

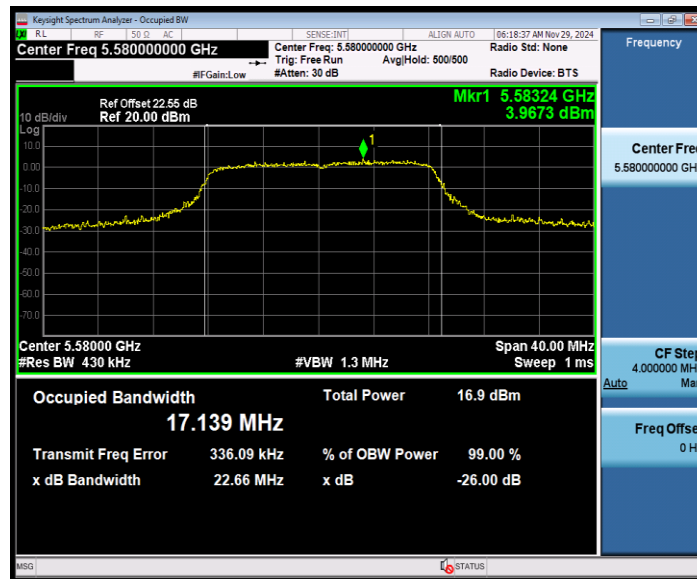


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11A\_Ant1\_5580



11A\_Ant1\_5700

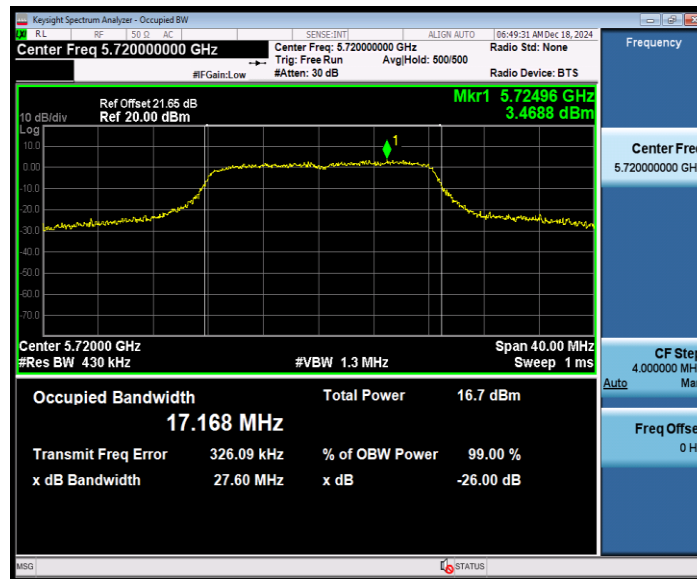


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11A\_Ant1\_5720

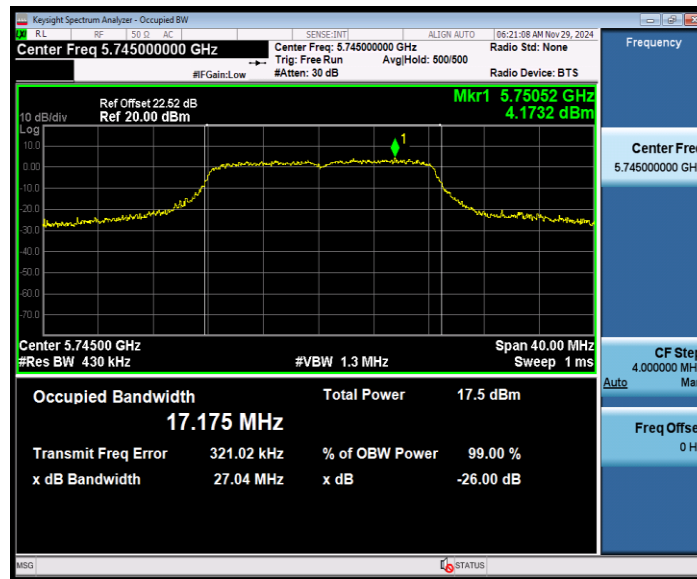


11A\_Ant1\_5745

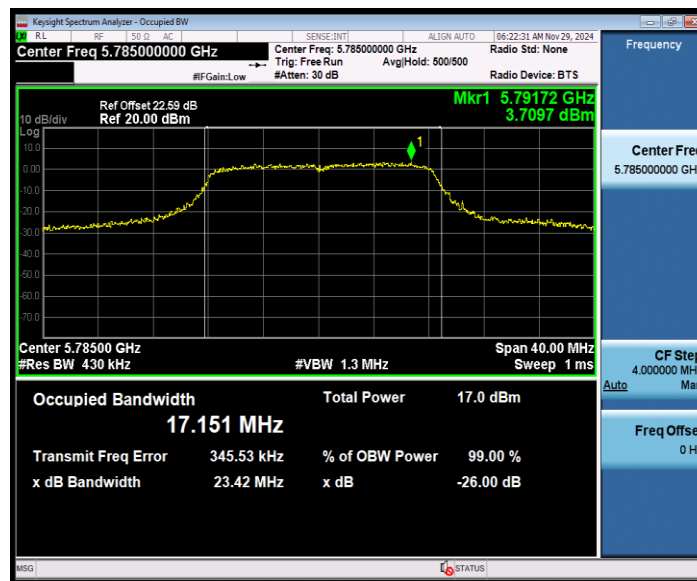


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11A\_Ant1\_5785

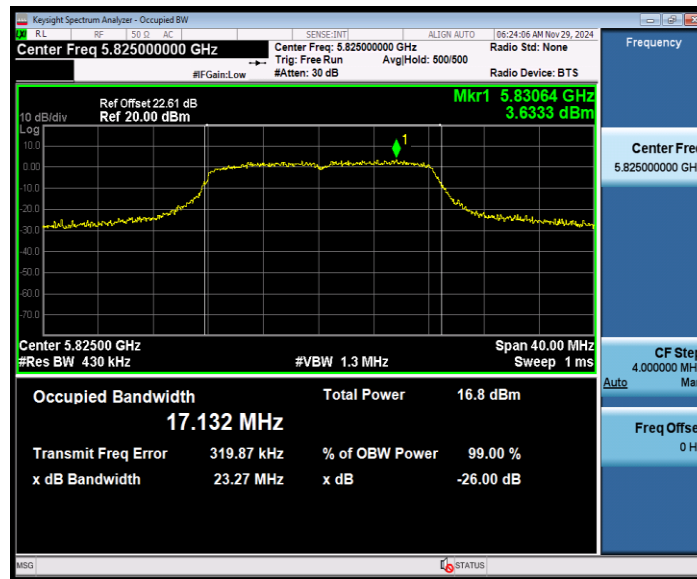


11A\_Ant1\_5825

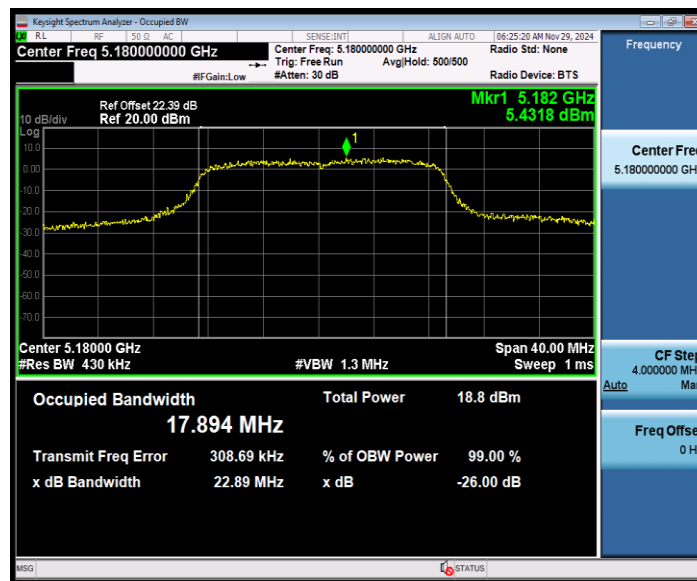


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11N20SISO\_Ant1\_5180

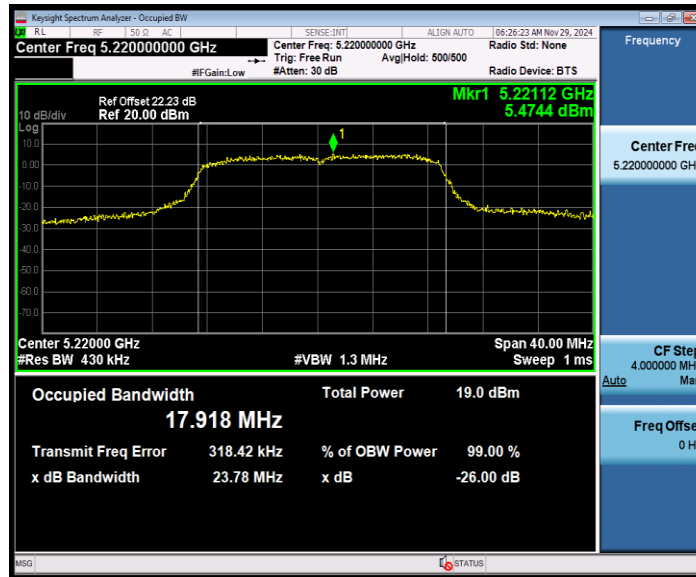


11N20SISO\_Ant1\_5220



BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11N20SISO\_Ant1\_5240

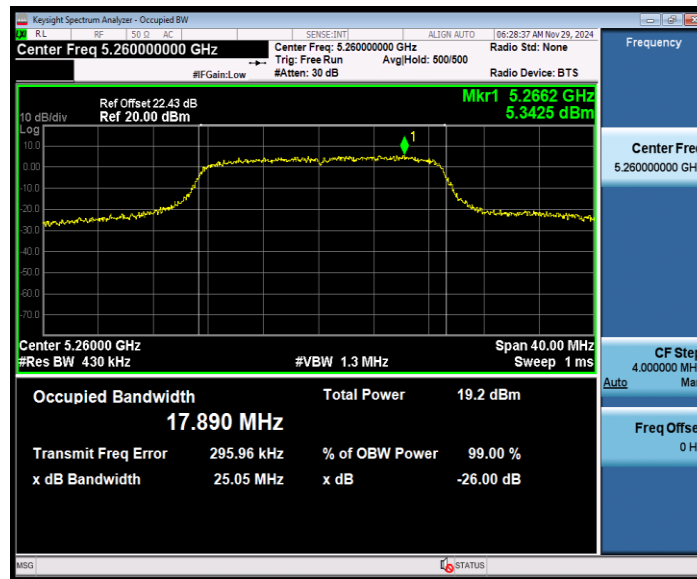


11N20SISO\_Ant1\_5260

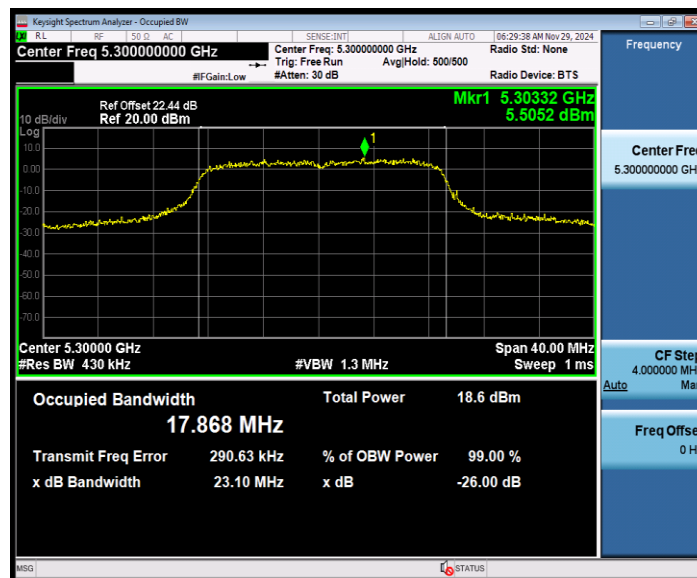


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11N20SISO\_Ant1\_5300

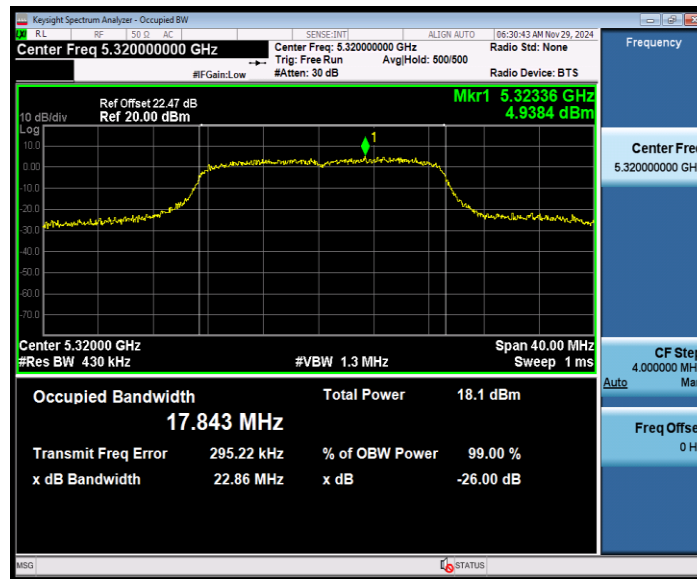


11N20SISO\_Ant1\_5320

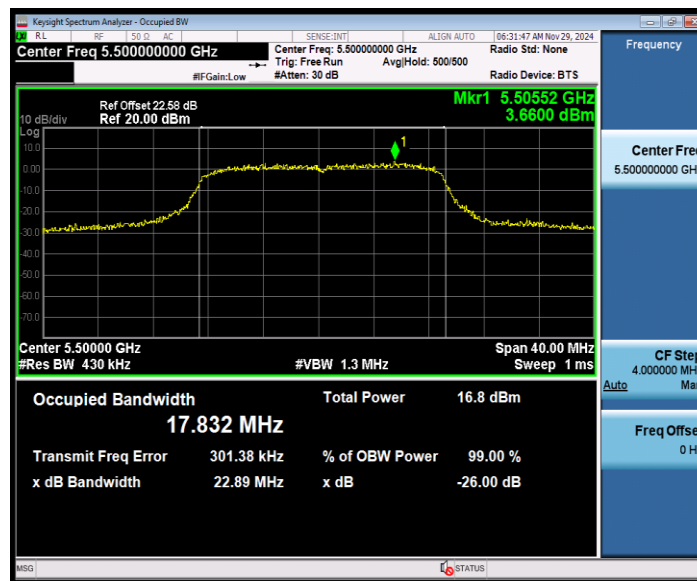


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11N20SISO\_Ant1\_5500

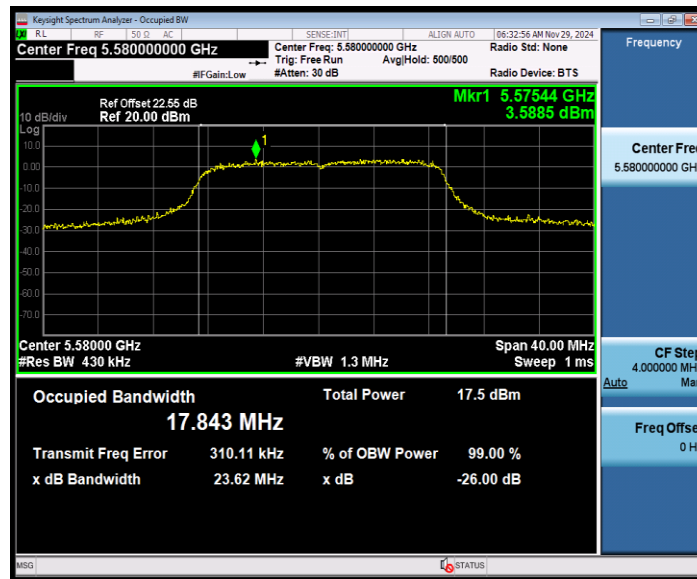


11N20SISO\_Ant1\_5580

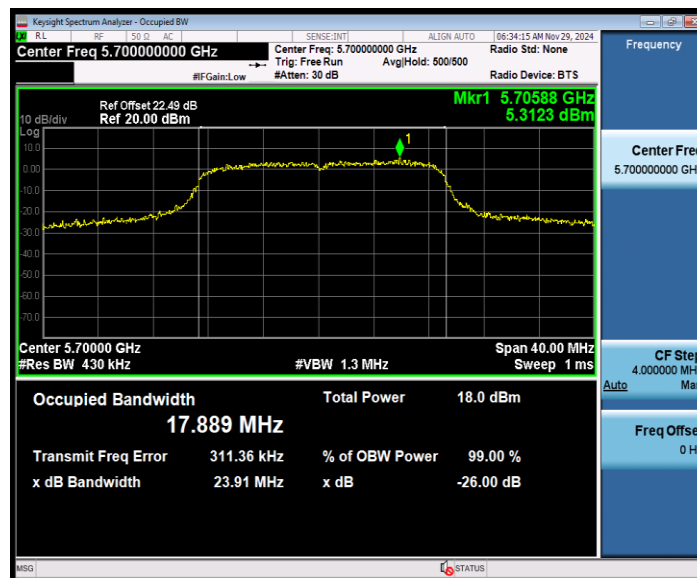


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11N20SISO\_Ant1\_5700



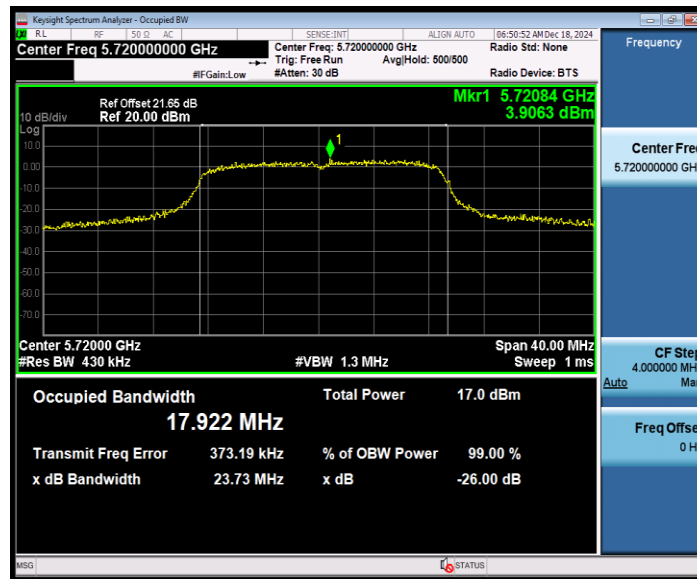
11N20SISO\_Ant1\_5720



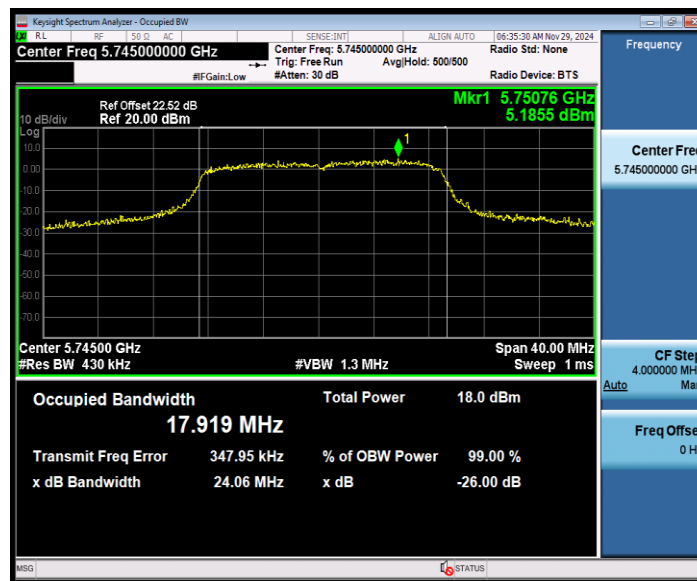


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11N20SISO\_Ant1\_5745

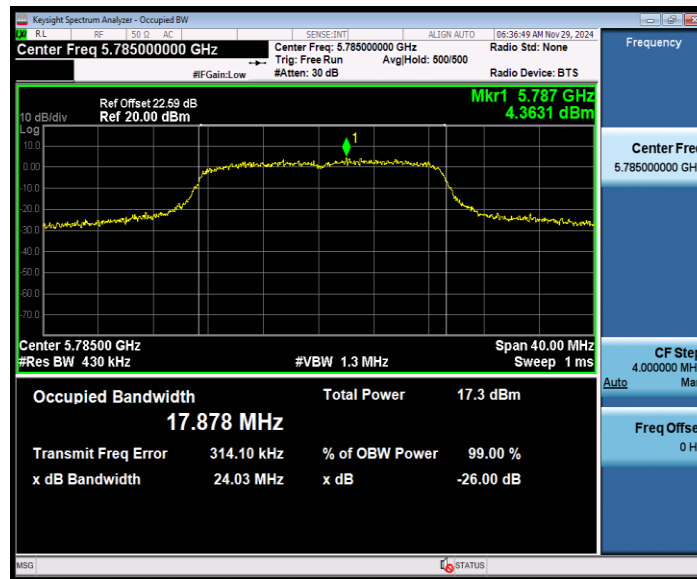


11N20SISO\_Ant1\_5785

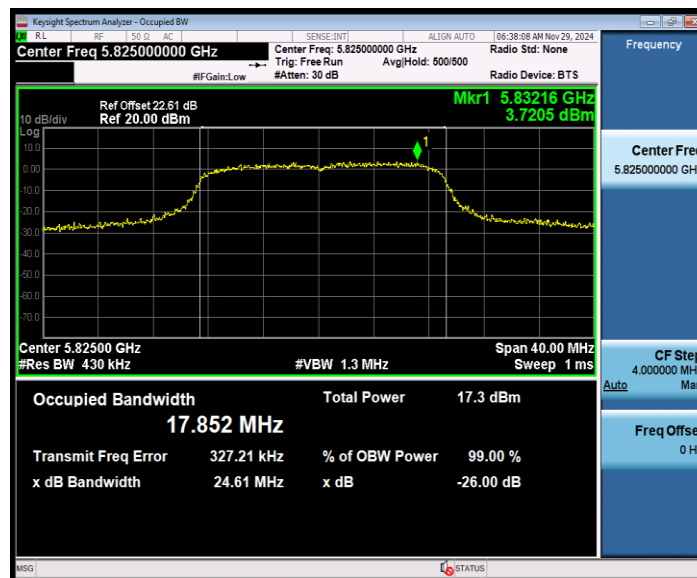


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11N20SISO\_Ant1\_5825





Test Report No.: W7L-241112W001RF03

## MIN EMISSION BANDWIDTH

### TEST RESULT B4

| TestMode  | Antenna | Frequency[MHz] | 6db EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|------------------|----------|----------|------------|---------|
| 11A       | Ant1    | 5745           | 15.440           | 5737.680 | 5753.120 | 0.5        | PASS    |
|           |         | 5785           | 15.640           | 5777.720 | 5793.360 | 0.5        | PASS    |
|           |         | 5825           | 14.120           | 5818.960 | 5833.080 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 5745           | 15.520           | 5737.760 | 5753.280 | 0.5        | PASS    |
|           |         | 5785           | 15.040           | 5778.120 | 5793.160 | 0.5        | PASS    |
|           |         | 5825           | 16.200           | 5817.280 | 5833.480 | 0.5        | PASS    |

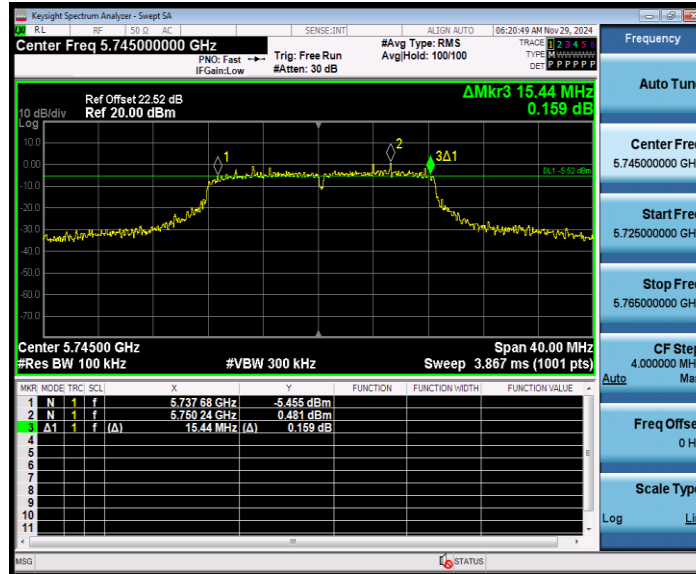


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03

## TEST GRAPHS B4

11A\_Ant1\_5745



11A\_Ant1\_5785



11A\_Ant1\_5825



**Test Report No.: W7L-241112W001RF03**



11N20SISO\_Ant1\_5745



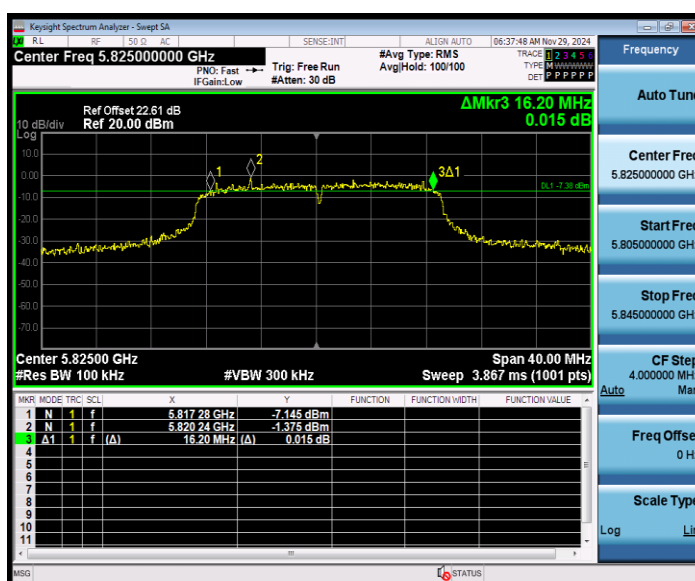
11N20SISO\_Ant1\_5785



**Test Report No.: W7L-241112W001RF03**



11N20SISO\_Ant1\_5825





Test Report No.: W7L-241112W001RF03

## DUTY CYCLE

### TEST RESULT

| TestMode  | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Limit | Verdict |
|-----------|---------|-----------|----------------------------|--------------------------|----------------|-------|---------|
| 11A       | Ant1    | 5180      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5220      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5240      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5260      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5300      | 2.04                       | 2.06                     | 99.03          | ---   | ---     |
|           |         | 5320      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5500      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5580      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5700      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5720      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5745      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5785      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
|           |         | 5825      | 2.03                       | 2.05                     | 99.02          | ---   | ---     |
| 11N20SISO | Ant1    | 5180      | 1.71                       | 1.73                     | 98.84          | ---   | ---     |
|           |         | 5220      | 1.70                       | 1.72                     | 98.84          | ---   | ---     |
|           |         | 5240      | 1.71                       | 1.73                     | 98.84          | ---   | ---     |
|           |         | 5260      | 1.70                       | 1.72                     | 98.84          | ---   | ---     |
|           |         | 5300      | 1.71                       | 1.73                     | 98.84          | ---   | ---     |
|           |         | 5320      | 1.70                       | 1.72                     | 98.84          | ---   | ---     |
|           |         | 5500      | 1.71                       | 1.73                     | 98.84          | ---   | ---     |
|           |         | 5580      | 1.71                       | 1.73                     | 98.84          | ---   | ---     |
|           |         | 5700      | 1.70                       | 1.72                     | 98.84          | ---   | ---     |
|           |         | 5720      | 1.71                       | 1.73                     | 98.84          | ---   | ---     |
|           |         | 5745      | 1.71                       | 1.73                     | 98.84          | ---   | ---     |
|           |         | 5785      | 1.71                       | 1.73                     | 98.84          | ---   | ---     |
|           |         | 5825      | 1.71                       | 1.73                     | 98.84          | ---   | ---     |

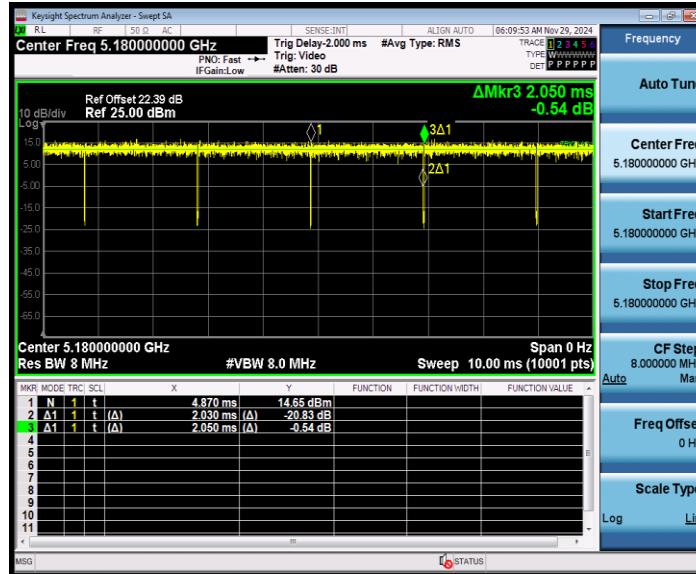


BUREAU  
VERITAS

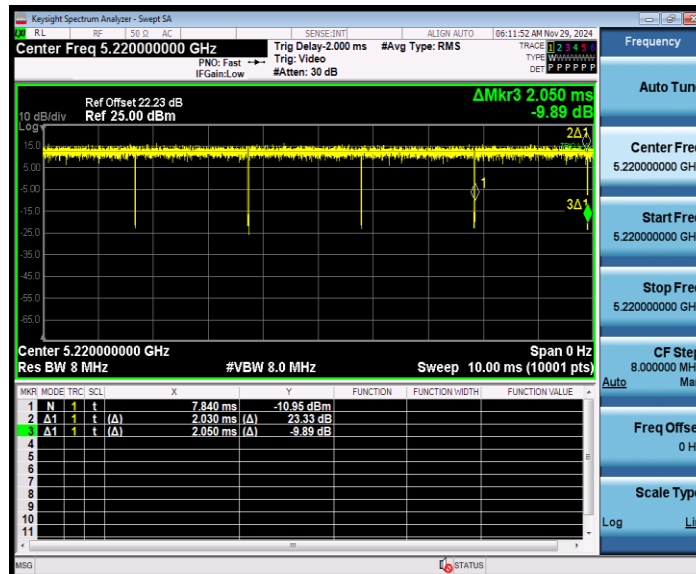
Test Report No.: W7L-241112W001RF03

## TEST GRAPHS

11A\_Ant1\_5180



11A\_Ant1\_5220



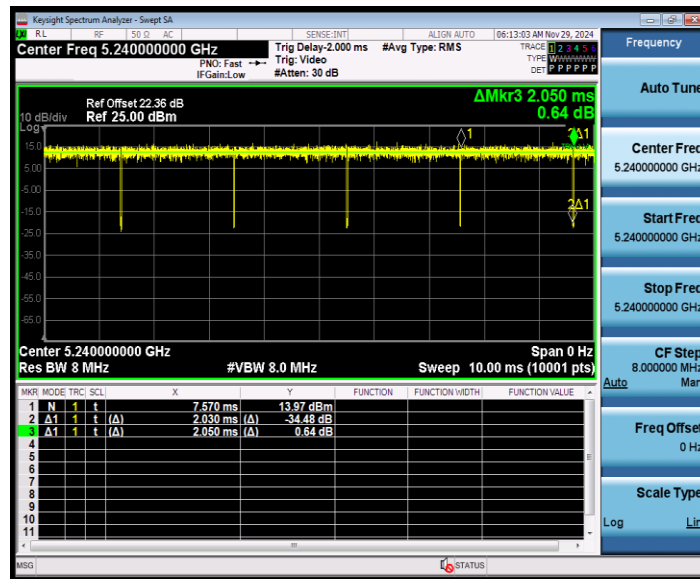
11A\_Ant1\_5240



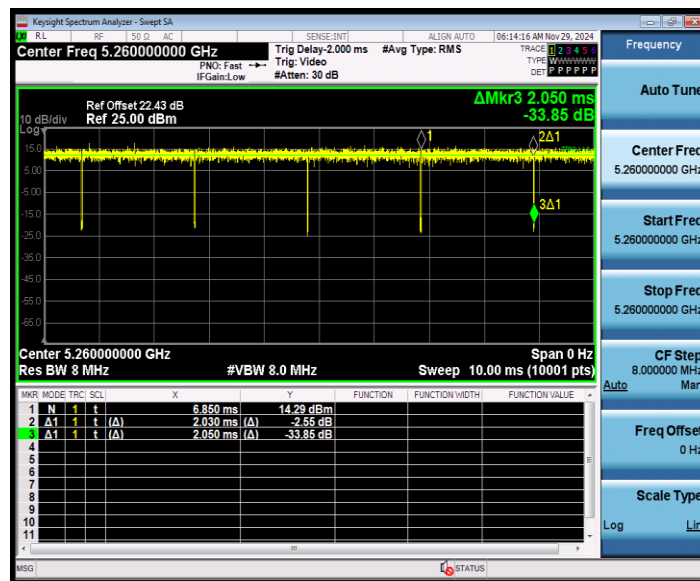


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11A\_Ant1\_5260

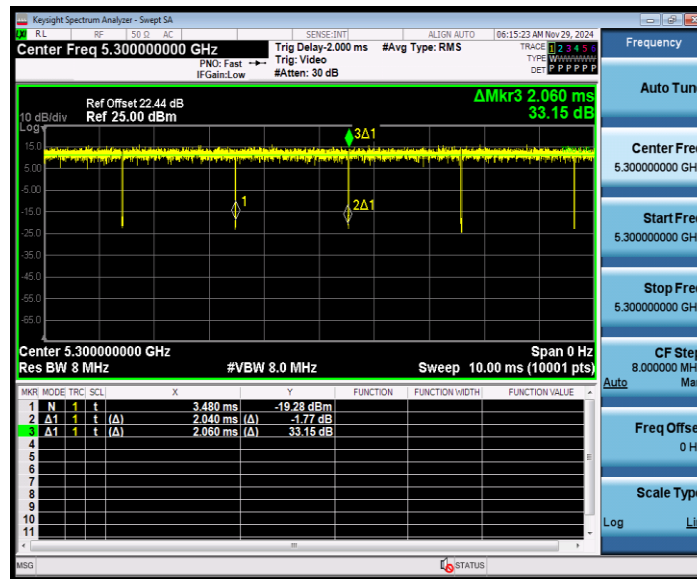


11A\_Ant1\_5300

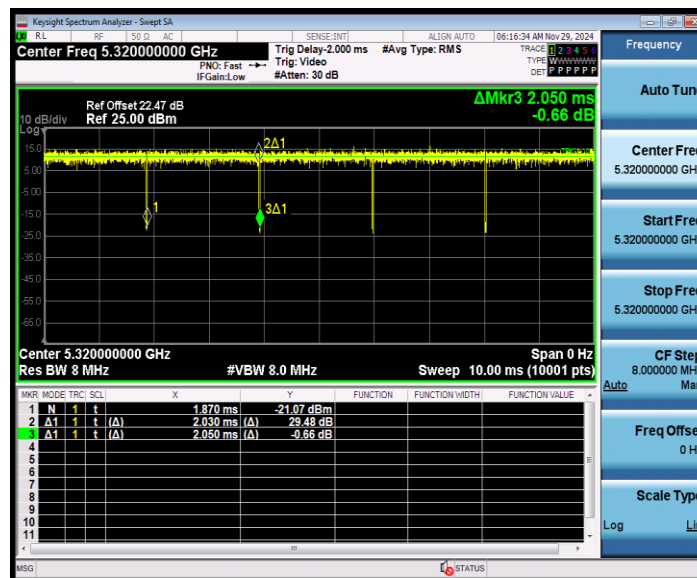


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11A\_Ant1\_5320

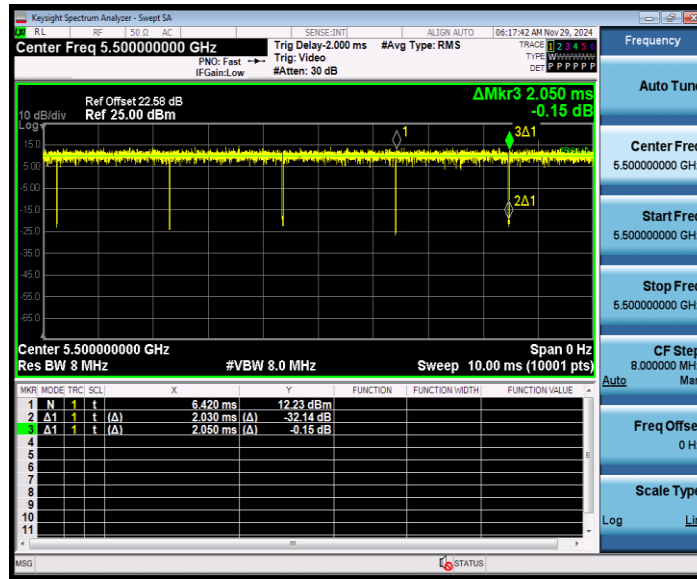


11A\_Ant1\_5500

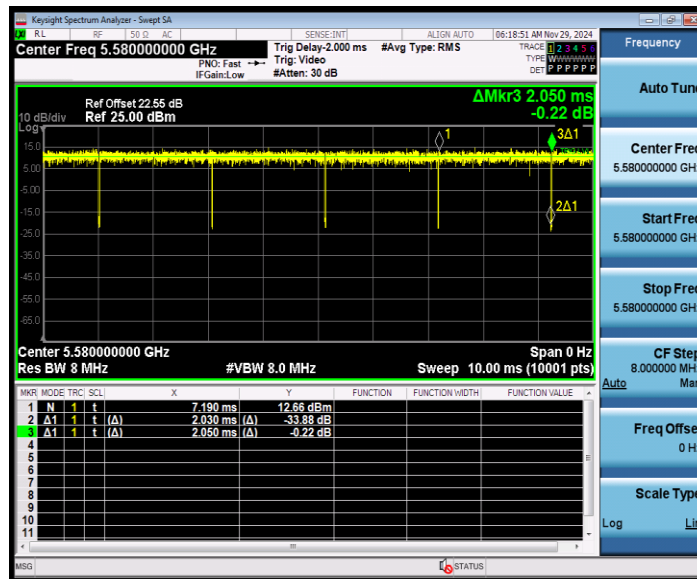


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



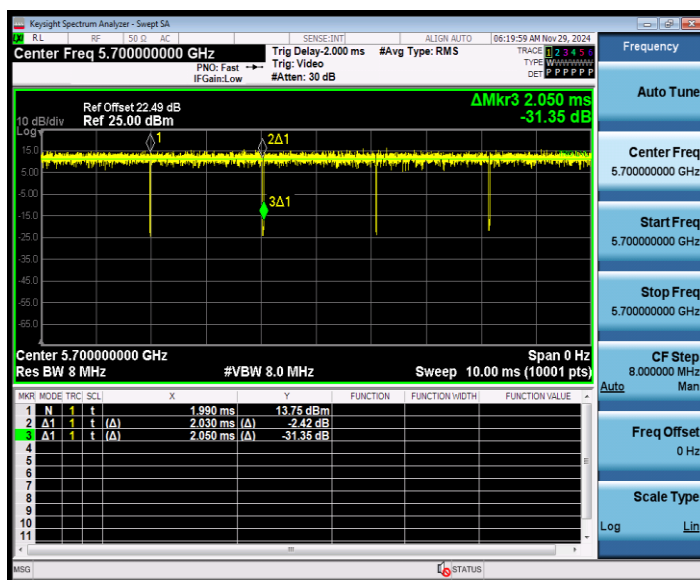
11A\_Ant1\_5580



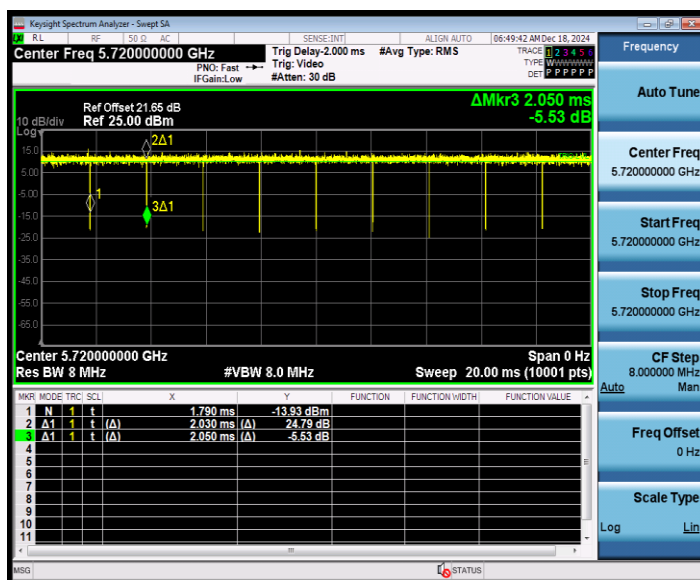
11A\_Ant1\_5700



**Test Report No.: W7L-241112W001RF03**



11A Ant1 5720

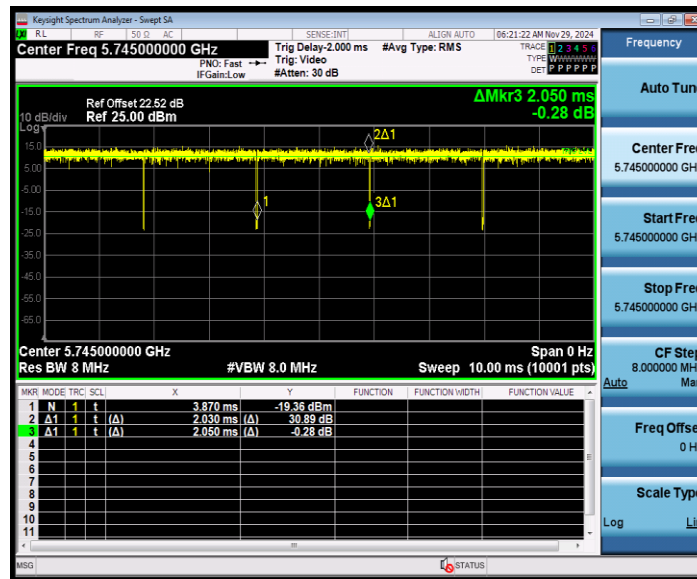


11A Ant1 5745

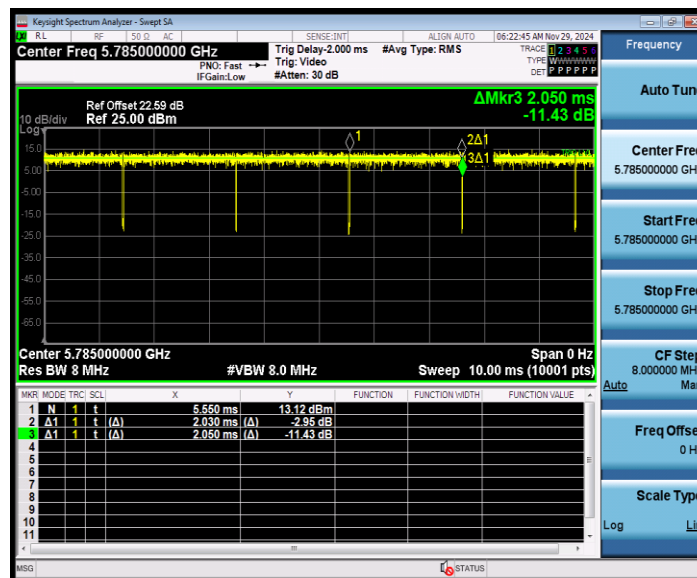


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



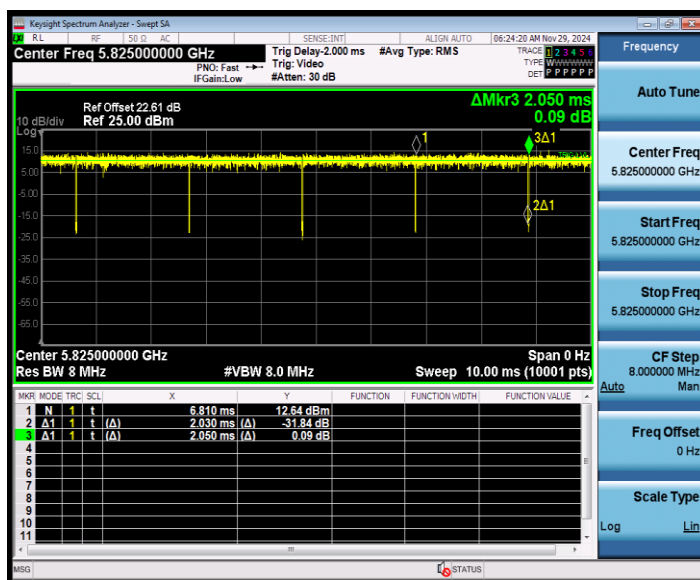
11A\_Ant1\_5785



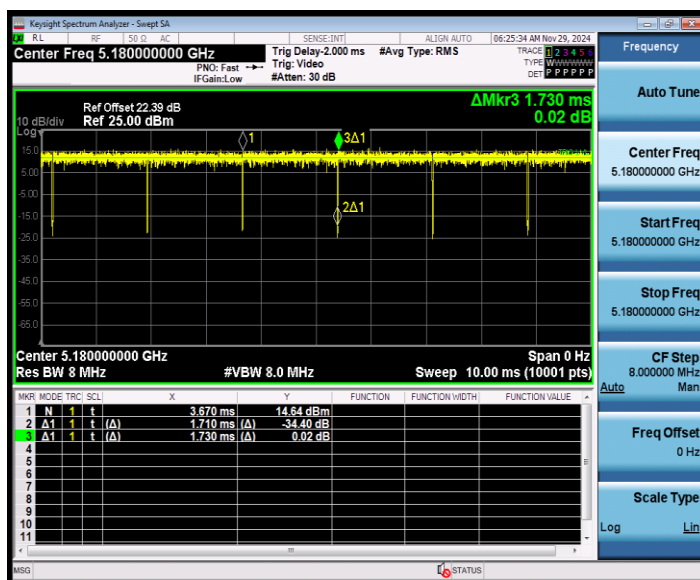
11A\_Ant1\_5825



**Test Report No.: W7L-241112W001RF03**



11N20SISO\_Ant1\_5180

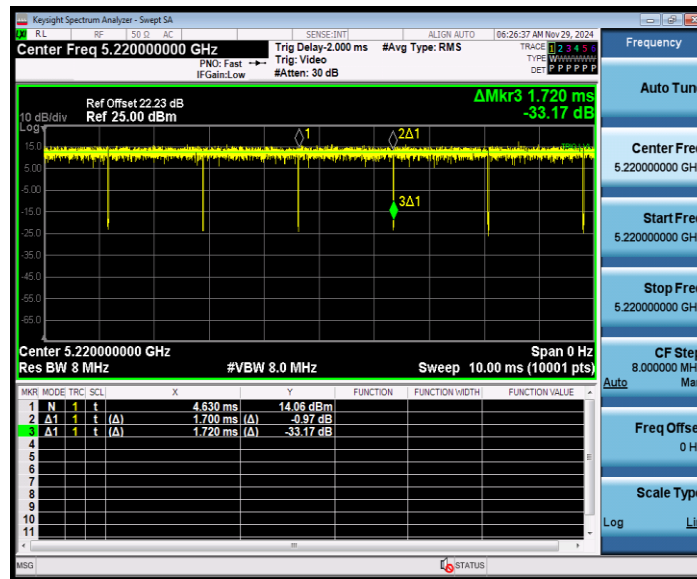


11N20SISO\_Ant1\_5220

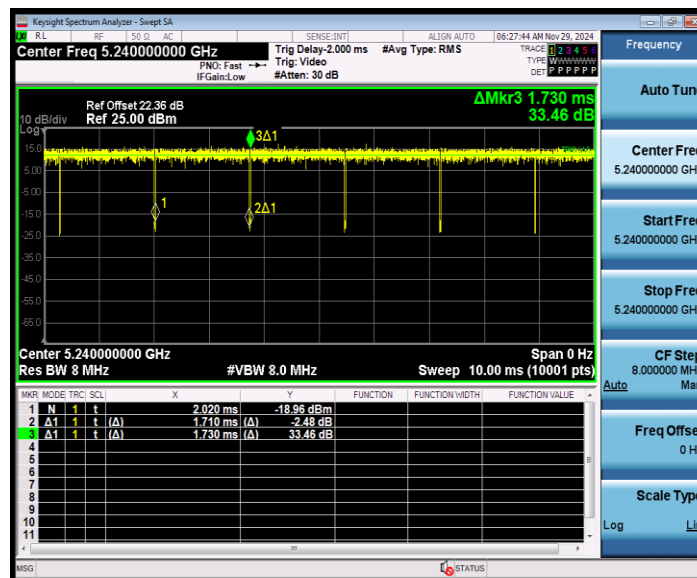


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



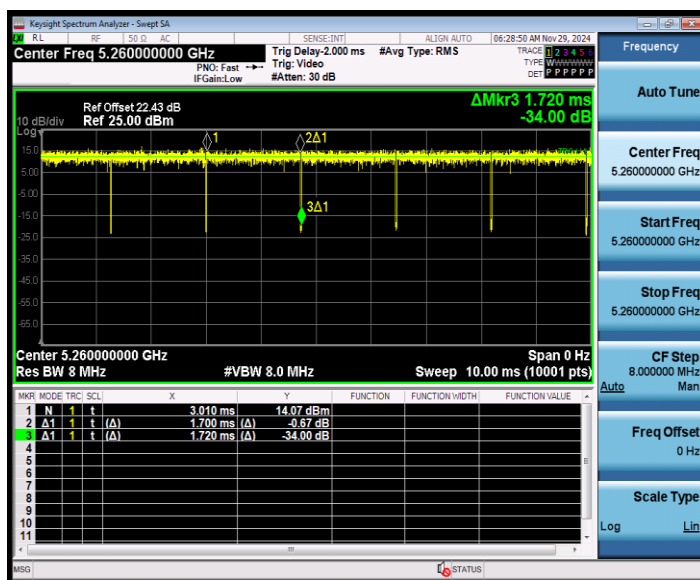
11N20SISO\_Ant1\_5240



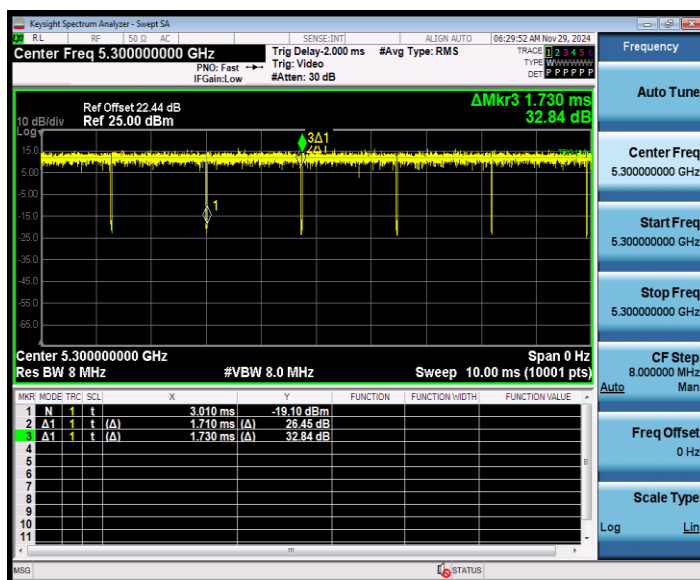
11N20SISO\_Ant1\_5260



**Test Report No.: W7L-241112W001RF03**



11N20SISO\_Ant1\_5300



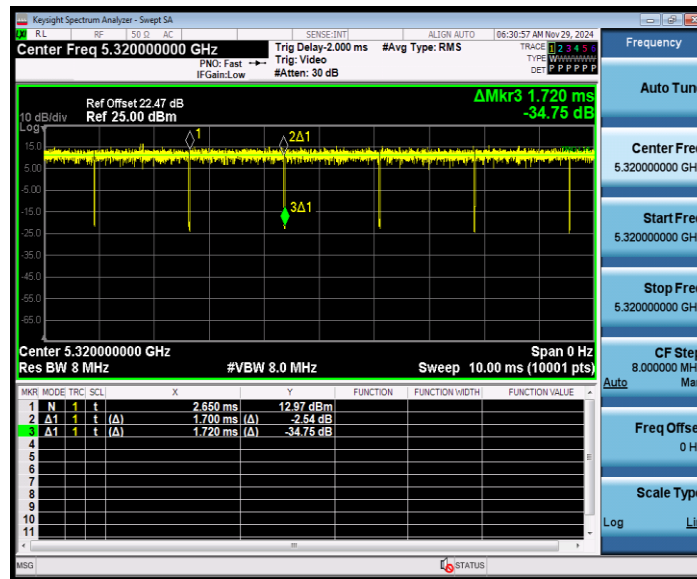
11N20SISO\_Ant1\_5320



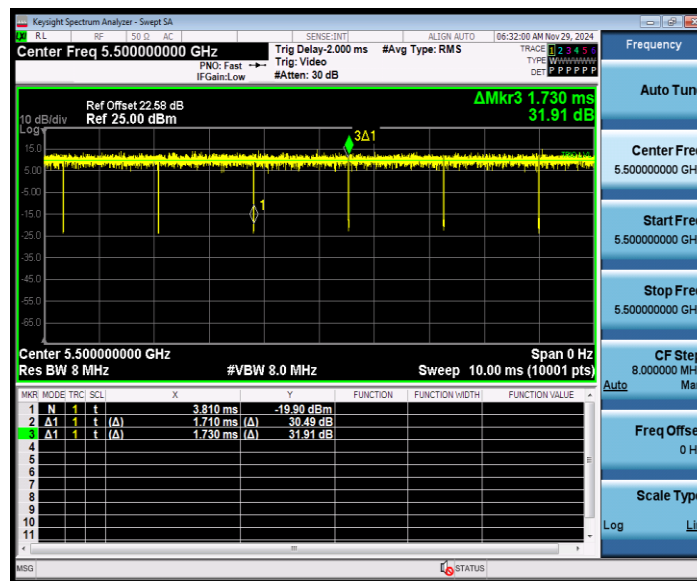


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11N20SISO\_Ant1\_5500

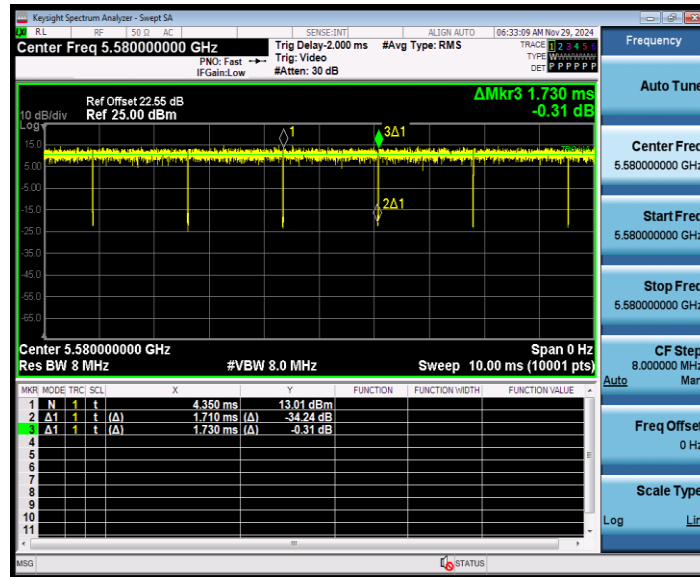


11N20SISO\_Ant1\_5580

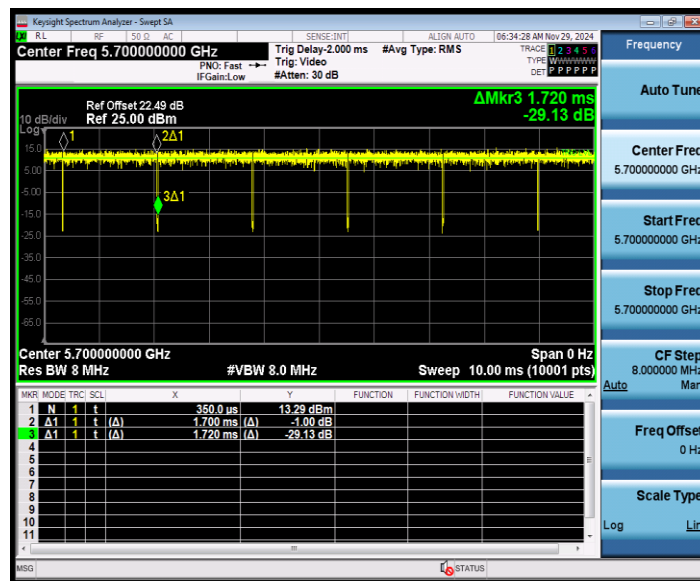


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



11N20SISO\_Ant1\_5700

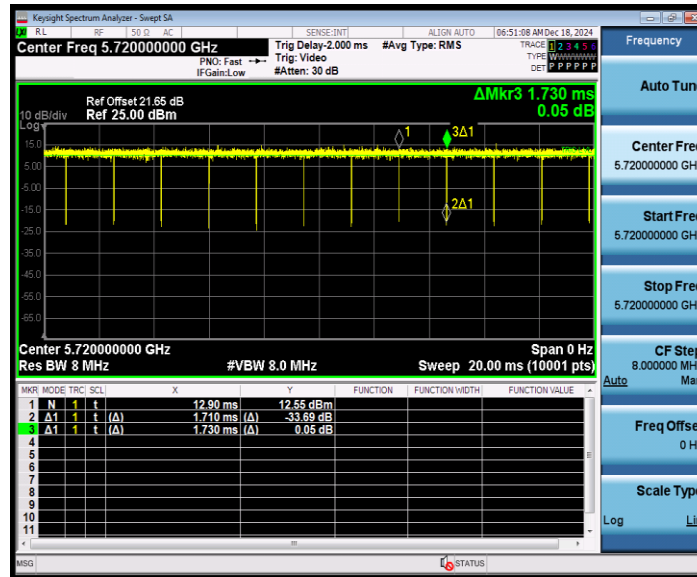


11N20SISO\_Ant1\_5720

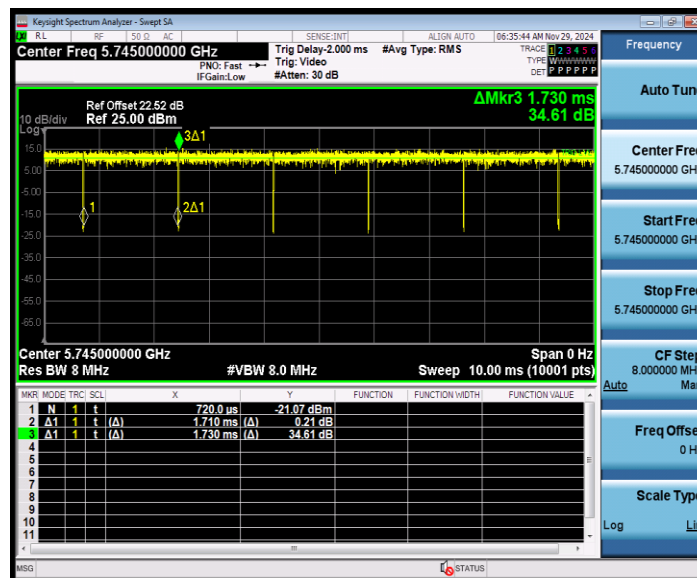


BUREAU  
VERITAS

Test Report No.: W7L-241112W001RF03



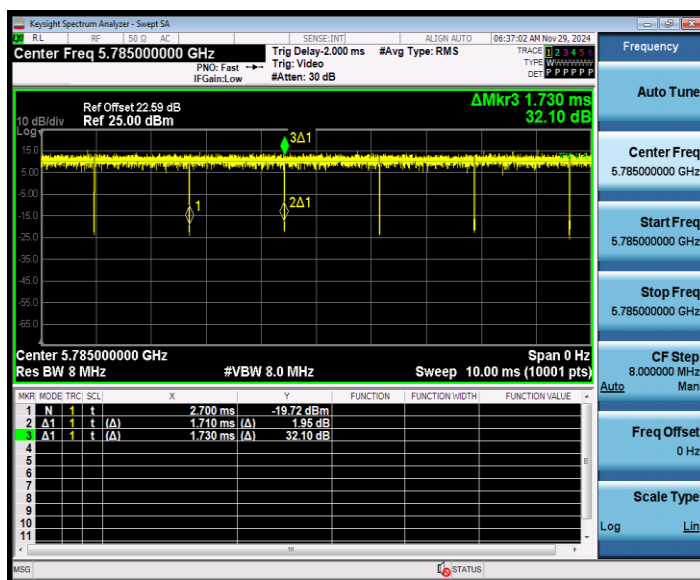
11N20SISO\_Ant1\_5745



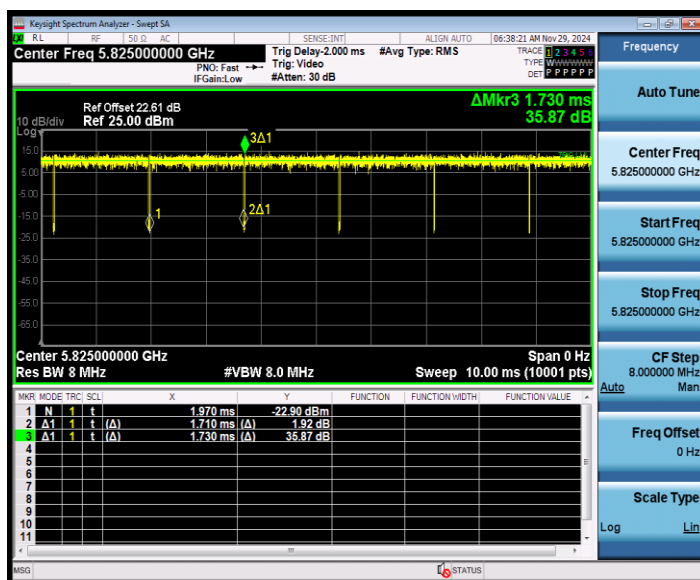
11N20SISO\_Ant1\_5785



**Test Report No.: W7L-241112W001RF03**



11N20SISO\_Ant1\_5825





## MAXIMUM CONDUCTED OUTPUT POWER

### TEST RESULT

| BV Power Table For_U-NII-1 |         |             |      |                               |                                 |                                |            |               |         |               |
|----------------------------|---------|-------------|------|-------------------------------|---------------------------------|--------------------------------|------------|---------------|---------|---------------|
| Test Mode                  | TX Mod. | Freq. (MHz) | Ant. | Maximum Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | IC Conducted Power Limit (dBm) | EIRP (dBm) | IC EIRP Limit | Verdict | Power Setting |
| 11A                        | SISO    | 5180        | Ant1 | 9.98                          | ≤24.00                          | ----                           | 1.93       | 9.98          | Pass    | default       |
|                            |         | 5200        | Ant1 | 10.31                         | ≤24.00                          | ----                           | 2.26       | 10.31         | Pass    | default       |
|                            |         | 5240        | Ant1 | 10.13                         | ≤24.00                          | ----                           | 2.08       | 10.13         | Pass    | default       |
| 11N20                      | SISO    | 5180        | Ant1 | 9.96                          | ≤24.00                          | ----                           | 1.91       | 9.96          | Pass    | default       |
|                            |         | 5200        | Ant1 | 10.29                         | ≤24.00                          | ----                           | 2.24       | 10.29         | Pass    | default       |
|                            |         | 5240        | Ant1 | 10.16                         | ≤24.00                          | ----                           | 2.11       | 10.16         | Pass    | default       |

Note:The Maximum Conducted Power with duty cycle factor.

| BV Power Table For_U-NII-2A |         |             |      |                               |                                 |                                |            |                |               |         |               |
|-----------------------------|---------|-------------|------|-------------------------------|---------------------------------|--------------------------------|------------|----------------|---------------|---------|---------------|
| Test Mode                   | TX Mod. | Freq. (MHz) | Ant. | Maximum Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | IC Conducted Power Limit (dBm) | EIRP (dBm) | FCC EIRP Limit | IC EIRP Limit | Verdict | Power Setting |
| 11A                         | SISO    | 5260        | Ant1 | 10.12                         | ≤24.00                          | ≤23.34                         | 2.07       | ≤30.00         | ≤29.34        | Pass    | default       |
|                             |         | 5300        | Ant1 | 9.84                          | ≤24.00                          | ≤23.34                         | 1.79       | ≤30.00         | ≤29.34        | Pass    | default       |
|                             |         | 5320        | Ant1 | 9.72                          | ≤24.00                          | ≤23.34                         | 1.67       | ≤30.00         | ≤29.34        | Pass    | default       |
| 11N20                       | SISO    | 5260        | Ant1 | 10.10                         | ≤24.00                          | ≤23.51                         | 2.05       | ≤30.00         | ≤29.51        | Pass    | default       |
|                             |         | 5300        | Ant1 | 9.94                          | ≤24.00                          | ≤23.51                         | 1.89       | ≤30.00         | ≤29.51        | Pass    | default       |
|                             |         | 5320        | Ant1 | 9.81                          | ≤24.00                          | ≤23.51                         | 1.76       | ≤30.00         | ≤29.51        | Pass    | default       |

Note:The Maximum Conducted Power with duty cycle factor.



| BV Power Table For_U-NII-2C |         |             |      |                               |                                 |                                |            |                |               |         |               |
|-----------------------------|---------|-------------|------|-------------------------------|---------------------------------|--------------------------------|------------|----------------|---------------|---------|---------------|
| Test Mode                   | TX Mod. | Freq. (MHz) | Ant. | Maximum Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | IC Conducted Power Limit (dBm) | EIRP (dBm) | FCC EIRP Limit | IC EIRP Limit | Verdict | Power Setting |
| 11A                         | SISO    | 5500        | Ant1 | 8.36                          | ≤24.00                          | ≤23.31                         | 0.31       | ≤30.00         | ≤29.31        | Pass    | default       |
|                             |         | 5580        | Ant1 | 9.16                          | ≤24.00                          | ≤23.31                         | 1.11       | ≤30.00         | ≤29.31        | Pass    | default       |
|                             |         | 5700        | Ant1 | 10.21                         | ≤24.00                          | ≤23.31                         | 2.16       | ≤30.00         | ≤29.31        | Pass    | default       |
|                             |         | 5720        | Ant1 | 9.81                          | ≤24.00                          | ≤23.31                         | 1.76       | ≤30.00         | ≤29.31        | Pass    | default       |
| 11N20                       | SISO    | 5500        | Ant1 | 8.43                          | ≤24.00                          | ≤23.51                         | 0.38       | ≤30.00         | ≤29.51        | Pass    | default       |
|                             |         | 5580        | Ant1 | 9.25                          | ≤24.00                          | ≤23.51                         | 1.20       | ≤30.00         | ≤29.51        | Pass    | default       |
|                             |         | 5700        | Ant1 | 10.29                         | ≤24.00                          | ≤23.51                         | 2.24       | ≤30.00         | ≤29.51        | Pass    | default       |
|                             |         | 5720        | Ant1 | 9.39                          | ≤24.00                          | ≤23.51                         | 1.34       | ≤30.00         | ≤29.51        | Pass    | default       |

Note: The Maximum Conducted Power with duty cycle factor.

| BV Power Table For_U-NII-3 |         |             |      |                               |                             |            |               |         |               |
|----------------------------|---------|-------------|------|-------------------------------|-----------------------------|------------|---------------|---------|---------------|
| Test Mode                  | TX Mod. | Freq. (MHz) | Ant. | Maximum Conducted Power (dBm) | Conducted Power Limit (dBm) | EIRP (dBm) | IC EIRP Limit | Verdict | Power Setting |
| 11A                        | SISO    | 5745        | Ant1 | 9.91                          | ≤30.00                      | 1.86       | ≤30.00        | Pass    | default       |
|                            |         | 5785        | Ant1 | 8.79                          | ≤30.00                      | 0.74       | ≤30.00        | Pass    | default       |
|                            |         | 5825        | Ant1 | 8.85                          | ≤30.00                      | 0.8        | ≤30.00        | Pass    | default       |
| 11N20                      | SISO    | 5745        | Ant1 | 9.79                          | ≤30.00                      | 1.74       | ≤30.00        | Pass    | default       |
|                            |         | 5785        | Ant1 | 9.01                          | ≤30.00                      | 0.96       | ≤30.00        | Pass    | default       |
|                            |         | 5825        | Ant1 | 8.96                          | ≤30.00                      | 0.91       | ≤30.00        | Pass    | default       |

Note: The Maximum Conducted Power with duty cycle factor.

Note: The Duty Cycle Factor is compensated in the graph.