



Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Wireless Camera

Test Model: IPC7127

Environmental Conditions

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





A.1 -6dB Bandwidth

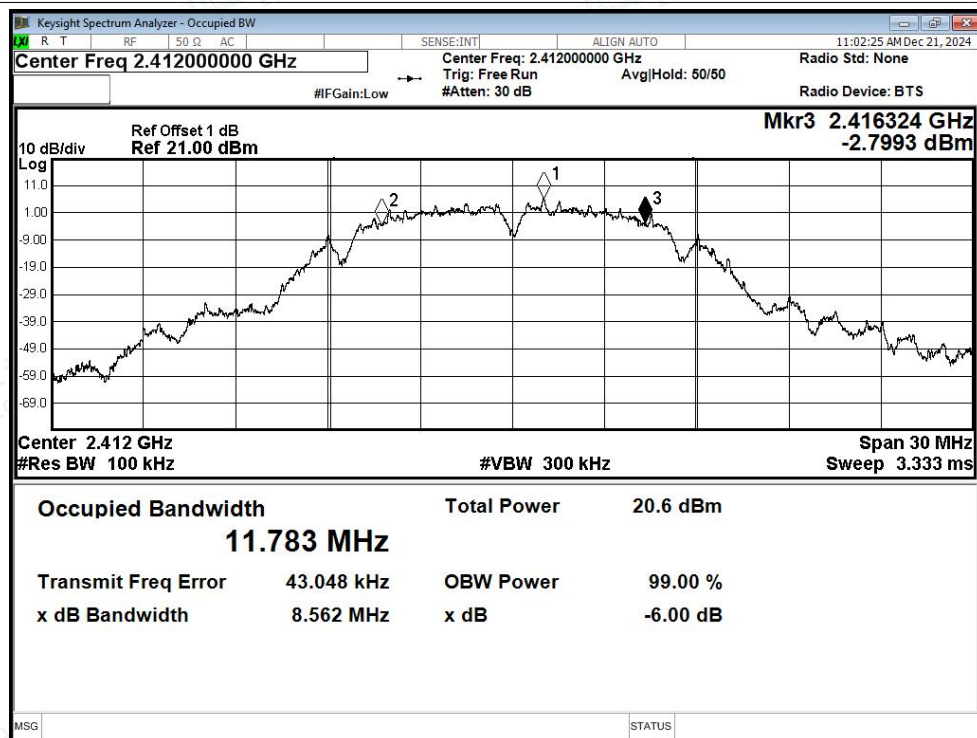
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.562	0.5	Pass
NVNT	b	2437	Ant1	8.524	0.5	Pass
NVNT	b	2462	Ant1	8.533	0.5	Pass
NVNT	g	2412	Ant1	16.093	0.5	Pass
NVNT	g	2437	Ant1	16.33	0.5	Pass
NVNT	g	2462	Ant1	16.081	0.5	Pass
NVNT	n20	2412	Ant1	16.558	0.5	Pass
NVNT	n20	2437	Ant1	17.305	0.5	Pass
NVNT	n20	2462	Ant1	17.086	0.5	Pass



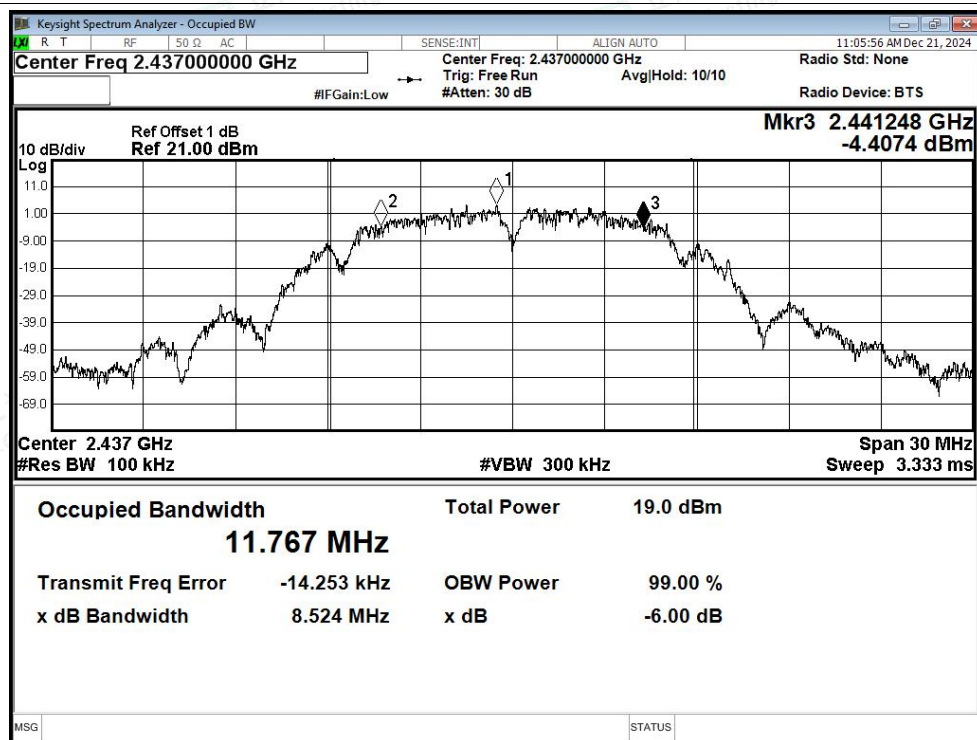


Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1

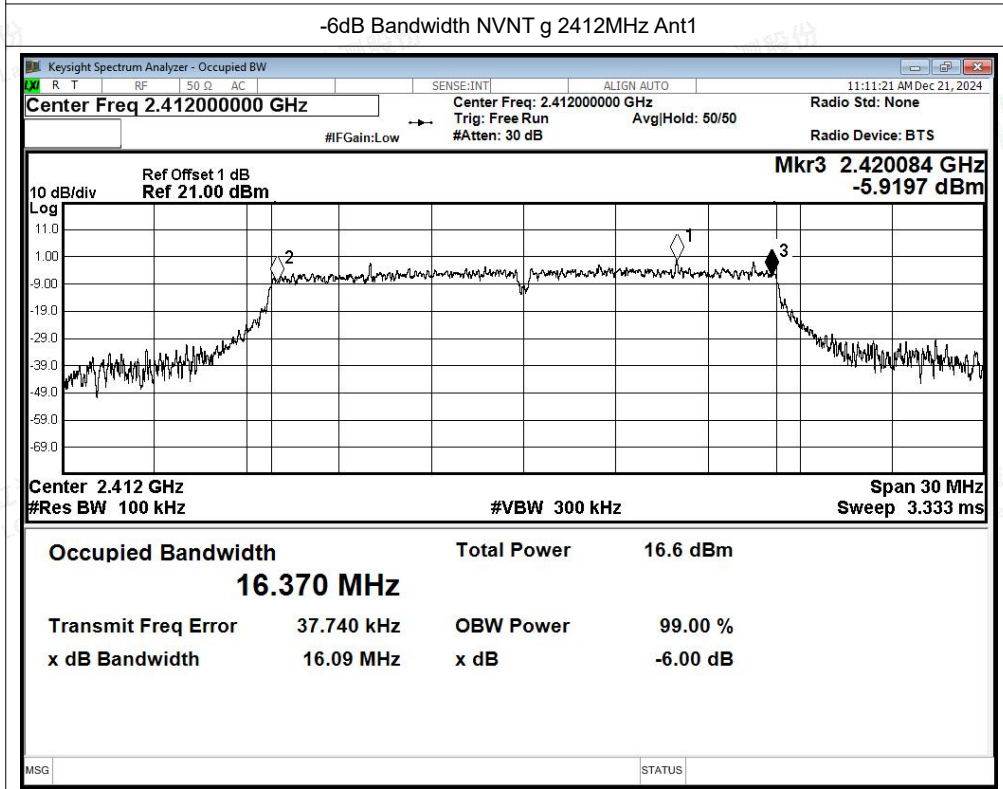
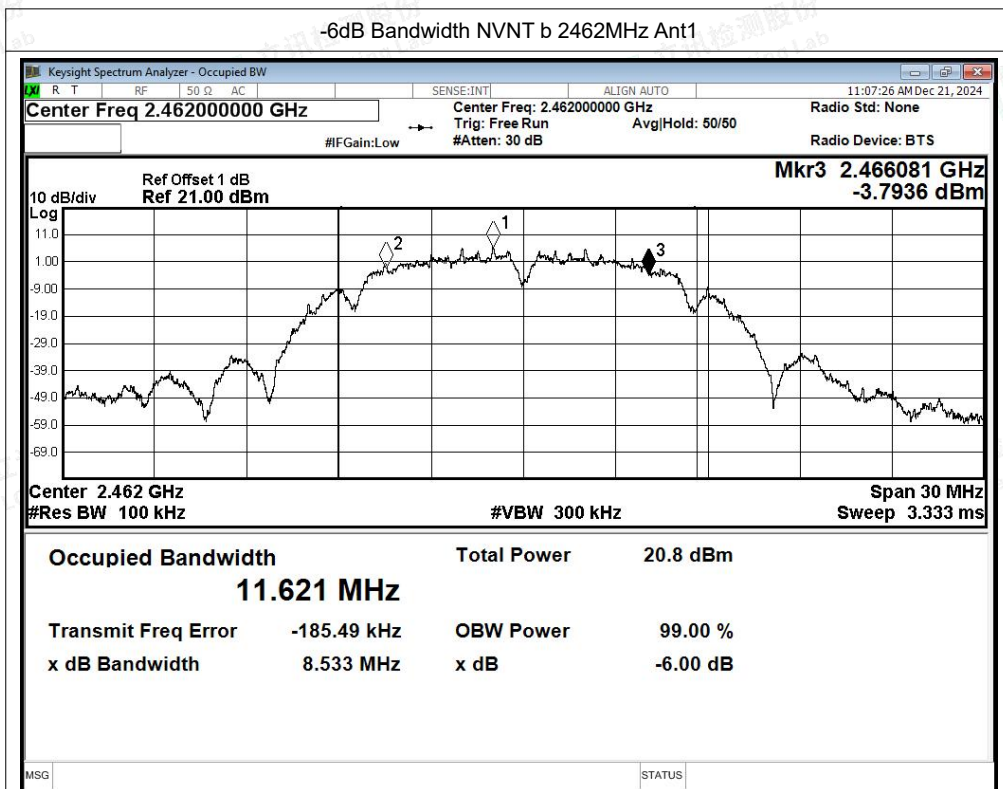


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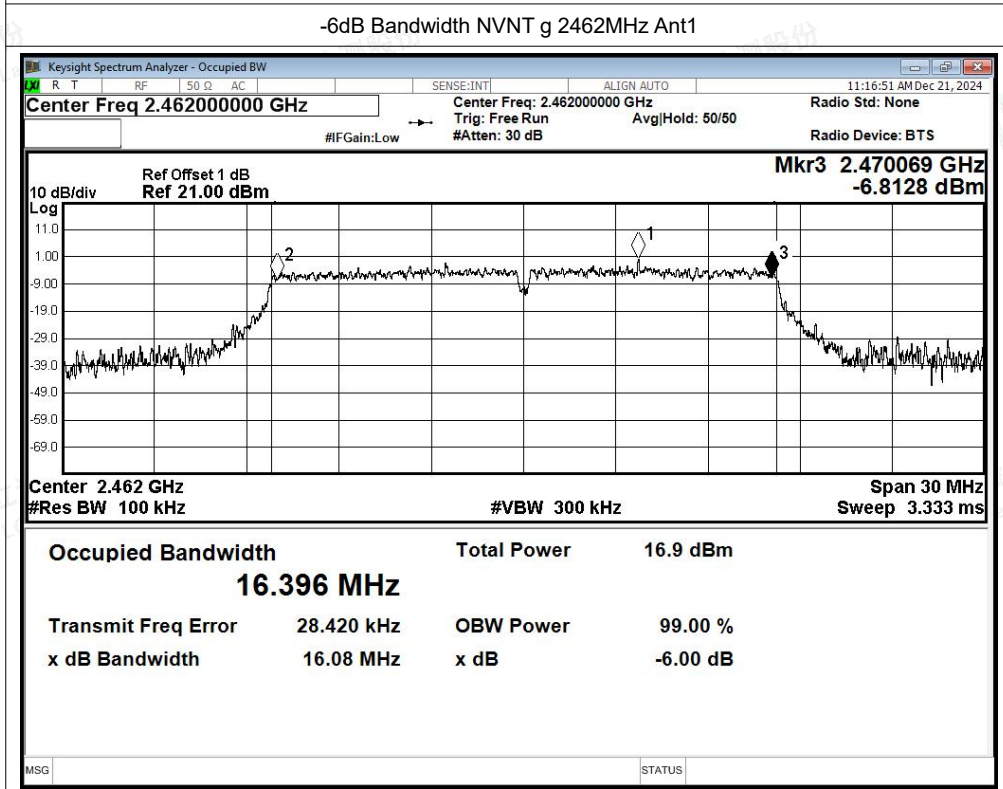
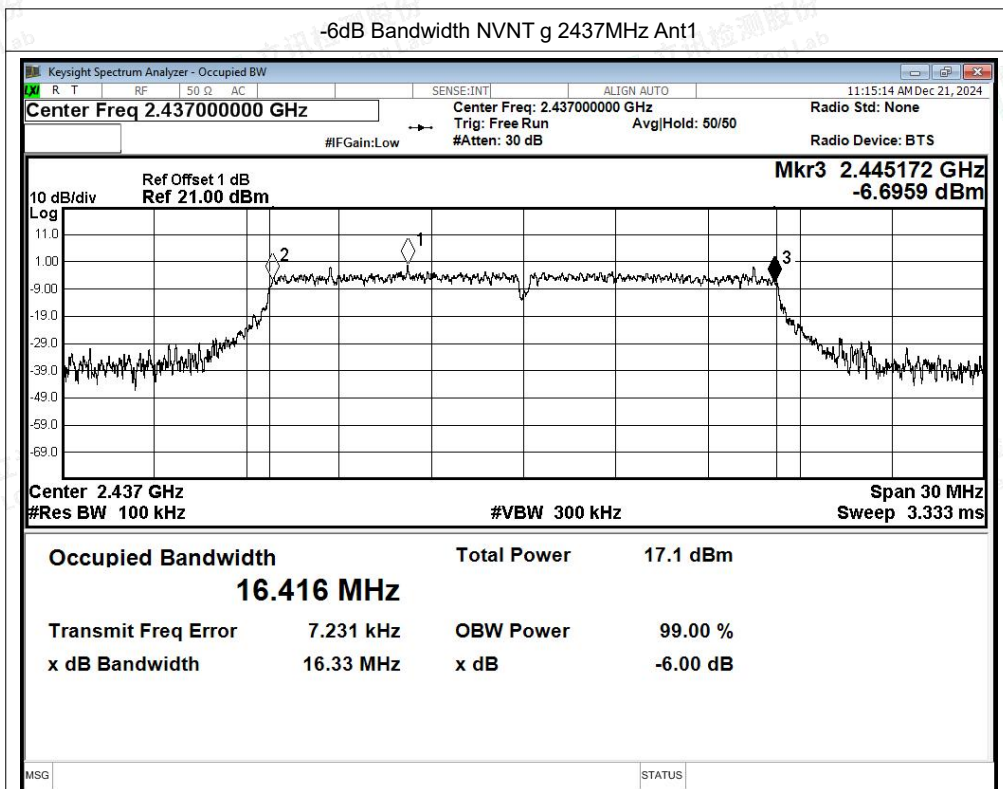


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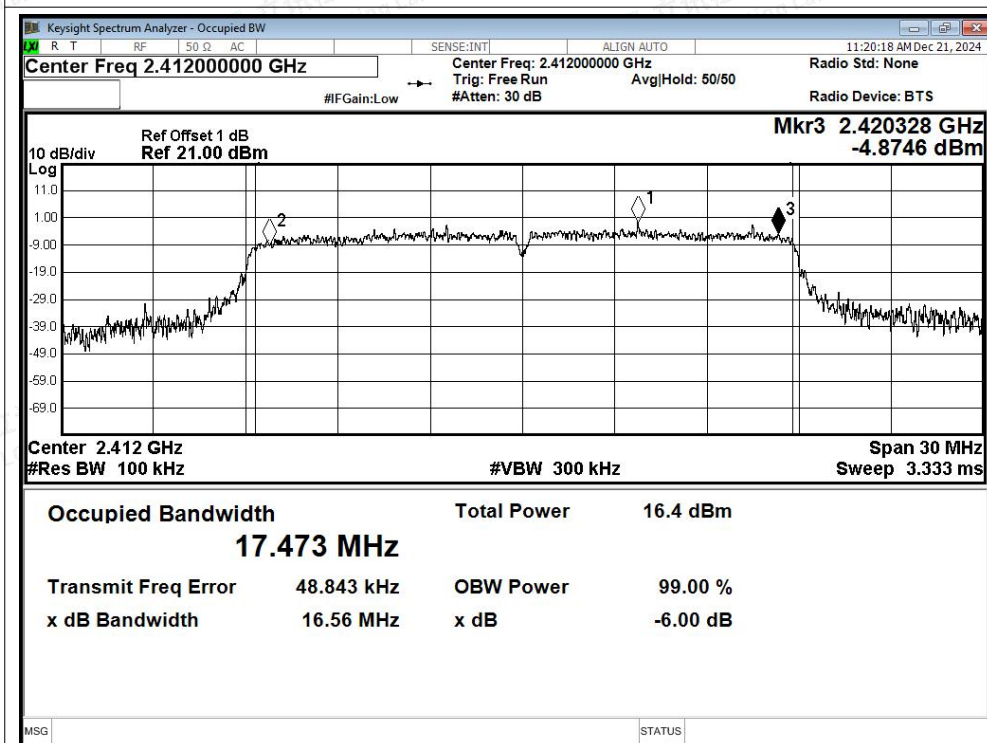
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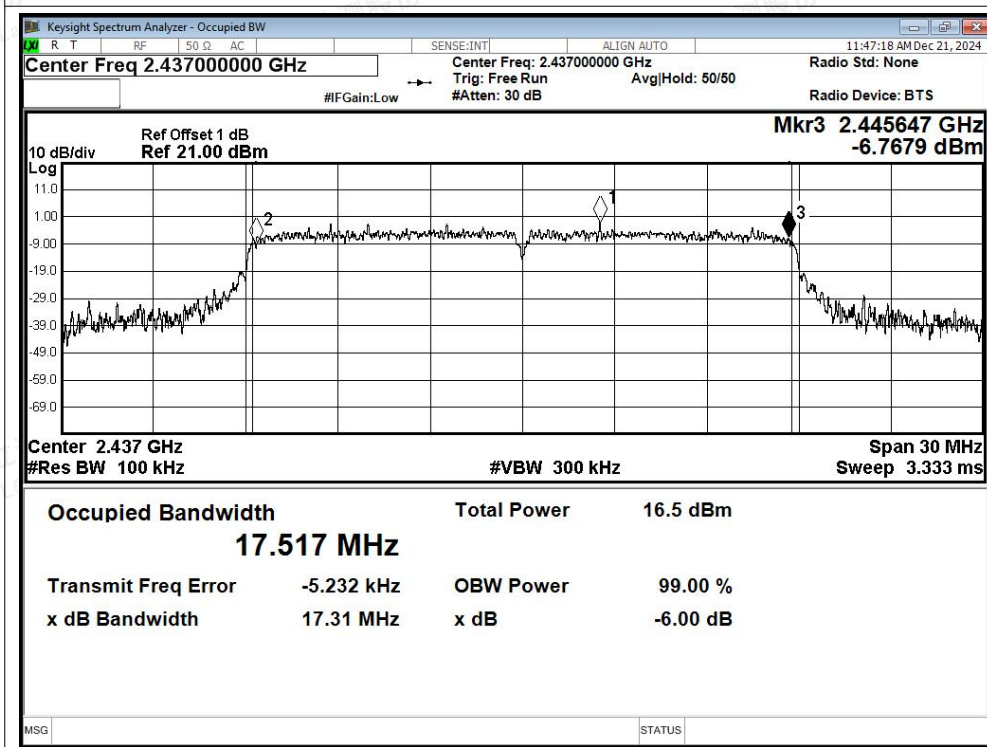
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-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1

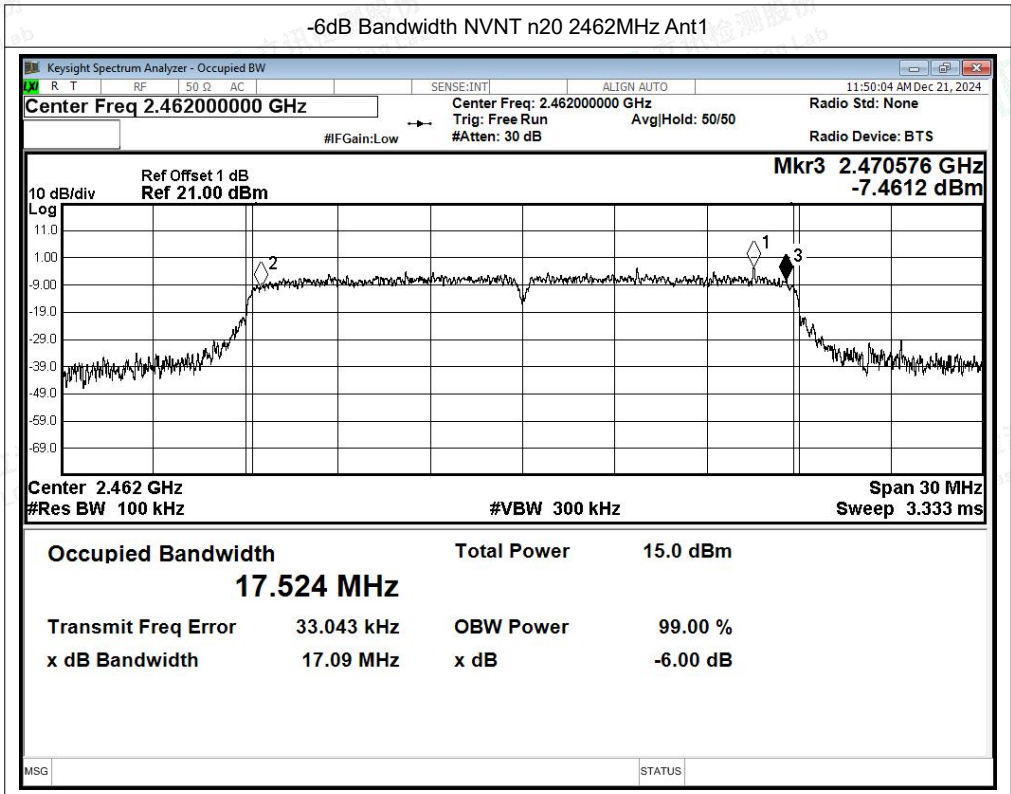


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A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.72	30	Pass
NVNT	b	2437	Ant1	15.71	30	Pass
NVNT	b	2462	Ant1	15.9	30	Pass
NVNT	g	2412	Ant1	14.09	30	Pass
NVNT	g	2437	Ant1	14.5	30	Pass
NVNT	g	2462	Ant1	14.53	30	Pass
NVNT	n20	2412	Ant1	13.52	30	Pass
NVNT	n20	2437	Ant1	13.51	30	Pass
NVNT	n20	2462	Ant1	13.93	30	Pass



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A.3 Maximum Power Spectral Density Level

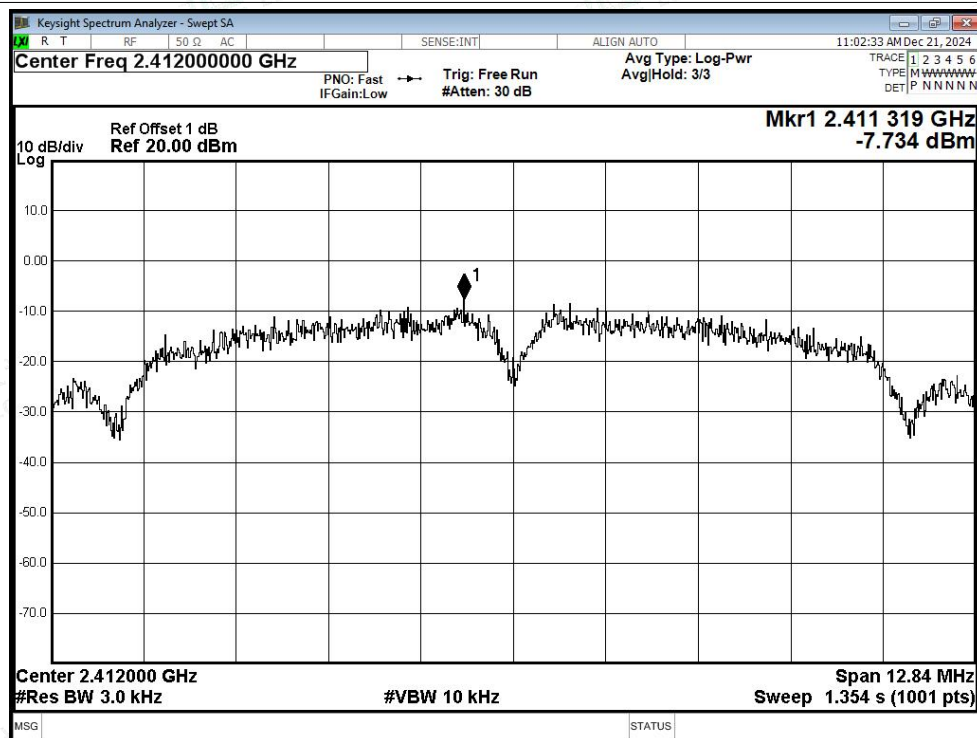
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-7.73	0	-7.73	8	Pass
NVNT	b	2437	Ant1	-7.65	0	-7.65	8	Pass
NVNT	b	2462	Ant1	-7.95	0	-7.95	8	Pass
NVNT	g	2412	Ant1	-14.8	0	-14.8	8	Pass
NVNT	g	2437	Ant1	-14.63	0	-14.63	8	Pass
NVNT	g	2462	Ant1	-14.25	0	-14.25	8	Pass
NVNT	n20	2412	Ant1	-14.71	0	-14.71	8	Pass
NVNT	n20	2437	Ant1	-14.94	0	-14.94	8	Pass
NVNT	n20	2462	Ant1	-16.87	0	-16.87	8	Pass



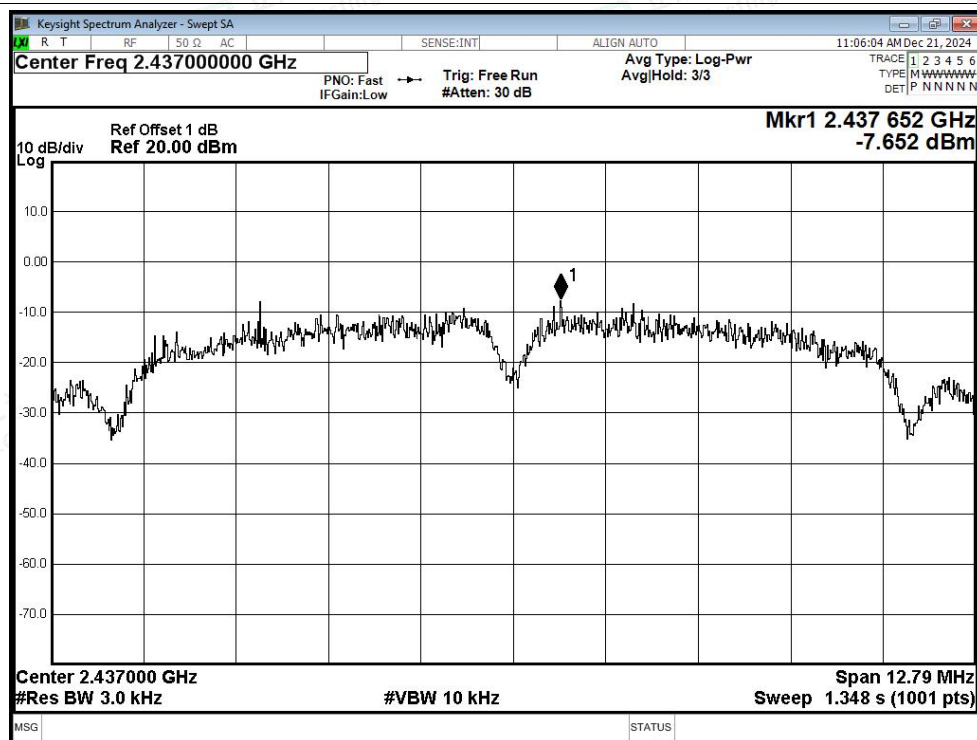


Test Graphs

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1

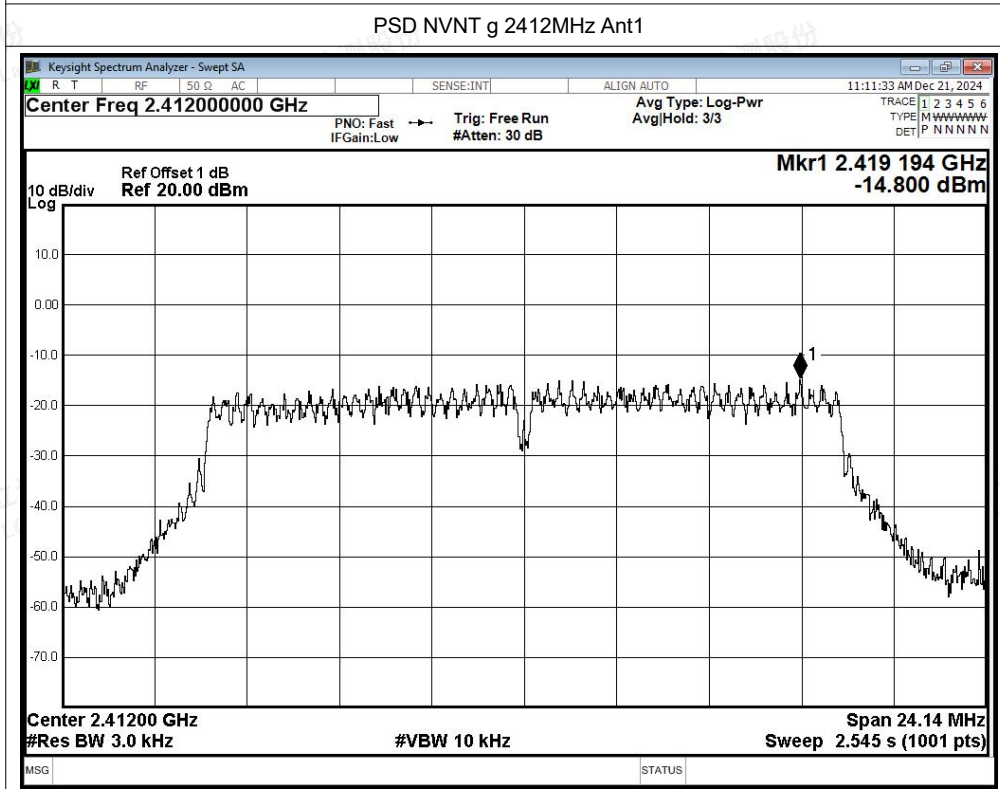
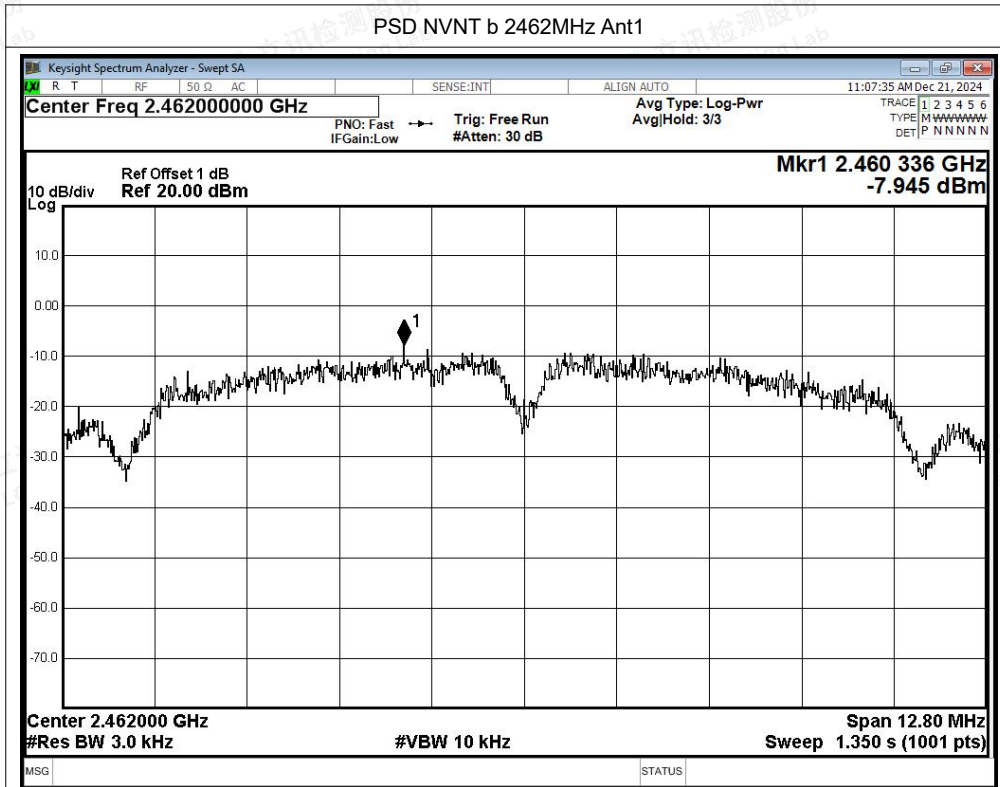


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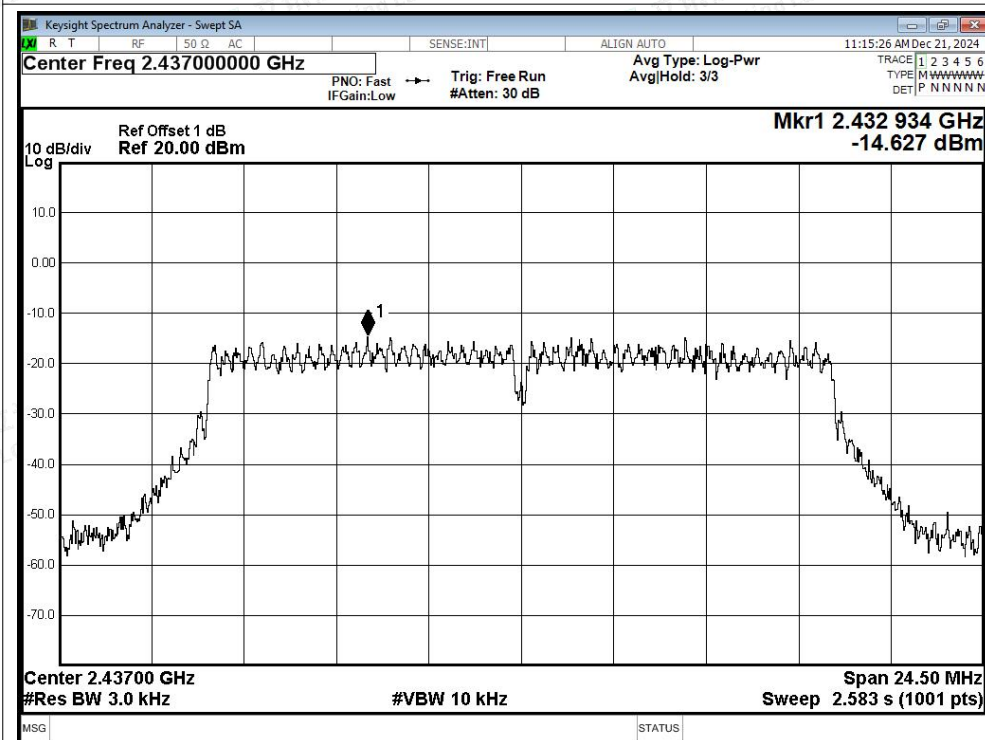
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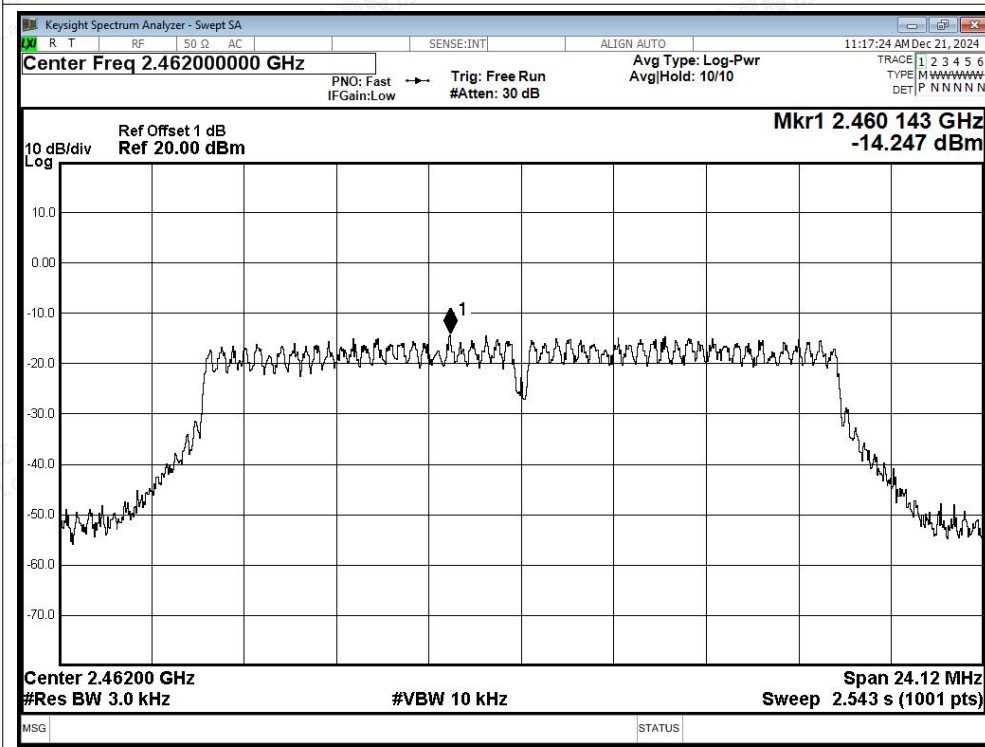




PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1

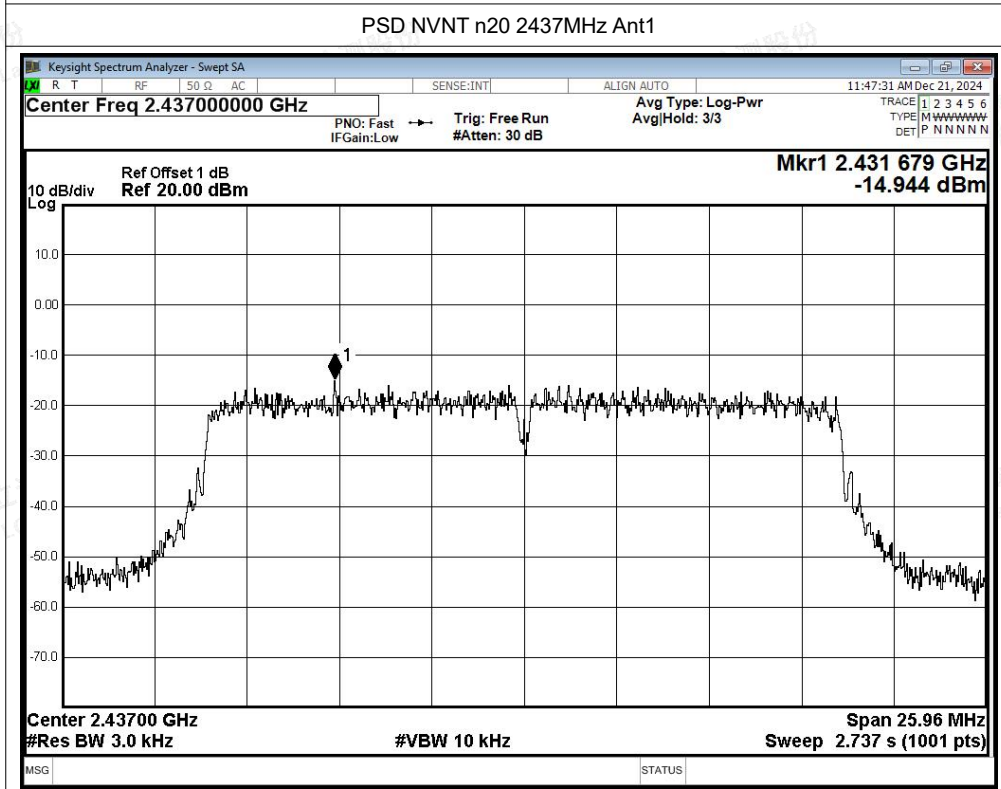
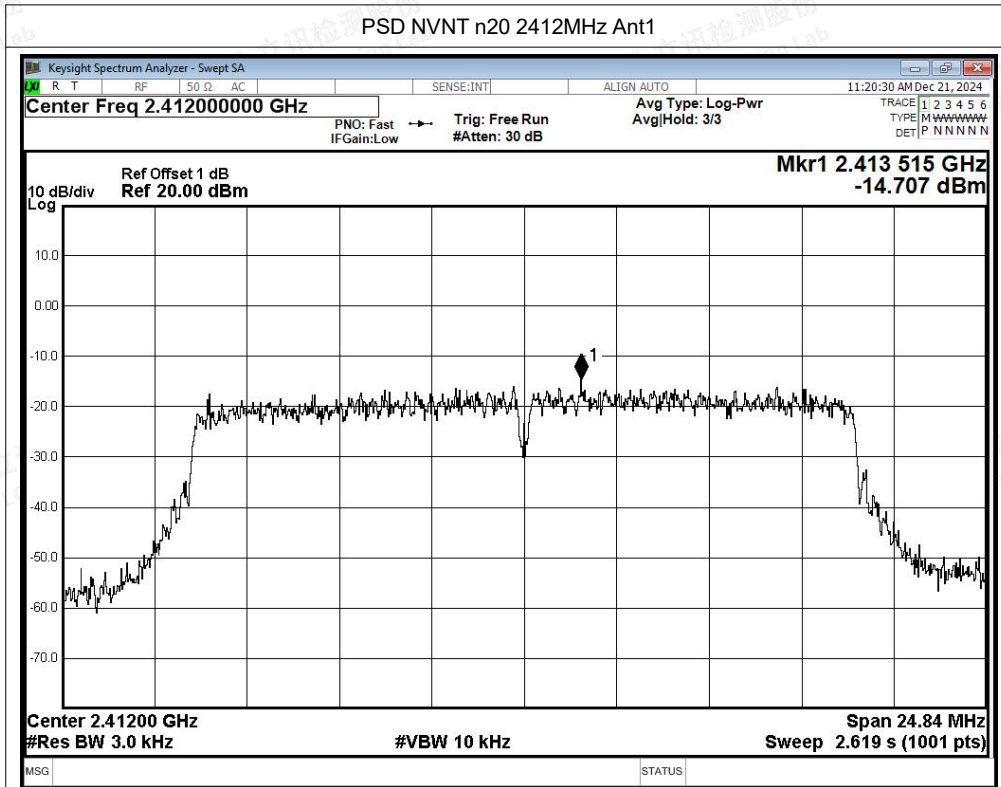


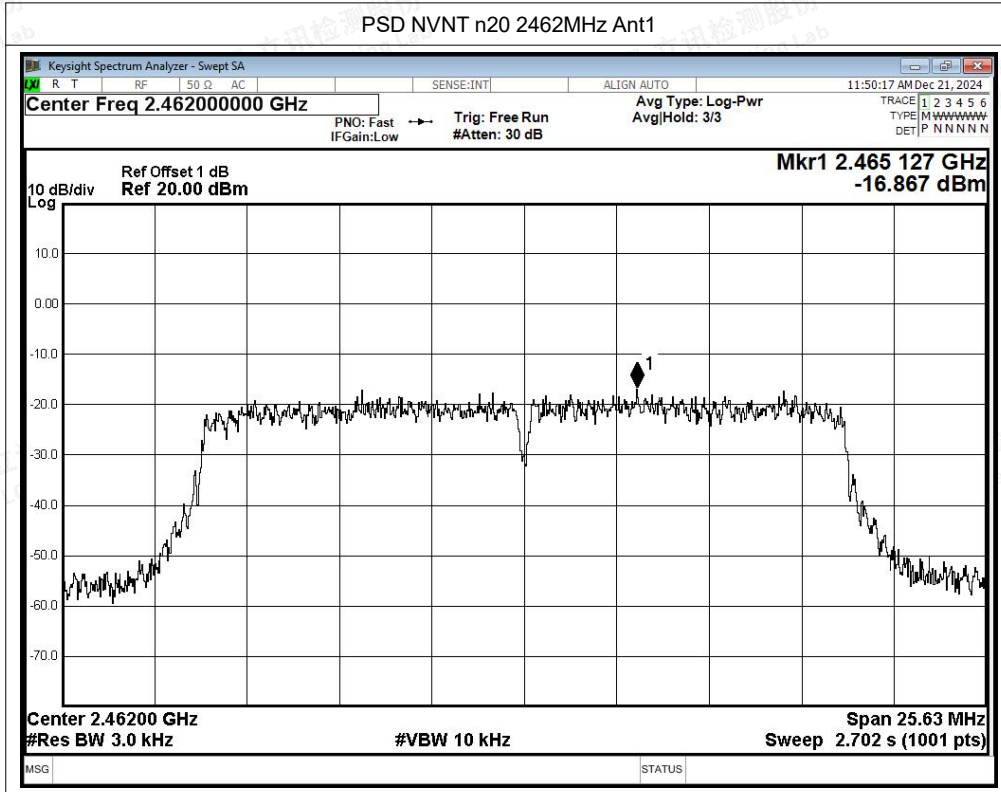
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A.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.05	-20	Pass
NVNT	b	2462	Ant1	-62.33	-20	Pass
NVNT	g	2412	Ant1	-36.52	-20	Pass
NVNT	g	2462	Ant1	-43.61	-20	Pass
NVNT	n20	2412	Ant1	-35.53	-20	Pass
NVNT	n20	2462	Ant1	-41.53	-20	Pass

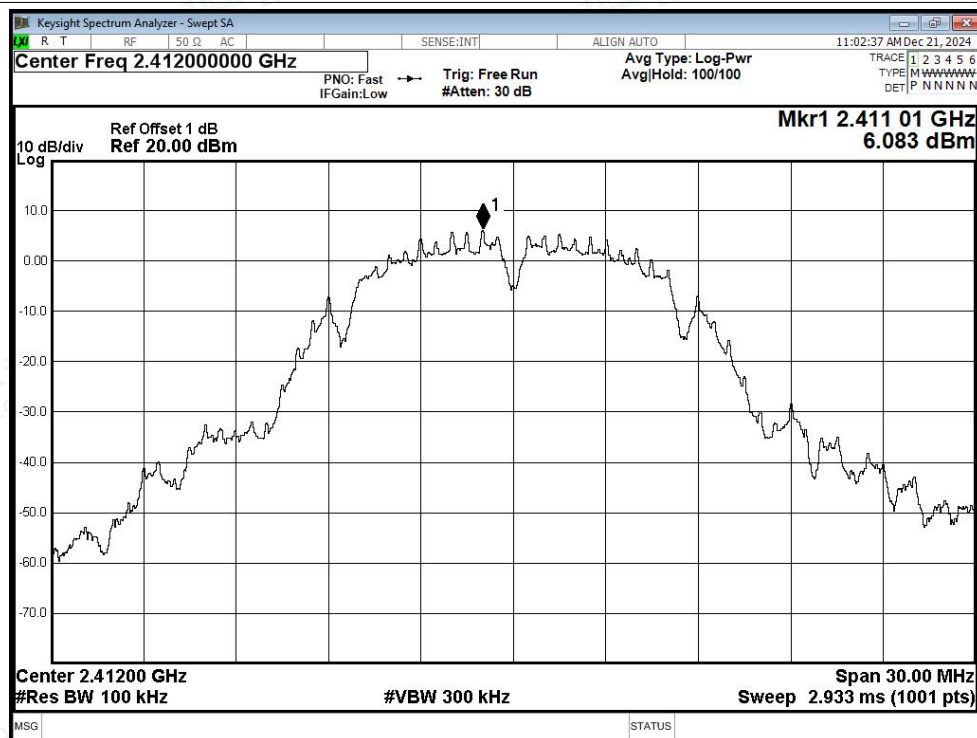


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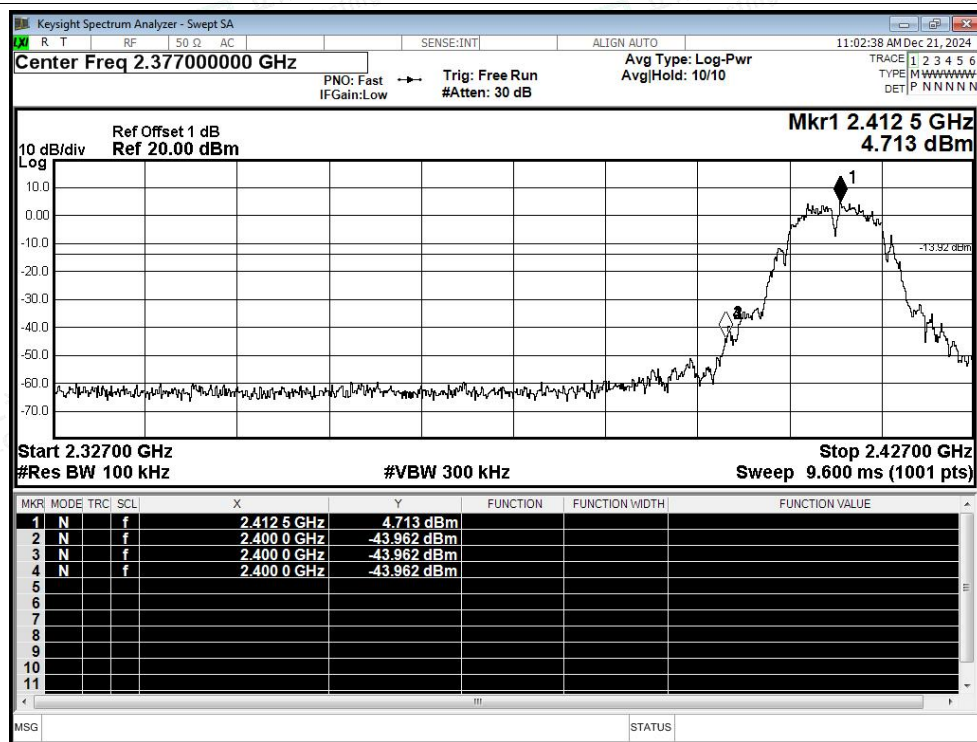


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission

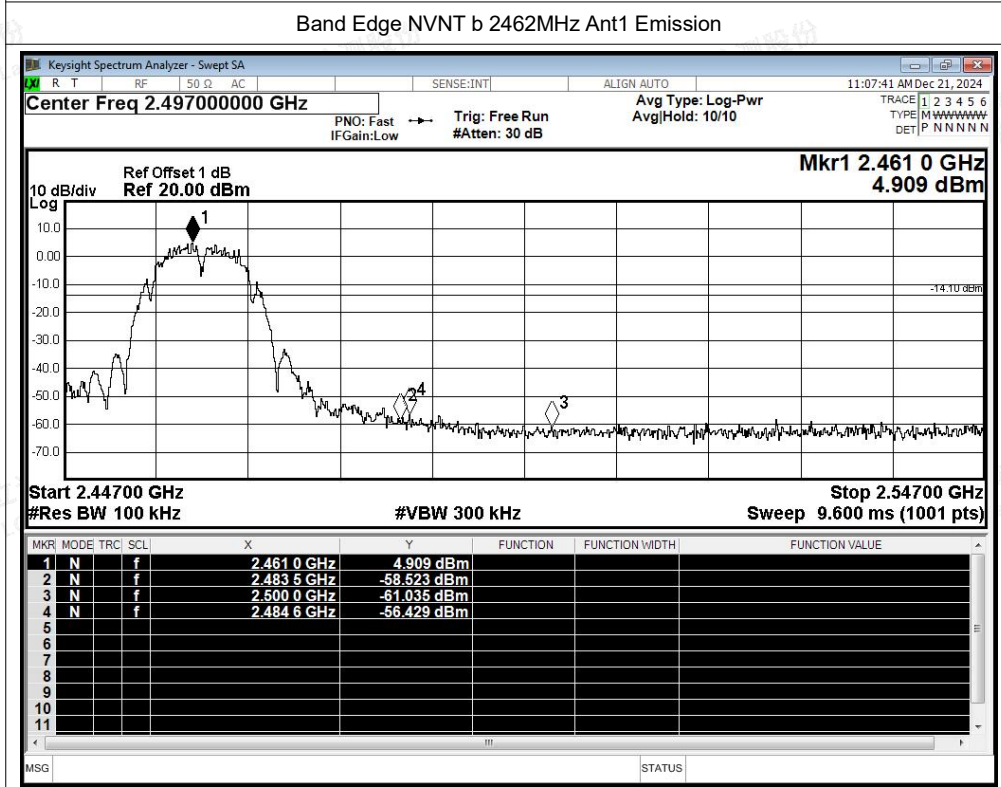
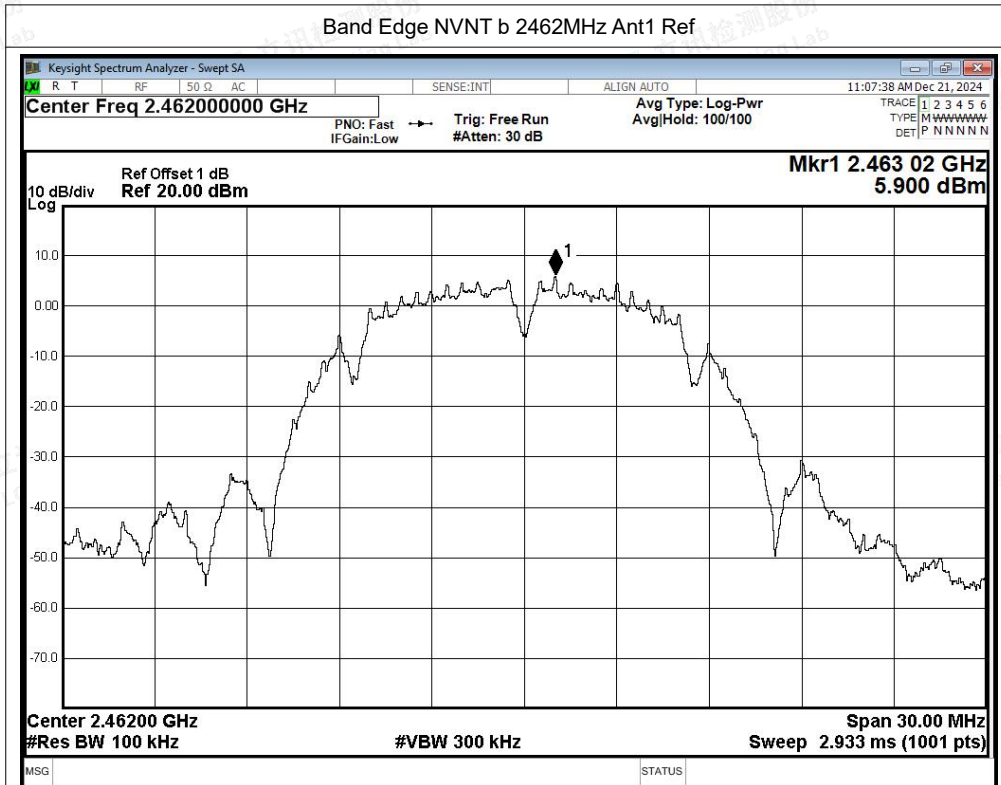


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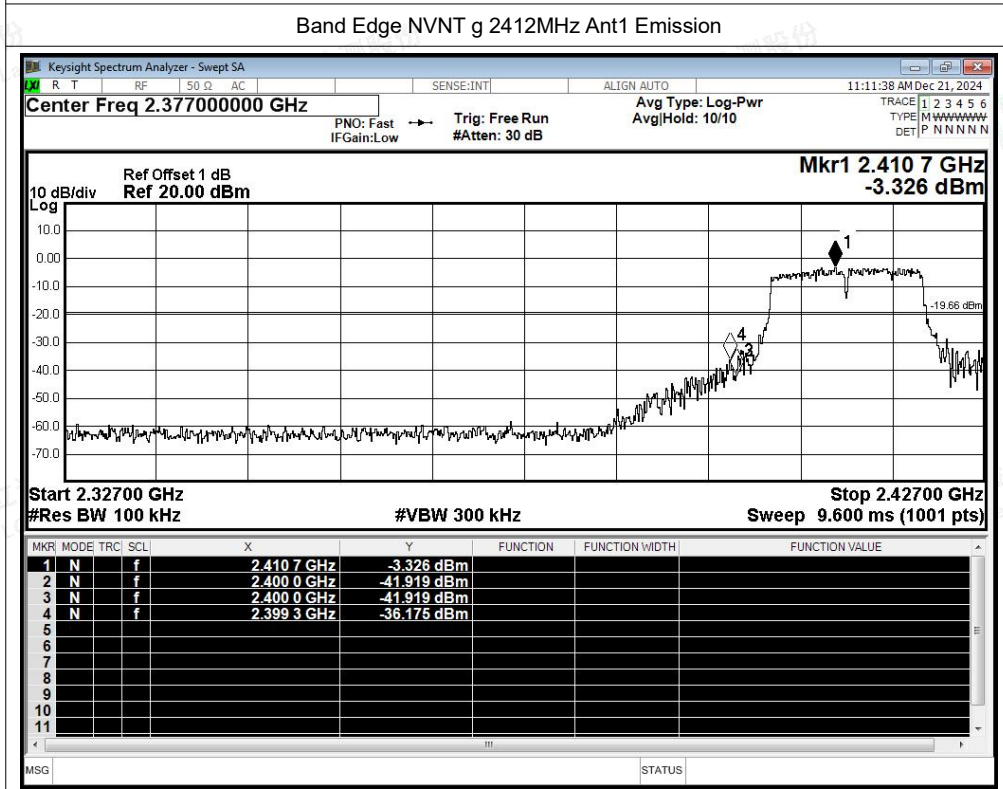
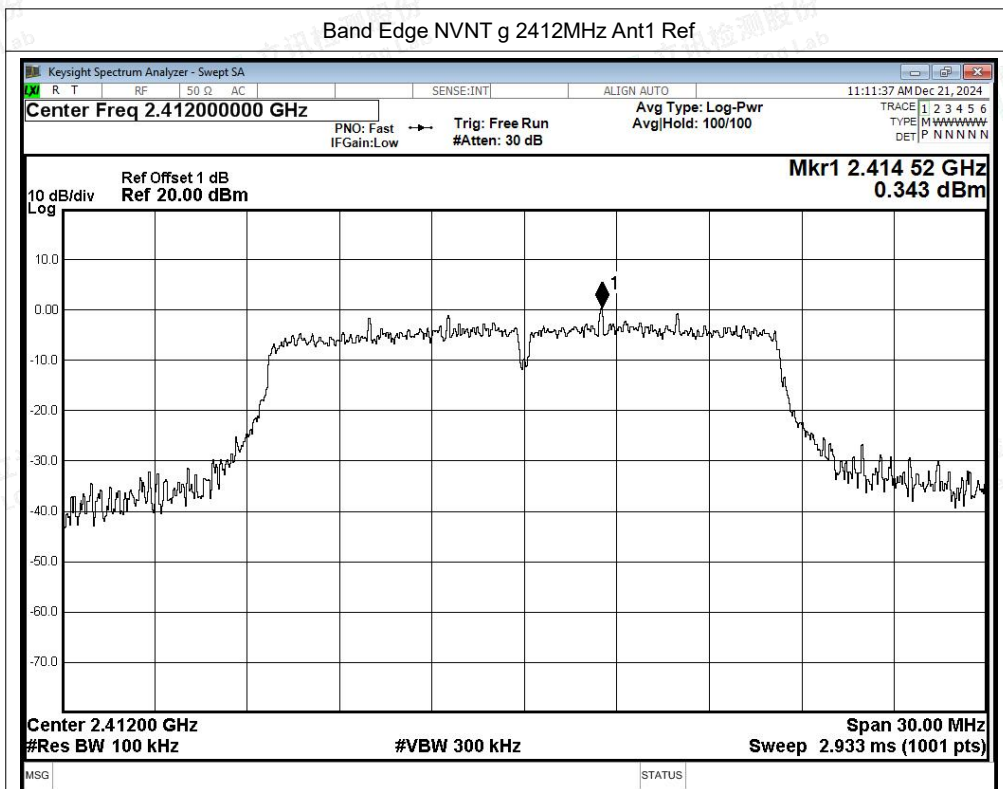


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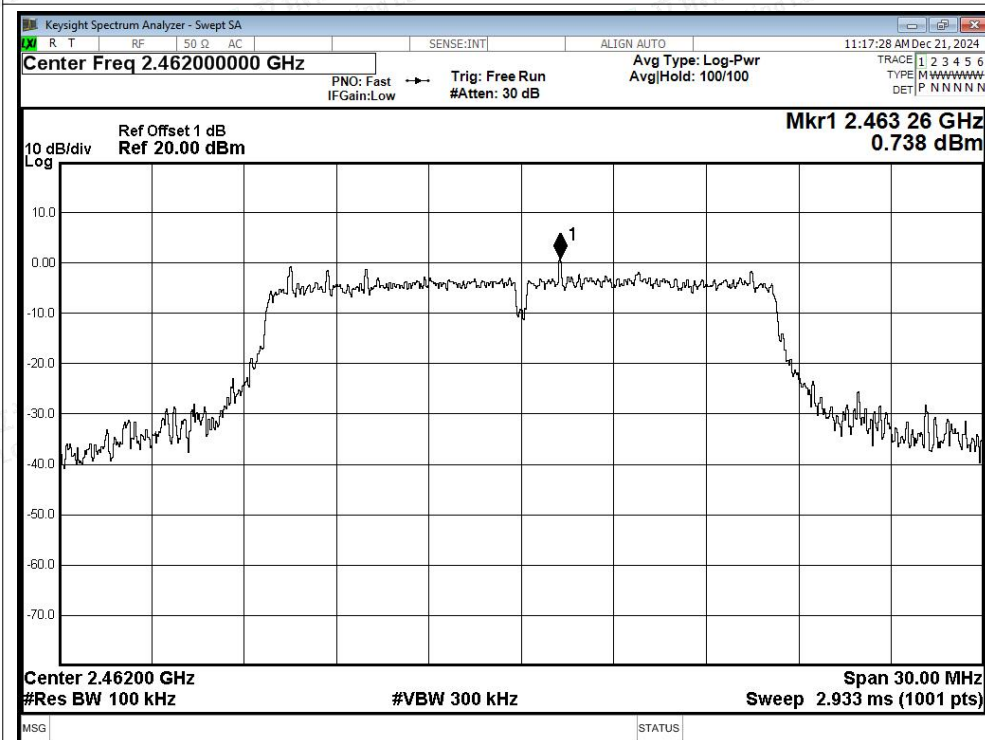
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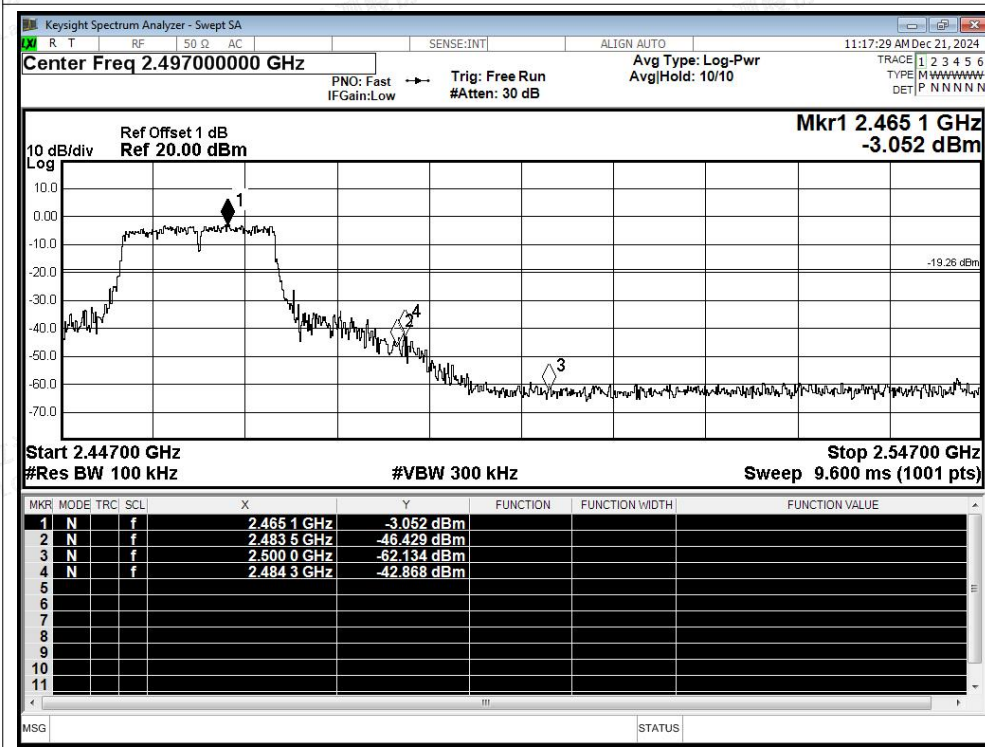
Scan code to check authenticity



Band Edge NVNT g 2462MHz Ant1 Ref



Band Edge NVNT g 2462MHz Ant1 Emission

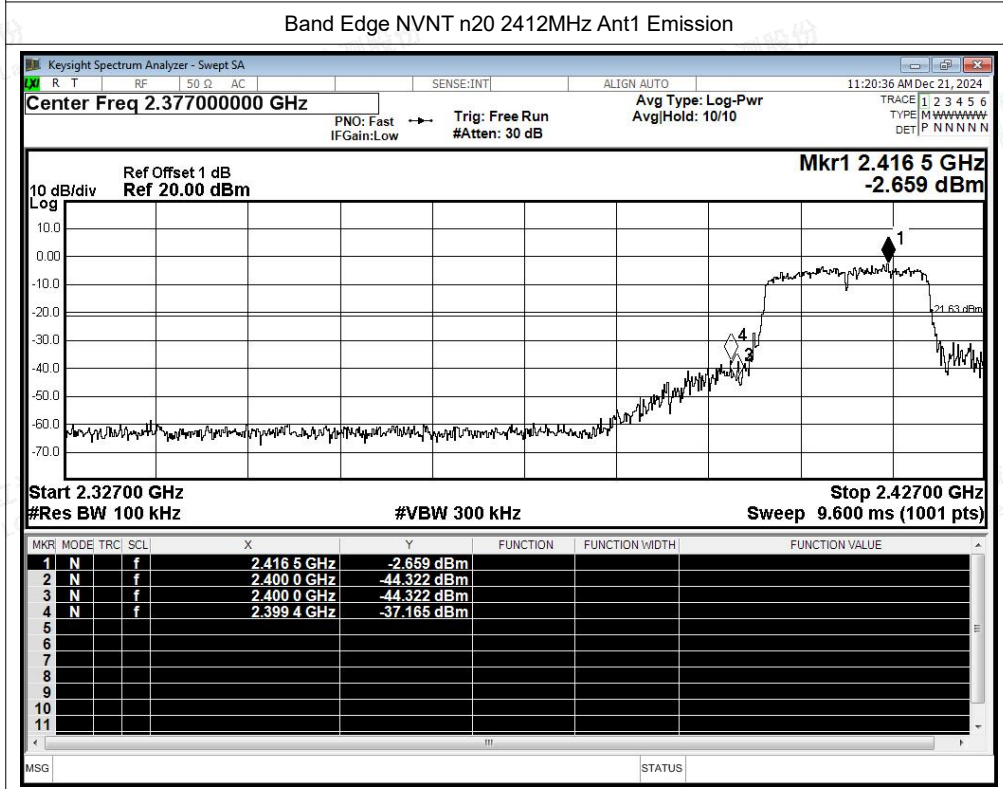
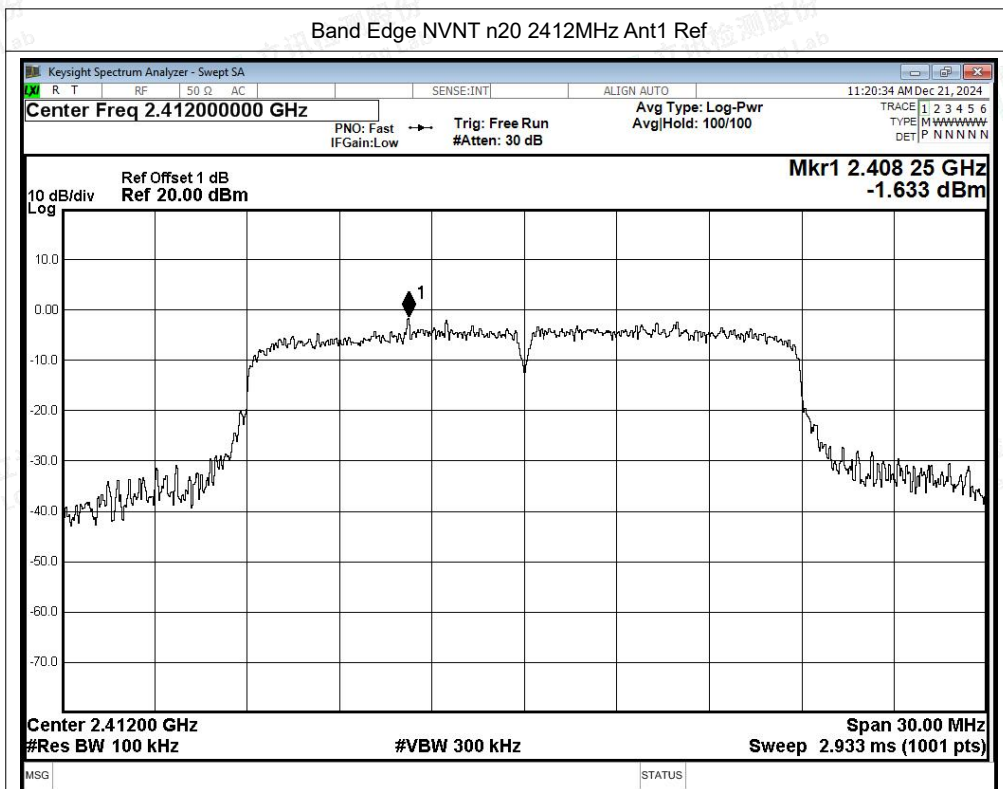


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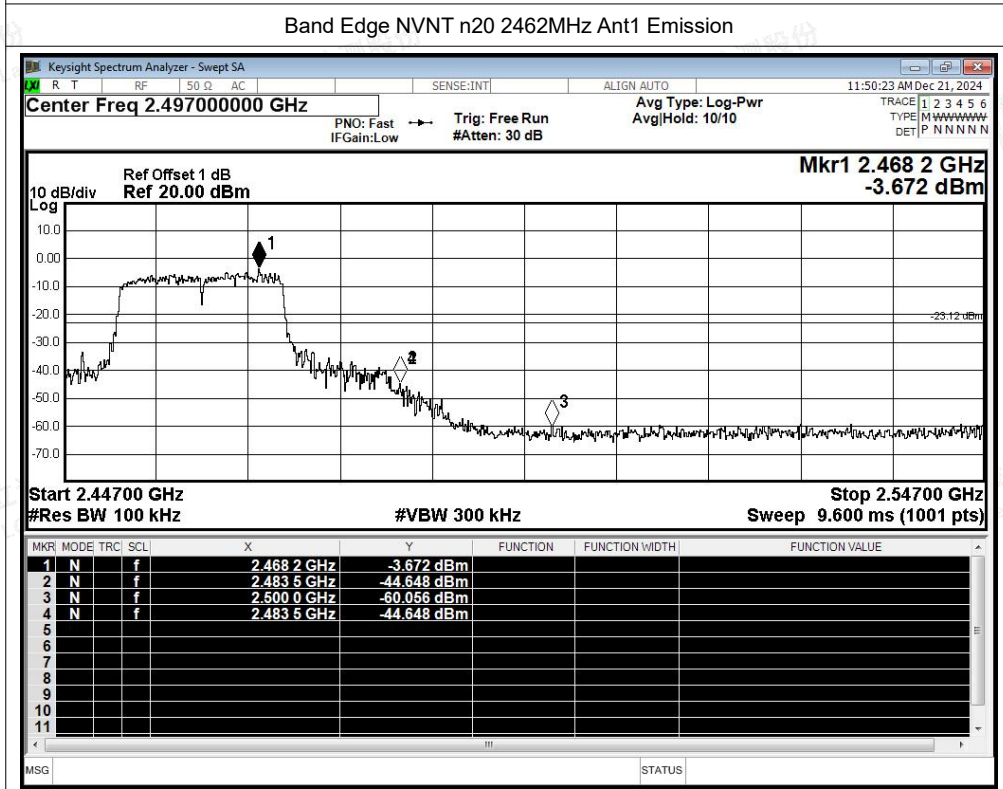
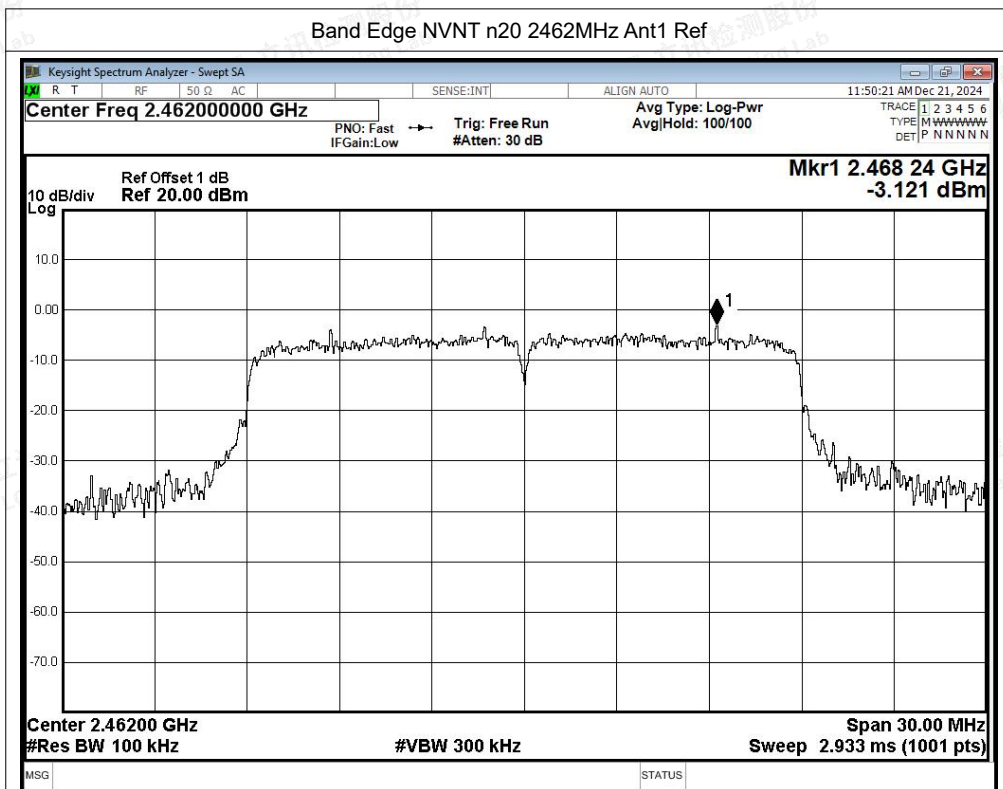


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A.5 Conducted RF Spurious Emission

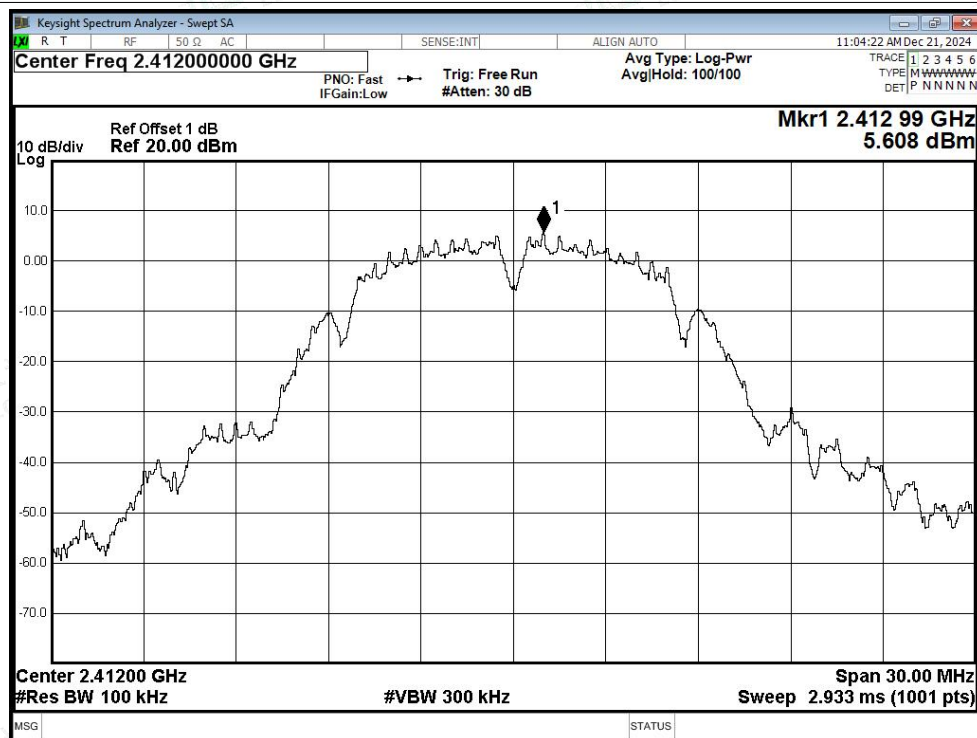
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-51.92	-20	Pass
NVNT	b	2437	Ant1	-52.3	-20	Pass
NVNT	b	2462	Ant1	-51.76	-20	Pass
NVNT	g	2412	Ant1	-44.28	-20	Pass
NVNT	g	2437	Ant1	-44.79	-20	Pass
NVNT	g	2462	Ant1	-46.17	-20	Pass
NVNT	n20	2412	Ant1	-44.33	-20	Pass
NVNT	n20	2437	Ant1	-44.55	-20	Pass
NVNT	n20	2462	Ant1	-42.69	-20	Pass



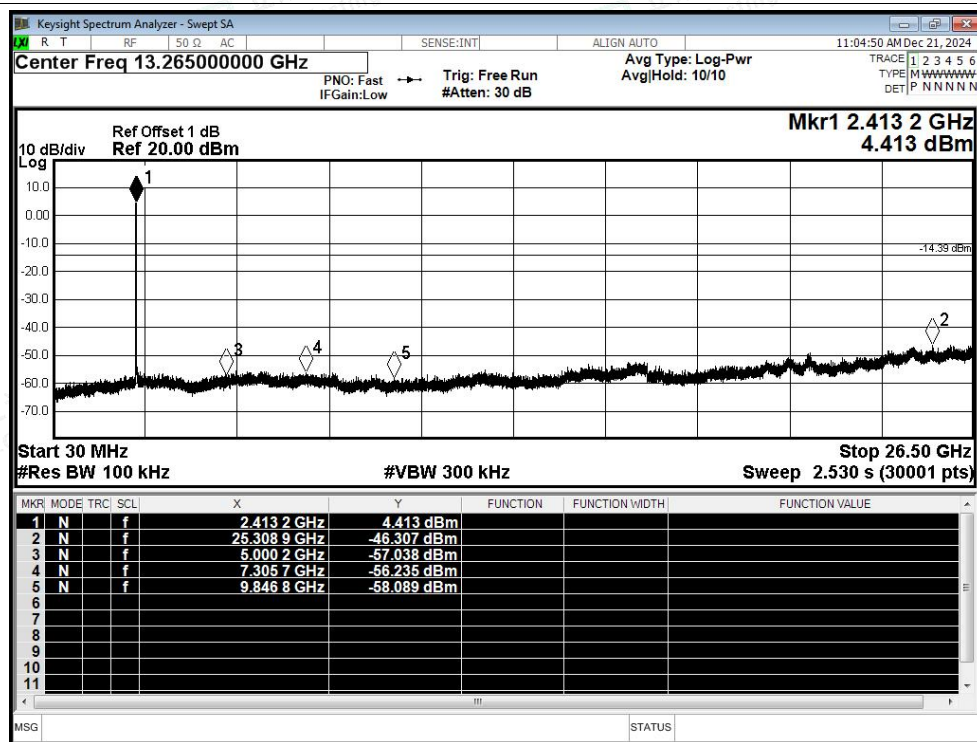


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



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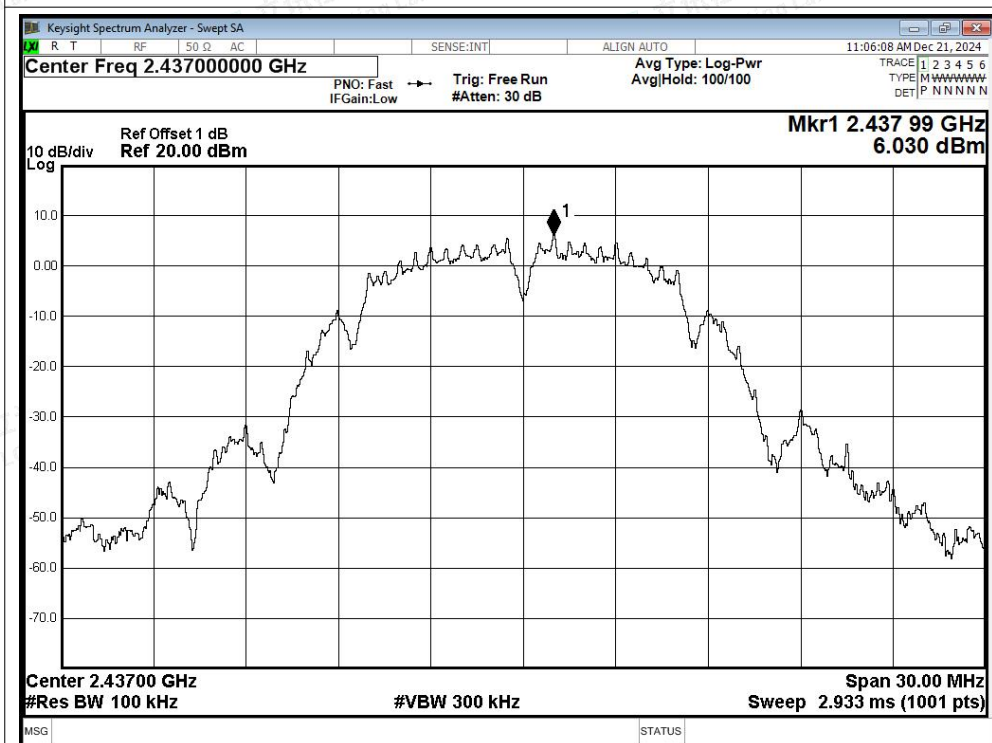
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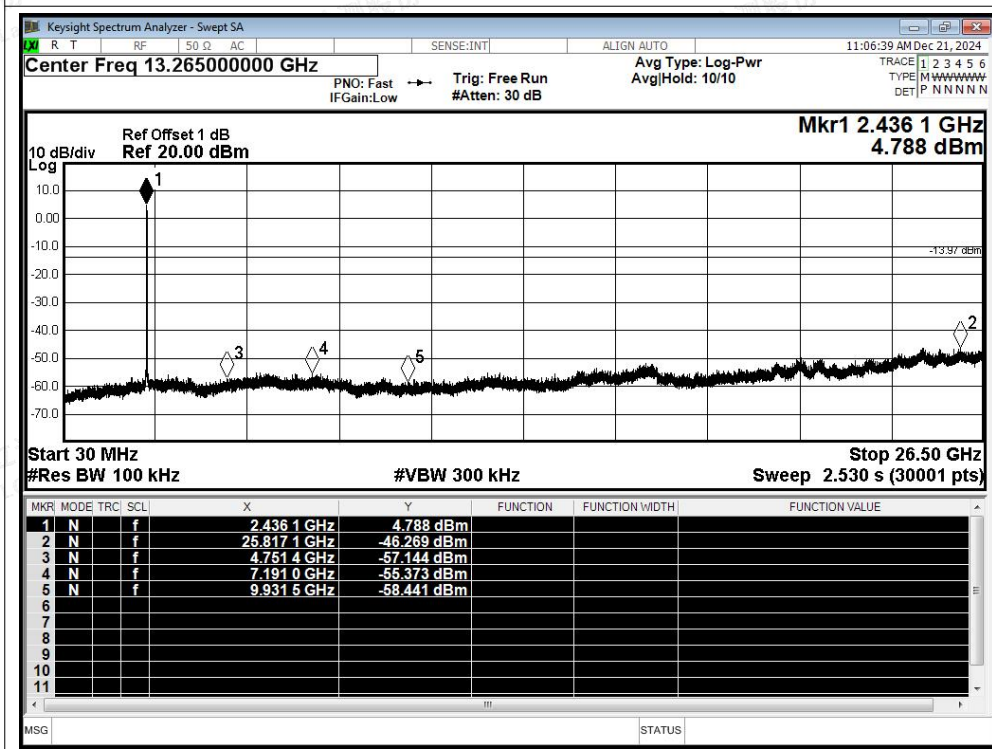
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Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



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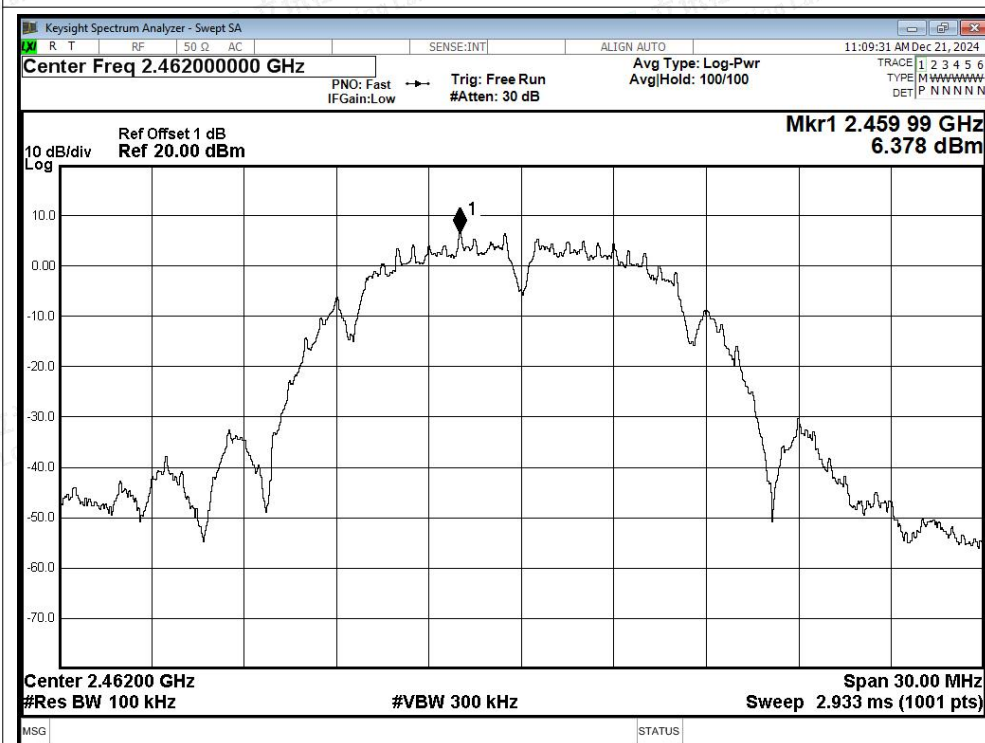
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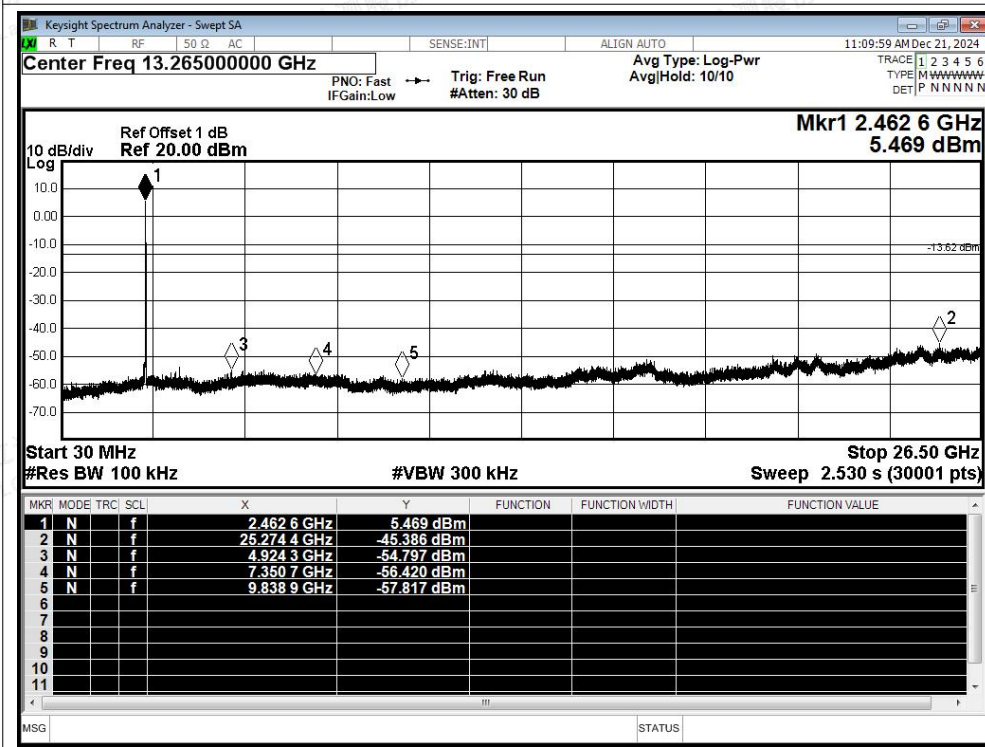
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Tx. Spurious NVNT b 2462MHz Ant1 Ref



Tx. Spurious NVNT b 2462MHz Ant1 Emission



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