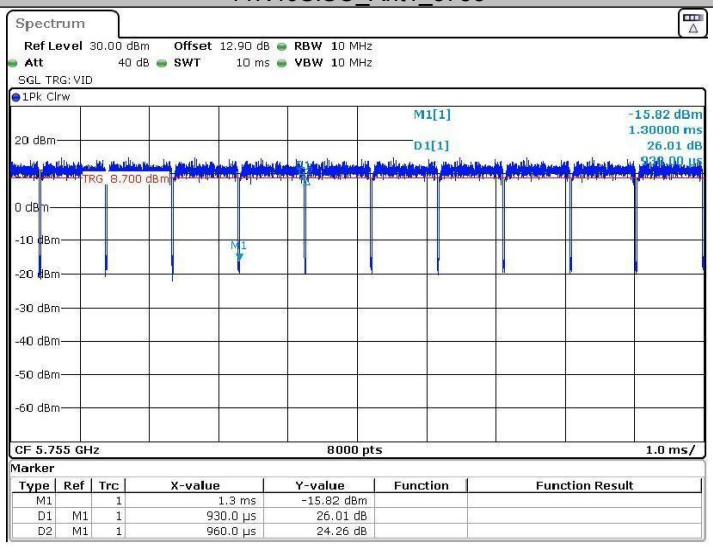
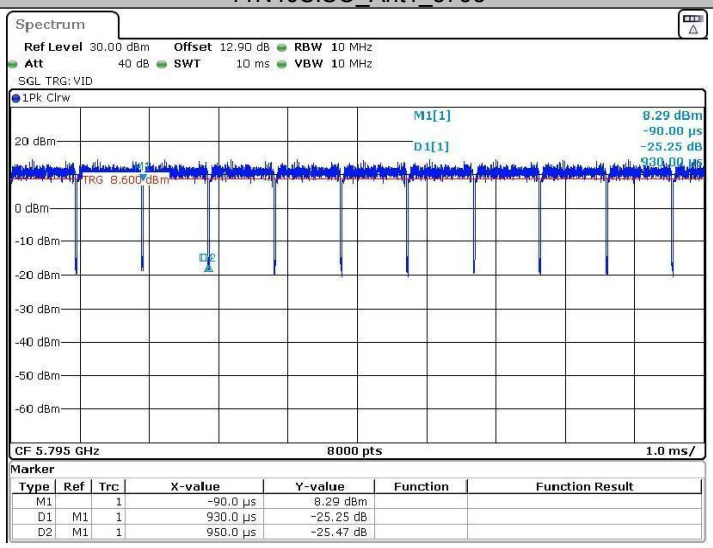
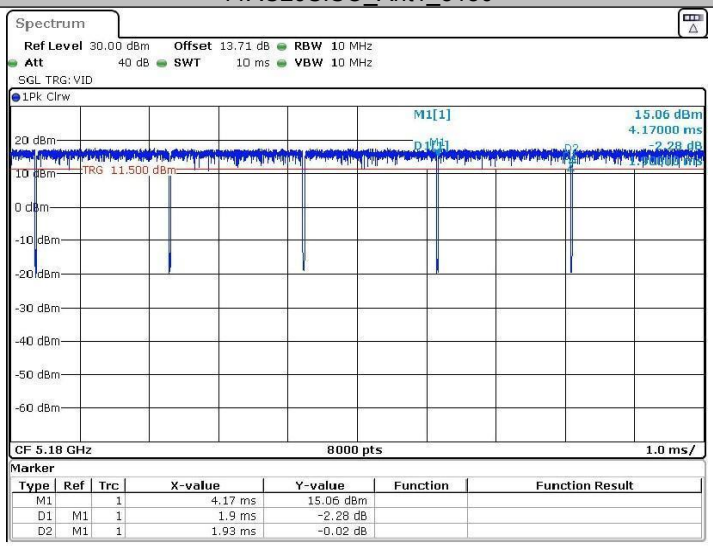
11N40SISO_Ant1_5755



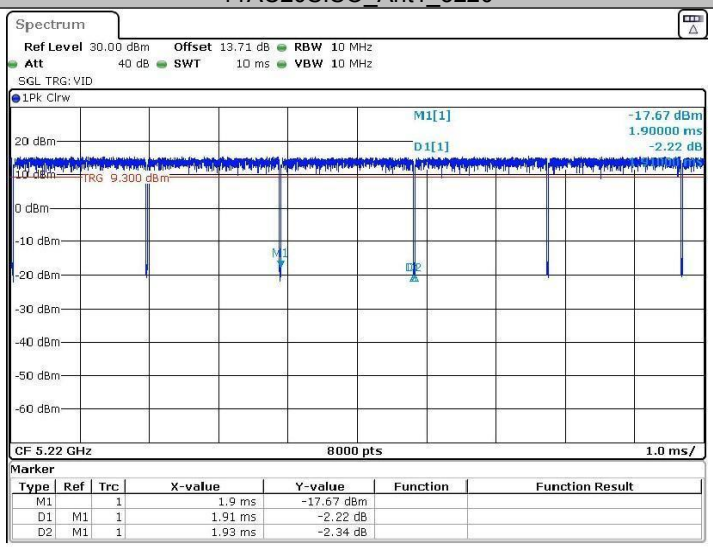

11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180




11AC20SISO_Ant1_5220



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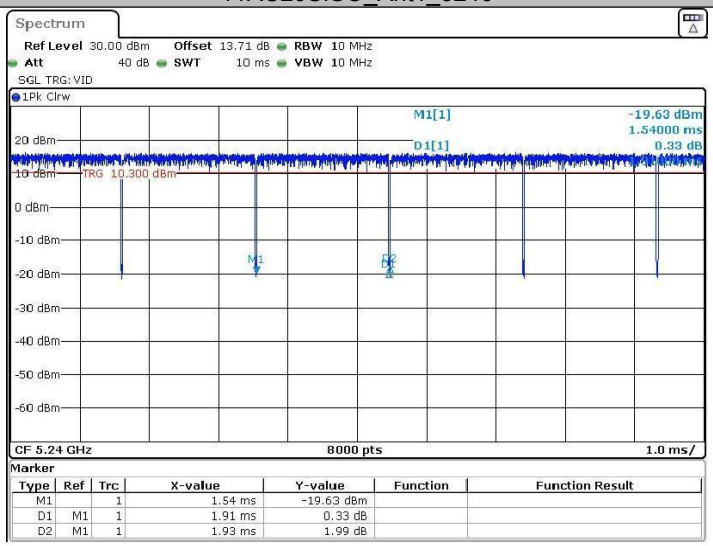


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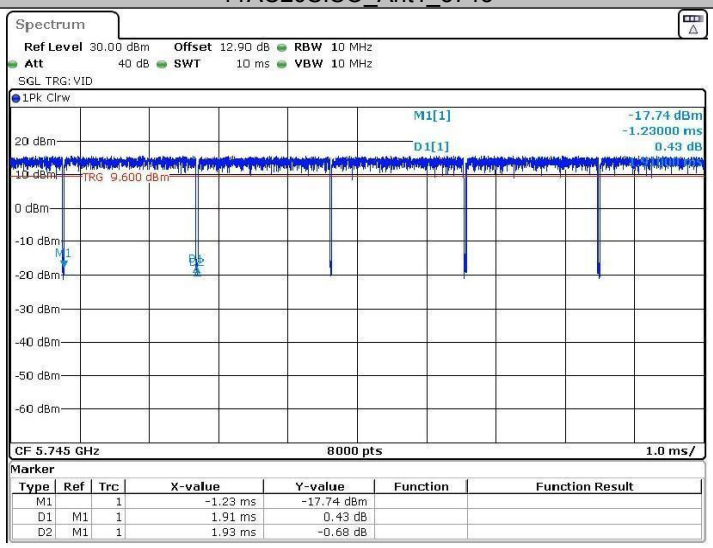

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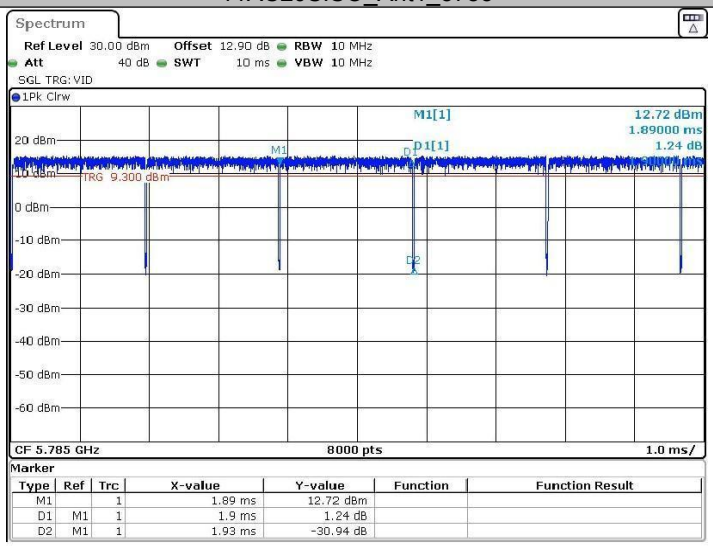


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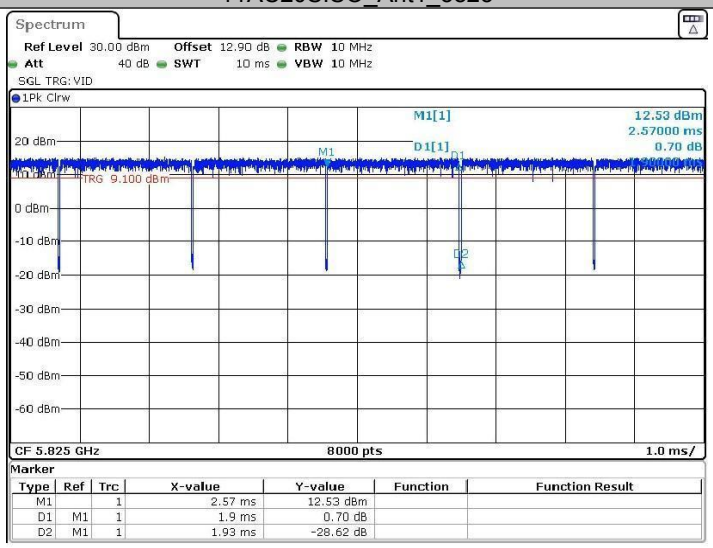
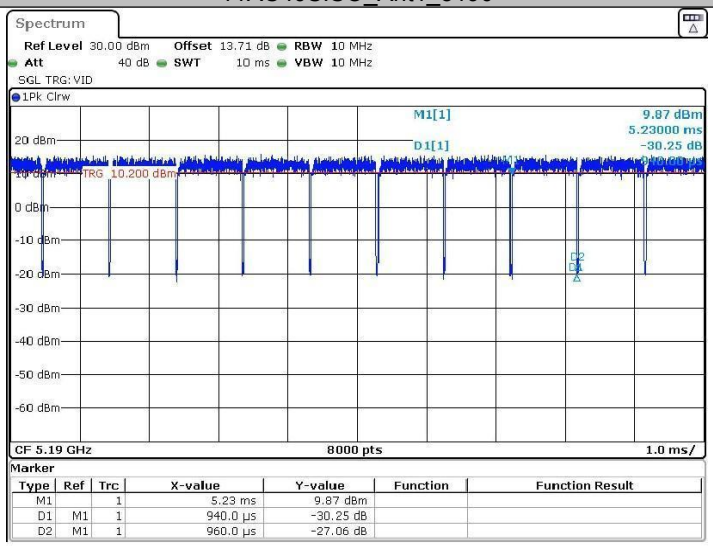
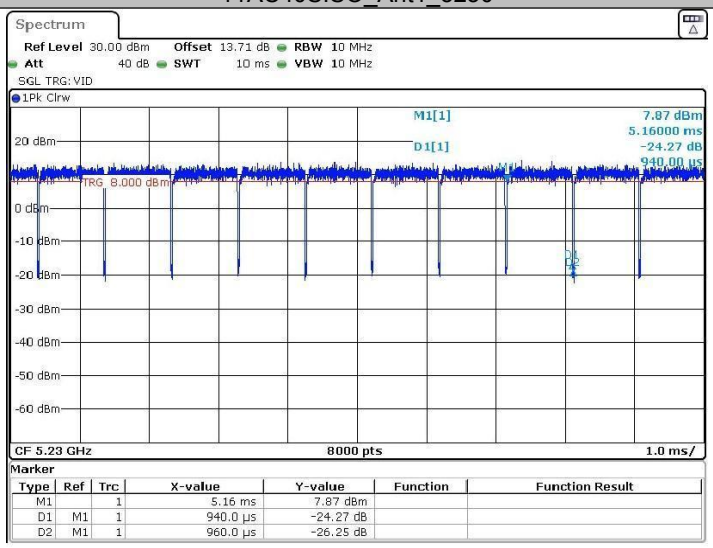


11AC40SISO_Ant1_5190




11AC40SISO_Ant1_5230



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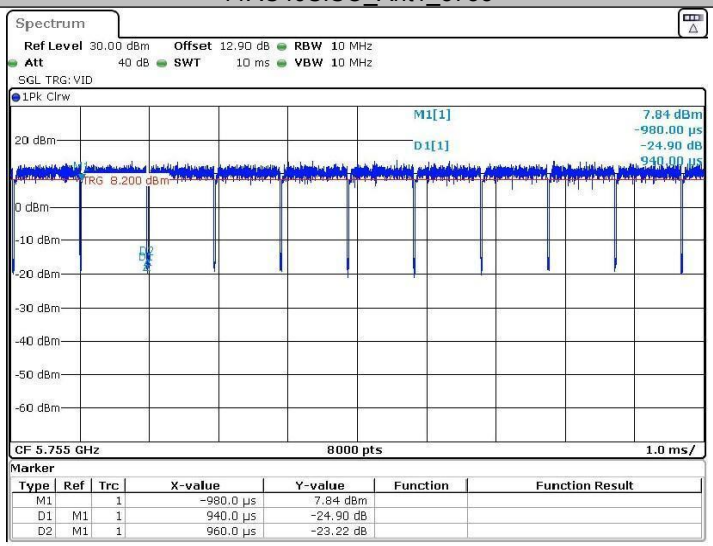
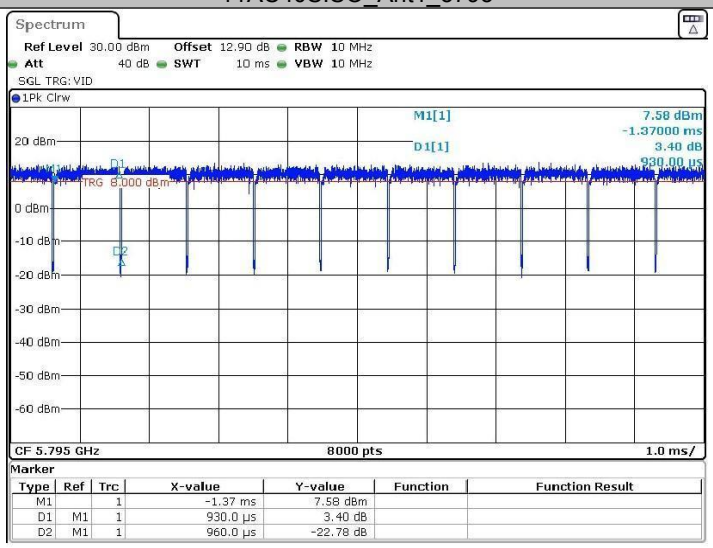
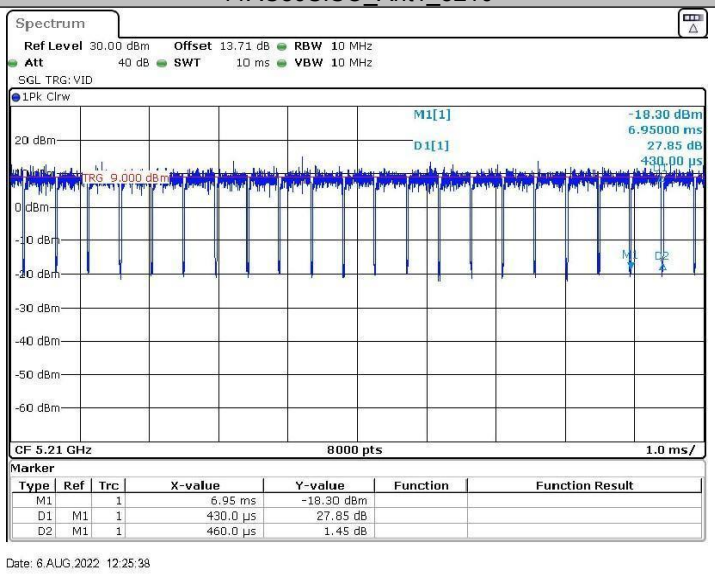


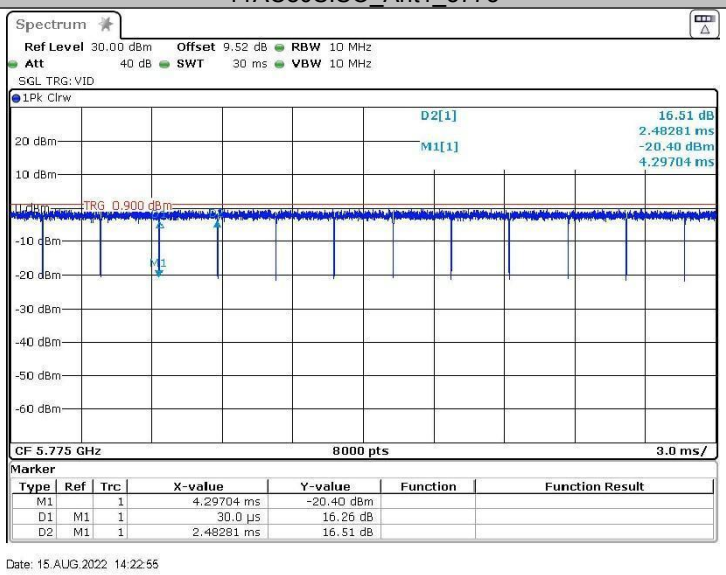

11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210




11AC80SISO_Ant1_5775



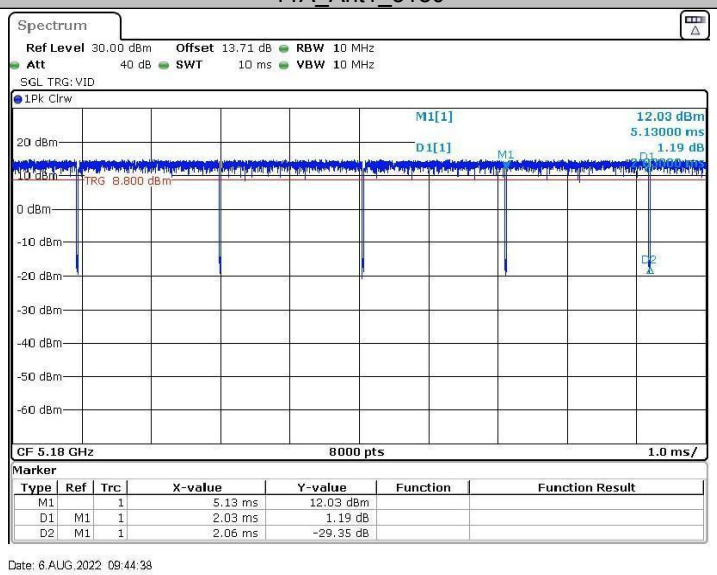
**Ant2**

**Measurement Data**

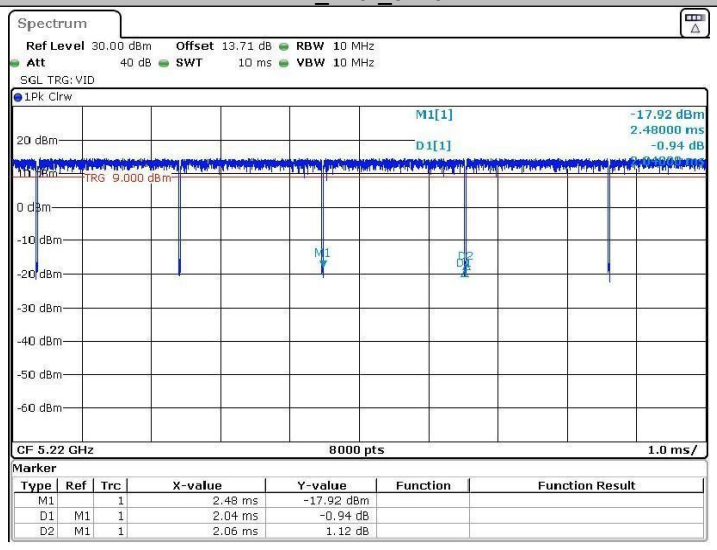
| Test Mode | Antenna | Channel | Duty Cycle[%] | 10log(1/x) Factor[dB] |
|---|---|---|---|---|
| 11A | Ant1 | 5180 | 98.54 | 0.06 |
| 11A | Ant1 | 5220 | 99.03 | 0.04 |
| 11A | Ant1 | 5240 | 98.55 | 0.06 |
| 11A | Ant1 | 5745 | 98.55 | 0.06 |
| 11A | Ant1 | 5785 | 98.55 | 0.06 |
| 11A | Ant1 | 5825 | 99.03 | 0.04 |
| 11N20 | Ant1 | 5180 | 98.96 | 0.05 |
| 11N20 | Ant1 | 5220 | 98.96 | 0.05 |
| 11N20 | Ant1 | 5240 | 98.44 | 0.07 |
| 11N20 | Ant1 | 5745 | 98.44 | 0.07 |
| 11N20 | Ant1 | 5785 | 98.44 | 0.07 |
| 11N20 | Ant1 | 5825 | 98.45 | 0.07 |
| 11N40 | Ant1 | 5190 | 96.88 | 0.14 |
| 11N40 | Ant1 | 5230 | 96.88 | 0.14 |
| 11N40 | Ant1 | 5755 | 96.88 | 0.14 |
| 11N40 | Ant1 | 5795 | 97.89 | 0.09 |
| 11AC20 | Ant1 | 5180 | 98.45 | 0.07 |
| 11AC20 | Ant1 | 5220 | 98.96 | 0.05 |
| 11AC20 | Ant1 | 5240 | 98.96 | 0.05 |
| 11AC20 | Ant1 | 5745 | 98.96 | 0.05 |
| 11AC20 | Ant1 | 5785 | 98.45 | 0.07 |
| 11AC20 | Ant1 | 5825 | 98.45 | 0.07 |
| 11AC40 | Ant1 | 5190 | 97.92 | 0.09 |
| 11AC40 | Ant1 | 5230 | 97.92 | 0.09 |
| 11AC40 | Ant1 | 5755 | 97.92 | 0.09 |
| 11AC40 | Ant1 | 5795 | 96.88 | 0.14 |
| 11AC80 | Ant1 | 5210 | 93.48 | 0.29 |
| 11AC80 | Ant1 | 5775 | 98.91 | 0.05 |

## Test Graphs

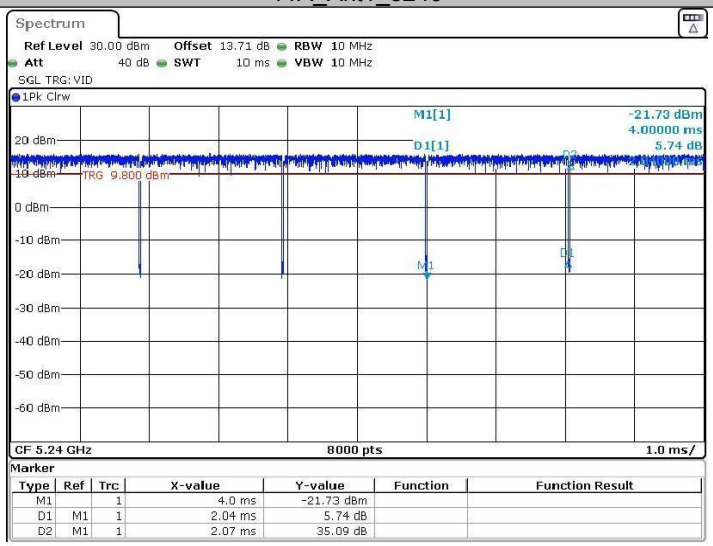
11A_Ant1_5180



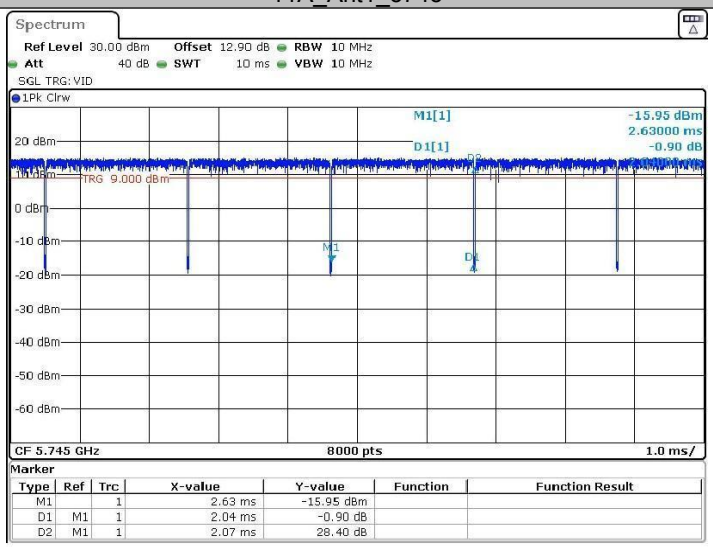

11A_Ant1_5220



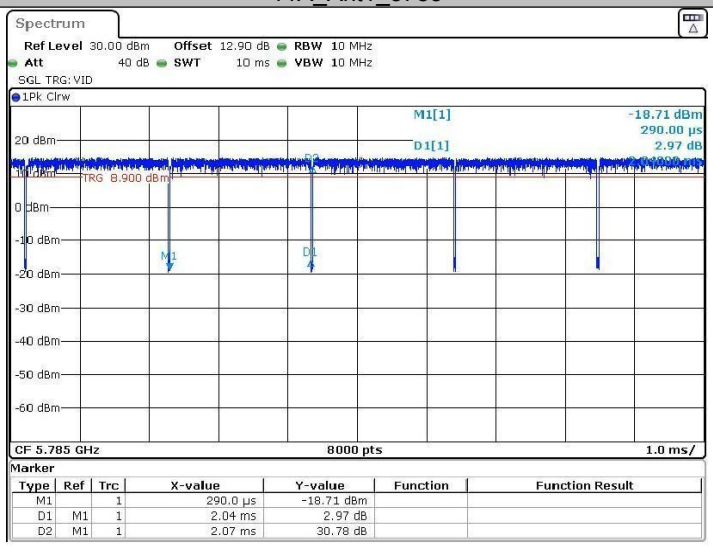
11A_Ant1_5240



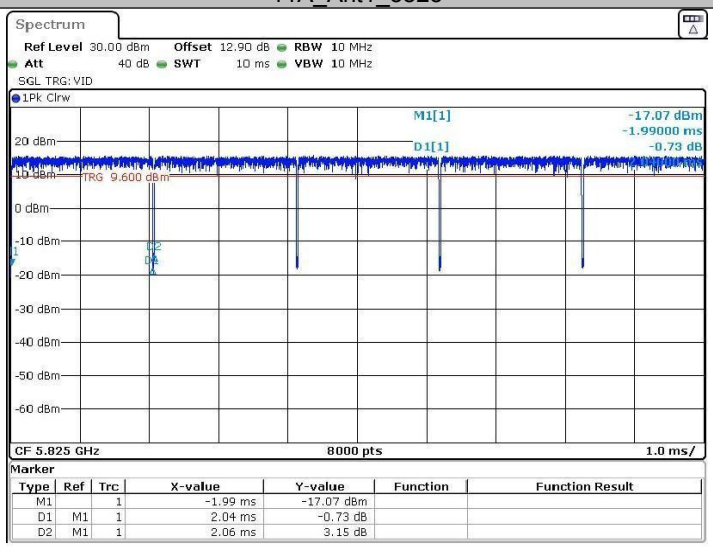

11A_Ant1_5745



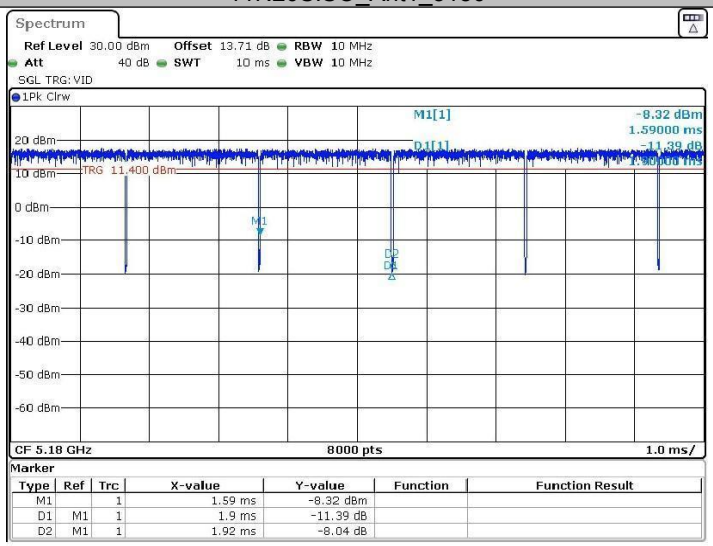
11A_Ant1_5785



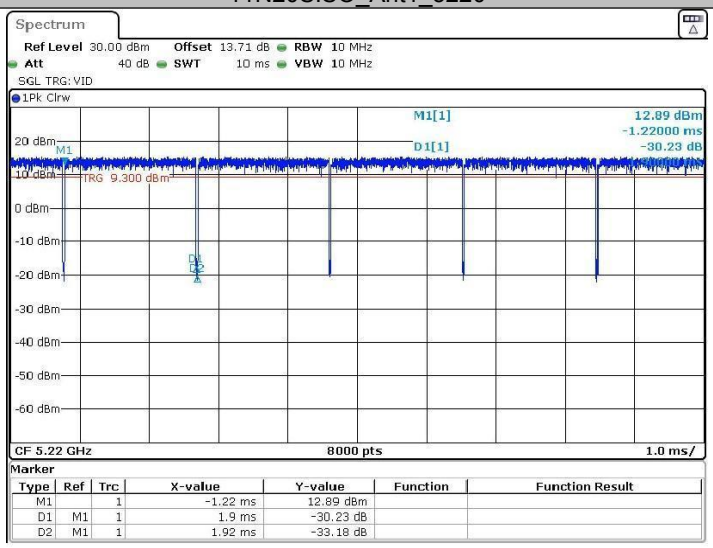

11A_Ant1_5825



11N20SISO_Ant1_5180




11N20SISO_Ant1_5220



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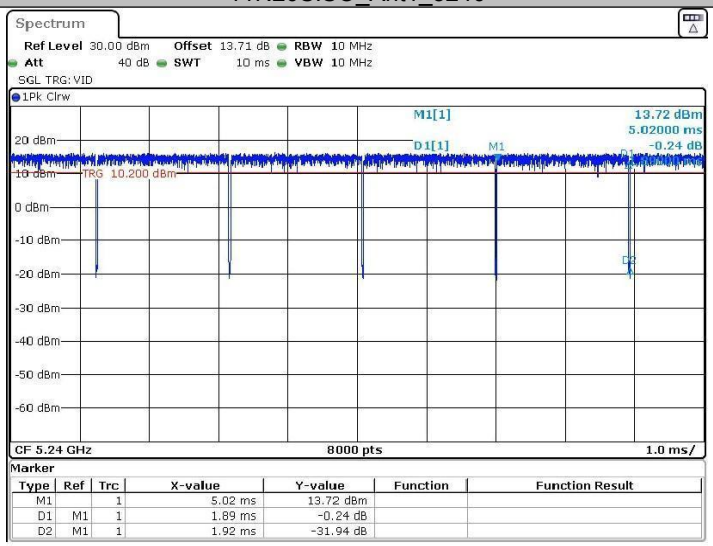
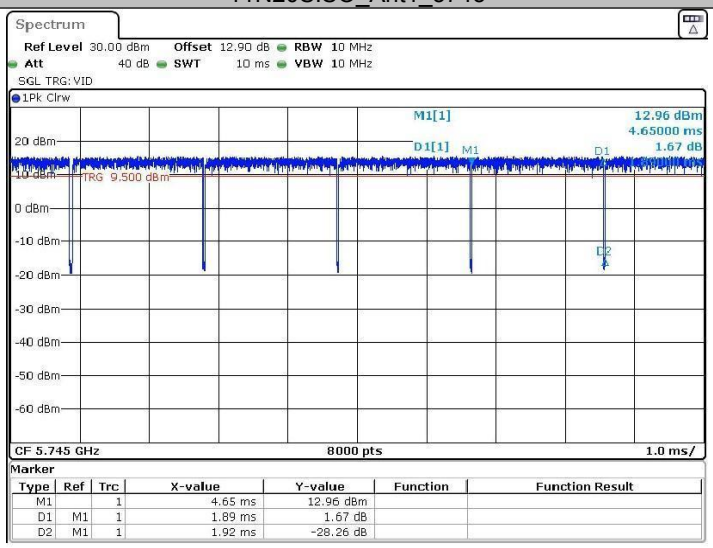



11N20SISO_Ant1_5745



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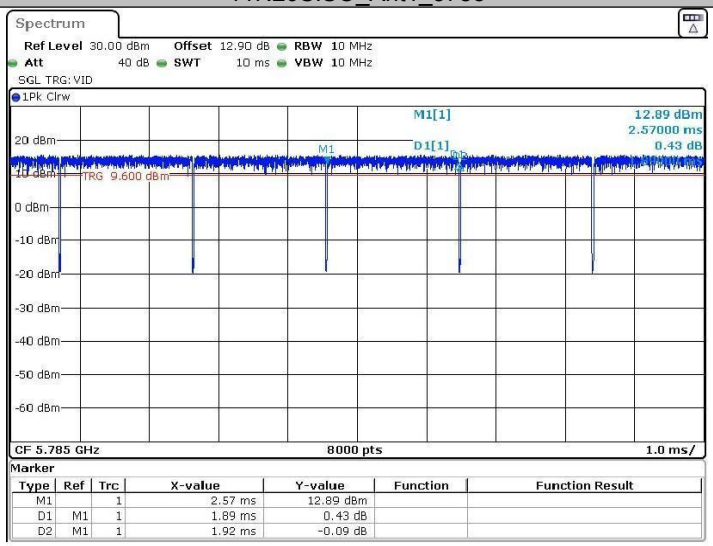
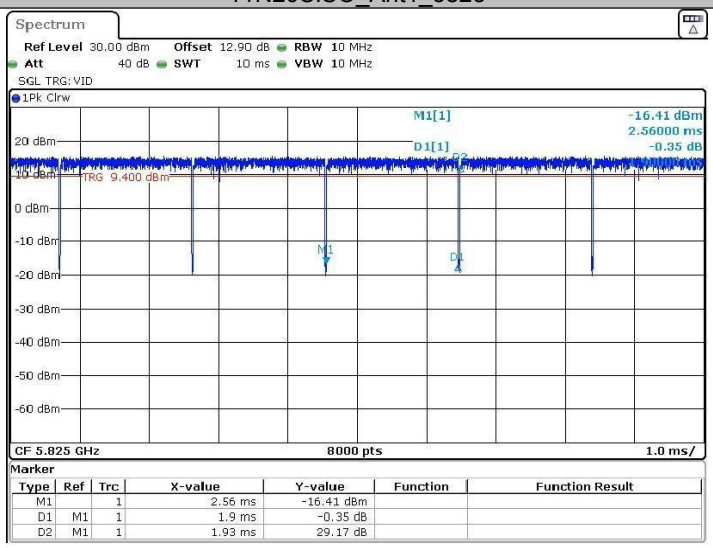



11N20SISO_Ant1_5825



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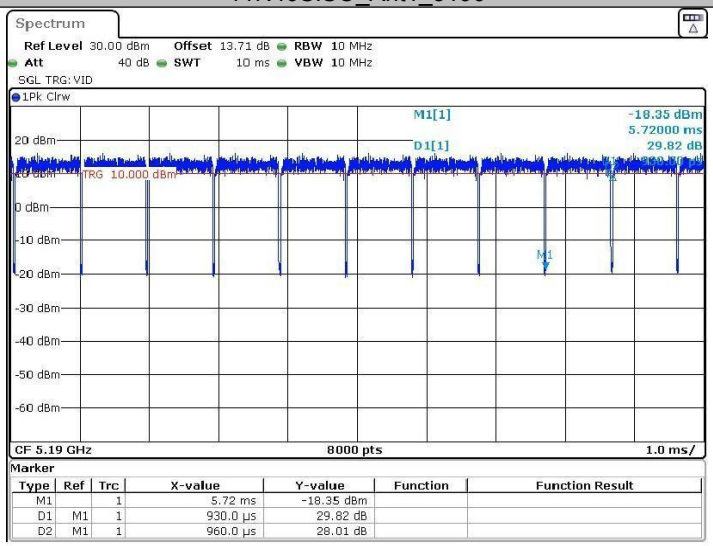
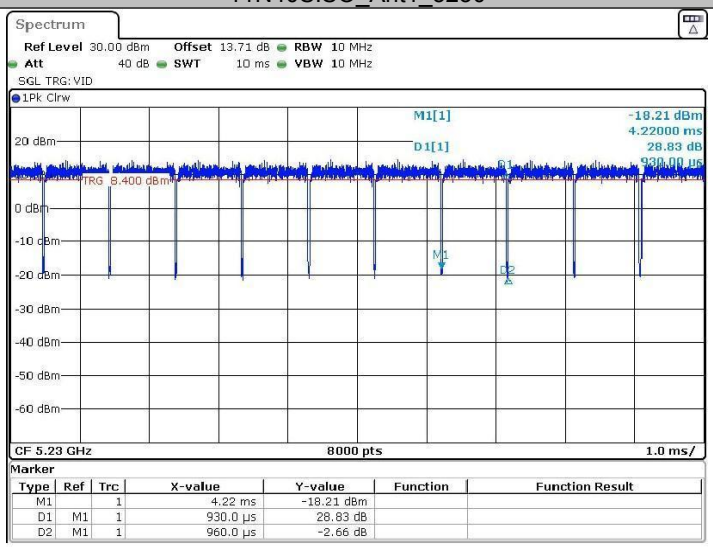
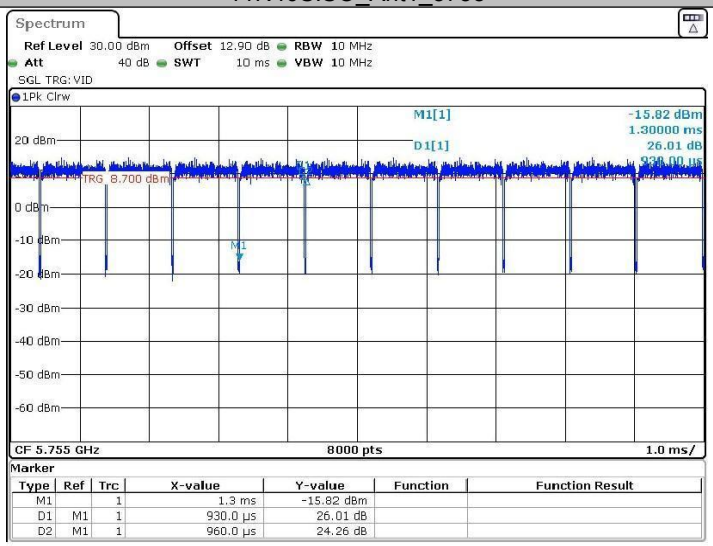


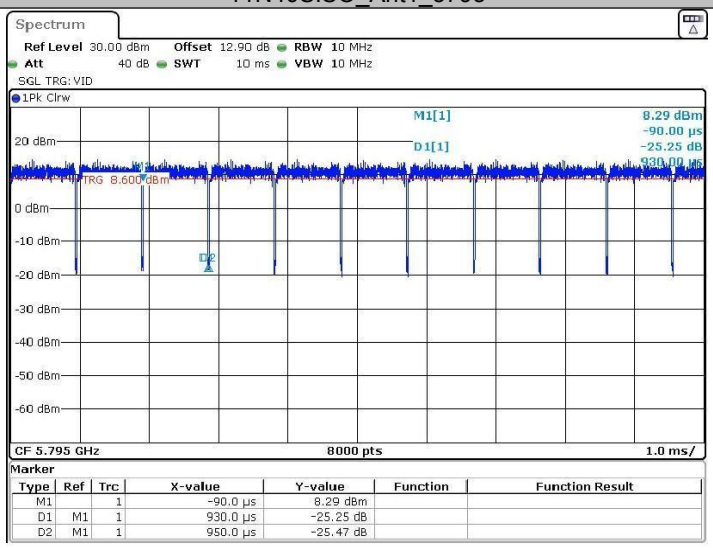

11N40SISO_Ant1_5230



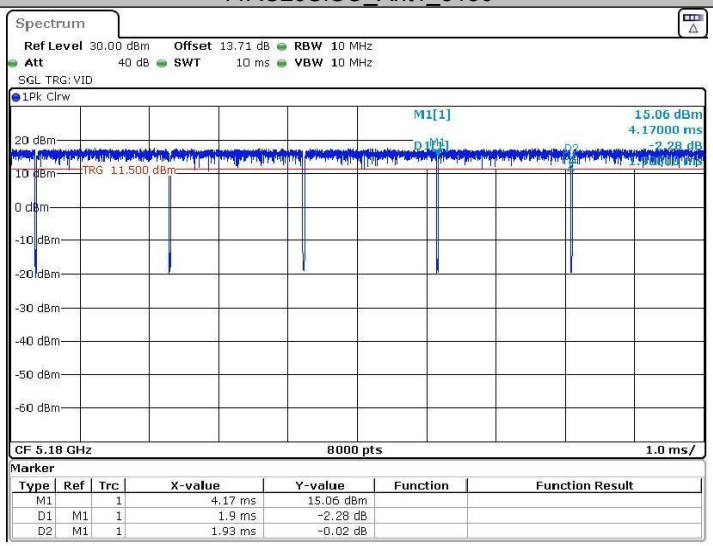
11N40SISO_Ant1_5755




11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180




Date: 6.AUG.2022 11:27:58

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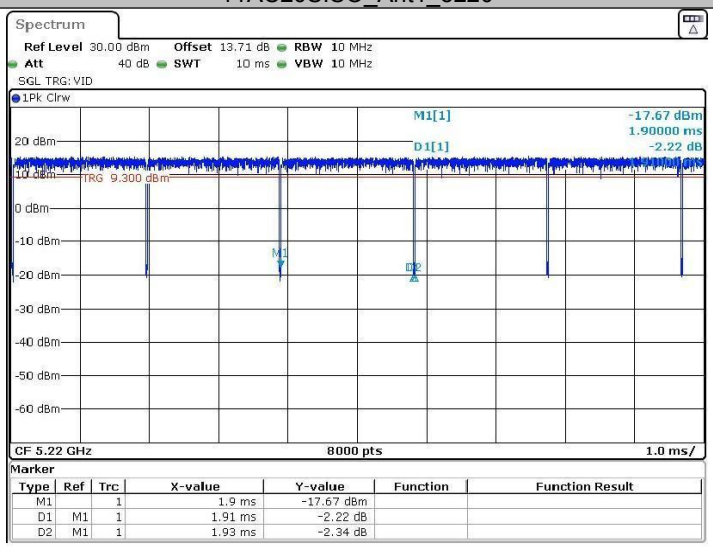


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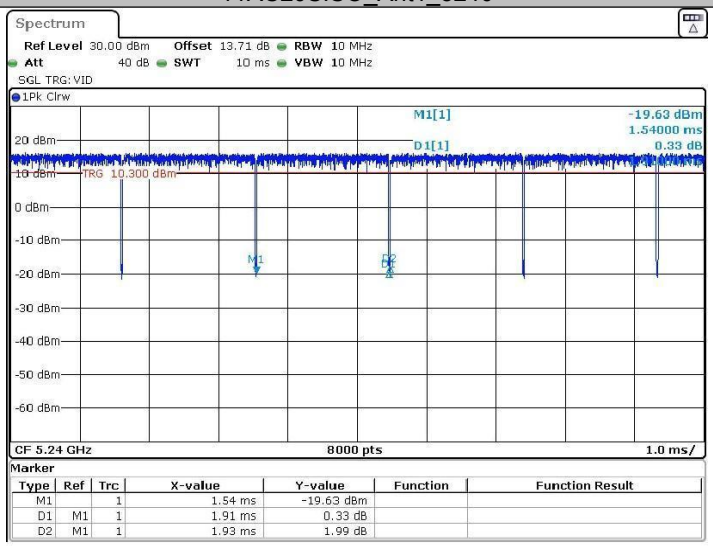


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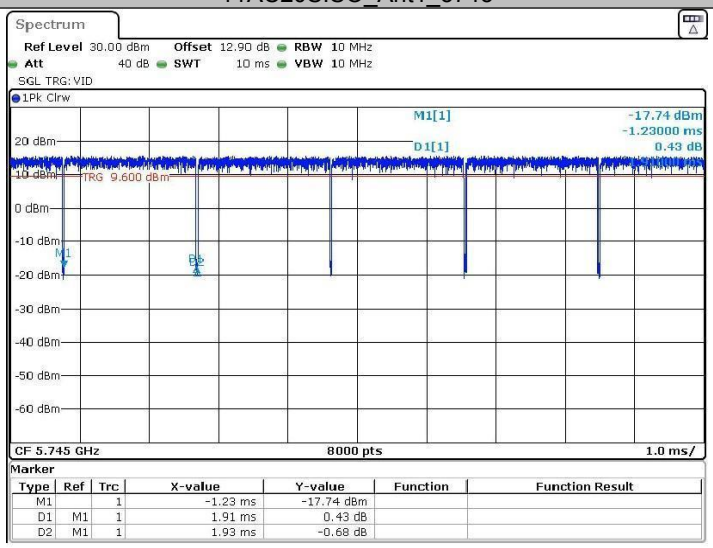

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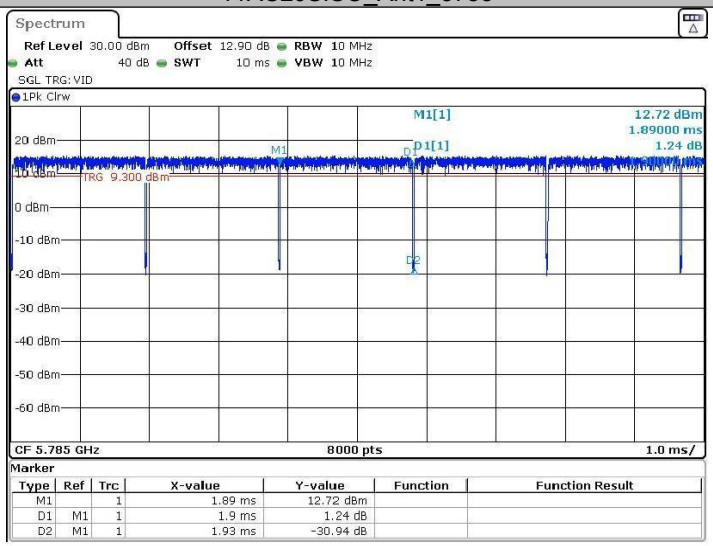


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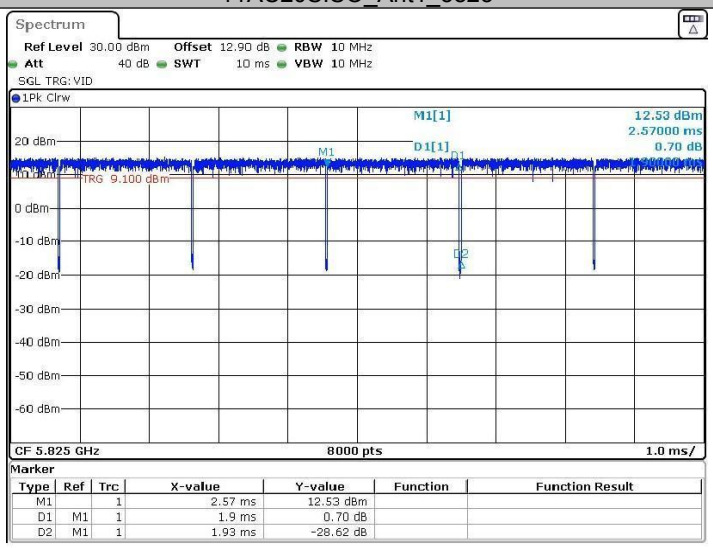
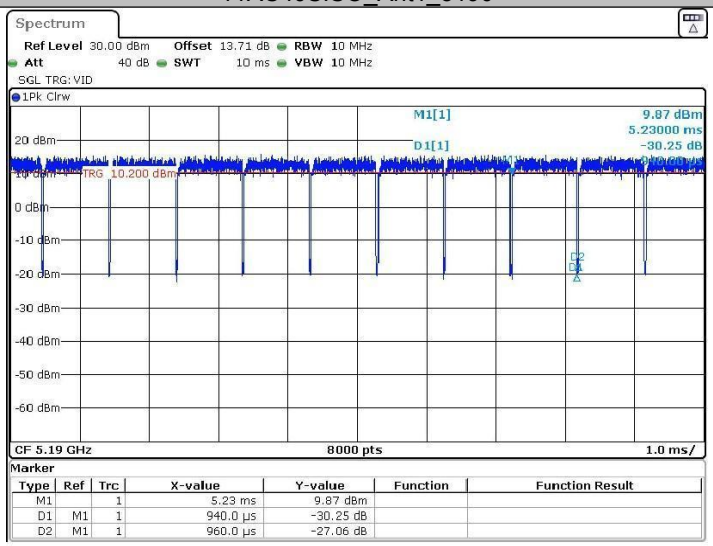
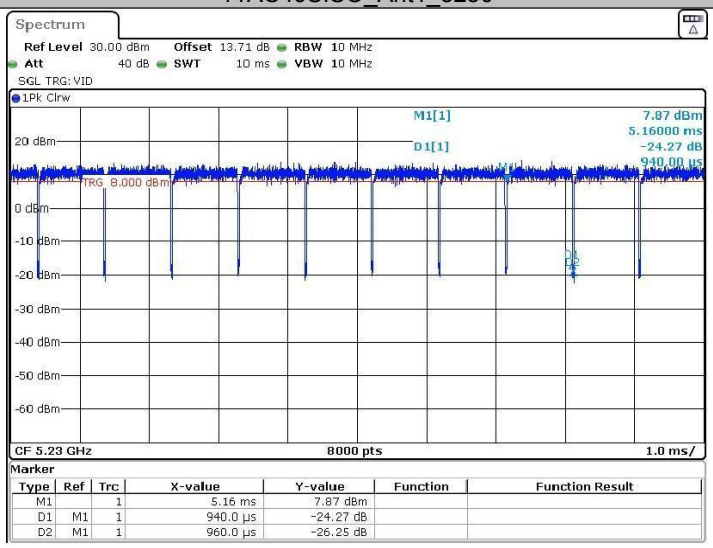


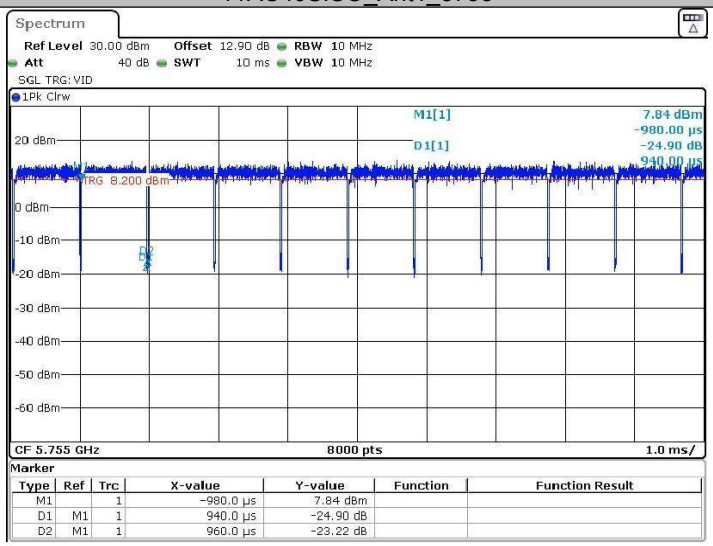
11AC40SISO_Ant1_5190




11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755

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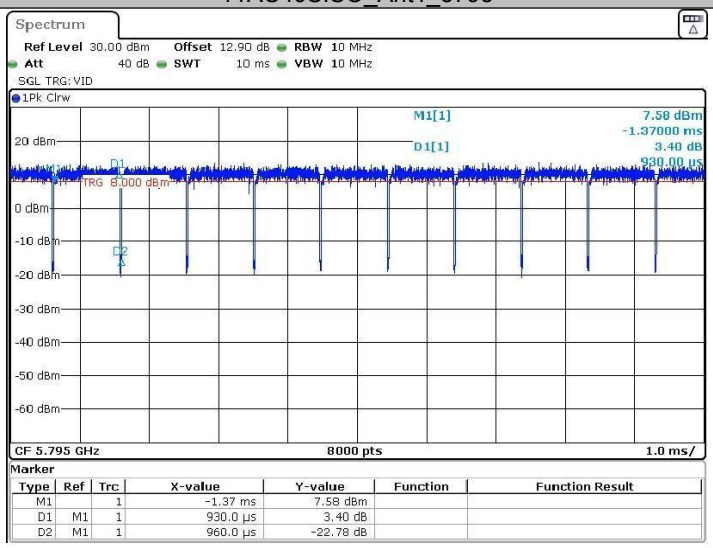
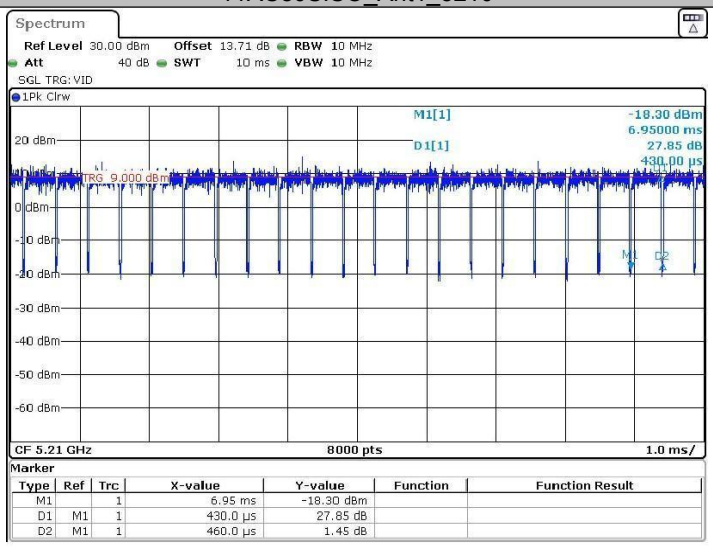
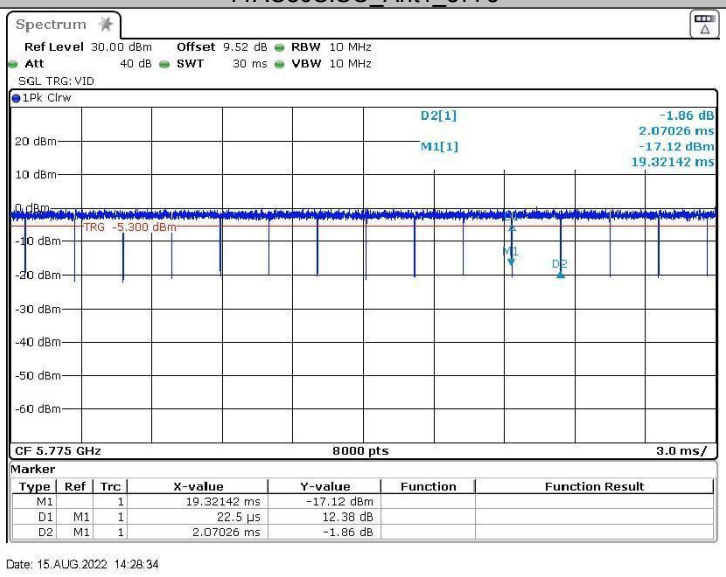


11AC80SISO_Ant1_5210




11AC80SISO_Ant1_5775



**2. Maximum Conducted Output Power**

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

| Frequency band(MHz) | Limit |
|---|---|
| 5150-5250 | ≤1W(30dBm) for master device |
| | ≤250mW(24dBm) for client device |
| 5250-5350 | ≤250mW(24dBm) for client device or 11dBm+10logB* |
| 5470-5725 | ≤250mW(24dBm) for client device or 11dBm+10logB* |
| 5725-5850 | ≤1W(30dBm) |
| Remark: | * Where B is the 26dB emission bandwidth in MHz.<br>The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. |

# Test Procedure:

**Method SA-2** (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

(1) Set RBW = 1 MHz.

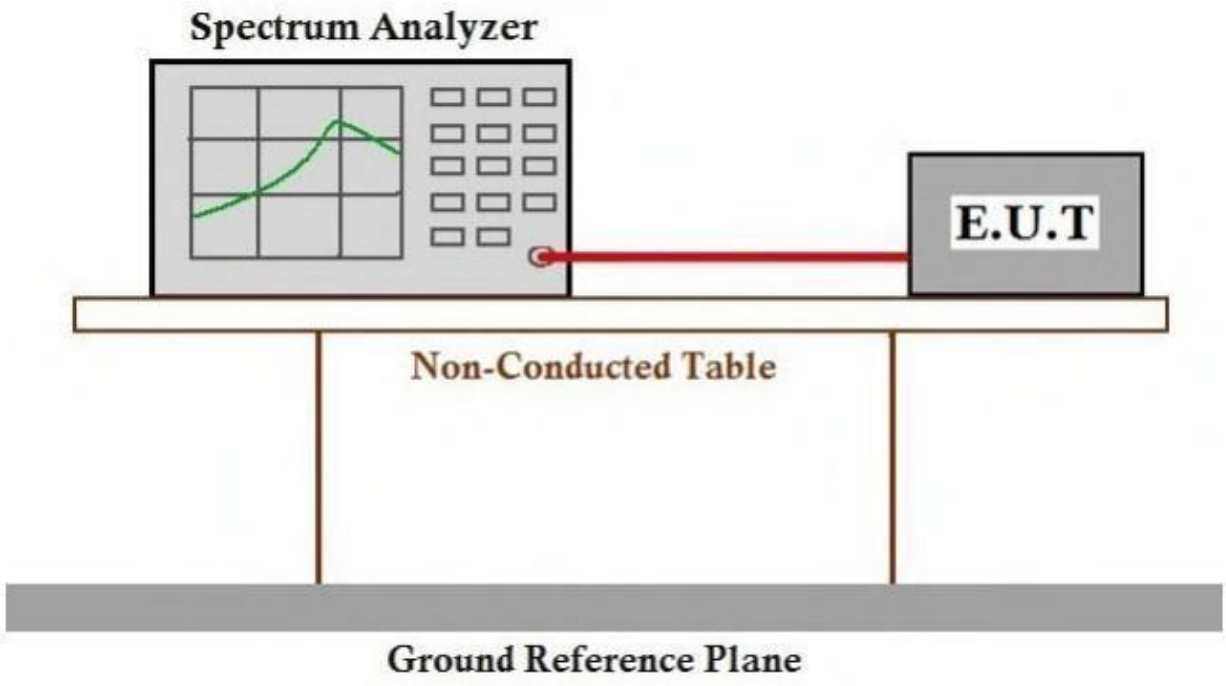
(2) Set VBW ≥ 3 MHz.

(3) Detector = power average

(4) Sweep time = auto.

(5) Add duty cycle to the measured average power.

## Test Setup Diagram



**Ant1**

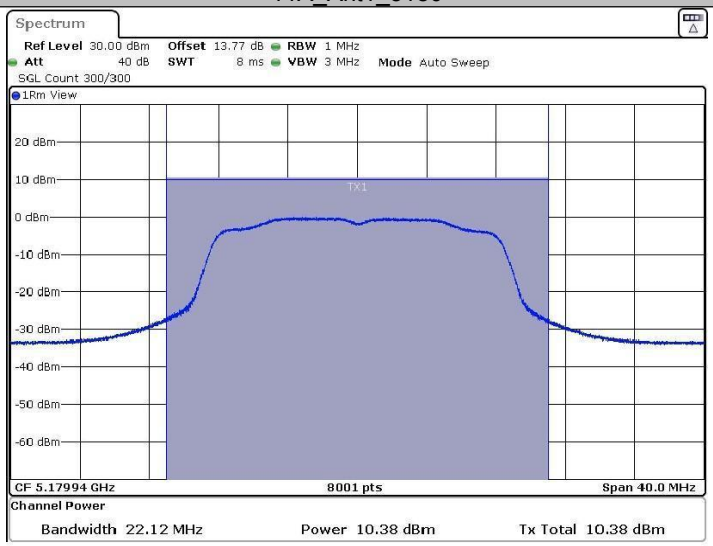
**Measurement Data**

| Test Mode | Antenna | Channel | Meas.Level [dBm] | Av.Power [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 10.38 | 10.44 | 24 | PASS |
| 11A | Ant1 | 5220 | 10.26 | 10.30 | 24 | PASS |
| 11A | Ant1 | 5240 | 11.46 | 11.52 | 24 | PASS |
| 11A | Ant1 | 5745 | 10.36 | 10.42 | 30 | PASS |
| 11A | Ant1 | 5785 | 10.07 | 10.13 | 30 | PASS |
| 11A | Ant1 | 5825 | 10.83 | 10.87 | 30 | PASS |
| 11N20 | Ant1 | 5180 | 12.94 | 12.99 | 24 | PASS |
| 11N20 | Ant1 | 5220 | 10.83 | 10.88 | 24 | PASS |
| 11N20 | Ant1 | 5240 | 11.70 | 11.77 | 24 | PASS |
| 11N20 | Ant1 | 5745 | 10.67 | 10.74 | 30 | PASS |
| 11N20 | Ant1 | 5785 | 10.78 | 10.85 | 30 | PASS |
| 11N20 | Ant1 | 5825 | 10.62 | 10.69 | 30 | PASS |
| 11N40 | Ant1 | 5190 | 12.49 | 12.63 | 24 | PASS |
| 11N40 | Ant1 | 5230 | 11.18 | 11.32 | 24 | PASS |
| 11N40 | Ant1 | 5755 | 10.69 | 10.83 | 30 | PASS |
| 11N40 | Ant1 | 5795 | 10.66 | 10.75 | 30 | PASS |
| 11AC20 | Ant1 | 5180 | 13.05 | 13.12 | 24 | PASS |
| 11AC20 | Ant1 | 5220 | 11.00 | 11.05 | 24 | PASS |
| 11AC20 | Ant1 | 5240 | 11.75 | 11.80 | 24 | PASS |
| 11AC20 | Ant1 | 5745 | 10.75 | 10.80 | 30 | PASS |
| 11AC20 | Ant1 | 5785 | 10.50 | 10.57 | 30 | PASS |
| 11AC20 | Ant1 | 5825 | 10.25 | 10.32 | 30 | PASS |
| 11AC40 | Ant1 | 5190 | 12.38 | 12.47 | 24 | PASS |
| 11AC40 | Ant1 | 5230 | 10.67 | 10.76 | 24 | PASS |
| 11AC40 | Ant1 | 5755 | 10.02 | 10.11 | 30 | PASS |
| 11AC40 | Ant1 | 5795 | 10.22 | 10.36 | 30 | PASS |
| 11AC80 | Ant1 | 5210 | 11.64 | 11.93 | 24 | PASS |
| 11AC80 | Ant1 | 5775 | 10.11 | 10.16 | 30 | PASS |

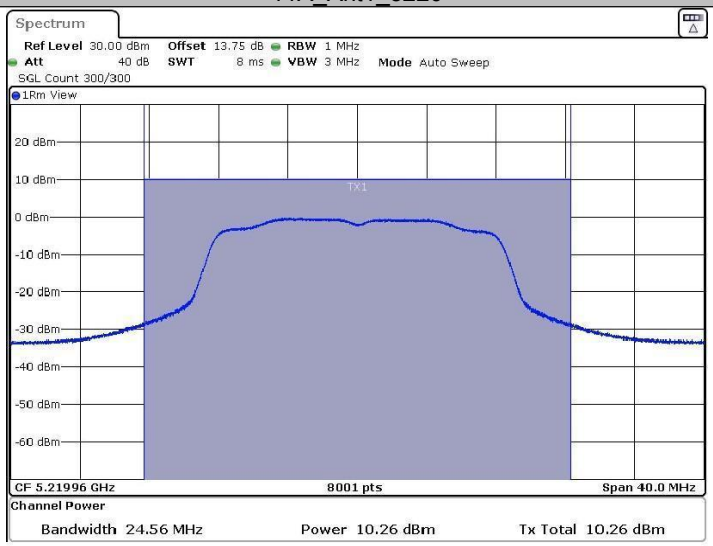
Remark:
Av.Power=Meas.Level+10 log (1/duty cycle)
E.i.r.p=Av.Power+G,
G = antenna gain in dBi.

## Test Graphs

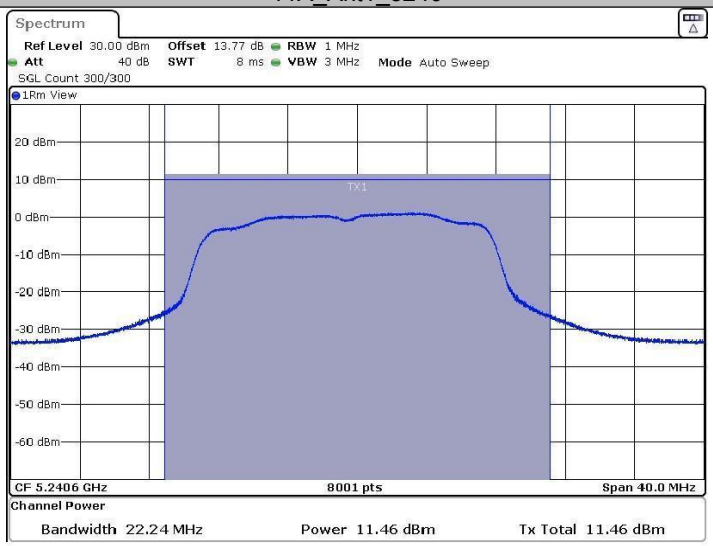
11A_Ant1_5180



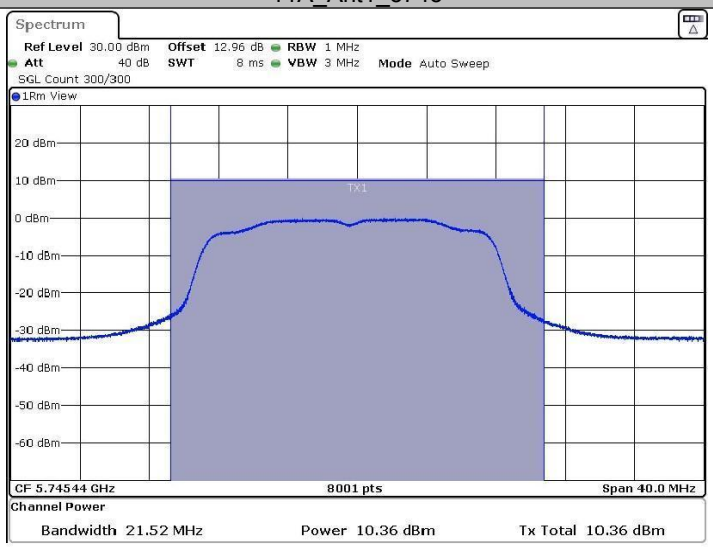

11A_Ant1_5220



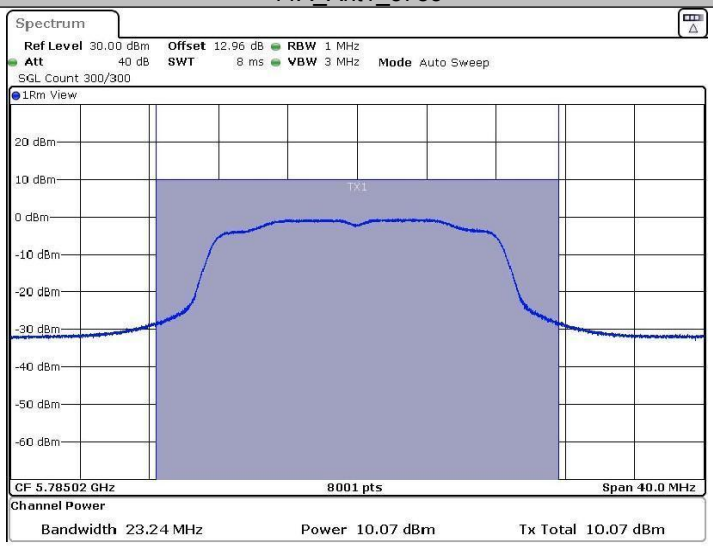
11A_Ant1_5240




11A_Ant1_5745



11A_Ant1_5785

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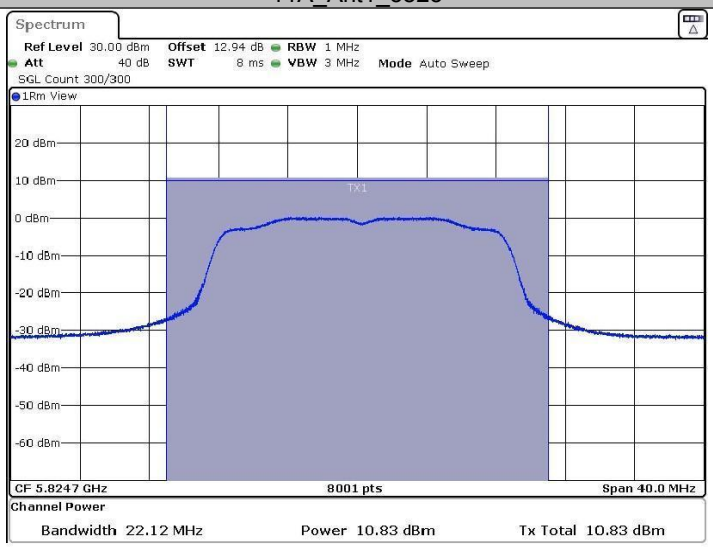

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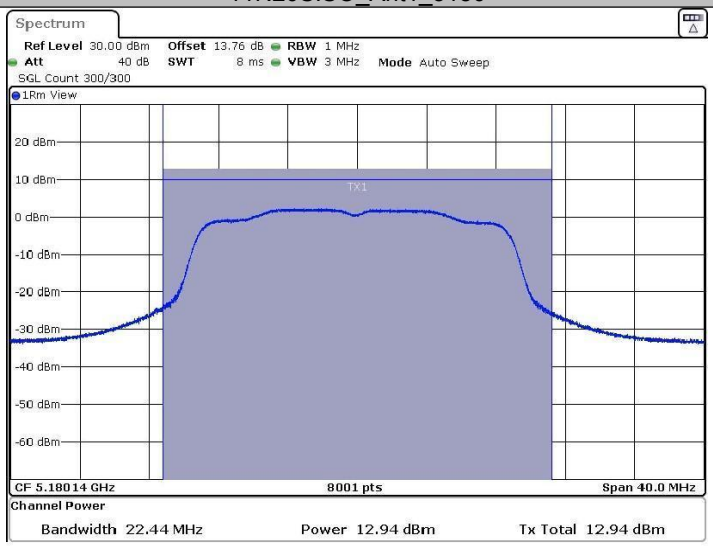


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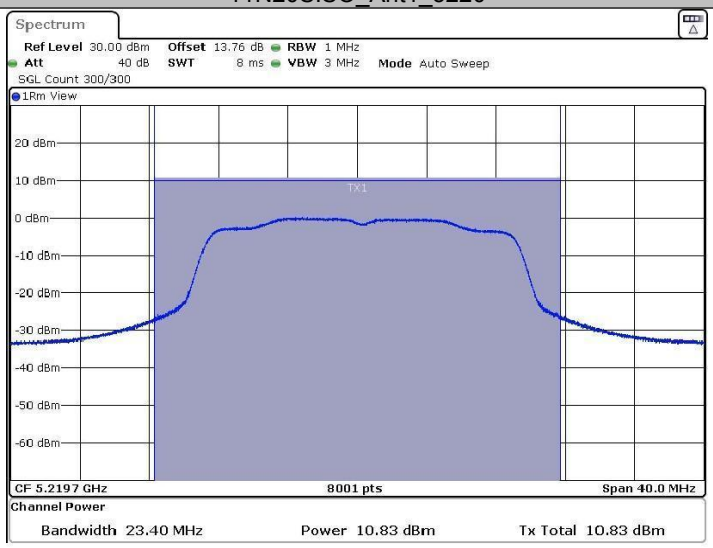

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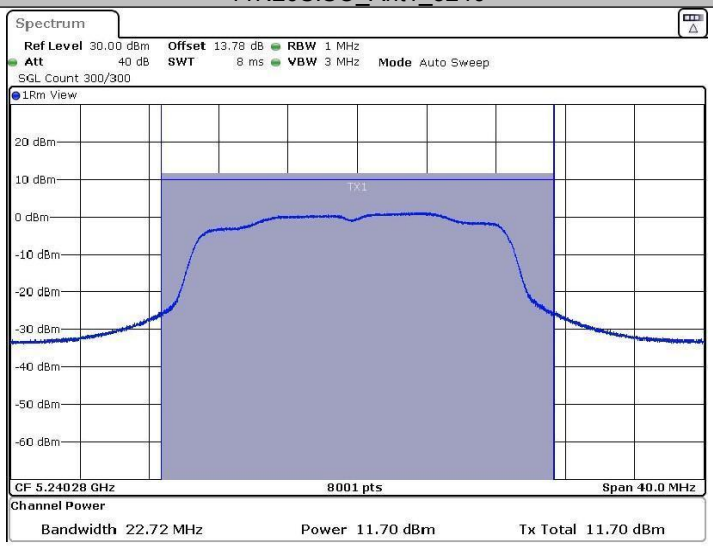
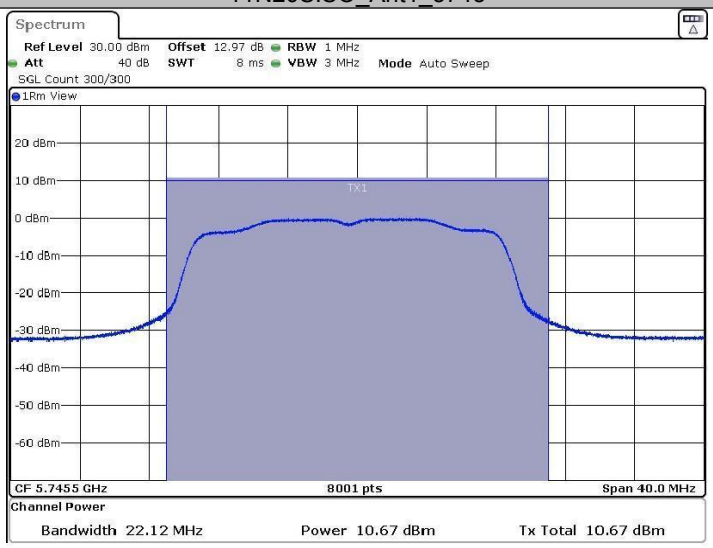



11N20SISO_Ant1_5745



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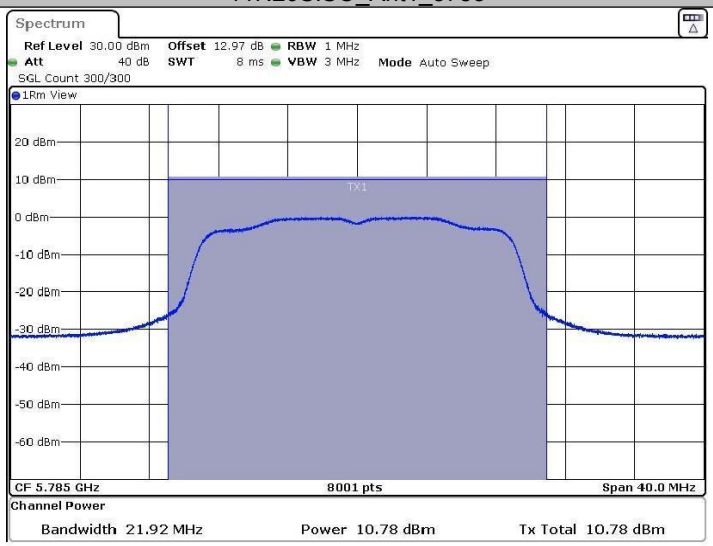


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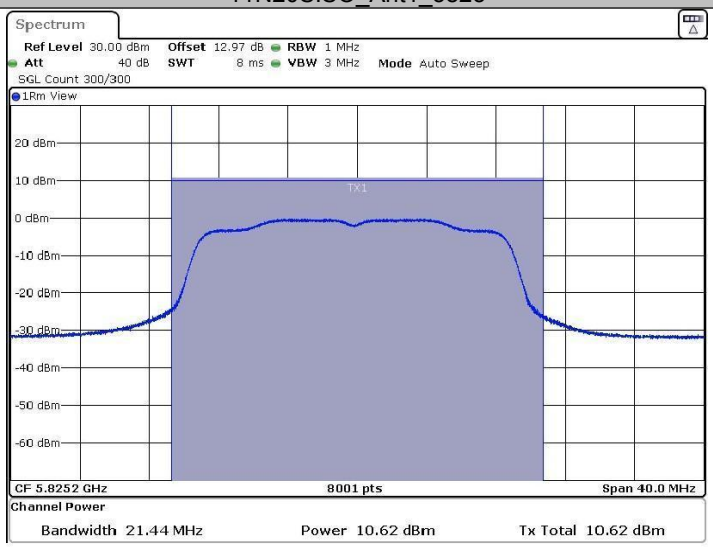
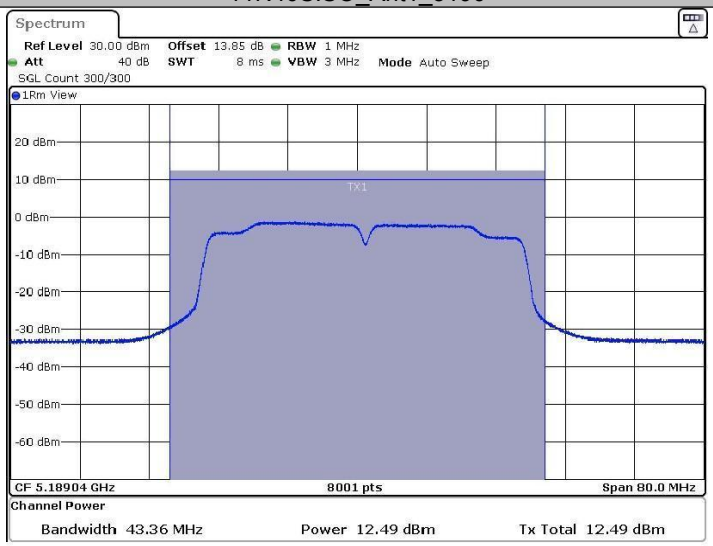


11N40SISO_Ant1_5190

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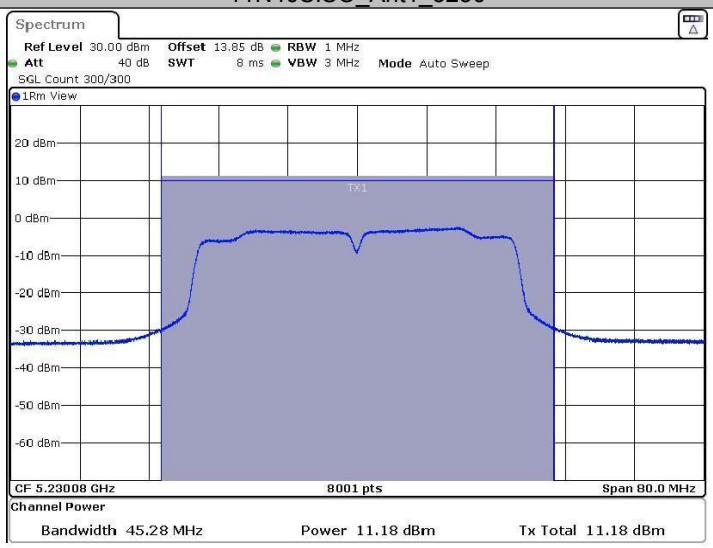

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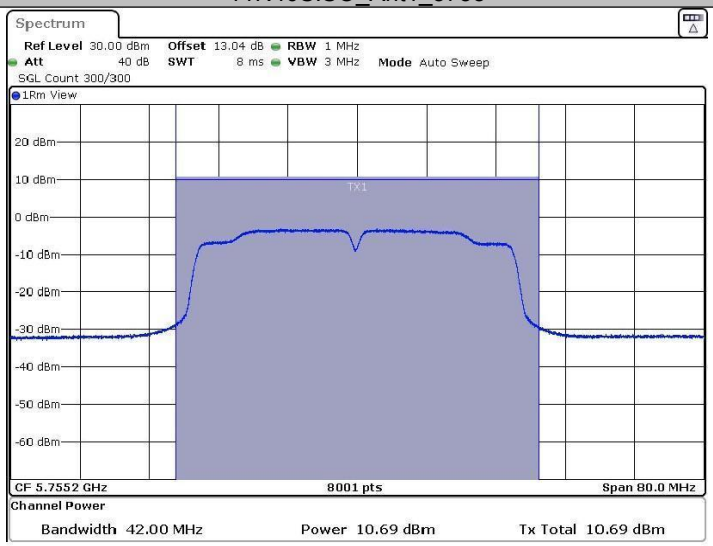
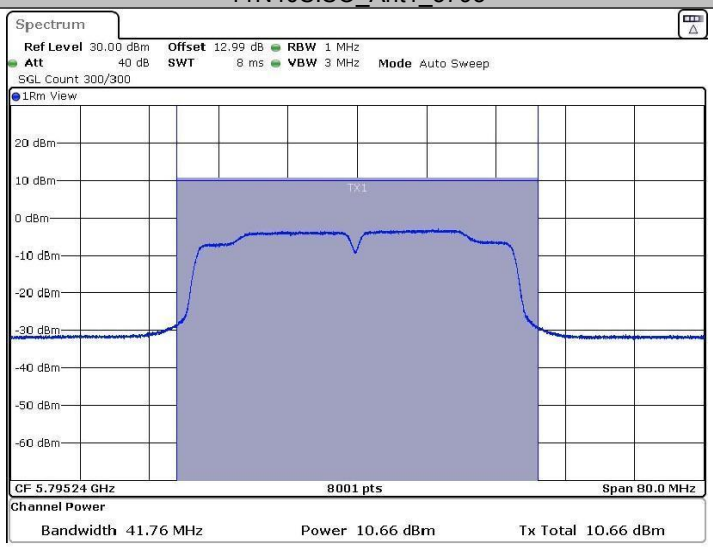



11N40SISO_Ant1_5795



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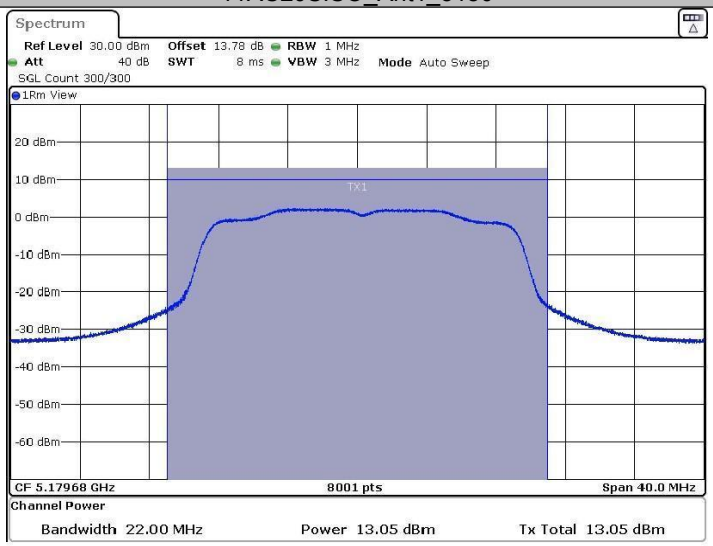
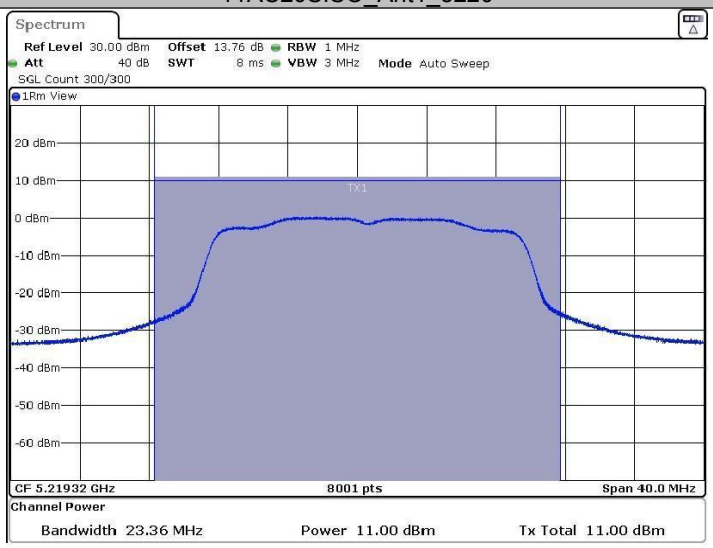
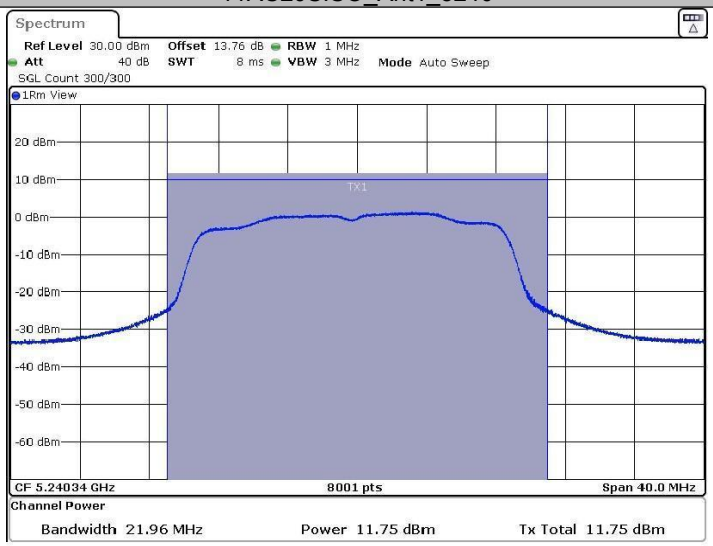


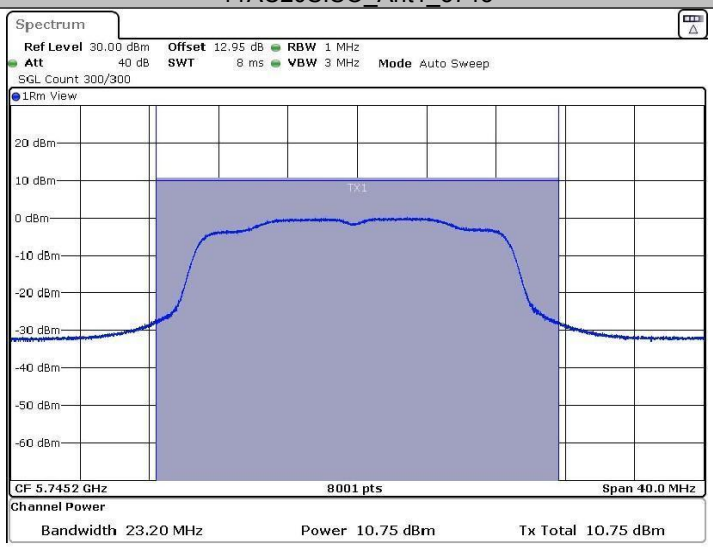

11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240




11AC20SISO_Ant1_5745



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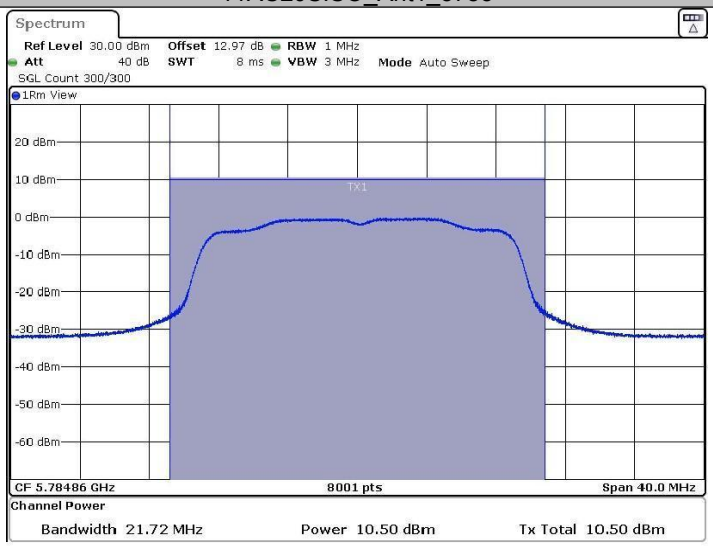
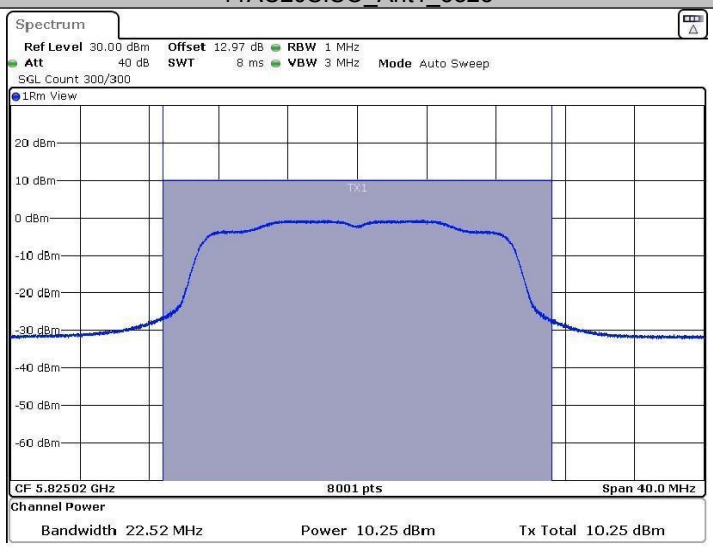



11AC20SISO_Ant1_5825



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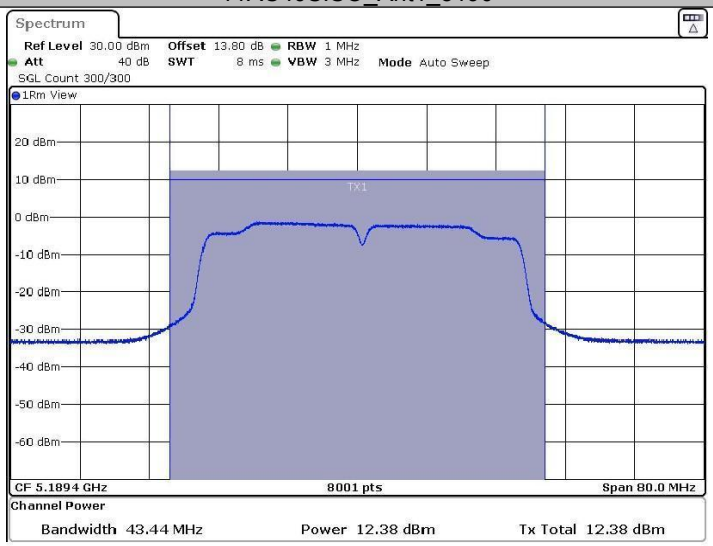


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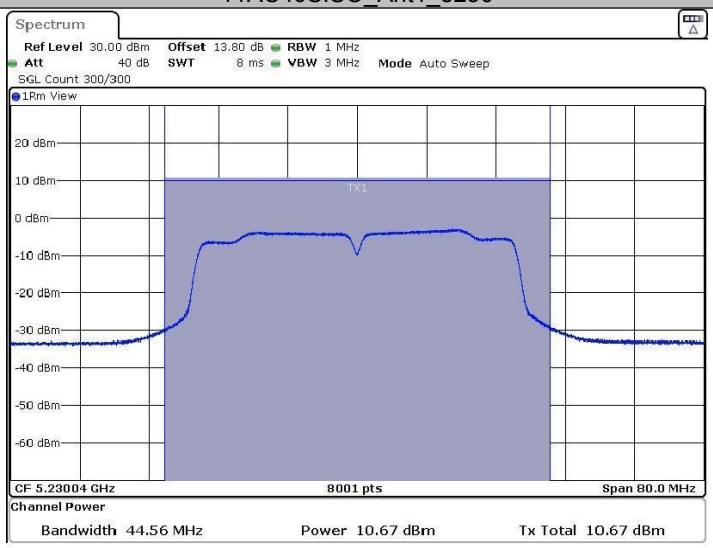

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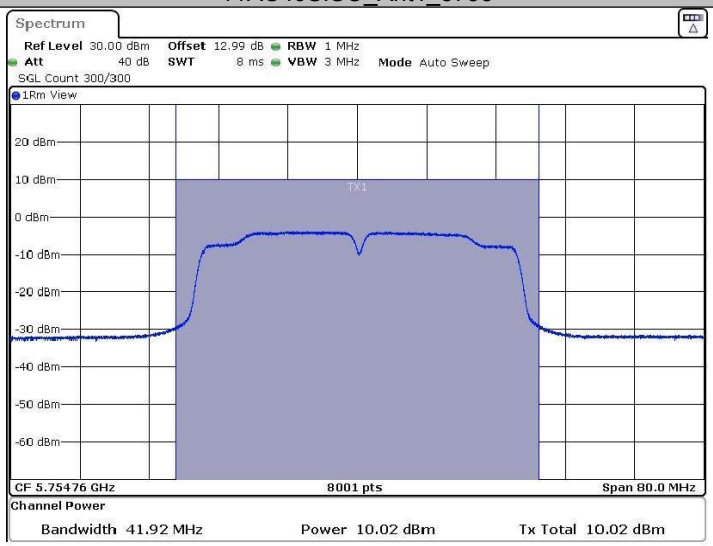
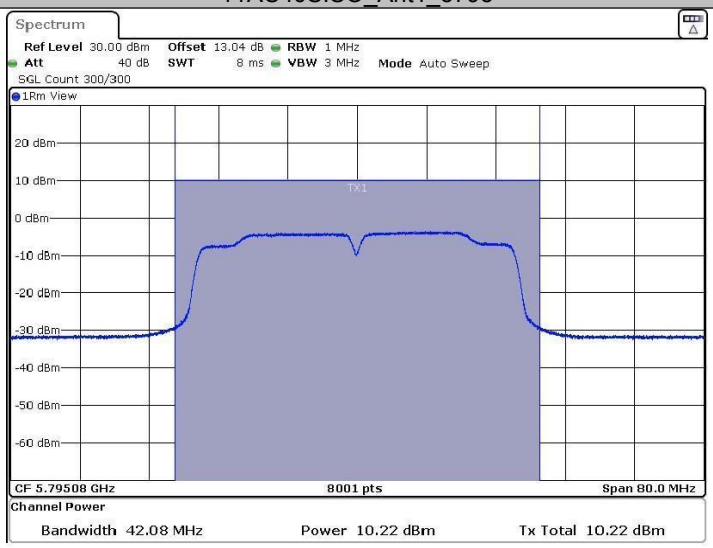



11AC40SISO_Ant1_5795



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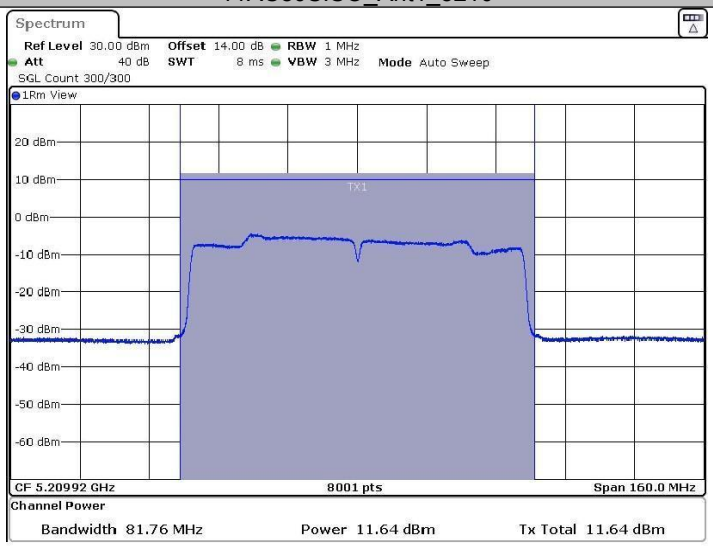


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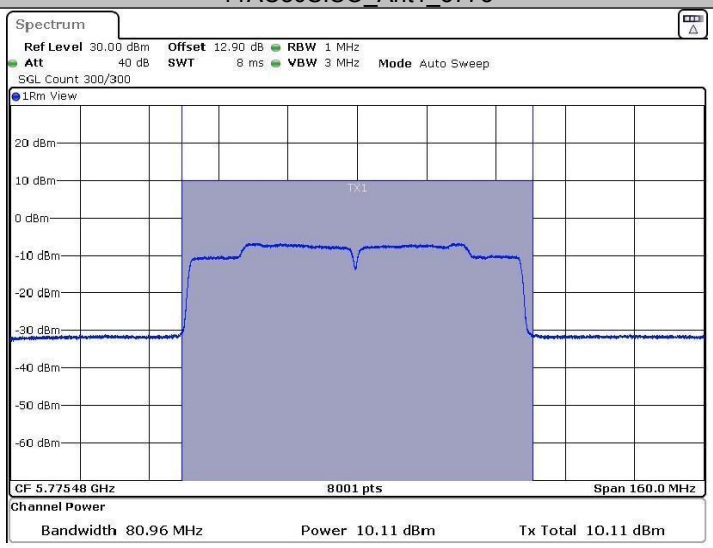


**Ant2**

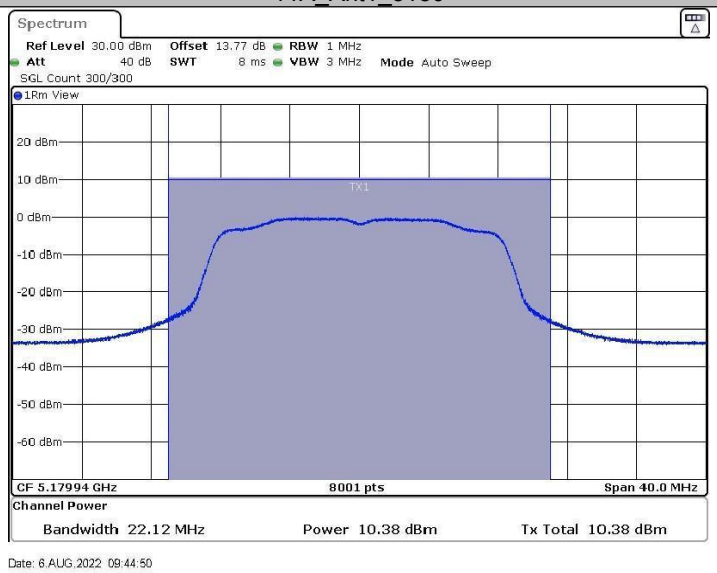
**Measurement Data**

| Test Mode | Antenna | Channel | Meas.Level [dBm] | Av.Power [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|
| 11A | Ant2 | 5180 | 10.38 | 10.44 | 24 | PASS |
| 11A | Ant2 | 5220 | 10.26 | 10.30 | 24 | PASS |
| 11A | Ant2 | 5240 | 11.46 | 11.52 | 24 | PASS |
| 11A | Ant2 | 5745 | 10.36 | 10.42 | 30 | PASS |
| 11A | Ant2 | 5785 | 10.07 | 10.13 | 30 | PASS |
| 11A | Ant2 | 5825 | 10.83 | 10.87 | 30 | PASS |
| 11N20 | Ant2 | 5180 | 12.94 | 12.99 | 24 | PASS |
| 11N20 | Ant2 | 5220 | 10.83 | 10.88 | 24 | PASS |
| 11N20 | Ant2 | 5240 | 11.70 | 11.77 | 24 | PASS |
| 11N20 | Ant2 | 5745 | 10.67 | 10.74 | 30 | PASS |
| 11N20 | Ant2 | 5785 | 10.78 | 10.85 | 30 | PASS |
| 11N20 | Ant2 | 5825 | 10.62 | 10.69 | 30 | PASS |
| 11N40 | Ant2 | 5190 | 12.49 | 12.63 | 24 | PASS |
| 11N40 | Ant2 | 5230 | 11.18 | 11.32 | 24 | PASS |
| 11N40 | Ant2 | 5755 | 10.69 | 10.83 | 30 | PASS |
| 11N40 | Ant2 | 5795 | 10.66 | 10.75 | 30 | PASS |
| 11AC20 | Ant2 | 5180 | 13.05 | 13.12 | 24 | PASS |
| 11AC20 | Ant2 | 5220 | 11.00 | 11.05 | 24 | PASS |
| 11AC20 | Ant2 | 5240 | 11.75 | 11.80 | 24 | PASS |
| 11AC20 | Ant2 | 5745 | 10.75 | 10.80 | 30 | PASS |
| 11AC20 | Ant2 | 5785 | 10.50 | 10.57 | 30 | PASS |
| 11AC20 | Ant2 | 5825 | 10.25 | 10.32 | 30 | PASS |
| 11AC40 | Ant2 | 5190 | 12.38 | 12.47 | 24 | PASS |
| 11AC40 | Ant2 | 5230 | 10.67 | 10.76 | 24 | PASS |
| 11AC40 | Ant2 | 5755 | 10.02 | 10.11 | 30 | PASS |
| 11AC40 | Ant2 | 5795 | 10.22 | 10.36 | 30 | PASS |
| 11AC80 | Ant2 | 5210 | 11.64 | 11.93 | 24 | PASS |
| 11AC80 | Ant2 | 5775 | 10.11 | 10.16 | 30 | PASS |

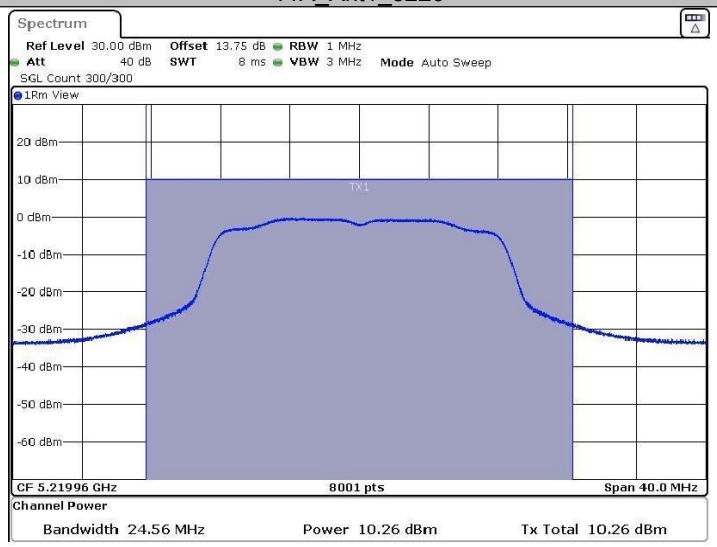
Remark:
Av.Power=Meas.Level+10 log (1/duty cycle)
E.i.r.p=Av.Power+G,
G = antenna gain in dBi.

## Test Graphs

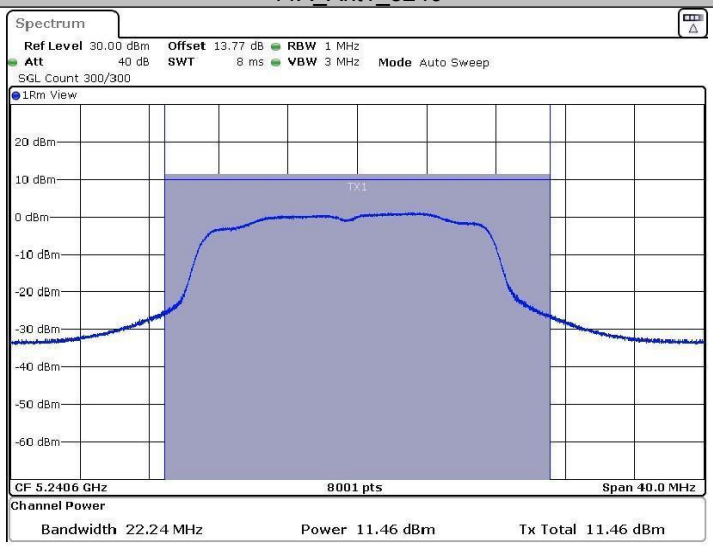
11A_Ant1_5180



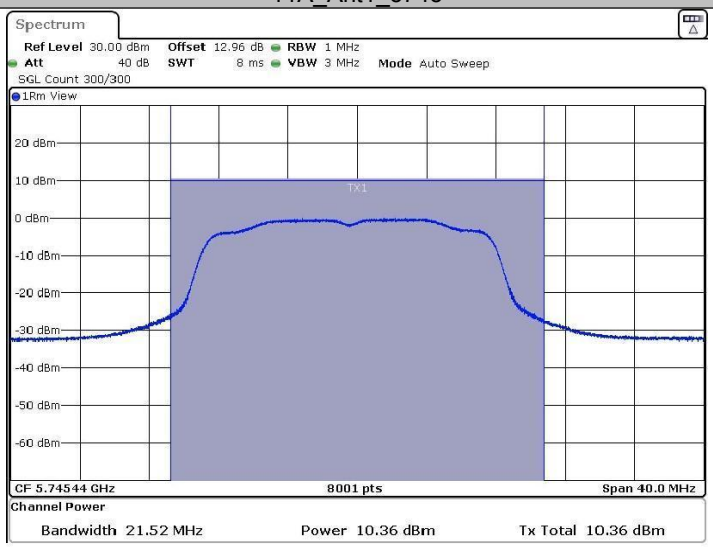

11A_Ant1_5220



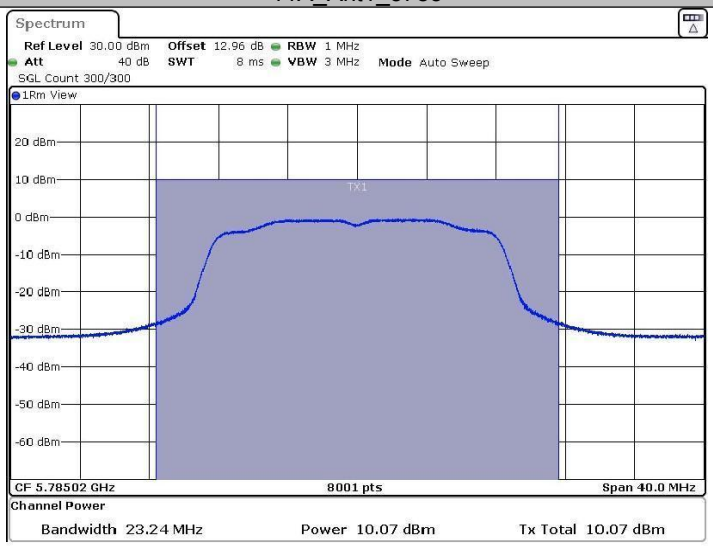
11A_Ant1_5240




11A_Ant1_5745



11A_Ant1_5785

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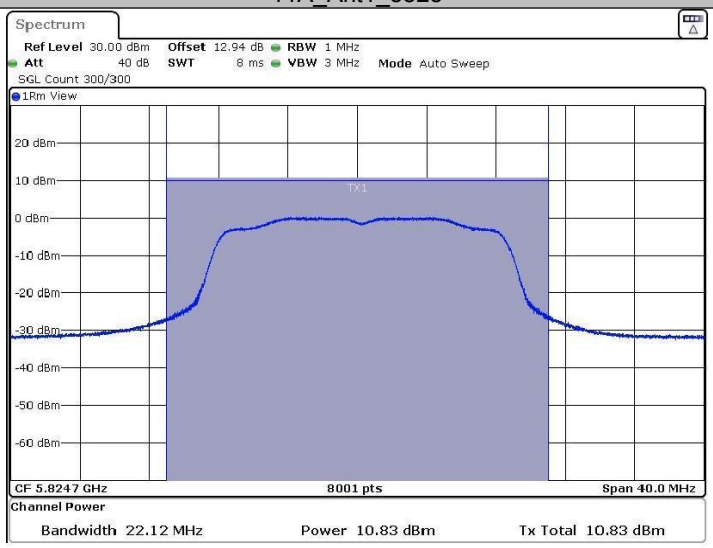


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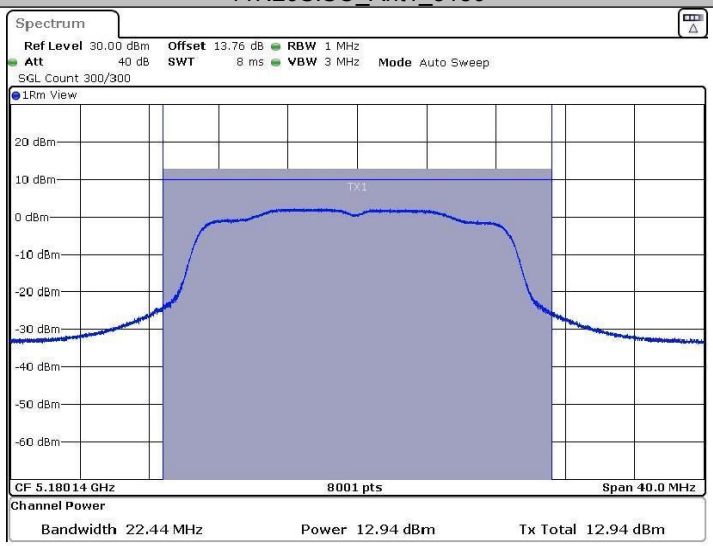


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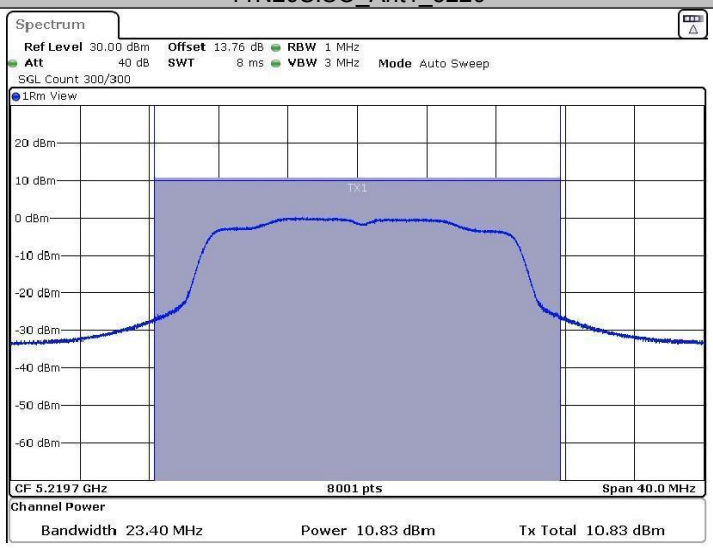


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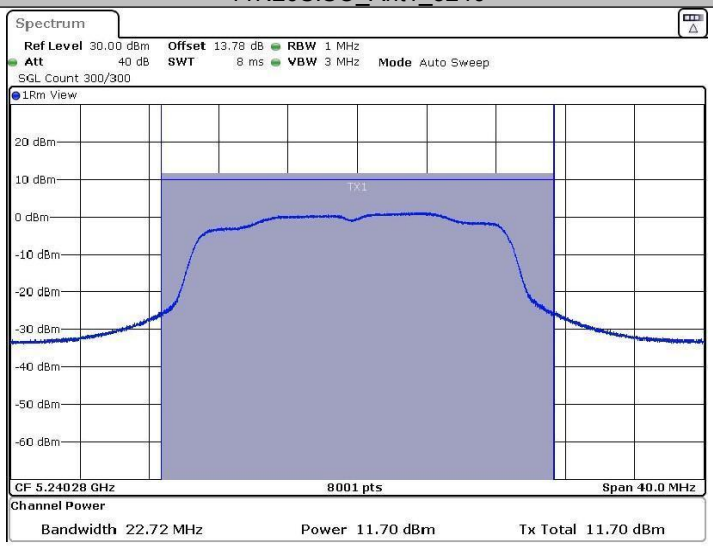


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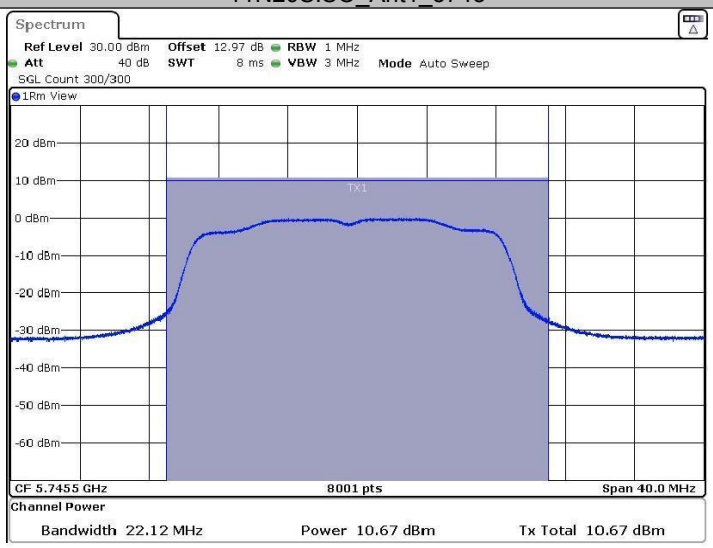
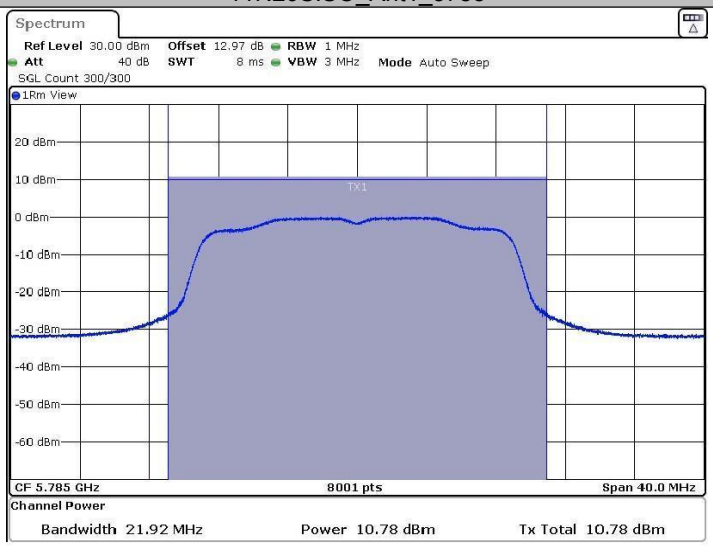
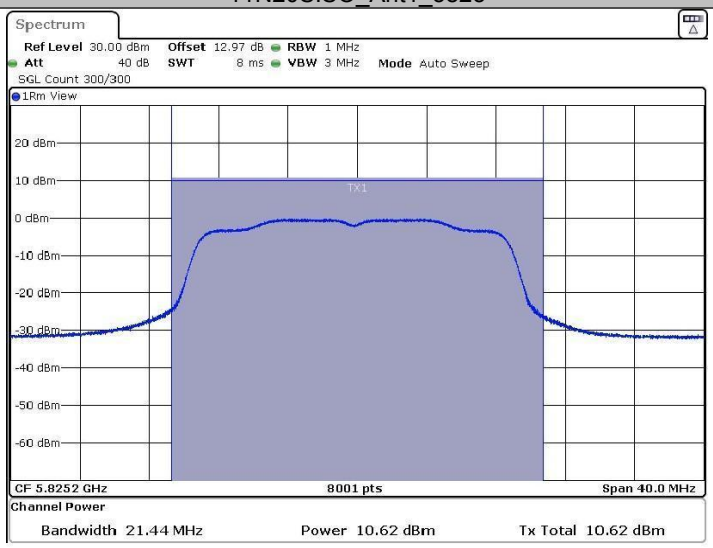


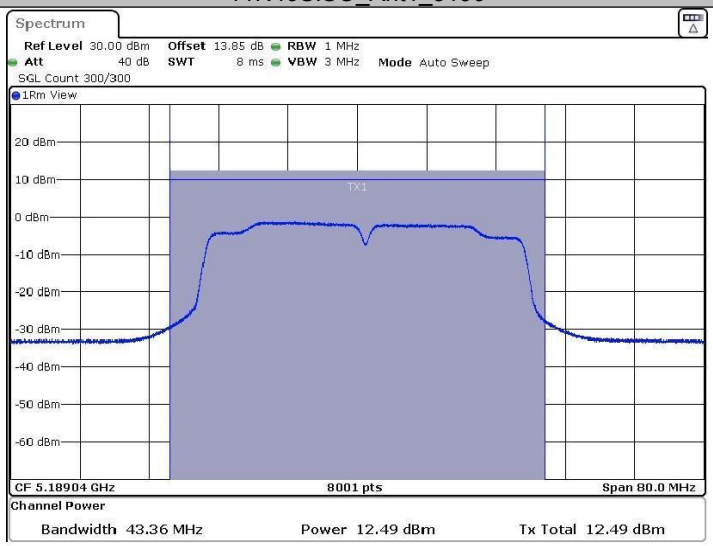
11N20SISO_Ant1_5785



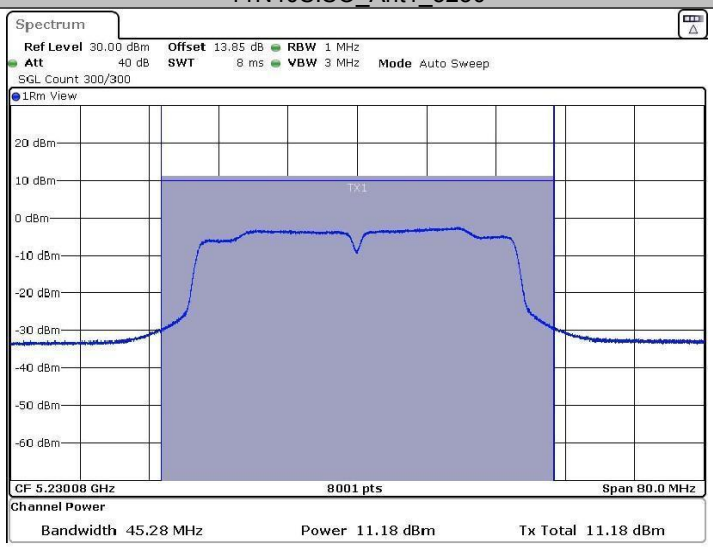

11N20SISO_Ant1_5825



11N40SISO_Ant1_5190




11N40SISO_Ant1_5230



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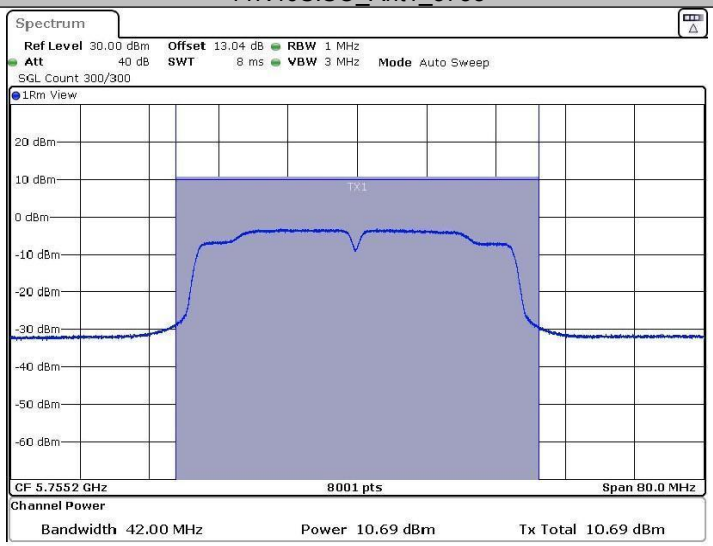
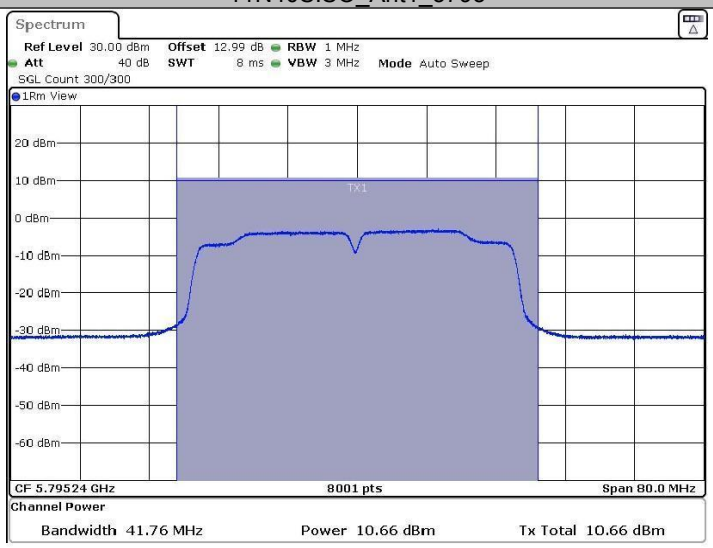



11N40SISO_Ant1_5795



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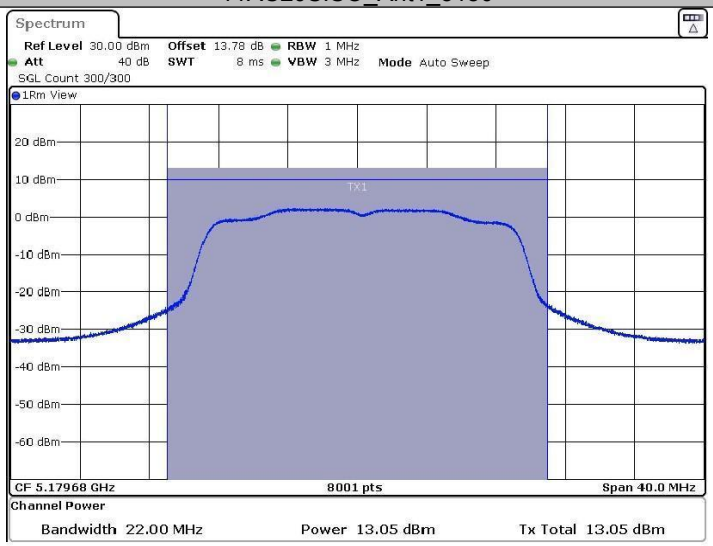


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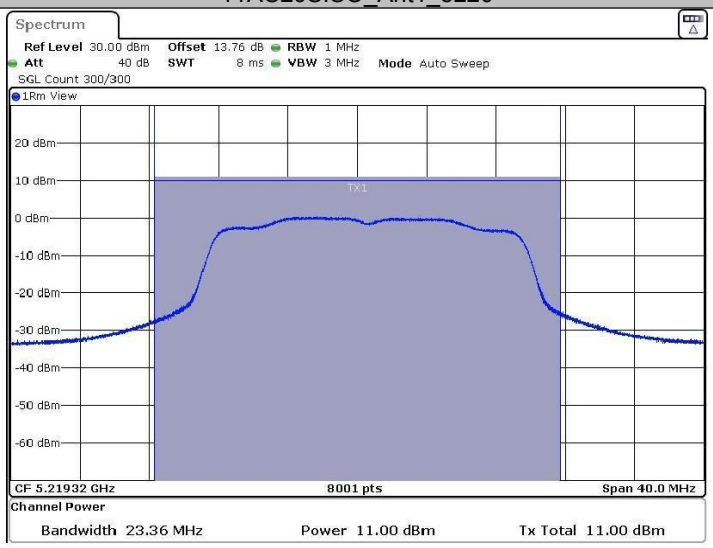


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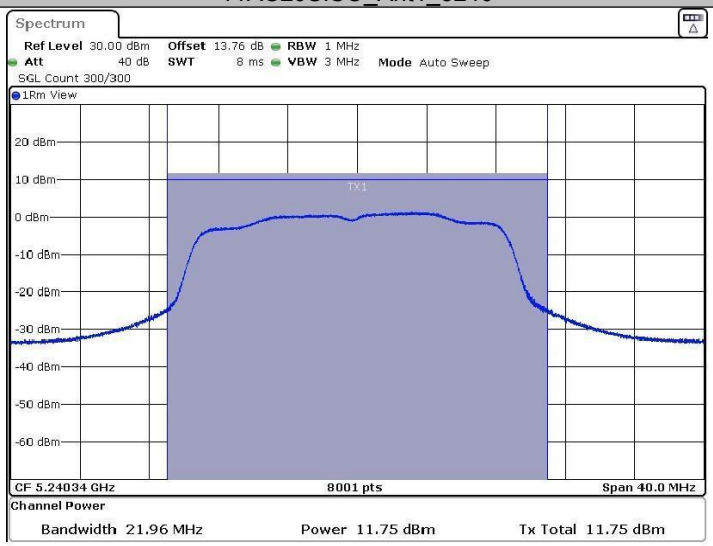


11AC20SISO_Ant1_5745