

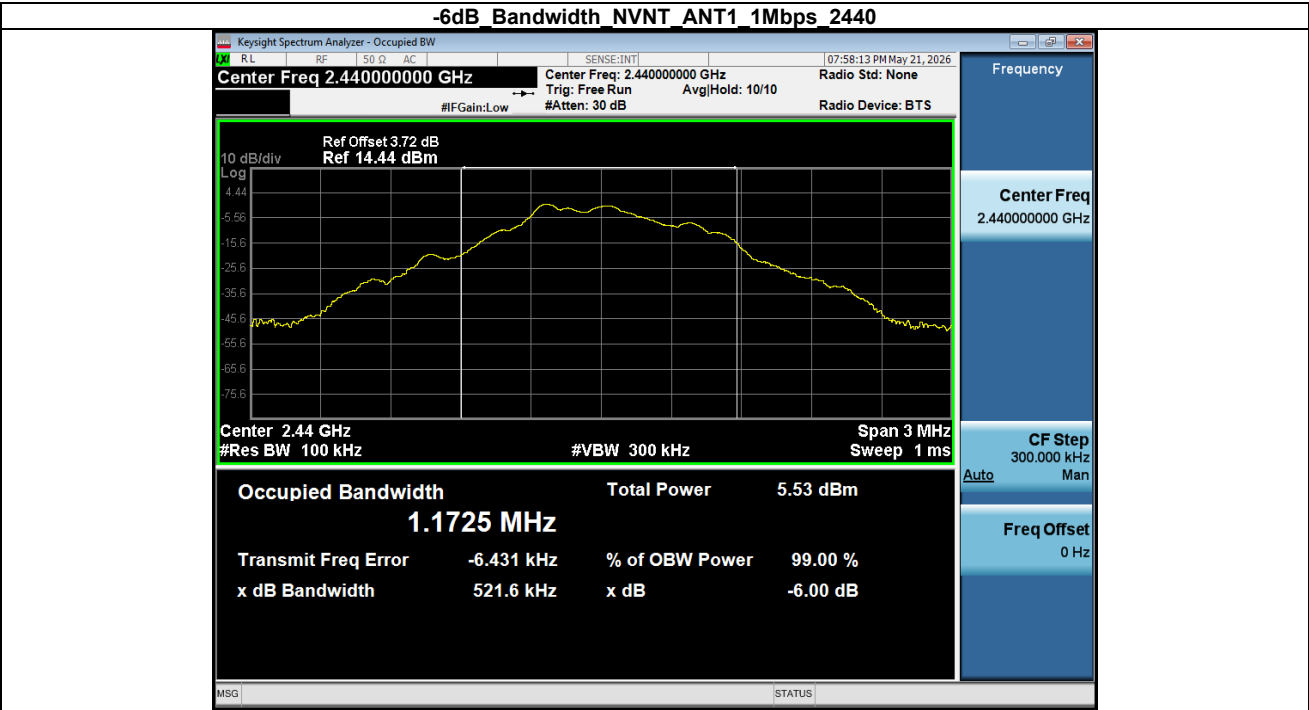
FCC ID BLE
FCC_BLE (Part15.247) Test Data
Report No.:SZNTT26015332E1-1
FCC ID:2BV8I-M15

Table of Contents

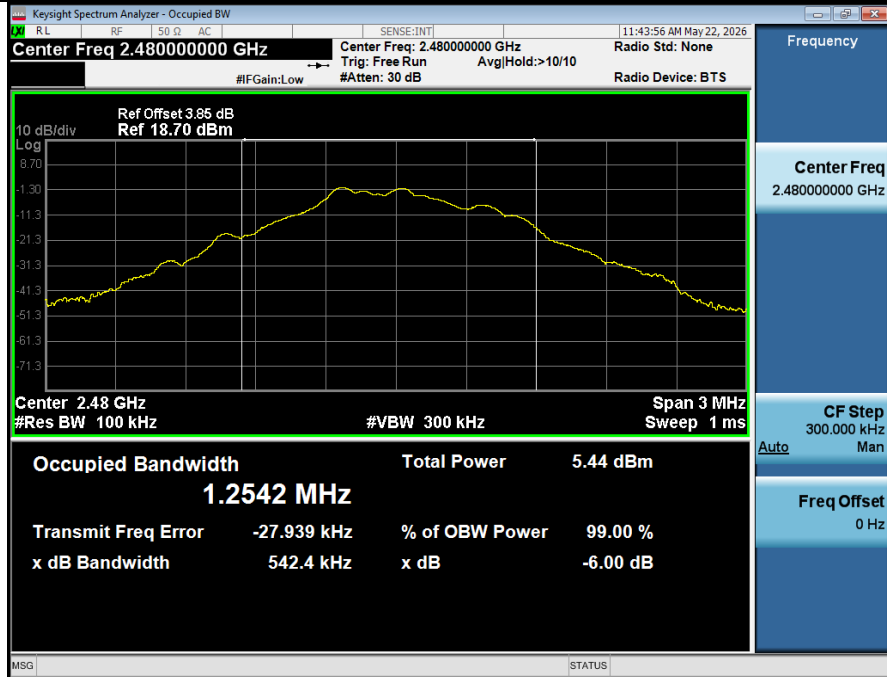
1. -6dB Bandwidth	2
2. 99% Occupied Bandwidth	5
3. Duty Cycle.....	8
4. Peak Output Power.....	11
5. Power Spectral Density.....	14
6. Bandedge.....	17
7. Spurious Emission.....	21

1. -6dB Bandwidth

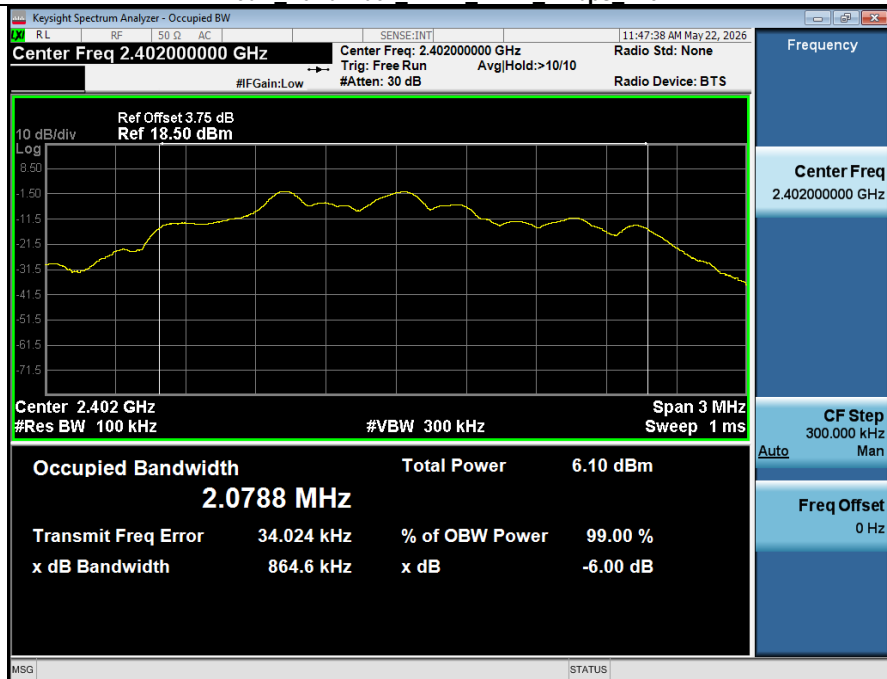
Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	503.87	500	Pass
NVNT	ANT1	1Mbps	2440.00	521.64	500	Pass
NVNT	ANT1	1Mbps	2480.00	542.40	500	Pass
NVNT	ANT1	2Mbps	2402.00	864.65	500	Pass
NVNT	ANT1	2Mbps	2440.00	846.62	500	Pass
NVNT	ANT1	2Mbps	2480.00	837.92	500	Pass



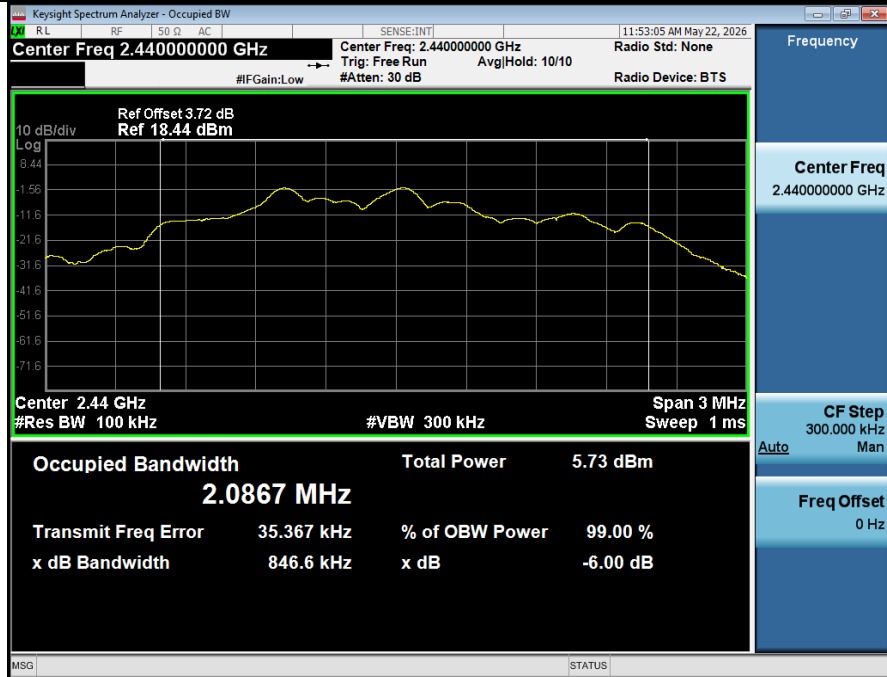
-6dB Bandwidth NVNT ANT1 1Mbps 2480



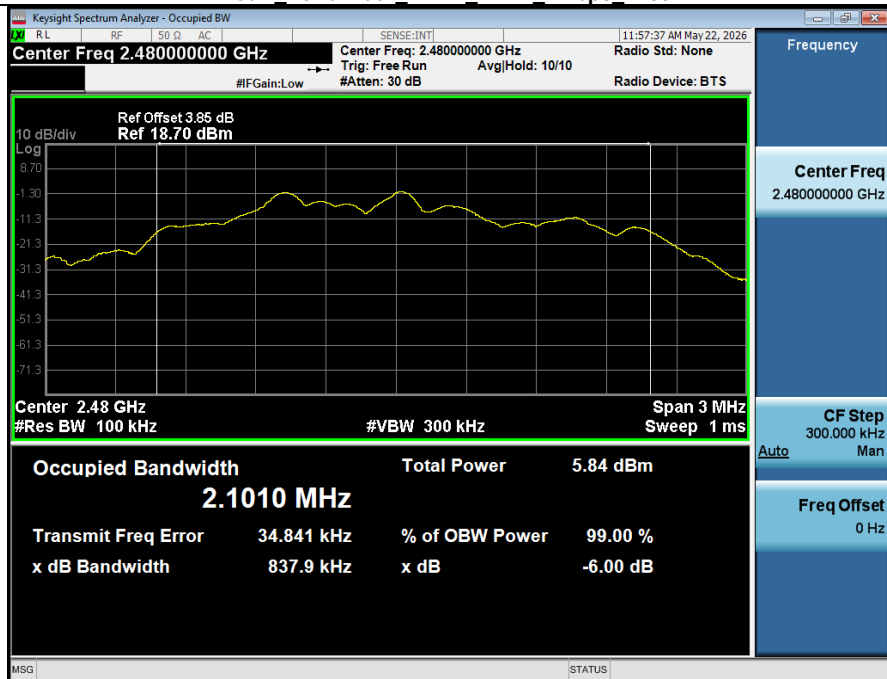
-6dB Bandwidth NVNT ANT1 2Mbps 2402



-6dB Bandwidth NVNT ANT1 2Mbps 2440



-6dB Bandwidth NVNT ANT1 2Mbps 2480



2. 99% Occupied Bandwidth

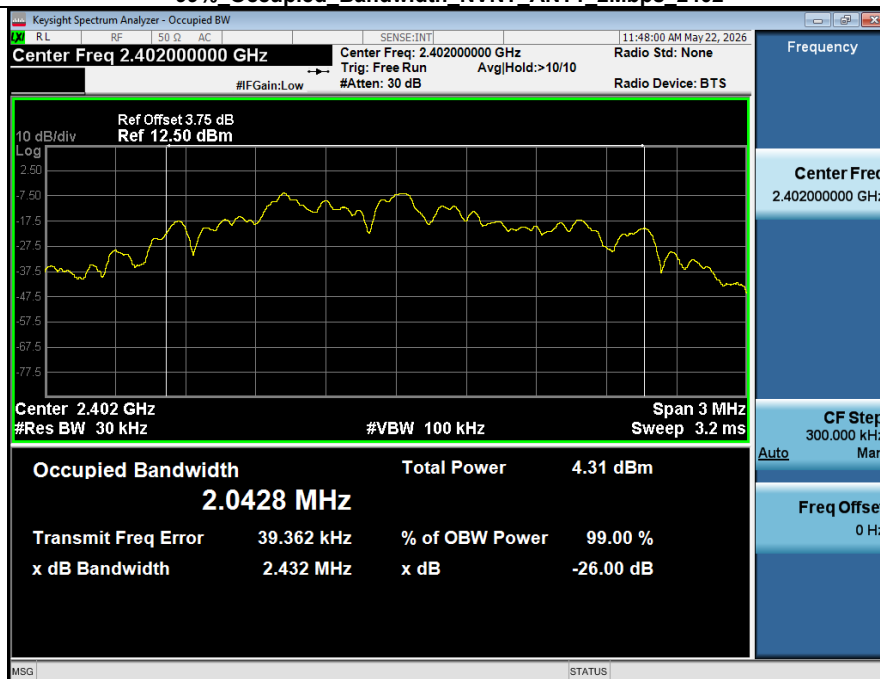
Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.123
NVNT	ANT1	1Mbps	2440.00	1.164
NVNT	ANT1	1Mbps	2480.00	1.220
NVNT	ANT1	2Mbps	2402.00	2.043
NVNT	ANT1	2Mbps	2440.00	2.062
NVNT	ANT1	2Mbps	2480.00	2.084



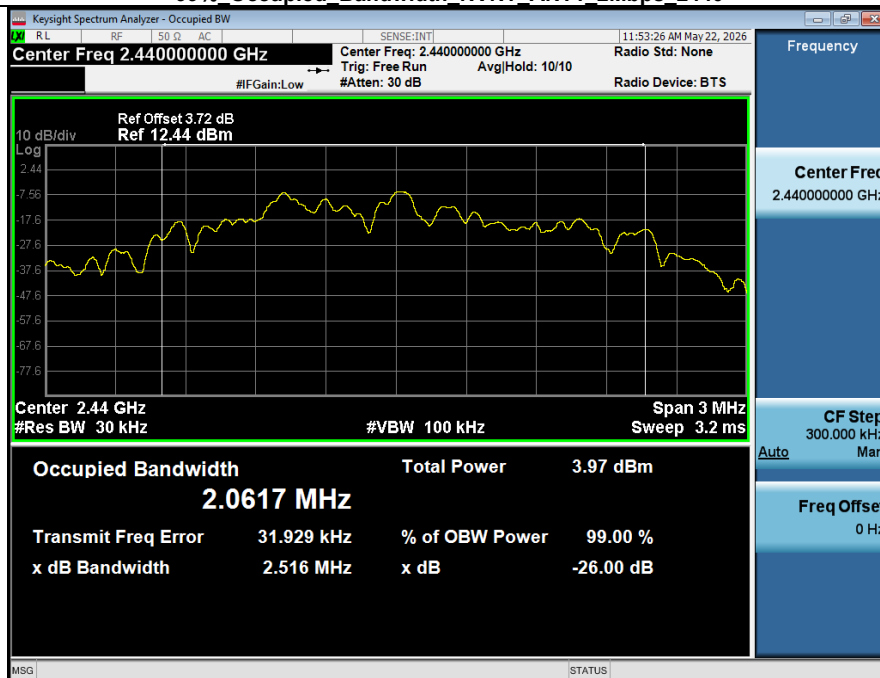
99% Occupied Bandwidth NVNT ANT1 1Mbps 2480



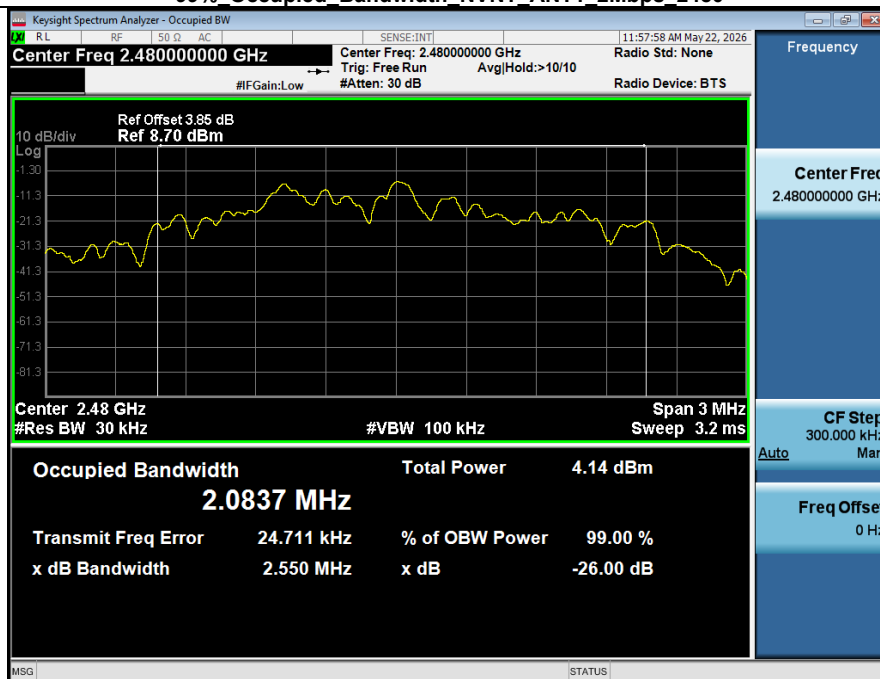
99% Occupied Bandwidth NVNT ANT1 2Mbps 2402



99% Occupied Bandwidth NVNT ANT1 2Mbps 2440

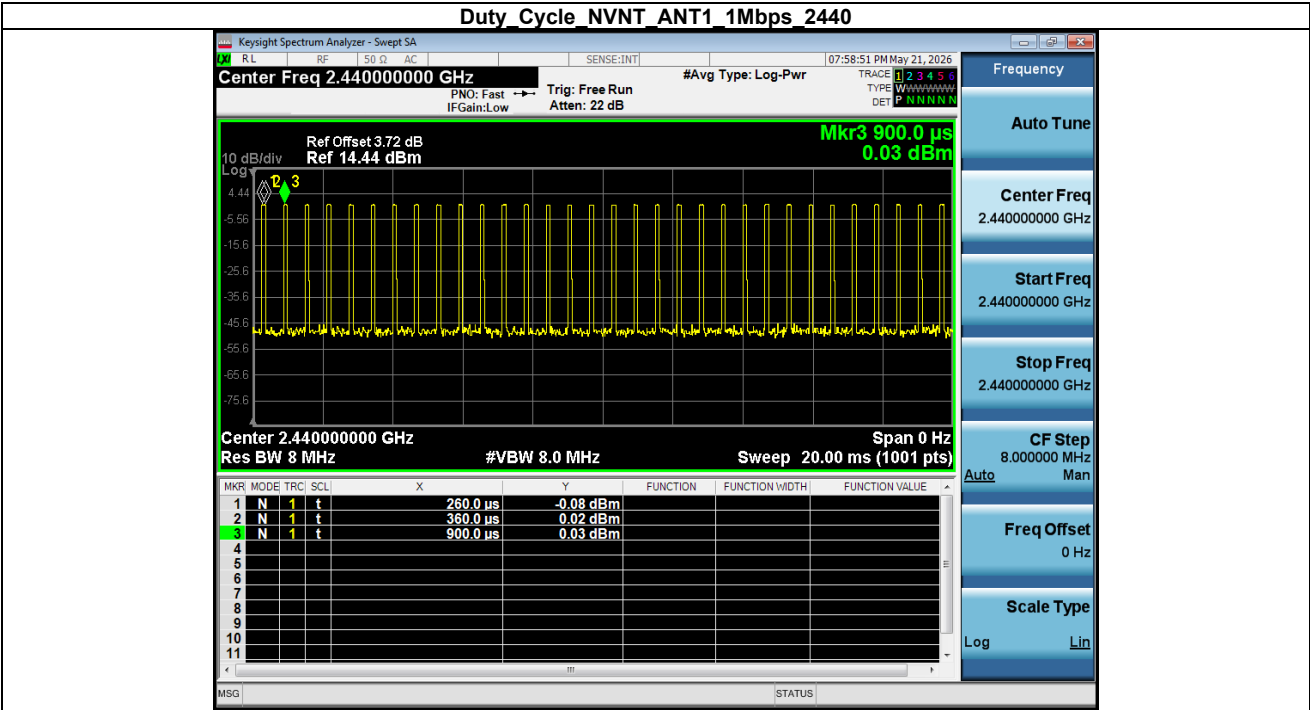
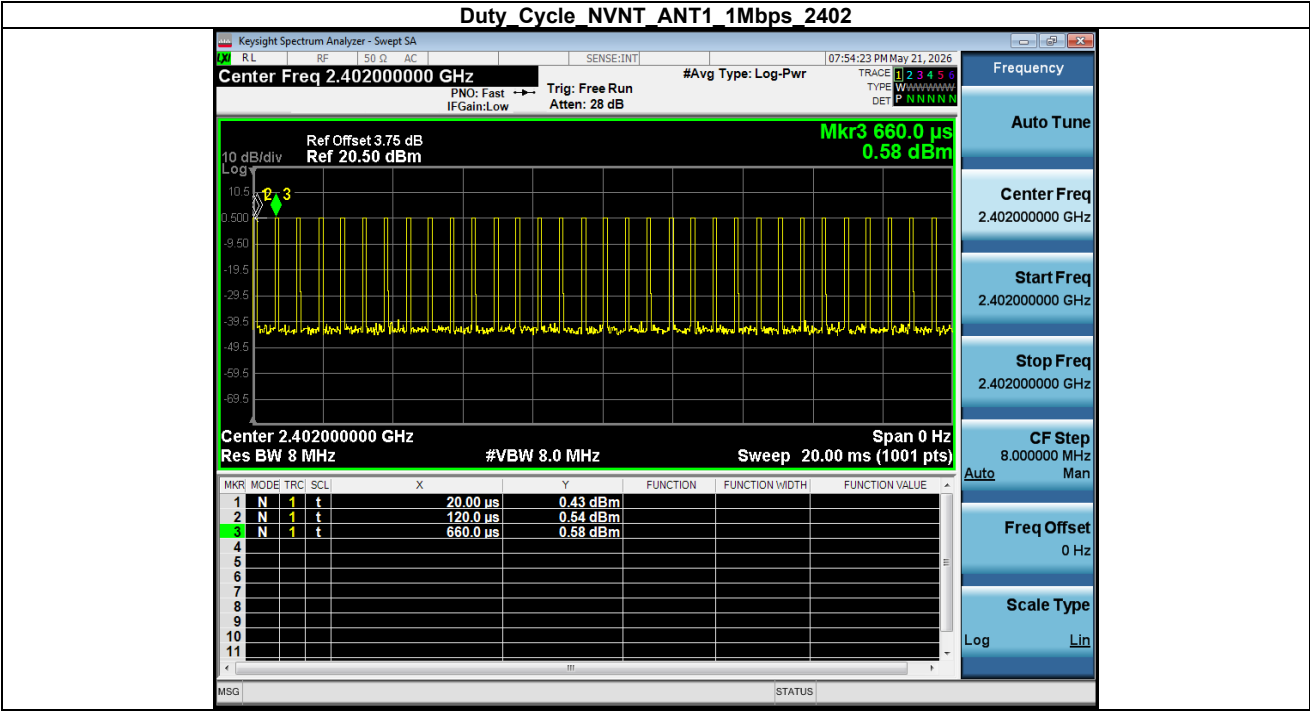


99% Occupied Bandwidth NVNT ANT1 2Mbps 2480

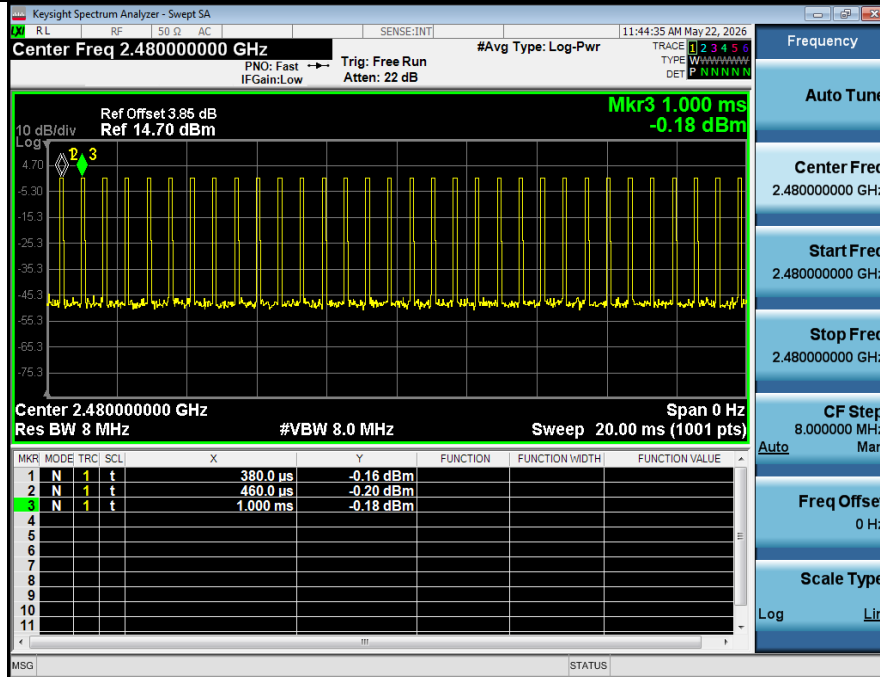


3. Duty Cycle

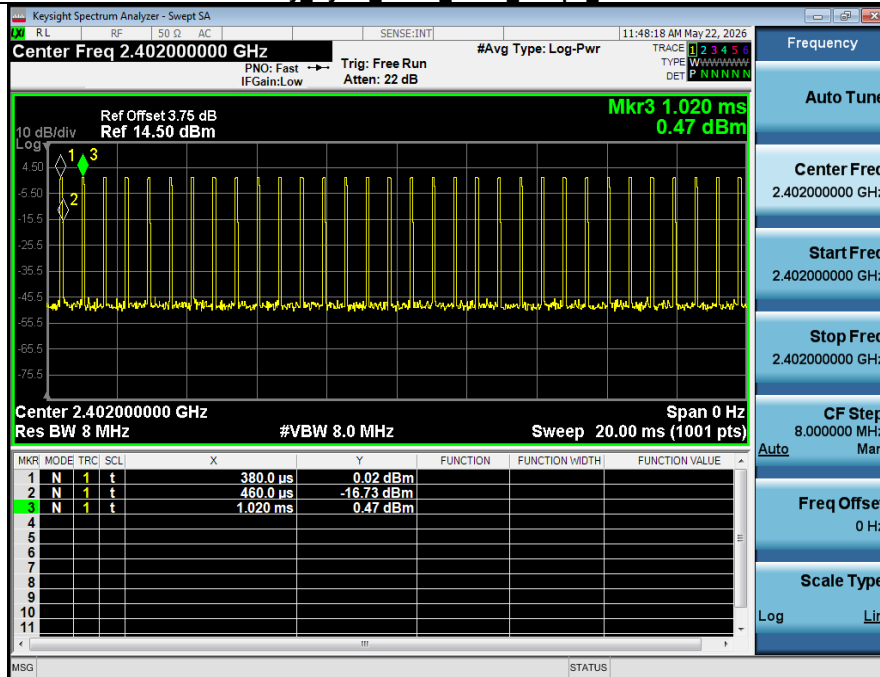
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	15.63	8.06
NVNT	ANT1	1Mbps	2440.00	15.63	8.06
NVNT	ANT1	1Mbps	2480.00	12.90	8.89
NVNT	ANT1	2Mbps	2402.00	12.50	9.03
NVNT	ANT1	2Mbps	2440.00	9.68	10.14
NVNT	ANT1	2Mbps	2480.00	9.68	10.14



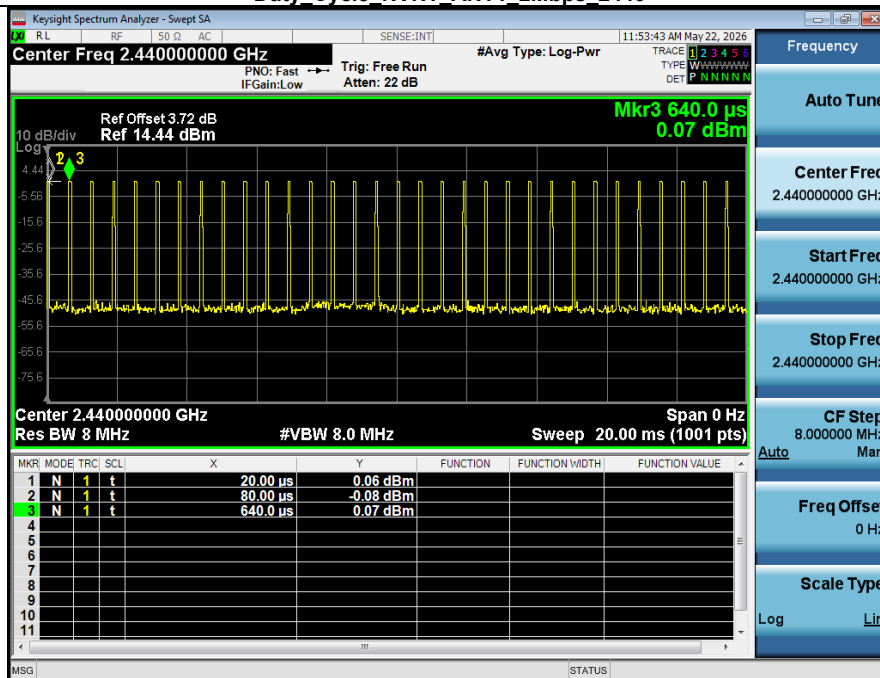
Duty Cycle NVNT_ANT1 1Mbps 2480



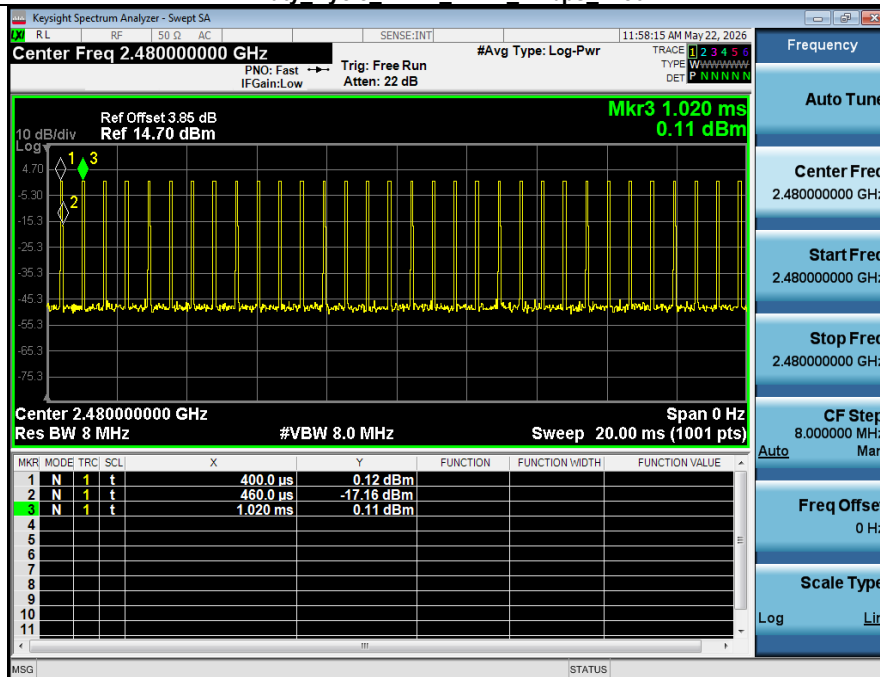
Duty Cycle NVNT_ANT1 2Mbps 2402



Duty Cycle NVNT_ANT1 2Mbps 2440

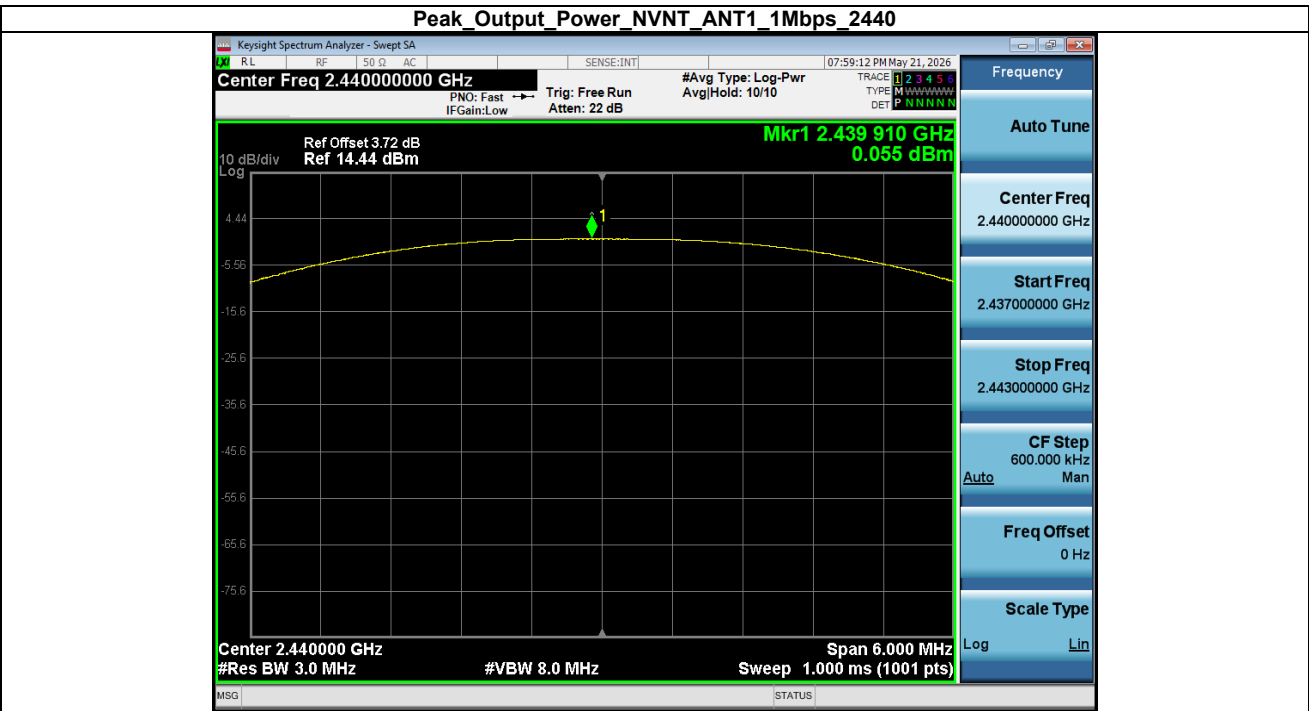
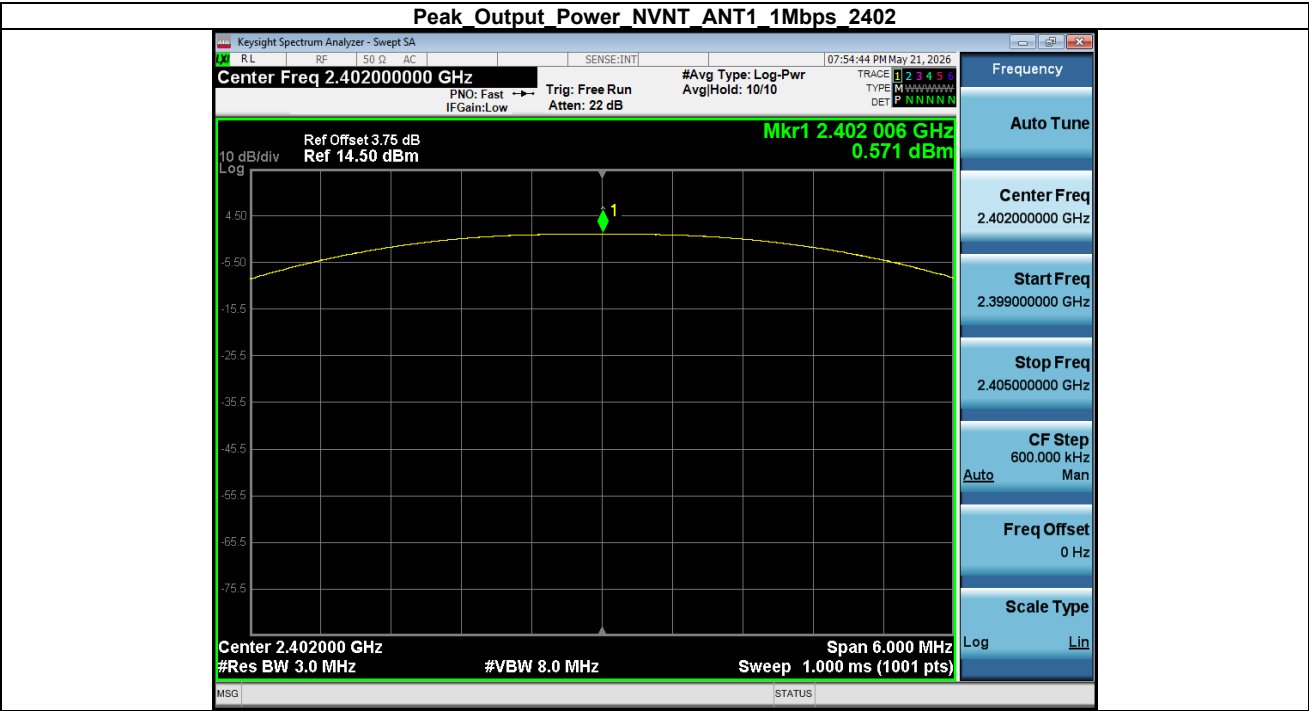


Duty Cycle NVNT_ANT1 2Mbps 2480

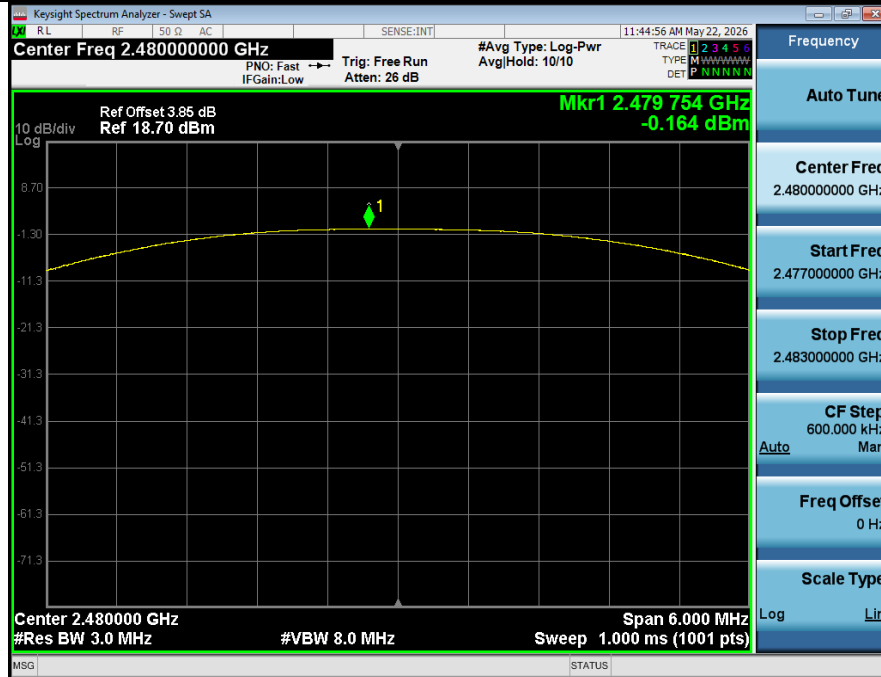


4. Peak Output Power

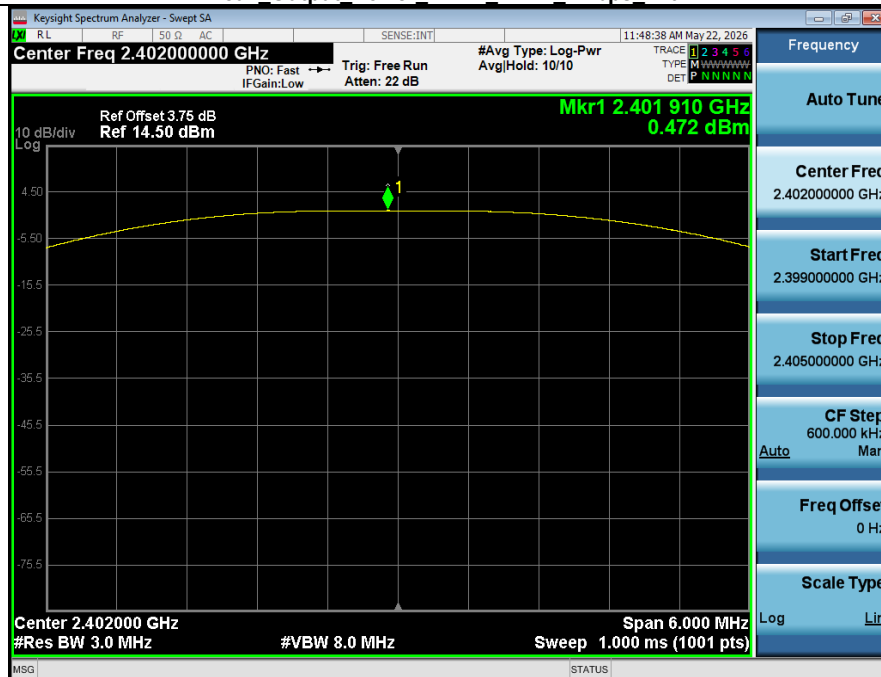
Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	0.57	1.14	1000	Pass
NVNT	ANT1	1Mbps	2440.00	0.06	1.01	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.16	0.96	1000	Pass
NVNT	ANT1	2Mbps	2402.00	0.47	1.11	1000	Pass
NVNT	ANT1	2Mbps	2440.00	0.07	1.02	1000	Pass
NVNT	ANT1	2Mbps	2480.00	0.11	1.03	1000	Pass



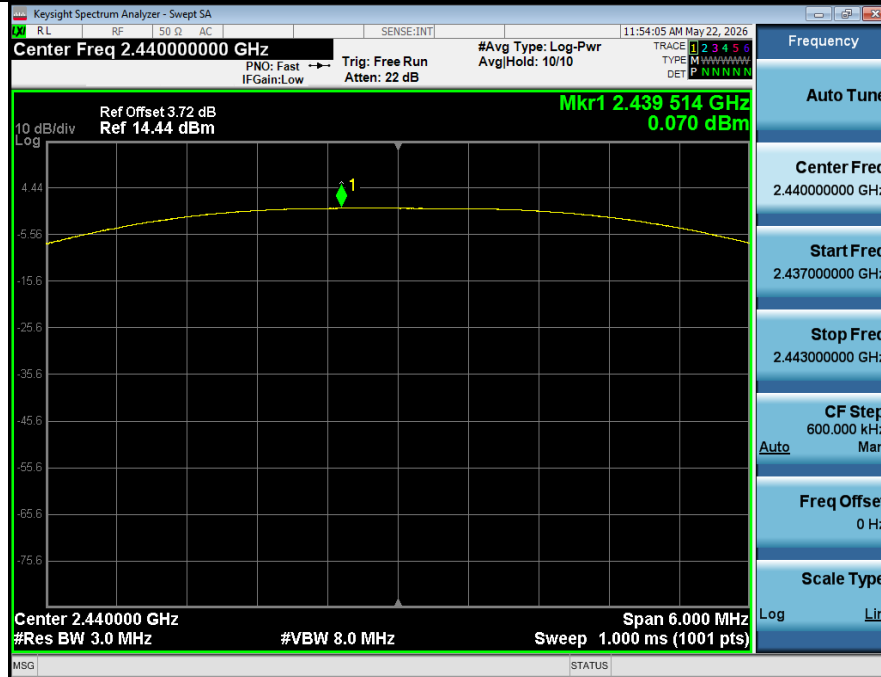
Peak Output Power NVNT ANT1 1Mbps 2480



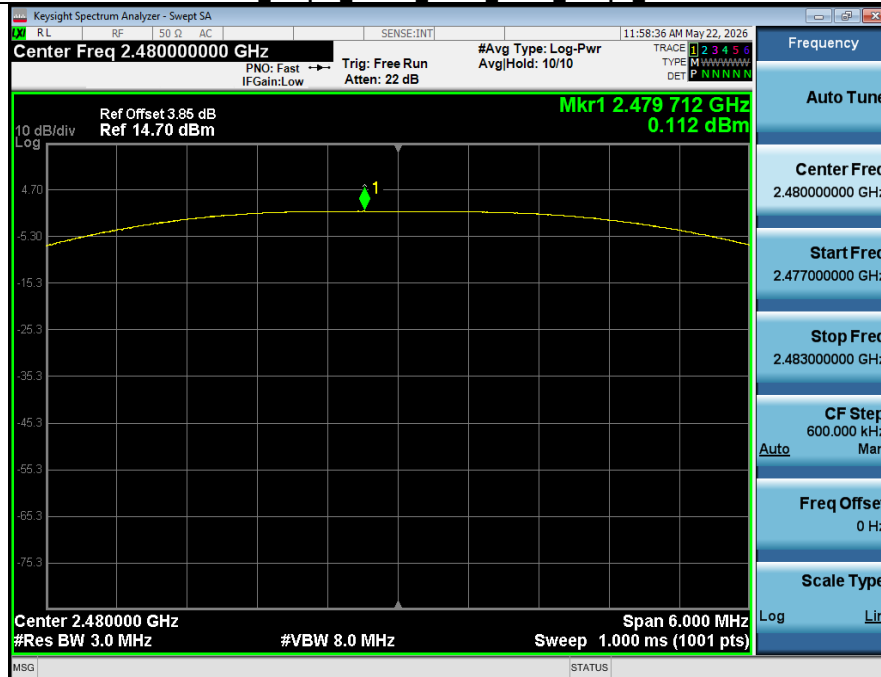
Peak Output Power NVNT ANT1 2Mbps 2402



Peak Output Power NVNT ANT1 2Mbps 2440

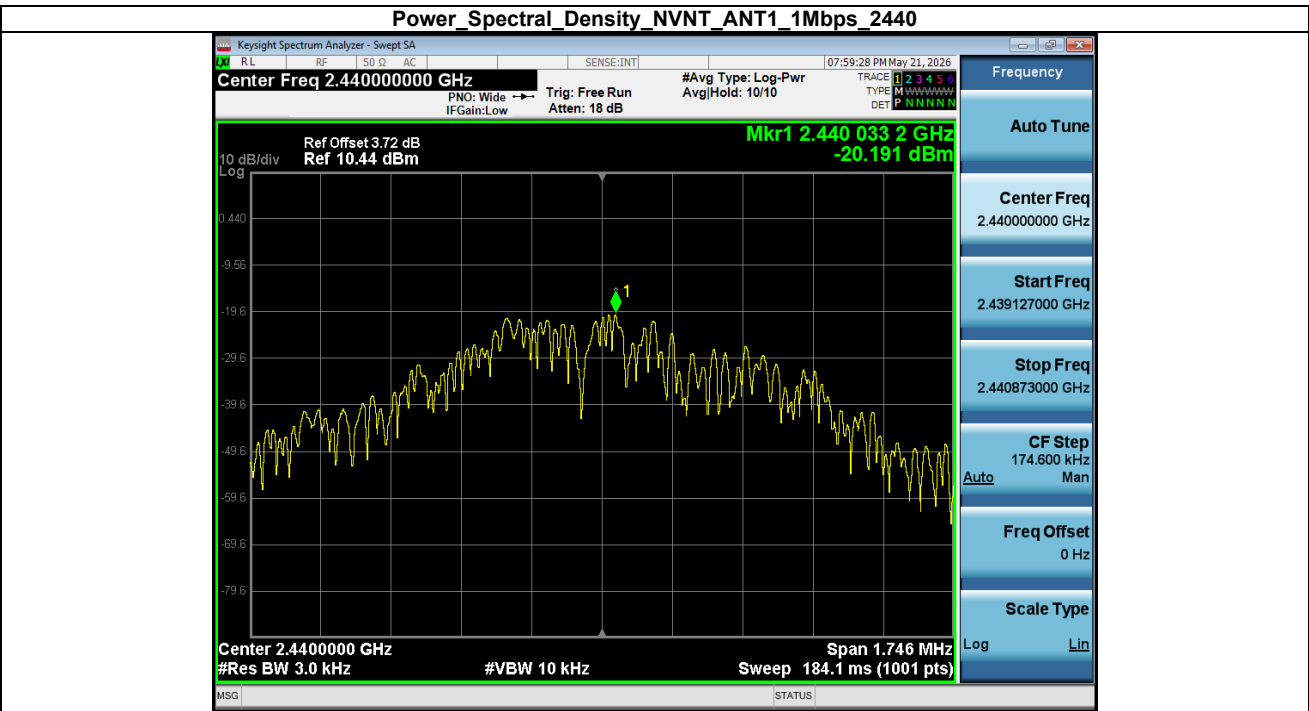
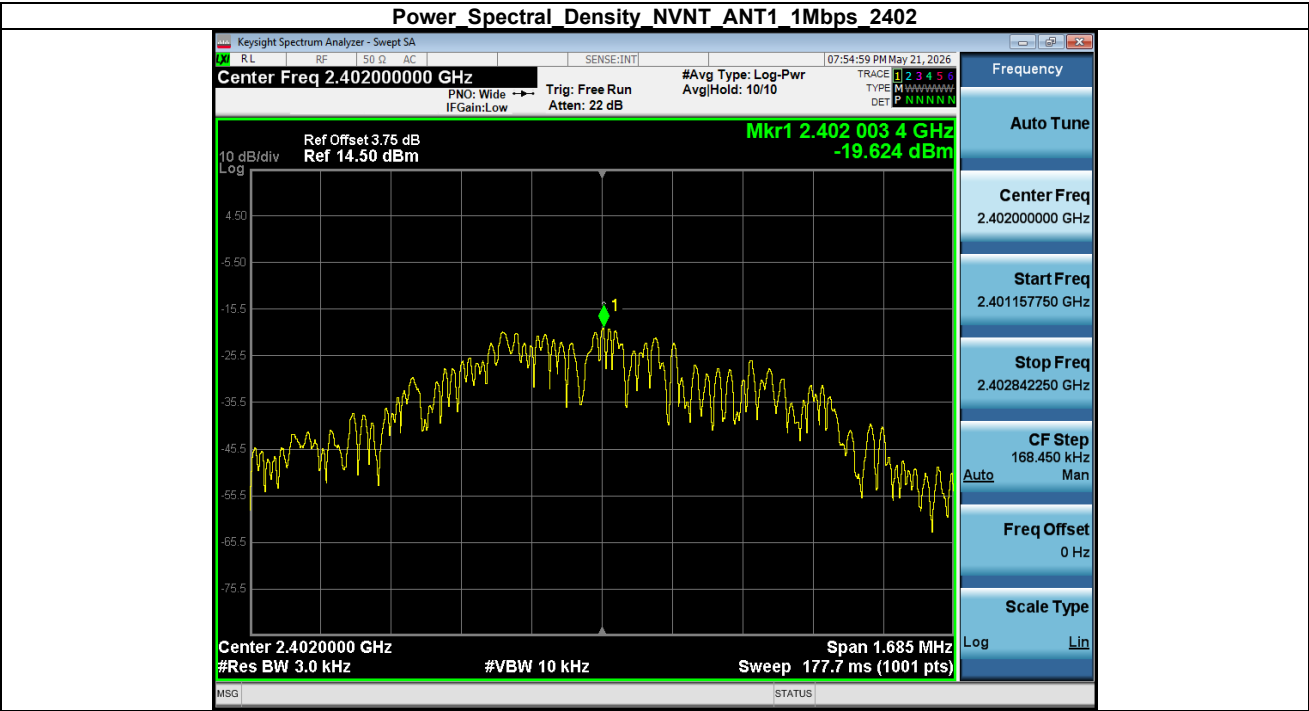


Peak Output Power NVNT ANT1 2Mbps 2480

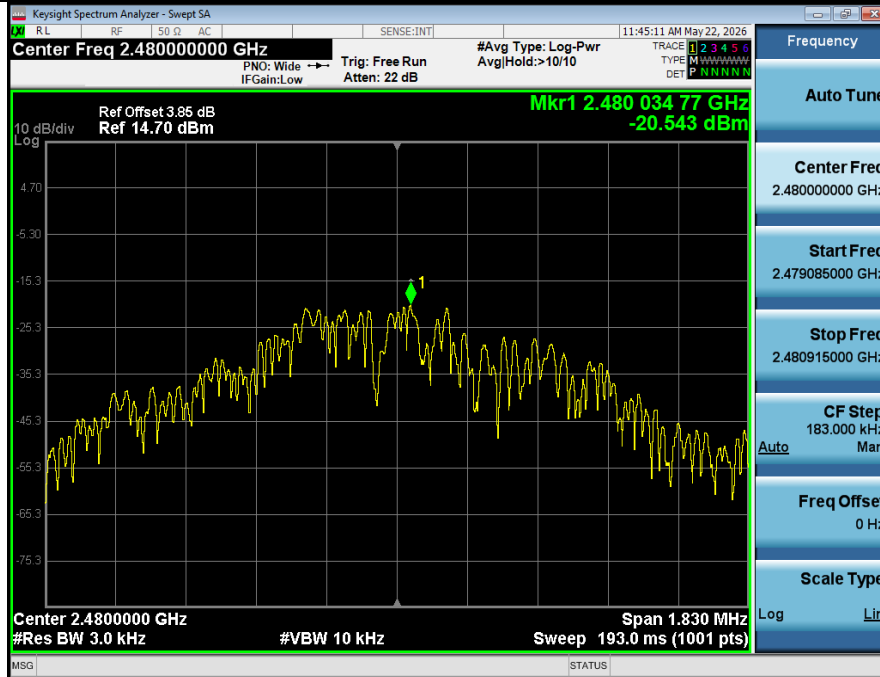


5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-19.62	8	Pass
NVNT	ANT1	1Mbps	2440.00	-20.19	8	Pass
NVNT	ANT1	1Mbps	2480.00	-20.54	8	Pass
NVNT	ANT1	2Mbps	2402.00	-22.11	8	Pass
NVNT	ANT1	2Mbps	2440.00	-22.54	8	Pass
NVNT	ANT1	2Mbps	2480.00	-22.34	8	Pass



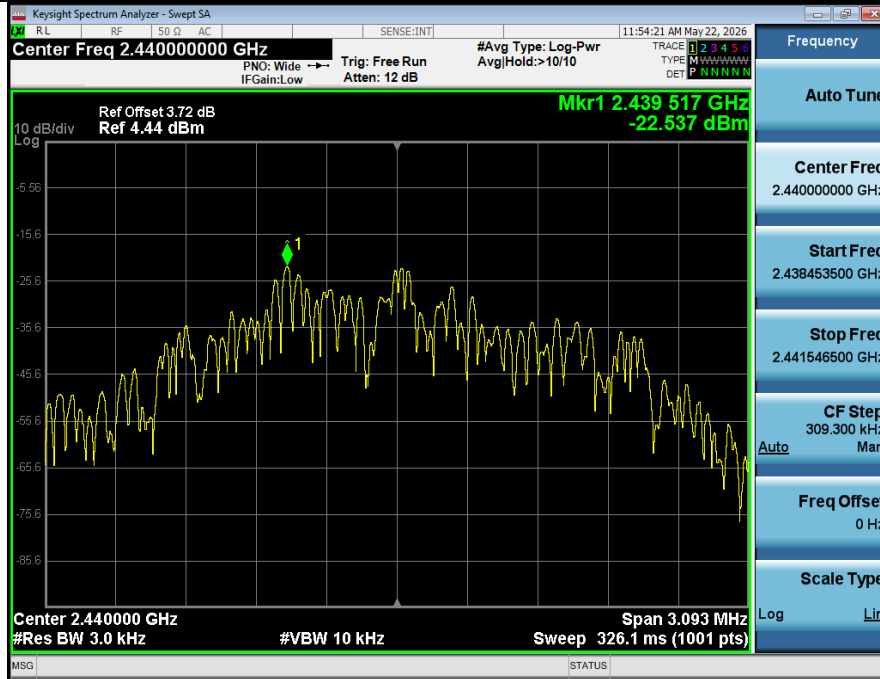
Power Spectral Density NVNT ANT1 1Mbps 2480



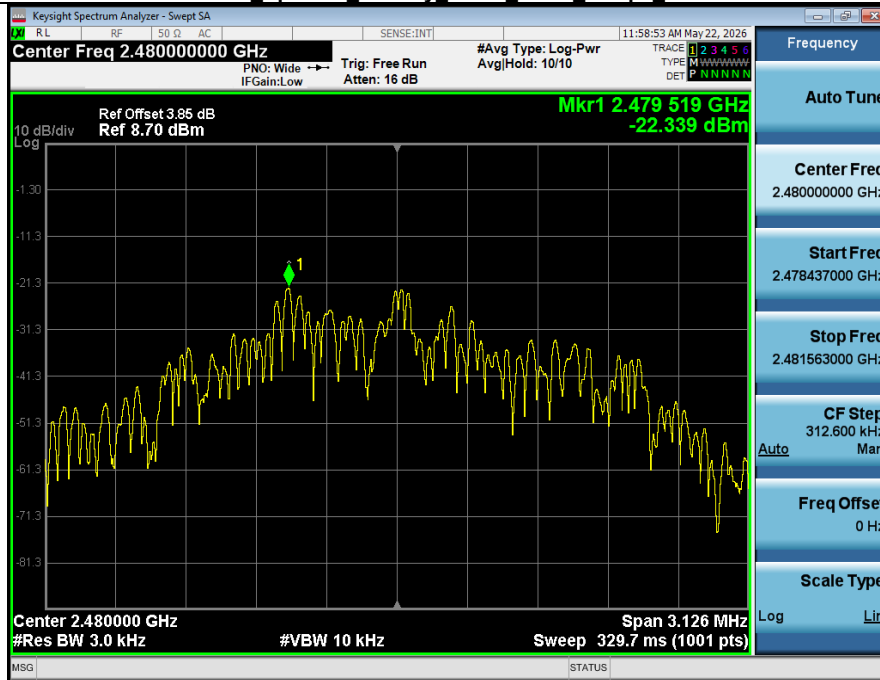
Power Spectral Density NVNT ANT1 2Mbps 2402



Power Spectral Density NVNT ANT1 2Mbps 2440

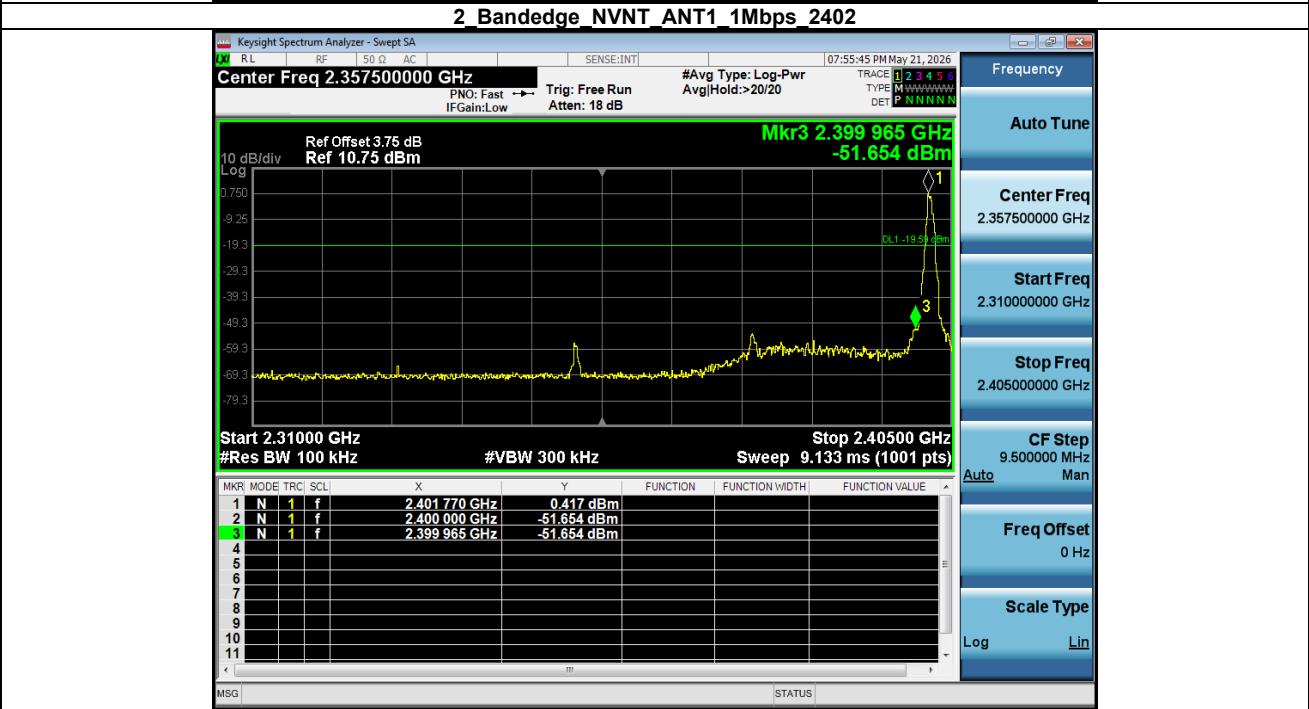


Power Spectral Density NVNT ANT1 2Mbps 2480

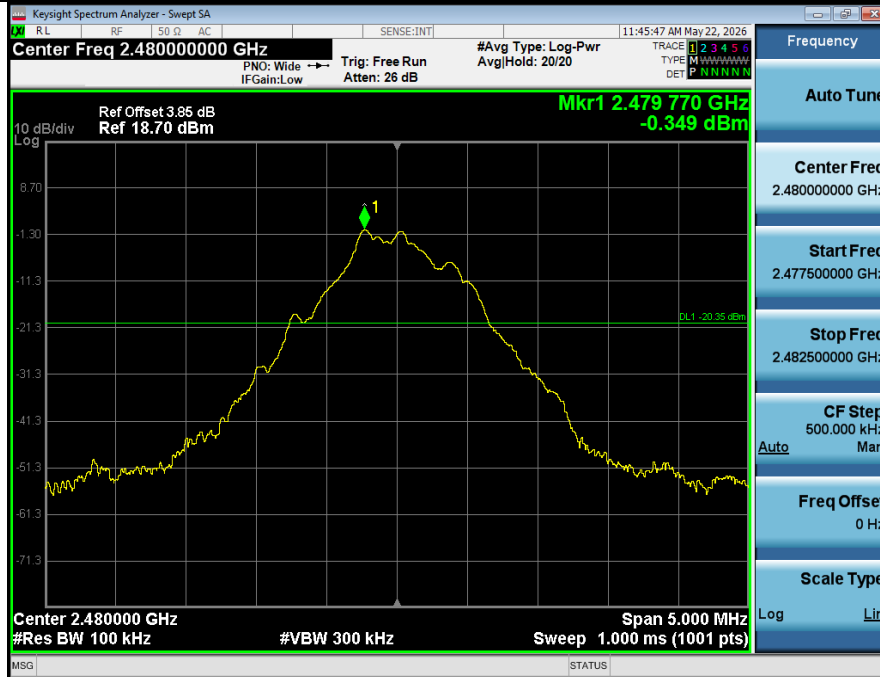


6. Bandedge

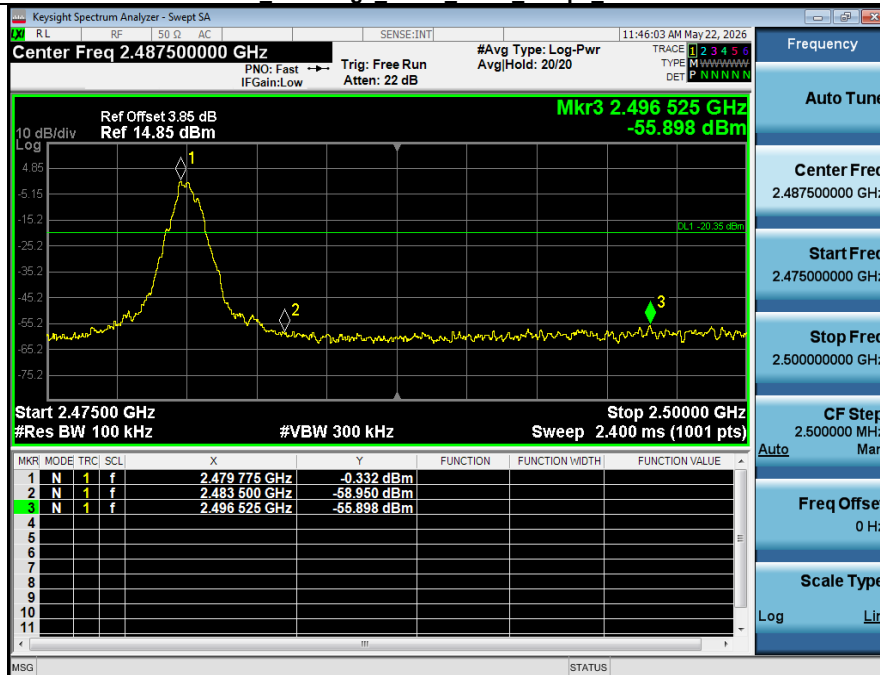
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	0.414	-51.654	-19.586	Pass
NVNT	ANT1	1Mbps	2480.00	2496.525	-0.349	-55.898	-20.349	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	-0.348	-33.004	-20.348	Pass
NVNT	ANT1	2Mbps	2480.00	2485.625	-0.589	-50.858	-20.589	Pass



1 Reference Level NVNT ANT1 1Mbps 2480



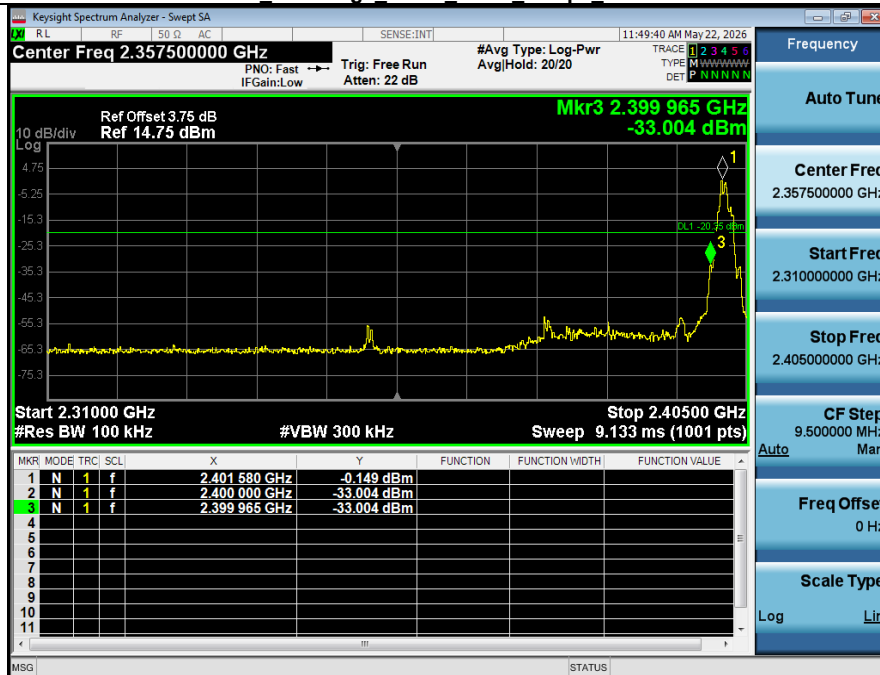
2 Bandedge NVNT ANT1 1Mbps 2480



1 Reference Level NVNT ANT1 2Mbps 2402



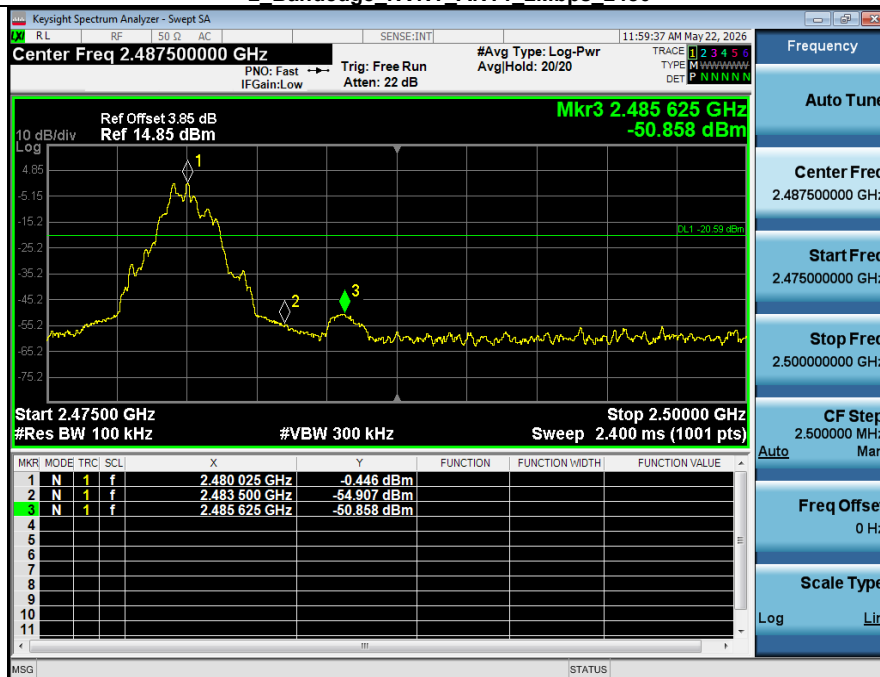
2 Bandedge NVNT ANT1 2Mbps 2402



1 Reference Level NVNT ANT1 2Mbps 2480

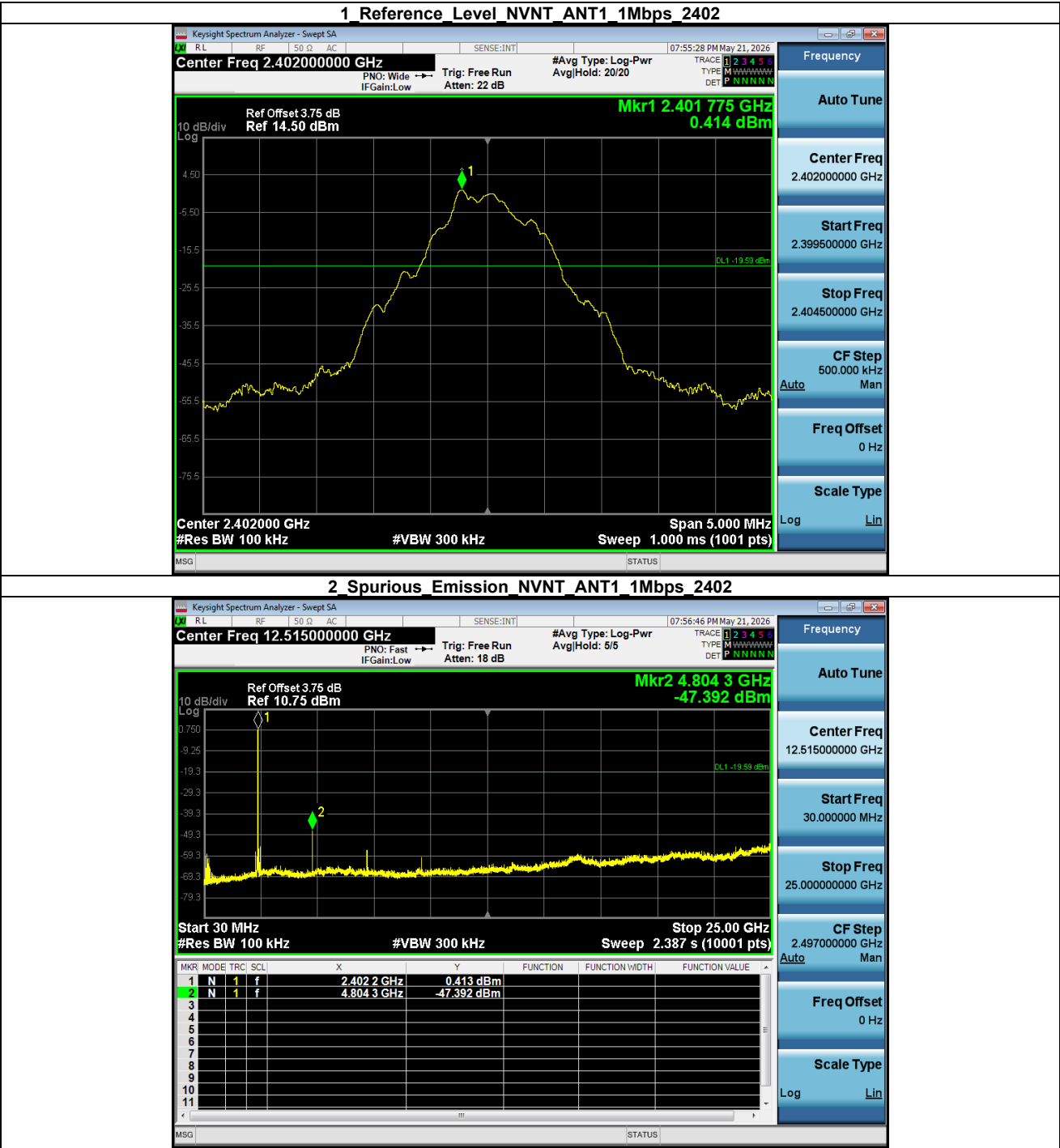


2 Bandedge NVNT ANT1 2Mbps 2480



7. Spurious Emission

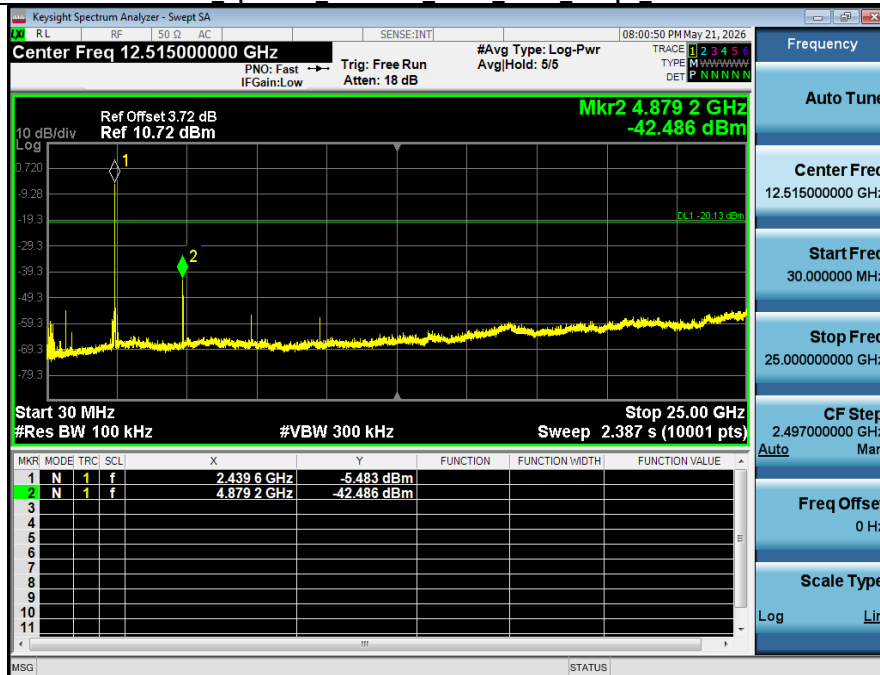
Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	0.414	-47.392	-19.586	Pass
NVNT	ANT1	1Mbps	2440.00	-0.126	-42.486	-20.126	Pass
NVNT	ANT1	1Mbps	2480.00	-0.349	-49.333	-20.349	Pass
NVNT	ANT1	2Mbps	2402.00	-0.348	-48.008	-20.348	Pass
NVNT	ANT1	2Mbps	2440.00	-0.852	-44.028	-20.852	Pass
NVNT	ANT1	2Mbps	2480.00	-0.589	-46.174	-20.589	Pass



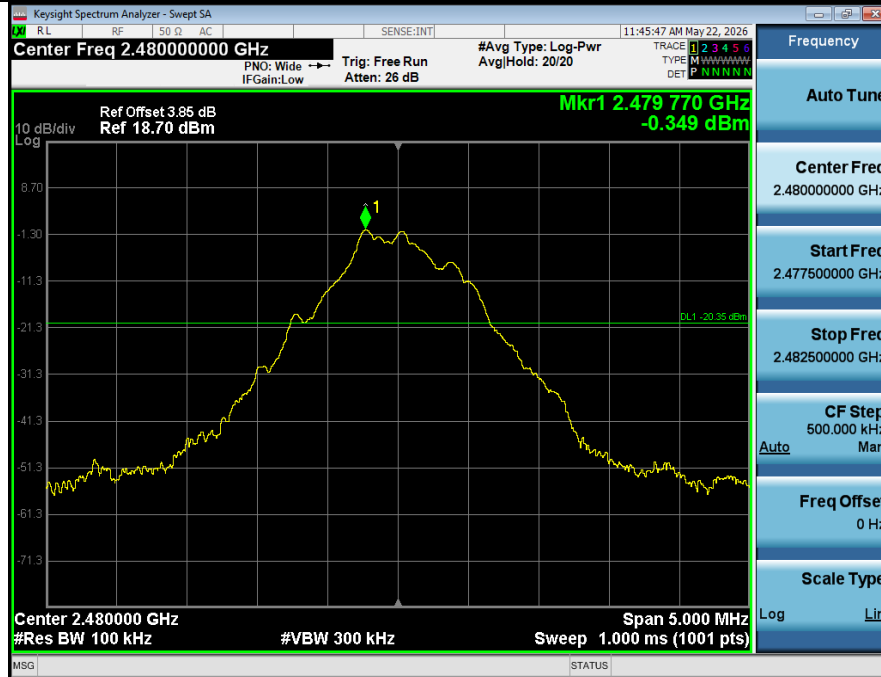
1 Reference Level NVNT ANT1 1Mbps 2440



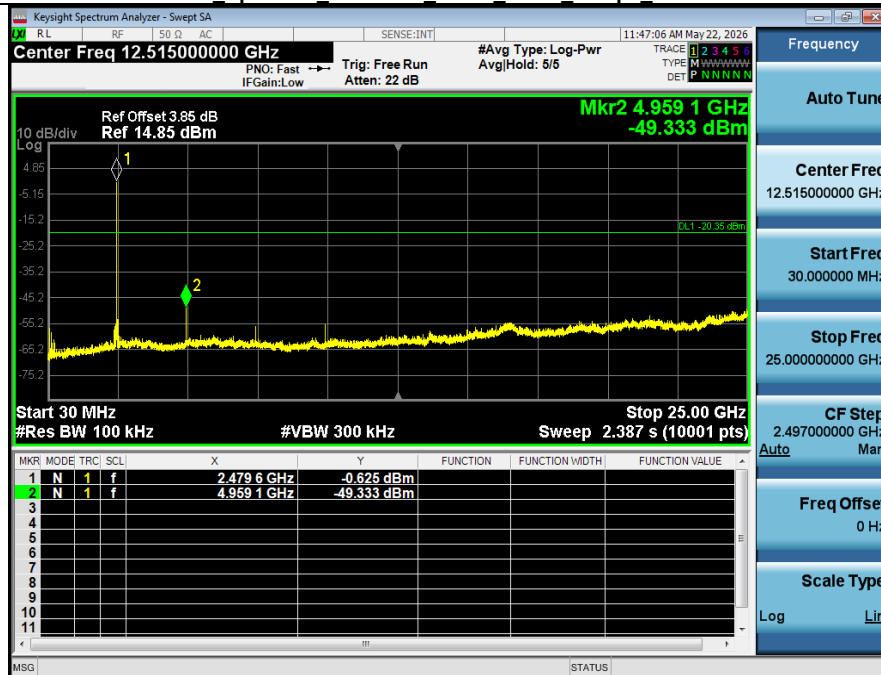
2 Spurious Emission NVNT ANT1 1Mbps 2440



1 Reference Level NVNT ANT1 1Mbps 2480



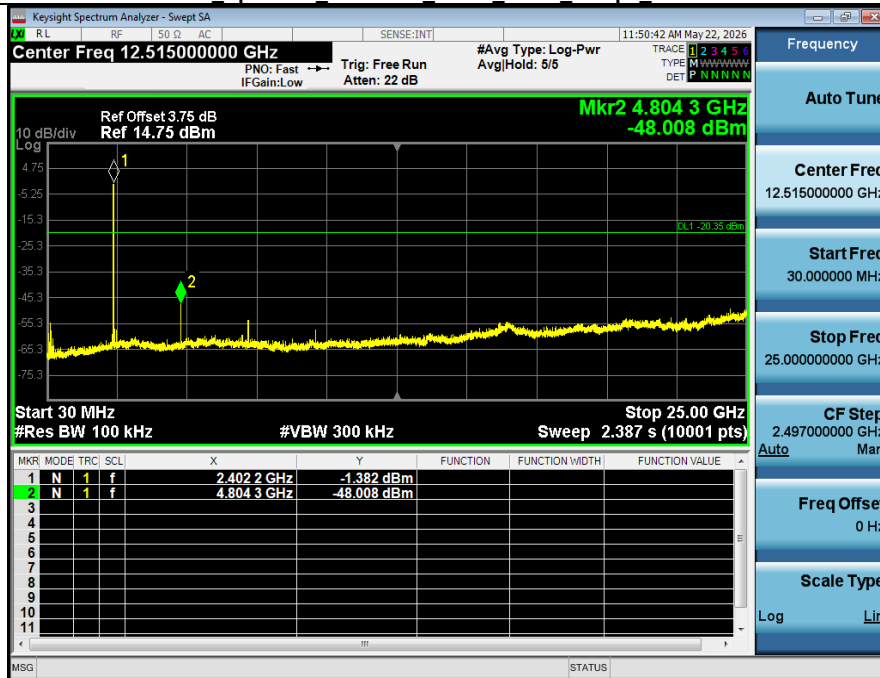
2 Spurious Emission NVNT ANT1 1Mbps 2480



1 Reference Level NVNT ANT1 2Mbps 2402



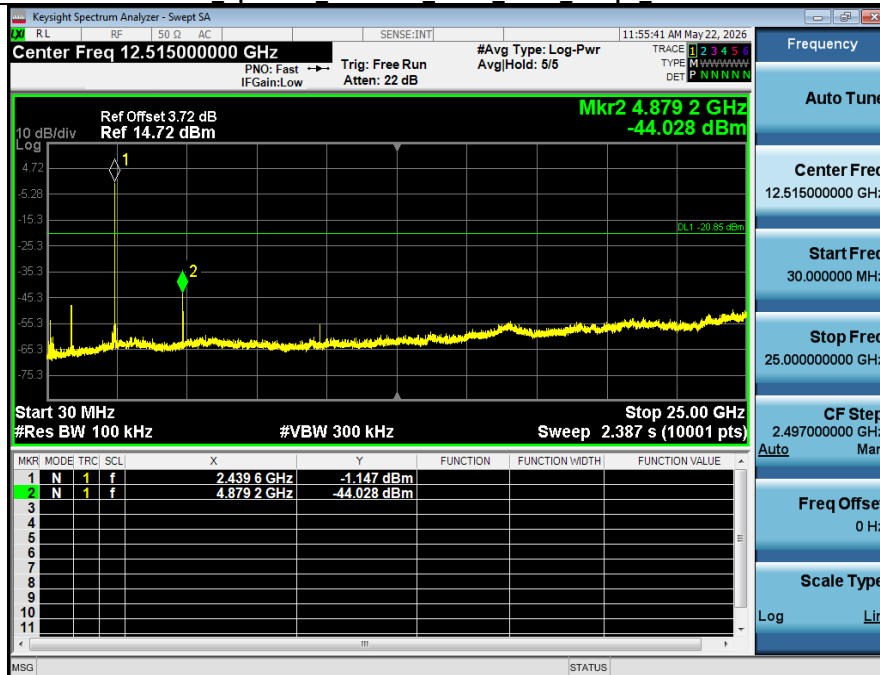
2 Spurious Emission NVNT ANT1 2Mbps 2402



1 Reference Level NVNT ANT1 2Mbps 2440



2 Spurious Emission NVNT ANT1 2Mbps 2440



1 Reference Level NVNT ANT1 2Mbps 2480



2 Spurious Emission NVNT ANT1 2Mbps 2480

