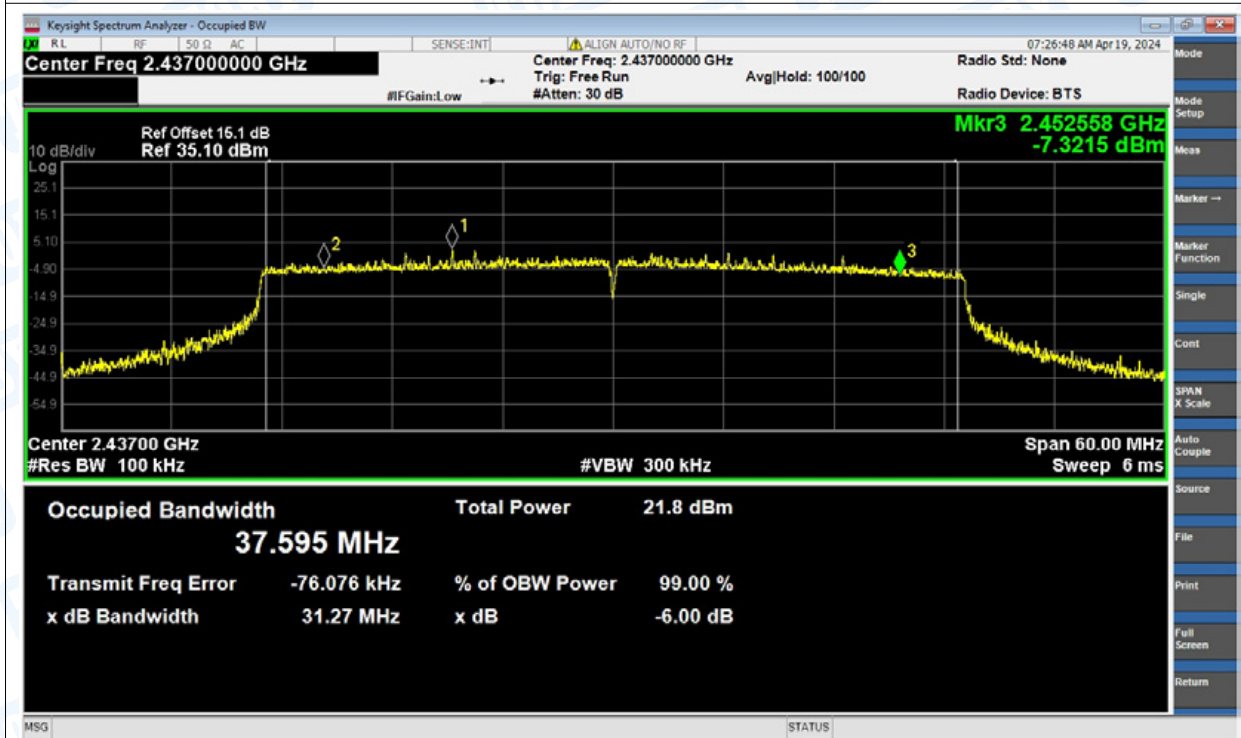
-6dB Bandwidth NVNT ax(VHT20) 2462MHz Ant1



-6dB Bandwidth NVNT ax(VHT40) 2422MHz Ant1



-6dB Bandwidth NVNT ax(VHT40) 2437MHz Ant1



-6dB Bandwidth NVNT ax(VHT40) 2452MHz Ant1

