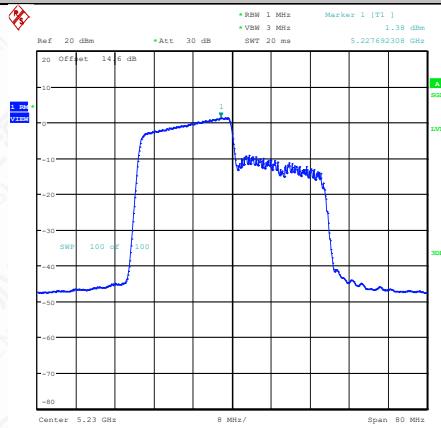
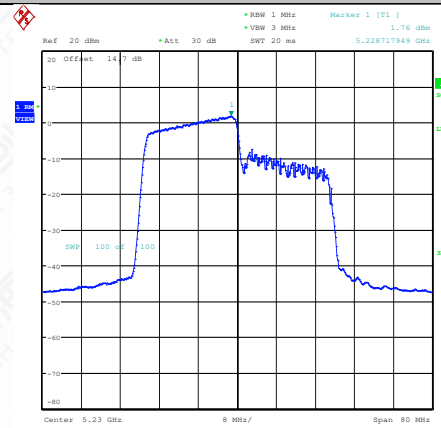


11AX40MIMO-Ant1-5230-242Tone-RU61-PASS



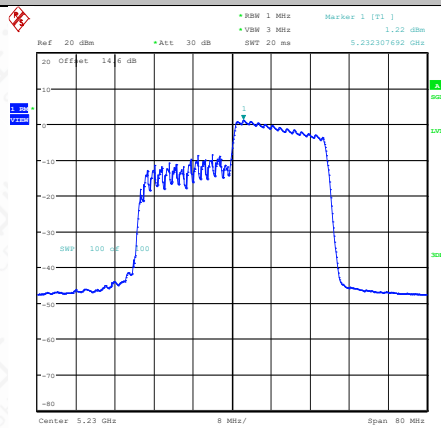
Date: 8.SEP.2024 15:58:27

11AX40MIMO-Ant2-5230-242Tone-RU61-PASS



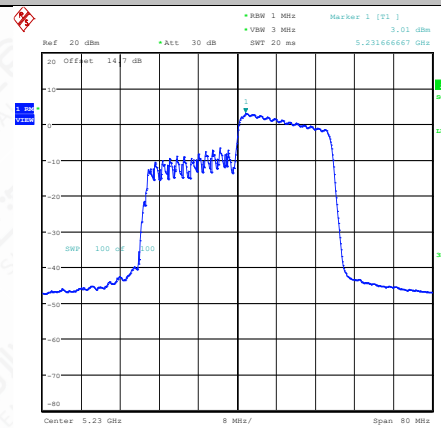
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11AX40MIMO-Ant1-5230-242Tone-RU62-PASS



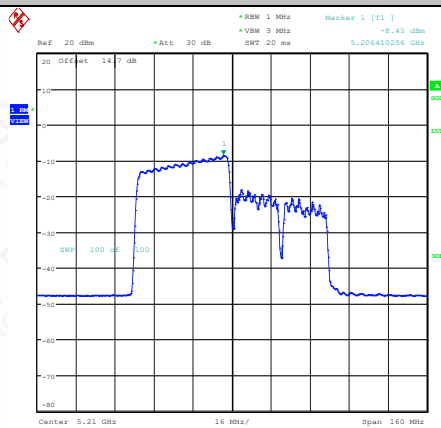
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11AX40MIMO-Ant2-5230-242Tone-RU62-PASS



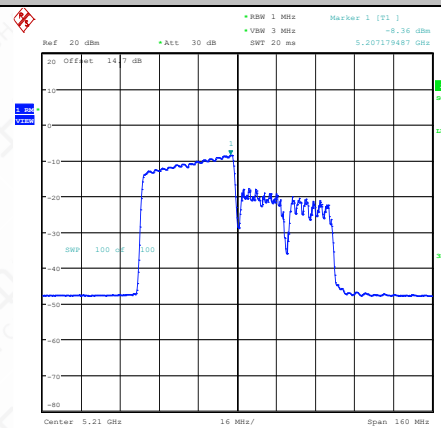
Date: 8.SEP.2024 16:13:29

11AX80SISO-Ant1-5210-484Tone-RU65-PASS

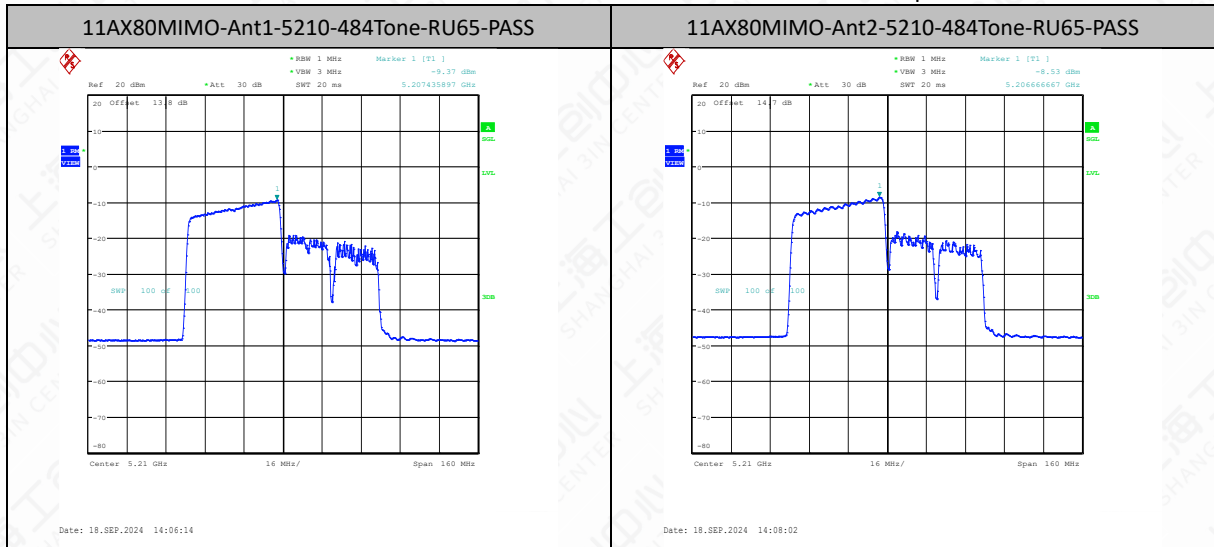


Date: 18.SEP.2024 11:29:37

11AX80SISO-Ant2-5210-484Tone-RU65-PASS



Date: 18.SEP.2024 11:37:10



## 6.4. Occupied 26dB Bandwidth(conducted)

### 6.4.1 Measurement Limit

| Standard                  | Limit(MHz) |
|---------------------------|------------|
| FCC 47 CFR Part 15.407(a) | N/A        |

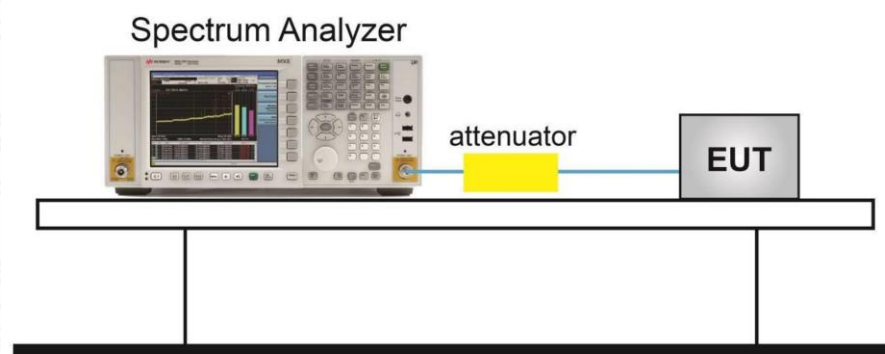
### 6.4.2 Test Procedure

The measurement method is made according to KDB 789033 C

1. Set RBW = approximately 1% of the emission bandwidth
2. Set the VBW > RBW
3. Detector = Peak.
4. Trace mode = max hold.
5. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.

Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

### 6.4.3 Test Setup



### 6.4.4 Measurement Results

| TestMode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|----------------|----------------|---------|---------|------------|---------|
| 11A      | Ant1    | 5180           | 19.80          | 5170.12 | 5189.92 | ---        | ---     |
| 11A      | Ant2    | 5180           | 19.80          | 5170.12 | 5189.92 | ---        | ---     |
| 11A      | Ant1    | 5200           | 19.80          | 5190.08 | 5209.88 | ---        | ---     |
| 11A      | Ant2    | 5200           | 20.16          | 5189.92 | 5210.08 | ---        | ---     |
| 11A      | Ant1    | 5240           | 19.80          | 5230.12 | 5249.92 | ---        | ---     |
| 11A      | Ant2    | 5240           | 19.84          | 5230.00 | 5249.84 | ---        | ---     |
| 11A-CDD  | Ant1    | 5180           | 20.00          | 5170.08 | 5190.08 | ---        | ---     |
| 11A-CDD  | Ant2    | 5180           | 19.72          | 5170.16 | 5189.88 | ---        | ---     |
| 11A-CDD  | Ant1    | 5200           | 19.84          | 5190.04 | 5209.88 | ---        | ---     |



|            |      |      |       |         |         |     |     |
|------------|------|------|-------|---------|---------|-----|-----|
| 11A-CDD    | Ant2 | 5200 | 19.56 | 5190.28 | 5209.84 | --- | --- |
| 11A-CDD    | Ant1 | 5240 | 19.96 | 5230.04 | 5250.00 | --- | --- |
| 11A-CDD    | Ant2 | 5240 | 19.72 | 5230.12 | 5249.84 | --- | --- |
| 11AC20SISO | Ant1 | 5180 | 20.20 | 5169.92 | 5190.12 | --- | --- |
| 11AC20SISO | Ant2 | 5180 | 20.24 | 5169.92 | 5190.16 | --- | --- |
| 11AC20SISO | Ant1 | 5200 | 20.24 | 5189.96 | 5210.20 | --- | --- |
| 11AC20SISO | Ant2 | 5200 | 20.28 | 5189.88 | 5210.16 | --- | --- |
| 11AC20SISO | Ant1 | 5240 | 20.24 | 5229.84 | 5250.08 | --- | --- |
| 11AC20SISO | Ant2 | 5240 | 20.24 | 5229.92 | 5250.16 | --- | --- |
| 11AC20MIMO | Ant1 | 5180 | 20.28 | 5169.92 | 5190.20 | --- | --- |
| 11AC20MIMO | Ant2 | 5180 | 20.00 | 5170.00 | 5190.00 | --- | --- |
| 11AC20MIMO | Ant1 | 5200 | 20.24 | 5189.92 | 5210.16 | --- | --- |
| 11AC20MIMO | Ant2 | 5200 | 20.12 | 5189.96 | 5210.08 | --- | --- |
| 11AC20MIMO | Ant1 | 5240 | 20.24 | 5229.88 | 5250.12 | --- | --- |
| 11AC20MIMO | Ant2 | 5240 | 20.08 | 5229.96 | 5250.04 | --- | --- |
| 11AC40SISO | Ant1 | 5190 | 40.80 | 5169.60 | 5210.40 | --- | --- |
| 11AC40SISO | Ant2 | 5190 | 40.48 | 5169.76 | 5210.24 | --- | --- |
| 11AC40SISO | Ant1 | 5230 | 40.72 | 5209.60 | 5250.32 | --- | --- |
| 11AC40SISO | Ant2 | 5230 | 40.64 | 5209.84 | 5250.48 | --- | --- |
| 11AC40MIMO | Ant1 | 5190 | 40.64 | 5169.68 | 5210.32 | --- | --- |
| 11AC40MIMO | Ant2 | 5190 | 40.16 | 5169.84 | 5210.00 | --- | --- |
| 11AC40MIMO | Ant1 | 5230 | 40.64 | 5209.84 | 5250.48 | --- | --- |
| 11AC40MIMO | Ant2 | 5230 | 40.48 | 5209.92 | 5250.40 | --- | --- |
| 11AC80SISO | Ant1 | 5210 | 80.64 | 5169.68 | 5250.32 | --- | --- |
| 11AC80SISO | Ant2 | 5210 | 80.48 | 5169.84 | 5250.32 | --- | --- |
| 11AC80MIMO | Ant1 | 5210 | 80.48 | 5169.84 | 5250.32 | --- | --- |
| 11AC80MIMO | Ant2 | 5210 | 80.16 | 5170.00 | 5250.16 | --- | --- |
| 11AX20SISO | Ant1 | 5180 | 24.40 | 5167.64 | 5192.04 | --- | --- |
| 11AX20SISO | Ant2 | 5180 | 22.80 | 5168.68 | 5191.48 | --- | --- |
| 11AX20SISO | Ant1 | 5200 | 23.32 | 5187.56 | 5210.88 | --- | --- |
| 11AX20SISO | Ant2 | 5200 | 24.44 | 5187.20 | 5211.64 | --- | --- |
| 11AX20SISO | Ant1 | 5240 | 19.92 | 5230.04 | 5249.96 | --- | --- |
| 11AX20SISO | Ant2 | 5240 | 19.96 | 5230.04 | 5250.00 | --- | --- |
| 11AX20MIMO | Ant1 | 5180 | 26.08 | 5167.16 | 5193.24 | --- | --- |
| 11AX20MIMO | Ant2 | 5180 | 22.36 | 5168.64 | 5191.00 | --- | --- |
| 11AX20MIMO | Ant1 | 5200 | 29.88 | 5183.48 | 5213.36 | --- | --- |
| 11AX20MIMO | Ant2 | 5200 | 24.68 | 5188.20 | 5212.88 | --- | --- |
| 11AX20MIMO | Ant1 | 5240 | 19.92 | 5230.04 | 5249.96 | --- | --- |
| 11AX20MIMO | Ant2 | 5240 | 19.92 | 5230.04 | 5249.96 | --- | --- |
| 11AX40SISO | Ant1 | 5190 | 40.00 | 5170.00 | 5210.00 | --- | --- |
| 11AX40SISO | Ant2 | 5190 | 39.76 | 5170.16 | 5209.92 | --- | --- |
| 11AX40SISO | Ant1 | 5230 | 39.92 | 5210.08 | 5250.00 | --- | --- |

|            |      |      |       |         |         |     |     |
|------------|------|------|-------|---------|---------|-----|-----|
| 11AX40SISO | Ant2 | 5230 | 39.84 | 5210.16 | 5250.00 | --- | --- |
| 11AX40MIMO | Ant1 | 5190 | 39.68 | 5170.16 | 5209.84 | --- | --- |
| 11AX40MIMO | Ant2 | 5190 | 39.84 | 5170.08 | 5209.92 | --- | --- |
| 11AX40MIMO | Ant1 | 5230 | 39.76 | 5210.16 | 5249.92 | --- | --- |
| 11AX40MIMO | Ant2 | 5230 | 39.84 | 5210.08 | 5249.92 | --- | --- |
| 11AX80SISO | Ant1 | 5210 | 80.80 | 5169.68 | 5250.48 | --- | --- |
| 11AX80SISO | Ant2 | 5210 | 80.80 | 5169.68 | 5250.48 | --- | --- |
| 11AX80MIMO | Ant1 | 5210 | 80.96 | 5169.52 | 5250.48 | --- | --- |
| 11AX80MIMO | Ant2 | 5210 | 80.96 | 5169.52 | 5250.48 | --- | --- |

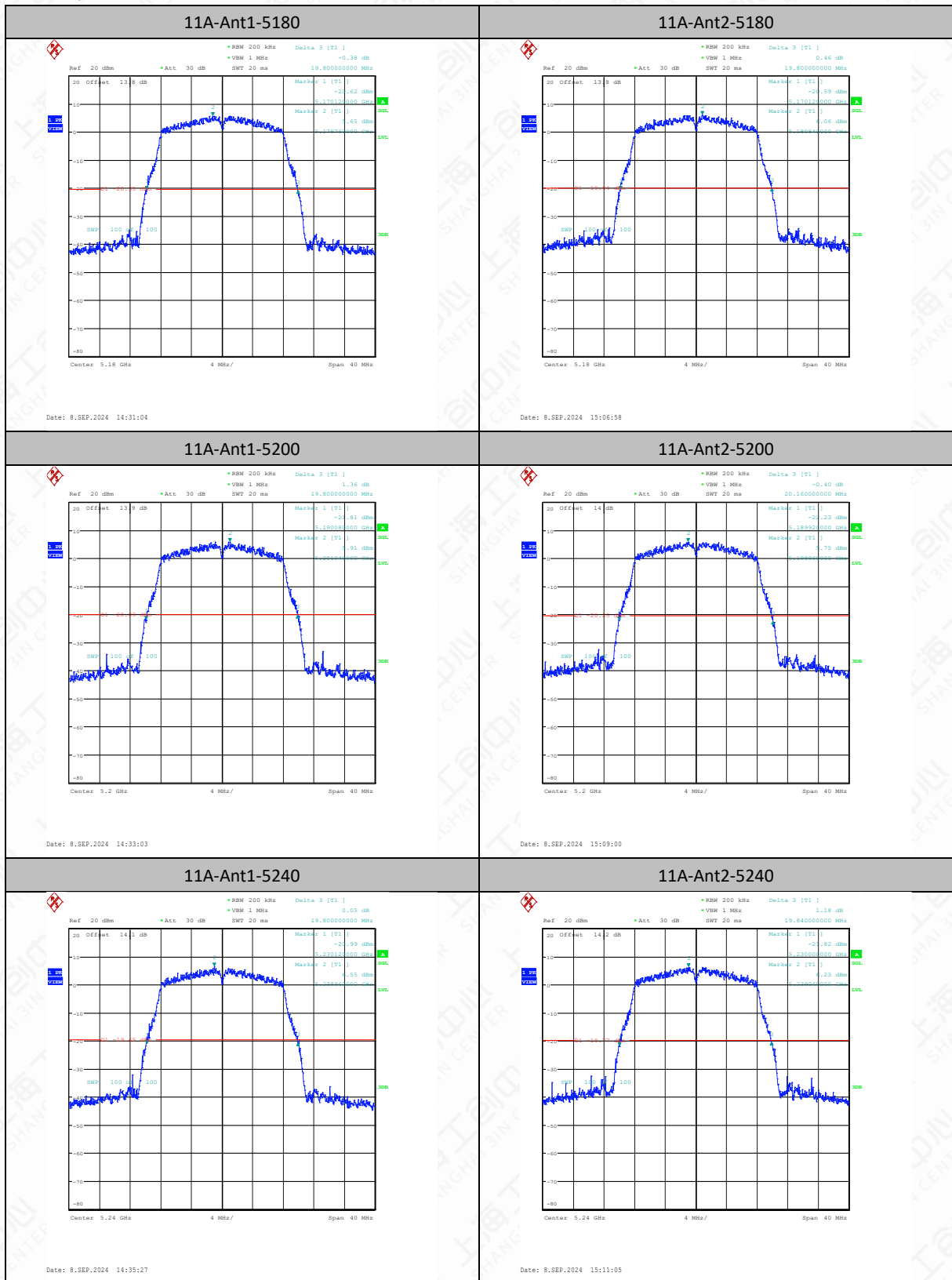
**AX Part RU\_Multi-User**

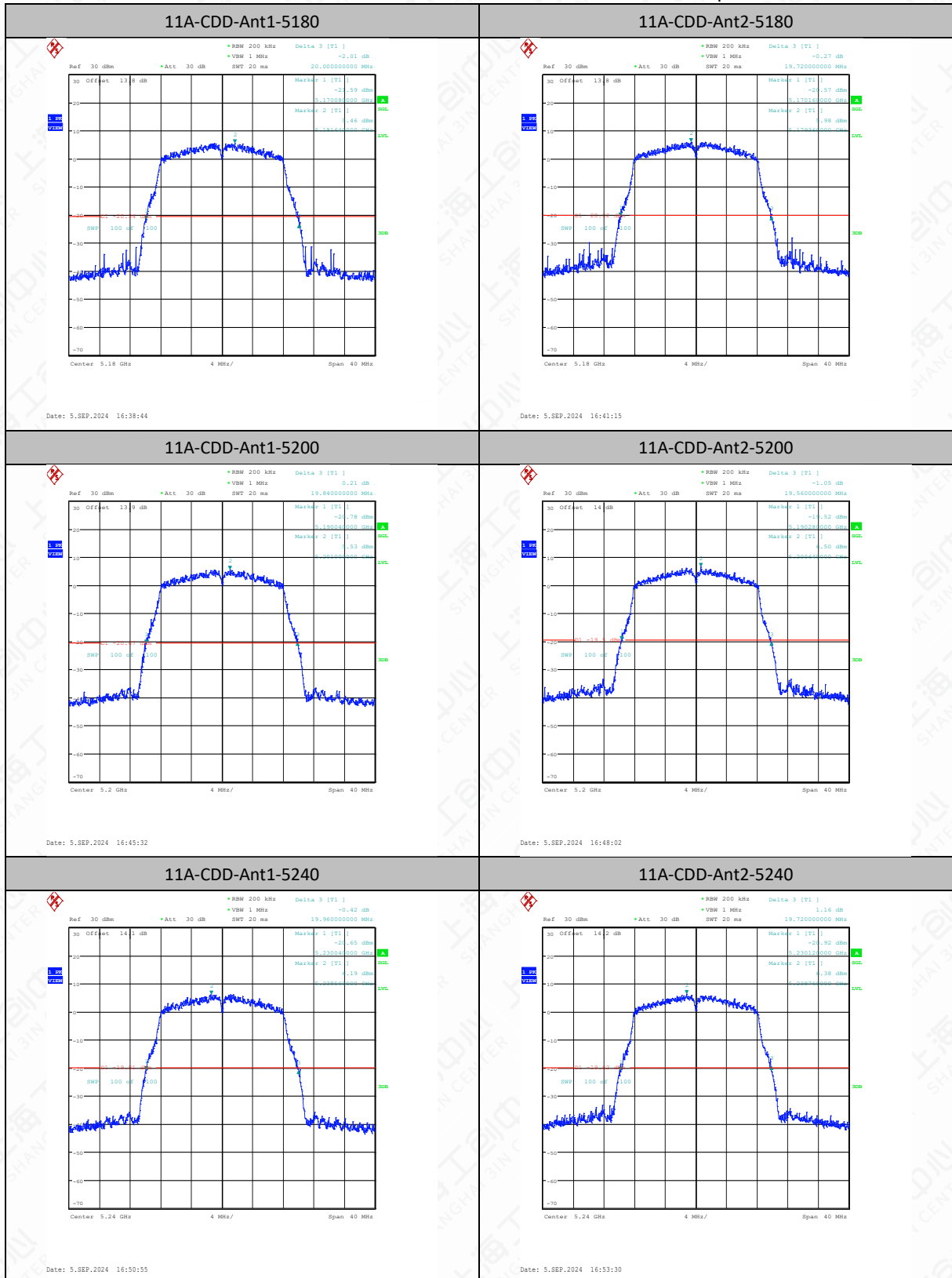
| TestMode   | Antenna | Frequency [MHz] | RuSize  | RuIndex | 26db BW [MHz] | FL[MHz] | FH[MHz] | Limit [MHz] | Verdict |
|------------|---------|-----------------|---------|---------|---------------|---------|---------|-------------|---------|
| 11AX20SISO | Ant1    | 5180            | 26Tone  | RU0     | 20.68         | 5168.52 | 5189.20 | ---         | ---     |
| 11AX20SISO | Ant2    | 5180            | 26Tone  | RU0     | 20.60         | 5168.64 | 5189.24 | ---         | ---     |
| 11AX20SISO | Ant1    | 5180            | 52Tone  | RU37    | 21.48         | 5167.96 | 5189.44 | ---         | ---     |
| 11AX20SISO | Ant2    | 5180            | 52Tone  | RU37    | 20.64         | 5168.68 | 5189.32 | ---         | ---     |
| 11AX20SISO | Ant1    | 5180            | 106Tone | RU53    | 20.88         | 5168.56 | 5189.44 | ---         | ---     |
| 11AX20SISO | Ant2    | 5180            | 106Tone | RU53    | 20.64         | 5168.80 | 5189.44 | ---         | ---     |
| 11AX20SISO | Ant1    | 5200            | 26Tone  | RU0     | 20.76         | 5188.44 | 5209.20 | ---         | ---     |
| 11AX20SISO | Ant2    | 5200            | 26Tone  | RU0     | 21.92         | 5187.32 | 5209.24 | ---         | ---     |
| 11AX20SISO | Ant1    | 5200            | 52Tone  | RU37    | 21.04         | 5188.48 | 5209.52 | ---         | ---     |
| 11AX20SISO | Ant2    | 5200            | 52Tone  | RU37    | 21.20         | 5188.20 | 5209.40 | ---         | ---     |
| 11AX20SISO | Ant1    | 5200            | 106Tone | RU53    | 21.52         | 5187.92 | 5209.44 | ---         | ---     |
| 11AX20SISO | Ant2    | 5200            | 106Tone | RU53    | 20.64         | 5189.04 | 5209.68 | ---         | ---     |
| 11AX20SISO | Ant1    | 5240            | 26Tone  | RU0     | 19.84         | 5230.04 | 5249.88 | ---         | ---     |
| 11AX20SISO | Ant2    | 5240            | 26Tone  | RU0     | 19.84         | 5230.04 | 5249.88 | ---         | ---     |
| 11AX20SISO | Ant1    | 5240            | 52Tone  | RU37    | 19.68         | 5230.08 | 5249.76 | ---         | ---     |
| 11AX20SISO | Ant2    | 5240            | 52Tone  | RU37    | 19.76         | 5230.08 | 5249.84 | ---         | ---     |
| 11AX20SISO | Ant1    | 5240            | 106Tone | RU53    | 19.64         | 5230.04 | 5249.68 | ---         | ---     |
| 11AX20SISO | Ant2    | 5240            | 106Tone | RU53    | 19.60         | 5230.04 | 5249.64 | ---         | ---     |
| 11AX20MIMO | Ant1    | 5180            | 26Tone  | RU0     | 20.80         | 5168.60 | 5189.40 | ---         | ---     |
| 11AX20MIMO | Ant2    | 5180            | 26Tone  | RU0     | 20.48         | 5168.76 | 5189.24 | ---         | ---     |
| 11AX20MIMO | Ant1    | 5180            | 52Tone  | RU37    | 21.40         | 5167.96 | 5189.36 | ---         | ---     |
| 11AX20MIMO | Ant2    | 5180            | 52Tone  | RU37    | 21.56         | 5167.80 | 5189.36 | ---         | ---     |
| 11AX20MIMO | Ant1    | 5180            | 106Tone | RU53    | 20.76         | 5168.60 | 5189.36 | ---         | ---     |
| 11AX20MIMO | Ant2    | 5180            | 106Tone | RU53    | 20.56         | 5168.88 | 5189.44 | ---         | ---     |
| 11AX20MIMO | Ant1    | 5200            | 26Tone  | RU0     | 20.64         | 5188.68 | 5209.32 | ---         | ---     |
| 11AX20MIMO | Ant2    | 5200            | 26Tone  | RU0     | 20.80         | 5188.44 | 5209.24 | ---         | ---     |
| 11AX20MIMO | Ant1    | 5200            | 52Tone  | RU37    | 21.92         | 5187.44 | 5209.36 | ---         | ---     |
| 11AX20MIMO | Ant2    | 5200            | 52Tone  | RU37    | 21.16         | 5188.20 | 5209.36 | ---         | ---     |
| 11AX20MIMO | Ant1    | 5200            | 106Tone | RU53    | 21.12         | 5188.20 | 5209.32 | ---         | ---     |



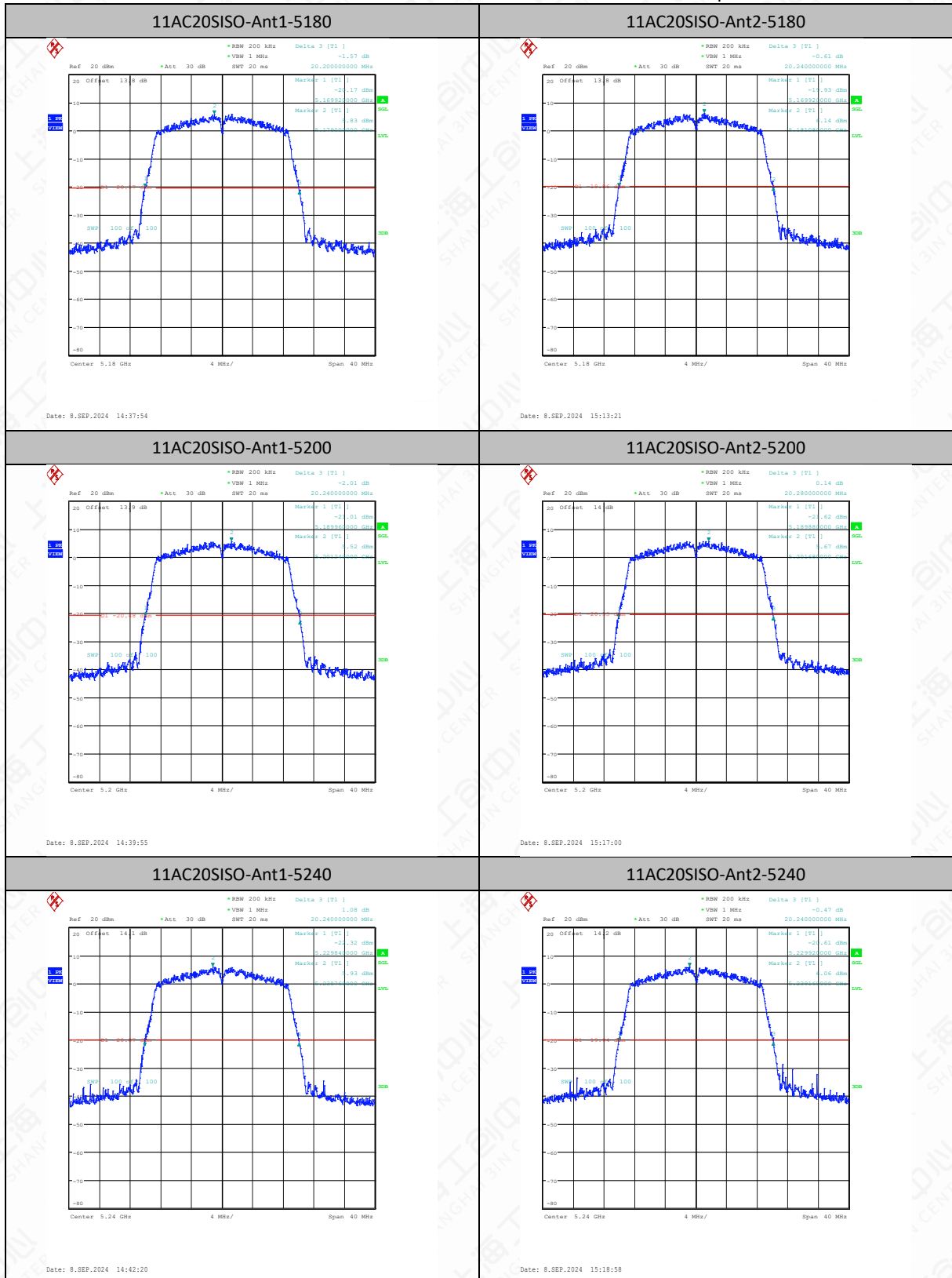
|            |      |      |         |      |       |         |         |     |     |
|------------|------|------|---------|------|-------|---------|---------|-----|-----|
| 11AX20MIMO | Ant2 | 5200 | 106Tone | RU53 | 20.88 | 5188.52 | 5209.40 | --- | --- |
| 11AX20MIMO | Ant1 | 5240 | 26Tone  | RU0  | 19.80 | 5230.00 | 5249.80 | --- | --- |
| 11AX20MIMO | Ant2 | 5240 | 26Tone  | RU0  | 19.80 | 5230.00 | 5249.80 | --- | --- |
| 11AX20MIMO | Ant1 | 5240 | 52Tone  | RU37 | 19.76 | 5230.04 | 5249.80 | --- | --- |
| 11AX20MIMO | Ant2 | 5240 | 52Tone  | RU37 | 19.68 | 5230.08 | 5249.76 | --- | --- |
| 11AX20MIMO | Ant1 | 5240 | 106Tone | RU53 | 19.68 | 5230.04 | 5249.72 | --- | --- |
| 11AX20MIMO | Ant2 | 5240 | 106Tone | RU53 | 19.76 | 5230.04 | 5249.80 | --- | --- |
| 11AX40SISO | Ant1 | 5190 | 242Tone | RU61 | 39.52 | 5170.00 | 5209.52 | --- | --- |
| 11AX40SISO | Ant2 | 5190 | 242Tone | RU61 | 39.60 | 5170.08 | 5209.68 | --- | --- |
| 11AX40SISO | Ant1 | 5190 | 242Tone | RU62 | 39.52 | 5170.48 | 5210.00 | --- | --- |
| 11AX40SISO | Ant2 | 5190 | 242Tone | RU62 | 39.52 | 5170.40 | 5209.92 | --- | --- |
| 11AX40SISO | Ant1 | 5230 | 242Tone | RU61 | 39.52 | 5210.08 | 5249.60 | --- | --- |
| 11AX40SISO | Ant2 | 5230 | 242Tone | RU61 | 39.44 | 5210.08 | 5249.52 | --- | --- |
| 11AX40SISO | Ant1 | 5230 | 242Tone | RU62 | 39.36 | 5210.56 | 5249.92 | --- | --- |
| 11AX40SISO | Ant2 | 5230 | 242Tone | RU62 | 39.52 | 5210.40 | 5249.92 | --- | --- |
| 11AX40MIMO | Ant1 | 5190 | 242Tone | RU61 | 39.44 | 5170.16 | 5209.60 | --- | --- |
| 11AX40MIMO | Ant2 | 5190 | 242Tone | RU61 | 39.28 | 5170.24 | 5209.52 | --- | --- |
| 11AX40MIMO | Ant1 | 5190 | 242Tone | RU62 | 39.52 | 5170.56 | 5210.08 | --- | --- |
| 11AX40MIMO | Ant2 | 5190 | 242Tone | RU62 | 39.52 | 5170.56 | 5210.08 | --- | --- |
| 11AX40MIMO | Ant1 | 5230 | 242Tone | RU61 | 39.36 | 5210.24 | 5249.60 | --- | --- |
| 11AX40MIMO | Ant2 | 5230 | 242Tone | RU61 | 39.52 | 5210.16 | 5249.68 | --- | --- |
| 11AX40MIMO | Ant1 | 5230 | 242Tone | RU62 | 39.44 | 5210.64 | 5250.08 | --- | --- |
| 11AX40MIMO | Ant2 | 5230 | 242Tone | RU62 | 39.52 | 5210.64 | 5250.16 | --- | --- |
| 11AX80SISO | Ant1 | 5210 | 484Tone | RU65 | 80.48 | 5169.52 | 5250.00 | --- | --- |
| 11AX80SISO | Ant2 | 5210 | 484Tone | RU65 | 80.48 | 5169.52 | 5250.00 | --- | --- |
| 11AX80MIMO | Ant2 | 5210 | 484Tone | RU65 | 80.64 | 5169.52 | 5250.16 | --- | --- |
| 11AX80MIMO | Ant1 | 5210 | 484Tone | RU65 | 80.32 | 5169.68 | 5250.00 | --- | --- |

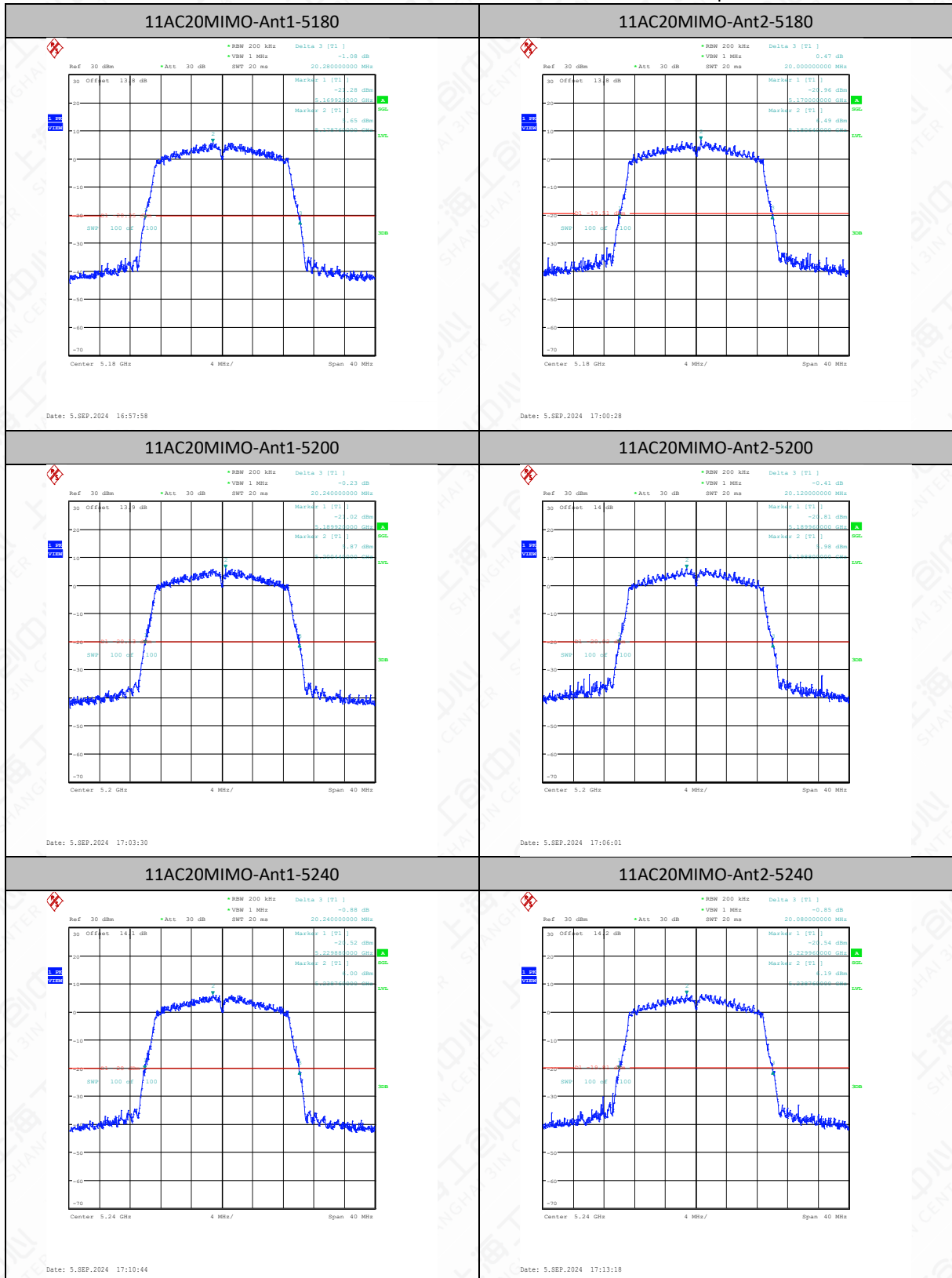
Test Graphs

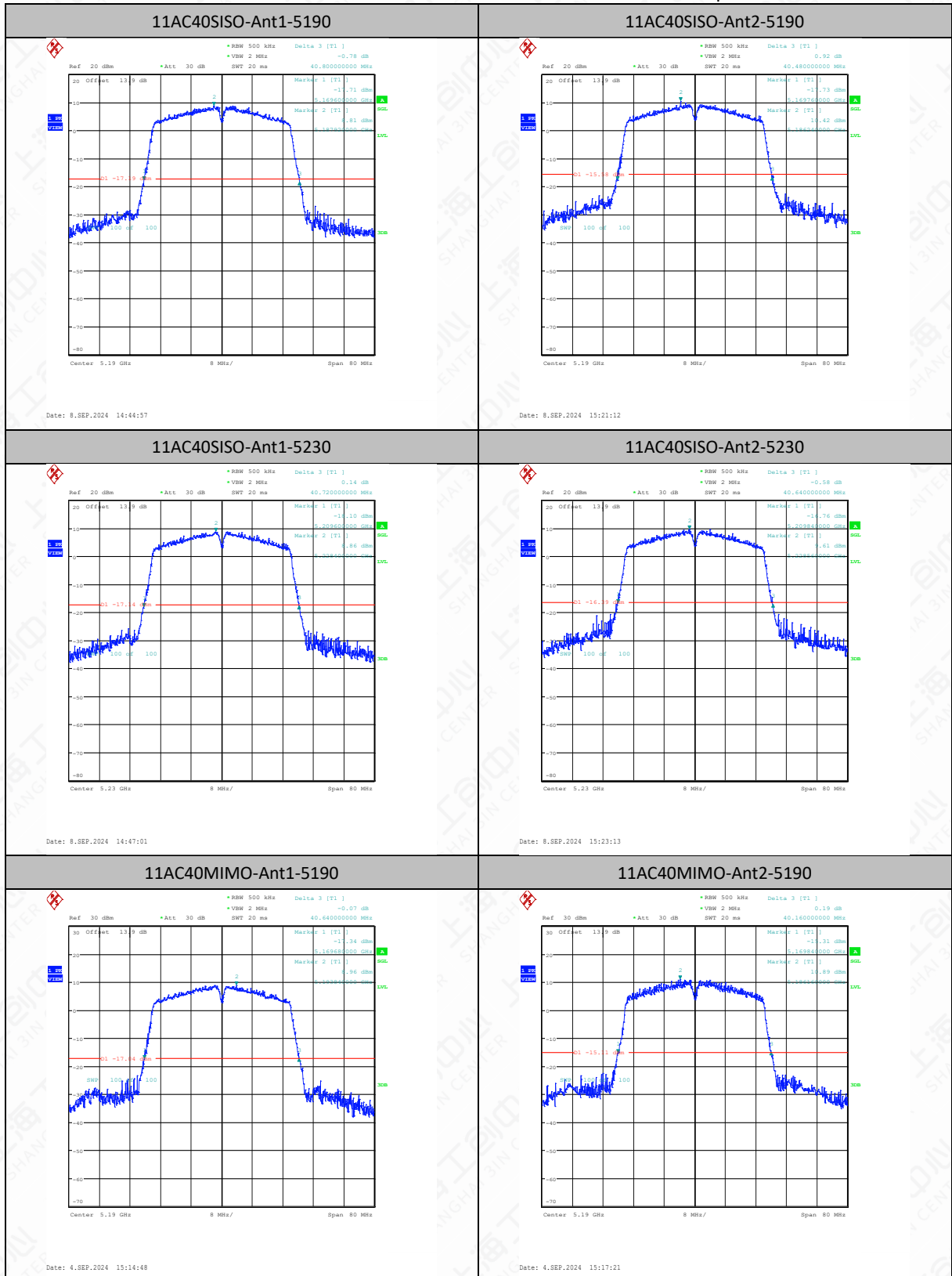




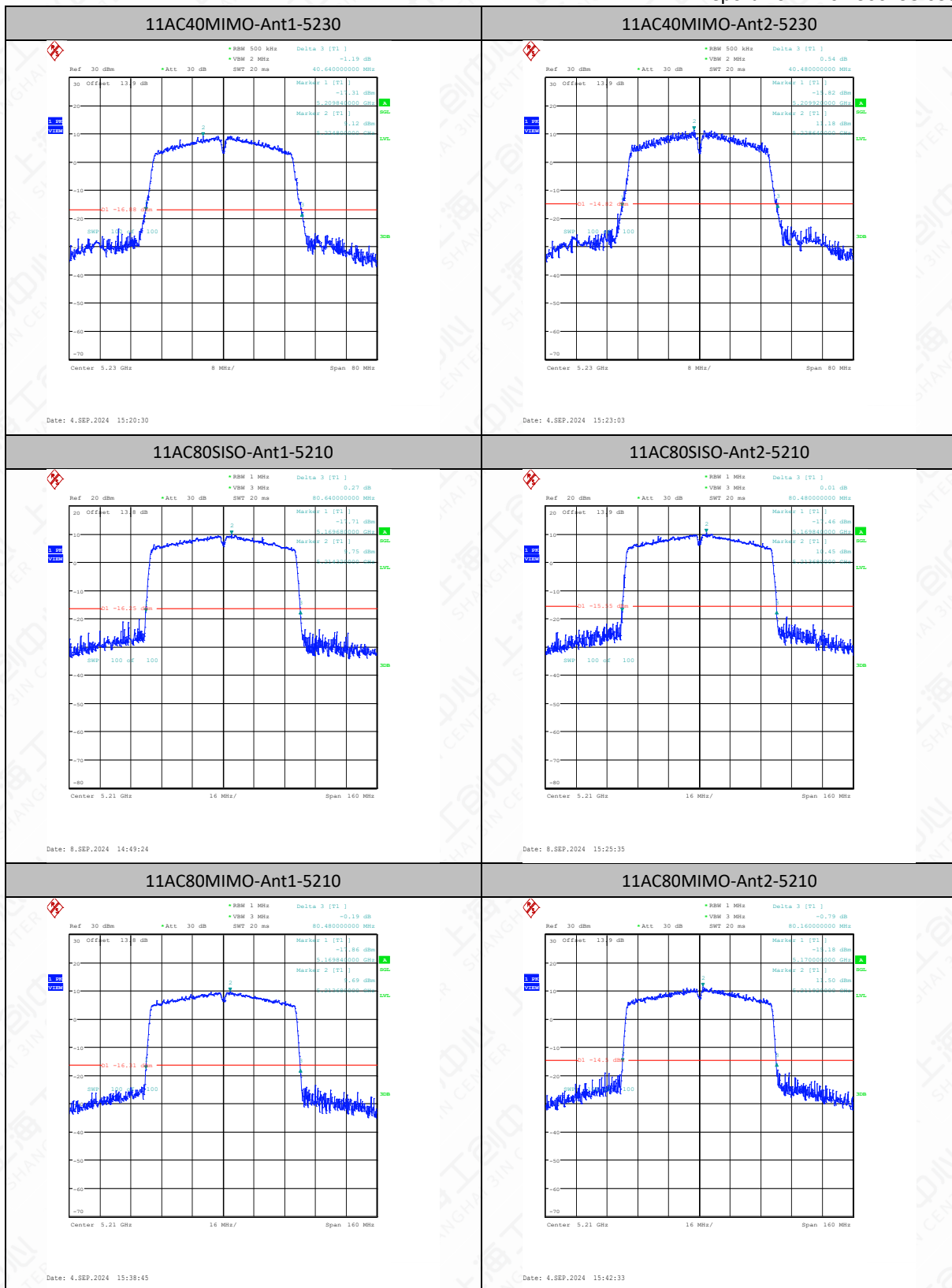


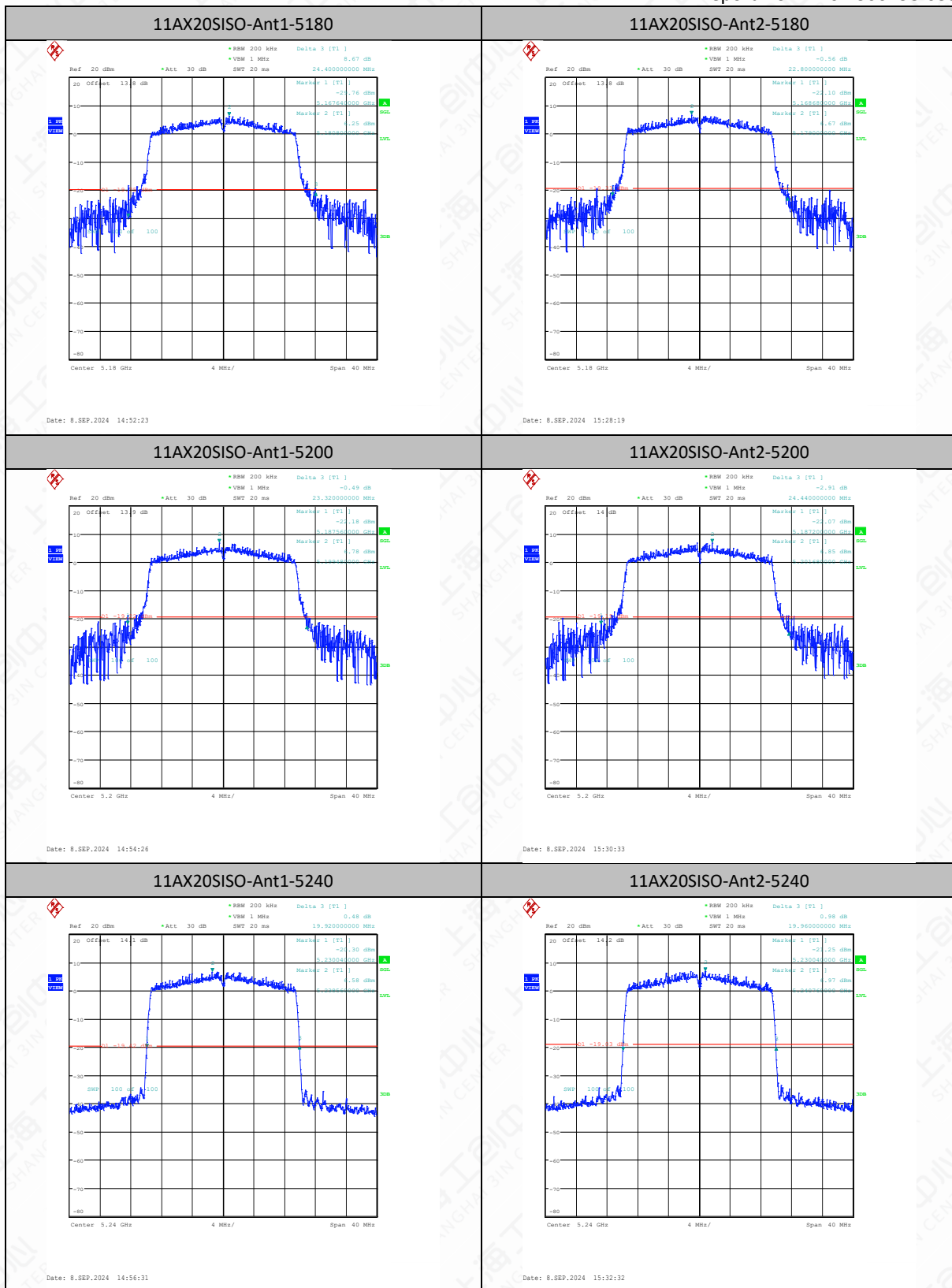


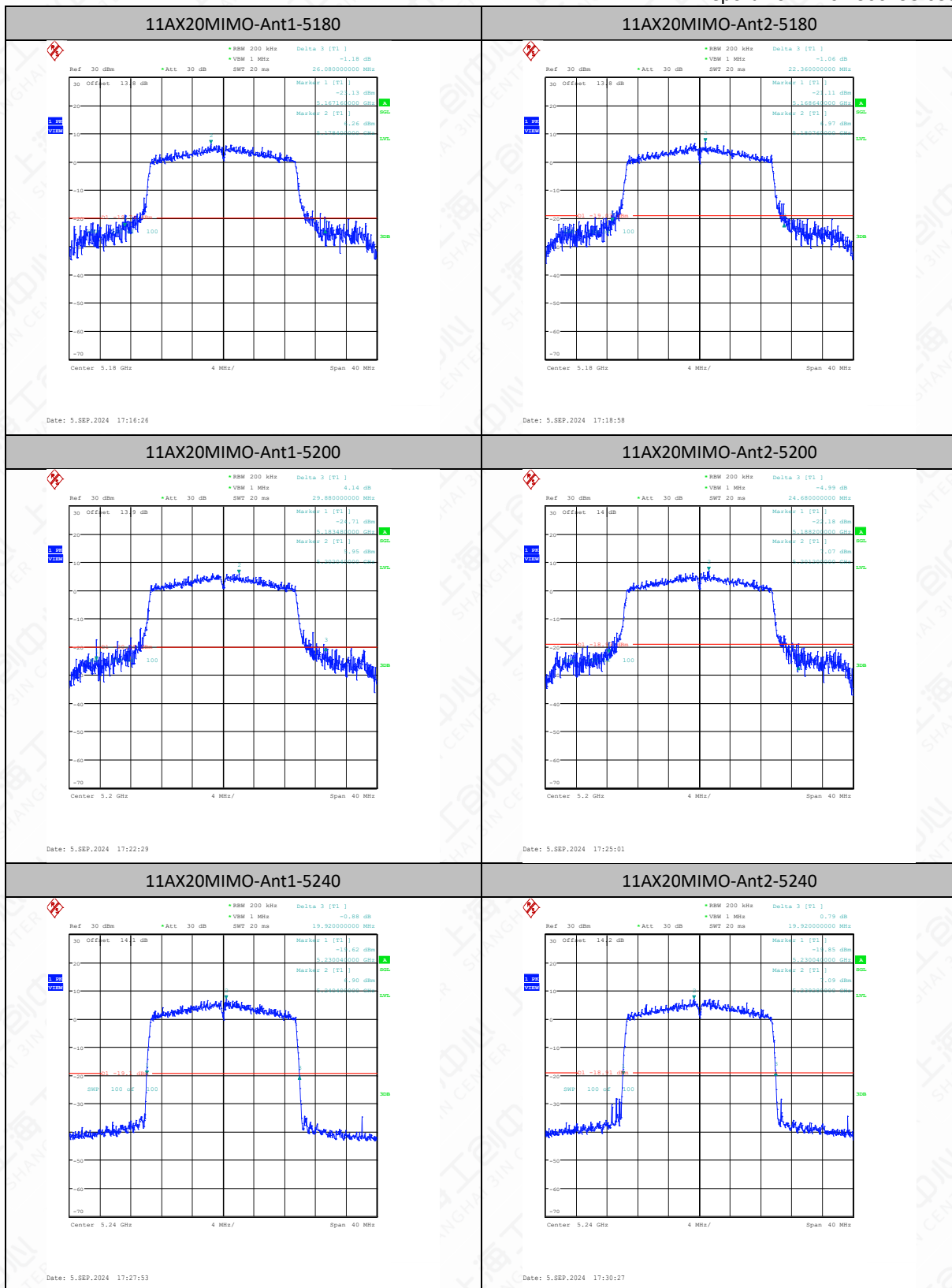




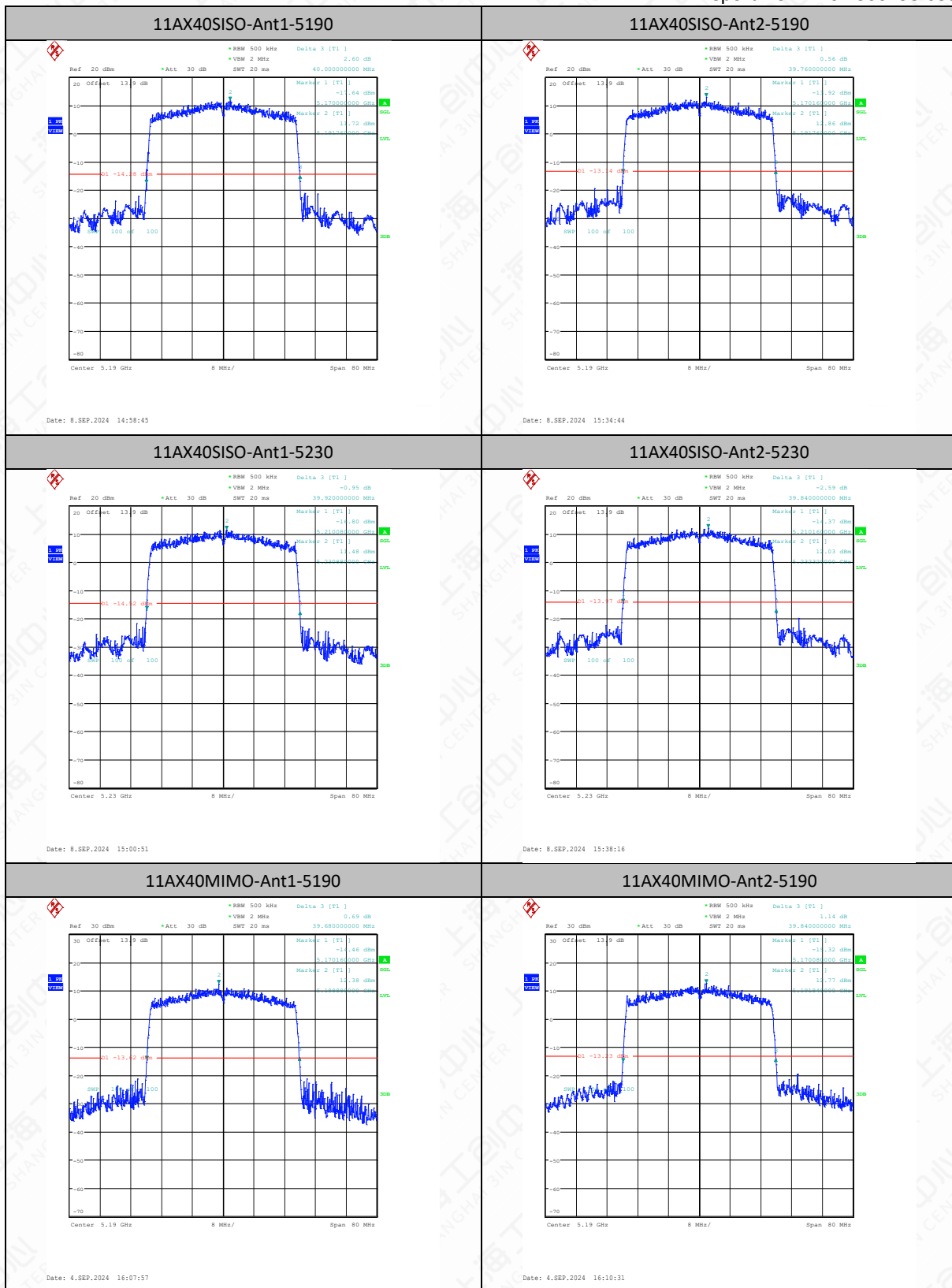


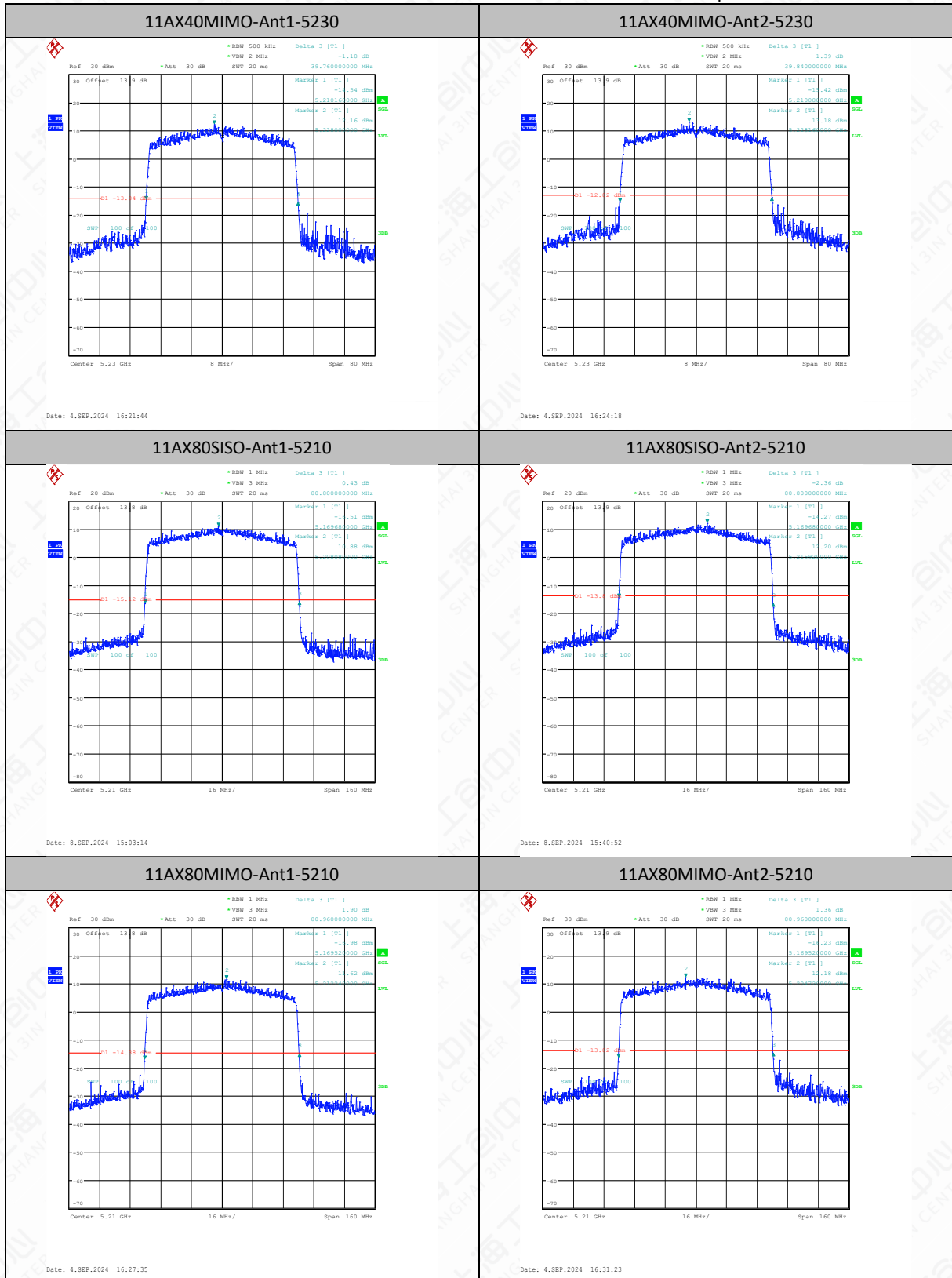




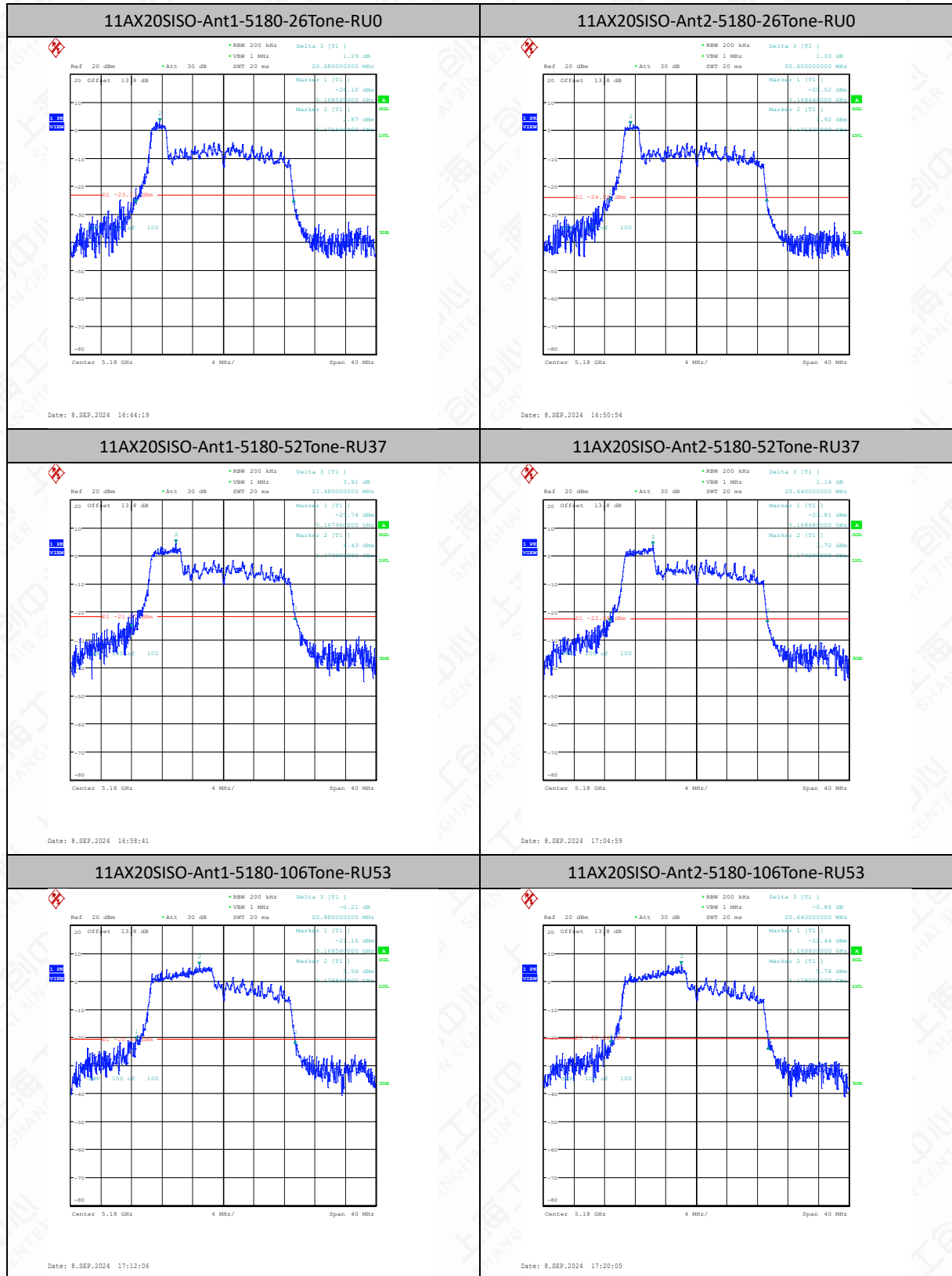






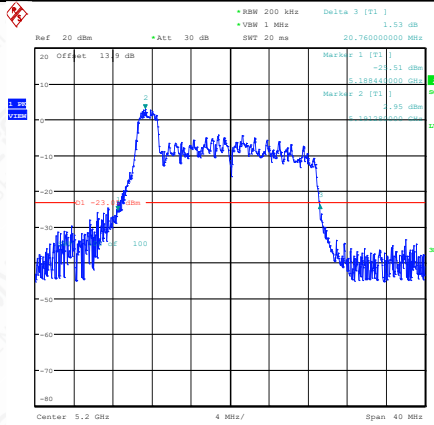


AX Part RU\_Multi-User Test Graphs



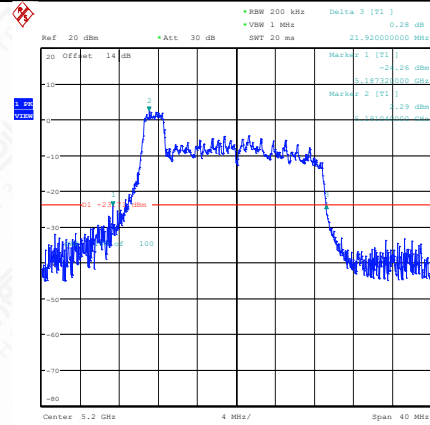


11AX20SISO-Ant1-5200-26Tone-RU0



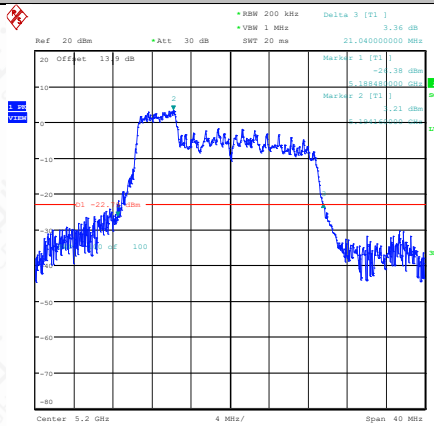
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11AX20SISO-Ant2-5200-26Tone-RU0



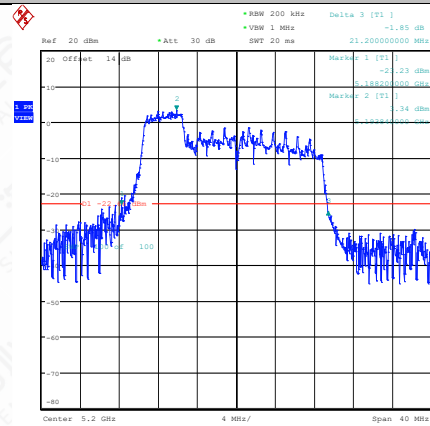
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11AX20SISO-Ant1-5200-52Tone-RU37



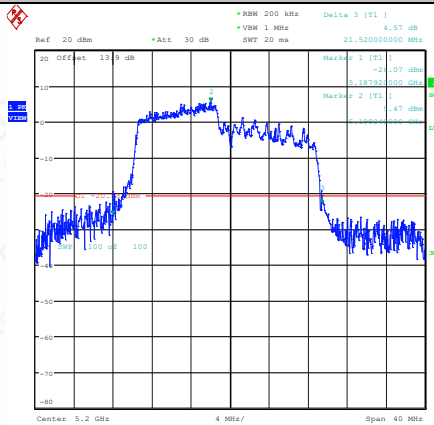
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11AX20SISO-Ant2-5200-52Tone-RU37



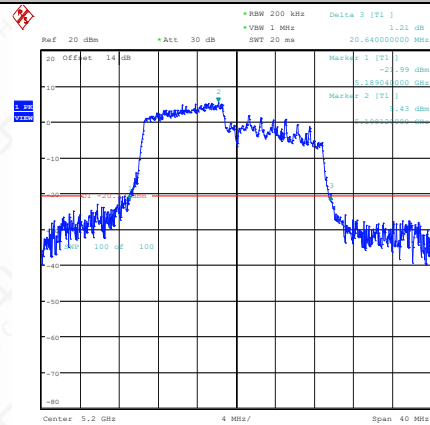
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11AX20SISO-Ant1-5200-106Tone-RU53



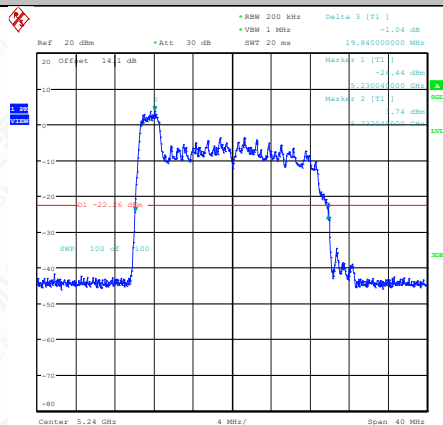
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11AX20SISO-Ant2-5200-106Tone-RU53



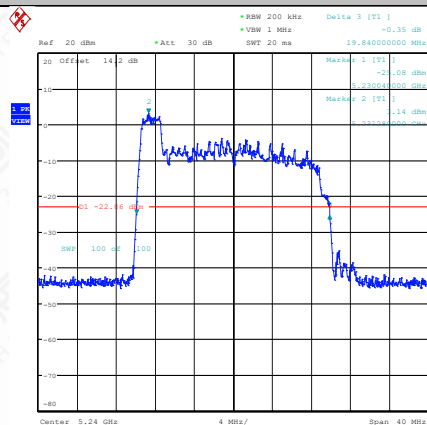
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11AX20SISO-Ant1-5240-26Tone-RU0



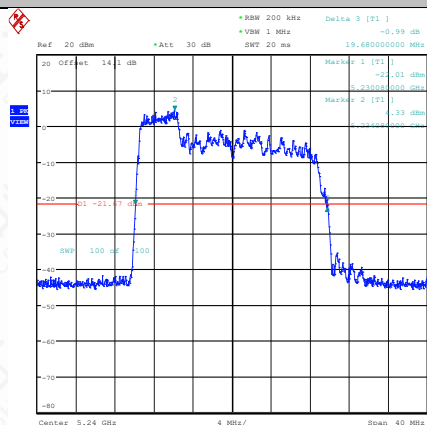
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11AX20SISO-Ant2-5240-26Tone-RU0



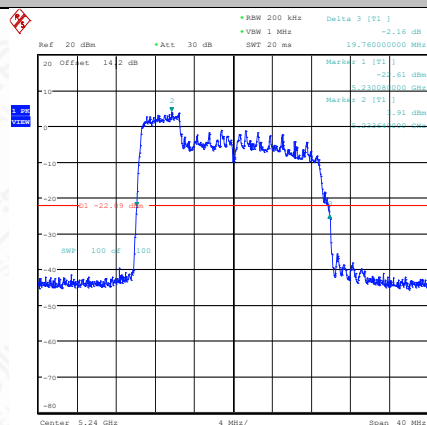
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11AX20SISO-Ant1-5240-52Tone-RU37



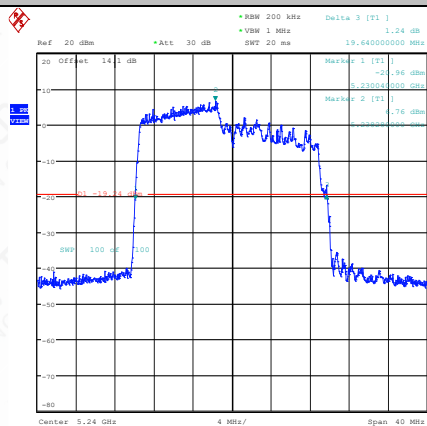
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11AX20SISO-Ant2-5240-52Tone-RU37



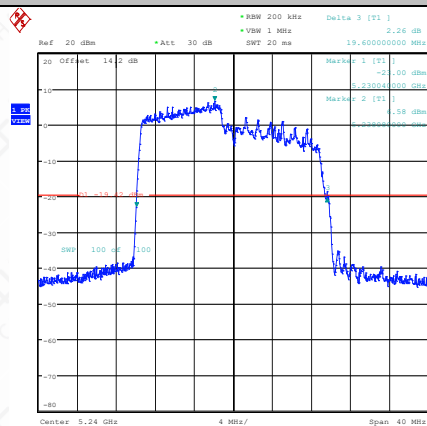
Date: 8.SEP.2024 17:09:00

11AX20SISO-Ant1-5240-106Tone-RU53

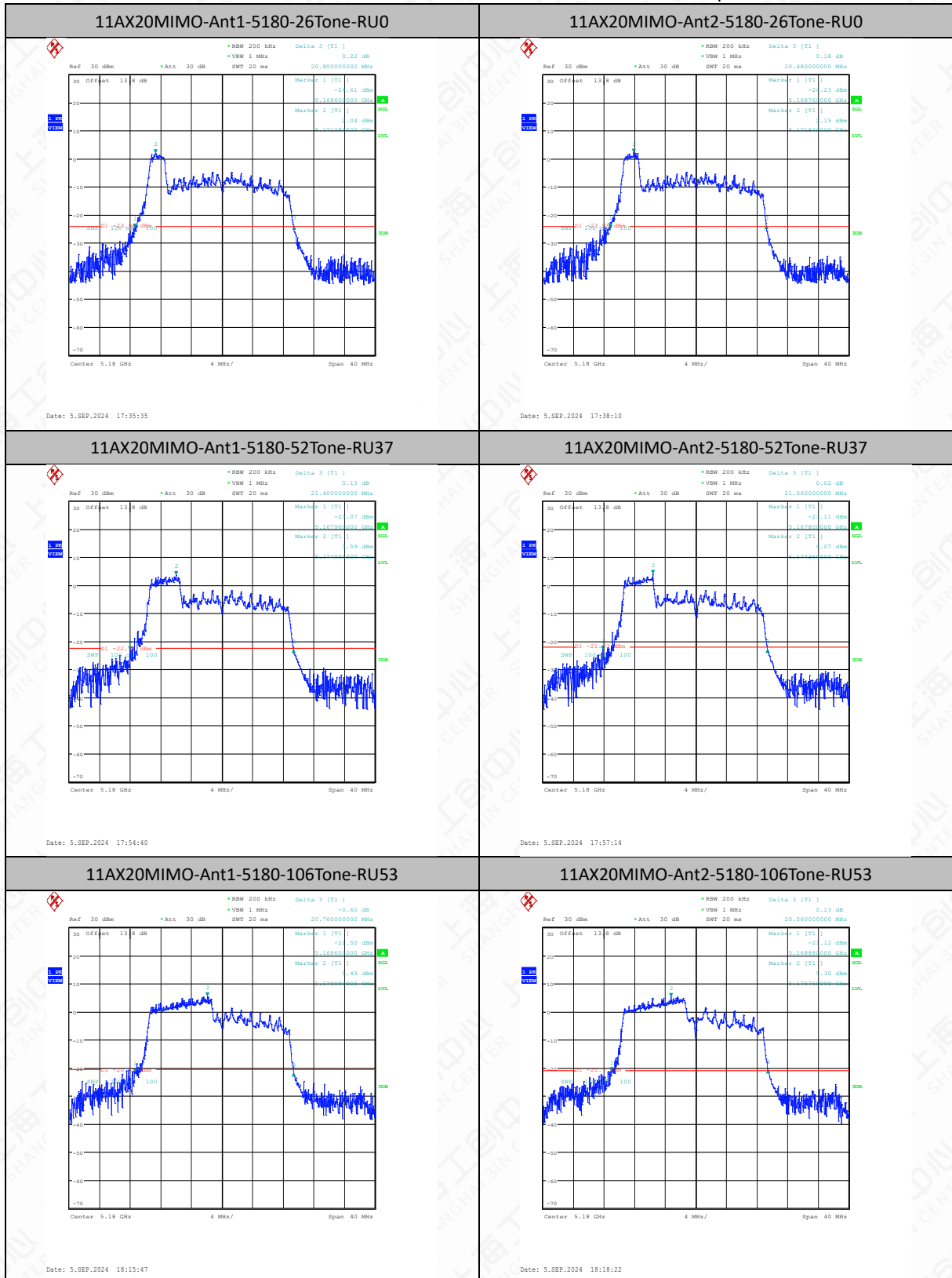


Date: 8.SEP.2024 17:17:06

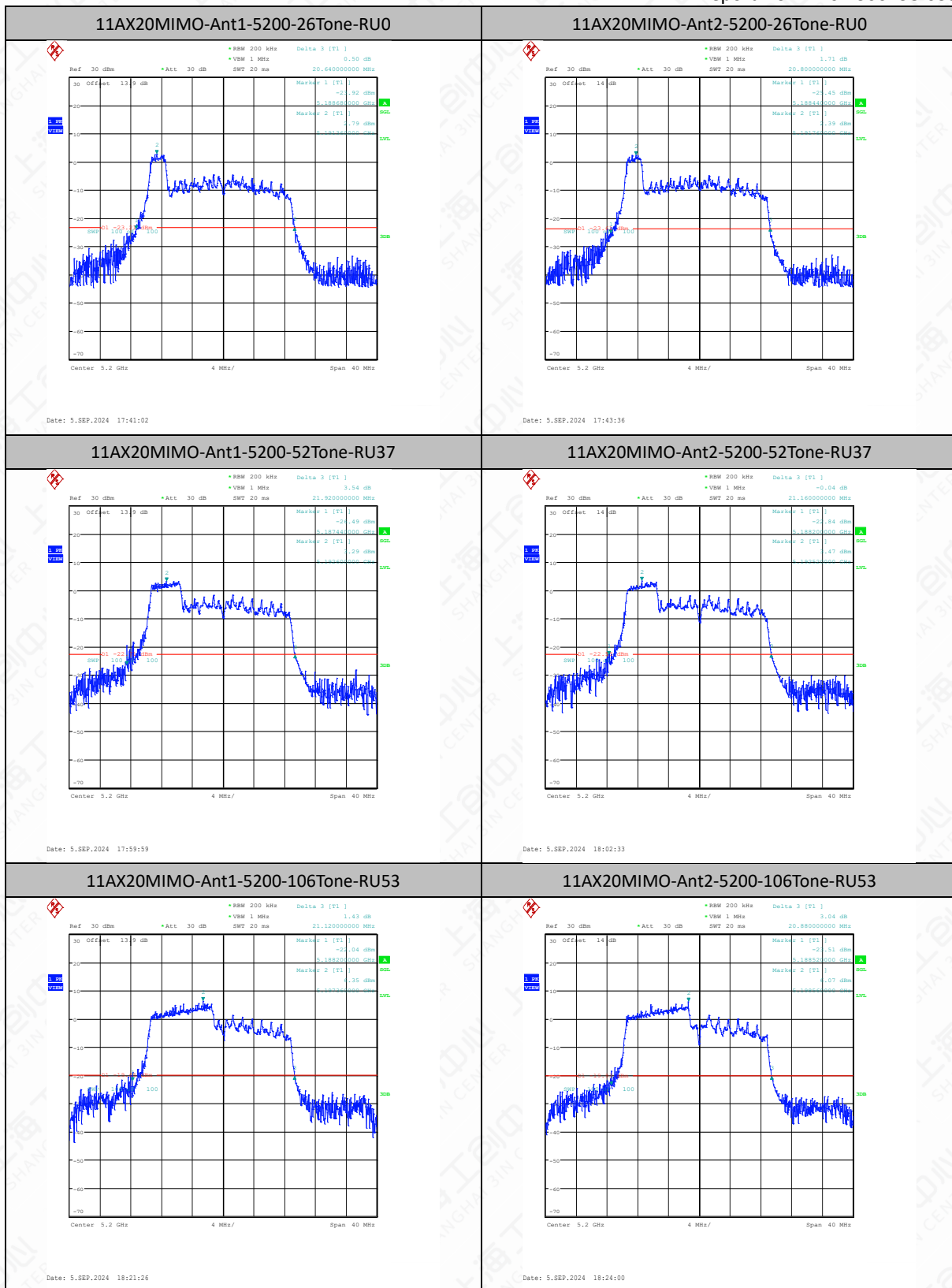
11AX20SISO-Ant2-5240-106Tone-RU53

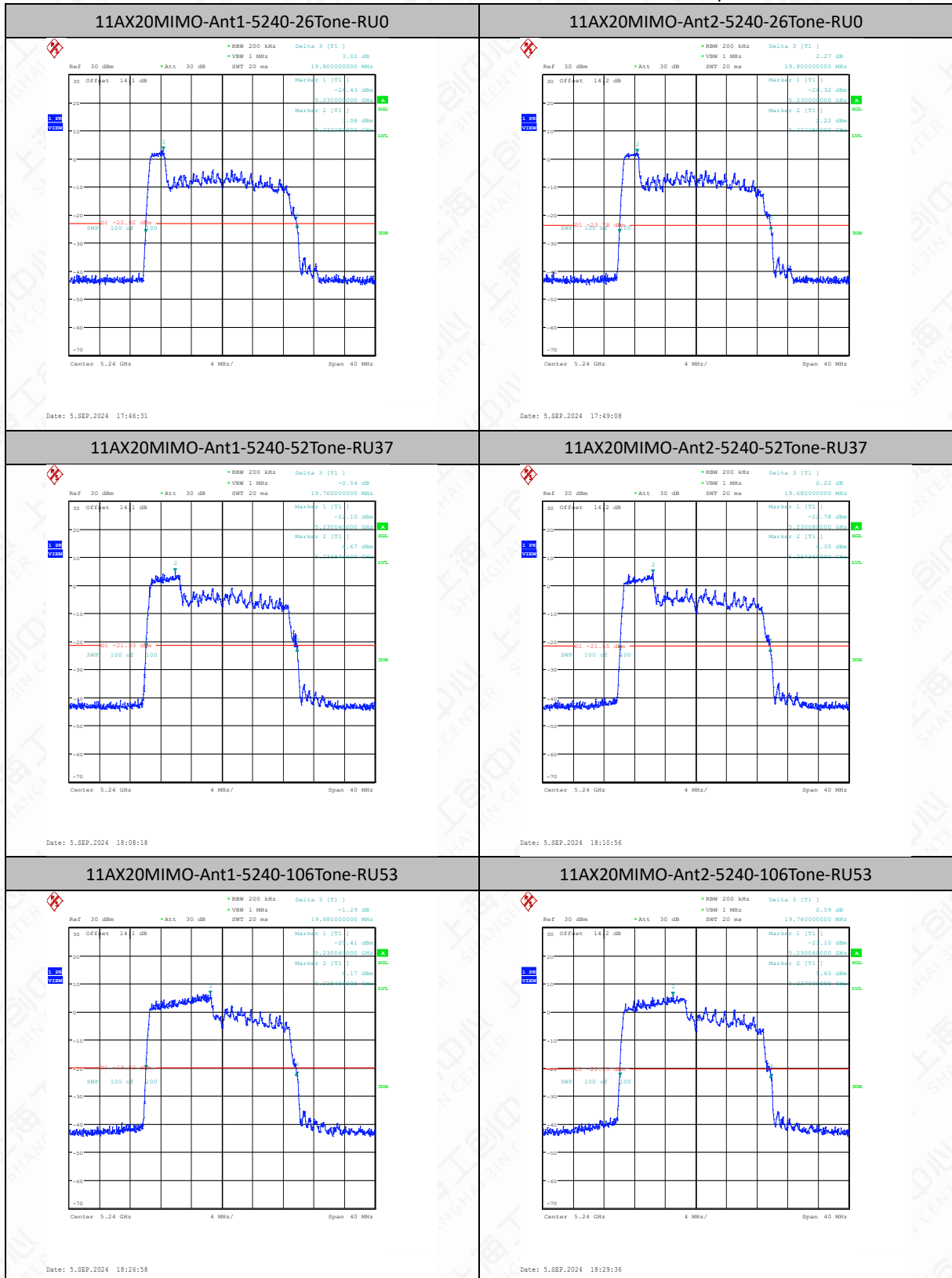


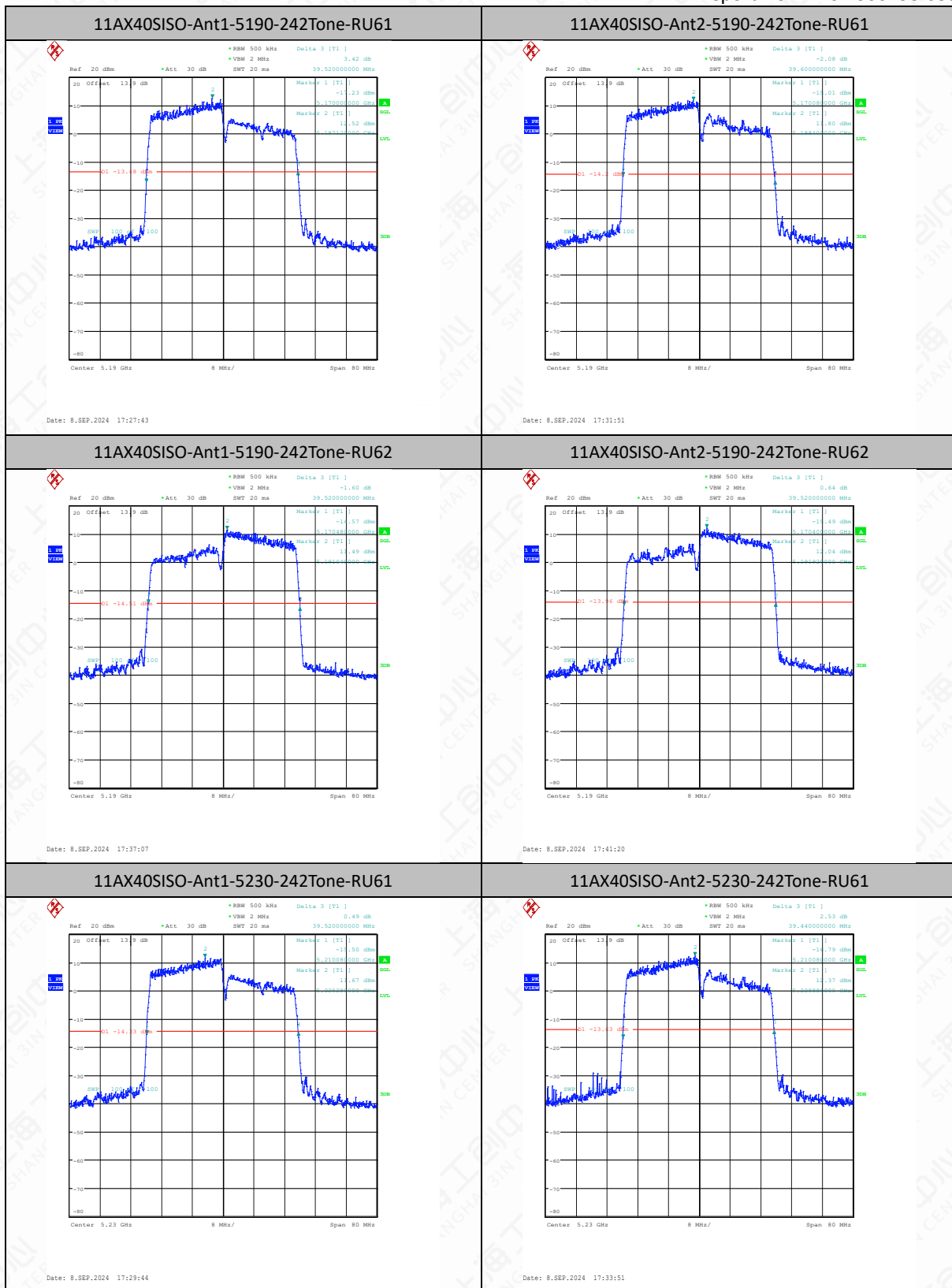
Date: 8.SEP.2024 17:24:08



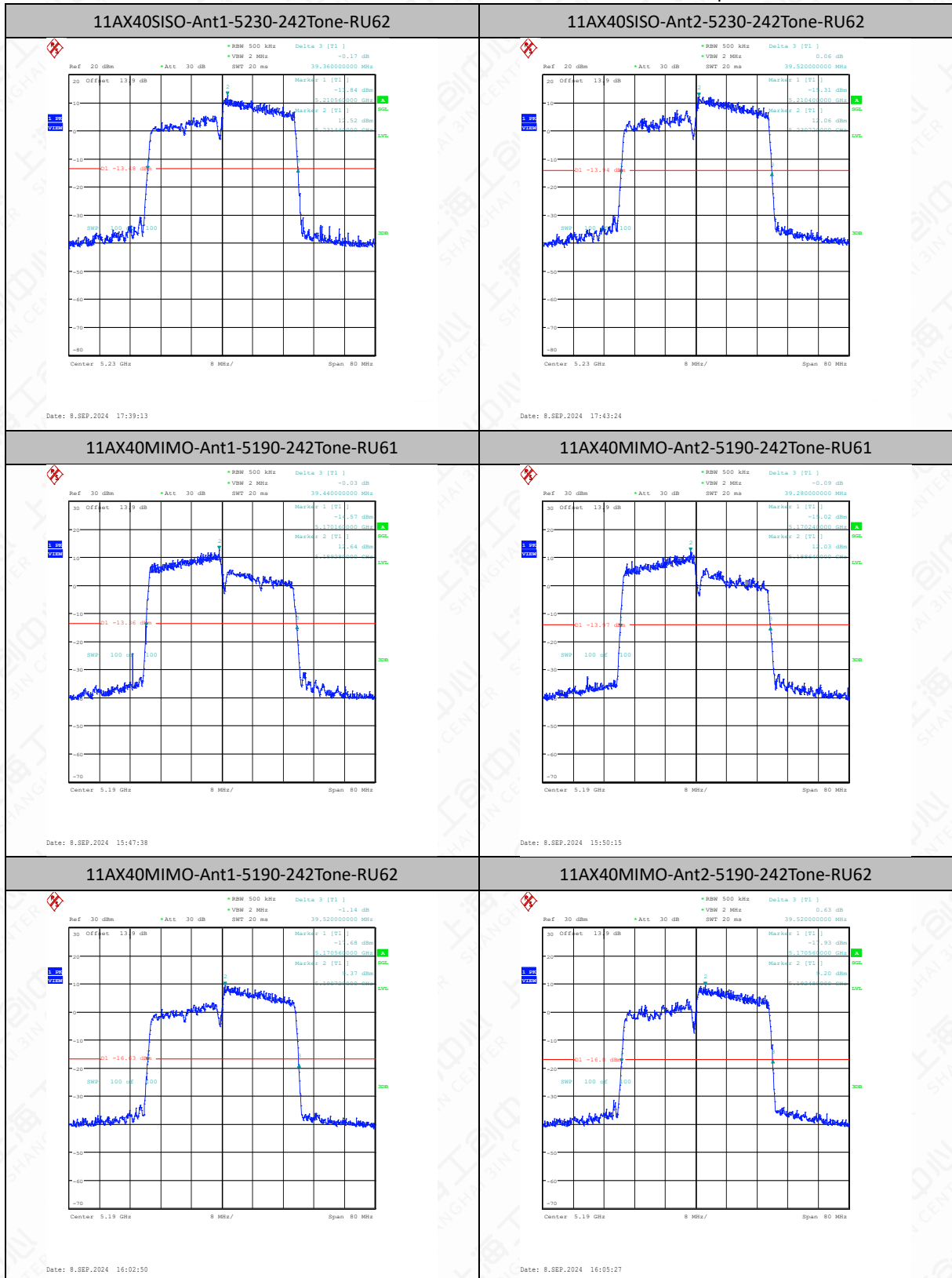


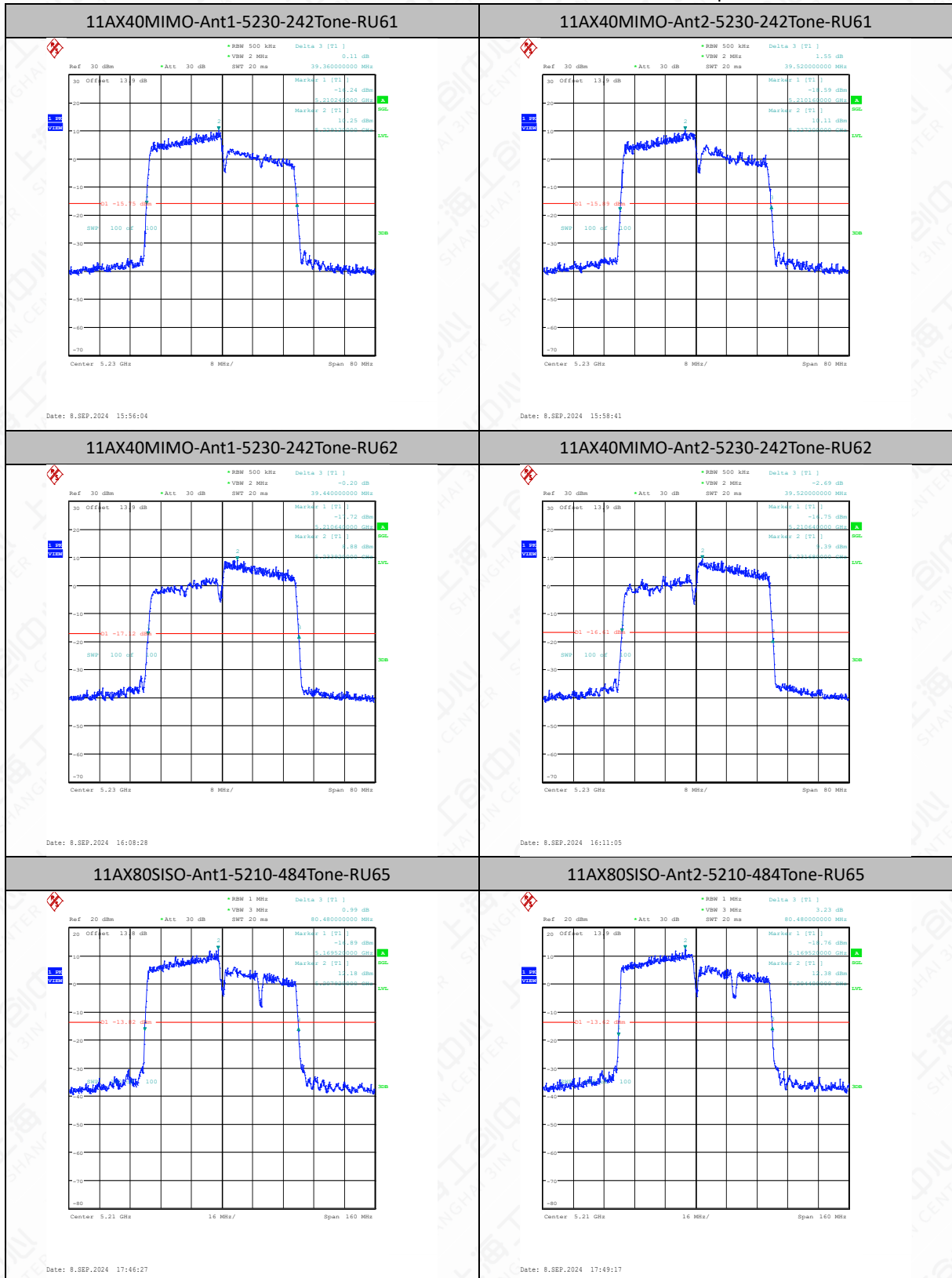


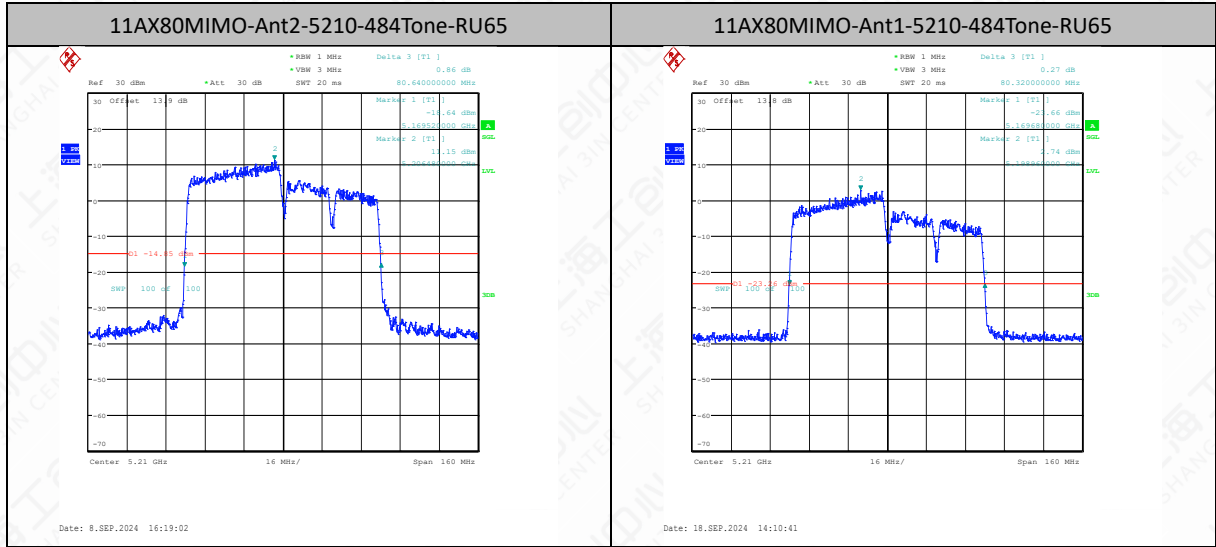














## 6.5. 99% Occupied Bandwidth(conducted)

### 6.5.1 Measurement Limit

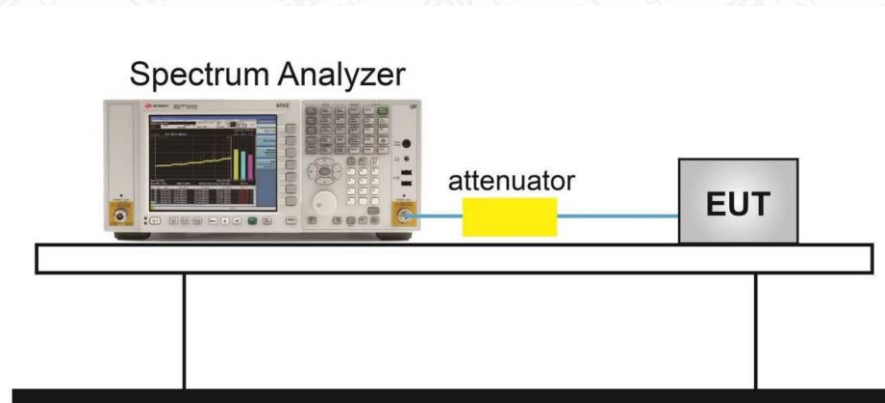
| Standard  | Limit(MHz) |
|-----------|------------|
| 15.407(a) | N/A        |

### 6.5.2 Test Procedure

The measurement method is made according to KDB 789033 D

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW  $\geq 3 \cdot$  RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

### 6.5.3 Test Setup

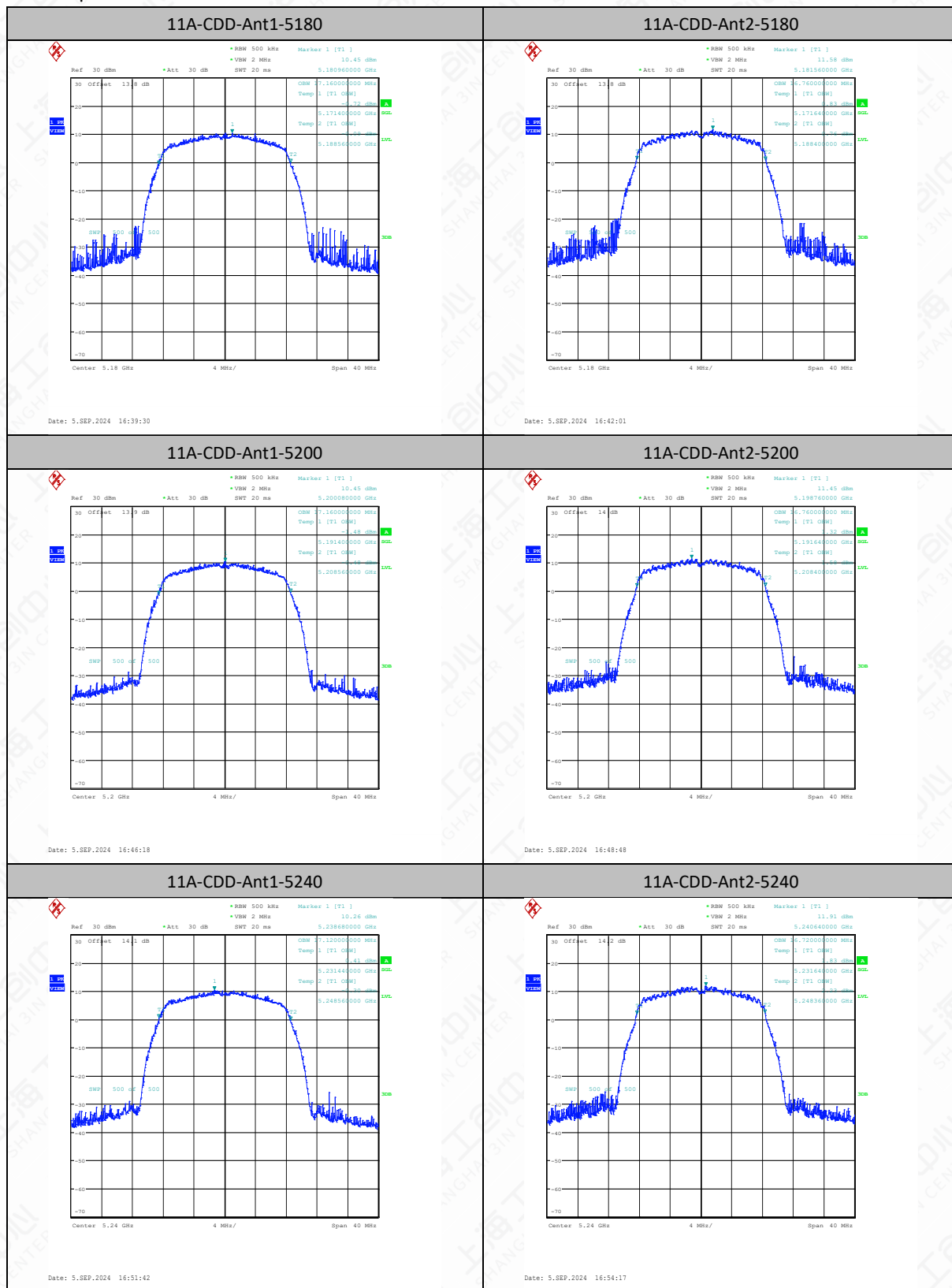


### 6.5.4 Measurement Results

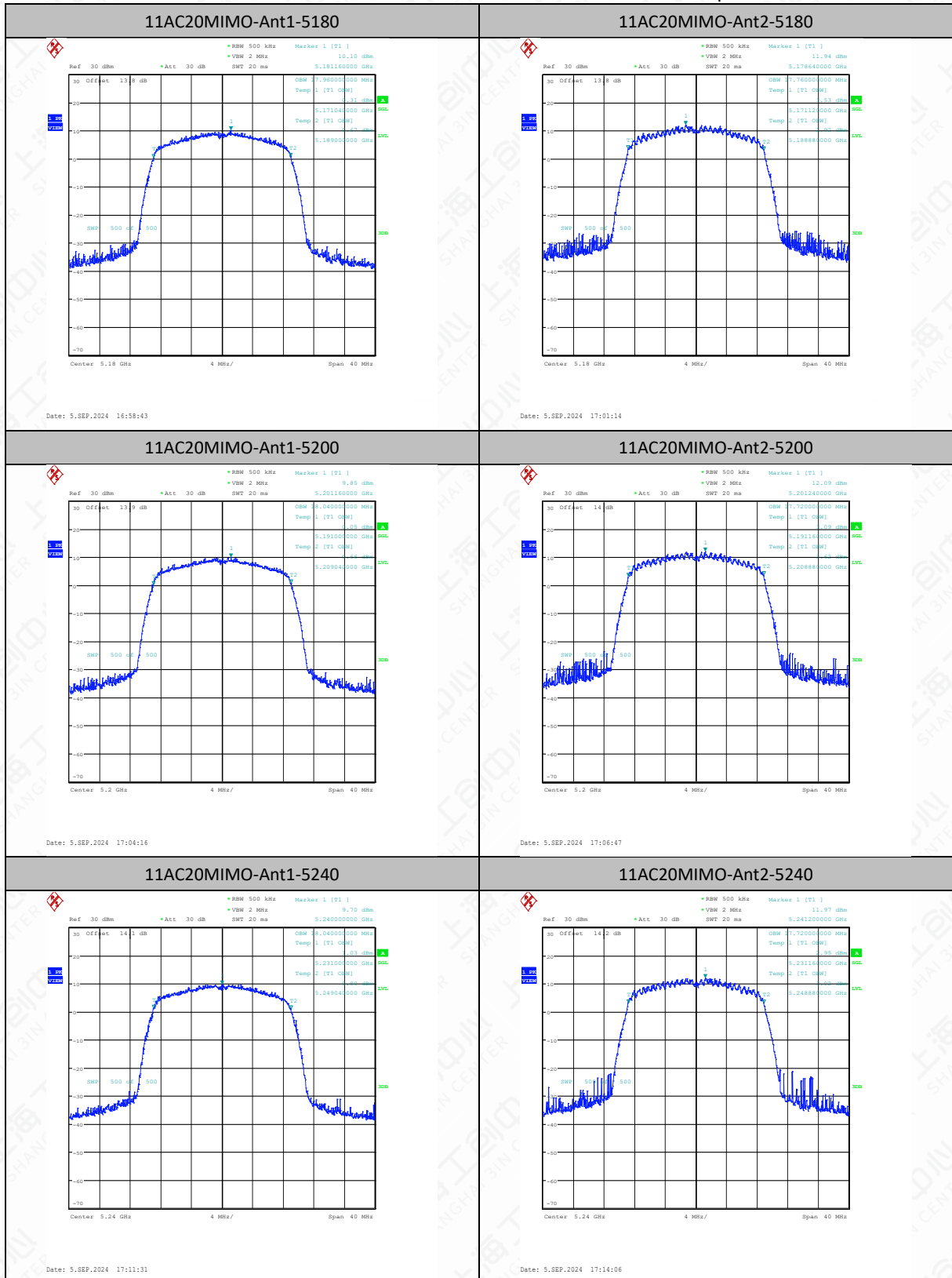
| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| 11A-CDD  | Ant1    | 5180           | 17.16     | 5171.4000 | 5188.5600 | ---        | ---     |
| 11A-CDD  | Ant2    | 5180           | 16.76     | 5171.6400 | 5188.4000 | ---        | ---     |
| 11A-CDD  | Ant1    | 5200           | 17.16     | 5191.4000 | 5208.5600 | ---        | ---     |
| 11A-CDD  | Ant2    | 5200           | 16.76     | 5191.6400 | 5208.4000 | ---        | ---     |
| 11A-CDD  | Ant1    | 5240           | 17.12     | 5231.4400 | 5248.5600 | ---        | ---     |
| 11A-CDD  | Ant2    | 5240           | 16.72     | 5231.6400 | 5248.3600 | ---        | ---     |

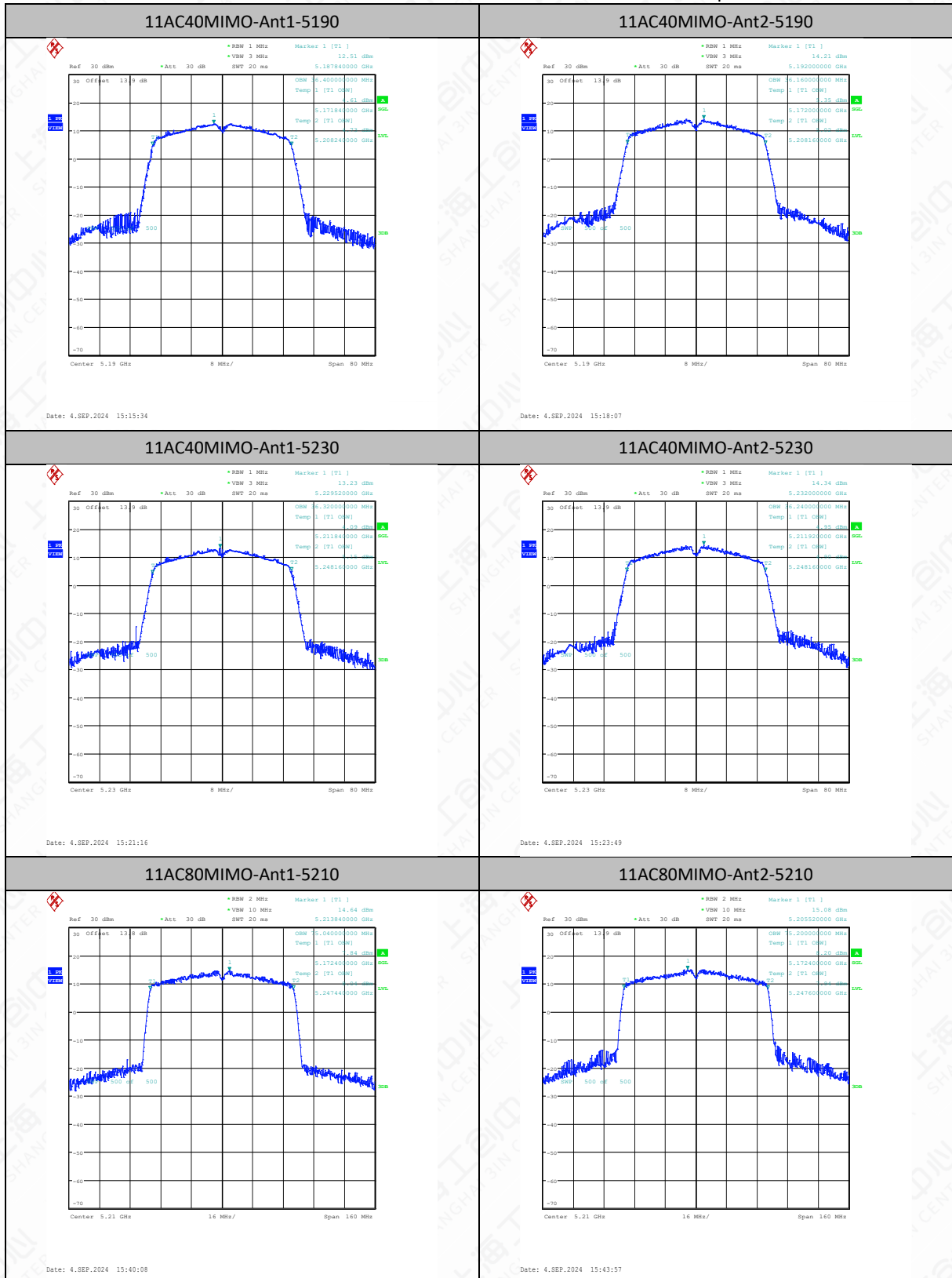
|            |      |      |       |           |           |     |     |
|------------|------|------|-------|-----------|-----------|-----|-----|
| 11AC20MIMO | Ant1 | 5180 | 17.96 | 5171.0400 | 5189.0000 | --- | --- |
| 11AC20MIMO | Ant2 | 5180 | 17.76 | 5171.1200 | 5188.8800 | --- | --- |
| 11AC20MIMO | Ant1 | 5200 | 18.04 | 5191.0000 | 5209.0400 | --- | --- |
| 11AC20MIMO | Ant2 | 5200 | 17.72 | 5191.1600 | 5208.8800 | --- | --- |
| 11AC20MIMO | Ant1 | 5240 | 18.04 | 5231.0000 | 5249.0400 | --- | --- |
| 11AC20MIMO | Ant2 | 5240 | 17.72 | 5231.1600 | 5248.8800 | --- | --- |
| 11AC40MIMO | Ant1 | 5190 | 36.4  | 5171.8400 | 5208.2400 | --- | --- |
| 11AC40MIMO | Ant2 | 5190 | 36.16 | 5172.0000 | 5208.1600 | --- | --- |
| 11AC40MIMO | Ant1 | 5230 | 36.32 | 5211.8400 | 5248.1600 | --- | --- |
| 11AC40MIMO | Ant2 | 5230 | 36.24 | 5211.9200 | 5248.1600 | --- | --- |
| 11AC80MIMO | Ant1 | 5210 | 75.04 | 5172.4000 | 5247.4400 | --- | --- |
| 11AC80MIMO | Ant2 | 5210 | 75.2  | 5172.4000 | 5247.6000 | --- | --- |
| 11AX20MIMO | Ant1 | 5180 | 19.52 | 5170.2400 | 5189.7600 | --- | --- |
| 11AX20MIMO | Ant2 | 5180 | 19.4  | 5170.3200 | 5189.7200 | --- | --- |
| 11AX20MIMO | Ant1 | 5200 | 19.6  | 5190.2000 | 5209.8000 | --- | --- |
| 11AX20MIMO | Ant2 | 5200 | 19.52 | 5190.2800 | 5209.8000 | --- | --- |
| 11AX20MIMO | Ant1 | 5240 | 18.8  | 5230.6000 | 5249.4000 | --- | --- |
| 11AX20MIMO | Ant2 | 5240 | 18.76 | 5230.6400 | 5249.4000 | --- | --- |
| 11AX40MIMO | Ant1 | 5190 | 37.68 | 5171.2000 | 5208.8800 | --- | --- |
| 11AX40MIMO | Ant2 | 5190 | 37.6  | 5171.2000 | 5208.8000 | --- | --- |
| 11AX40MIMO | Ant1 | 5230 | 37.68 | 5211.2000 | 5248.8800 | --- | --- |
| 11AX40MIMO | Ant2 | 5230 | 37.68 | 5211.2000 | 5248.8800 | --- | --- |
| 11AX80MIMO | Ant1 | 5210 | 77.12 | 5171.4400 | 5248.5600 | --- | --- |
| 11AX80MIMO | Ant2 | 5210 | 77.12 | 5171.2800 | 5248.4000 | --- | --- |

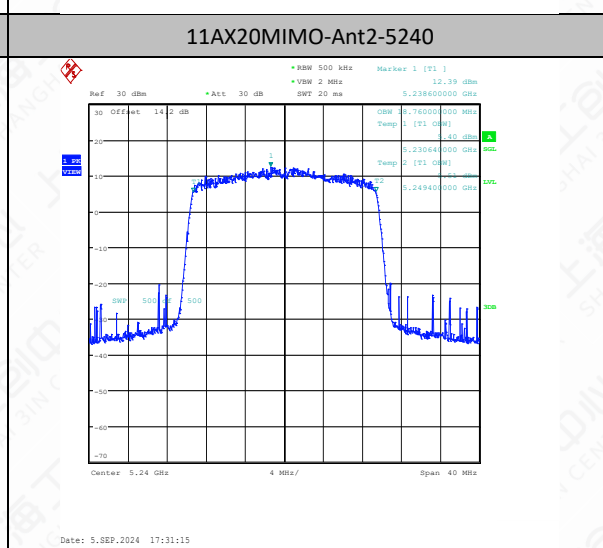
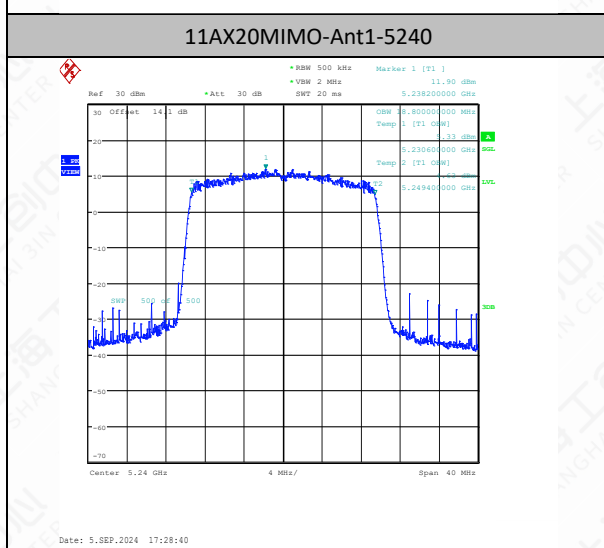
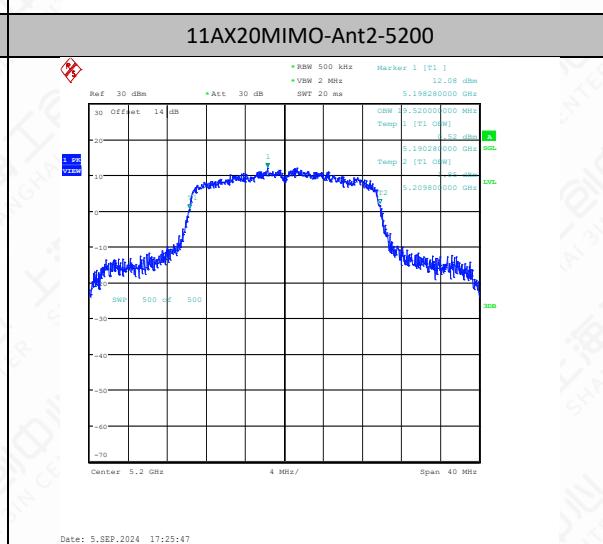
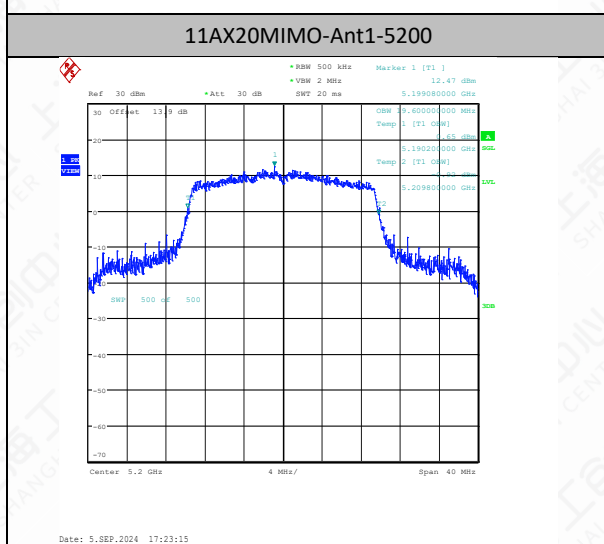
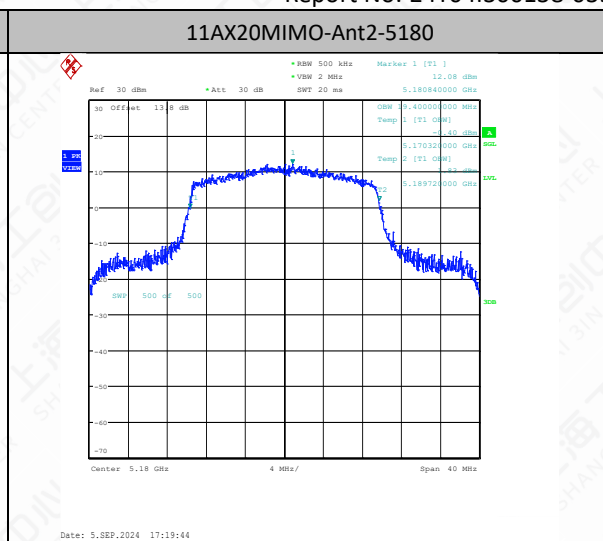
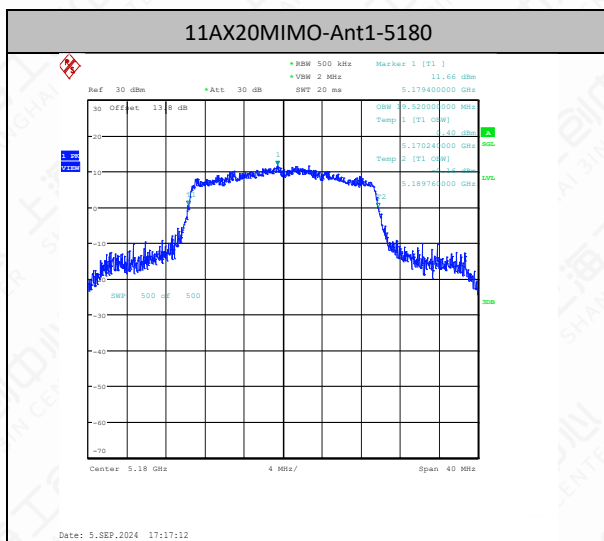
# Test Graphs



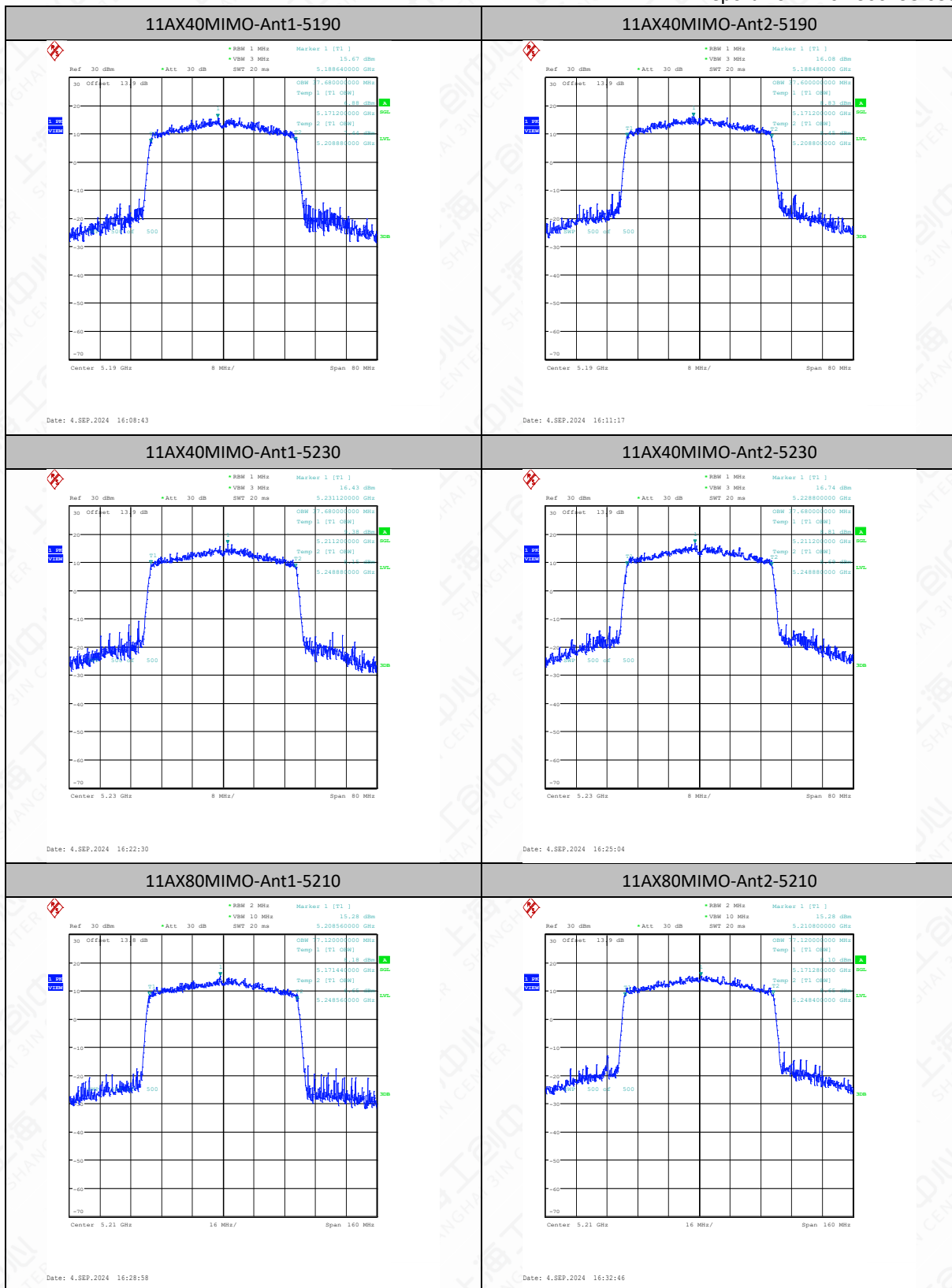












## 6.6. Band Edges Compliance

### 6.6.1 Measurement Limit

Above 1G, non-restricted band

| Standard  | EIRP Limit   |
|-----------|--------------|
| 15.407(b) | < -27dBm/MHz |

Above 1G, Restricted band

| Standard  | EIRP Limit   |          |
|-----------|--------------|----------|
| 15.407(b) | < -27dBm/MHz |          |
| 15.209    | Peak         | 74dBμV/m |
|           | Average      | 54dBμV/m |

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} + 20 \log(d[\text{m}]) - 104.7$$

$$\text{E[dB}\mu\text{V/m]} = \text{EIRP[dBm]} - 20 \log(d[\text{m}]) + 104.7$$

$$\text{E[dB}\mu\text{V/m]} = \text{EIRP[dBm]} + 95.2 = 68.2, \text{ for } d = 3\text{m}$$

### 6.6.2 Test Procedure

The measurement is made according to KDB 789033.

Marker-Delta Method: The marker-delta method, as described in ANSI C63.10, can be used to perform measurements of the radiated unwanted emissions level of emissions provided that the 99% occupied bandwidth of the fundamental is within 2 MHz of the authorized band-edge.

Procedure for peak unwanted emissions measurements above 1000 MHz

The procedure for peak unwanted emissions measurements above 1000 MHz is as follows:

a) Follow the requirements in 12.7.4.

b) Peak emission levels are measured by setting the instrument as follows:

- 1) RBW = 1 MHz.
- 2) VBW  $\geq [3 \times \text{RBW}]$ .
- 3) Detector = peak.
- 4) Sweep time = auto.
- 5) Trace mode = max hold.

6) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, then the time required for the trace to stabilize will increase by a factor of approximately  $1/D$ , where  $D$  is the duty cycle. For example, at 50% duty cycle, the measurement time will increase by a factor of two, relative to measurement time for continuous transmission.

Procedures for average unwanted emissions measurements above 1000 MHz



a) RBW = 1 MHz.

b) Video bandwidth:

1) If the EUT is configured to transmit with  $D \geq 98\%$ , then set  $VBW \leq RBW / 100$  (i.e., 10 kHz), but not less than 10 Hz.

2) If the EUT  $D$  is  $< 98\%$ , then set  $VBW \geq 1 / T$ , where  $T$  is defined in item a1) of 12.2.

c) Video bandwidth mode or display mode:

1) The instrument shall be set with video filtering applied in the power domain. Typically, this requires setting the detector mode to RMS (power averaging) and setting the average-VBW type to power (rms).

2) As an alternative, the instrument may be set to linear detector mode. Video filtering shall be applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode to accomplish this. Others have a setting for average-VBW type, which can be set to "voltage" regardless of the display mode.

d) Detector = peak.

e) Sweep time = auto.

f) Trace mode = max hold.

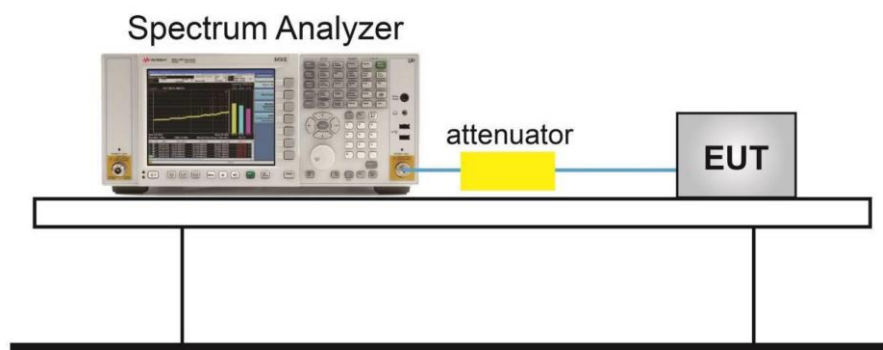
g) Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of  $1/x$ , where  $D$  is the duty cycle. For example, use at least 200 traces if the duty cycle is 25%. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 50 traces should be averaged.)

The measurement was applied in a fully anechoic chamber. While testing for spurious emission higher than 1GHz, if applied, the pre-amplifier would be equipped just at the output terminal of the antenna. Tabletop devices shall be placed on a nonconducting platform with nominal top surface dimensions 1 m by 1.5 m. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna which was mounted on an antenna mast. During the tests, the antenna height varied from 1m to 4m and the EUT azimuth were varied from  $0^\circ$  to  $360^\circ$  in order to identify the maximum level of emissions from the EUT. In making any tests involving handheld, body-worn, or ceiling-mounted equipment, it is essential to recognize that the measured levels may be dependent on the orientation (attitude) of the three orthogonal axes of the EUT. Thus, exploratory tests as specified in 8.3.1 shall be carried out for various axes orientations to determine the attitude having maximum or near-maximum emission level. This

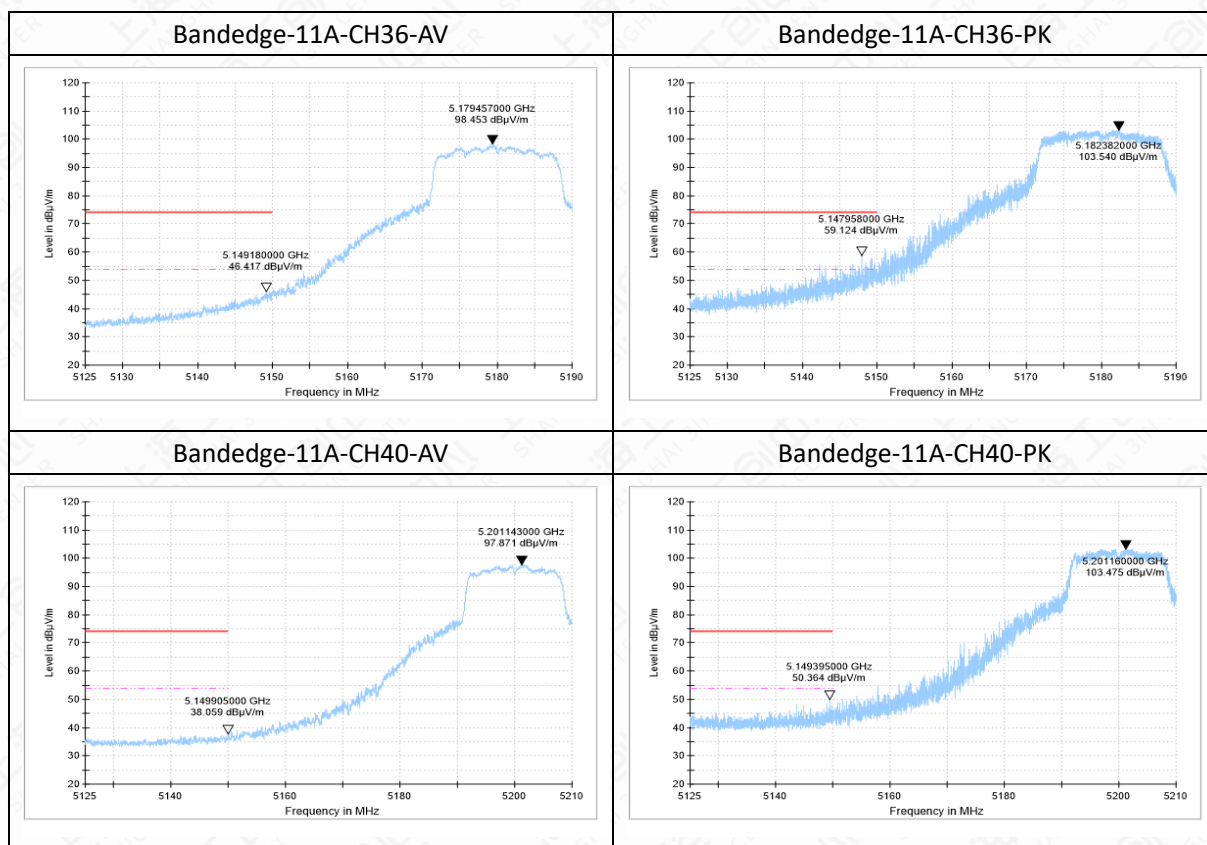


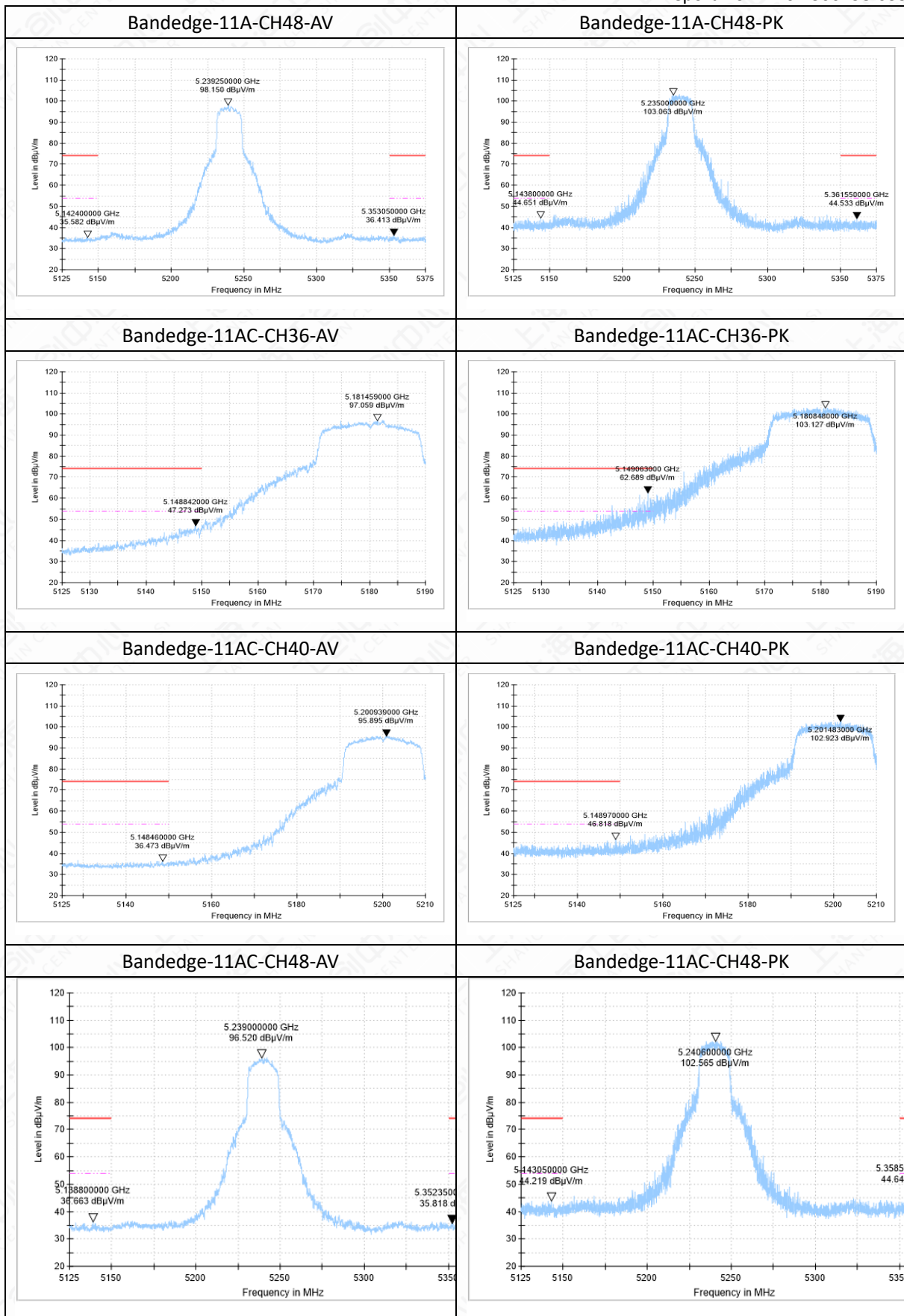
maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

### 6.6.3 Test Setup

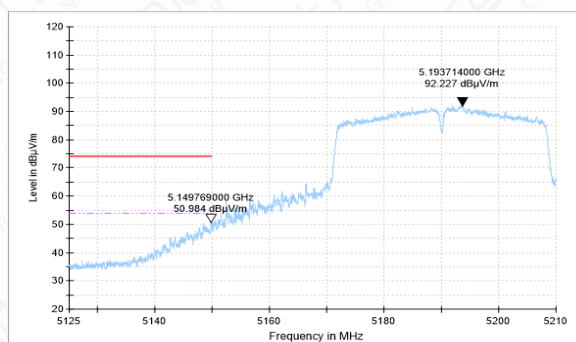


### 6.6.4 Measurement Result

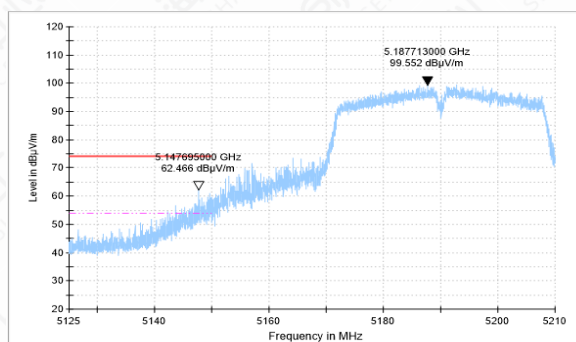




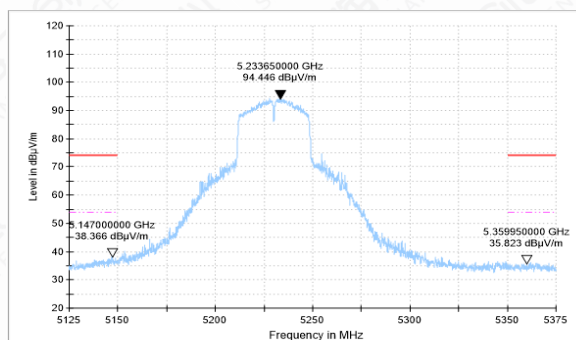
Bandedge-11AC(40M)-CH38-AV



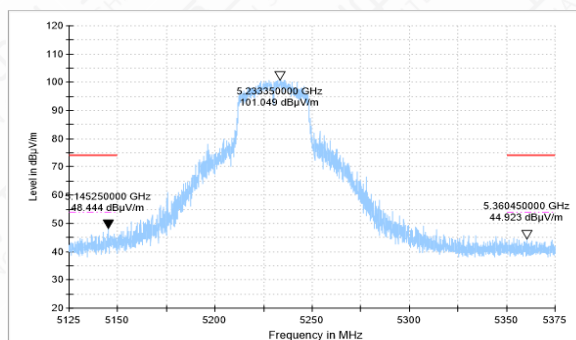
Bandedge-11AC(40M)-CH38-PK



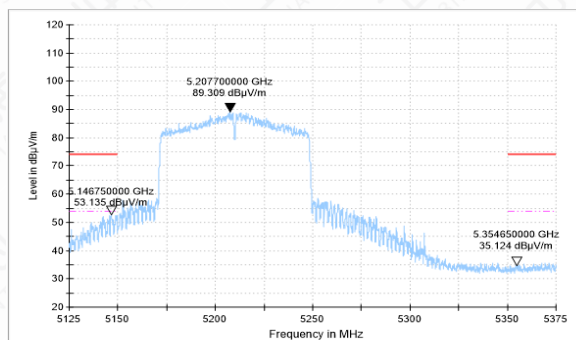
Bandedge-11AC(40M)-CH46-AV



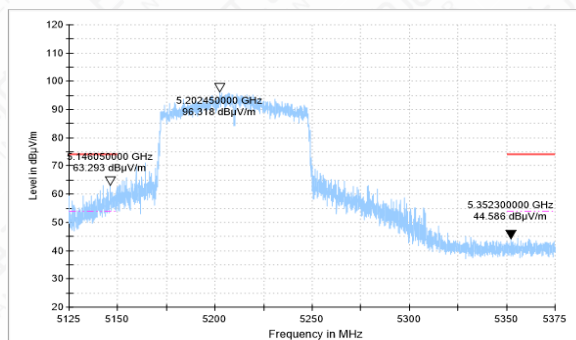
Bandedge-11AC(40M)-CH46-PK



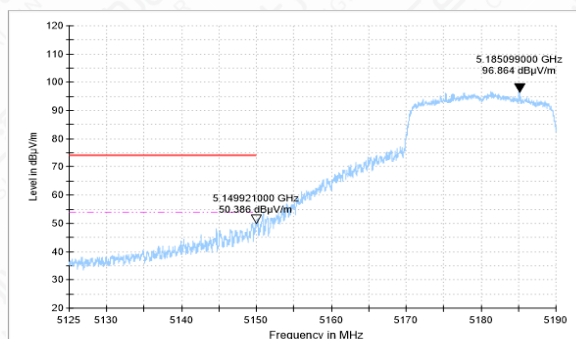
Bandedge-11AC(80M)-CH42-AV



Bandedge-11AC(80M)-CH42-PK



Bandedge-11AX-CH36-AV



Bandedge-11AX-CH36-PK

