



Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Chasing CM600

Test Model: CM600

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li huan



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A.1 6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	6 dB Bandwidth (MHz)	Limit 6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	11.081	0.5	Pass
NVNT	b	2437	Ant1	10.143	0.5	Pass
NVNT	b	2462	Ant1	11.093	0.5	Pass
NVNT	g	2412	Ant1	14.76	0.5	Pass
NVNT	g	2437	Ant1	15.107	0.5	Pass
NVNT	g	2462	Ant1	15.09	0.5	Pass
NVNT	n20	2412	Ant1	10.045	0.5	Pass
NVNT	n20	2437	Ant1	12.534	0.5	Pass
NVNT	n20	2462	Ant1	8.711	0.5	Pass

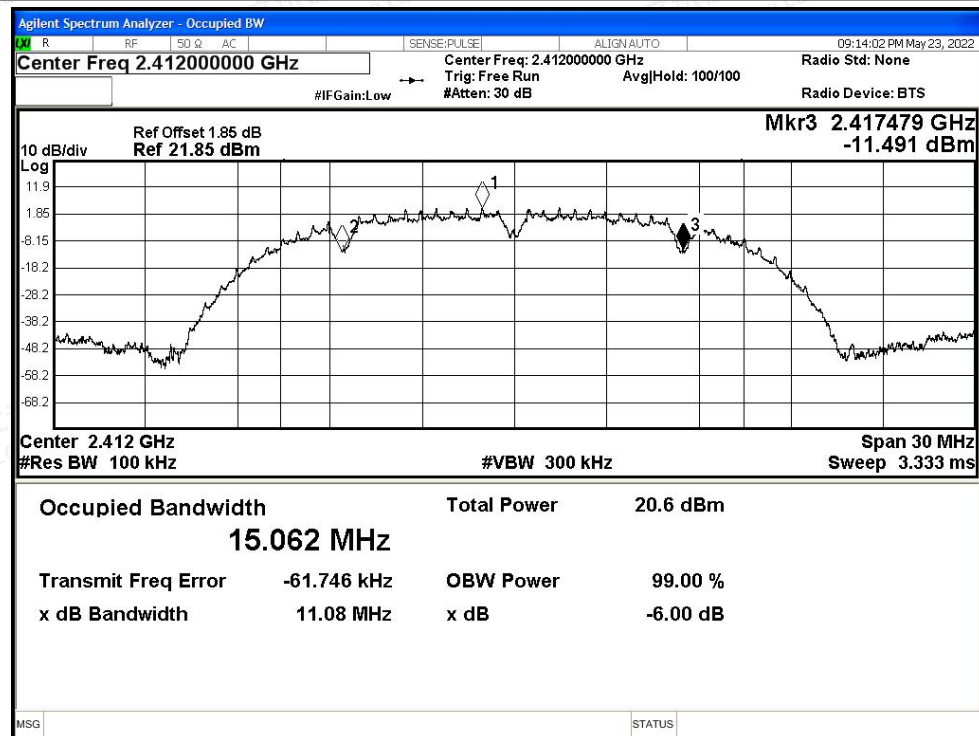


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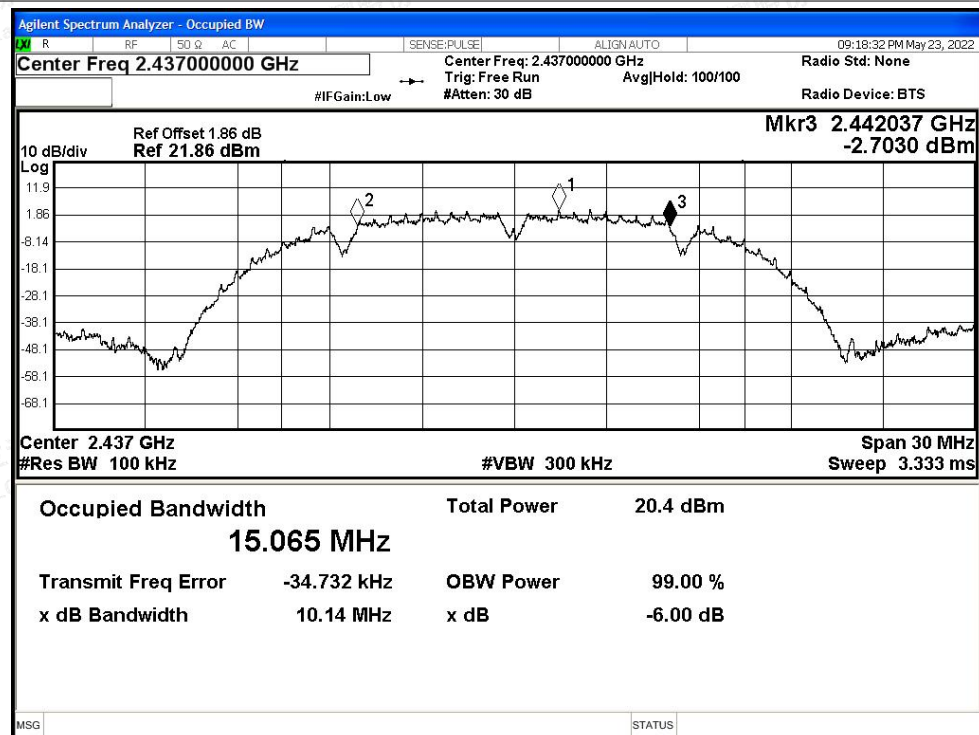


Test Graphs

6dB Bandwidth NVNT b 2412MHz Ant1



6dB Bandwidth NVNT b 2437MHz Ant1



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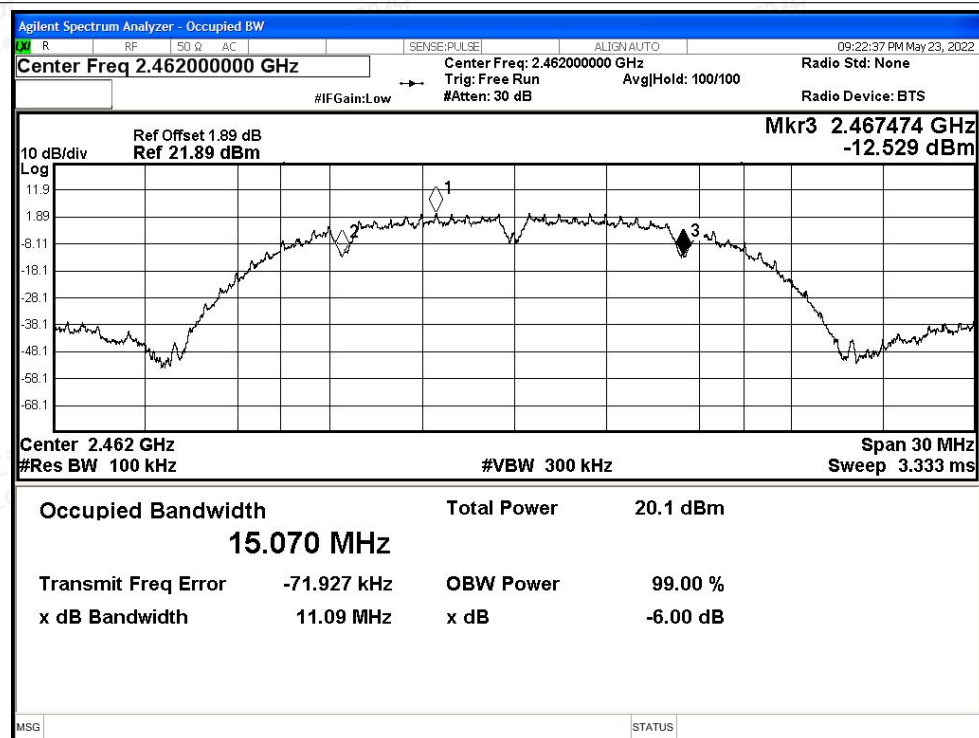
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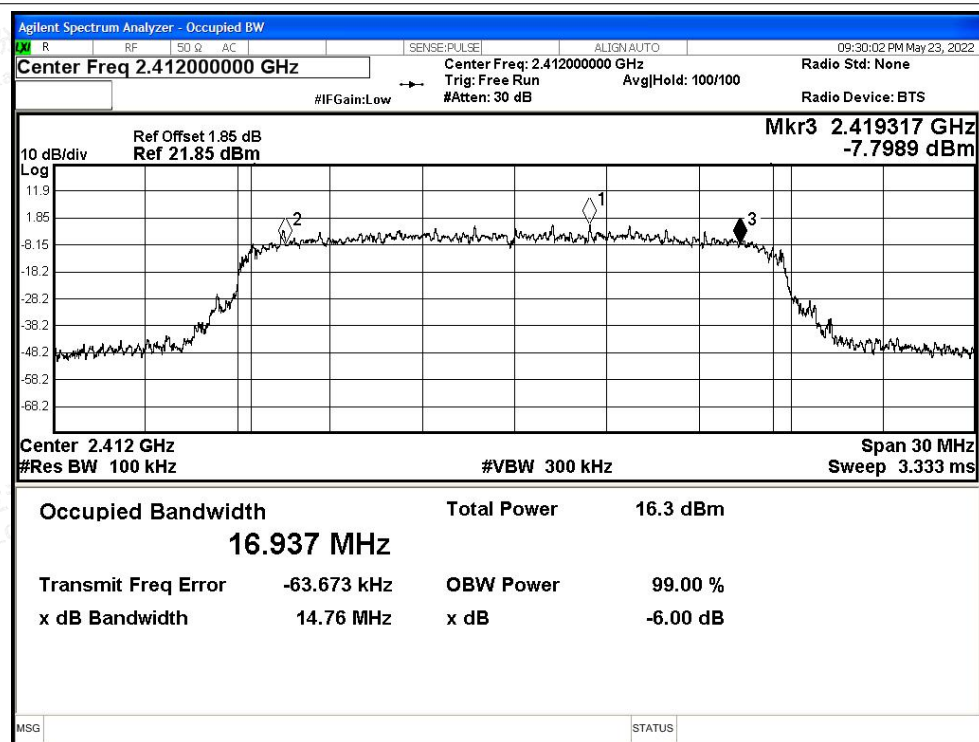
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6dB Bandwidth NVNT b 2462MHz Ant1



6dB Bandwidth NVNT g 2412MHz Ant1



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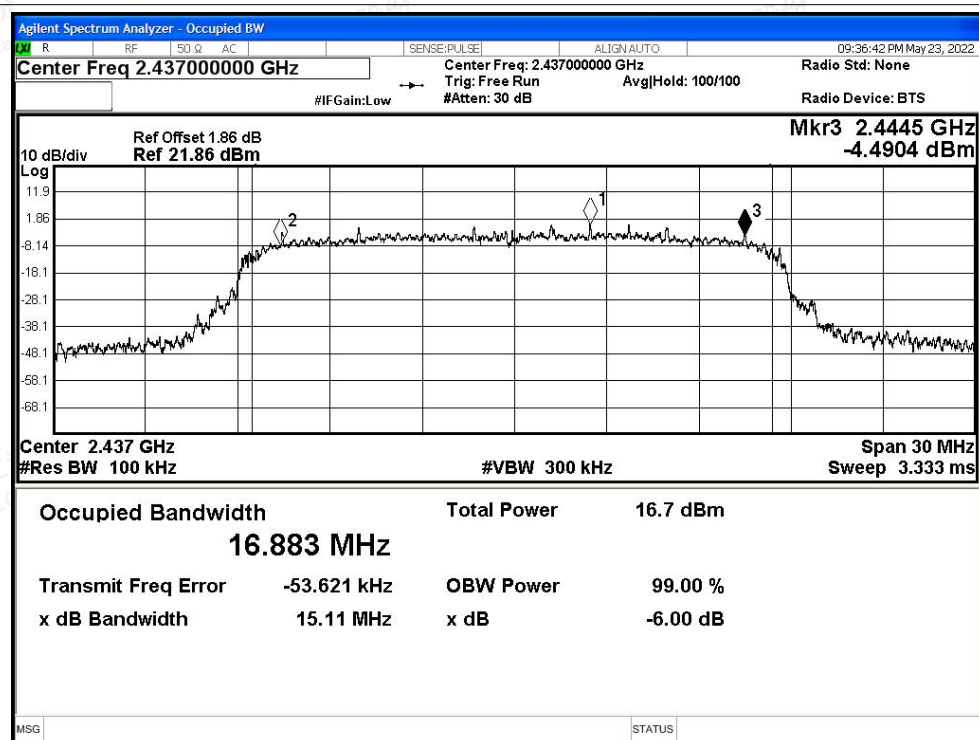
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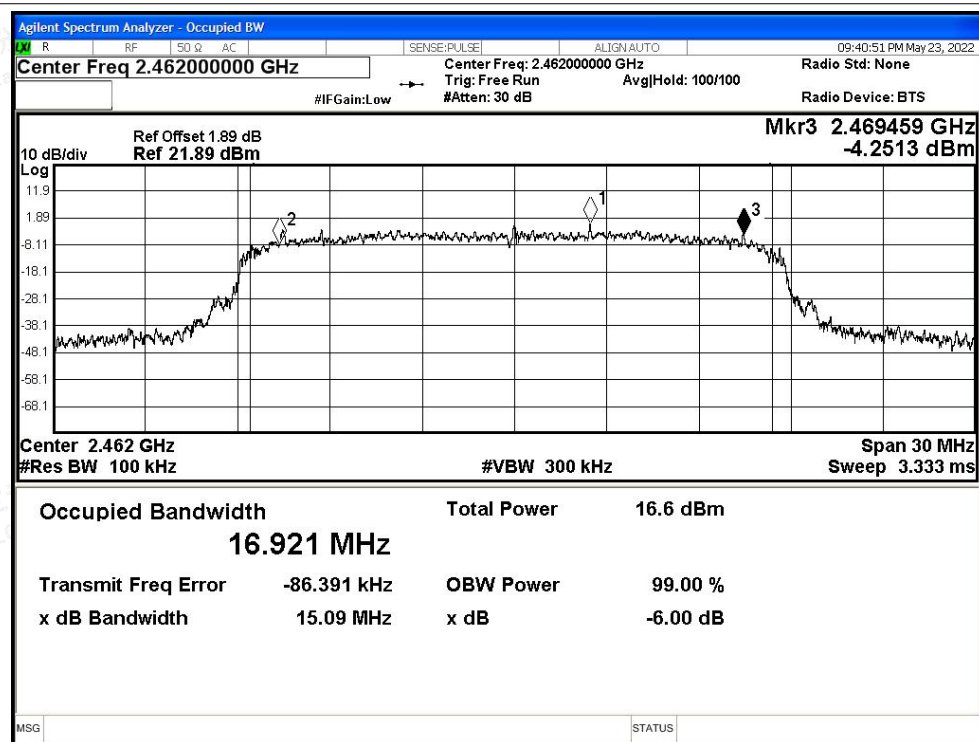
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6dB Bandwidth NVNT g 2437MHz Ant1



6dB Bandwidth NVNT g 2462MHz Ant1



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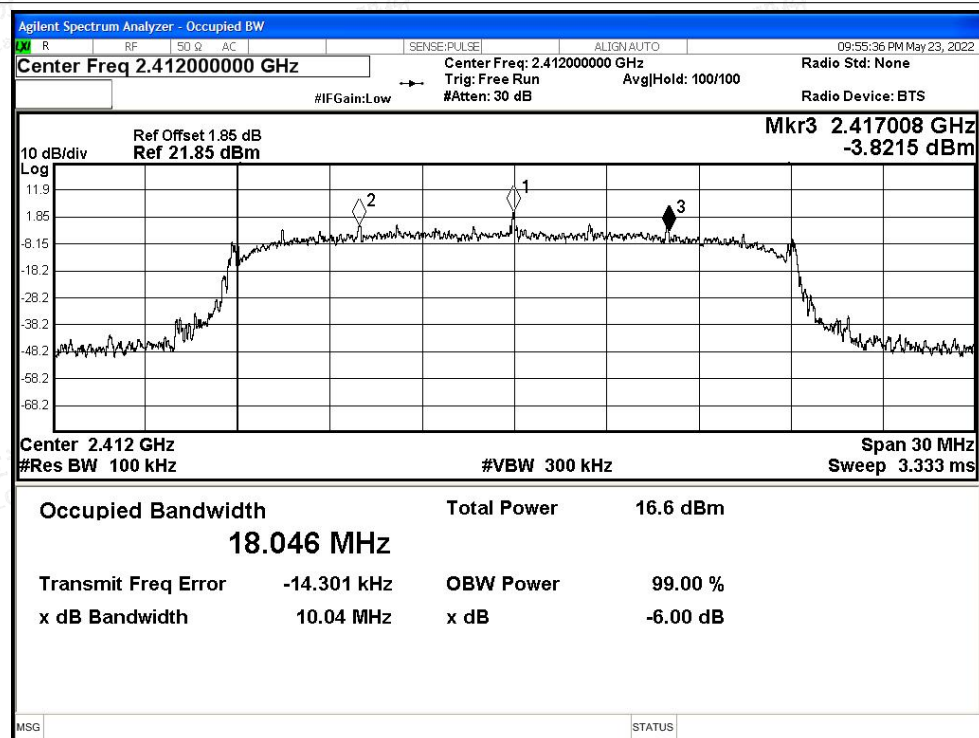
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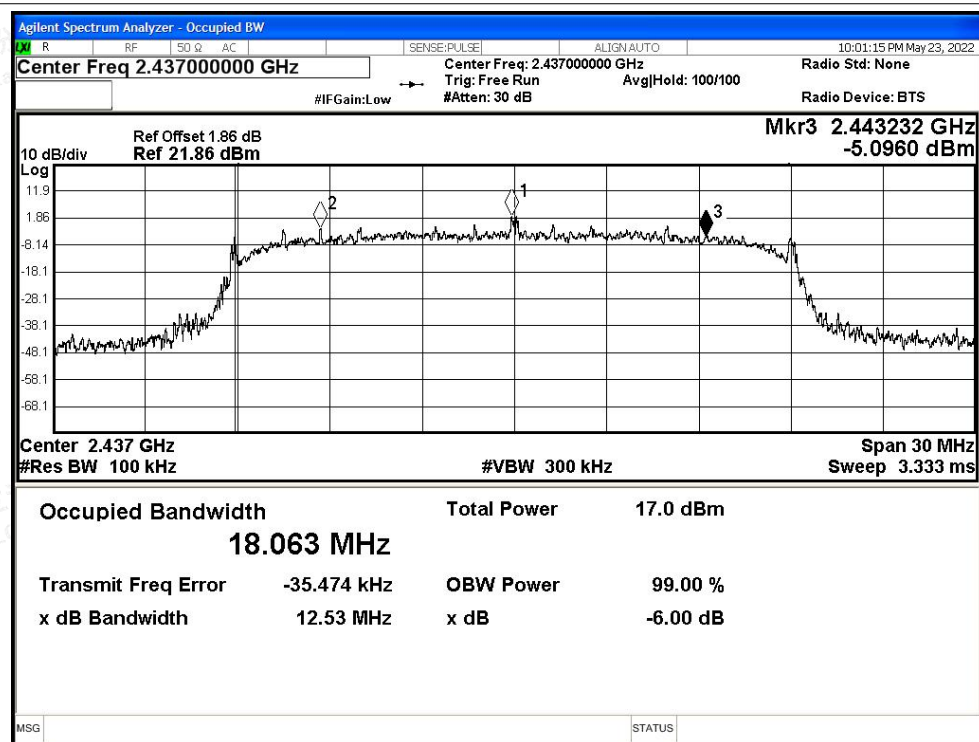
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6dB Bandwidth NVNT n20 2412MHz Ant1



6dB Bandwidth NVNT n20 2437MHz Ant1

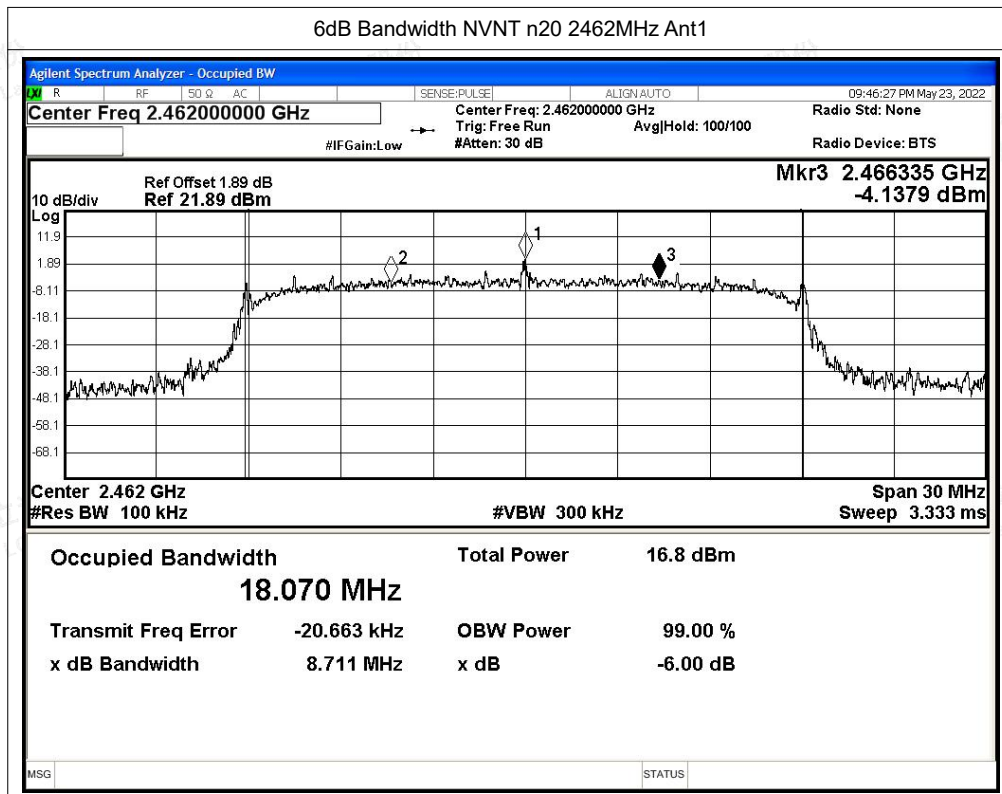


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A.2 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	15.066
NVNT	b	2437	Ant1	15.075
NVNT	b	2462	Ant1	15.072
NVNT	g	2412	Ant1	16.97
NVNT	g	2437	Ant1	17.166
NVNT	g	2462	Ant1	17.098
NVNT	n20	2412	Ant1	18.07
NVNT	n20	2437	Ant1	17.951
NVNT	n20	2462	Ant1	17.834



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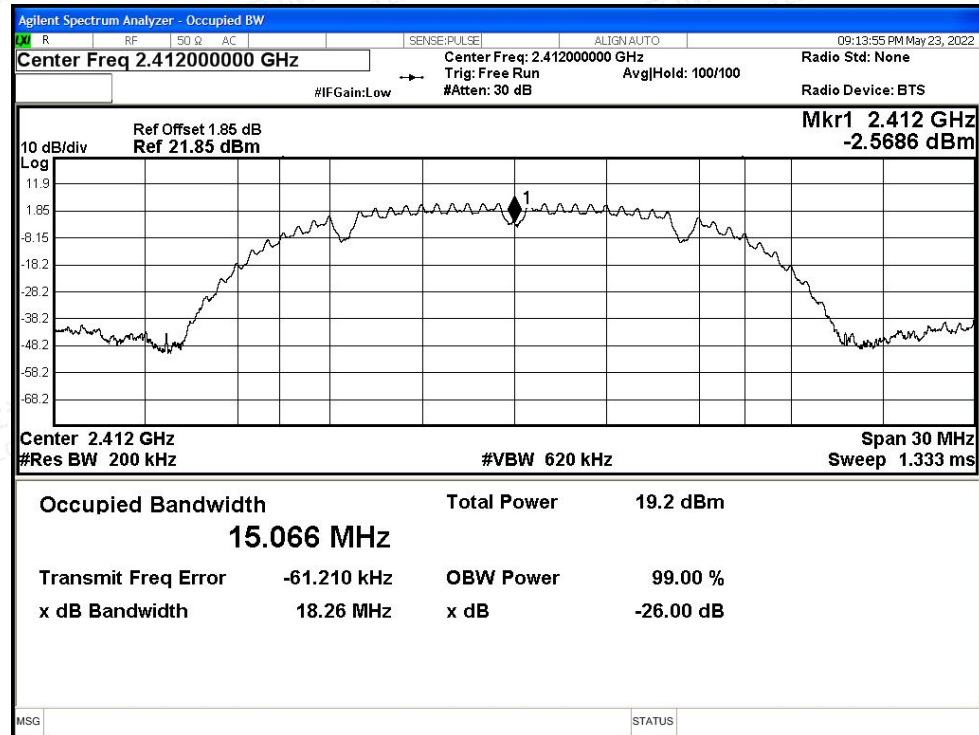
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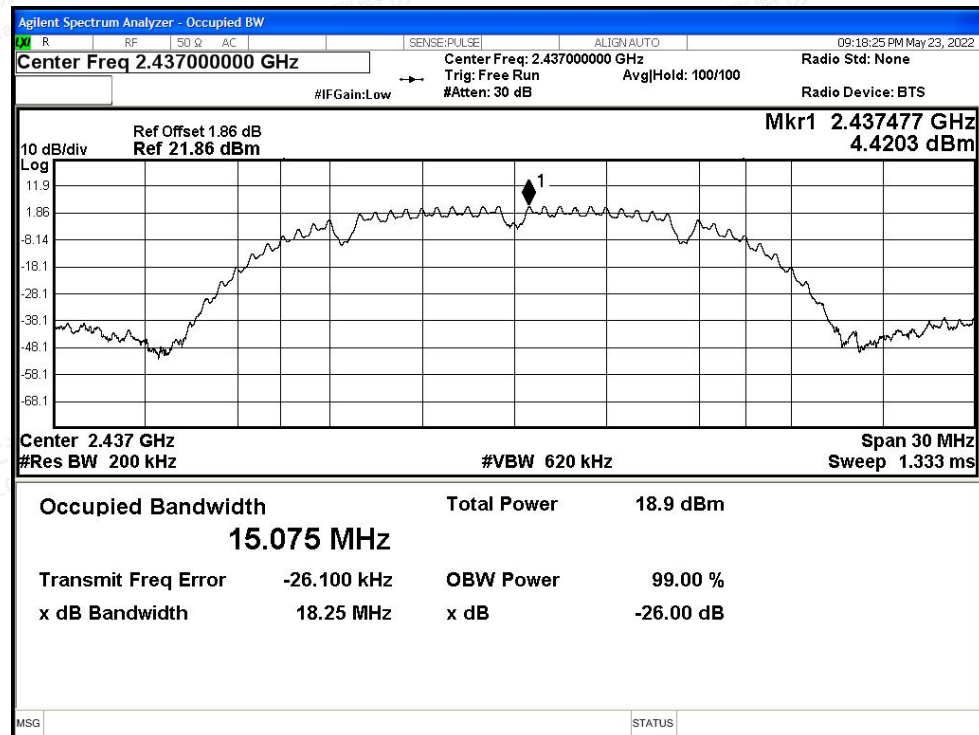


Test Graphs

OBW NVNT b 2412MHz Ant1



OBW NVNT b 2437MHz Ant1



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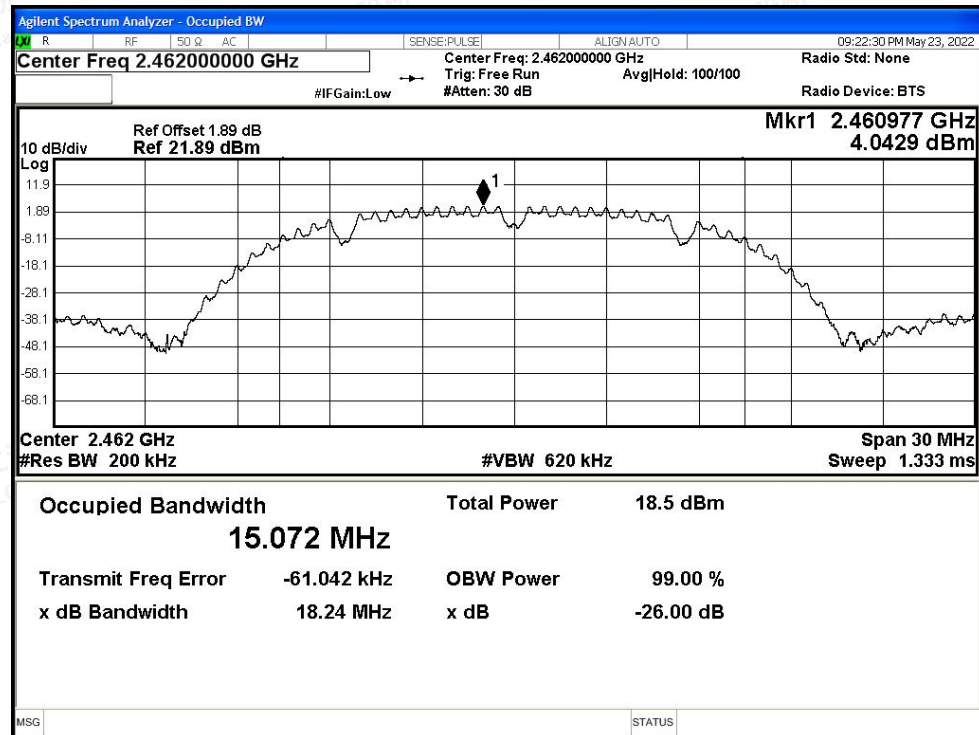
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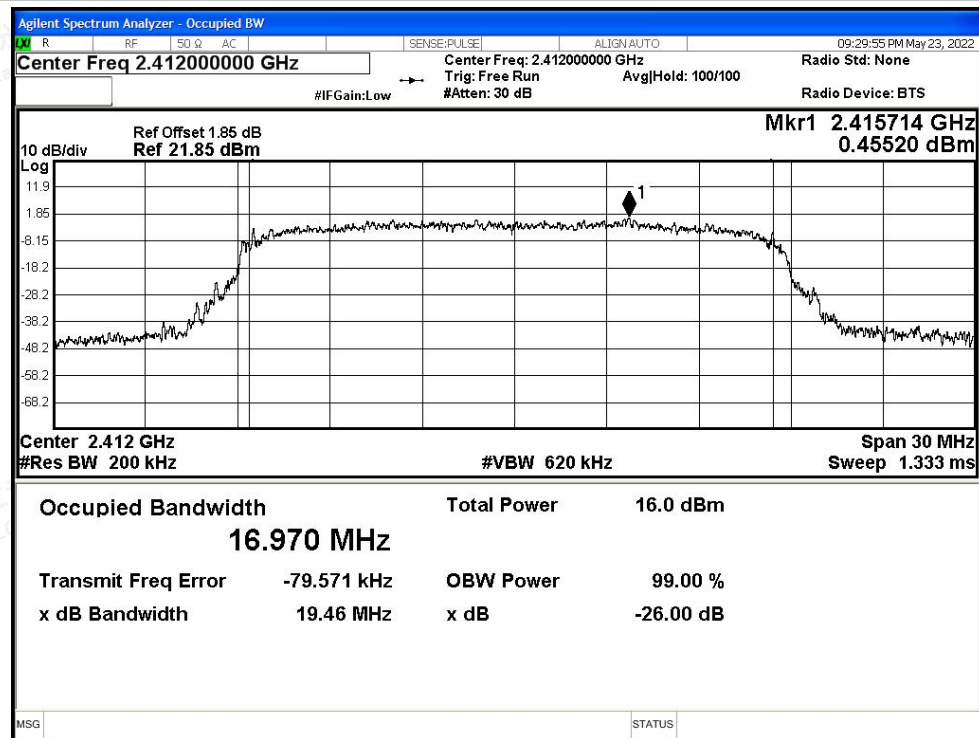
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OBW NVNT b 2462MHz Ant1



OBW NVNT g 2412MHz Ant1



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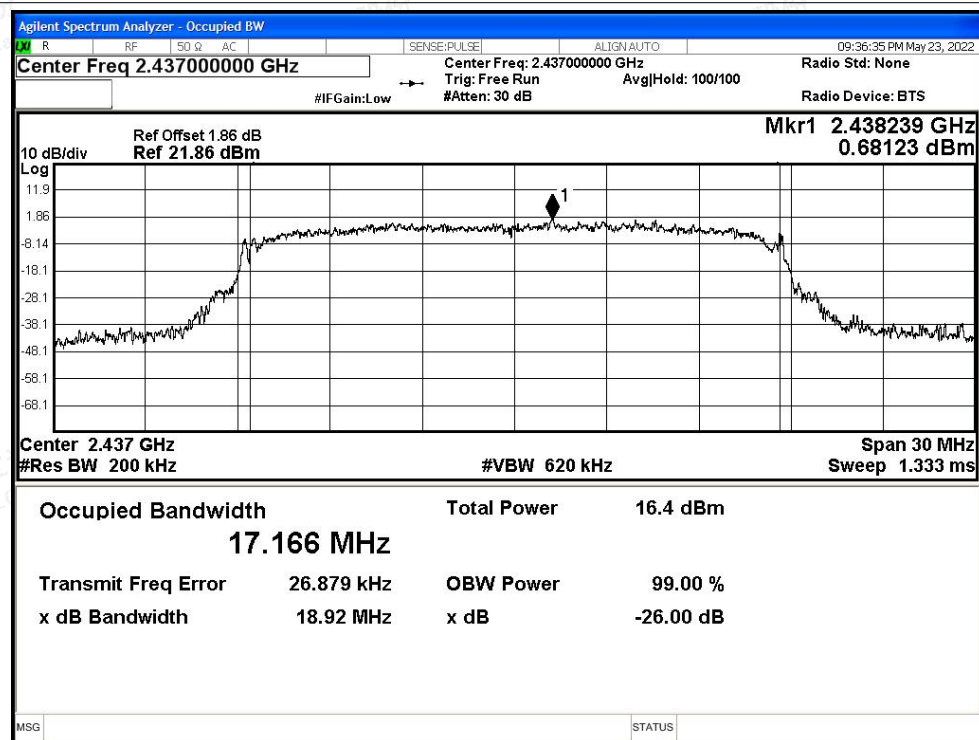
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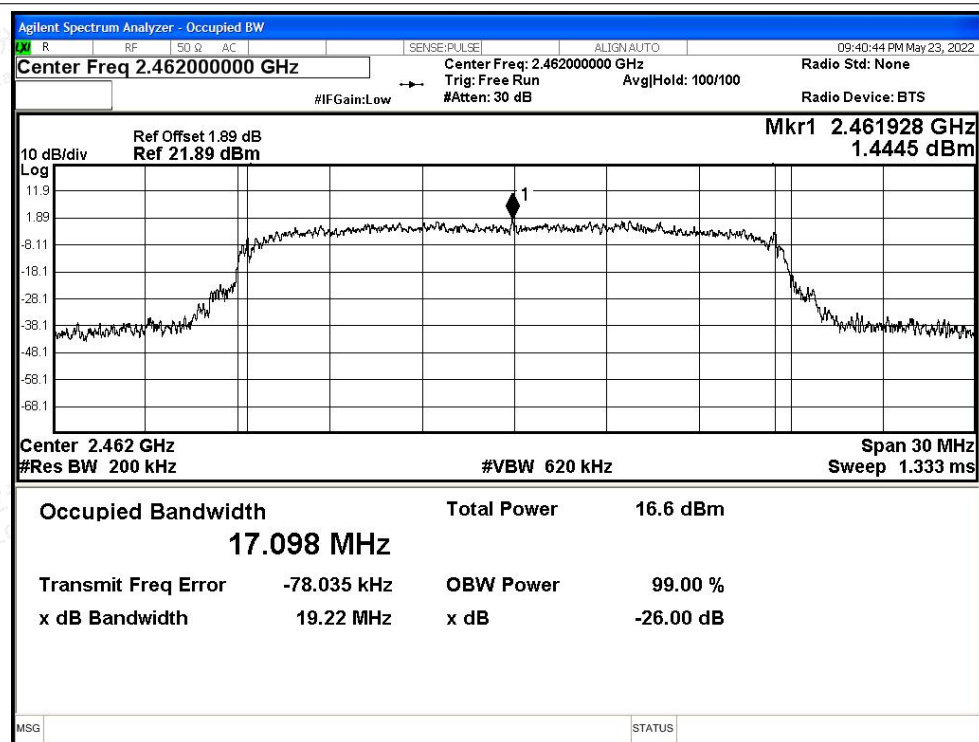
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OBW NVNT g 2437MHz Ant1



OBW NVNT g 2462MHz Ant1



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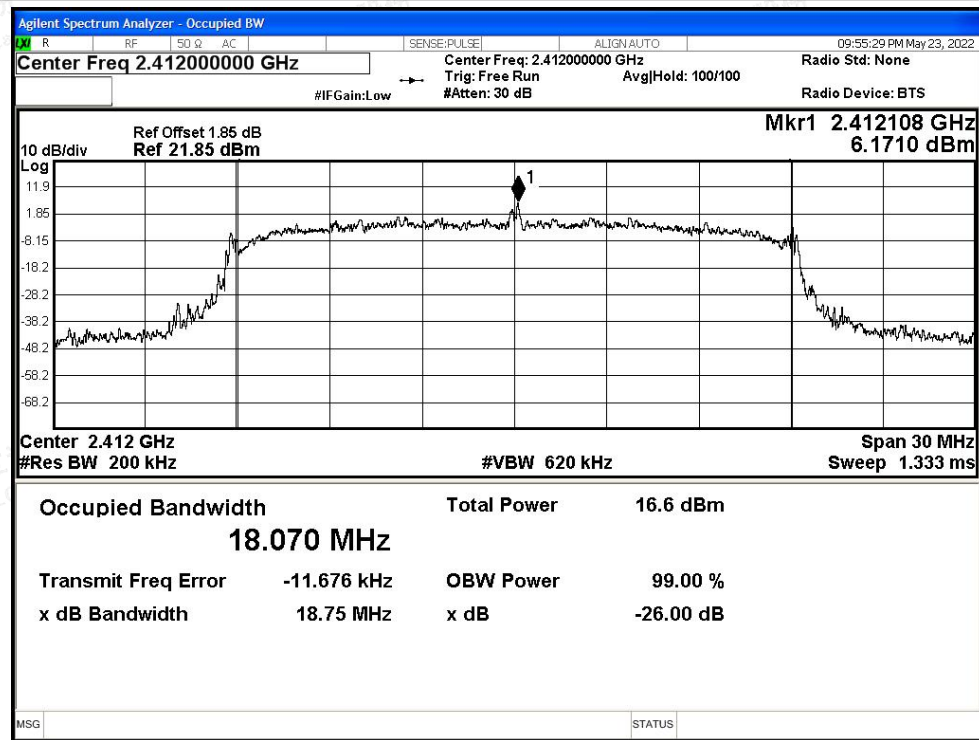
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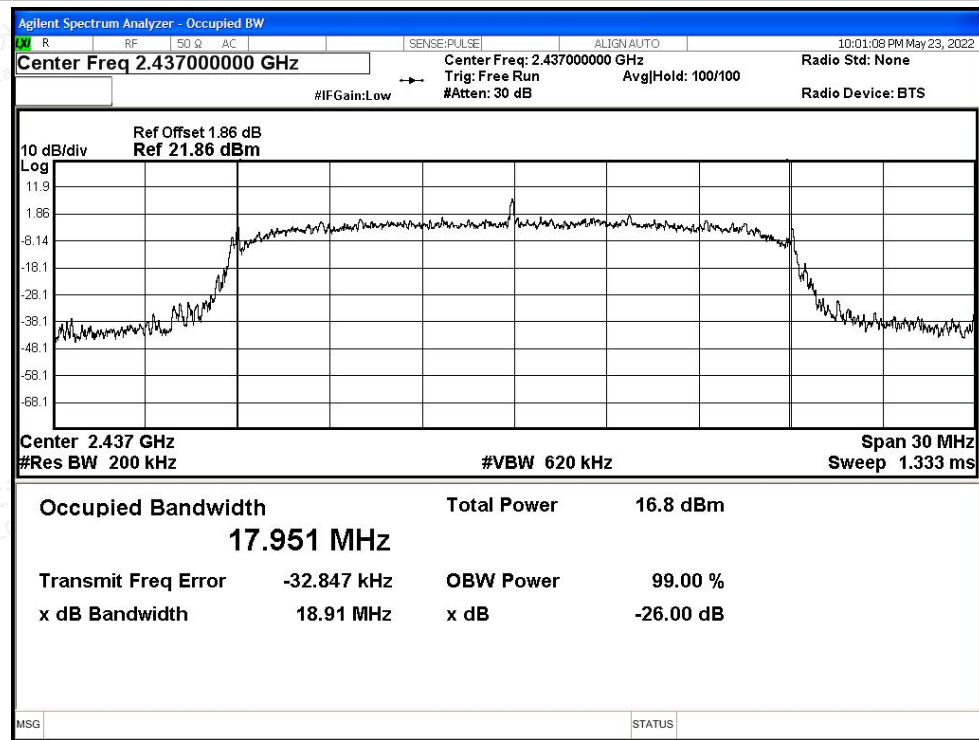
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OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2437MHz Ant1

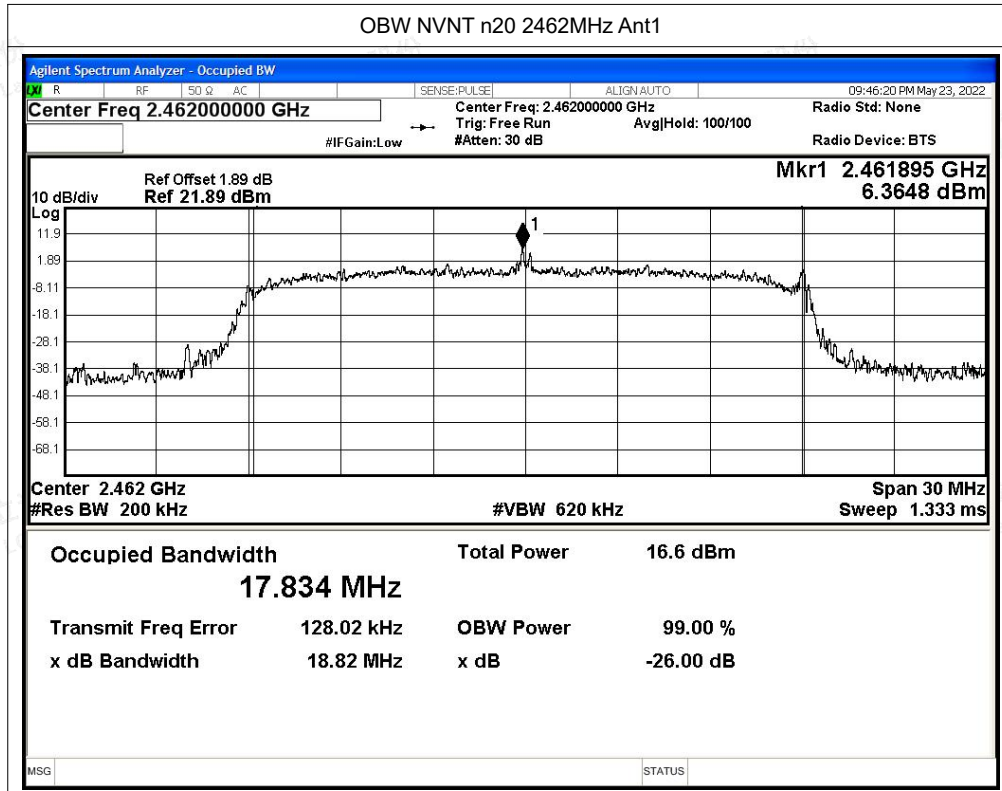


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A.3 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.89	30	Pass
NVNT	b	2437	Ant1	15.54	30	Pass
NVNT	b	2462	Ant1	15.15	30	Pass
NVNT	g	2412	Ant1	15.11	30	Pass
NVNT	g	2437	Ant1	15.42	30	Pass
NVNT	g	2462	Ant1	15.44	30	Pass
NVNT	n20	2412	Ant1	15.31	30	Pass
NVNT	n20	2437	Ant1	15.78	30	Pass
NVNT	n20	2462	Ant1	15.68	30	Pass





A.4 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-9.42	0	-9.42	8	Pass
NVNT	b	2437	Ant1	-9.85	0	-9.85	8	Pass
NVNT	b	2462	Ant1	-10.11	0	-10.11	8	Pass
NVNT	g	2412	Ant1	-13.7	0	-13.7	8	Pass
NVNT	g	2437	Ant1	-13.17	0	-13.17	8	Pass
NVNT	g	2462	Ant1	-13.38	0	-13.38	8	Pass
NVNT	n20	2412	Ant1	-13.92	0	-13.92	8	Pass
NVNT	n20	2437	Ant1	-13.21	0	-13.21	8	Pass
NVNT	n20	2462	Ant1	-13.32	0	-13.32	8	Pass



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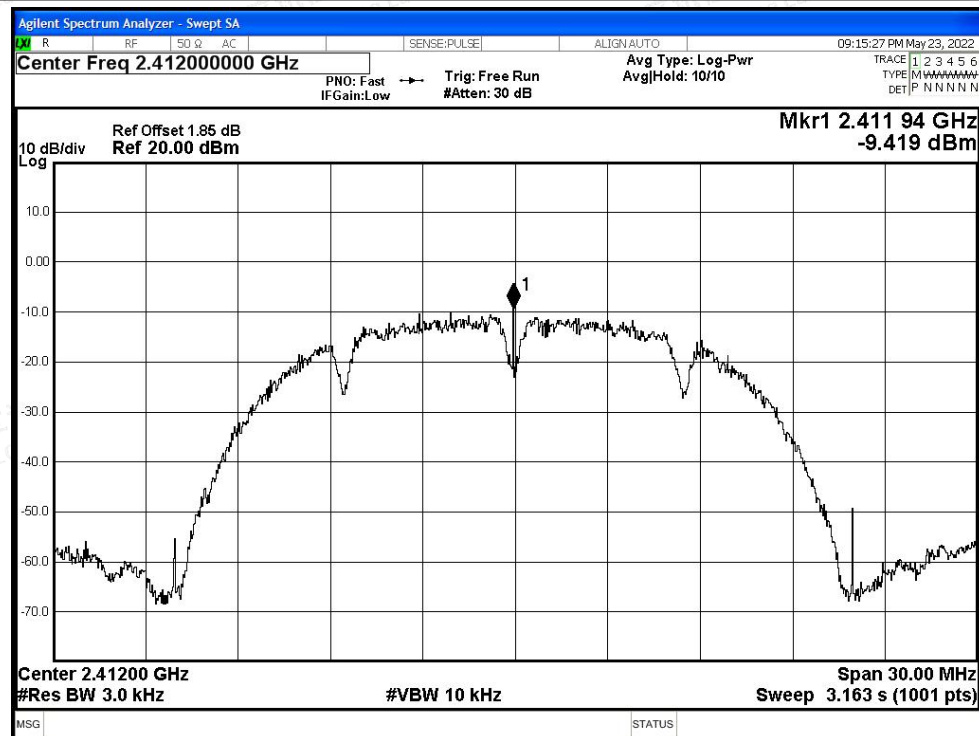
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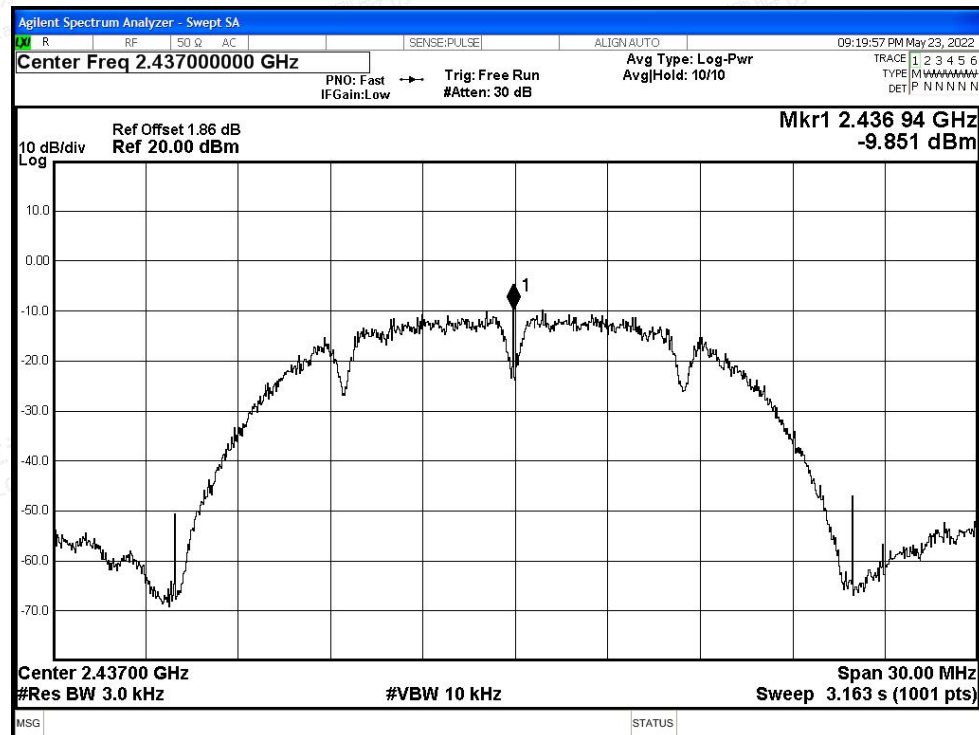


Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



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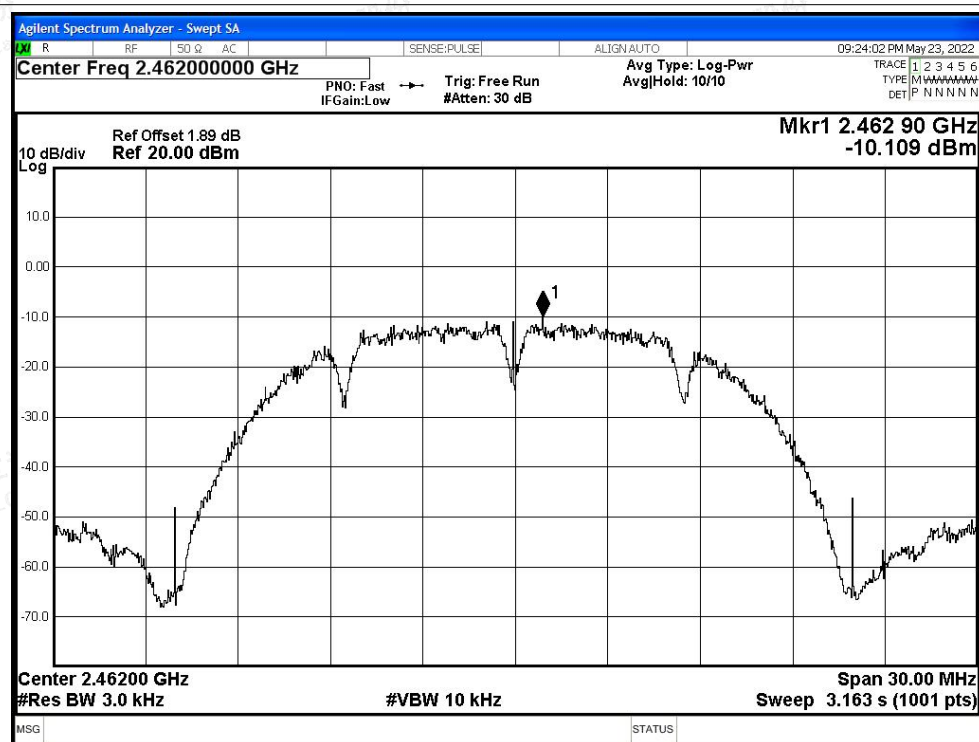
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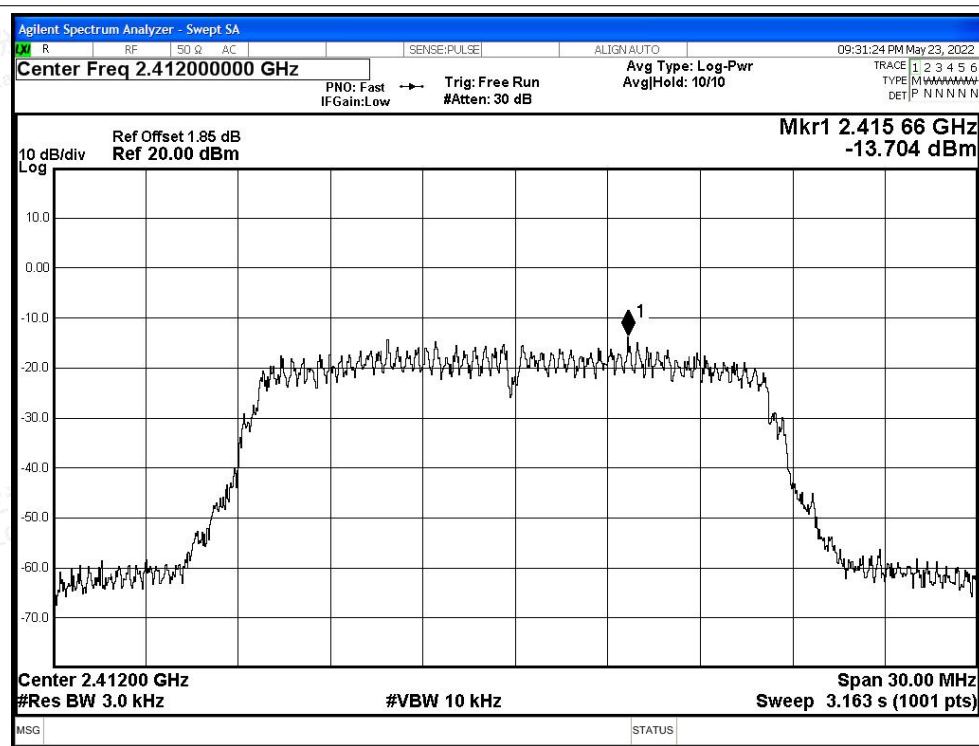
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PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1



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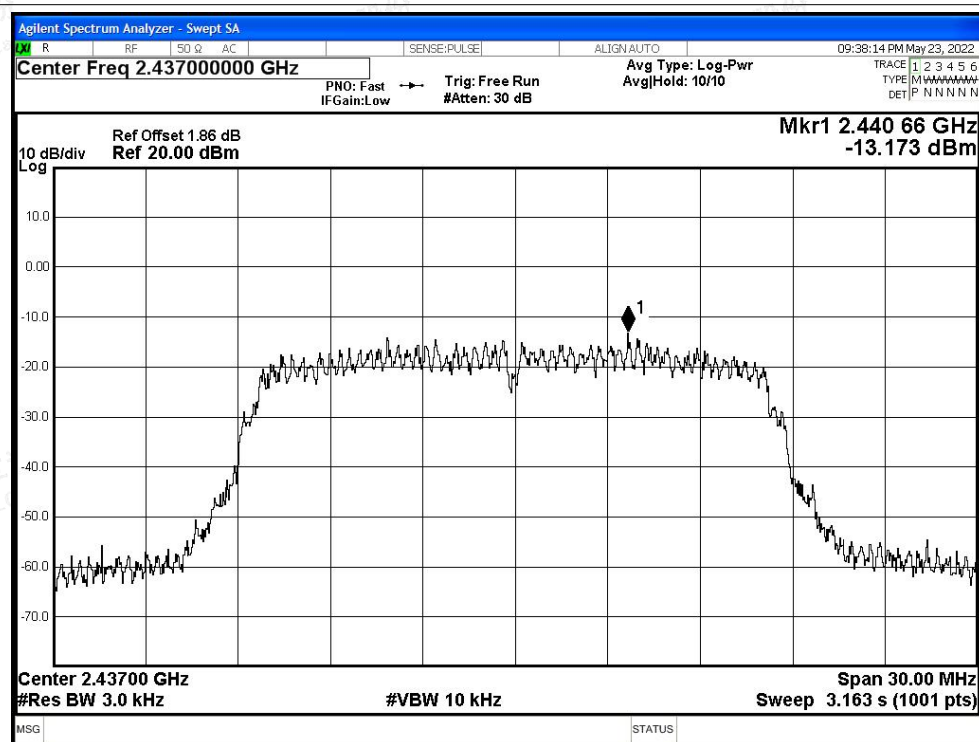
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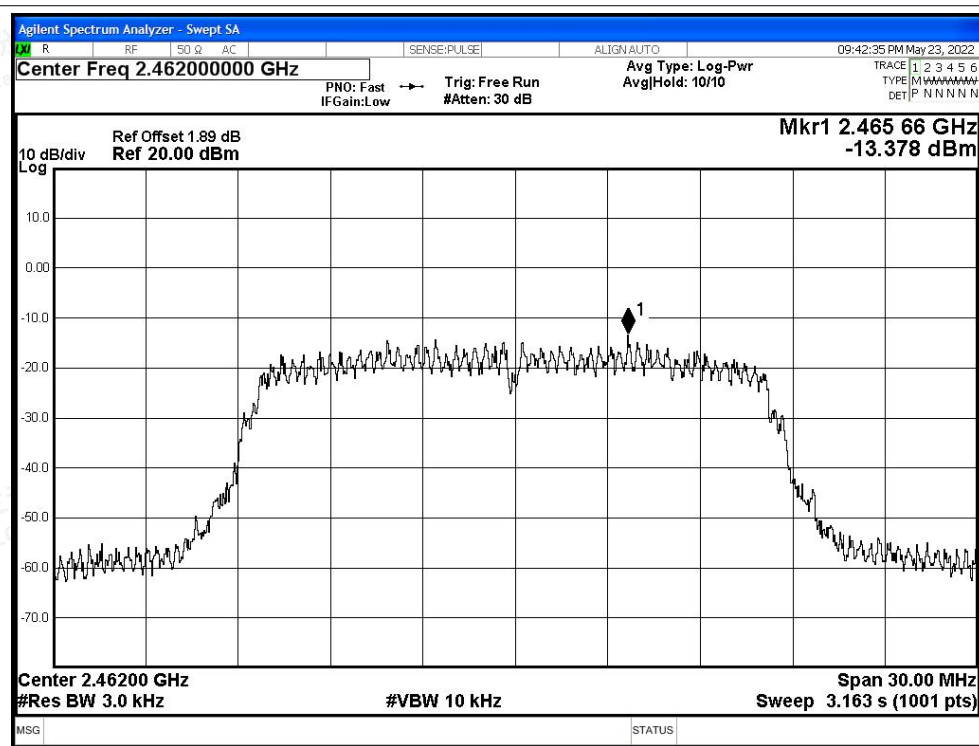
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PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1

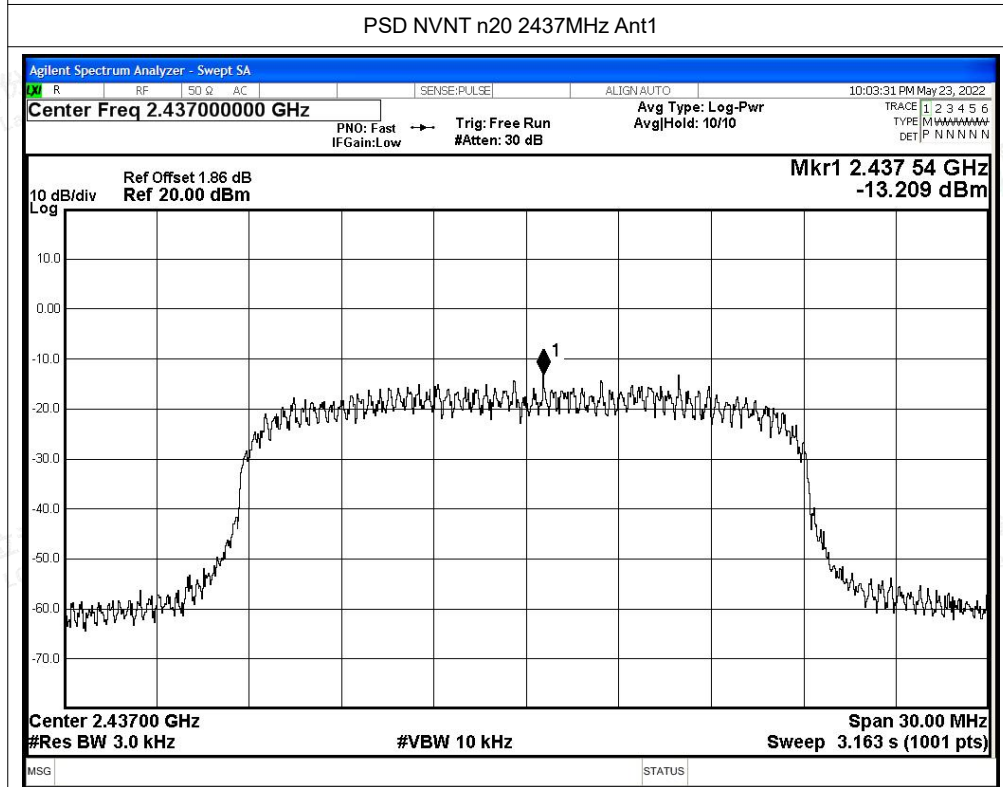
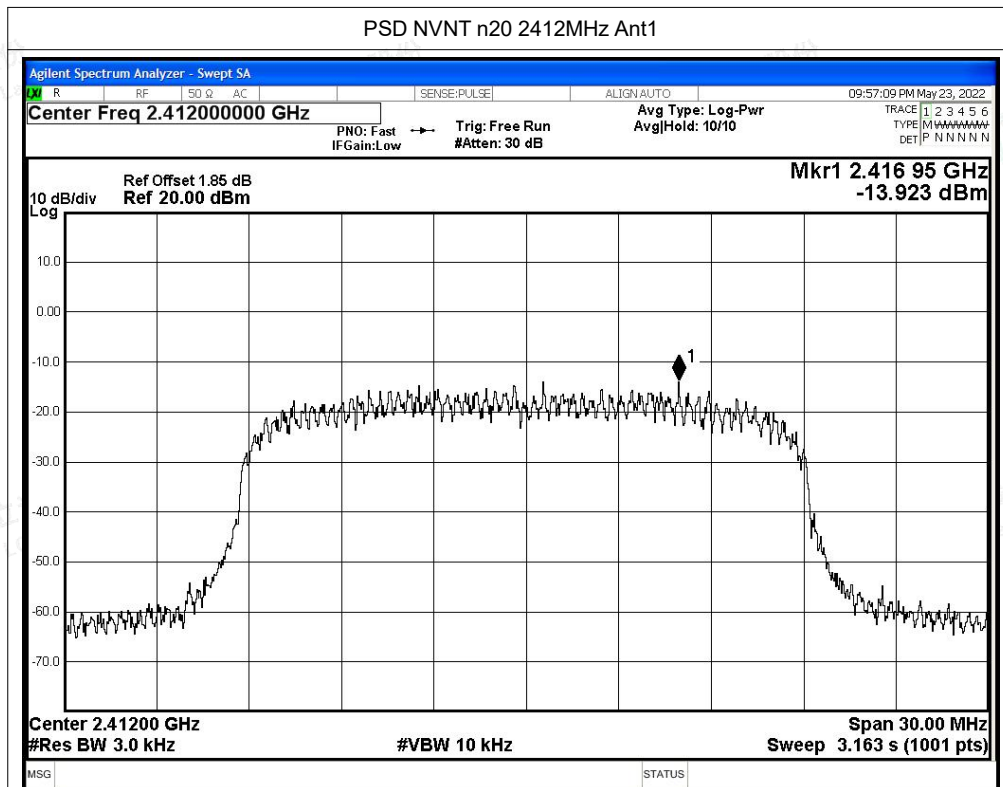


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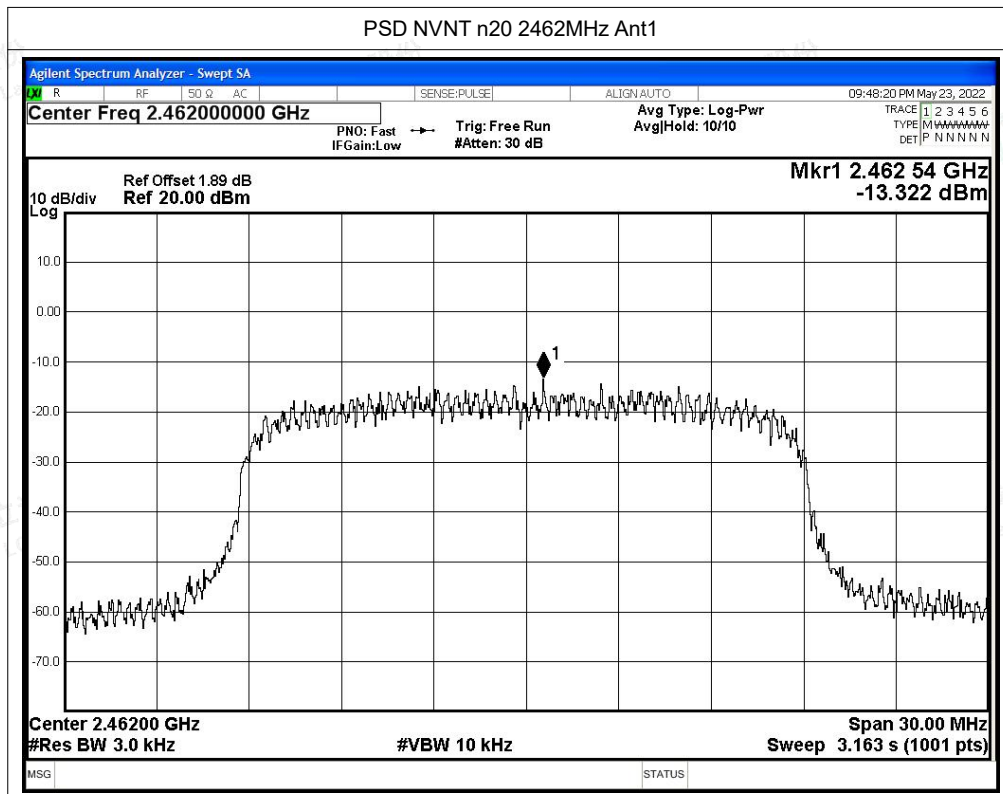


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A.5 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-46.52	-20	Pass
NVNT	b	2462	Ant1	-56.1	-20	Pass
NVNT	g	2412	Ant1	-43.87	-20	Pass
NVNT	g	2462	Ant1	-48.57	-20	Pass
NVNT	n20	2412	Ant1	-47.99	-20	Pass
NVNT	n20	2462	Ant1	-47.85	-20	Pass



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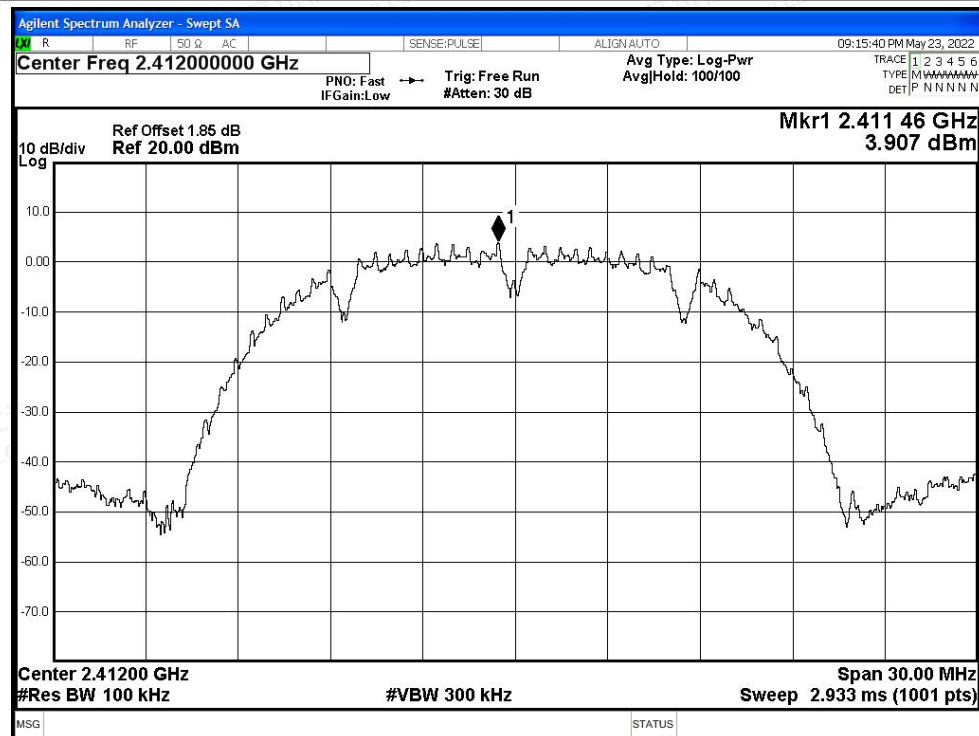
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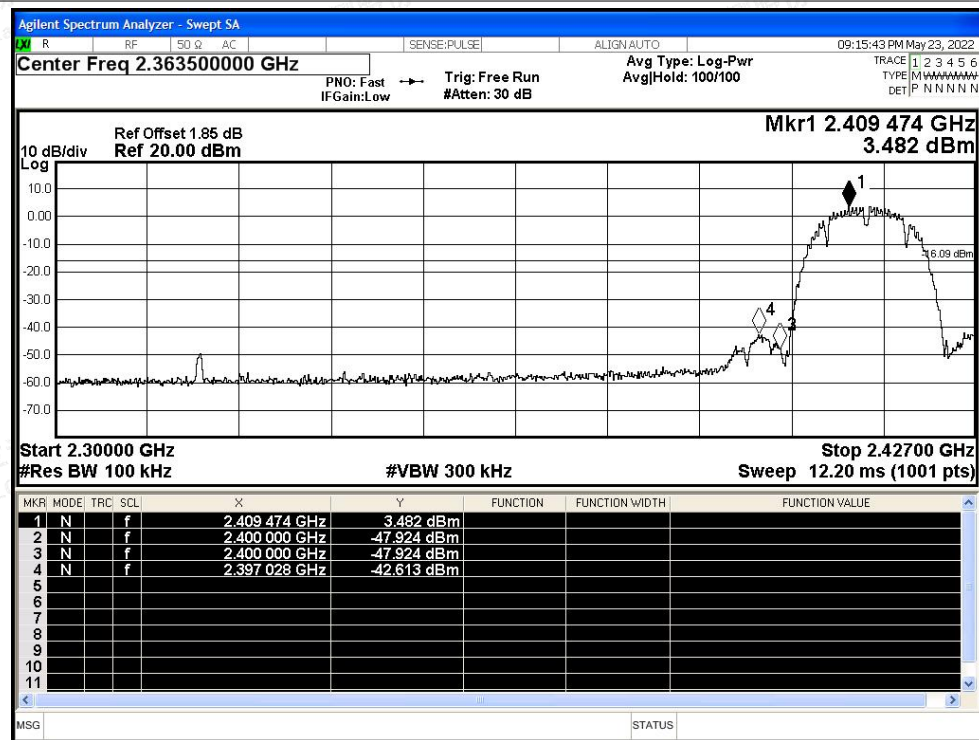


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



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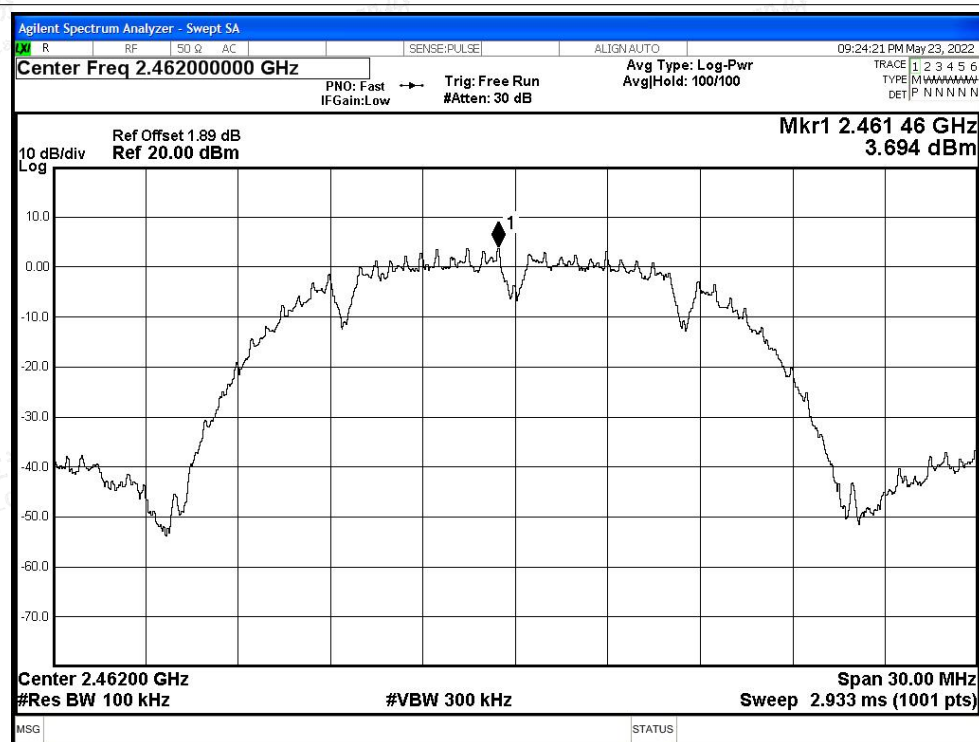
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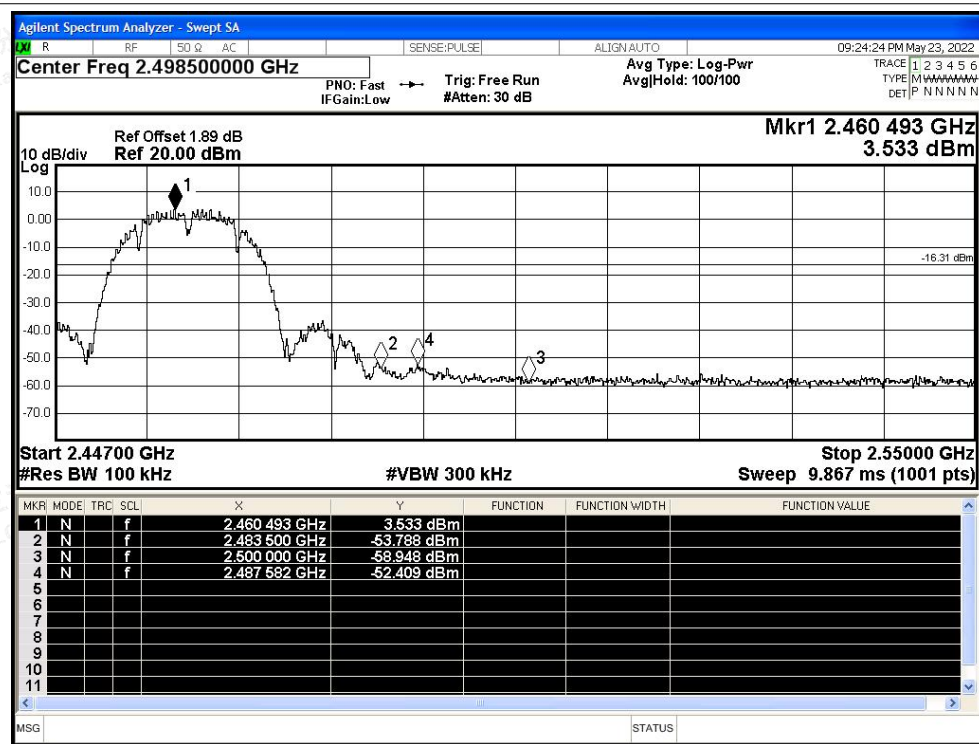
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Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



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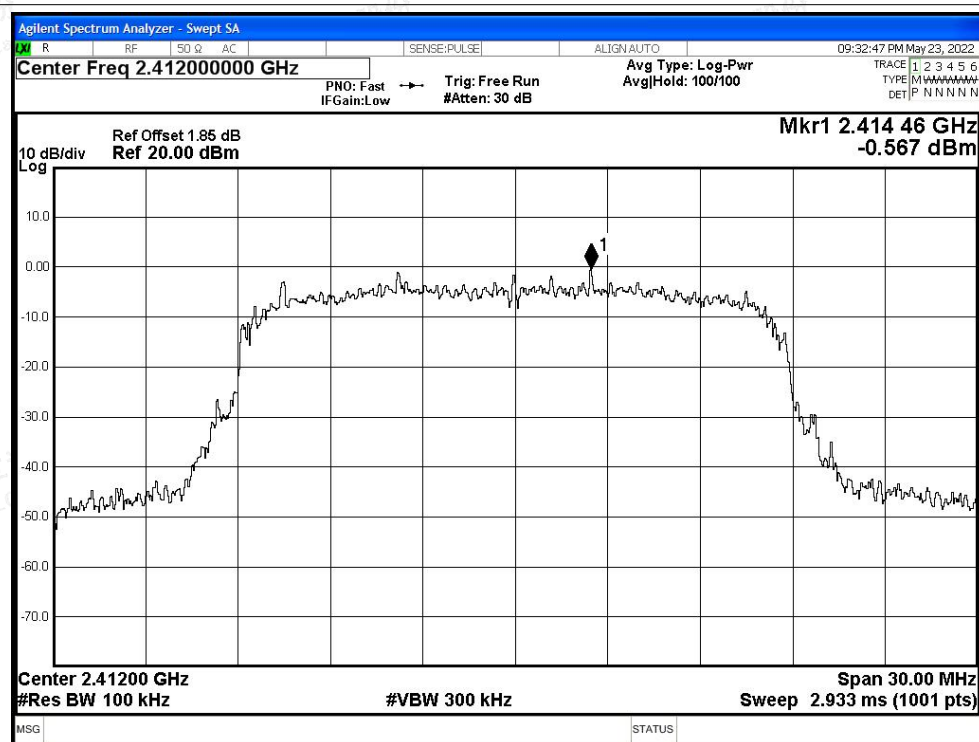
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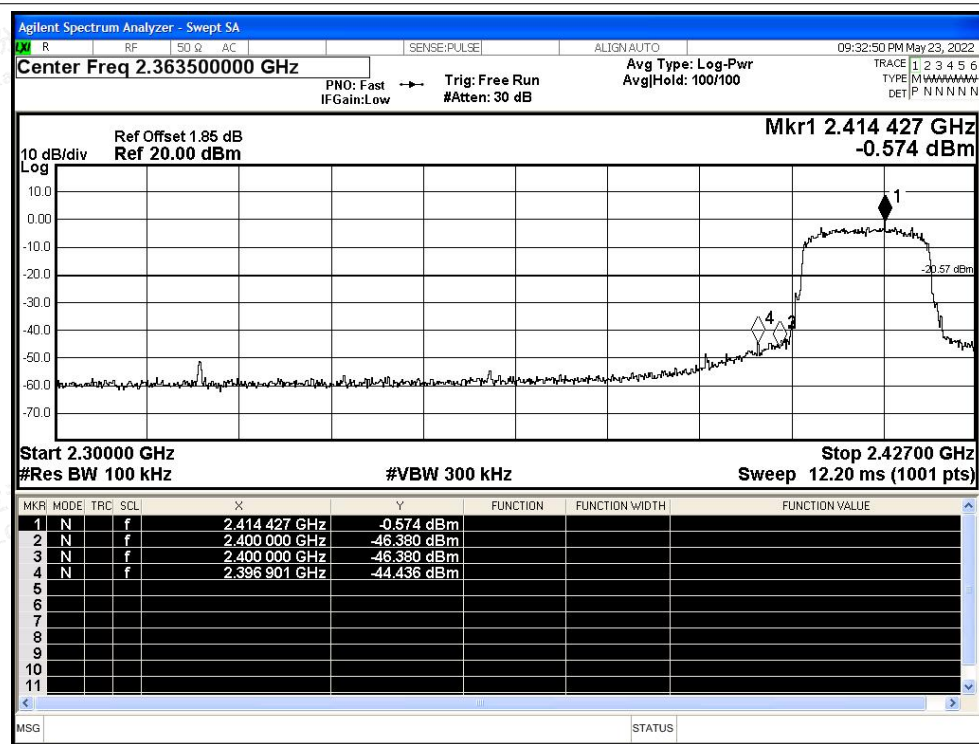
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Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



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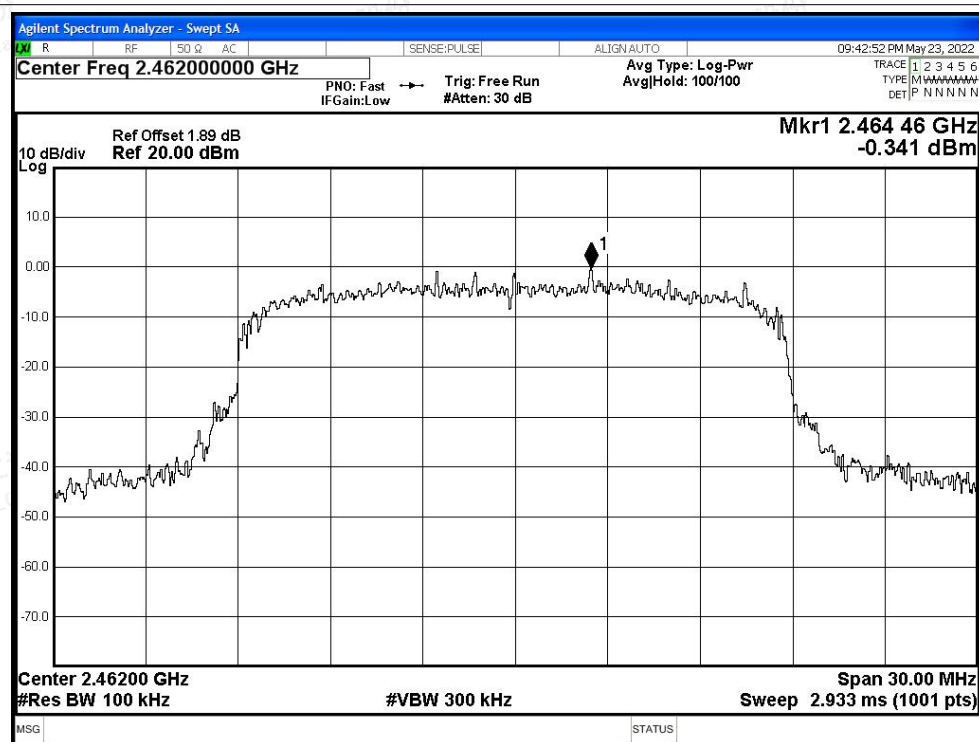
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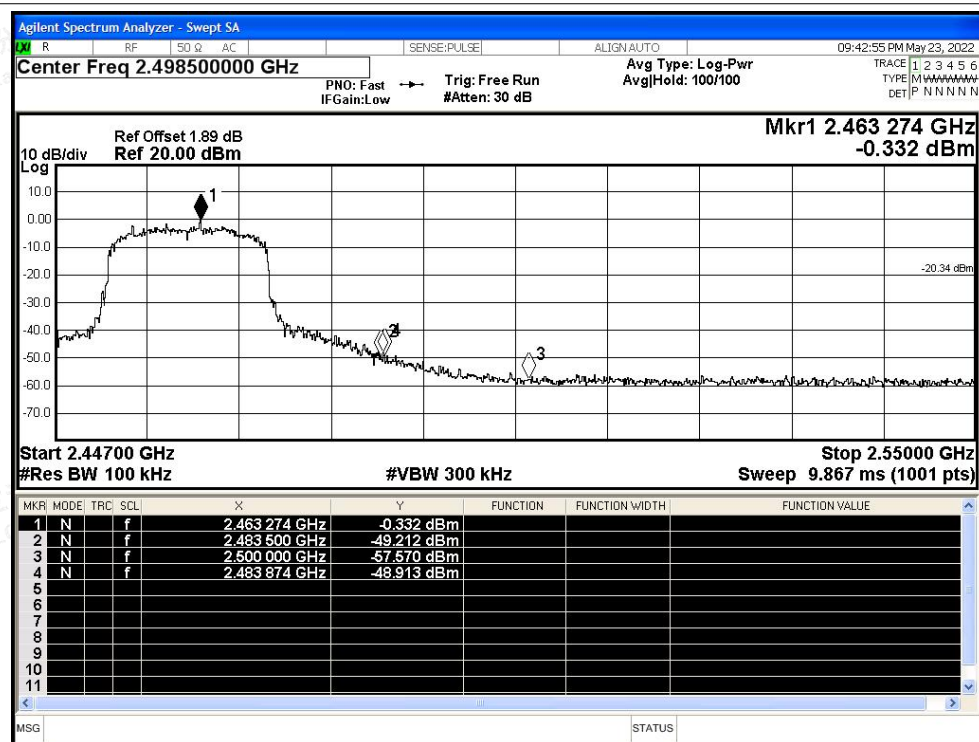
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Band Edge NVNT g 2462MHz Ant1 Ref



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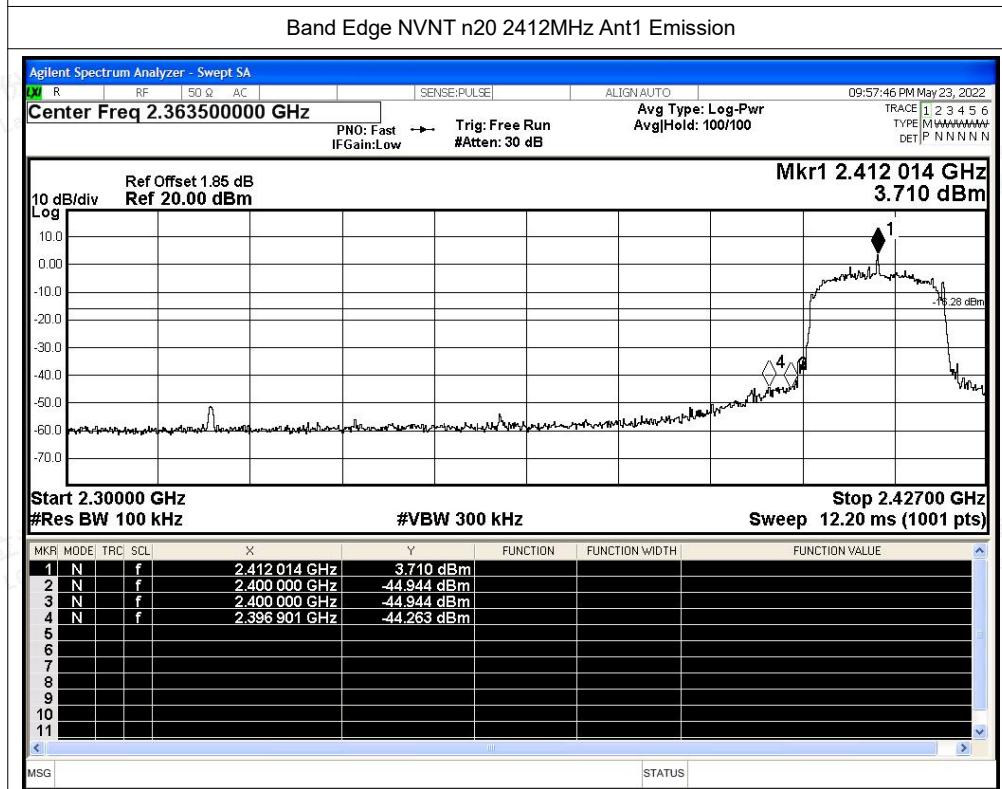
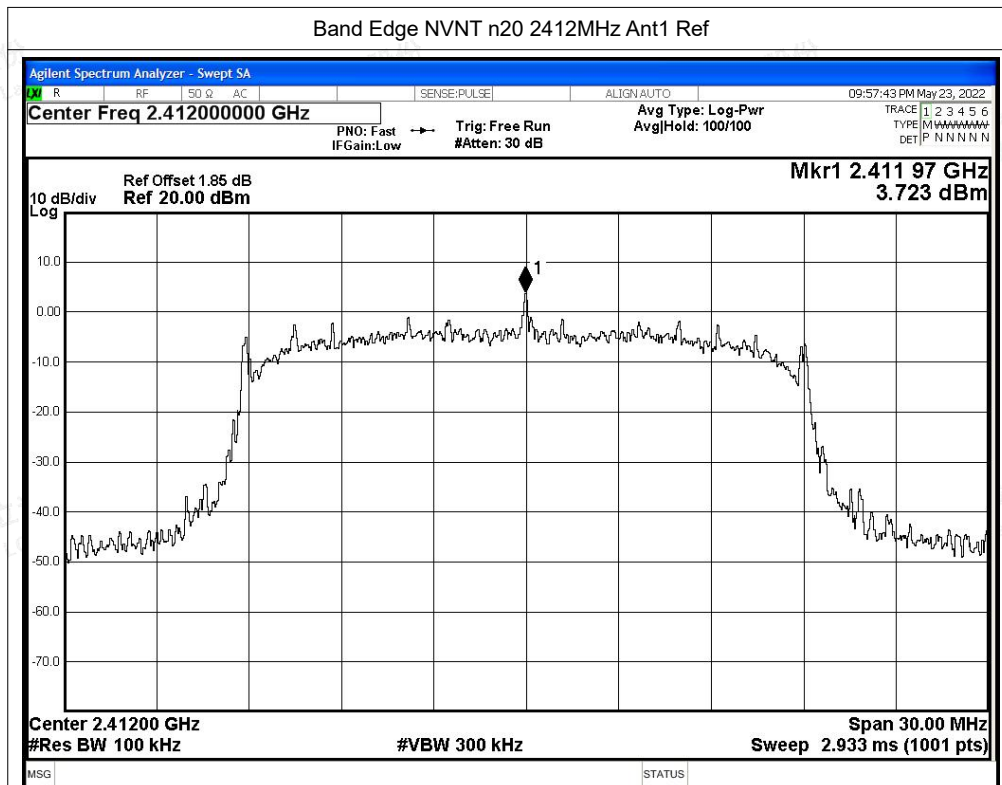


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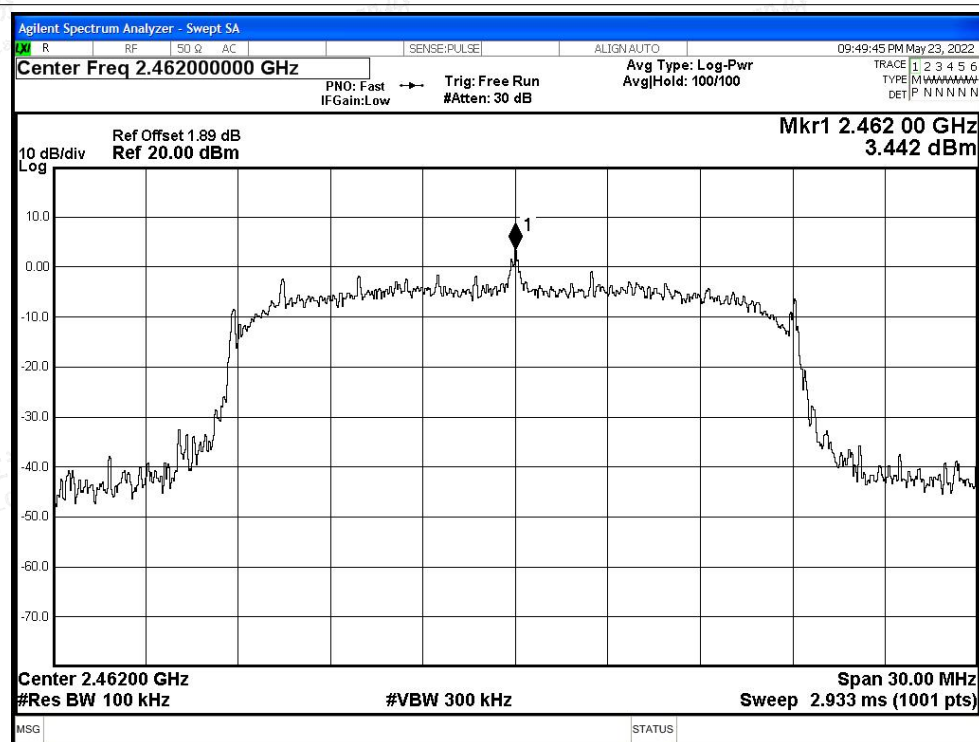
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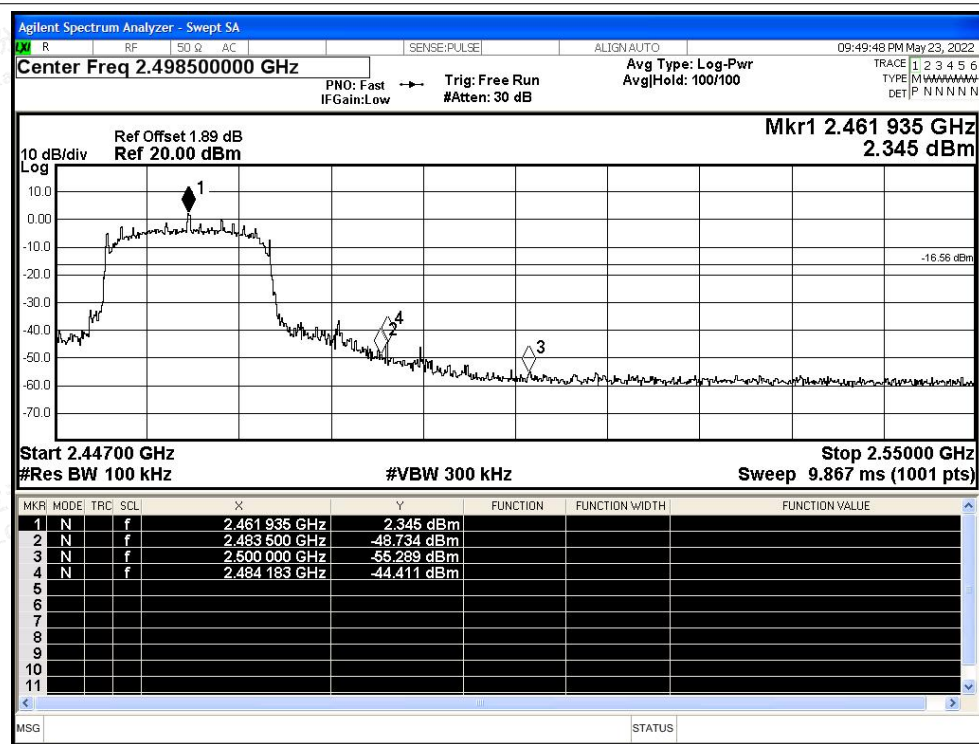
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Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission



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A.6 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.62	-20	Pass
NVNT	b	2437	Ant1	-49.86	-20	Pass
NVNT	b	2462	Ant1	-48.92	-20	Pass
NVNT	g	2412	Ant1	-44.21	-20	Pass
NVNT	g	2437	Ant1	-45.68	-20	Pass
NVNT	g	2462	Ant1	-45.06	-20	Pass
NVNT	n20	2412	Ant1	-46.61	-20	Pass
NVNT	n20	2437	Ant1	-49.46	-20	Pass
NVNT	n20	2462	Ant1	-48.08	-20	Pass



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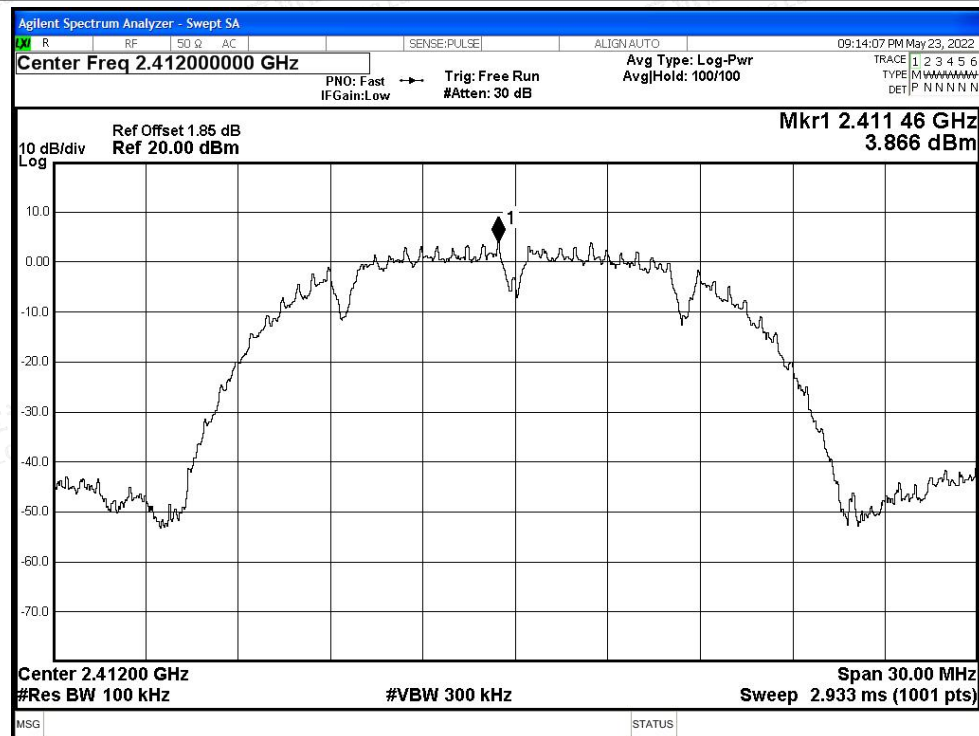
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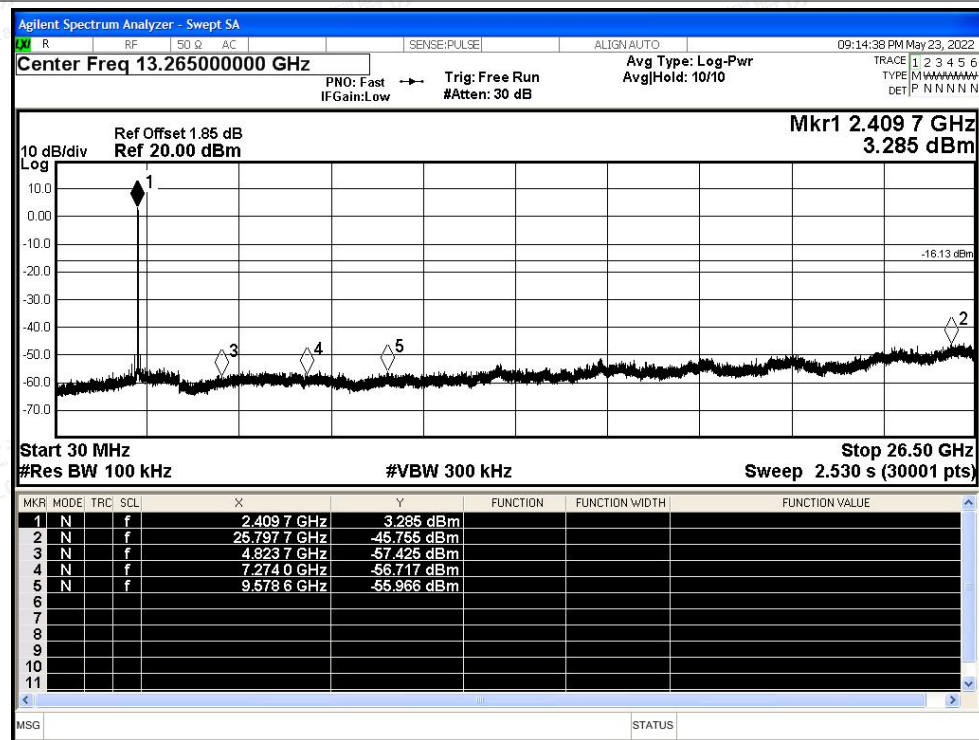


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



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