

FCC ID:2BVTH-H2

FCC_BLE (Part15.247) Test Data

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1. -6dB Bandwidth

	Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
Left ear	NVNT	ANT1	1Mbps	2402.00	508.86	500	Pass
	NVNT	ANT1	1Mbps	2440.00	509.01	500	Pass
	NVNT	ANT1	1Mbps	2480.00	506.81	500	Pass
	NVNT	ANT1	2Mbps	2402.00	841.42	500	Pass
	NVNT	ANT1	2Mbps	2440.00	846.47	500	Pass
	NVNT	ANT1	2Mbps	2480.00	845.45	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



	Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
Right ear	NVNT	ANT1	1Mbps	2402.00	503.63	500	Pass
	NVNT	ANT1	1Mbps	2440.00	509.34	500	Pass
	NVNT	ANT1	1Mbps	2480.00	509.51	500	Pass
	NVNT	ANT1	2Mbps	2402.00	846.80	500	Pass
	NVNT	ANT1	2Mbps	2440.00	838.28	500	Pass
	NVNT	ANT1	2Mbps	2480.00	843.54	500	Pass

-6dB_Bandwidth_NVNT_ANT1_1Mbps_2402



-6dB_Bandwidth_NVNT_ANT1_1Mbps_2440



-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	1.004
NVNT	ANT1	1Mbps	2440.00	1.004
NVNT	ANT1	1Mbps	2480.00	1.004
NVNT	ANT1	2Mbps	2402.00	1.993
NVNT	ANT1	2Mbps	2440.00	1.991
NVNT	ANT1	2Mbps	2480.00	1.996



99% Occupied Bandwidth NVNT_ANT1_1Mbps_2480



99% Occupied Bandwidth NVNT_ANT1_2Mbps_2402



99% Occupied Bandwidth NVNT_ANT1_2Mbps_2440

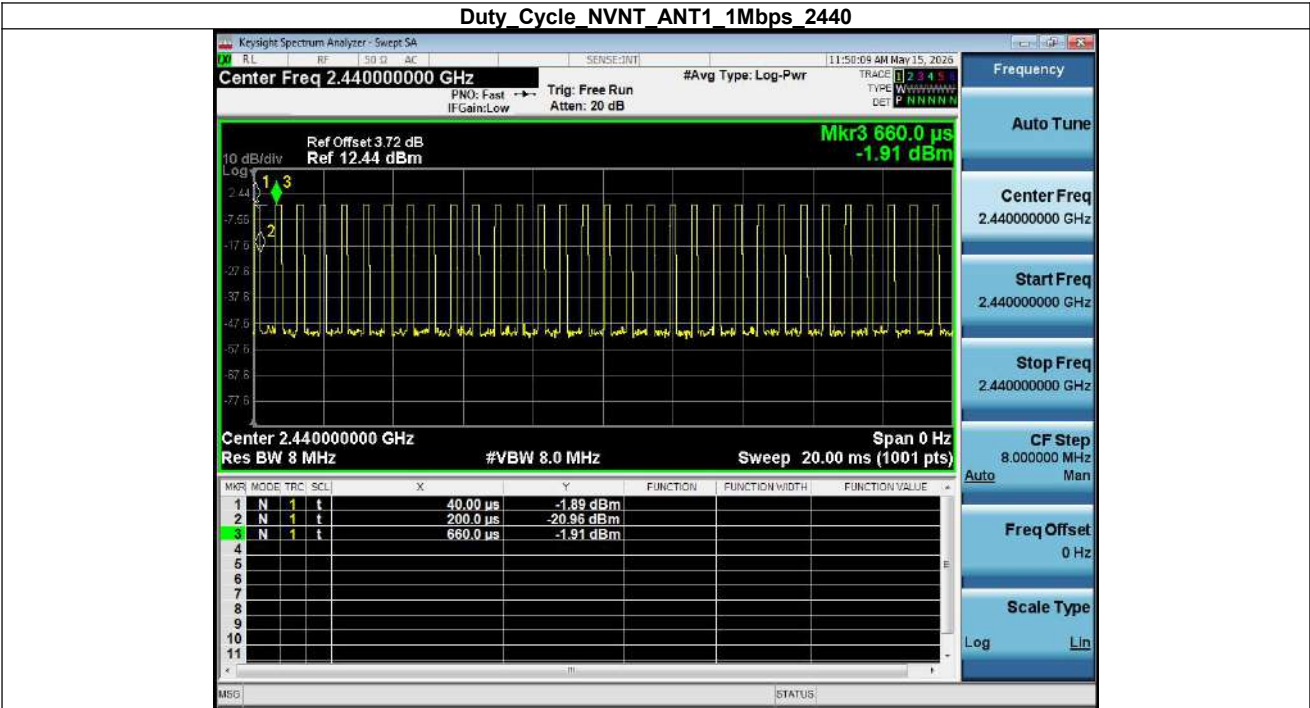
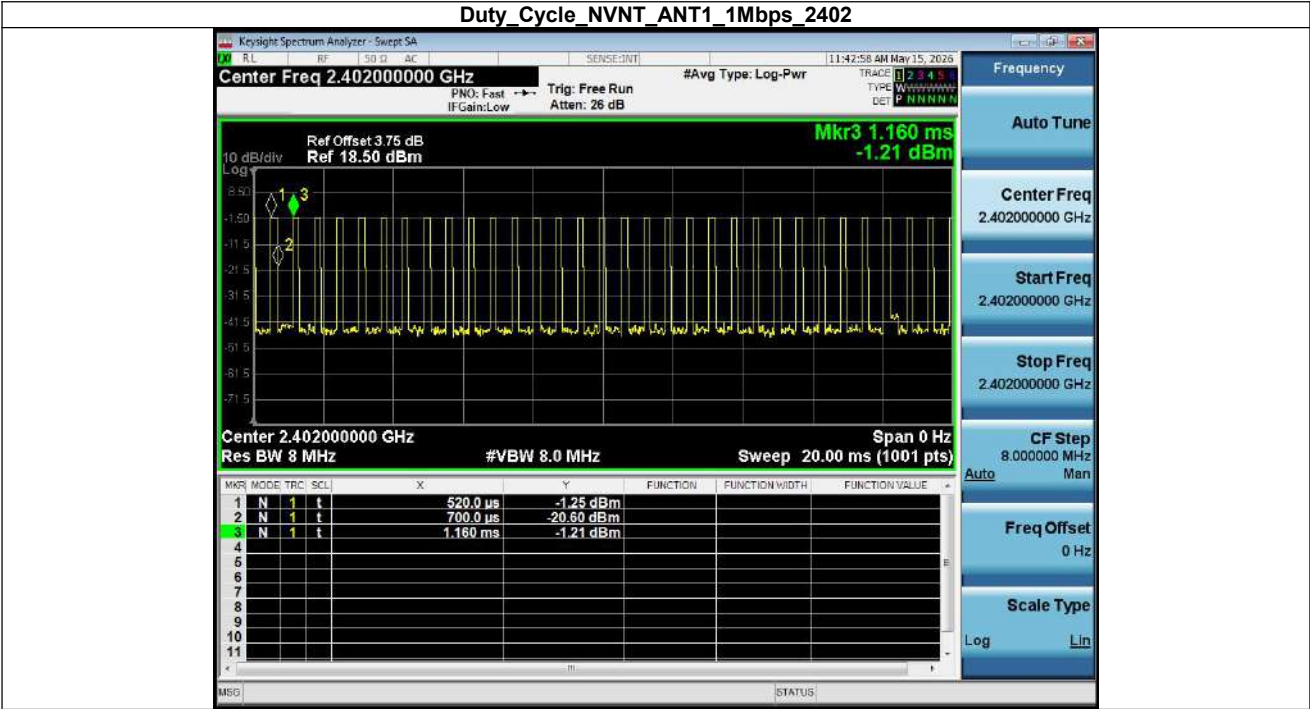


99% Occupied Bandwidth NVNT_ANT1_2Mbps_2480

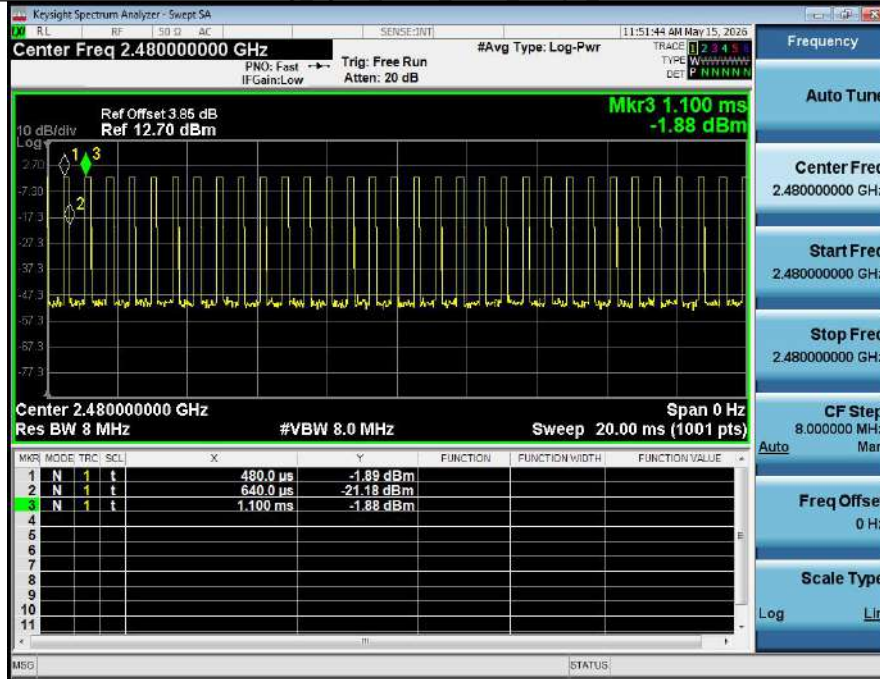


3. Duty Cycle

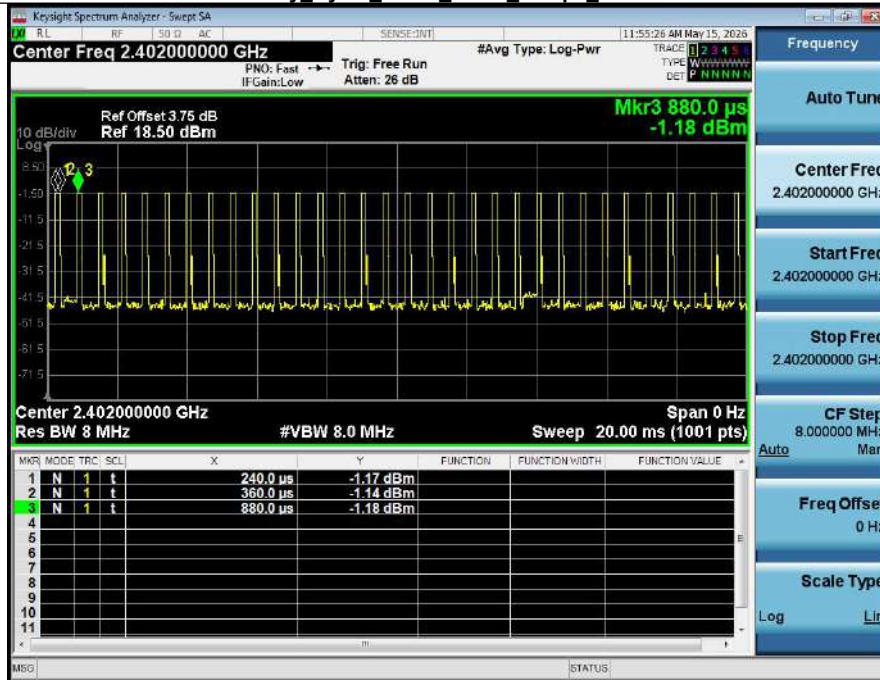
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1Mbps	2402.00	31.25	5.05
NVNT	ANT1	1Mbps	2440.00	25.81	5.88
NVNT	ANT1	1Mbps	2480.00	29.03	5.37
NVNT	ANT1	2Mbps	2402.00	18.75	7.27
NVNT	ANT1	2Mbps	2440.00	19.35	7.13
NVNT	ANT1	2Mbps	2480.00	19.35	7.13



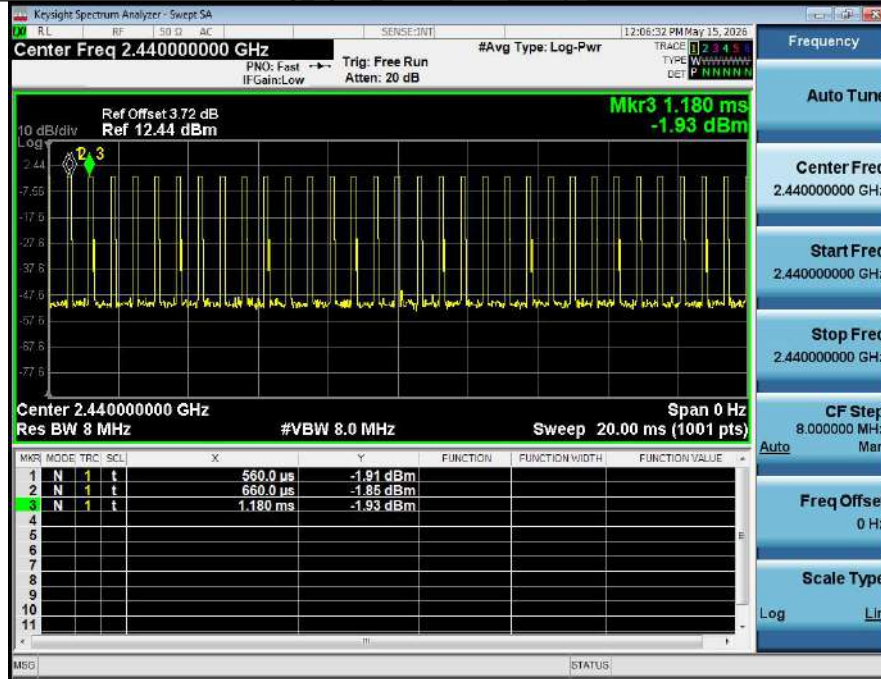
Duty Cycle NVNT_ANT1_1Mbps_2480



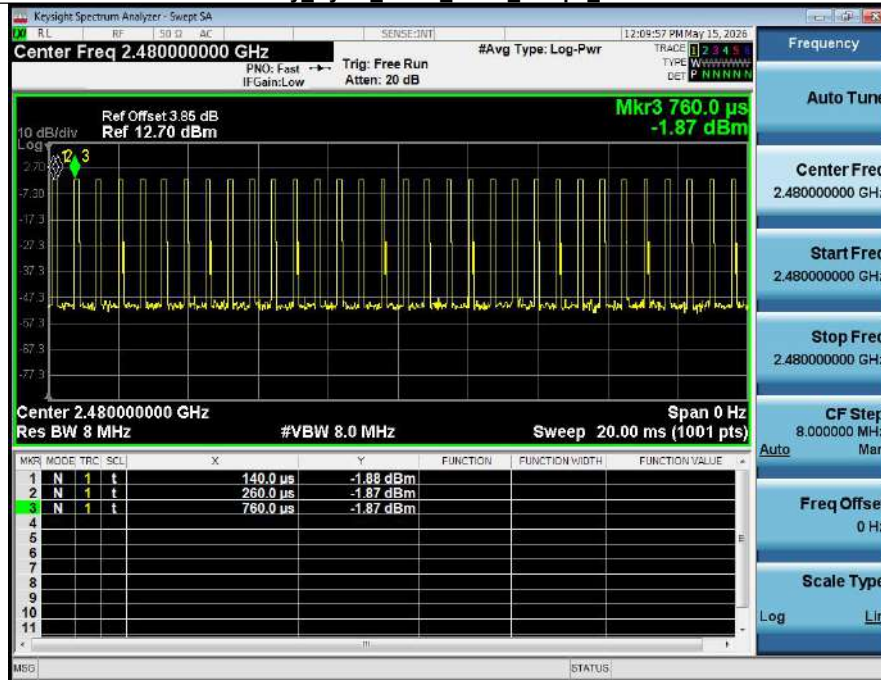
Duty Cycle NVNT_ANT1_2Mbps_2402



Duty Cycle NVNT_ANT1_2Mbps_2440



Duty Cycle NVNT_ANT1_2Mbps_2480



4. Peak Output Power

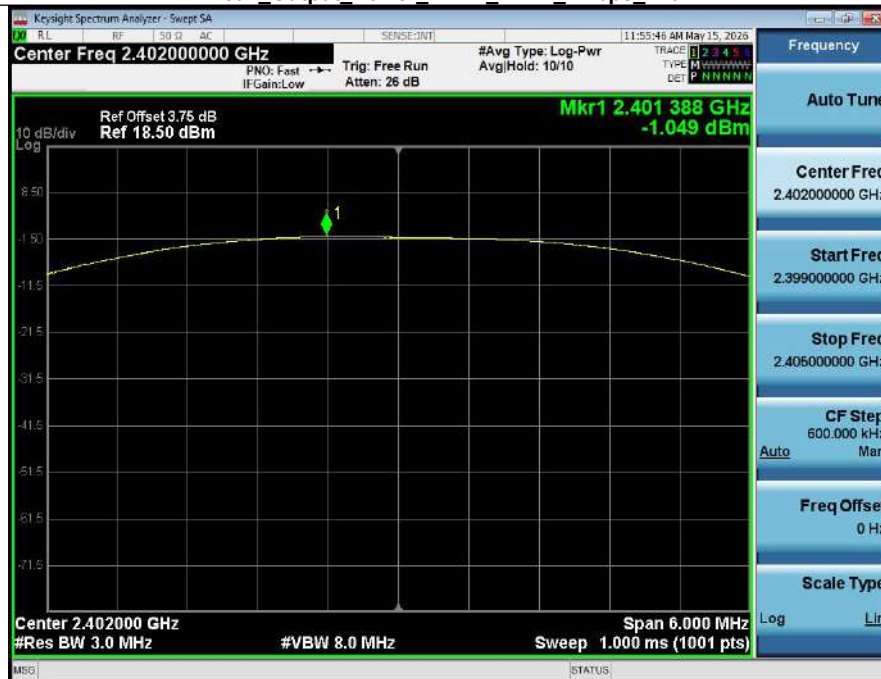
	Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
Left ear	NVNT	ANT1	1Mbps	2402.00	-1.15	0.77	1000	Pass
	NVNT	ANT1	1Mbps	2440.00	-1.73	0.67	1000	Pass
	NVNT	ANT1	1Mbps	2480.00	-1.86	0.65	1000	Pass
	NVNT	ANT1	2Mbps	2402.00	-1.05	0.79	1000	Pass
	NVNT	ANT1	2Mbps	2440.00	-1.79	0.66	1000	Pass
	NVNT	ANT1	2Mbps	2480.00	-1.67	0.68	1000	Pass



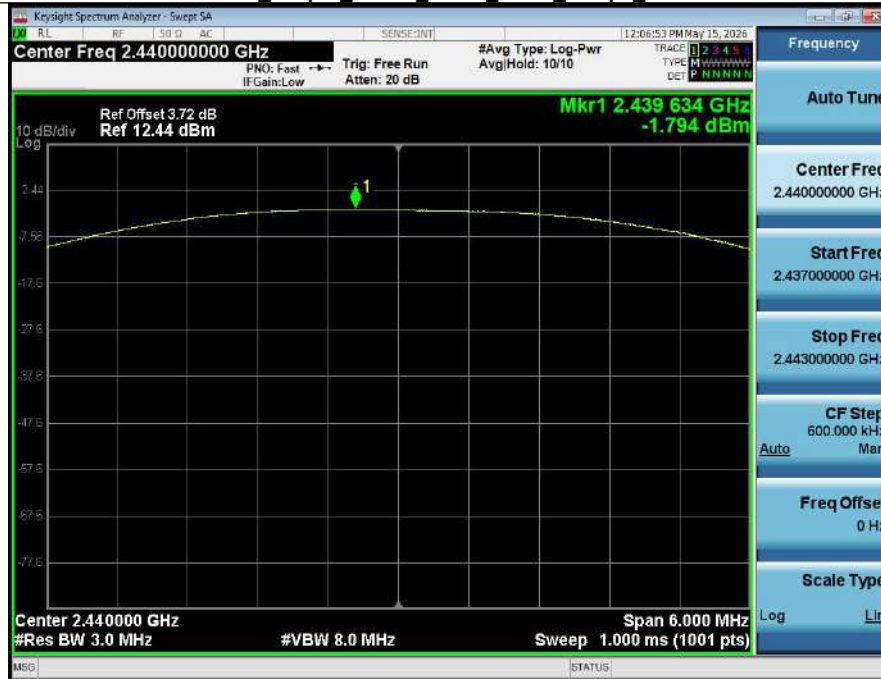
Peak Output Power NVNT_ANT1_1Mbps_2480



Peak Output Power NVNT_ANT1_2Mbps_2402



Peak Output Power NVNT_ANT1_2Mbps_2440



Peak Output Power NVNT_ANT1_2Mbps_2480

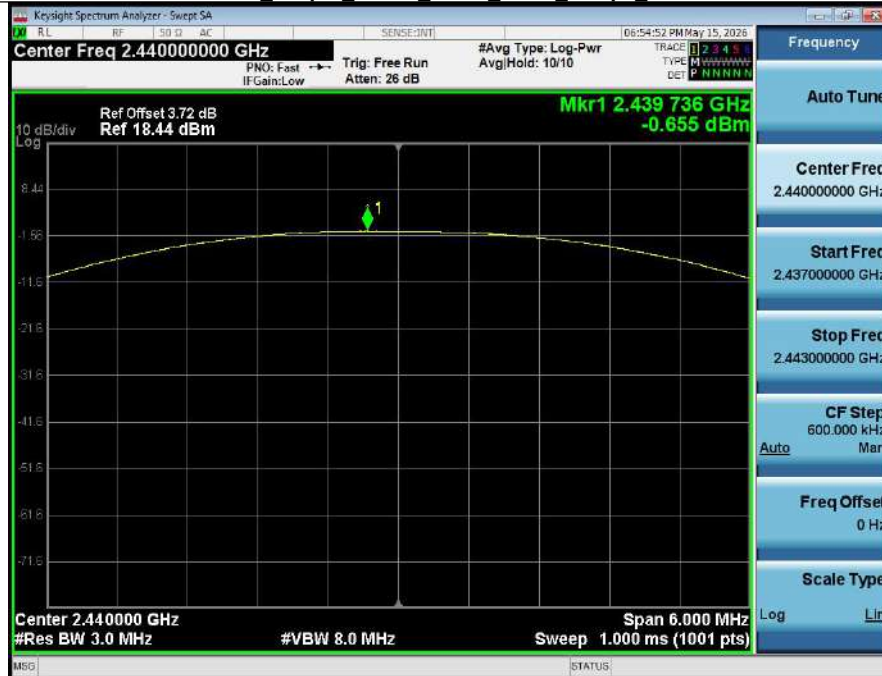


	Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
Right ear	NVNT	ANT1	1Mbps	2402.00	-0.36	0.92	1000	Pass
	NVNT	ANT1	1Mbps	2440.00	-0.66	0.86	1000	Pass
	NVNT	ANT1	1Mbps	2480.00	-3.07	0.49	1000	Pass
	NVNT	ANT1	2Mbps	2402.00	0.22	1.05	1000	Pass
	NVNT	ANT1	2Mbps	2440.00	-0.31	0.93	1000	Pass
	NVNT	ANT1	2Mbps	2480.00	-0.99	0.80	1000	Pass

Peak Output Power NVNT ANT1 1Mbps 2402



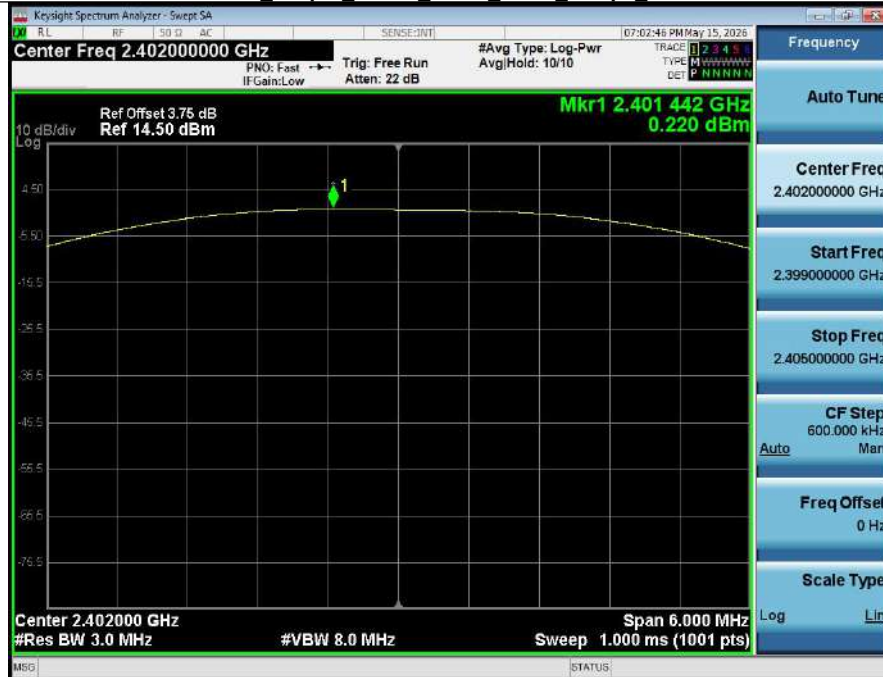
Peak Output Power NVNT ANT1 1Mbps 2440



Peak Output Power NVNT ANT1 1Mbps 2480



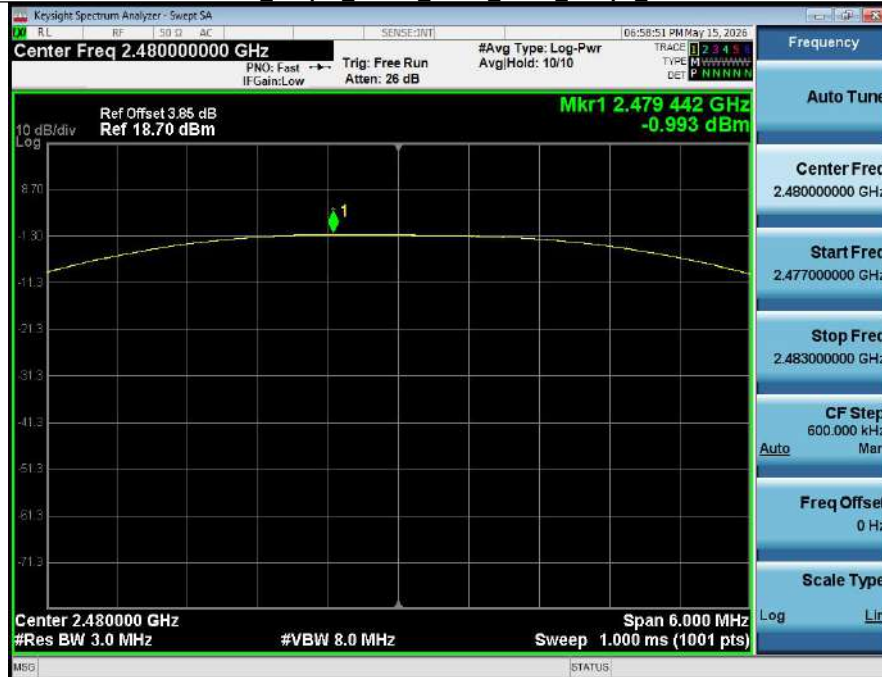
Peak Output Power NVNT ANT1 2Mbps 2402



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	-11.12	8	Pass
NVNT	ANT1	1Mbps	2440.00	-12.29	8	Pass
NVNT	ANT1	1Mbps	2480.00	-11.81	8	Pass
NVNT	ANT1	2Mbps	2402.00	-11.56	8	Pass
NVNT	ANT1	2Mbps	2440.00	-12.80	8	Pass
NVNT	ANT1	2Mbps	2480.00	-12.29	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	2396.735	-1.205	-49.535	-21.205	Pass
NVNT	ANT1	1Mbps	2480.00	2483.525	-1.922	-53.048	-21.922	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	-1.164	-34.138	-21.164	Pass
NVNT	ANT1	2Mbps	2480.00	2484.025	-1.966	-55.431	-21.966	Pass

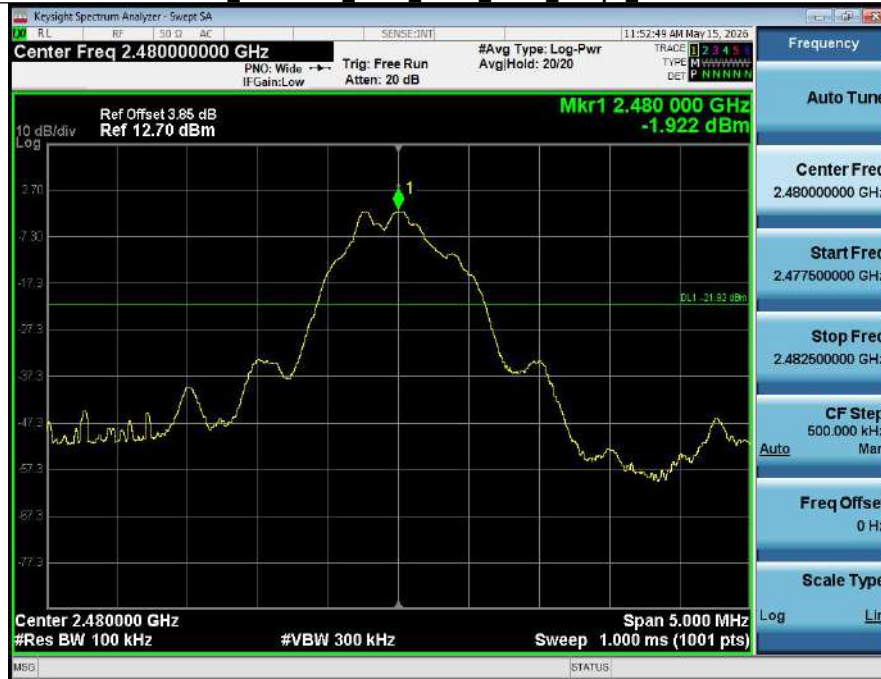
1_Reference_Level_NVNT_ANT1_1Mbps_2402



2_Bandedge_NVNT_ANT1_1Mbps_2402



1 Reference_Level_NVNT_ANT1_1Mbps_2480



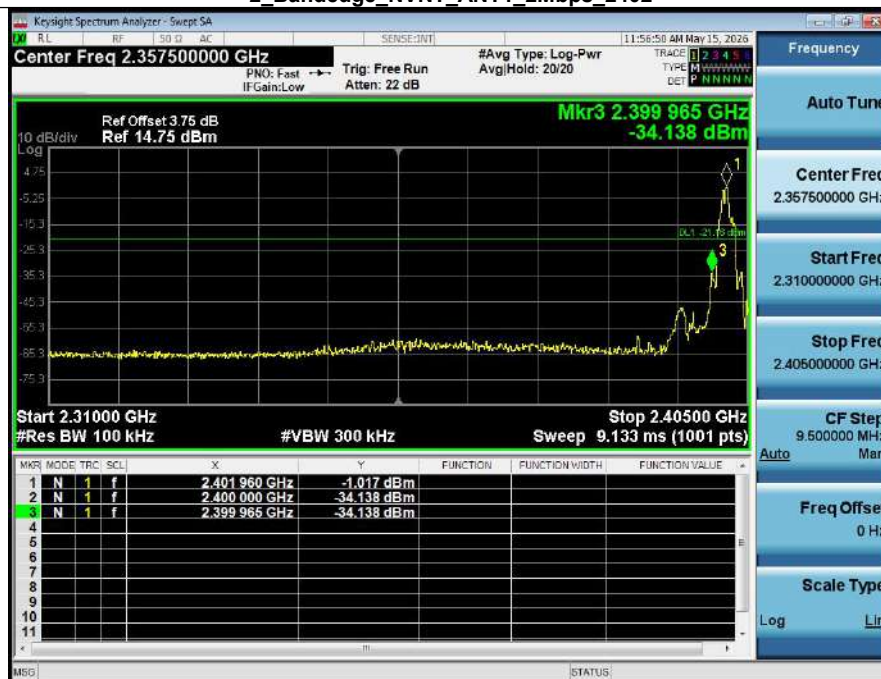
2 Bandedge_NVNT_ANT1_1Mbps_2480



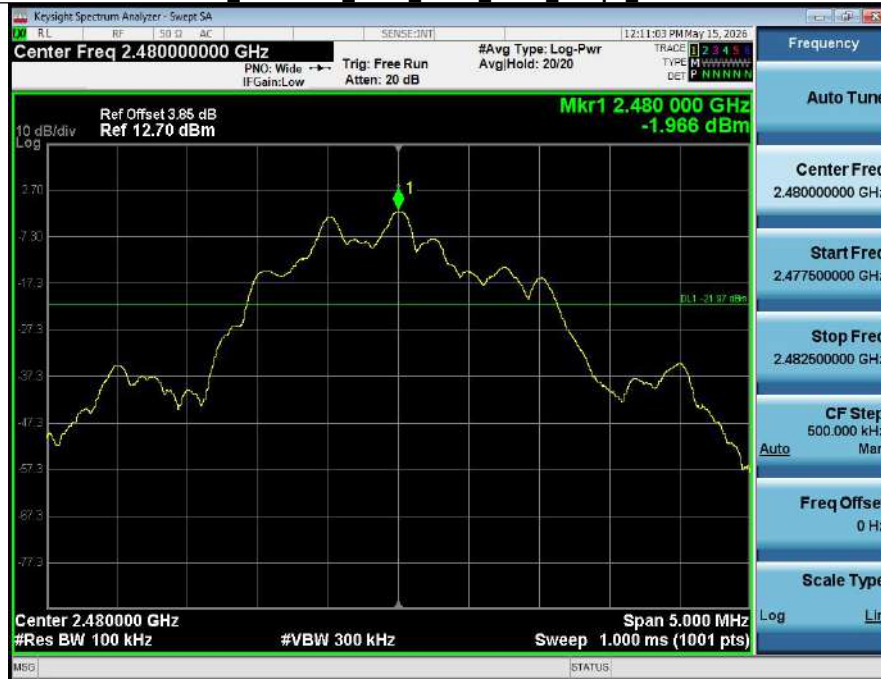
1 Reference_Level_NVNT_ANT1_2Mbps_2402



2 Bandedge_NVNT_ANT1_2Mbps_2402



1 Reference_Level_NVNT_ANT1_2Mbps_2480



2 Bandedge_NVNT_ANT1_2Mbps_2480



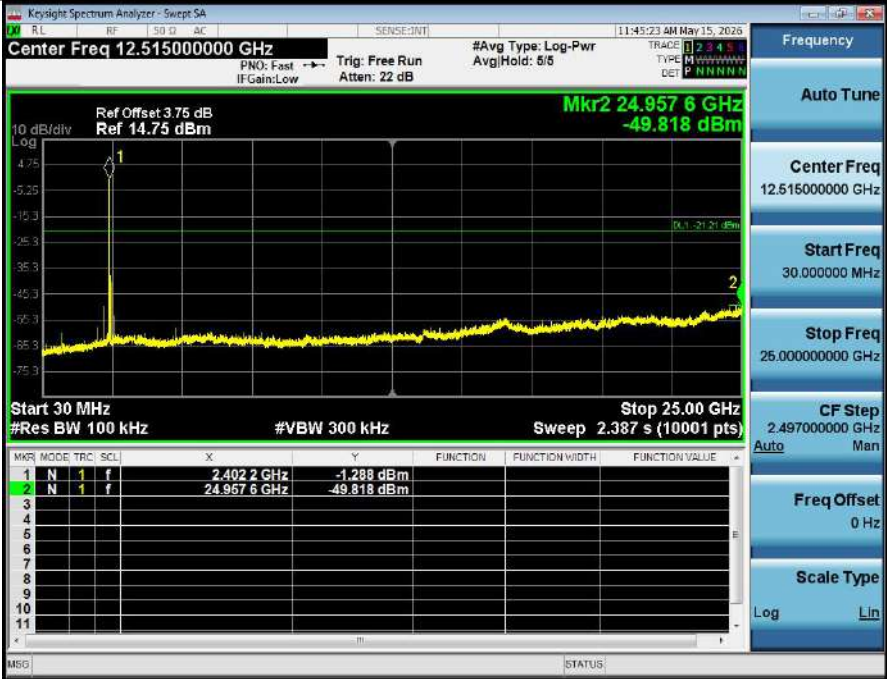
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	-1.205	-49.818	-21.205	Pass
NVNT	ANT1	1Mbps	2440.00	-1.883	-37.204	-21.883	Pass
NVNT	ANT1	1Mbps	2480.00	-1.922	-48.602	-21.922	Pass
NVNT	ANT1	2Mbps	2402.00	-1.164	-49.426	-21.164	Pass
NVNT	ANT1	2Mbps	2440.00	-1.938	-49.550	-21.938	Pass
NVNT	ANT1	2Mbps	2480.00	-1.966	-48.528	-21.966	Pass

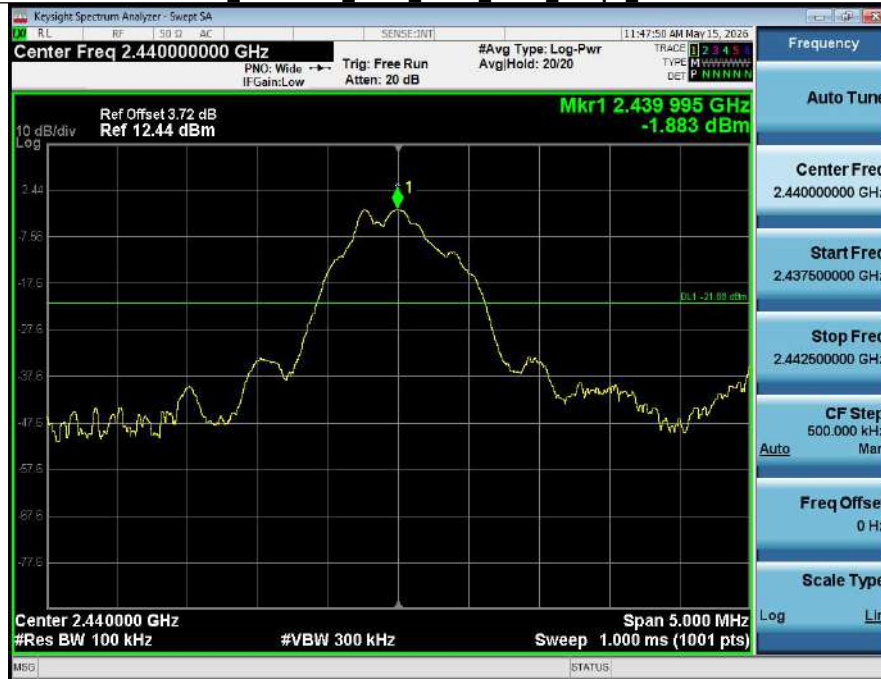
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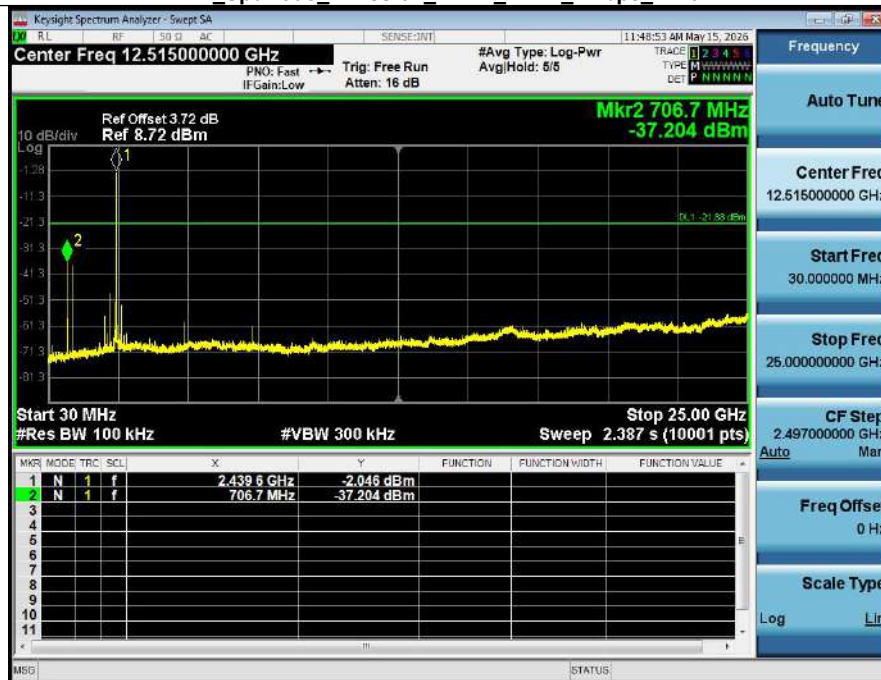
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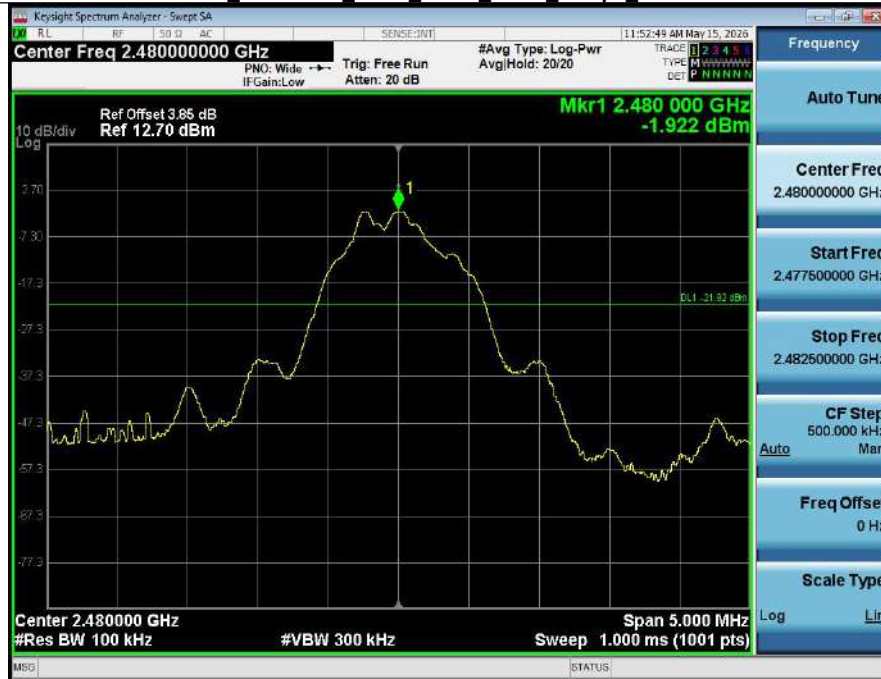
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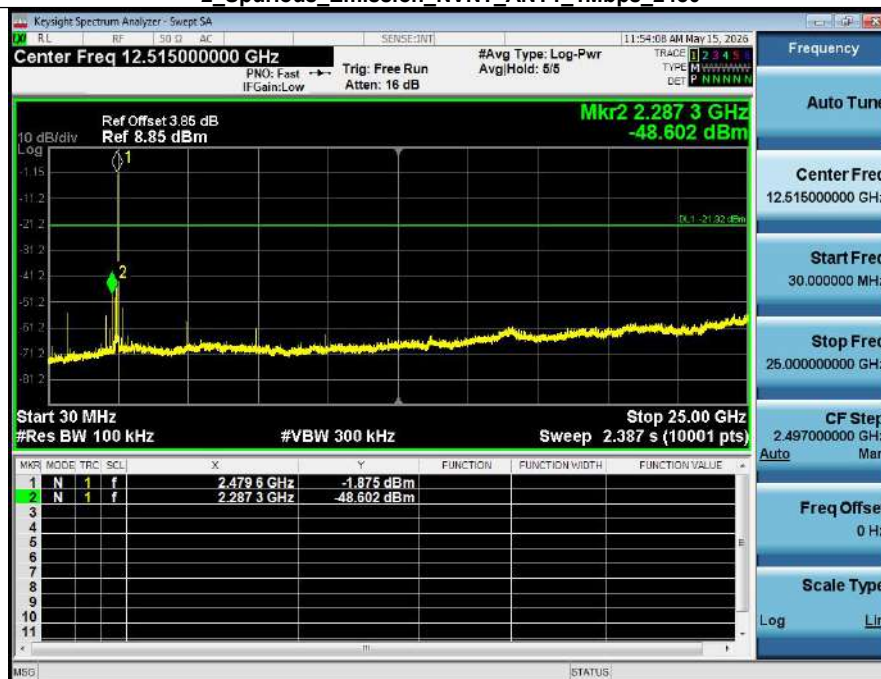
2 Spurious Emission NVNT ANT1_1Mbps_2440



1 Reference Level NVNT ANT1_1Mbps_2480



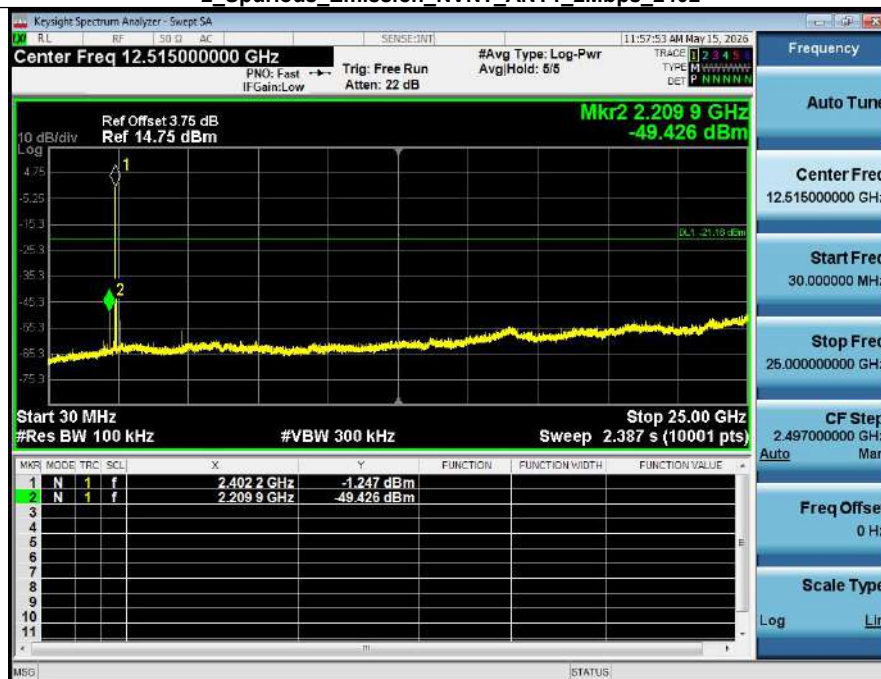
2 Spurious Emission NVNT ANT1_1Mbps_2480



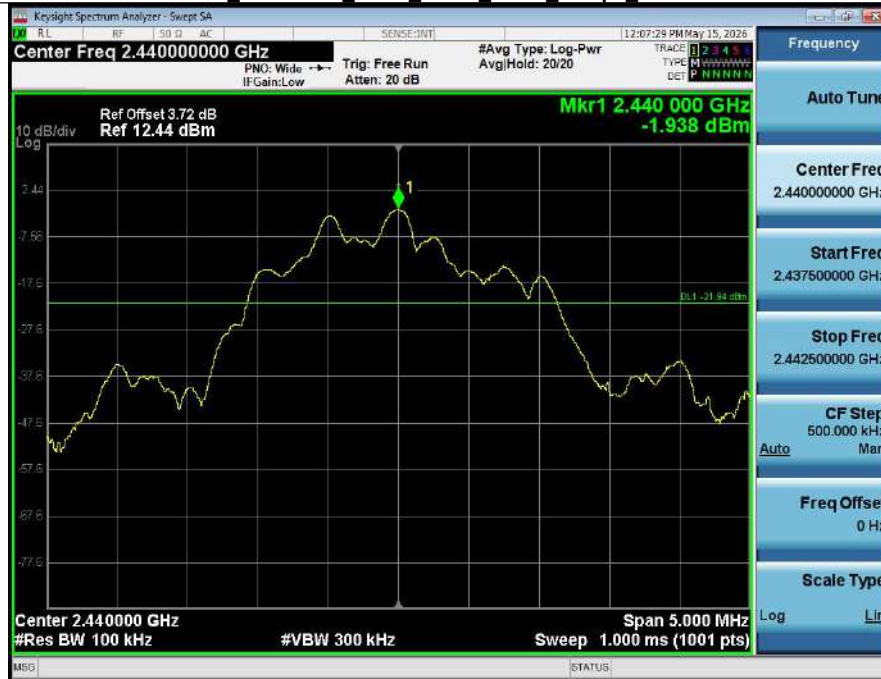
1 Reference Level NVNT ANT1_2Mbps_2402



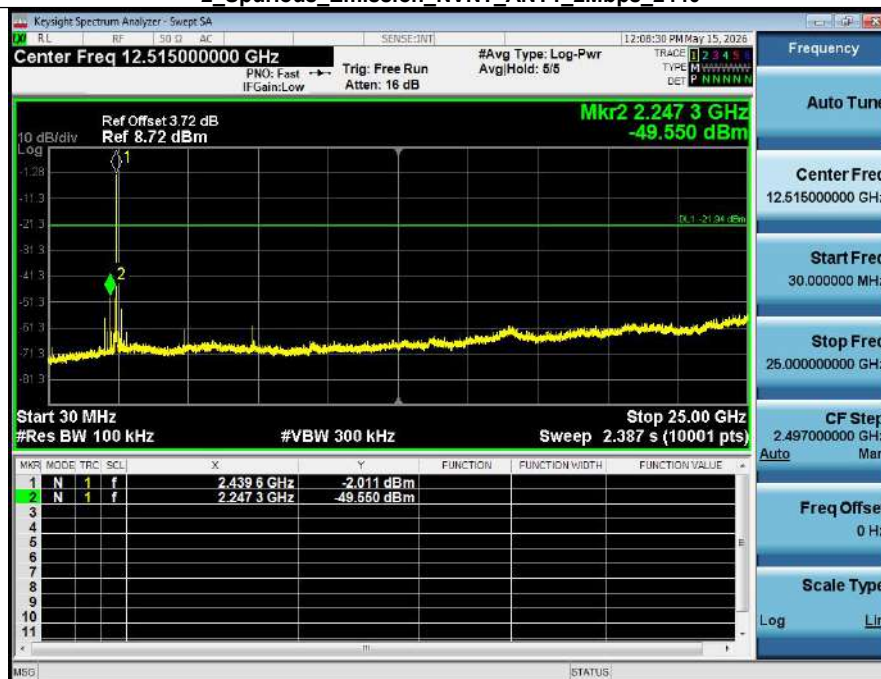
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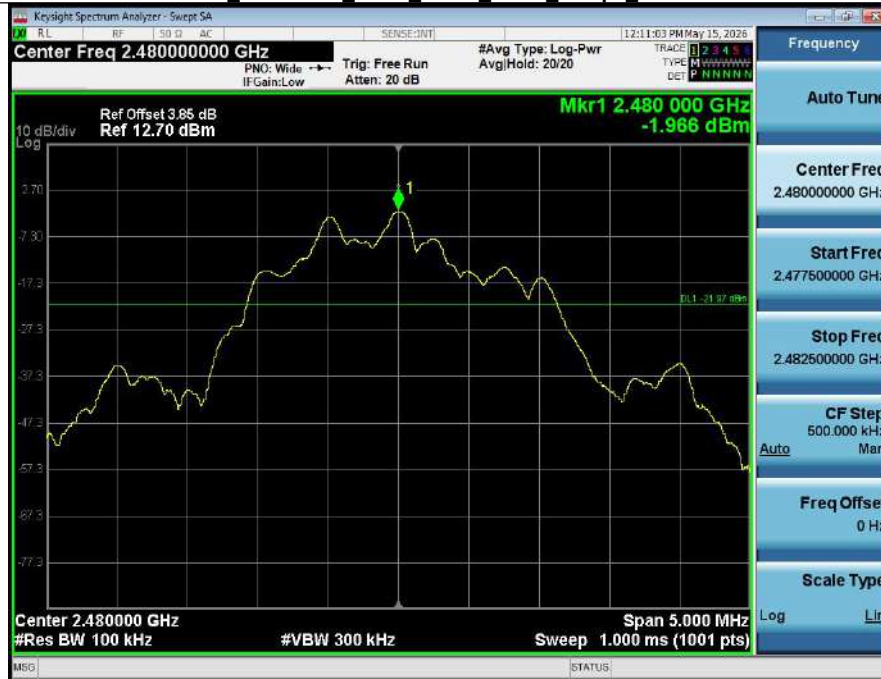
1 Reference Level NVNT ANT1_2Mbps_2440



2 Spurious Emission NVNT ANT1_2Mbps_2440



1 Reference Level NVNT ANT1_2Mbps_2480



2 Spurious Emission NVNT ANT1_2Mbps_2480

