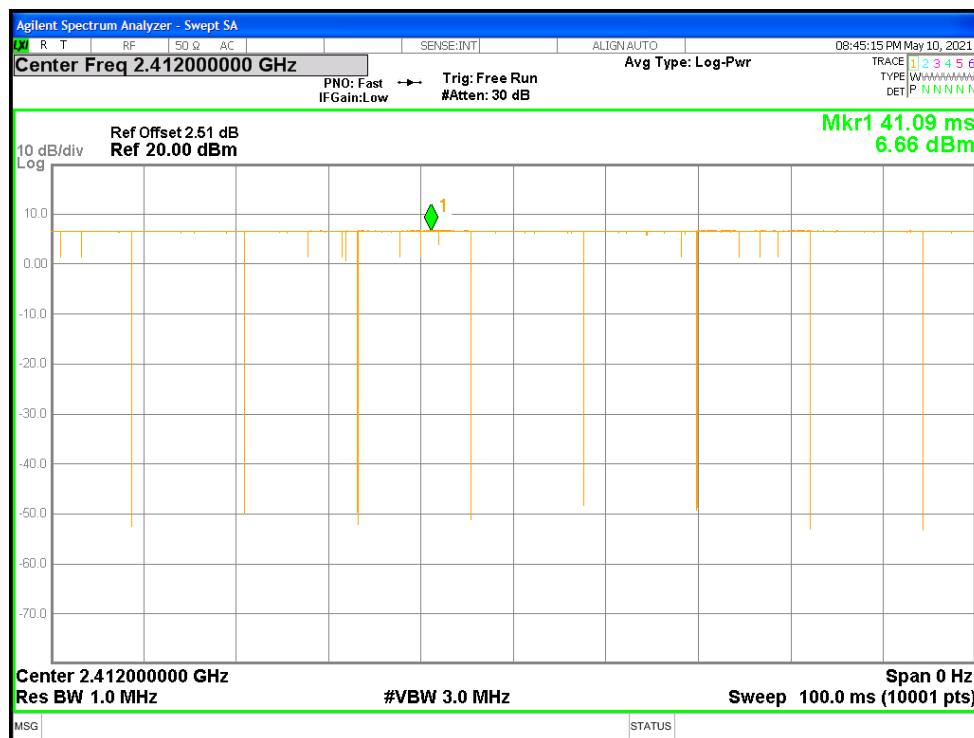


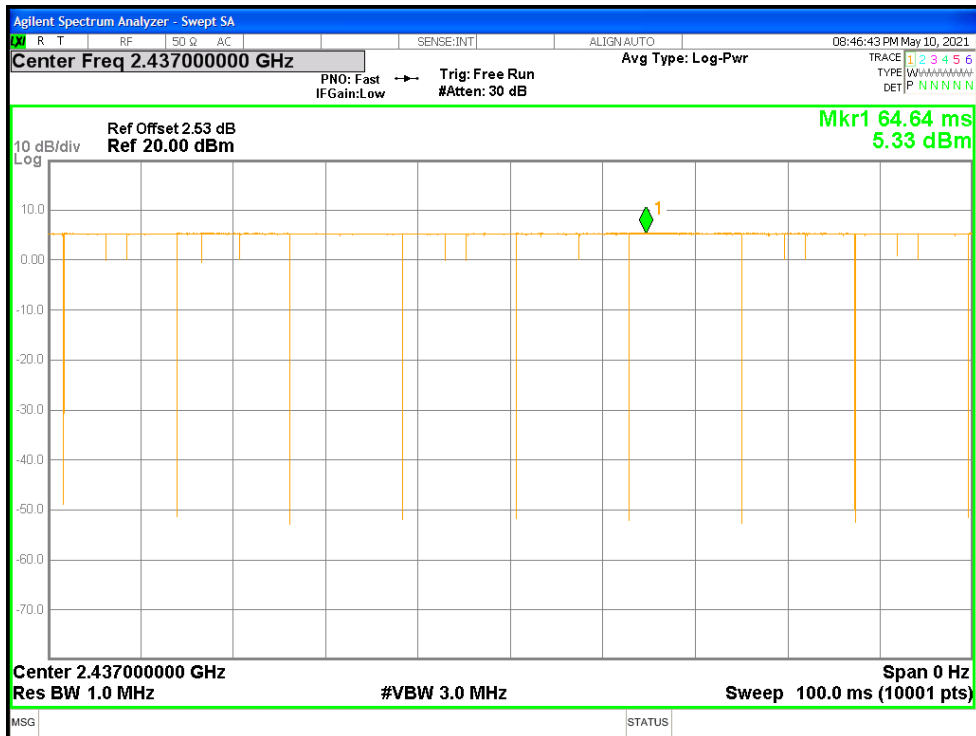
Appendix 1: WIFI RF TEST DATA
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Sum	99.87	0.01
NVNT	b	2437	Sum	99.88	0.01
NVNT	b	2462	Sum	99.86	0.01
NVNT	g	2412	Sum	99.26	0.03
NVNT	g	2437	Sum	99.26	0.03
NVNT	g	2462	Sum	99.26	0.03
NVNT	n20	2412	Sum	99.21	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	98.41	0.07
NVNT	n40	2452	Sum	98.42	0.07

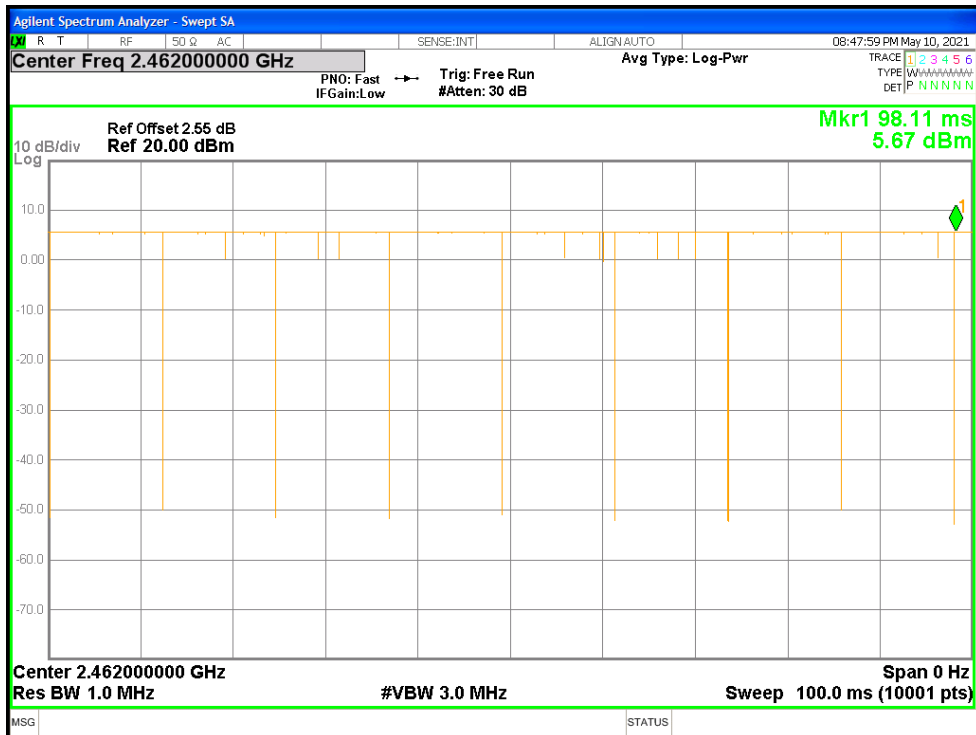
Duty Cycle NVNT b 2412MHz Sum



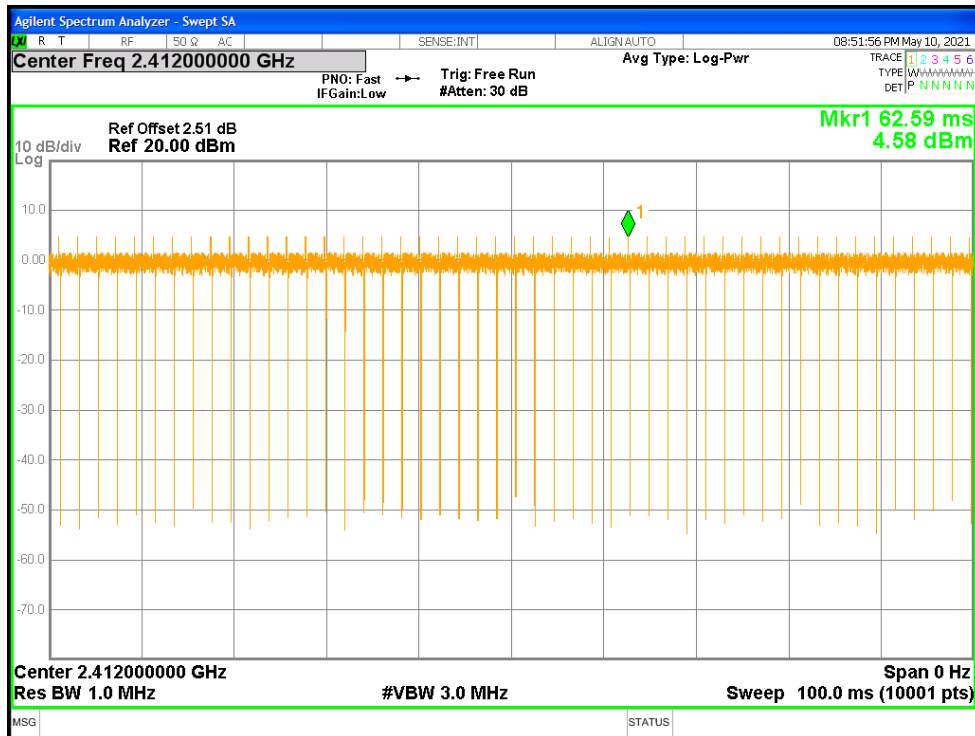
Duty Cycle NVNT b 2437MHz Sum



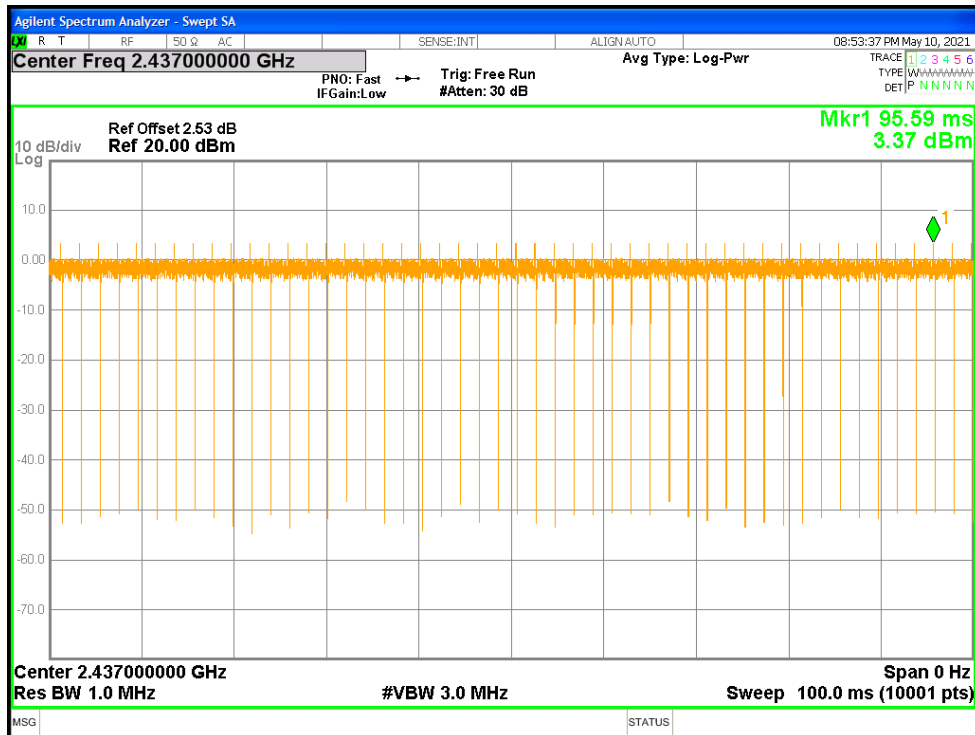
Duty Cycle NVNT b 2462MHz Sum



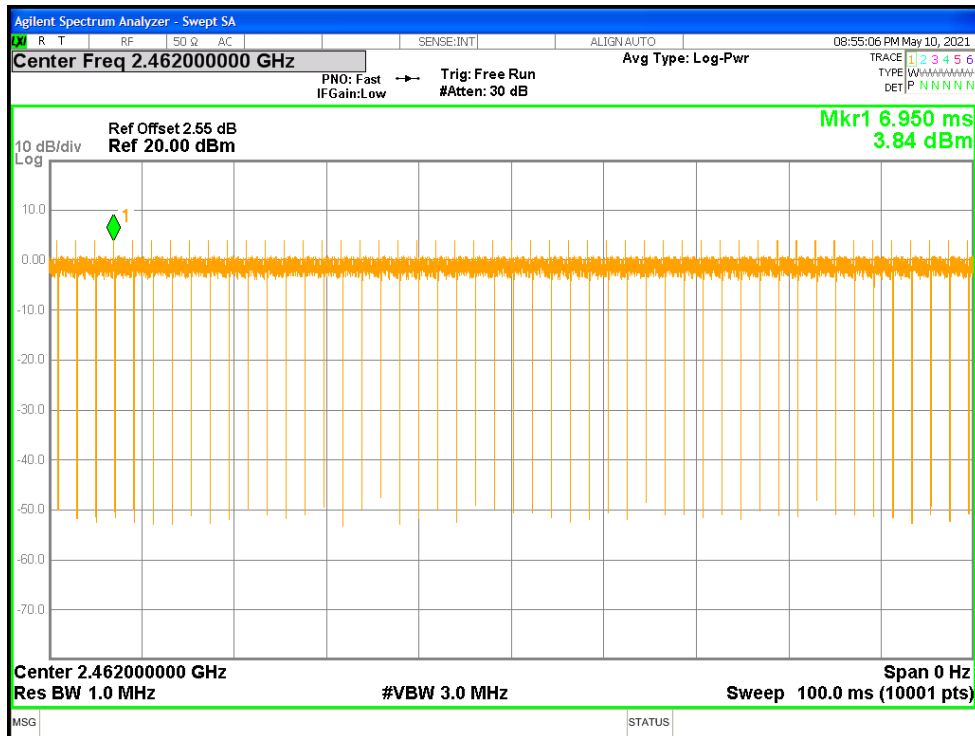
Duty Cycle NVNT g 2412MHz Sum



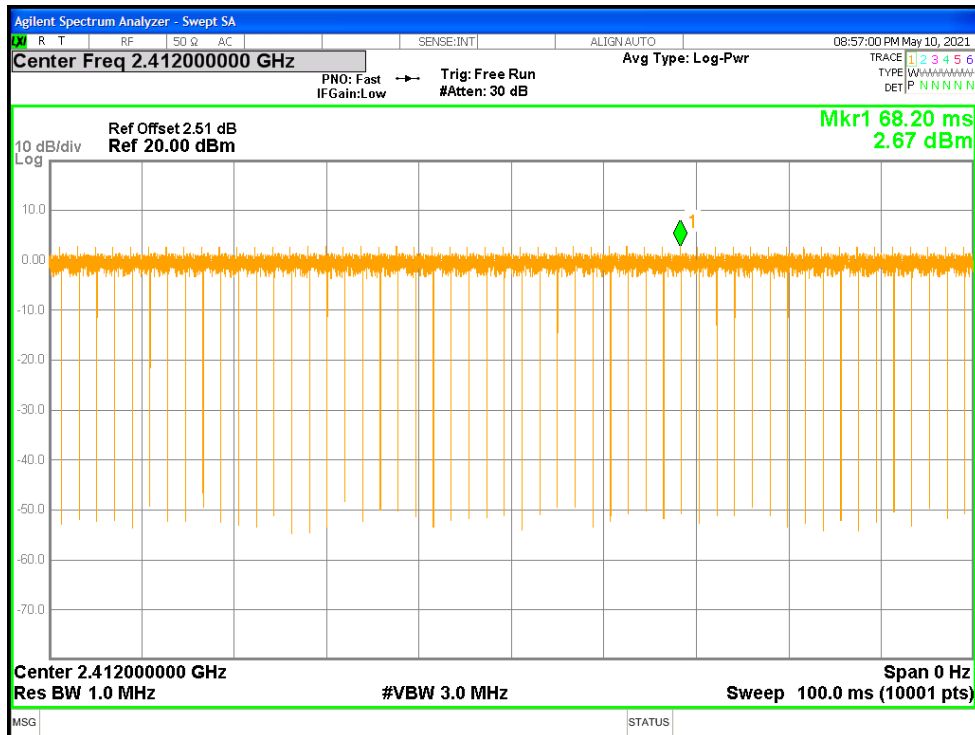
Duty Cycle NVNT g 2437MHz Sum



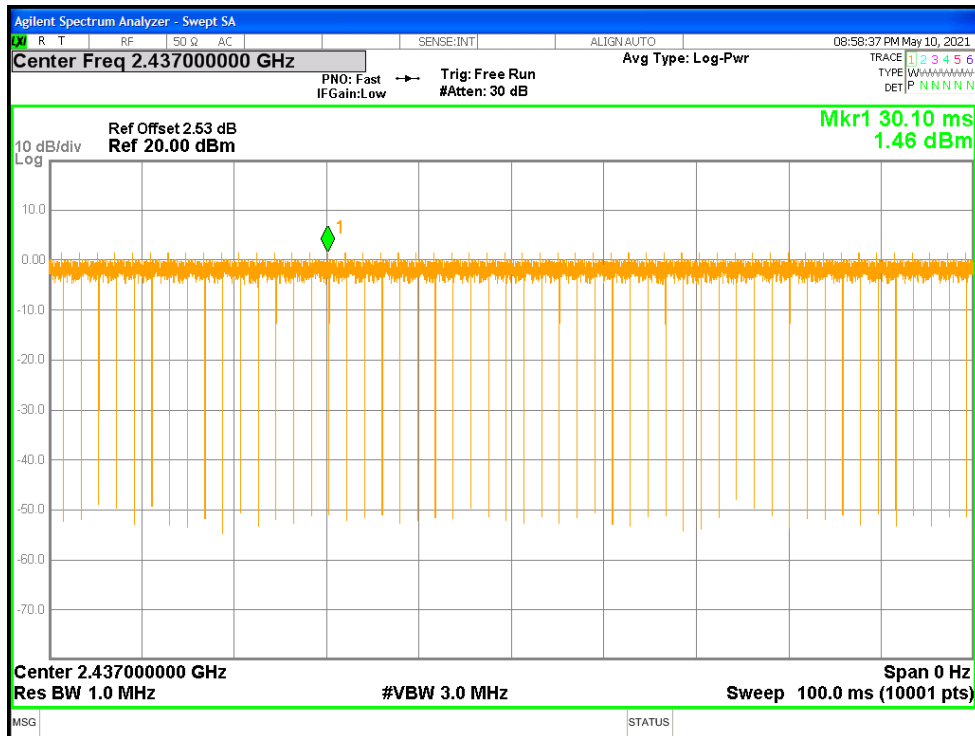
Duty Cycle NVNT g 2462MHz Sum



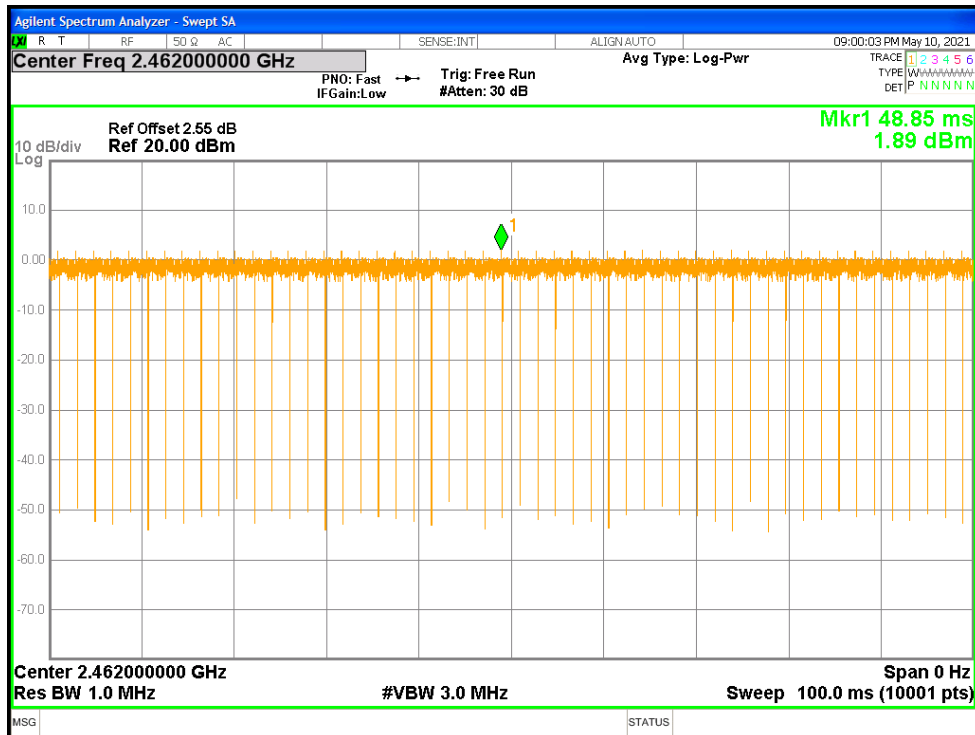
Duty Cycle NVNT n20 2412MHz Sum



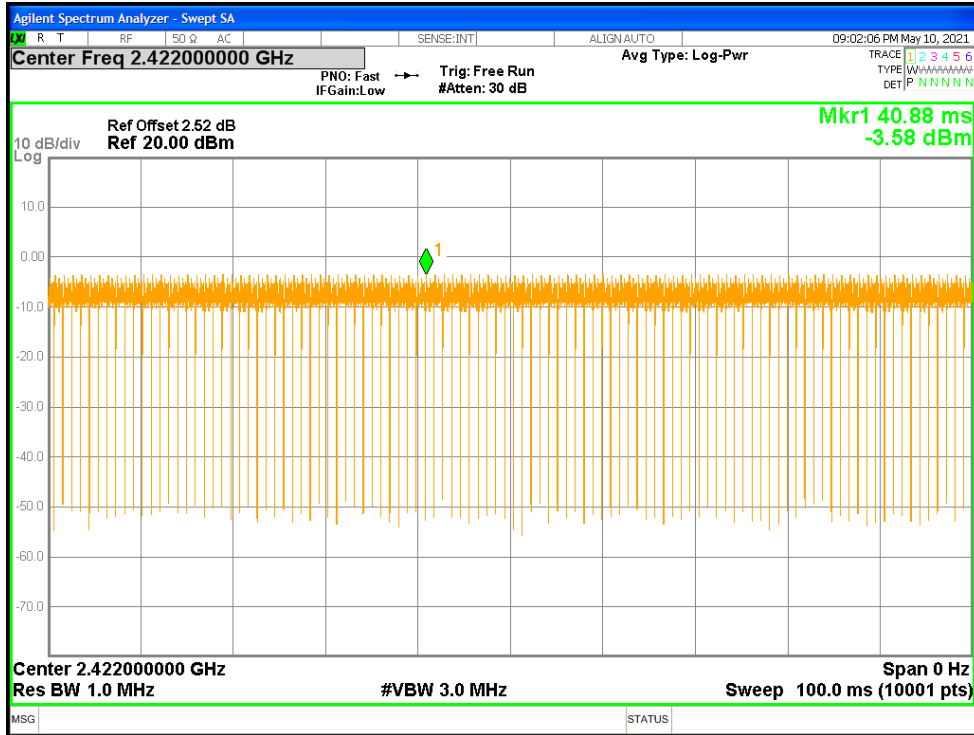
Duty Cycle NVNT n20 2437MHz Sum



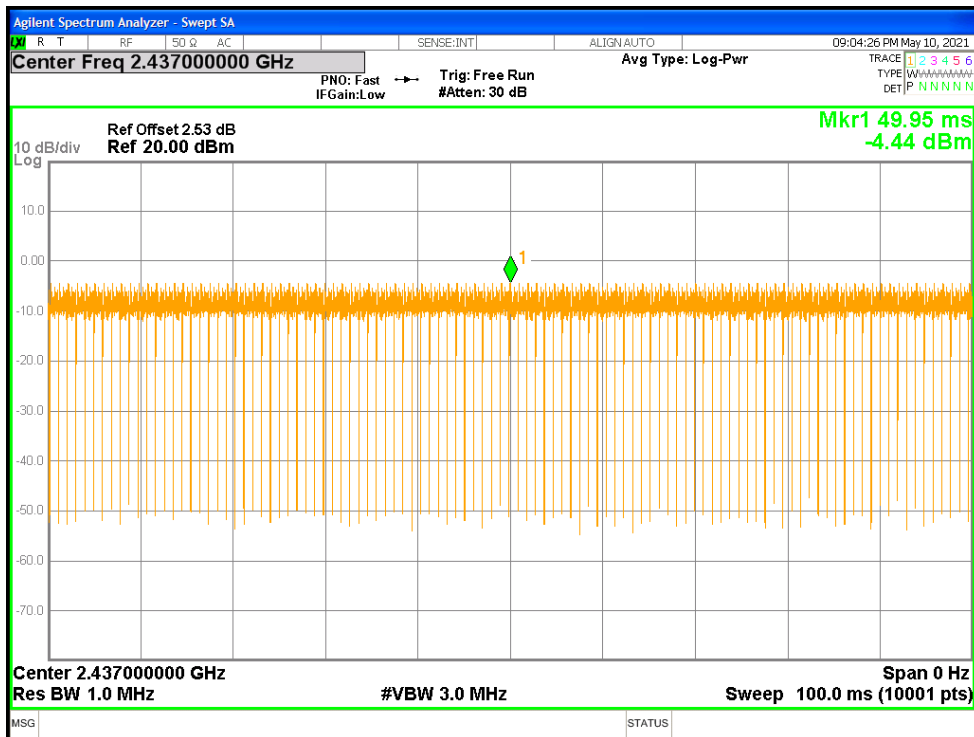
Duty Cycle NVNT n20 2462MHz Sum



Duty Cycle NVNT n40 2422MHz Sum



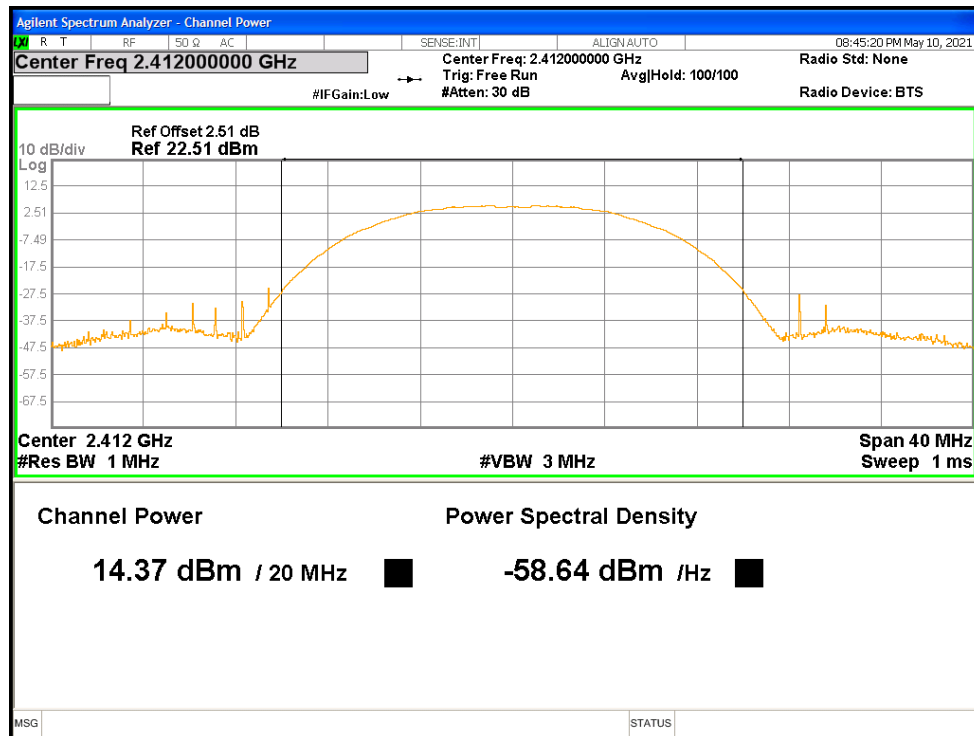
Duty Cycle NVNT n40 2437MHz Sum



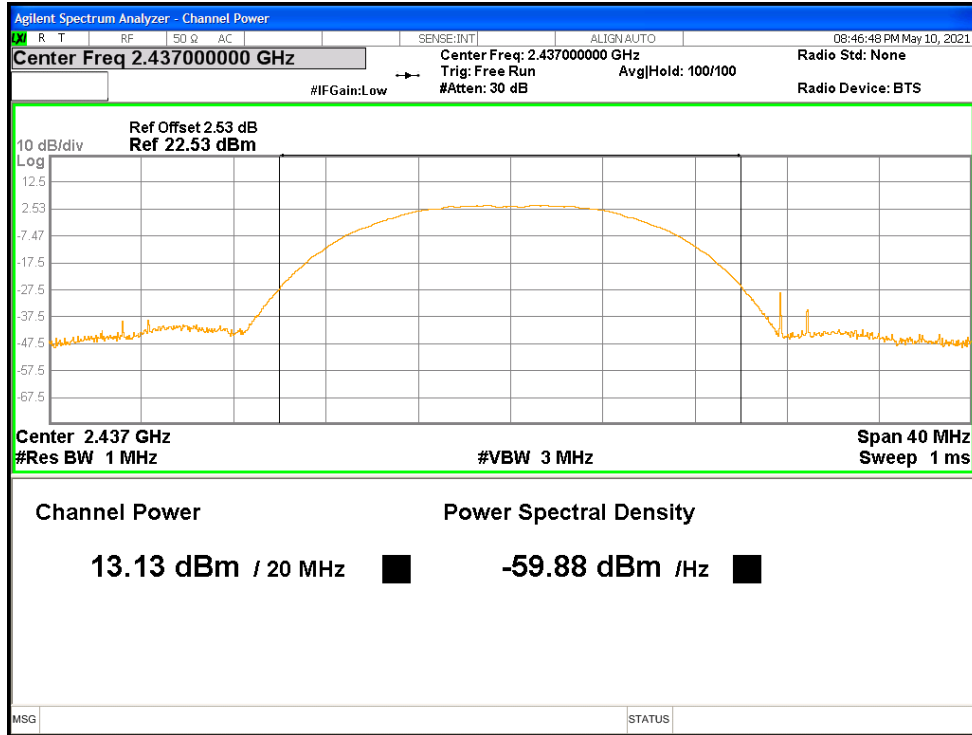
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.375	0.01	14.385	30	Pass
NVNT	b	2437	Ant1	13.127	0.01	13.137	30	Pass
NVNT	b	2462	Ant1	13.452	0.01	13.462	30	Pass
NVNT	g	2412	Ant1	11.086	0.03	11.116	30	Pass
NVNT	g	2437	Ant1	10.01	0.03	10.04	30	Pass
NVNT	g	2462	Ant1	10.35	0.03	10.38	30	Pass
NVNT	n20	2412	Ant1	10.979	0.03	11.009	30	Pass
NVNT	n20	2437	Ant1	9.931	0.03	9.961	30	Pass
NVNT	n20	2462	Ant1	10.281	0.03	10.311	30	Pass
NVNT	n40	2422	Ant1	10.811	0.07	10.881	30	Pass
NVNT	n40	2437	Ant1	10.223	0.07	10.293	30	Pass
NVNT	n40	2452	Ant1	10.402	0.07	10.472	30	Pass

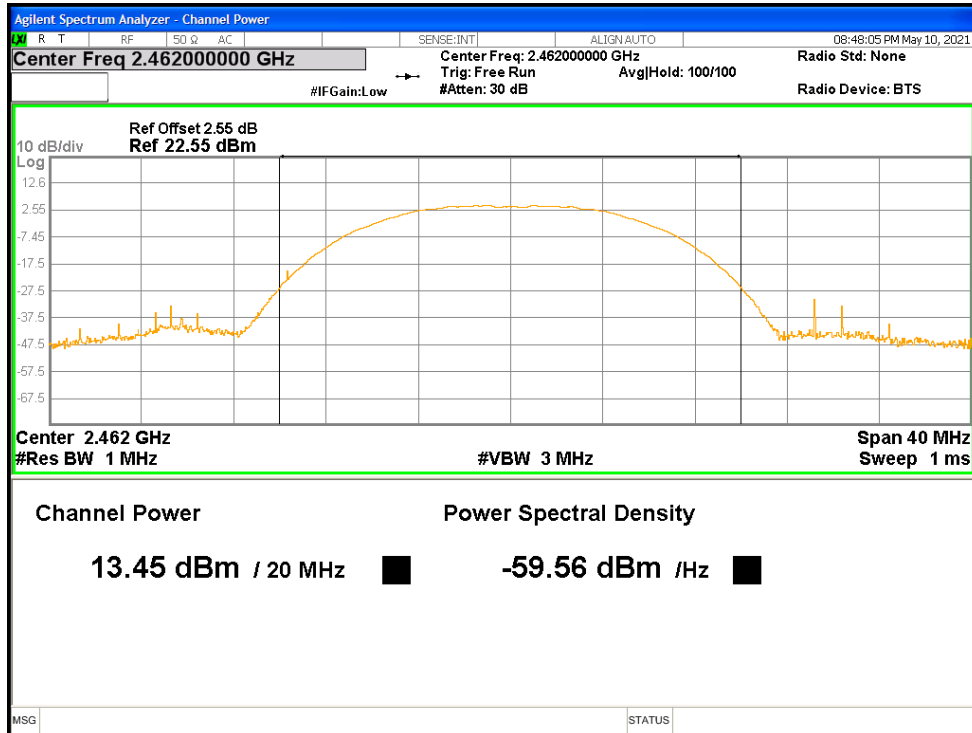
Power NVNT b 2412MHz Ant1



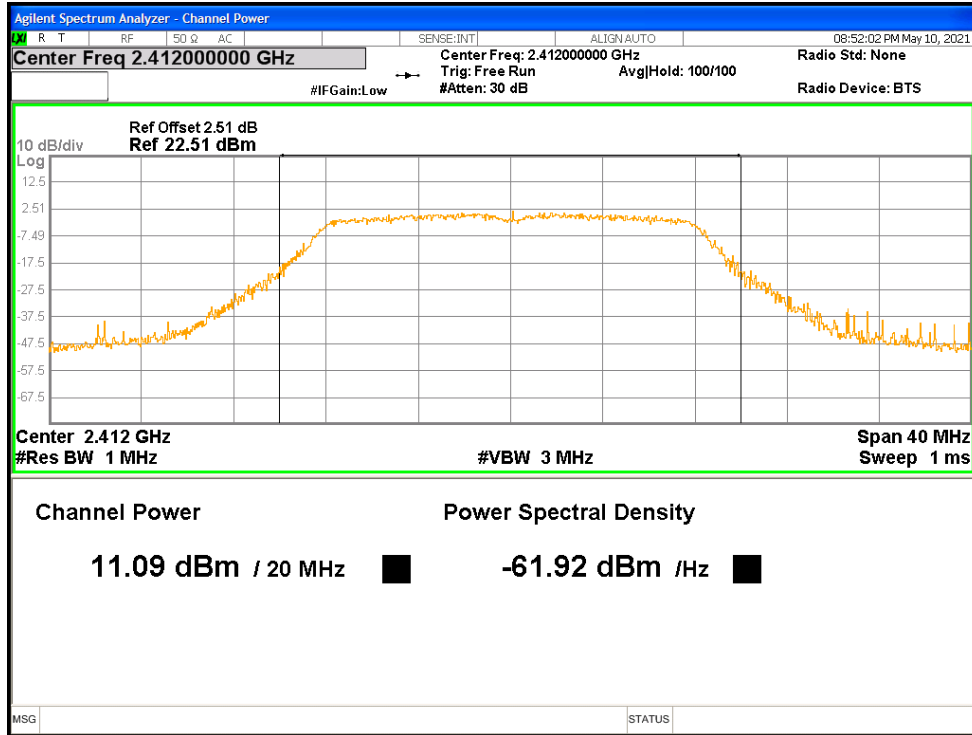
Power NVNT b 2437MHz Ant1



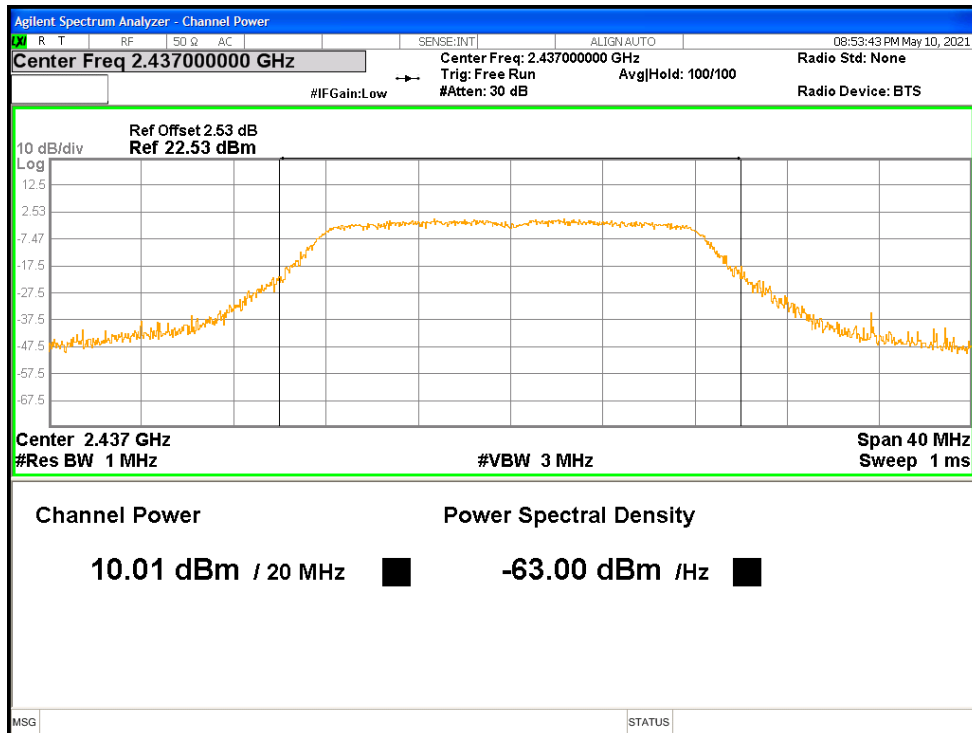
Power NVNT b 2462MHz Ant1



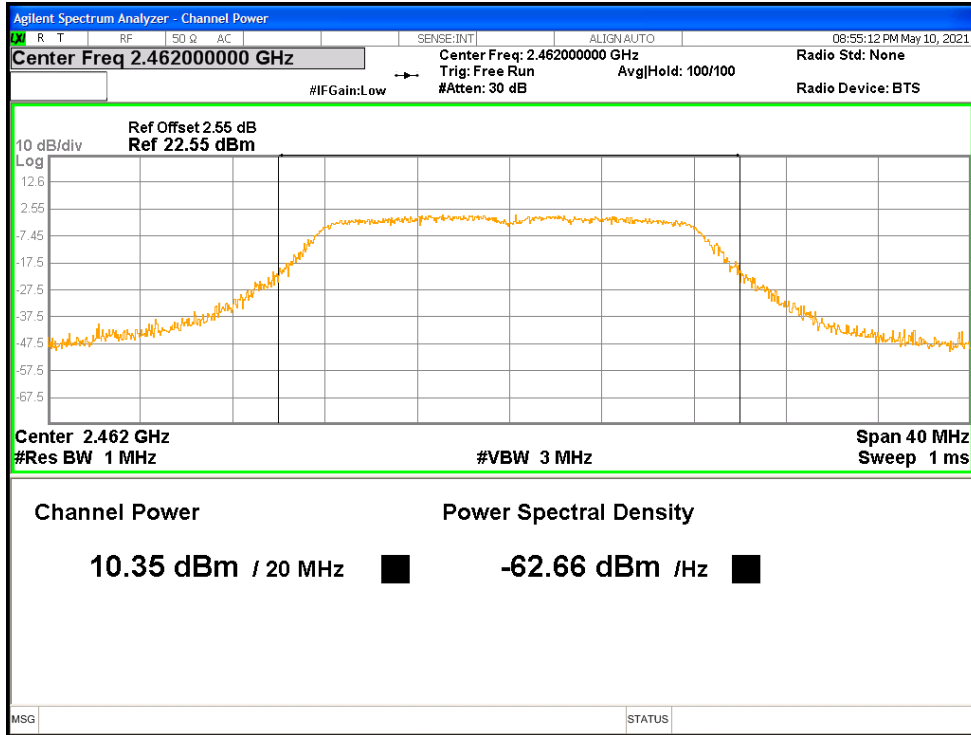
Power NVNT g 2412MHz Ant1



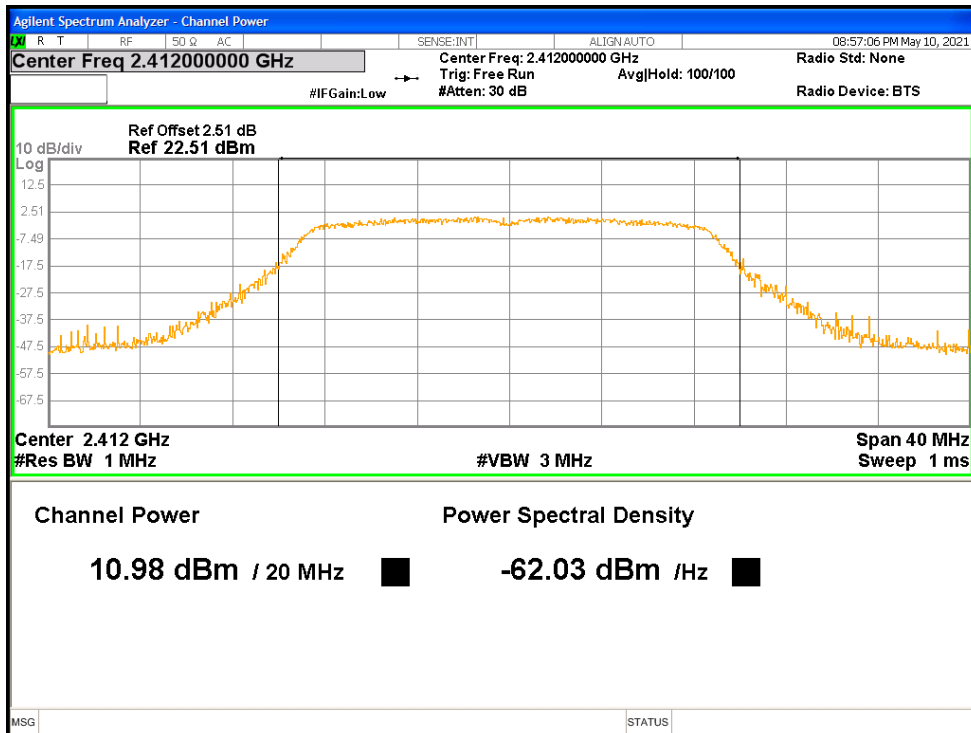
Power NVNT g 2437MHz Ant1



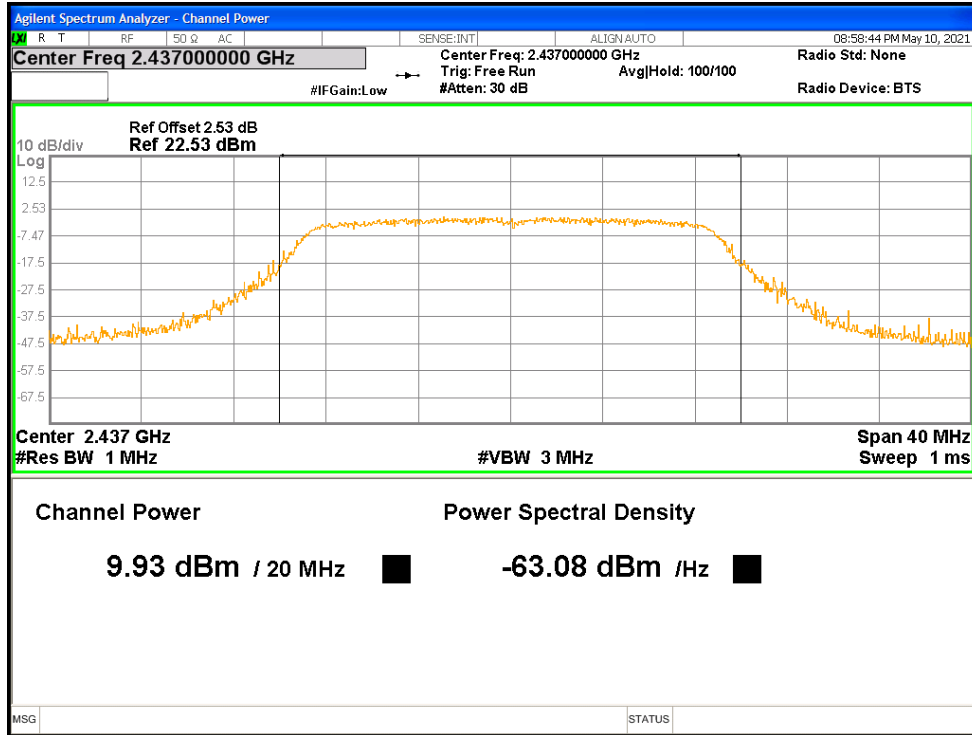
Power NVNT g 2462MHz Ant1



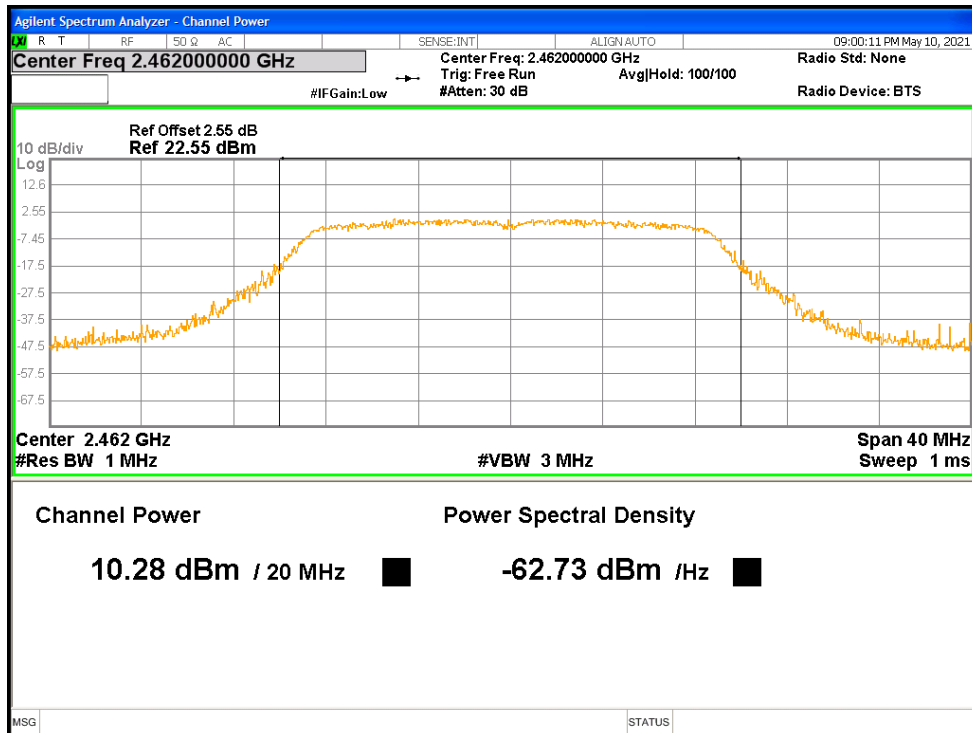
Power NVNT n20 2412MHz Ant1



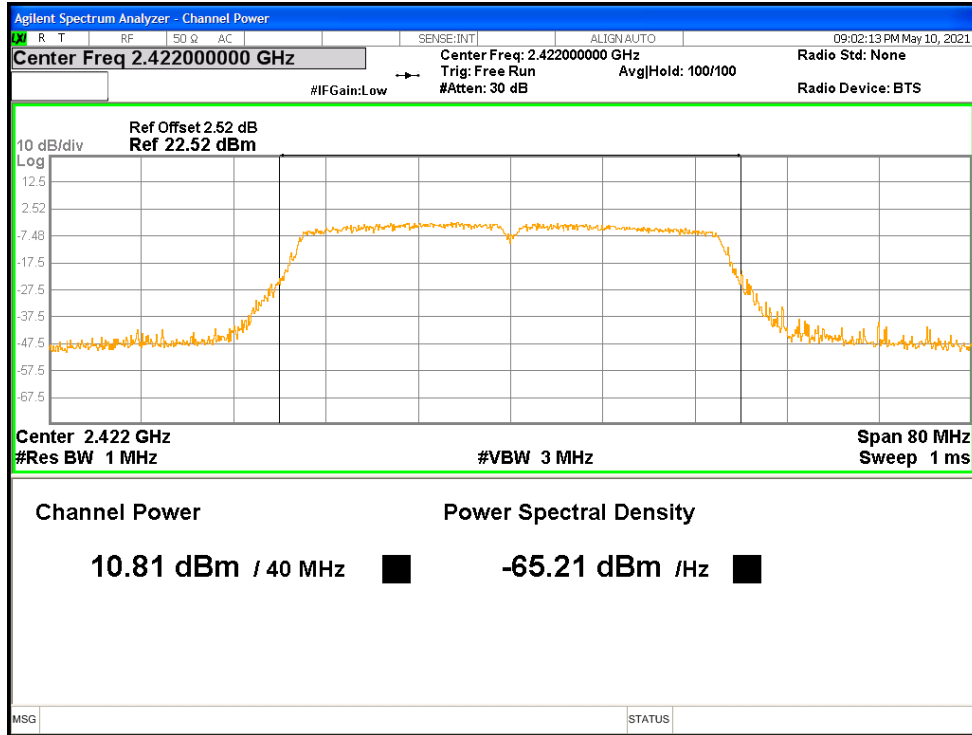
Power NVNT n20 2437MHz Ant1



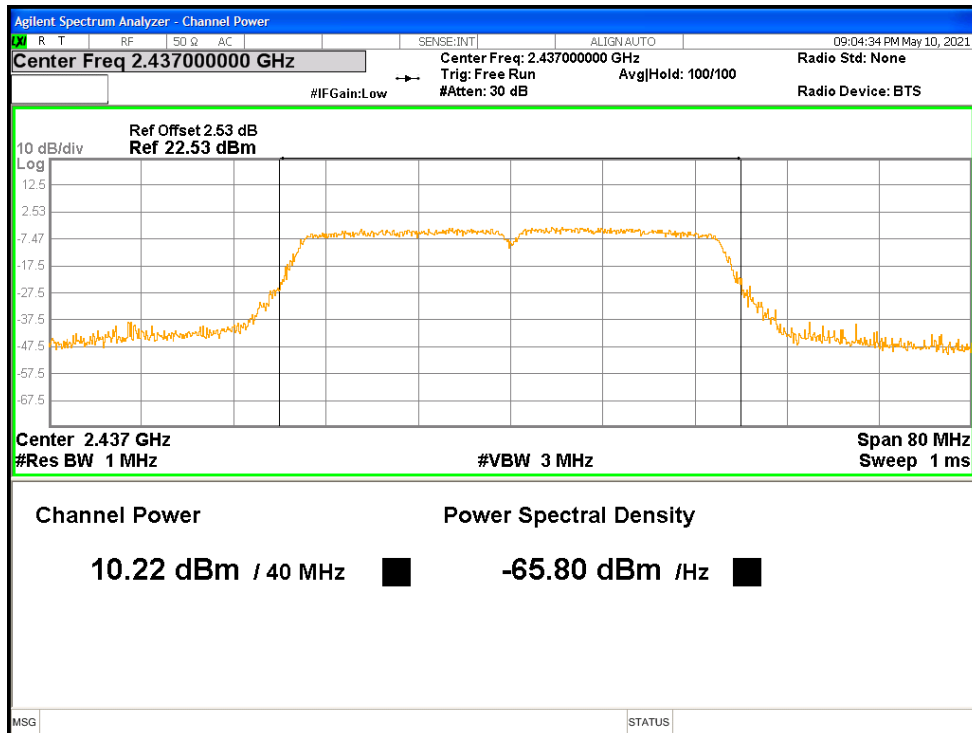
Power NVNT n20 2462MHz Ant1



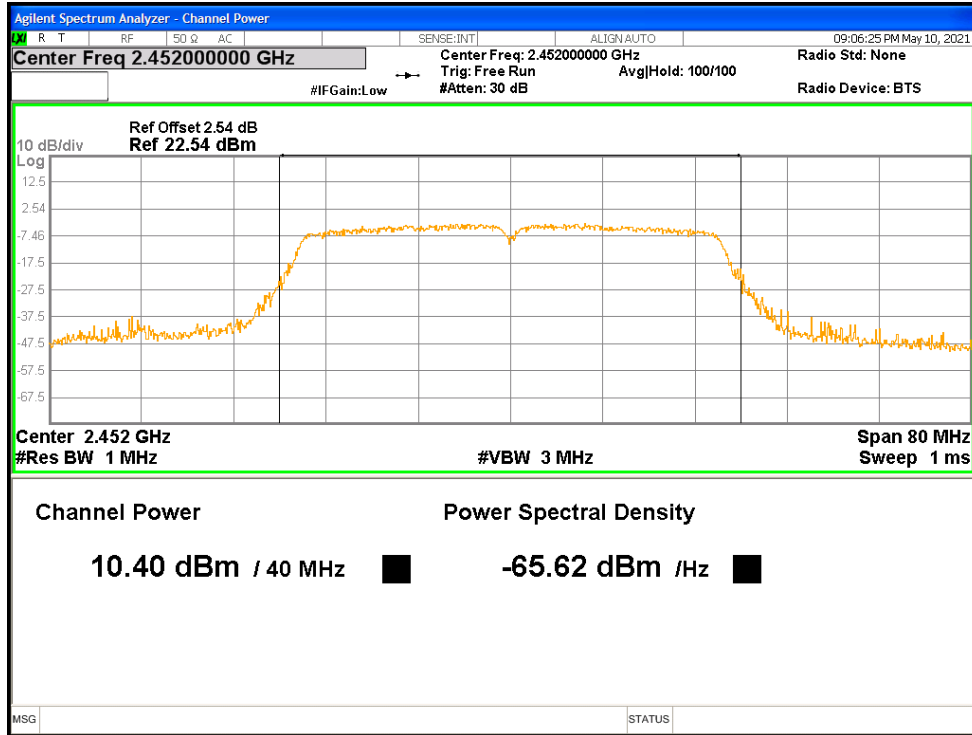
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



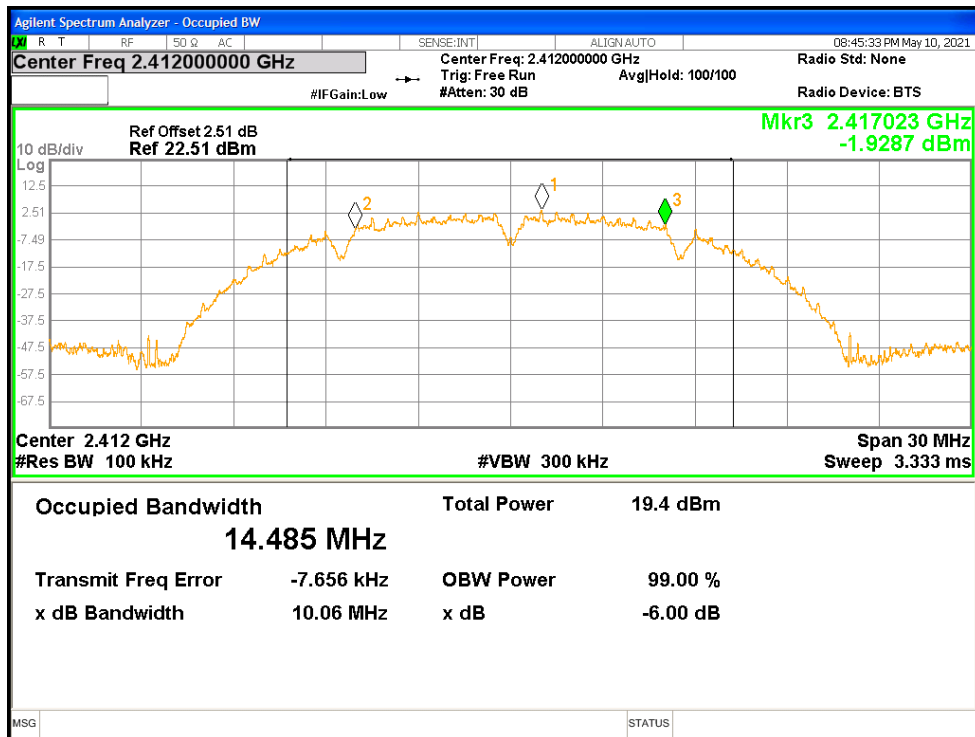
Power NVNT n40 2452MHz Ant1



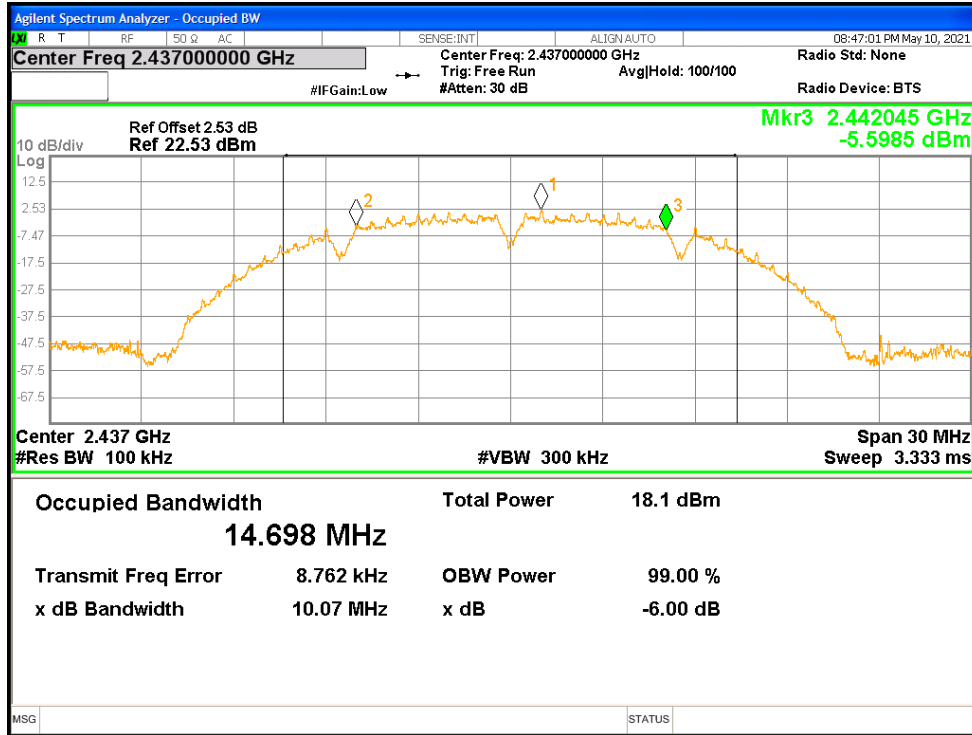
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	10.061	0.5	Pass
NVNT	b	2437	Ant1	10.072	0.5	Pass
NVNT	b	2462	Ant1	10.07	0.5	Pass
NVNT	g	2412	Ant1	15.295	0.5	Pass
NVNT	g	2437	Ant1	15.525	0.5	Pass
NVNT	g	2462	Ant1	15.913	0.5	Pass
NVNT	n20	2412	Ant1	15.881	0.5	Pass
NVNT	n20	2437	Ant1	16.535	0.5	Pass
NVNT	n20	2462	Ant1	16.664	0.5	Pass
NVNT	n40	2422	Ant1	35.096	0.5	Pass
NVNT	n40	2437	Ant1	35.466	0.5	Pass
NVNT	n40	2452	Ant1	32.538	0.5	Pass

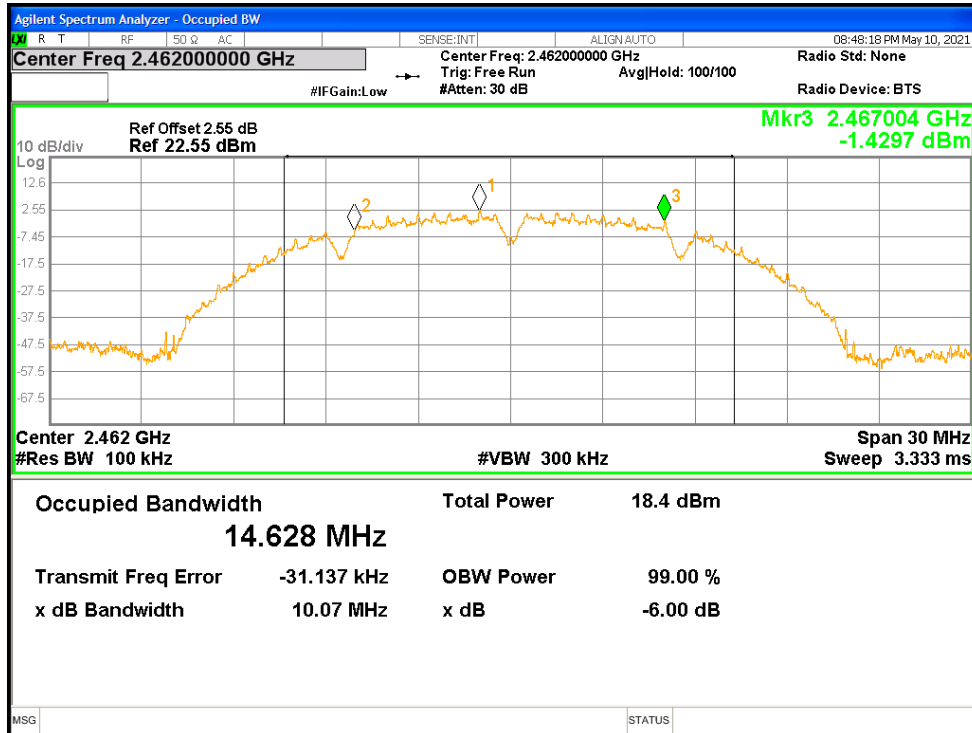
-6dB Bandwidth NVNT b 2412MHz Ant1



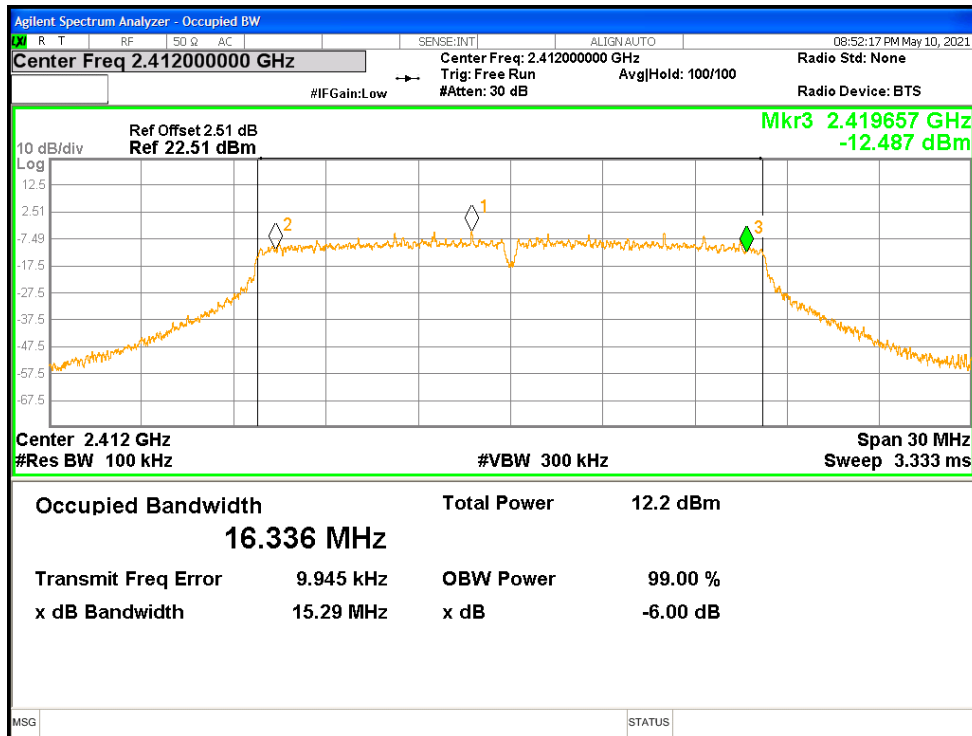
-6dB Bandwidth NVNT b 2437MHz Ant1



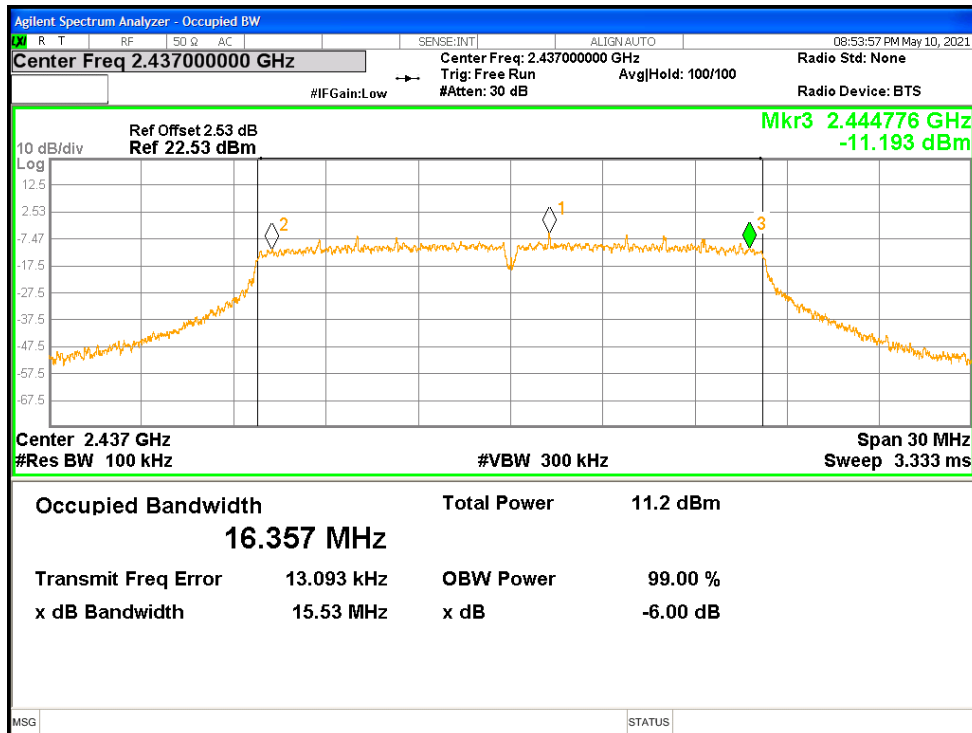
-6dB Bandwidth NVNT b 2462MHz Ant1



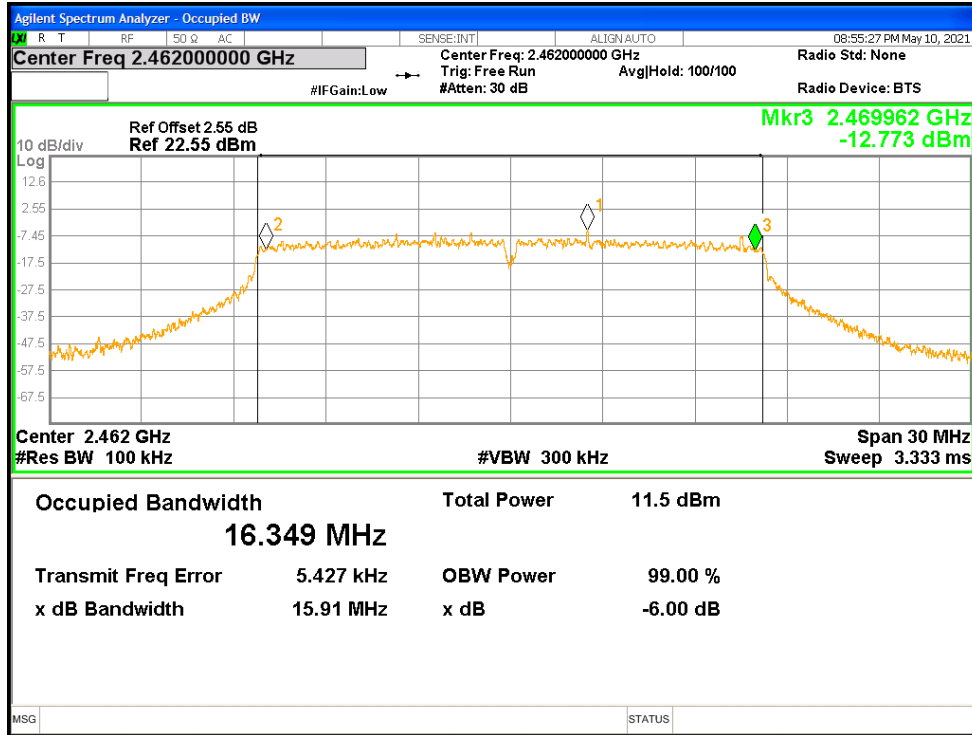
-6dB Bandwidth NVNT g 2412MHz Ant1



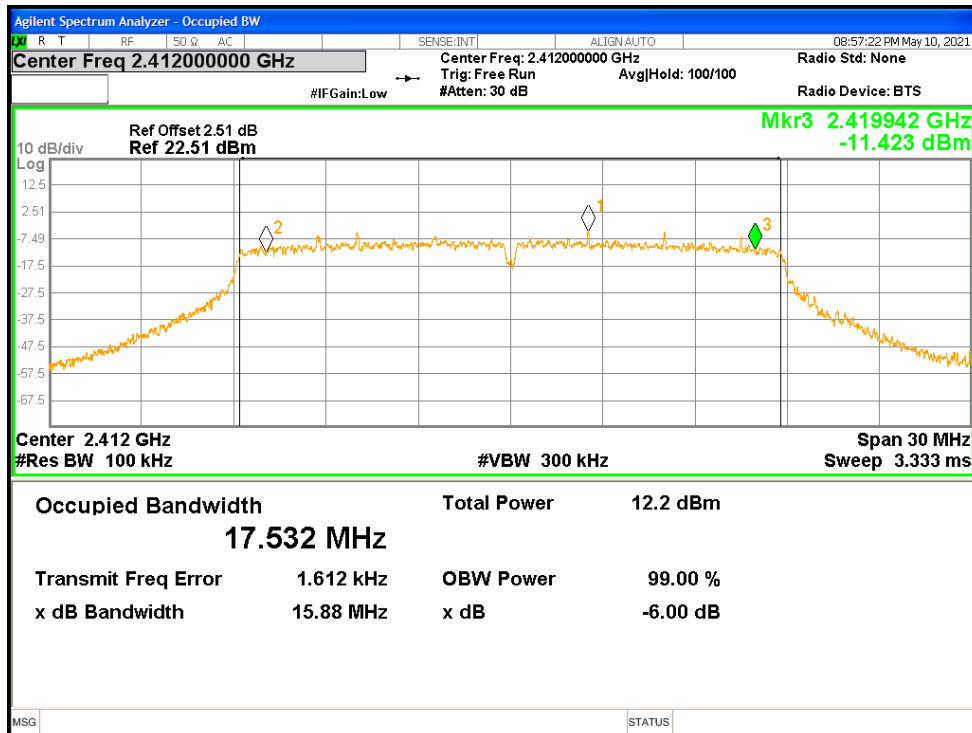
-6dB Bandwidth NVNT g 2437MHz Ant1



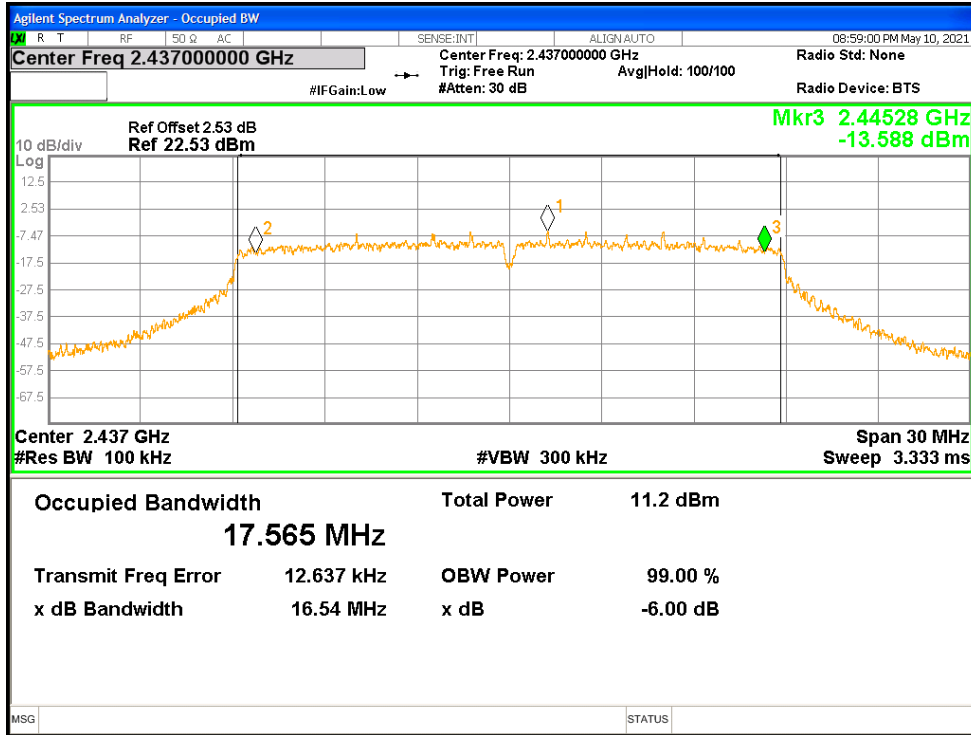
-6dB Bandwidth NVNT g 2462MHz Ant1



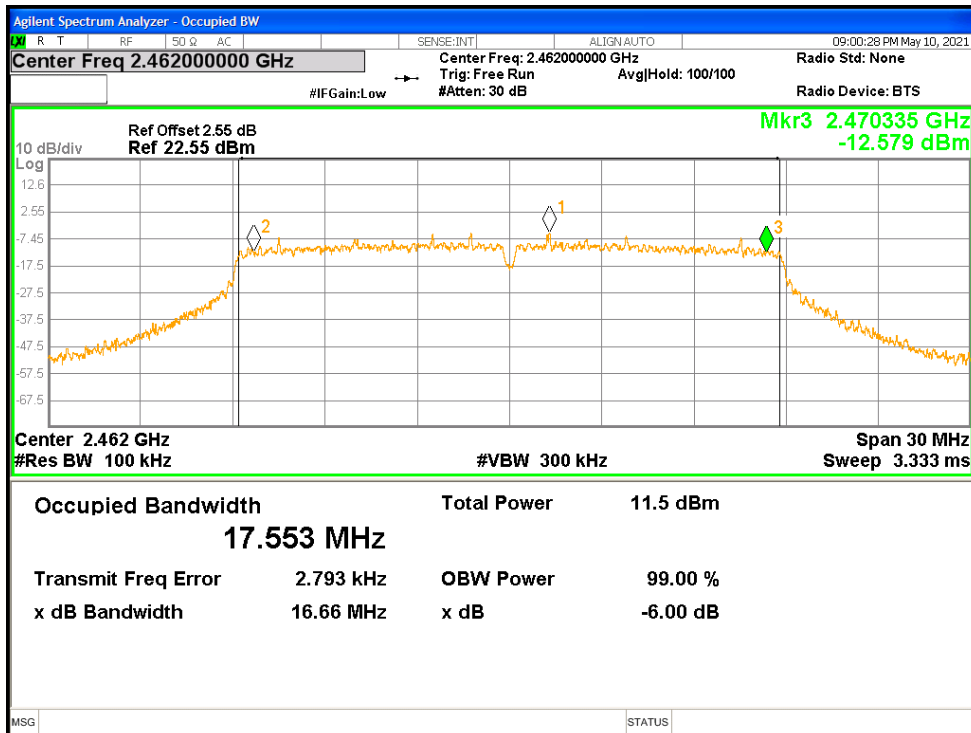
-6dB Bandwidth NVNT n20 2412MHz Ant1



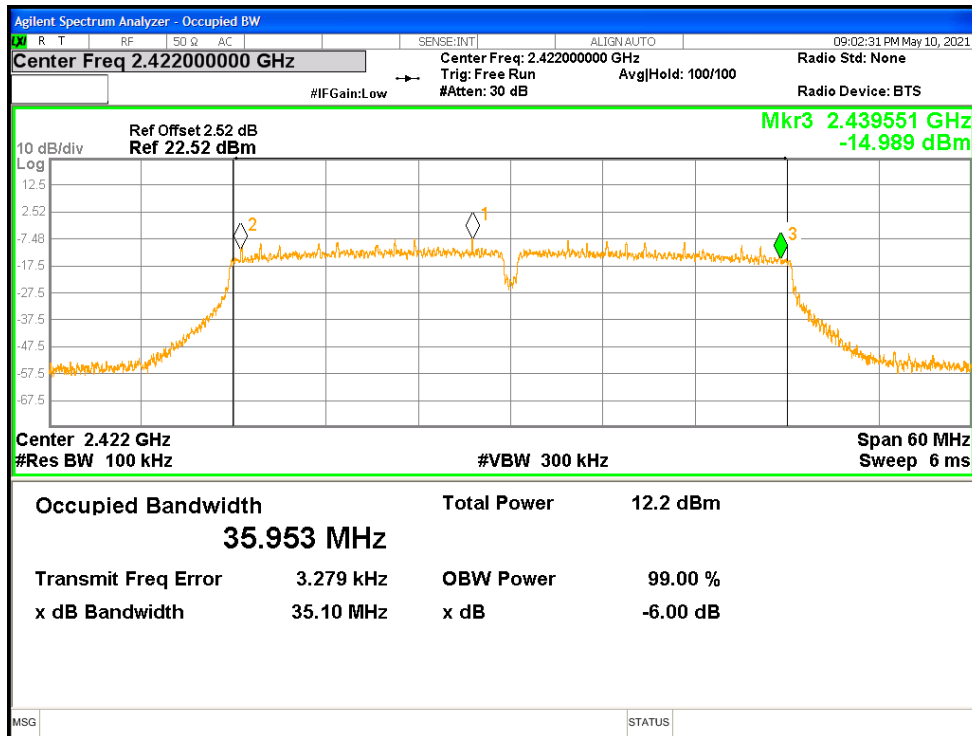
-6dB Bandwidth NVNT n20 2437MHz Ant1



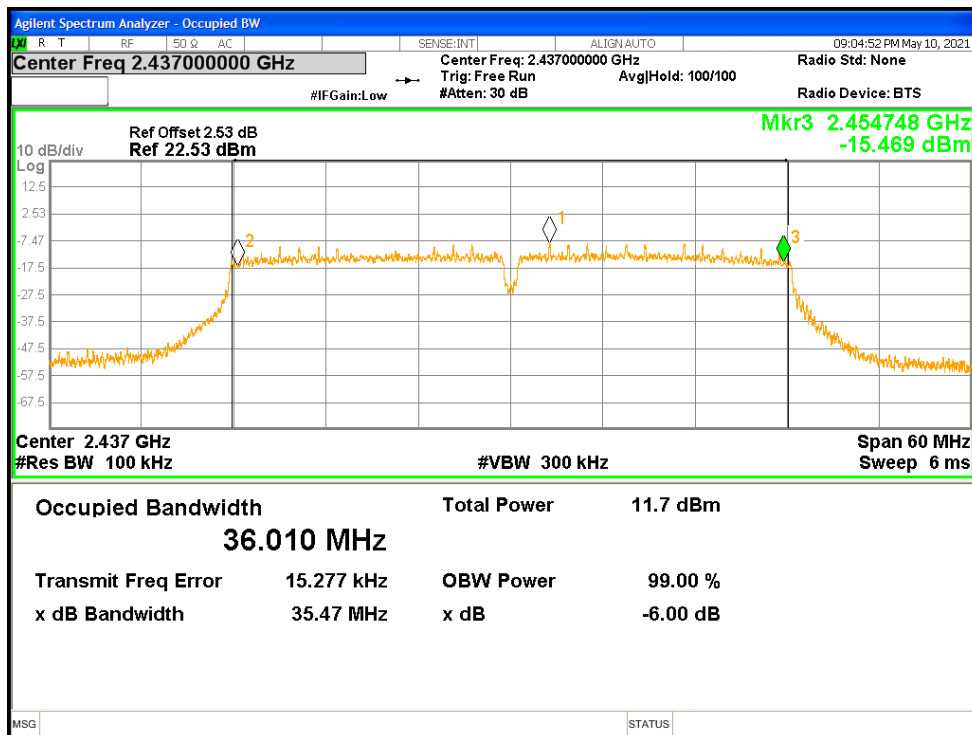
-6dB Bandwidth NVNT n20 2462MHz Ant1



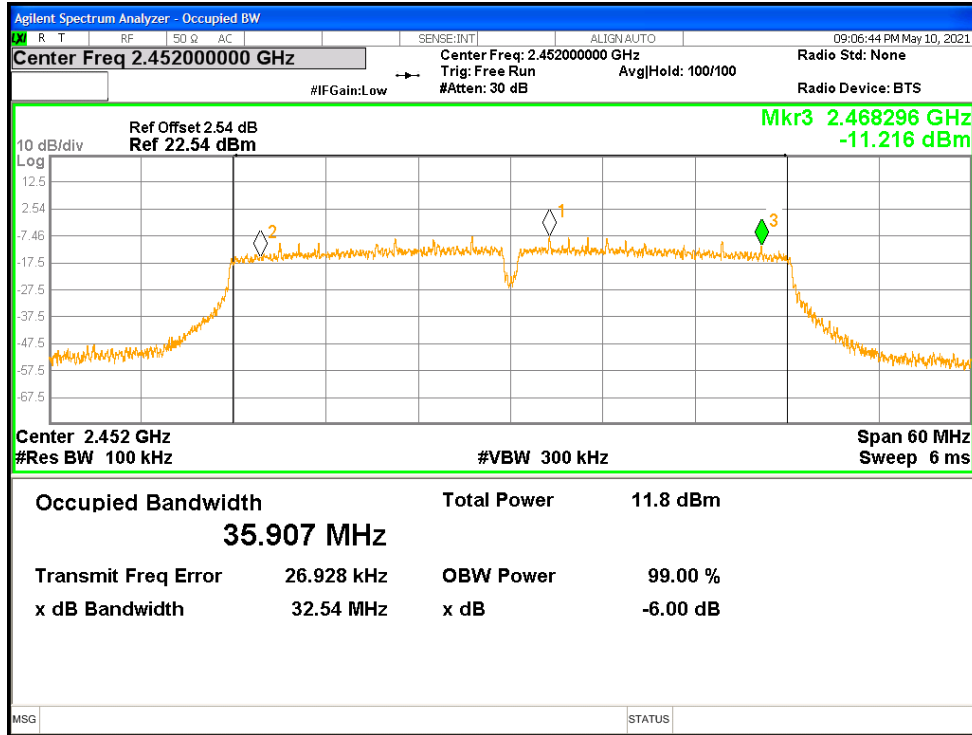
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



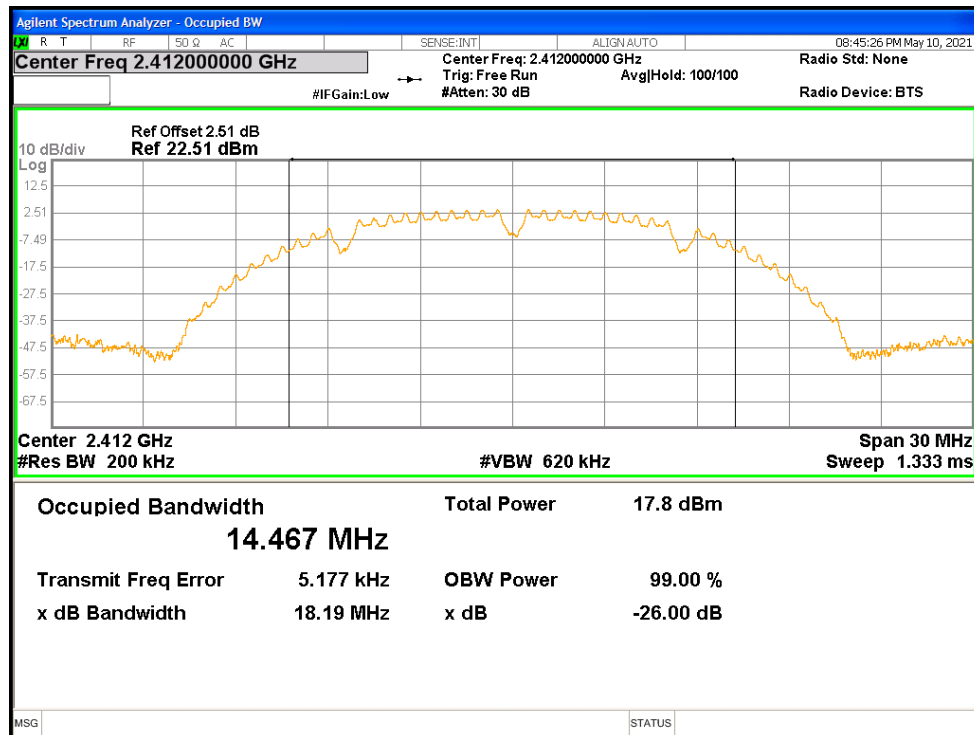
-6dB Bandwidth NVNT n40 2452MHz Ant1



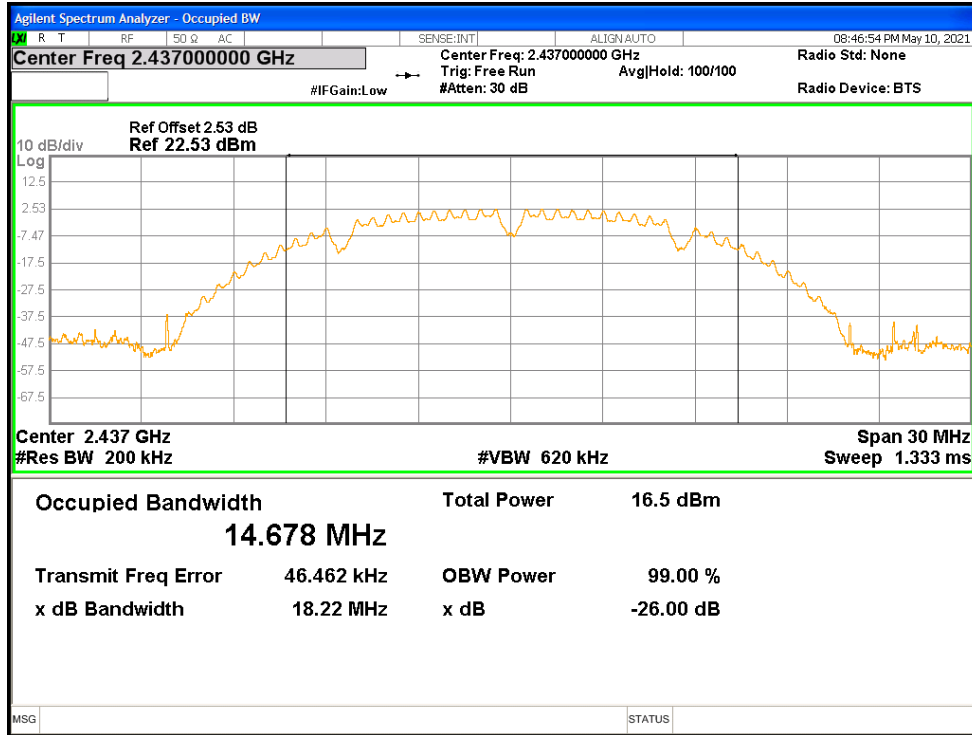
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.46663739
NVNT	b	2437	Ant1	14.67794875
NVNT	b	2462	Ant1	14.63635899
NVNT	g	2412	Ant1	16.37619952
NVNT	g	2437	Ant1	16.41816491
NVNT	g	2462	Ant1	16.39077628
NVNT	n20	2412	Ant1	17.56153388
NVNT	n20	2437	Ant1	17.60481775
NVNT	n20	2462	Ant1	17.5940196
NVNT	n40	2422	Ant1	36.10460677
NVNT	n40	2437	Ant1	36.18300971
NVNT	n40	2452	Ant1	36.05546138

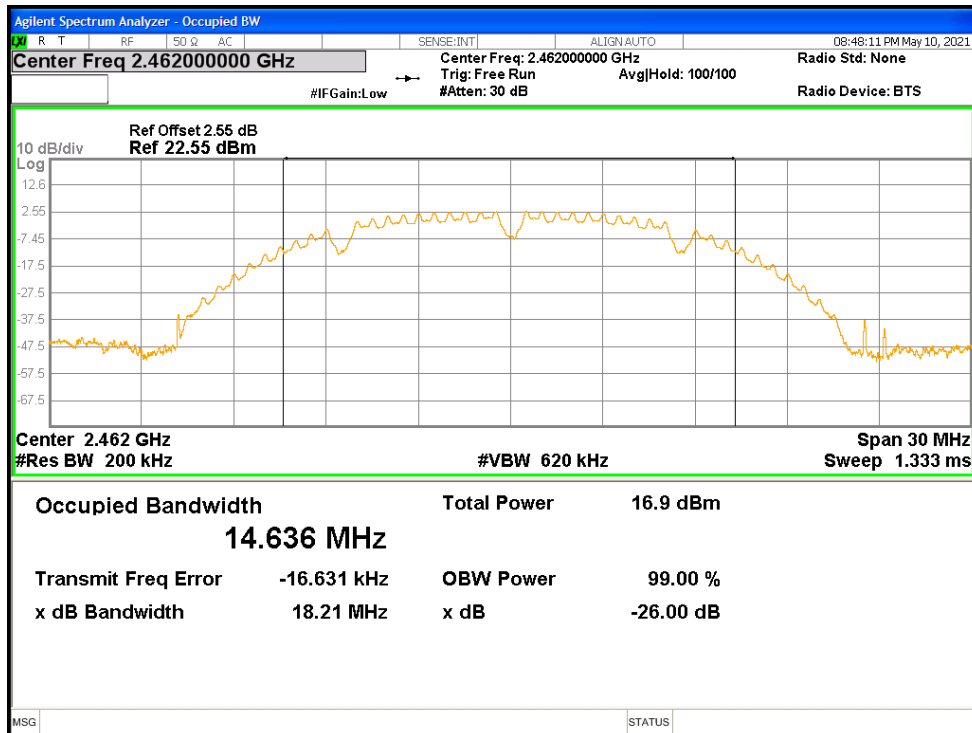
OBW NVNT b 2412MHz Ant1



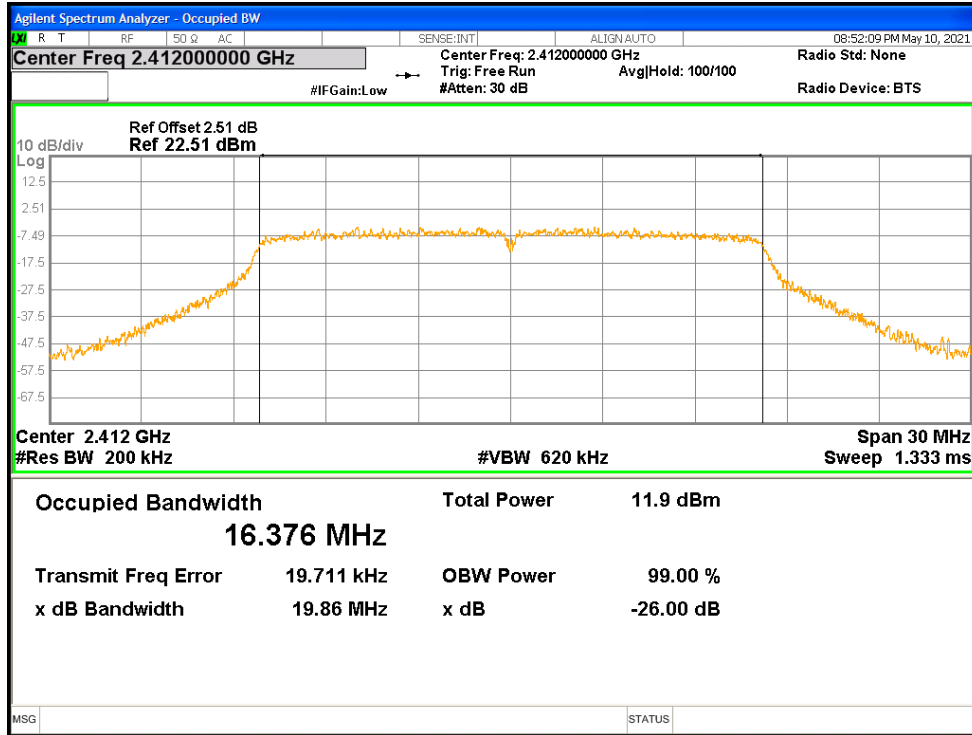
OBW NVNT b 2437MHz Ant1



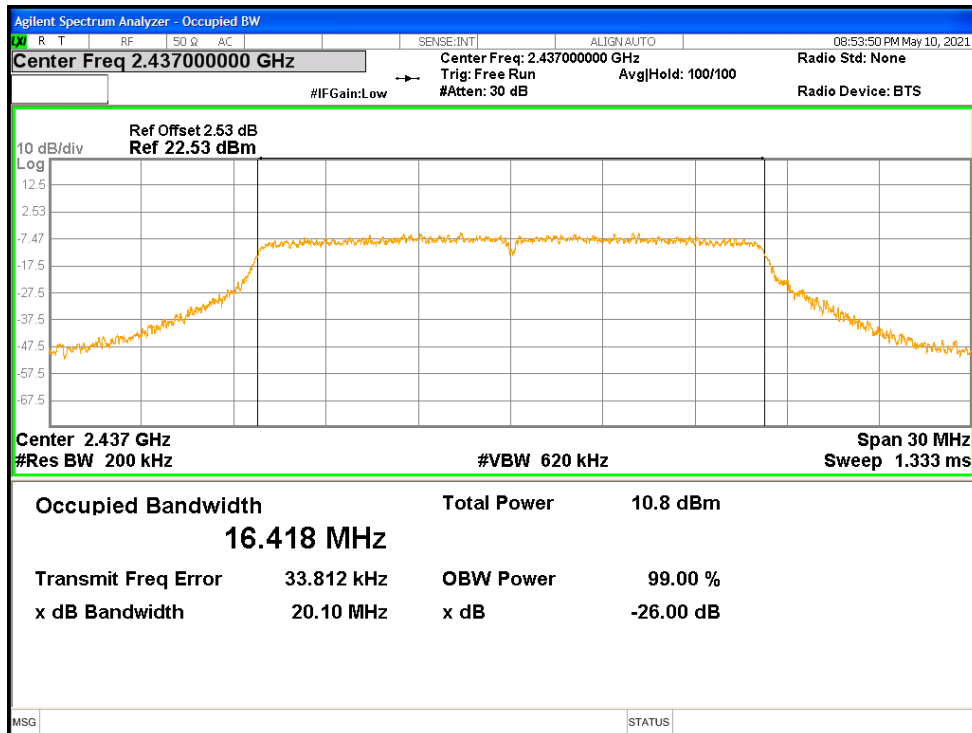
OBW NVNT b 2462MHz Ant1



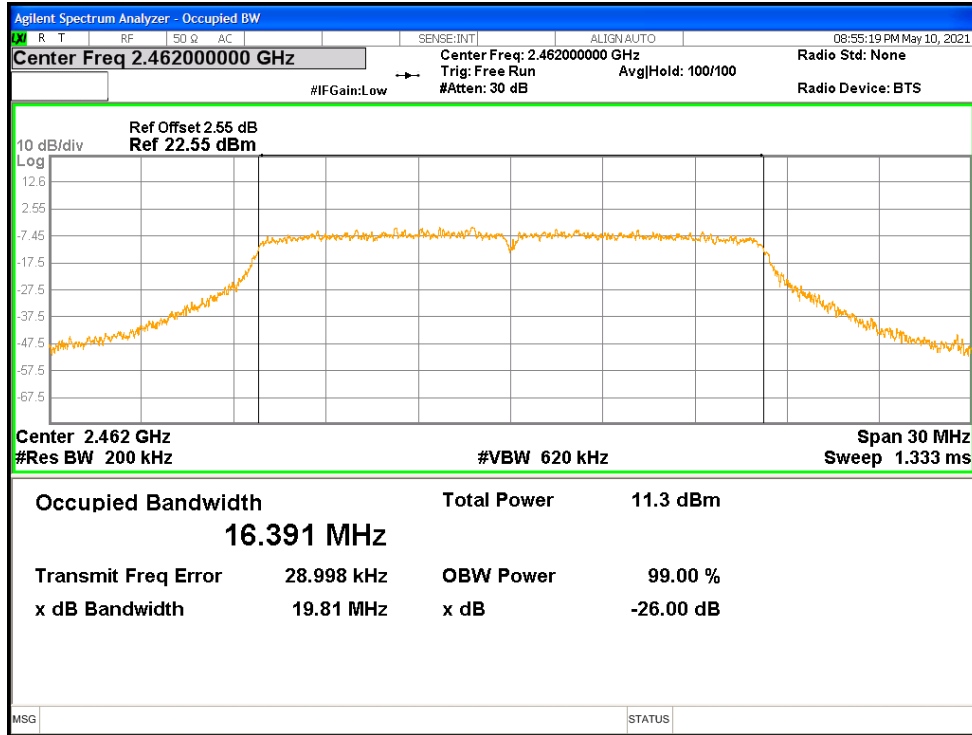
OBW NVNT g 2412MHz Ant1



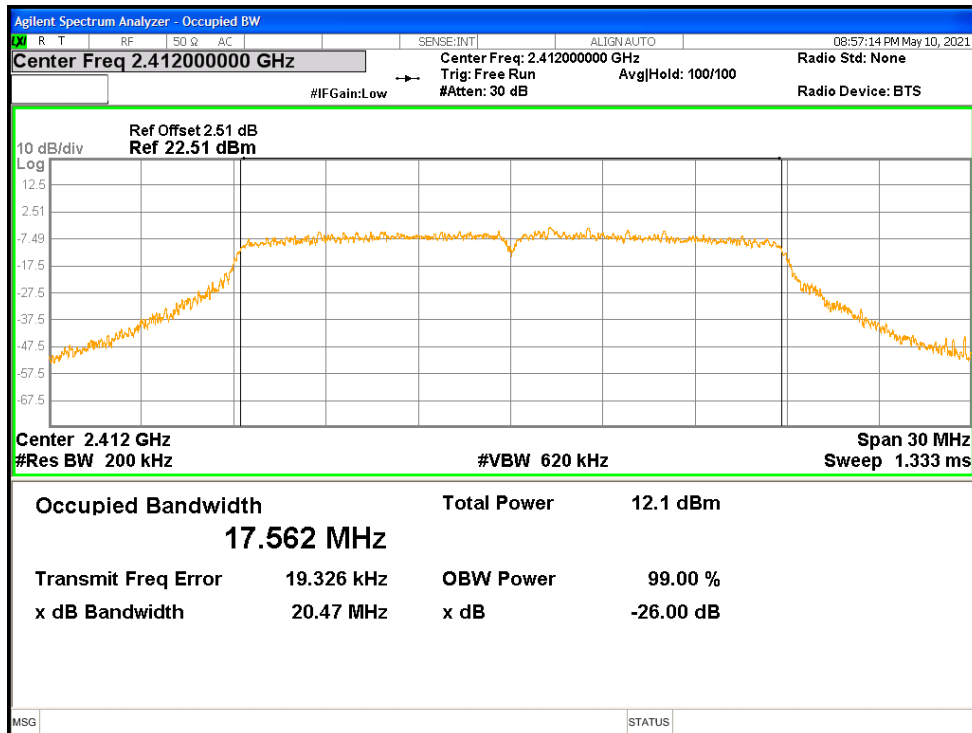
OBW NVNT g 2437MHz Ant1



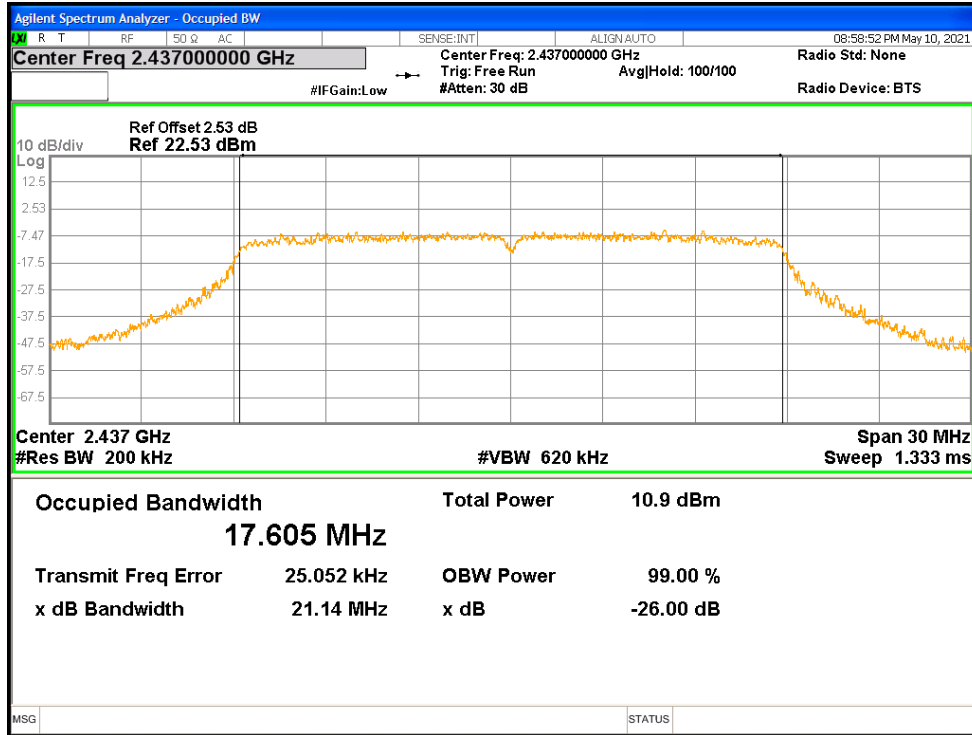
OBW NVNT g 2462MHz Ant1



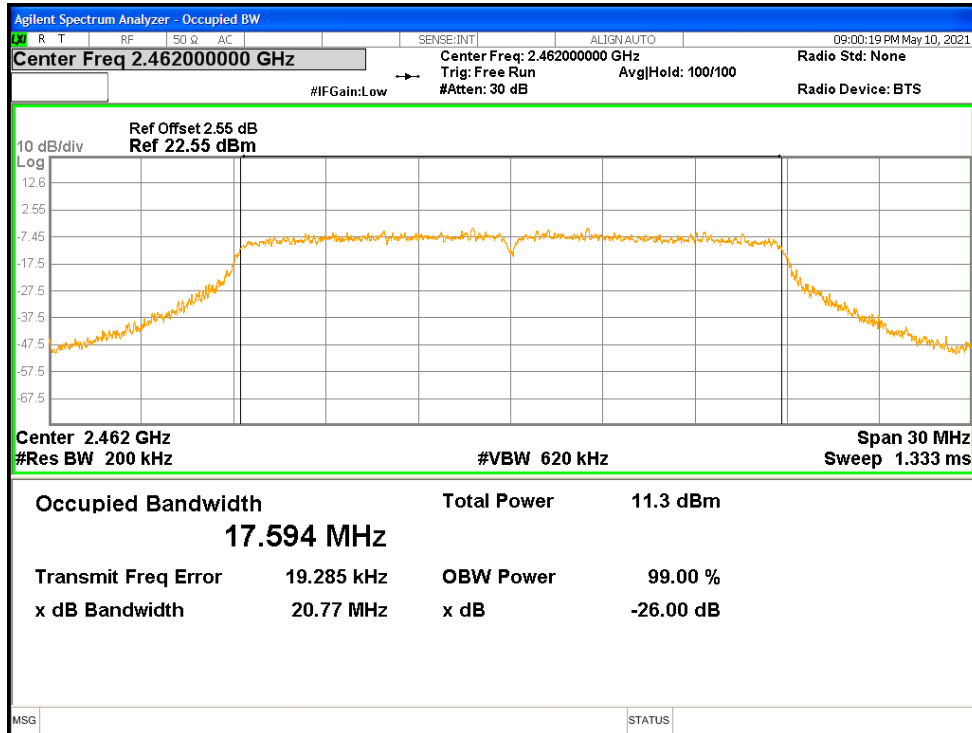
OBW NVNT n20 2412MHz Ant1



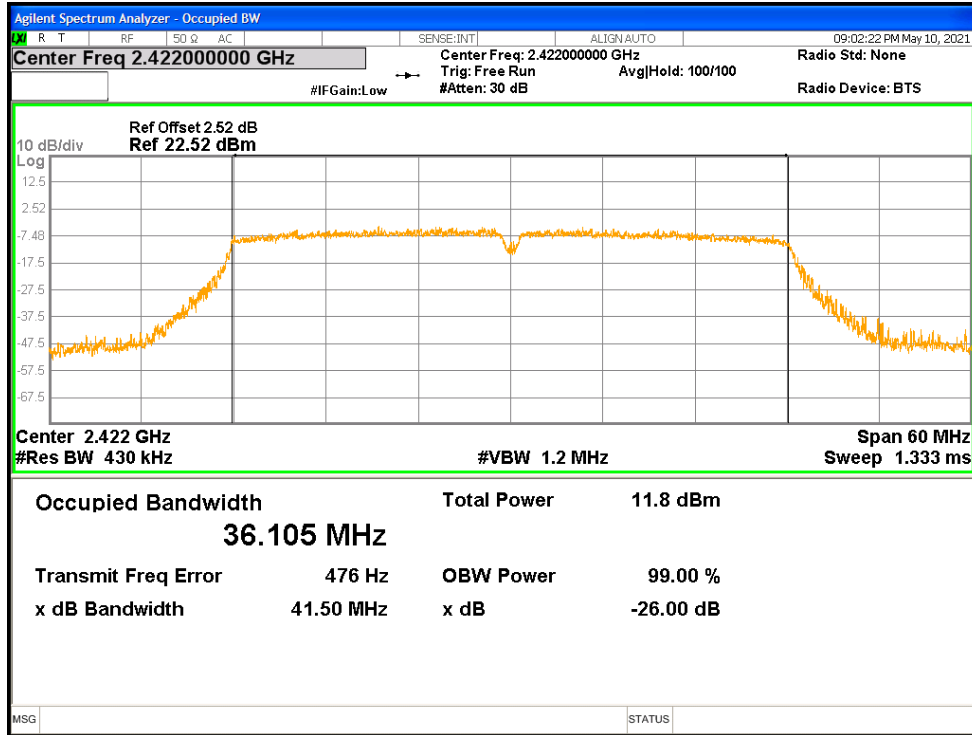
OBW NVNT n20 2437MHz Ant1



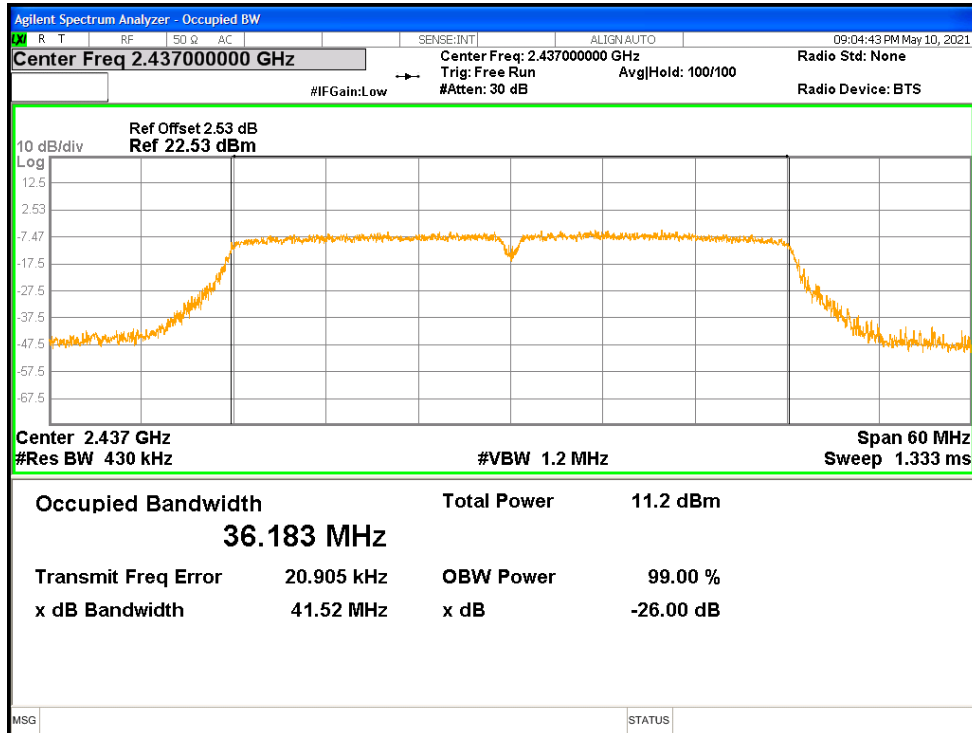
OBW NVNT n20 2462MHz Ant1



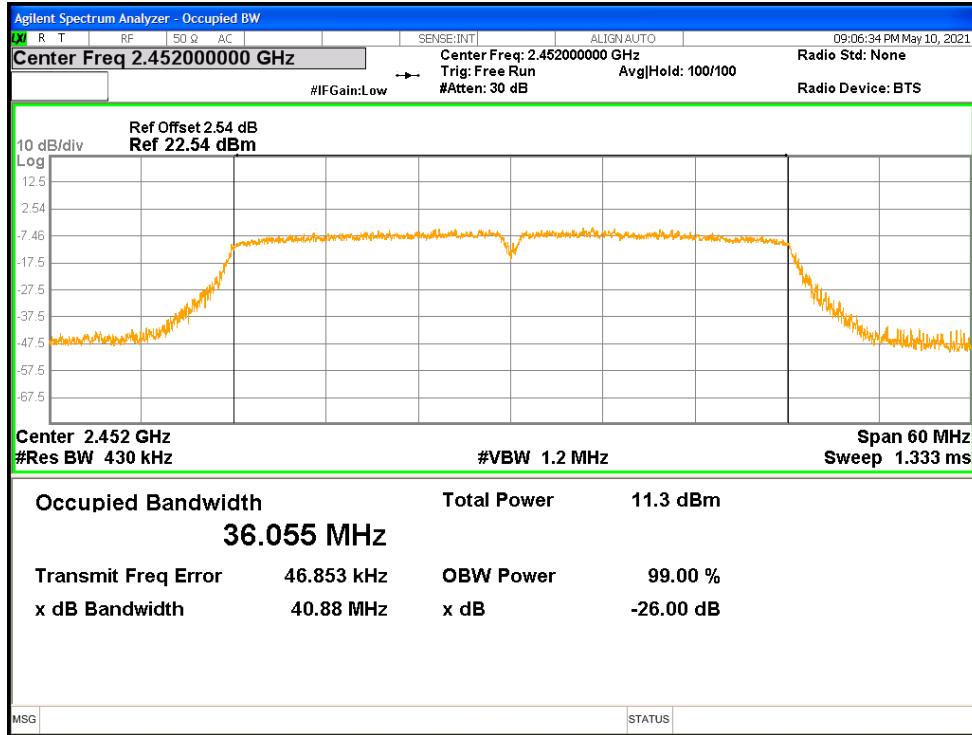
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



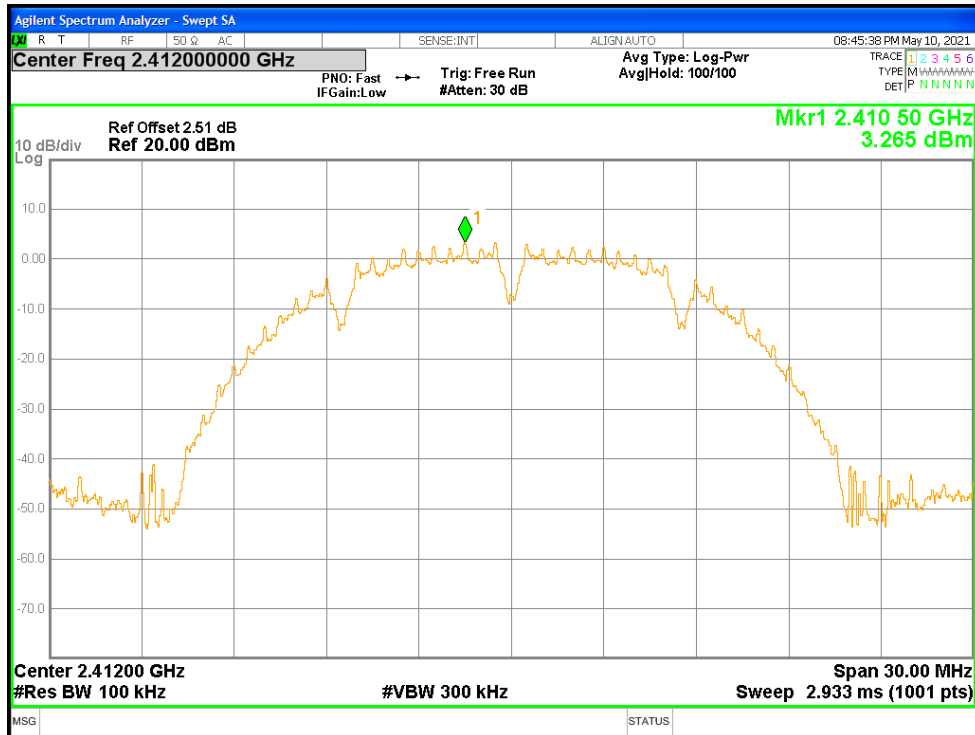
OBW NVNT n40 2452MHz Ant1



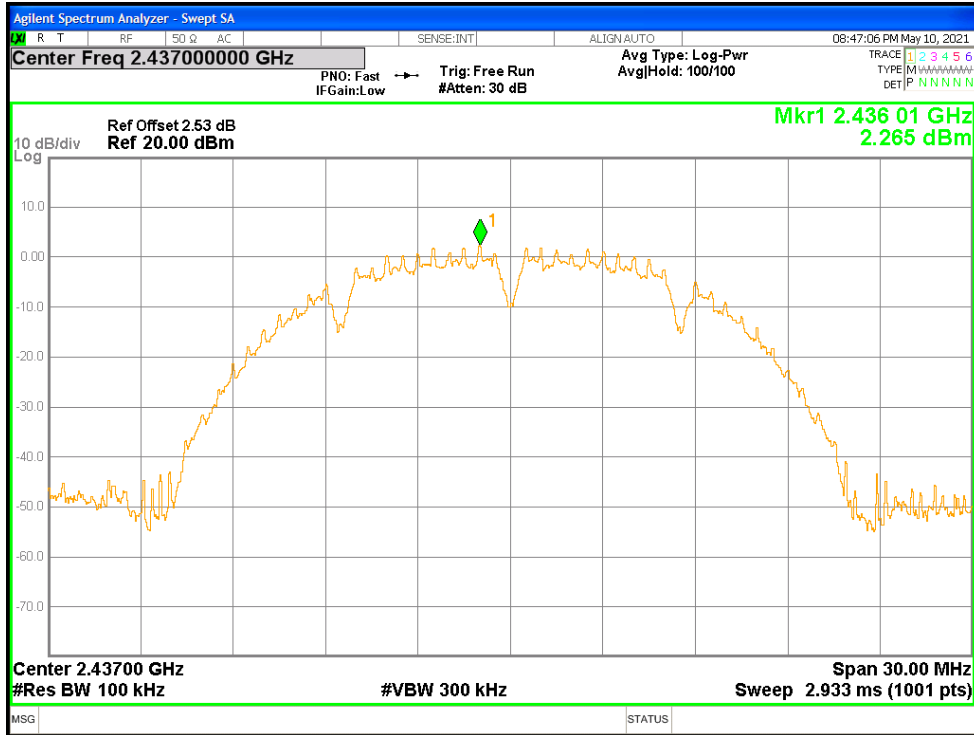
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	3.265	8	Pass
NVNT	b	2437	Ant1	2.265	8	Pass
NVNT	b	2462	Ant1	2.363	8	Pass
NVNT	g	2412	Ant1	-4.418	8	Pass
NVNT	g	2437	Ant1	-6.42	8	Pass
NVNT	g	2462	Ant1	-5.288	8	Pass
NVNT	n20	2412	Ant1	-4.69	8	Pass
NVNT	n20	2437	Ant1	-5.755	8	Pass
NVNT	n20	2462	Ant1	-5.526	8	Pass
NVNT	n40	2422	Ant1	-7.305	8	Pass
NVNT	n40	2437	Ant1	-8.115	8	Pass
NVNT	n40	2452	Ant1	-7.882	8	Pass

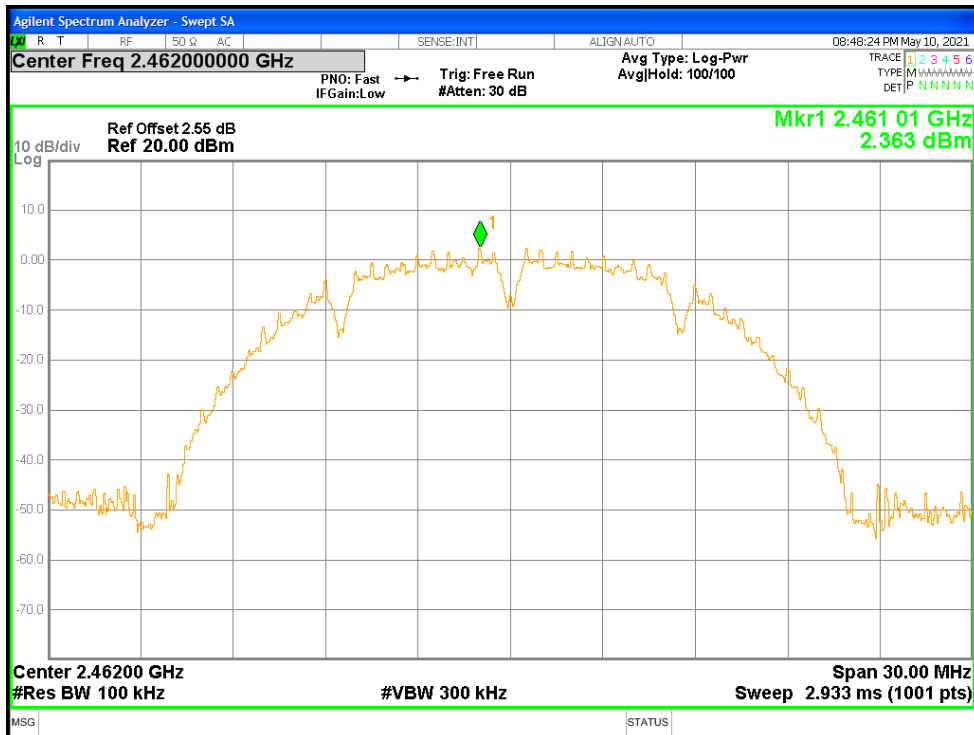
PSD NVNT b 2412MHz Ant1



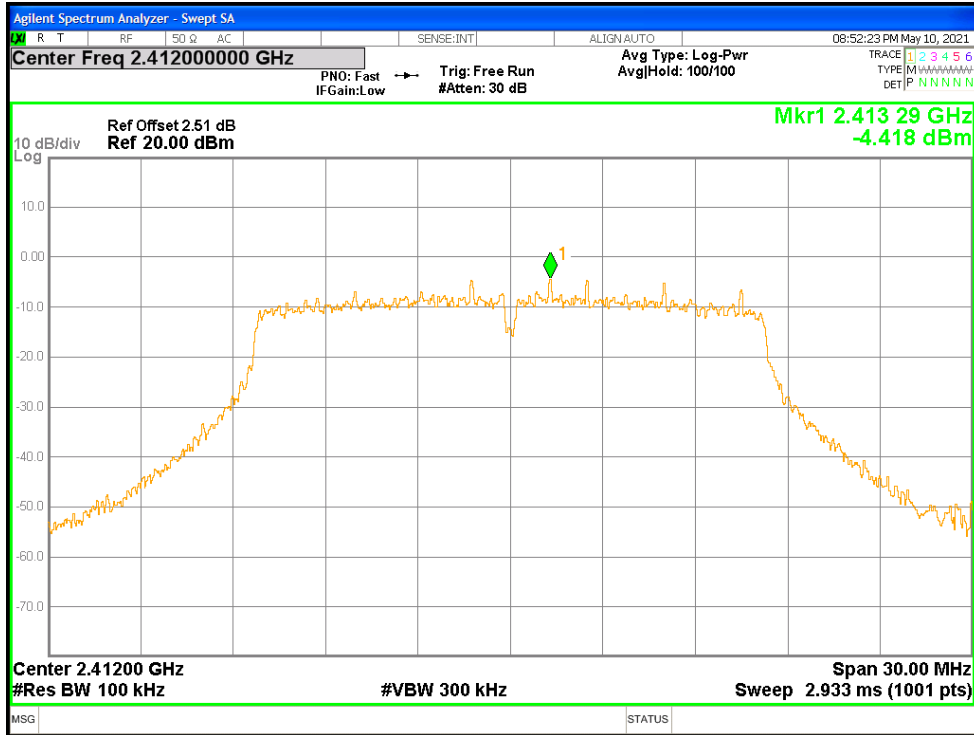
PSD NVNT b 2437MHz Ant1



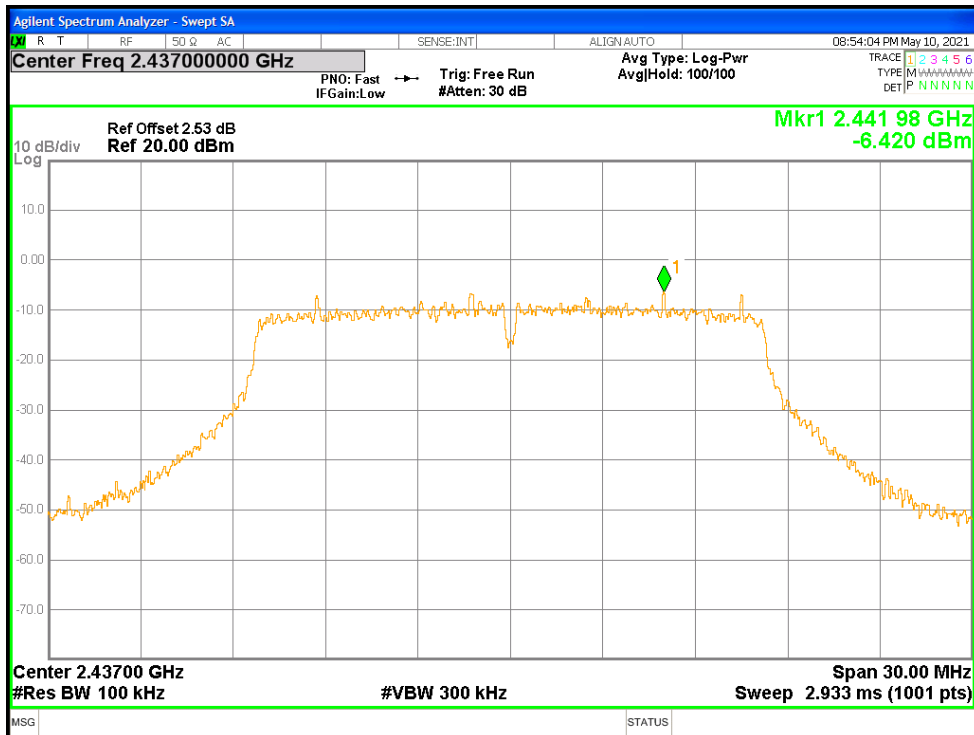
PSD NVNT b 2462MHz Ant1



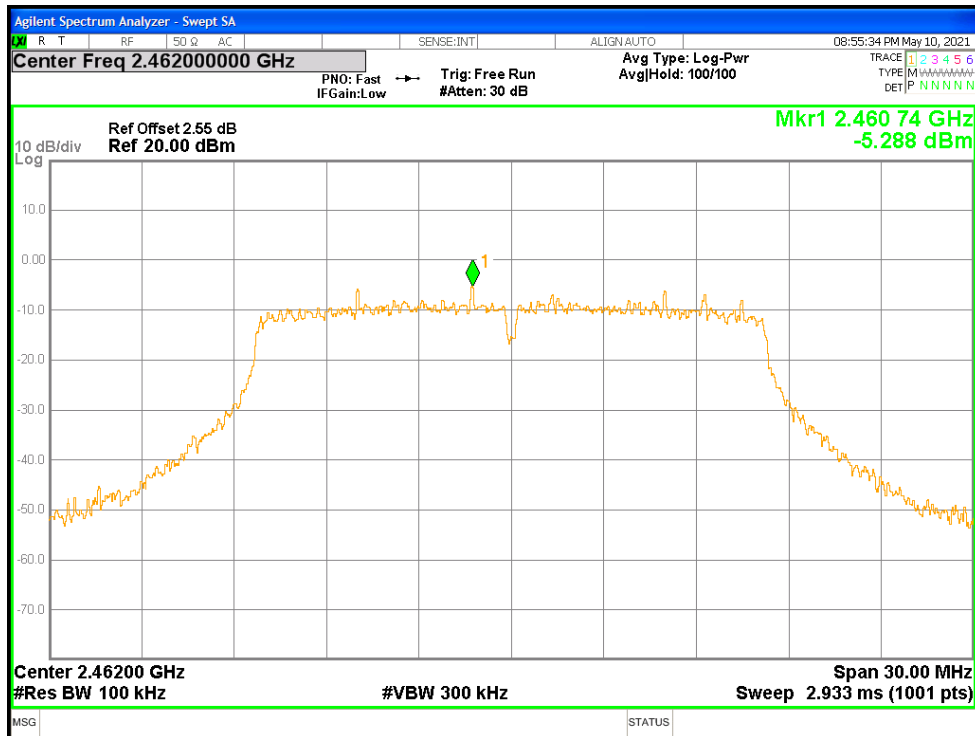
PSD NVNT g 2412MHz Ant1



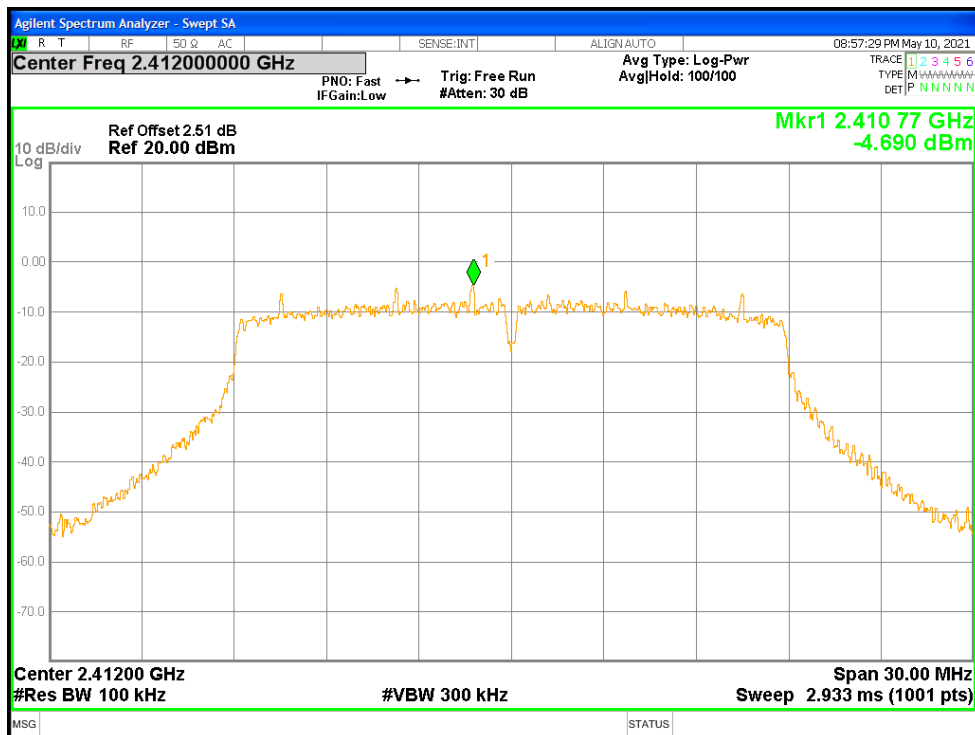
PSD NVNT g 2437MHz Ant1



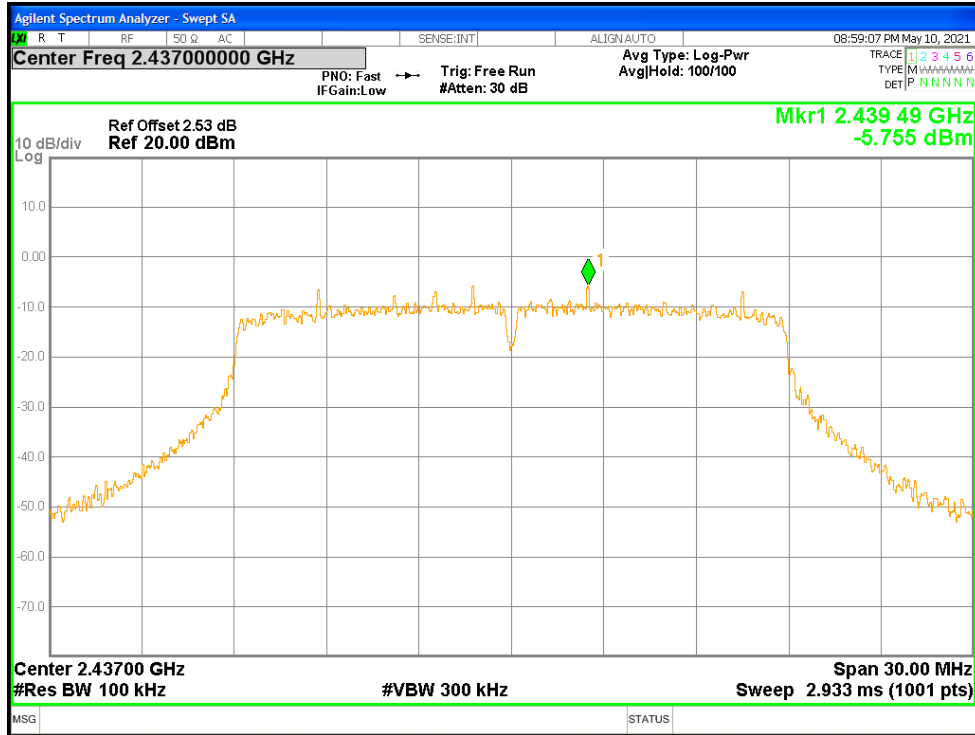
PSD NVNT g 2462MHz Ant1



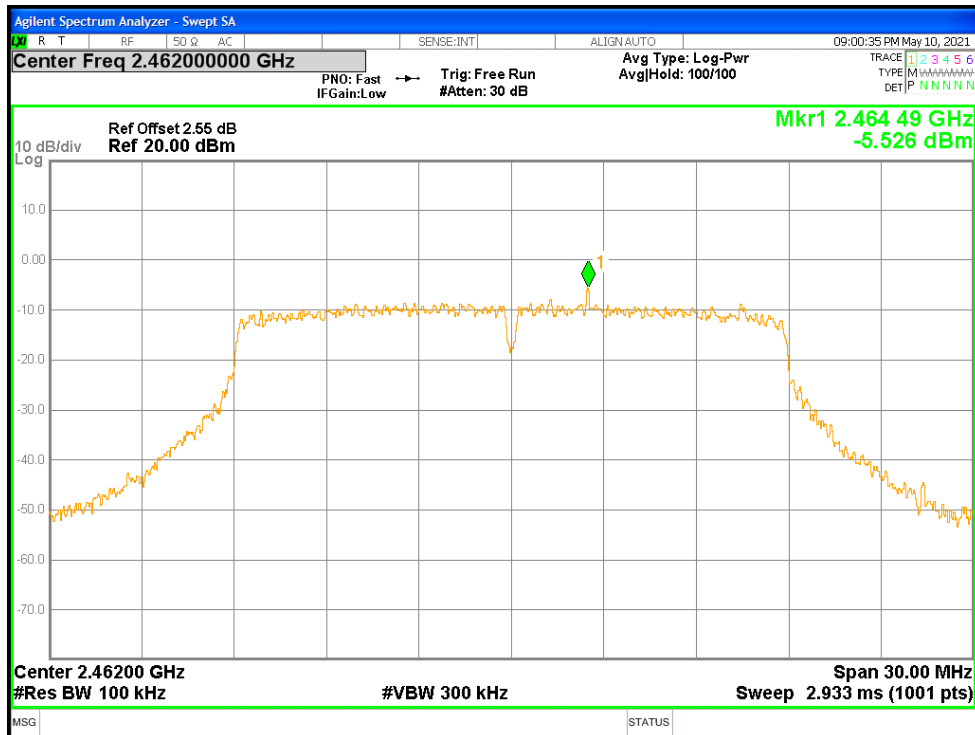
PSD NVNT n20 2412MHz Ant1



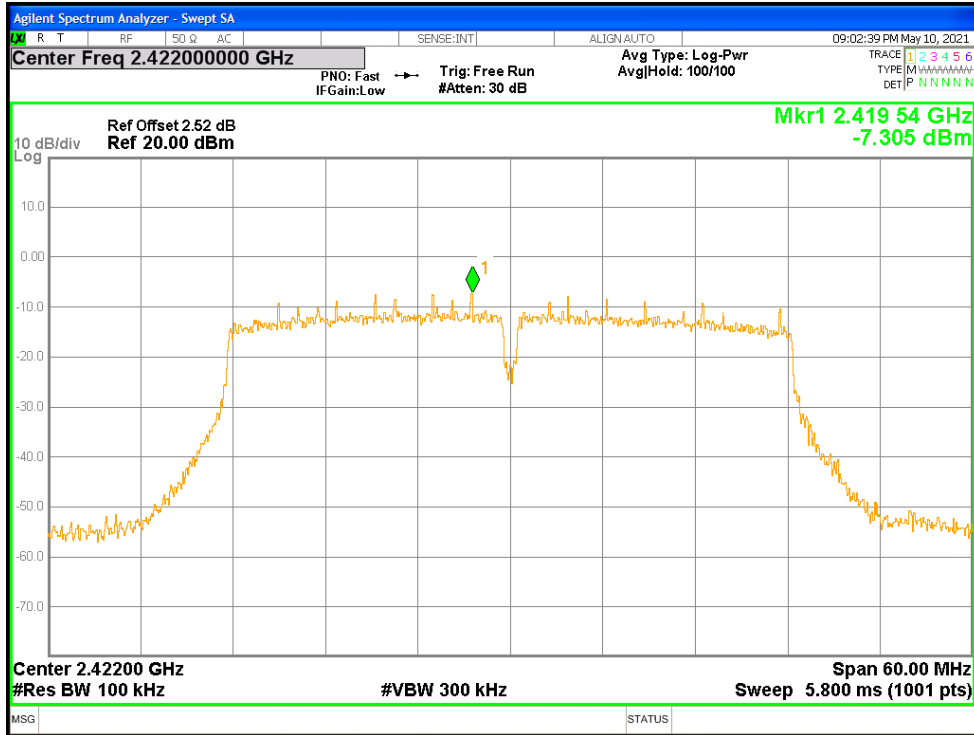
PSD NVNT n20 2437MHz Ant1



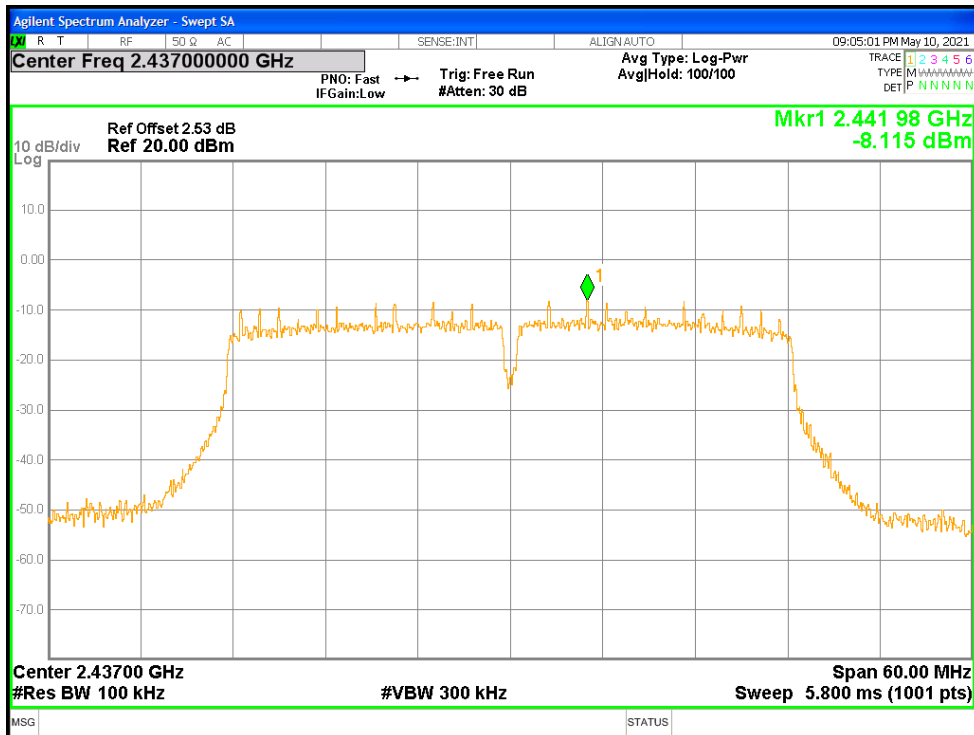
PSD NVNT n20 2462MHz Ant1



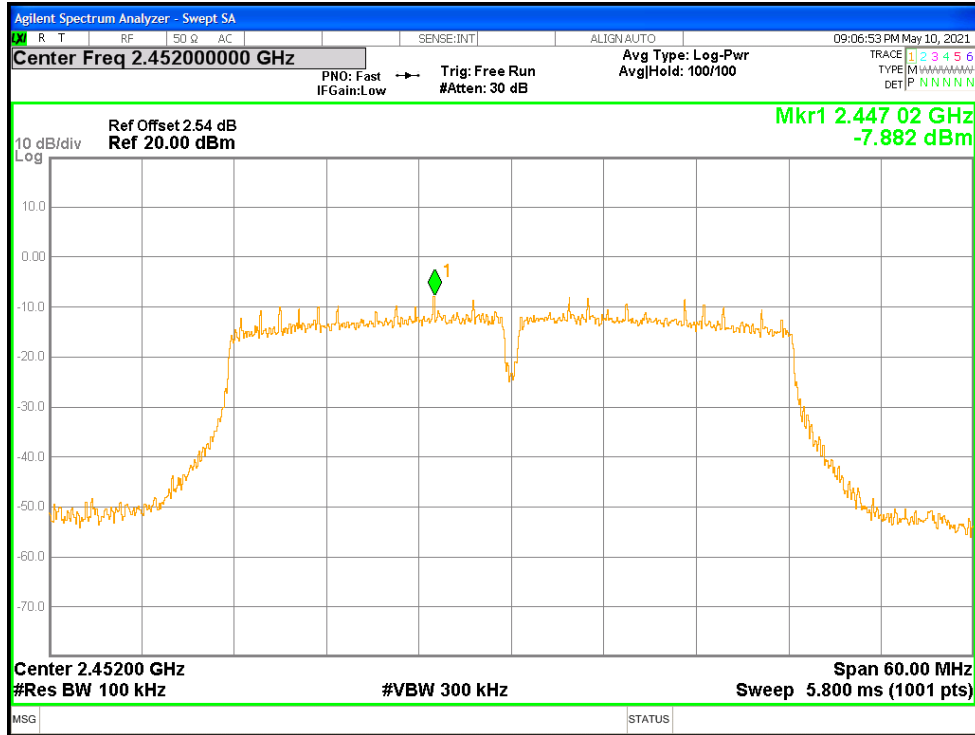
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



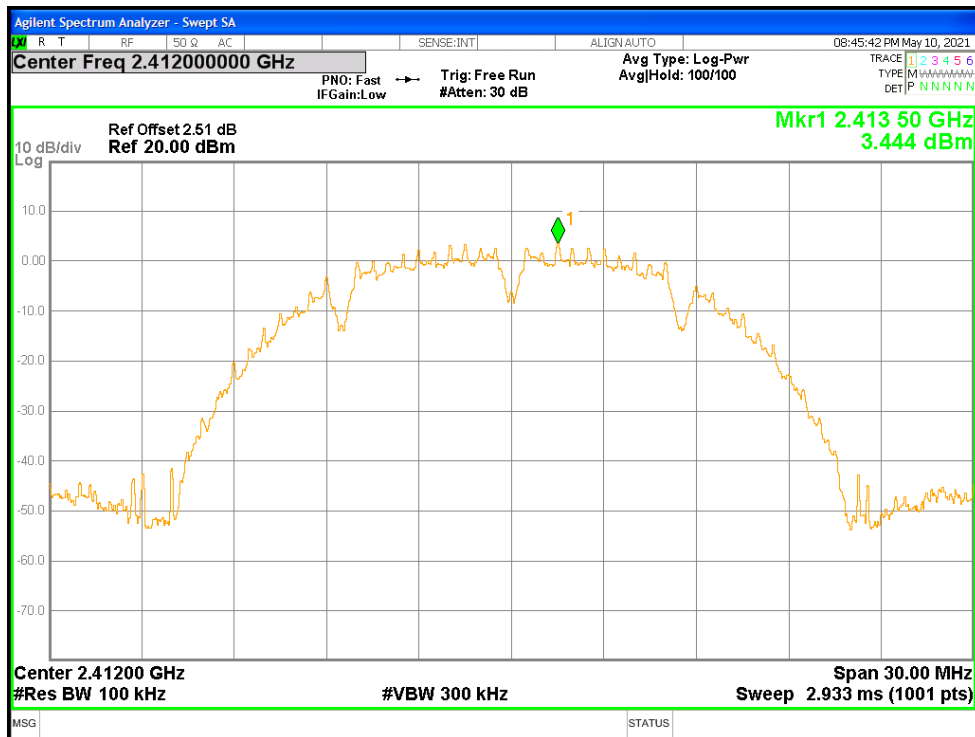
PSD NVNT n40 2452MHz Ant1



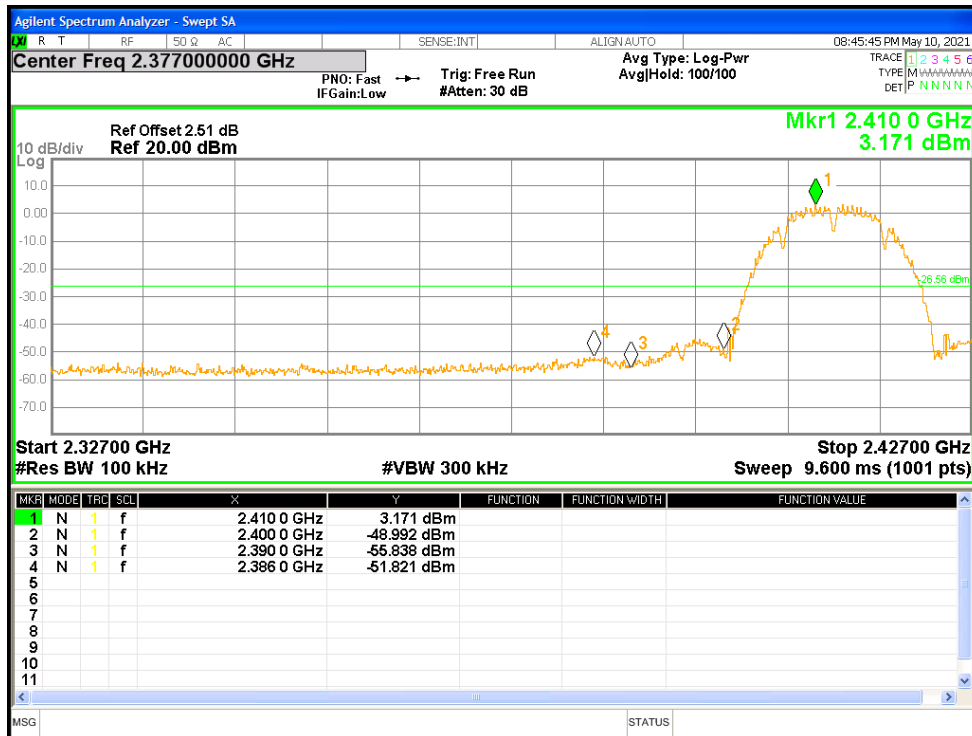
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-55.26	-30	Pass
NVNT	b	2462	Ant1	-55.19	-30	Pass
NVNT	g	2412	Ant1	-50.61	-30	Pass
NVNT	g	2462	Ant1	-49.12	-30	Pass
NVNT	n20	2412	Ant1	-49.29	-30	Pass
NVNT	n20	2462	Ant1	-49.29	-30	Pass
NVNT	n40	2422	Ant1	-45.78	-30	Pass
NVNT	n40	2452	Ant1	-43.08	-30	Pass

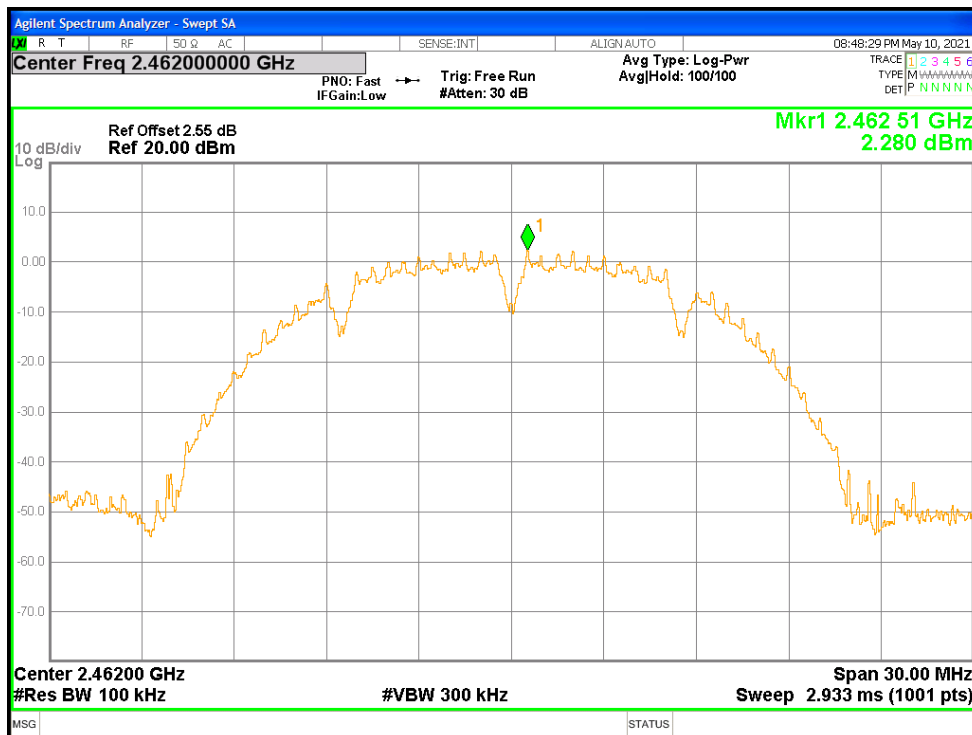
Band Edge NVNT b 2412MHz Ant1 Ref



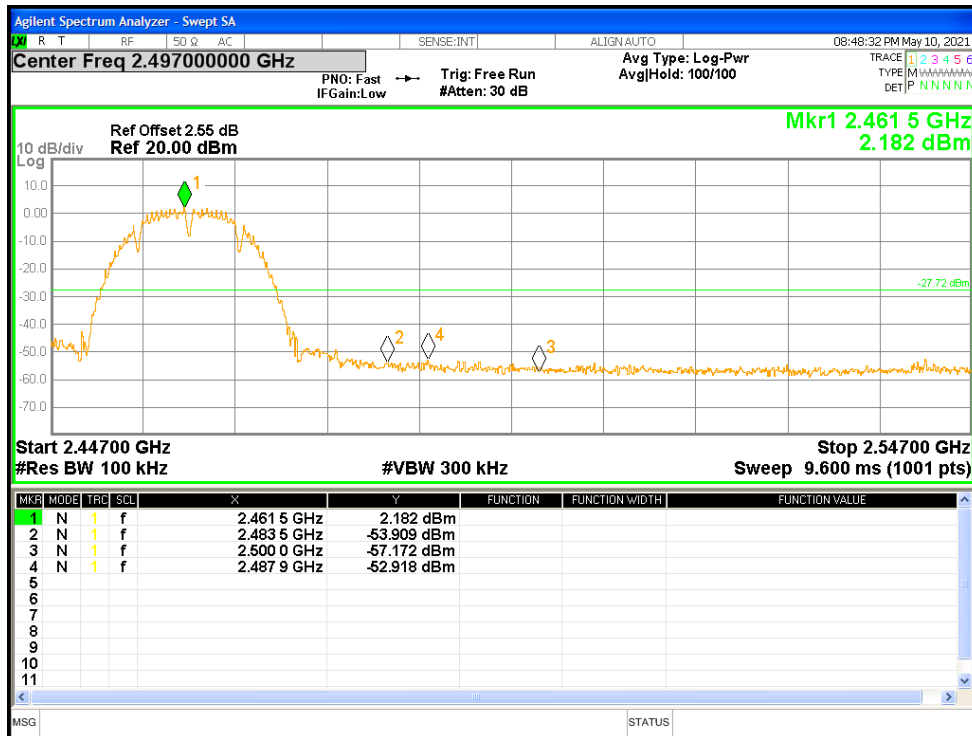
Band Edge NVNT b 2412MHz Ant1 Emission



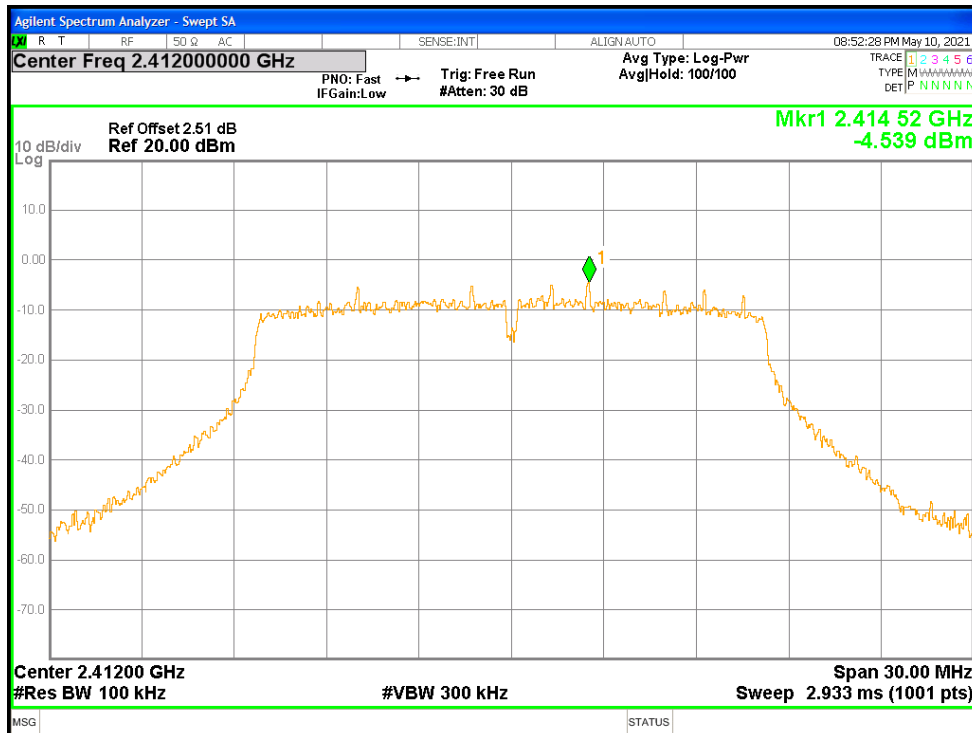
Band Edge NVNT b 2462MHz Ant1 Ref



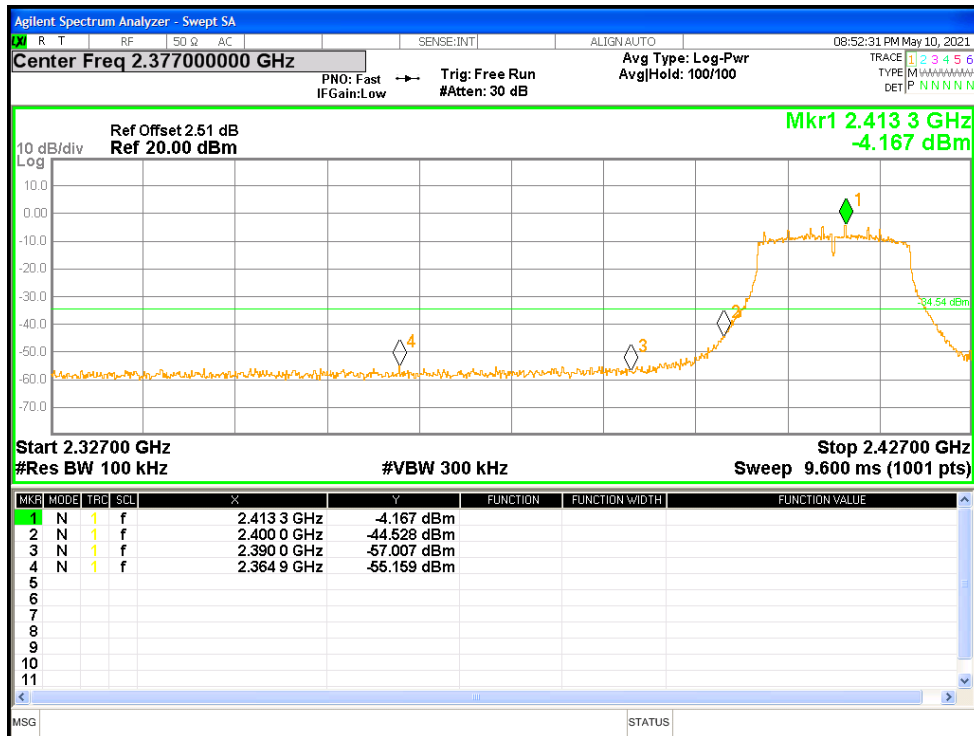
Band Edge NVNT b 2462MHz Ant1 Emission



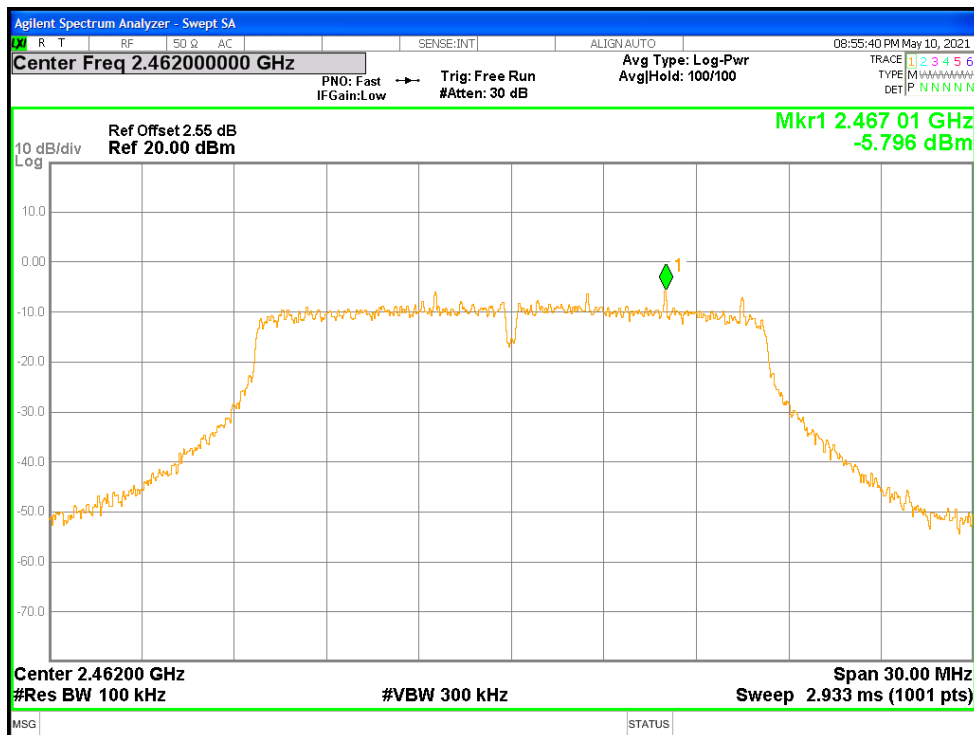
Band Edge NVNT g 2412MHz Ant1 Ref



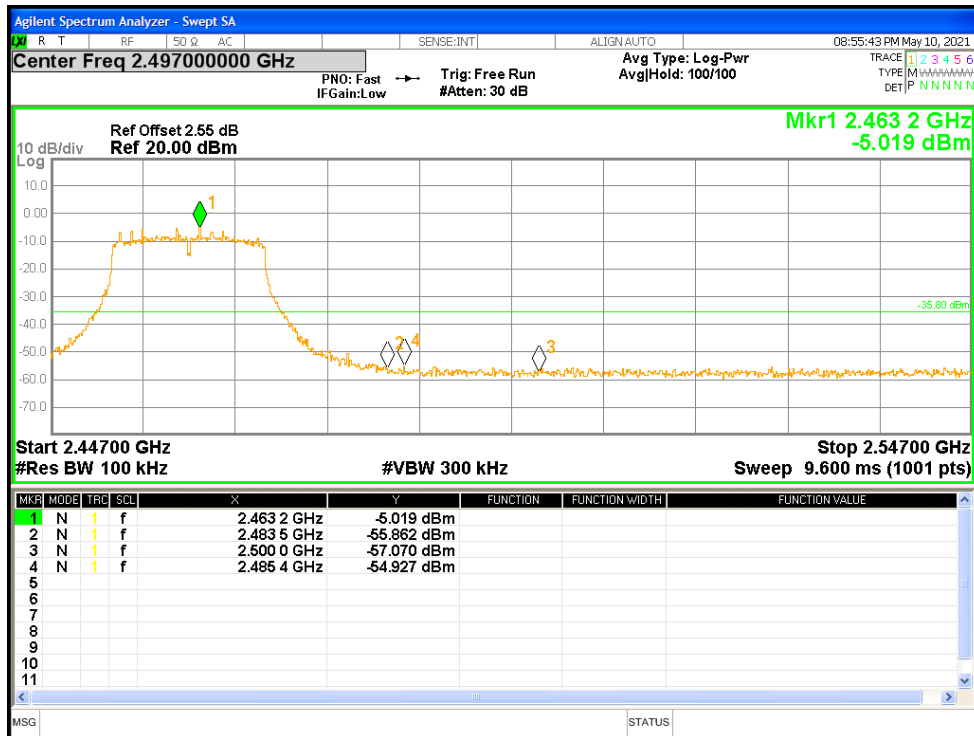
Band Edge NVNT g 2412MHz Ant1 Emission



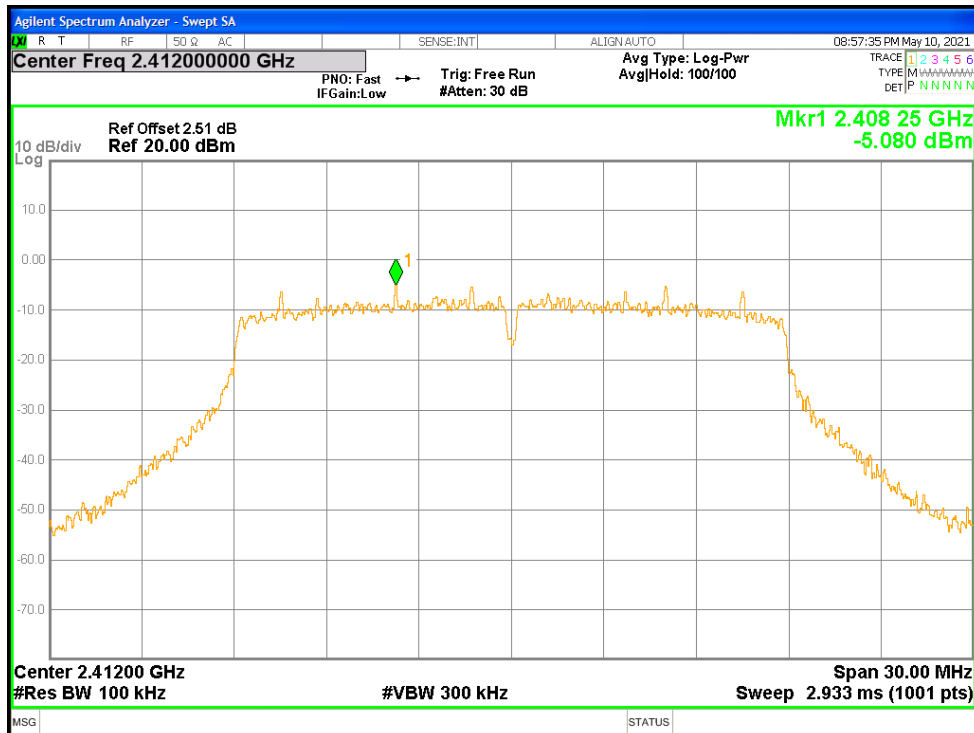
Band Edge NVNT g 2462MHz Ant1 Ref



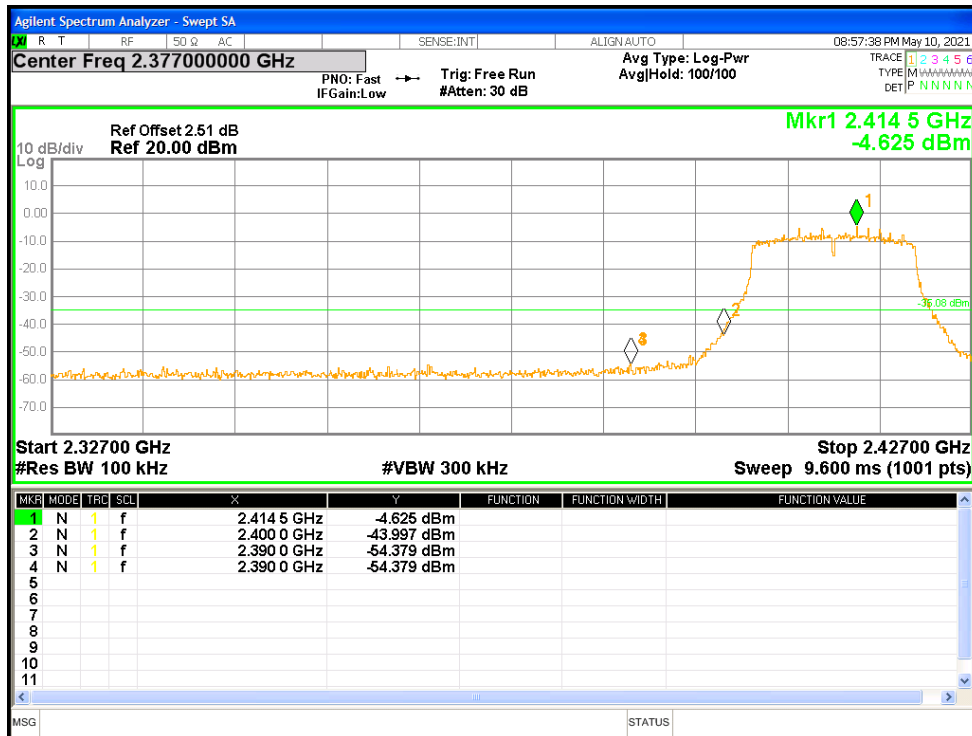
Band Edge NVNT g 2462MHz Ant1 Emission



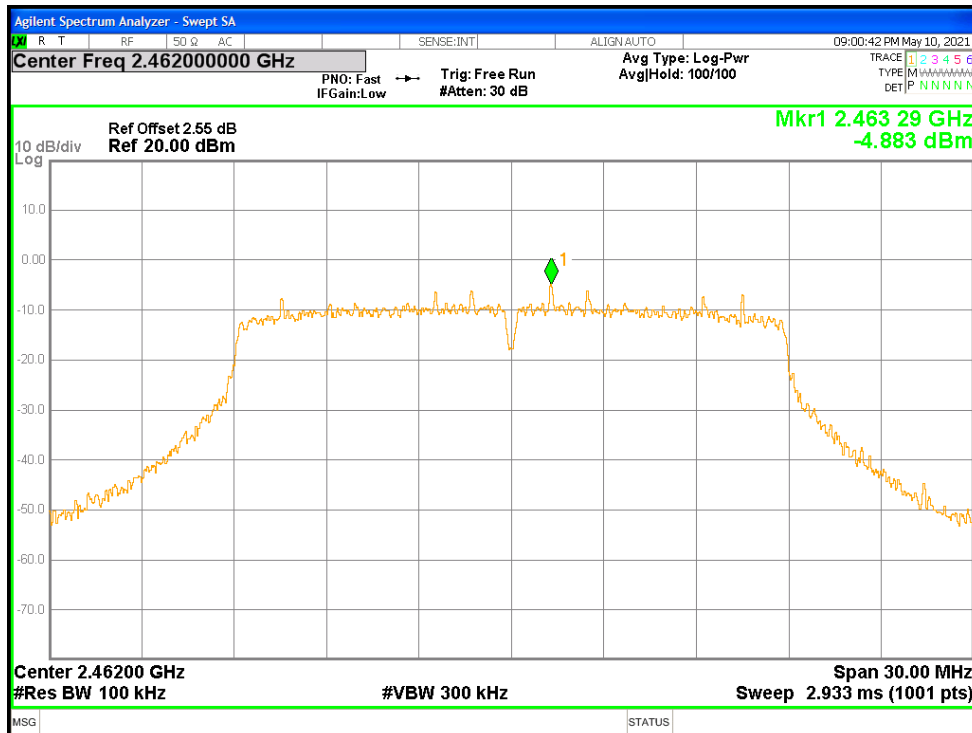
Band Edge NVNT n20 2412MHz Ant1 Ref



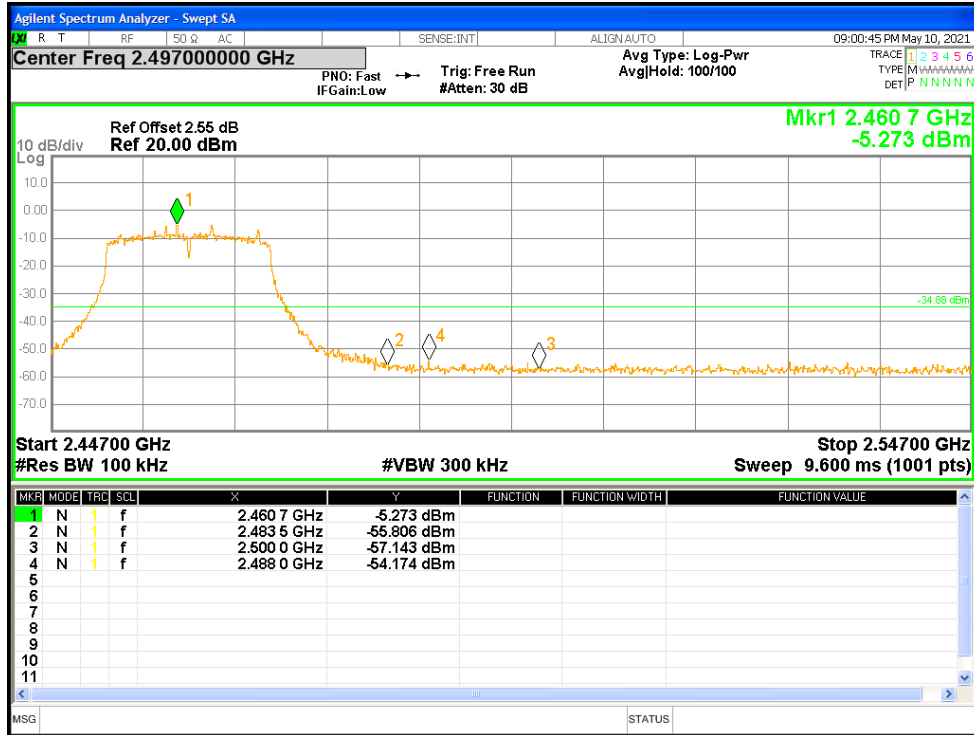
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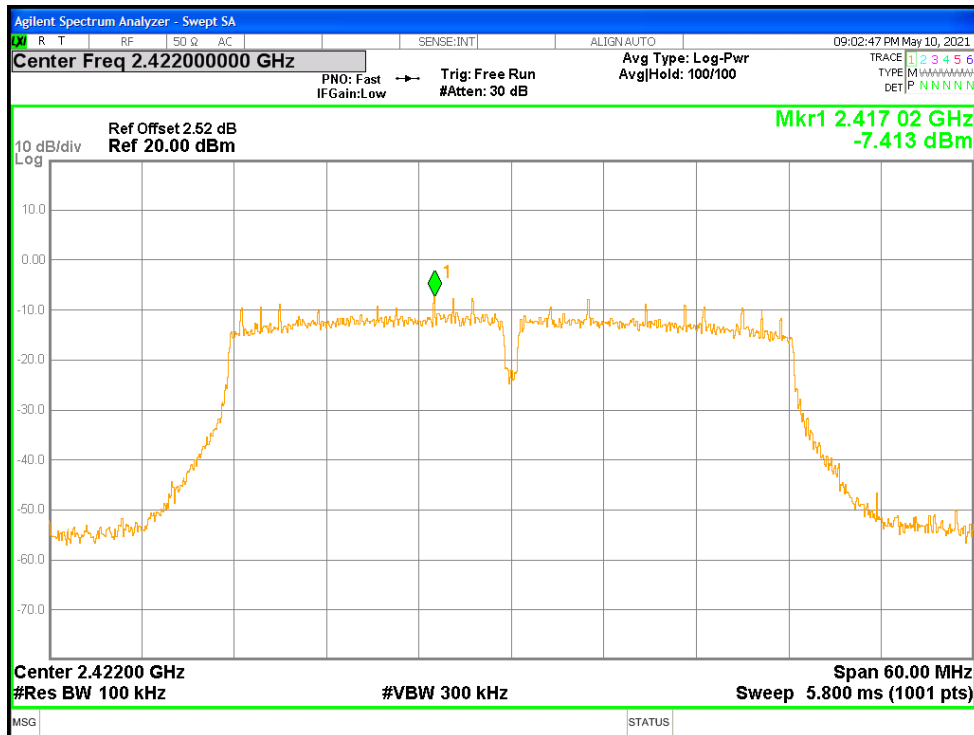
Band Edge NVNT n20 2462MHz Ant1 Ref



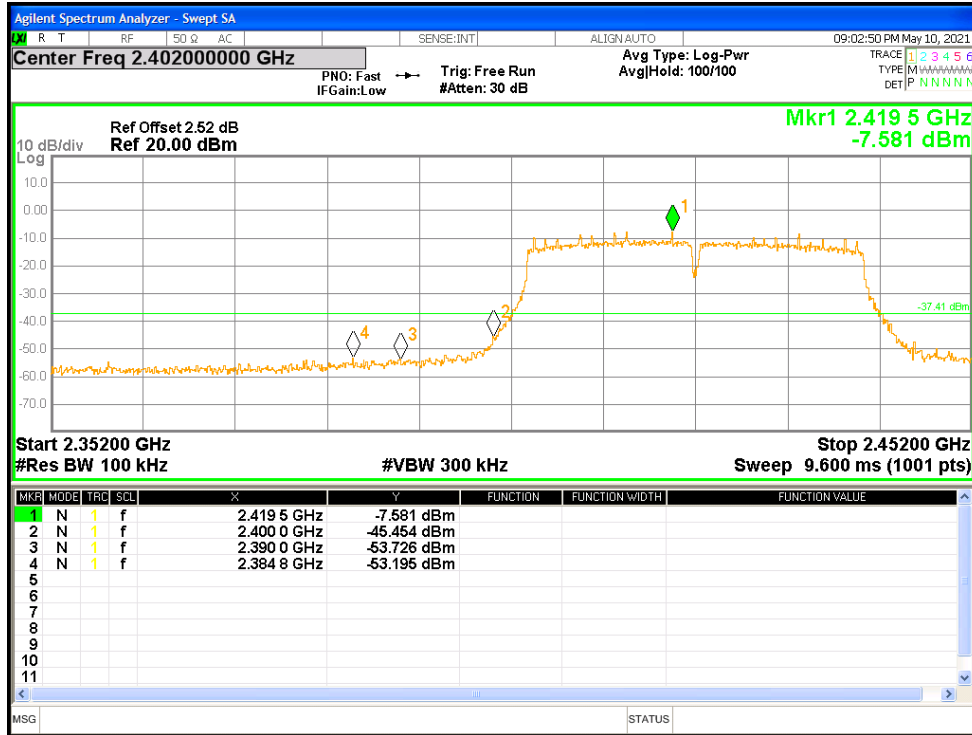
Band Edge NVNT n20 2462MHz Ant1 Emission



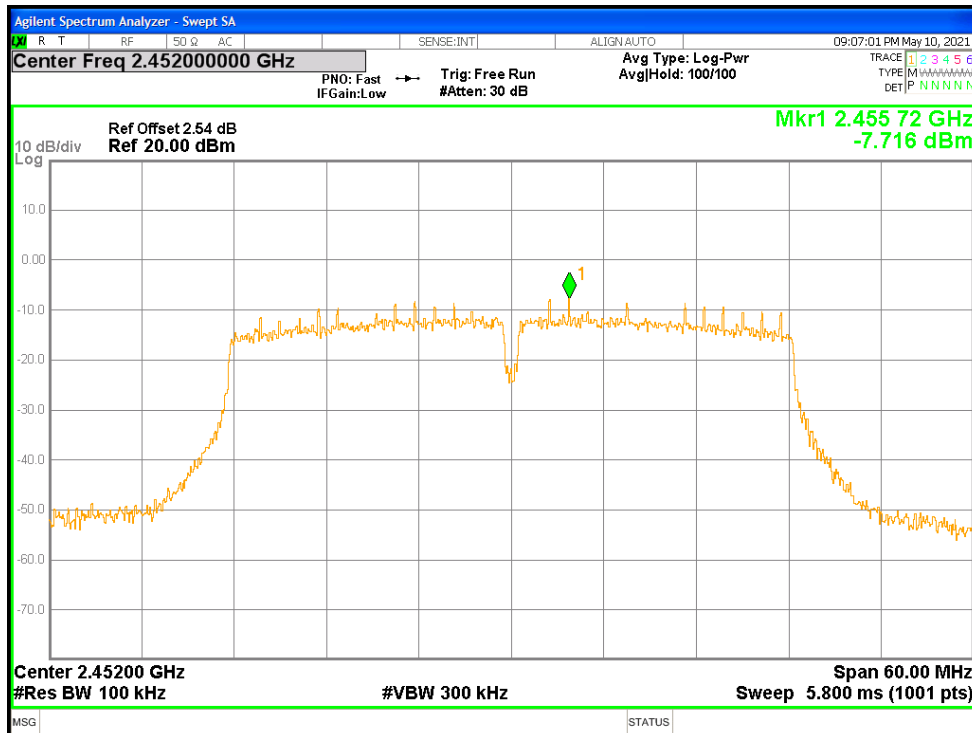
Band Edge NVNT n40 2422MHz Ant1 Ref



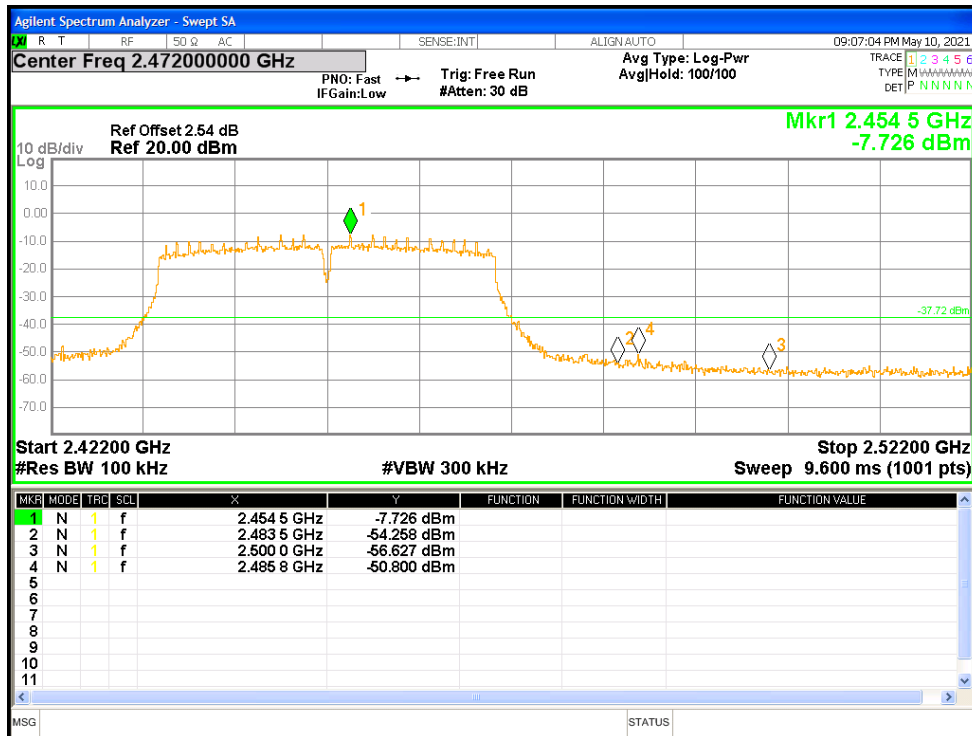
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



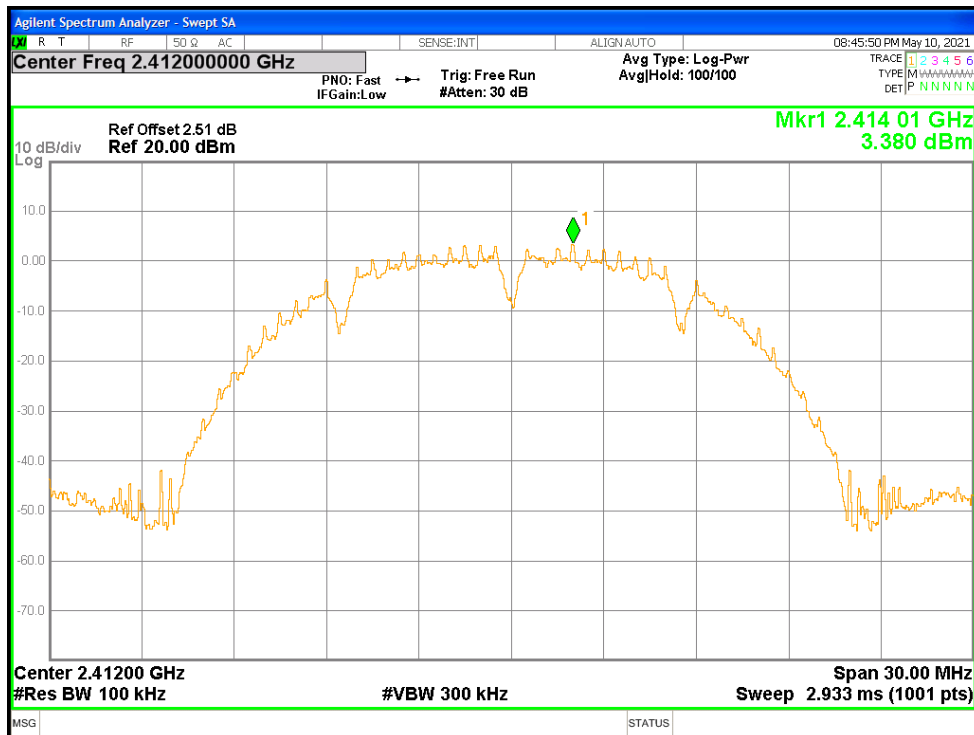
Band Edge NVNT n40 2452MHz Ant1 Emission



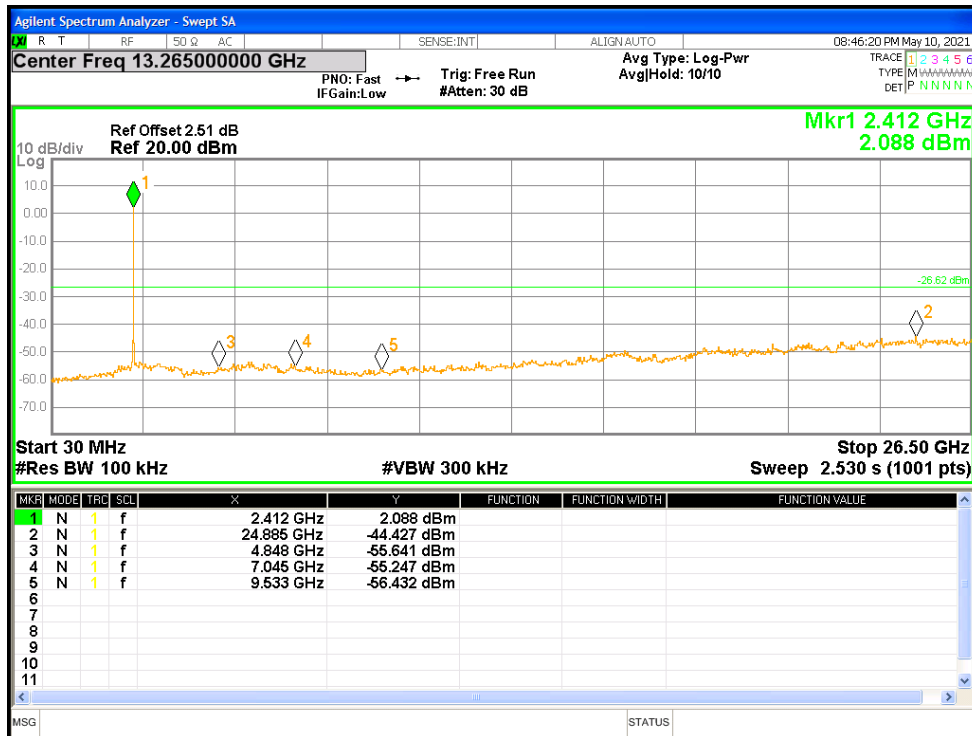
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-47.8	-30	Pass
NVNT	b	2437	Ant1	-45.93	-30	Pass
NVNT	b	2462	Ant1	-46.38	-30	Pass
NVNT	g	2412	Ant1	-39.26	-30	Pass
NVNT	g	2437	Ant1	-39.16	-30	Pass
NVNT	g	2462	Ant1	-39.03	-30	Pass
NVNT	n20	2412	Ant1	-40.13	-30	Pass
NVNT	n20	2437	Ant1	-38.83	-30	Pass
NVNT	n20	2462	Ant1	-38.78	-30	Pass
NVNT	n40	2422	Ant1	-37.66	-30	Pass
NVNT	n40	2437	Ant1	-35.54	-30	Pass
NVNT	n40	2452	Ant1	-36.9	-30	Pass

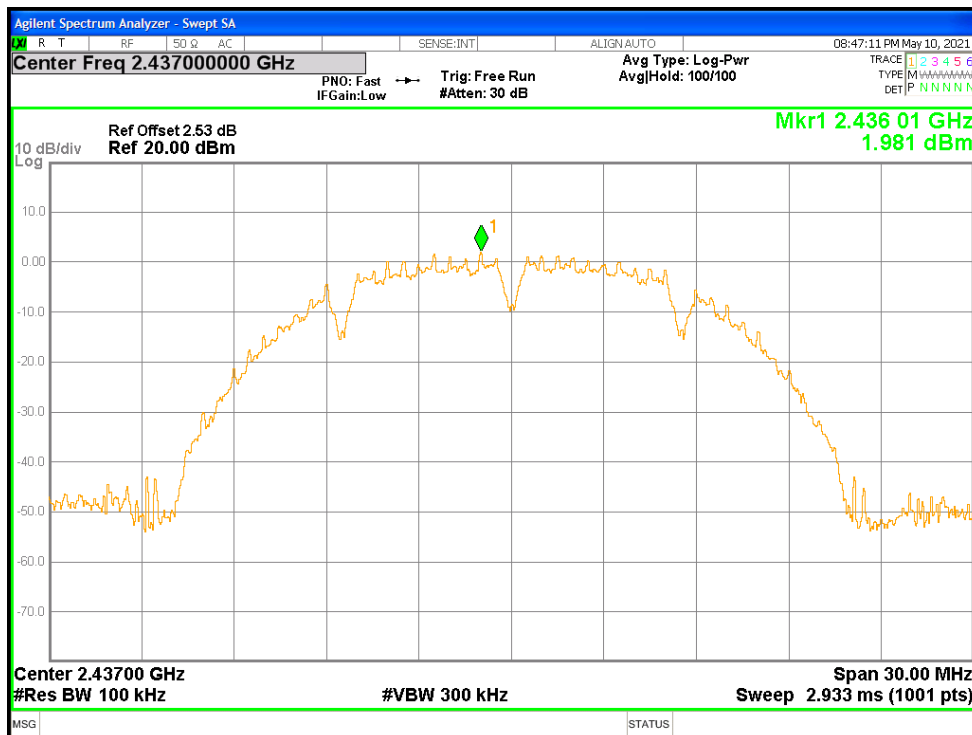
Tx. Spurious NVNT b 2412MHz Ant1 Ref



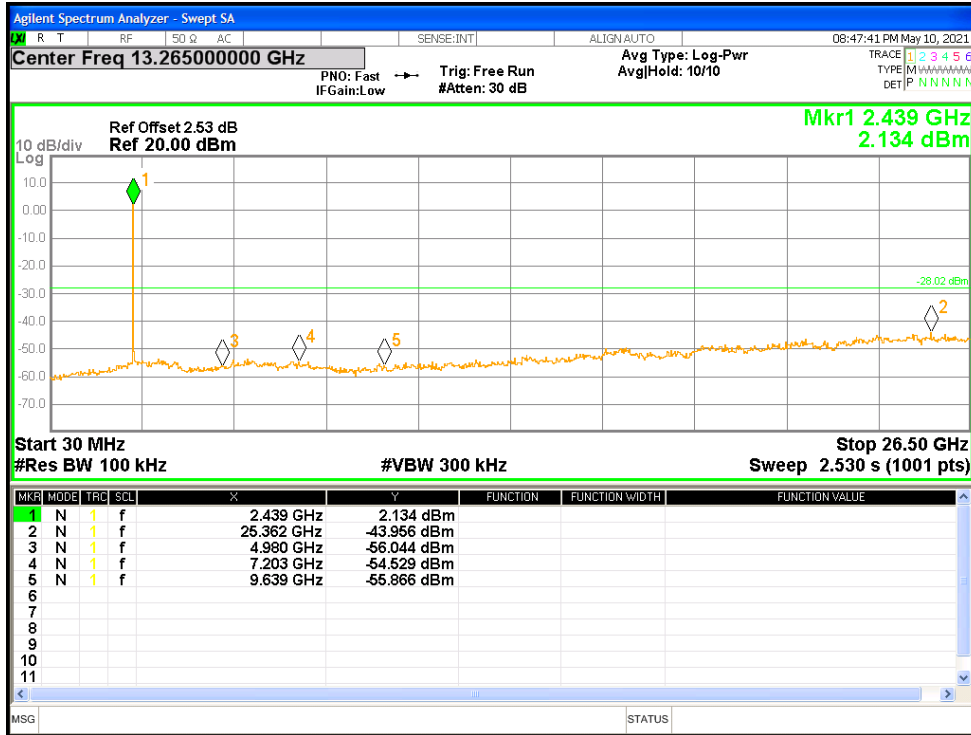
Tx. Spurious NVNT b 2412MHz Ant1 Emission



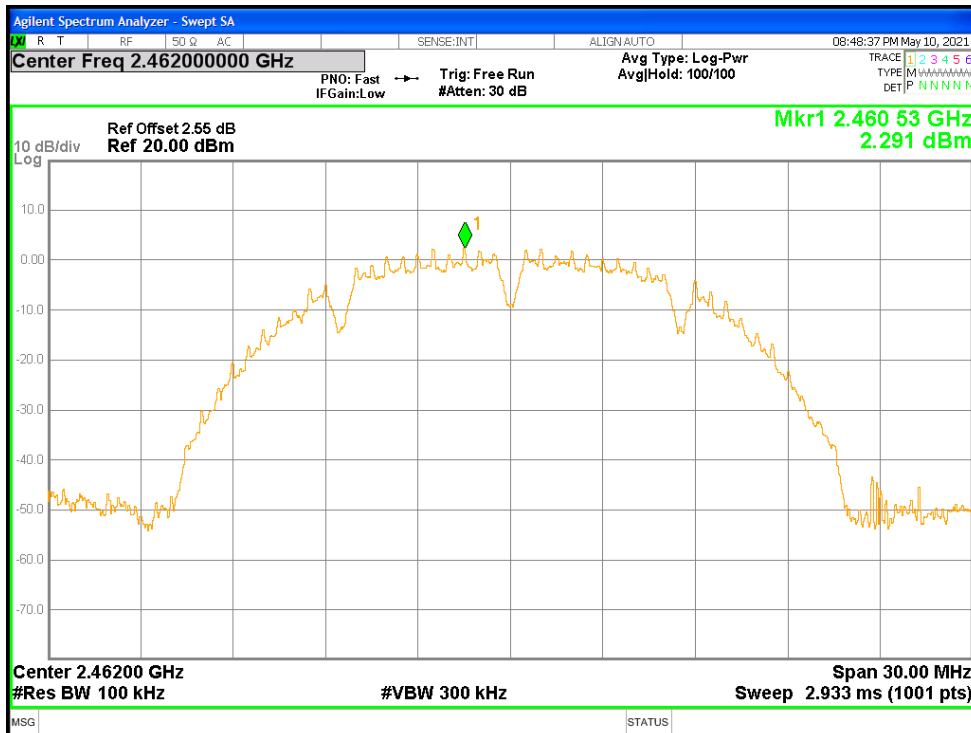
Tx. Spurious NVNT b 2437MHz Ant1 Ref



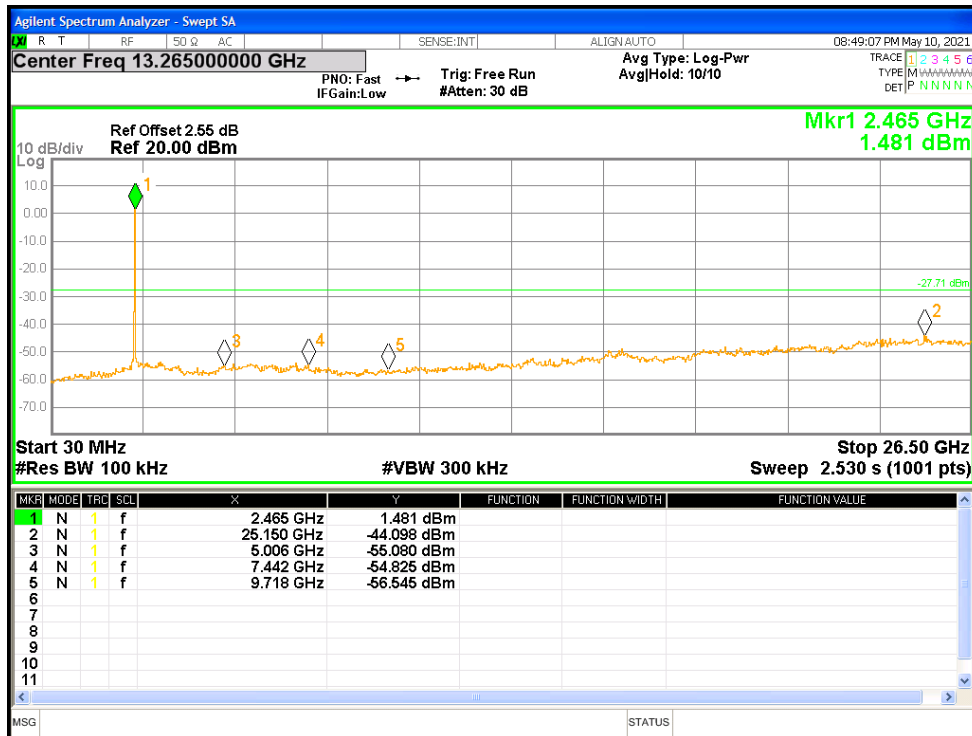
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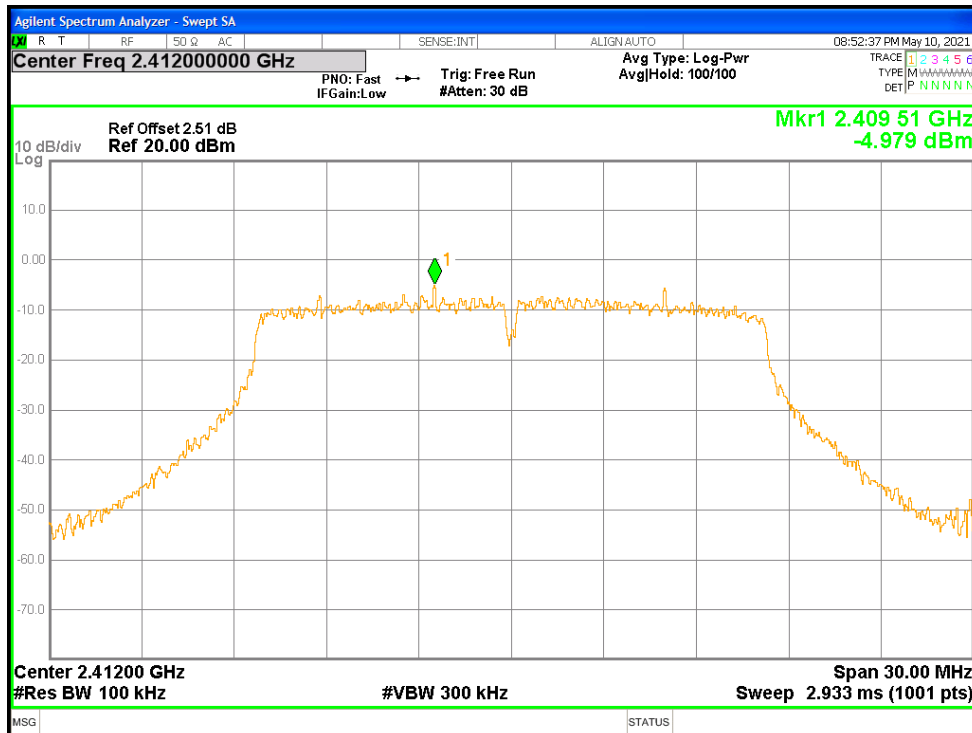
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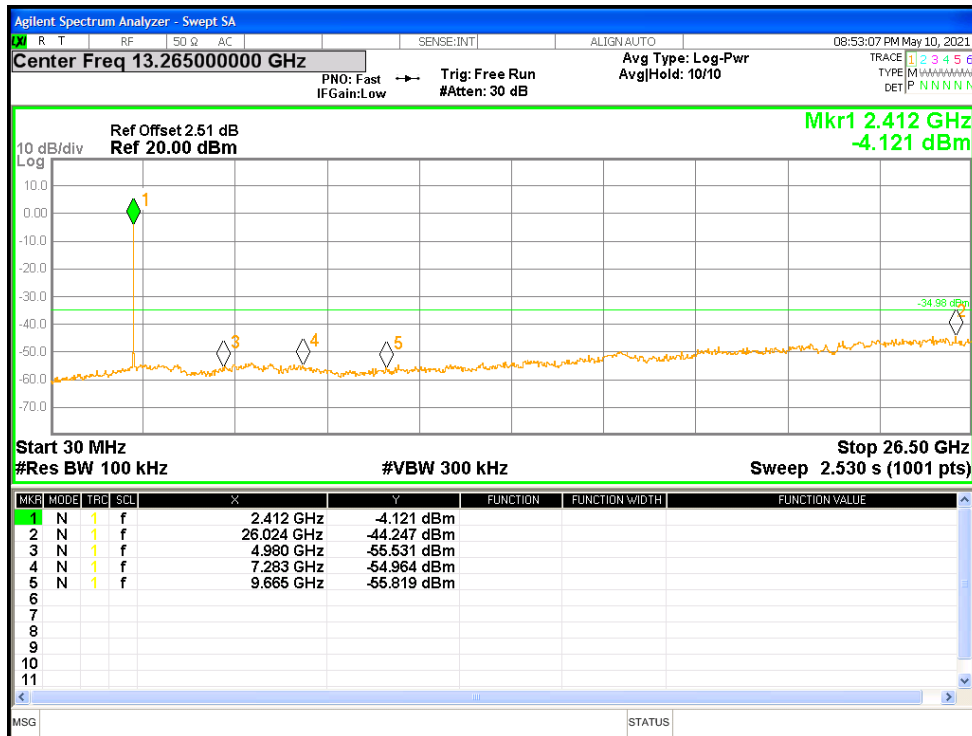
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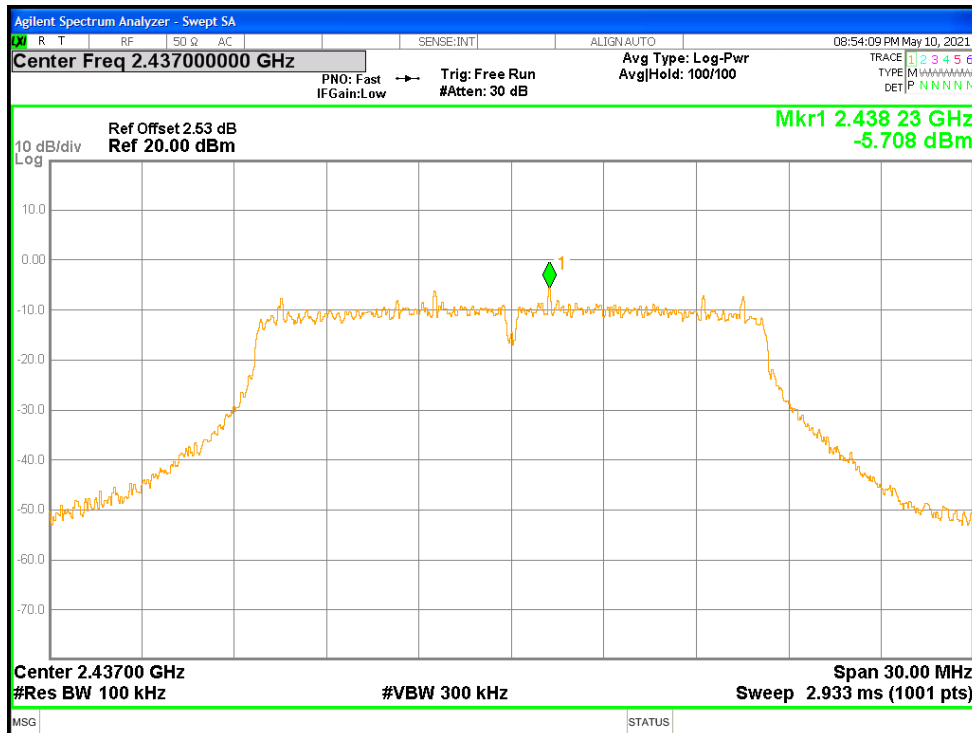
Tx. Spurious NVNT g 2412MHz Ant1 Ref



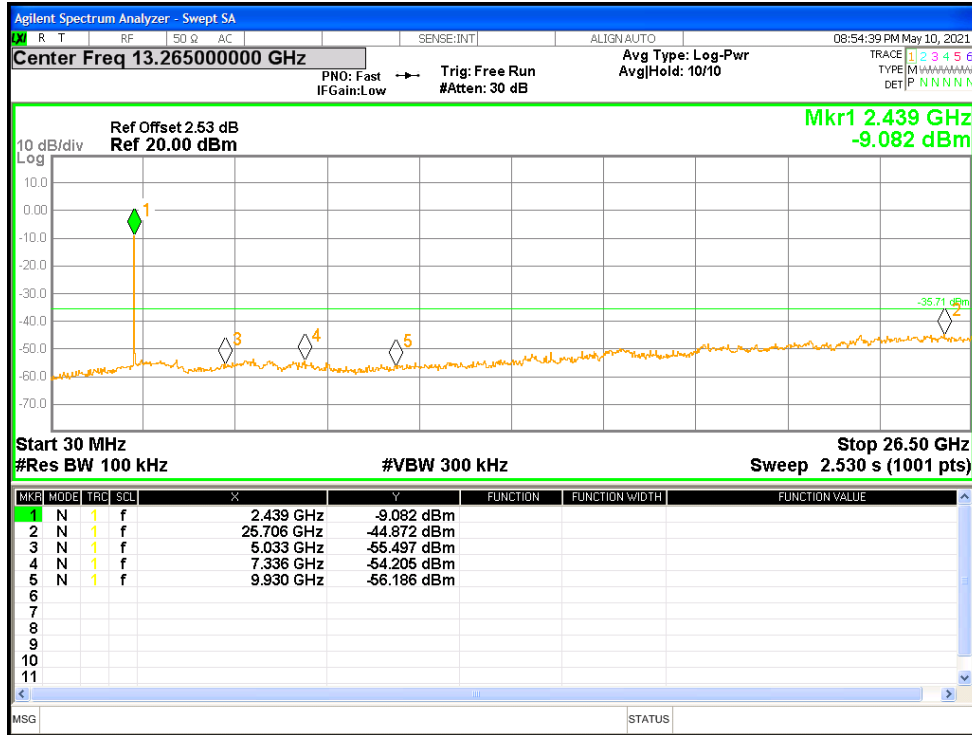
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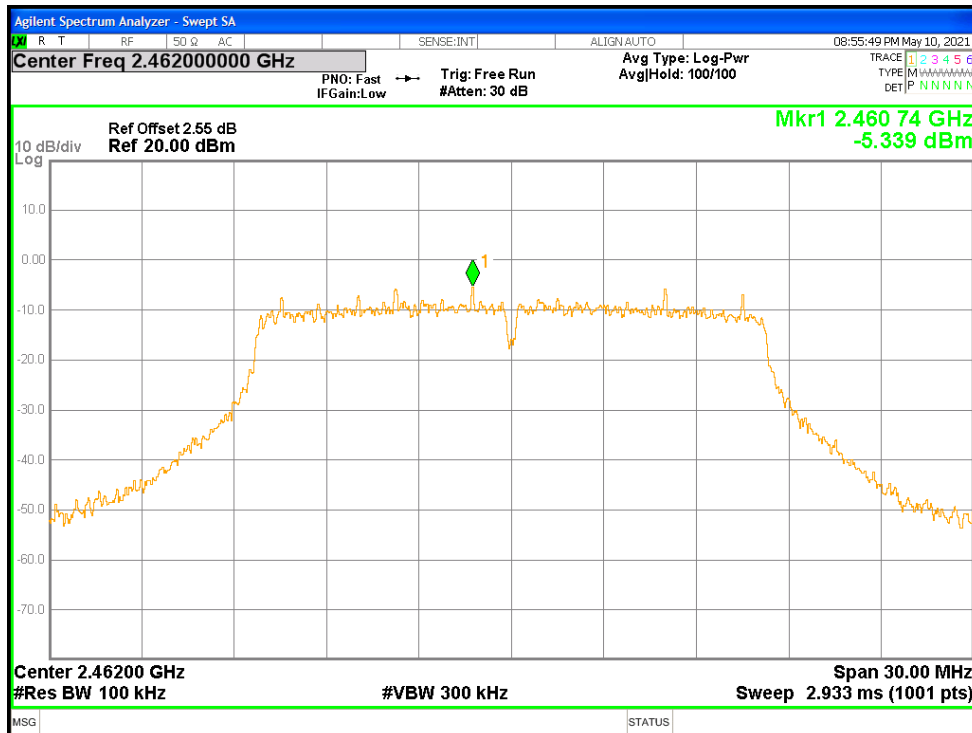
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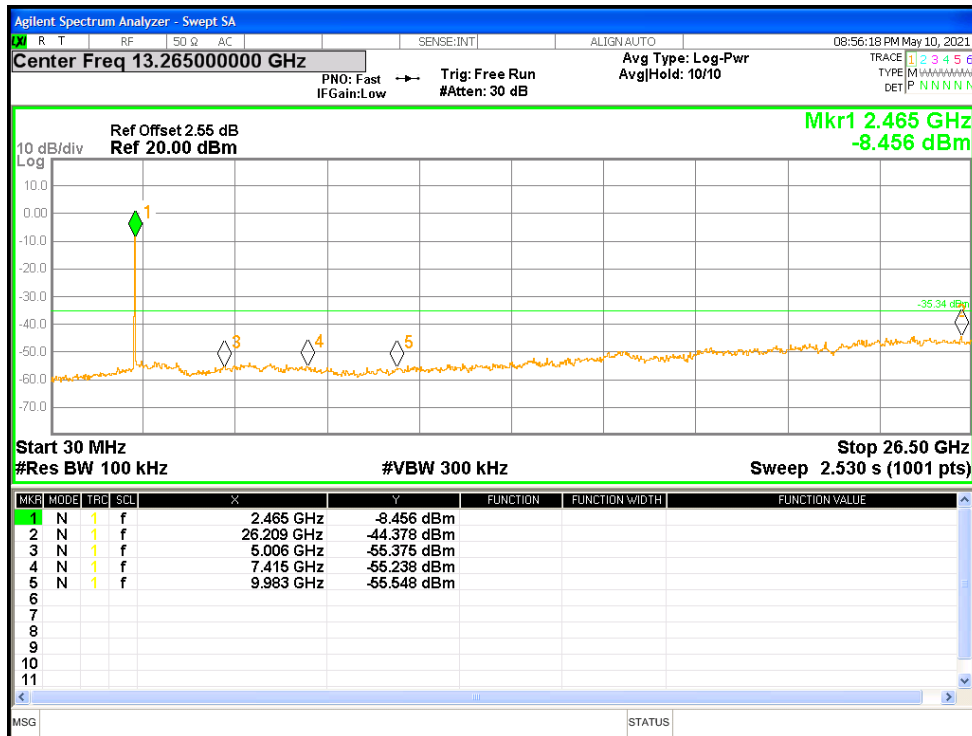
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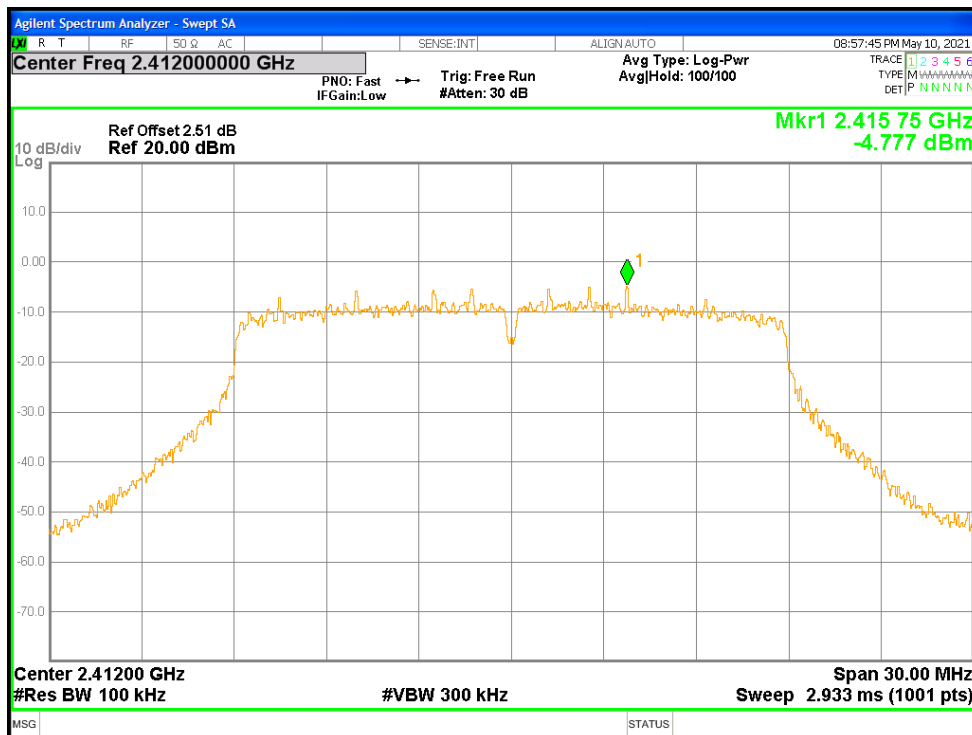
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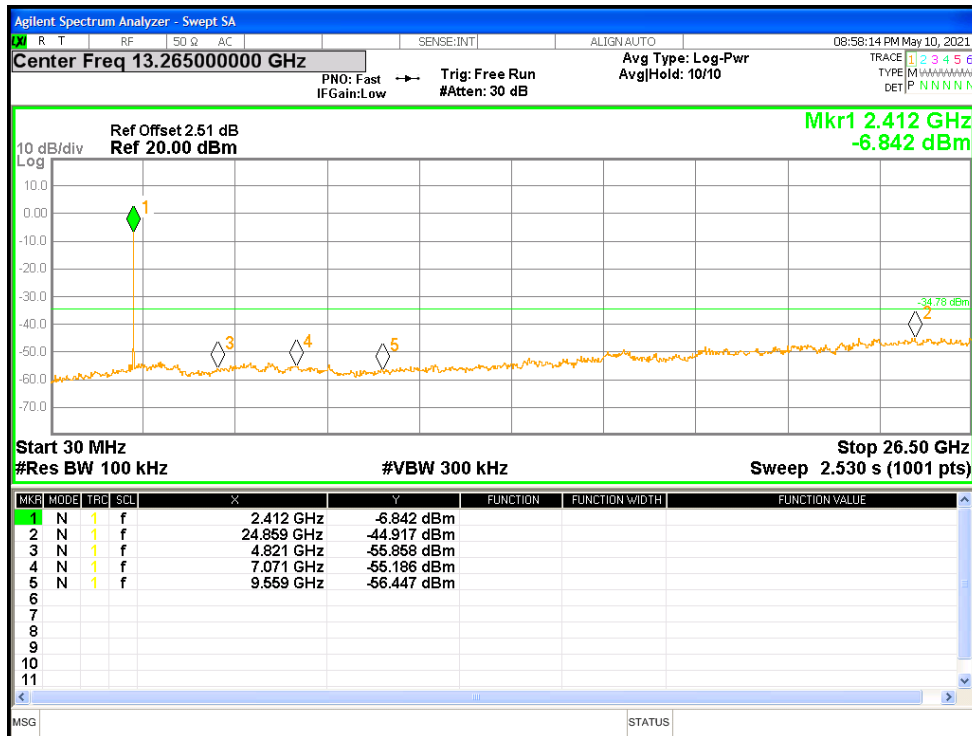
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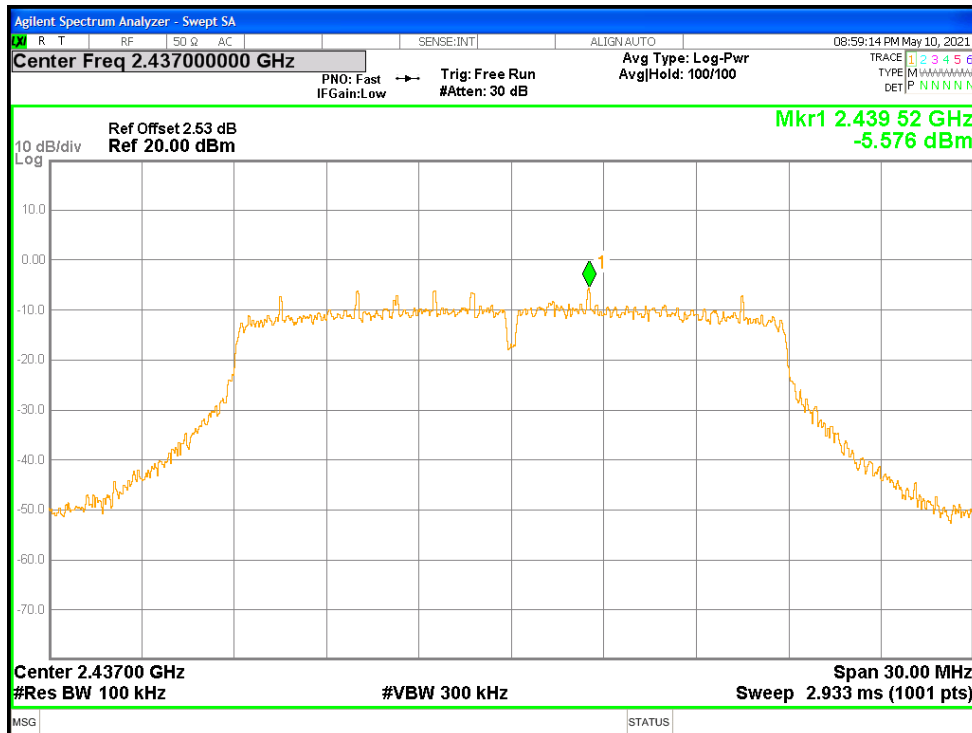
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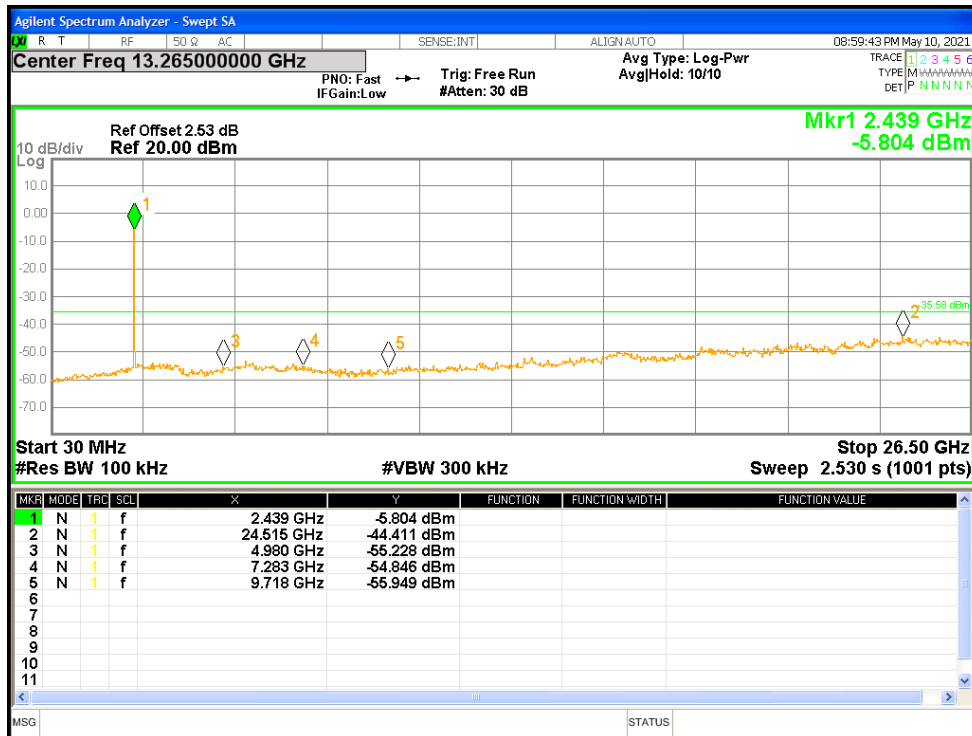
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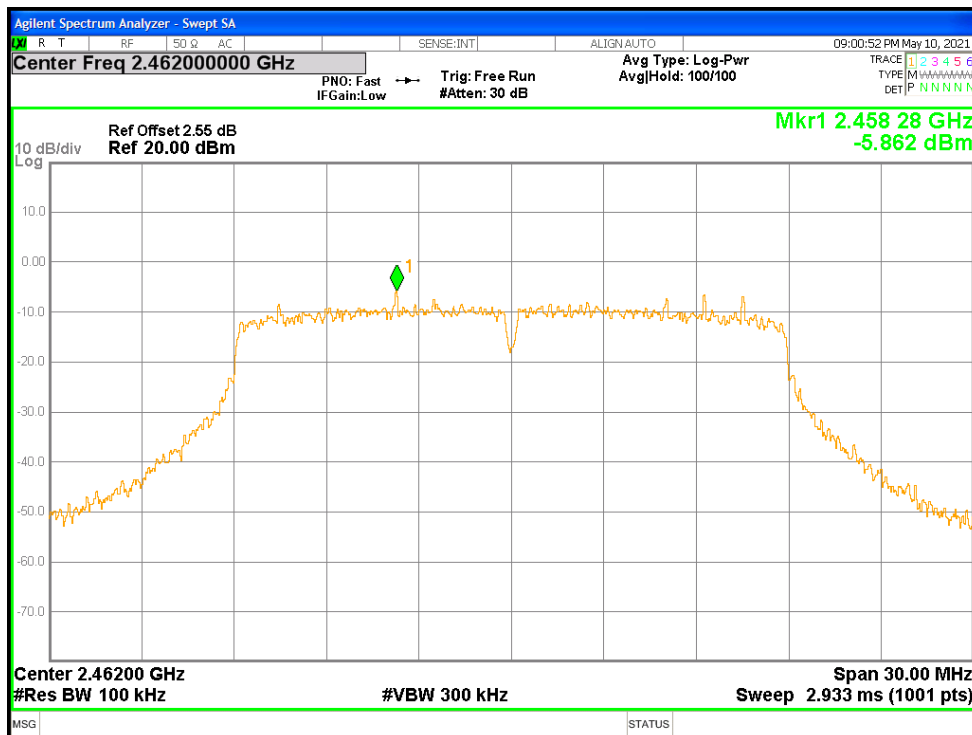
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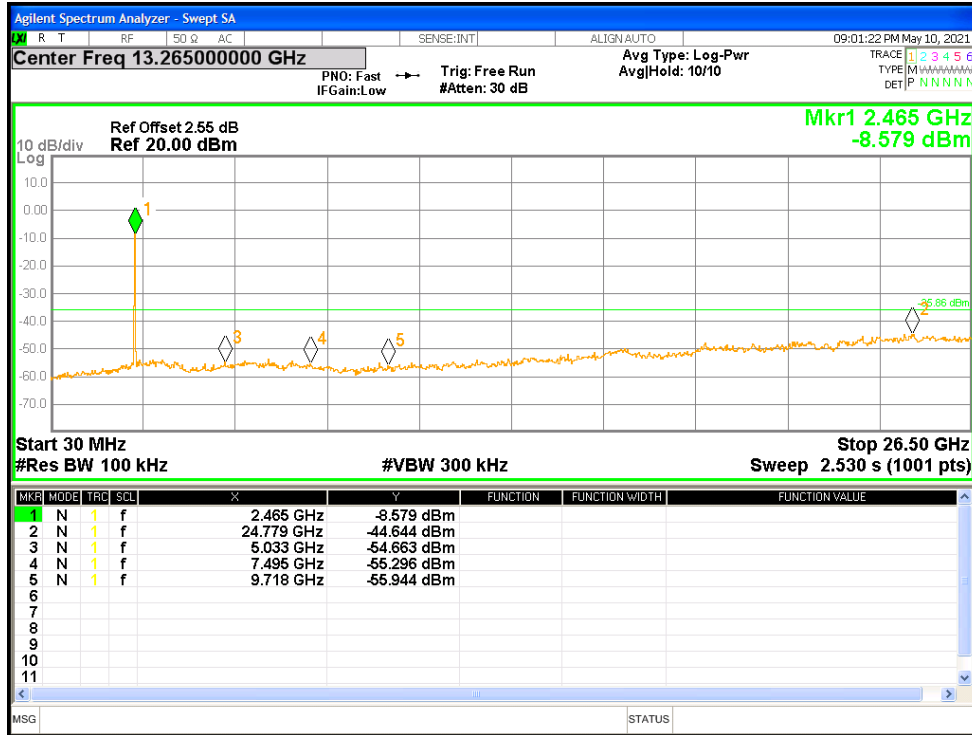
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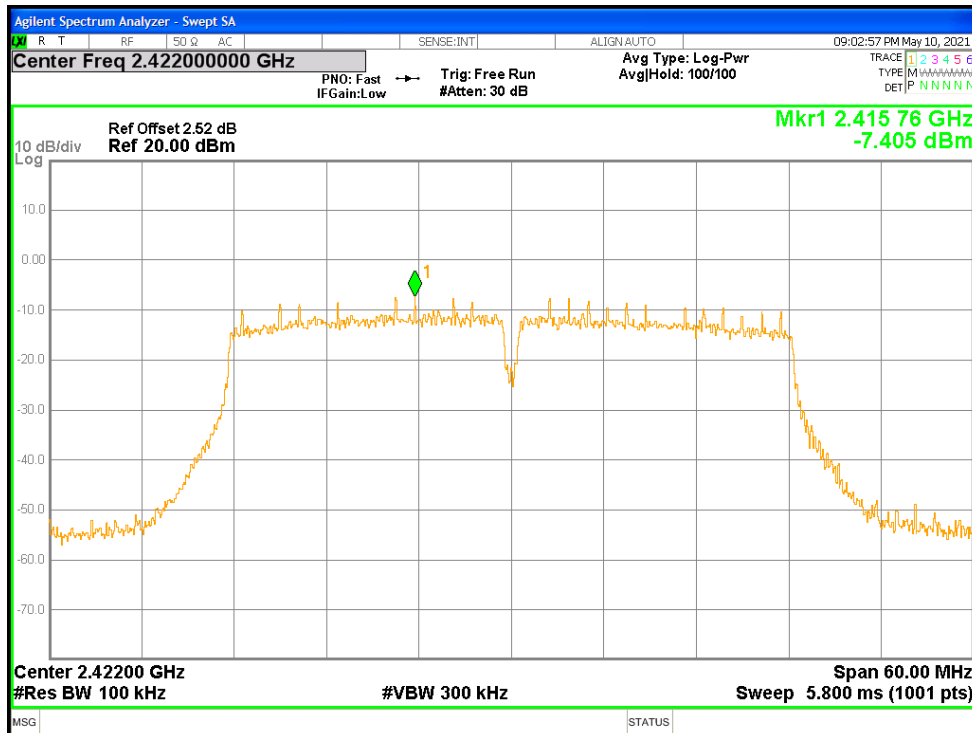
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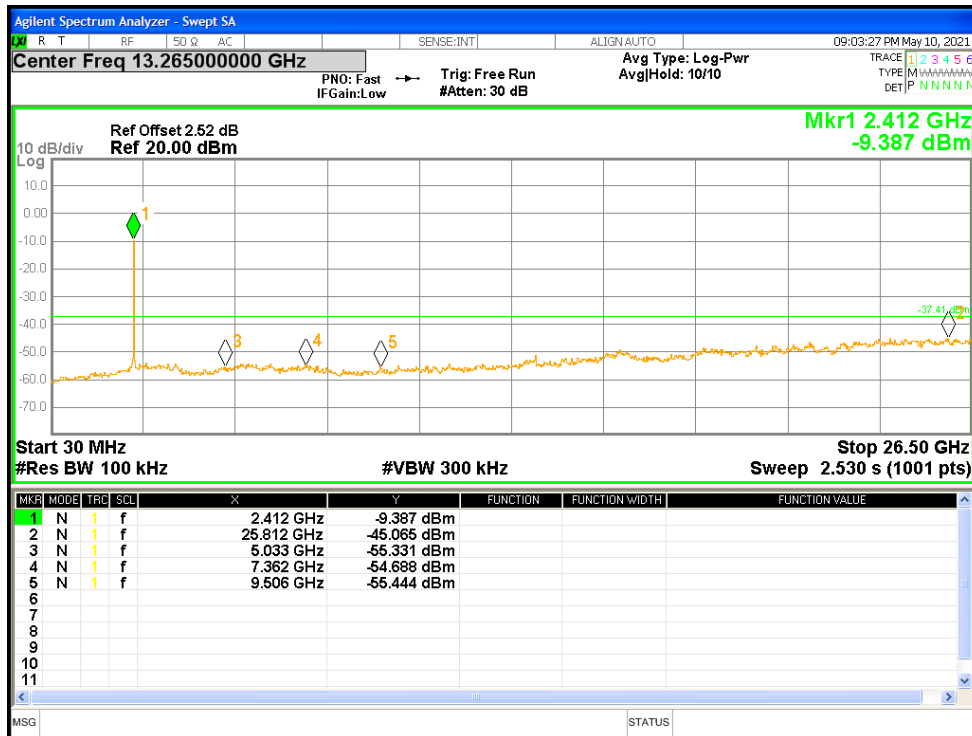
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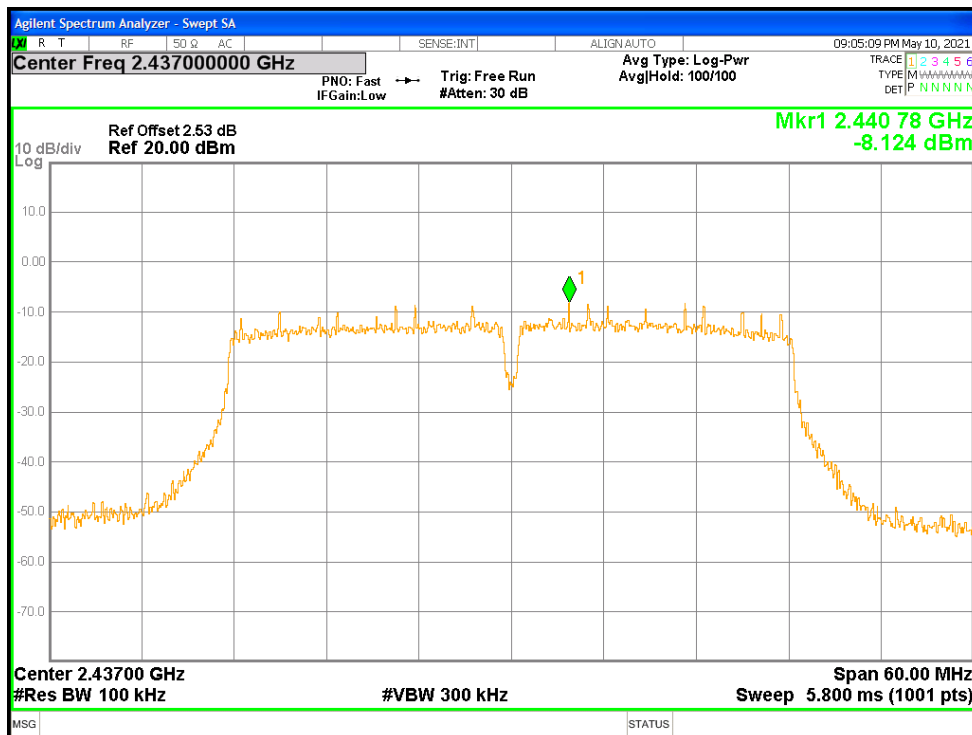
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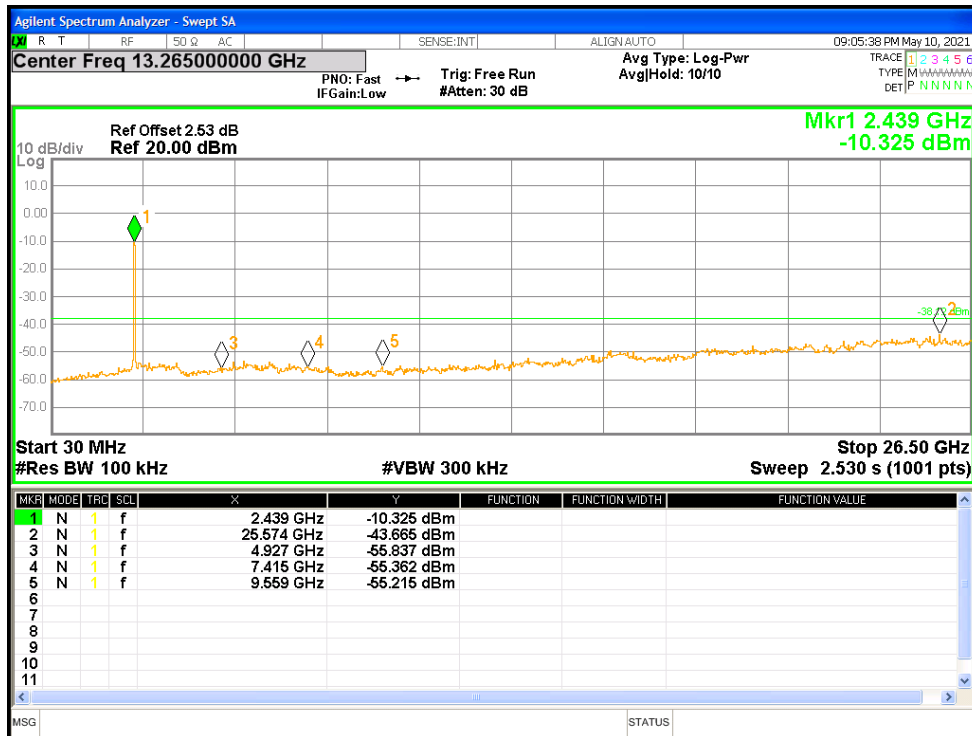
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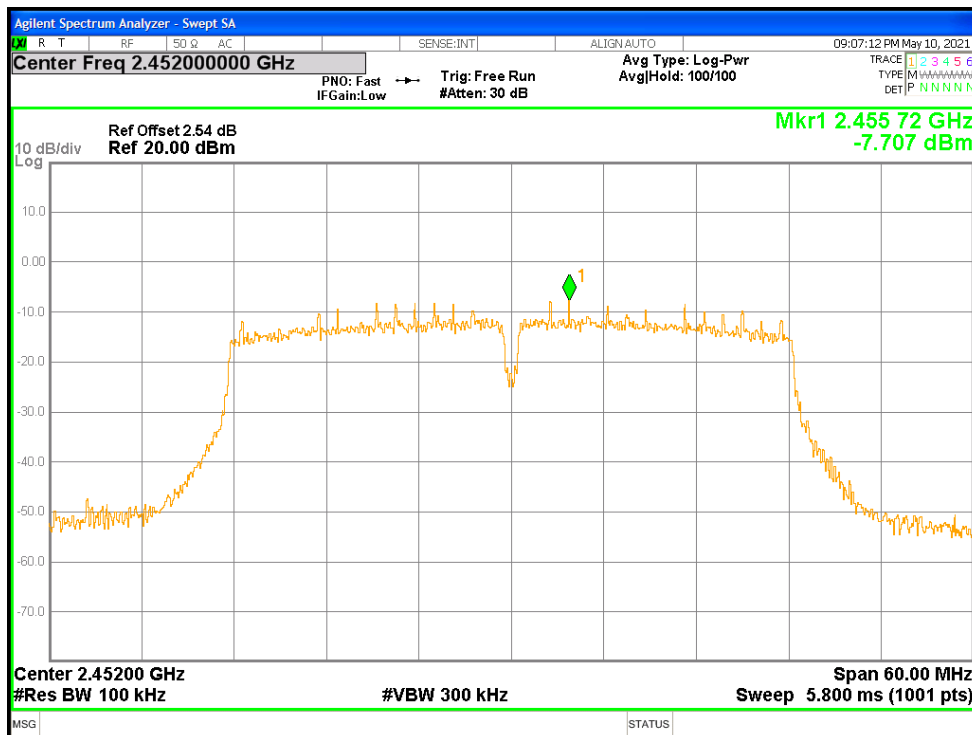
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

