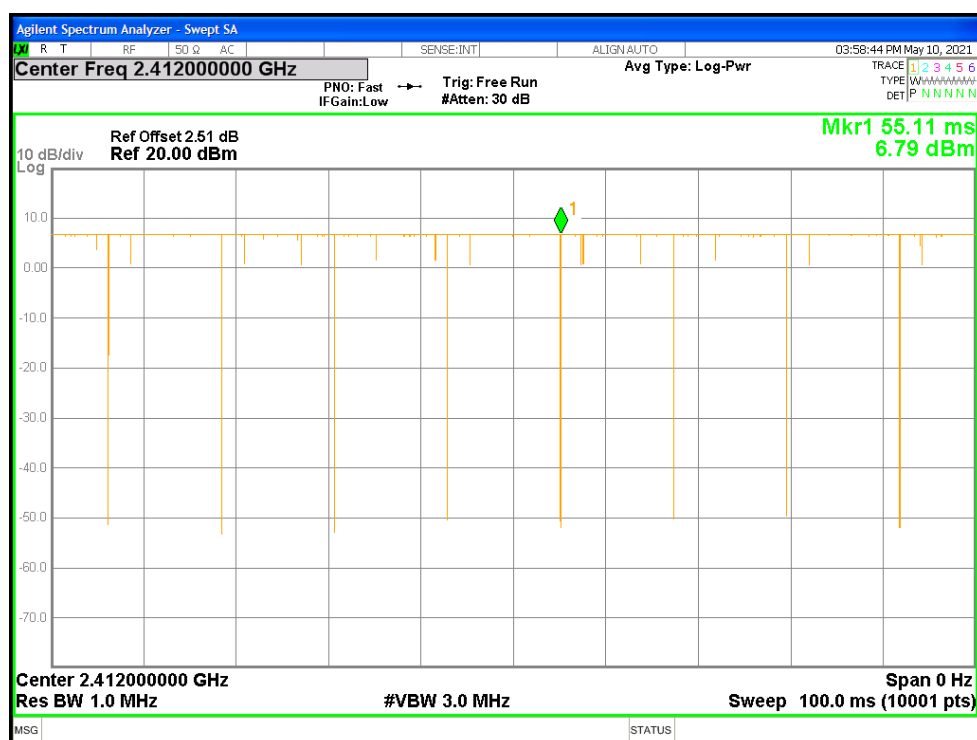


Appendix 1:WIIF RF TEST DATA

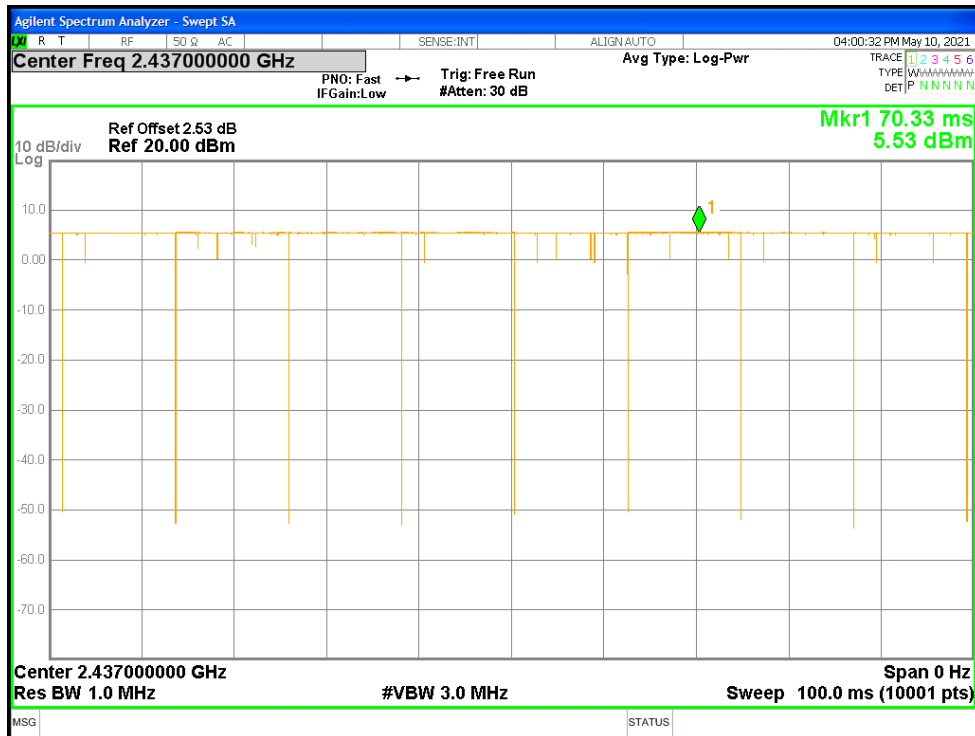
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Sum	99.89	0
NVNT	b	2437	Sum	99.87	0.01
NVNT	b	2462	Sum	99.89	0
NVNT	g	2412	Sum	99.26	0.03
NVNT	g	2437	Sum	99.25	0.03
NVNT	g	2462	Sum	99.27	0.03
NVNT	n20	2412	Sum	99.22	0.03
NVNT	n20	2437	Sum	99.21	0.03
NVNT	n20	2462	Sum	99.22	0.03
NVNT	n40	2422	Sum	98.41	0.07
NVNT	n40	2437	Sum	98.43	0.07
NVNT	n40	2452	Sum	98.41	0.07

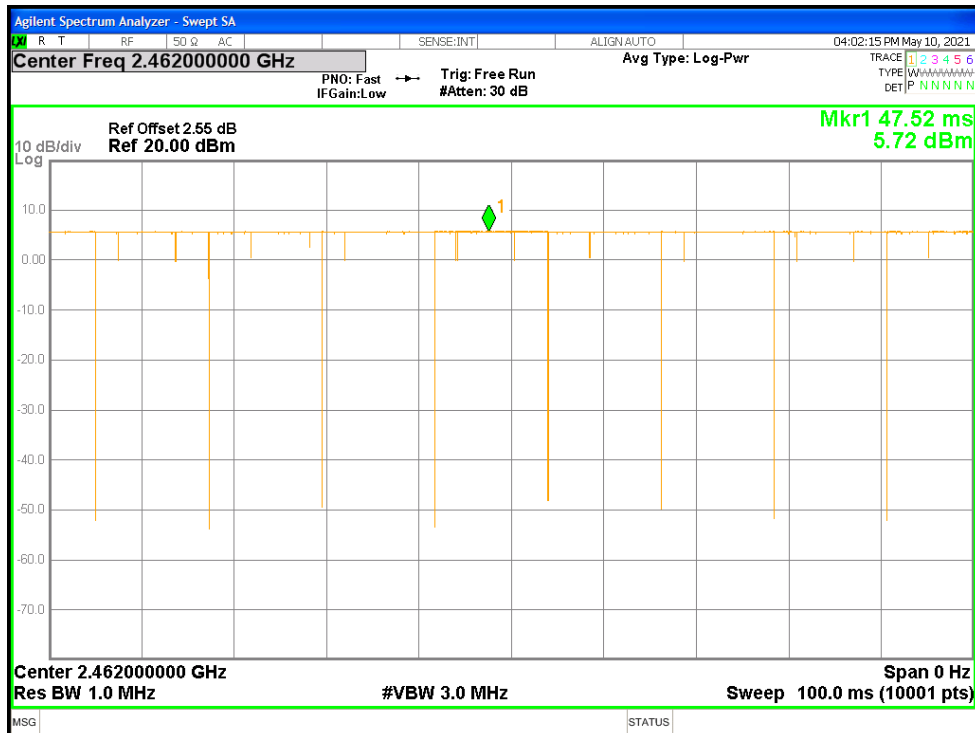
Duty Cycle NVNT b 2412MHz Sum



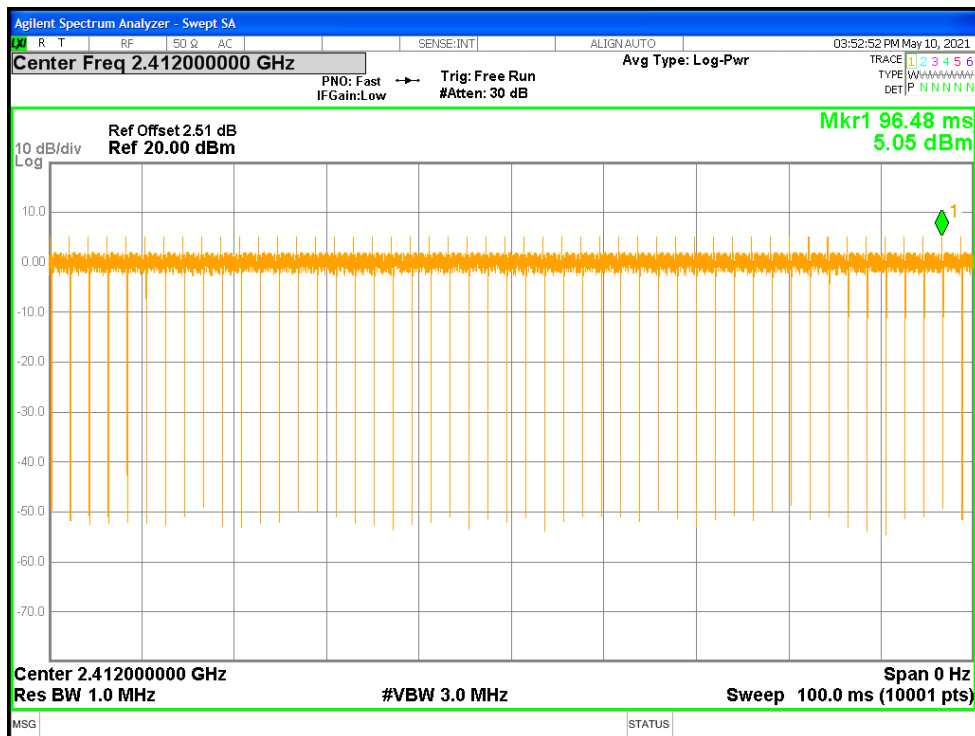
Duty Cycle NVNT b 2437MHz Sum



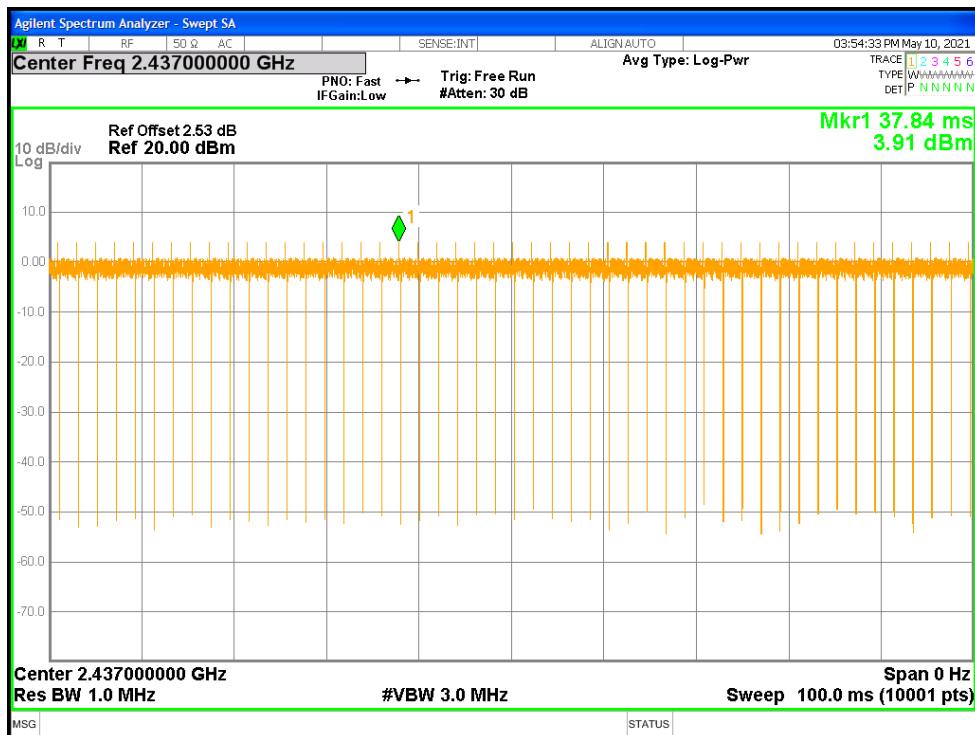
Duty Cycle NVNT b 2462MHz Sum



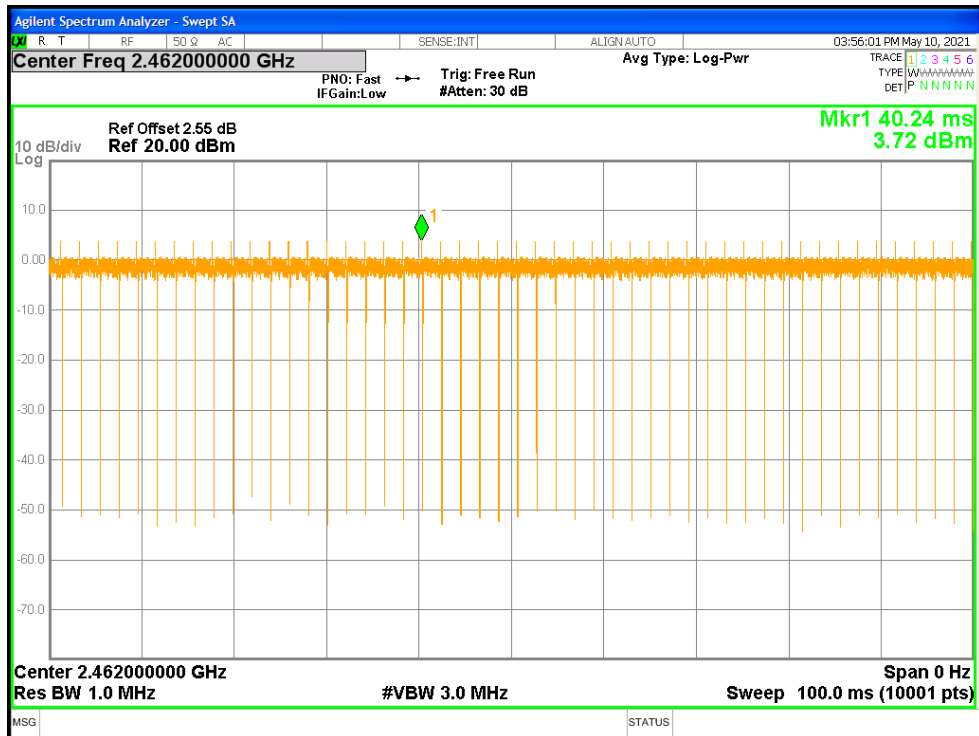
Duty Cycle NVNT g 2412MHz Sum



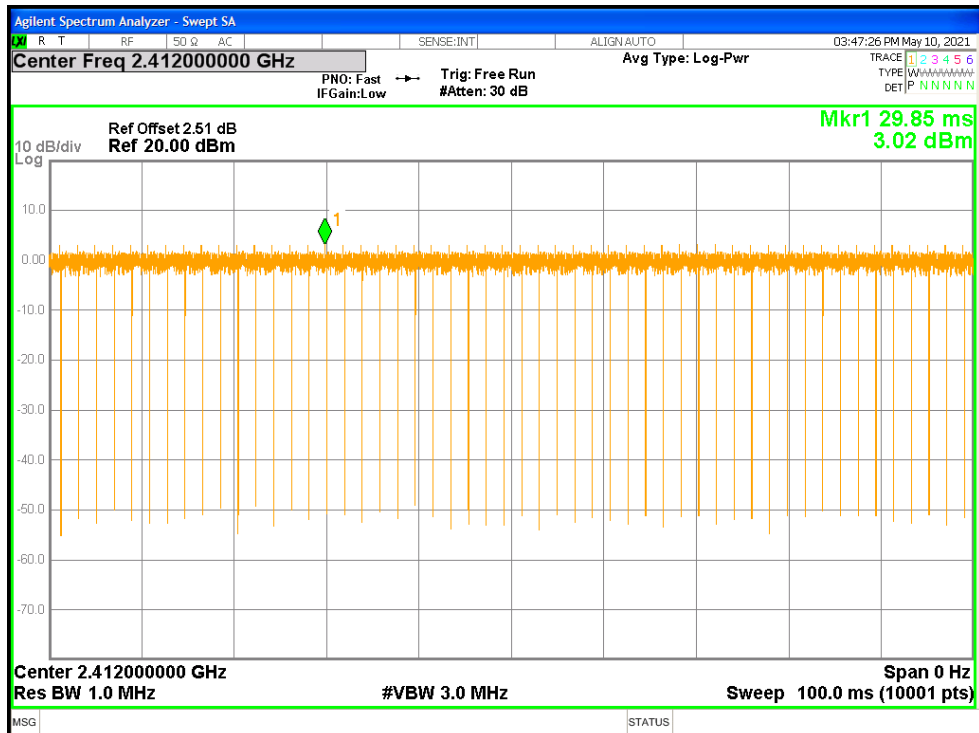
Duty Cycle NVNT g 2437MHz Sum



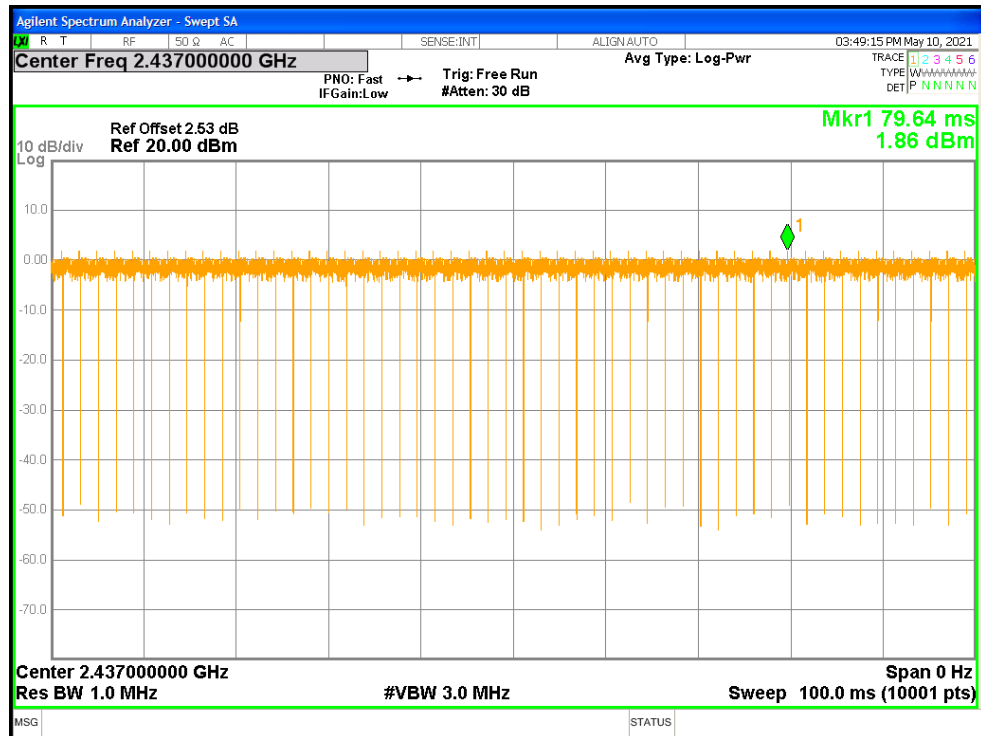
Duty Cycle NVNT g 2462MHz Sum



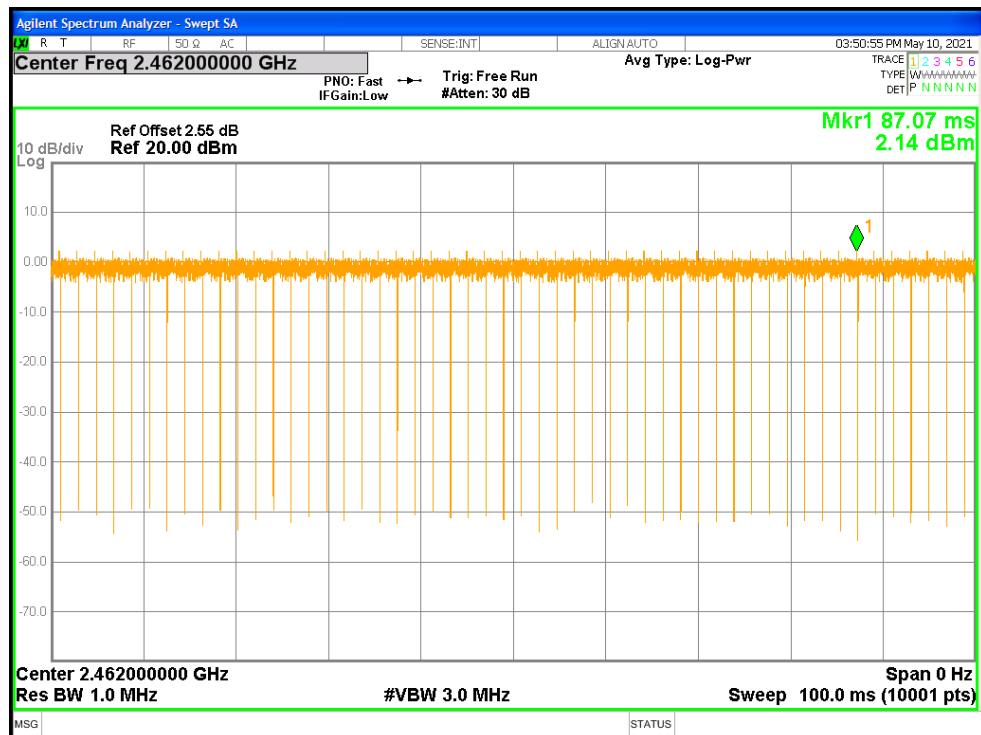
Duty Cycle NVNT n20 2412MHz Sum



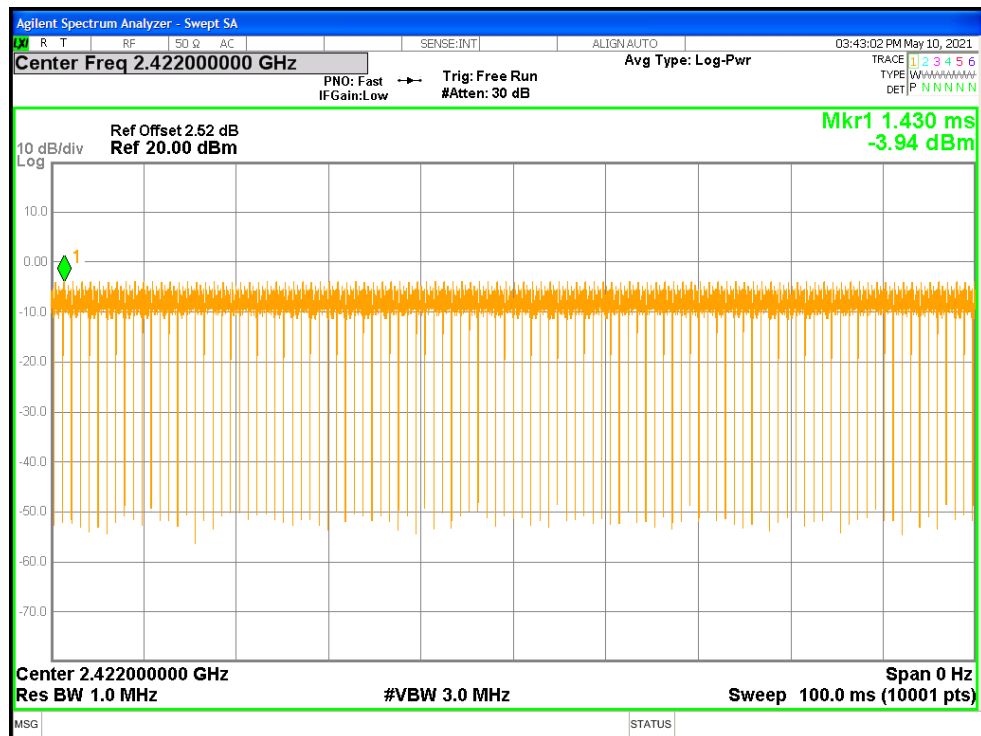
Duty Cycle NVNT n20 2437MHz Sum



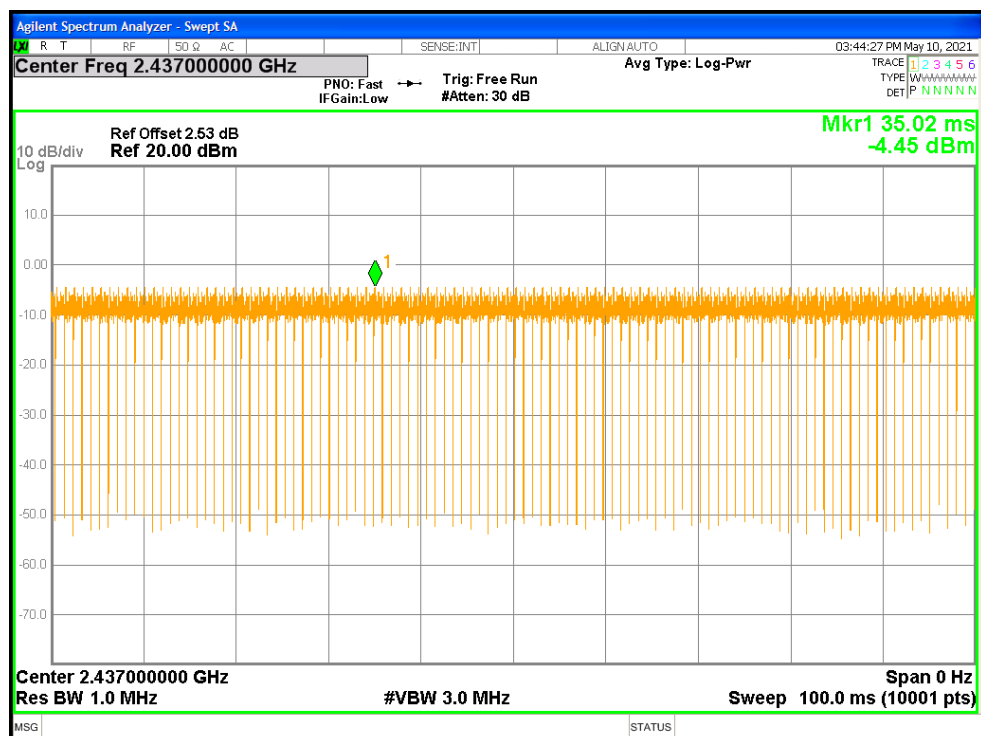
Duty Cycle NVNT n20 2462MHz Sum



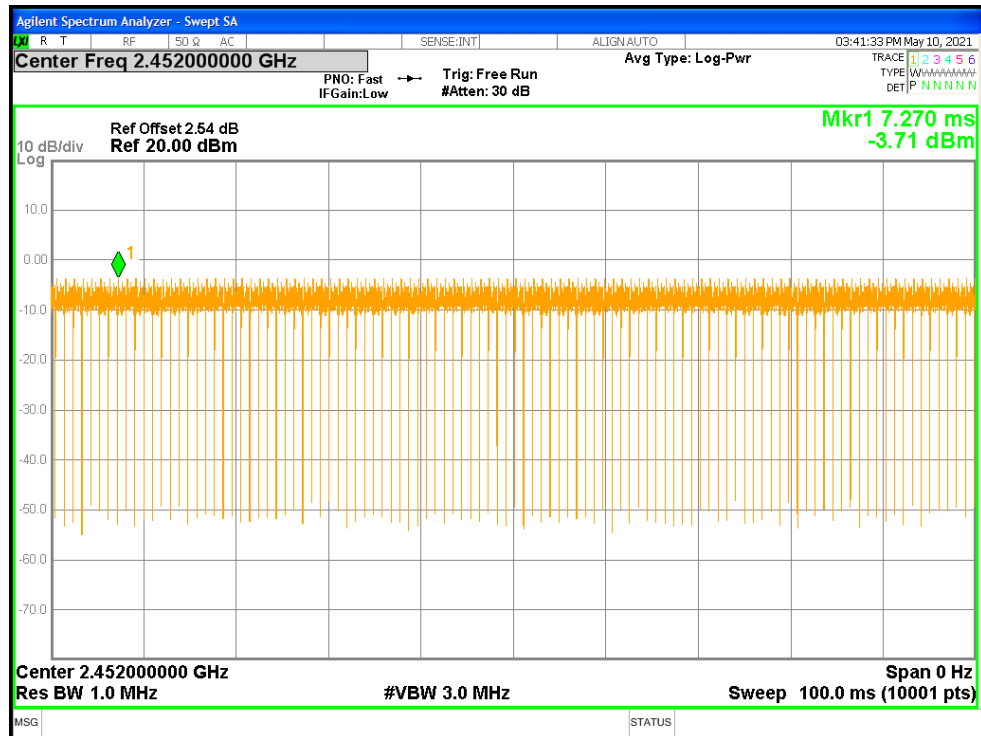
Duty Cycle NVNT n40 2422MHz Sum



Duty Cycle NVNT n40 2437MHz Sum



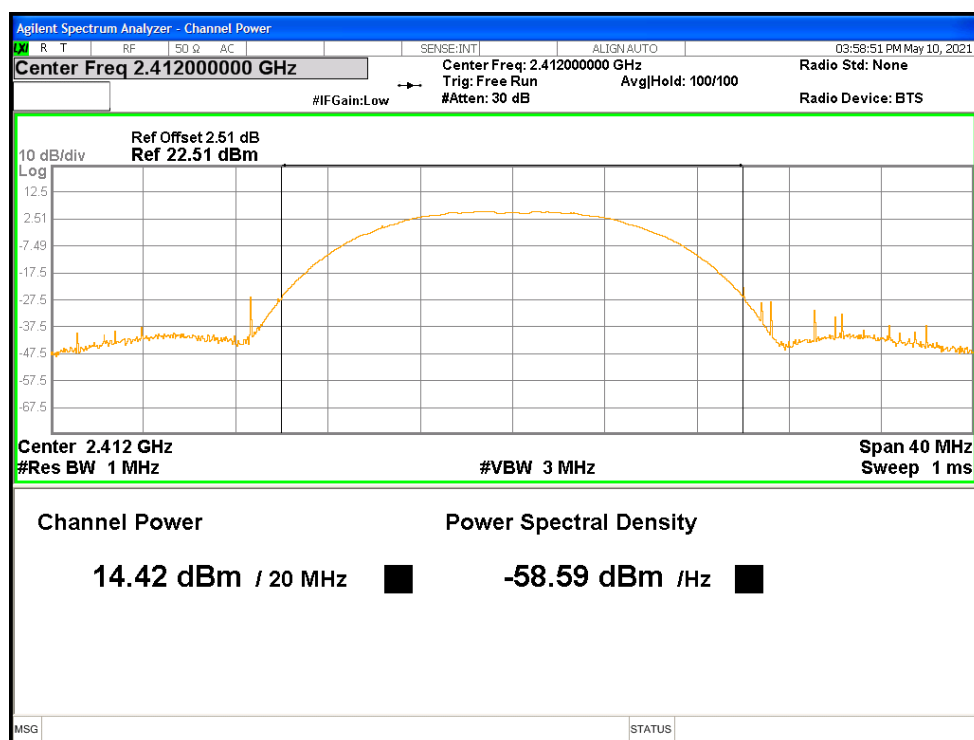
Duty Cycle NVNT n40 2452MHz Sum



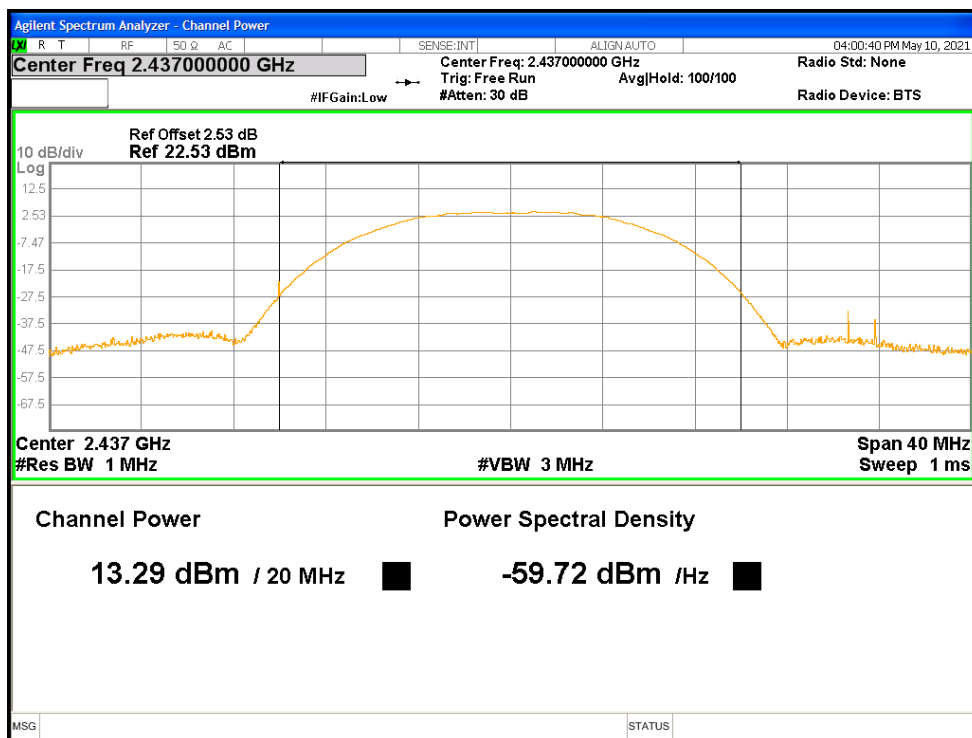
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.424	0	14.424	30	Pass
NVNT	b	2437	Ant1	13.291	0.01	13.301	30	Pass
NVNT	b	2462	Ant1	13.476	0	13.476	30	Pass
NVNT	g	2412	Ant1	11.431	0.03	11.461	30	Pass
NVNT	g	2437	Ant1	10.512	0.03	10.542	30	Pass
NVNT	g	2462	Ant1	10.227	0.03	10.257	30	Pass
NVNT	n20	2412	Ant1	11.439	0.03	11.469	30	Pass
NVNT	n20	2437	Ant1	10.225	0.03	10.255	30	Pass
NVNT	n20	2462	Ant1	10.546	0.03	10.576	30	Pass
NVNT	n40	2422	Ant1	10.555	0.07	10.625	30	Pass
NVNT	n40	2437	Ant1	9.961	0.07	10.031	30	Pass
NVNT	n40	2452	Ant1	10.59	0.07	10.66	30	Pass

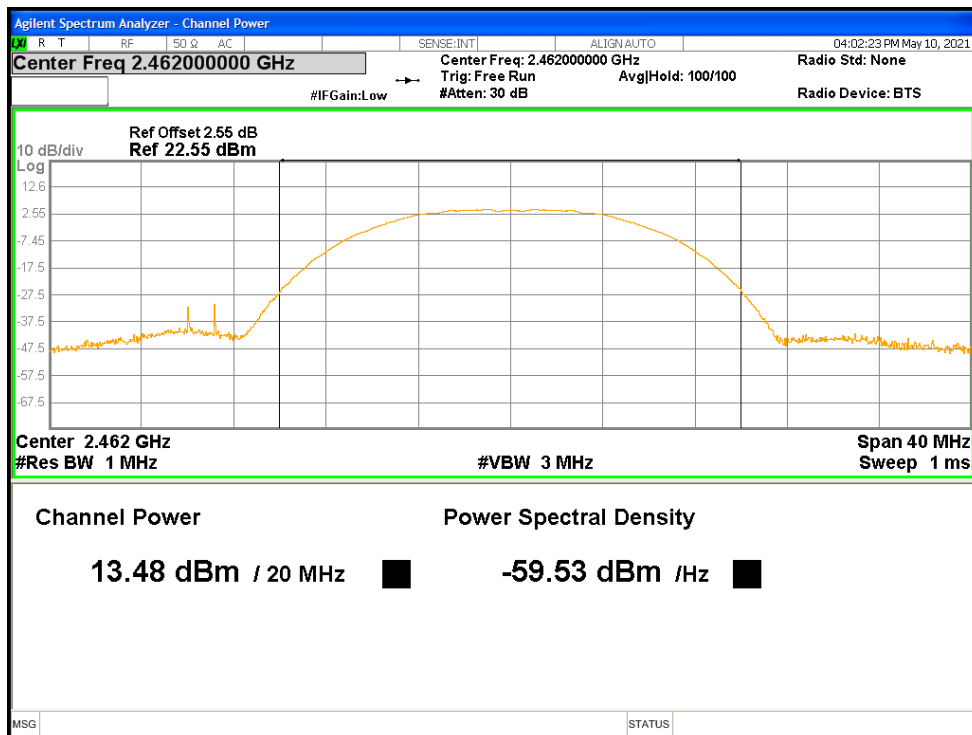
Power NVNT b 2412MHz Ant1



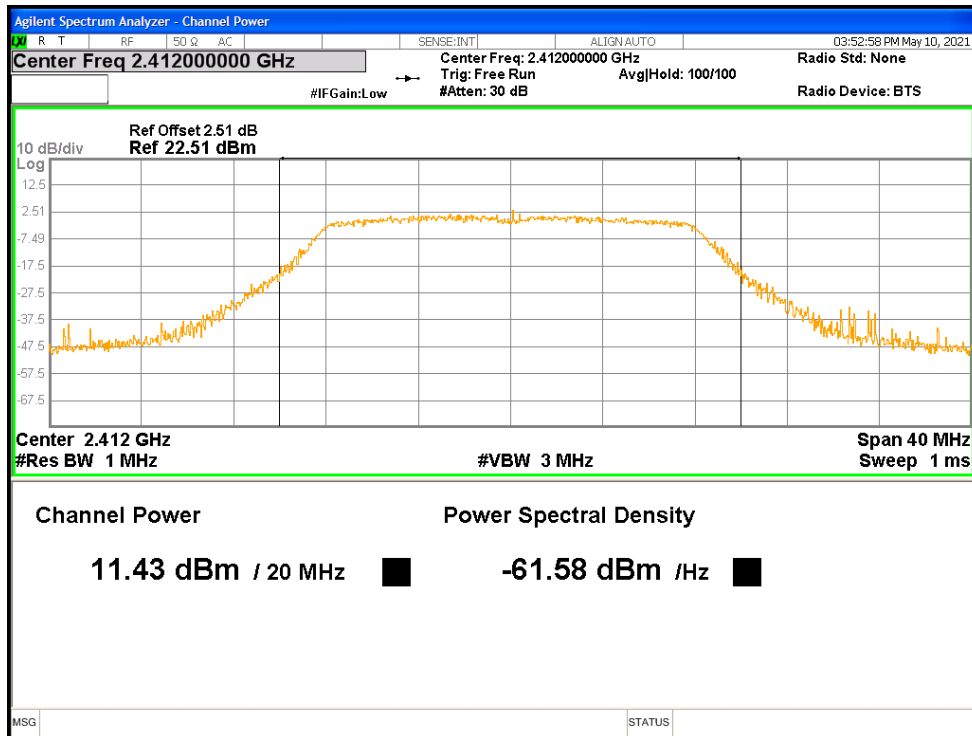
Power NVNT b 2437MHz Ant1



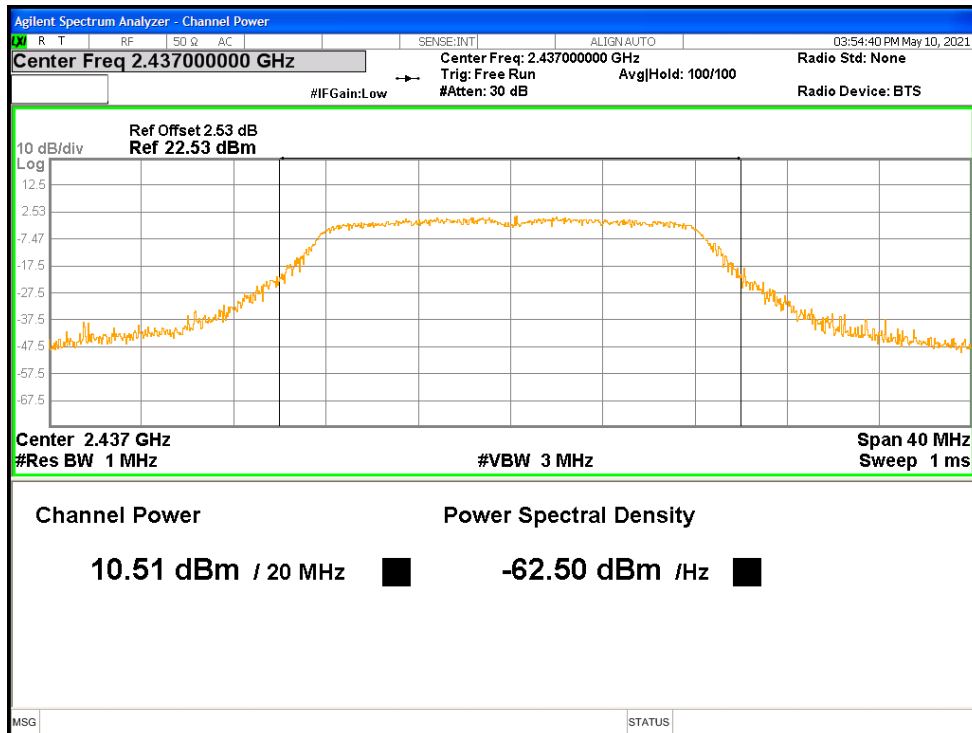
Power NVNT b 2462MHz Ant1



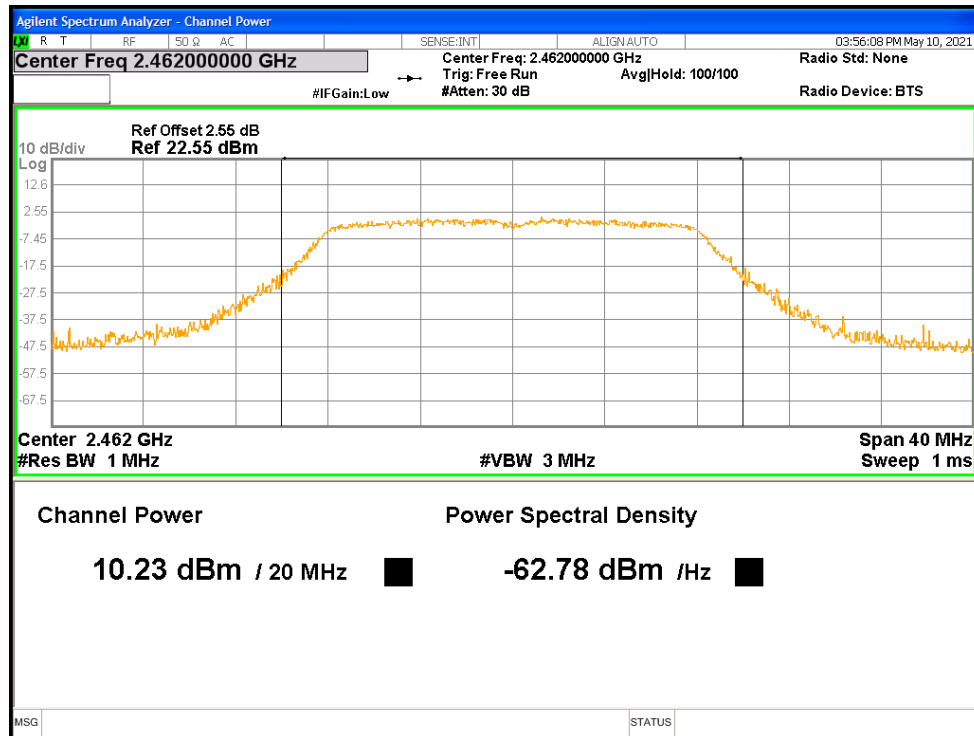
Power NVNT g 2412MHz Ant1



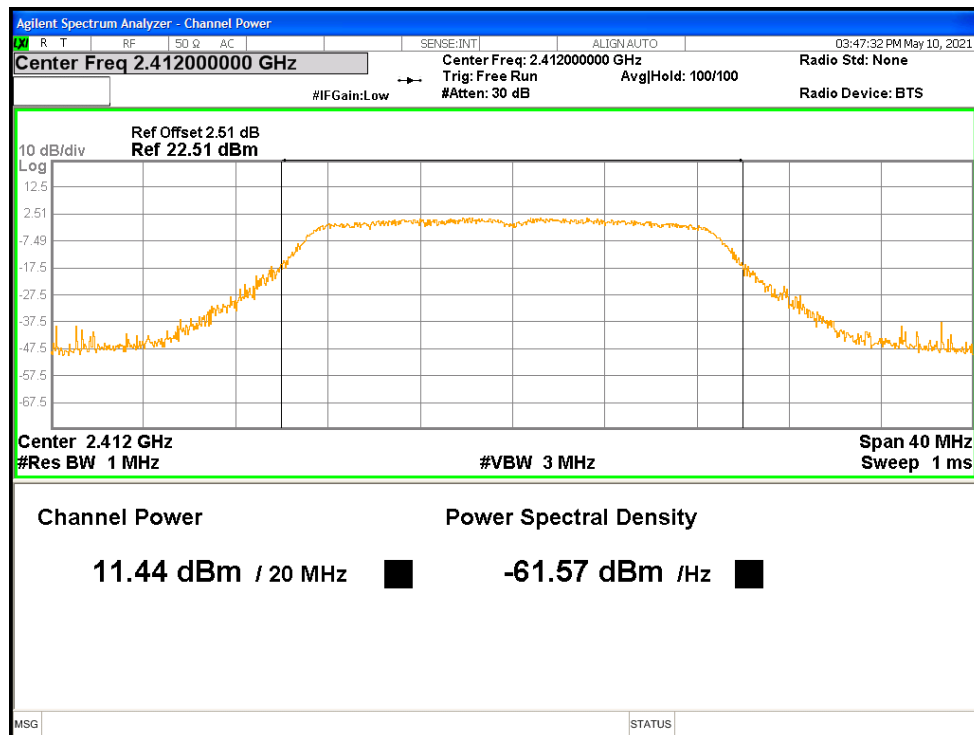
Power NVNT g 2437MHz Ant1



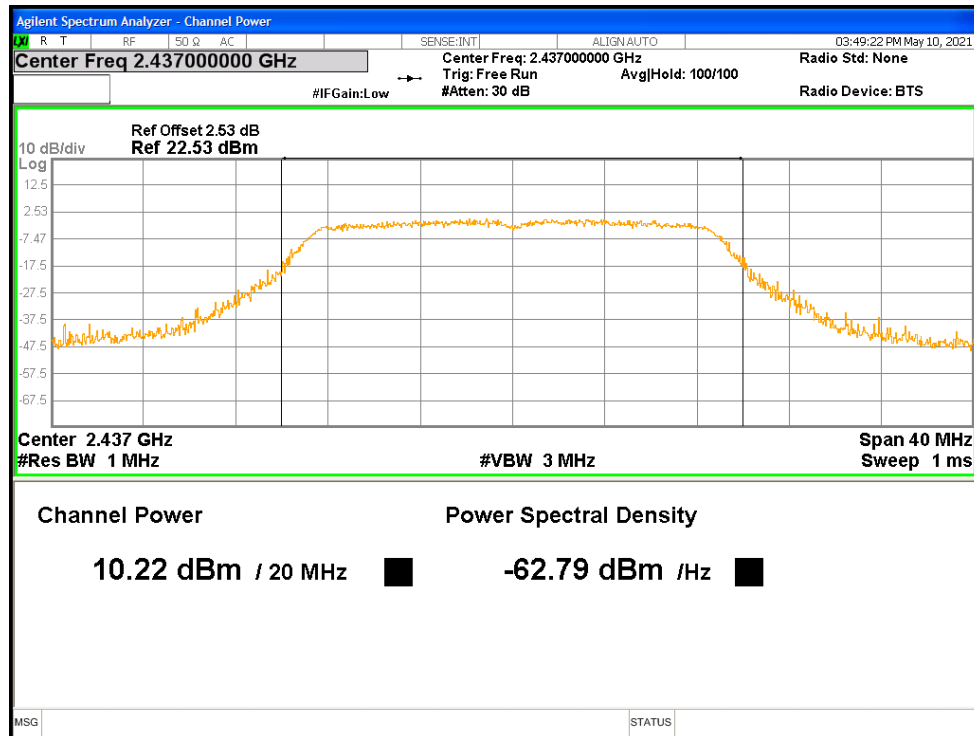
Power NVNT g 2462MHz Ant1



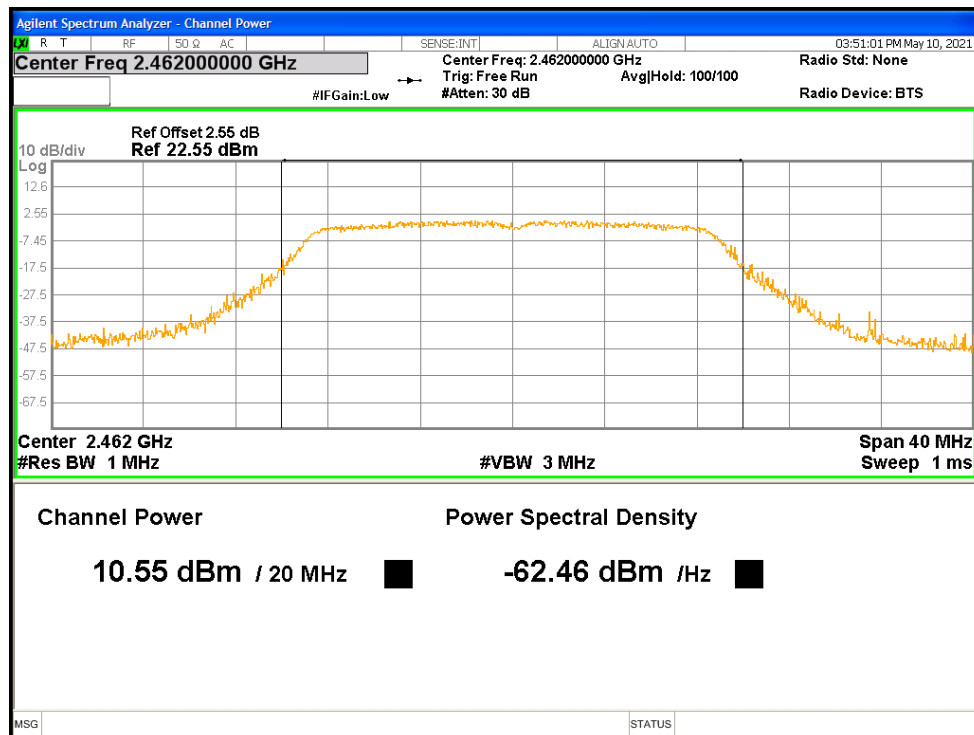
Power NVNT n20 2412MHz Ant1



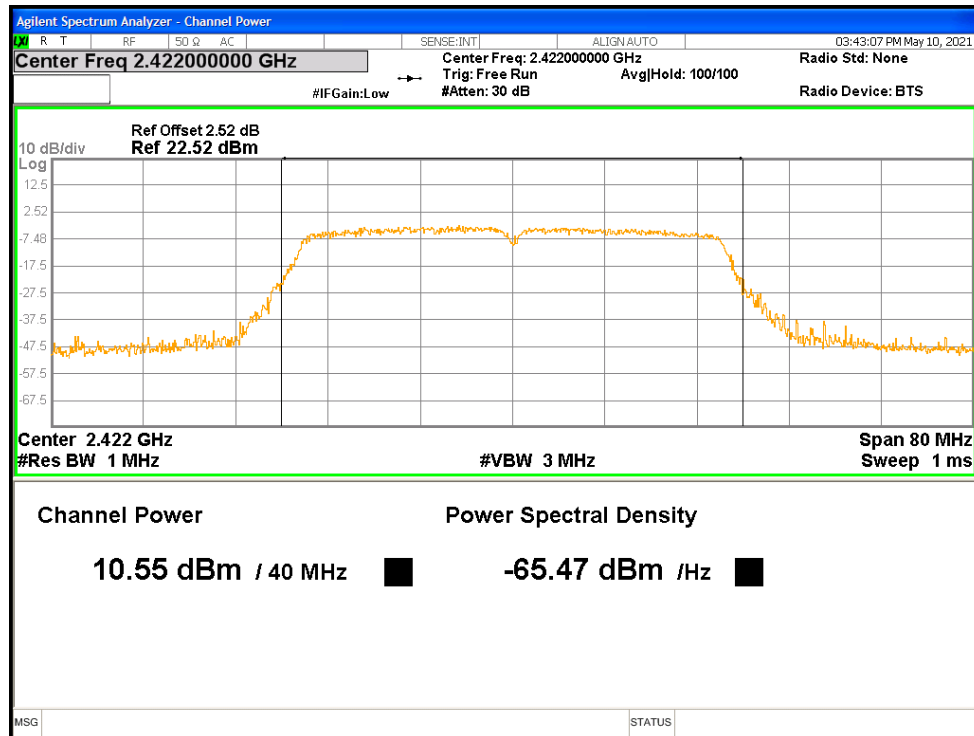
Power NVNT n20 2437MHz Ant1



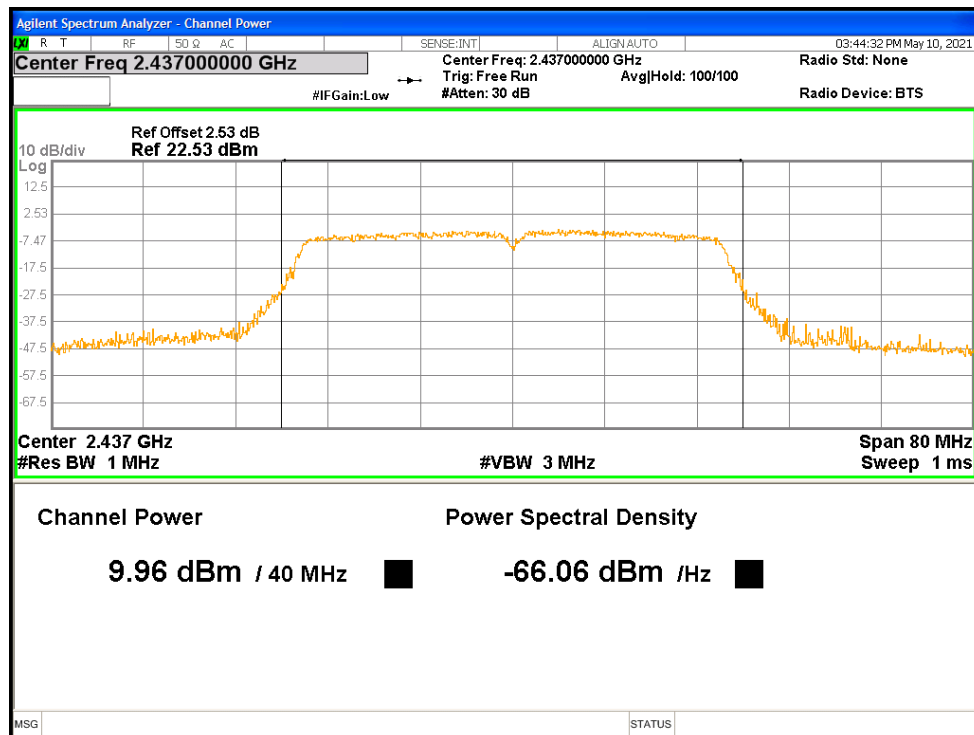
Power NVNT n20 2462MHz Ant1



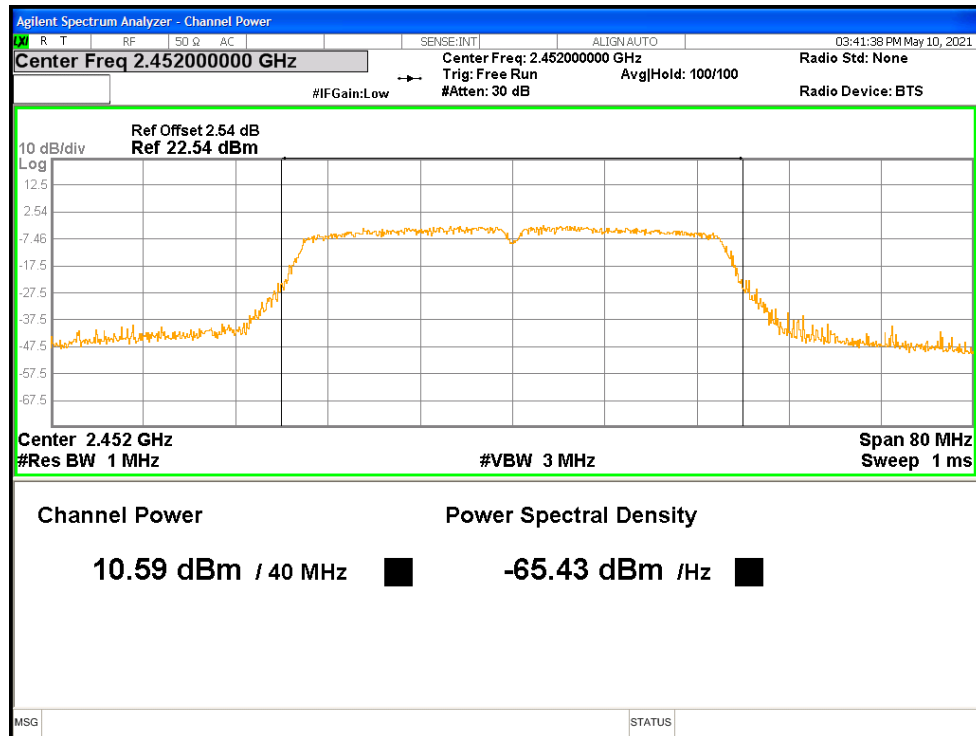
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



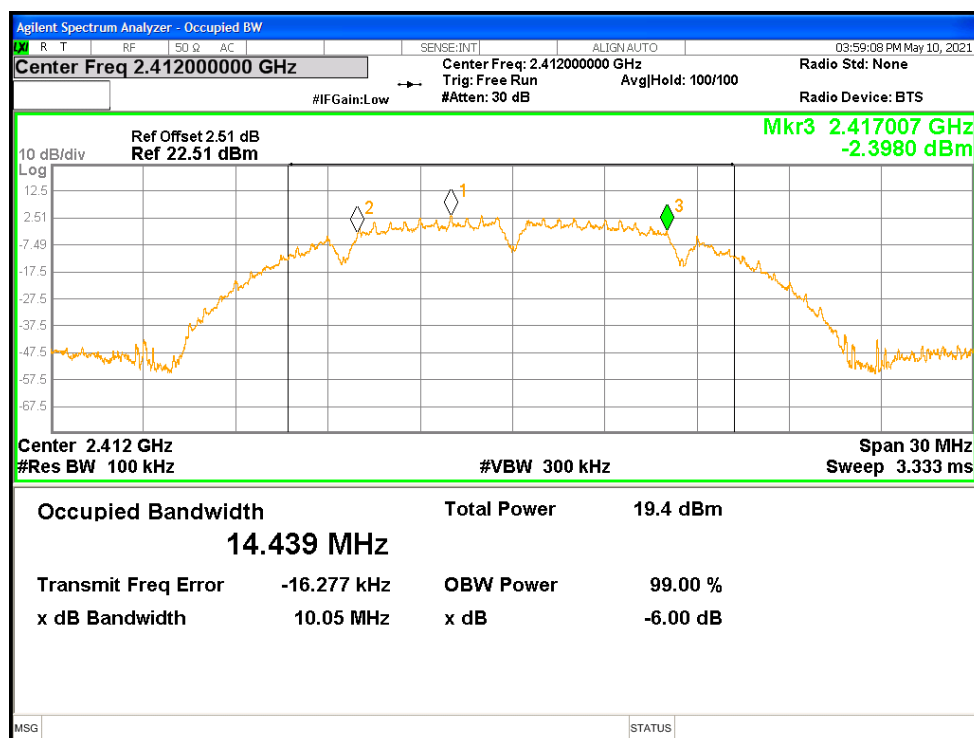
Power NVNT n40 2452MHz Ant1



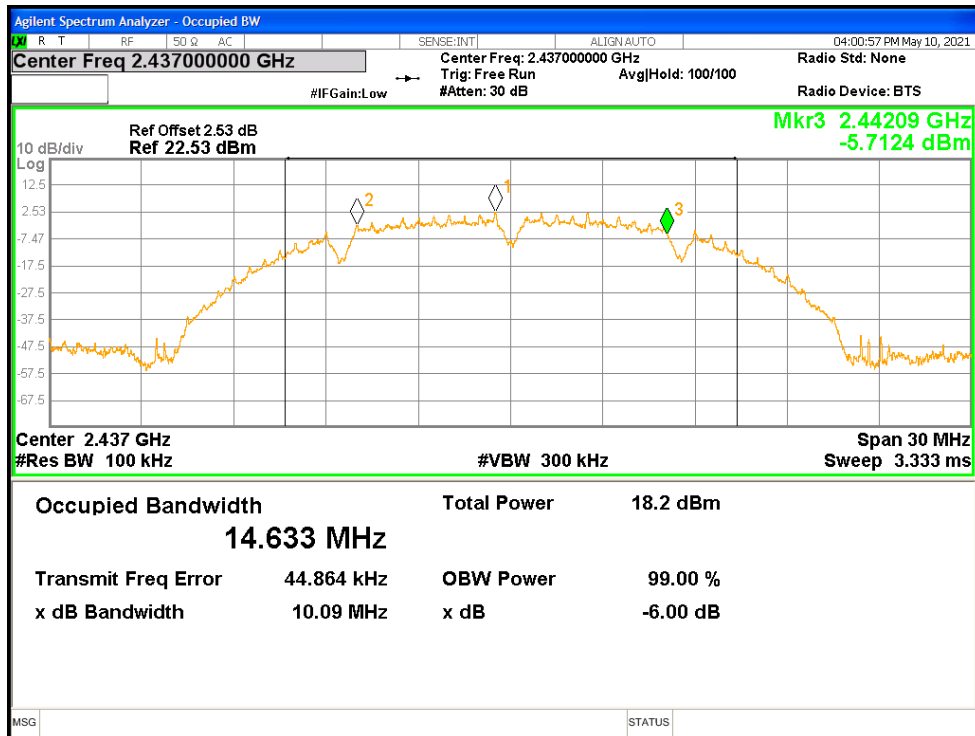
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.046	0.5	Pass
NVNT	b	2437	Ant1	10.091	0.5	Pass
NVNT	b	2462	Ant1	10.073	0.5	Pass
NVNT	g	2412	Ant1	15.057	0.5	Pass
NVNT	g	2437	Ant1	16.293	0.5	Pass
NVNT	g	2462	Ant1	16.278	0.5	Pass
NVNT	n20	2412	Ant1	16.288	0.5	Pass
NVNT	n20	2437	Ant1	16.271	0.5	Pass
NVNT	n20	2462	Ant1	16.906	0.5	Pass
NVNT	n40	2422	Ant1	35.077	0.5	Pass
NVNT	n40	2437	Ant1	35.134	0.5	Pass
NVNT	n40	2452	Ant1	33.787	0.5	Pass

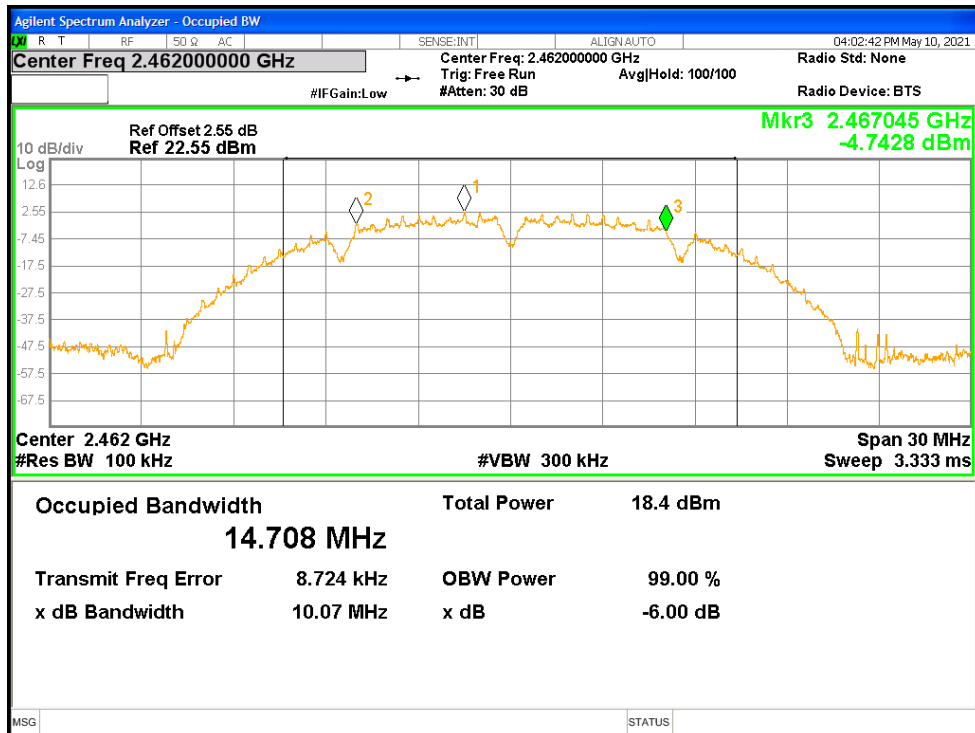
-6dB Bandwidth NVNT b 2412MHz Ant1



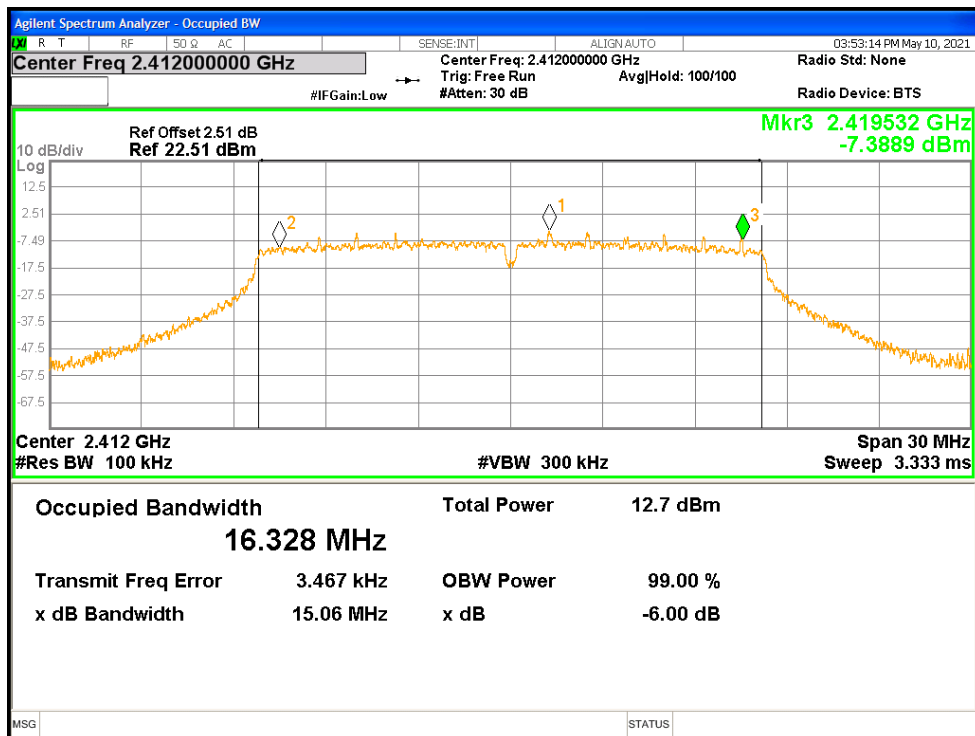
-6dB Bandwidth NVNT b 2437MHz Ant1



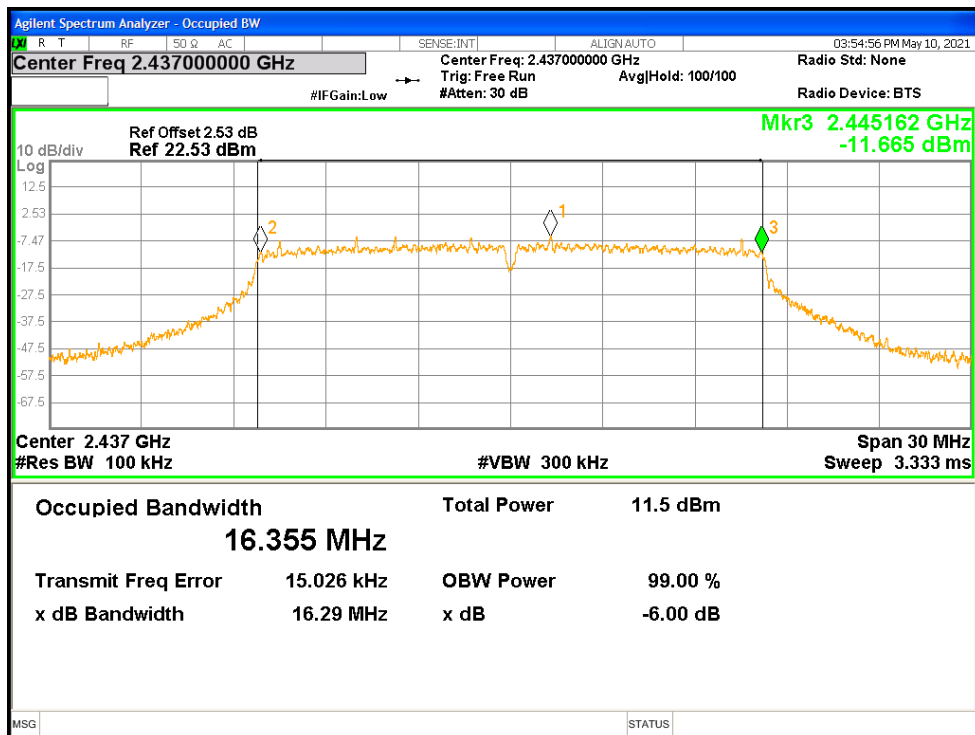
-6dB Bandwidth NVNT b 2462MHz Ant1



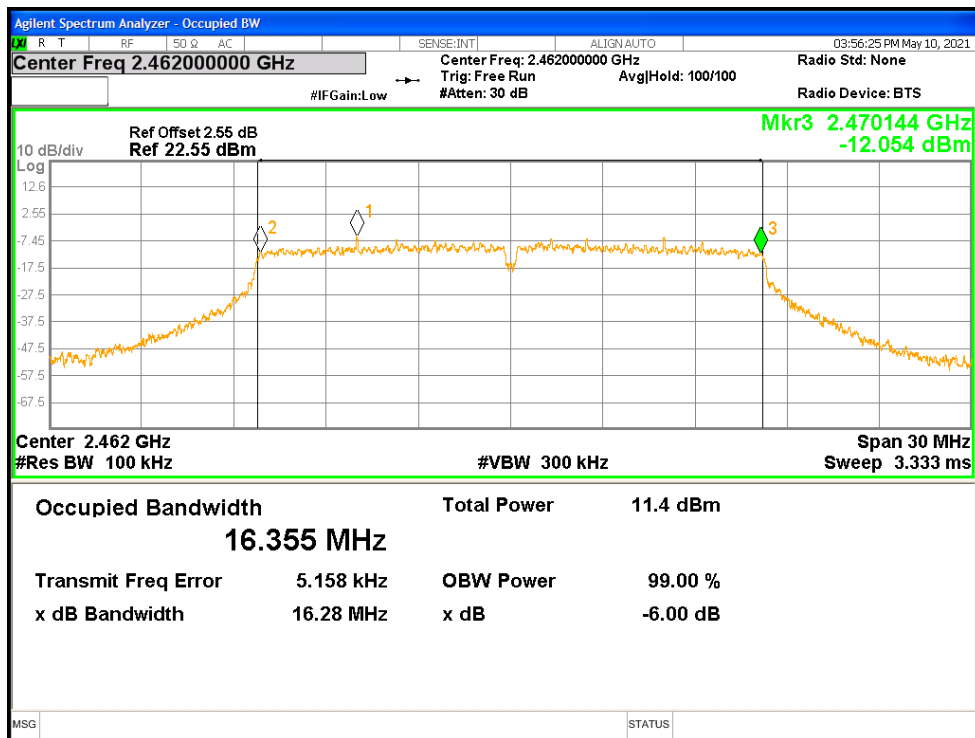
-6dB Bandwidth NVNT g 2412MHz Ant1



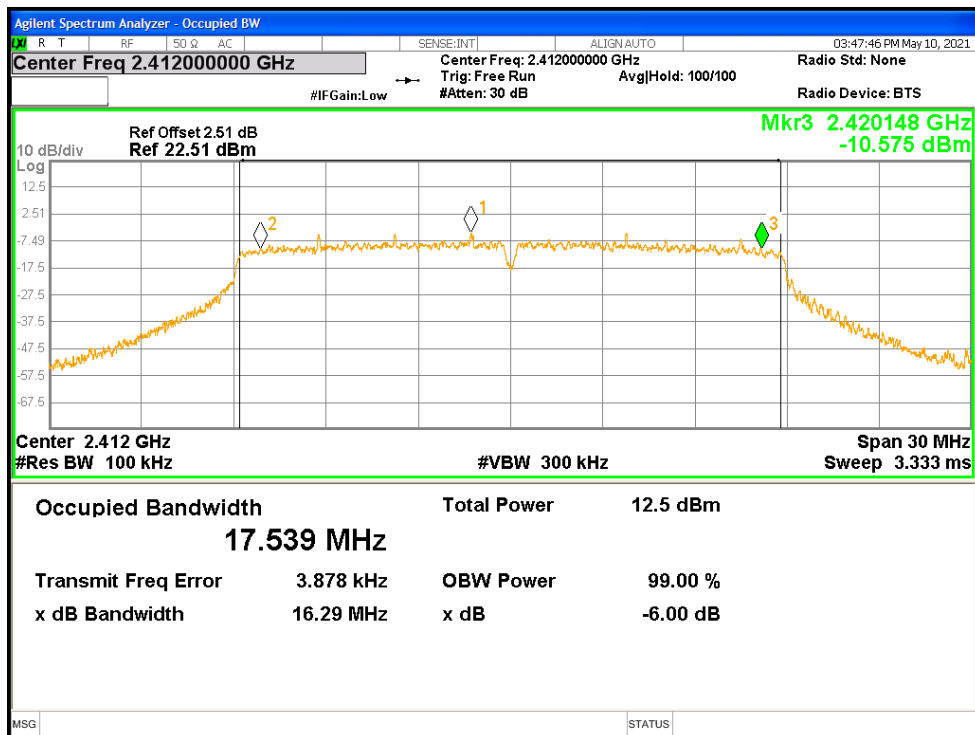
-6dB Bandwidth NVNT g 2437MHz Ant1



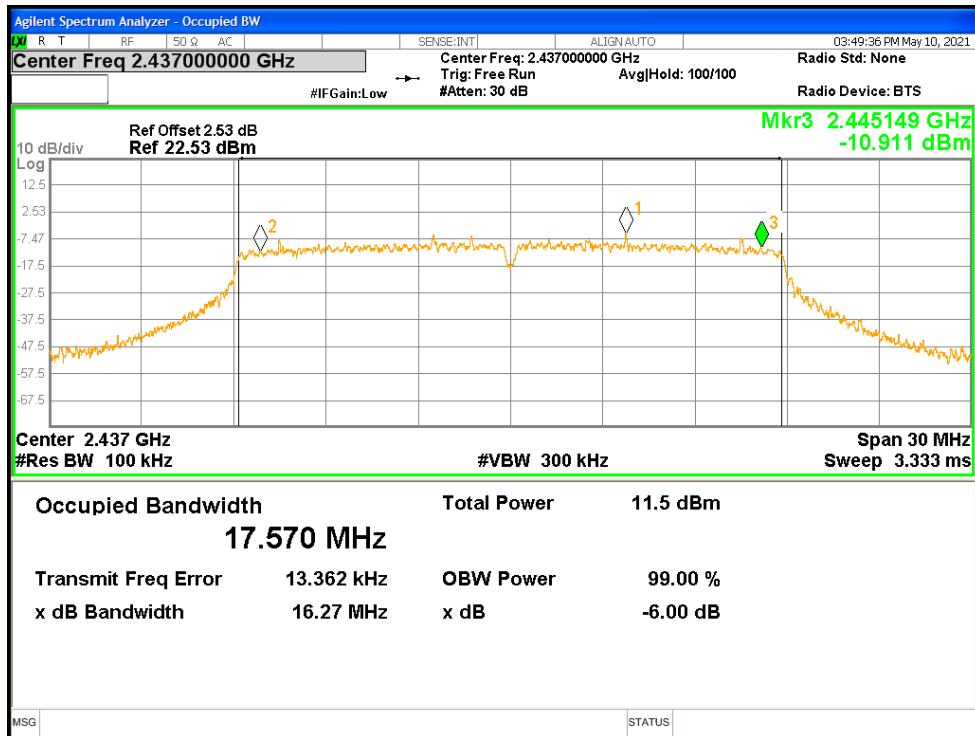
-6dB Bandwidth NVNT g 2462MHz Ant1



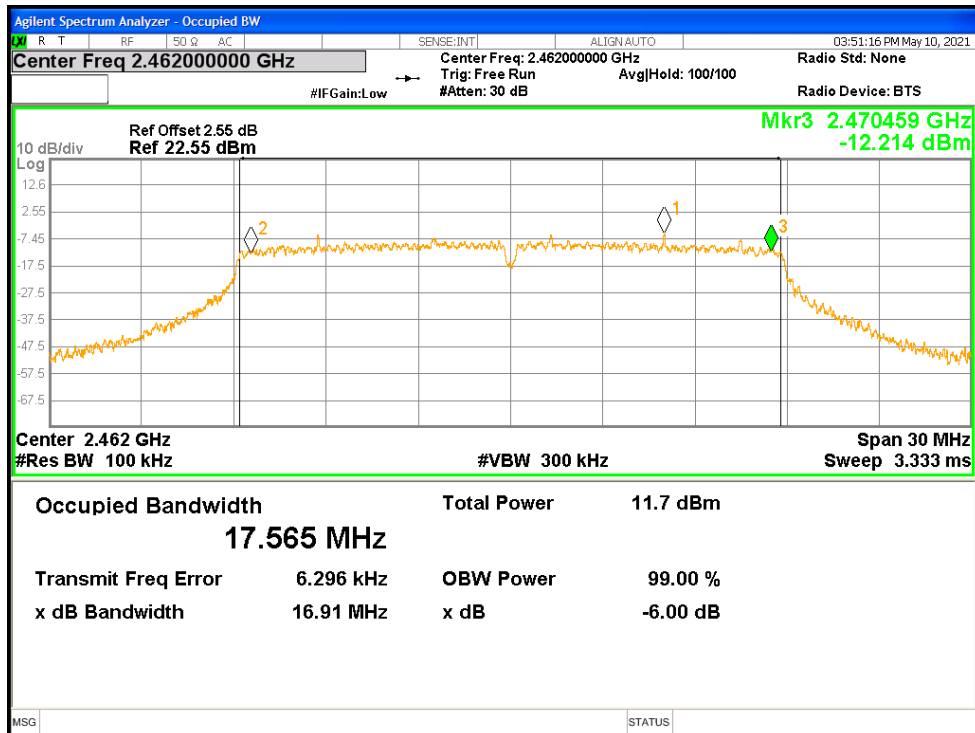
-6dB Bandwidth NVNT n20 2412MHz Ant1



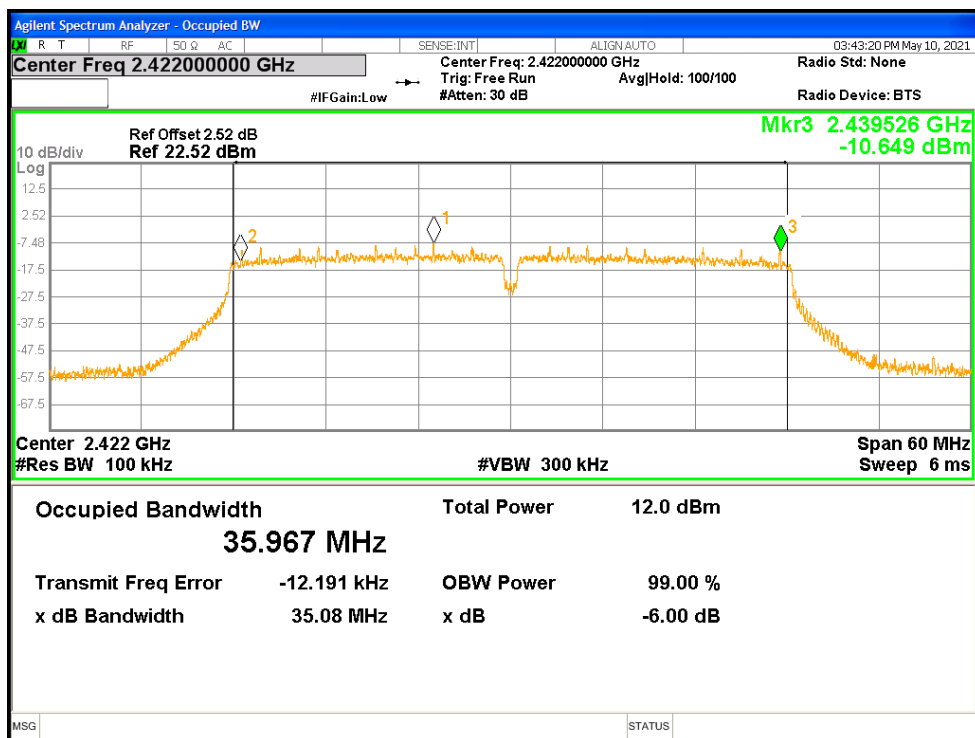
-6dB Bandwidth NVNT n20 2437MHz Ant1



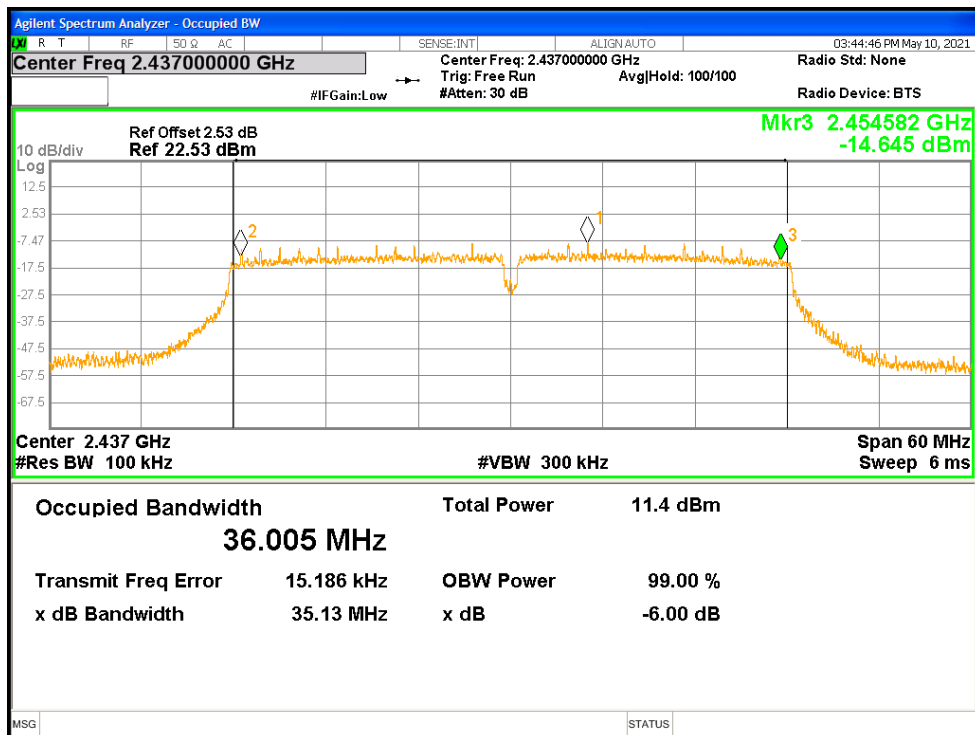
-6dB Bandwidth NVNT n20 2462MHz Ant1



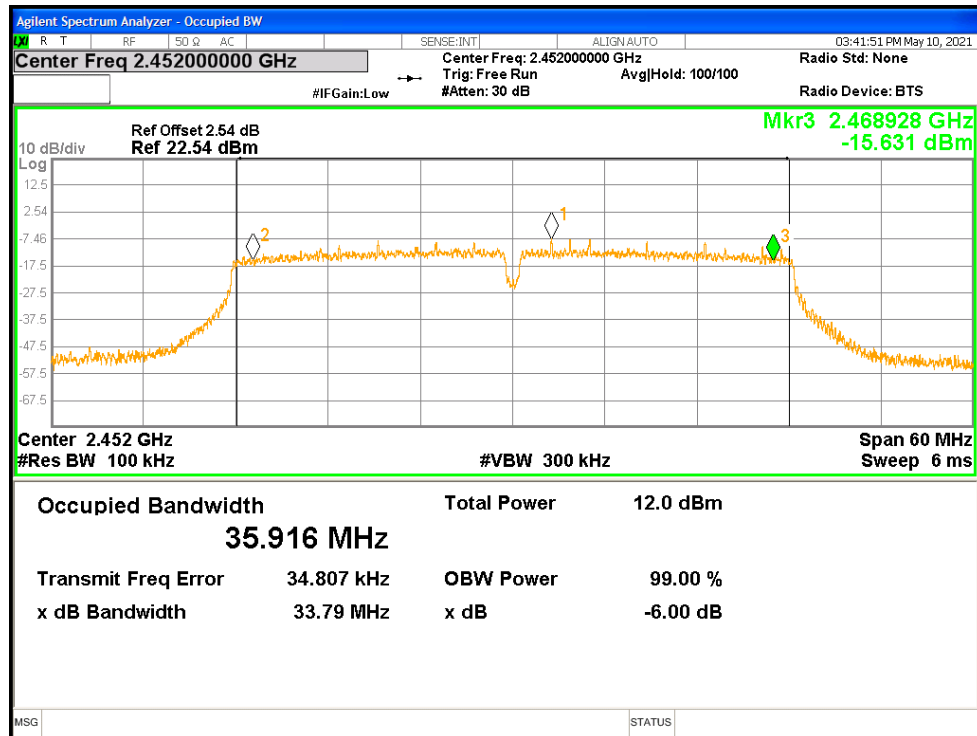
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



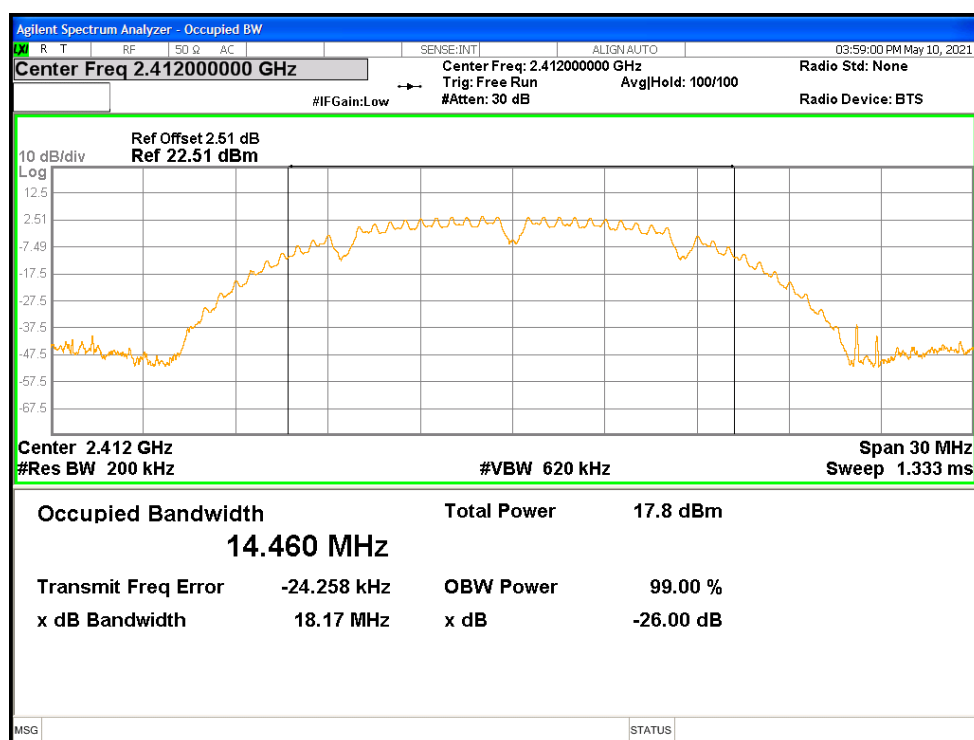
-6dB Bandwidth NVNT n40 2452MHz Ant1



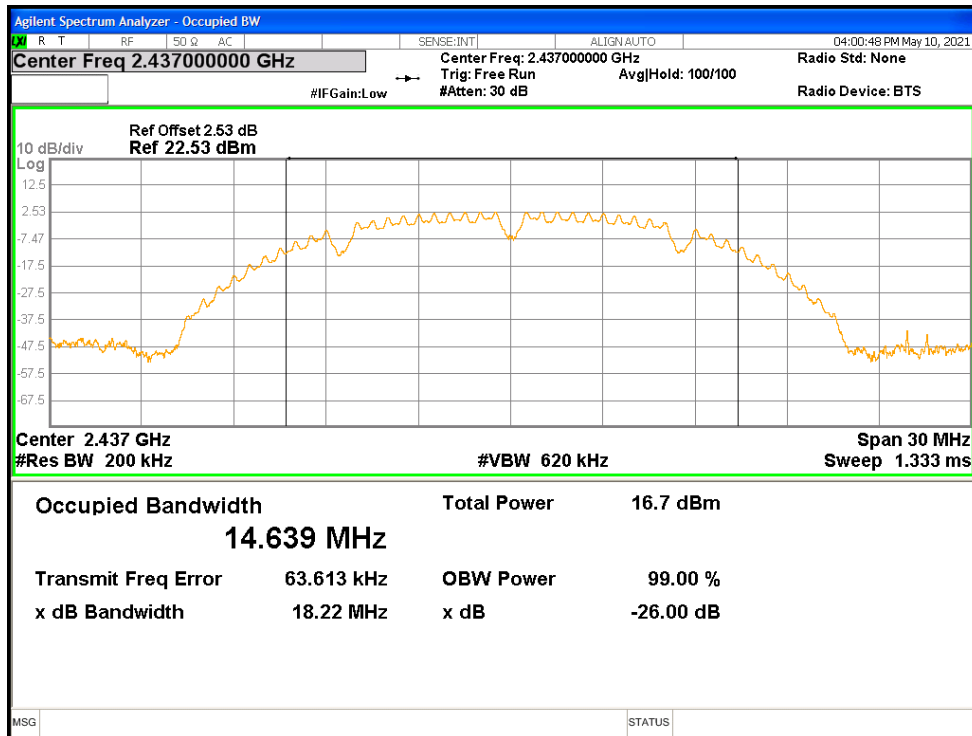
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.46038423
NVNT	b	2437	Ant1	14.63863776
NVNT	b	2462	Ant1	14.63946239
NVNT	g	2412	Ant1	16.38384719
NVNT	g	2437	Ant1	16.39591271
NVNT	g	2462	Ant1	16.41311294
NVNT	n20	2412	Ant1	17.58249428
NVNT	n20	2437	Ant1	17.58471732
NVNT	n20	2462	Ant1	17.61239977
NVNT	n40	2422	Ant1	36.07701143
NVNT	n40	2437	Ant1	36.17327949
NVNT	n40	2452	Ant1	36.09840391

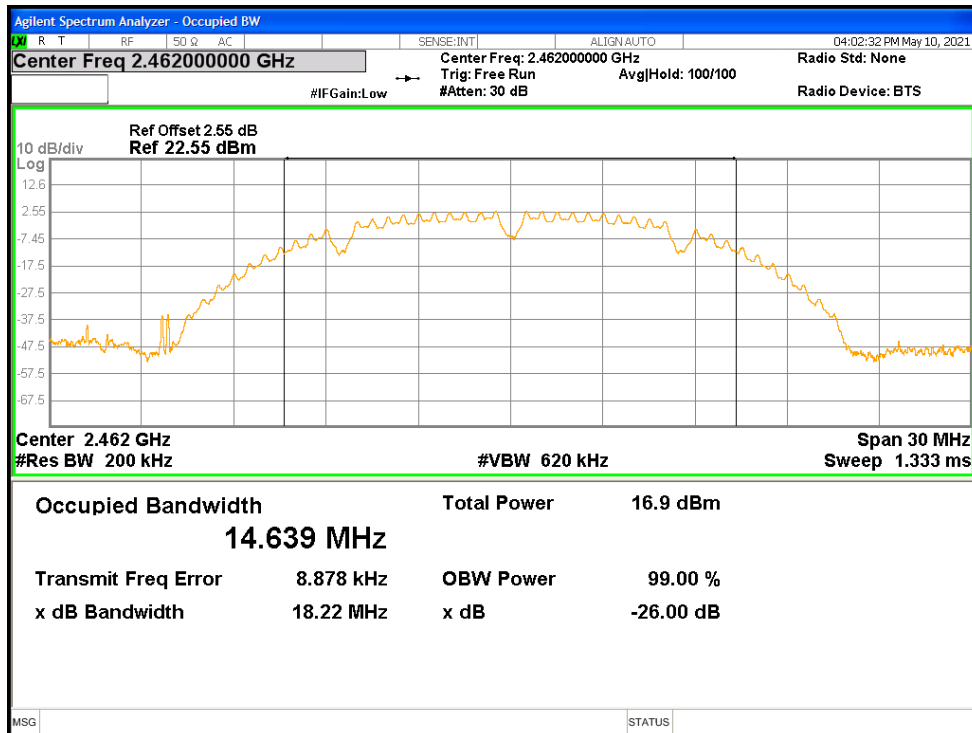
OBW NVNT b 2412MHz Ant1



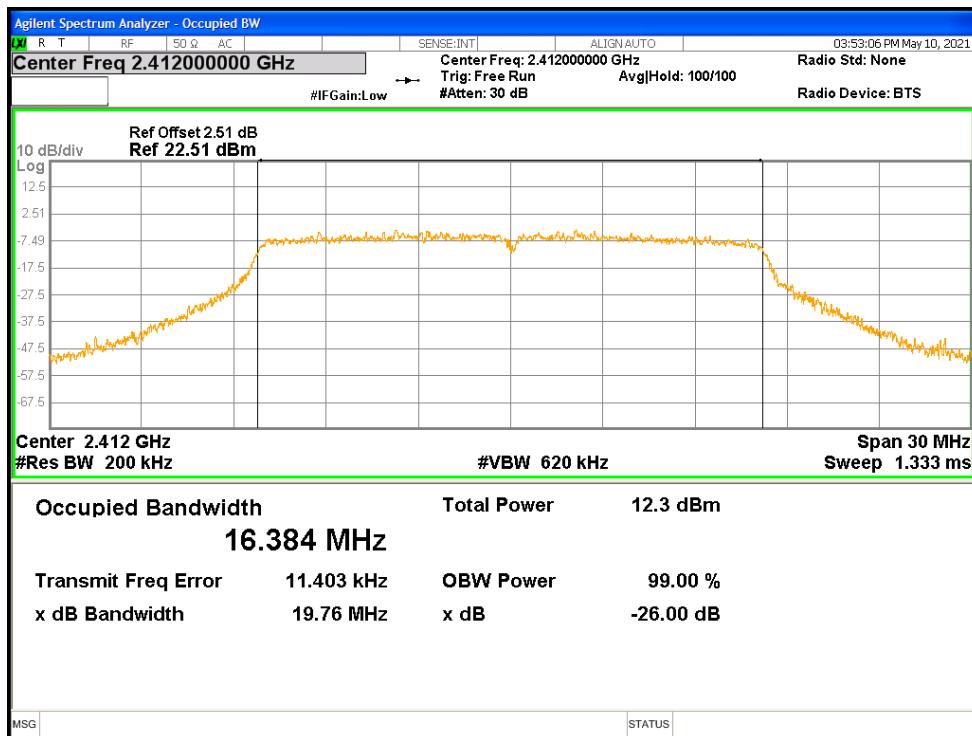
OBW NVNT b 2437MHz Ant1



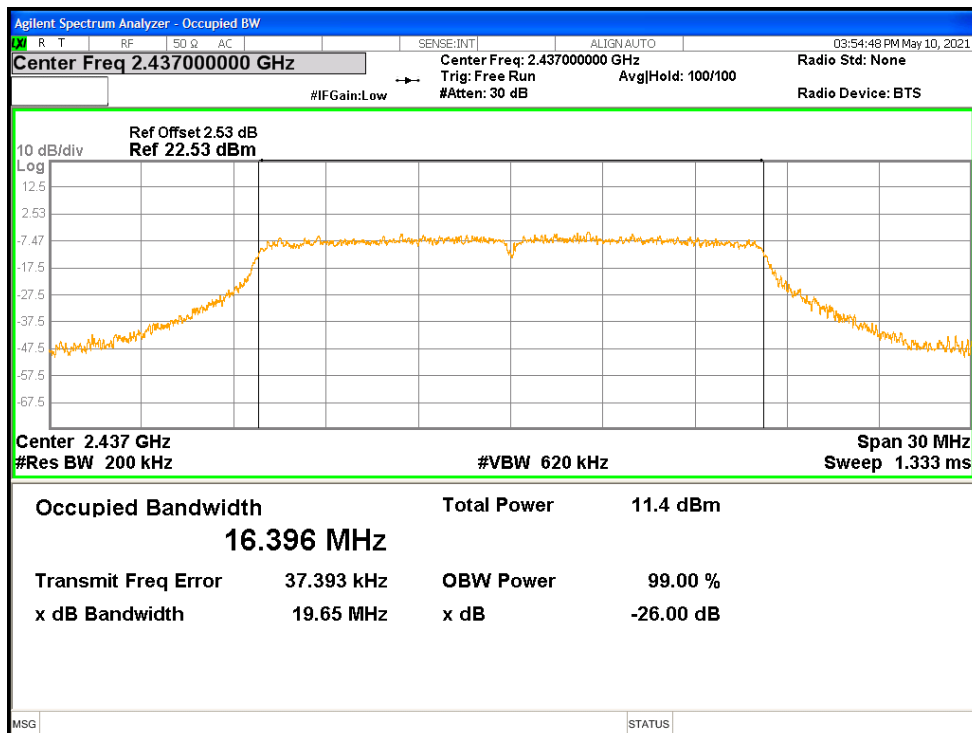
OBW NVNT b 2462MHz Ant1



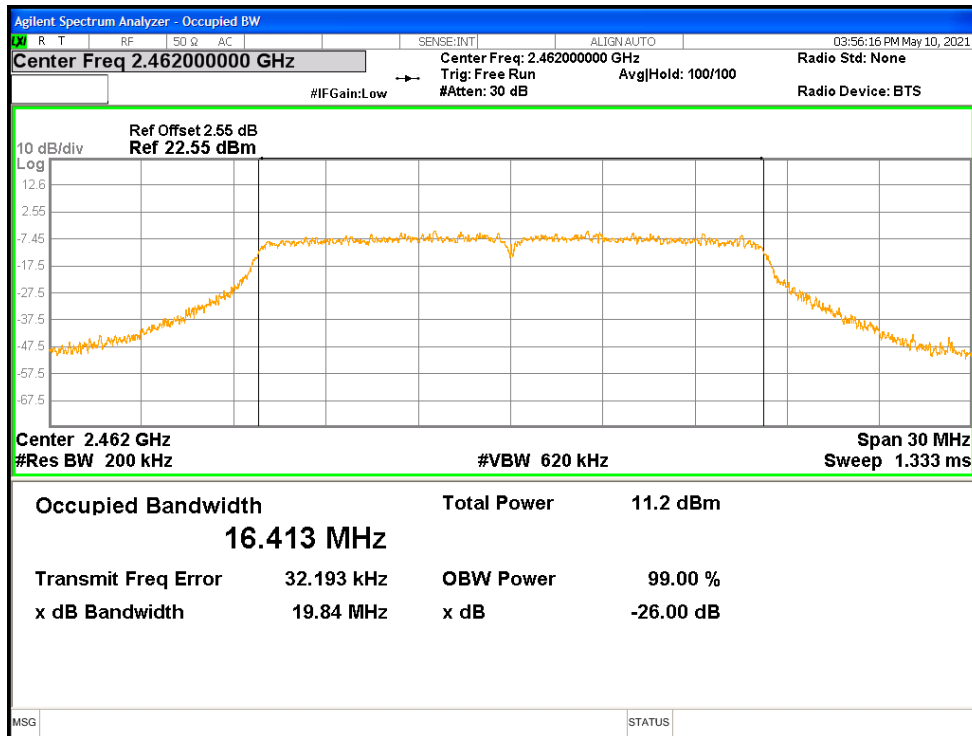
OBW NVNT g 2412MHz Ant1



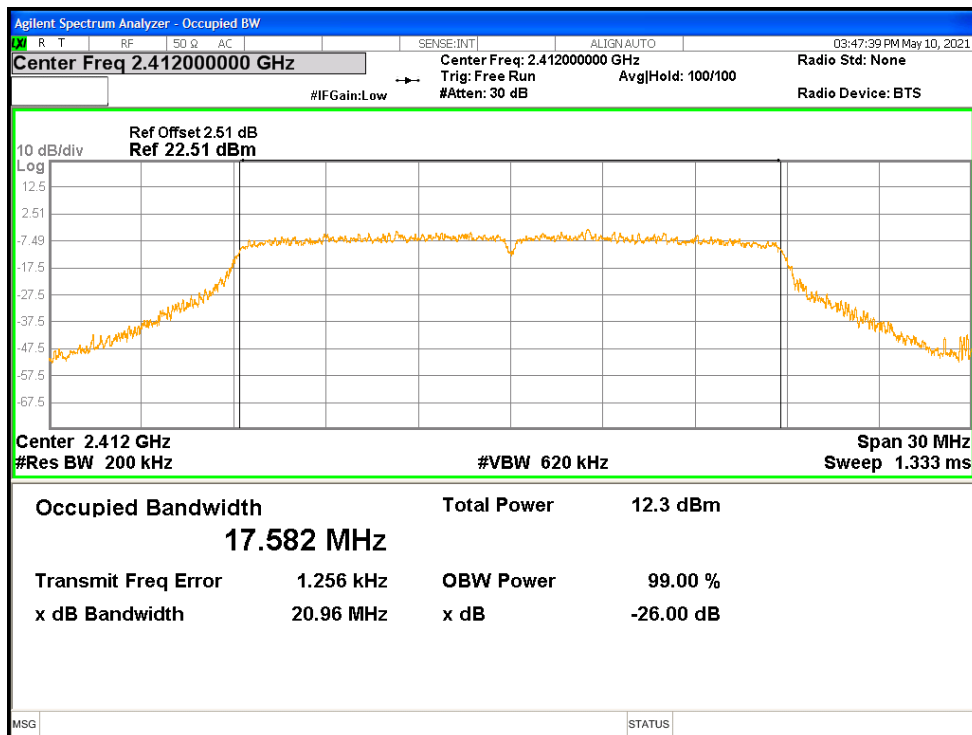
OBW NVNT g 2437MHz Ant1



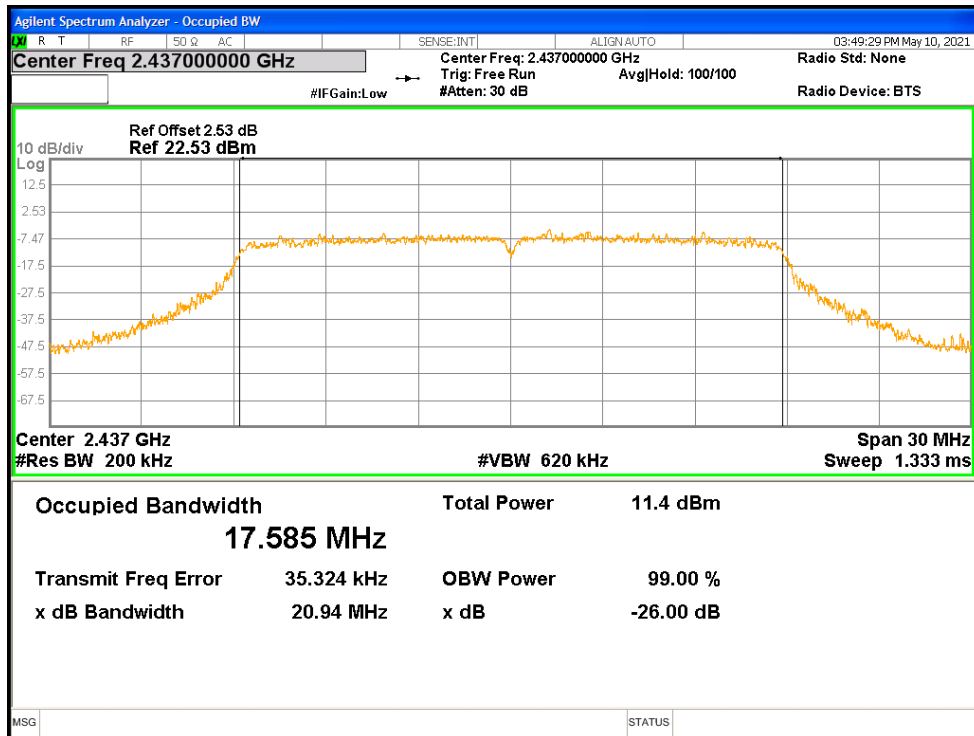
OBW NVNT g 2462MHz Ant1



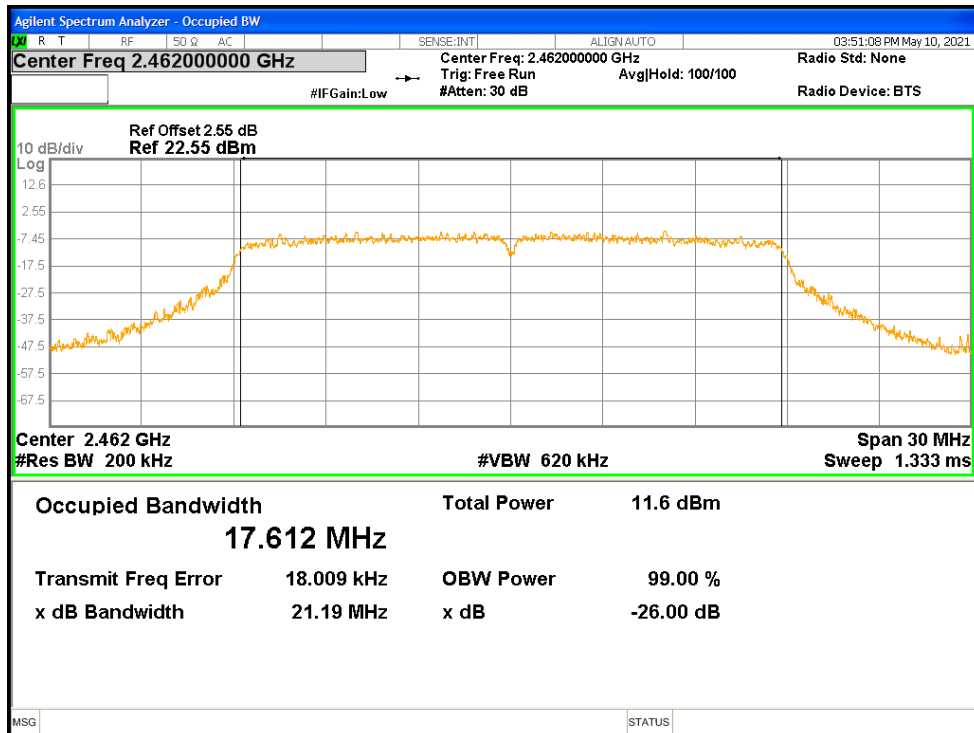
OBW NVNT n20 2412MHz Ant1



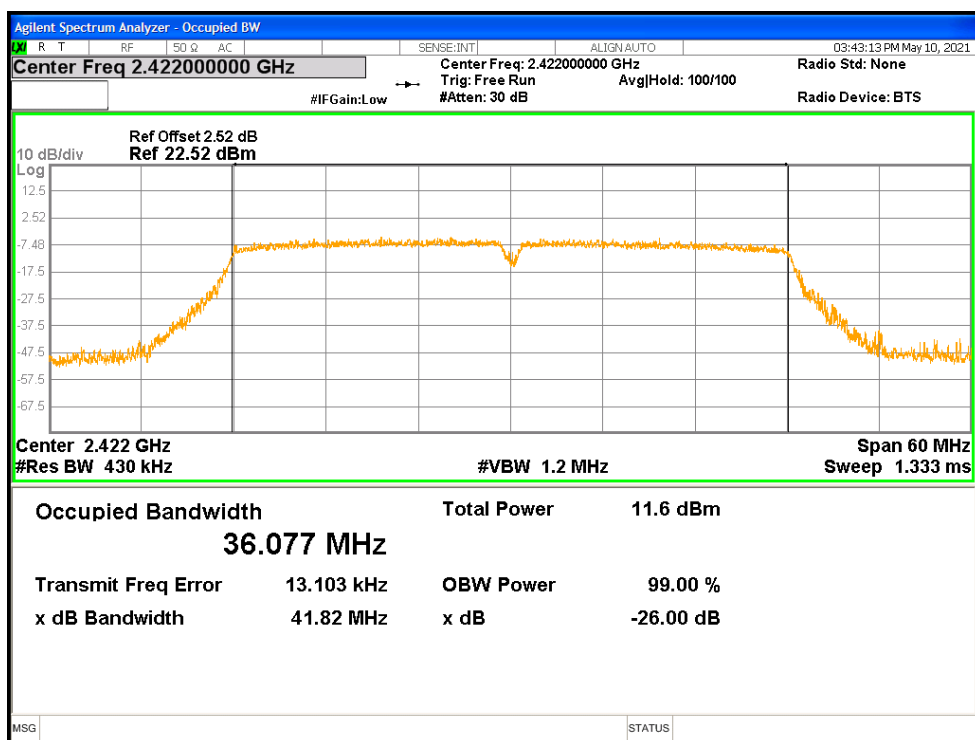
OBW NVNT n20 2437MHz Ant1



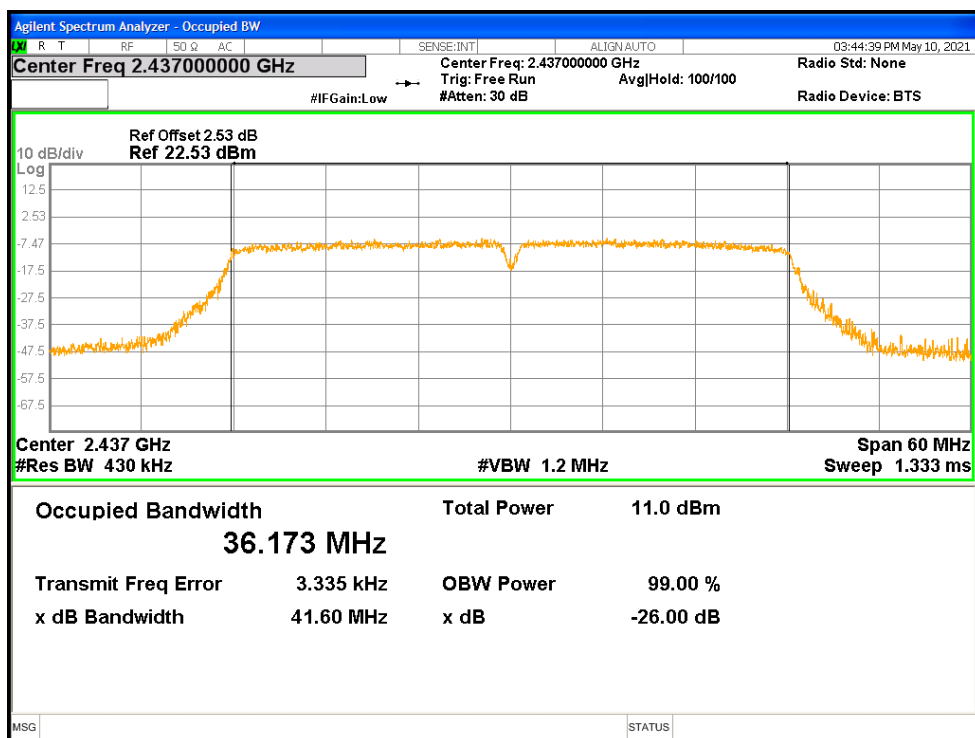
OBW NVNT n20 2462MHz Ant1



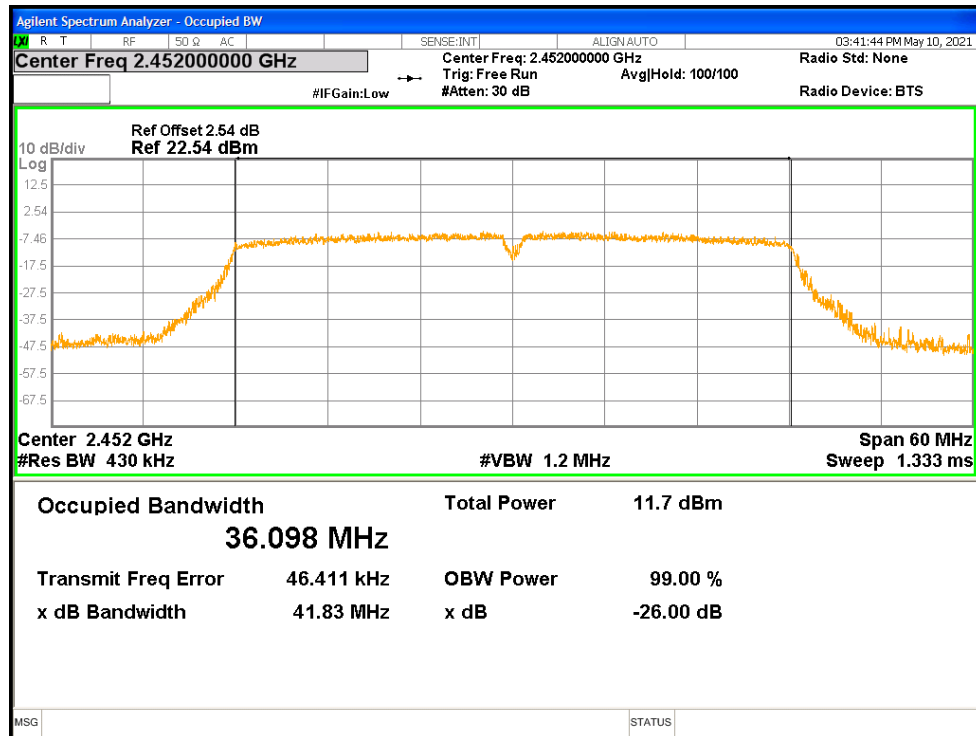
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



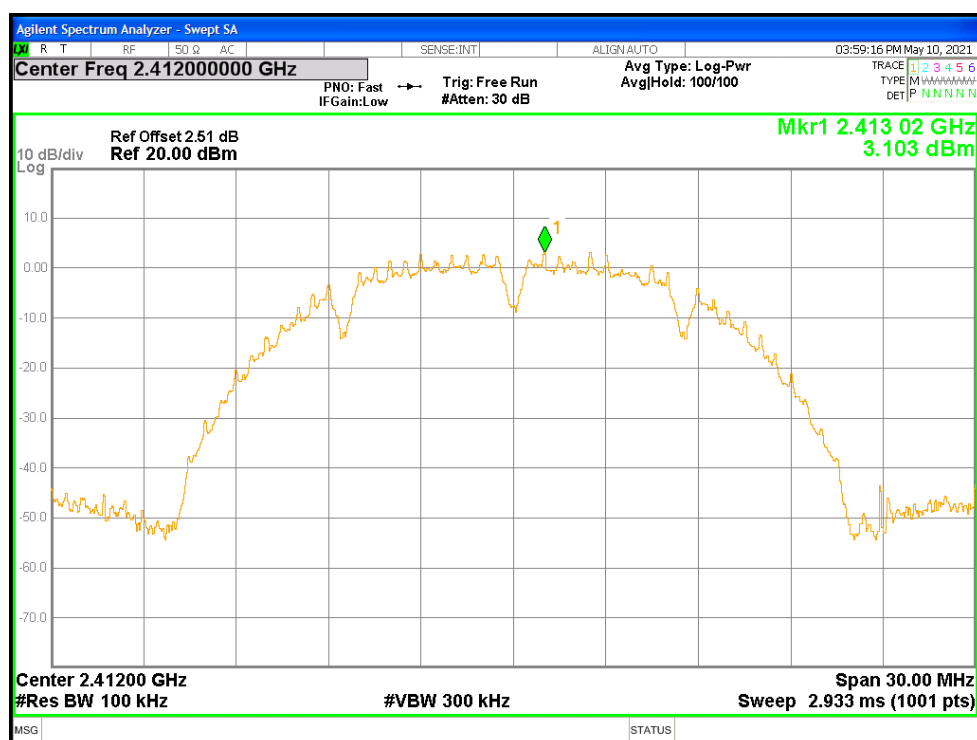
OBW NVNT n40 2452MHz Ant1



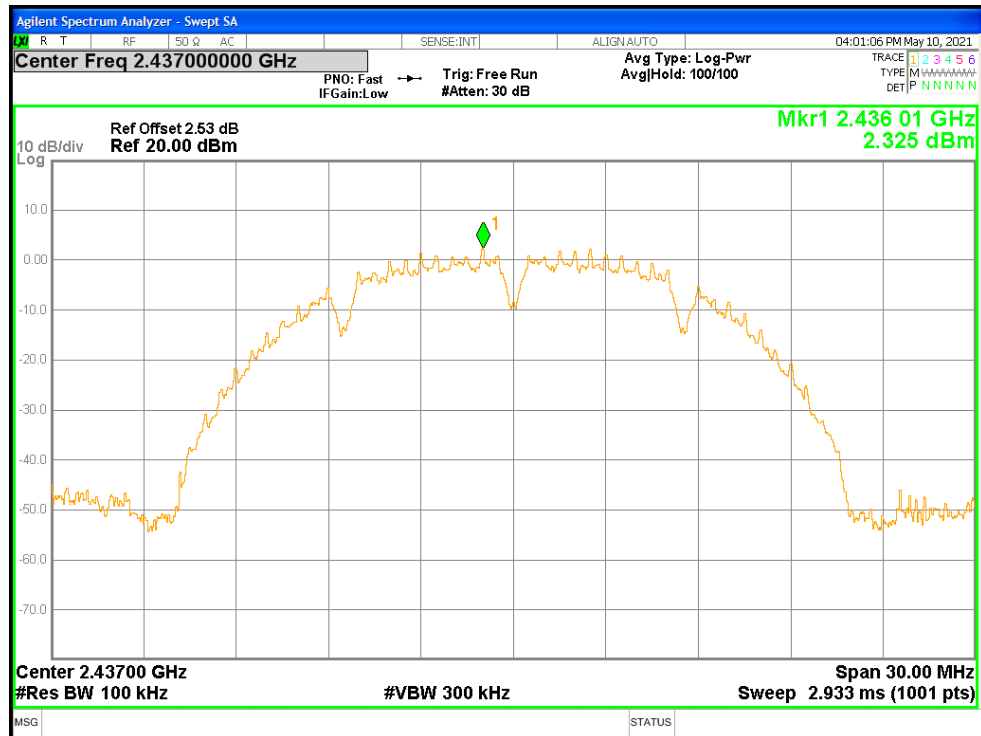
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	3.103	8	Pass
NVNT	b	2437	Ant1	2.325	8	Pass
NVNT	b	2462	Ant1	2.508	8	Pass
NVNT	g	2412	Ant1	-4.706	8	Pass
NVNT	g	2437	Ant1	-5.032	8	Pass
NVNT	g	2462	Ant1	-4.859	8	Pass
NVNT	n20	2412	Ant1	-4.088	8	Pass
NVNT	n20	2437	Ant1	-5.339	8	Pass
NVNT	n20	2462	Ant1	-4.559	8	Pass
NVNT	n40	2422	Ant1	-8.751	8	Pass
NVNT	n40	2437	Ant1	-8.151	8	Pass
NVNT	n40	2452	Ant1	-7.533	8	Pass

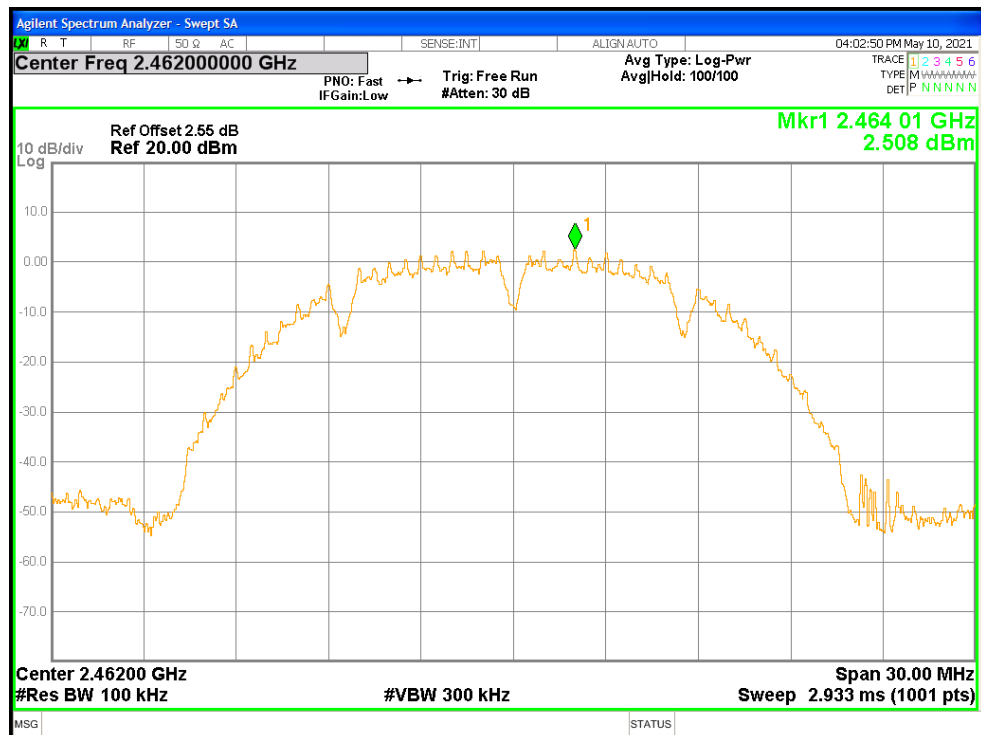
PSD NVNT b 2412MHz Ant1



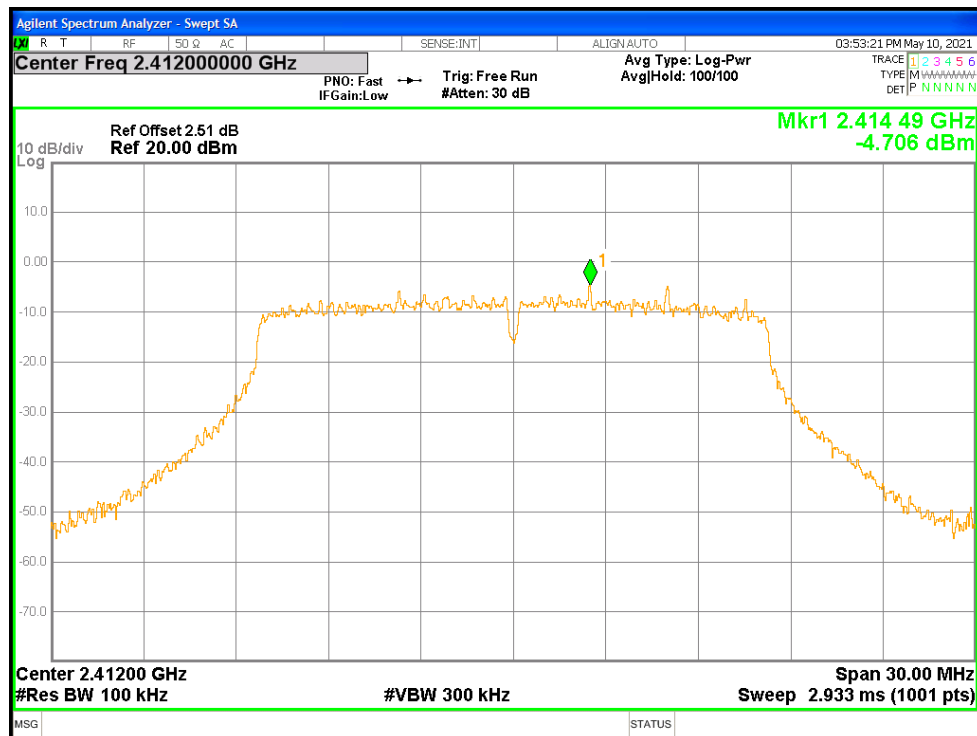
PSD NVNT b 2437MHz Ant1



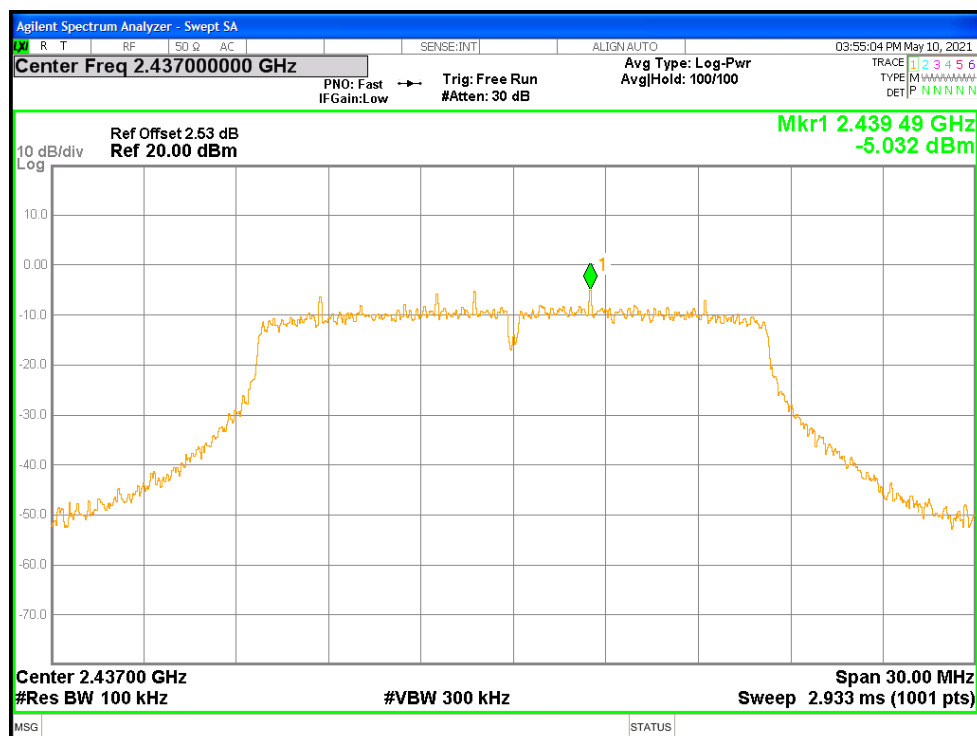
PSD NVNT b 2462MHz Ant1



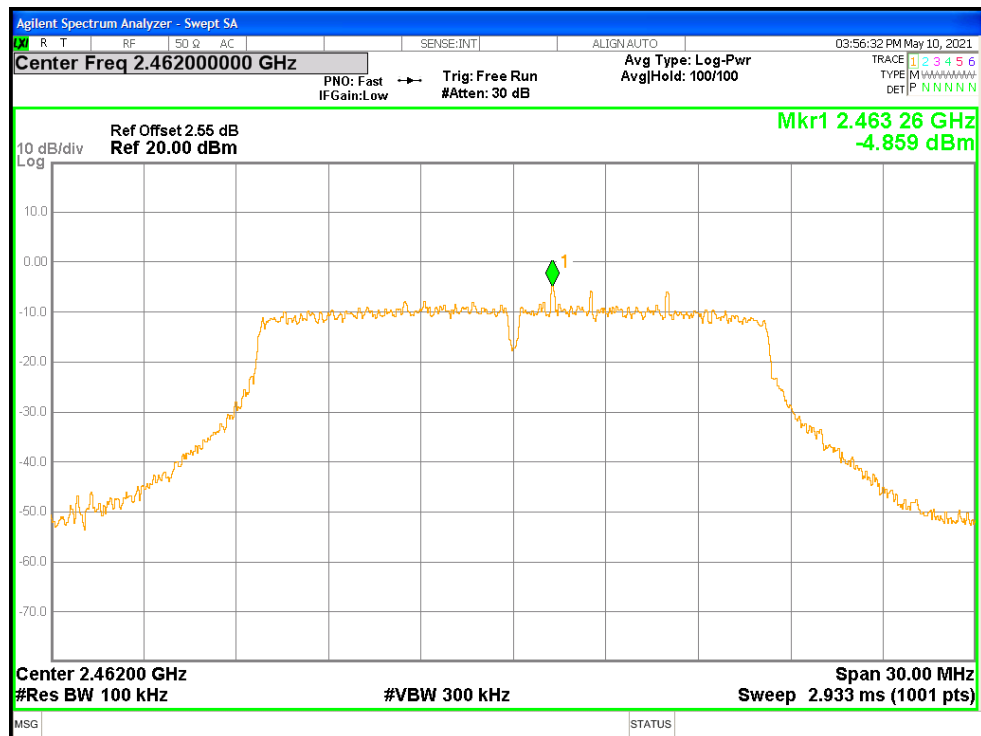
PSD NVNT g 2412MHz Ant1



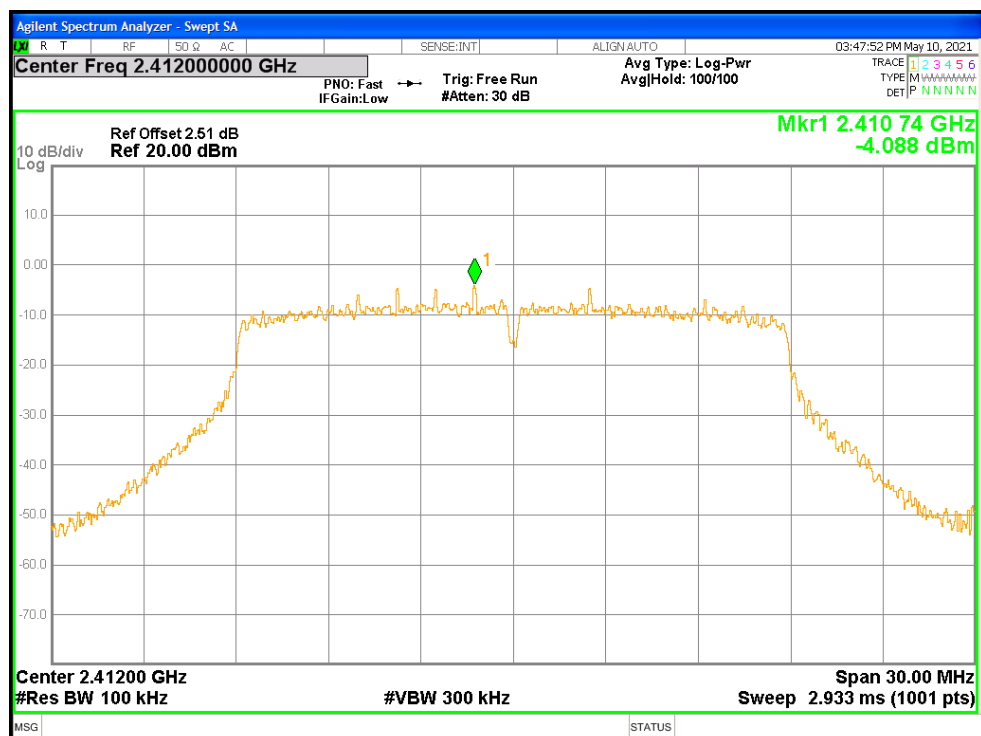
PSD NVNT g 2437MHz Ant1



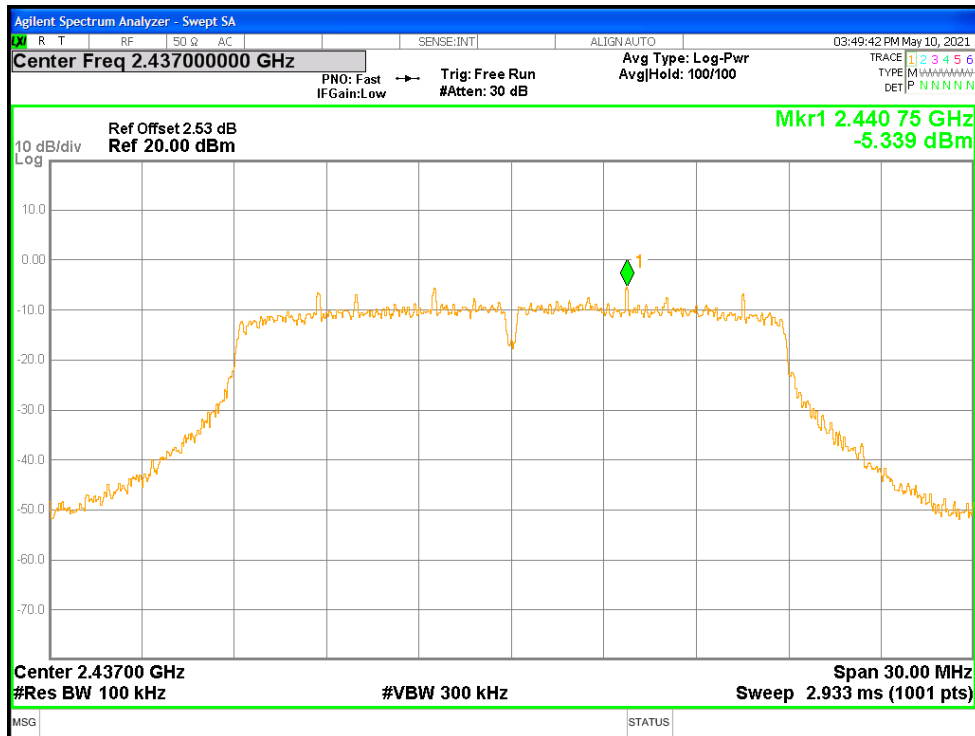
PSD NVNT g 2462MHz Ant1



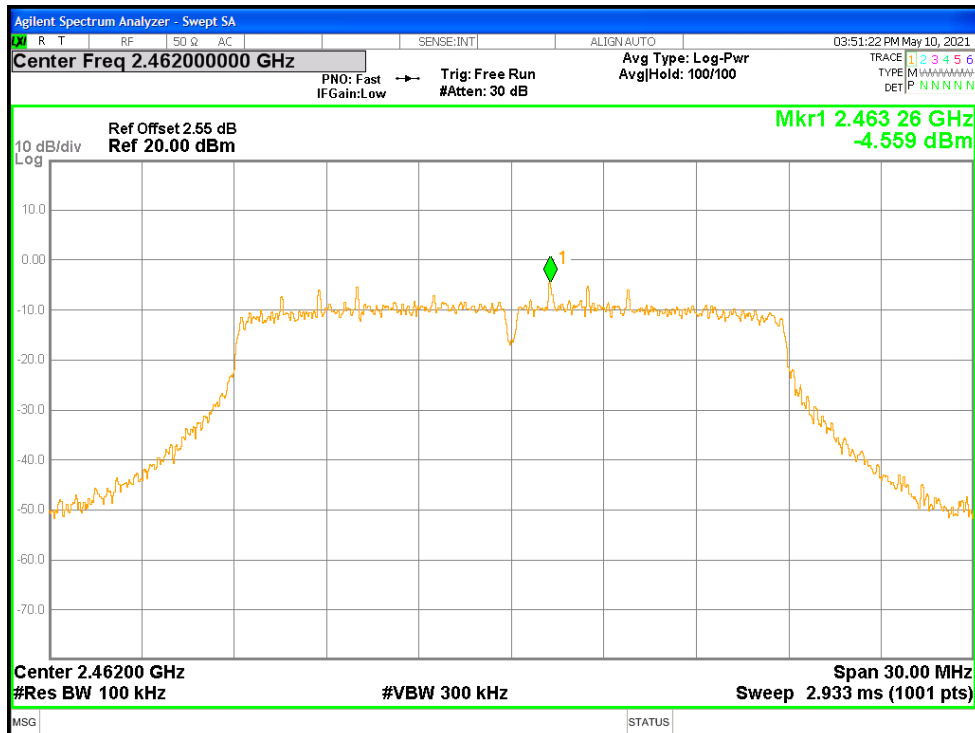
PSD NVNT n20 2412MHz Ant1



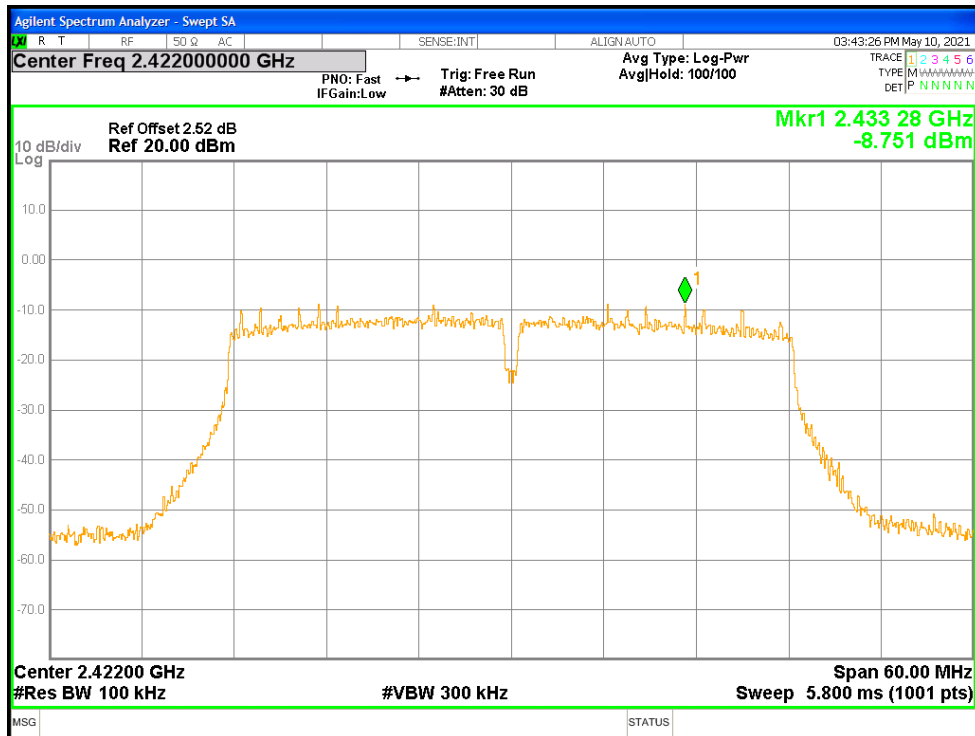
PSD NVNT n20 2437MHz Ant1



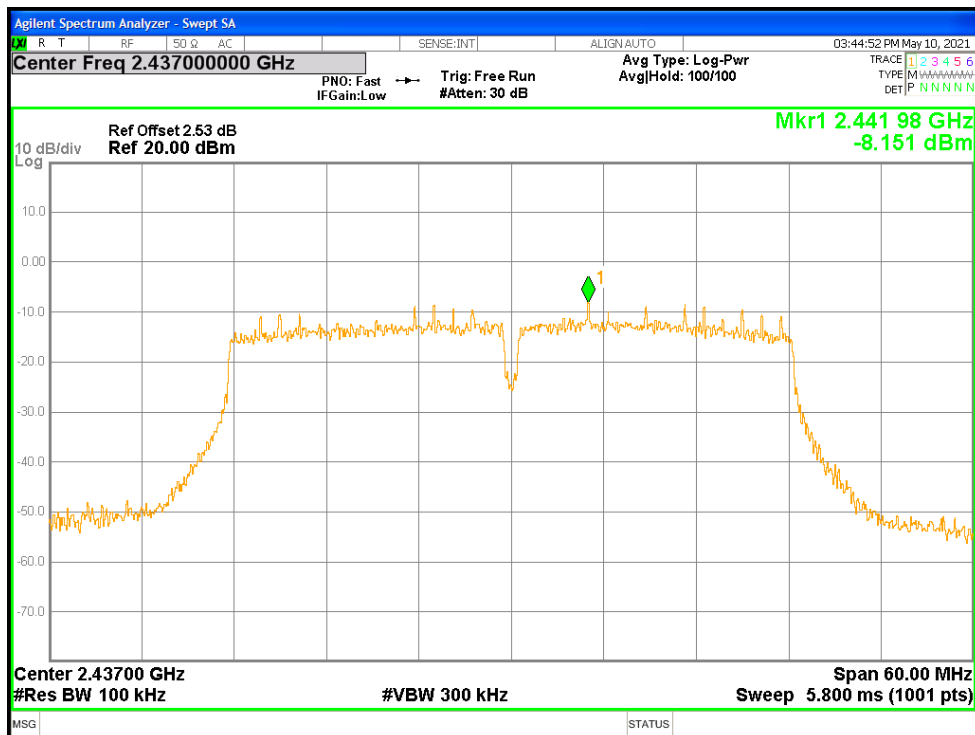
PSD NVNT n20 2462MHz Ant1



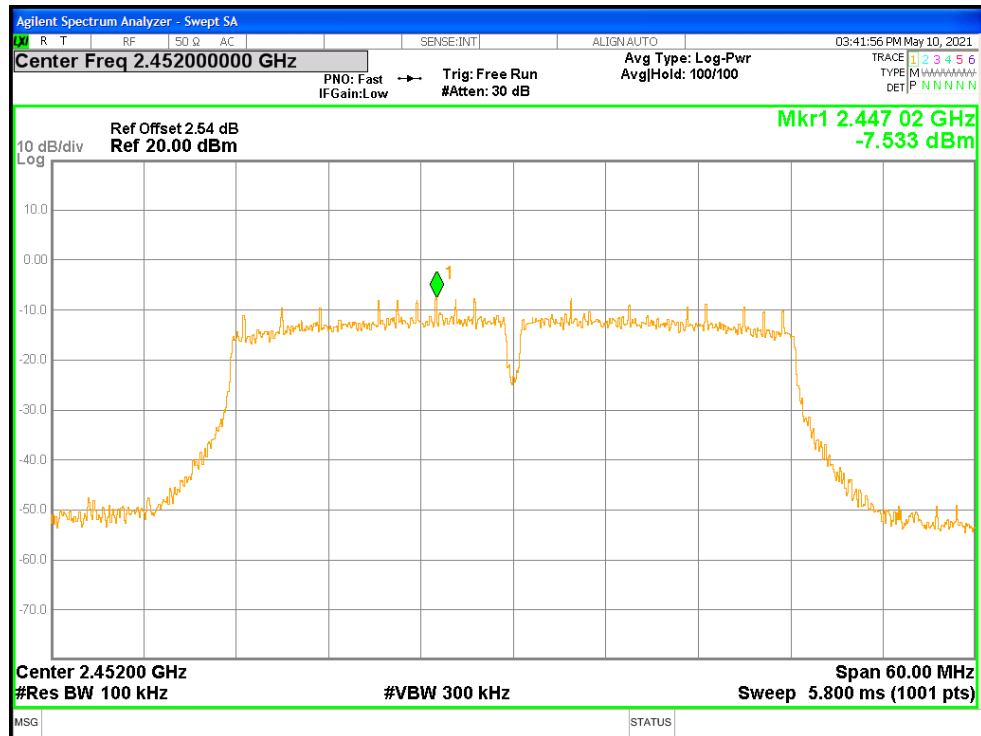
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



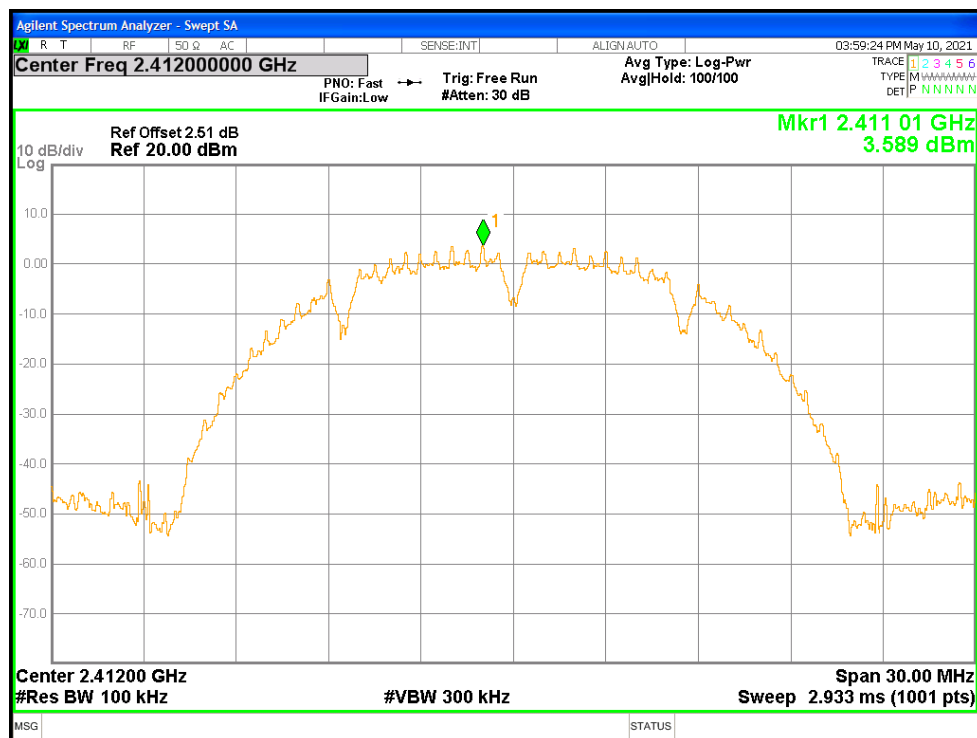
PSD NVNT n40 2452MHz Ant1



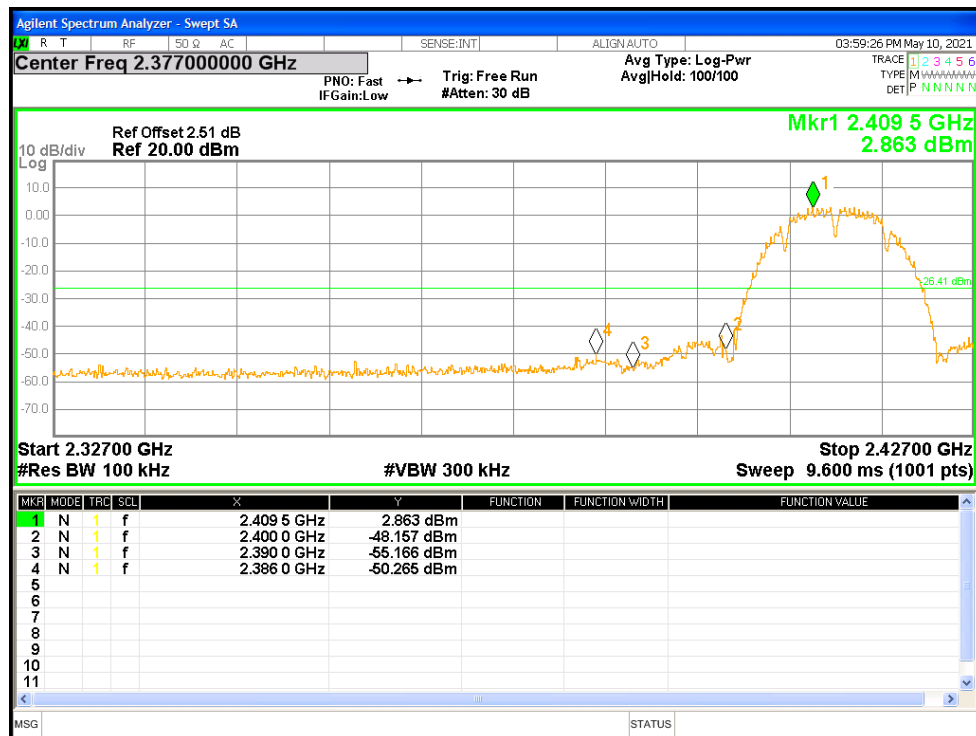
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-53.85	-30	Pass
NVNT	b	2462	Ant1	-56.21	-30	Pass
NVNT	g	2412	Ant1	-50.95	-30	Pass
NVNT	g	2462	Ant1	-49	-30	Pass
NVNT	n20	2412	Ant1	-49.86	-30	Pass
NVNT	n20	2462	Ant1	-48.77	-30	Pass
NVNT	n40	2422	Ant1	-45.59	-30	Pass
NVNT	n40	2452	Ant1	-44.88	-30	Pass

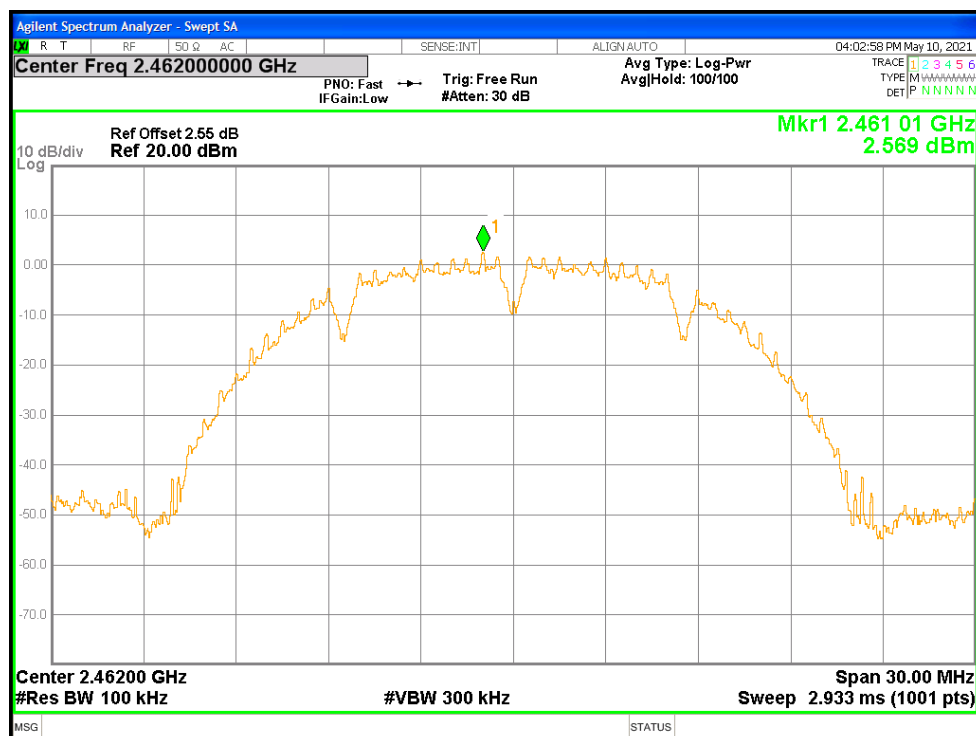
Band Edge NVNT b 2412MHz Ant1 Ref



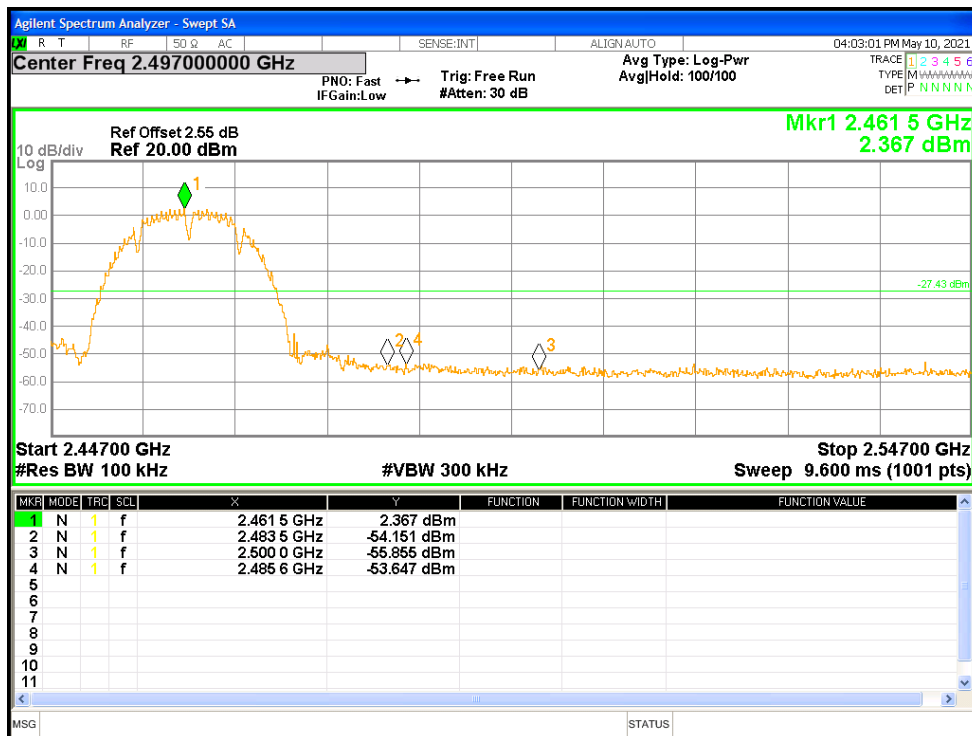
Band Edge NVNT b 2412MHz Ant1 Emission



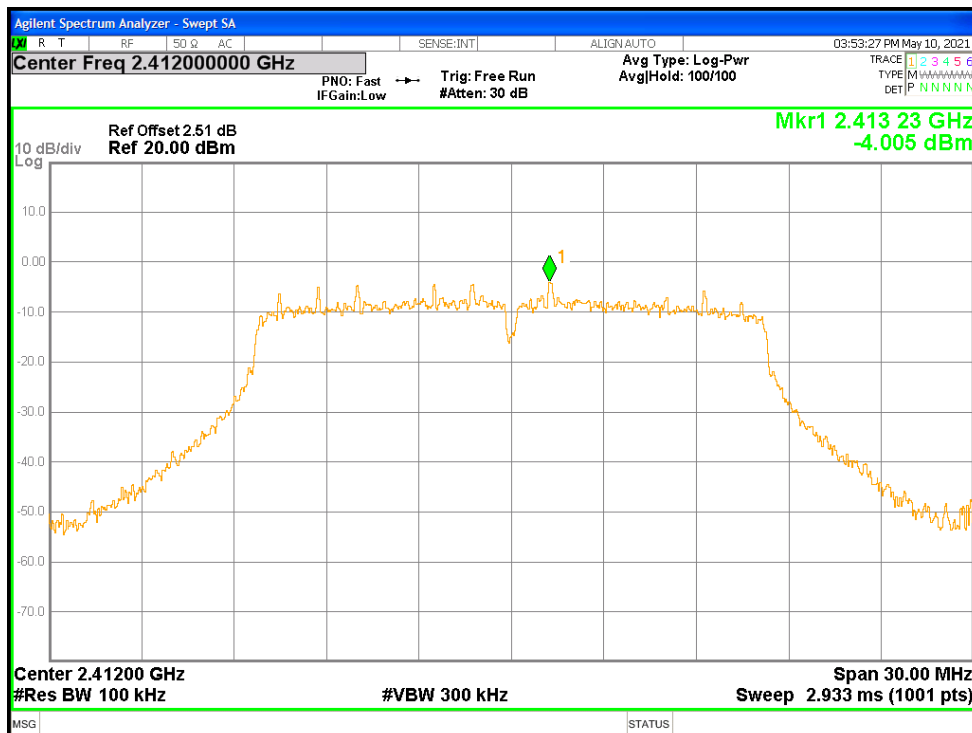
Band Edge NVNT b 2462MHz Ant1 Ref



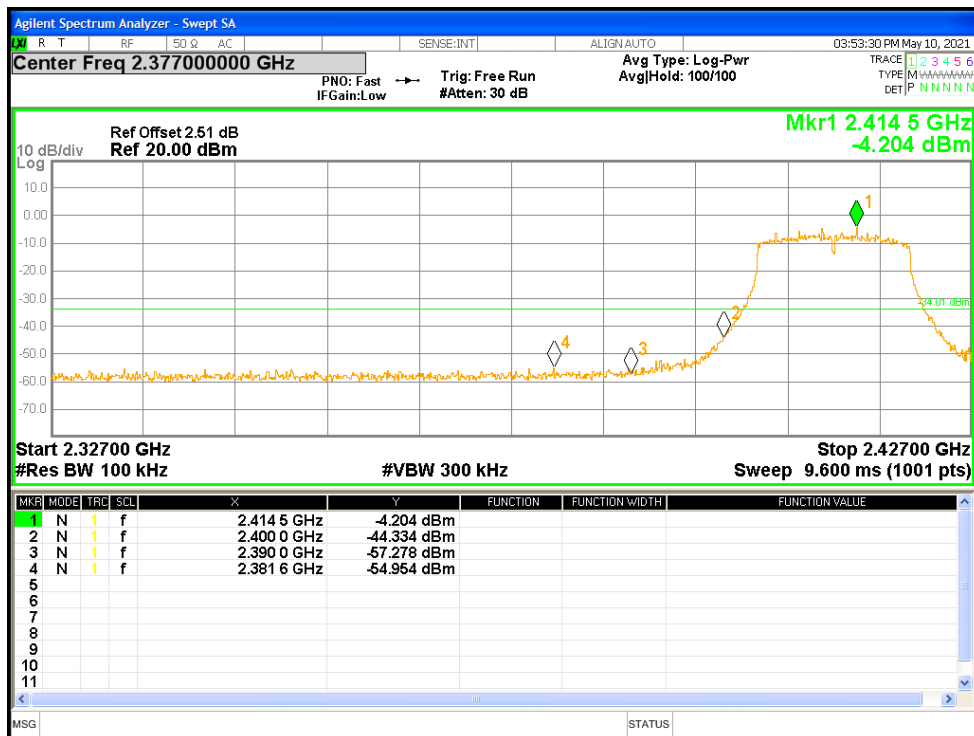
Band Edge NVNT b 2462MHz Ant1 Emission



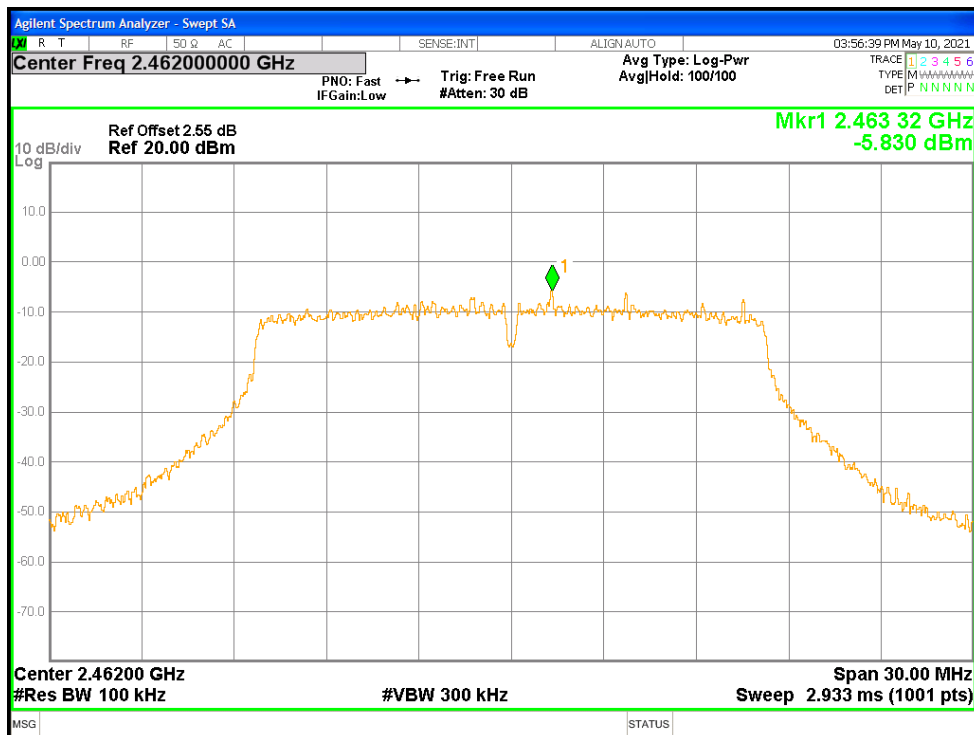
Band Edge NVNT g 2412MHz Ant1 Ref



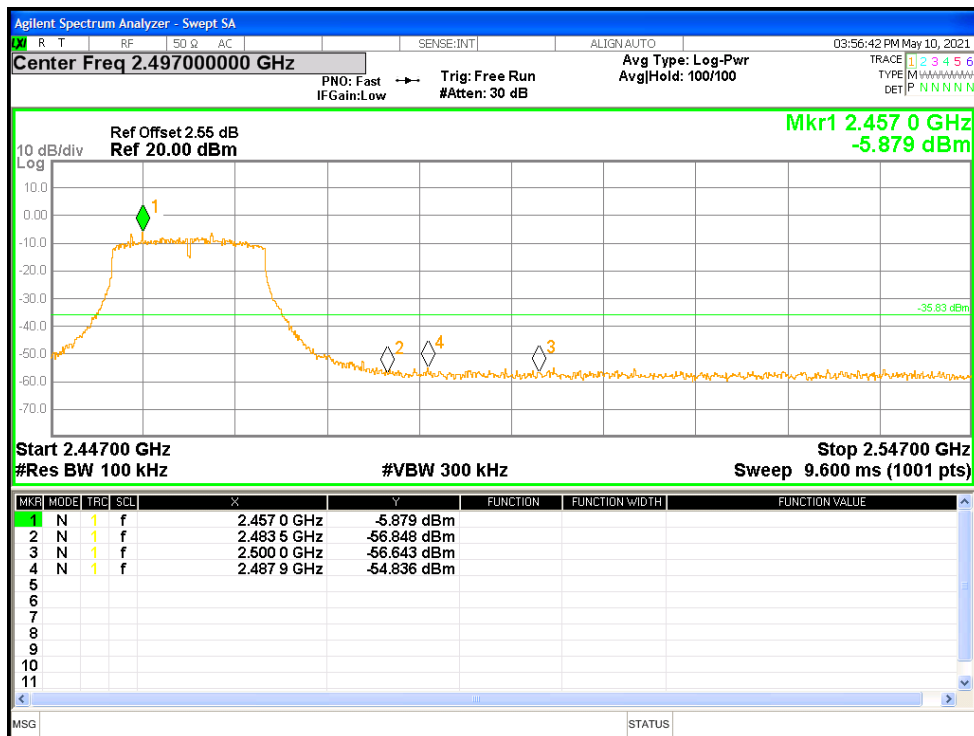
Band Edge NVNT g 2412MHz Ant1 Emission



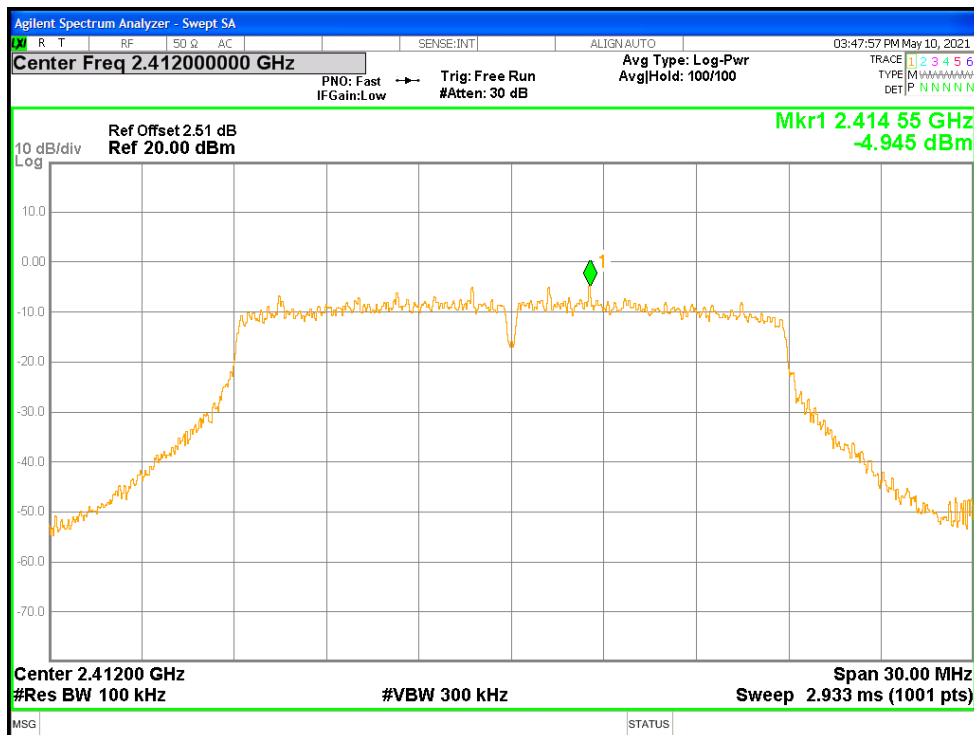
Band Edge NVNT g 2462MHz Ant1 Ref



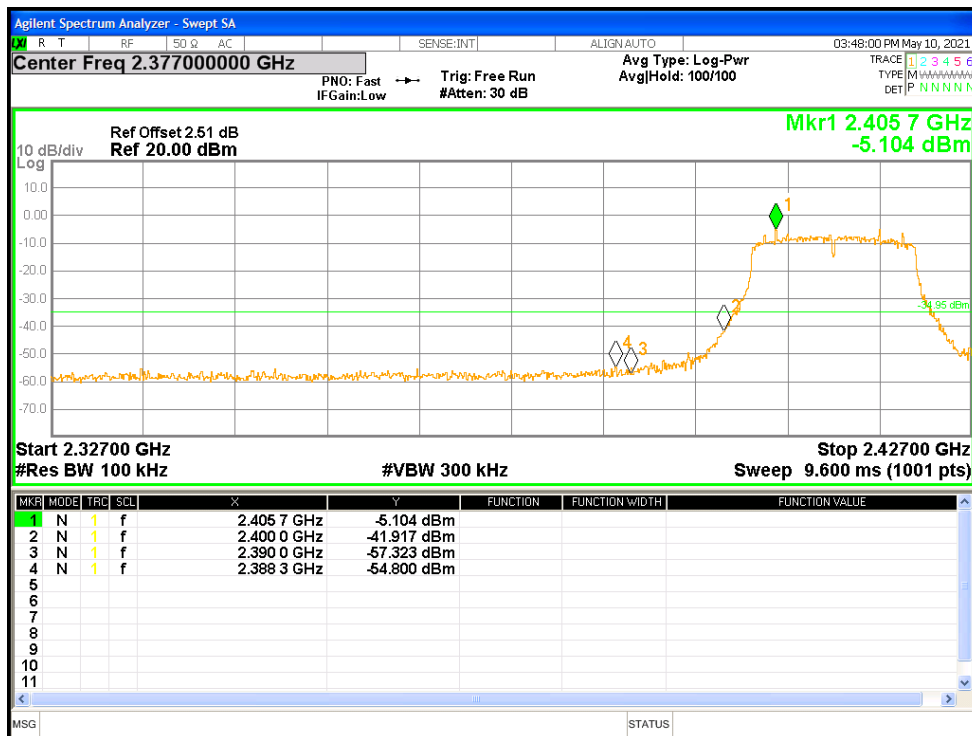
Band Edge NVNT g 2462MHz Ant1 Emission



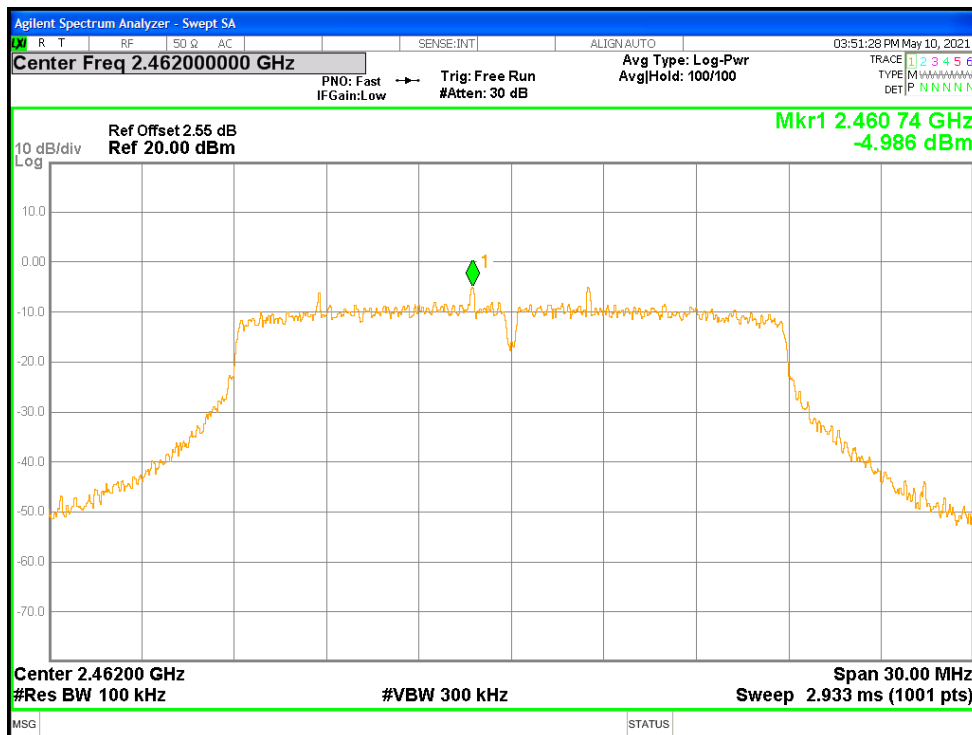
Band Edge NVNT n20 2412MHz Ant1 Ref



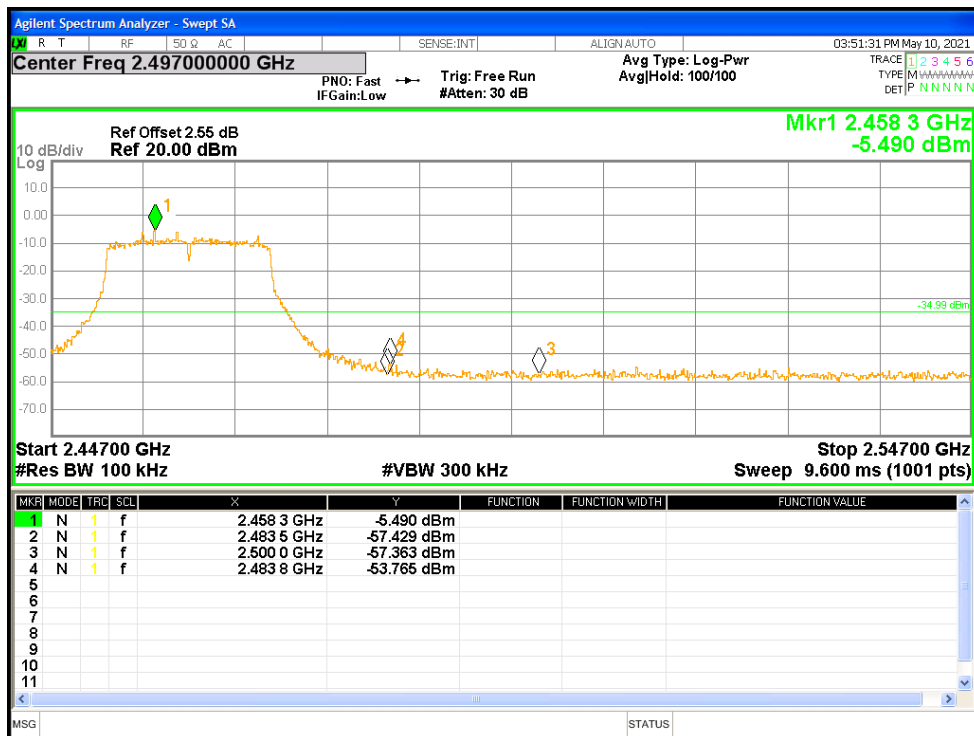
Band Edge NVNT n20 2412MHz Ant1 Emission



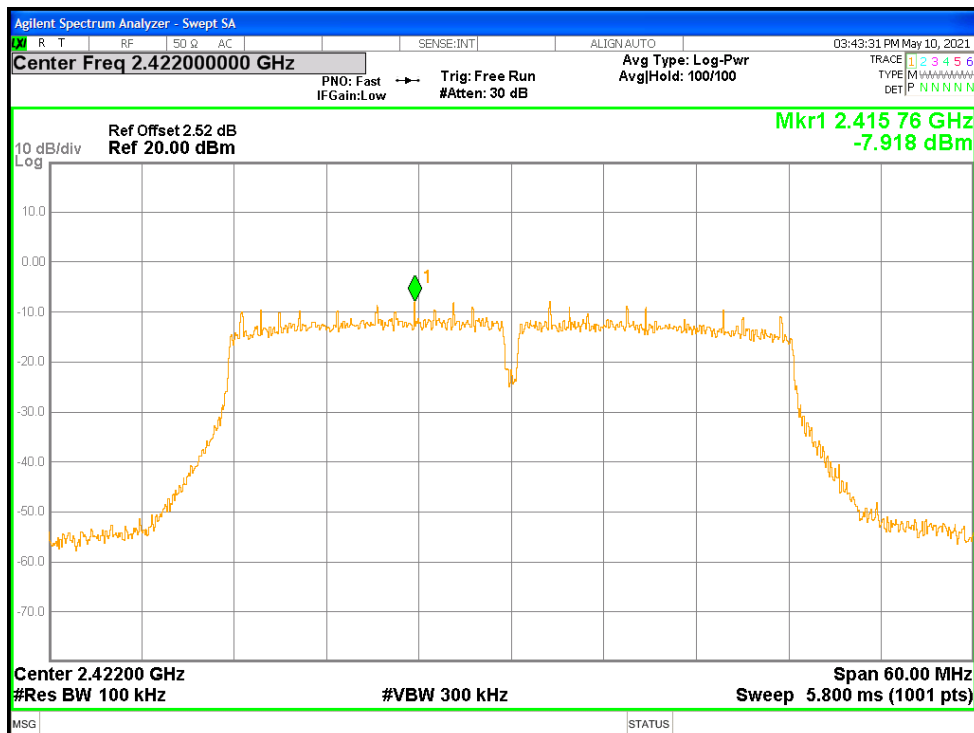
Band Edge NVNT n20 2462MHz Ant1 Ref



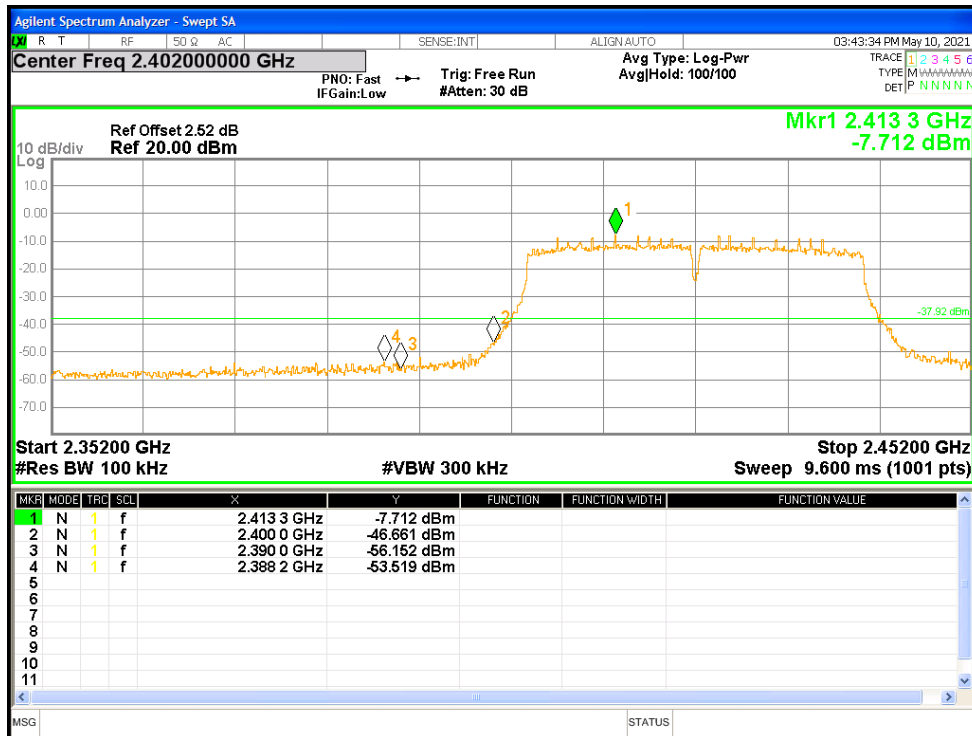
Band Edge NVNT n20 2462MHz Ant1 Emission



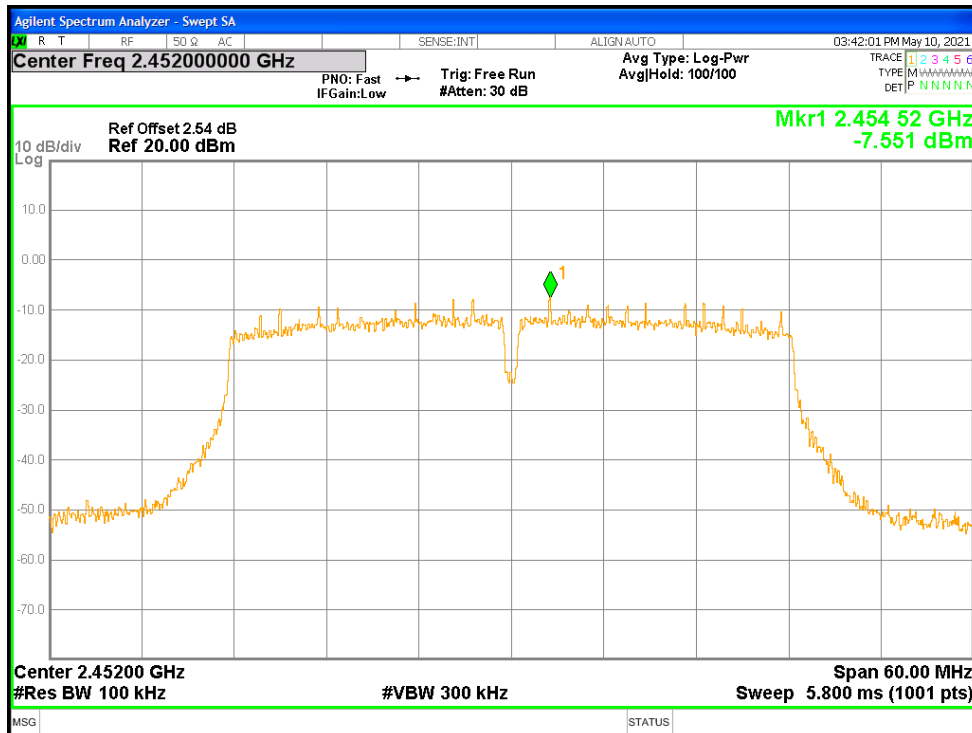
Band Edge NVNT n40 2422MHz Ant1 Ref



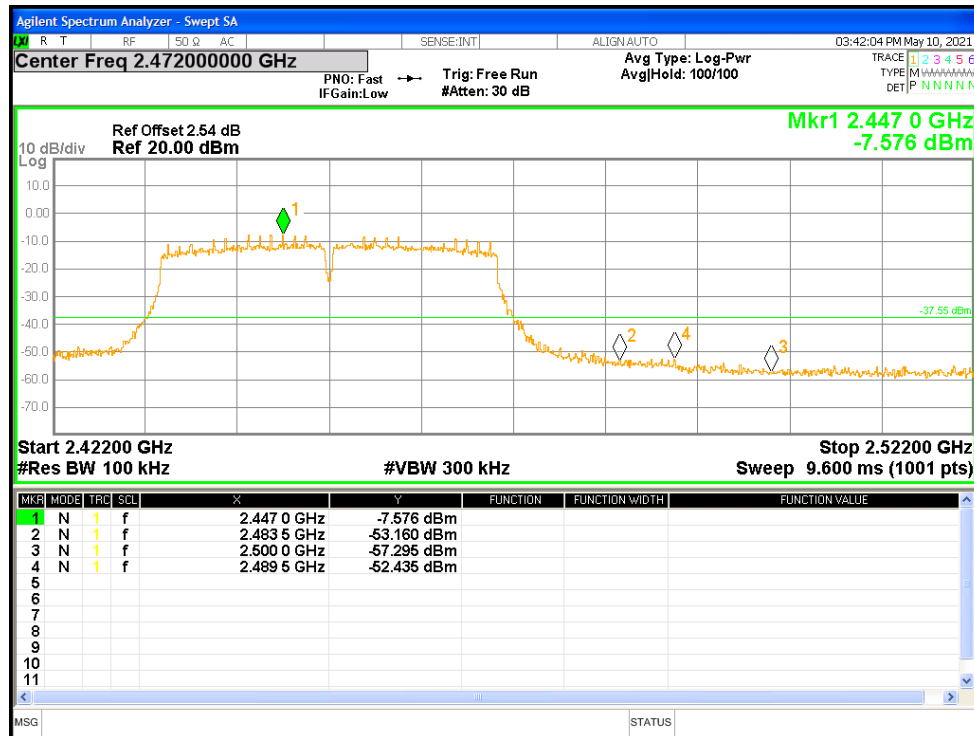
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



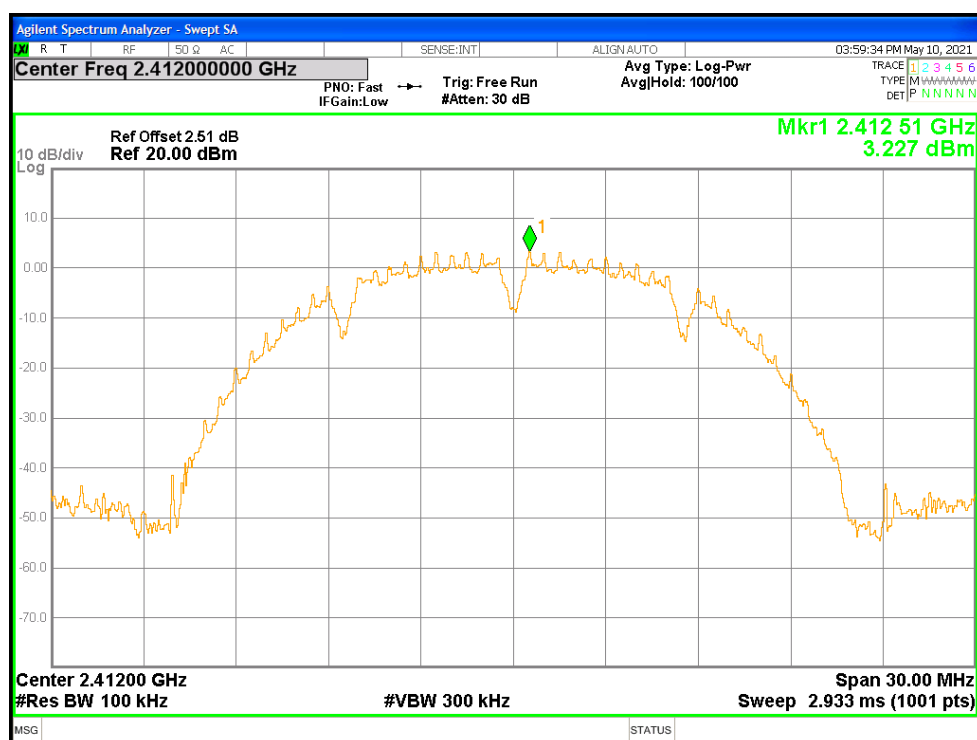
Band Edge NVNT n40 2452MHz Ant1 Emission



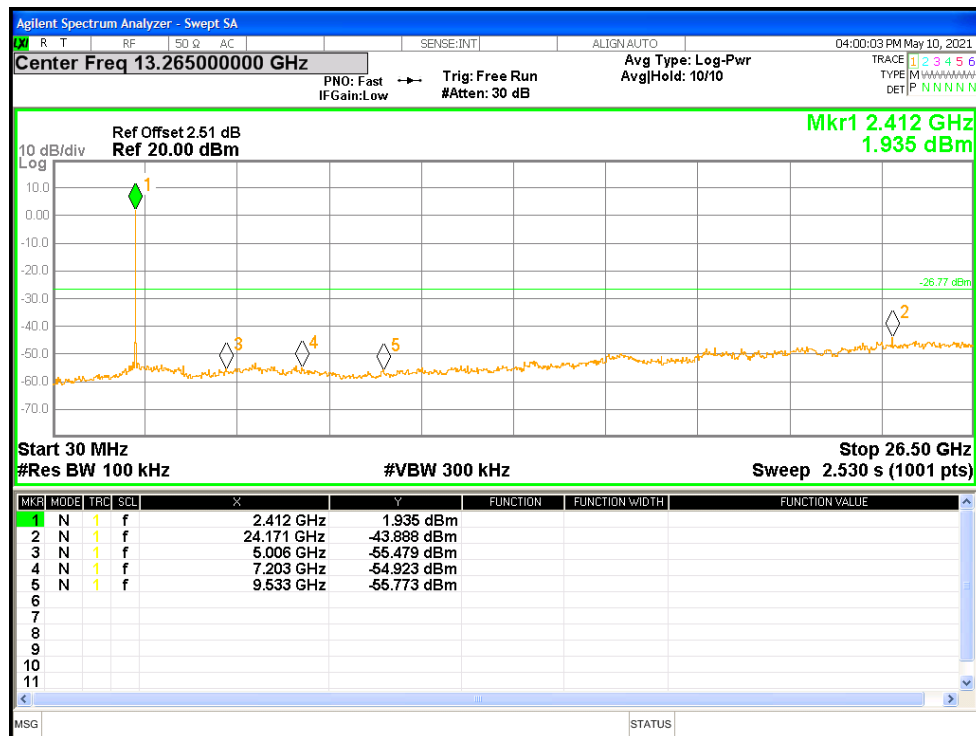
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-47.11	-30	Pass
NVNT	b	2437	Ant1	-47.42	-30	Pass
NVNT	b	2462	Ant1	-47.38	-30	Pass
NVNT	g	2412	Ant1	-41.35	-30	Pass
NVNT	g	2437	Ant1	-40.61	-30	Pass
NVNT	g	2462	Ant1	-38.96	-30	Pass
NVNT	n20	2412	Ant1	-40.31	-30	Pass
NVNT	n20	2437	Ant1	-39.36	-30	Pass
NVNT	n20	2462	Ant1	-40.94	-30	Pass
NVNT	n40	2422	Ant1	-37.81	-30	Pass
NVNT	n40	2437	Ant1	-36.76	-30	Pass
NVNT	n40	2452	Ant1	-37.22	-30	Pass

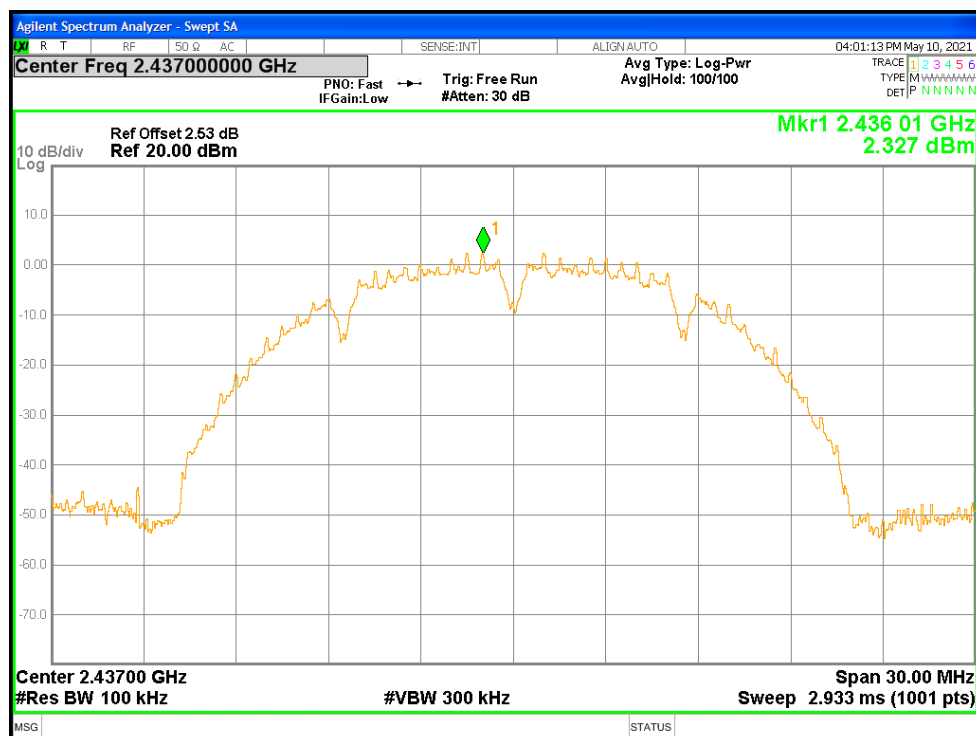
Tx. Spurious NVNT b 2412MHz Ant1 Ref



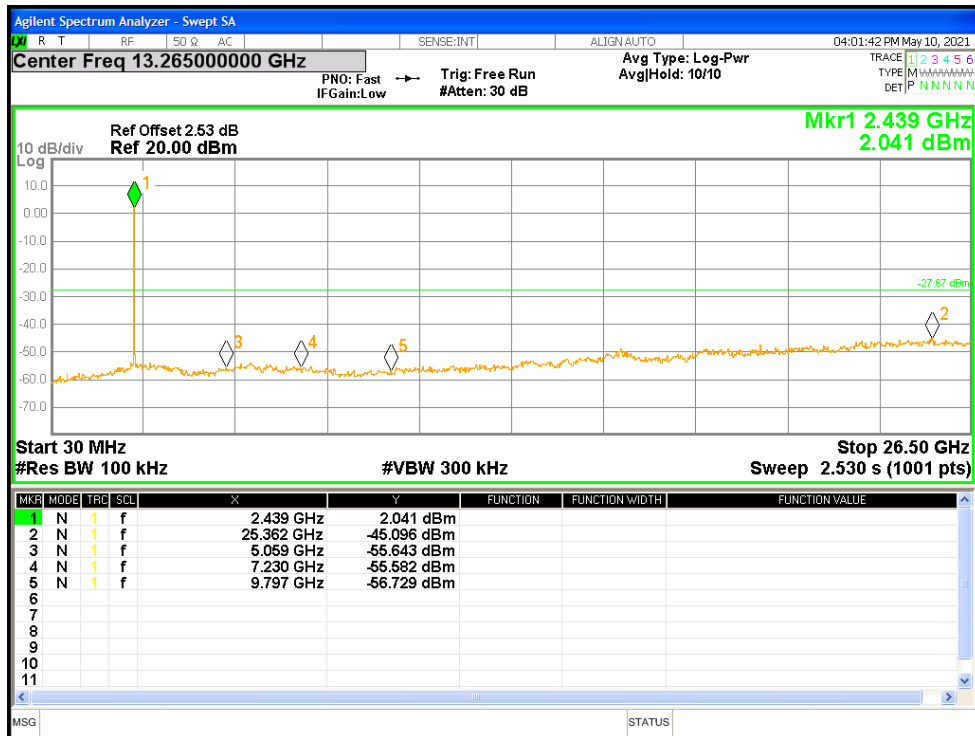
Tx. Spurious NVNT b 2412MHz Ant1 Emission



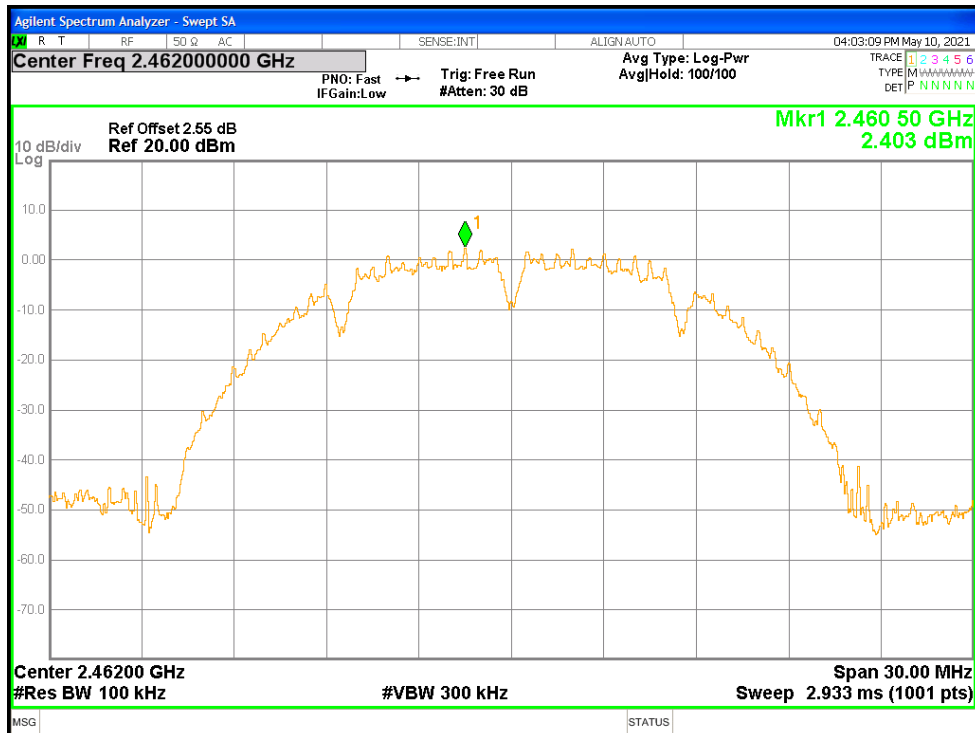
Tx. Spurious NVNT b 2437MHz Ant1 Ref



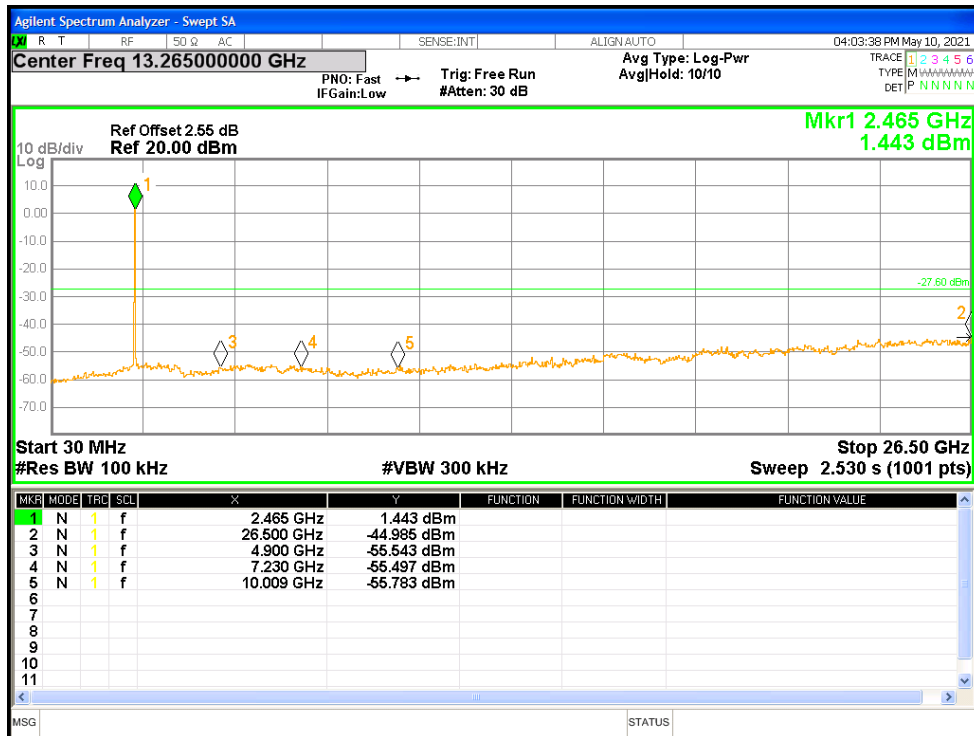
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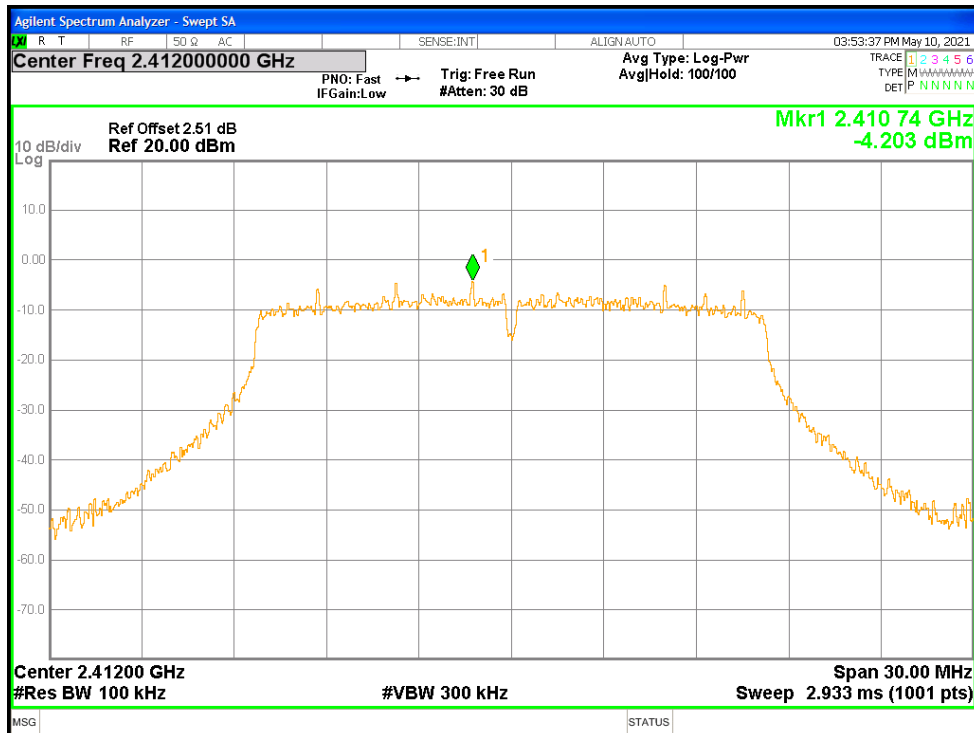
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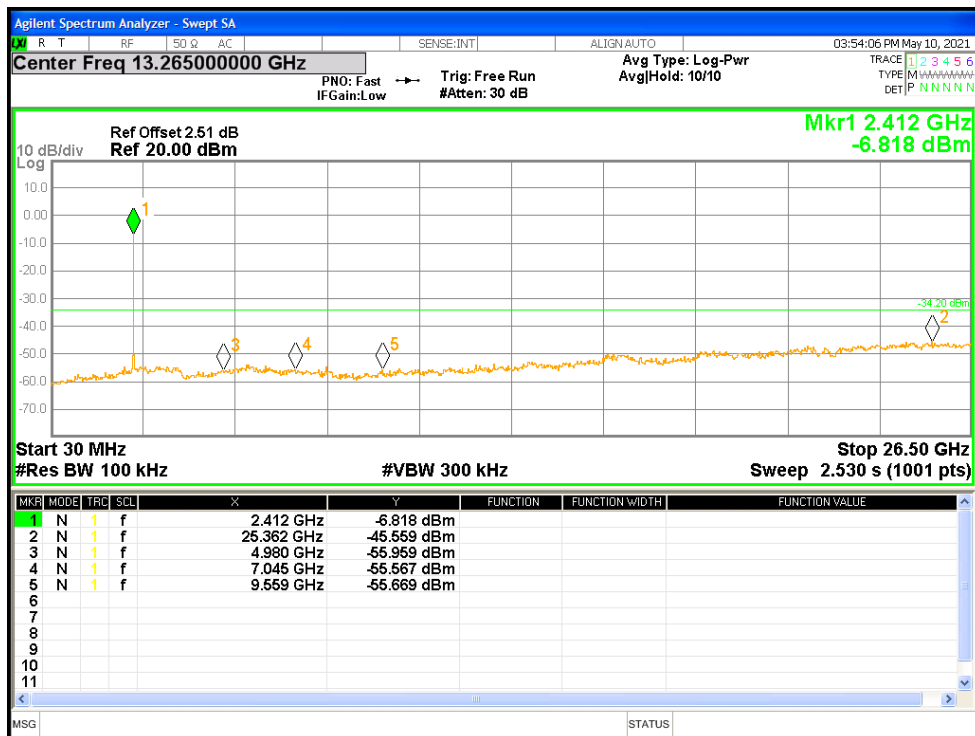
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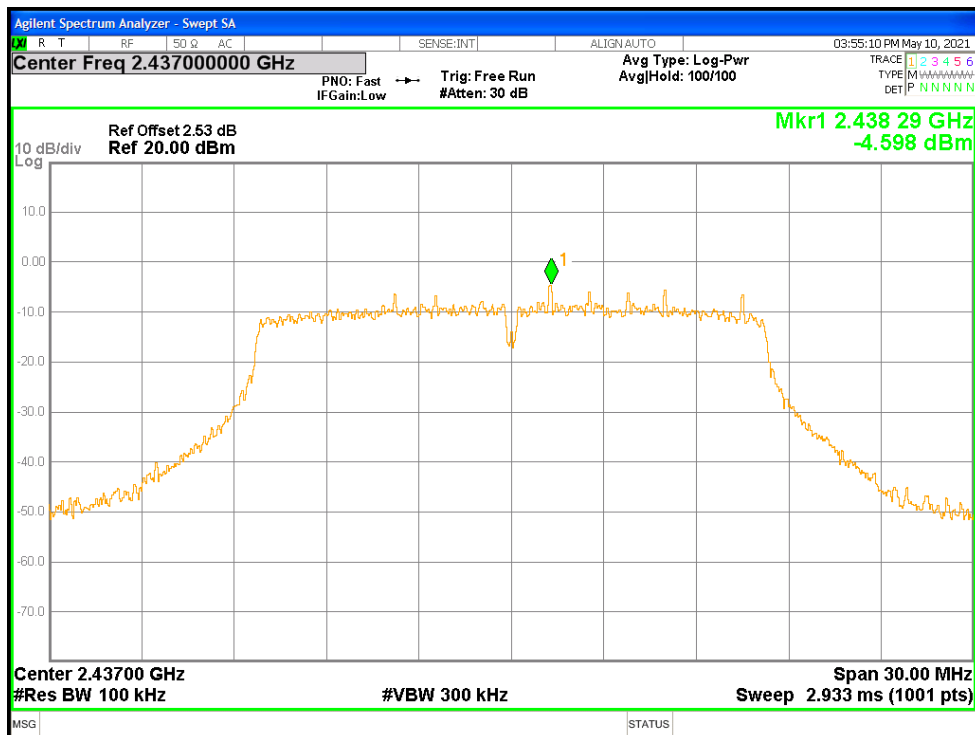
Tx. Spurious NVNT g 2412MHz Ant1 Ref



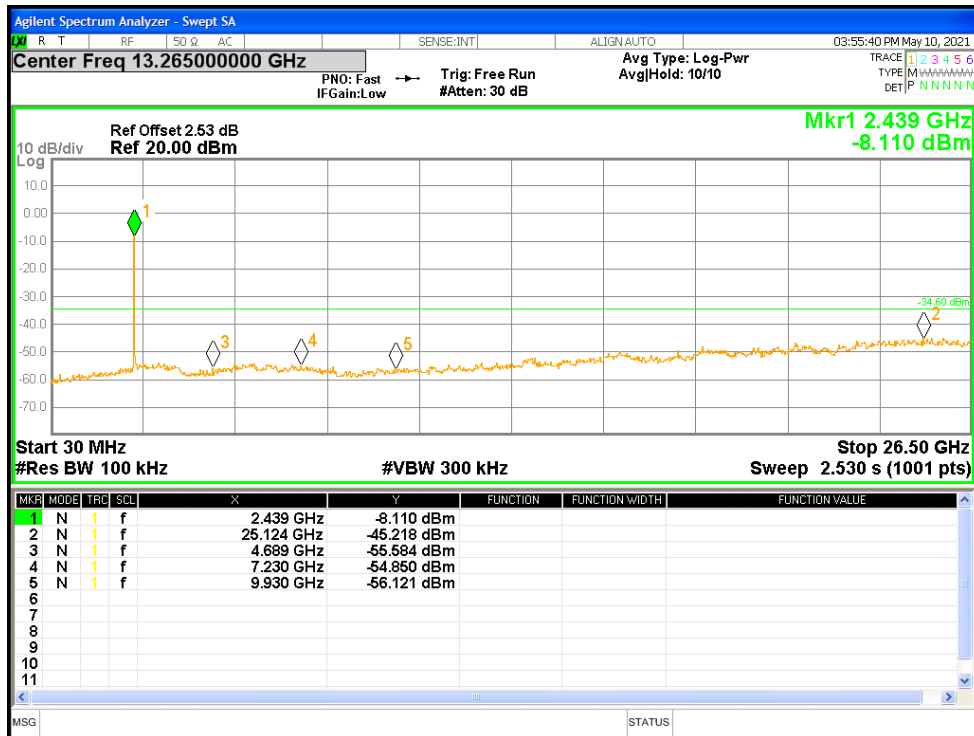
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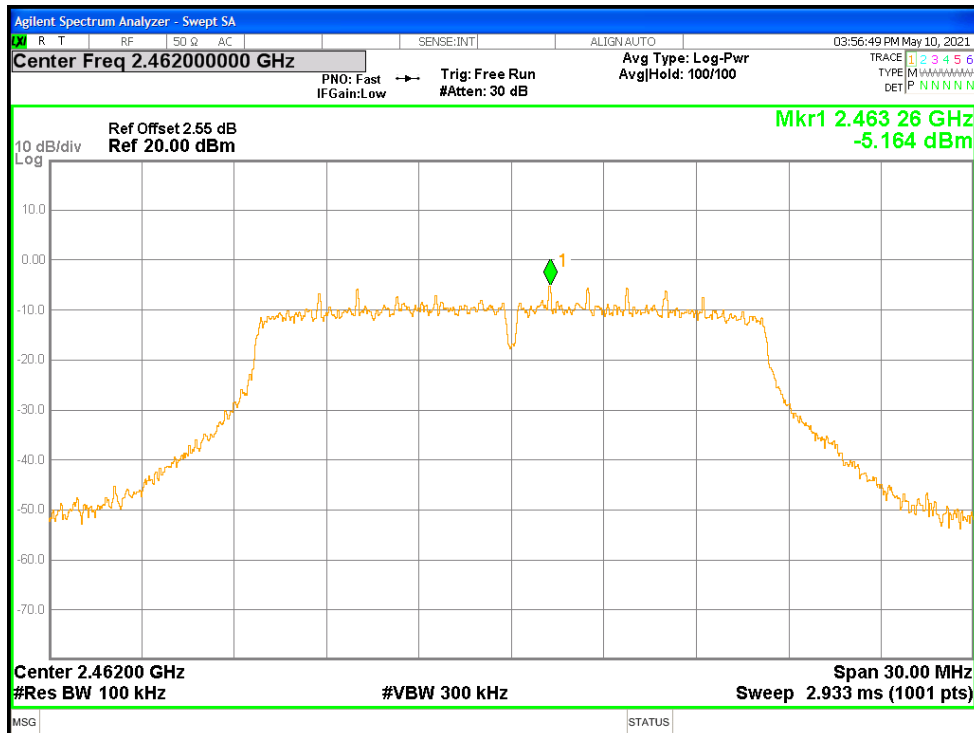
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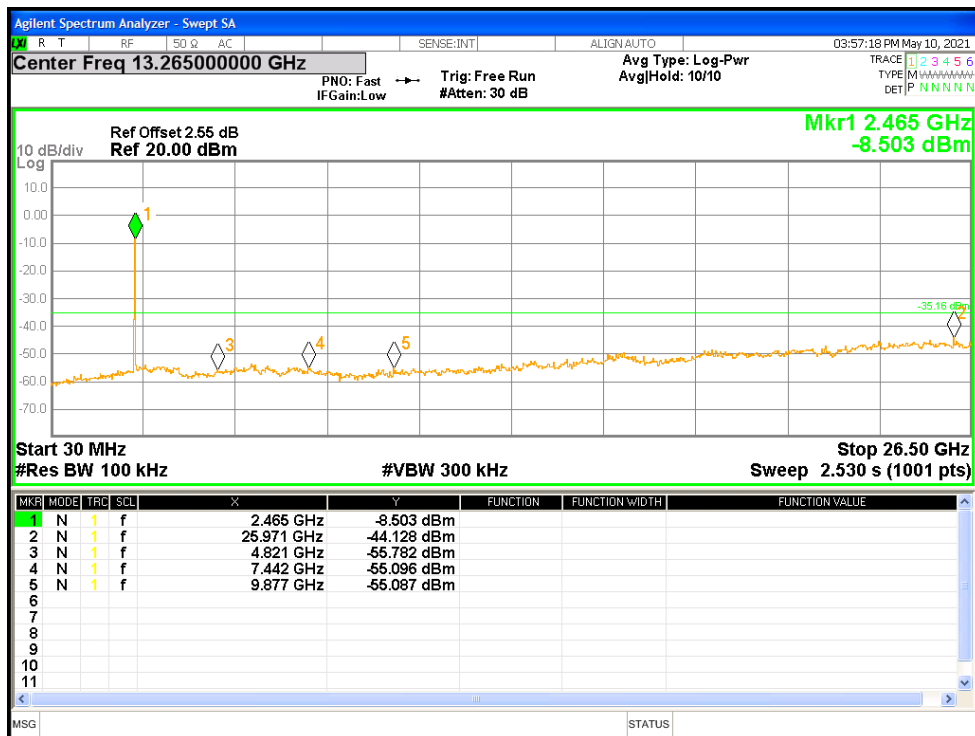
Tx. Spurious NVNT g 2437MHz Ant1 Emission



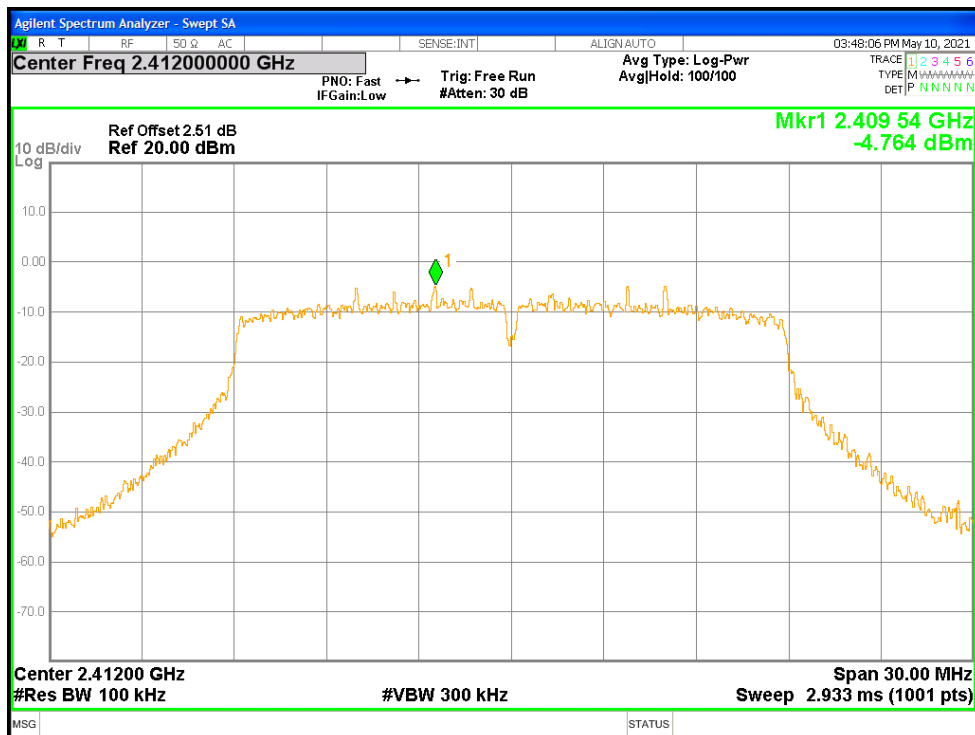
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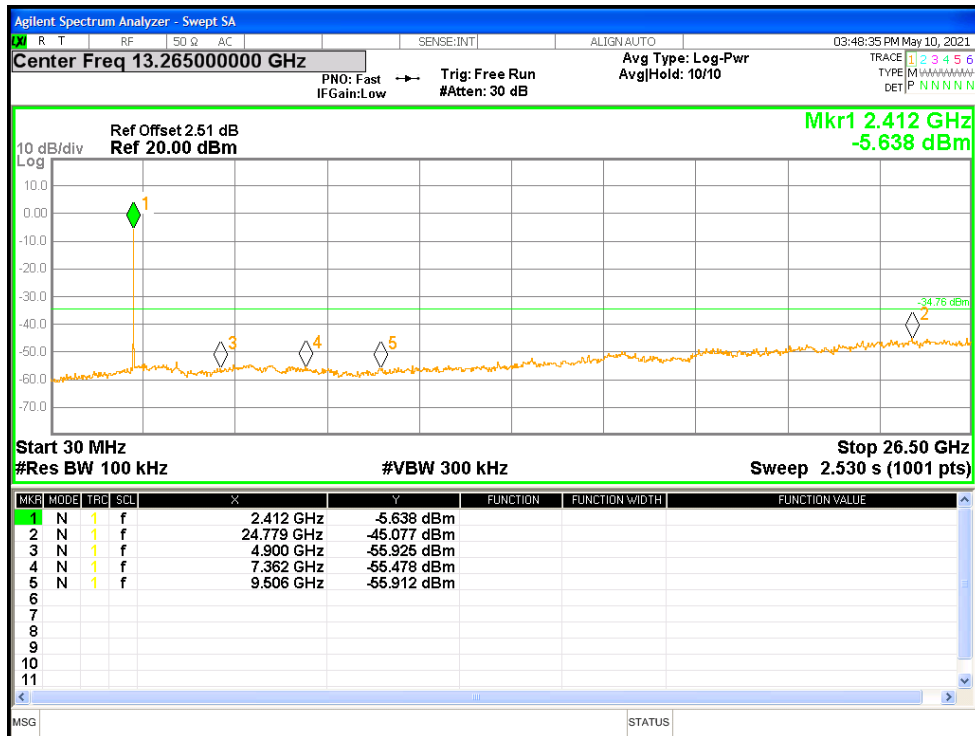
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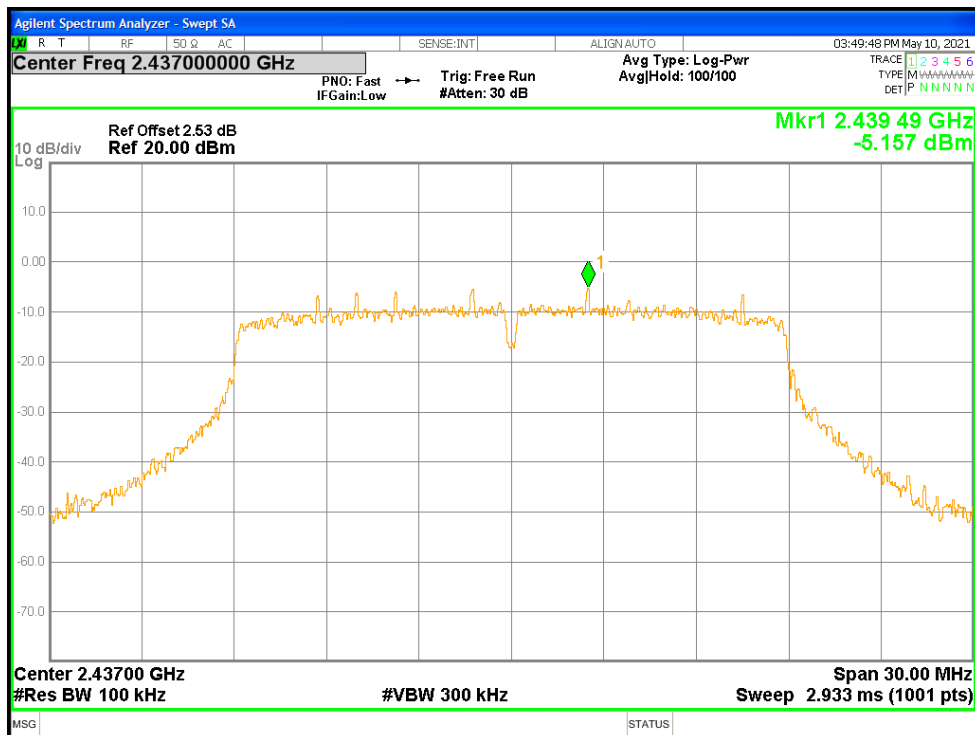
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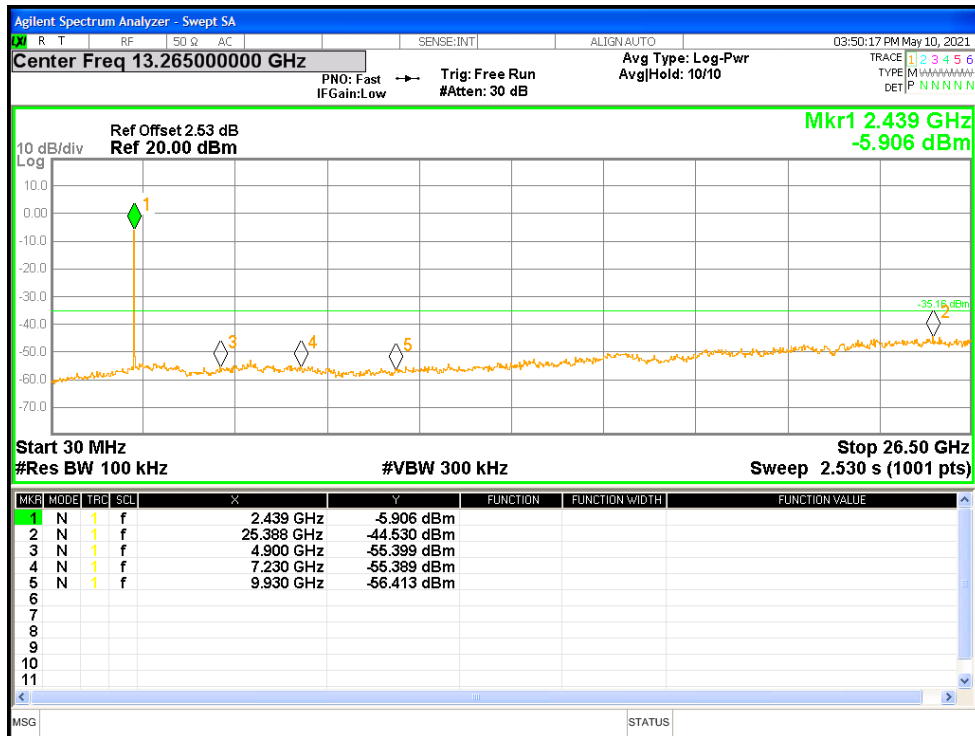
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



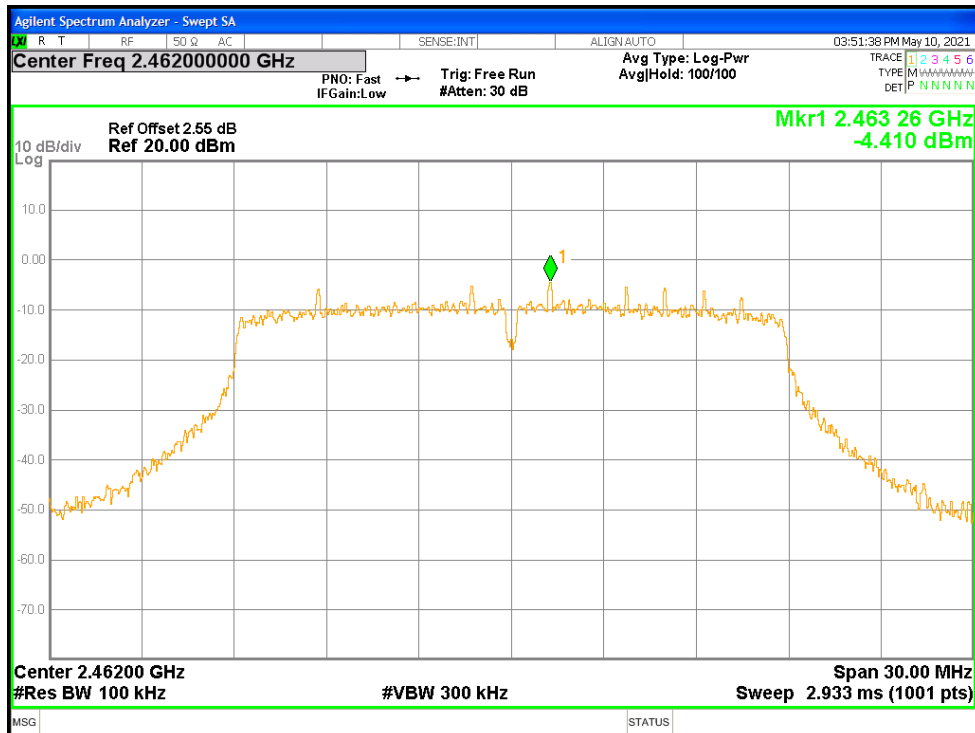
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



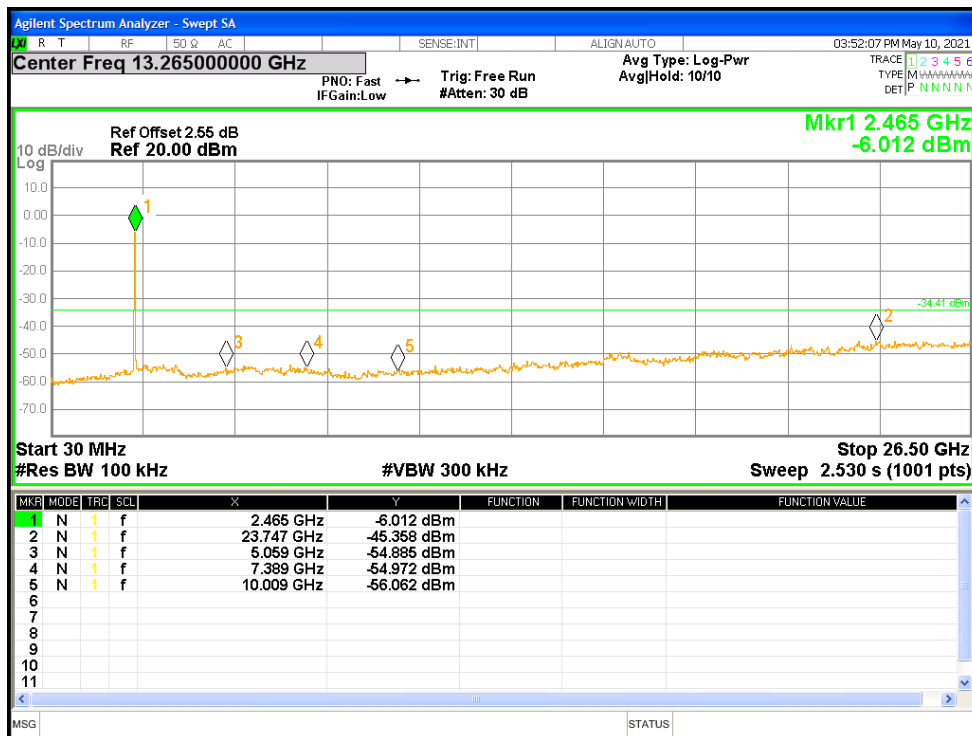
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



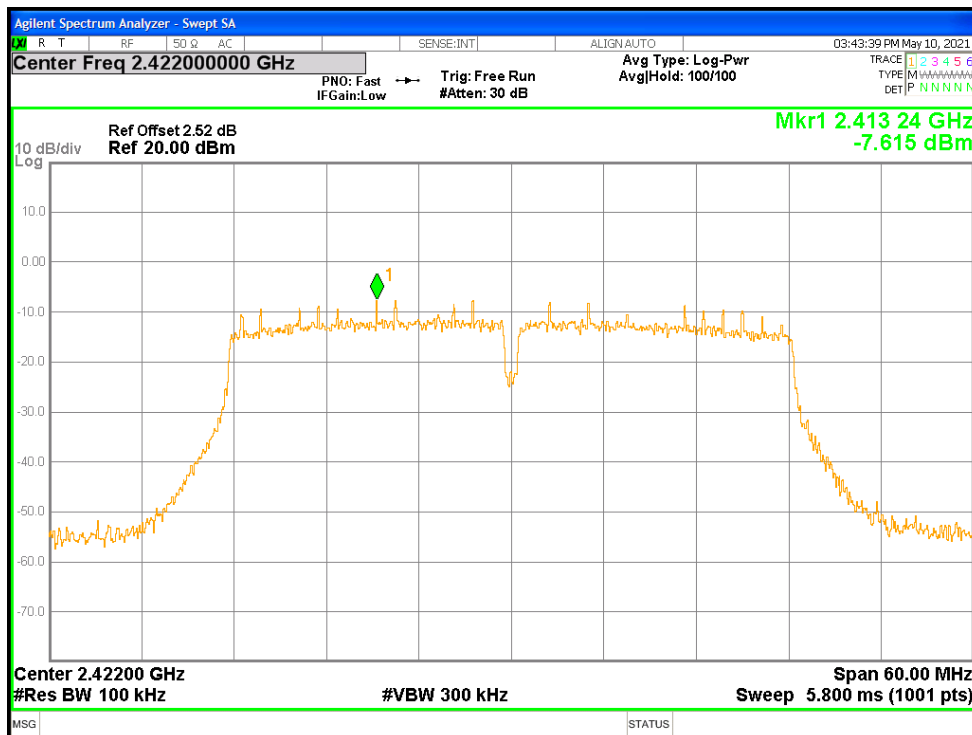
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



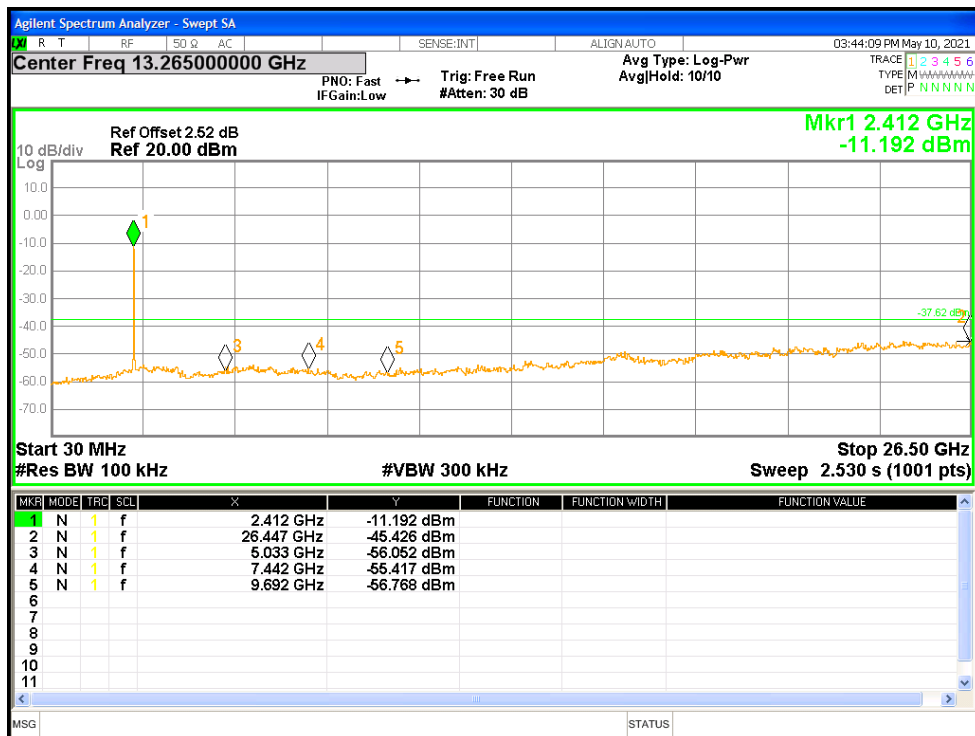
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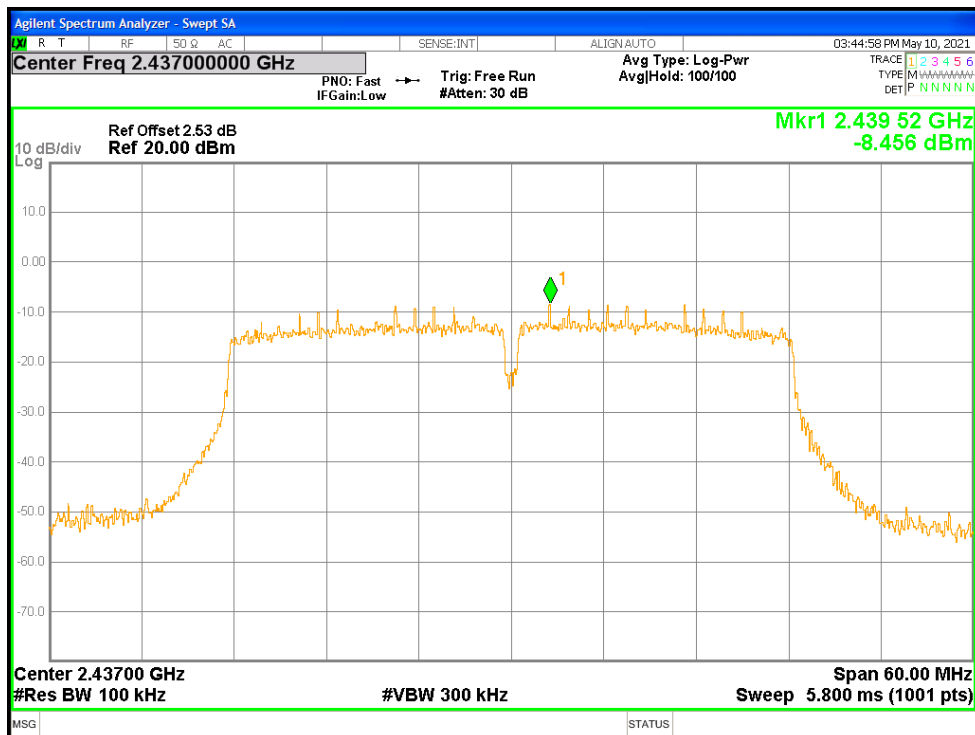
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



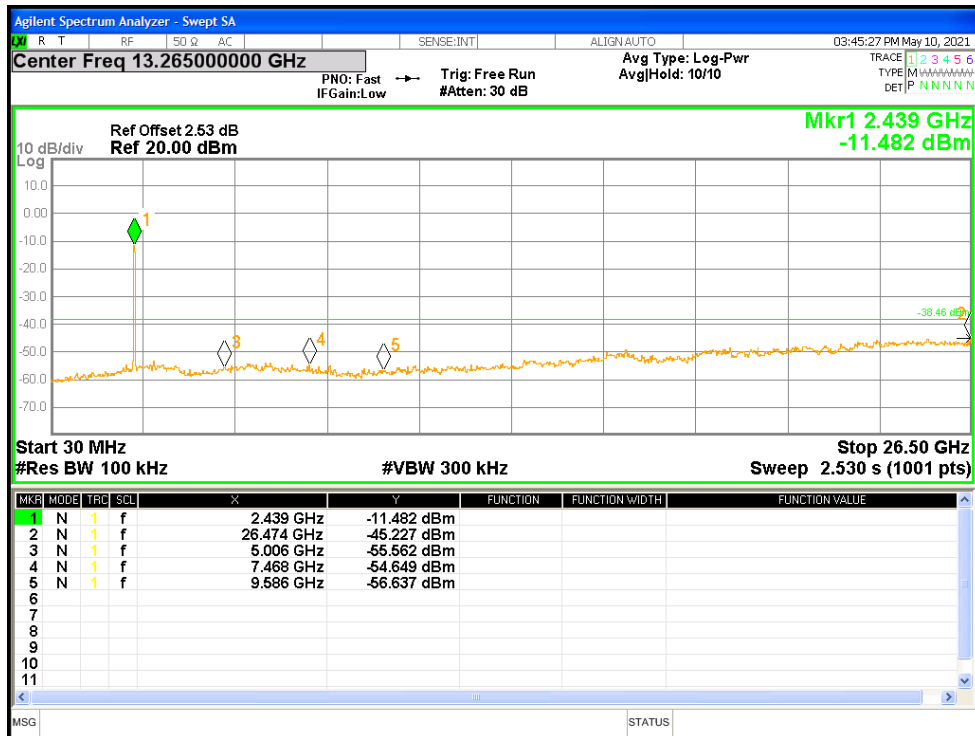
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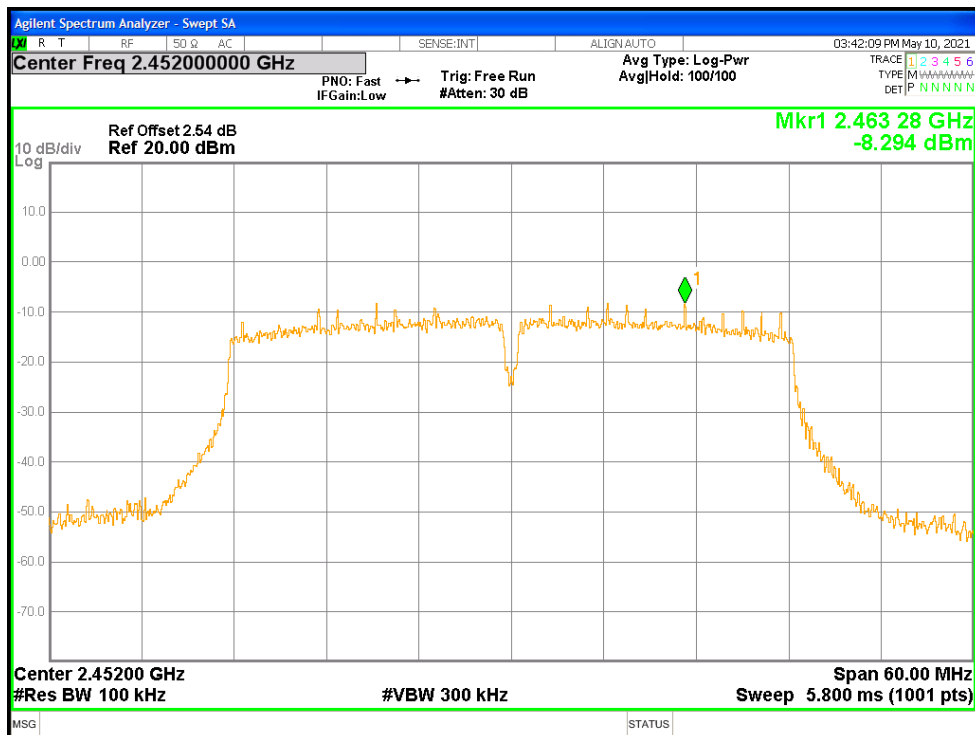
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

