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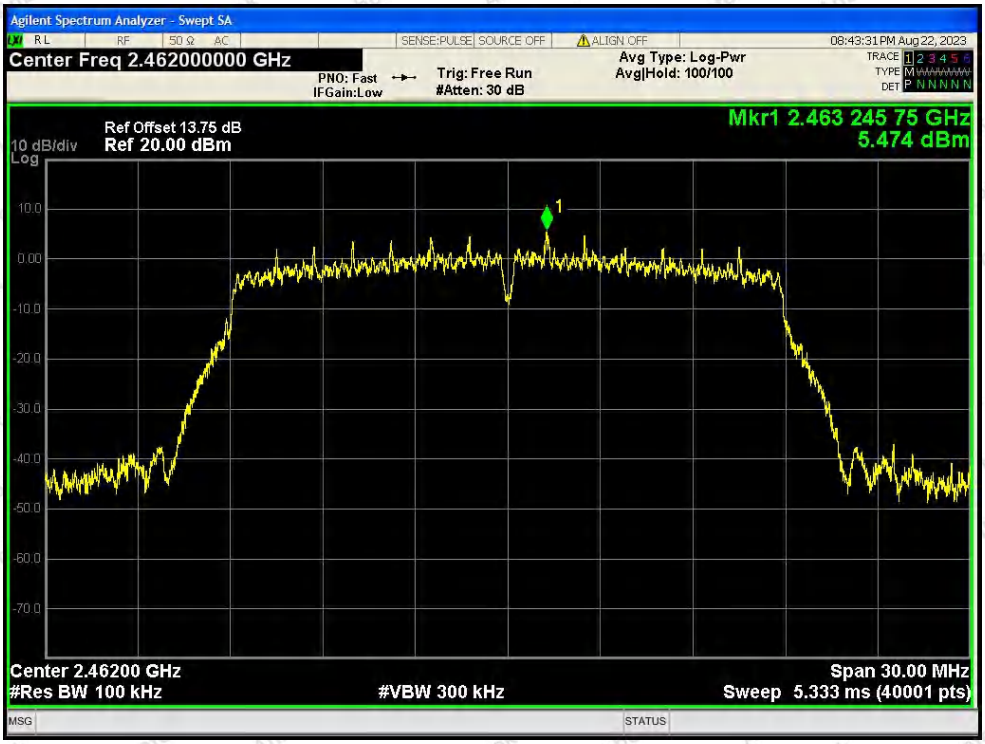
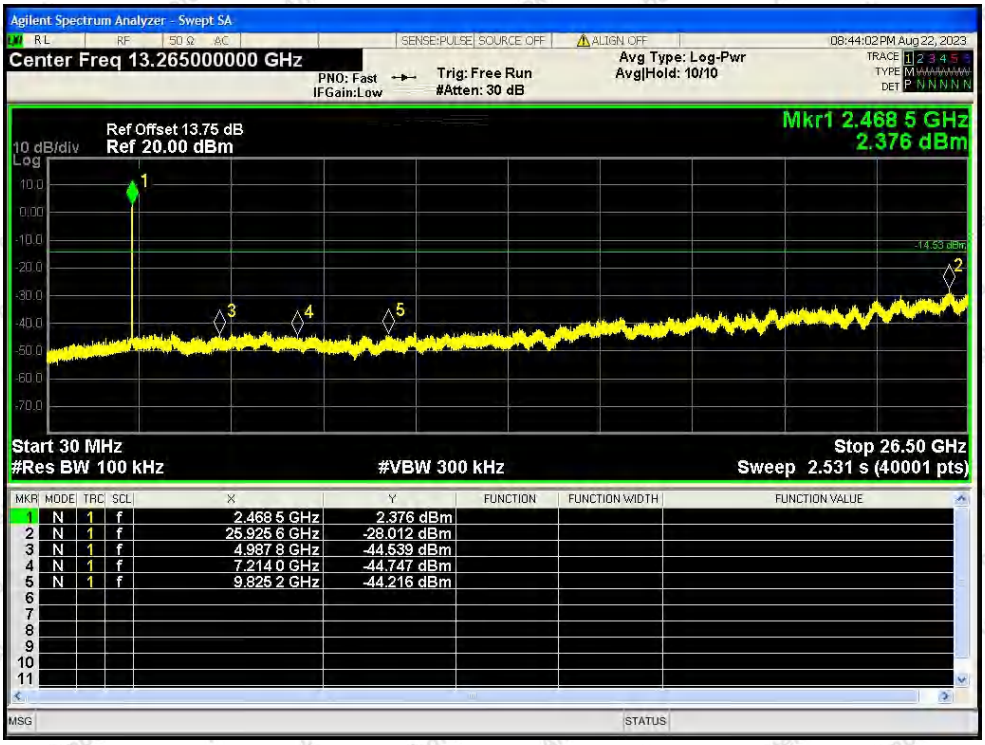


Tx. Spurious NVNT n20 2462MHz Ant0 Emission MIMO



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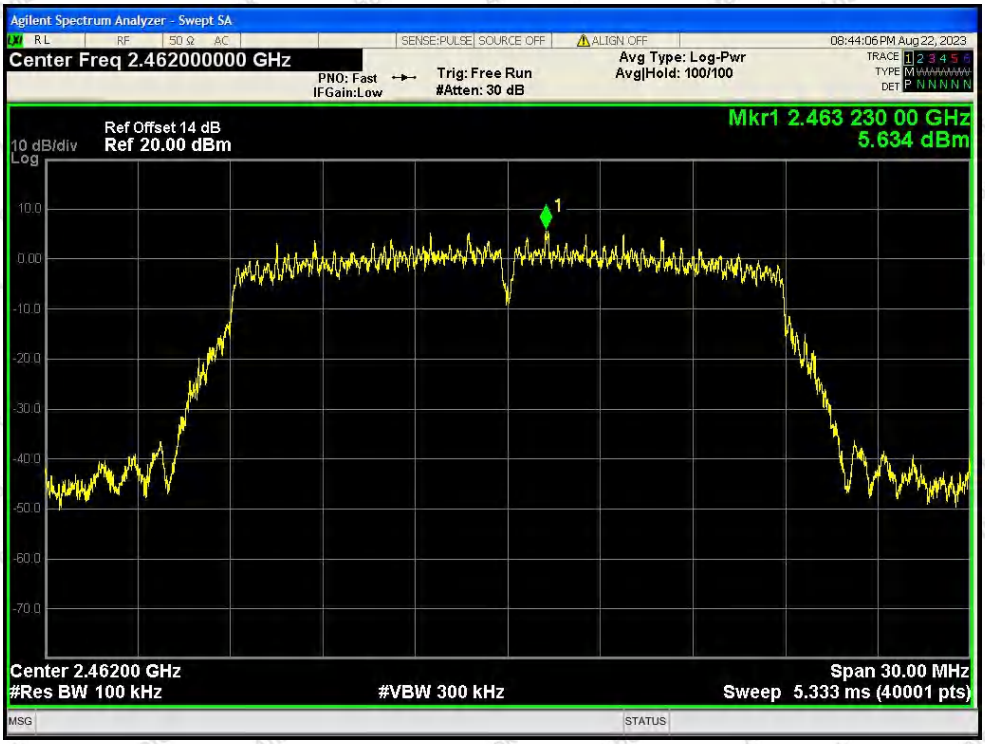

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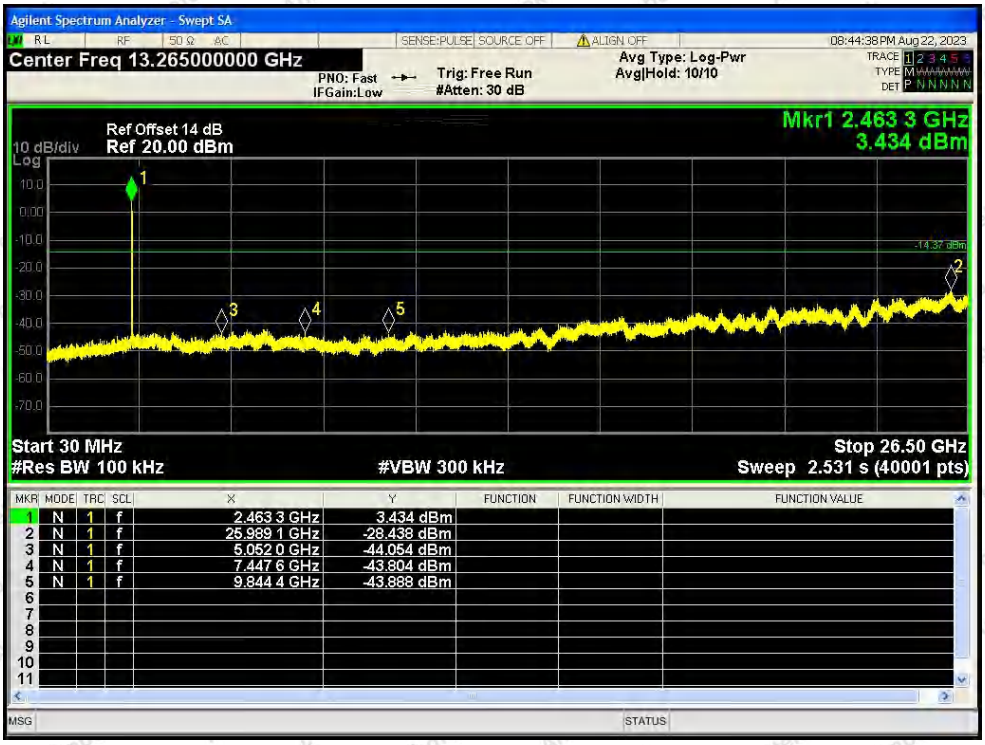
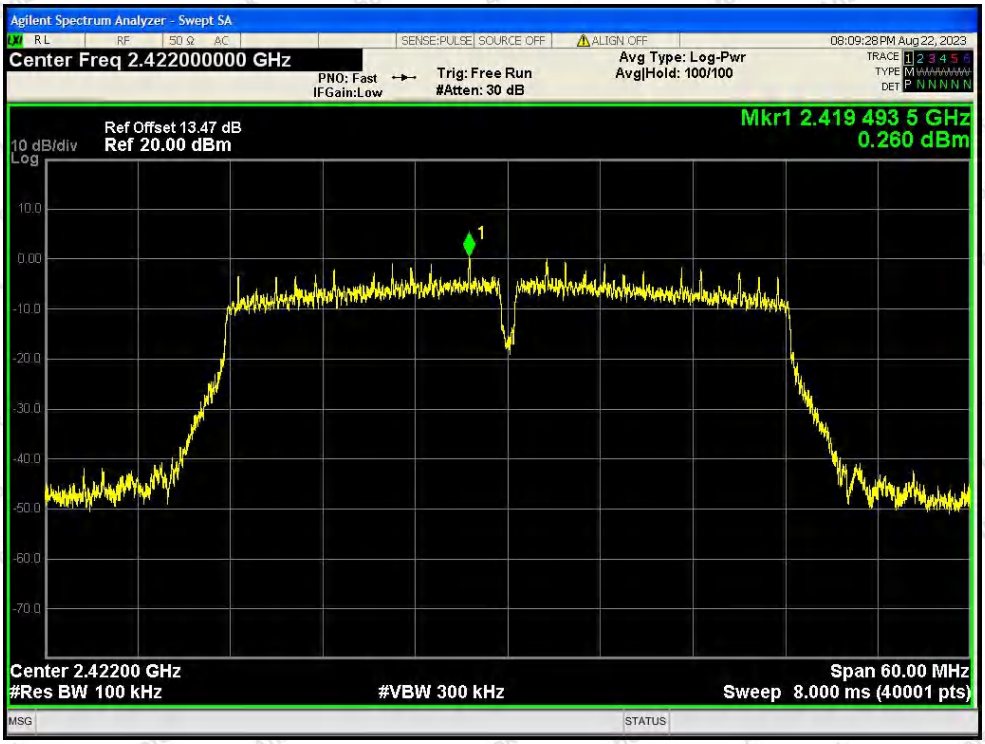


Tx. Spurious NVNT n40 2422MHz Ant0 Ref SISO



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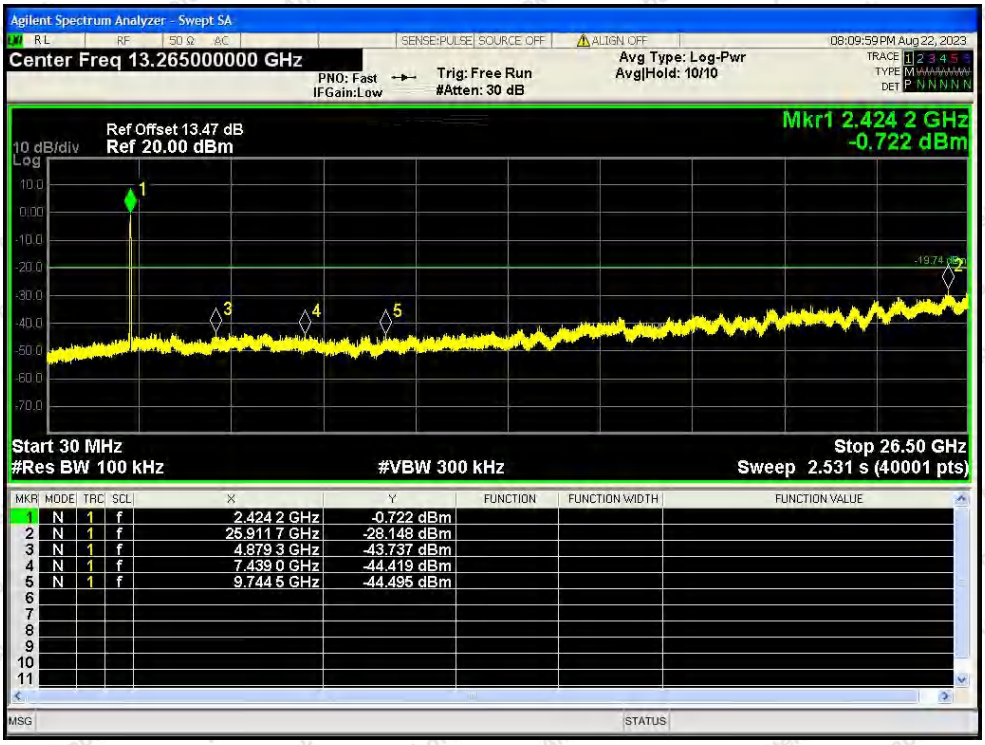

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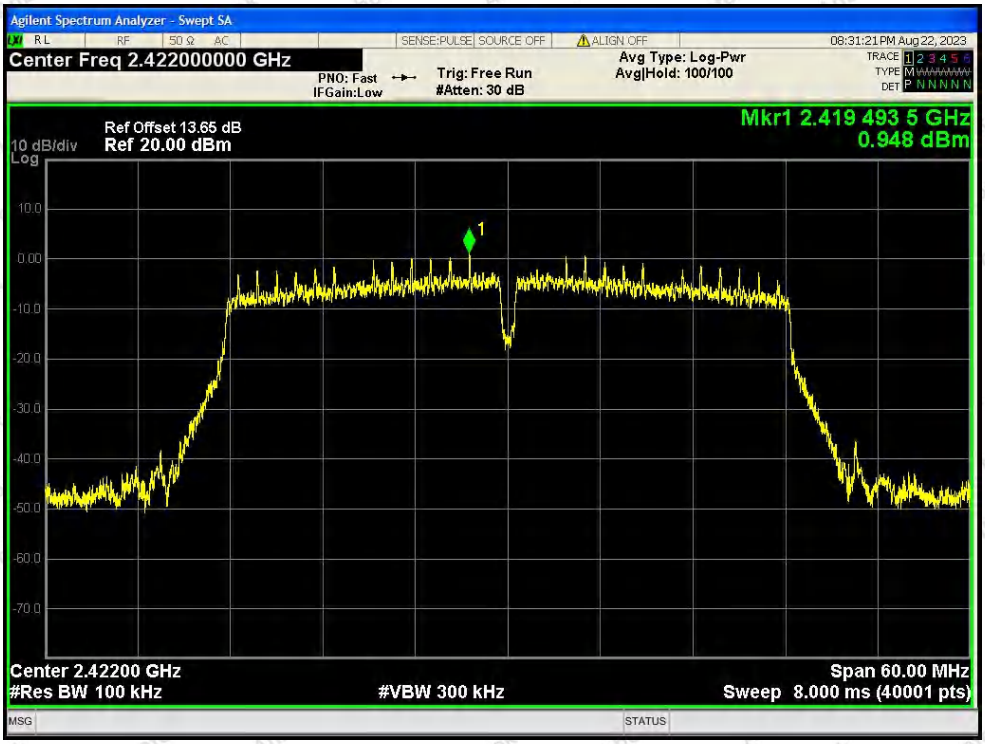

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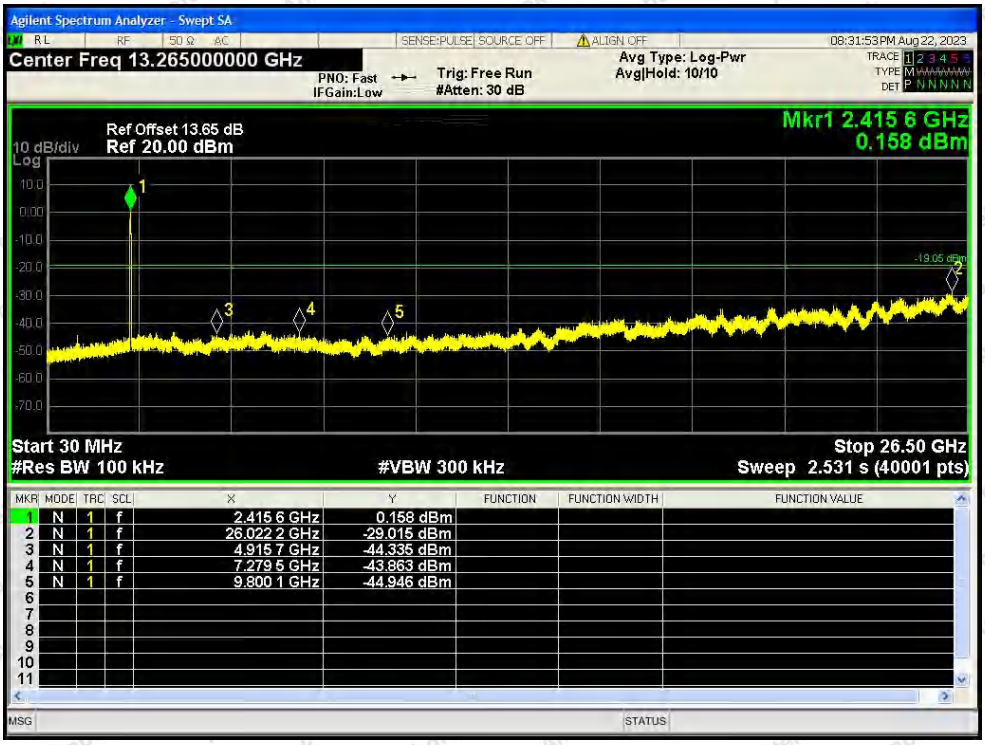
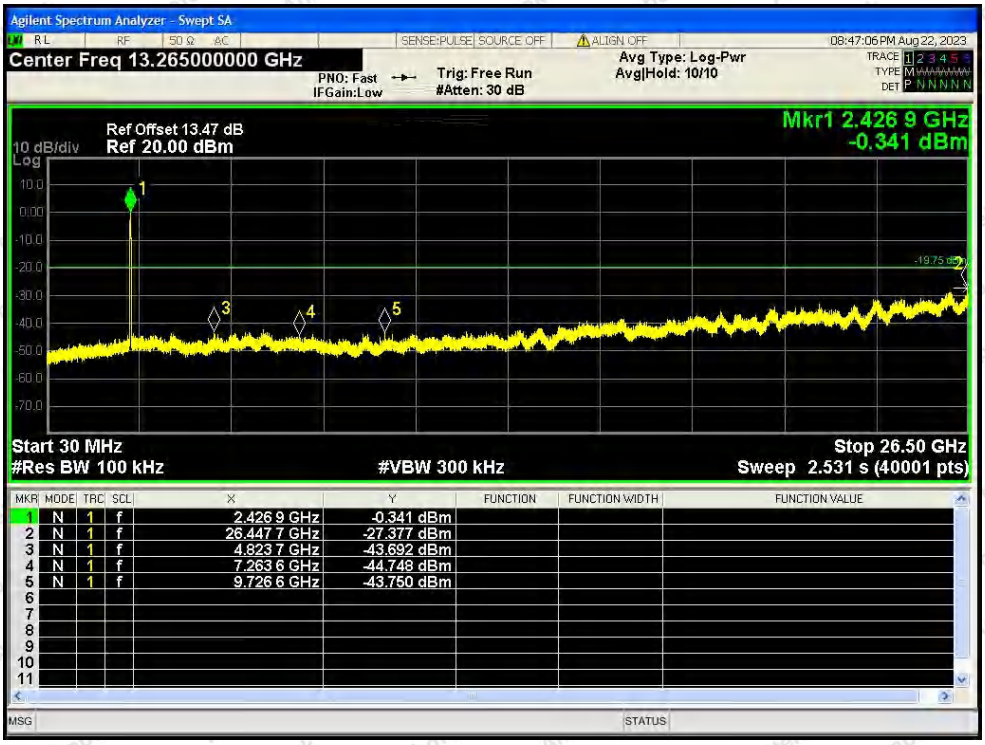


Tx. Spurious NVNT n40 2422MHz Ant0 Ref MIMO

Tx. Spurious NVNT n40 2422MHz Ant0 Emission MIMO



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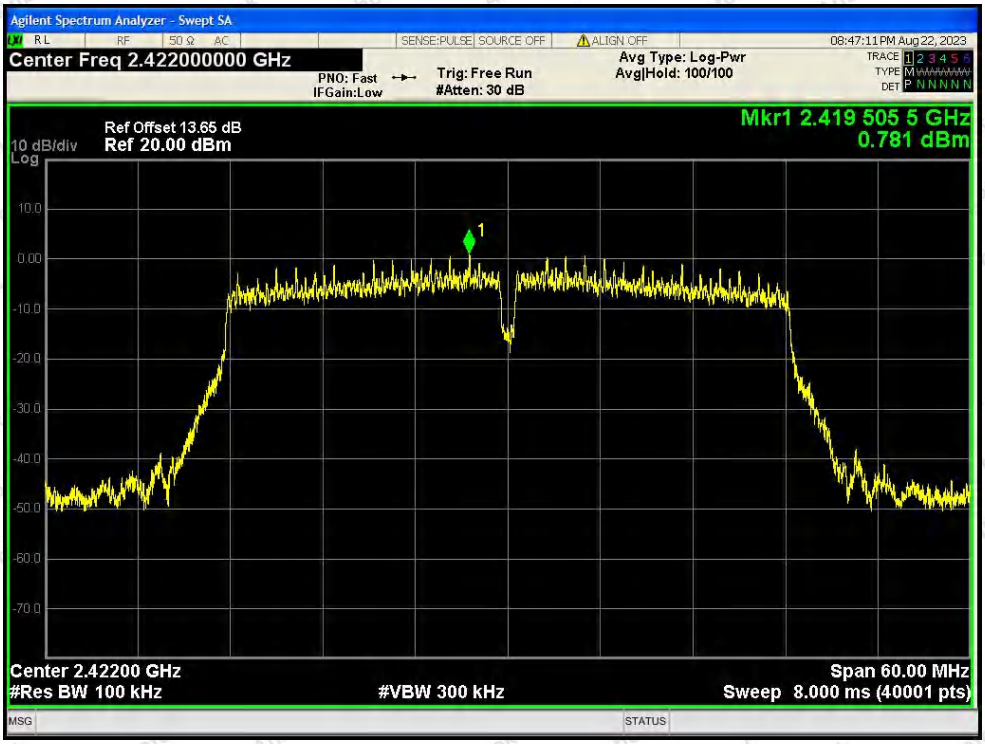

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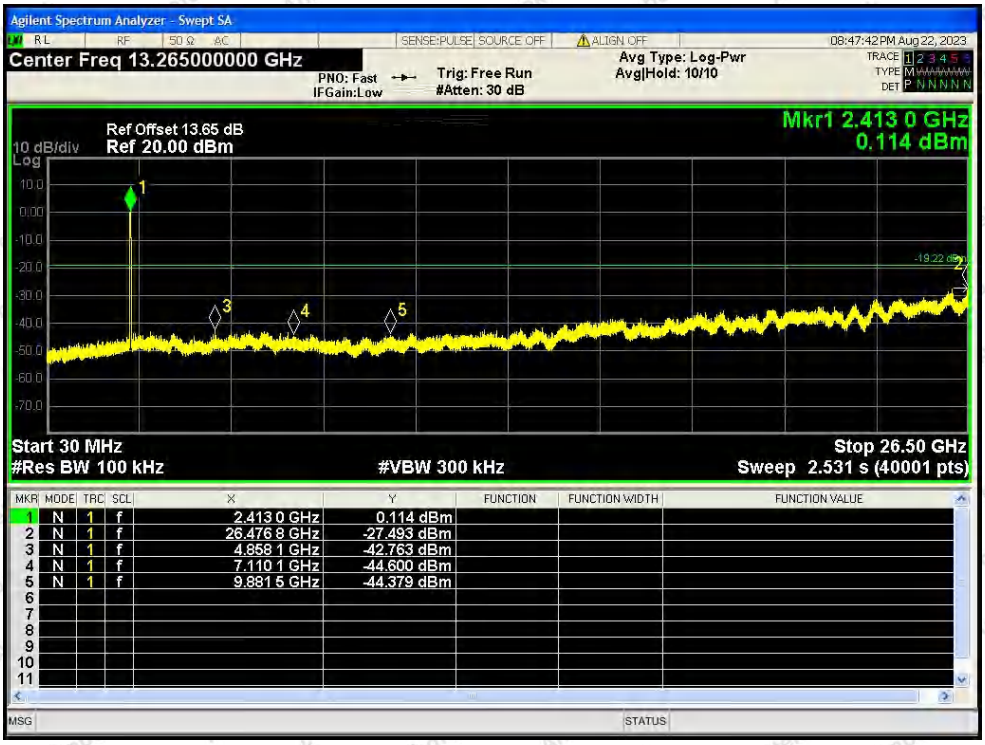
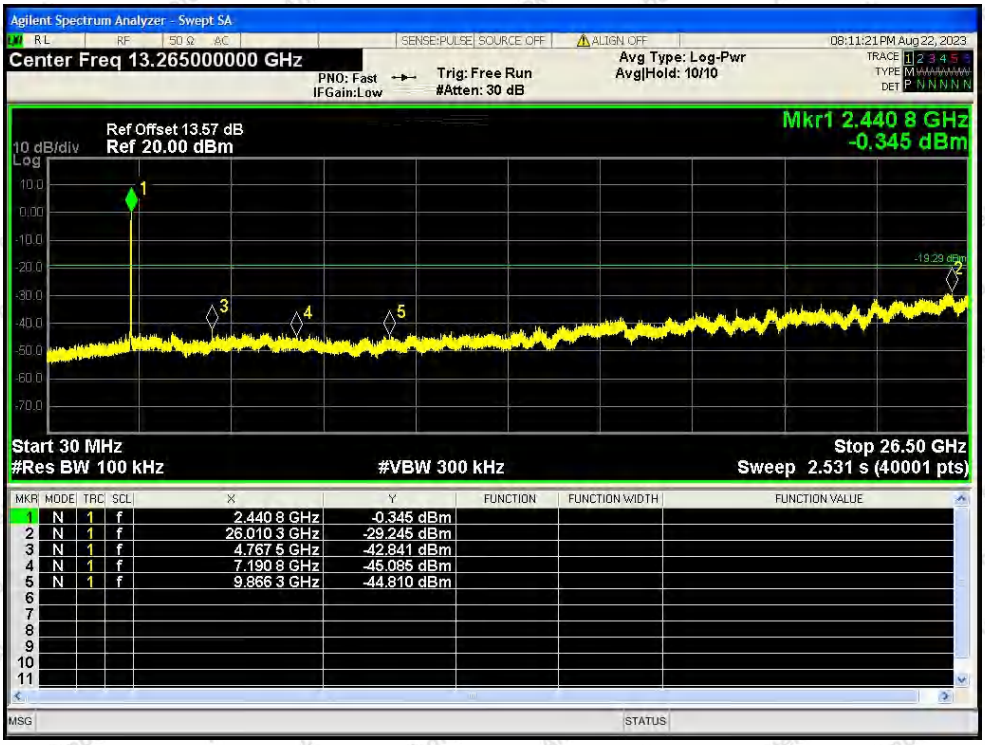


Tx. Spurious NVNT n40 2437MHz Ant0 Ref SISO

Tx. Spurious NVNT n40 2437MHz Ant0 Emission SISO



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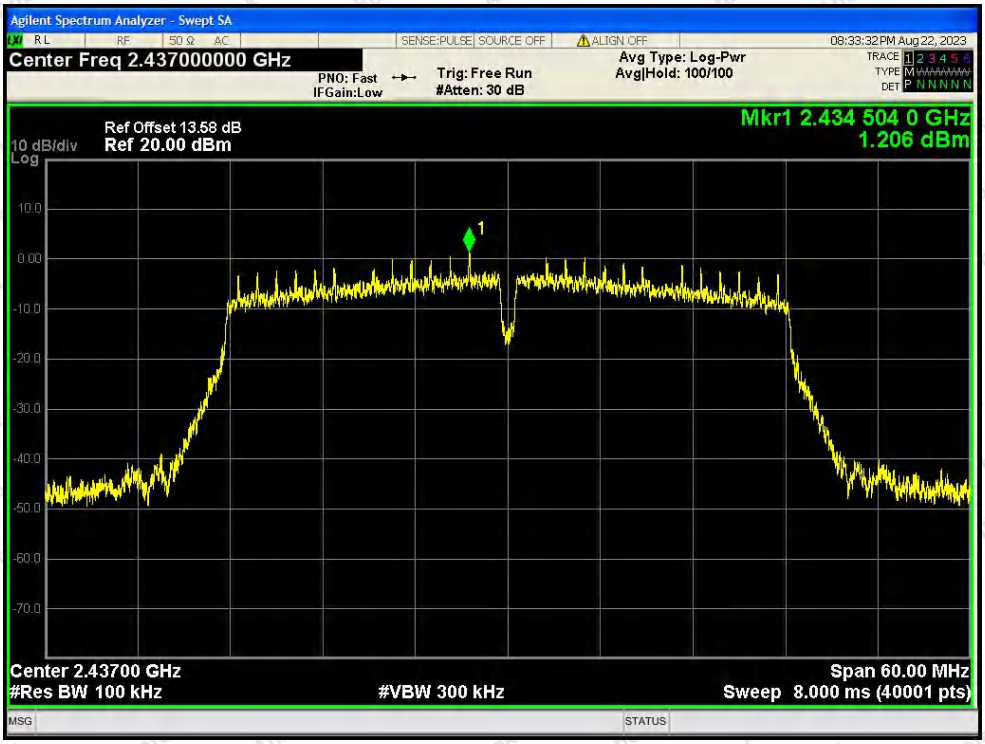

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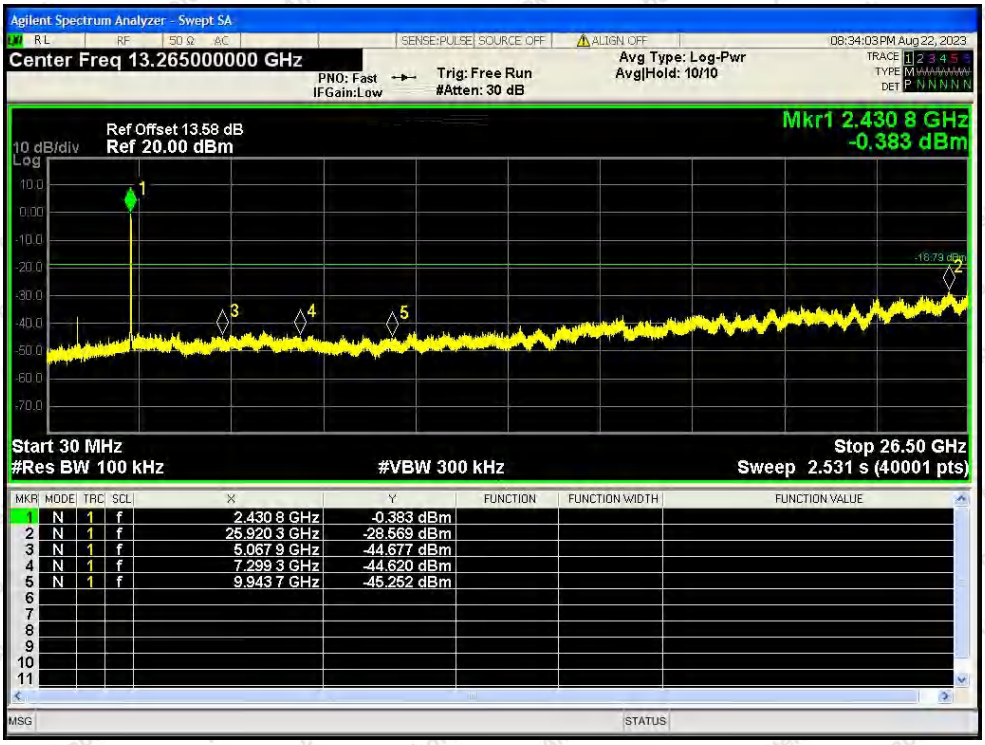
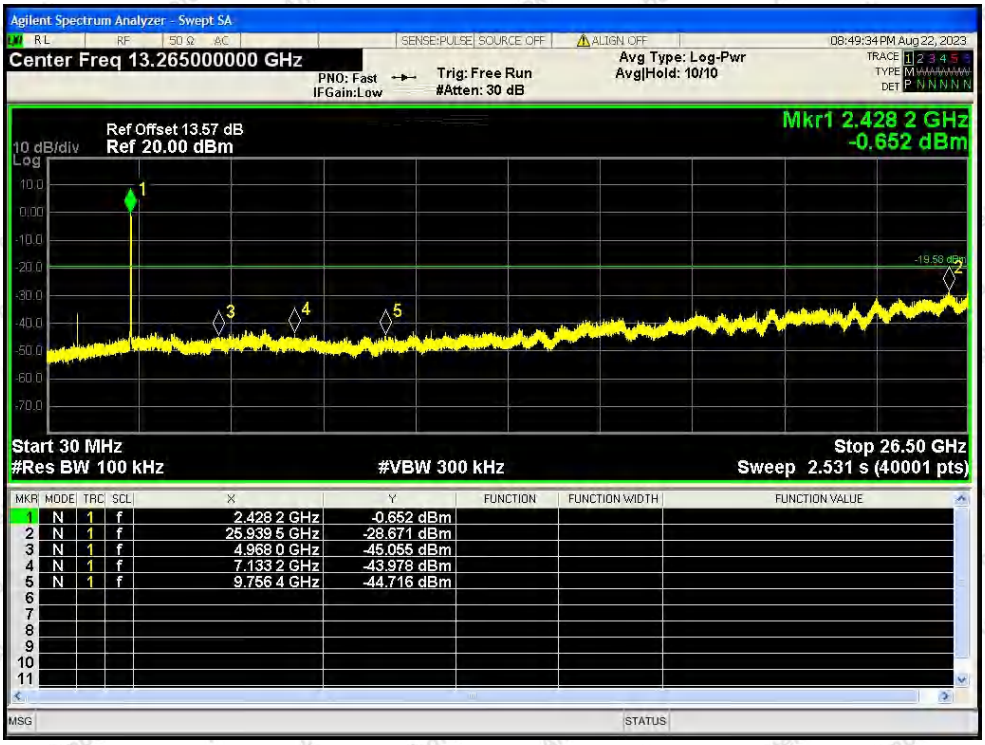


Tx. Spurious NVNT n40 2437MHz Ant0 Ref MIMO

Tx. Spurious NVNT n40 2437MHz Ant0 Emission MIMO



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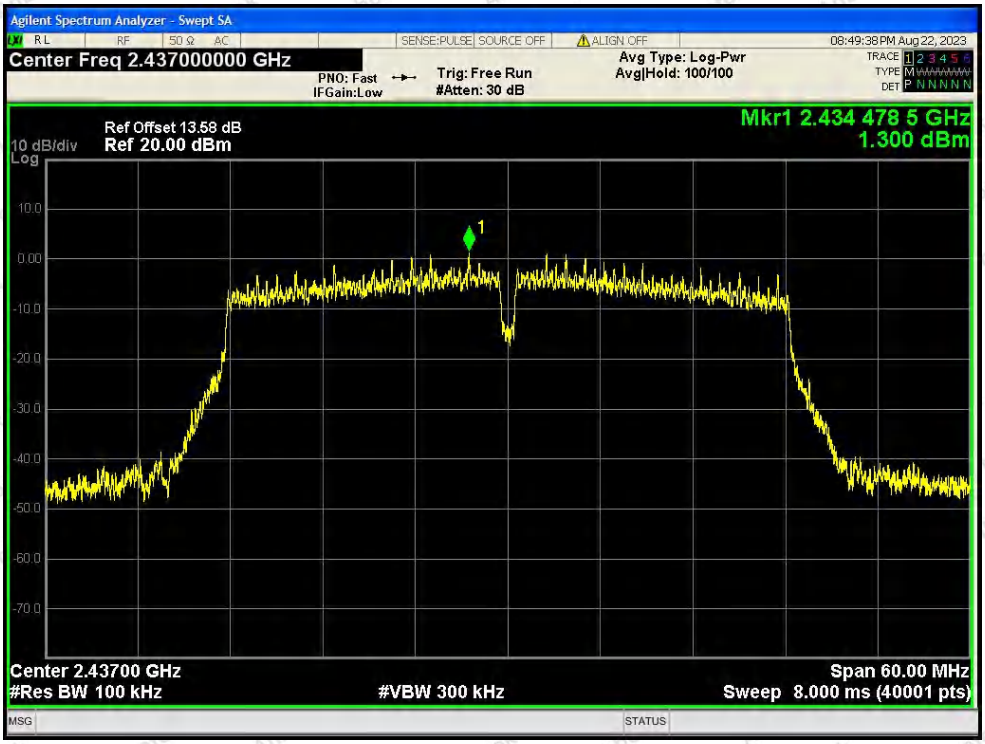

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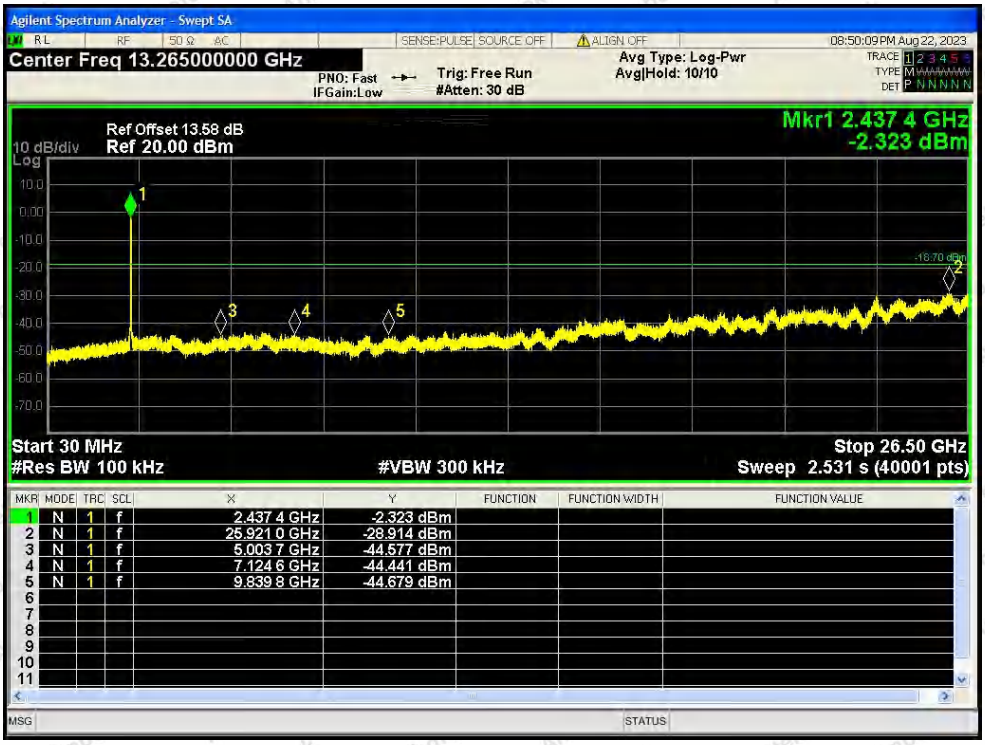
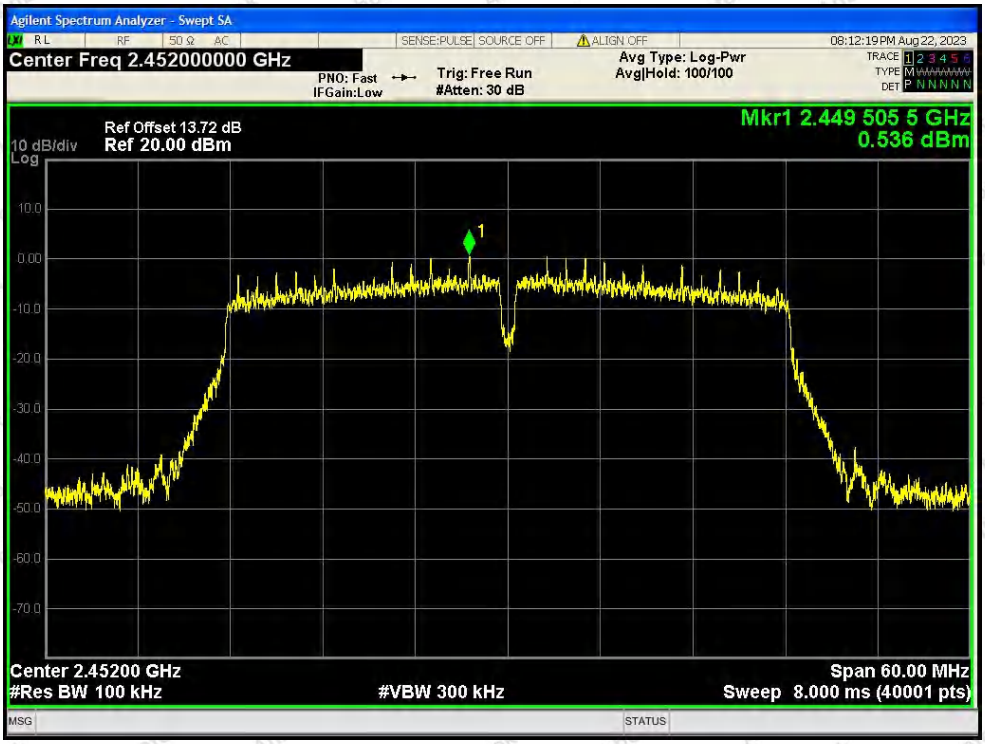


Tx. Spurious NVNT n40 2452MHz Ant0 Ref SISO



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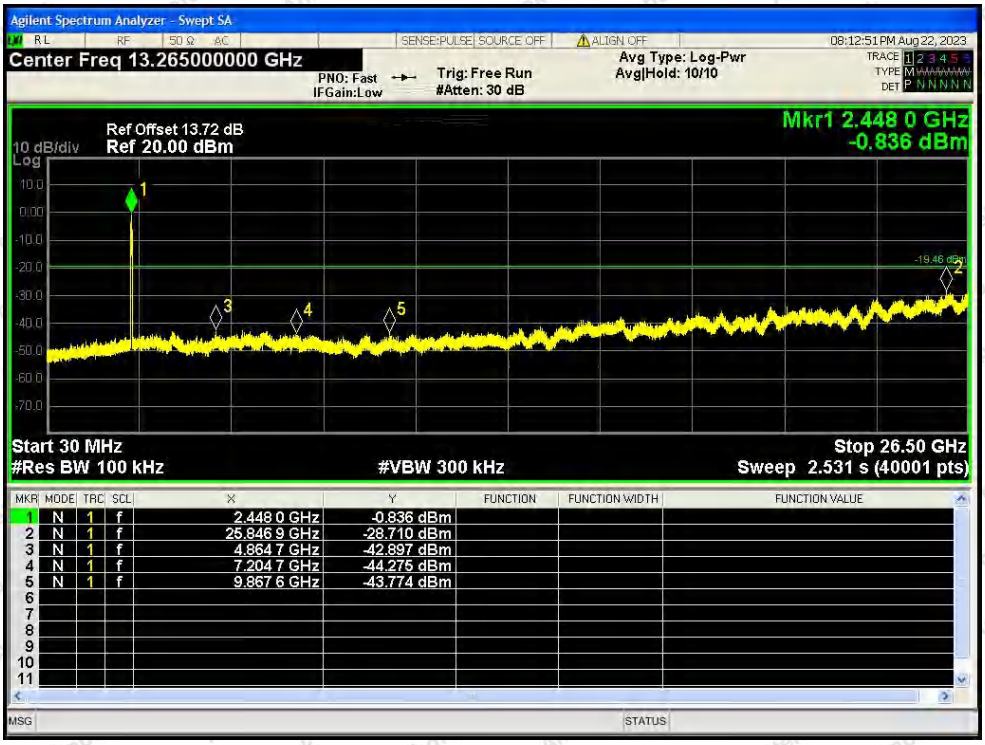

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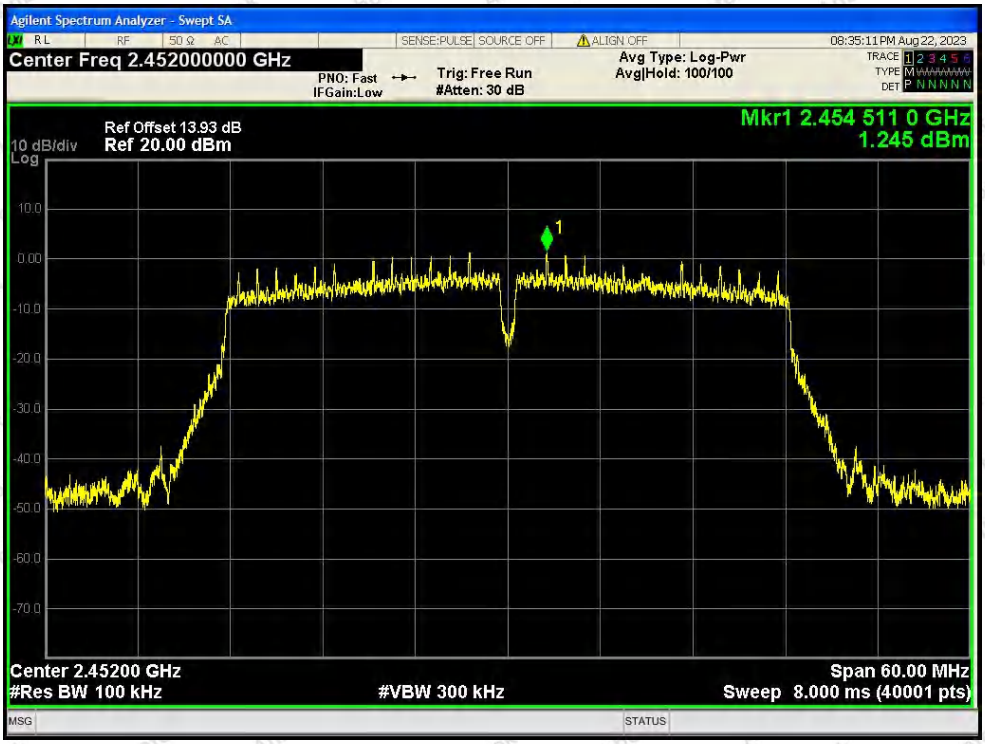

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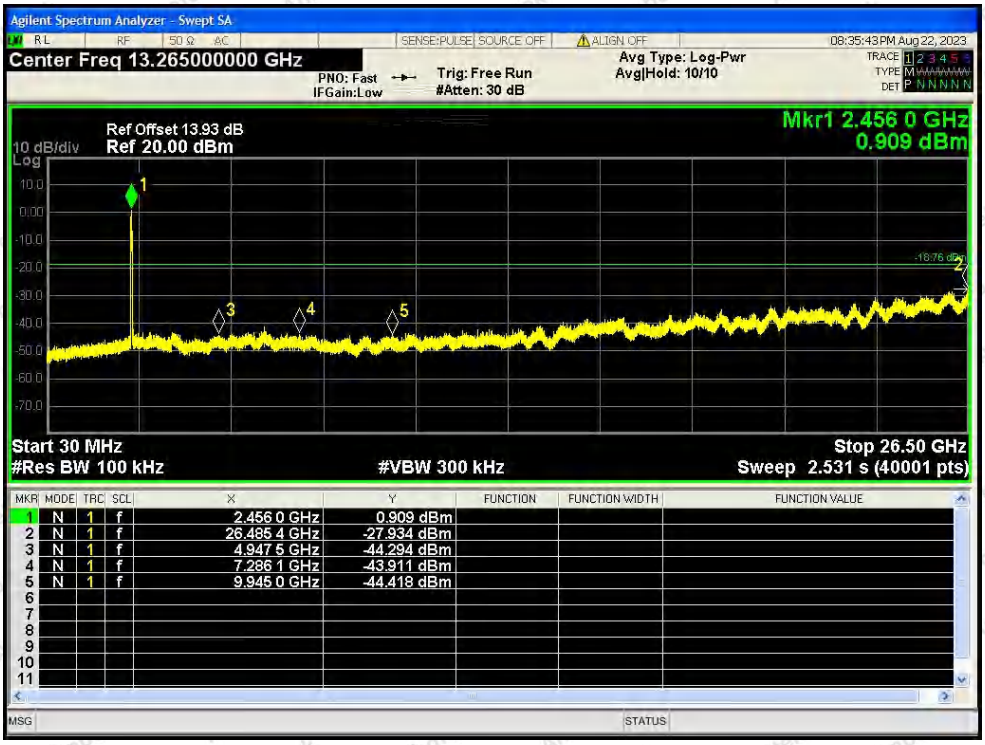
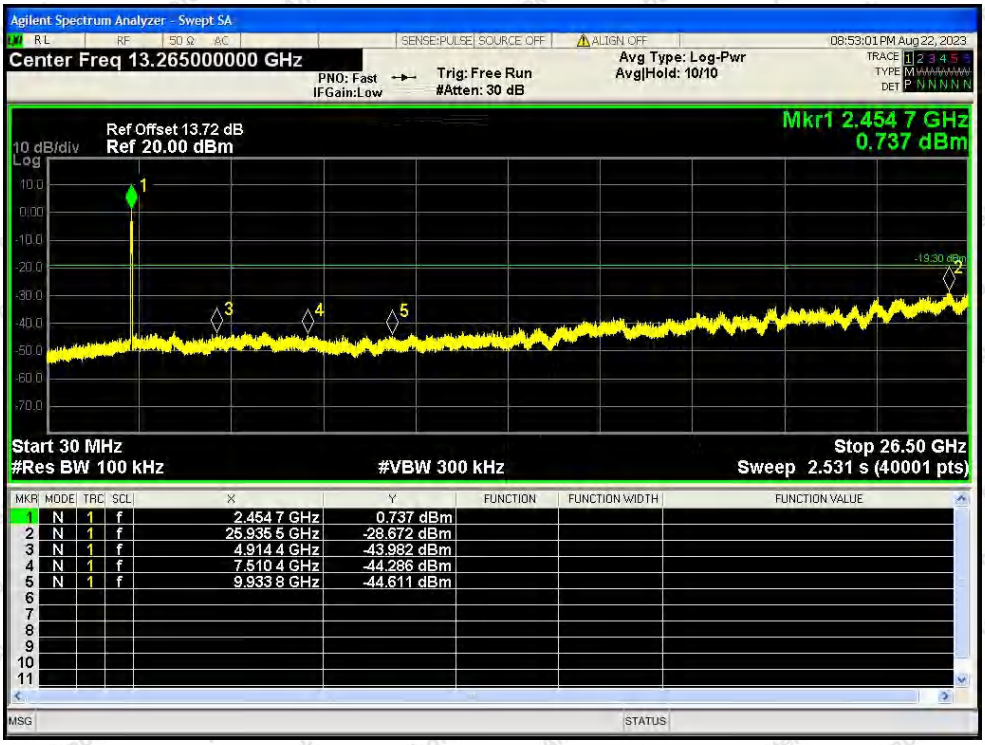


Tx. Spurious NVNT n40 2452MHz Ant0 Ref MIMO

Tx. Spurious NVNT n40 2452MHz Ant0 Emission MIMO



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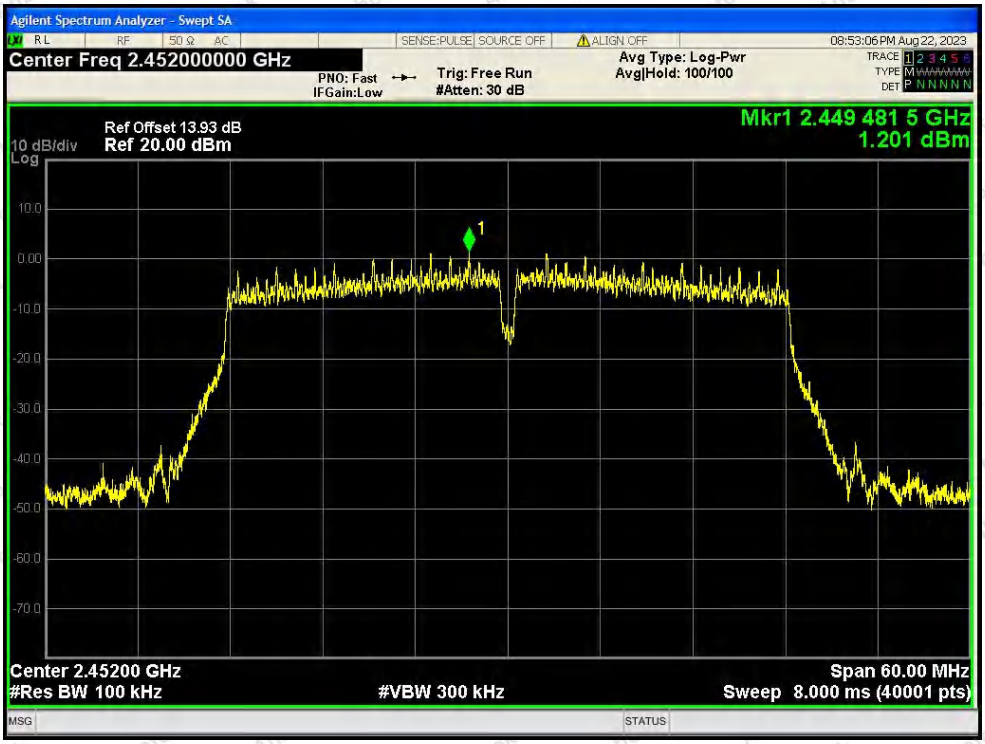
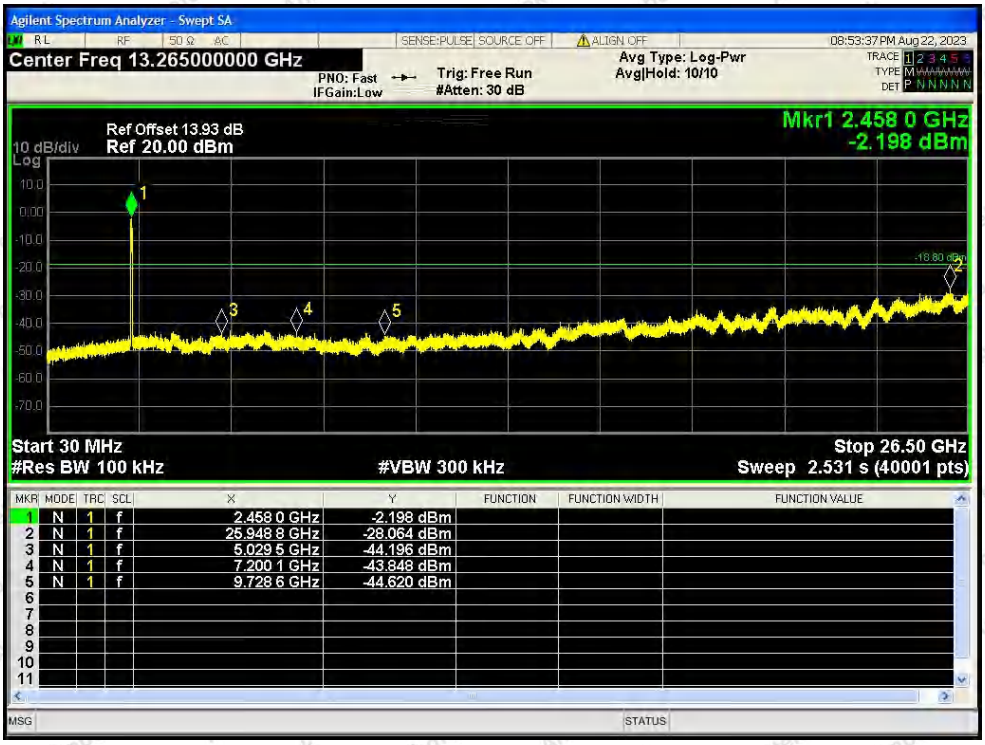


Tx. Spurious NVNT n40 2452MHz Ant1 Emission MIMO



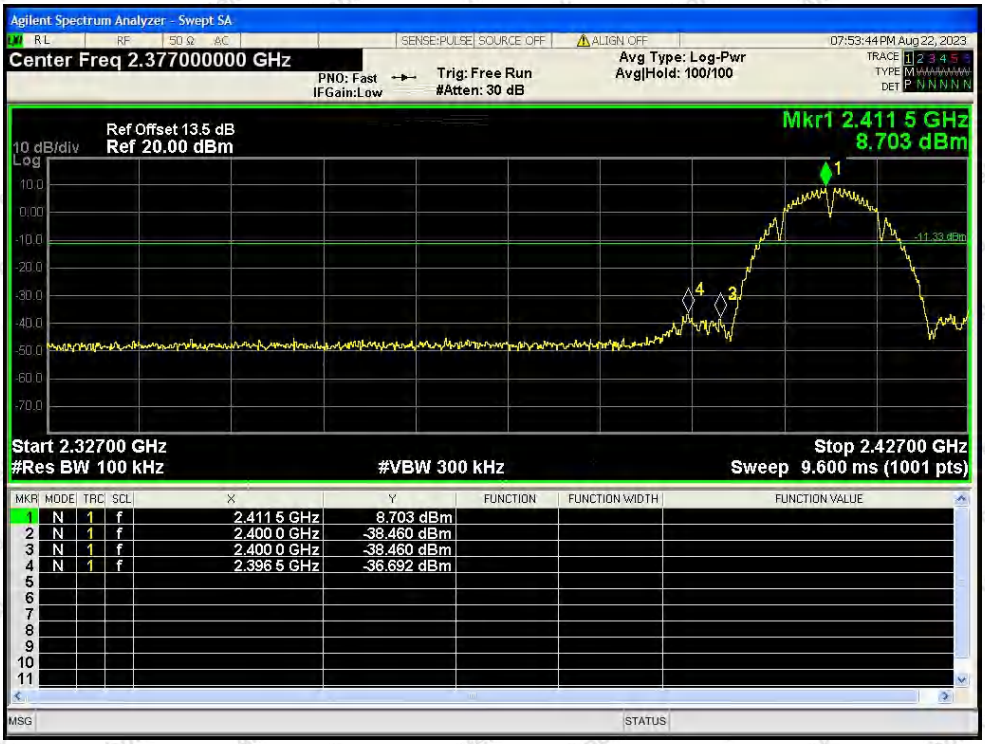
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b SISO	2412	Ant0	-45.36	-20	Pass
NVNT	b SISO	2412	Ant1	-46.42	-20	Pass
NVNT	b SISO	2462	Ant0	-53.69	-20	Pass
NVNT	b SISO	2462	Ant1	-54.64	-20	Pass
NVNT	g SISO	2412	Ant0	-43.18	-20	Pass
NVNT	g SISO	2412	Ant1	-44.11	-20	Pass
NVNT	g SISO	2462	Ant0	-48.64	-20	Pass
NVNT	g SISO	2462	Ant1	-50.66	-20	Pass
NVNT	n20 SISO	2412	Ant0	-44.85	-20	Pass
NVNT	n20 SISO	2412	Ant1	-46.7	-20	Pass
NVNT	n20 MIMO	2412	Ant0	-44.1	-20	Pass
NVNT	n20 MIMO	2412	Ant1	-45.23	-20	Pass
NVNT	n20 SISO	2462	Ant0	-48.7	-20	Pass
NVNT	n20 SISO	2462	Ant1	-48.6	-20	Pass
NVNT	n20 MIMO	2462	Ant0	-48.47	-20	Pass
NVNT	n20 MIMO	2462	Ant1	-50.09	-20	Pass

Test Graphs

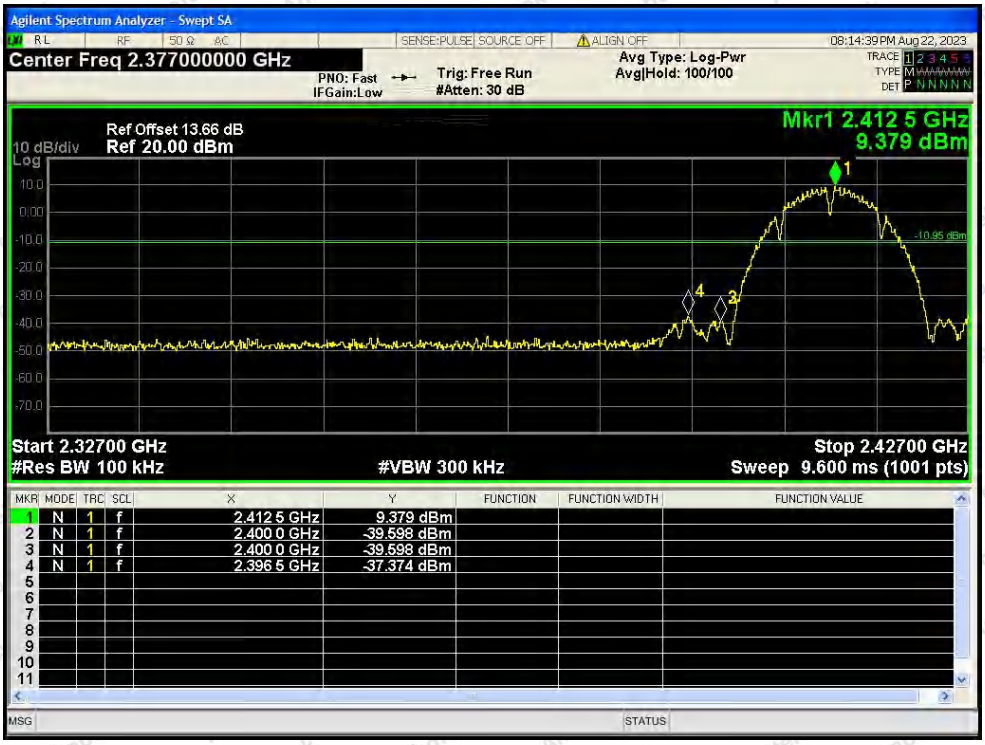
Band Edge NVNT b 2412MHz Ant0 Ref SISO

Band Edge NVNT b 2412MHz Ant0 Emission SISO



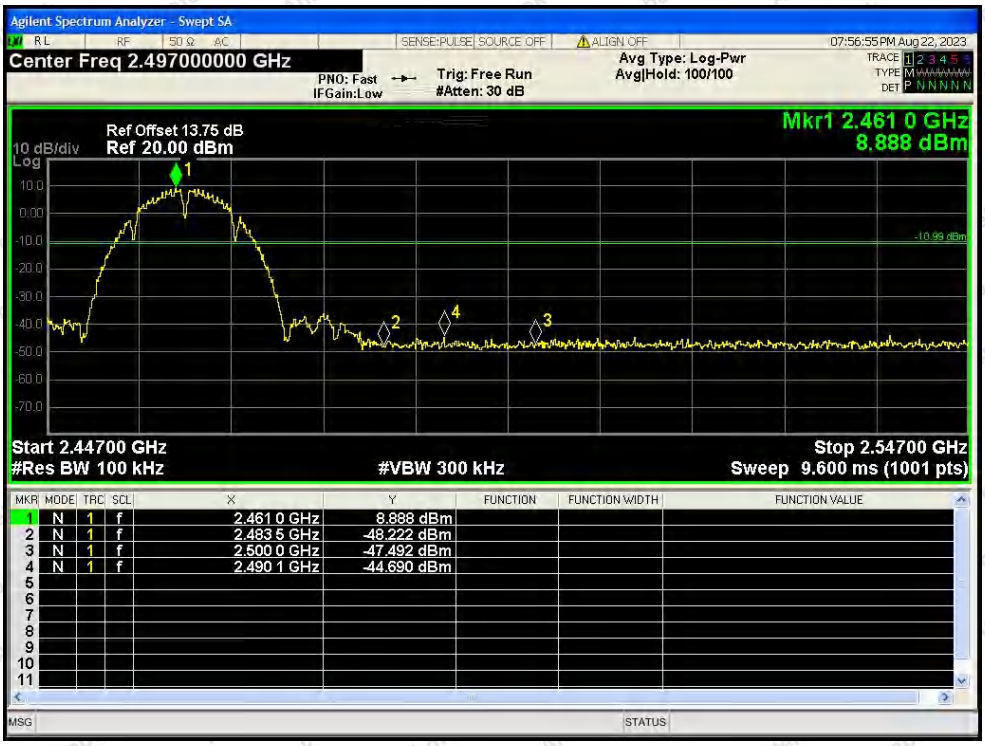
Band Edge NVNT b 2412MHz Ant1 Ref SISO

Band Edge NVNT b 2412MHz Ant1 Emission SISO



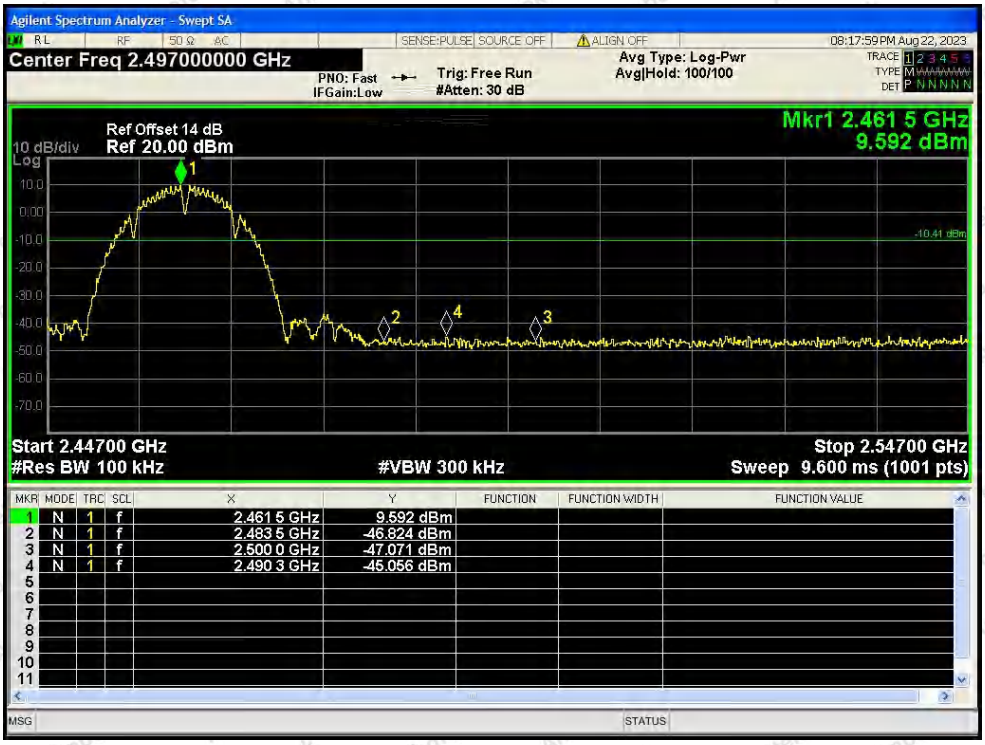
Band Edge NVNT b 2462MHz Ant0 Ref SISO

Band Edge NVNT b 2462MHz Ant0 Emission SISO



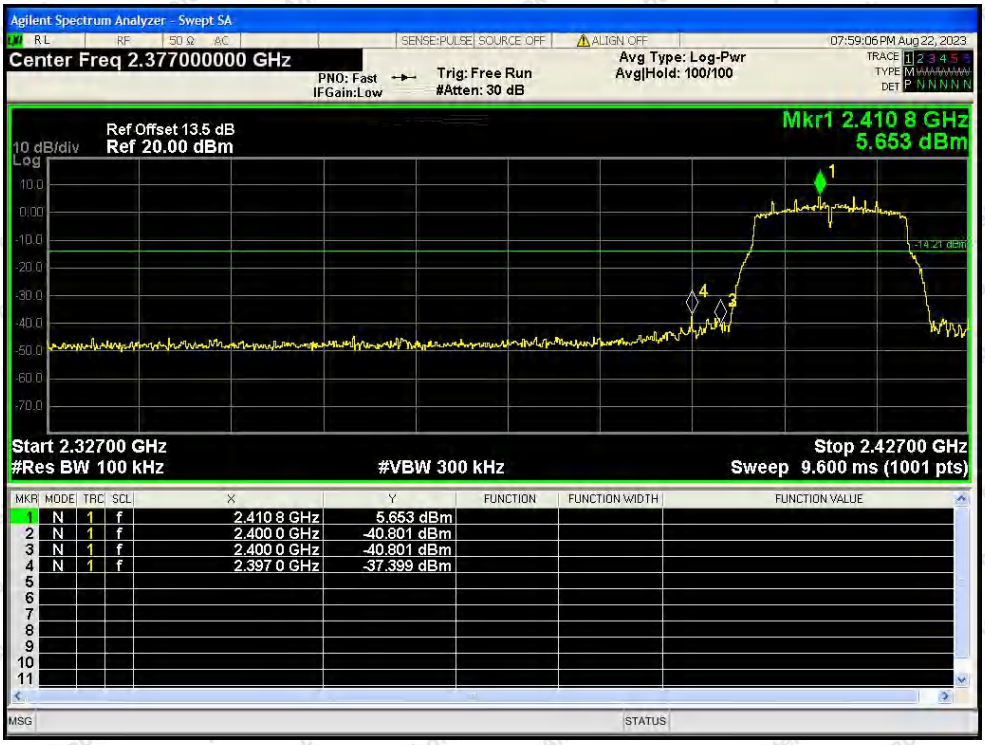
Band Edge NVNT b 2462MHz Ant1 Ref SISO

Band Edge NVNT b 2462MHz Ant1 Emission SISO



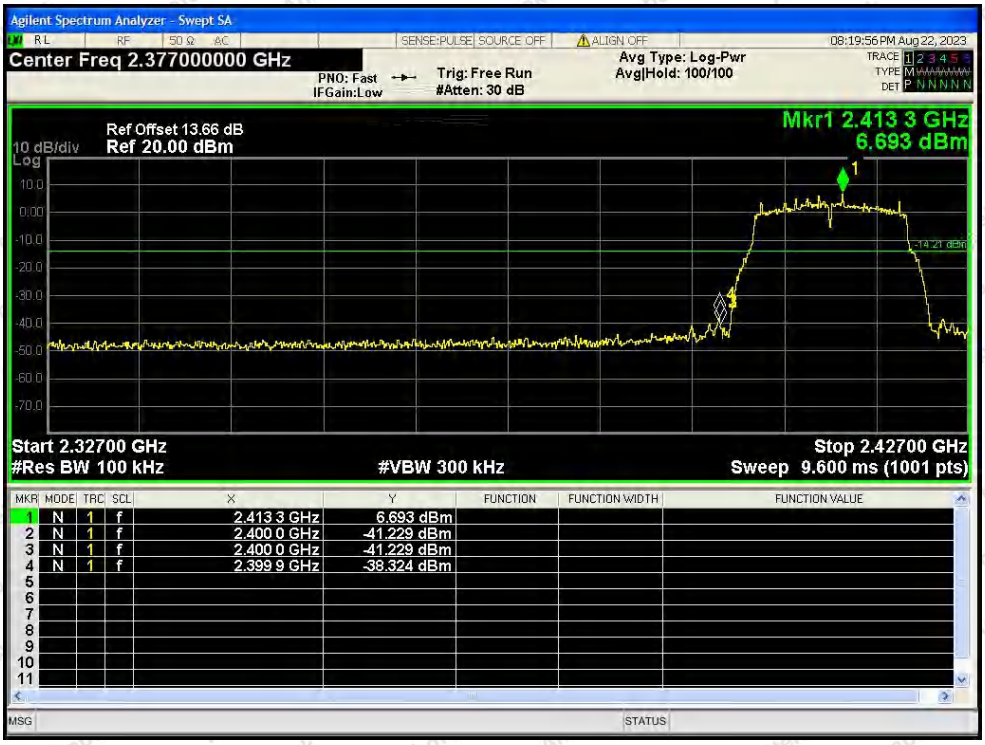
Band Edge NVNT g 2412MHz Ant0 Ref SISO

Band Edge NVNT g 2412MHz Ant0 Emission SISO



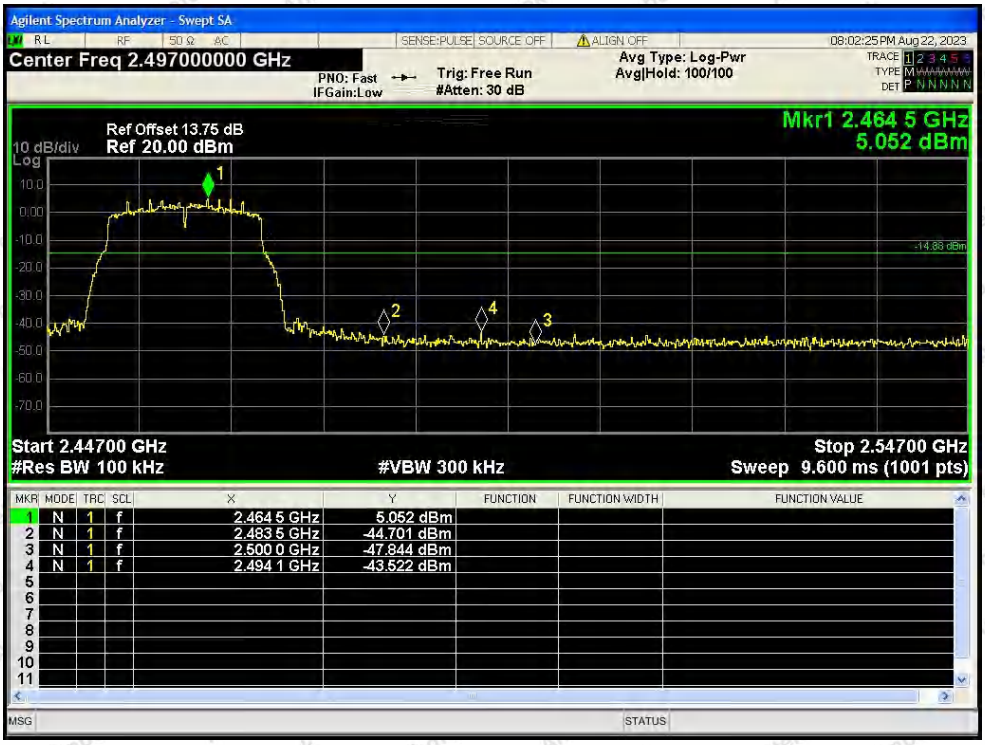
Band Edge NVNT g 2412MHz Ant1 Ref SISO

Band Edge NVNT g 2412MHz Ant1 Emission SISO



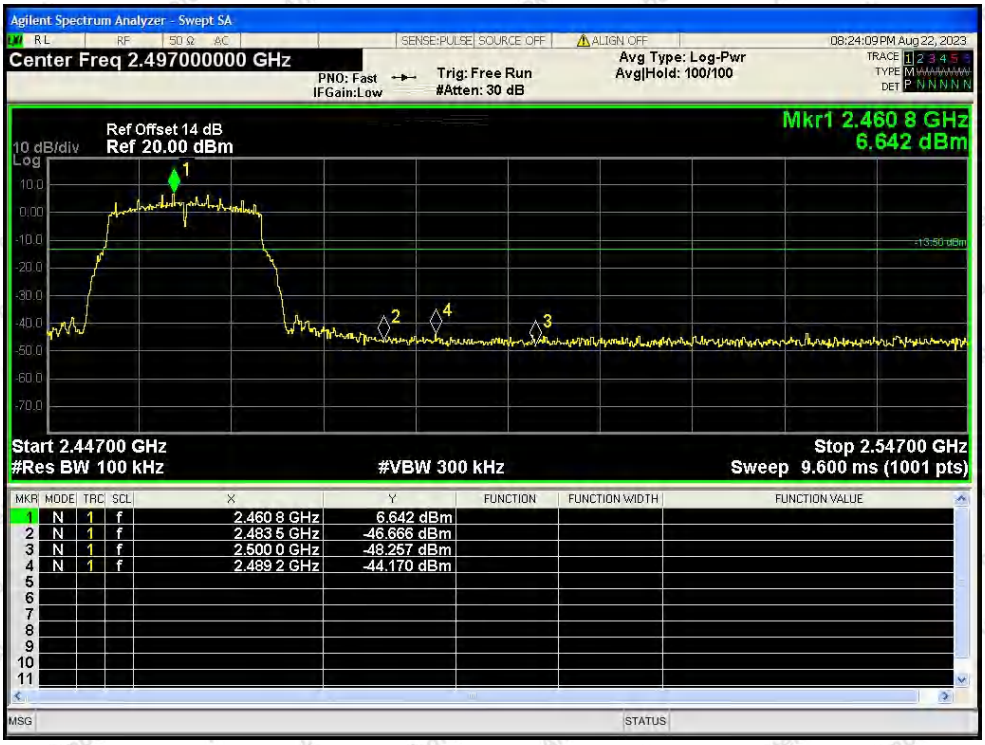
Band Edge NVNT g 2462MHz Ant0 Ref SISO

Band Edge NVNT g 2462MHz Ant0 Emission SISO

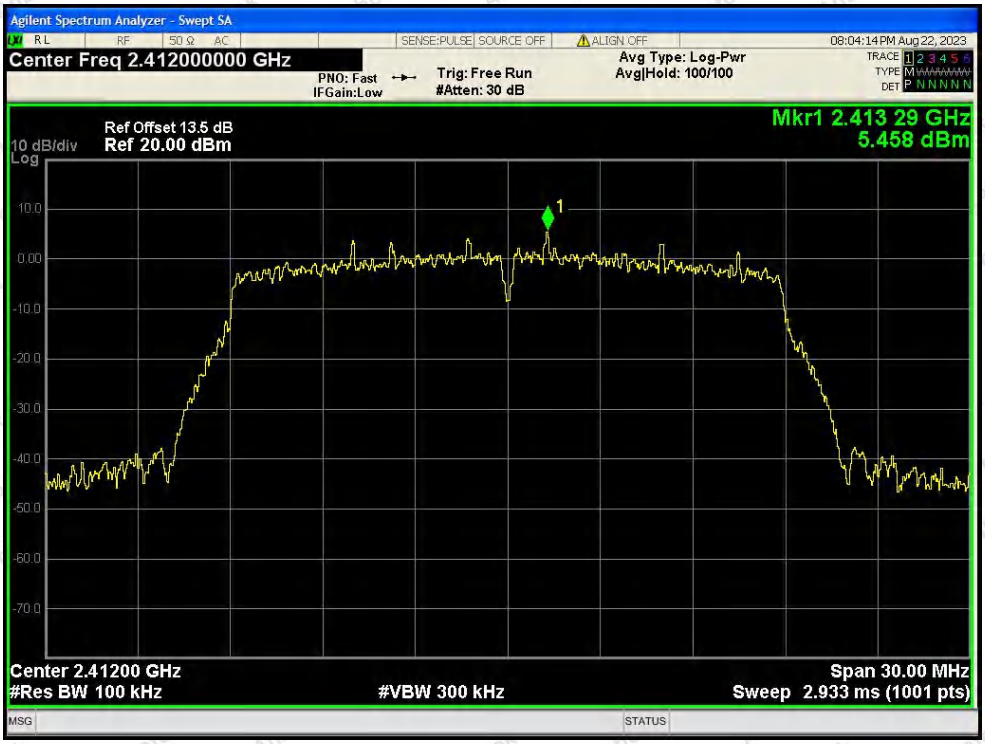


Band Edge NVNT g 2462MHz Ant1 Ref SISO

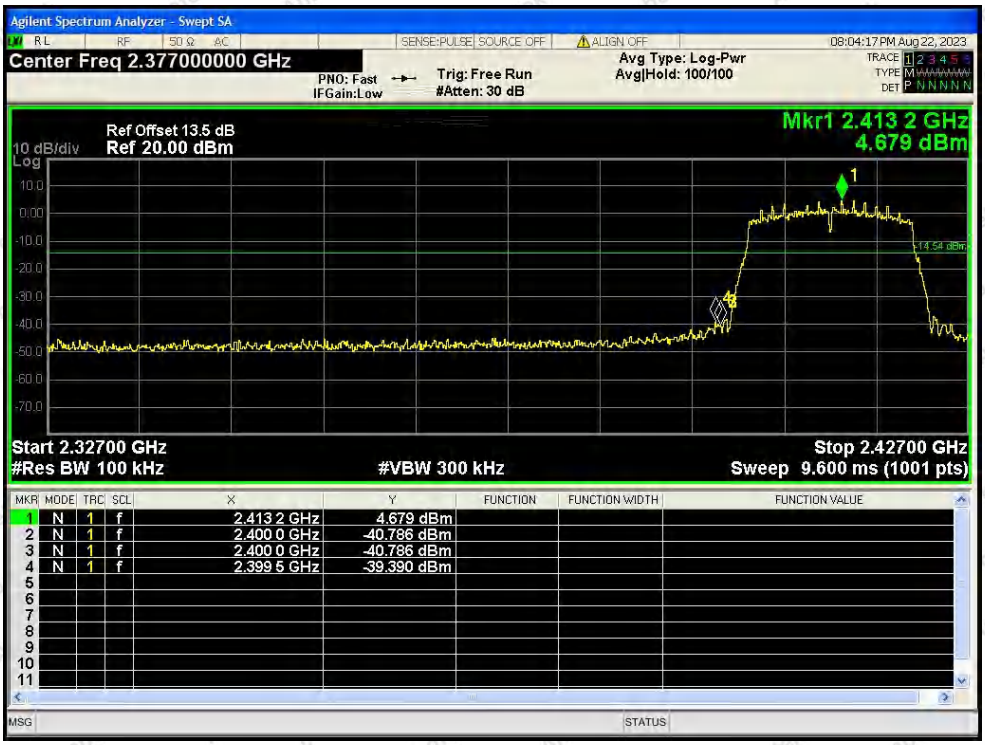
Band Edge NVNT g 2462MHz Ant1 Emission SISO



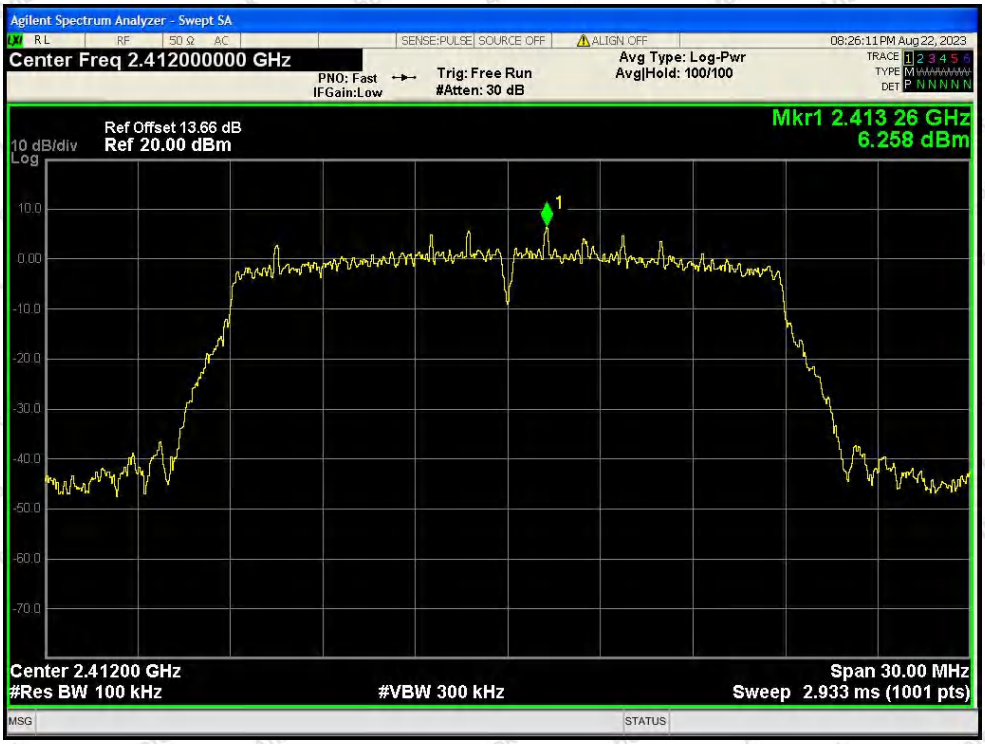
Band Edge NVNT n20 2412MHz Ant0 Ref SISO



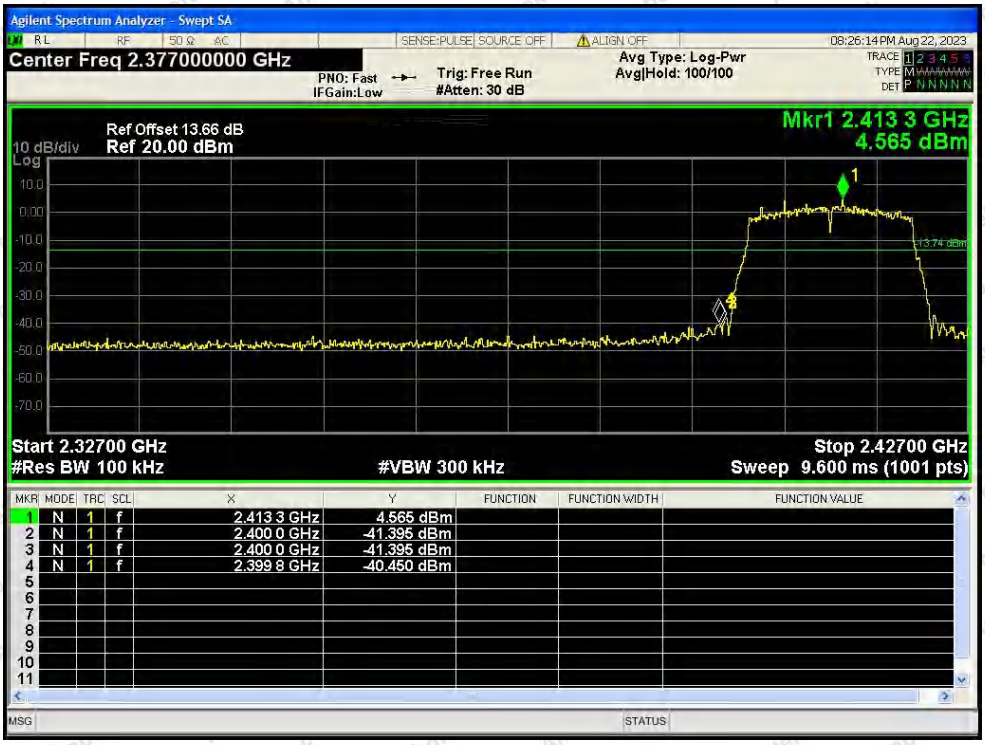
Band Edge NVNT n20 2412MHz Ant0 Emission SISO



Band Edge NVNT n20 2412MHz Ant1 Ref SISO

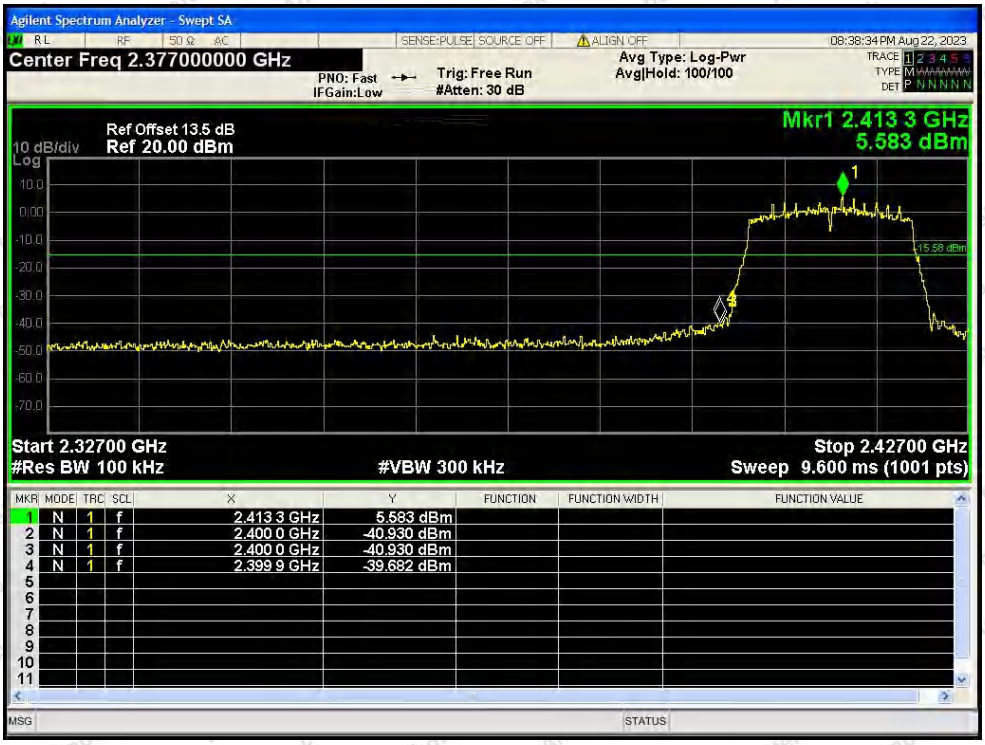


Band Edge NVNT n20 2412MHz Ant1 Emission SISO



Band Edge NVNT n20 2412MHz Ant0 Ref MIMO

Band Edge NVNT n20 2412MHz Ant0 Emission MIMO



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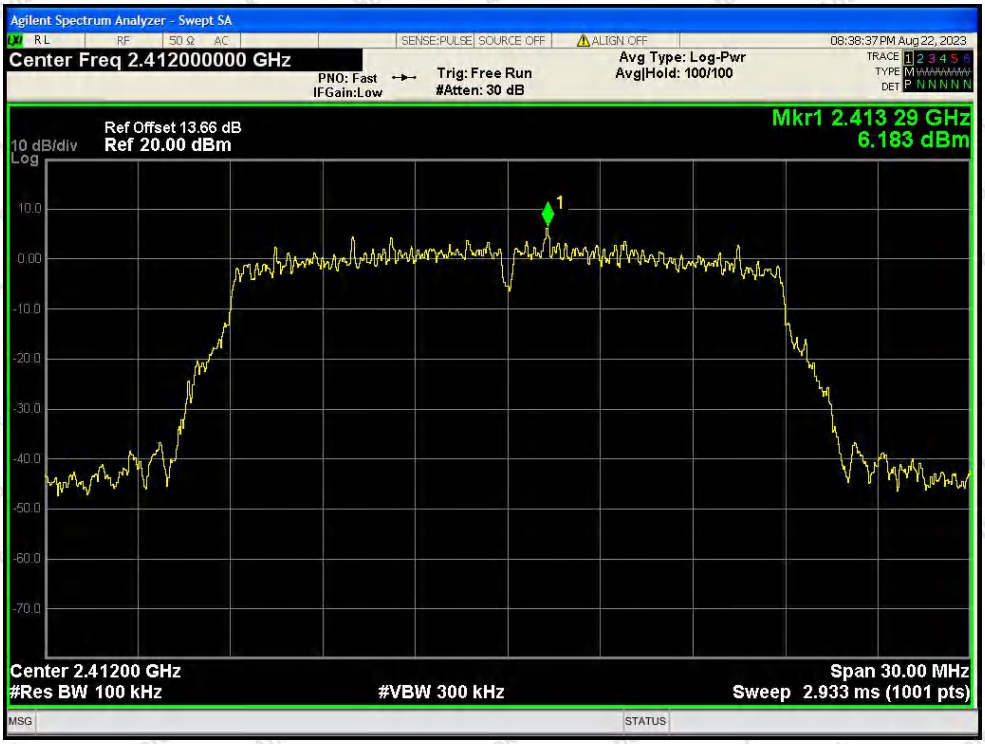

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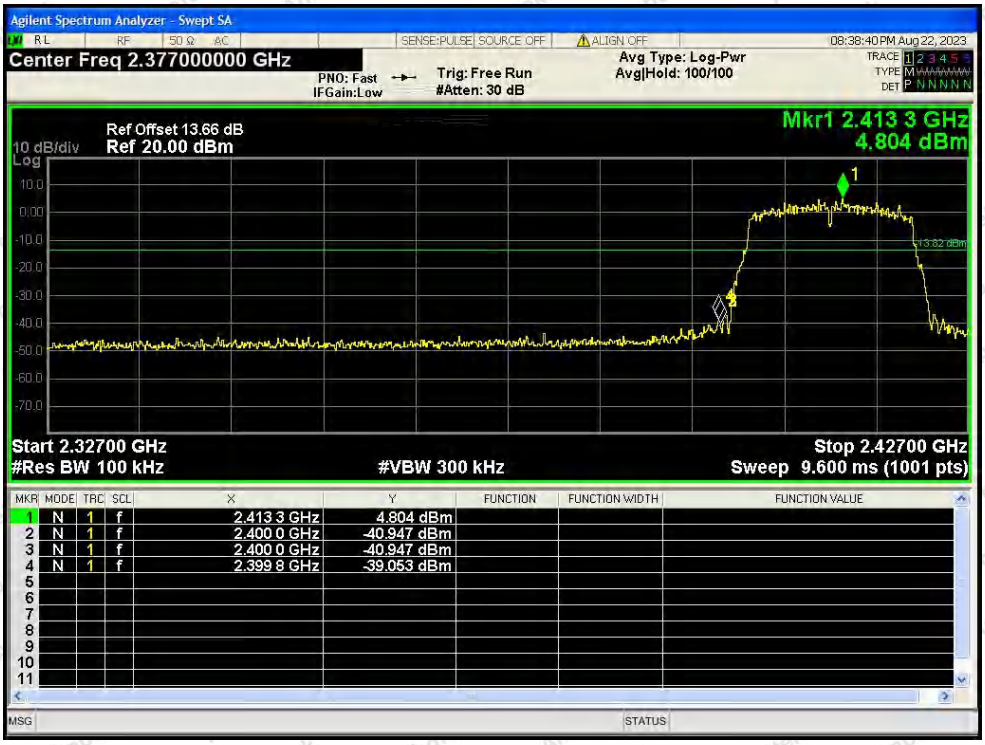
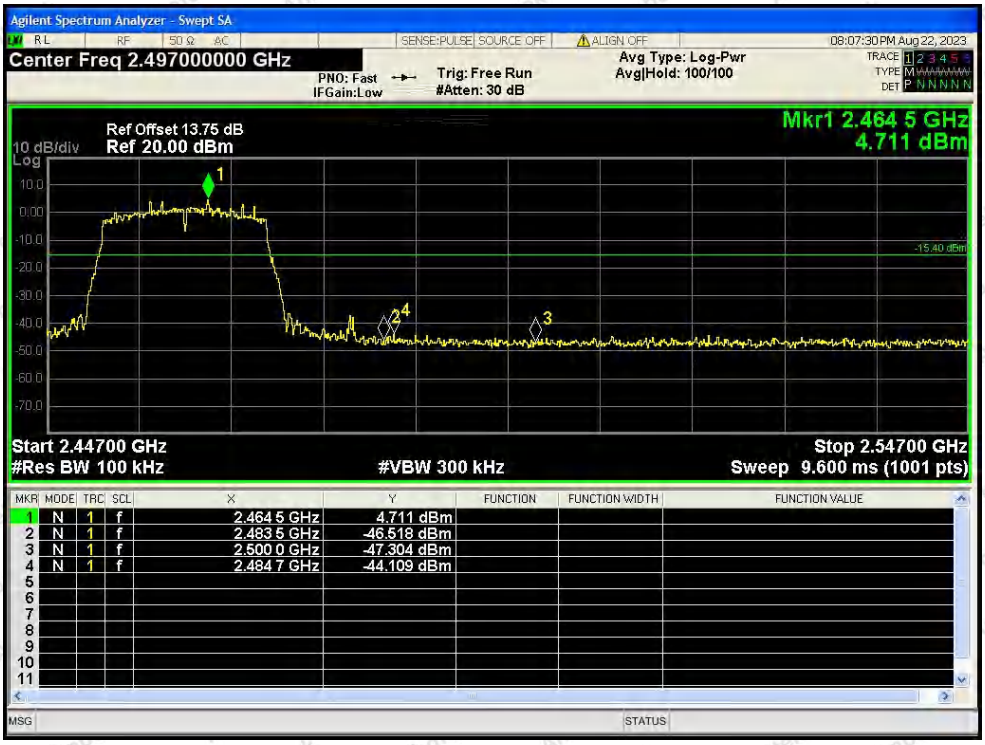


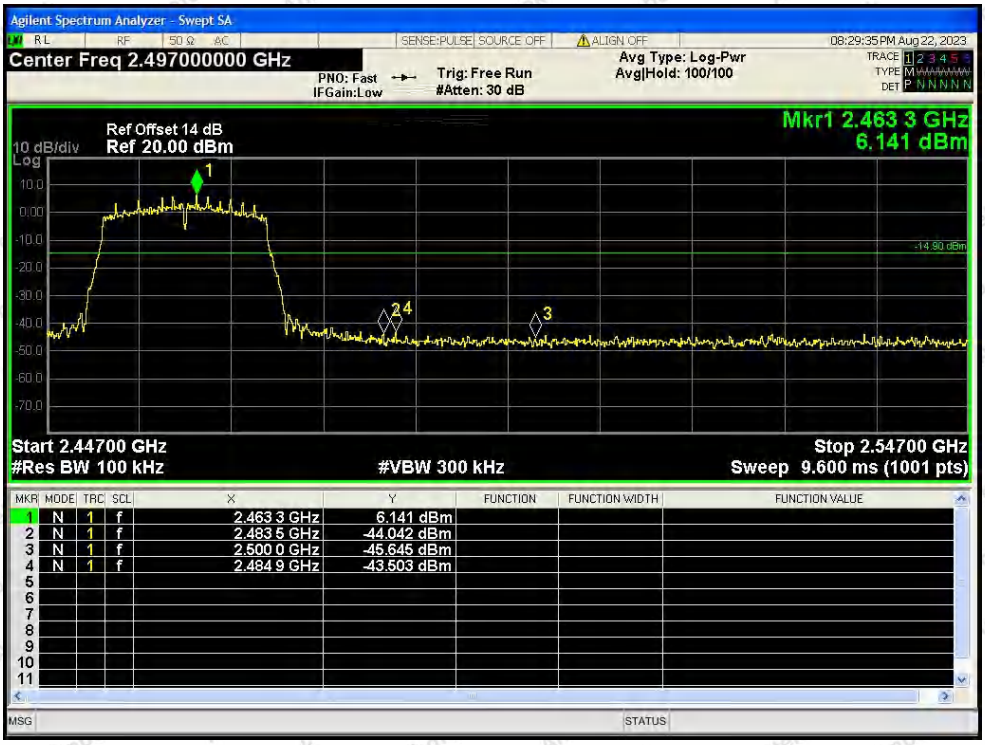
Band Edge NVNT n20 2462MHz Ant0 Ref SISO

Band Edge NVNT n20 2462MHz Ant0 Emission SISO



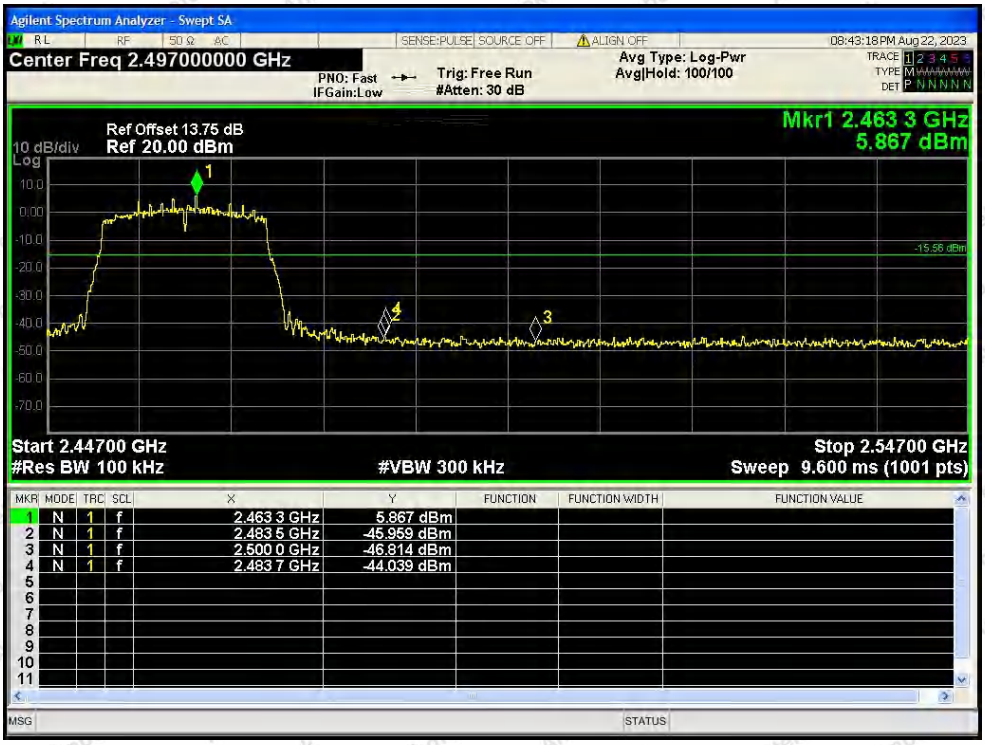
Band Edge NVNT n20 2462MHz Ant1 Ref SISO

Band Edge NVNT n20 2462MHz Ant1 Emission SISO

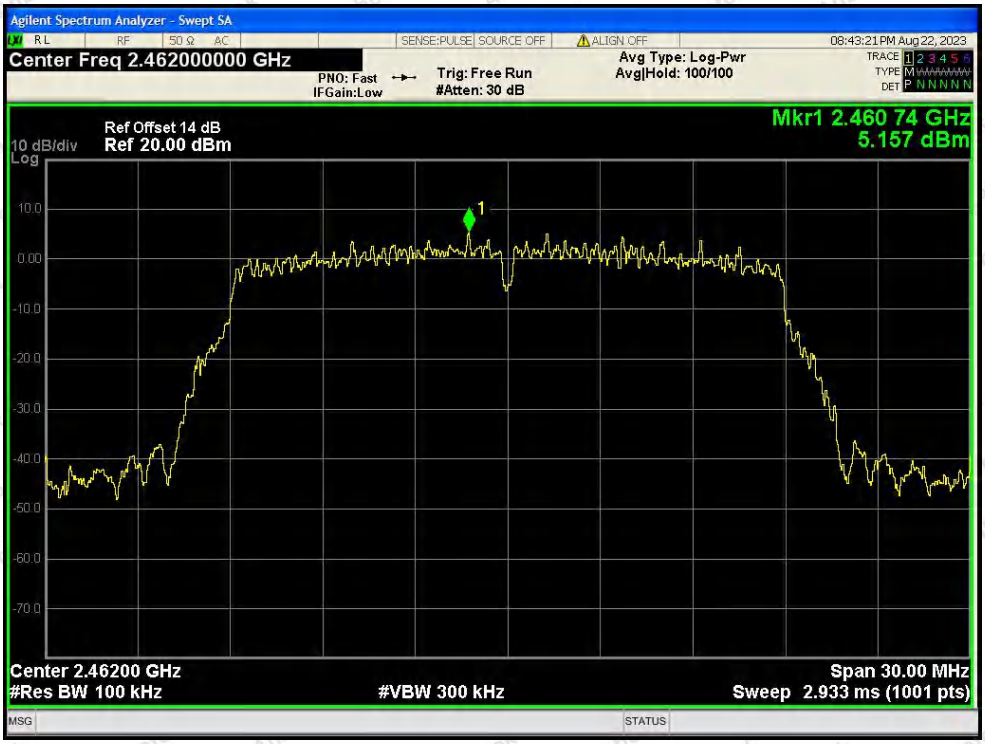


Band Edge NVNT n20 2462MHz Ant0 Ref MIMO

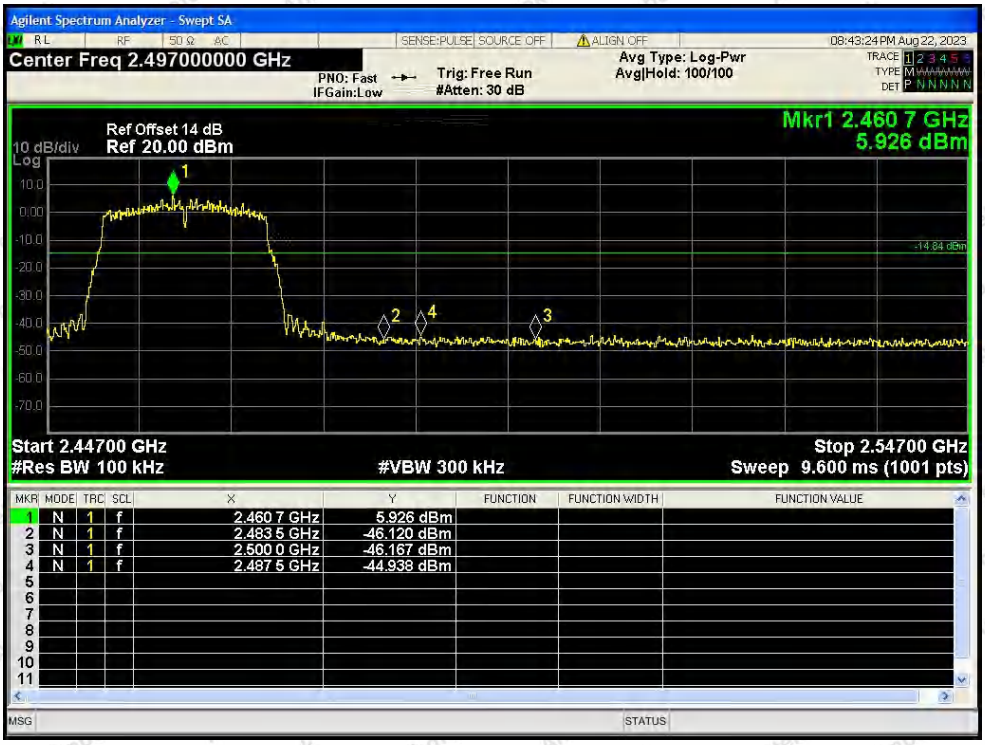
Band Edge NVNT n20 2462MHz Ant0 Emission MIMO



Band Edge NVNT n20 2462MHz Ant1 Ref MIMO



Band Edge NVNT n20 2462MHz Ant1 Emission MIMO



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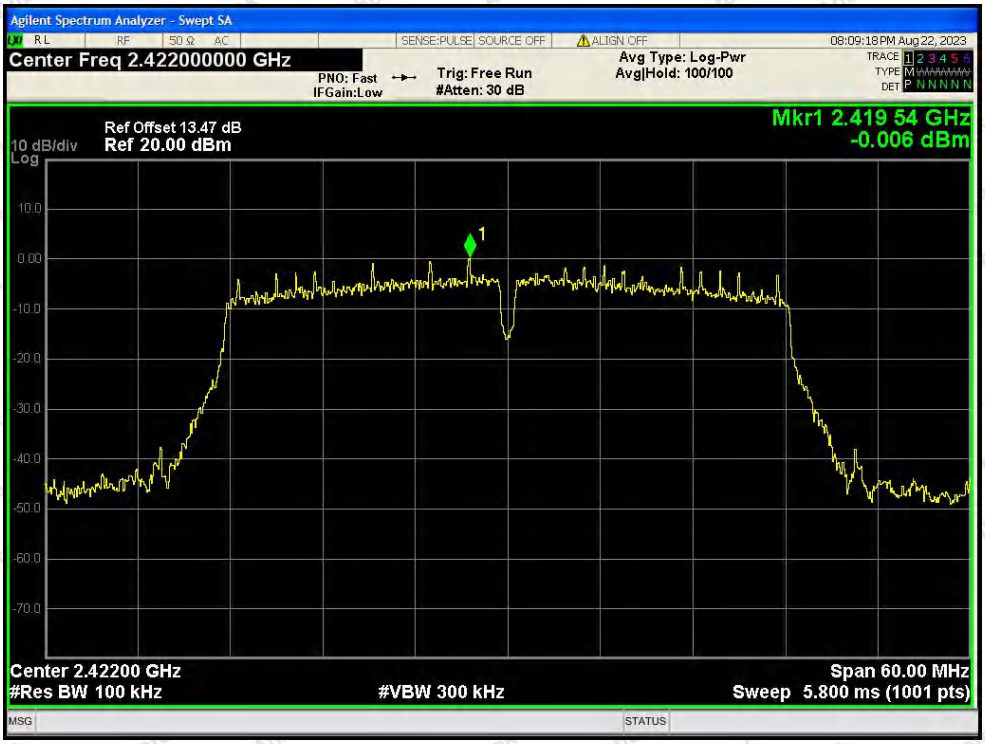
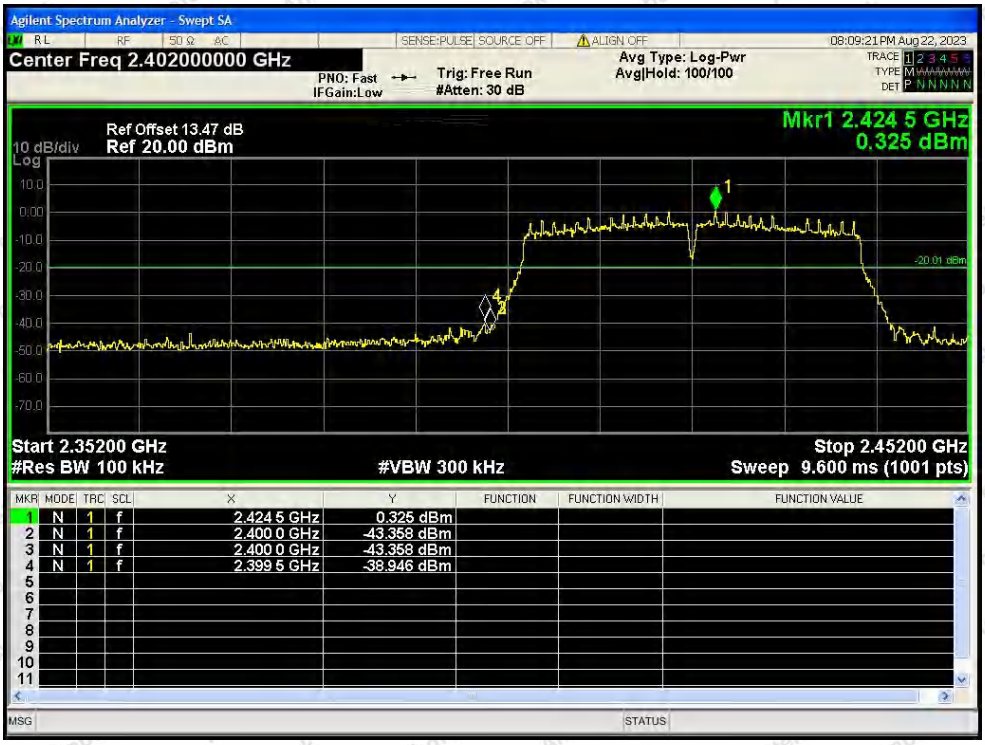
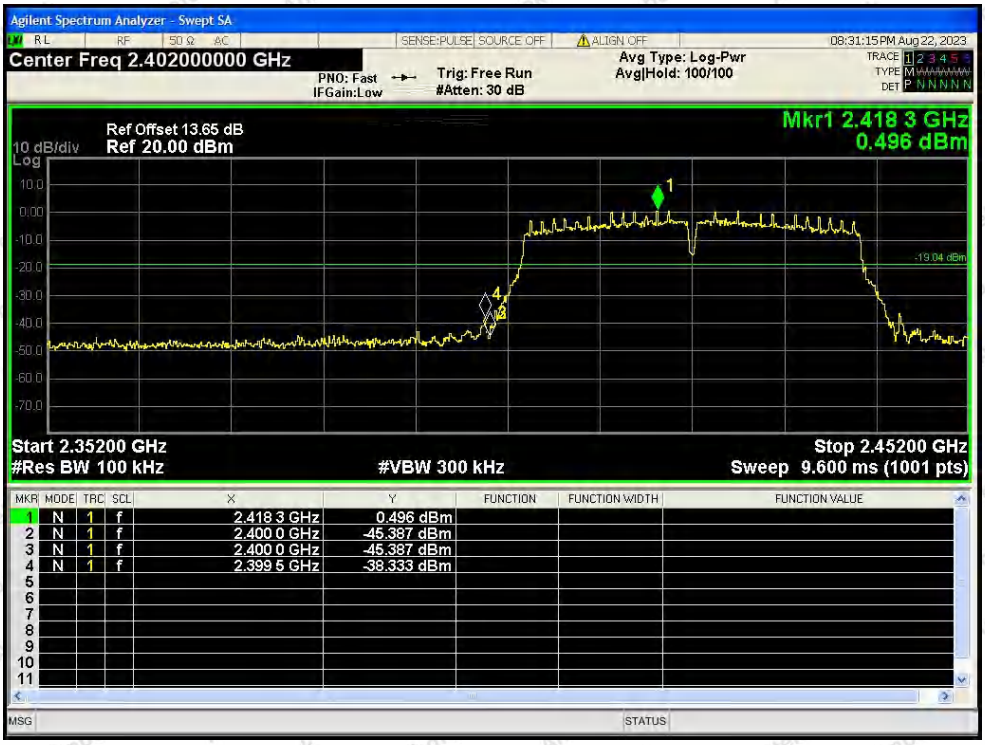


Band Edge NVNT n40 2422MHz Ant0 Emission SISO



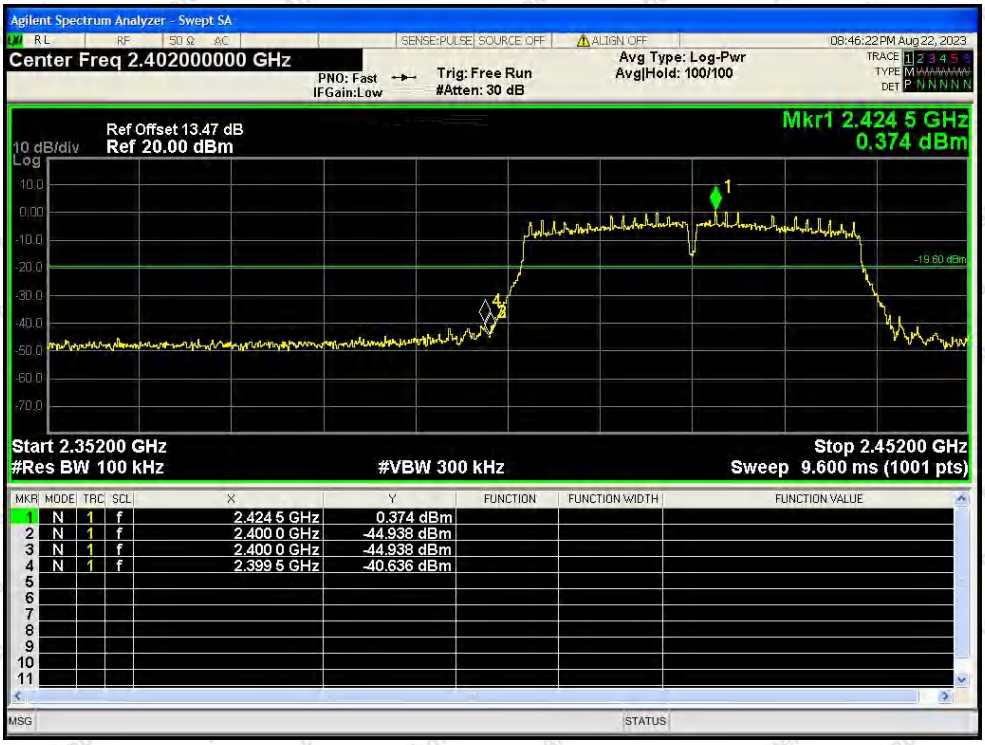
Band Edge NVNT n40 2422MHz Ant1 Ref SISO

Band Edge NVNT n40 2422MHz Ant1 Emission SISO



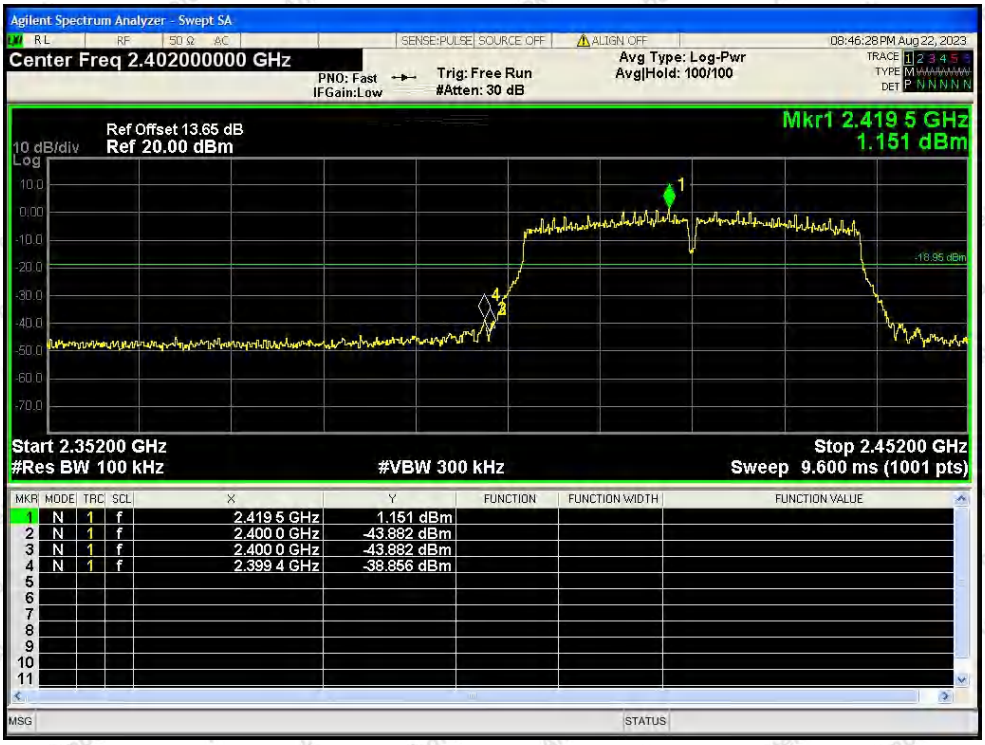
Band Edge NVNT n40 2422MHz Ant0 Ref MIMO

Band Edge NVNT n40 2422MHz Ant0 Emission MIMO



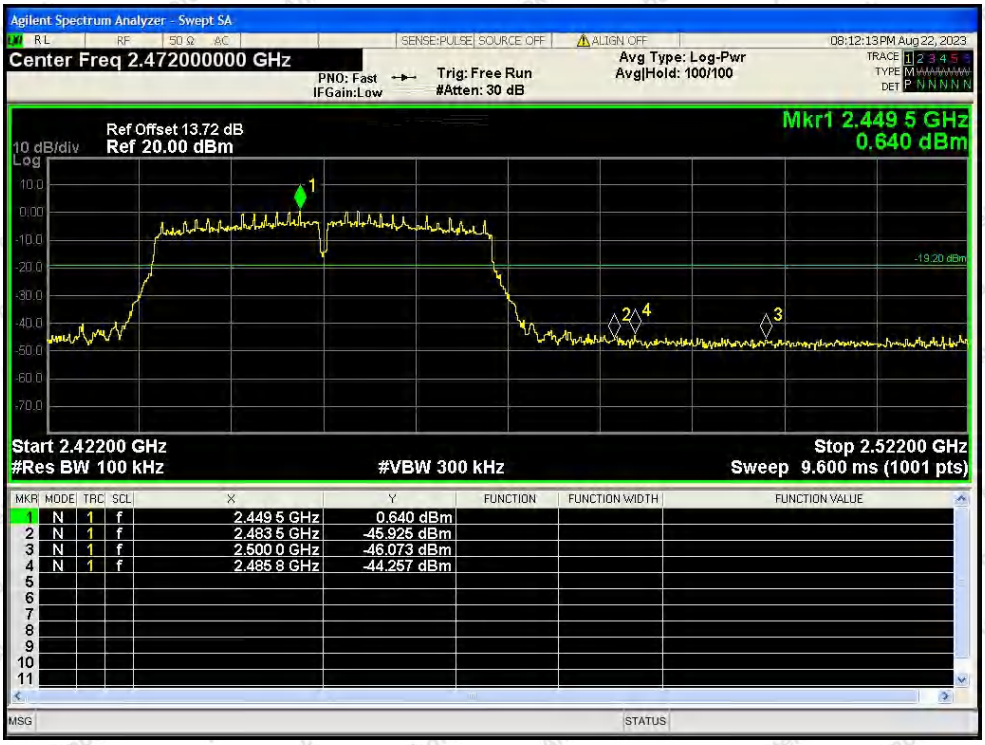
Band Edge NVNT n40 2422MHz Ant1 Ref MIMO

Band Edge NVNT n40 2422MHz Ant1 Emission MIMO

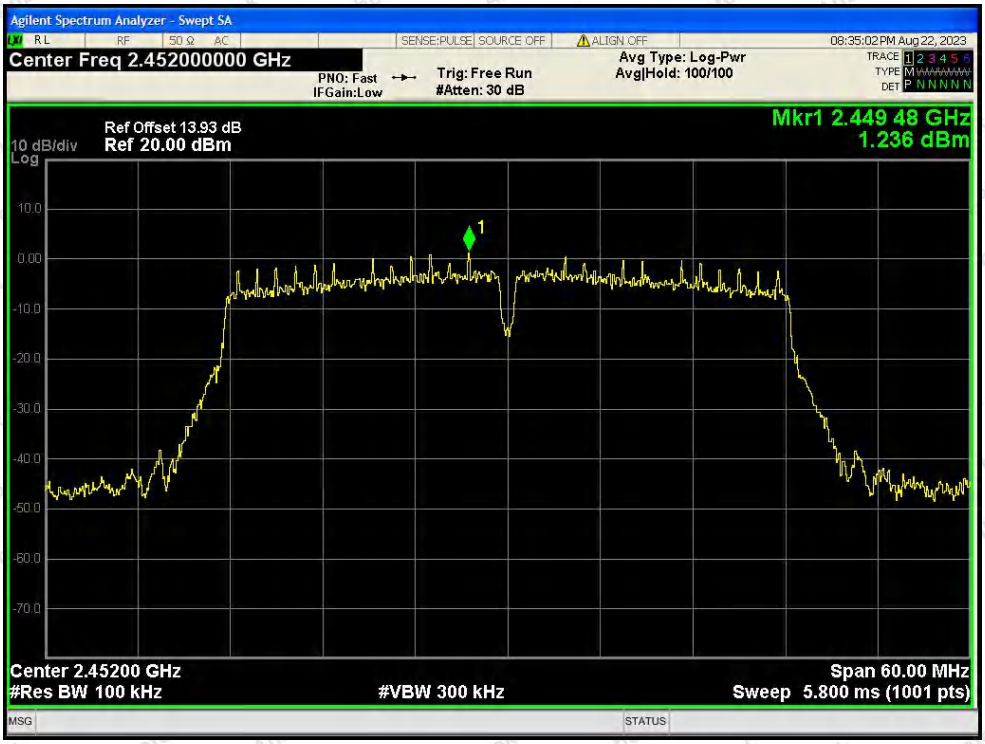


Band Edge NVNT n40 2452MHz Ant0 Ref SISO

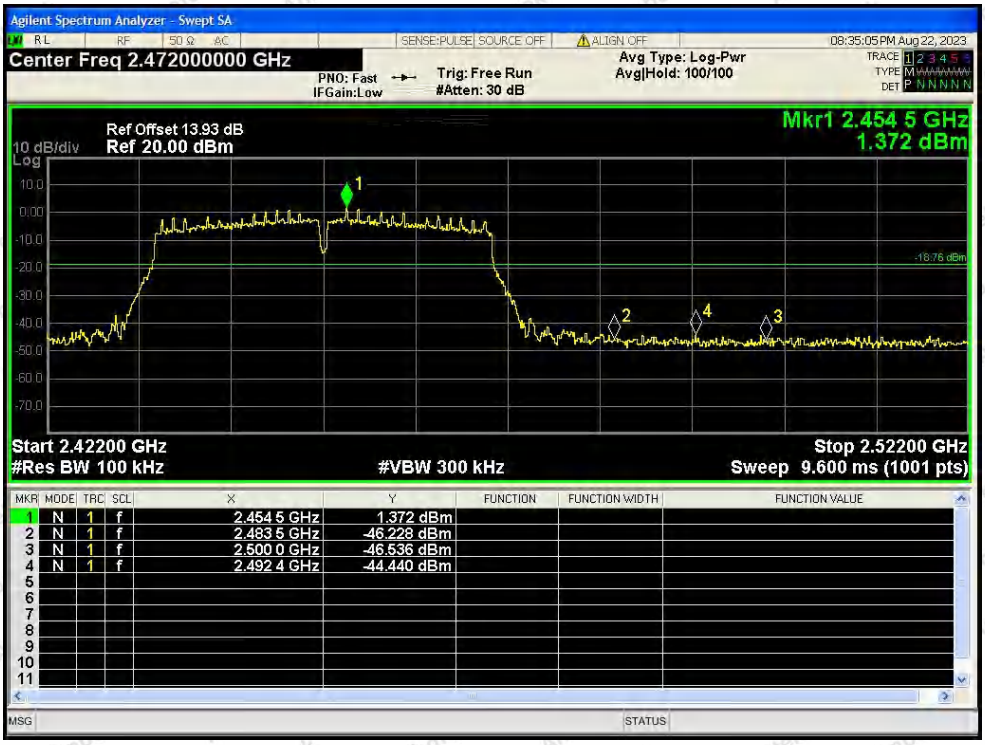
Band Edge NVNT n40 2452MHz Ant0 Emission SISO



Band Edge NVNT n40 2452MHz Ant1 Ref SISO

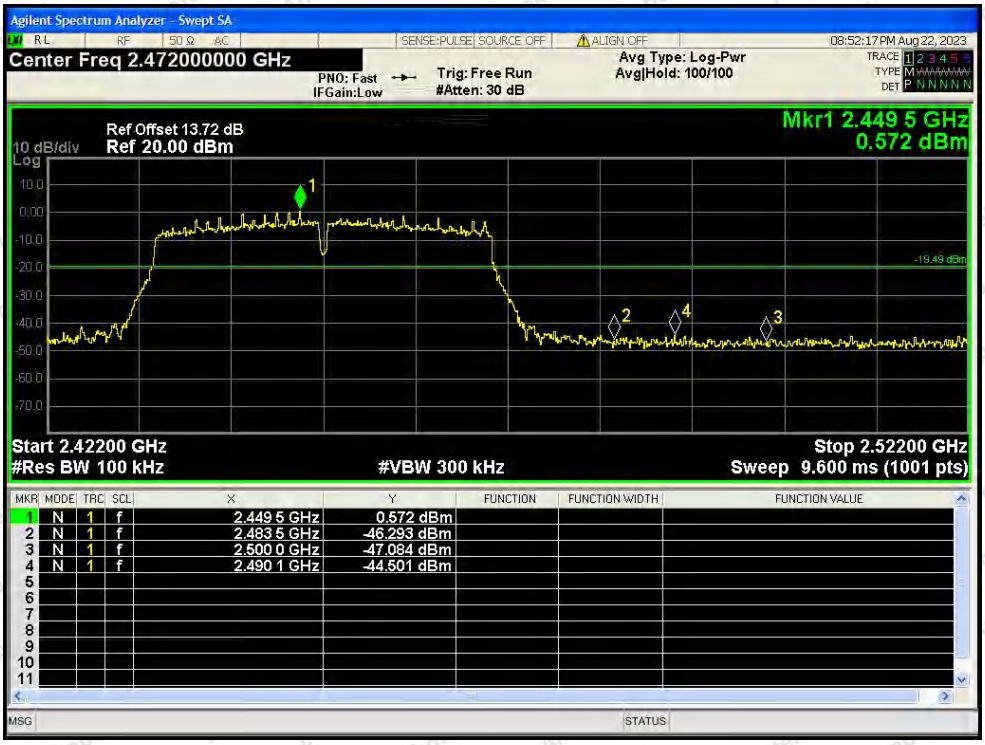


Band Edge NVNT n40 2452MHz Ant1 Emission SISO

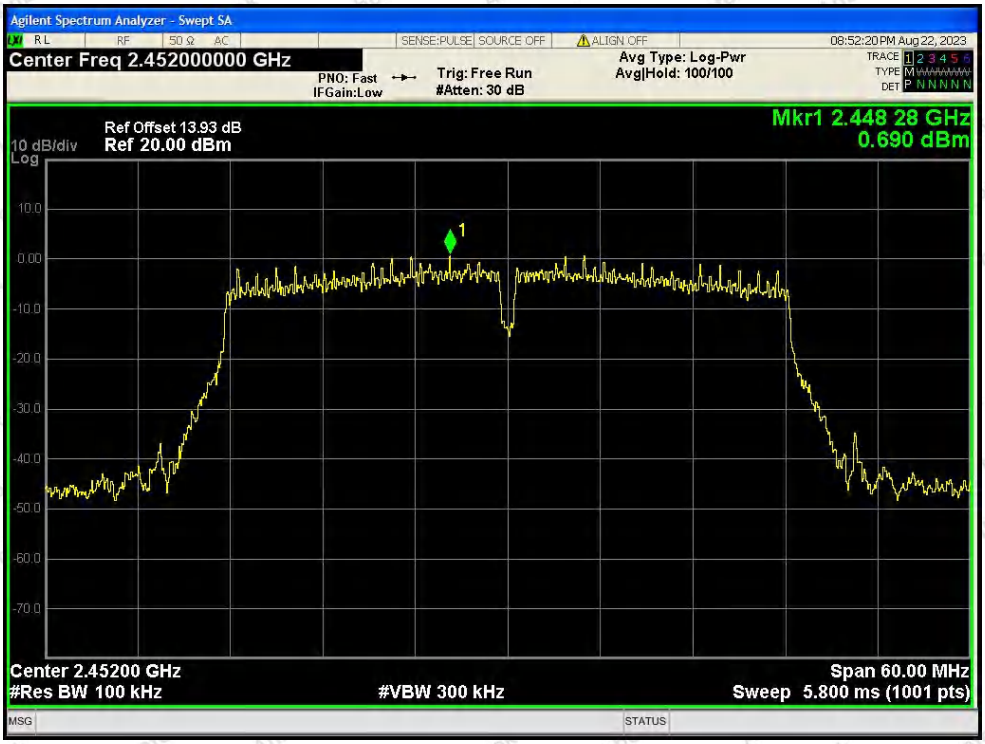


Band Edge NVNT n40 2452MHz Ant0 Ref MIMO

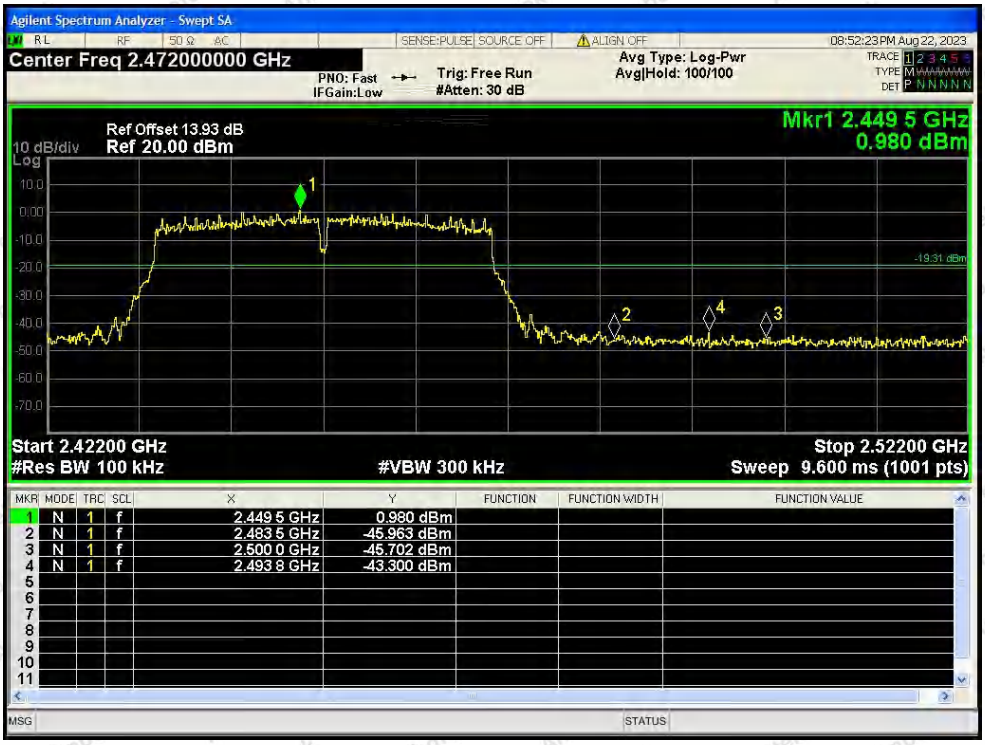
Band Edge NVNT n40 2452MHz Ant0 Emission MIMO



Band Edge NVNT n40 2452MHz Ant1 Ref MIMO



Band Edge NVNT n40 2452MHz Ant1 Emission MIMO



Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b SISO	2412	Ant0	-3.5	0	-3.5	8	Pass
NVNT	b SISO	2412	Ant1	-3.18	0	-3.18	8	Pass
NVNT	b SISO	2437	Ant0	-3.06	0	-3.06	8	Pass
NVNT	b SISO	2437	Ant1	-4.1	0	-4.1	8	Pass
NVNT	b SISO	2462	Ant0	-3.09	0	-3.09	8	Pass
NVNT	b SISO	2462	Ant1	-2.92	0	-2.92	8	Pass
NVNT	g SISO	2412	Ant0	-10.19	0	-10.19	8	Pass
NVNT	g SISO	2412	Ant1	-8.79	0	-8.79	8	Pass
NVNT	g SISO	2437	Ant0	-10.19	0	-10.19	8	Pass
NVNT	g SISO	2437	Ant1	-9.91	0	-9.91	8	Pass
NVNT	g SISO	2462	Ant0	-9.91	0	-9.91	8	Pass
NVNT	g SISO	2462	Ant1	-9.44	0	-9.44	8	Pass
NVNT	n20 SISO	2412	Ant0	-11.11	0	-11.11	8	Pass
NVNT	n20 SISO	2412	Ant1	-10.67	0	-10.67	8	Pass
NVNT	n20 MIMO	2412	Ant0	-9.91	0	-9.91	8	Pass
NVNT	n20 MIMO	2412	Ant1	-9.8	0	-9.8	8	Pass
NVNT	n20 MIMO	2412	Sum	-6.84	0	-6.84	6.04	Pass
NVNT	n20 SISO	2437	Ant0	-10.13	0	-10.13	8	Pass
NVNT	n20 SISO	2437	Ant1	-10.47	0	-10.47	8	Pass

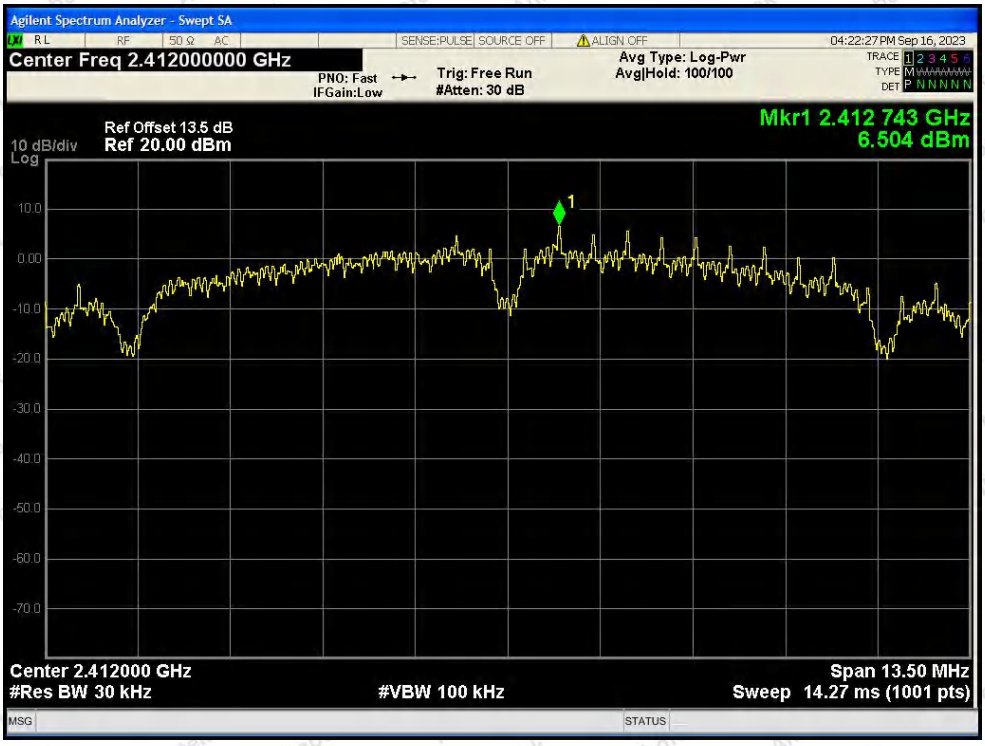
NVNT	n20 MIMO	2437	Ant0	-9.96	0	-9.96	8	Pass
NVNT	n20 MIMO	2437	Ant1	-11.41	0	-11.41	8	Pass
NVNT	n20 MIMO	2437	Sum	-7.61	0	-7.61	6.04	Pass
NVNT	n20 SISO	2462	Ant0	-11.01	0	-11.01	8	Pass
NVNT	n20 SISO	2462	Ant1	-9.36	0	-9.36	8	Pass
NVNT	n20 MIMO	2462	Ant0	-9.67	0	-9.67	8	Pass
NVNT	n20 MIMO	2462	Ant1	-9.33	0	-9.33	8	Pass
NVNT	n20 MIMO	2462	Sum	-6.49	0	-6.49	6.04	Pass
NVNT	n40 SISO	2422	Ant0	-15.96	0	-15.96	8	Pass
NVNT	n40 SISO	2422	Ant1	-15.68	0	-15.68	8	Pass
NVNT	n40 MIMO	2422	Ant0	-15.82	0	-15.82	8	Pass
NVNT	n40 MIMO	2422	Ant1	-16.08	0	-16.08	8	Pass
NVNT	n40 MIMO	2422	Sum	-12.94	0	-12.94	6.04	Pass
NVNT	n40 SISO	2437	Ant0	-15.52	0	-15.52	8	Pass
NVNT	n40 SISO	2437	Ant1	-15.35	0	-15.35	8	Pass
NVNT	n40 MIMO	2437	Ant0	-15.36	0	-15.36	8	Pass
NVNT	n40 MIMO	2437	Ant1	-15.32	0	-15.32	8	Pass
NVNT	n40 MIMO	2437	Sum	-12.33	0	-12.33	6.04	Pass
NVNT	n40 SISO	2452	Ant0	-15.49	0	-15.49	8	Pass
NVNT	n40 SISO	2452	Ant1	-15.31	0	-15.31	8	Pass
NVNT	n40 MIMO	2452	Ant0	-14.56	0	-14.56	8	Pass

NVNT	n40 MIMO	2452	Ant1	-14.16	0	-14.16	8	Pass
NVNT	n40 MIMO	2452	Sum	-11.35	0	-11.35	6.04	Pass

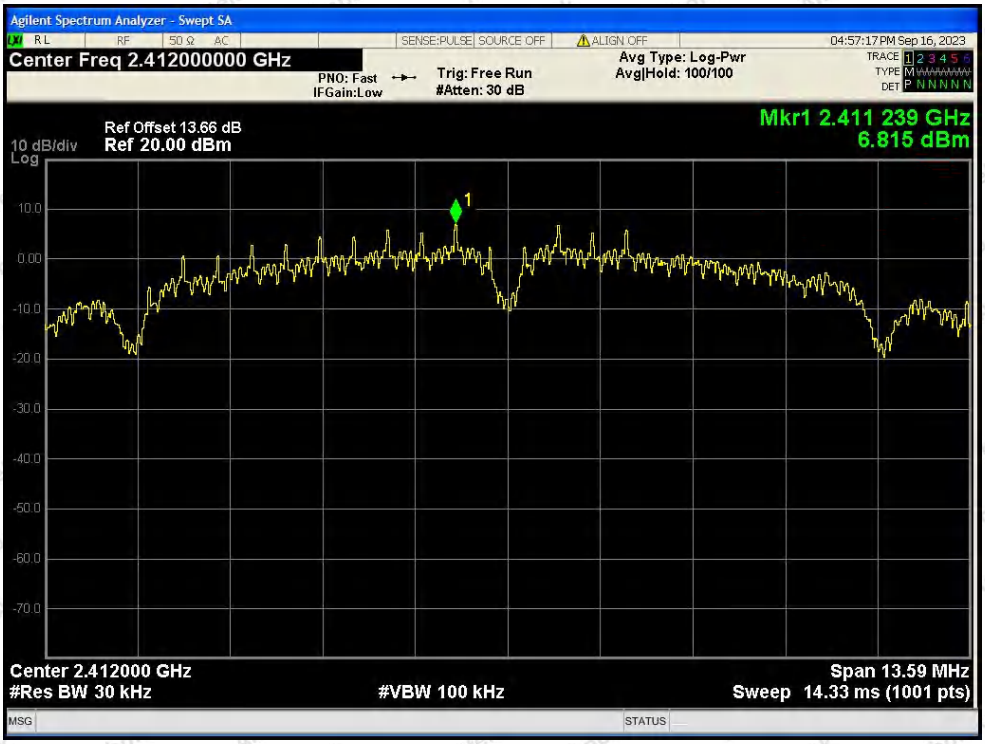
Note: Directional gain = $10\log[(10^{G0/20}+10^{G1/20})^2/2$ = 7.96dBi＞6dBi, so the PSD limit shall be reduced to 8-(7.96-6) =6.04dBm/3kHz.

Test Graphs

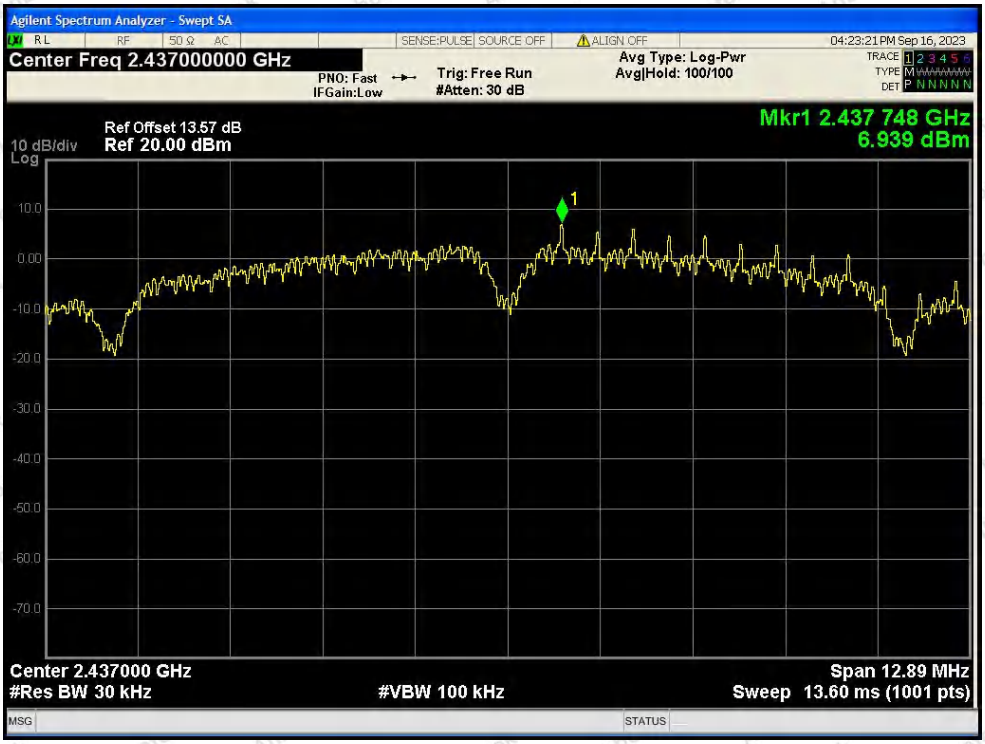
PSD NVNT b 2412MHz Ant0 SISO



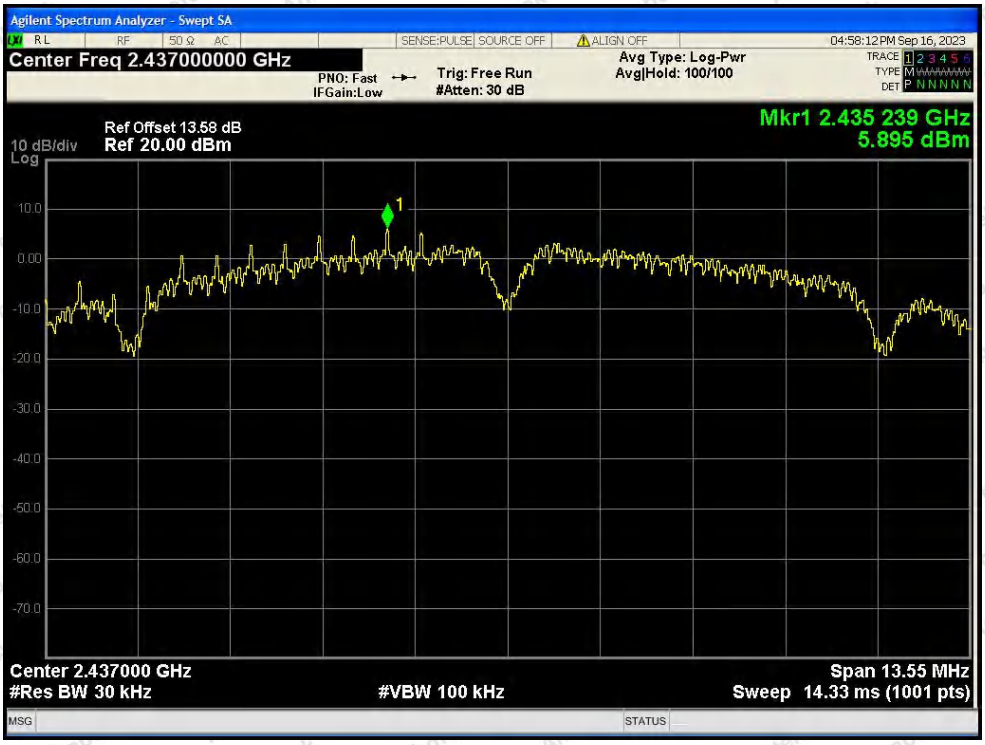
PSD NVNT b 2412MHz Ant1 SISO



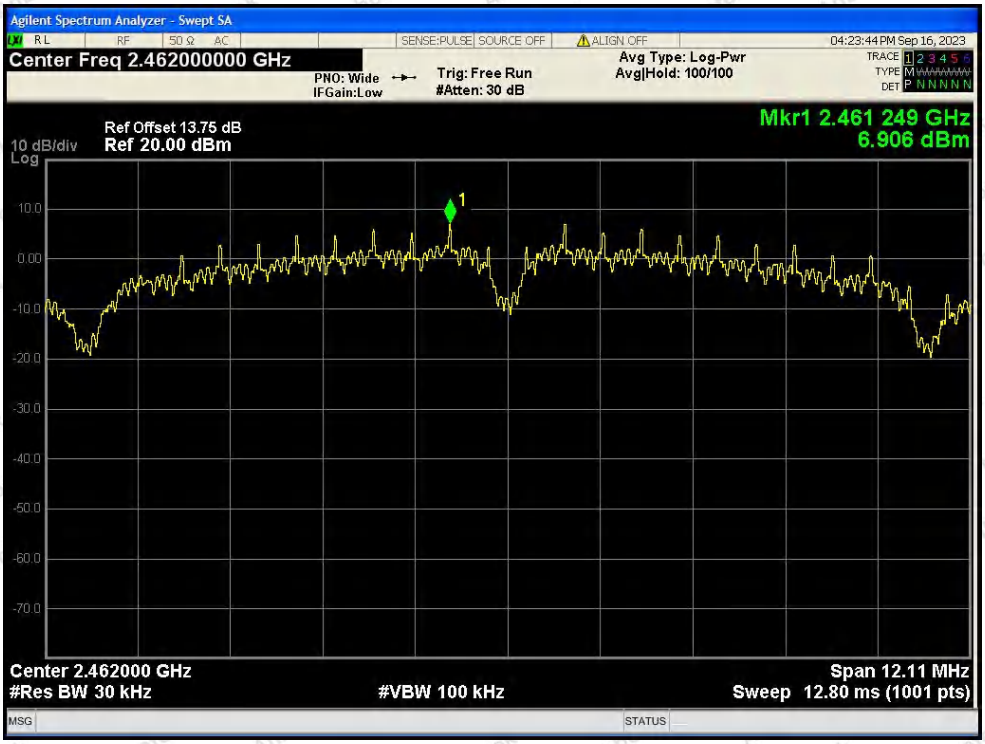
PSD NVNT b 2437MHz Ant0 SISO



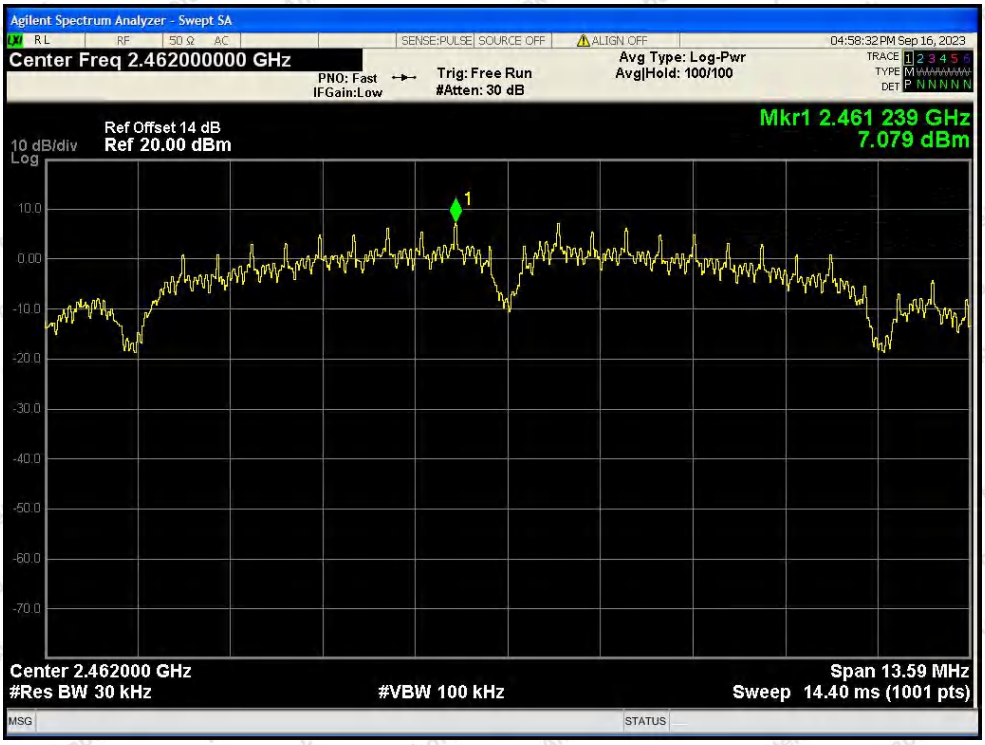
PSD NVNT b 2437MHz Ant1 SISO



PSD NVNT b 2462MHz Ant0 SISO



PSD NVNT b 2462MHz Ant1 SISO



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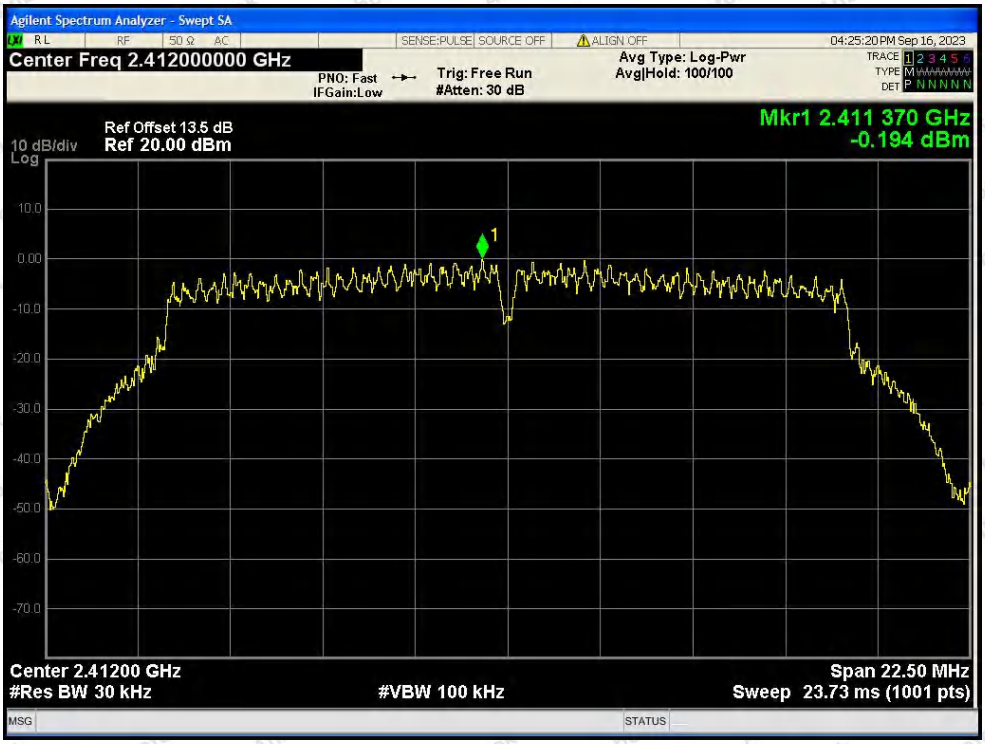

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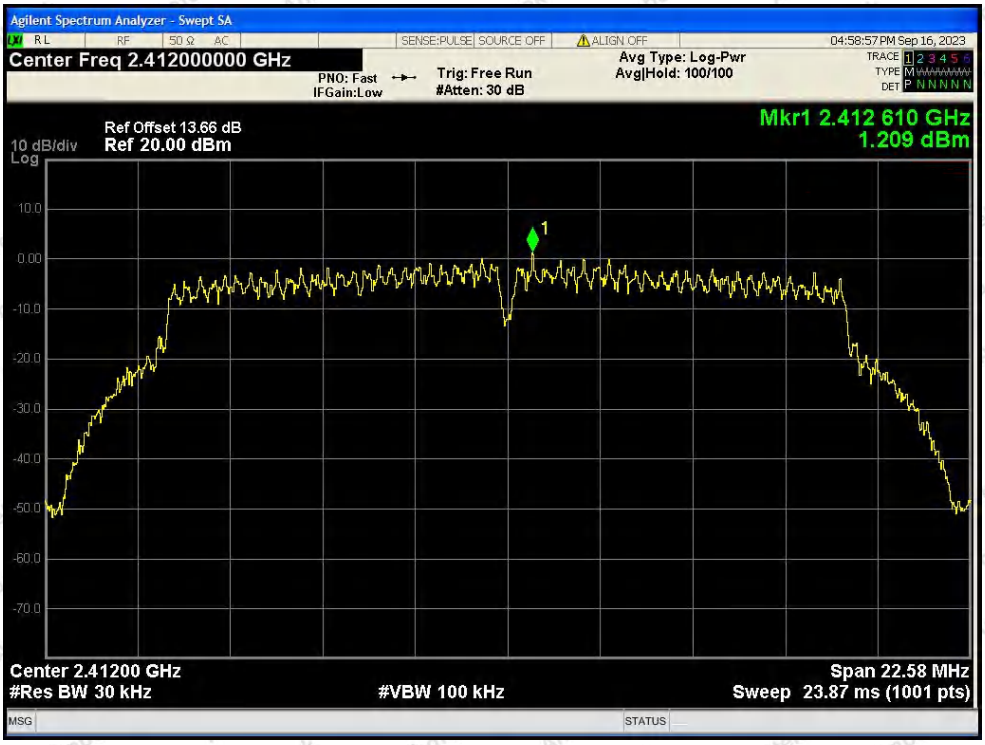

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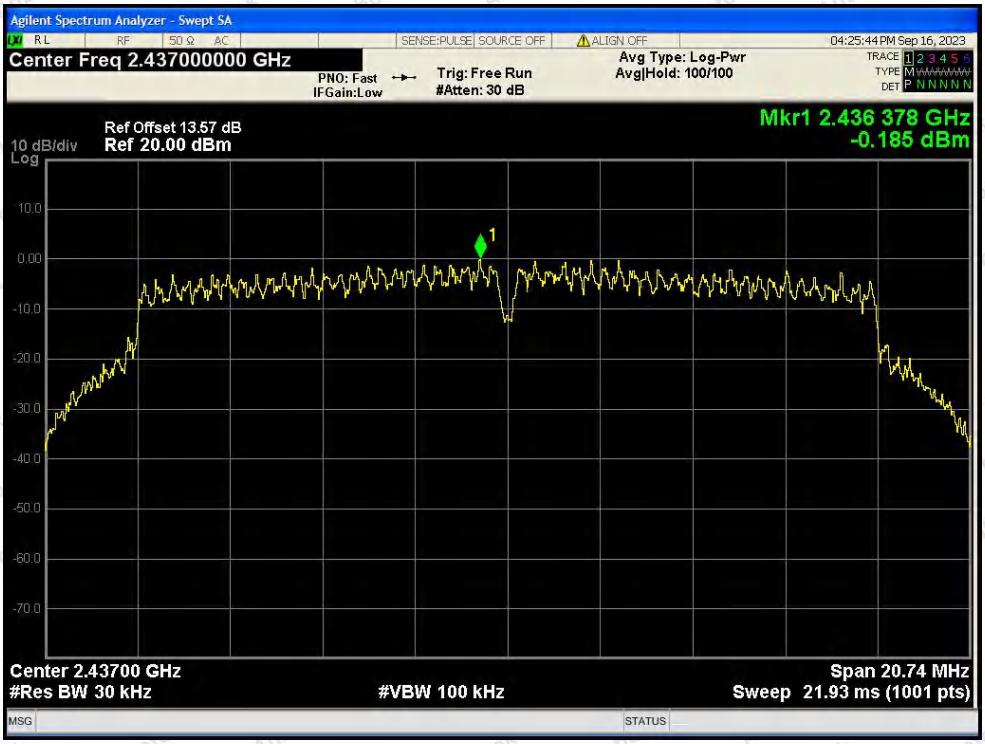

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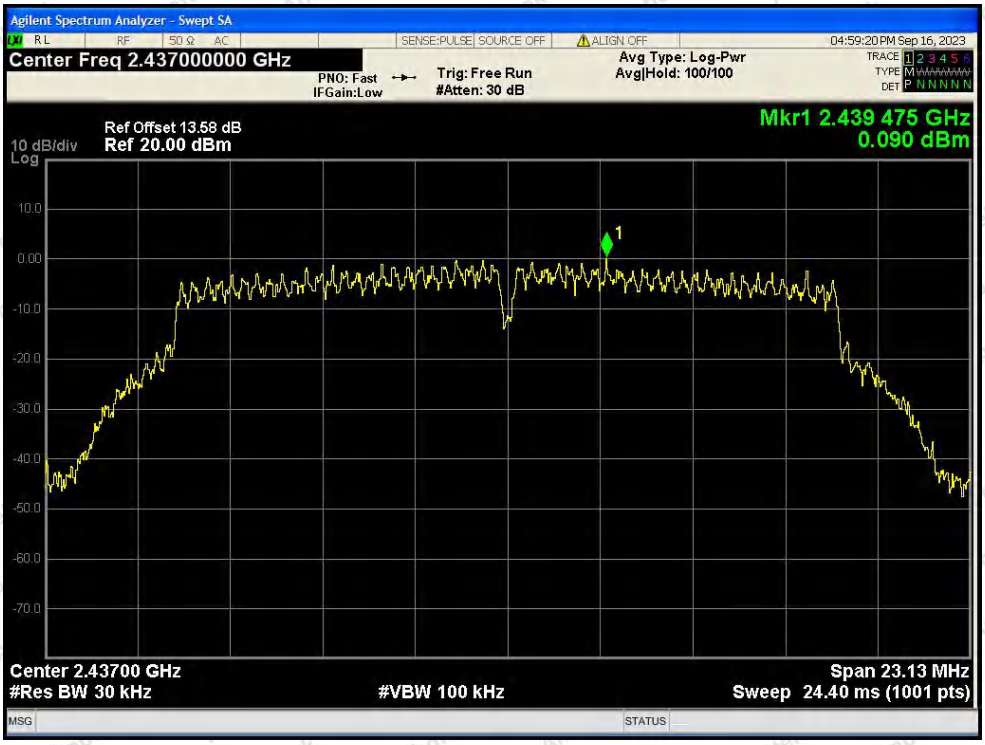

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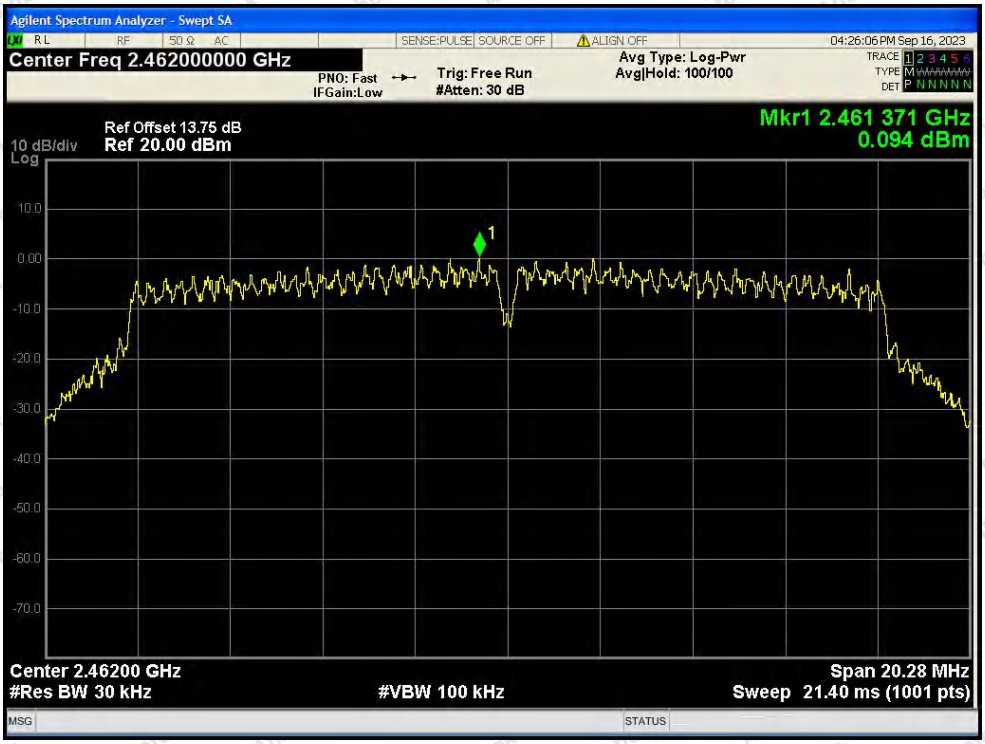

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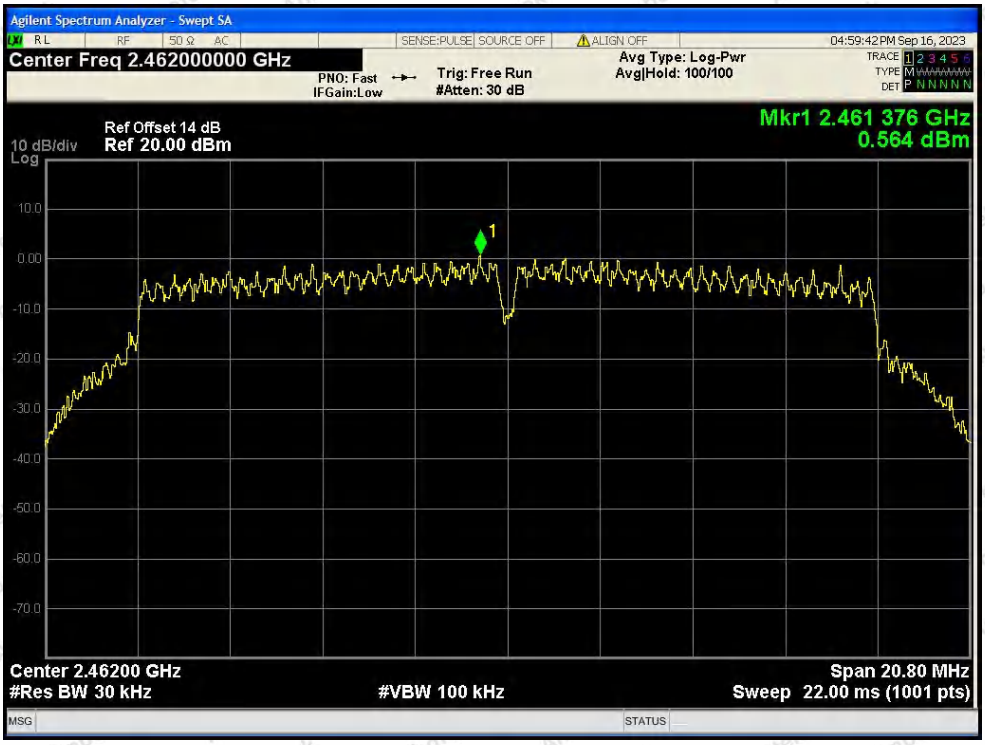
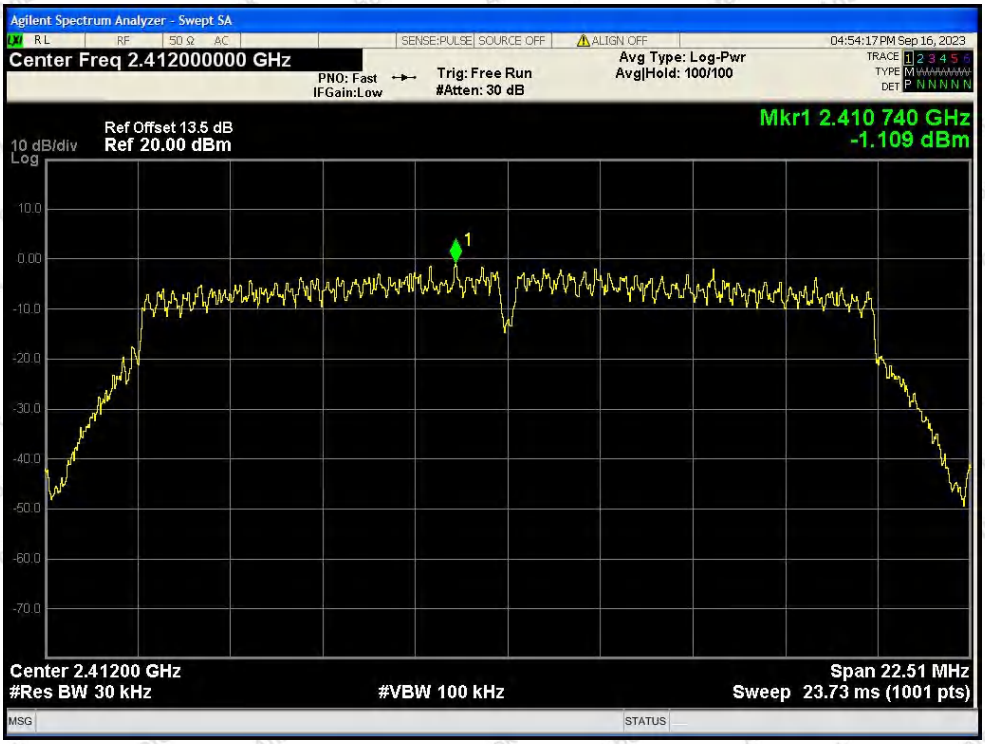
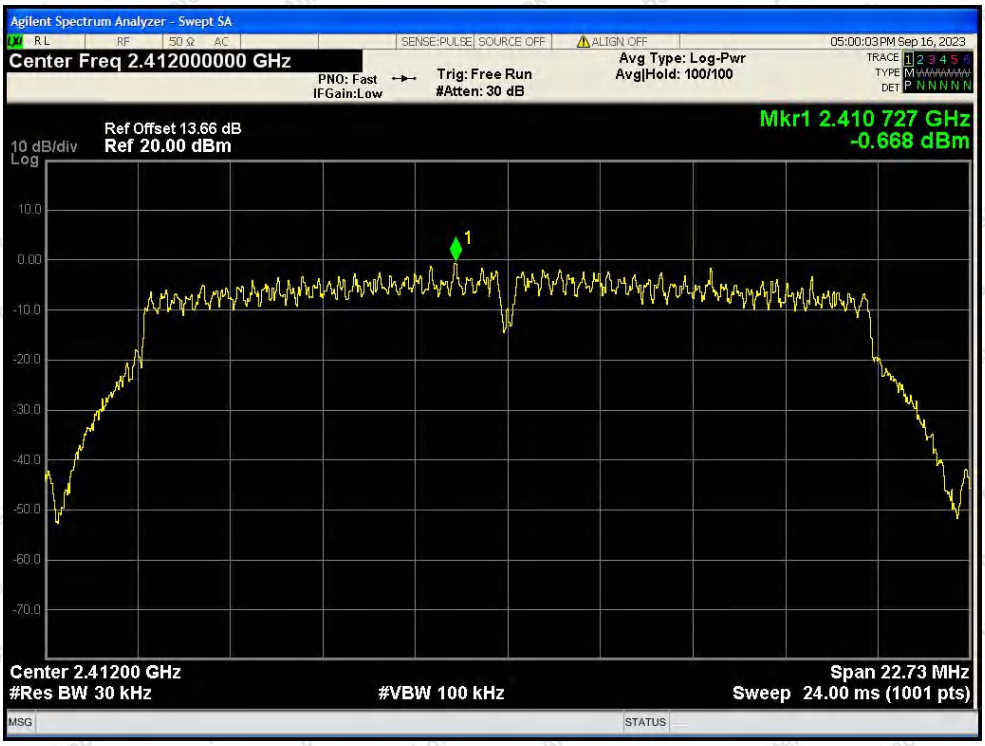


PSD NVNT n20 2412MHz Ant0 SISO



PSD NVNT n20 2412MHz Ant1 SISO



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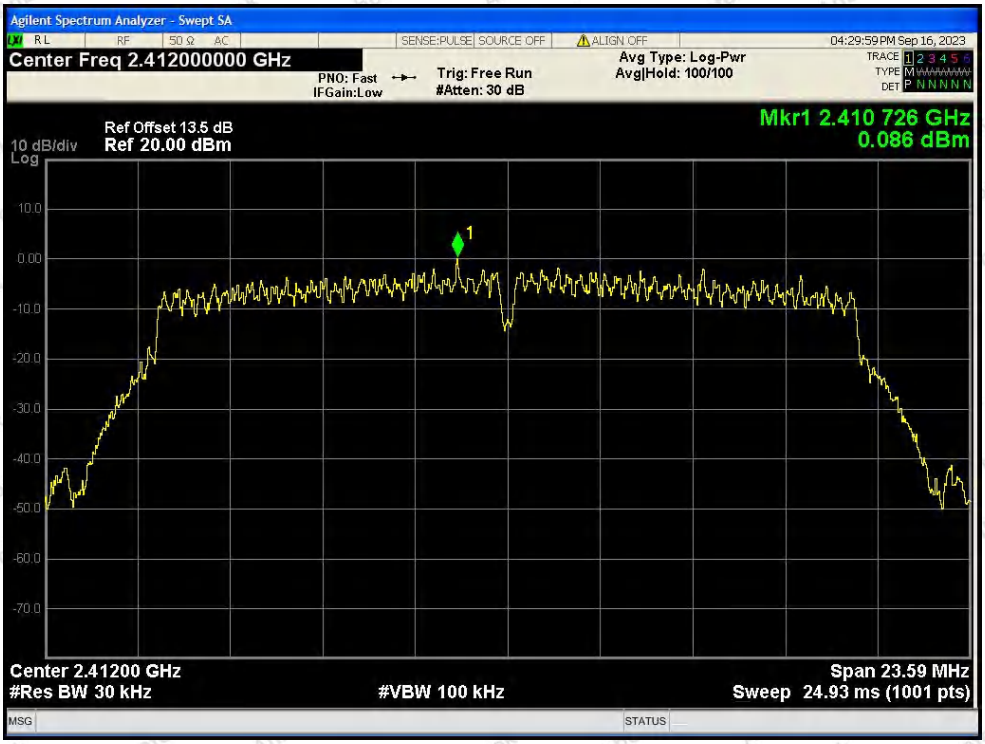

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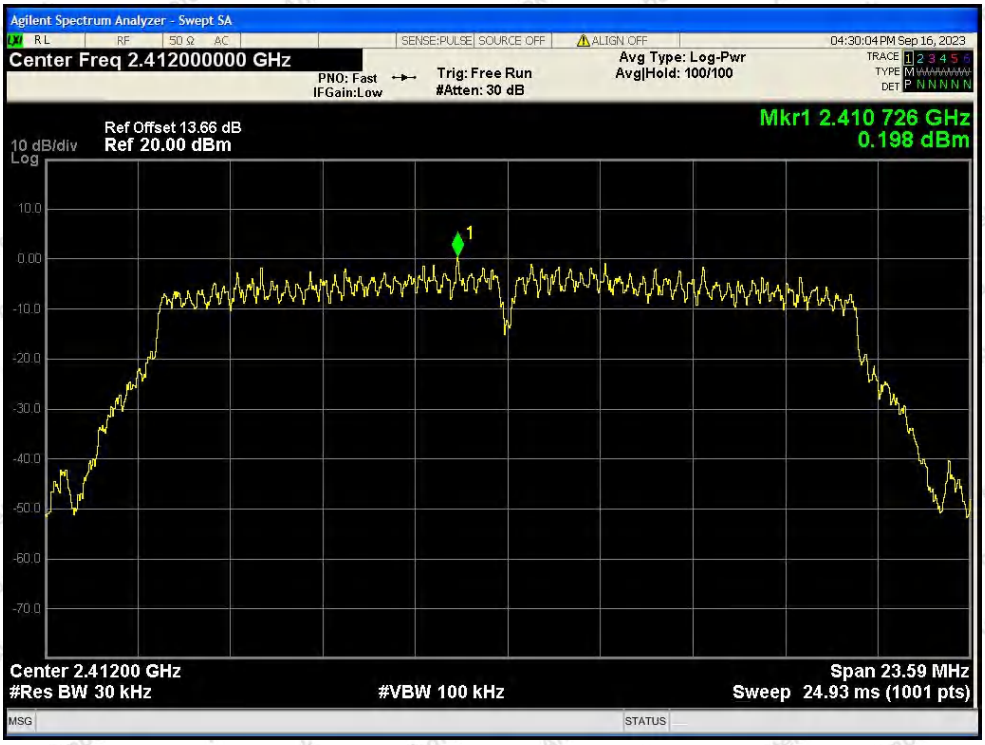

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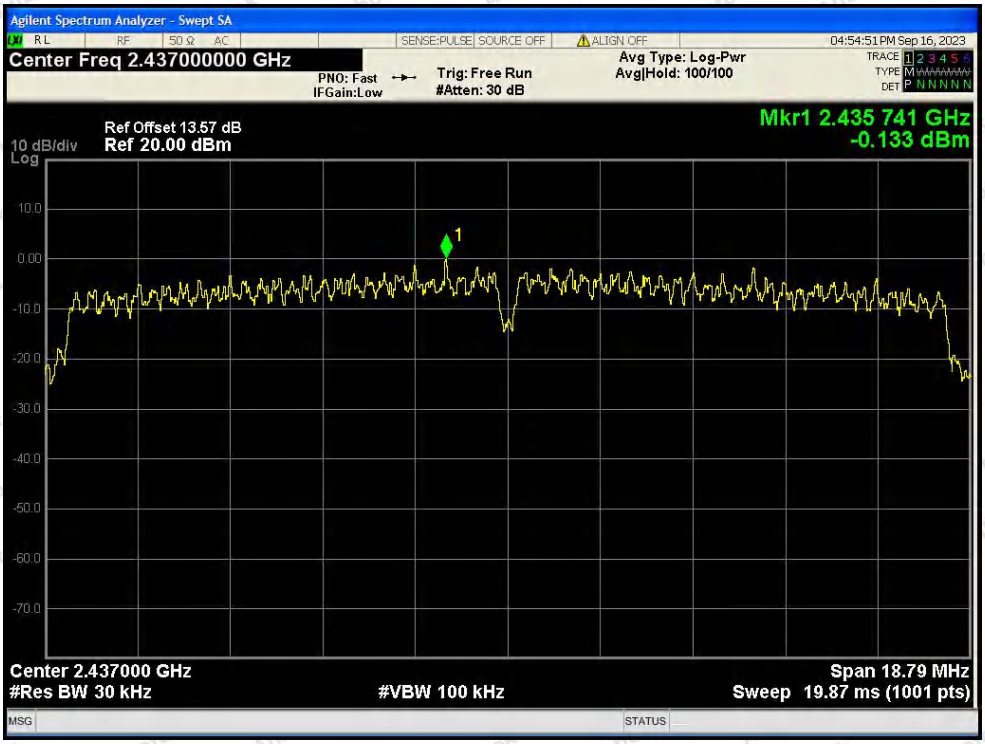

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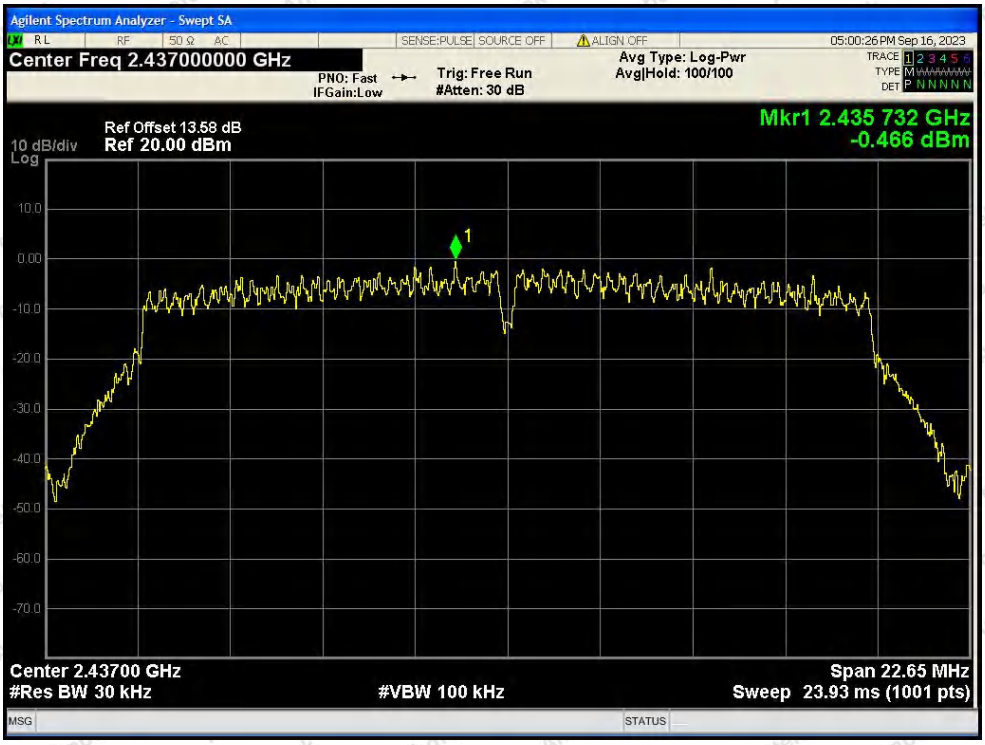

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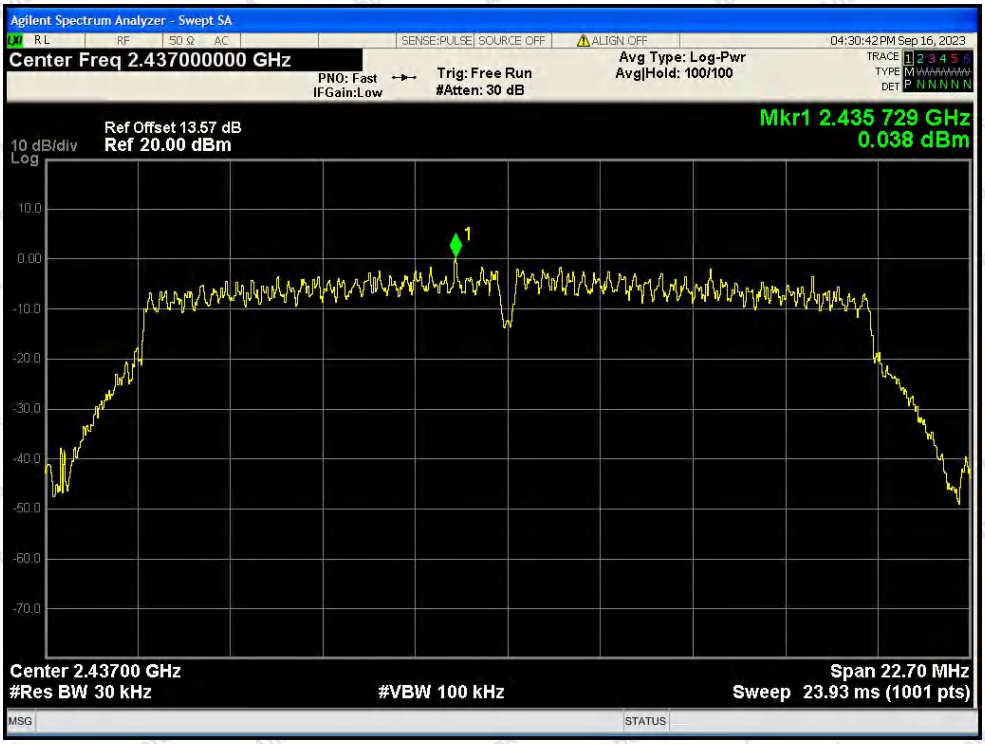

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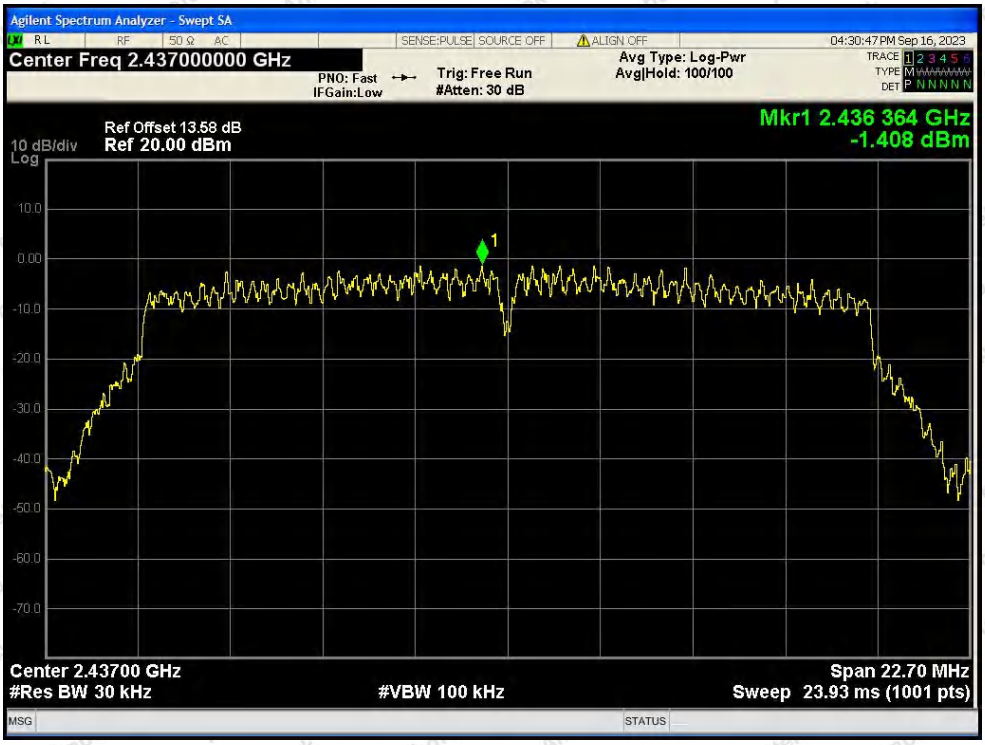
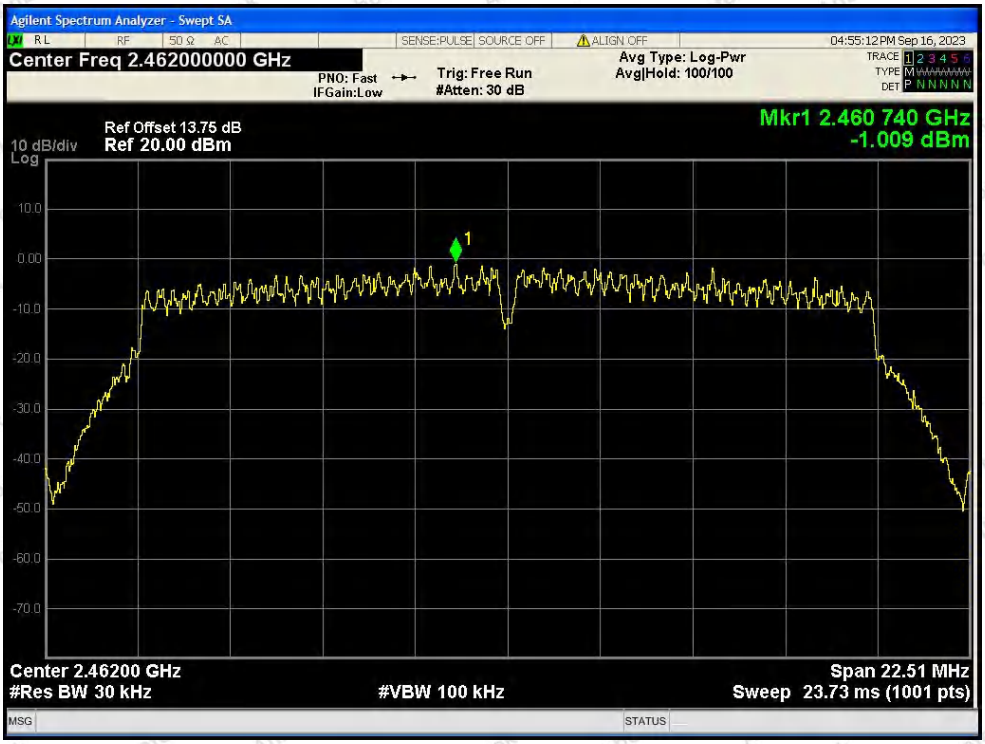
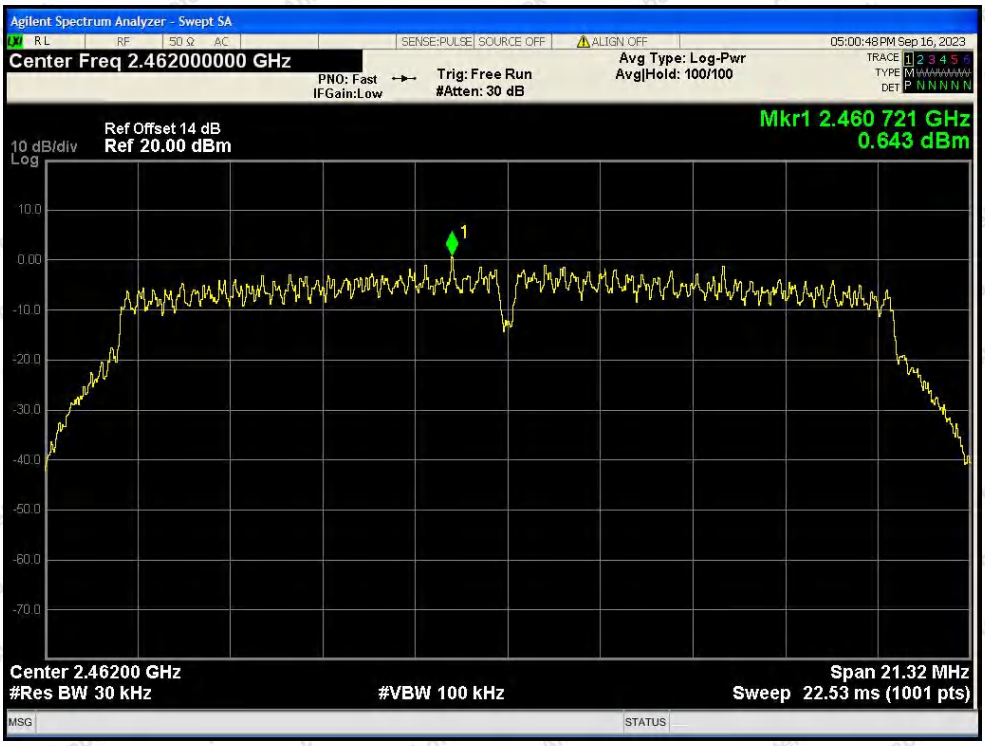


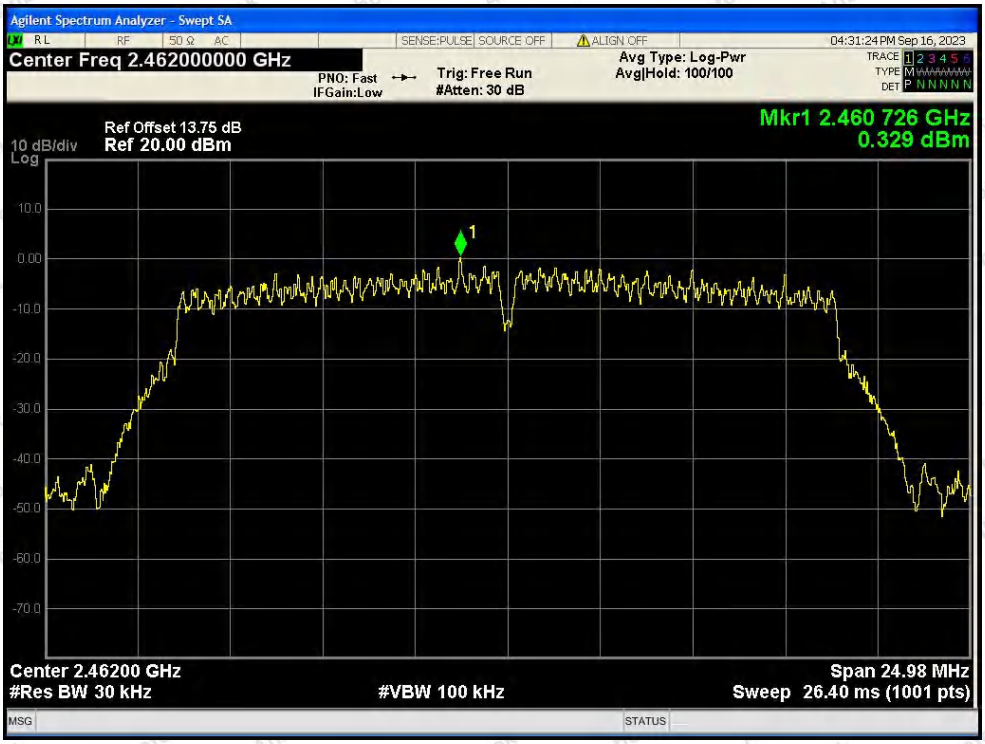
PSD NVNT n20 2462MHz Ant0 SISO



PSD NVNT n20 2462MHz Ant1 SISO



PSD NVNT n20 2462MHz Ant0 MIMO



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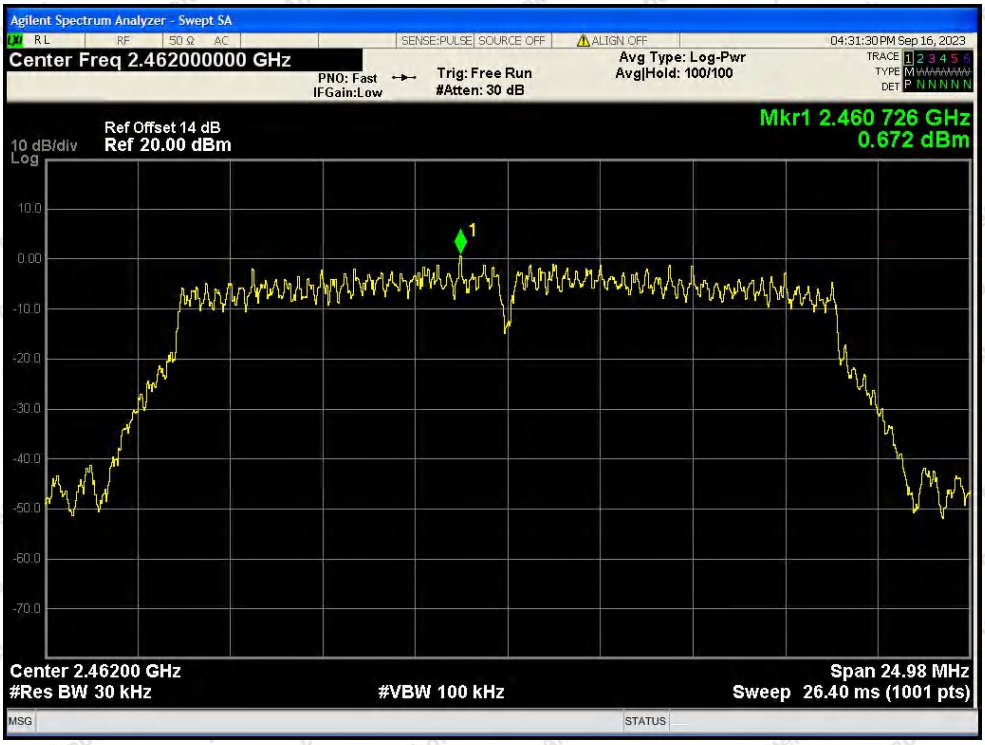

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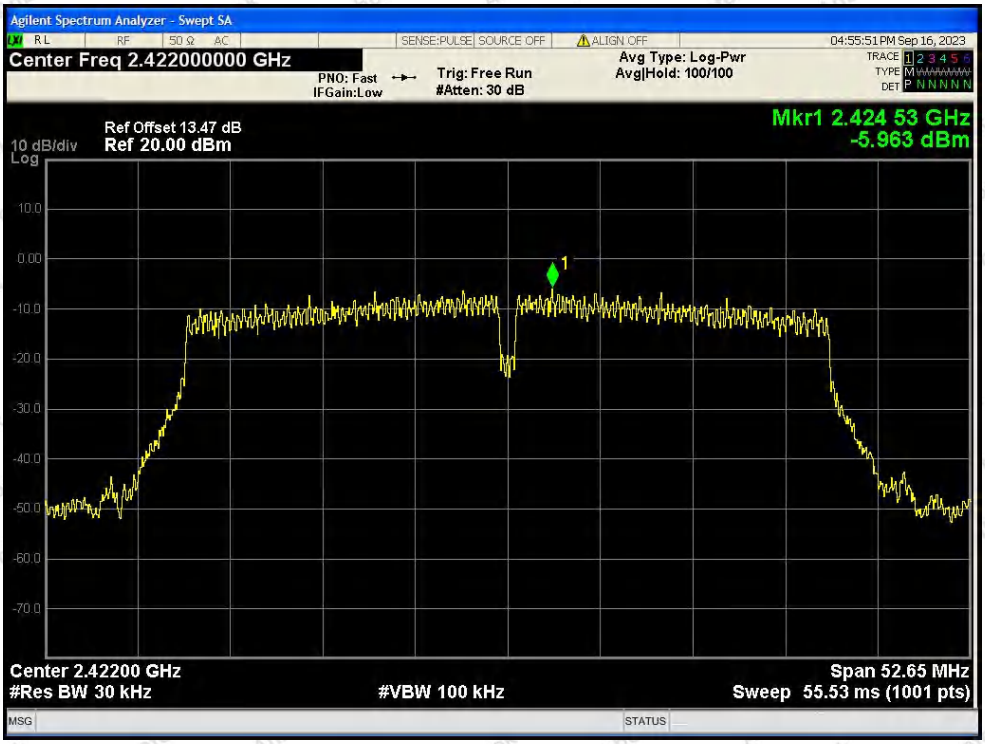
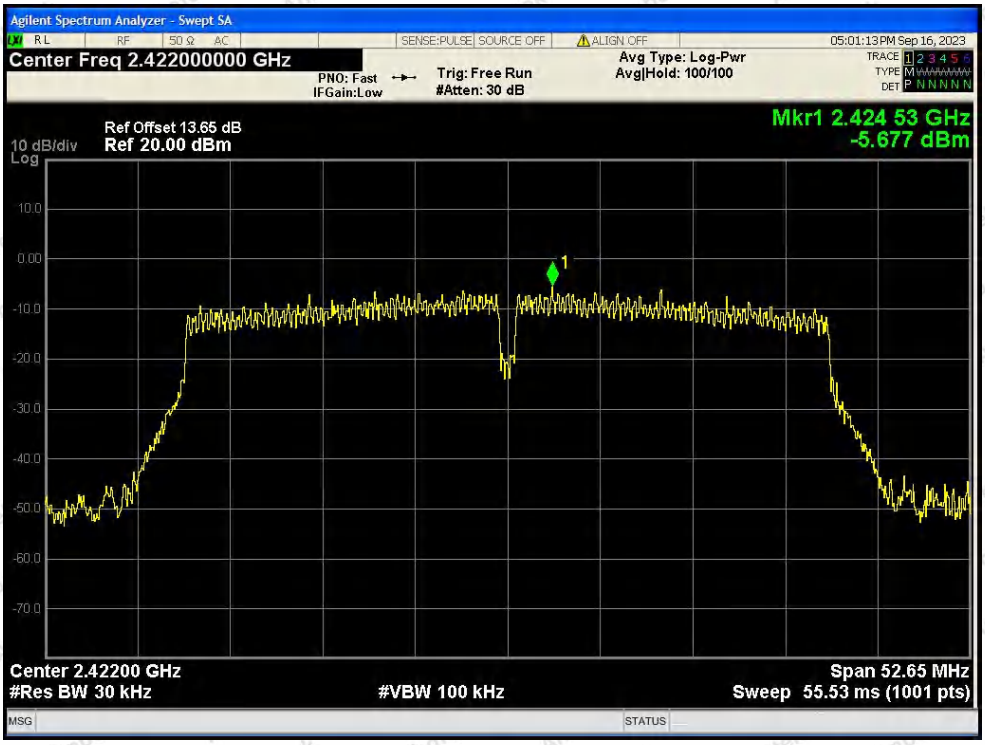
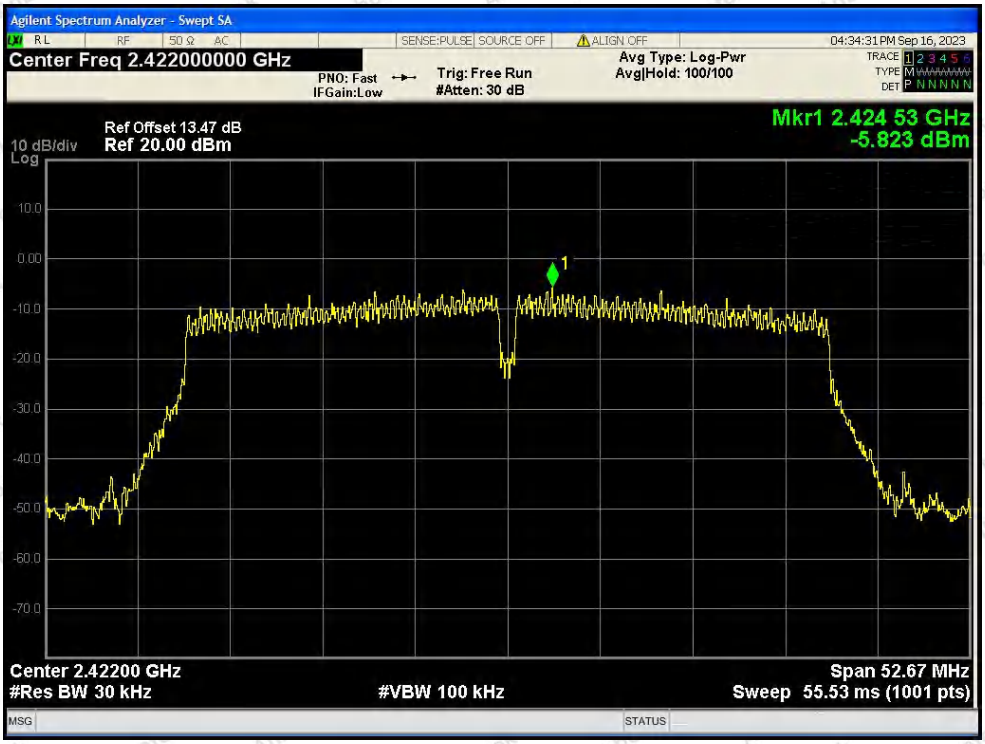


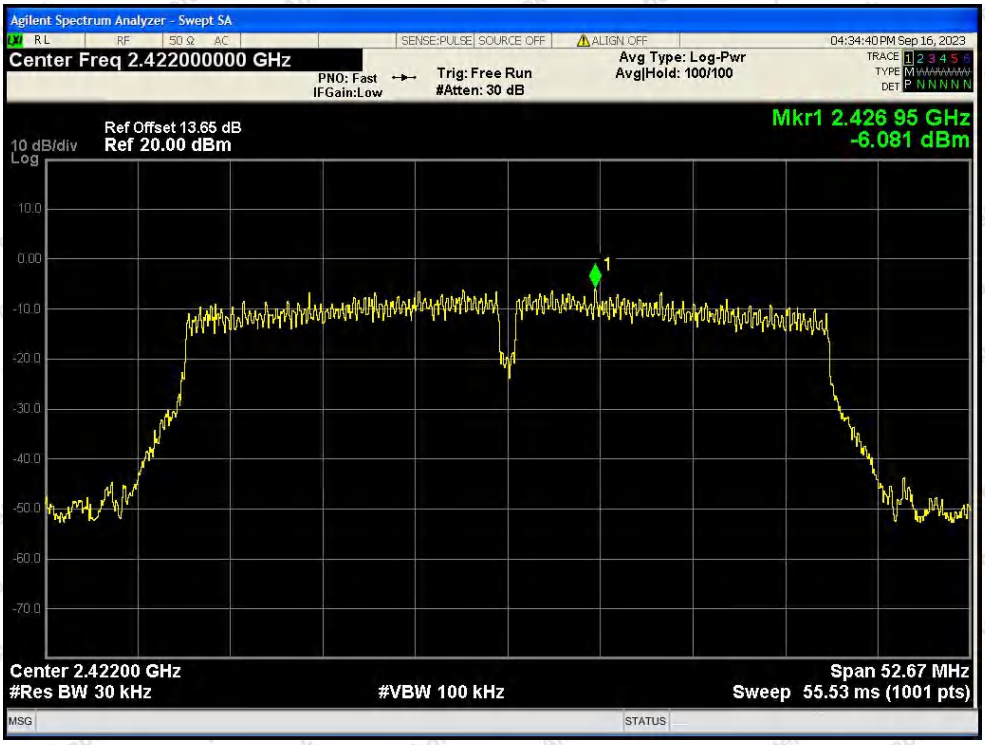
PSD NVNT n40 2422MHz Ant1 SISO



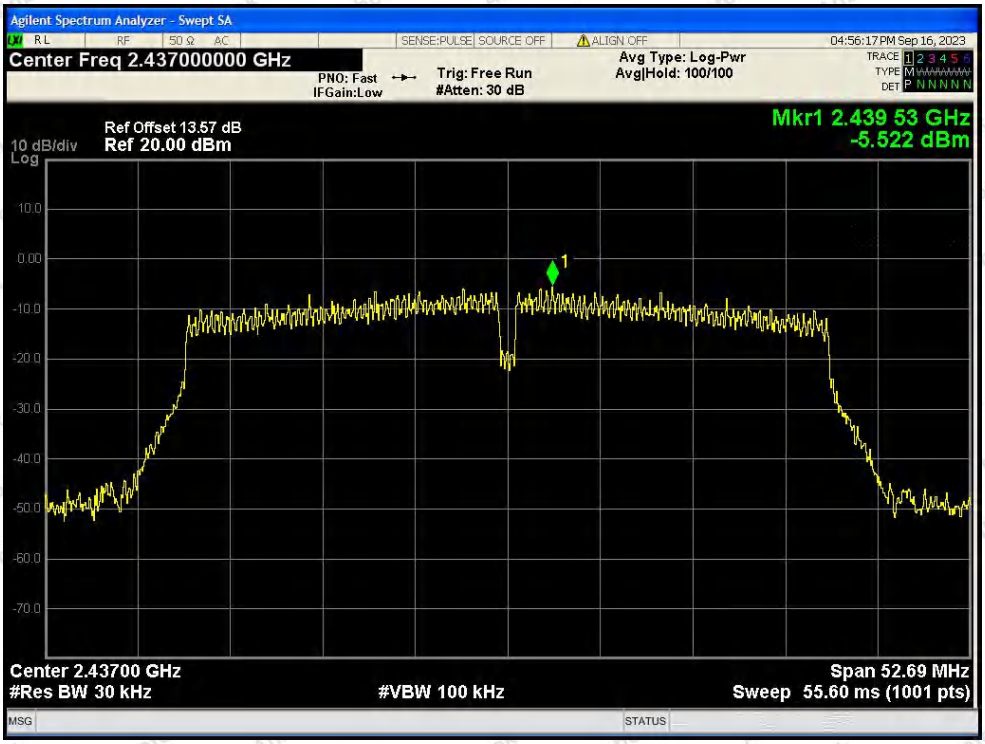
PSD NVNT n40 2422MHz Ant0 MIMO



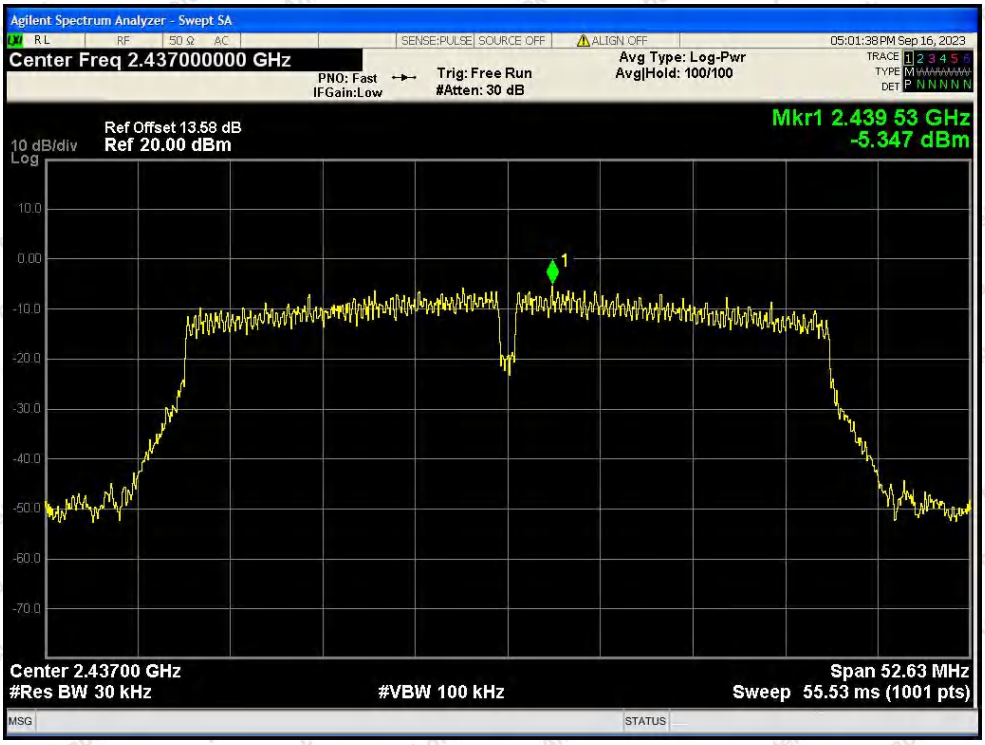
PSD NVNT n40 2422MHz Ant1 MIMO



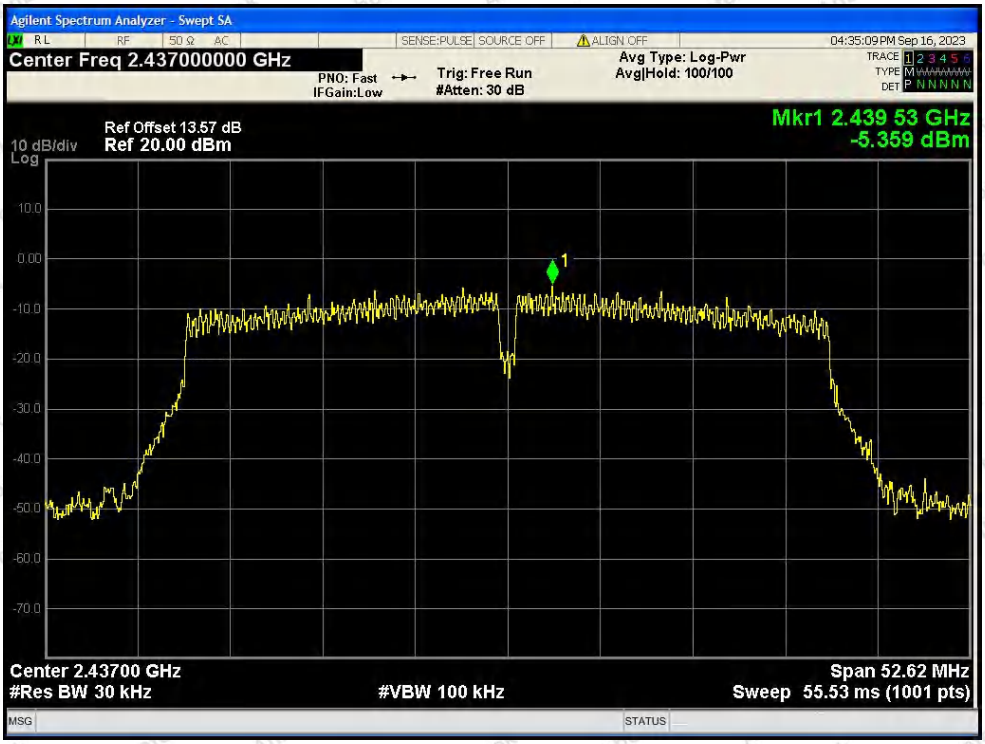
PSD NVNT n40 2437MHz Ant0 SISO



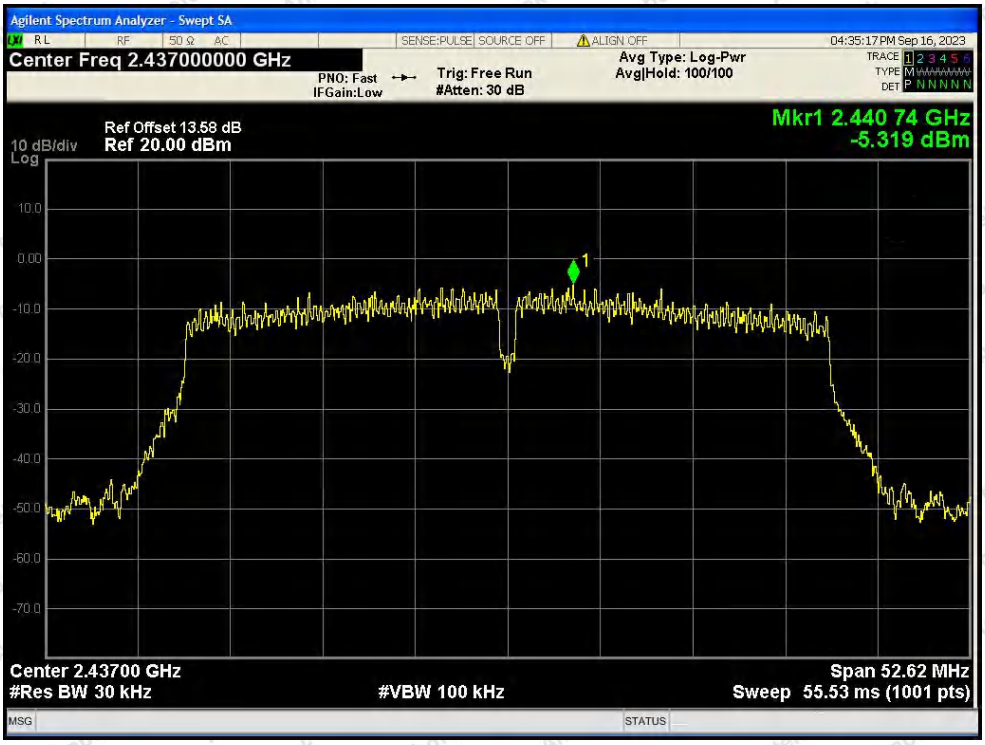
PSD NVNT n40 2437MHz Ant1 SISO



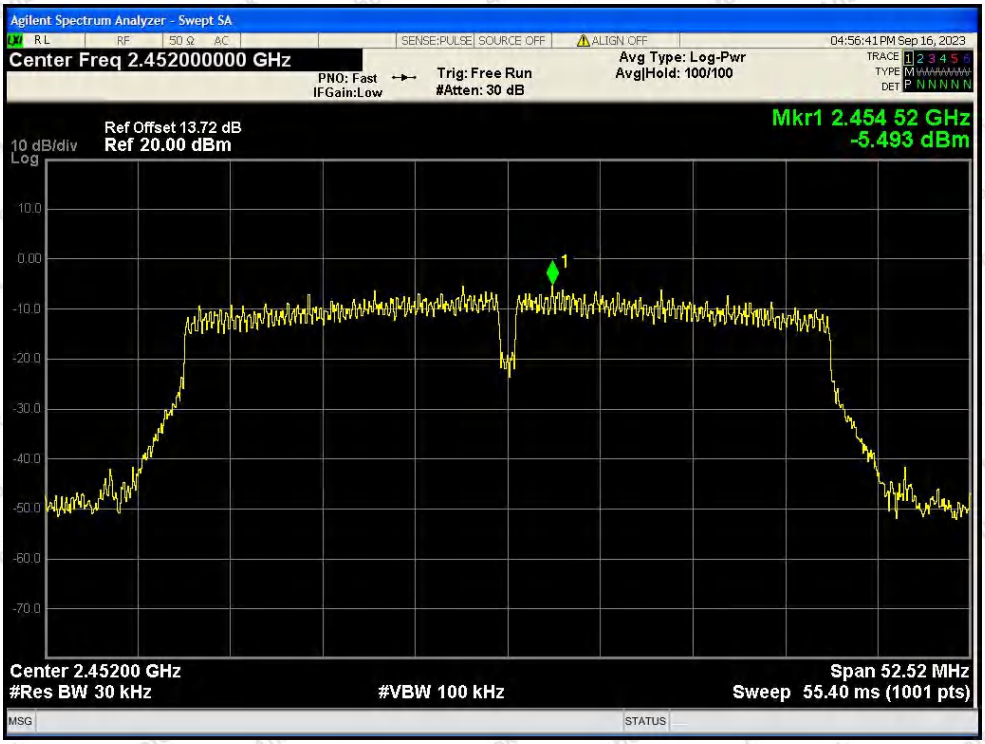
PSD NVNT n40 2437MHz Ant0 MIMO



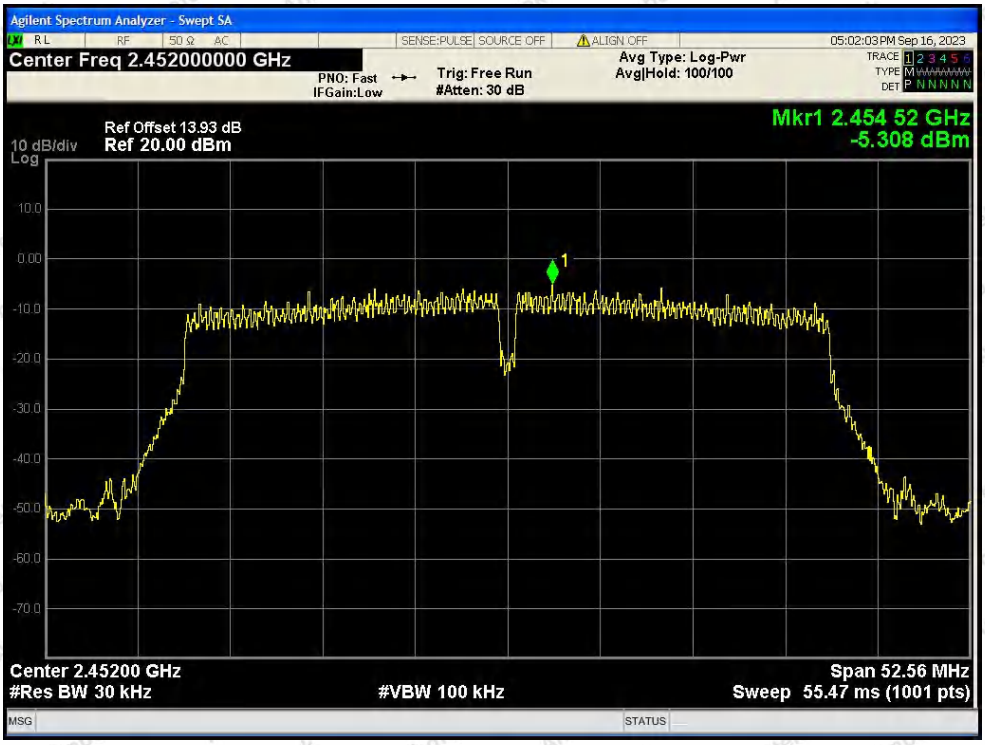
PSD NVNT n40 2437MHz Ant1 MIMO



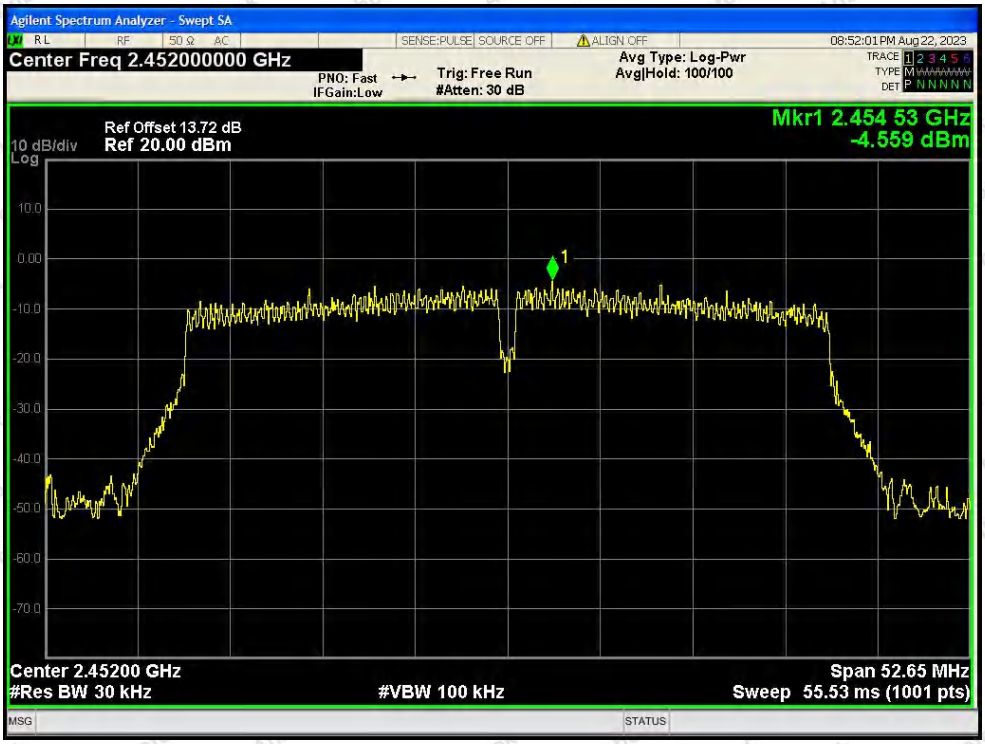
PSD NVNT n40 2452MHz Ant0 SISO



PSD NVNT n40 2452MHz Ant1 SISO



PSD NVNT n40 2452MHz Ant0 MIMO



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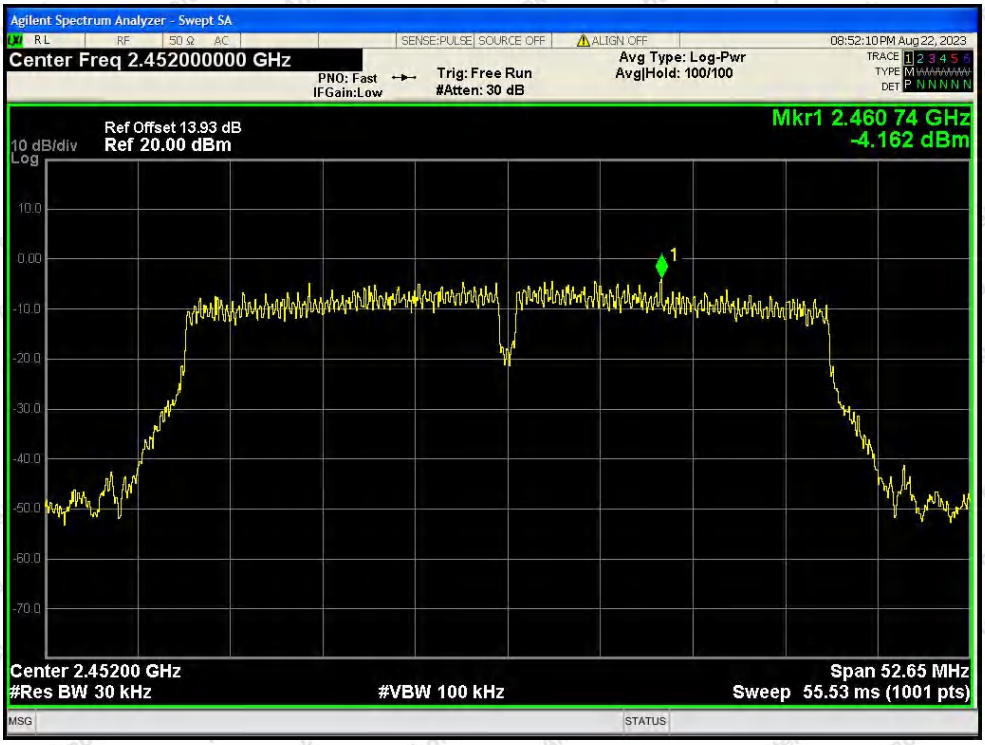

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