11.3. MAX. OUTPUT POWER

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	14.43	30.00	Pass
NVNT	ANT1	802.11b	2437.00	14.11	30.00	Pass
NVNT	ANT1	802.11b	2462.00	14.56	30.00	Pass
NVNT	ANT1	802.11g	2412.00	14.46	30.00	Pass
NVNT	ANT1	802.11g	2437.00	14.05	30.00	Pass
NVNT	ANT1	802.11g	2462.00	14.40	30.00	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	12.96	30.00	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	12.71	30.00	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	12.84	30.00	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	12.62	30.00	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	12.37	30.00	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	12.29	30.00	Pass

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT2	802.11b	2412.00	14.94	30.00	Pass
NVNT	ANT2	802.11b	2437.00	14.06	30.00	Pass
NVNT	ANT2	802.11b	2462.00	14.85	30.00	Pass
NVNT	ANT2	802.11g	2412.00	14.59	30.00	Pass
NVNT	ANT2	802.11g	2437.00	13.66	30.00	Pass
NVNT	ANT2	802.11g	2462.00	14.30	30.00	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	13.35	30.00	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	12.37	30.00	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	13.02	30.00	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	12.91	30.00	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	12.29	30.00	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	12.25	30.00	Pass

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT3	802.11b	2412.00	14.38	30.00	Pass
NVNT	ANT3	802.11b	2437.00	13.34	30.00	Pass
NVNT	ANT3	802.11b	2462.00	14.06	30.00	Pass
NVNT	ANT3	802.11g	2412.00	13.83	30.00	Pass
NVNT	ANT3	802.11g	2437.00	12.81	30.00	Pass
NVNT	ANT3	802.11g	2462.00	14.01	30.00	Pass
NVNT	ANT3	802.11n(HT20)	2412.00	12.58	30.00	Pass
NVNT	ANT3	802.11n(HT20)	2437.00	11.34	30.00	Pass
NVNT	ANT3	802.11n(HT20)	2462.00	12.57	30.00	Pass
NVNT	ANT3	802.11n(HT40)	2422.00	12.04	30.00	Pass
NVNT	ANT3	802.11n(HT40)	2437.00	11.27	30.00	Pass
NVNT	ANT3	802.11n(HT40)	2452.00	11.20	30.00	Pass

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT4	802.11b	2412.00	15.07	30.00	Pass
NVNT	ANT4	802.11b	2437.00	14.35	30.00	Pass
NVNT	ANT4	802.11b	2462.00	15.03	30.00	Pass
NVNT	ANT4	802.11g	2412.00	14.76	30.00	Pass
NVNT	ANT4	802.11g	2437.00	14.30	30.00	Pass
NVNT	ANT4	802.11g	2462.00	14.64	30.00	Pass
NVNT	ANT4	802.11n(HT20)	2412.00	13.28	30.00	Pass
NVNT	ANT4	802.11n(HT20)	2437.00	12.76	30.00	Pass
NVNT	ANT4	802.11n(HT20)	2462.00	13.15	30.00	Pass
NVNT	ANT4	802.11n(HT40)	2422.00	12.78	30.00	Pass
NVNT	ANT4	802.11n(HT40)	2437.00	12.38	30.00	Pass
NVNT	ANT4	802.11n(HT40)	2452.00	12.43	30.00	Pass

Condition	Antenna	Modulation	Frequency (MHz)	MIMO Power(dBm)	limit(dBm)	Result
NVNT	MIMO	802.11n(HT20)	2412.00	19.07	26.09	Pass
NVNT	MIMO	802.11n(HT20)	2437.00	18.35	26.09	Pass
NVNT	MIMO	802.11n(HT20)	2462.00	18.92	26.09	Pass
NVNT	MIMO	802.11n(HT40)	2422.00	18.62	26.09	Pass
NVNT	MIMO	802.11n(HT40)	2437.00	18.12	26.09	Pass
NVNT	MIMO	802.11n(HT40)	2452.00	18.09	26.09	Pass

Note: MIMO Gain is 6.9 dBi > 6dBi,So MIMO LIMIT=30-(MIMO Gain -6) =30-(9.91-6)= 26.09dBm

11.4. POWER SPECTRAL DENSITY

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-0.71	8.00	Pass
NVNT	ANT1	802.11b	2437.00	-13.27	8.00	Pass
NVNT	ANT1	802.11b	2462.00	-12.34	8.00	Pass
NVNT	ANT1	802.11g	2412.00	-20.11	8.00	Pass
NVNT	ANT1	802.11g	2437.00	-20.74	8.00	Pass
NVNT	ANT1	802.11g	2462.00	-20.24	8.00	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-19.39	8.00	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-20.77	8.00	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-20.65	8.00	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-23.08	8.00	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-23.69	8.00	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-22.79	8.00	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT2	802.11b	2412.00	-0.68	8.00	Pass
NVNT	ANT2	802.11b	2437.00	-6.86	8.00	Pass
NVNT	ANT2	802.11b	2462.00	-7.67	8.00	Pass
NVNT	ANT2	802.11g	2412.00	-19.62	8.00	Pass
NVNT	ANT2	802.11g	2437.00	-21.45	8.00	Pass
NVNT	ANT2	802.11g	2462.00	-20.57	8.00	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	-20.31	8.00	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	-21.51	8.00	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	-19.64	8.00	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	-22.81	8.00	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	-22.87	8.00	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	-23.34	8.00	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT3	802.11b	2412.00	-13.85	8	Pass
NVNT	ANT3	802.11b	2437.00	-2.58	8	Pass
NVNT	ANT3	802.11b	2462.00	-3.96	8	Pass
NVNT	ANT3	802.11g	2412.00	-20.88	8	Pass
NVNT	ANT3	802.11g	2437.00	-22.05	8	Pass
NVNT	ANT3	802.11g	2462.00	-20.46	8	Pass
NVNT	ANT3	802.11n(HT20)	2412.00	-21.48	8	Pass
NVNT	ANT3	802.11n(HT20)	2437.00	-22.05	8	Pass
NVNT	ANT3	802.11n(HT20)	2462.00	-21.09	8	Pass
NVNT	ANT3	802.11n(HT40)	2422.00	-23.55	8	Pass
NVNT	ANT3	802.11n(HT40)	2437.00	-24.64	8	Pass
NVNT	ANT3	802.11n(HT40)	2452.00	-23.83	8	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT4	802.11b	2412.00	-3.19	8	Pass
NVNT	ANT4	802.11b	2437.00	-0.66	8	Pass
NVNT	ANT4	802.11b	2462.00	-7.70	8	Pass
NVNT	ANT4	802.11g	2412.00	-19.54	8	Pass
NVNT	ANT4	802.11g	2437.00	-19.76	8	Pass
NVNT	ANT4	802.11g	2462.00	-19.84	8	Pass
NVNT	ANT4	802.11n(HT20)	2412.00	-19.71	8	Pass
NVNT	ANT4	802.11n(HT20)	2437.00	-20.36	8	Pass
NVNT	ANT4	802.11n(HT20)	2462.00	-19.71	8	Pass
NVNT	ANT4	802.11n(HT40)	2422.00	-22.56	8	Pass
NVNT	ANT4	802.11n(HT40)	2437.00	-22.77	8	Pass
NVNT	ANT4	802.11n(HT40)	2452.00	-23.19	8	Pass

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	MIMO	802.11n(HT20)	2412.00	-14.13	4.09	Pass
NVNT	MIMO	802.11n(HT20)	2437.00	-15.10	4.09	Pass
NVNT	MIMO	802.11n(HT20)	2462.00	-14.21	4.09	Pass
NVNT	MIMO	802.11n(HT40)	2422.00	-16.96	4.09	Pass
NVNT	MIMO	802.11n(HT40)	2437.00	-17.41	4.09	Pass
NVNT	MIMO	802.11n(HT40)	2452.00	-17.25	4.09	Pass

Note: MIMO Gain is 6.9 dBi > 6dBi,So MIMO LIMIT=8-(MIMO Gain -6) =8- 3.91=4.09dBm

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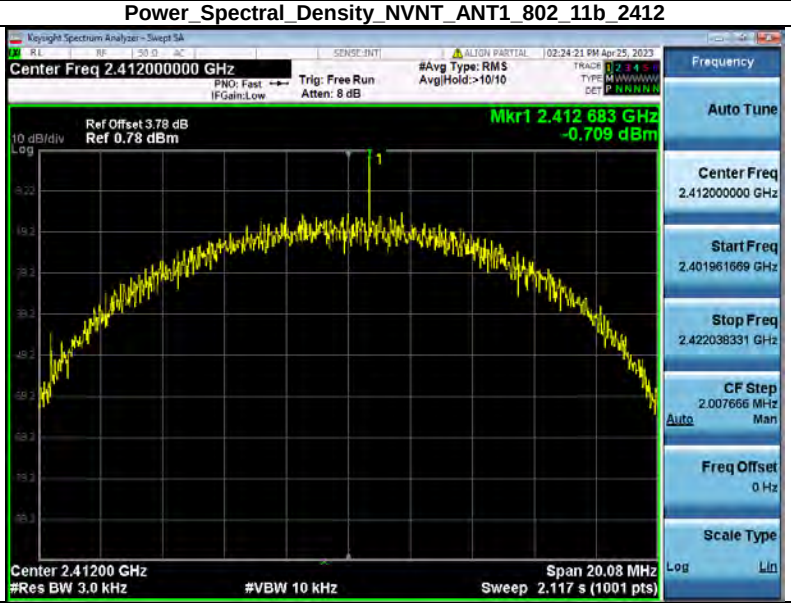

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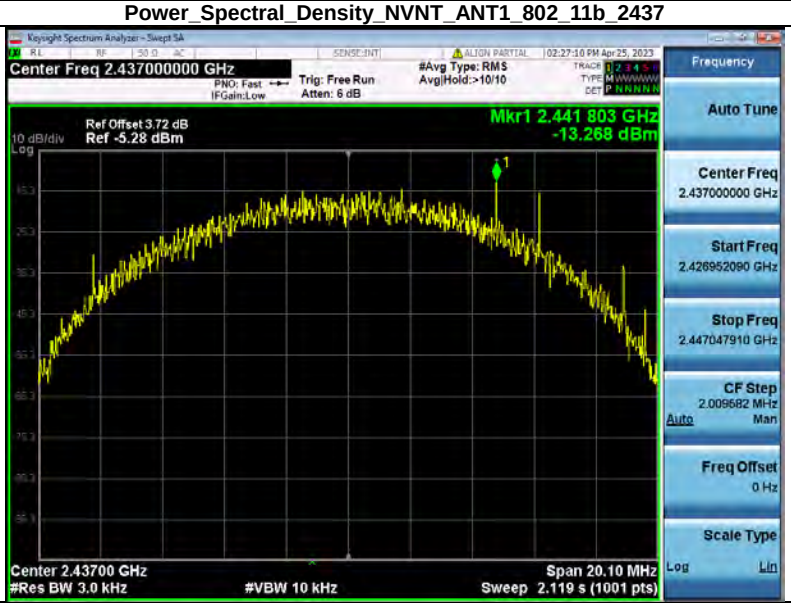

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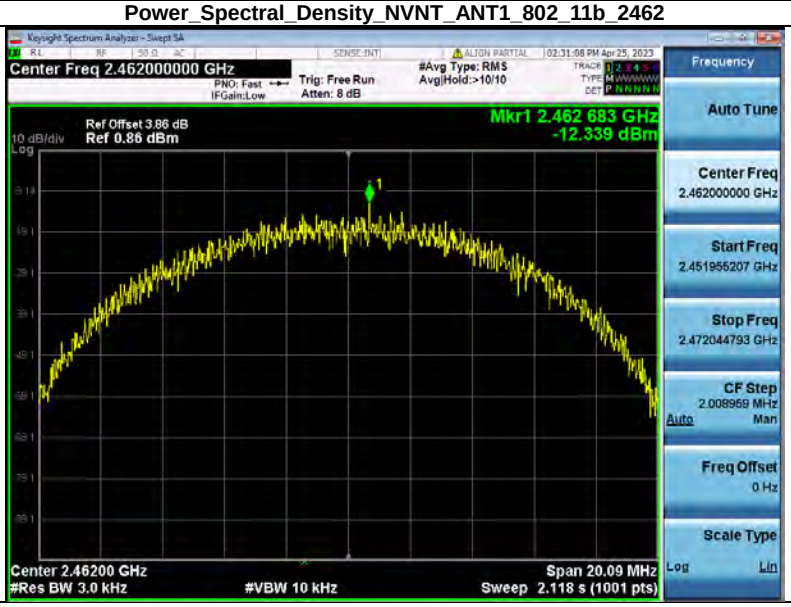

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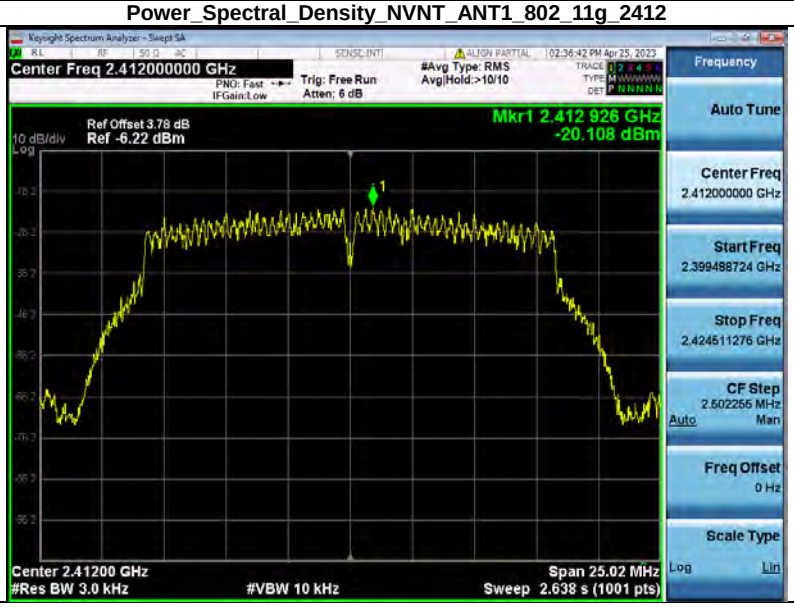

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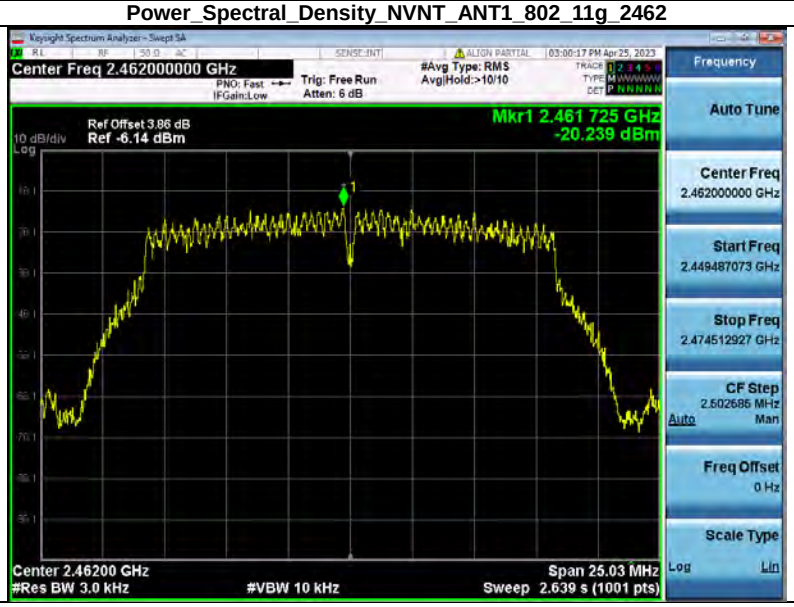

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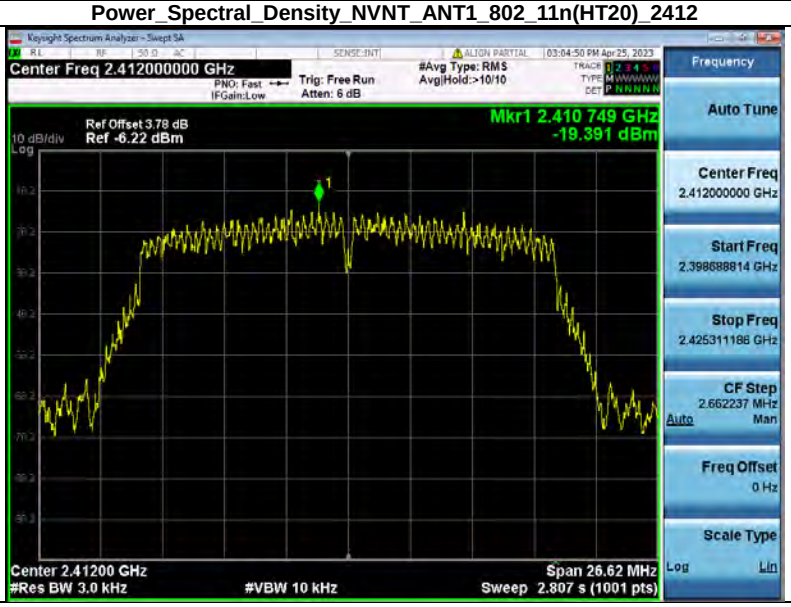

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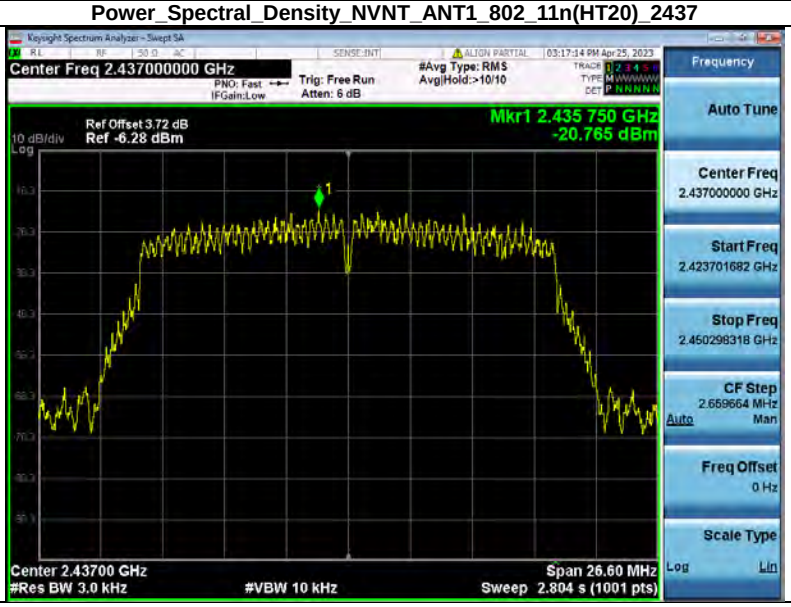

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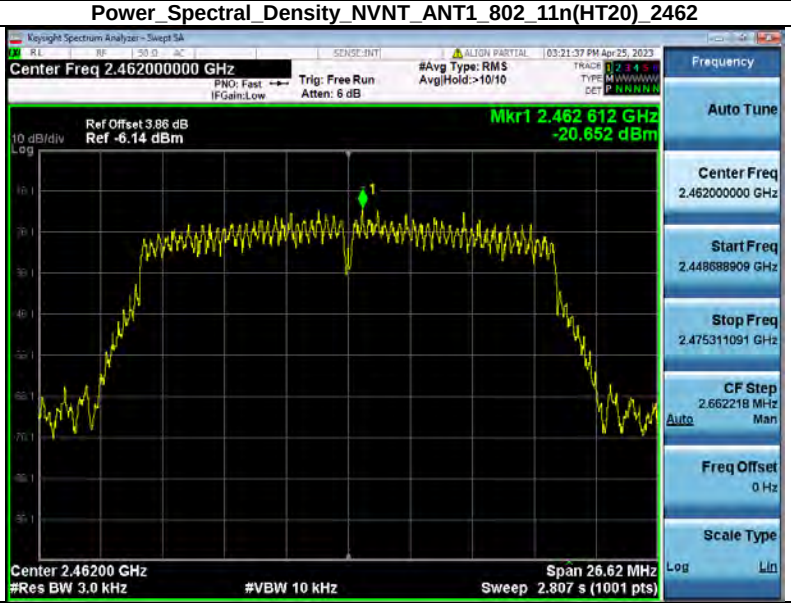

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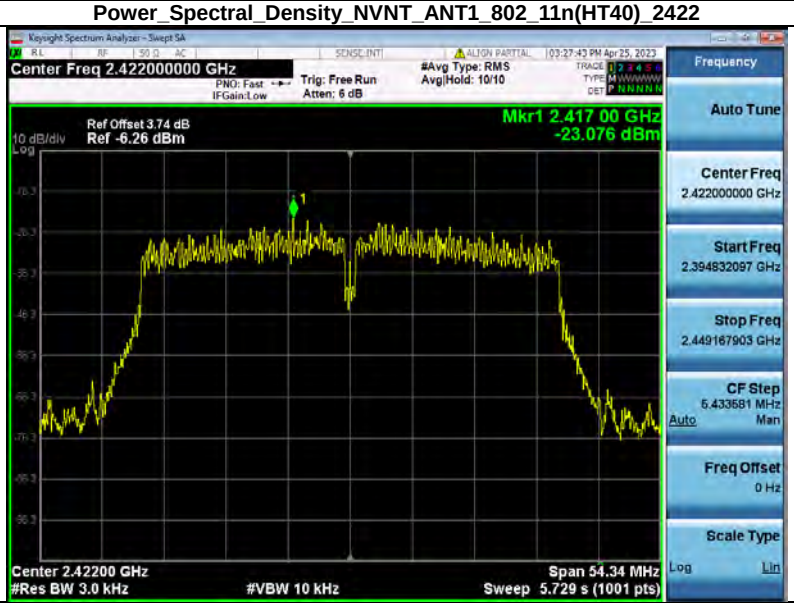

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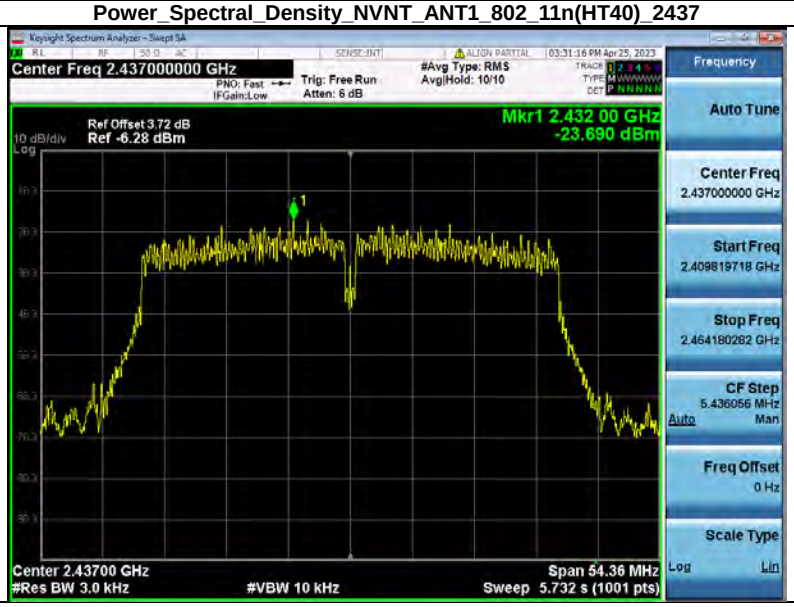

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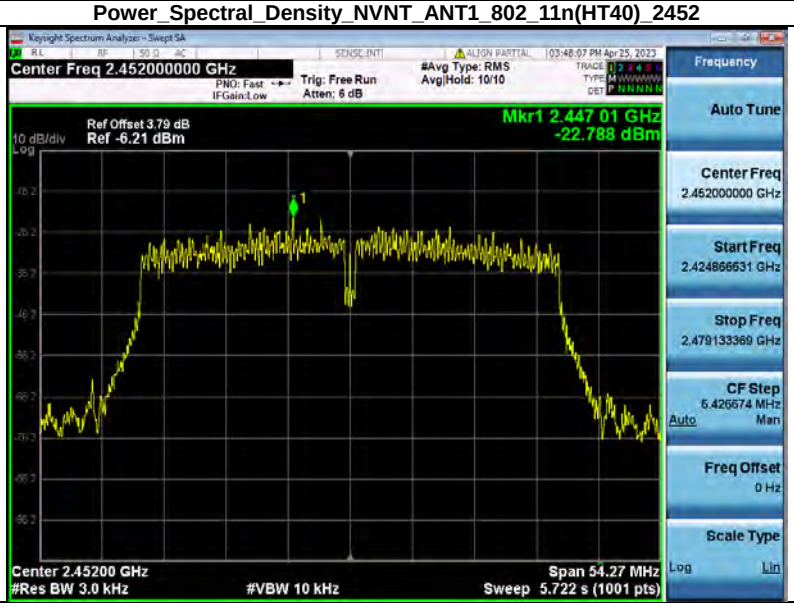

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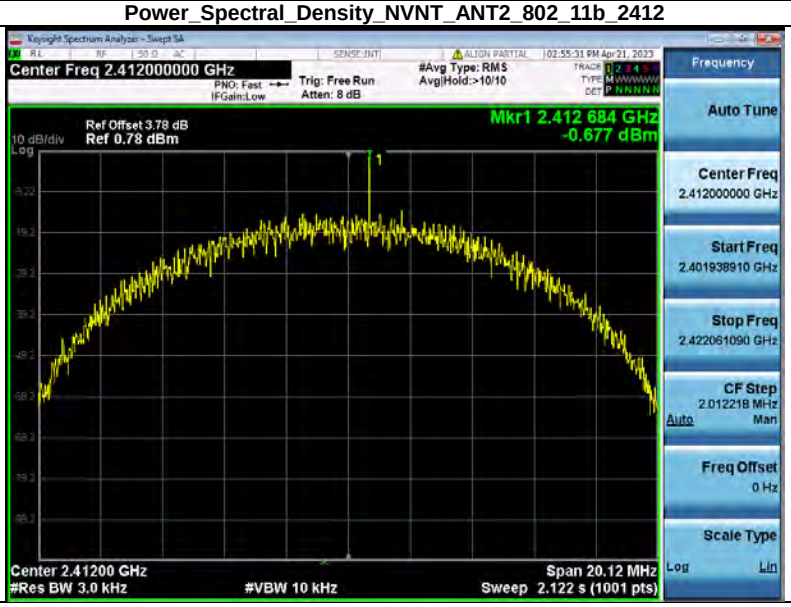

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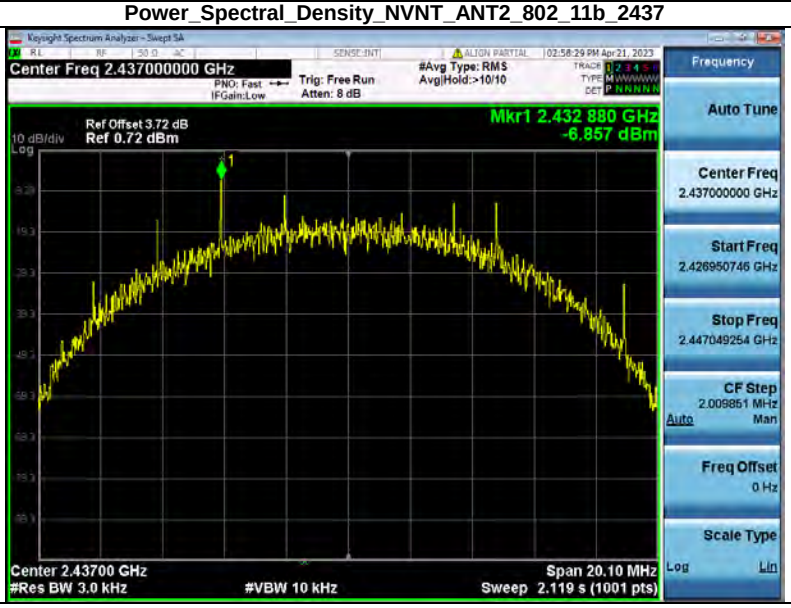

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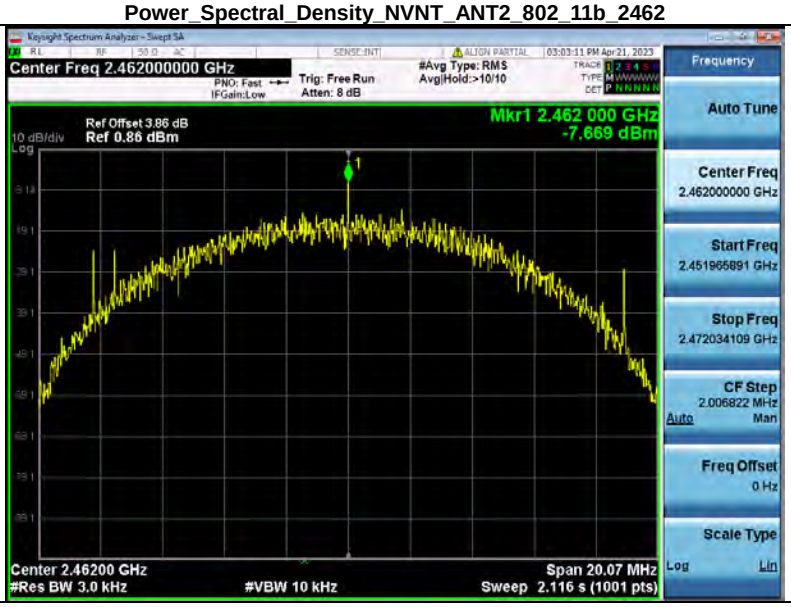

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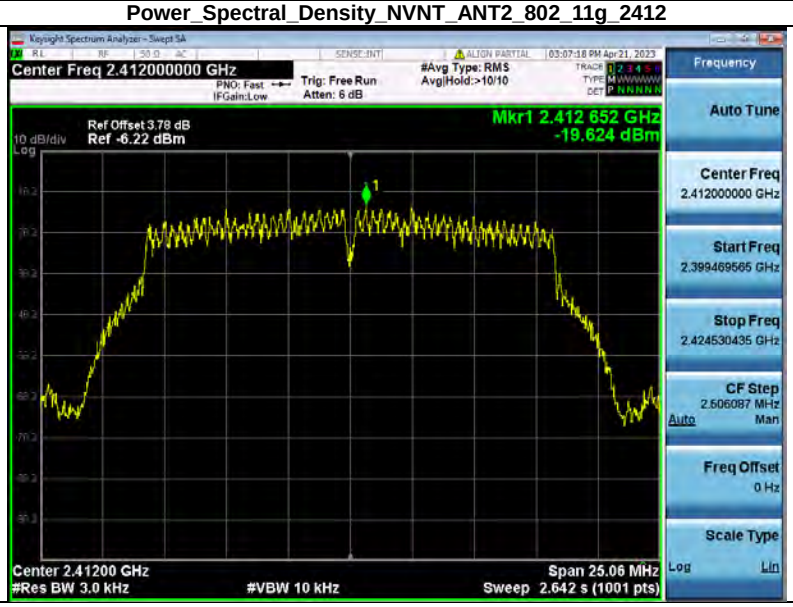

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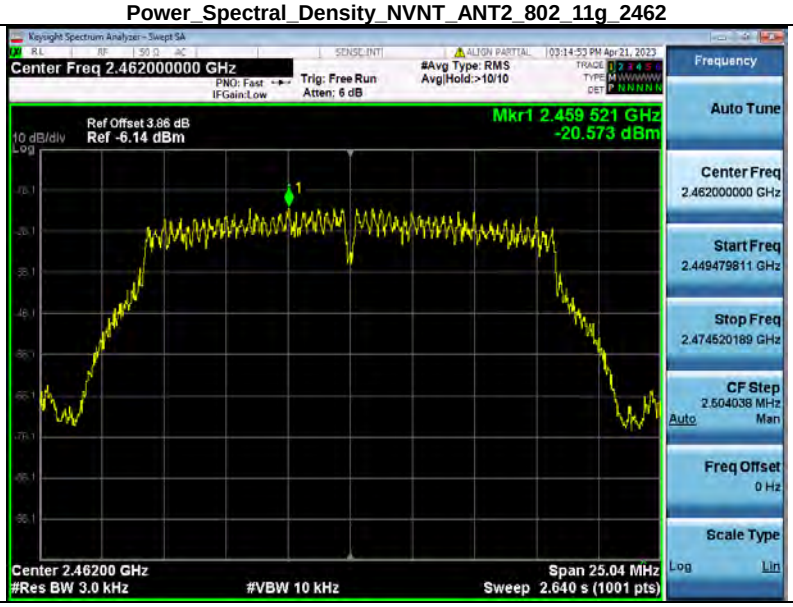

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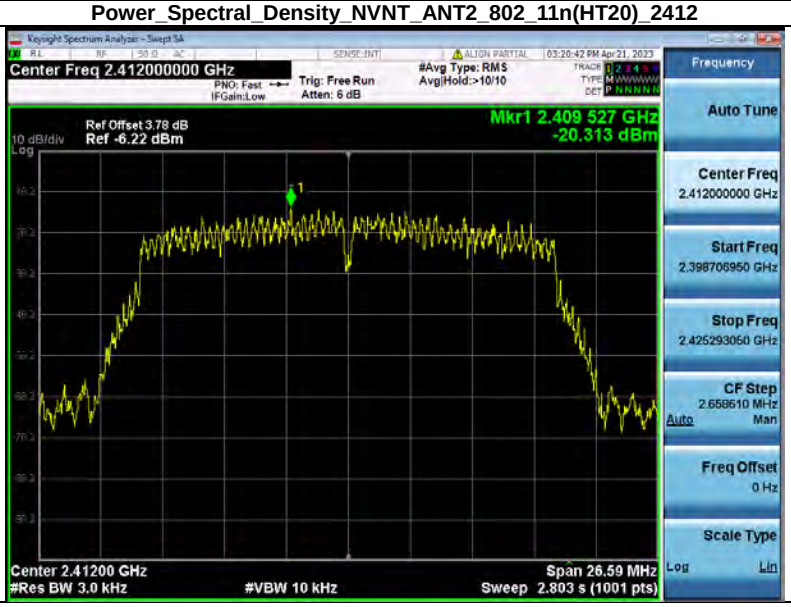

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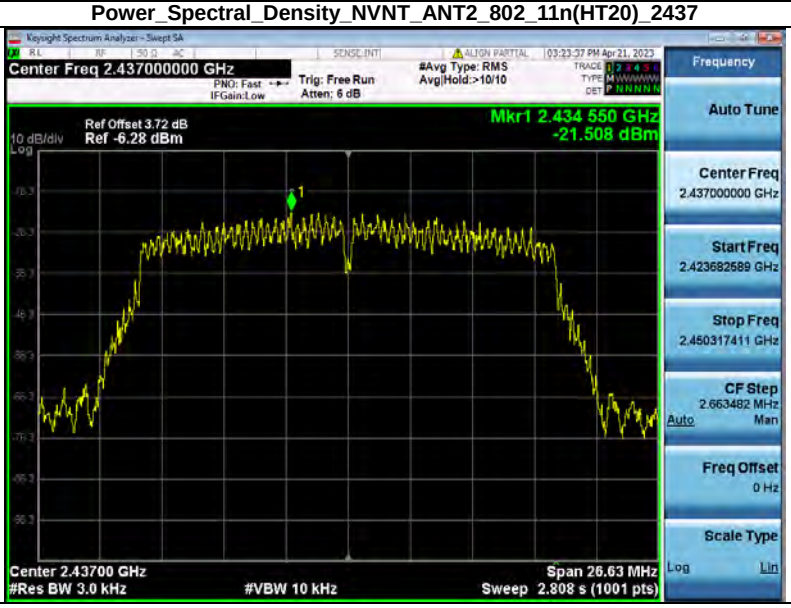

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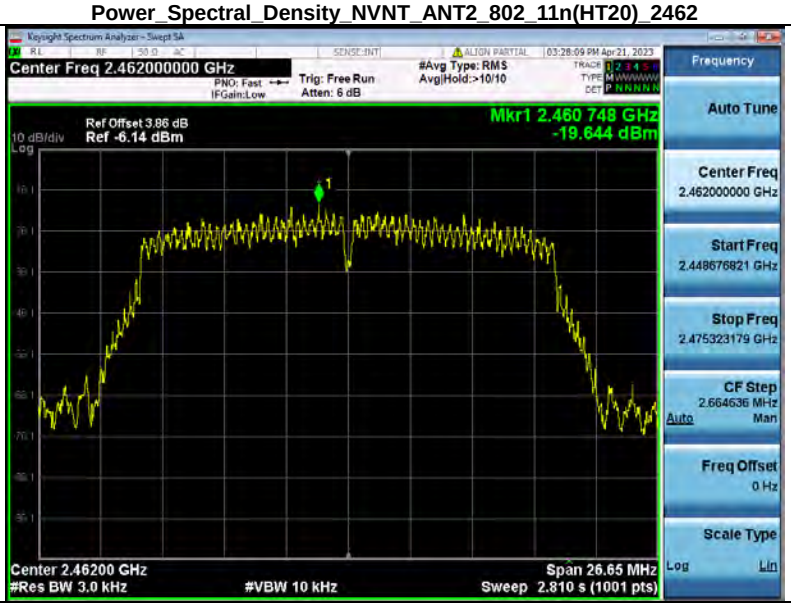

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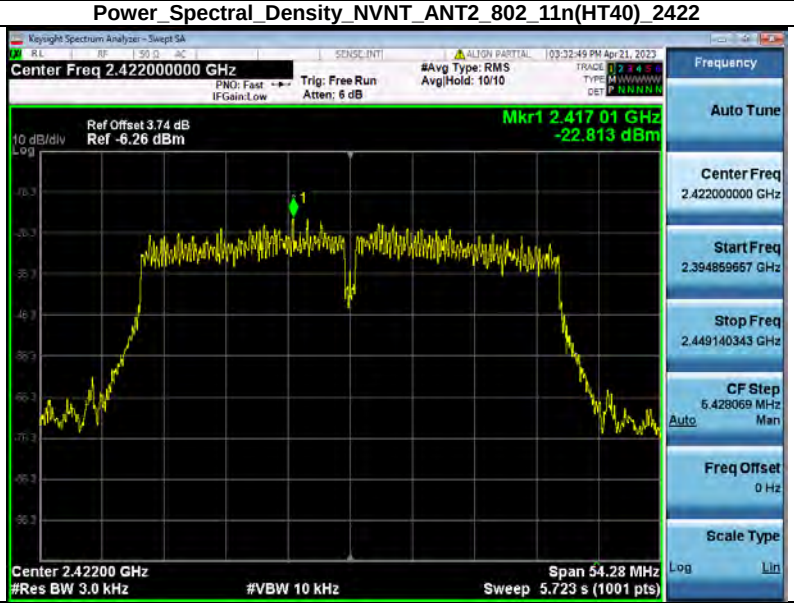

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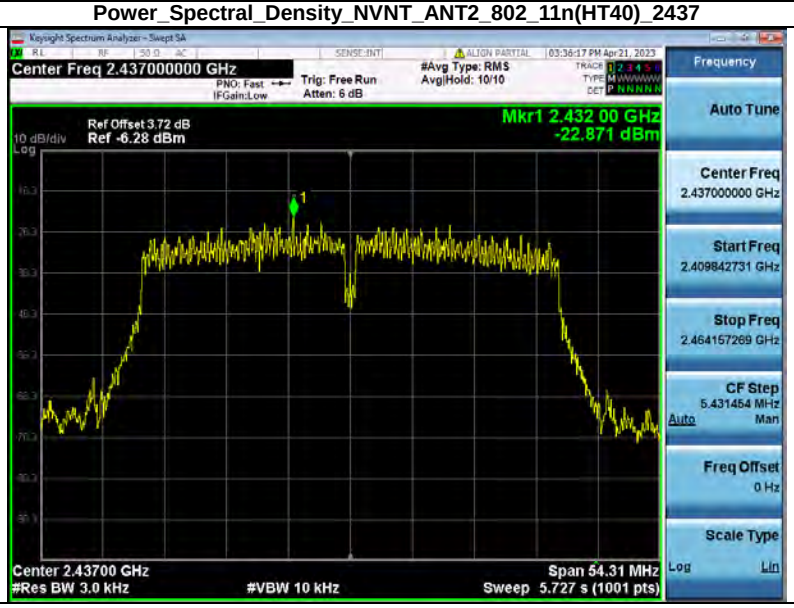

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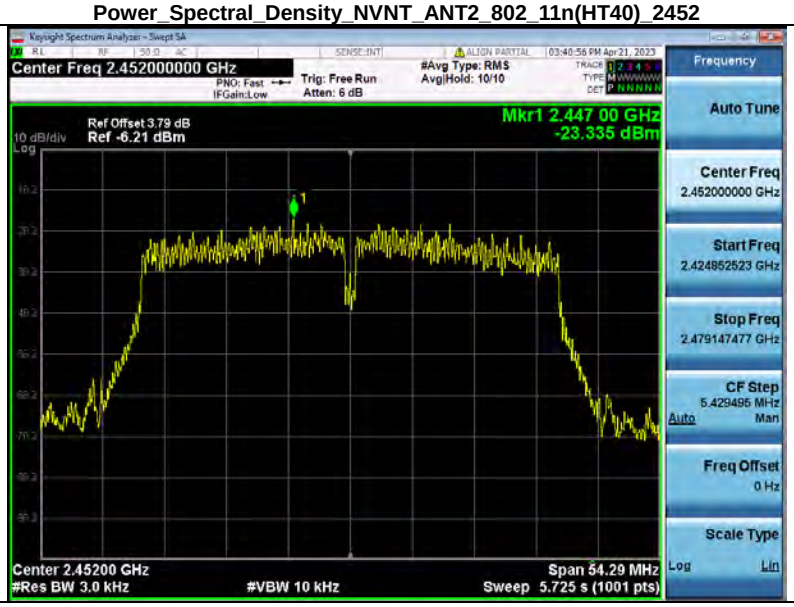

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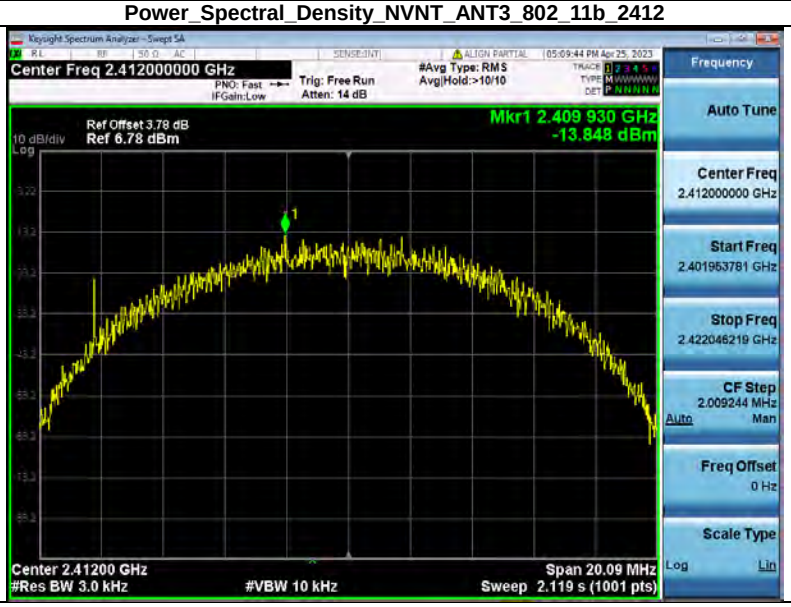

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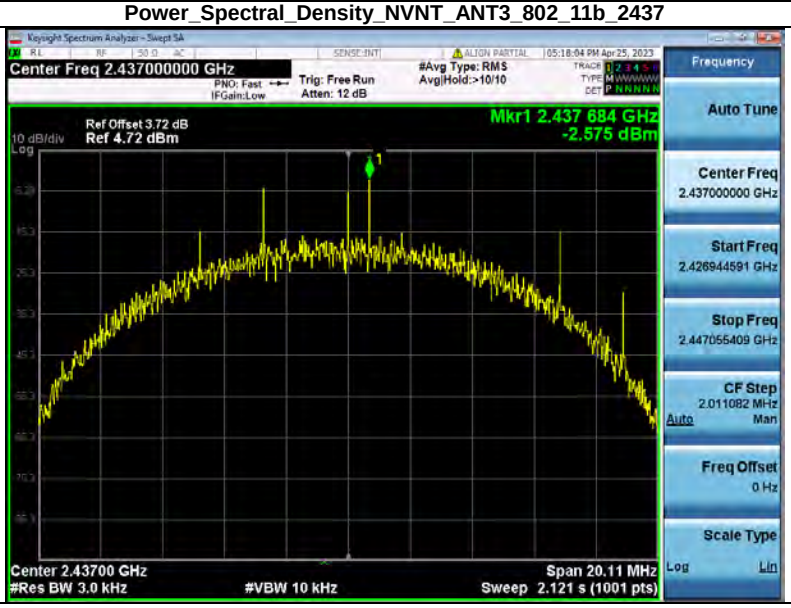

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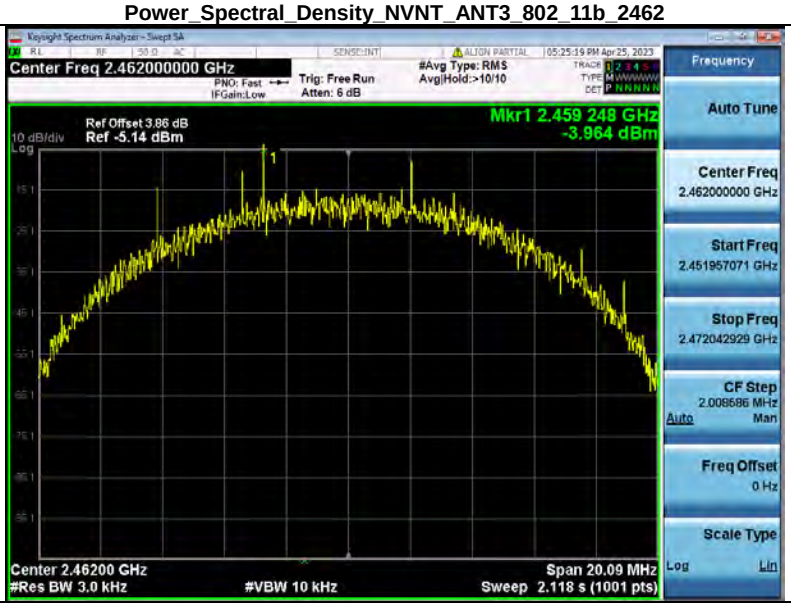

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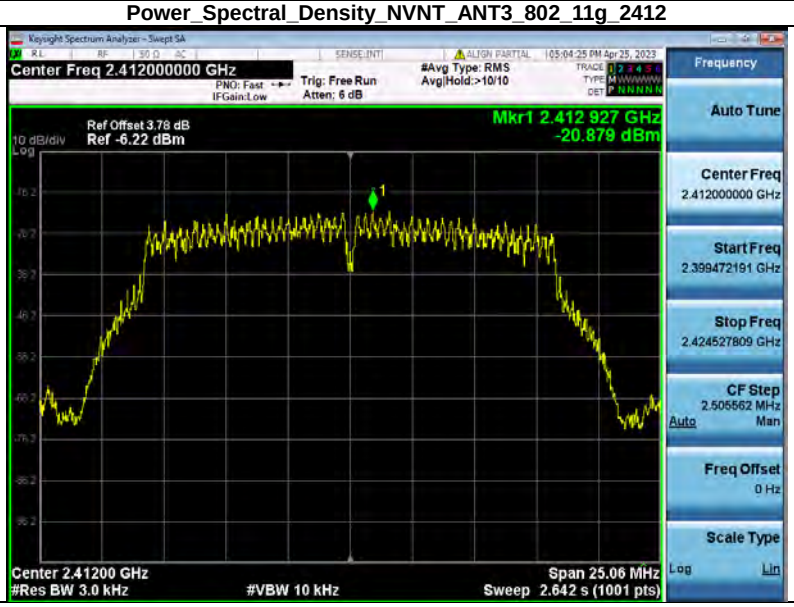

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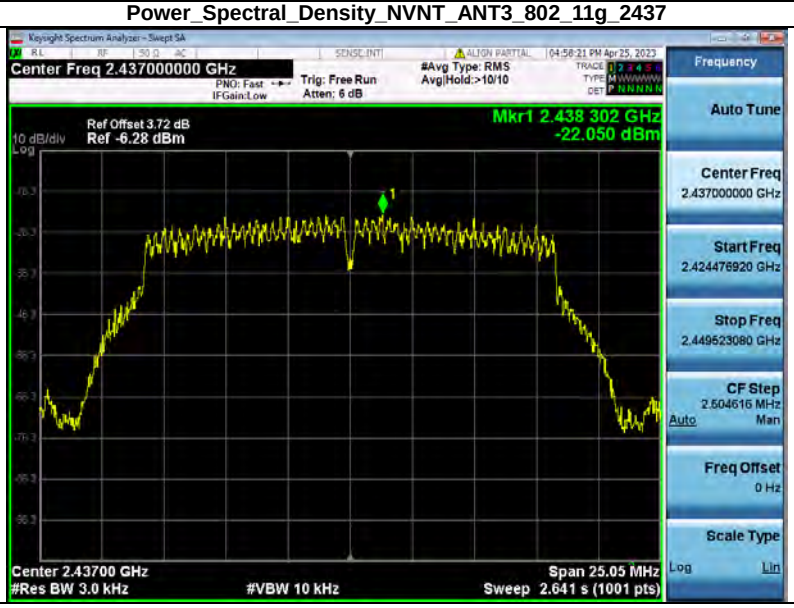

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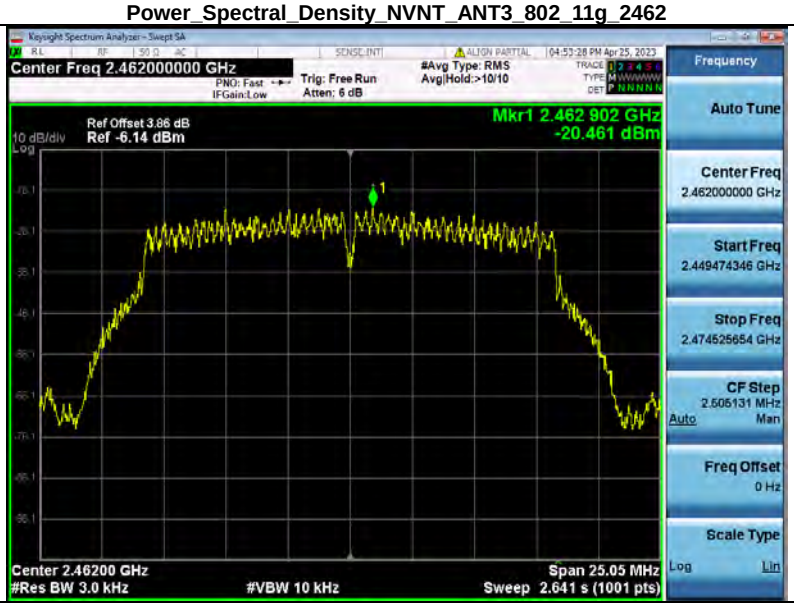

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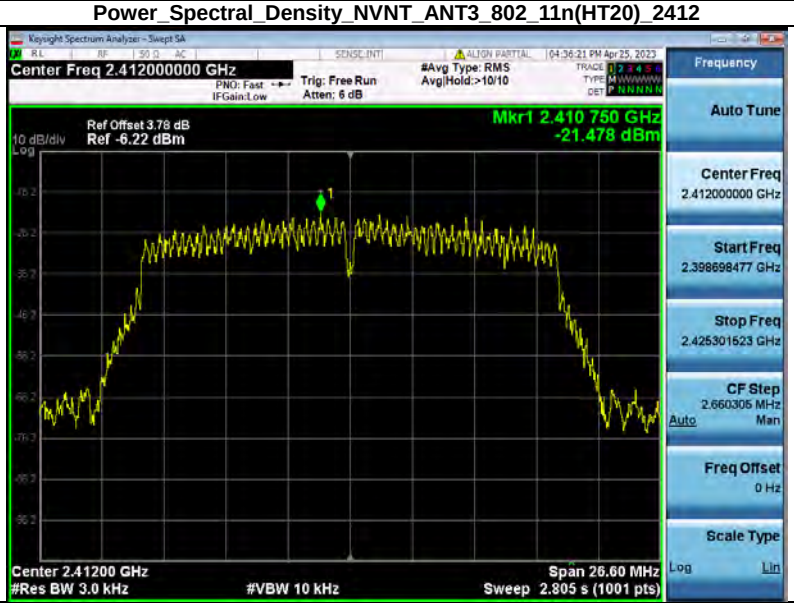

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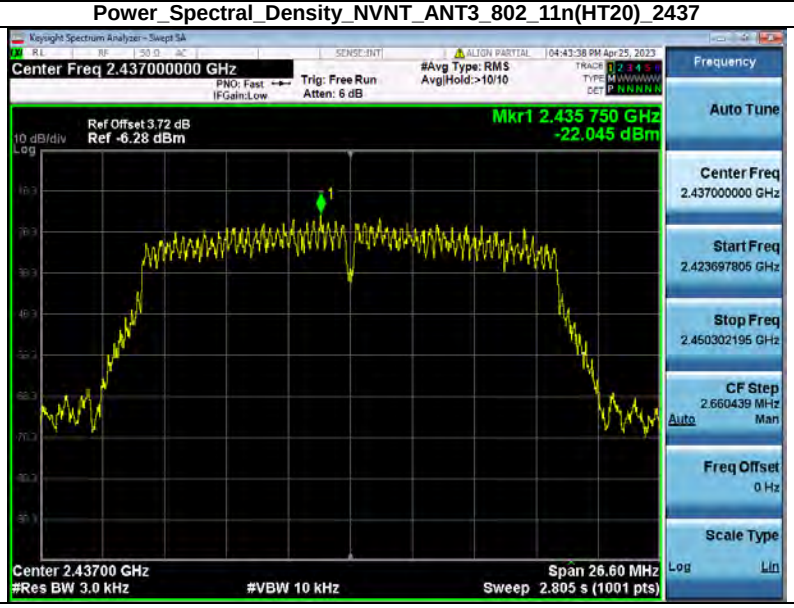

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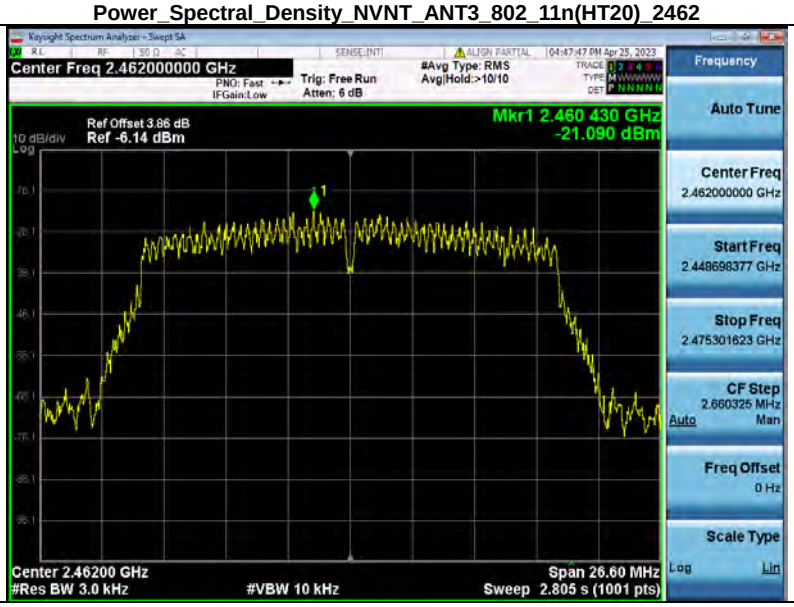

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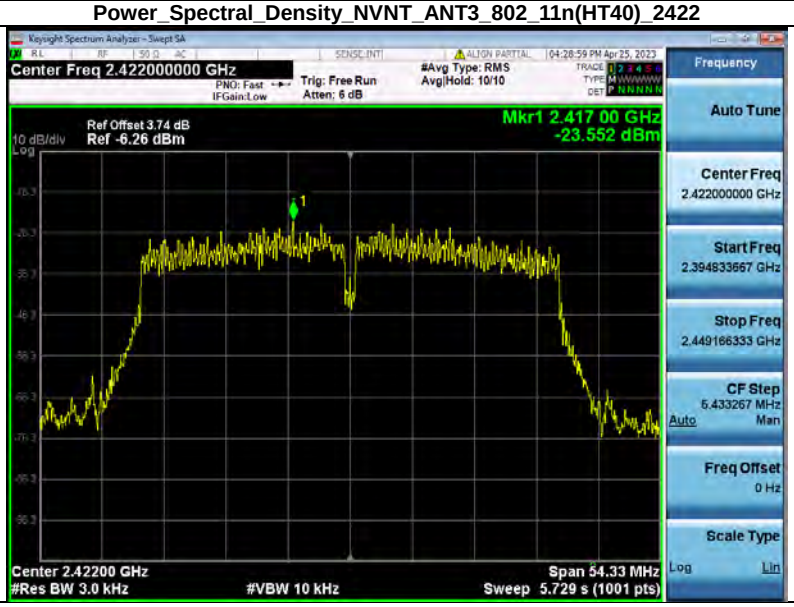

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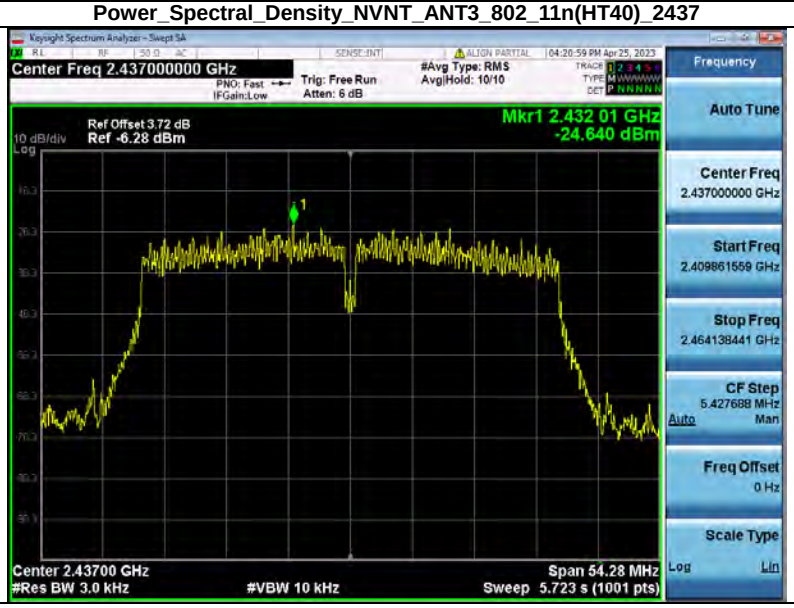

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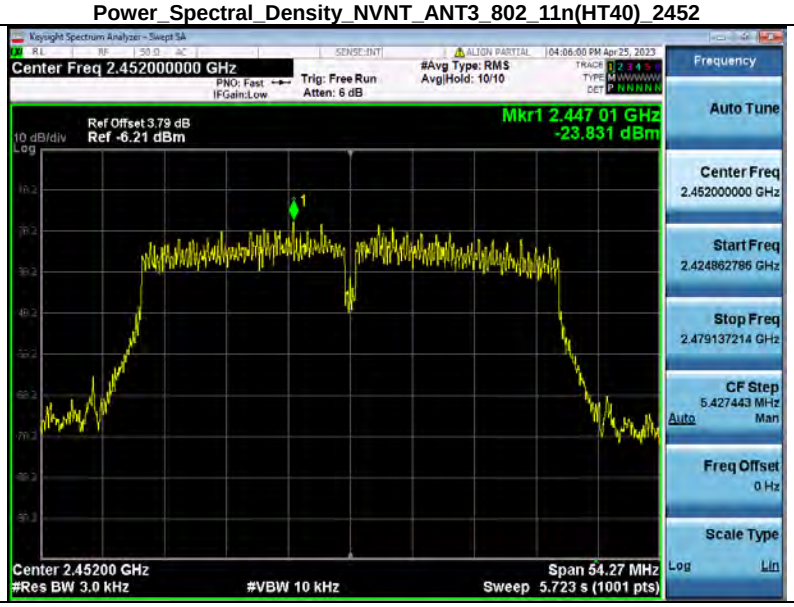

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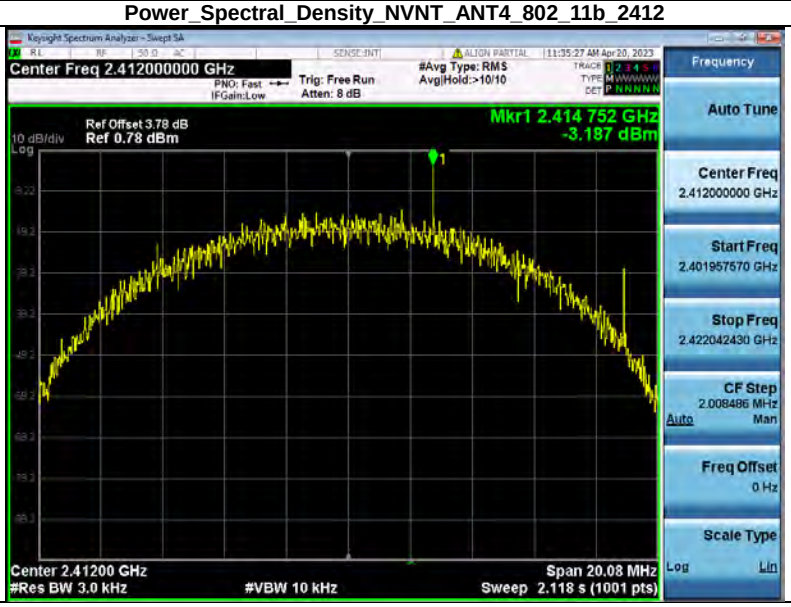

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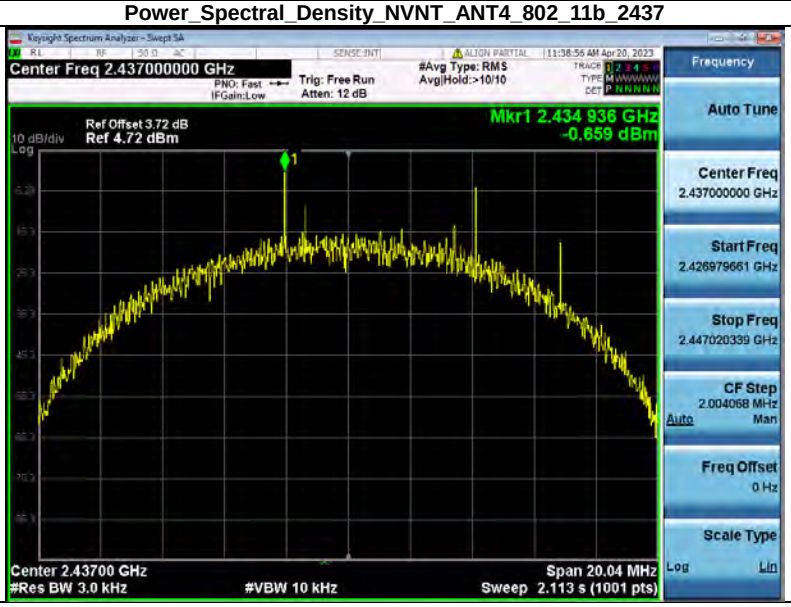

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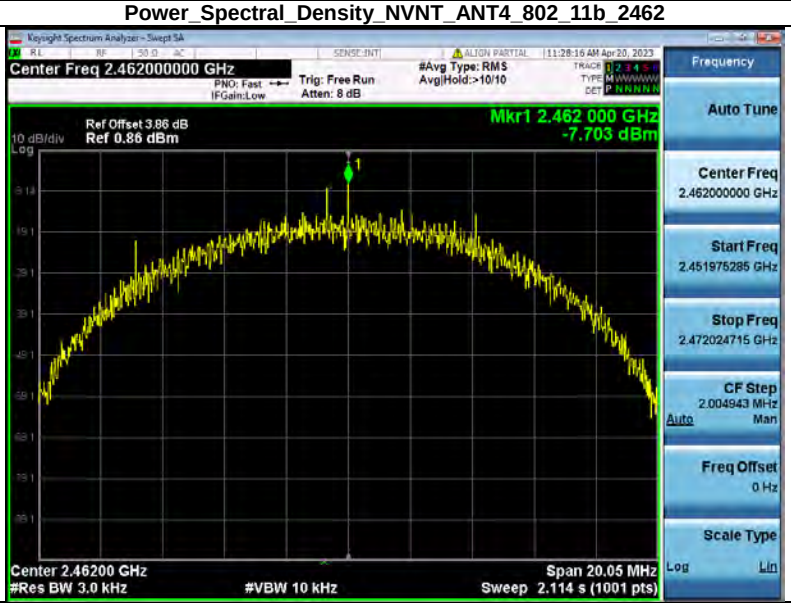

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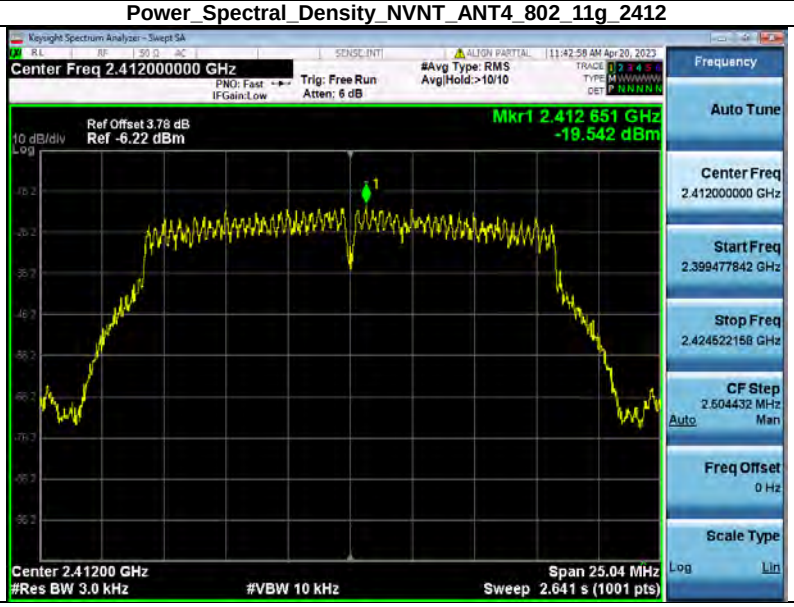

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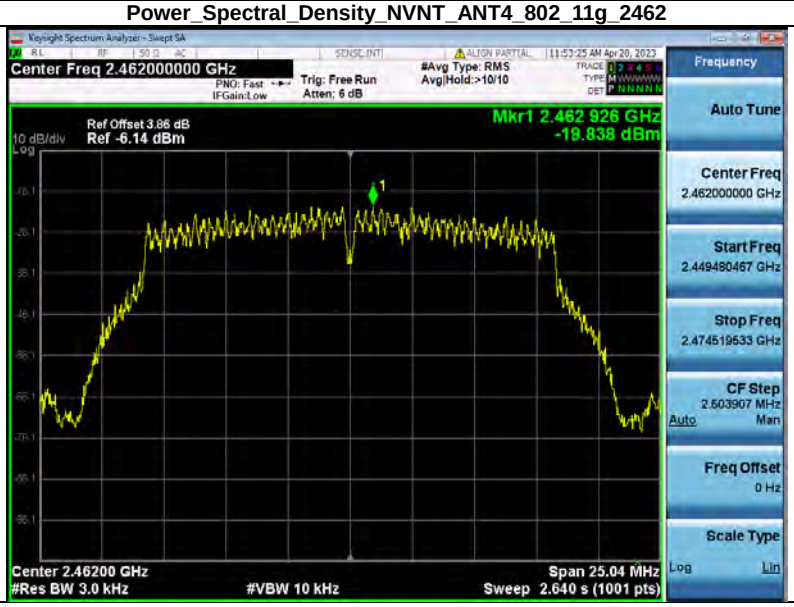

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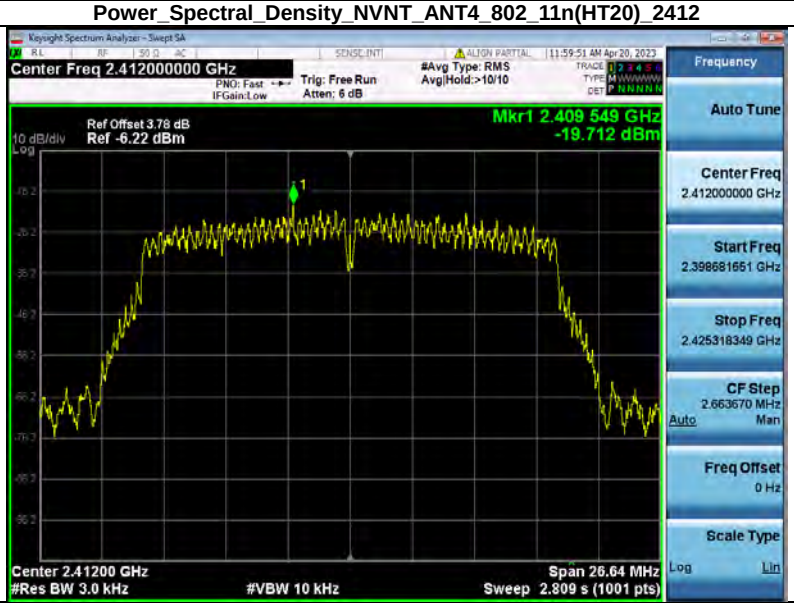

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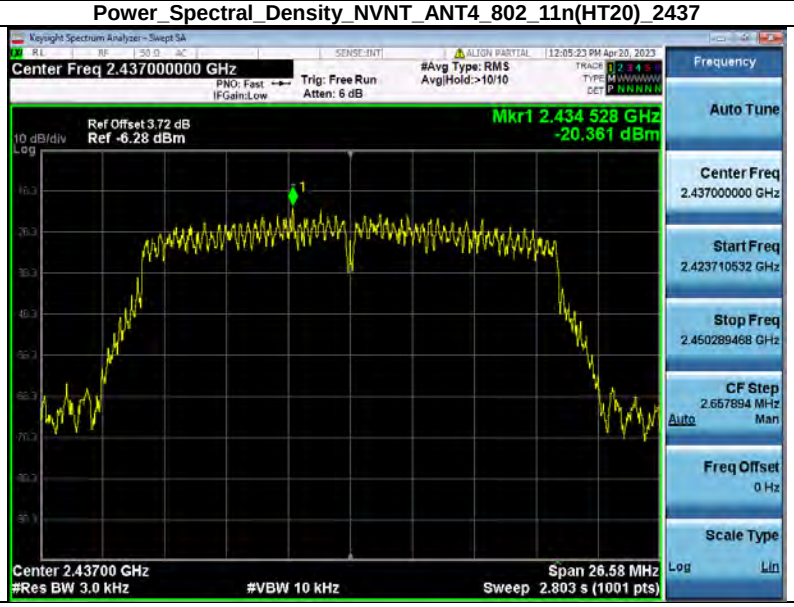

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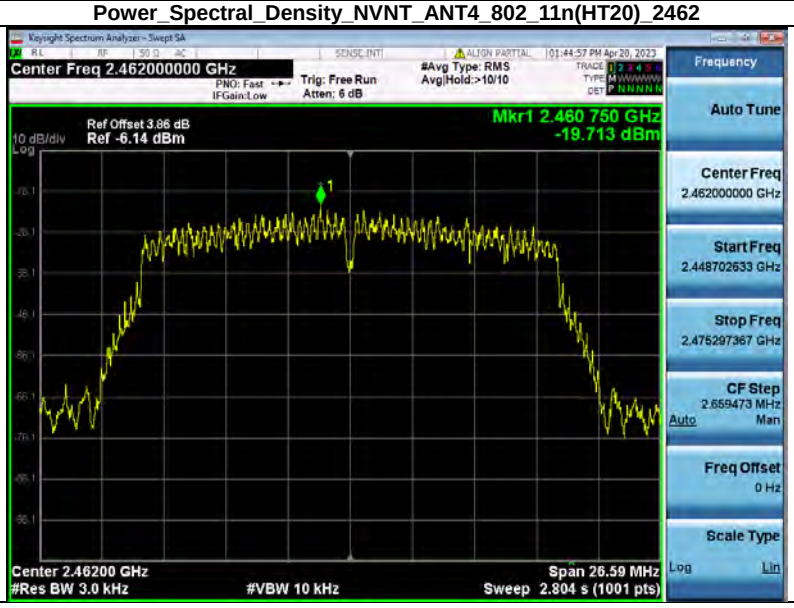

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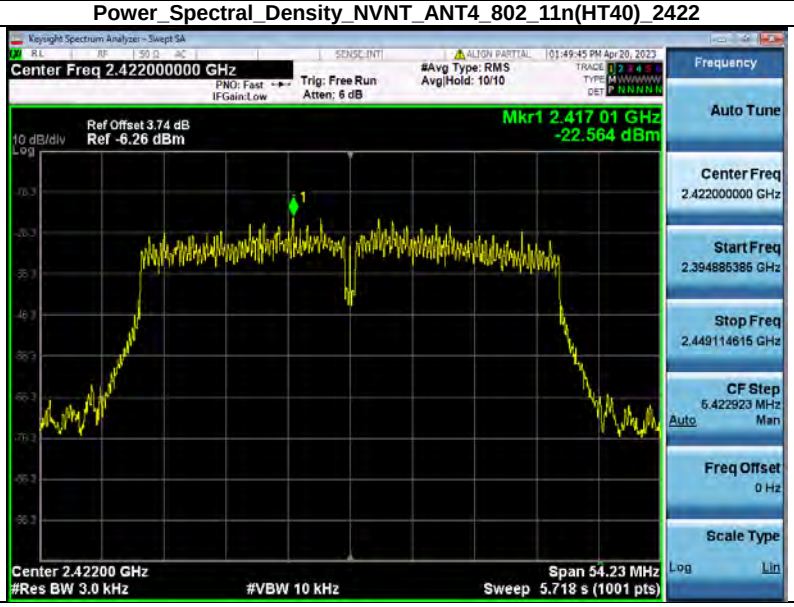

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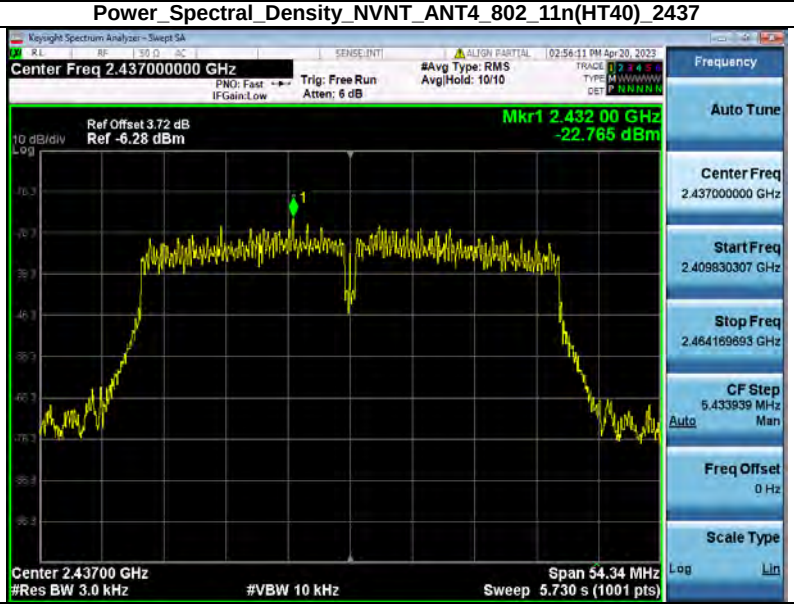

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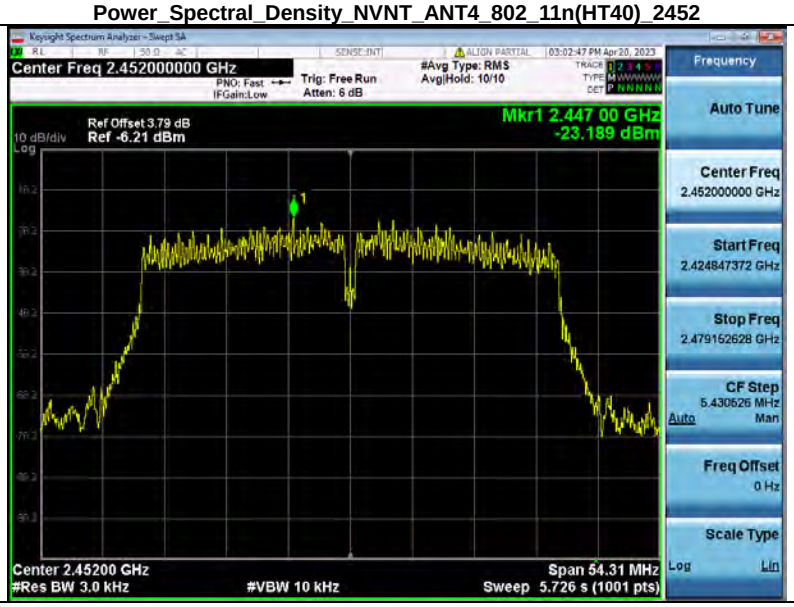
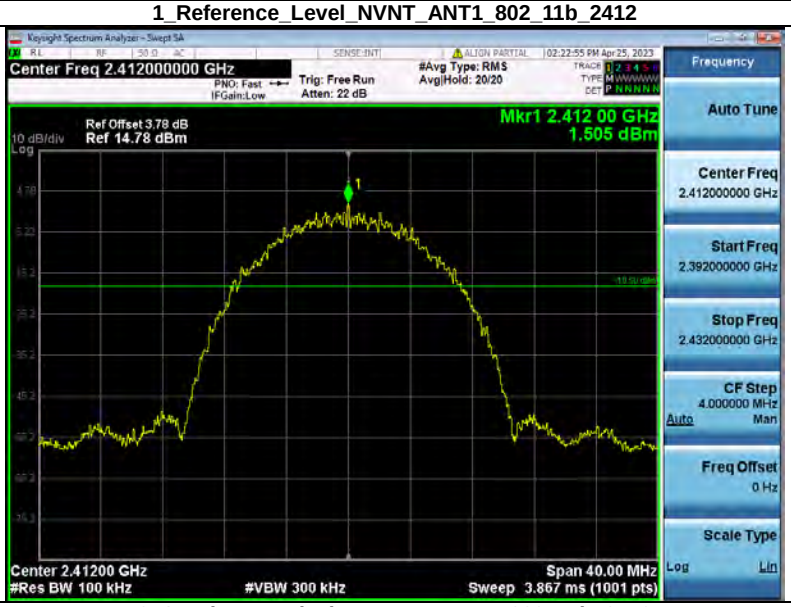


11.5. SPURIOUS EMISSION

1_Reference_Level_NVNT_ANT1_802_11b_2412



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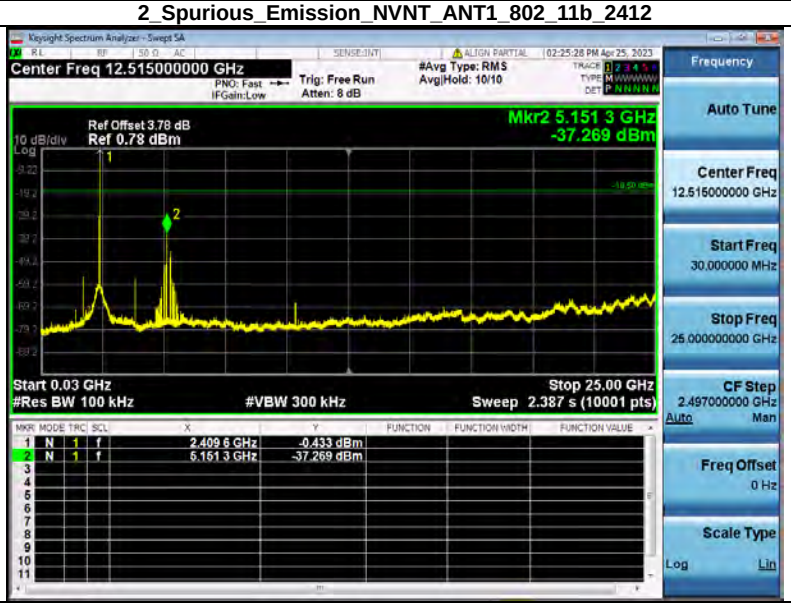

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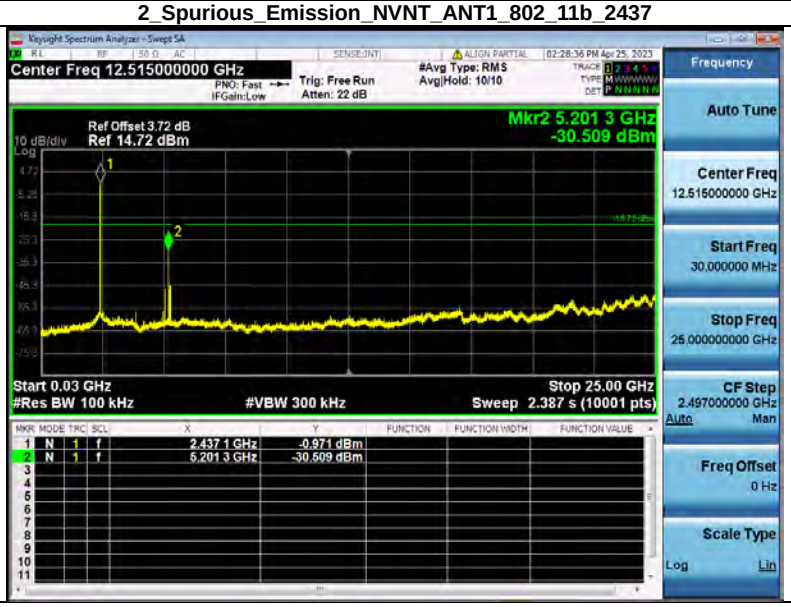

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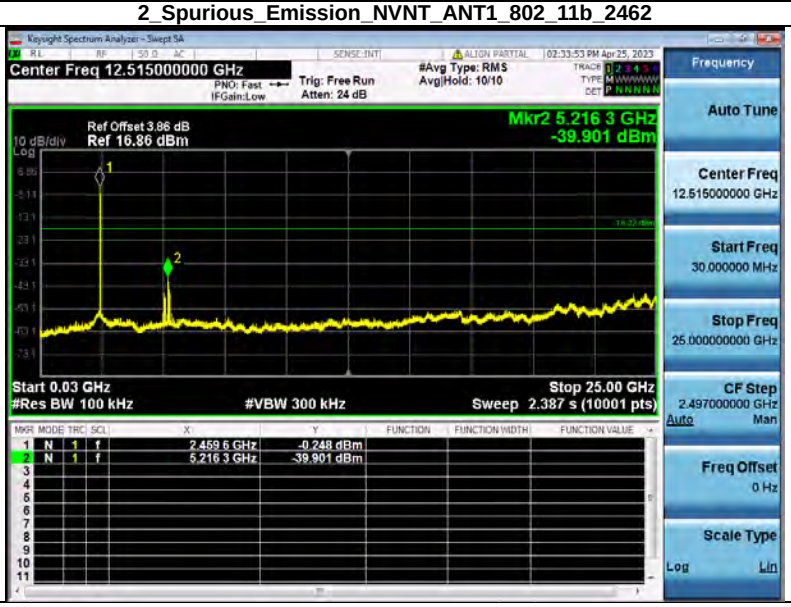

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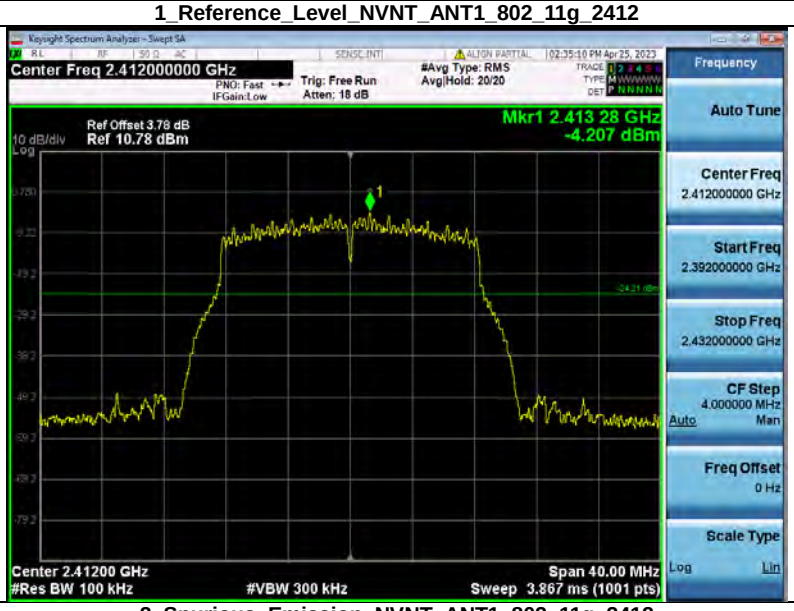

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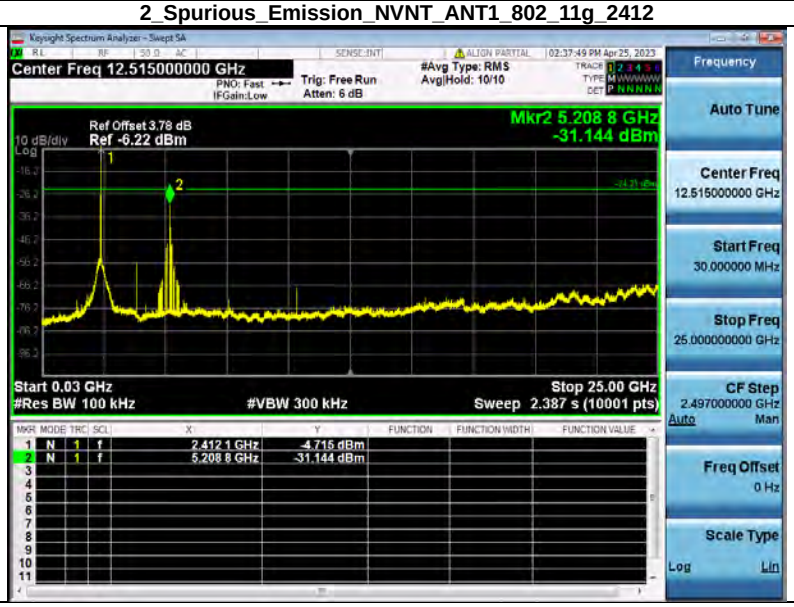

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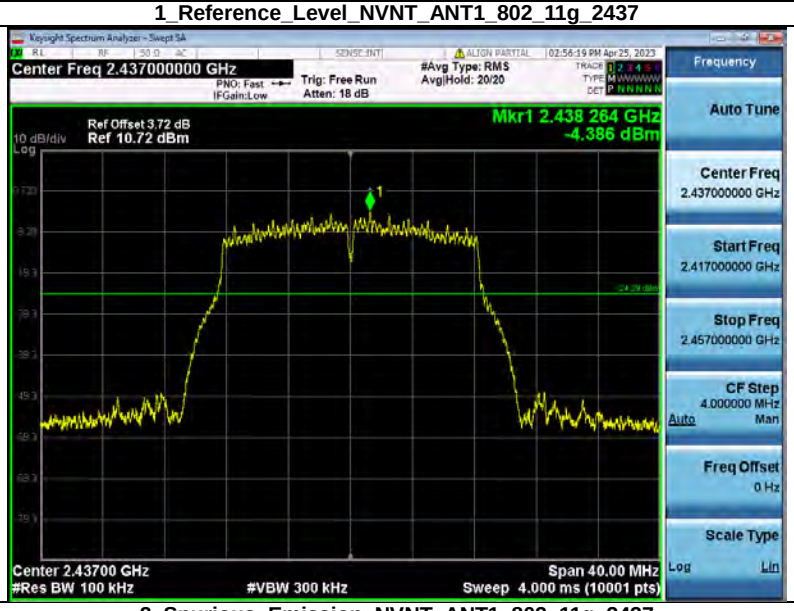

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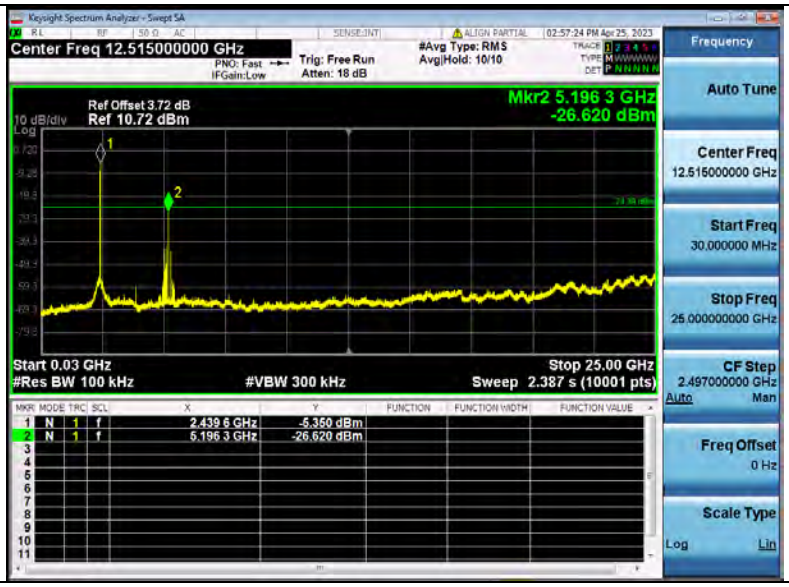

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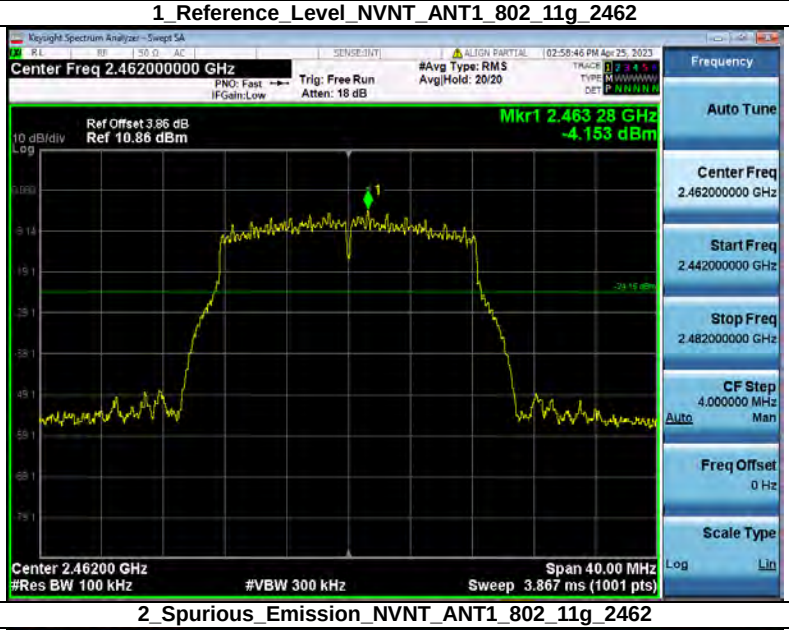

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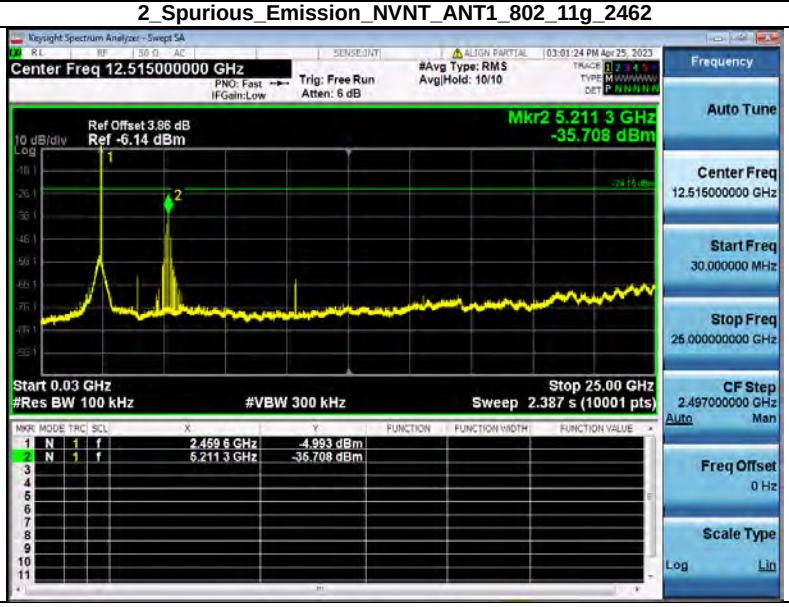

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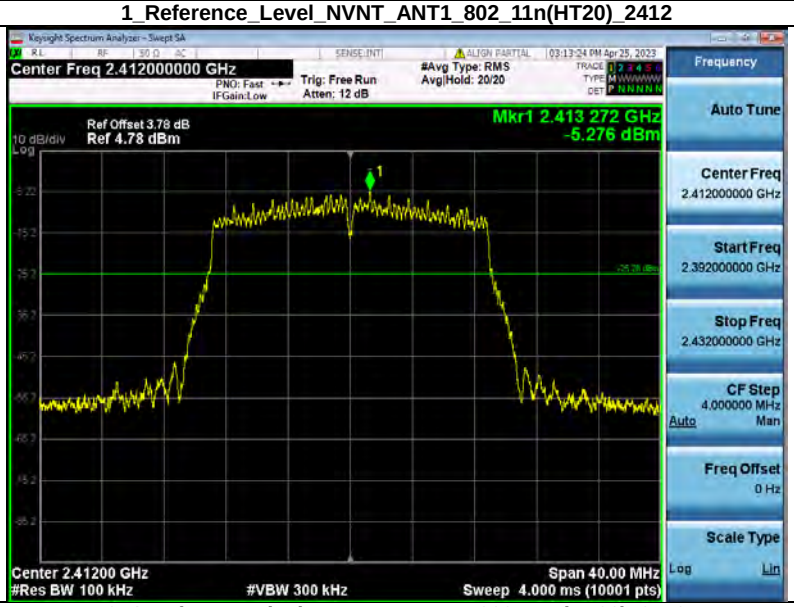
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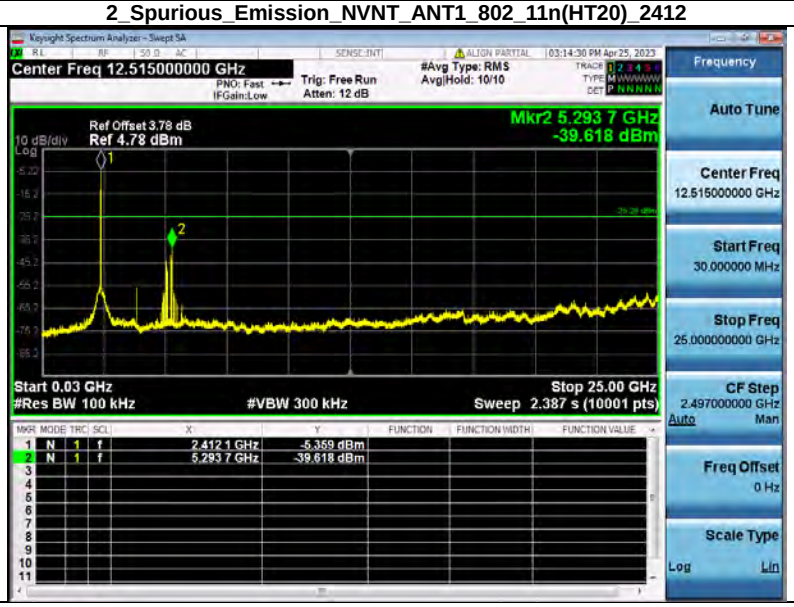

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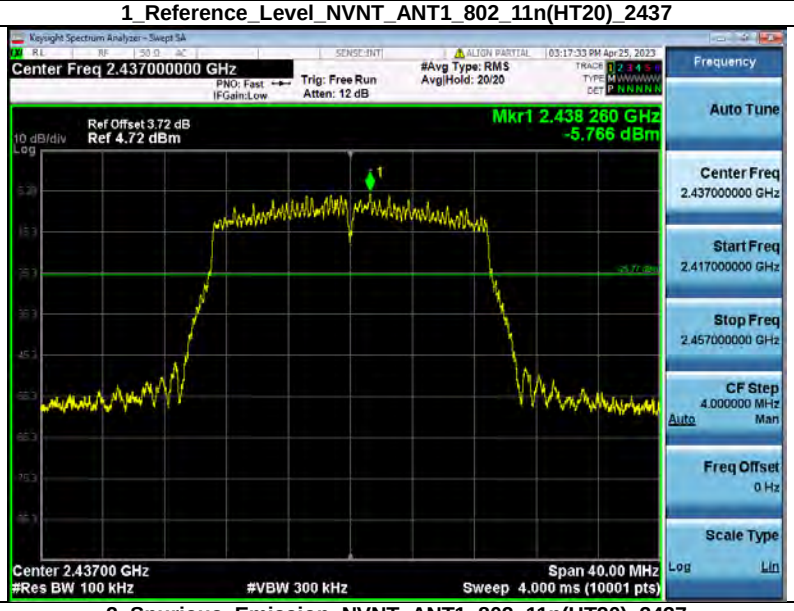
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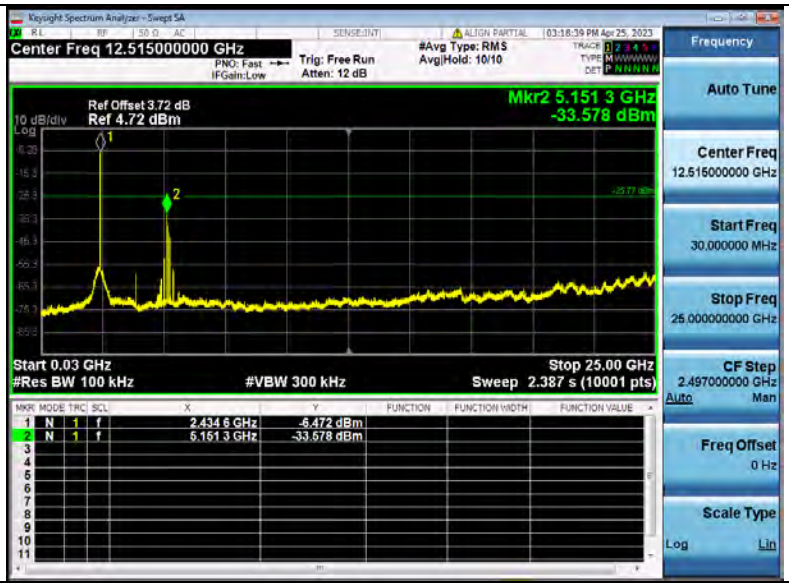

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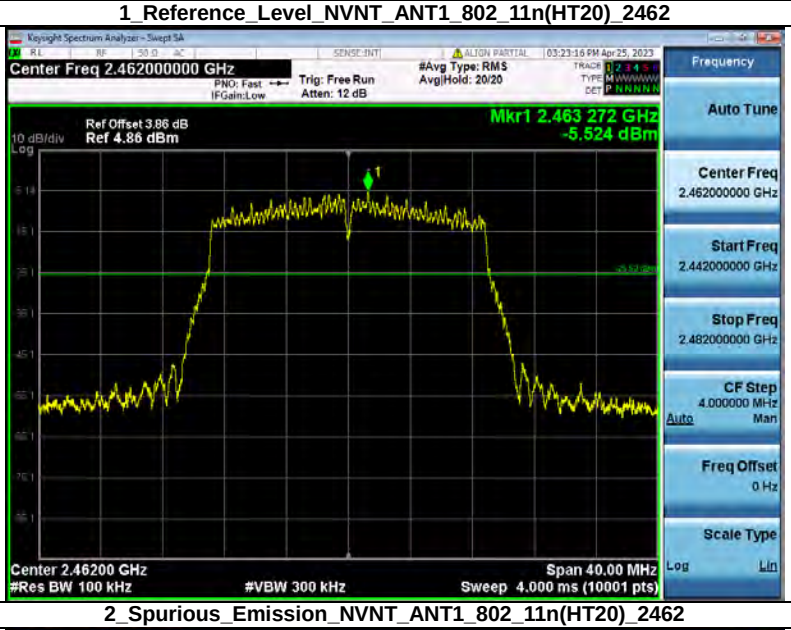

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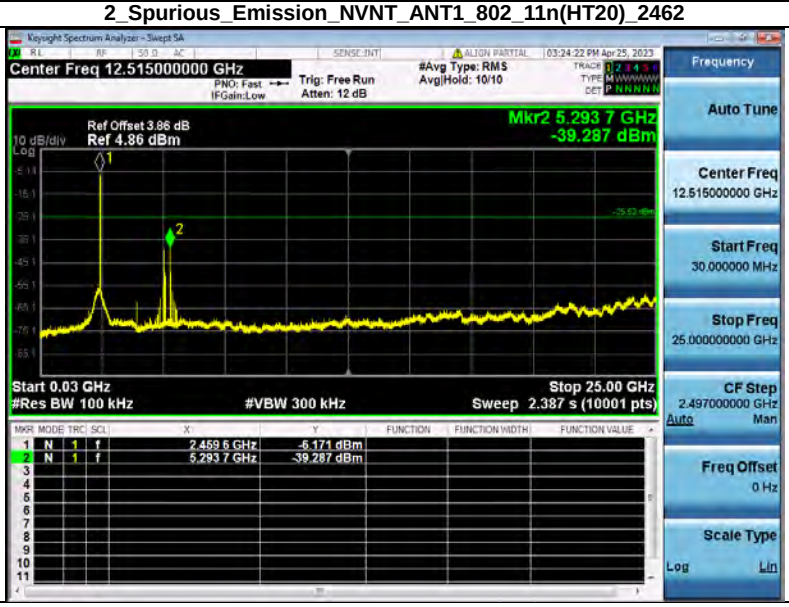

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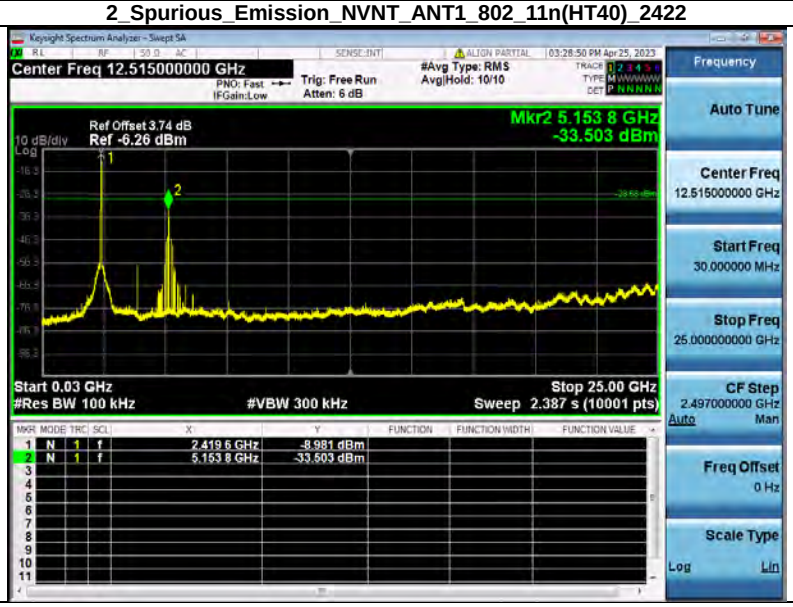

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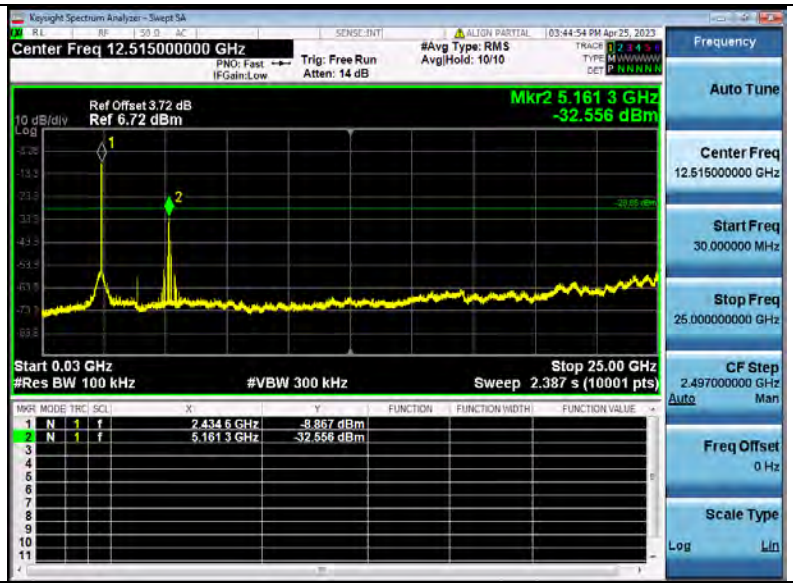
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



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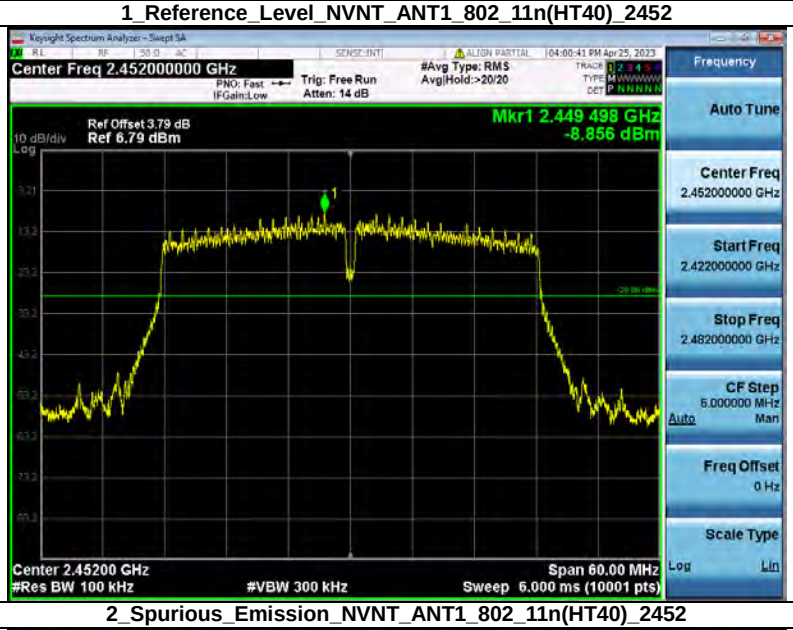

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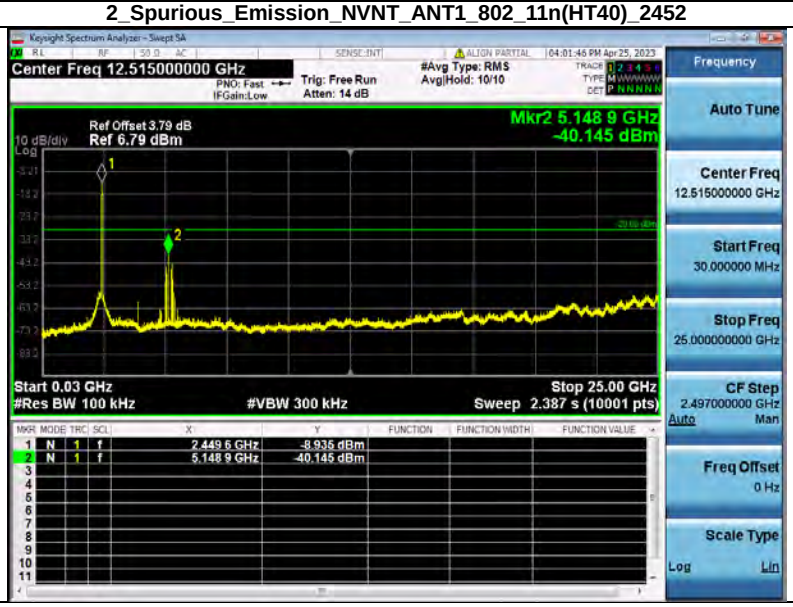

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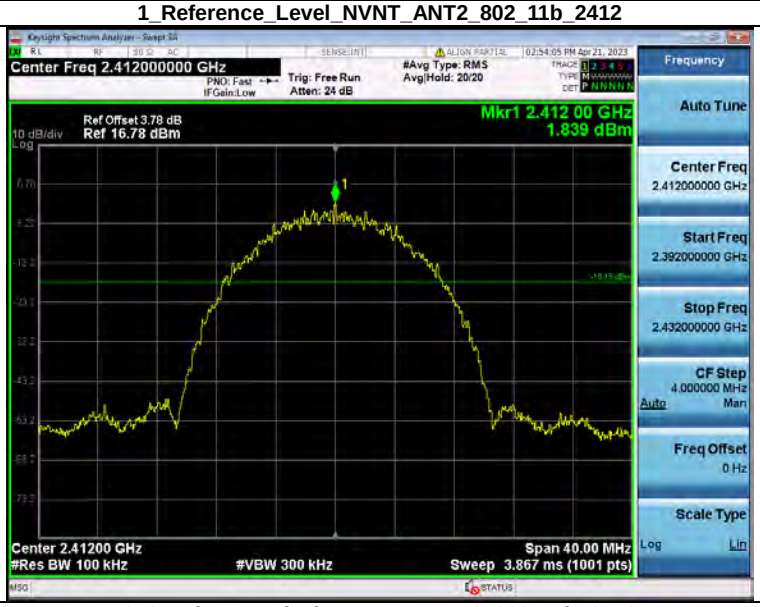

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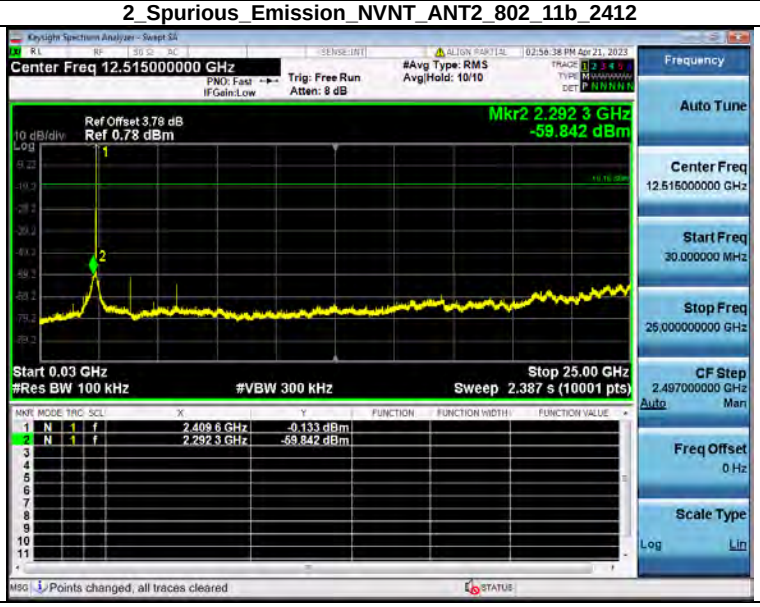

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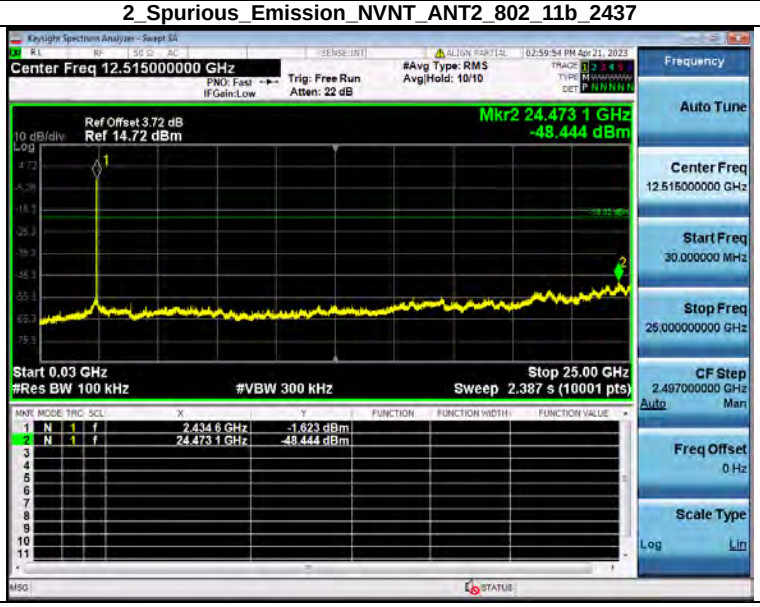

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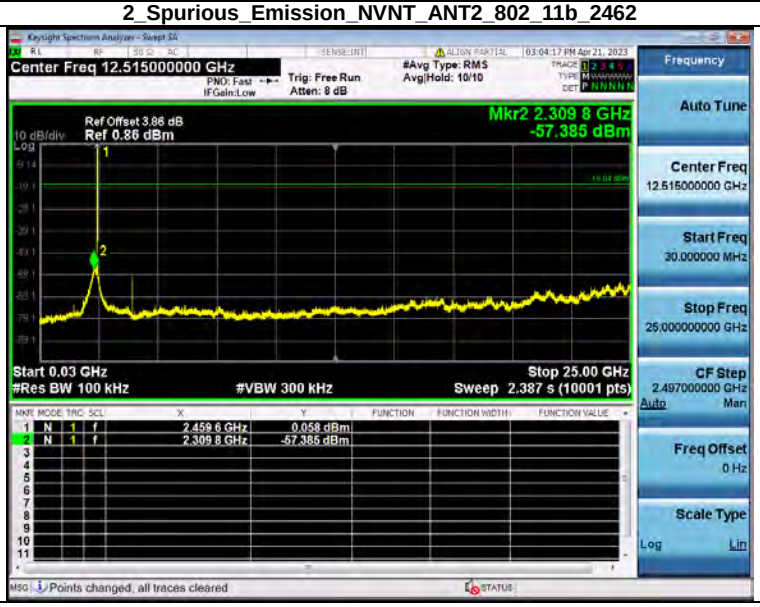

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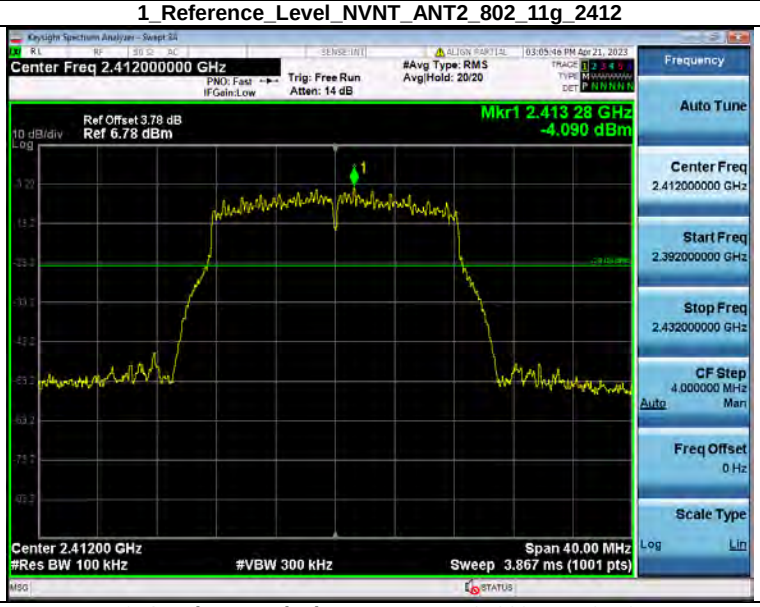

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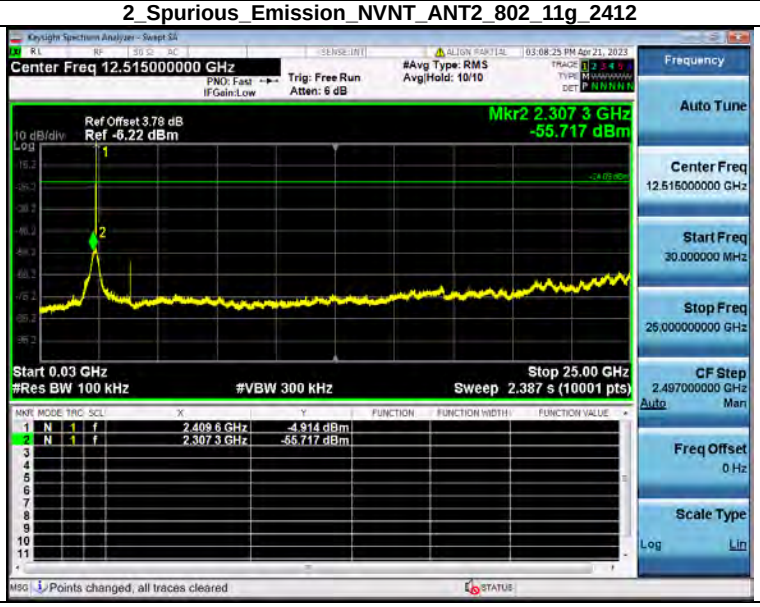

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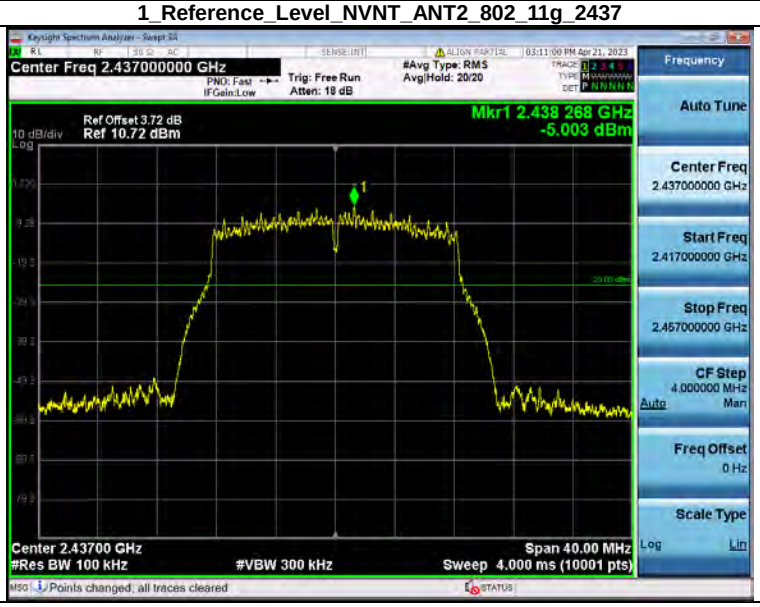

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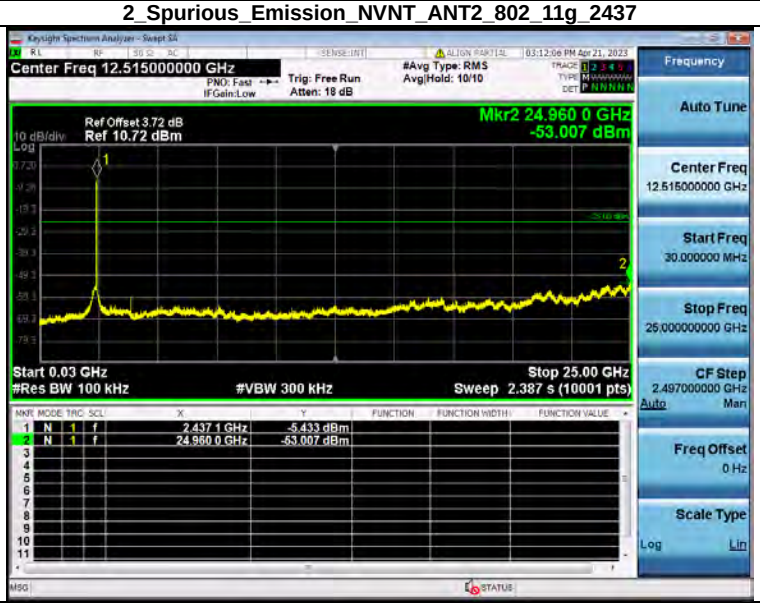

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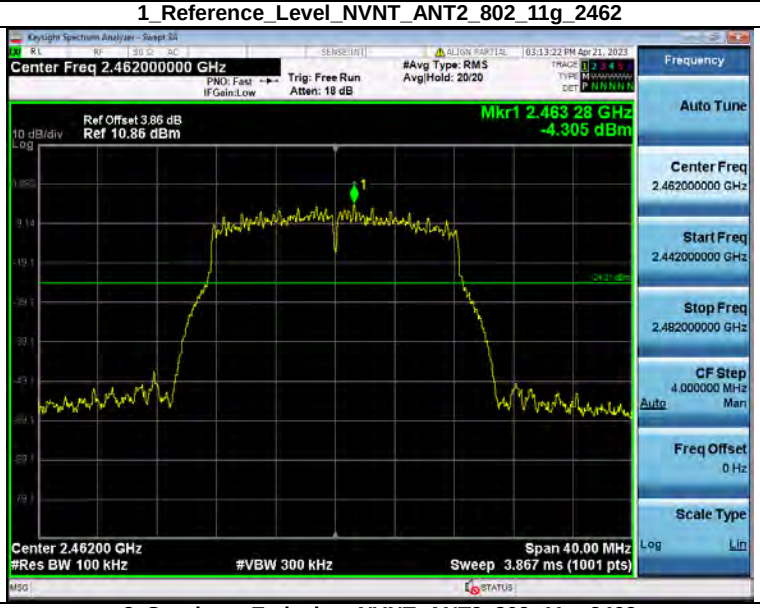

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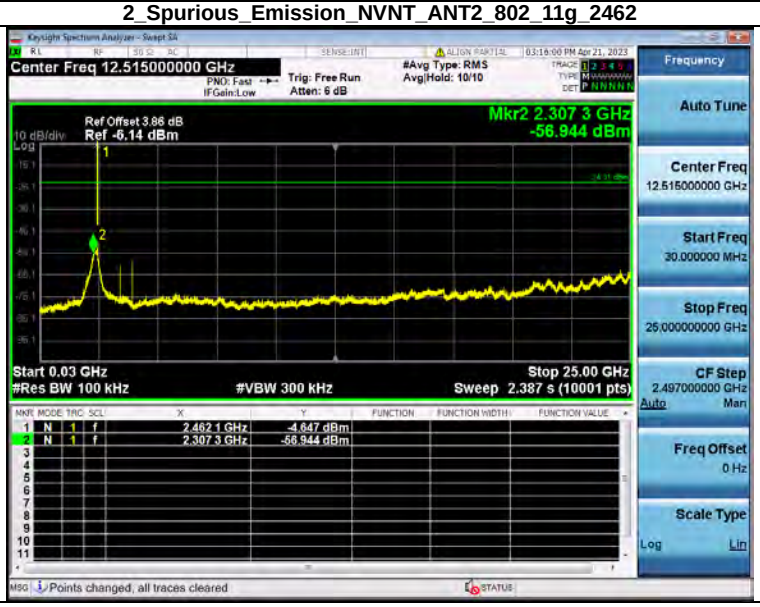

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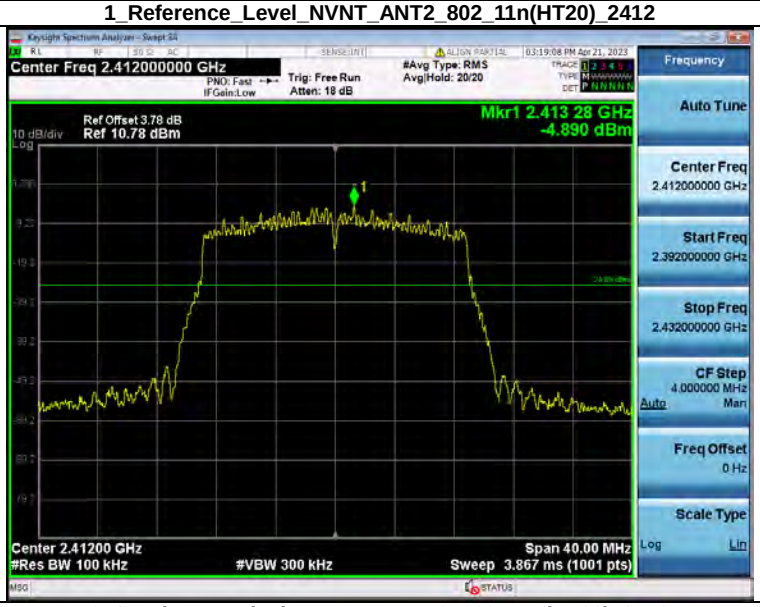

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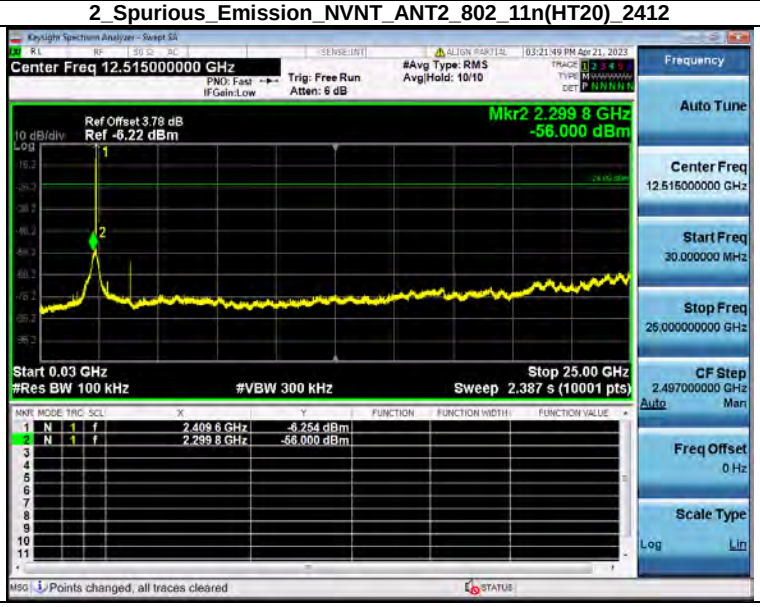

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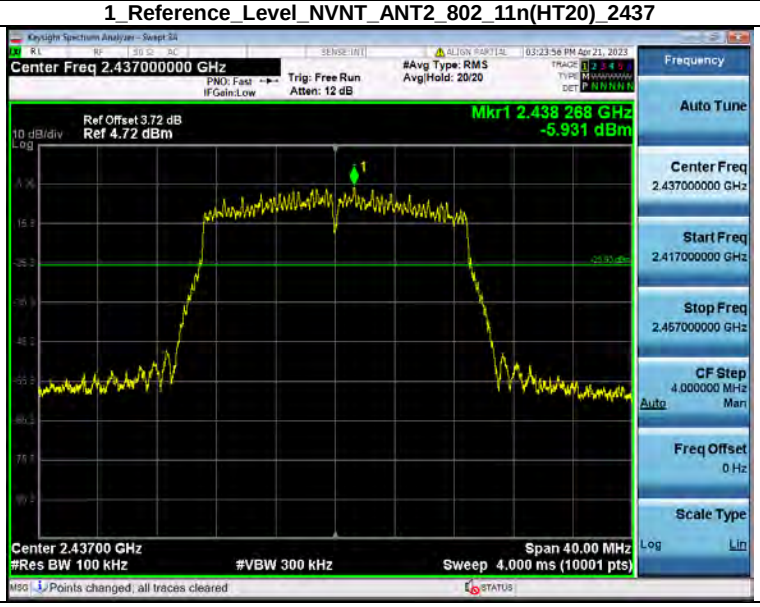

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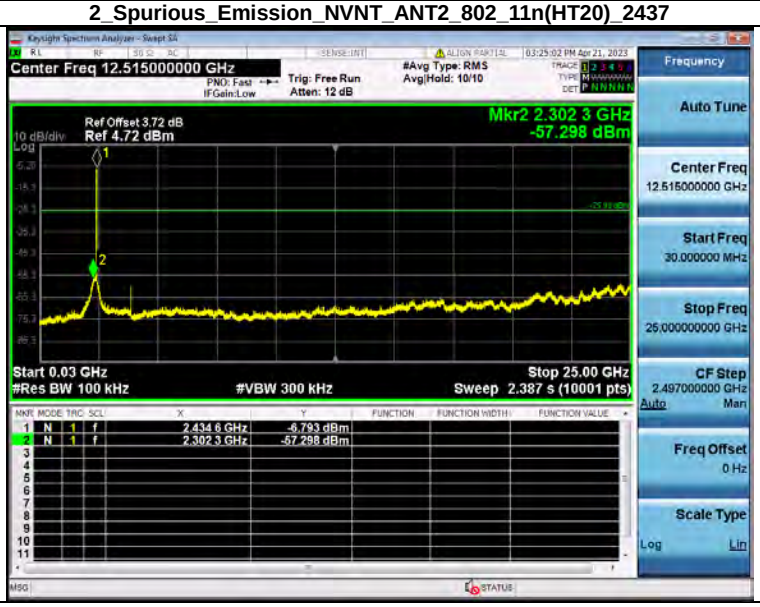

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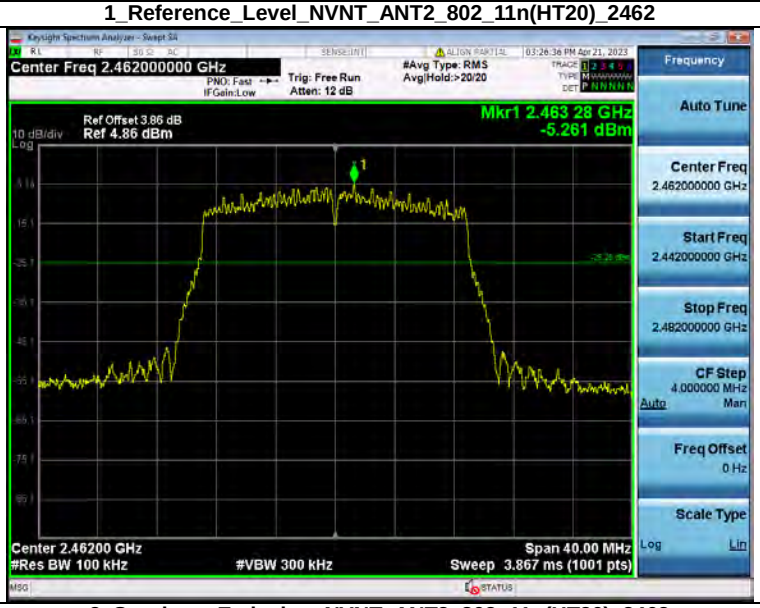

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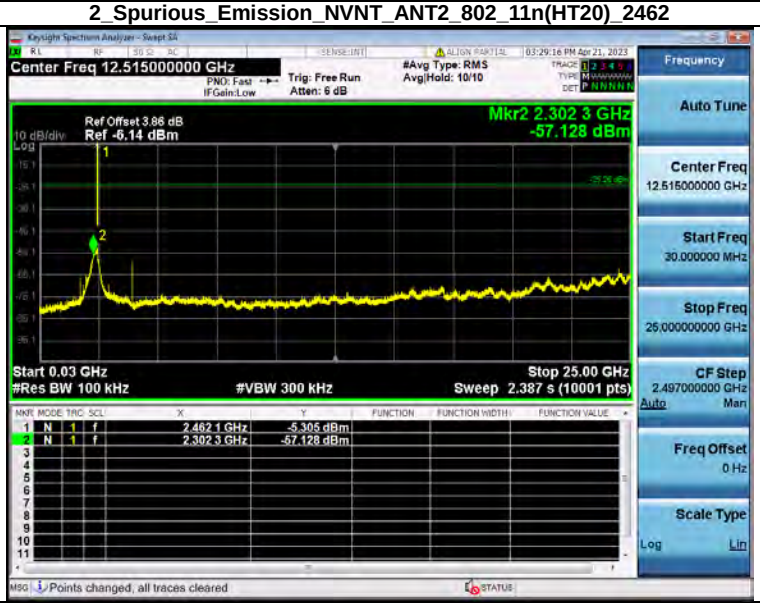

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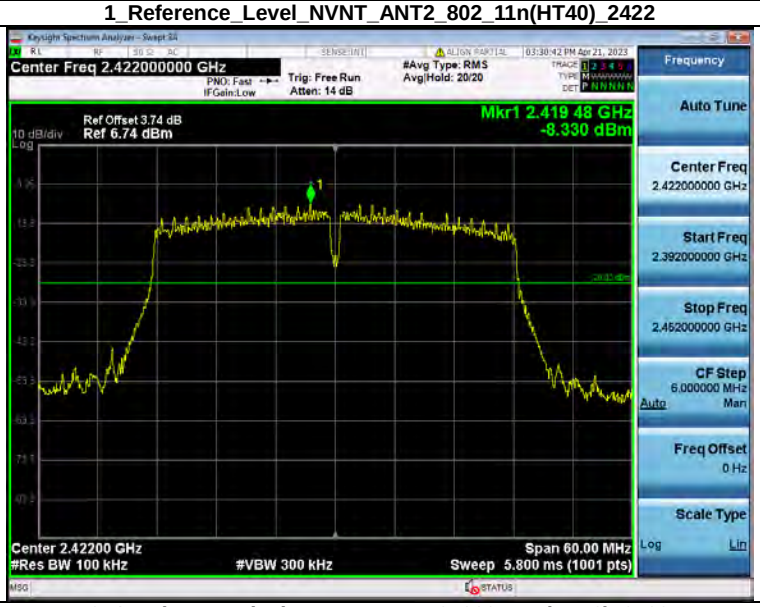

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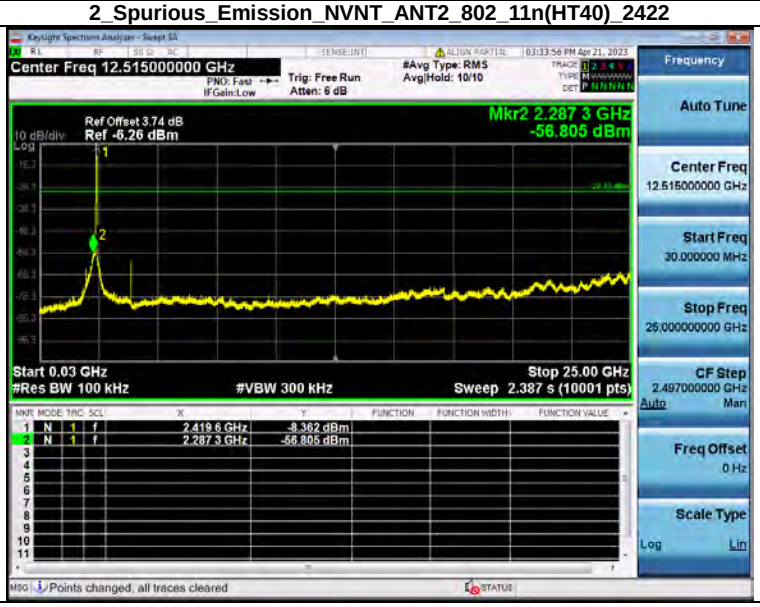

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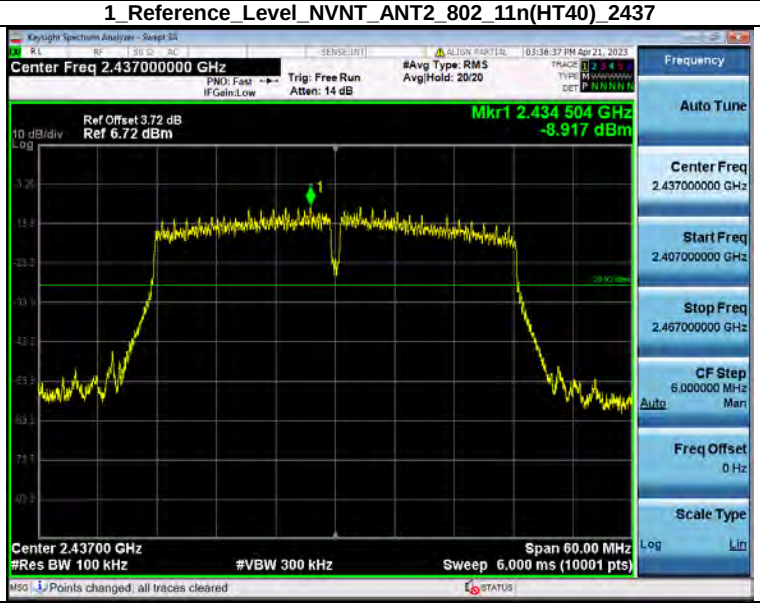

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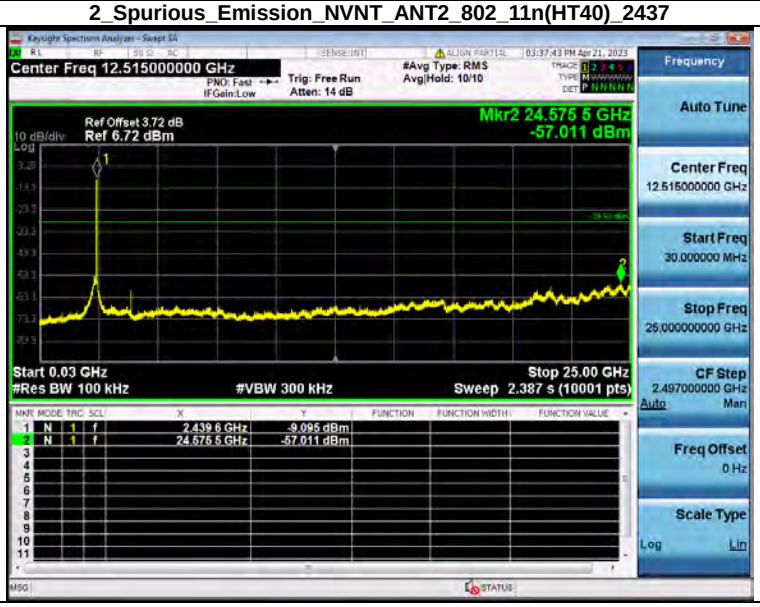

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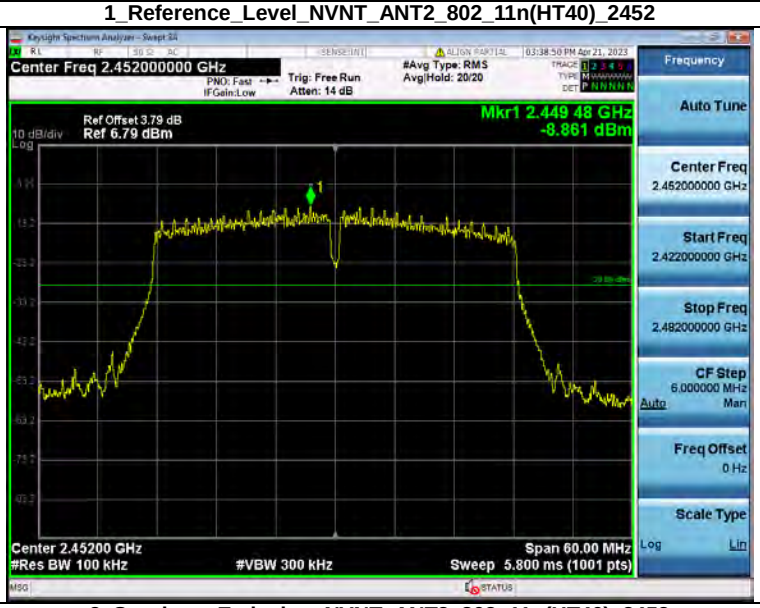

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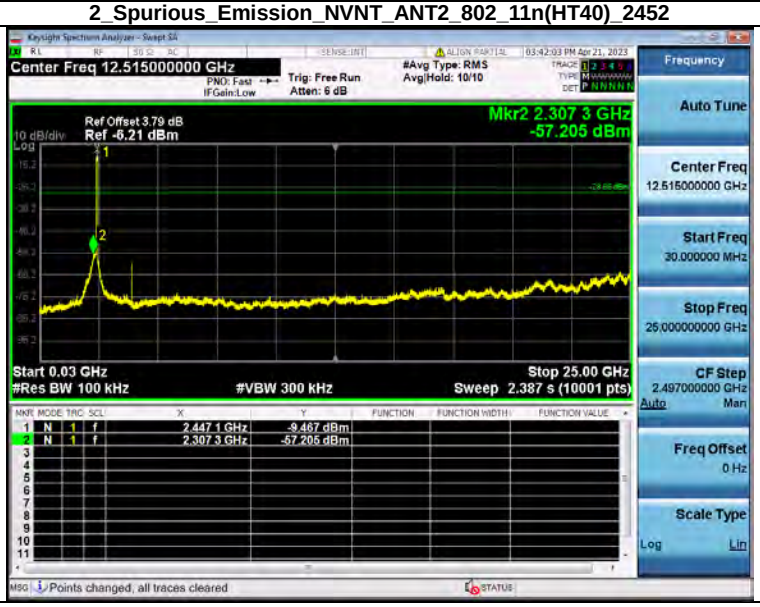

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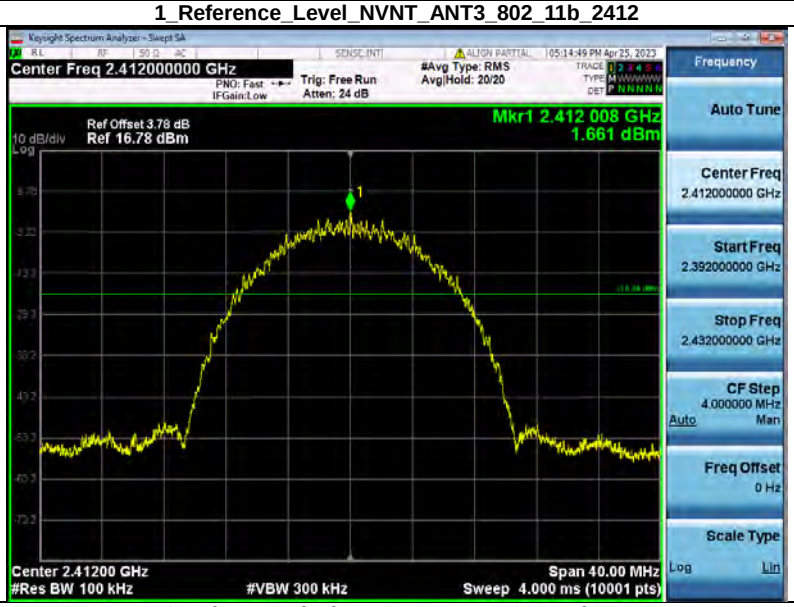

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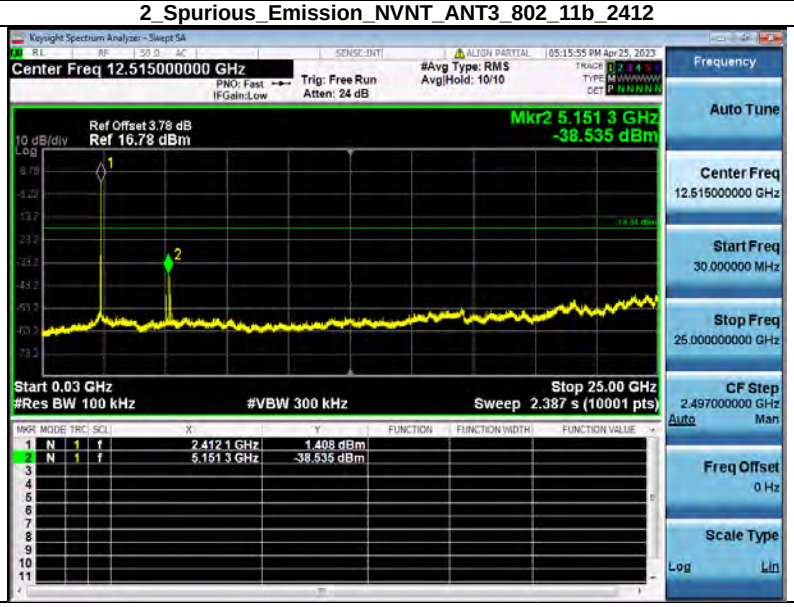

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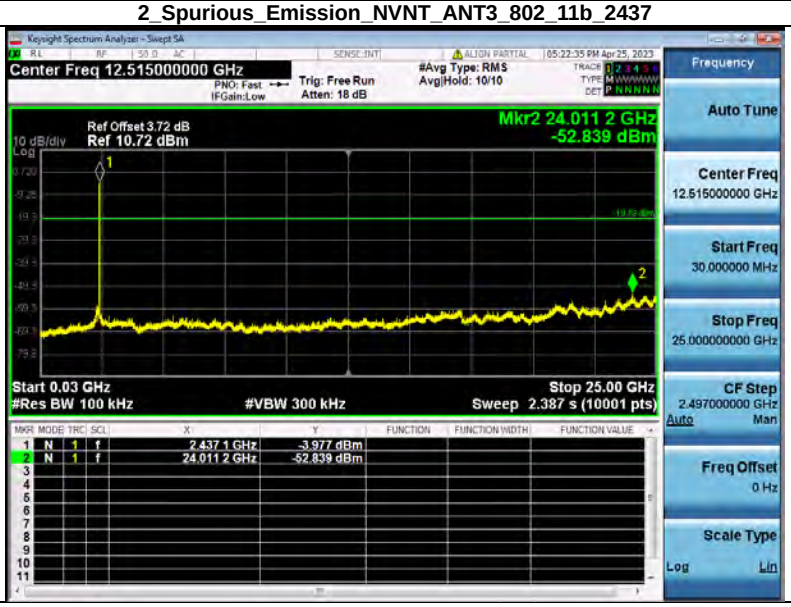

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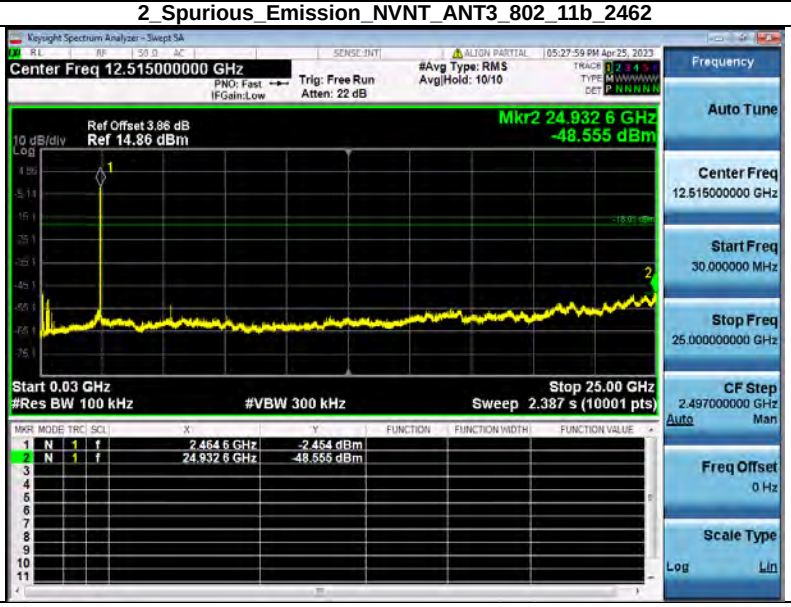

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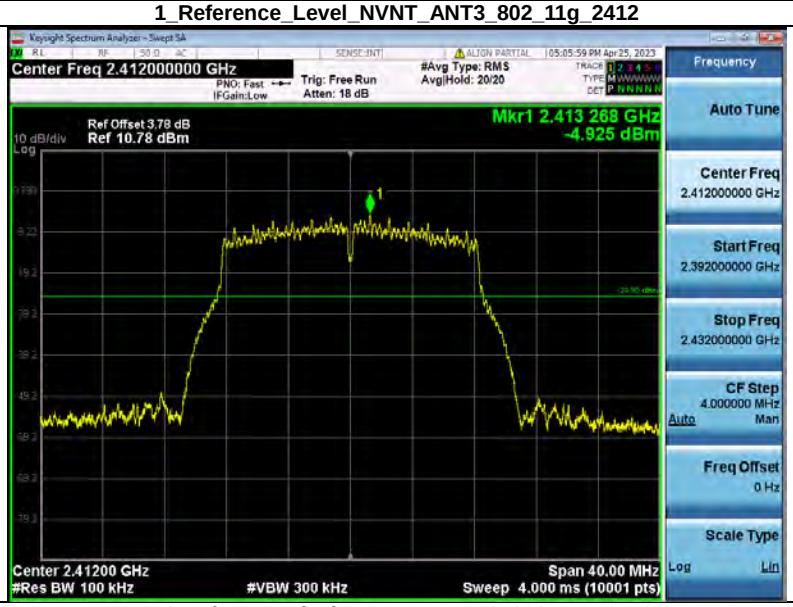

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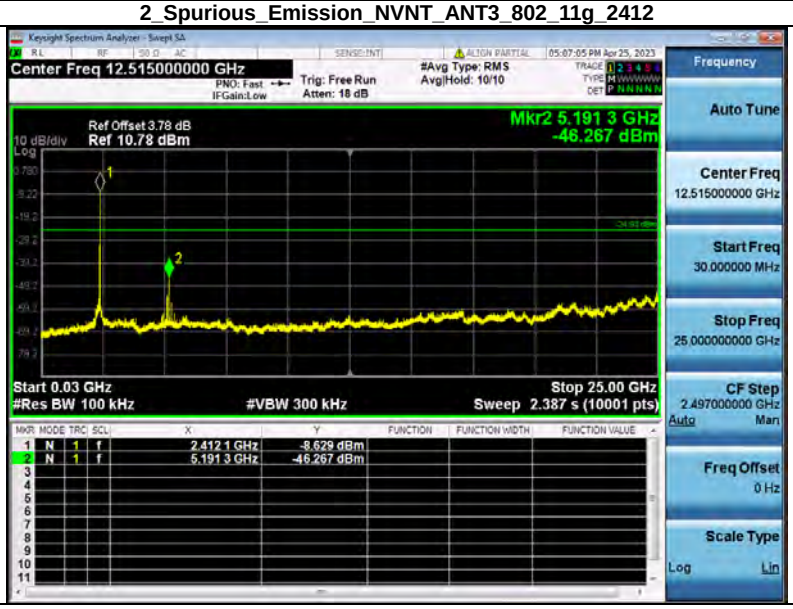

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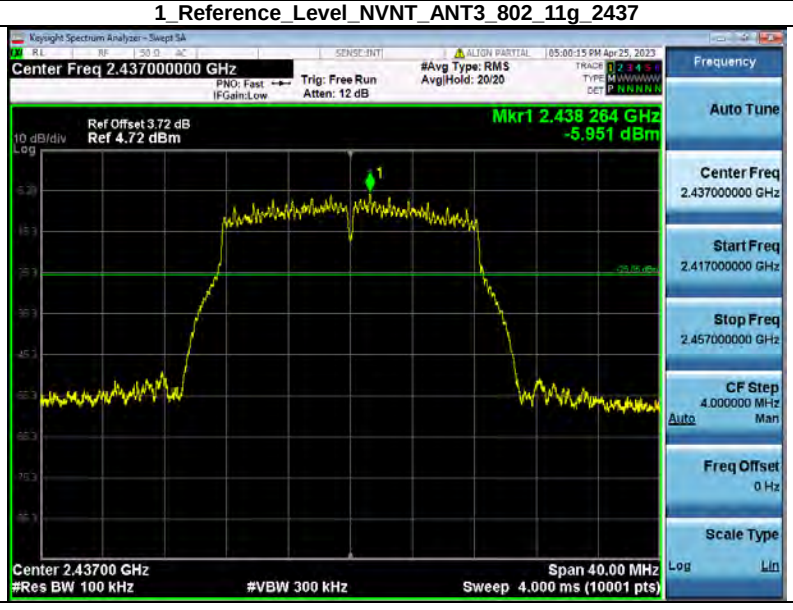

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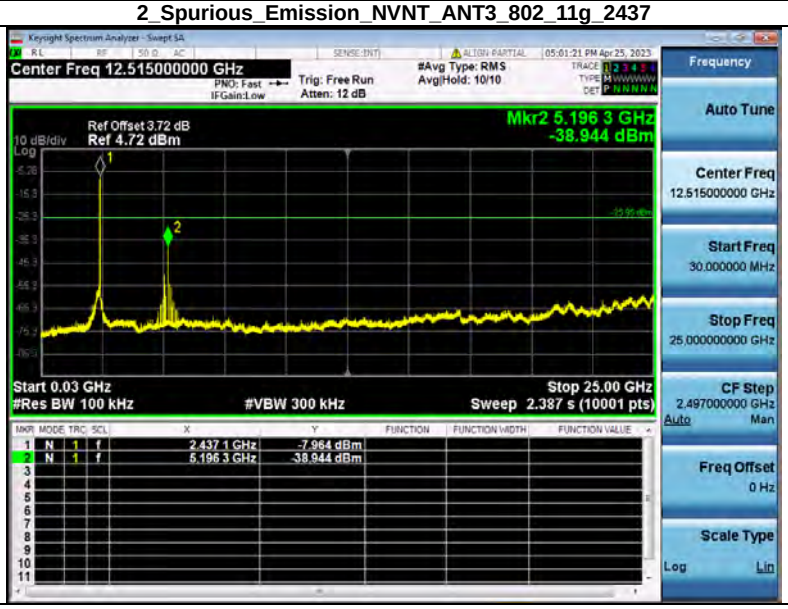

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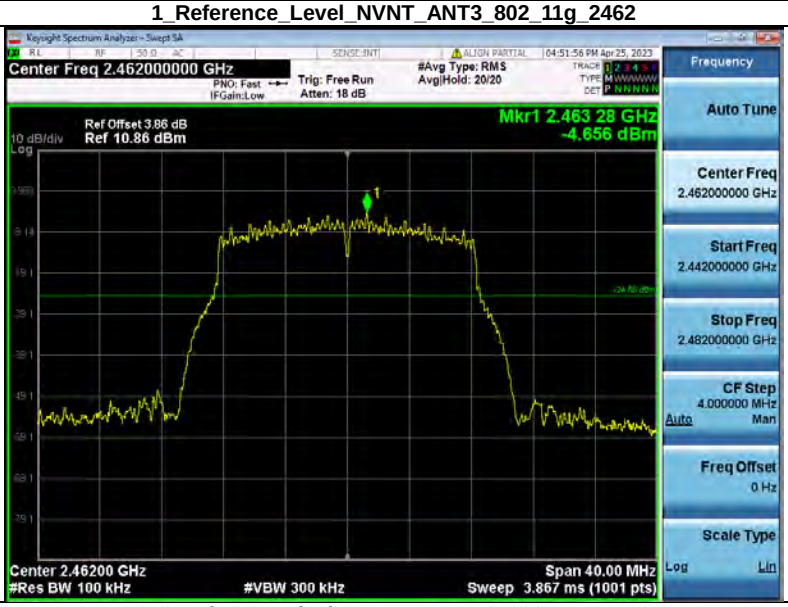
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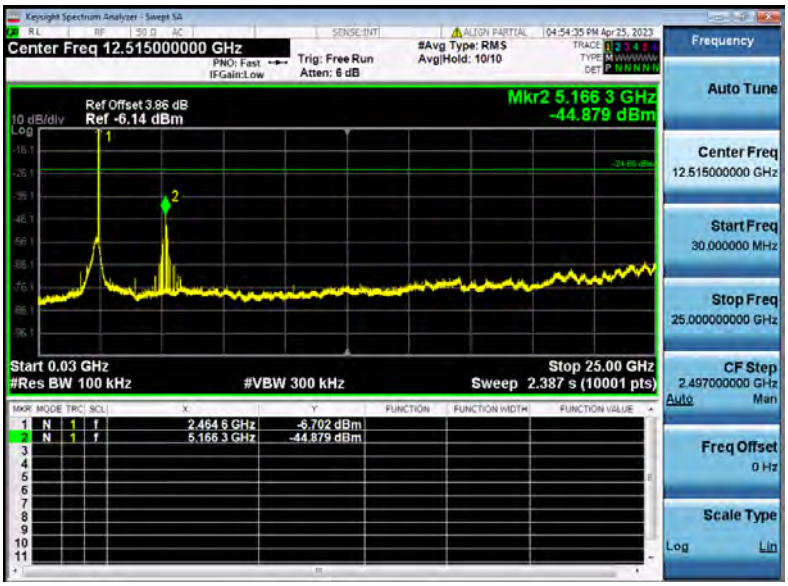

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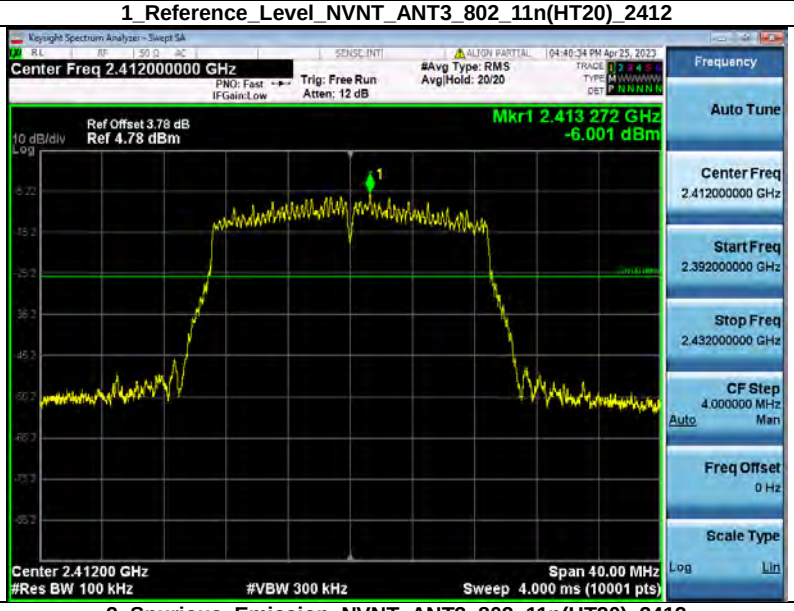

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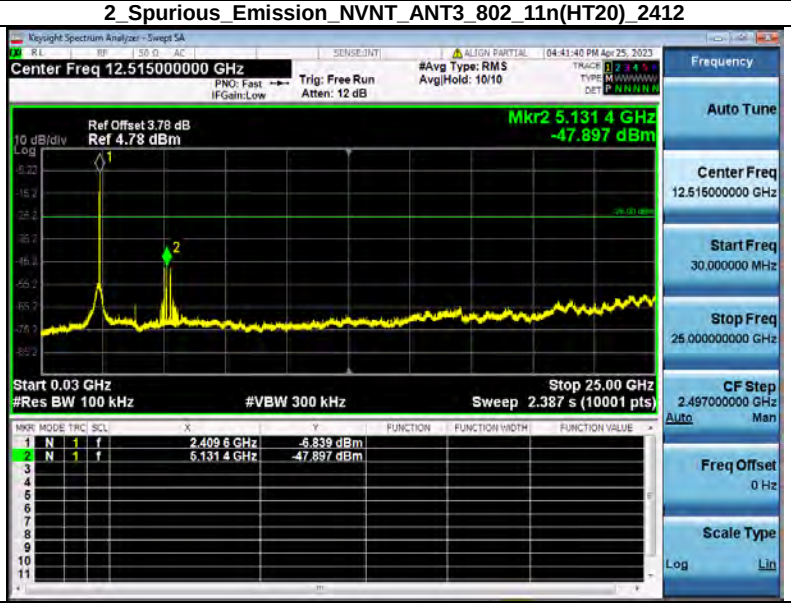

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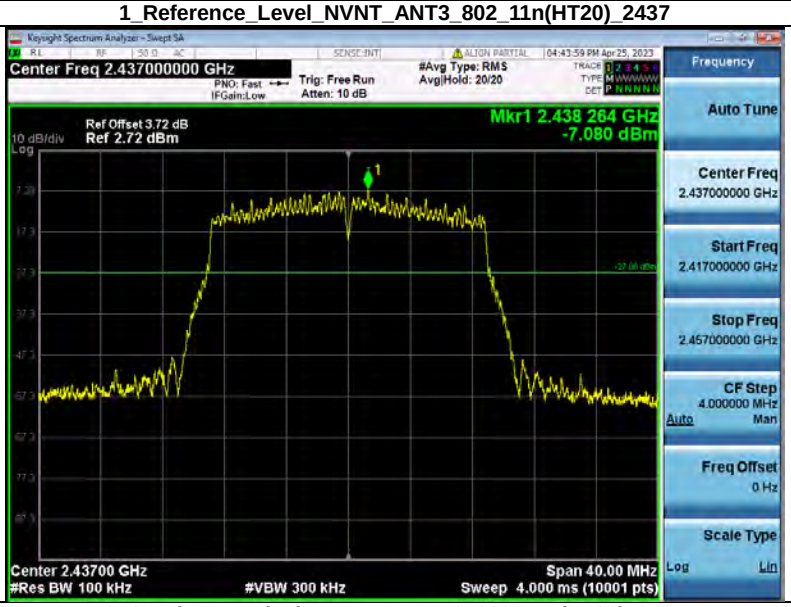

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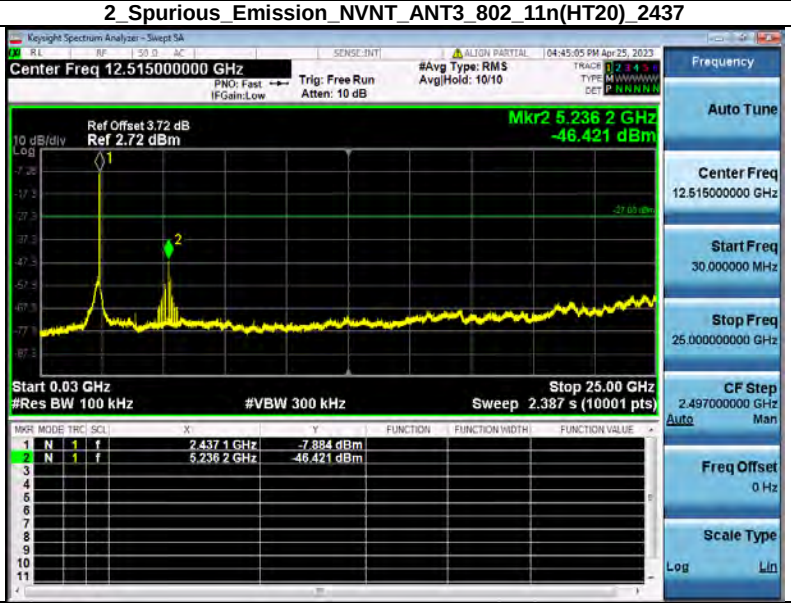

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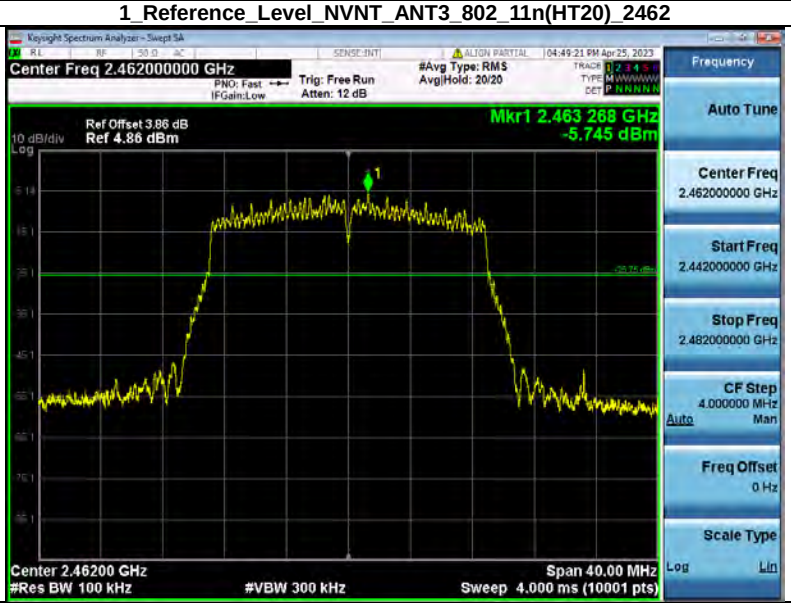

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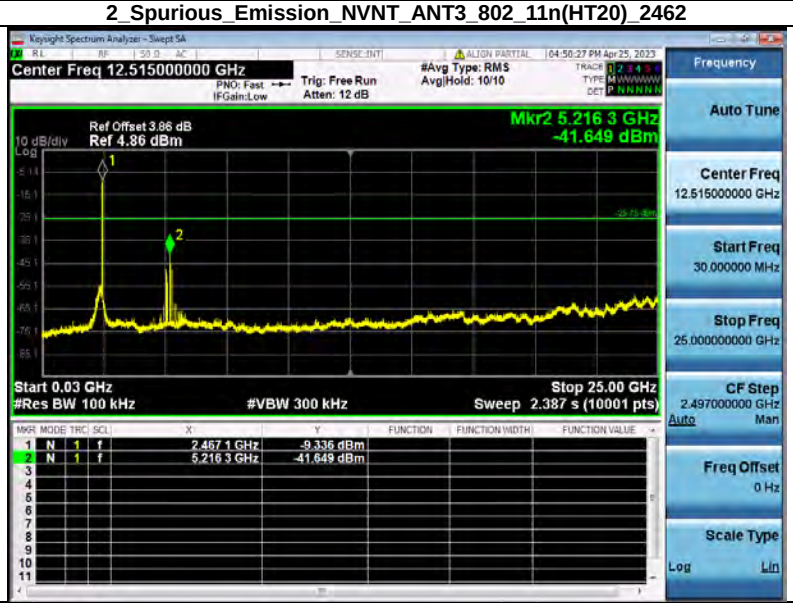

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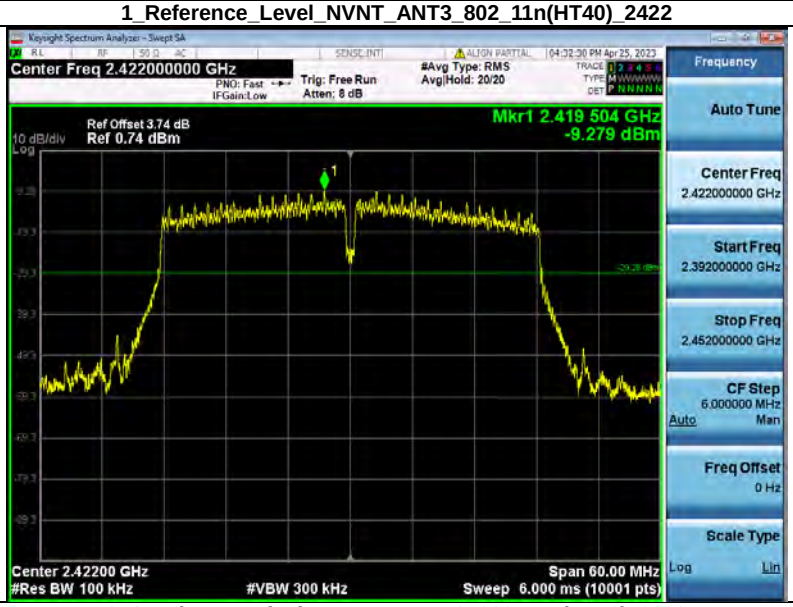

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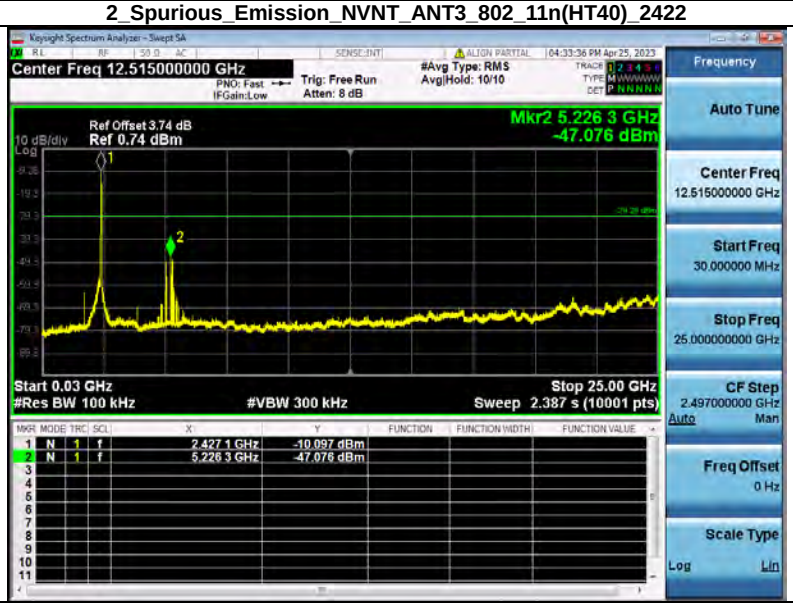

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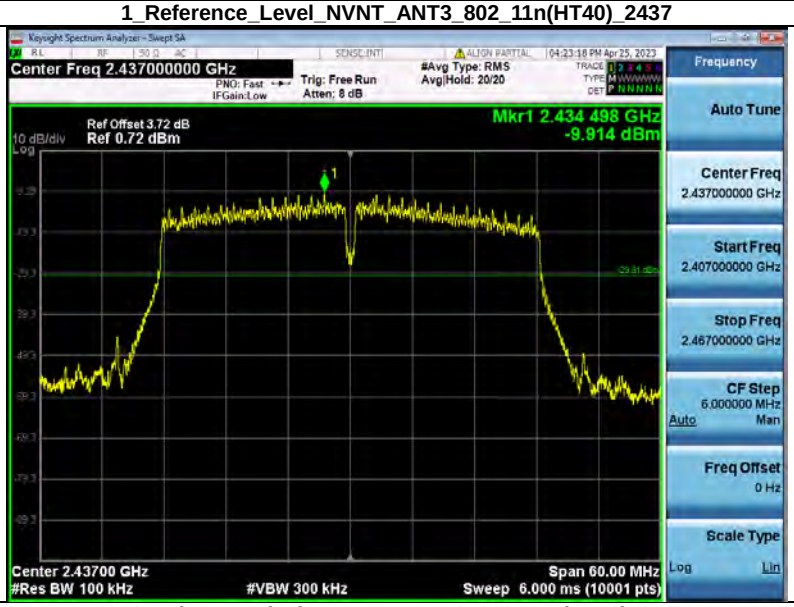

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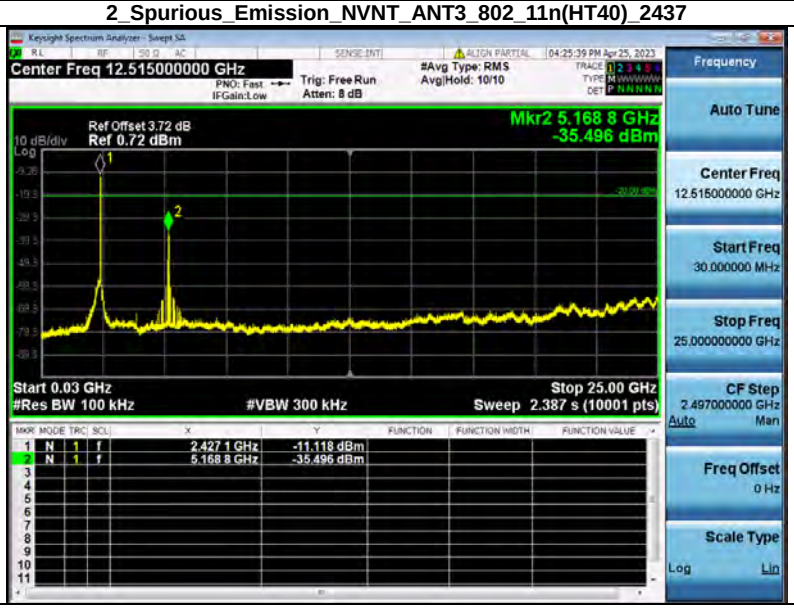

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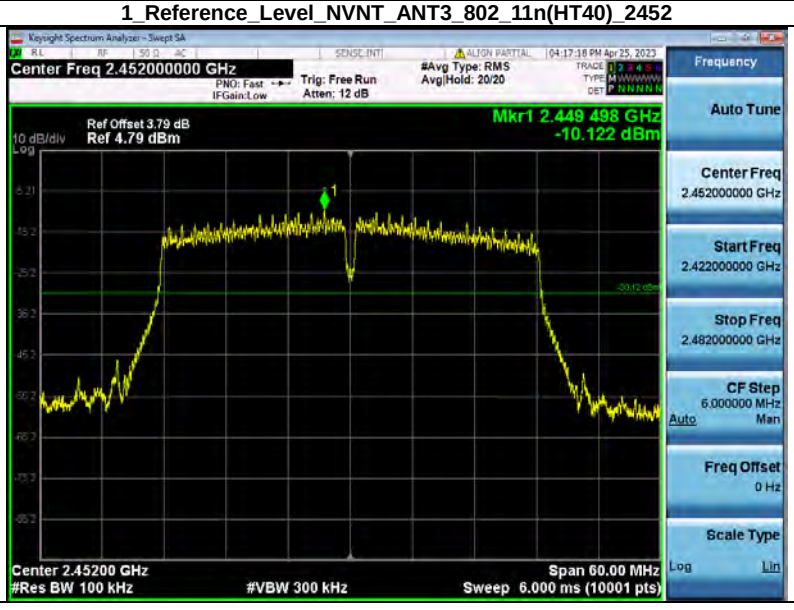

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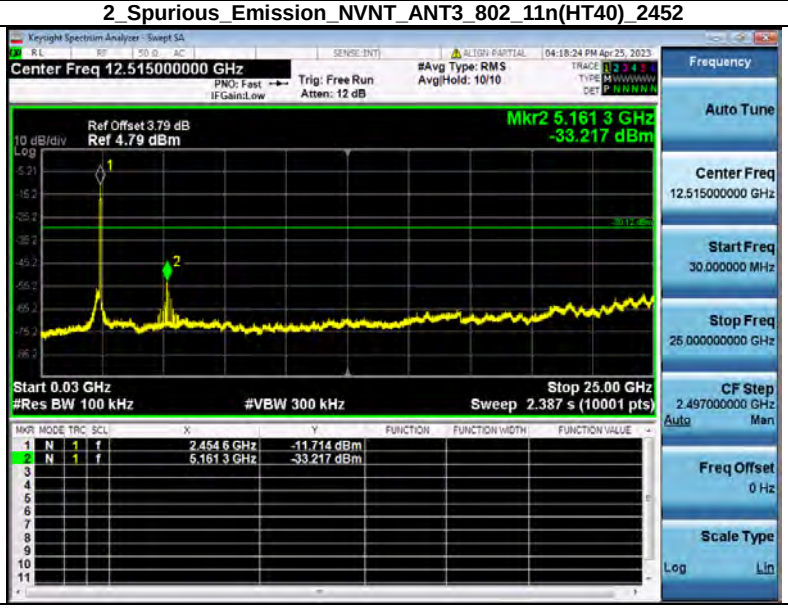

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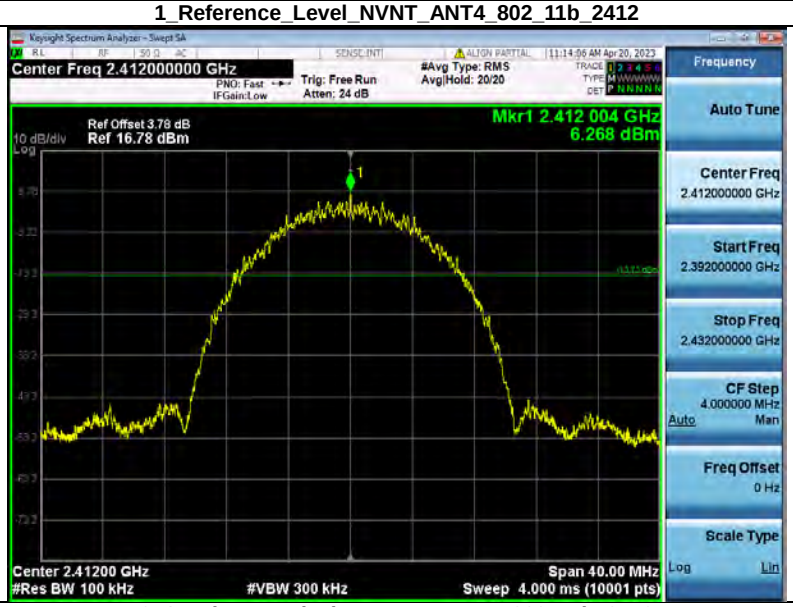
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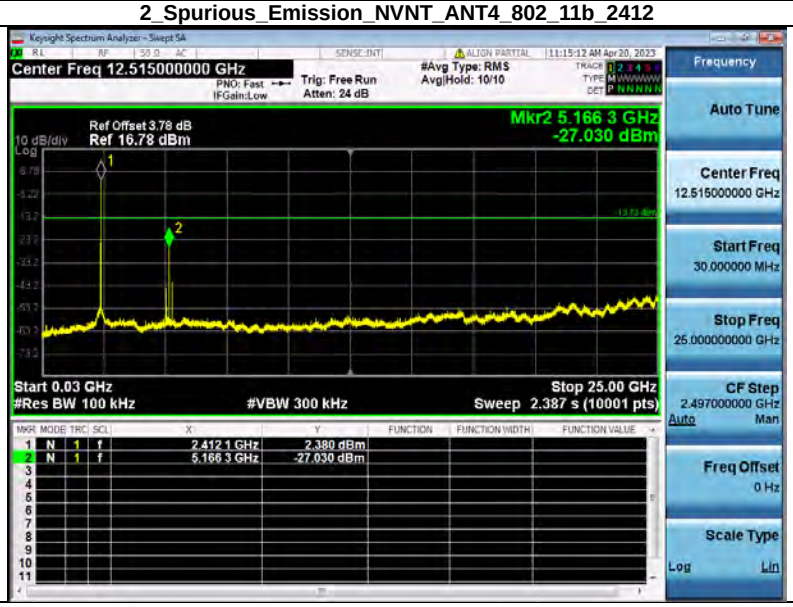

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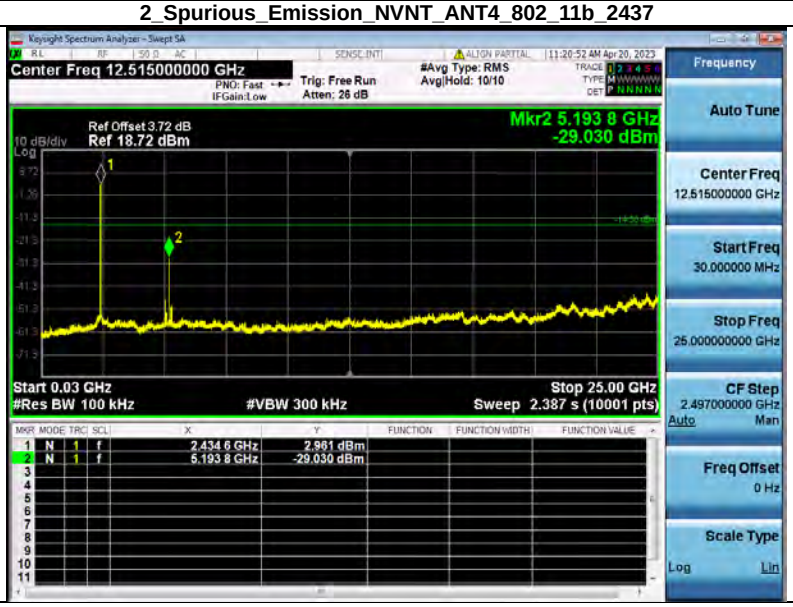

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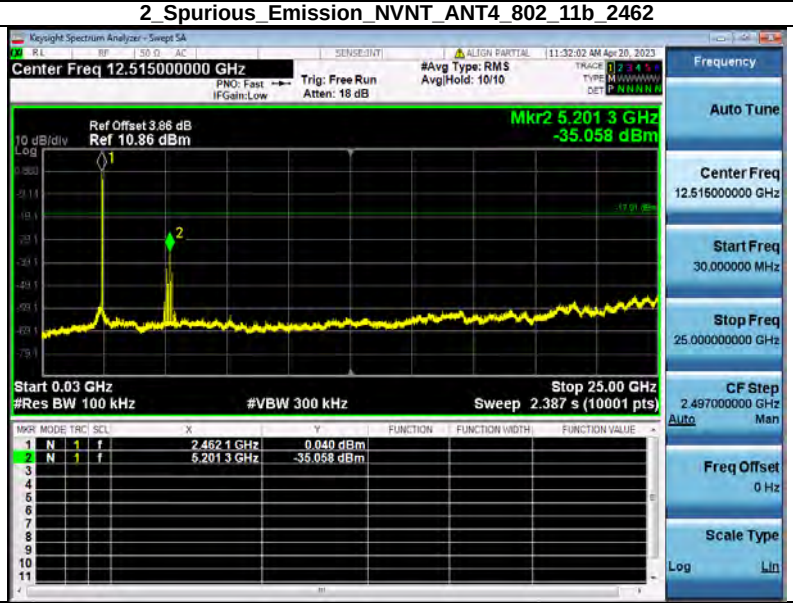

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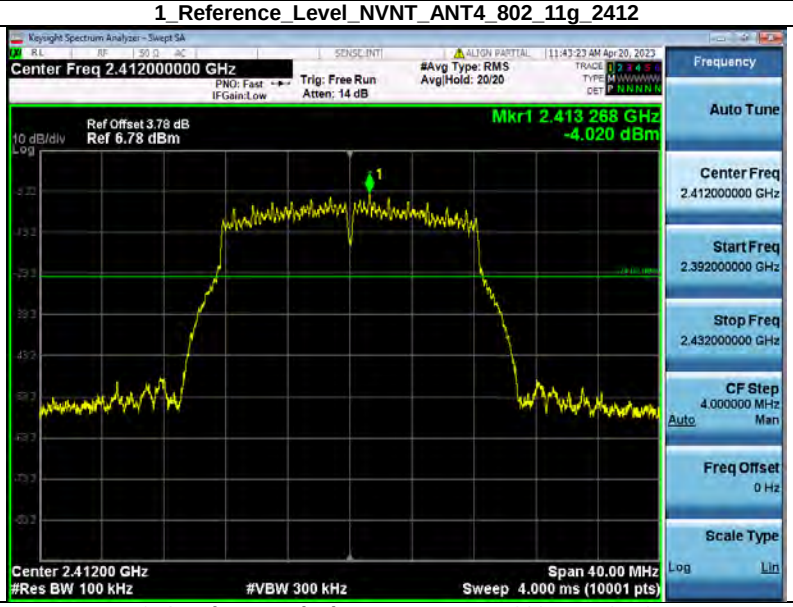

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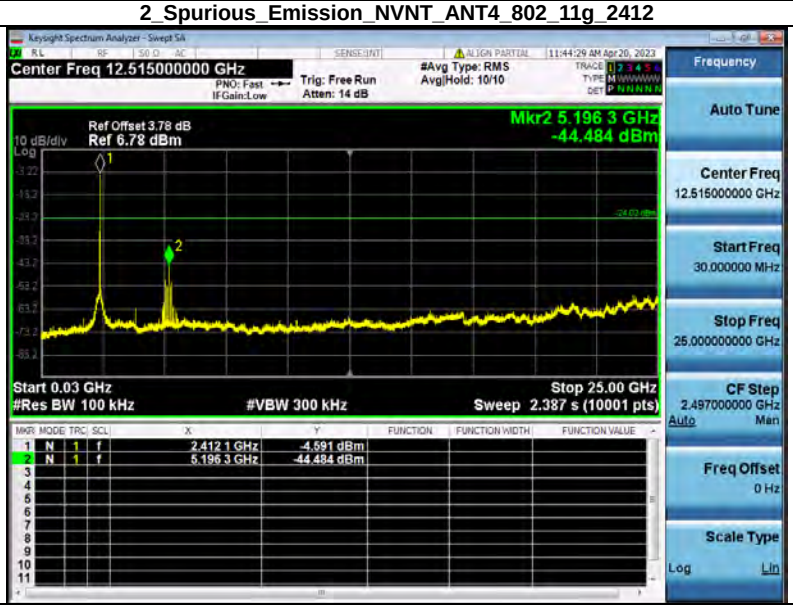

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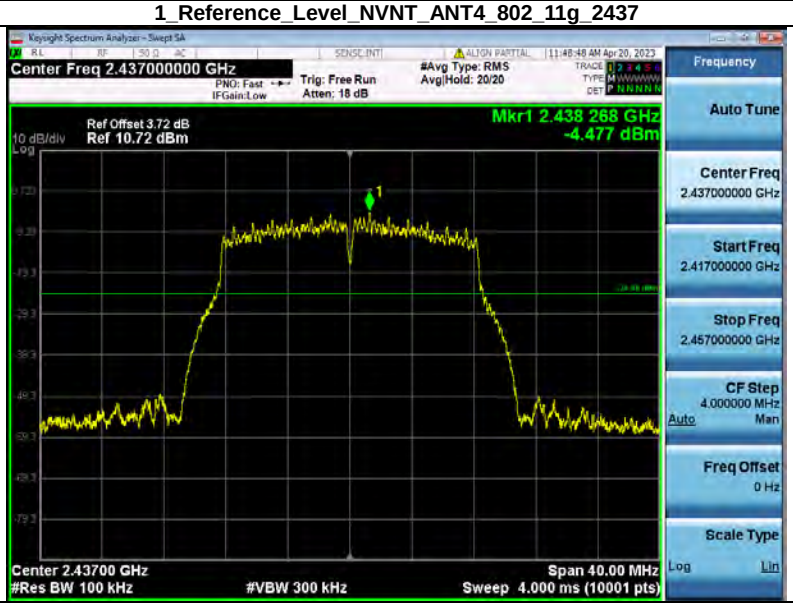

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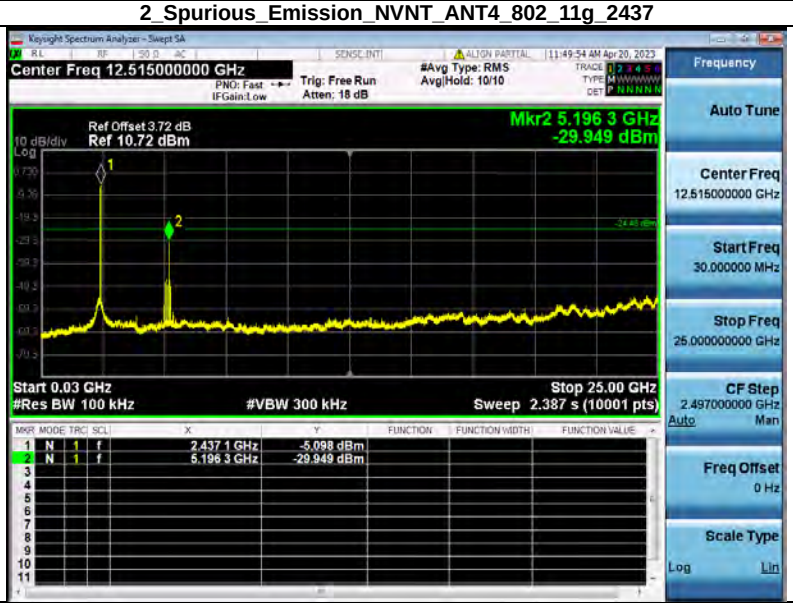

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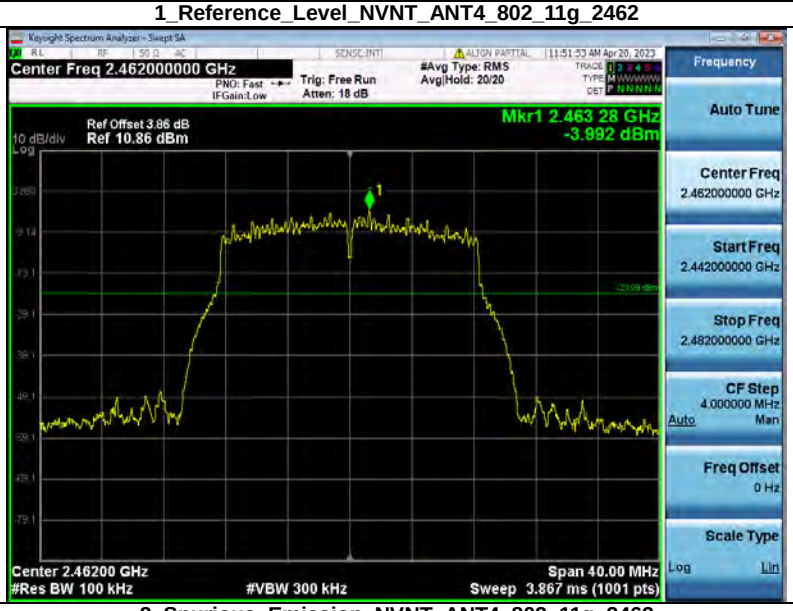

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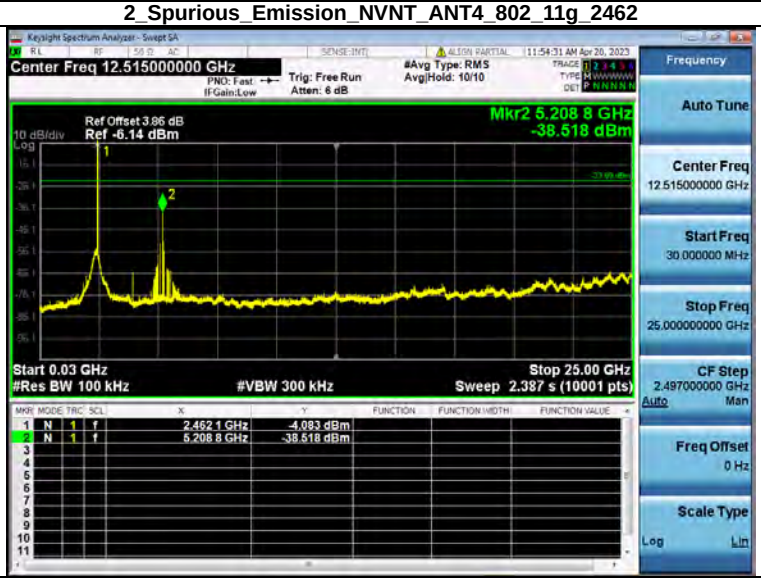

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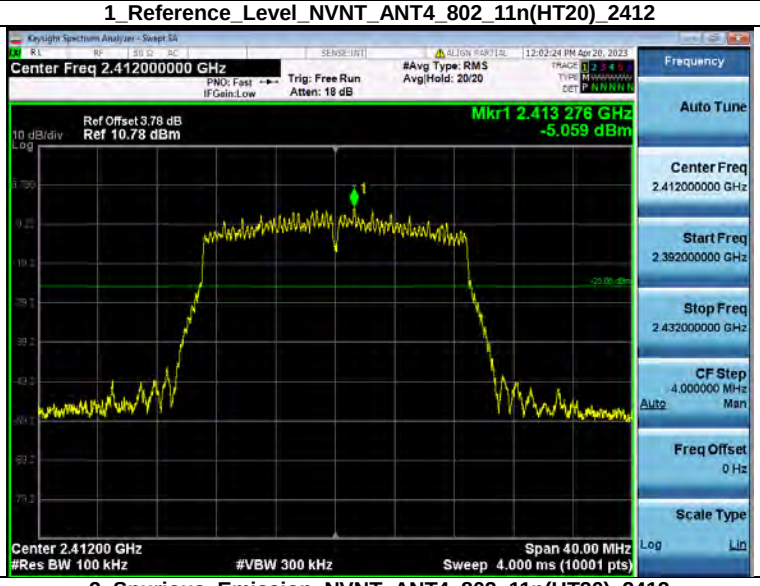

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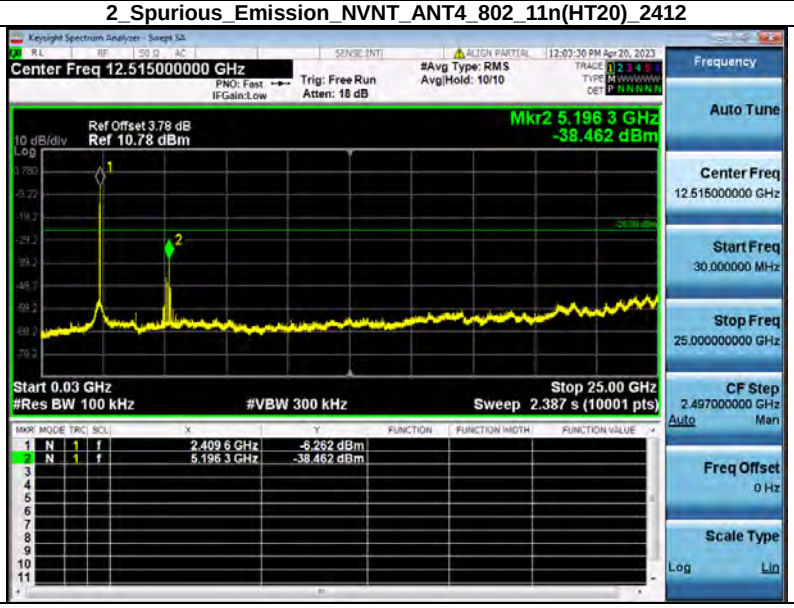

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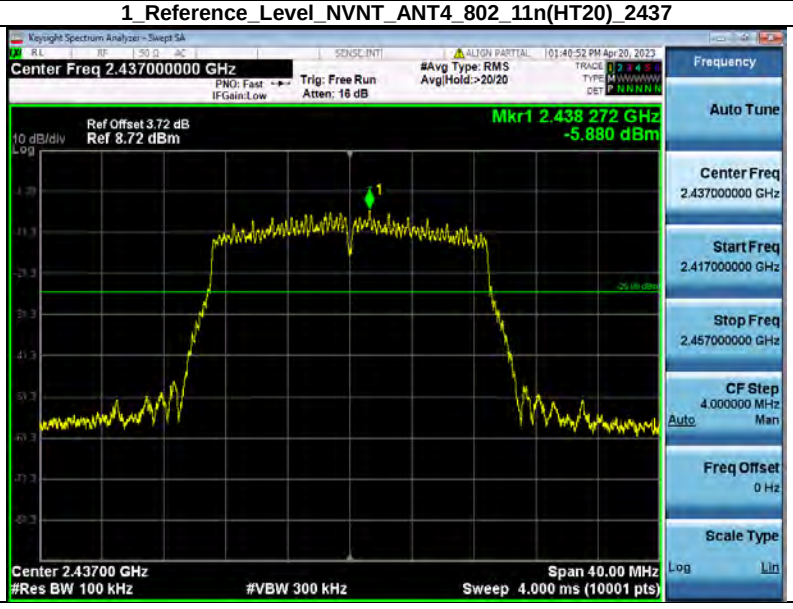

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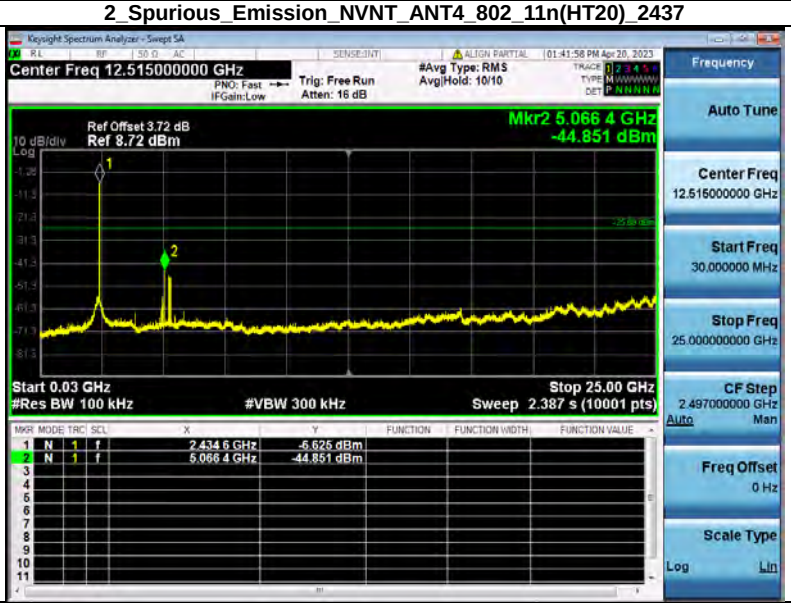

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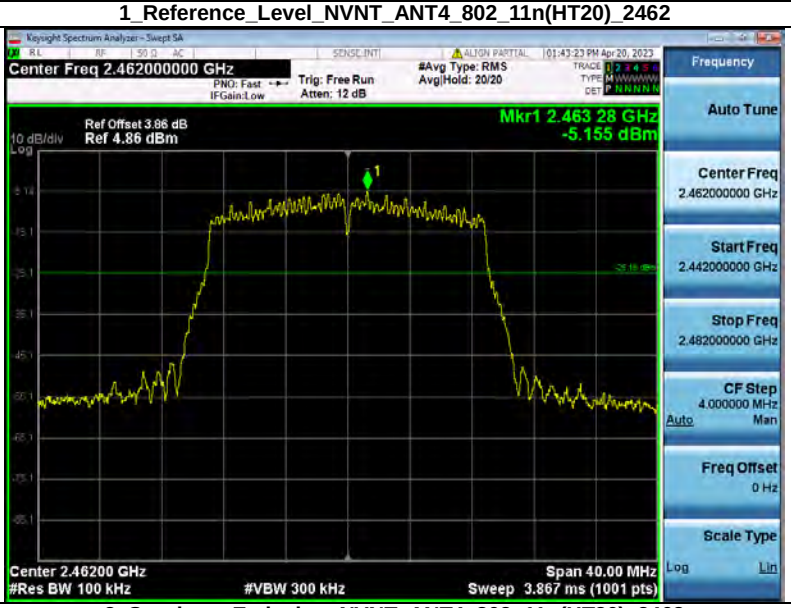

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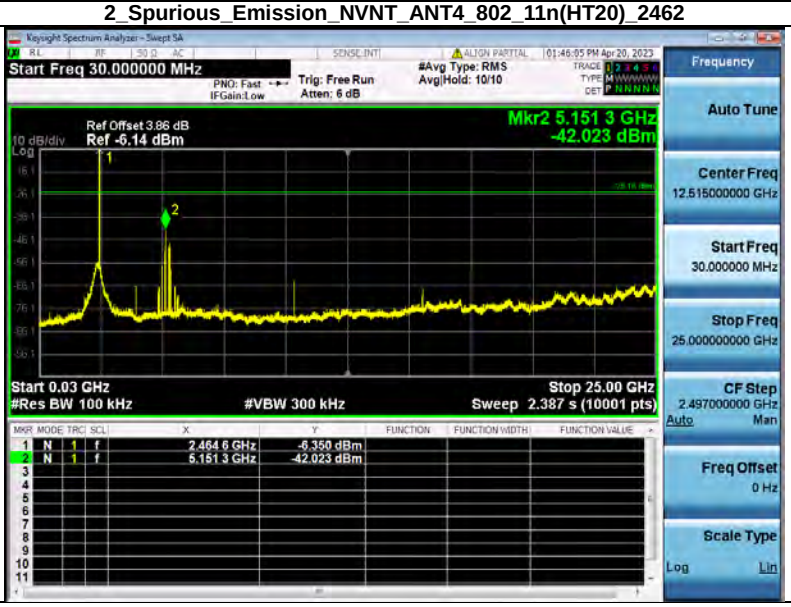
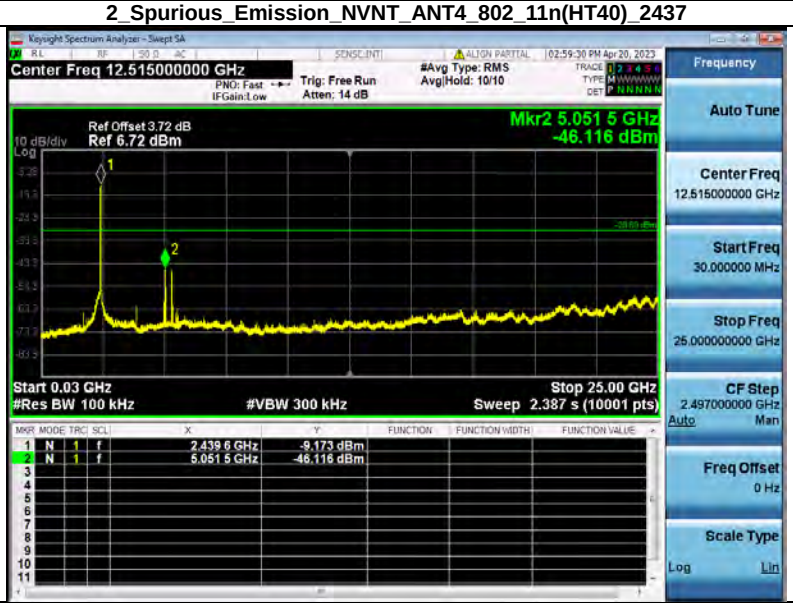


1_Reference_Level_NVNT_ANT4_802_11n(HT40)_2422


2_Spurious_Emission_NVNT_ANT4_802_11n(HT40)_2422


1_Reference_Level_NVNT_ANT4_802_11n(HT40)_2437


2_Spurious_Emission_NVNT_ANT4_802_11n(HT40)_2437



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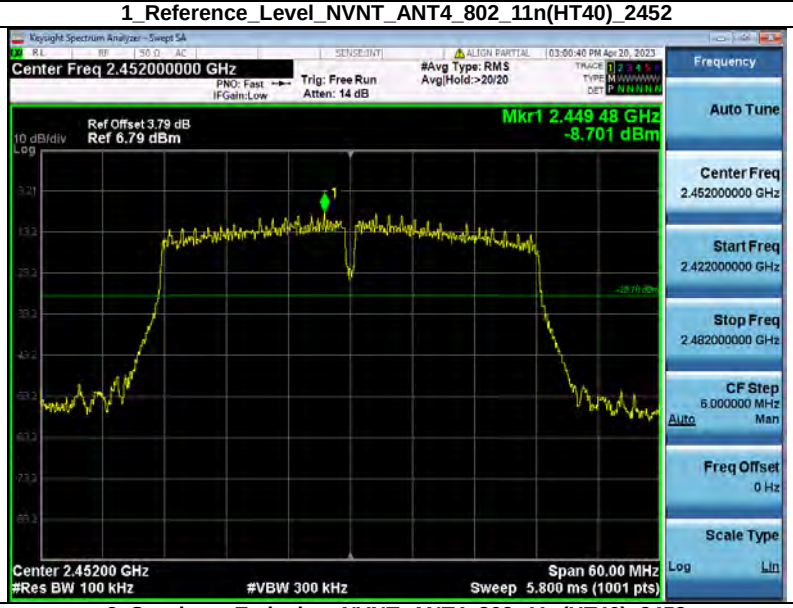

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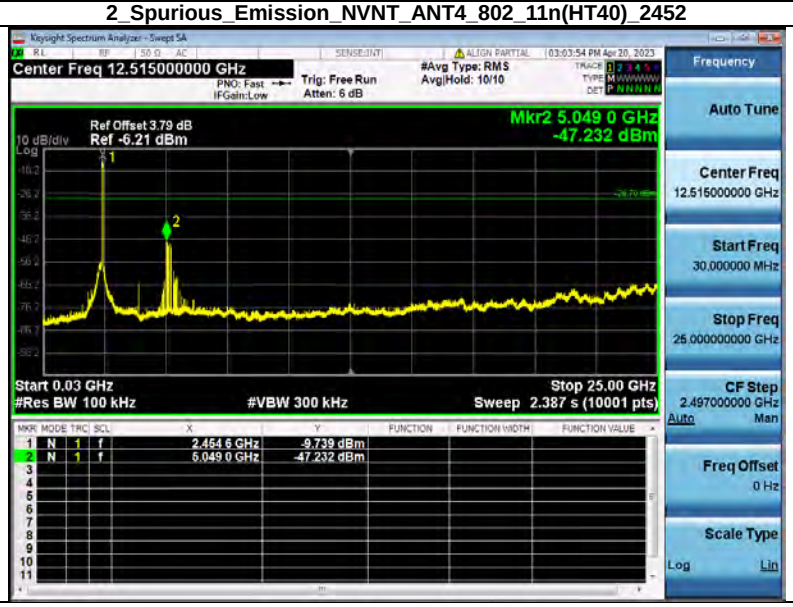
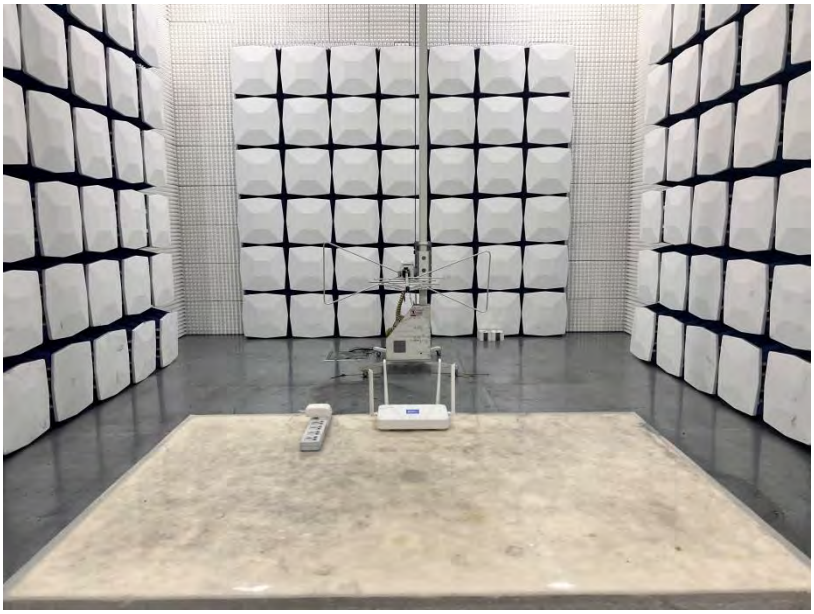
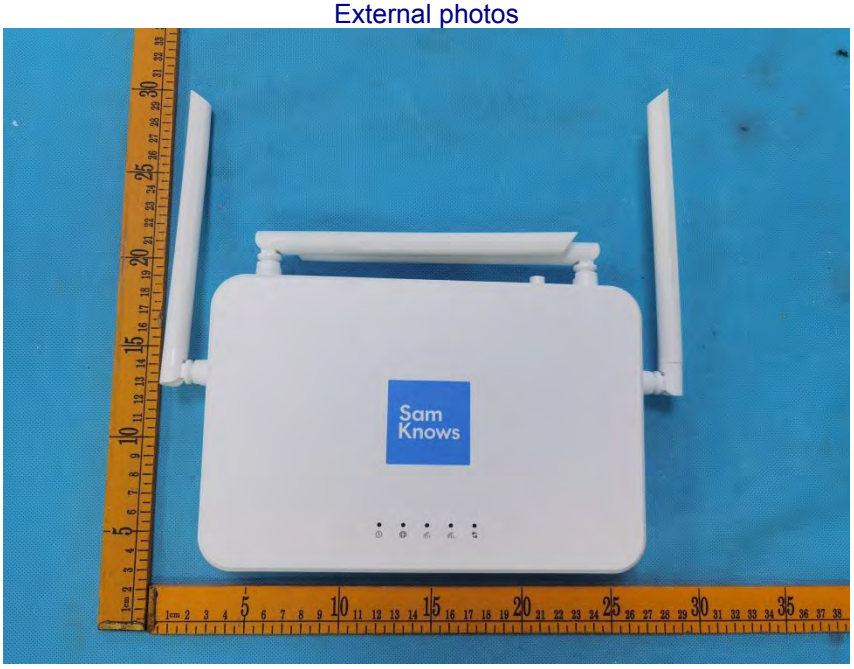


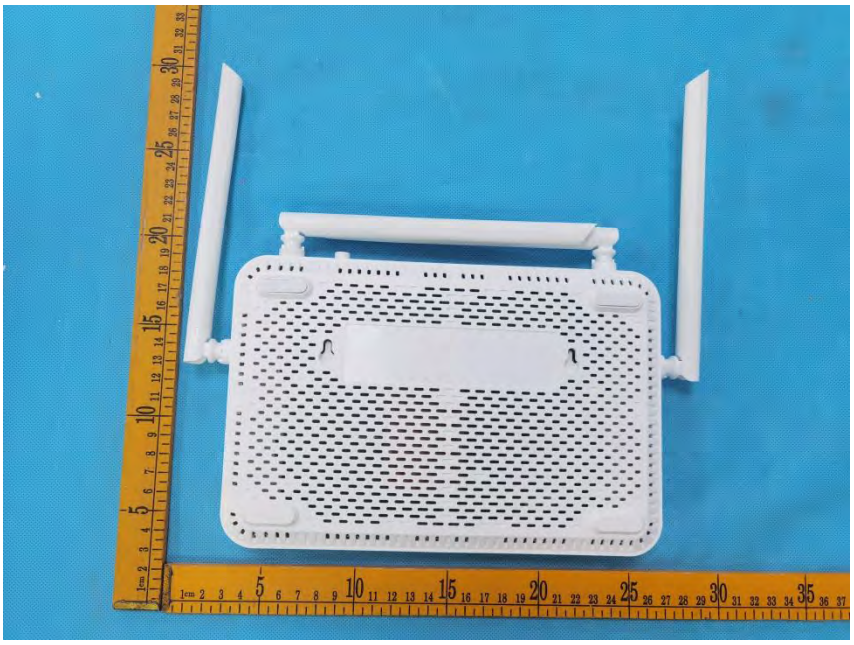
12. TEST SETUP PHOTO



13. EUT CONSTRUCTIONAL DETAILS

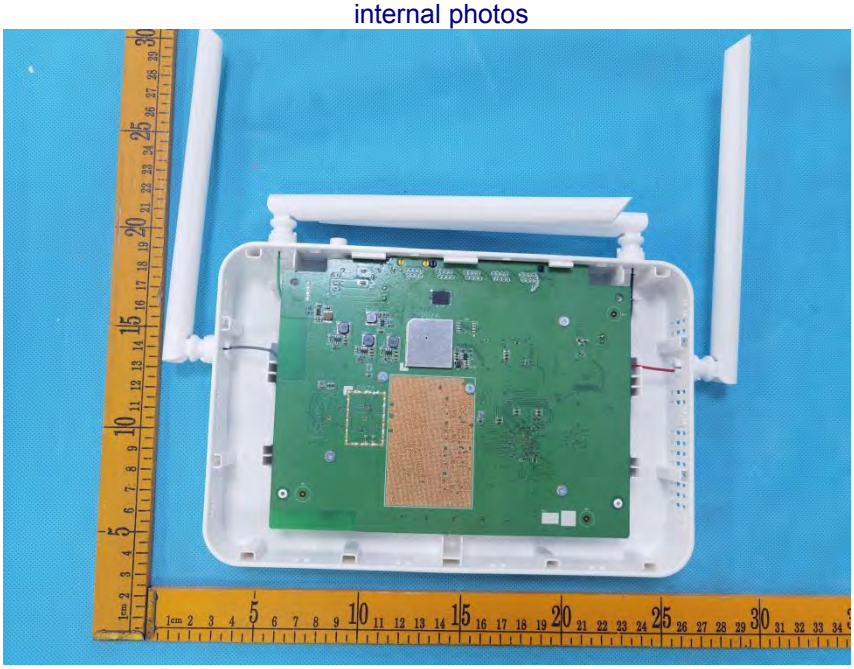
External photos

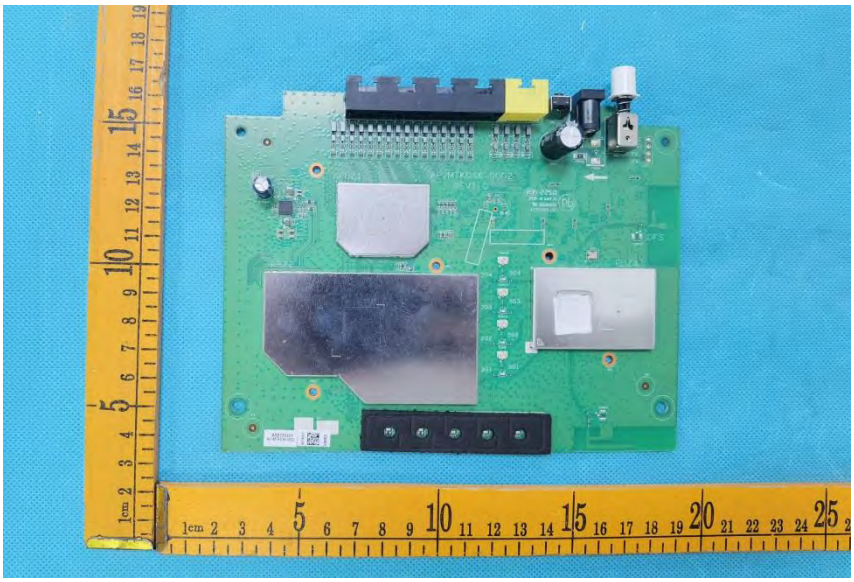


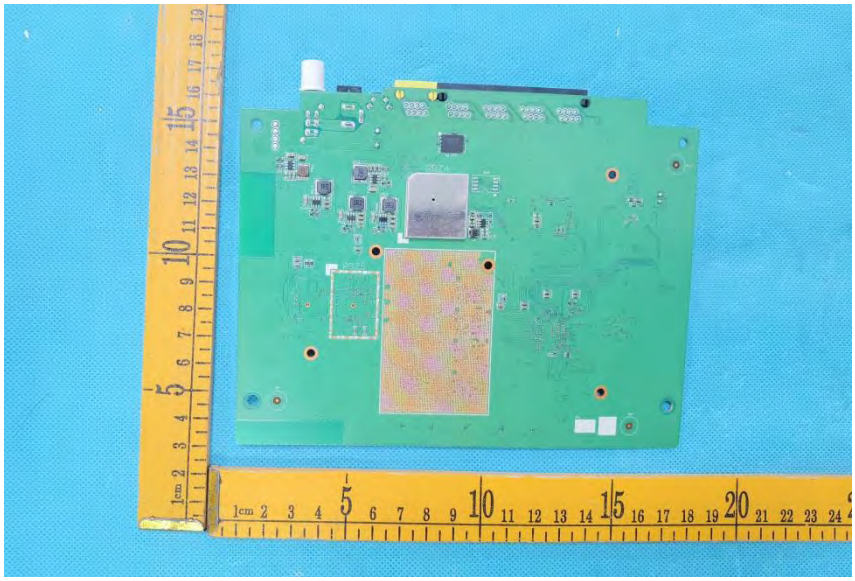


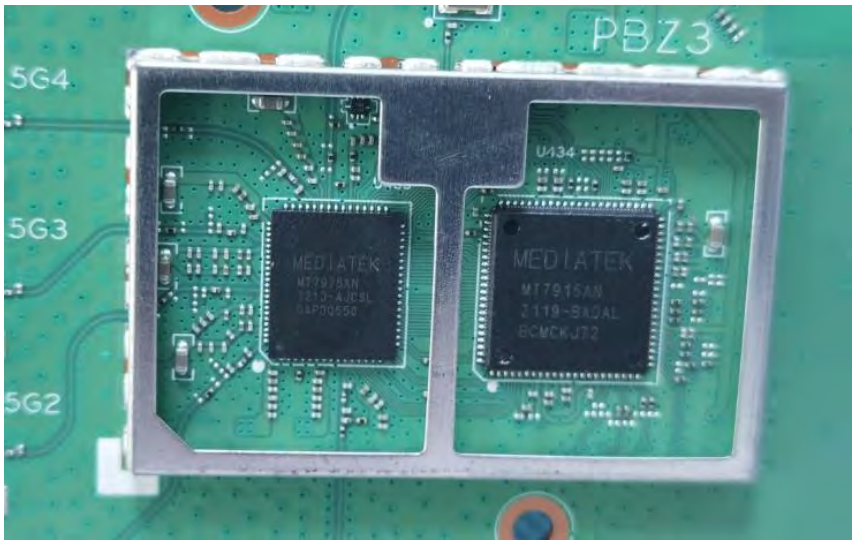

On/OFF
Power
Reset
WAN
LAN1
LAN2
LAN3
LAN4

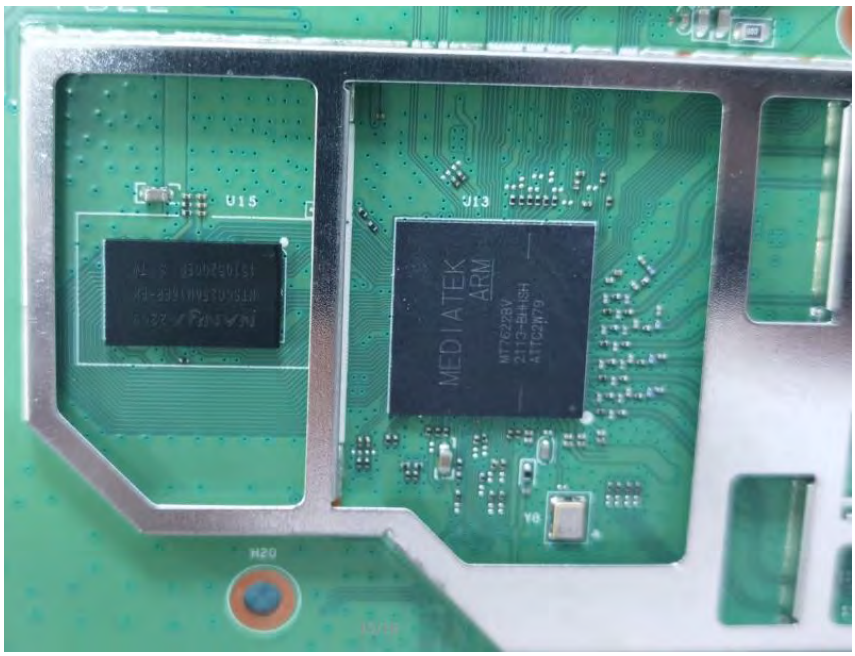
internal photos








PBZ3
5G4
5G3
5G2
U434
MEDIATEK
MEDIATEK


U15
U13
MEDIATEK
ARM

※※※※※ END OF REPORT ※※※※※