# Appendix 1

# FCC Test Report

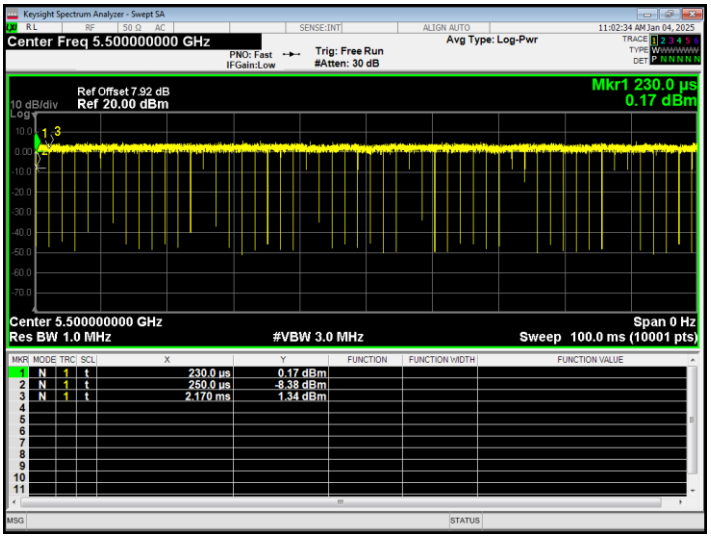
# FCC ID: 2BNAD-X7PRO

| | |
|---|---|
| Applicant: | Kemi Intelligent Manufacturing (Shenzhen) Co., Ltd. |
| Address: | 4F, Block A, 88 Fukang Rd, Longgang Dist, Shenzhen, China |
| Manufacturer: | Kemi Intelligent Manufacturing (Shenzhen) Co., Ltd. |
| Address: | 4F, Block A, 88 Fukang Rd, Longgang Dist, Shenzhen, China |
| EUT: | CORNMI HEAD MOUNTED DISPLAY |
| Trade Mark: | N/A |
| Model Number: | NeoVista X7 Pro<br>X7 Lite, X7 |
| Date of Receipt: | Dec. 06, 2024 |
| Test Date: | Dec. 06, 2024 - Jan. 07, 2025 |
| Date of Report: | Jan. 07, 2025 |
| Prepared By: | Shenzhen LGT Test Service Co., Ltd. |
| Address: | Room 205, Building 13, Zone B, Chen Hsong Industrial Park, No.177 Renmin West Road, Jinsha Community, Kengzi Street, Pingshan New District, Shenzhen, China |
| Test Result: | Pass |

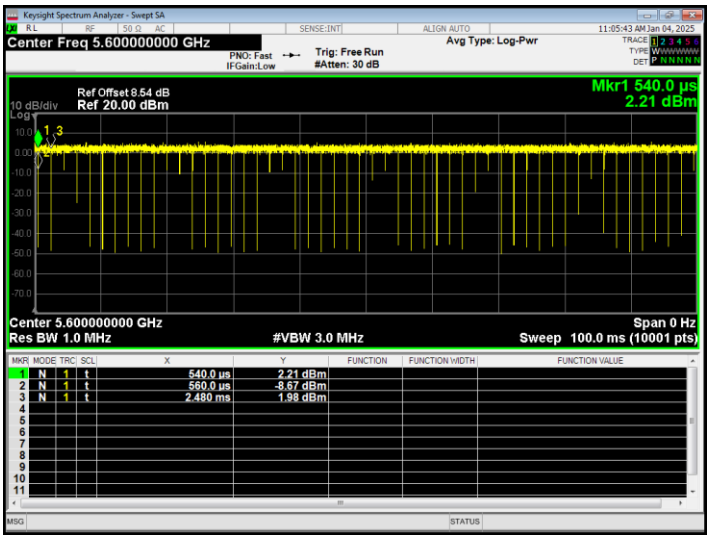
## Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) |
|---|---|---|---|---|---|
| NVNT | a | 5500 | Ant1 | 98.97 | 0 |
| NVNT | a | 5600 | Ant1 | 98.97 | 0 |
| NVNT | a | 5700 | Ant1 | 98.97 | 0 |
| NVNT | ac20 | 5500 | Ant1 | 75.89 | 1.2 |
| NVNT | ac20 | 5600 | Ant1 | 98.97 | 0 |
| NVNT | ac20 | 5700 | Ant1 | 98.97 | 0 |
| NVNT | ac40 | 5510 | Ant1 | 98.68 | 0 |
| NVNT | ac40 | 5550 | Ant1 | 98.71 | 0 |
| NVNT | ac40 | 5670 | Ant1 | 99.36 | 0 |
| NVNT | ac80 | 5530 | Ant1 | 78.57 | 1.05 |
| NVNT | ax20 | 5500 | Ant1 | 49.87 | 3.02 |
| NVNT | ax20 | 5600 | Ant1 | 98.97 | 0 |
| NVNT | ax20 | 5700 | Ant1 | 98.97 | 0 |
| NVNT | ax40 | 5510 | Ant1 | 98.71 | 0 |
| NVNT | ax40 | 5550 | Ant1 | 75.86 | 1.2 |
| NVNT | ax40 | 5670 | Ant1 | 98.71 | 0 |
| NVNT | ax80 | 5530 | Ant1 | 76.74 | 1.15 |
| NVNT | n20 | 5500 | Ant1 | 75.59 | 1.22 |
| NVNT | n20 | 5600 | Ant1 | 99.66 | 0 |
| NVNT | n20 | 5700 | Ant1 | 98.97 | 0 |
| NVNT | n40 | 5510 | Ant1 | 75.86 | 1.2 |
| NVNT | n40 | 5550 | Ant1 | 99.36 | 0 |
| NVNT | n40 | 5670 | Ant1 | 99.36 | 0 |

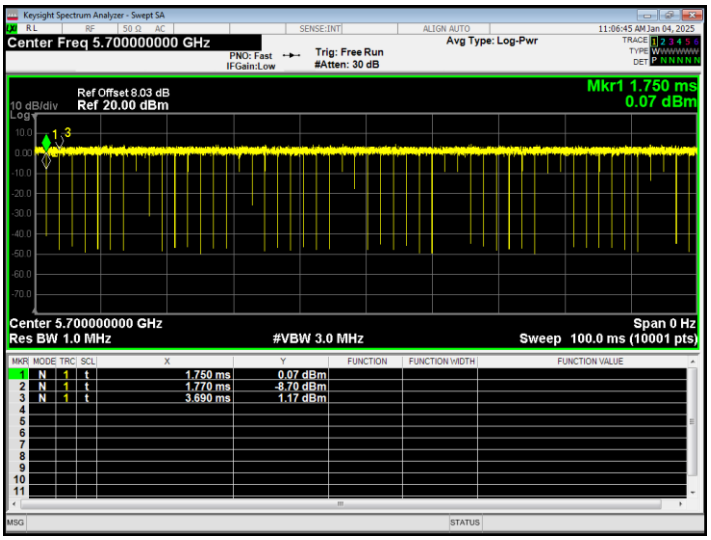
Duty Cycle NVNT a 5500MHz Ant1



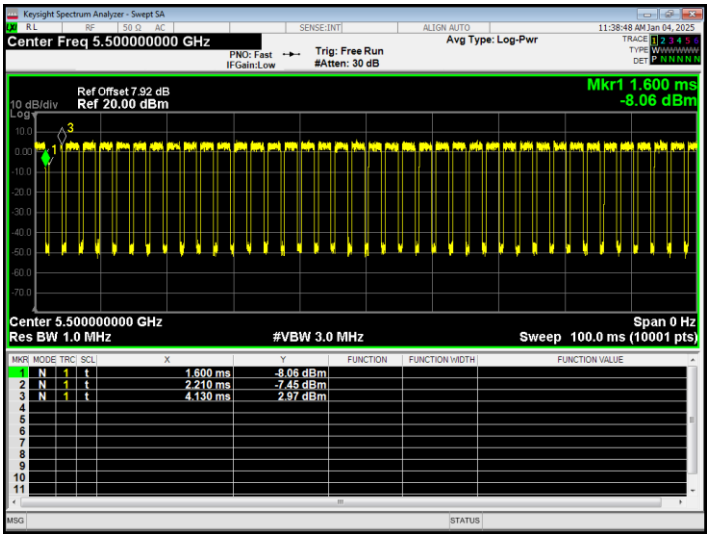

Duty Cycle NVNT a 5600MHz Ant1



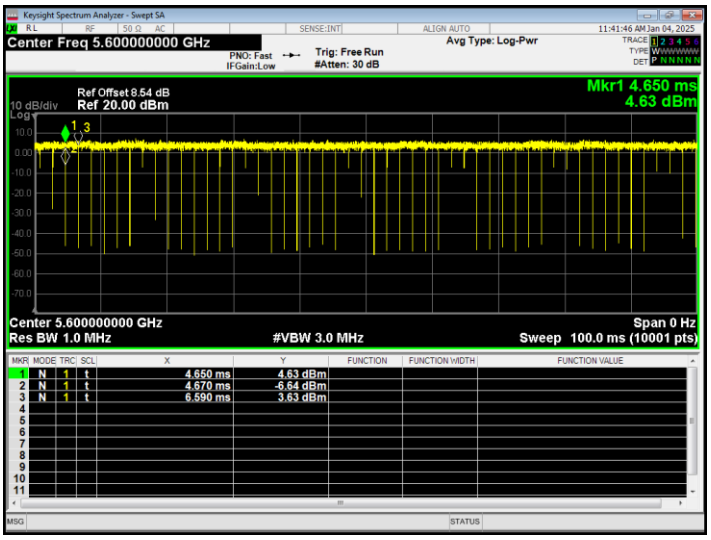

Duty Cycle NVNT a 5700MHz Ant1



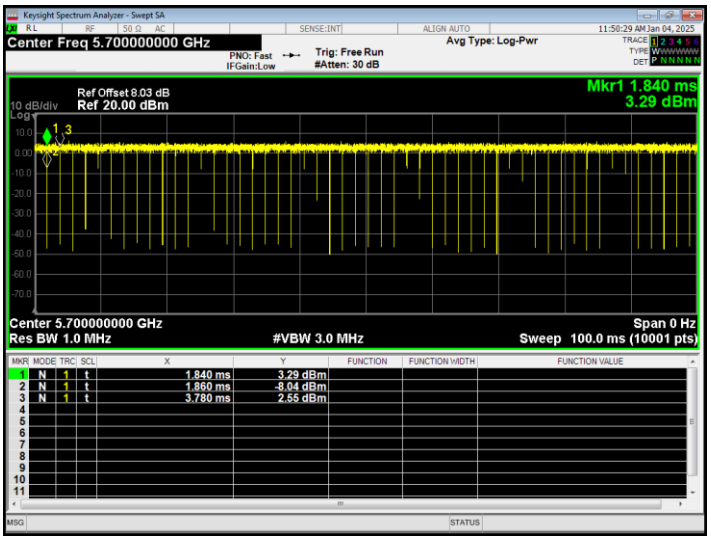
Duty Cycle NVNT ac20 5500MHz Ant1



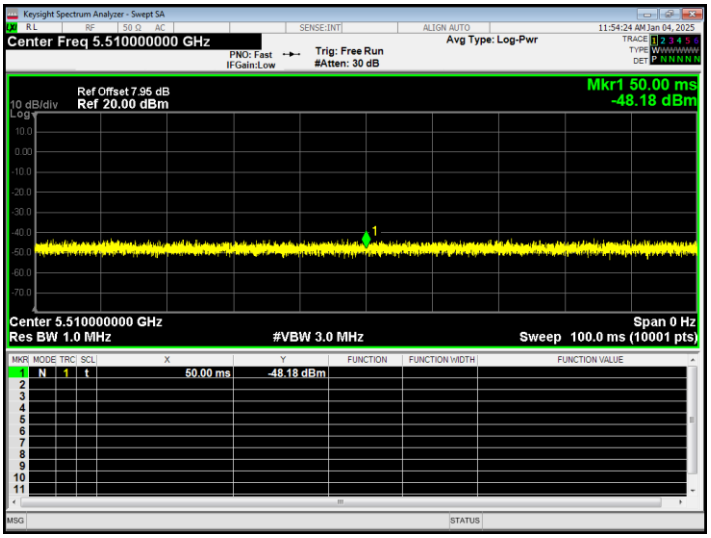

Duty Cycle NVNT ac20 5600MHz Ant1



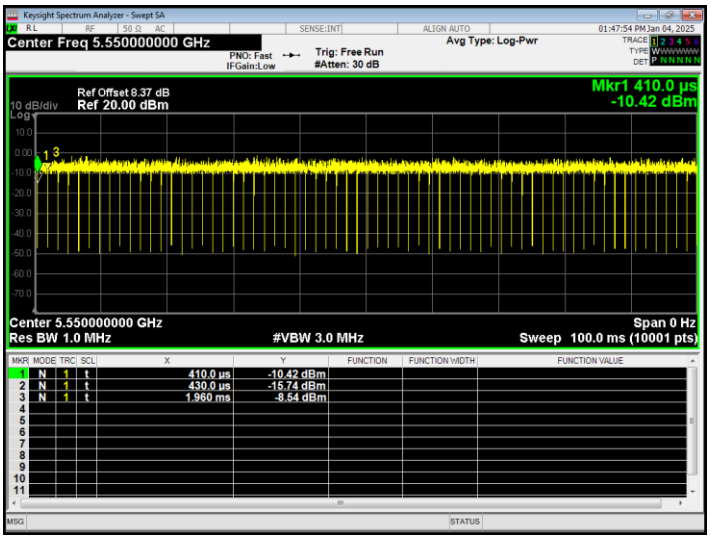

Duty Cycle NVNT ac20 5700MHz Ant1



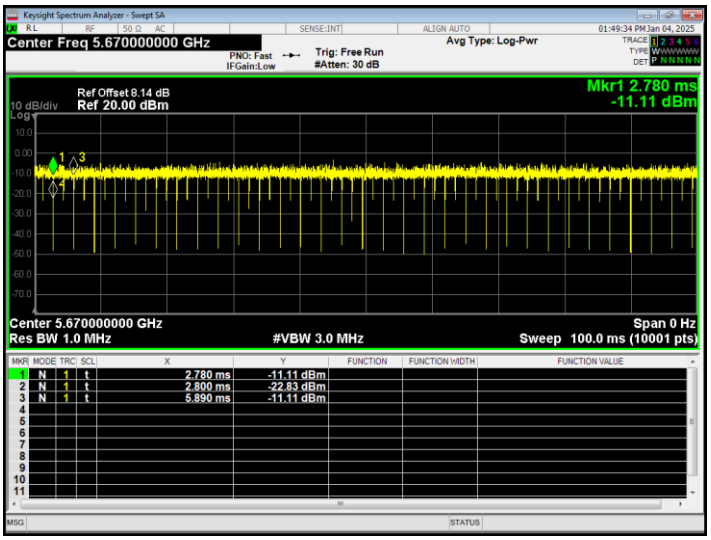
Duty Cycle NVNT ac40 5510MHz Ant1



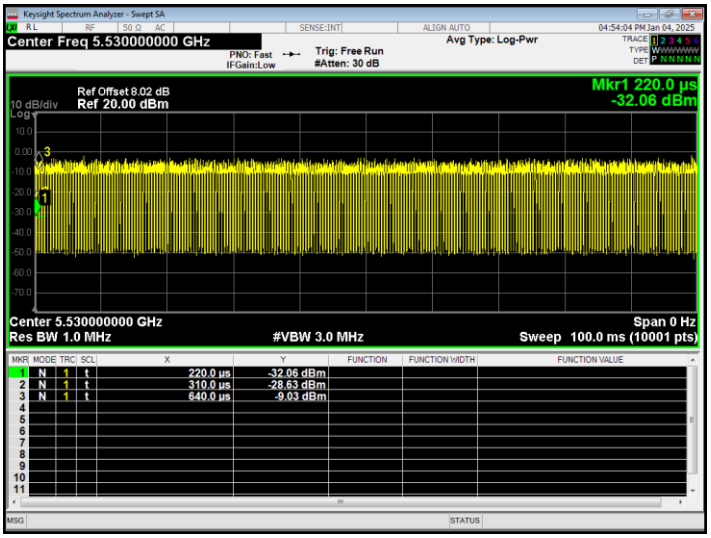

Duty Cycle NVNT ac40 5550MHz Ant1



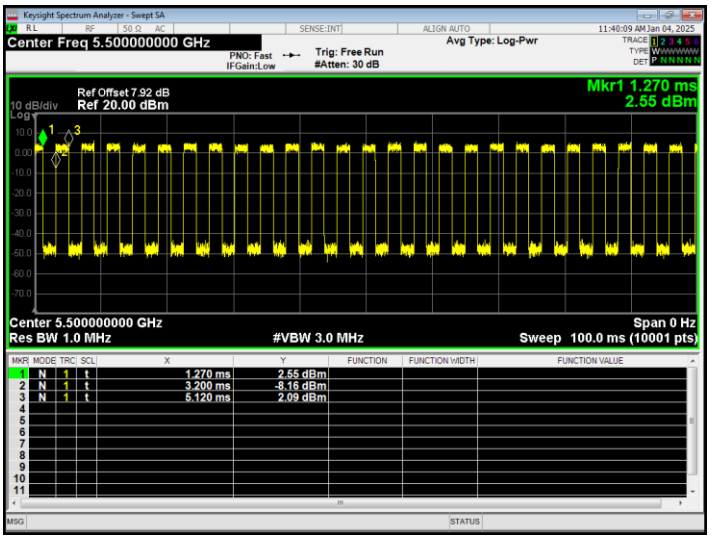

Duty Cycle NVNT ac40 5670MHz Ant1



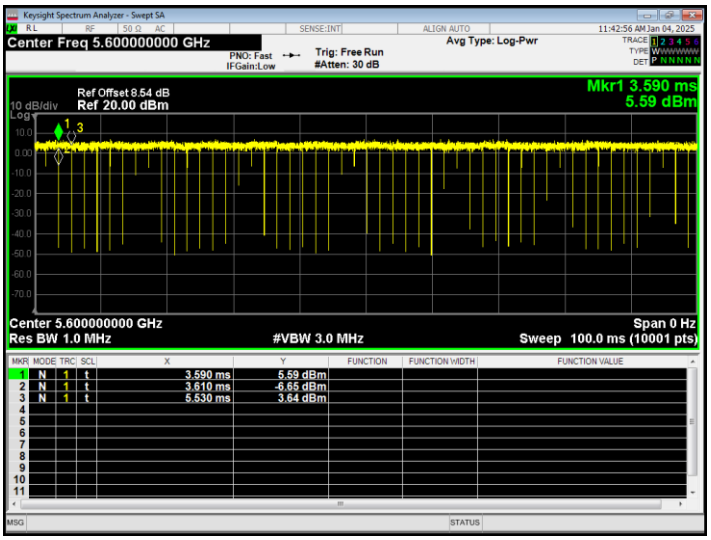
Duty Cycle NVNT ac80 5530MHz Ant1



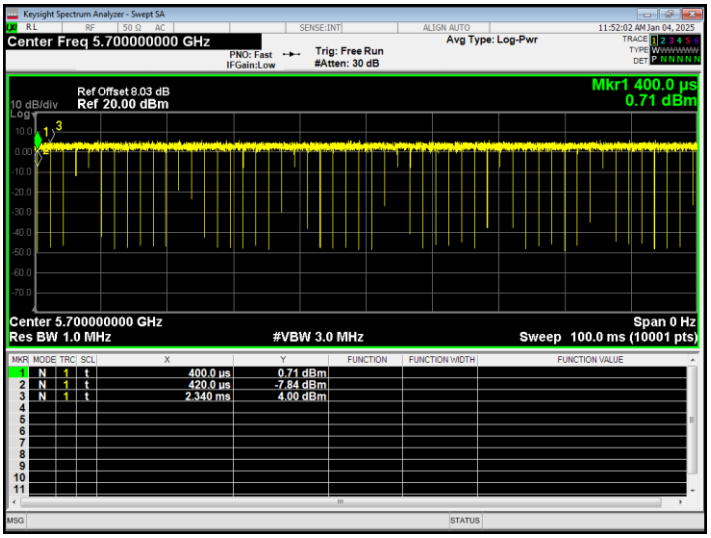

Duty Cycle NVNT ax20 5500MHz Ant1



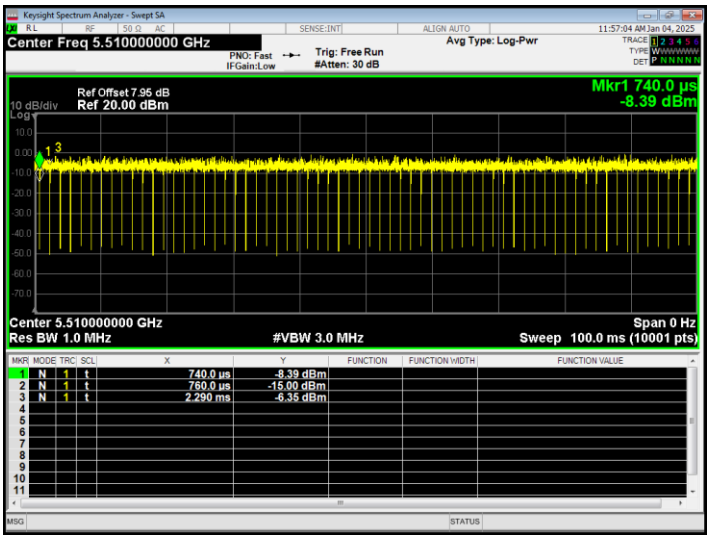

Duty Cycle NVNT ax20 5600MHz Ant1



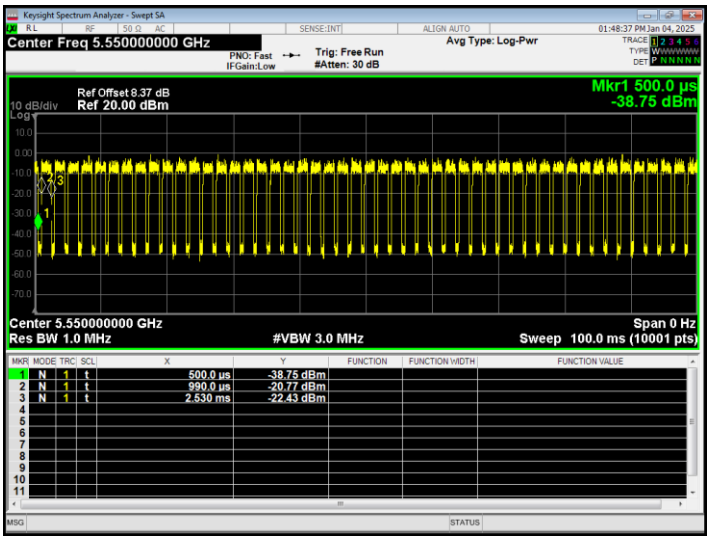
Duty Cycle NVNT ax20 5700MHz Ant1



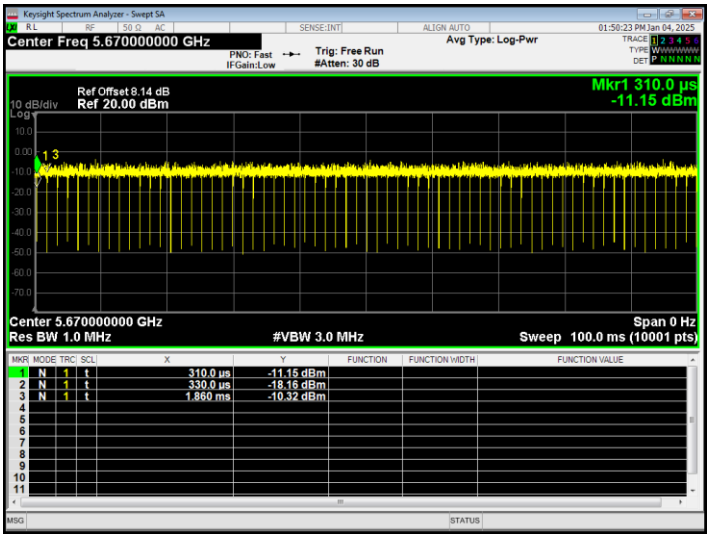

Duty Cycle NVNT ax40 5510MHz Ant1



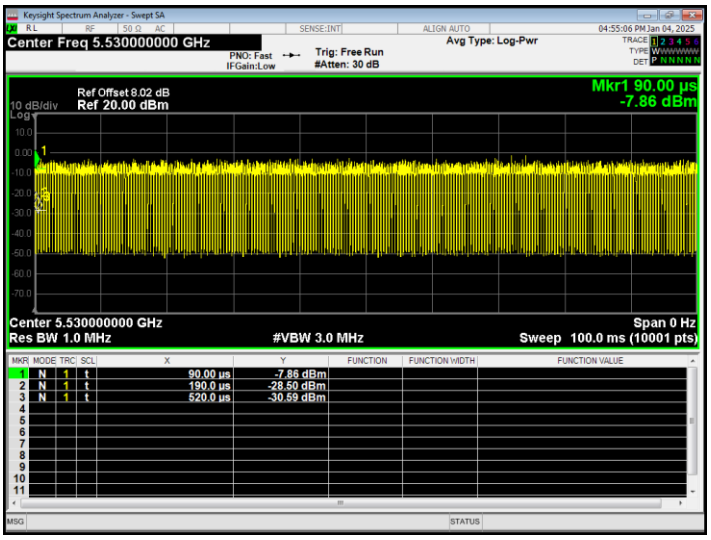

Duty Cycle NVNT ax40 5550MHz Ant1



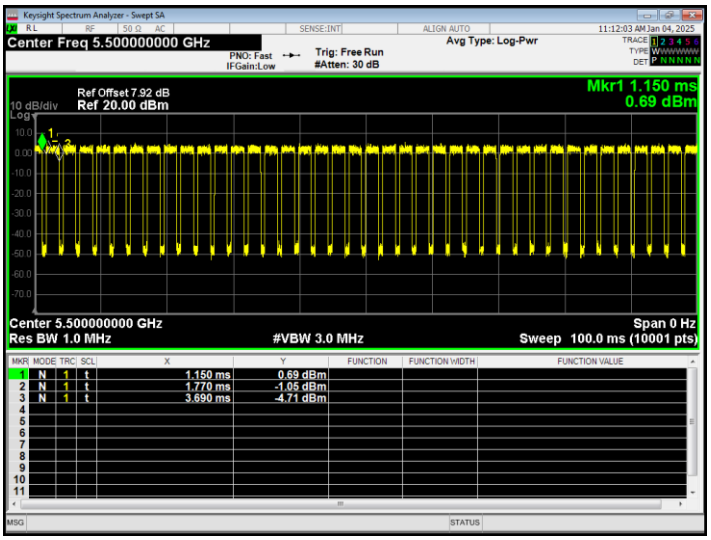
Duty Cycle NVNT ax40 5670MHz Ant1



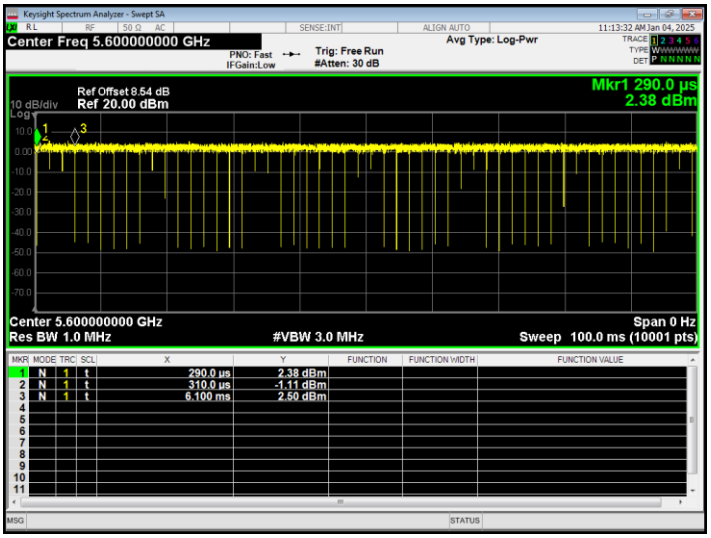

Duty Cycle NVNT ax80 5530MHz Ant1



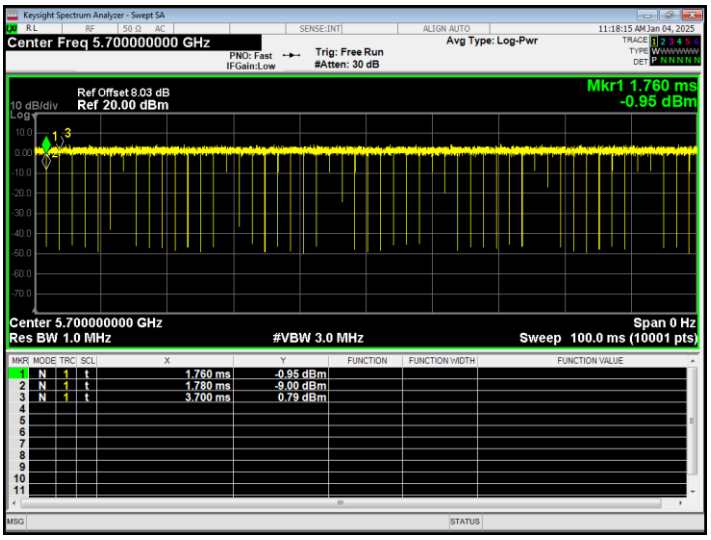

Duty Cycle NVNT n20 5500MHz Ant1



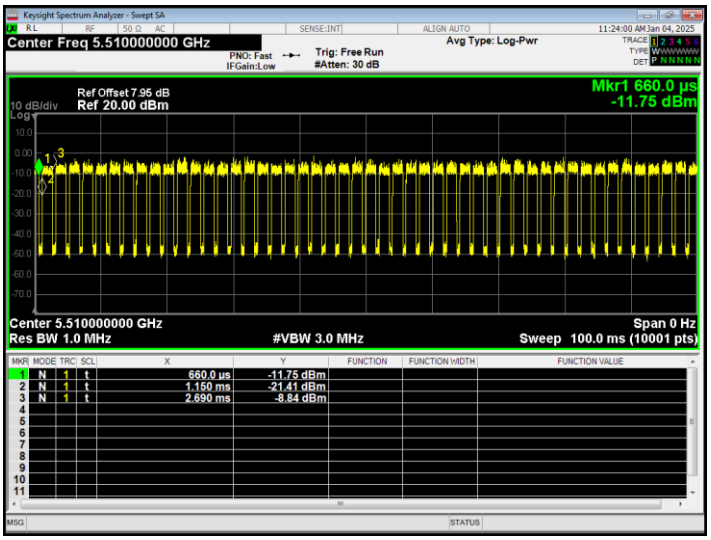
Duty Cycle NVNT n20 5600MHz Ant1



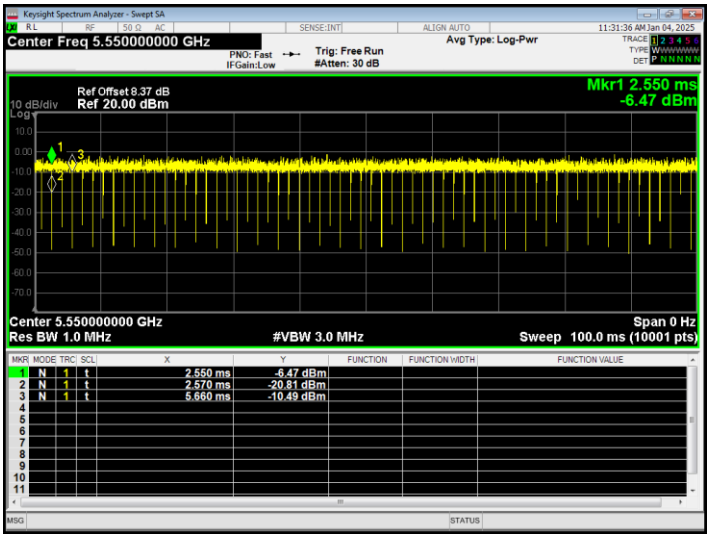

Duty Cycle NVNT n20 5700MHz Ant1



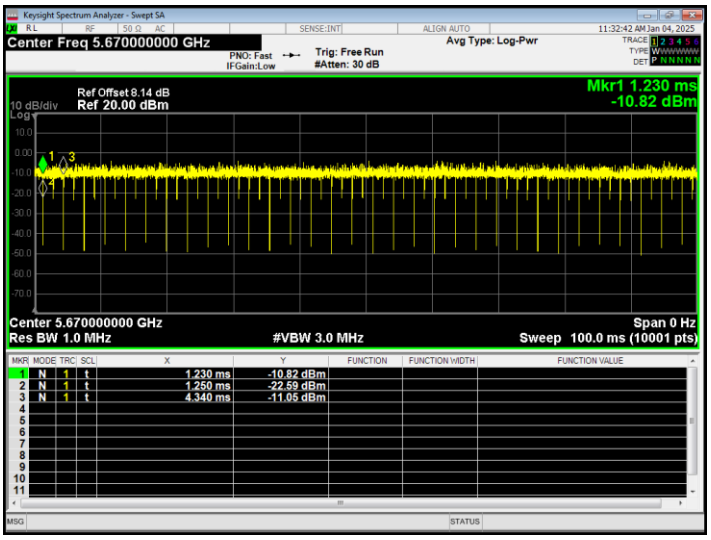

Duty Cycle NVNT n40 5510MHz Ant1



Duty Cycle NVNT n40 5550MHz Ant1



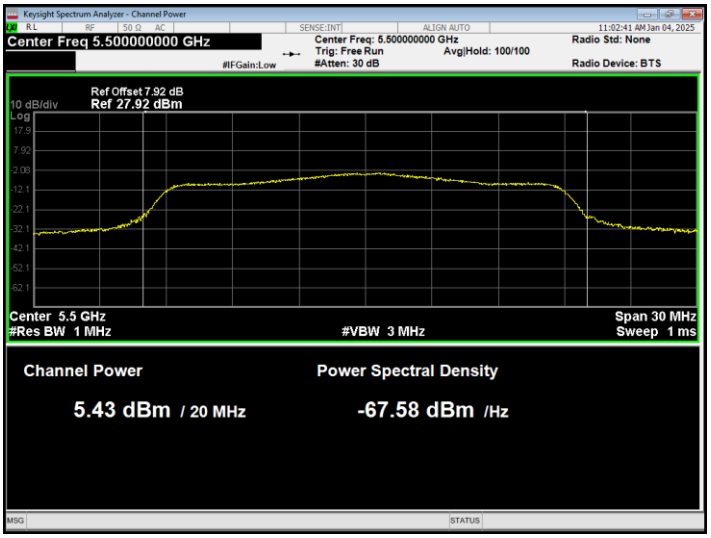

Duty Cycle NVNT n40 5670MHz Ant1



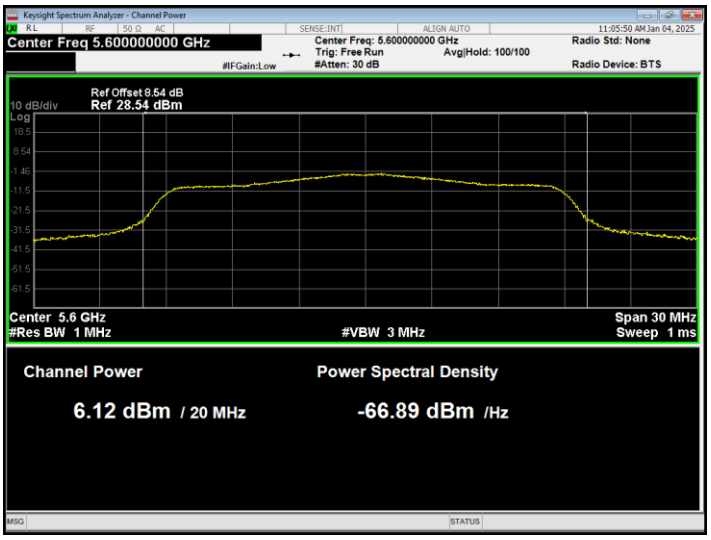
## Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | a | 5500 | Ant1 | 5.434 | 0 | 5.434 | 24 | Pass |
| NVNT | a | 5600 | Ant1 | 6.116 | 0 | 6.116 | 24 | Pass |
| NVNT | a | 5700 | Ant1 | 5.012 | 0 | 5.012 | 24 | Pass |
| NVNT | ac20 | 5500 | Ant1 | 6.813 | 1.2 | 8.013 | 24 | Pass |
| NVNT | ac20 | 5600 | Ant1 | 7.74 | 0 | 7.74 | 24 | Pass |
| NVNT | ac20 | 5700 | Ant1 | 6.533 | 0 | 6.533 | 24 | Pass |
| NVNT | ac40 | 5510 | Ant1 | 8.329 | 0 | 8.329 | 24 | Pass |
| NVNT | ac40 | 5550 | Ant1 | 7.211 | 0 | 7.211 | 24 | Pass |
| NVNT | ac40 | 5670 | Ant1 | 5.286 | 0 | 5.286 | 24 | Pass |
| NVNT | ac80 | 5530 | Ant1 | 6.94 | 1.05 | 7.99 | 24 | Pass |
| NVNT | ax20 | 5500 | Ant1 | 7.047 | 3.02 | 10.067 | 24 | Pass |
| NVNT | ax20 | 5600 | Ant1 | 7.548 | 0 | 7.548 | 24 | Pass |
| NVNT | ax20 | 5700 | Ant1 | 6.531 | 0 | 6.531 | 24 | Pass |
| NVNT | ax40 | 5510 | Ant1 | 7.792 | 0 | 7.792 | 24 | Pass |
| NVNT | ax40 | 5550 | Ant1 | 7.158 | 1.2 | 8.358 | 24 | Pass |
| NVNT | ax40 | 5670 | Ant1 | 5.254 | 0 | 5.254 | 24 | Pass |
| NVNT | ax80 | 5530 | Ant1 | 6.877 | 1.15 | 8.027 | 24 | Pass |
| NVNT | n20 | 5500 | Ant1 | 5.587 | 1.22 | 6.807 | 24 | Pass |
| NVNT | n20 | 5600 | Ant1 | 6.073 | 0 | 6.073 | 24 | Pass |
| NVNT | n20 | 5700 | Ant1 | 4.892 | 0 | 4.892 | 24 | Pass |
| NVNT | n40 | 5510 | Ant1 | 5.918 | 1.2 | 7.118 | 24 | Pass |
| NVNT | n40 | 5550 | Ant1 | 7.335 | 0 | 7.335 | 24 | Pass |
| NVNT | n40 | 5670 | Ant1 | 5.181 | 0 | 5.181 | 24 | Pass |

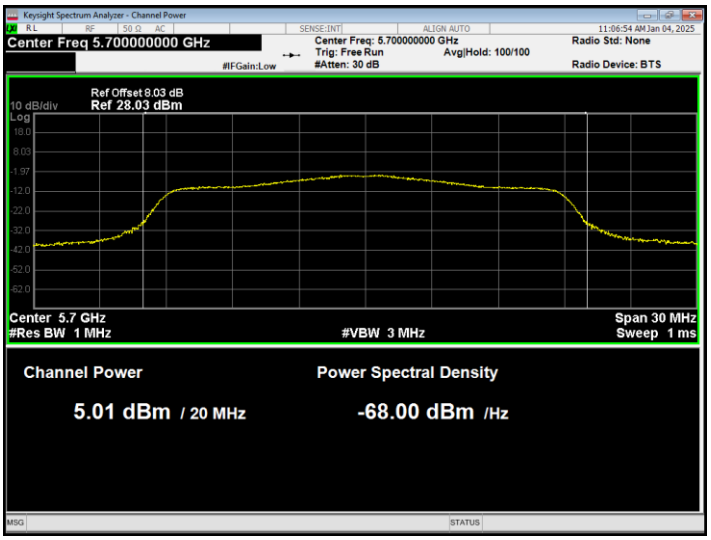
Power NVNT a 5500MHz Ant1



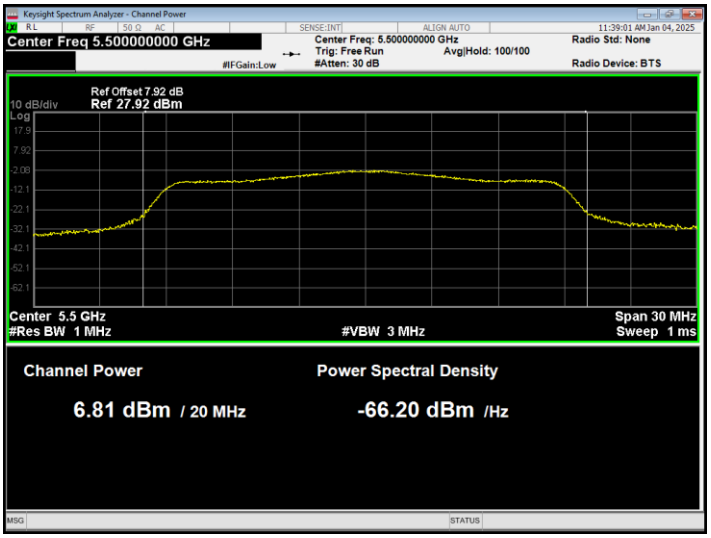

Power NVNT a 5600MHz Ant1



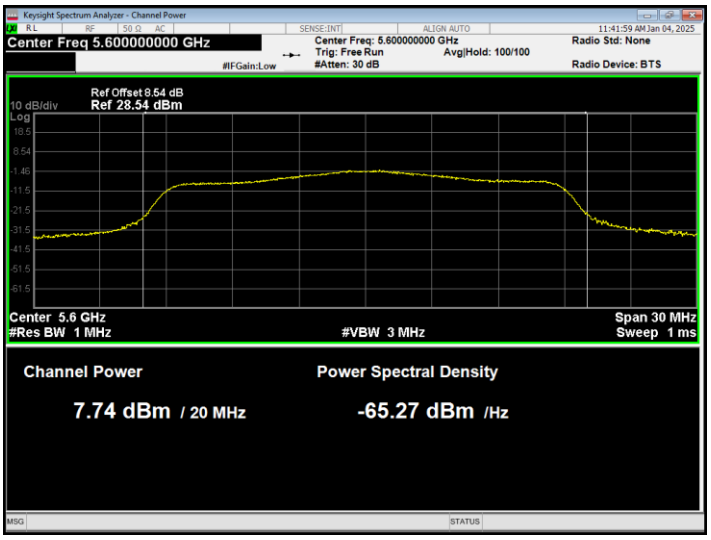

Power NVNT a 5700MHz Ant1



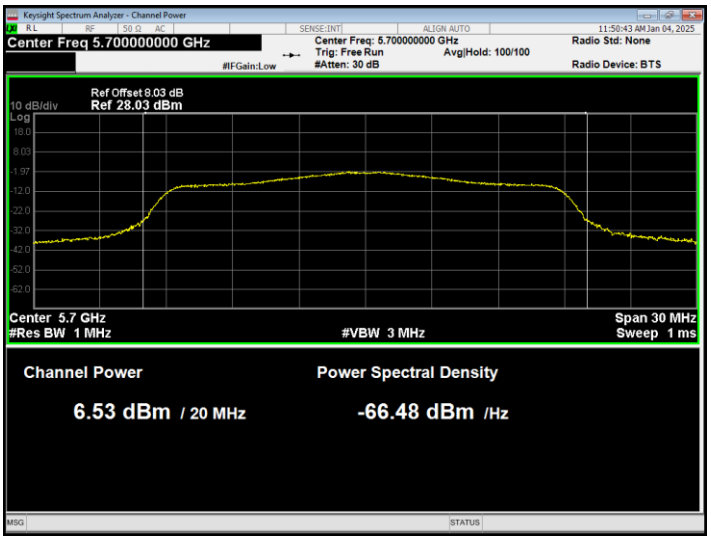
Power NVNT ac20 5500MHz Ant1



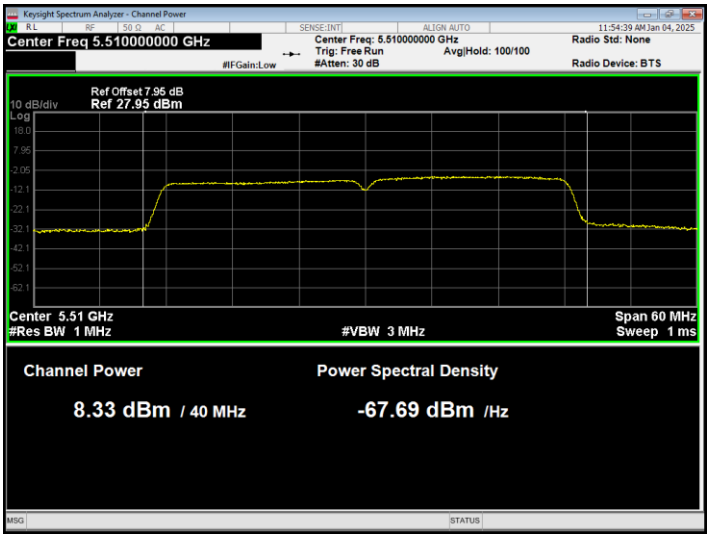

Power NVNT ac20 5600MHz Ant1



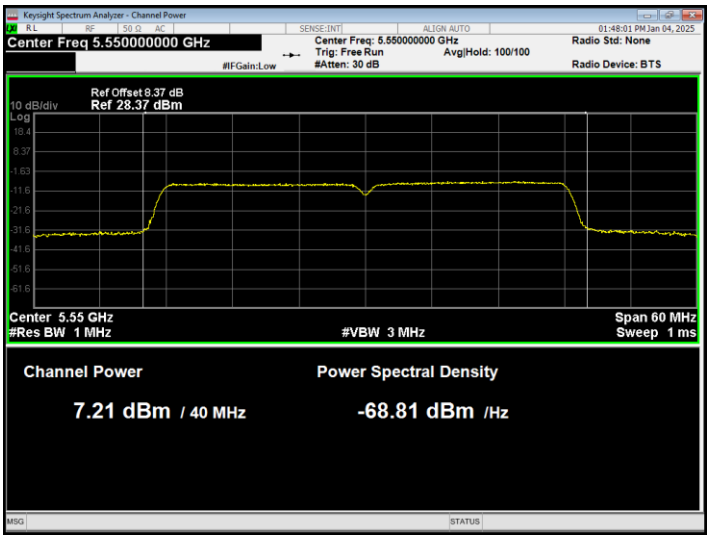

Power NVNT ac20 5700MHz Ant1



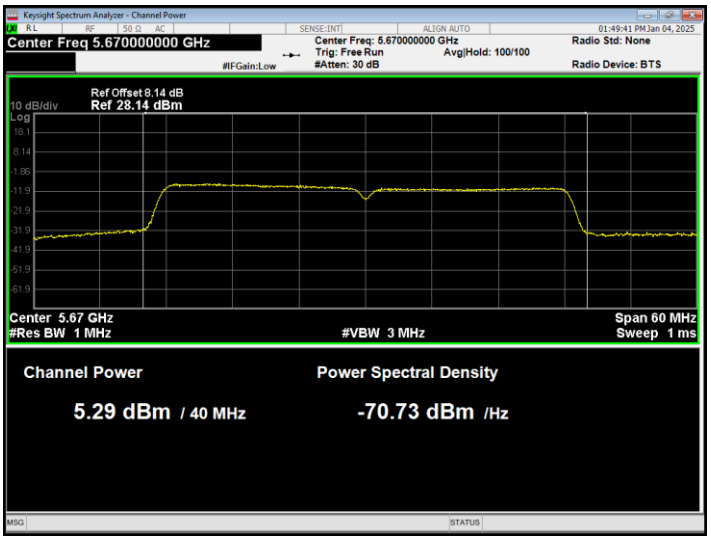
Power NVNT ac40 5510MHz Ant1



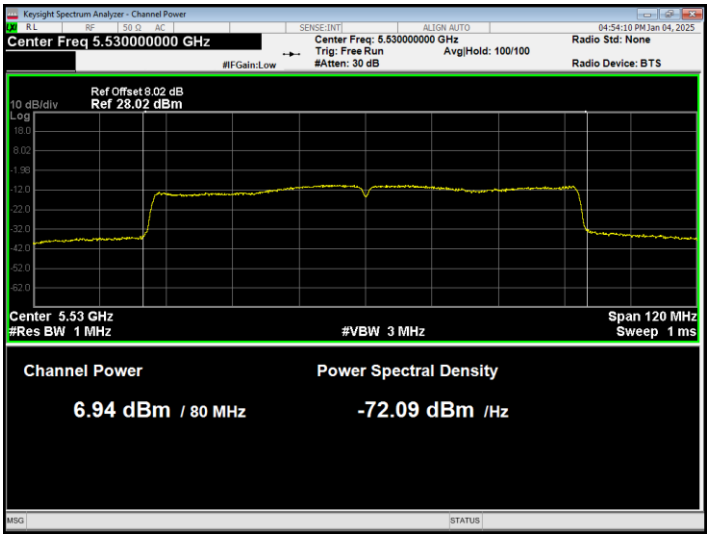

Power NVNT ac40 5550MHz Ant1



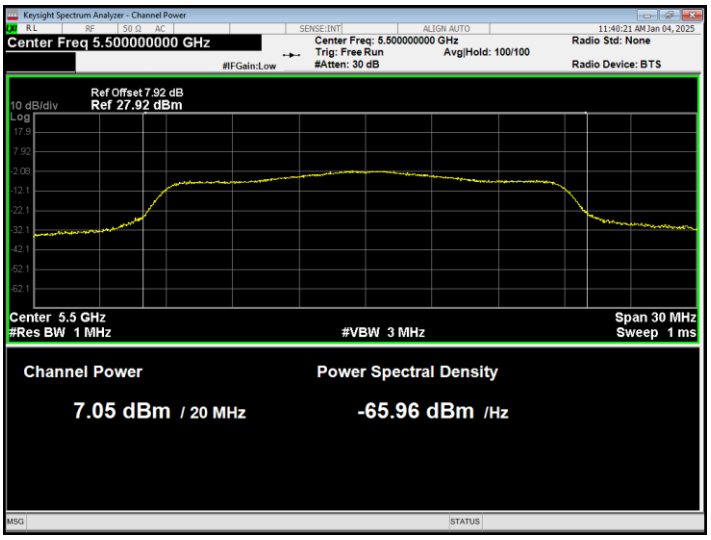

Power NVNT ac40 5670MHz Ant1



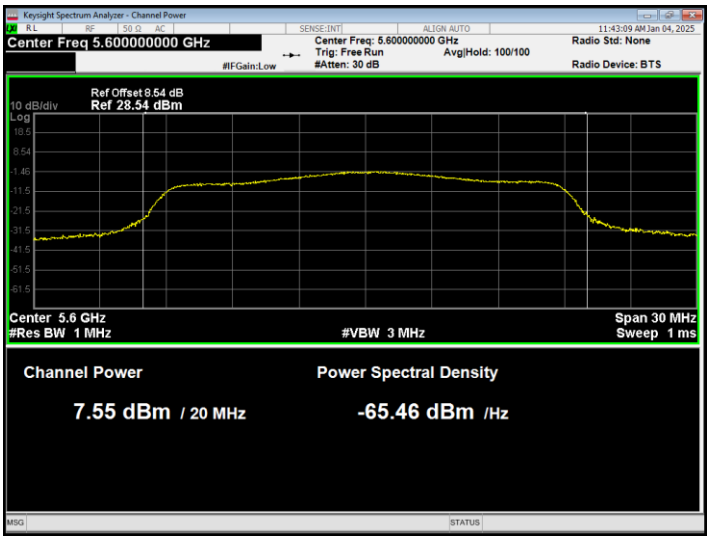
Power NVNT ac80 5530MHz Ant1



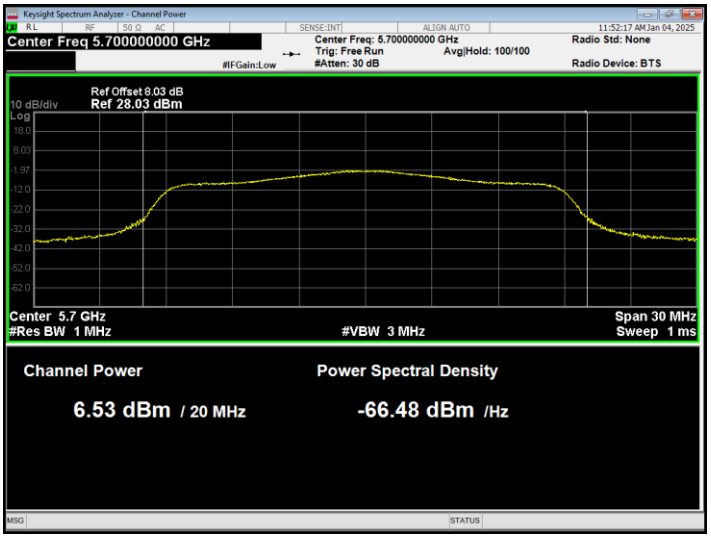

Power NVNT ax20 5500MHz Ant1



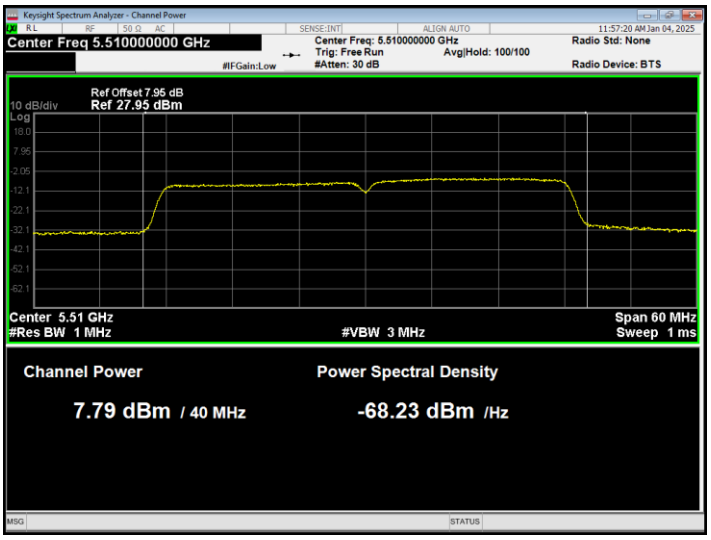

Power NVNT ax20 5600MHz Ant1



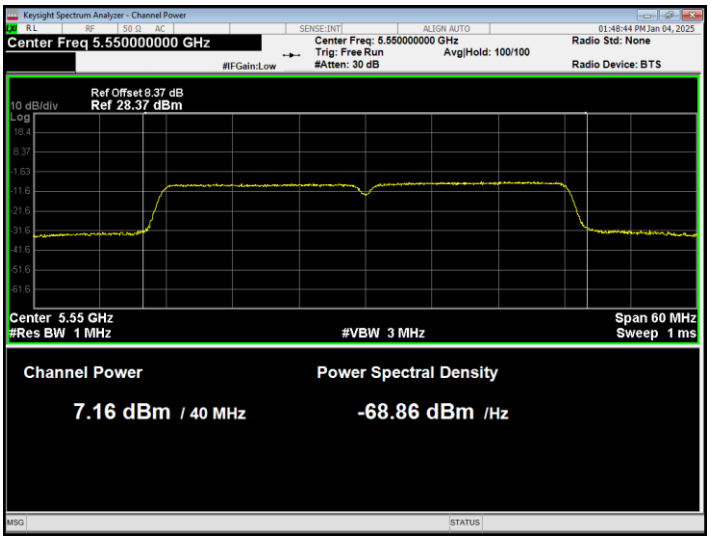
Power NVNT ax20 5700MHz Ant1



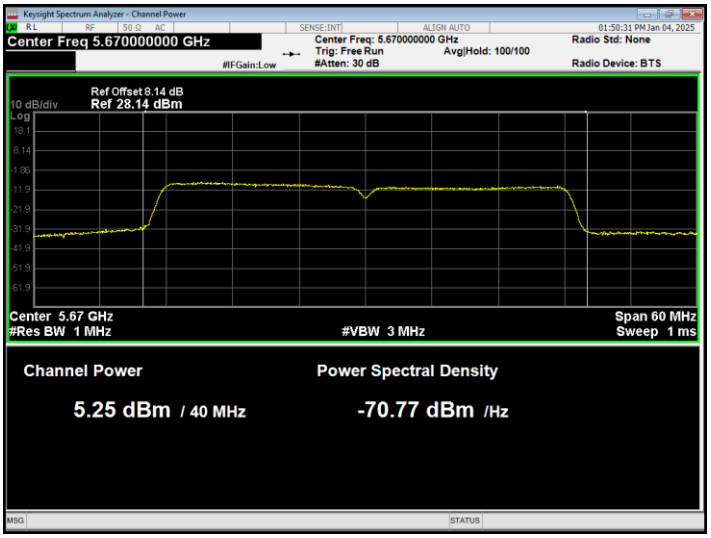

Power NVNT ax40 5510MHz Ant1



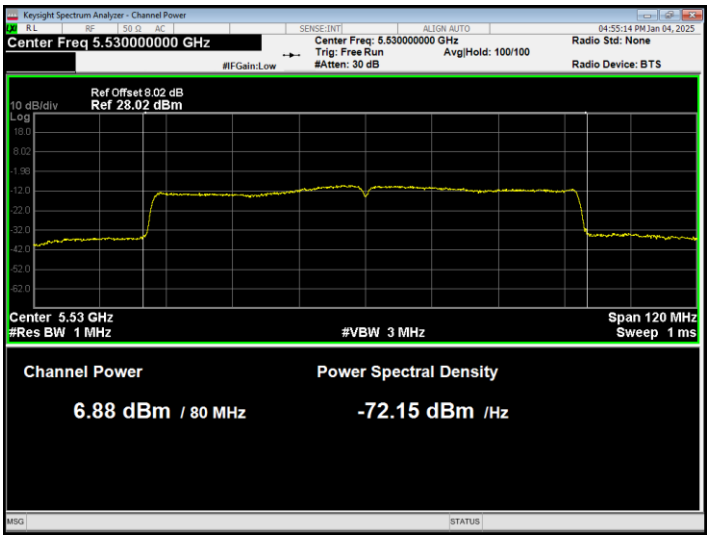

Power NVNT ax40 5550MHz Ant1



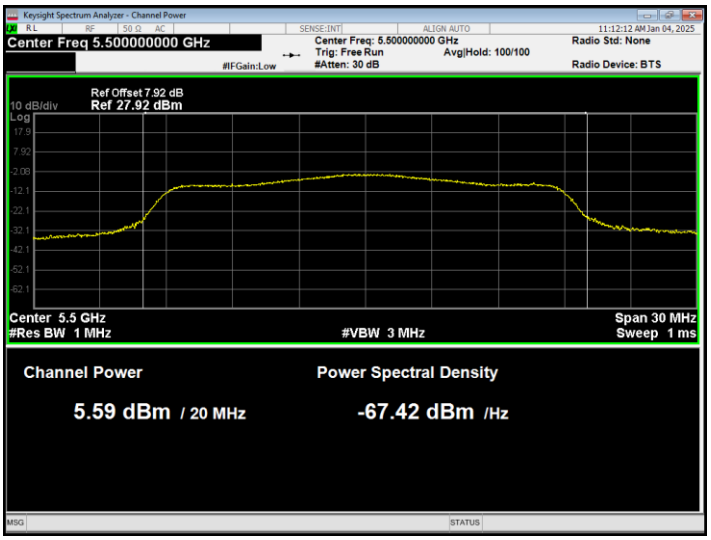
Power NVNT ax40 5670MHz Ant1



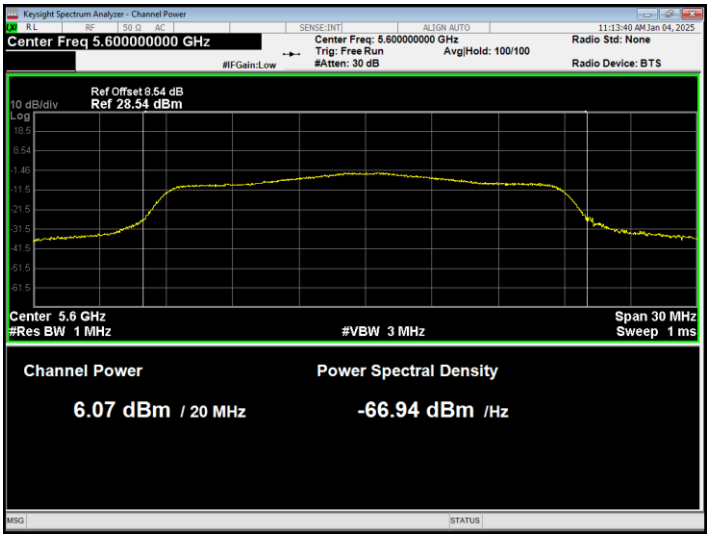

Power NVNT ax80 5530MHz Ant1



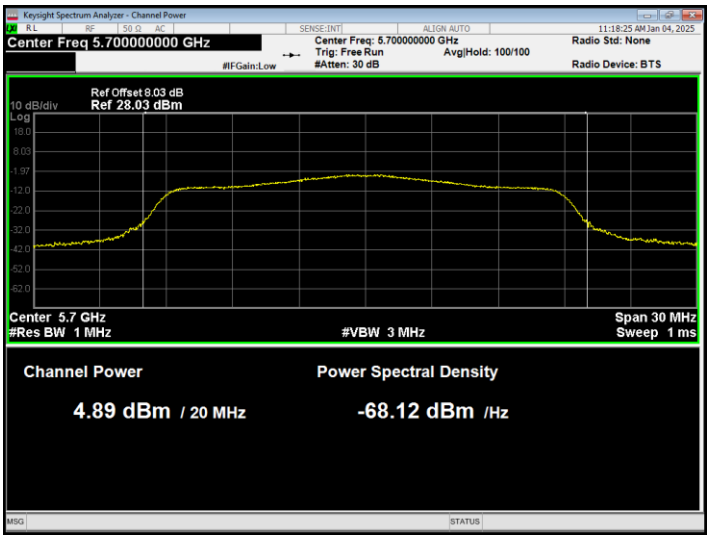

Power NVNT n20 5500MHz Ant1



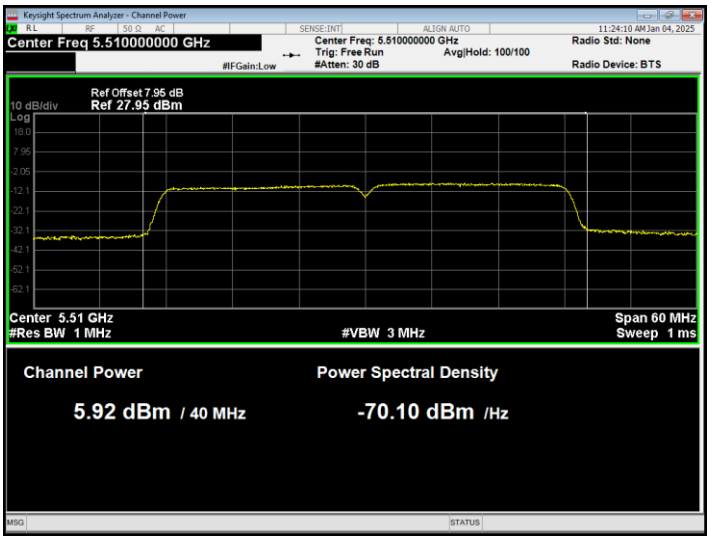
Power NVNT n20 5600MHz Ant1



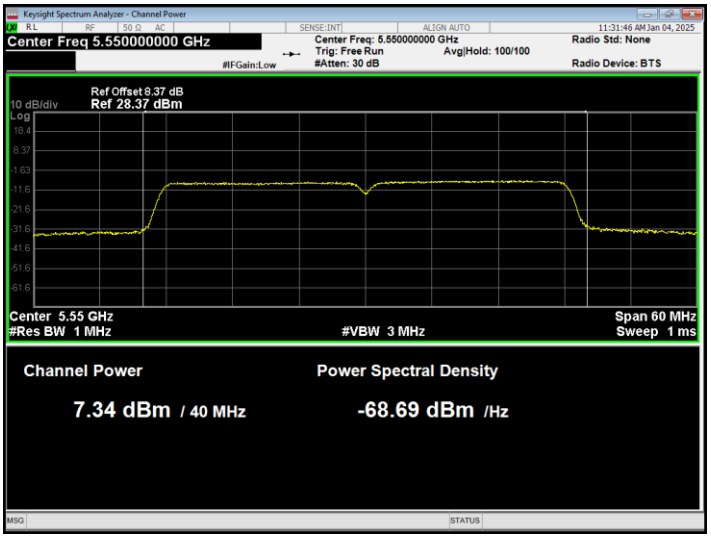

Power NVNT n20 5700MHz Ant1



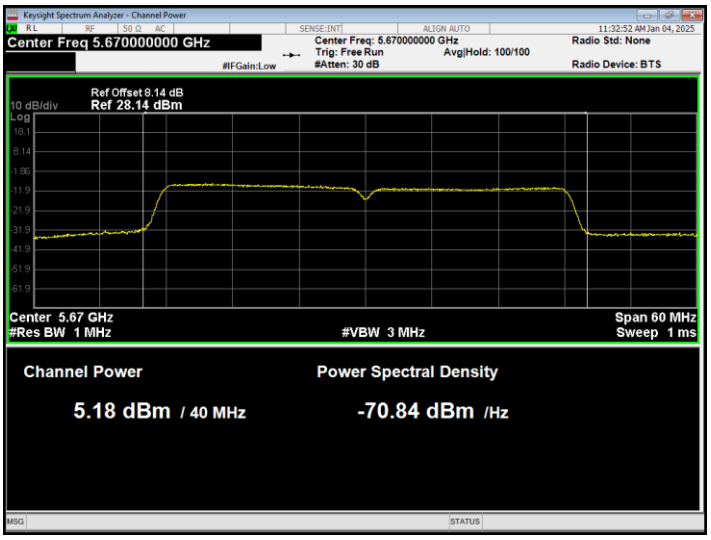

Power NVNT n40 5510MHz Ant1



Power NVNT n40 5550MHz Ant1



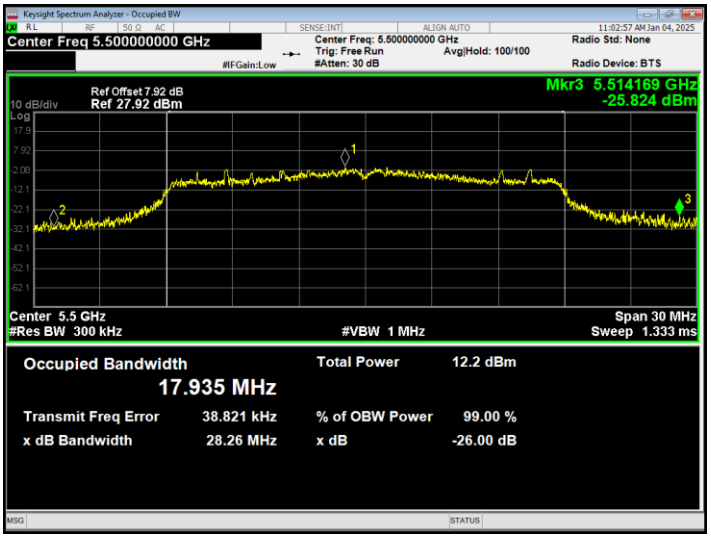

Power NVNT n40 5670MHz Ant1



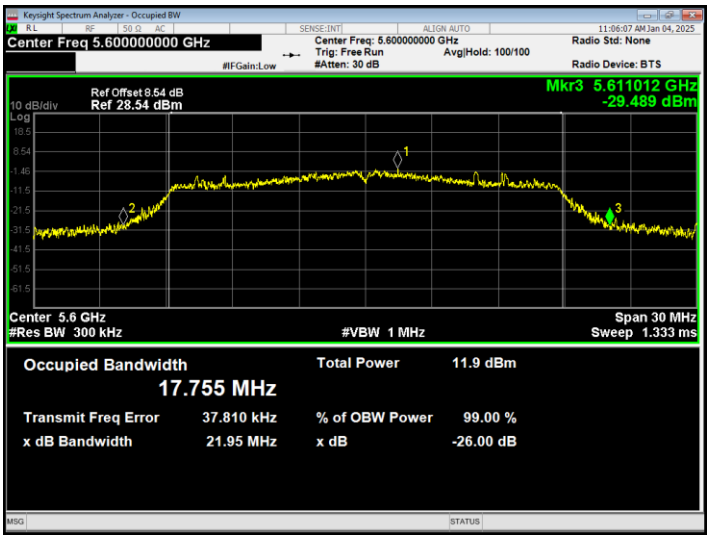
## -26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | a | 5500 | Ant1 | 28.259 | 0.5 | Pass |
| NVNT | a | 5600 | Ant1 | 21.948 | 0.5 | Pass |
| NVNT | a | 5700 | Ant1 | 22.438 | 0.5 | Pass |
| NVNT | ac20 | 5500 | Ant1 | 27.079 | 0.5 | Pass |
| NVNT | ac20 | 5600 | Ant1 | 24.289 | 0.5 | Pass |
| NVNT | ac20 | 5700 | Ant1 | 21.16 | 0.5 | Pass |
| NVNT | ac40 | 5510 | Ant1 | 59.938 | 0.5 | Pass |
| NVNT | ac40 | 5550 | Ant1 | 59.687 | 0.5 | Pass |
| NVNT | ac40 | 5670 | Ant1 | 59.749 | 0.5 | Pass |
| NVNT | ac80 | 5530 | Ant1 | 105.941 | 0.5 | Pass |
| NVNT | ax20 | 5500 | Ant1 | 26.774 | 0.5 | Pass |
| NVNT | ax20 | 5600 | Ant1 | 24.729 | 0.5 | Pass |
| NVNT | ax20 | 5700 | Ant1 | 21.25 | 0.5 | Pass |
| NVNT | ax40 | 5510 | Ant1 | 59.861 | 0.5 | Pass |
| NVNT | ax40 | 5550 | Ant1 | 59.583 | 0.5 | Pass |
| NVNT | ax40 | 5670 | Ant1 | 59.871 | 0.5 | Pass |
| NVNT | ax80 | 5530 | Ant1 | 112.182 | 0.5 | Pass |
| NVNT | n20 | 5500 | Ant1 | 25.758 | 0.5 | Pass |
| NVNT | n20 | 5600 | Ant1 | 23.103 | 0.5 | Pass |
| NVNT | n20 | 5700 | Ant1 | 21.405 | 0.5 | Pass |
| NVNT | n40 | 5510 | Ant1 | 59.057 | 0.5 | Pass |
| NVNT | n40 | 5550 | Ant1 | 59.825 | 0.5 | Pass |
| NVNT | n40 | 5670 | Ant1 | 59.871 | 0.5 | Pass |

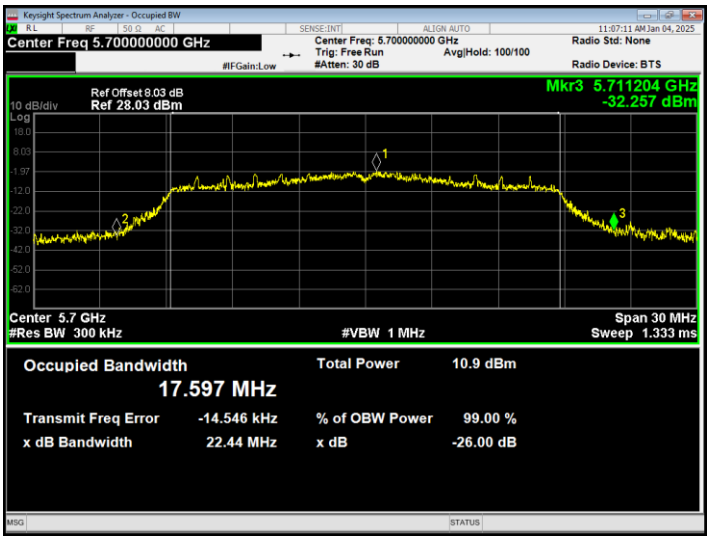
-26dB Bandwidth NVNT a 5500MHz Ant1



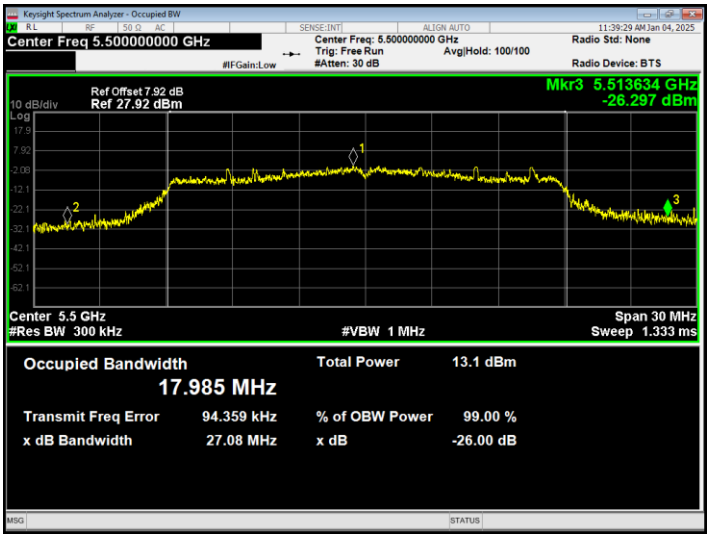

-26dB Bandwidth NVNT a 5600MHz Ant1



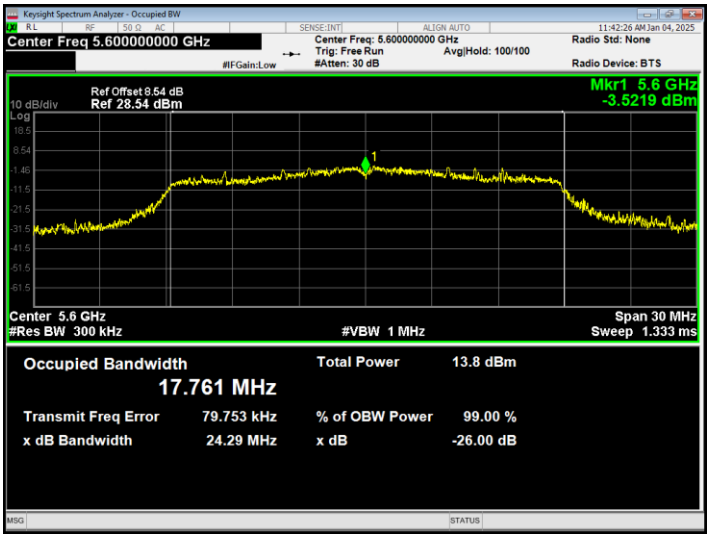

-26dB Bandwidth NVNT a 5700MHz Ant1



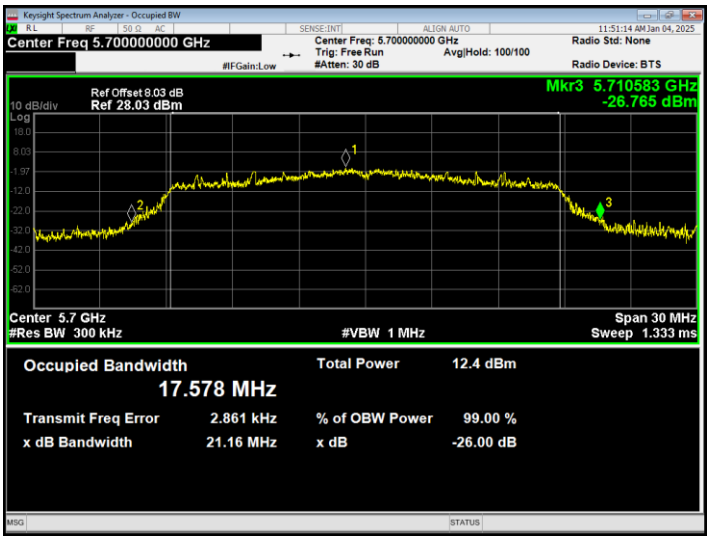
-26dB Bandwidth NVNT ac20 5500MHz Ant1



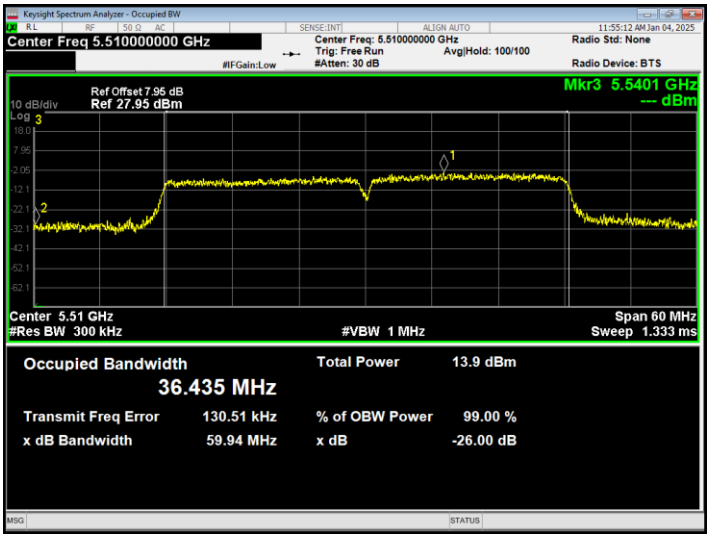

-26dB Bandwidth NVNT ac20 5600MHz Ant1



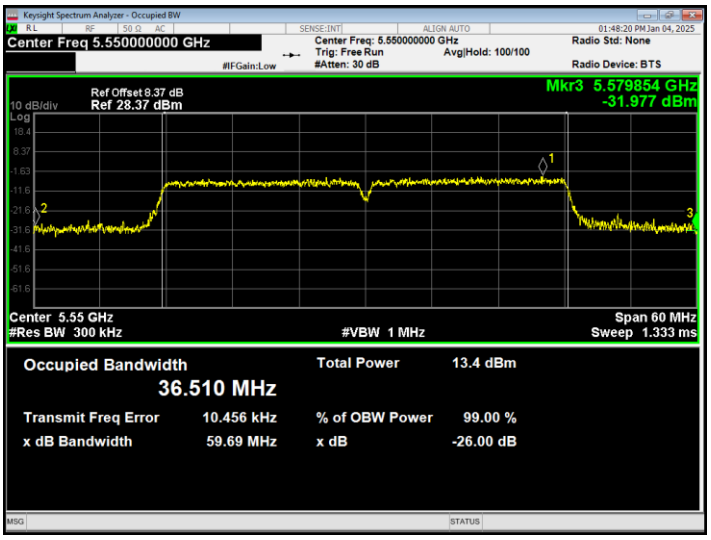

-26dB Bandwidth NVNT ac20 5700MHz Ant1



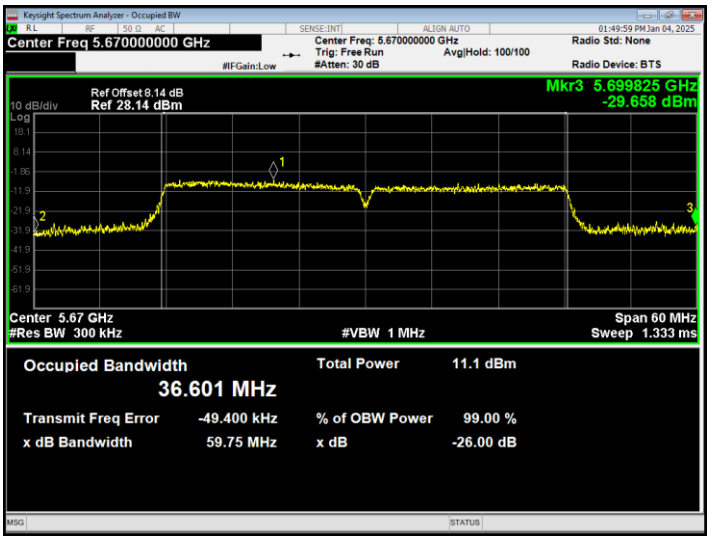
-26dB Bandwidth NVNT ac40 5510MHz Ant1



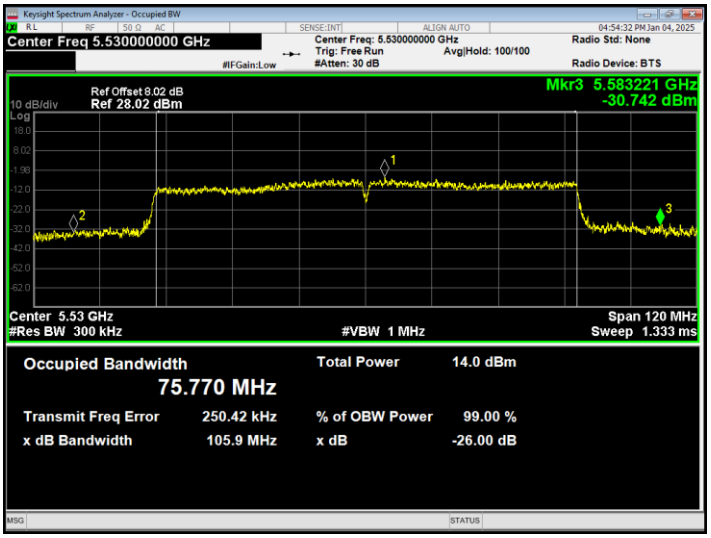

-26dB Bandwidth NVNT ac40 5550MHz Ant1



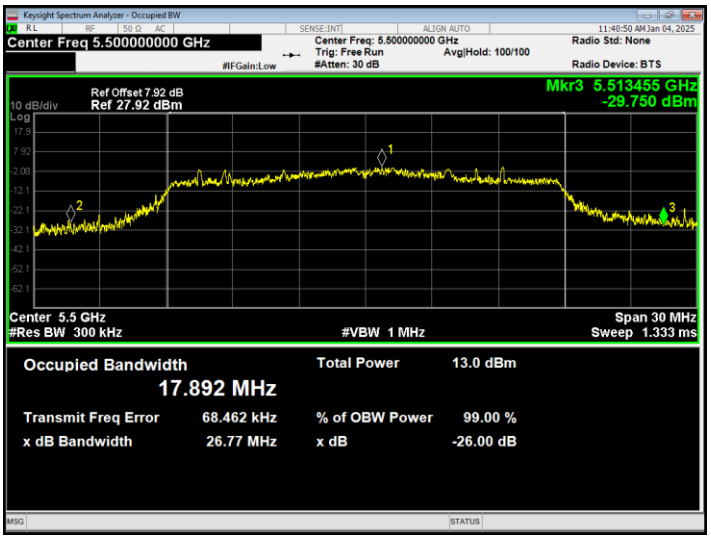

-26dB Bandwidth NVNT ac40 5670MHz Ant1



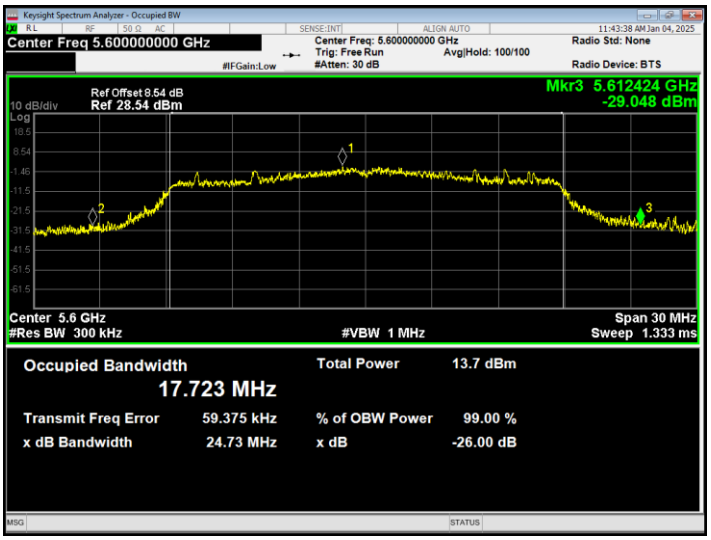
-26dB Bandwidth NVNT ac80 5530MHz Ant1



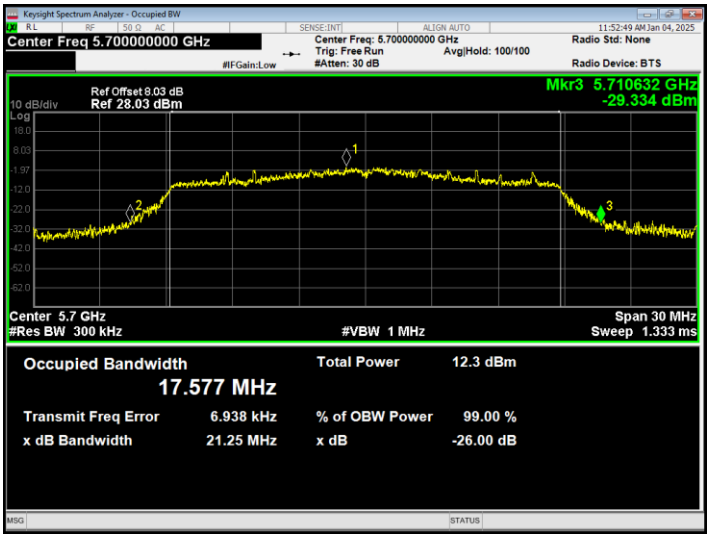

-26dB Bandwidth NVNT ax20 5500MHz Ant1



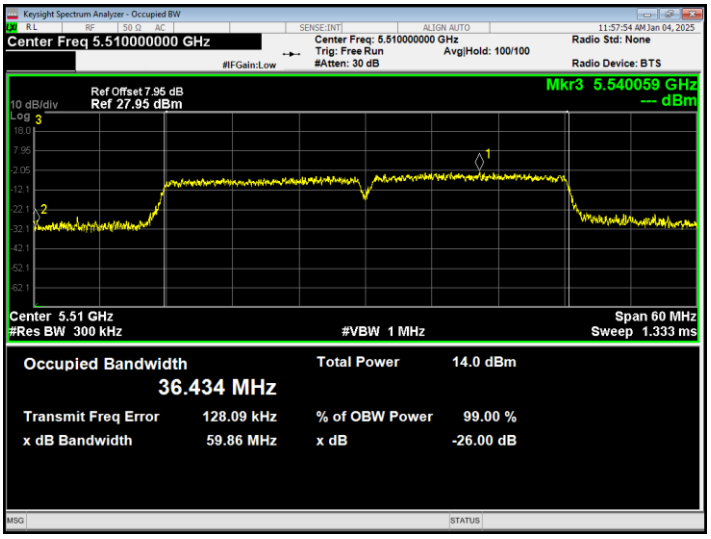

-26dB Bandwidth NVNT ax20 5600MHz Ant1



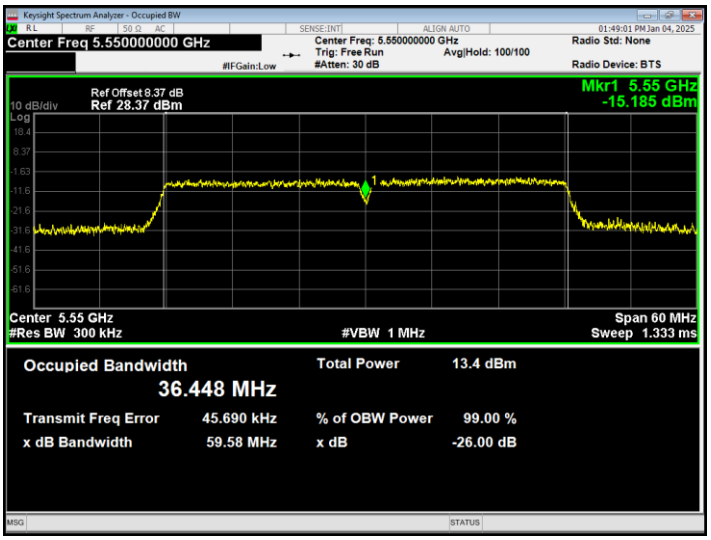
-26dB Bandwidth NVNT ax20 5700MHz Ant1



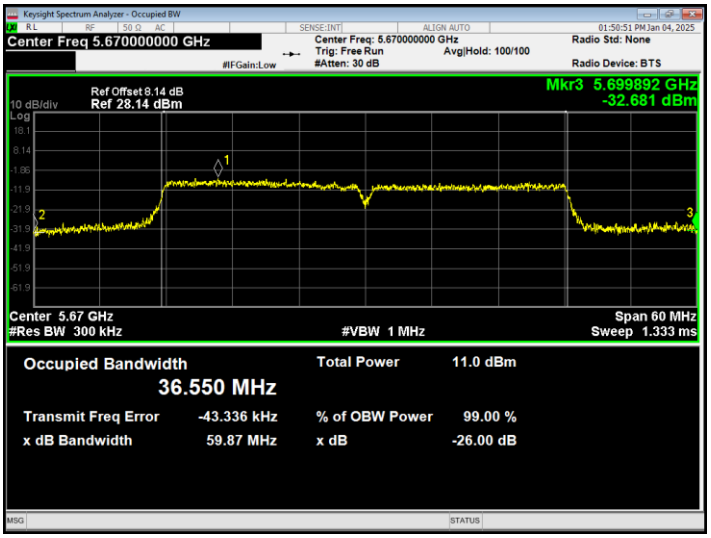

-26dB Bandwidth NVNT ax40 5510MHz Ant1



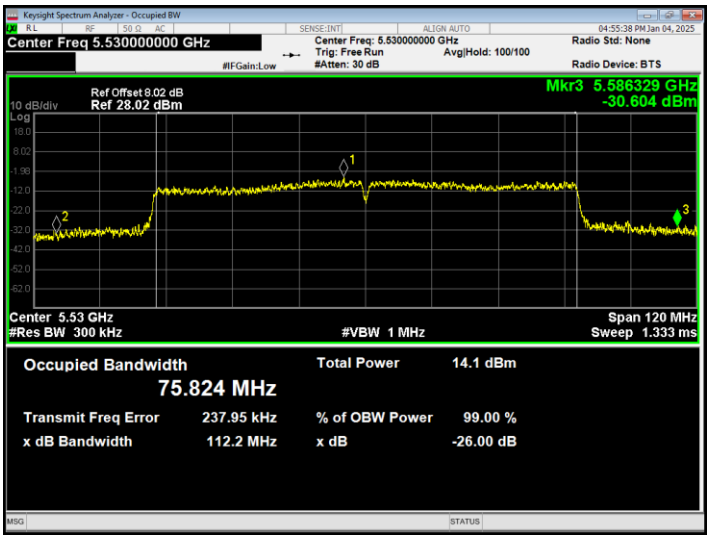

-26dB Bandwidth NVNT ax40 5550MHz Ant1

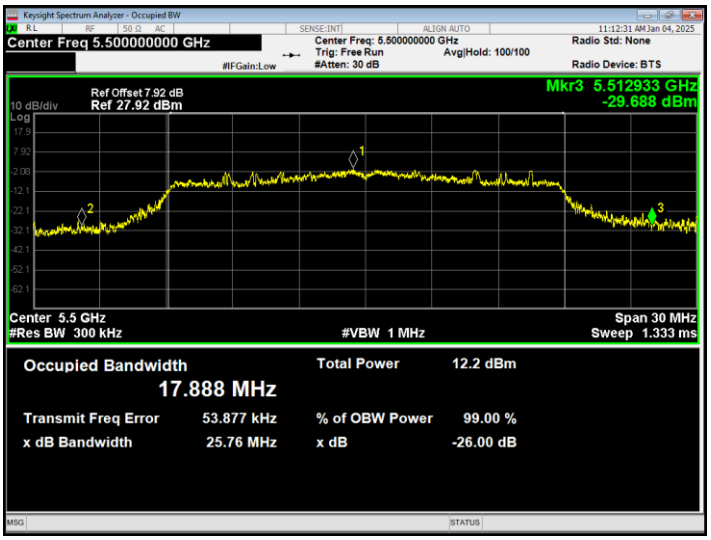


-26dB Bandwidth NVNT ax40 5670MHz Ant1




-26dB Bandwidth NVNT ax80 5530MHz Ant1




-26dB Bandwidth NVNT n20 5500MHz Ant1