

REPORT FOR TEST DATA

FCC ID: 2BENR-DH-313

Product : DH Series of intelligent switches
Model Name : DH-313
Brand : N/A
Report No. : NCT23044243E-4

Prepared for

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FCC_BLE (Part15.247) Test Data

1. -6dB Bandwidth

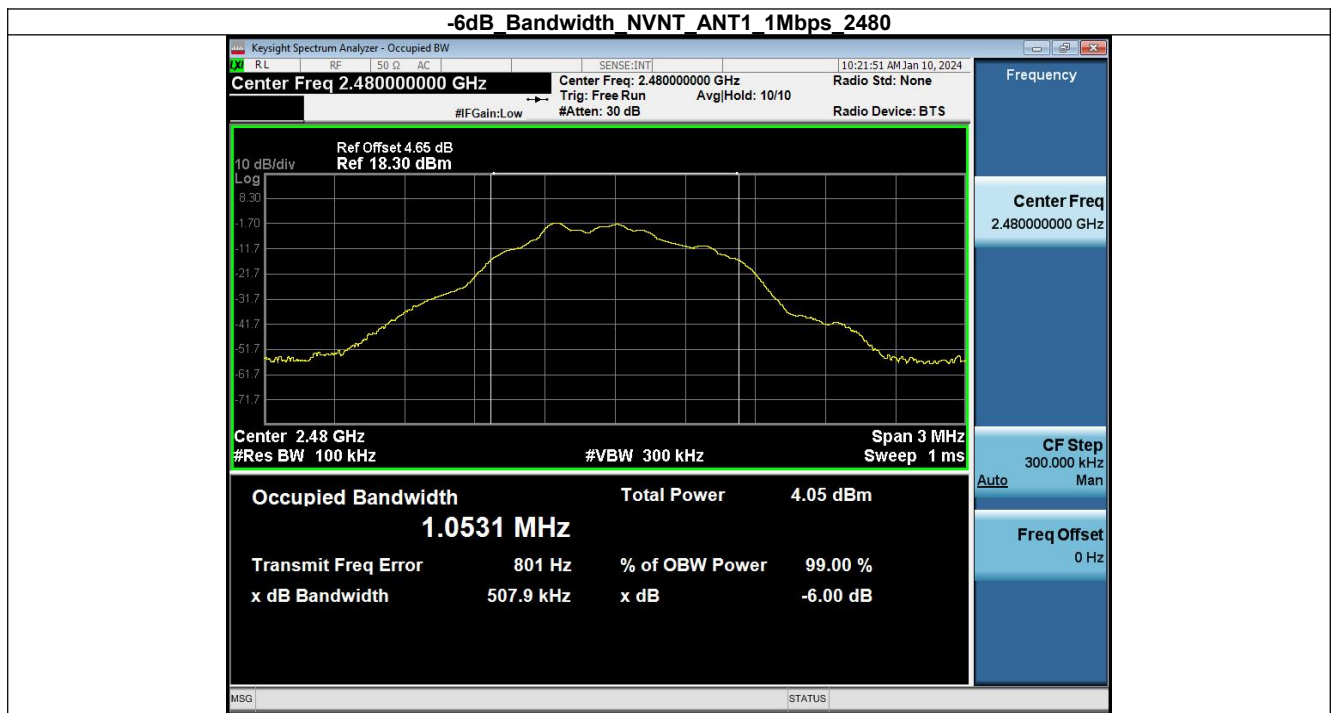
Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402	507.18	500	Pass
NVNT	ANT1	1Mbps	2440.00	508.06	500	Pass
NVNT	ANT1	1Mbps	2480	507.91	500	Pass

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440





2. 99% Occupied Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402	1.012
NVNT	ANT1	1Mbps	2440.00	1.013
NVNT	ANT1	1Mbps	2480	1.014

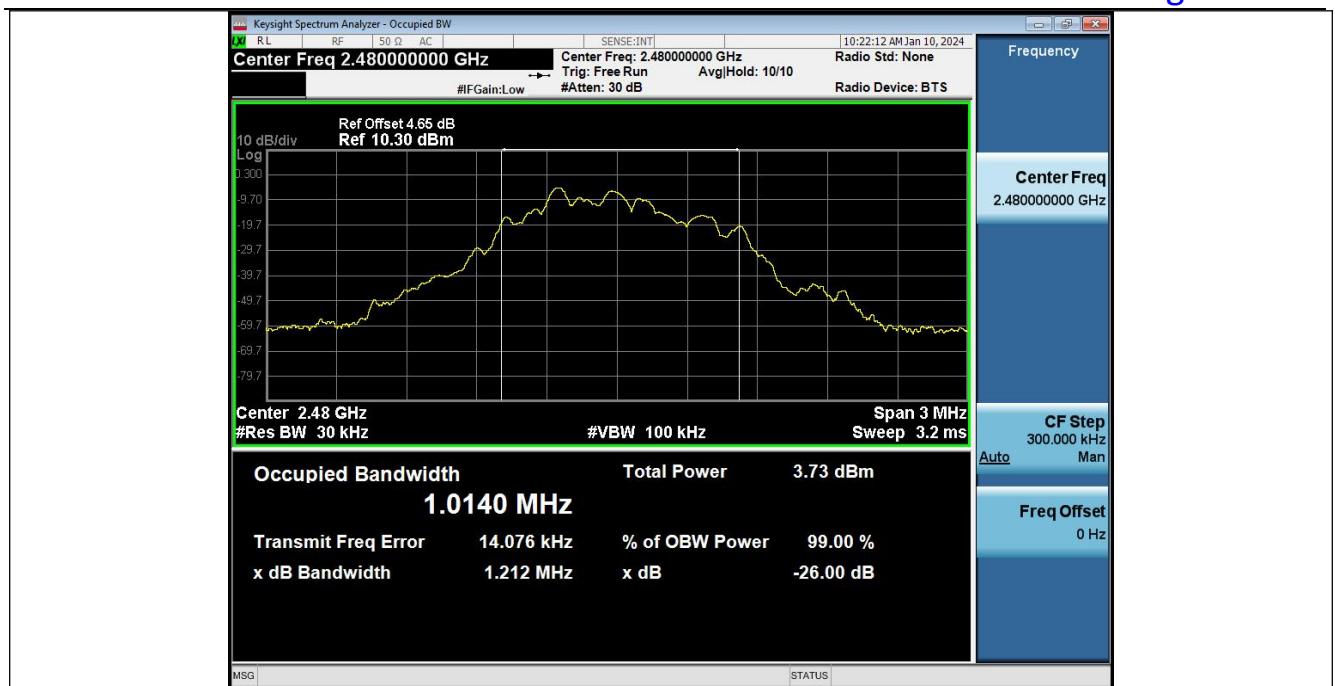
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2402



99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2440



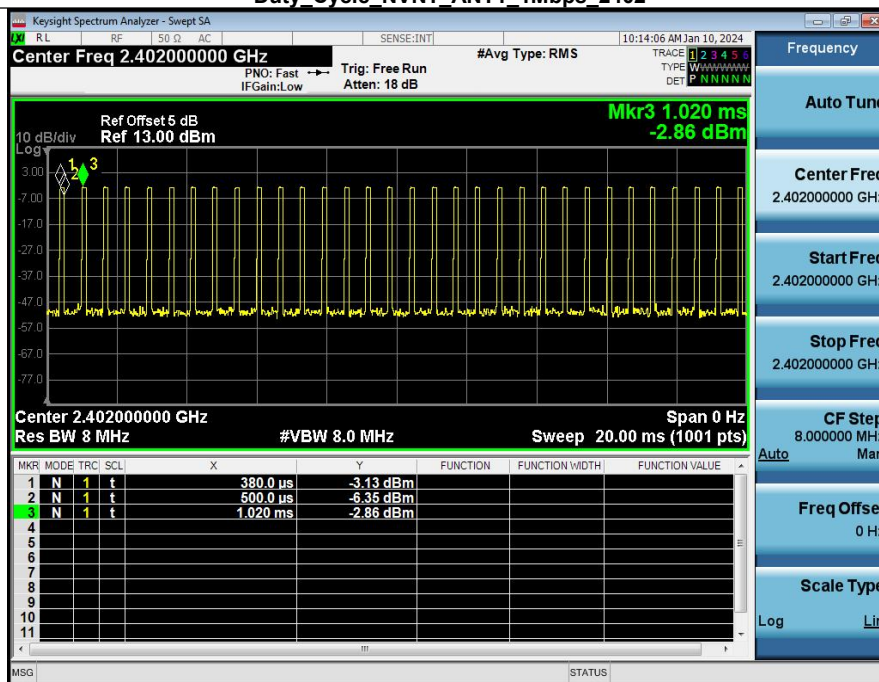
99%_Occupied_Bandwidth_NVNT_ANT1_1Mbps_2480



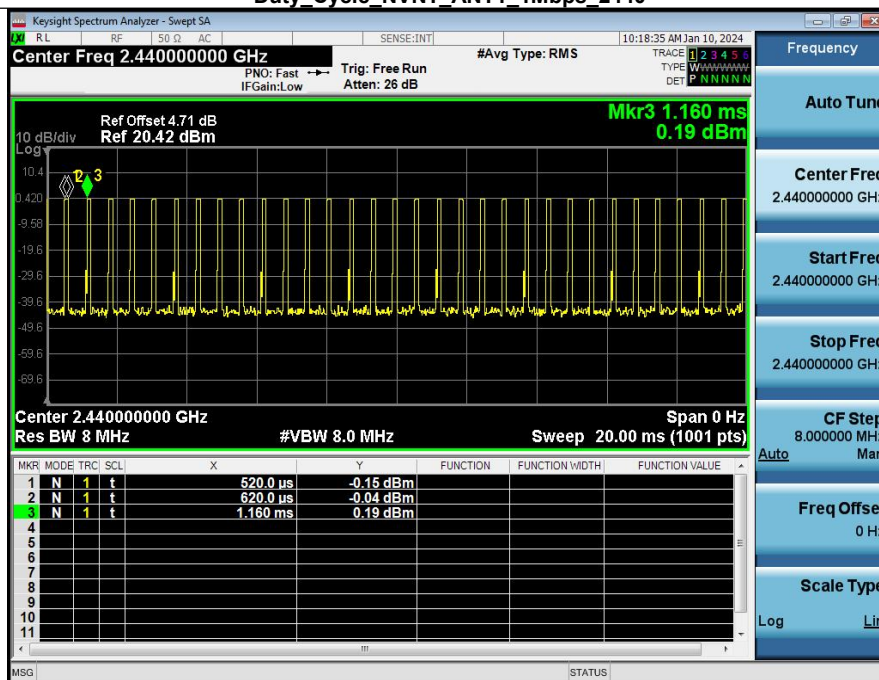
3. Duty Cycle

Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402	18.75	7.27
NVNT	ANT1	1Mbps	2440.00	18.75	7.27
NVNT	ANT1	1Mbps	2480	16.13	7.92

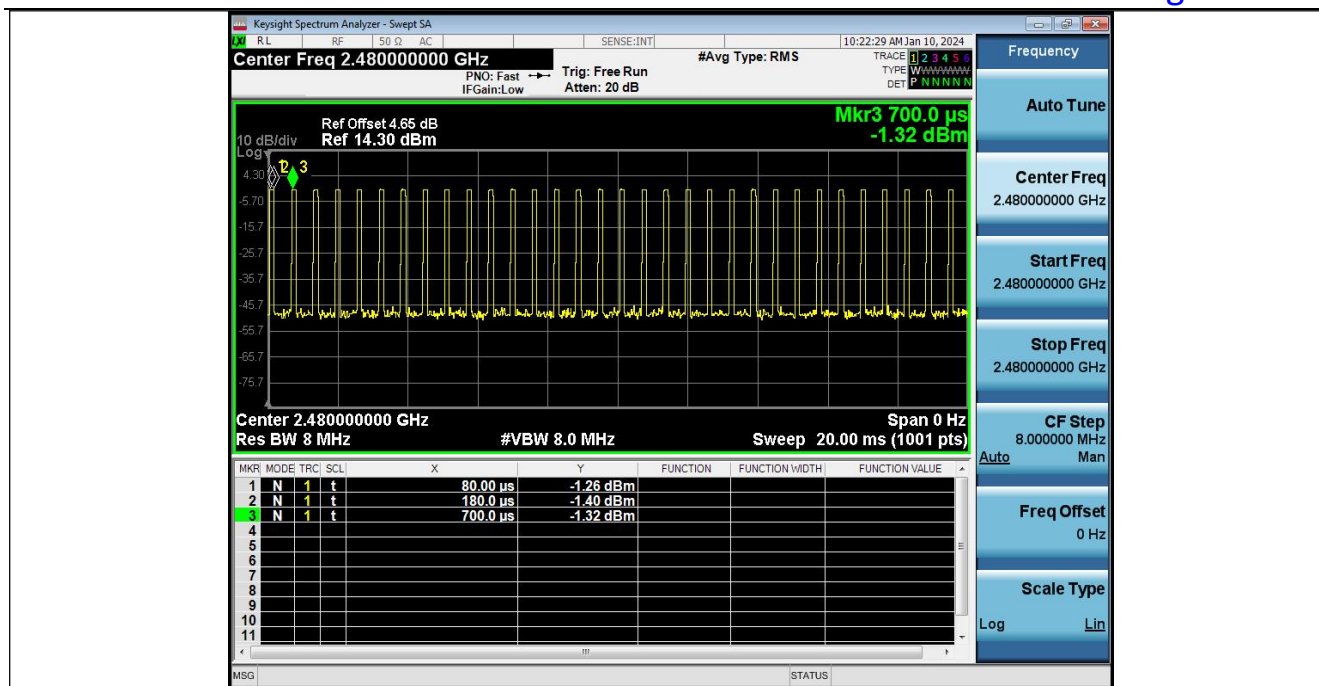
Duty Cycle_NVNT_ANT1_1Mbps_2402



Duty Cycle_NVNT_ANT1_1Mbps_2440



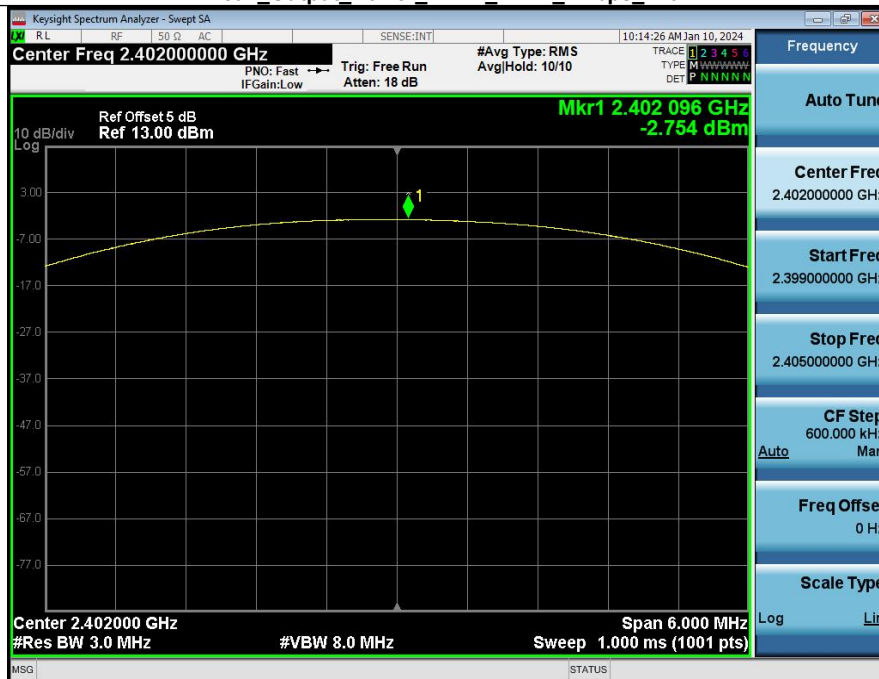
Duty Cycle_NVNT_ANT1_1Mbps_2480



4. Peak Output Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1Mbps	2402	-2.75	0.53	1000	Pass
NVNT	ANT1	1Mbps	2440.00	0.17	1.04	1000	Pass
NVNT	ANT1	1Mbps	2480	-1.10	0.78	1000	Pass

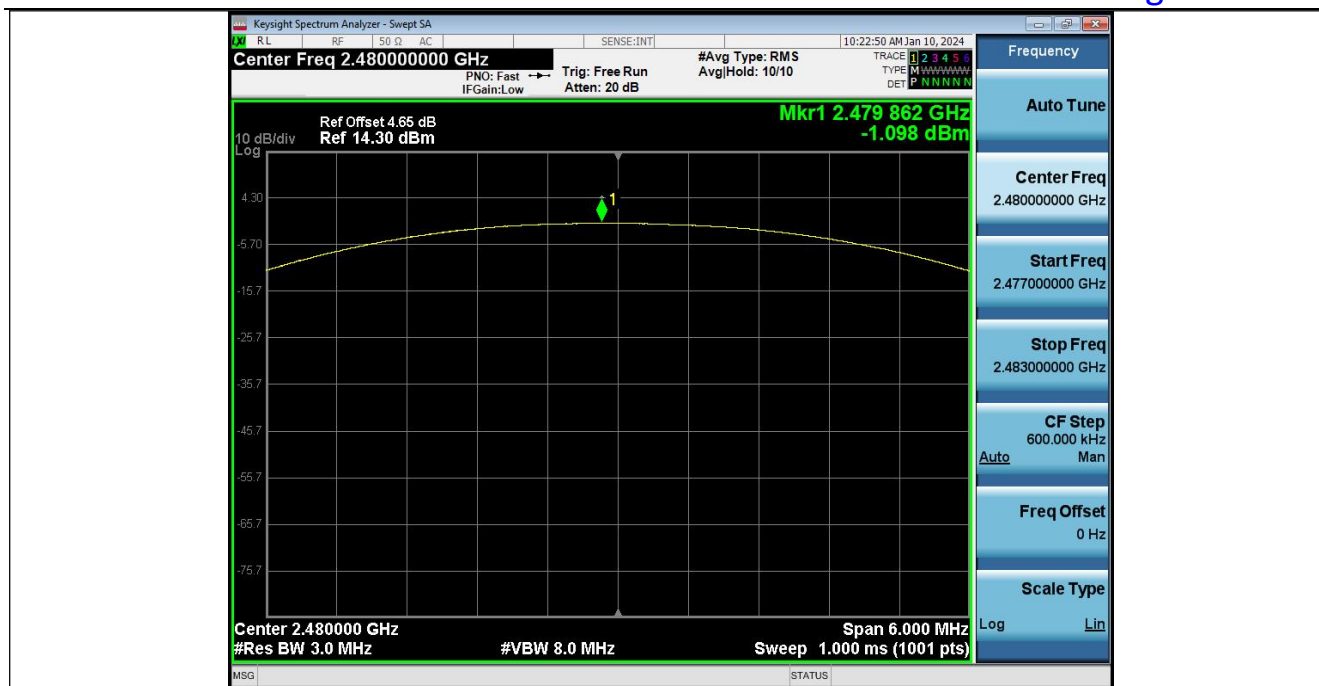
Peak_Output_Power_NVNT_ANT1_1Mbps_2402



Peak_Output_Power_NVNT_ANT1_1Mbps_2440



Peak_Output_Power_NVNT_ANT1_1Mbps_2480



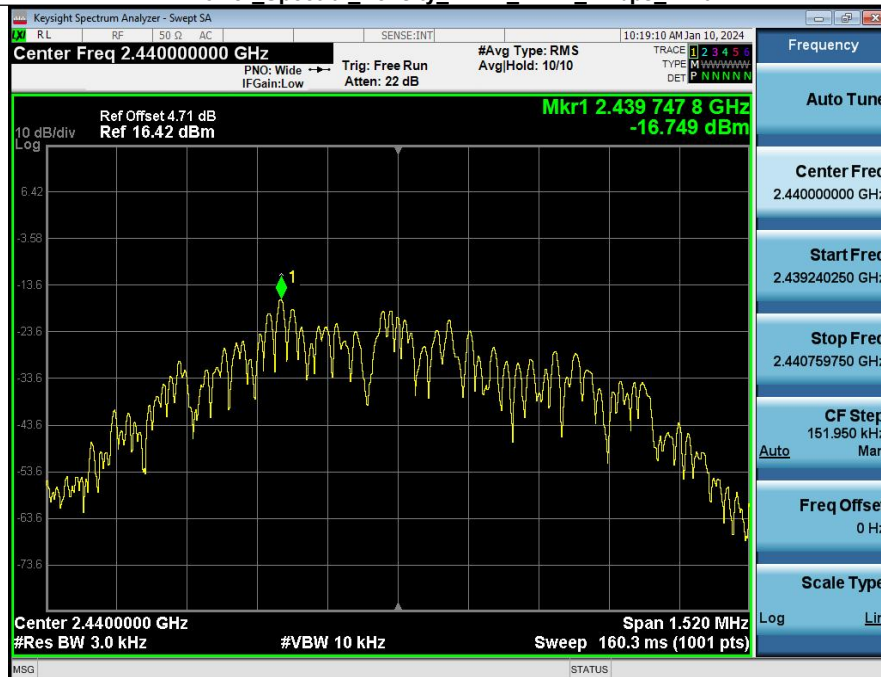
5. Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402	-19.70	8	Pass
NVNT	ANT1	1Mbps	2440.00	-16.75	8	Pass
NVNT	ANT1	1Mbps	2480	-18.13	8	Pass

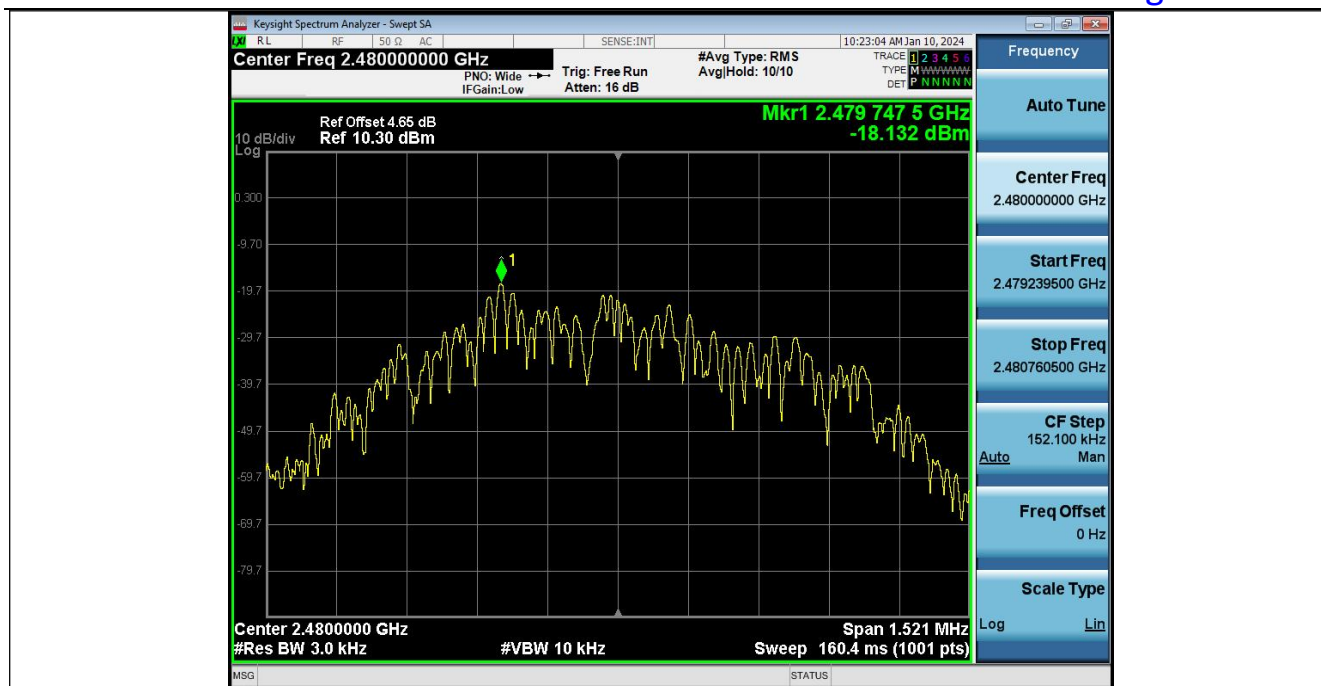
Power_Spectral_Density_NVNT_ANT1_1Mbps_2402



Power_Spectral_Density_NVNT_ANT1_1Mbps_2440



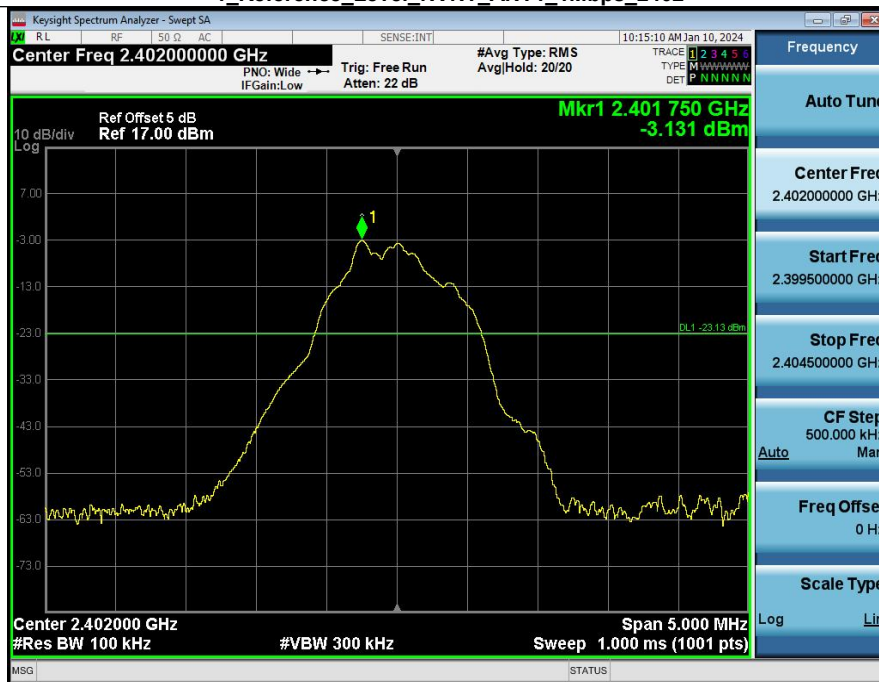
Power_Spectral_Density_NVNT_ANT1_1Mbps_2480



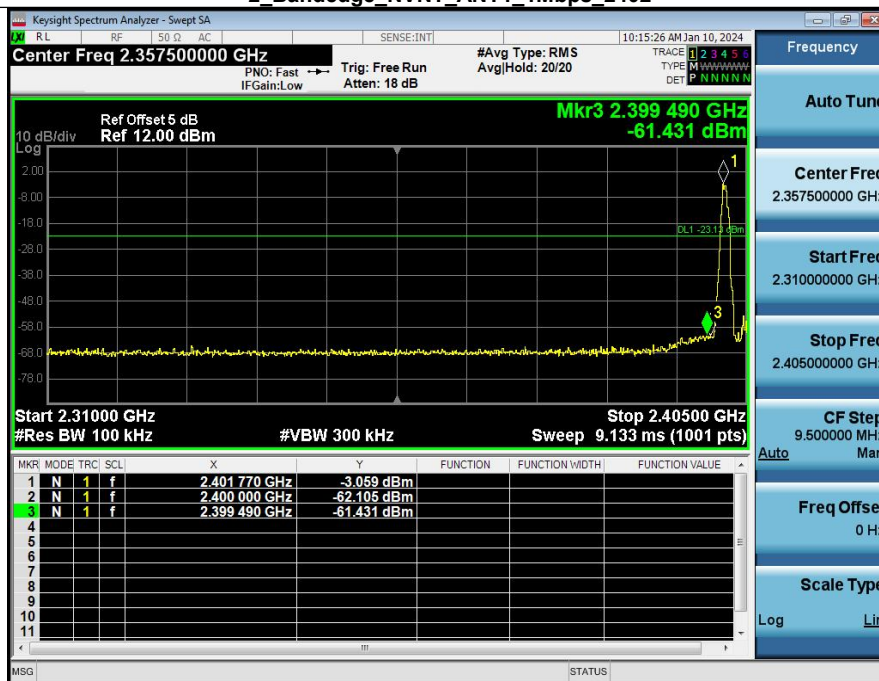
6. Bandedge

Condition	Antenna	Rate	TX_Frequency (MHz)	Max. Mark Frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402	2399.490	-61.431	-23.131	Pass
NVNT	ANT1	1Mbps	2480	2483.850	-61.016	-21.367	Pass

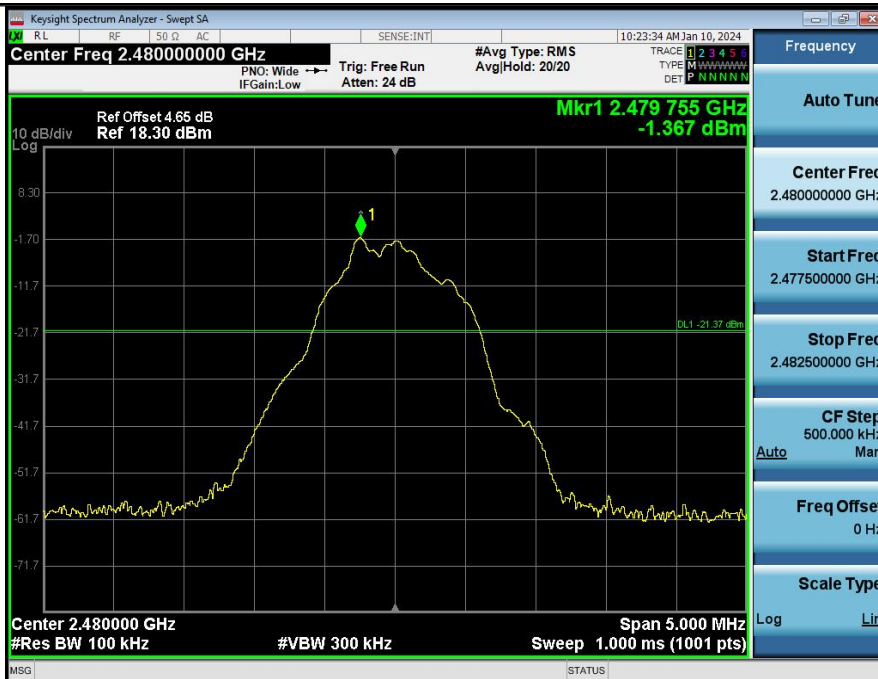
1_Reference_Level_NVNT_ANT1_1Mbps_2402



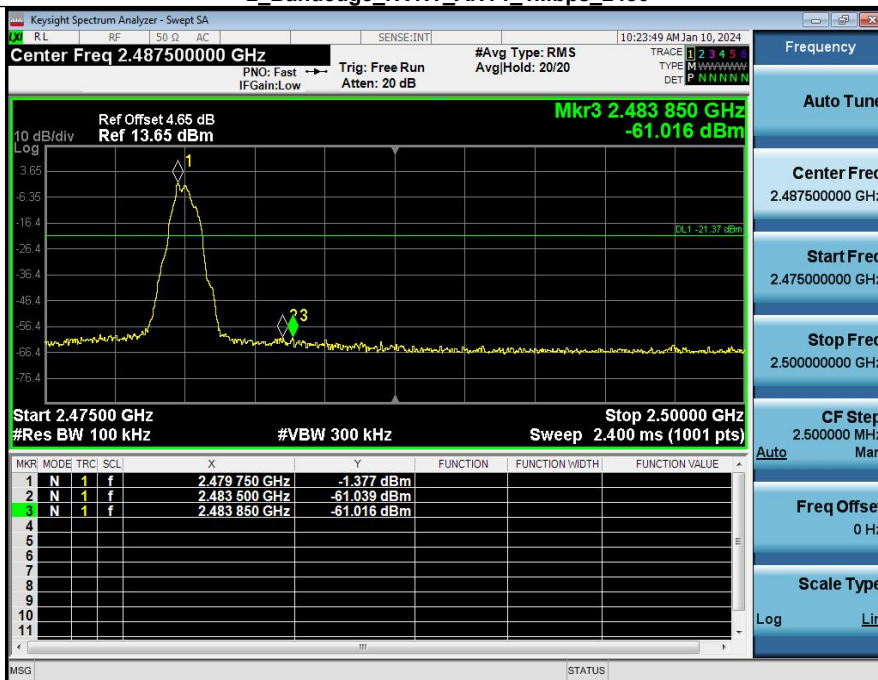
2_Bandedge_NVNT_ANT1_1Mbps_2402



1_Reference_Level_NVNT_ANT1_1Mbps_2480



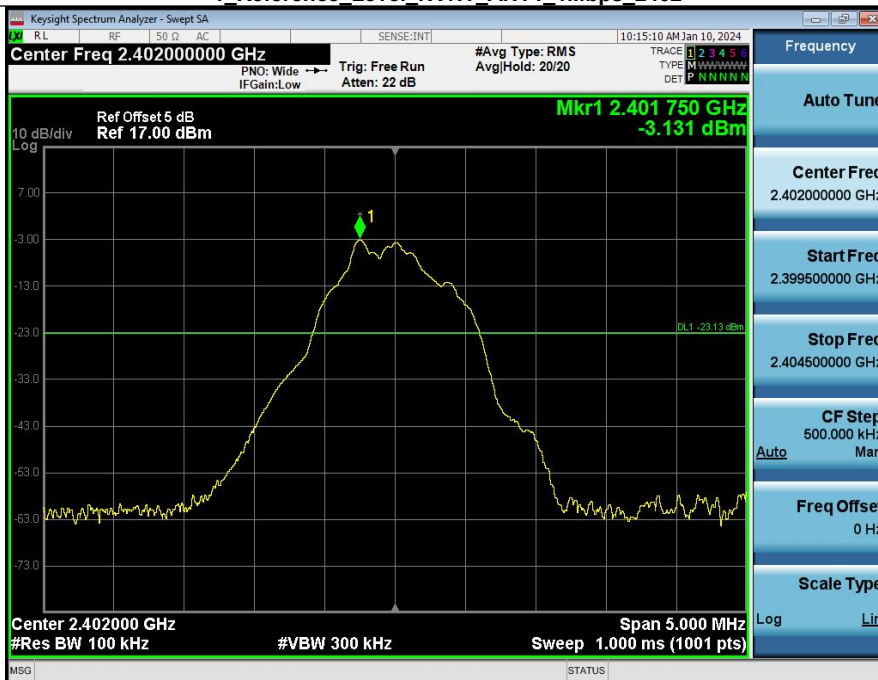
2_Bandedge_NVNT_ANT1_1Mbps_2480



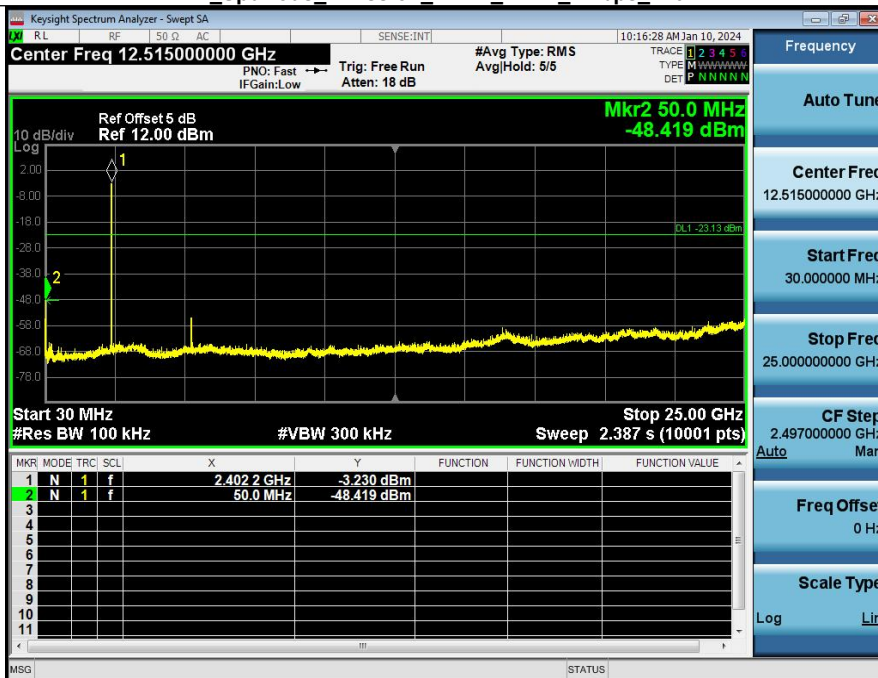
7. Spurious Emission

Condition	Antenna	Rate	TX_Frequency(MHz)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1Mbps	2402	-48.419	-23.131	Pass
NVNT	ANT1	1Mbps	2440.00	-48.024	-20.196	Pass
NVNT	ANT1	1Mbps	2480	-47.900	-21.367	Pass

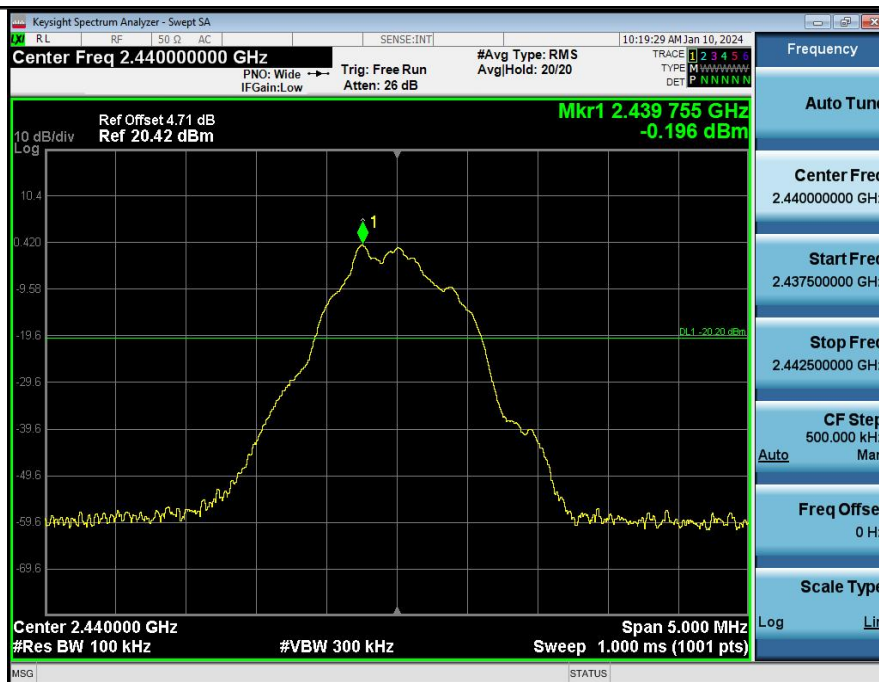
1 Reference_Level_NVNT_ANT1_1Mbps_2402



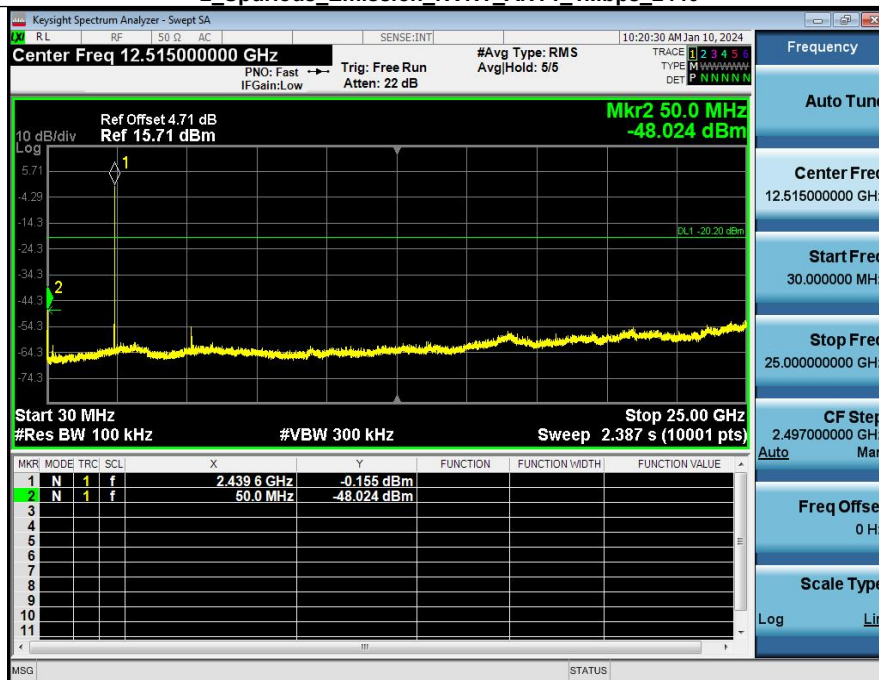
2_Spurious_Emission_NVNT_ANT1_1Mbps_2402



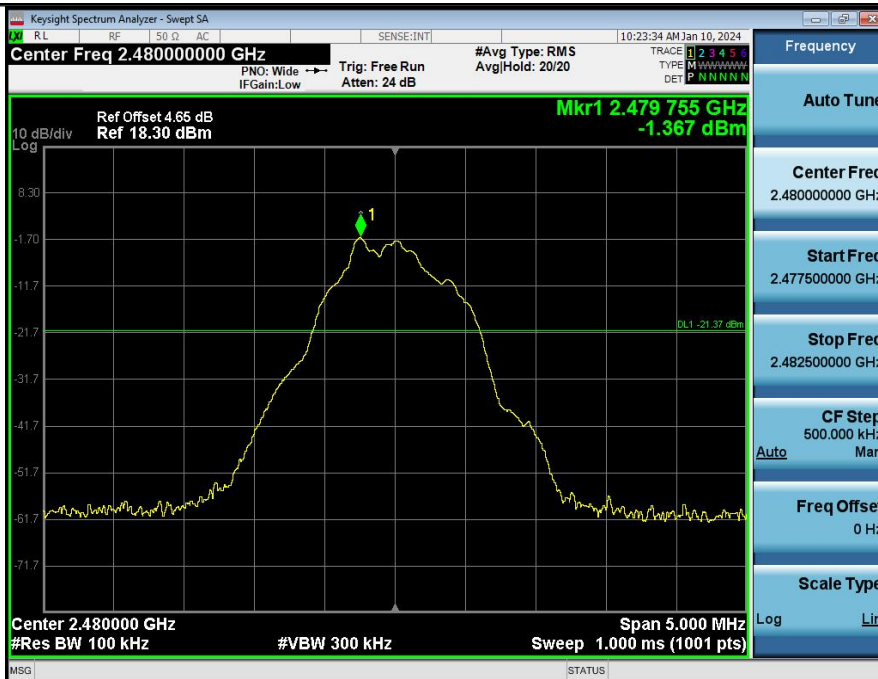
1_Reference_Level_NVNT_ANT1_1Mbps_2440



2_Spurious_Emission_NVNT_ANT1_1Mbps_2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480



2_Spurious_Emission_NVNT_ANT1_1Mbps_2480

