



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Laptop

Test Model: HPPLP11

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu



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C.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant0	9.888	0.5	Pass
NVNT	b	2437	Ant0	9.986	0.5	Pass
NVNT	b	2462	Ant0	9.703	0.5	Pass
NVNT	g	2412	Ant0	16.314	0.5	Pass
NVNT	g	2437	Ant0	16.286	0.5	Pass
NVNT	g	2462	Ant0	16.324	0.5	Pass
NVNT	n20	2412	Ant0	14.87	0.5	Pass
NVNT	n20	2437	Ant0	17.606	0.5	Pass
NVNT	n20	2462	Ant0	17.324	0.5	Pass
NVNT	n40	2422	Ant0	35.426	0.5	Pass
NVNT	n40	2437	Ant0	29.058	0.5	Pass
NVNT	n40	2452	Ant0	33.425	0.5	Pass

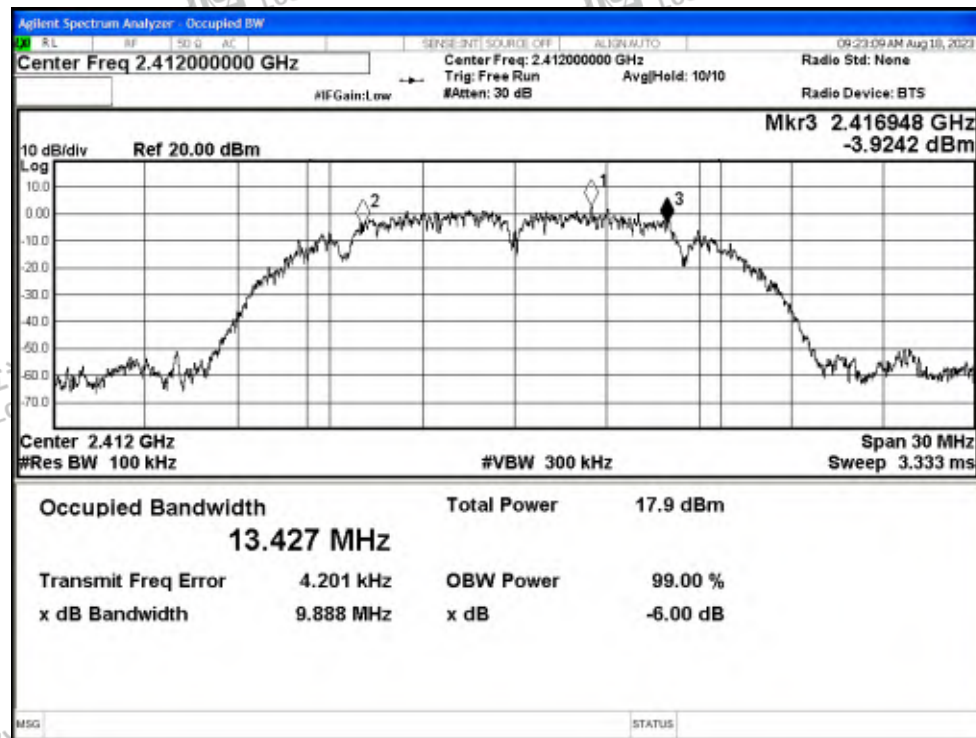


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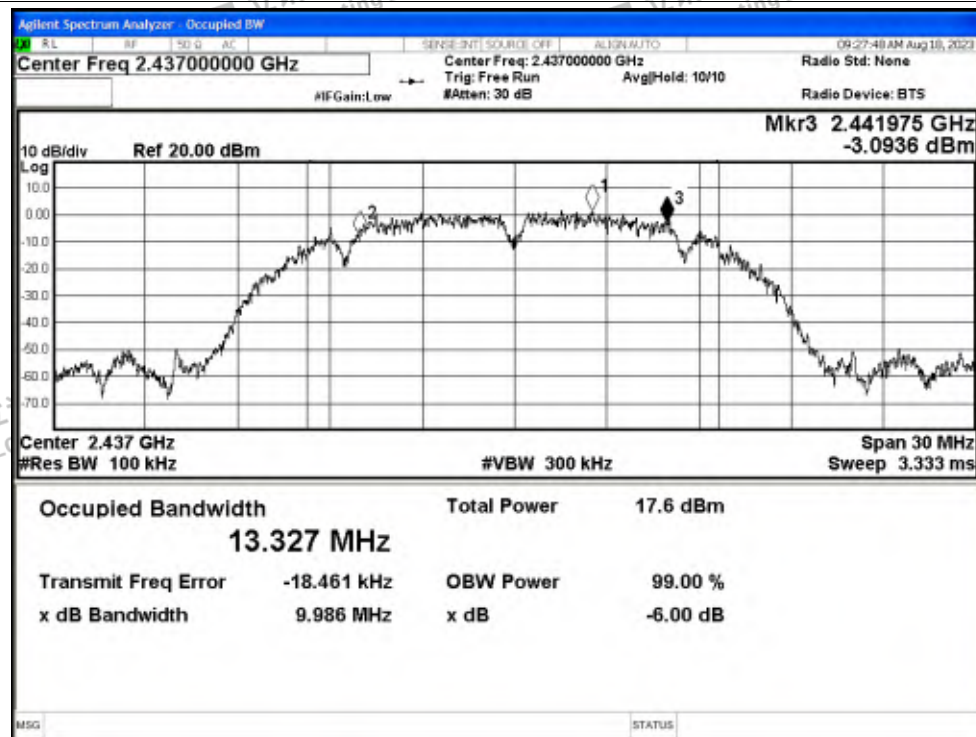


Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant0



-6dB Bandwidth NVNT b 2437MHz Ant0



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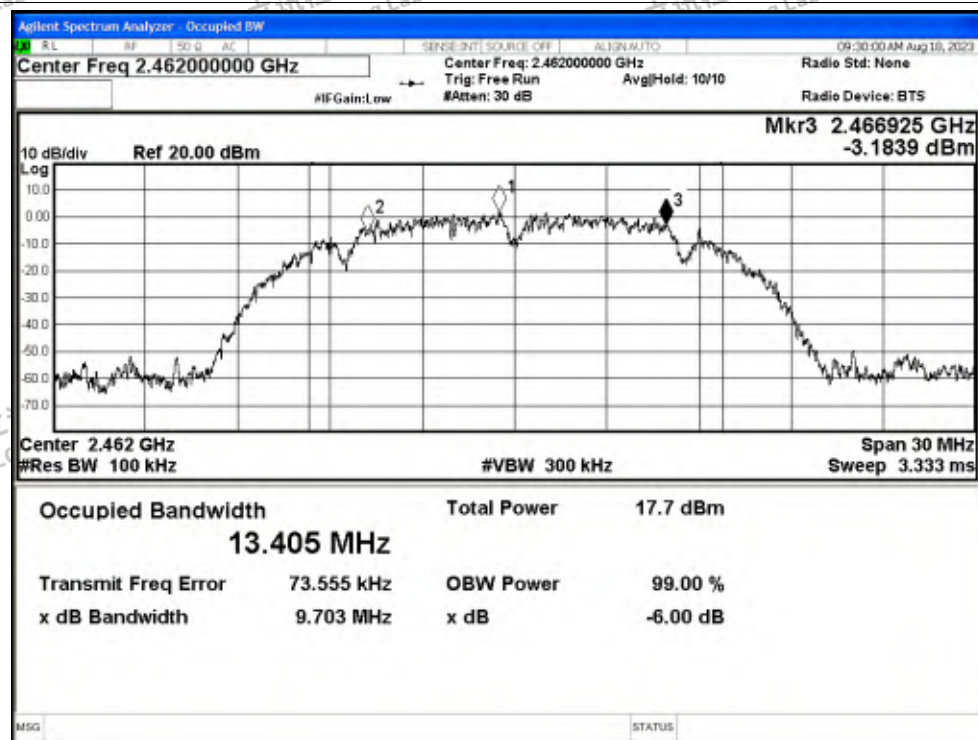
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

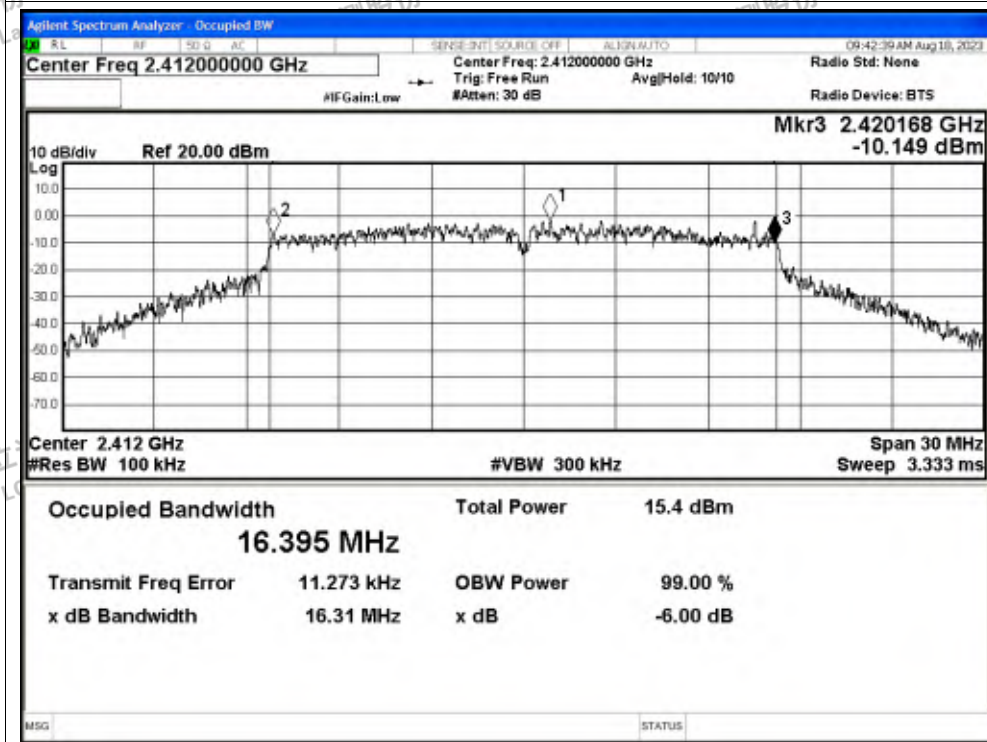
Scan code to check authenticity



-6dB Bandwidth NVNT b 2462MHz Ant0

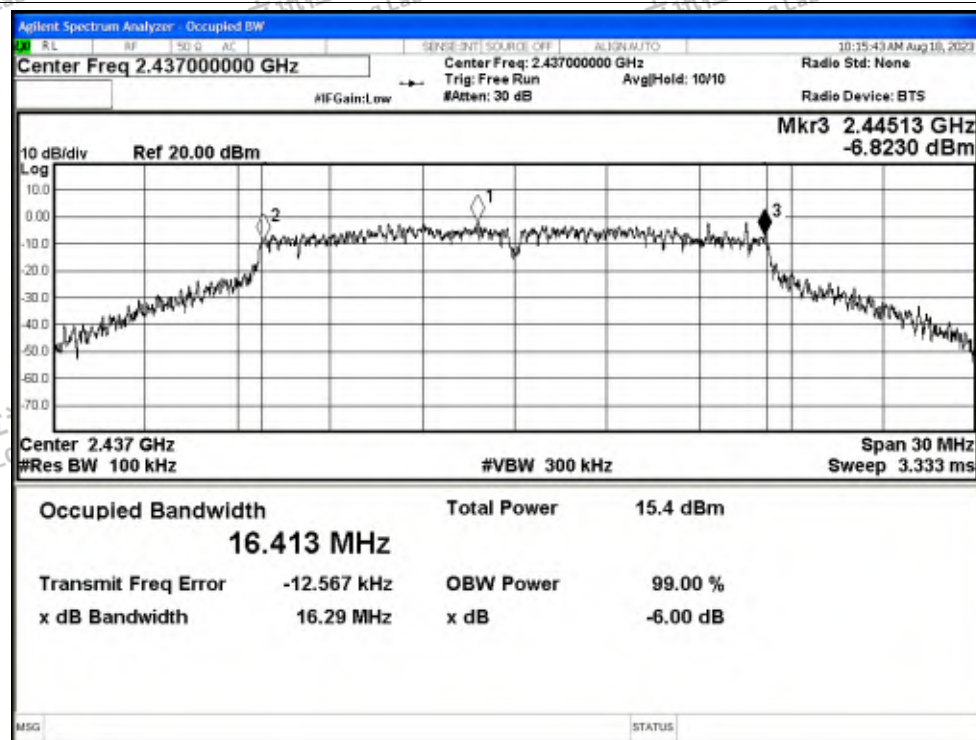


-6dB Bandwidth NVNT g 2412MHz Ant0

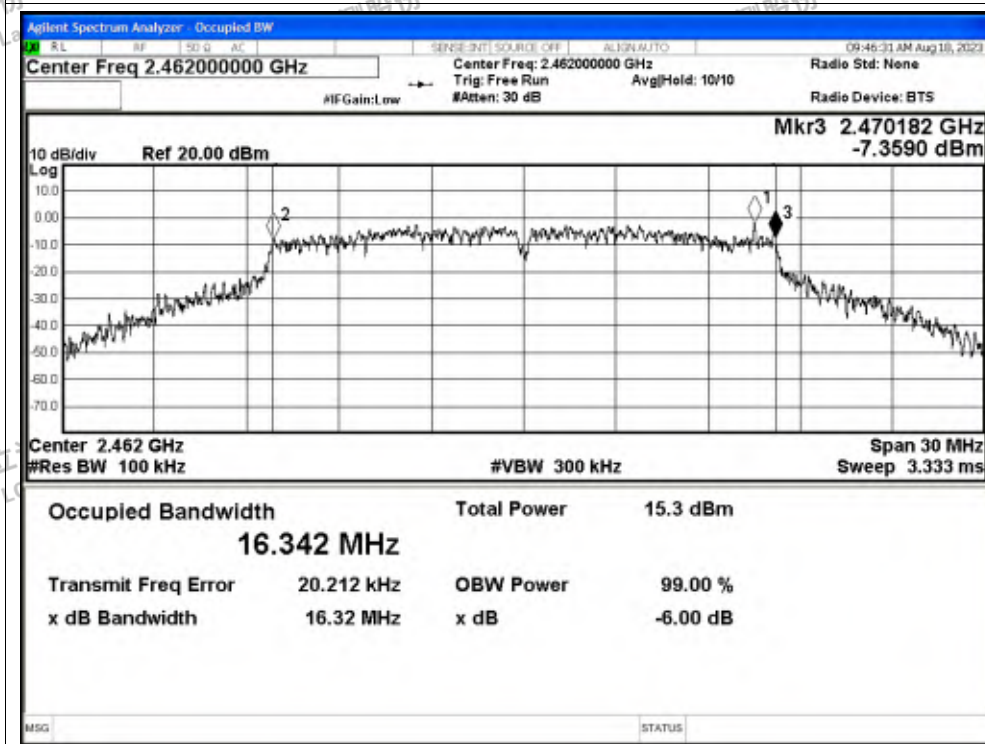




-6dB Bandwidth NVNT g 2437MHz Ant0

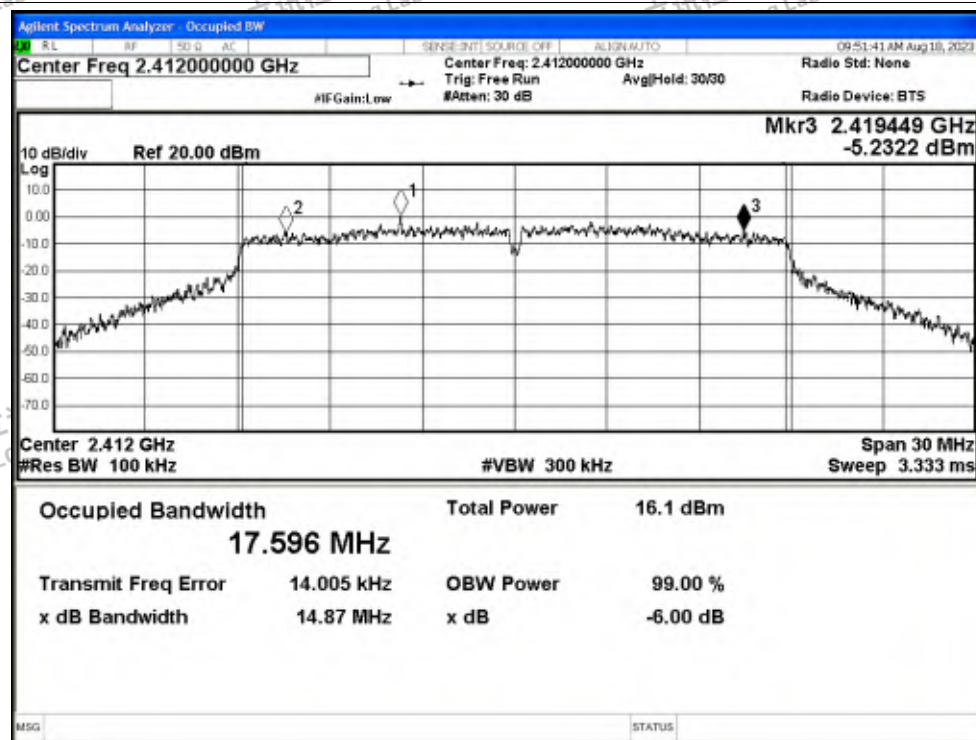


-6dB Bandwidth NVNT g 2462MHz Ant0

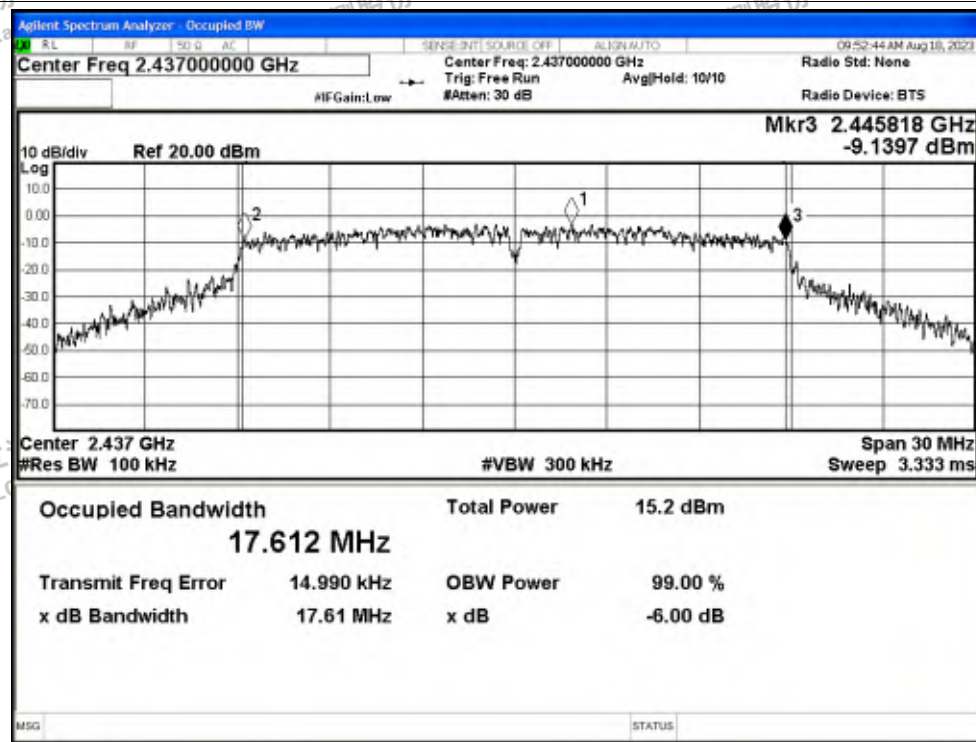




-6dB Bandwidth NVNT n20 2412MHz Ant0

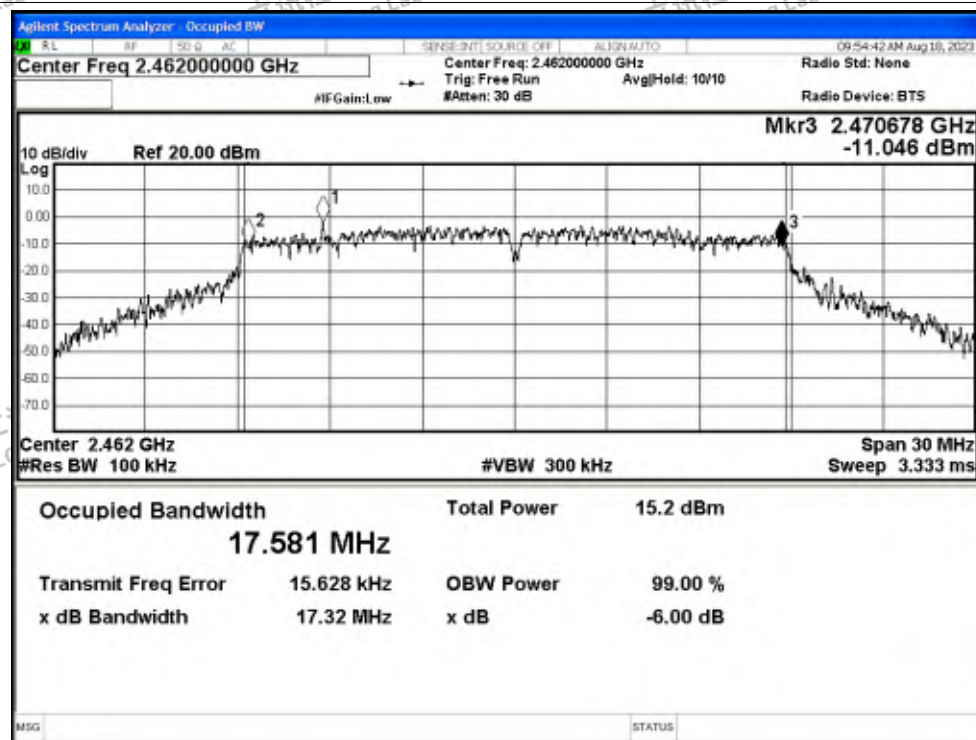


-6dB Bandwidth NVNT n20 2437MHz Ant0

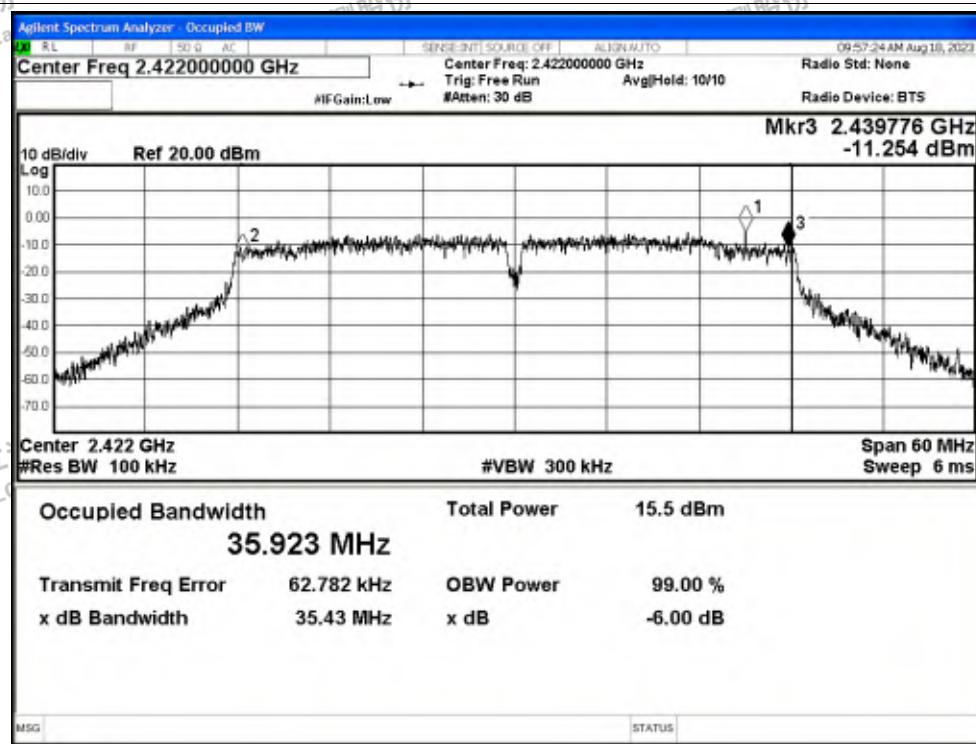




-6dB Bandwidth NVNT n20 2462MHz Ant0

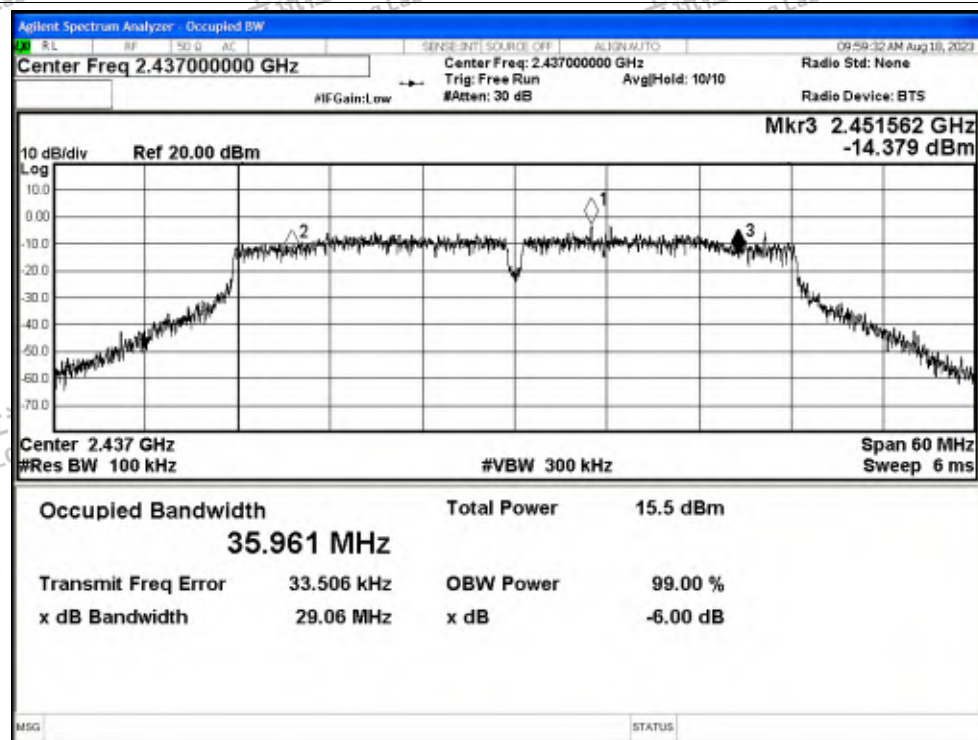


-6dB Bandwidth NVNT n40 2422MHz Ant0

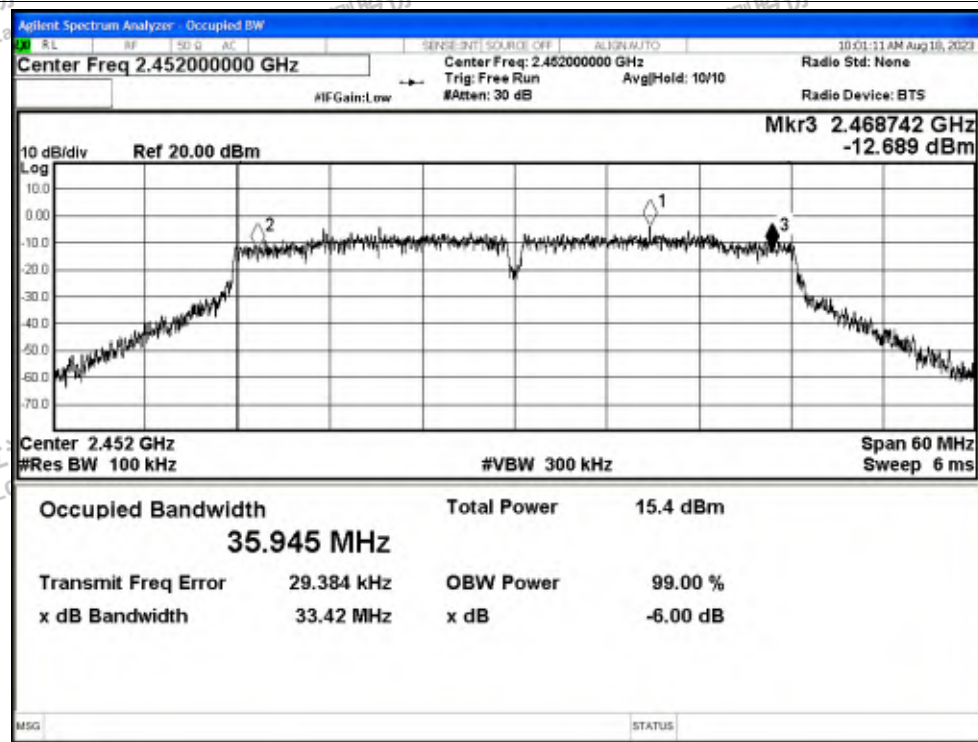




-6dB Bandwidth NVNT n40 2437MHz Ant0



-6dB Bandwidth NVNT n40 2452MHz Ant0





Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.808	0.5	Pass
NVNT	b	2437	Ant1	9.913	0.5	Pass
NVNT	b	2462	Ant1	9.557	0.5	Pass
NVNT	g	2412	Ant1	16.311	0.5	Pass
NVNT	g	2437	Ant1	15.674	0.5	Pass
NVNT	g	2462	Ant1	16.431	0.5	Pass
NVNT	n20	2412	Ant1	12.961	0.5	Pass
NVNT	n20	2437	Ant1	17.313	0.5	Pass
NVNT	n20	2462	Ant1	17.191	0.5	Pass
NVNT	n40	2422	Ant1	33.158	0.5	Pass
NVNT	n40	2437	Ant1	32.51	0.5	Pass
NVNT	n40	2452	Ant1	35.107	0.5	Pass

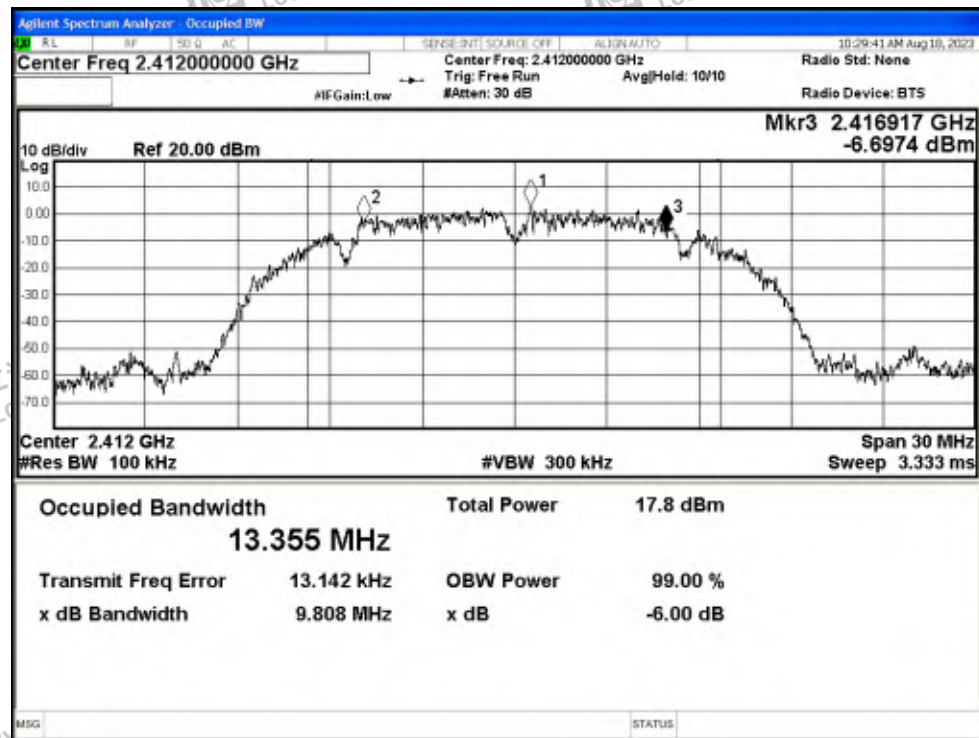


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Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1

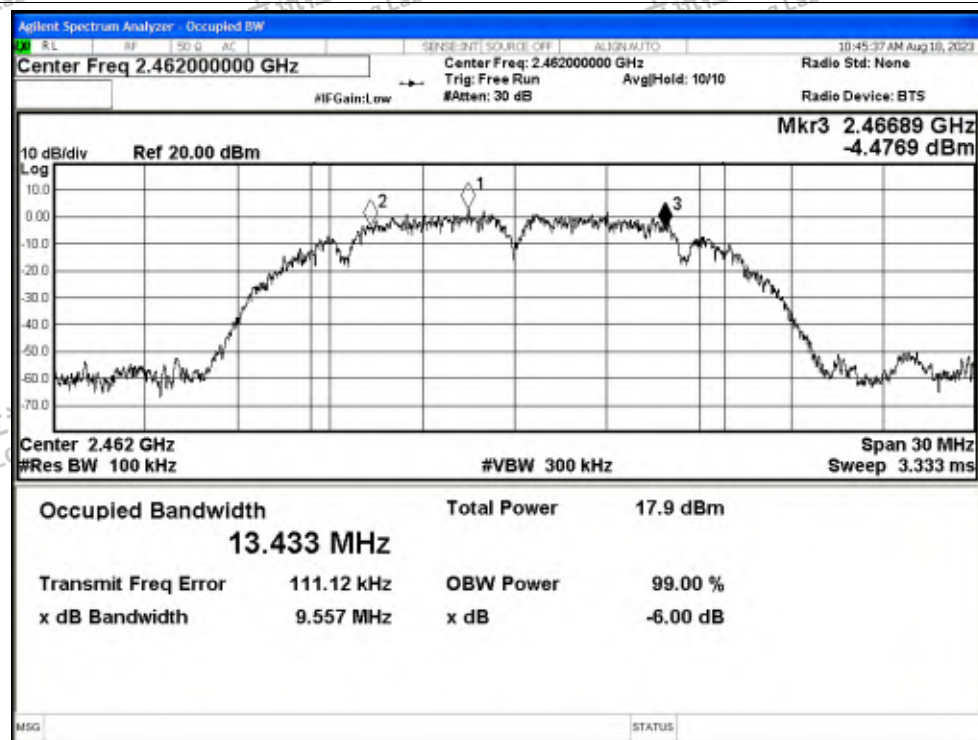


-6dB Bandwidth NVNT b 2437MHz Ant1

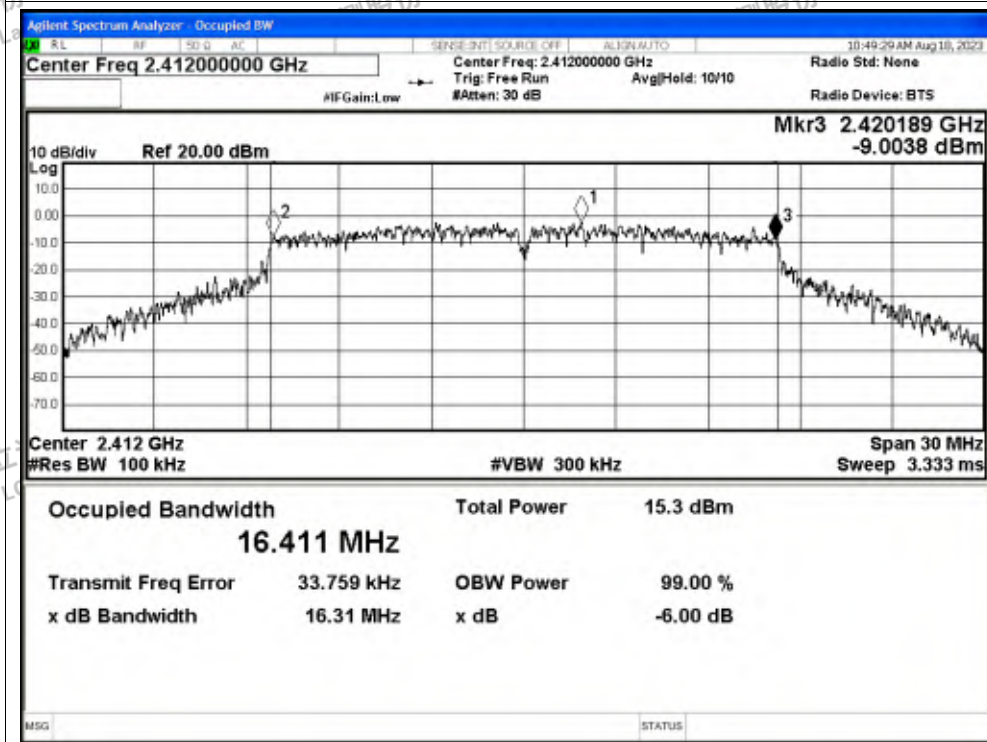




-6dB Bandwidth NVNT b 2462MHz Ant1

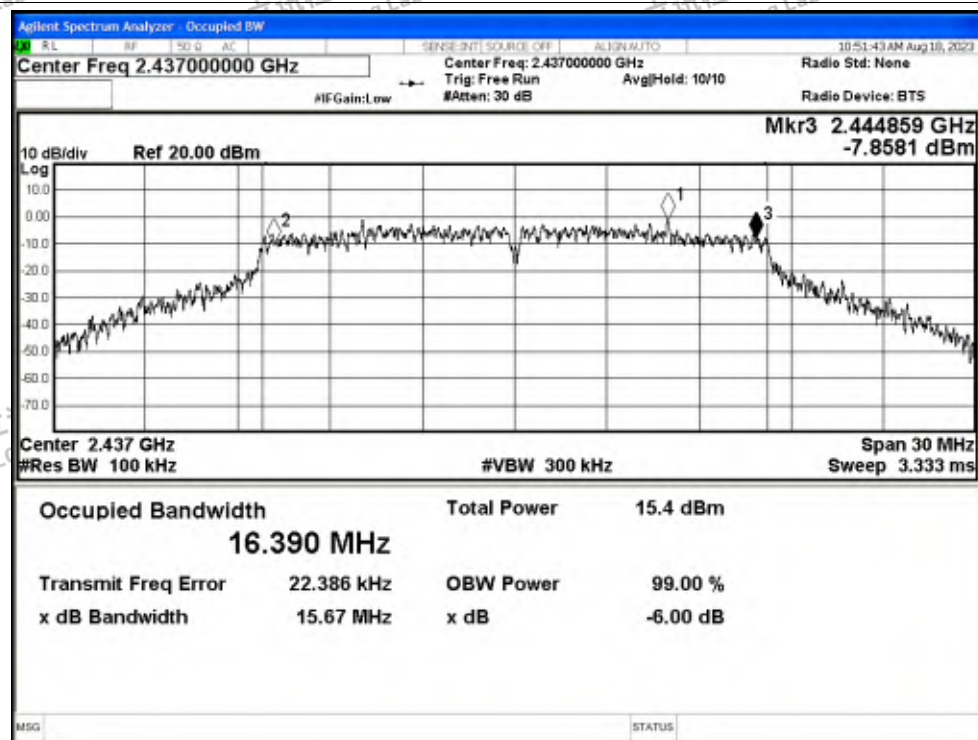


-6dB Bandwidth NVNT g 2412MHz Ant1

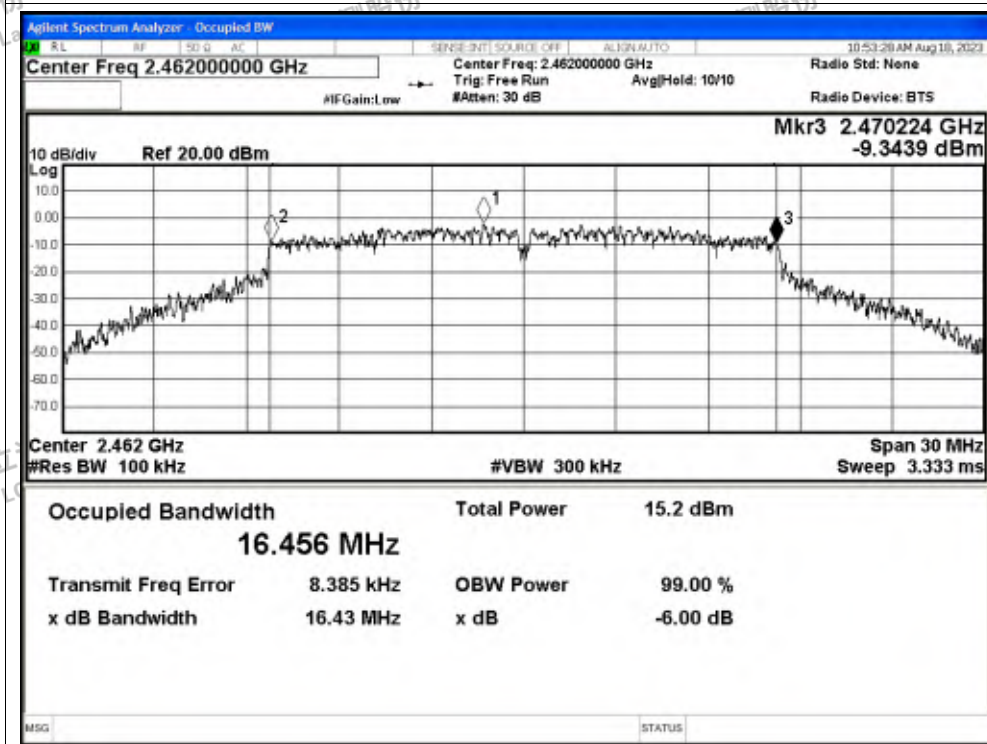




-6dB Bandwidth NVNT g 2437MHz Ant1

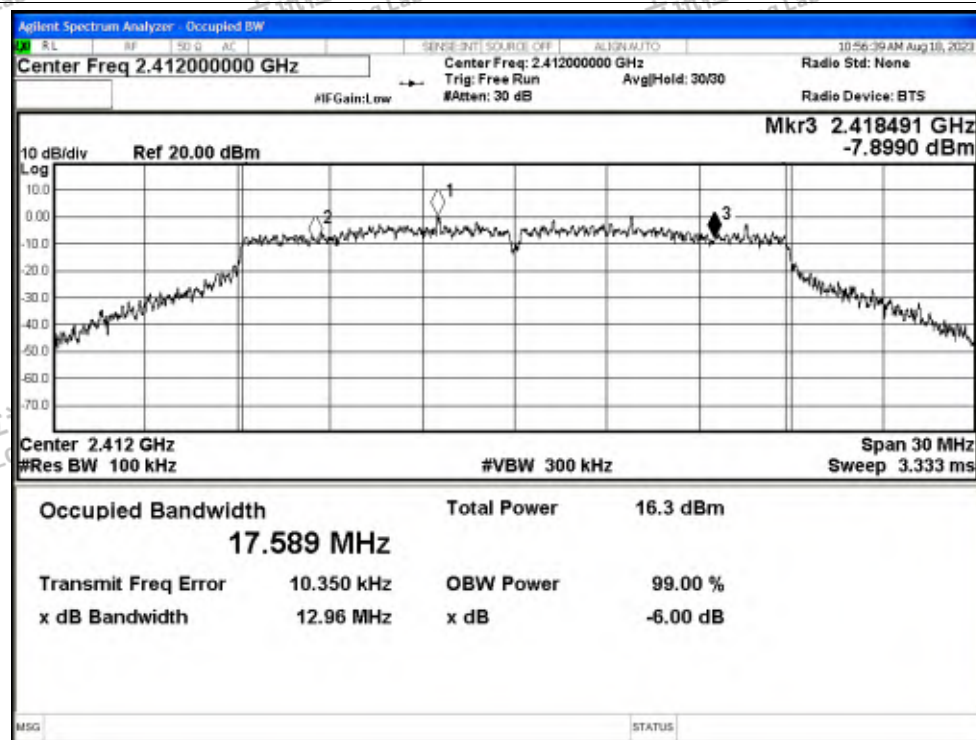


-6dB Bandwidth NVNT g 2462MHz Ant1





-6dB Bandwidth NVNT n20 2412MHz Ant1

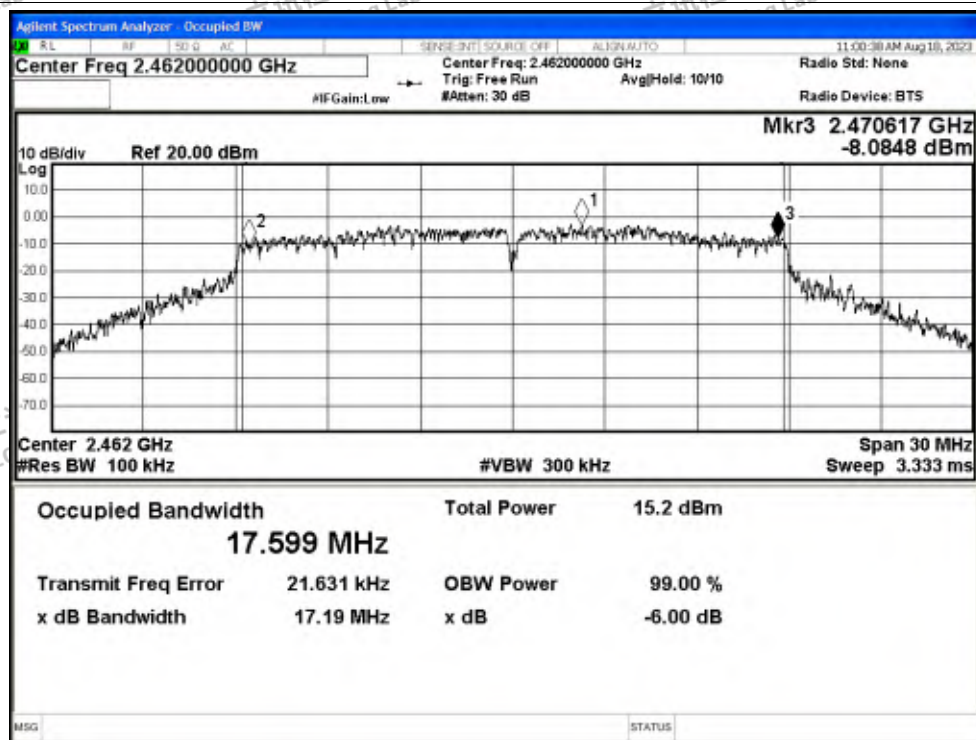


-6dB Bandwidth NVNT n20 2437MHz Ant1

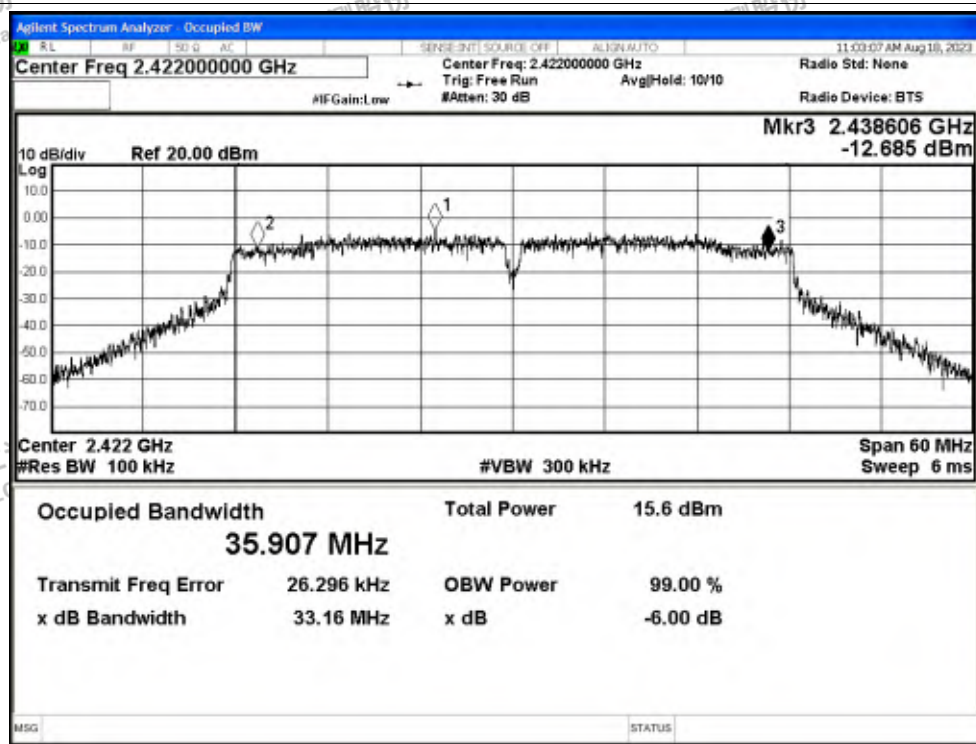




-6dB Bandwidth NVNT n20 2462MHz Ant1

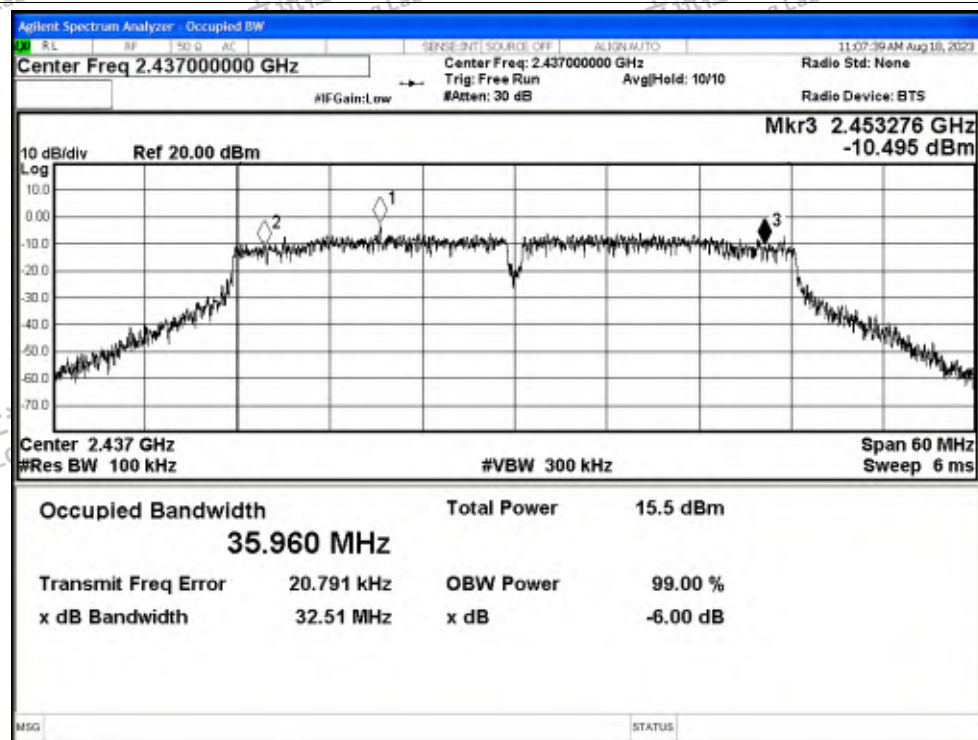


-6dB Bandwidth NVNT n40 2422MHz Ant1

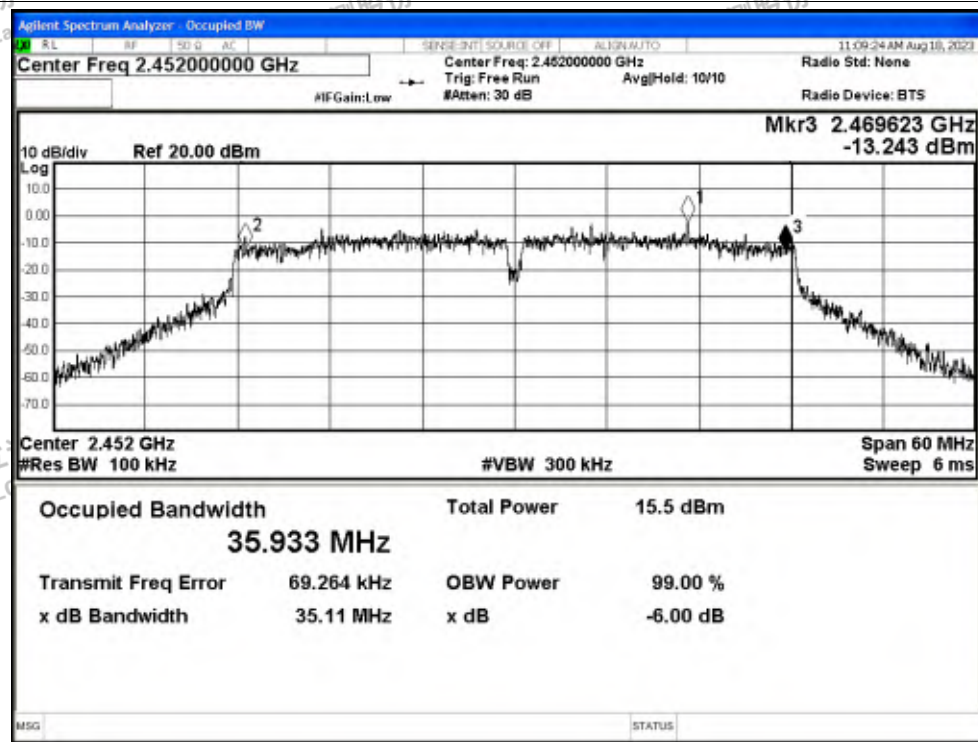




-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1





C.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant0	14.27	30	Pass
NVNT	b	2437	Ant0	14.30	30	Pass
NVNT	b	2462	Ant0	14.17	30	Pass
NVNT	g	2412	Ant0	14.12	30	Pass
NVNT	g	2437	Ant0	14.02	30	Pass
NVNT	g	2462	Ant0	13.95	30	Pass
NVNT	n20	2412	Ant0	13.96	30	Pass
NVNT	n20	2437	Ant0	13.77	30	Pass
NVNT	n20	2462	Ant0	15.43	30	Pass
NVNT	n40	2422	Ant0	13.92	30	Pass
NVNT	n40	2437	Ant0	14.04	30	Pass
NVNT	n40	2452	Ant0	13.96	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.39	30	Pass
NVNT	b	2437	Ant1	14.55	30	Pass
NVNT	b	2462	Ant1	14.40	30	Pass
NVNT	g	2412	Ant1	14.11	30	Pass
NVNT	g	2437	Ant1	13.99	30	Pass
NVNT	g	2462	Ant1	13.93	30	Pass
NVNT	n20	2412	Ant1	13.94	30	Pass
NVNT	n20	2437	Ant1	14.03	30	Pass
NVNT	n20	2462	Ant1	15.57	30	Pass
NVNT	n40	2422	Ant1	14.09	30	Pass
NVNT	n40	2437	Ant1	14.00	30	Pass
NVNT	n40	2452	Ant1	13.98	30	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	2412	13.96	13.94	16.96	30	Pass
NVNT	n20	2437	13.77	14.03	16.91	30	Pass
NVNT	n20	2462	15.43	15.57	18.51	30	Pass
NVNT	n40	2422	13.92	14.09	17.02	30	Pass
NVNT	n40	2437	14.04	14.00	17.03	30	Pass
NVNT	n40	2452	13.96	13.98	16.98	30	Pass



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C.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant0	-10.18	8	Pass
NVNT	b	2437	Ant0	-10.95	8	Pass
NVNT	b	2462	Ant0	-11.17	8	Pass
NVNT	g	2412	Ant0	-14.37	8	Pass
NVNT	g	2437	Ant0	-13.54	8	Pass
NVNT	g	2462	Ant0	-13.22	8	Pass
NVNT	n20	2412	Ant0	-14.28	8	Pass
NVNT	n20	2437	Ant0	-12.11	8	Pass
NVNT	n20	2462	Ant0	-13.77	8	Pass
NVNT	n40	2422	Ant0	-16.57	8	Pass
NVNT	n40	2437	Ant0	-16.15	8	Pass
NVNT	n40	2452	Ant0	-17.20	8	Pass

Condition	Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-10.76	8	Pass
NVNT	b	2437	Ant1	-10.29	8	Pass
NVNT	b	2462	Ant1	-10.58	8	Pass
NVNT	g	2412	Ant1	-14.26	8	Pass
NVNT	g	2437	Ant1	-12.37	8	Pass
NVNT	g	2462	Ant1	-13.61	8	Pass
NVNT	n20	2412	Ant1	-14.20	8	Pass
NVNT	n20	2437	Ant1	-13.79	8	Pass
NVNT	n20	2462	Ant1	-14.50	8	Pass
NVNT	n40	2422	Ant1	-16.97	8	Pass
NVNT	n40	2437	Ant1	-16.56	8	Pass
NVNT	n40	2452	Ant1	-16.69	8	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm/3kHz)			Limit (dBm)	Verdict
			Ant0	Ant1	Ant0+Ant1		
NVNT	n20	2412	-14.28	-14.20	-11.23	7.53	Pass
NVNT	n20	2437	-12.11	-13.79	-9.86	7.53	Pass
NVNT	n20	2462	-13.77	-14.50	-11.11	7.53	Pass
NVNT	n40	2422	-16.57	-16.97	-13.76	7.53	Pass
NVNT	n40	2437	-16.15	-16.56	-13.34	7.53	Pass
NVNT	n40	2452	-17.20	-16.69	-13.93	7.53	Pass



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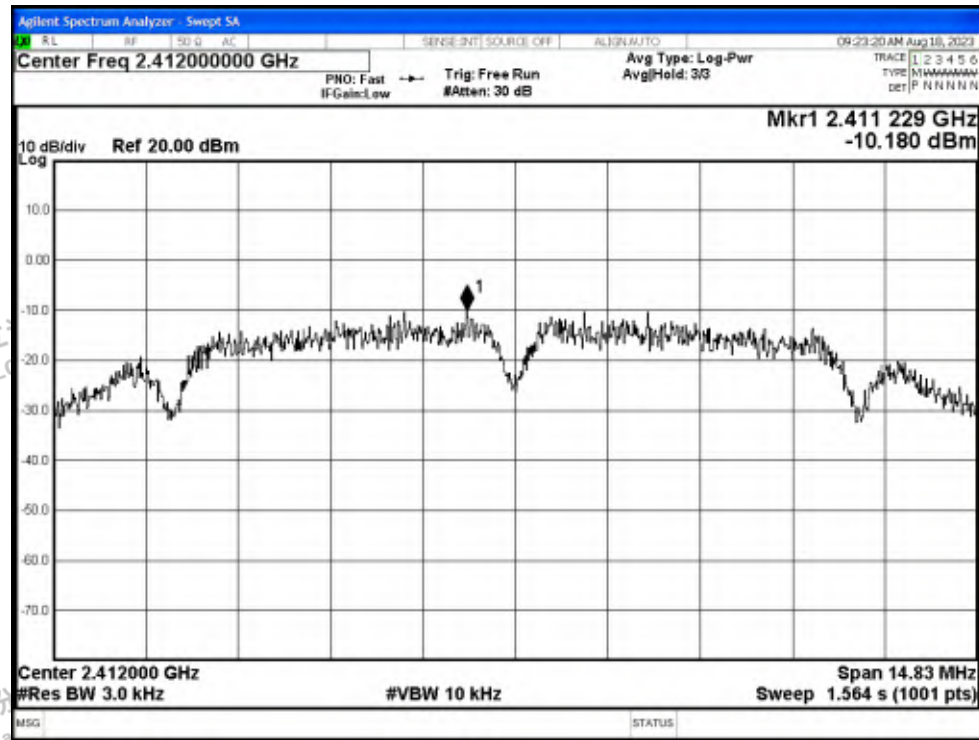
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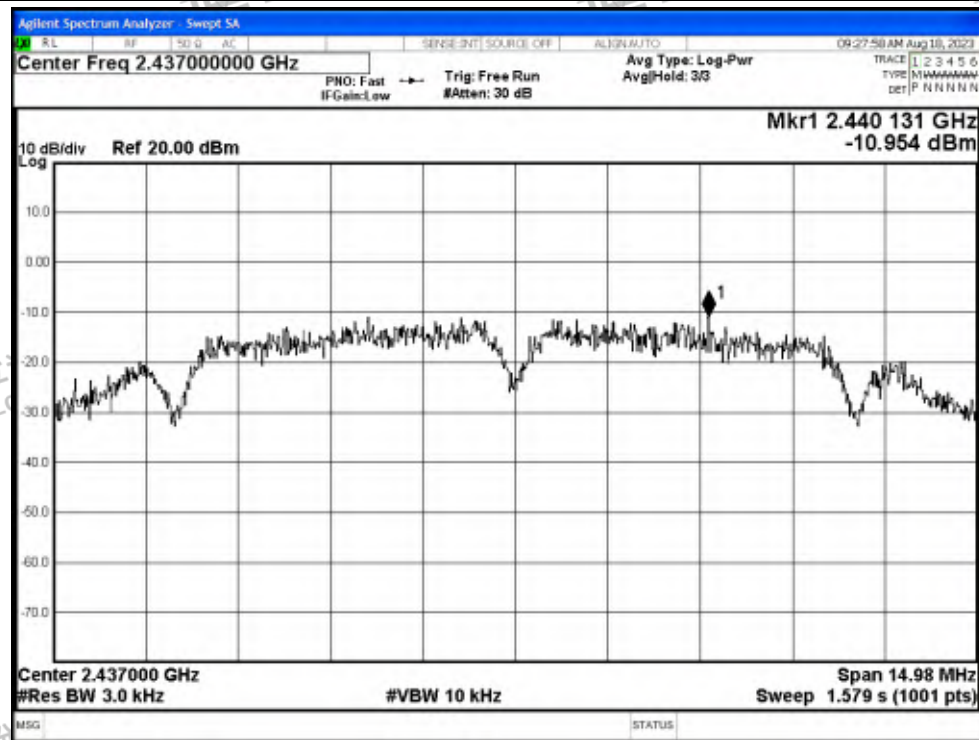


Test Graphs

PSD NVNT b 2412MHz Ant0

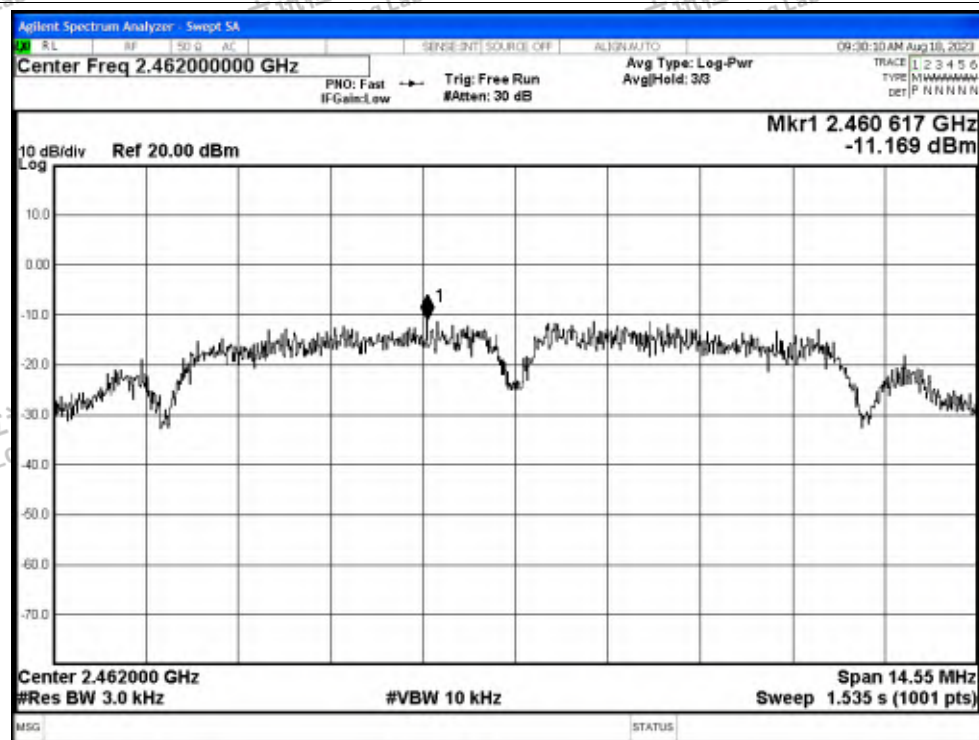


PSD NVNT b 2437MHz Ant0

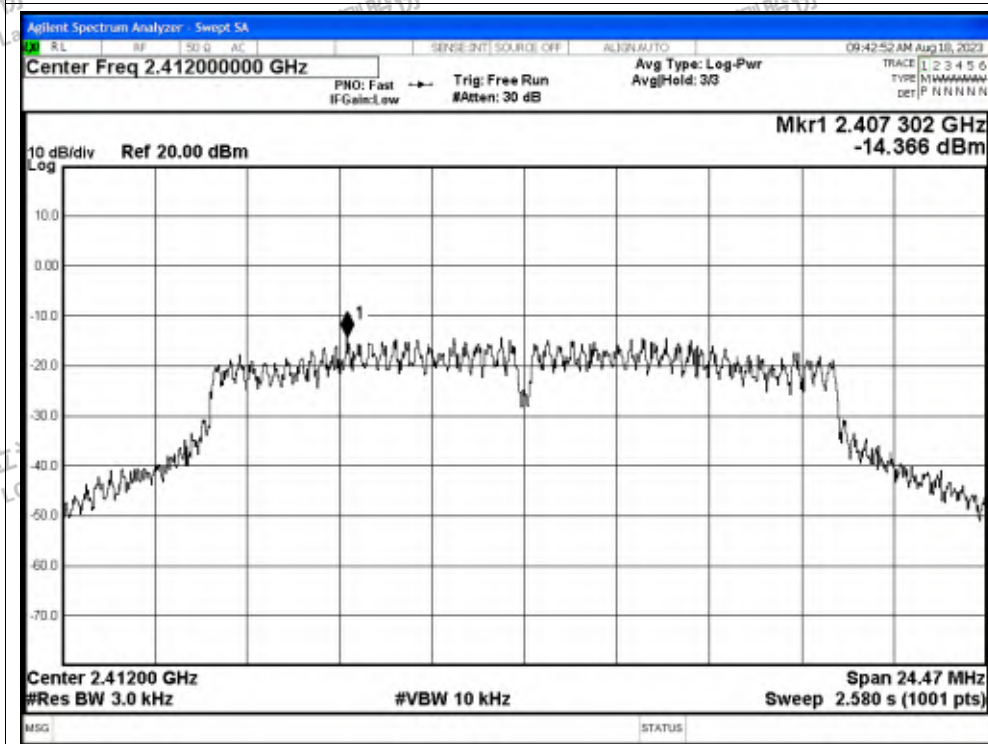




PSD NVNT b 2462MHz Ant0

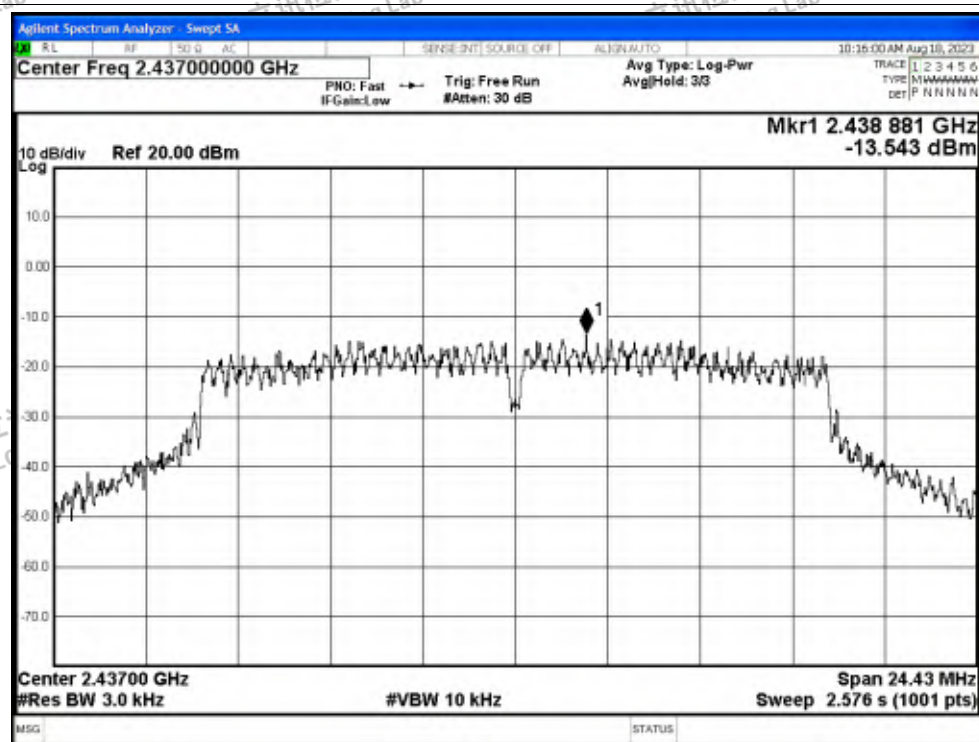


PSD NVNT g 2412MHz Ant0

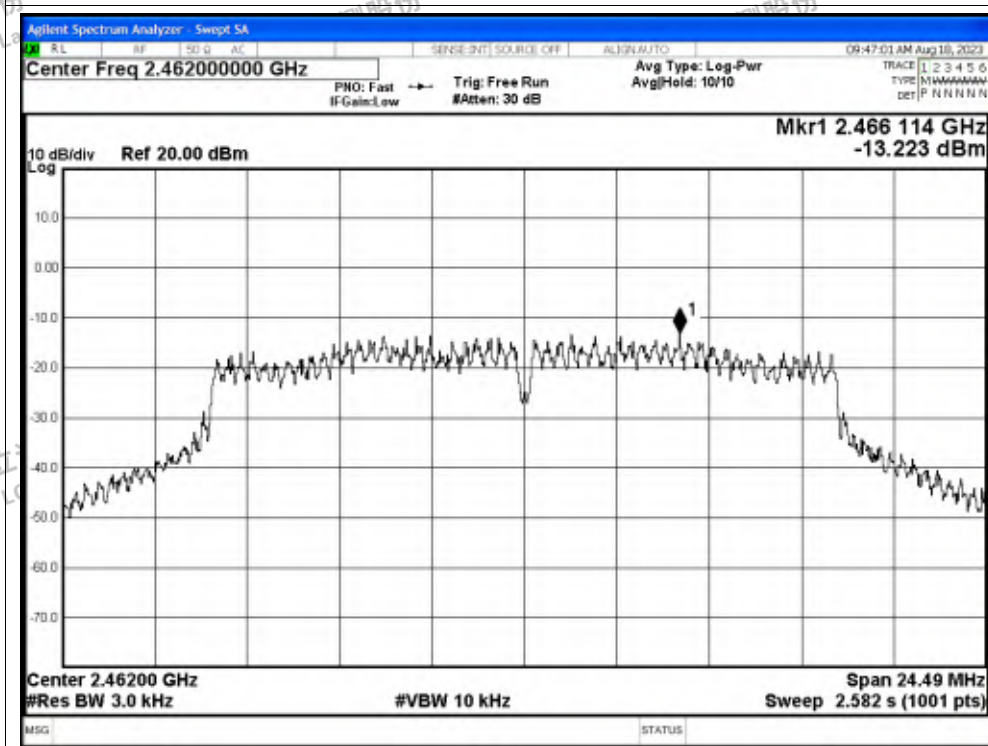




PSD NVNT g 2437MHz Ant0

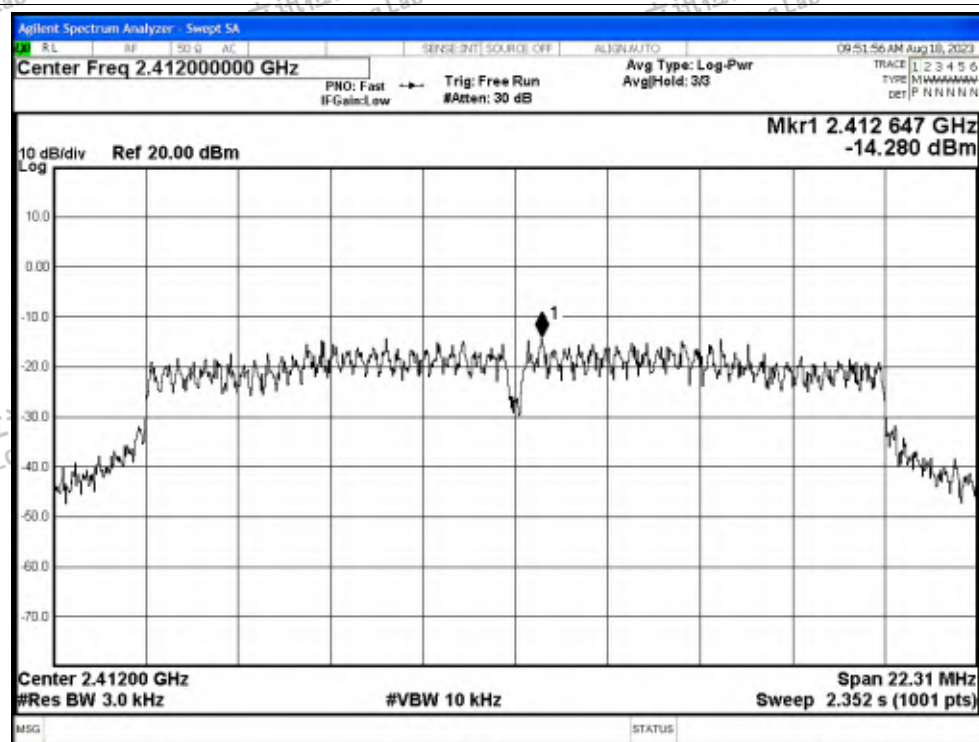


PSD NVNT g 2462MHz Ant0

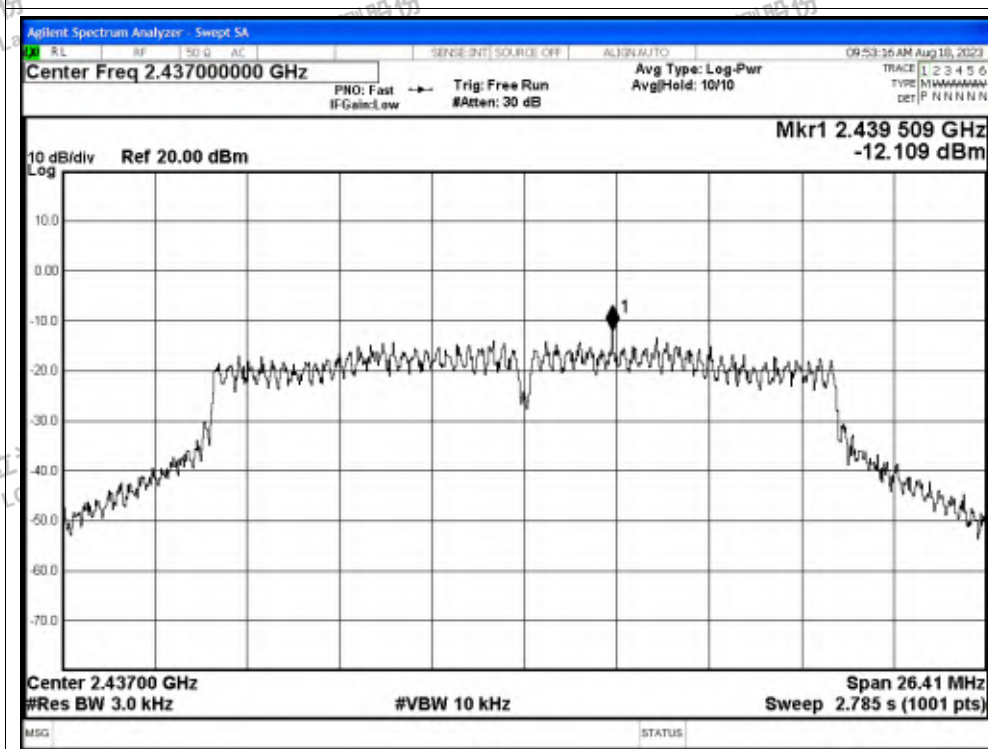




PSD NVNT n20 2412MHz Ant0

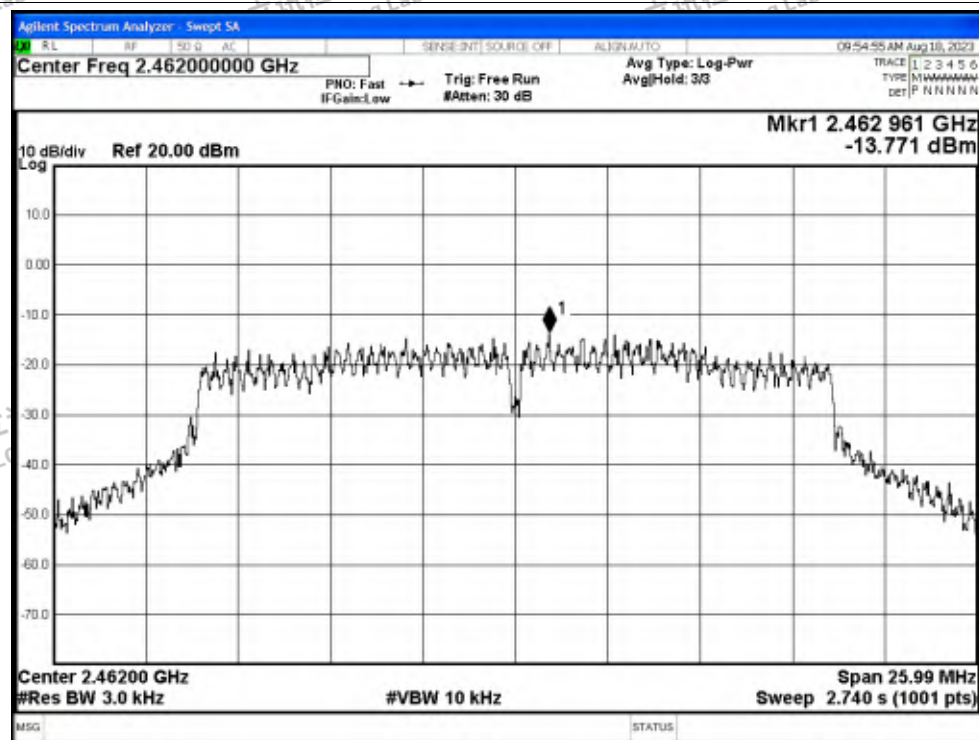


PSD NVNT n20 2437MHz Ant0

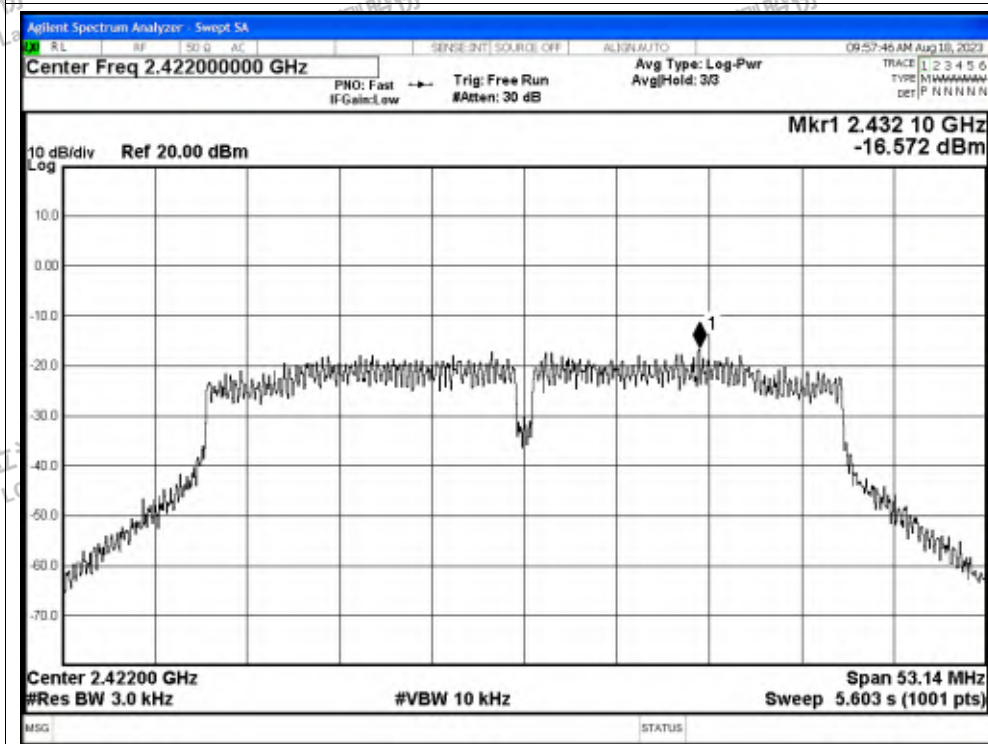




PSD NVNT n20 2462MHz Ant0

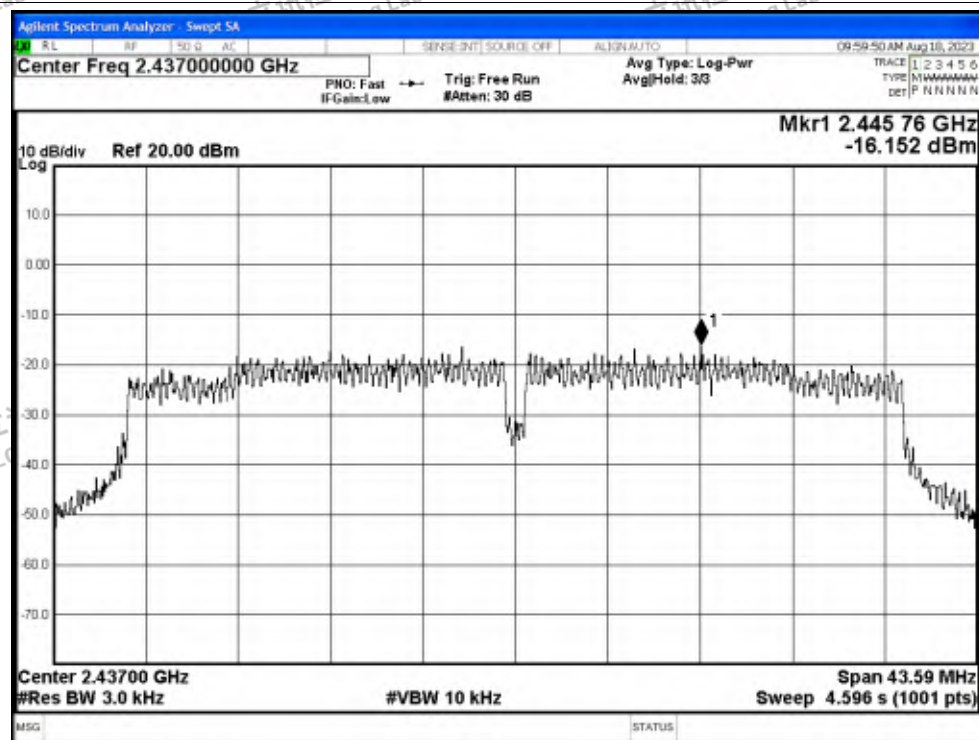


PSD NVNT n40 2422MHz Ant0

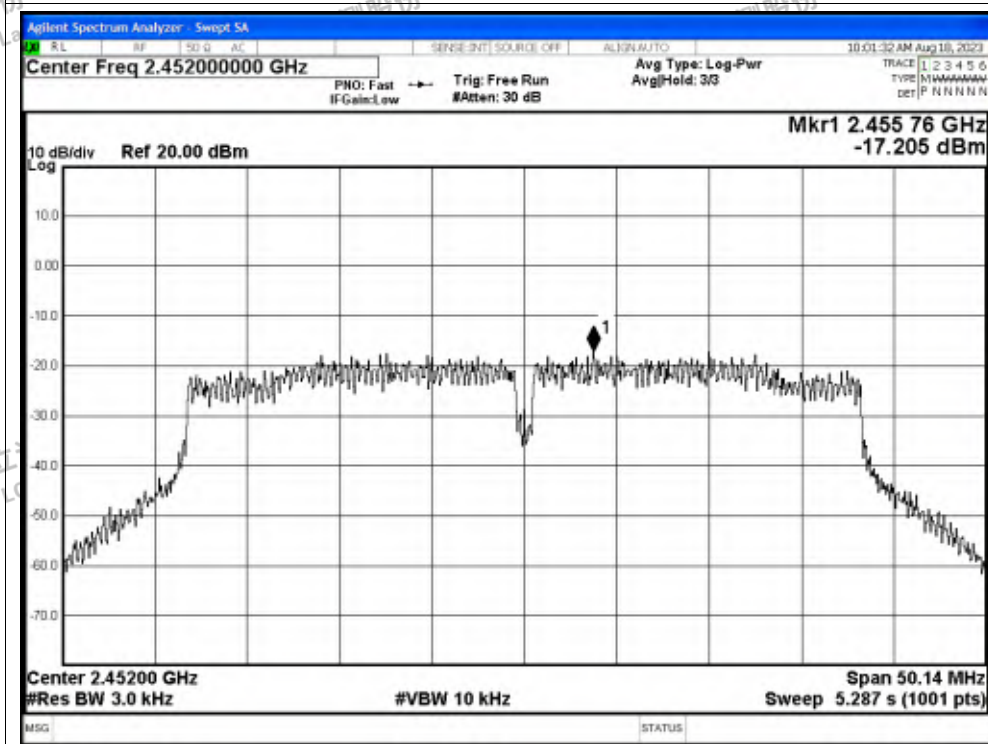




PSD NVNT n40 2437MHz Ant0



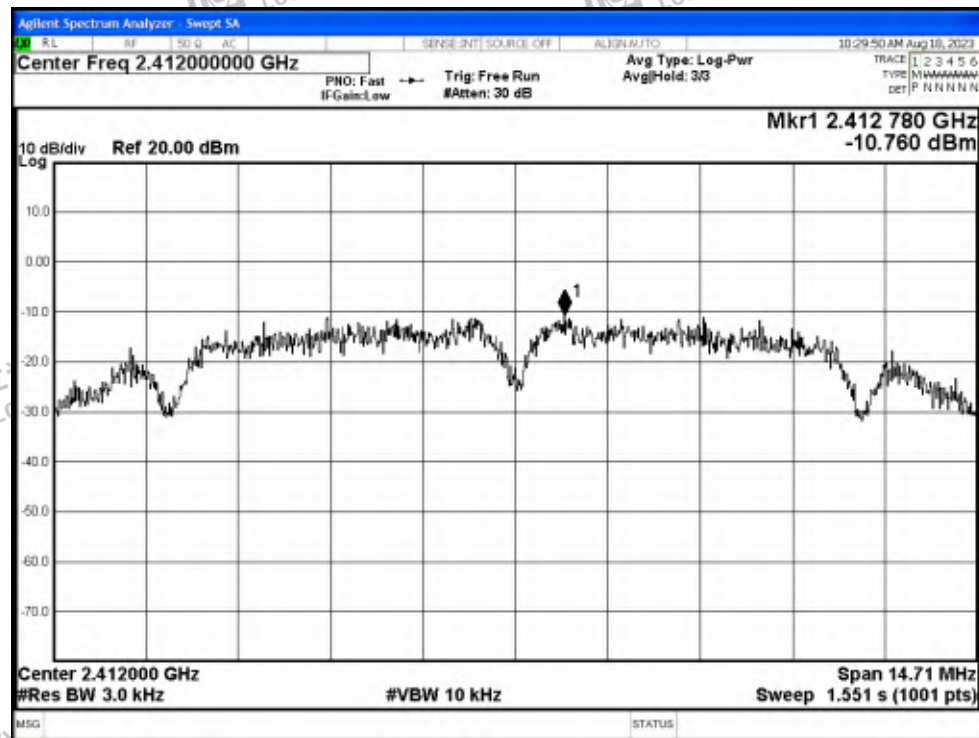
PSD NVNT n40 2452MHz Ant0



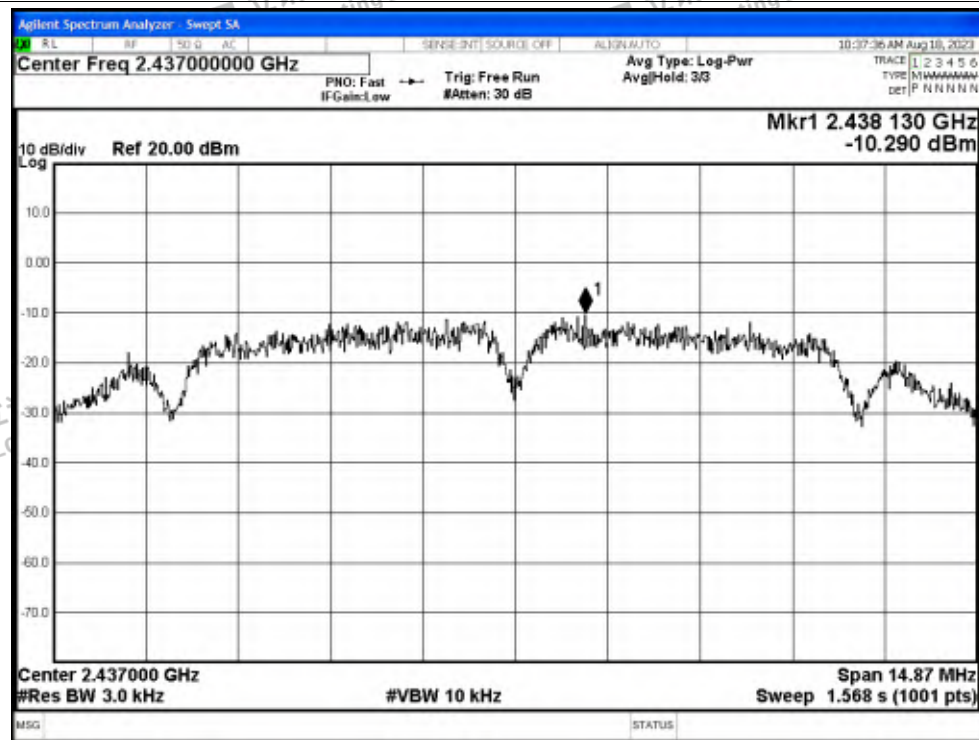


Test Graphs

PSD NVNT b 2412MHz Ant1

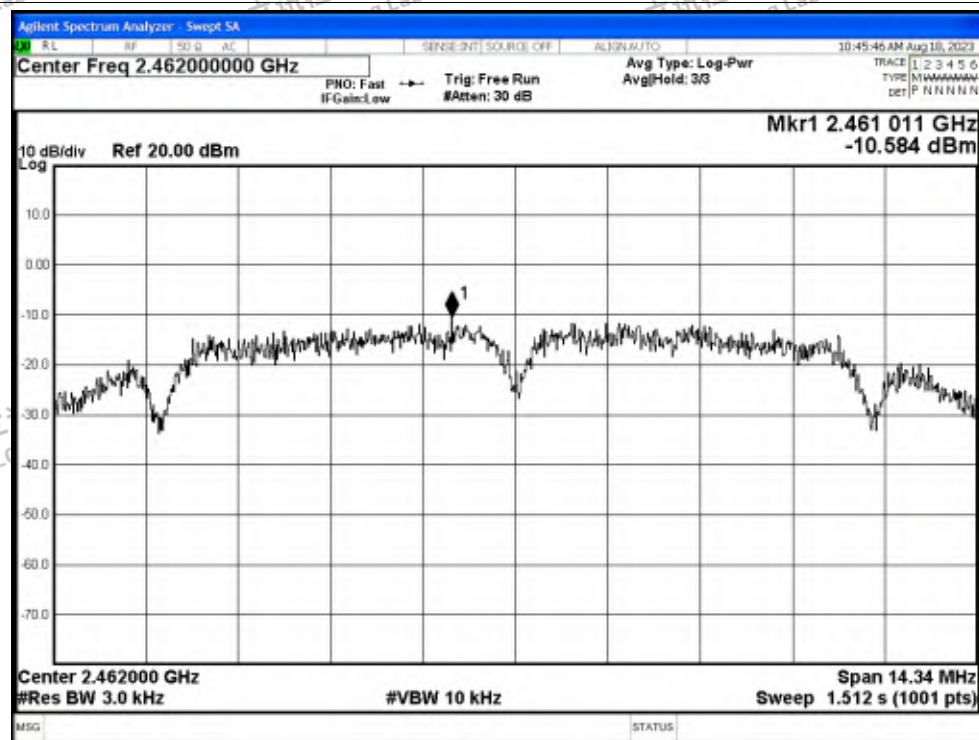


PSD NVNT b 2437MHz Ant1

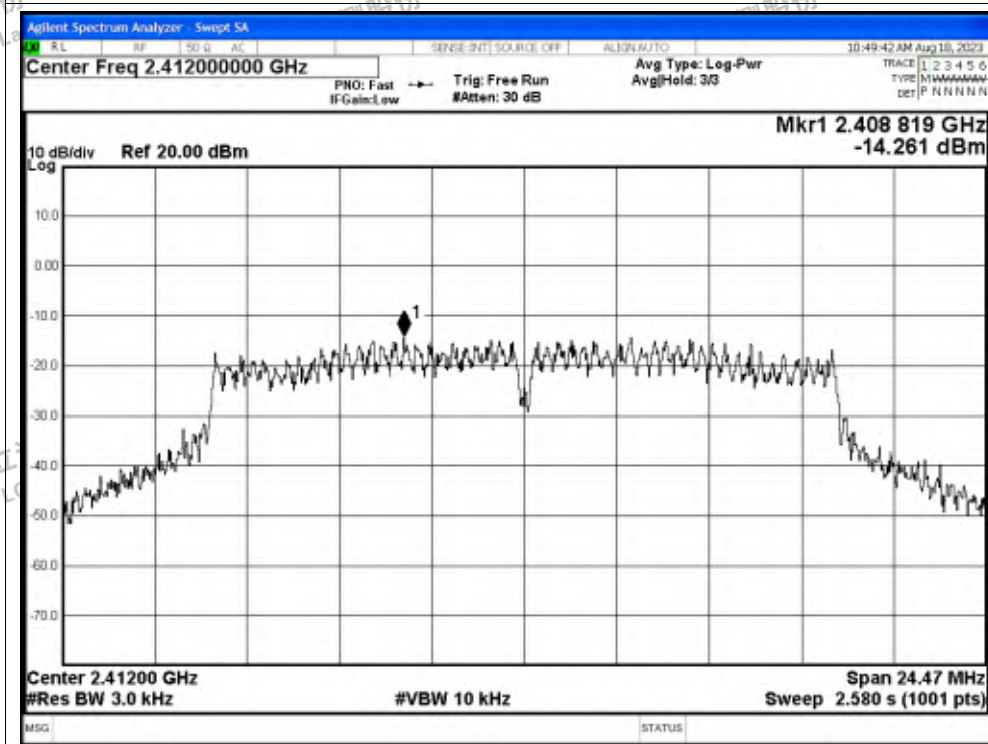




PSD NVNT b 2462MHz Ant1

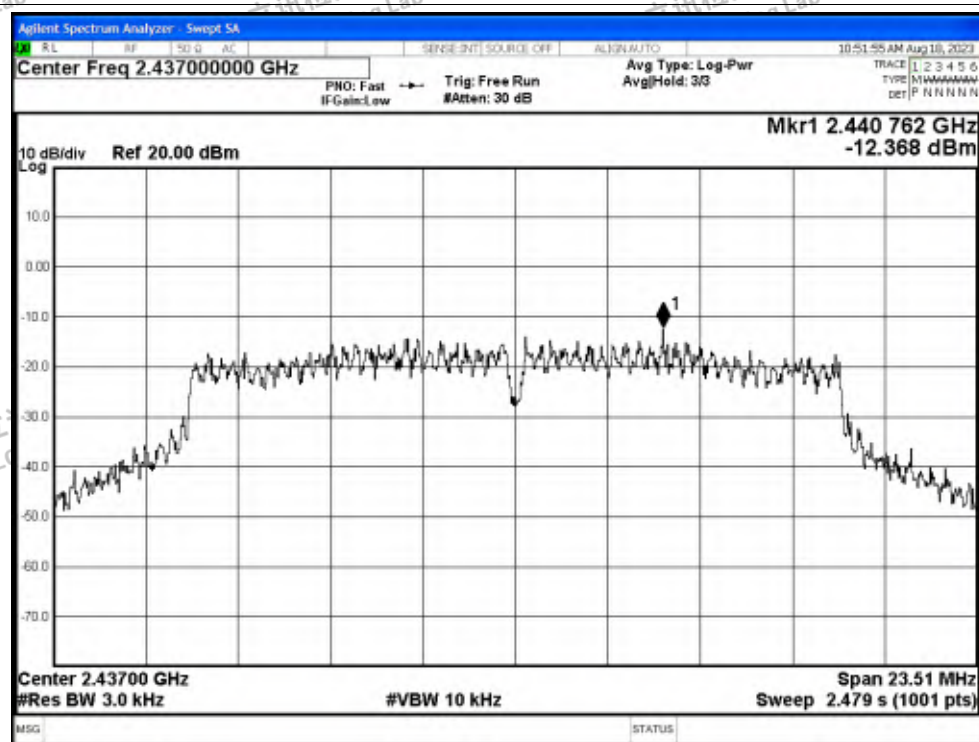


PSD NVNT g 2412MHz Ant1

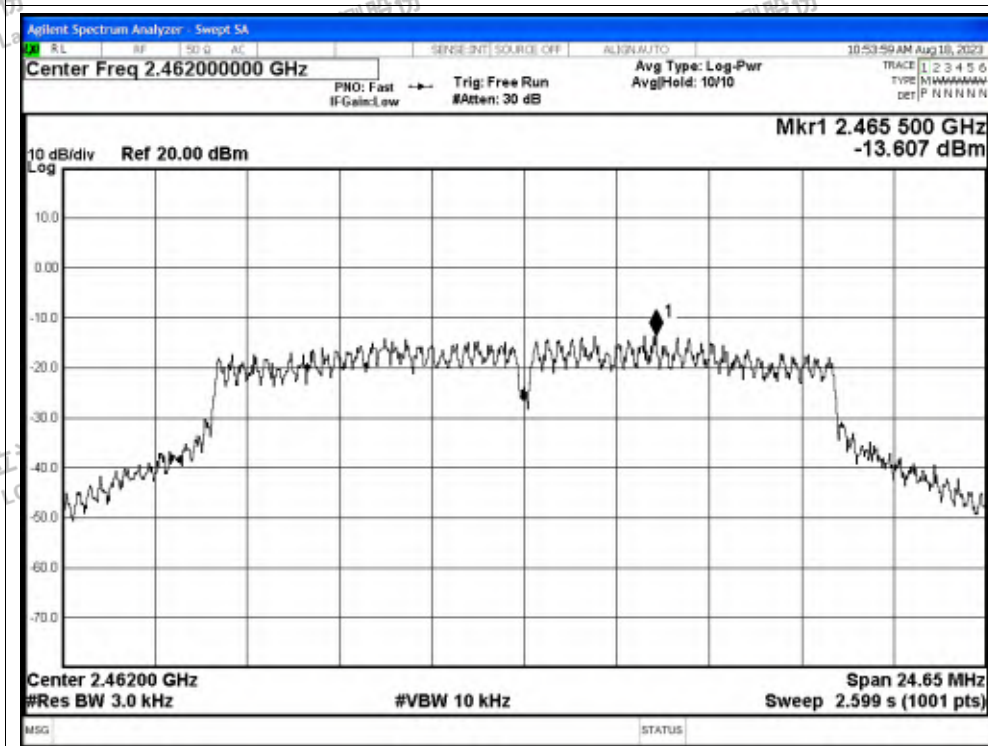




PSD NVNT g 2437MHz Ant1

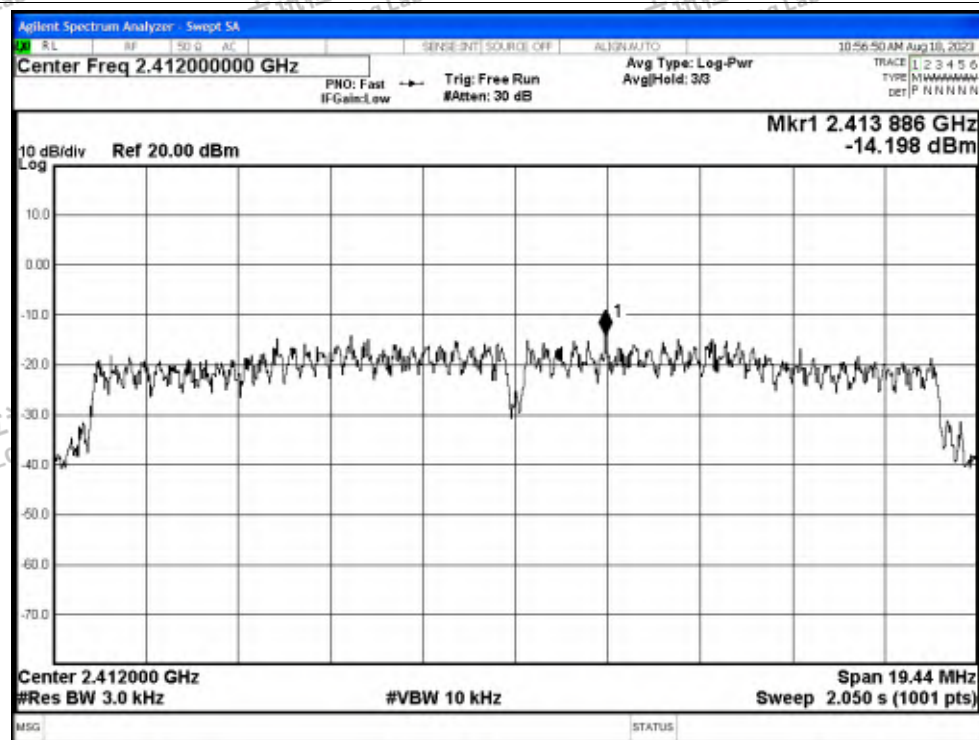


PSD NVNT g 2462MHz Ant1

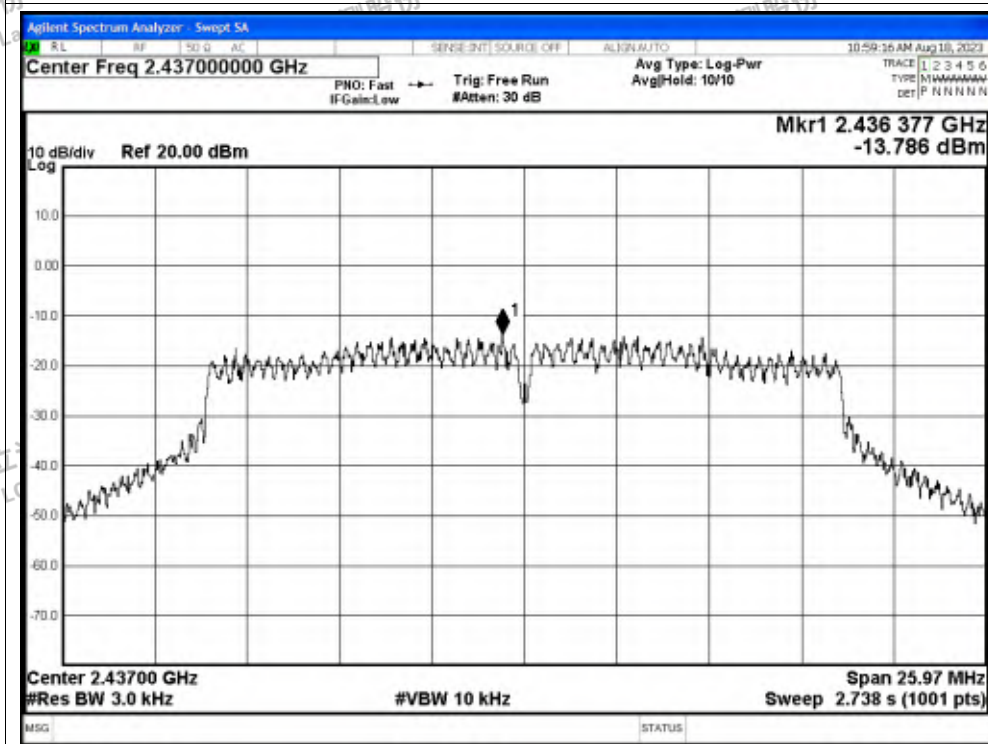




PSD NVNT n20 2412MHz Ant1

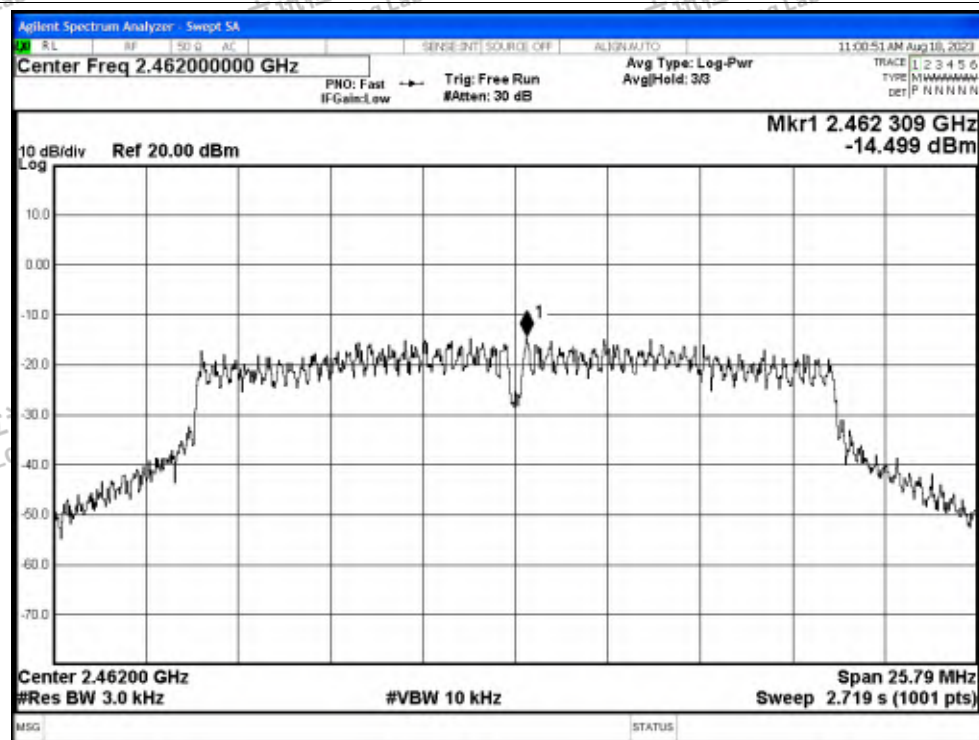


PSD NVNT n20 2437MHz Ant1

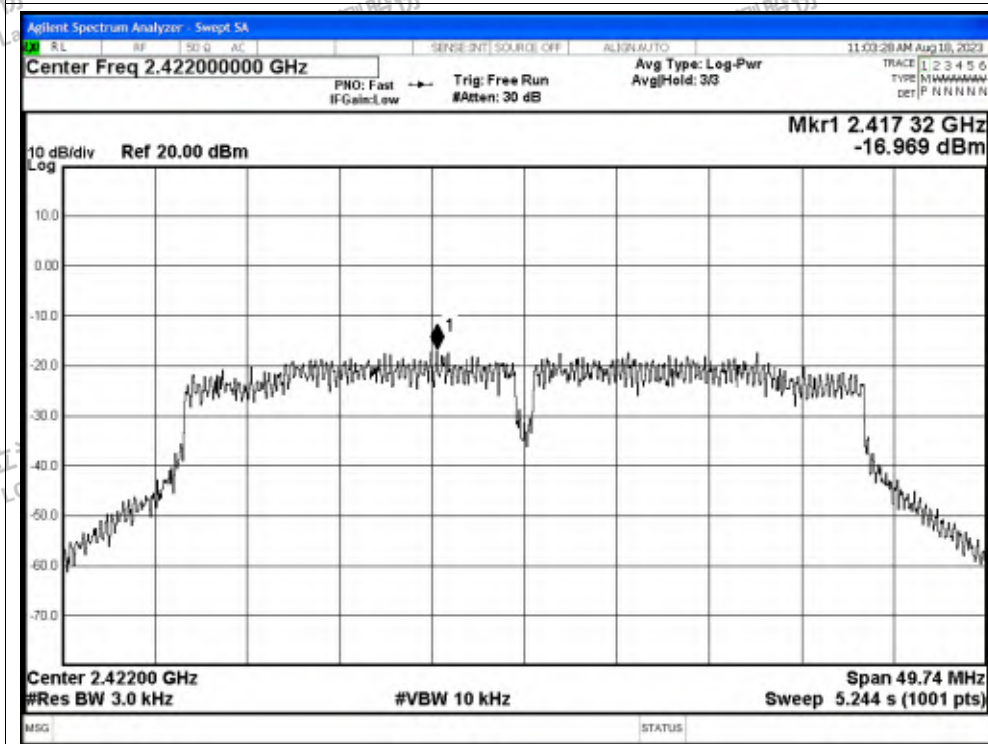




PSD NVNT n20 2462MHz Ant1

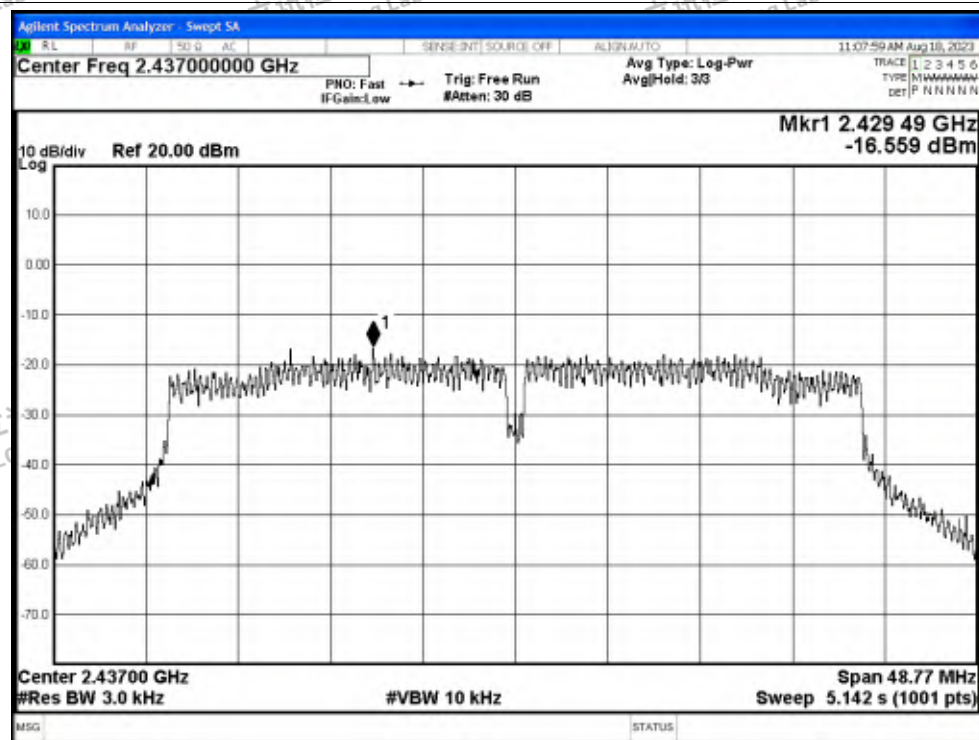


PSD NVNT n40 2422MHz Ant1

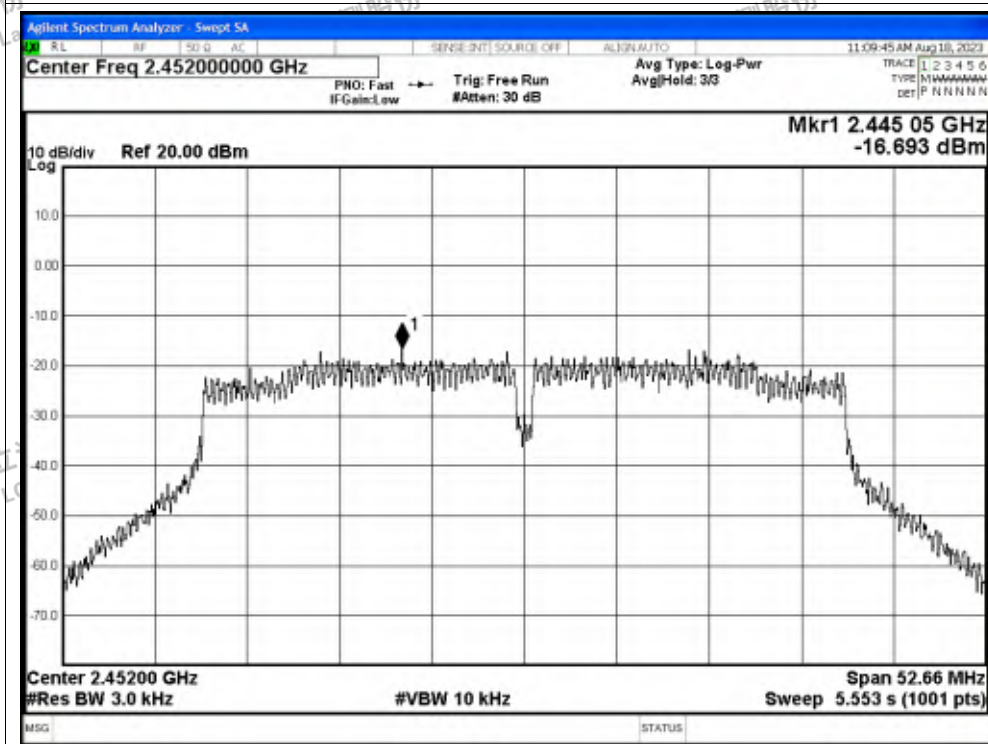




PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1





C.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant0	-56.86	-20	Pass
NVNT	b	2462	Ant0	-61.37	-20	Pass
NVNT	g	2412	Ant0	-33.23	-20	Pass
NVNT	g	2462	Ant0	-56.72	-20	Pass
NVNT	n20	2412	Ant0	-31.64	-20	Pass
NVNT	n20	2462	Ant0	-58.22	-20	Pass
NVNT	n40	2422	Ant0	-33.98	-20	Pass
NVNT	n40	2452	Ant0	-53.08	-20	Pass

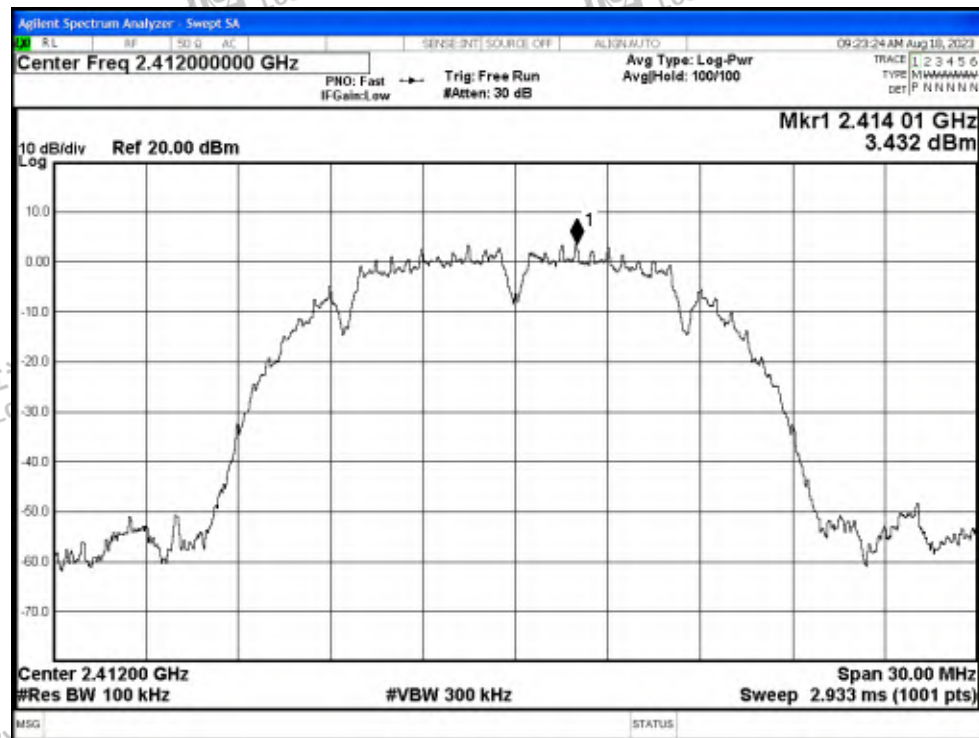


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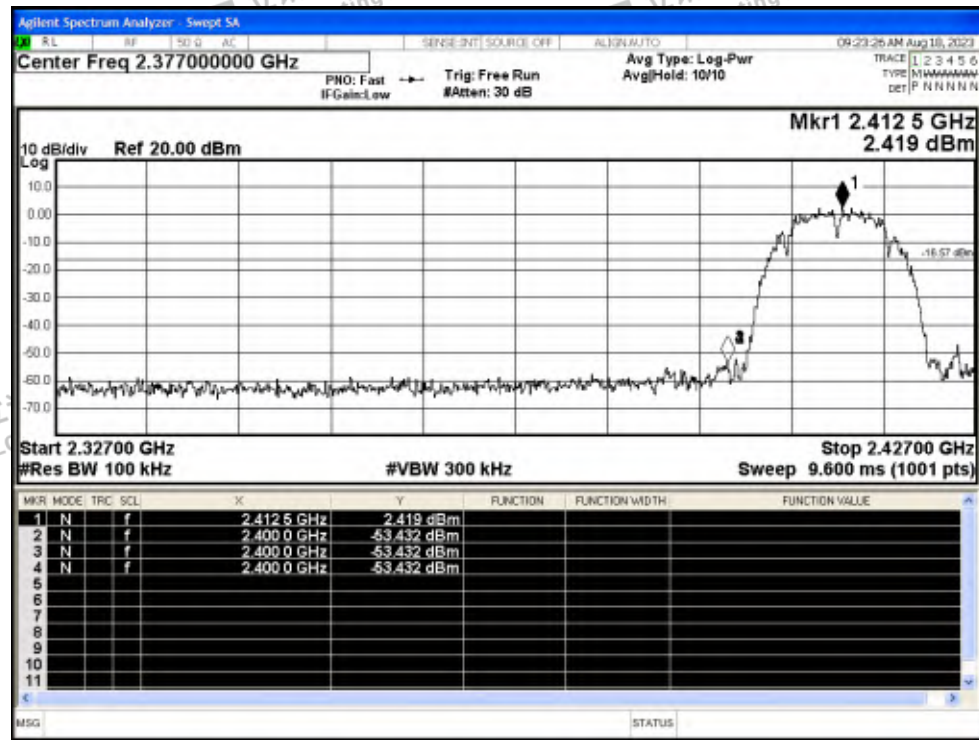


Test Graphs

Band Edge NVNT b 2412MHz Ant0 Ref

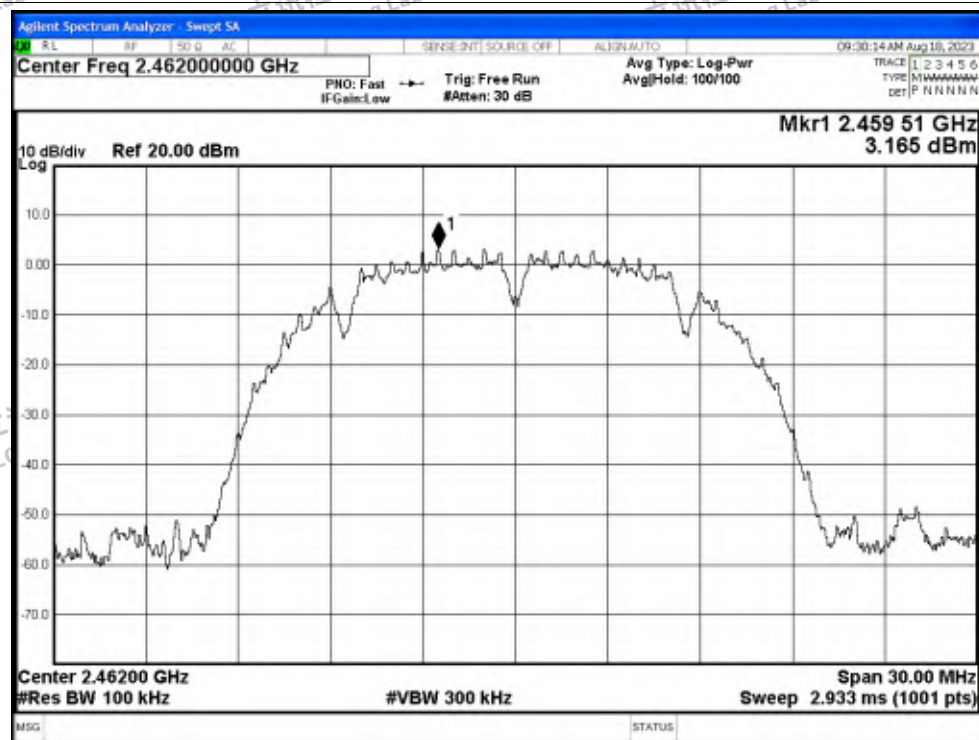


Band Edge NVNT b 2412MHz Ant0 Emission

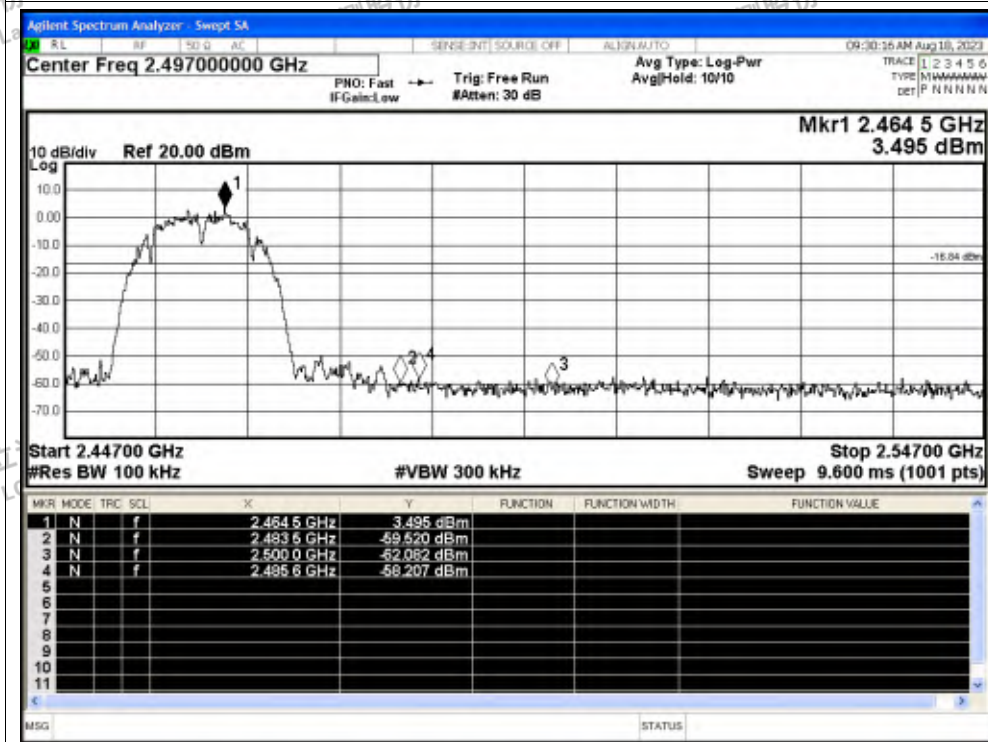




Band Edge NVNT b 2462MHz Ant0 Ref

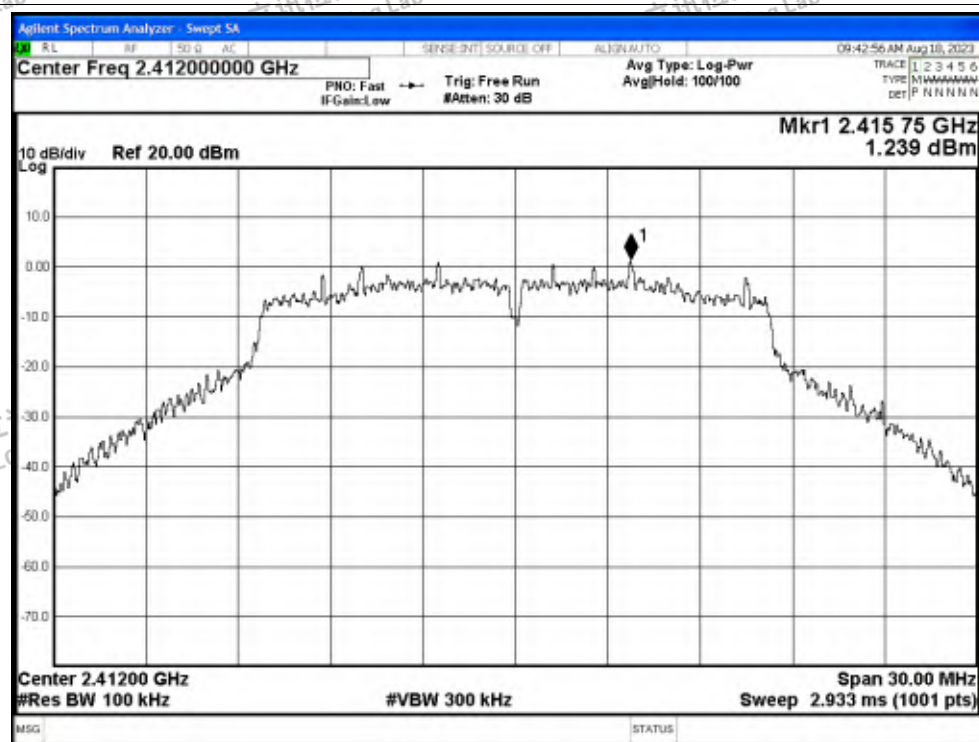


Band Edge NVNT b 2462MHz Ant0 Emission

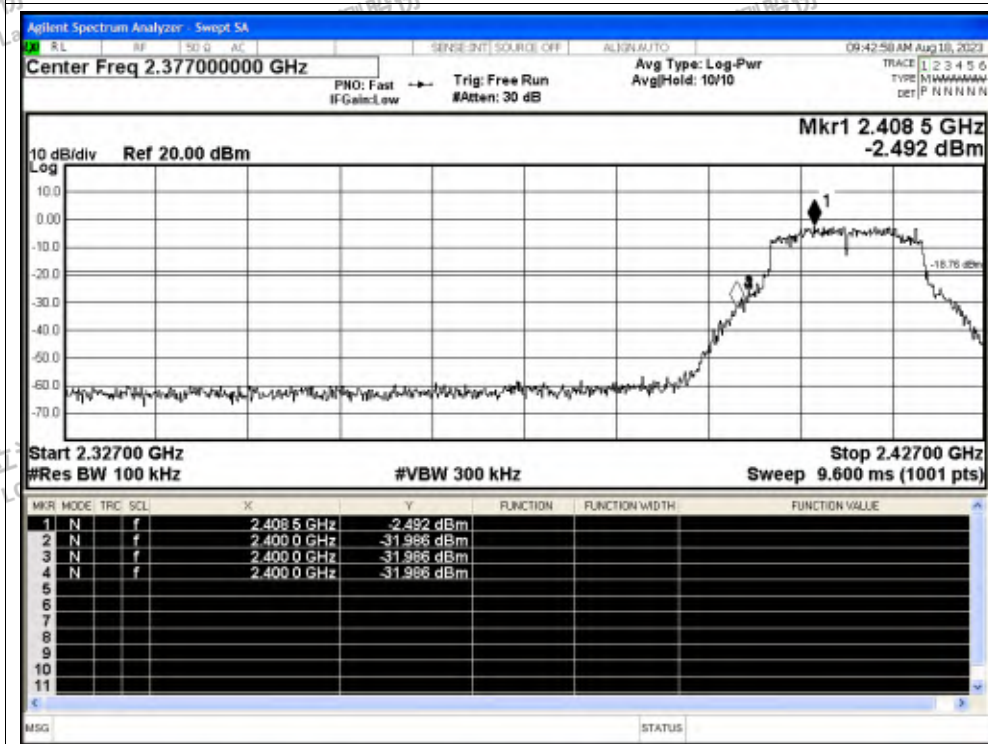




Band Edge NVNT g 2412MHz Ant0 Ref



Band Edge NVNT g 2412MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

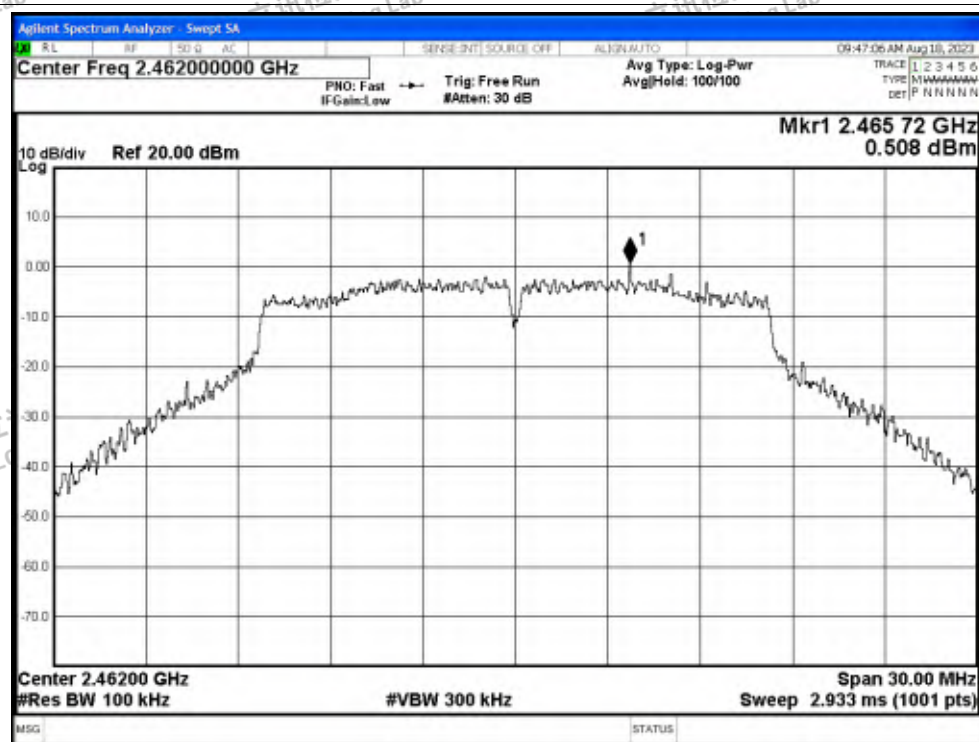
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

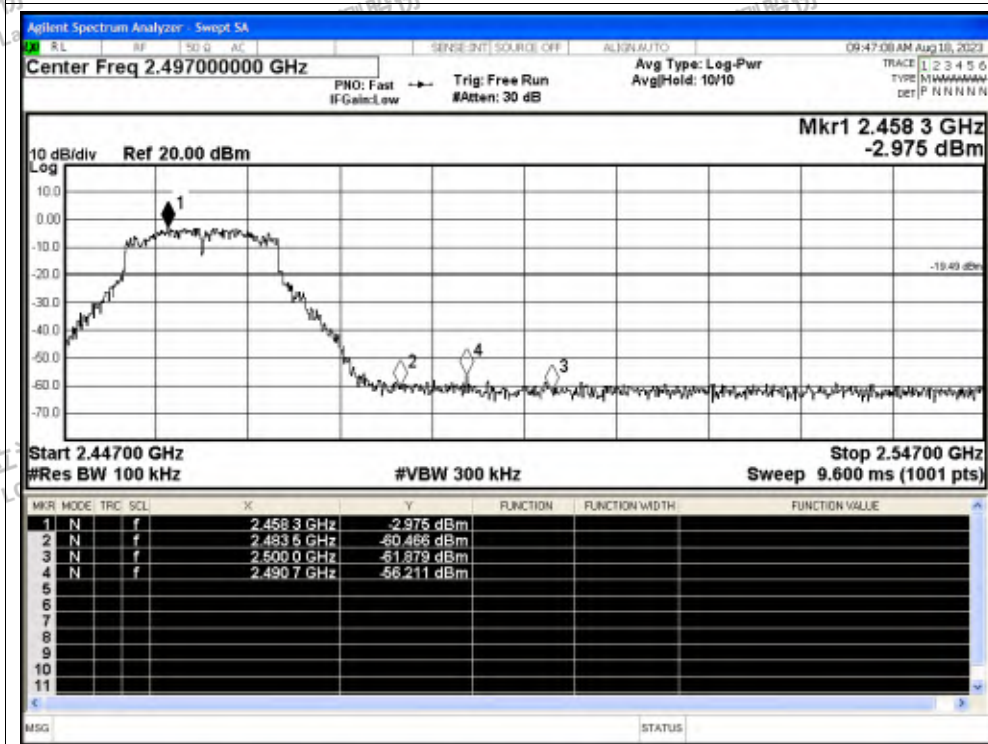
Scan code to check authenticity



Band Edge NVNT g 2462MHz Ant0 Ref



Band Edge NVNT g 2462MHz Ant0 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

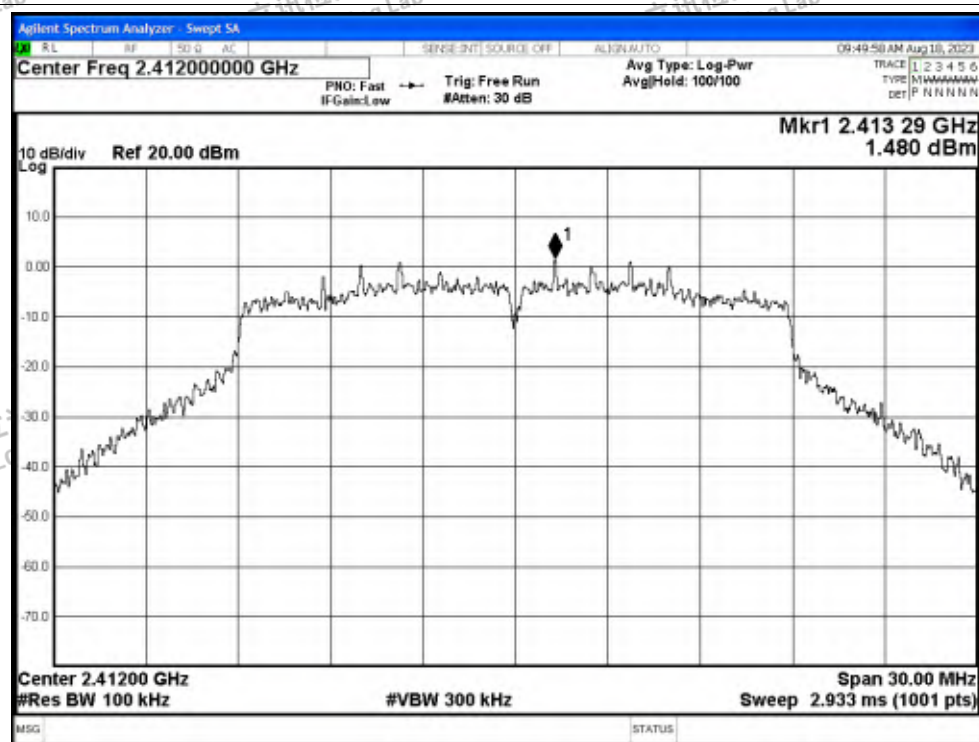
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

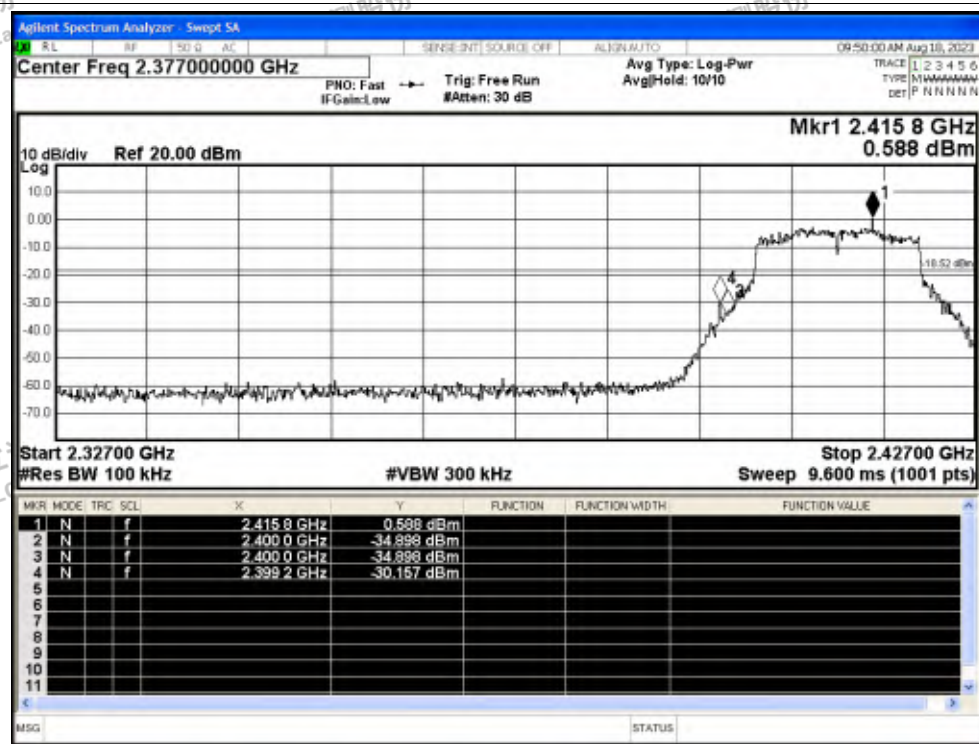
Scan code to check authenticity



Band Edge NVNT n20 2412MHz Ant0 Ref

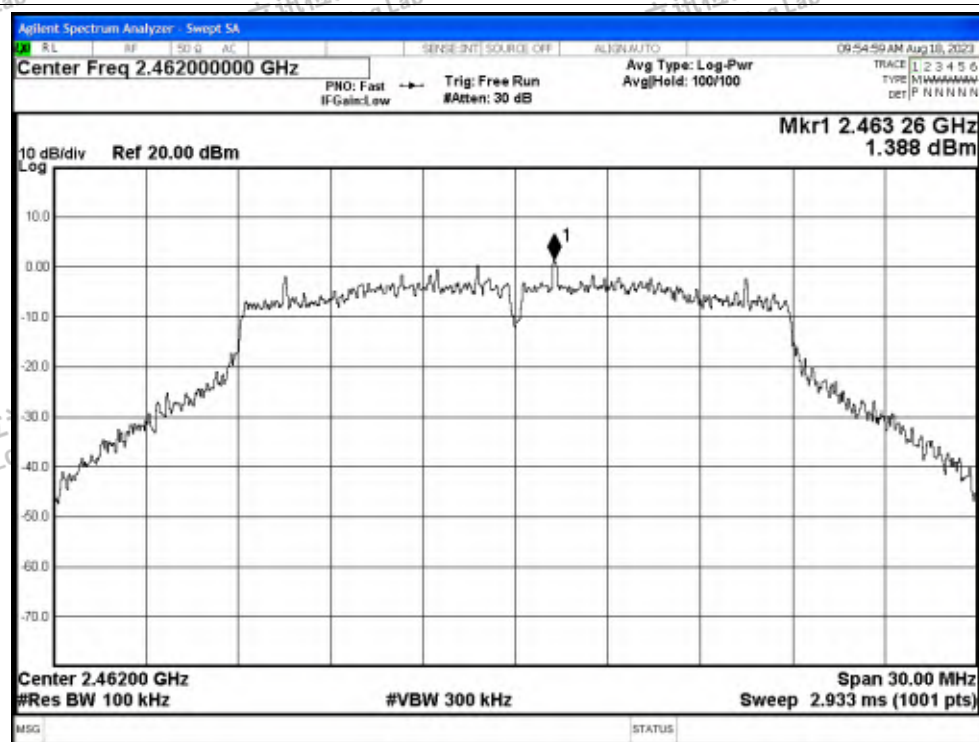


Band Edge NVNT n20 2412MHz Ant0 Emission

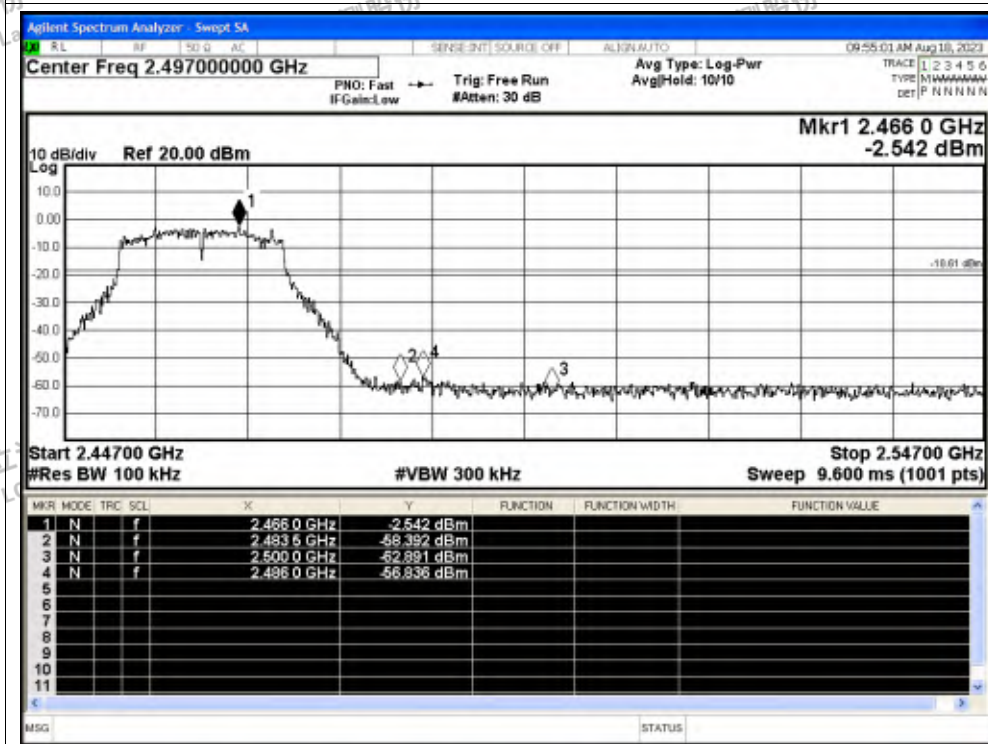




Band Edge NVNT n20 2462MHz Ant0 Ref

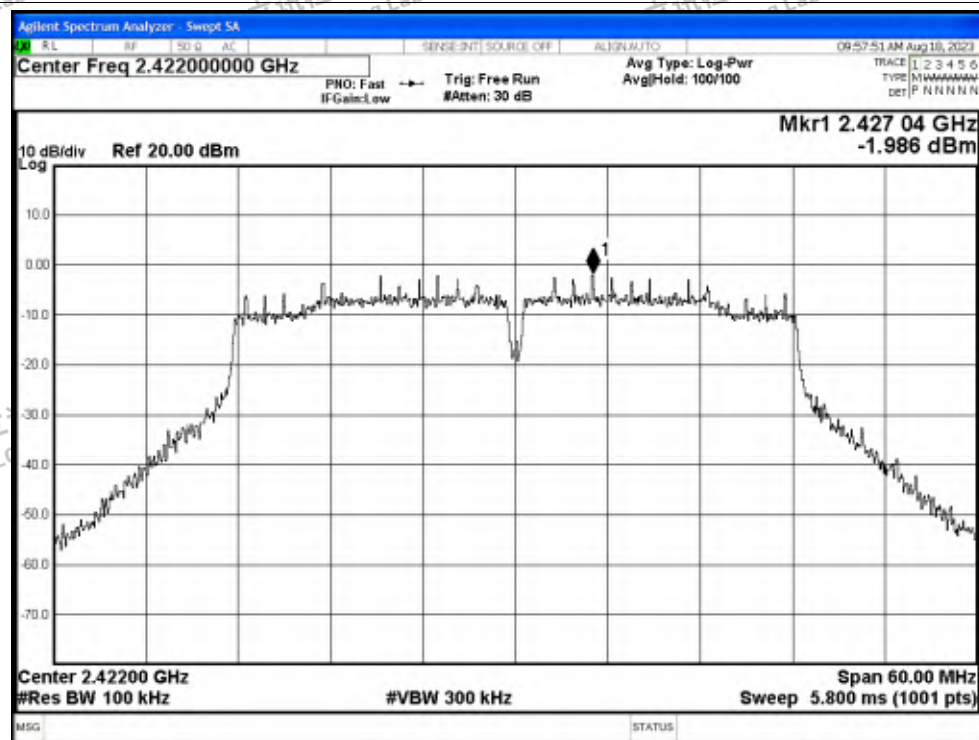


Band Edge NVNT n20 2462MHz Ant0 Emission

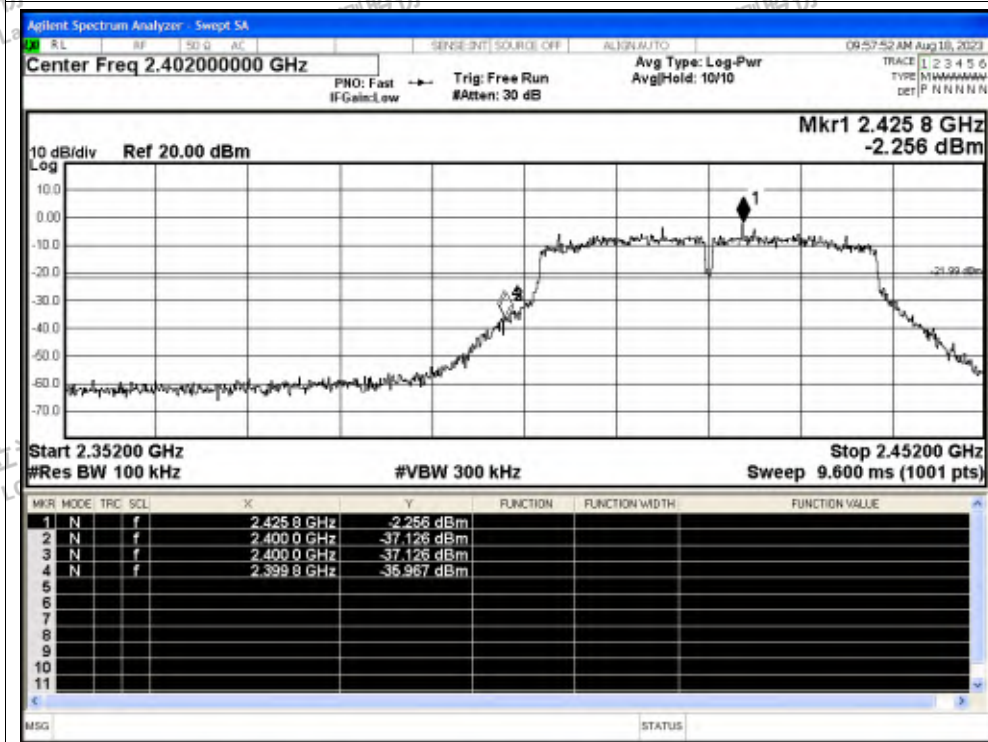




Band Edge NVNT n40 2422MHz Ant0 Ref

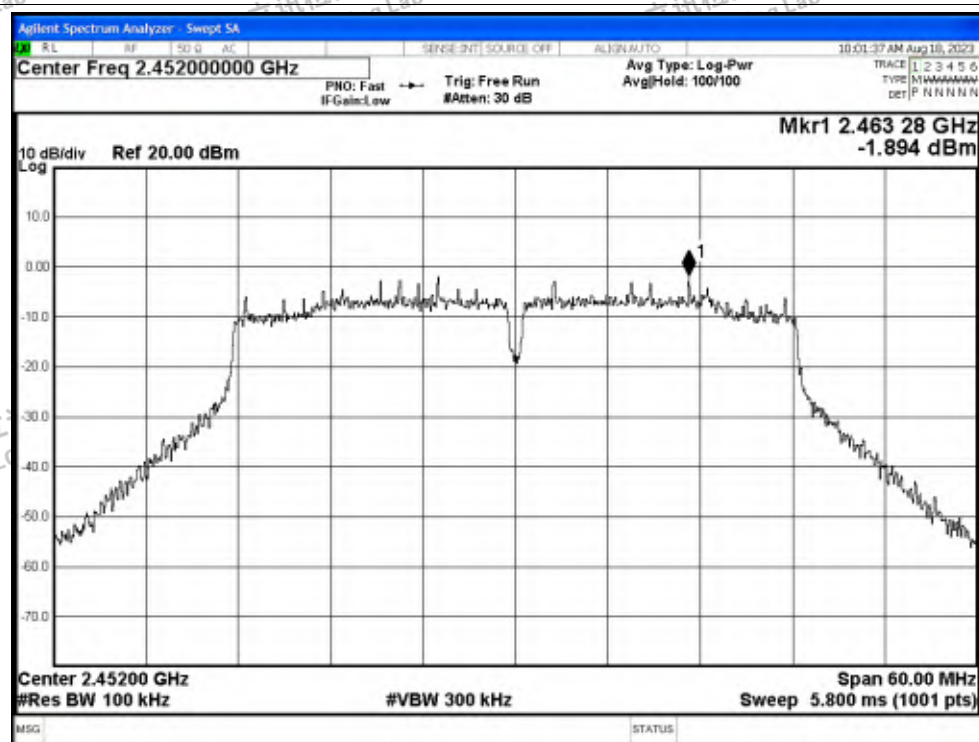


Band Edge NVNT n40 2422MHz Ant0 Emission

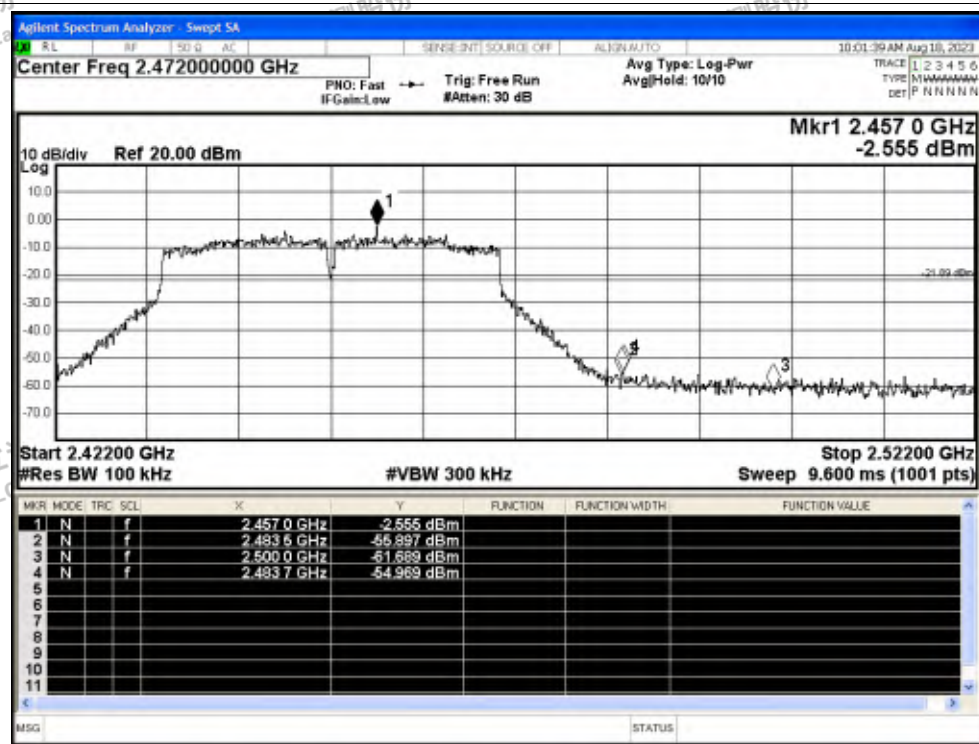




Band Edge NVNT n40 2452MHz Ant0 Ref



Band Edge NVNT n40 2452MHz Ant0 Emission



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Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-55.6	-20	Pass
NVNT	b	2462	Ant1	-59.53	-20	Pass
NVNT	g	2412	Ant1	-33.92	-20	Pass
NVNT	g	2462	Ant1	-58.89	-20	Pass
NVNT	n20	2412	Ant1	-31.33	-20	Pass
NVNT	n20	2462	Ant1	-57.47	-20	Pass
NVNT	n40	2422	Ant1	-33.76	-20	Pass
NVNT	n40	2452	Ant1	-53.59	-20	Pass

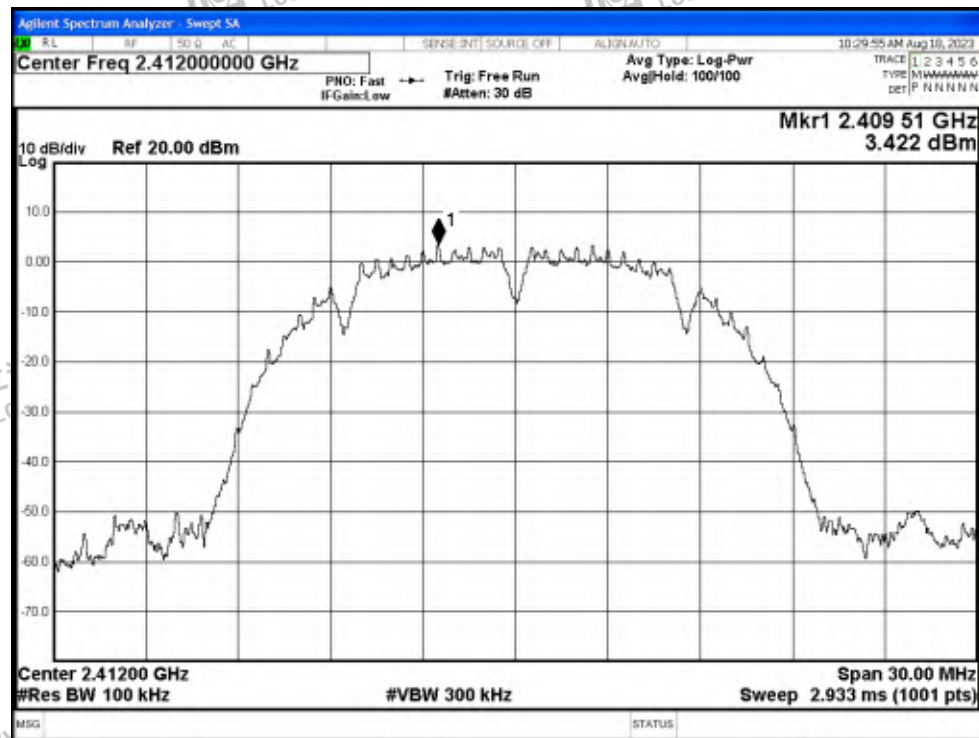


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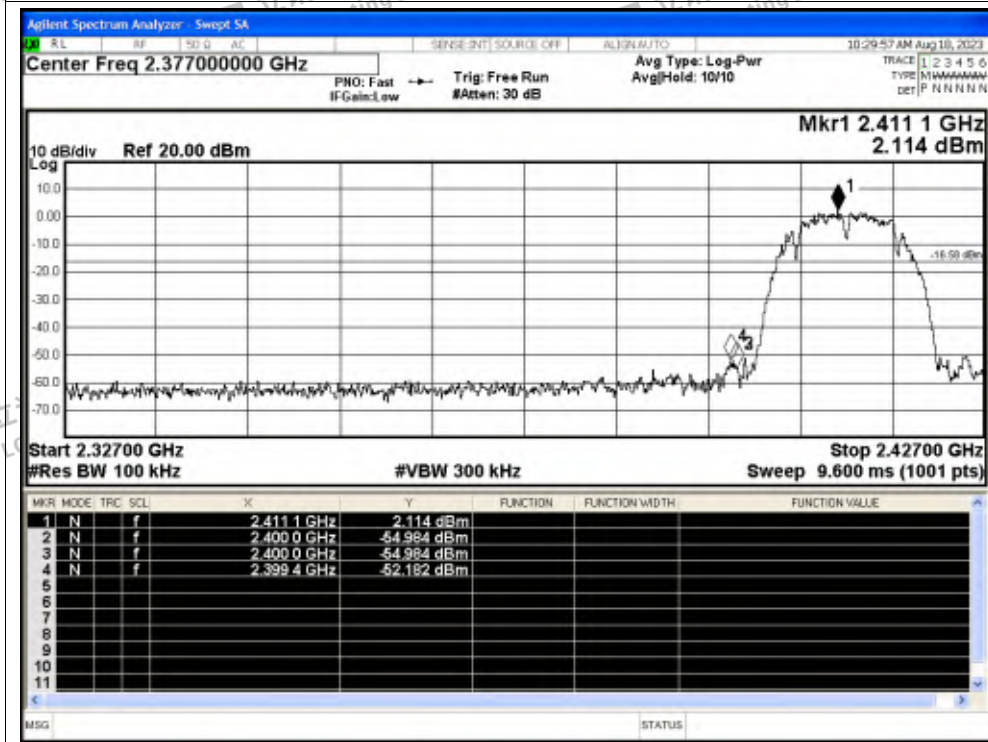


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

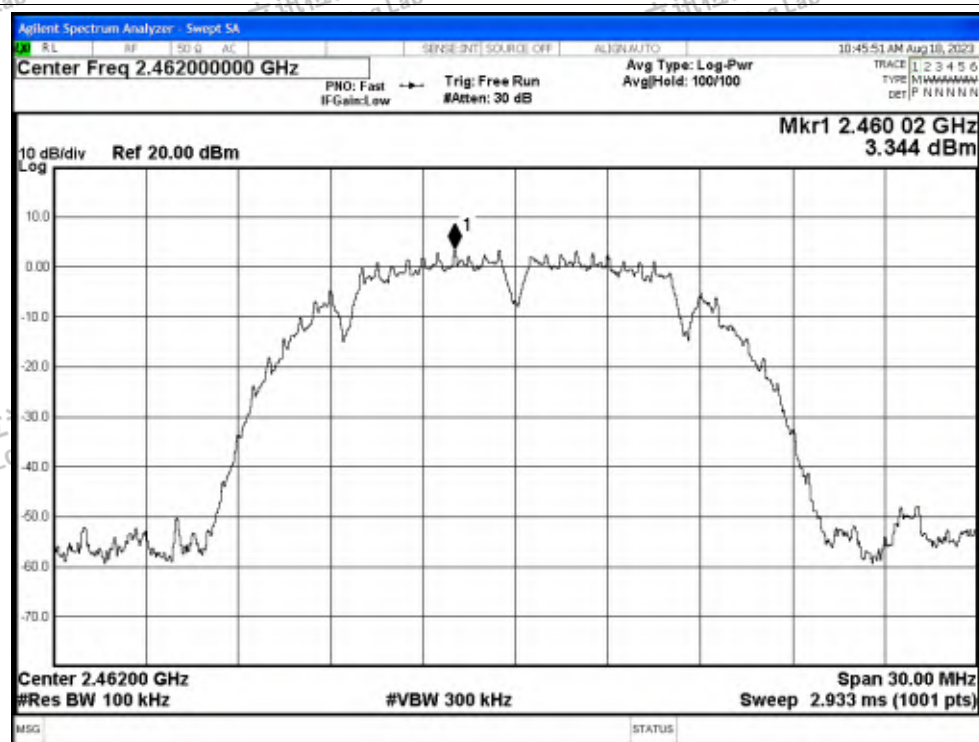


Band Edge NVNT b 2412MHz Ant1 Emission

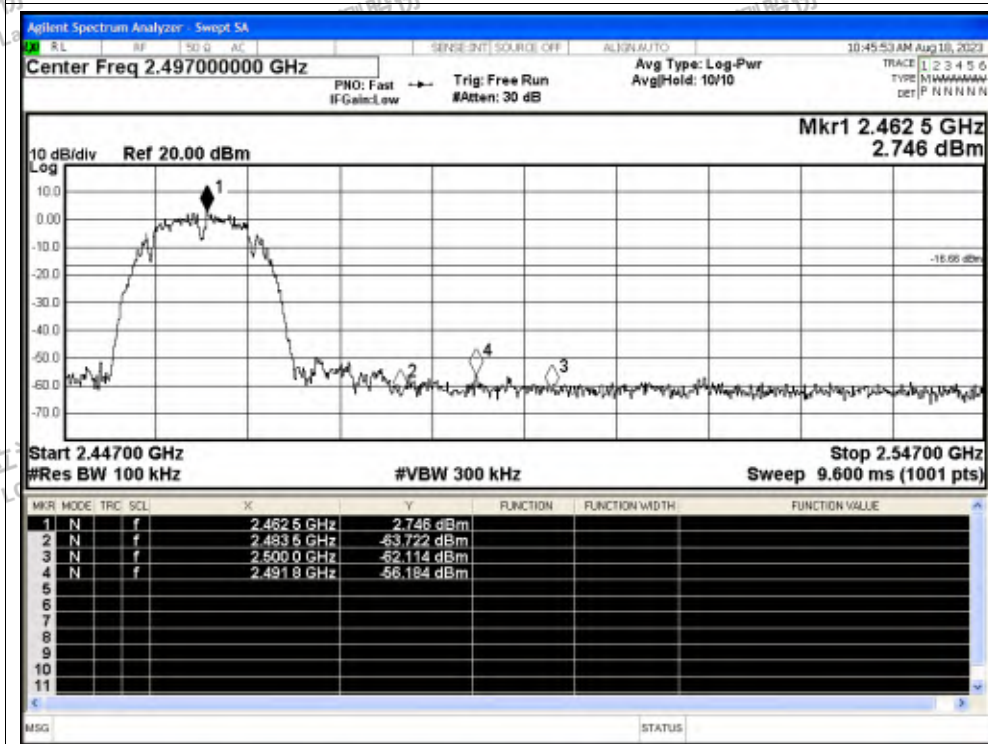




Band Edge NVNT b 2462MHz Ant1 Ref

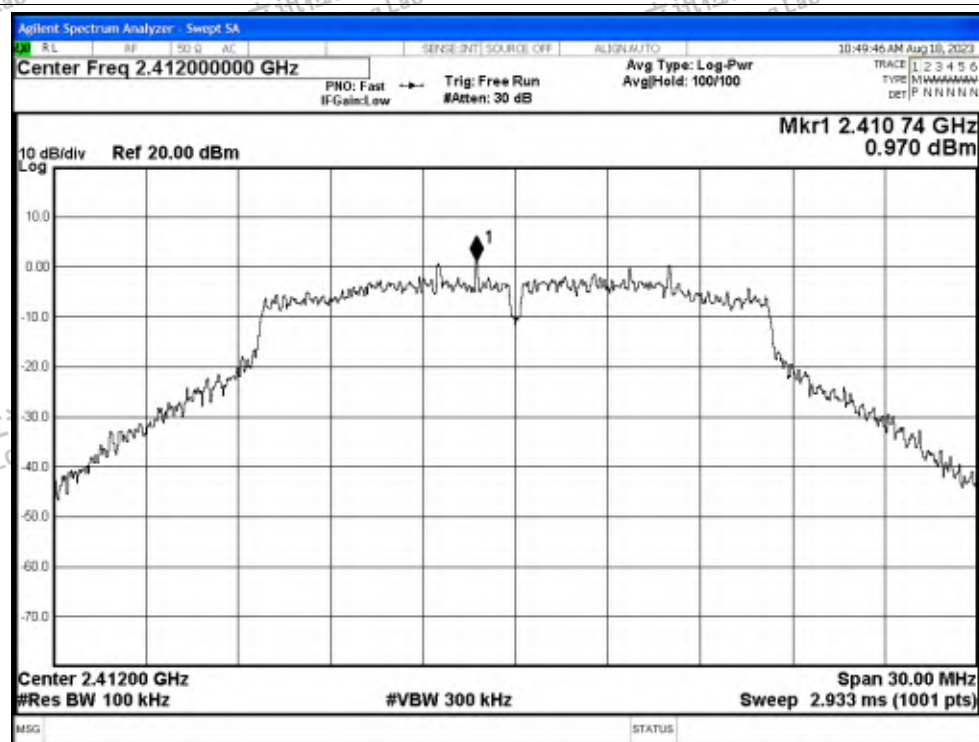


Band Edge NVNT b 2462MHz Ant1 Emission

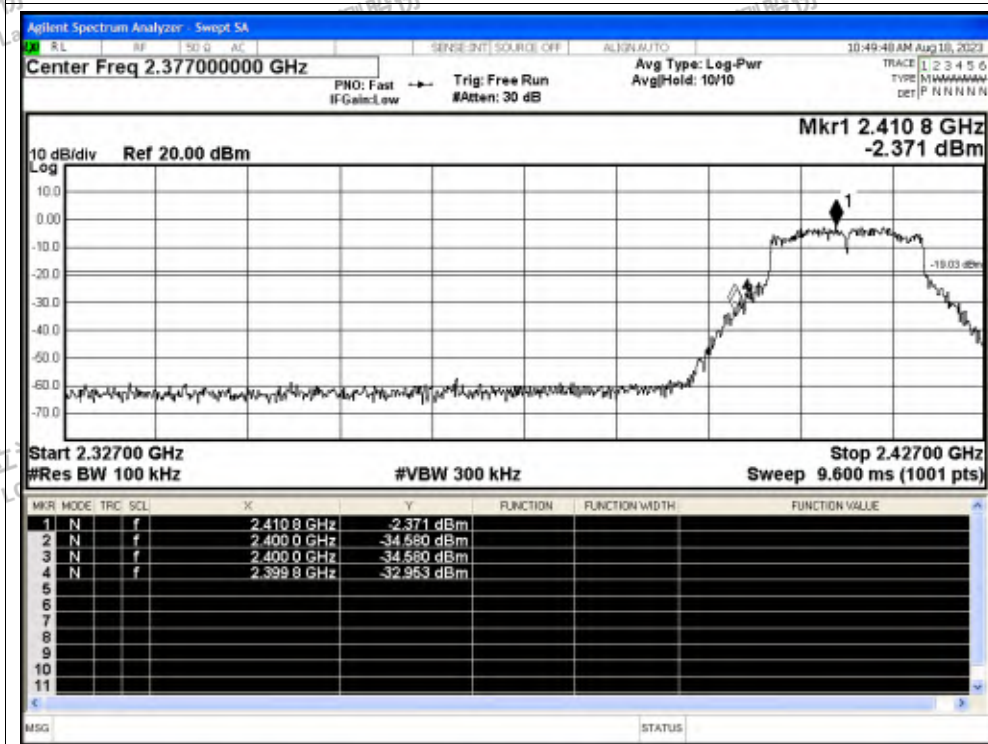




Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



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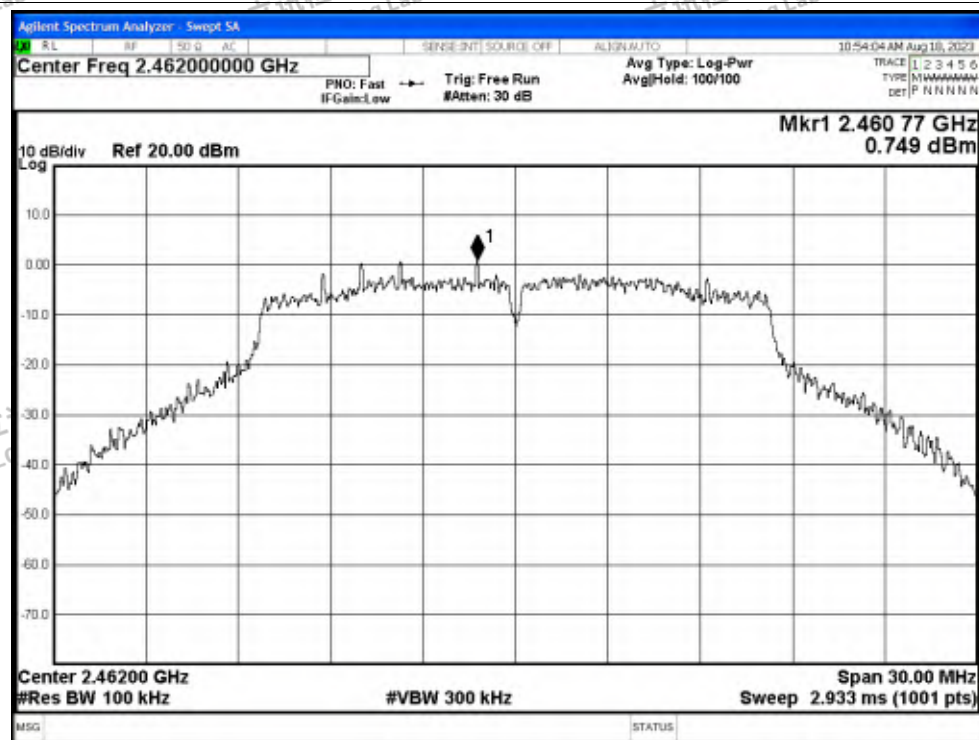
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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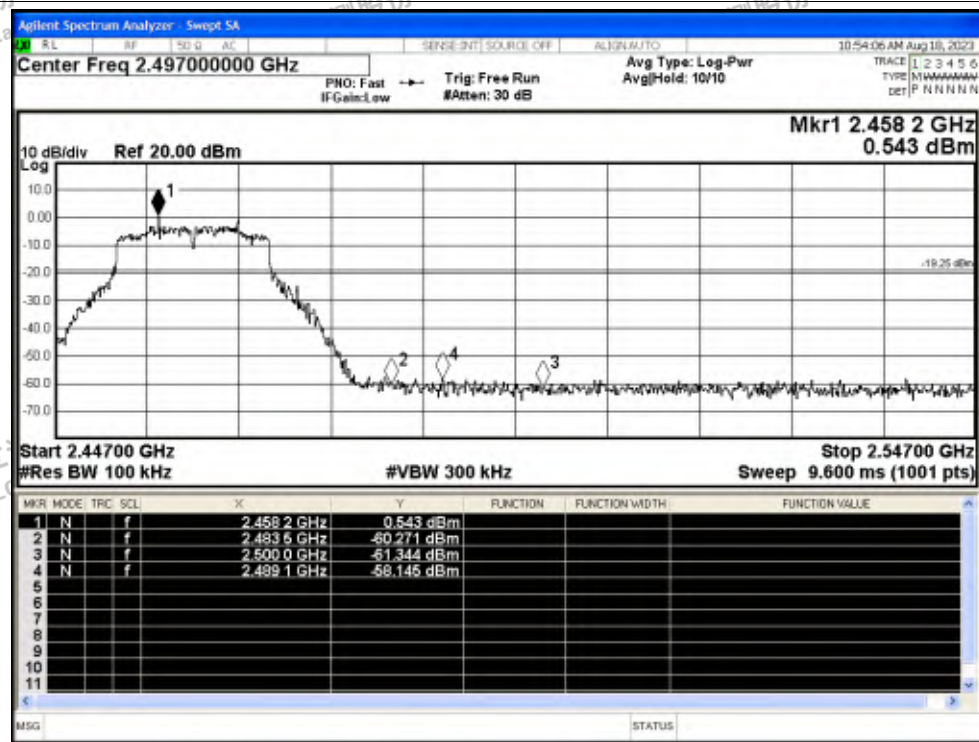
Scan code to check authenticity



Band Edge NVNT g 2462MHz Ant1 Ref

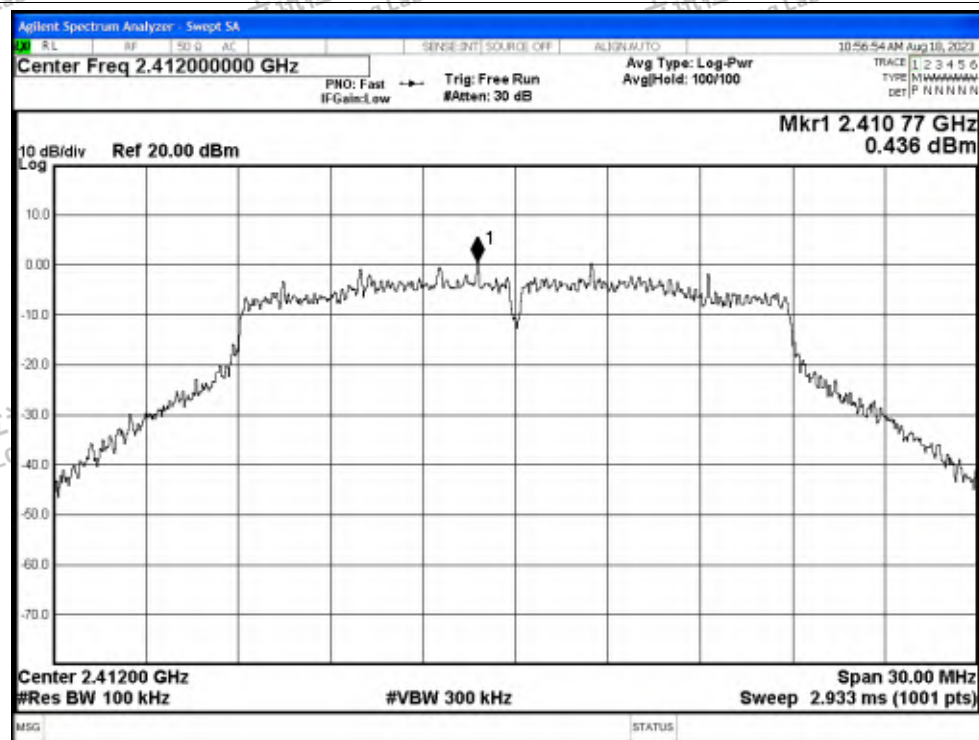


Band Edge NVNT g 2462MHz Ant1 Emission

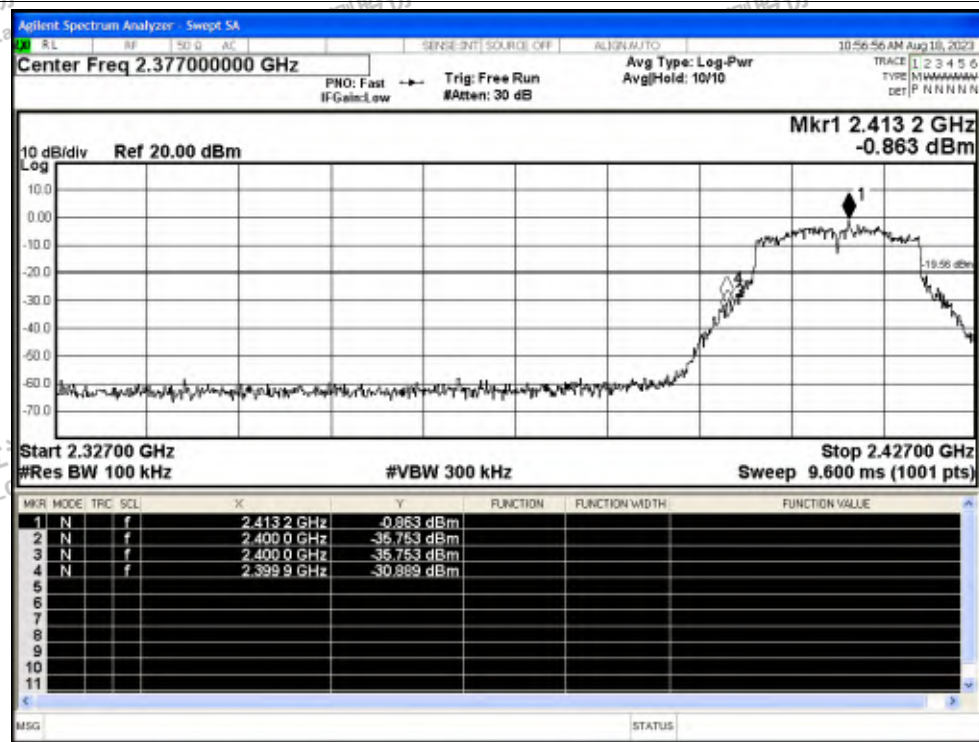




Band Edge NVNT n20 2412MHz Ant1 Ref

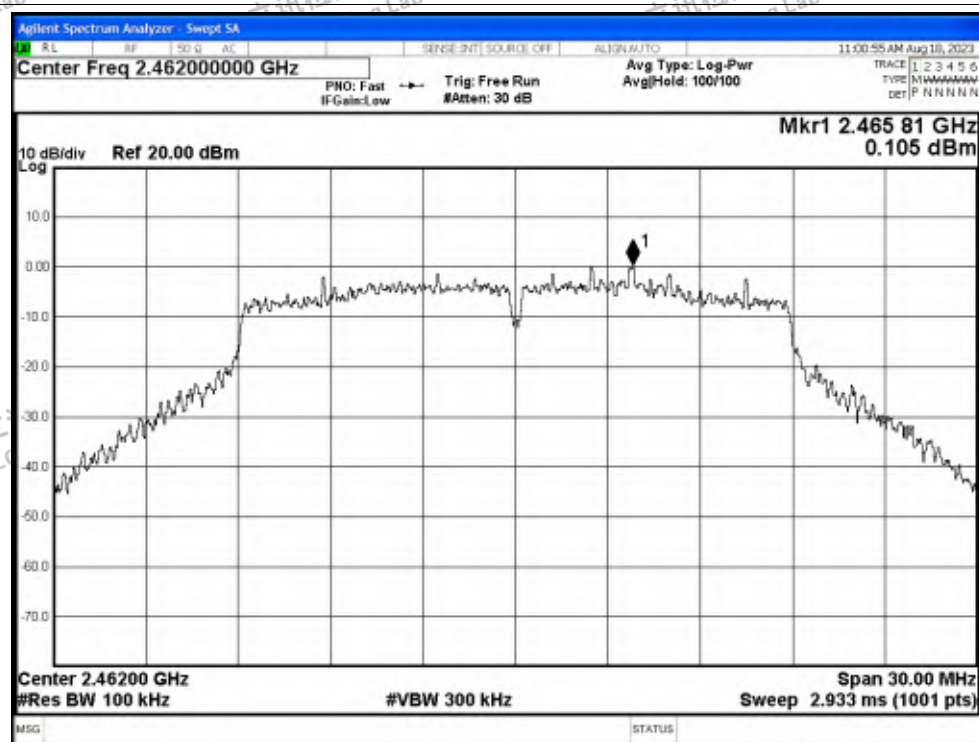


Band Edge NVNT n20 2412MHz Ant1 Emission

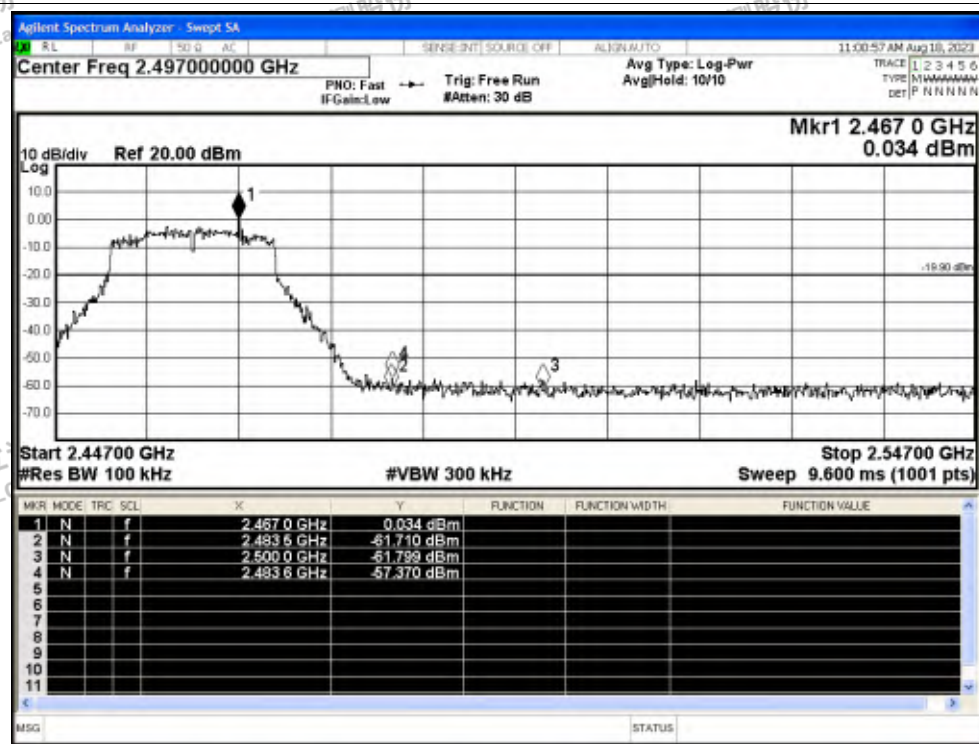


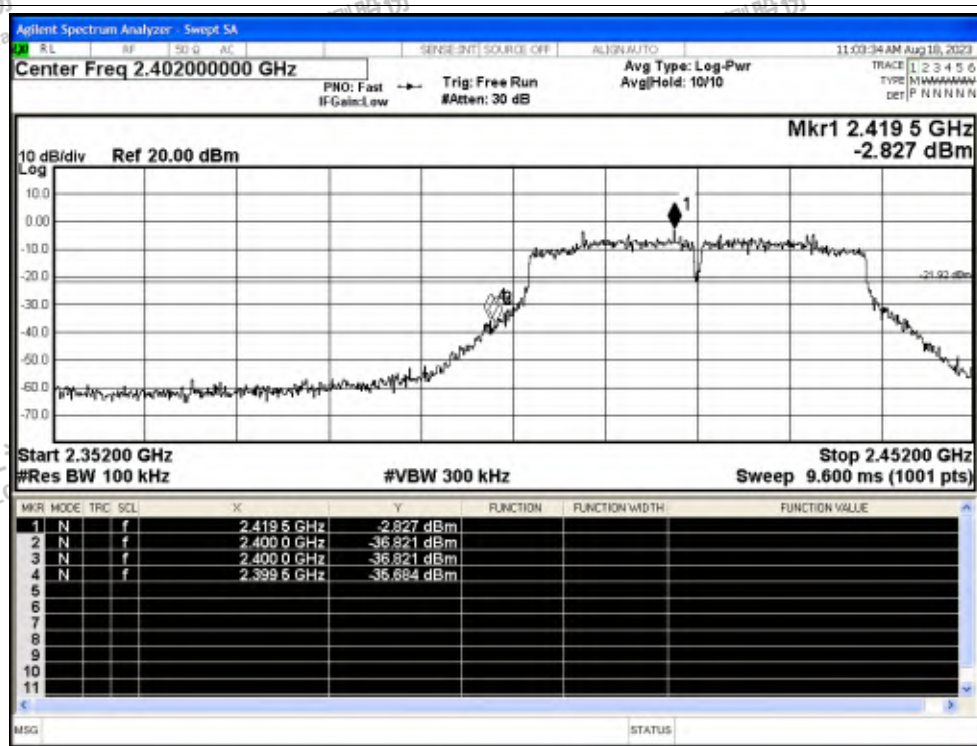
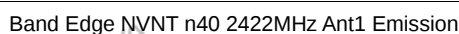


Band Edge NVNT n20 2462MHz Ant1 Ref

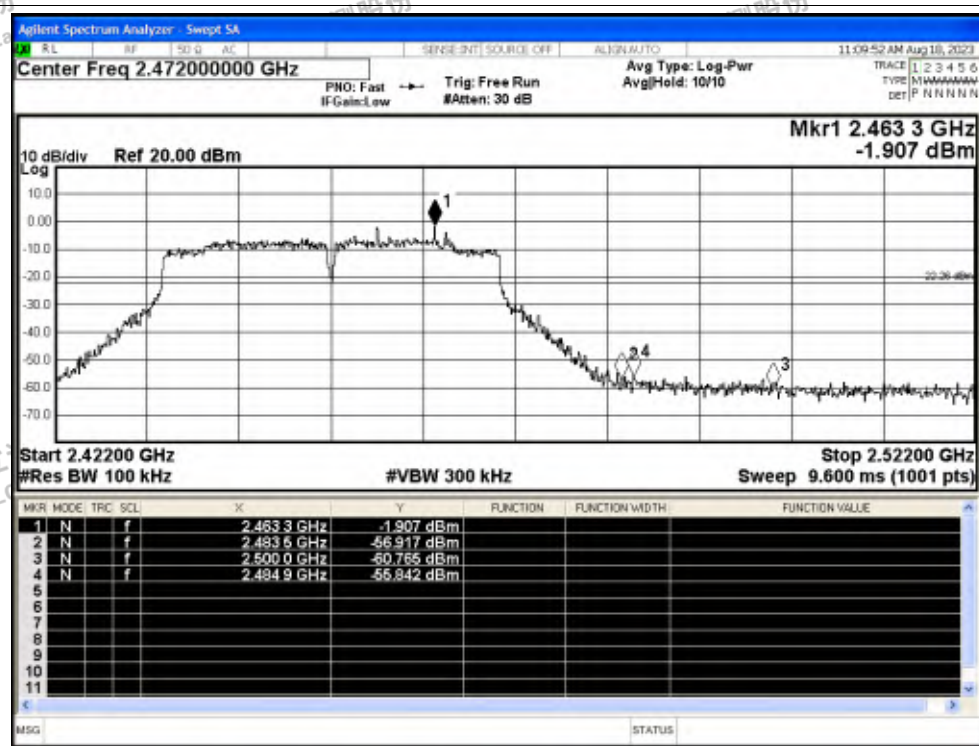
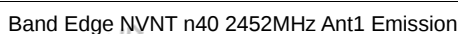


Band Edge NVNT n20 2462MHz Ant1 Emission





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C.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant0	-50.79	-20	Pass
NVNT	b	2437	Ant0	-50.67	-20	Pass
NVNT	b	2462	Ant0	-51.37	-20	Pass
NVNT	g	2412	Ant0	-47.21	-20	Pass
NVNT	g	2437	Ant0	-48.03	-20	Pass
NVNT	g	2462	Ant0	-48.94	-20	Pass
NVNT	n20	2412	Ant0	-48.5	-20	Pass
NVNT	n20	2437	Ant0	-47.54	-20	Pass
NVNT	n20	2462	Ant0	-47.29	-20	Pass
NVNT	n40	2422	Ant0	-45.2	-20	Pass
NVNT	n40	2437	Ant0	-45.02	-20	Pass
NVNT	n40	2452	Ant0	-45.43	-20	Pass



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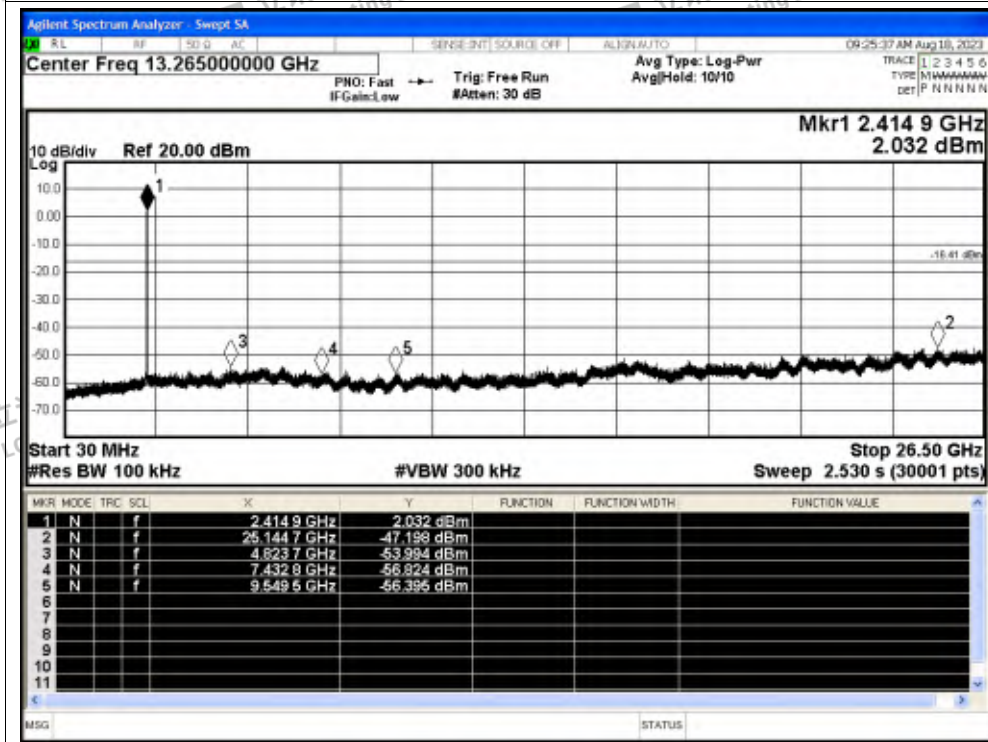


Test Graphs

Tx: Spurious NVNT b 2412MHz Ant0 Ref

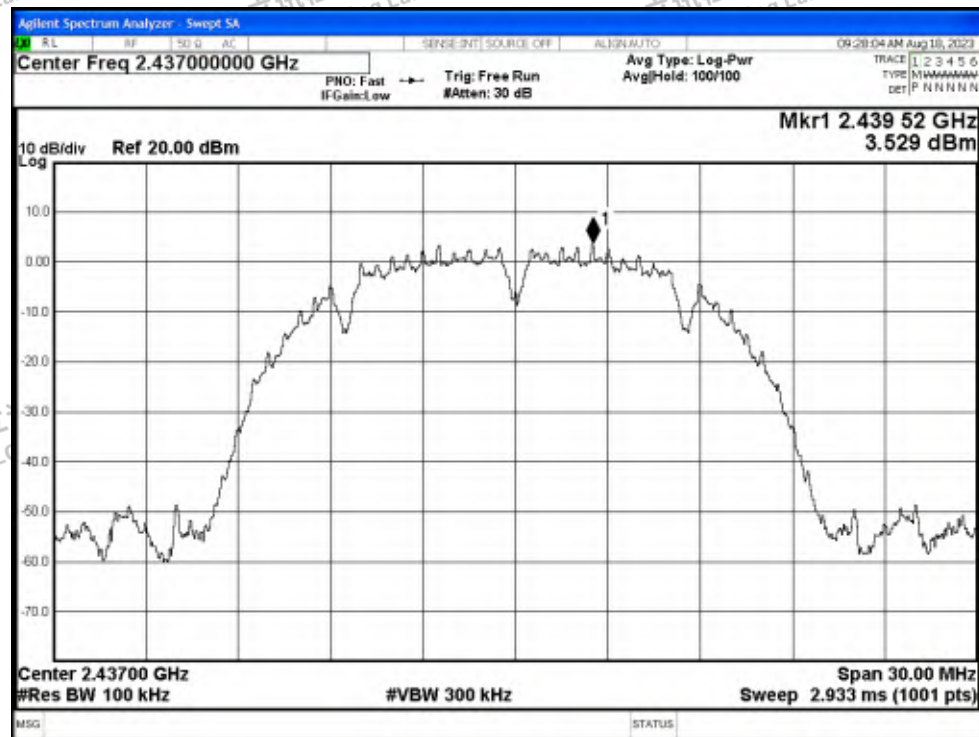


Tx: Spurious NVNT b 2412MHz Ant0 Emission

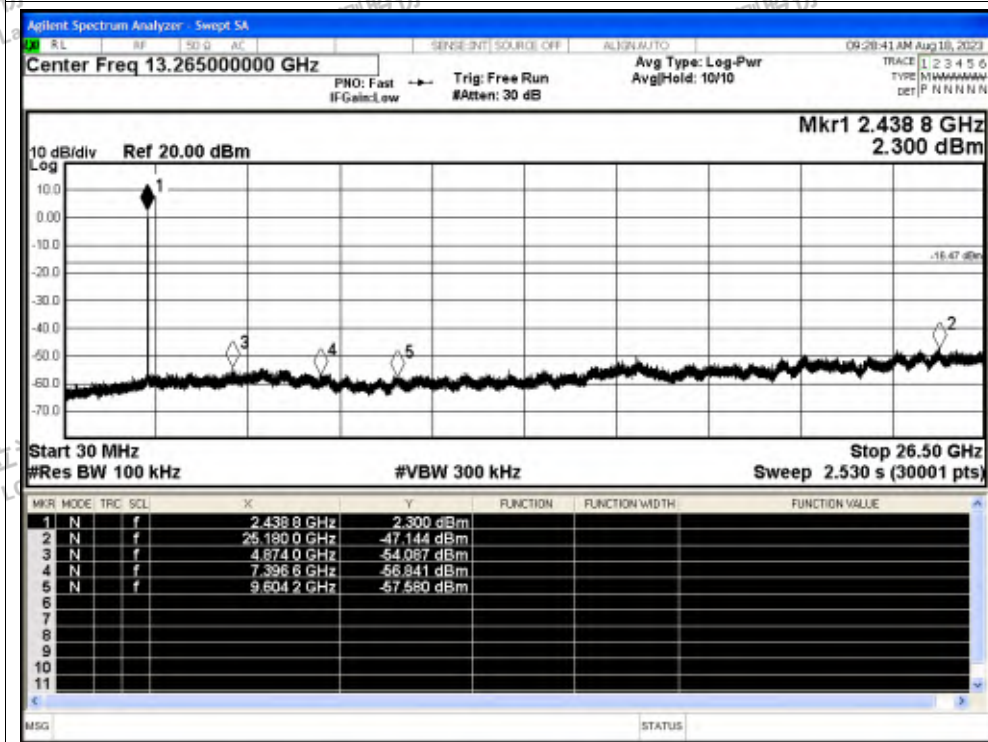




Tx: Spurious NVNT b 2437MHz Ant0 Ref

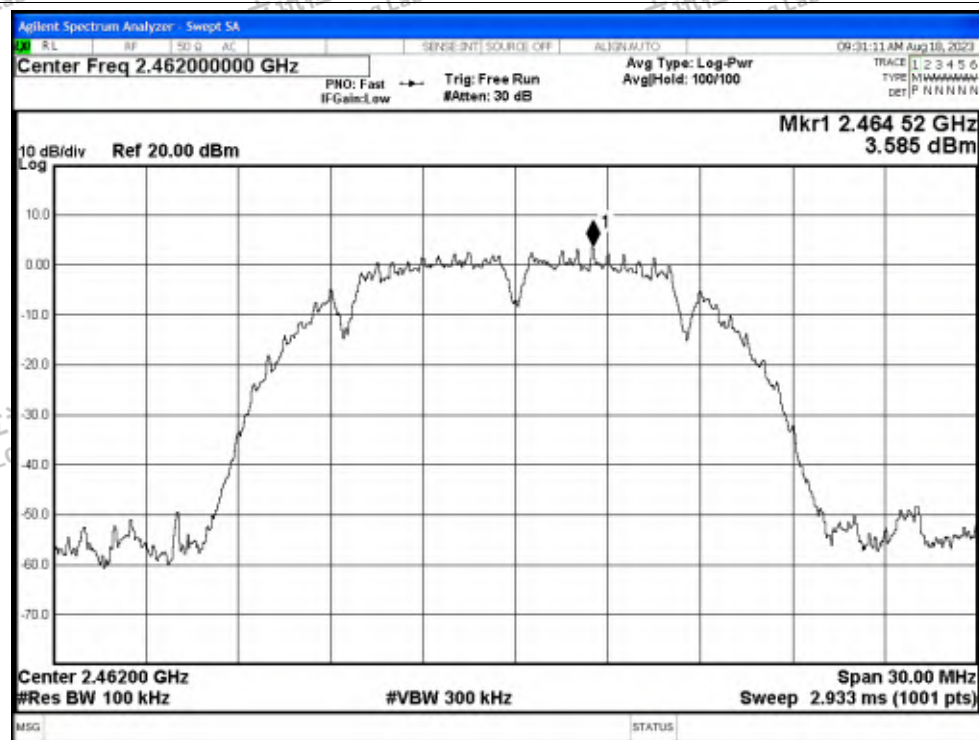


Tx: Spurious NVNT b 2437MHz Ant0 Emission

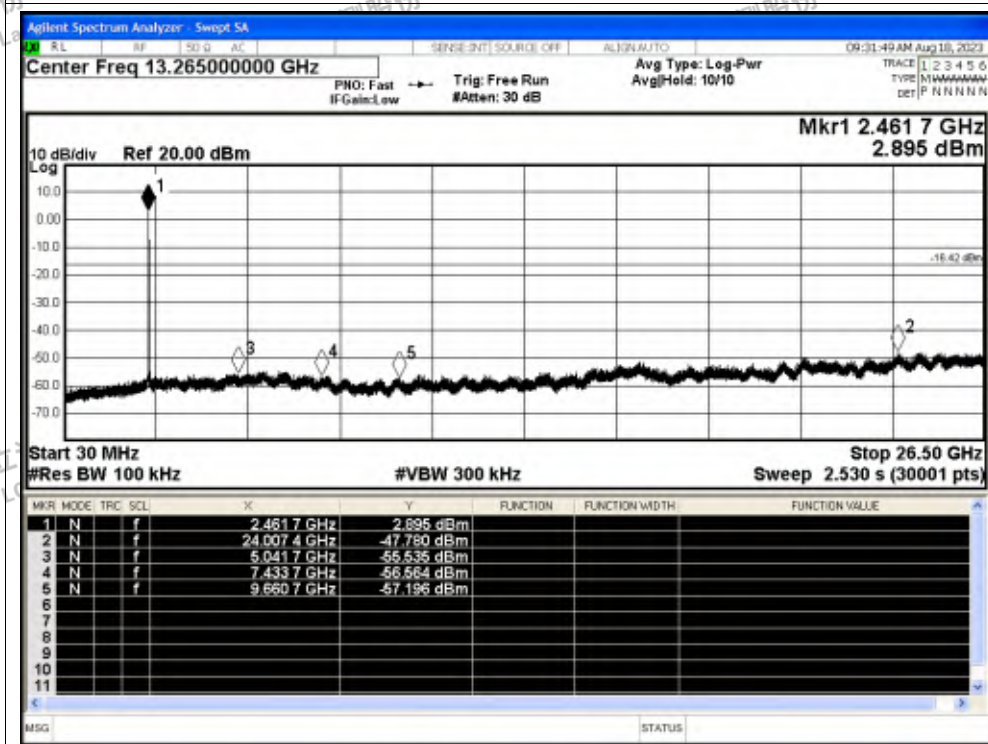




Tx: Spurious NVNT b 2462MHz Ant0 Ref

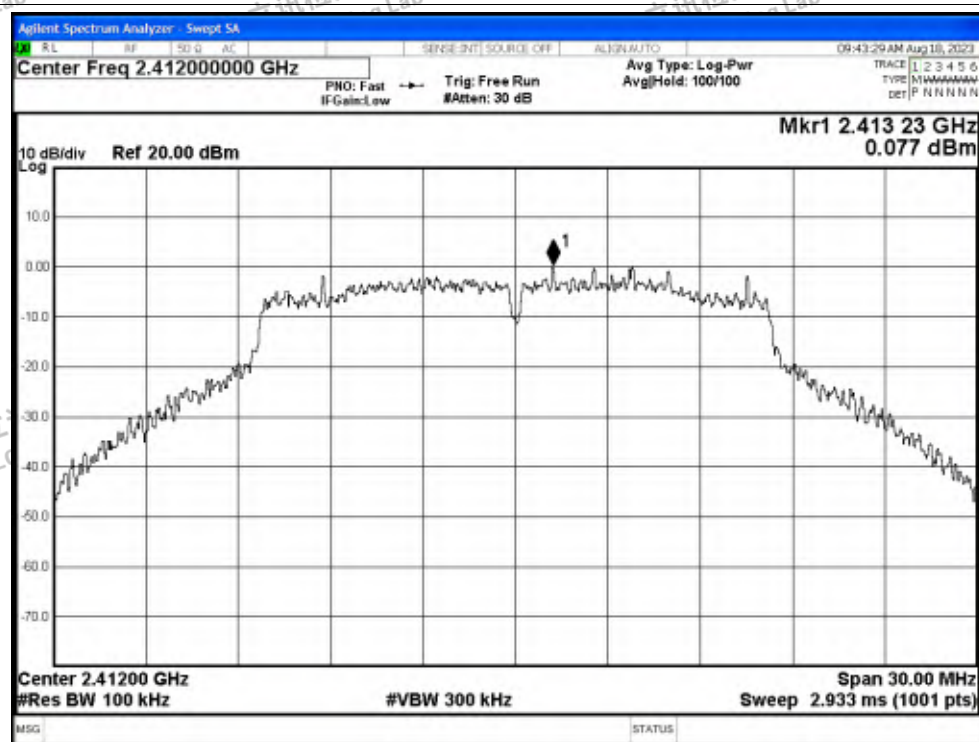


Tx: Spurious NVNT b 2462MHz Ant0 Emission

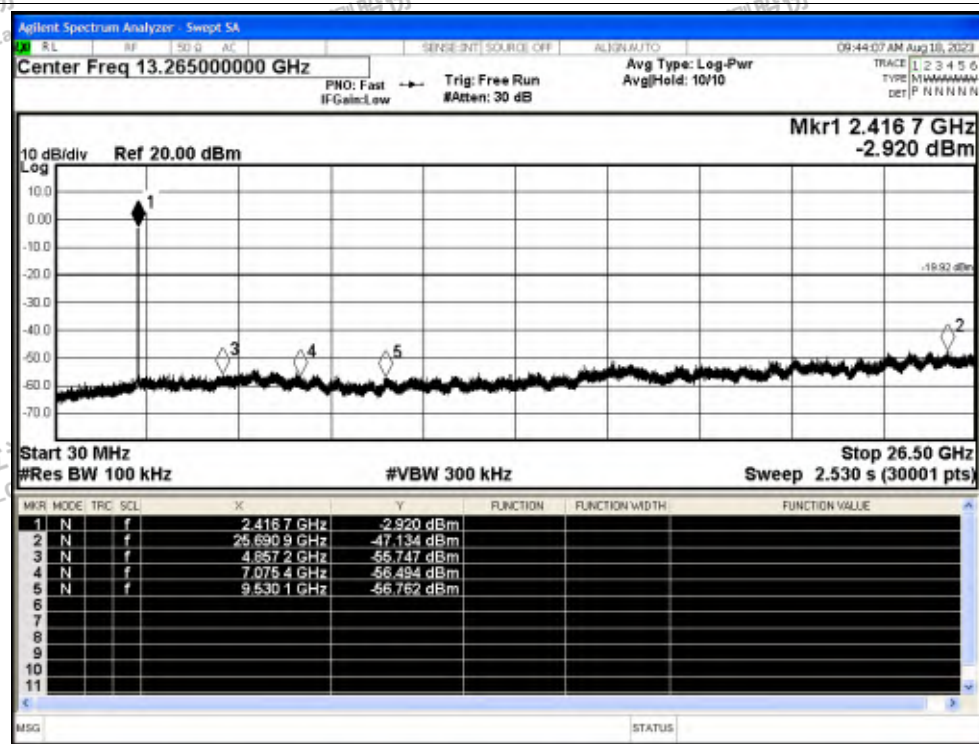




Tx: Spurious NVNT g 2412MHz Ant0 Ref

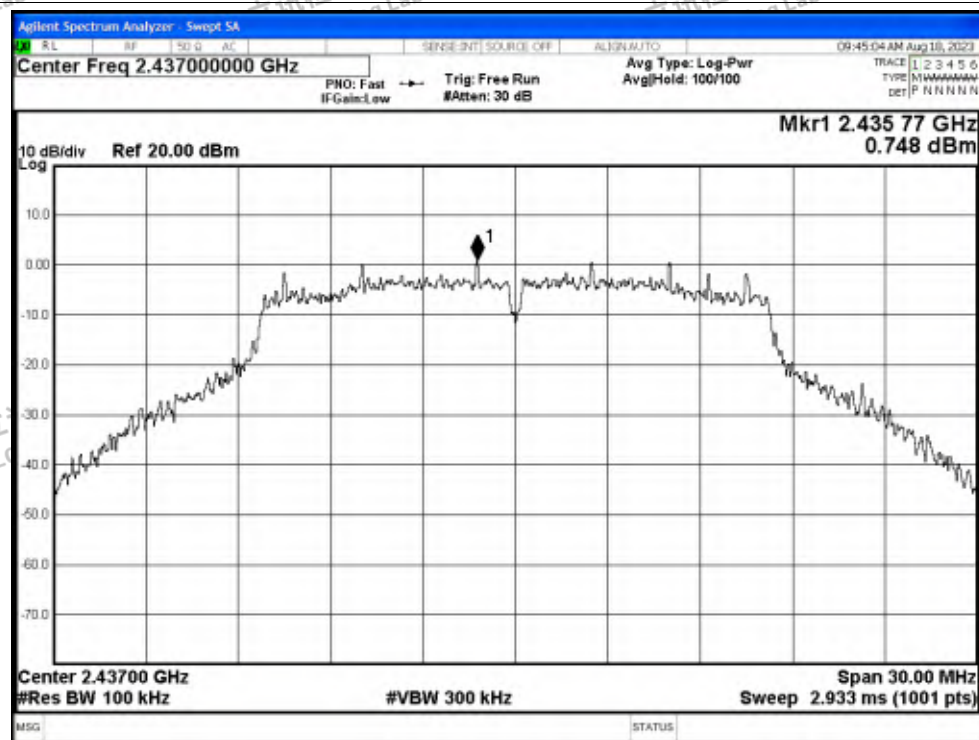


Tx: Spurious NVNT g 2412MHz Ant0 Emission

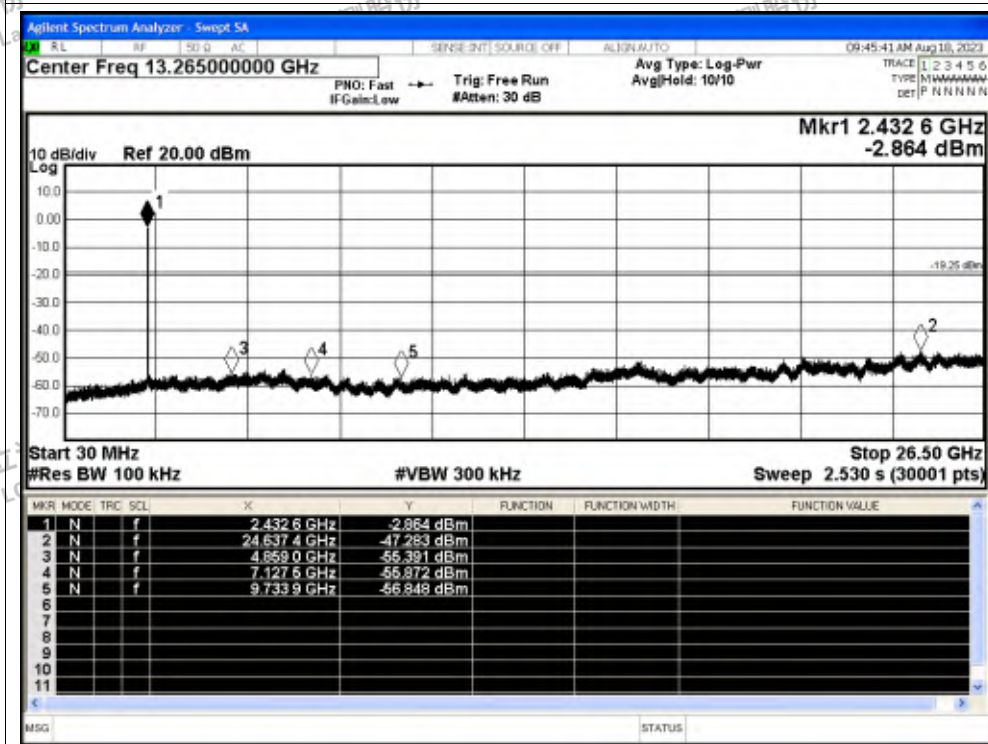




Tx: Spurious NVNT g 2437MHz Ant0 Ref

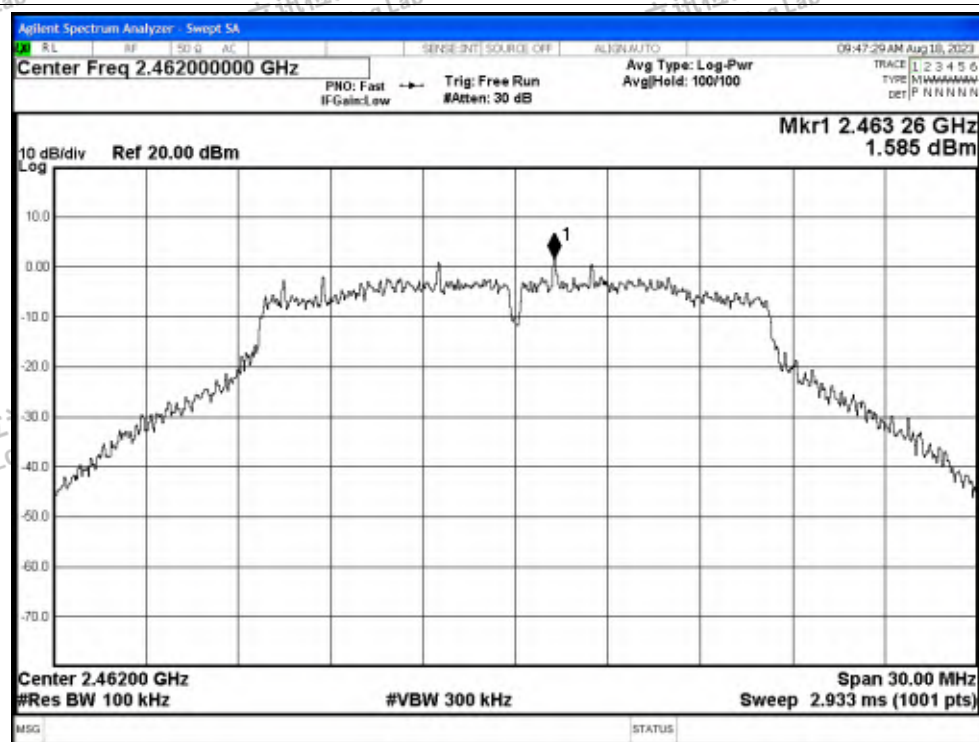


Tx: Spurious NVNT g 2437MHz Ant0 Emission

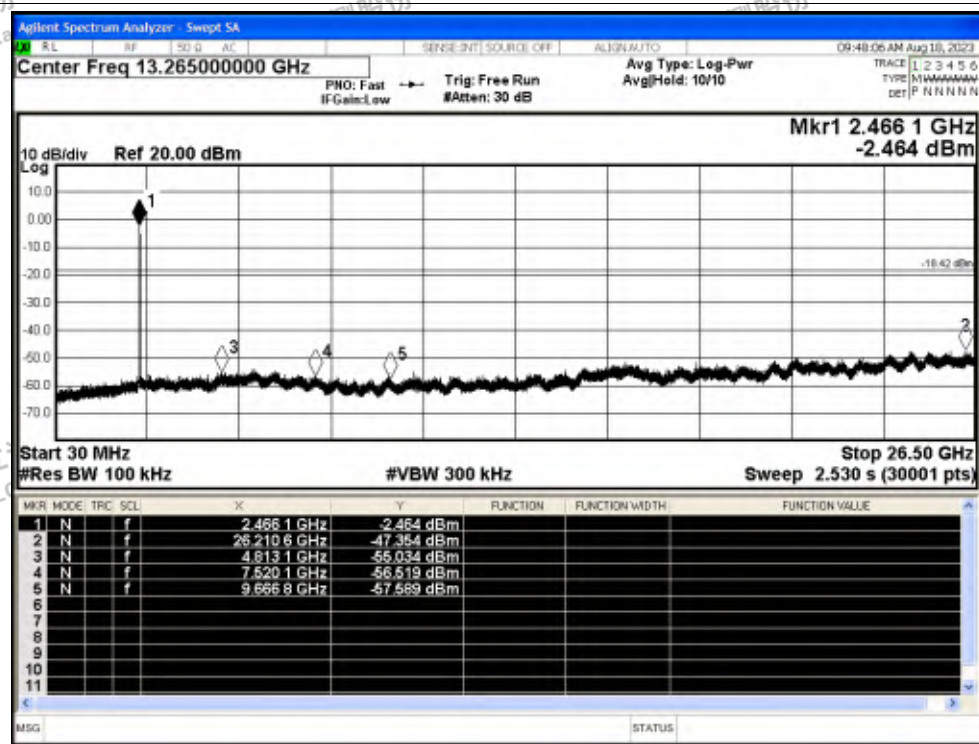




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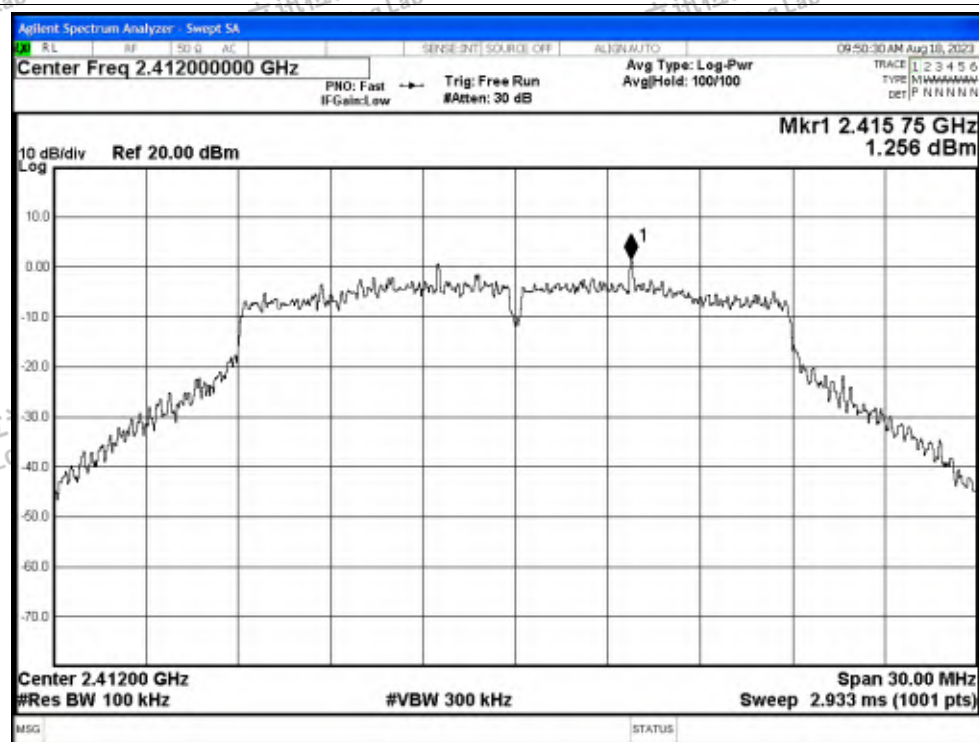


Tx: Spurious NVNT g 2462MHz Ant0 Emission

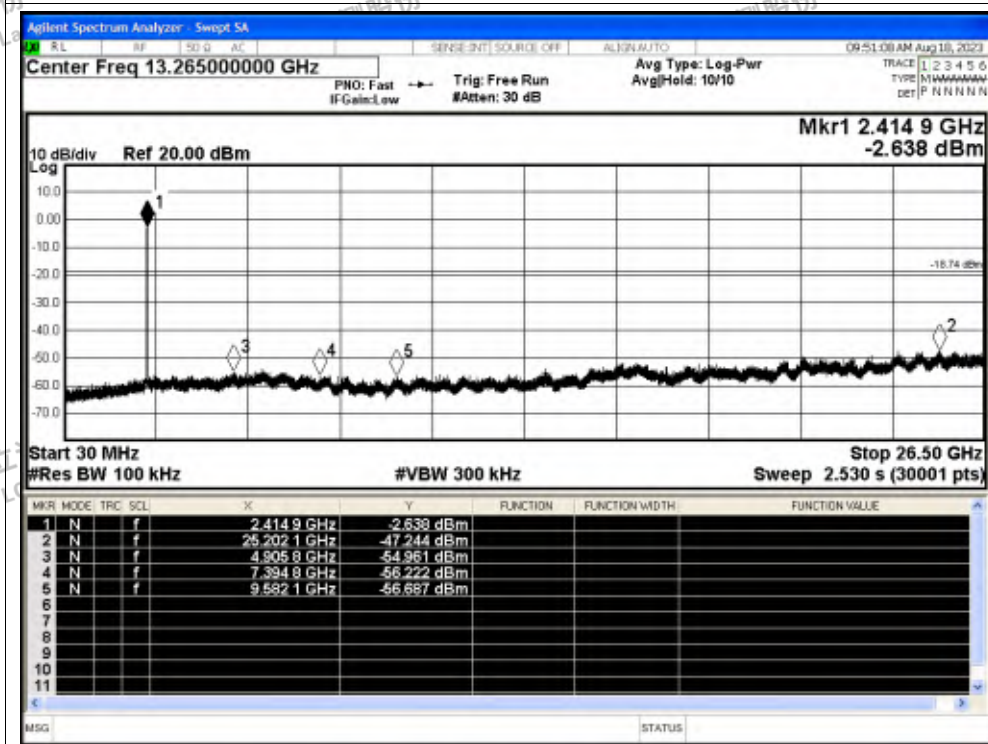




Tx. Spurious NVNT n20 2412MHz Ant0 Ref

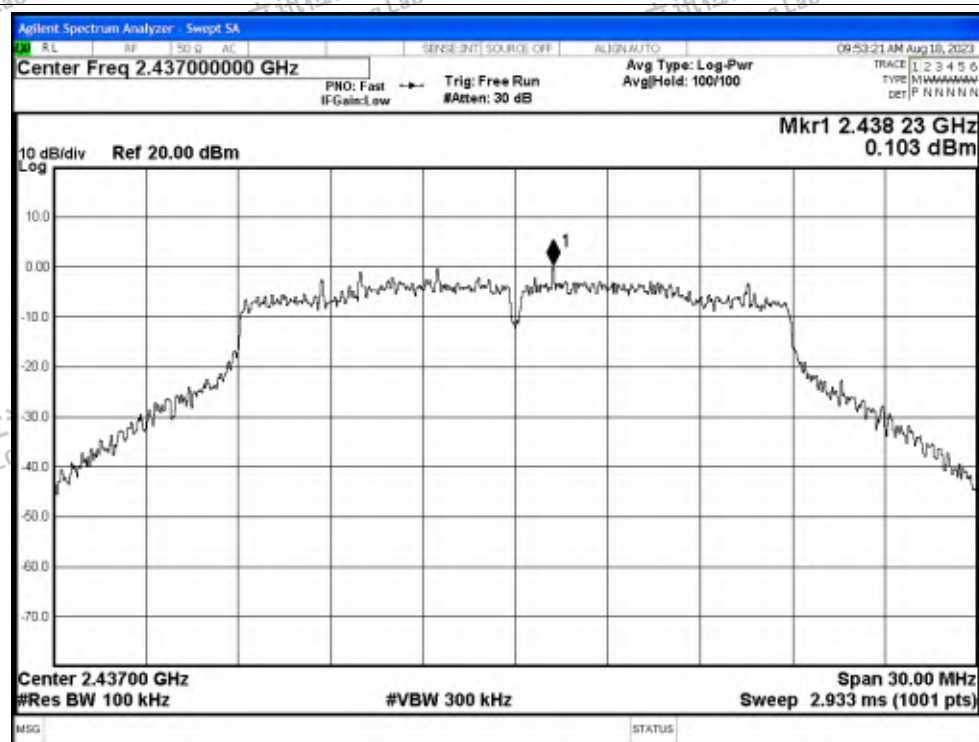


Tx. Spurious NVNT n20 2412MHz Ant0 Emission

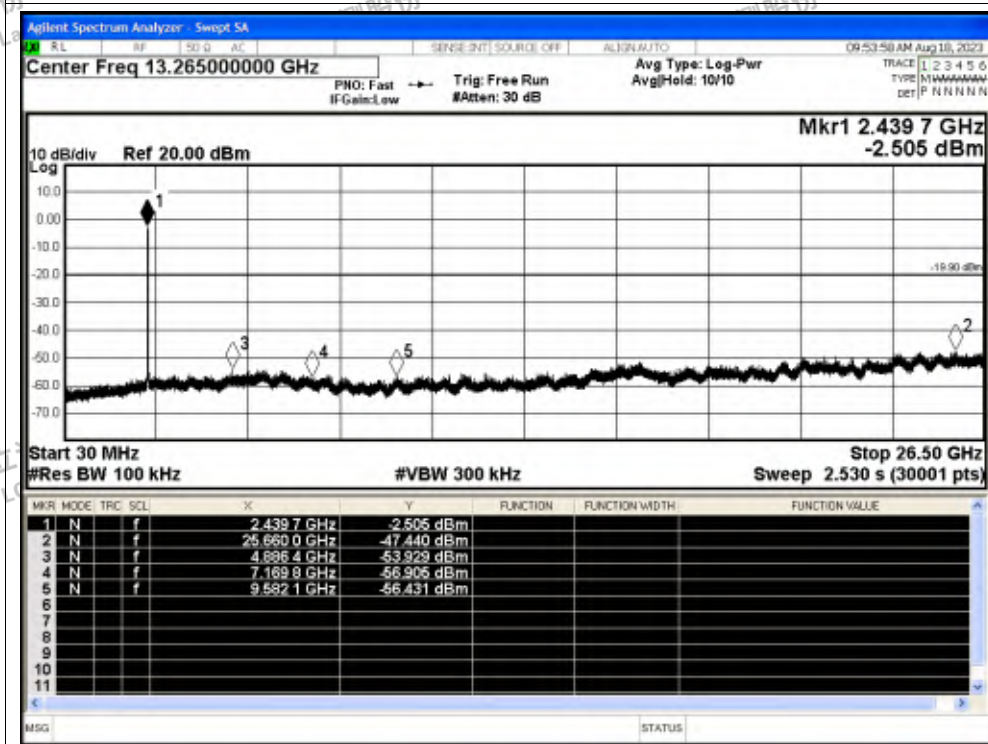




Tx. Spurious NVNT n20 2437MHz Ant0 Ref

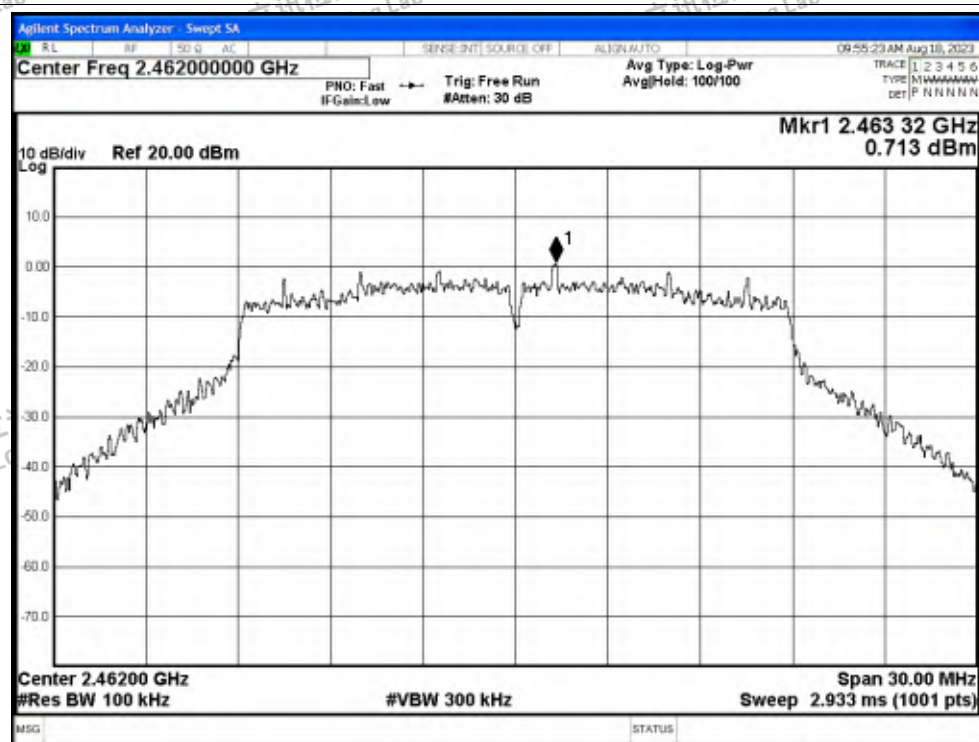


Tx. Spurious NVNT n20 2437MHz Ant0 Emission

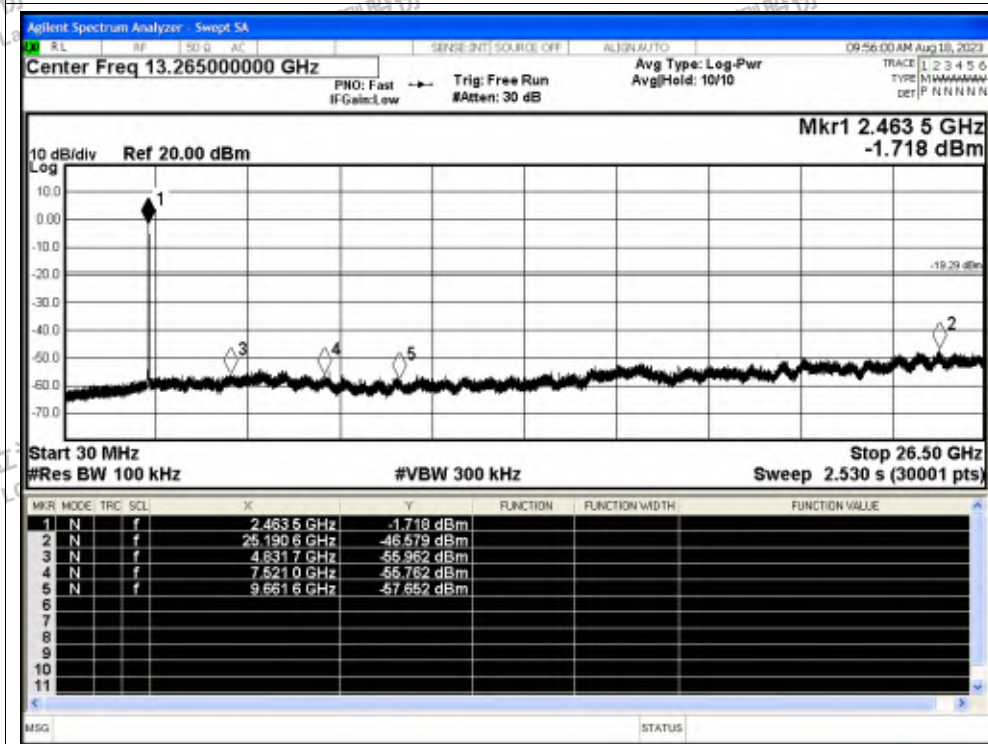




Tx. Spurious NVNT n20 2462MHz Ant0 Ref

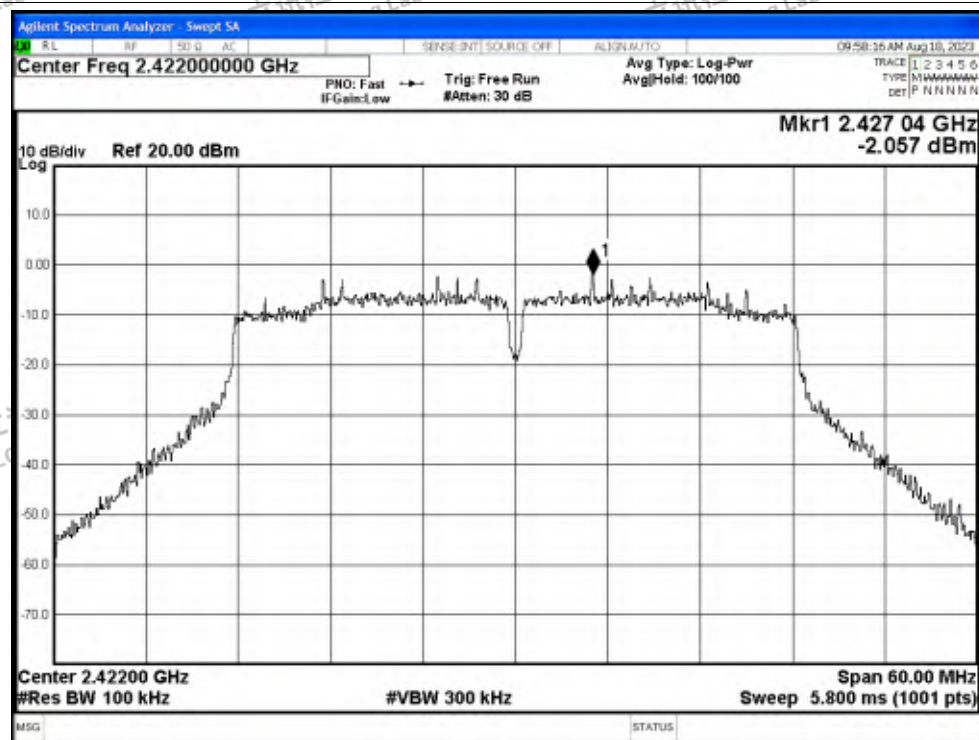


Tx. Spurious NVNT n20 2462MHz Ant0 Emission

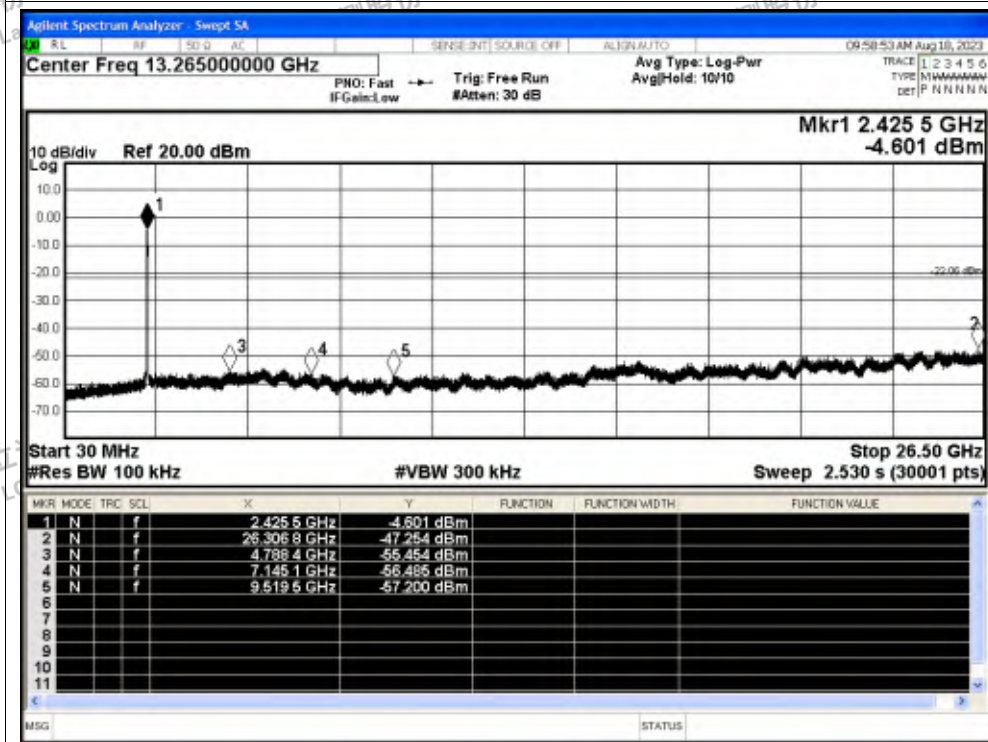




Tx. Spurious NVNT n40 2422MHz Ant0 Ref

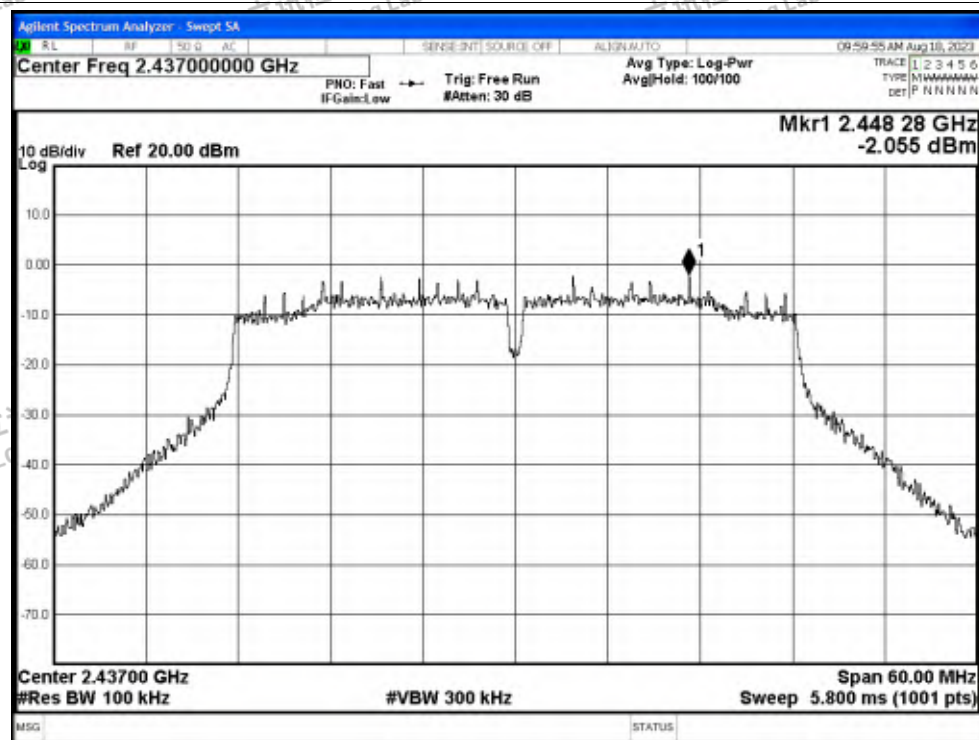


Tx. Spurious NVNT n40 2422MHz Ant0 Emission

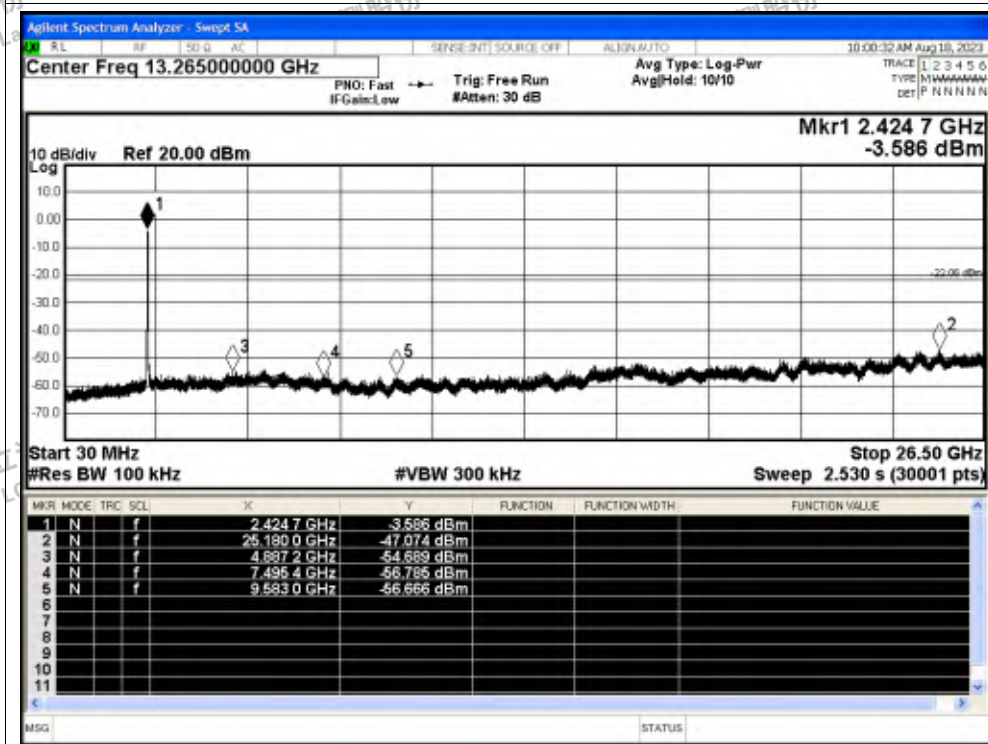




Tx. Spurious NVNT n40 2437MHz Ant0 Ref

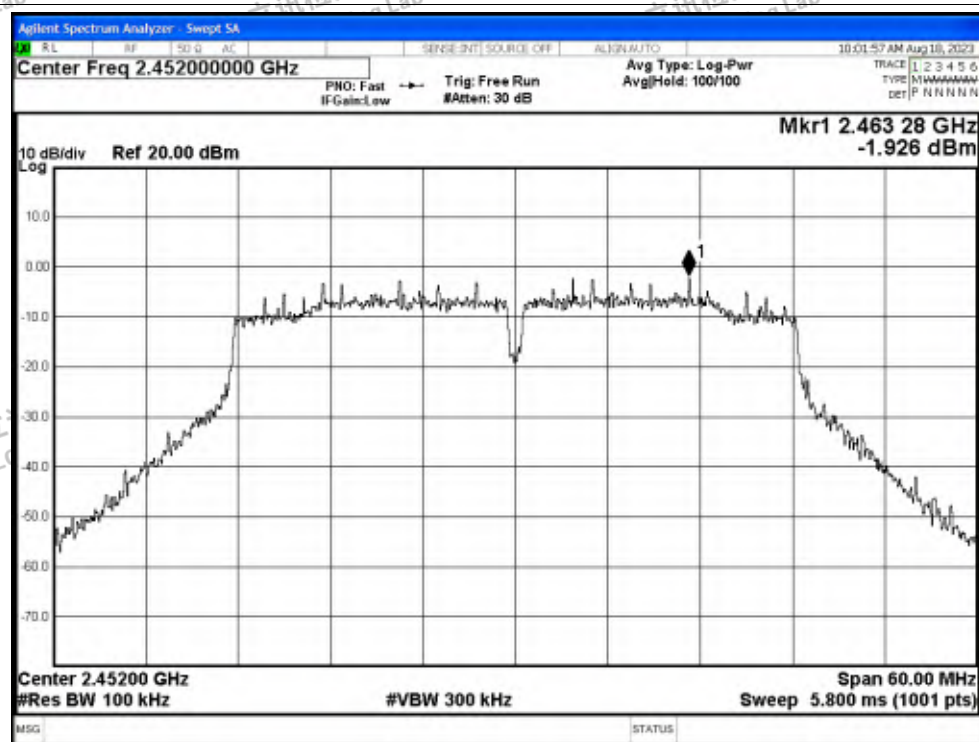


Tx. Spurious NVNT n40 2437MHz Ant0 Emission

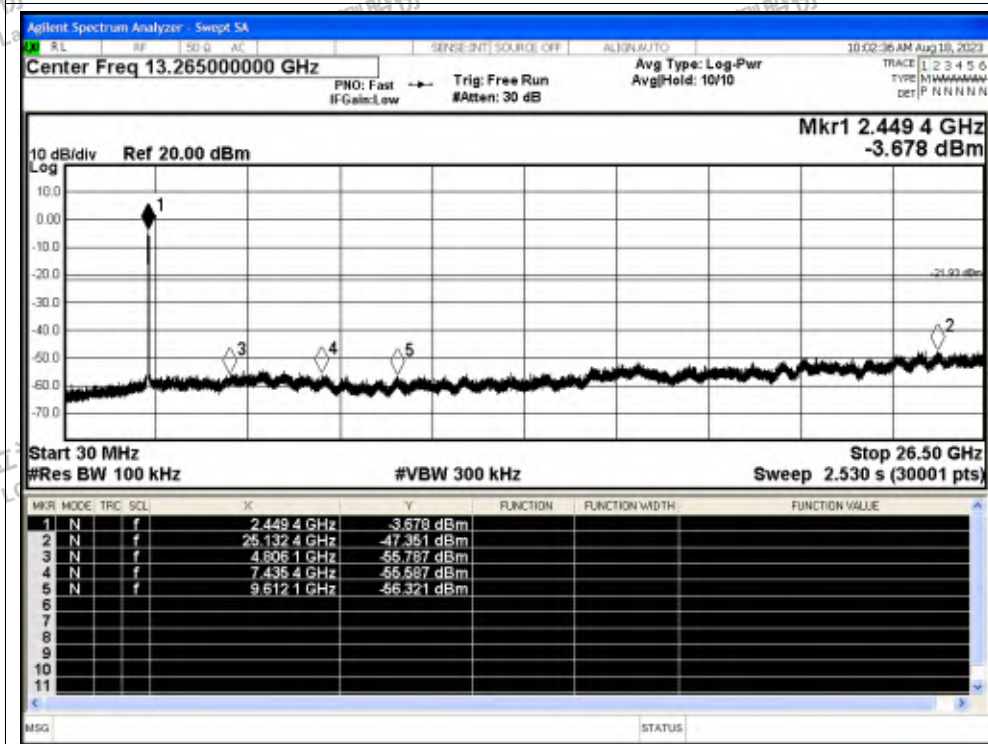




Tx. Spurious NVNT n40 2452MHz Ant0 Ref



Tx. Spurious NVNT n40 2452MHz Ant0 Emission





Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-51.38	-20	Pass
NVNT	b	2437	Ant1	-49.58	-20	Pass
NVNT	b	2462	Ant1	-50.95	-20	Pass
NVNT	g	2412	Ant1	-47.67	-20	Pass
NVNT	g	2437	Ant1	-48.48	-20	Pass
NVNT	g	2462	Ant1	-48.4	-20	Pass
NVNT	n20	2412	Ant1	-48.06	-20	Pass
NVNT	n20	2437	Ant1	-47.79	-20	Pass
NVNT	n20	2462	Ant1	-48.45	-20	Pass
NVNT	n40	2422	Ant1	-44.55	-20	Pass
NVNT	n40	2437	Ant1	-44.41	-20	Pass
NVNT	n40	2452	Ant1	-44.75	-20	Pass

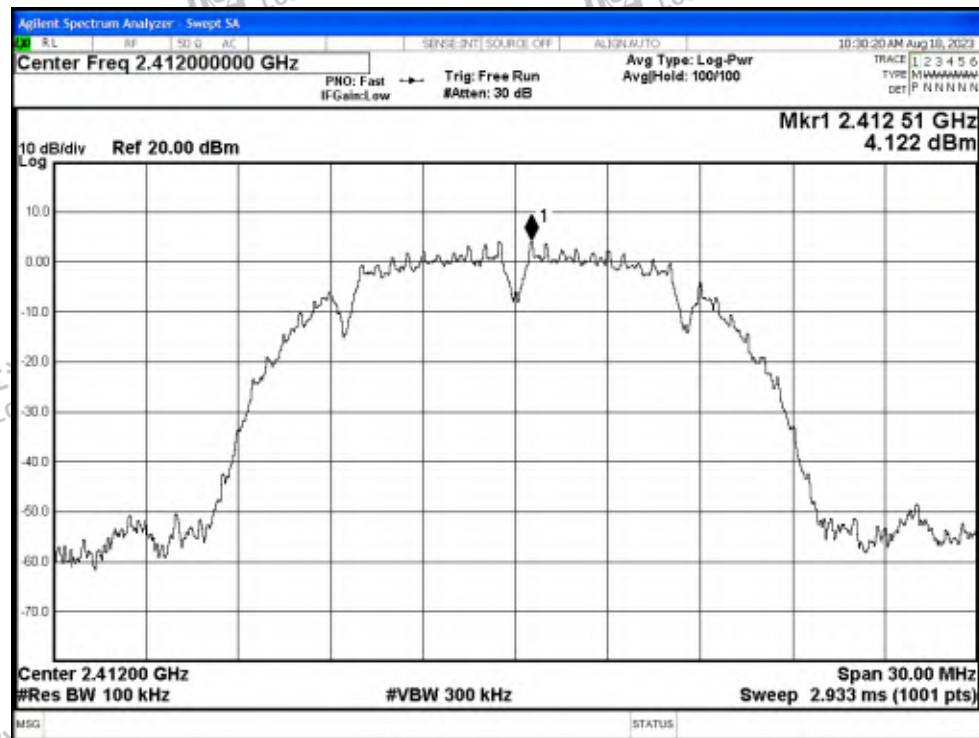


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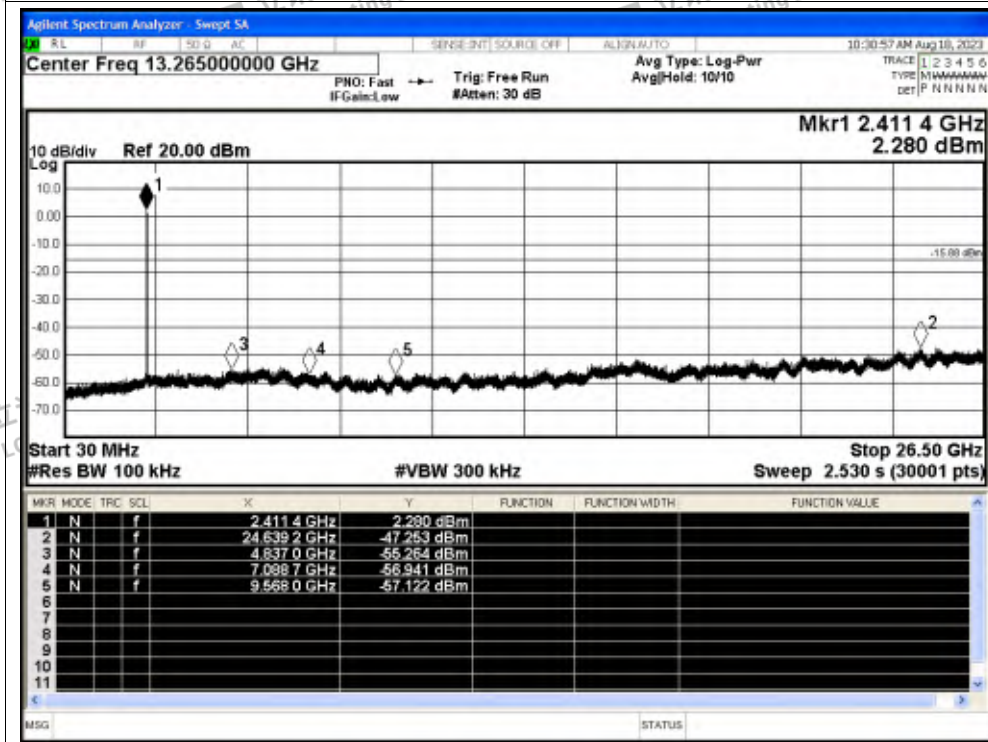


Test Graphs

Tx: Spurious NVNT b 2412MHz Ant1 Ref

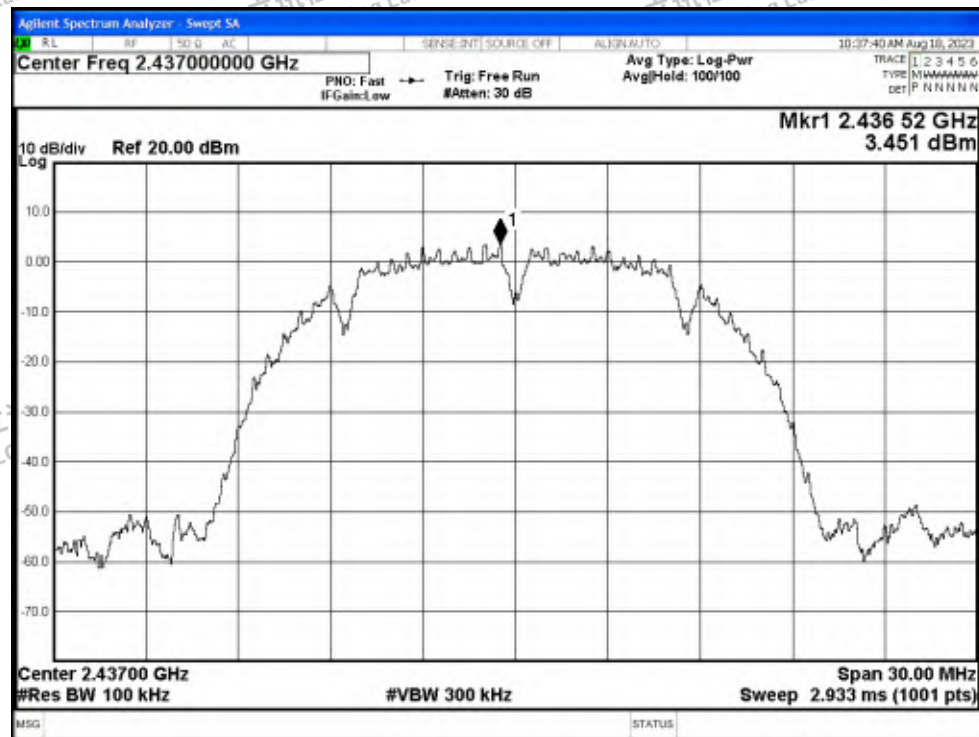


Tx: Spurious NVNT b 2412MHz Ant1 Emission

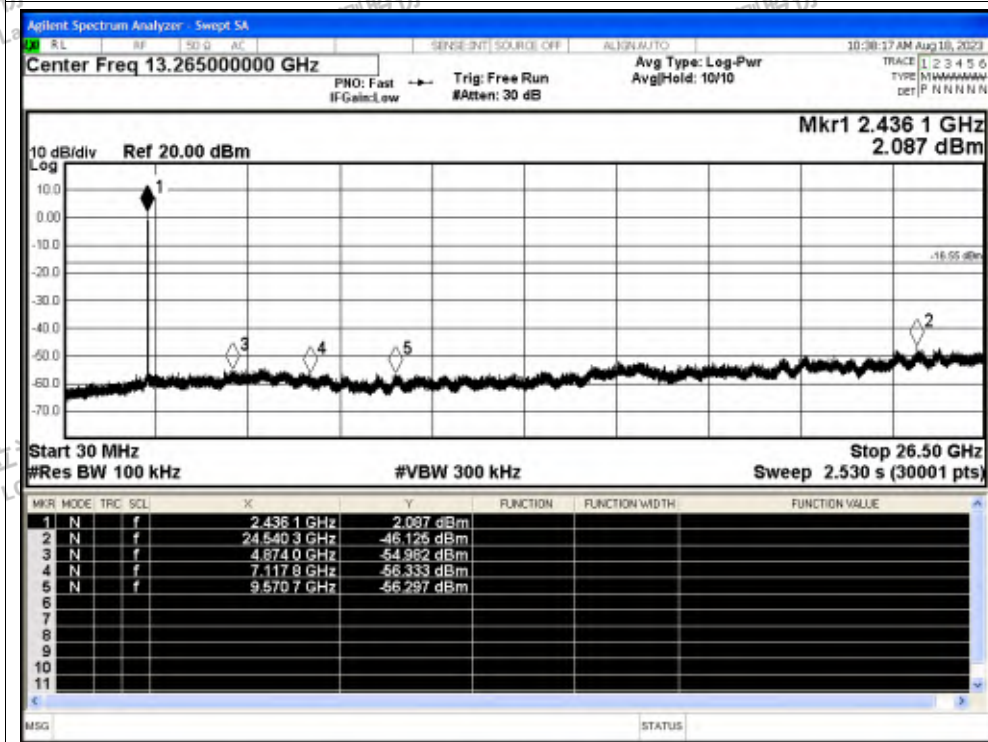




Tx: Spurious NVNT b 2437MHz Ant1 Ref

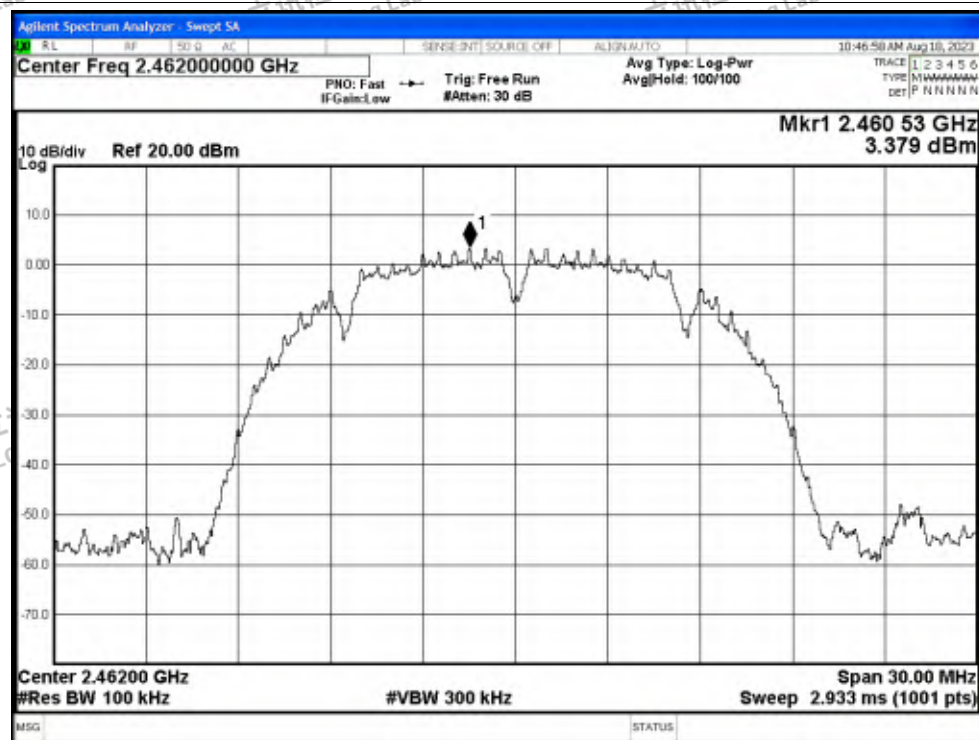


Tx: Spurious NVNT b 2437MHz Ant1 Emission

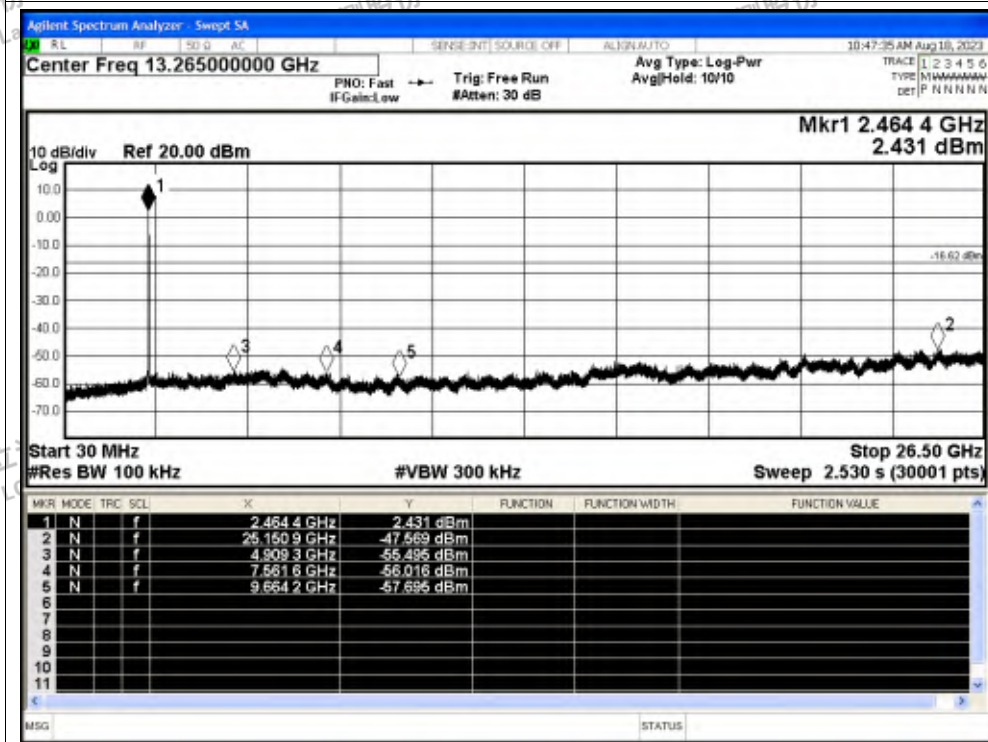




Tx: Spurious NVNT b 2462MHz Ant1 Ref

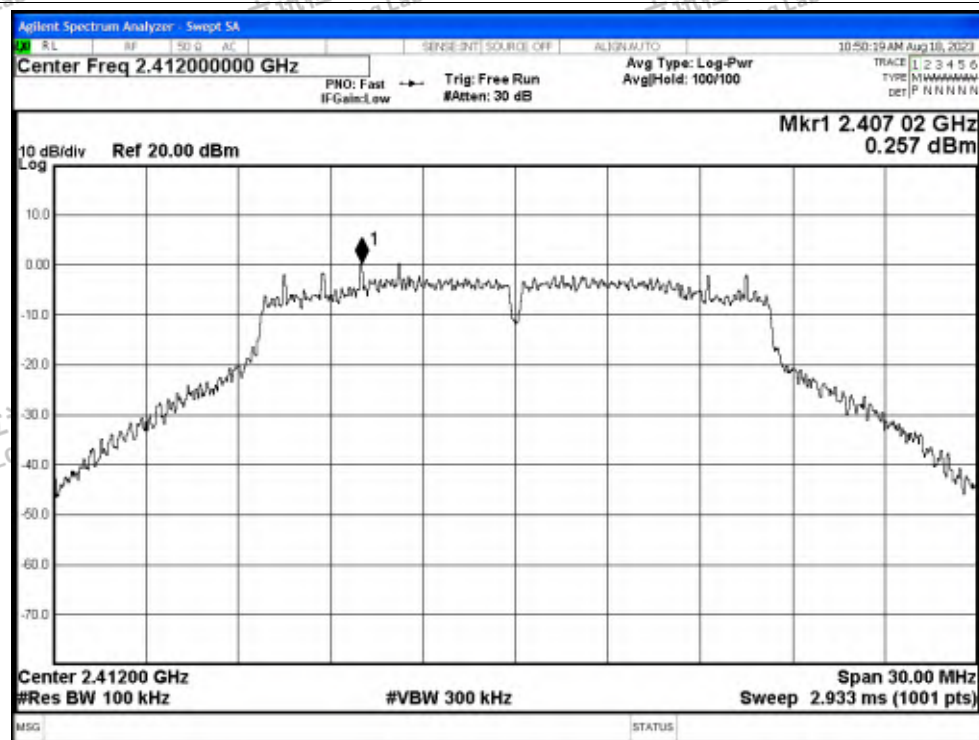


Tx: Spurious NVNT b 2462MHz Ant1 Emission

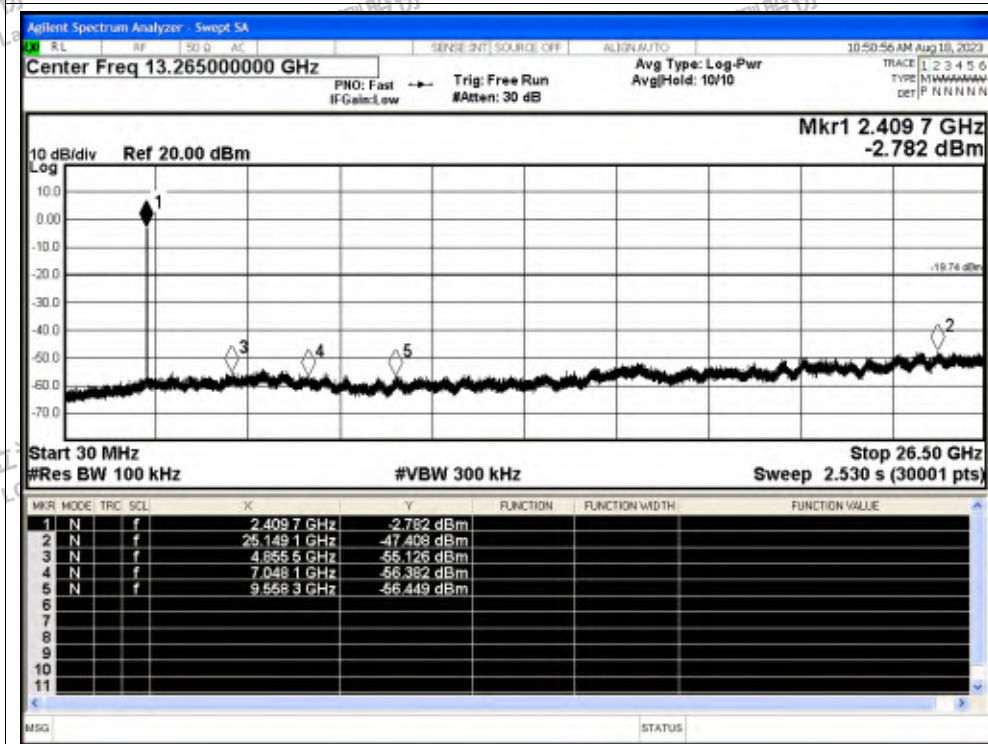




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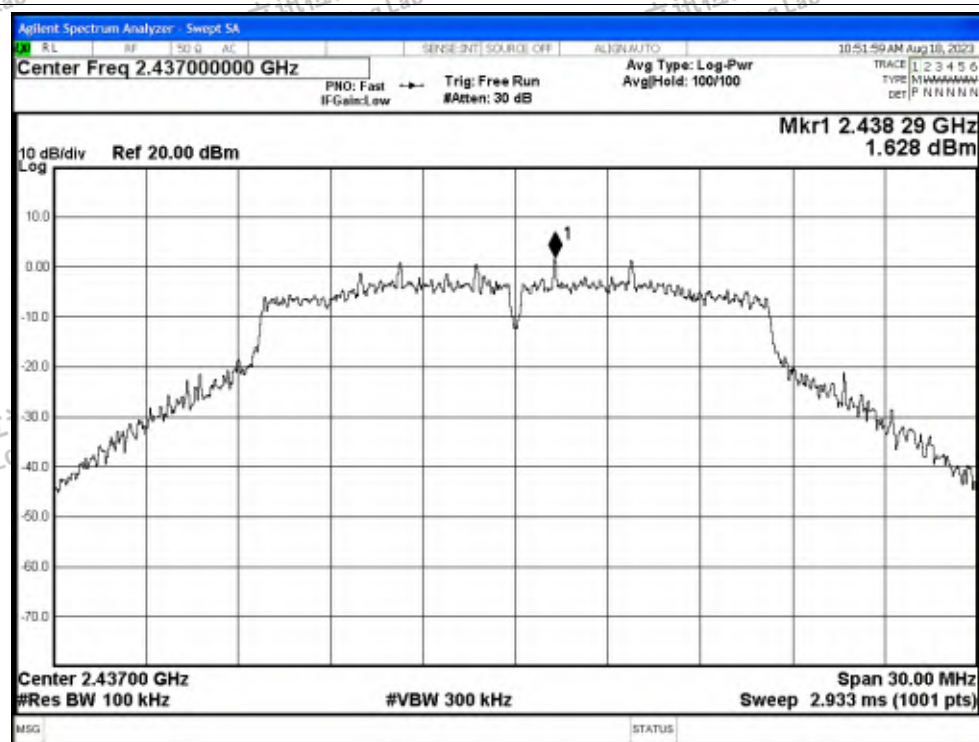


Tx: Spurious NVNT g 2412MHz Ant1 Emission

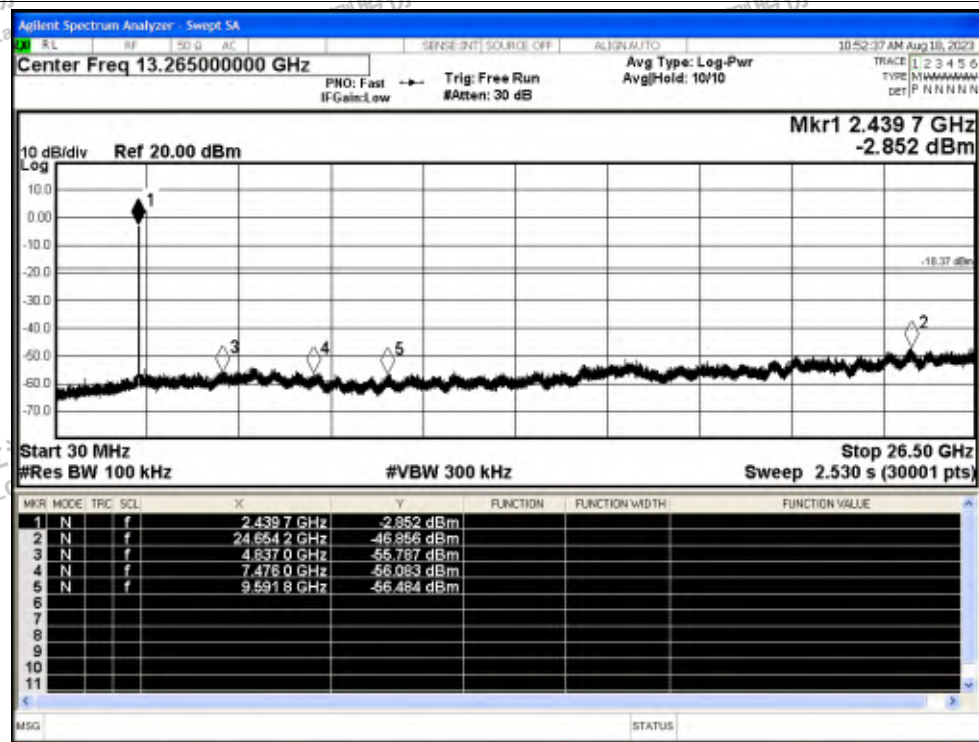




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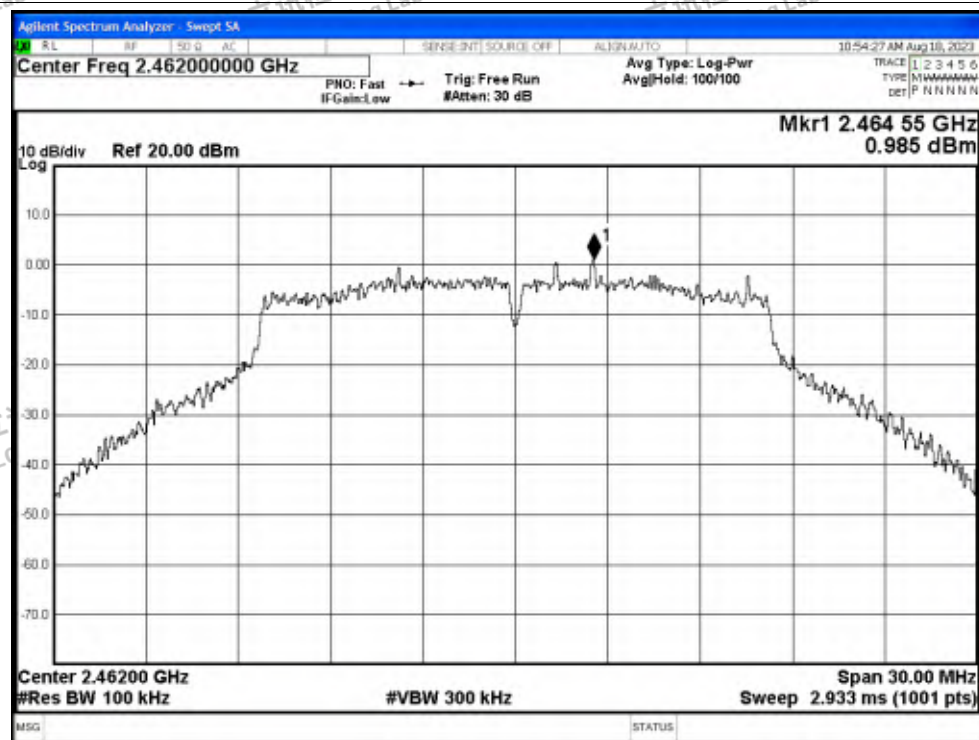


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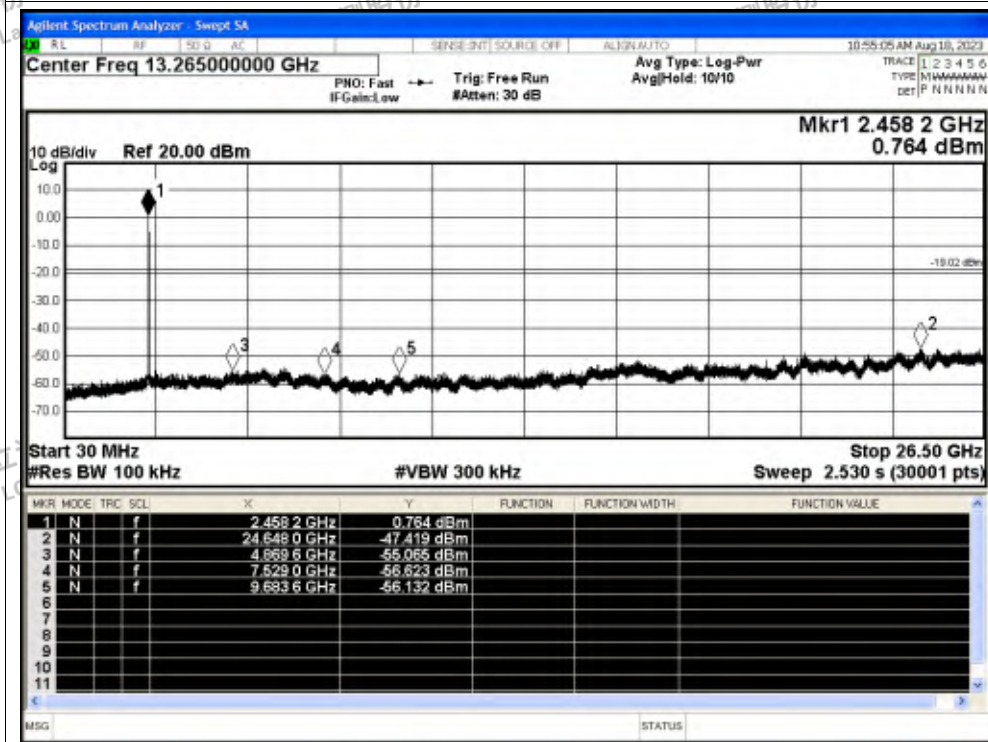




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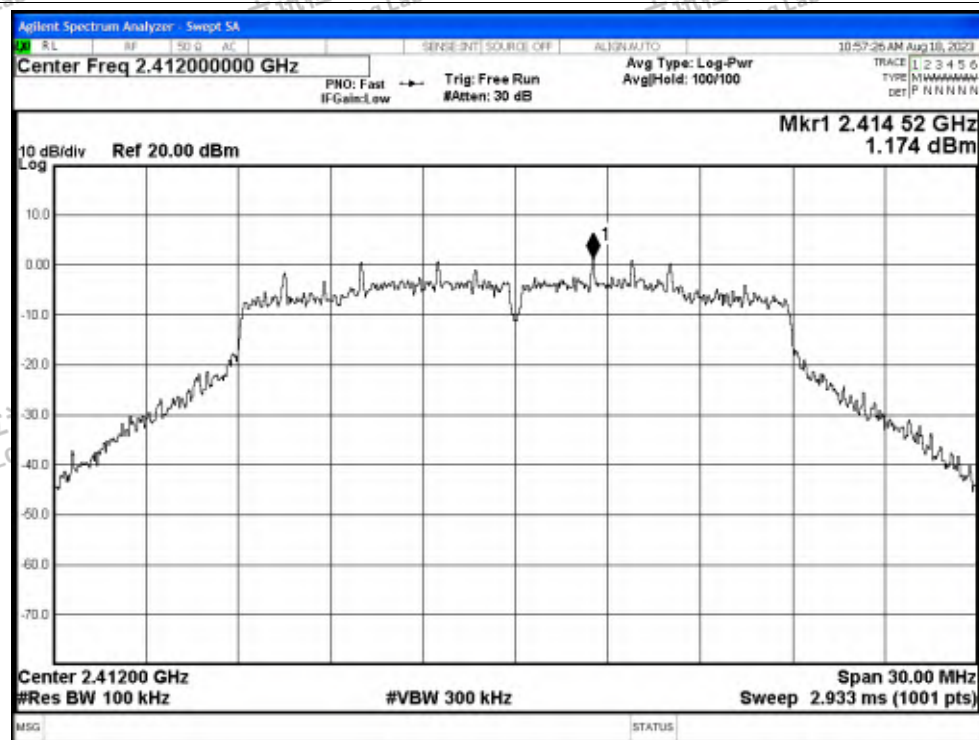


Tx: Spurious NVNT g 2462MHz Ant1 Emission

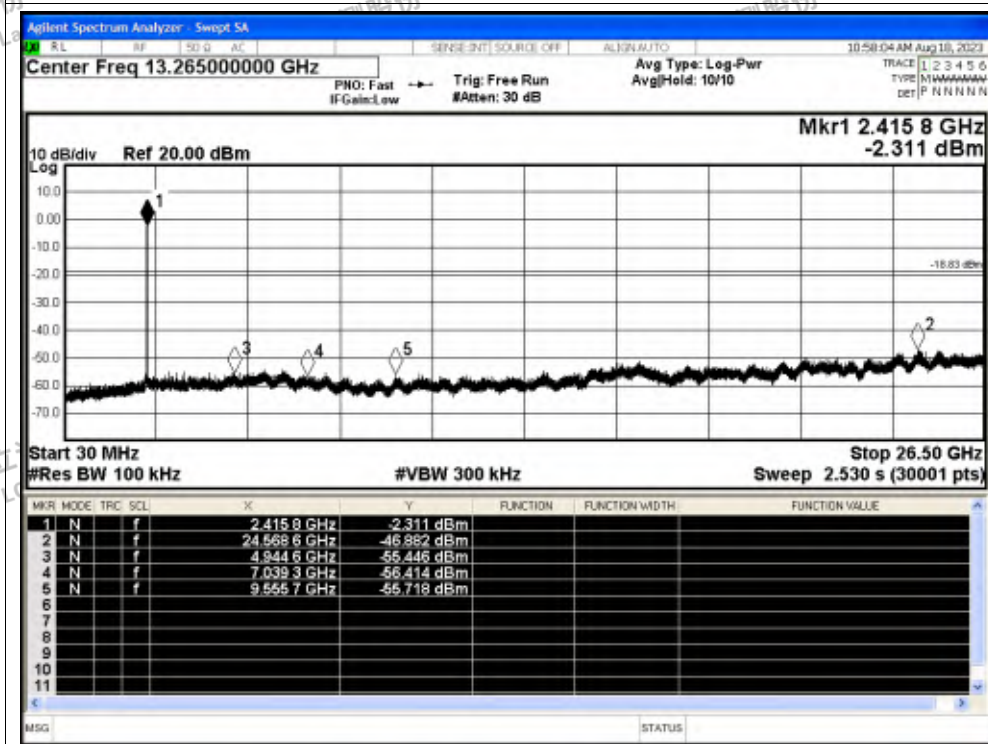




Tx. Spurious NVNT n20 2412MHz Ant1 Ref

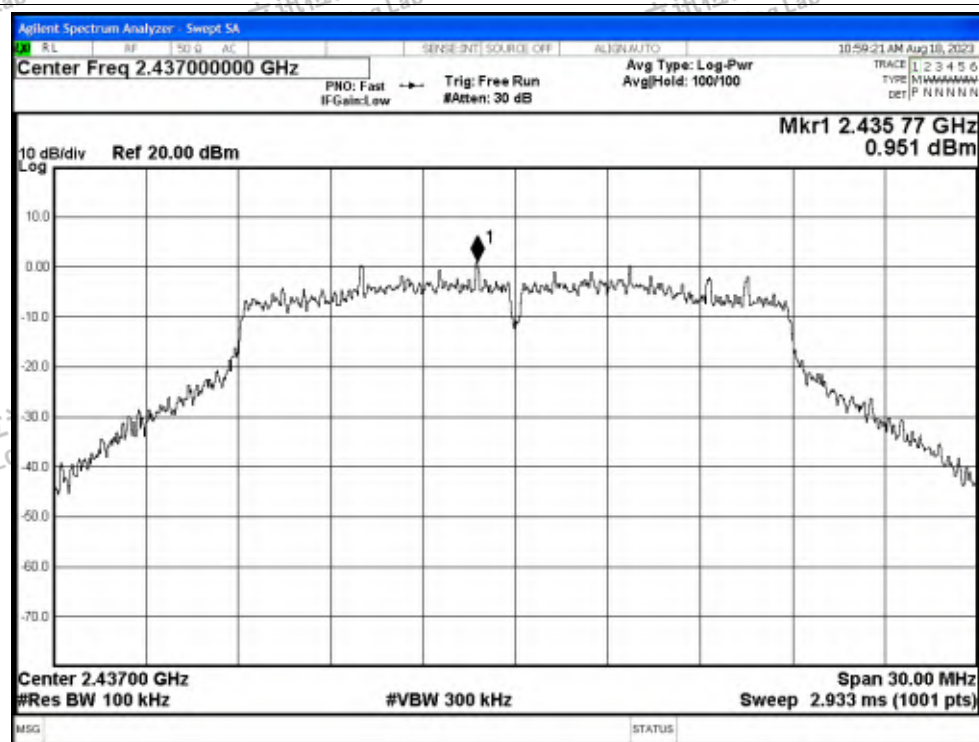


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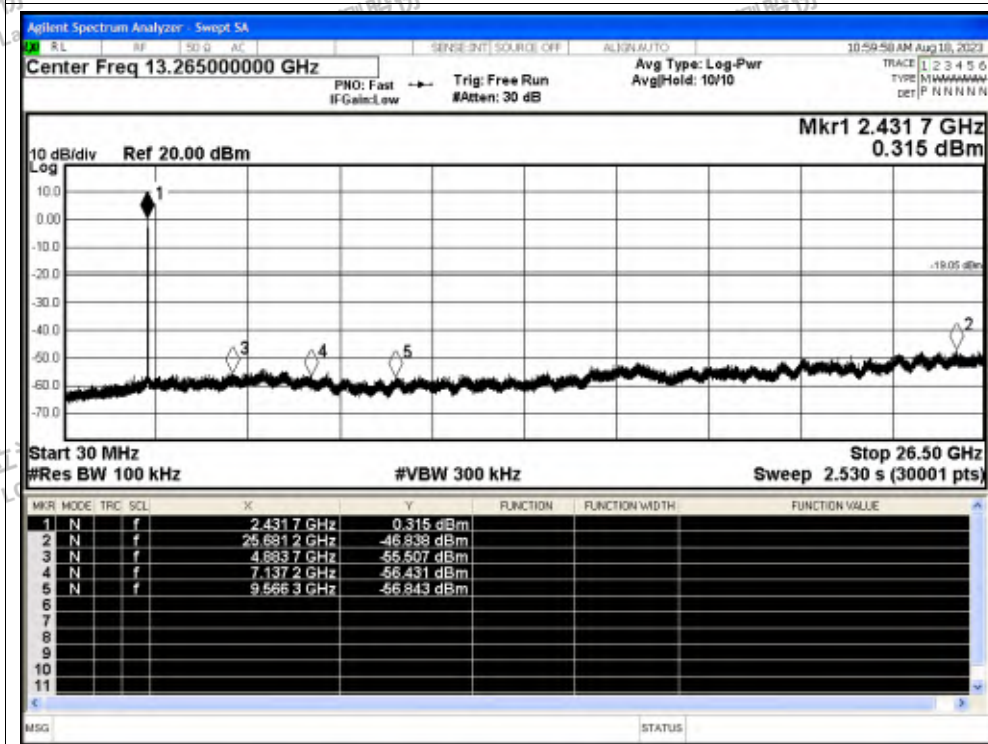




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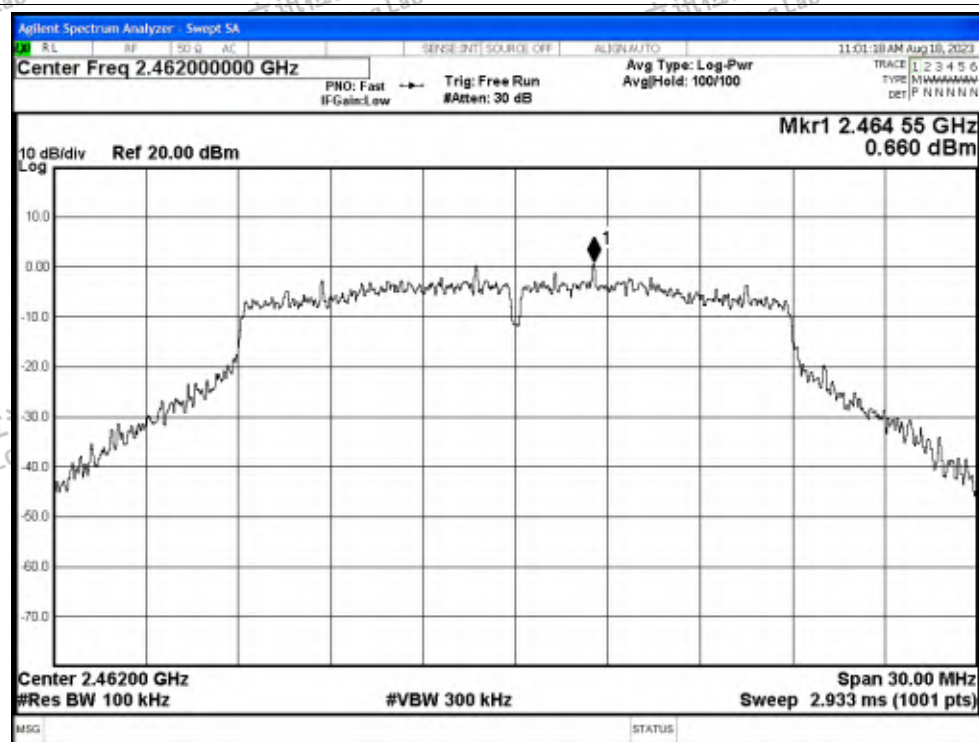


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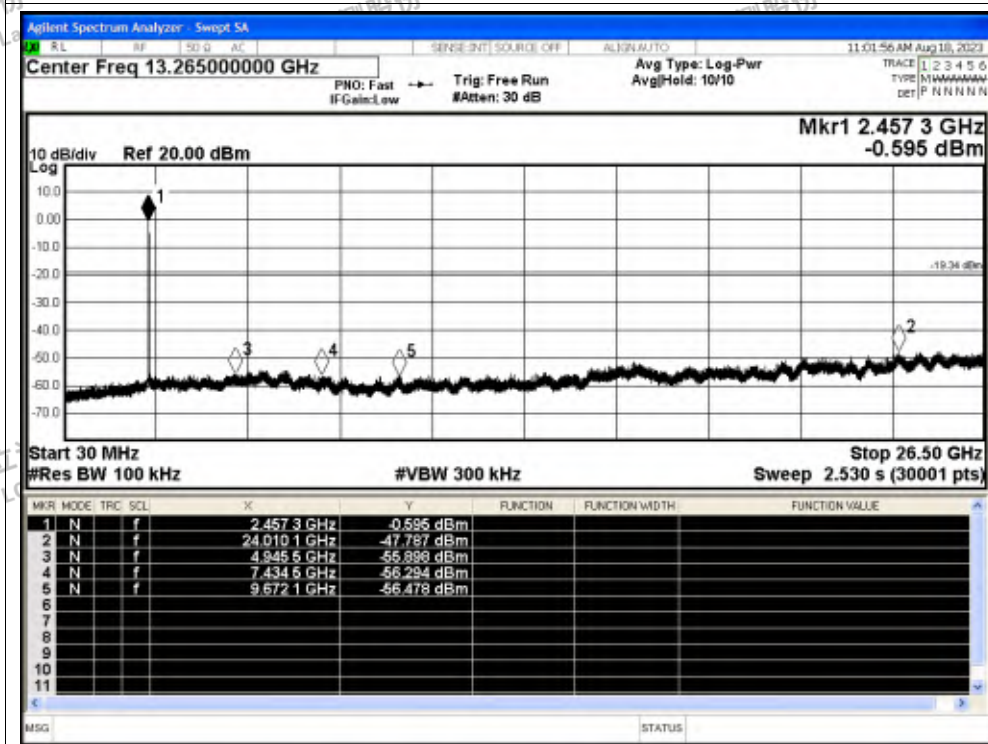




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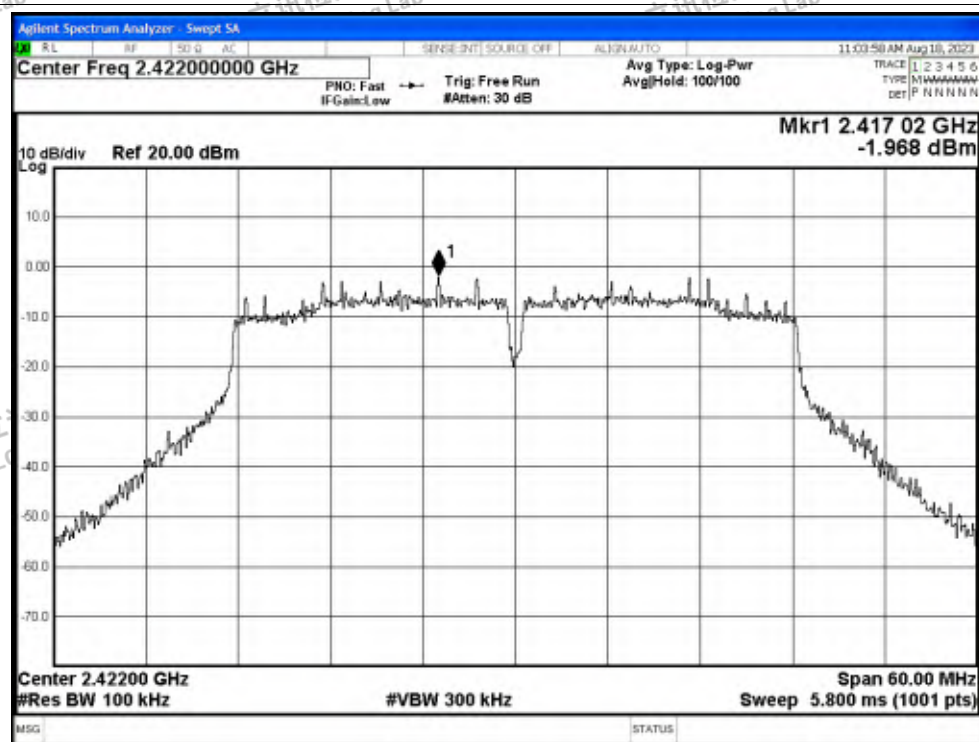


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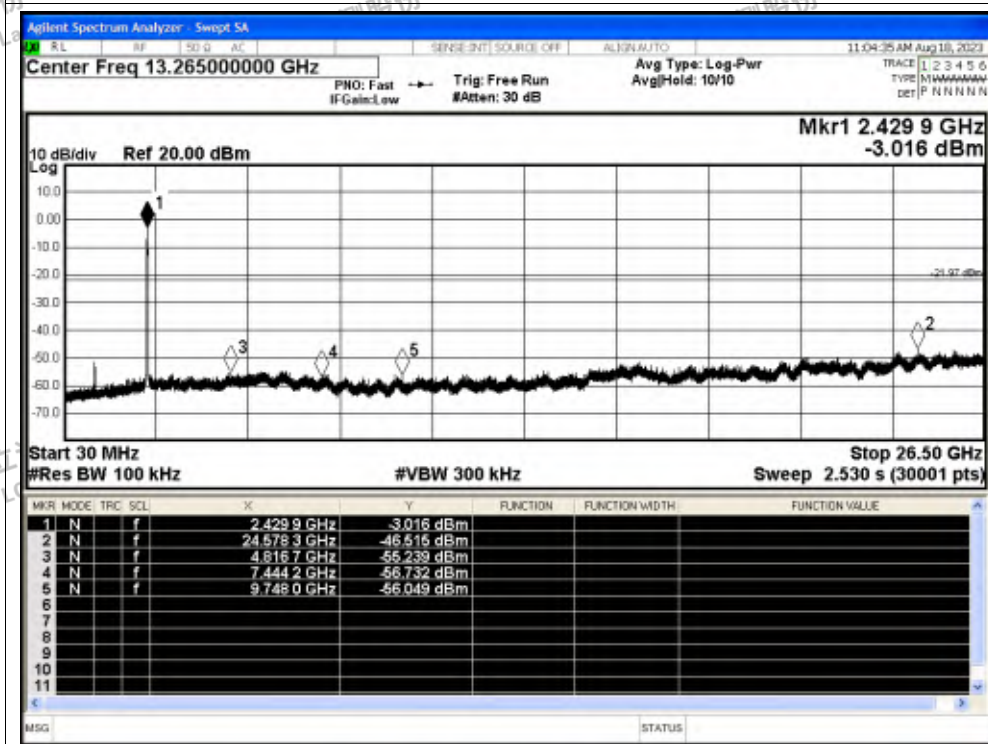




Tx. Spurious NVNT n40 2422MHz Ant1 Ref

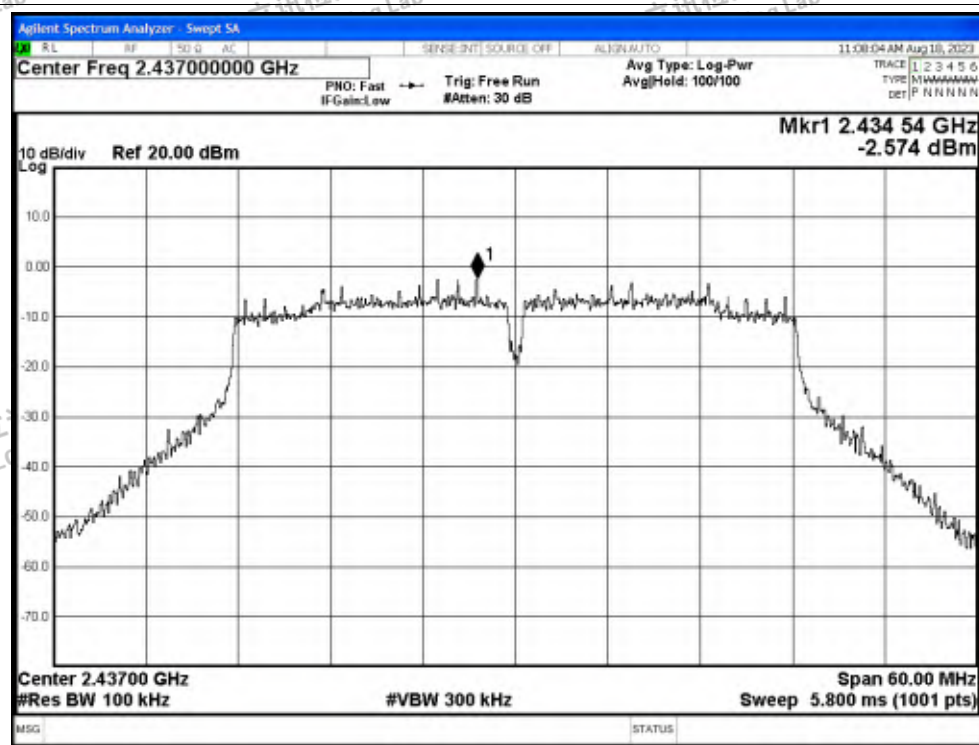


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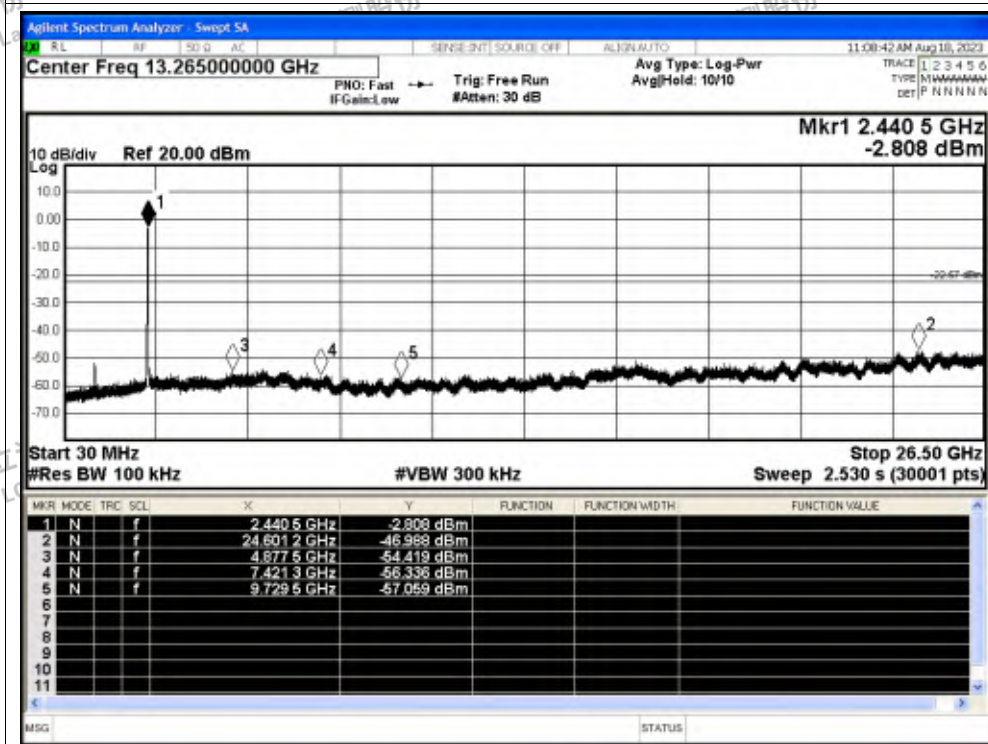




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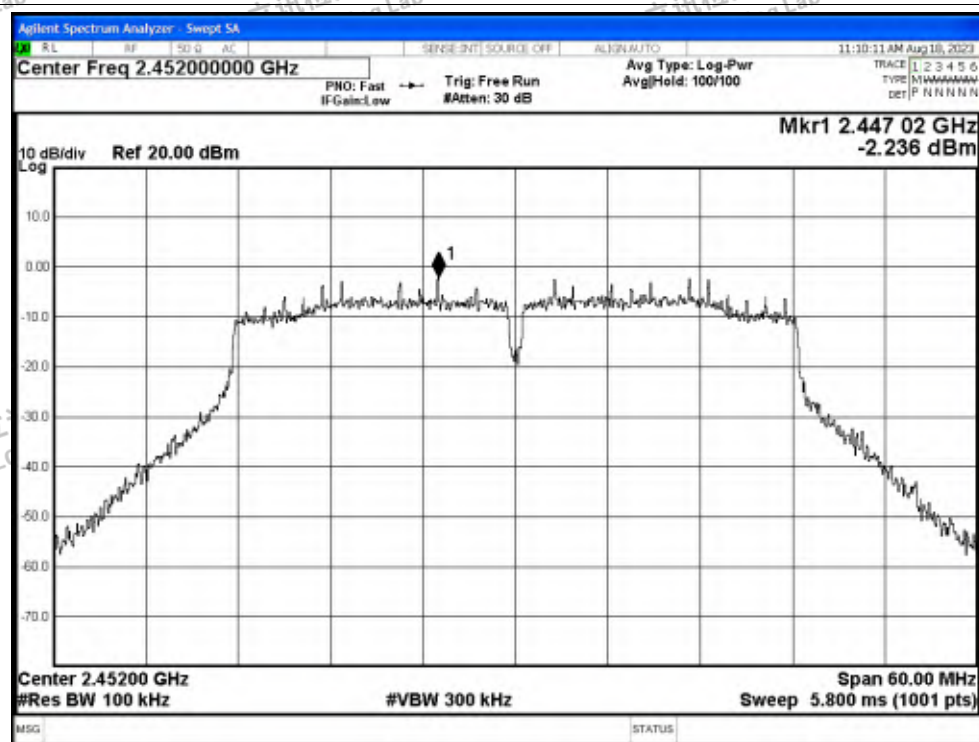


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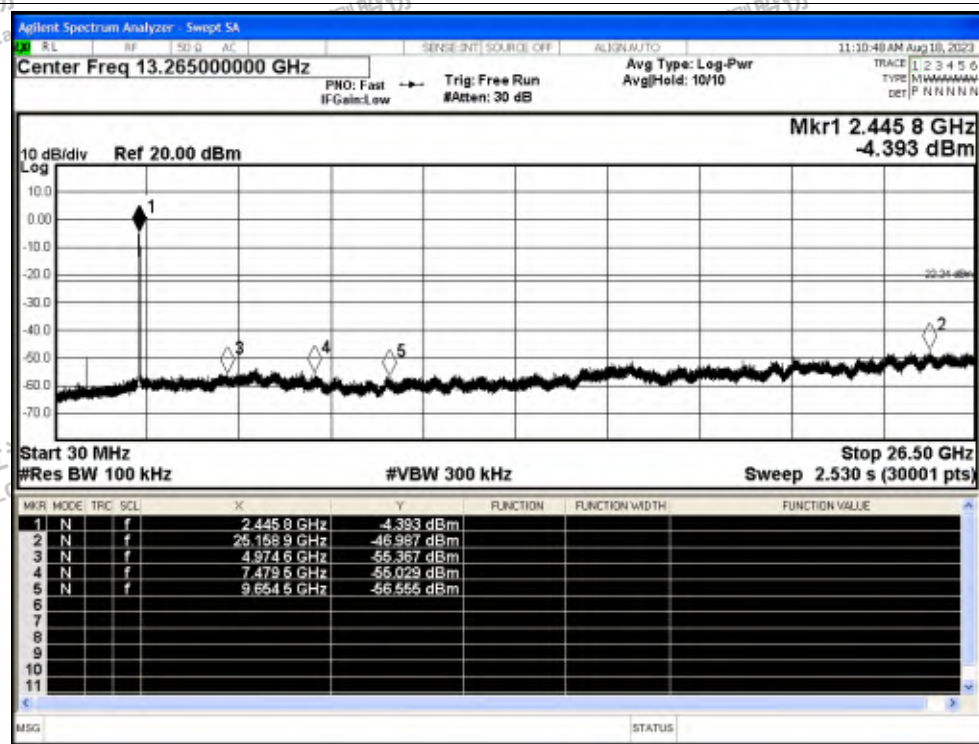




Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission





C.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant0	96.98	0.13	0.08
NVNT	b	2437	Ant0	96.99	0.13	0.08
NVNT	b	2462	Ant0	96.99	0.13	0.08
NVNT	g	2412	Ant0	96.69	0.15	0.49
NVNT	g	2437	Ant0	96.69	0.15	0.49
NVNT	g	2462	Ant0	96.69	0.15	0.49
NVNT	n20	2412	Ant0	96.56	0.15	0.52
NVNT	n20	2437	Ant0	96.56	0.15	0.52
NVNT	n20	2462	Ant0	96.56	0.15	0.52
NVNT	n40	2422	Ant0	95.51	0.2	1.07
NVNT	n40	2437	Ant0	95.51	0.2	1.07
NVNT	n40	2452	Ant0	95.71	0.19	1.07

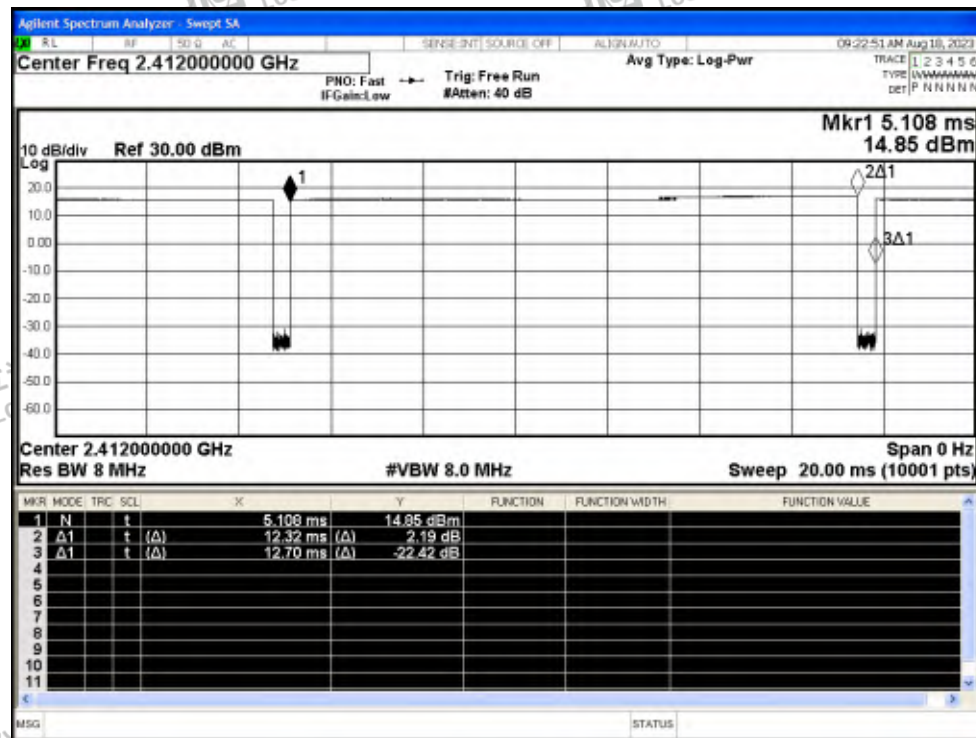


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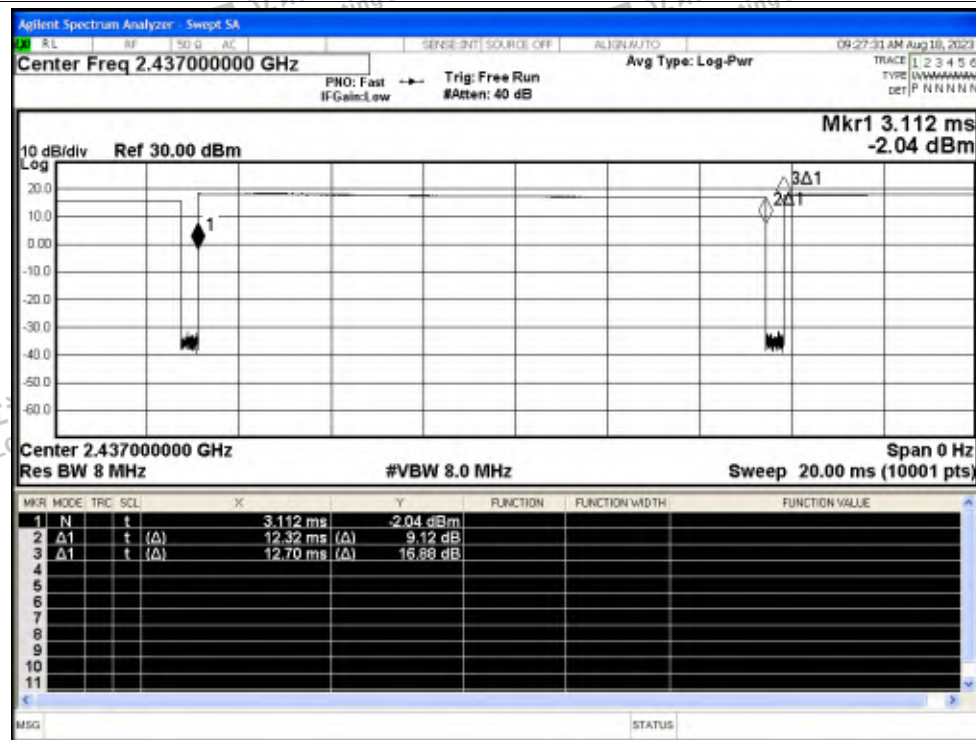


Test Graphs

Duty Cycle NVNT b 2412MHz Ant0



Duty Cycle NVNT b 2437MHz Ant0



Shenzhen LCS Compliance Testing Laboratory Ltd.

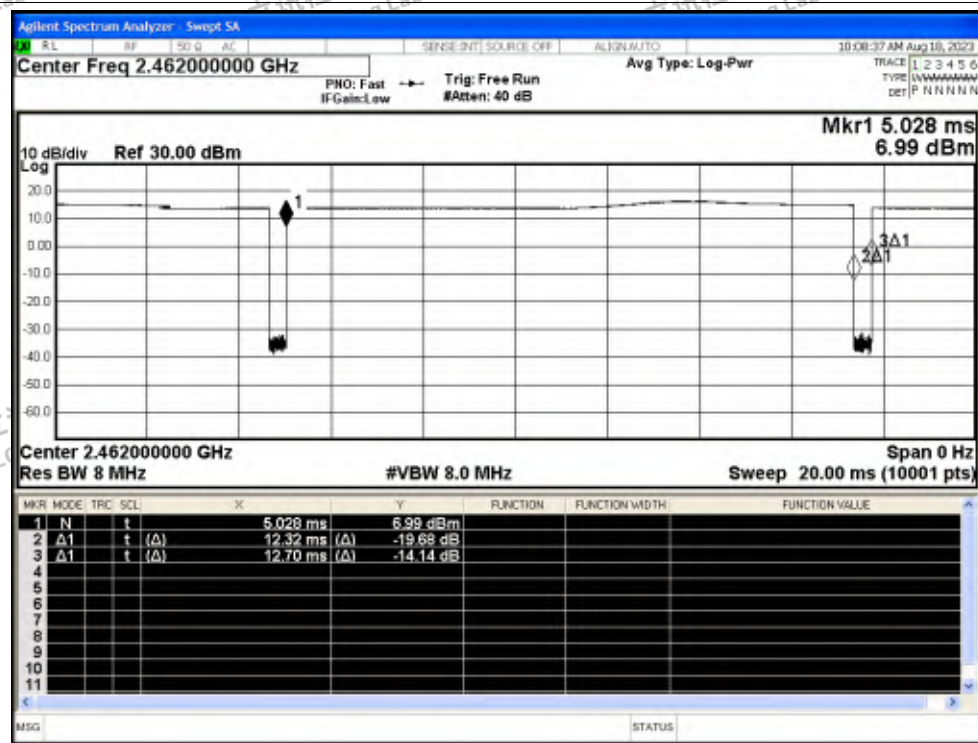
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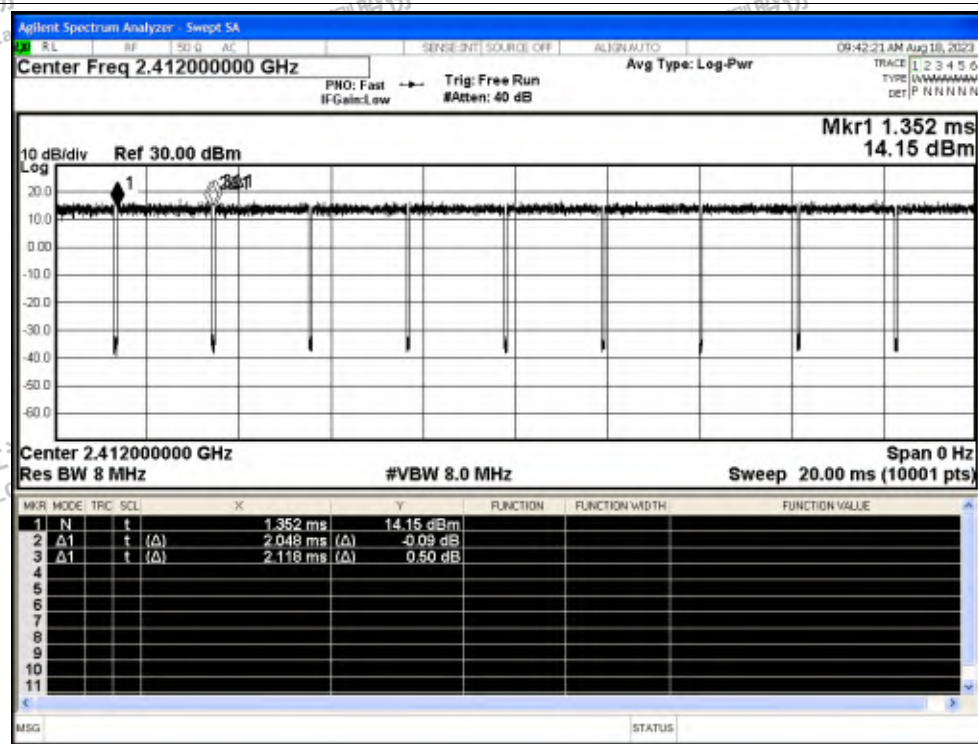
Scan code to check authenticity



Duty Cycle NVNT b 2462MHz Ant0

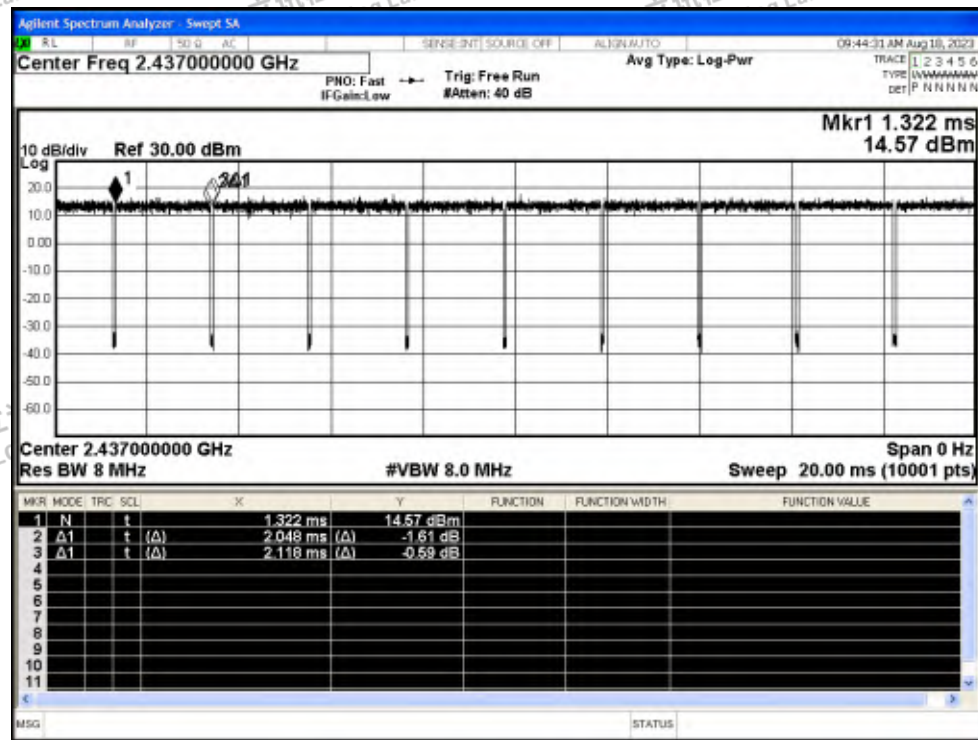


Duty Cycle NVNT g 2412MHz Ant0

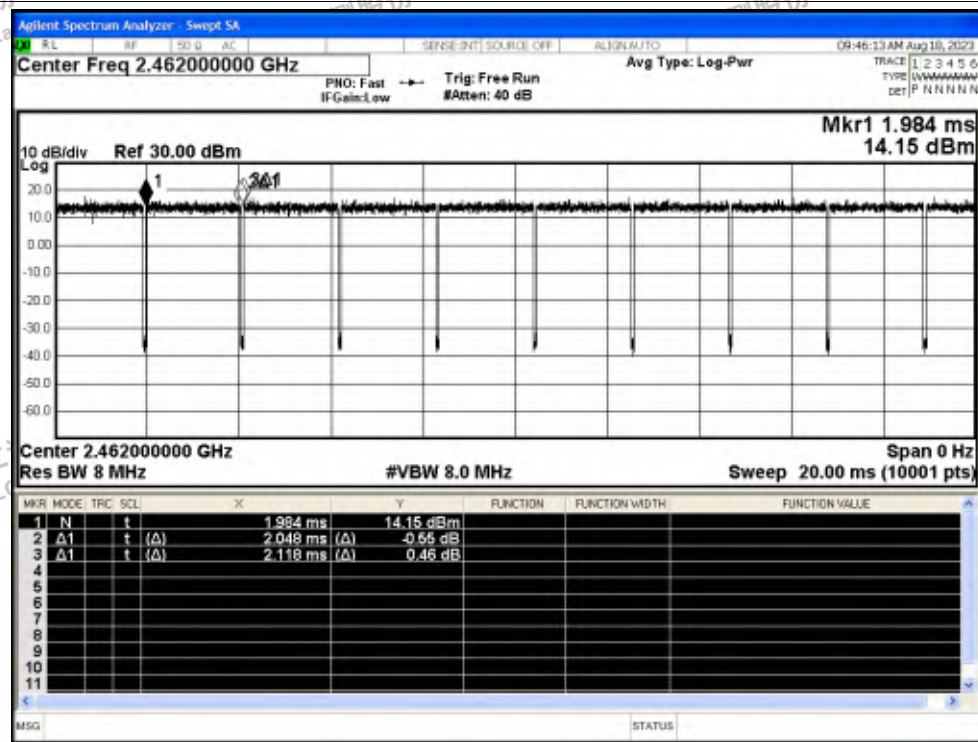




Duty Cycle NVNT g 2437MHz Ant0

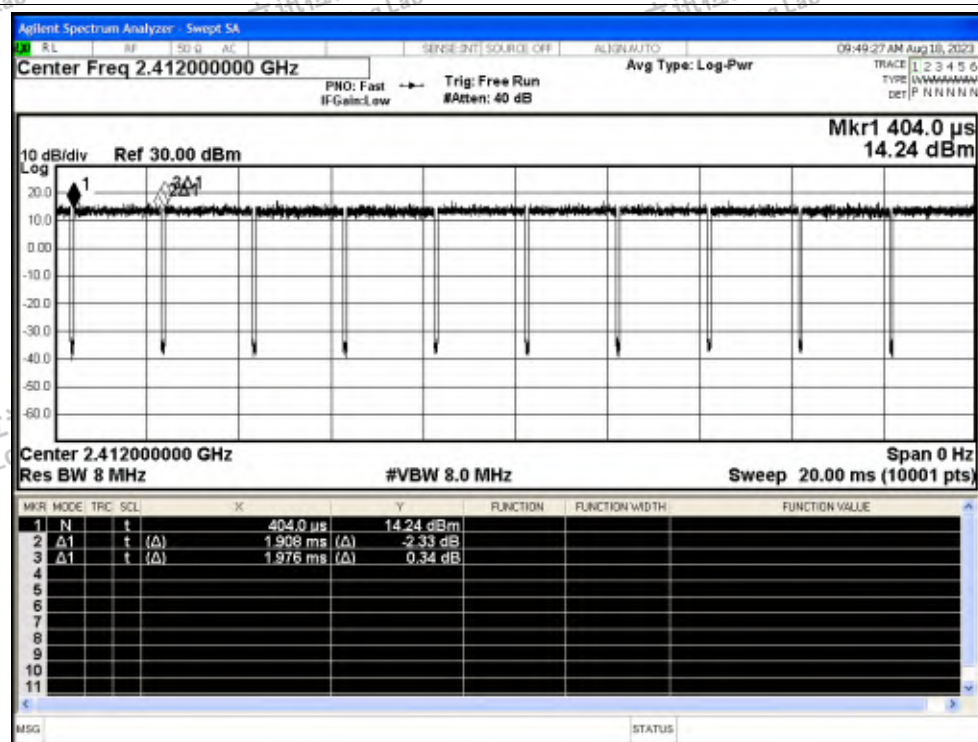


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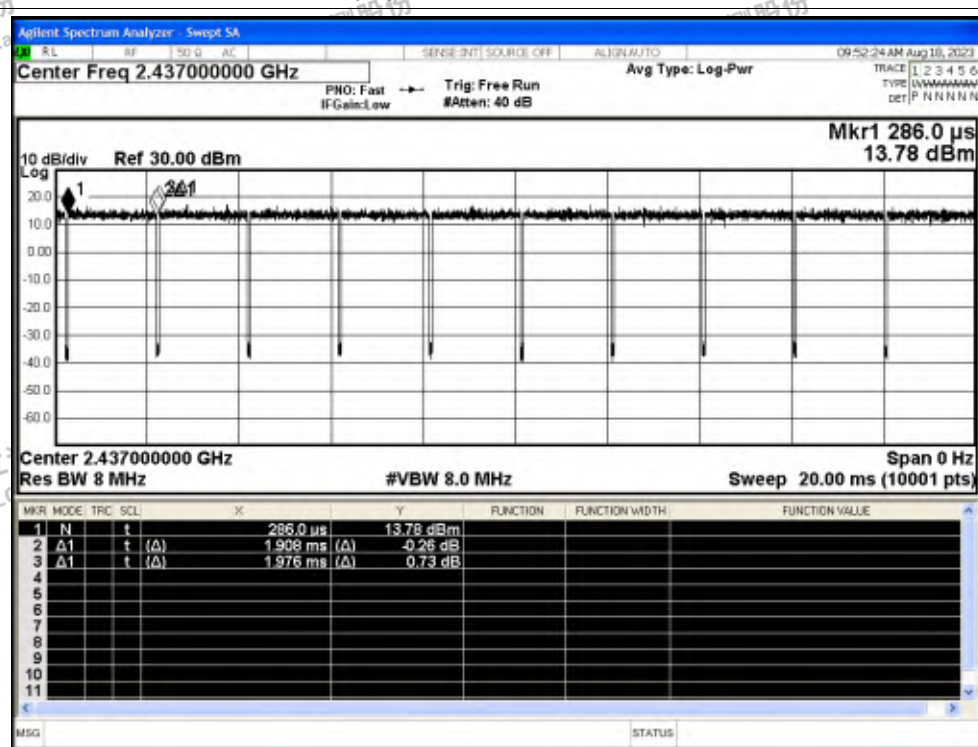




Duty Cycle NVNT n20 2412MHz Ant0

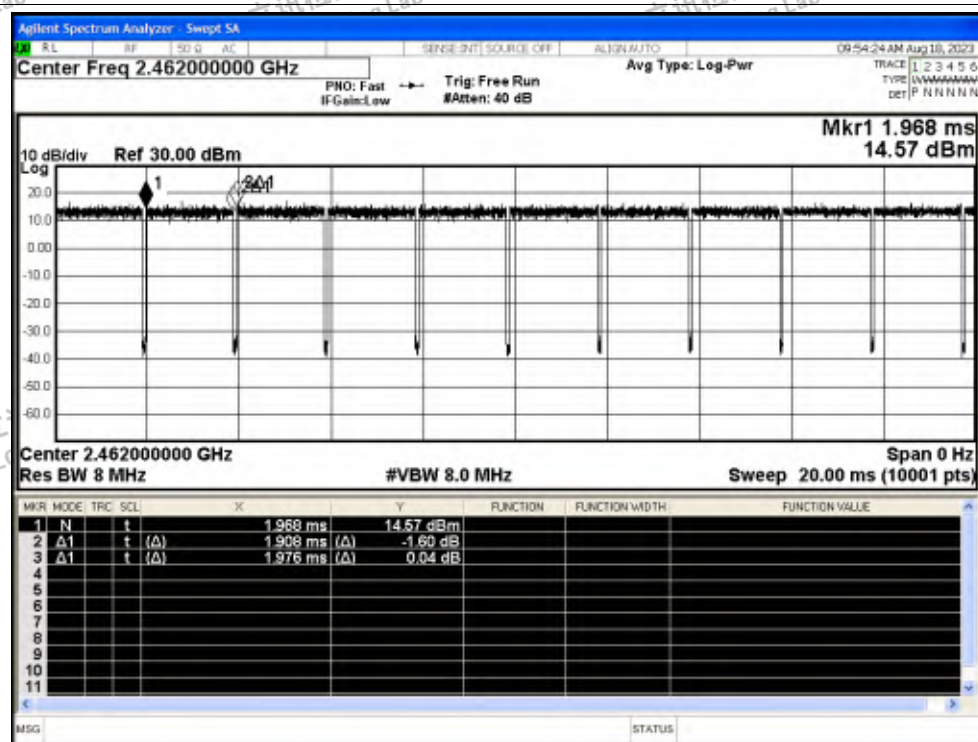


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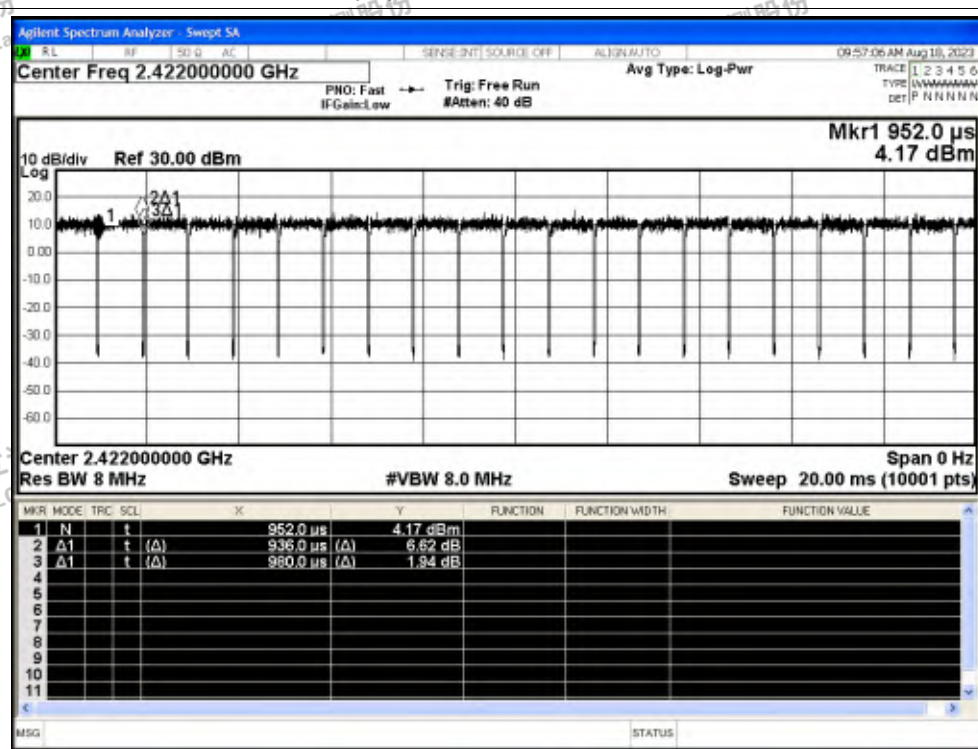




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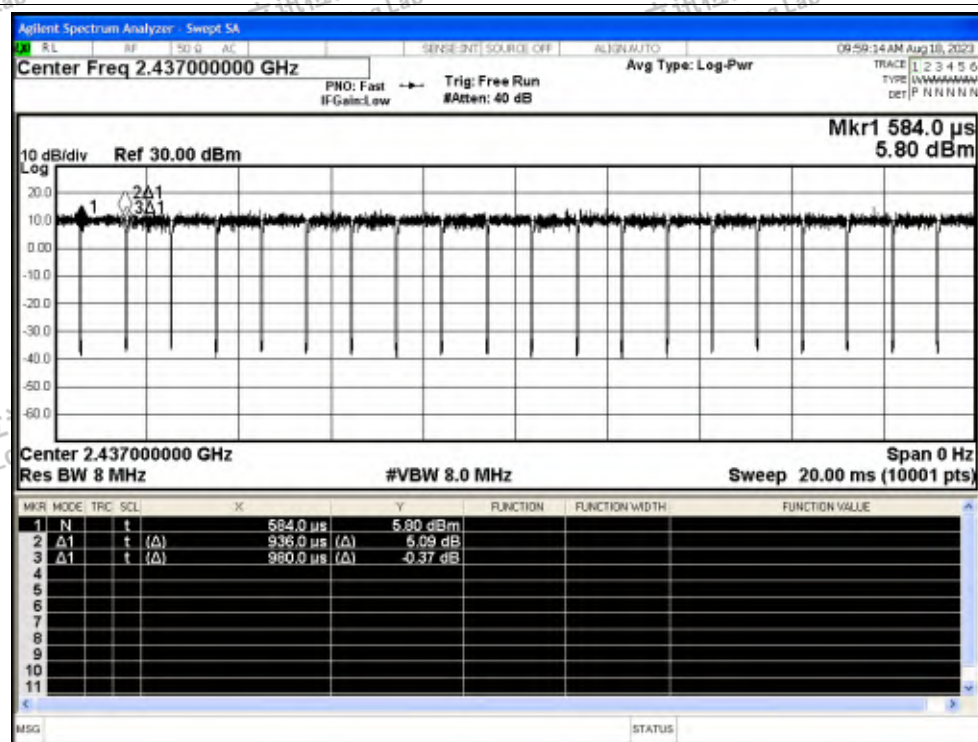


Duty Cycle NVNT n40 2422MHz Ant0

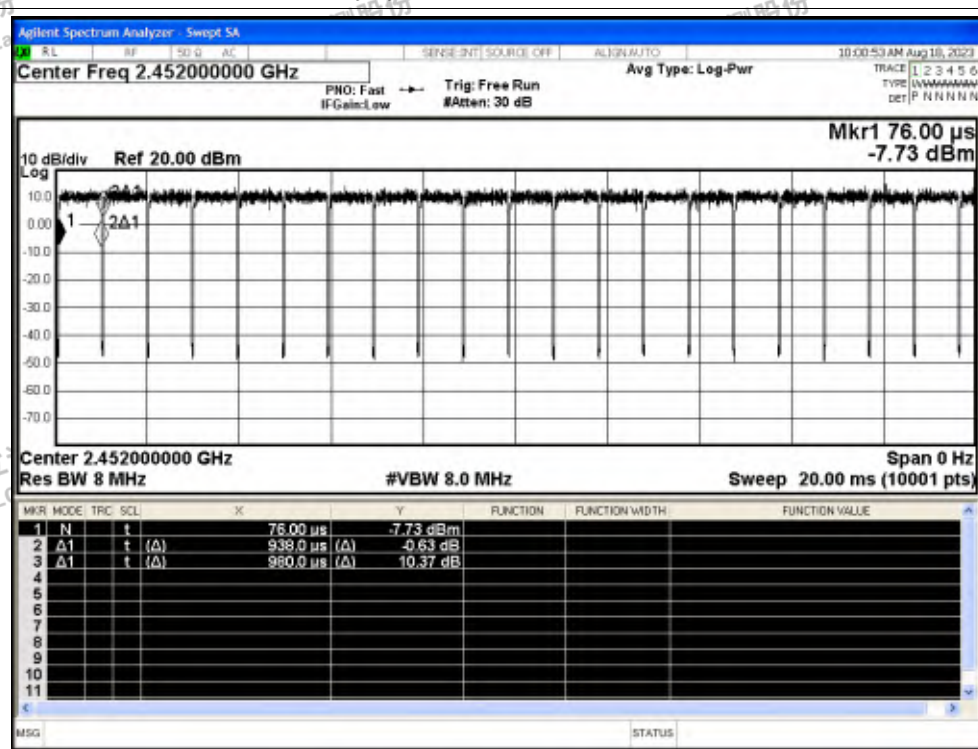




Duty Cycle NVNT n40 2437MHz Ant0



Duty Cycle NVNT n40 2452MHz Ant0





Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	96.98	0.13	0.08
NVNT	b	2437	Ant1	96.99	0.13	0.08
NVNT	b	2462	Ant1	96.99	0.13	0.08
NVNT	g	2412	Ant1	96.69	0.15	0.49
NVNT	g	2437	Ant1	96.7	0.15	0.49
NVNT	g	2462	Ant1	96.79	0.14	0.49
NVNT	n20	2412	Ant1	96.66	0.15	0.52
NVNT	n20	2437	Ant1	96.66	0.15	0.52
NVNT	n20	2462	Ant1	96.66	0.15	0.52
NVNT	n40	2422	Ant1	95.71	0.19	1.07
NVNT	n40	2437	Ant1	95.51	0.2	1.07
NVNT	n40	2452	Ant1	95.71	0.19	1.07

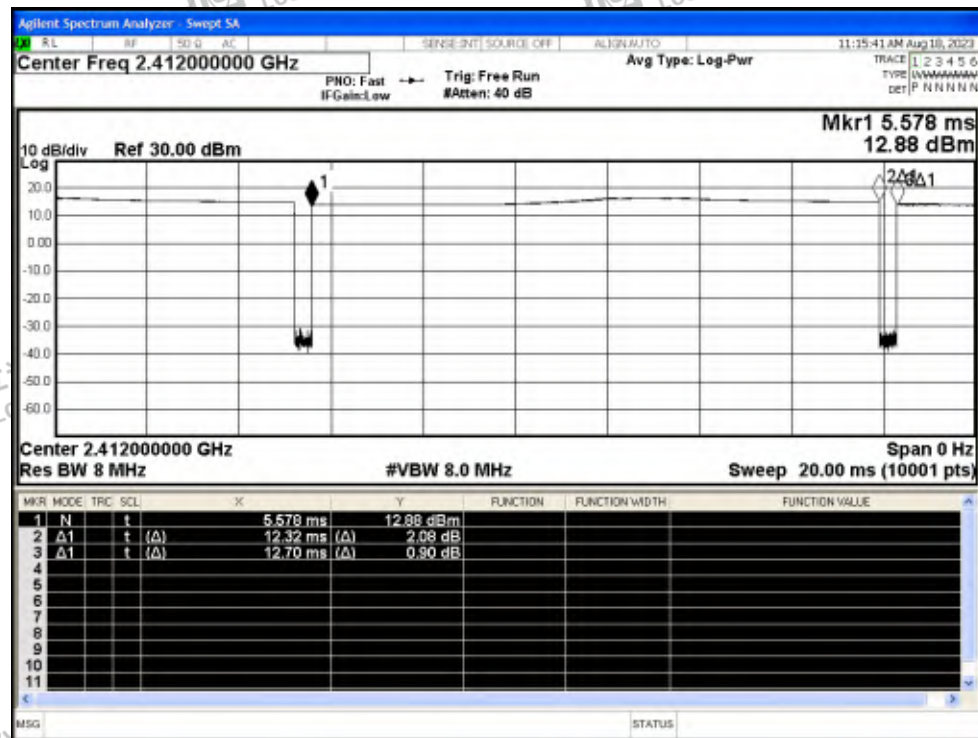


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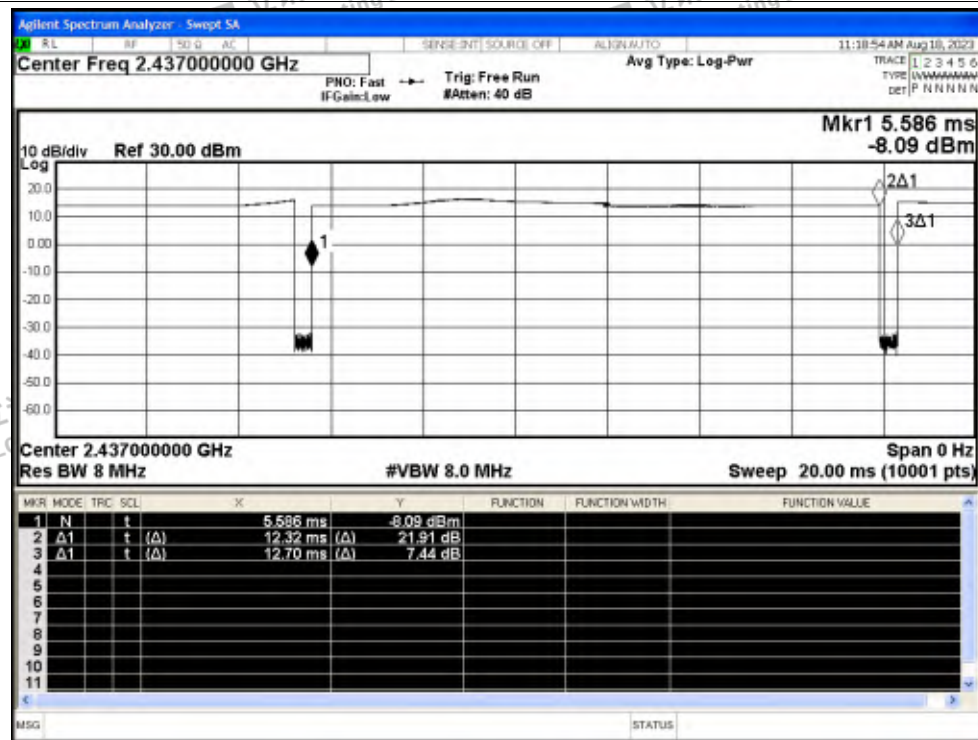


Test Graphs

Duty Cycle NVNT b 2412MHz Ant1

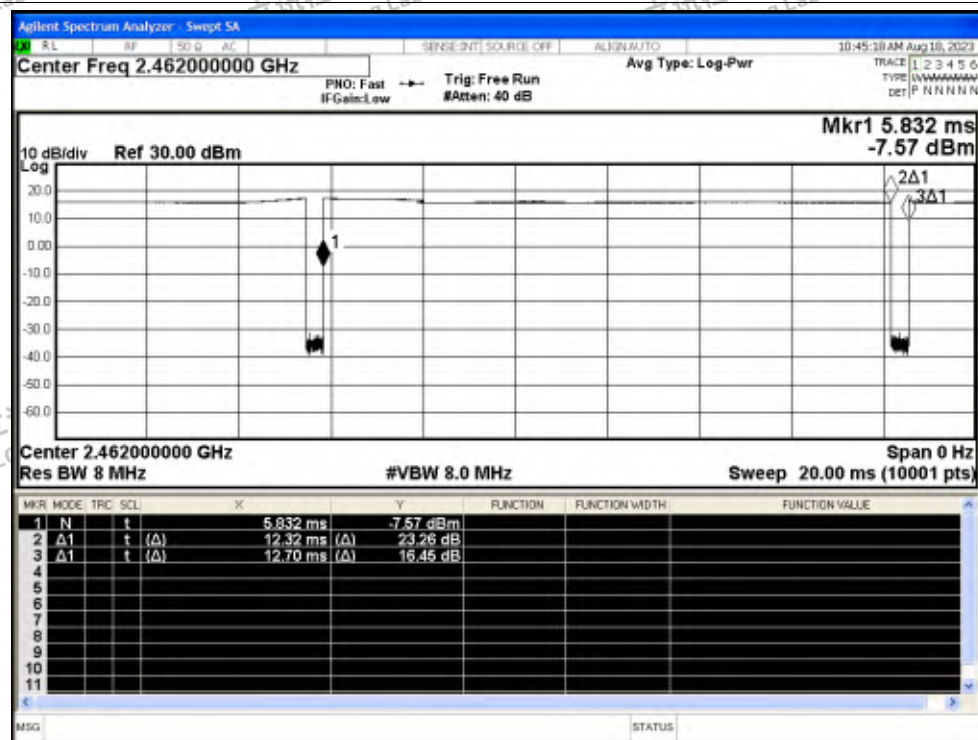


Duty Cycle NVNT b 2437MHz Ant1

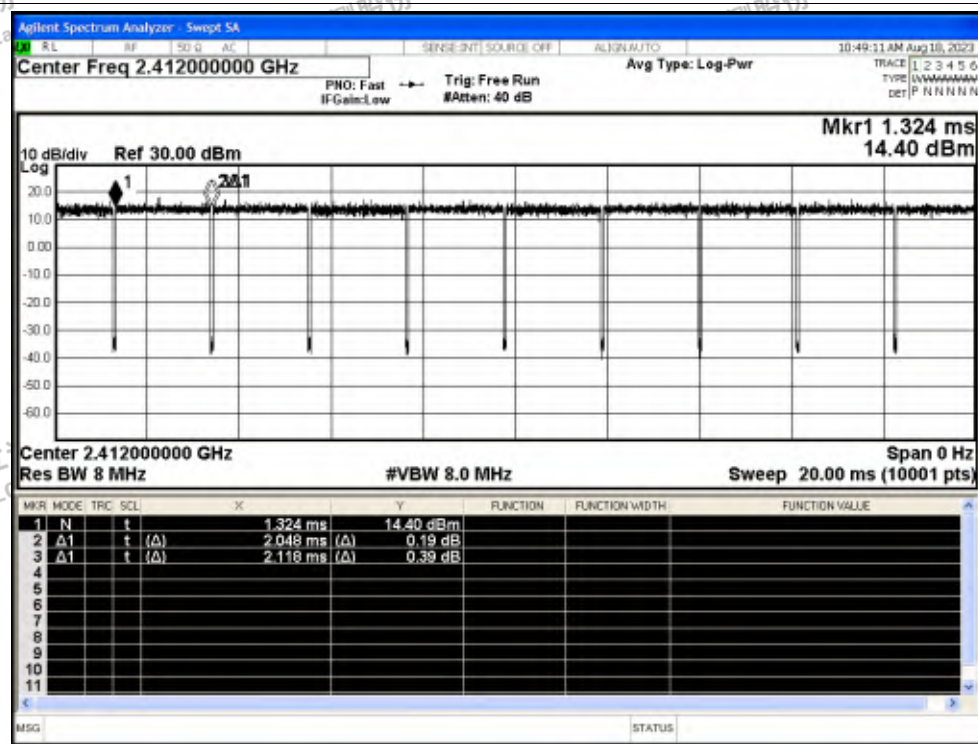




Duty Cycle NVNT b 2462MHz Ant1

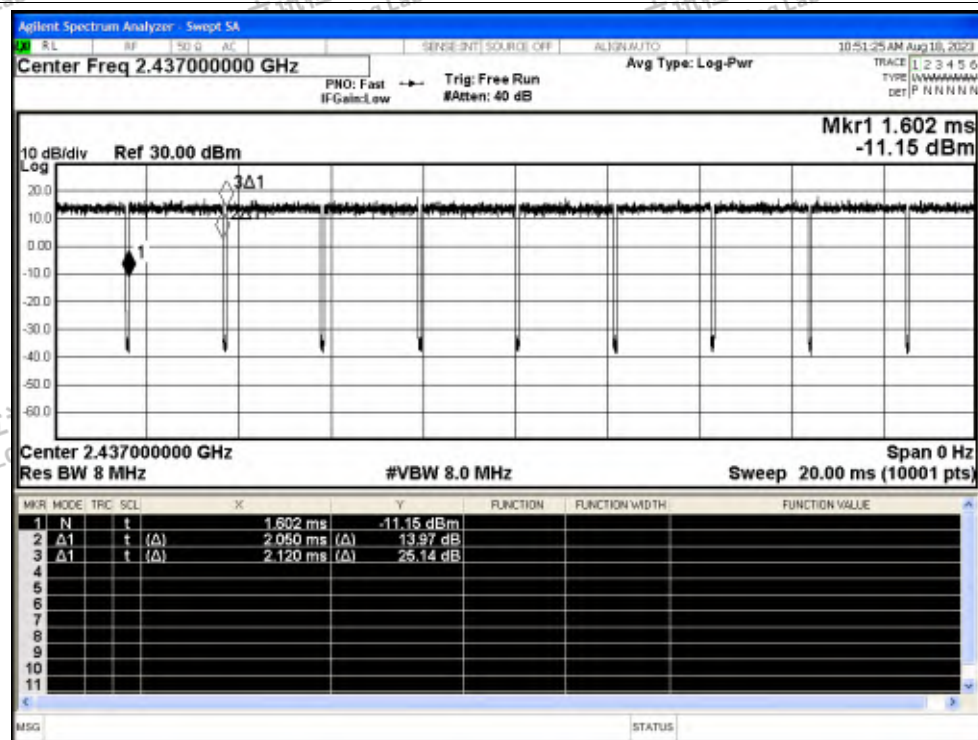


Duty Cycle NVNT g 2412MHz Ant1

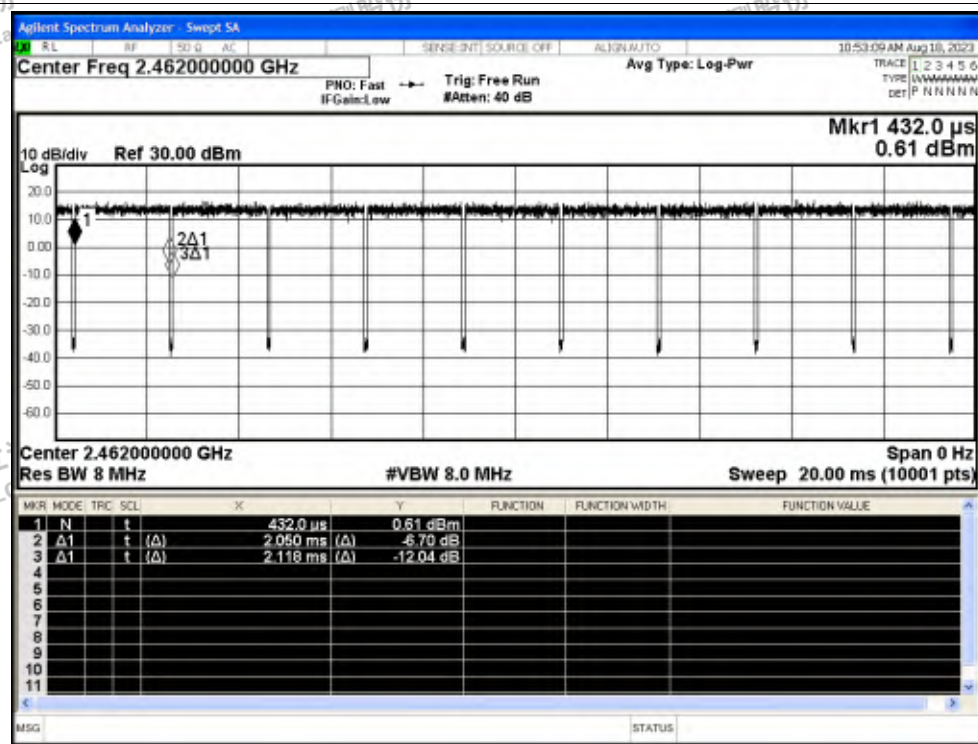




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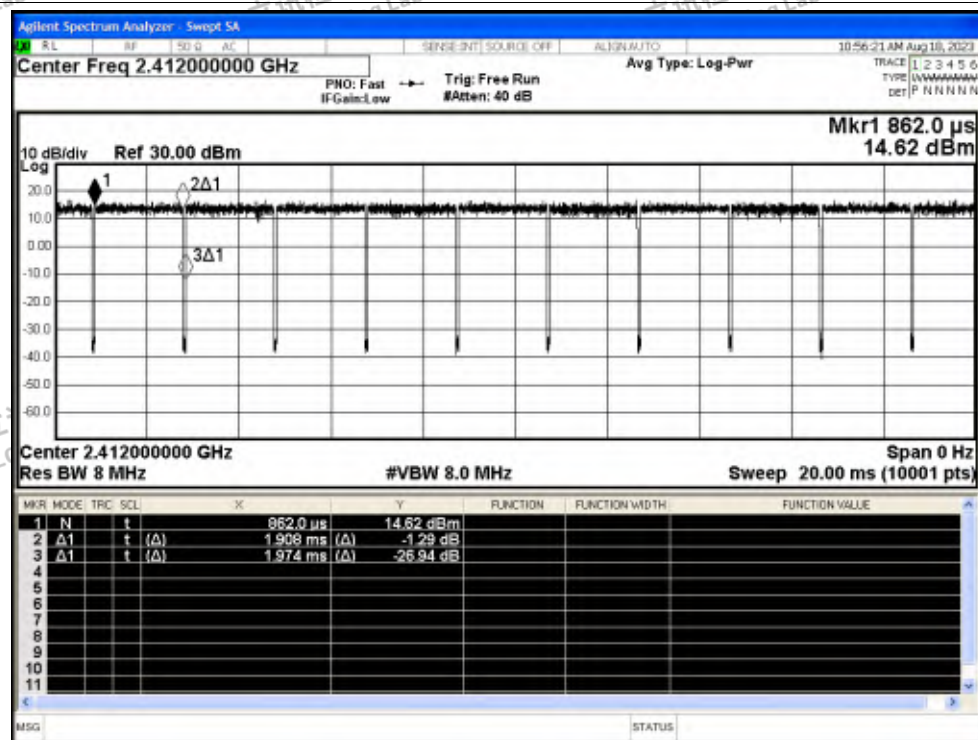


Duty Cycle NVNT g 2462MHz Ant1

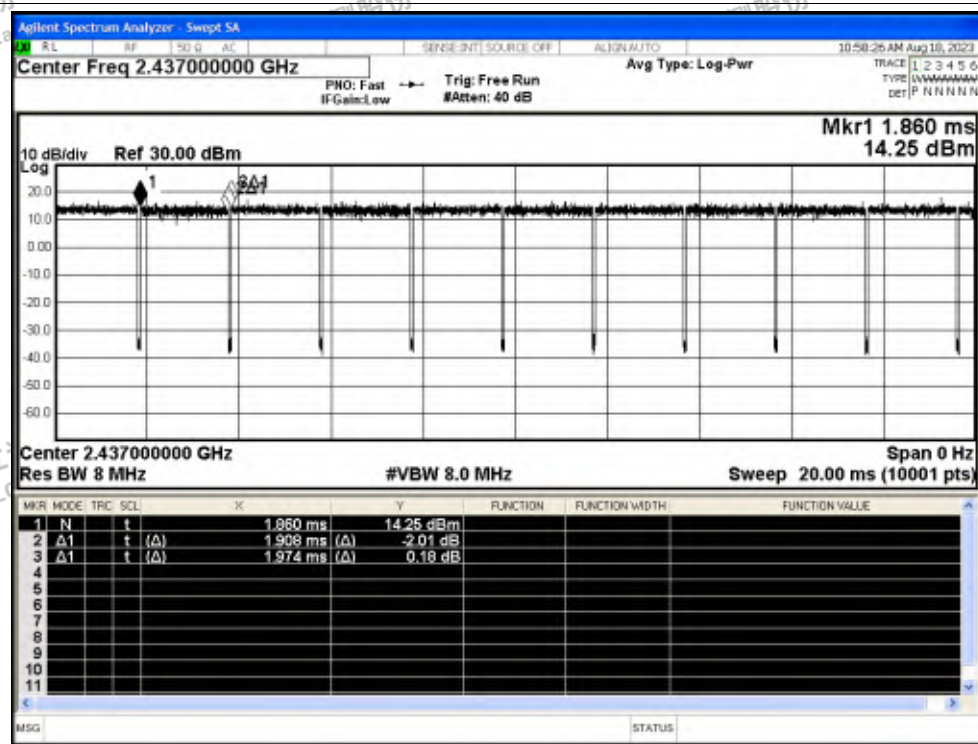




Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



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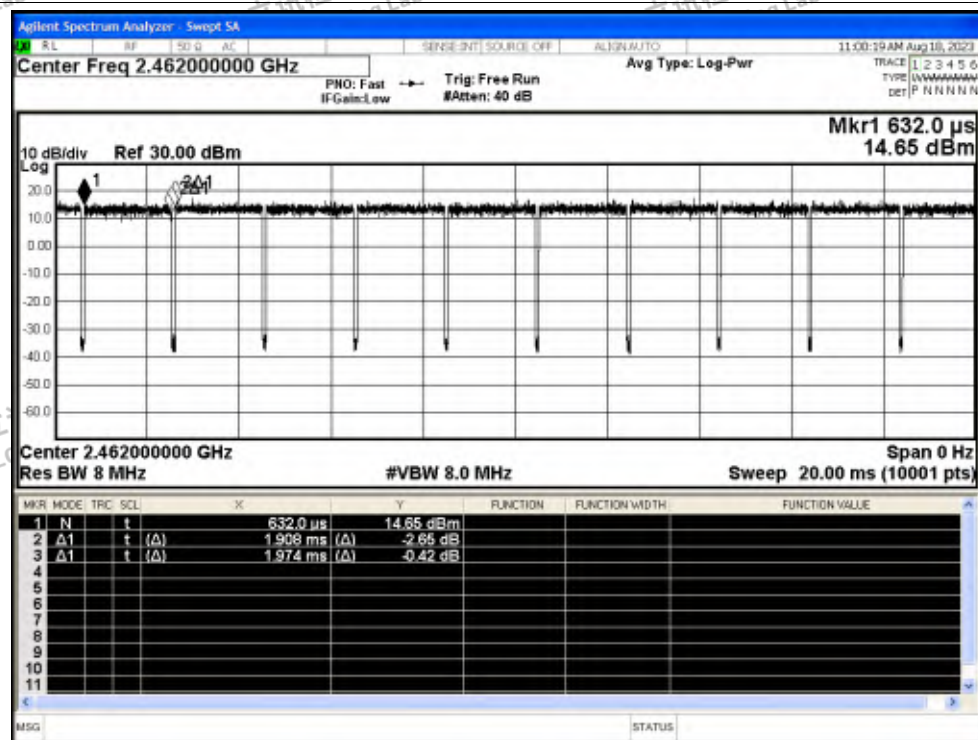
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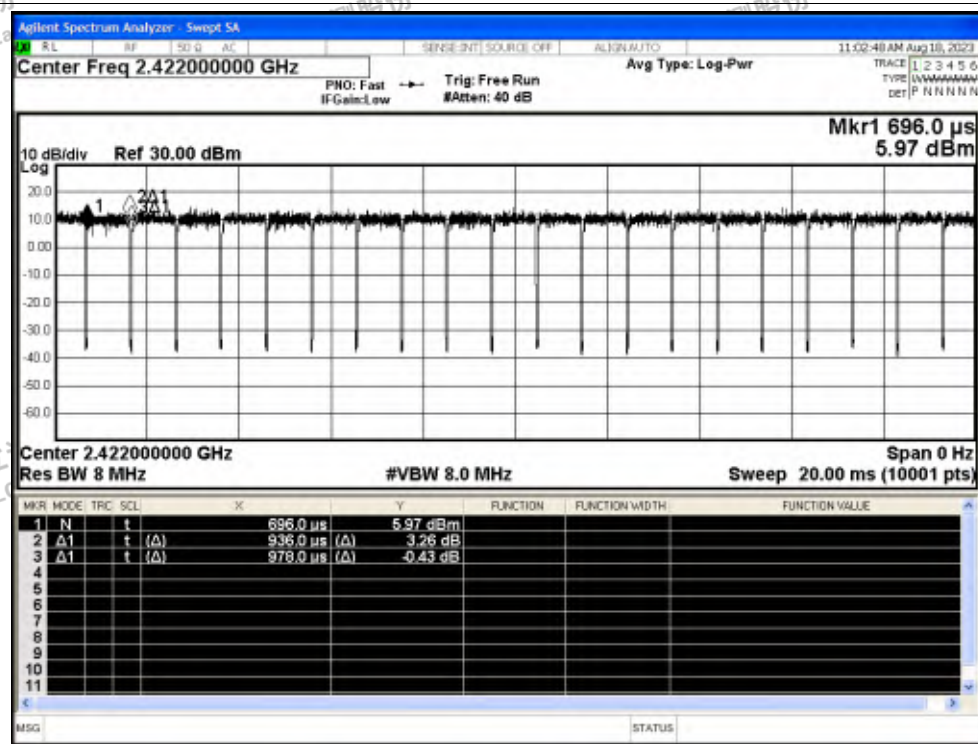
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Duty Cycle NVNT n20 2462MHz Ant1

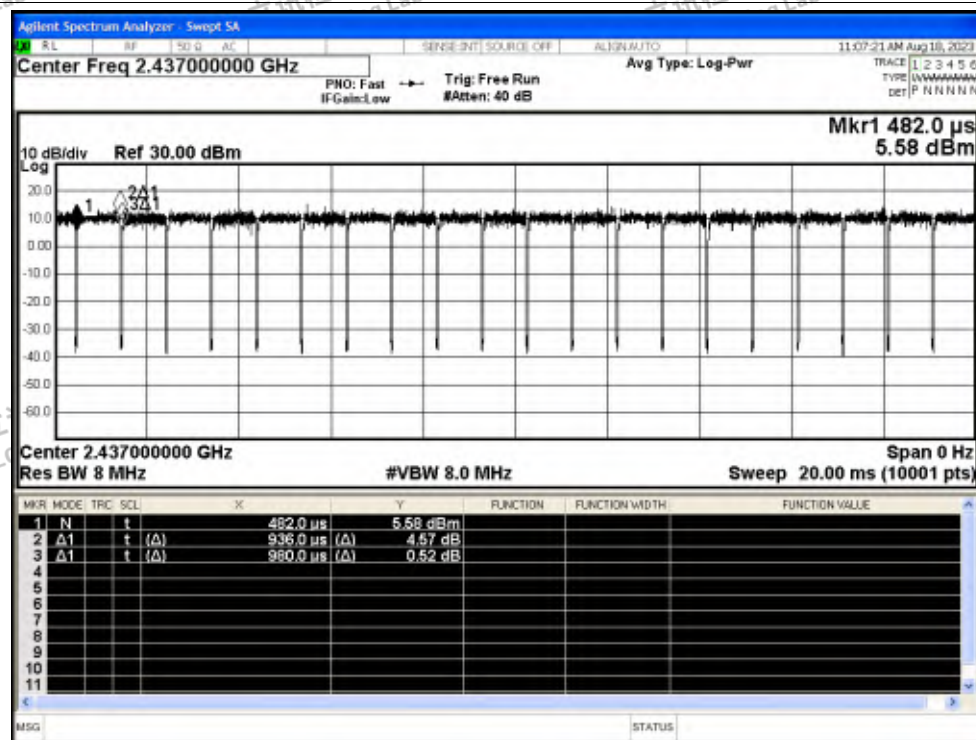


Duty Cycle NVNT n40 2422MHz Ant1

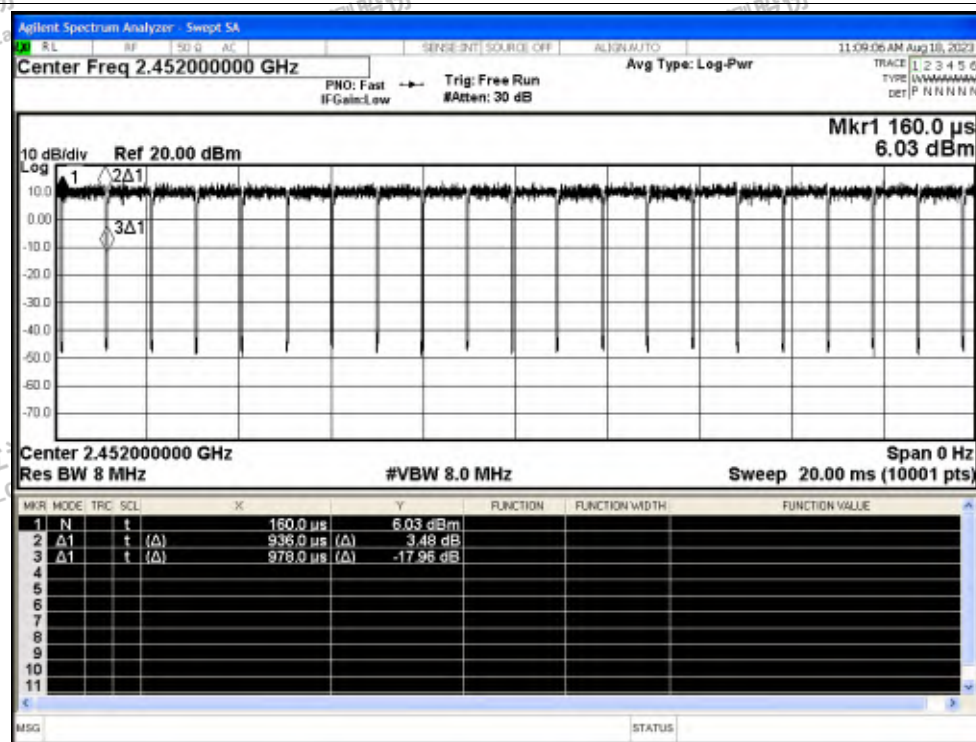




Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1





C.7 Restrict Band

Condition	Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b-Ant1	2412	2310	-52.63	3.46	44.63	Peak	74	Pass
NVNT	b-Ant1	2412	2310	-61.95	3.46	35.31	Average	54	Pass
NVNT	b-Ant1	2412	2389.794	-46.4	3.46	50.86	Peak	74	Pass
NVNT	b-Ant1	2412	2389.56	-58.47	3.46	38.79	Average	54	Pass
NVNT	b-Ant1	2412	2390	-49.93	3.46	47.33	Peak	74	Pass
NVNT	b-Ant1	2412	2390	-58.69	3.46	38.57	Average	54	Pass
NVNT	b-Ant1	2462	2483.5	-50.72	3.46	46.54	Peak	74	Pass
NVNT	b-Ant1	2462	2483.5	-60.17	3.46	37.09	Average	54	Pass
NVNT	b-Ant1	2462	2483.782	-43.38	3.46	53.88	Peak	74	Pass
NVNT	b-Ant1	2462	2498.94	-58.29	3.46	38.97	Average	54	Pass
NVNT	b-Ant1	2462	2500	-49.5	3.46	47.76	Peak	74	Pass
NVNT	b-Ant1	2462	2500	-59.18	3.46	38.08	Average	54	Pass
NVNT	g-Ant1	2412	2310	-51.83	3.46	45.43	Peak	74	Pass
NVNT	g-Ant1	2412	2310	-61.47	3.46	35.79	Average	54	Pass
NVNT	g-Ant1	2412	2384.763	-41.89	3.46	55.37	Peak	74	Pass
NVNT	g-Ant1	2412	2389.911	-58.87	3.46	38.39	Average	54	Pass
NVNT	g-Ant1	2412	2390	-47.78	3.46	49.48	Peak	74	Pass
NVNT	g-Ant1	2412	2390	-58.88	3.46	38.38	Average	54	Pass
NVNT	g-Ant1	2462	2483.5	-49.06	3.46	48.2	Peak	74	Pass
NVNT	g-Ant1	2462	2483.5	-58.49	3.46	38.77	Average	54	Pass
NVNT	g-Ant1	2462	2489.877	-46.06	3.46	51.2	Peak	74	Pass
NVNT	g-Ant1	2462	2483.676	-58.38	3.46	38.88	Average	54	Pass
NVNT	g-Ant1	2462	2500	-50.48	3.46	46.78	Peak	74	Pass
NVNT	g-Ant1	2462	2500	-59.83	3.46	37.43	Average	54	Pass
NVNT	n20-mimo	2412	2310	-50.98	6.47	50.72	Peak	74	Pass
NVNT	n20-mimo	2412	2310	-61.49	6.47	40.21	Average	54	Pass
NVNT	n20-mimo	2412	2373.999	-43.46	6.47	58.24	Peak	74	Pass
NVNT	n20-mimo	2412	2389.911	-58.61	6.47	43.09	Average	54	Pass
NVNT	n20-mimo	2412	2390	-48.49	6.47	53.21	Peak	74	Pass
NVNT	n20-mimo	2412	2390	-58.66	6.47	43.04	Average	54	Pass
NVNT	n20-mimo	2462	2483.5	-46.71	6.47	54.99	Peak	74	Pass
NVNT	n20-mimo	2462	2483.5	-58.38	6.47	43.32	Average	54	Pass
NVNT	n20-mimo	2462	2484.365	-46.37	6.47	55.33	Peak	74	Pass
NVNT	n20-mimo	2462	2483.57	-58.35	6.47	43.35	Average	54	Pass
NVNT	n20-mimo	2462	2500	-50.83	6.47	50.87	Peak	74	Pass
NVNT	n20-mimo	2462	2500	-59.95	6.47	41.75	Average	54	Pass
NVNT	n40-mimo	2422	2310	-51.09	6.47	50.61	Peak	74	Pass



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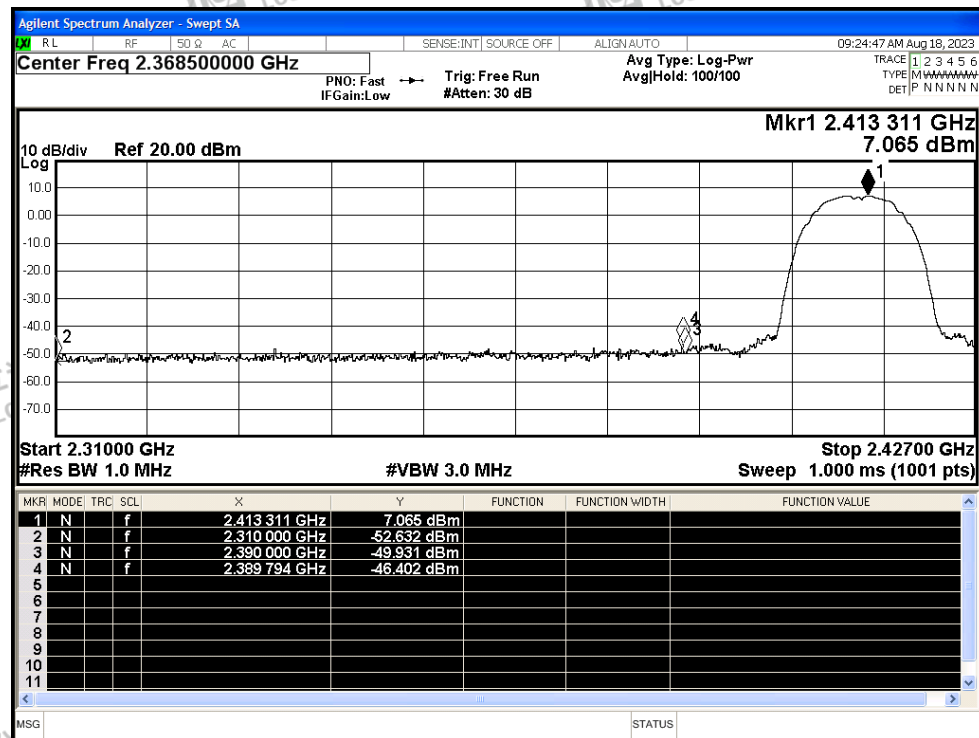
NVNT	n40-mimo	2422	2310	-61.23	6.47	40.47	Average	54	Pass
NVNT	n40-mimo	2422	2389.946	-45.43	6.47	56.27	Peak	74	Pass
NVNT	n40-mimo	2422	2389.804	-56.16	6.47	45.54	Average	54	Pass
NVNT	n40-mimo	2422	2390	-45.43	6.47	56.27	Peak	74	Pass
NVNT	n40-mimo	2422	2390	-56.3	6.47	45.4	Average	54	Pass
NVNT	n40-mimo	2452	2483.5	-43.31	6.47	58.39	Peak	74	Pass
NVNT	n40-mimo	2452	2483.5	-55.78	6.47	45.92	Average	54	Pass
NVNT	n40-mimo	2452	2486.038	-42.81	6.47	58.89	Peak	74	Pass
NVNT	n40-mimo	2452	2483.698	-55.66	6.47	46.04	Average	54	Pass
NVNT	n40-mimo	2452	2500	-48.22	6.47	53.48	Peak	74	Pass
NVNT	n40-mimo	2452	2500	-58.34	6.47	43.36	Average	54	Pass



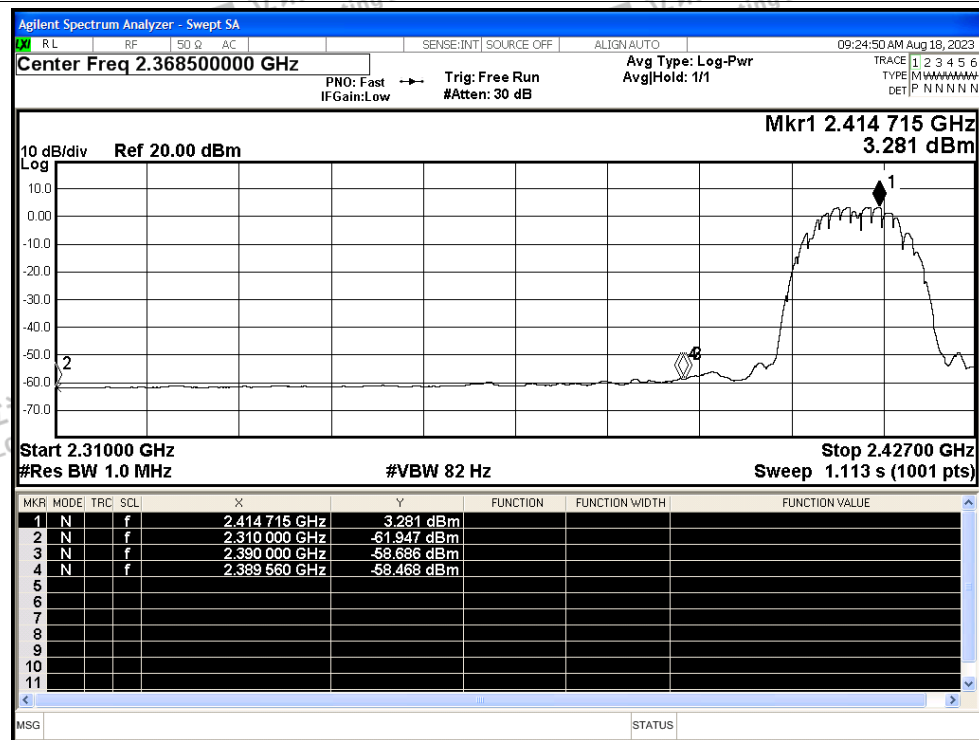


Test Graphs

Restrict Band NVNT b 2412MHz Ant1 Peak



Restrict Band NVNT b 2412MHz Ant1 Average



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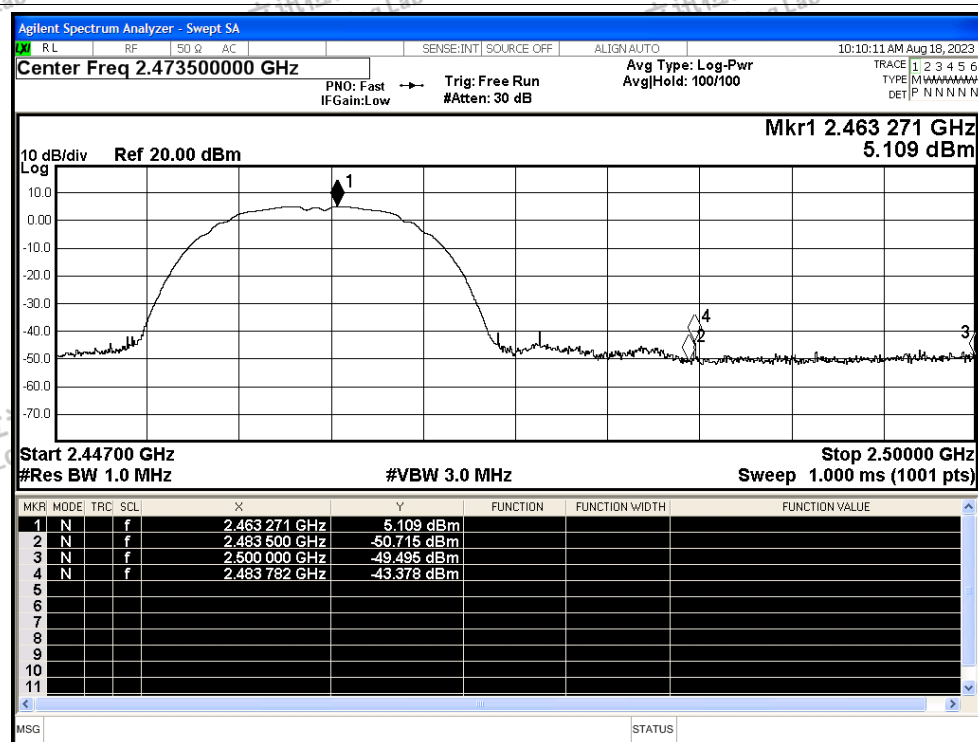
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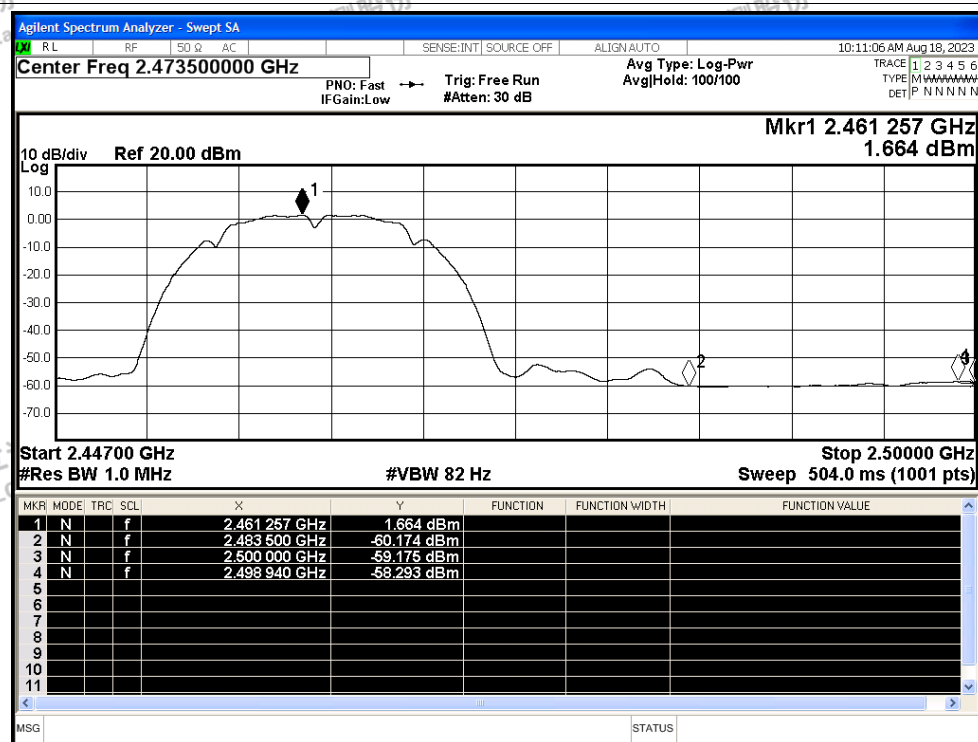
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Restrict Band NVNT b 2462MHz Ant1 Peak



Restrict Band NVNT b 2462MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

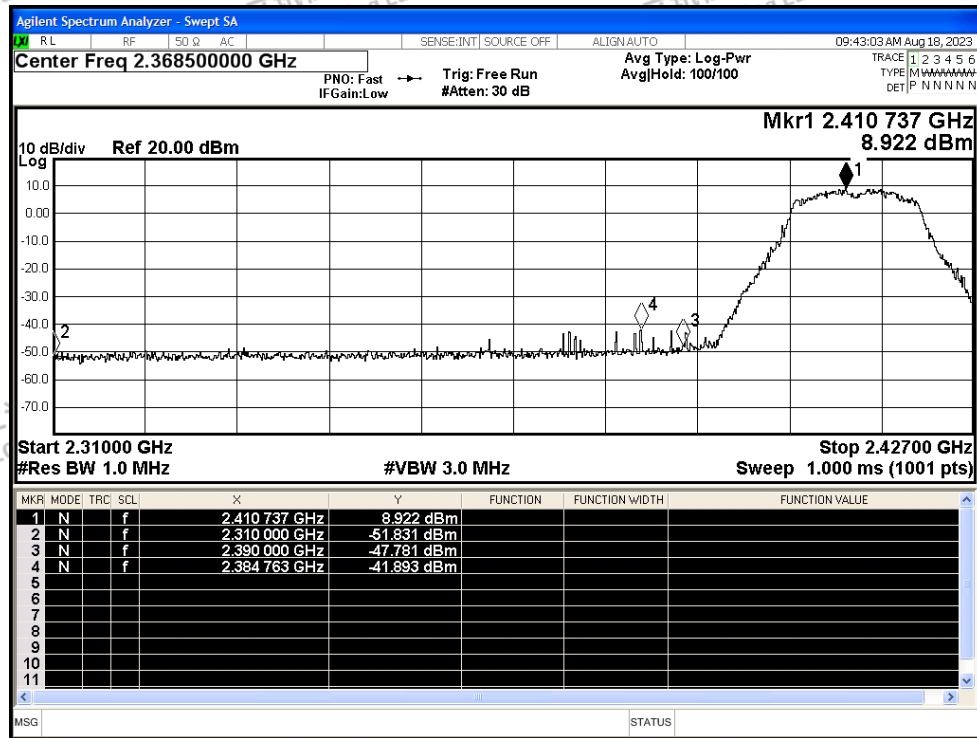
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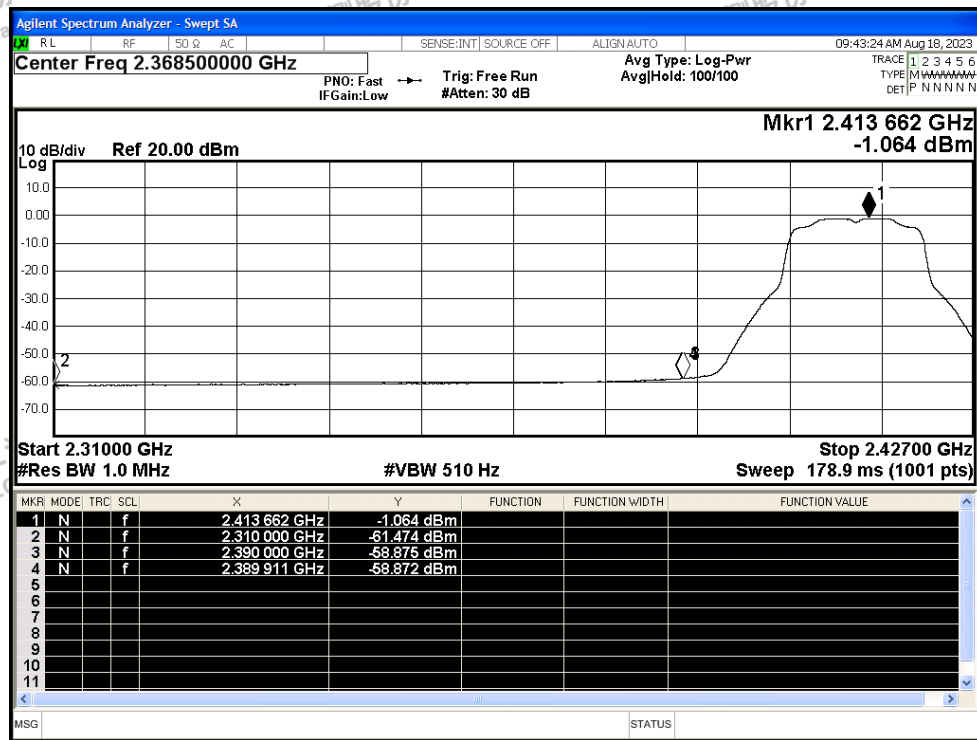
Scan code to check authenticity



Restrict Band NVNT g 2412MHz Ant1 Peak



Restrict Band NVNT g 2412MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

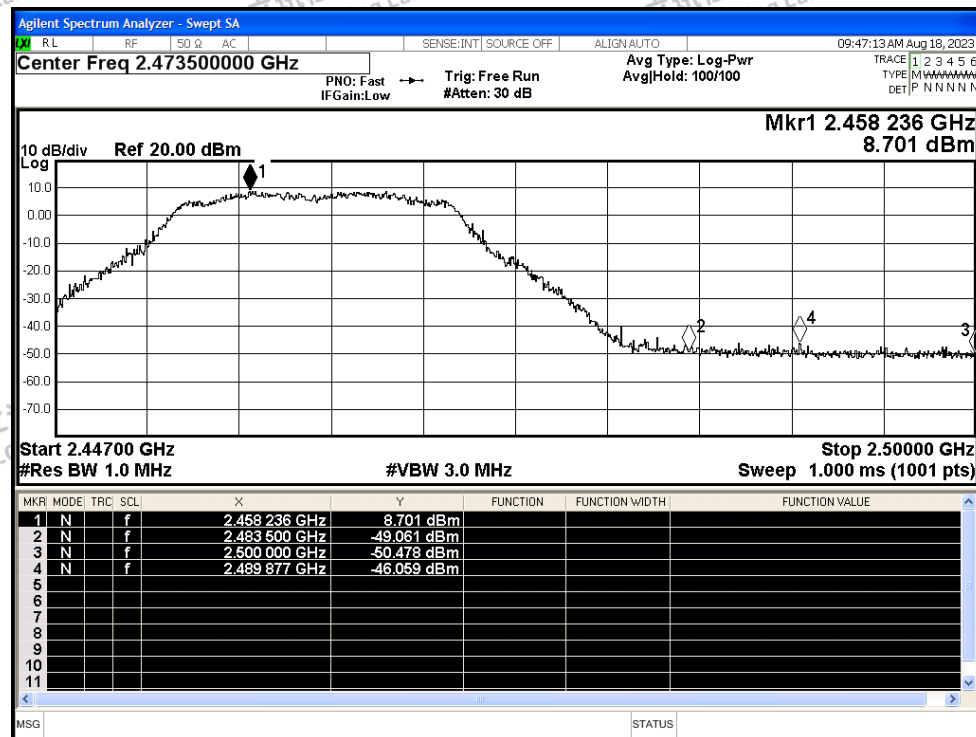
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

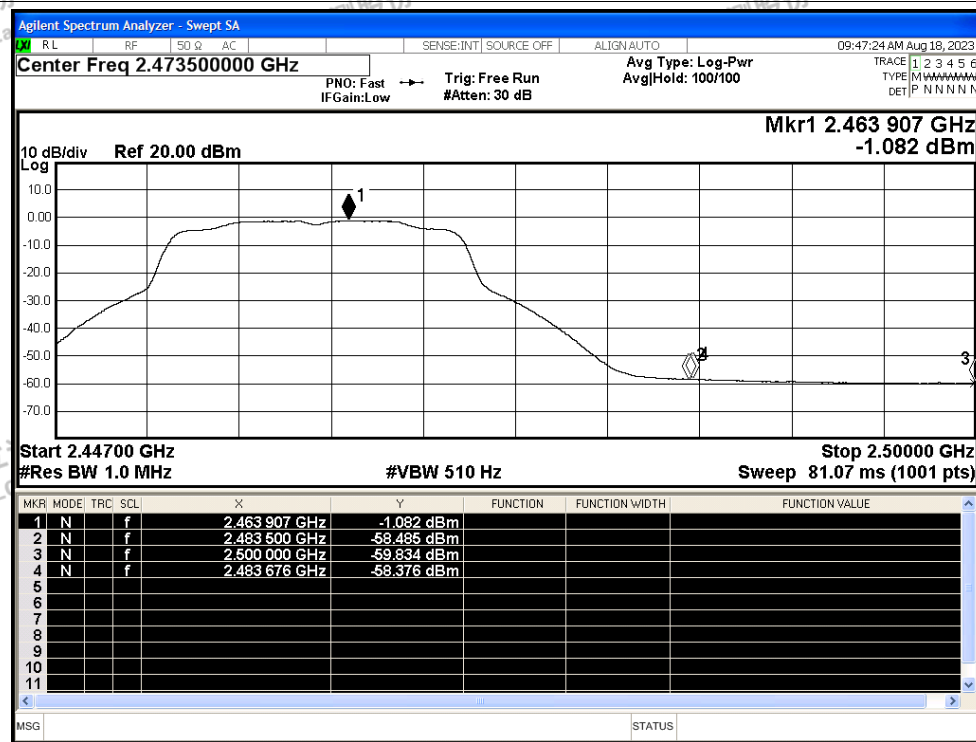
Scan code to check authenticity



Restrict Band NVNT g 2462MHz Ant1 Peak



Restrict Band NVNT g 2462MHz Ant1 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

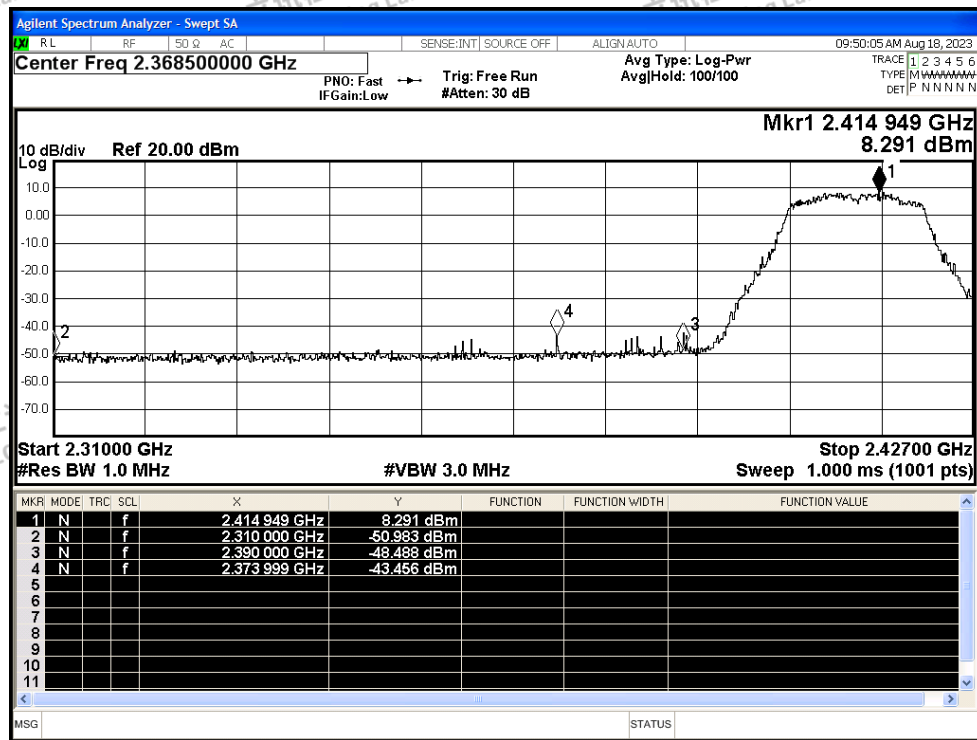
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

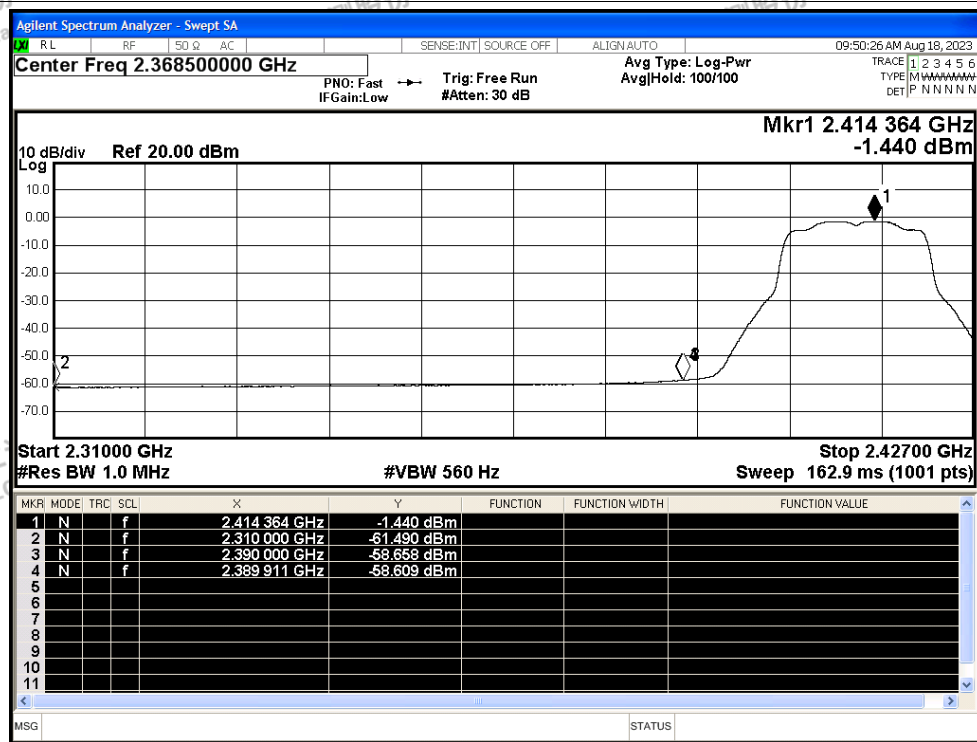
Scan code to check authenticity



Restrict Band NVNT n20 2412MHz MIMO Peak



Restrict Band NVNT n20 2412MHz MIMO Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

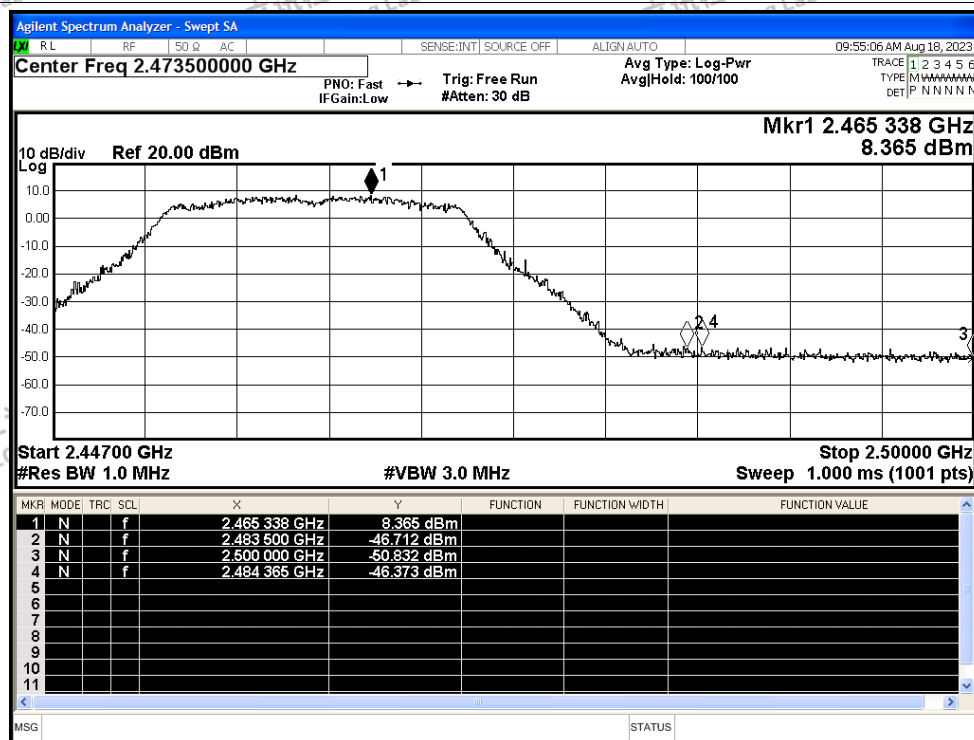
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

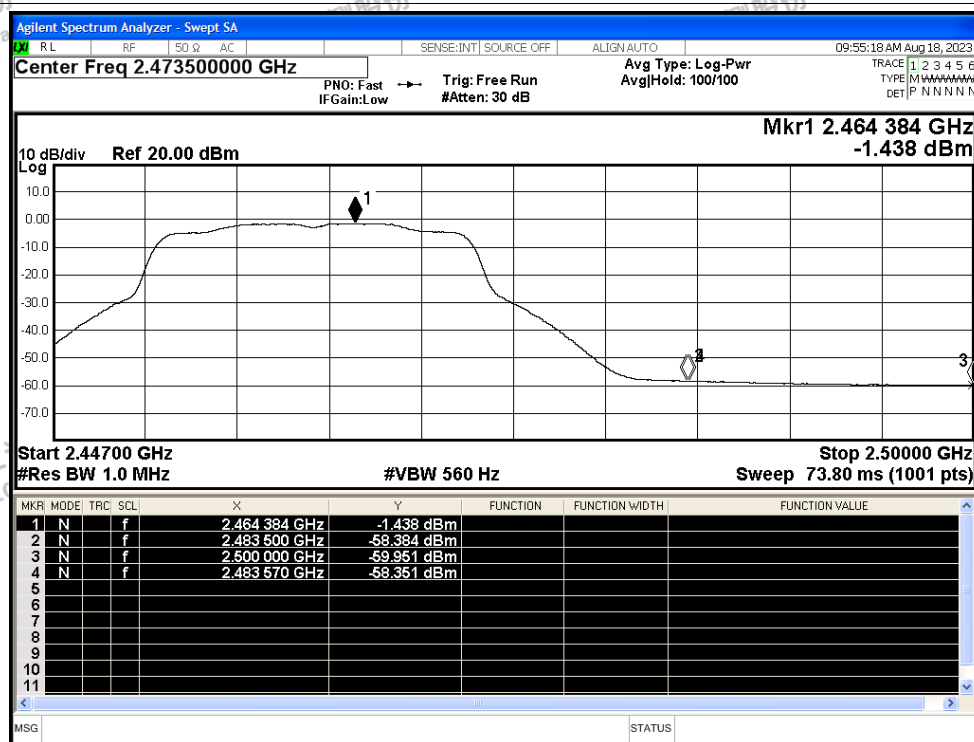
Scan code to check authenticity



Restrict Band NVNT n20 2462MHz MIMO Peak



Restrict Band NVNT n20 2462MHz MIMO Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

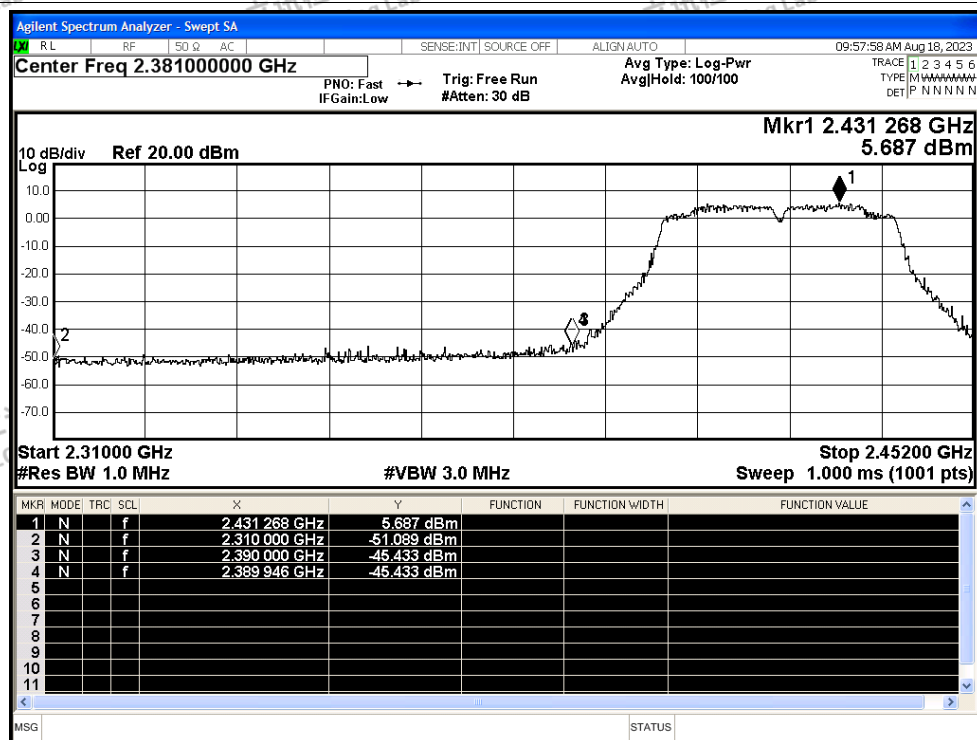
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

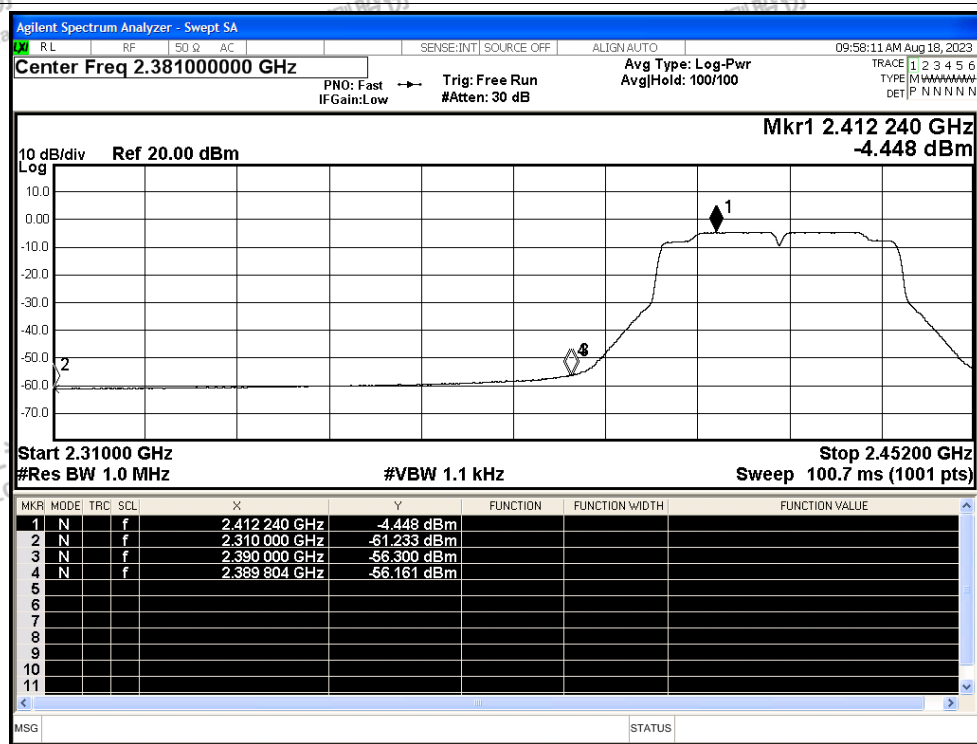
Scan code to check authenticity



Restrict Band NVNT n40 2422MHz MIMO Peak



Restrict Band NVNT n40 2422MHz MIMO Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

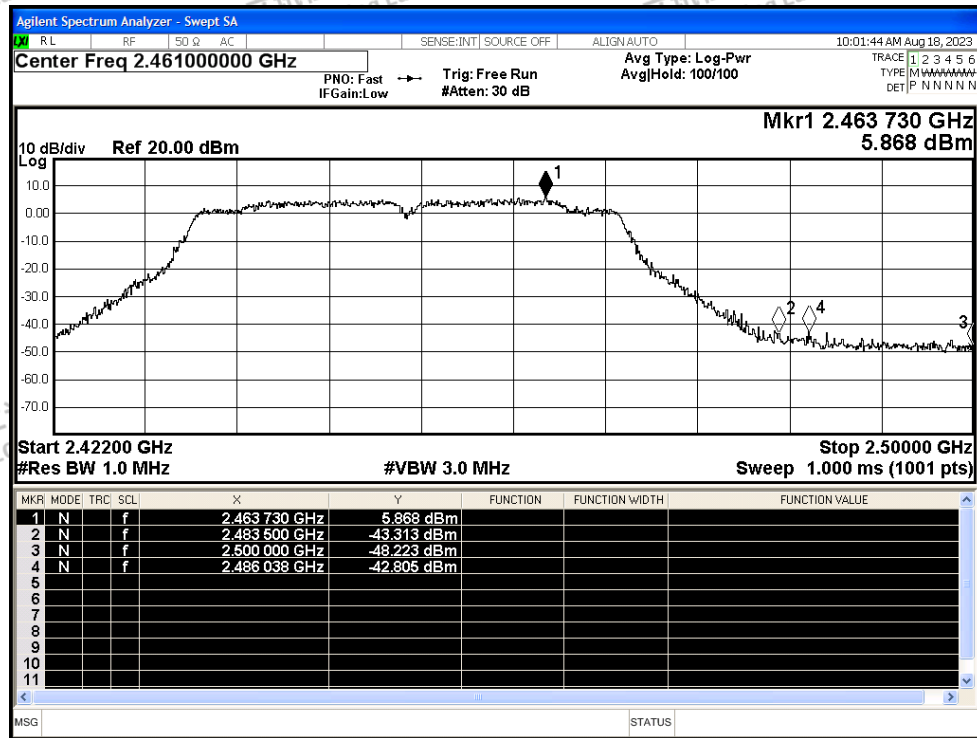
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

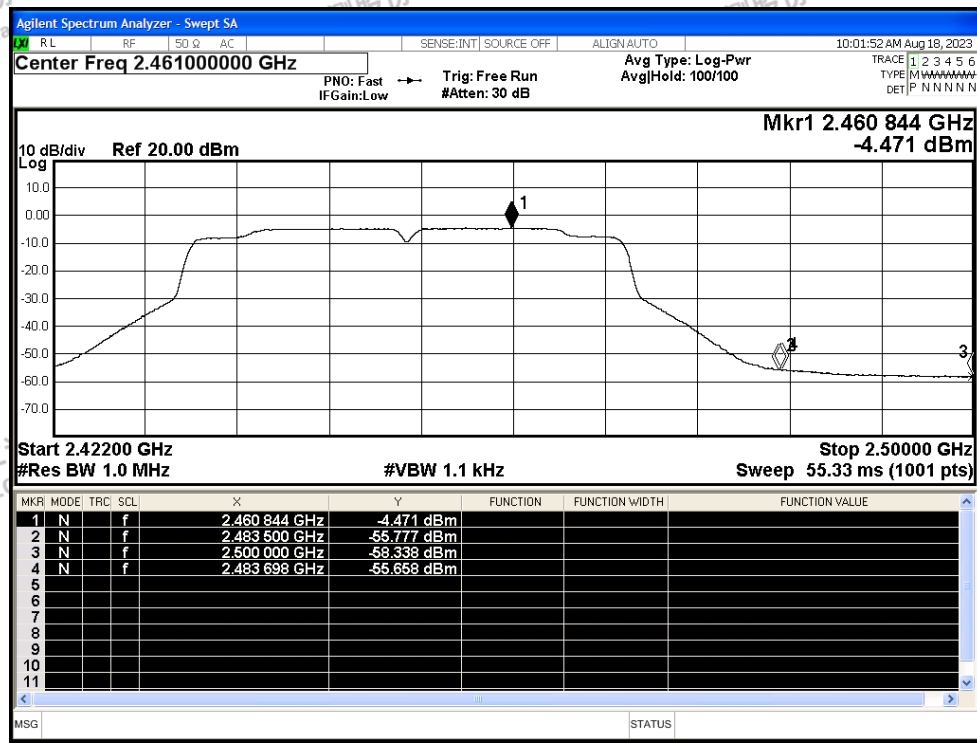
Scan code to check authenticity



Restrict Band NVNT n40 2452MHz MIMO Peak



Restrict Band NVNT n40 2452MHz MIMO Average



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