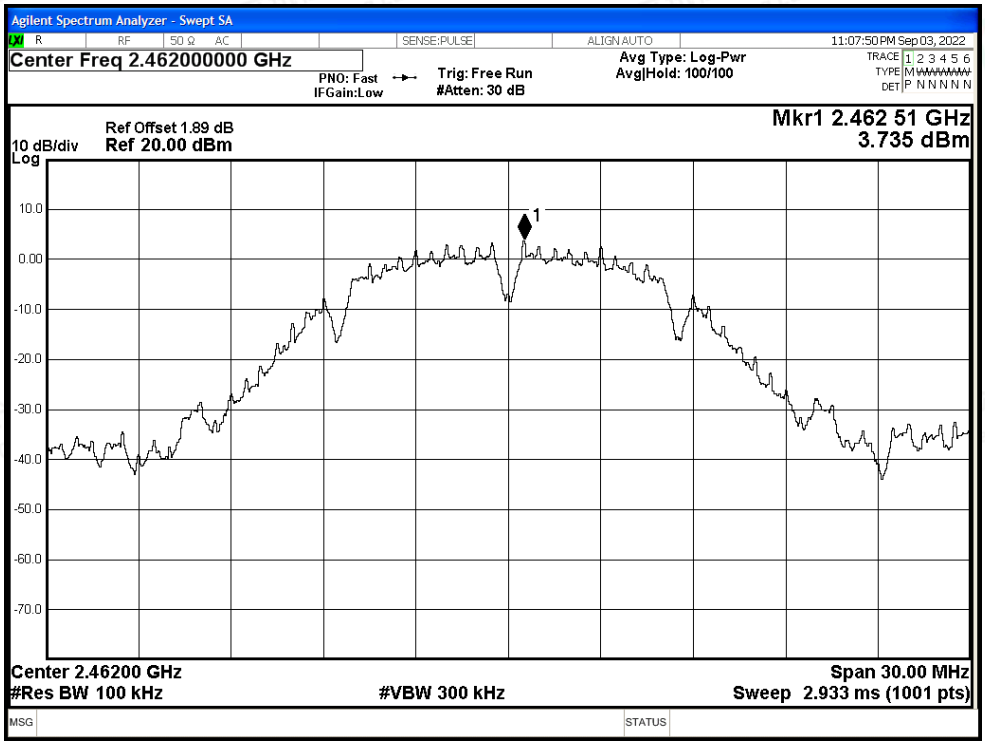
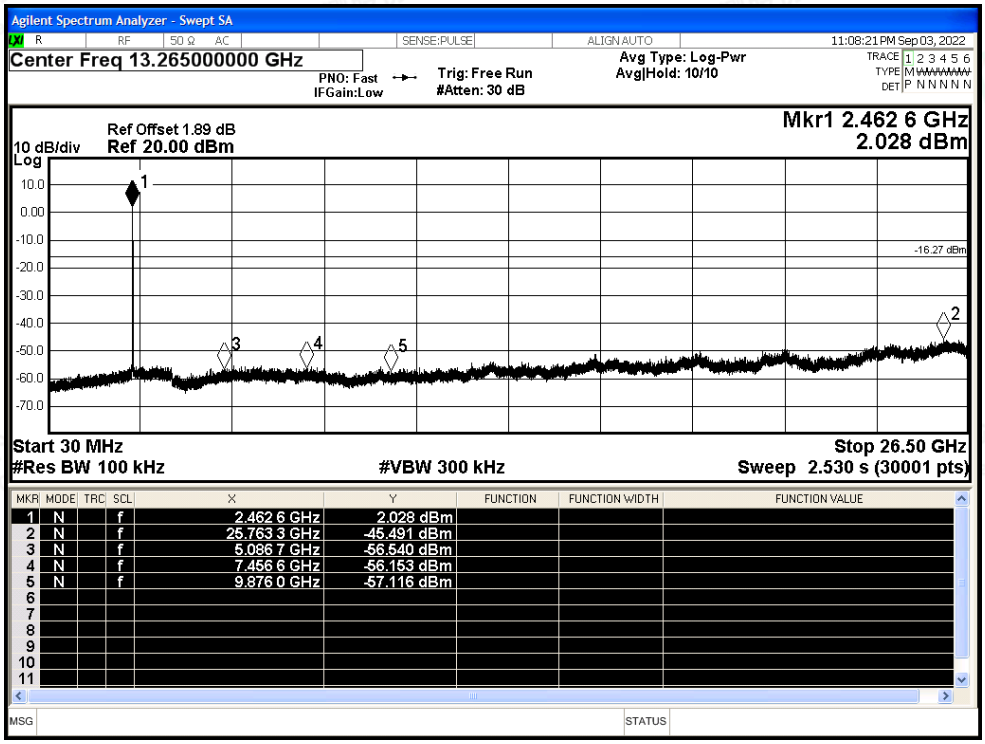
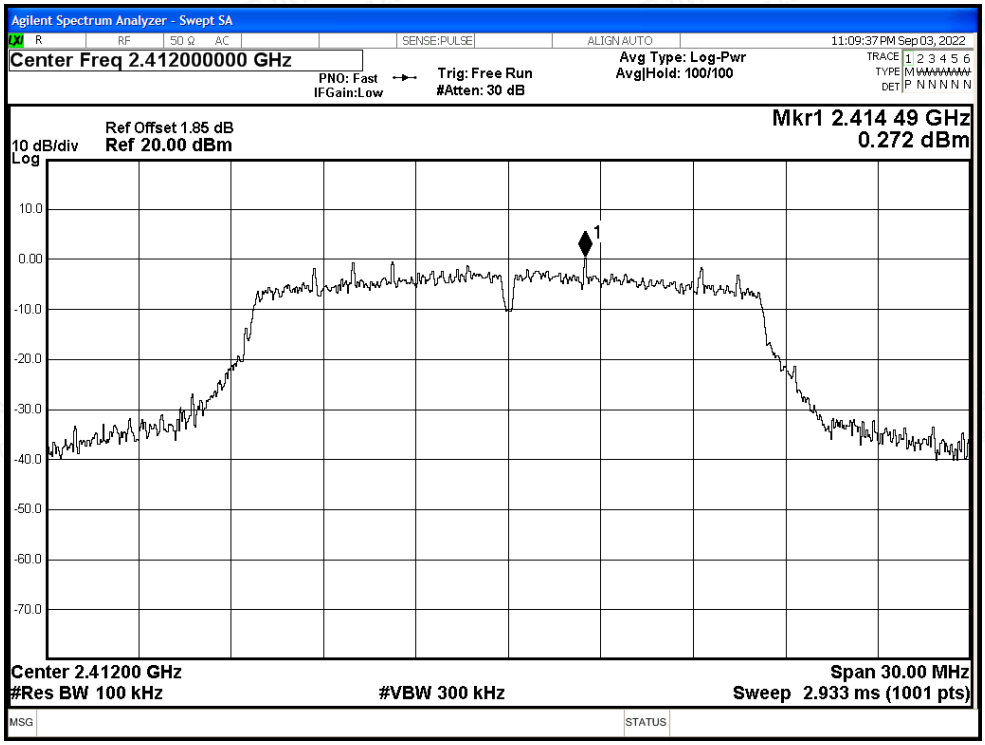
Tx. Spurious NVNT b 2462MHz Ant0 Ref



Tx. Spurious NVNT b 2462MHz Ant0 Emission



Tx. Spurious NVNT g 2412MHz Ant0 Ref



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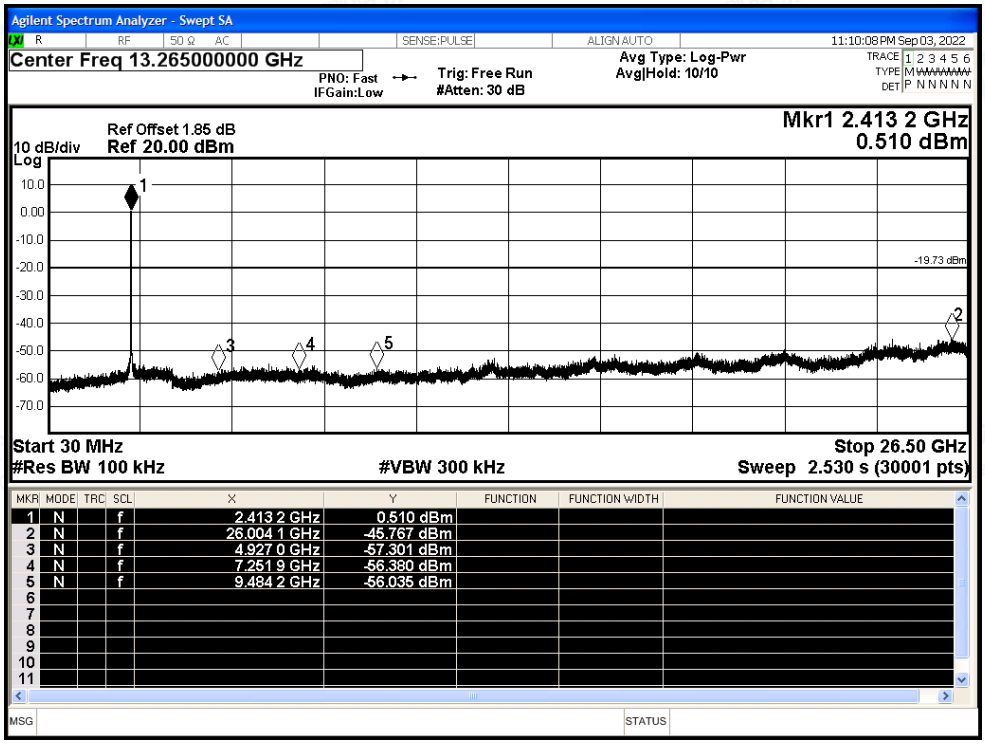

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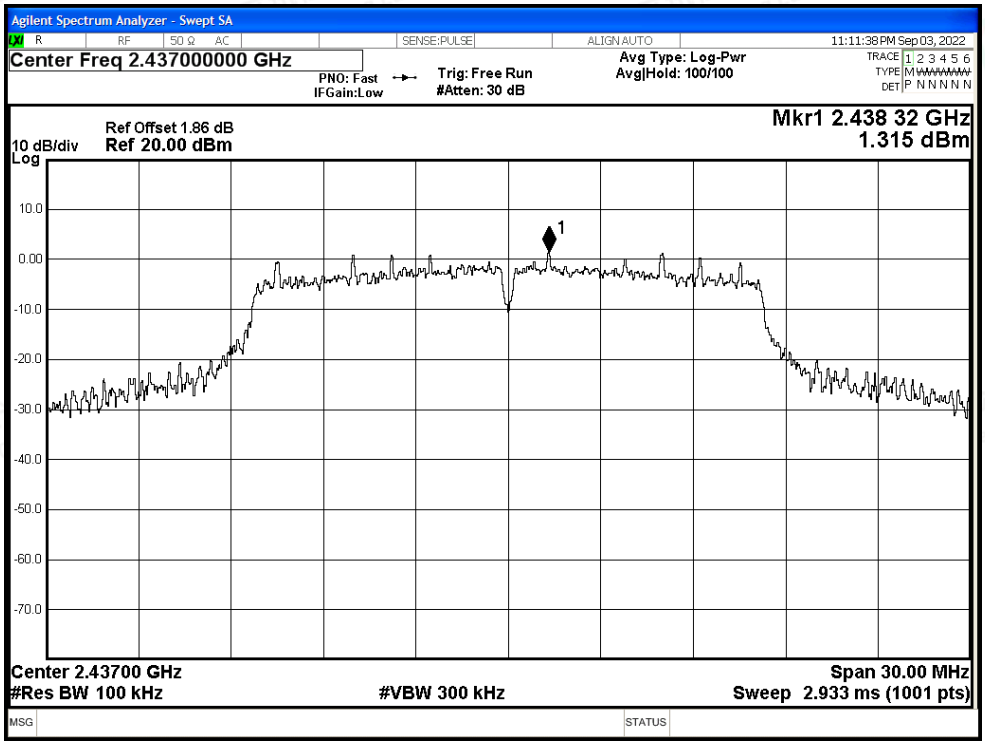

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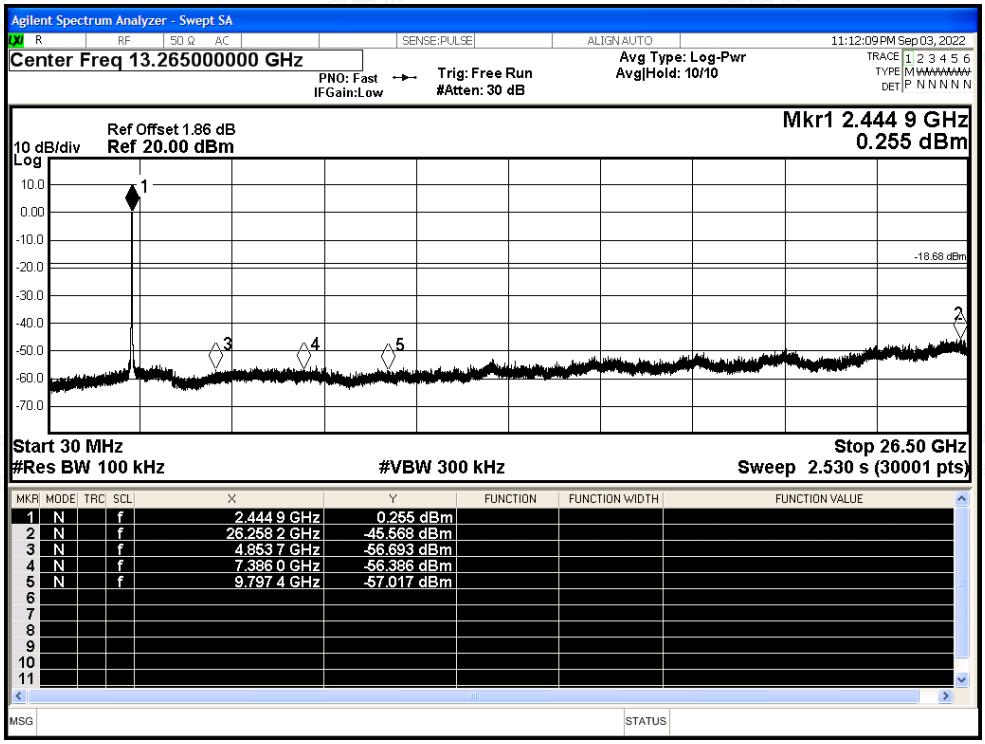

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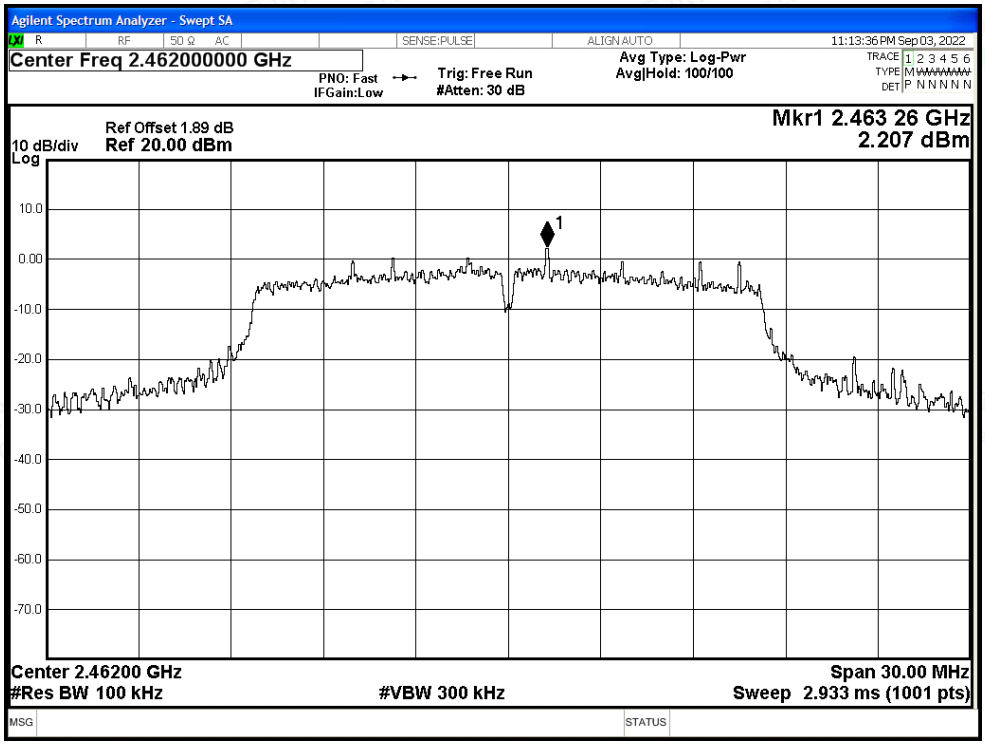

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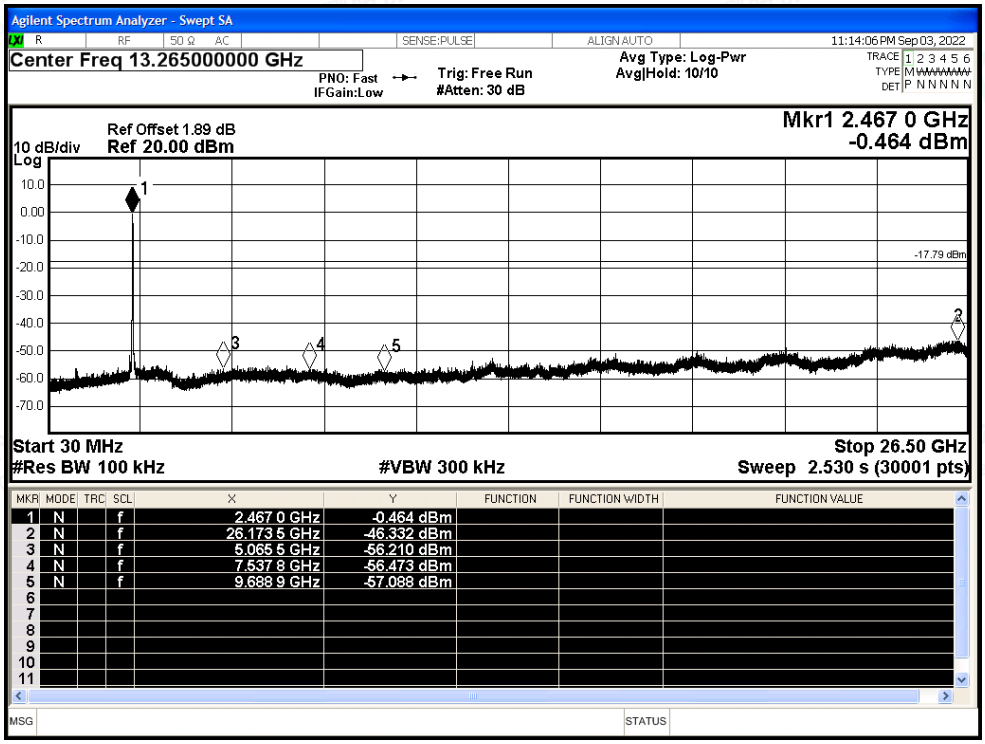

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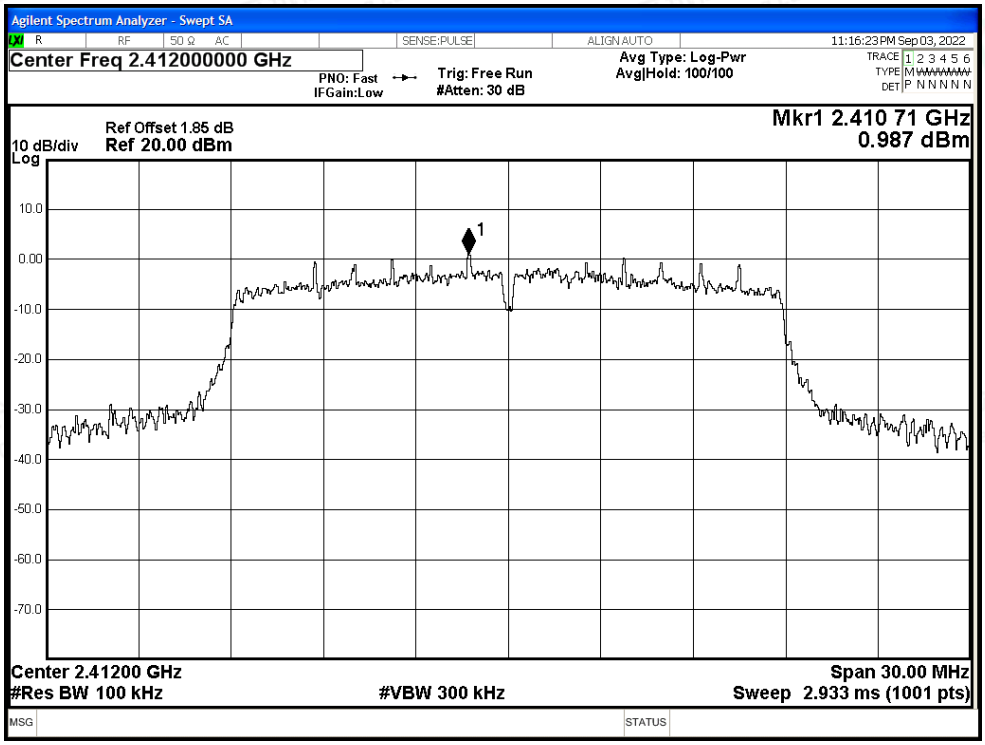

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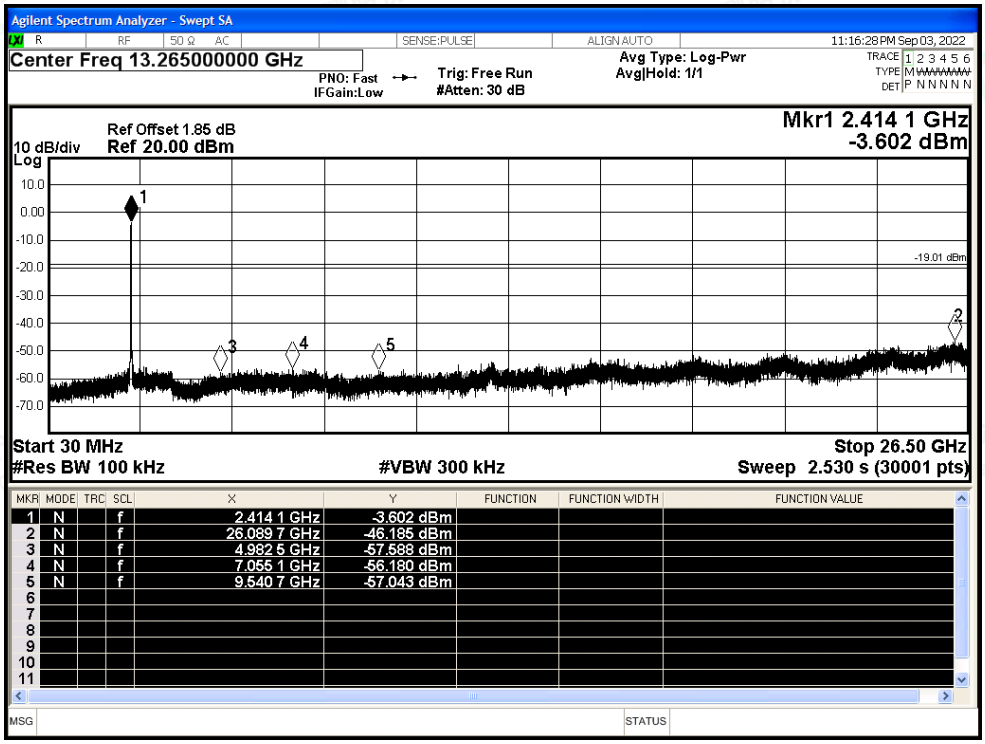

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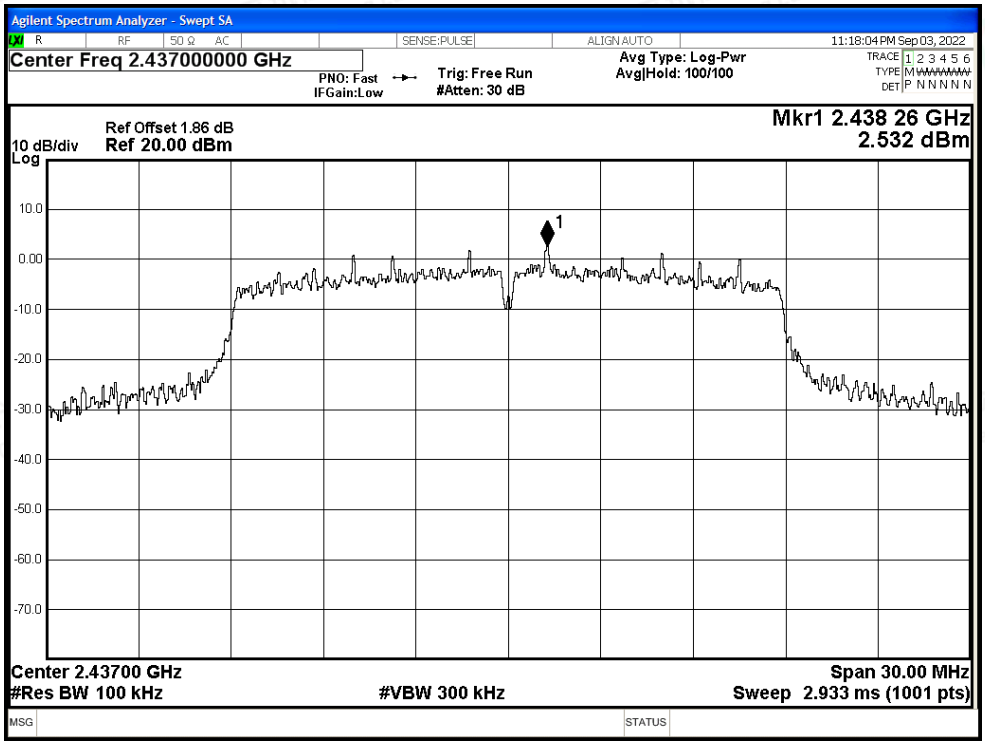

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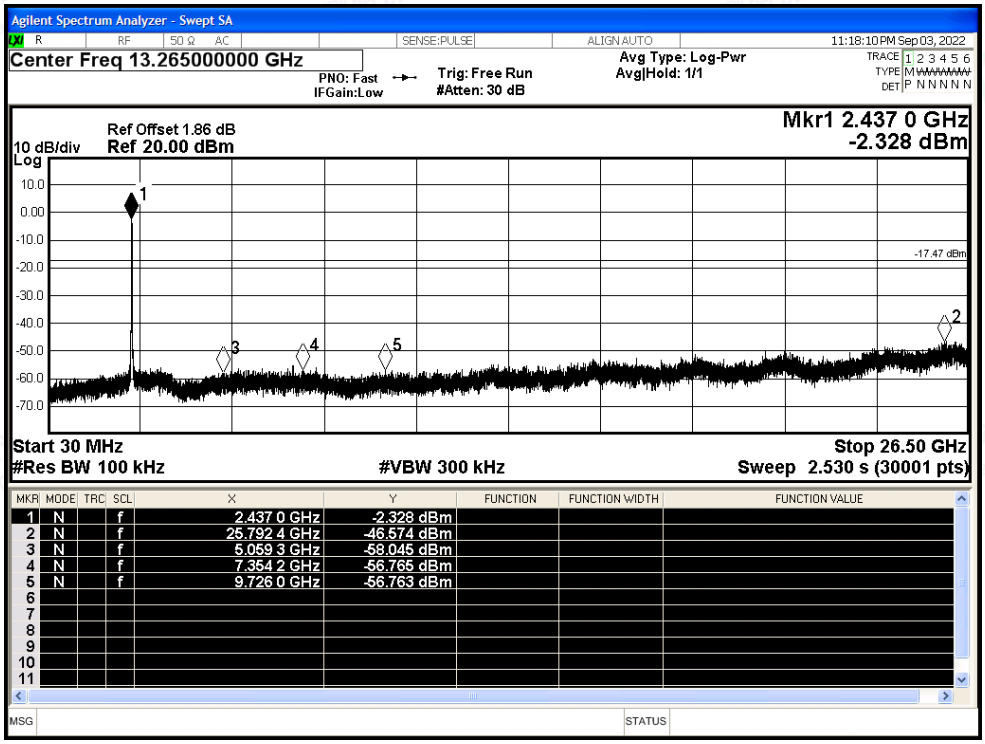
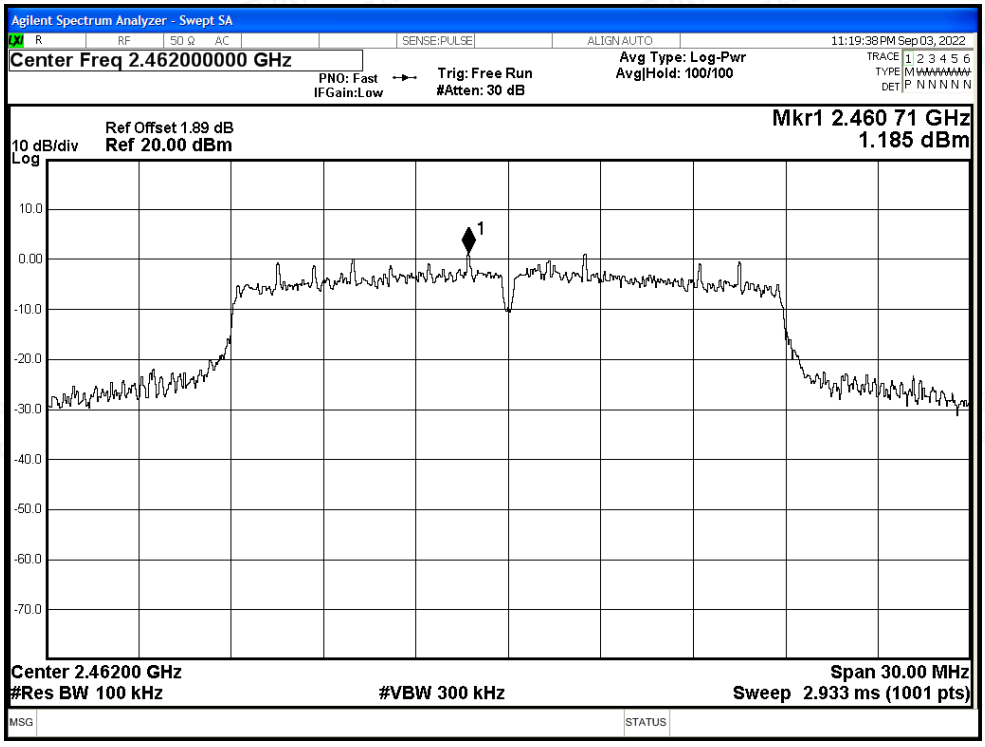
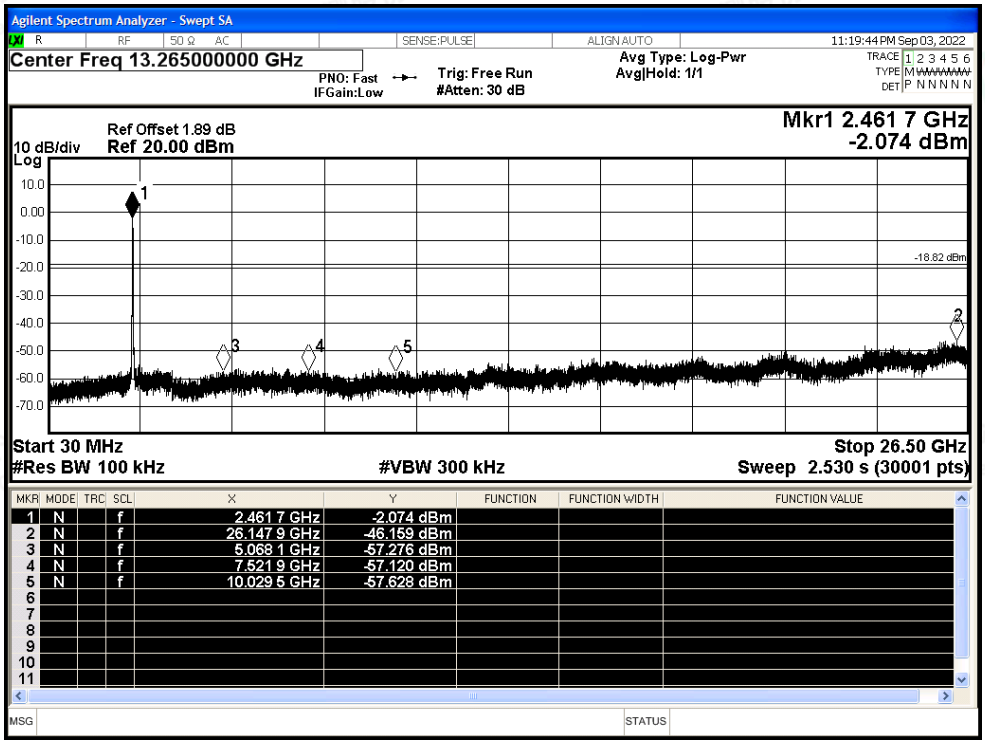


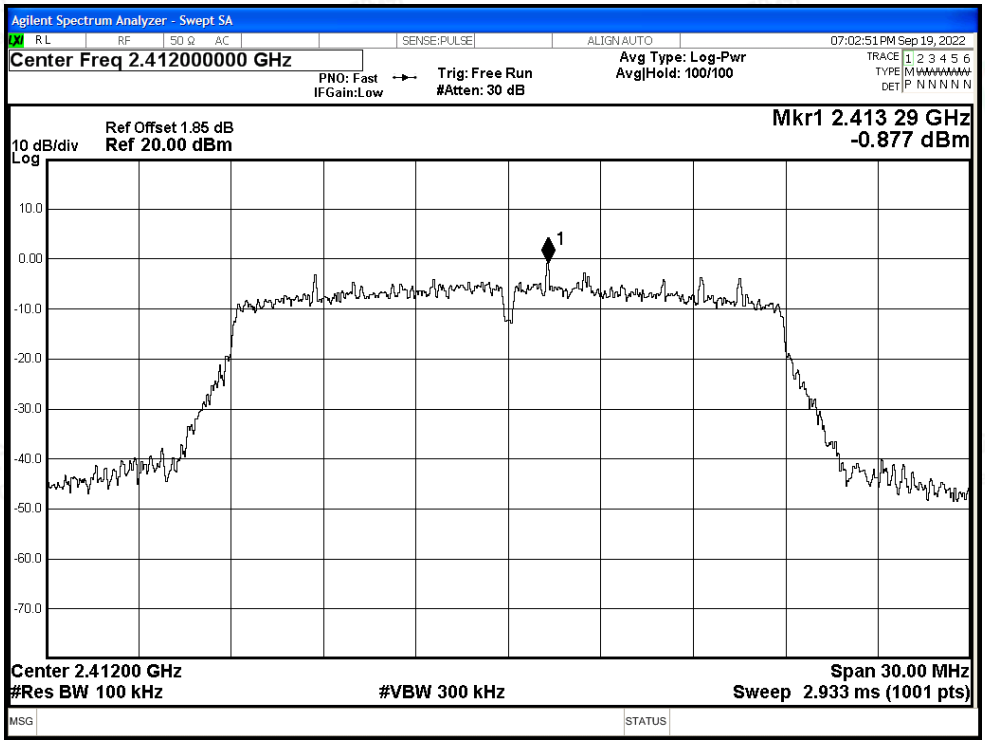
Tx. Spurious NVNT n20 2462MHz Ant0 Ref



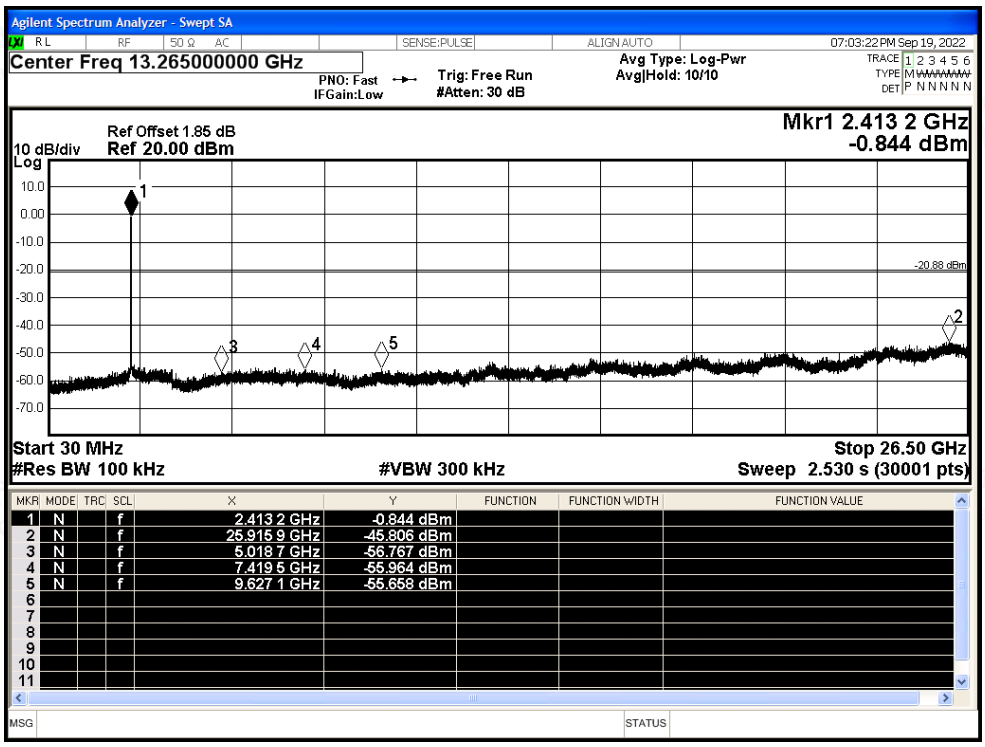
Tx. Spurious NVNT n20 2462MHz Ant0 Emission



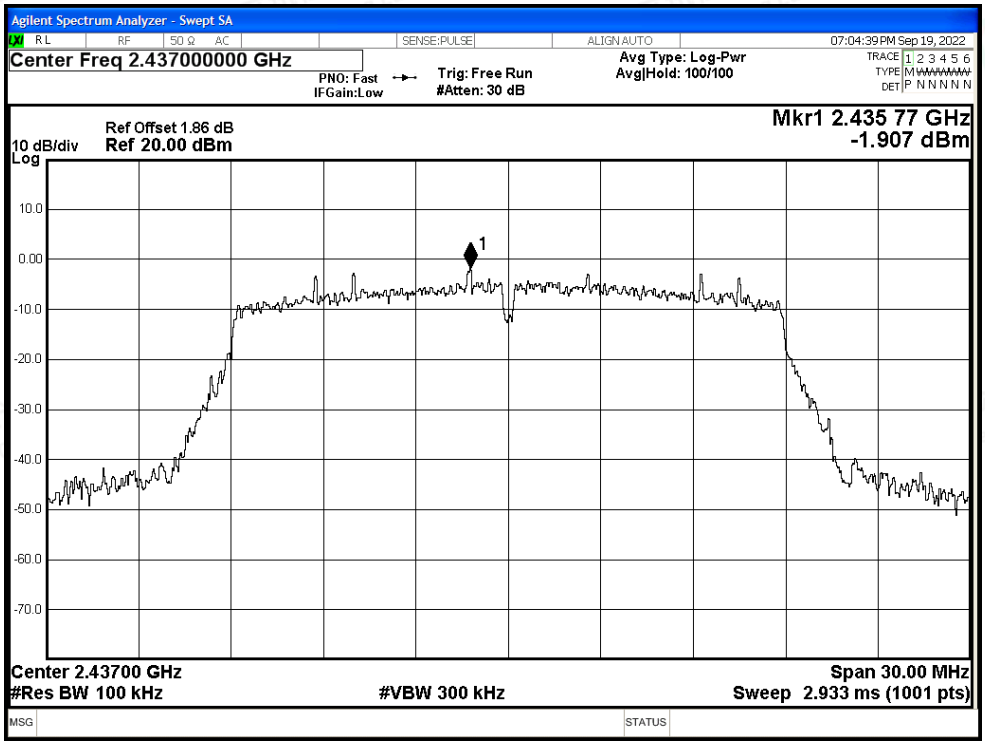
Tx. Spurious NVNT ax20 2412MHz Ant0 Ref



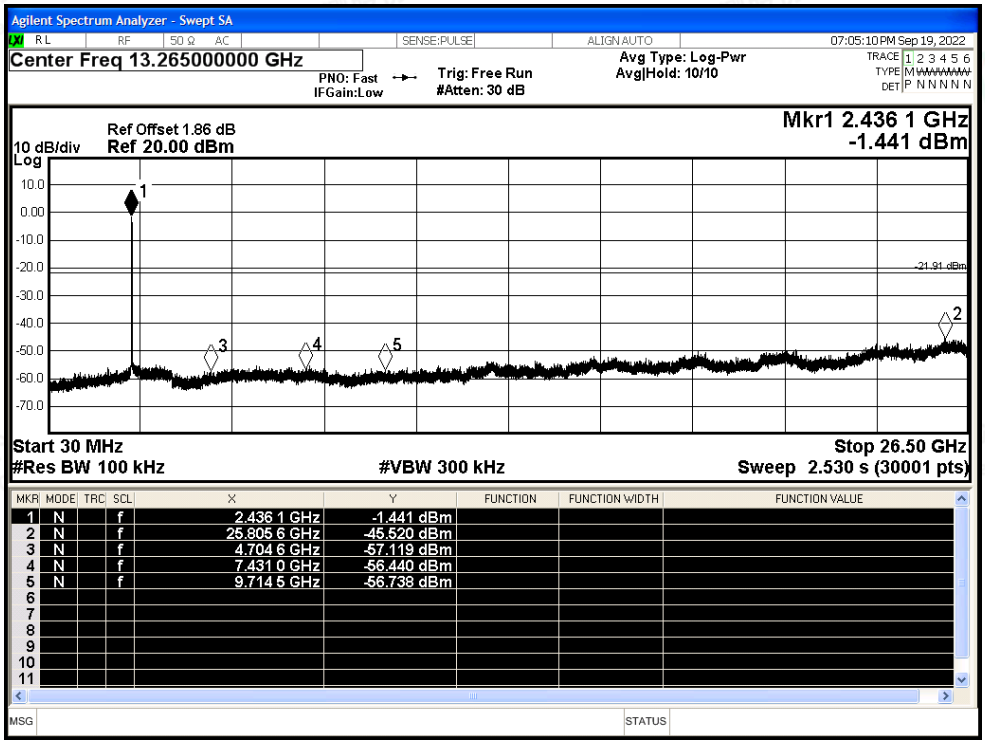
Tx. Spurious NVNT ax20 2412MHz Ant0 Emission



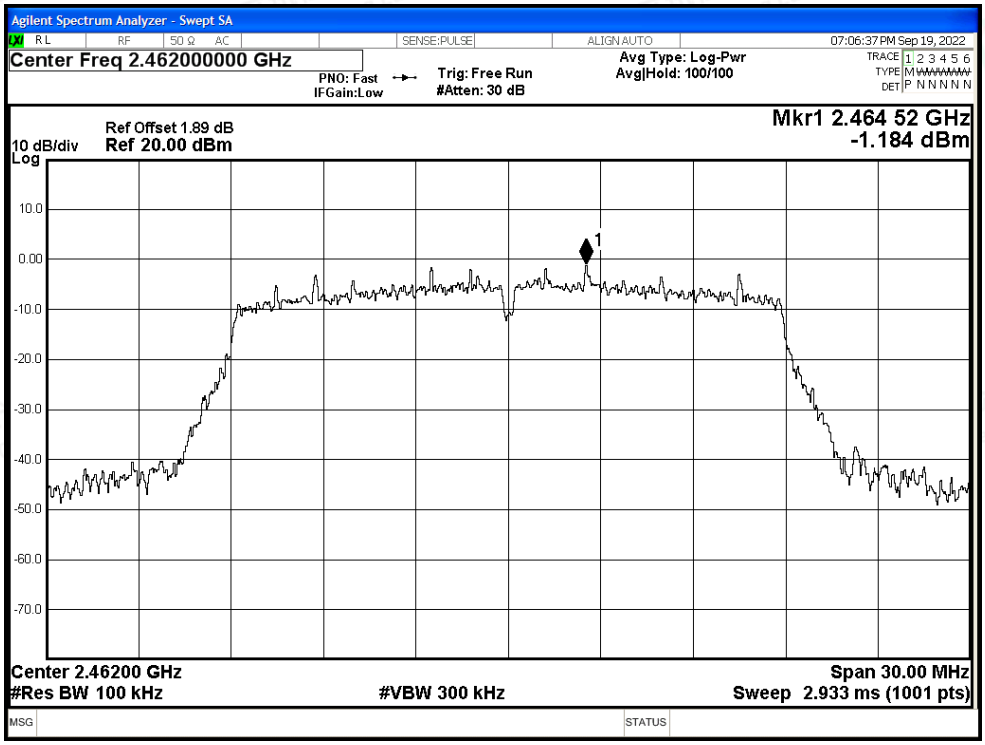
Tx. Spurious NVNT ax20 2437MHz Ant0 Ref



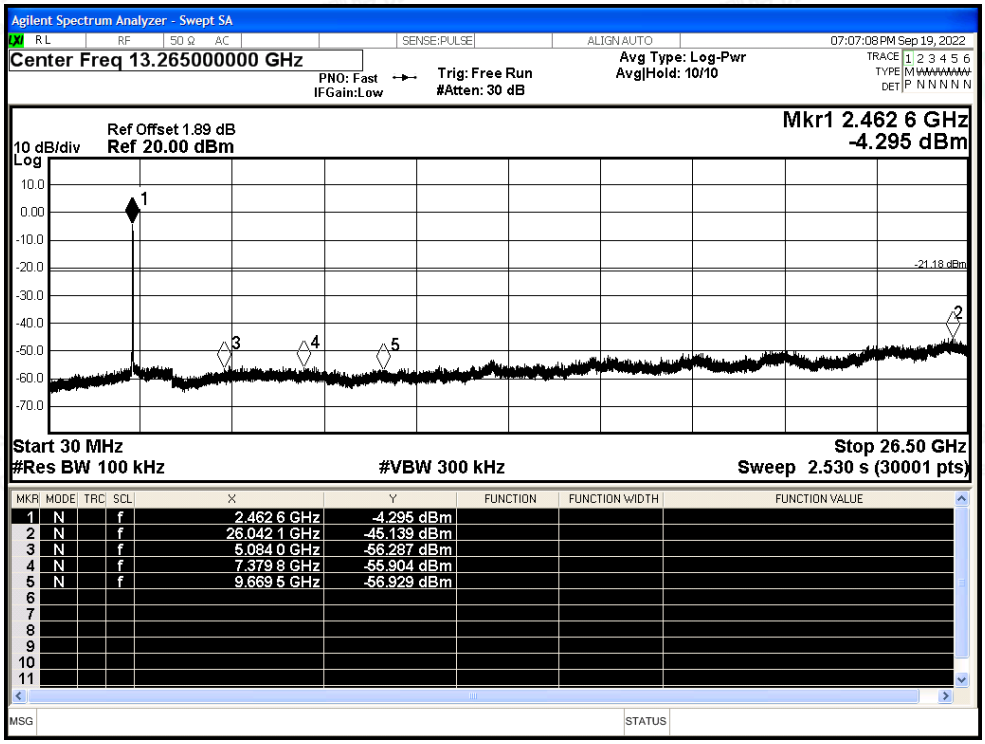
Tx. Spurious NVNT ax20 2437MHz Ant0 Emission



Tx. Spurious NVNT ax20 2462MHz Ant0 Ref



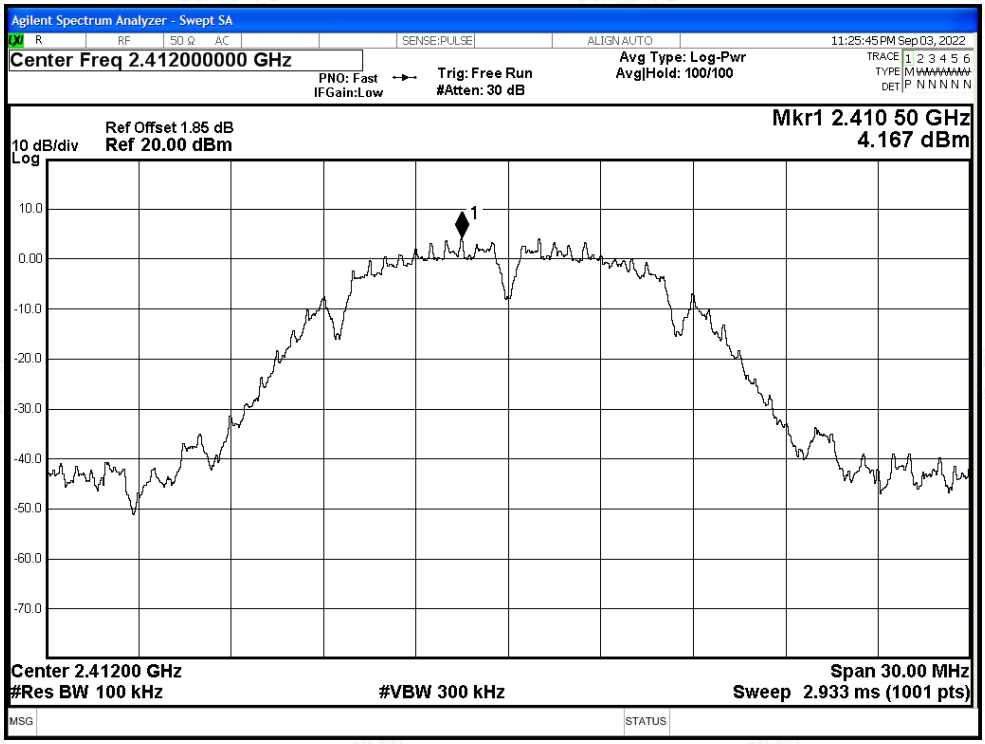
Tx. Spurious NVNT ax20 2462MHz Ant0 Emission



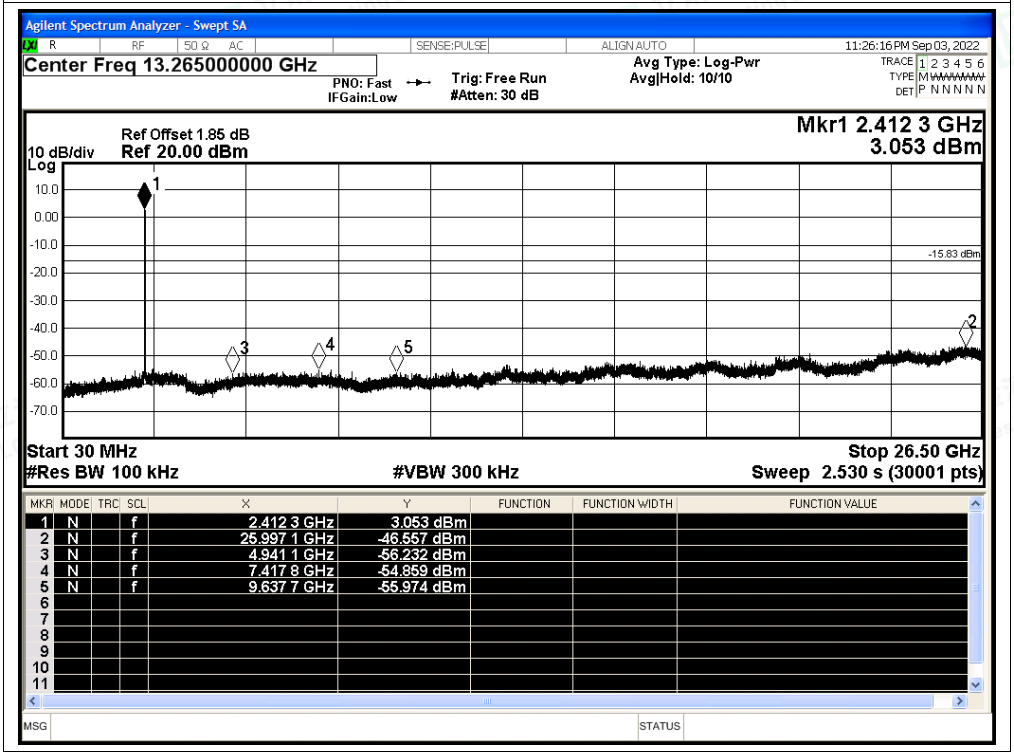
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.72	-20	Pass
NVNT	b	2437	Ant1	-49.32	-20	Pass
NVNT	b	2462	Ant1	-48.24	-20	Pass
NVNT	g	2412	Ant1	-46.5	-20	Pass
NVNT	g	2437	Ant1	-47.01	-20	Pass
NVNT	g	2462	Ant1	-47.27	-20	Pass
NVNT	n20	2412	Ant1	-46.6	-20	Pass
NVNT	n20	2437	Ant1	-48.65	-20	Pass
NVNT	n20	2462	Ant1	-48.04	-20	Pass
NVNT	ax20	2412	Ant1	-43.91	-20	Pass
NVNT	ax20	2437	Ant1	-44.64	-20	Pass
NVNT	ax20	2462	Ant1	-43.98	-20	Pass

Test Graphs

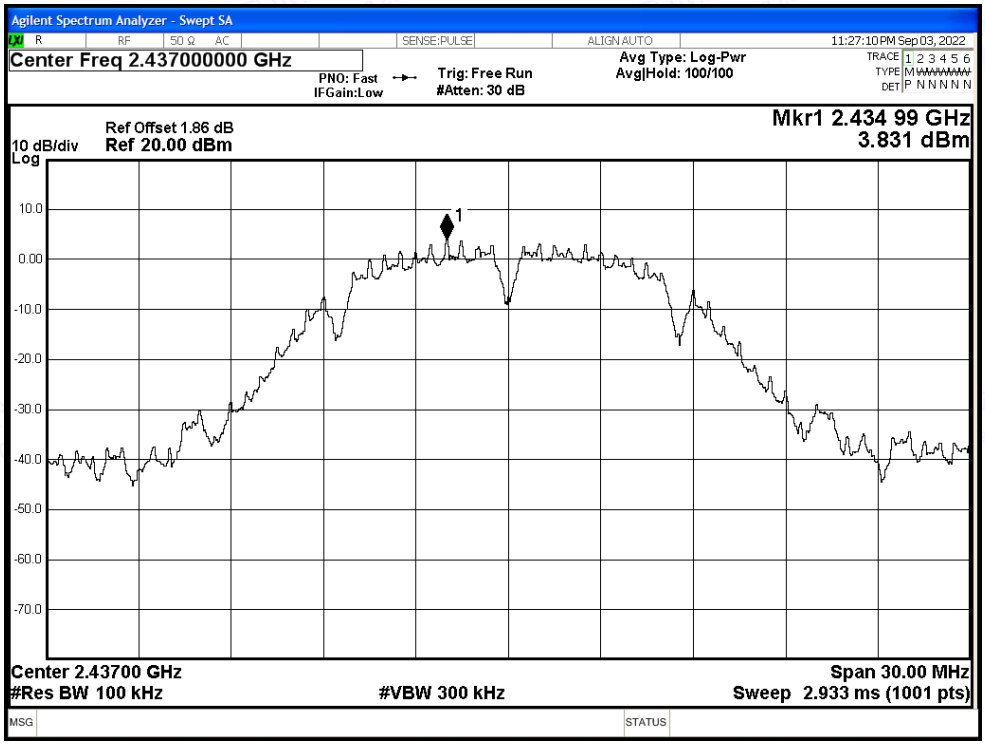
Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



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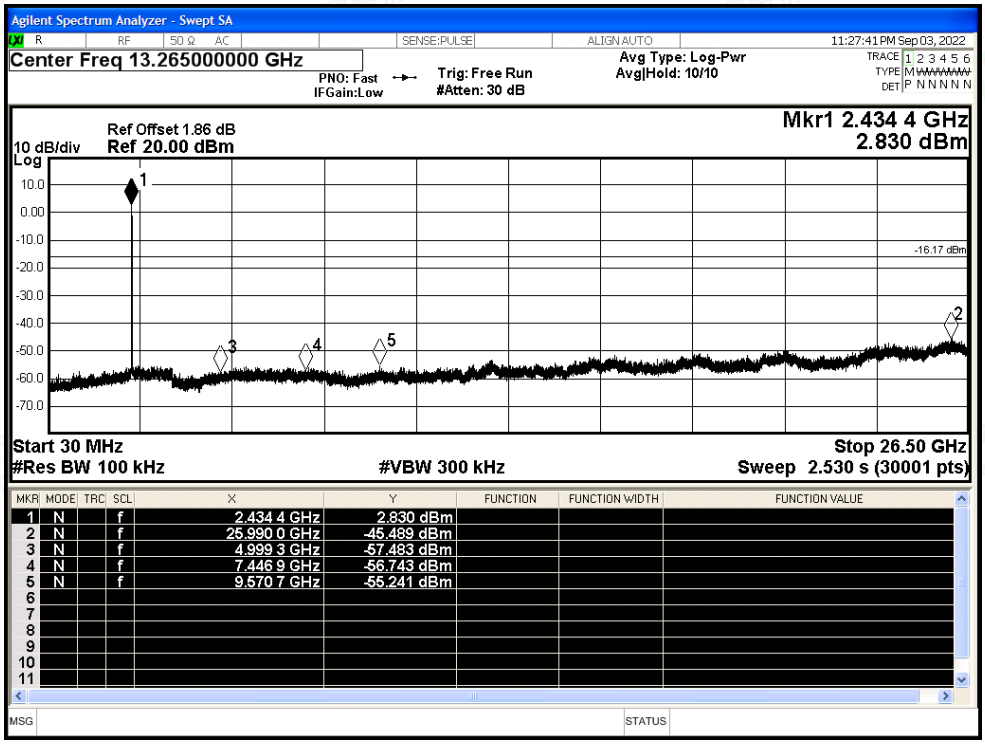
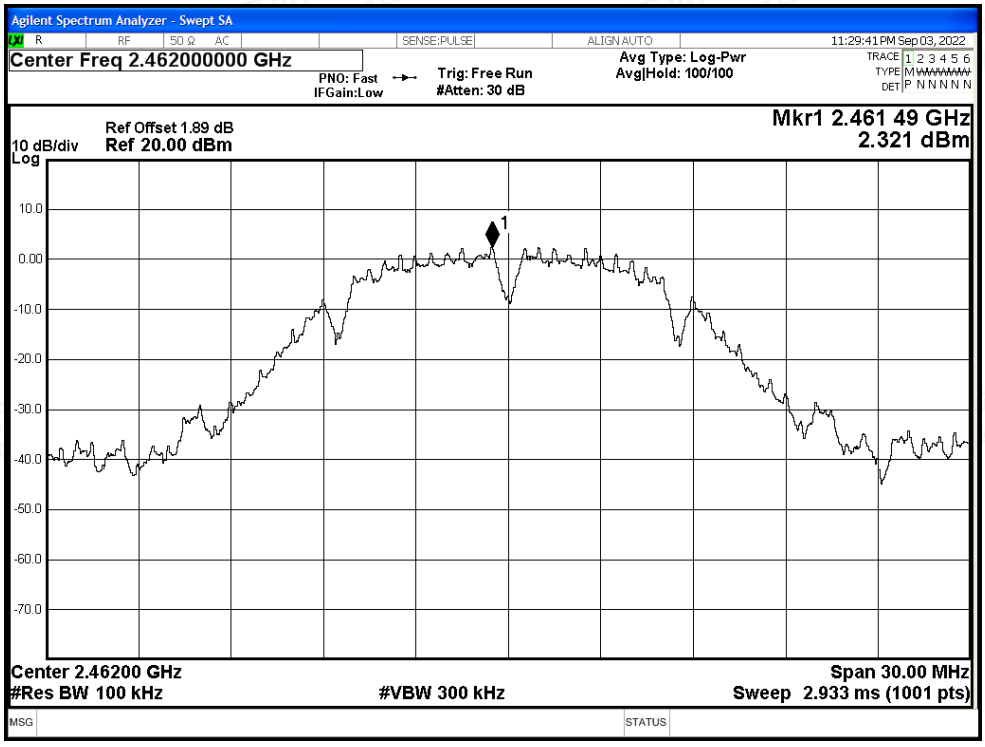
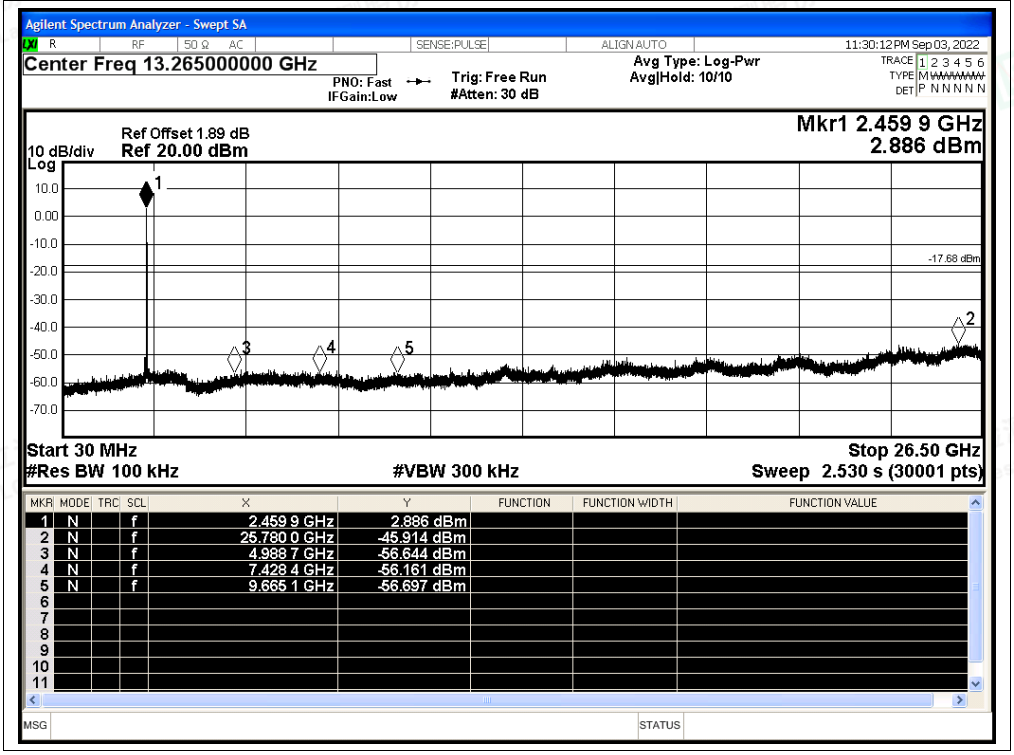


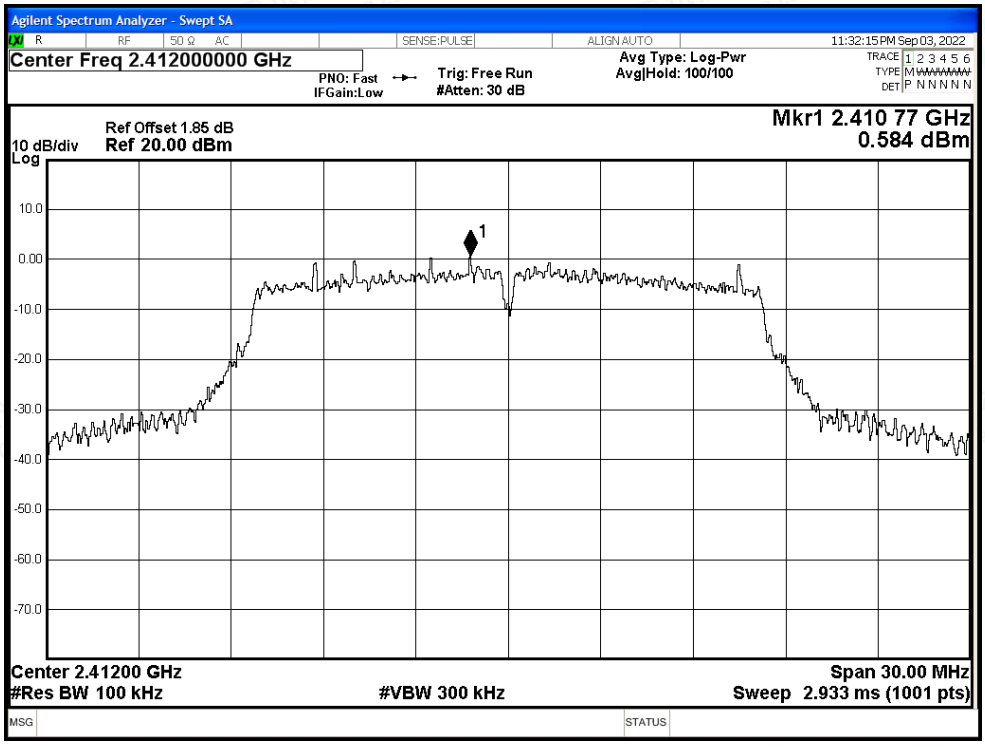
Tx. Spurious NVNT b 2462MHz Ant1 Ref



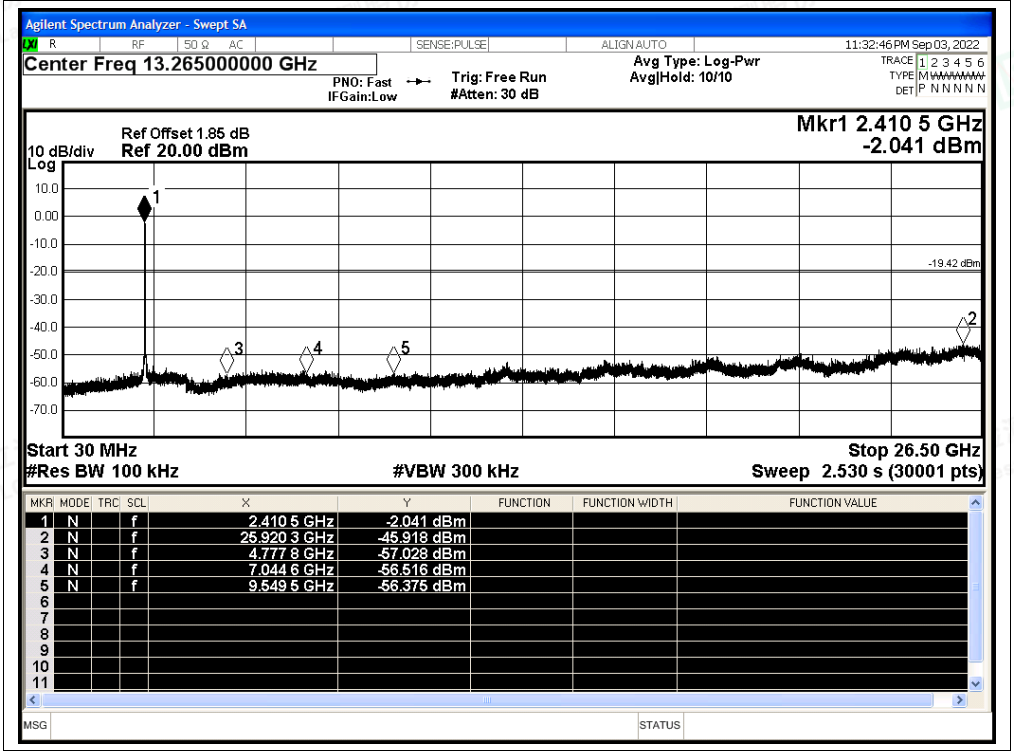
Tx. Spurious NVNT b 2462MHz Ant1 Emission



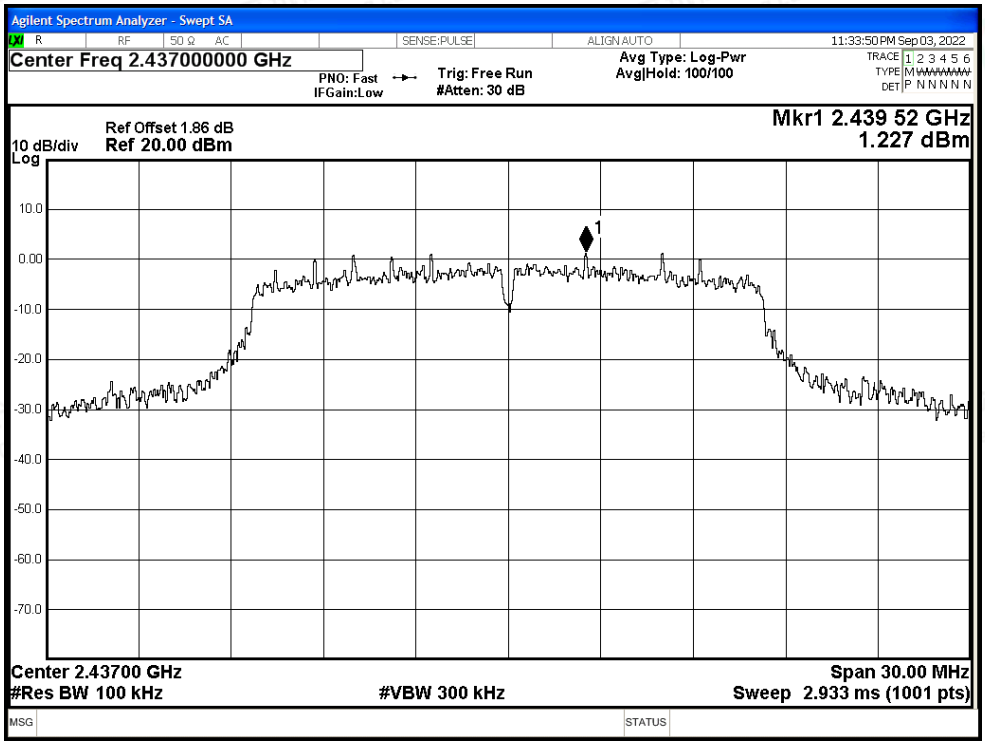
Tx. Spurious NVNT g 2412MHz Ant1 Ref



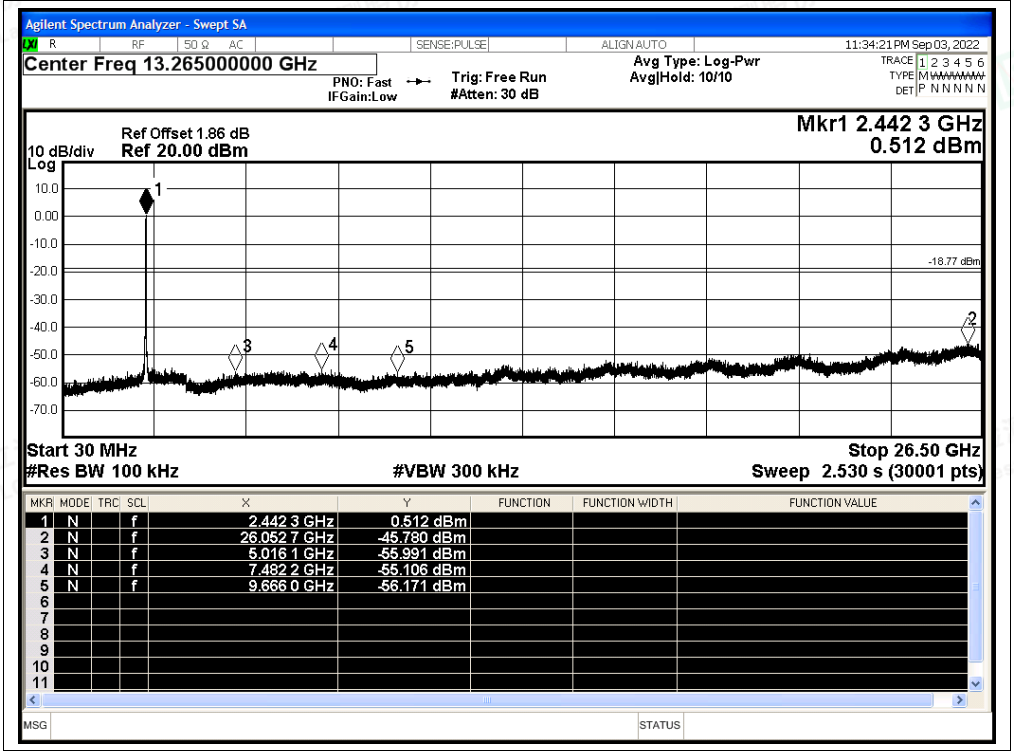
Tx. Spurious NVNT g 2412MHz Ant1 Emission



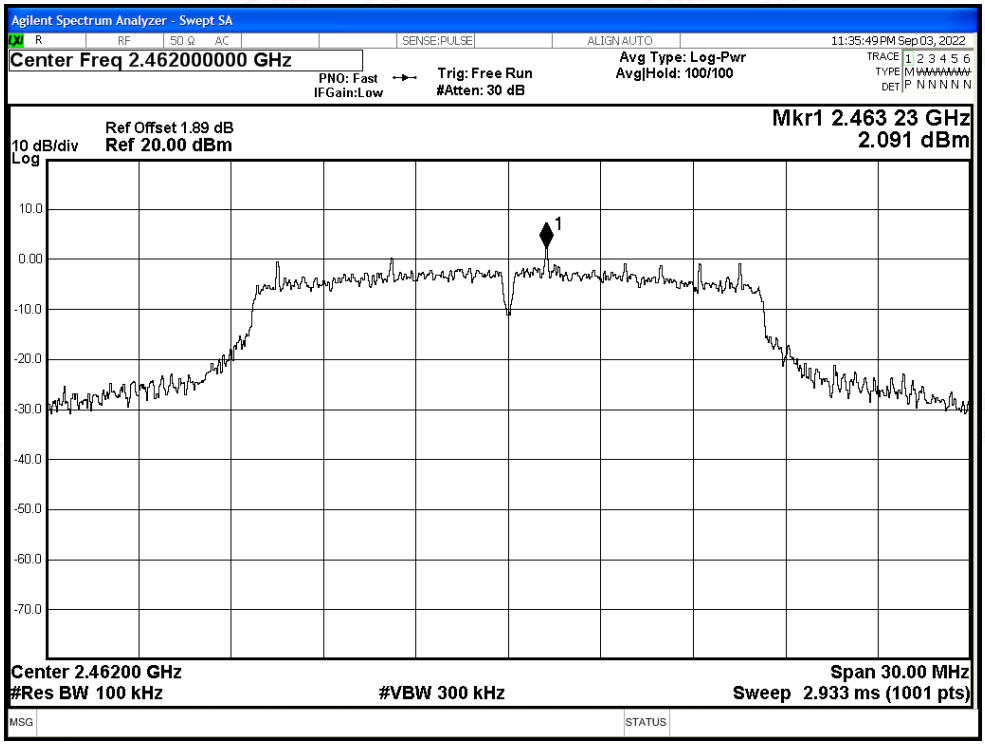
Tx. Spurious NVNT g 2437MHz Ant1 Ref



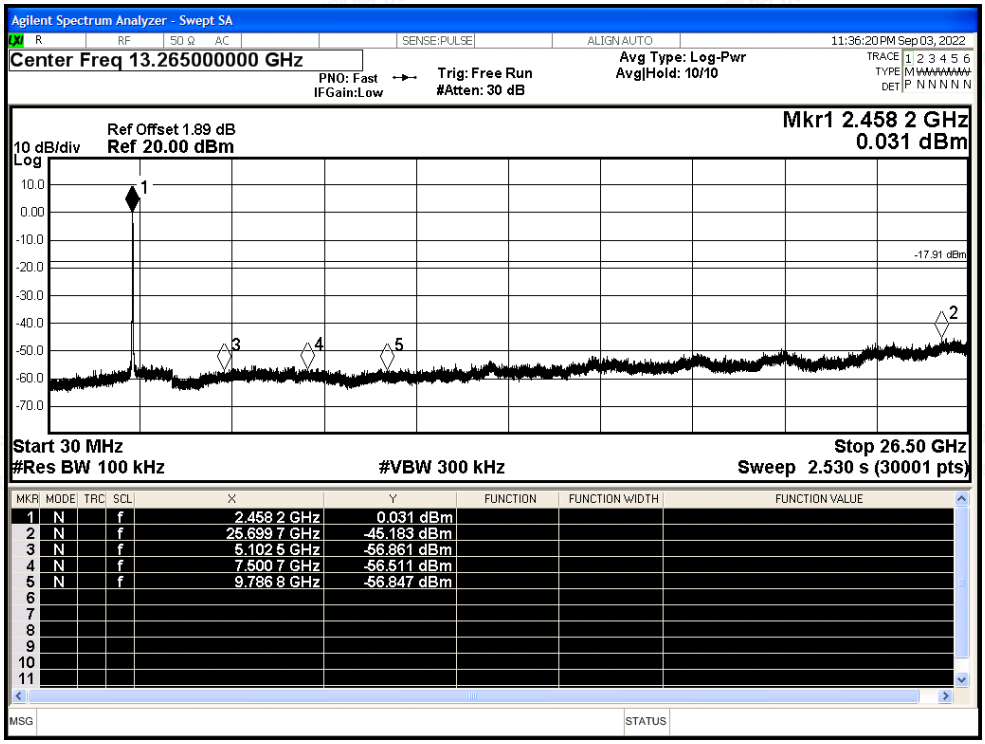
Tx. Spurious NVNT g 2437MHz Ant1 Emission



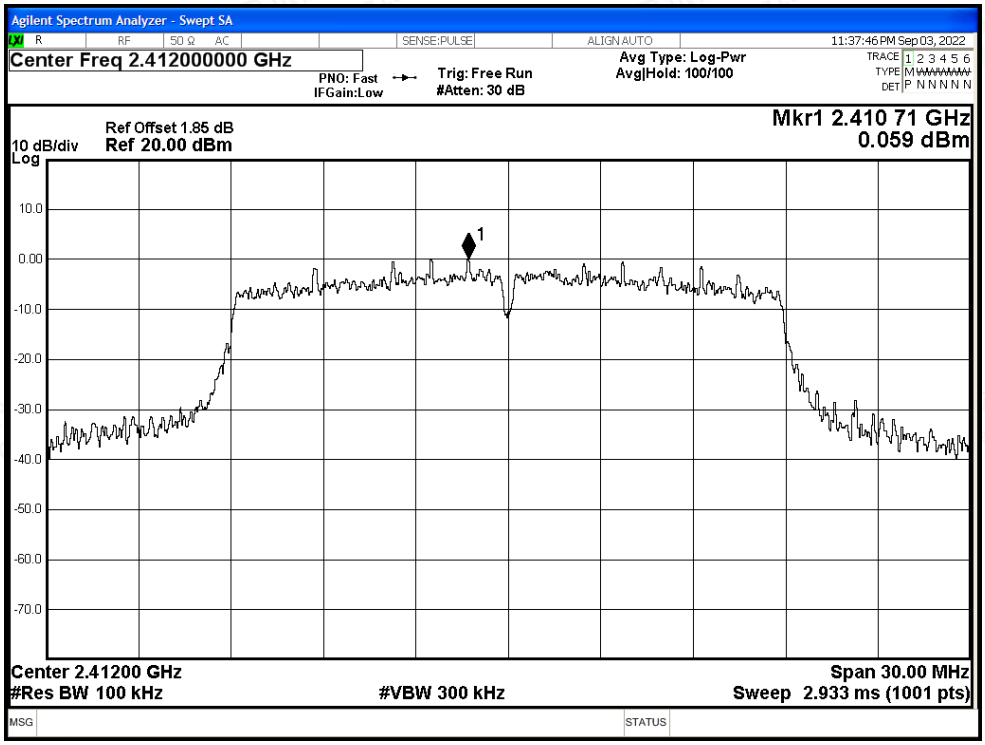
Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



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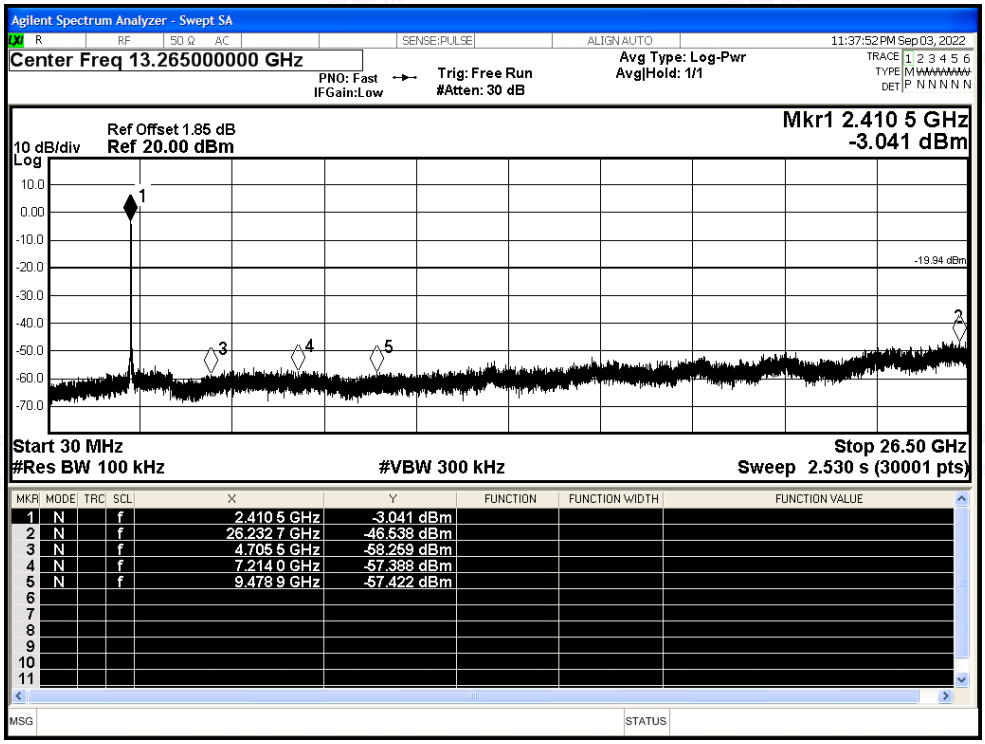

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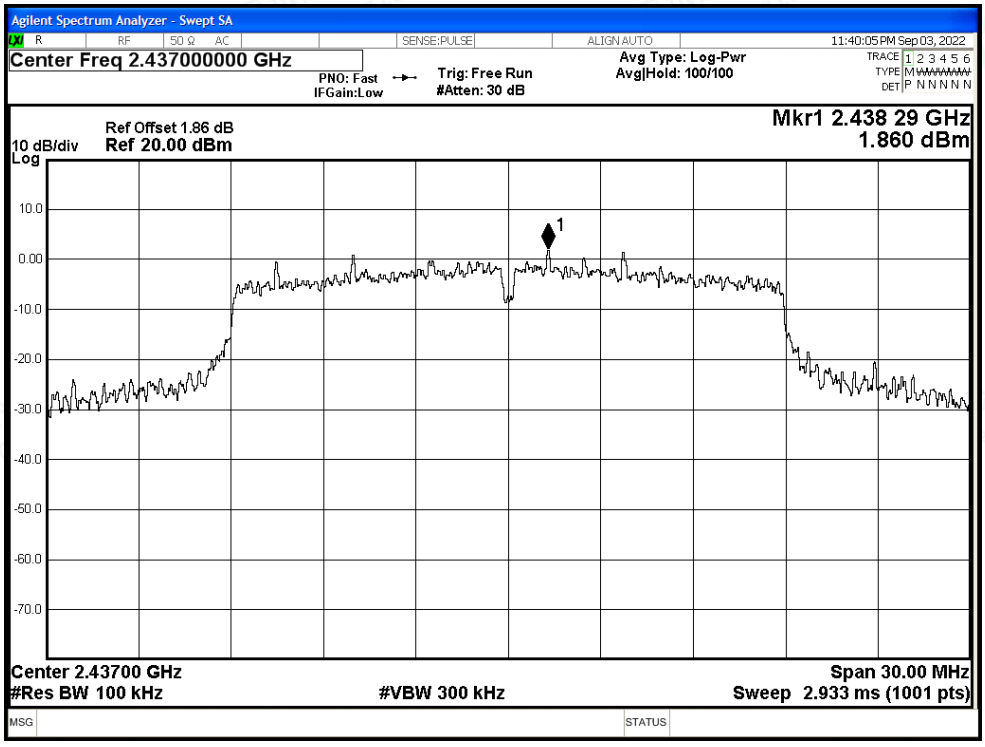

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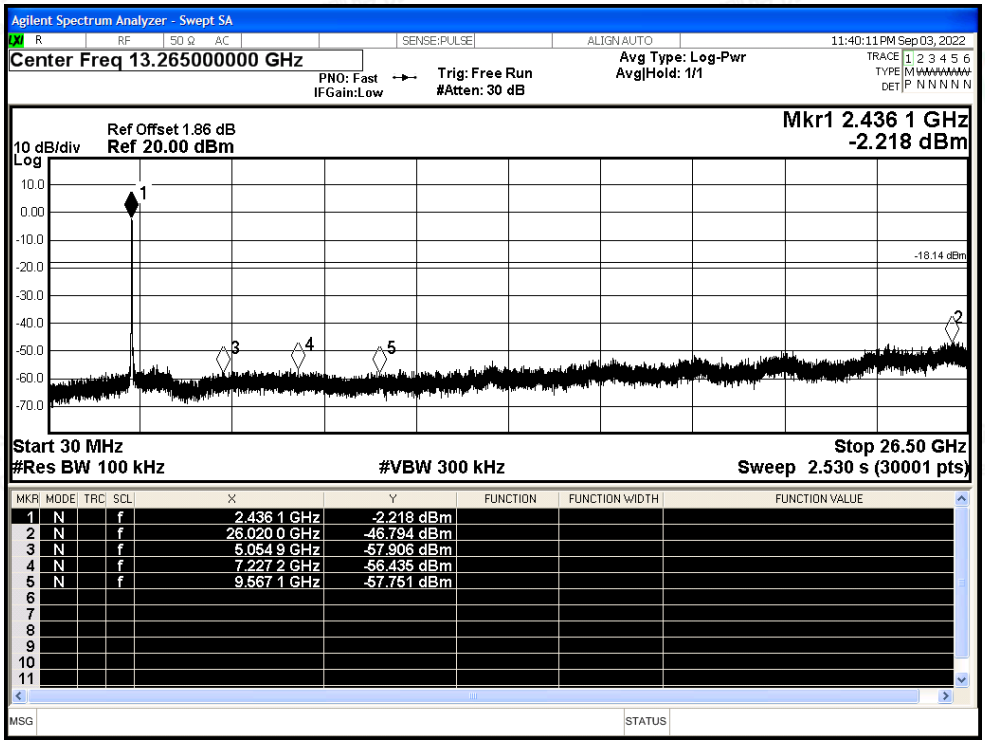

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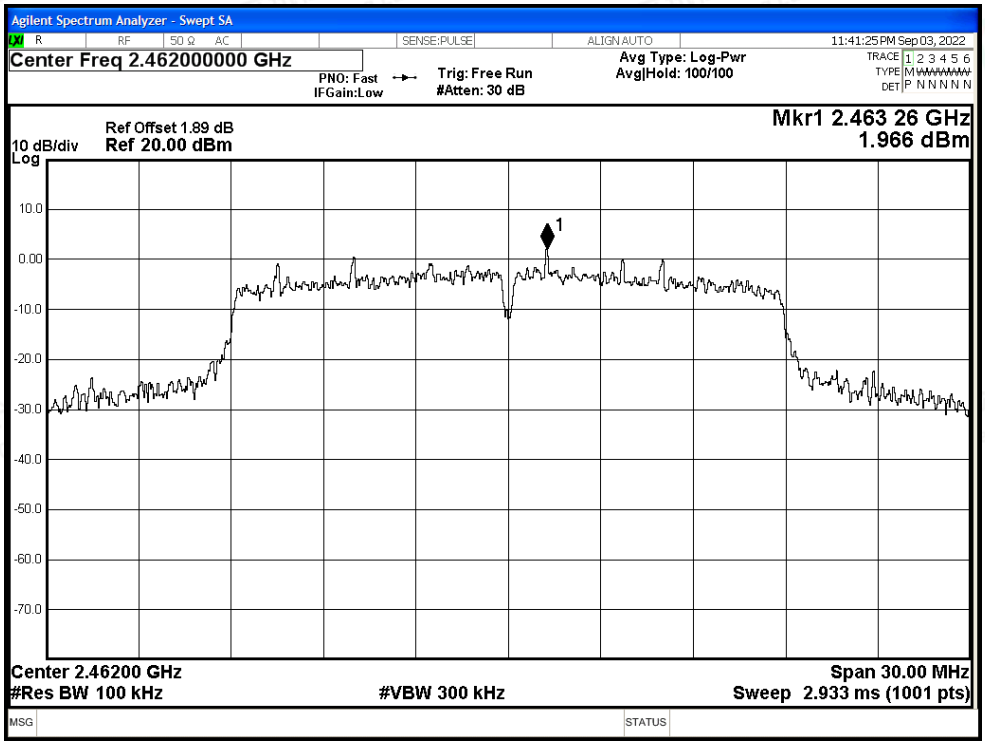

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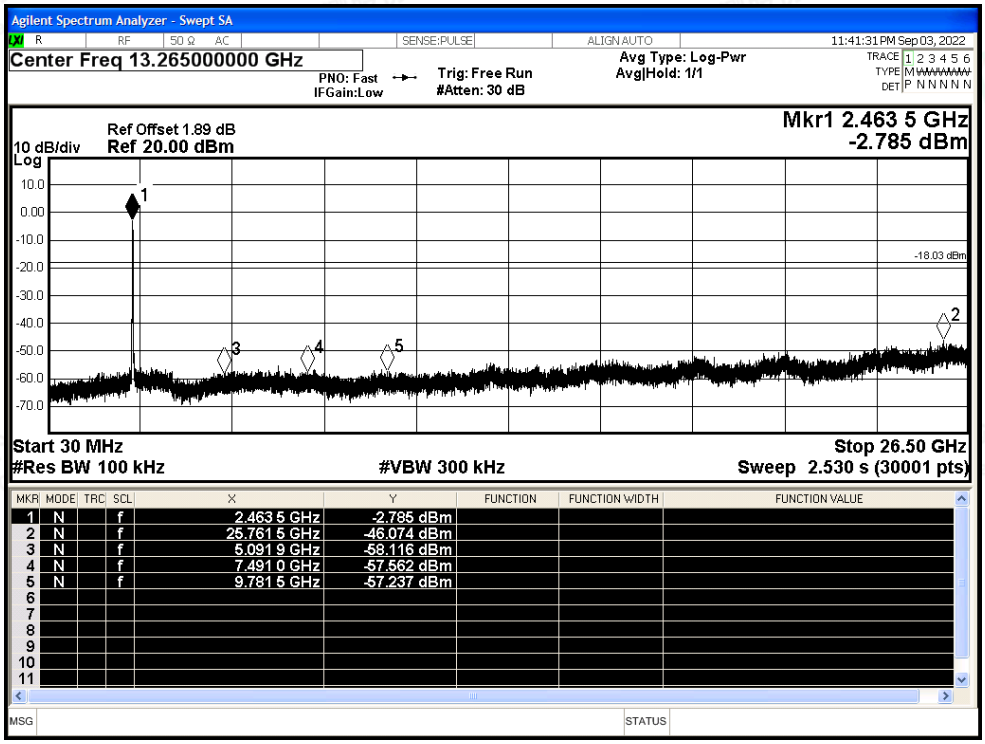
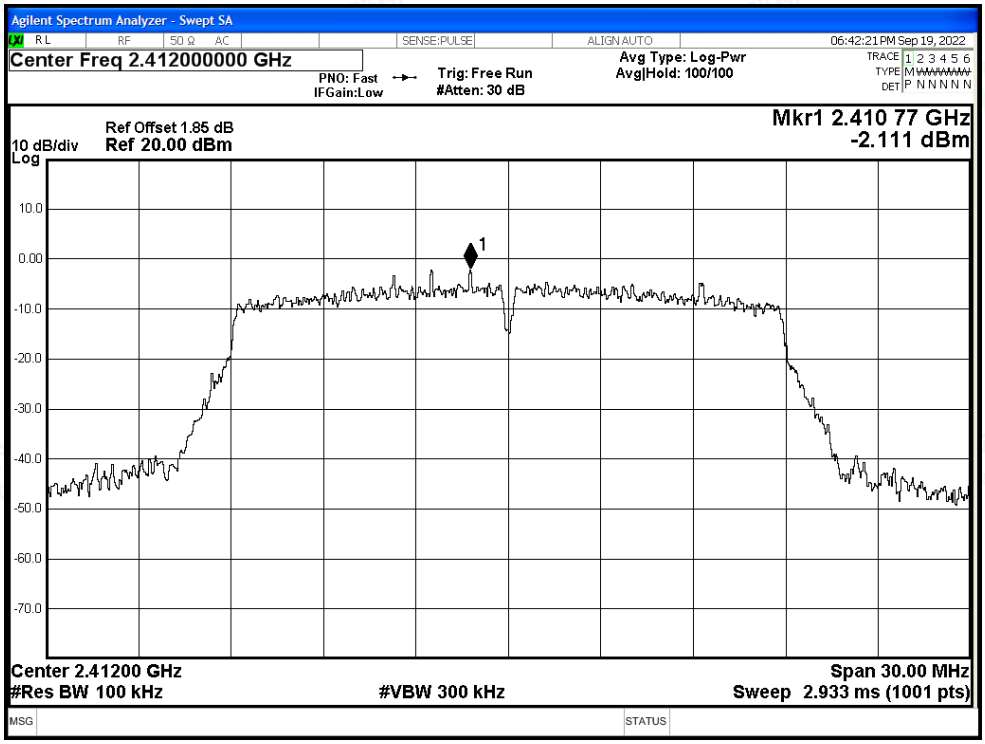
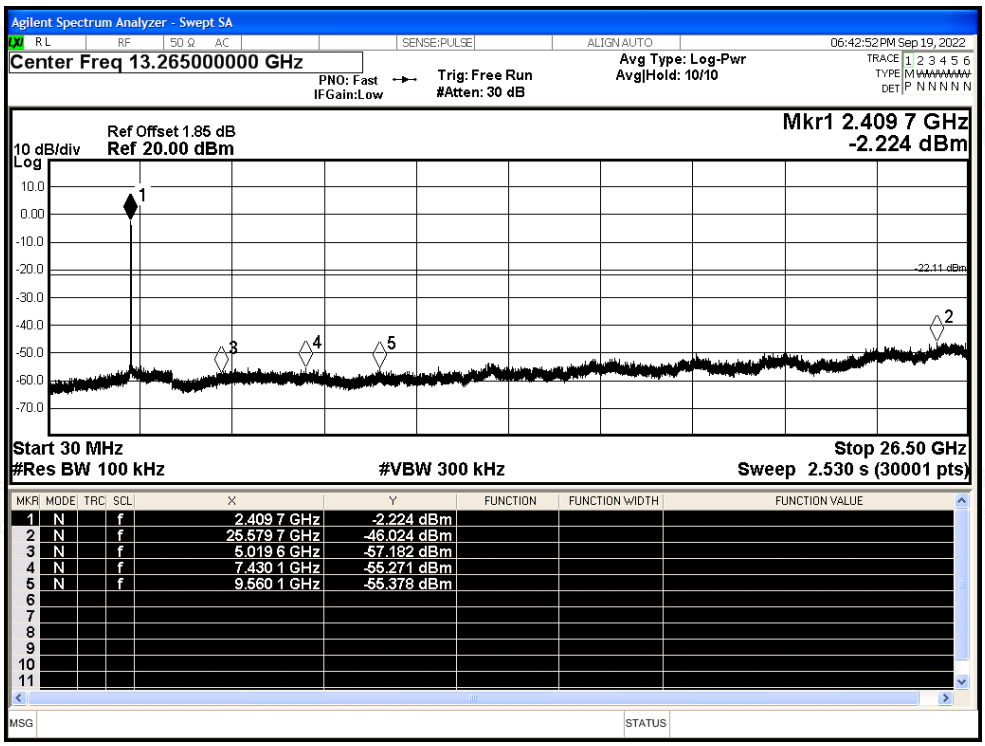


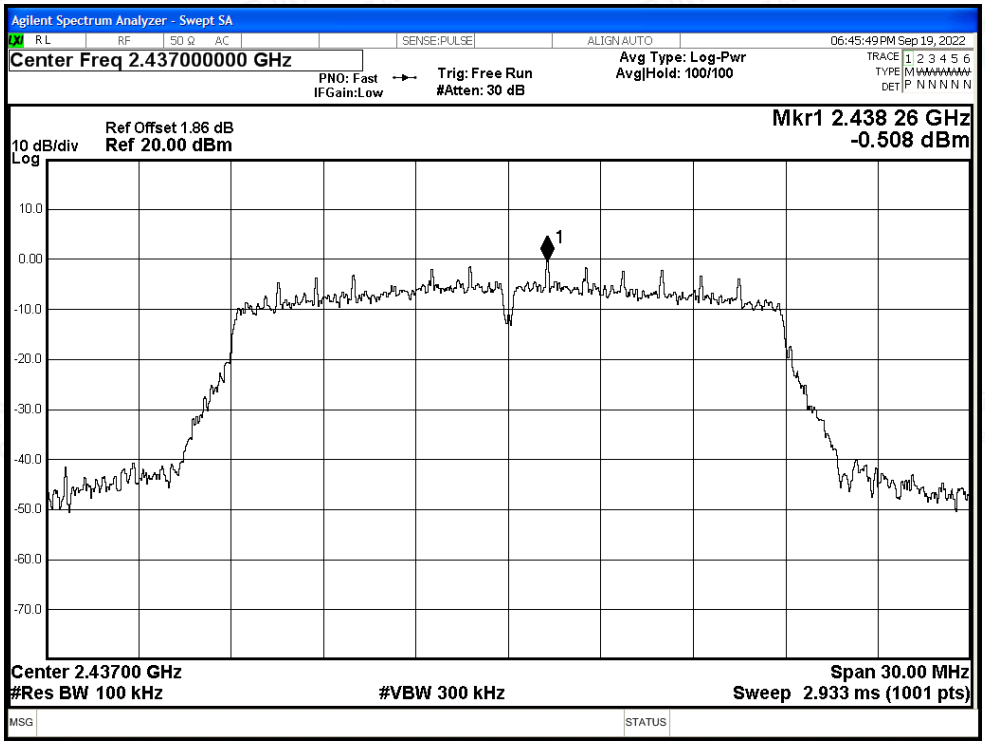
Tx. Spurious NVNT ax20 2412MHz Ant1 Ref



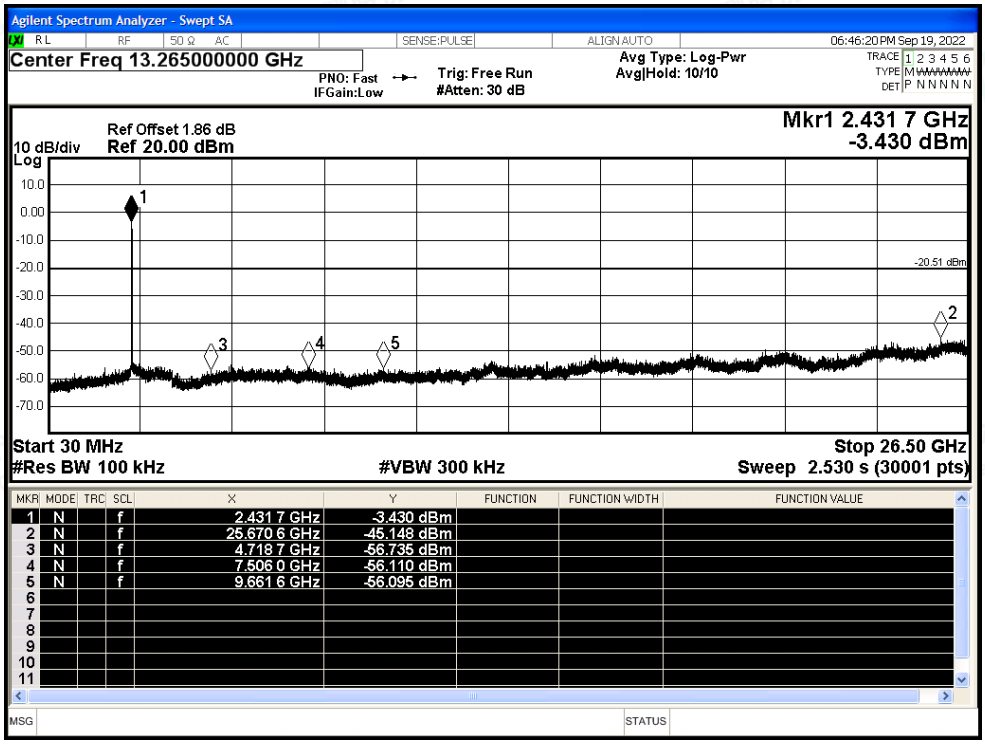
Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



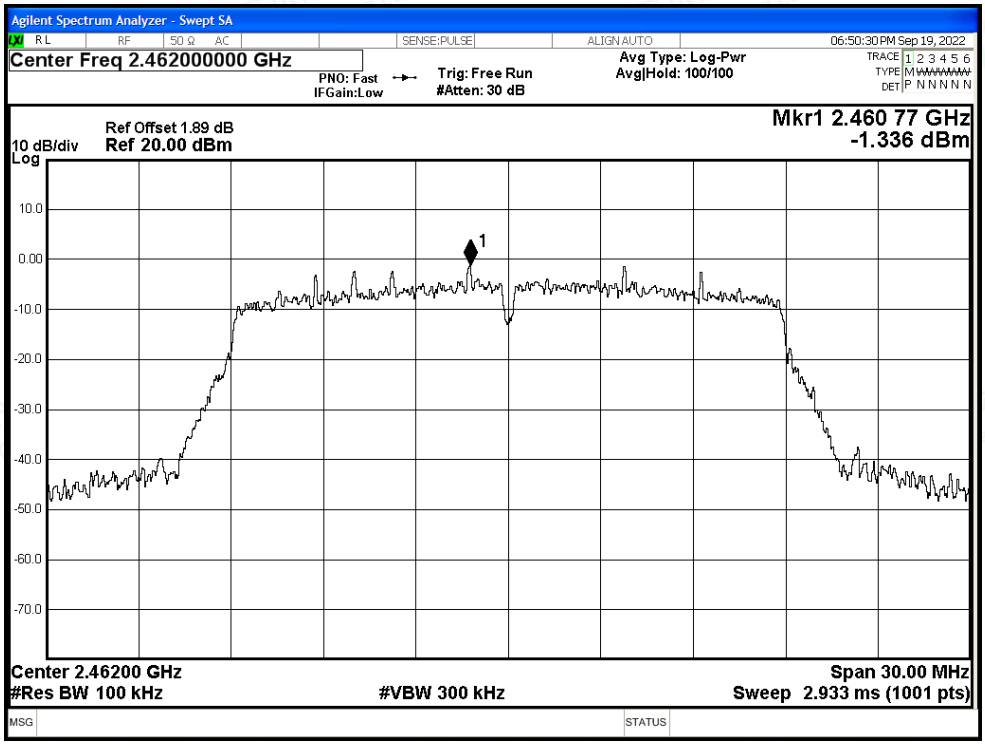
Tx. Spurious NVNT ax20 2437MHz Ant1 Ref



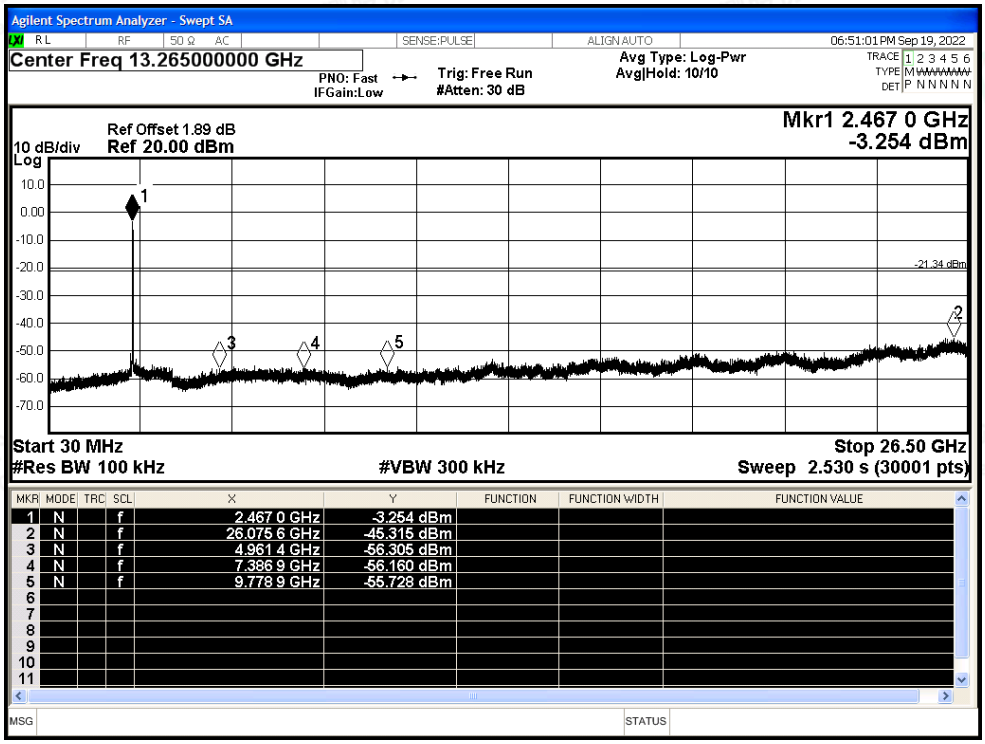
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission



Tx. Spurious NVNT ax20 2462MHz Ant1 Ref



Tx. Spurious NVNT ax20 2462MHz Ant1 Emission

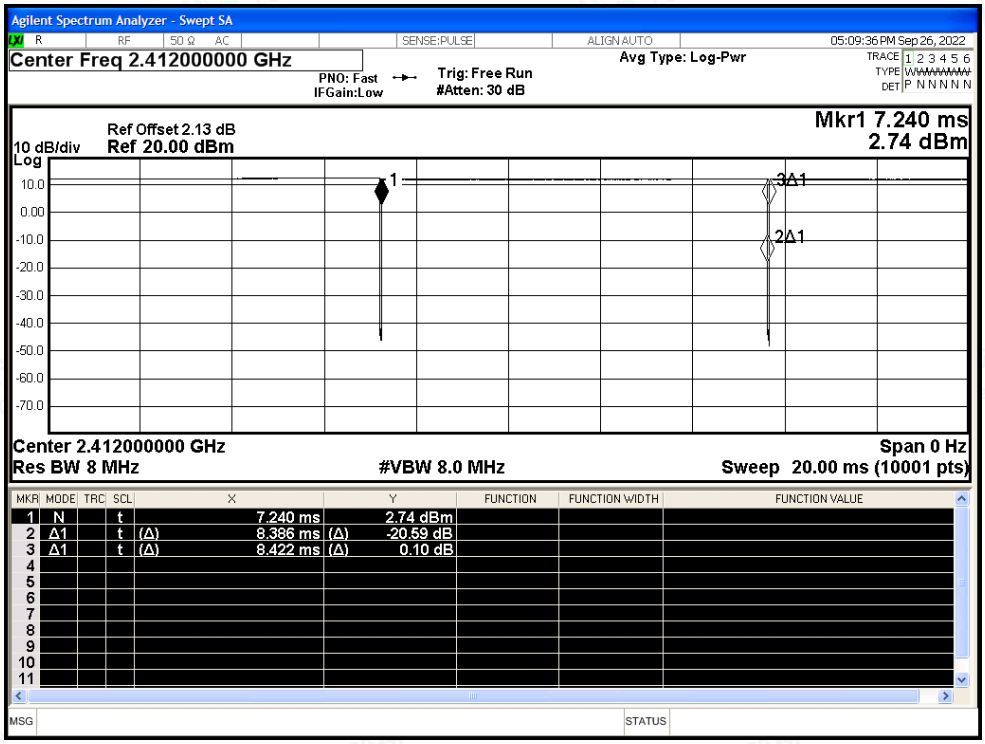


C.6 Duty Cycle

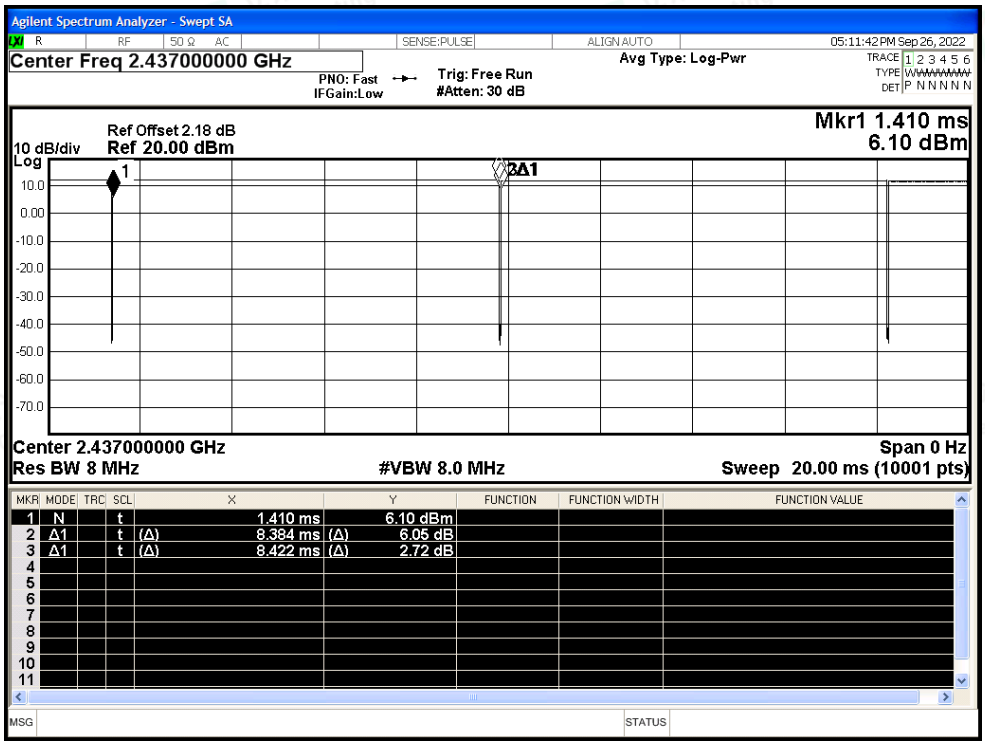
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant0	99.57	0	0.01
NVNT	b	2437	Ant0	99.55	0	0.01
NVNT	b	2462	Ant0	99.55	0	0.01
NVNT	g	2412	Ant0	96.94	0.13	0.72
NVNT	g	2437	Ant0	96.94	0.13	0.72
NVNT	g	2462	Ant0	96.94	0.13	0.72
NVNT	n20	2412	Ant0	96.58	0.15	0.77
NVNT	n20	2437	Ant0	96.73	0.14	0.77
NVNT	n20	2462	Ant0	96.58	0.15	0.77
NVNT	ax20	2412	Ant0	96.76	0.14	0.76
NVNT	ax20	2437	Ant0	96.76	0.14	0.76
NVNT	ax20	2462	Ant0	96.76	0.14	0.76

Test Graphs

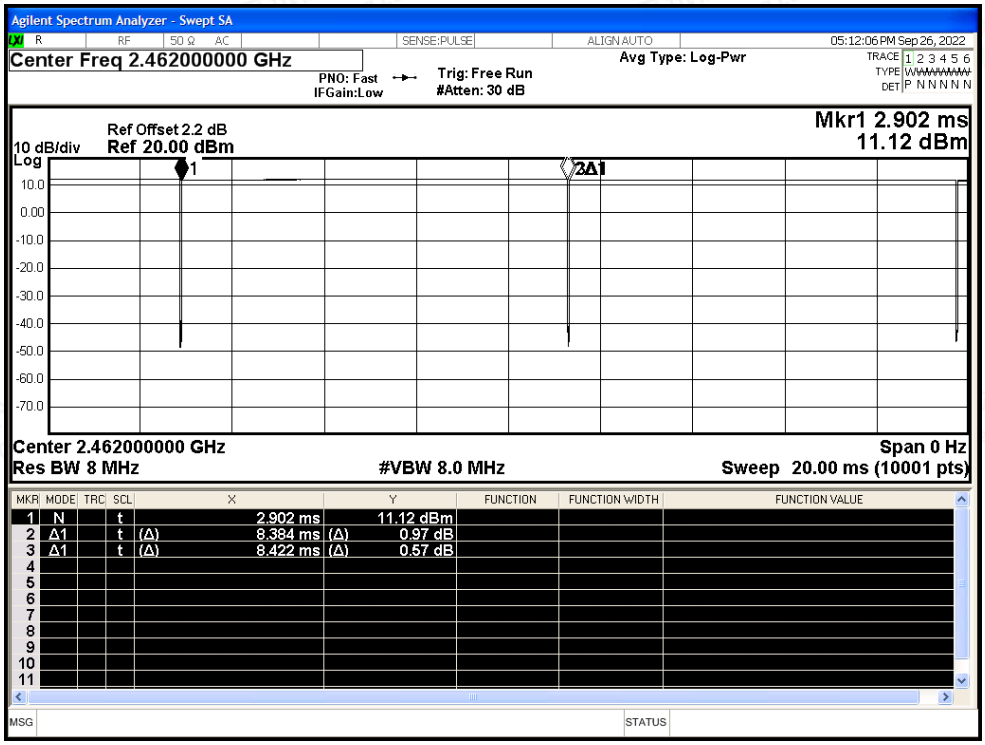
Duty Cycle NVNT b 2412MHz Ant0



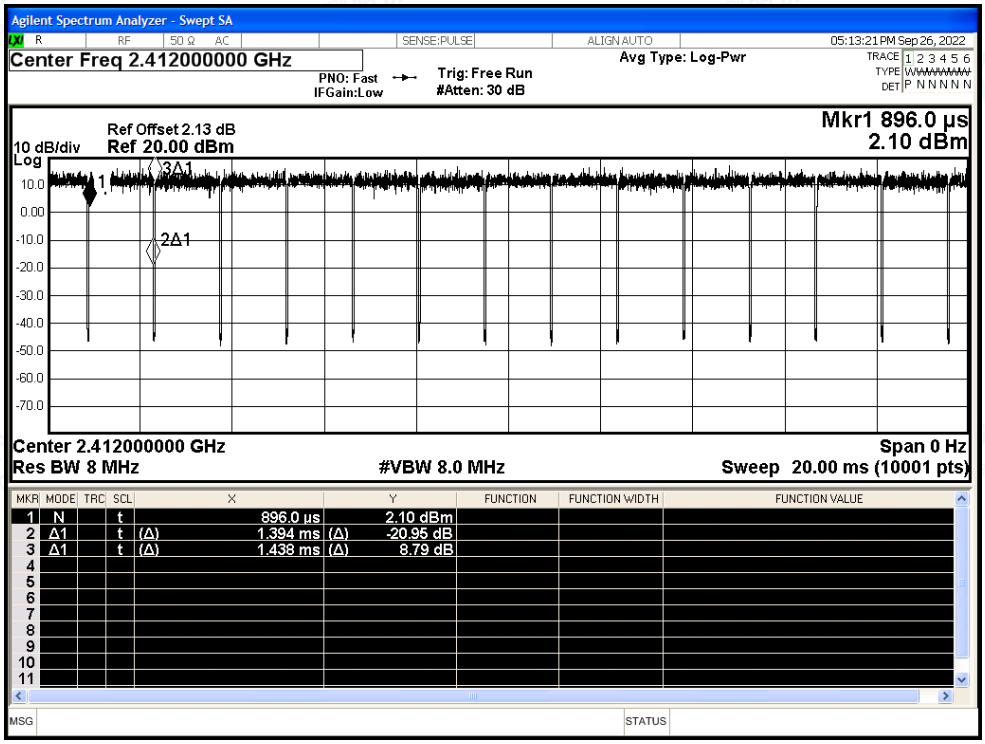
Duty Cycle NVNT b 2437MHz Ant0



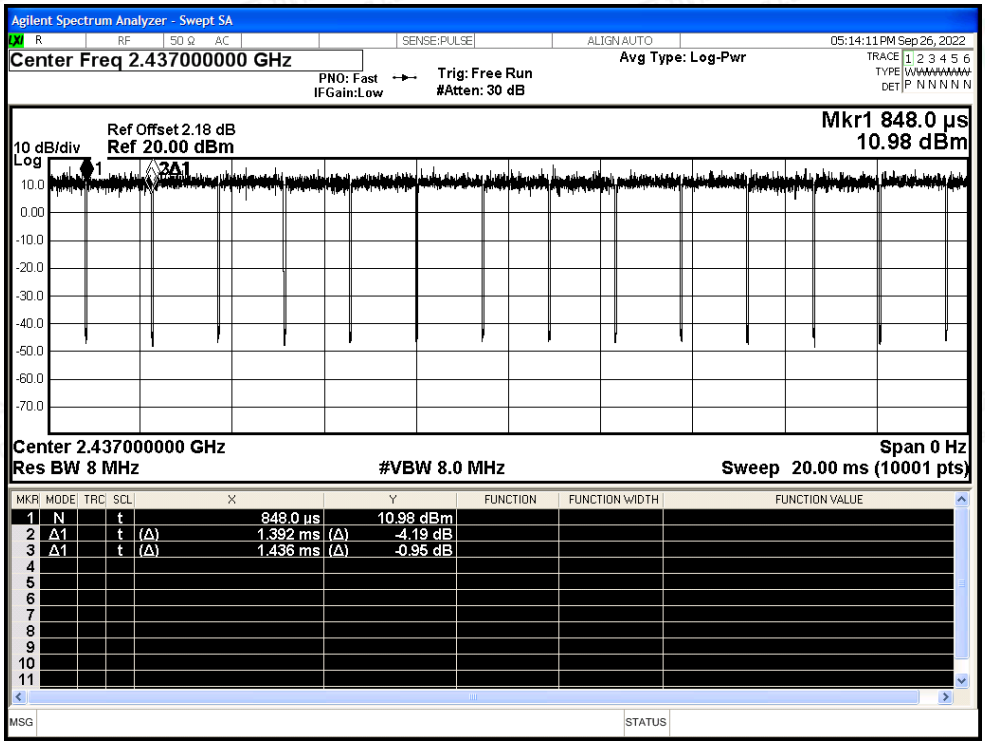
Duty Cycle NVNT b 2462MHz Ant0



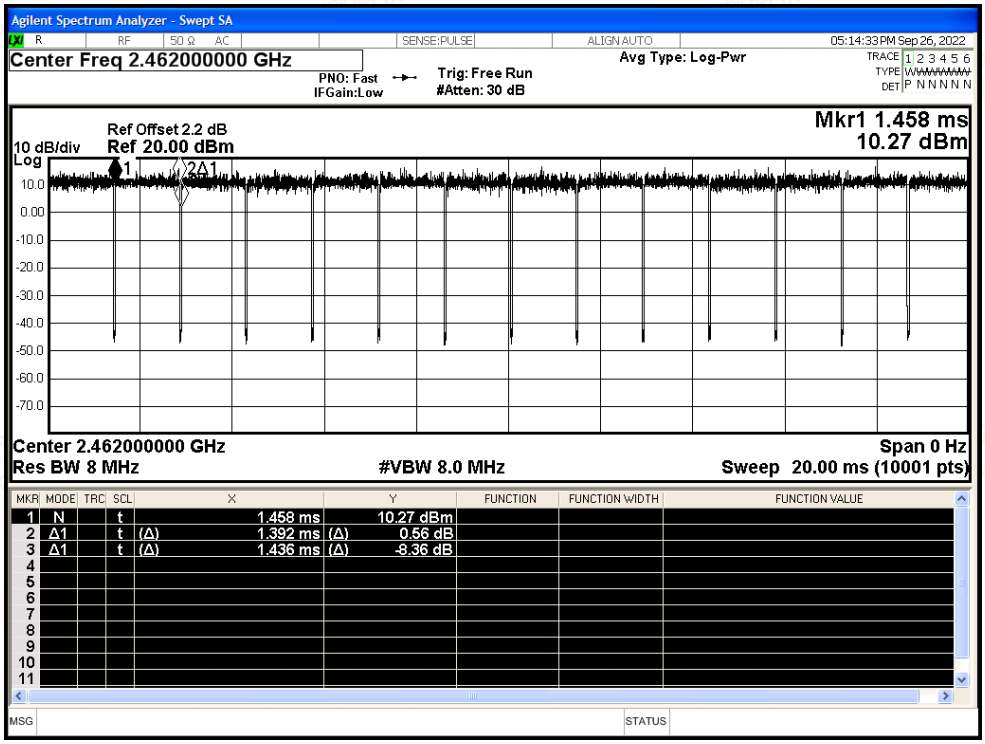
Duty Cycle NVNT g 2412MHz Ant0



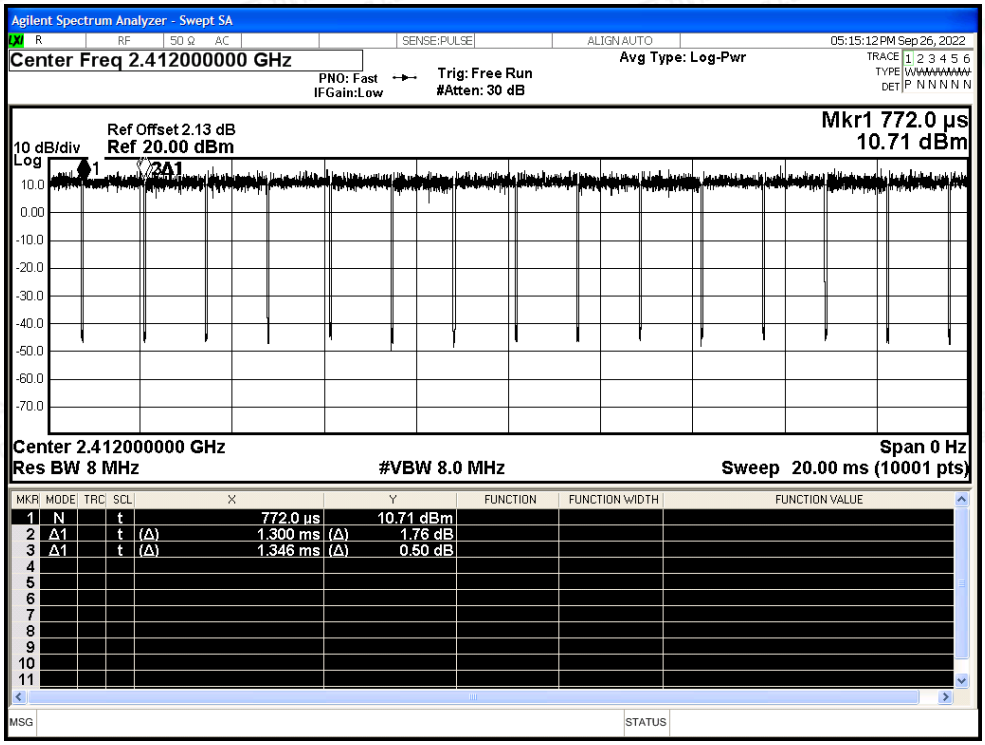
Duty Cycle NVNT g 2437MHz Ant0



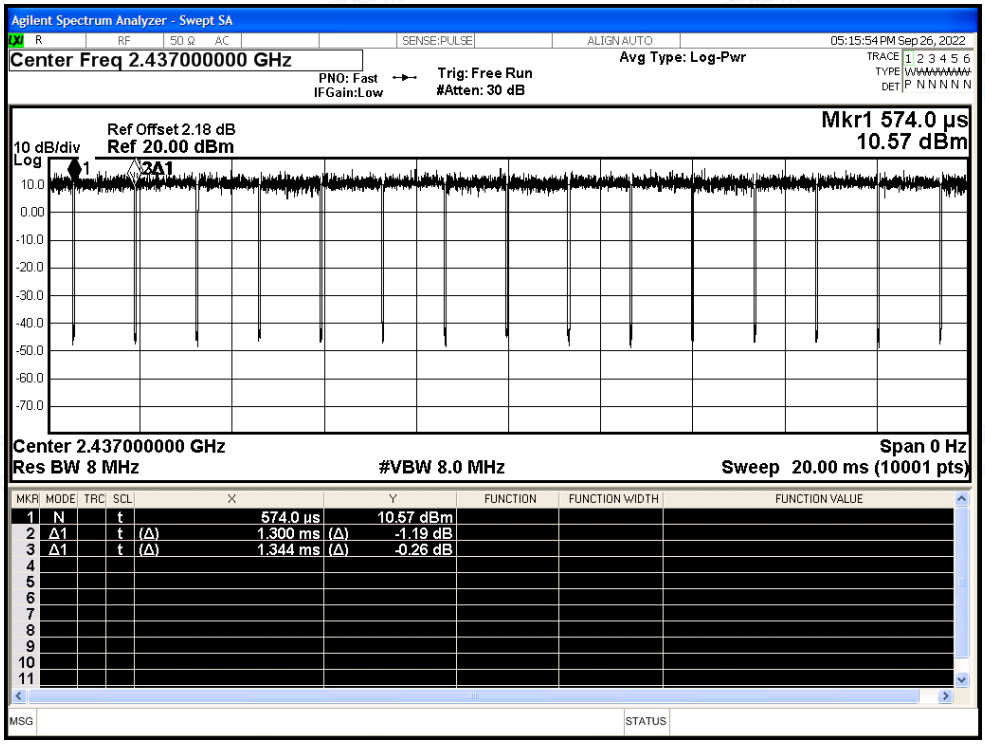
Duty Cycle NVNT g 2462MHz Ant0



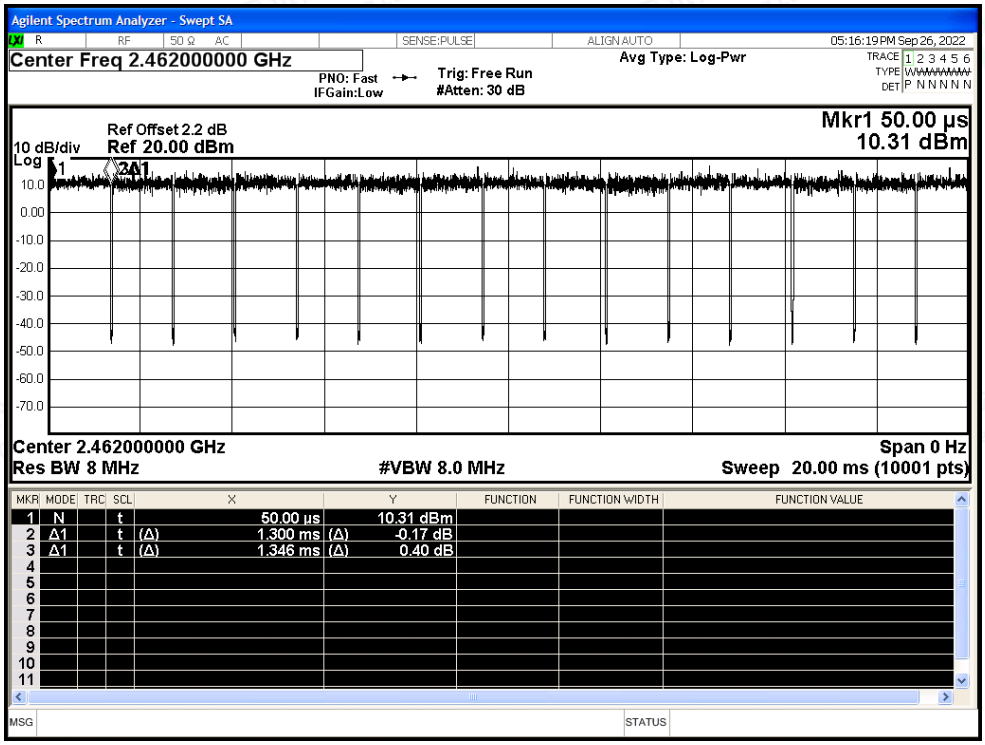
Duty Cycle NVNT n20 2412MHz Ant0



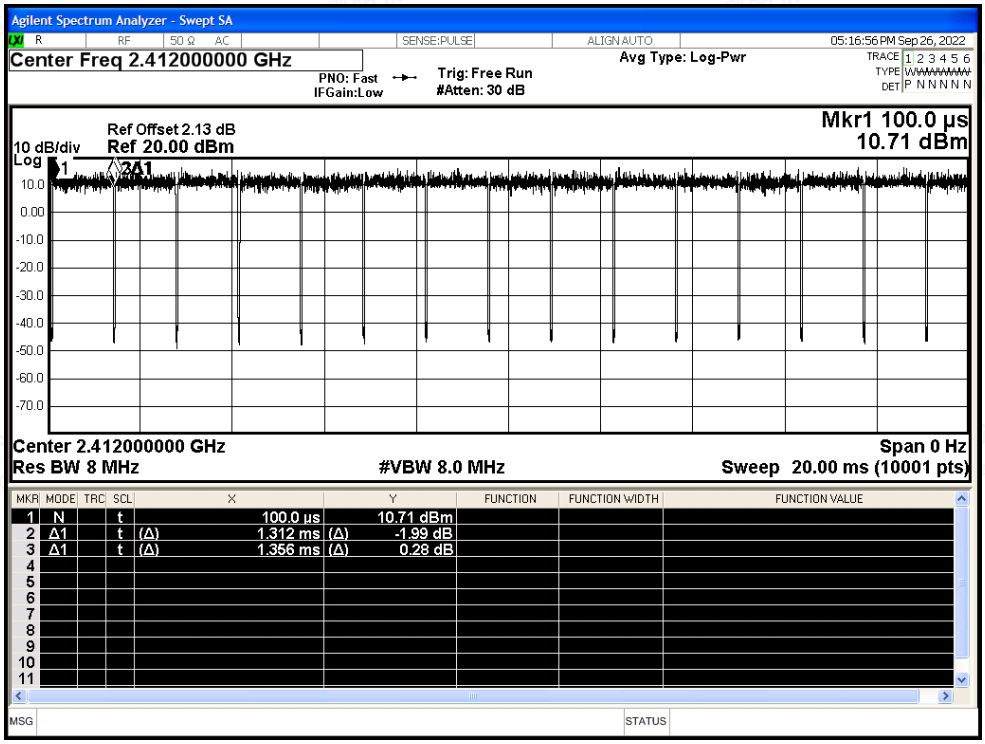
Duty Cycle NVNT n20 2437MHz Ant0



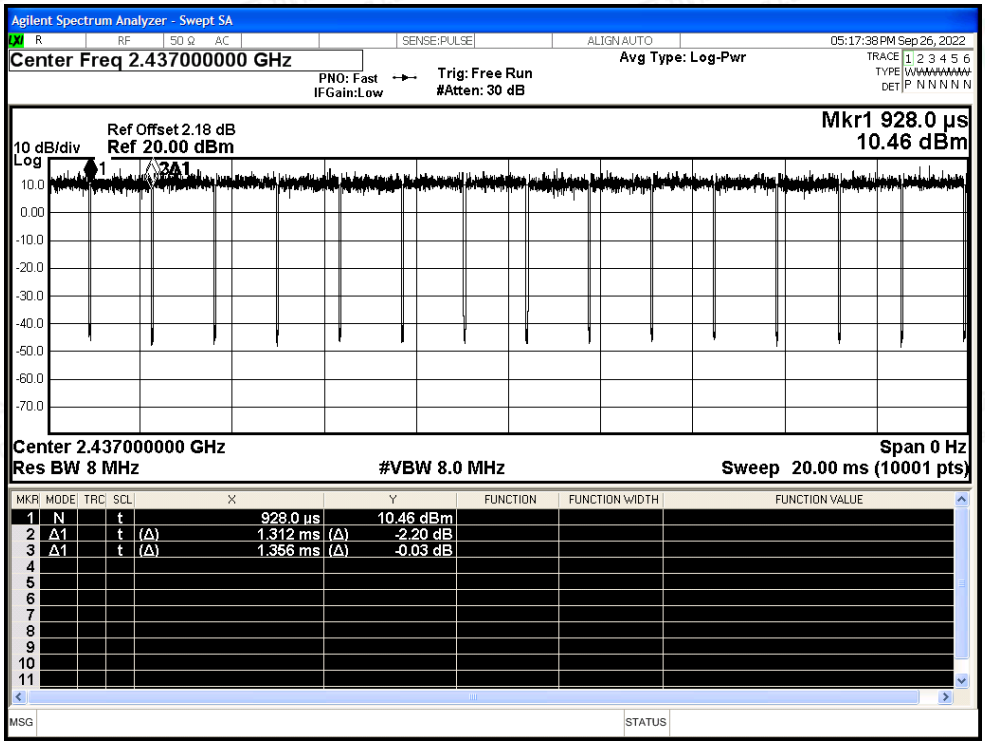
Duty Cycle NVNT n20 2462MHz Ant0



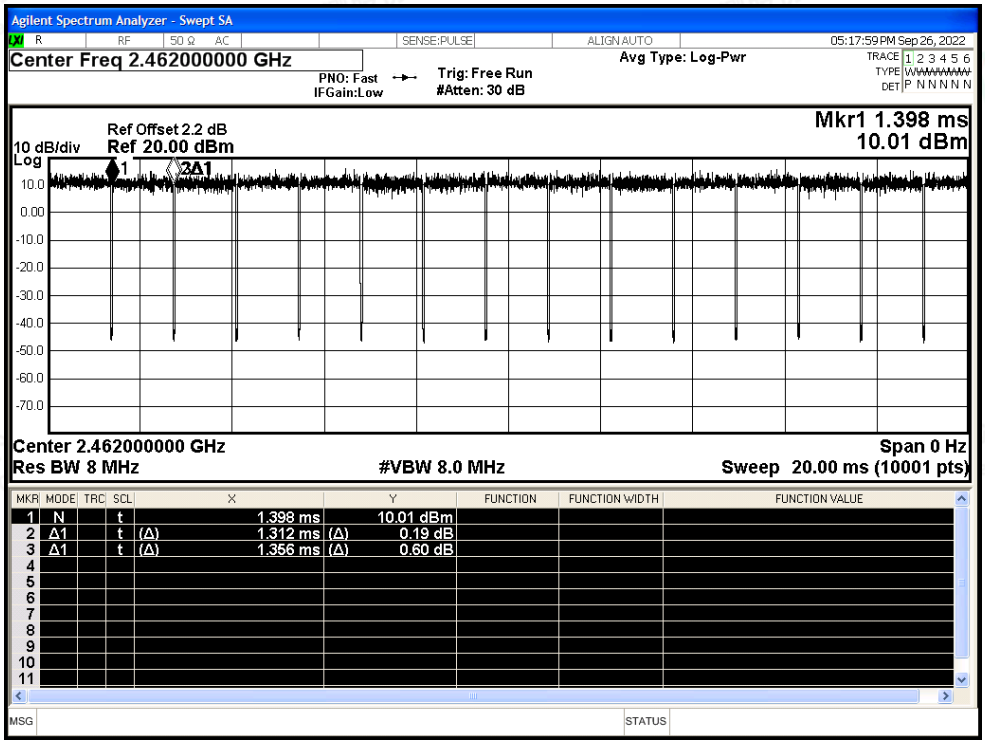
Duty Cycle NVNT ax20 2412MHz Ant0



Duty Cycle NVNT ax20 2437MHz Ant0



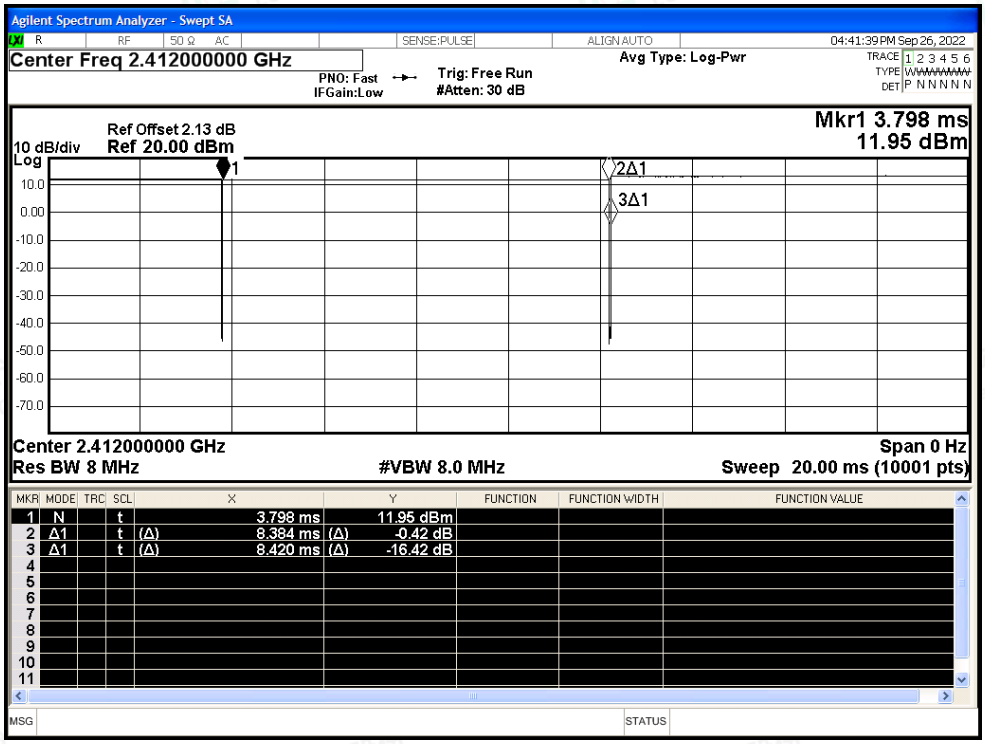
Duty Cycle NVNT ax20 2462MHz Ant0



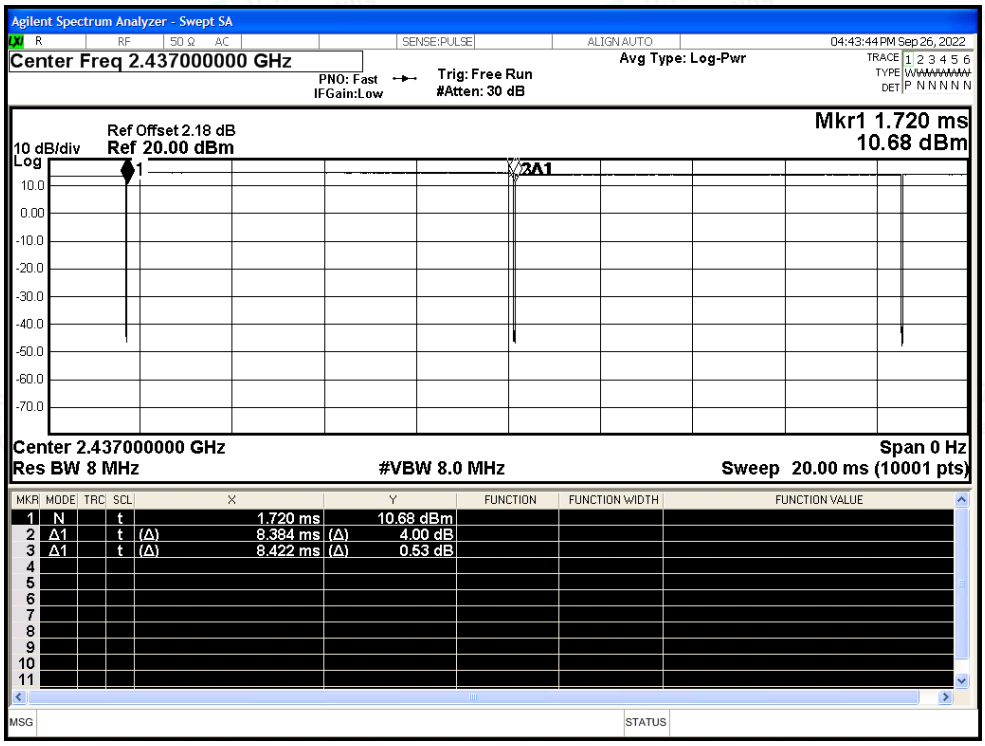
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.57	0	0.01
NVNT	b	2437	Ant1	99.55	0	0.01
NVNT	b	2462	Ant1	99.55	0	0.01
NVNT	g	2412	Ant1	96.94	0.13	0.72
NVNT	g	2437	Ant1	96.8	0.14	0.72
NVNT	g	2462	Ant1	96.94	0.13	0.72
NVNT	n20	2412	Ant1	96.73	0.14	0.77
NVNT	n20	2437	Ant1	96.73	0.14	0.77
NVNT	n20	2462	Ant1	96.58	0.15	0.77
NVNT	ax20	2412	Ant1	96.76	0.14	0.76
NVNT	ax20	2437	Ant1	96.76	0.14	0.76
NVNT	ax20	2462	Ant1	96.76	0.14	0.76

Test Graphs

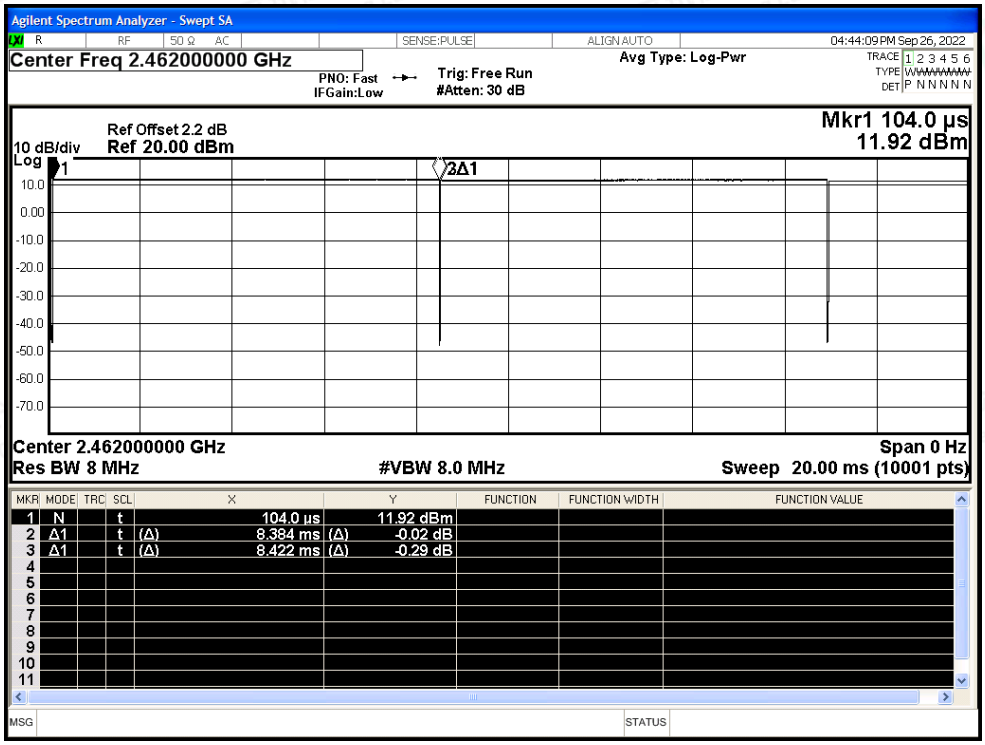
Duty Cycle NVNT b 2412MHz Ant1



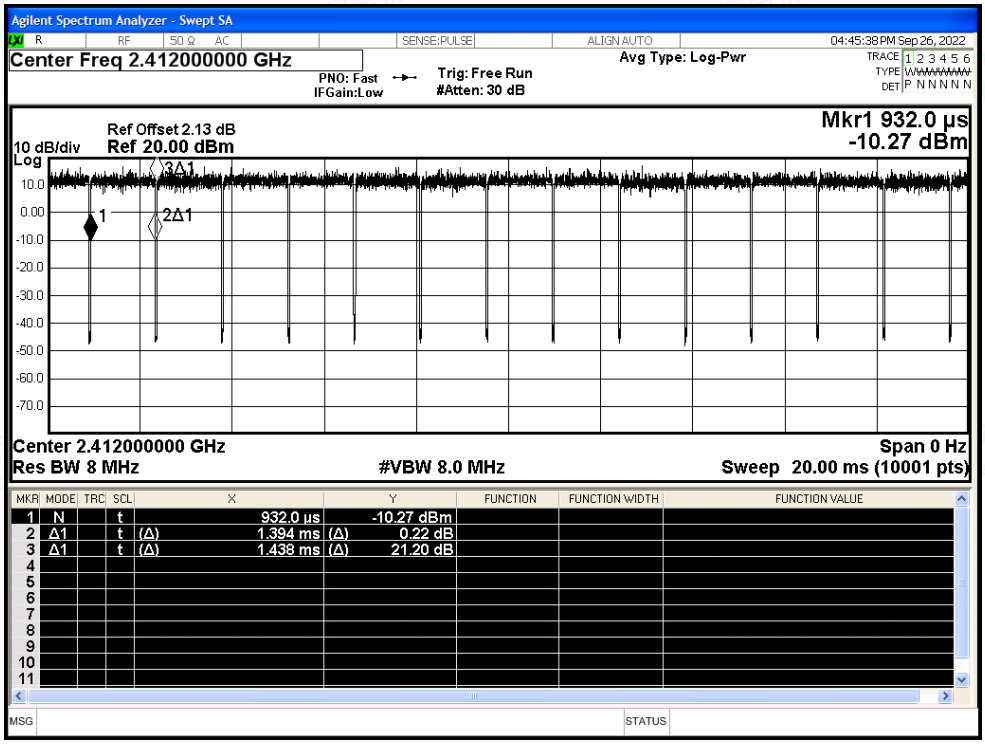
Duty Cycle NVNT b 2437MHz Ant1



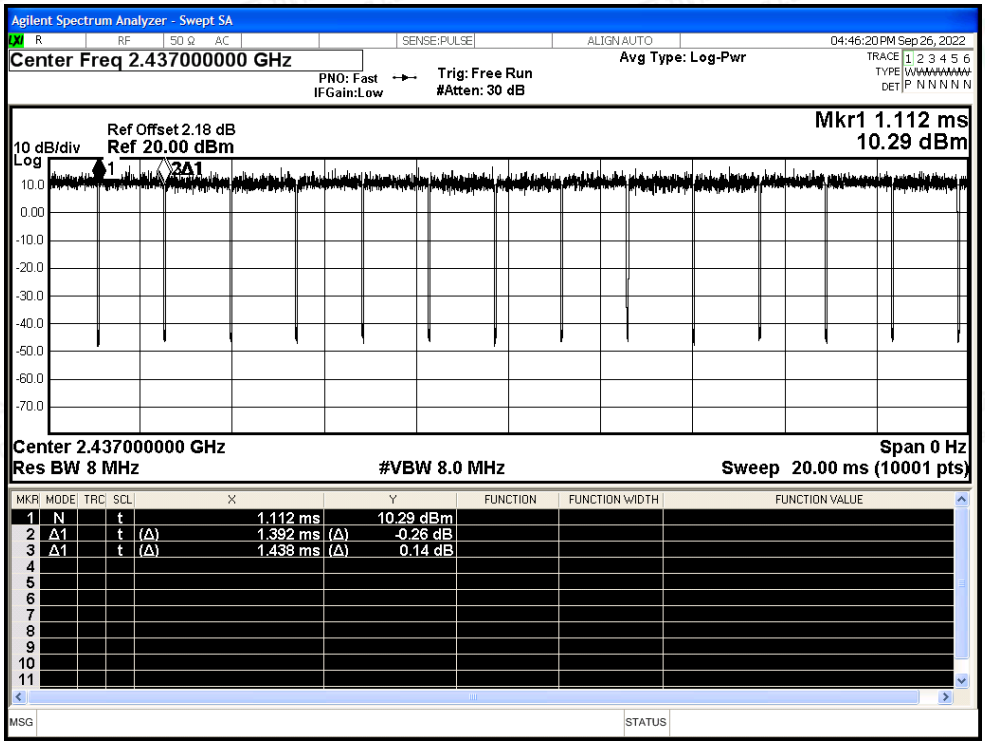
Duty Cycle NVNT b 2462MHz Ant1



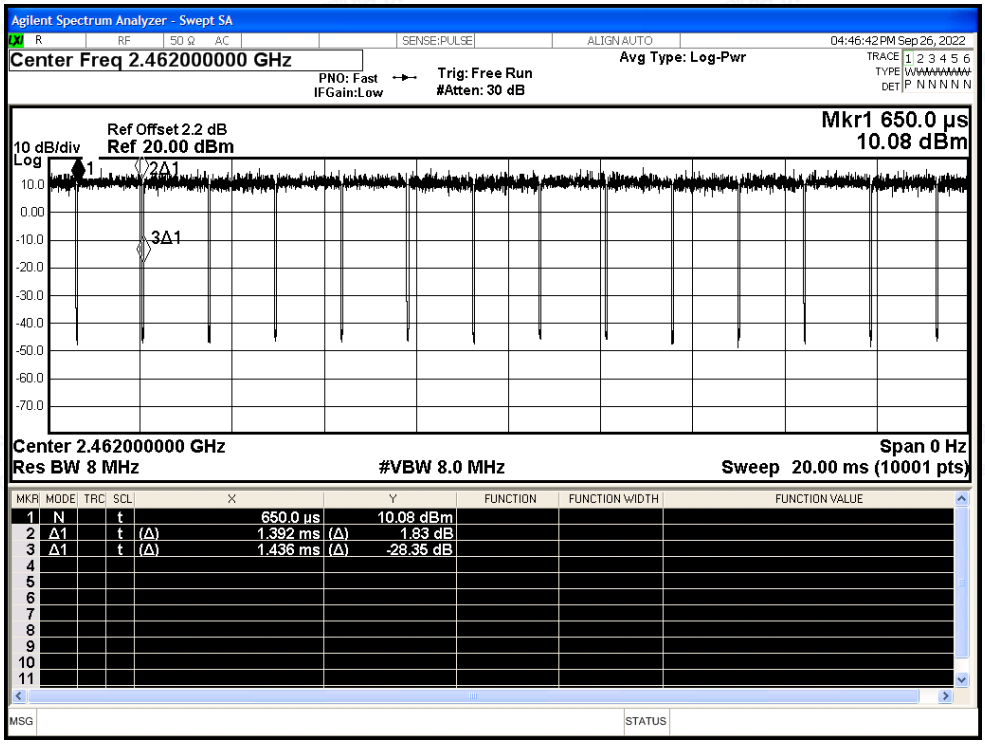
Duty Cycle NVNT g 2412MHz Ant1



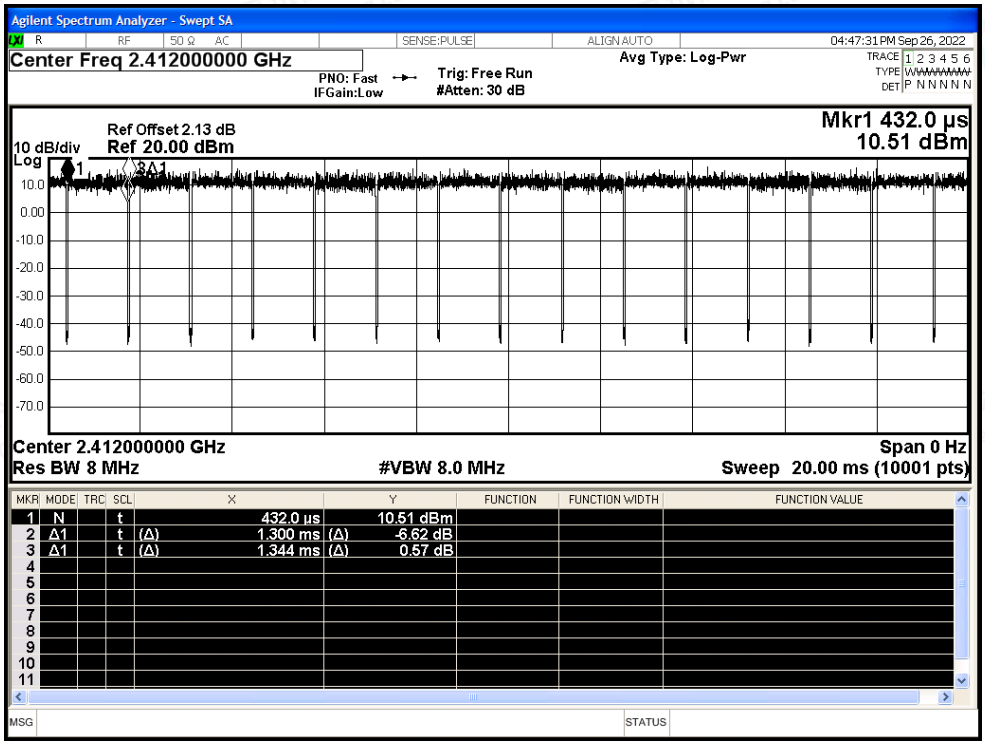
Duty Cycle NVNT g 2437MHz Ant1



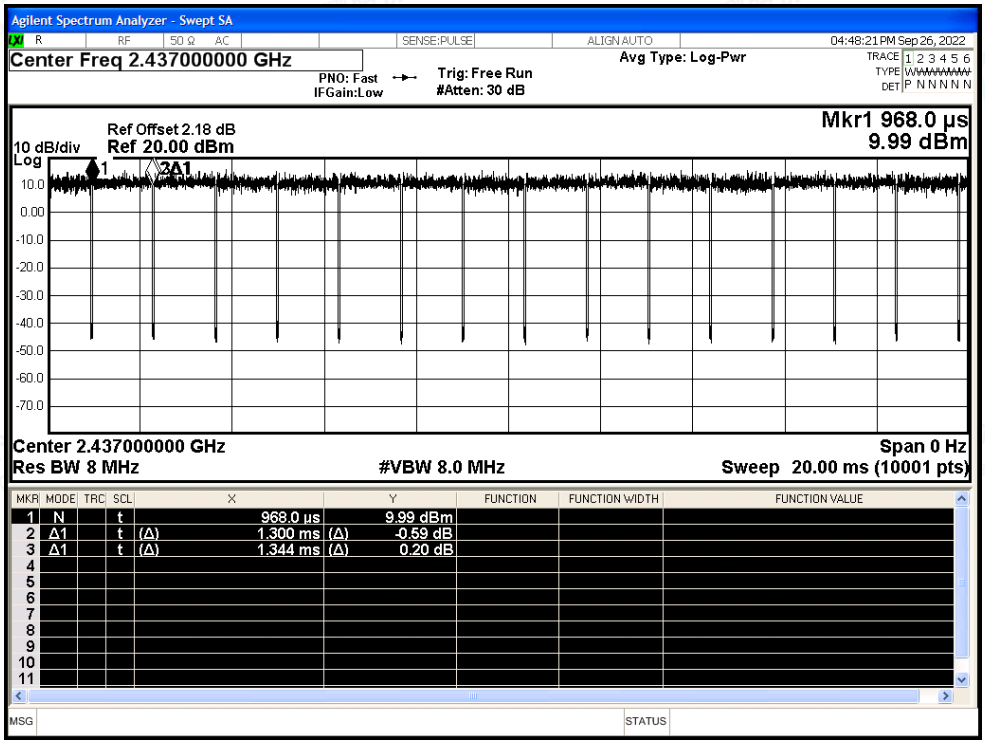
Duty Cycle NVNT g 2462MHz Ant1



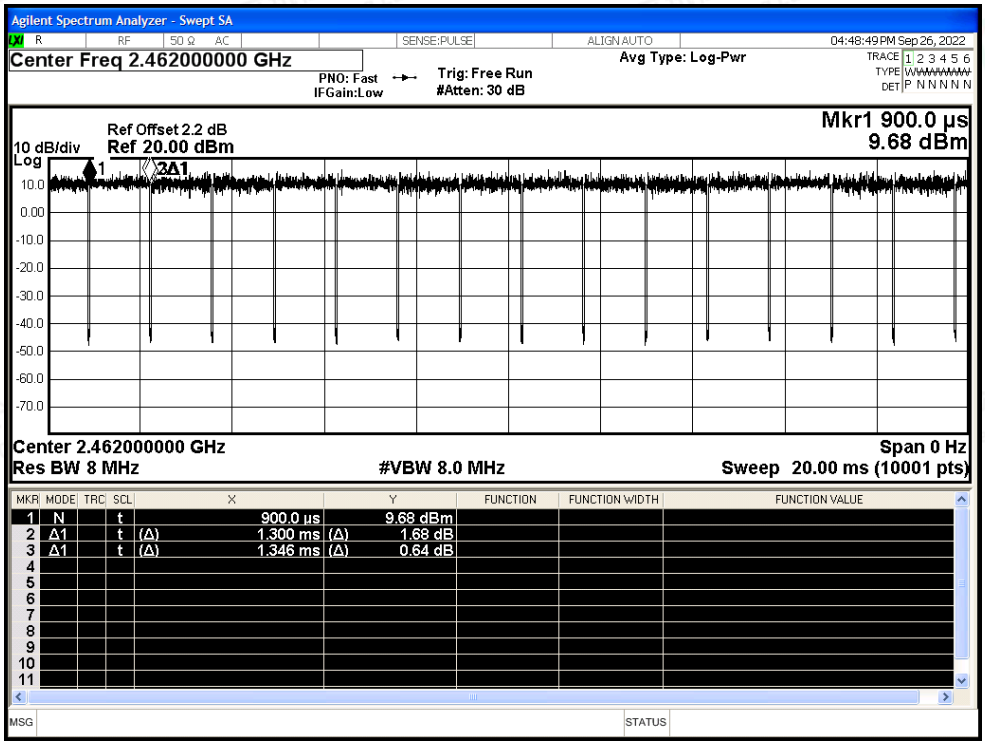
Duty Cycle NVNT n20 2412MHz Ant1



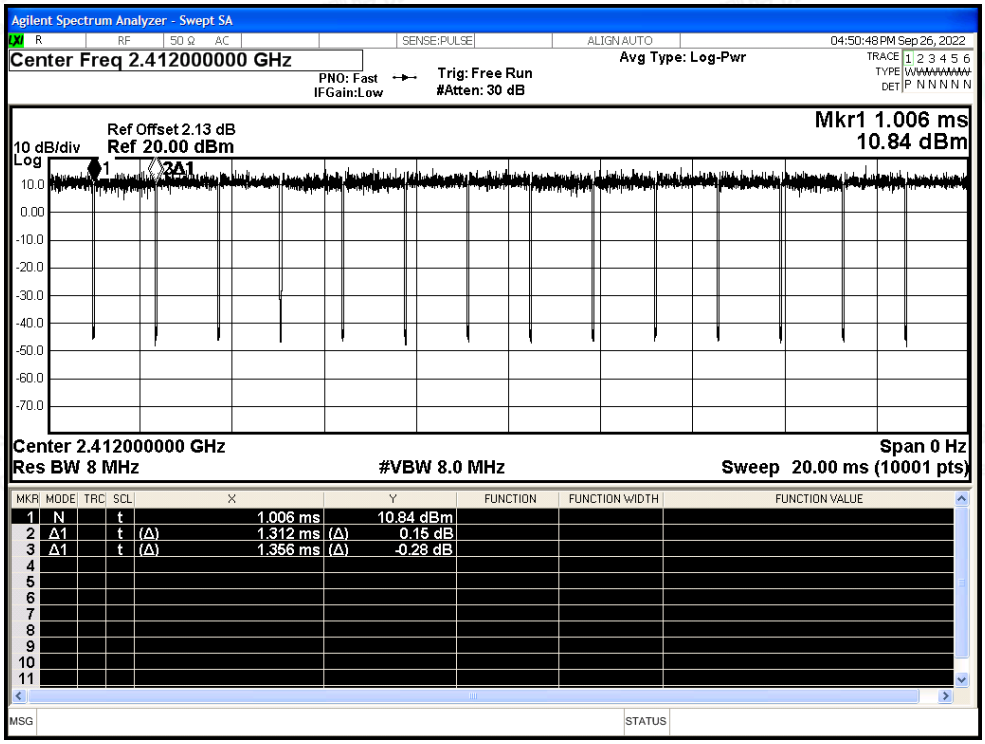
Duty Cycle NVNT n20 2437MHz Ant1



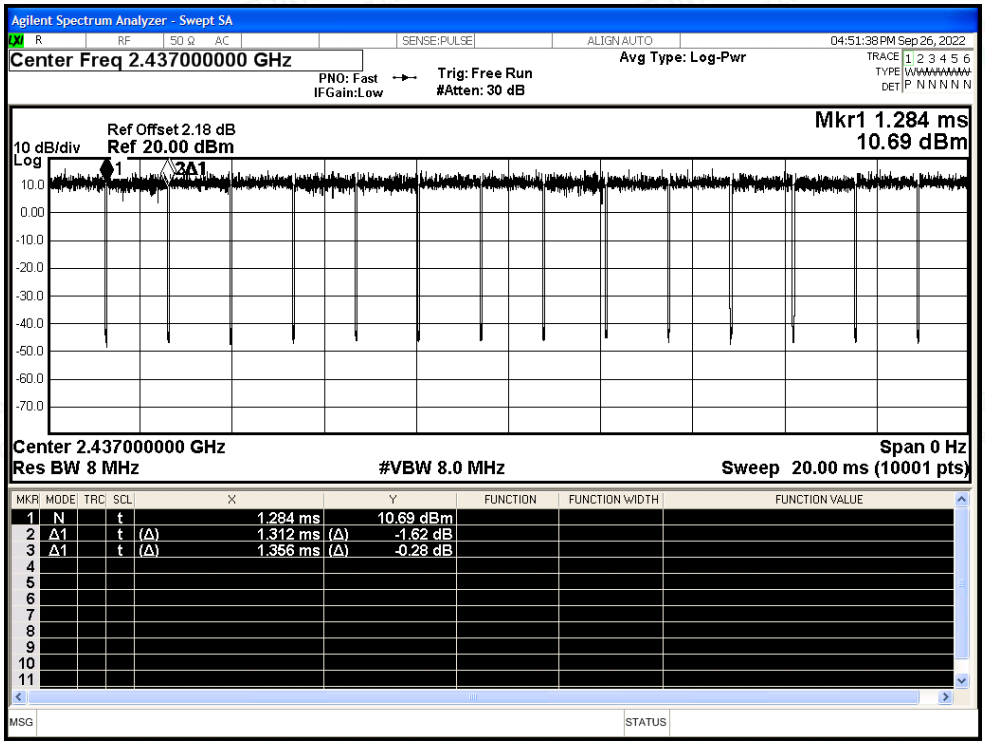
Duty Cycle NVNT n20 2462MHz Ant1



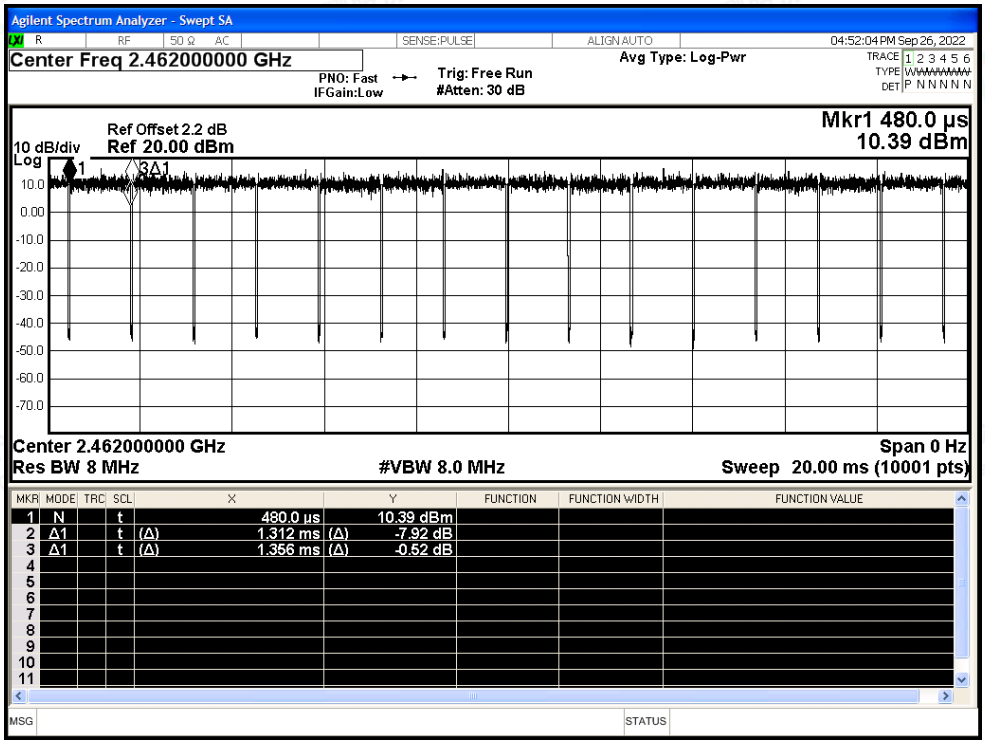
Duty Cycle NVNT ax20 2412MHz Ant1



Duty Cycle NVNT ax20 2437MHz Ant1



Duty Cycle NVNT ax20 2462MHz Ant1



C.7 Restrict Band

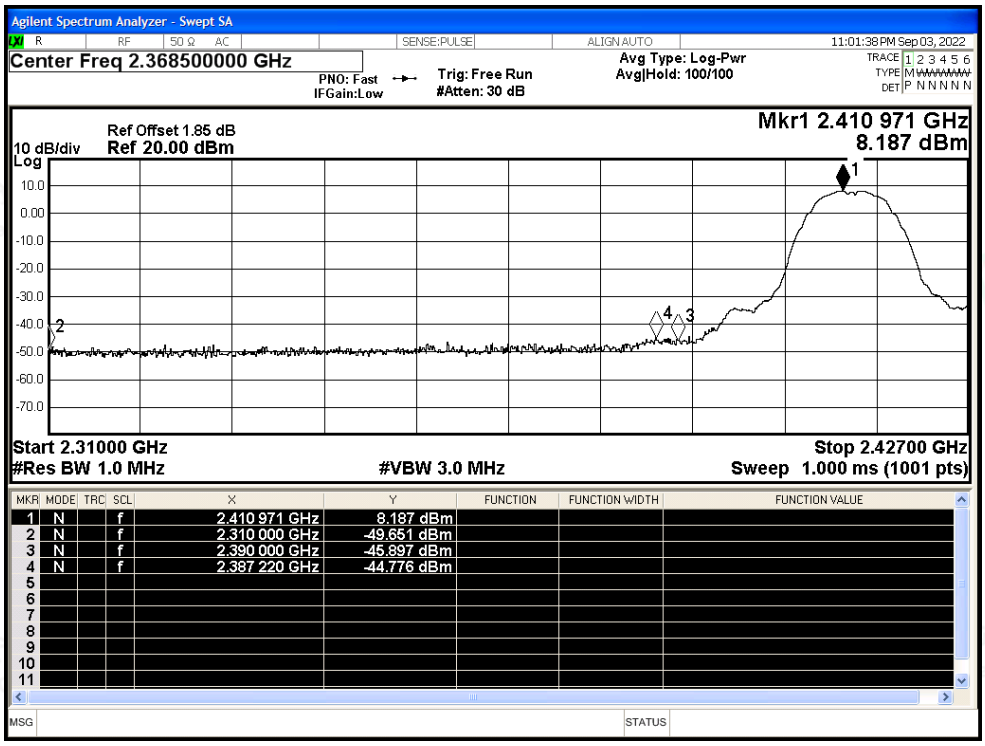
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant0	2310	-49.65	3.45	49.03	Peak	74	Pass
NVNT	b	2412	Ant0	2310	-60.48	3.45	38.20	Average	54	Pass
NVNT	b	2412	Ant0	2387.22	-44.78	3.45	53.90	Peak	74	Pass
NVNT	b	2412	Ant0	2386.752	-54.48	3.45	44.20	Average	54	Pass
NVNT	b	2412	Ant0	2390	-45.9	3.45	52.78	Peak	74	Pass
NVNT	b	2412	Ant0	2390	-55.11	3.45	43.57	Average	54	Pass
NVNT	b	2462	Ant0	2483.5	-44.73	3.45	53.95	Peak	74	Pass
NVNT	b	2462	Ant0	2483.5	-52.54	3.45	46.14	Average	54	Pass
NVNT	b	2462	Ant0	2484.153	-44.15	3.45	54.53	Peak	74	Pass
NVNT	b	2462	Ant0	2483.517	-52.54	3.45	46.14	Average	54	Pass
NVNT	b	2462	Ant0	2500	-48.87	3.45	49.81	Peak	74	Pass
NVNT	b	2462	Ant0	2500	-59.32	3.45	39.36	Average	54	Pass
NVNT	g	2412	Ant0	2310	-50.63	3.45	48.05	Peak	74	Pass
NVNT	g	2412	Ant0	2310	-59.5	3.45	39.18	Average	54	Pass
NVNT	g	2412	Ant0	2388.975	-34.7	3.45	63.98	Peak	74	Pass
NVNT	g	2412	Ant0	2389.911	-49.81	3.45	48.87	Average	54	Pass
NVNT	g	2412	Ant0	2390	-36.64	3.45	62.04	Peak	74	Pass
NVNT	g	2412	Ant0	2390	-49.74	3.45	48.94	Average	54	Pass
NVNT	g	2462	Ant0	2483.5	-38.26	3.45	60.42	Peak	74	Pass
NVNT	g	2462	Ant0	2483.5	-53.79	3.45	44.89	Average	54	Pass
NVNT	g	2462	Ant0	2483.994	-36.73	3.45	61.95	Peak	74	Pass
NVNT	g	2462	Ant0	2483.517	-53.79	3.45	44.89	Average	54	Pass
NVNT	g	2462	Ant0	2500	-49.16	3.45	49.52	Peak	74	Pass
NVNT	g	2462	Ant0	2500	-57.23	3.45	41.45	Average	54	Pass
NVNT	n20	2412	MIMO	2310	-50.48	6.46	51.21	Peak	74	Pass
NVNT	n20	2412	MIMO	2310	-59.47	6.46	42.22	Average	54	Pass
NVNT	n20	2412	MIMO	2389.911	-46.02	6.46	55.67	Peak	74	Pass
NVNT	n20	2412	MIMO	2389.677	-56.78	6.46	44.91	Average	54	Pass
NVNT	n20	2412	MIMO	2390	-47.35	6.46	54.34	Peak	74	Pass
NVNT	n20	2412	MIMO	2390	-56.81	6.46	44.88	Average	54	Pass
NVNT	n20	2462	MIMO	2483.5	-46.39	6.46	55.30	Peak	74	Pass
NVNT	n20	2462	MIMO	2483.5	-56.06	6.46	45.63	Average	54	Pass
NVNT	n20	2462	MIMO	2483.623	-43.86	6.46	57.83	Peak	74	Pass
NVNT	n20	2462	MIMO	2483.517	-55.97	6.46	45.72	Average	54	Pass
NVNT	n20	2462	MIMO	2500	-46.97	6.46	54.72	Peak	74	Pass
NVNT	n20	2462	MIMO	2500	-56.89	6.46	44.80	Average	54	Pass
NVNT	ax20	2412	MIMO	2310	-49.58	6.46	52.11	Peak	74	Pass

NVNT	ax20	2412	MIMO	2310	-59.36	6.46	42.33	Average	54	Pass
NVNT	ax20	2412	MIMO	2389.794	-37.49	6.46	64.20	Peak	74	Pass
NVNT	ax20	2412	MIMO	2389.911	-54.46	6.46	47.23	Average	54	Pass
NVNT	ax20	2412	MIMO	2390	-44.77	6.46	56.92	Peak	74	Pass
NVNT	ax20	2412	MIMO	2390	-54.51	6.46	47.18	Average	54	Pass
NVNT	ax20	2462	MIMO	2483.5	-43.83	6.46	57.86	Peak	74	Pass
NVNT	ax20	2462	MIMO	2483.5	-53.96	6.46	47.73	Average	54	Pass
NVNT	ax20	2462	MIMO	2484.471	-40.29	6.46	61.40	Peak	74	Pass
NVNT	ax20	2462	MIMO	2483.623	-53.9	6.46	47.79	Average	54	Pass
NVNT	ax20	2462	MIMO	2500	-46.72	6.46	54.97	Peak	74	Pass
NVNT	ax20	2462	MIMO	2500	-56.56	6.46	45.13	Average	54	Pass

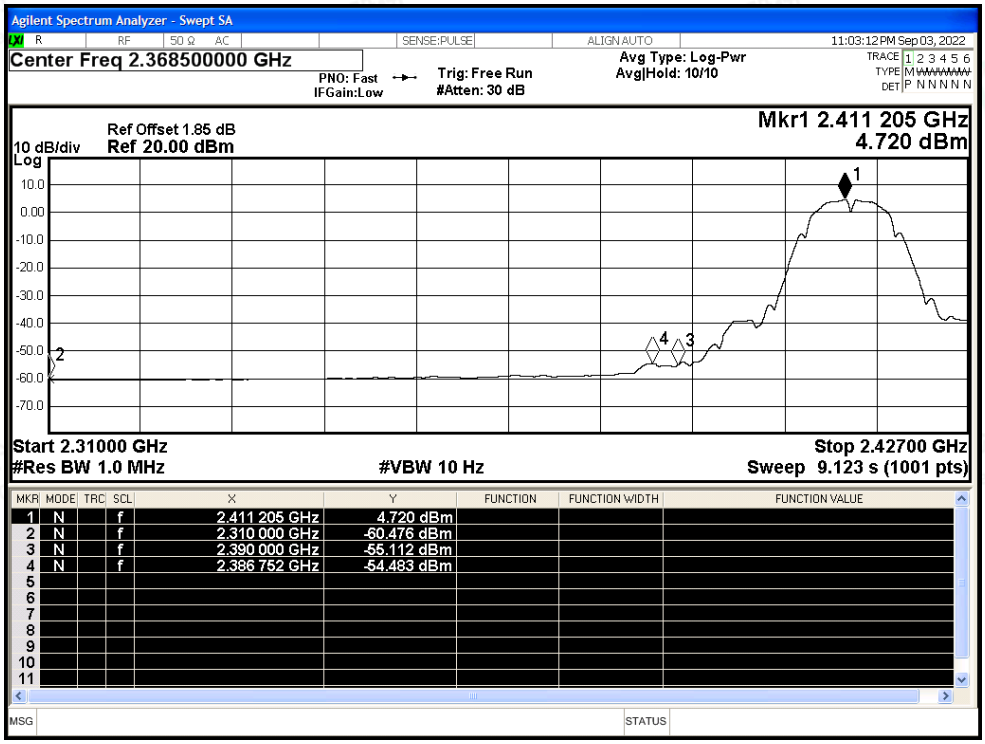
Note: 802.11b and 802.11g mode, only show the worst set of antenna data.

Test Graphs

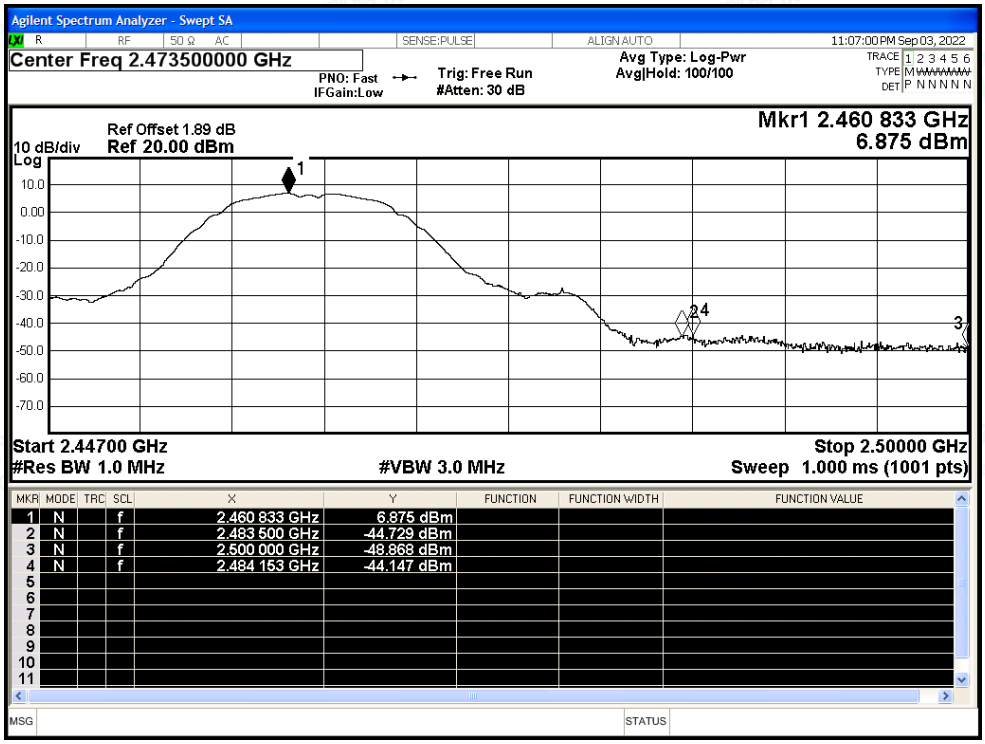
Restrict Band NVNT b 2412MHz Ant0 Peak



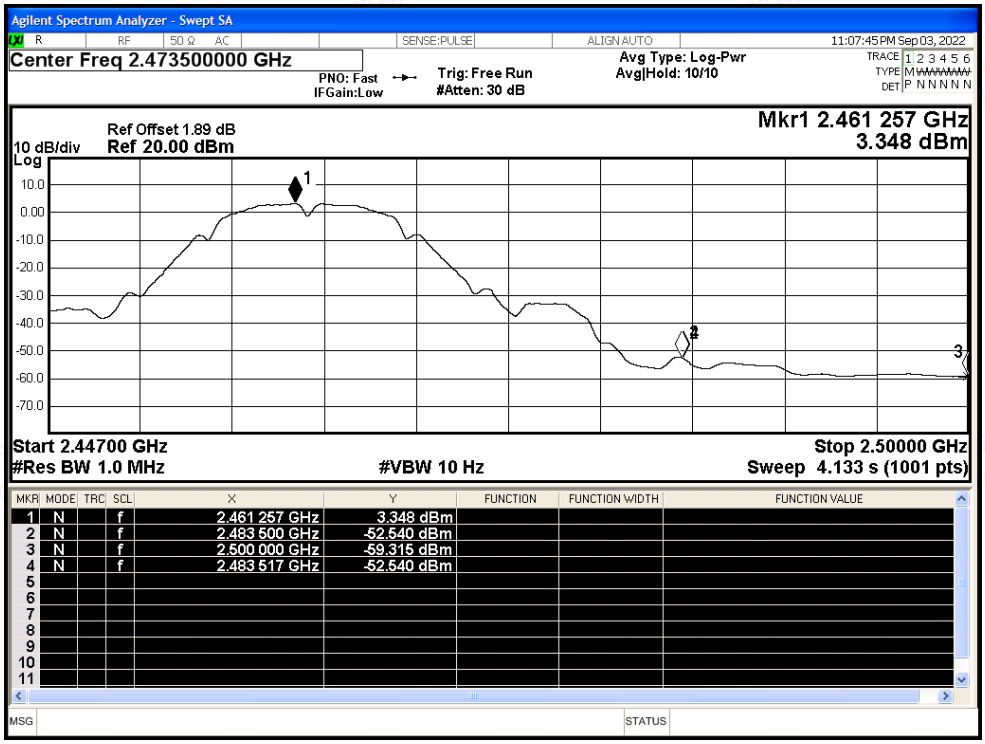
Restrict Band NVNT b 2412MHz Ant0 Average



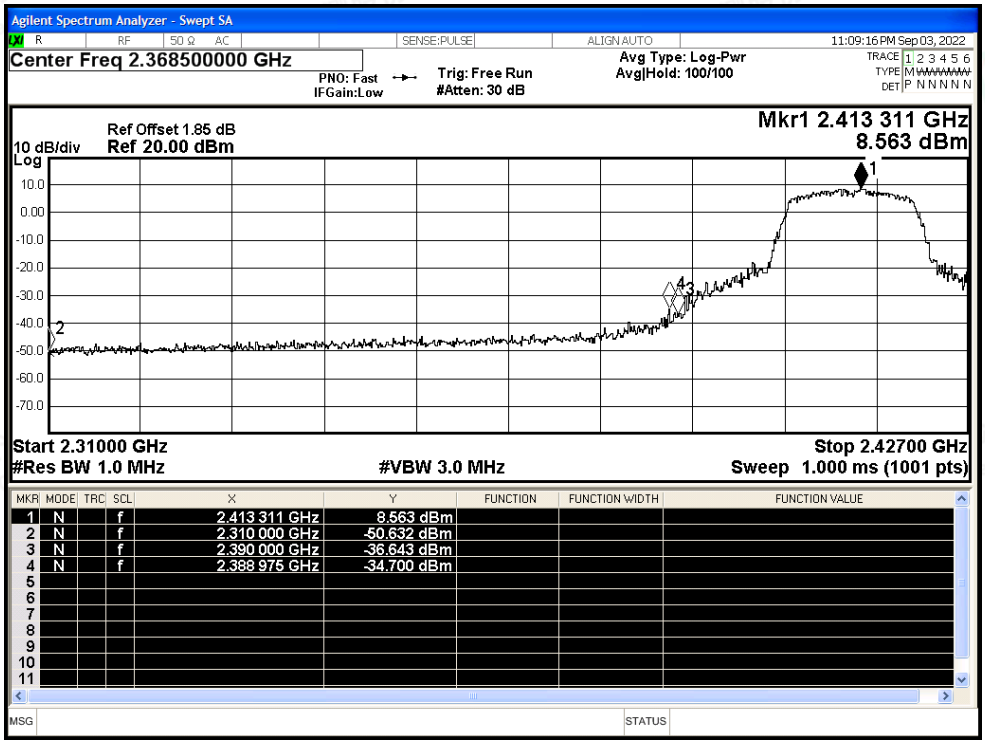
Restrict Band NVNT b 2462MHz Ant0 Peak



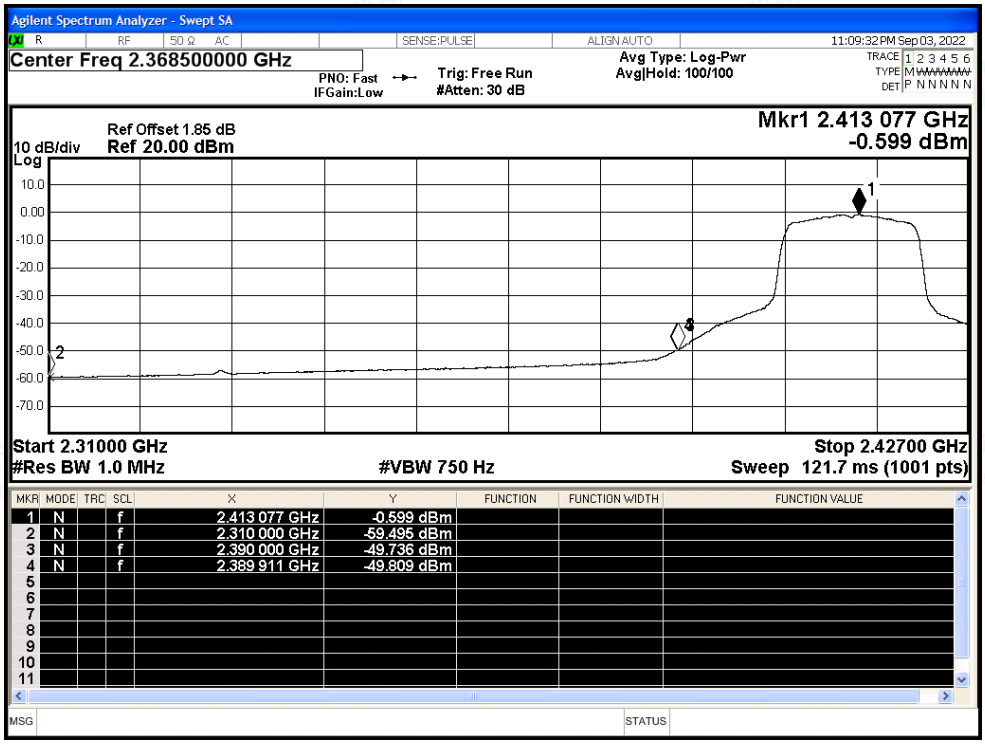
Restrict Band NVNT b 2462MHz Ant0 Average



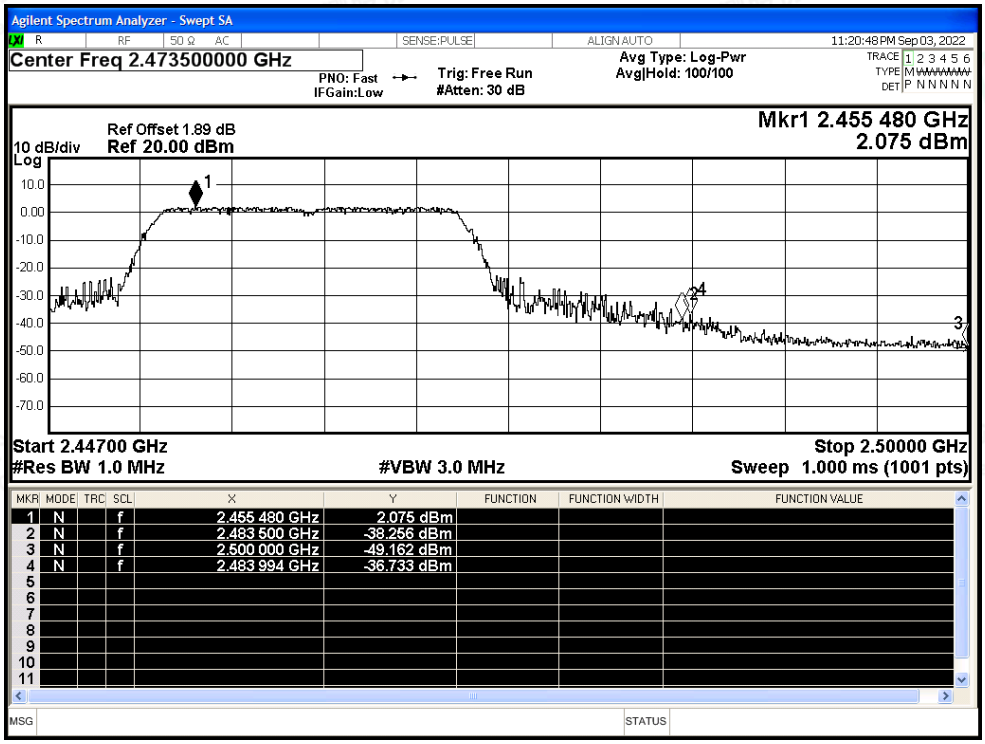
Restrict Band NVNT g 2412MHz Ant0 Peak



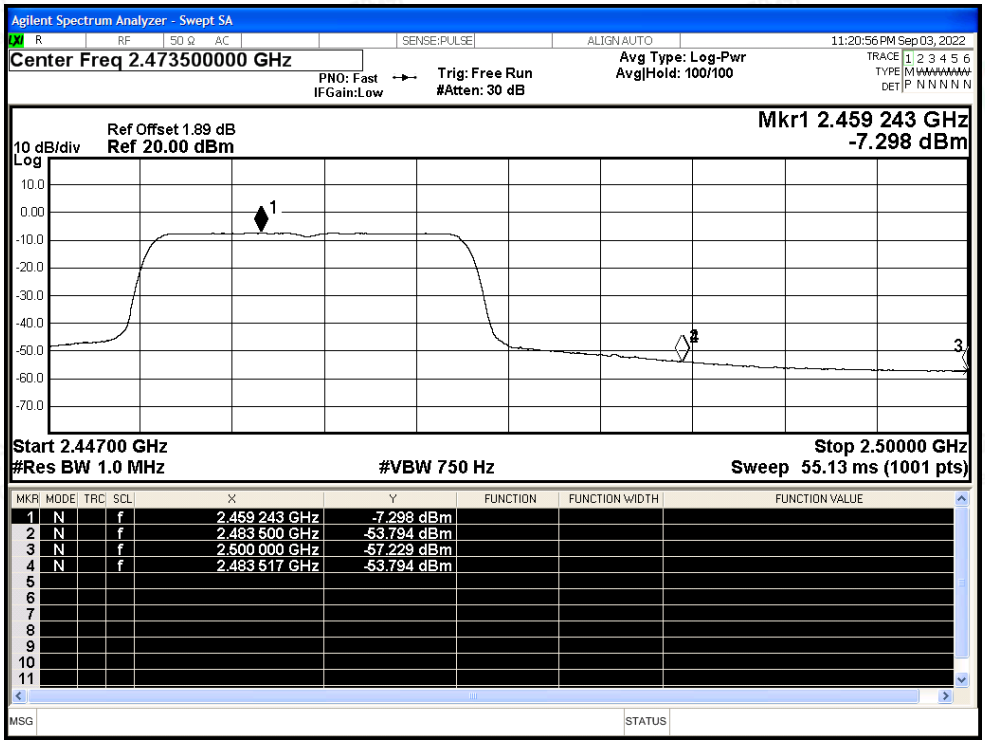
Restrict Band NVNT g 2412MHz Ant0 Average



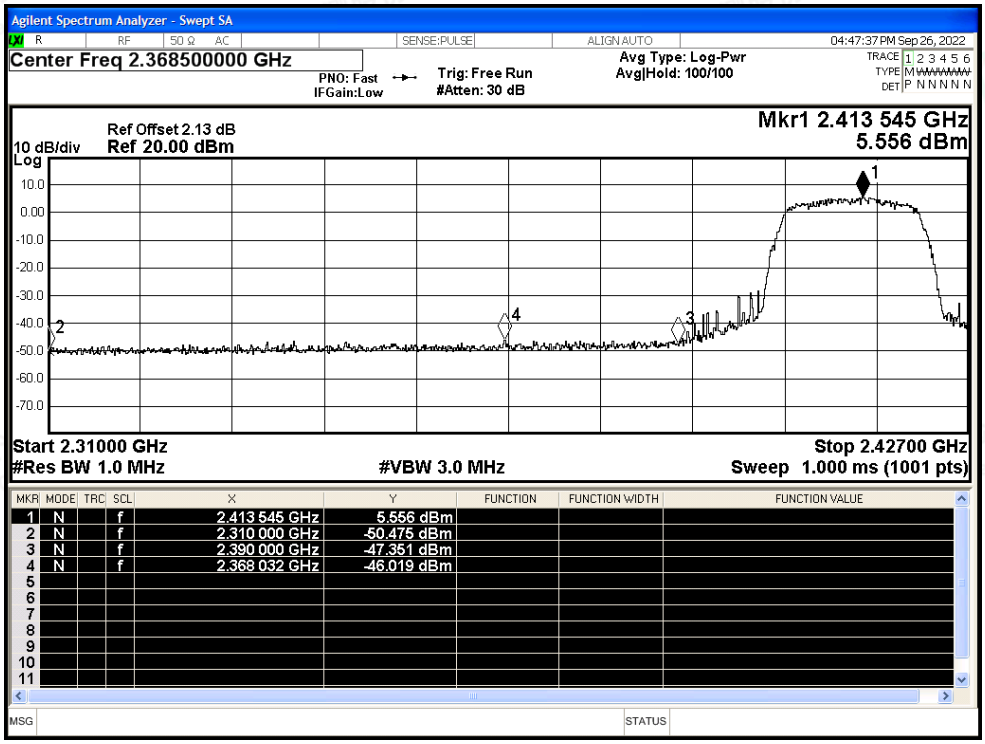
Restrict Band NVNT g 2462MHz Ant0 Peak



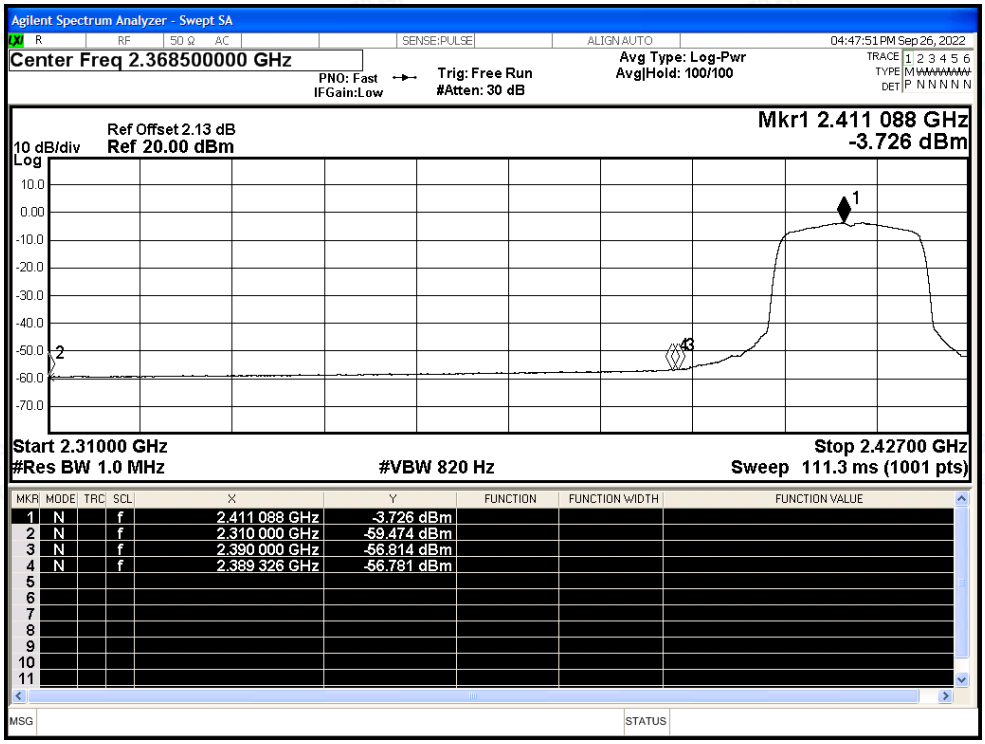
Restrict Band NVNT g 2462MHz Ant0 Average



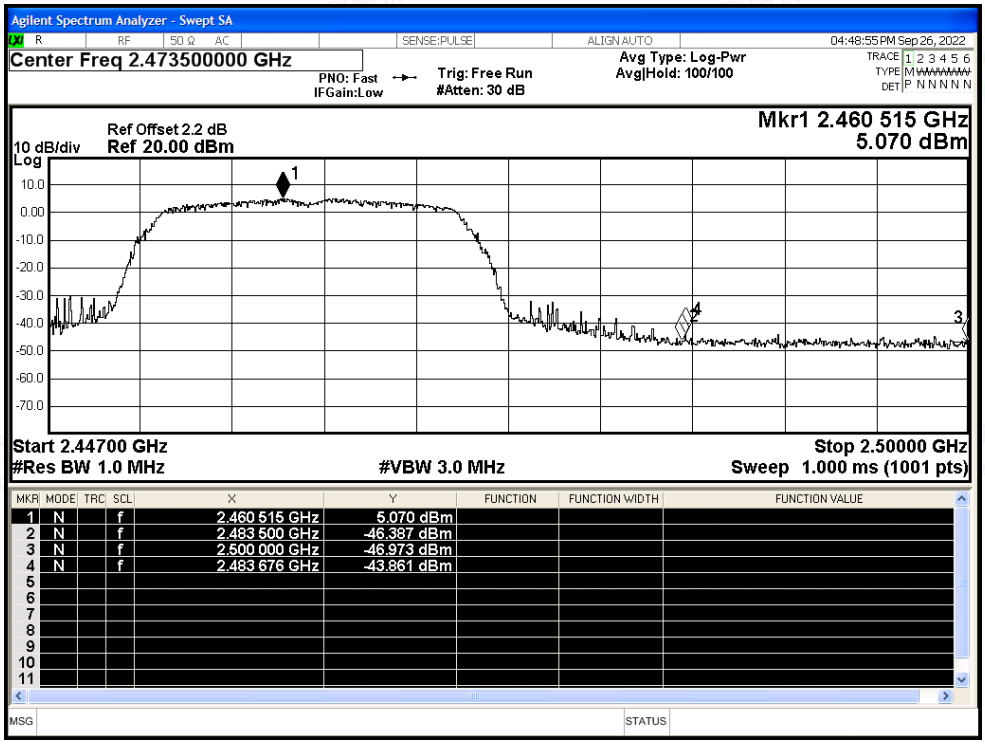
Restrict Band NVNT n20 2412MHz Ant0+Ant1 Peak



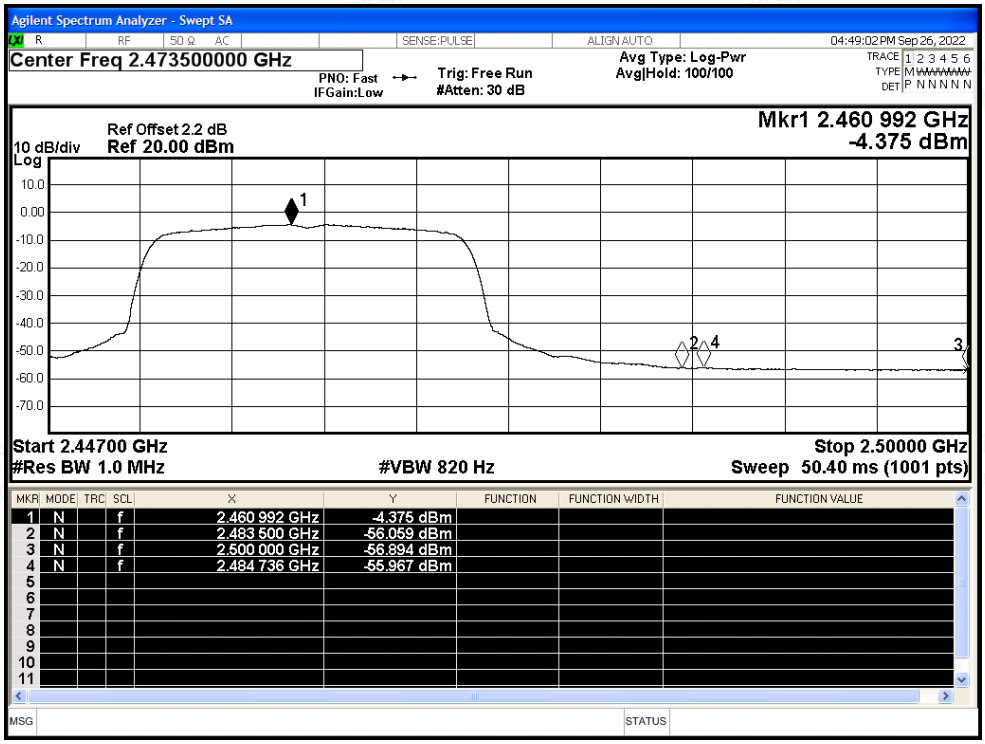
Restrict Band NVNT n20 2412MHz Ant0+Ant1 Average



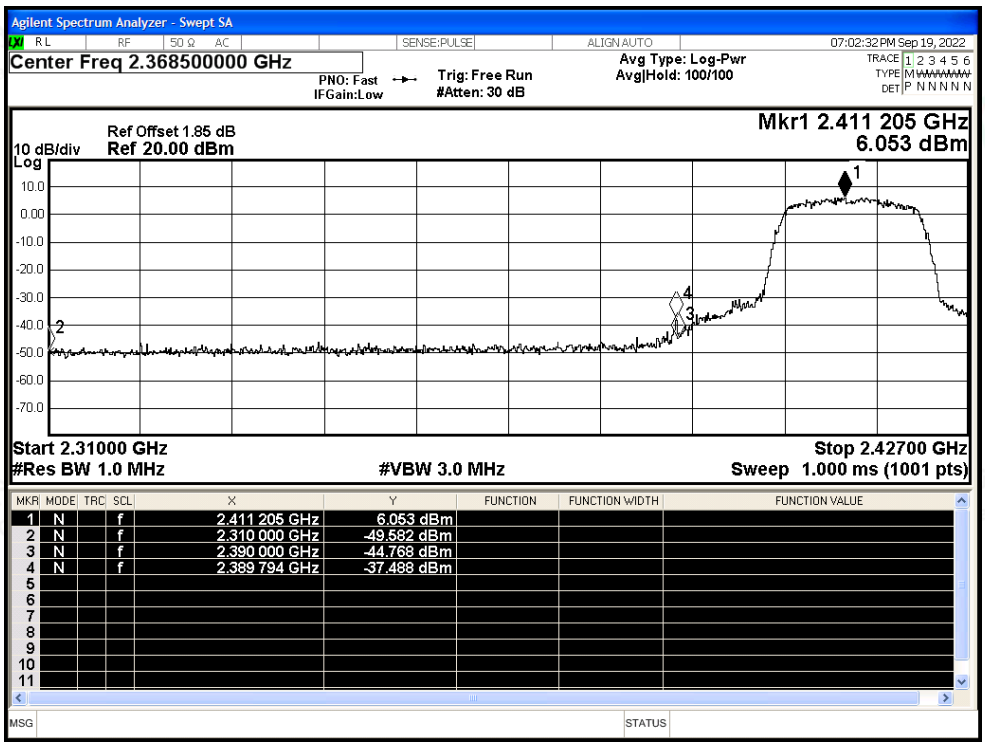
Restrict Band NVNT n20 2462MHz Ant0+Ant1 Peak



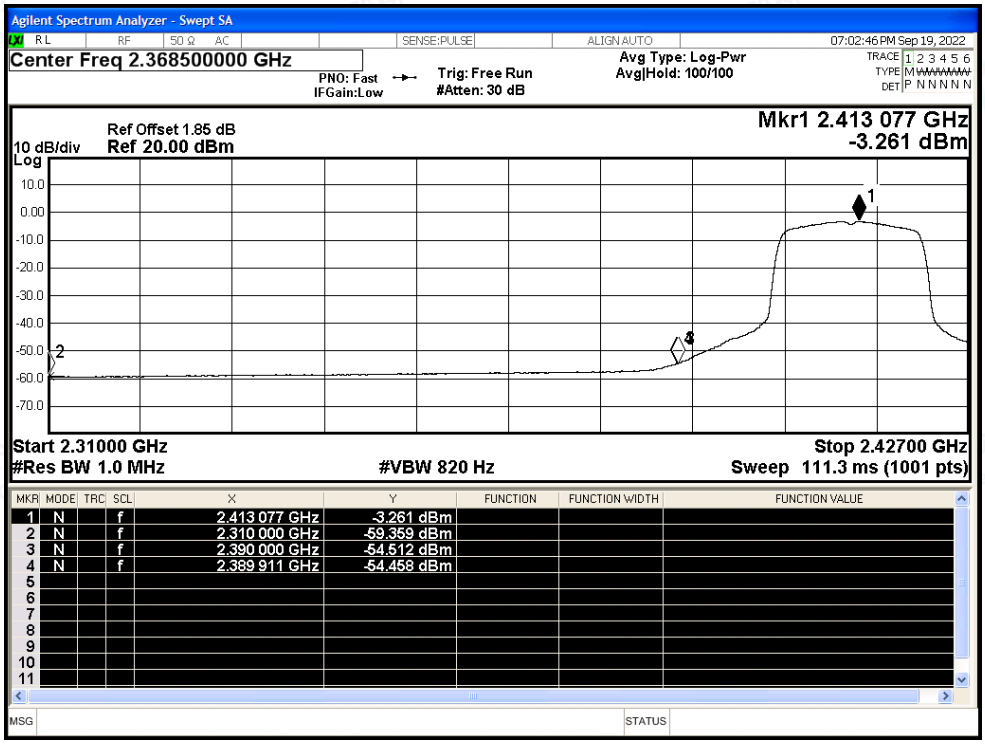
Restrict Band NVNT n20 2462MHz Ant0+Ant1 Average



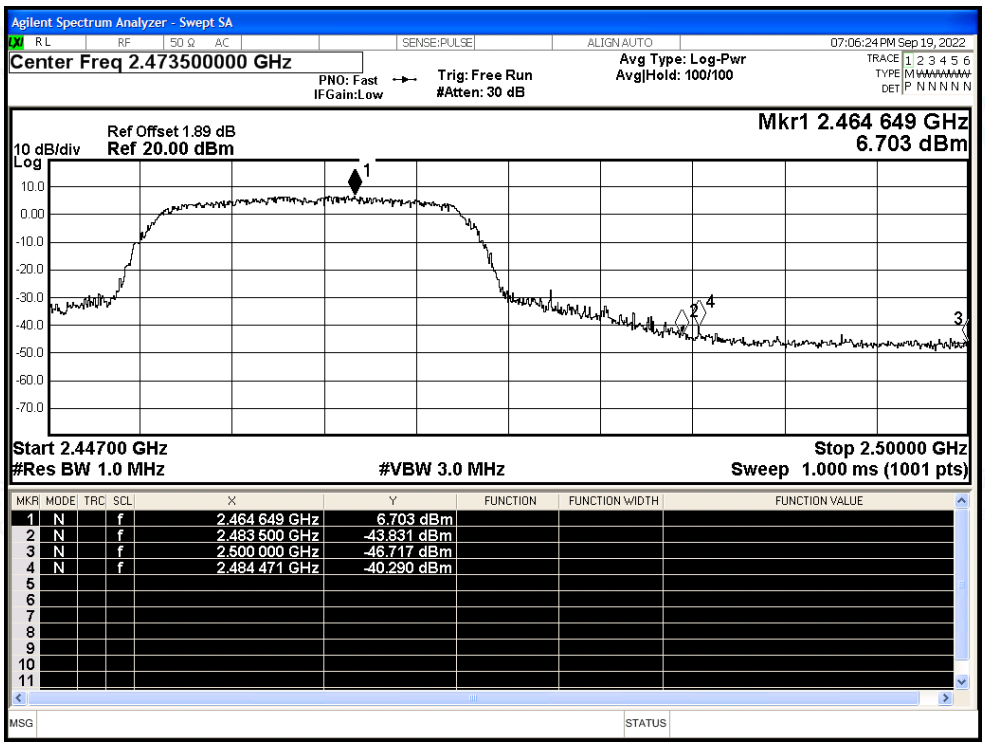
Restrict Band NVNT ax20 2412MHz Ant0+Ant1 Peak



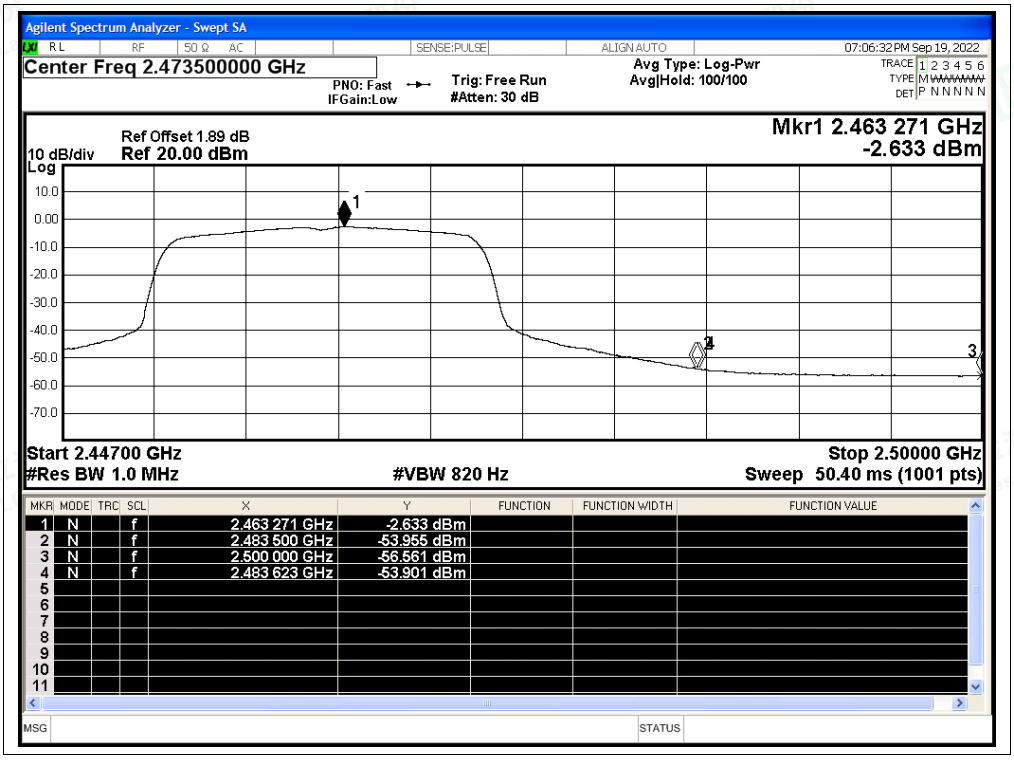
Restrict Band NVNT ax20 2412MHz Ant0+Ant1 Average



Restrict Band NVNT ax20 2462MHz Ant0+Ant1 Peak



Restrict Band NVNT ax20 2462MHz Ant0+Ant1 Average


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.473500000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
07:06:32 PM Sep 19, 2022
Ref Offset 1.89 dB
10 dB/div Ref 20.00 dBm
Log
Mkr1 2.463 271 GHz
-2.633 dBm
Start 2.44700 GHz
#Res BW 1.0 MHz
#VBW 820 Hz
Stop 2.50000 GHz
Sweep 50.40 ms (1001 pts)
1 N f 2.463 271 GHz -2.633 dBm
2 N f 2.483 500 GHz -53.955 dBm
3 N f 2.500 000 GHz -56.561 dBm
4 N f 2.483 623 GHz -53.901 dBm