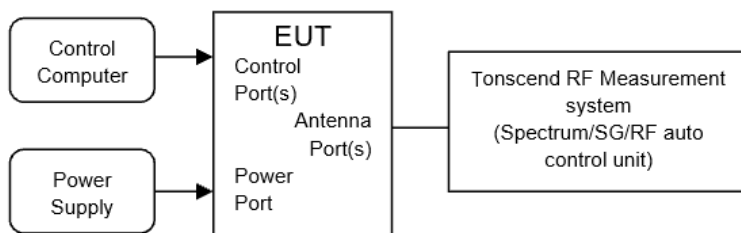


## 5. 99% Bandwidth

### 5.1. Block diagram of test setup



### 5.2. Limits

Just for Report.

### 5.3. Test procedure

- (1) The test according to ANSI C63.10 clause 6.9.3.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously
- (4) Use the following spectrum analyzer settings for the 99% Bandwidth:

|                |                                         |
|----------------|-----------------------------------------|
| RBW:           | 1% to 5% of the OBW                     |
| VBW:           | approximately three times RBW           |
| Span:          | between 1.5 times and 5.0 times the OBW |
| Detector Mode: | peak                                    |
| Sweep time:    | auto                                    |
| Trace mode     | max hold                                |

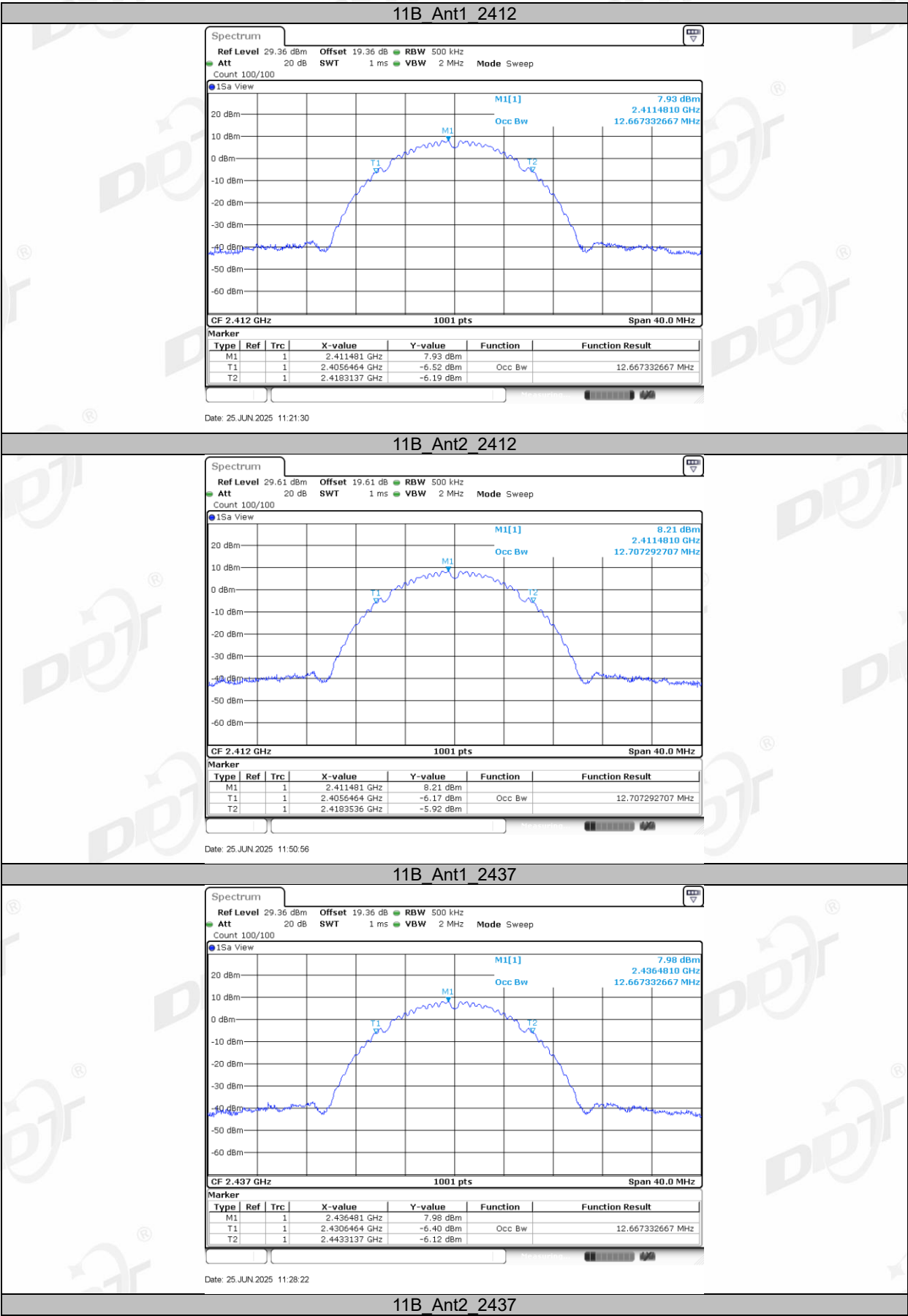
Allow the trace to stabilize, measure the 99% bandwidth of signal, and record the results in the report.

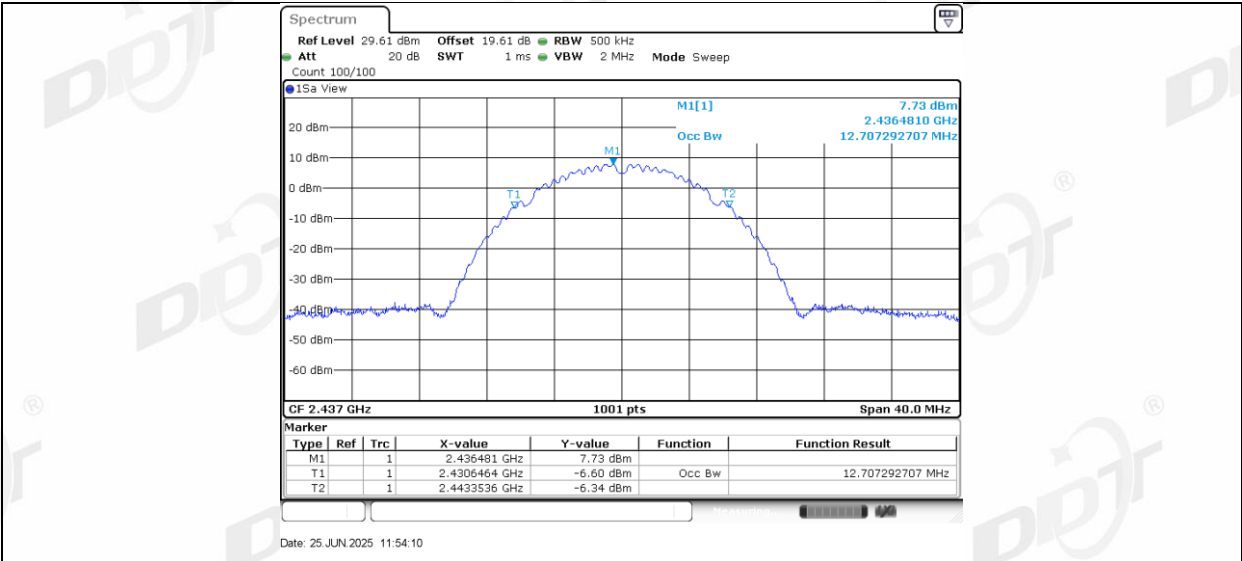
## 5.4. Test result

|                    |                         |                |                          |
|--------------------|-------------------------|----------------|--------------------------|
| Test Engineer:     | Zeng Zhongyao           | Test Site:     | RF Measurement System 3# |
| Ambient Condition: | 24.3-26.2℃,38.3-45.2%RH | Test Date:     | 2025.06.25-2025.07.28    |
| Test Power Supply: | AC 120V                 | Sample Number: | S25061925-001            |

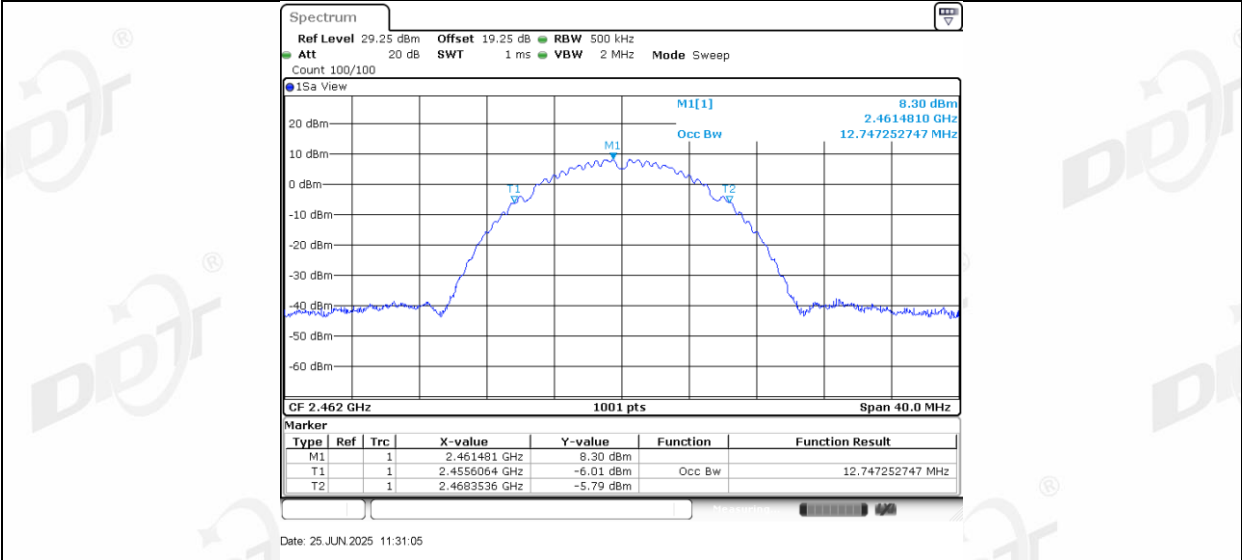
| TestMode    | Antenna | Channel Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-------------|---------|------------------------|-----------|-----------|-----------|------------|---------|
| 11B         | Ant1    | 2412                   | 12.667    | 2405.6464 | 2418.3137 | ---        | ---     |
|             | Ant2    | 2412                   | 12.707    | 2405.6464 | 2418.3536 | ---        | ---     |
|             | Ant1    | 2437                   | 12.667    | 2430.6464 | 2443.3137 | ---        | ---     |
|             | Ant2    | 2437                   | 12.707    | 2430.6464 | 2443.3536 | ---        | ---     |
|             | Ant1    | 2462                   | 12.747    | 2455.6064 | 2468.3536 | ---        | ---     |
|             | Ant2    | 2462                   | 12.707    | 2455.6464 | 2468.3536 | ---        | ---     |
| 11G         | Ant1    | 2412                   | 16.783    | 2403.6484 | 2420.4316 | ---        | ---     |
|             | Ant2    | 2412                   | 16.503    | 2403.7283 | 2420.2318 | ---        | ---     |
|             | Ant1    | 2437                   | 16.783    | 2428.6084 | 2445.3916 | ---        | ---     |
|             | Ant2    | 2437                   | 16.823    | 2428.5684 | 2445.3916 | ---        | ---     |
|             | Ant1    | 2462                   | 16.703    | 2453.6484 | 2470.3516 | ---        | ---     |
|             | Ant2    | 2462                   | 16.703    | 2453.6484 | 2470.3516 | ---        | ---     |
| 11N20MI MO  | Ant1    | 2412                   | 17.742    | 2403.1688 | 2420.9111 | ---        | ---     |
|             | Ant2    | 2412                   | 17.622    | 2403.2088 | 2420.8312 | ---        | ---     |
|             | Ant1    | 2437                   | 17.782    | 2428.1289 | 2445.9111 | ---        | ---     |
|             | Ant2    | 2437                   | 17.662    | 2428.1688 | 2445.8312 | ---        | ---     |
|             | Ant1    | 2462                   | 17.742    | 2453.1289 | 2470.8711 | ---        | ---     |
|             | Ant2    | 2462                   | 17.582    | 2453.2088 | 2470.7912 | ---        | ---     |
| 11N40MI MO  | Ant1    | 2422                   | 36.124    | 2404.0979 | 2440.2218 | ---        | ---     |
|             | Ant2    | 2422                   | 35.964    | 2404.0979 | 2440.0619 | ---        | ---     |
|             | Ant1    | 2437                   | 36.204    | 2418.9381 | 2455.1419 | ---        | ---     |
|             | Ant2    | 2437                   | 35.964    | 2419.0180 | 2454.9820 | ---        | ---     |
|             | Ant1    | 2452                   | 35.964    | 2434.0180 | 2469.9820 | ---        | ---     |
|             | Ant2    | 2452                   | 35.964    | 2434.0180 | 2469.9820 | ---        | ---     |
| 11AX20M IMO | Ant1    | 2412                   | 19.061    | 2402.4496 | 2421.5105 | ---        | ---     |
|             | Ant2    | 2412                   | 19.021    | 2402.4895 | 2421.5105 | ---        | ---     |
|             | Ant1    | 2437                   | 19.021    | 2427.4895 | 2446.5105 | ---        | ---     |
|             | Ant2    | 2437                   | 19.061    | 2427.4496 | 2446.5105 | ---        | ---     |
|             | Ant1    | 2462                   | 18.941    | 2452.5295 | 2471.4705 | ---        | ---     |
|             | Ant2    | 2462                   | 18.901    | 2452.5295 | 2471.4306 | ---        | ---     |
| 11AX40M IMO | Ant1    | 2422                   | 37.962    | 2403.0589 | 2441.0210 | ---        | ---     |
|             | Ant2    | 2422                   | 37.882    | 2403.0589 | 2440.9411 | ---        | ---     |
|             | Ant1    | 2437                   | 37.802    | 2418.1389 | 2455.9411 | ---        | ---     |
|             | Ant2    | 2437                   | 37.722    | 2418.1389 | 2455.8611 | ---        | ---     |
|             | Ant1    | 2452                   | 37.722    | 2433.0589 | 2470.7812 | ---        | ---     |
|             | Ant2    | 2452                   | 37.802    | 2433.0589 | 2470.8611 | ---        | ---     |
| 11BE20M IMO | Ant1    | 2412                   | 18.901    | 2402.5295 | 2421.4306 | ---        | ---     |
|             | Ant2    | 2412                   | 18.901    | 2402.5295 | 2421.4306 | ---        | ---     |
|             | Ant1    | 2437                   | 18.941    | 2427.5295 | 2446.4705 | ---        | ---     |
|             | Ant2    | 2437                   | 18.941    | 2427.5295 | 2446.4705 | ---        | ---     |
|             | Ant1    | 2462                   | 18.901    | 2452.5295 | 2471.4306 | ---        | ---     |
|             | Ant2    | 2462                   | 18.901    | 2452.5295 | 2471.4306 | ---        | ---     |
| 11BE40M IMO | Ant1    | 2422                   | 37.722    | 2403.1389 | 2440.8611 | ---        | ---     |
|             | Ant2    | 2422                   | 37.802    | 2403.1389 | 2440.9411 | ---        | ---     |
|             | Ant1    | 2437                   | 37.882    | 2418.0589 | 2455.9411 | ---        | ---     |
|             | Ant2    | 2437                   | 37.882    | 2418.0589 | 2455.9411 | ---        | ---     |
|             | Ant1    | 2452                   | 37.722    | 2433.0589 | 2470.7812 | ---        | ---     |
|             | Ant2    | 2452                   | 37.642    | 2433.1389 | 2470.7812 | ---        | ---     |

5.5. Test graphs

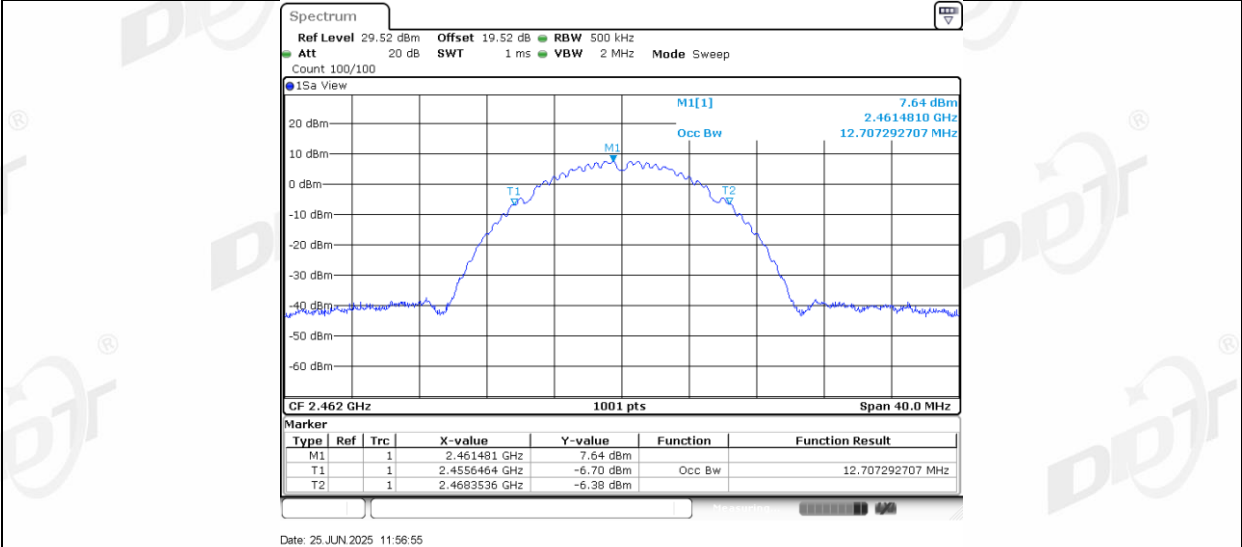




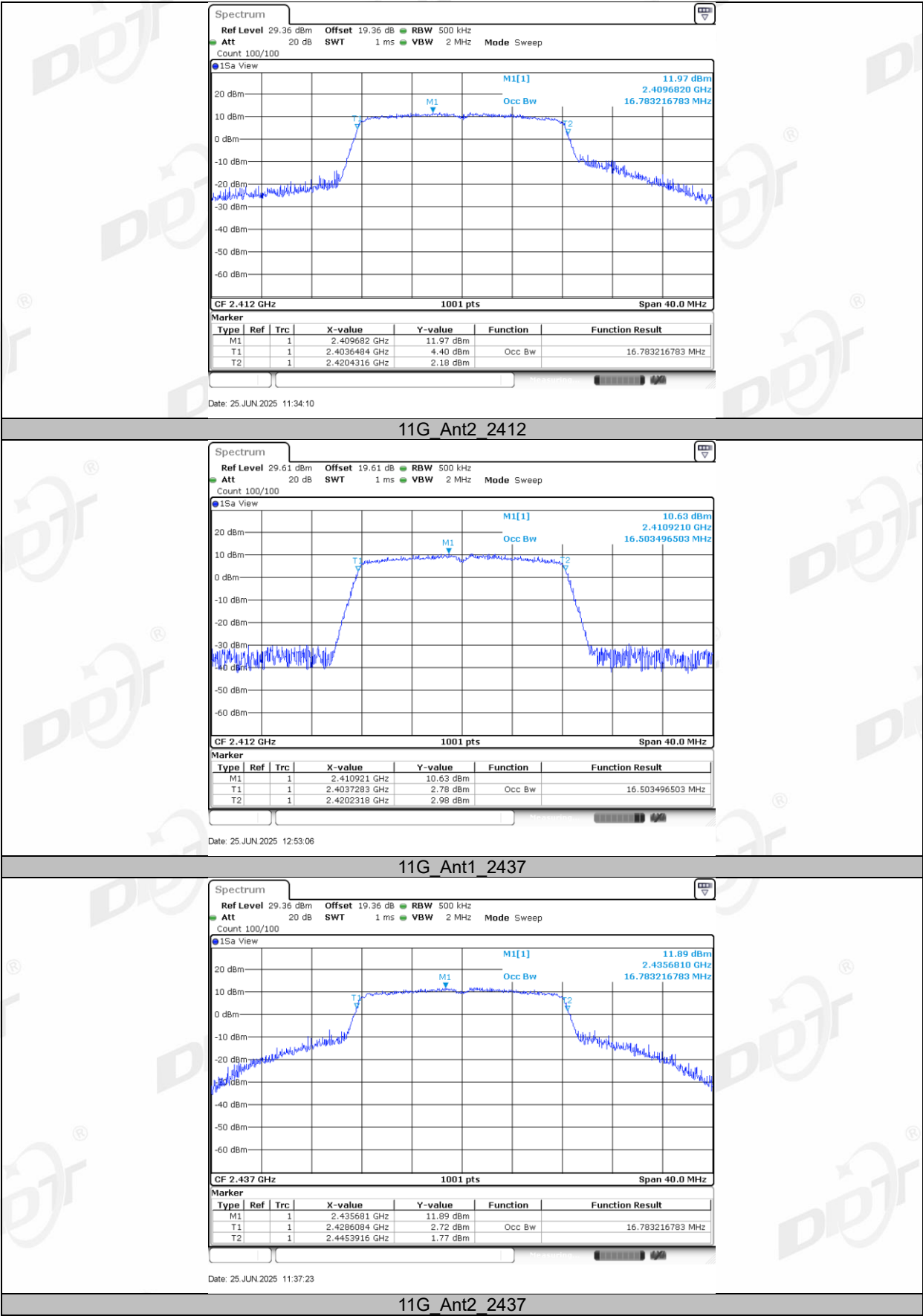
11B\_Ant1\_2462

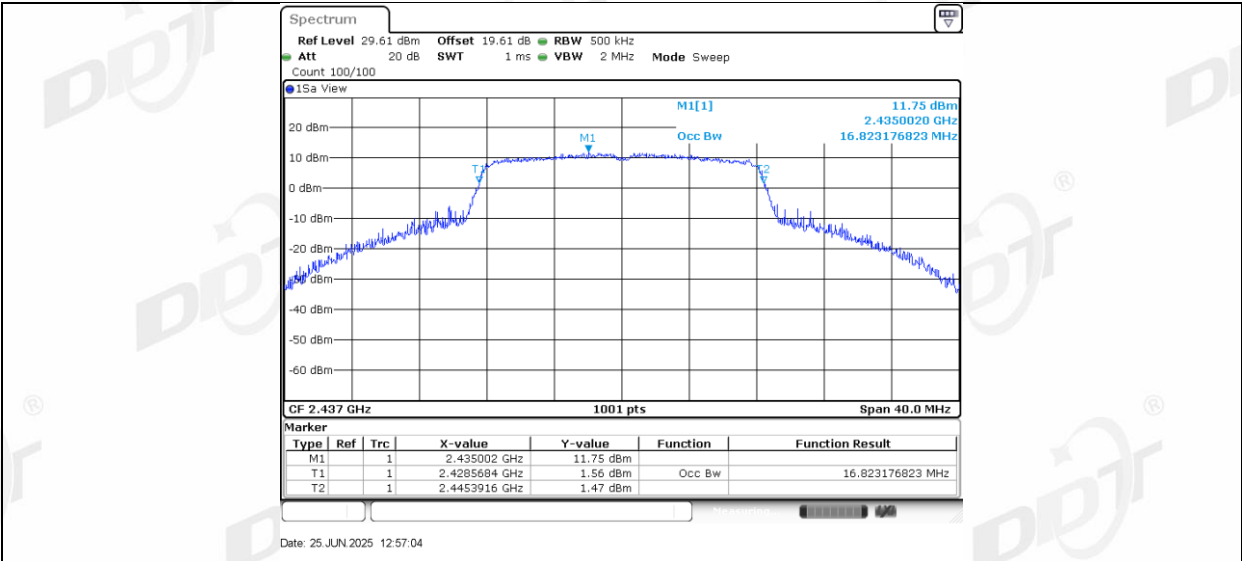


11B\_Ant2\_2462

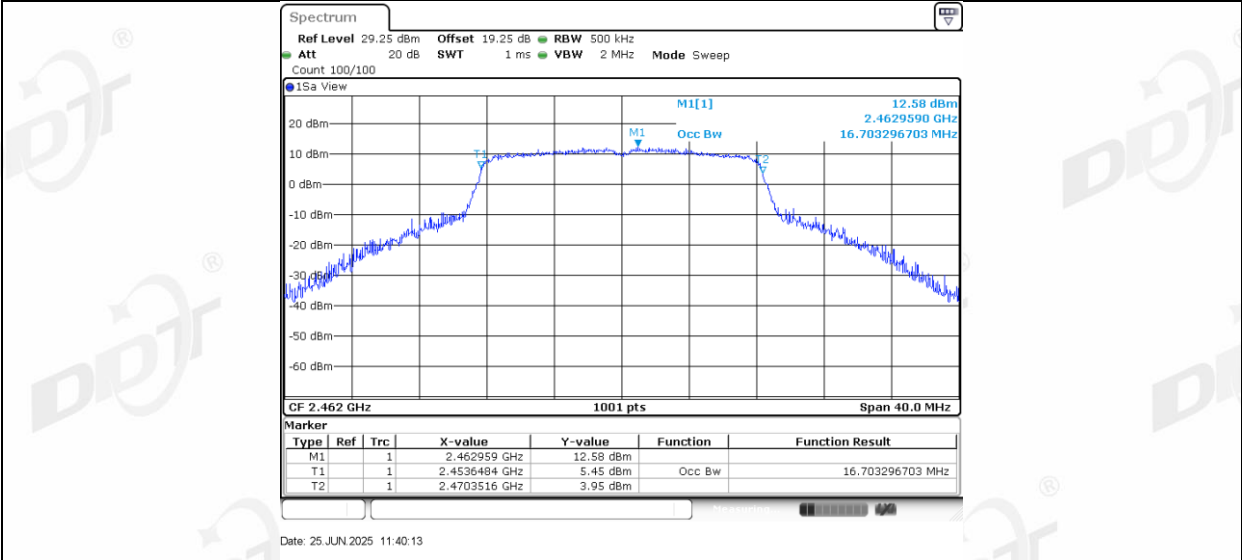


11G\_Ant1\_2412

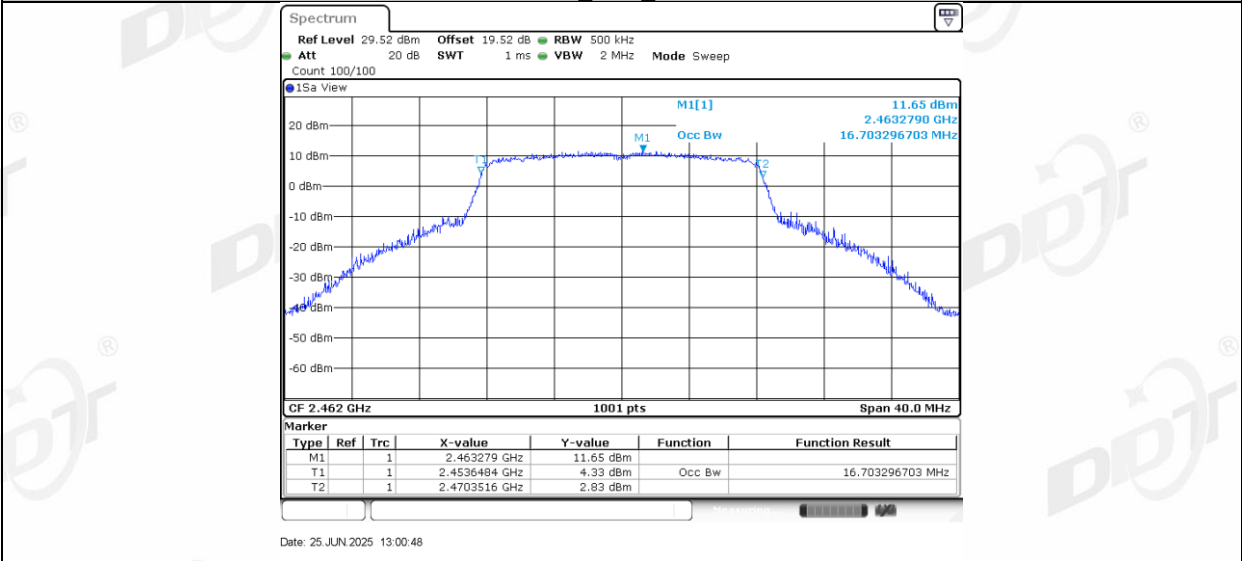




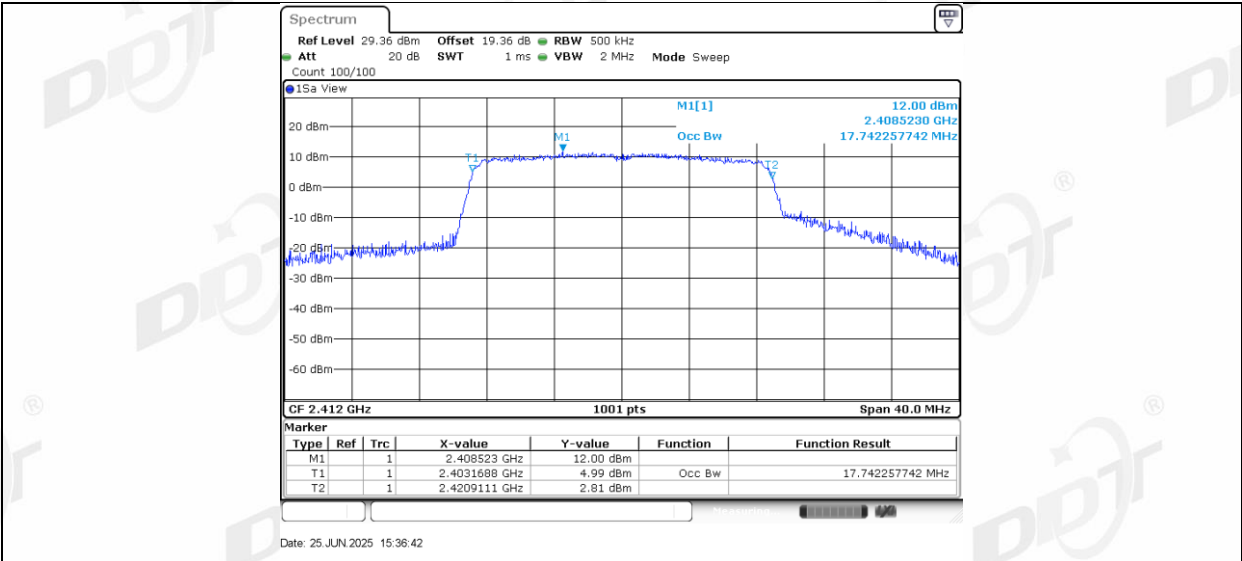
11G Ant1\_2462



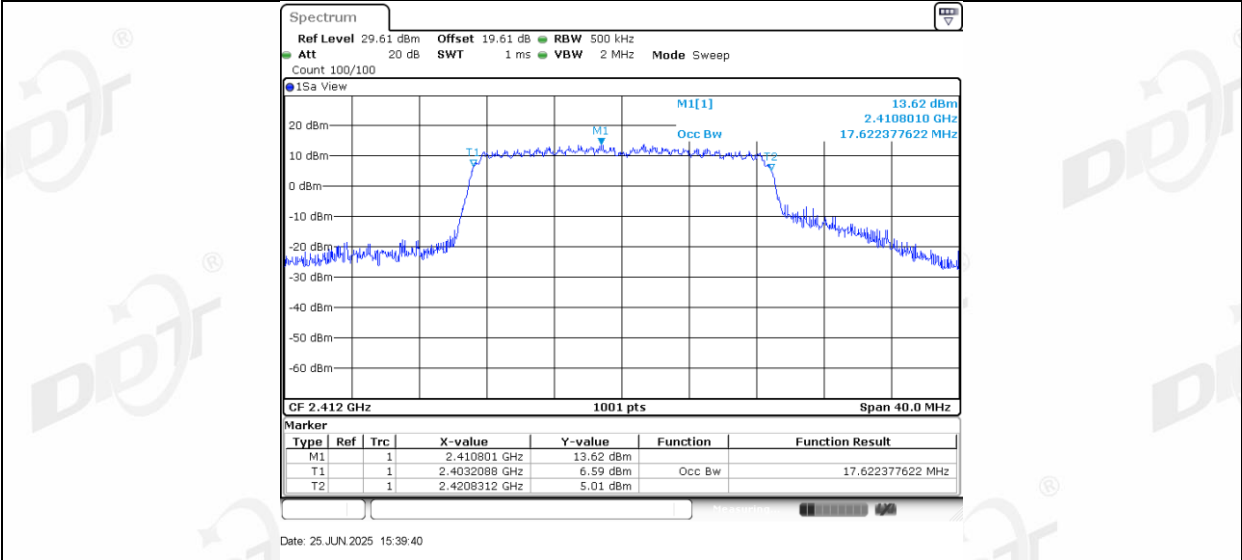
11G Ant2\_2462



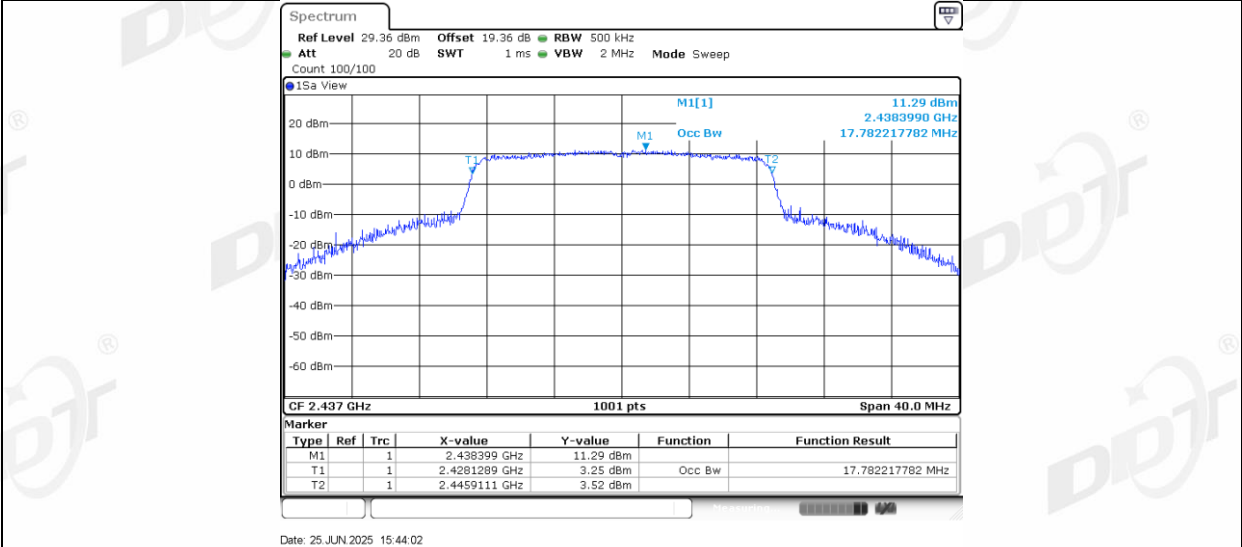
11N20MIMO\_Ant1\_2412



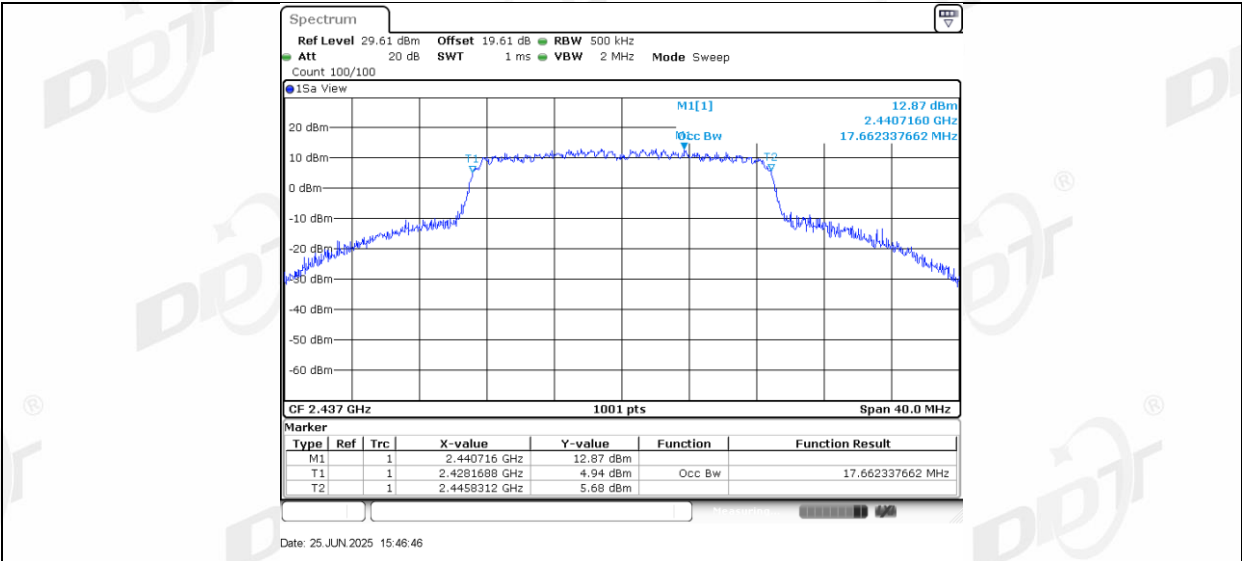
11N20MIMO\_Ant2\_2412



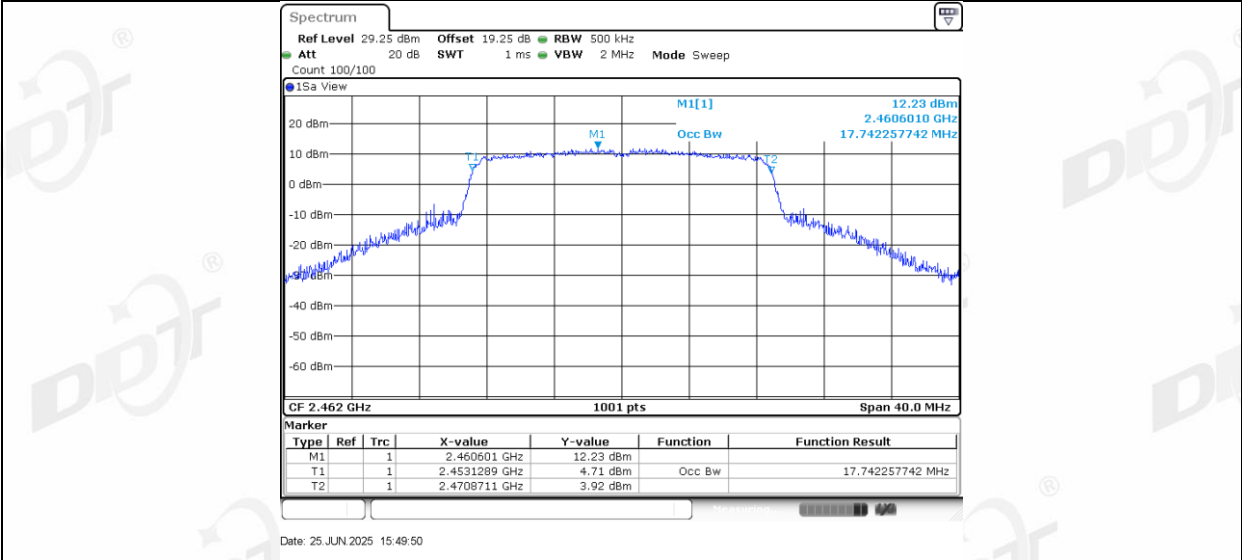
11N20MIMO\_Ant1\_2437



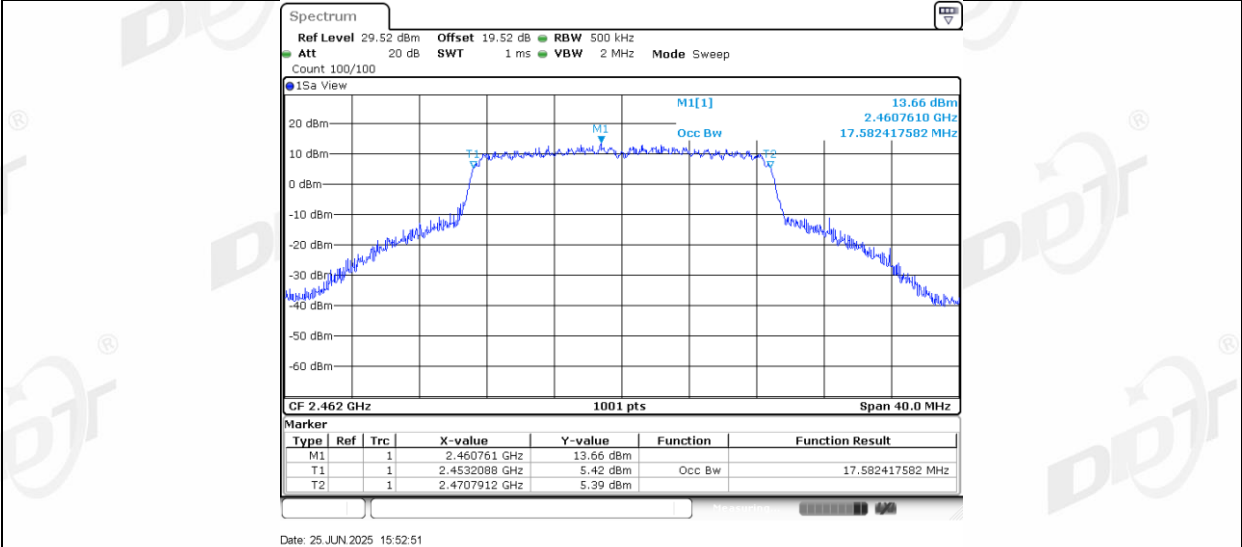
11N20MIMO\_Ant2\_2437



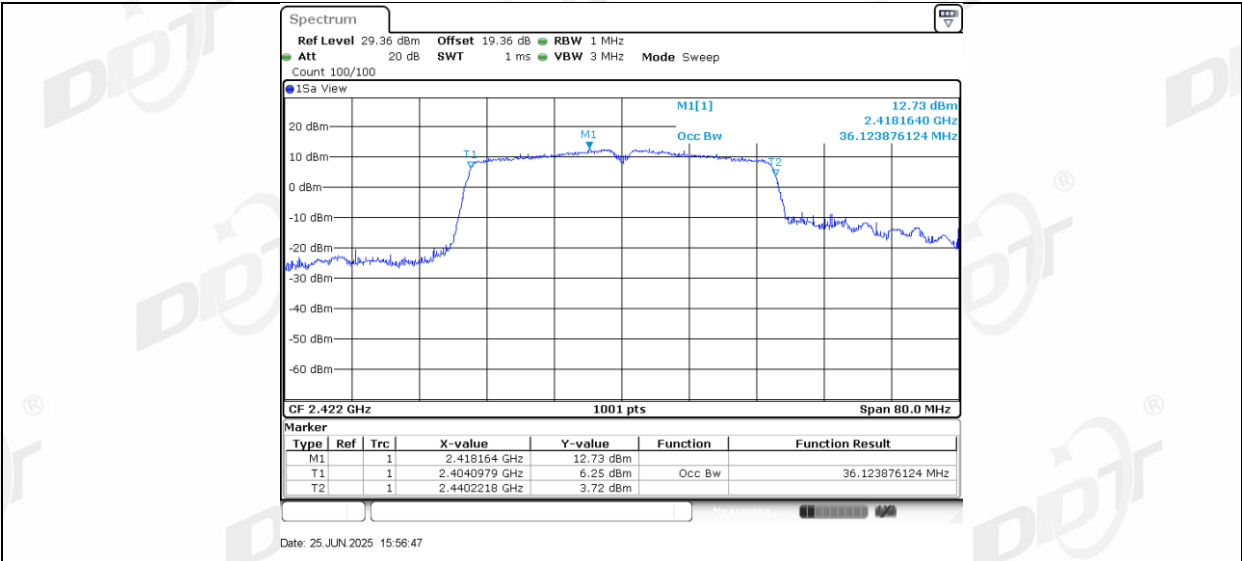
11N20MIMO\_Ant1\_2462



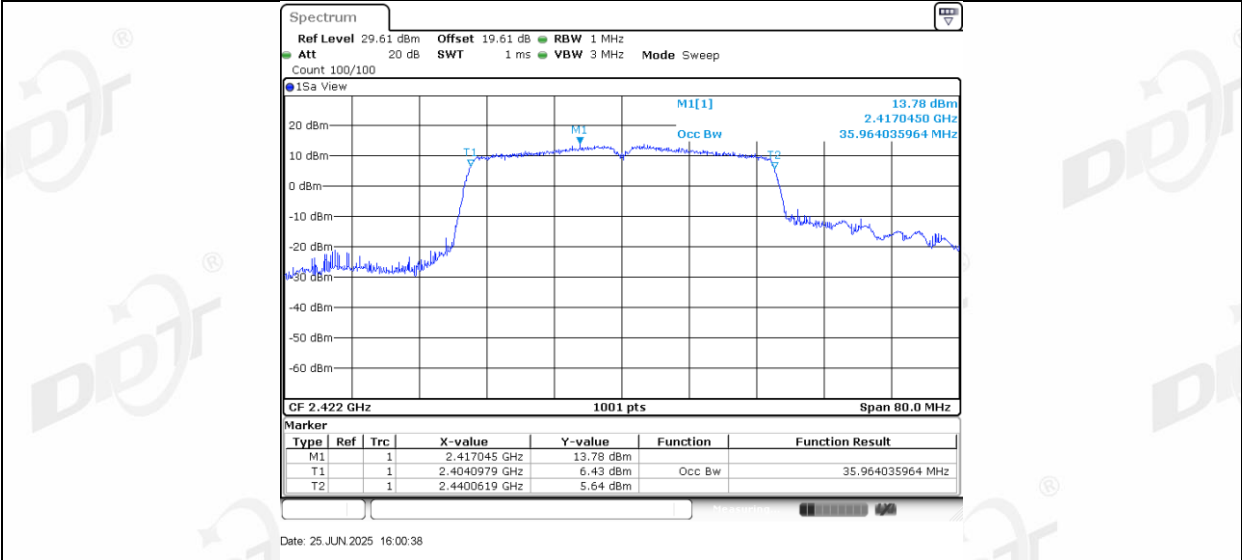
11N20MIMO\_Ant2\_2462



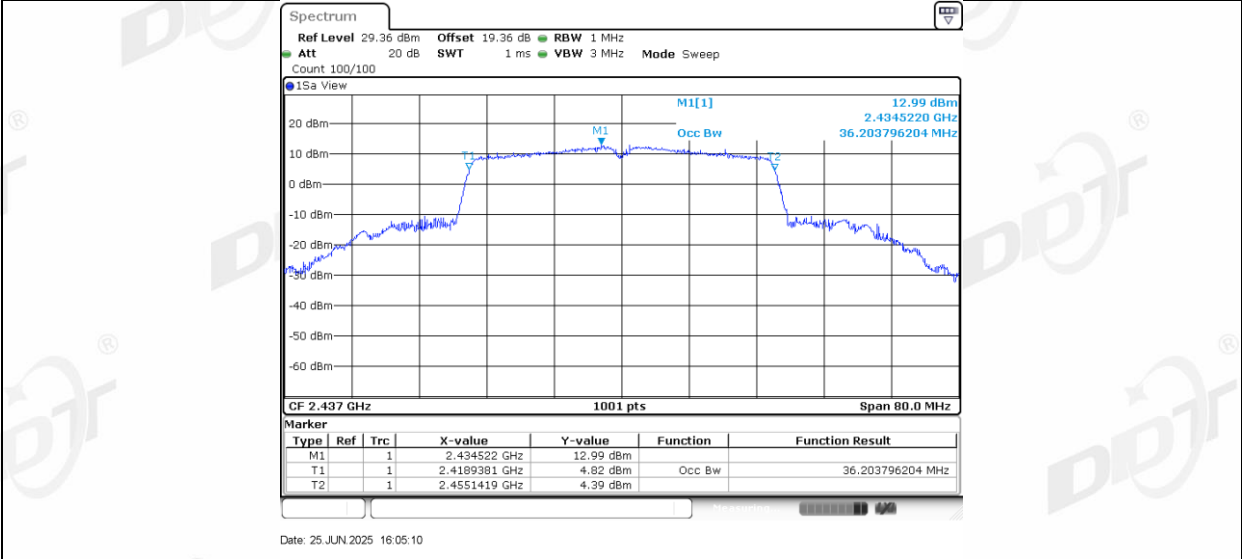
11N40MIMO\_Ant1\_2422



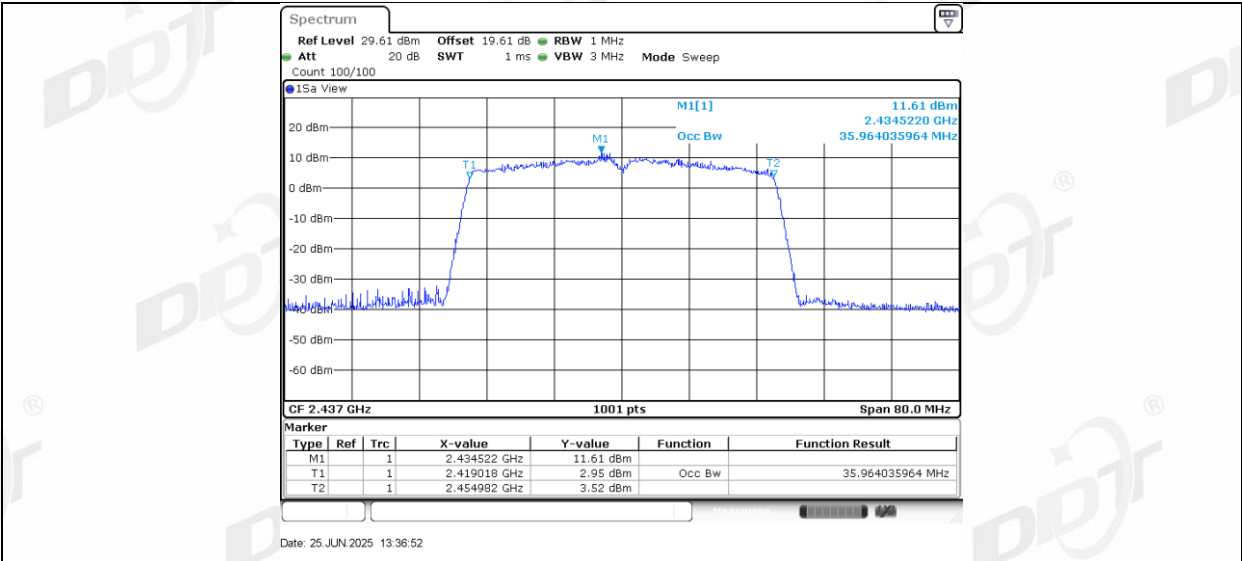
11N40MIMO\_Ant2\_2422



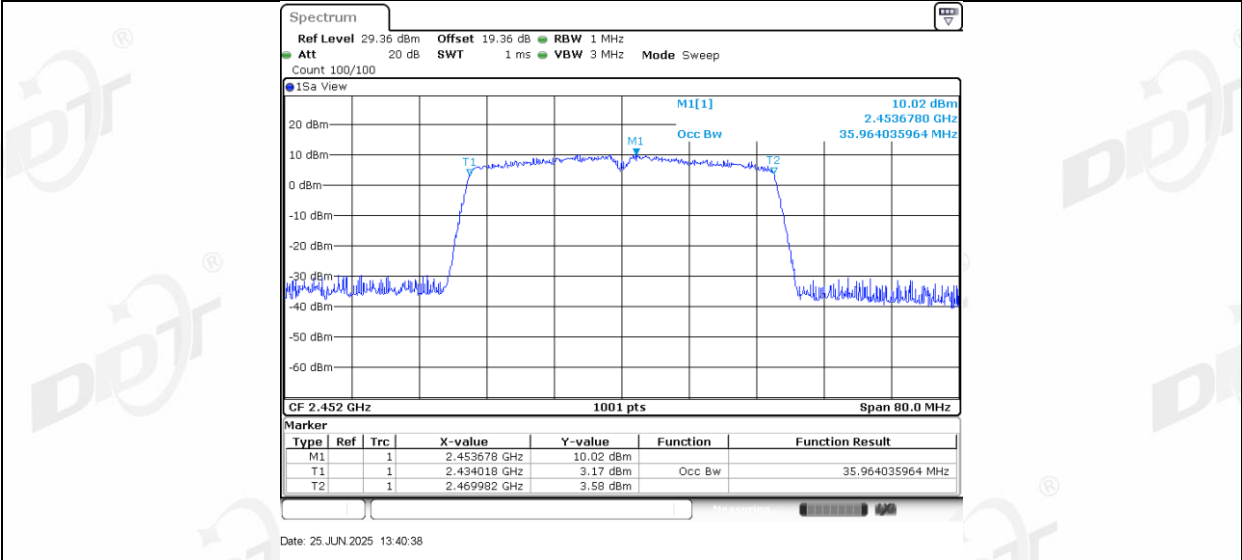
11N40MIMO\_Ant1\_2437



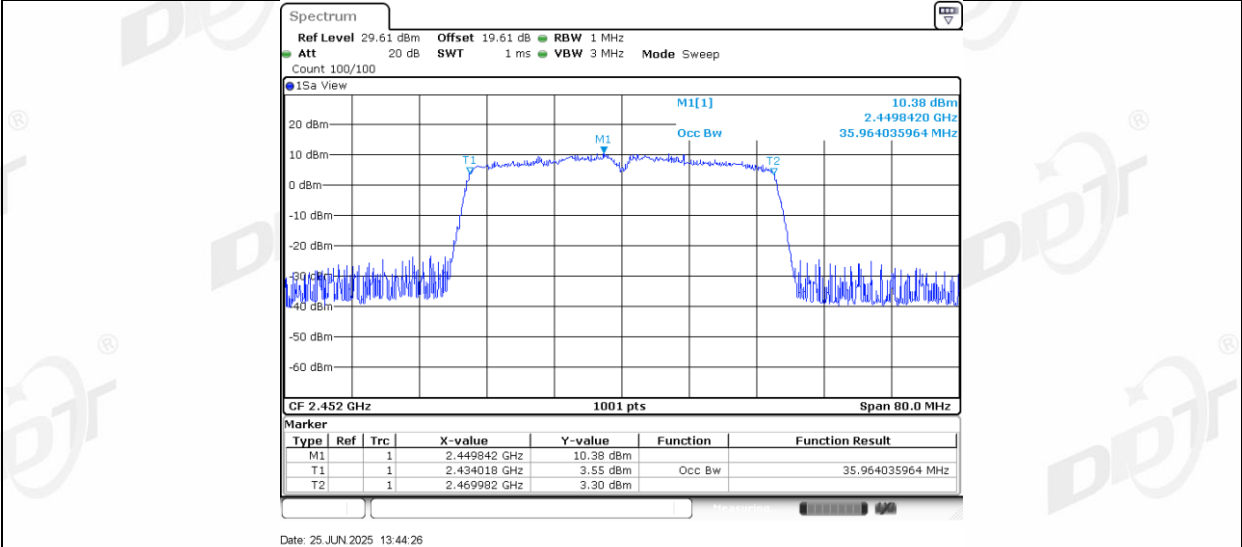
11N40MIMO\_Ant2\_2437



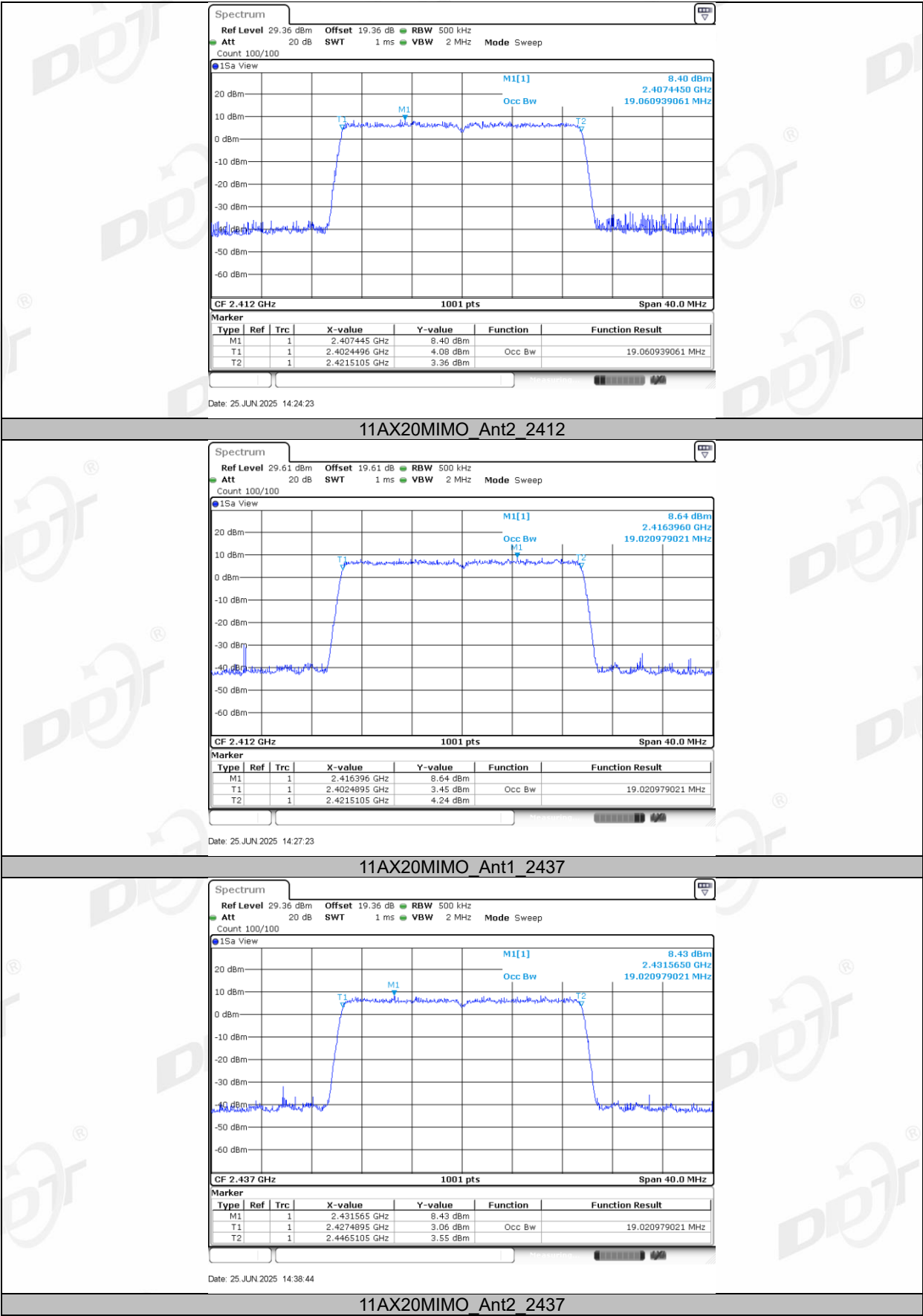
11N40MIMO\_Ant1\_2452

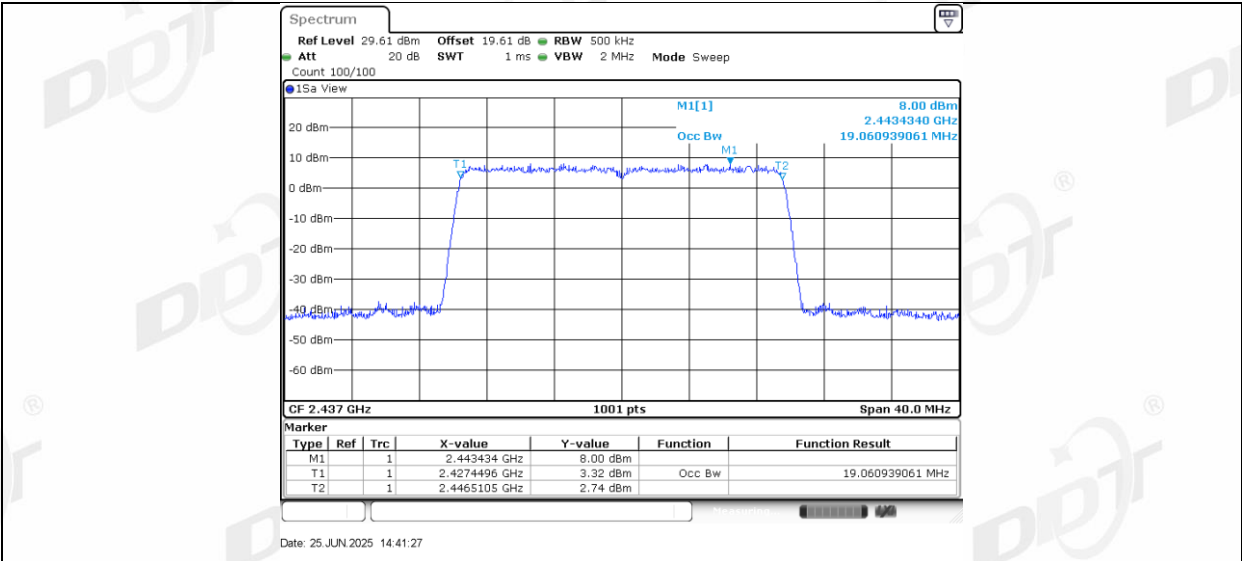


11N40MIMO\_Ant2\_2452

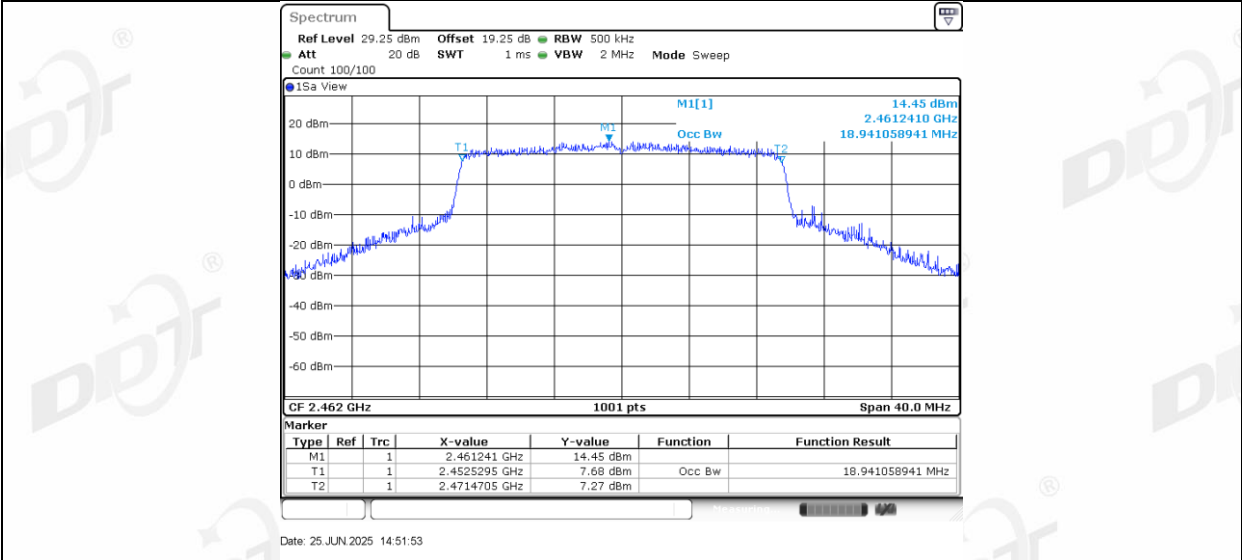


11AX20MIMO\_Ant1\_2412

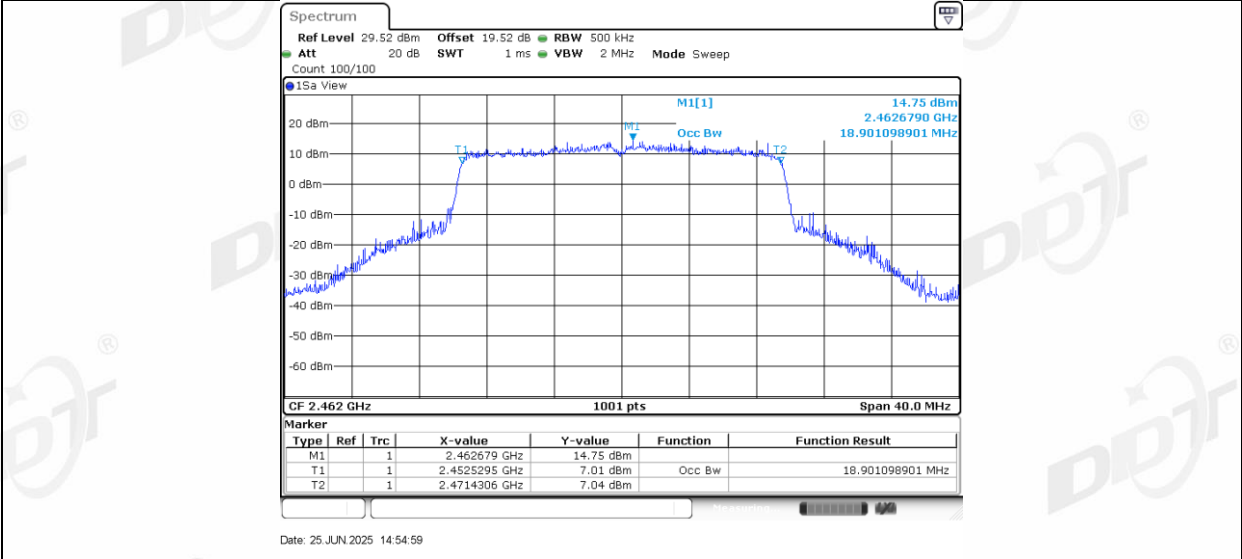




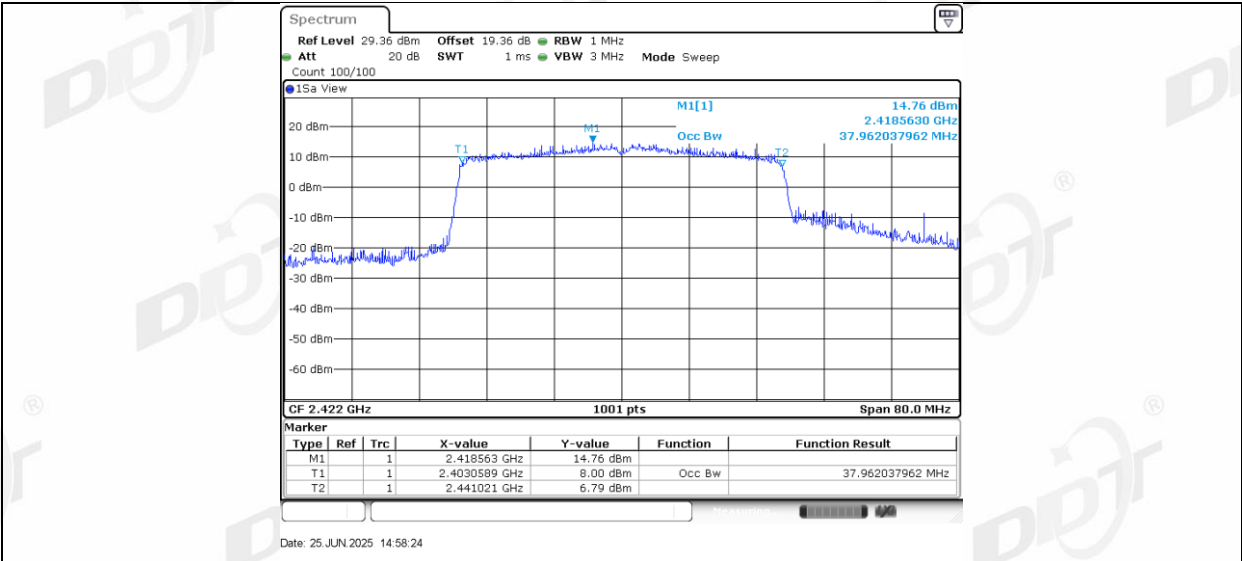
11AX20MIMO\_Ant1\_2462



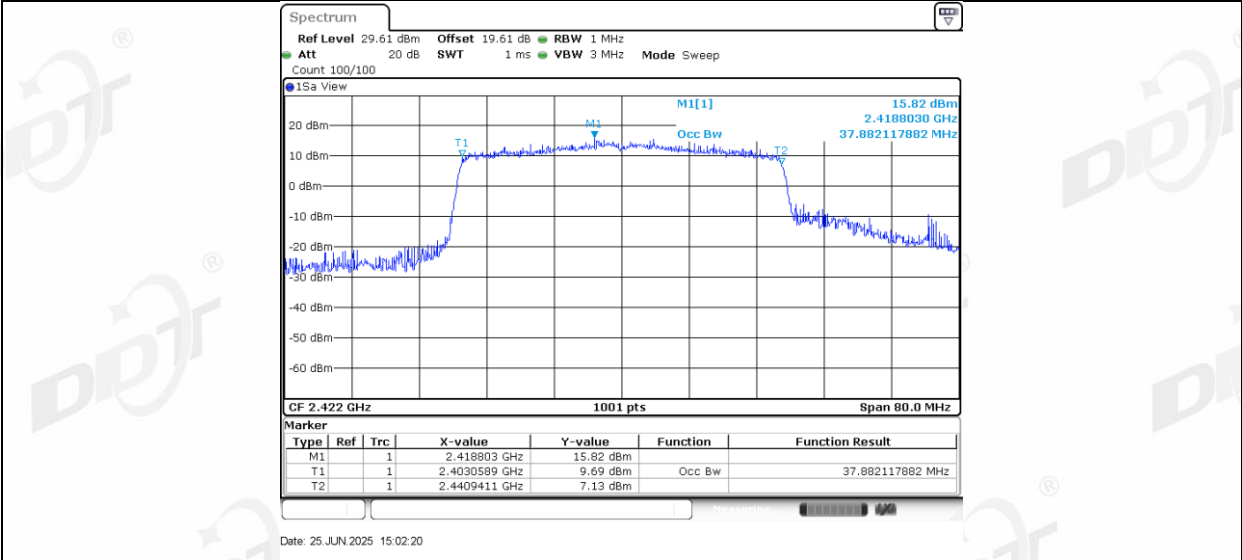
11AX20MIMO\_Ant2\_2462



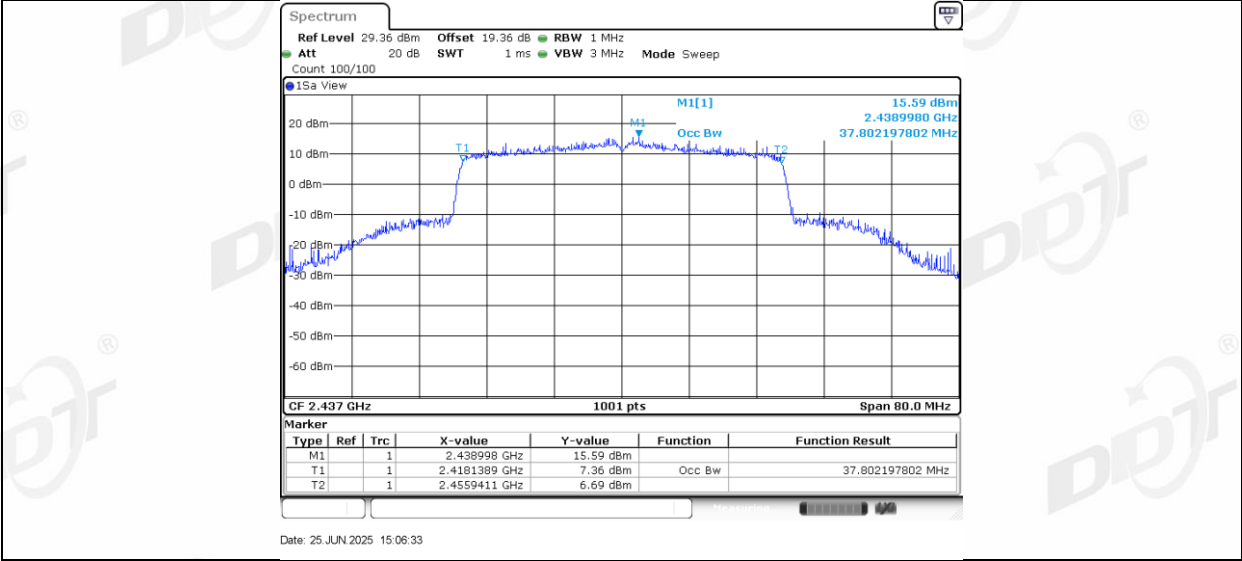
11AX40MIMO\_Ant1\_2422



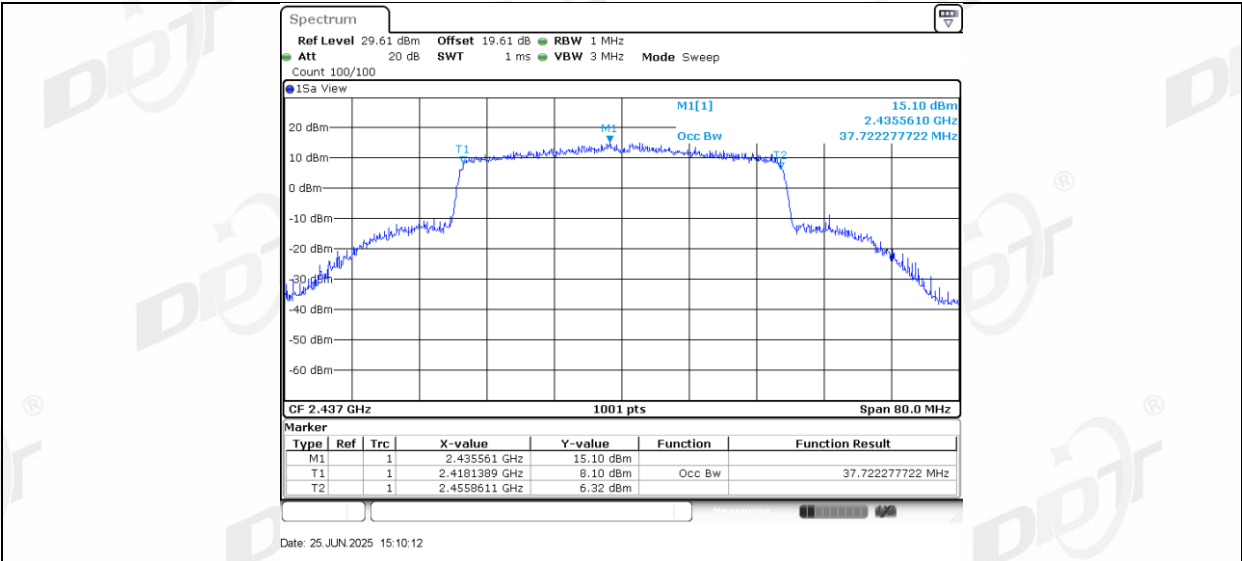
11AX40MIMO\_Ant2\_2422



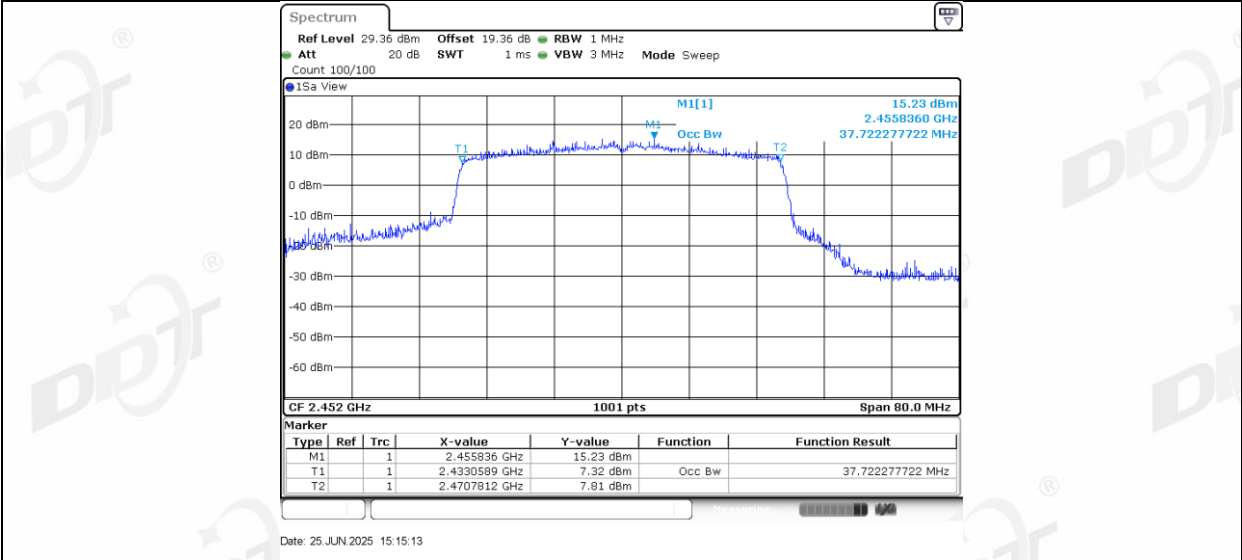
11AX40MIMO\_Ant1\_2437



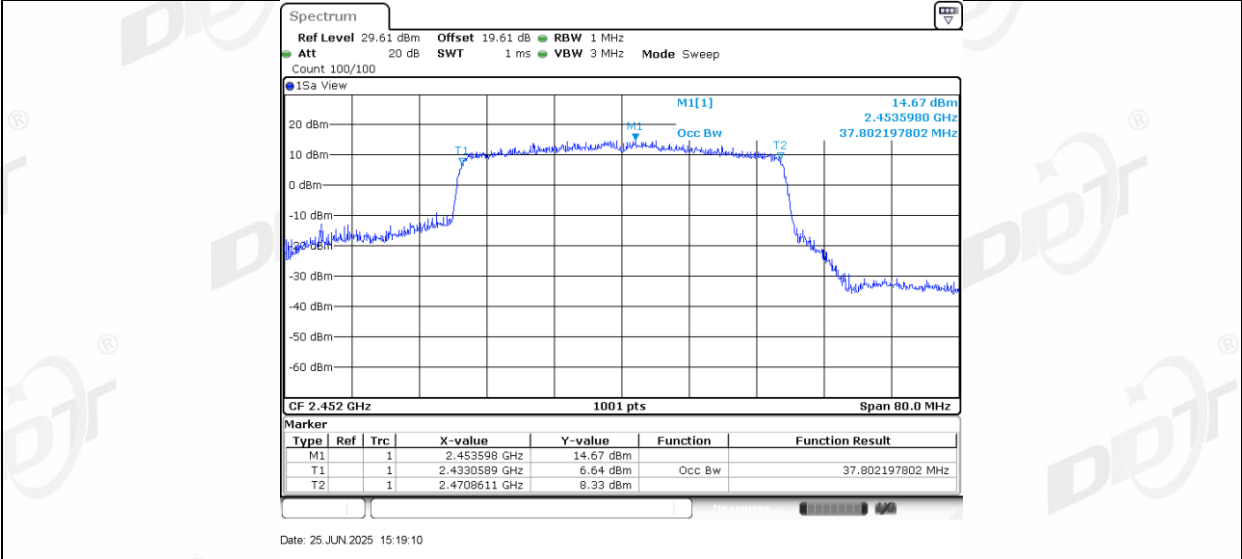
11AX40MIMO\_Ant2\_2437



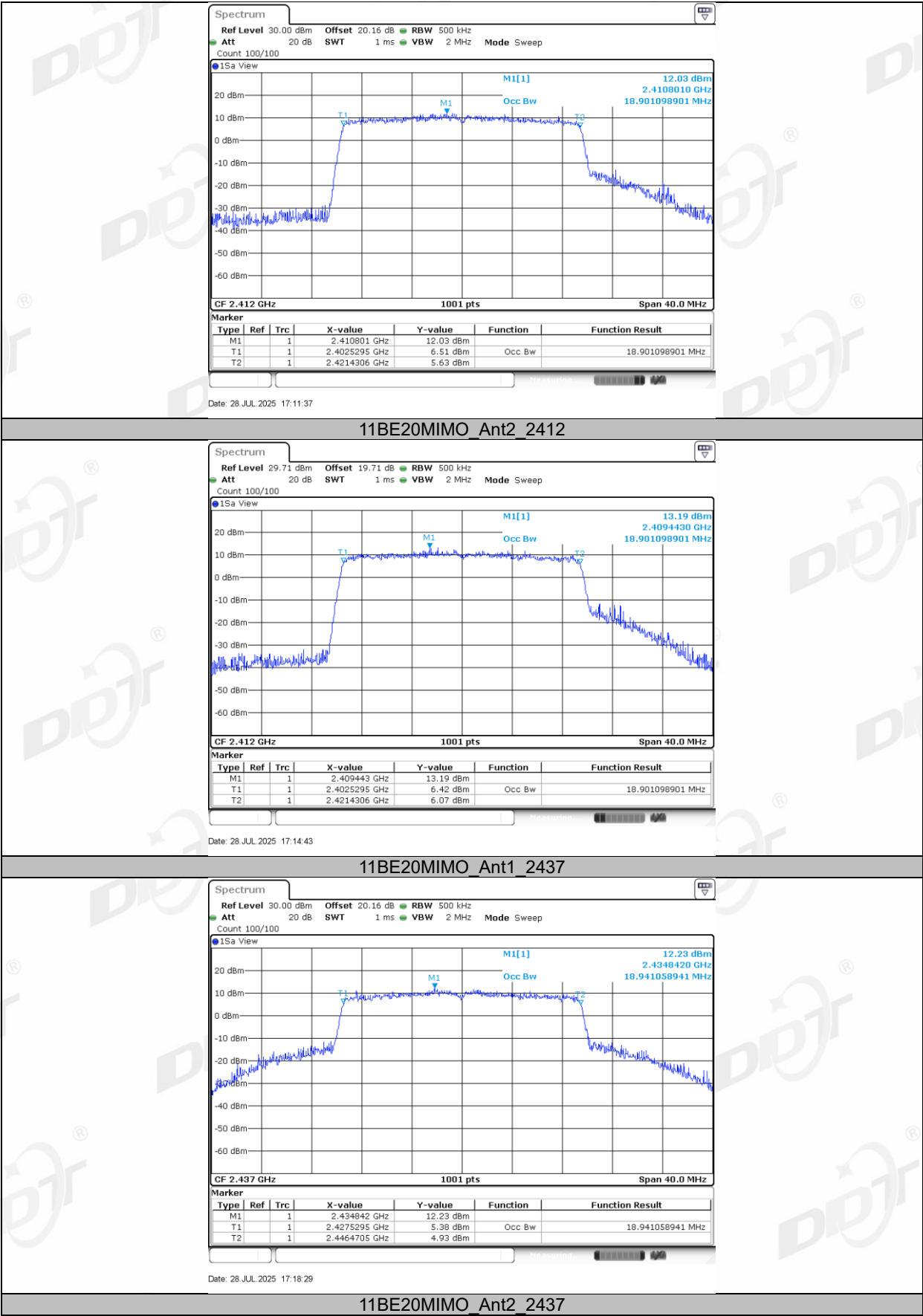
11AX40MIMO\_Ant1\_2452

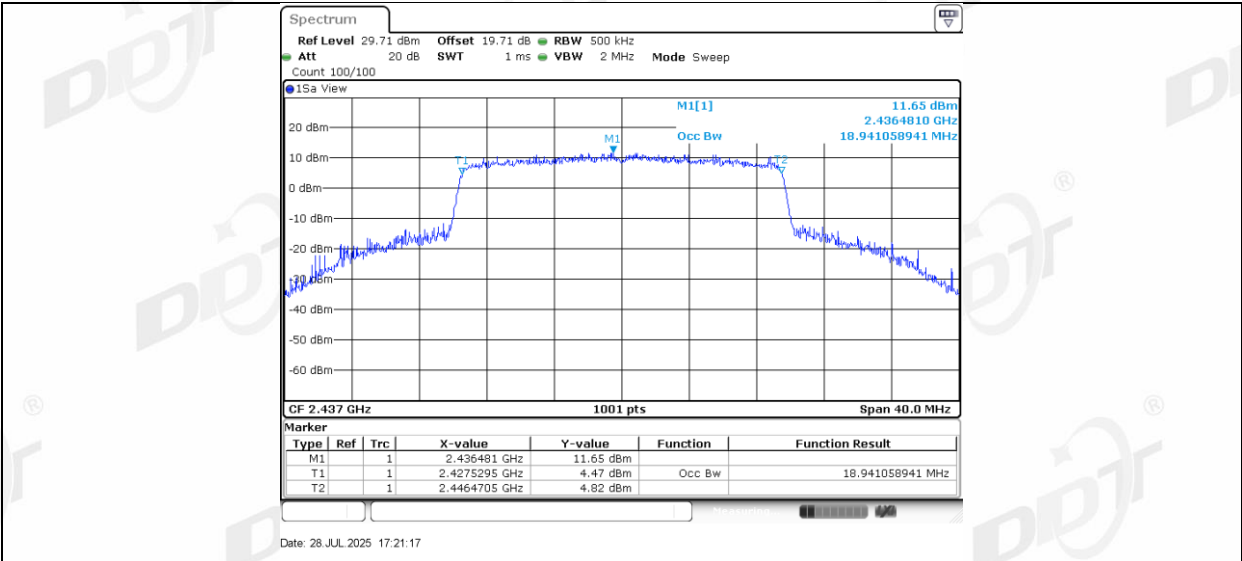


11AX40MIMO\_Ant2\_2452

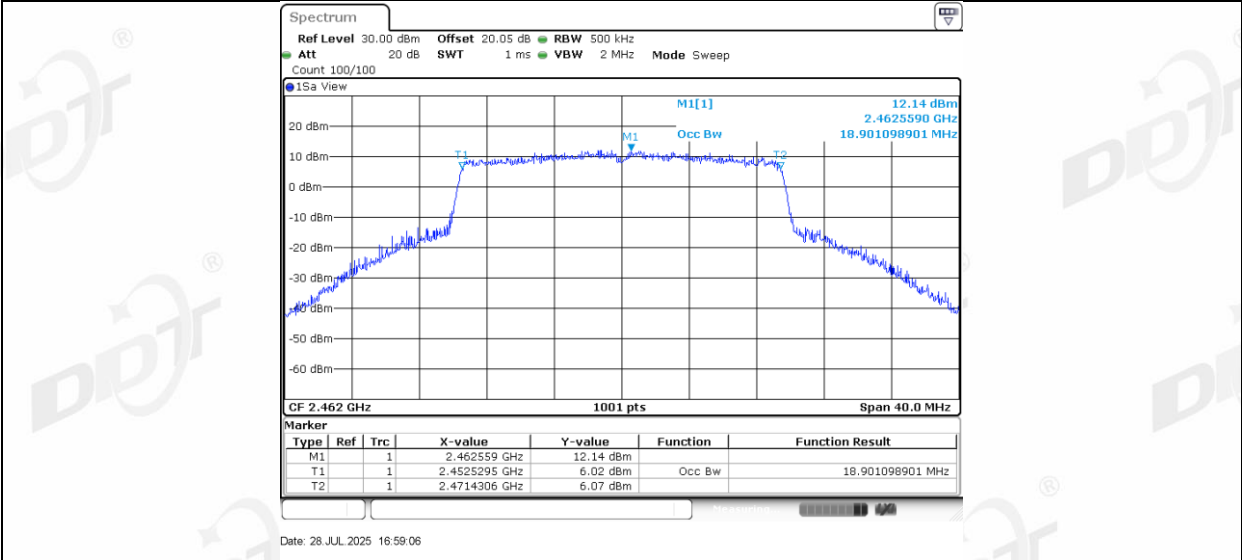


11BE20MIMO\_Ant1\_2412

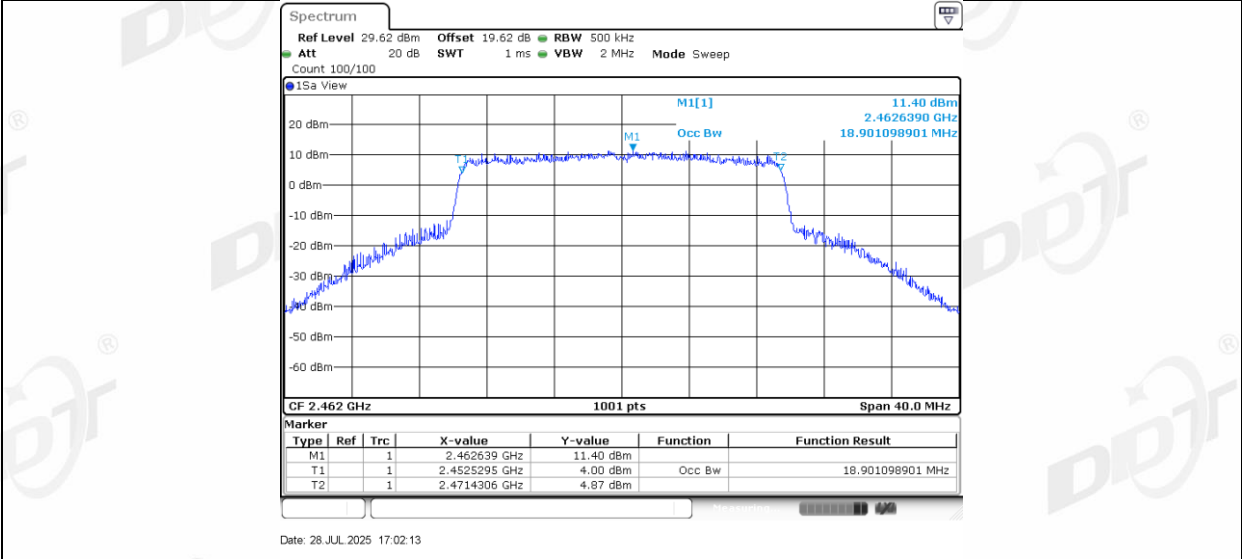




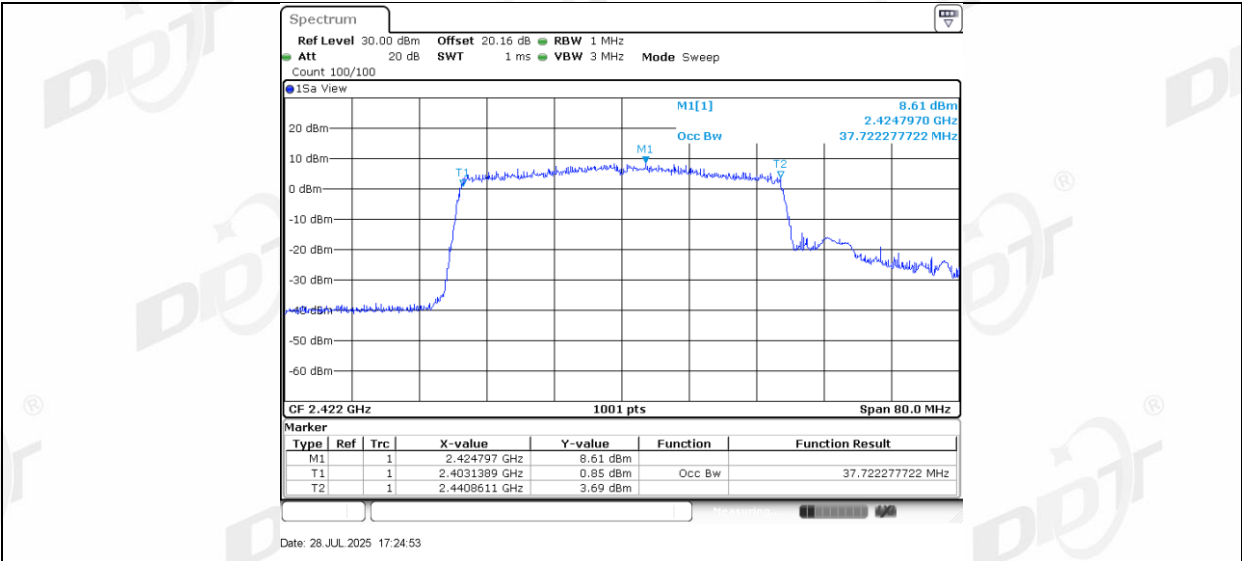
11BE20MIMO\_Ant1\_2462



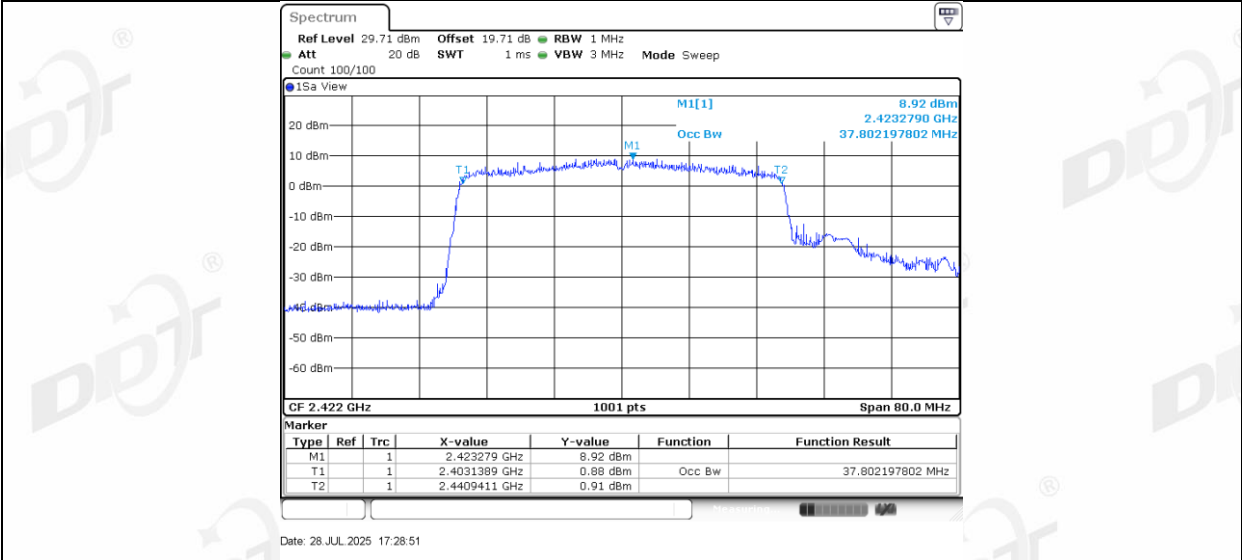
11BE20MIMO\_Ant2\_2462



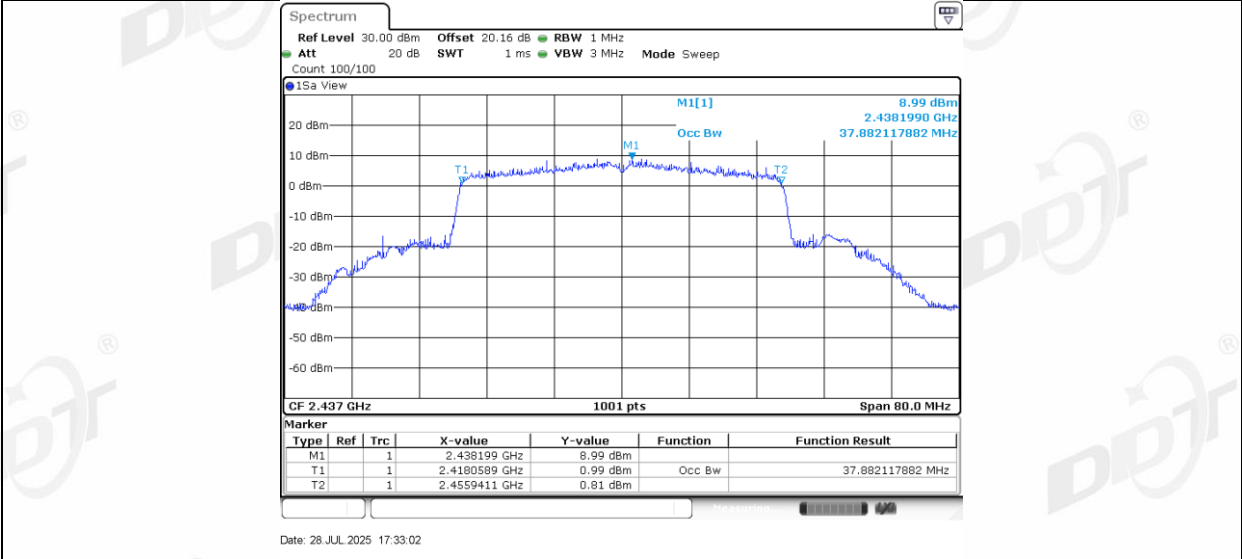
11BE40MIMO\_Ant1\_2422



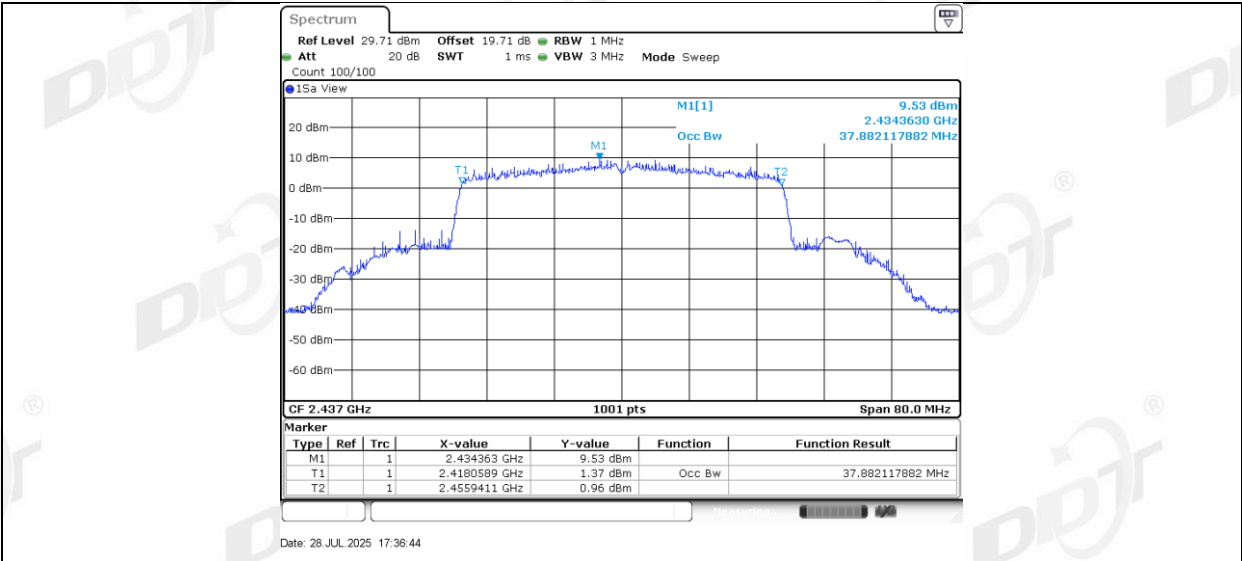
11BE40MIMO\_Ant2\_2422



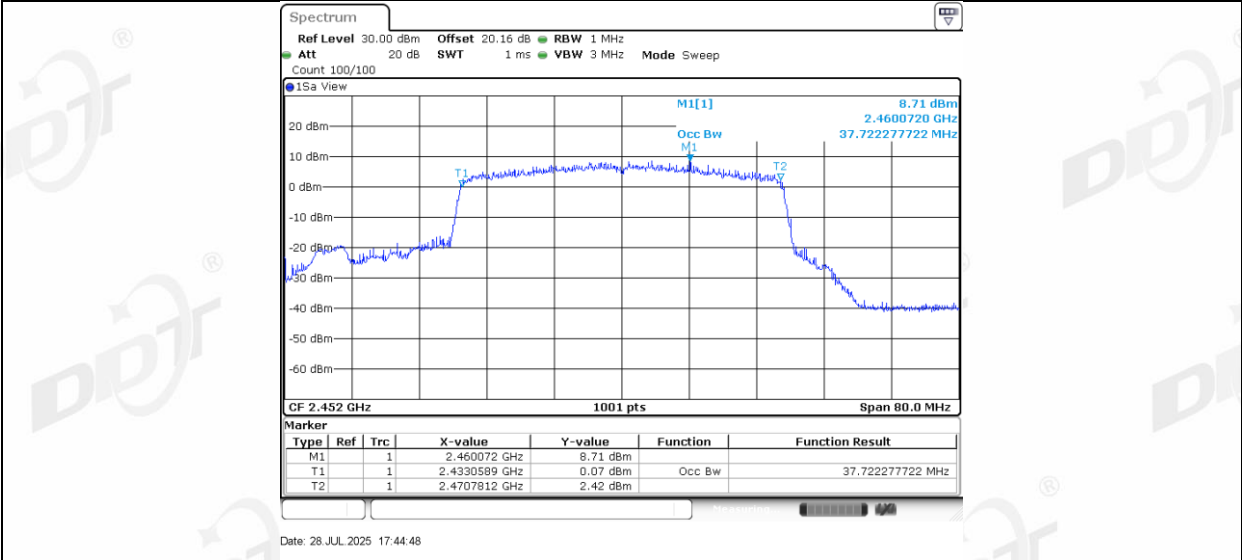
11BE40MIMO\_Ant1\_2437



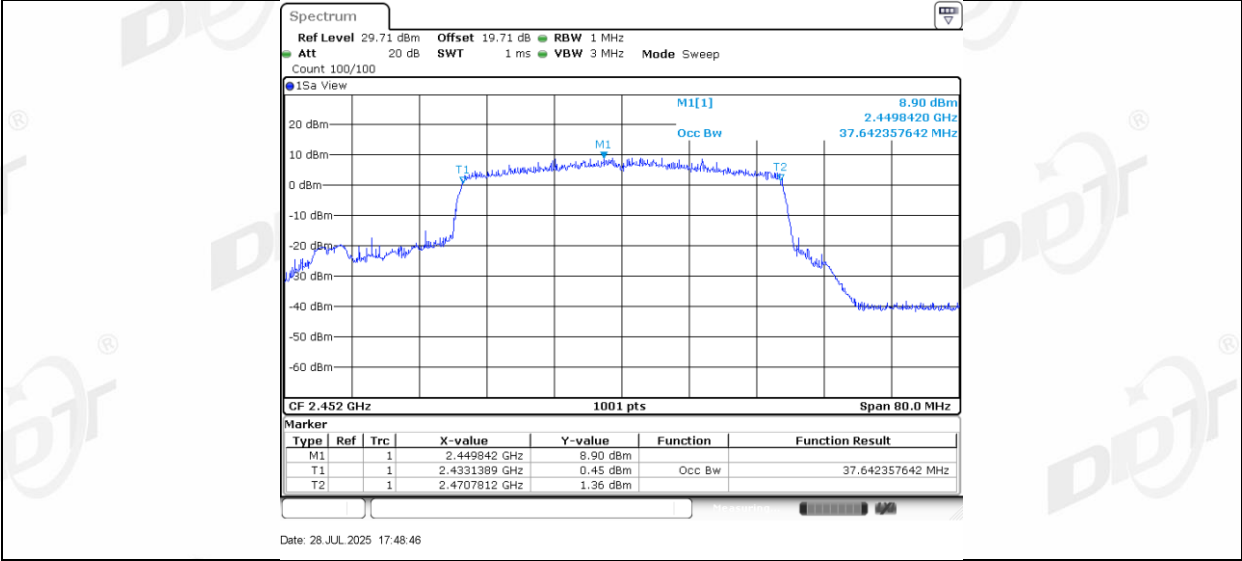
11BE40MIMO\_Ant2\_2437



11BE40MIMO\_Ant1\_2452

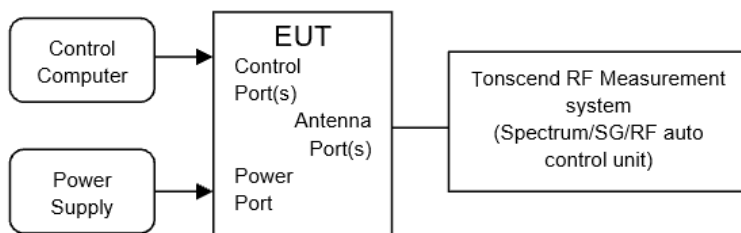


11BE40MIMO\_Ant2\_2452



## 6. Conducted Output Power

### 6.1. Block diagram of test setup



### 6.2. Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 6.3. Test procedure

- (1) The test according to ANSI C63.10 clause 11.9.2.3.
- (2) Connect EUT's antenna output to RF power meter by RF cable, the path loss was compensated to the results.
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously, If the transmitter does not transmit continuously, measure the duty cycle, D, of the transmitter output signal.
- (4) Measure the average power of the transmitter. This measurement is an average over both the ON and OFF periods of the transmitter.
- (5) Adjust the measurement in dBm by adding  $[10 \log (1 / D)]$ , where D is the duty cycle.
- (6) Record the RF average power of each antenna port.

## 6.4. Test result average

|                    |                         |                |                          |
|--------------------|-------------------------|----------------|--------------------------|
| Test Engineer:     | Zeng Zhongyao           | Test Site:     | RF Measurement System 3# |
| Ambient Condition: | 24.3-26.2℃,38.3-45.2%RH | Test Date:     | 2025.06.25-2025.07.28    |
| Test Power Supply: | AC 120V                 | Sample Number: | S25061925-001            |

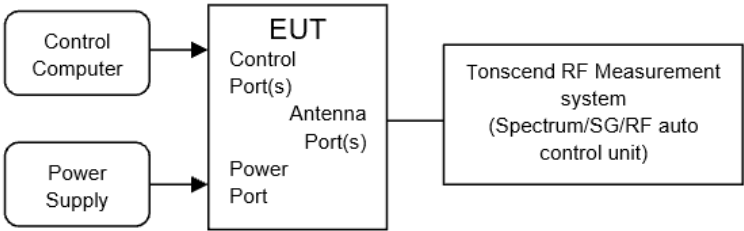
| Test Mode  | Antenna | Frequency [MHz] | Average power [dBm] | Duty Cycle [%] | DC Factor [dB] | Result [dBm] | Limit [dBm] | EIRP [dBm] | EIRP Limit [dBm] | Verdict |
|------------|---------|-----------------|---------------------|----------------|----------------|--------------|-------------|------------|------------------|---------|
| 11B        | Ant1    | 2412            | 22.76               | 99.17          | 0.04           | 22.80        | ≤30.00      | 25.64      | ≤36.00           | PASS    |
|            | Ant2    | 2412            | 22.93               | 99.05          | 0.04           | 22.97        | ≤30.00      | 25.38      | ≤36.00           | PASS    |
|            | Ant1    | 2437            | 22.67               | 99.06          | 0.04           | 22.71        | ≤30.00      | 25.55      | ≤36.00           | PASS    |
|            | Ant2    | 2437            | 22.97               | 99.06          | 0.04           | 23.01        | ≤30.00      | 25.42      | ≤36.00           | PASS    |
|            | Ant1    | 2462            | 23.04               | 99.17          | 0.04           | 23.08        | ≤30.00      | 25.92      | ≤36.00           | PASS    |
|            | Ant2    | 2462            | 22.87               | 99.05          | 0.04           | 22.91        | ≤30.00      | 25.32      | ≤36.00           | PASS    |
| 11G        | Ant1    | 2412            | 17.78               | 96.55          | 0.15           | 17.93        | ≤30.00      | 20.77      | ≤36.00           | PASS    |
|            | Ant2    | 2412            | 18.04               | 95.21          | 0.21           | 18.25        | ≤30.00      | 20.66      | ≤36.00           | PASS    |
|            | Ant1    | 2437            | 17.55               | 95.89          | 0.18           | 17.73        | ≤30.00      | 20.57      | ≤36.00           | PASS    |
|            | Ant2    | 2437            | 17.38               | 95.86          | 0.18           | 17.56        | ≤30.00      | 19.97      | ≤36.00           | PASS    |
|            | Ant1    | 2462            | 17.92               | 95.21          | 0.21           | 18.13        | ≤30.00      | 20.97      | ≤36.00           | PASS    |
|            | Ant2    | 2462            | 17.11               | 95.21          | 0.21           | 17.32        | ≤30.00      | 19.73      | ≤36.00           | PASS    |
| 11N20MIMO  | Ant1    | 2412            | 16.61               | 93.15          | 0.31           | 16.92        | ≤30.00      | 19.76      | ≤36.00           | PASS    |
|            | Ant2    | 2412            | 16.81               | 91.89          | 0.37           | 17.18        | ≤30.00      | 19.59      | ≤36.00           | PASS    |
|            | total   | 2412            | ---                 | ---            | ---            | 20.06        | ≤30.00      | 22.9       | ≤36.00           | PASS    |
|            | Ant1    | 2437            | 16.35               | 90.54          | 0.43           | 16.78        | ≤30.00      | 19.62      | ≤36.00           | PASS    |
|            | Ant2    | 2437            | 16.18               | 90.54          | 0.43           | 16.61        | ≤30.00      | 19.02      | ≤36.00           | PASS    |
|            | total   | 2437            | ---                 | ---            | ---            | 19.71        | ≤30.00      | 22.55      | ≤36.00           | PASS    |
|            | Ant1    | 2462            | 16.80               | 90.54          | 0.43           | 17.23        | ≤30.00      | 20.07      | ≤36.00           | PASS    |
|            | Ant2    | 2462            | 15.95               | 91.89          | 0.37           | 16.32        | ≤30.00      | 18.73      | ≤36.00           | PASS    |
| 11N40MIMO  | total   | 2462            | ---                 | ---            | ---            | 19.81        | ≤30.00      | 22.65      | ≤36.00           | PASS    |
|            | Ant1    | 2422            | 13.45               | 85.37          | 0.69           | 14.14        | ≤30.00      | 16.98      | ≤36.00           | PASS    |
|            | Ant2    | 2422            | 13.83               | 82.93          | 0.81           | 14.64        | ≤30.00      | 17.05      | ≤36.00           | PASS    |
|            | total   | 2422            | ---                 | ---            | ---            | 17.41        | ≤30.00      | 20.25      | ≤36.00           | PASS    |
|            | Ant1    | 2437            | 13.37               | 85.37          | 0.69           | 14.06        | ≤30.00      | 16.9       | ≤36.00           | PASS    |
|            | Ant2    | 2437            | 13.25               | 53.85          | 2.69           | 15.94        | ≤30.00      | 18.35      | ≤36.00           | PASS    |
|            | total   | 2437            | ---                 | ---            | ---            | 18.11        | ≤30.00      | 20.95      | ≤36.00           | PASS    |
|            | Ant1    | 2452            | 13.26               | 53.85          | 2.69           | 15.95        | ≤30.00      | 18.79      | ≤36.00           | PASS    |
| 11AX20MIMO | Ant2    | 2452            | 13.09               | 50.00          | 3.01           | 16.10        | ≤30.00      | 18.51      | ≤36.00           | PASS    |
|            | total   | 2452            | ---                 | ---            | ---            | 19.04        | ≤30.00      | 21.88      | ≤36.00           | PASS    |
|            | Ant1    | 2412            | 17.01               | 63.16          | 2.00           | 19.01        | ≤30.00      | 21.85      | ≤36.00           | PASS    |
|            | Ant2    | 2412            | 17.17               | 63.16          | 2.00           | 19.17        | ≤30.00      | 21.58      | ≤36.00           | PASS    |
|            | total   | 2412            | ---                 | ---            | ---            | 22.10        | ≤30.00      | 24.94      | ≤36.00           | PASS    |
|            | Ant1    | 2437            | 16.73               | 66.67          | 1.76           | 18.49        | ≤30.00      | 21.33      | ≤36.00           | PASS    |
|            | Ant2    | 2437            | 16.55               | 63.16          | 2.00           | 18.55        | ≤30.00      | 20.96      | ≤36.00           | PASS    |
|            | total   | 2437            | ---                 | ---            | ---            | 21.53        | ≤30.00      | 24.37      | ≤36.00           | PASS    |
| 11AX40MIMO | Ant1    | 2462            | 17.13               | 83.78          | 0.77           | 17.90        | ≤30.00      | 20.74      | ≤36.00           | PASS    |
|            | Ant2    | 2462            | 16.29               | 83.78          | 0.77           | 17.06        | ≤30.00      | 19.47      | ≤36.00           | PASS    |
|            | total   | 2462            | ---                 | ---            | ---            | 20.51        | ≤30.00      | 23.35      | ≤36.00           | PASS    |
|            | Ant1    | 2422            | 13.07               | 81.58          | 0.88           | 13.95        | ≤30.00      | 16.79      | ≤36.00           | PASS    |
|            | Ant2    | 2422            | 13.44               | 83.78          | 0.77           | 14.21        | ≤30.00      | 16.62      | ≤36.00           | PASS    |
|            | total   | 2422            | ---                 | ---            | ---            | 17.09        | ≤30.00      | 19.93      | ≤36.00           | PASS    |
|            | Ant1    | 2437            | 12.95               | 81.58          | 0.88           | 13.83        | ≤30.00      | 16.67      | ≤36.00           | PASS    |
|            | Ant2    | 2437            | 12.84               | 81.58          | 0.88           | 13.72        | ≤30.00      | 16.13      | ≤36.00           | PASS    |
| 11BE20MIMO | total   | 2437            | ---                 | ---            | ---            | 16.79        | ≤30.00      | 19.63      | ≤36.00           | PASS    |
|            | Ant1    | 2452            | 12.82               | 81.58          | 0.88           | 13.70        | ≤30.00      | 16.54      | ≤36.00           | PASS    |
|            | Ant2    | 2452            | 12.68               | 83.78          | 0.77           | 13.45        | ≤30.00      | 15.86      | ≤36.00           | PASS    |
|            | total   | 2452            | ---                 | ---            | ---            | 16.59        | ≤30.00      | 19.43      | ≤36.00           | PASS    |
|            | Ant1    | 2412            | 16.53               | 84.21          | 0.75           | 17.28        | ≤30.00      | 20.12      | ≤36.00           | PASS    |
|            | Ant2    | 2412            | 16.70               | 84.21          | 0.75           | 17.45        | ≤30.00      | 19.86      | ≤36.00           | PASS    |
| 11BE20MIMO | total   | 2412            | ---                 | ---            | ---            | 20.38        | ≤30.00      | 23.22      | ≤36.00           | PASS    |
|            | Ant1    | 2437            | 16.26               | 84.21          | 0.75           | 17.01        | ≤30.00      | 19.85      | ≤36.00           | PASS    |
|            | Ant2    | 2437            | 16.08               | 84.21          | 0.75           | 16.83        | ≤30.00      | 19.24      | ≤36.00           | PASS    |
|            | total   | 2437            | ---                 | ---            | ---            | 19.93        | ≤30.00      | 22.77      | ≤36.00           | PASS    |

|            |       |      |       |       |      |       |        |       |        |      |
|------------|-------|------|-------|-------|------|-------|--------|-------|--------|------|
|            | Ant1  | 2462 | 16.66 | 84.21 | 0.75 | 17.41 | ≤30.00 | 20.25 | ≤36.00 | PASS |
|            | Ant2  | 2462 | 15.79 | 81.58 | 0.88 | 16.67 | ≤30.00 | 19.08 | ≤36.00 | PASS |
|            | total | 2462 | ---   | ---   | ---  | 20.07 | ≤30.00 | 22.91 | ≤36.00 | PASS |
| 11BE40MIMO | Ant1  | 2422 | 12.52 | 81.58 | 0.88 | 13.40 | ≤30.00 | 16.24 | ≤36.00 | PASS |
|            | Ant2  | 2422 | 12.88 | 81.58 | 0.88 | 13.76 | ≤30.00 | 16.17 | ≤36.00 | PASS |
|            | total | 2422 | ---   | ---   | ---  | 16.59 | ≤30.00 | 19.43 | ≤36.00 | PASS |
|            | Ant1  | 2437 | 12.39 | 81.58 | 0.88 | 13.27 | ≤30.00 | 16.11 | ≤36.00 | PASS |
|            | Ant2  | 2437 | 12.51 | 84.21 | 0.75 | 13.26 | ≤30.00 | 15.67 | ≤36.00 | PASS |
|            | total | 2437 | ---   | ---   | ---  | 16.28 | ≤30.00 | 19.12 | ≤36.00 | PASS |
|            | Ant1  | 2452 | 12.29 | 81.58 | 0.88 | 13.17 | ≤30.00 | 16.01 | ≤36.00 | PASS |
|            | Ant2  | 2452 | 12.39 | 84.21 | 0.75 | 13.14 | ≤30.00 | 15.55 | ≤36.00 | PASS |
|            | total | 2452 | ---   | ---   | ---  | 16.17 | ≤30.00 | 19.01 | ≤36.00 | PASS |

Note: EIRP (dBm)=Conducted Output Power (dBm)+ Antenna Gain (dBi)

7. Power Spectral Density

7.1. Block diagram of test setup



7.2. Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

7.3. Test procedure

- (1) The test according to ANSI C63.10 clause 11.10.5.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously.
- (4) Use the following spectrum analyzer settings for Power Spectral Density measurement:

|                  |                                                    |
|------------------|----------------------------------------------------|
| Center frequency | DTS Channel center frequency                       |
| RBW:             | $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$ |
| VBW:             | $\geq 3\text{RBW}$                                 |
| Span             | 1.5 times the DTS bandwidth                        |
| Detector Mode:   | RMS                                                |
| Sweep time:      | auto                                               |
| Trace mode       | max hold                                           |
|                  | Employ trace averaging (rms)                       |
| Trace            | mode over a minimum of 100 traces.                 |

- (5) Add  $[10 \log (1 / D)]$ , where D is the duty cycle measured in step a), to the measured PSD to compute the average PSD during the actual transmission time.  
If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

## 7.4. Test result

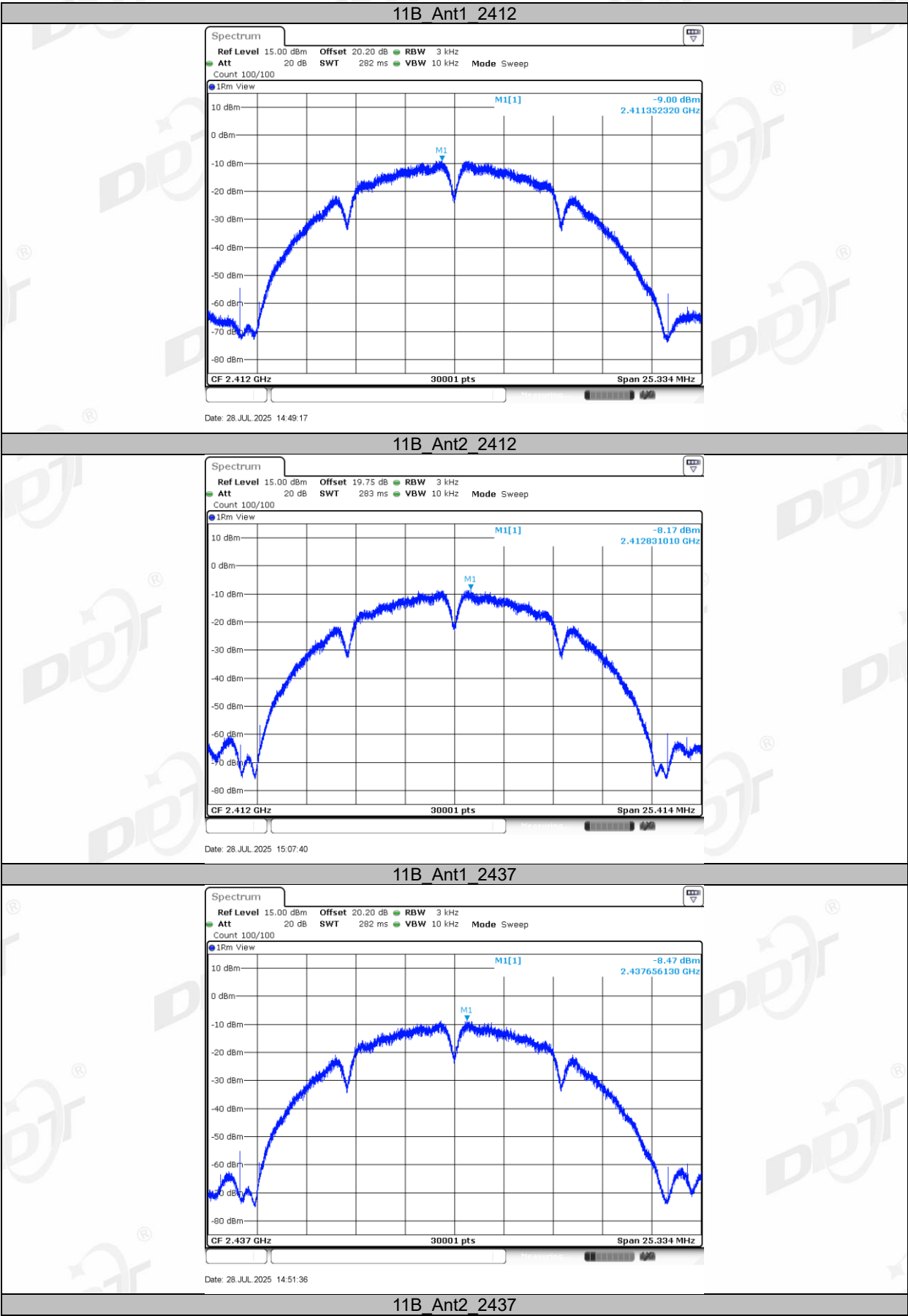
|                    |                         |                |                          |
|--------------------|-------------------------|----------------|--------------------------|
| Test Engineer:     | Zeng Zhongyao           | Test Site:     | RF Measurement System 3# |
| Ambient Condition: | 24.3-26.2℃,38.3-45.2%RH | Test Date:     | 2025.06.25-2025.07.28    |
| Test Power Supply: | AC 120V                 | Sample Number: | S25061925-001            |

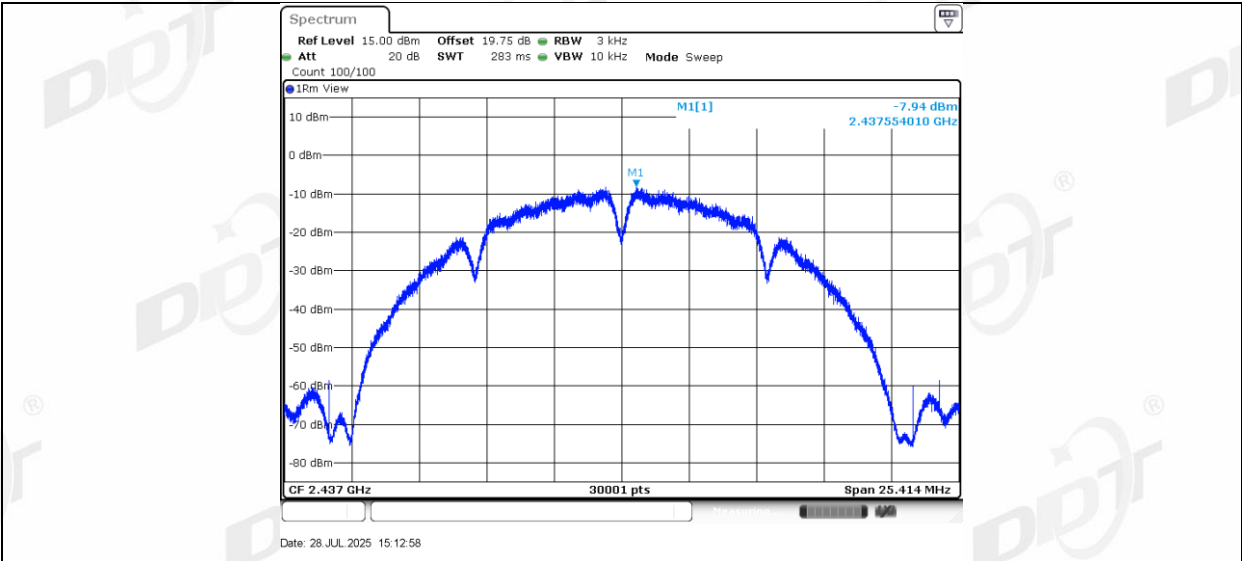
| Test Mode  | Antenna | Frequency [MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|------------|---------|-----------------|----------------------|-----------------|---------|
| 11B        | Ant1    | 2412            | -9.00                | ≤8.00           | PASS    |
|            | Ant2    | 2412            | -8.17                | ≤8.00           | PASS    |
|            | Ant1    | 2437            | -8.47                | ≤8.00           | PASS    |
|            | Ant2    | 2437            | -7.94                | ≤8.00           | PASS    |
|            | Ant1    | 2462            | -6.49                | ≤8.00           | PASS    |
|            | Ant2    | 2462            | -8.01                | ≤8.00           | PASS    |
| 11G        | Ant1    | 2412            | -16.77               | ≤8.00           | PASS    |
|            | Ant2    | 2412            | -16.75               | ≤8.00           | PASS    |
|            | Ant1    | 2437            | -16.83               | ≤8.00           | PASS    |
|            | Ant2    | 2437            | -16.93               | ≤8.00           | PASS    |
|            | Ant1    | 2462            | -16.53               | ≤8.00           | PASS    |
|            | Ant2    | 2462            | -17.40               | ≤8.00           | PASS    |
| 11N20MIMO  | Ant1    | 2412            | -17.61               | ≤8.00           | PASS    |
|            | Ant2    | 2412            | -16.44               | ≤8.00           | PASS    |
|            | total   | 2412            | -13.98               | ≤8.00           | PASS    |
|            | Ant1    | 2437            | -17.00               | ≤8.00           | PASS    |
|            | Ant2    | 2437            | -16.99               | ≤8.00           | PASS    |
|            | total   | 2437            | -13.98               | ≤8.00           | PASS    |
|            | Ant1    | 2462            | -17.01               | ≤8.00           | PASS    |
|            | Ant2    | 2462            | -17.04               | ≤8.00           | PASS    |
|            | total   | 2462            | -14.01               | ≤8.00           | PASS    |
|            | Ant1    | 2422            | -21.17               | ≤8.00           | PASS    |
| 11N40MIMO  | Ant2    | 2422            | -20.40               | ≤8.00           | PASS    |
|            | total   | 2422            | -17.76               | ≤8.00           | PASS    |
|            | Ant1    | 2437            | -20.77               | ≤8.00           | PASS    |
|            | Ant2    | 2437            | -18.92               | ≤8.00           | PASS    |
|            | total   | 2437            | -16.74               | ≤8.00           | PASS    |
|            | Ant1    | 2452            | -19.01               | ≤8.00           | PASS    |
|            | Ant2    | 2452            | -18.65               | ≤8.00           | PASS    |
|            | total   | 2452            | -15.82               | ≤8.00           | PASS    |
|            | Ant1    | 2412            | -12.11               | ≤8.00           | PASS    |
|            | Ant2    | 2412            | -13.08               | ≤8.00           | PASS    |
| 11AX20MIMO | total   | 2412            | -9.56                | ≤8.00           | PASS    |
|            | Ant1    | 2437            | -12.50               | ≤8.00           | PASS    |
|            | Ant2    | 2437            | -13.80               | ≤8.00           | PASS    |
|            | total   | 2437            | -10.09               | ≤8.00           | PASS    |
|            | Ant1    | 2462            | -13.06               | ≤8.00           | PASS    |
|            | Ant2    | 2462            | -14.80               | ≤8.00           | PASS    |
|            | total   | 2462            | -10.83               | ≤8.00           | PASS    |
|            | Ant1    | 2422            | -21.35               | ≤8.00           | PASS    |
|            | Ant2    | 2422            | -21.07               | ≤8.00           | PASS    |
|            | total   | 2422            | -18.20               | ≤8.00           | PASS    |
| 11AX40MIMO | Ant1    | 2437            | -21.10               | ≤8.00           | PASS    |
|            | Ant2    | 2437            | -21.87               | ≤8.00           | PASS    |
|            | total   | 2437            | -18.46               | ≤8.00           | PASS    |
|            | Ant1    | 2452            | -21.47               | ≤8.00           | PASS    |
|            | Ant2    | 2452            | -22.49               | ≤8.00           | PASS    |
|            | total   | 2452            | -18.94               | ≤8.00           | PASS    |
|            | Ant1    | 2412            | -15.06               | ≤8.00           | PASS    |
|            | Ant2    | 2412            | -15.35               | ≤8.00           | PASS    |
|            | total   | 2412            | -12.19               | ≤8.00           | PASS    |
|            | Ant1    | 2437            | -15.46               | ≤8.00           | PASS    |
| 11BE20MIMO | Ant2    | 2437            | -15.41               | ≤8.00           | PASS    |
|            | total   | 2437            | -12.42               | ≤8.00           | PASS    |
|            | Ant1    | 2462            | -14.98               | ≤8.00           | PASS    |

|            |       |      |        |       |      |
|------------|-------|------|--------|-------|------|
| 11BE40MIMO | Ant2  | 2462 | -15.38 | ≤8.00 | PASS |
|            | total | 2462 | -12.17 | ≤8.00 | PASS |
|            | Ant1  | 2422 | -21.70 | ≤8.00 | PASS |
|            | Ant2  | 2422 | -20.98 | ≤8.00 | PASS |
|            | total | 2422 | -18.31 | ≤8.00 | PASS |
|            | Ant1  | 2437 | -21.36 | ≤8.00 | PASS |
|            | Ant2  | 2437 | -21.93 | ≤8.00 | PASS |
|            | total | 2437 | -18.63 | ≤8.00 | PASS |
|            | Ant1  | 2452 | -21.28 | ≤8.00 | PASS |
|            | Ant2  | 2452 | -21.68 | ≤8.00 | PASS |
|            | total | 2452 | -18.47 | ≤8.00 | PASS |

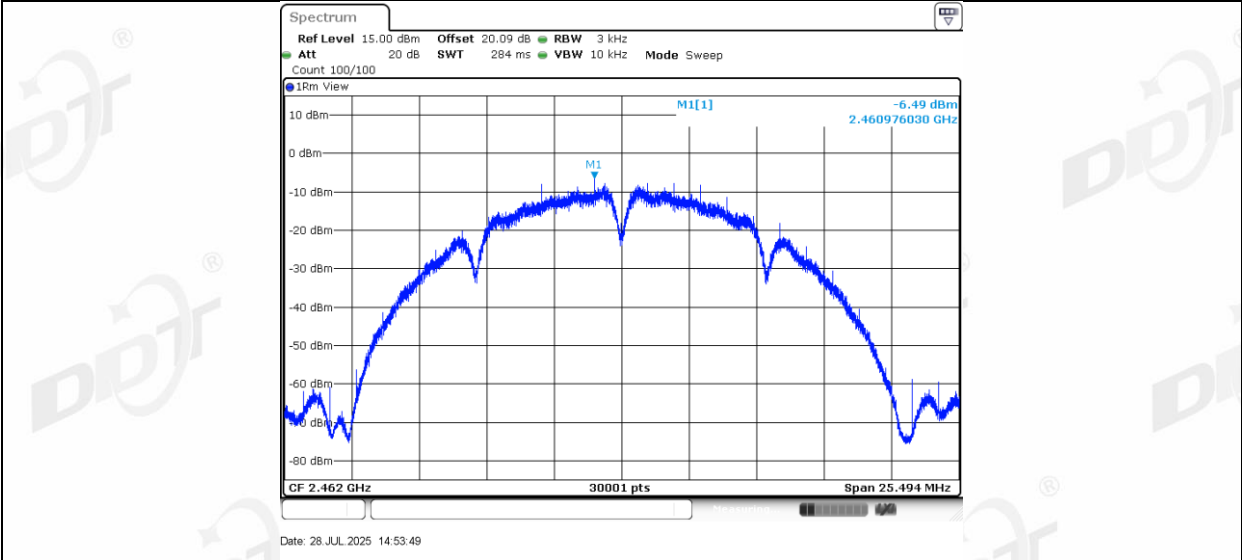
Note: The Duty Cycle Factor is compensated in the graph.

7.5. Test graphs

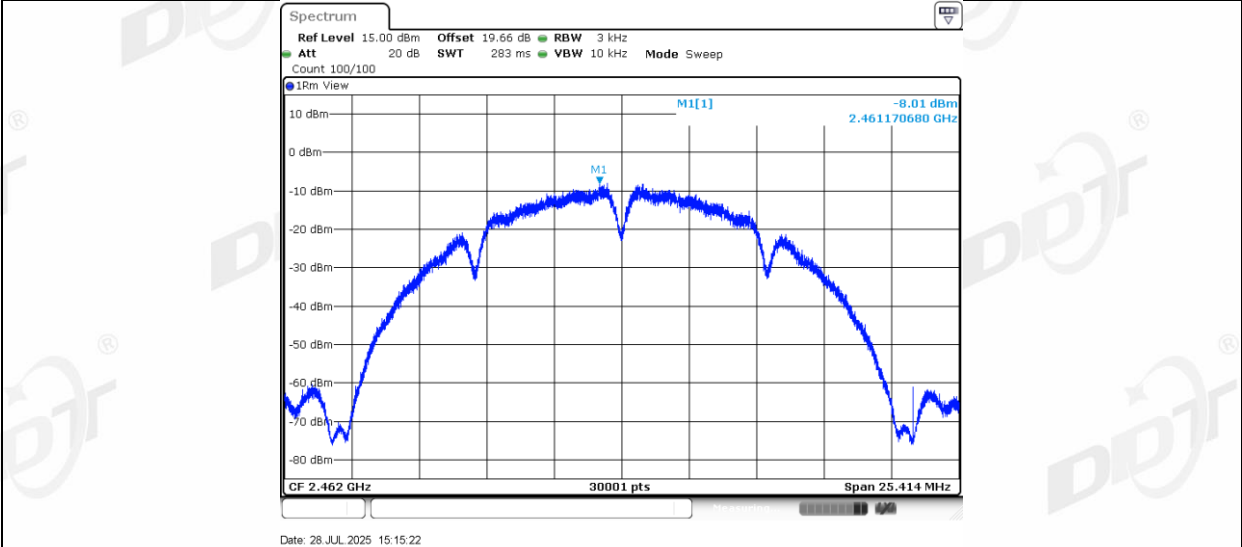




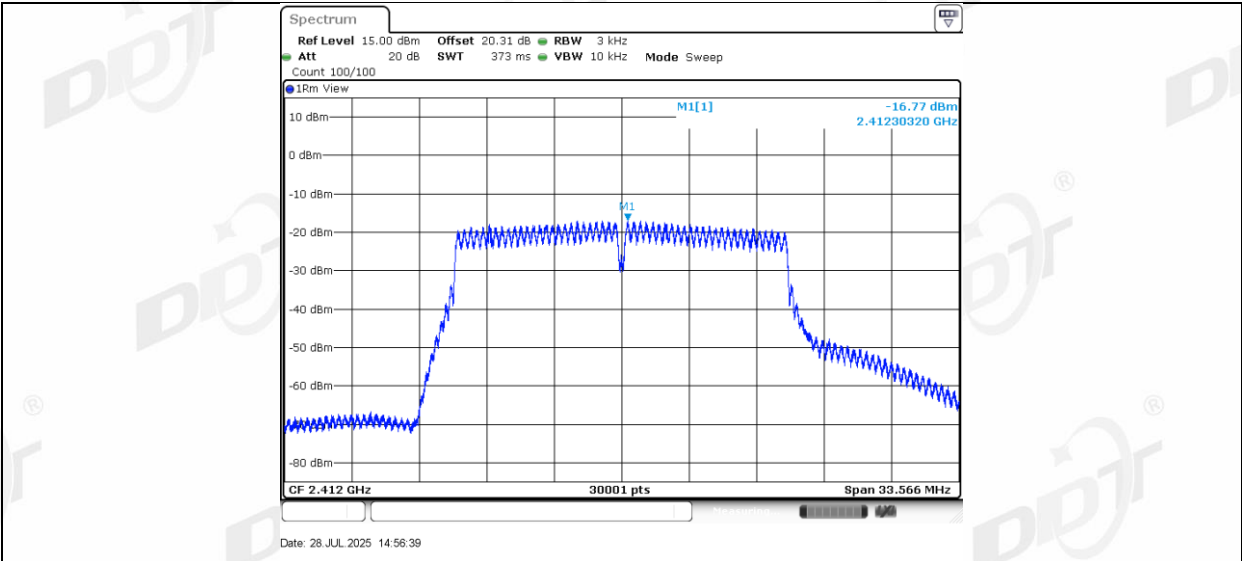
11B\_Ant1\_2462



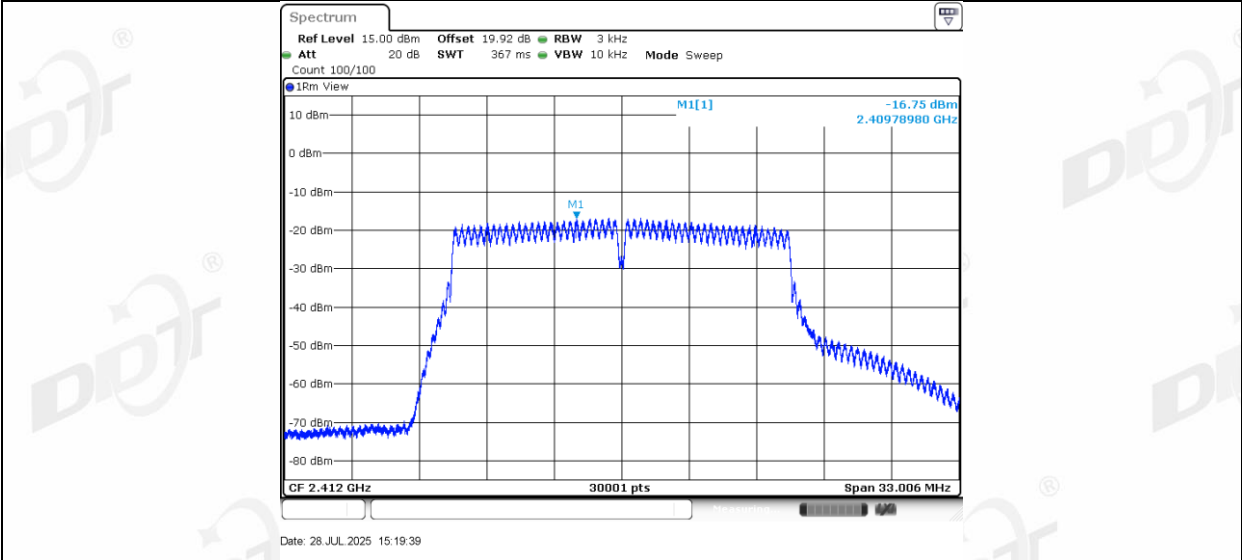
11B\_Ant2\_2462



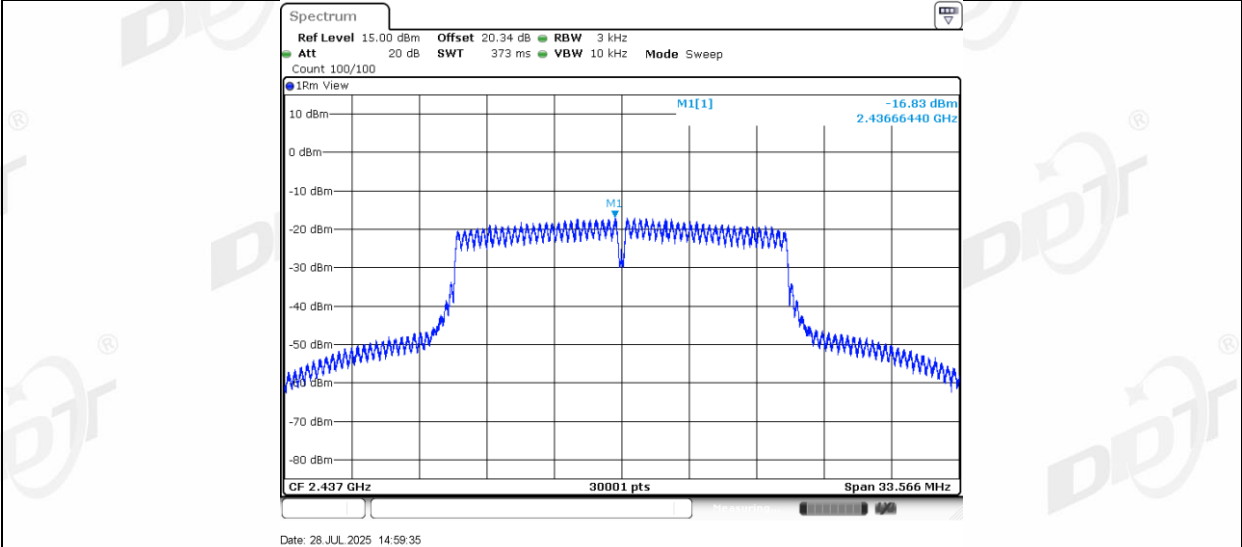
11G\_Ant1\_2412



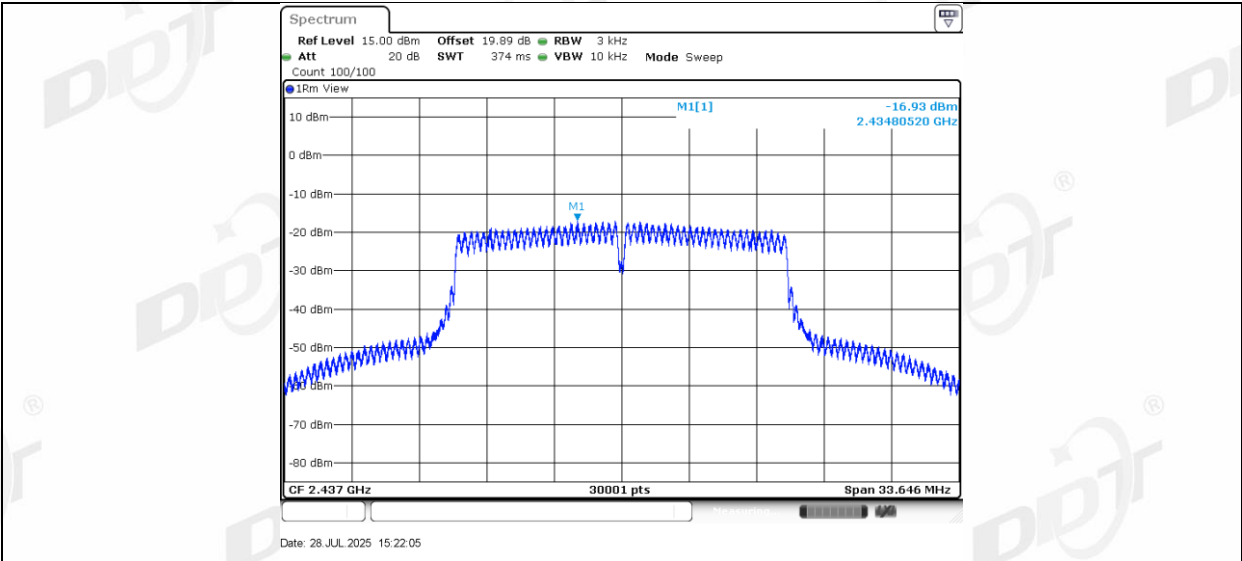
11G Ant2\_2412



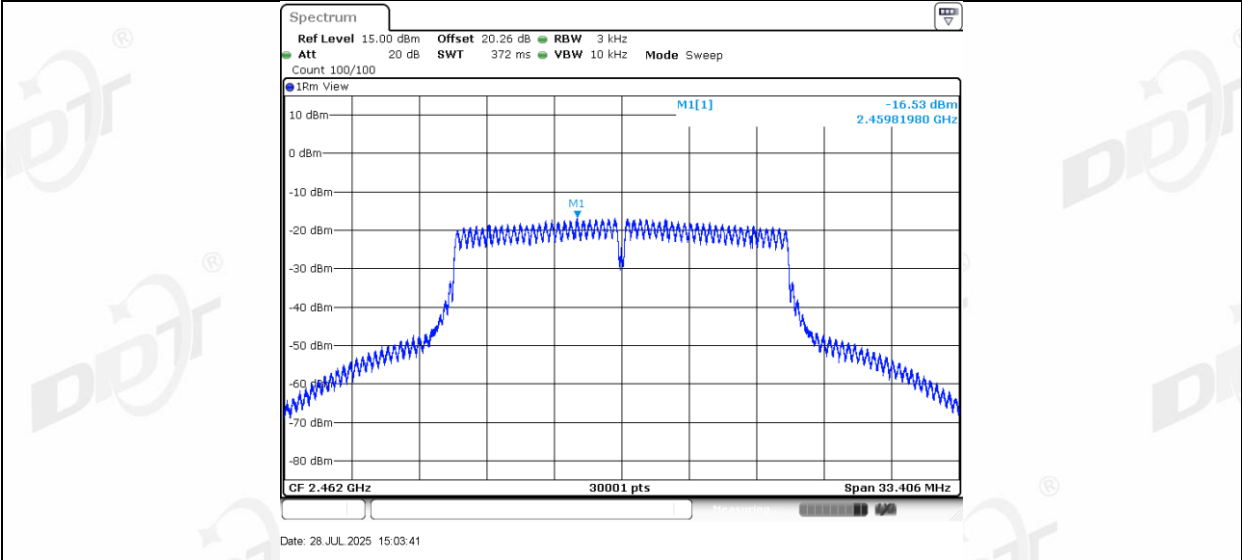
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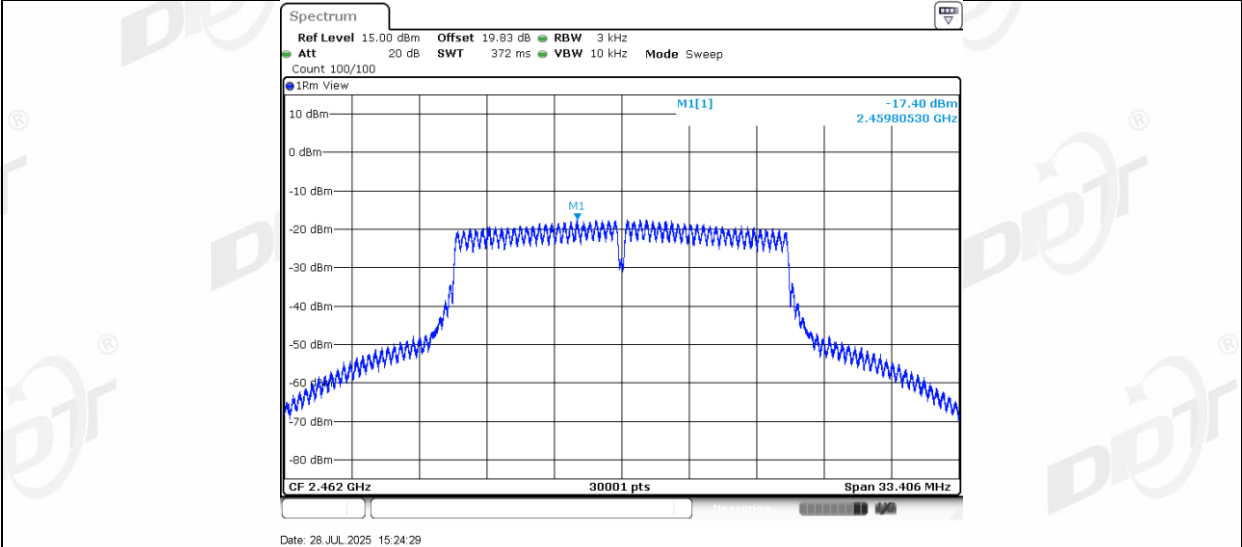
11G Ant2\_2437



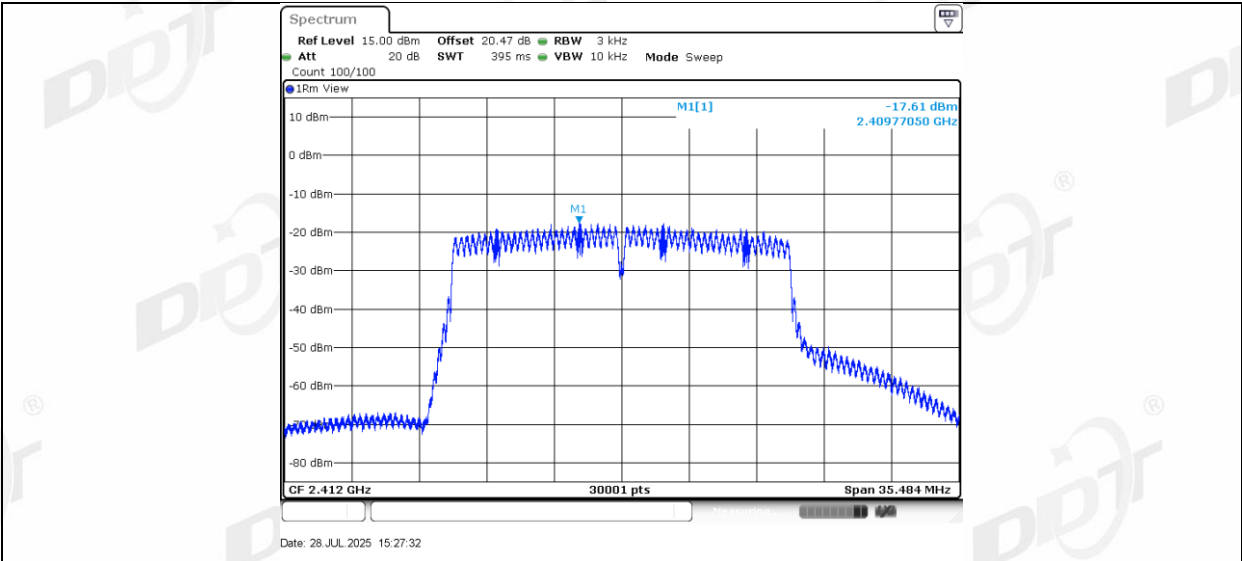
11G Ant1\_2462



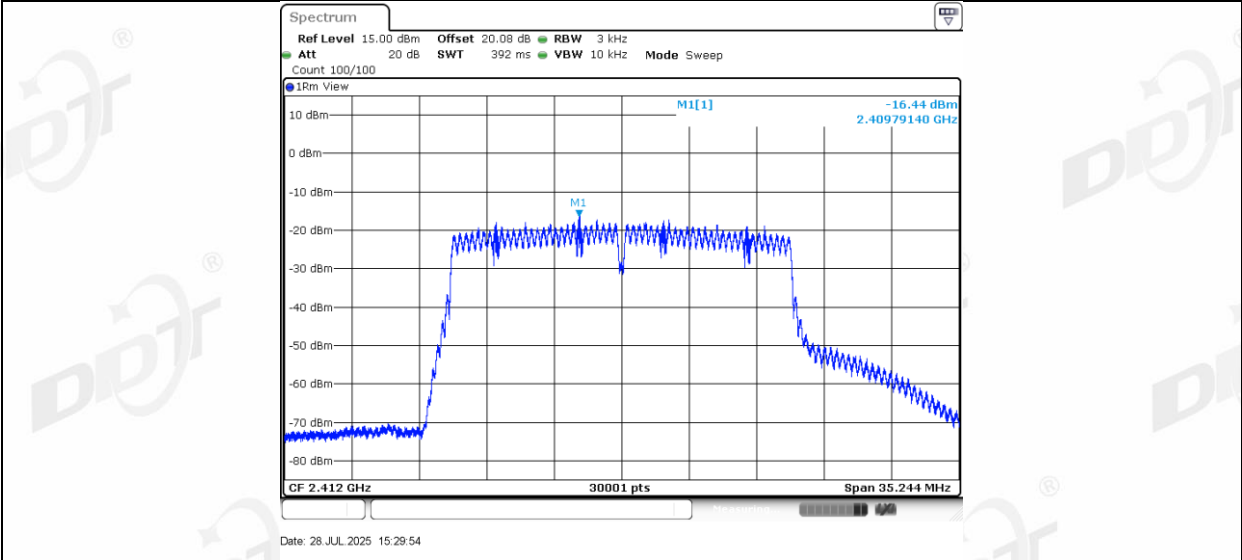
11G Ant2\_2462



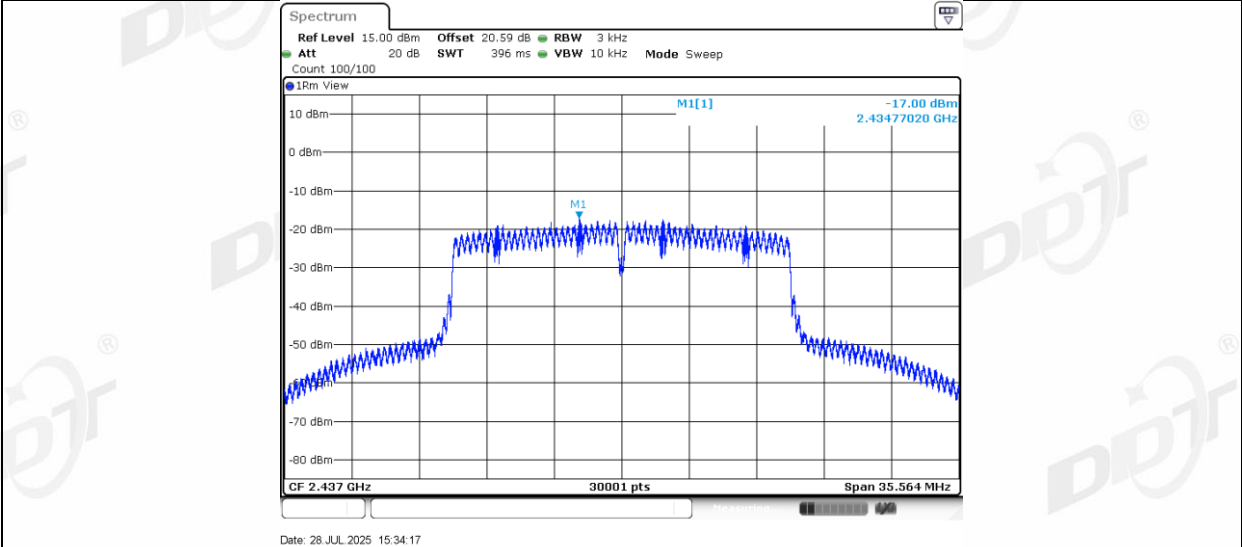
11N20MIMO Ant1\_2412



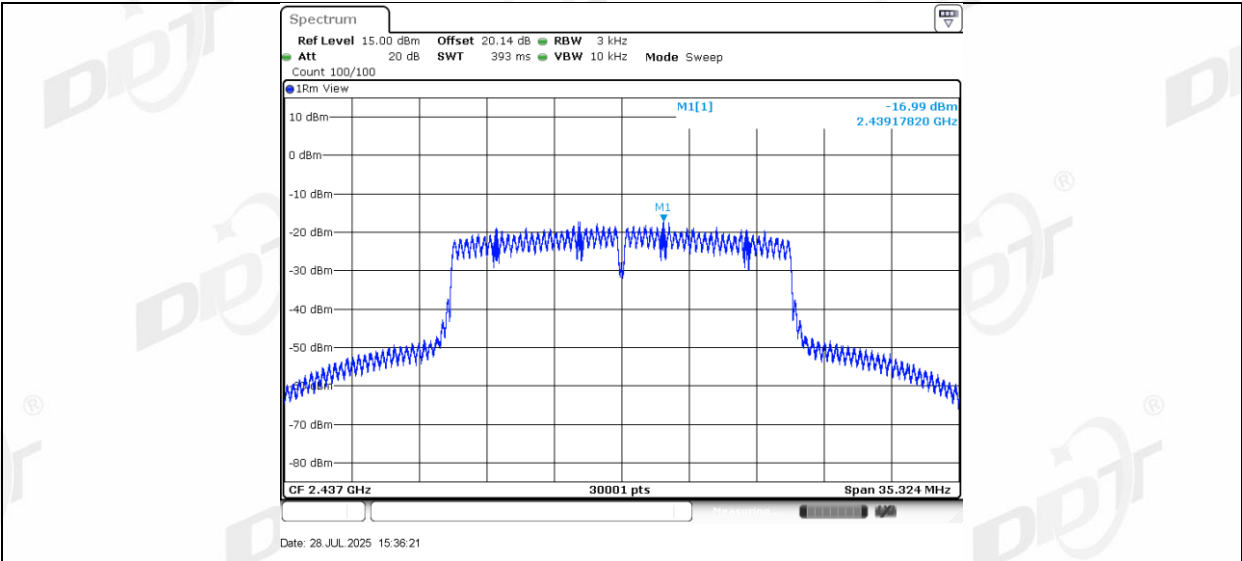
11N20MIMO\_Ant2\_2412



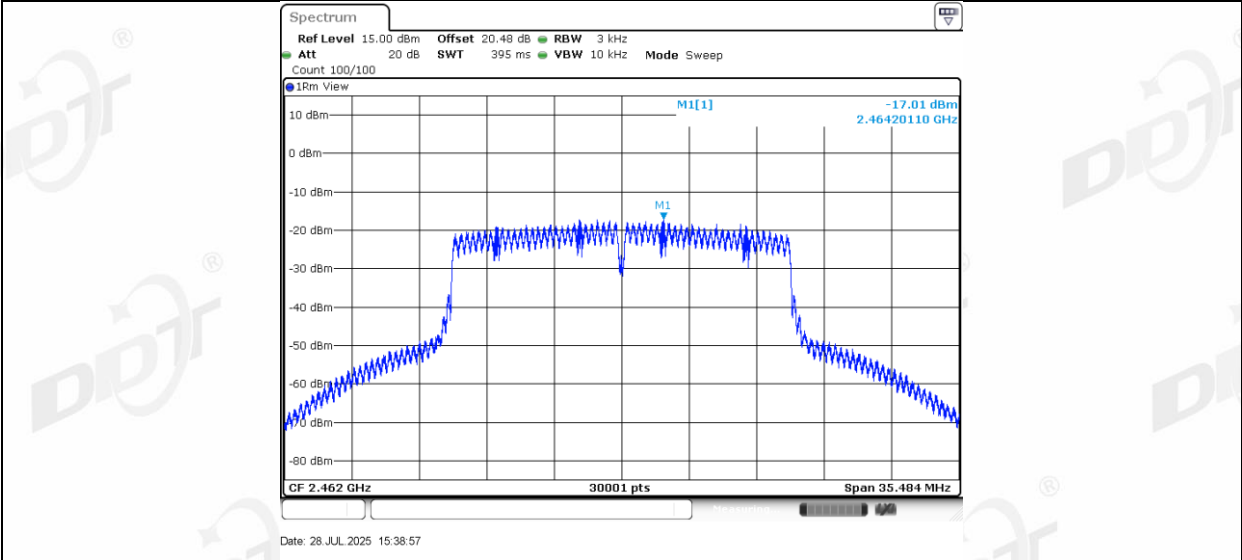
11N20MIMO\_Ant1\_2437



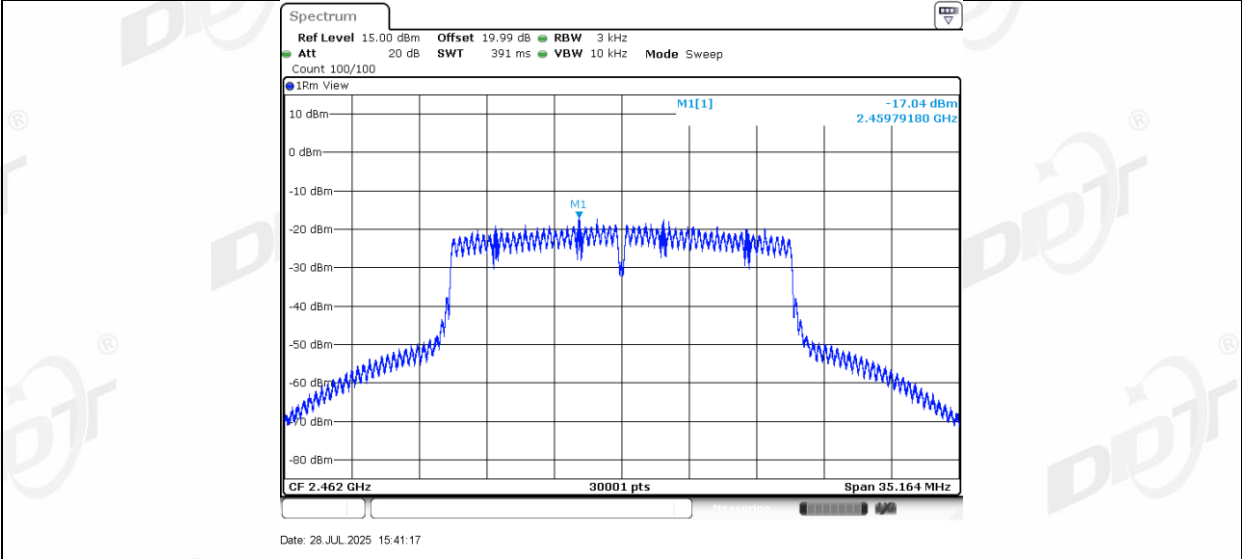
11N20MIMO\_Ant2\_2437



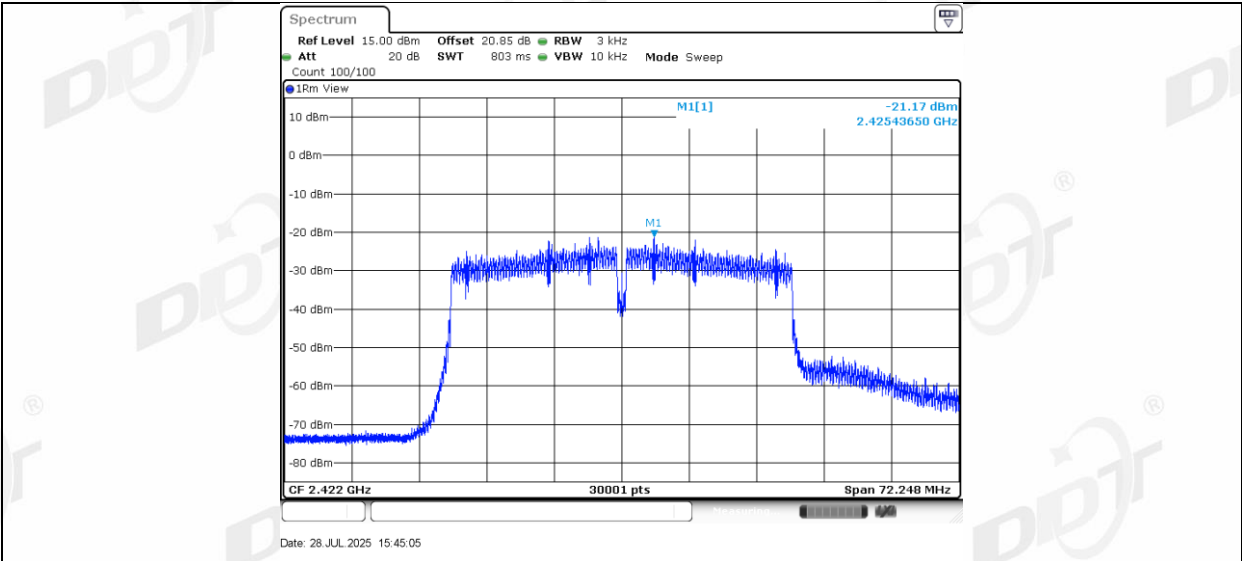
11N20MIMO\_Ant1\_2462



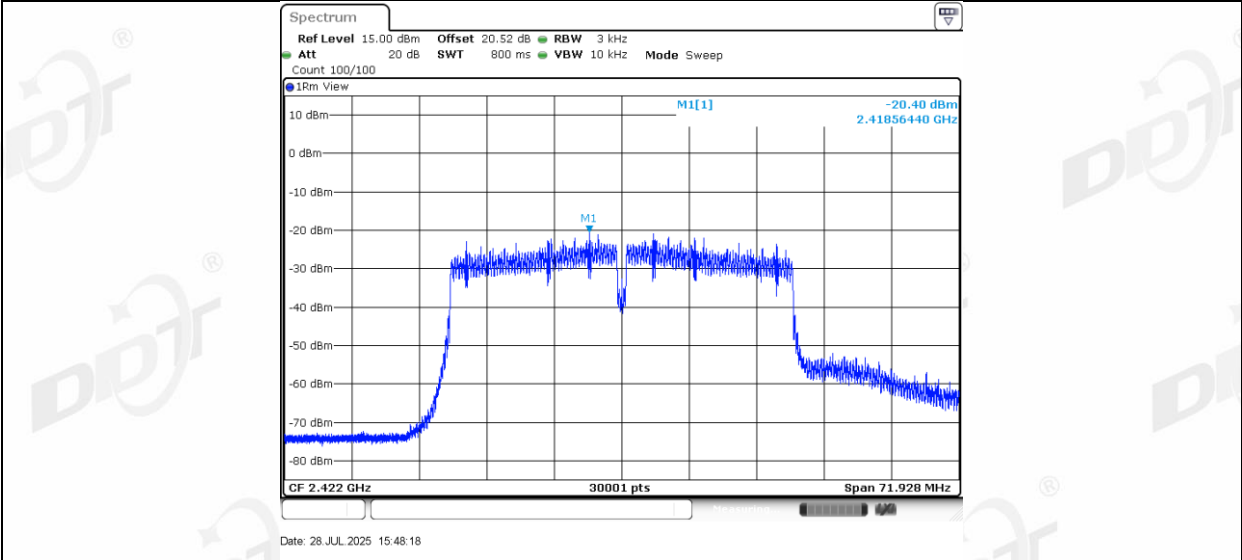
11N20MIMO\_Ant2\_2462



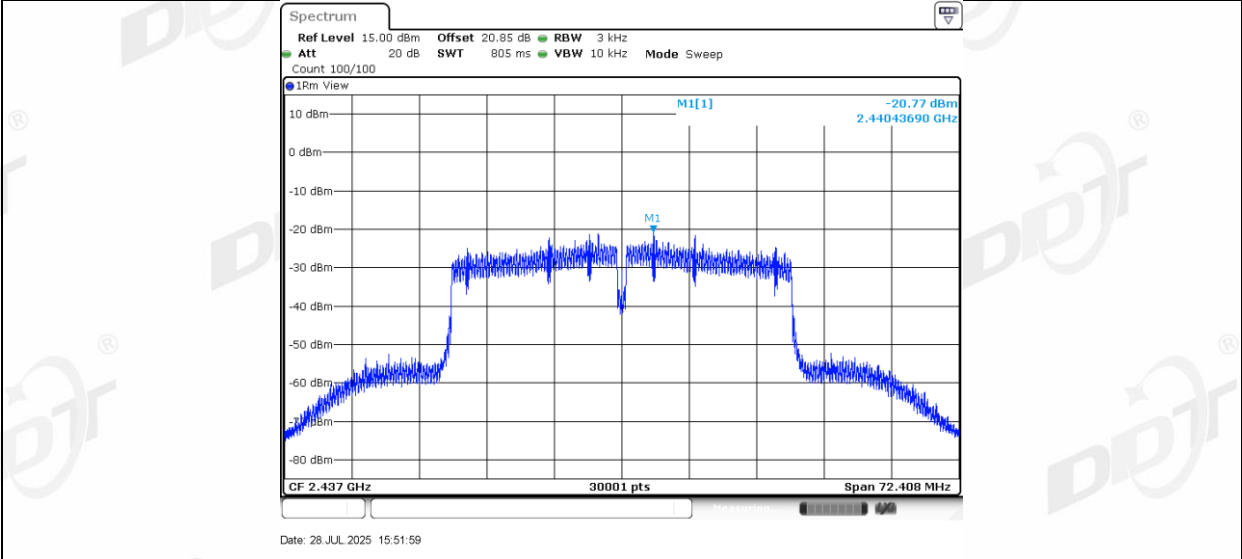
11N40MIMO\_Ant1\_2422



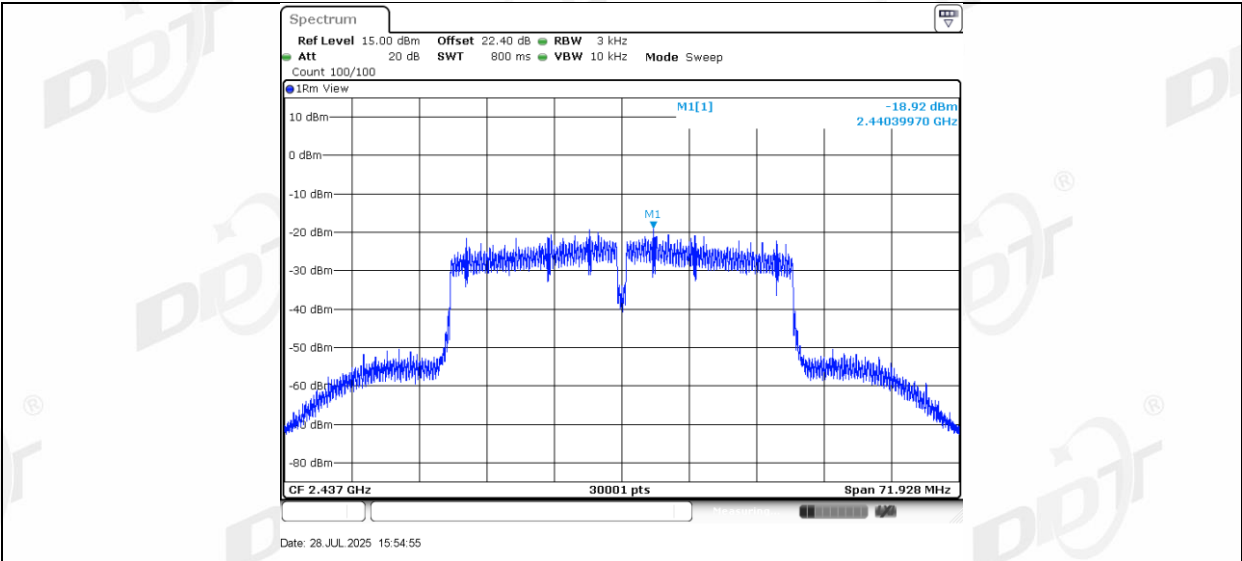
11N40MIMO\_Ant2\_2422



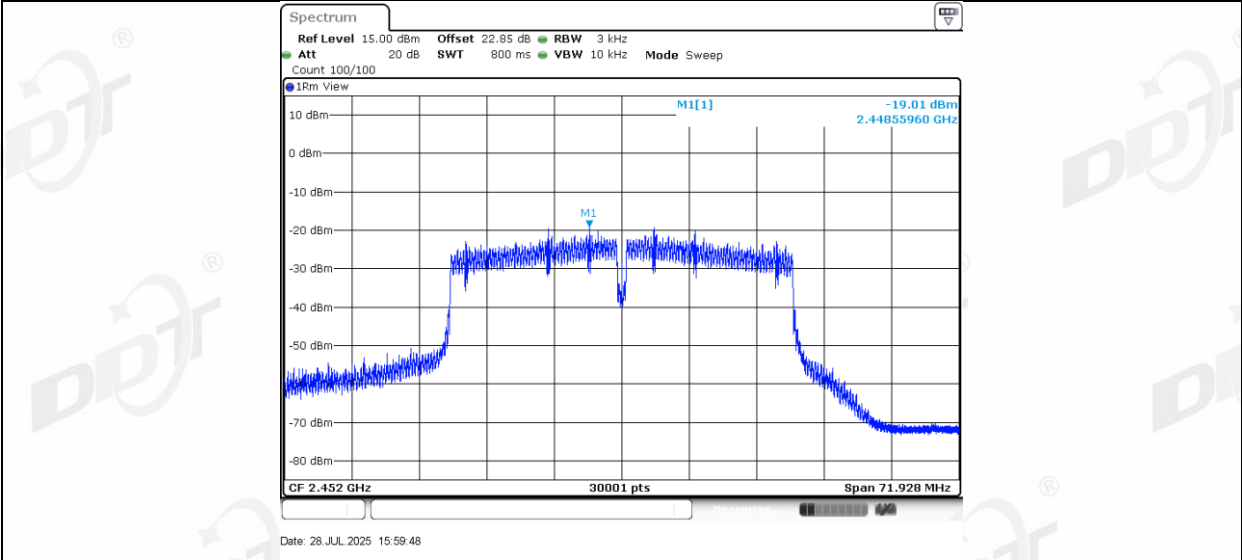
11N40MIMO\_Ant1\_2437



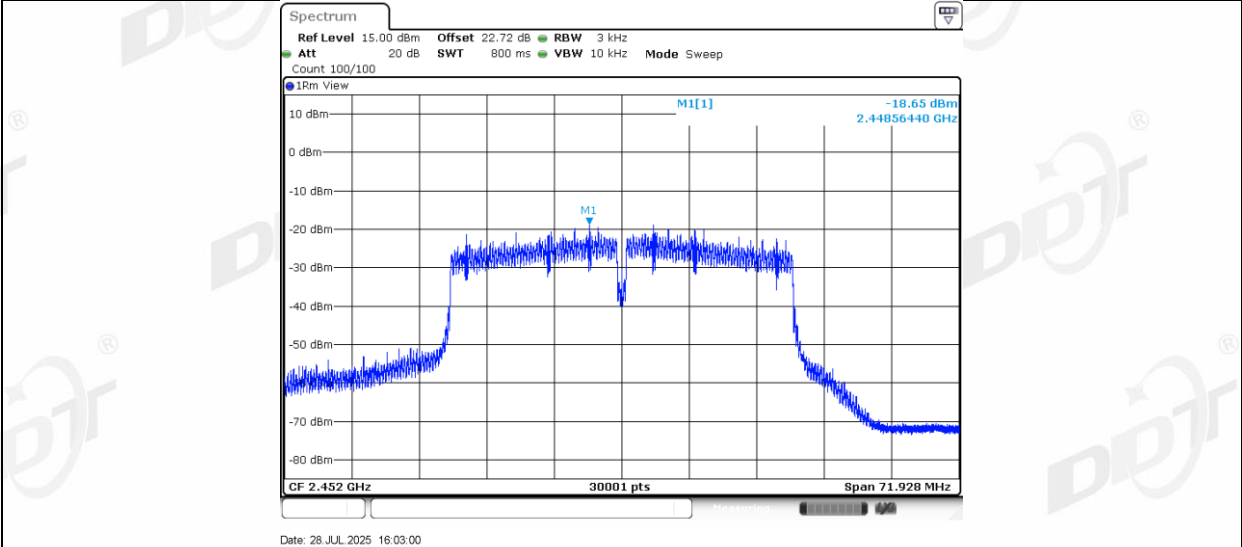
11N40MIMO\_Ant2\_2437



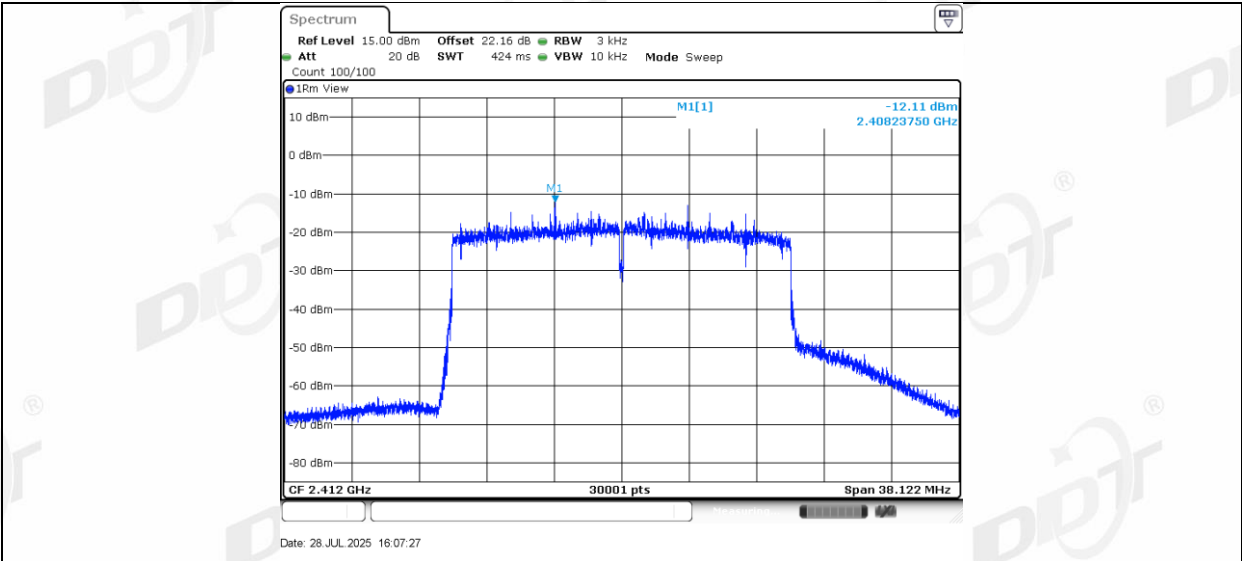
11N40MIMO\_Ant1\_2452



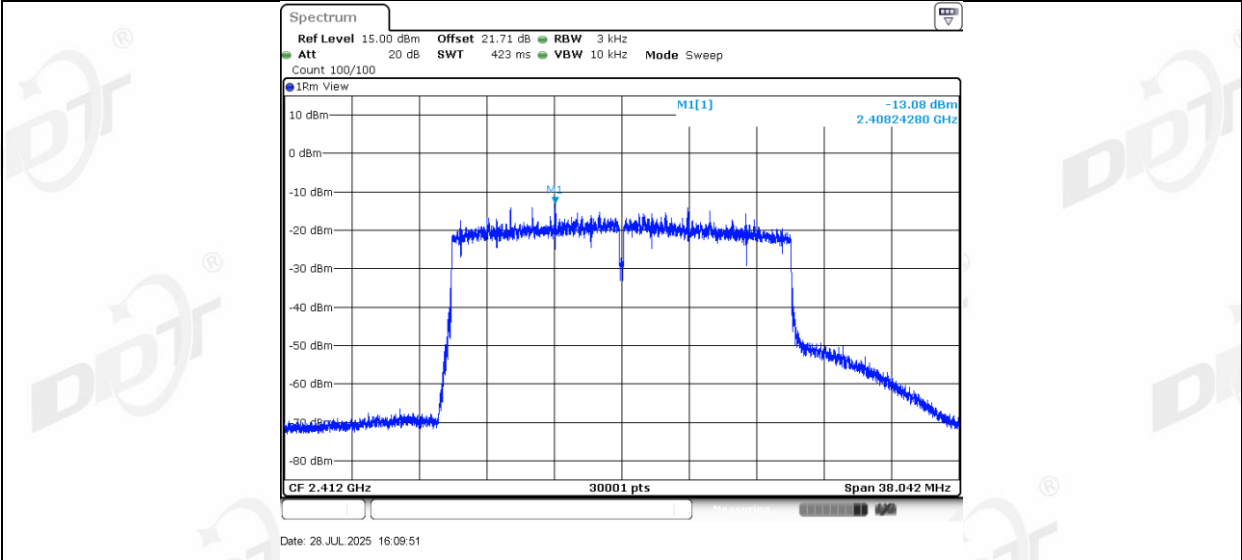
11N40MIMO\_Ant2\_2452



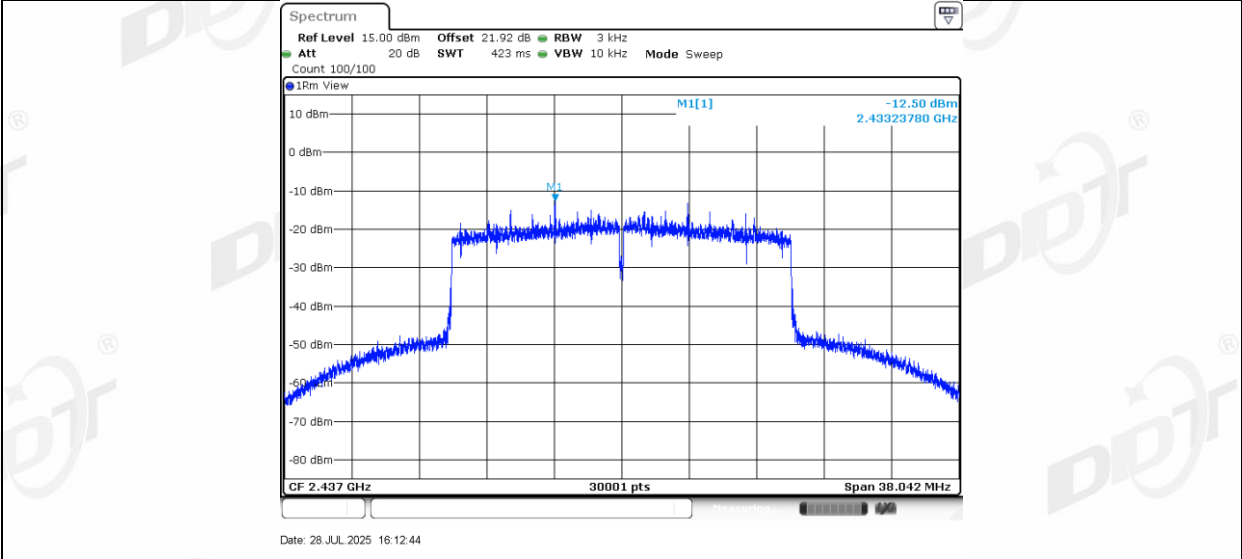
11AX20MIMO\_Ant1\_2412



11AX20MIMO\_Ant2\_2412



11AX20MIMO\_Ant1\_2437



11AX20MIMO\_Ant2\_2437