



Appendix A

RF Test Data for 915 (Conducted Measurement)

Product Name: Transceiver Module

Test Model: RF-CC1101-915

Environmental Conditions

Temperature:	24.2 ° C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Paddi Chen



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A.1 -6dB Bandwidth

Condition	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	905	Ant1	0.961	≥ 0.5	Pass
NVNT	915	Ant1	0.96	≥ 0.5	Pass
NVNT	925	Ant1	0.945	≥ 0.5	Pass

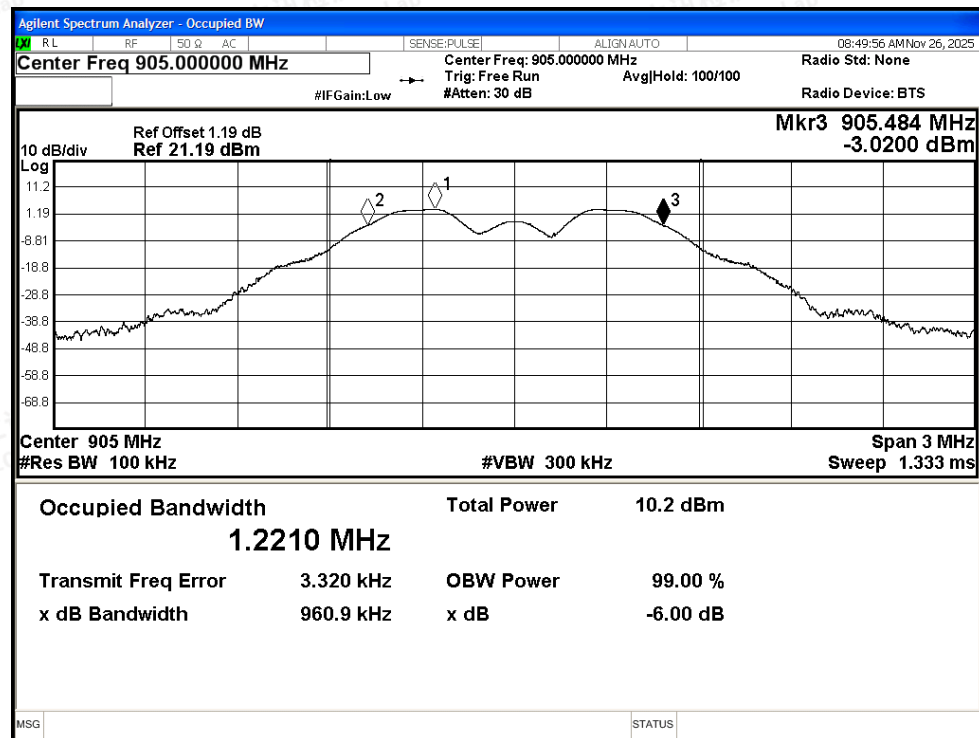


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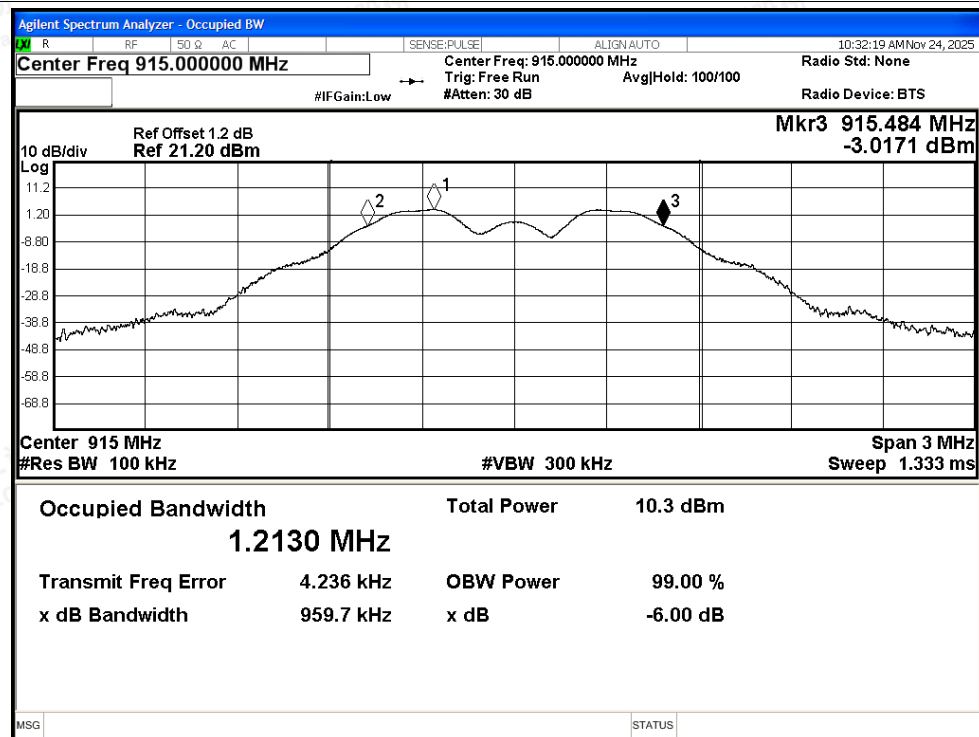


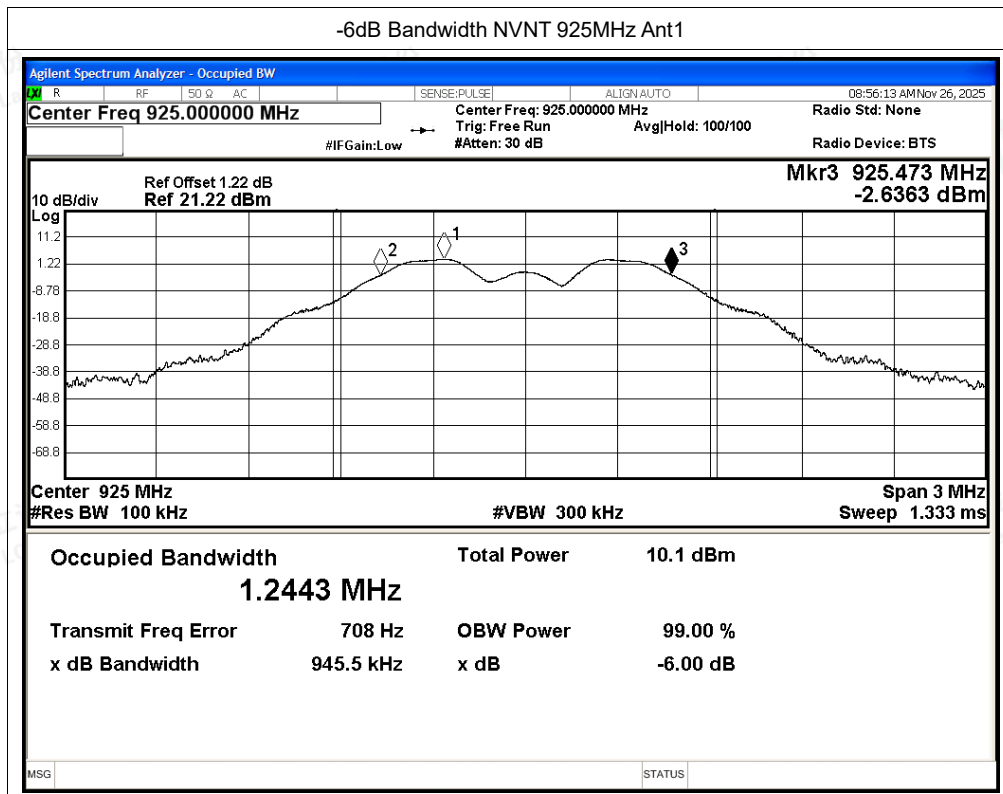
Test Graphs

-6dB Bandwidth NVNT 905MHz Ant1



-6dB Bandwidth NVNT 915MHz Ant1







A.2 Maximum Peak Conducted Output Power

Condition	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	905	Ant1	8.43	30	Pass
NVNT	915	Ant1	8.62	30	Pass
NVNT	925	Ant1	8.37	30	Pass

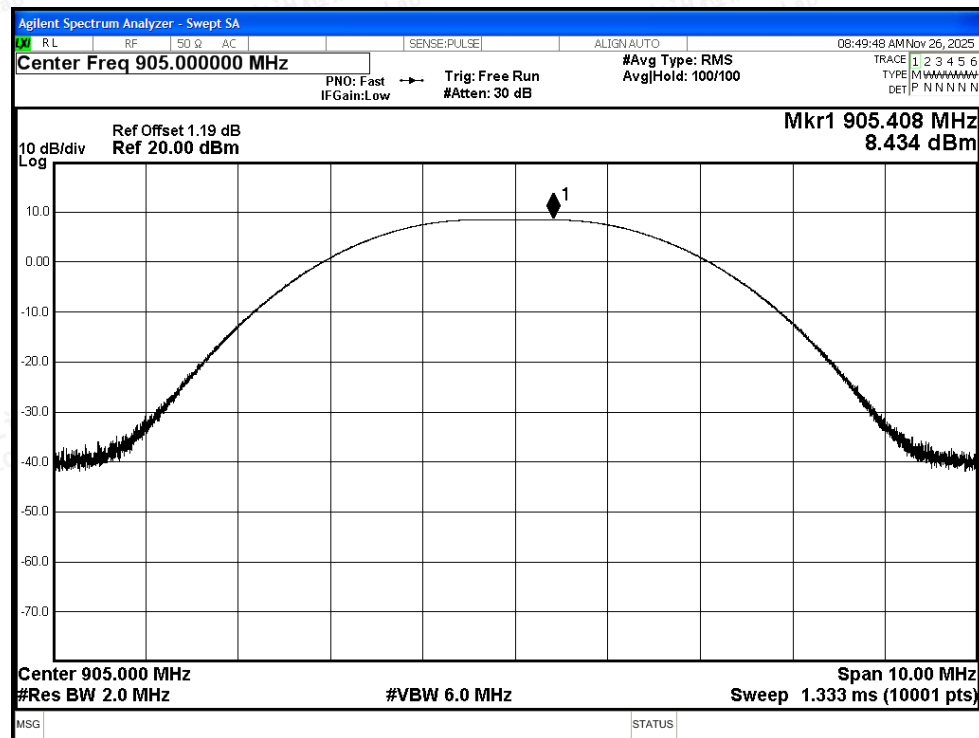


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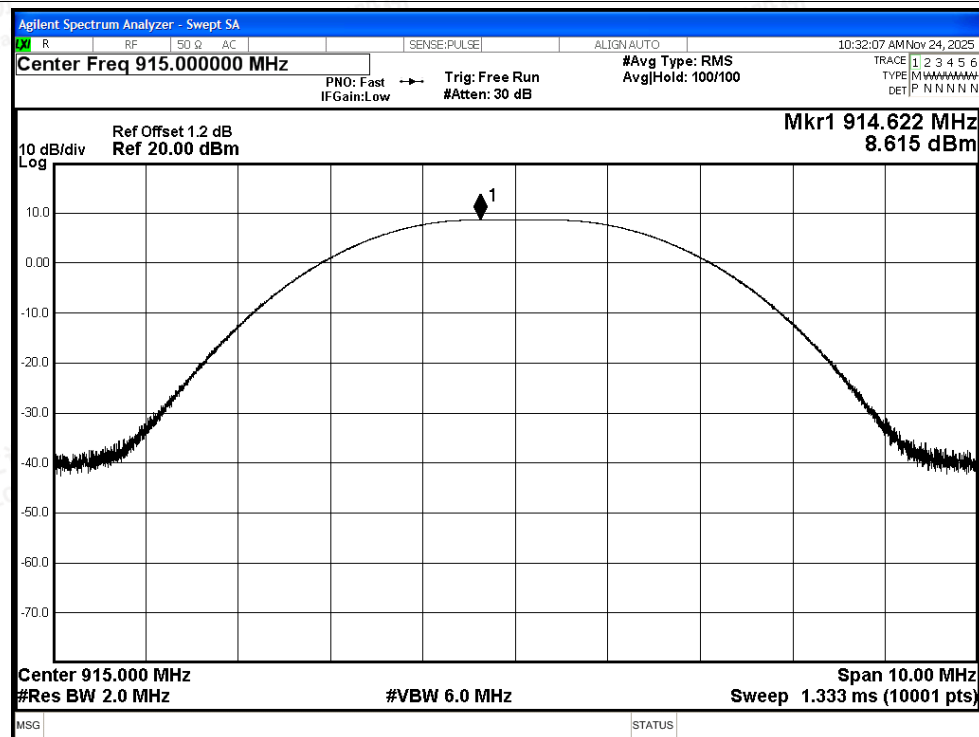


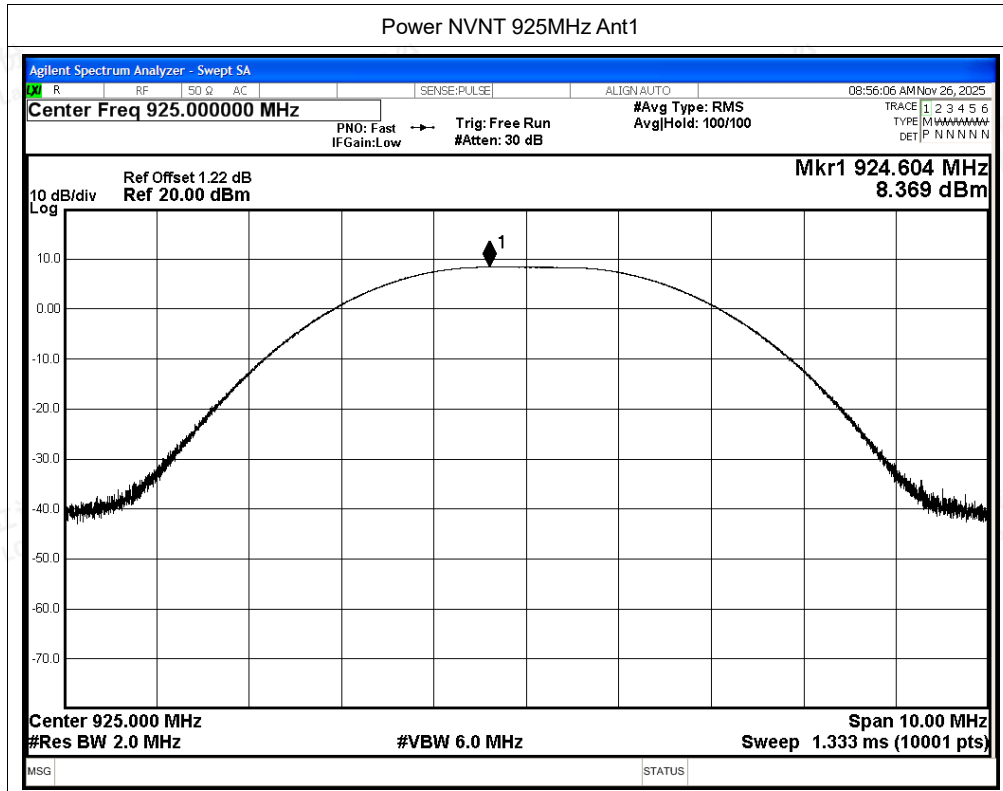
Test Graphs

Power NVNT 905MHz Ant1



Power NVNT 915MHz Ant1







A.3 Maximum Power Spectral Density Level

Condition	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	905	Ant1	1.87	8	Pass
NVNT	915	Ant1	2.06	8	Pass
NVNT	925	Ant1	1.91	8	Pass

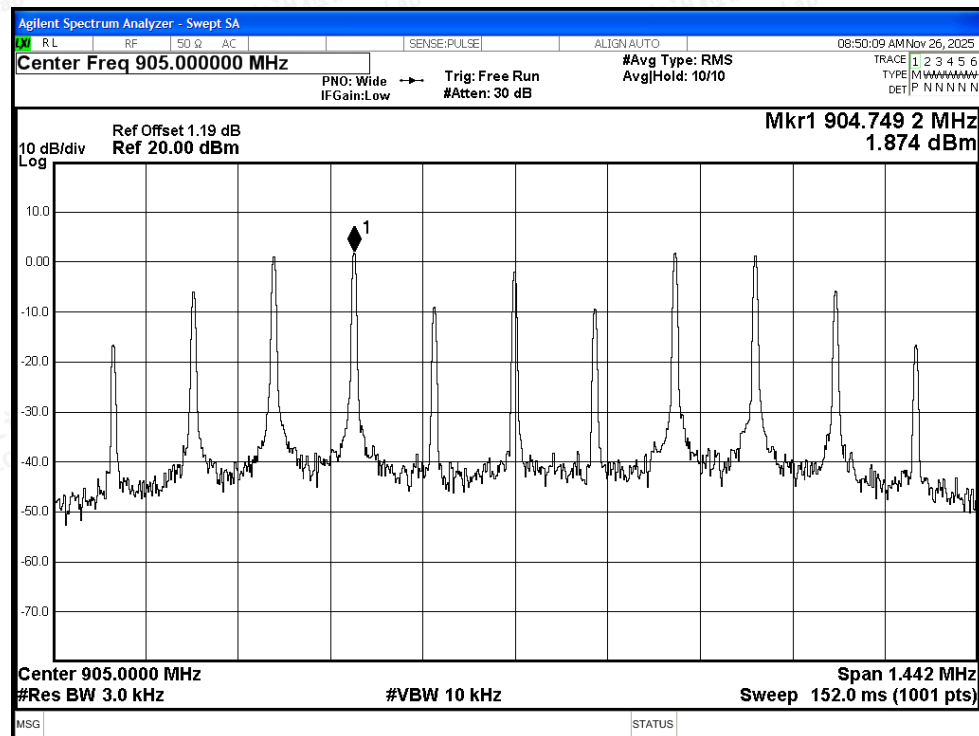


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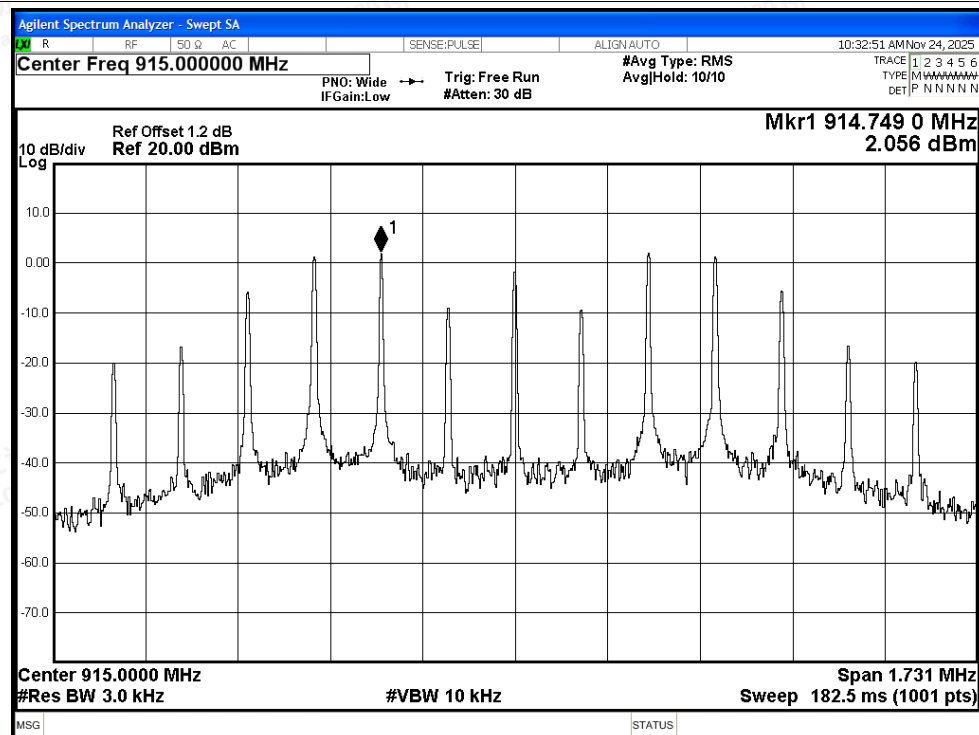


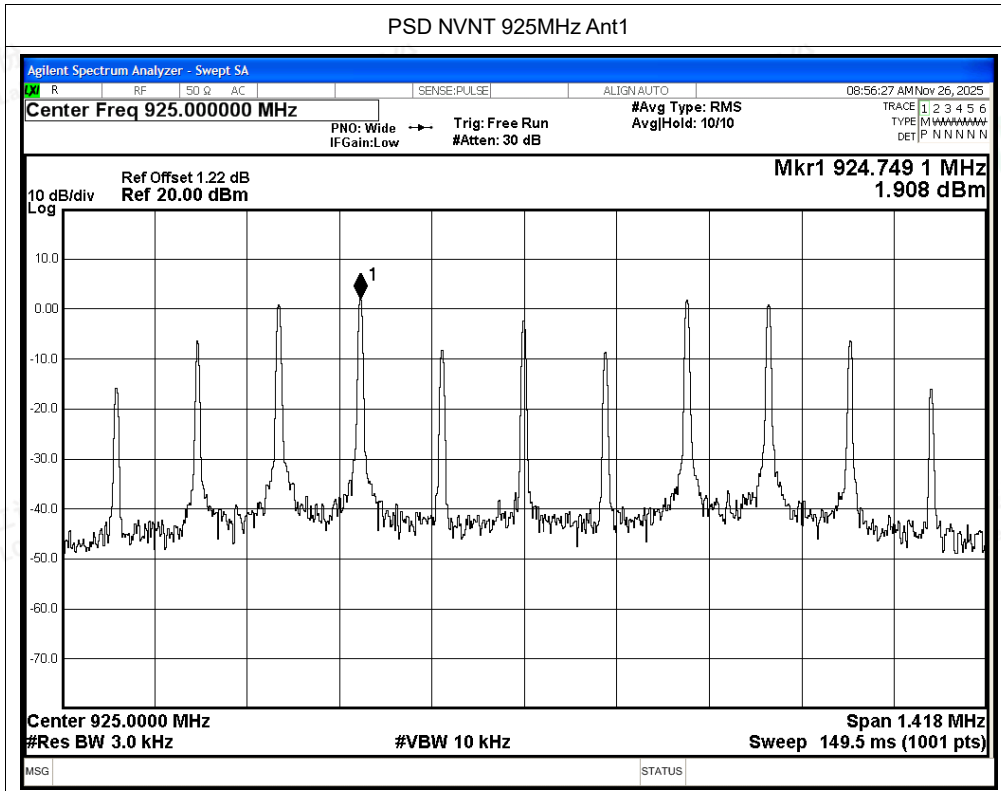
Test Graphs

PSD NVNT 905MHz Ant1



PSD NVNT 915MHz Ant1







A.4 Band Edge

Condition	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	905	Ant1	-51.48	-20	Pass
NVNT	925	Ant1	-52.21	-20	Pass

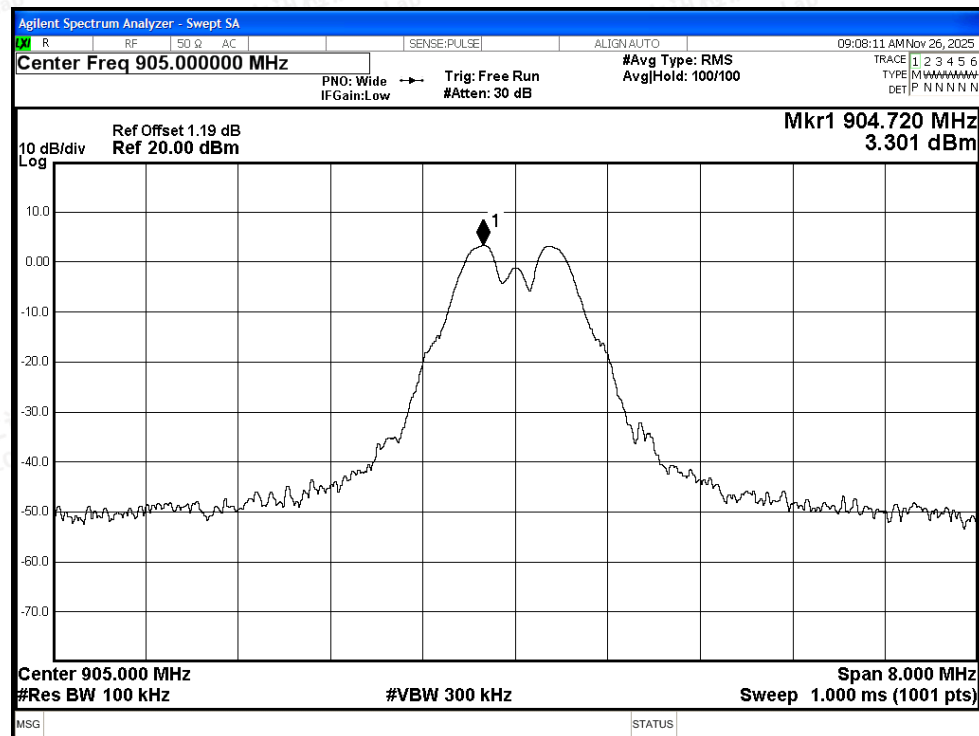


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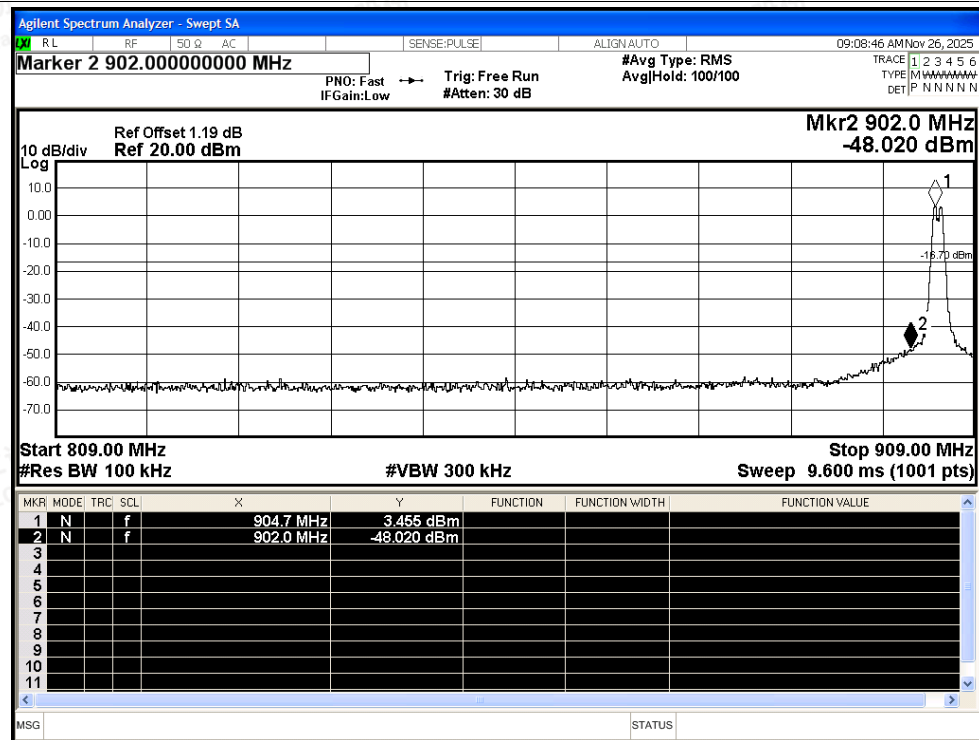


Test Graphs

Band Edge NVNT 905MHz Ant1 Ref



Band Edge NVNT 905MHz Ant1 Emission

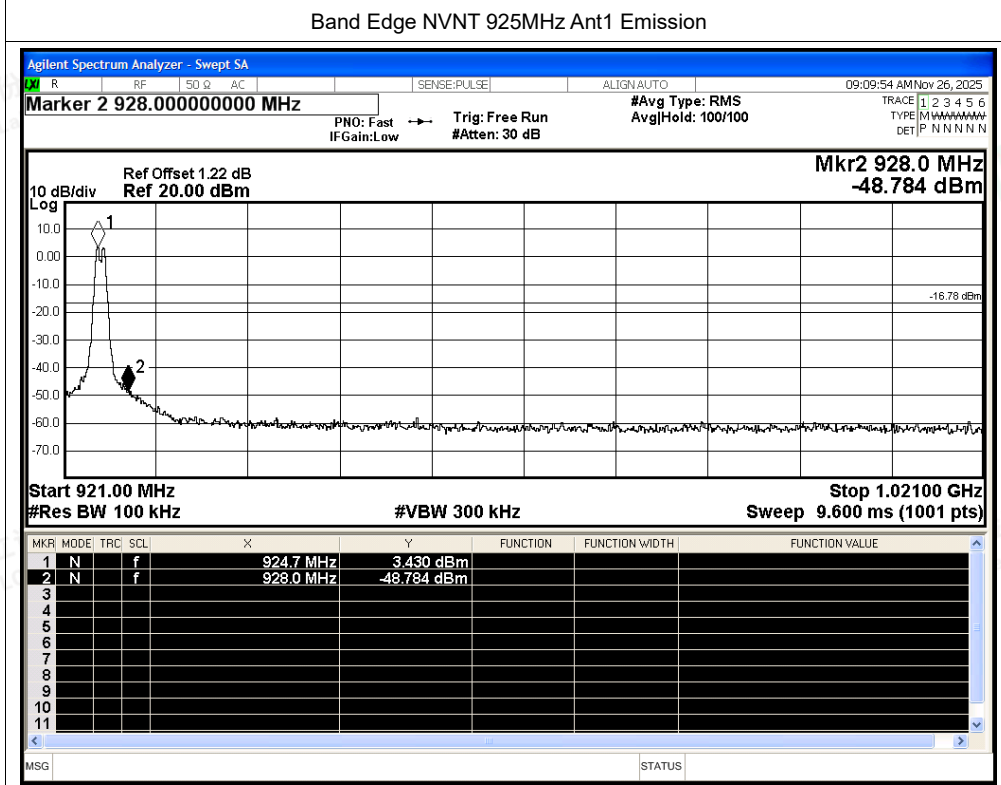
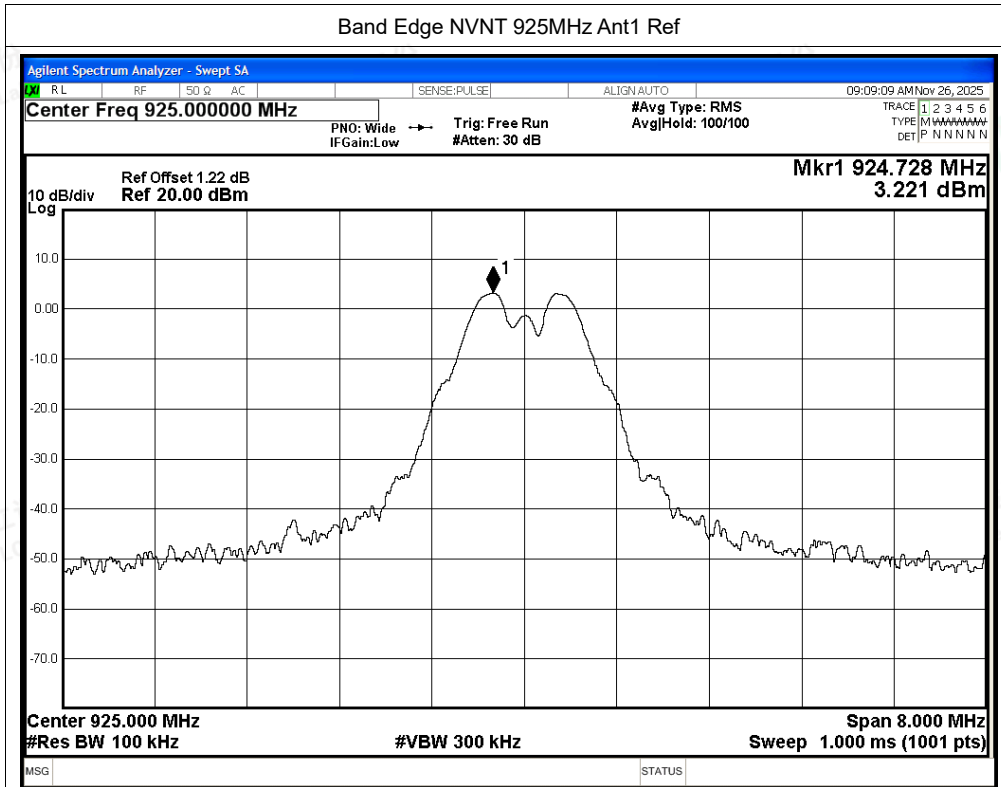


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A.5 Conducted RF Spurious Emission

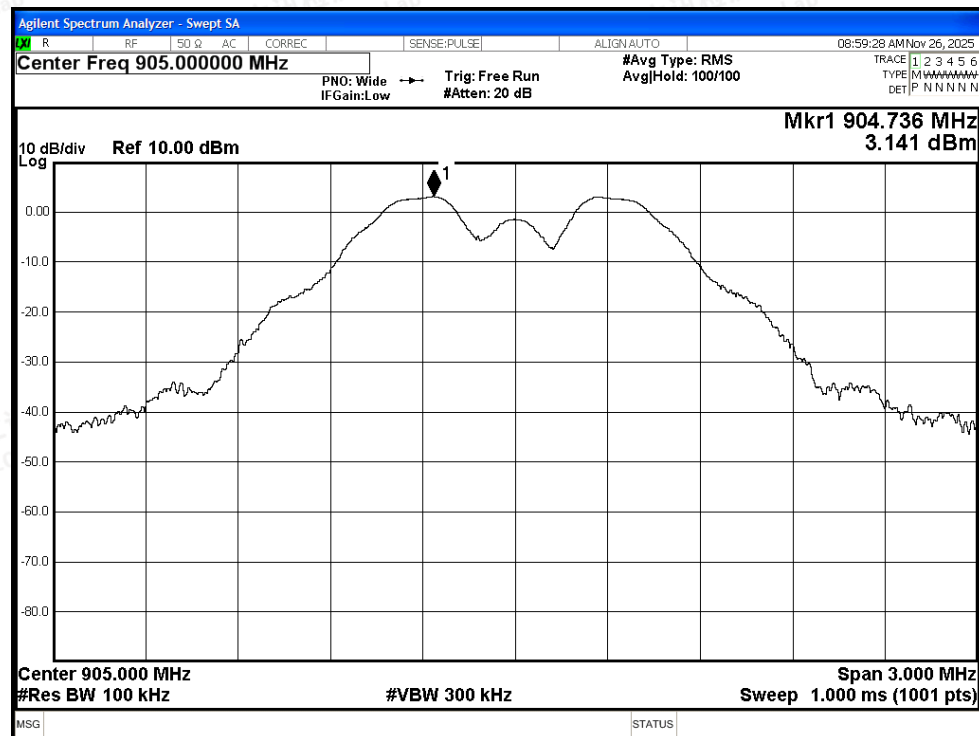
Condition	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	905	Ant1	-55.02	-20	Pass
NVNT	915	Ant1	-57.05	-20	Pass
NVNT	925	Ant1	-55.634	-20	Pass



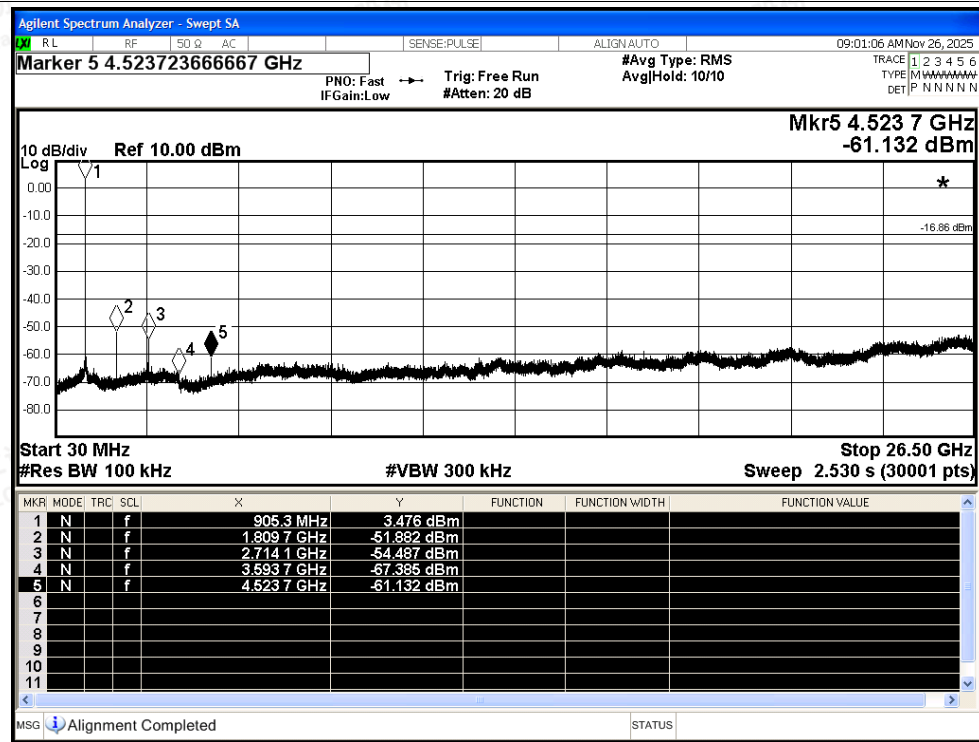


Test Graphs

Tx. Spurious NVNT 905MHz Ant1 Ref

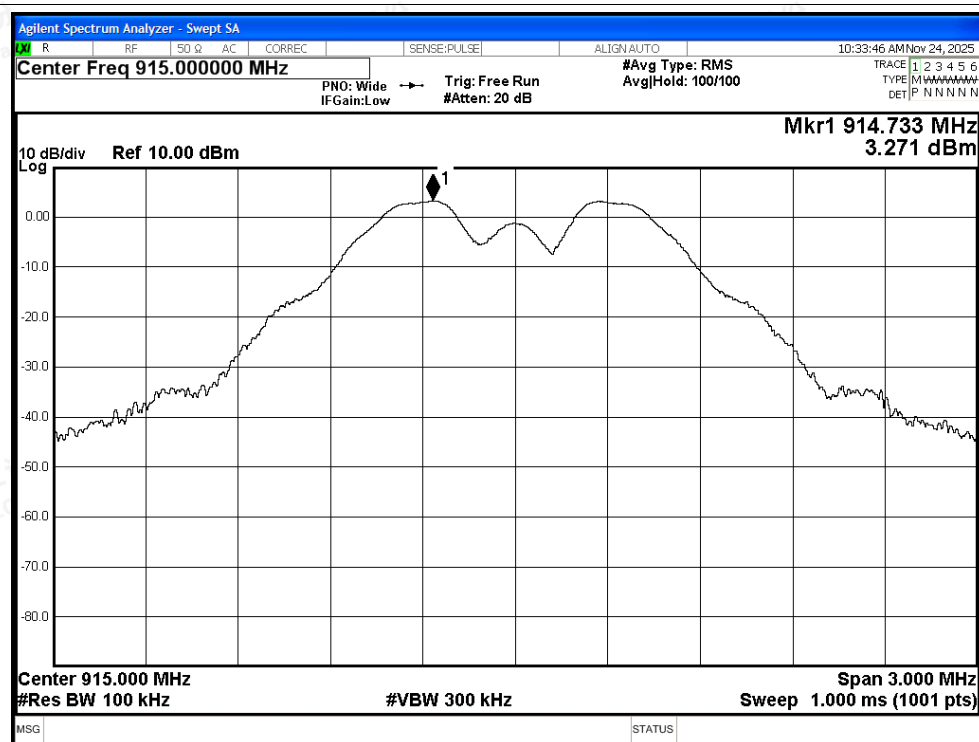


Tx. Spurious NVNT 905MHz Ant1 Emission

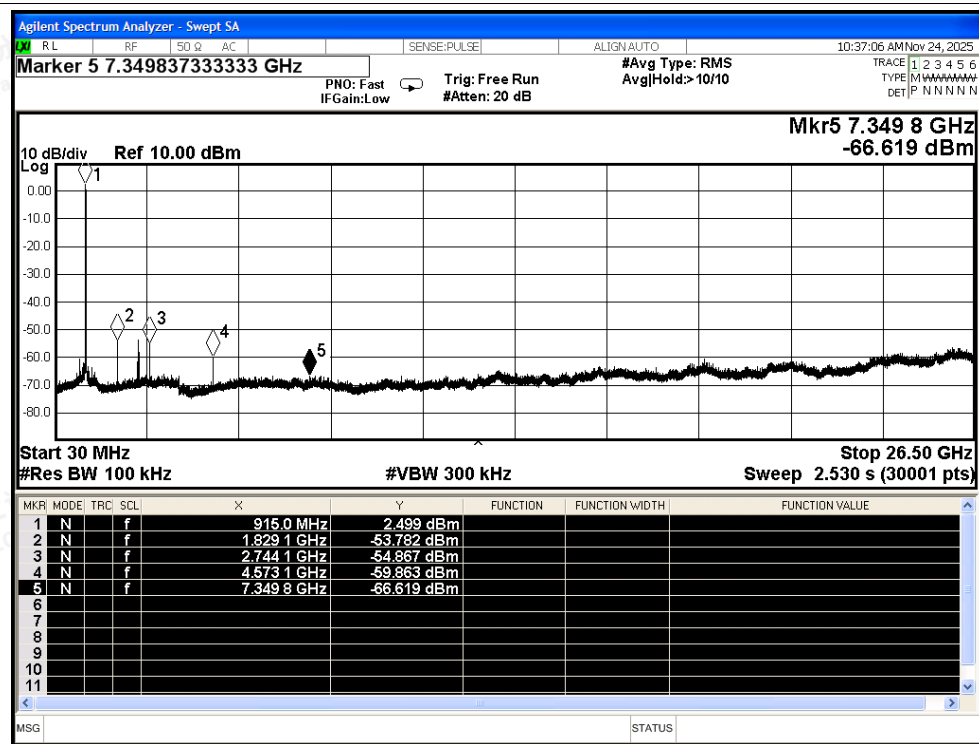




Tx. Spurious NVNT 915MHz Ant1 Ref

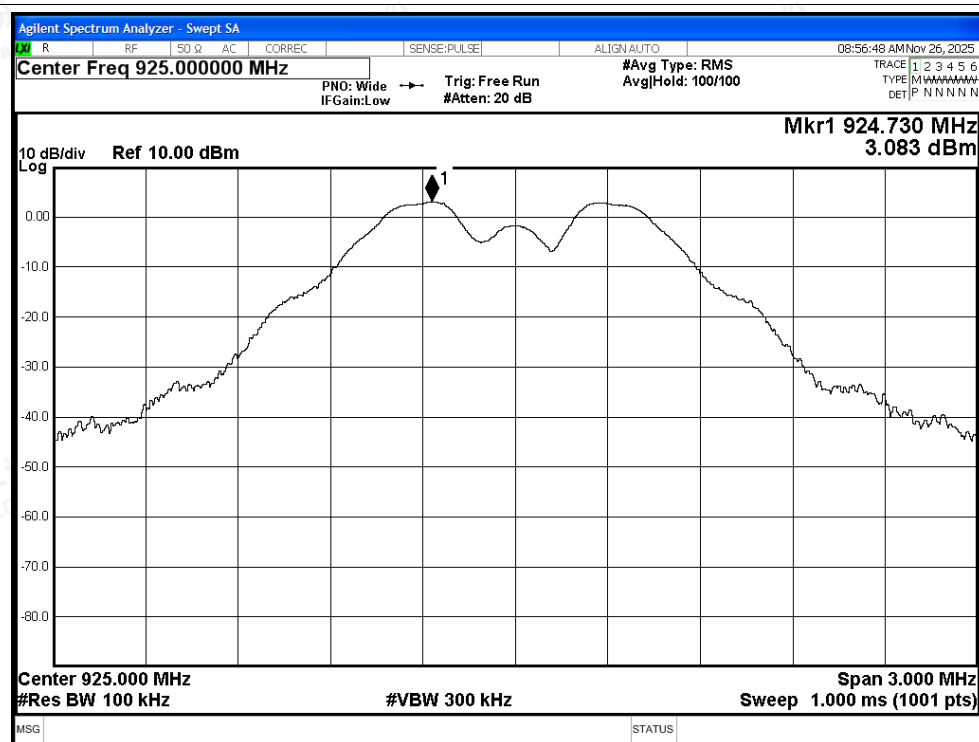


Tx. Spurious NVNT 915MHz Ant1 Emission





Tx. Spurious NVNT 925MHz Ant1 Ref



Tx. Spurious NVNT 925MHz Ant1 Emission

