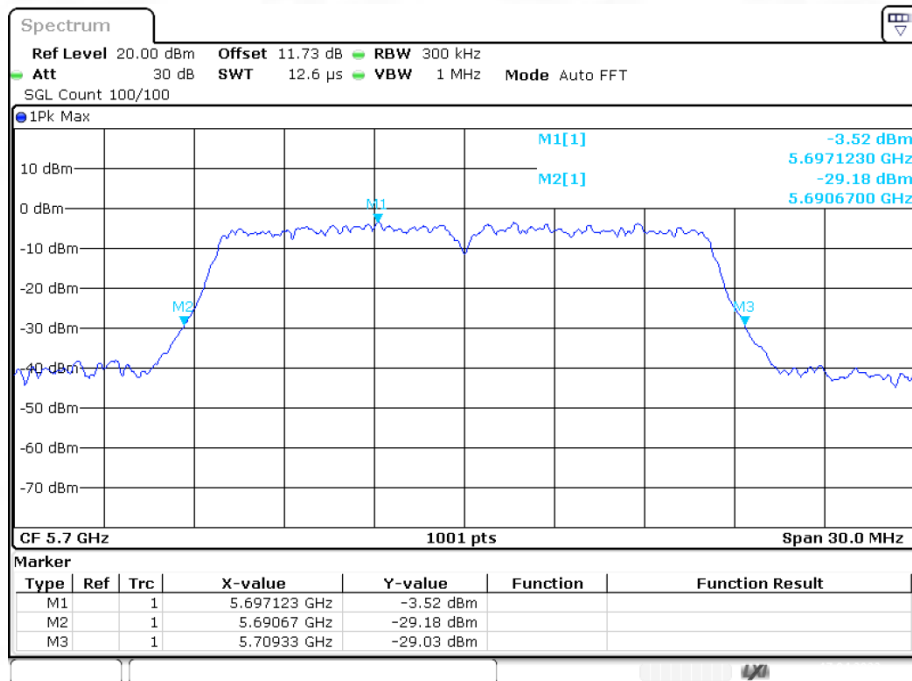
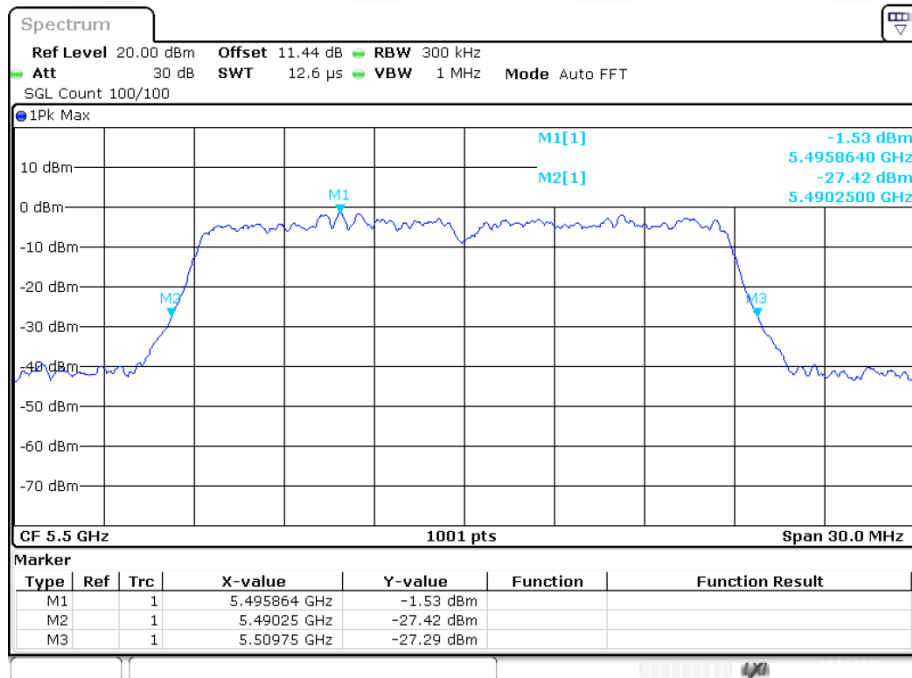


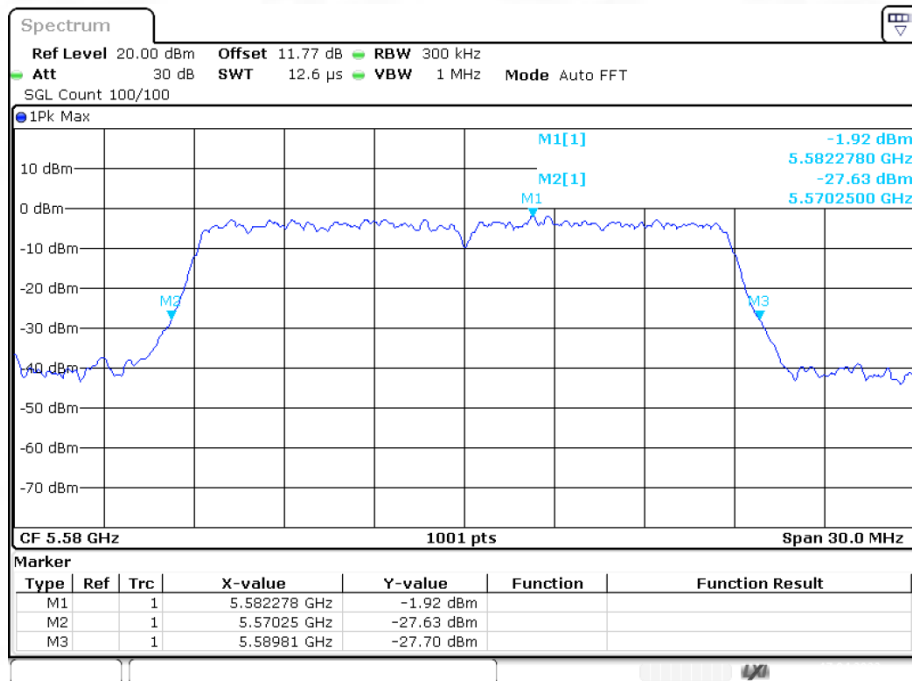
-26dB Bandwidth NVNT a 5700MHz Ant1



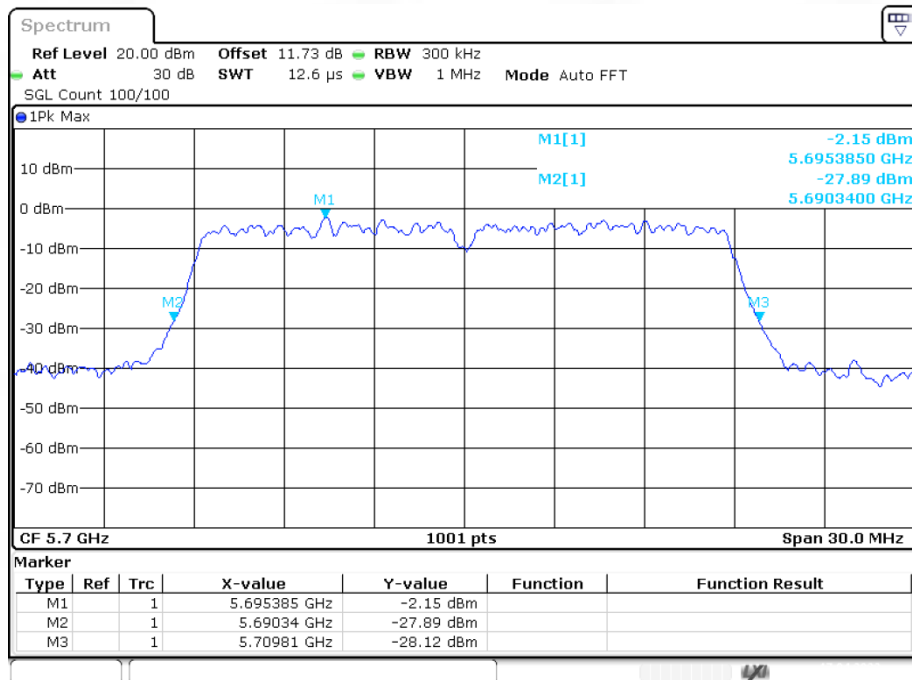
-26dB Bandwidth NVNT ac20 5500MHz Ant1



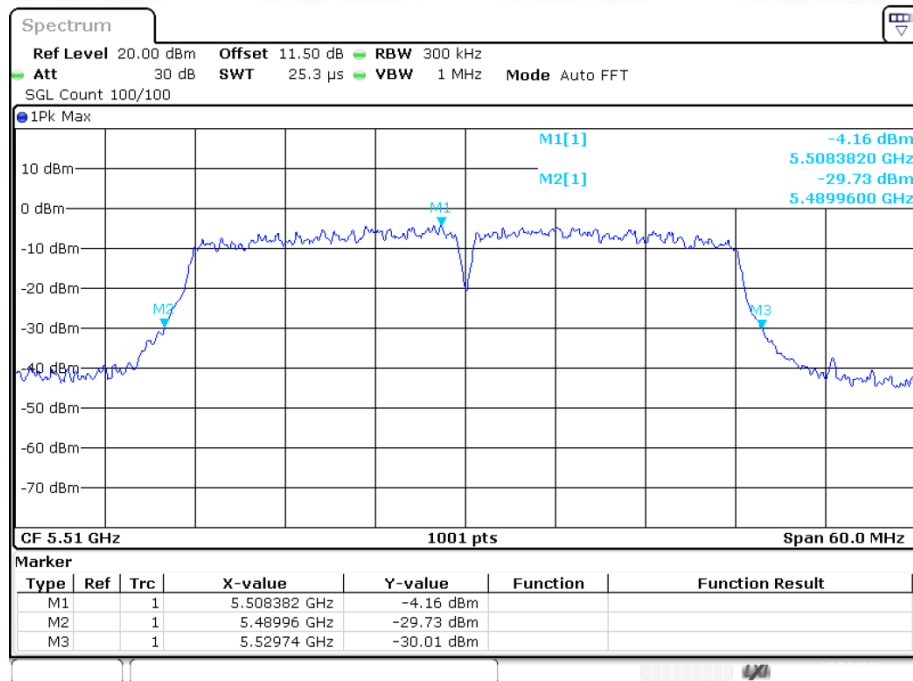
-26dB Bandwidth NVNT ac20 5580MHz Ant1



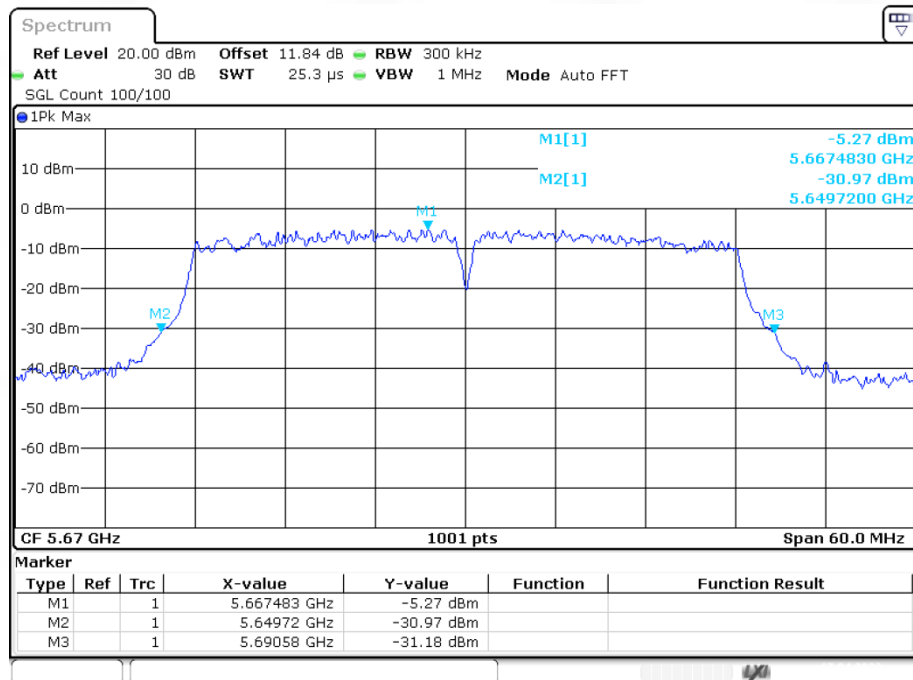
-26dB Bandwidth NVNT ac20 5700MHz Ant1



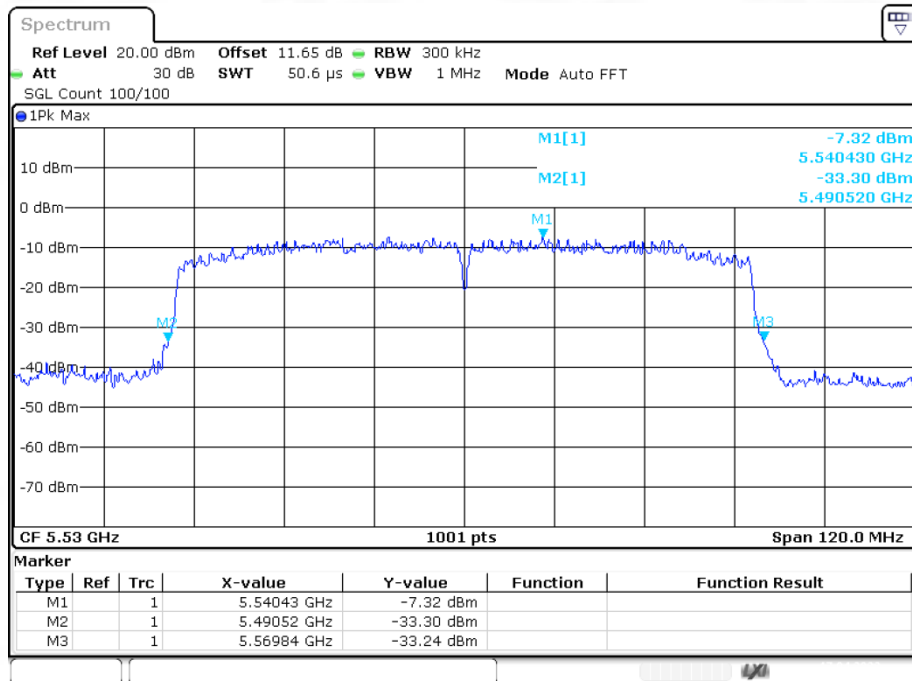
-26dB Bandwidth NVNT ac40 5510MHz Ant1



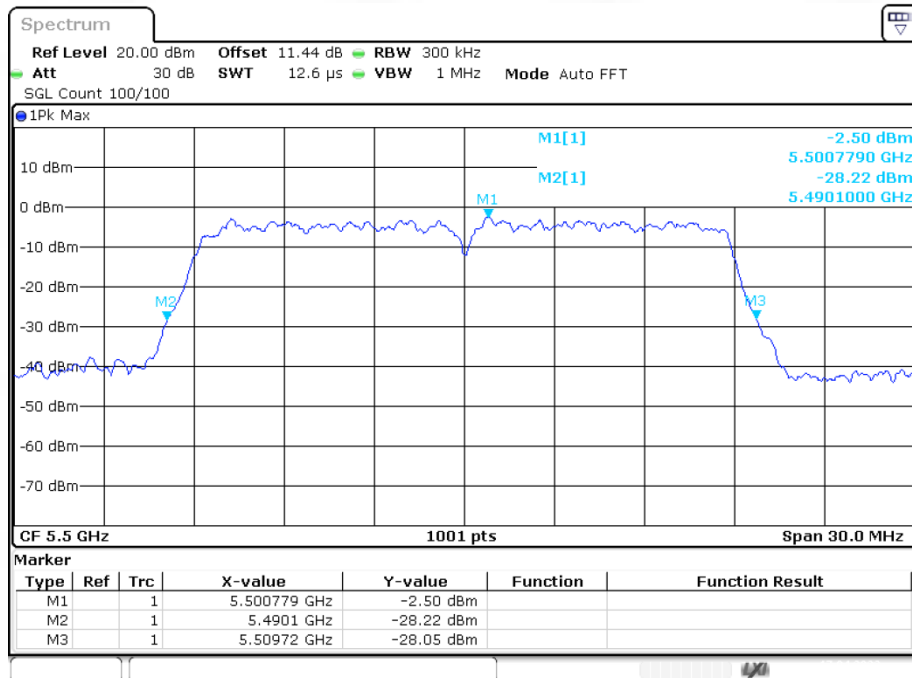
-26dB Bandwidth NVNT ac40 5670MHz Ant1



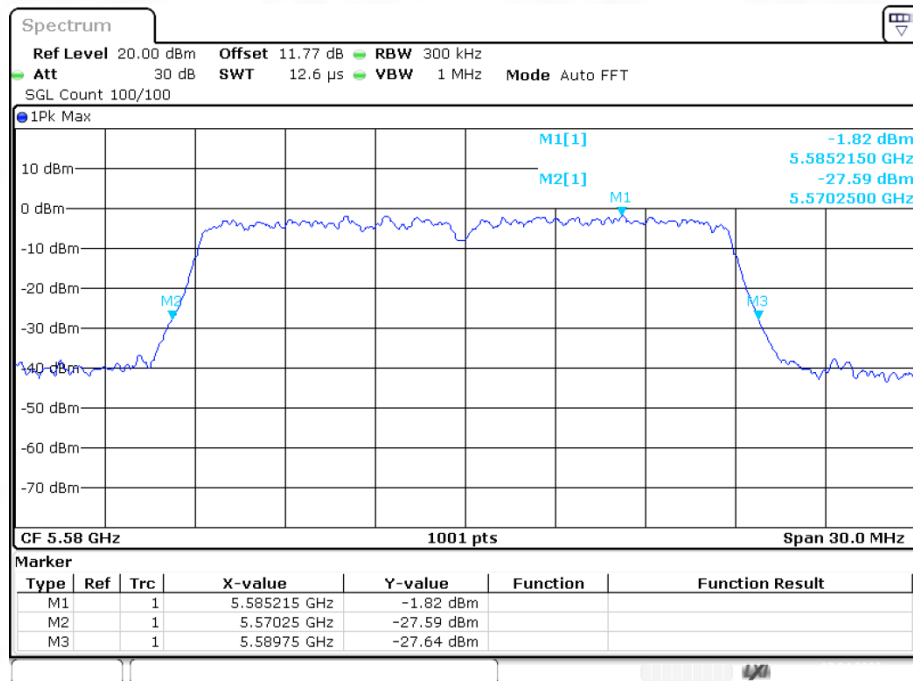
-26dB Bandwidth NVNT ac80 5530MHz Ant1



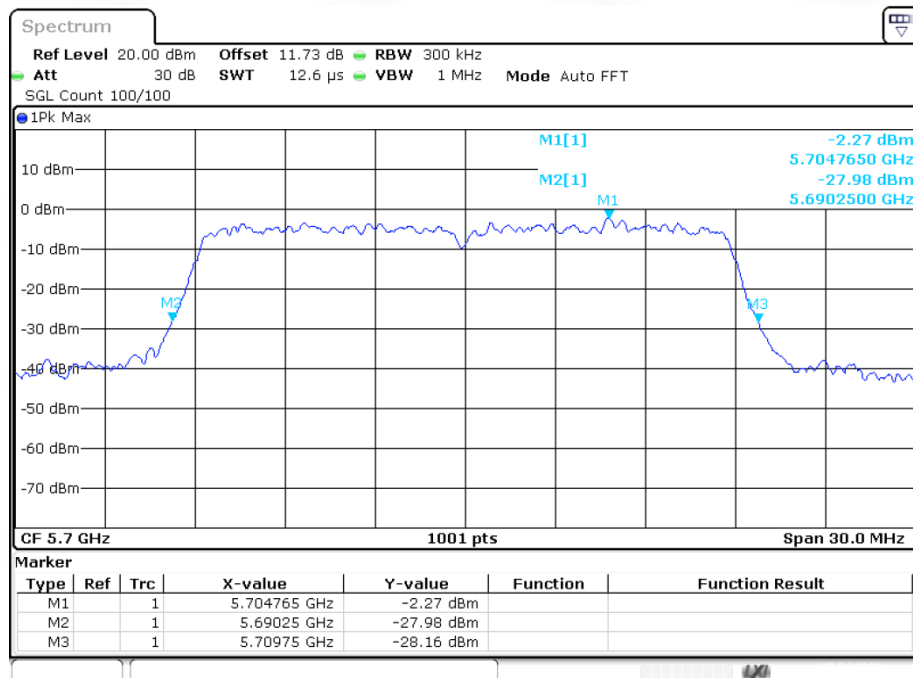
-26dB Bandwidth NVNT n20 5500MHz Ant1



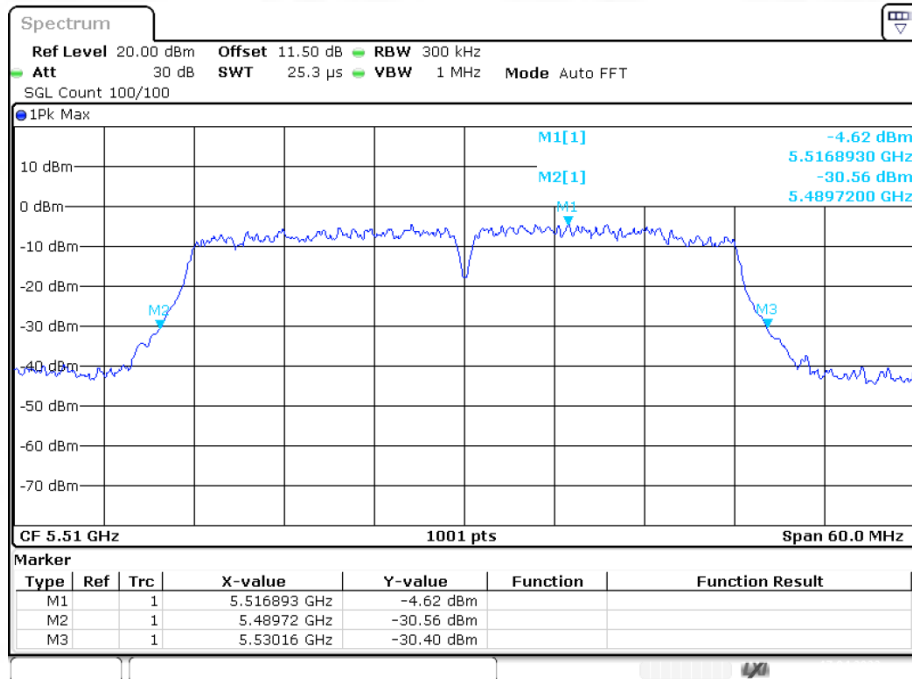
-26dB Bandwidth NVNT n20 5580MHz Ant1



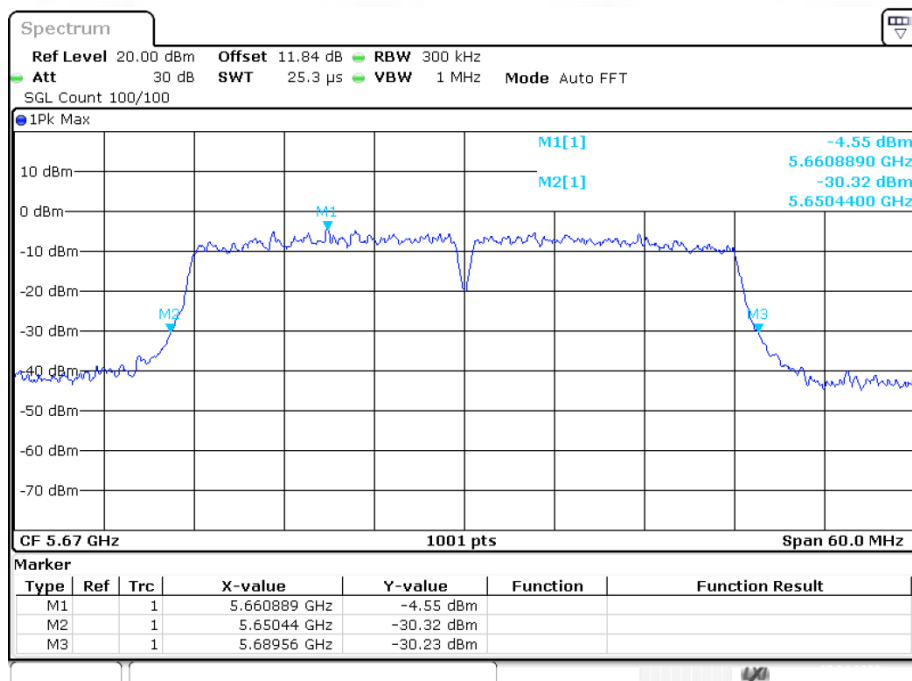
-26dB Bandwidth NVNT n20 5700MHz Ant1



-26dB Bandwidth NVNT n40 5510MHz Ant1



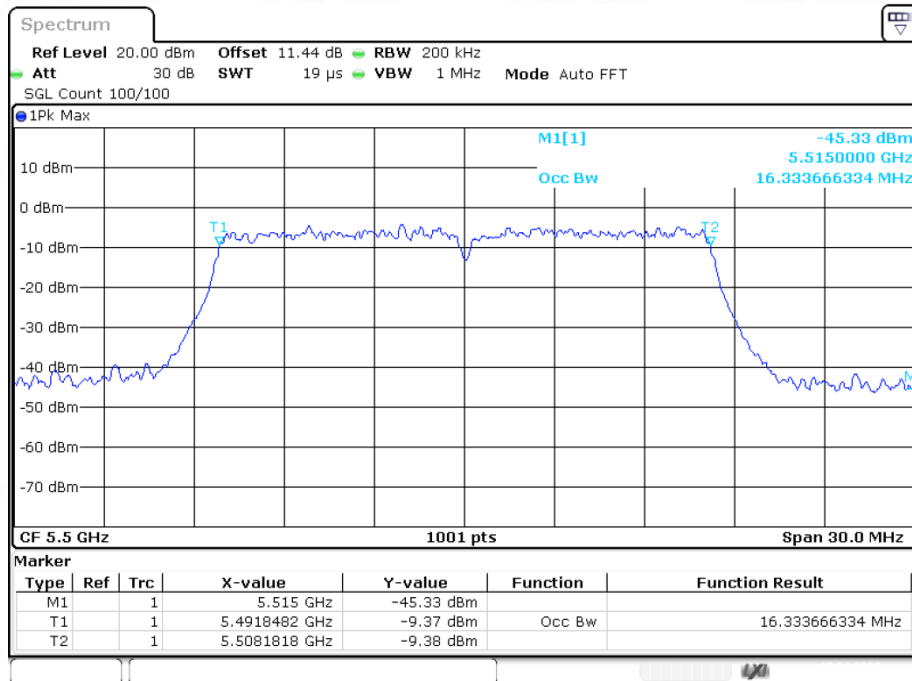
-26dB Bandwidth NVNT n40 5670MHz Ant1



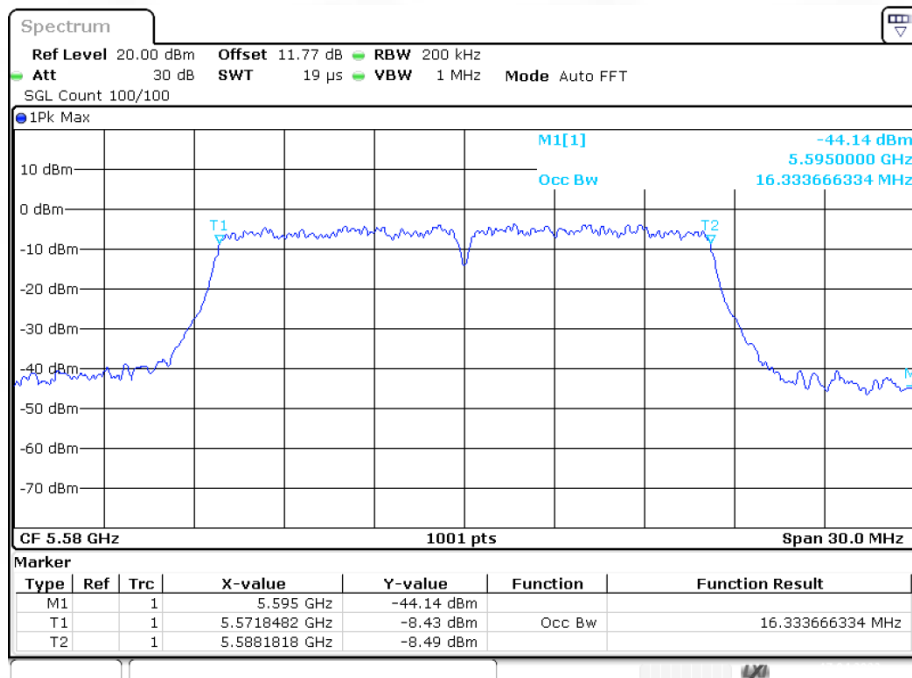
Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT | a | 5500 | Ant1 | 16.334 |
| NVNT | a | 5580 | Ant1 | 16.334 |
| NVNT | a | 5700 | Ant1 | 16.334 |
| NVNT | ac20 | 5500 | Ant1 | 17.532 |
| NVNT | ac20 | 5580 | Ant1 | 17.532 |
| NVNT | ac20 | 5700 | Ant1 | 17.532 |
| NVNT | ac40 | 5510 | Ant1 | 35.904 |
| NVNT | ac40 | 5670 | Ant1 | 36.084 |
| NVNT | ac80 | 5530 | Ant1 | 74.925 |
| NVNT | n20 | 5500 | Ant1 | 17.592 |
| NVNT | n20 | 5580 | Ant1 | 17.532 |
| NVNT | n20 | 5700 | Ant1 | 17.562 |
| NVNT | n40 | 5510 | Ant1 | 35.964 |
| NVNT | n40 | 5670 | Ant1 | 35.904 |

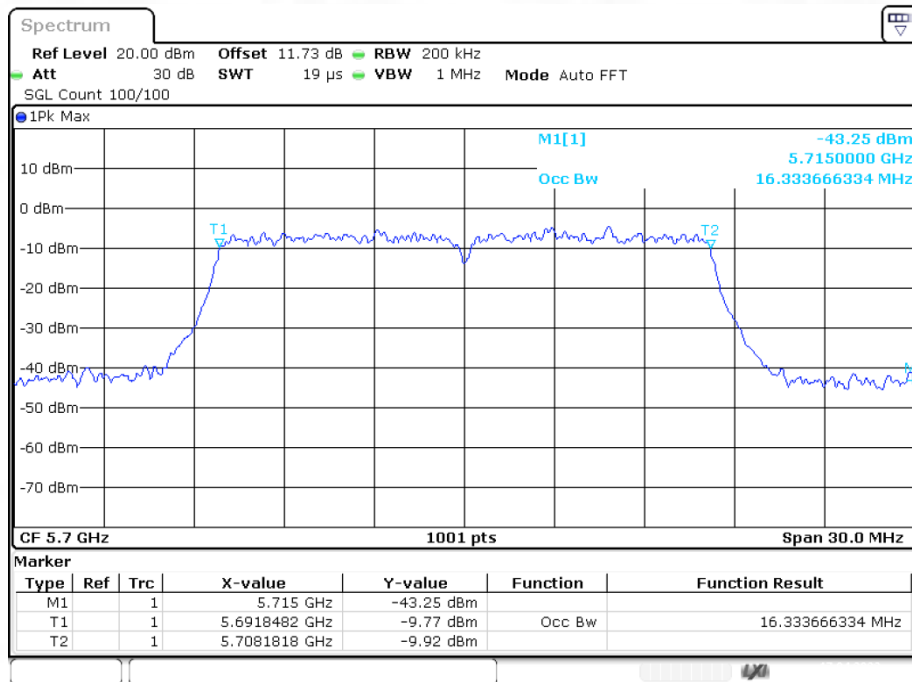
OBW NVNT a 5500MHz Ant1



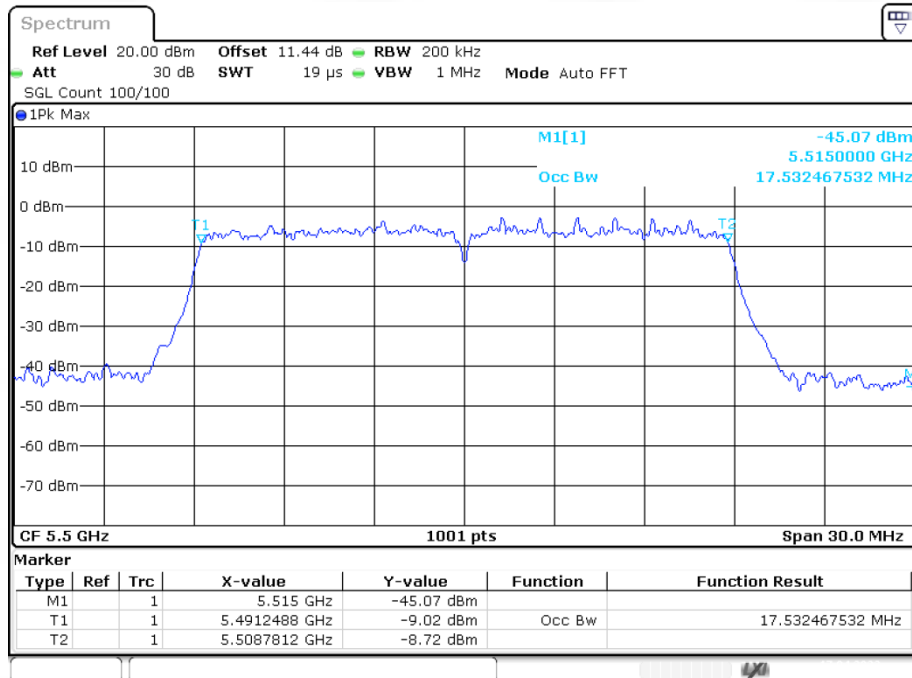
OBW NVNT a 5580MHz Ant1



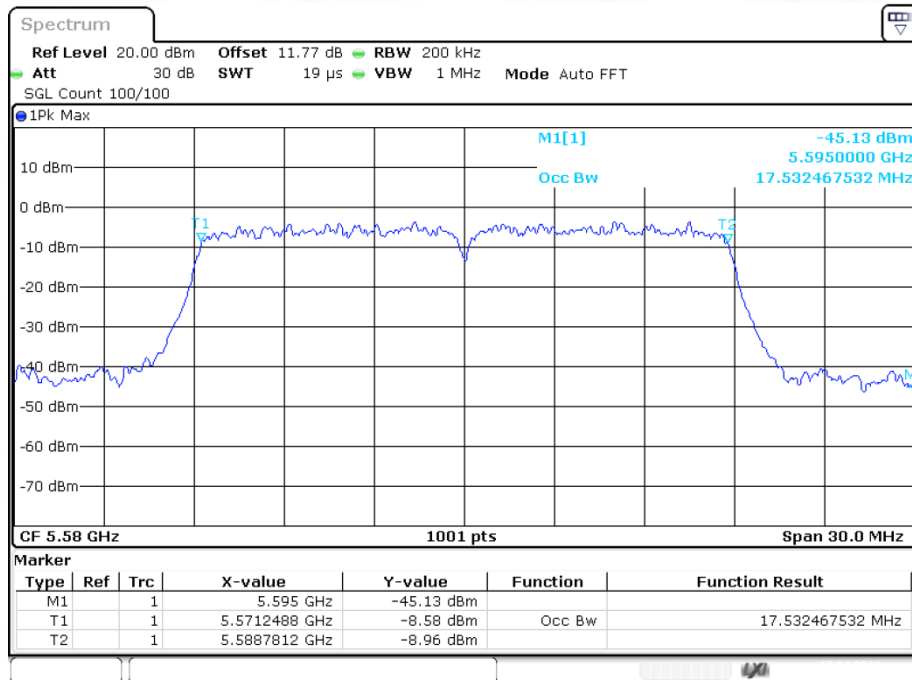
OBW NVNT a 5700MHz Ant1



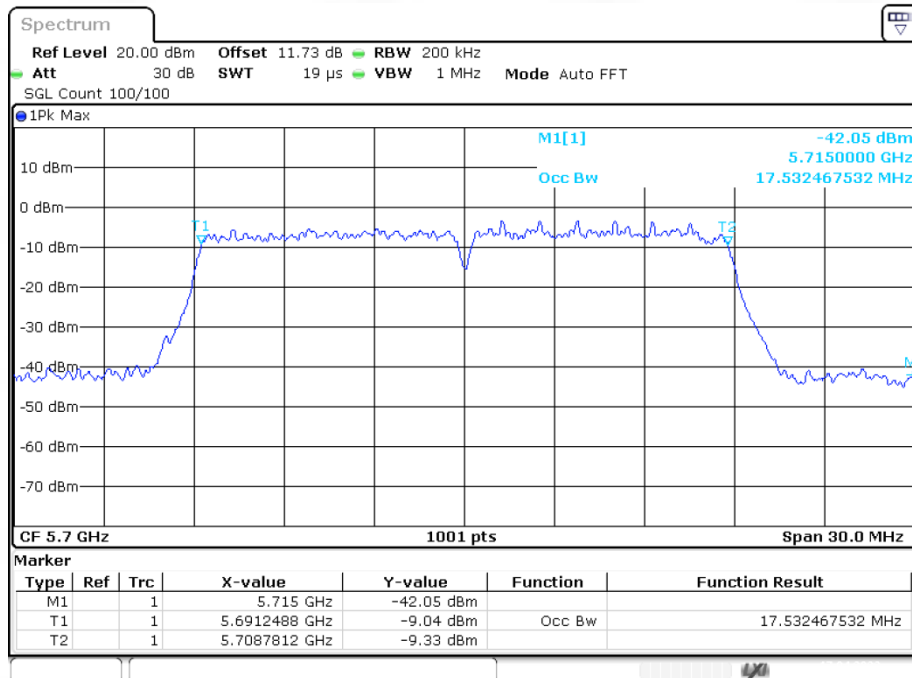
OBW NVNT ac20 5500MHz Ant1



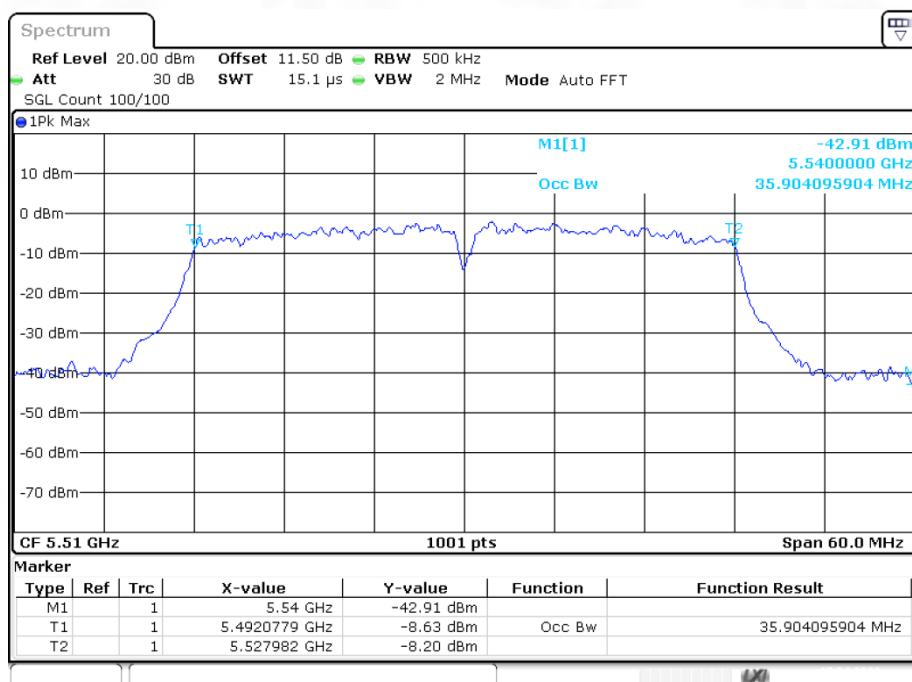
OBW NVNT ac20 5580MHz Ant1



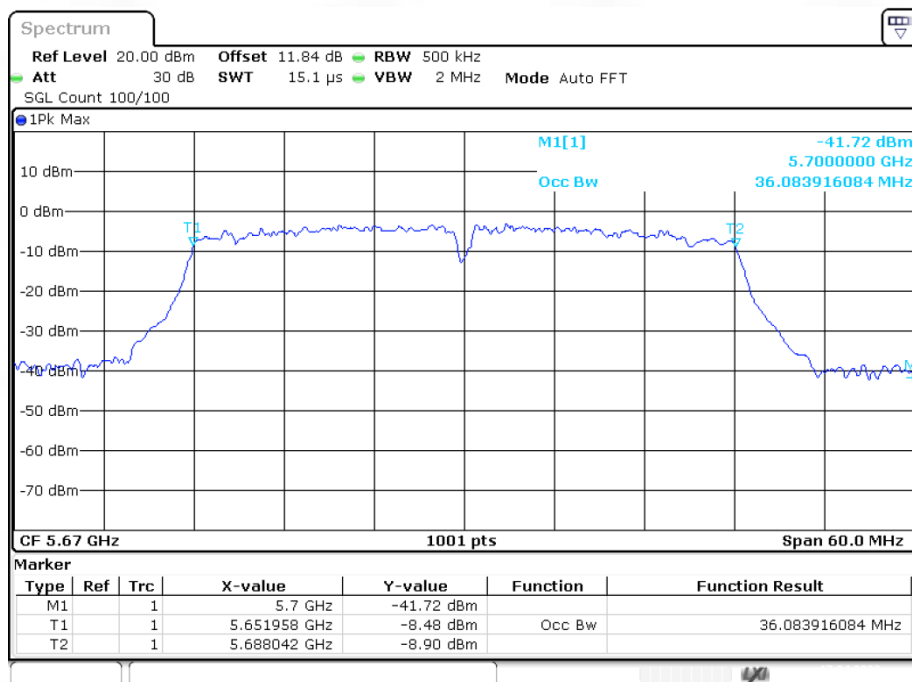
OBW NVNT ac20 5700MHz Ant1



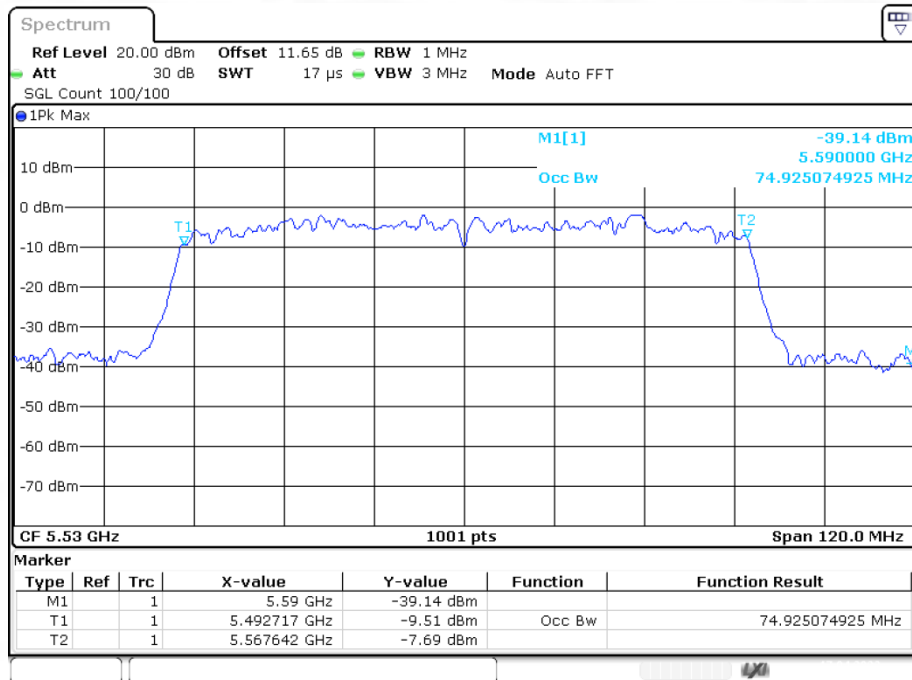
OBW NVNT ac40 5510MHz Ant1



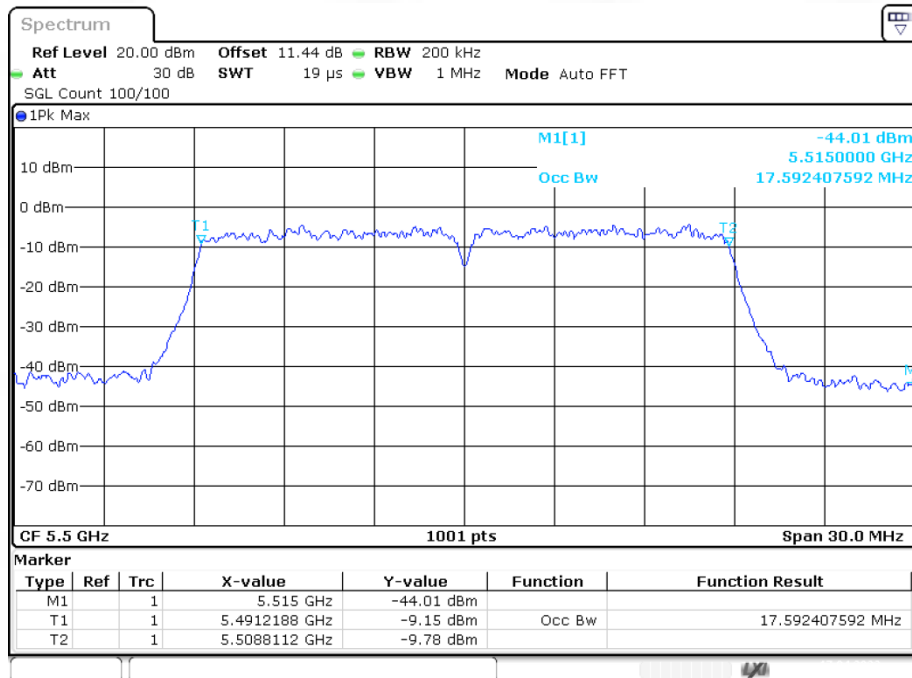
OBW NVNT ac40 5670MHz Ant1



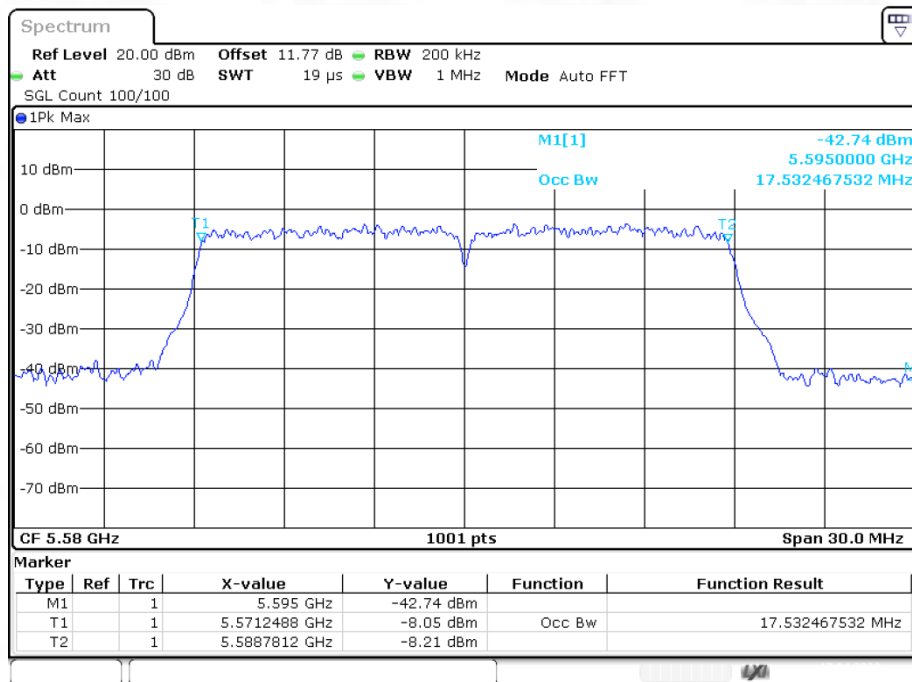
OBW NVNT ac80 5530MHz Ant1



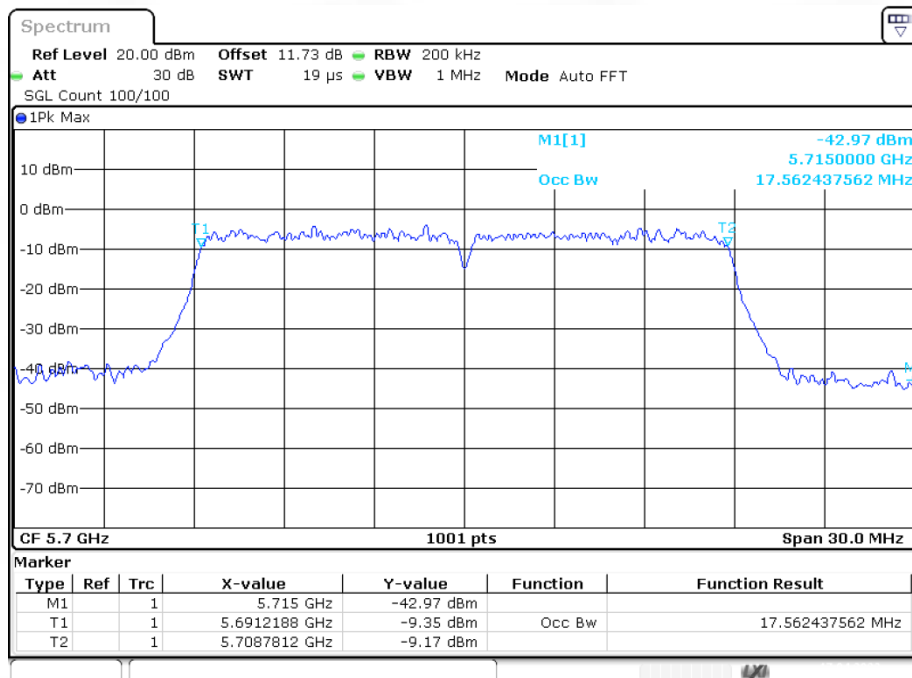
OBW NVNT n20 5500MHz Ant1



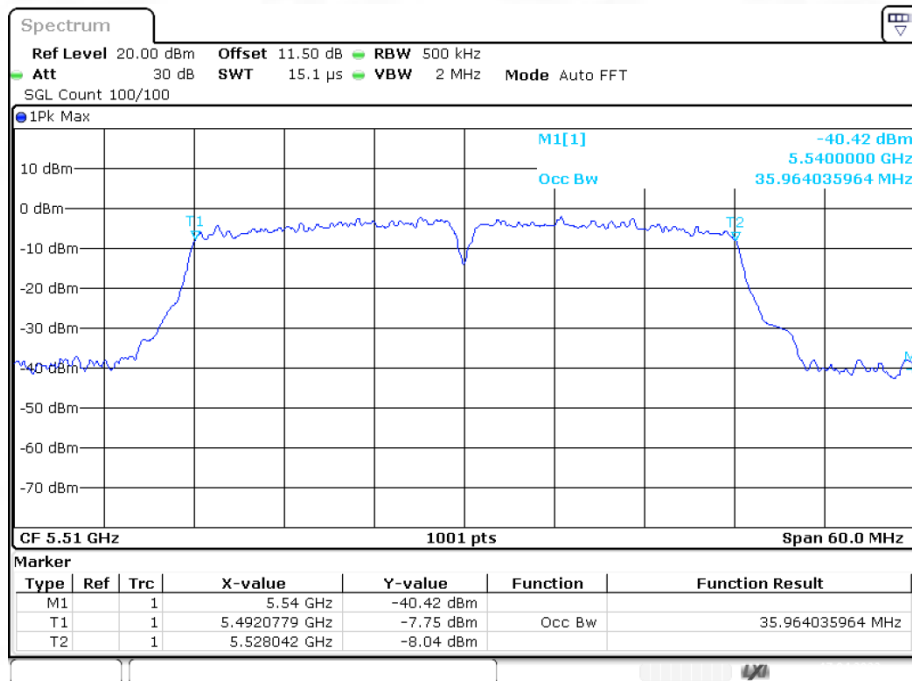
OBW NVNT n20 5580MHz Ant1



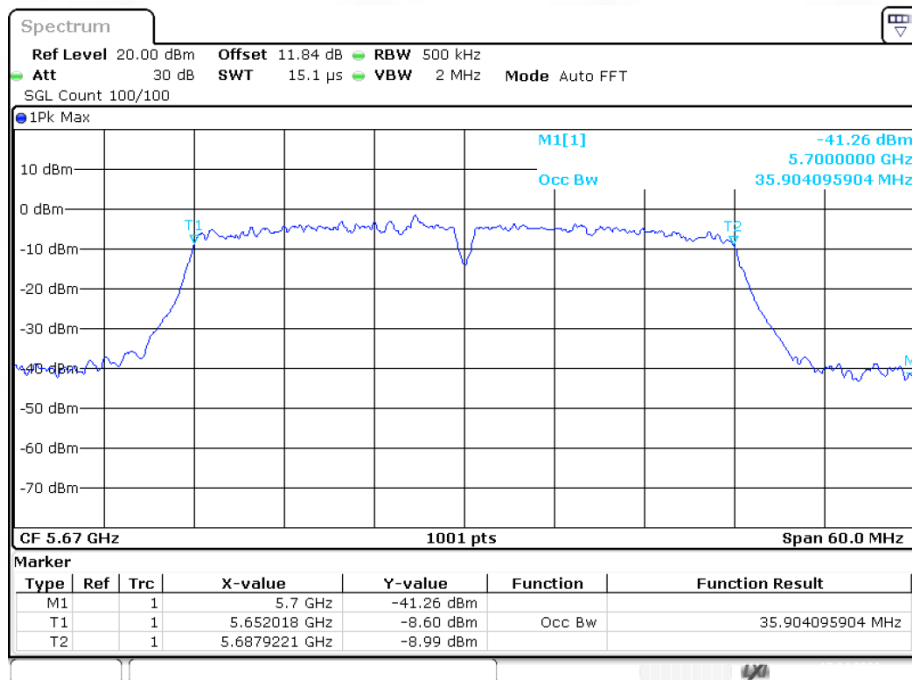
OBW NVNT n20 5700MHz Ant1



OBW NVNT n40 5510MHz Ant1



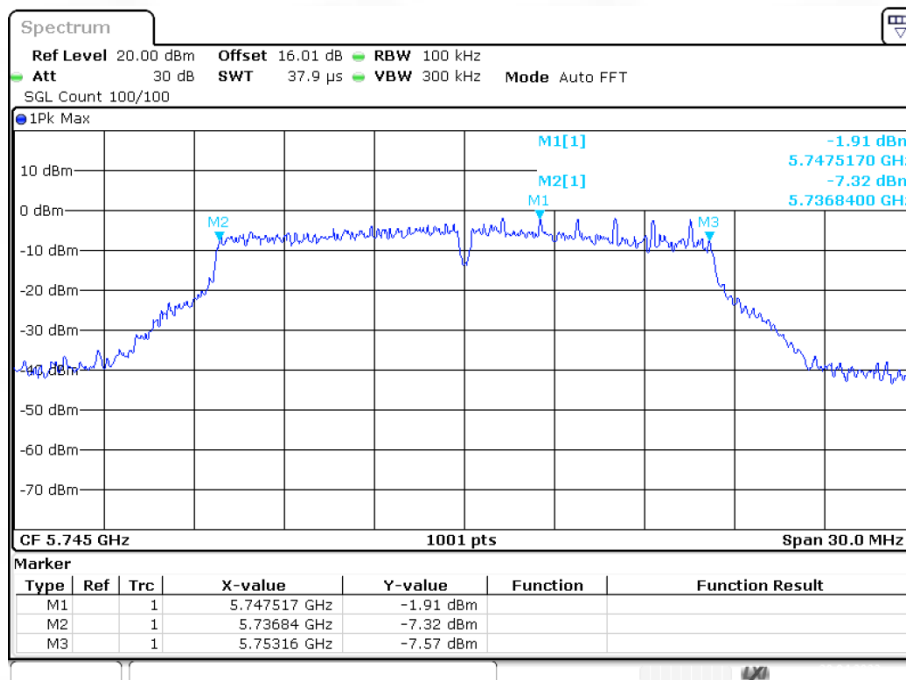
OBW NVNT n40 5670MHz Ant1



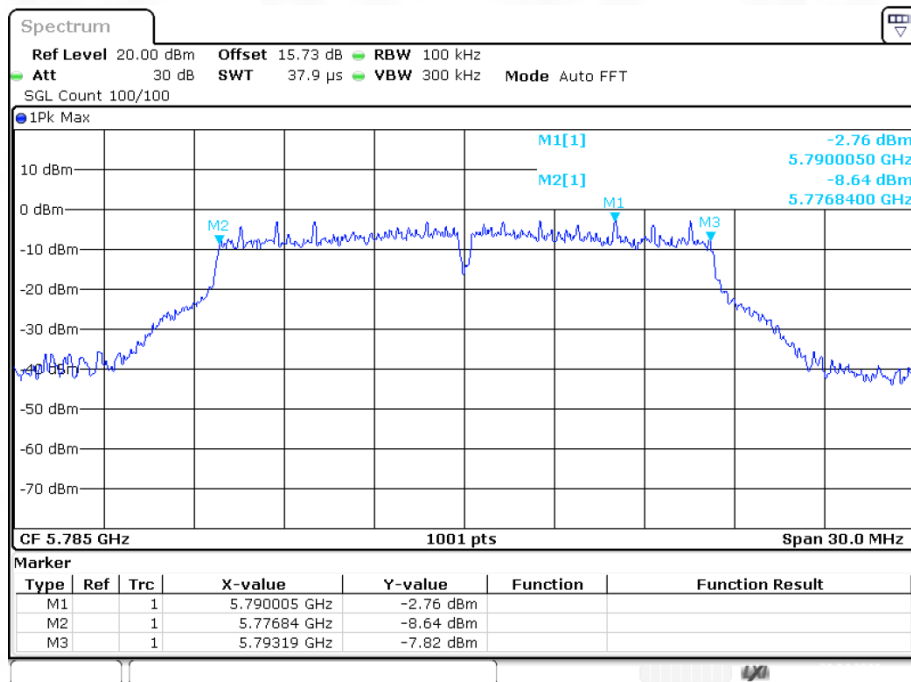
Band 4 (5725-5850 MHz): -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT | a | 5745 | Ant1 | 16.32 | 0.5 | Pass |
| NVNT | a | 5785 | Ant1 | 16.35 | 0.5 | Pass |
| NVNT | a | 5825 | Ant1 | 16.29 | 0.5 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 17.61 | 0.5 | Pass |
| NVNT | ac20 | 5785 | Ant1 | 17.61 | 0.5 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 17.61 | 0.5 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 35.76 | 0.5 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 35.76 | 0.5 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 75.6 | 0.5 | Pass |
| NVNT | n20 | 5745 | Ant1 | 17.67 | 0.5 | Pass |
| NVNT | n20 | 5785 | Ant1 | 17.31 | 0.5 | Pass |
| NVNT | n20 | 5825 | Ant1 | 17.61 | 0.5 | Pass |
| NVNT | n40 | 5755 | Ant1 | 35.76 | 0.5 | Pass |
| NVNT | n40 | 5795 | Ant1 | 36.36 | 0.5 | Pass |

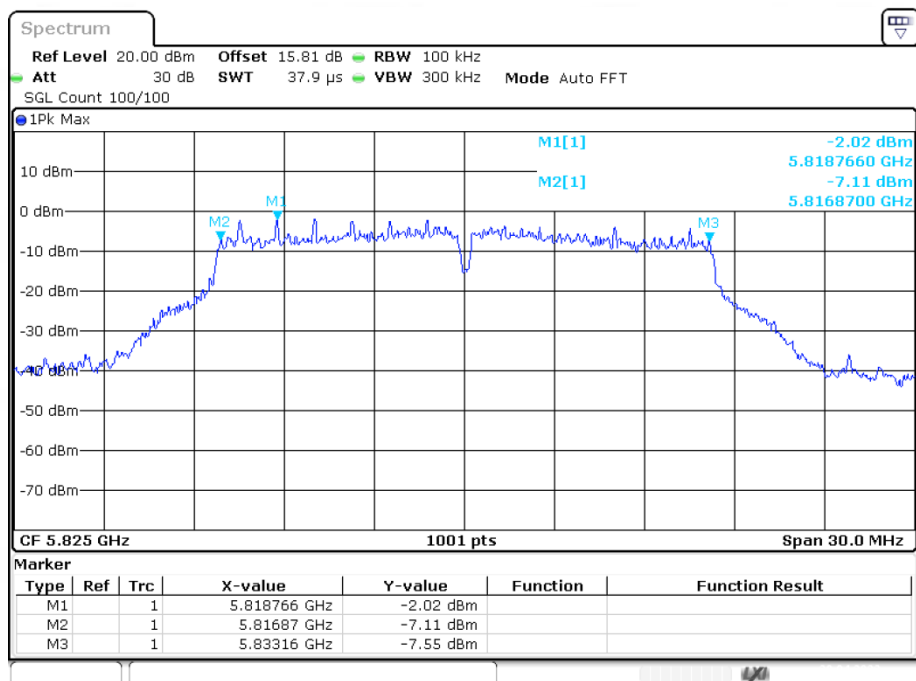
-6dB Bandwidth NVNT a 5745MHz Ant1



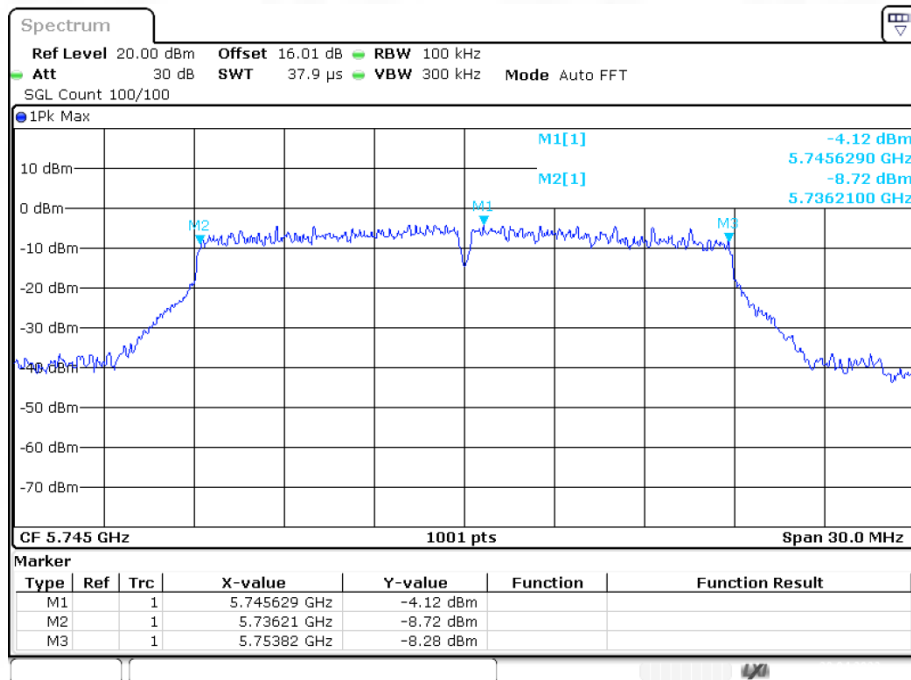
-6dB Bandwidth NVNT a 5785MHz Ant1



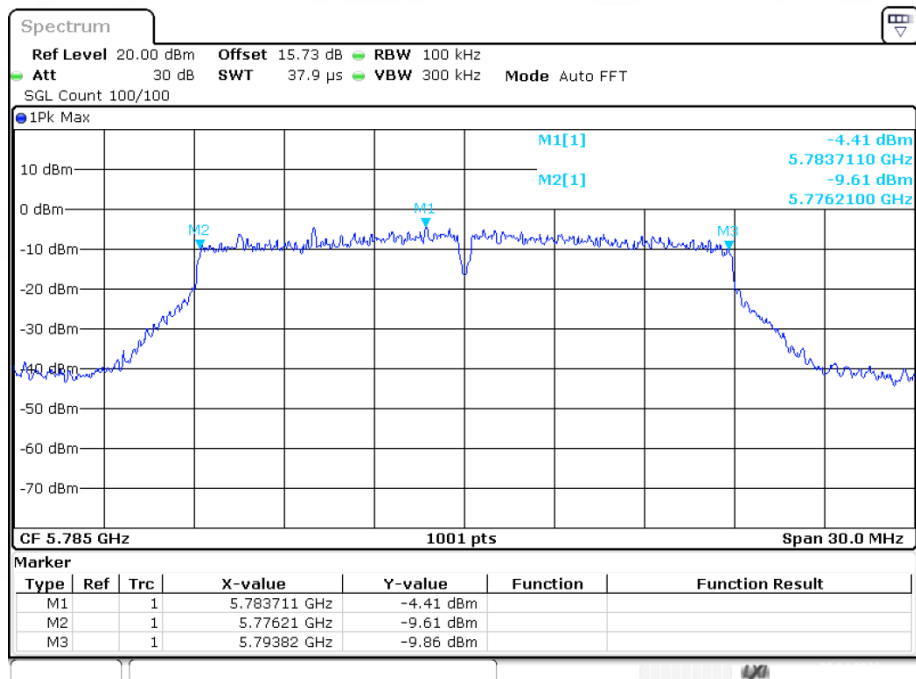
-6dB Bandwidth NVNT a 5825MHz Ant1



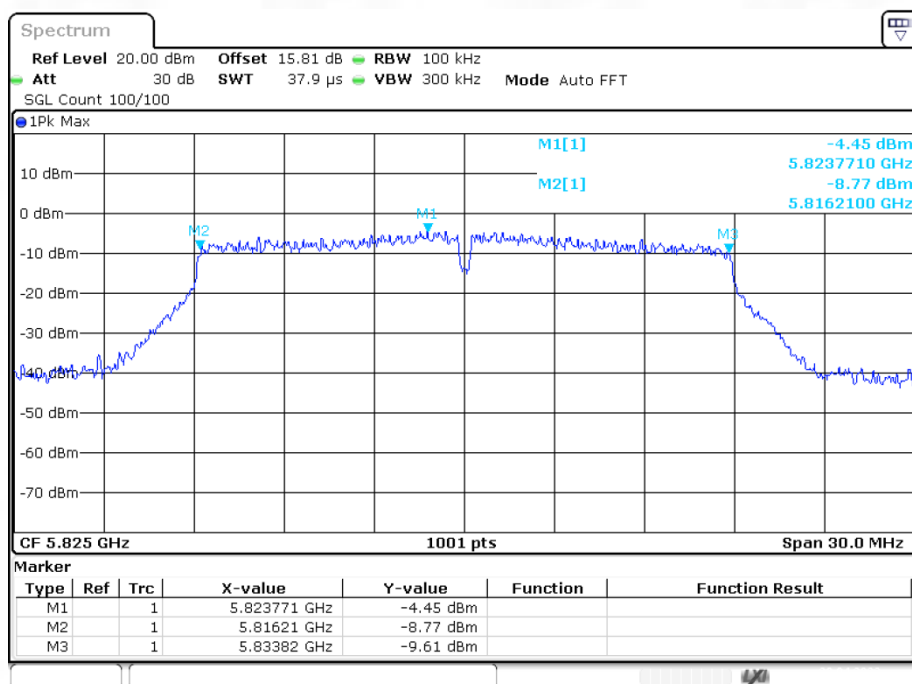
-6dB Bandwidth NVNT ac20 5745MHz Ant1



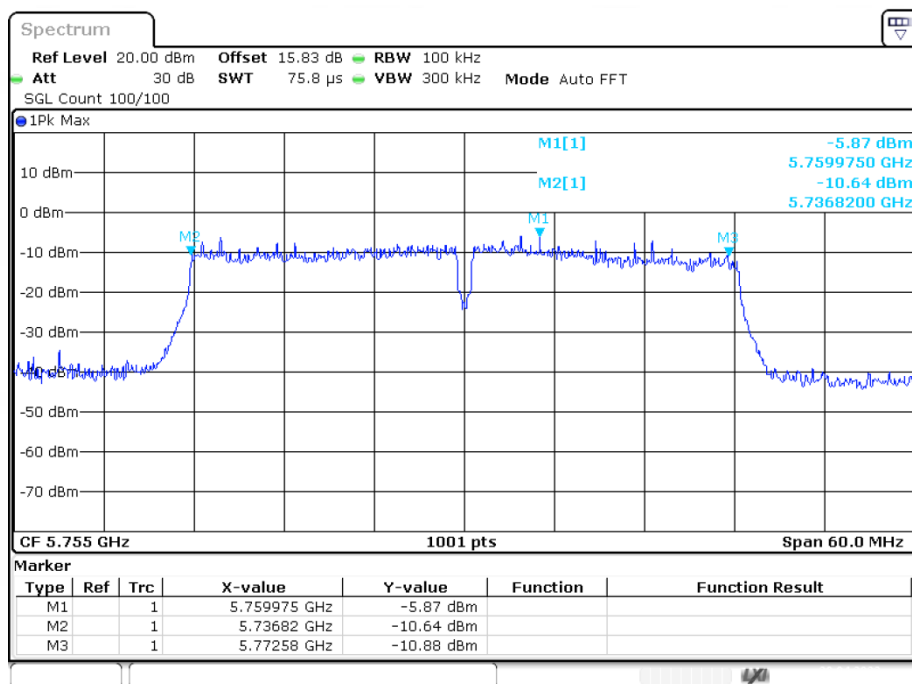
-6dB Bandwidth NVNT ac20 5785MHz Ant1



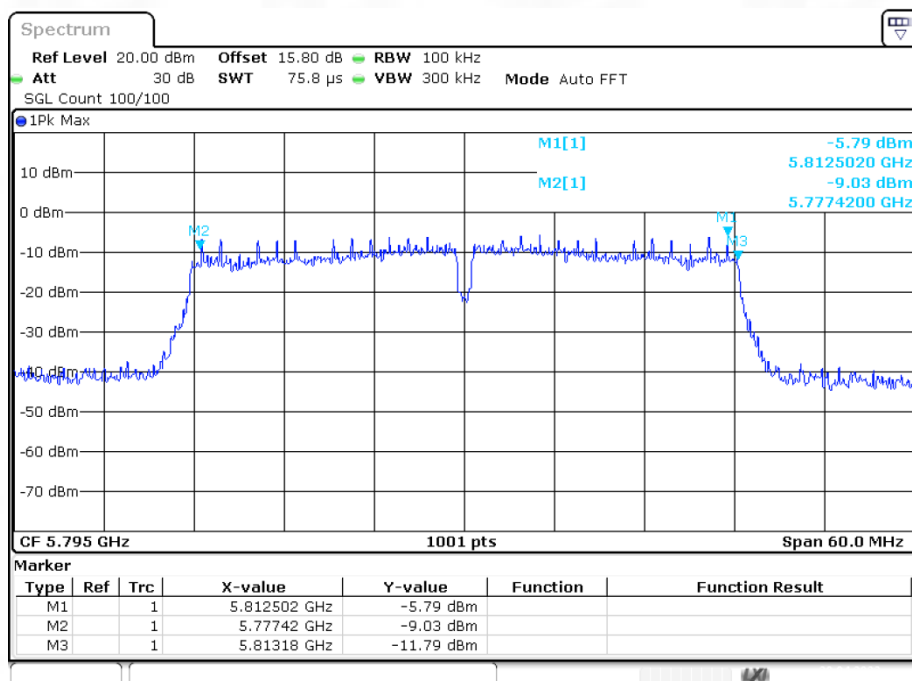
-6dB Bandwidth NVNT ac20 5825MHz Ant1



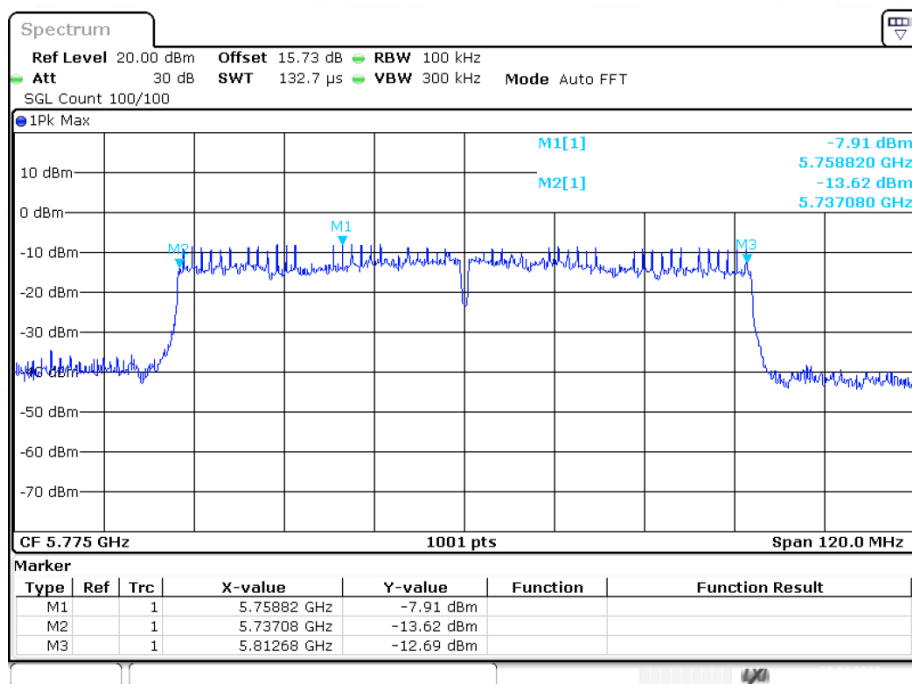
-6dB Bandwidth NVNT ac40 5755MHz Ant1



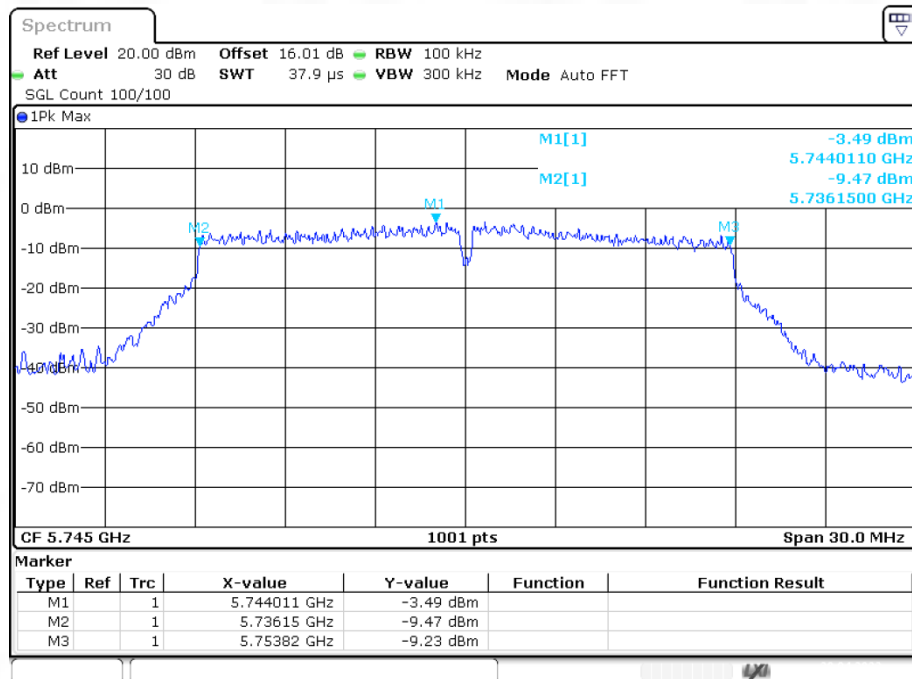
-6dB Bandwidth NVNT ac40 5795MHz Ant1



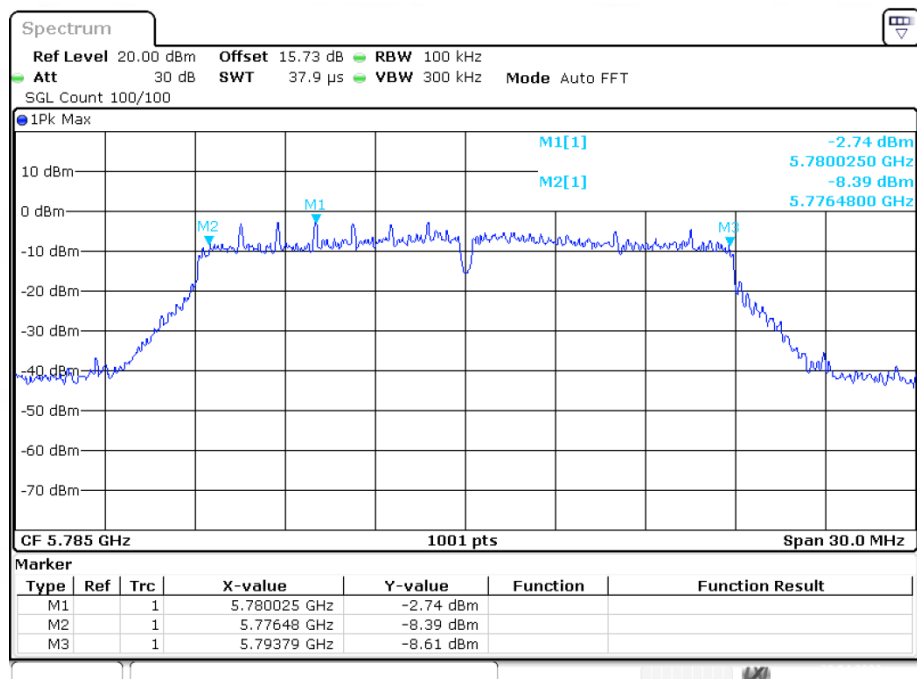
-6dB Bandwidth NVNT ac80 5775MHz Ant1



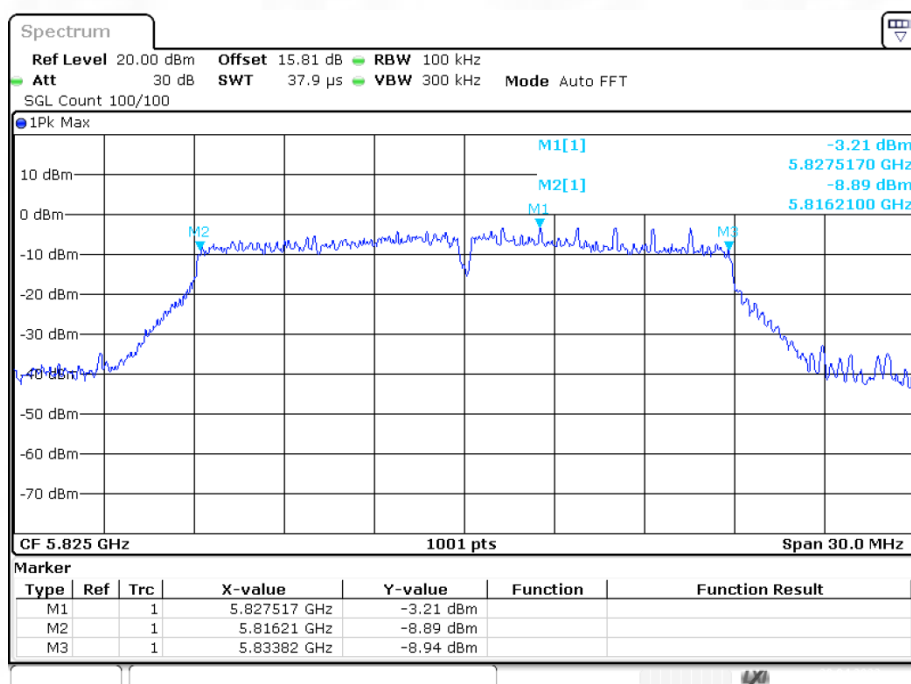
-6dB Bandwidth NVNT n20 5745MHz Ant1



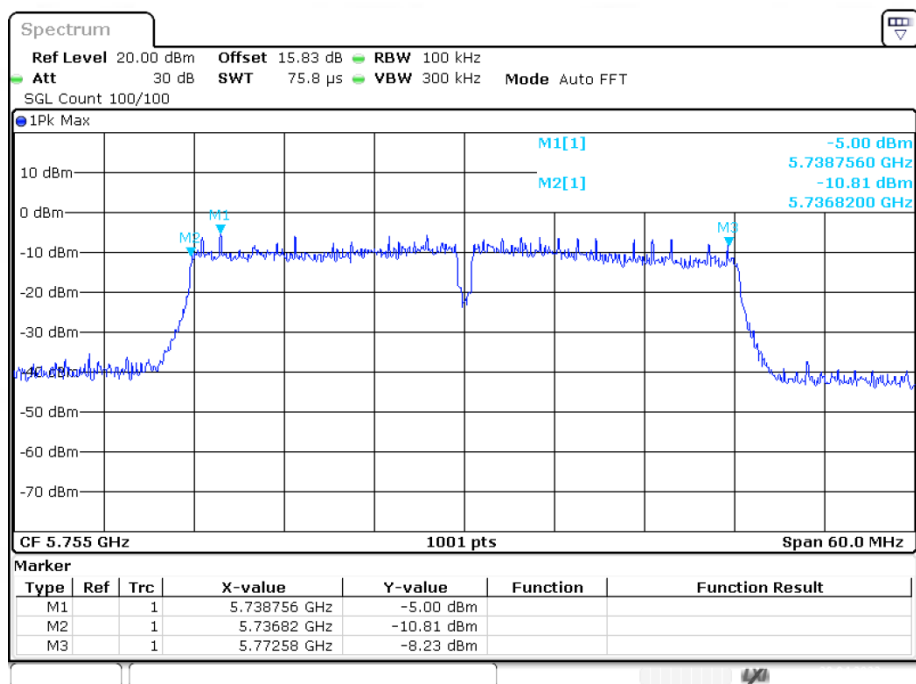
-6dB Bandwidth NVNT n20 5785MHz Ant1



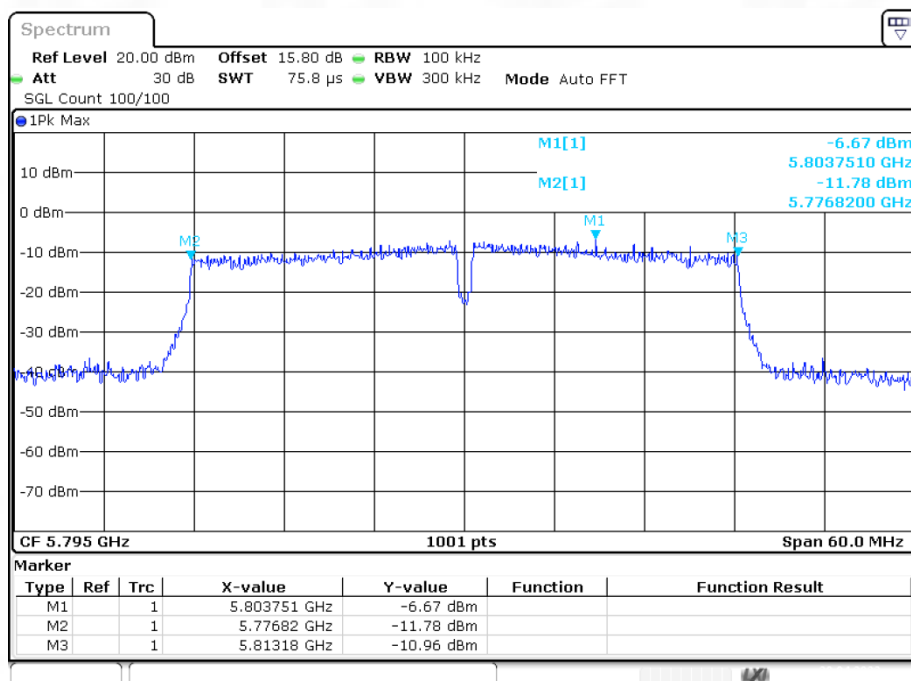
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



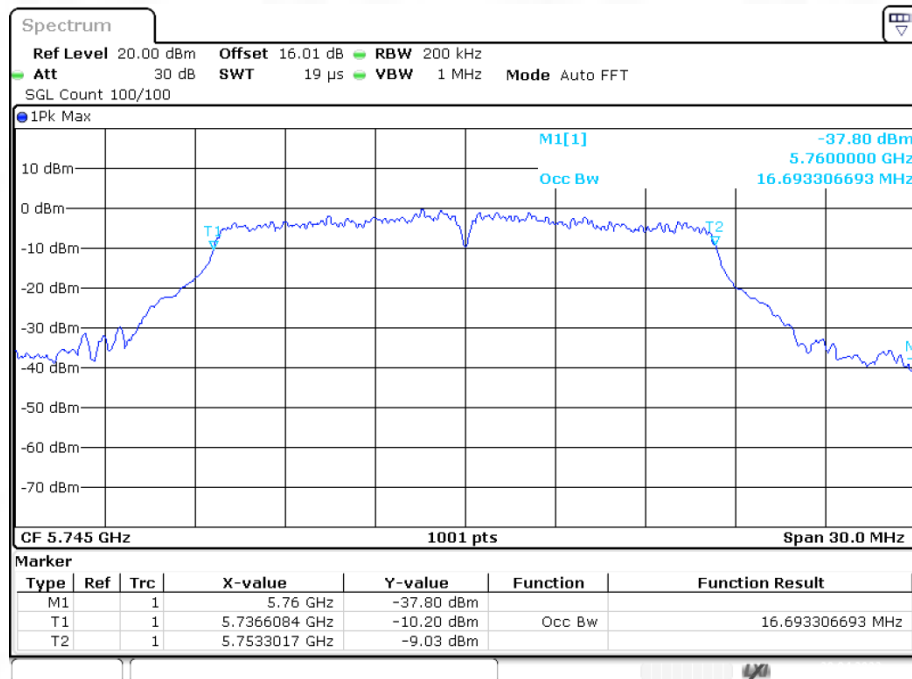
-6dB Bandwidth NVNT n40 5795MHz Ant1



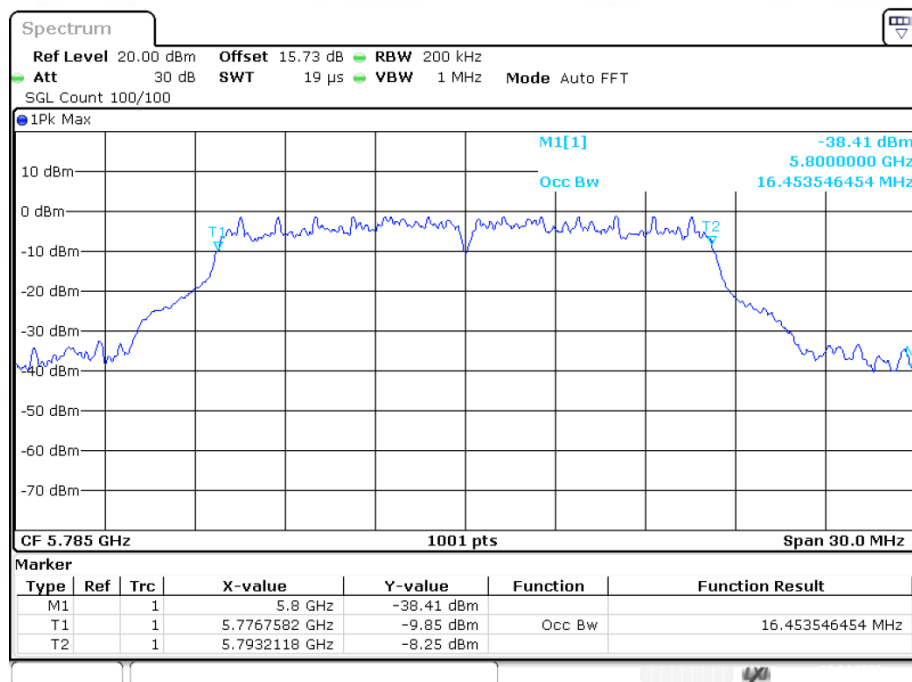
Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT | a | 5745 | Ant1 | 16.693 |
| NVNT | a | 5785 | Ant1 | 16.454 |
| NVNT | a | 5825 | Ant1 | 16.573 |
| NVNT | ac20 | 5745 | Ant1 | 17.682 |
| NVNT | ac20 | 5785 | Ant1 | 17.772 |
| NVNT | ac20 | 5825 | Ant1 | 17.712 |
| NVNT | ac40 | 5755 | Ant1 | 36.324 |
| NVNT | ac40 | 5795 | Ant1 | 36.264 |
| NVNT | ac80 | 5775 | Ant1 | 75.884 |
| NVNT | n20 | 5745 | Ant1 | 17.832 |
| NVNT | n20 | 5785 | Ant1 | 17.742 |
| NVNT | n20 | 5825 | Ant1 | 17.682 |
| NVNT | n40 | 5755 | Ant1 | 36.084 |
| NVNT | n40 | 5795 | Ant1 | 36.324 |

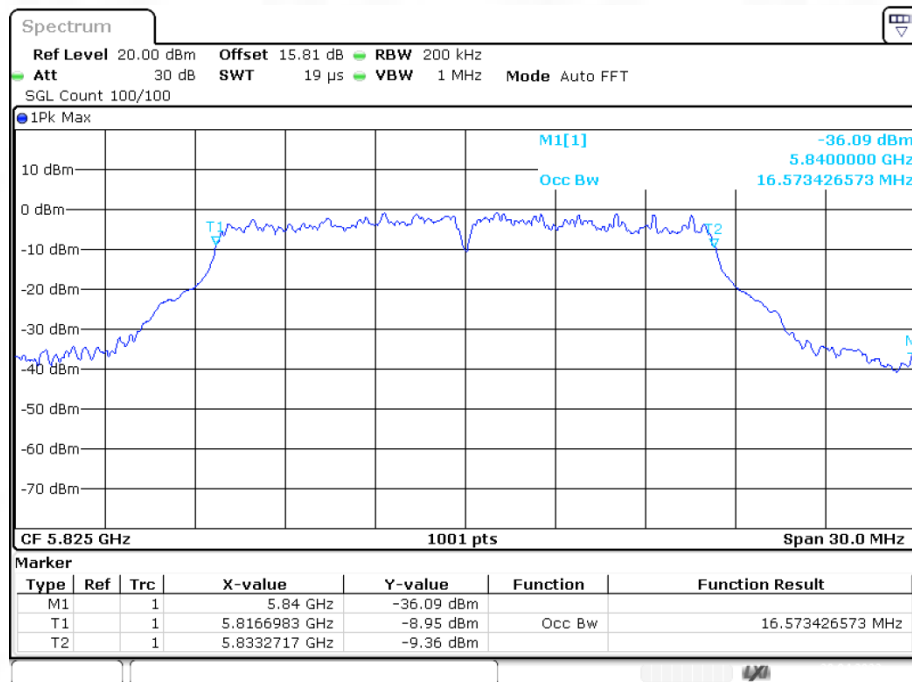
OBW NVNT a 5745MHz Ant1



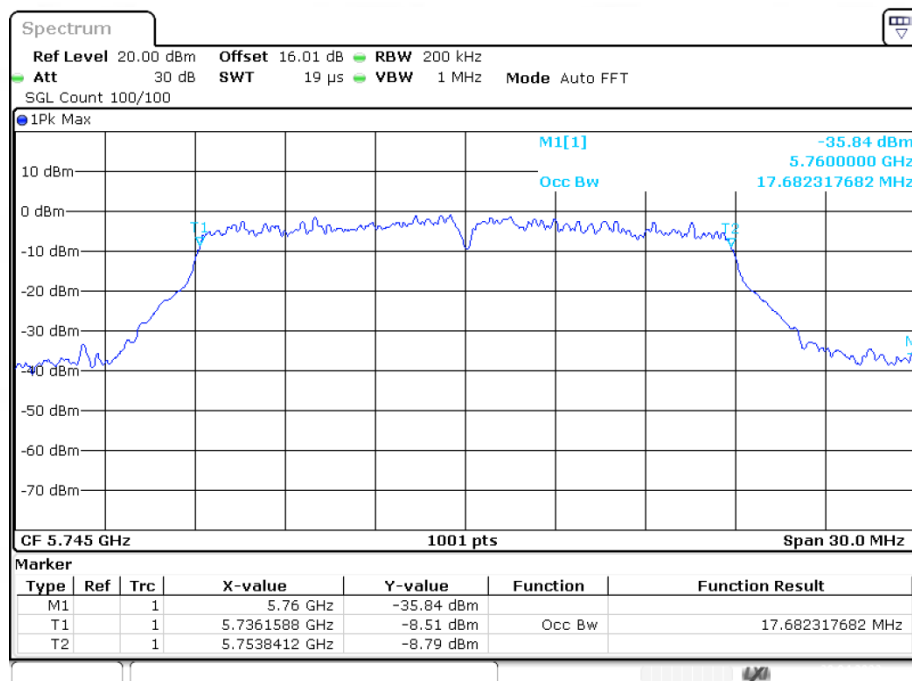
OBW NVNT a 5785MHz Ant1



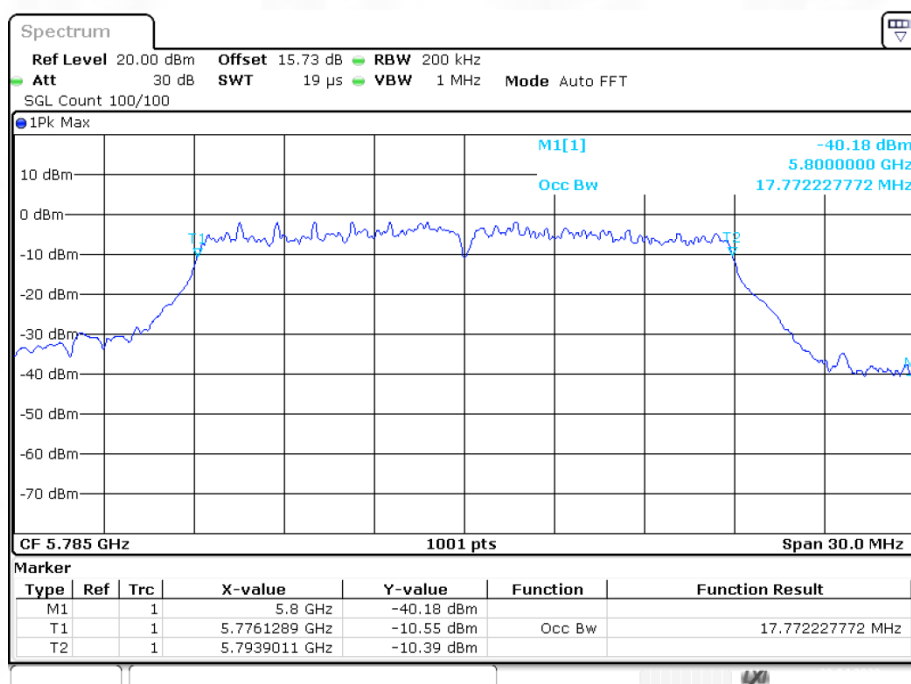
OBW NVNT a 5825MHz Ant1



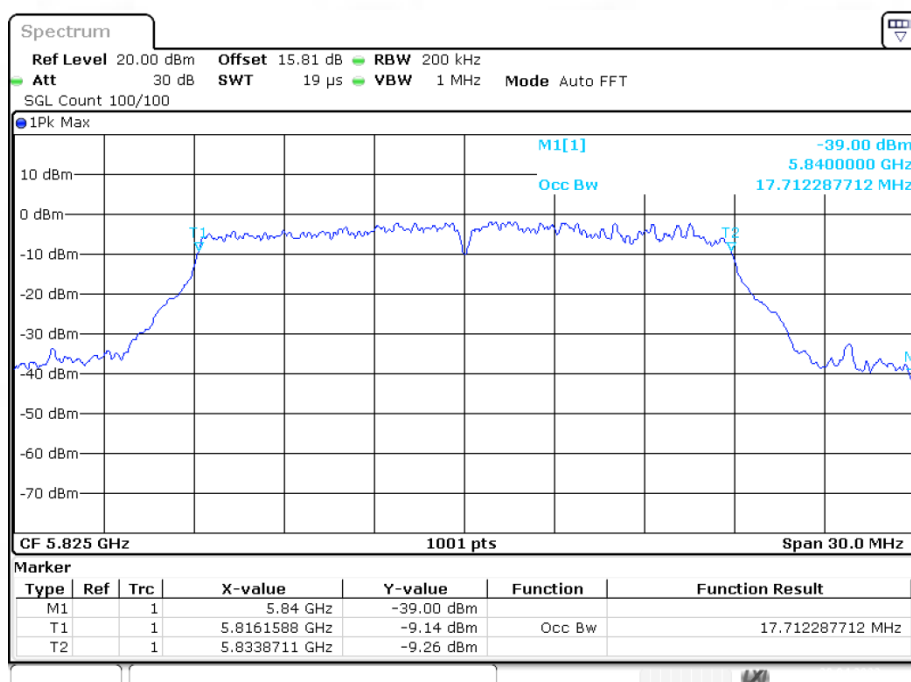
OBW NVNT ac20 5745MHz Ant1



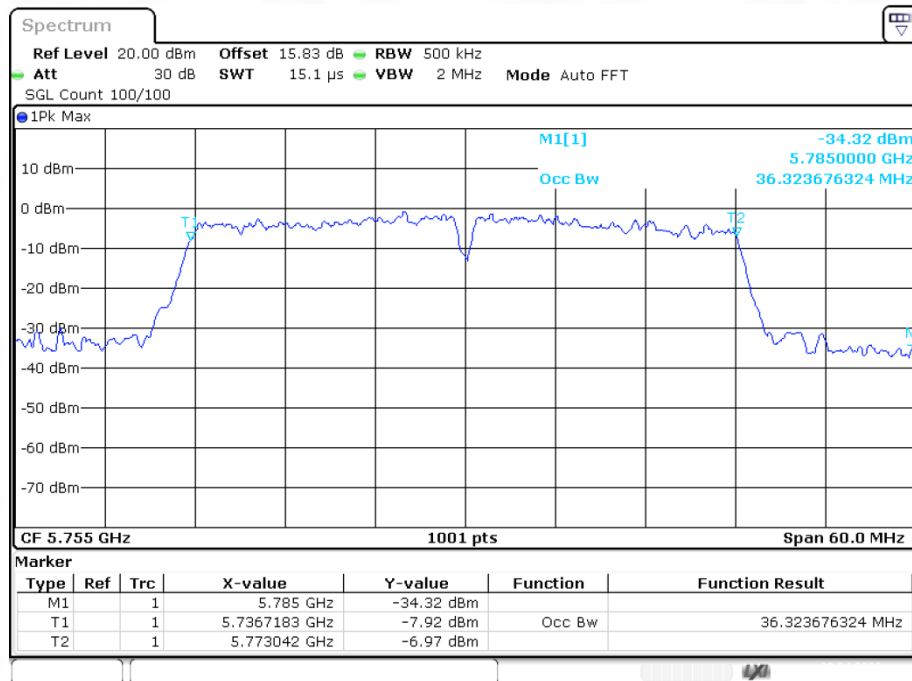
OBW NVNT ac20 5785MHz Ant1



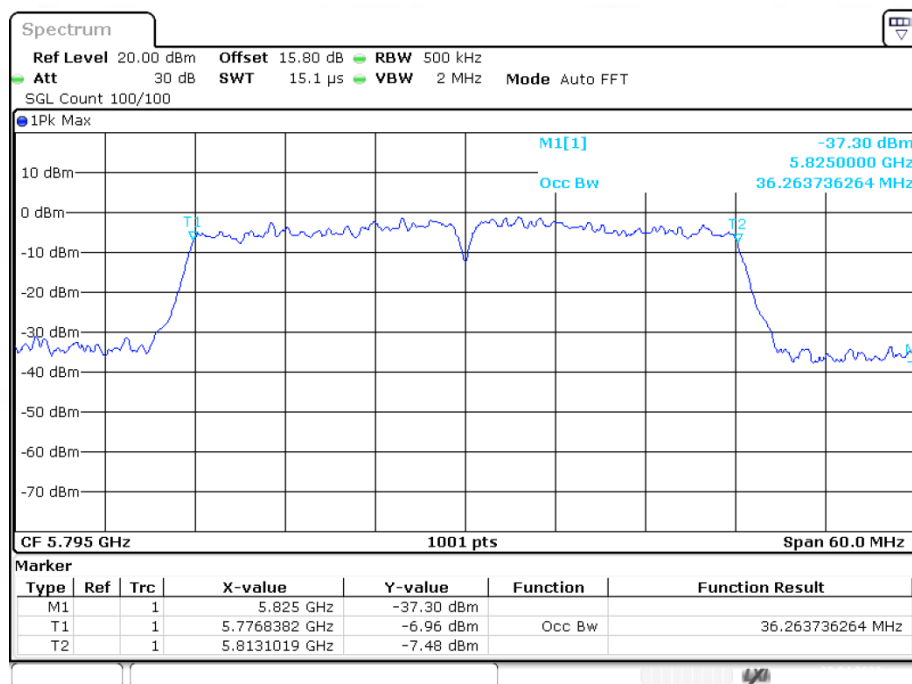
OBW NVNT ac20 5825MHz Ant1



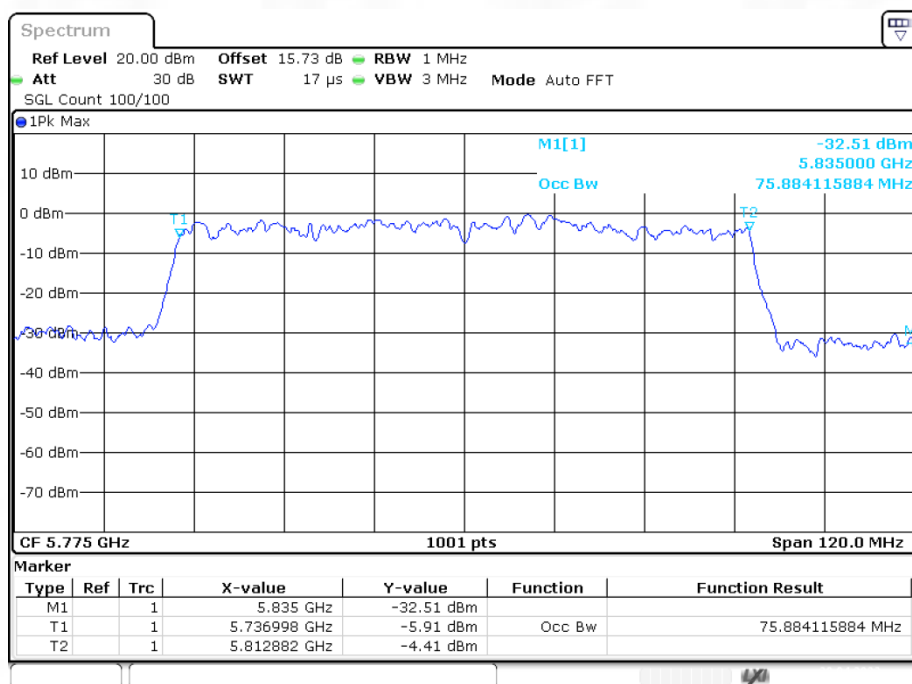
OBW NVNT ac40 5755MHz Ant1



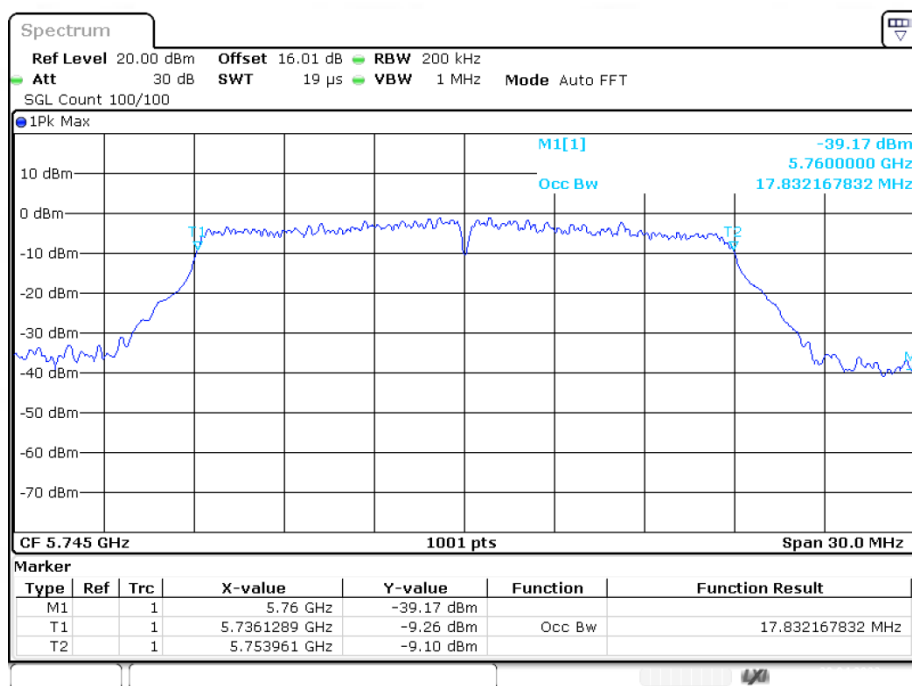
OBW NVNT ac40 5795MHz Ant1



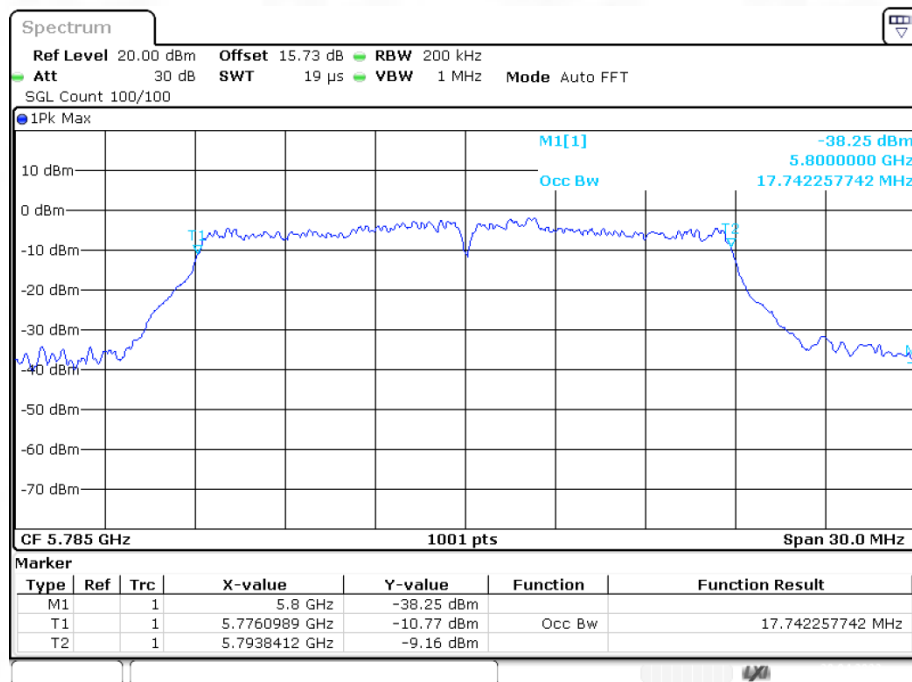
OBW NVNT ac80 5775MHz Ant1



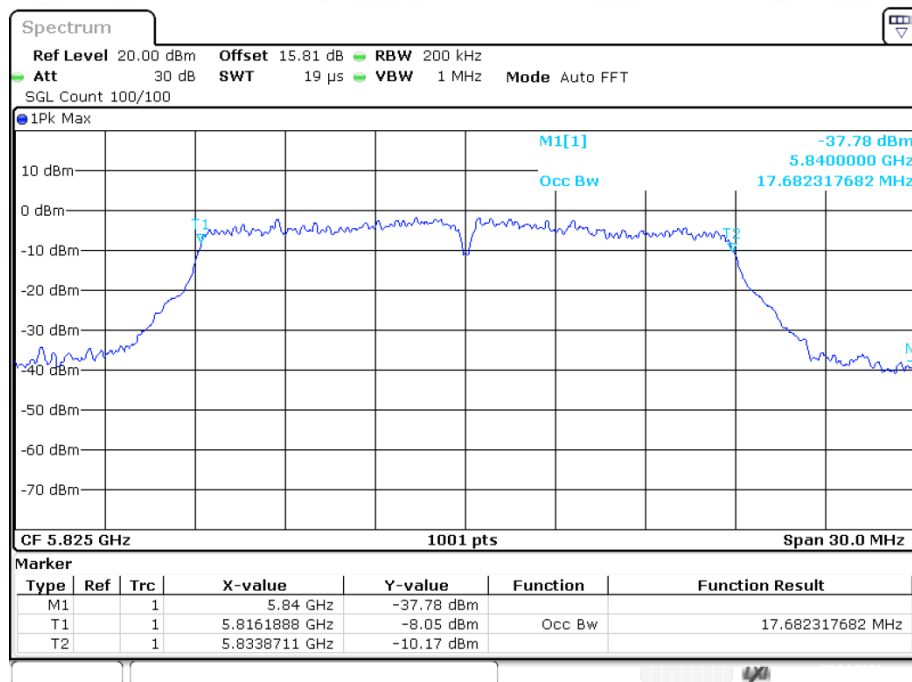
OBW NVNT n20 5745MHz Ant1



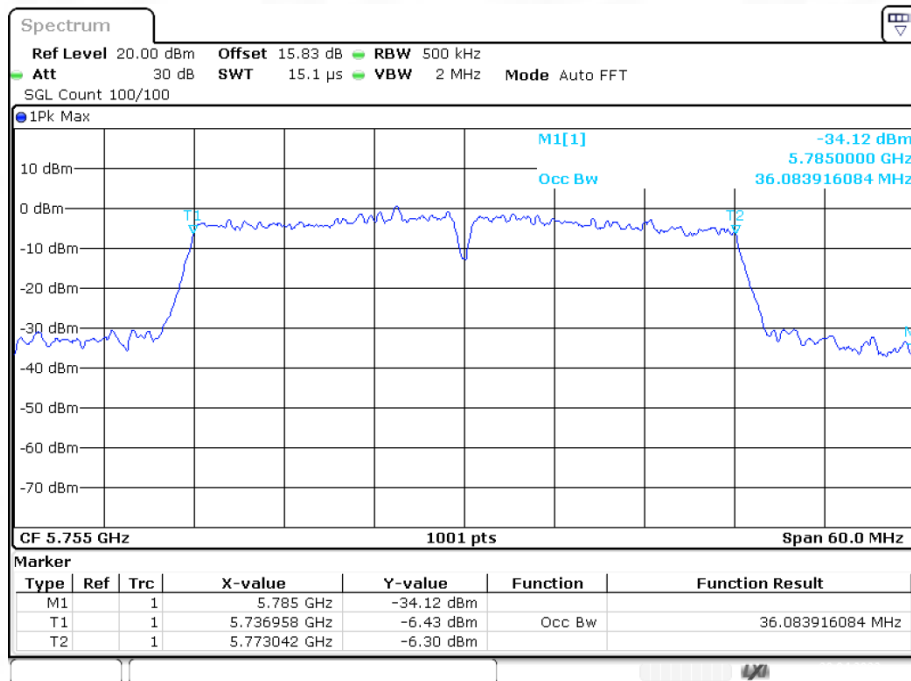
OBW NVNT n20 5785MHz Ant1



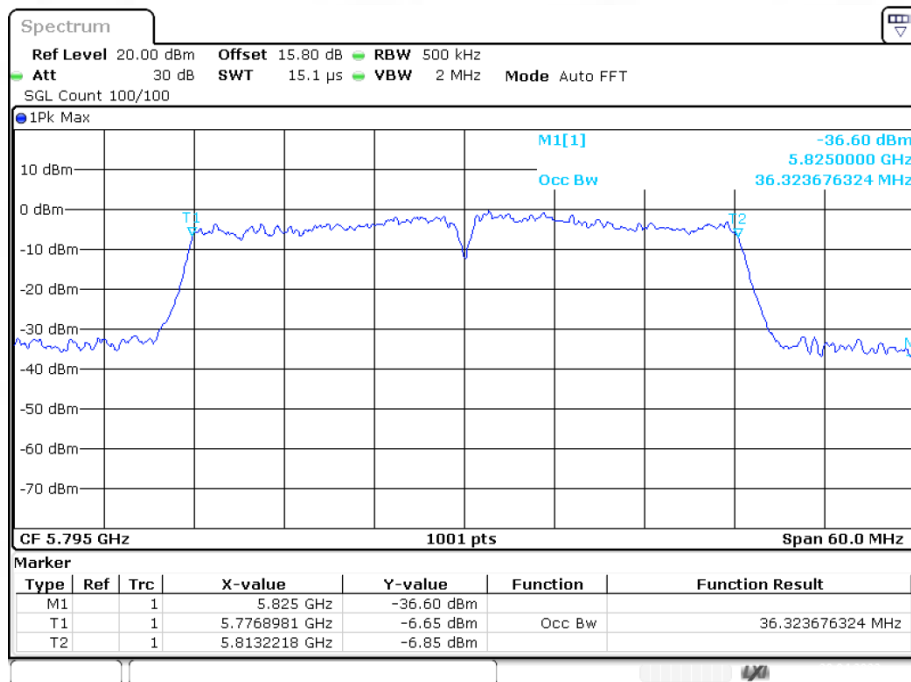
OBW NVNT n20 5825MHz Ant1



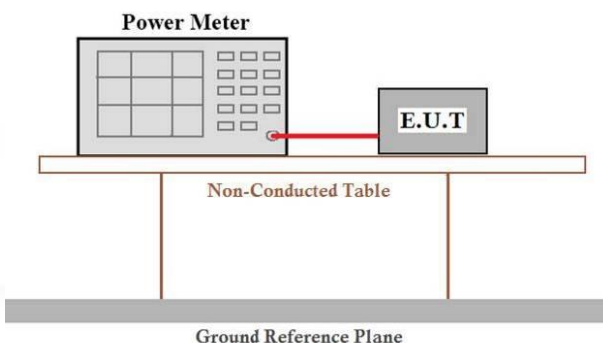
OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1



4.4 Peak Transmit Power

| | |
|-------------------|---|
| Test Requirement: | FCC Part15 E Section 15.407 |
| Test Method: | KDB 789033 D02 General UNII Test Procedures New Rules v02r01 |
| Limit: | <p>For the band 5.15-5.25GHz, 5.25-5.35GHz, 5.47-5.725GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 250mW.</p> <p>For the band 5.725-5.85GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 1W.</p> |
| Test setup: |  |
| Test procedure: | <p>Measurement using an RF average power meter</p> <ul style="list-style-type: none"> (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied <ul style="list-style-type: none"> a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding $10 \log(1/x)$ where x is the duty cycle (e.g., $10 \log(1/0.25)$ if the duty cycle is 25 percent). |



Test Report Number: BTF230612R00304

| | |
|-------------------|-----------------------------------|
| Test Instruments: | Refer to section 5.10 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Pass |

Measurement Data

Band 1 (5150-5250 MHz)

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | a | 5180 | Ant1 | 16.78 | 24 | Pass |
| NVNT | a | 5200 | Ant1 | 16.33 | 24 | Pass |
| NVNT | a | 5240 | Ant1 | 16.20 | 24 | Pass |
| NVNT | ac20 | 5180 | Ant1 | 16.53 | 24 | Pass |
| NVNT | ac20 | 5200 | Ant1 | 16.18 | 24 | Pass |
| NVNT | ac20 | 5240 | Ant1 | 16.49 | 24 | Pass |
| NVNT | ac40 | 5190 | Ant1 | 15.53 | 24 | Pass |
| NVNT | ac40 | 5230 | Ant1 | 15.83 | 24 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 16.77 | 24 | Pass |
| NVNT | n20 | 5180 | Ant1 | 16.41 | 24 | Pass |
| NVNT | n20 | 5200 | Ant1 | 16.65 | 24 | Pass |
| NVNT | n20 | 5240 | Ant1 | 15.89 | 24 | Pass |
| NVNT | n40 | 5190 | Ant1 | 15.82 | 24 | Pass |
| NVNT | n40 | 5230 | Ant1 | 15.76 | 24 | Pass |

Band 2 (5250 -5350 MHz)

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | a | 5260 | Ant1 | 16.65 | 24 | Pass |
| NVNT | a | 5280 | Ant1 | 16.35 | 24 | Pass |
| NVNT | a | 5320 | Ant1 | 16.42 | 24 | Pass |
| NVNT | ac20 | 5260 | Ant1 | 16.52 | 24 | Pass |
| NVNT | ac20 | 5280 | Ant1 | 16.22 | 24 | Pass |
| NVNT | ac20 | 5320 | Ant1 | 16.60 | 24 | Pass |
| NVNT | ac40 | 5270 | Ant1 | 15.73 | 24 | Pass |
| NVNT | ac40 | 5310 | Ant1 | 15.67 | 24 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 16.86 | 24 | Pass |
| NVNT | n20 | 5260 | Ant1 | 16.44 | 24 | Pass |
| NVNT | n20 | 5280 | Ant1 | 16.55 | 24 | Pass |
| NVNT | n20 | 5320 | Ant1 | 16.11 | 24 | Pass |
| NVNT | n40 | 5270 | Ant1 | 15.91 | 24 | Pass |
| NVNT | n40 | 5310 | Ant1 | 15.90 | 24 | Pass |

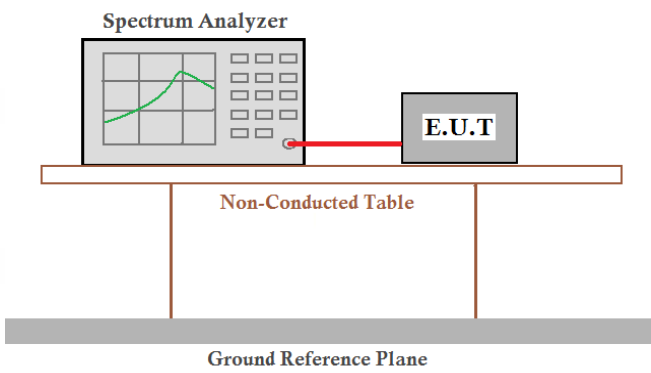
Band 3 (5740 -5725 MHz)

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | a | 5500 | Ant1 | 16.55 | 24 | Pass |
| NVNT | a | 5580 | Ant1 | 16.18 | 24 | Pass |
| NVNT | a | 5700 | Ant1 | 16.33 | 24 | Pass |
| NVNT | ac20 | 5500 | Ant1 | 16.45 | 24 | Pass |
| NVNT | ac20 | 5580 | Ant1 | 16.35 | 24 | Pass |
| NVNT | ac20 | 5700 | Ant1 | 16.52 | 24 | Pass |
| NVNT | ac40 | 5510 | Ant1 | 15.56 | 24 | Pass |
| NVNT | ac40 | 5670 | Ant1 | 15.67 | 24 | Pass |
| NVNT | ac80 | 5530 | Ant1 | 16.79 | 24 | Pass |
| NVNT | n20 | 5500 | Ant1 | 16.50 | 24 | Pass |
| NVNT | n20 | 5580 | Ant1 | 16.63 | 24 | Pass |
| NVNT | n20 | 5700 | Ant1 | 15.94 | 24 | Pass |
| NVNT | n40 | 5510 | Ant1 | 15.88 | 24 | Pass |
| NVNT | n40 | 5670 | Ant1 | 15.82 | 24 | Pass |

Band 4 (5725 – 5850 MHz)

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT | a | 5745 | Ant1 | 16.73 | 30 | Pass |
| NVNT | a | 5785 | Ant1 | 16.17 | 30 | Pass |
| NVNT | a | 5825 | Ant1 | 16.28 | 30 | Pass |
| NVNT | ac20 | 5745 | Ant1 | 16.47 | 30 | Pass |
| NVNT | ac20 | 5785 | Ant1 | 16.31 | 30 | Pass |
| NVNT | ac20 | 5825 | Ant1 | 16.43 | 30 | Pass |
| NVNT | ac40 | 5755 | Ant1 | 15.68 | 30 | Pass |
| NVNT | ac40 | 5795 | Ant1 | 15.73 | 30 | Pass |
| NVNT | ac80 | 5775 | Ant1 | 16.80 | 30 | Pass |
| NVNT | n20 | 5745 | Ant1 | 16.63 | 30 | Pass |
| NVNT | n20 | 5785 | Ant1 | 16.64 | 30 | Pass |
| NVNT | n20 | 5825 | Ant1 | 16.06 | 30 | Pass |
| NVNT | n40 | 5755 | Ant1 | 15.98 | 30 | Pass |
| NVNT | n40 | 5795 | Ant1 | 15.75 | 30 | Pass |

4.5 Power Spectral Density

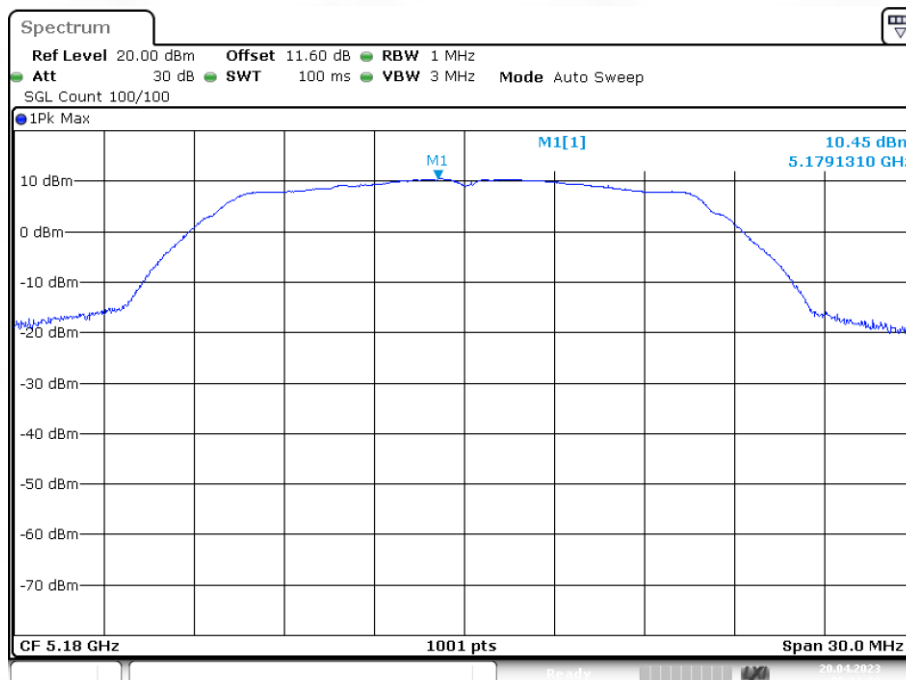
| | |
|-------------------|--|
| Test Requirement: | FCC Part15 E Section 15.407 |
| Test Method: | KDB 789033 D02 General UNII Test Procedures New Rules v02r01 |
| Limit: | $\leq 11.00\text{dBm/MHz}$ for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz $\leq 30.00\text{dBm/500KHz}$ for 5725MHz-5850MHz |
| Test setup: |  |
| Test procedure: | <ol style="list-style-type: none"> 1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...". 2) Use the peak search function on the instrument to find the peak of the spectrum. 3) Make the following adjustments to the peak value of the spectrum, if applicable: <ol style="list-style-type: none"> a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum. b) If Method SA-3 Alternative was used and the linear mode was used in step E2)g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging. 4) The result is the PSD. |
| Test Instruments: | Refer to section 5.10 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Pass |

Measurement Data

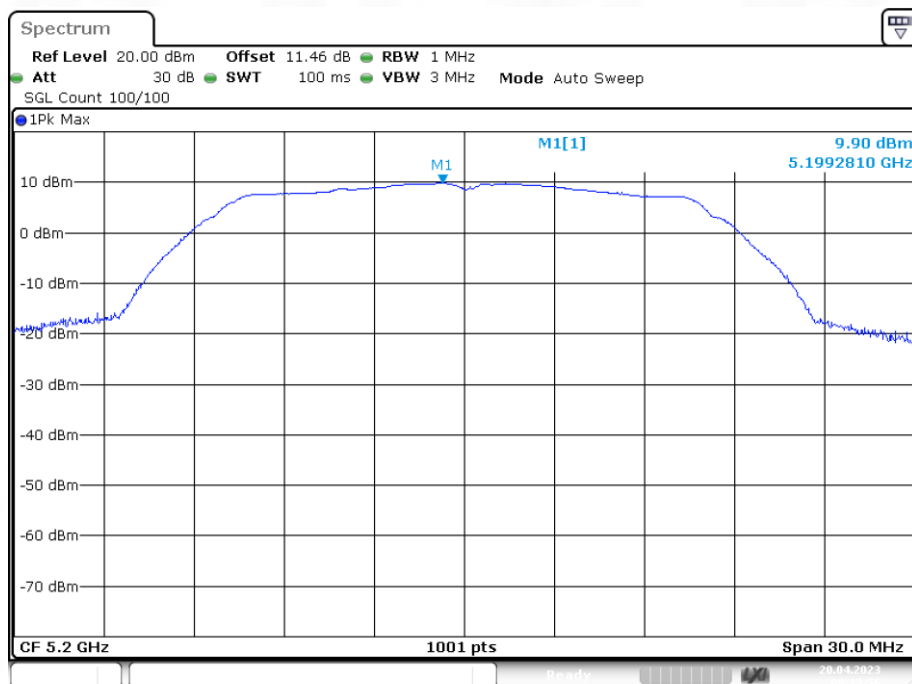
Band 1 (5150 - 5250 MHz)

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT | a | 5180 | Ant1 | 10.45 | 11 | Pass |
| NVNT | a | 5200 | Ant1 | 9.904 | 11 | Pass |
| NVNT | a | 5240 | Ant1 | 9.153 | 11 | Pass |
| NVNT | ac20 | 5180 | Ant1 | 10.928 | 11 | Pass |
| NVNT | ac20 | 5200 | Ant1 | 10.56 | 11 | Pass |
| NVNT | ac20 | 5240 | Ant1 | 9.69 | 11 | Pass |
| NVNT | ac40 | 5190 | Ant1 | 7.047 | 11 | Pass |
| NVNT | ac40 | 5230 | Ant1 | 6.234 | 11 | Pass |
| NVNT | ac80 | 5210 | Ant1 | 4.331 | 11 | Pass |
| NVNT | n20 | 5180 | Ant1 | 10.31 | 11 | Pass |
| NVNT | n20 | 5200 | Ant1 | 10.78 | 11 | Pass |
| NVNT | n20 | 5240 | Ant1 | 10.222 | 11 | Pass |
| NVNT | n40 | 5190 | Ant1 | 7.945 | 11 | Pass |
| NVNT | n40 | 5230 | Ant1 | 6.521 | 11 | Pass |

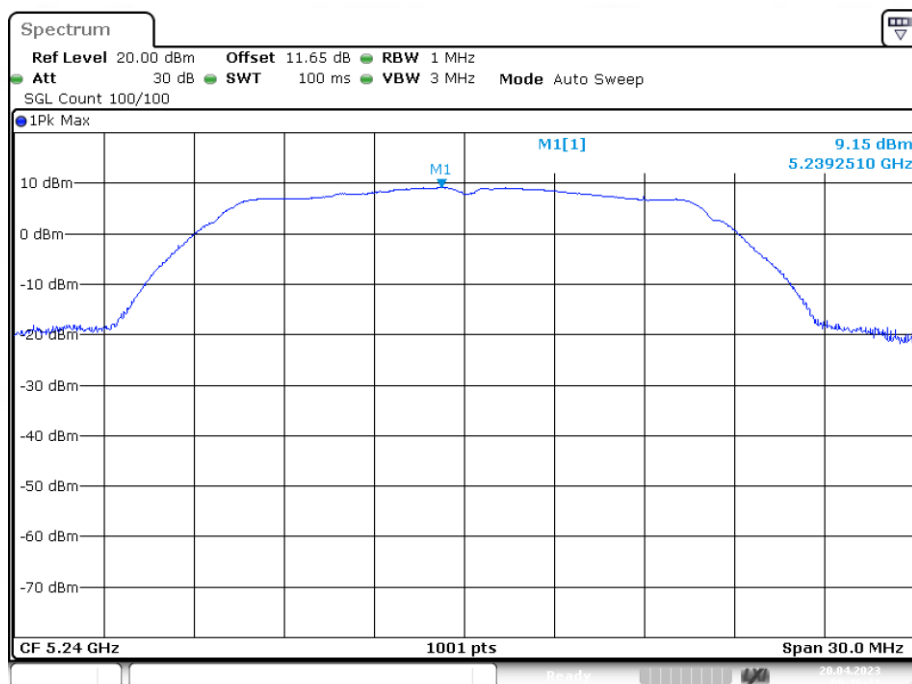
PSD NVNT a 5180MHz Ant1



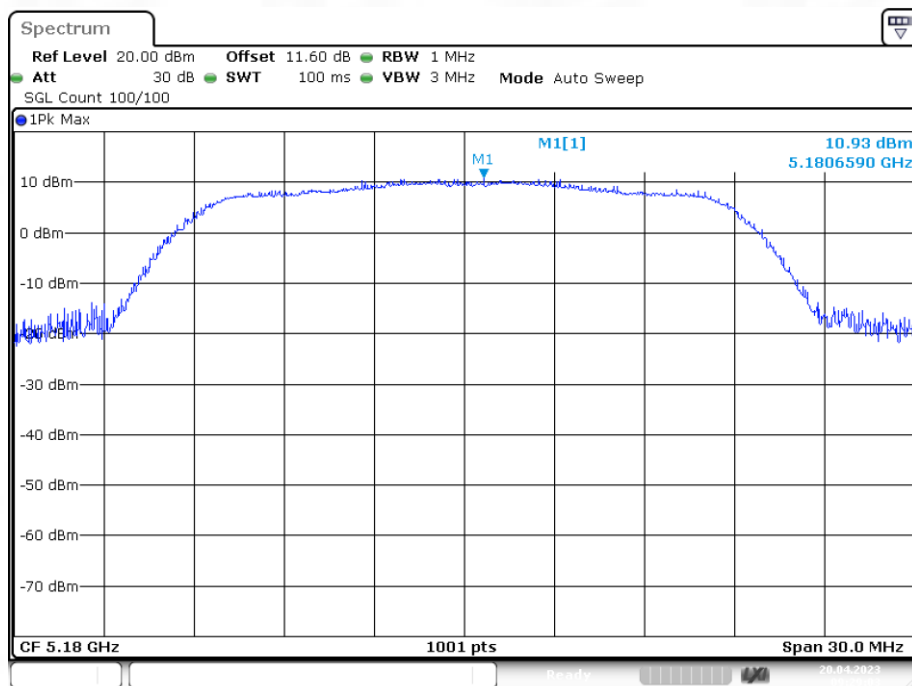
PSD NVNT a 5200MHz Ant1



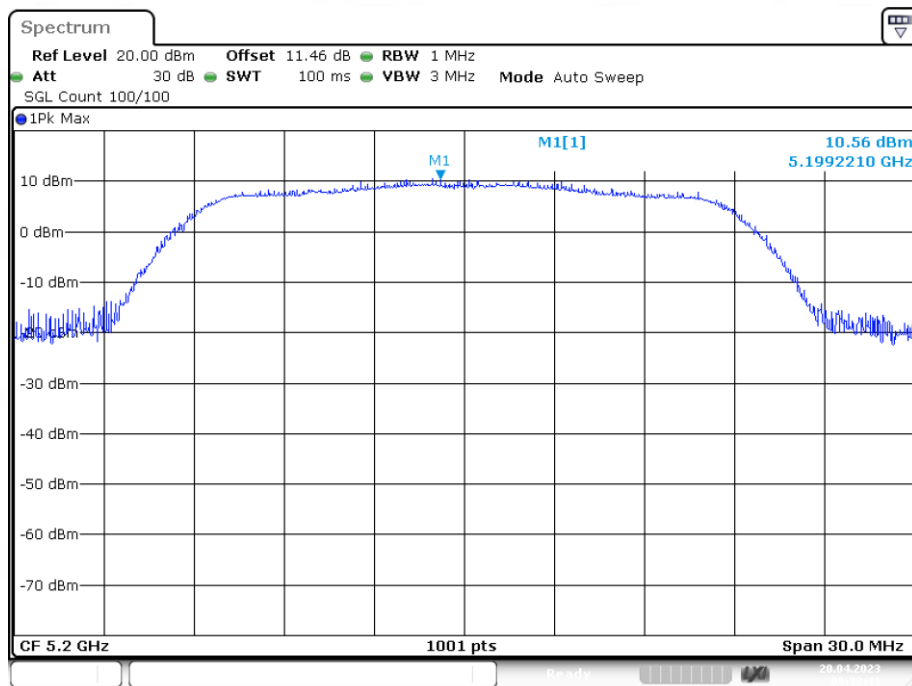
PSD NVNT a 5240MHz Ant1



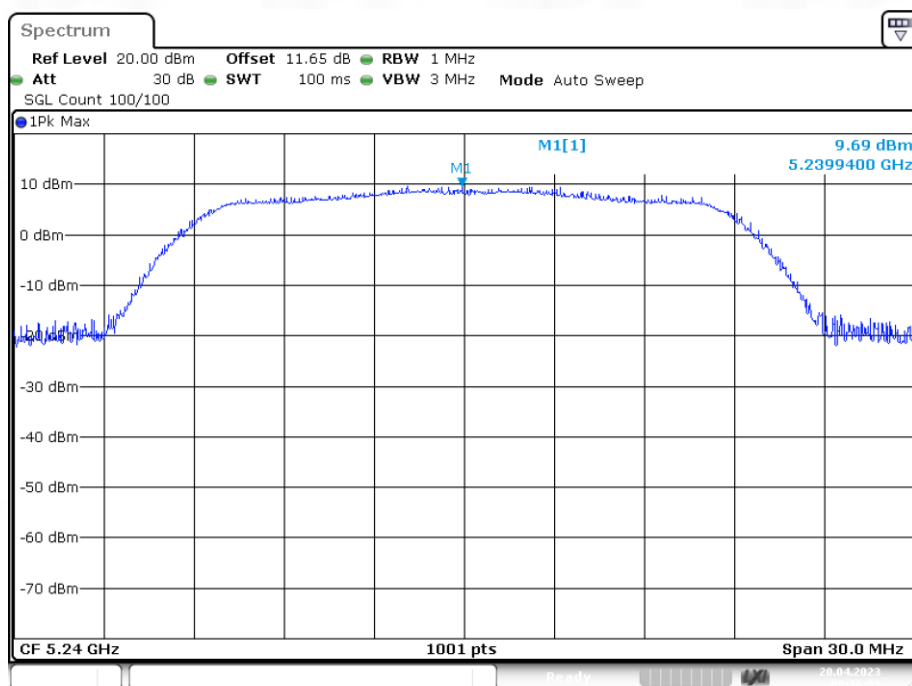
PSD NVNT ac20 5180MHz Ant1



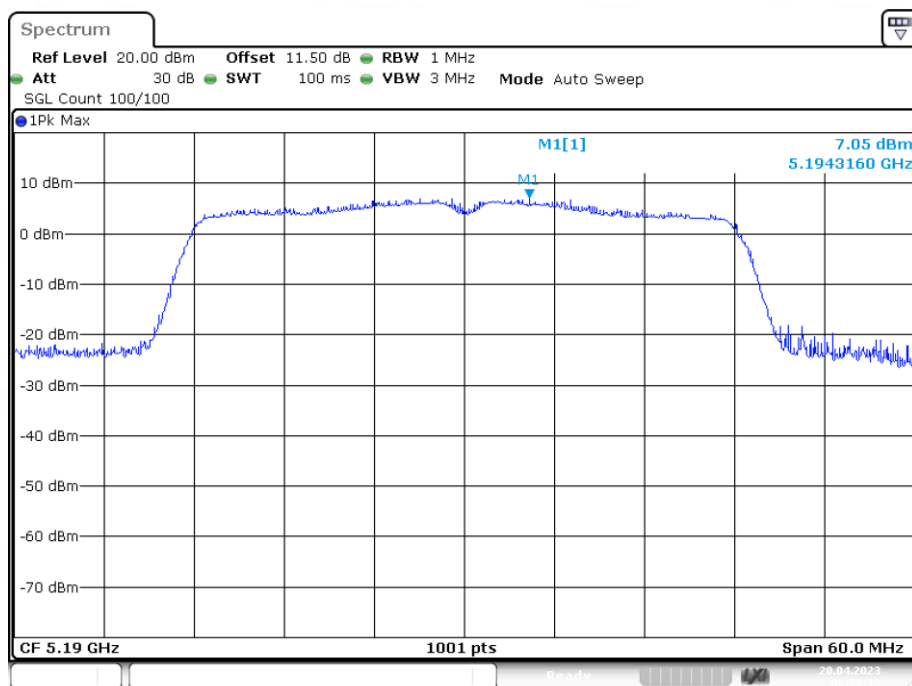
PSD NVNT ac20 5200MHz Ant1



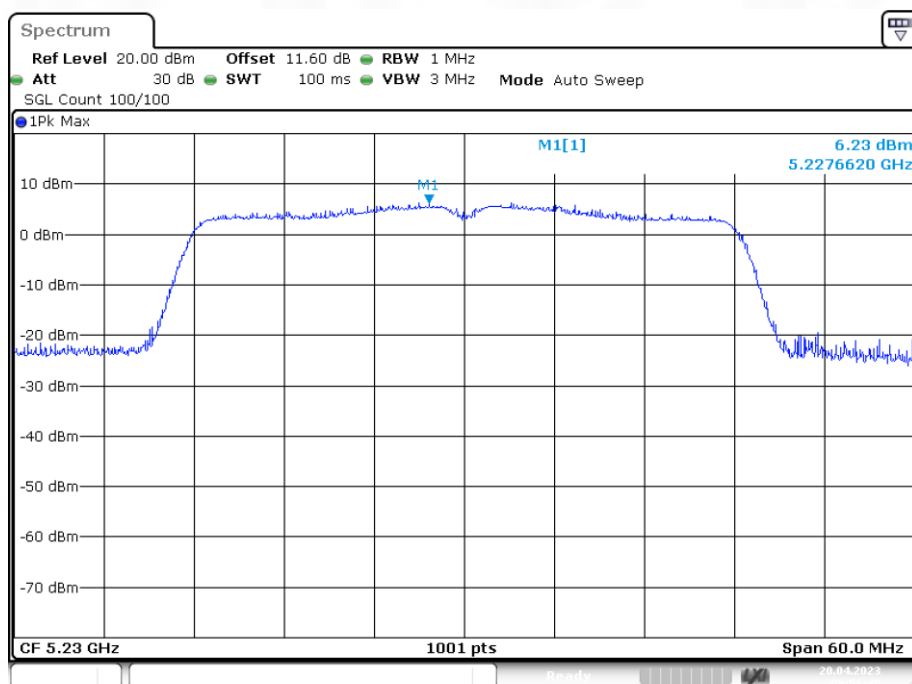
PSD NVNT ac20 5240MHz Ant1



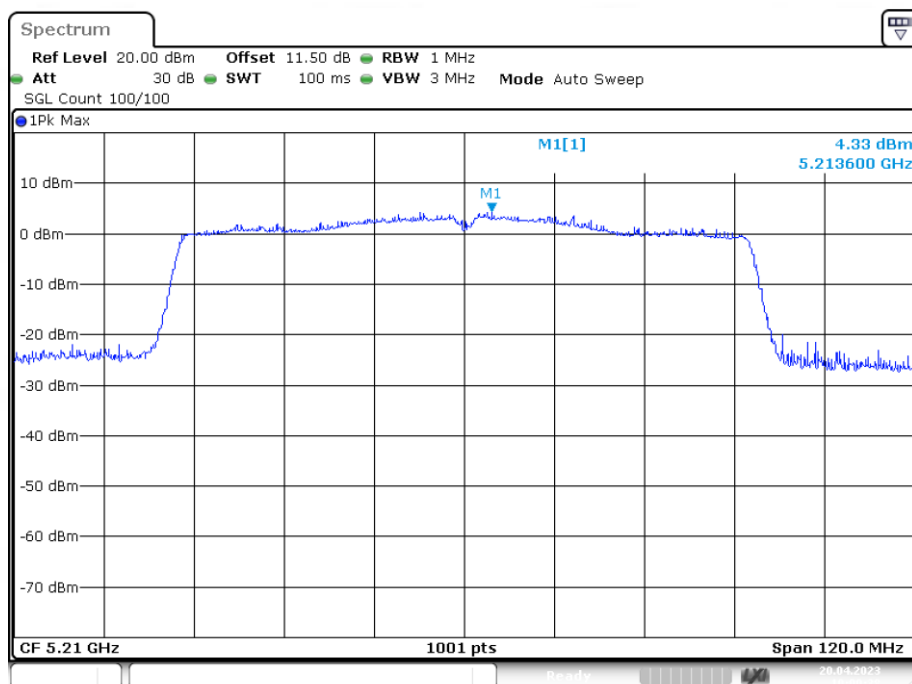
PSD NVNT ac40 5190MHz Ant1



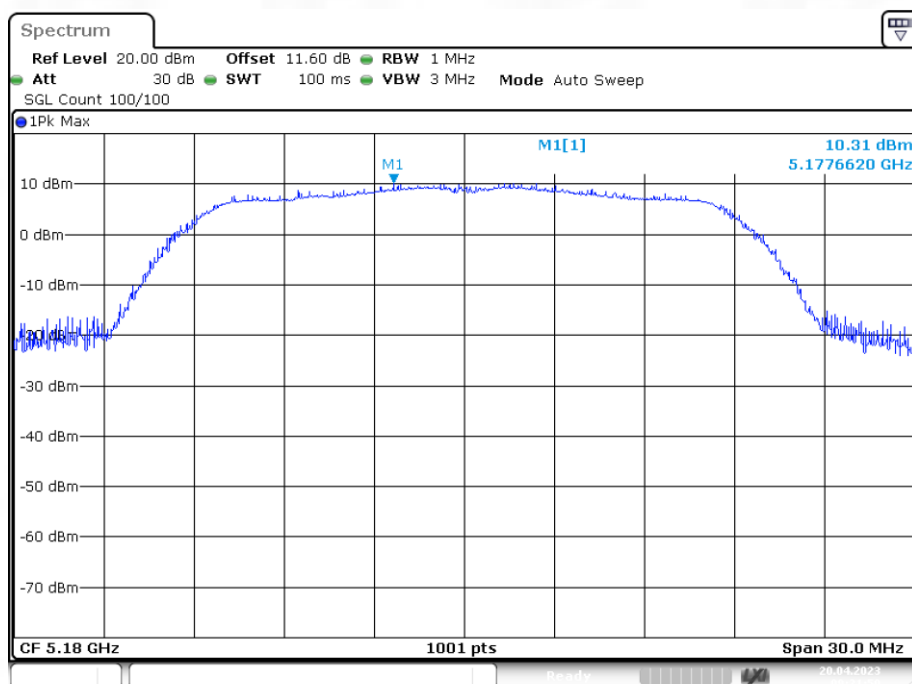
PSD NVNT ac40 5230MHz Ant1



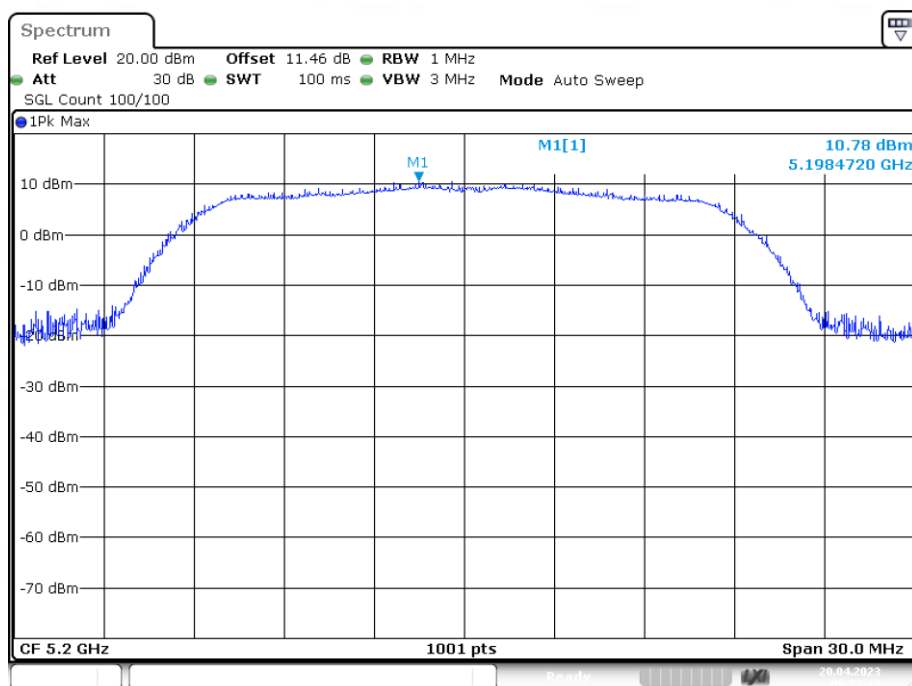
PSD NVNT ac80 5210MHz Ant1



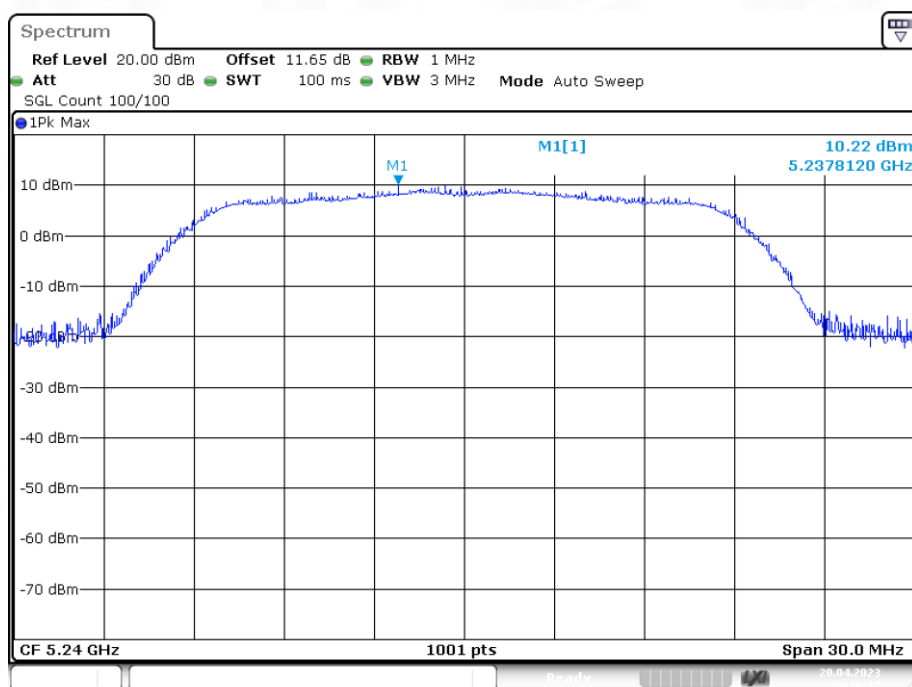
PSD NVNT n20 5180MHz Ant1



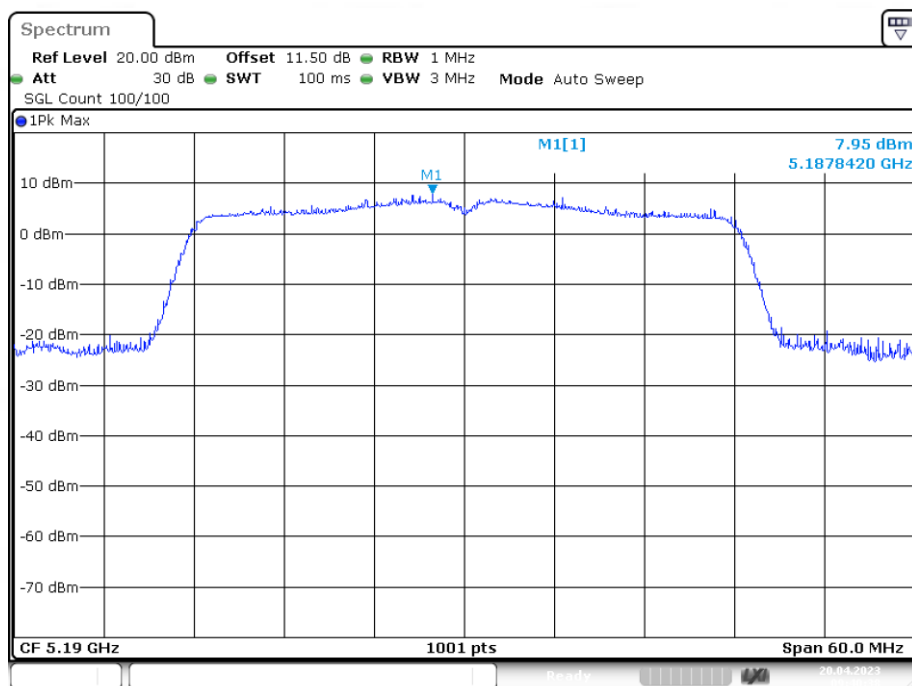
PSD NVNT n20 5200MHz Ant1



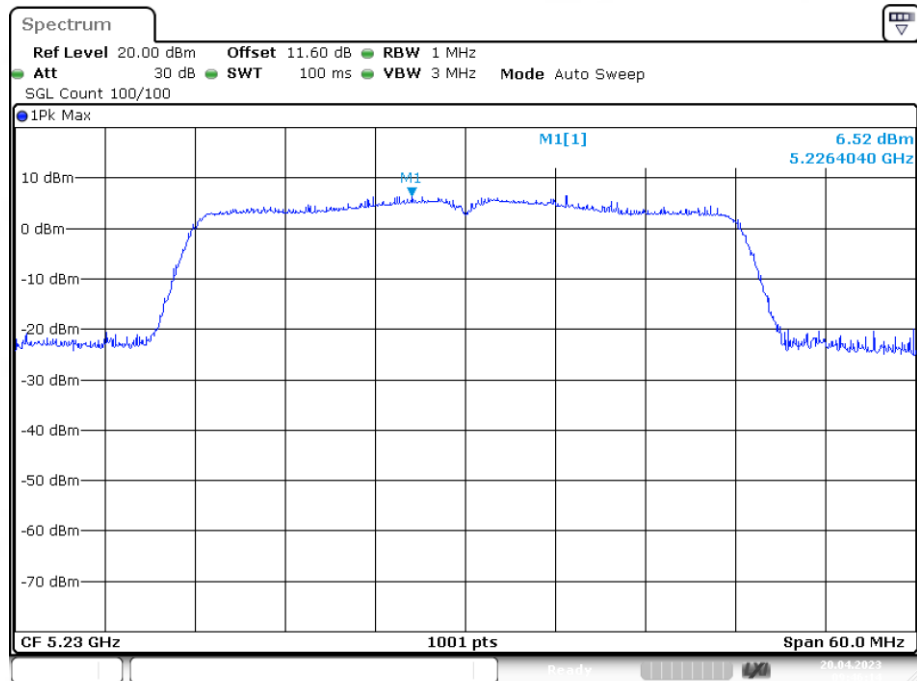
PSD NVNT n20 5240MHz Ant1



PSD NVNT n40 5190MHz Ant1



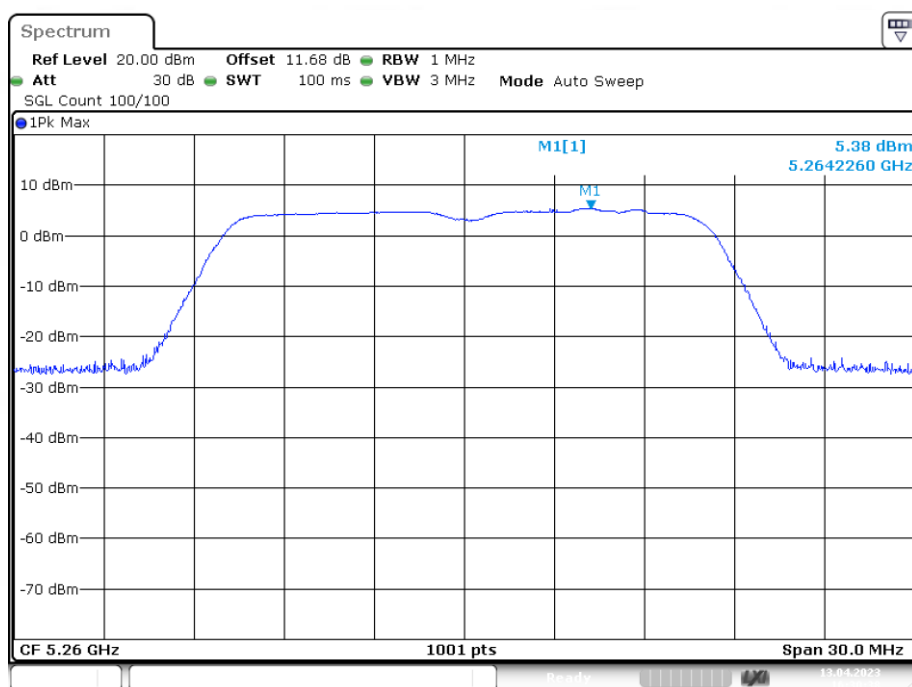
PSD NVNT n40 5230MHz Ant1



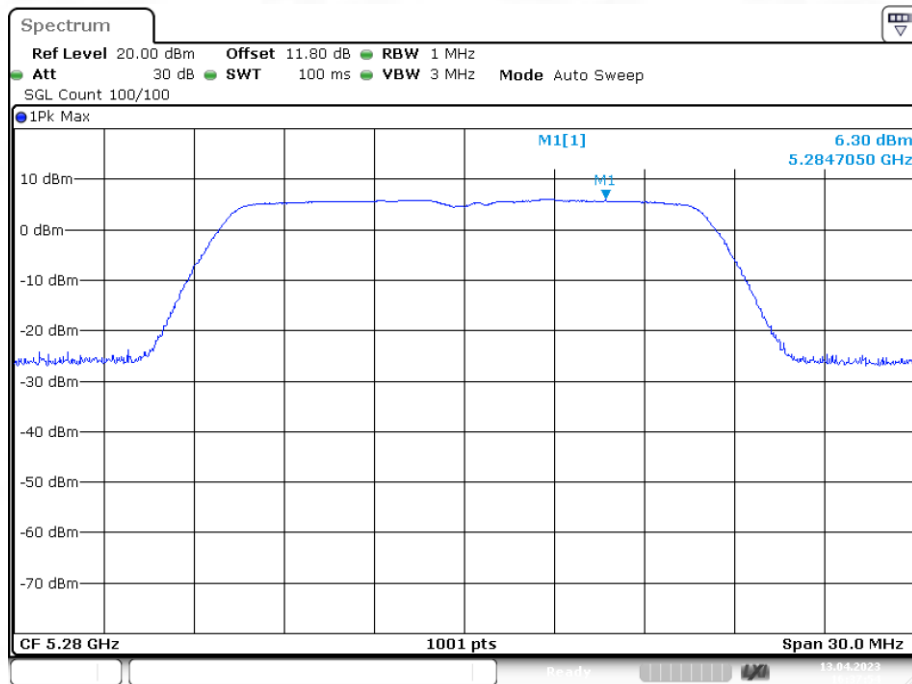
Band 2 (5250 -5350 MHz)

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|---------------|-------------|---------|
| NVNT | a | 5260 | Ant1 | 5.377 | 11 | Pass |
| NVNT | a | 5280 | Ant1 | 6.295 | 11 | Pass |
| NVNT | a | 5320 | Ant1 | 6.59 | 11 | Pass |
| NVNT | ac20 | 5260 | Ant1 | 4.052 | 11 | Pass |
| NVNT | ac20 | 5280 | Ant1 | 5.667 | 11 | Pass |
| NVNT | ac20 | 5320 | Ant1 | 4.868 | 11 | Pass |
| NVNT | ac40 | 5270 | Ant1 | 3.263 | 11 | Pass |
| NVNT | ac40 | 5310 | Ant1 | 3.707 | 11 | Pass |
| NVNT | ac80 | 5290 | Ant1 | 0.956 | 11 | Pass |
| NVNT | n20 | 5260 | Ant1 | 5.426 | 11 | Pass |
| NVNT | n20 | 5280 | Ant1 | 5.67 | 11 | Pass |
| NVNT | n20 | 5320 | Ant1 | 6.389 | 11 | Pass |
| NVNT | n40 | 5270 | Ant1 | 3.134 | 11 | Pass |
| NVNT | n40 | 5310 | Ant1 | 2.792 | 11 | Pass |

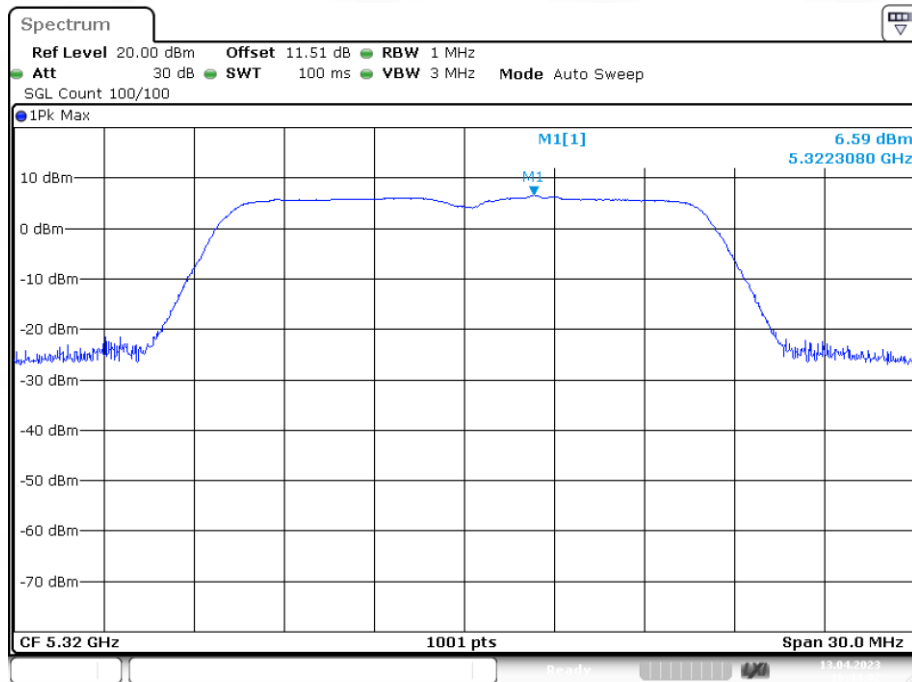
PSD NVNT a 5260MHz Ant1



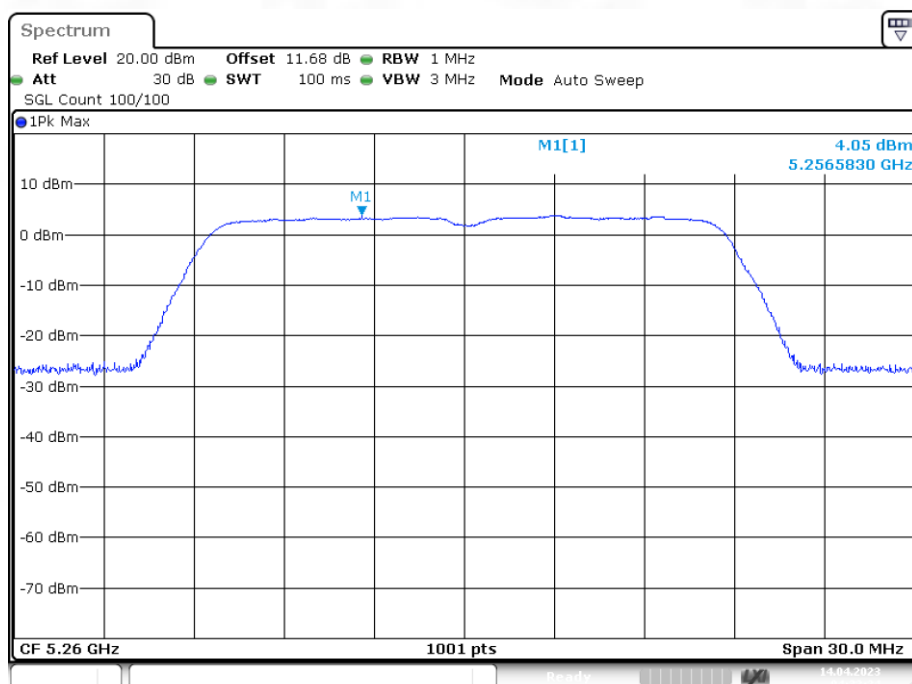
PSD NVNT a 5280MHz Ant1



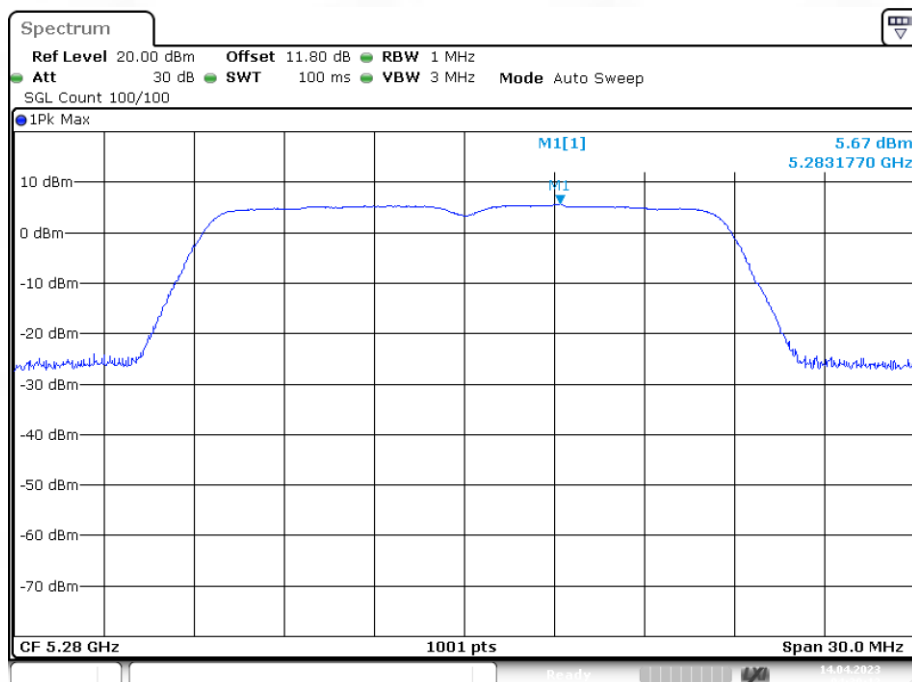
PSD NVNT a 5320MHz Ant1



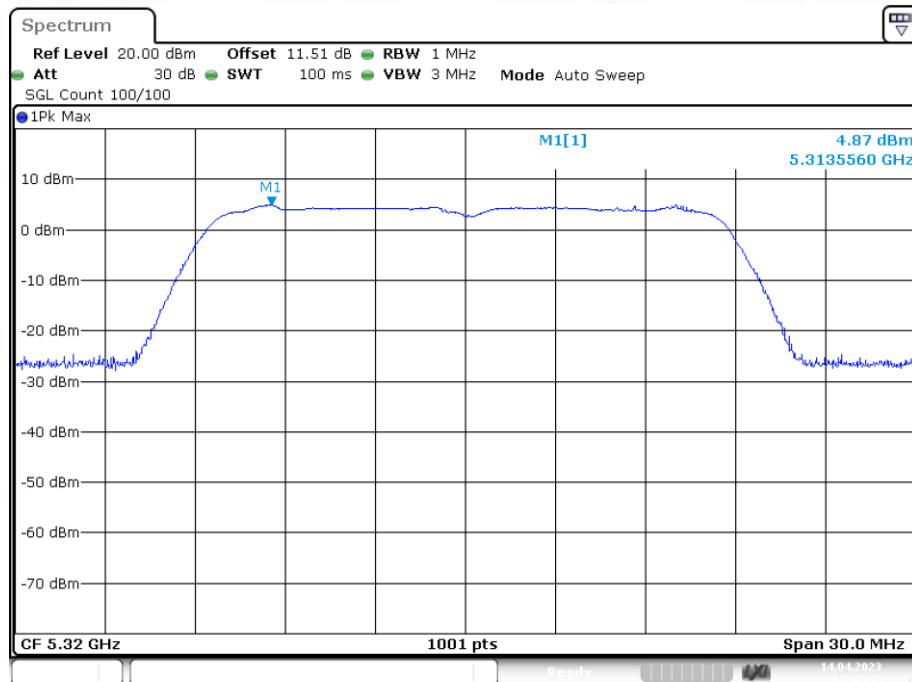
PSD NVNT ac20 5260MHz Ant1



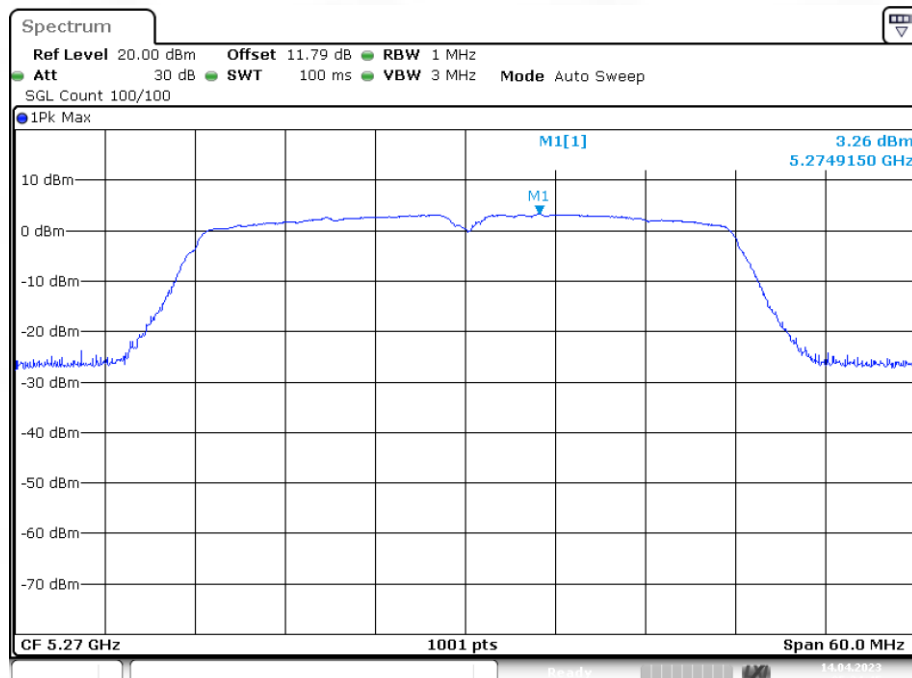
PSD NVNT ac20 5280MHz Ant1



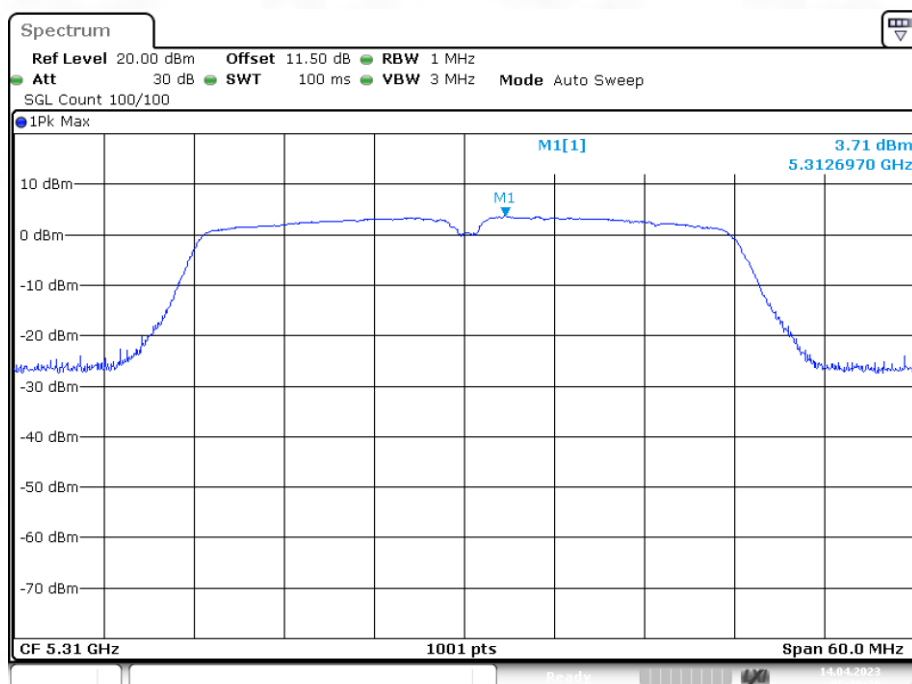
PSD NVNT ac20 5320MHz Ant1



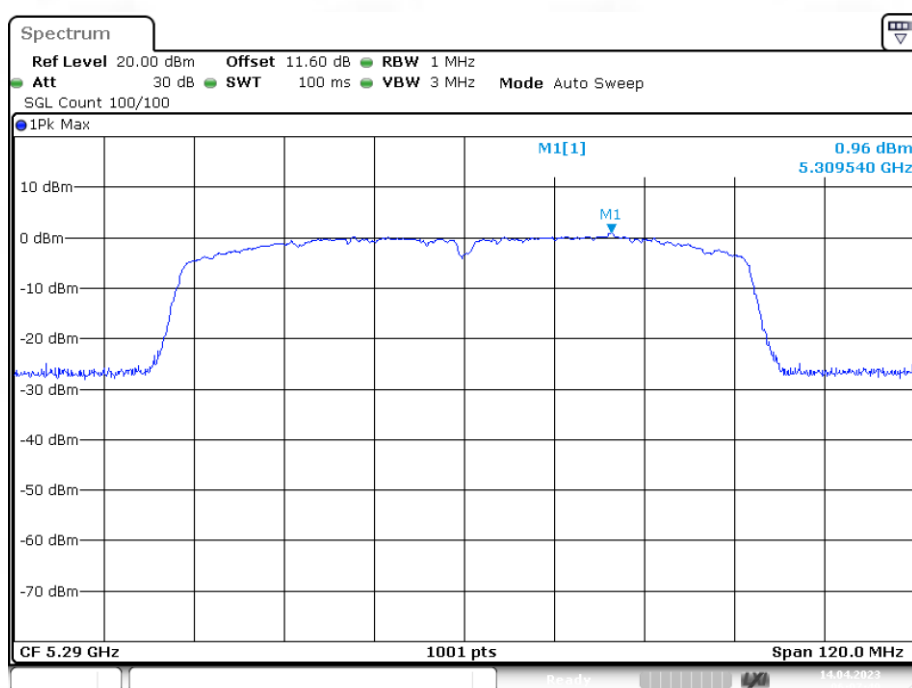
PSD NVNT ac40 5270MHz Ant1



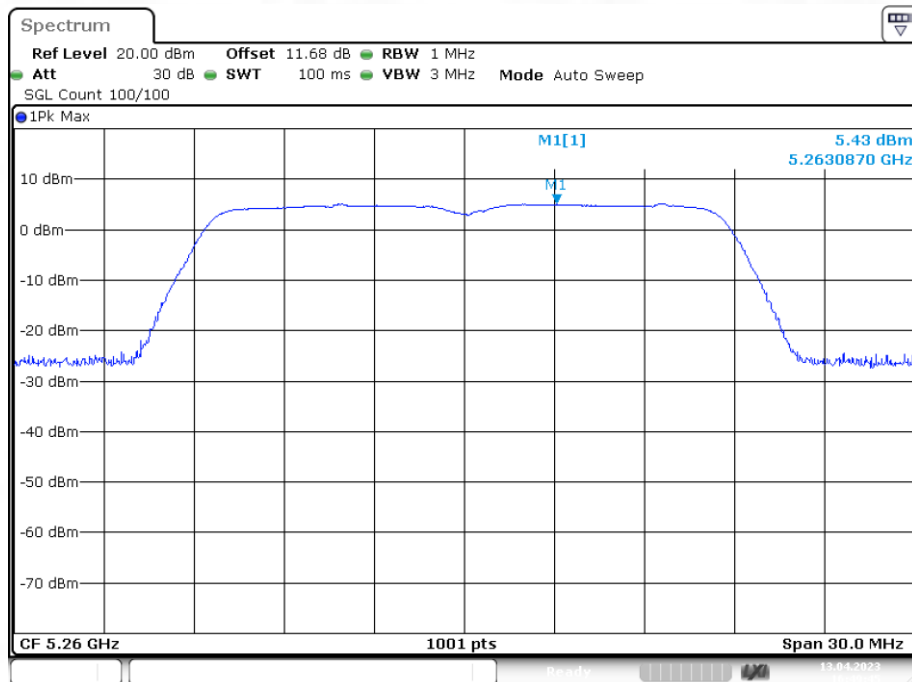
PSD NVNT ac40 5310MHz Ant1



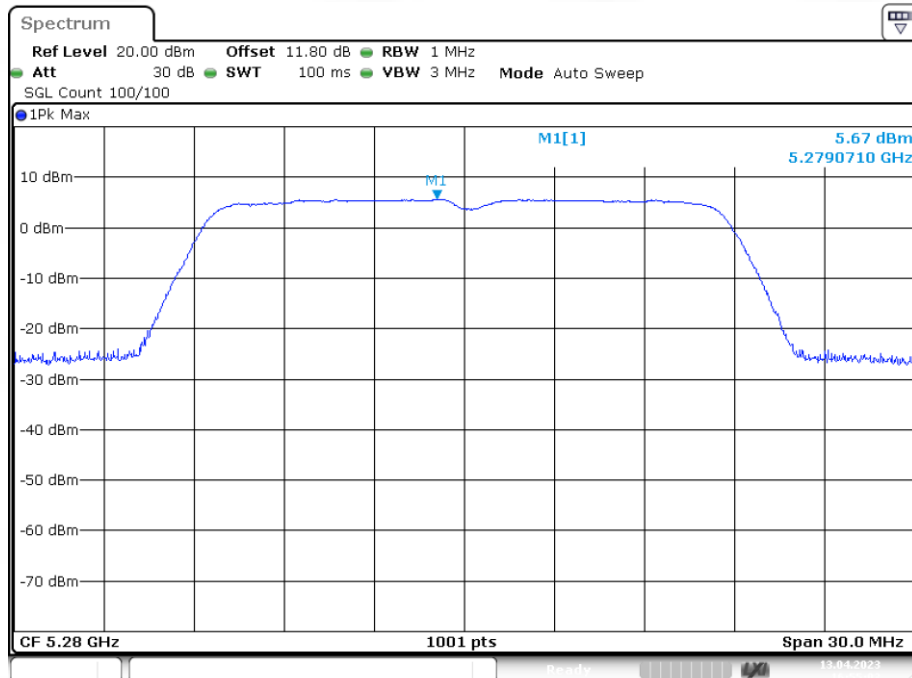
PSD NVNT ac80 5290MHz Ant1



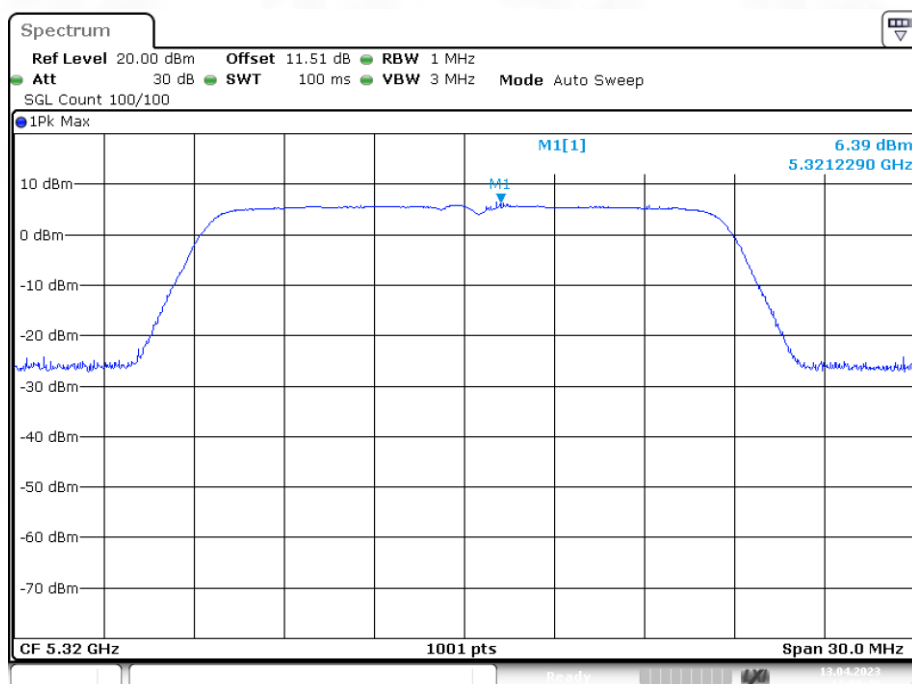
PSD NVNT n20 5260MHz Ant1



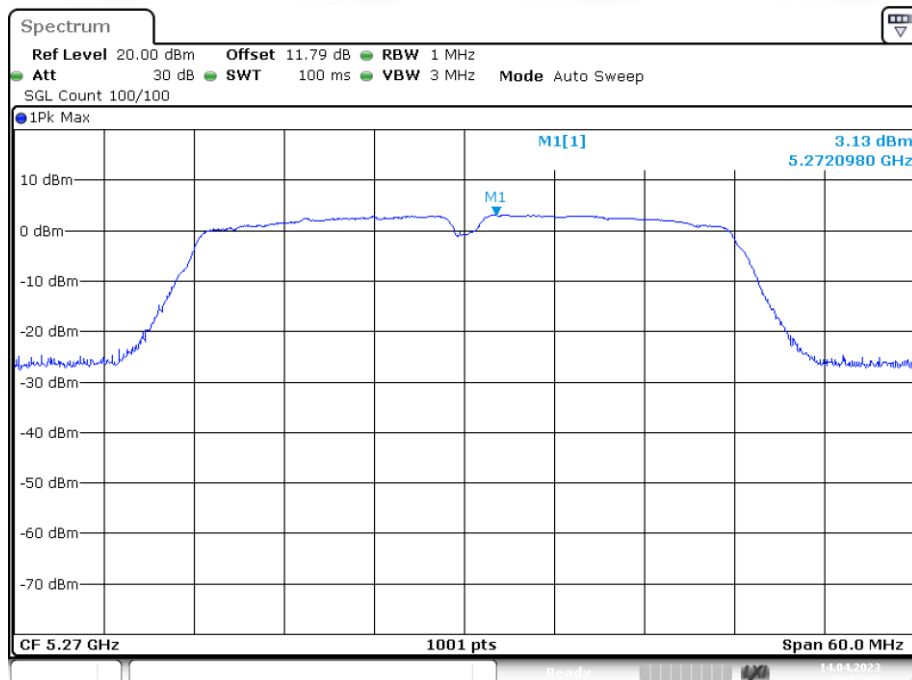
PSD NVNT n20 5280MHz Ant1



PSD NVNT n20 5320MHz Ant1



PSD NVNT n40 5270MHz Ant1



PSD NVNT n40 5310MHz Ant1

