

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| <b>Case No. :</b> <u>GTS20220930008-1-7</u>                           |                                         |
| <b>Ambient Condition:</b> <u>24</u> °C, <u>50</u> %RH, Atmos100.1Kpa, |                                         |
| <b>Test Date:</b> <u>2022.10.12</u>                                   | <b>Test Engineer:</b> <u>Jenny zeng</u> |

## Appendix A.1: DTS Bandwidth

### Test Result

| TestMode  | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412           | 9.080        | 2407.480 | 2416.560 | 0.5        | PASS    |
|           |         | 2437           | 10.040       | 2432.000 | 2442.040 | 0.5        | PASS    |
|           |         | 2462           | 9.520        | 2457.040 | 2466.560 | 0.5        | PASS    |
| 11G       | Ant1    | 2412           | 16.320       | 2403.880 | 2420.200 | 0.5        | PASS    |
|           |         | 2437           | 16.440       | 2428.800 | 2445.240 | 0.5        | PASS    |
|           |         | 2462           | 16.360       | 2453.840 | 2470.200 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412           | 17.120       | 2403.440 | 2420.560 | 0.5        | PASS    |
|           |         | 2437           | 17.080       | 2428.480 | 2445.560 | 0.5        | PASS    |
|           |         | 2462           | 17.080       | 2453.480 | 2470.560 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422           | 35.360       | 2404.240 | 2439.600 | 0.5        | PASS    |
|           |         | 2437           | 35.600       | 2419.160 | 2454.760 | 0.5        | PASS    |
|           |         | 2452           | 35.120       | 2434.480 | 2469.600 | 0.5        | PASS    |

## Test Graphs

11B\_Ant1\_2412



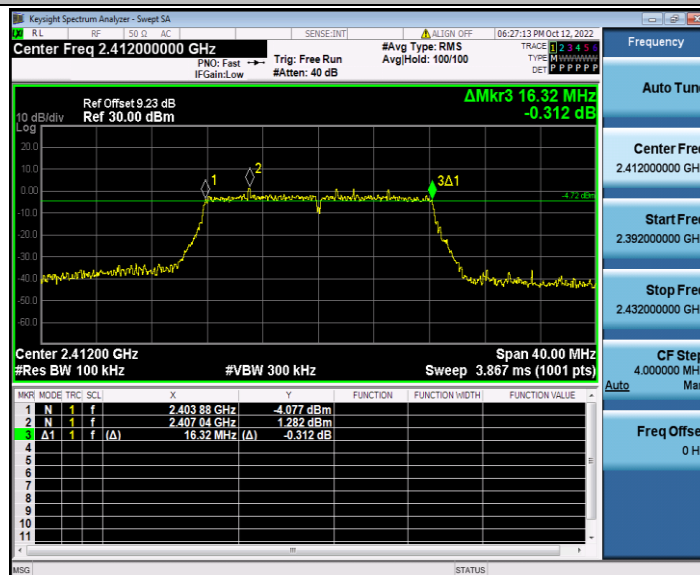
11B\_Ant1\_2437



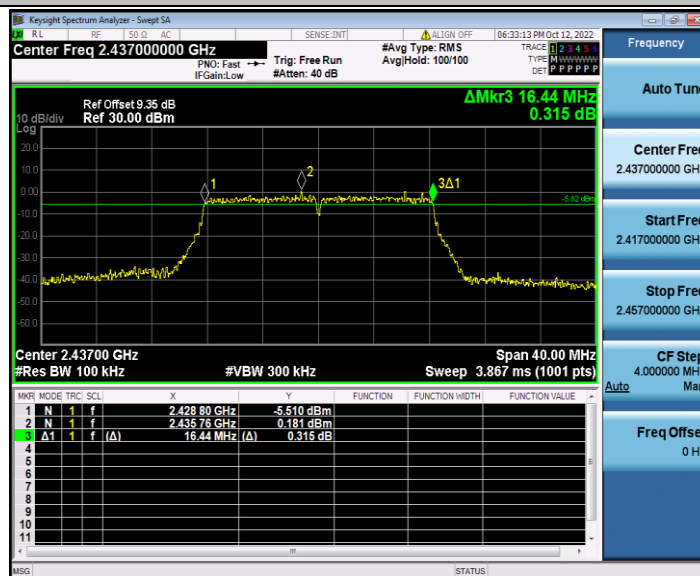
11B\_Ant1\_2462



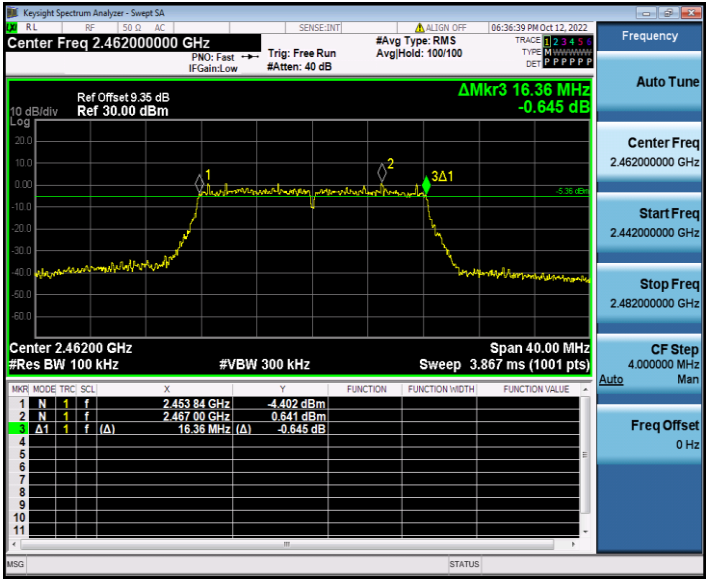
11G\_Ant1\_2412



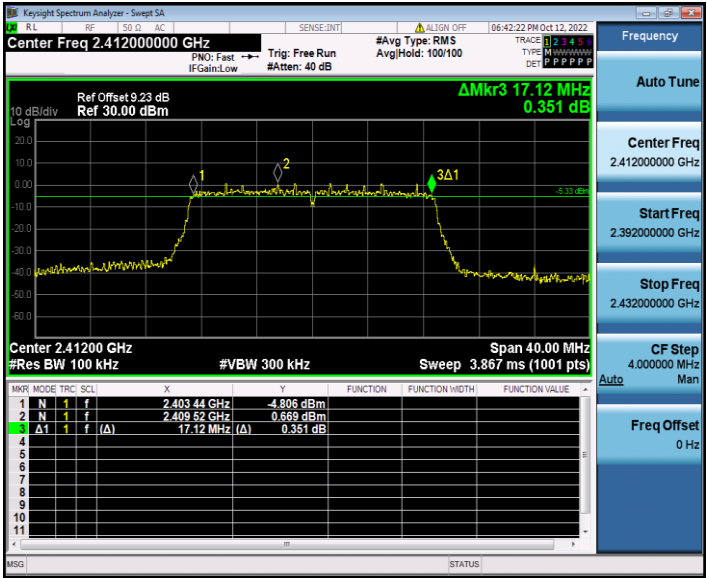
11G\_Ant1\_2437



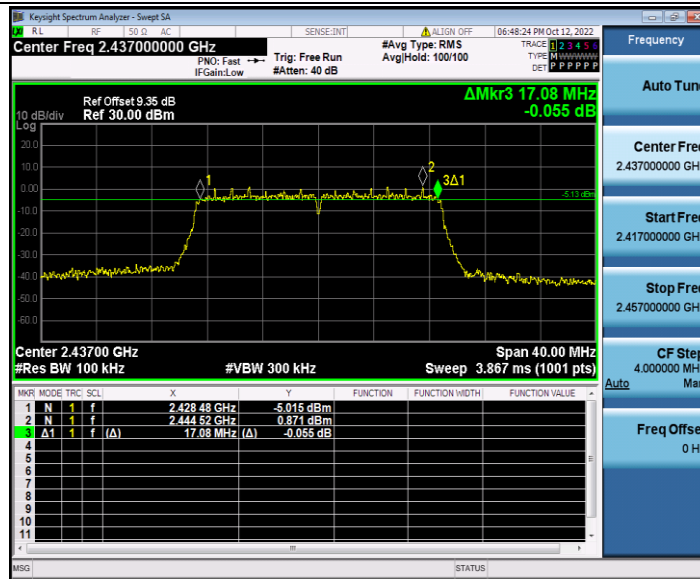
11G\_Ant1\_2462



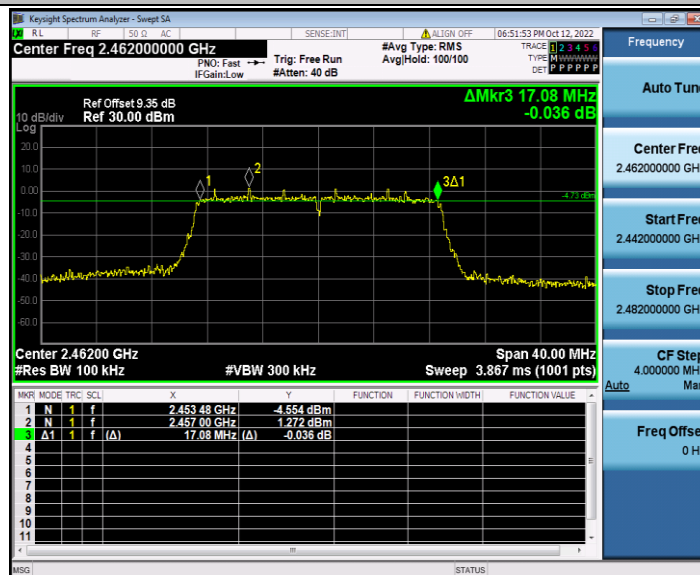
11N20SISO\_Ant1\_2412



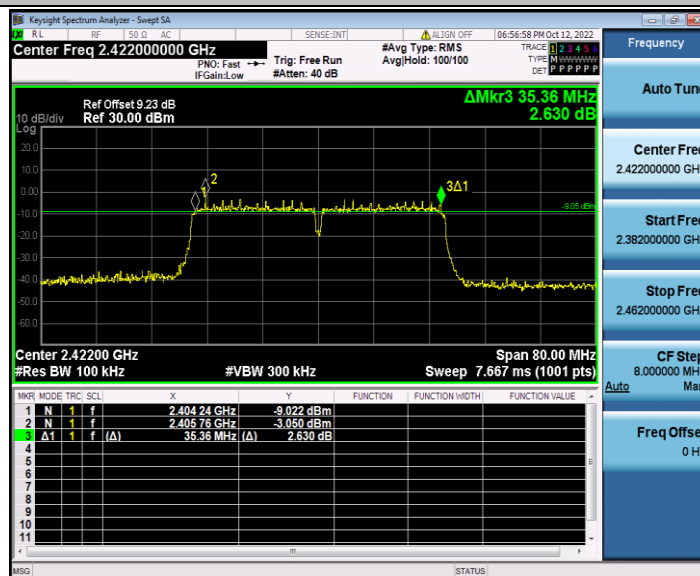
11N20SISO\_Ant1\_2437



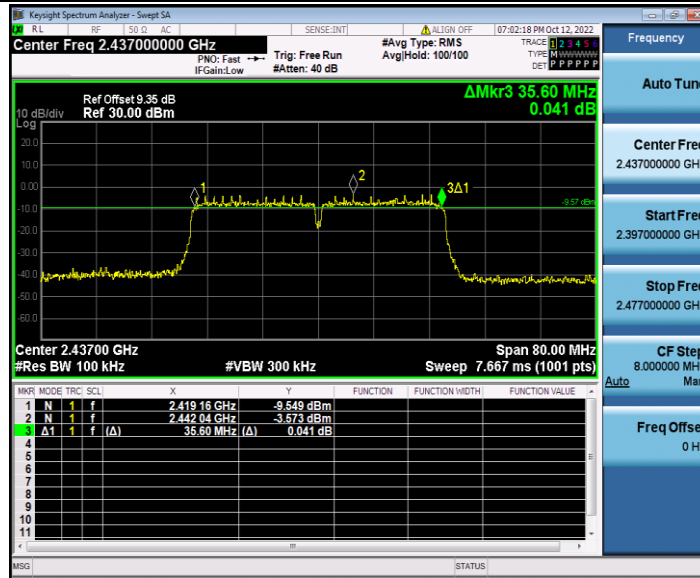
11N20SISO\_Ant1\_2462



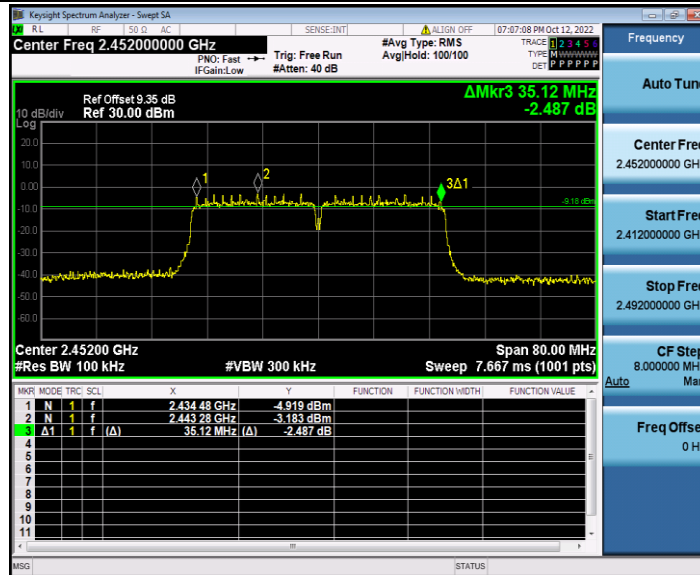
11N40SISO\_Ant1\_2422



# 11N40SISO\_Ant1\_2437



# 11N40SISO\_Ant1\_2452



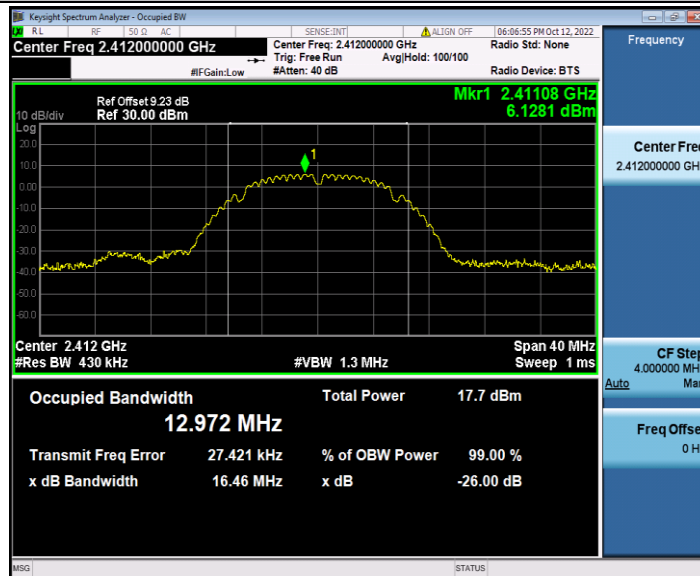
## Appendix A.2: Occupied Channel Bandwidth

### Test Result

| TestMode  | Antenna | Channel<br>Frequency[MHz] | OCB<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|---------------------------|--------------|----------|----------|------------|---------|
| 11B       | Ant1    | 2412                      | 12.972       | 2405.541 | 2418.513 | ---        | ---     |
|           |         | 2437                      | 12.961       | 2430.580 | 2443.541 | ---        | ---     |
|           |         | 2462                      | 12.961       | 2455.551 | 2468.512 | ---        | ---     |
| 11G       | Ant1    | 2412                      | 16.834       | 2403.591 | 2420.425 | ---        | ---     |
|           |         | 2437                      | 16.731       | 2428.690 | 2445.421 | ---        | ---     |
|           |         | 2462                      | 16.845       | 2453.563 | 2470.408 | ---        | ---     |
| 11N20SISO | Ant1    | 2412                      | 17.670       | 2403.174 | 2420.844 | ---        | ---     |
|           |         | 2437                      | 17.677       | 2428.210 | 2445.887 | ---        | ---     |
|           |         | 2462                      | 17.660       | 2453.183 | 2470.843 | ---        | ---     |
| 11N40SISO | Ant1    | 2422                      | 36.147       | 2403.952 | 2440.099 | ---        | ---     |
|           |         | 2437                      | 36.022       | 2419.014 | 2455.036 | ---        | ---     |
|           |         | 2452                      | 35.975       | 2434.024 | 2469.999 | ---        | ---     |

## Test Graphs

11B\_Ant1\_2412



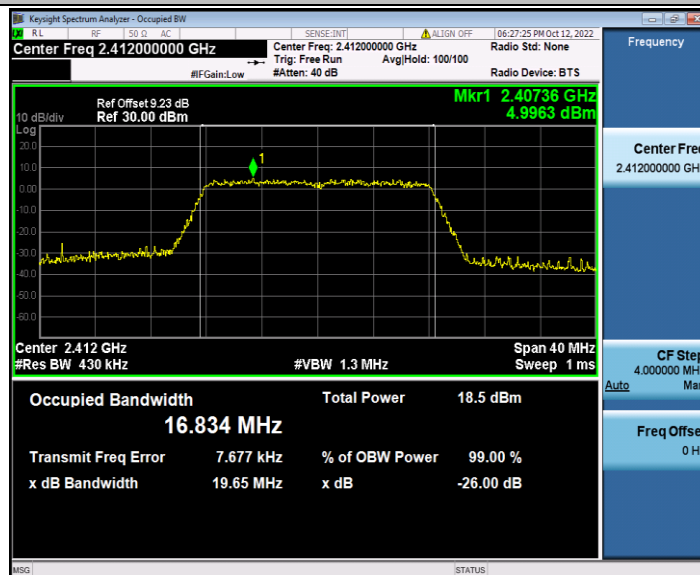
11B\_Ant1\_2437



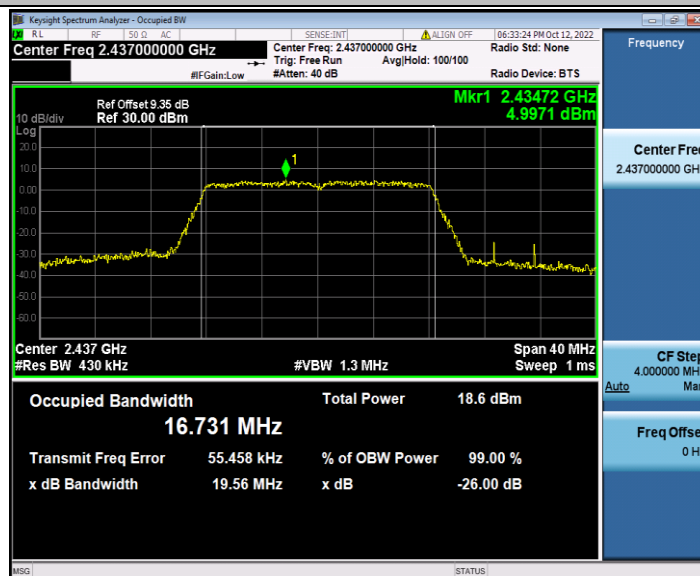
11B\_Ant1\_2462



11G\_Ant1\_2412



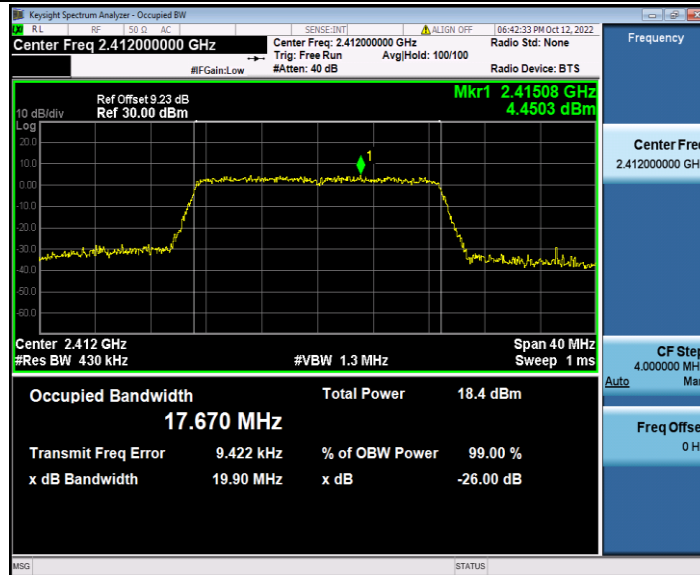
11G\_Ant1\_2437



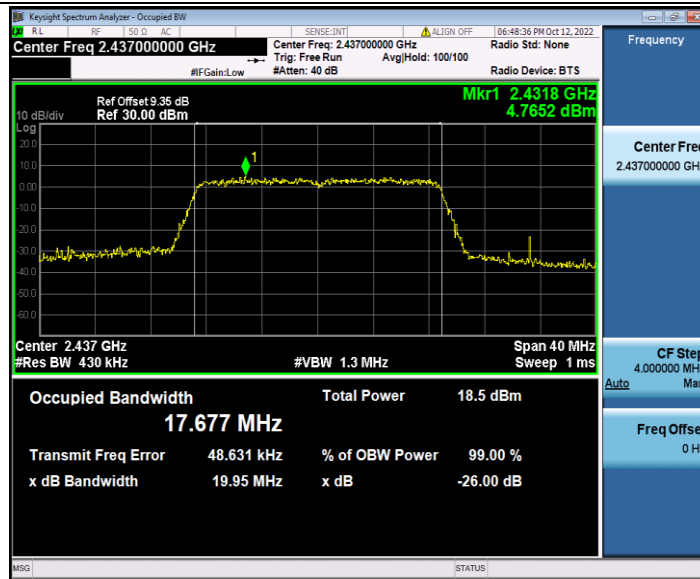
# 11G\_Ant1\_2462



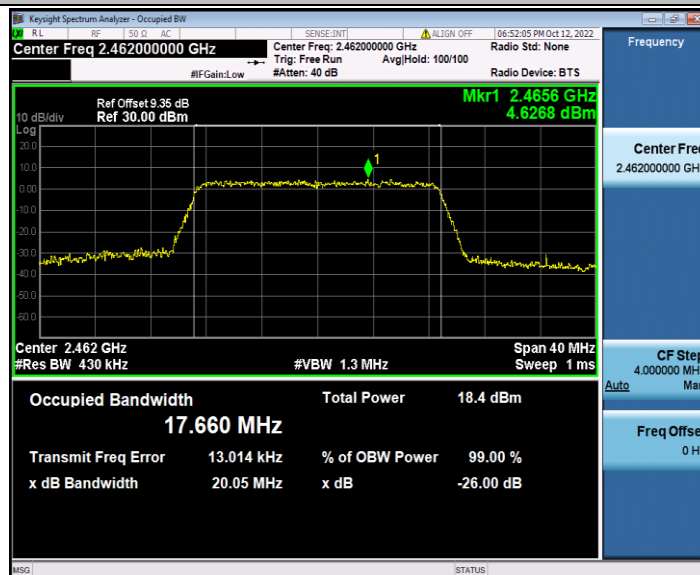
# 11N20SISO\_Ant1\_2412



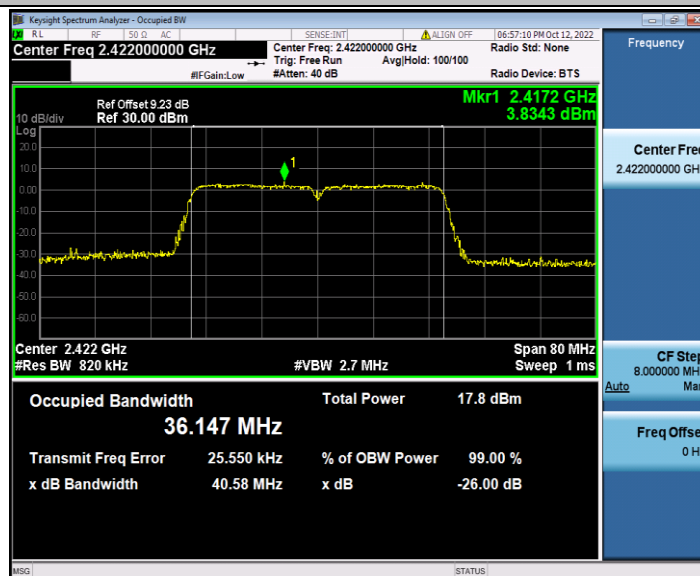
# 11N20SISO\_Ant1\_2437



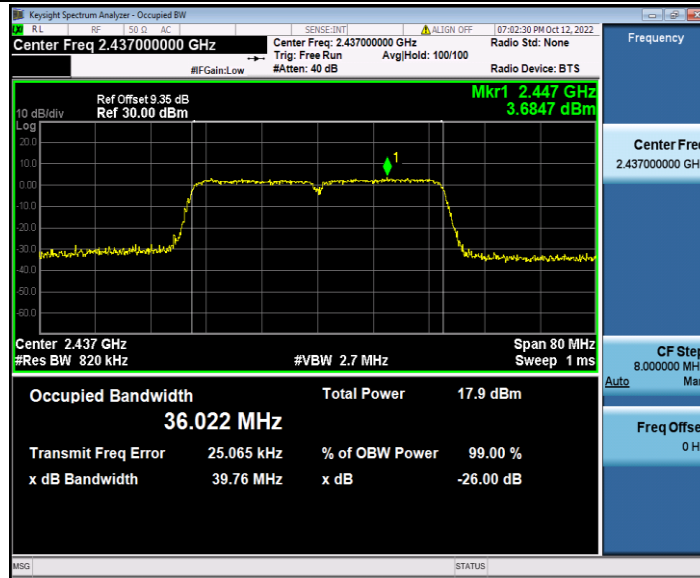
11N20SISO\_Ant1\_2462



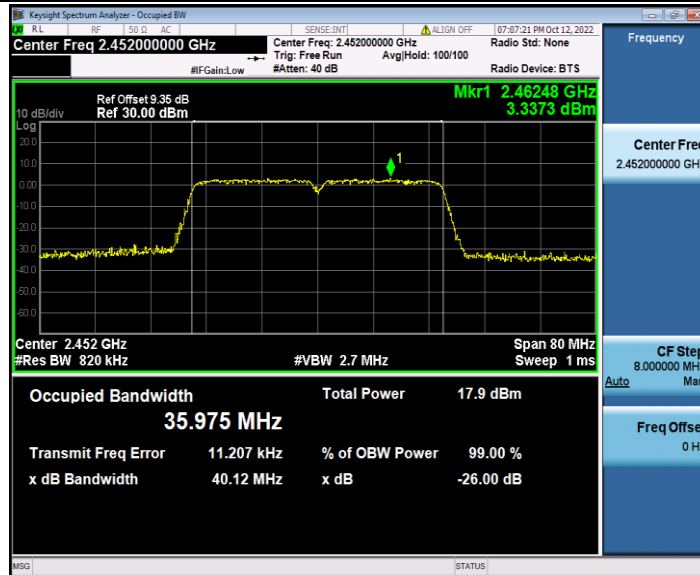
11N40SISO\_Ant1\_2422



# 11N40SISO\_Ant1\_2437



# 11N40SISO\_Ant1\_2452



## Appendix A.3: Maximum conducted output power

### Test Result Peak

| TestMode  | Antenna | Frequency[MHz] | Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------------|---------|
| 11B       | Ant1    | 2412           | 17.77           | ≤30.00               | PASS    |
|           |         | 2437           | 17.91           | ≤30.00               | PASS    |
|           |         | 2462           | 17.91           | ≤30.00               | PASS    |
| 11G       | Ant1    | 2412           | 19.64           | ≤30.00               | PASS    |
|           |         | 2437           | 19.74           | ≤30.00               | PASS    |
|           |         | 2462           | 19.71           | ≤30.00               | PASS    |
| 11N20SISO | Ant1    | 2412           | 19.63           | ≤30.00               | PASS    |
|           |         | 2437           | 19.63           | ≤30.00               | PASS    |
|           |         | 2462           | 19.56           | ≤30.00               | PASS    |
| 11N40SISO | Ant1    | 2422           | 19.13           | ≤30.00               | PASS    |
|           |         | 2437           | 19.38           | ≤30.00               | PASS    |
|           |         | 2452           | 19.41           | ≤30.00               | PASS    |

## Appendix A.4: Maximum power spectral density

### Test Result

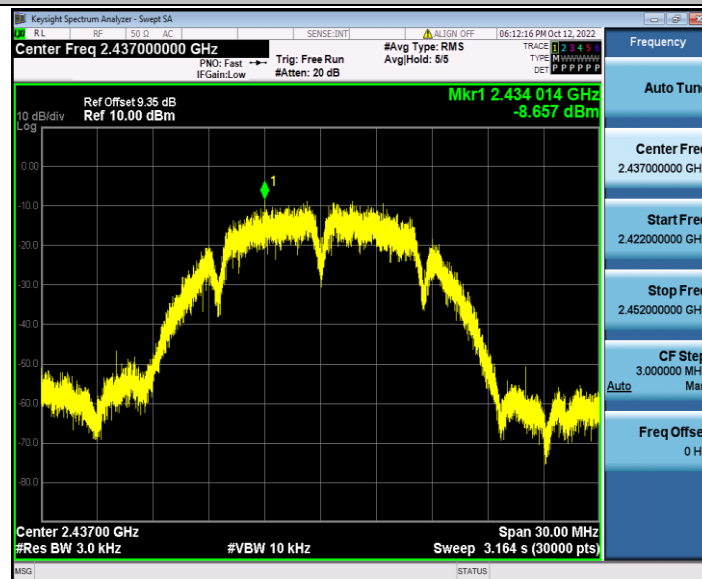
| TestMode  | Antenna | Frequency[MHz] | Result[dBm/3-100kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|----------------------|-----------------|---------|
| 11B       | Ant1    | 2412           | -8.39                | ≤8.00           | PASS    |
|           |         | 2437           | -8.66                | ≤8.00           | PASS    |
|           |         | 2462           | -8.04                | ≤8.00           | PASS    |
| 11G       | Ant1    | 2412           | -11.76               | ≤8.00           | PASS    |
|           |         | 2437           | -12.35               | ≤8.00           | PASS    |
|           |         | 2462           | -12.5                | ≤8.00           | PASS    |
| 11N20SISO | Ant1    | 2412           | -13.05               | ≤8.00           | PASS    |
|           |         | 2437           | -12.75               | ≤8.00           | PASS    |
|           |         | 2462           | -13.84               | ≤8.00           | PASS    |
| 11N40SISO | Ant1    | 2422           | -17.72               | ≤8.00           | PASS    |
|           |         | 2437           | -18.11               | ≤8.00           | PASS    |
|           |         | 2452           | -17.41               | ≤8.00           | PASS    |

## Test Graphs

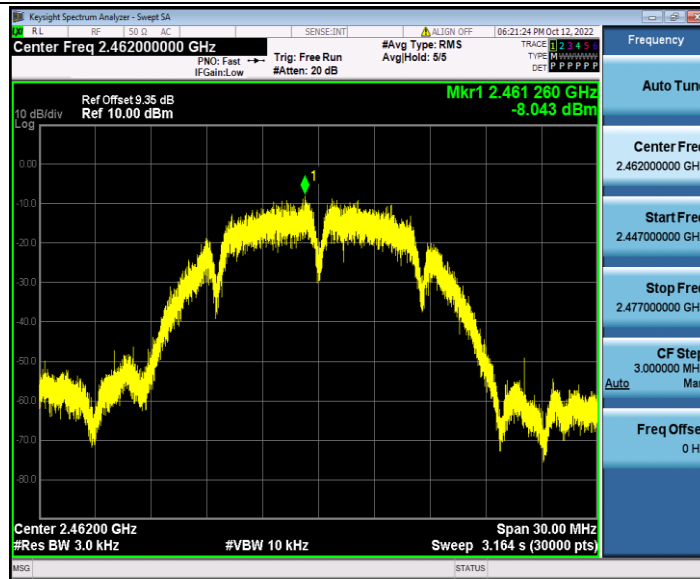
11B\_Ant1\_2412



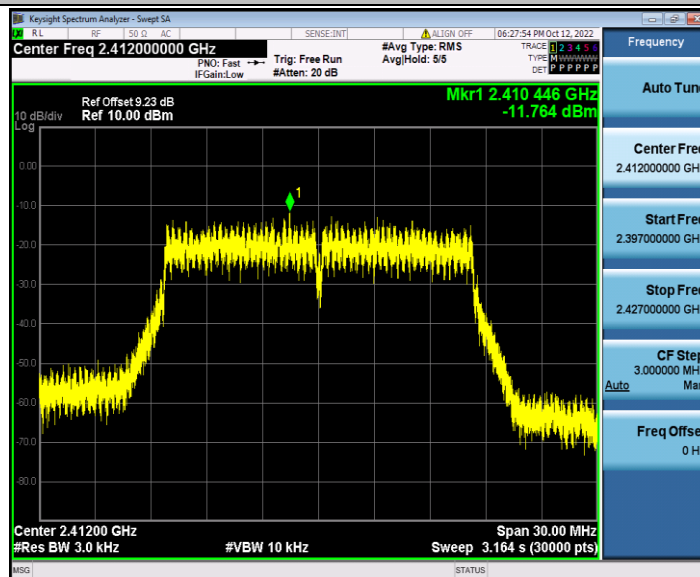
11B\_Ant1\_2437



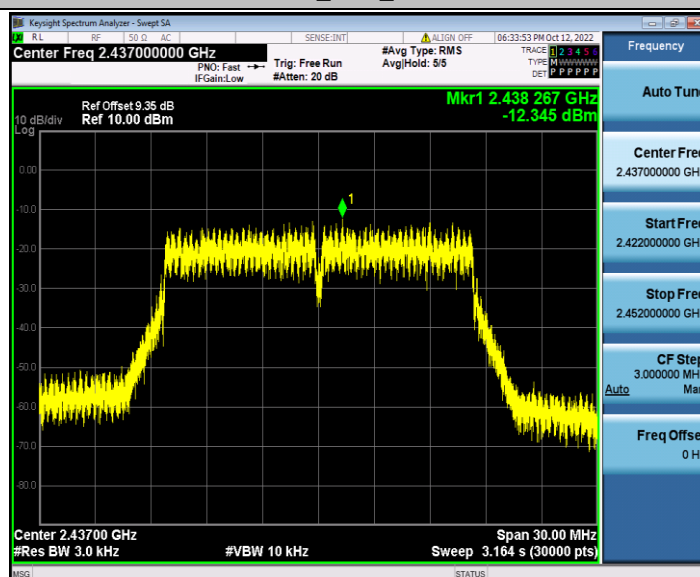
11B\_Ant1\_2462



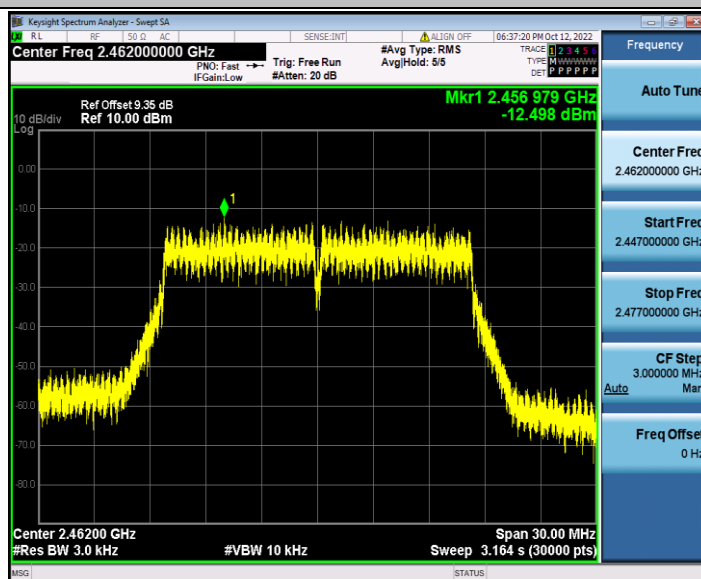
11G\_Ant1\_2412



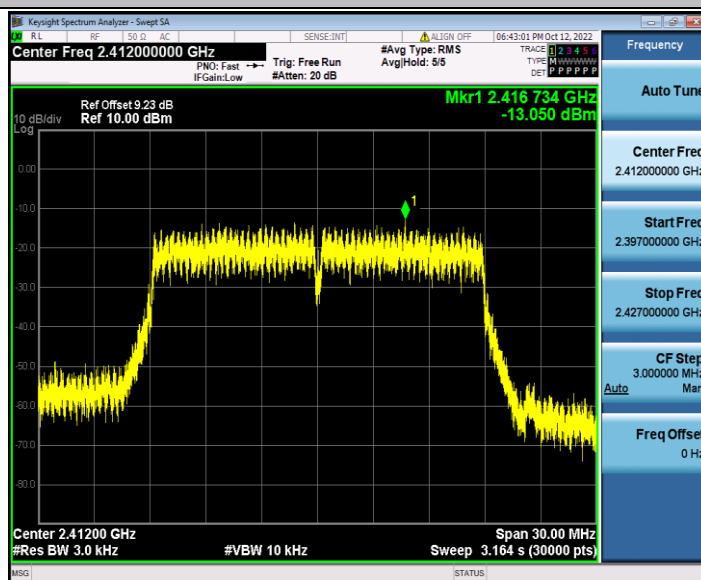
11G\_Ant1\_2437



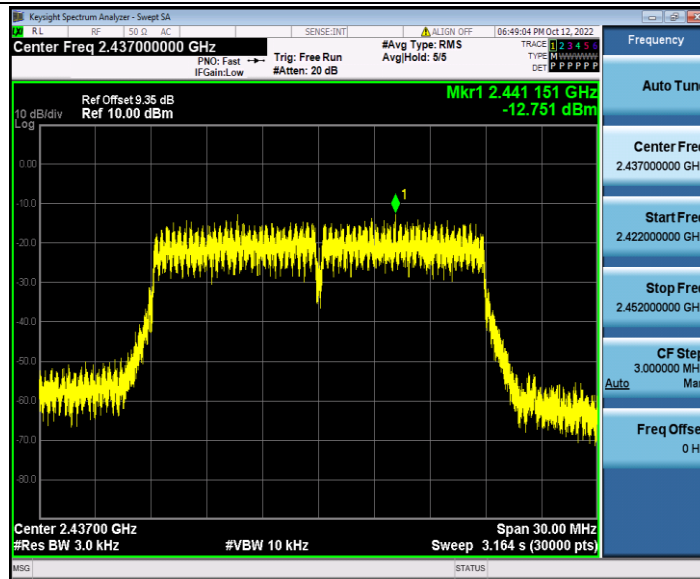
# 11G\_Ant1\_2462



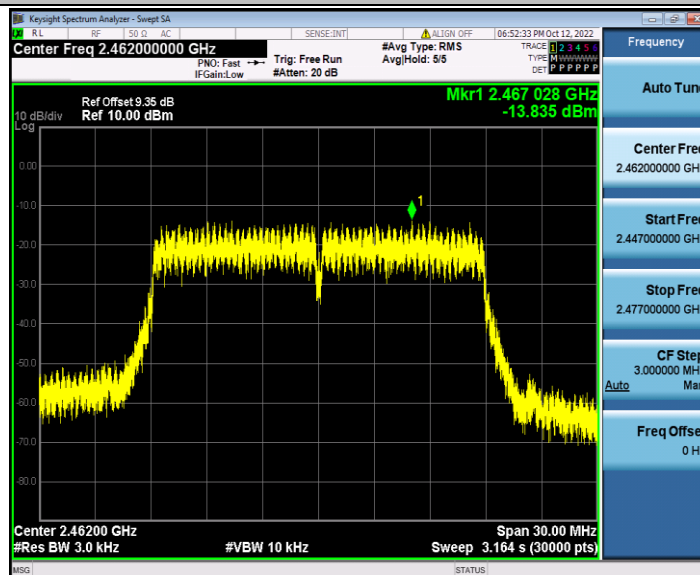
# 11N20SISO\_Ant1\_2412



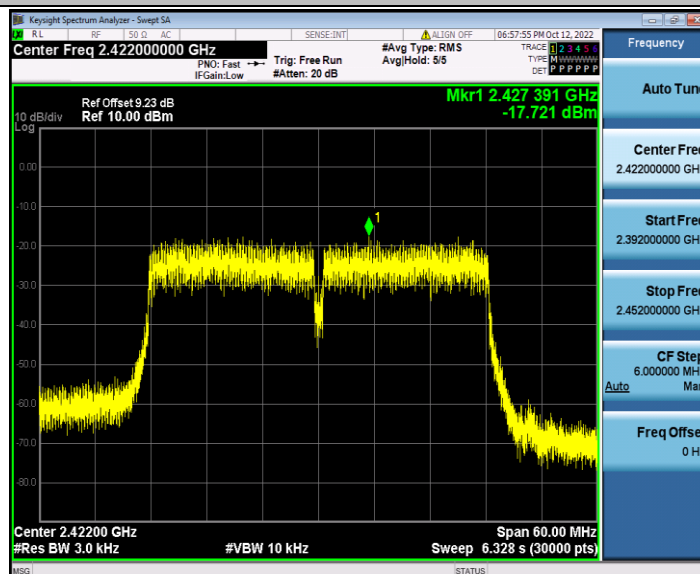
# 11N20SISO\_Ant1\_2437



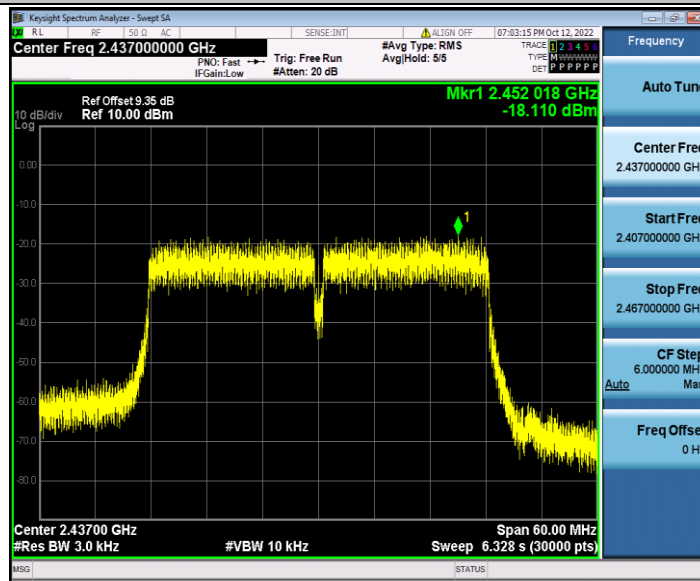
11N20SISO\_Ant1\_2462



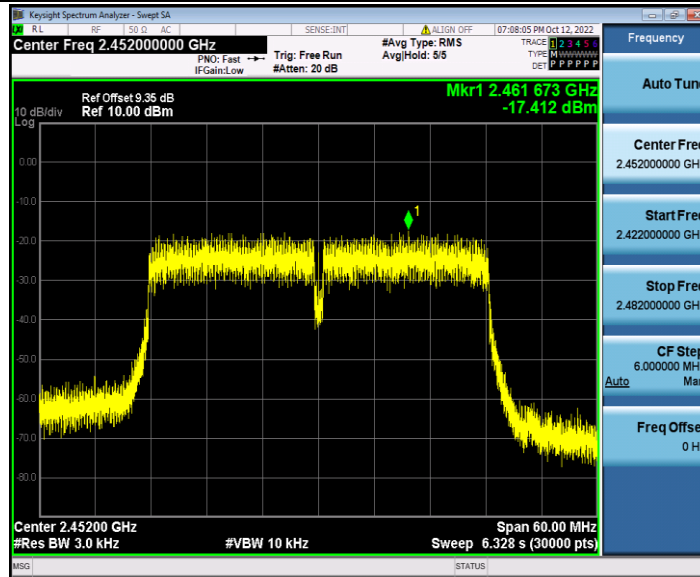
11N40SISO\_Ant1\_2422



# 11N40SISO\_Ant1\_2437



# 11N40SISO\_Ant1\_2452



## Appendix A.5: Band edge measurements

### Test Result

| TestMode  | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|----------------|---------------|-------------|------------|---------|
| 11B       | Ant1    | Low    | 2412           | 6.02          | -34.54      | ≤-13.98    | PASS    |
|           |         | High   | 2462           | 6.03          | -48.33      | ≤-13.97    | PASS    |
| 11G       | Ant1    | Low    | 2412           | 0.91          | -33.77      | ≤-19.09    | PASS    |
|           |         | High   | 2462           | 0.66          | -46.37      | ≤-19.34    | PASS    |
| 11N20SISO | Ant1    | Low    | 2412           | 0.97          | -33.59      | ≤-19.03    | PASS    |
|           |         | High   | 2462           | 1.27          | -46.65      | ≤-18.73    | PASS    |
| 11N40SISO | Ant1    | Low    | 2422           | -3.37         | -35.87      | ≤-23.37    | PASS    |
|           |         | High   | 2452           | -3.08         | -46.12      | ≤-23.08    | PASS    |