

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| <b>Case No. :</b> <u>GTS20221031017-1-12</u>                          |                                         |
| <b>Ambient Condition:</b> <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa, |                                         |
| <b>Test Date:</b> <u>2022.12.09</u>                                   | <b>Test Engineer:</b> <u>Jenny zeng</u> |

## Appendix C.1: Emission Bandwidth

### Test Result

| TestMode  | Antenna | Frequency[MHz] | 26db EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|-------------------|----------|----------|------------|---------|
| 11A       | Ant1    | 5260           | 21.400            | 5249.240 | 5270.640 | ---        | ---     |
|           |         | 5280           | 21.840            | 5268.920 | 5290.760 | ---        | ---     |
|           |         | 5320           | 21.480            | 5309.400 | 5330.880 | ---        | ---     |
| 11N20SISO | Ant1    | 5260           | 22.240            | 5248.760 | 5271.000 | ---        | ---     |
|           |         | 5280           | 22.320            | 5268.880 | 5291.200 | ---        | ---     |
|           |         | 5320           | 22.080            | 5309.160 | 5331.240 | ---        | ---     |
| 11N40SISO | Ant1    | 5270           | 42.480            | 5248.480 | 5290.960 | ---        | ---     |
|           |         | 5310           | 43.440            | 5288.240 | 5331.680 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5260



11A\_Ant1\_5280



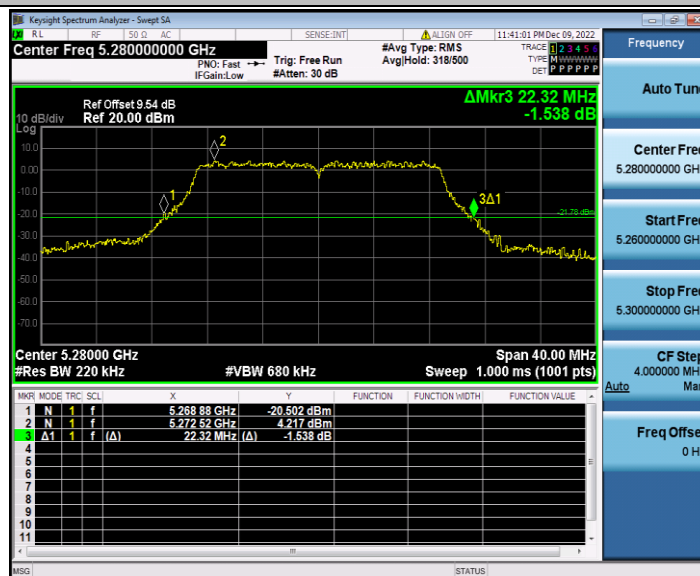
11A\_Ant1\_5320



11N20SISO\_Ant1\_5260



11N20SISO\_Ant1\_5280



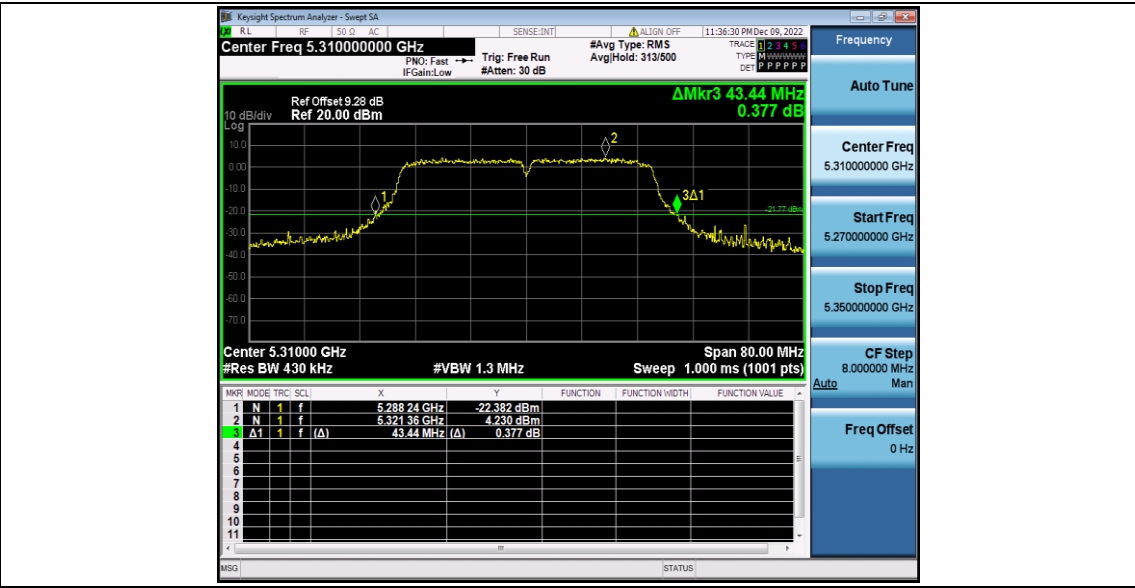
# 11N20SISO\_Ant1\_5320



# 11N40SISO\_Ant1\_5270



# 11N40SISO\_Ant1\_5310



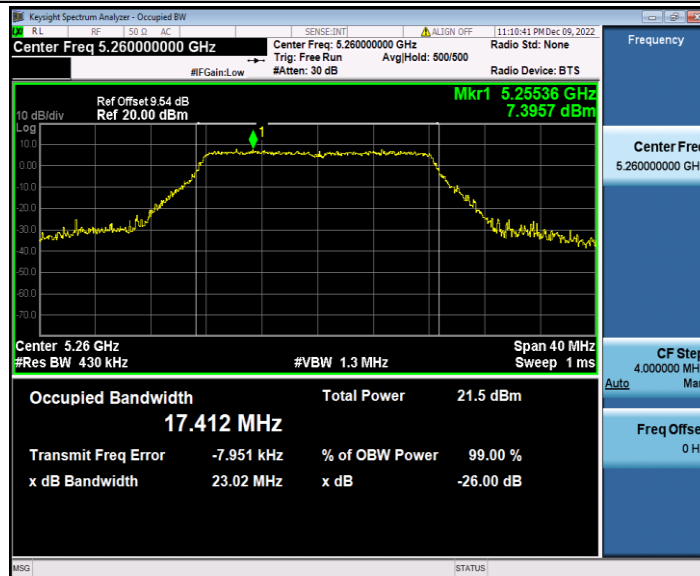
## Appendix C.2: Occupied channel bandwidth

### Test Result

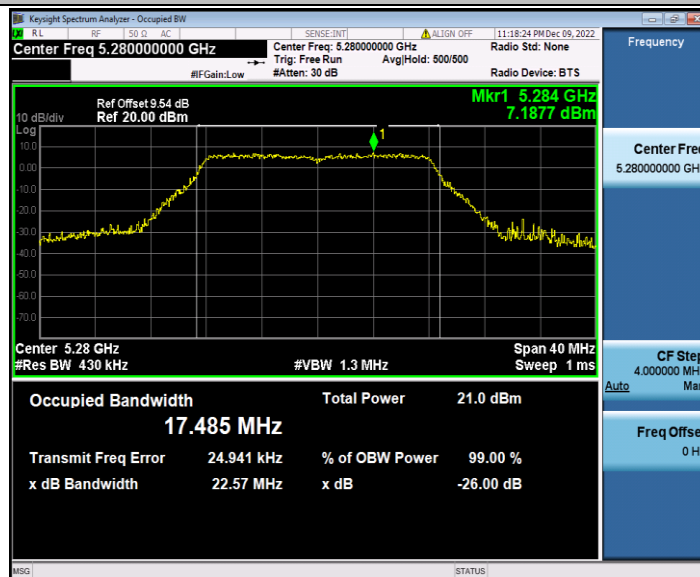
| TestMode  | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A       | Ant1    | 5260           | 17.412    | 5251.286 | 5268.698 | ---        | ---     |
|           |         | 5280           | 17.485    | 5271.282 | 5288.767 | ---        | ---     |
|           |         | 5320           | 17.407    | 5311.337 | 5328.744 | ---        | ---     |
| 11N20SISO | Ant1    | 5260           | 18.365    | 5250.809 | 5269.174 | ---        | ---     |
|           |         | 5280           | 18.408    | 5270.831 | 5289.239 | ---        | ---     |
|           |         | 5320           | 18.377    | 5310.875 | 5329.252 | ---        | ---     |
| 11N40SISO | Ant1    | 5270           | 36.601    | 5251.693 | 5288.294 | ---        | ---     |
|           |         | 5310           | 36.611    | 5291.796 | 5328.407 | ---        | ---     |

## Test Graphs

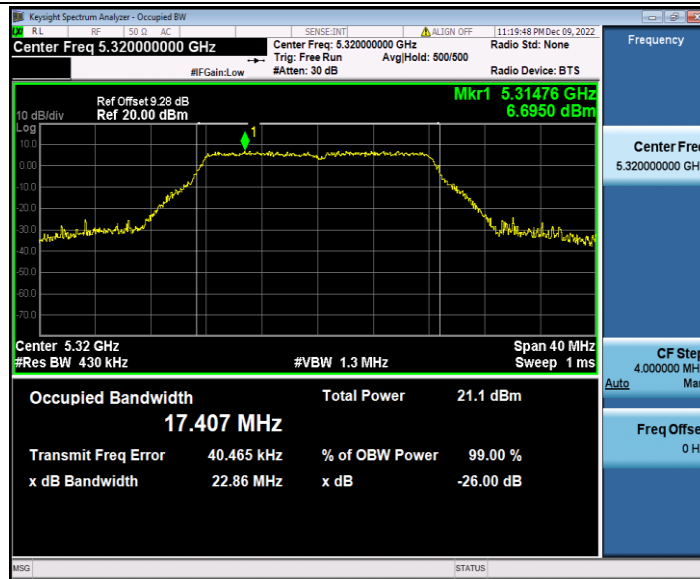
11A\_Ant1\_5260



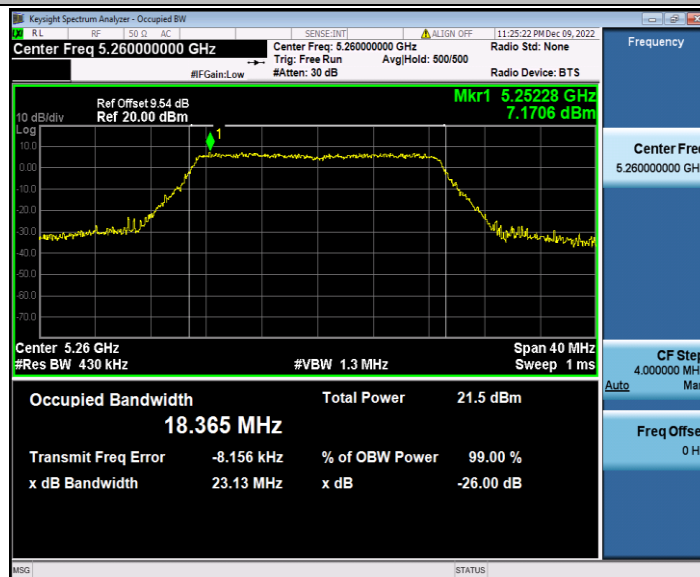
11A\_Ant1\_5280



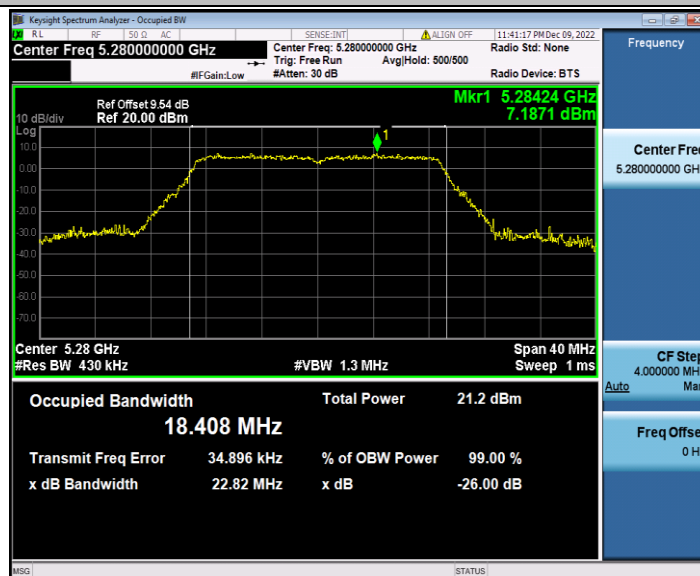
11A\_Ant1\_5320



11N20SISO\_Ant1\_5260

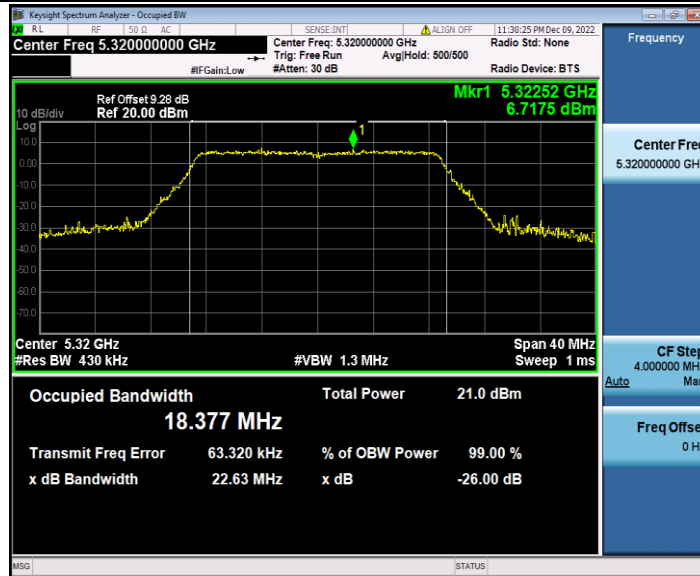


11N20SISO\_Ant1\_5280

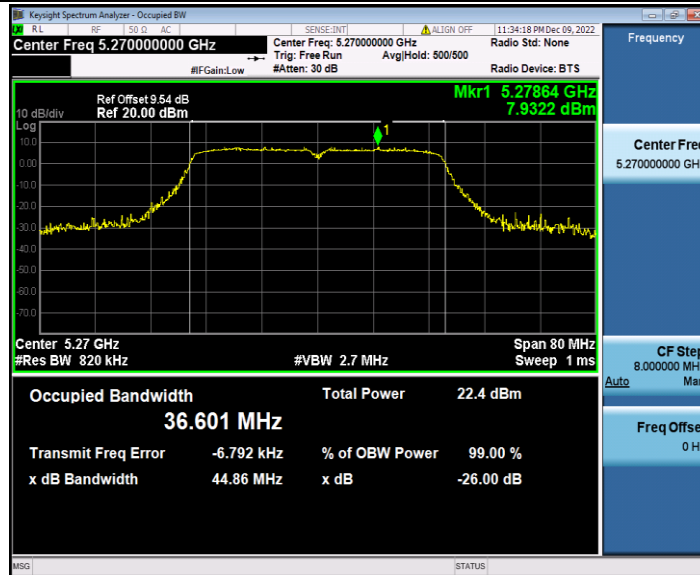




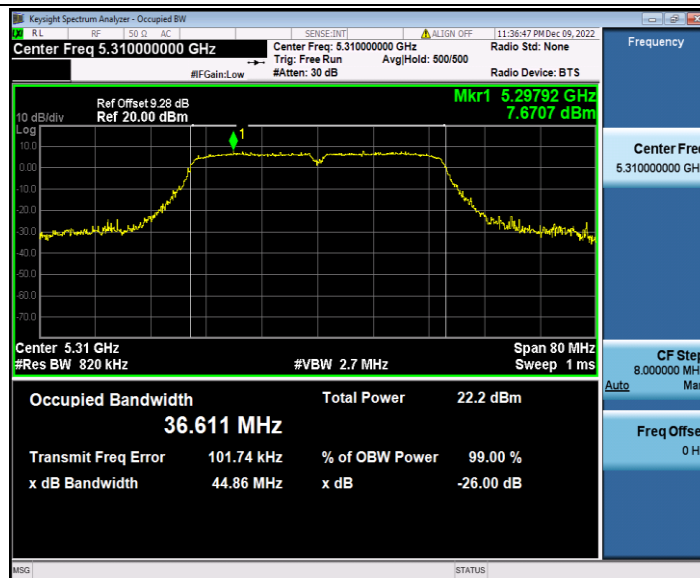
# 11N20SISO\_Ant1\_5320



# 11N40SISO\_Ant1\_5270



# 11N40SISO\_Ant1\_5310



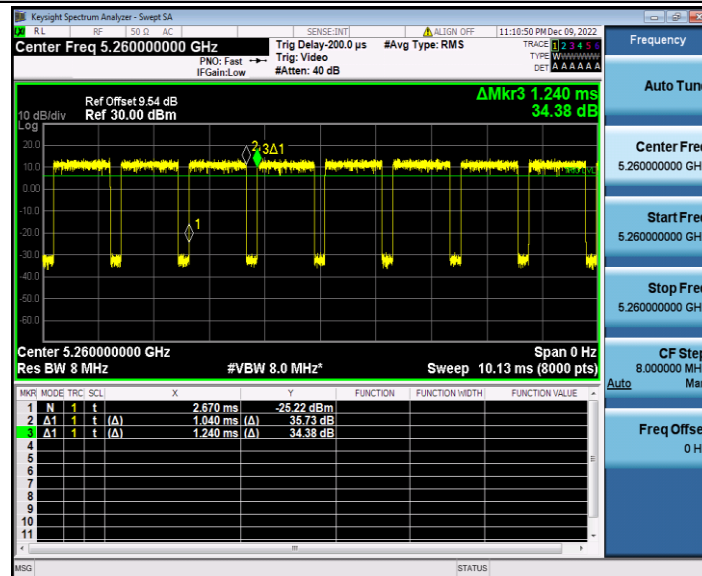
## Appendix C.3: Duty Cycle

### Test Result

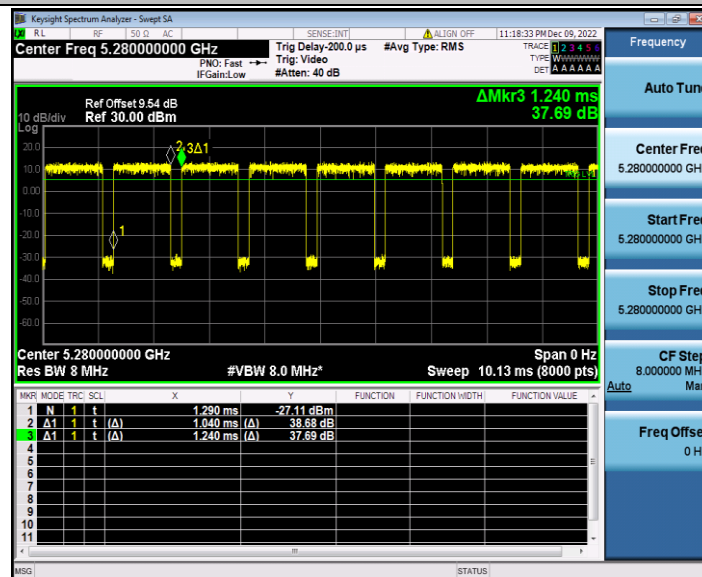
| TestMode  | Antenna | Frequency[MHz] | Transmission<br>Duration [ms] | Transmission<br>Period [ms] | Duty Cycle<br>[%] |
|-----------|---------|----------------|-------------------------------|-----------------------------|-------------------|
| 11A       | Ant1    | 5260           | 1.04                          | 1.24                        | 83.87             |
|           |         | 5280           | 1.04                          | 1.24                        | 83.87             |
|           |         | 5320           | 1.04                          | 1.24                        | 83.87             |
| 11N20SISO | Ant1    | 5260           | 0.98                          | 1.17                        | 83.76             |
|           |         | 5280           | 30.00                         | 30.00                       | 100.00            |
|           |         | 5320           | 0.98                          | 1.18                        | 83.05             |
| 11N40SISO | Ant1    | 5270           | 0.48                          | 0.68                        | 70.59             |
|           |         | 5310           | 0.49                          | 0.69                        | 71.01             |

## Test Graphs

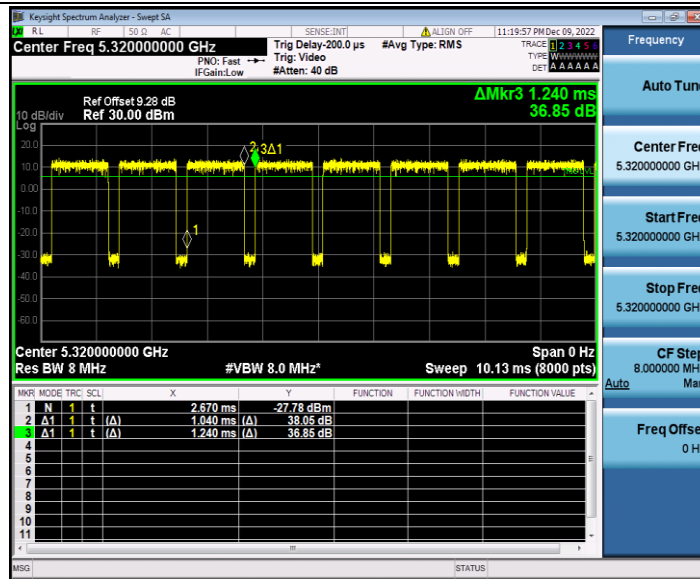
11A\_Ant1\_5260



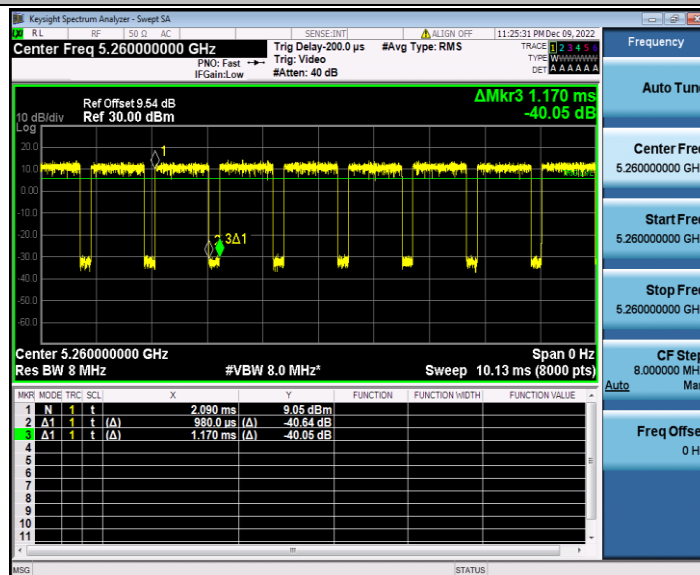
11A\_Ant1\_5280



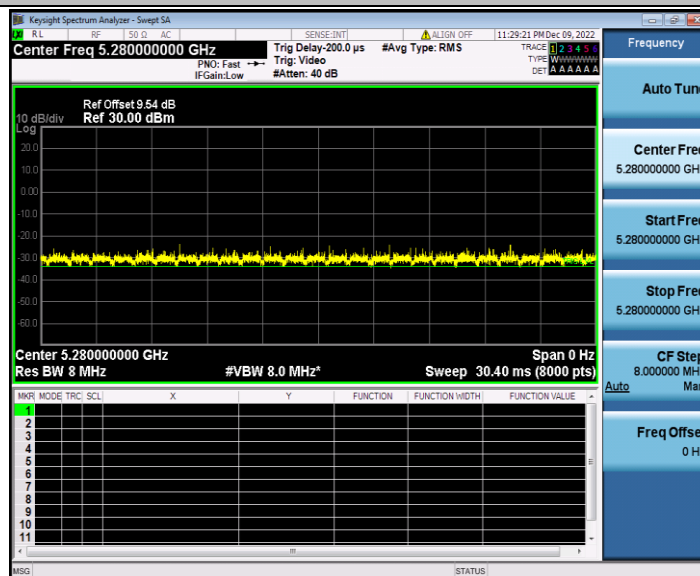
11A\_Ant1\_5320



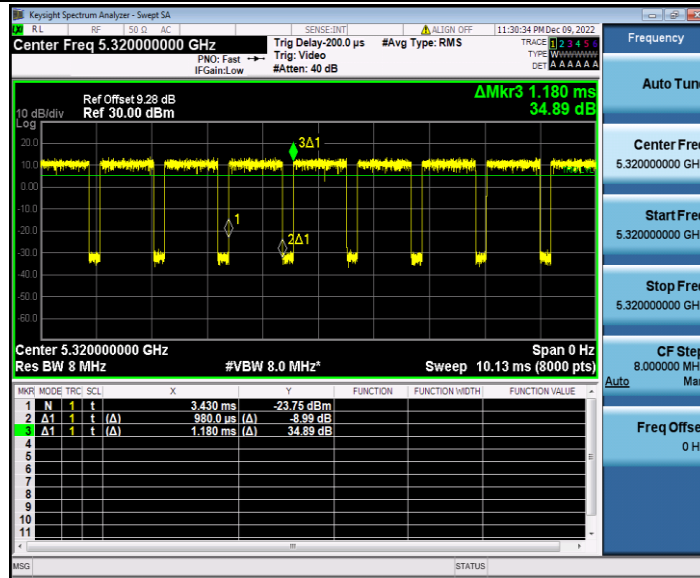
11N20SISO\_Ant1\_5260



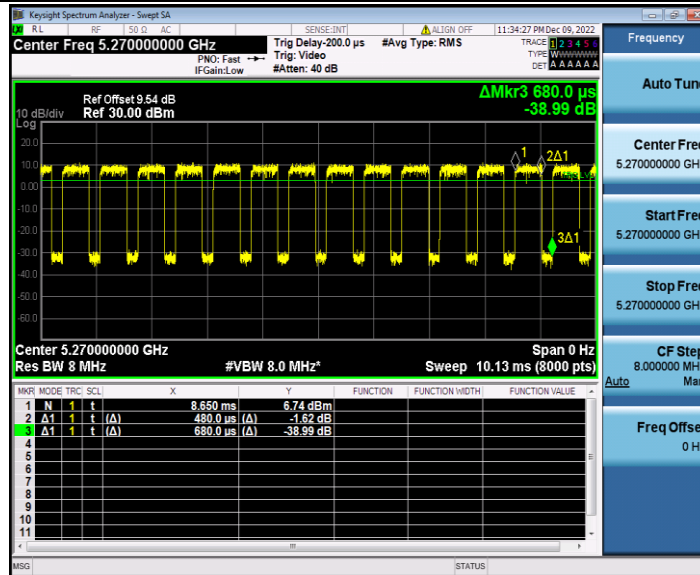
11N20SISO\_Ant1\_5280



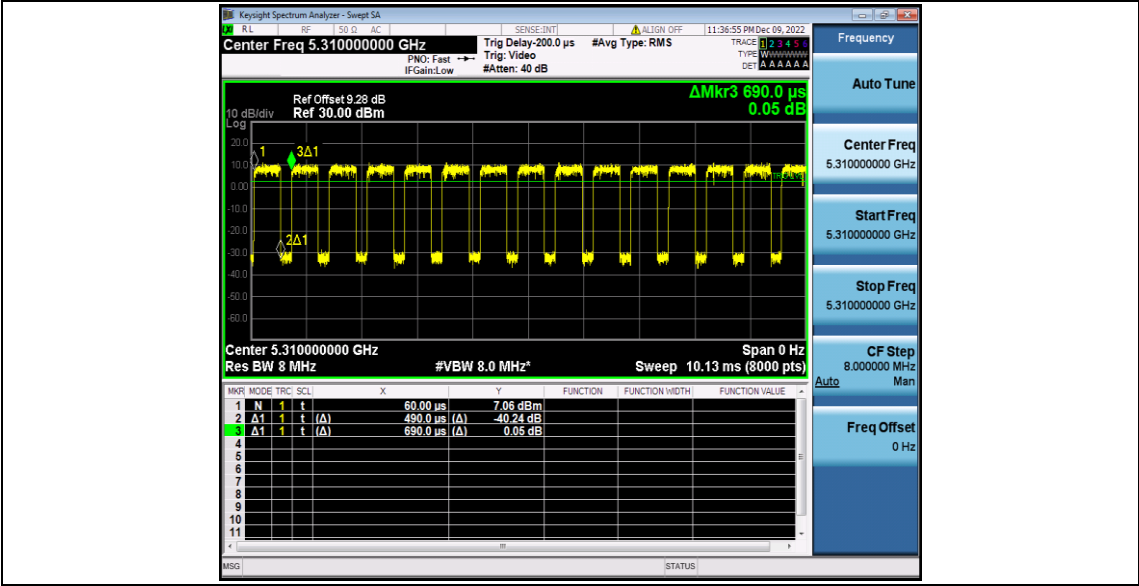
# 11N20SISO\_Ant1\_5320



# 11N40SISO\_Ant1\_5270



# 11N40SISO\_Ant1\_5310



## Appendix C.4: Maximum conducted output power

### Test Result Channel Power

| Test Mode | Antenna | Frequency[MHz] | Channel Powert [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|----------------------|----------------|-----------------|--------------|-------------|---------|
| 11A       | Ant1    | 5260           | 10.85                | 83.87          | 0.76            | 11.61        | ≤23.98      | PASS    |
|           |         | 5280           | 10.44                | 83.87          | 0.76            | 11.20        | ≤23.98      | PASS    |
|           |         | 5320           | 10.12                | 83.87          | 0.76            | 10.88        | ≤23.98      | PASS    |
| 11N20SISO | Ant1    | 5260           | 9.95                 | 83.76          | 0.77            | 10.72        | ≤23.98      | PASS    |
|           |         | 5280           | 9.22                 | 100.00         | 0.00            | 9.22         | ≤23.98      | PASS    |
|           |         | 5320           | 9.49                 | 83.05          | 0.81            | 10.30        | ≤23.98      | PASS    |
| 11N40SISO | Ant1    | 5270           | 8.82                 | 70.59          | 1.51            | 10.33        | ≤23.98      | PASS    |
|           |         | 5310           | 10.02                | 71.01          | 1.49            | 11.51        | ≤23.98      | PASS    |

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



## Appendix C.5: Maximum power spectral density

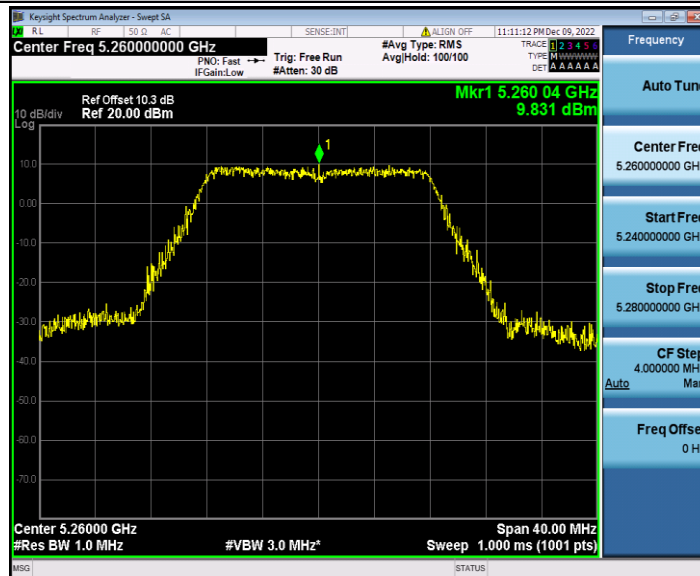
### Test Result

| TestMode  | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|-----------|---------|----------------|------------------|----------------|---------|
| 11A       | Ant1    | 5260           | 9.83             | ≤11.00         | PASS    |
|           |         | 5280           | 9.48             | ≤11.00         | PASS    |
|           |         | 5320           | 9.61             | ≤11.00         | PASS    |
| 11N20SISO | Ant1    | 5260           | 10.32            | ≤11.00         | PASS    |
|           |         | 5280           | 8.94             | ≤11.00         | PASS    |
|           |         | 5320           | 8.85             | ≤11.00         | PASS    |
| 11N40SISO | Ant1    | 5270           | 7.71             | ≤11.00         | PASS    |
|           |         | 5310           | 8.38             | ≤11.00         | PASS    |

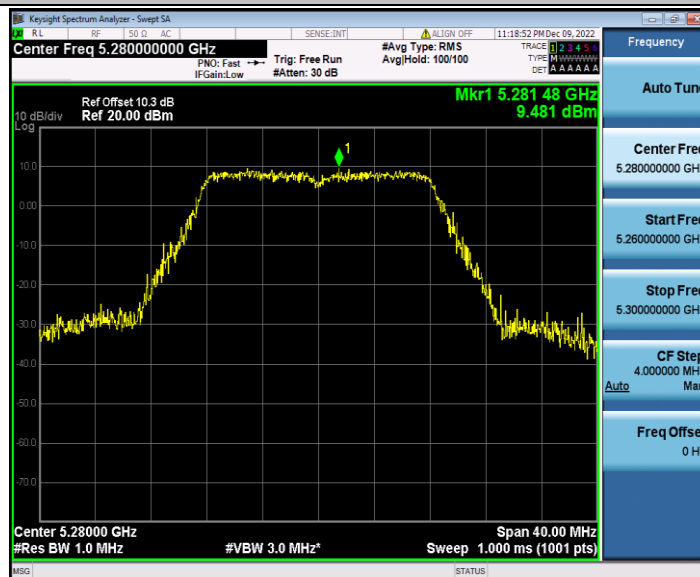
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

## Test Graphs

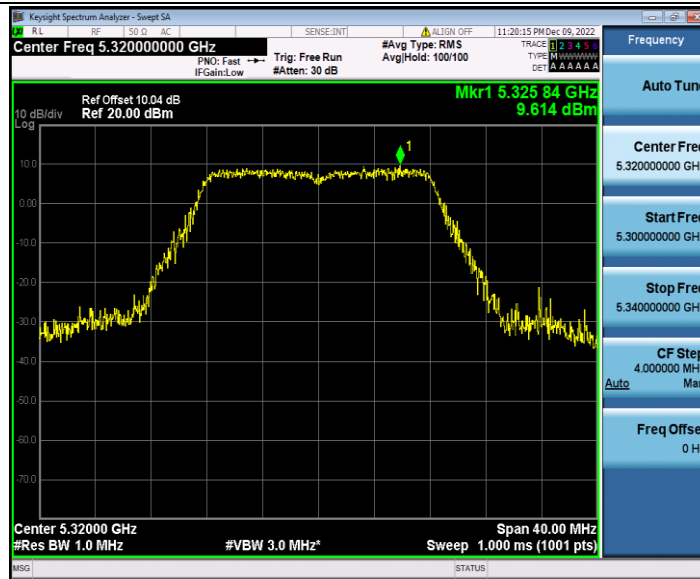
11A\_Ant1\_5260



11A\_Ant1\_5280



11A\_Ant1\_5320



11N20SISO\_Ant1\_5260



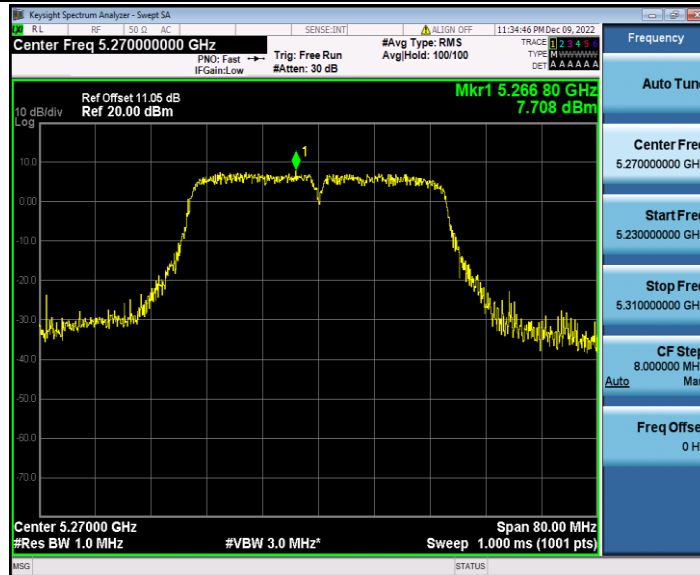
11N20SISO\_Ant1\_5280



# 11N20SISO\_Ant1\_5320



# 11N40SISO\_Ant1\_5270



# 11N40SISO\_Ant1\_5310



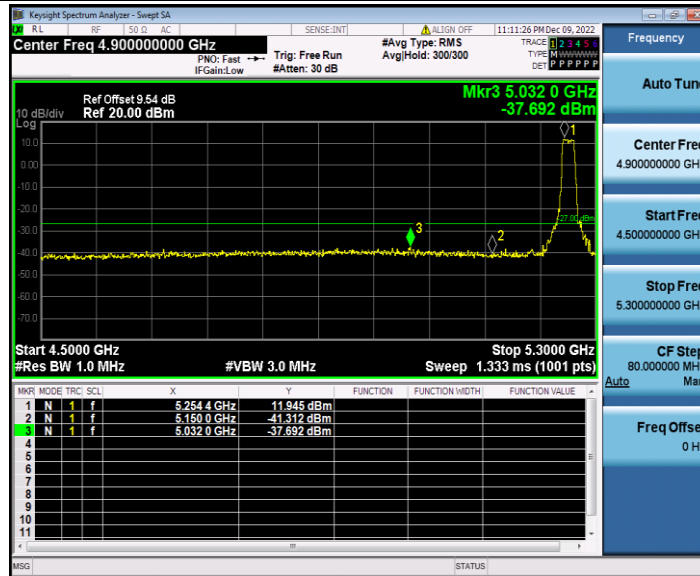
## Appendix C.6: Band edge measurements

### Test Result B2

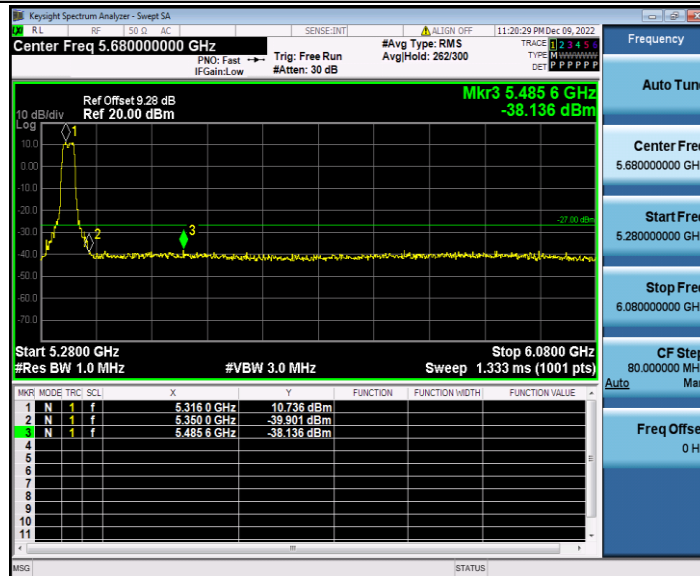
| TestMode  | Antenna | ChName | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|----------------|-------------|------------|---------|
| 11A       | Ant1    | Low    | 5260           | -37.69      | ≤-27       | PASS    |
|           |         | High   | 5320           | -38.14      | ≤-27       | PASS    |
| 11N20SISO | Ant1    | Low    | 5260           | -38.15      | ≤-27       | PASS    |
|           |         | High   | 5320           | -36.68      | ≤-27       | PASS    |
| 11N40SISO | Ant1    | Low    | 5270           | -37.12      | ≤-27       | PASS    |
|           |         | High   | 5310           | -29.95      | ≤-27       | PASS    |

## Test Graphs B1/2/3

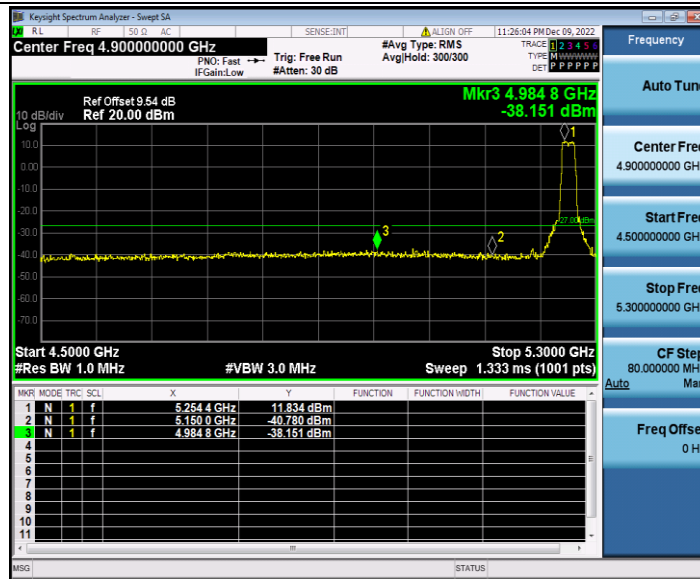
11A\_Ant1\_Low\_5260



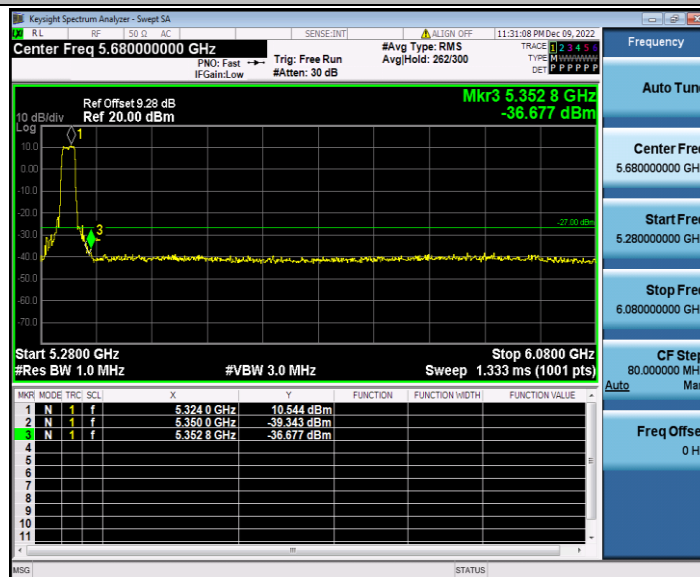
11A\_Ant1\_High\_5320



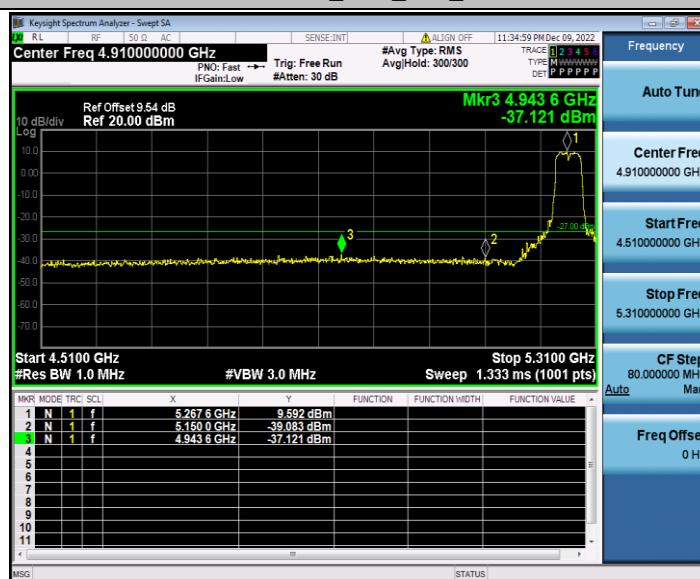
11N20SISO\_Ant1\_Low\_5260



11N20SISO\_Ant1\_High\_5320

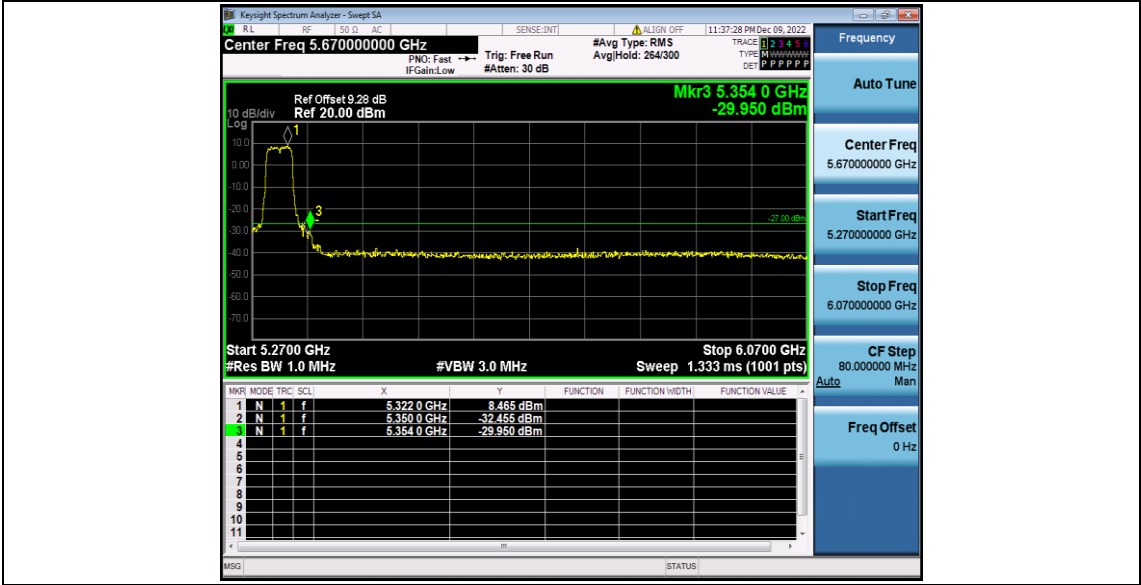


11N40SISO\_Ant1\_Low\_5270





|                          |
|--------------------------|
| 11N40SISO_Ant1_High_5310 |
|--------------------------|



## Appendix C.7: Conducted Spurious Emission

### Test Result

| TestMode  | Antenna | Frequency[MHz] | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------------|-----------------|----------------|------------------|-------------|---------|
| 11A       | Ant1    | 5260           | 30~5140         | 5086           | -46.96           | ≤-27        | PASS    |
|           |         |                | 5360~40000      | 24142.8        | -38.51           | ≤-27        | PASS    |
|           |         | 5280           | 30~5140         | 1746.79        | -40.27           | ≤-27        | PASS    |
|           |         |                | 5360~40000      | 26059.38       | -38.27           | ≤-27        | PASS    |
|           |         | 5320           | 30~5140         | 4925.21        | -47.39           | ≤-27        | PASS    |
|           |         |                | 5360~40000      | 25004.79       | -37.52           | ≤-27        | PASS    |
| 11N20SISO | Ant1    | 5260           | 30~5140         | 4988.91        | -46.52           | ≤-27        | PASS    |
|           |         |                | 5360~40000      | 24230.08       | -37.17           | ≤-27        | PASS    |
|           |         | 5280           | 30~5140         | 4973.75        | -47.03           | ≤-27        | PASS    |
|           |         |                | 5360~40000      | 26094.01       | -38.13           | ≤-27        | PASS    |
|           |         | 5320           | 30~5140         | 5017.19        | -47.56           | ≤-27        | PASS    |
|           |         |                | 5360~40000      | 23558.52       | -38.3            | ≤-27        | PASS    |
| 11N40SISO | Ant1    | 5270           | 30~5140         | 2554           | -46.9            | ≤-27        | PASS    |
|           |         |                | 5360~40000      | 25250.05       | -38.21           | ≤-27        | PASS    |
|           |         | 5310           | 30~5140         | 3167.03        | -46.19           | ≤-27        | PASS    |
|           |         |                | 5360~40000      | 5360           | -37.1            | ≤-27        | PASS    |

## Test Graphs

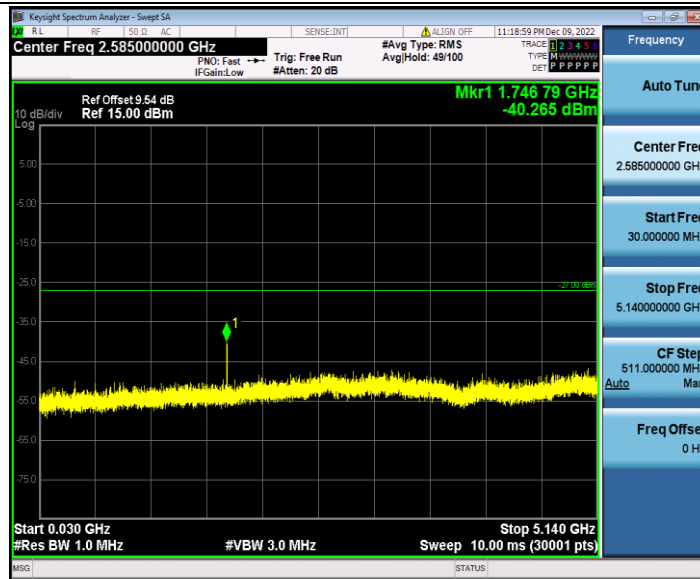
11A\_Ant1\_5260\_30~5140



11A\_Ant1\_5260\_5360~40000



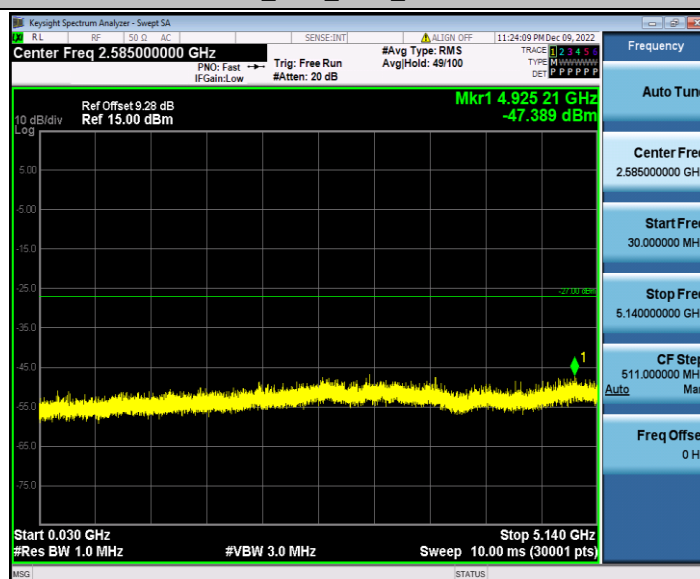
11A\_Ant1\_5280\_30~5140



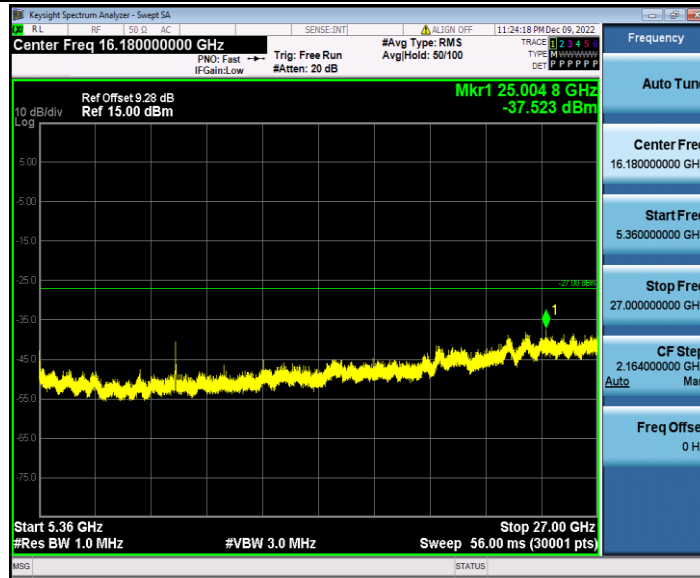
11A\_Ant1\_5280\_5360~40000



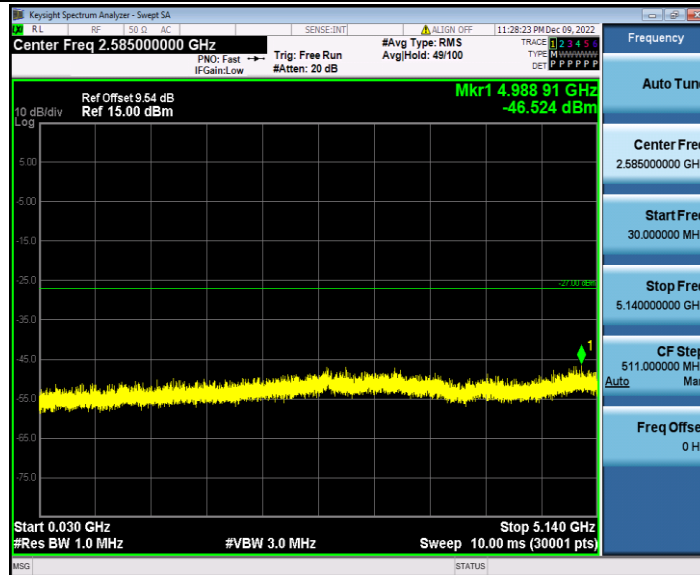
11A\_Ant1\_5320\_30~5140



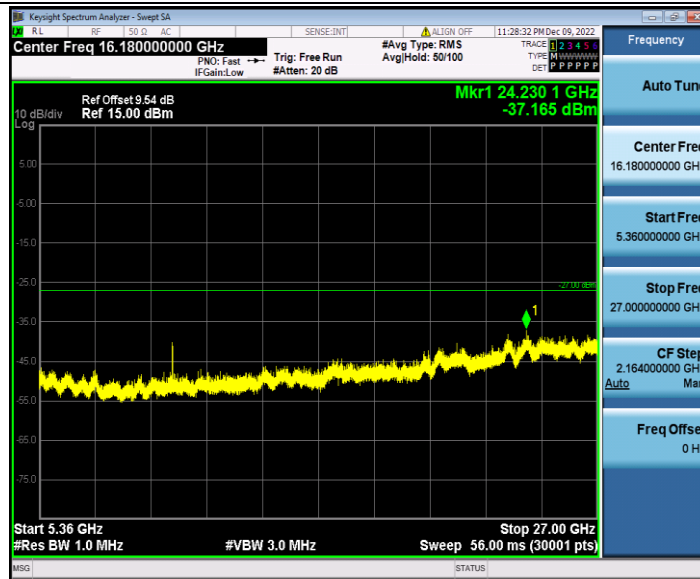
# 11A\_Ant1\_5320\_5360~40000



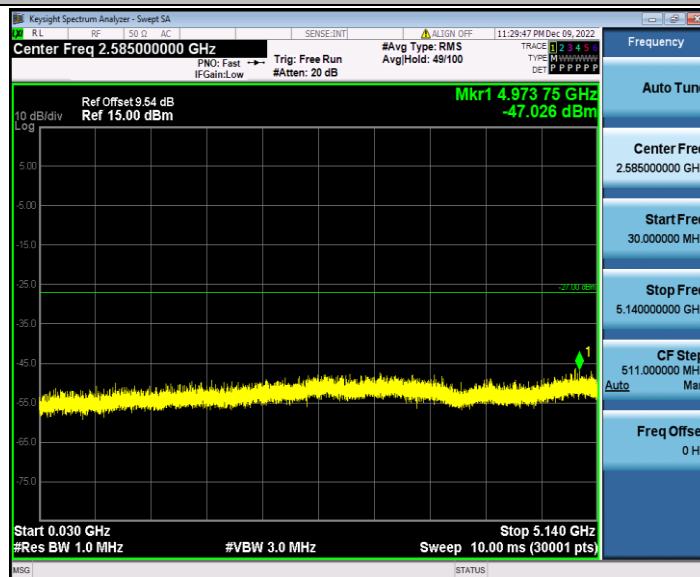
# 11N20SISO\_Ant1\_5260\_30~5140



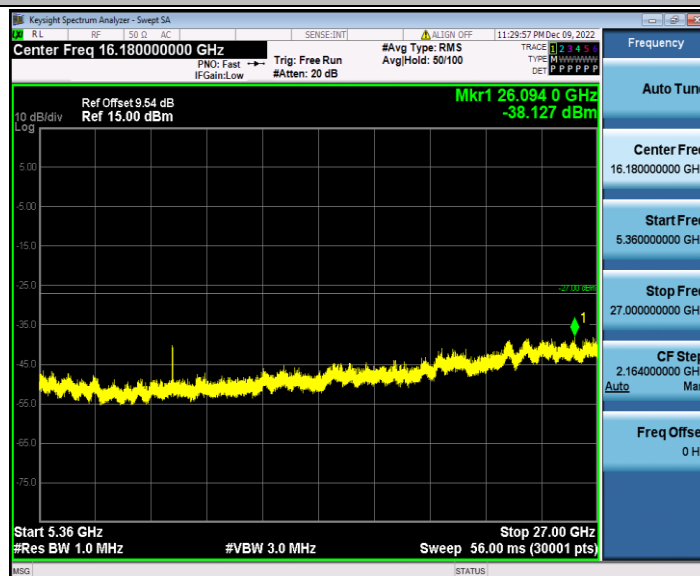
# 11N20SISO\_Ant1\_5260\_5360~40000



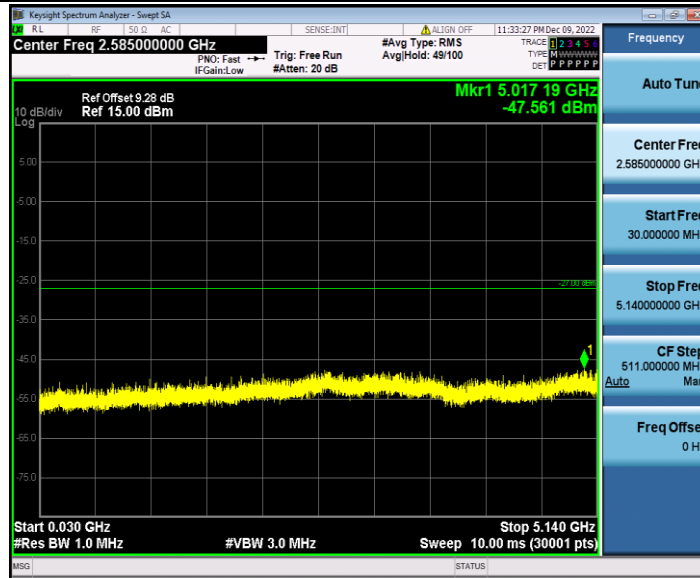
11N20SISO\_Ant1\_5280\_30~5140



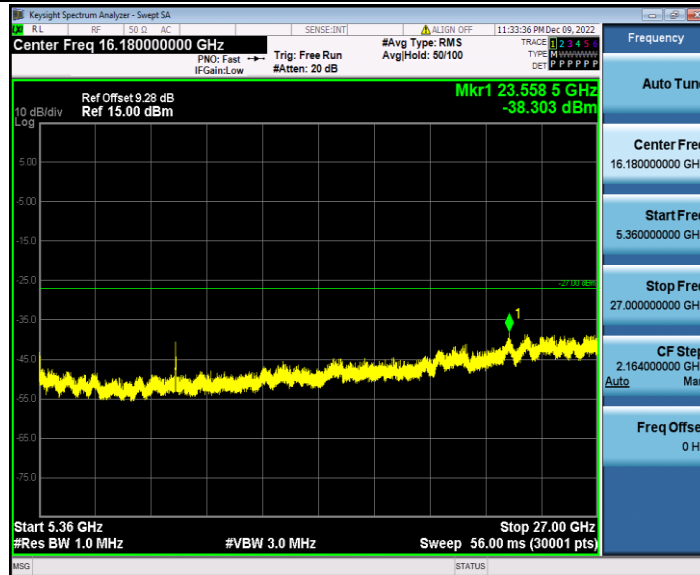
11N20SISO\_Ant1\_5280\_5360~40000



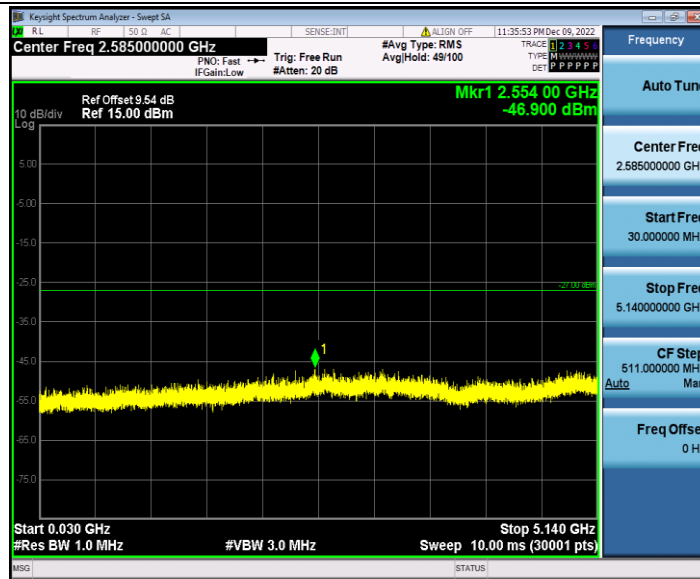
# 11N20SISO\_Ant1\_5320\_30~5140



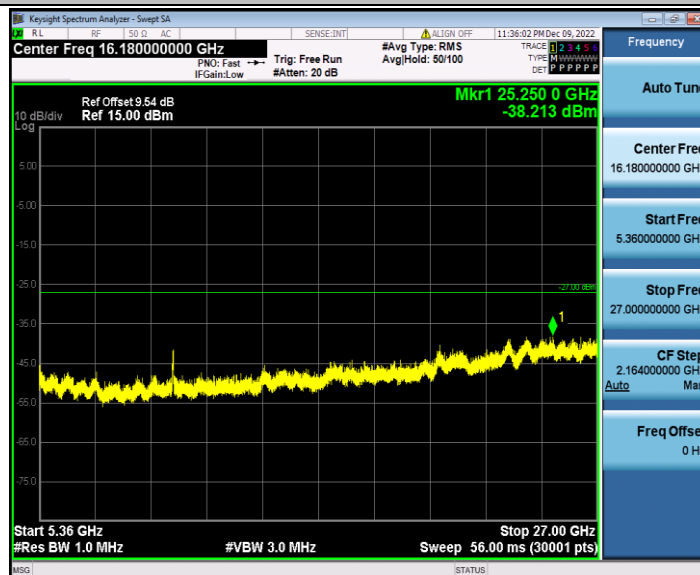
# 11N20SISO\_Ant1\_5320\_5360~40000



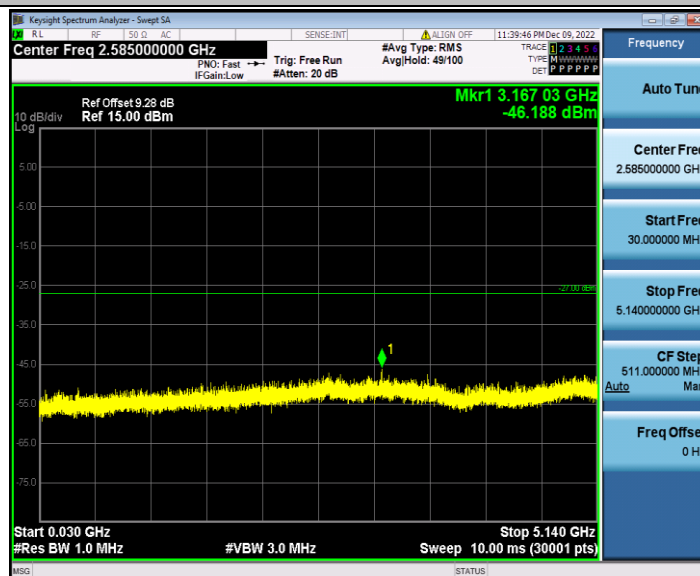
# 11N40SISO\_Ant1\_5270\_30~5140



11N40SISO\_Ant1\_5270\_5360-40000



11N40SISO\_Ant1\_5310\_30-5140





11N40SISO\_Ant1\_5310\_5360~40000

