



Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: wireless router

Test Model: CF-WR631AX

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 23.8° C |
| Relative Humidity: | 52.1% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Nick Peng |
| Supervised by: | Ling Zhu |



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



A.1 -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT | b | 2412 | Ant0 | 7.317 | >=0.5 | Pass |
| NVNT | b | 2437 | Ant0 | 7.102 | >=0.5 | Pass |
| NVNT | b | 2462 | Ant0 | 8.568 | >=0.5 | Pass |
| NVNT | g | 2412 | Ant0 | 15.925 | >=0.5 | Pass |
| NVNT | g | 2437 | Ant0 | 16.243 | >=0.5 | Pass |
| NVNT | g | 2462 | Ant0 | 14.795 | >=0.5 | Pass |
| NVNT | n20 | 2412 | Ant0 | 16.923 | >=0.5 | Pass |
| NVNT | n20 | 2437 | Ant0 | 15.632 | >=0.5 | Pass |
| NVNT | n20 | 2462 | Ant0 | 16.588 | >=0.5 | Pass |
| NVNT | n40 | 2422 | Ant0 | 34.2 | >=0.5 | Pass |
| NVNT | n40 | 2437 | Ant0 | 34.775 | >=0.5 | Pass |
| NVNT | n40 | 2452 | Ant0 | 33.599 | >=0.5 | Pass |
| NVNT | ax20 | 2412 | Ant0 | 18.735 | >=0.5 | Pass |
| NVNT | ax20 | 2437 | Ant0 | 17.957 | >=0.5 | Pass |
| NVNT | ax20 | 2462 | Ant0 | 18.216 | >=0.5 | Pass |
| NVNT | ax40 | 2422 | Ant0 | 36.717 | >=0.5 | Pass |
| NVNT | ax40 | 2437 | Ant0 | 35.326 | >=0.5 | Pass |
| NVNT | ax40 | 2452 | Ant0 | 35.593 | >=0.5 | Pass |



Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity



Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant0

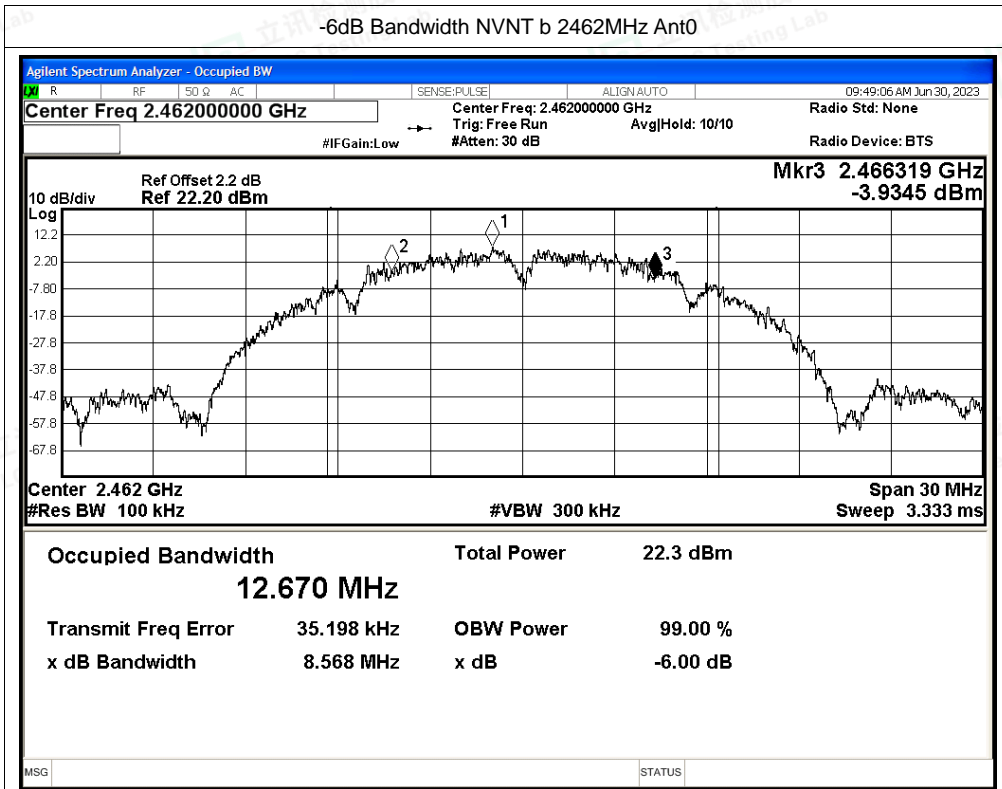


-6dB Bandwidth NVNT b 2437MHz Ant0

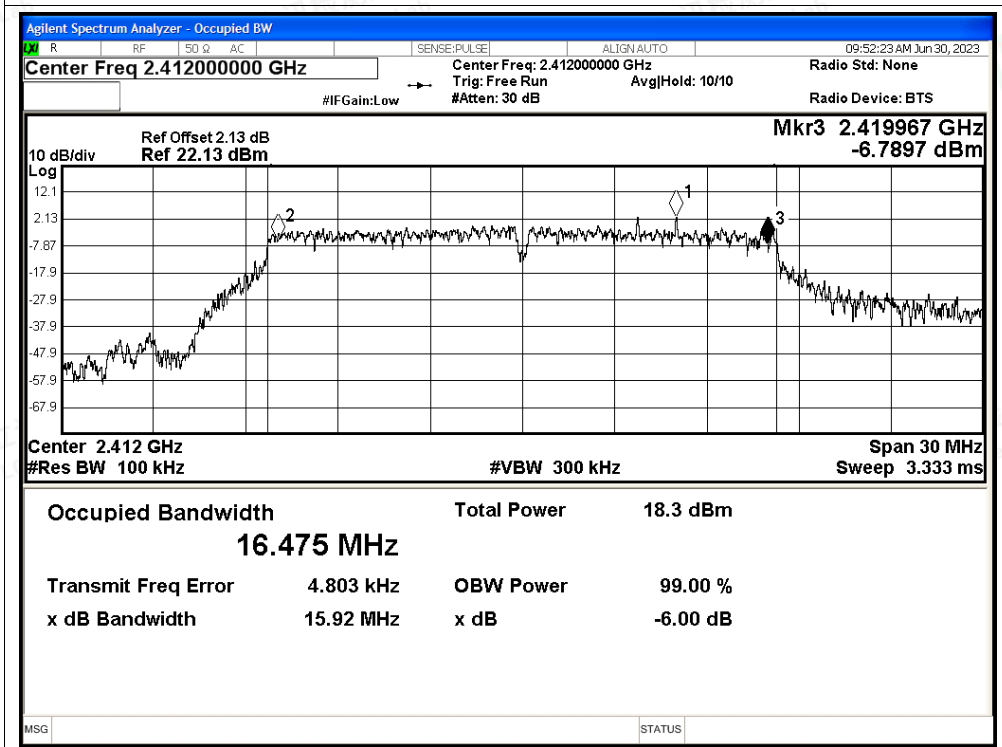




-6dB Bandwidth NVNT b 2462MHz Ant0

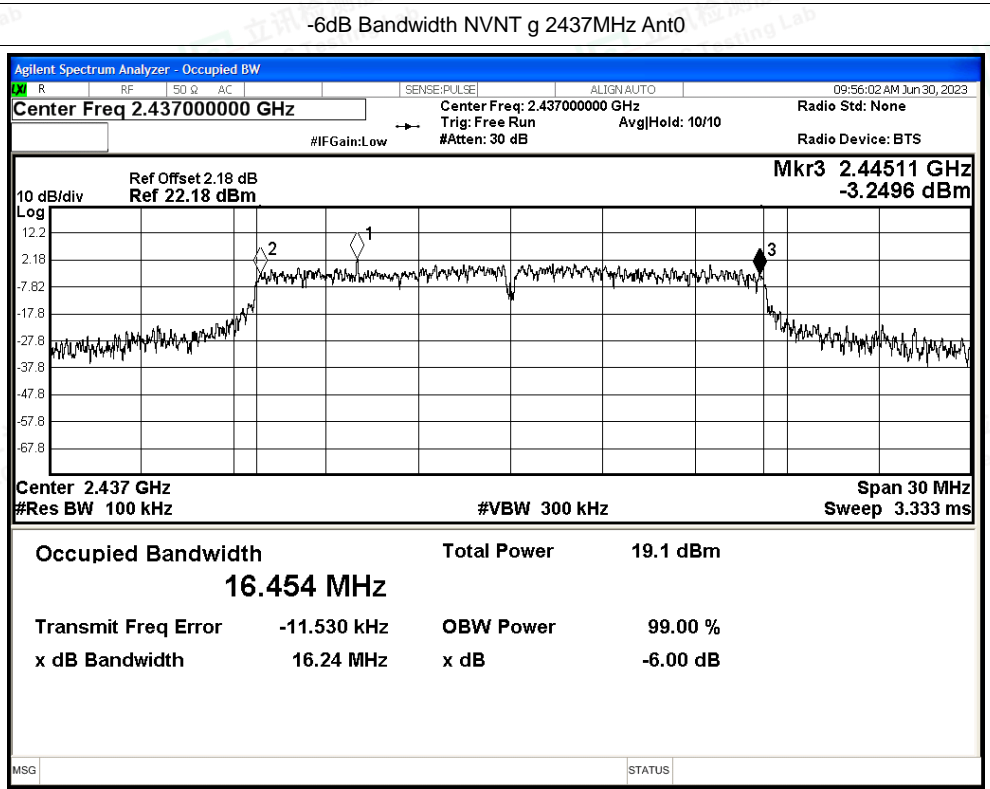


-6dB Bandwidth NVNT g 2412MHz Ant0

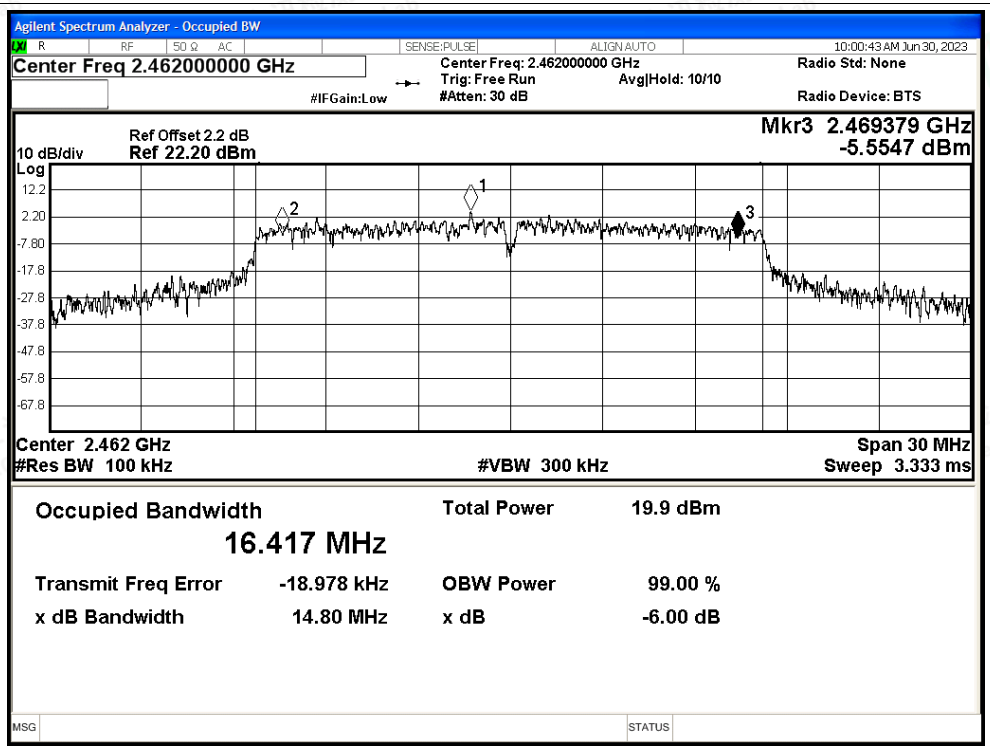




-6dB Bandwidth NVNT g 2437MHz Ant0

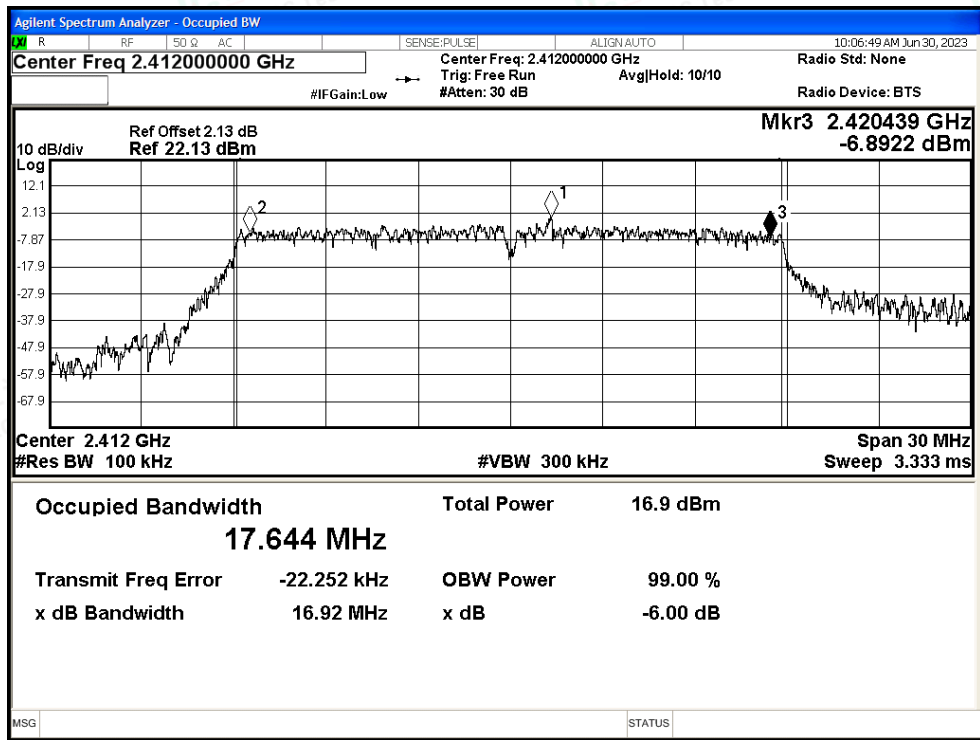


-6dB Bandwidth NVNT g 2462MHz Ant0

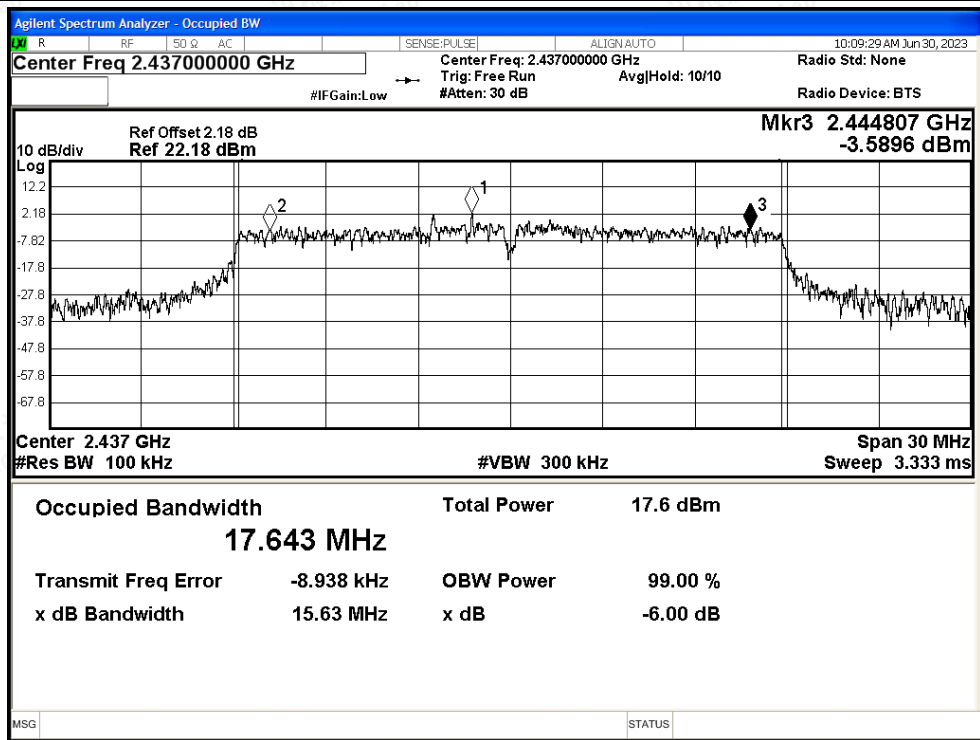




-6dB Bandwidth NVNT n20 2412MHz Ant0

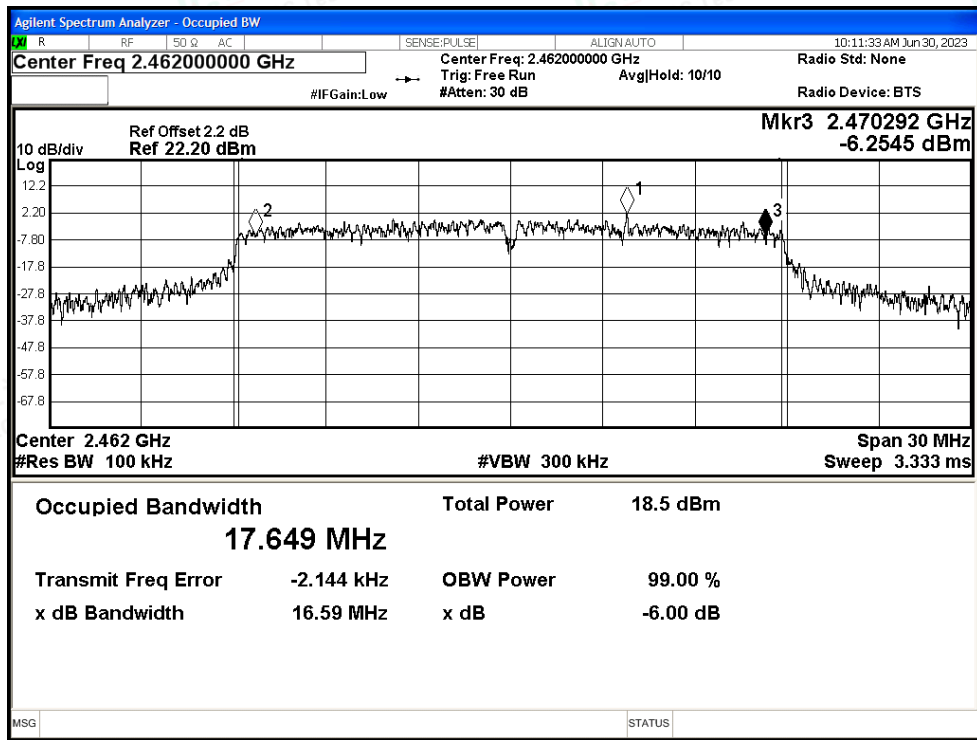


-6dB Bandwidth NVNT n20 2437MHz Ant0

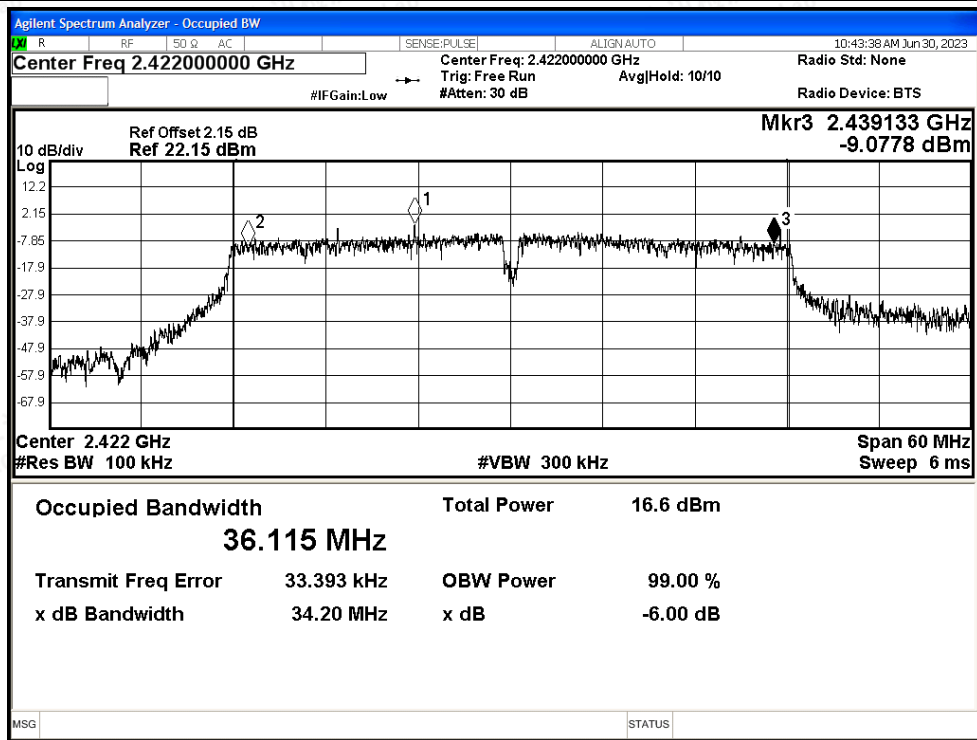


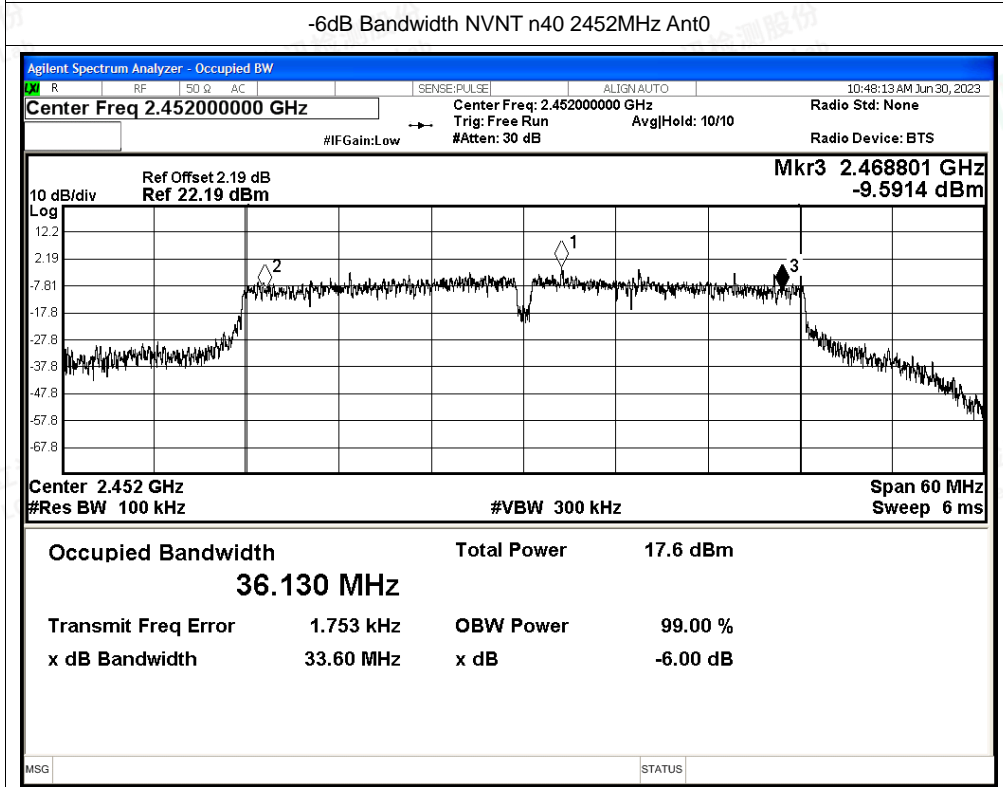
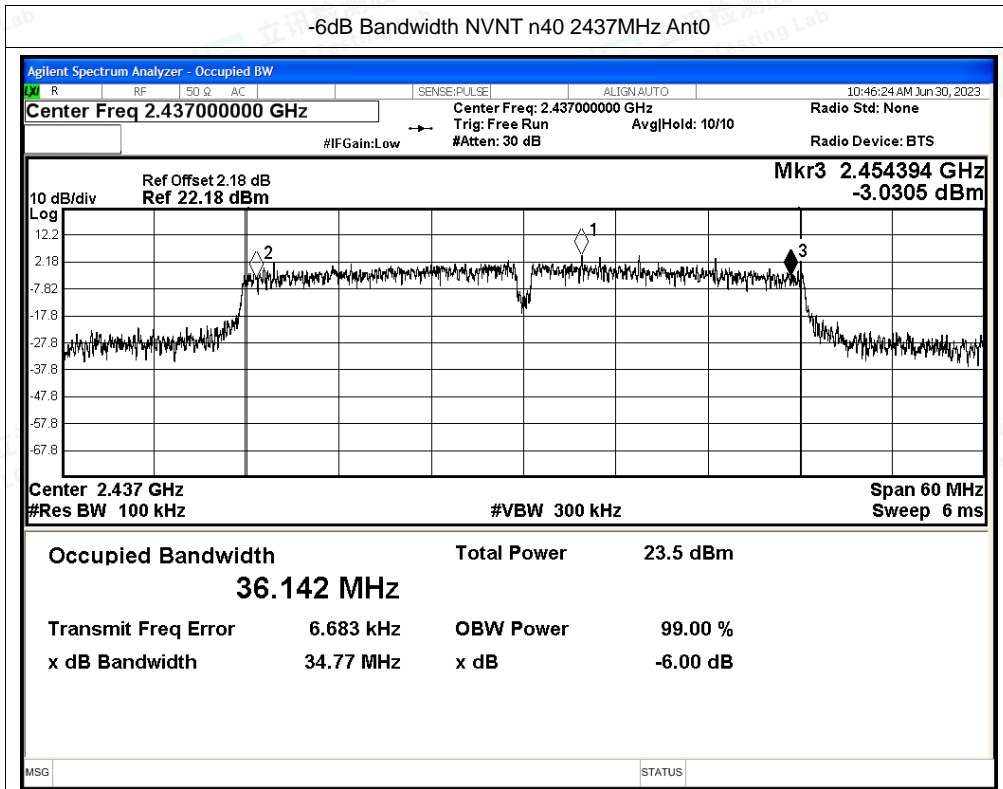


-6dB Bandwidth NVNT n20 2462MHz Ant0



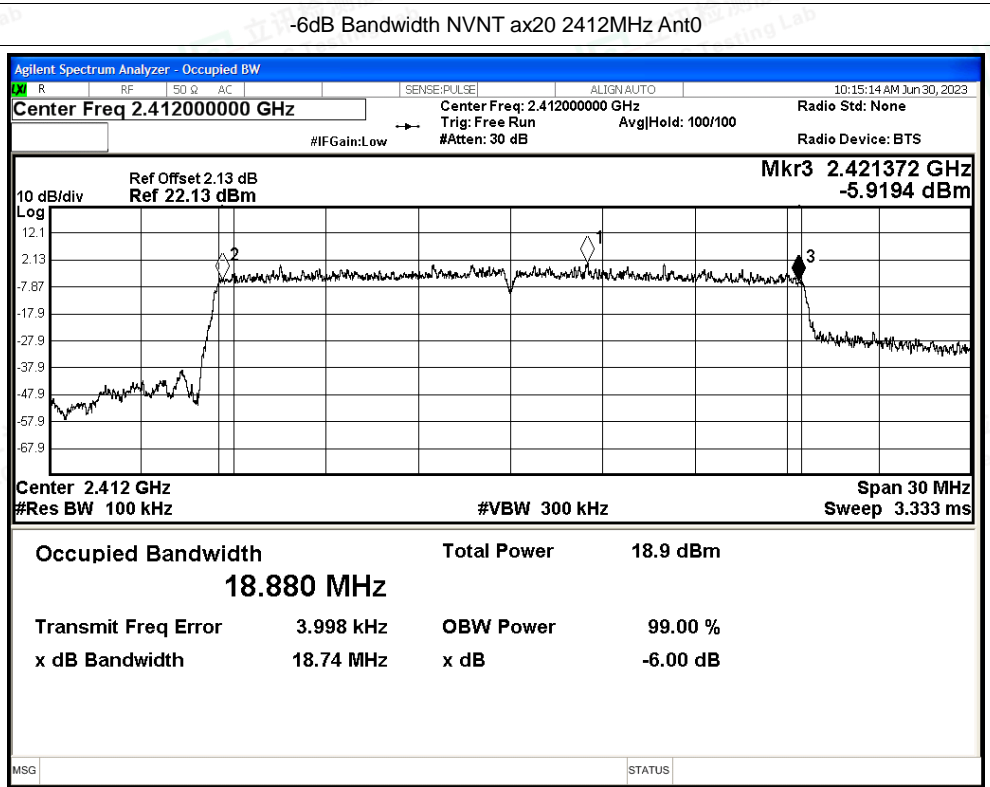
-6dB Bandwidth NVNT n40 2422MHz Ant0



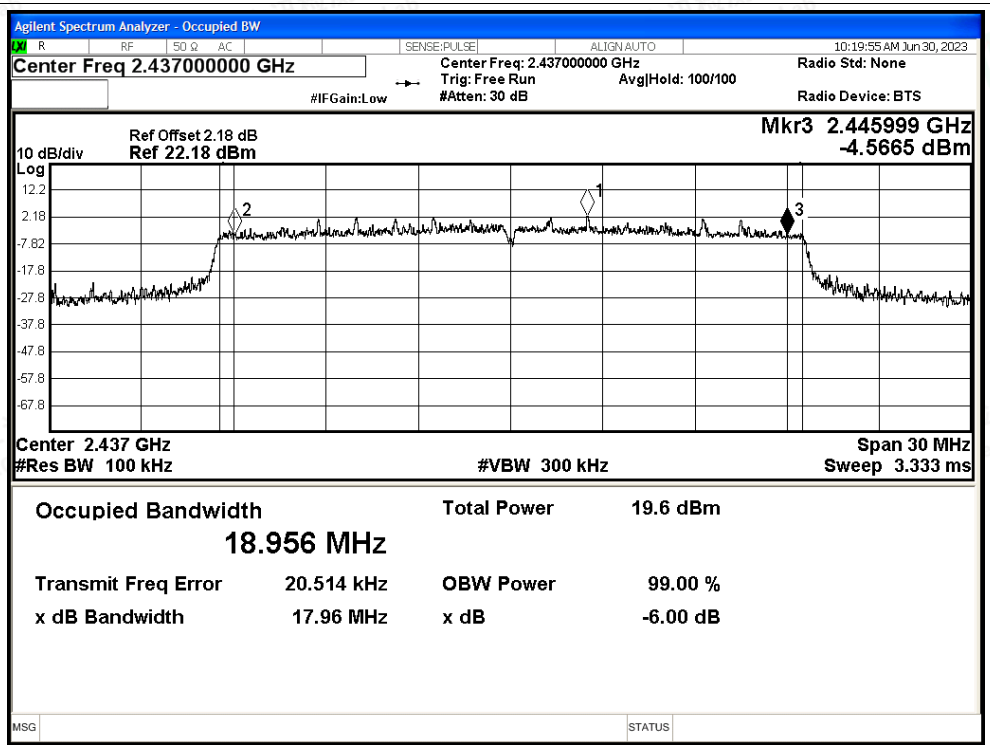




-6dB Bandwidth NVNT ax20 2412MHz Ant0

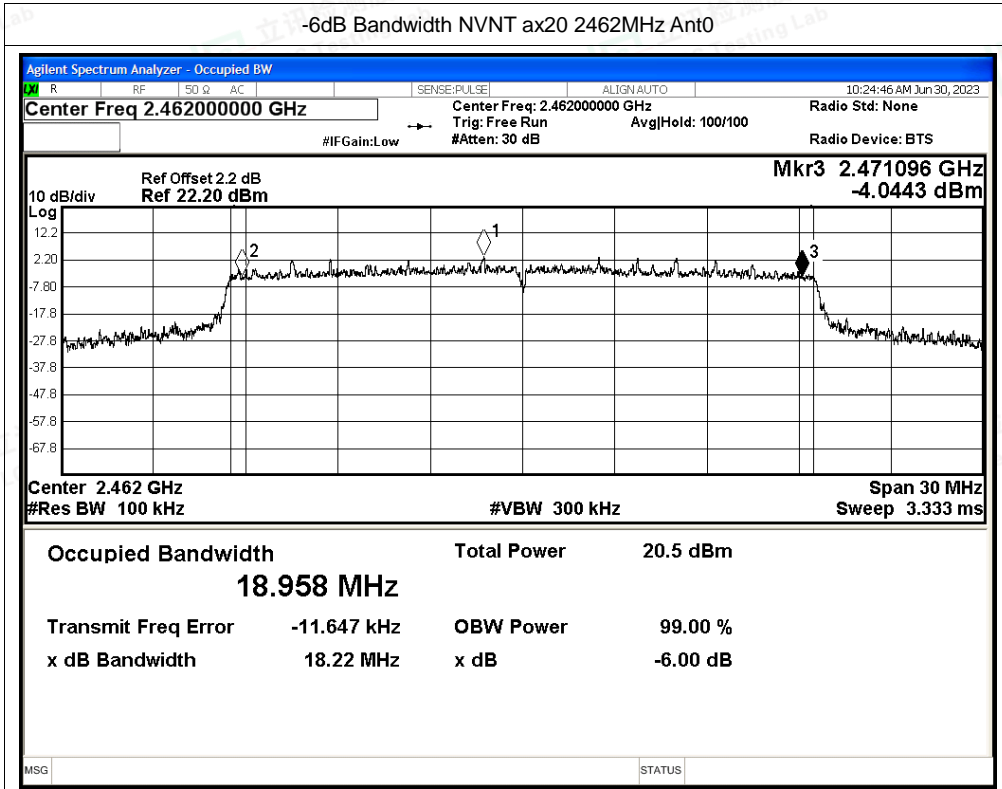


-6dB Bandwidth NVNT ax20 2437MHz Ant0

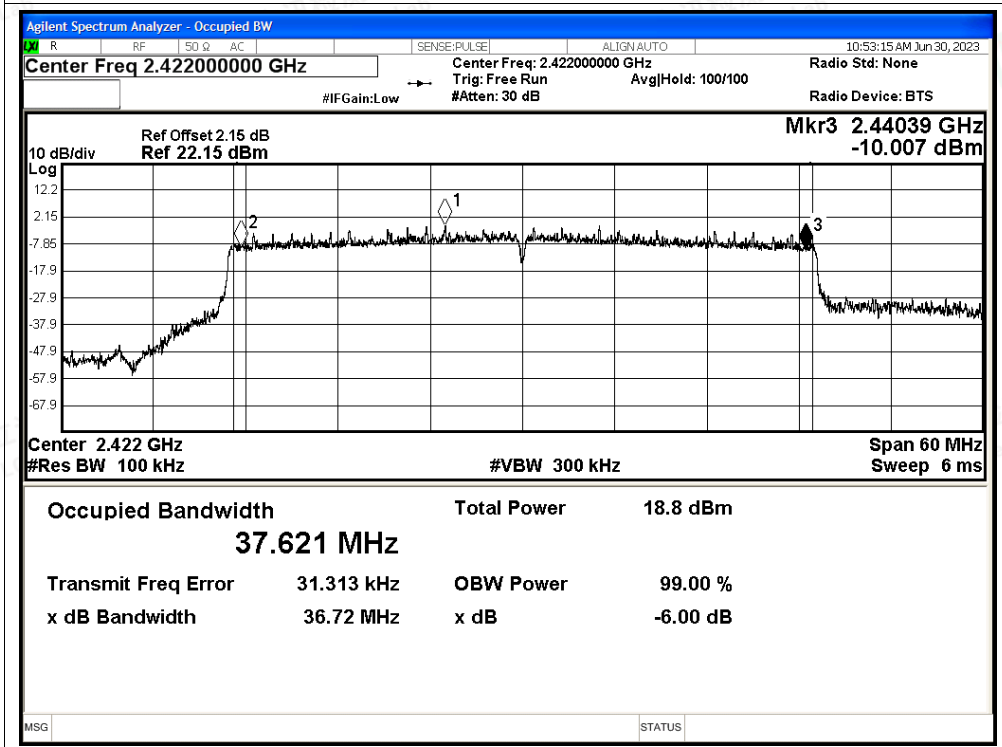




-6dB Bandwidth NVNT ax20 2462MHz Ant0

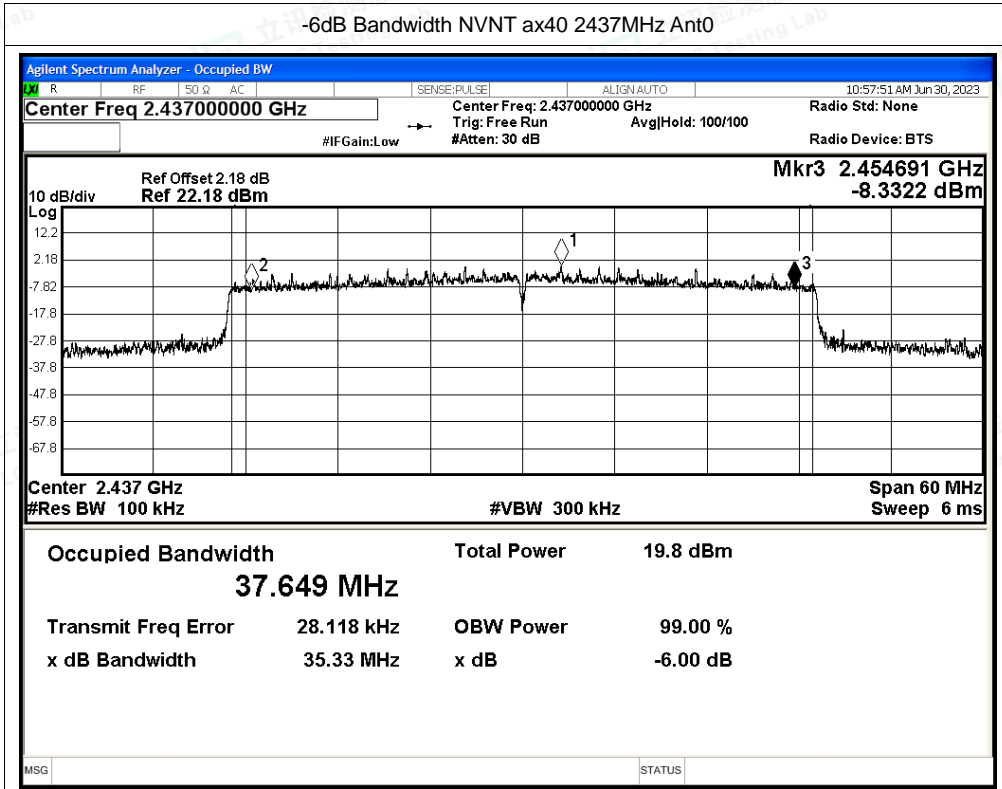


-6dB Bandwidth NVNT ax40 2422MHz Ant0

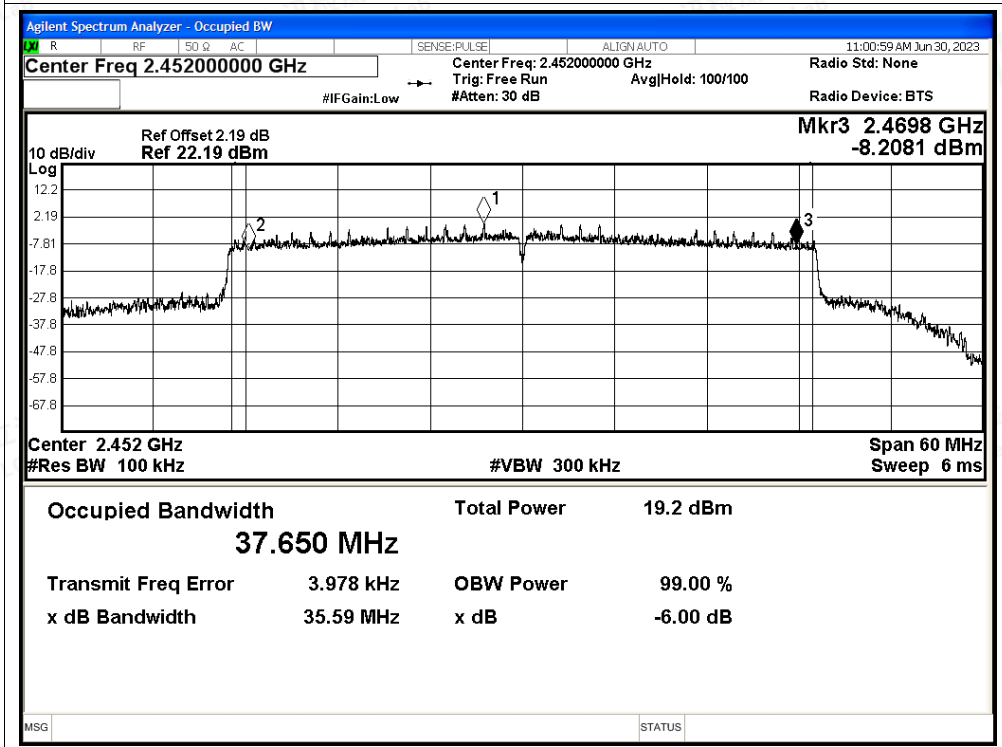




-6dB Bandwidth NVNT ax40 2437MHz Ant0



-6dB Bandwidth NVNT ax40 2452MHz Ant0





| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT | b | 2412 | Ant1 | 7.51 | >=0.5 | Pass |
| NVNT | b | 2437 | Ant1 | 8.594 | >=0.5 | Pass |
| NVNT | b | 2462 | Ant1 | 7.104 | >=0.5 | Pass |
| NVNT | g | 2412 | Ant1 | 16.343 | >=0.5 | Pass |
| NVNT | g | 2437 | Ant1 | 16.406 | >=0.5 | Pass |
| NVNT | g | 2462 | Ant1 | 16.416 | >=0.5 | Pass |
| NVNT | n20 | 2412 | Ant1 | 17.127 | >=0.5 | Pass |
| NVNT | n20 | 2437 | Ant1 | 17.741 | >=0.5 | Pass |
| NVNT | n20 | 2462 | Ant1 | 17.659 | >=0.5 | Pass |
| NVNT | n40 | 2422 | Ant1 | 33.211 | >=0.5 | Pass |
| NVNT | n40 | 2437 | Ant1 | 33.839 | >=0.5 | Pass |
| NVNT | n40 | 2452 | Ant1 | 30.658 | >=0.5 | Pass |
| NVNT | ax20 | 2412 | Ant1 | 18.688 | >=0.5 | Pass |
| NVNT | ax20 | 2437 | Ant1 | 17.602 | >=0.5 | Pass |
| NVNT | ax20 | 2462 | Ant1 | 18.24 | >=0.5 | Pass |
| NVNT | ax40 | 2422 | Ant1 | 35.502 | >=0.5 | Pass |
| NVNT | ax40 | 2437 | Ant1 | 35.037 | >=0.5 | Pass |
| NVNT | ax40 | 2452 | Ant1 | 33.863 | >=0.5 | Pass |

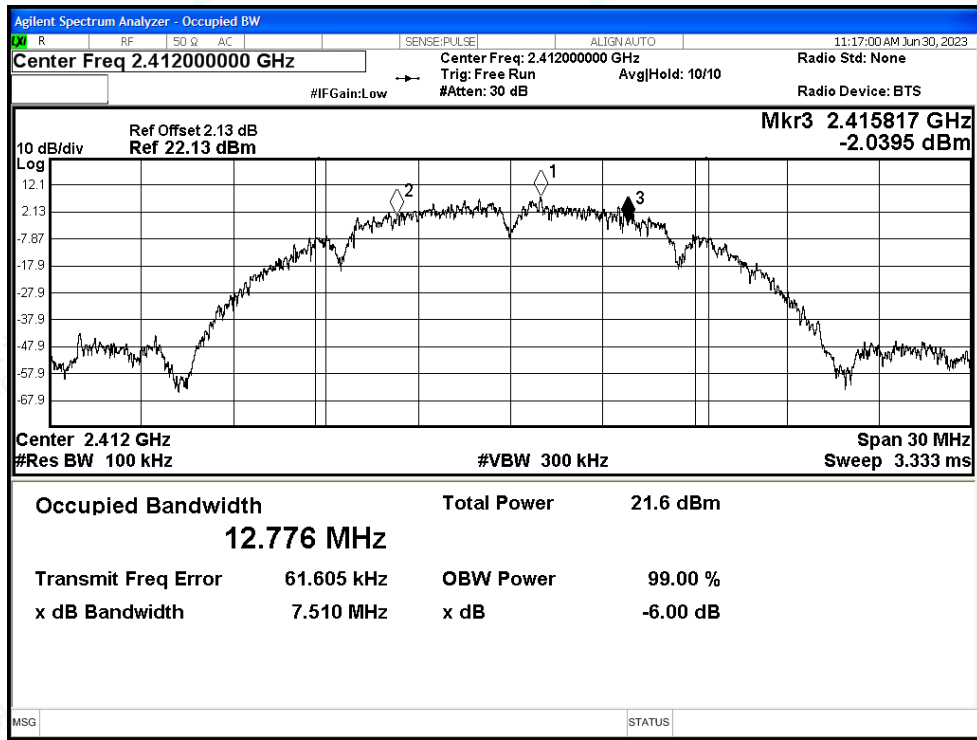


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity



Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1

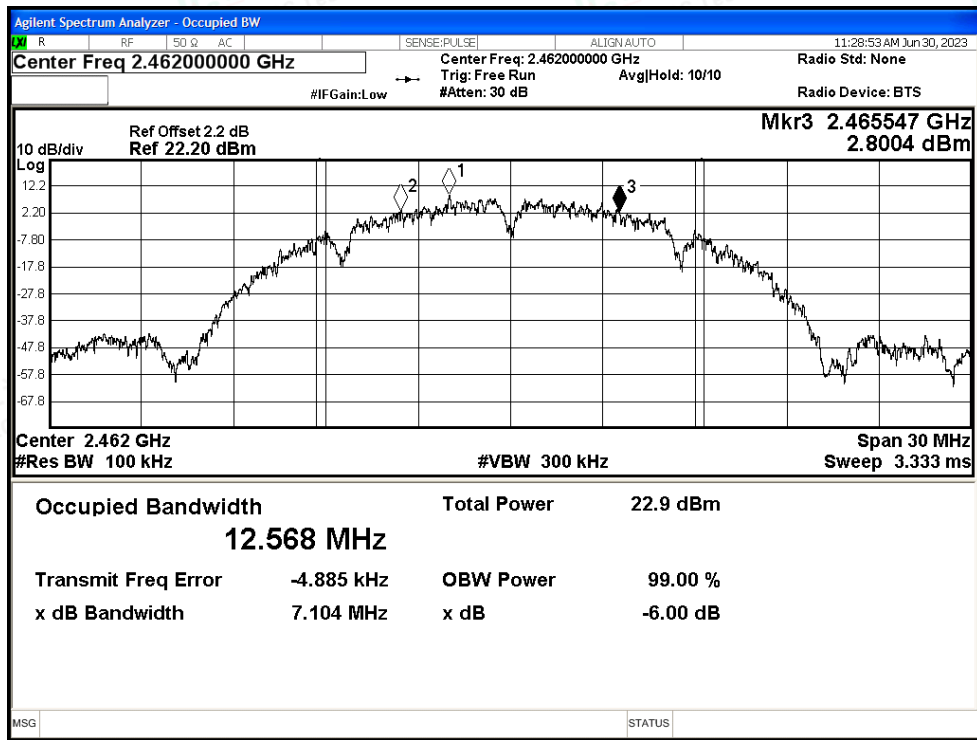


-6dB Bandwidth NVNT b 2437MHz Ant1

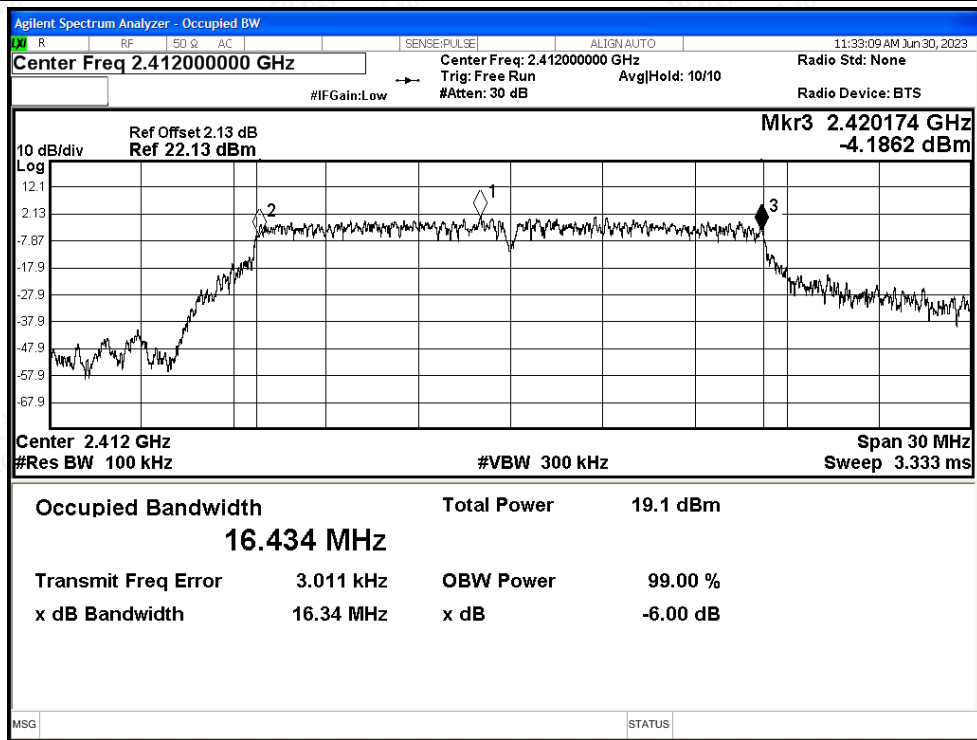




-6dB Bandwidth NVNT b 2462MHz Ant1

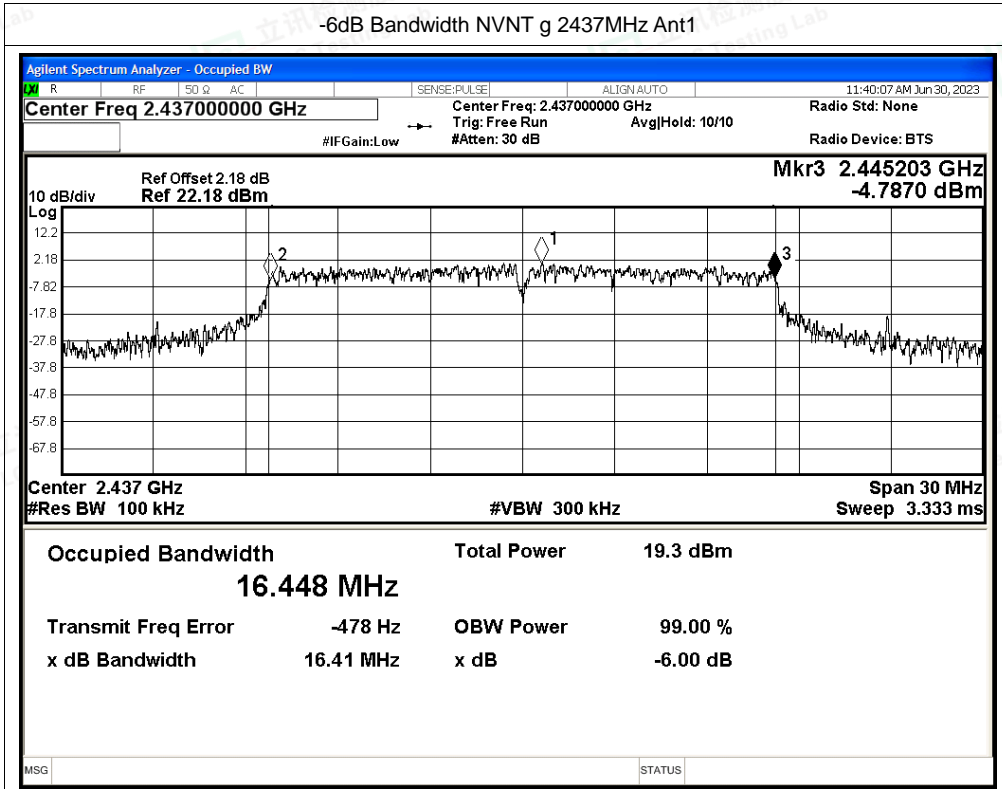


-6dB Bandwidth NVNT g 2412MHz Ant1

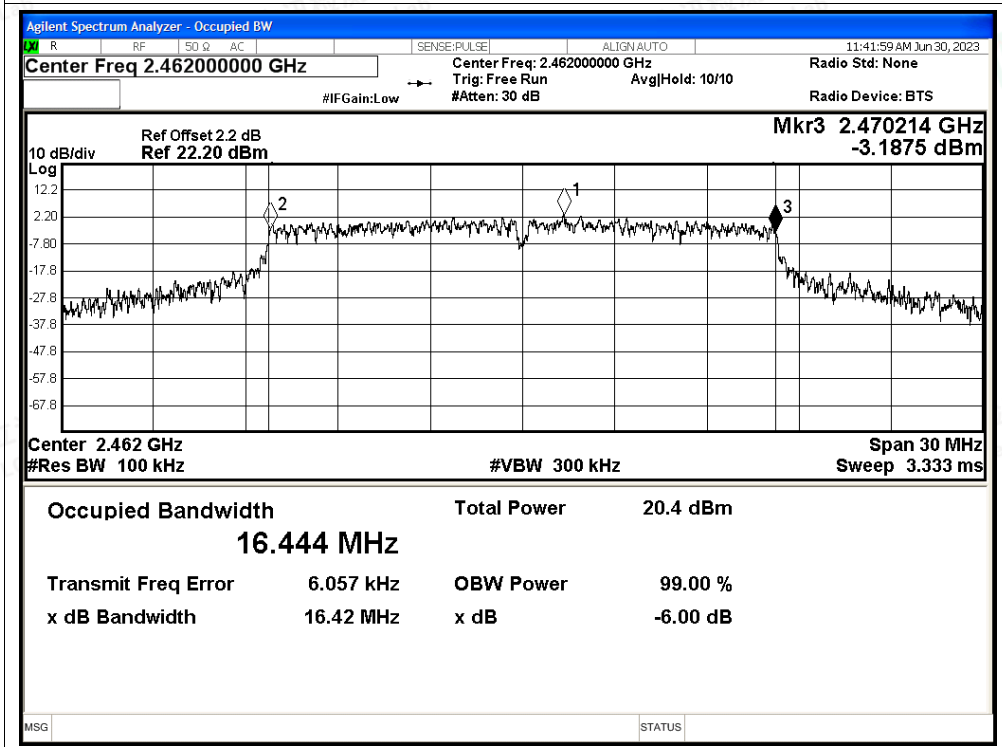




-6dB Bandwidth NVNT g 2437MHz Ant1

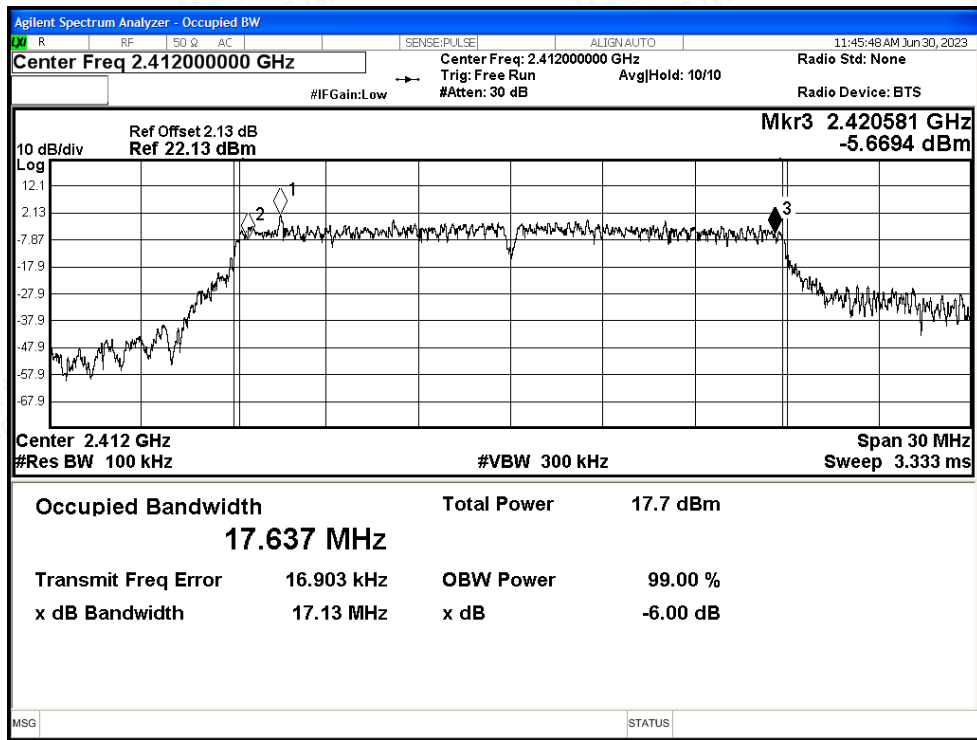


-6dB Bandwidth NVNT g 2462MHz Ant1

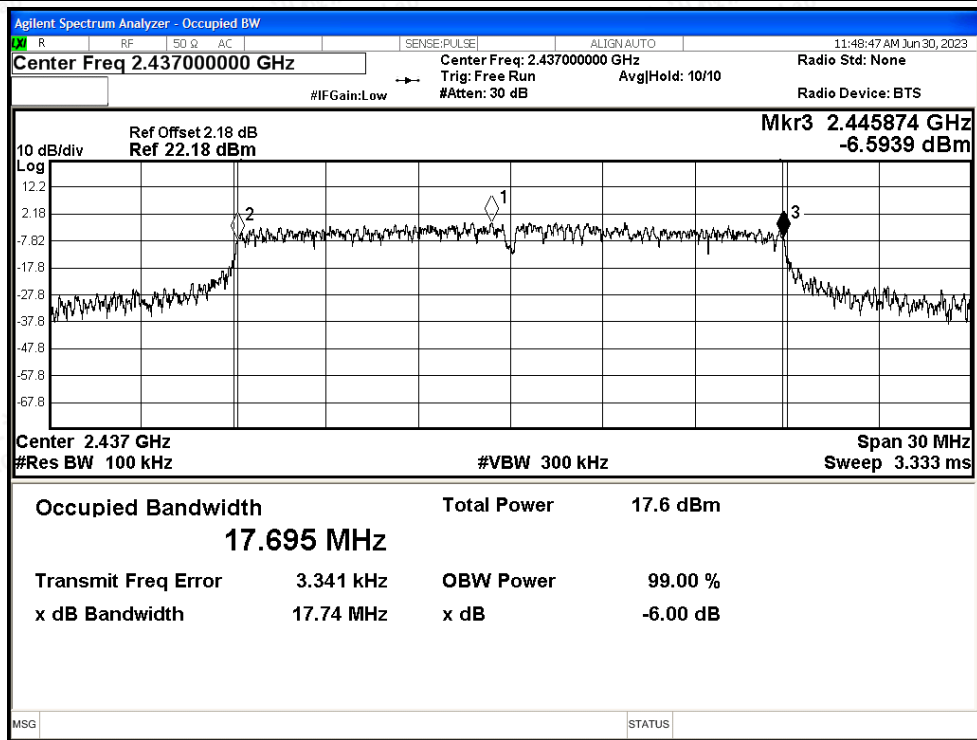




-6dB Bandwidth NVNT n20 2412MHz Ant1

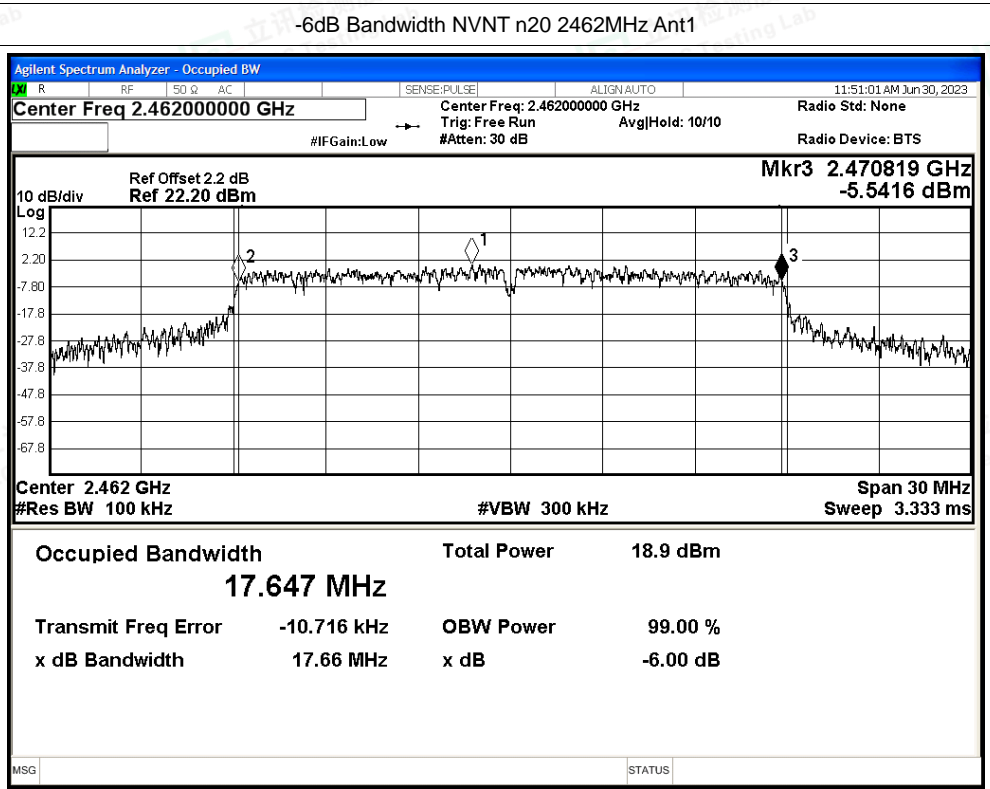


-6dB Bandwidth NVNT n20 2437MHz Ant1

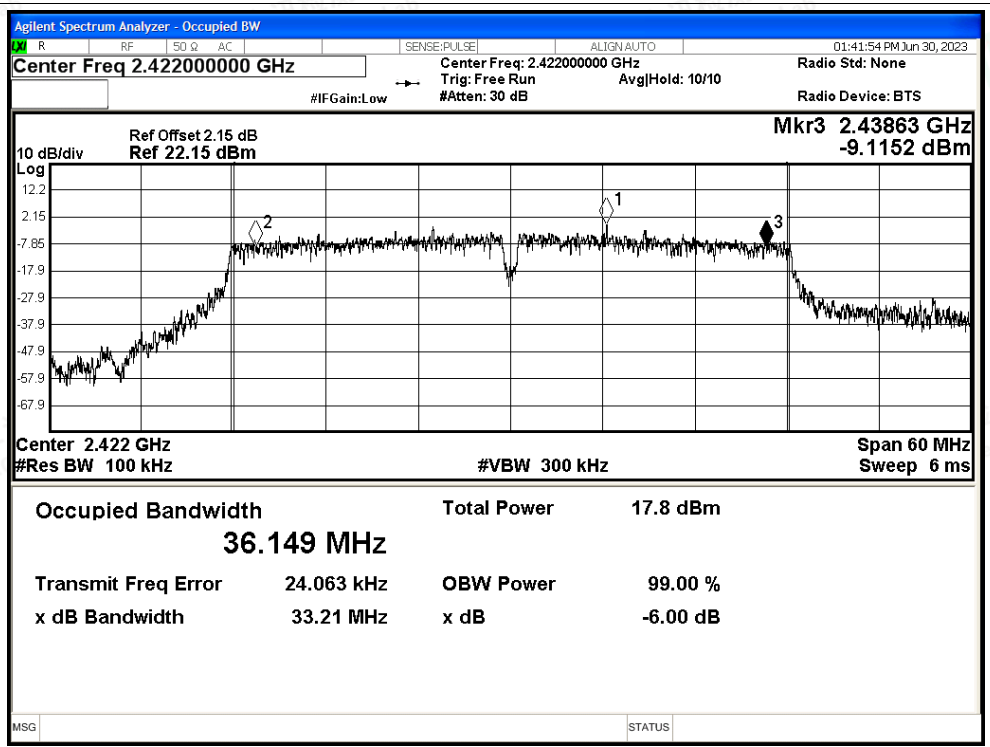




-6dB Bandwidth NVNT n20 2462MHz Ant1

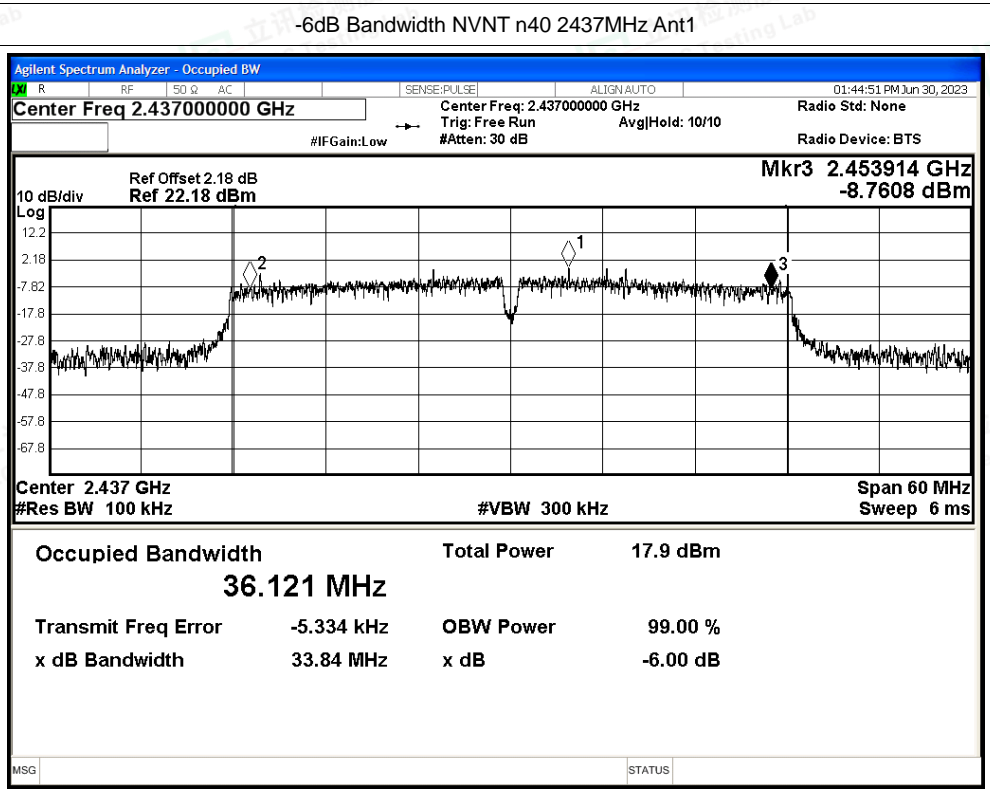


-6dB Bandwidth NVNT n40 2422MHz Ant1

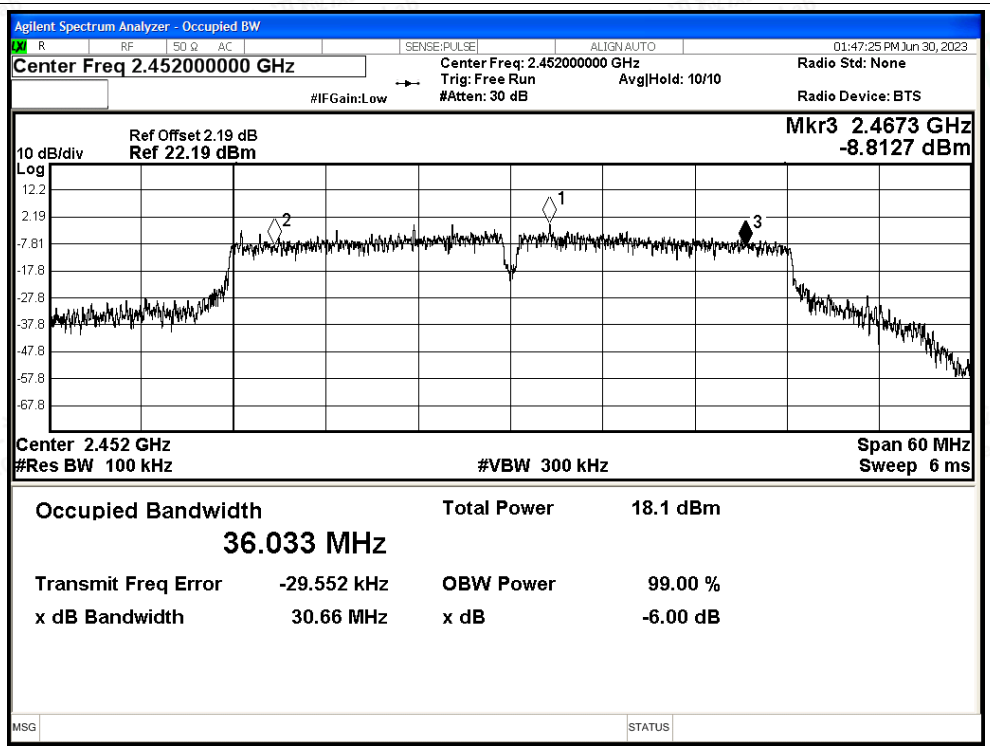




-6dB Bandwidth NVNT n40 2437MHz Ant1

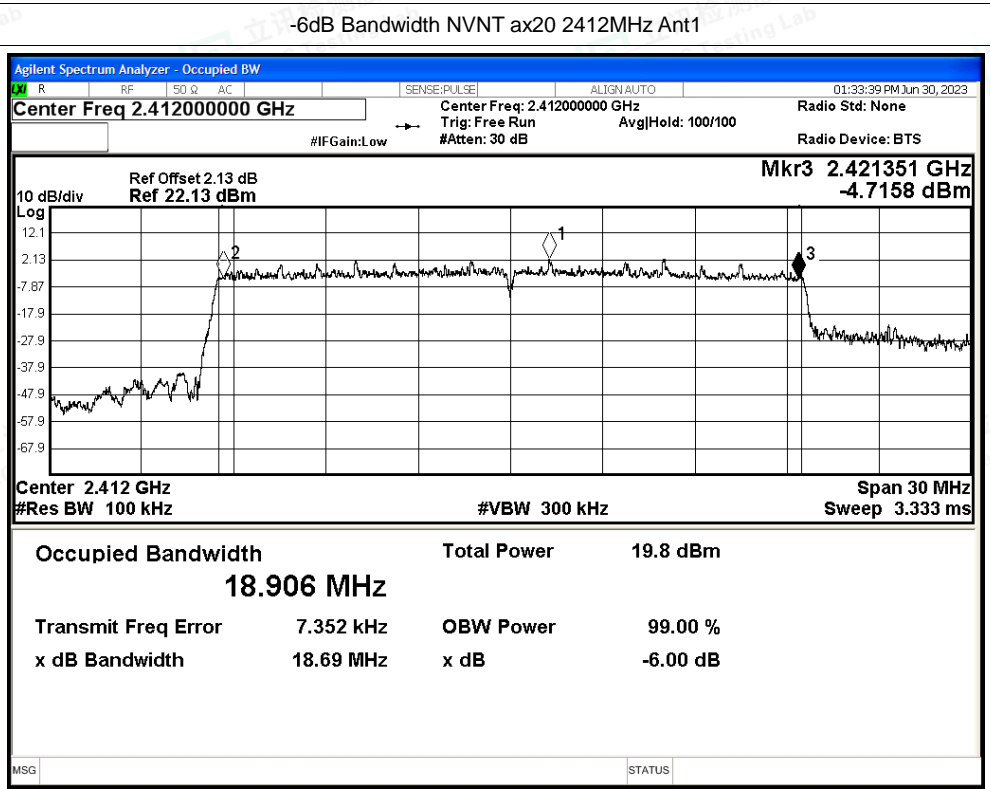


-6dB Bandwidth NVNT n40 2452MHz Ant1

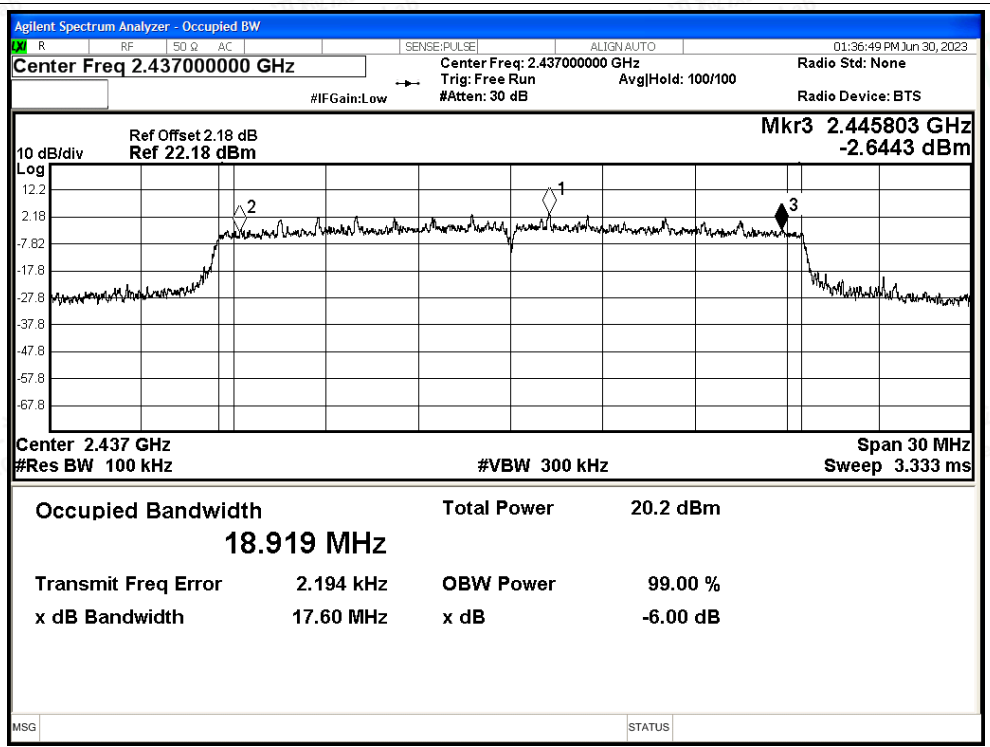




-6dB Bandwidth NVNT ax20 2412MHz Ant1

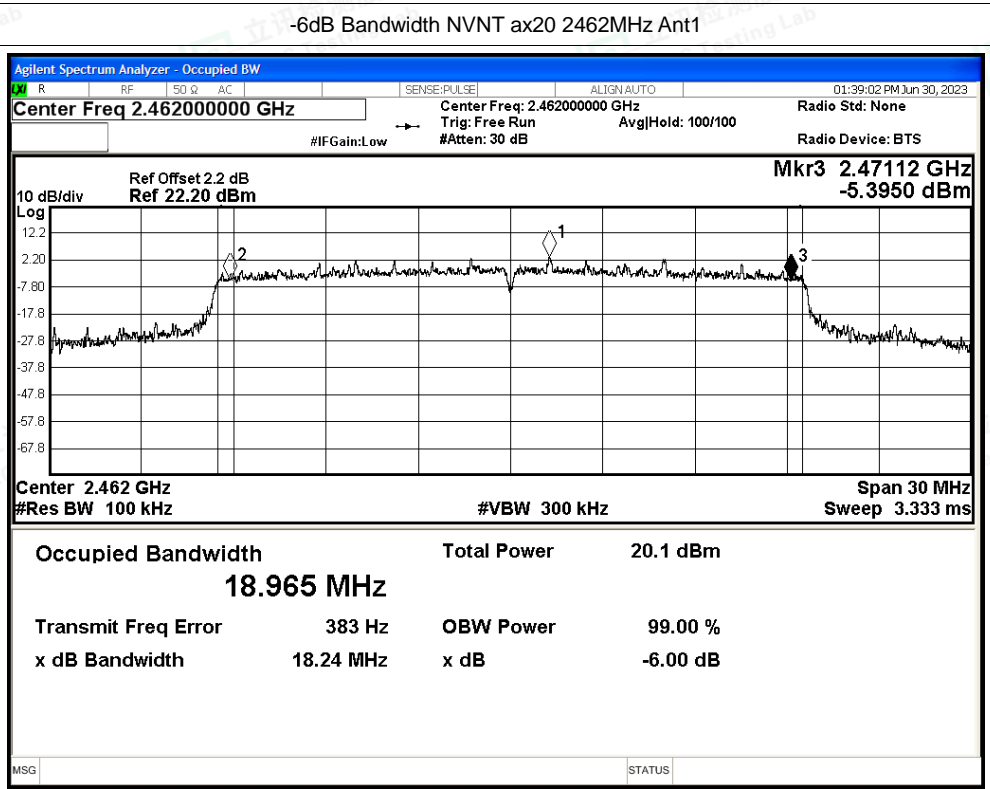


-6dB Bandwidth NVNT ax20 2437MHz Ant1

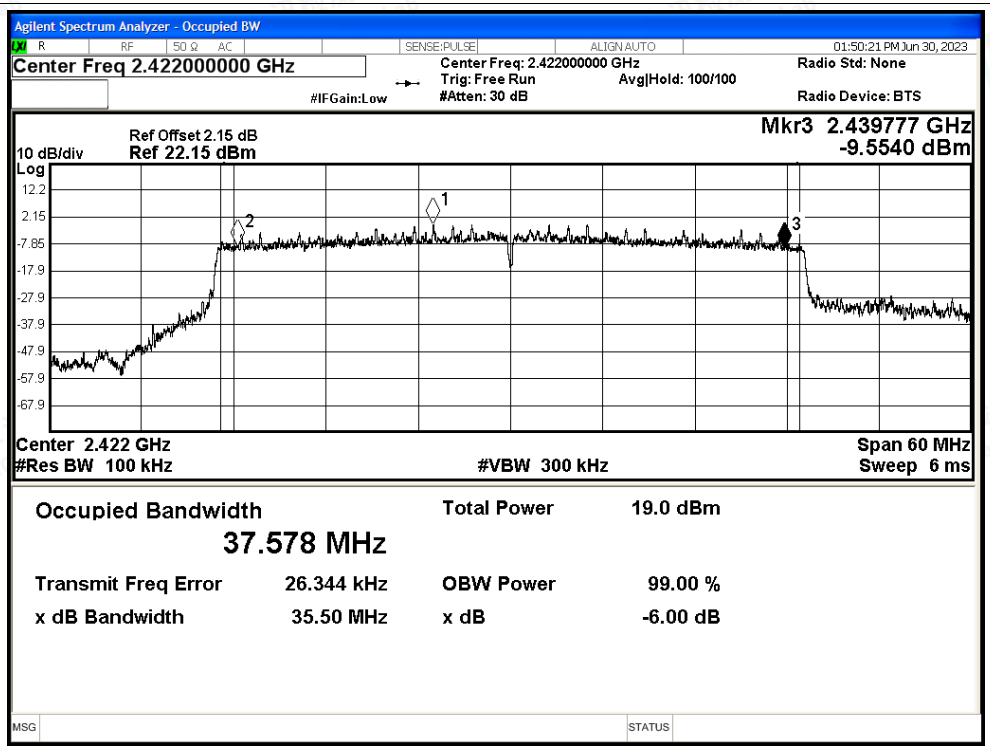




-6dB Bandwidth NVNT ax20 2462MHz Ant1

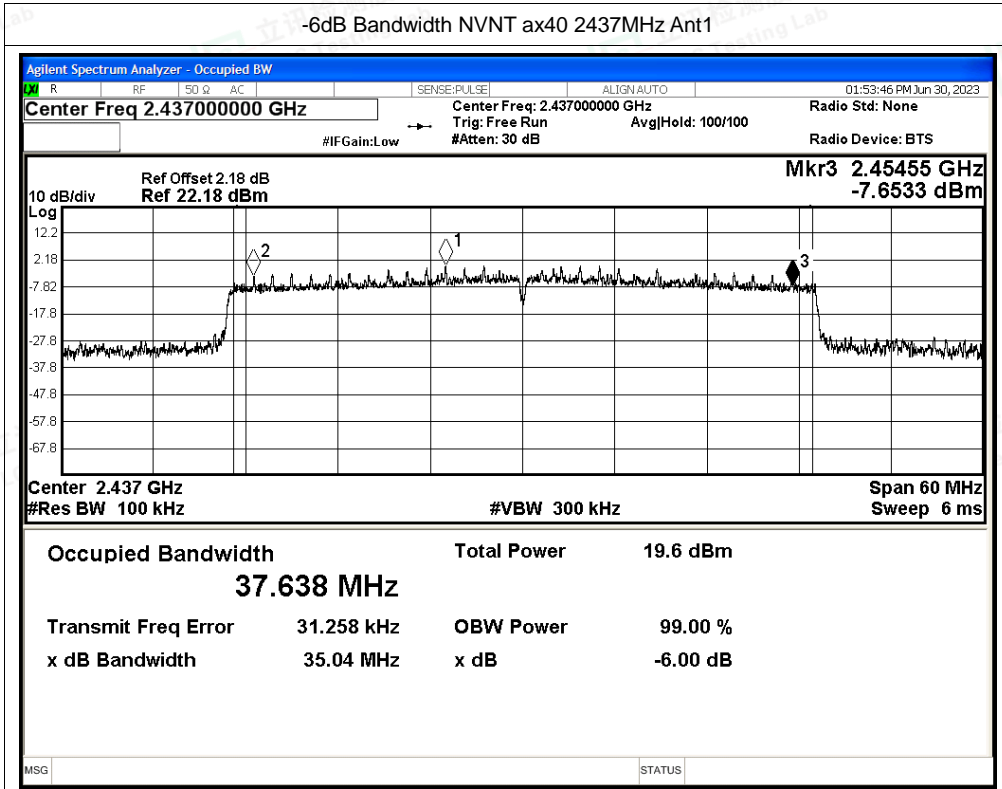


-6dB Bandwidth NVNT ax40 2422MHz Ant1

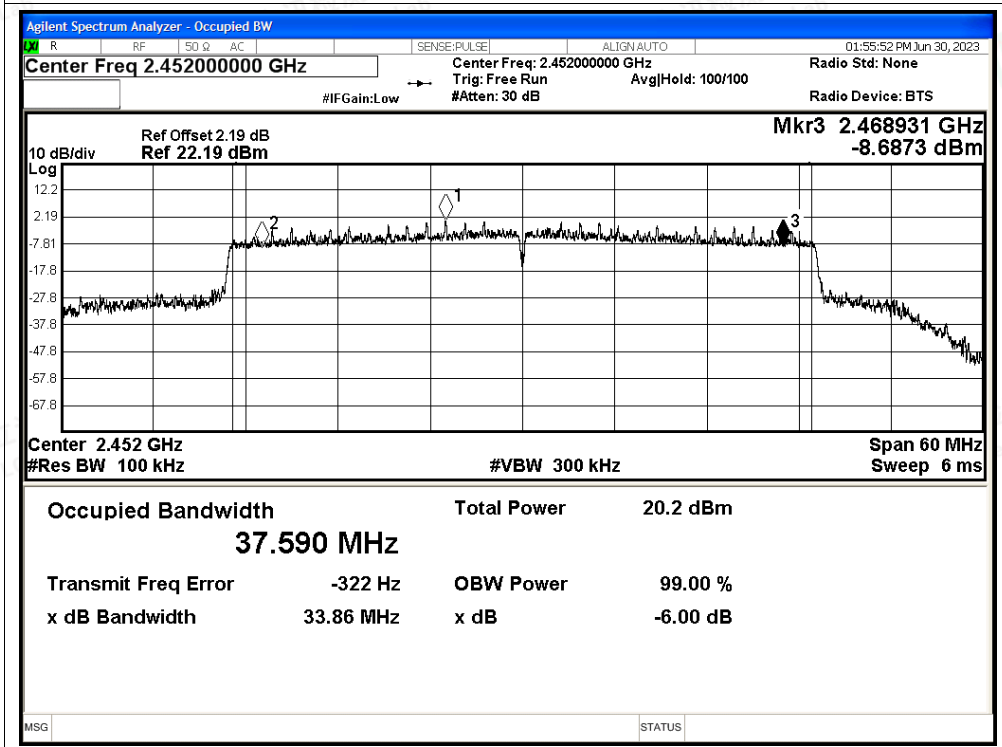




-6dB Bandwidth NVNT ax40 2437MHz Ant1



-6dB Bandwidth NVNT ax40 2452MHz Ant1





A.2 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------------------|-------------|---------|
| NVNT | b | 2412 | Ant0 | 22.31 | 30 | Pass |
| NVNT | b | 2437 | Ant0 | 22.90 | 30 | Pass |
| NVNT | b | 2462 | Ant0 | 22.81 | 30 | Pass |
| NVNT | g | 2412 | Ant0 | 21.98 | 30 | Pass |
| NVNT | g | 2437 | Ant0 | 21.74 | 30 | Pass |
| NVNT | g | 2462 | Ant0 | 21.49 | 30 | Pass |
| NVNT | n20 | 2412 | Ant0 | 17.53 | 30 | Pass |
| NVNT | n20 | 2437 | Ant0 | 18.15 | 30 | Pass |
| NVNT | n20 | 2462 | Ant0 | 17.72 | 30 | Pass |
| NVNT | n40 | 2422 | Ant0 | 18.19 | 30 | Pass |
| NVNT | n40 | 2437 | Ant0 | 17.83 | 30 | Pass |
| NVNT | n40 | 2452 | Ant0 | 17.10 | 30 | Pass |
| NVNT | ax20 | 2412 | Ant0 | 17.11 | 30 | Pass |
| NVNT | ax20 | 2437 | Ant0 | 17.84 | 30 | Pass |
| NVNT | ax20 | 2462 | Ant0 | 17.66 | 30 | Pass |
| NVNT | ax40 | 2422 | Ant0 | 17.87 | 30 | Pass |
| NVNT | ax40 | 2437 | Ant0 | 17.76 | 30 | Pass |
| NVNT | ax40 | 2452 | Ant0 | 17.21 | 30 | Pass |

| Condition | Mode | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-------------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | 22.16 | 30 | Pass |
| NVNT | b | 2437 | Ant1 | 22.27 | 30 | Pass |
| NVNT | b | 2462 | Ant1 | 22.20 | 30 | Pass |
| NVNT | g | 2412 | Ant1 | 21.90 | 30 | Pass |
| NVNT | g | 2437 | Ant1 | 21.11 | 30 | Pass |
| NVNT | g | 2462 | Ant1 | 21.20 | 30 | Pass |
| NVNT | n20 | 2412 | Ant1 | 18.41 | 30 | Pass |
| NVNT | n20 | 2437 | Ant1 | 17.57 | 30 | Pass |
| NVNT | n20 | 2462 | Ant1 | 17.73 | 30 | Pass |
| NVNT | n40 | 2422 | Ant1 | 17.33 | 30 | Pass |
| NVNT | n40 | 2437 | Ant1 | 17.39 | 30 | Pass |
| NVNT | n40 | 2452 | Ant1 | 17.49 | 30 | Pass |
| NVNT | ax20 | 2412 | Ant1 | 16.11 | 30 | Pass |
| NVNT | ax20 | 2437 | Ant1 | 16.26 | 30 | Pass |
| NVNT | ax20 | 2462 | Ant1 | 16.49 | 30 | Pass |
| NVNT | ax40 | 2422 | Ant1 | 16.88 | 30 | Pass |
| NVNT | ax40 | 2437 | Ant1 | 16.59 | 30 | Pass |
| NVNT | ax40 | 2452 | Ant1 | 16.08 | 30 | Pass |



Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity



MIMO

| Condition | Mode | Frequency (MHz) | Total Power (dBm) | | | Limit (dBm) | Verdict |
|-----------|-------|-----------------|-------------------|-------|-----------|-------------|---------|
| | | | Ant0 | Ant1 | Ant0+Ant1 | | |
| NVNT | n20 | 2412 | 17.53 | 18.41 | 21.00 | 30 | Pass |
| NVNT | n20 | 2437 | 18.15 | 17.57 | 20.88 | 30 | Pass |
| NVNT | n20 | 2462 | 17.72 | 17.73 | 20.74 | 30 | Pass |
| NVNT | n40 | 2422 | 18.19 | 17.33 | 20.79 | 30 | Pass |
| NVNT | n40 | 2437 | 17.83 | 17.39 | 20.63 | 30 | Pass |
| NVNT | n40 | 2452 | 17.10 | 17.49 | 20.31 | 30 | Pass |
| NVNT | ax20 | 2412 | 17.11 | 16.11 | 19.65 | 30 | Pass |
| NVNT | ax 20 | 2437 | 17.84 | 16.26 | 20.13 | 30 | Pass |
| NVNT | ax 20 | 2462 | 17.66 | 16.49 | 20.12 | 30 | Pass |
| NVNT | ax 40 | 2422 | 17.87 | 16.88 | 20.41 | 30 | Pass |
| NVNT | ax 40 | 2437 | 17.76 | 16.59 | 20.22 | 30 | Pass |
| NVNT | ax 40 | 2452 | 17.21 | 16.08 | 19.69 | 30 | Pass |



Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity



A.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|----------------------|------------------|---------|
| NVNT | b | 2412 | Ant0 | -6.71 | 8 | Pass |
| NVNT | b | 2437 | Ant0 | -5.2 | 8 | Pass |
| NVNT | b | 2462 | Ant0 | -4.67 | 8 | Pass |
| NVNT | g | 2412 | Ant0 | -11.26 | 8 | Pass |
| NVNT | g | 2437 | Ant0 | -10.02 | 8 | Pass |
| NVNT | g | 2462 | Ant0 | -7.85 | 8 | Pass |
| NVNT | n20 | 2412 | Ant0 | -12.7 | 8 | Pass |
| NVNT | n20 | 2437 | Ant0 | -11.08 | 8 | Pass |
| NVNT | n20 | 2462 | Ant0 | -10.42 | 8 | Pass |
| NVNT | n40 | 2422 | Ant0 | -15.22 | 8 | Pass |
| NVNT | n40 | 2437 | Ant0 | -8.38 | 8 | Pass |
| NVNT | n40 | 2452 | Ant0 | -14.66 | 8 | Pass |
| NVNT | ax20 | 2412 | Ant0 | -11.33 | 8 | Pass |
| NVNT | ax20 | 2437 | Ant0 | -12.74 | 8 | Pass |
| NVNT | ax20 | 2462 | Ant0 | -10.89 | 8 | Pass |
| NVNT | ax40 | 2422 | Ant0 | -15.92 | 8 | Pass |
| NVNT | ax40 | 2437 | Ant0 | -14.85 | 8 | Pass |
| NVNT | ax40 | 2452 | Ant0 | -14.68 | 8 | Pass |

| Condition | Mode | Frequency (MHz) | Antenna | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|------|-----------------|---------|----------------------|------------------|---------|
| NVNT | b | 2412 | Ant1 | -3.59 | 8 | Pass |
| NVNT | b | 2437 | Ant1 | -5.53 | 8 | Pass |
| NVNT | b | 2462 | Ant1 | -5.52 | 8 | Pass |
| NVNT | g | 2412 | Ant1 | -10.17 | 8 | Pass |
| NVNT | g | 2437 | Ant1 | -8.3 | 8 | Pass |
| NVNT | g | 2462 | Ant1 | -8.51 | 8 | Pass |
| NVNT | n20 | 2412 | Ant1 | -11.29 | 8 | Pass |
| NVNT | n20 | 2437 | Ant1 | -11.17 | 8 | Pass |
| NVNT | n20 | 2462 | Ant1 | -11.35 | 8 | Pass |
| NVNT | n40 | 2422 | Ant1 | -14.24 | 8 | Pass |
| NVNT | n40 | 2437 | Ant1 | -13.39 | 8 | Pass |
| NVNT | n40 | 2452 | Ant1 | -12.76 | 8 | Pass |
| NVNT | ax20 | 2412 | Ant1 | -12.84 | 8 | Pass |
| NVNT | ax20 | 2437 | Ant1 | -12.03 | 8 | Pass |
| NVNT | ax20 | 2462 | Ant1 | -10.34 | 8 | Pass |
| NVNT | ax40 | 2422 | Ant1 | -16.18 | 8 | Pass |
| NVNT | ax40 | 2437 | Ant1 | -15.51 | 8 | Pass |
| NVNT | ax40 | 2452 | Ant1 | -14.59 | 8 | Pass |



Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity



MIMO

| Condition | Mode | Frequency (MHz) | Total PSD (dBm/3kHz) | | | Limit (dBm) | Verdict |
|-----------|-------|-----------------|----------------------|--------|-----------|-------------|---------|
| | | | Ant0 | Ant1 | Ant0+Ant1 | | |
| NVNT | n20 | 2412 | -12.7 | -11.29 | -8.93 | 5.53 | Pass |
| NVNT | n20 | 2437 | -11.08 | -11.17 | -8.11 | 5.53 | Pass |
| NVNT | n20 | 2462 | -10.42 | -11.35 | -7.85 | 5.53 | Pass |
| NVNT | n40 | 2422 | -15.22 | -14.24 | -11.69 | 5.53 | Pass |
| NVNT | n40 | 2437 | -8.38 | -13.39 | -7.19 | 5.53 | Pass |
| NVNT | n40 | 2452 | -14.66 | -12.76 | -10.60 | 5.53 | Pass |
| NVNT | ax20 | 2412 | -11.33 | -12.84 | -9.01 | 5.53 | Pass |
| NVNT | ax 20 | 2437 | -12.74 | -12.03 | -9.36 | 5.53 | Pass |
| NVNT | ax 20 | 2462 | -10.89 | -10.34 | -7.60 | 5.53 | Pass |
| NVNT | ax 40 | 2422 | -15.92 | -16.18 | -13.04 | 5.53 | Pass |
| NVNT | ax 40 | 2437 | -14.85 | -15.51 | -12.16 | 5.53 | Pass |
| NVNT | ax 40 | 2452 | -14.68 | -14.59 | -11.62 | 5.53 | Pass |

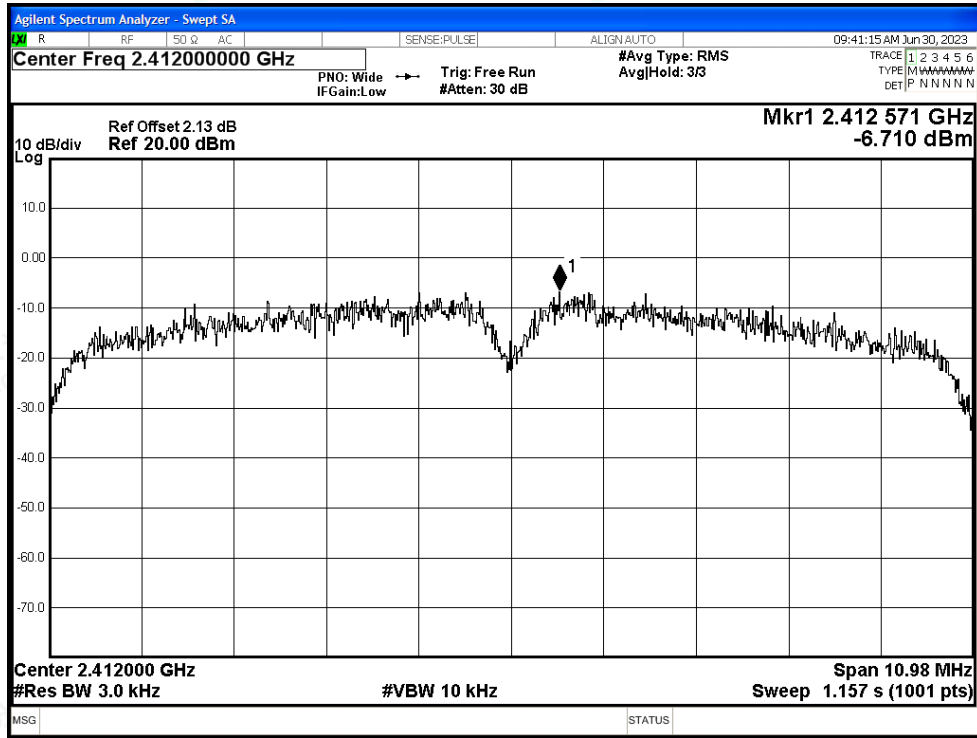


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

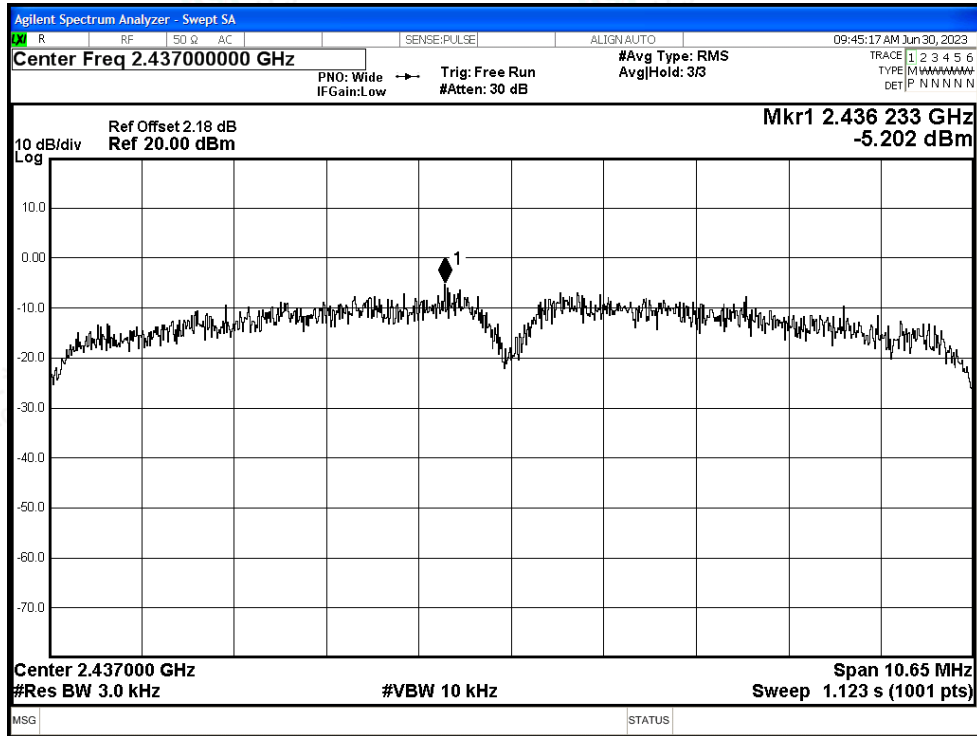


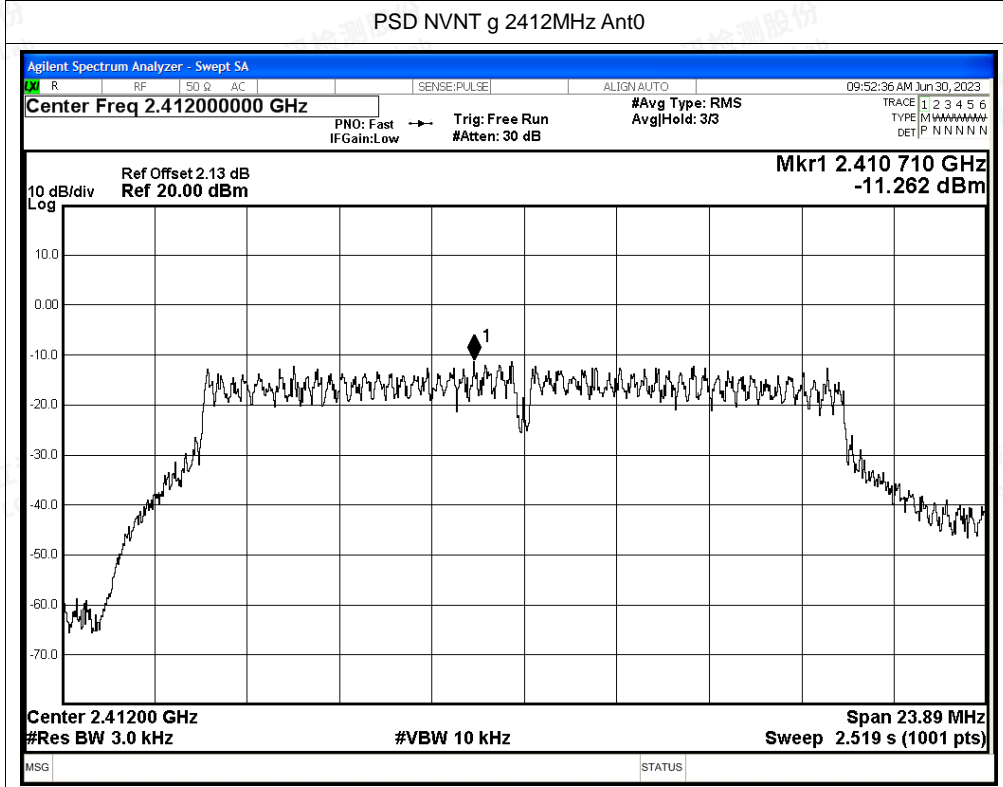
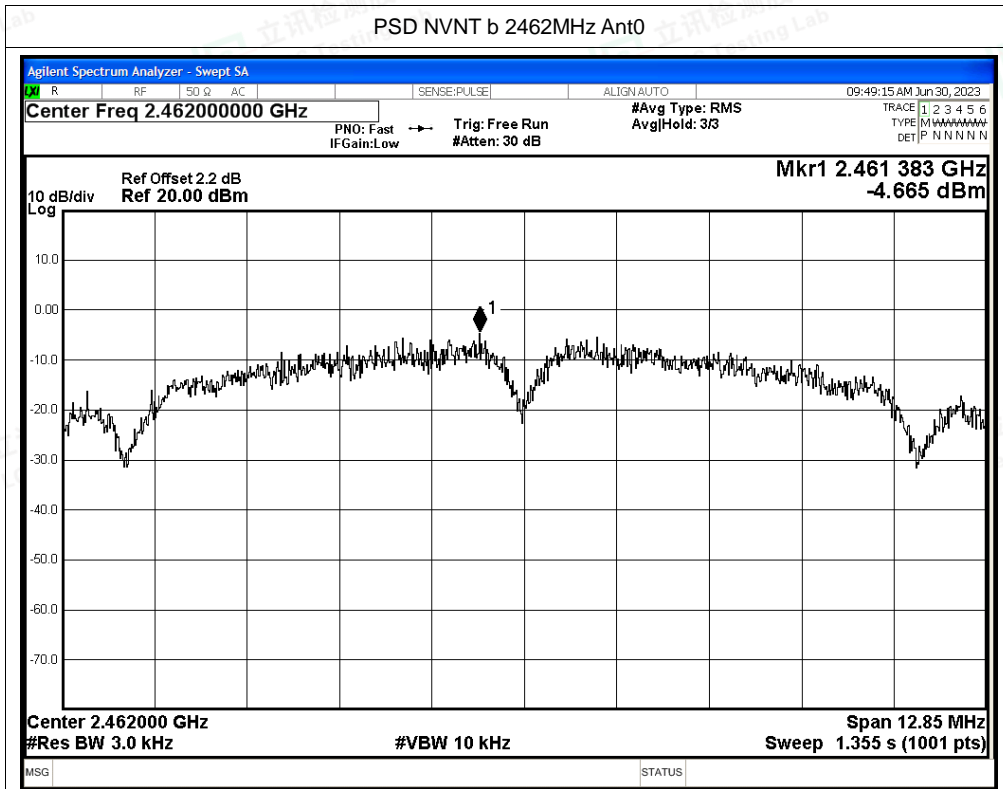
Test Graphs

PSD NVNT b 2412MHz Ant0



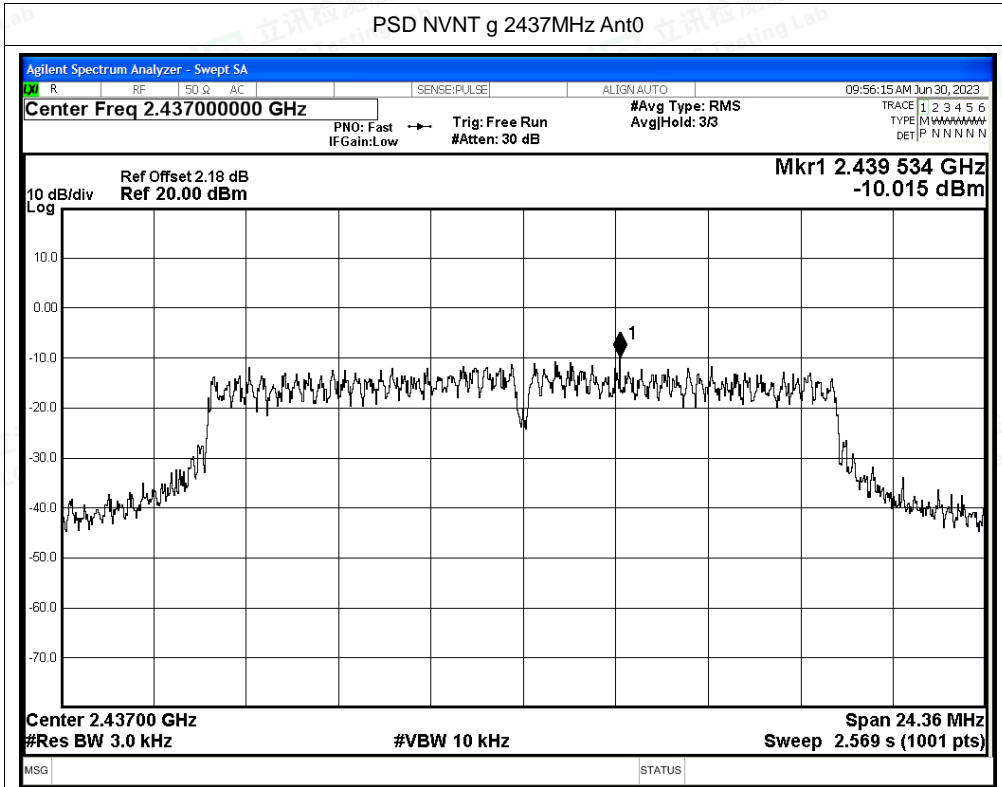
PSD NVNT b 2437MHz Ant0



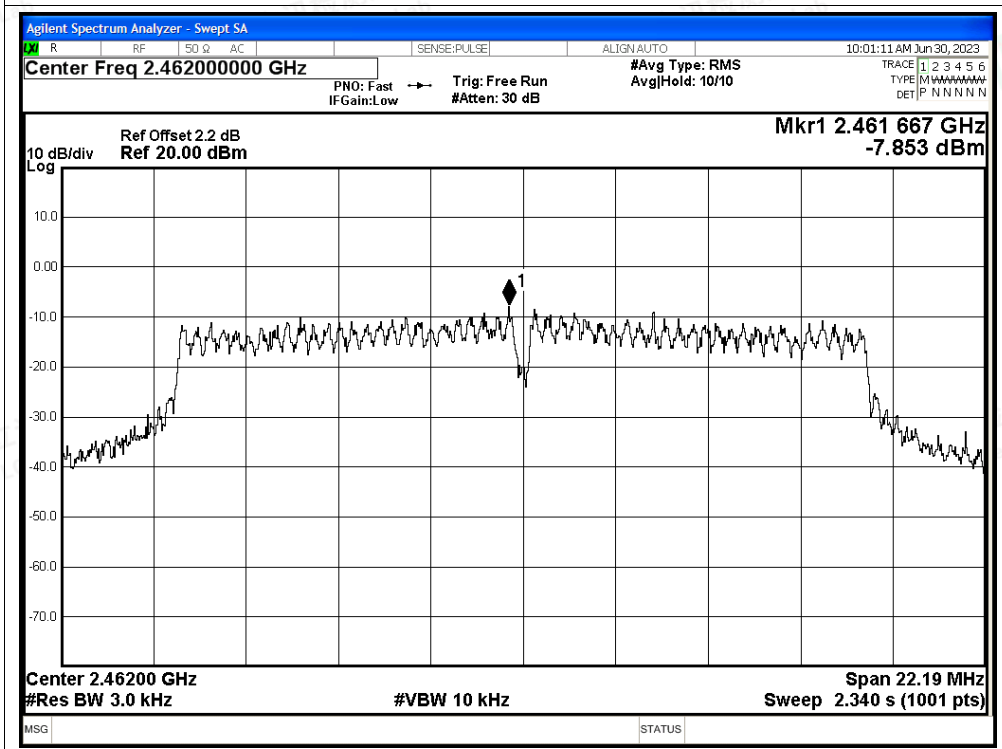


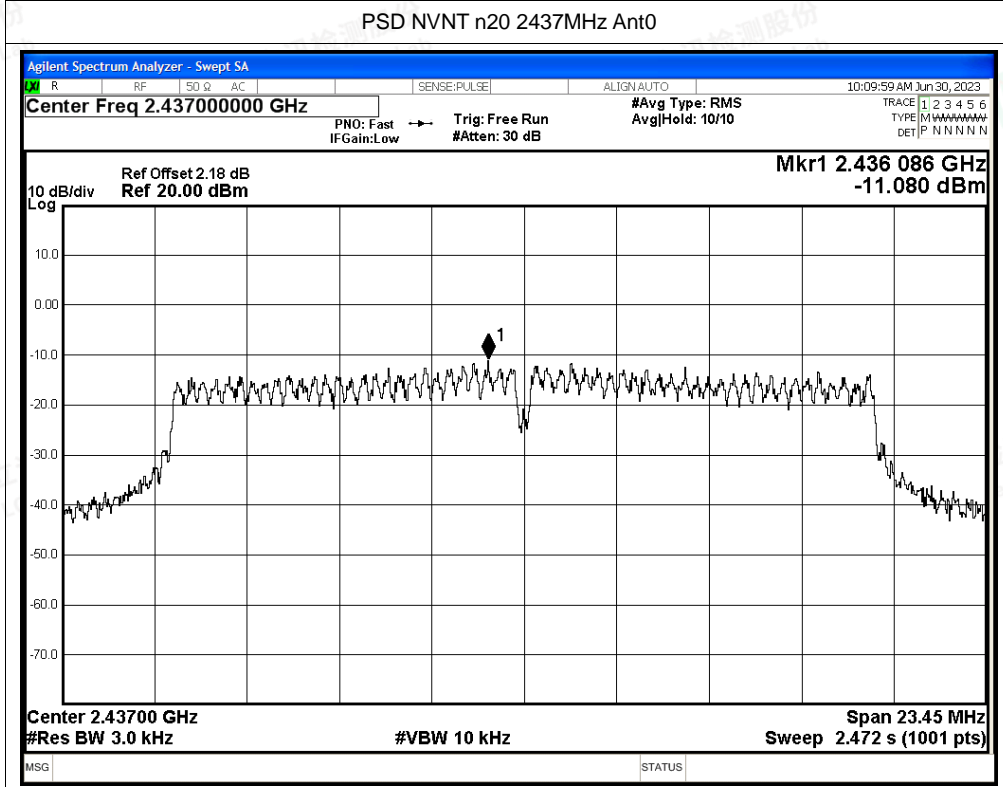
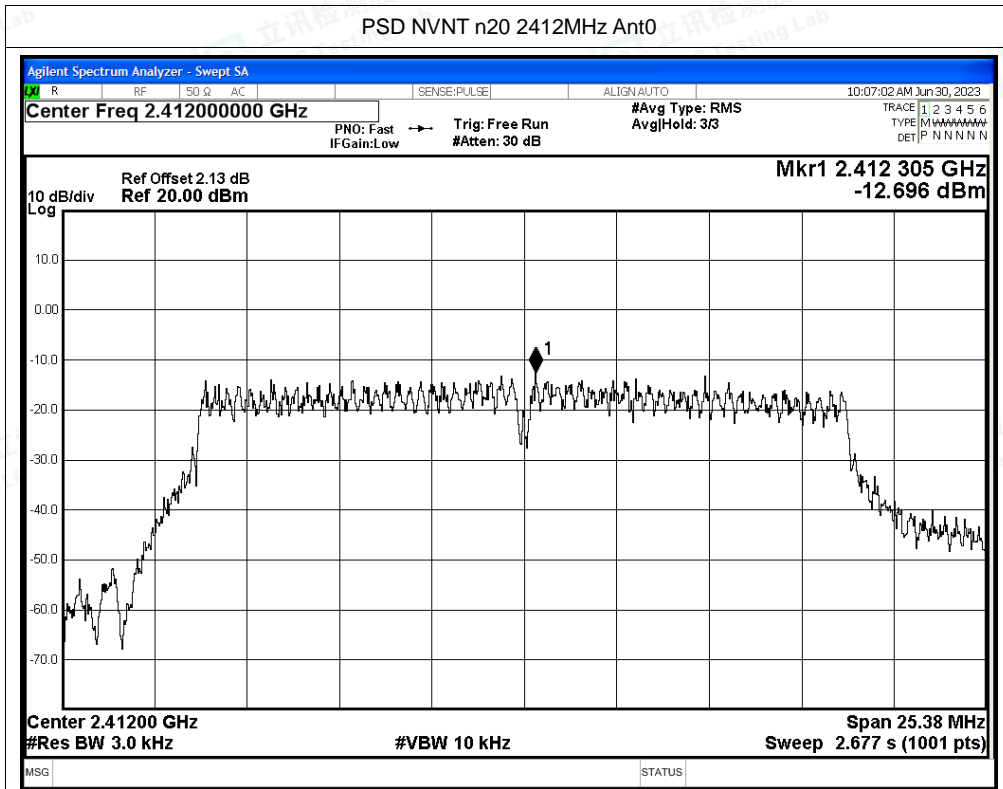


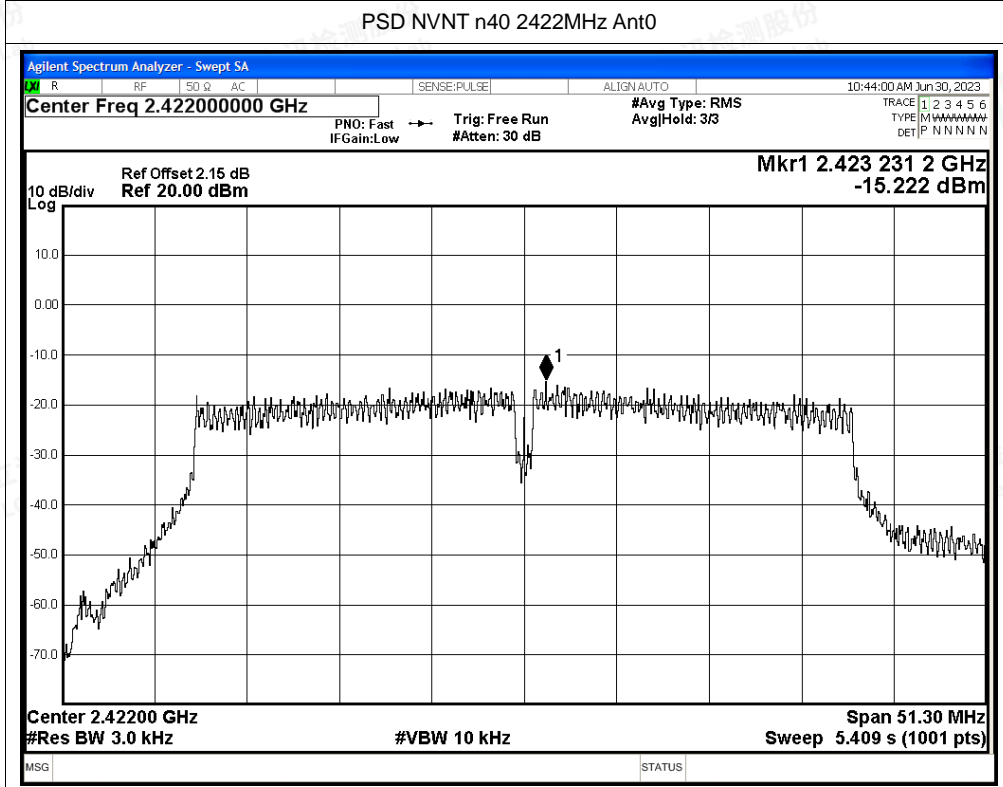
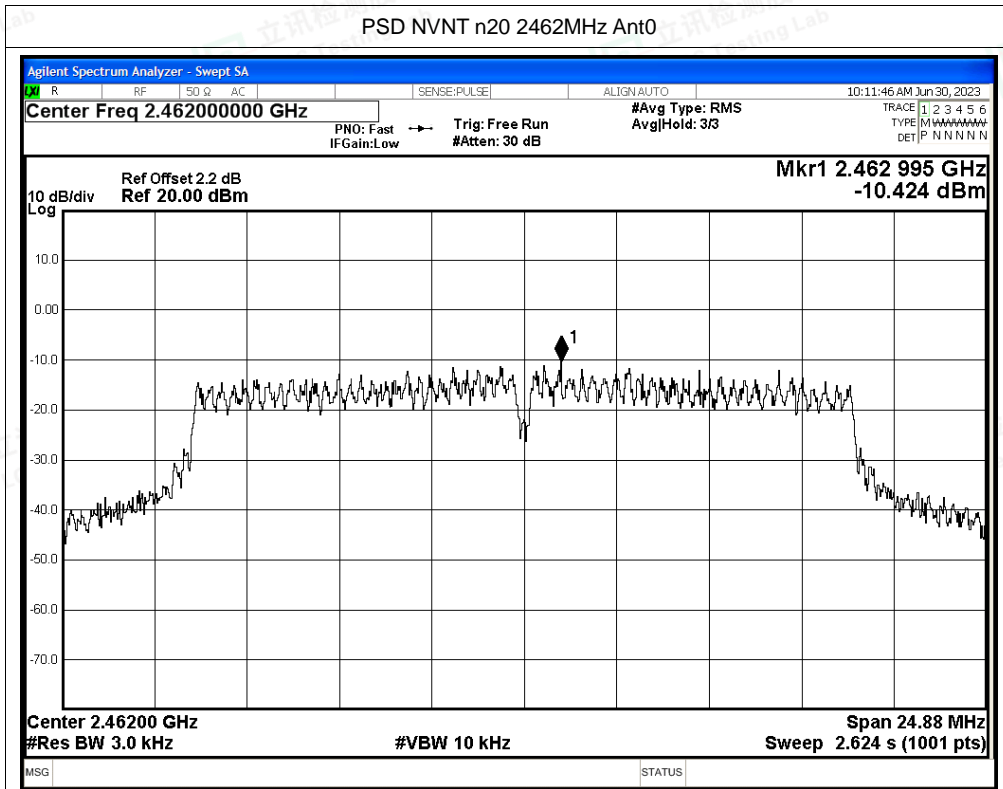
PSD NVNT g 2437MHz Ant0

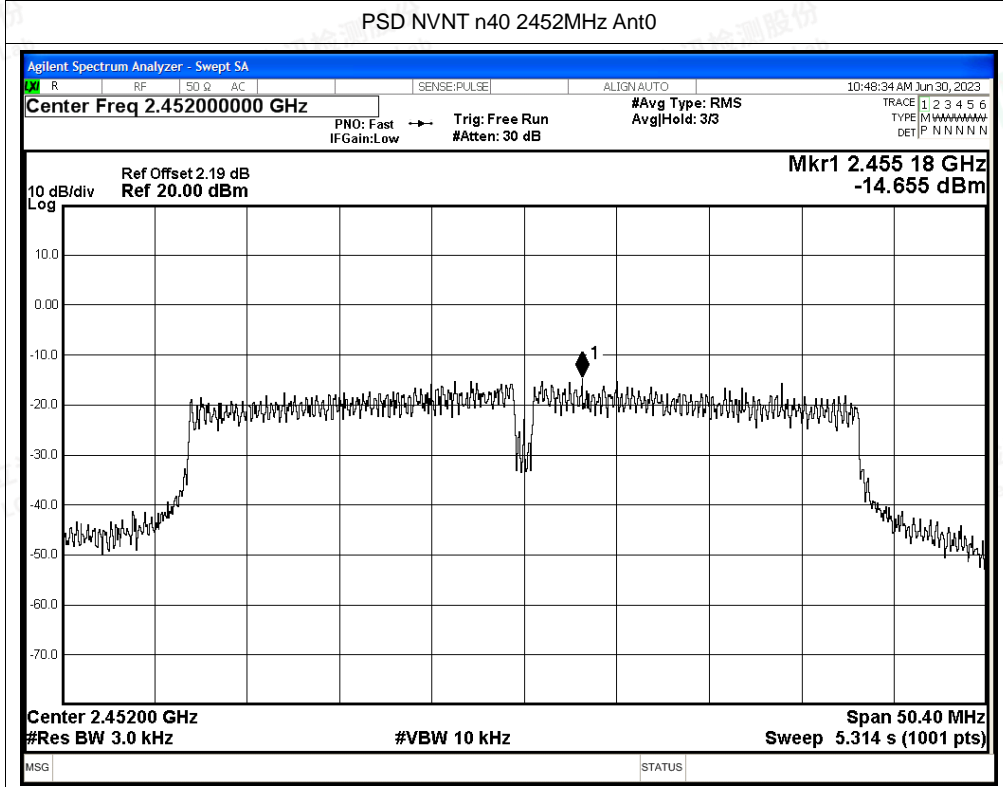
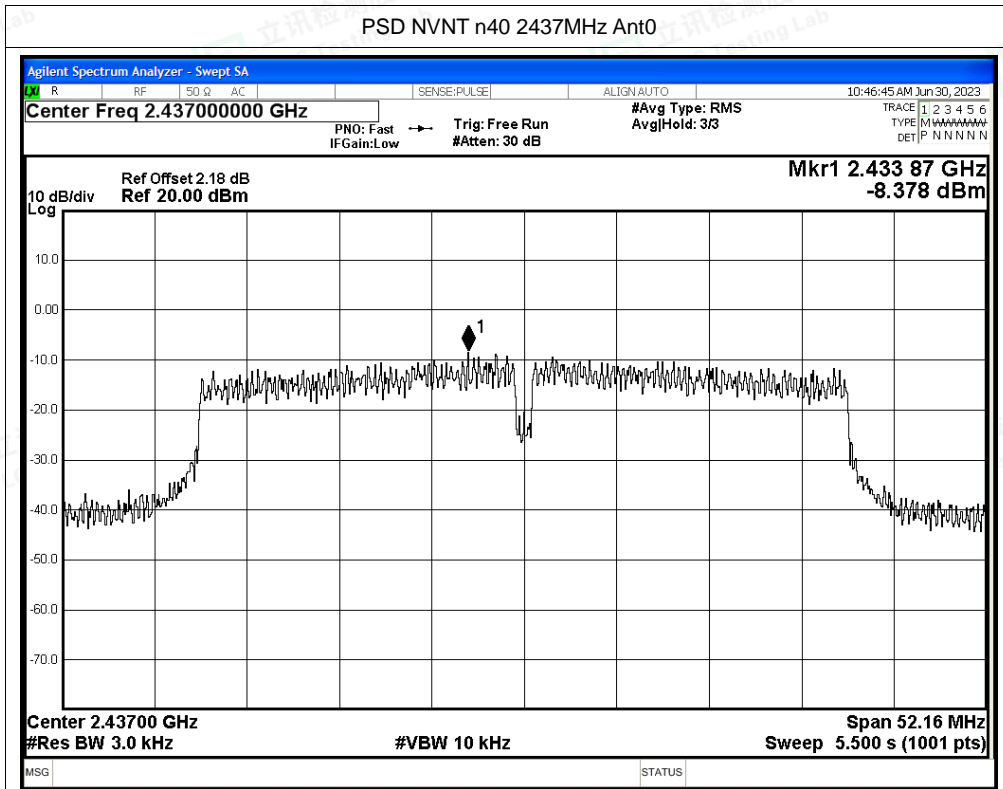


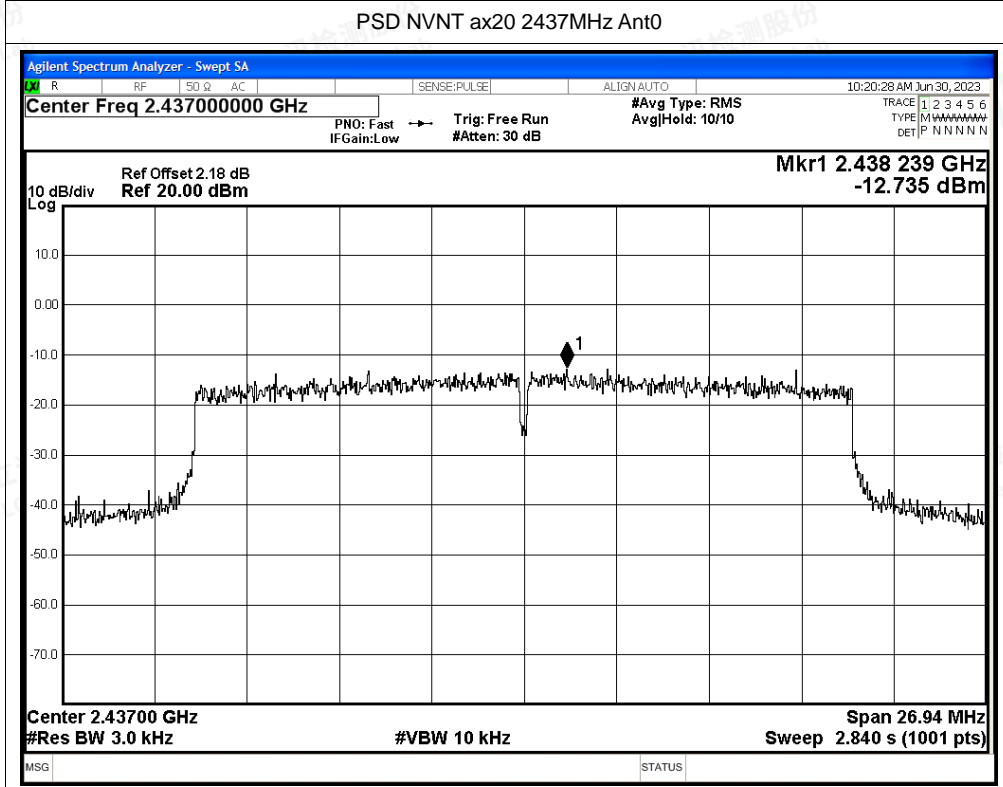
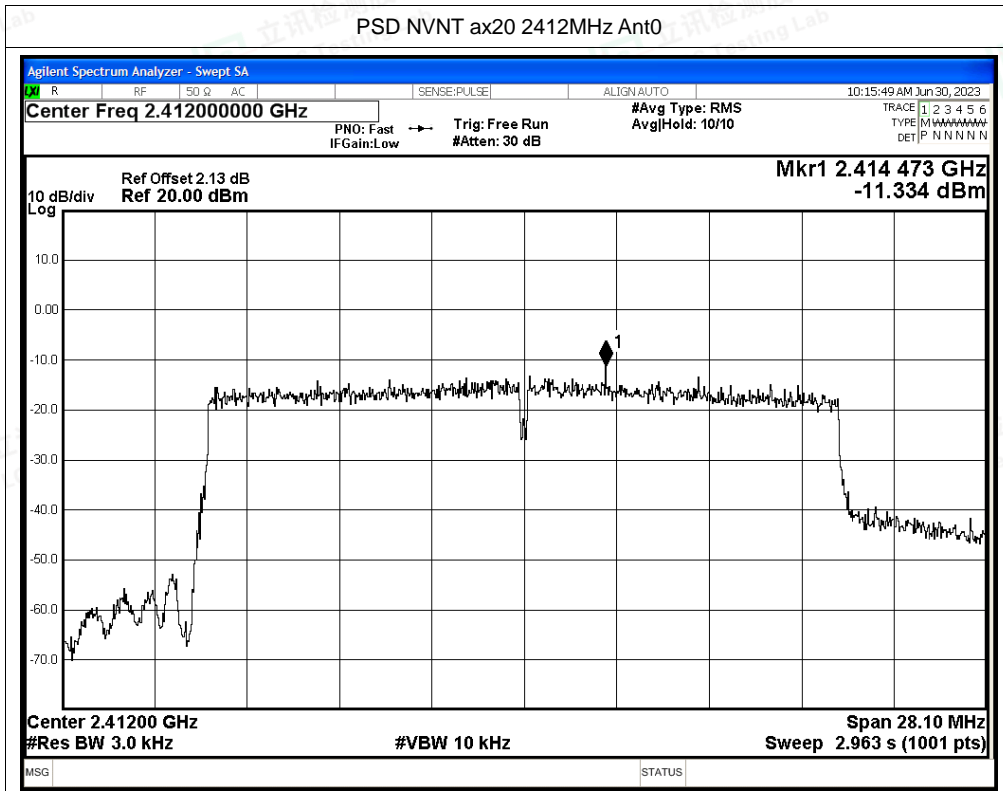
PSD NVNT g 2462MHz Ant0

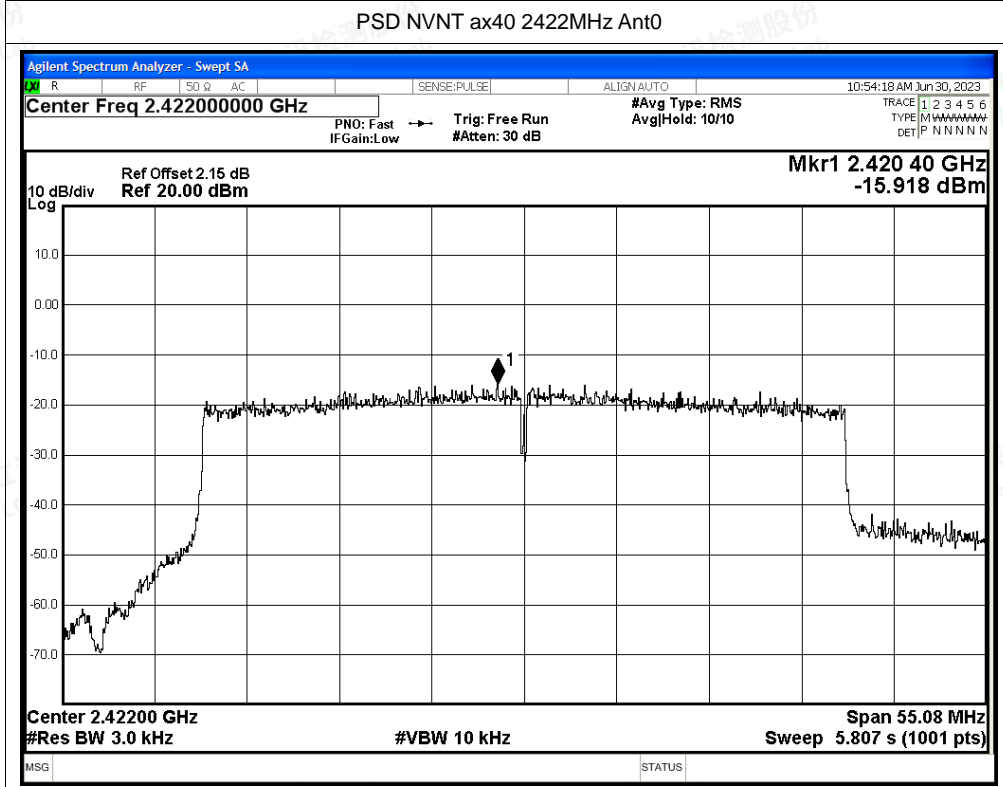
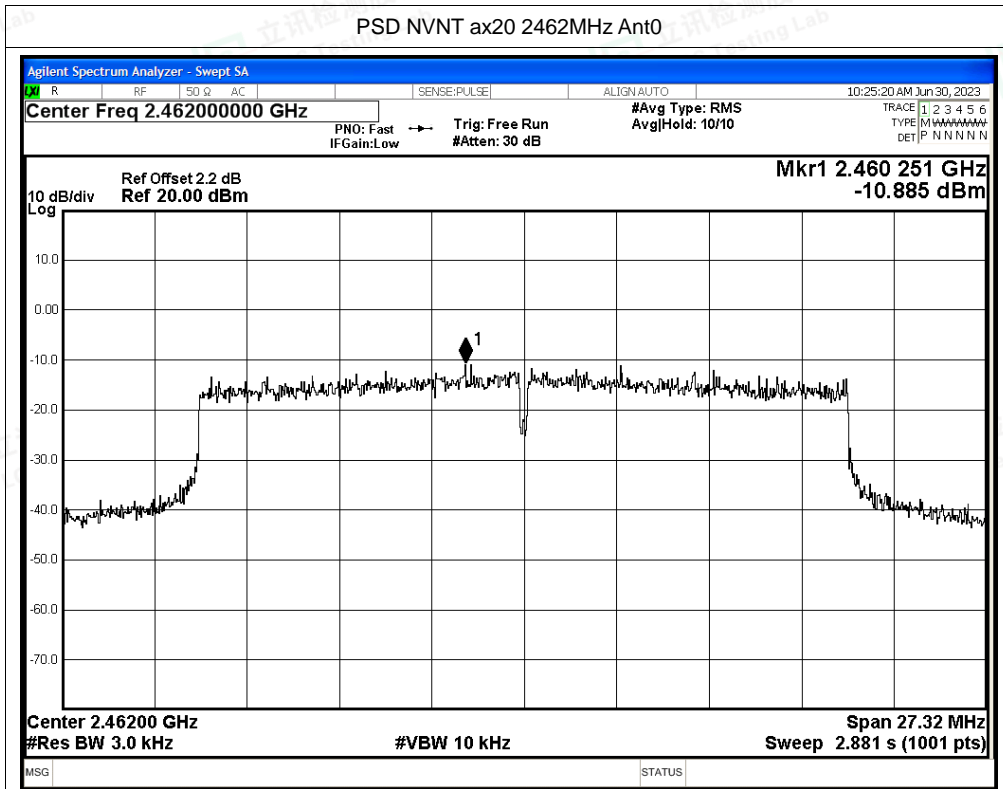


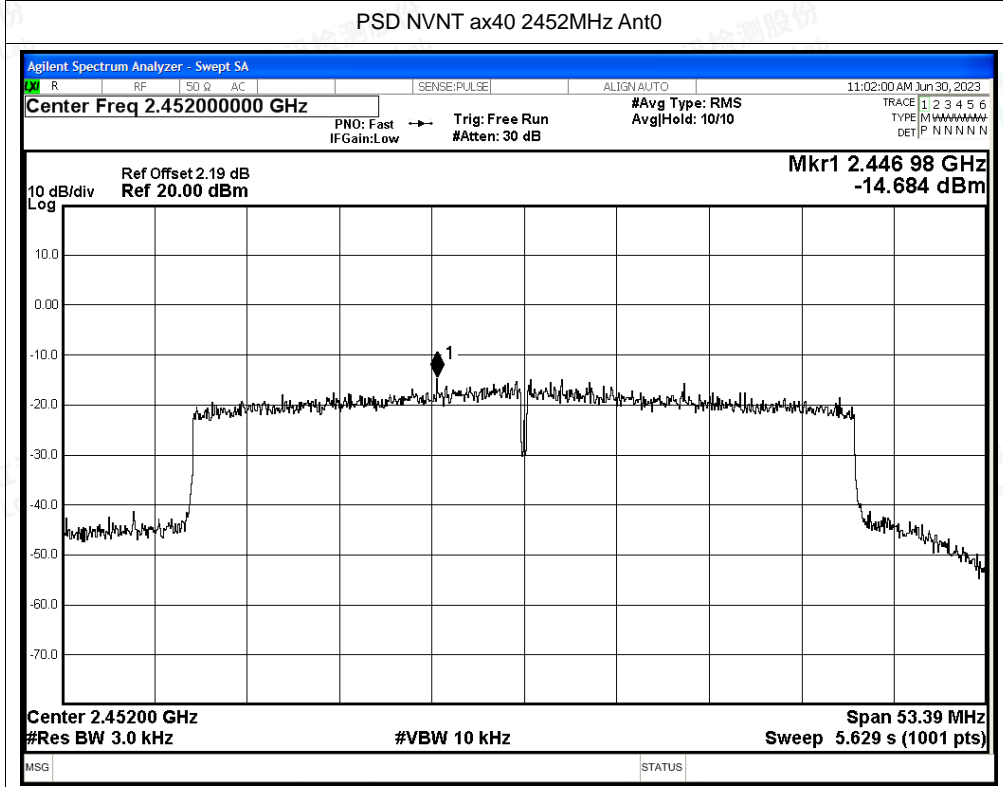
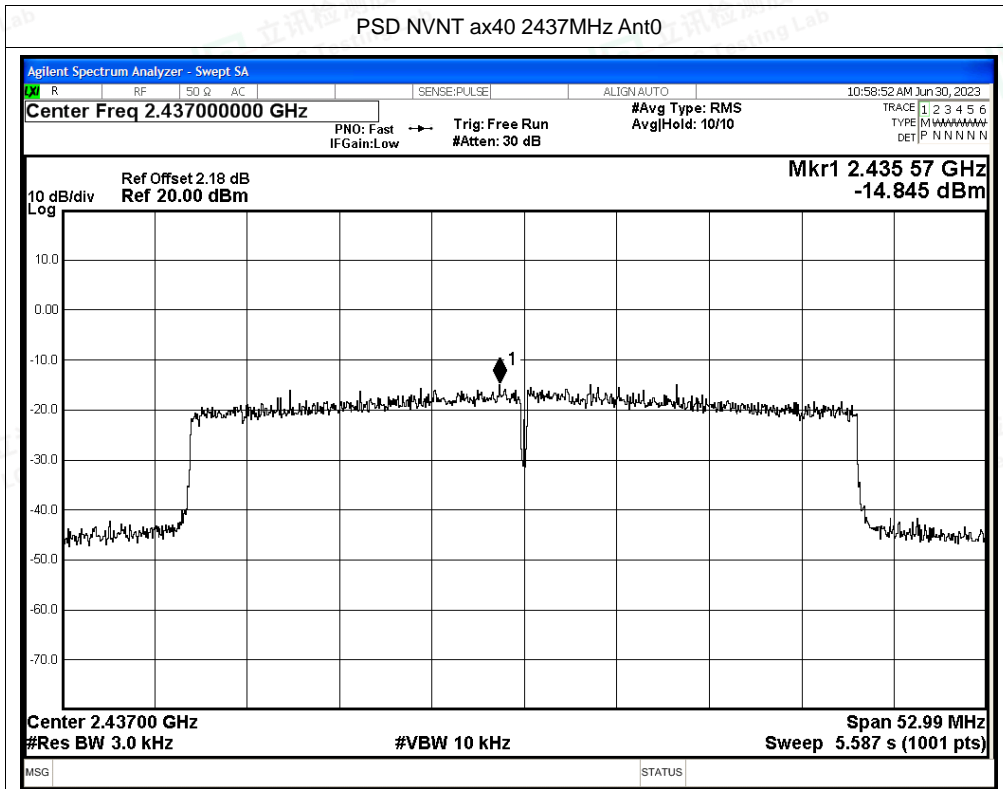








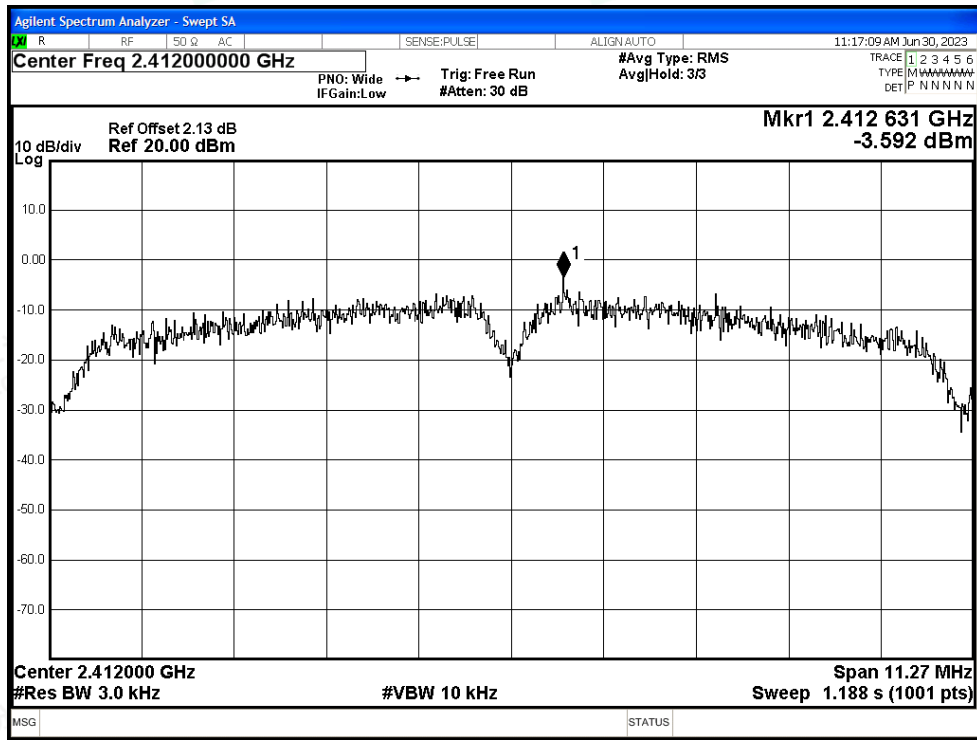




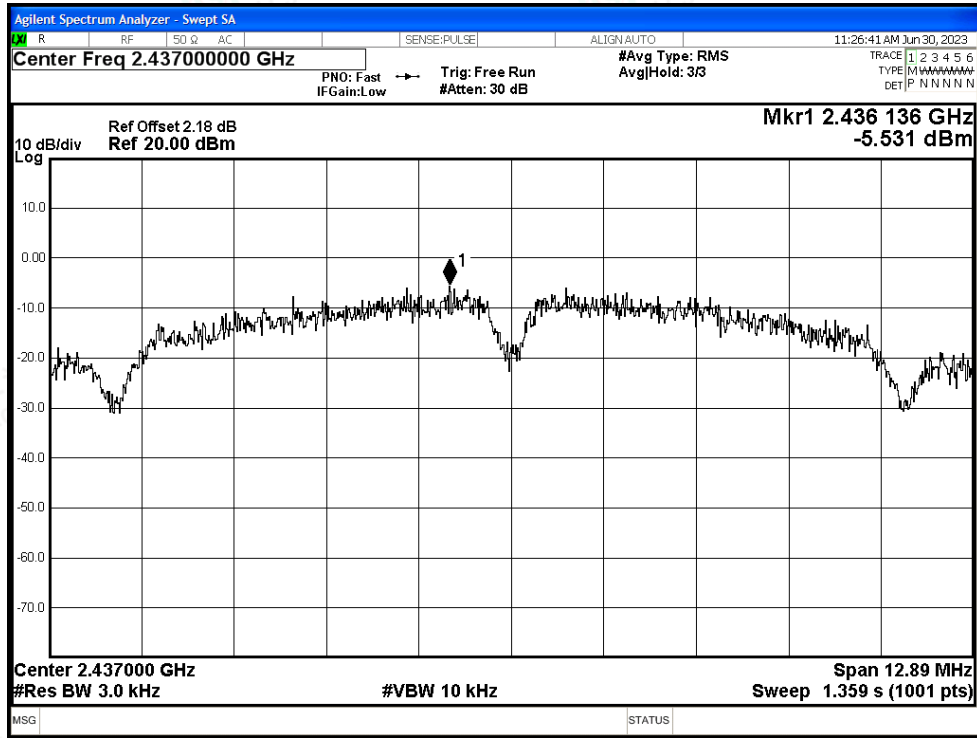


Test Graphs

PSD NVNT b 2412MHz Ant1

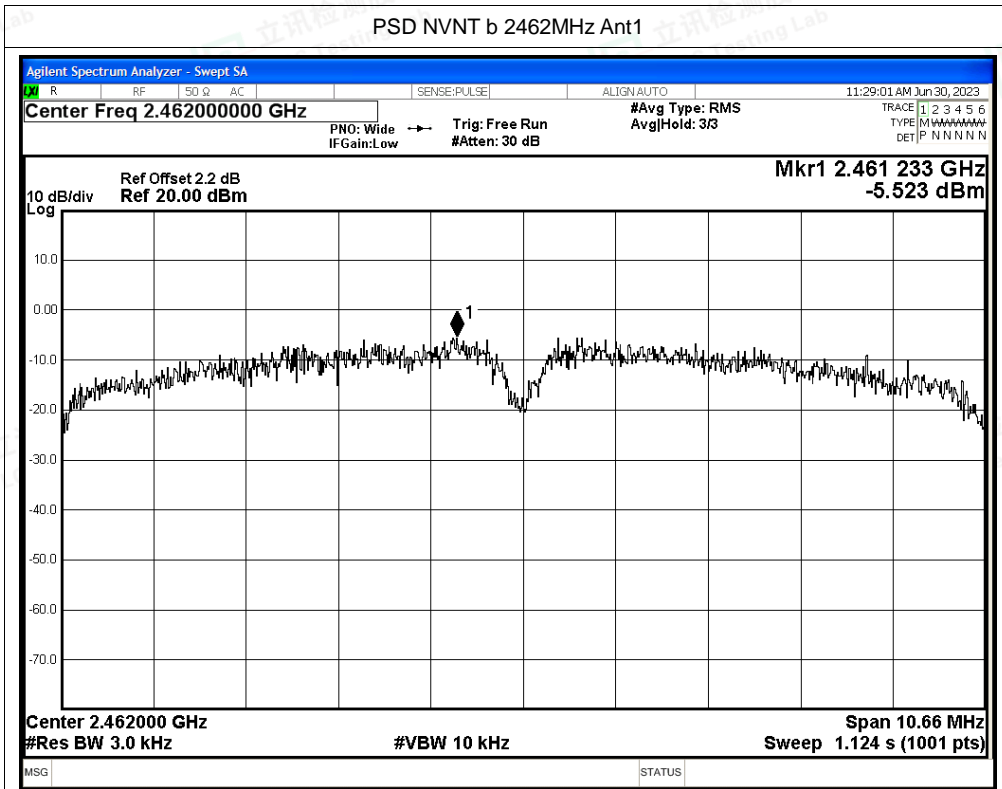


PSD NVNT b 2437MHz Ant1

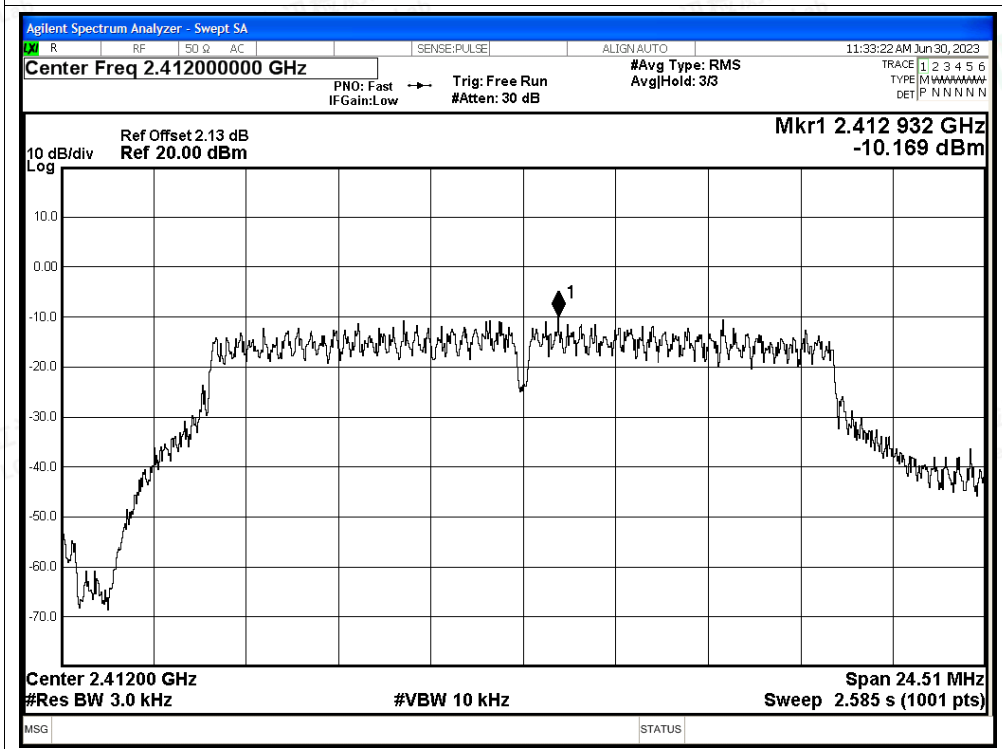




PSD NVNT b 2462MHz Ant1

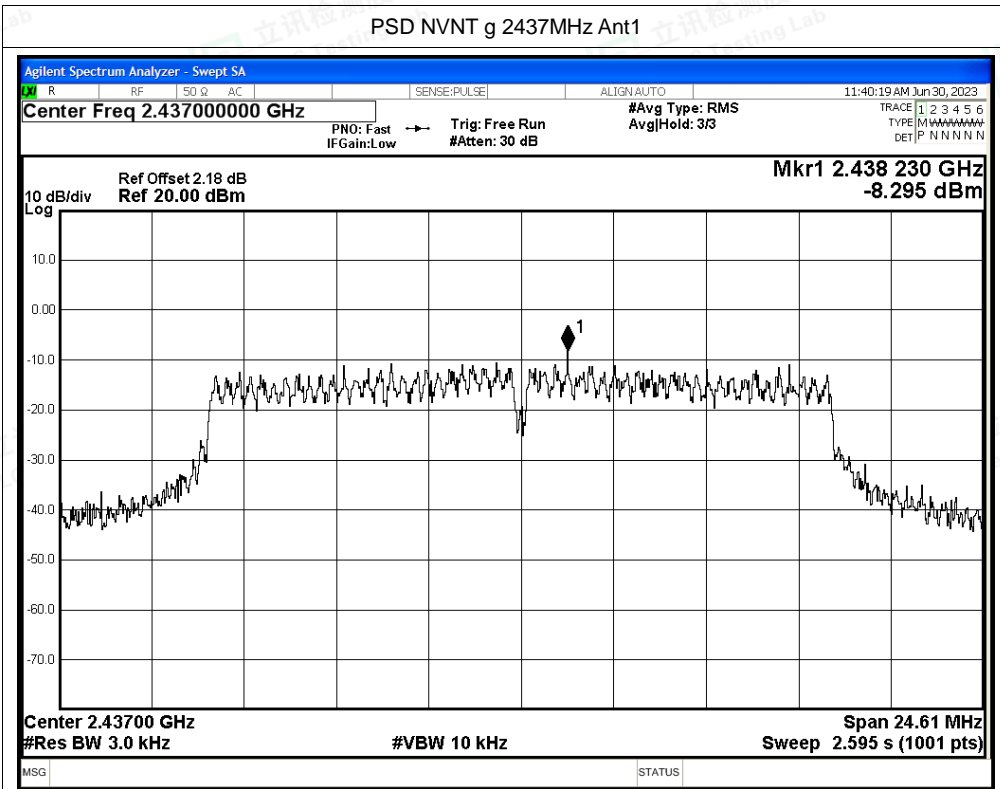


PSD NVNT g 2412MHz Ant1

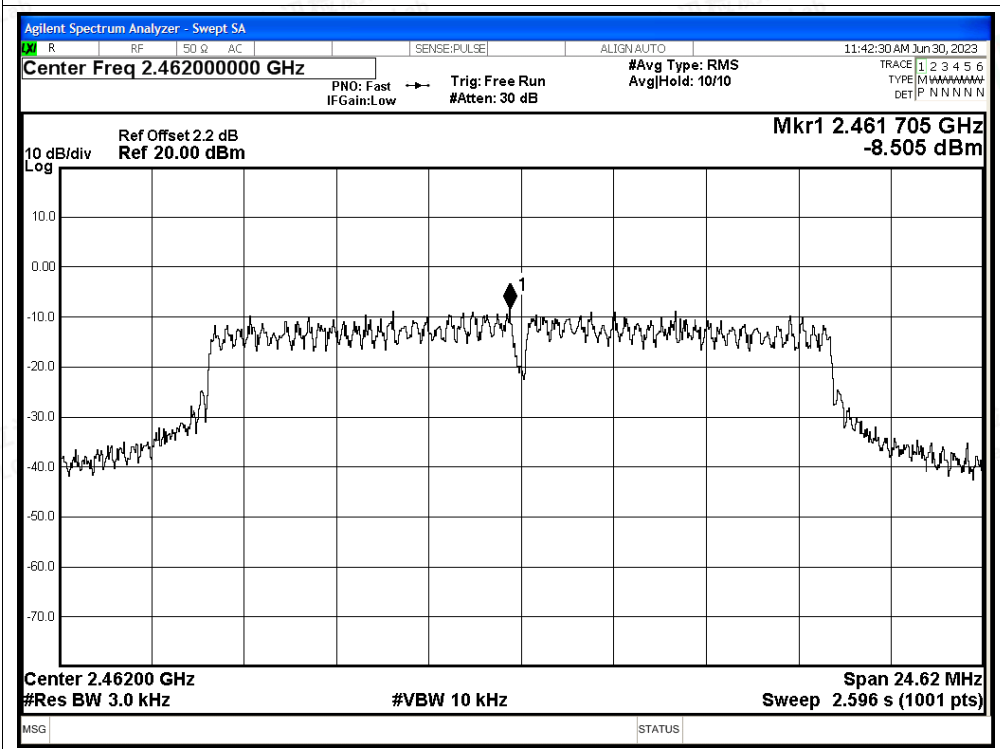


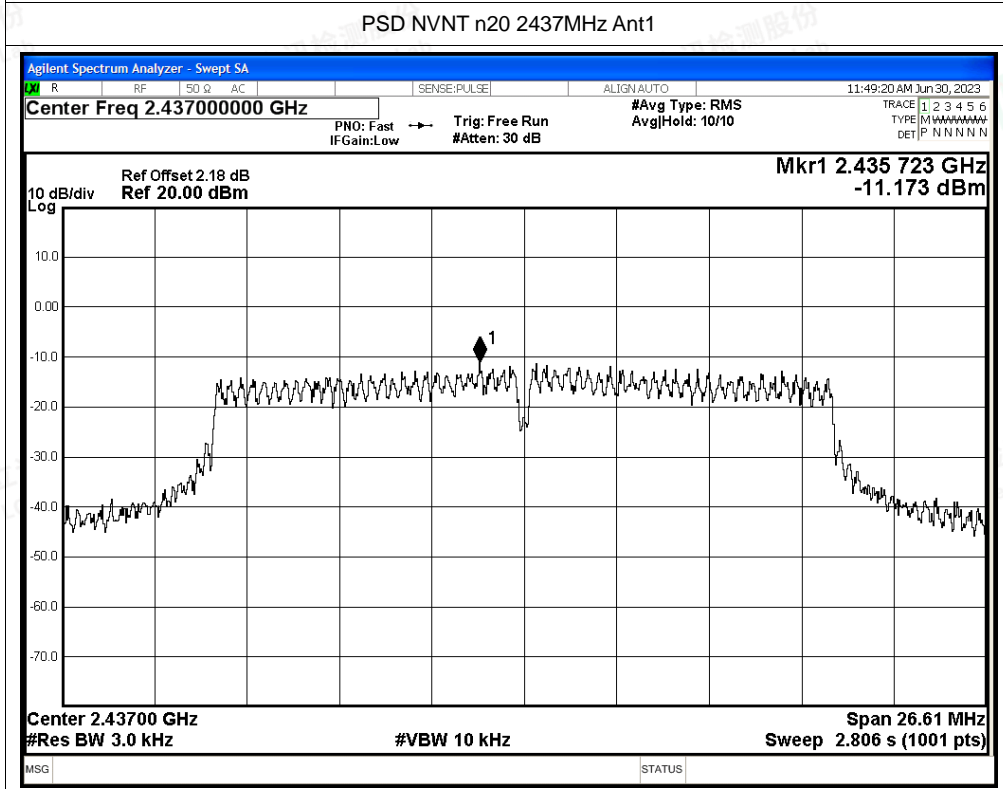
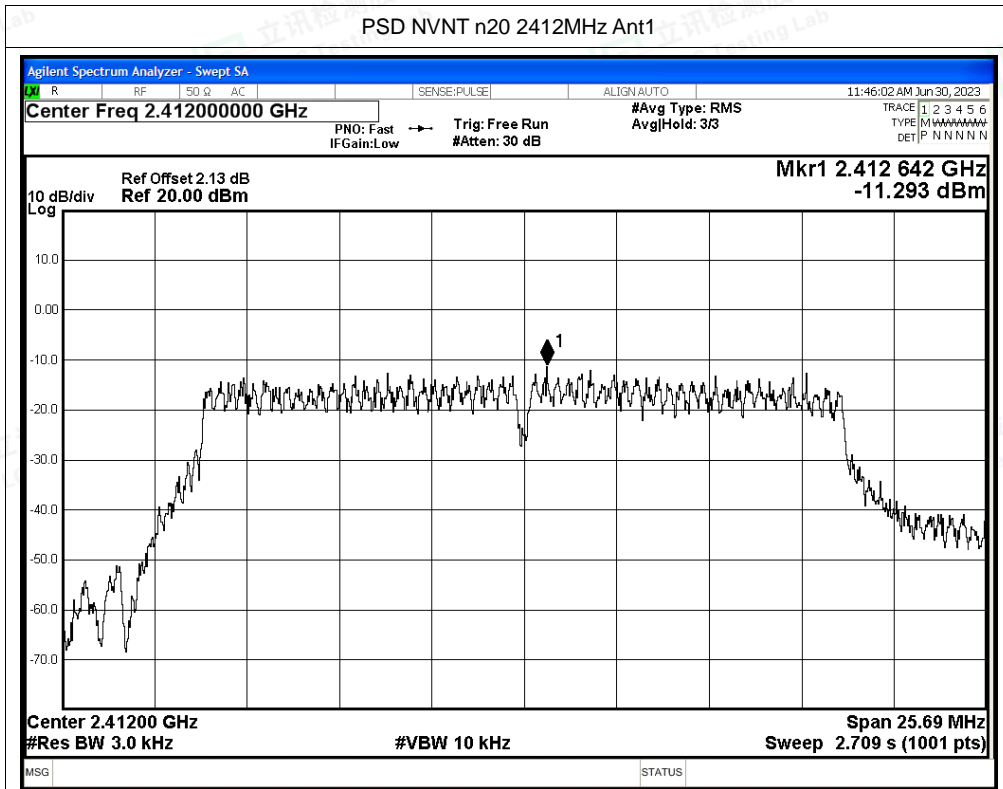


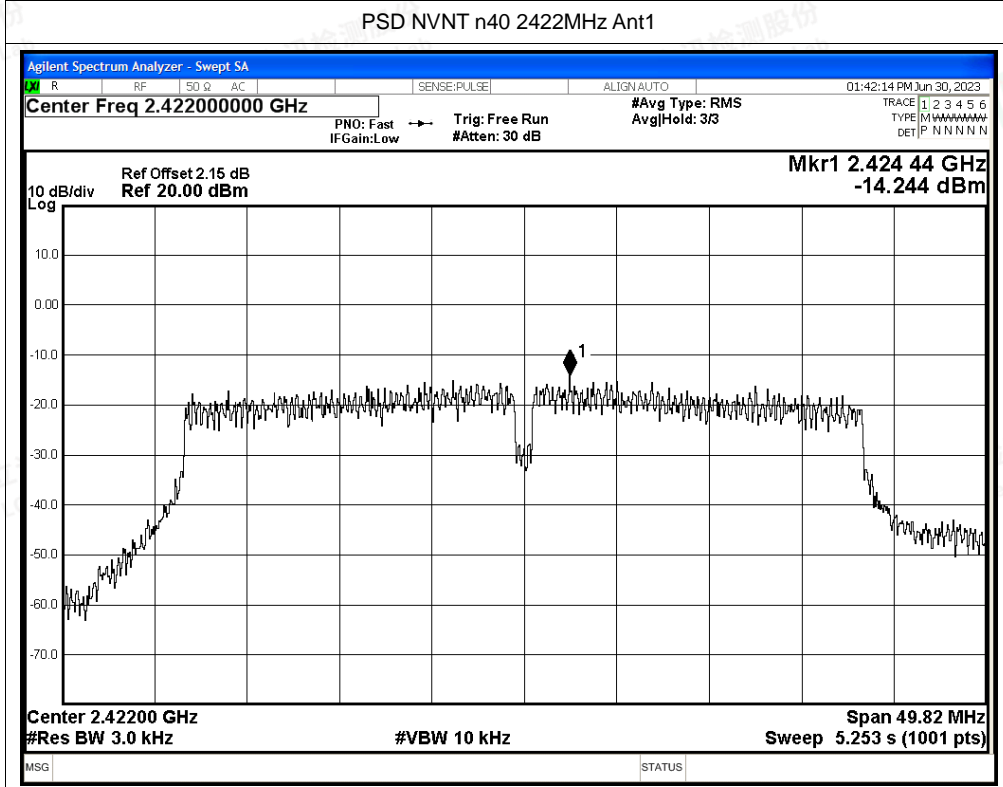
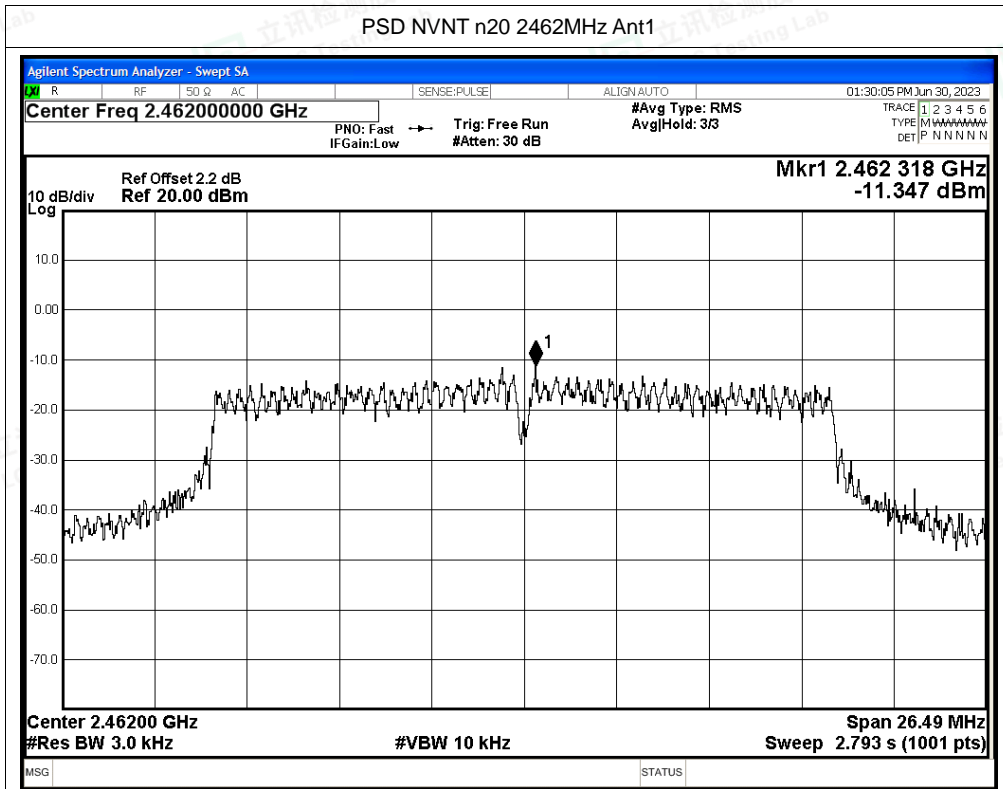
PSD NVNT g 2437MHz Ant1

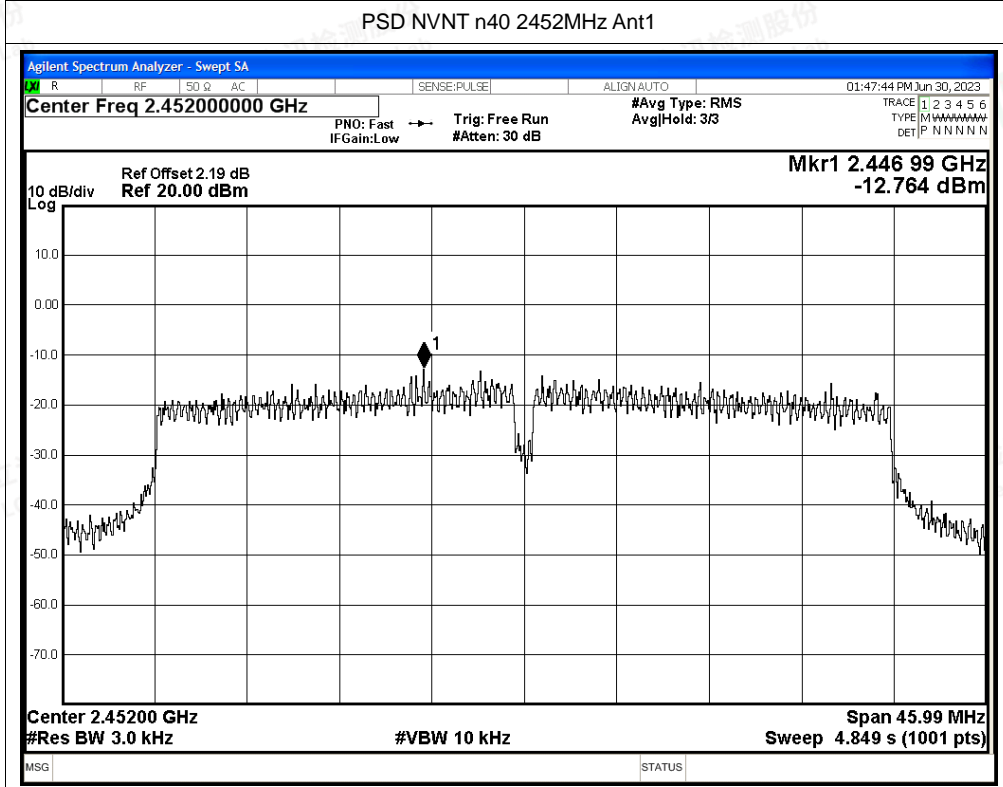
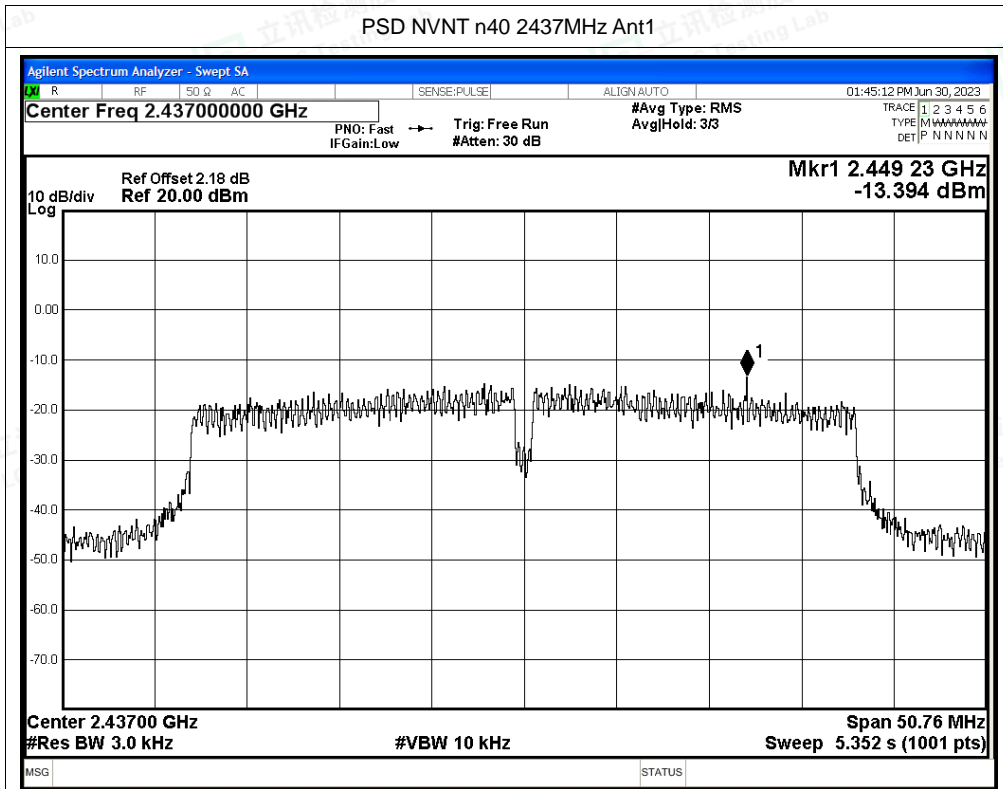


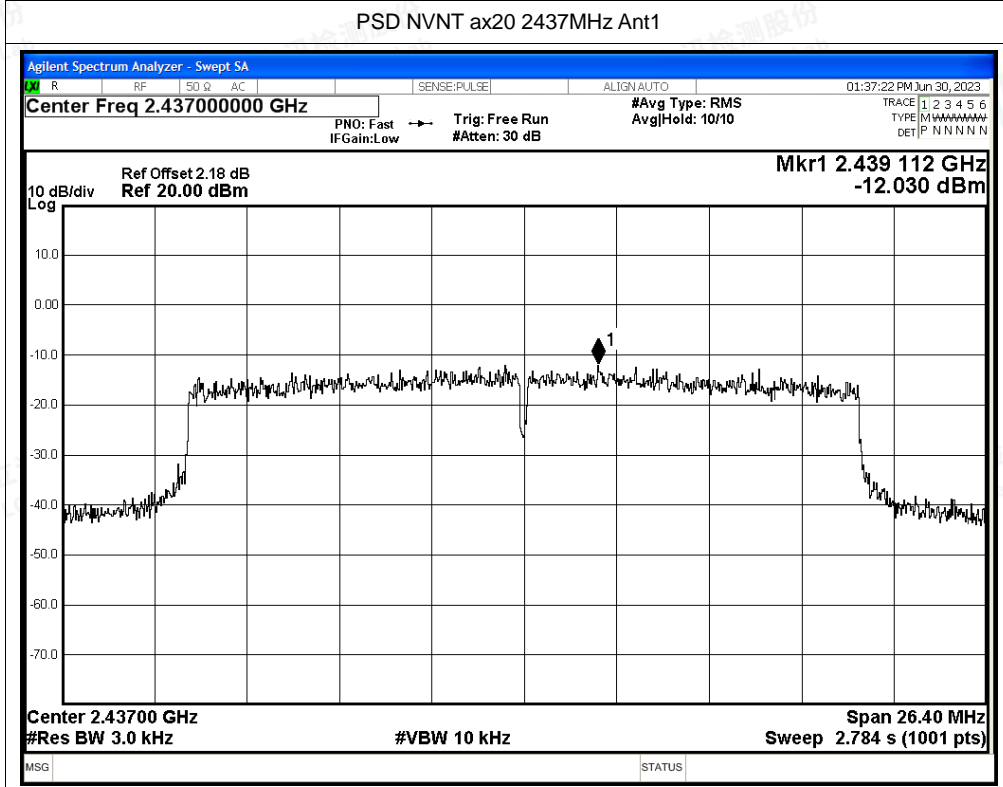
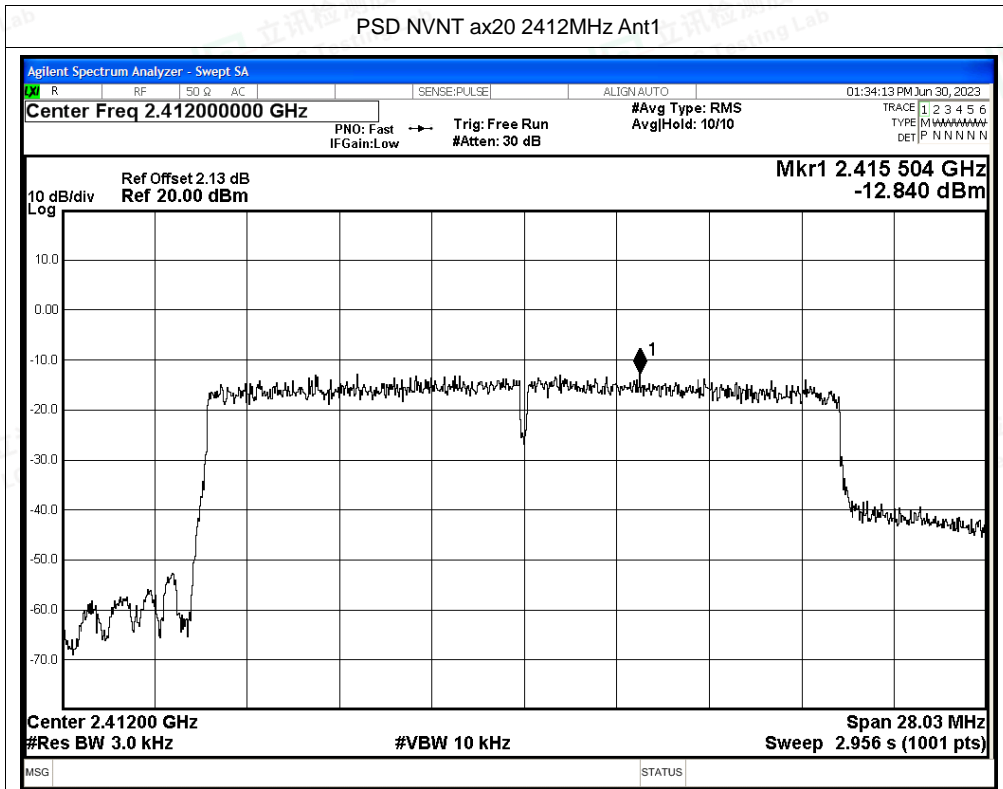
PSD NVNT g 2462MHz Ant1

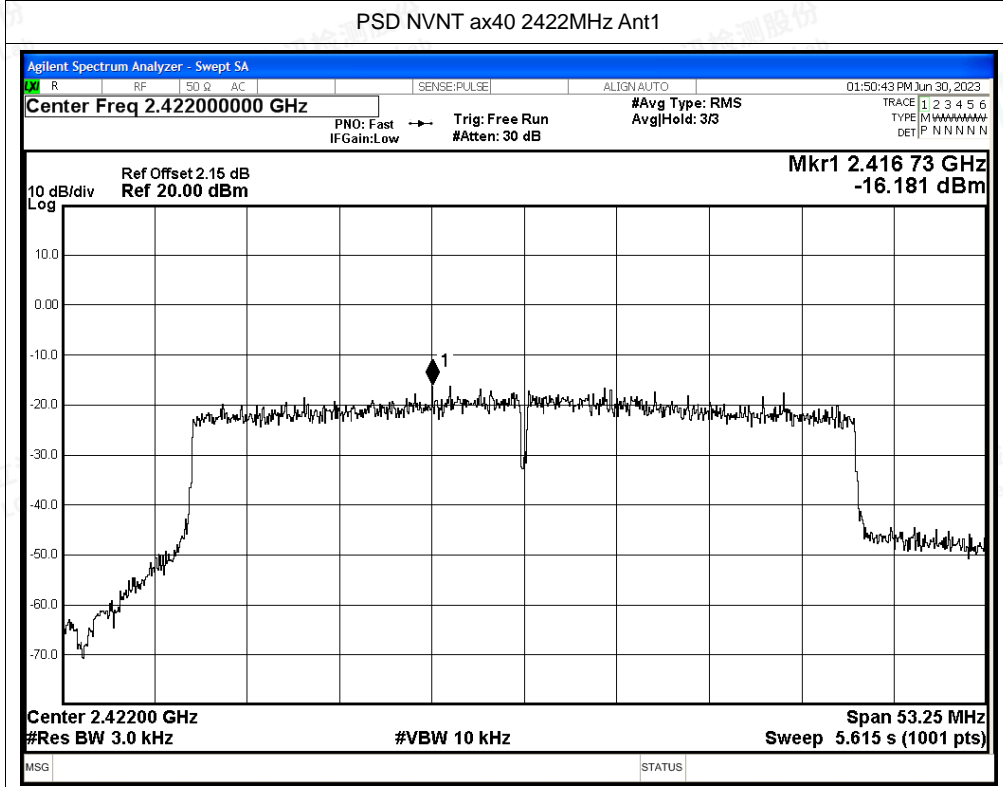
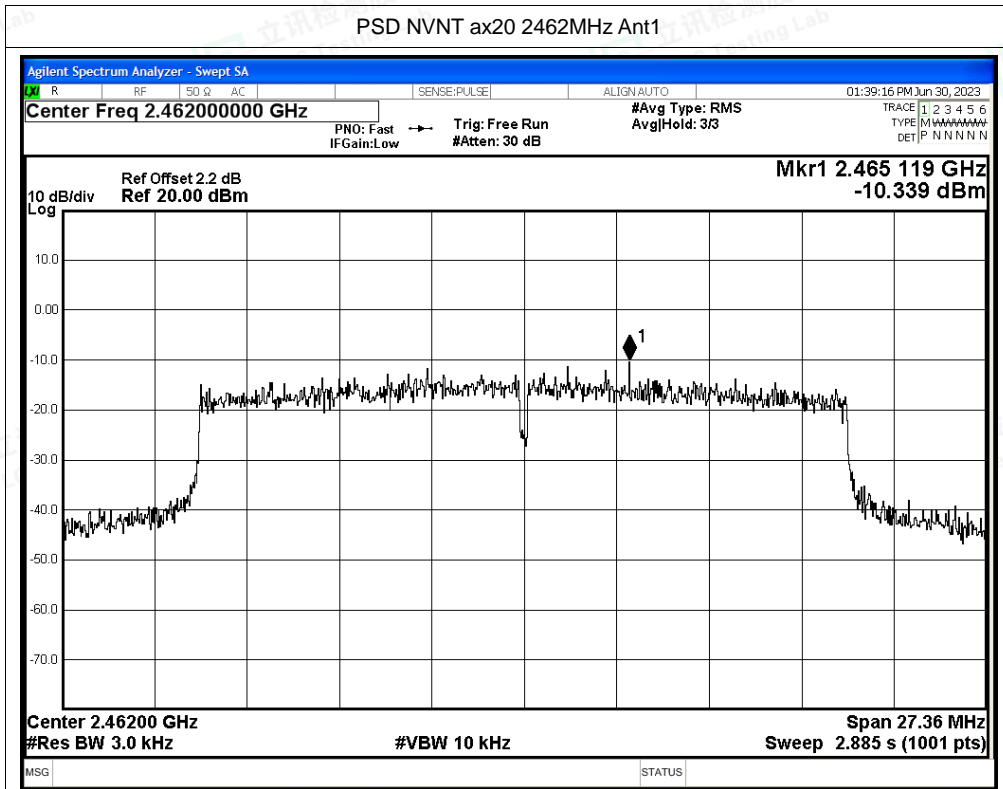


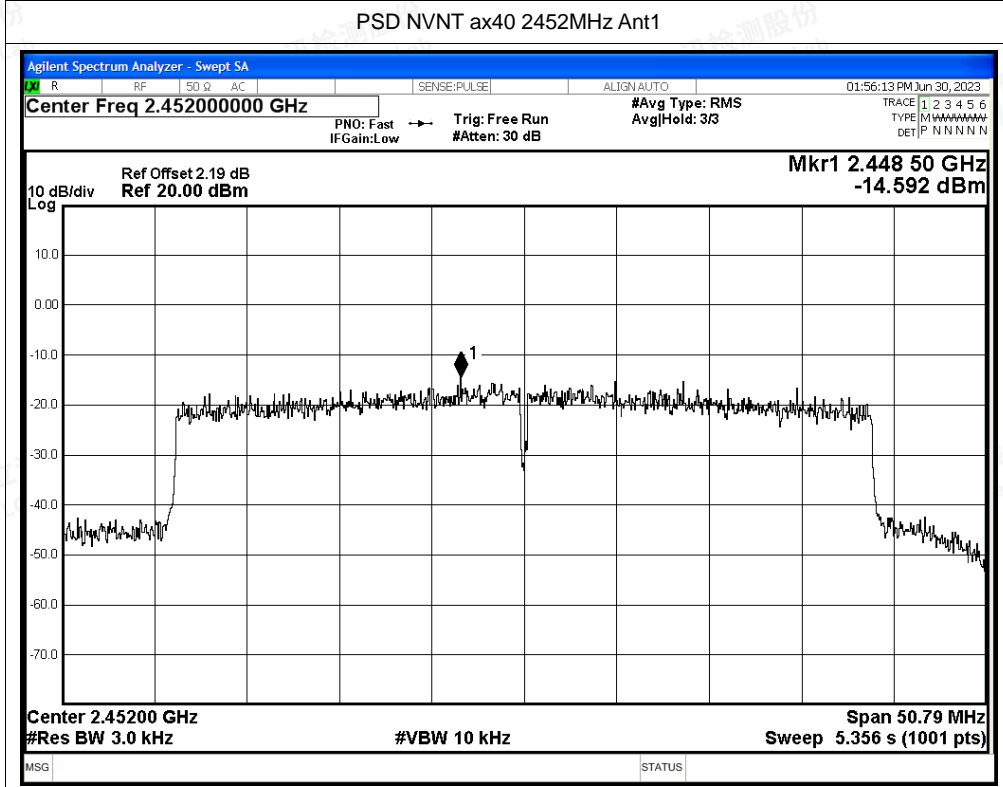
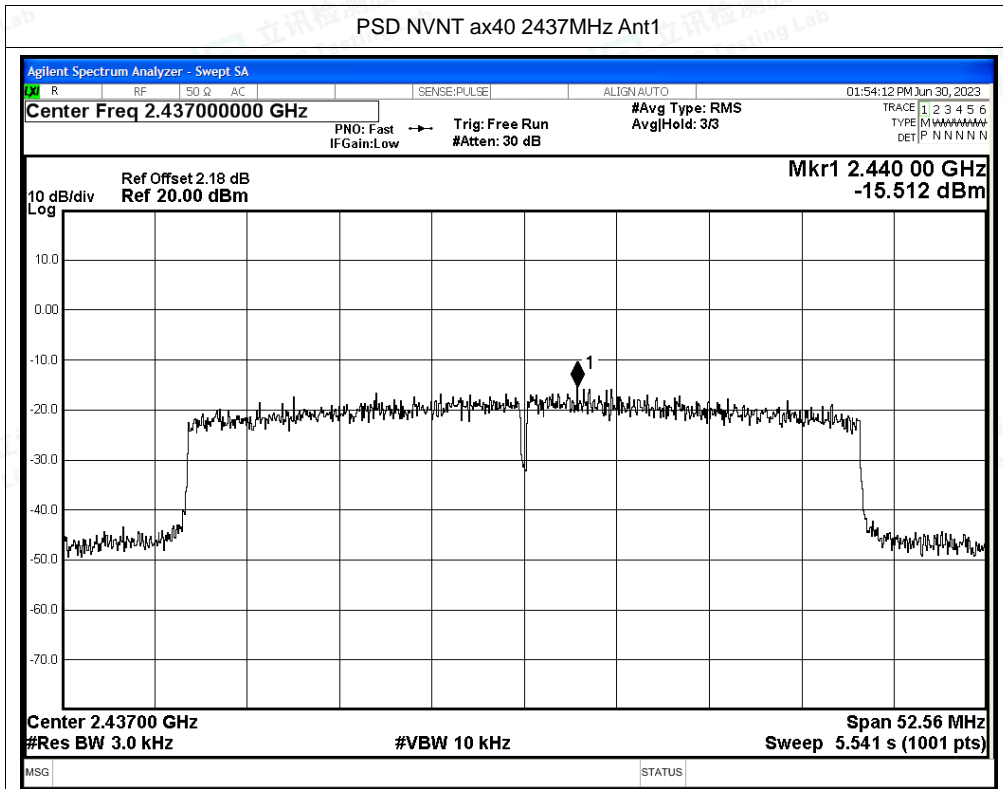














A.4 Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant0 | -45.54 | -20 | Pass |
| NVNT | b | 2462 | Ant0 | -65.18 | -20 | Pass |
| NVNT | g | 2412 | Ant0 | -45.09 | -20 | Pass |
| NVNT | g | 2462 | Ant0 | -57.06 | -20 | Pass |
| NVNT | n20 | 2412 | Ant0 | -42.68 | -20 | Pass |
| NVNT | n20 | 2462 | Ant0 | -56.63 | -20 | Pass |
| NVNT | n40 | 2422 | Ant0 | -38.24 | -20 | Pass |
| NVNT | n40 | 2452 | Ant0 | -50.73 | -20 | Pass |
| NVNT | ax20 | 2412 | Ant0 | -46.04 | -20 | Pass |
| NVNT | ax20 | 2462 | Ant0 | -53.95 | -20 | Pass |
| NVNT | ax40 | 2422 | Ant0 | -36.65 | -20 | Pass |
| NVNT | ax40 | 2452 | Ant0 | -49.61 | -20 | Pass |

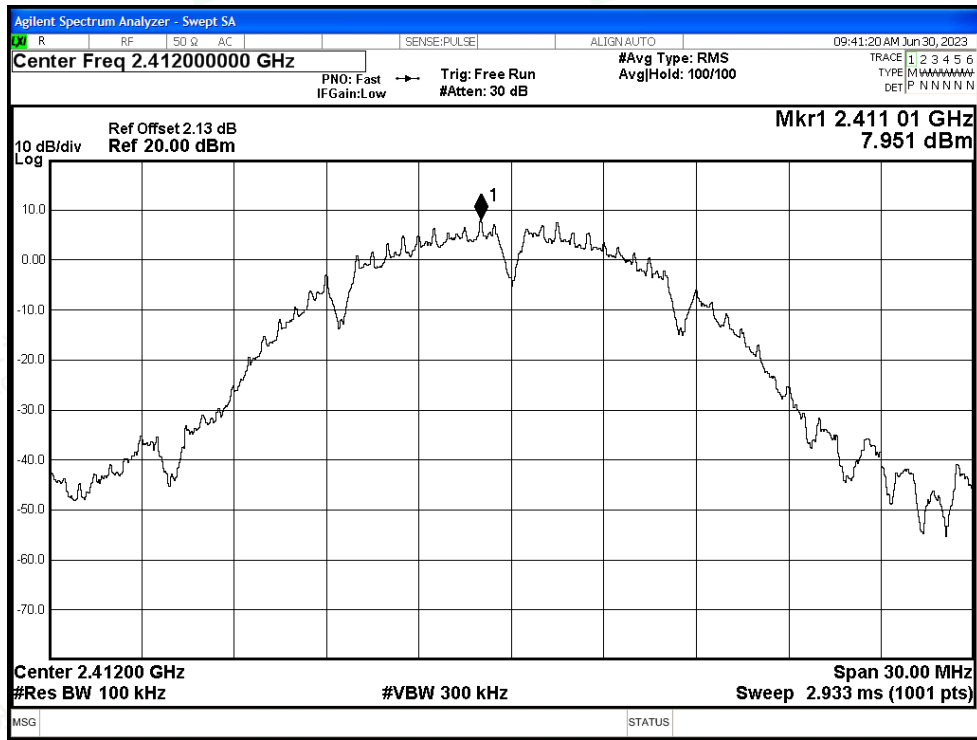


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

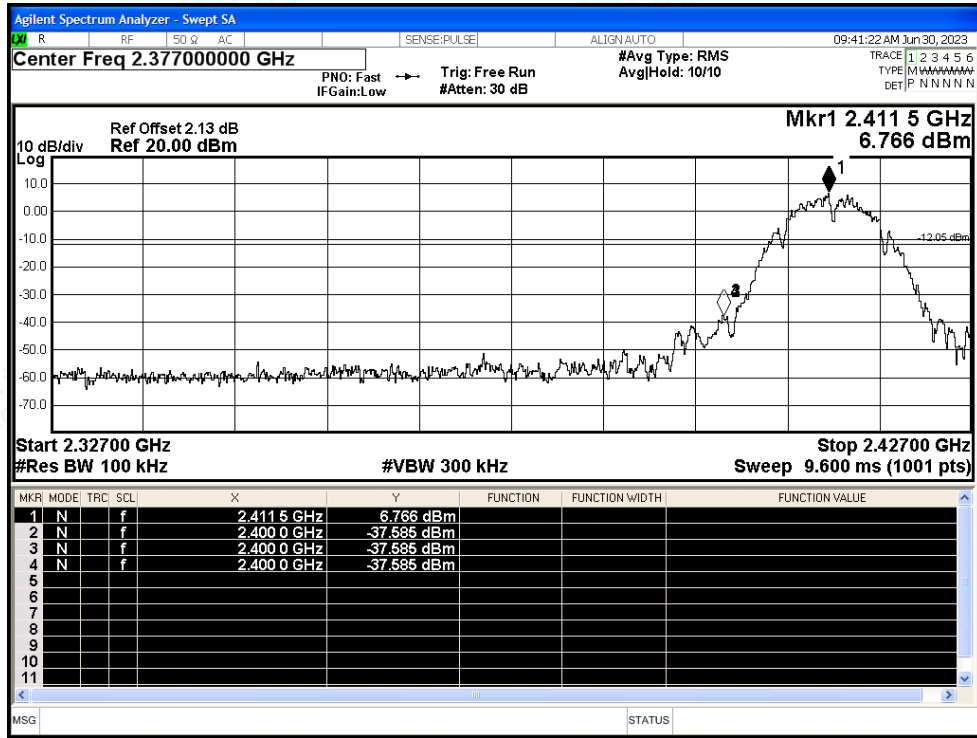


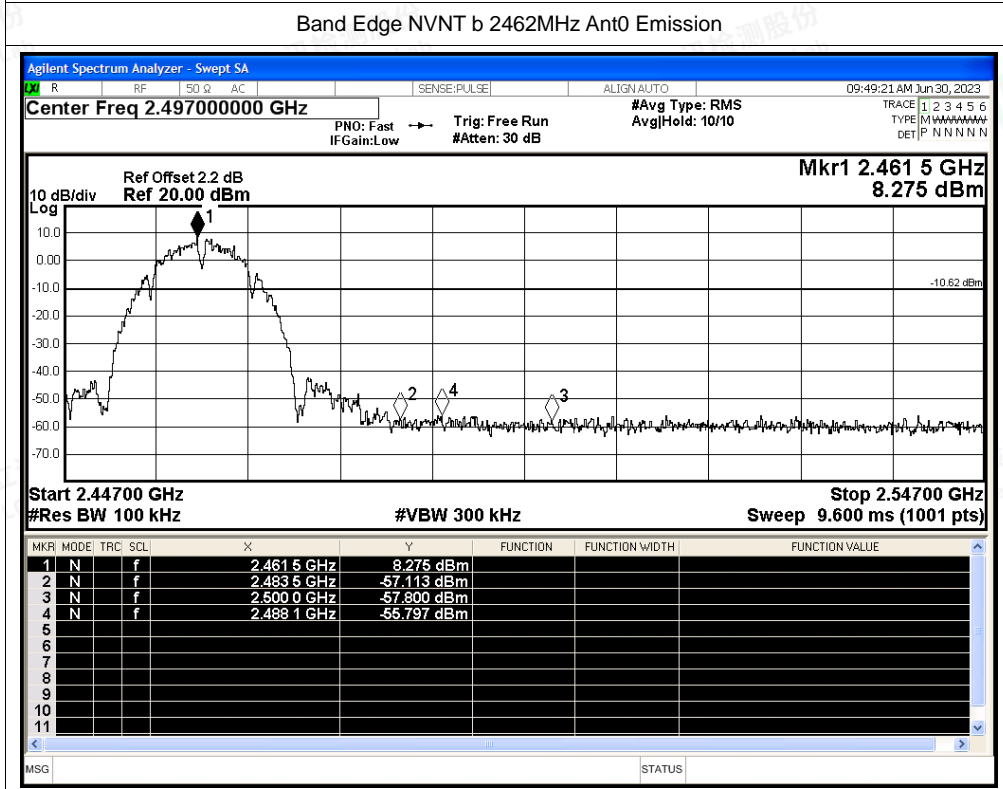
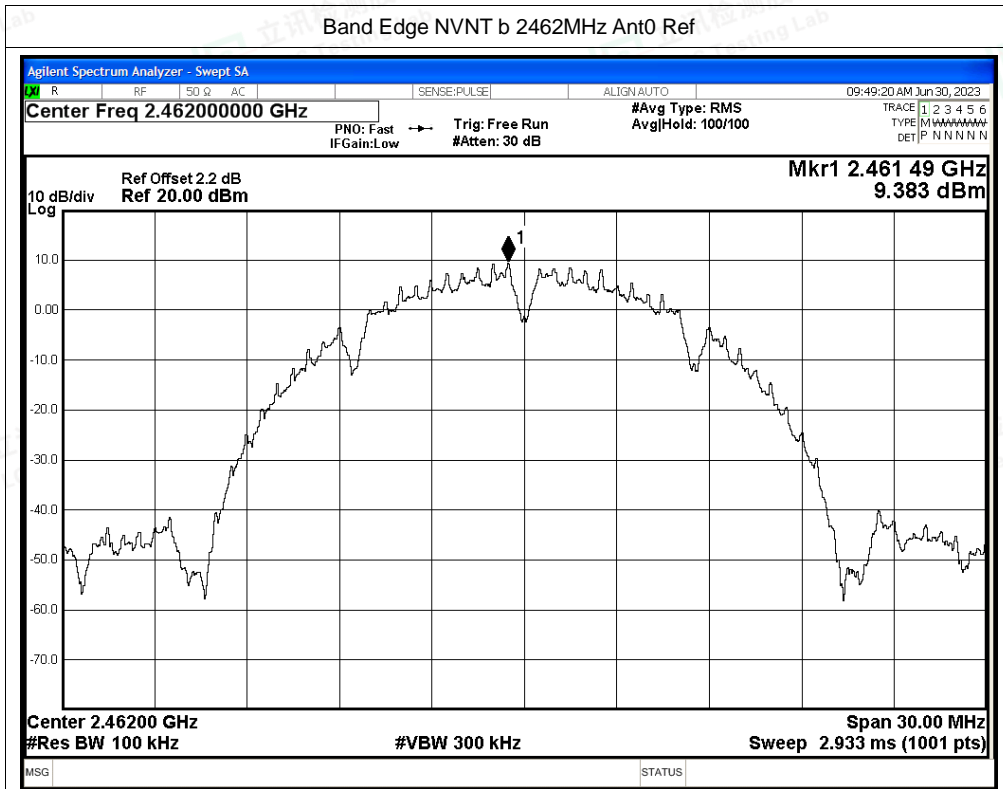
Test Graphs

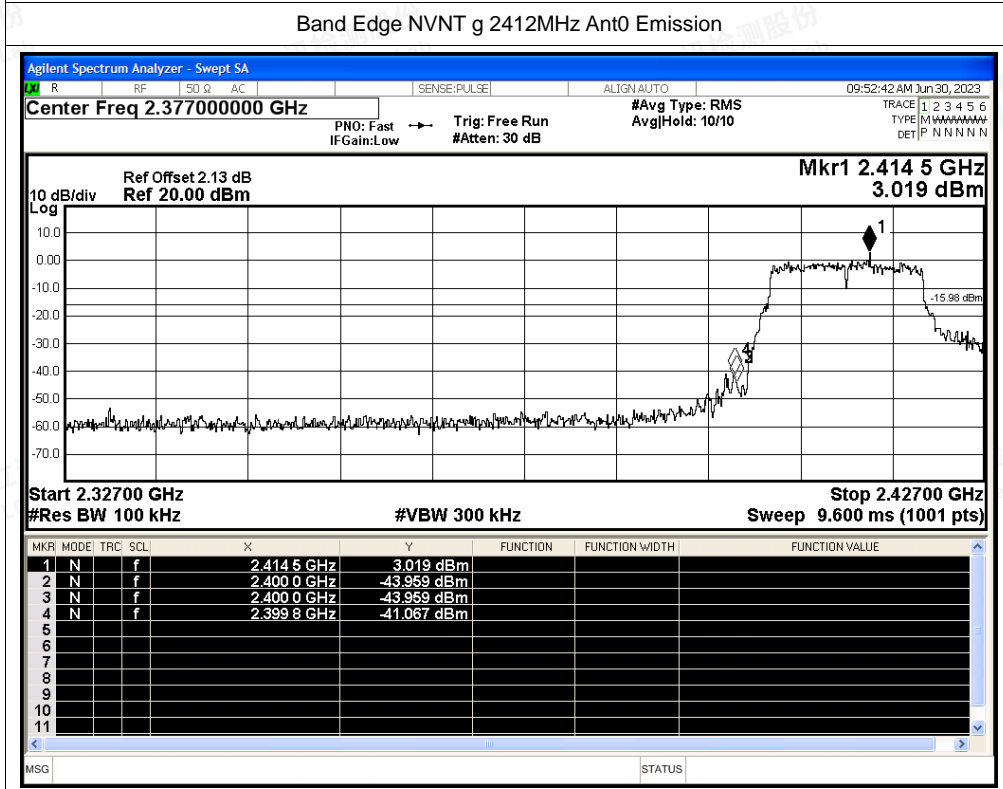
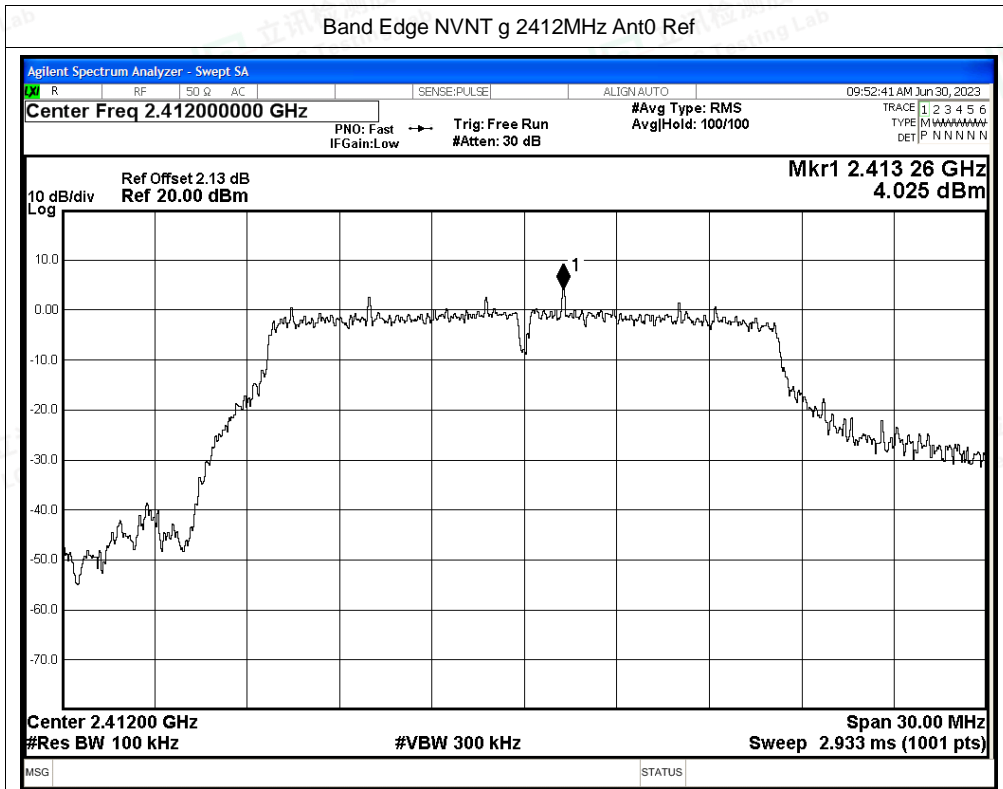
Band Edge NVNT b 2412MHz Ant0 Ref



Band Edge NVNT b 2412MHz Ant0 Emission

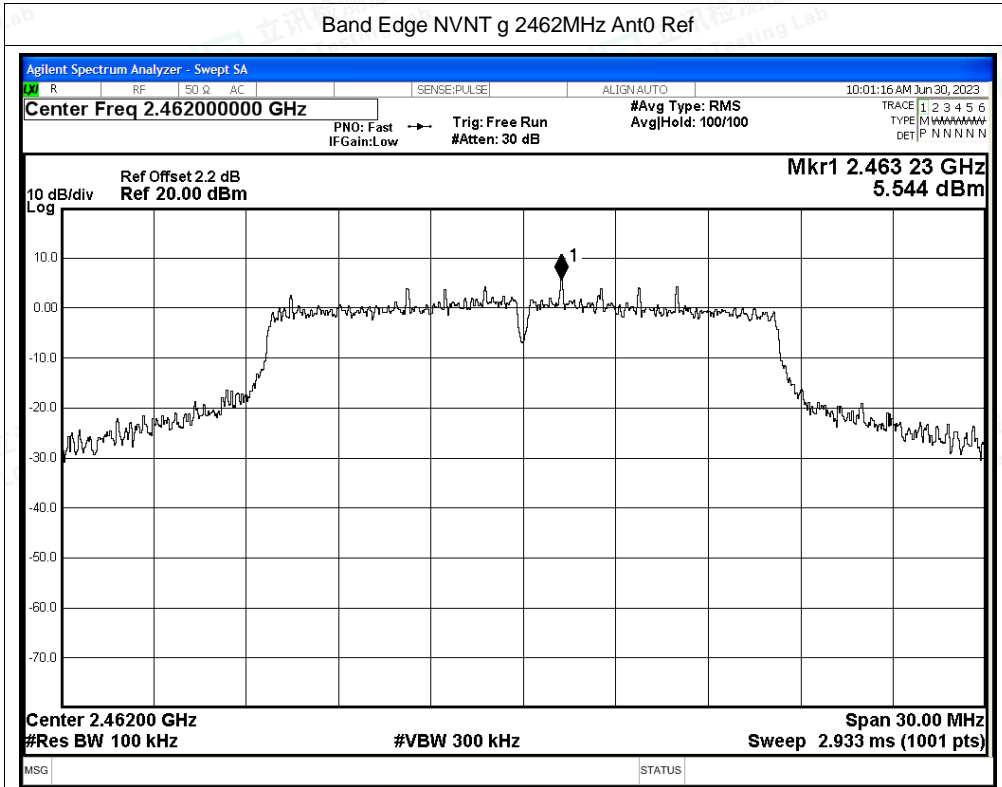




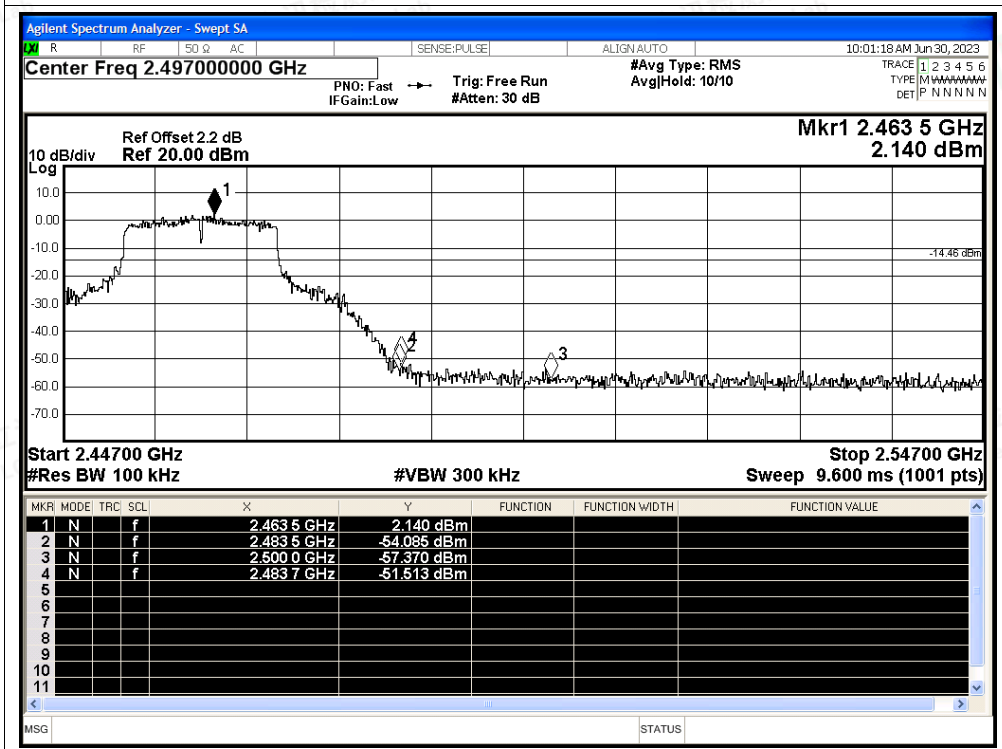




Band Edge NVNT g 2462MHz Ant0 Ref

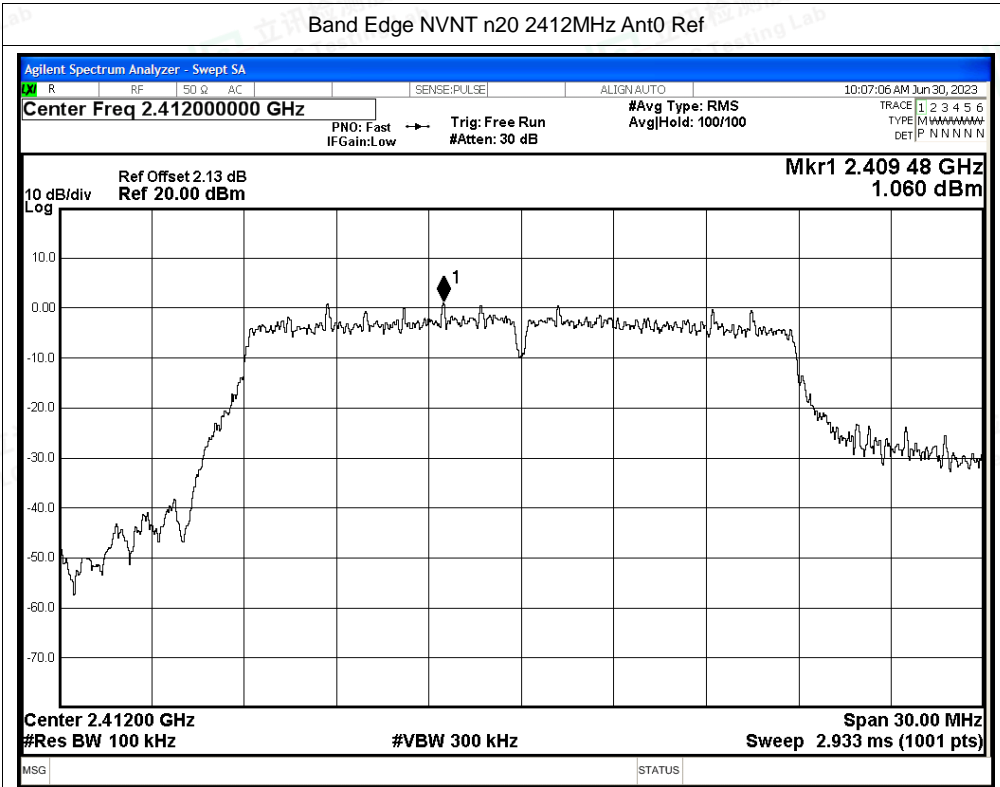


Band Edge NVNT g 2462MHz Ant0 Emission

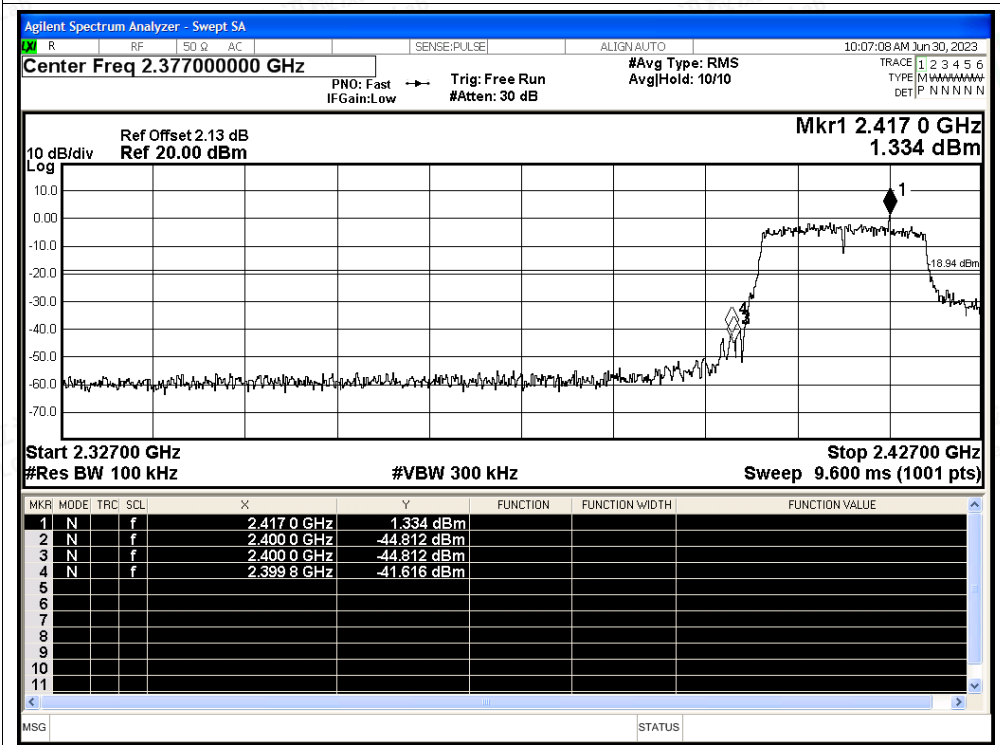


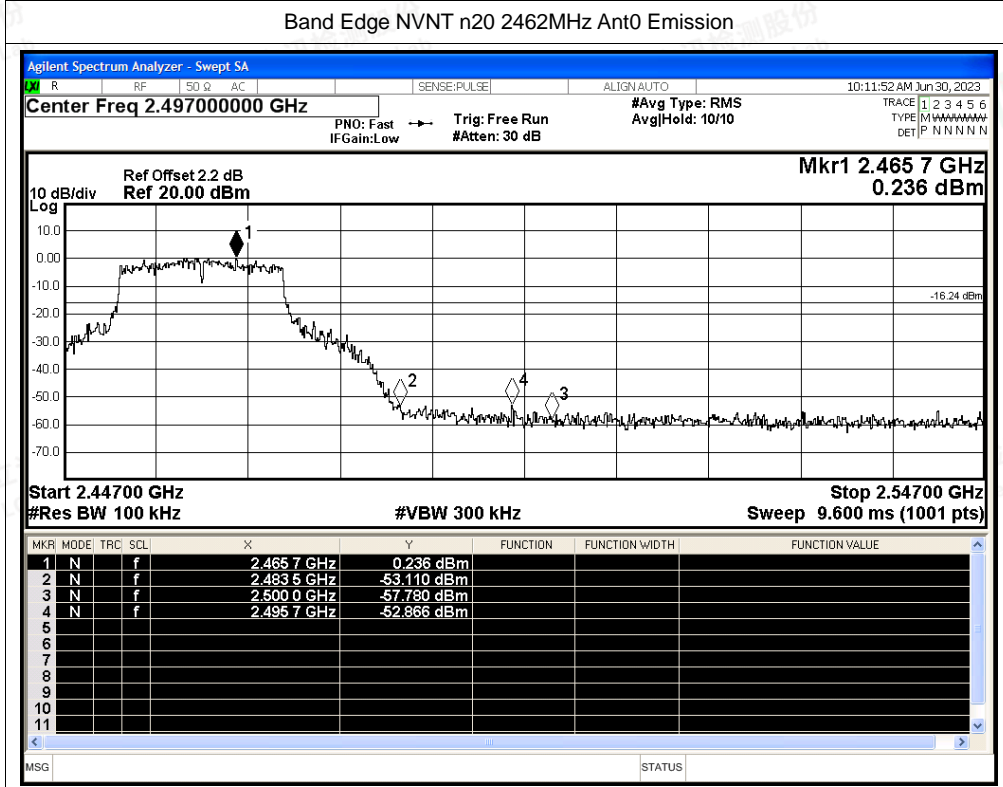
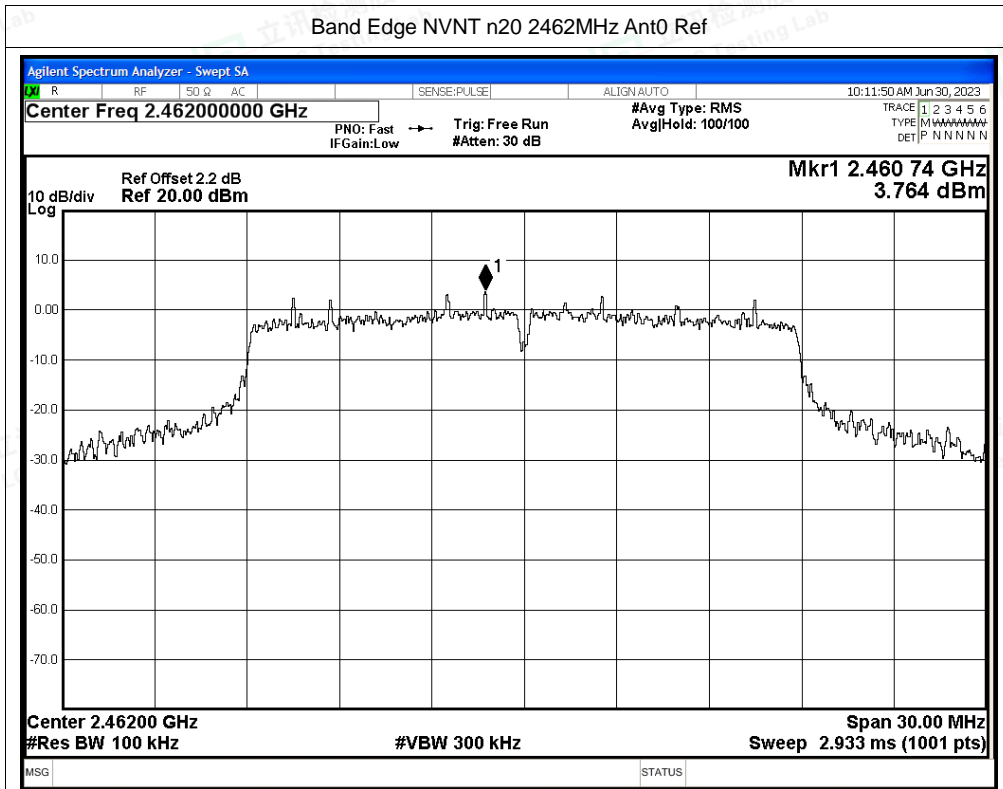


Band Edge NVNT n20 2412MHz Ant0 Ref



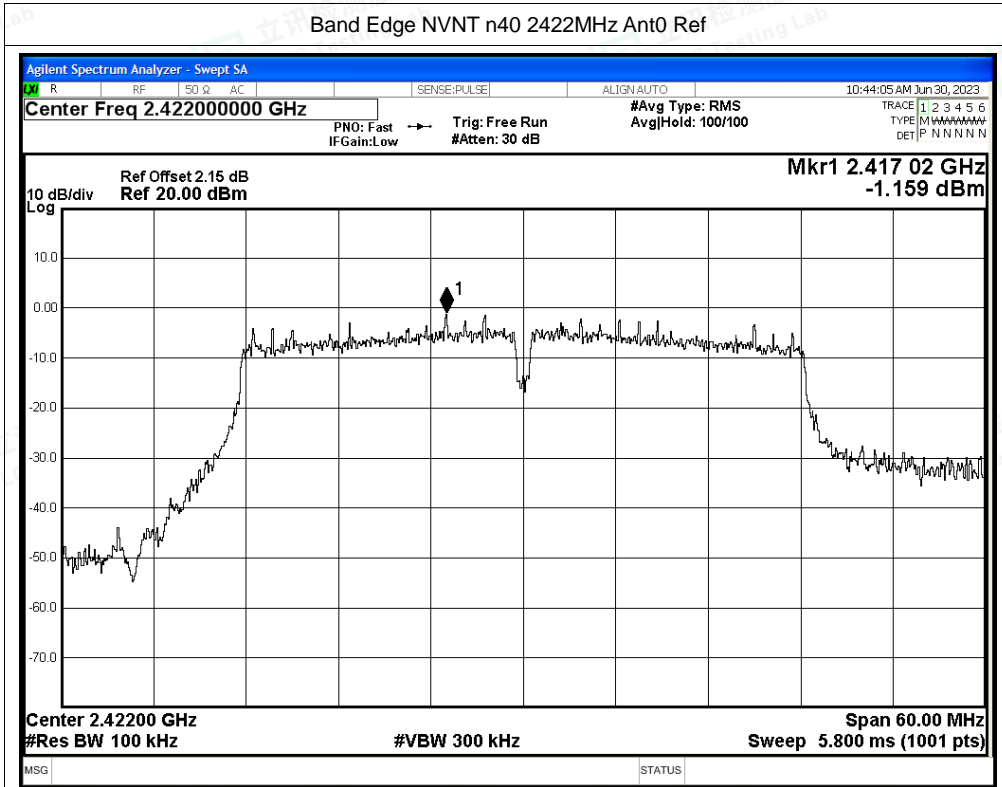
Band Edge NVNT n20 2412MHz Ant0 Emission



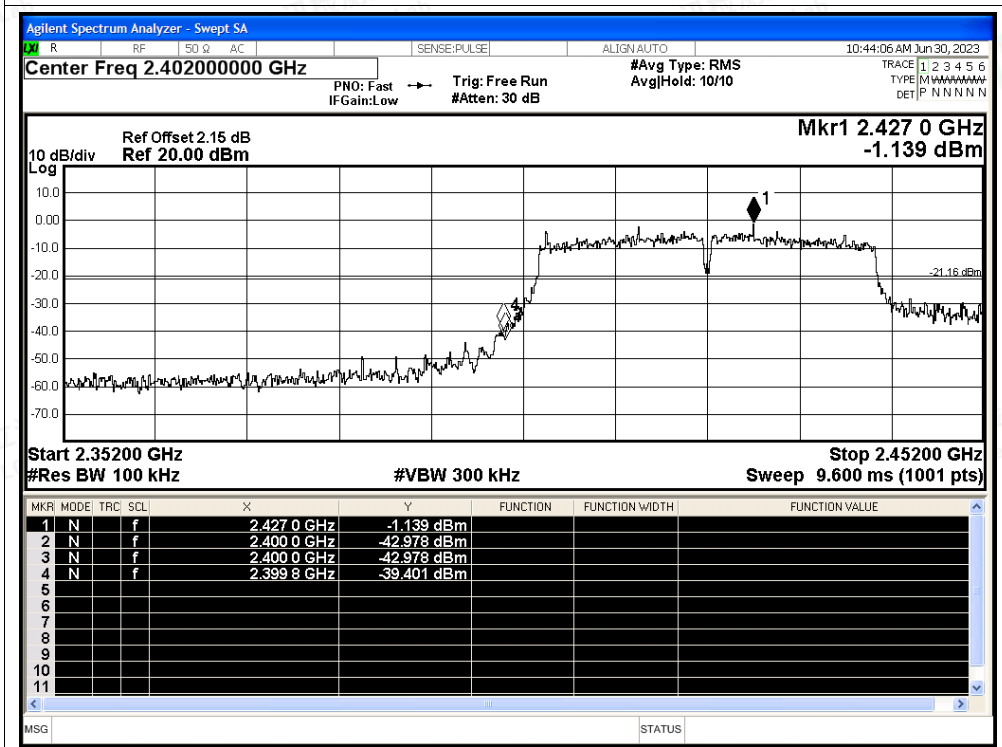




Band Edge NVNT n40 2422MHz Ant0 Ref

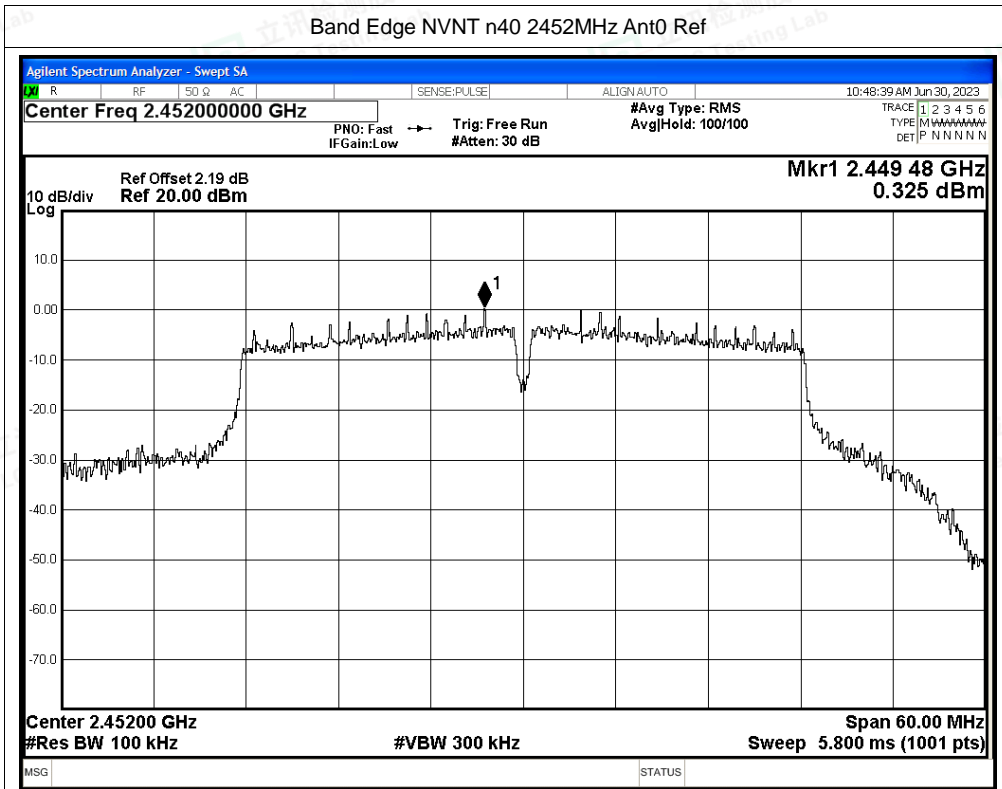


Band Edge NVNT n40 2422MHz Ant0 Emission

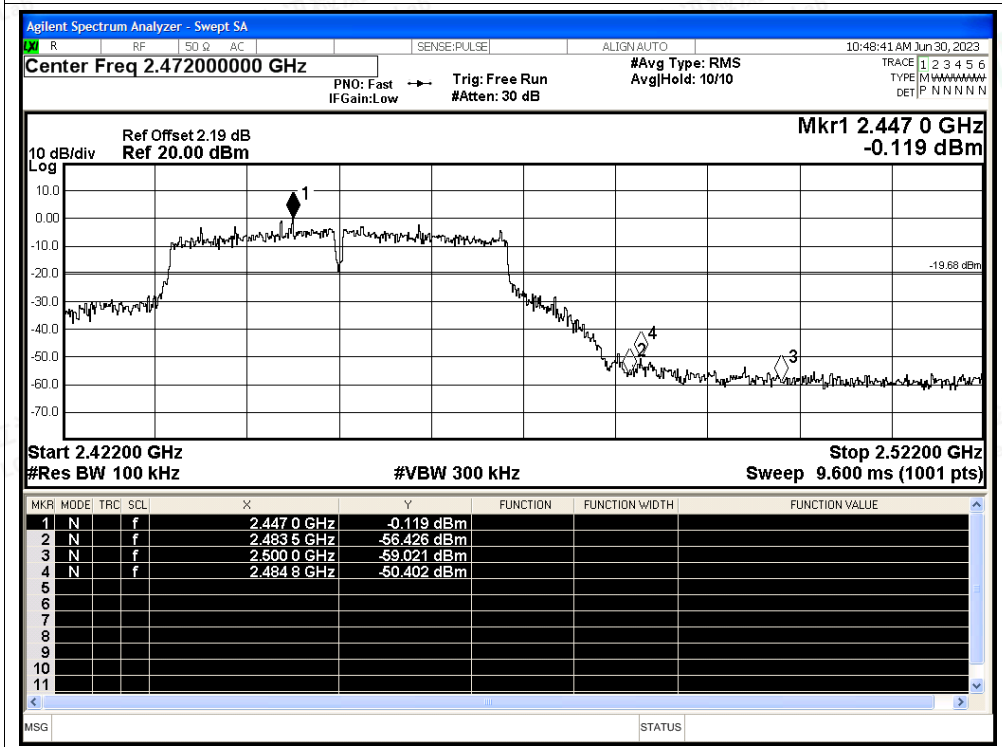


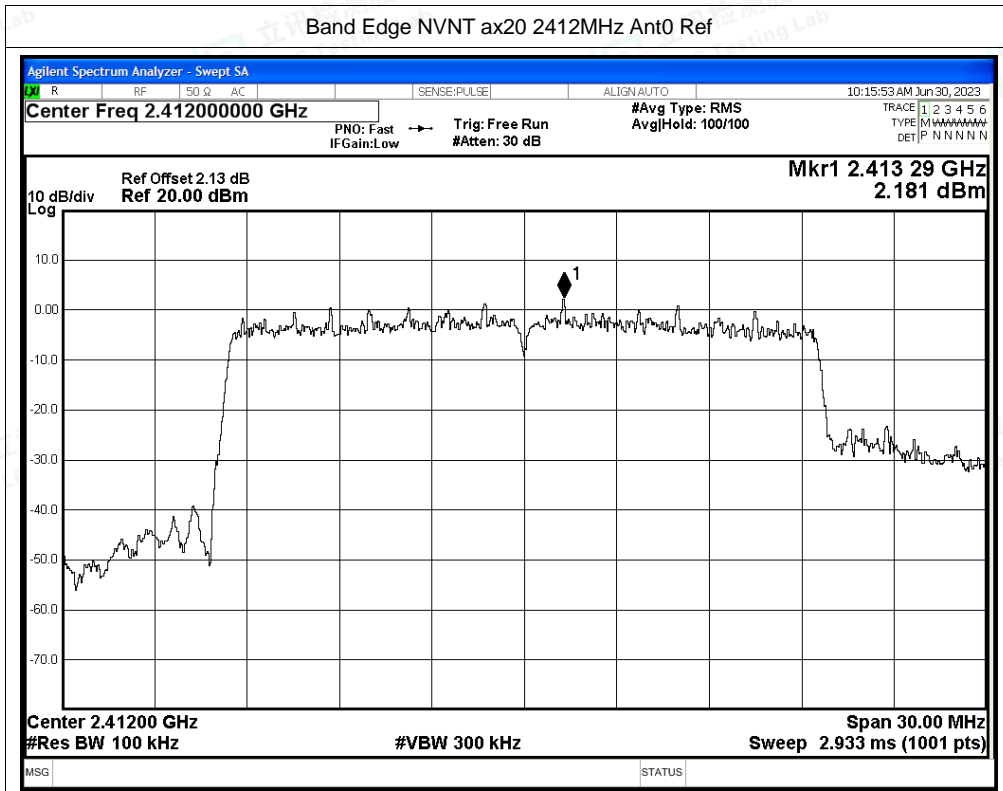


Band Edge NVNT n40 2452MHz Ant0 Ref

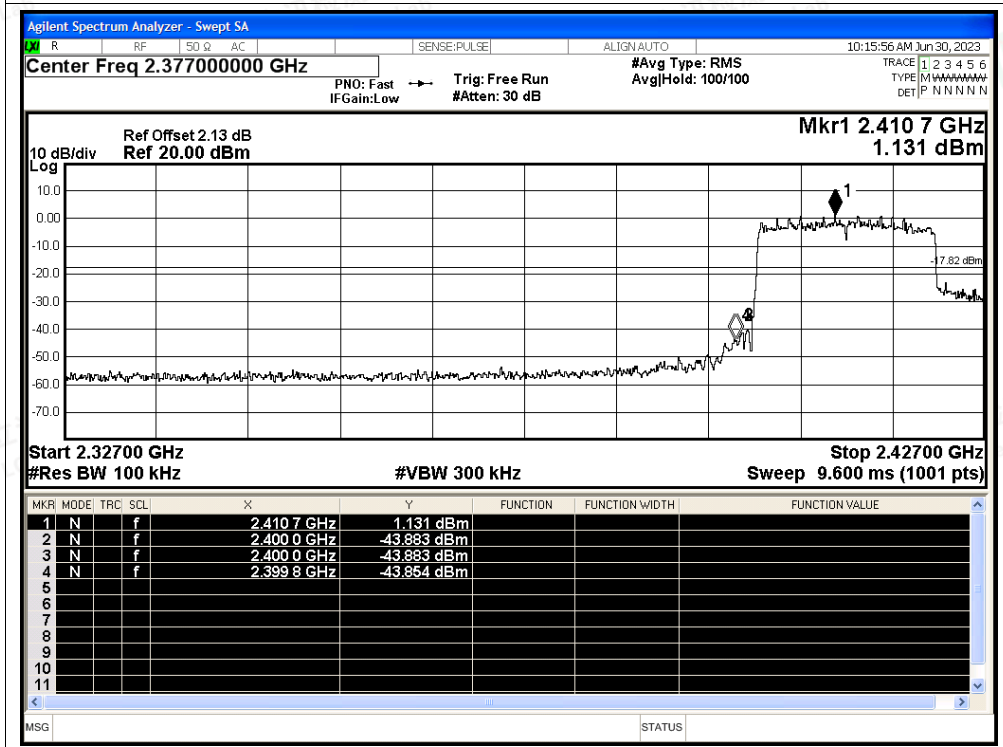


Band Edge NVNT n40 2452MHz Ant0 Emission



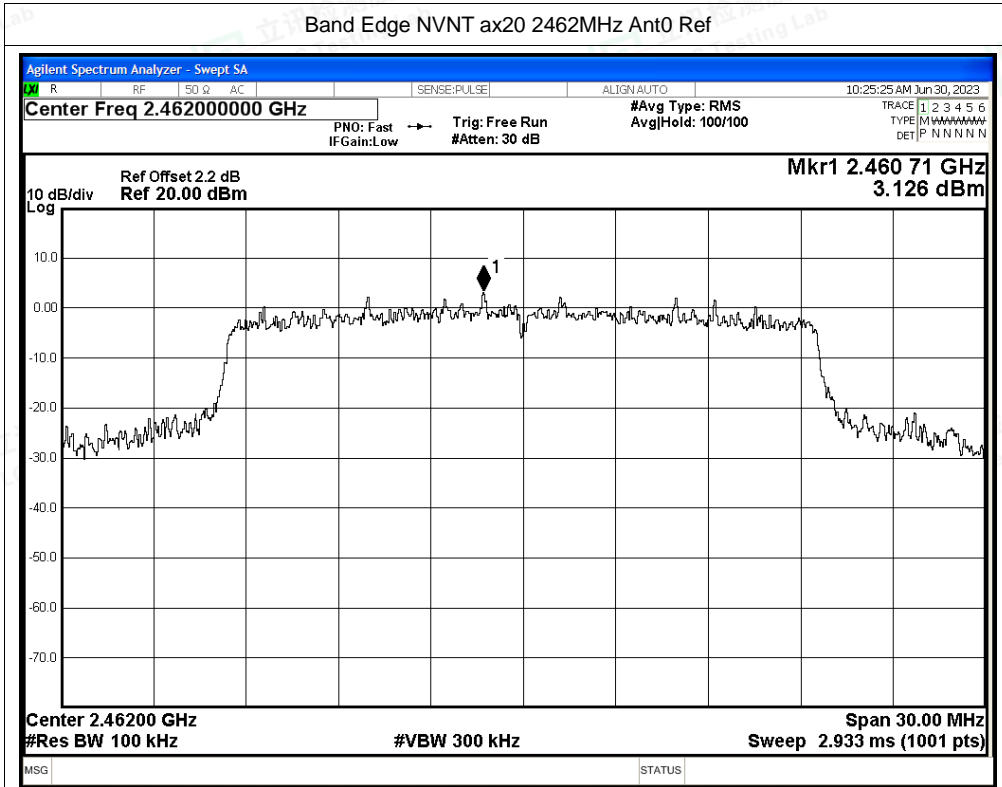


Band Edge NVNT ax20 2412MHz Ant0 Emission

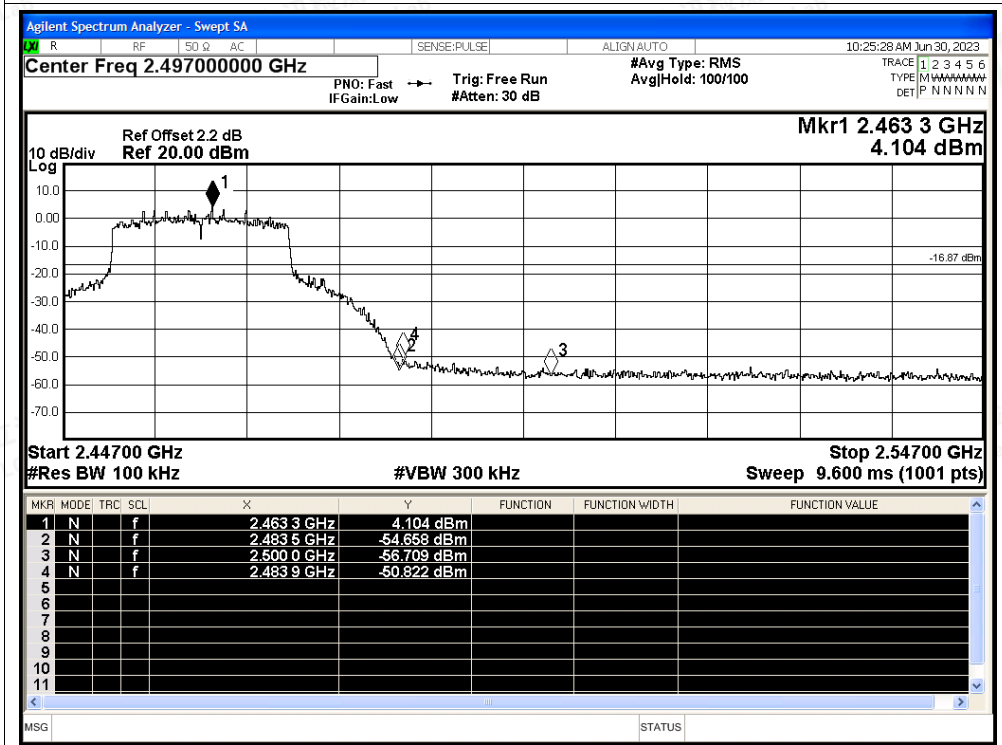


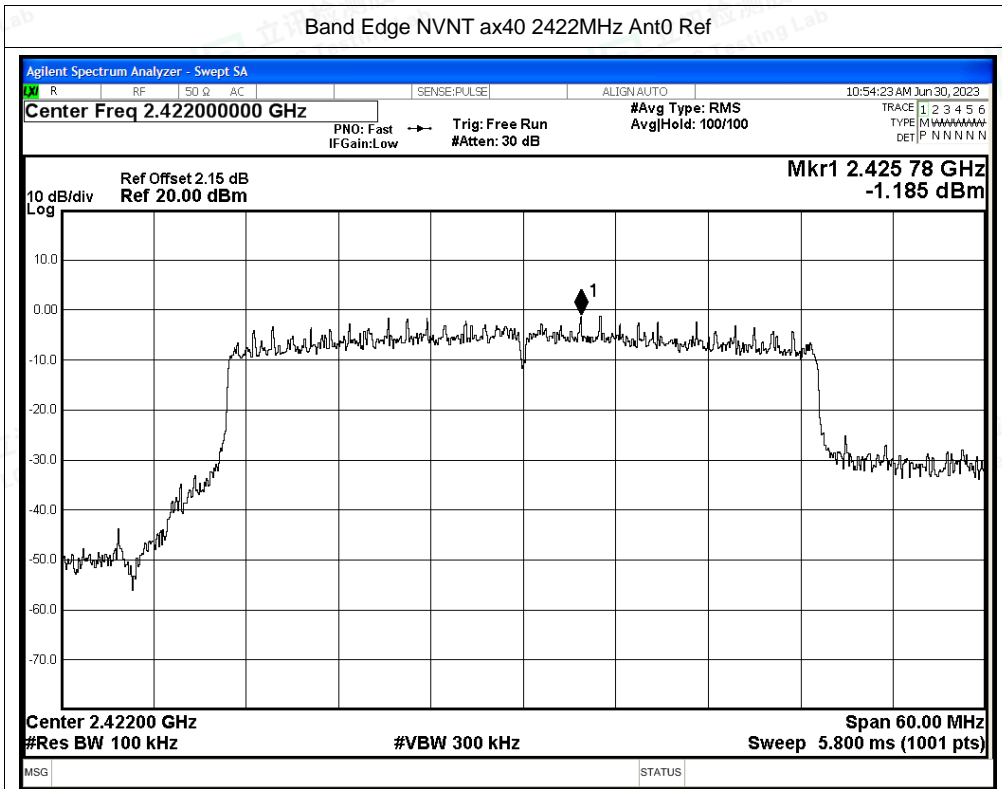


Band Edge NVNT ax20 2462MHz Ant0 Ref

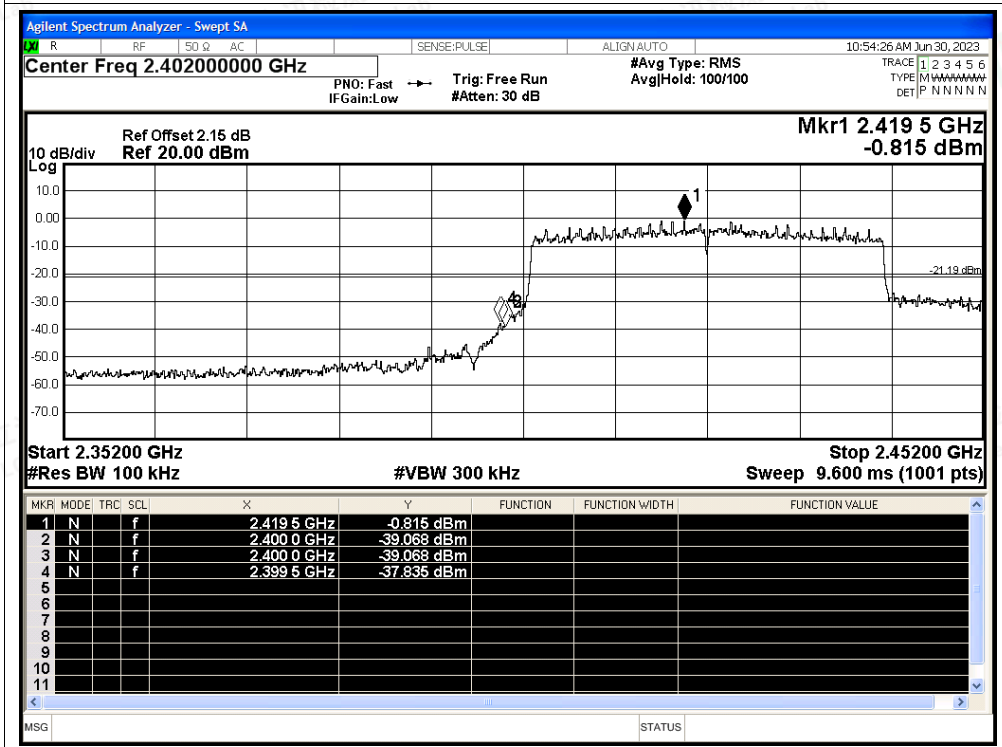


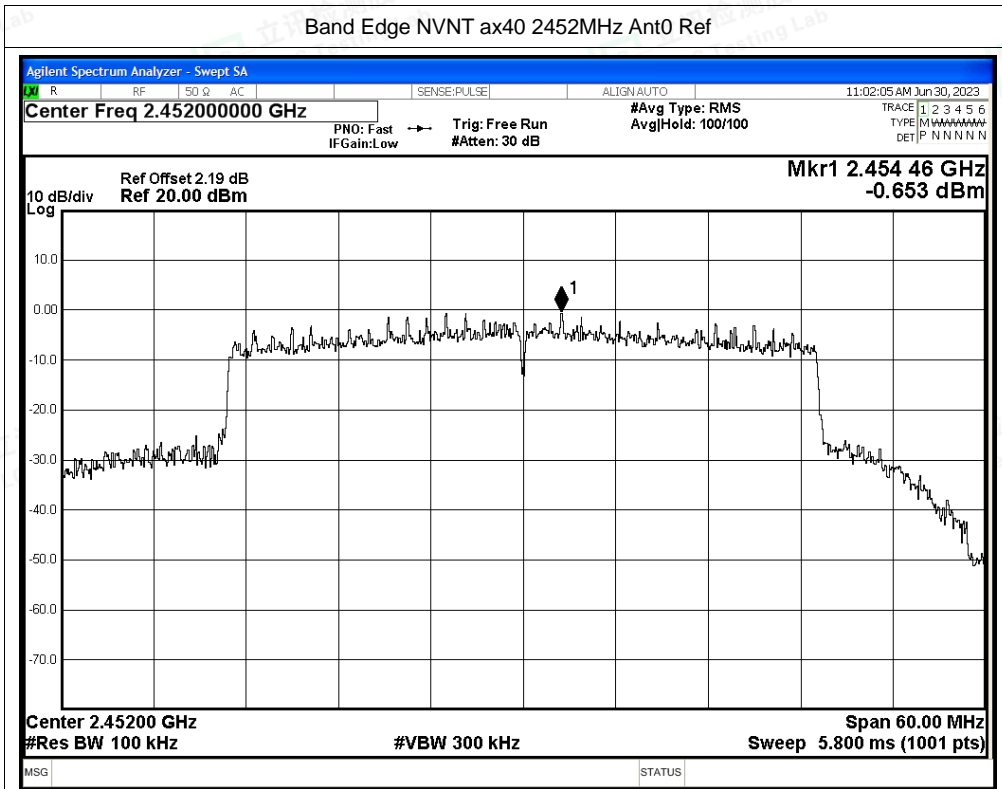
Band Edge NVNT ax20 2462MHz Ant0 Emission



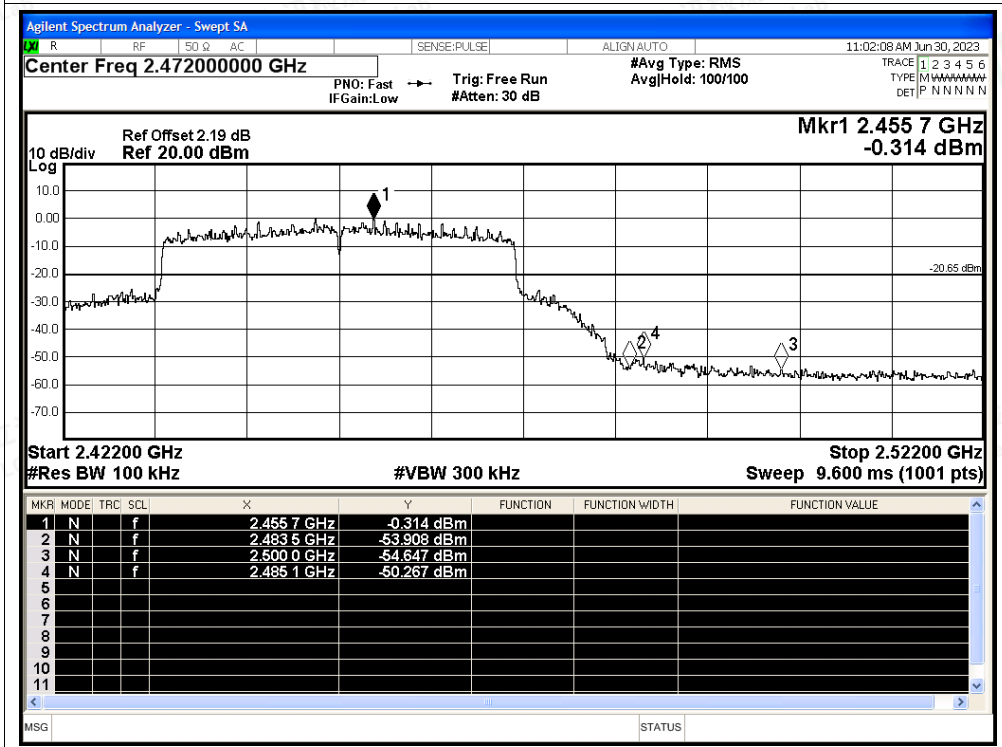


Band Edge NVNT ax40 2422MHz Ant0 Emission





Band Edge NVNT ax40 2452MHz Ant0 Emission





| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant1 | -53.59 | -20 | Pass |
| NVNT | b | 2462 | Ant1 | -63.99 | -20 | Pass |
| NVNT | g | 2412 | Ant1 | -43.79 | -20 | Pass |
| NVNT | g | 2462 | Ant1 | -57.28 | -20 | Pass |
| NVNT | n20 | 2412 | Ant1 | -43.64 | -20 | Pass |
| NVNT | n20 | 2462 | Ant1 | -56.6 | -20 | Pass |
| NVNT | n40 | 2422 | Ant1 | -39.36 | -20 | Pass |
| NVNT | n40 | 2452 | Ant1 | -49.47 | -20 | Pass |
| NVNT | ax20 | 2412 | Ant1 | -45.18 | -20 | Pass |
| NVNT | ax20 | 2462 | Ant1 | -52.45 | -20 | Pass |
| NVNT | ax40 | 2422 | Ant1 | -38.53 | -20 | Pass |
| NVNT | ax40 | 2452 | Ant1 | -45.96 | -20 | Pass |

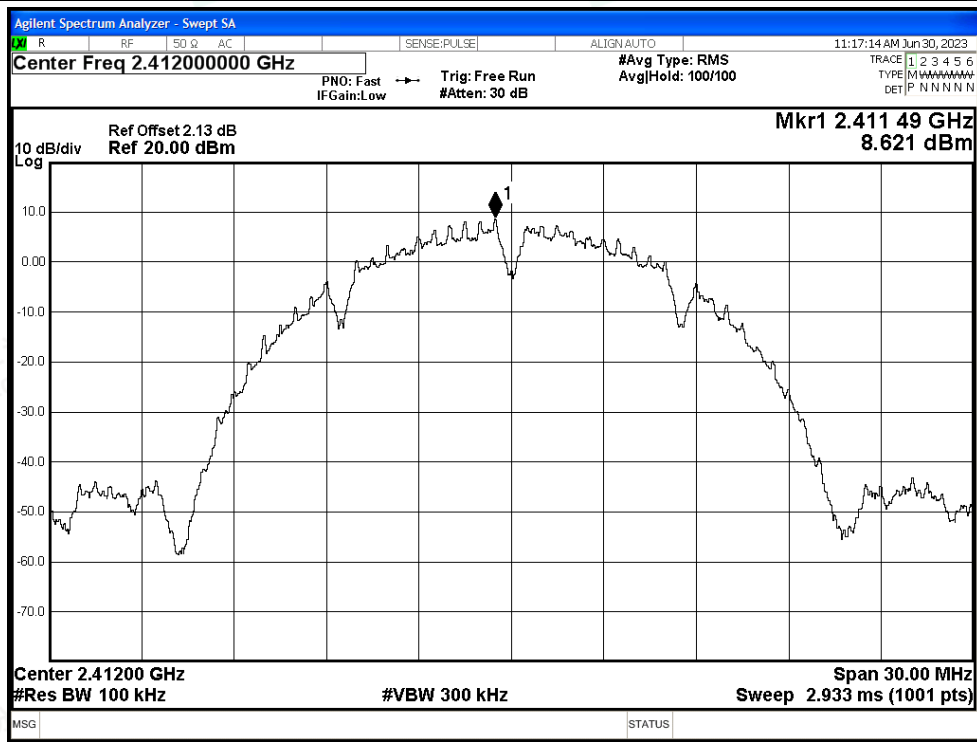


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

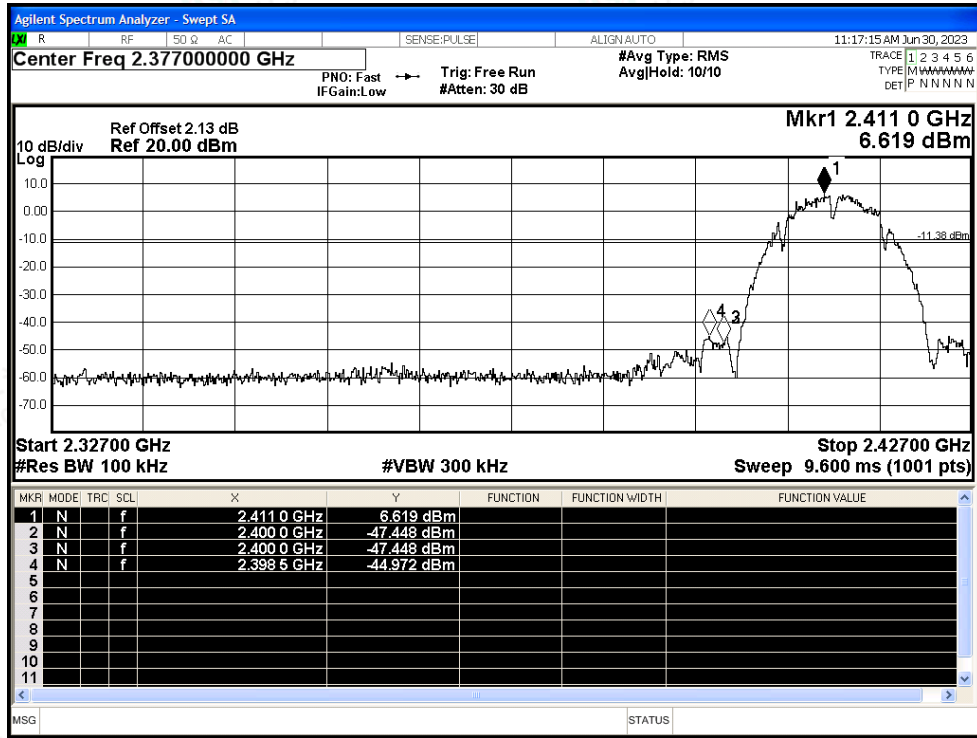


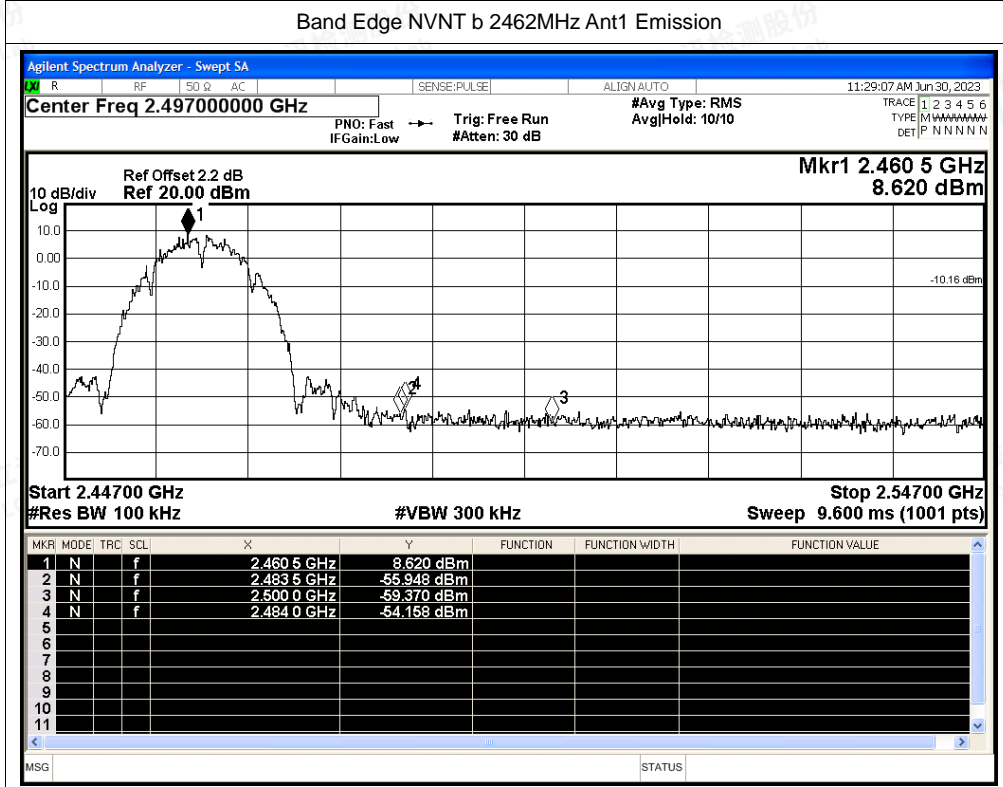
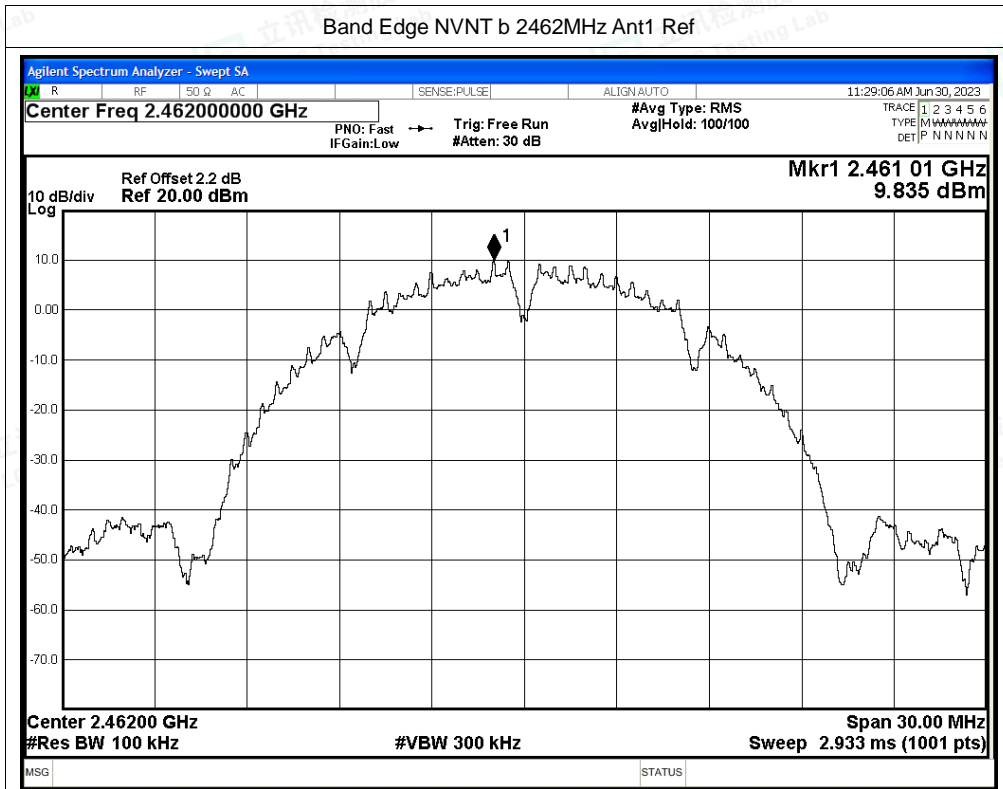
Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref



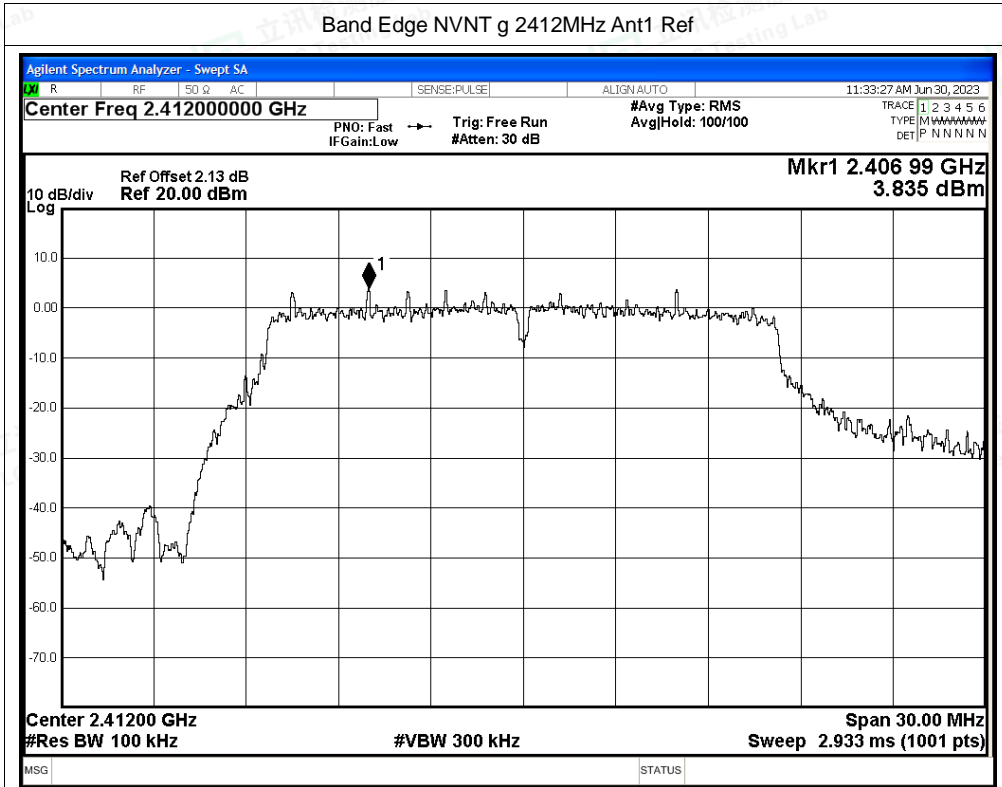
Band Edge NVNT b 2412MHz Ant1 Emission



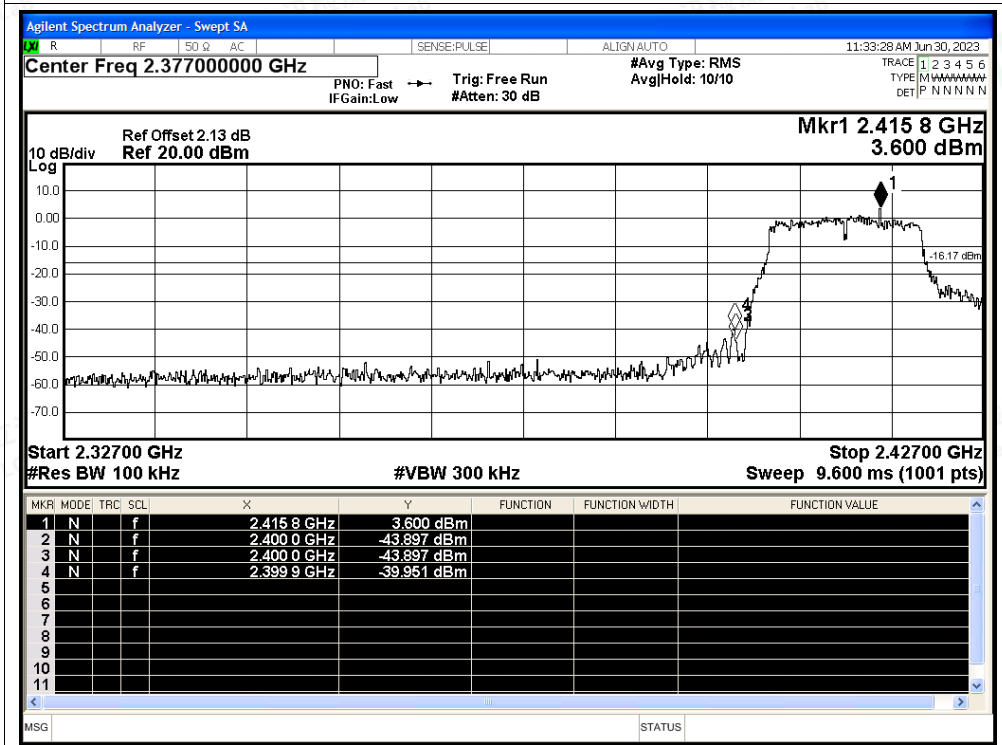




Band Edge NVNT g 2412MHz Ant1 Ref

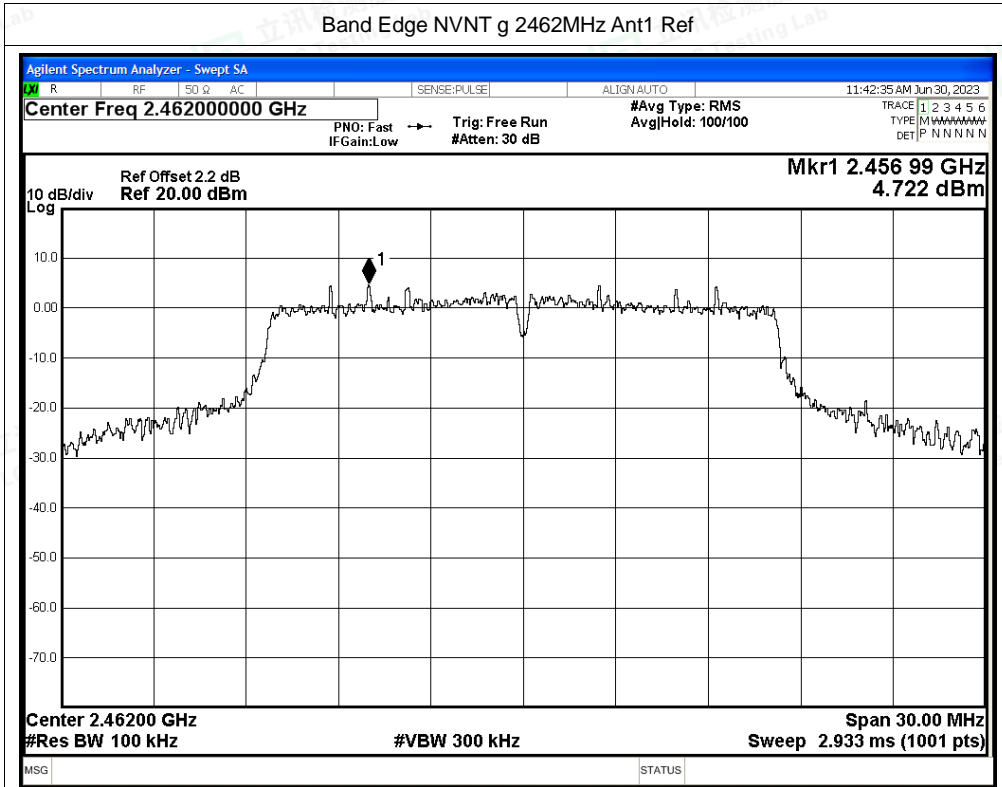


Band Edge NVNT g 2412MHz Ant1 Emission

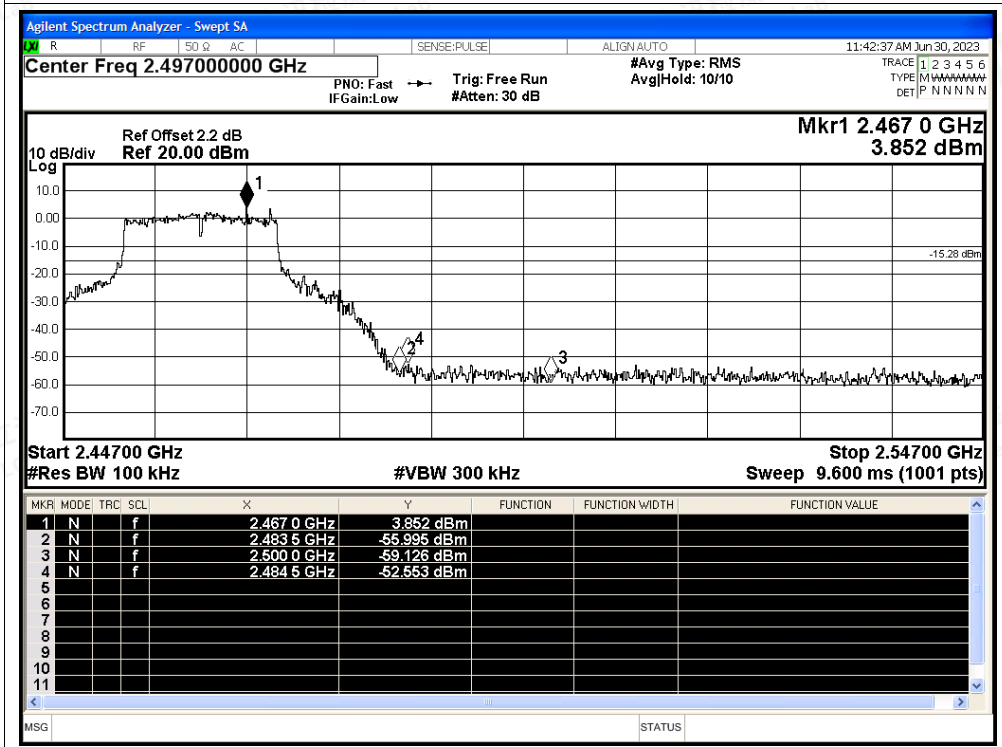




Band Edge NVNT g 2462MHz Ant1 Ref

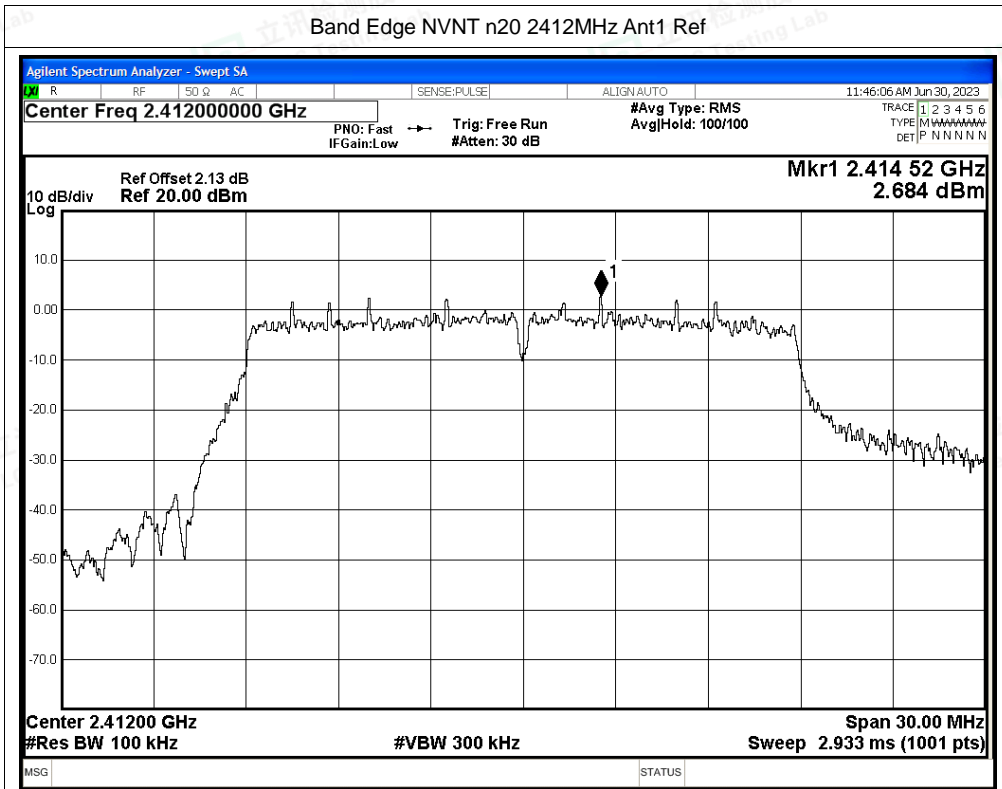


Band Edge NVNT g 2462MHz Ant1 Emission

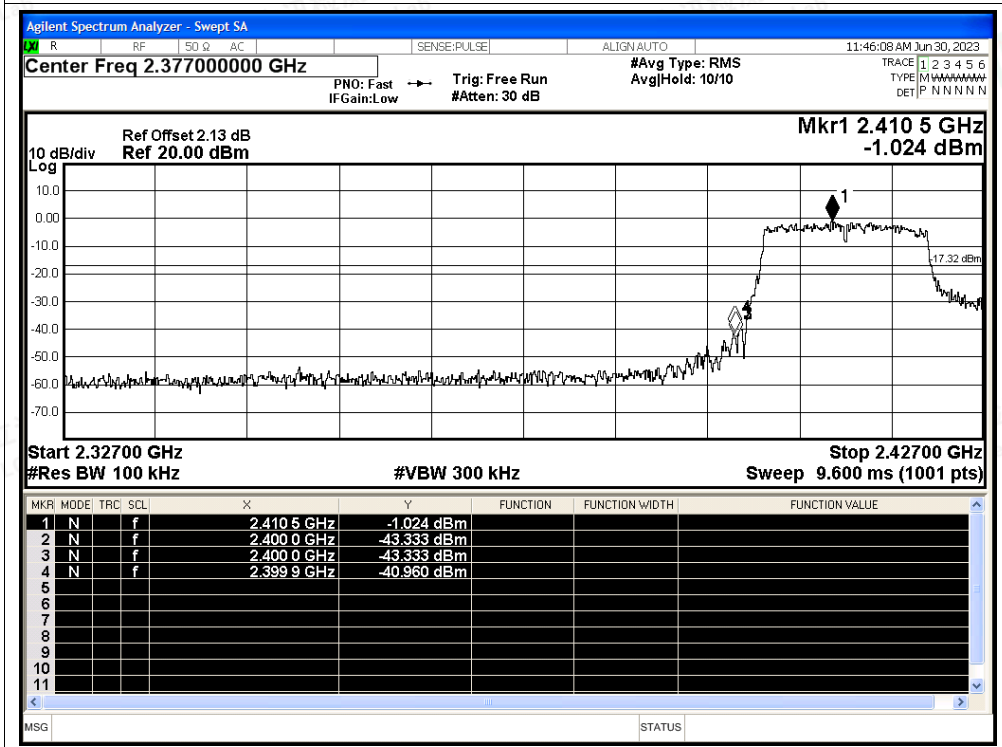




Band Edge NVNT n20 2412MHz Ant1 Ref

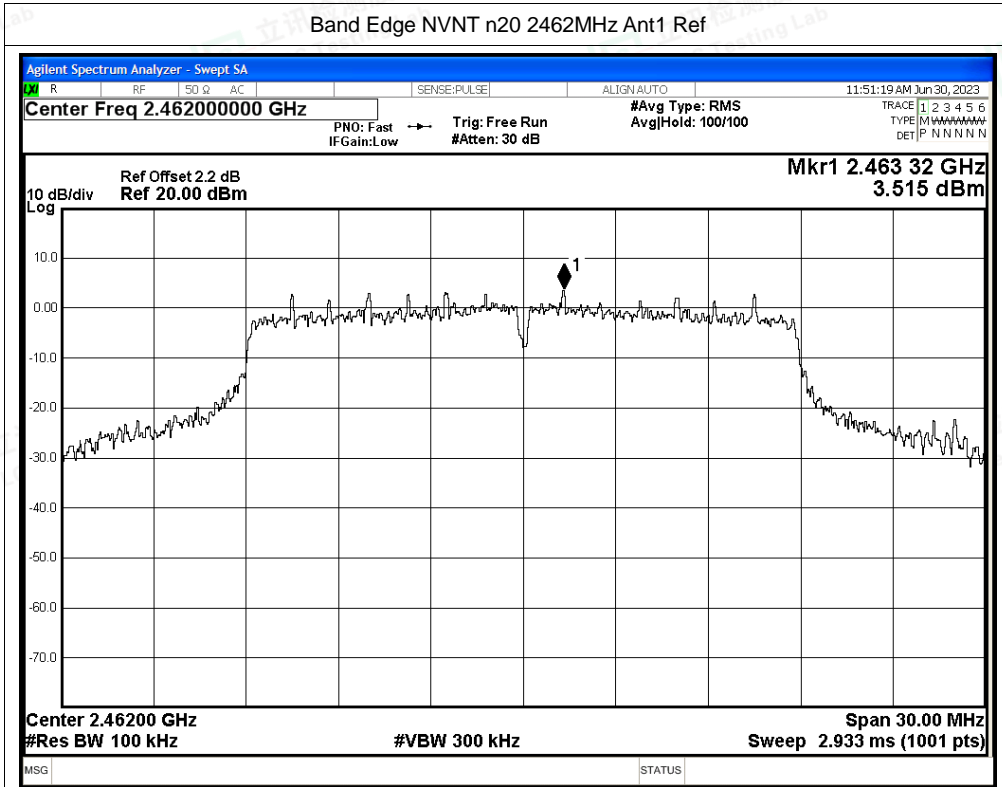


Band Edge NVNT n20 2412MHz Ant1 Emission

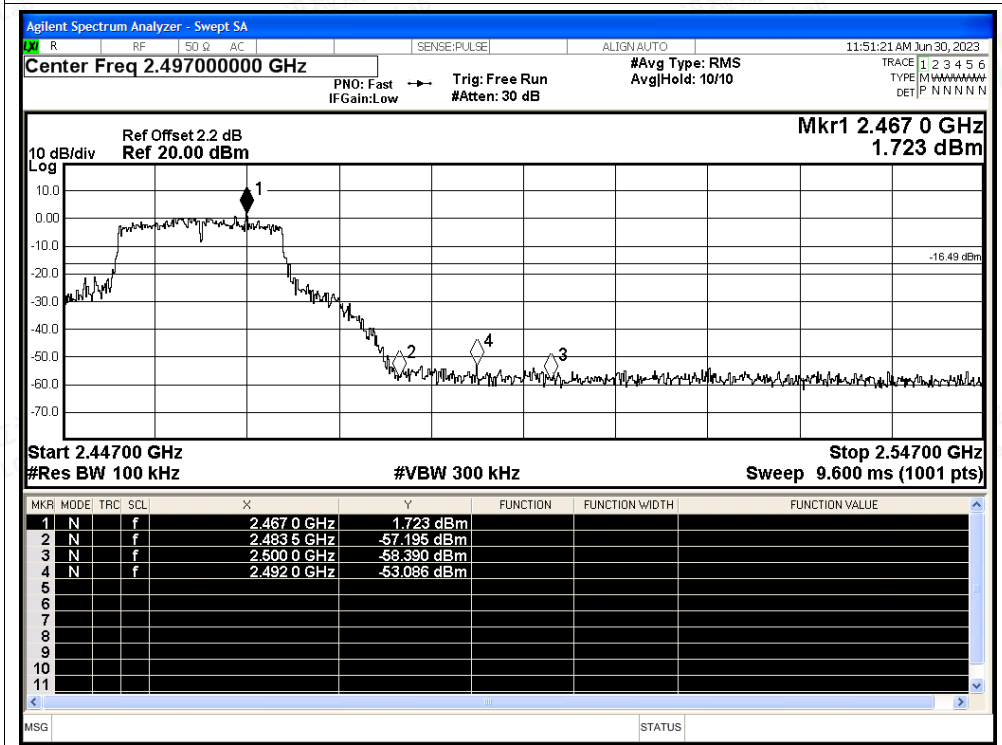


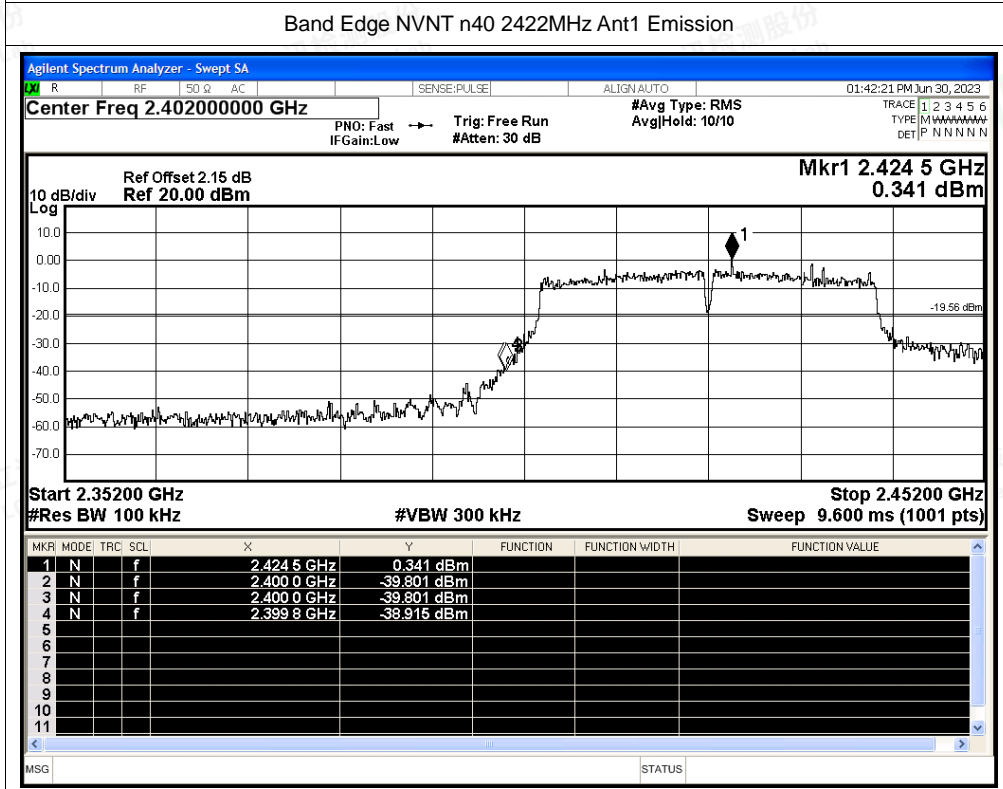
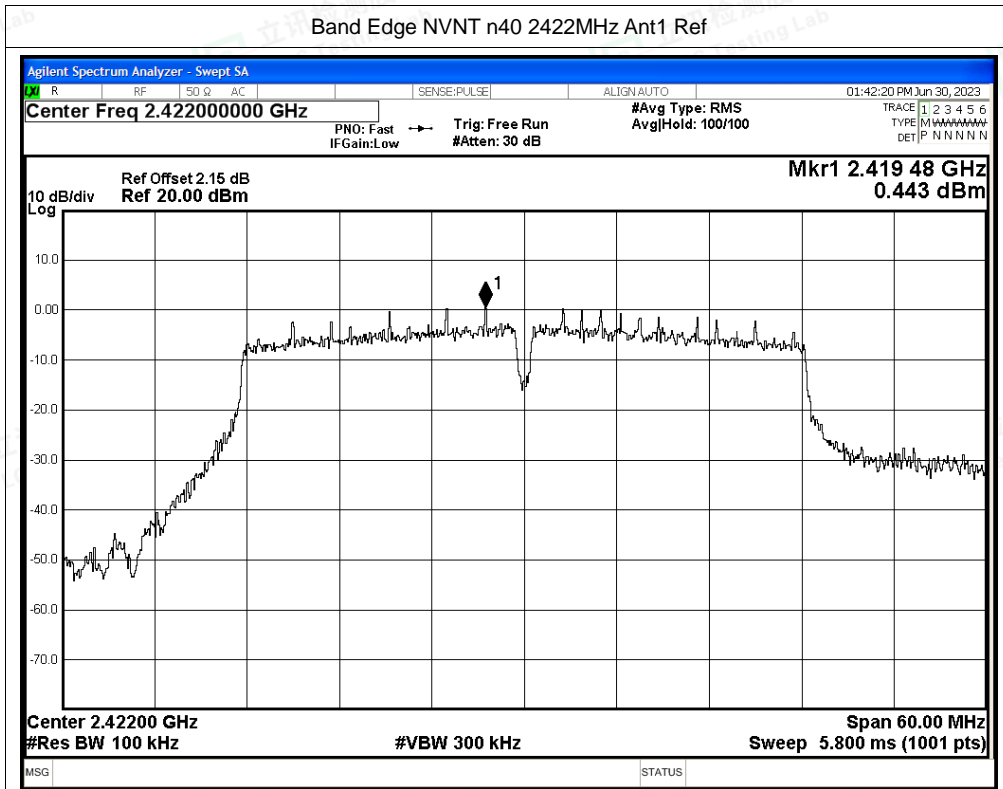


Band Edge NVNT n20 2462MHz Ant1 Ref



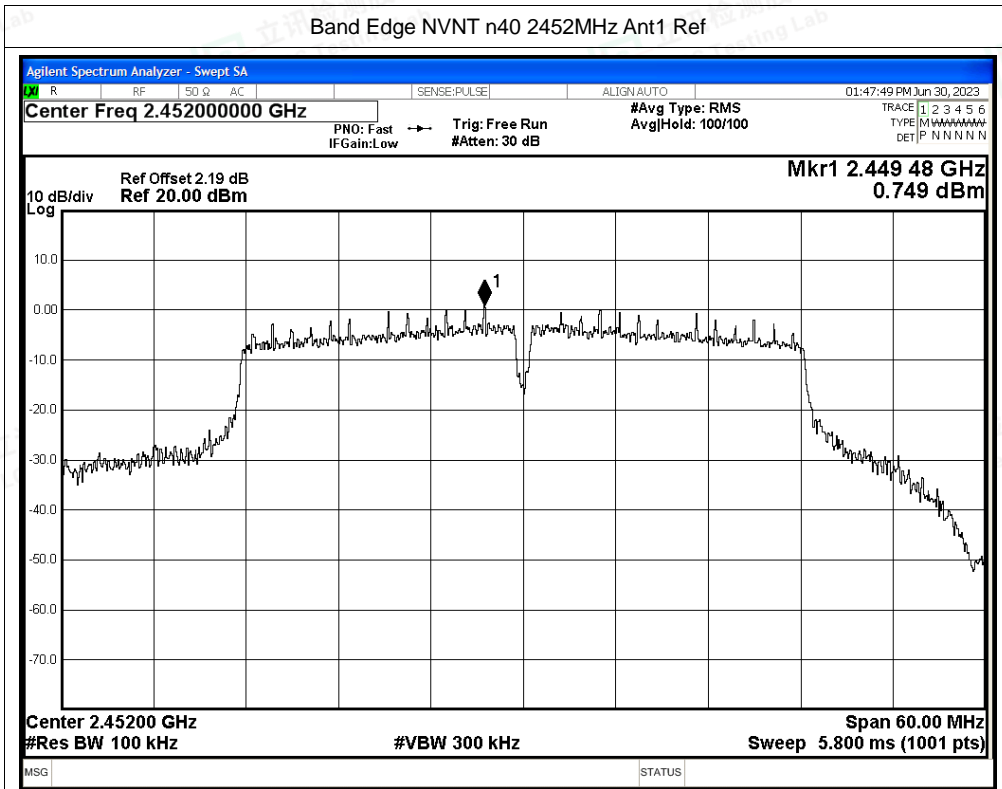
Band Edge NVNT n20 2462MHz Ant1 Emission



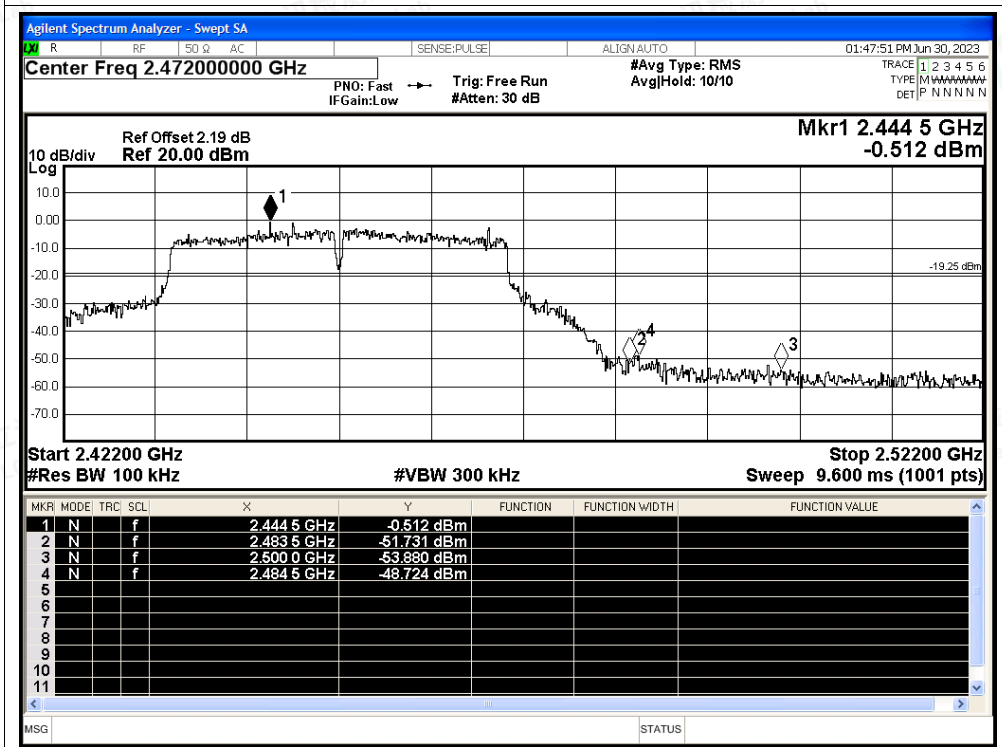


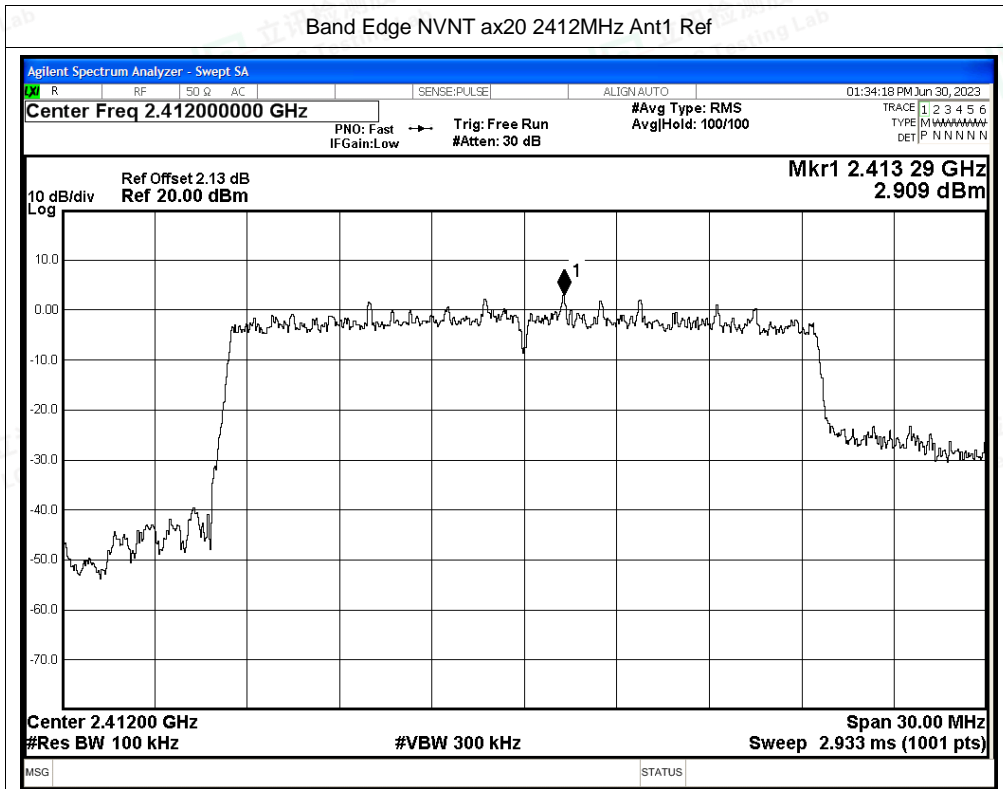


Band Edge NVNT n40 2452MHz Ant1 Ref

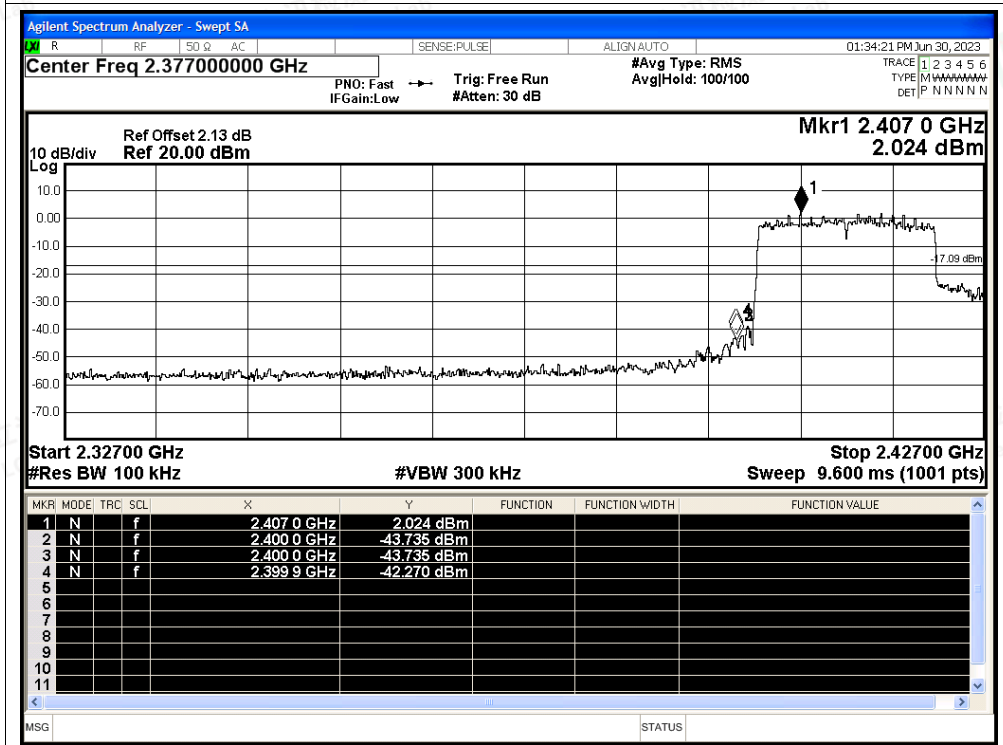


Band Edge NVNT n40 2452MHz Ant1 Emission



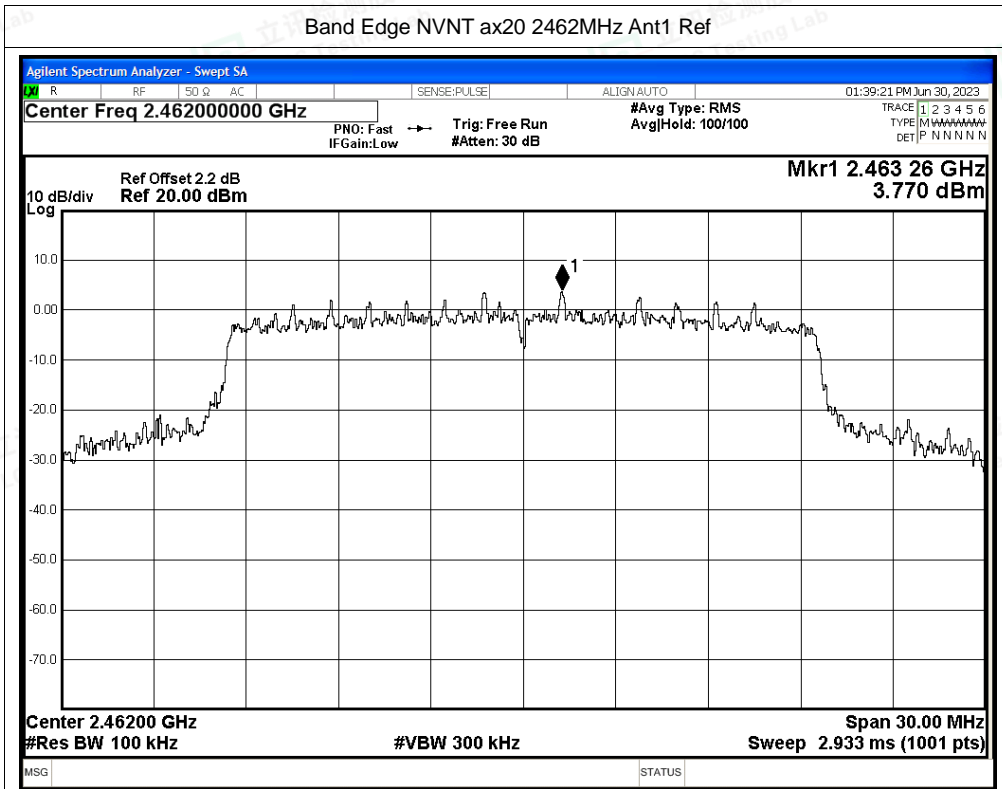


Band Edge NVNT ax20 2412MHz Ant1 Emission

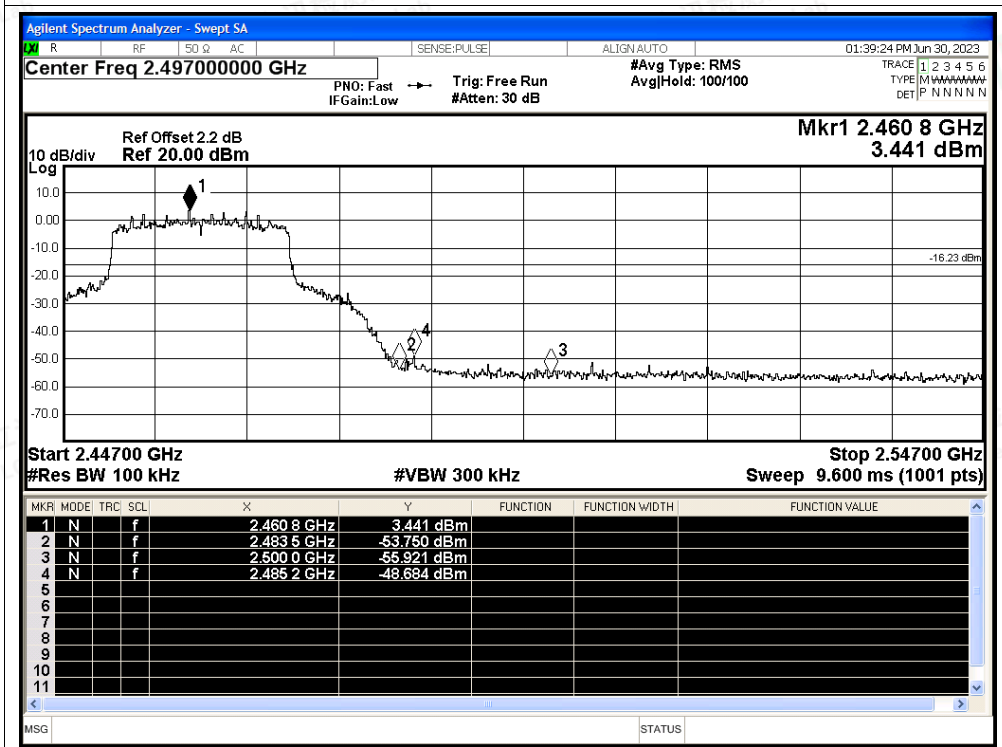


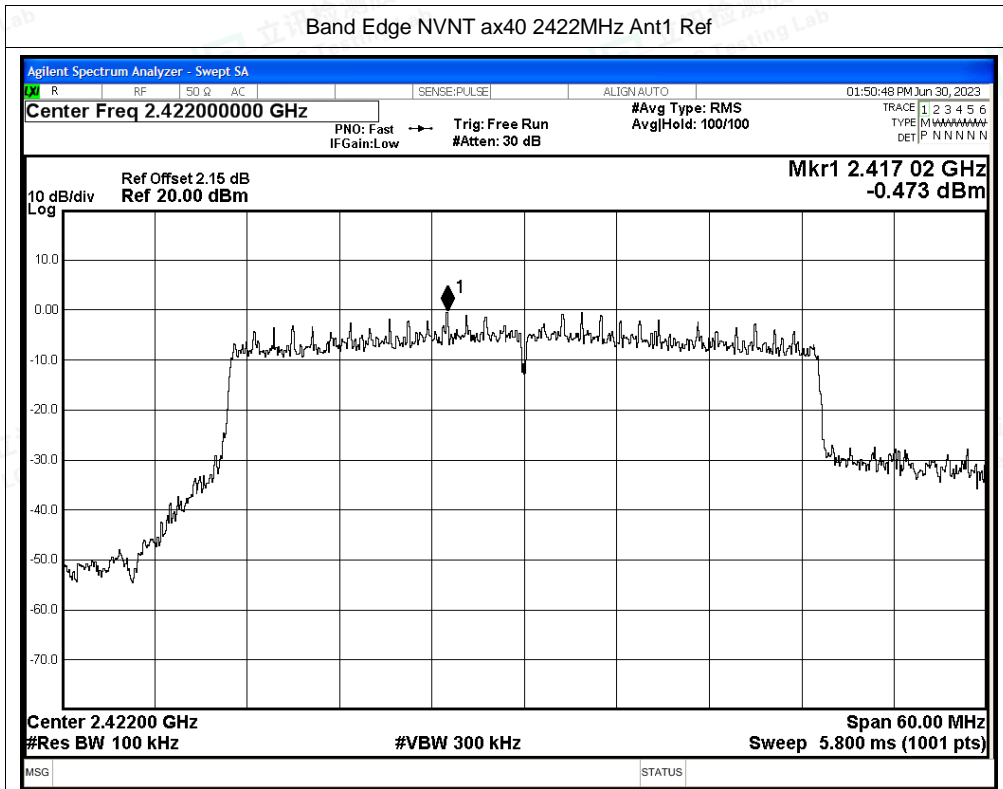


Band Edge NVNT ax20 2462MHz Ant1 Ref

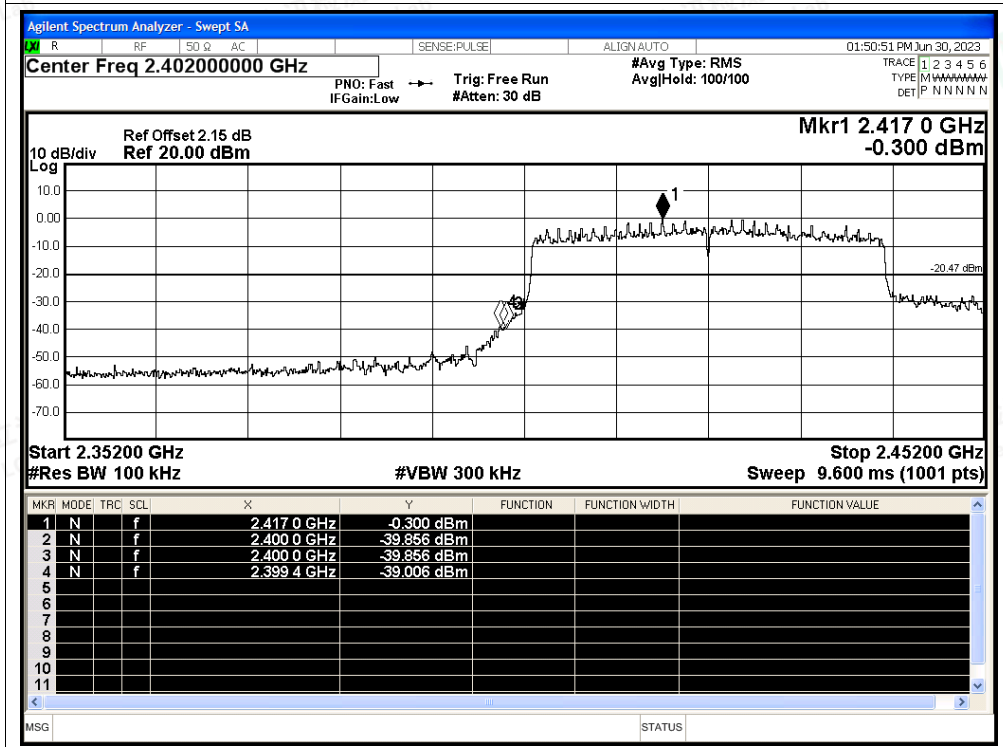


Band Edge NVNT ax20 2462MHz Ant1 Emission



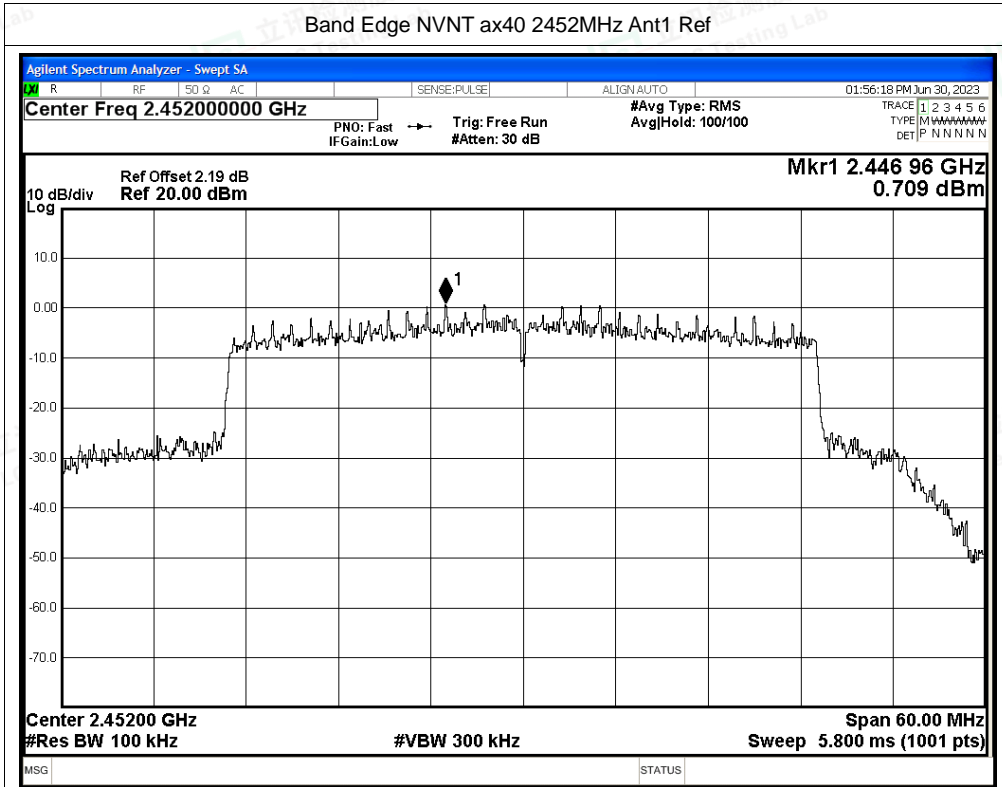


Band Edge NVNT ax40 2422MHz Ant1 Emission

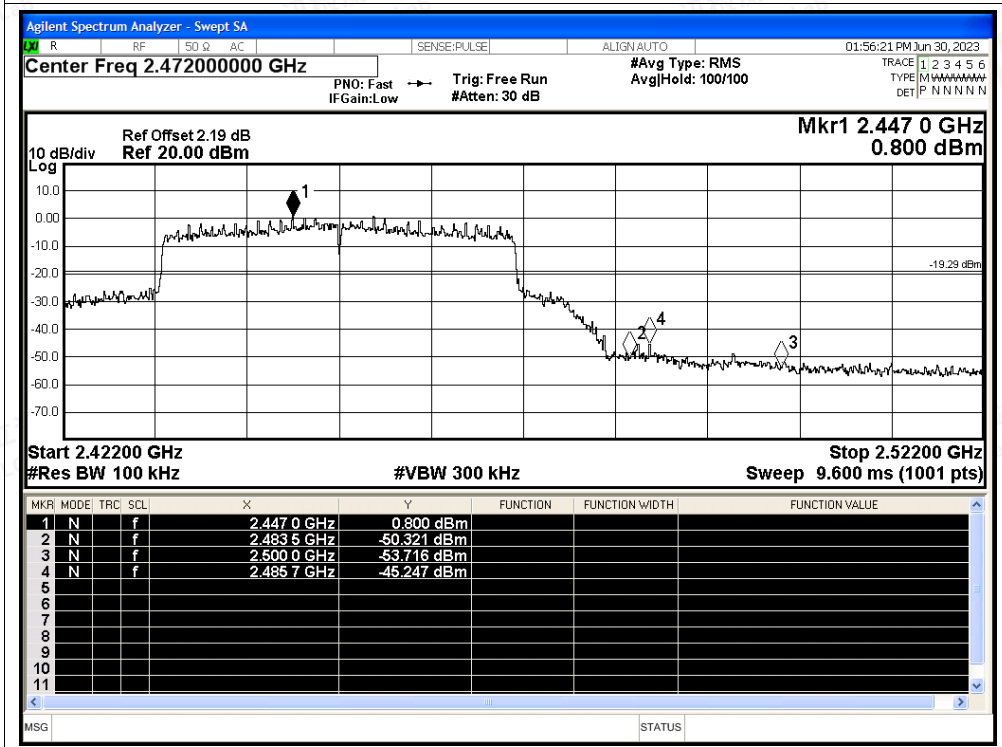




Band Edge NVNT ax40 2452MHz Ant1 Ref



Band Edge NVNT ax40 2452MHz Ant1 Emission





A.5 Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|------|-----------------|---------|-----------------|-------------|---------|
| NVNT | b | 2412 | Ant0 | -52.91 | -20 | Pass |
| NVNT | b | 2437 | Ant0 | -52.91 | -20 | Pass |
| NVNT | b | 2462 | Ant0 | -54.59 | -20 | Pass |
| NVNT | g | 2412 | Ant0 | -48.29 | -20 | Pass |
| NVNT | g | 2437 | Ant0 | -49.49 | -20 | Pass |
| NVNT | g | 2462 | Ant0 | -50.12 | -20 | Pass |
| NVNT | n20 | 2412 | Ant0 | -46.95 | -20 | Pass |
| NVNT | n20 | 2437 | Ant0 | -48.22 | -20 | Pass |
| NVNT | n20 | 2462 | Ant0 | -48.63 | -20 | Pass |
| NVNT | n40 | 2422 | Ant0 | -44.51 | -20 | Pass |
| NVNT | n40 | 2437 | Ant0 | -49.96 | -20 | Pass |
| NVNT | n40 | 2452 | Ant0 | -45.42 | -20 | Pass |
| NVNT | ax20 | 2412 | Ant0 | -46.02 | -20 | Pass |
| NVNT | ax20 | 2437 | Ant0 | -46.82 | -20 | Pass |
| NVNT | ax20 | 2462 | Ant0 | -49.33 | -20 | Pass |
| NVNT | ax40 | 2422 | Ant0 | -44.42 | -20 | Pass |
| NVNT | ax40 | 2437 | Ant0 | -45.09 | -20 | Pass |
| NVNT | ax40 | 2452 | Ant0 | -44.67 | -20 | Pass |

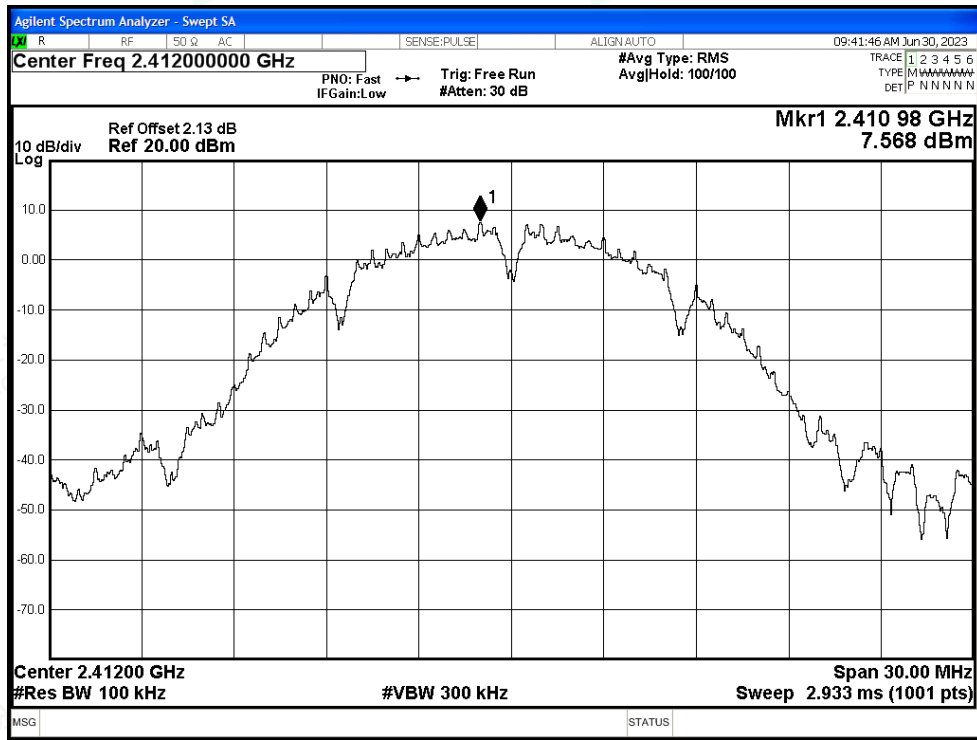


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

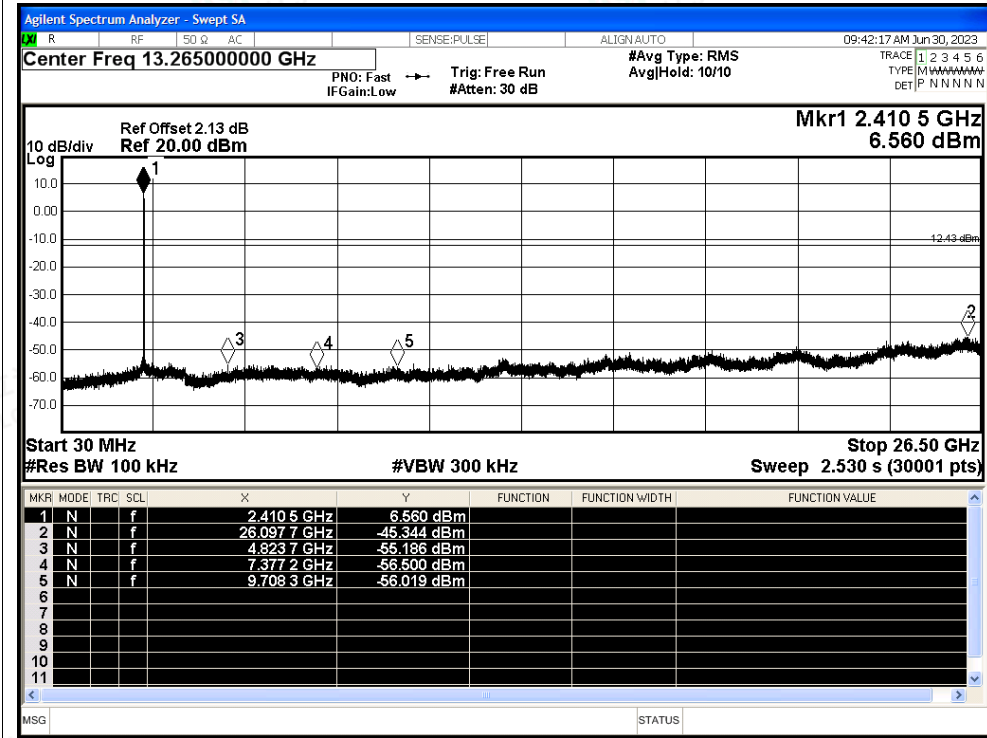


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant0 Ref

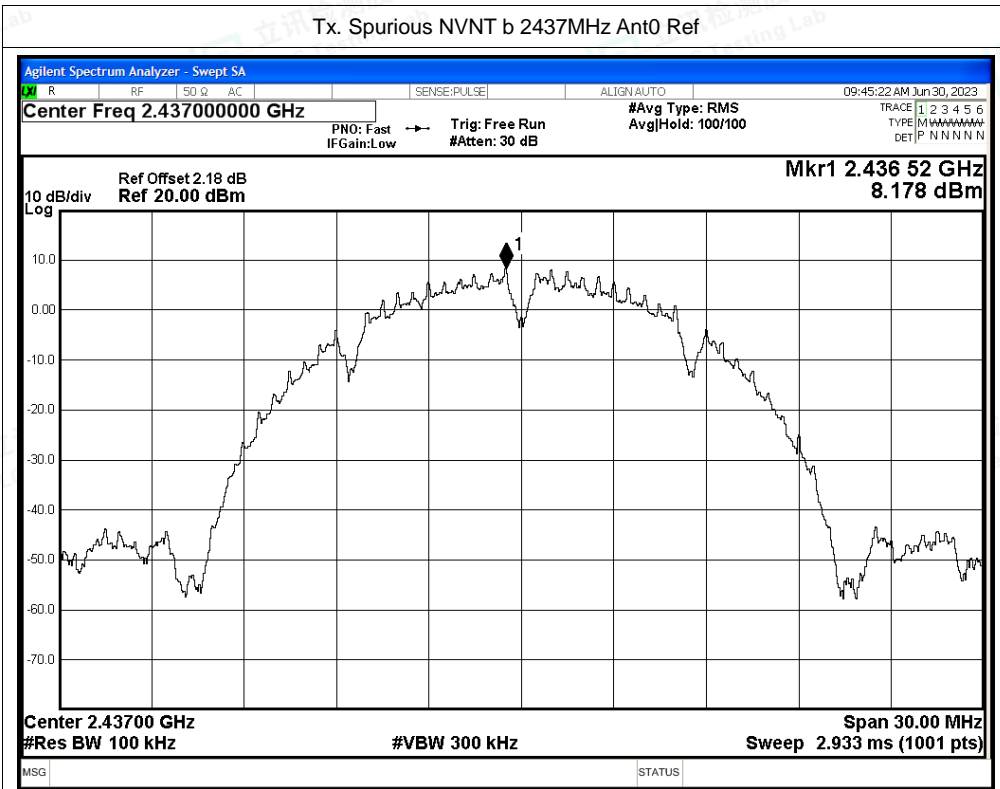


Tx. Spurious NVNT b 2412MHz Ant0 Emission

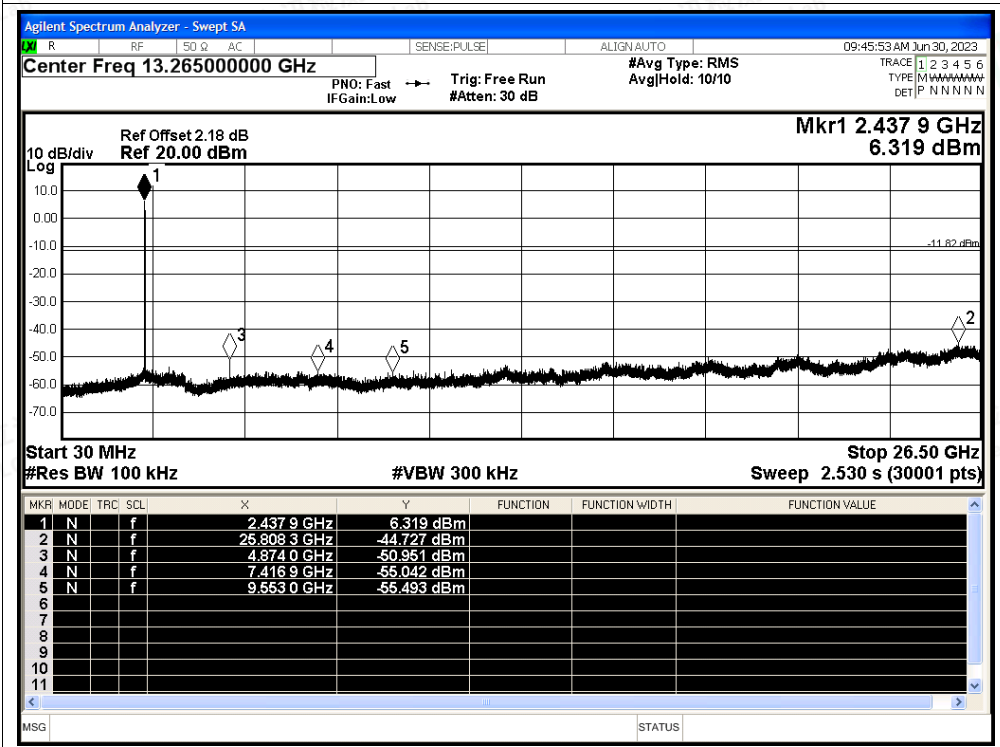




Tx. Spurious NVNT b 2437MHz Ant0 Ref

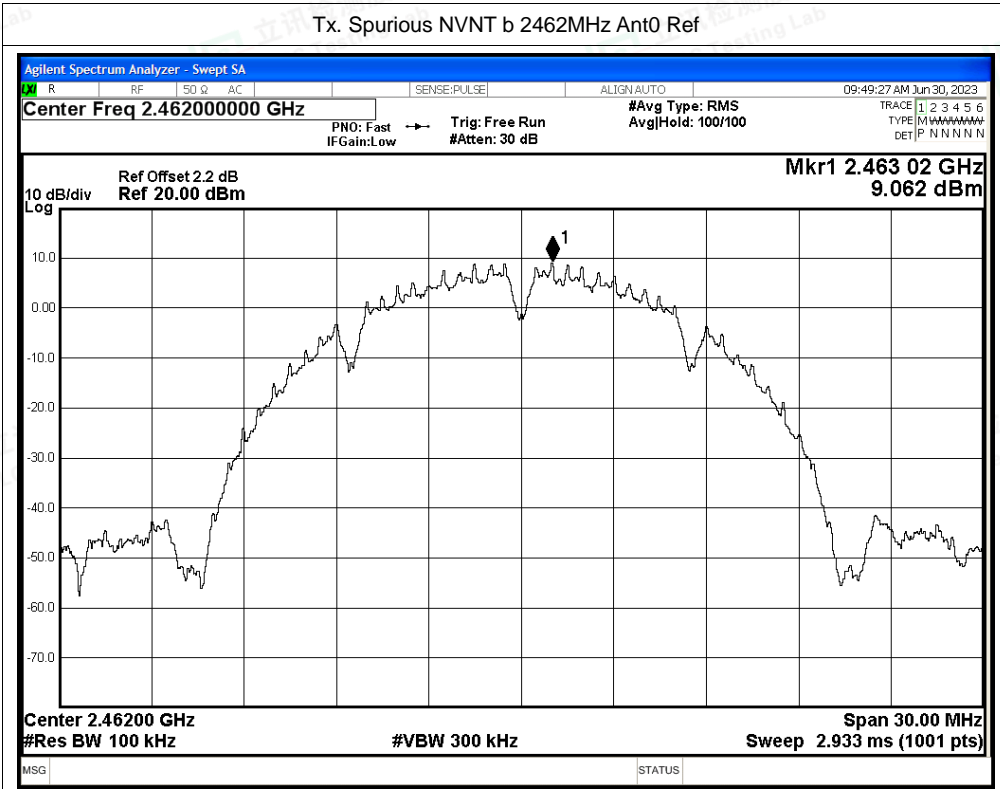


Tx. Spurious NVNT b 2437MHz Ant0 Emission

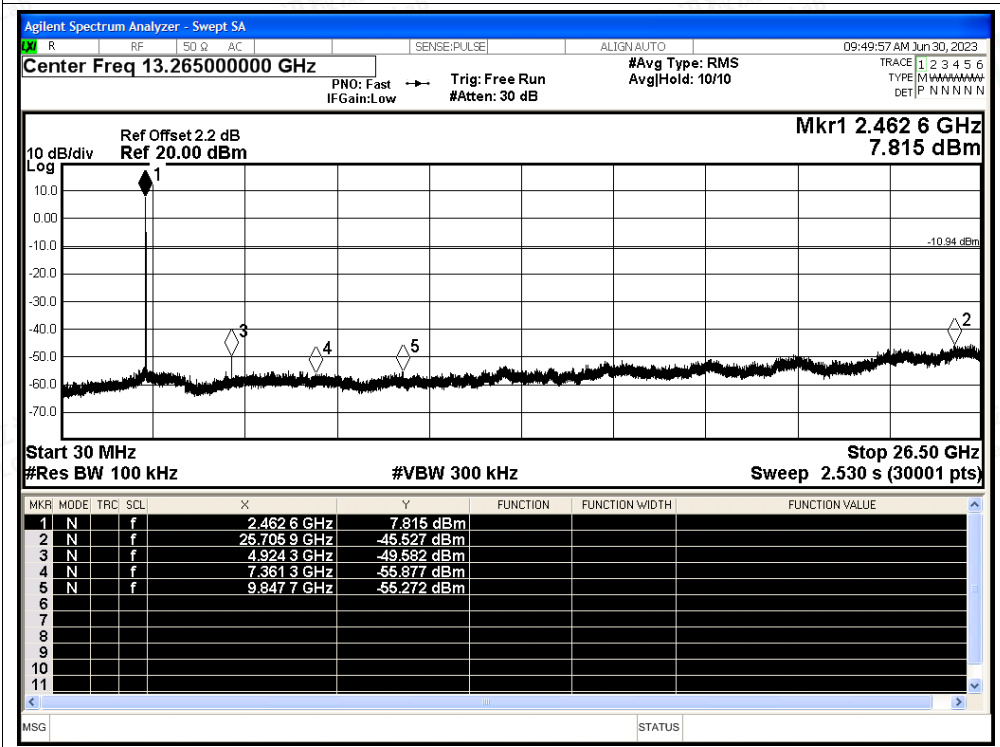




Tx. Spurious NVNT b 2462MHz Ant0 Ref

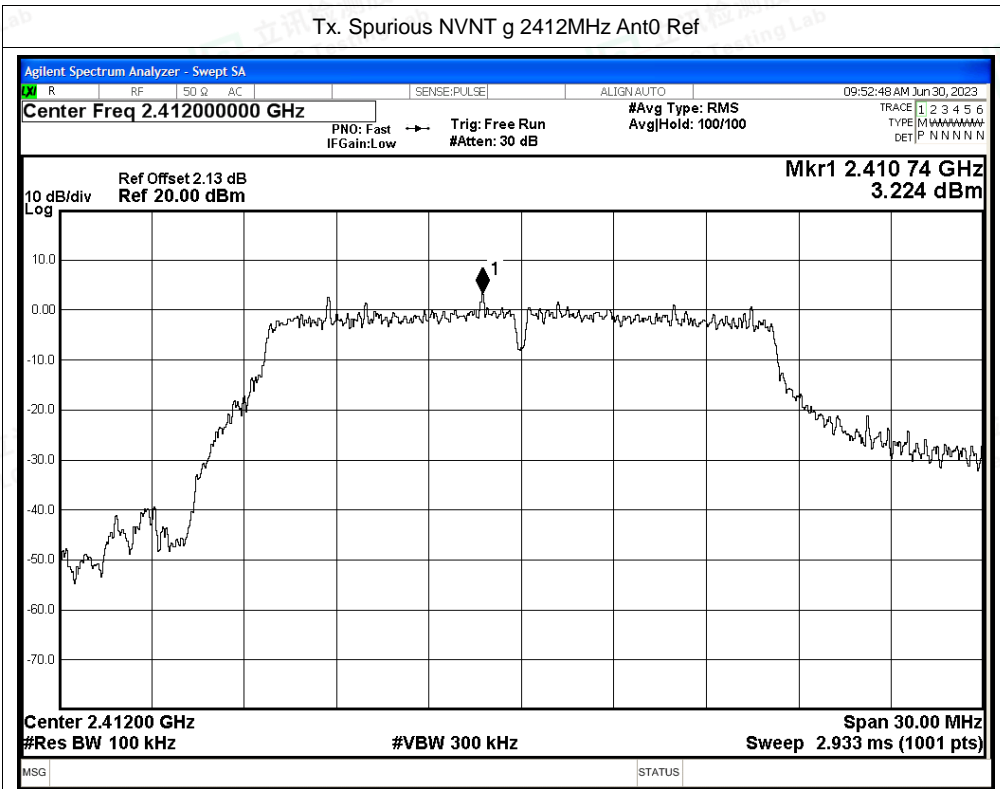


Tx. Spurious NVNT b 2462MHz Ant0 Emission

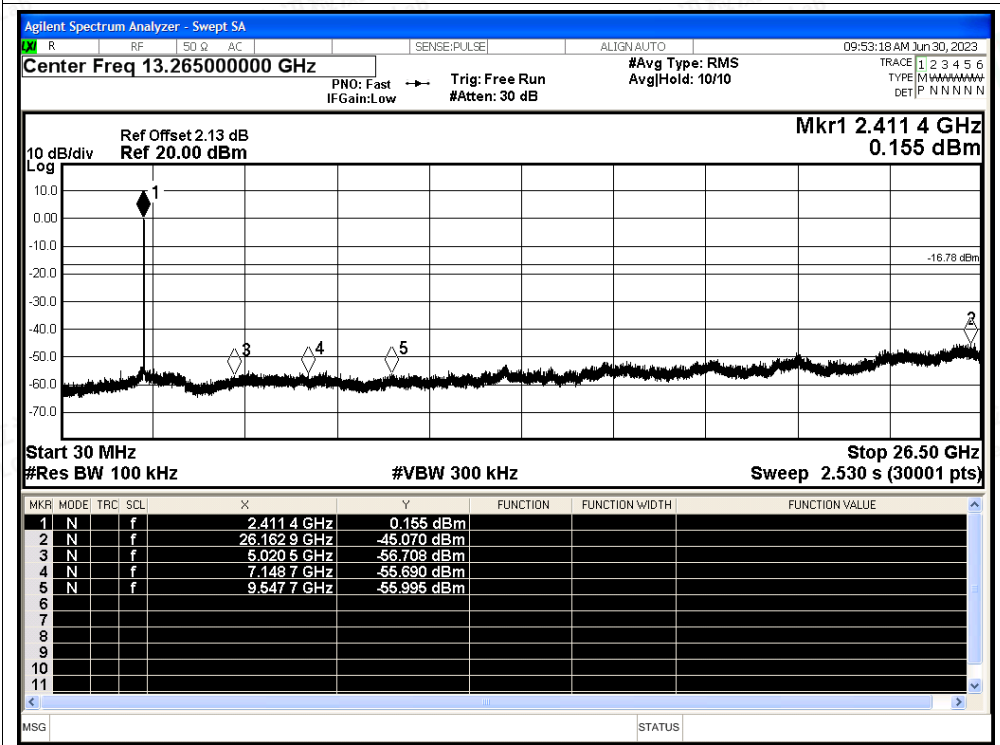




Tx. Spurious NVNT g 2412MHz Ant0 Ref

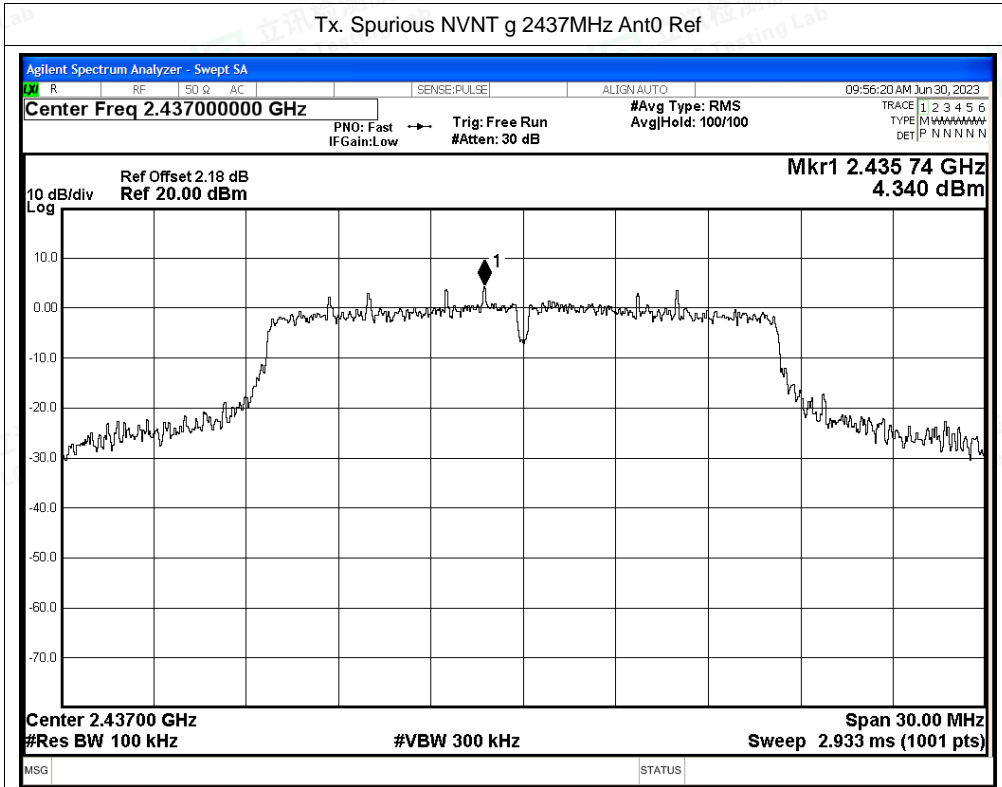


Tx. Spurious NVNT g 2412MHz Ant0 Emission

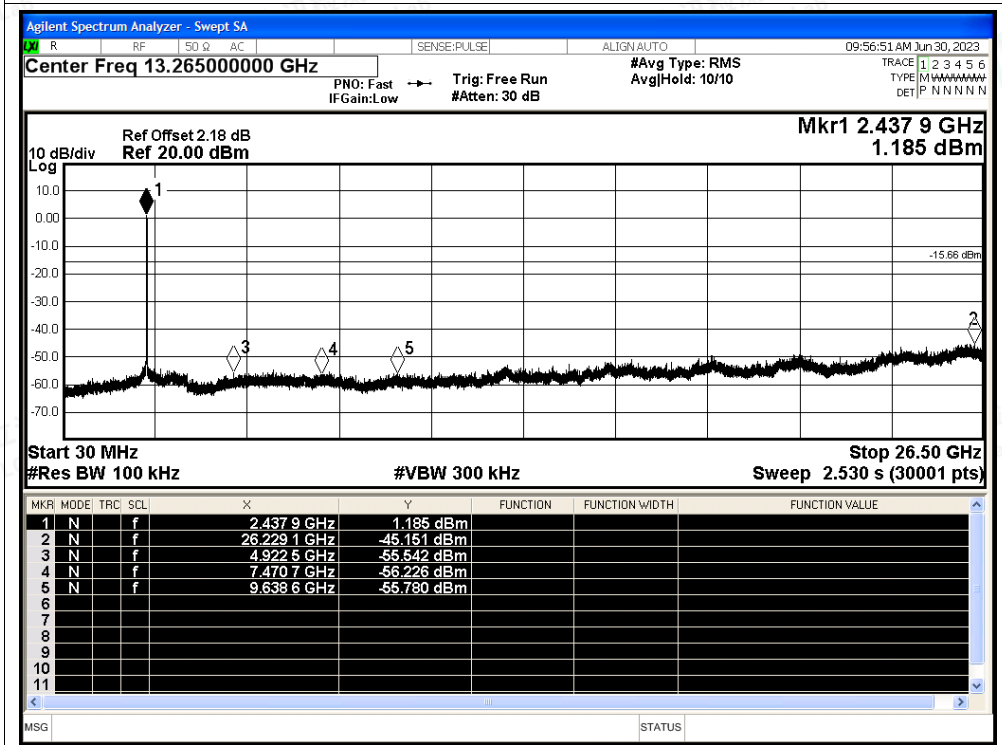




Tx. Spurious NVNT g 2437MHz Ant0 Ref

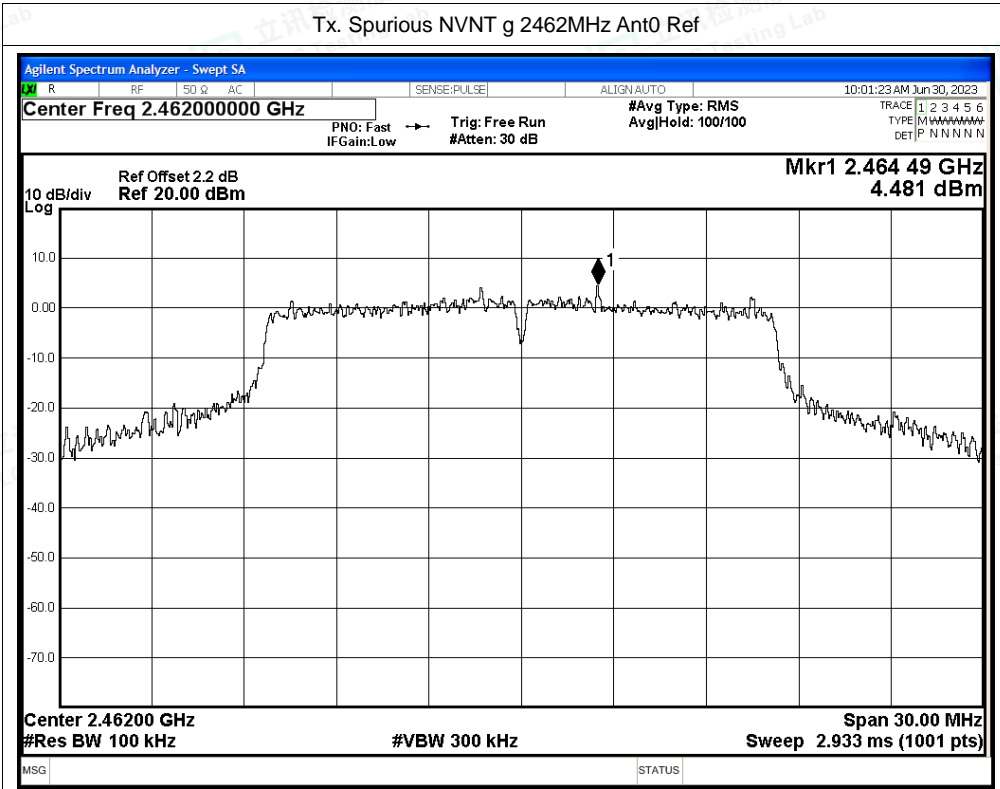


Tx. Spurious NVNT g 2437MHz Ant0 Emission





Tx. Spurious NVNT g 2462MHz Ant0 Ref



Tx. Spurious NVNT g 2462MHz Ant0 Emission

