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FCC ID:2BQBQ5104-RGB-KIT

FCC_BLE (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	537.53	500	Pass
NVNT	ANT1	1Mbps	2440.00	516.45	500	Pass
NVNT	ANT1	1Mbps	2480.00	517.76	500	Pass

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440



-6dB Bandwidth NVNT ANT1 1Mbps 2480



2. 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.029
NVNT	ANT1	1Mbps	2440.00	1.029
NVNT	ANT1	1Mbps	2480.00	1.026

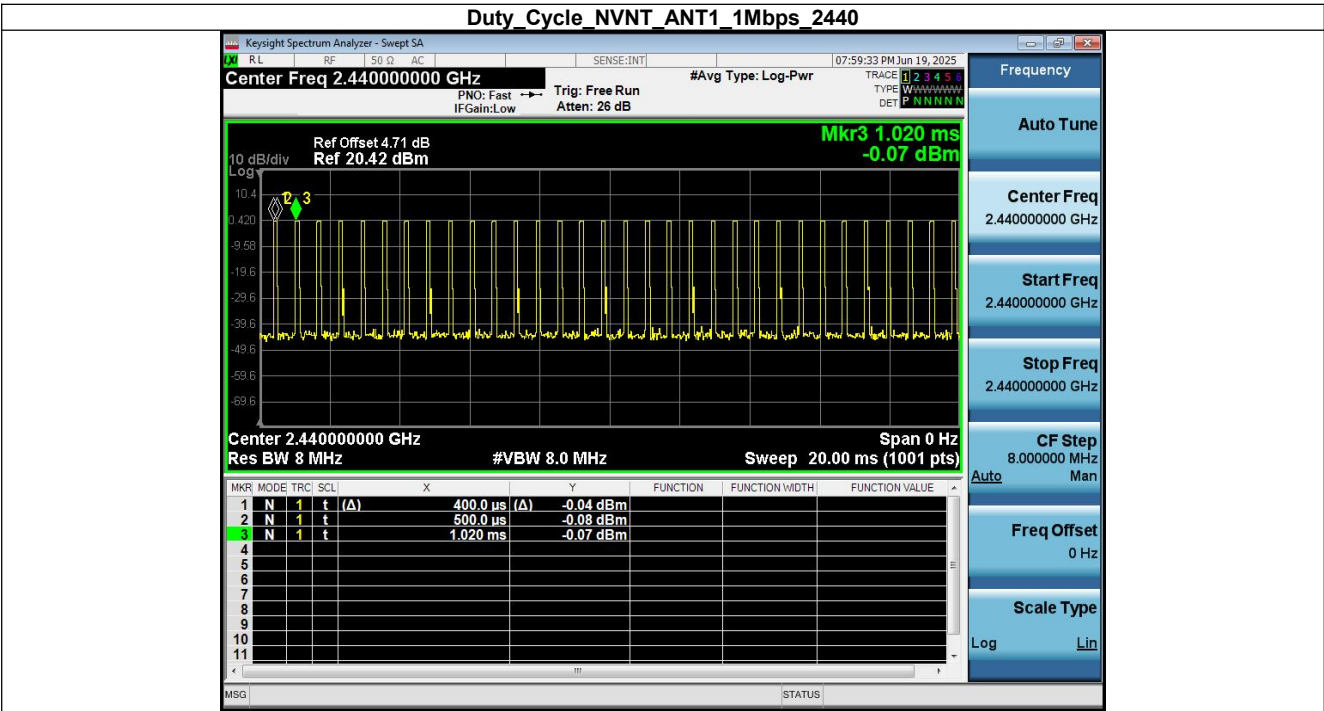
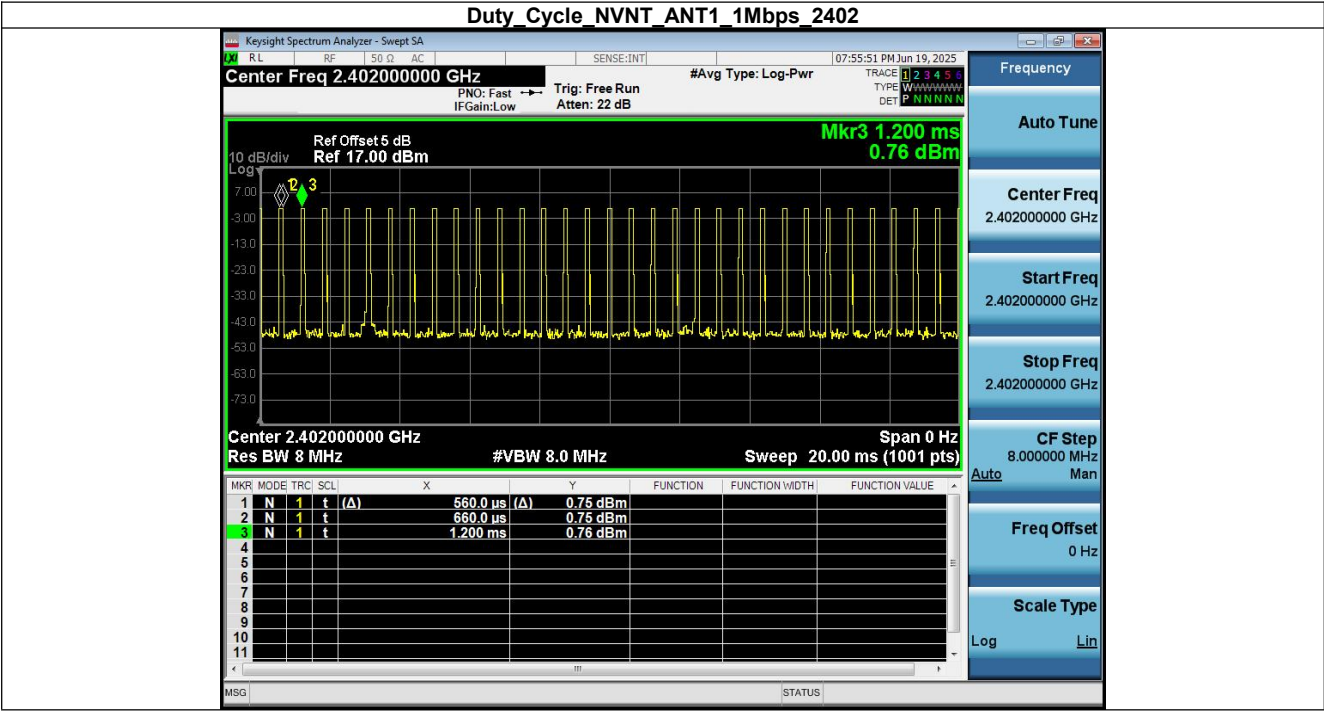


99% Occupied Bandwidth NVNT ANT1 1Mbps 2480

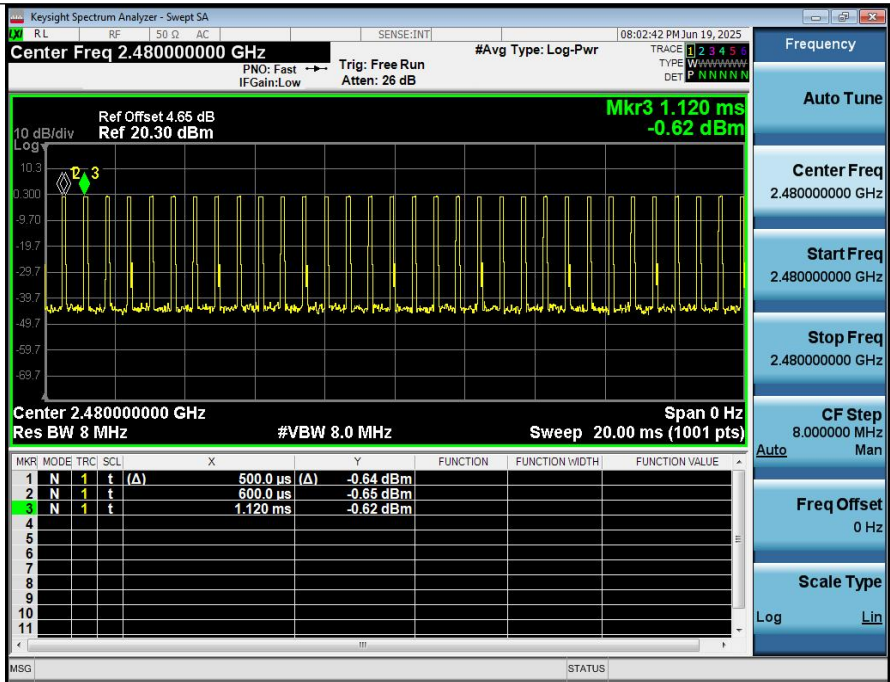


3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Ton(us)	T _{total} (us)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	100	540	18.52	7.32
NVNT	ANT1	1Mbps	2440.00	100	520	16.13	7.92
NVNT	ANT1	1Mbps	2480.00	100	520	16.13	7.92

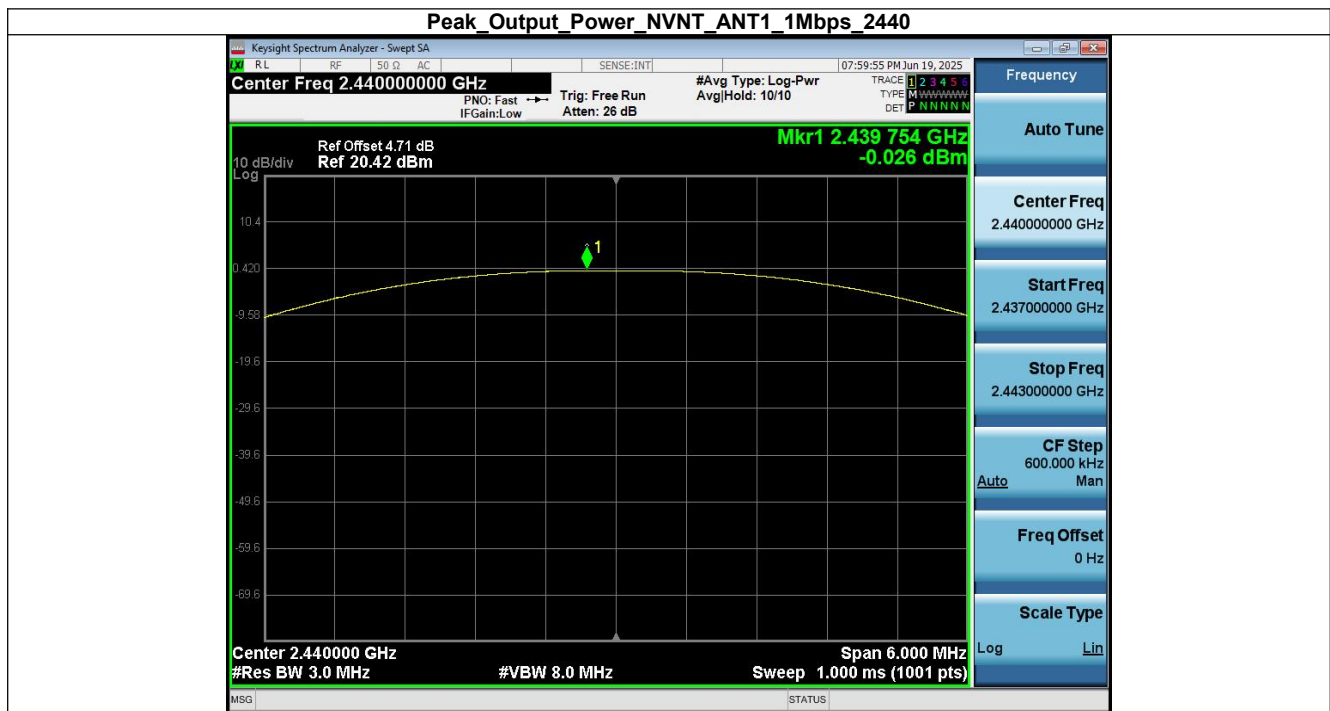
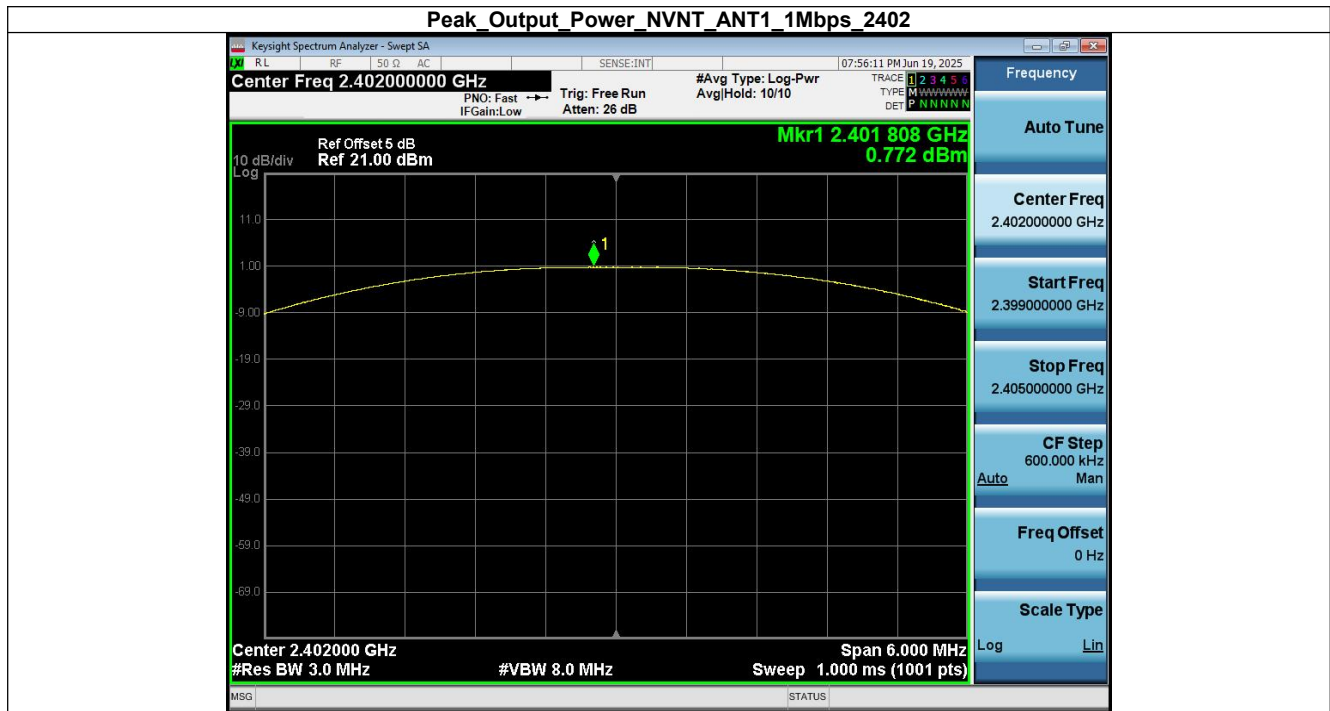


Duty Cycle_NVNT_ANT1_1Mbps_2480

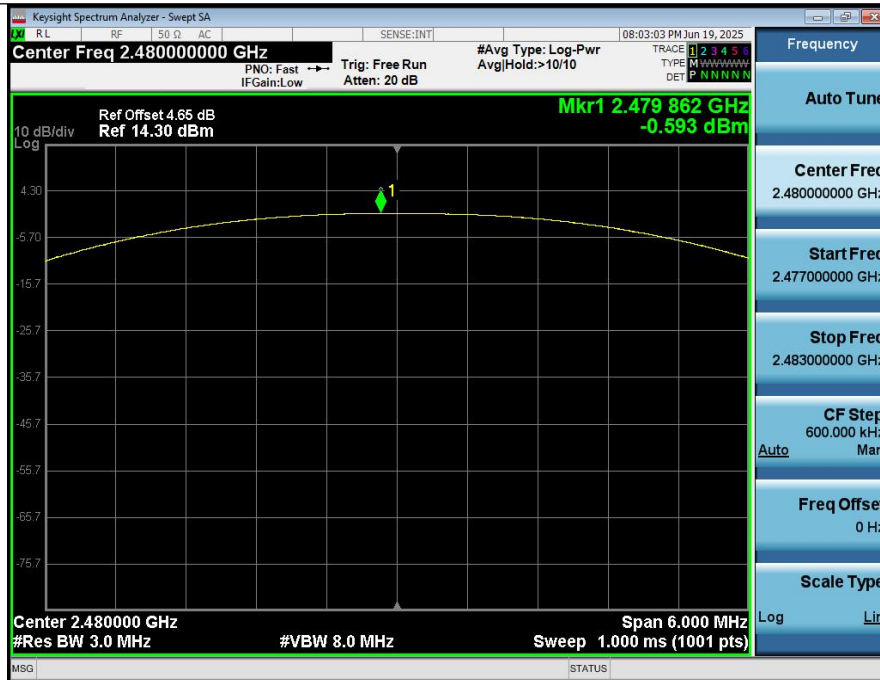


4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402.00	0.77	1.19	1000	Pass
NVNT	ANT1	1Mbps	2440.00	-0.03	0.99	1000	Pass
NVNT	ANT1	1Mbps	2480.00	-0.59	0.87	1000	Pass



Peak_Output_Power_NVNT_ANT1_1Mbps_2480



5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-18.28	8	Pass
NVNT	ANT1	1Mbps	2440.00	-20.07	8	Pass
NVNT	ANT1	1Mbps	2480.00	-20.69	8	Pass

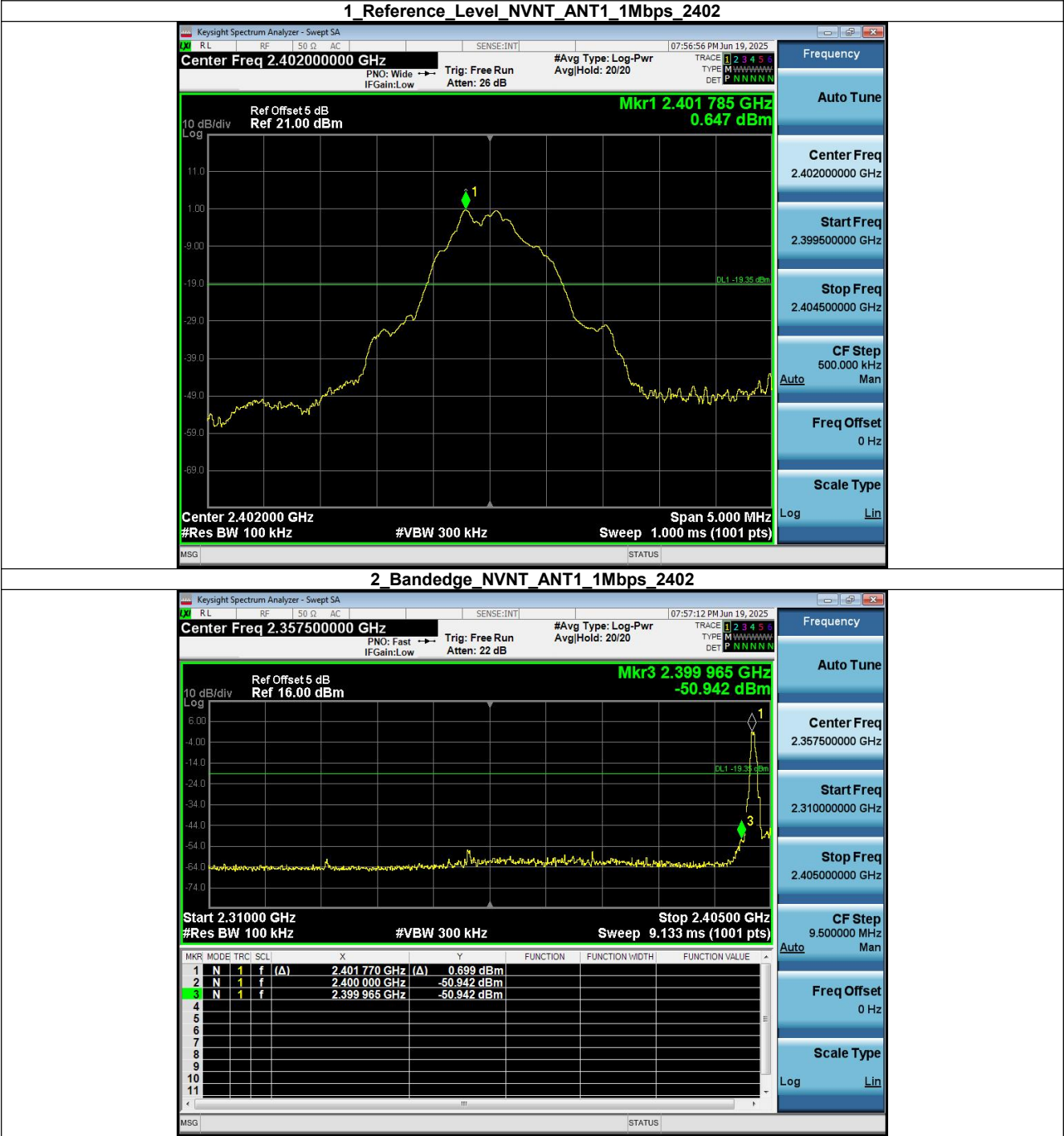


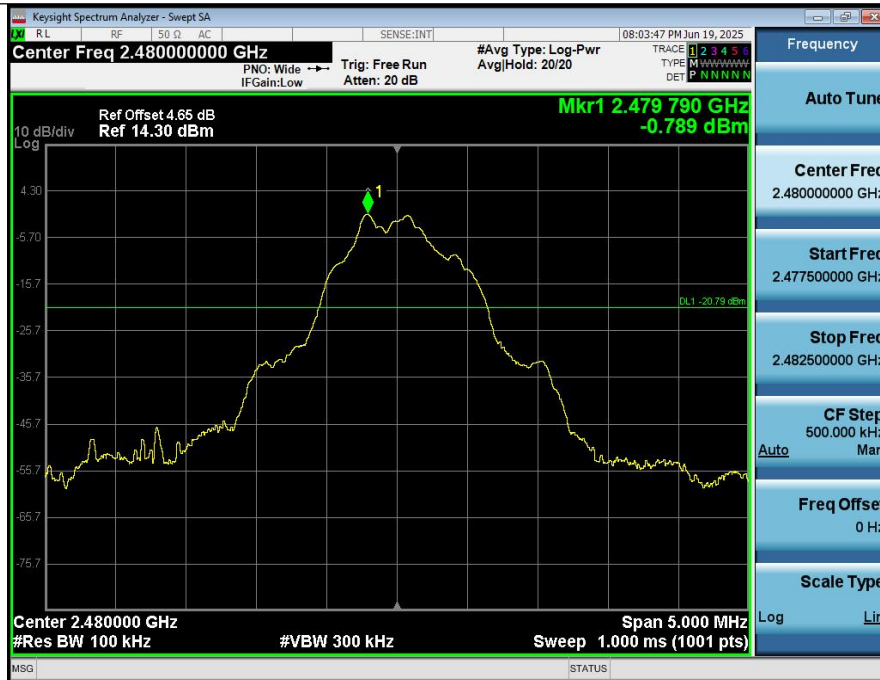
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



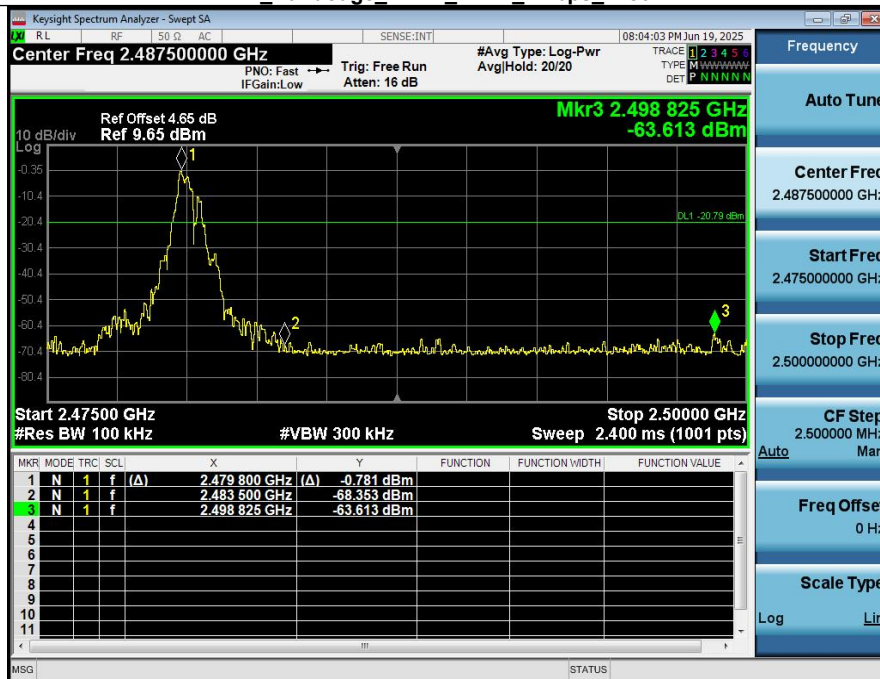
6. Bandedge

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	0.647	-50.942	-19.353	Pass
NVNT	ANT1	1Mbps	2480.00	2498.825	-0.789	-63.613	-20.789	Pass



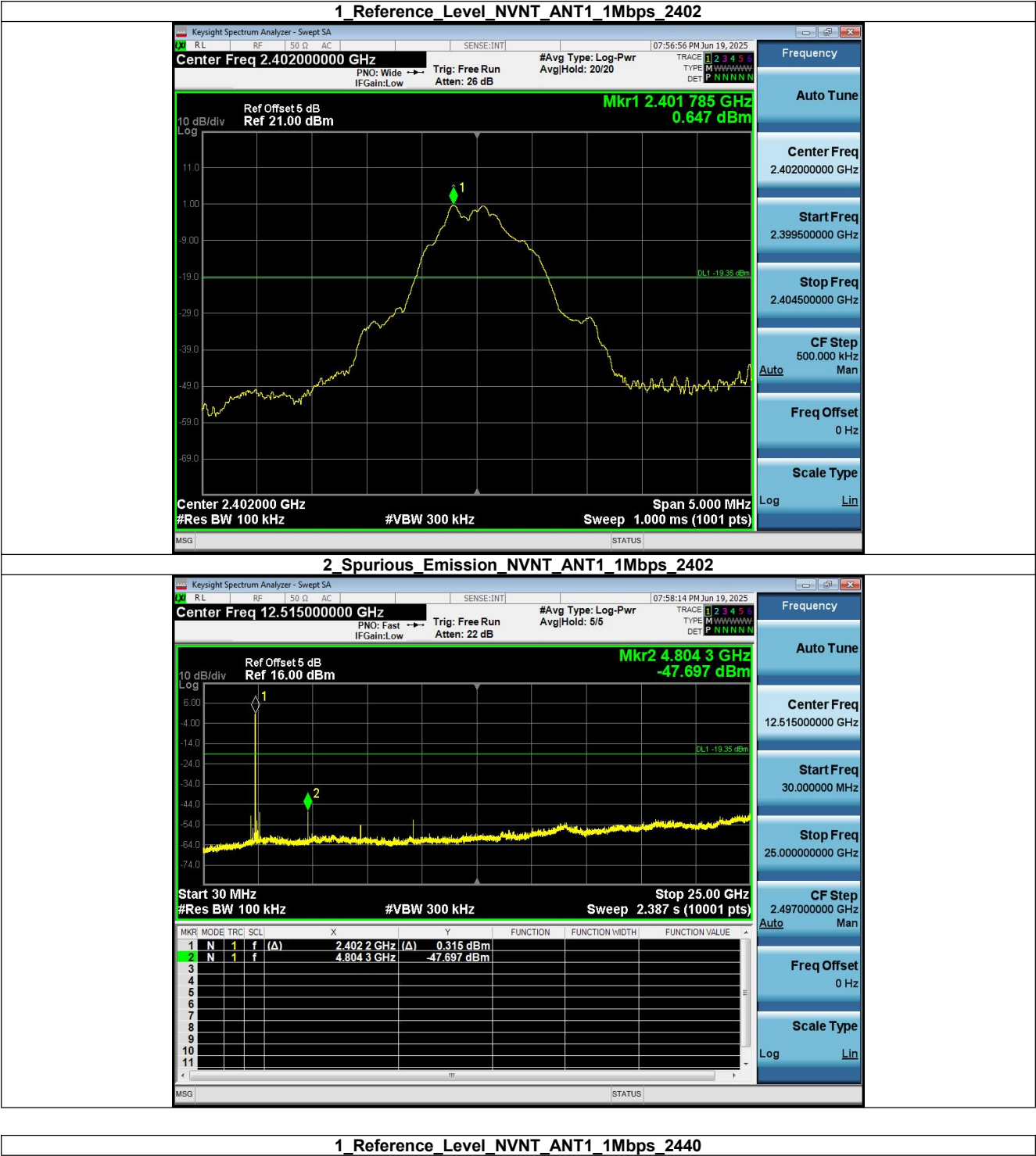


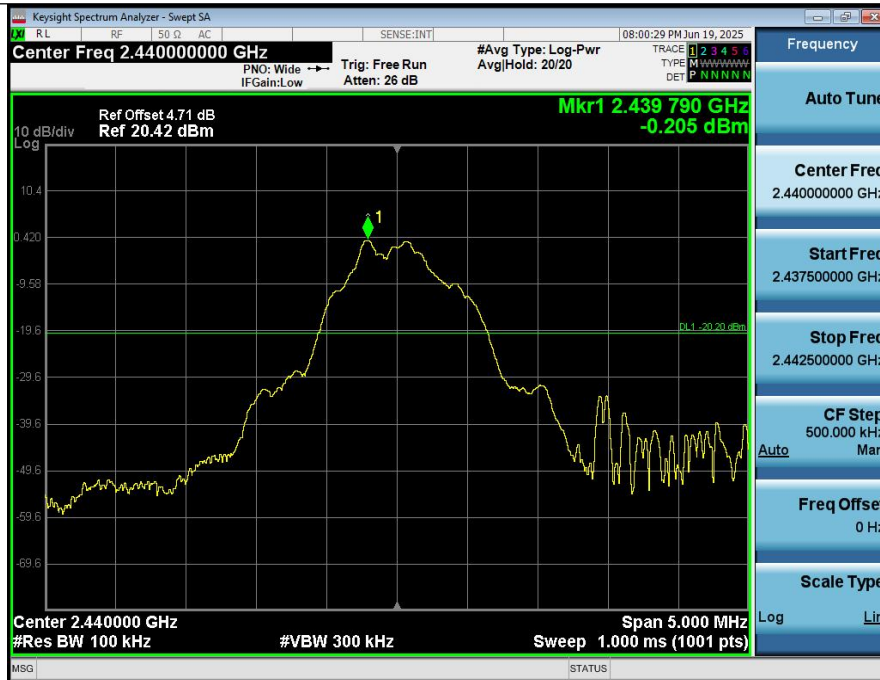
2_Bandedge_NVNT_ANT1_1Mbps_2480



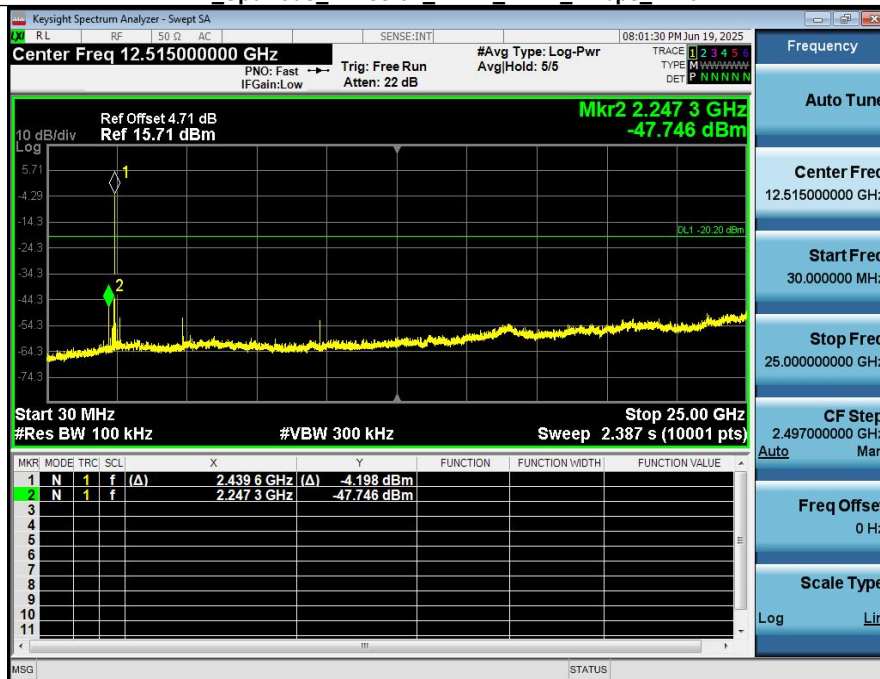
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	0.647	-47.697	-19.353	Pass
NVNT	ANT1	1Mbps	2440.00	-0.205	-47.746	-20.205	Pass
NVNT	ANT1	1Mbps	2480.00	-0.789	-46.281	-20.789	Pass

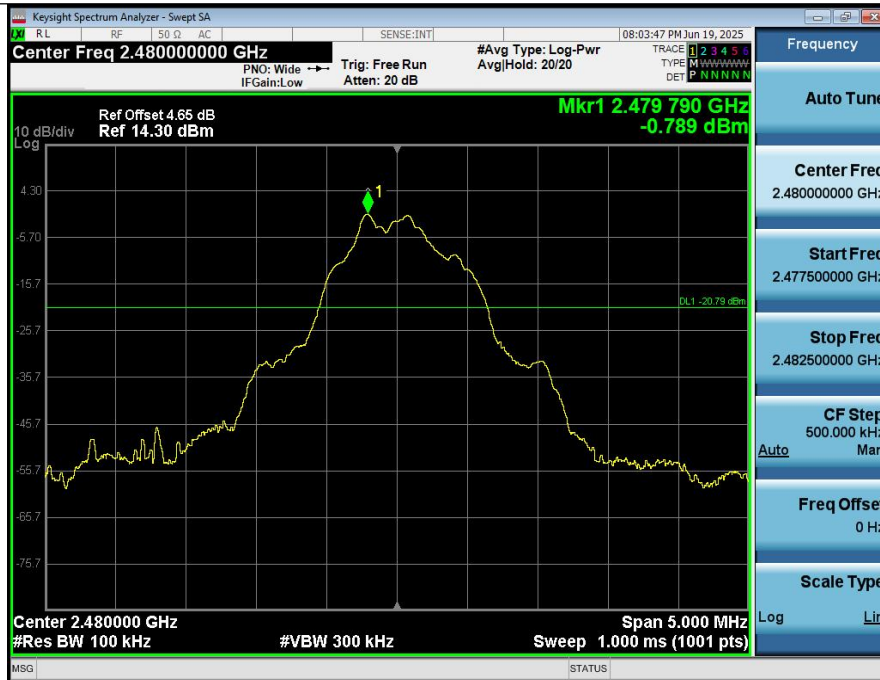




2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Spurious_Emission_NVNT_ANT1_1Mbps_2480

