



## 9 Appendix

### 9.1 Appendix 15.407

#### 1.Emission Bandwidth Measurement

| Test Mode | Test Channel | Ant  | EBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|------|----------|------------|---------|
| 11A       | 5180         | Ant1 | 23.370   | ---        | PASS    |
| 11A       | 5180         | Ant2 | 23.190   | ---        | PASS    |
| 11A       | 5220         | Ant1 | 22.980   | ---        | PASS    |
| 11A       | 5220         | Ant2 | 23.280   | ---        | PASS    |
| 11A       | 5240         | Ant1 | 22.830   | ---        | PASS    |
| 11A       | 5240         | Ant2 | 22.860   | ---        | PASS    |
| 11A       | 5745         | Ant1 | 16.380   | $\geq 0.5$ | PASS    |
| 11A       | 5745         | Ant2 | 16.410   | $\geq 0.5$ | PASS    |
| 11A       | 5785         | Ant1 | 16.380   | $\geq 0.5$ | PASS    |
| 11A       | 5785         | Ant2 | 16.380   | $\geq 0.5$ | PASS    |
| 11A       | 5825         | Ant1 | 16.380   | $\geq 0.5$ | PASS    |
| 11A       | 5825         | Ant2 | 16.380   | $\geq 0.5$ | PASS    |
| 11N20     | 5180         | Ant1 | 24.030   | ---        | PASS    |
| 11N20     | 5180         | Ant2 | 23.580   | ---        | PASS    |
| 11N20     | 5220         | Ant1 | 24.180   | ---        | PASS    |
| 11N20     | 5220         | Ant2 | 23.490   | ---        | PASS    |
| 11N20     | 5240         | Ant1 | 22.980   | ---        | PASS    |
| 11N20     | 5240         | Ant2 | 23.640   | ---        | PASS    |
| 11N20     | 5745         | Ant1 | 17.640   | $\geq 0.5$ | PASS    |
| 11N20     | 5745         | Ant2 | 17.610   | $\geq 0.5$ | PASS    |
| 11N20     | 5785         | Ant1 | 17.610   | $\geq 0.5$ | PASS    |
| 11N20     | 5785         | Ant2 | 17.610   | $\geq 0.5$ | PASS    |
| 11N20     | 5825         | Ant1 | 17.610   | $\geq 0.5$ | PASS    |
| 11N20     | 5825         | Ant2 | 17.610   | $\geq 0.5$ | PASS    |
| 11N40     | 5190         | Ant1 | 46.200   | ---        | PASS    |
| 11N40     | 5190         | Ant2 | 45.420   | ---        | PASS    |
| 11N40     | 5230         | Ant1 | 45.120   | ---        | PASS    |
| 11N40     | 5230         | Ant2 | 46.500   | ---        | PASS    |
| 11N40     | 5755         | Ant1 | 36.420   | $\geq 0.5$ | PASS    |

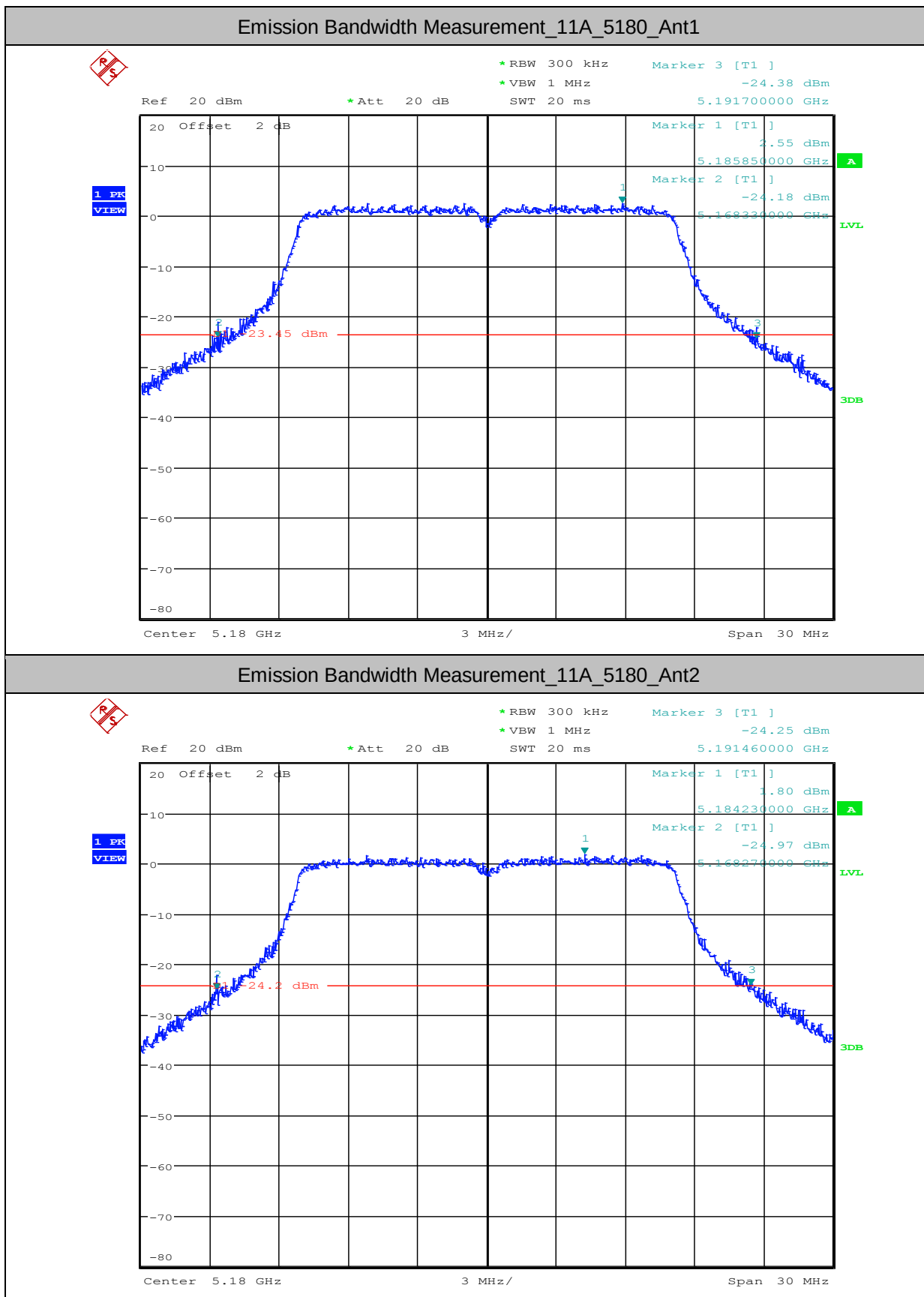


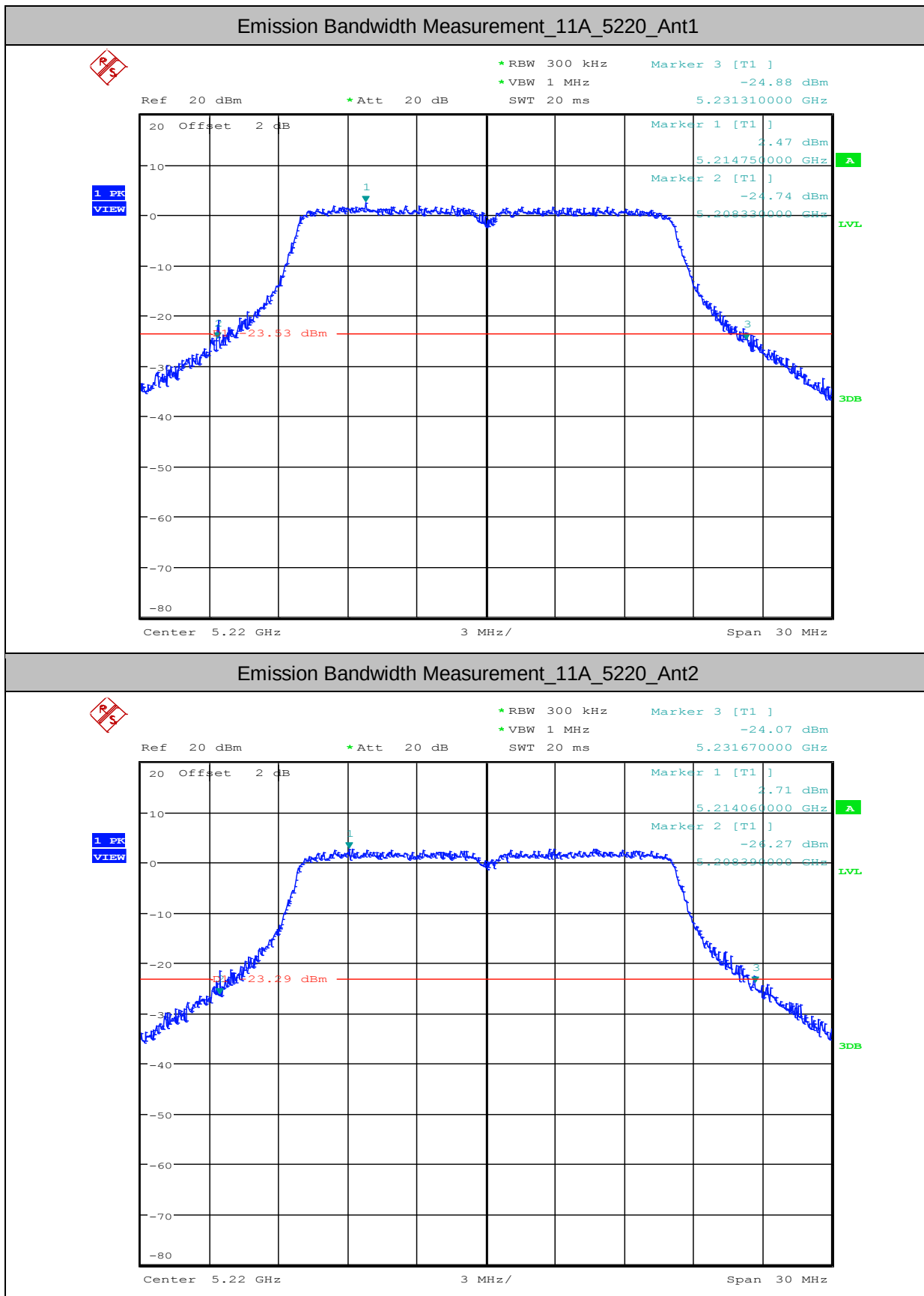
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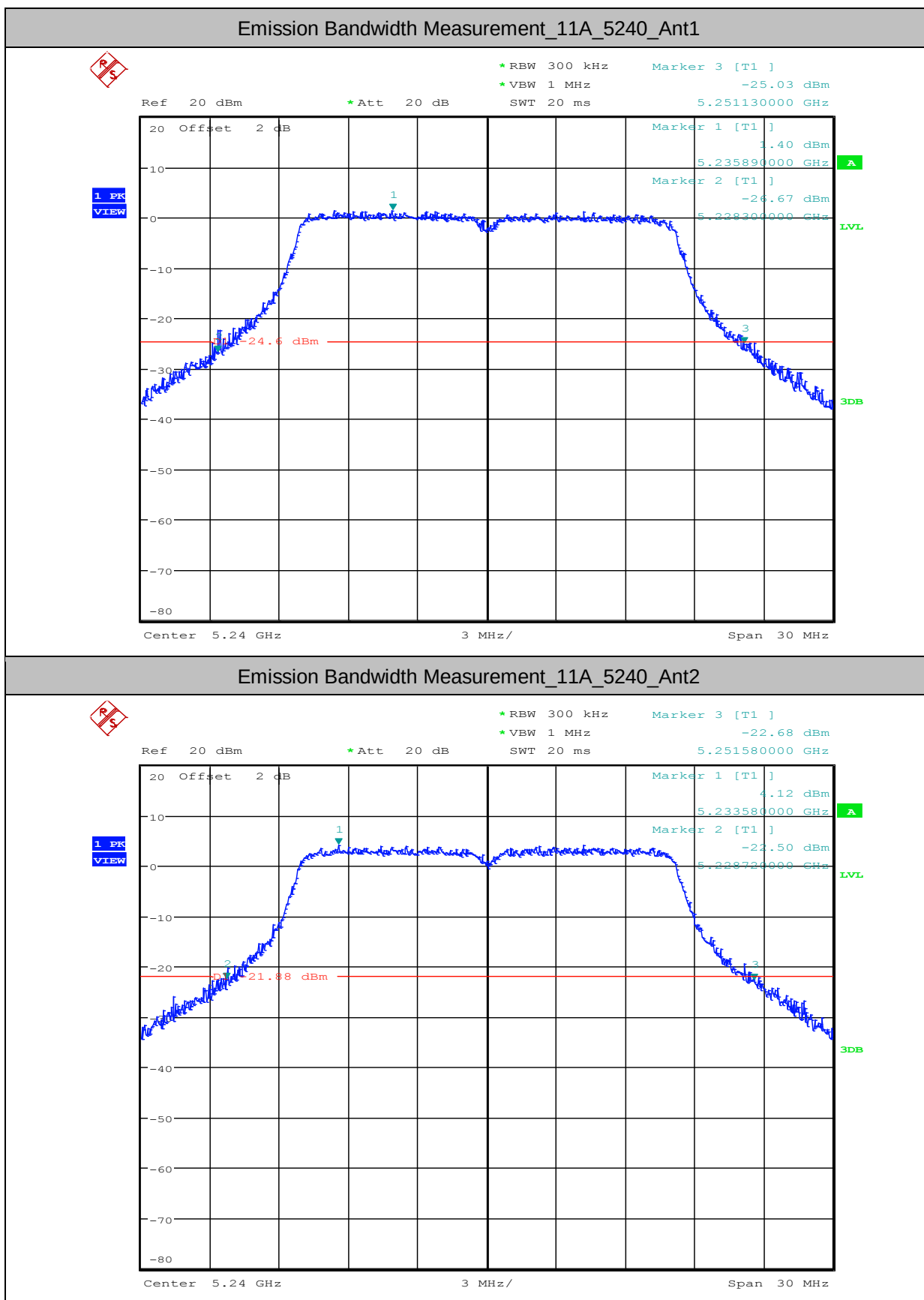
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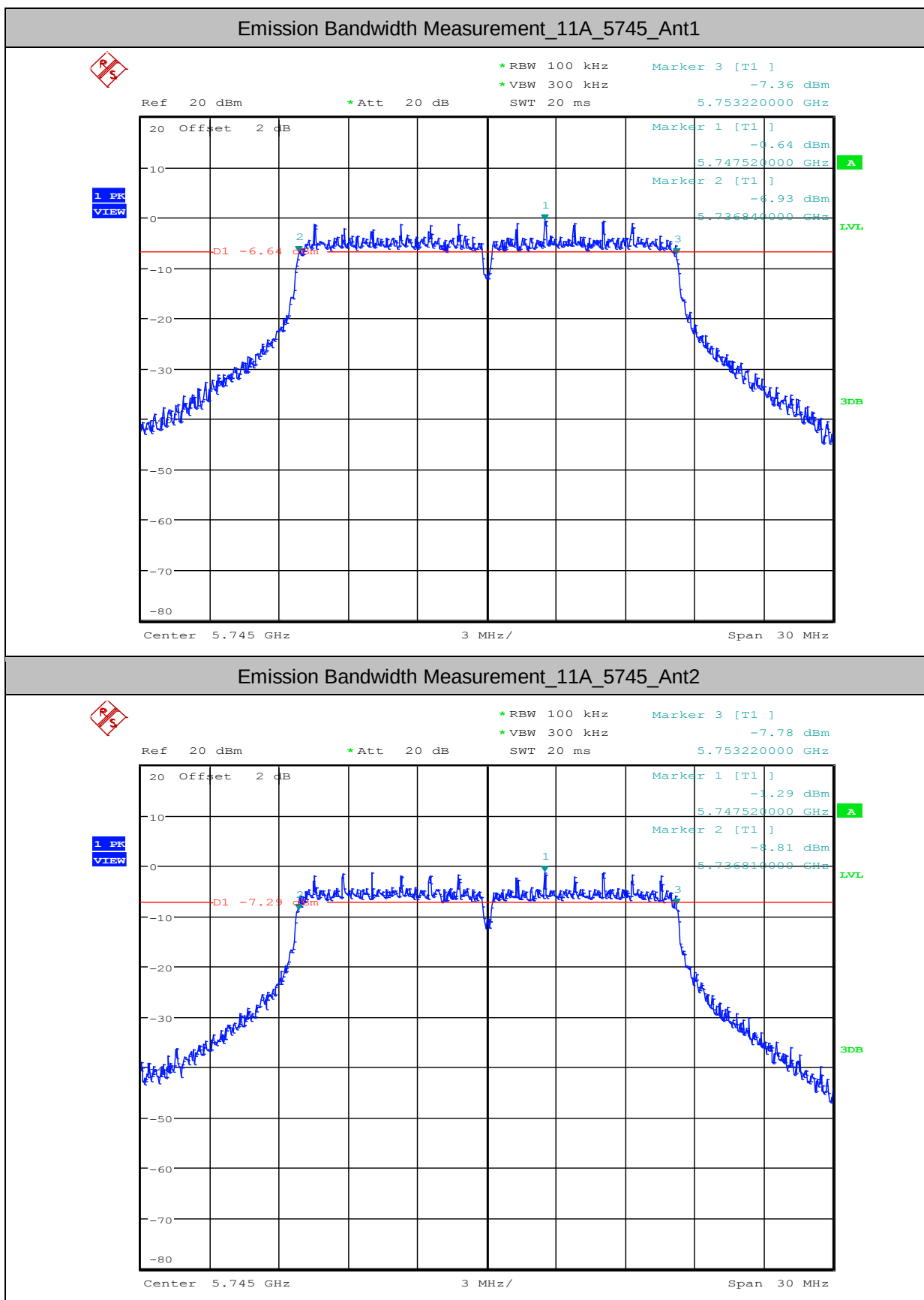
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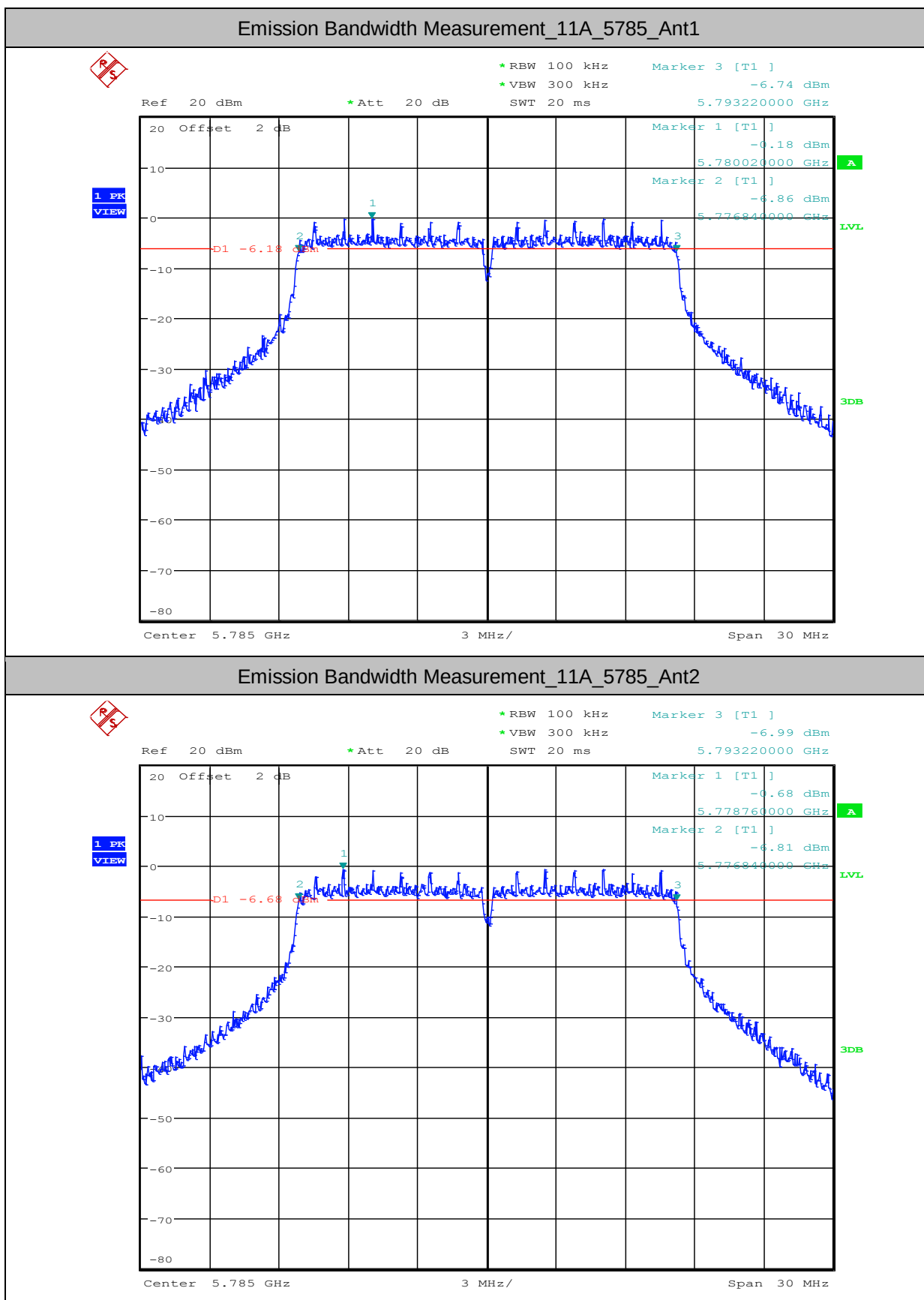
|        |      |      |        |       |      |
|--------|------|------|--------|-------|------|
| 11N40  | 5755 | Ant2 | 36.420 | >=0.5 | PASS |
| 11N40  | 5795 | Ant1 | 36.420 | >=0.5 | PASS |
| 11N40  | 5795 | Ant2 | 36.420 | >=0.5 | PASS |
| 11AC20 | 5180 | Ant1 | 23.820 | ---   | PASS |
| 11AC20 | 5180 | Ant2 | 23.580 | ---   | PASS |
| 11AC20 | 5220 | Ant1 | 23.790 | ---   | PASS |
| 11AC20 | 5220 | Ant2 | 23.730 | ---   | PASS |
| 11AC20 | 5240 | Ant1 | 23.280 | ---   | PASS |
| 11AC20 | 5240 | Ant2 | 24.120 | ---   | PASS |
| 11AC20 | 5745 | Ant1 | 17.640 | >=0.5 | PASS |
| 11AC20 | 5745 | Ant2 | 17.640 | >=0.5 | PASS |
| 11AC20 | 5785 | Ant1 | 17.640 | >=0.5 | PASS |
| 11AC20 | 5785 | Ant2 | 17.640 | >=0.5 | PASS |
| 11AC20 | 5825 | Ant1 | 17.640 | >=0.5 | PASS |
| 11AC20 | 5825 | Ant2 | 17.640 | >=0.5 | PASS |
| 11AC80 | 5210 | Ant1 | 88.200 | ---   | PASS |
| 11AC80 | 5210 | Ant2 | 89.160 | ---   | PASS |
| 11AC80 | 5775 | Ant1 | 75.840 | >=0.5 | PASS |
| 11AC80 | 5775 | Ant2 | 75.960 | >=0.5 | PASS |
| 11AC40 | 5190 | Ant1 | 45.960 | ---   | PASS |
| 11AC40 | 5190 | Ant2 | 46.380 | ---   | PASS |
| 11AC40 | 5230 | Ant1 | 47.100 | ---   | PASS |
| 11AC40 | 5230 | Ant2 | 45.540 | ---   | PASS |
| 11AC40 | 5755 | Ant1 | 36.420 | >=0.5 | PASS |
| 11AC40 | 5755 | Ant2 | 36.420 | >=0.5 | PASS |
| 11AC40 | 5795 | Ant1 | 36.420 | >=0.5 | PASS |
| 11AC40 | 5795 | Ant2 | 36.420 | >=0.5 | PASS |

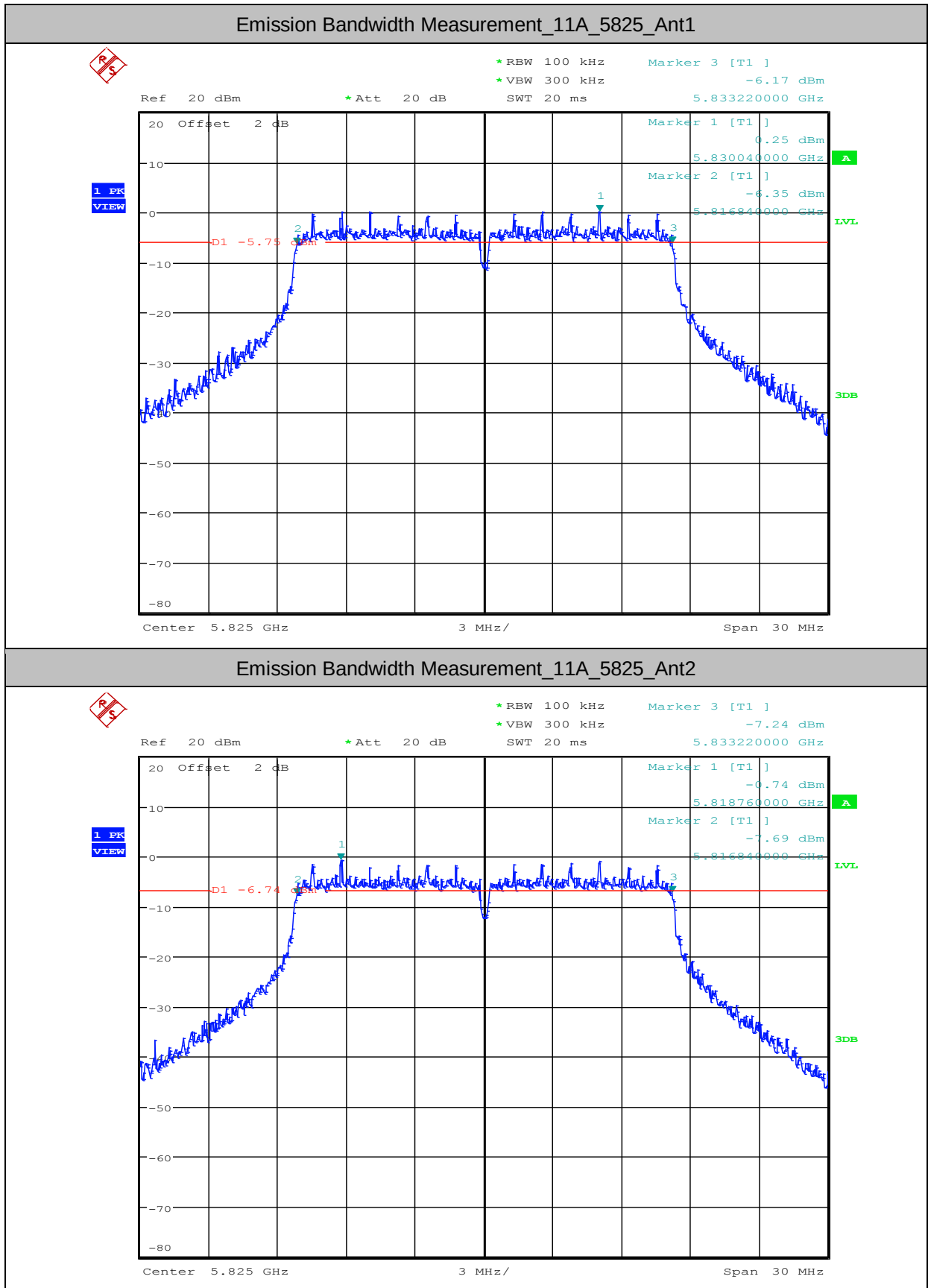


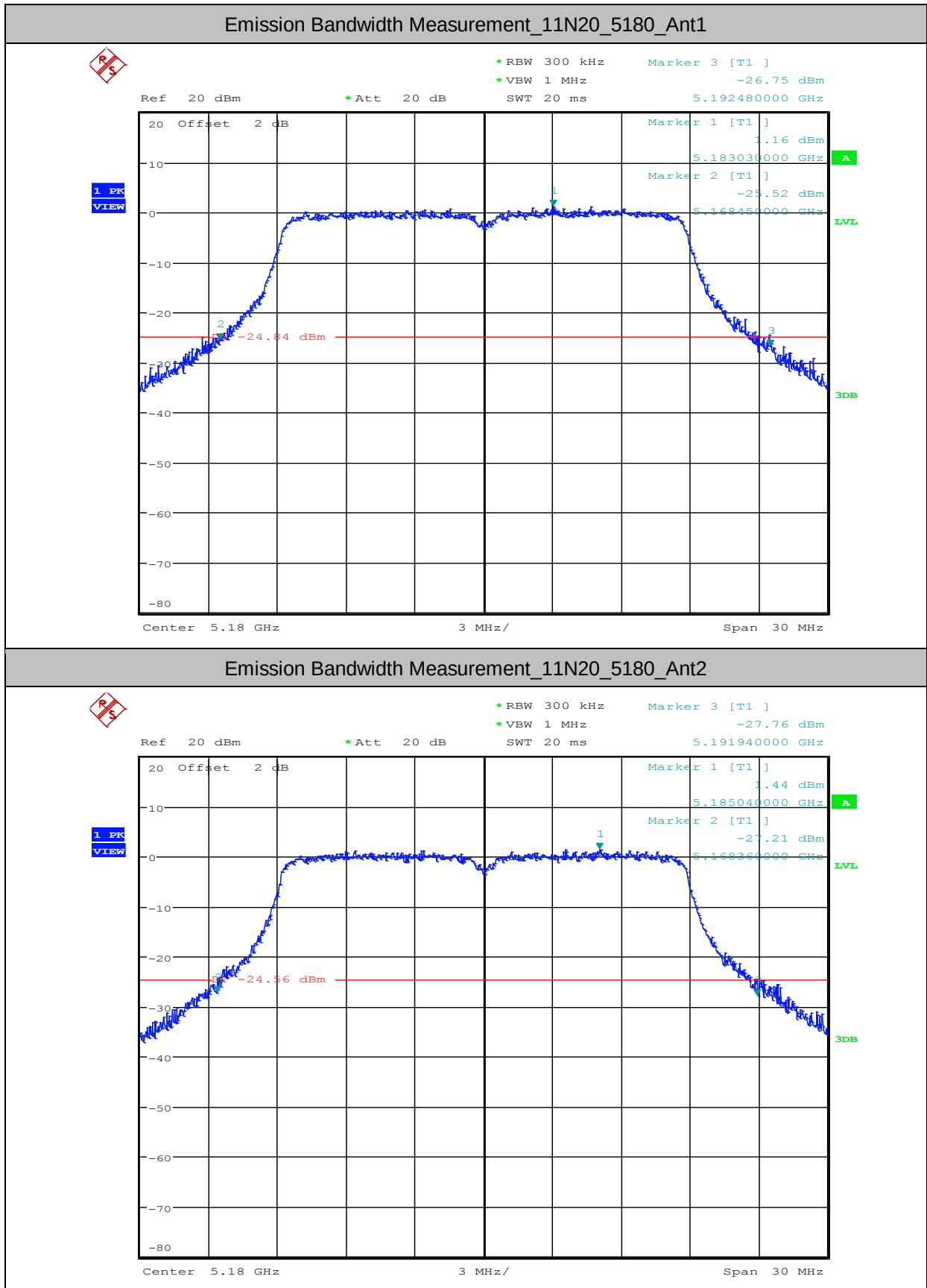


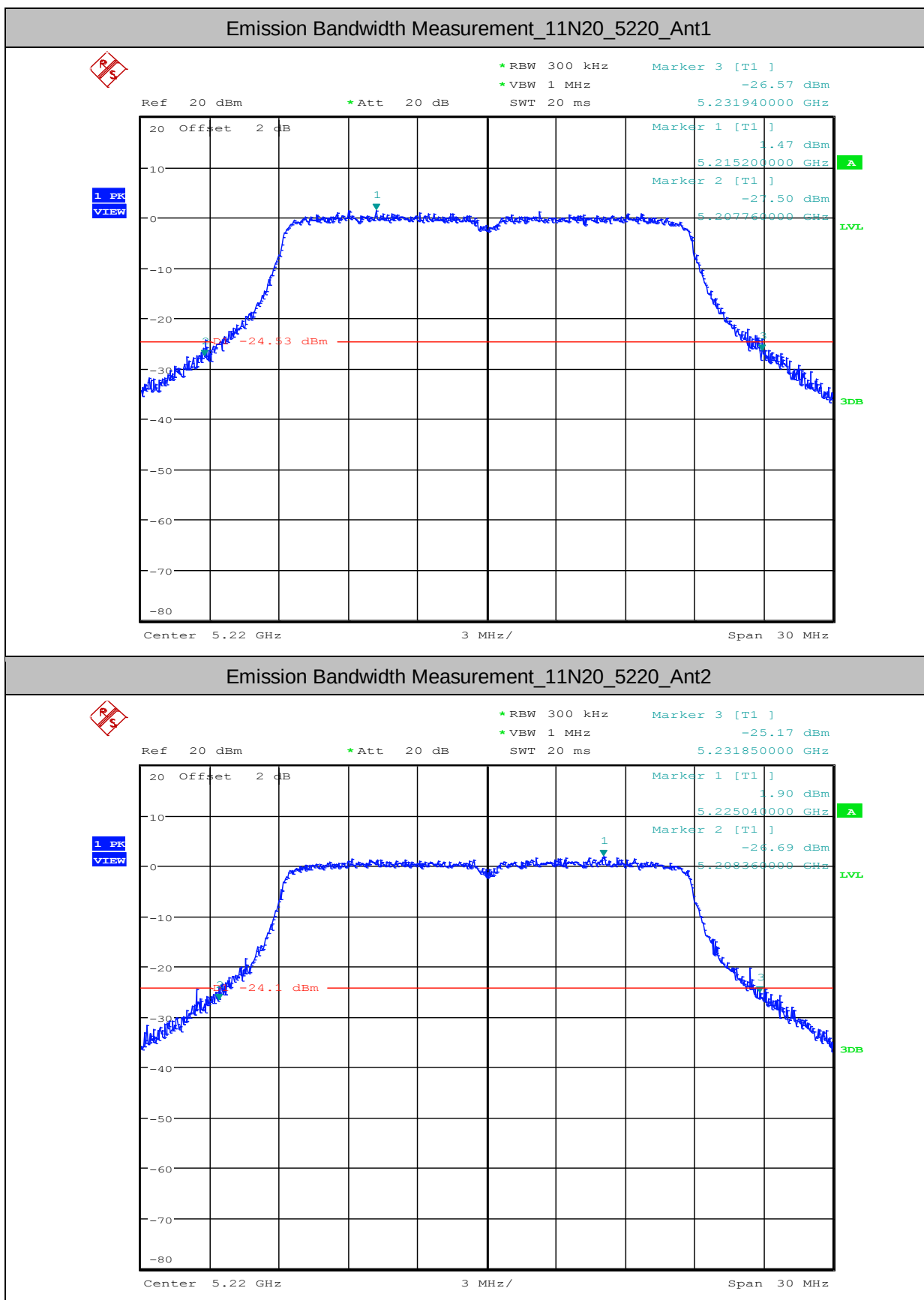


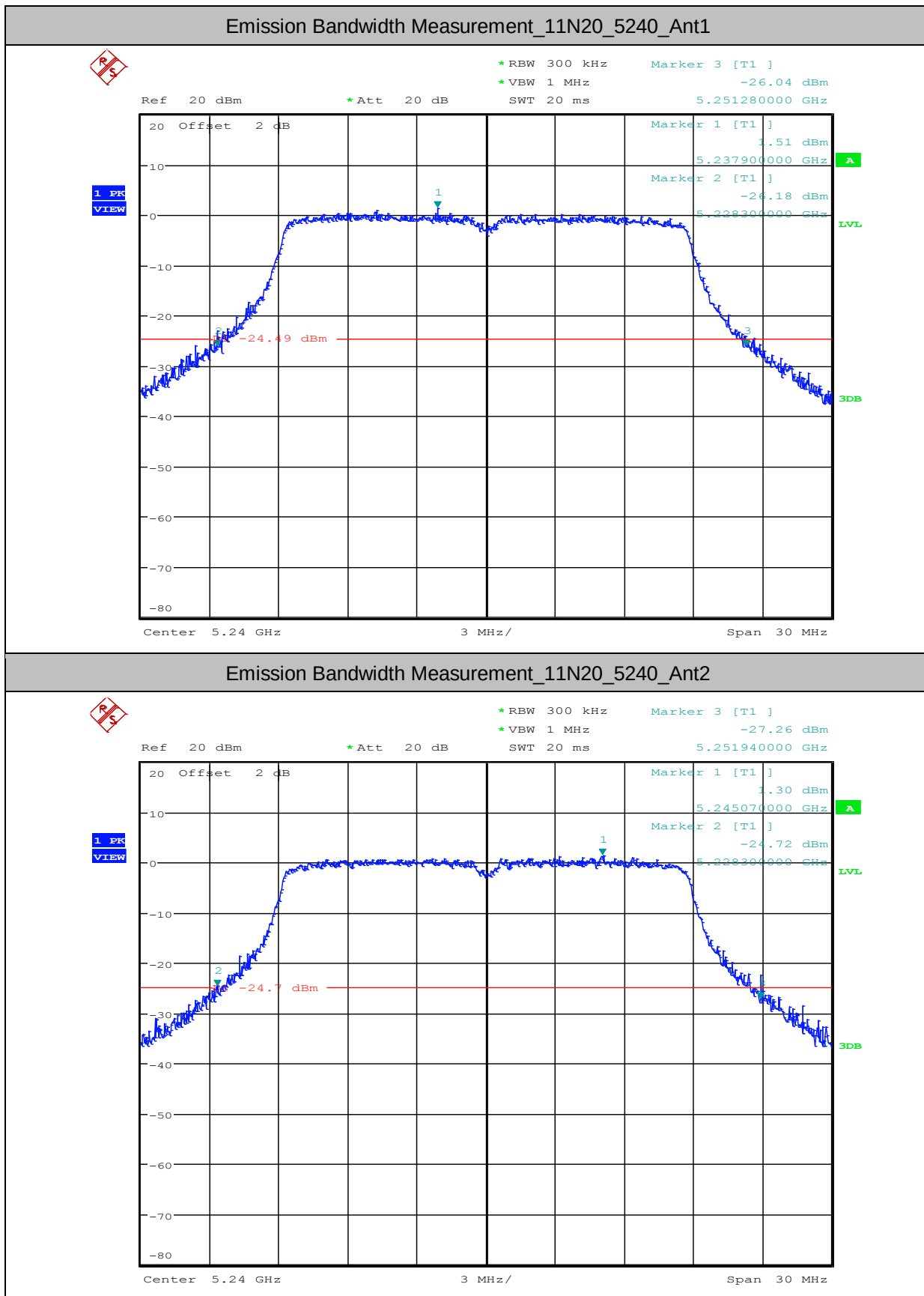


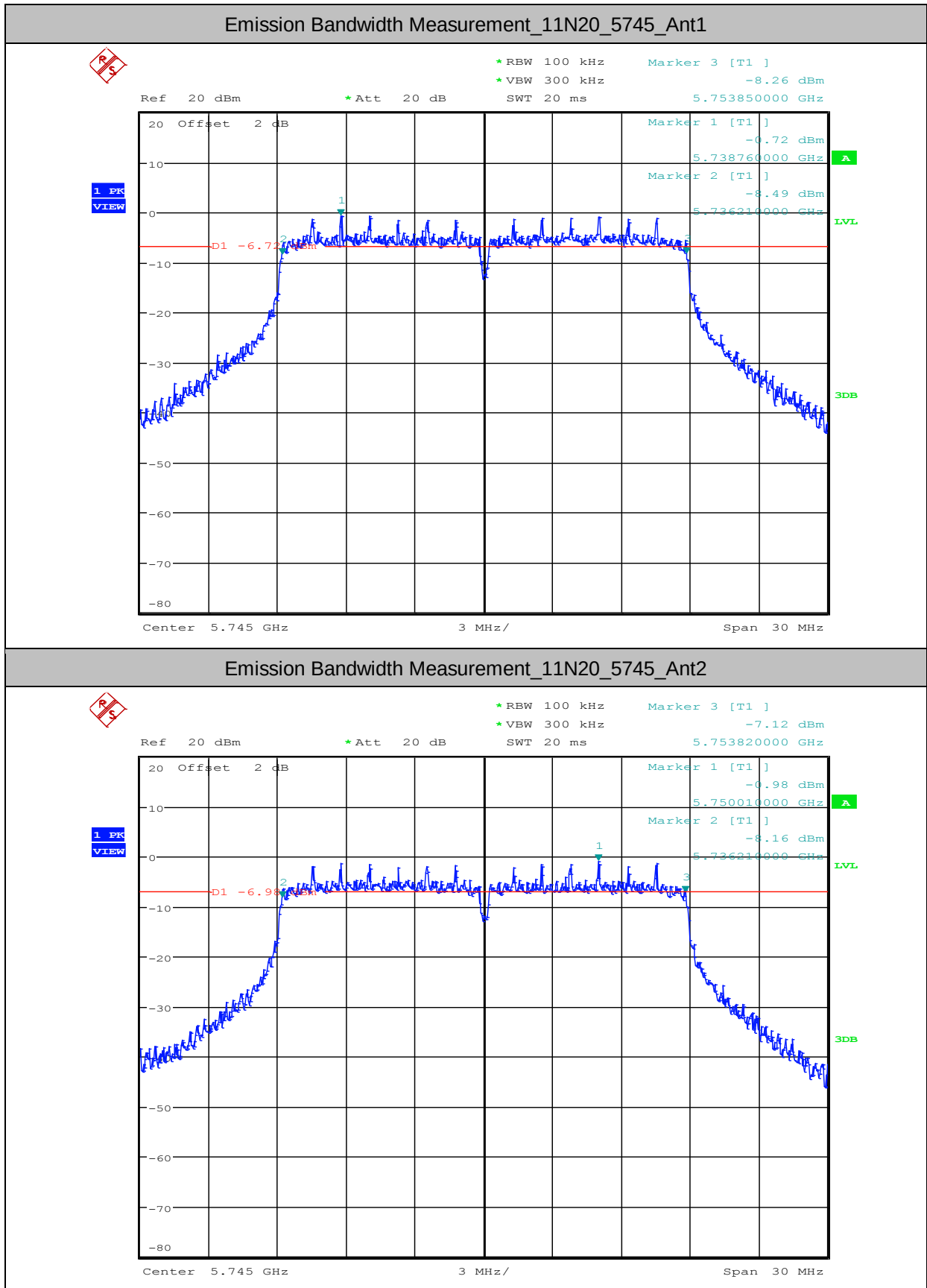


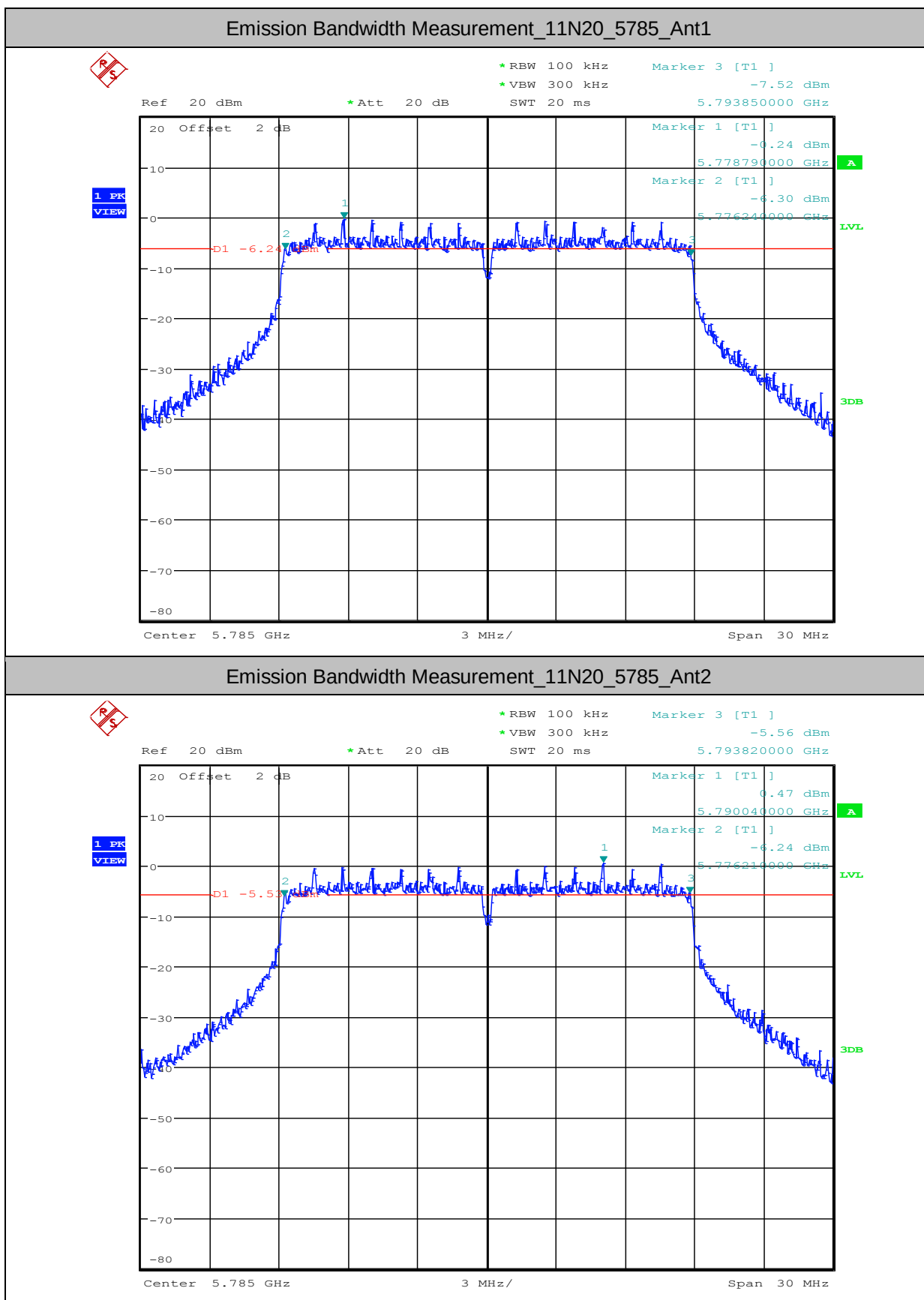


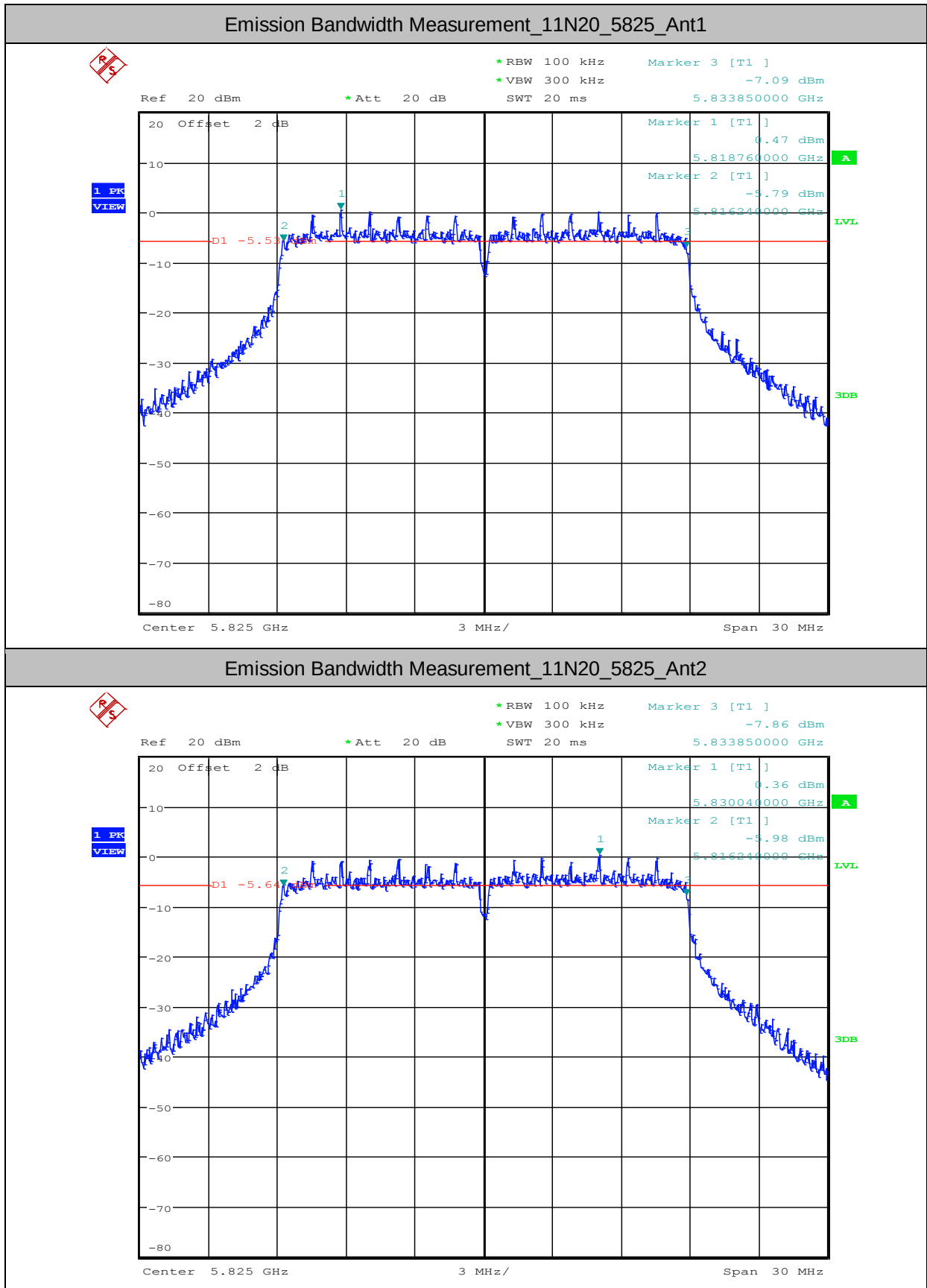


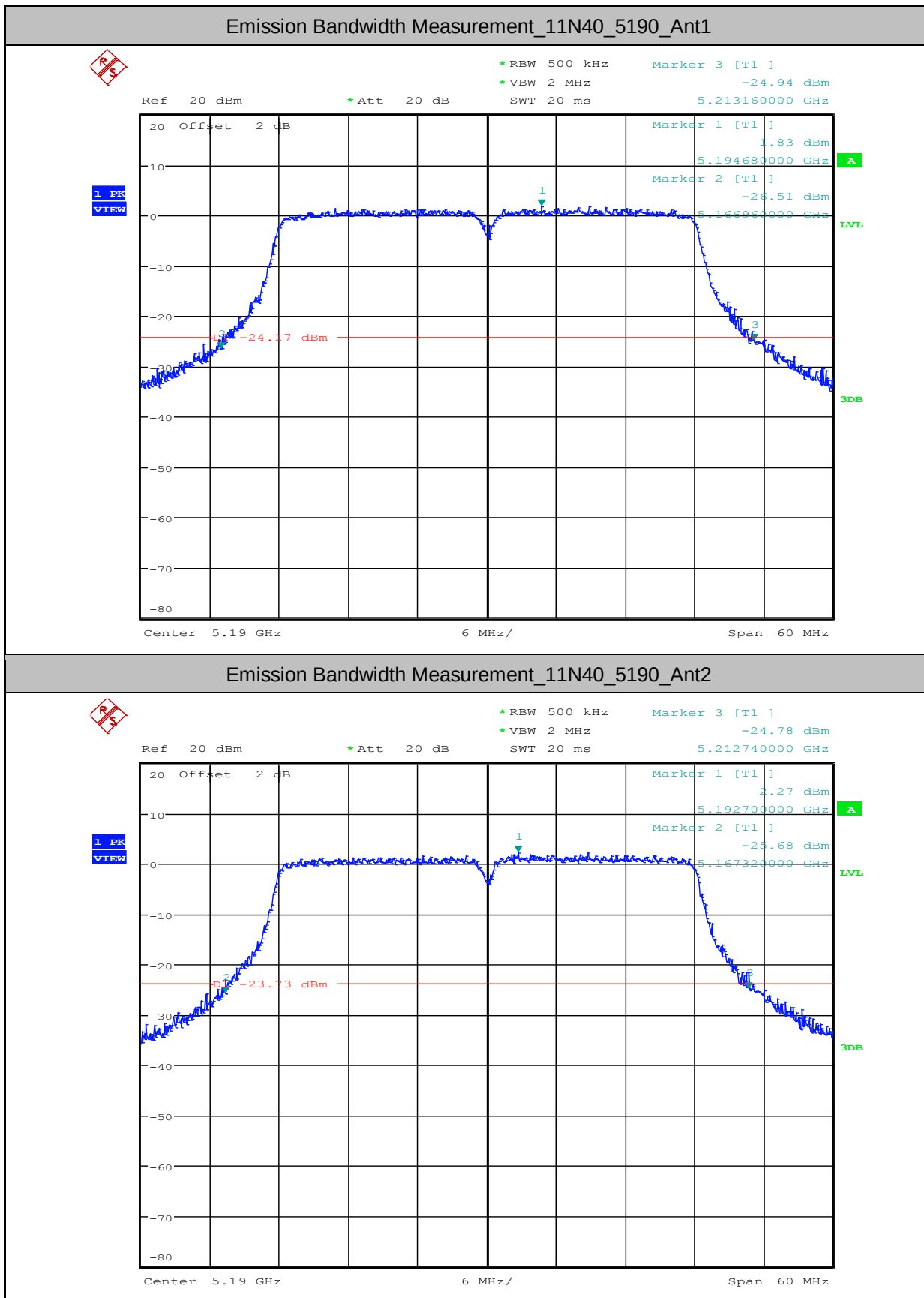


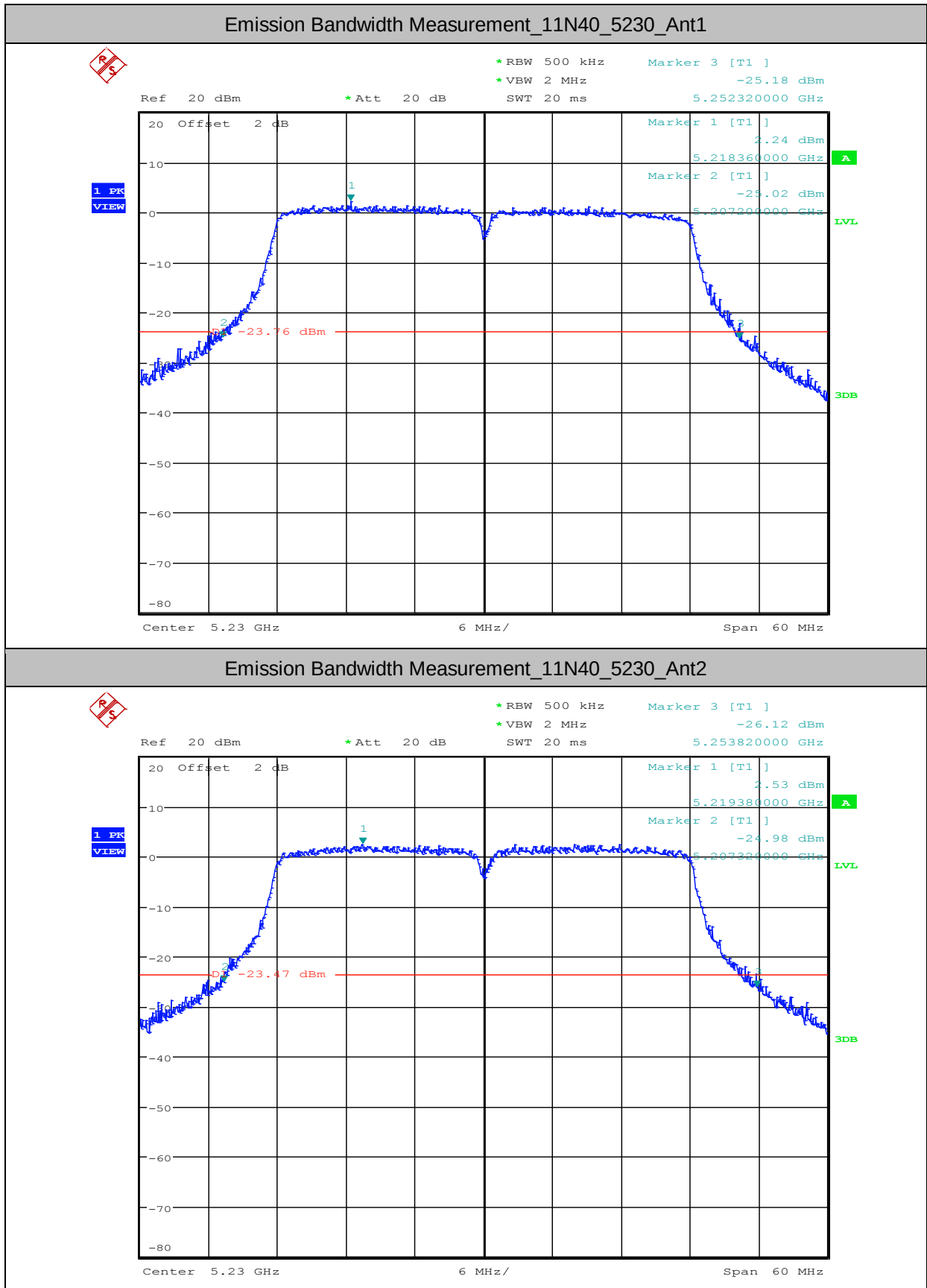


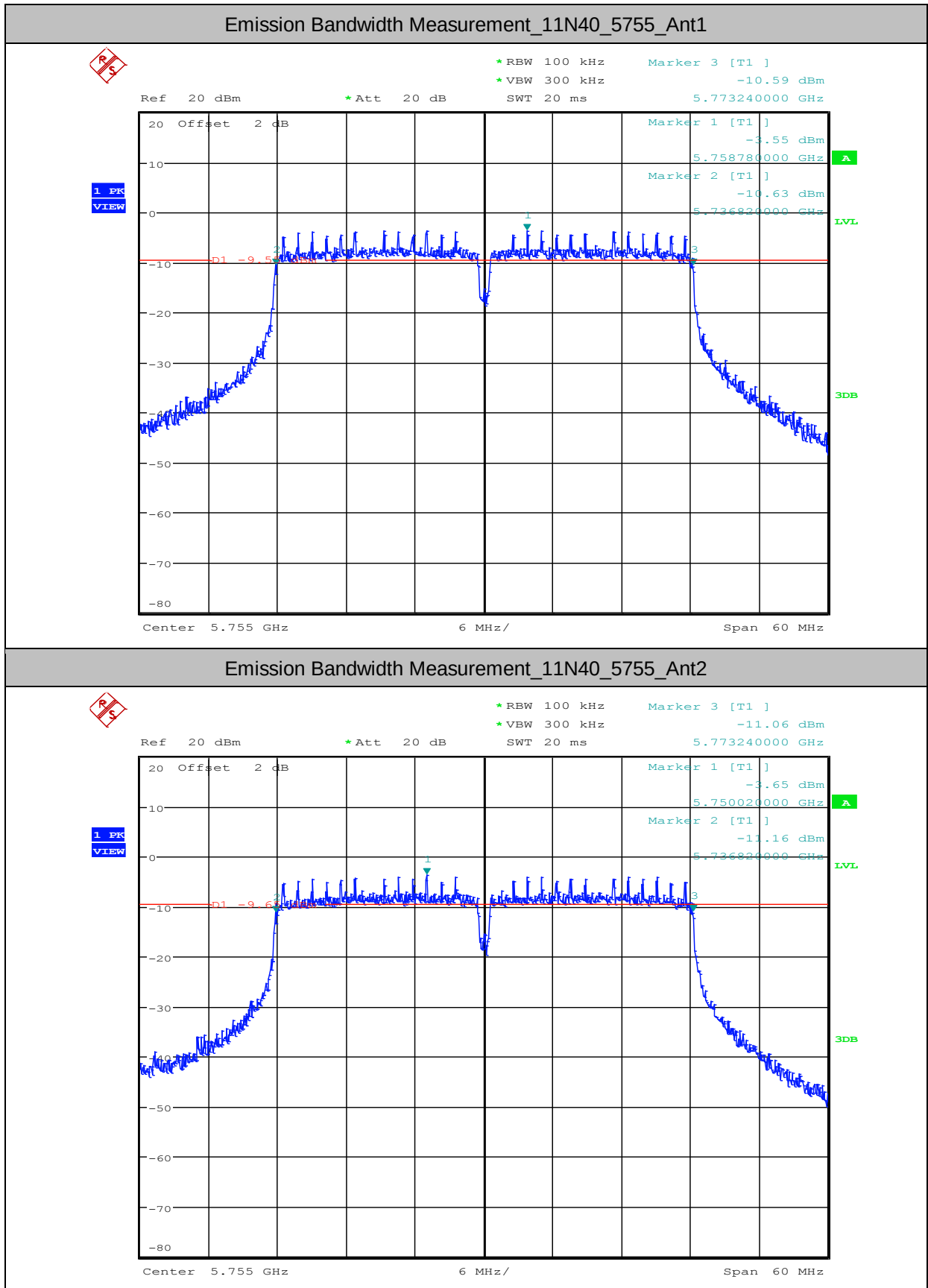


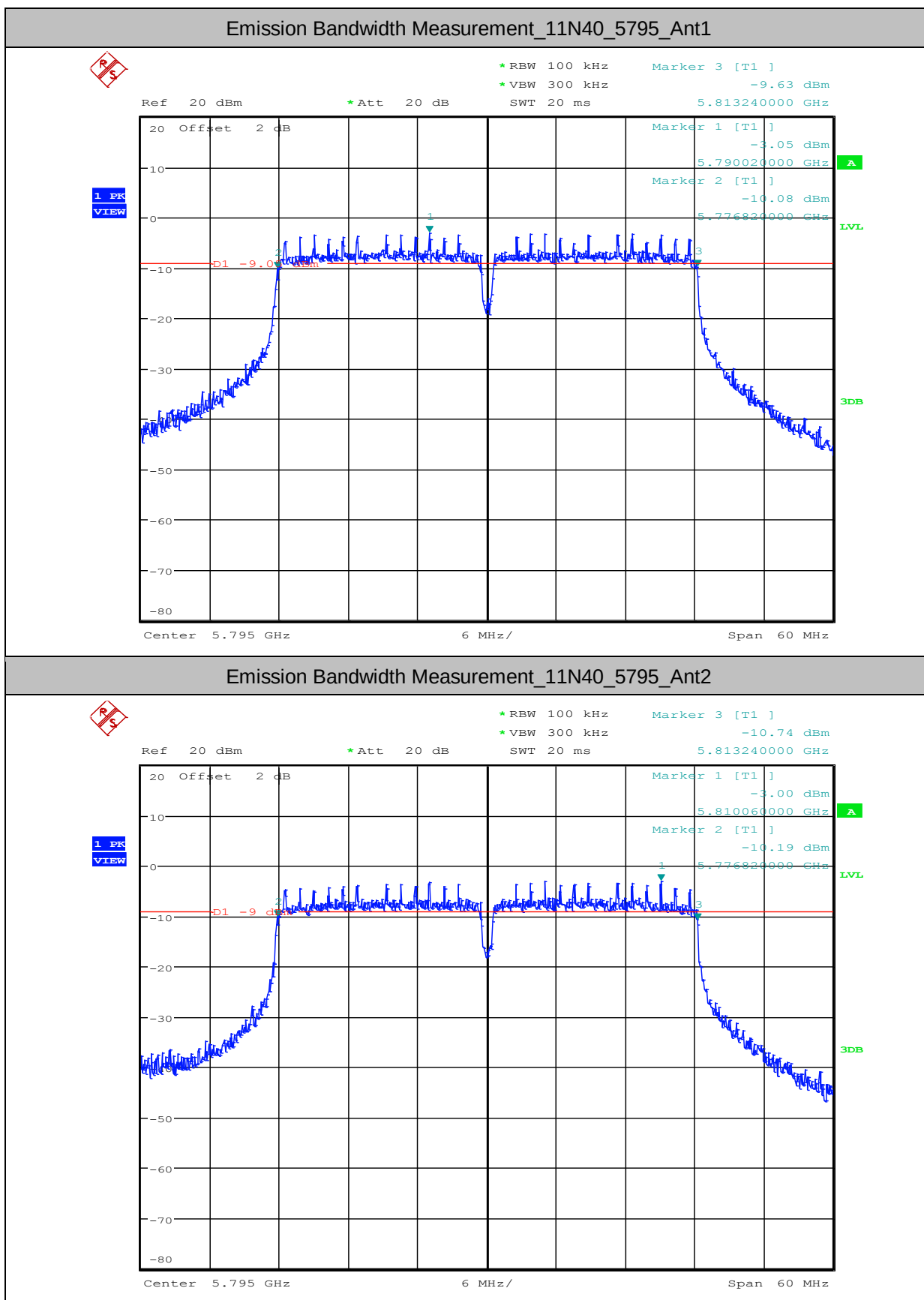


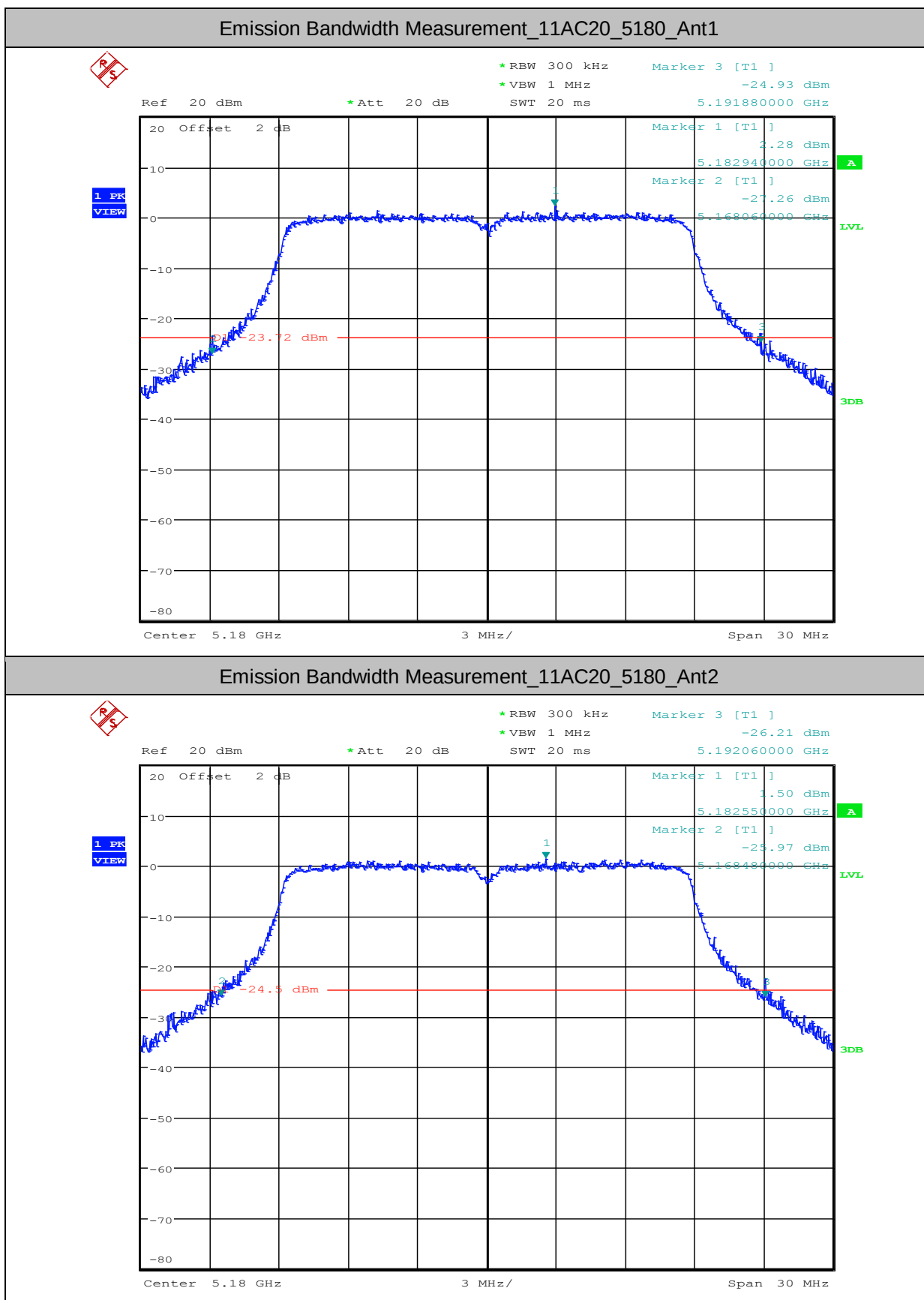


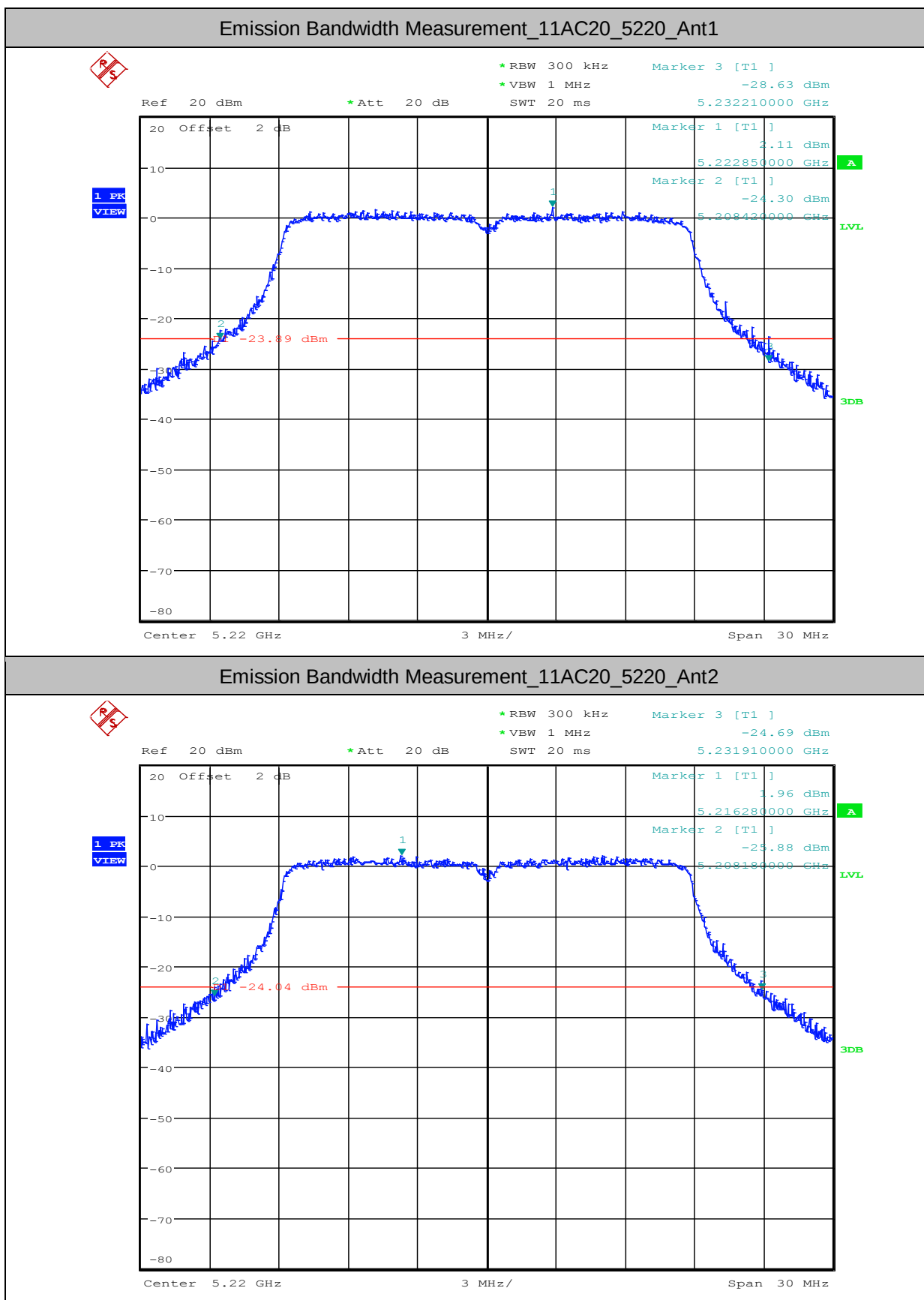


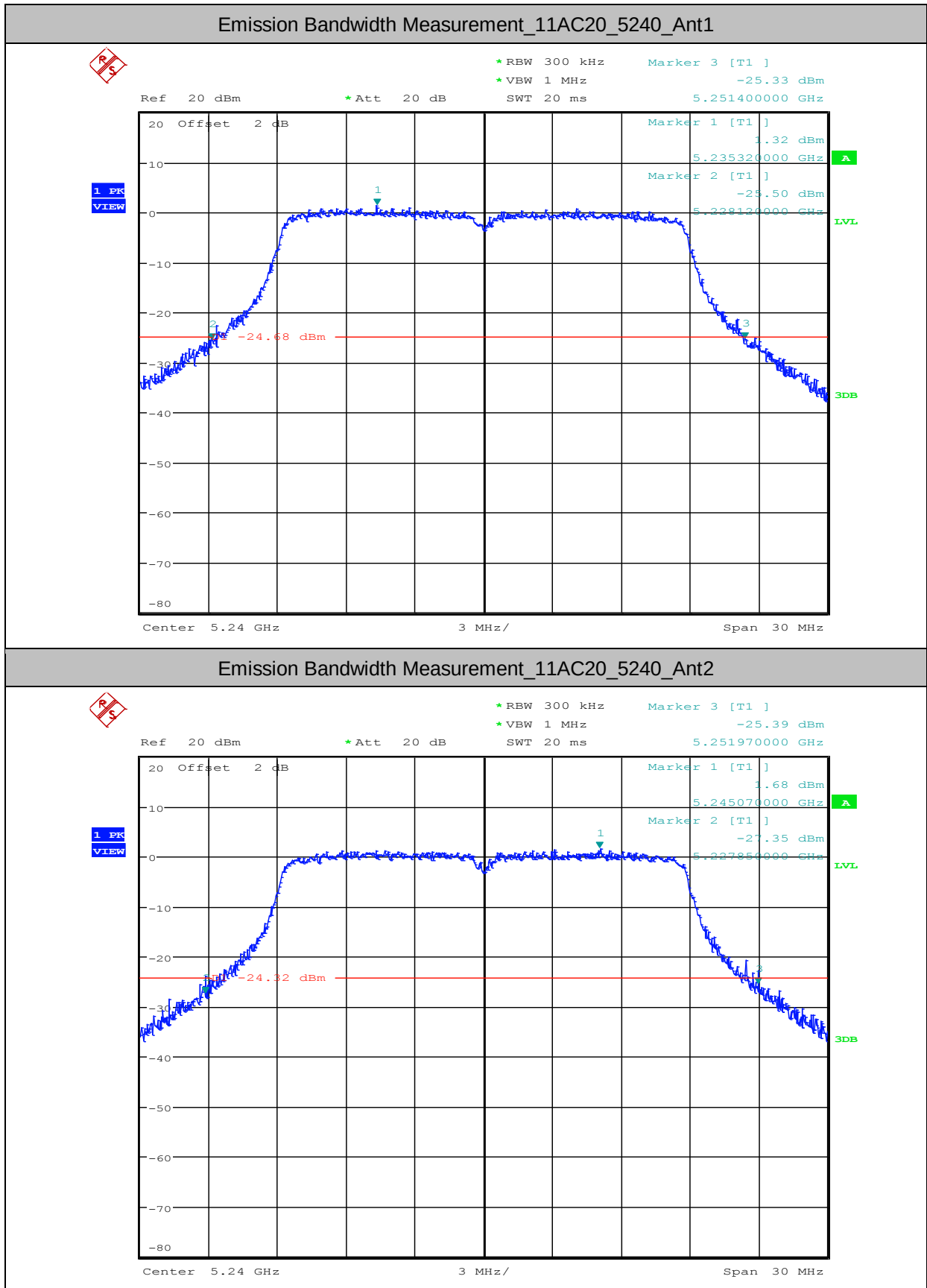


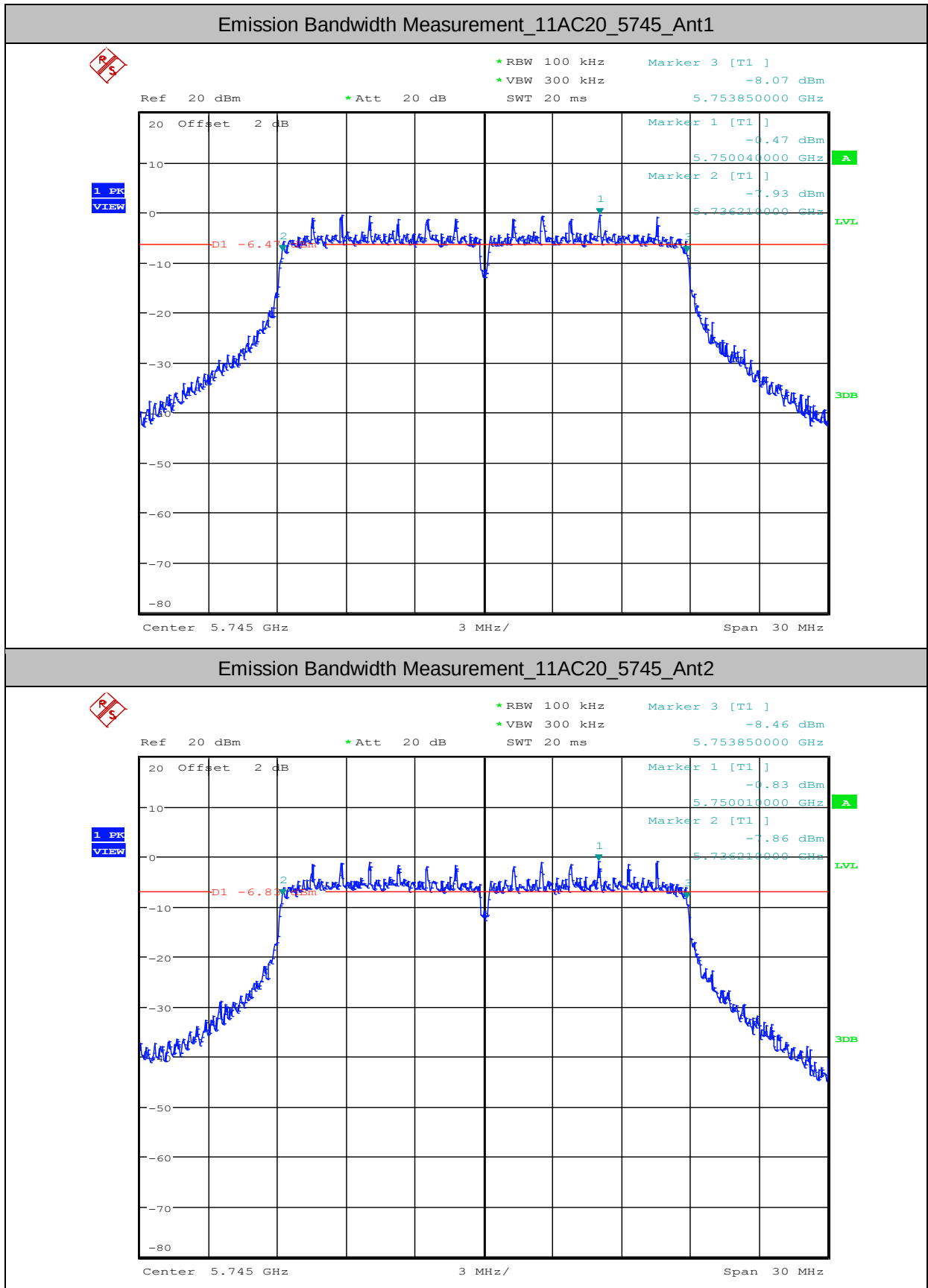


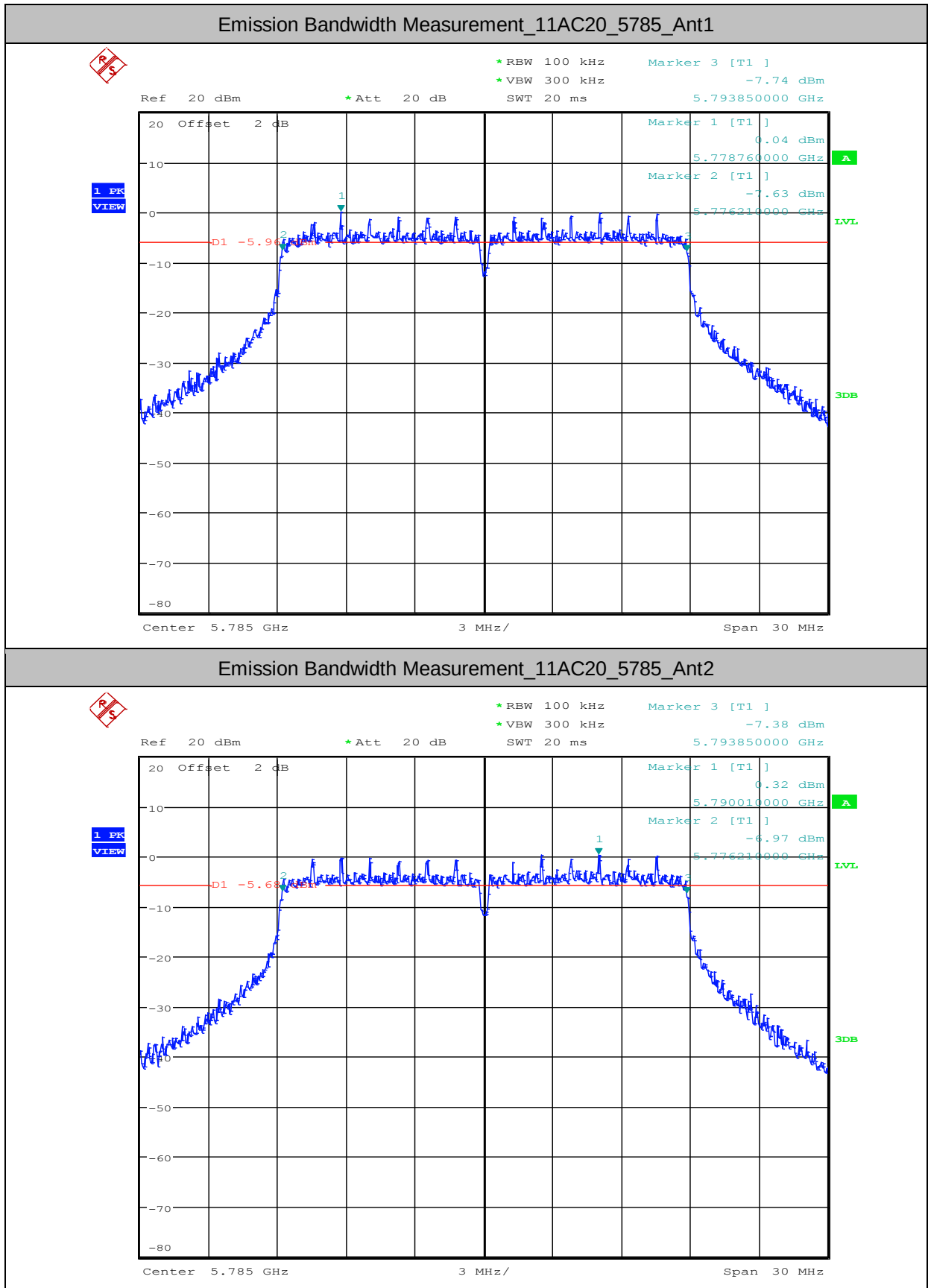


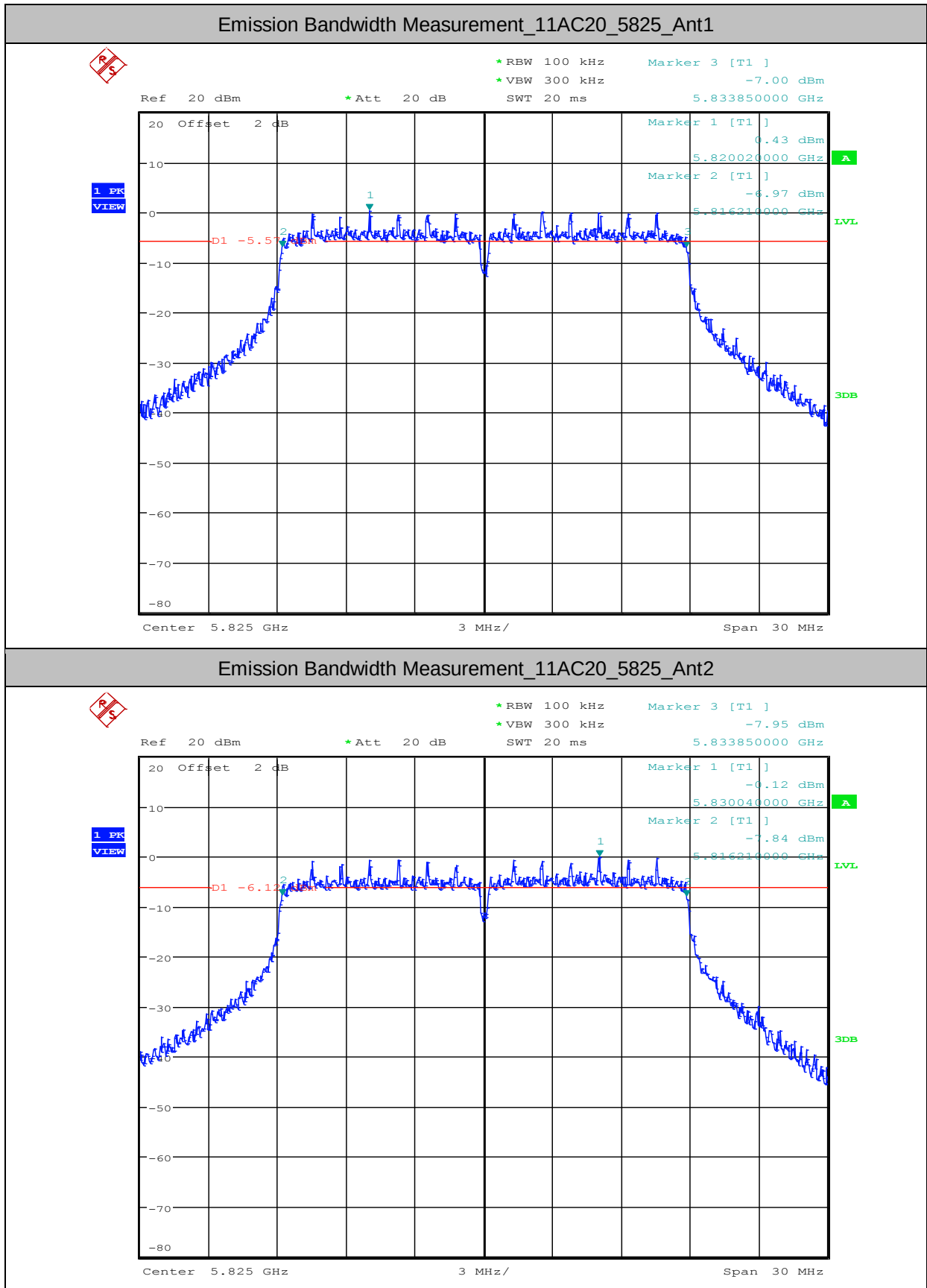


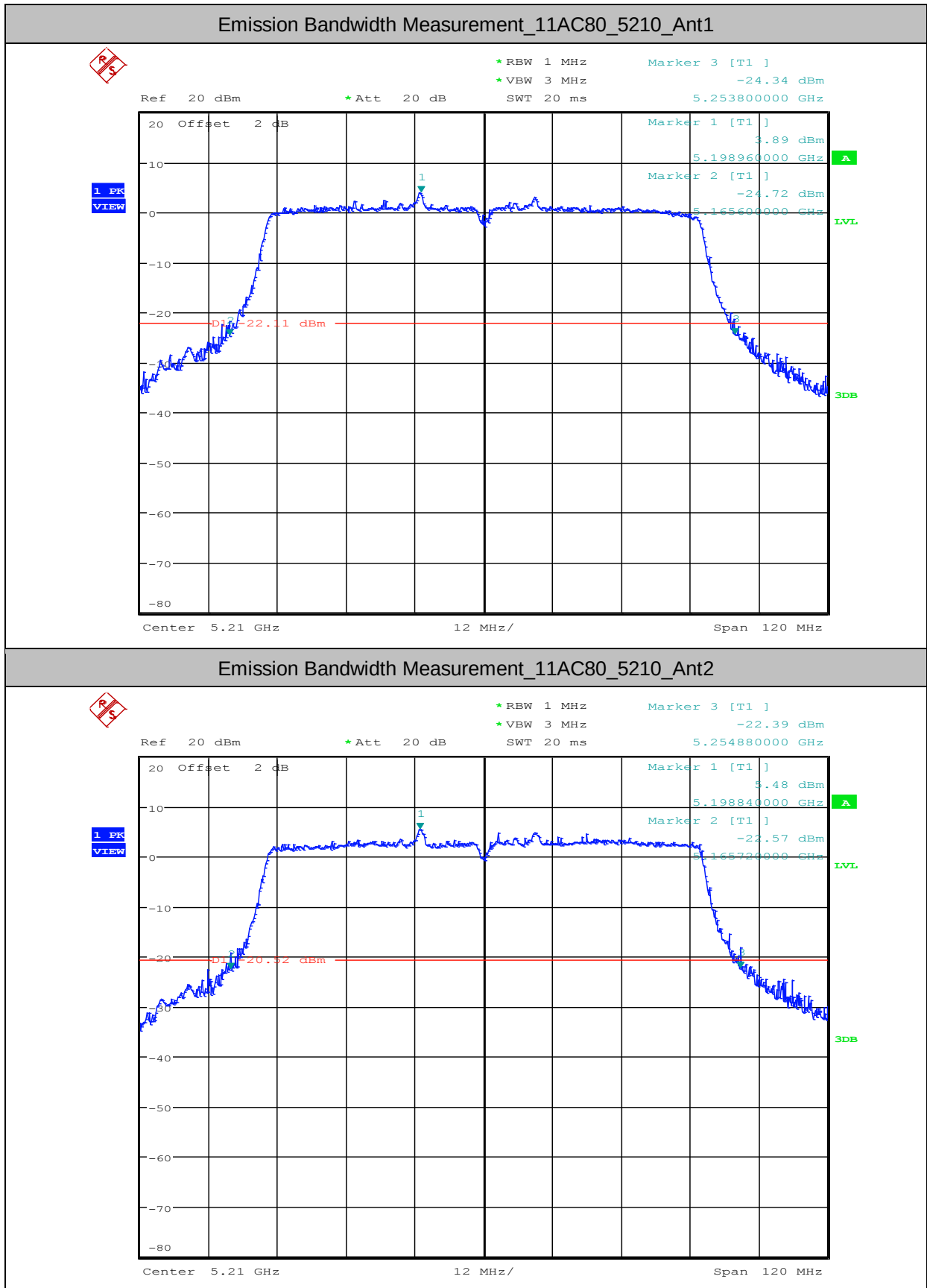


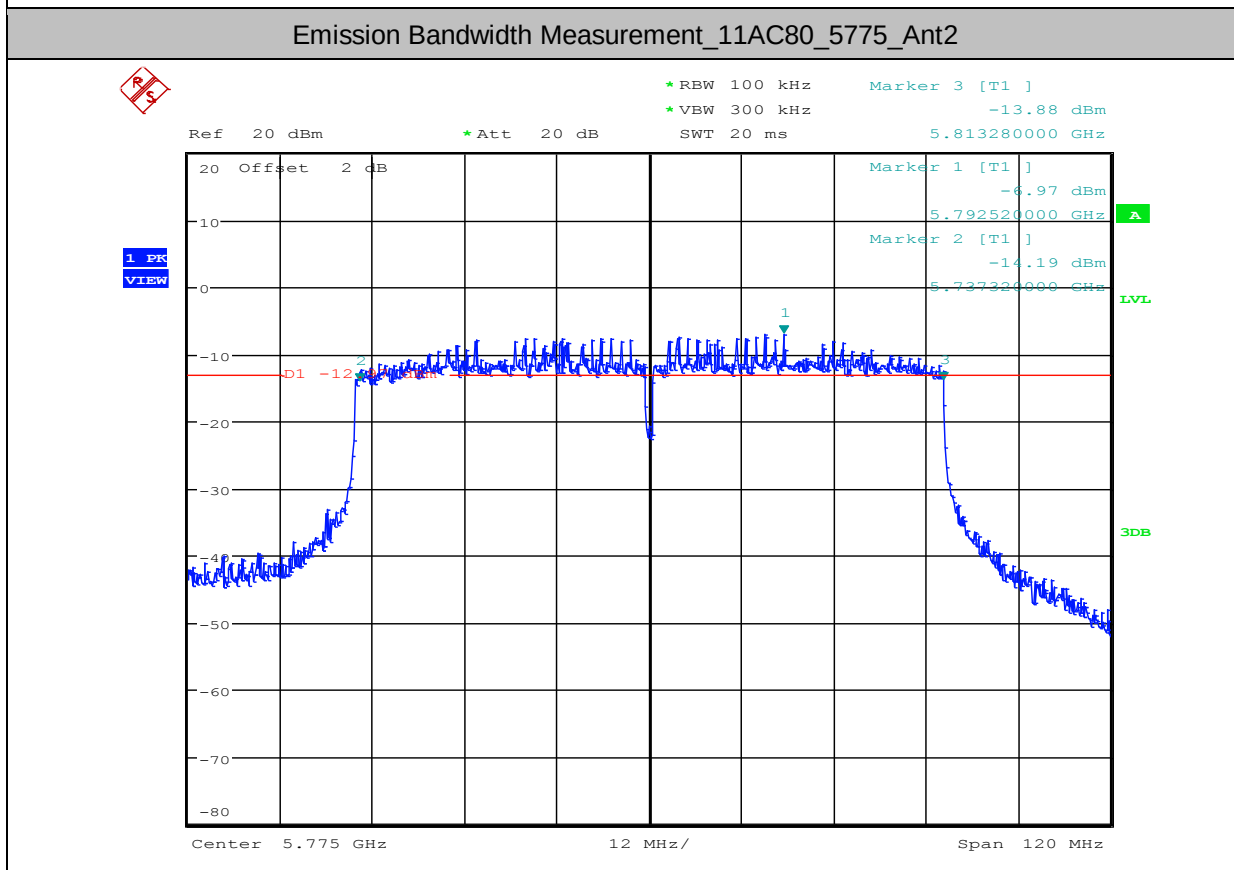


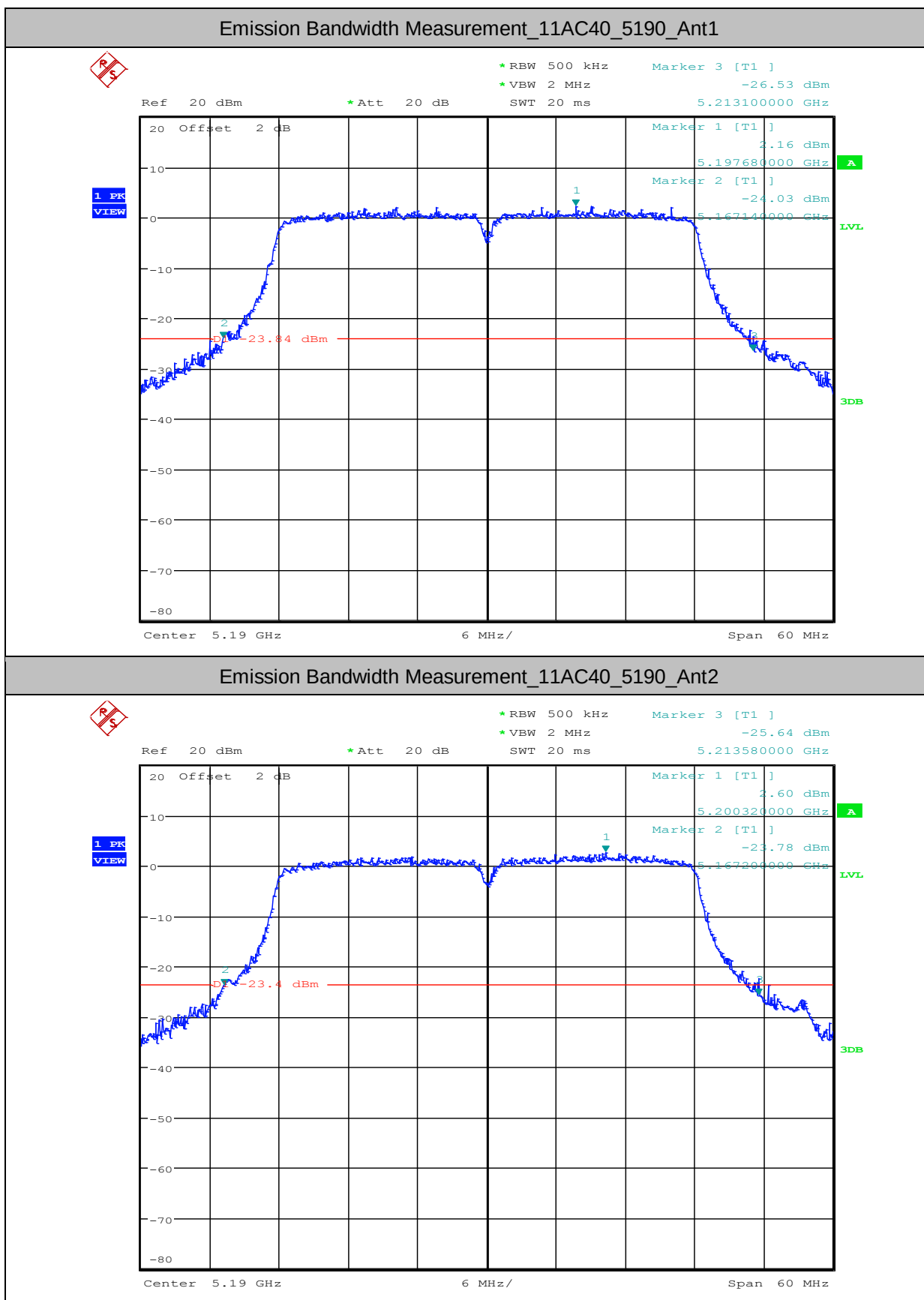


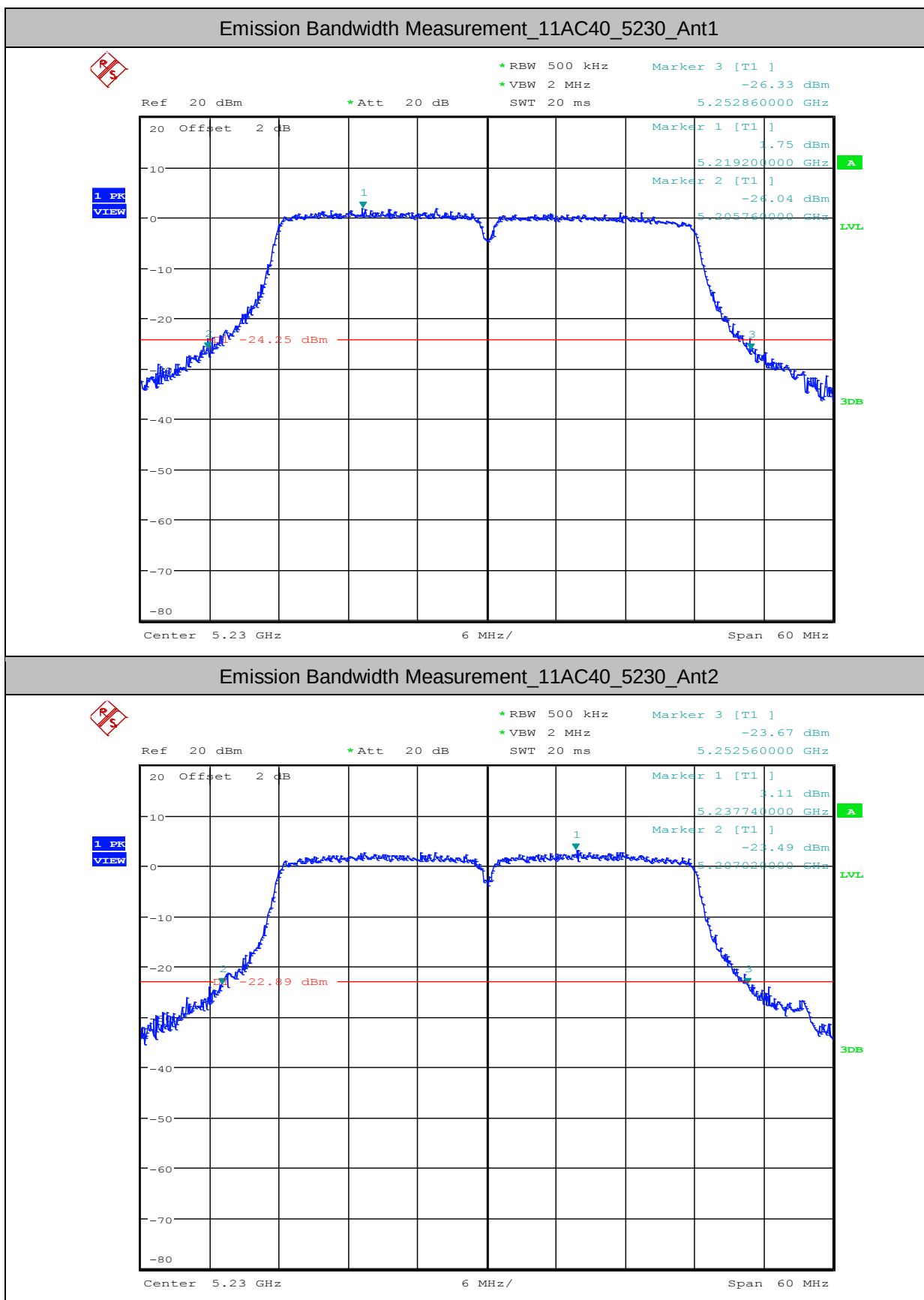


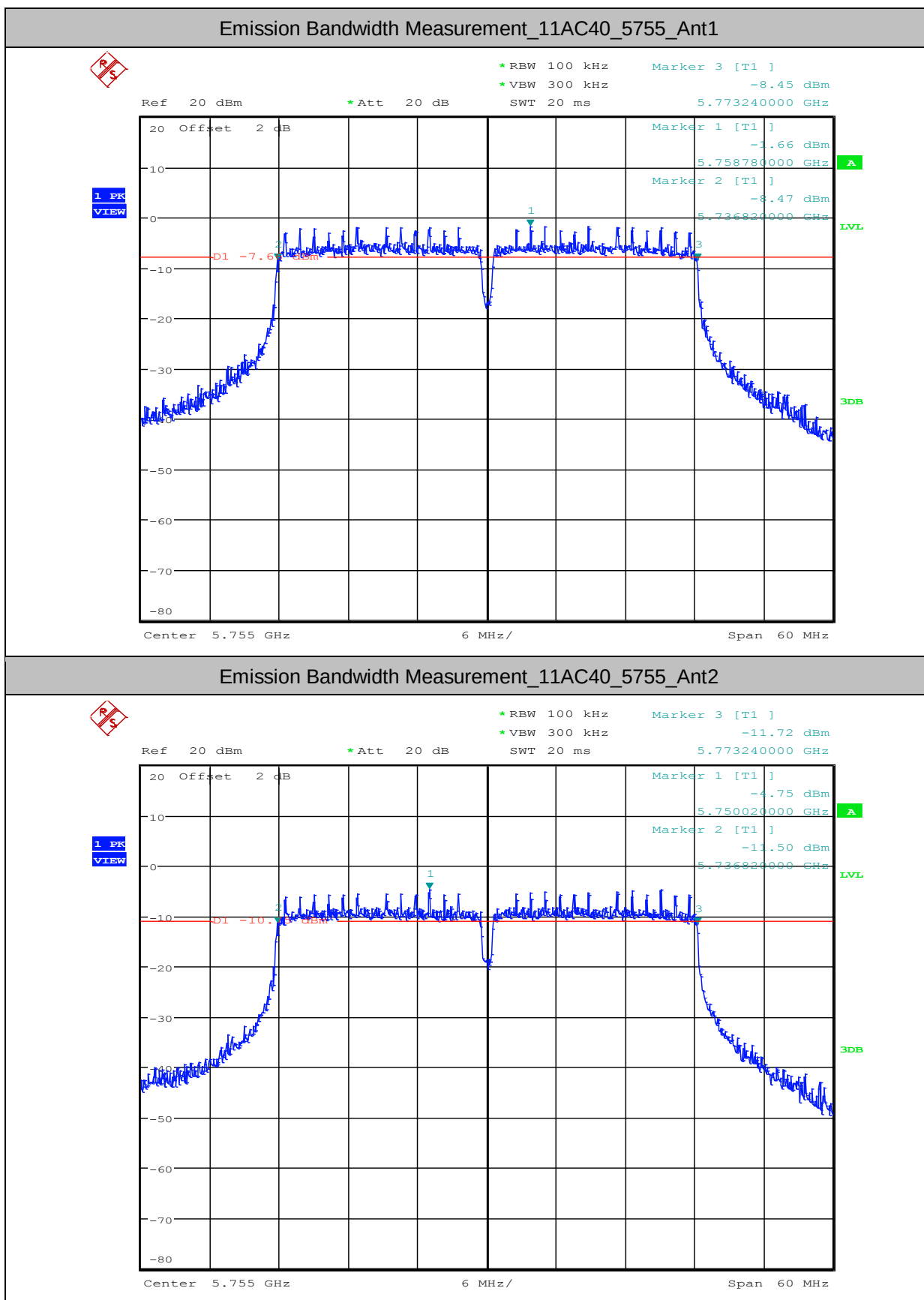


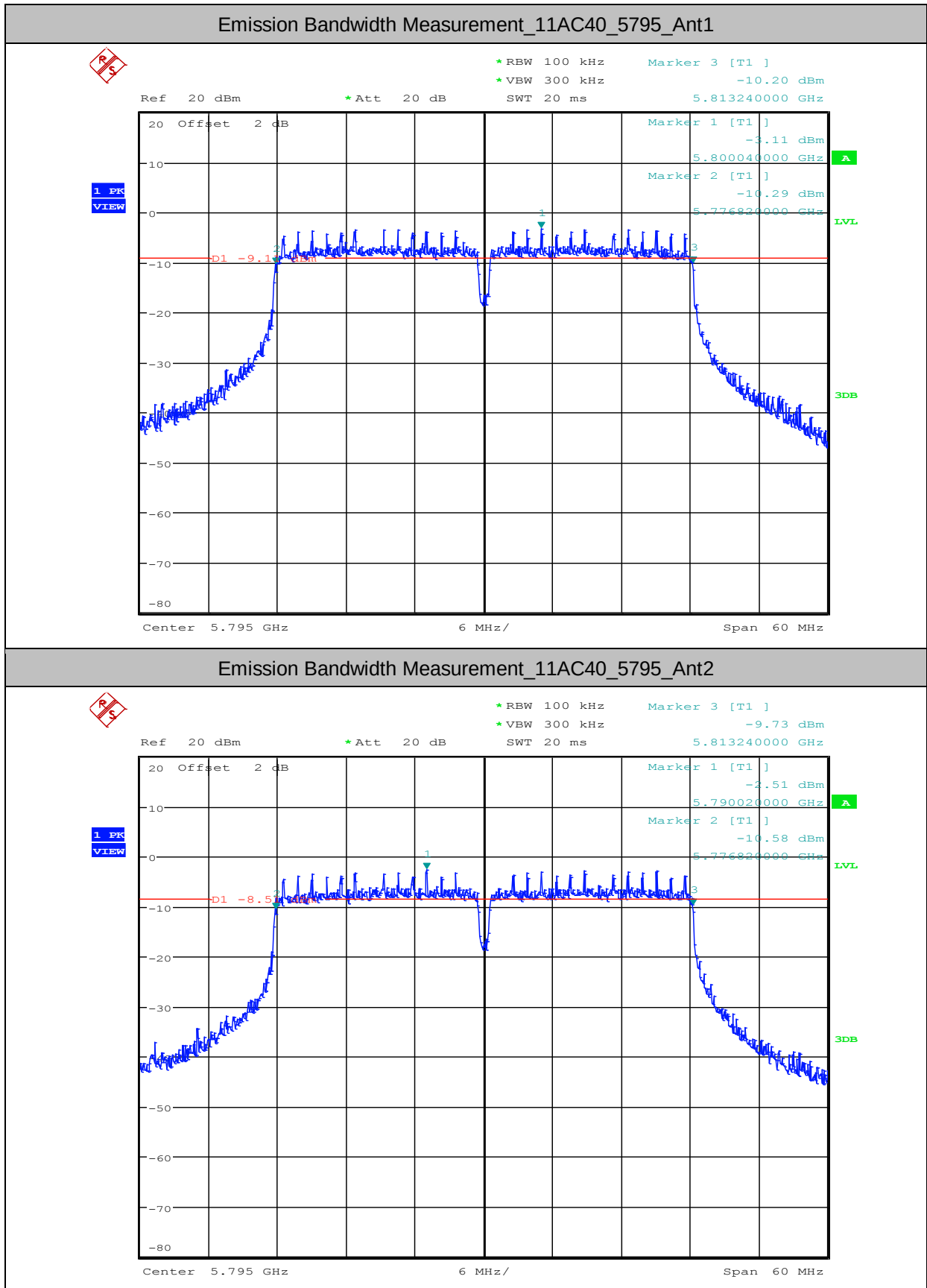














## 2.Occupied Bandwidth Measurement

| Test Mode | Test Channel | Ant  | OBW[MHz] | Limit[MHz] | Verdict |
|-----------|--------------|------|----------|------------|---------|
| 11A       | 5180         | Ant1 | 16.920   | ---        | PASS    |
| 11A       | 5180         | Ant2 | 16.920   | ---        | PASS    |
| 11A       | 5220         | Ant1 | 16.860   | ---        | PASS    |
| 11A       | 5220         | Ant2 | 16.920   | ---        | PASS    |
| 11A       | 5240         | Ant1 | 16.890   | ---        | PASS    |
| 11A       | 5240         | Ant2 | 16.920   | ---        | PASS    |
| 11A       | 5745         | Ant1 | 16.920   | ---        | PASS    |
| 11A       | 5745         | Ant2 | 16.860   | ---        | PASS    |
| 11A       | 5785         | Ant1 | 16.920   | ---        | PASS    |
| 11A       | 5785         | Ant2 | 16.860   | ---        | PASS    |
| 11A       | 5825         | Ant1 | 16.920   | ---        | PASS    |
| 11A       | 5825         | Ant2 | 16.890   | ---        | PASS    |
| 11N20     | 5180         | Ant1 | 18.000   | ---        | PASS    |
| 11N20     | 5180         | Ant2 | 17.940   | ---        | PASS    |
| 11N20     | 5220         | Ant1 | 17.970   | ---        | PASS    |
| 11N20     | 5220         | Ant2 | 17.880   | ---        | PASS    |
| 11N20     | 5240         | Ant1 | 17.970   | ---        | PASS    |
| 11N20     | 5240         | Ant2 | 17.910   | ---        | PASS    |
| 11N20     | 5745         | Ant1 | 18.000   | ---        | PASS    |
| 11N20     | 5745         | Ant2 | 17.940   | ---        | PASS    |
| 11N20     | 5785         | Ant1 | 18.000   | ---        | PASS    |
| 11N20     | 5785         | Ant2 | 17.910   | ---        | PASS    |
| 11N20     | 5825         | Ant1 | 18.000   | ---        | PASS    |
| 11N20     | 5825         | Ant2 | 17.940   | ---        | PASS    |
| 11N40     | 5190         | Ant1 | 36.720   | ---        | PASS    |
| 11N40     | 5190         | Ant2 | 36.660   | ---        | PASS    |
| 11N40     | 5230         | Ant1 | 36.720   | ---        | PASS    |
| 11N40     | 5230         | Ant2 | 36.600   | ---        | PASS    |
| 11N40     | 5755         | Ant1 | 36.660   | ---        | PASS    |
| 11N40     | 5755         | Ant2 | 36.540   | ---        | PASS    |
| 11N40     | 5795         | Ant1 | 36.660   | ---        | PASS    |
| 11N40     | 5795         | Ant2 | 36.540   | ---        | PASS    |

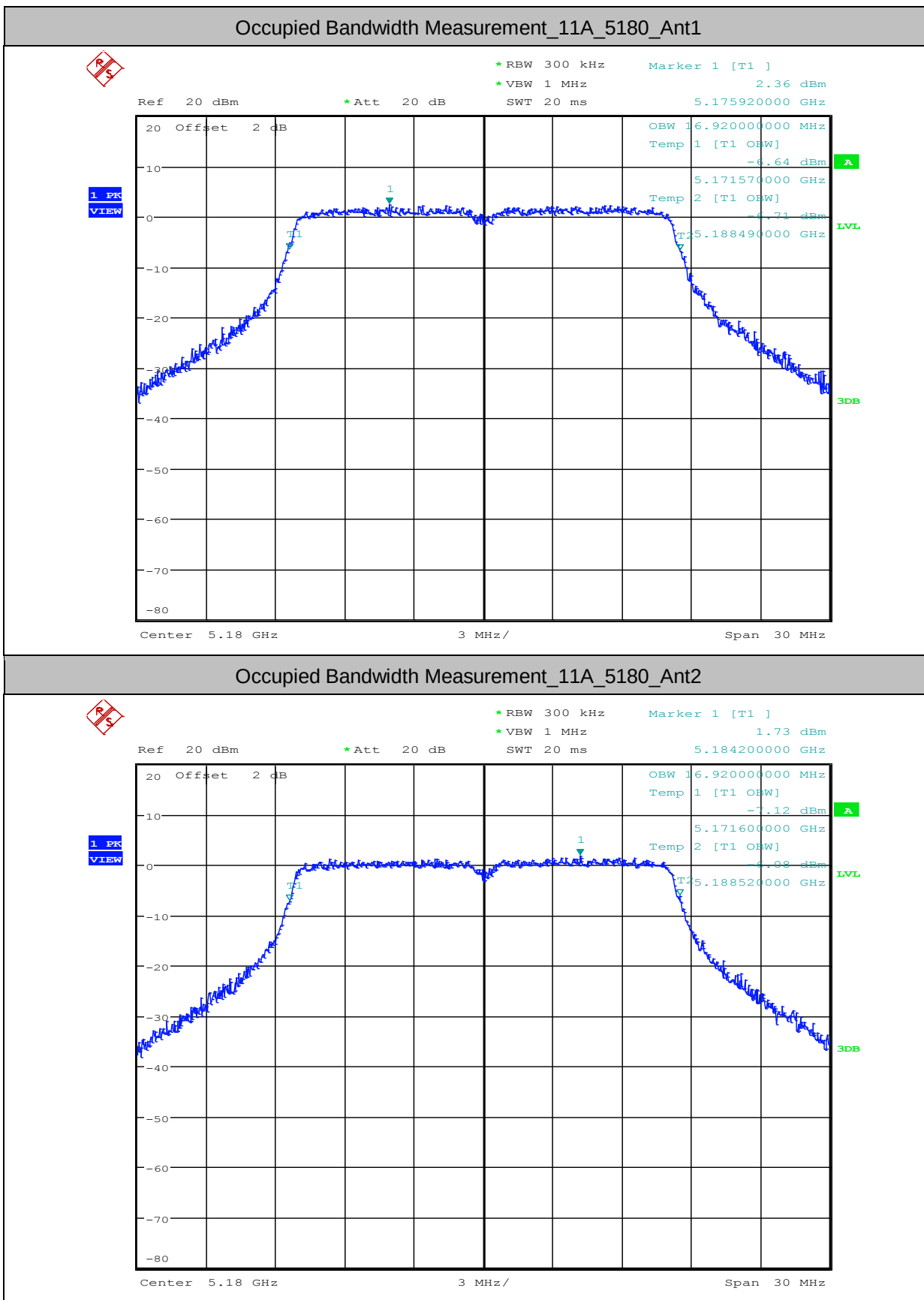


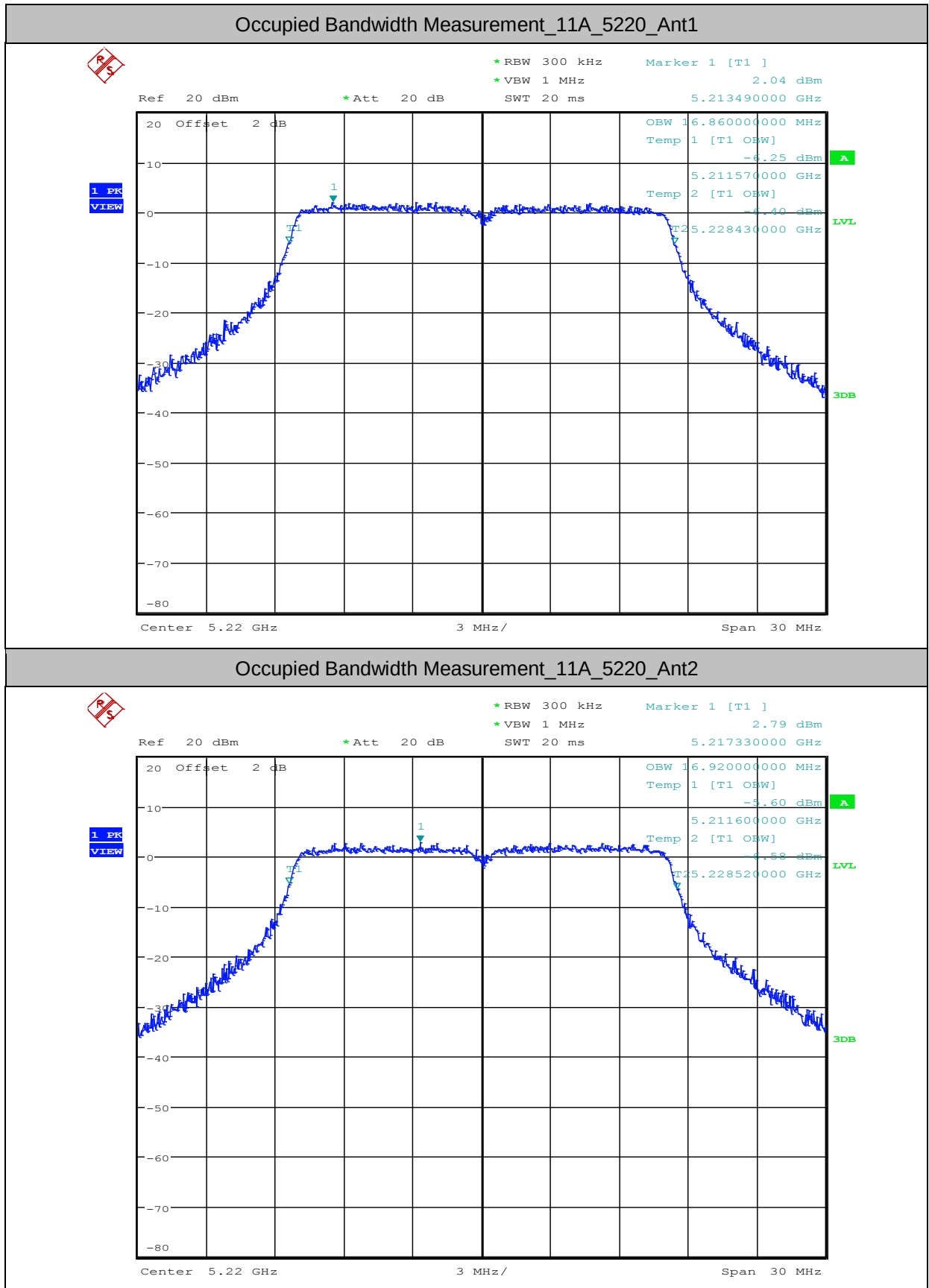
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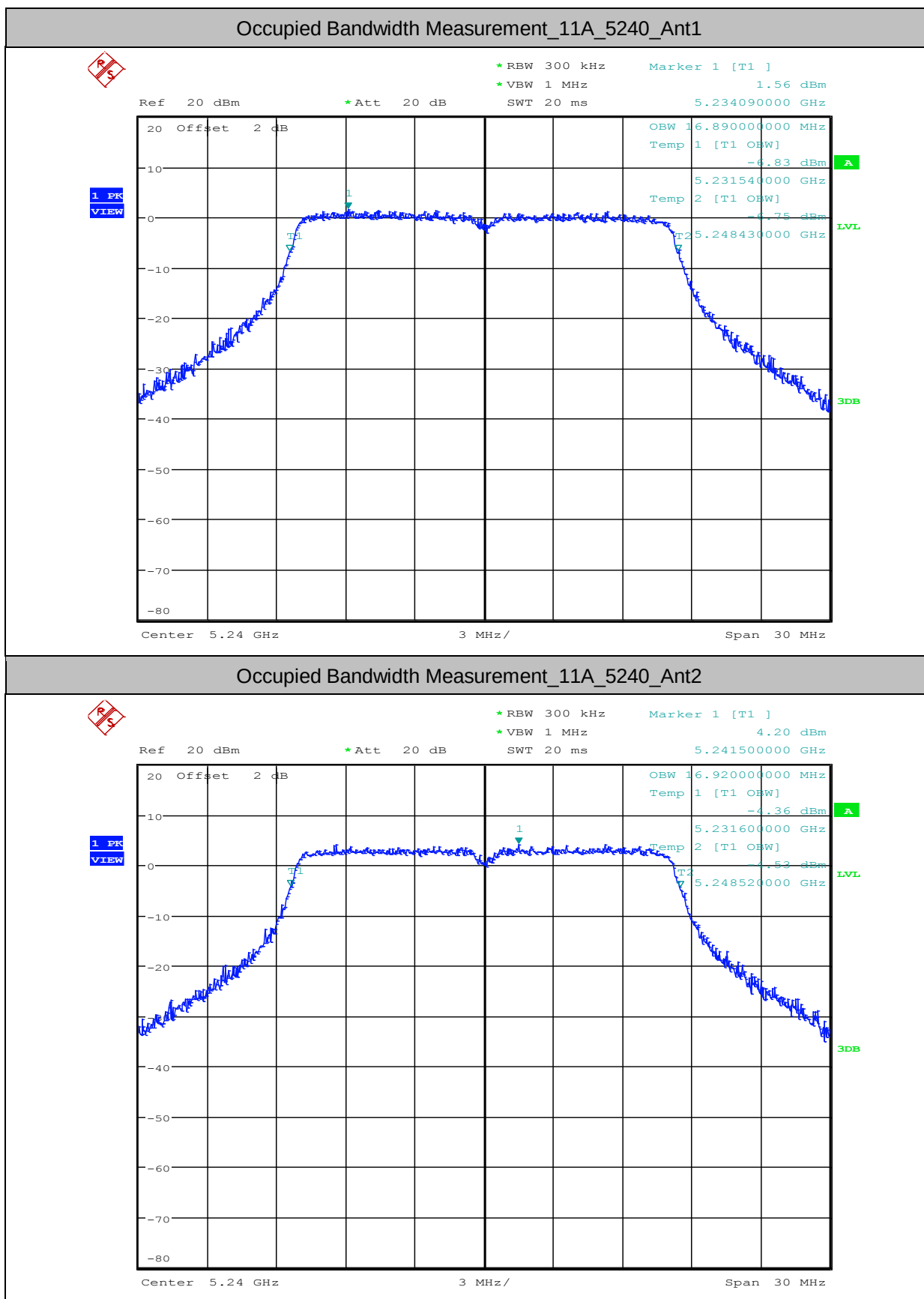
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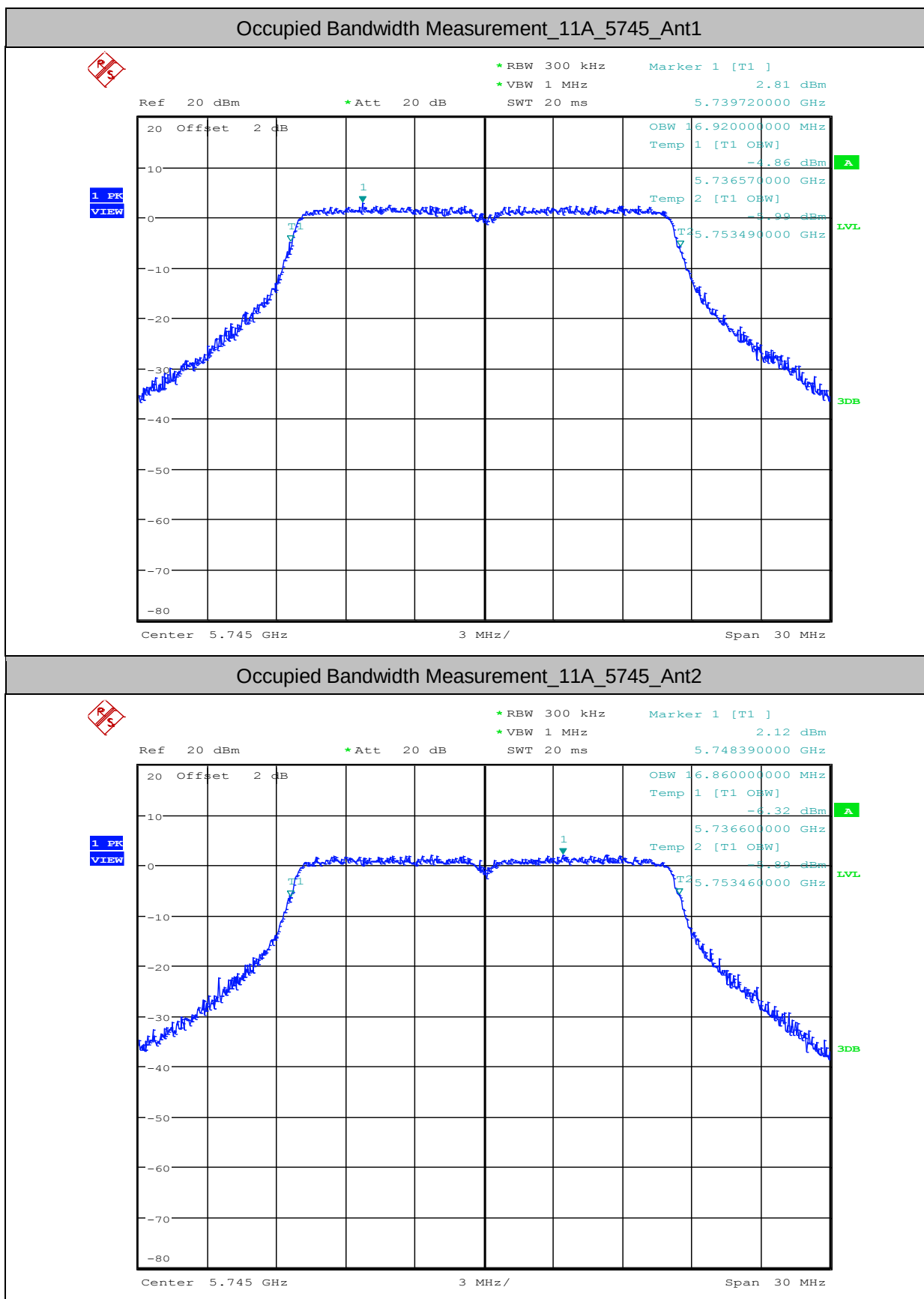
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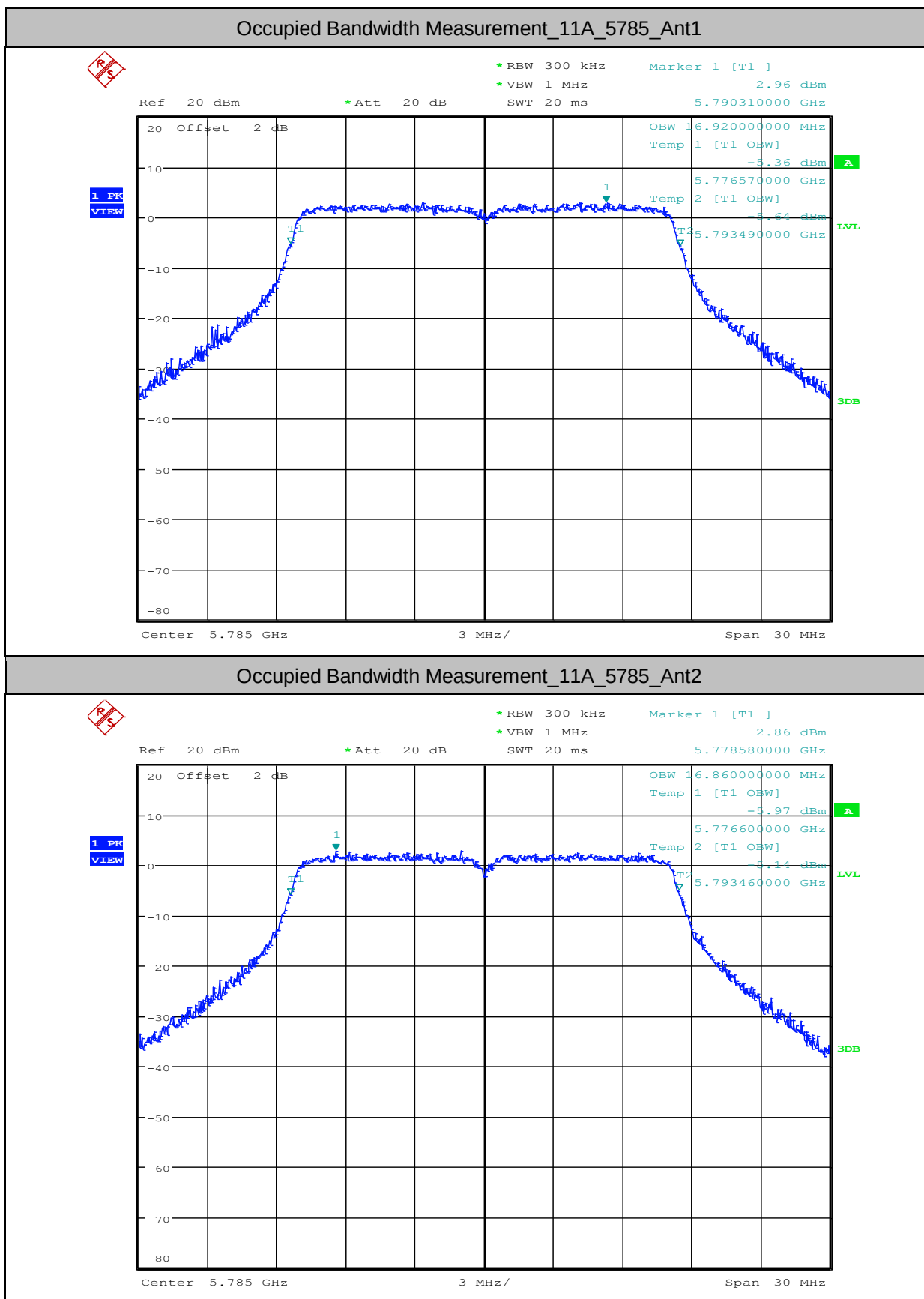
|        |      |      |        |     |      |
|--------|------|------|--------|-----|------|
| 11AC20 | 5180 | Ant1 | 18.000 | --- | PASS |
| 11AC20 | 5180 | Ant2 | 17.970 | --- | PASS |
| 11AC20 | 5220 | Ant1 | 18.000 | --- | PASS |
| 11AC20 | 5220 | Ant2 | 17.940 | --- | PASS |
| 11AC20 | 5240 | Ant1 | 17.970 | --- | PASS |
| 11AC20 | 5240 | Ant2 | 17.910 | --- | PASS |
| 11AC20 | 5745 | Ant1 | 17.970 | --- | PASS |
| 11AC20 | 5745 | Ant2 | 17.940 | --- | PASS |
| 11AC20 | 5785 | Ant1 | 17.970 | --- | PASS |
| 11AC20 | 5785 | Ant2 | 17.910 | --- | PASS |
| 11AC20 | 5825 | Ant1 | 18.000 | --- | PASS |
| 11AC20 | 5825 | Ant2 | 17.940 | --- | PASS |
| 11AC80 | 5210 | Ant1 | 76.080 | --- | PASS |
| 11AC80 | 5210 | Ant2 | 76.200 | --- | PASS |
| 11AC80 | 5775 | Ant1 | 76.200 | --- | PASS |
| 11AC80 | 5775 | Ant2 | 75.960 | --- | PASS |
| 11AC40 | 5190 | Ant1 | 36.720 | --- | PASS |
| 11AC40 | 5190 | Ant2 | 36.600 | --- | PASS |
| 11AC40 | 5230 | Ant1 | 36.720 | --- | PASS |
| 11AC40 | 5230 | Ant2 | 36.540 | --- | PASS |
| 11AC40 | 5755 | Ant1 | 36.660 | --- | PASS |
| 11AC40 | 5755 | Ant2 | 36.660 | --- | PASS |
| 11AC40 | 5795 | Ant1 | 36.660 | --- | PASS |
| 11AC40 | 5795 | Ant2 | 36.540 | --- | PASS |

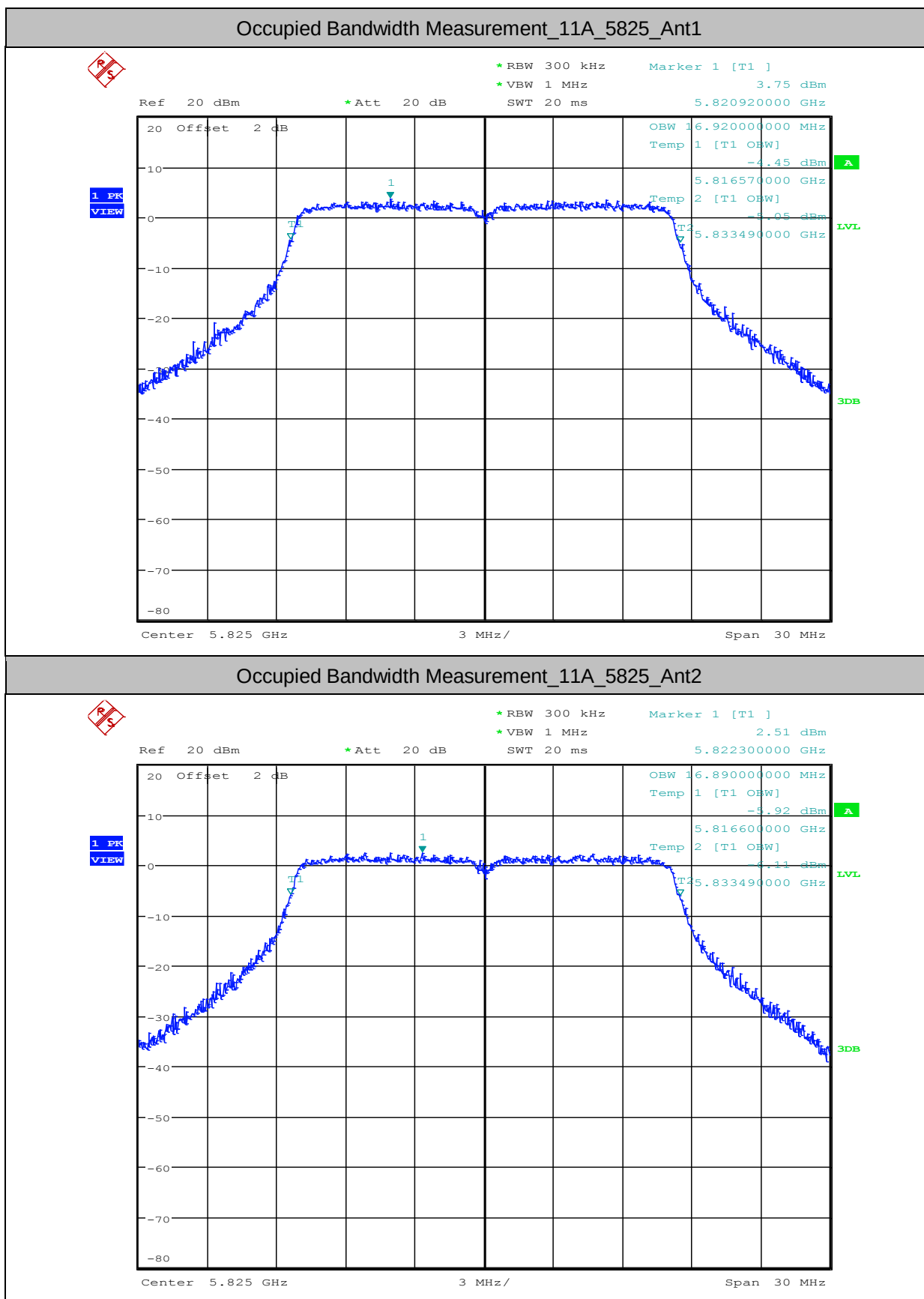


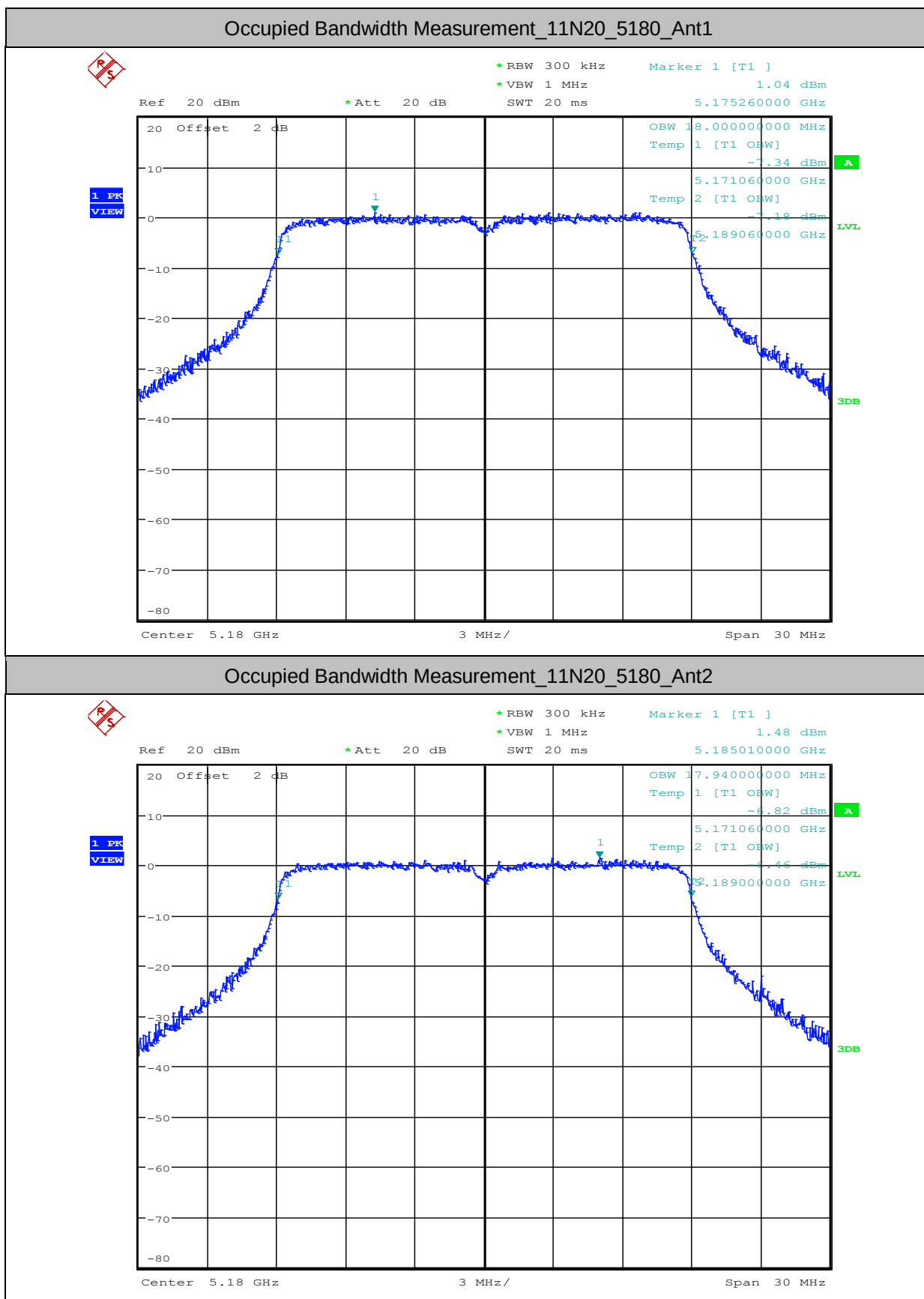


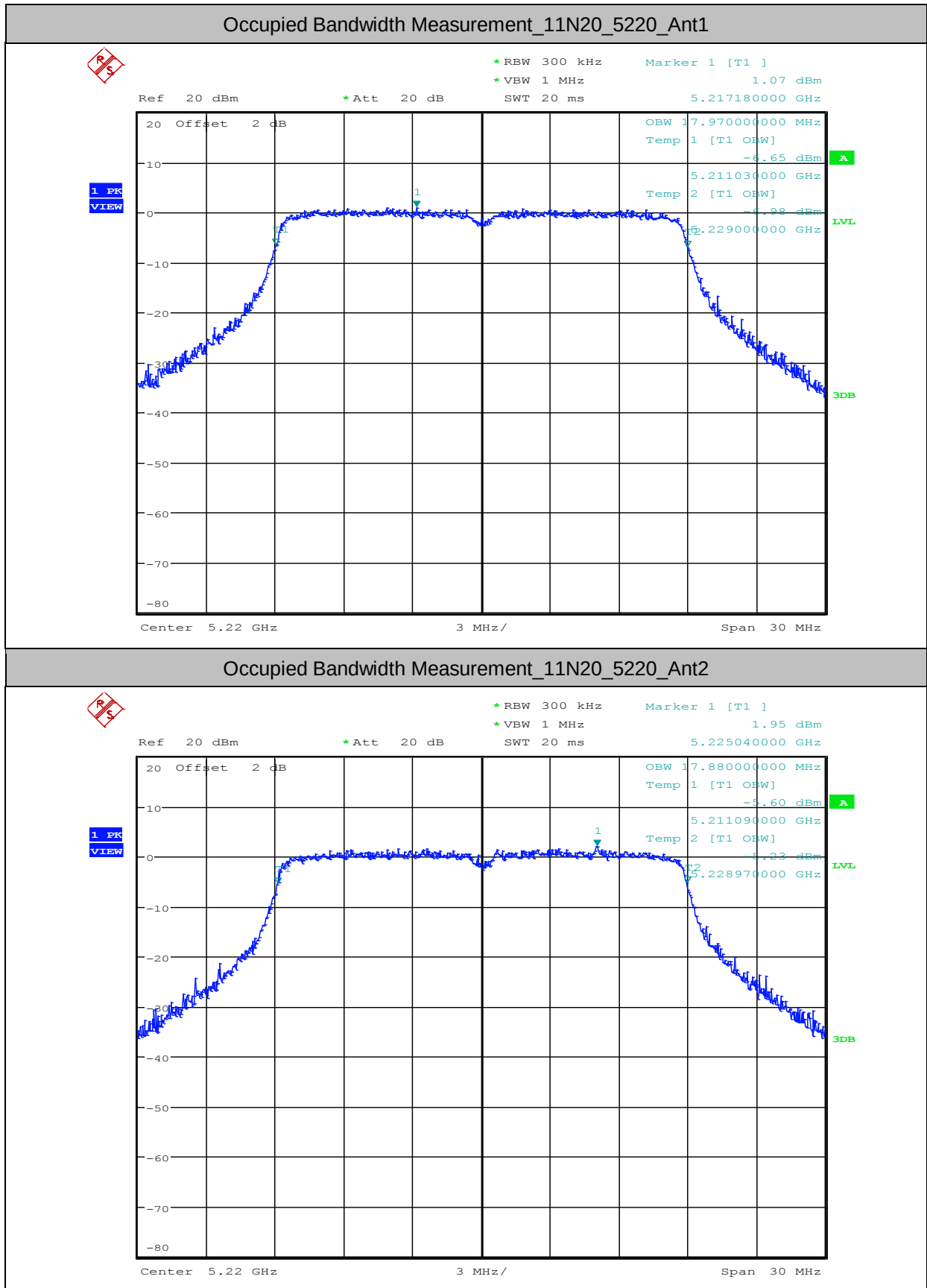


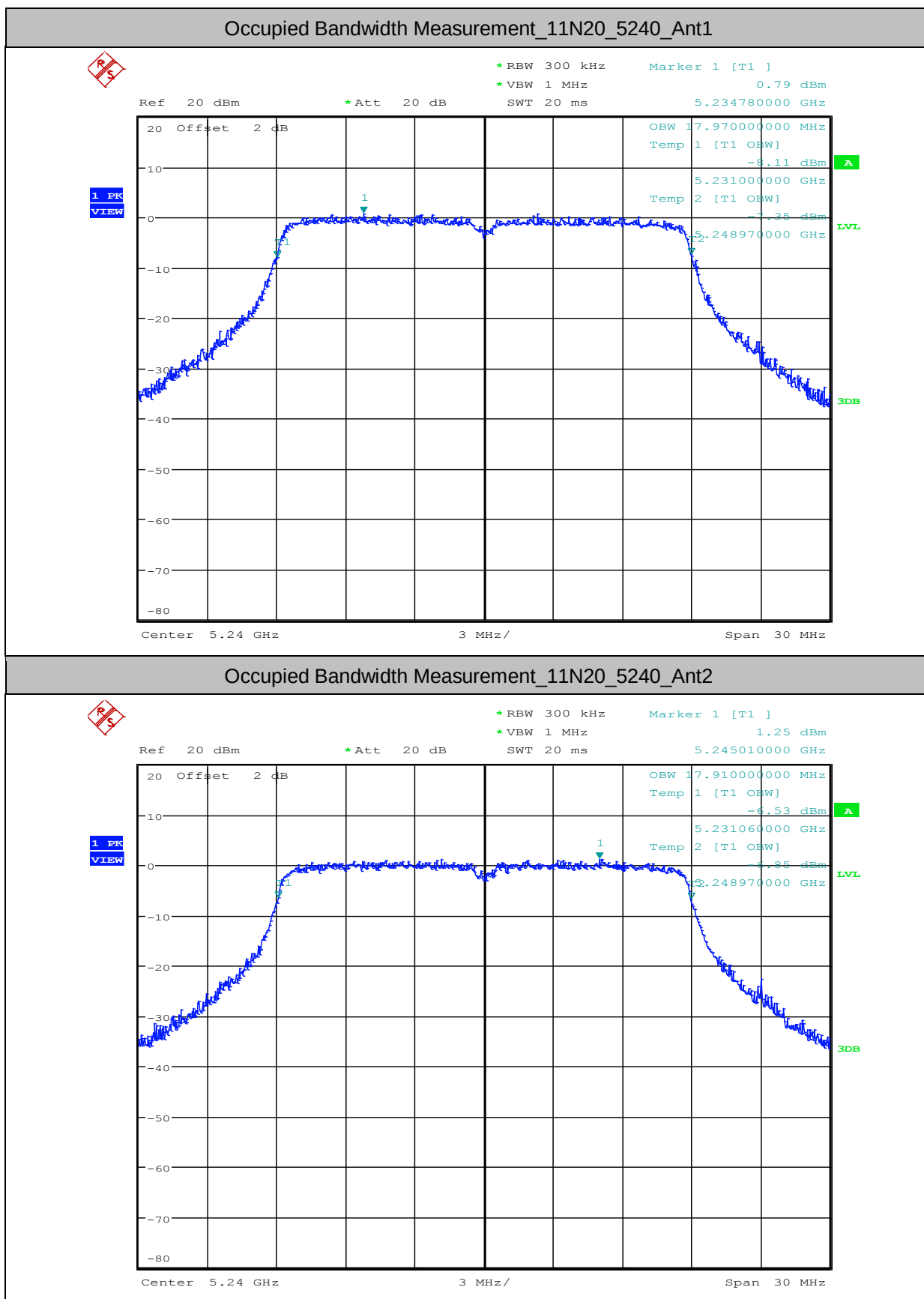


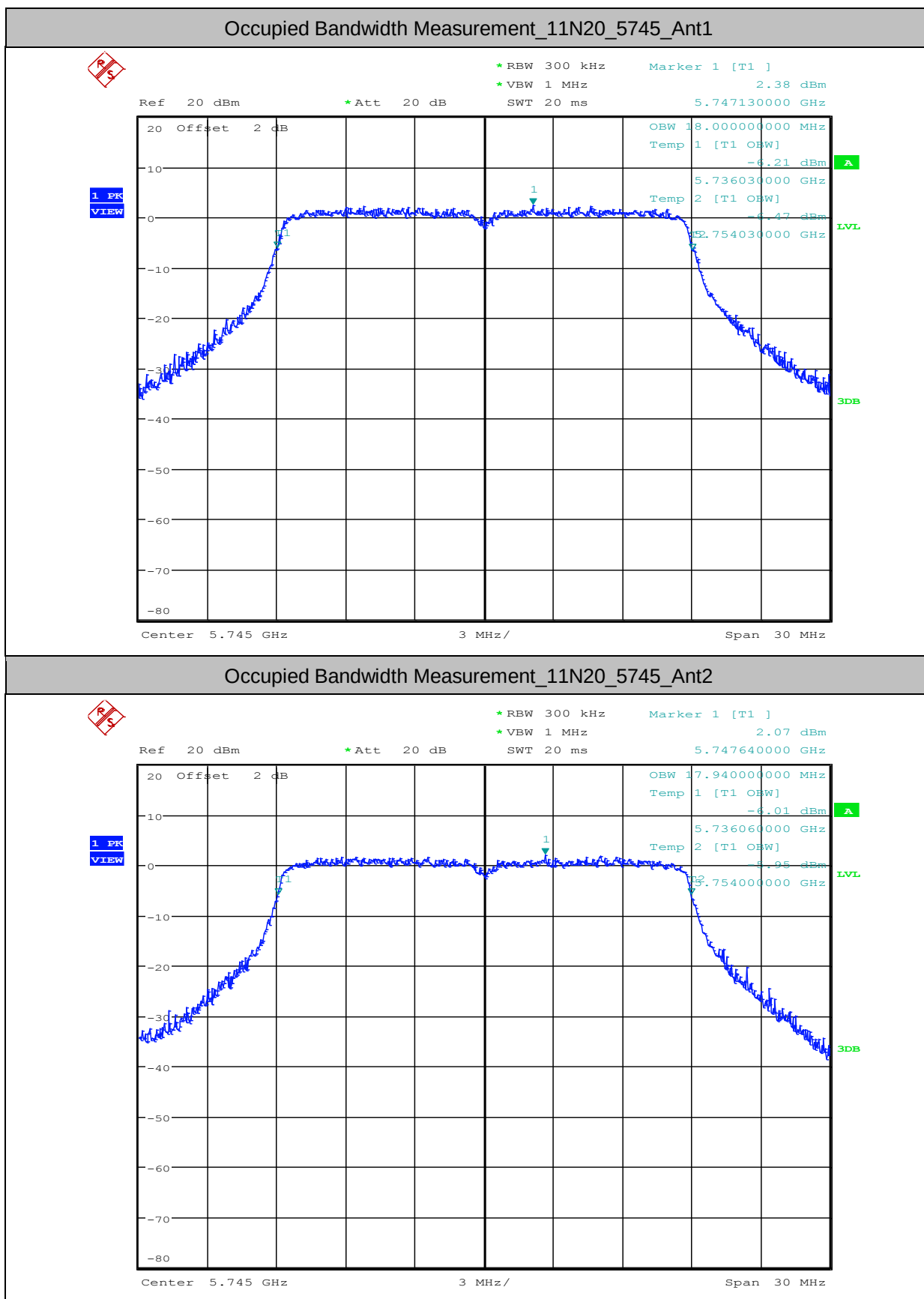


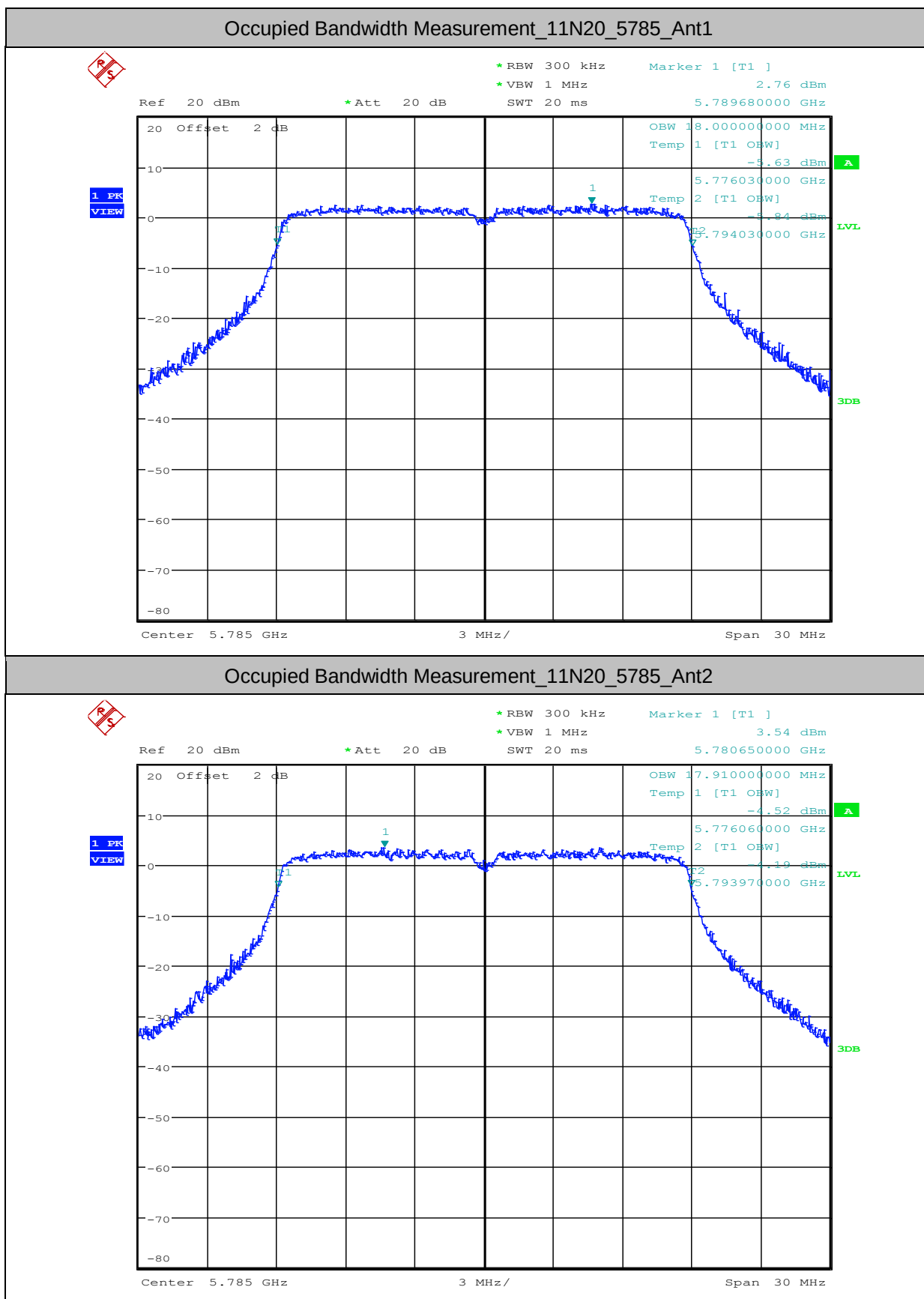


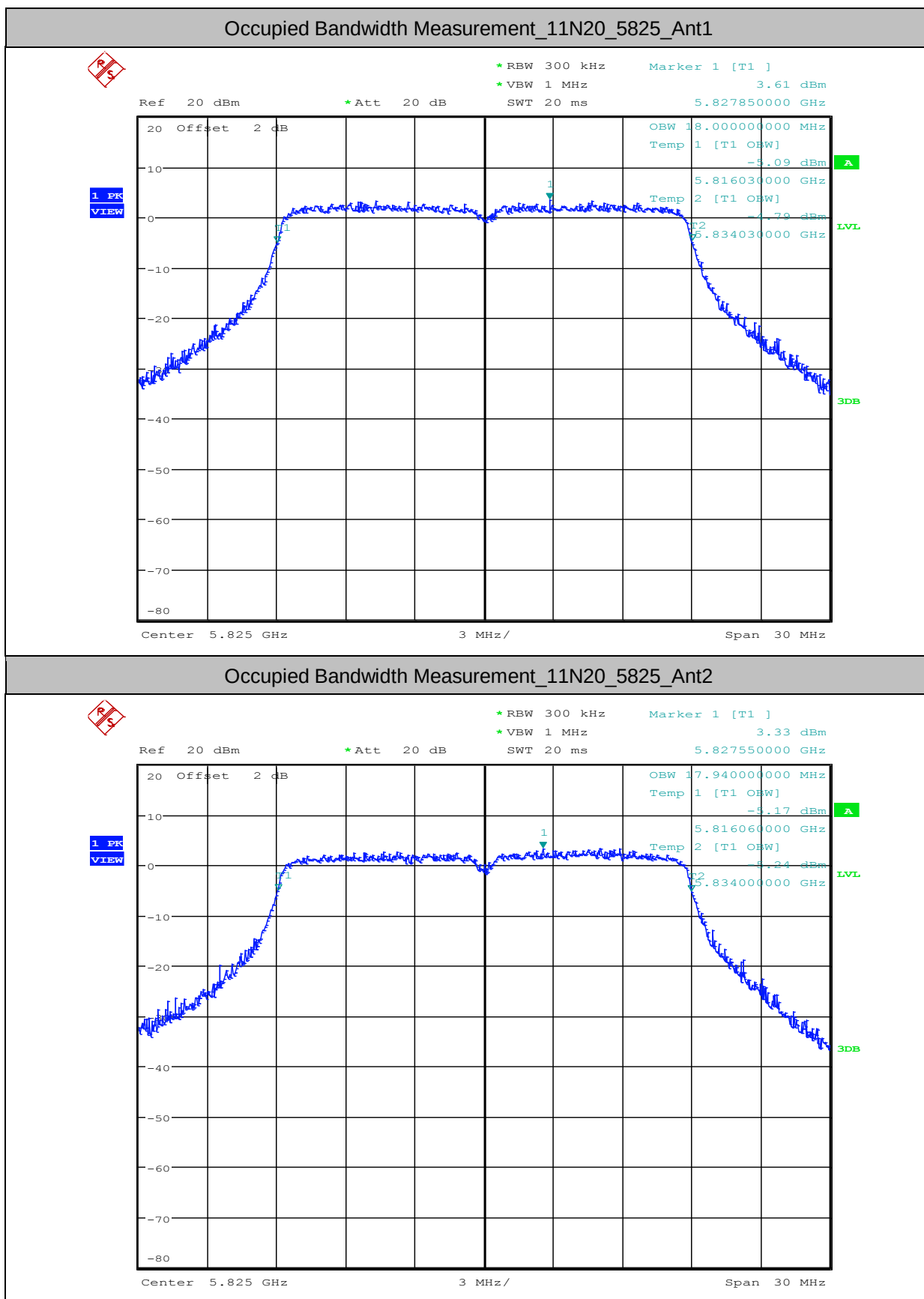


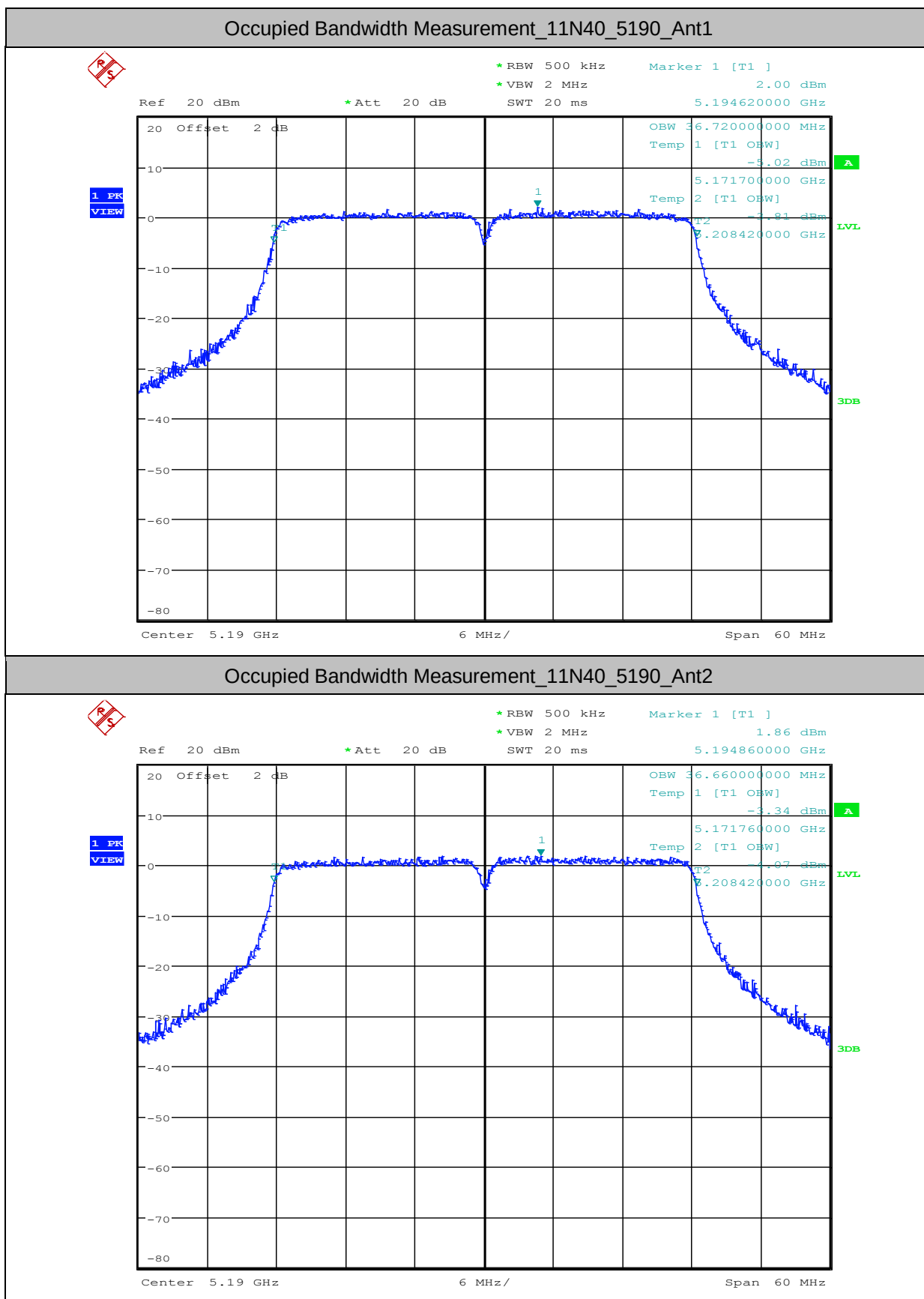


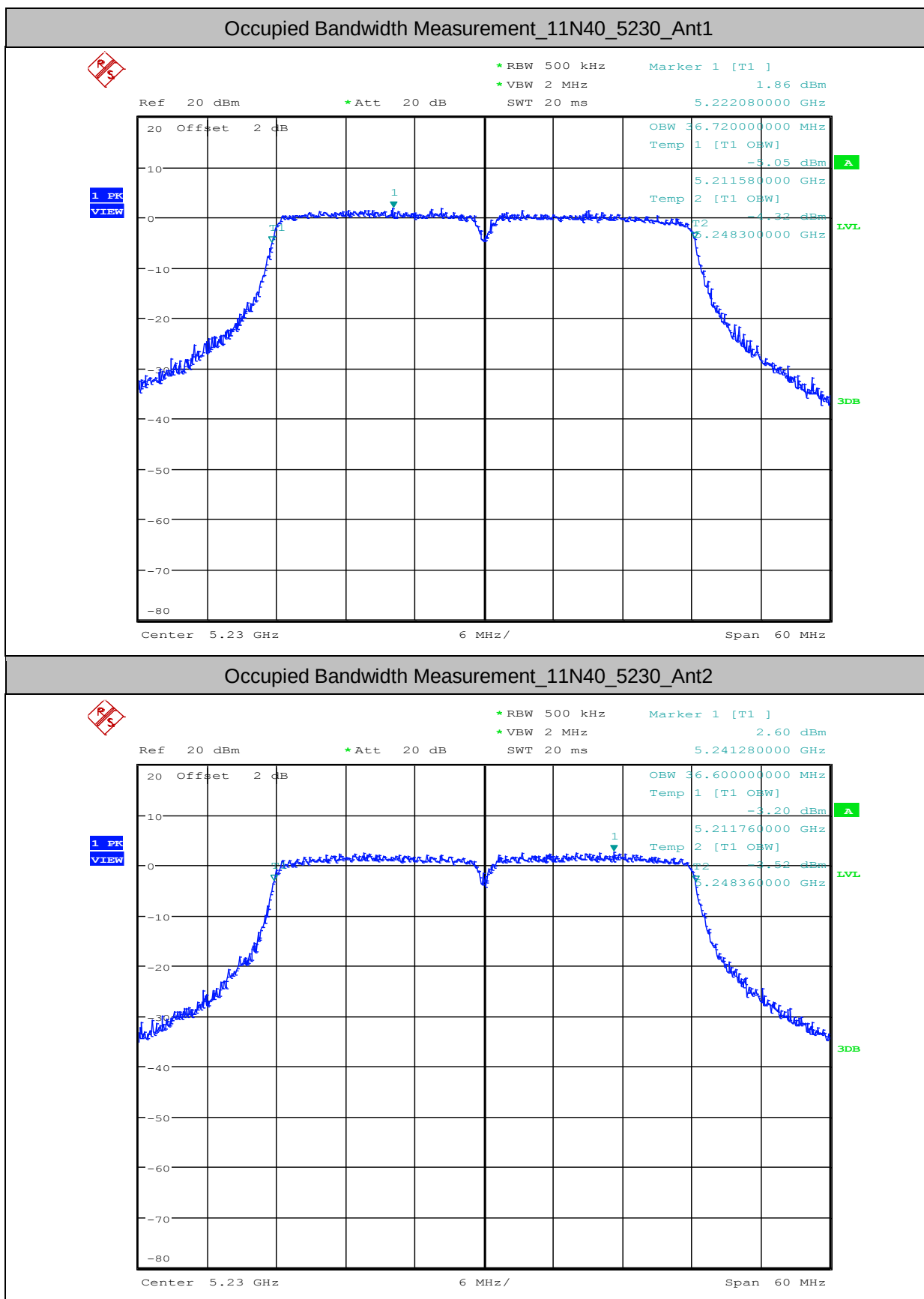


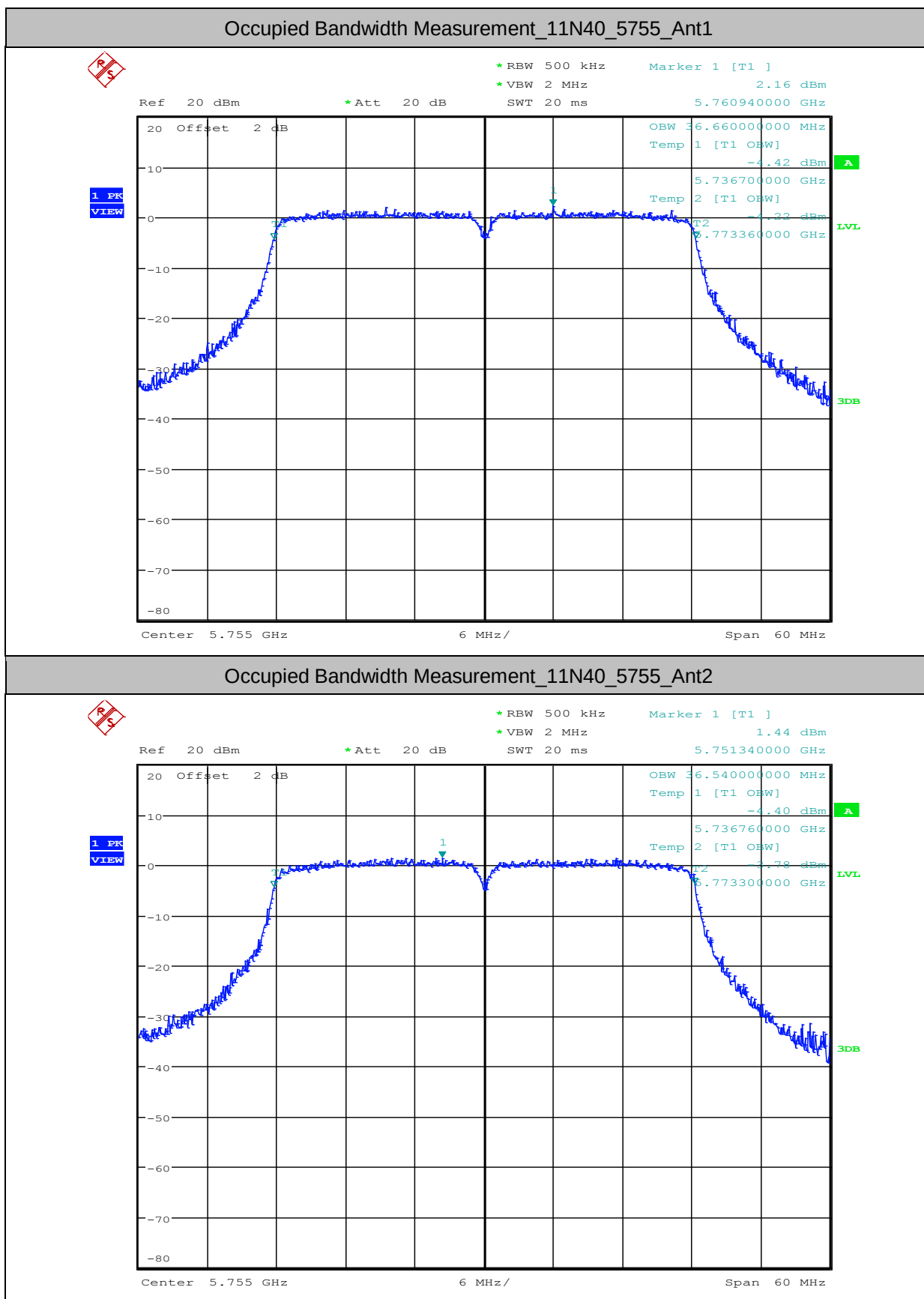


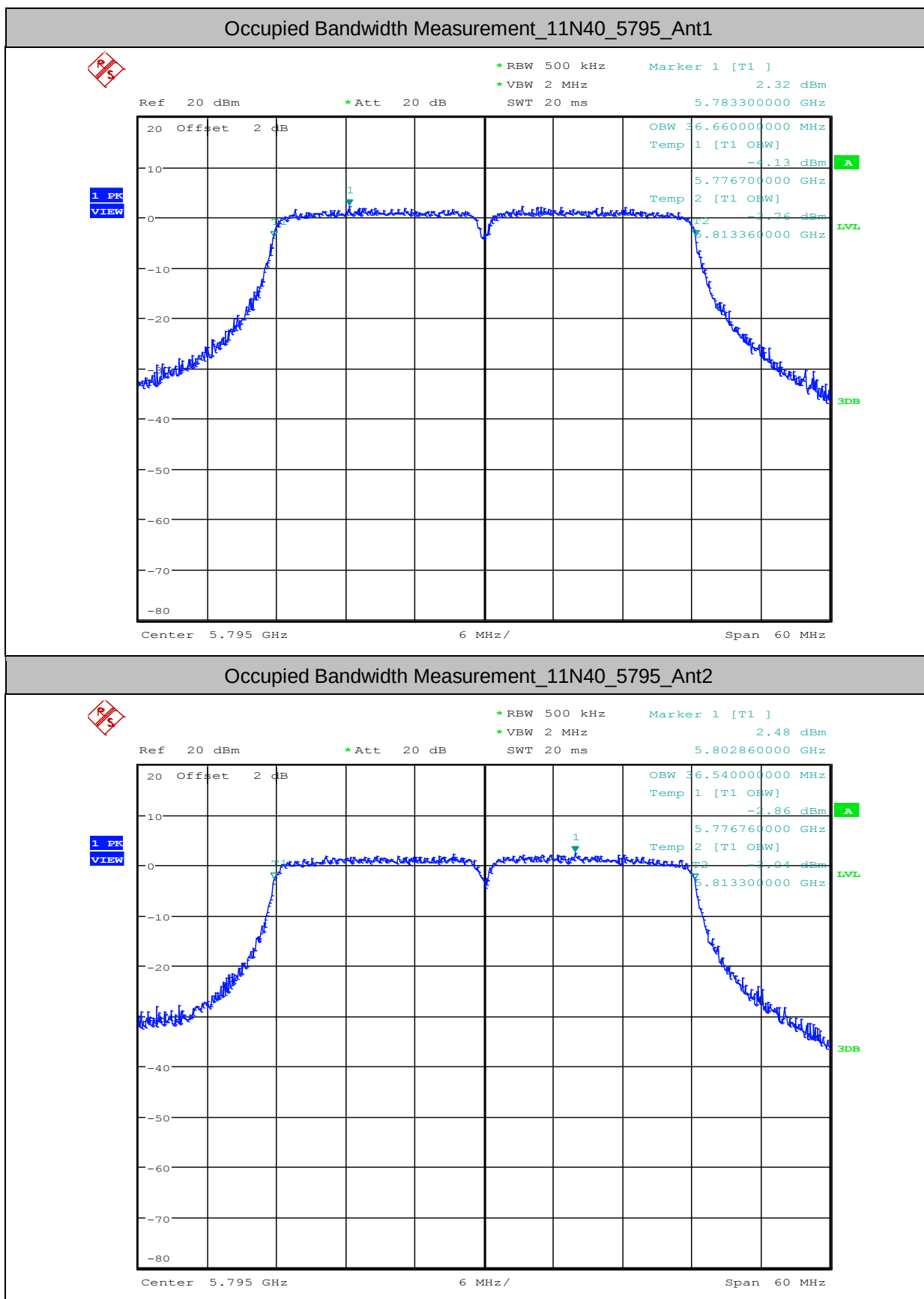


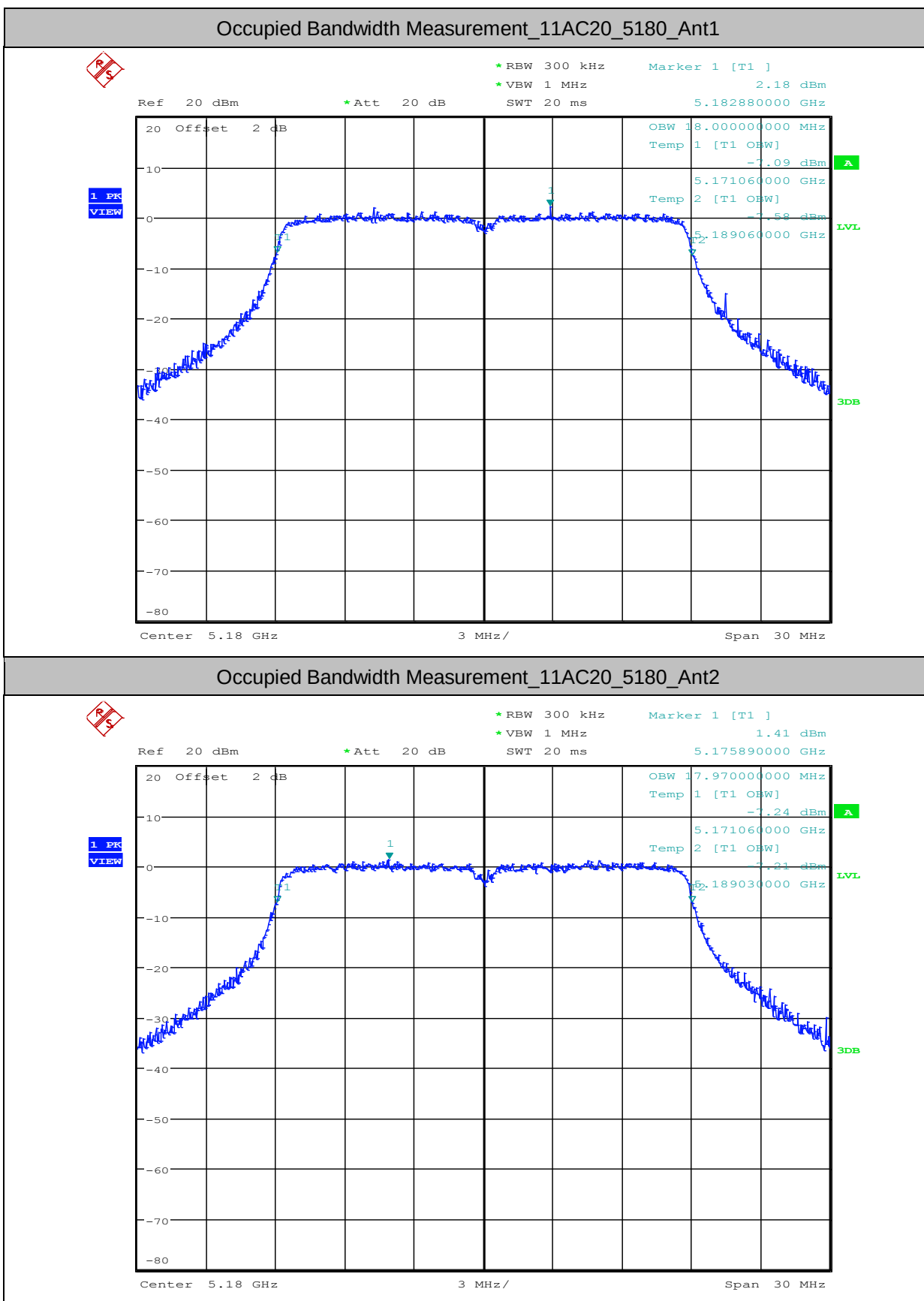


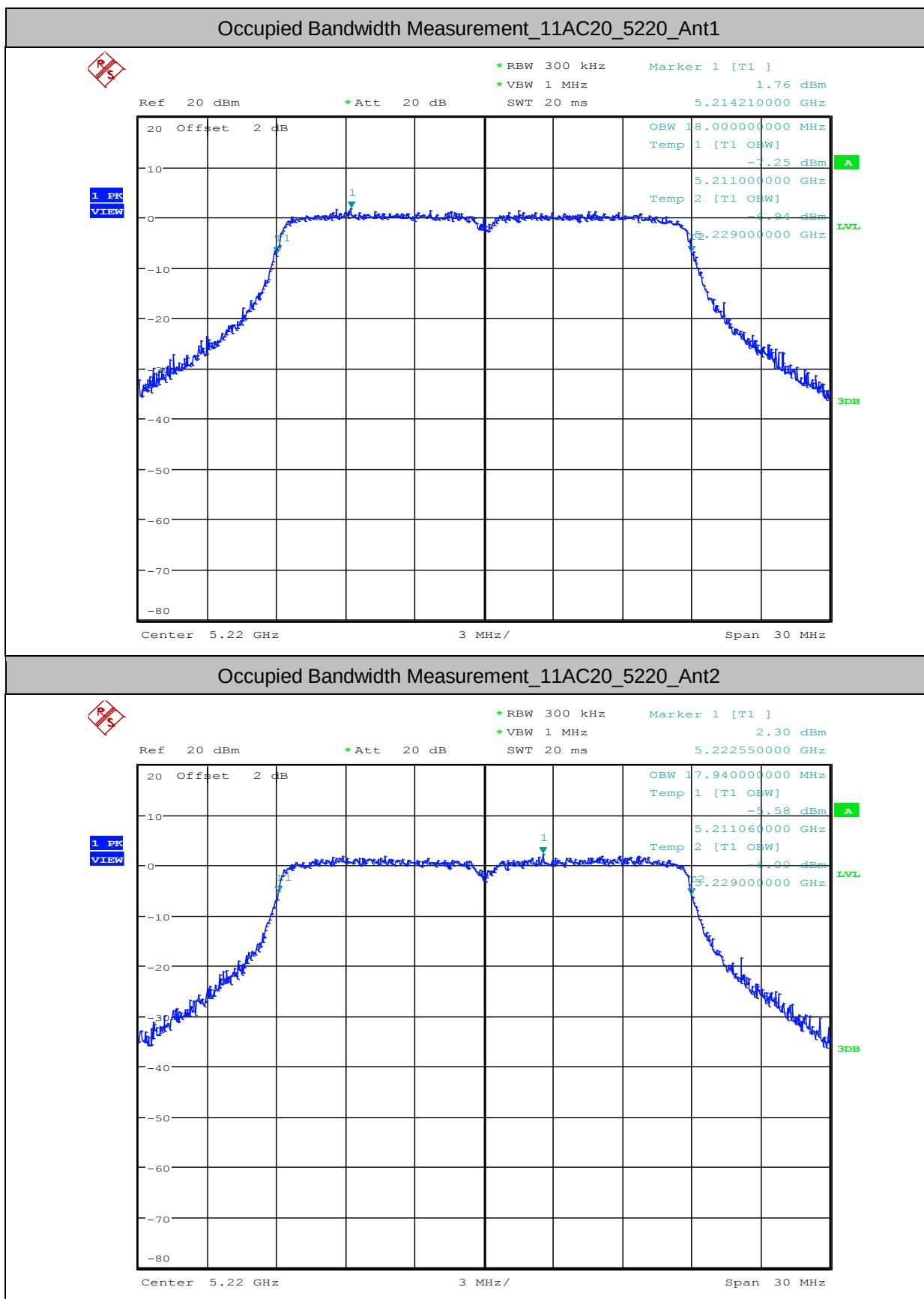


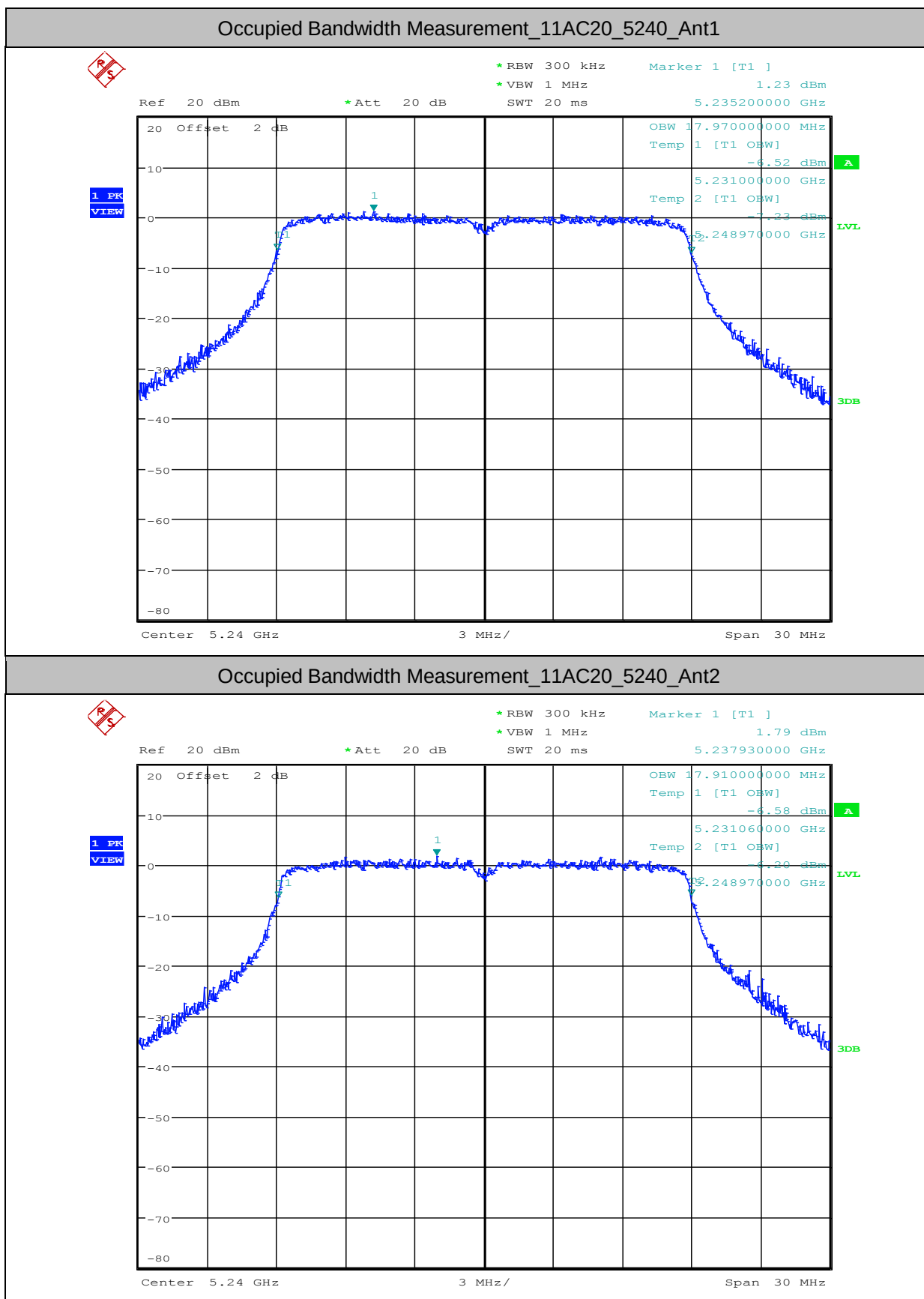


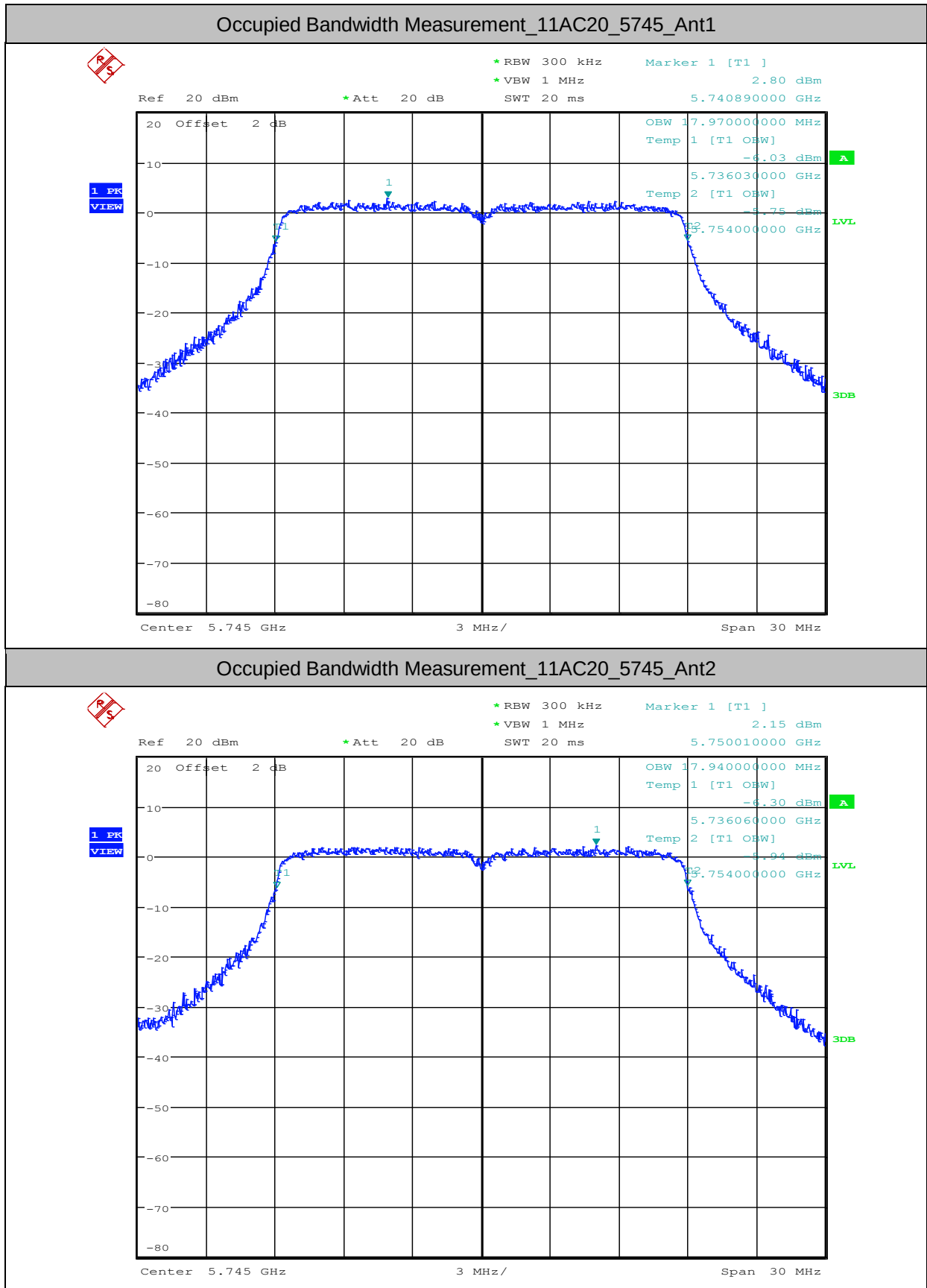


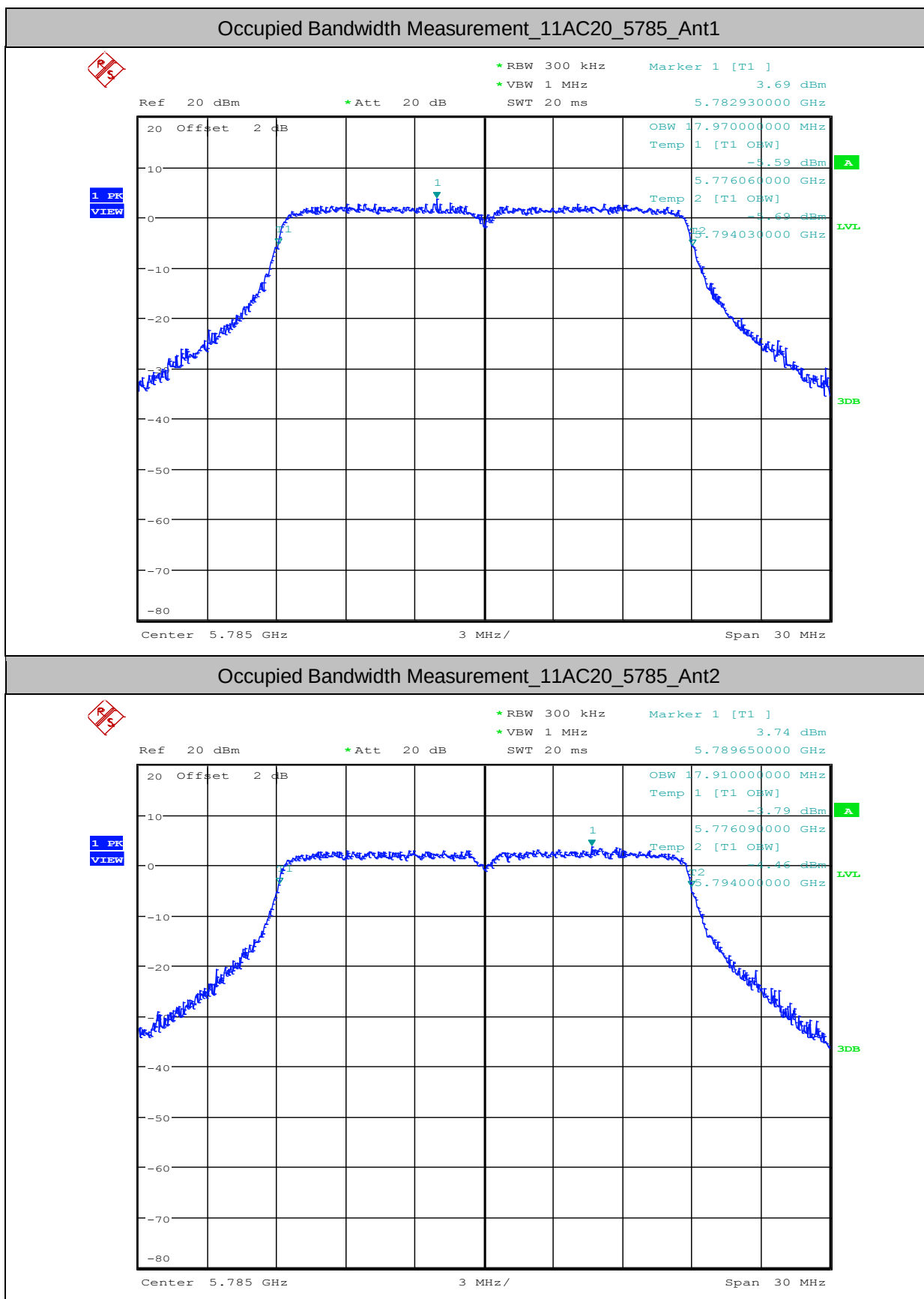


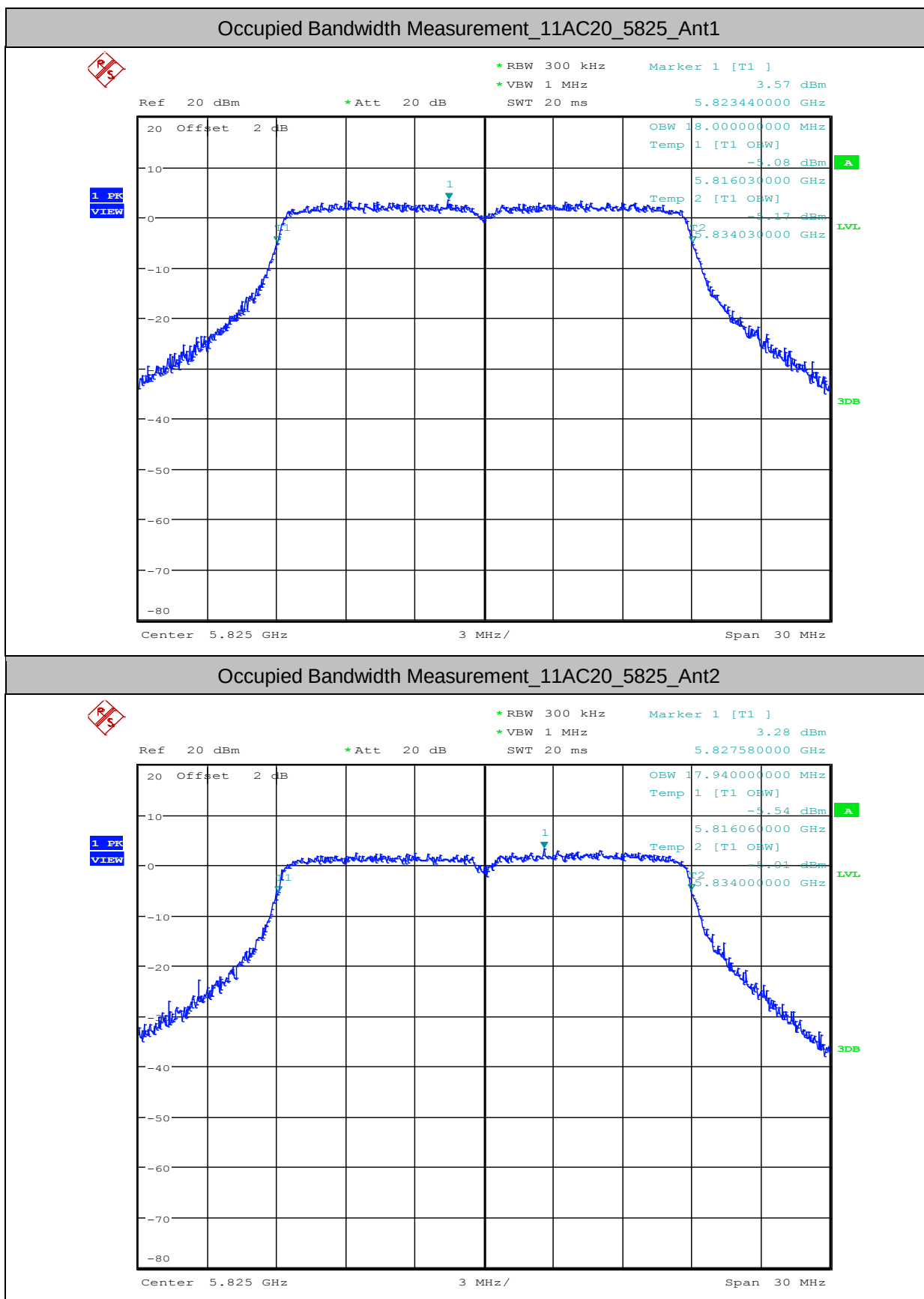


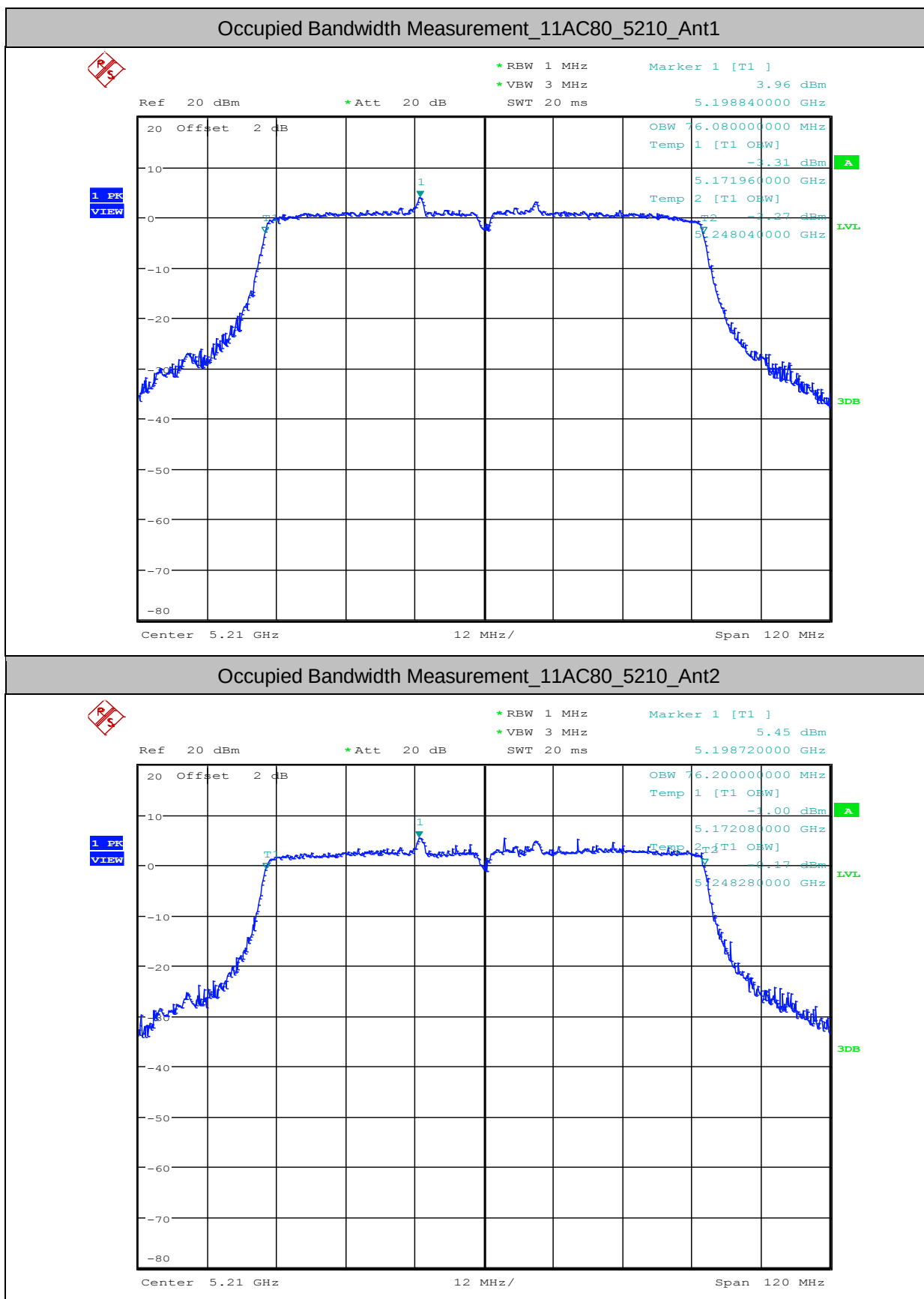


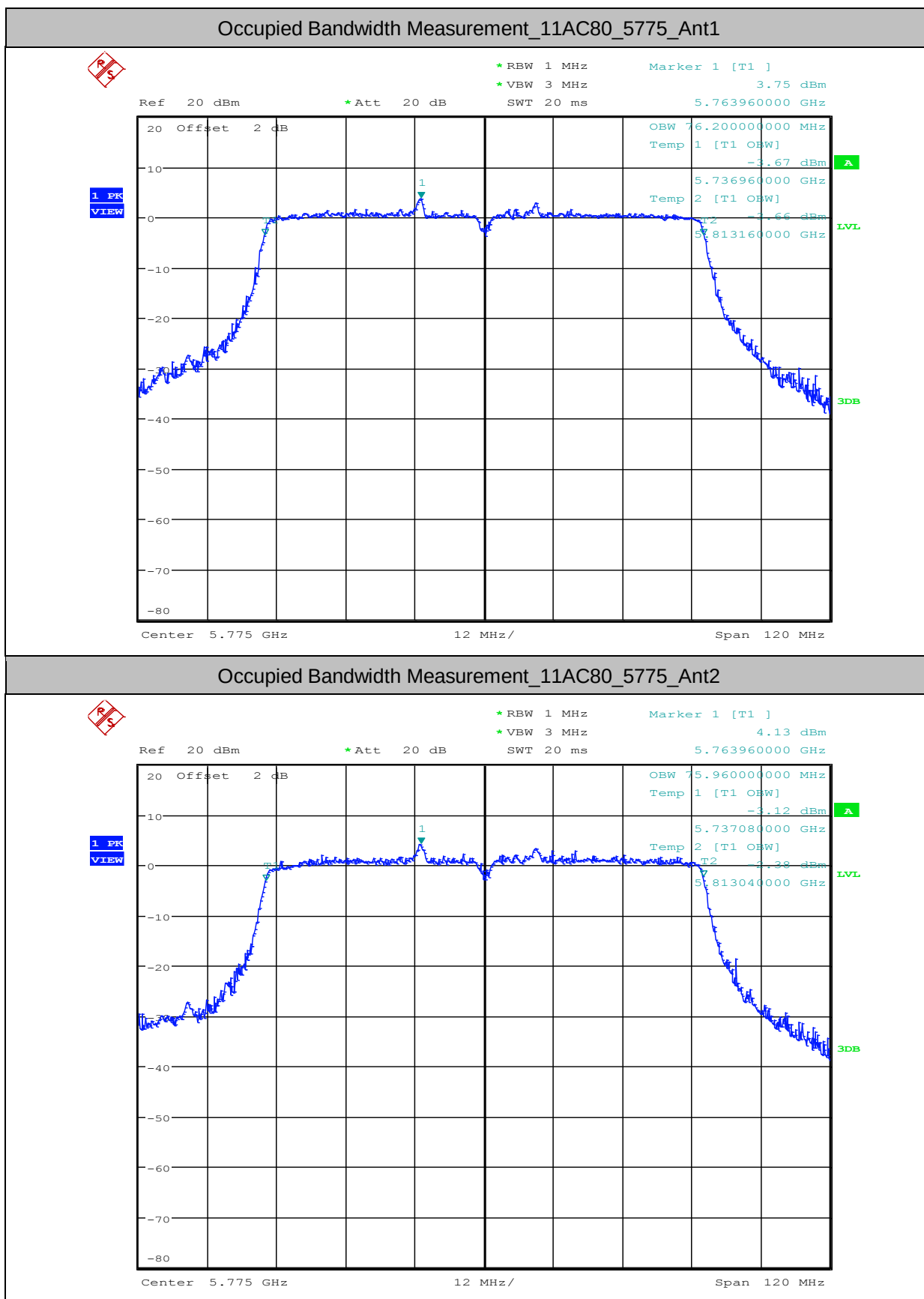


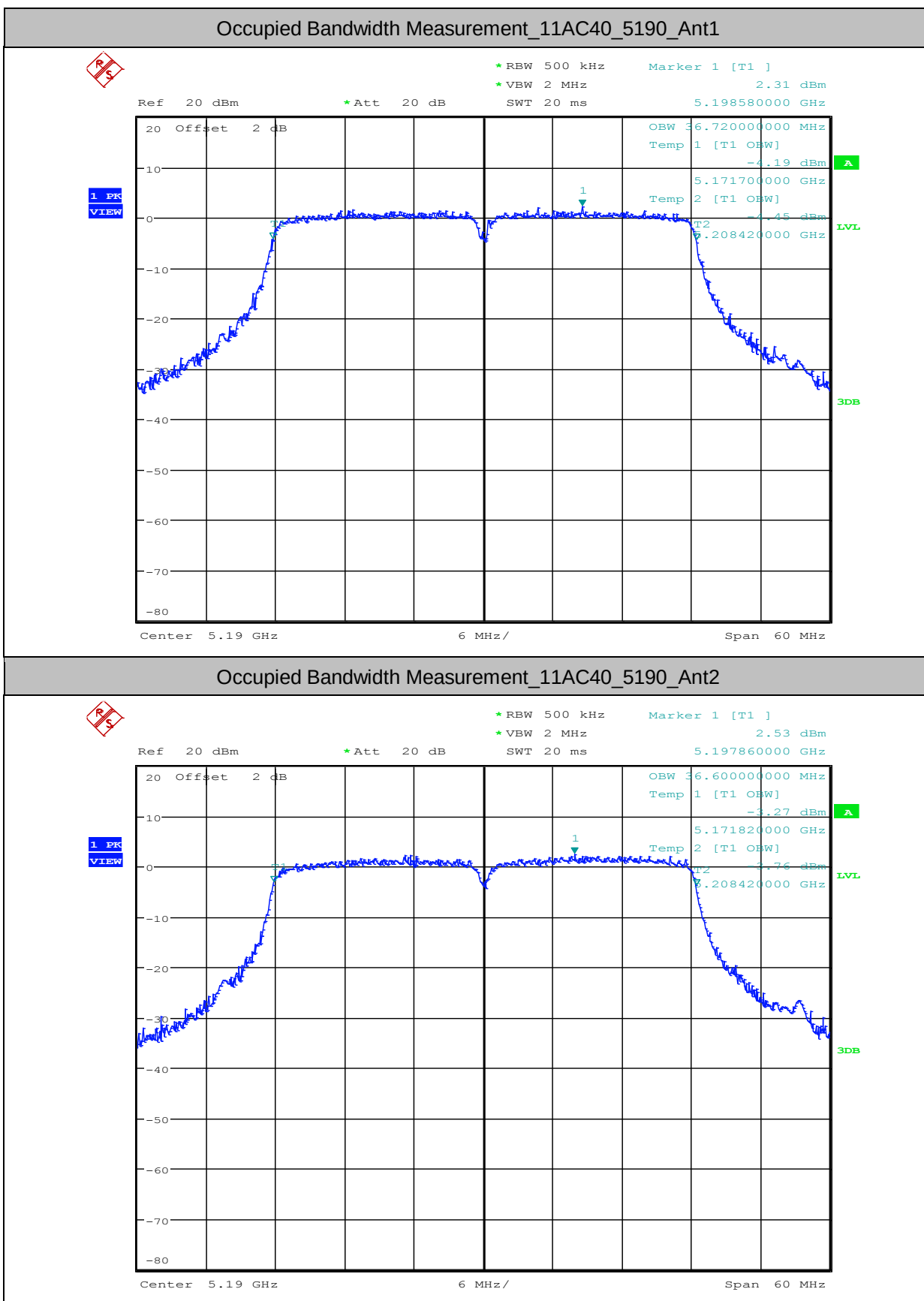


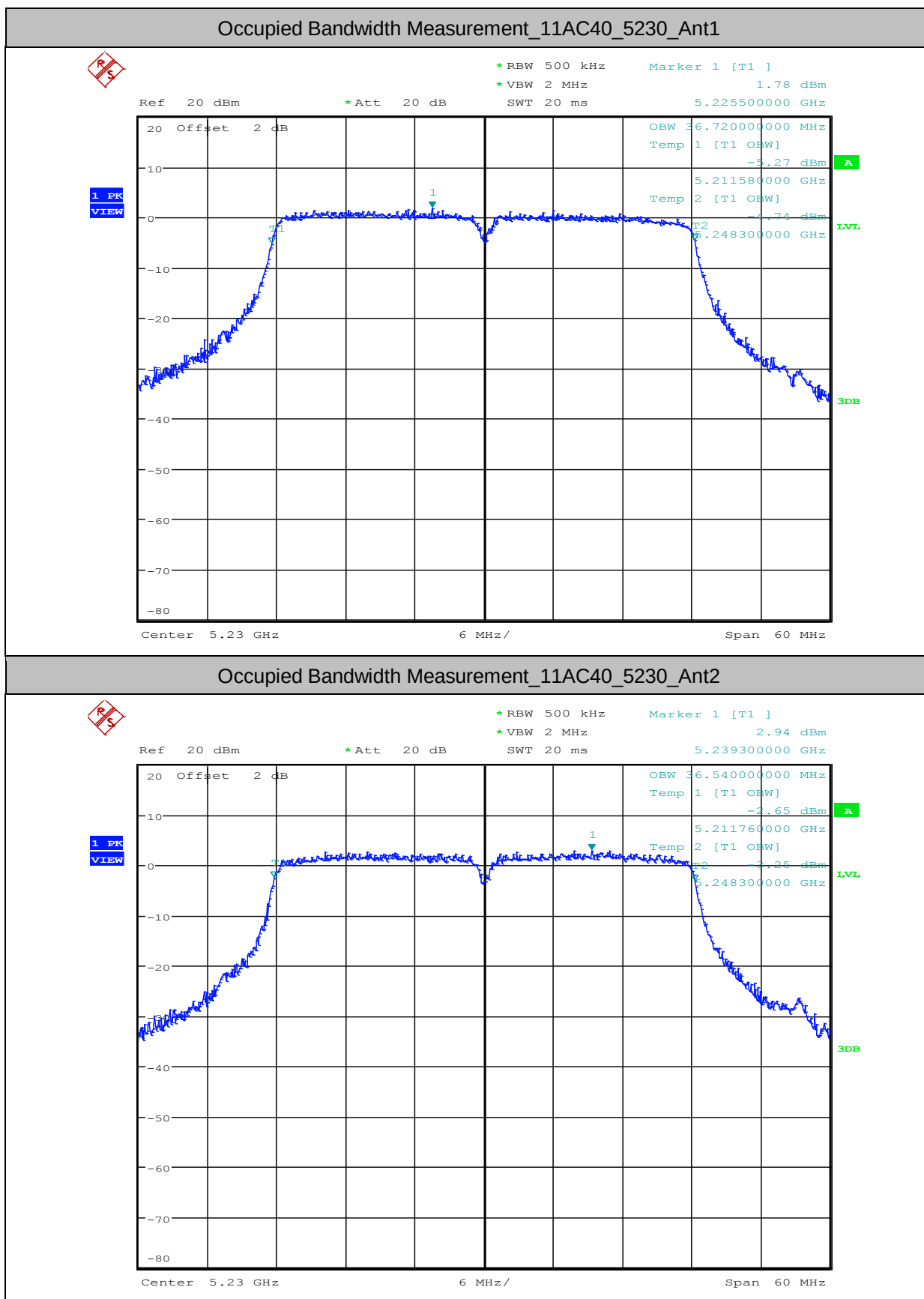


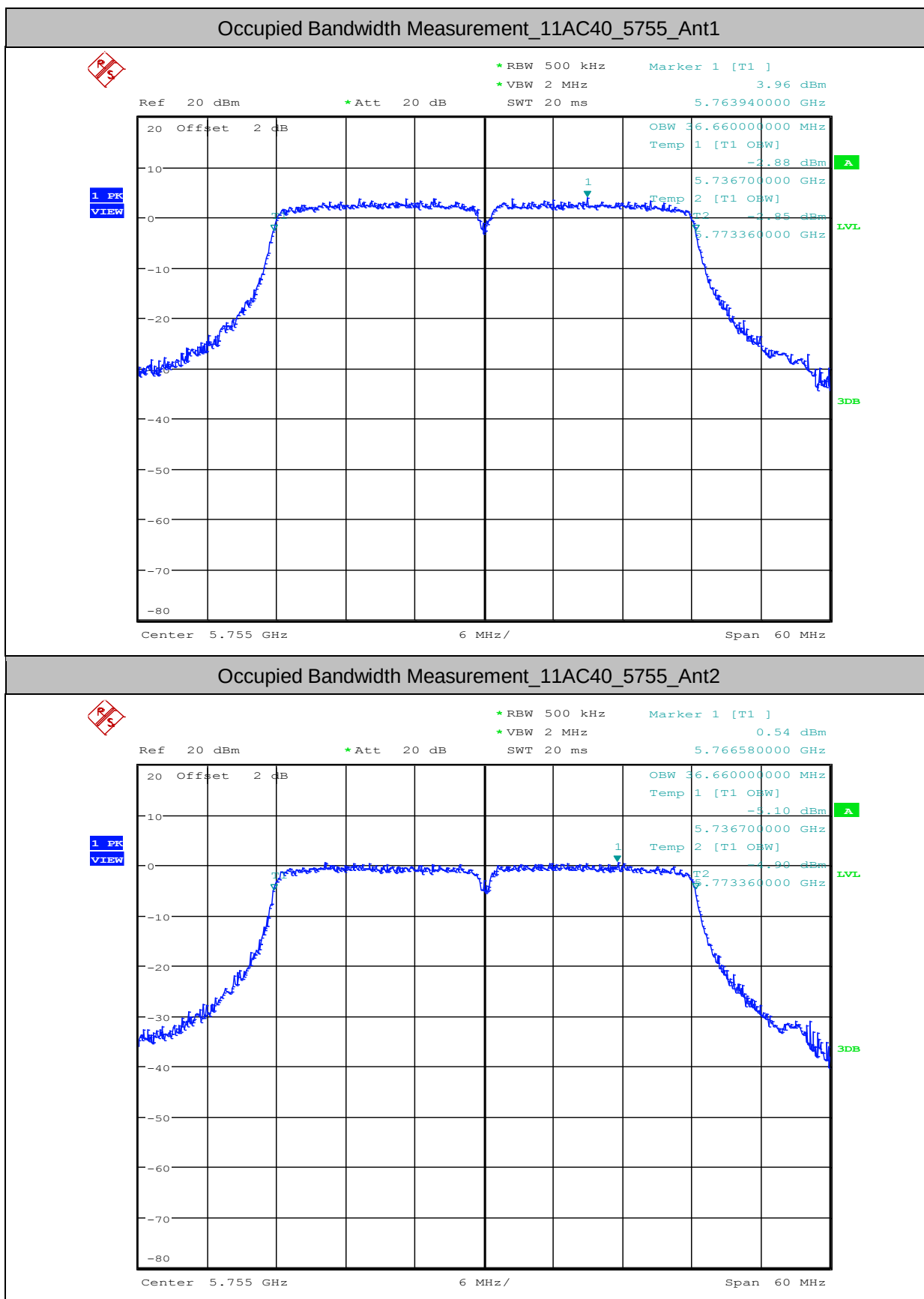


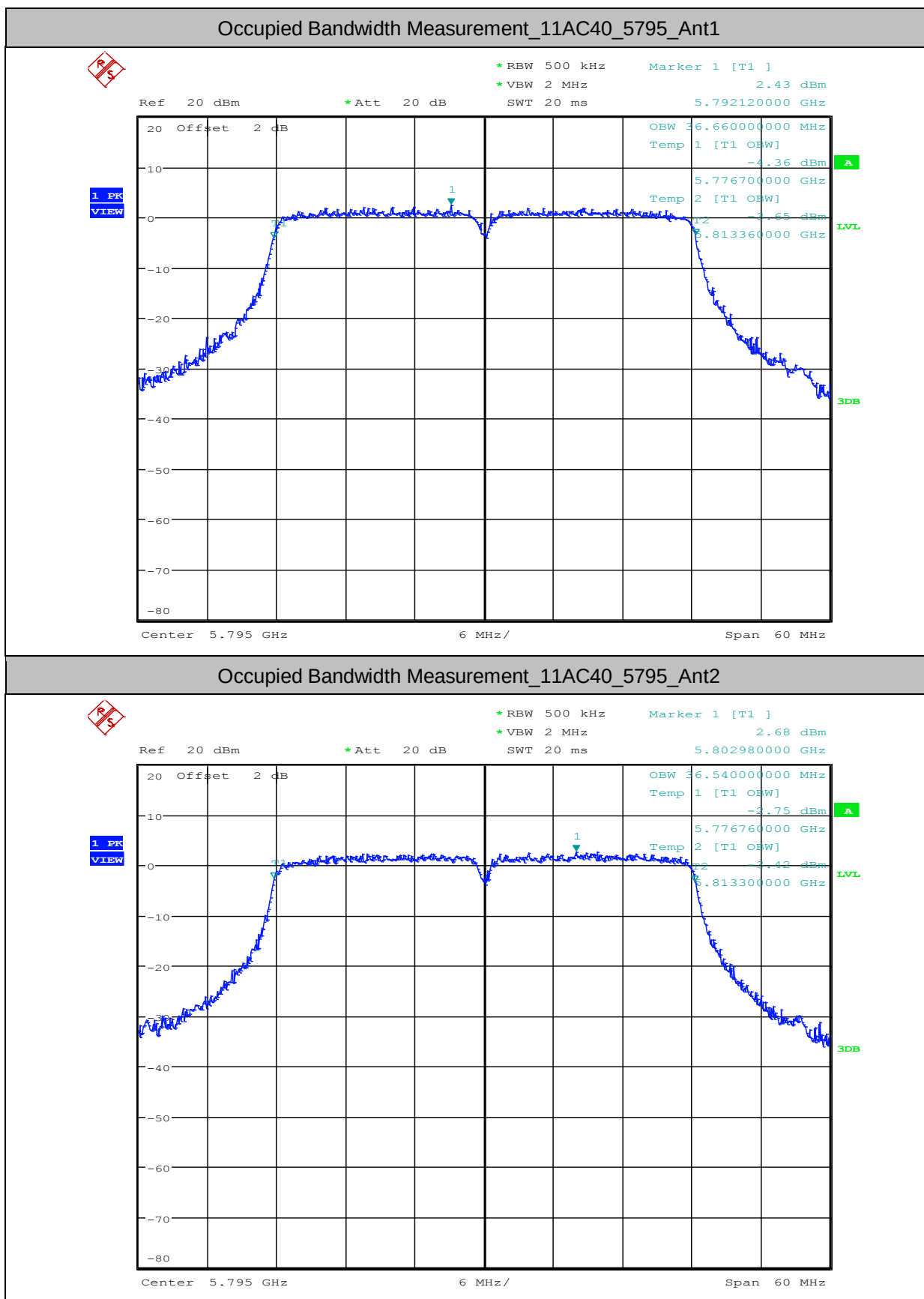














### 3.Maximum Conduct Output Power

| 802.11a mode    |                              |       |             |        |
|-----------------|------------------------------|-------|-------------|--------|
| Frequency (MHz) | Conducted Output Power (dBm) |       | Limit (dBm) | Result |
|                 | Ant.1                        | Ant.2 |             |        |
| 5180.00         | 11.96                        | 11.51 | 28.49       | Pass   |
| 5220.00         | 12.12                        | 11.56 | 28.49       | Pass   |
| 5240.00         | 11.49                        | 11.95 | 28.49       | Pass   |
| 5745.00         | 11.26                        | 11.30 | 28.49       | Pass   |
| 5785.00         | 11.71                        | 11.40 | 28.49       | Pass   |
| 5825.00         | 12.09                        | 11.51 | 28.49       | Pass   |

| 802.11 n20 mode |                              |       |       |             |        |
|-----------------|------------------------------|-------|-------|-------------|--------|
| Frequency (MHz) | Conducted Output Power (dBm) |       |       | Limit (dBm) | Result |
|                 | Ant.1                        | Ant.2 | Total |             |        |
| 5180.00         | 10.08                        | 10.21 | 13.16 | 28.49       | Pass   |
| 5220.00         | 10.28                        | 10.37 | 13.34 | 28.49       | Pass   |
| 5240.00         | 10.32                        | 10.45 | 13.40 | 28.49       | Pass   |
| 5745.00         | 11.31                        | 11.40 | 14.37 | 28.49       | Pass   |
| 5785.00         | 11.88                        | 11.95 | 14.93 | 28.49       | Pass   |
| 5825.00         | 12.33                        | 12.10 | 15.23 | 28.49       | Pass   |

| 802.11 n 40 mode |                              |       |       |             |        |
|------------------|------------------------------|-------|-------|-------------|--------|
| Frequency (MHz)  | Conducted Output Power (dBm) |       |       | Limit (dBm) | Result |
|                  | Ant.1                        | Ant.2 | Total |             |        |
| 5190.00          | 11.75                        | 11.93 | 14.85 | 28.49       | Pass   |
| 5230.00          | 11.52                        | 12.39 | 14.99 | 28.49       | Pass   |
| 5755.00          | 11.72                        | 11.33 | 14.54 | 28.49       | Pass   |
| 5795.00          | 12.05                        | 12.27 | 15.17 | 28.49       | Pass   |

| 802.11 ac 20 mode |                              |       |       |             |        |
|-------------------|------------------------------|-------|-------|-------------|--------|
| Frequency (MHz)   | Conducted Output Power (dBm) |       |       | Limit (dBm) | Result |
|                   | Ant.1                        | Ant.2 | Total |             |        |
| 5180.00           | 10.48                        | 10.39 | 13.45 | 28.49       | Pass   |
| 5220.00           | 10.03                        | 10.58 | 13.32 | 28.49       | Pass   |
| 5240.00           | 10.07                        | 10.45 | 13.27 | 28.49       | Pass   |
| 5745.00           | 11.36                        | 11.26 | 14.32 | 28.49       | Pass   |
| 5785.00           | 11.98                        | 11.7  | 14.85 | 28.49       | Pass   |
| 5825.00           | 12.22                        | 11.83 | 15.04 | 28.49       | Pass   |



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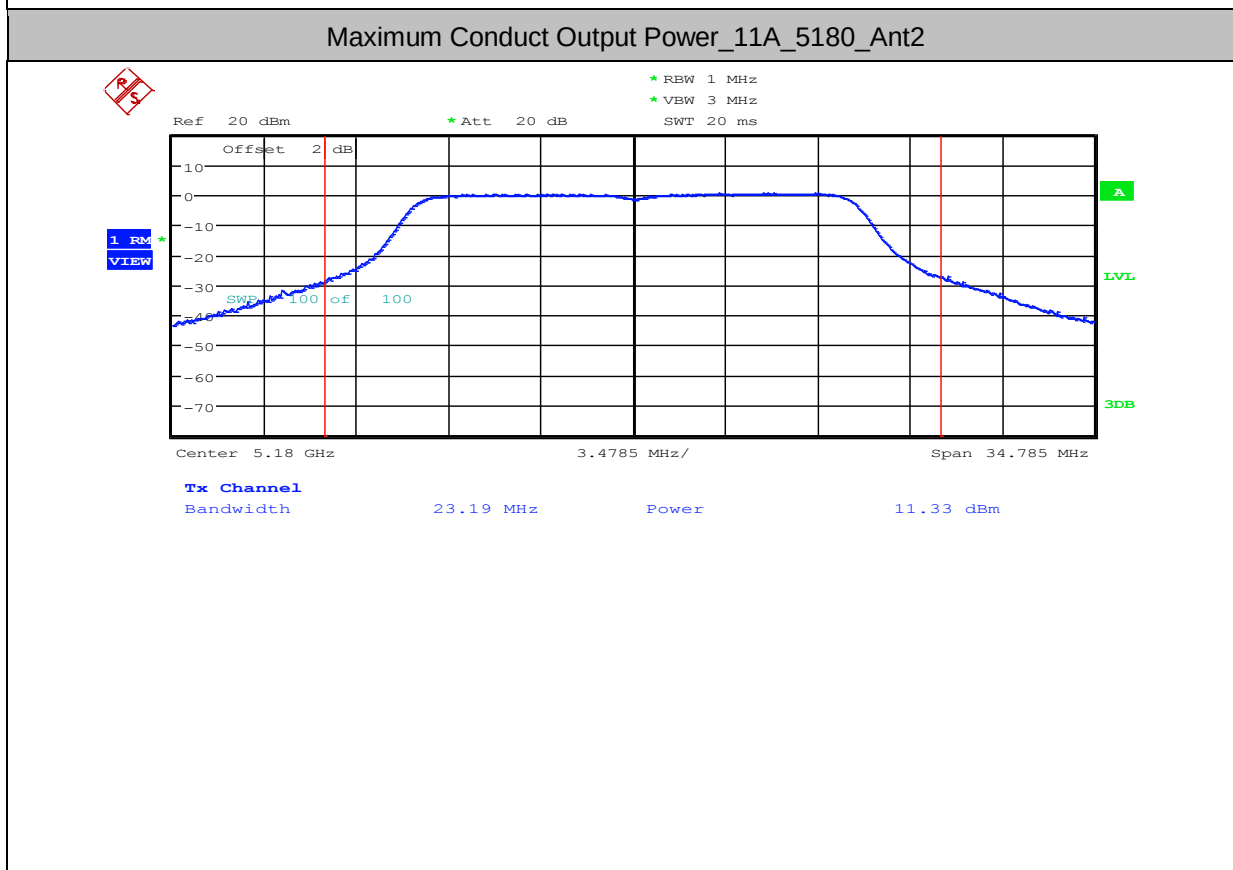
Report No.: HKES170800219103

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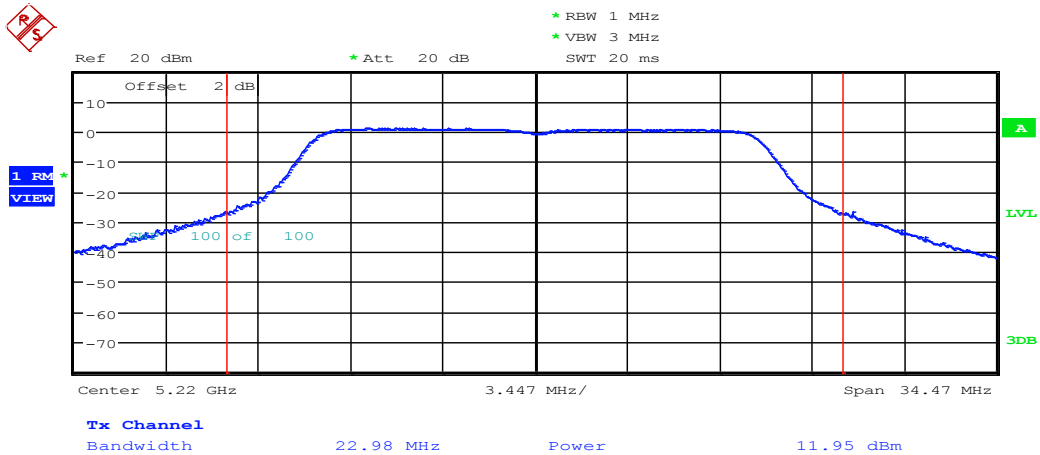
| 802.11ac 40 mode |                              |       |       |             |        |
|------------------|------------------------------|-------|-------|-------------|--------|
| Frequency (MHz)  | Conducted Output Power (dBm) |       |       | Limit (dBm) | Result |
|                  | Ant.1                        | Ant.2 | Total |             |        |
| 5190.00          | 11.64                        | 11.67 | 14.67 | 28.49       | Pass   |
| 5230.00          | 11.36                        | 12.15 | 14.78 | 28.49       | Pass   |
| 5755.00          | 11.64                        | 11.59 | 14.63 | 28.49       | Pass   |
| 5795.00          | 12.05                        | 12.04 | 15.06 | 28.49       | Pass   |

| 802.11ac 80 mode |                              |       |       |             |        |
|------------------|------------------------------|-------|-------|-------------|--------|
| Frequency (MHz)  | Conducted Output Power (dBm) |       |       | Limit (dBm) | Result |
|                  | Ant.1                        | Ant.2 | Total |             |        |
| 5210.00          | 11.70                        | 11.68 | 14.70 | 28.49       | Pass   |
| 5775.00          | 11.49                        | 11.80 | 14.66 | 28.49       | Pass   |

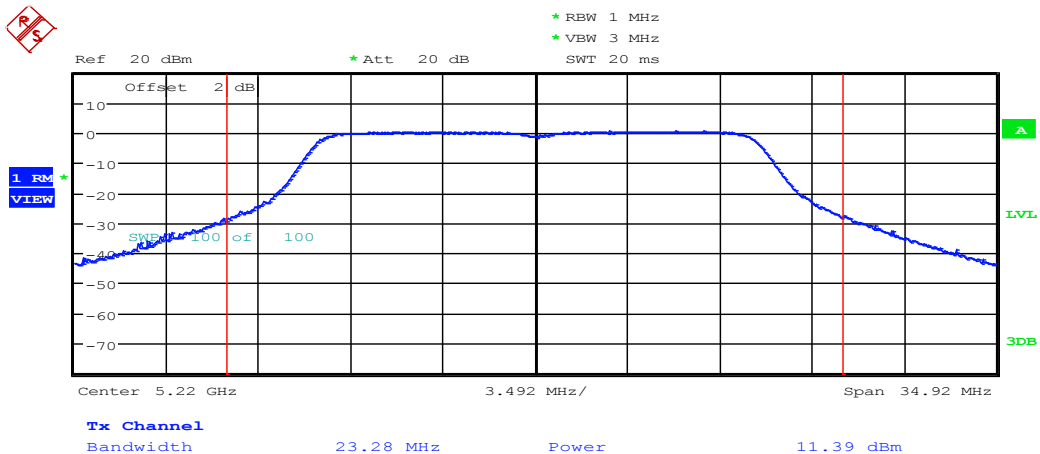
Remark: Power(dBm)=Level(dBm) + 10log(1/x), x is Duty Cycle.



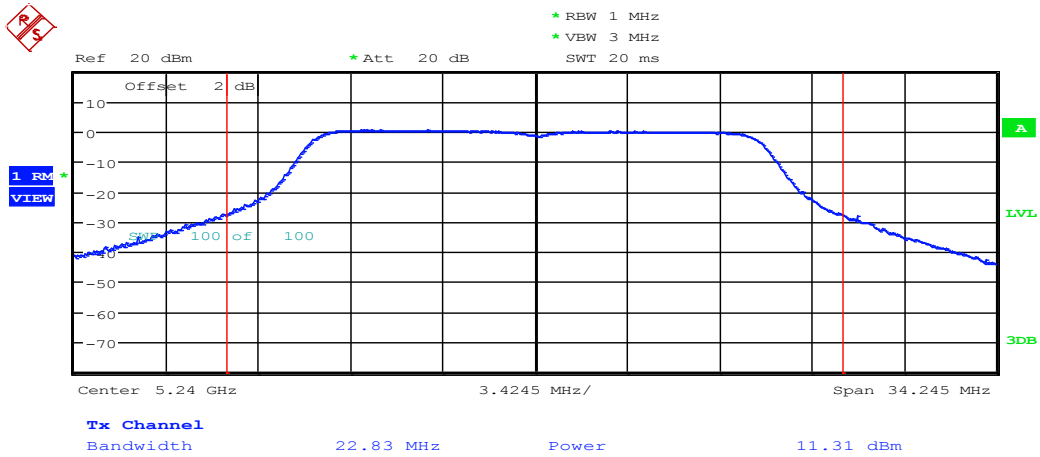
**Maximum Conduct Output Power\_11A\_5220\_Ant1**



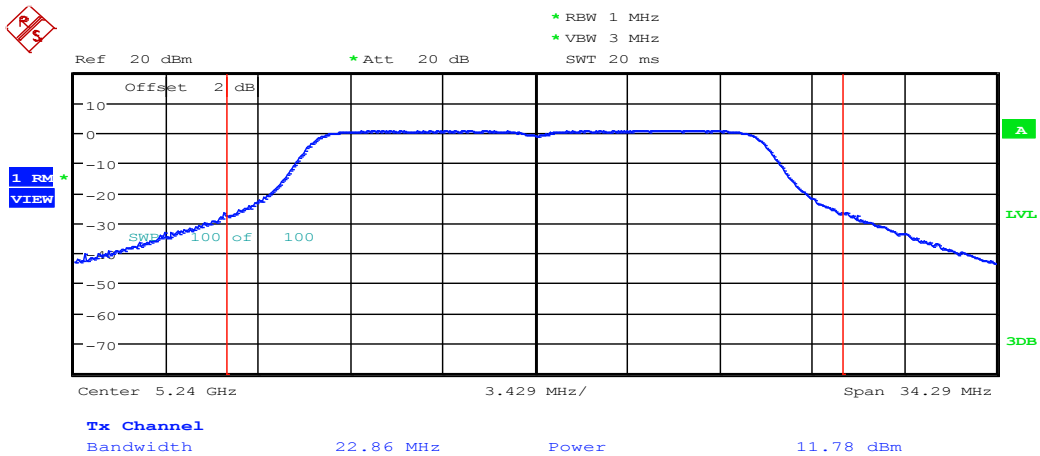
**Maximum Conduct Output Power\_11A\_5220\_Ant2**



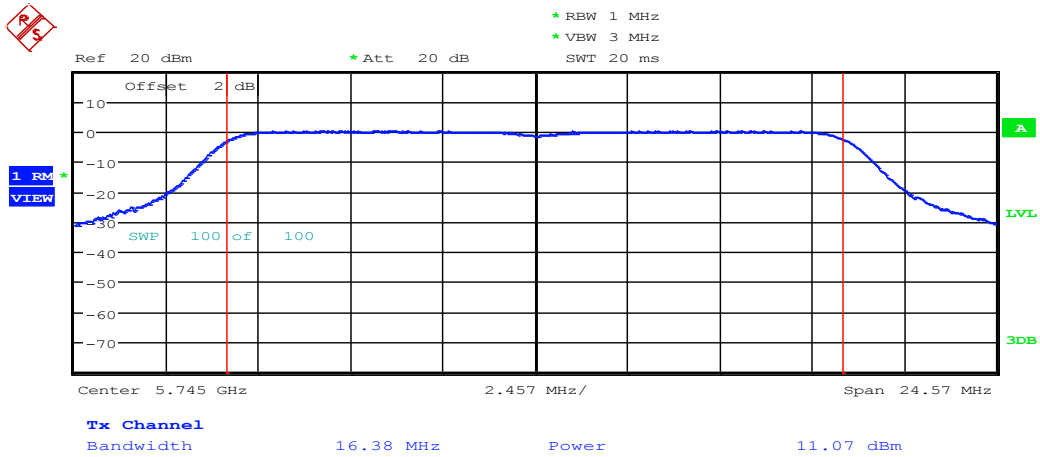
**Maximum Conduct Output Power\_11A\_5240\_Ant1**



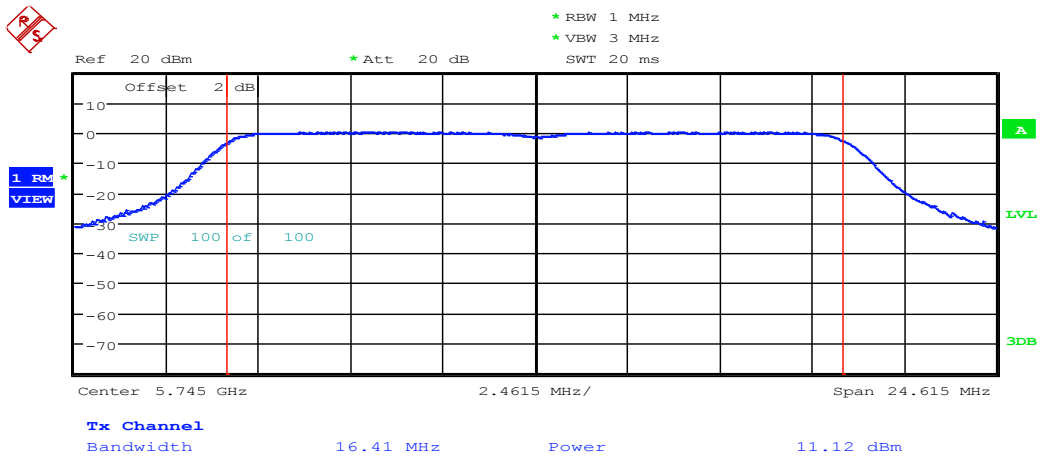
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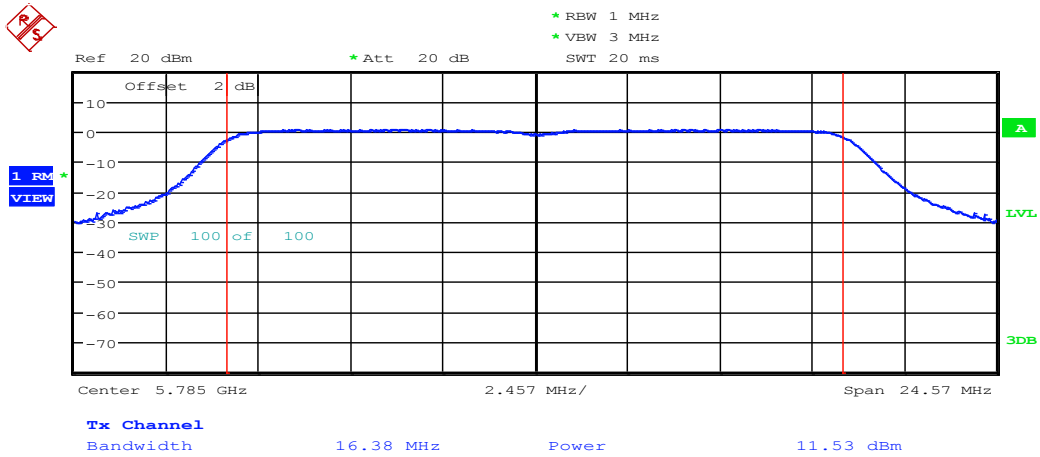
**Maximum Conduct Output Power\_11A\_5745\_Ant1**



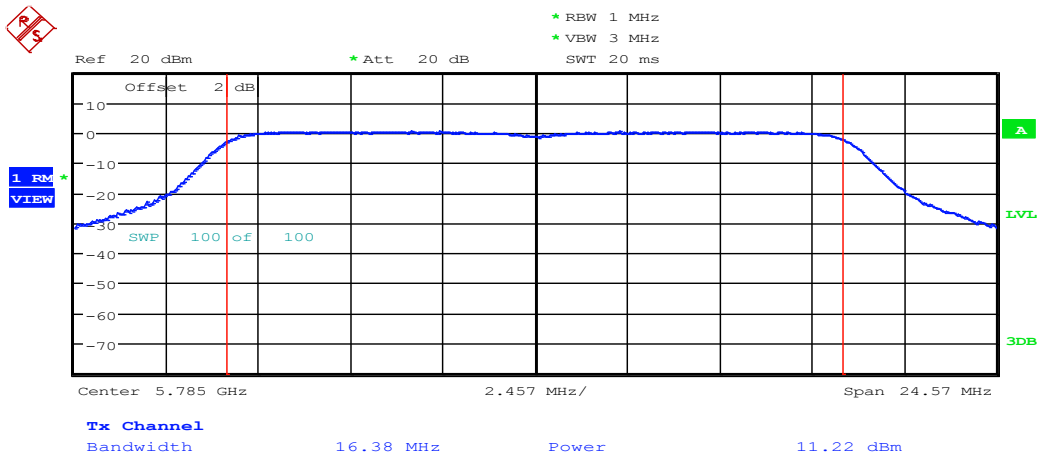
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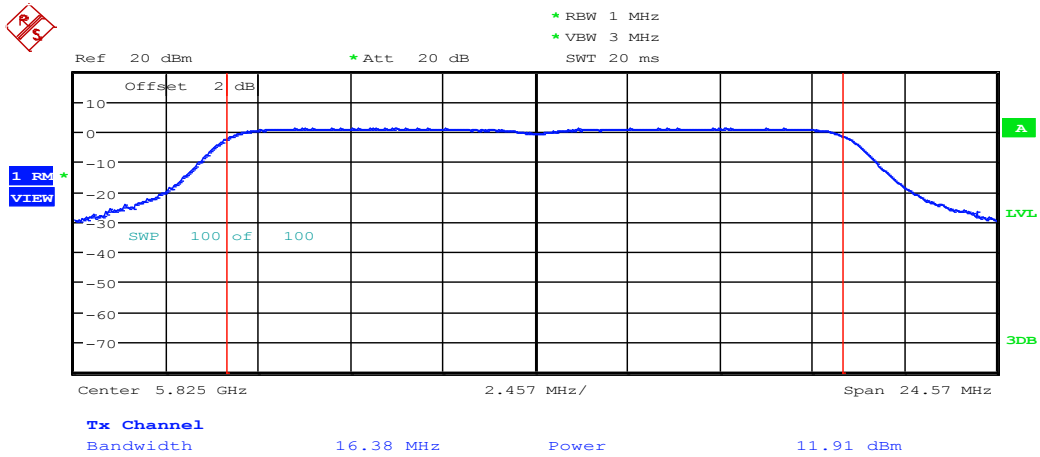
**Maximum Conduct Output Power\_11A\_5785\_Ant1**



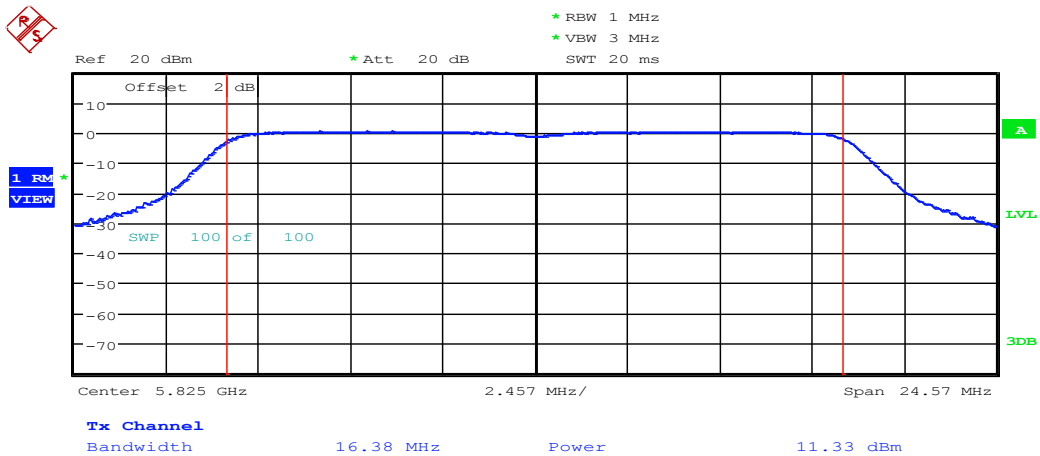
**Maximum Conduct Output Power\_11A\_5785\_Ant2**



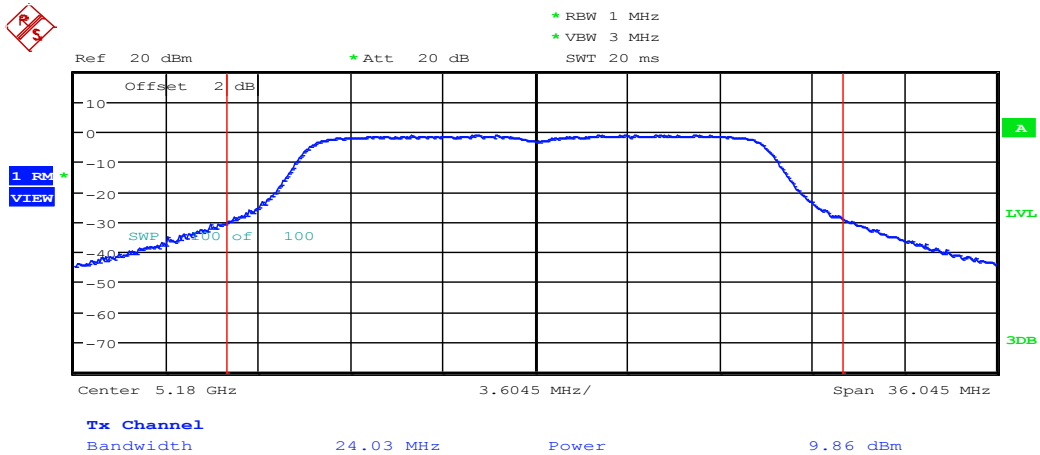
**Maximum Conduct Output Power\_11A\_5825\_Ant1**



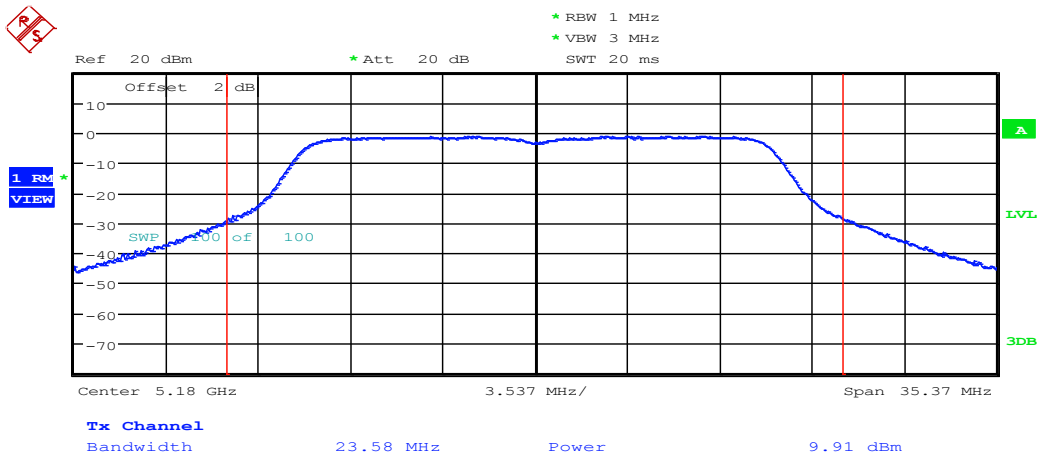
**Maximum Conduct Output Power\_11A\_5825\_Ant2**



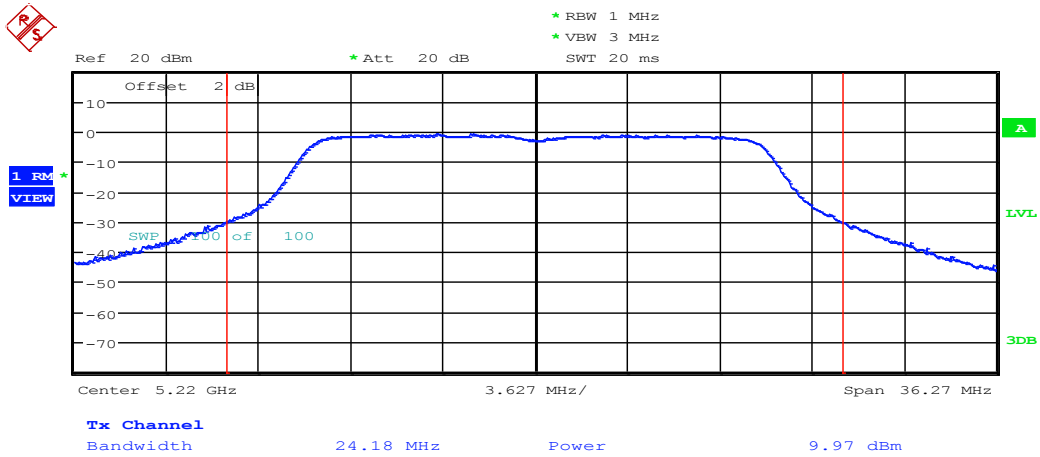
**Maximum Conduct Output Power\_11N20\_5180\_Ant1**



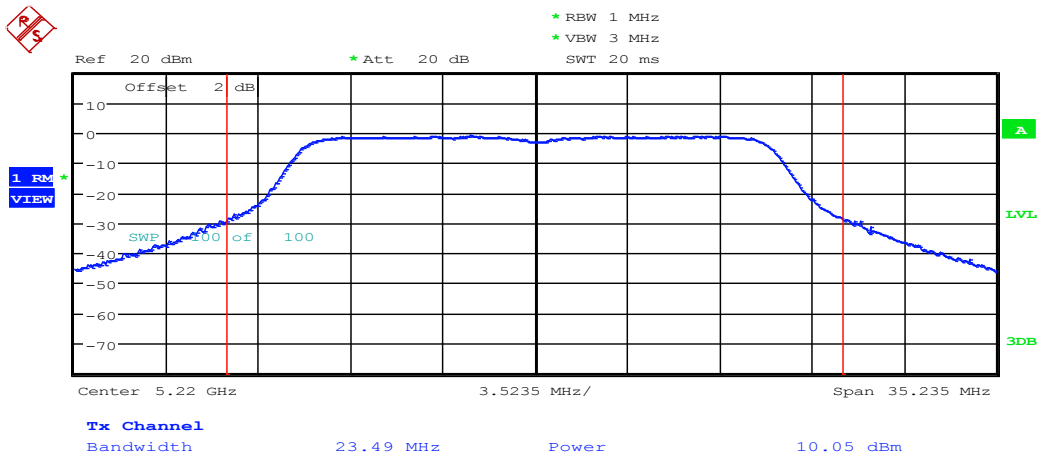
**Maximum Conduct Output Power\_11N20\_5180\_Ant2**



Maximum Conduct Output Power\_11N20\_5220\_Ant1

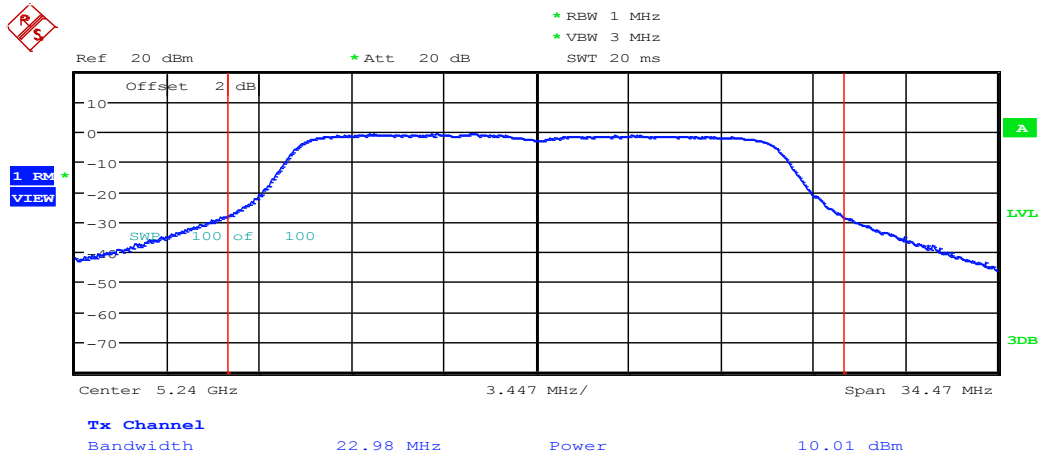


Maximum Conduct Output Power\_11N20\_5220\_Ant2

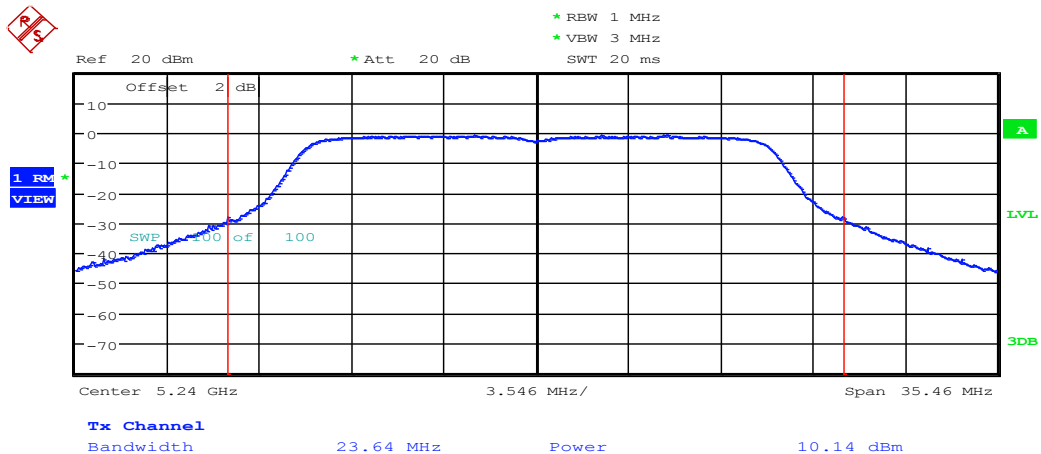




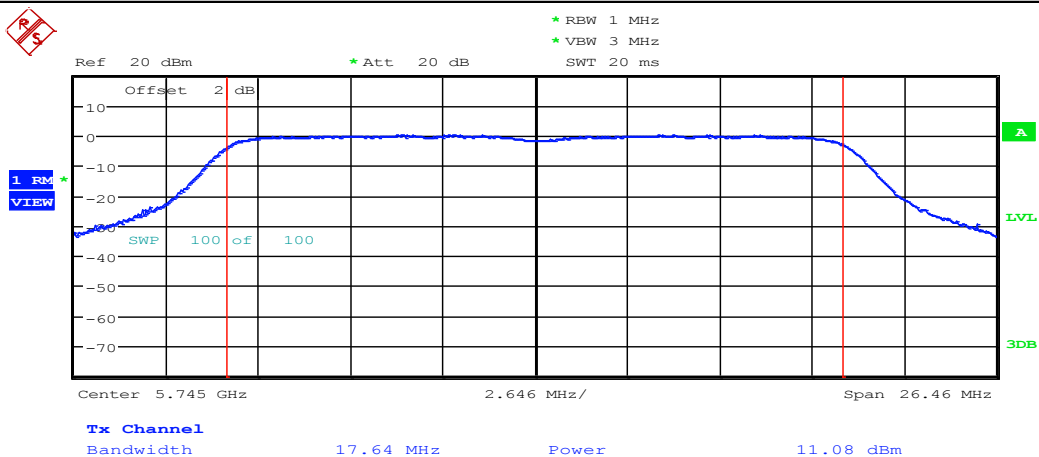
Maximum Conduct Output Power\_11N20\_5240\_Ant1



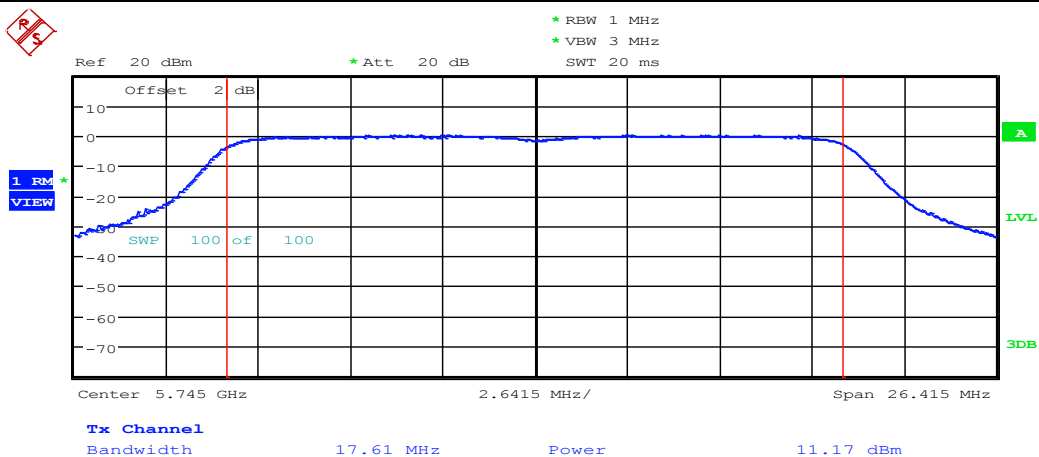
Maximum Conduct Output Power\_11N20\_5240\_Ant2



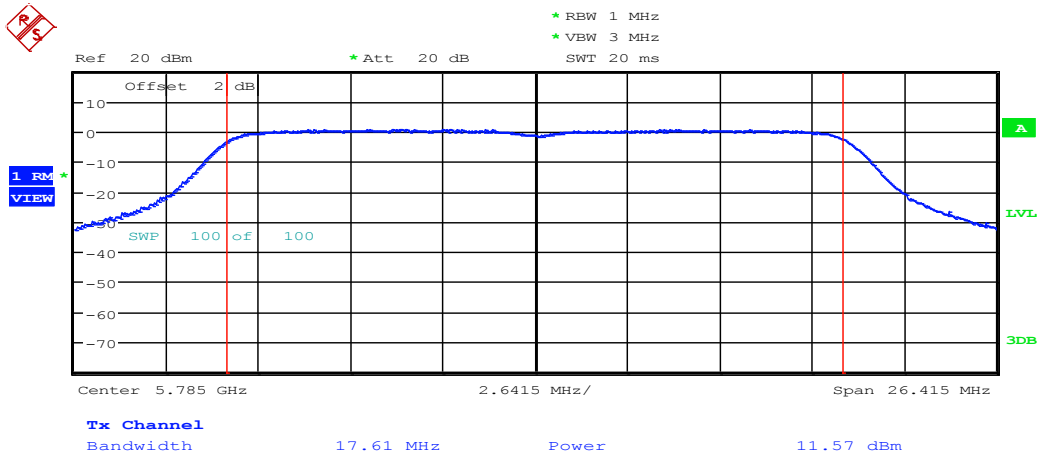
Maximum Conduct Output Power\_11N20\_5745\_Ant1



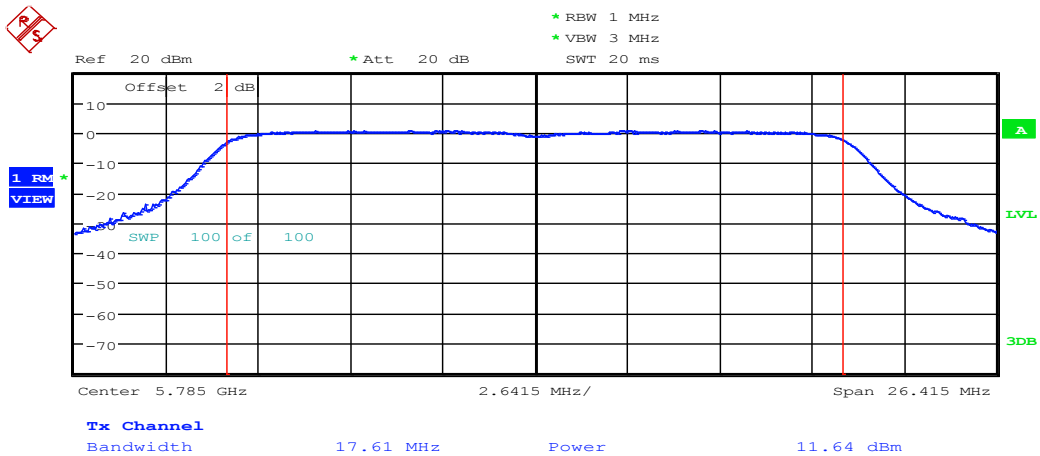
Maximum Conduct Output Power\_11N20\_5745\_Ant2



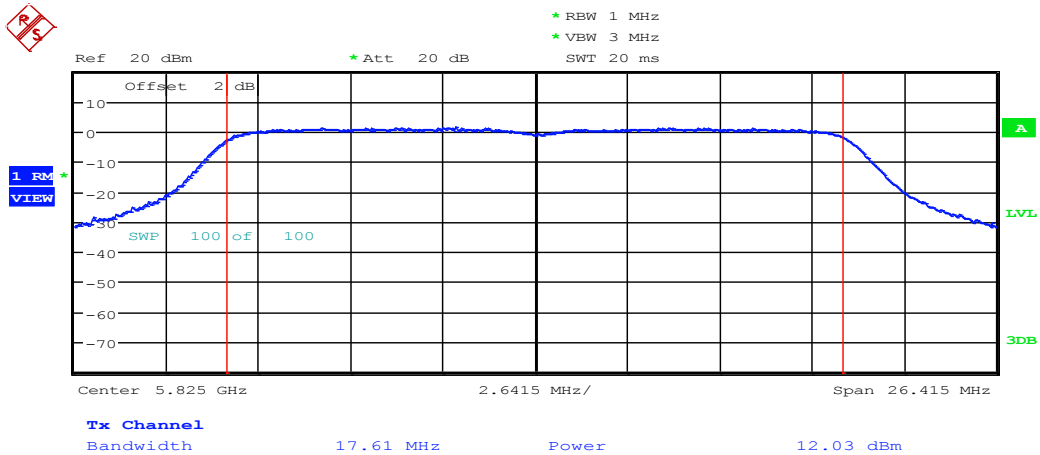
**Maximum Conduct Output Power\_11N20\_5785\_Ant1**



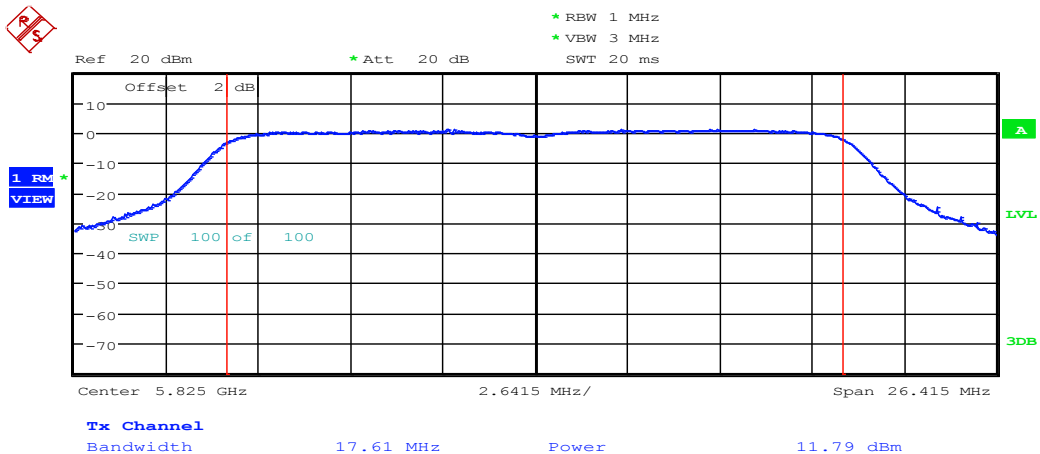
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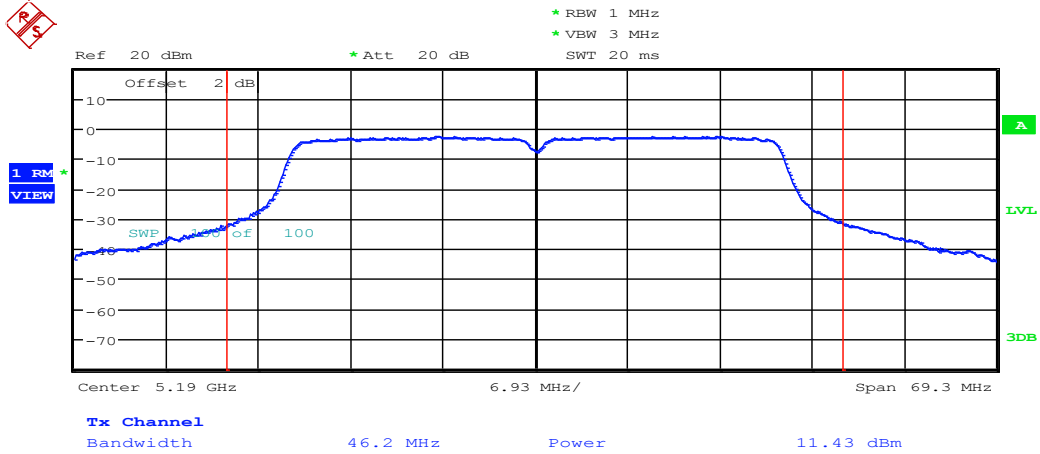
Maximum Conduct Output Power\_11N20\_5825\_Ant1



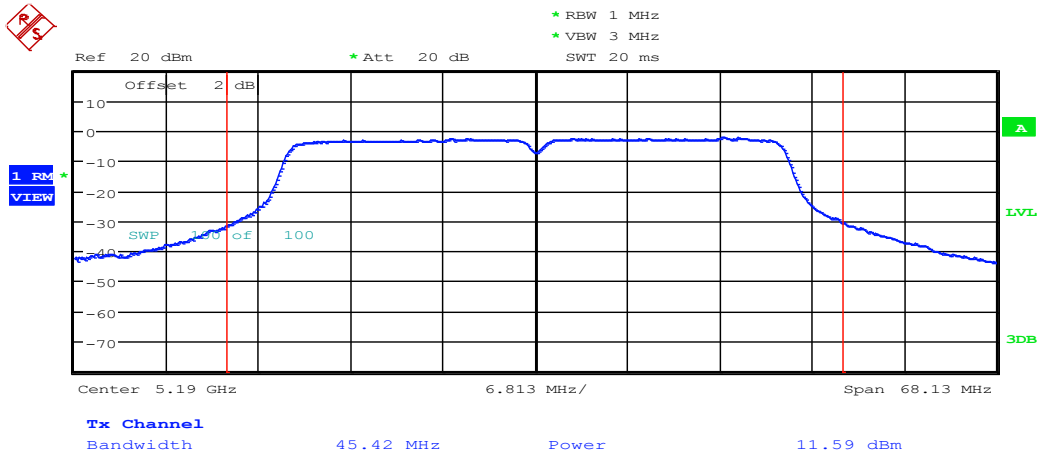
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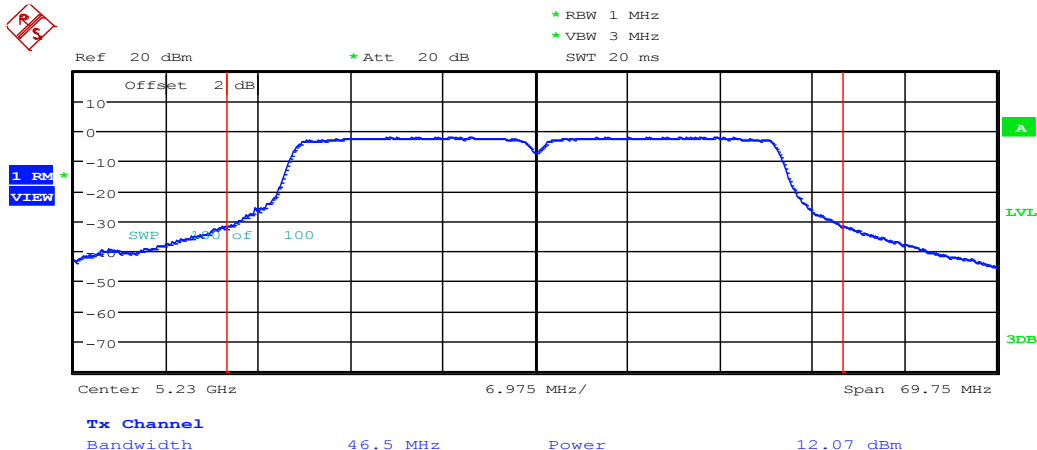
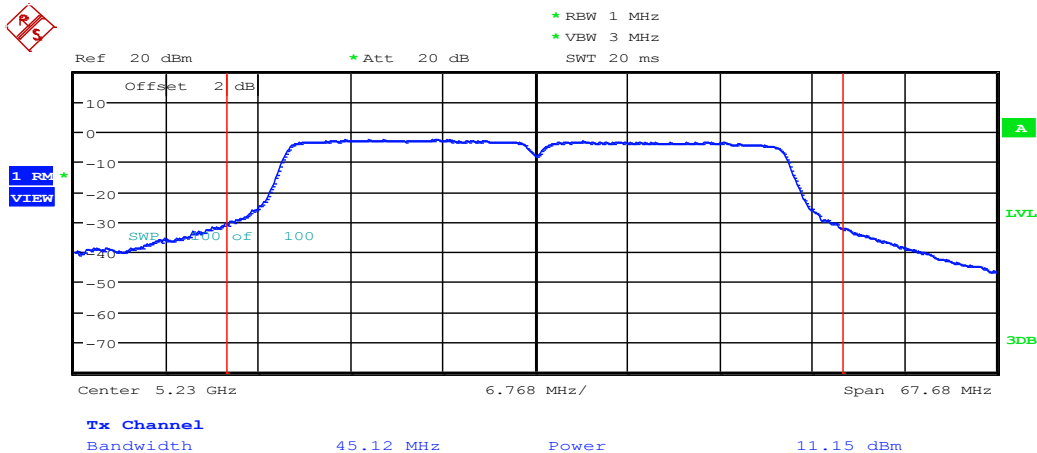


**Maximum Conduct Output Power\_11N40\_5190\_Ant1**

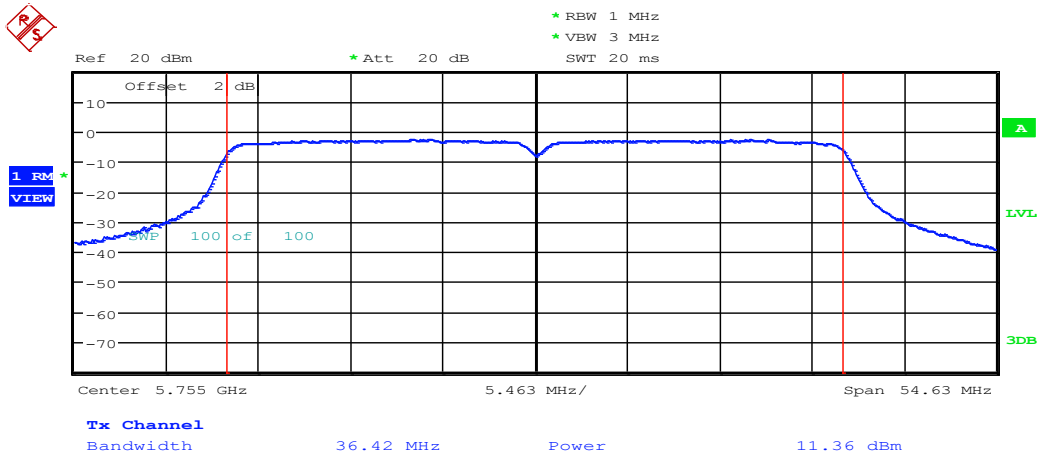


**Maximum Conduct Output Power\_11N40\_5190\_Ant2**

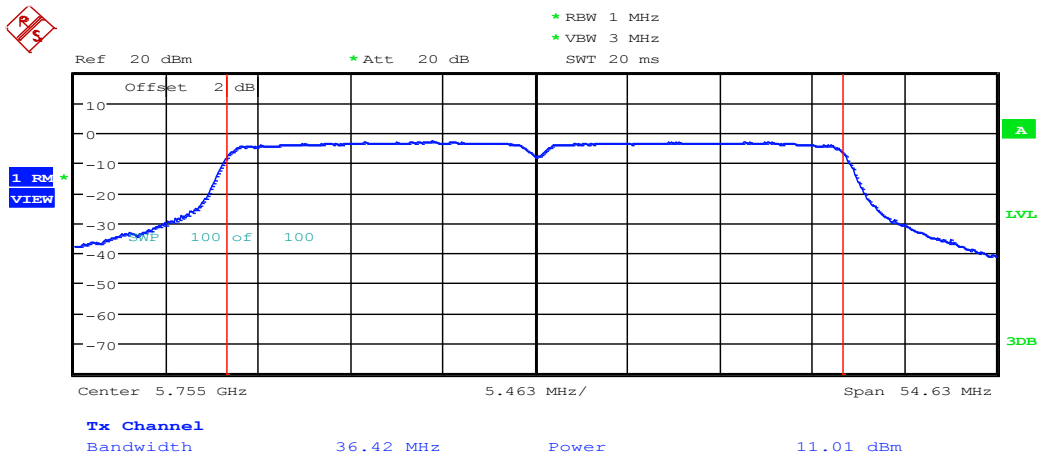




Maximum Conduct Output Power\_11N40\_5755\_Ant1

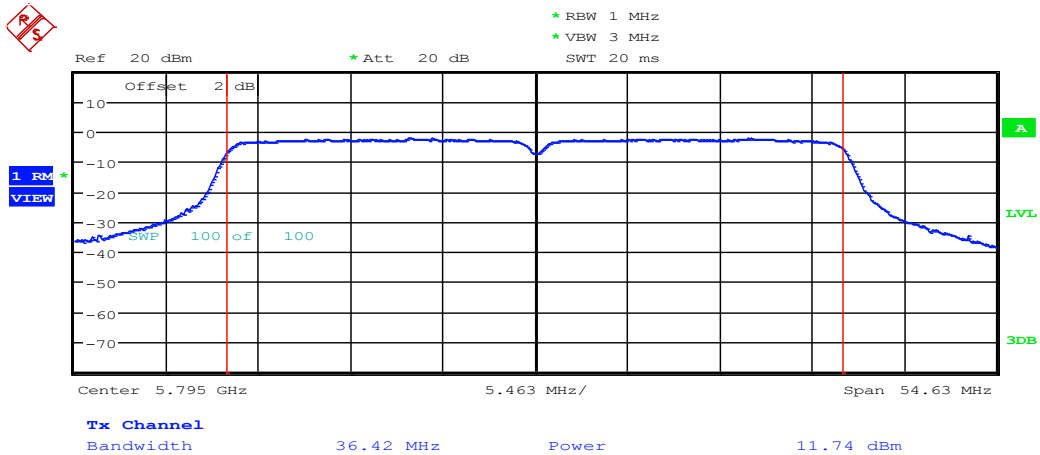


Maximum Conduct Output Power\_11N40\_5755\_Ant2

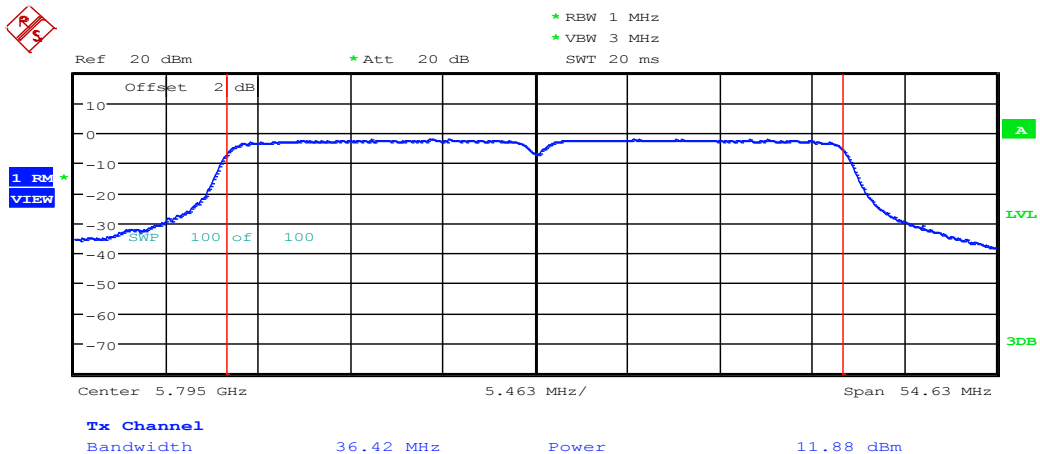




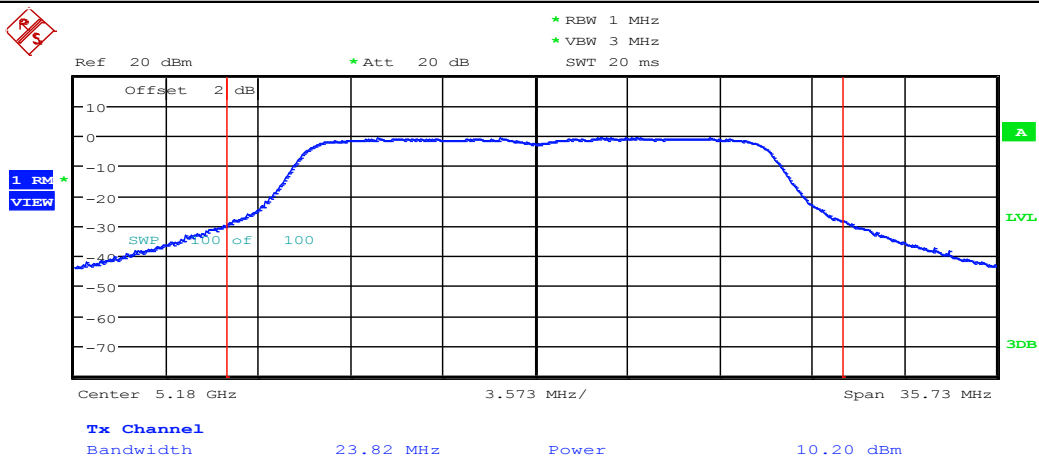
Maximum Conduct Output Power\_11N40\_5795\_Ant1



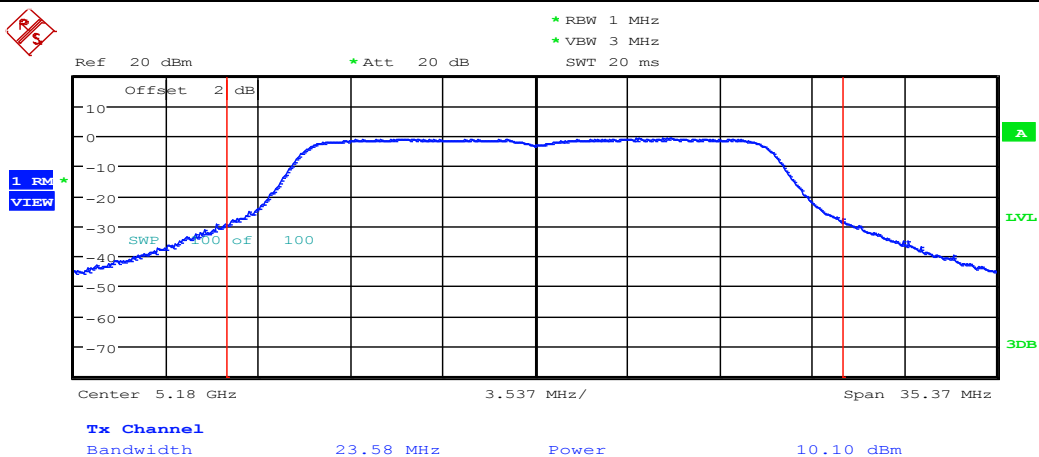
Maximum Conduct Output Power\_11N40\_5795\_Ant2



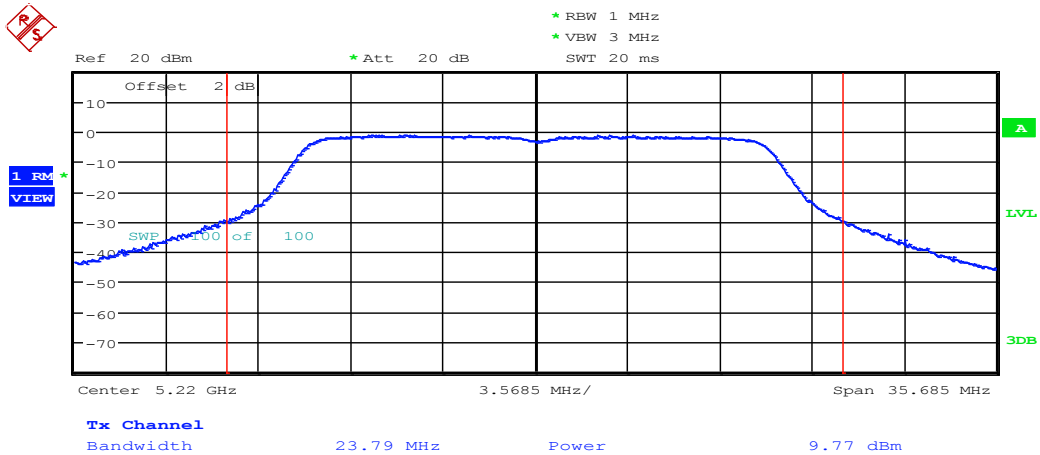
## Maximum Conduct Output Power 11AC20 5180 Ant1



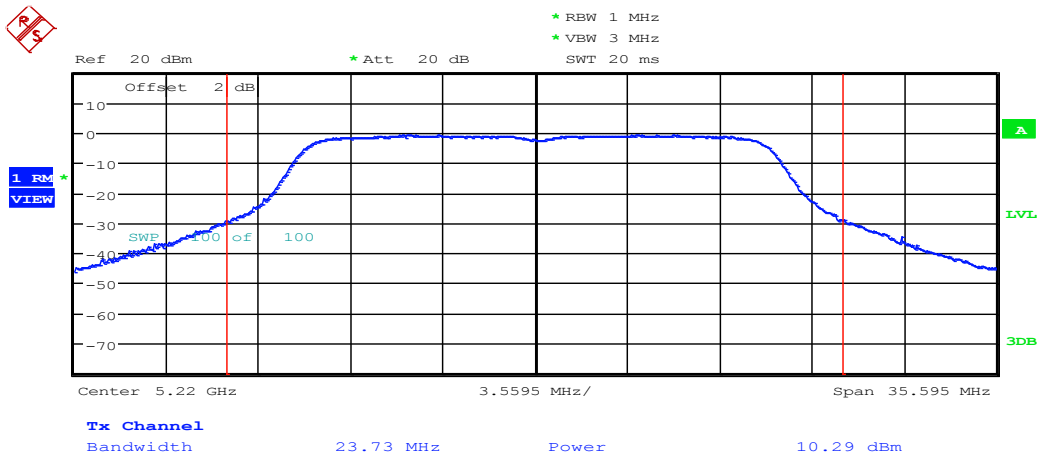
## Maximum Conduct Output Power 11AC20 5180 Ant2



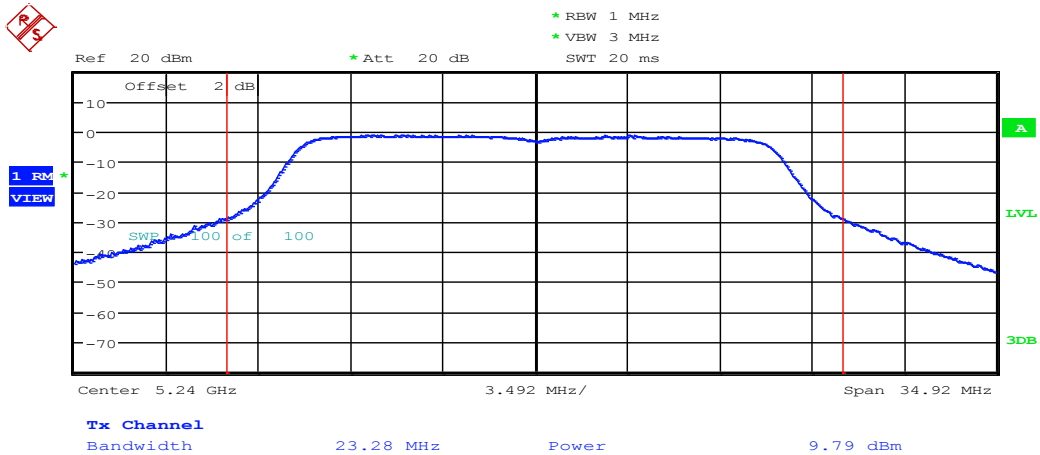
**Maximum Conduct Output Power\_11AC20\_5220\_Ant1**



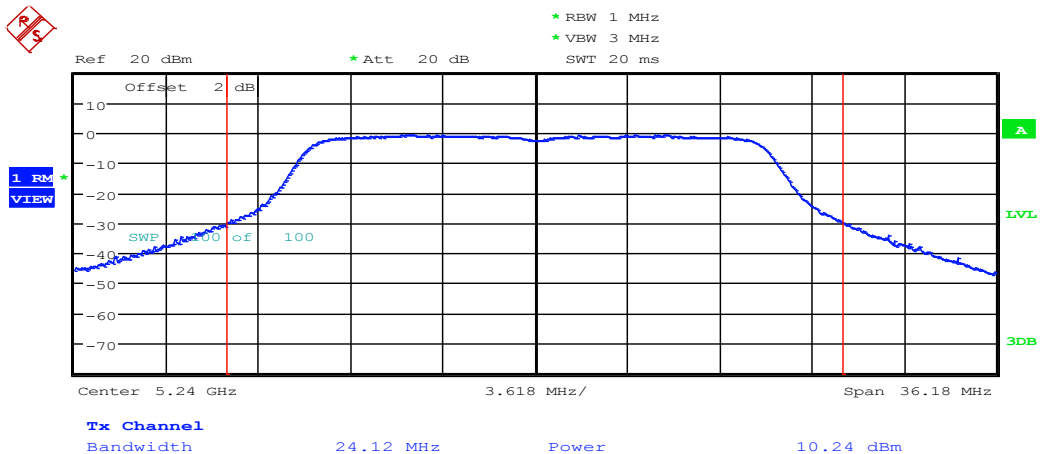
**Maximum Conduct Output Power\_11AC20\_5220\_Ant2**



**Maximum Conduct Output Power\_11AC20\_5240\_Ant1**

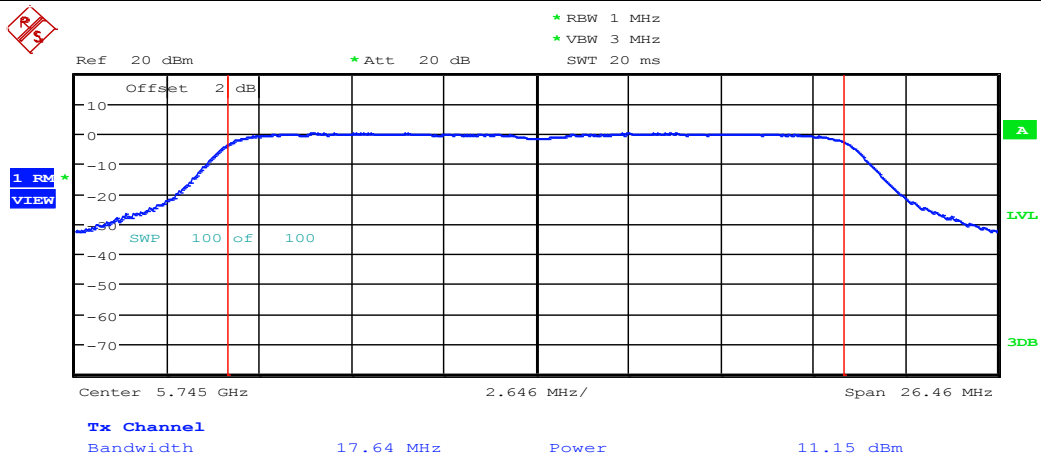


**Maximum Conduct Output Power\_11AC20\_5240\_Ant2**

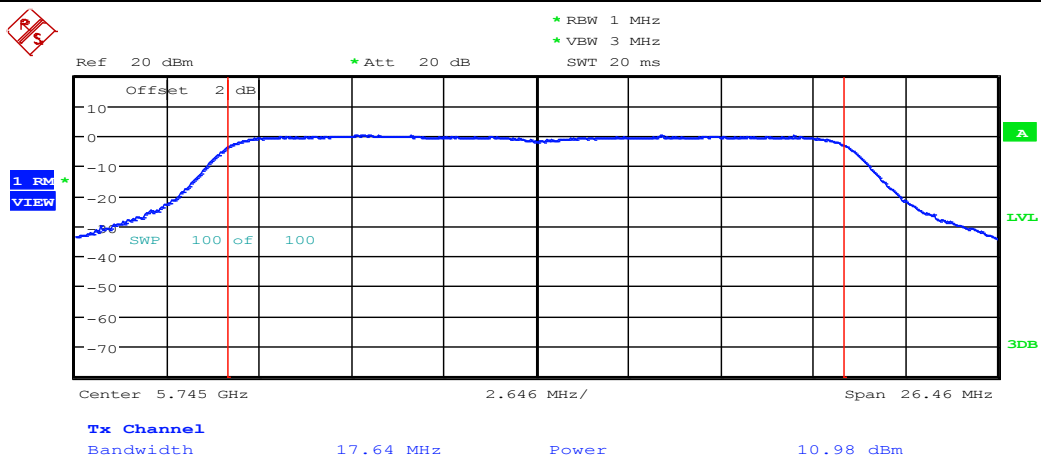




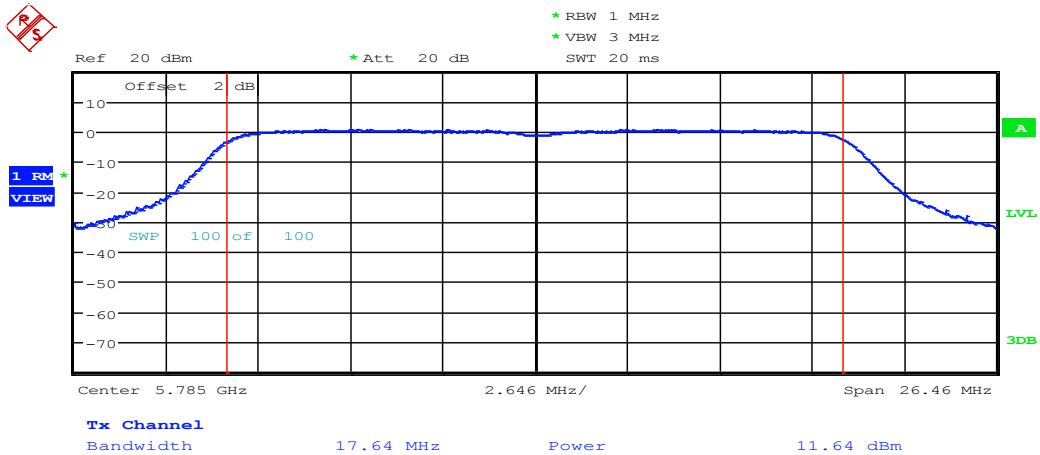
Maximum Conduct Output Power\_11AC20\_5745\_Ant1



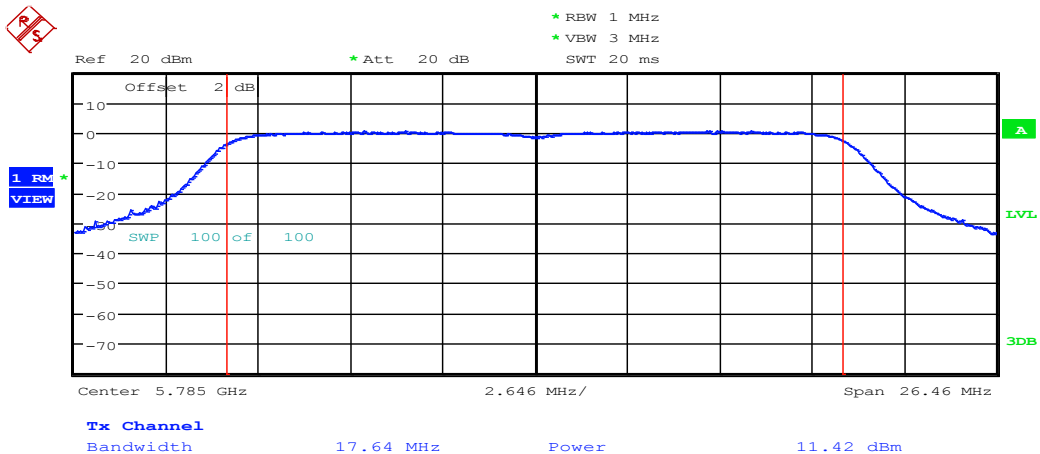
Maximum Conduct Output Power\_11AC20\_5745\_Ant2



**Maximum Conduct Output Power\_11AC20\_5785\_Ant1**

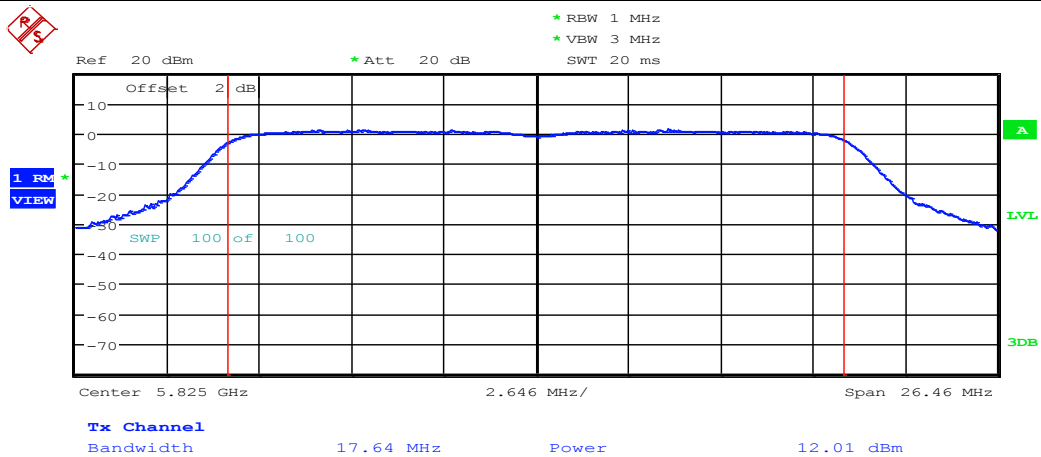


**Maximum Conduct Output Power\_11AC20\_5785\_Ant2**

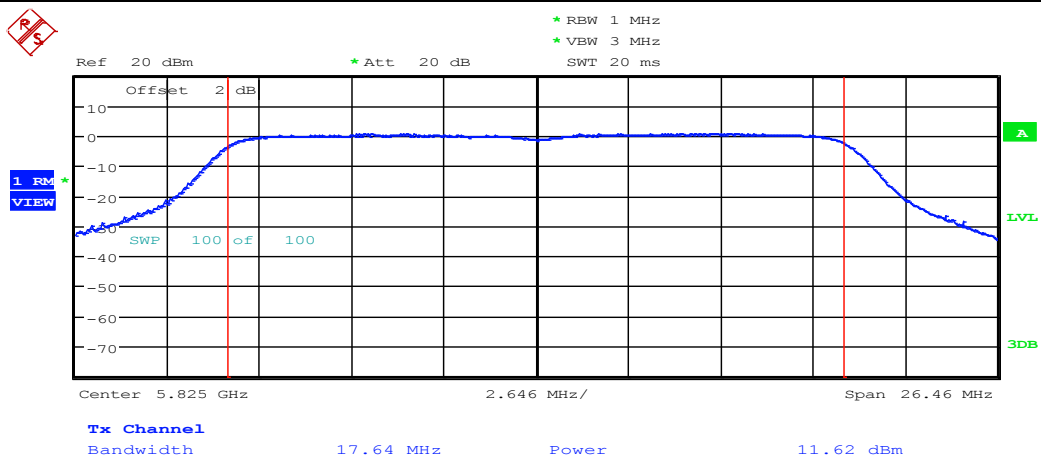




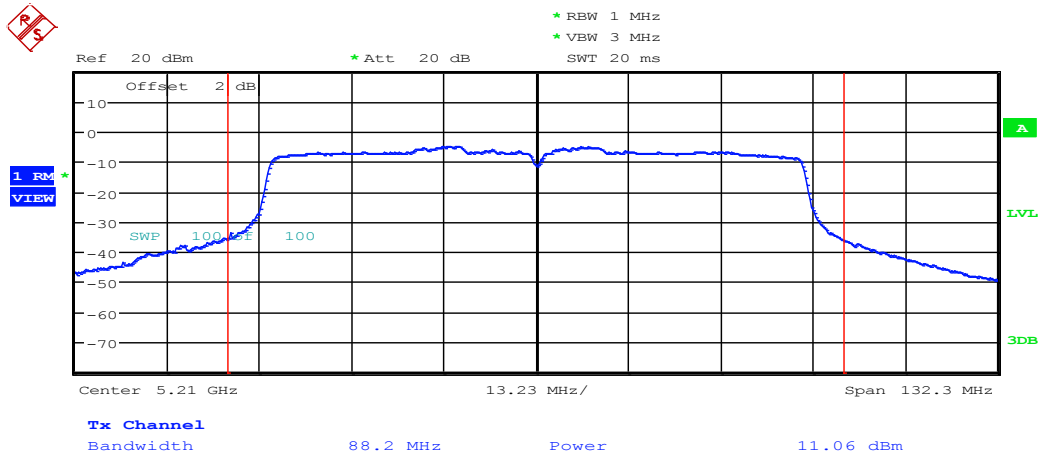
Maximum Conduct Output Power\_11AC20\_5825\_Ant1



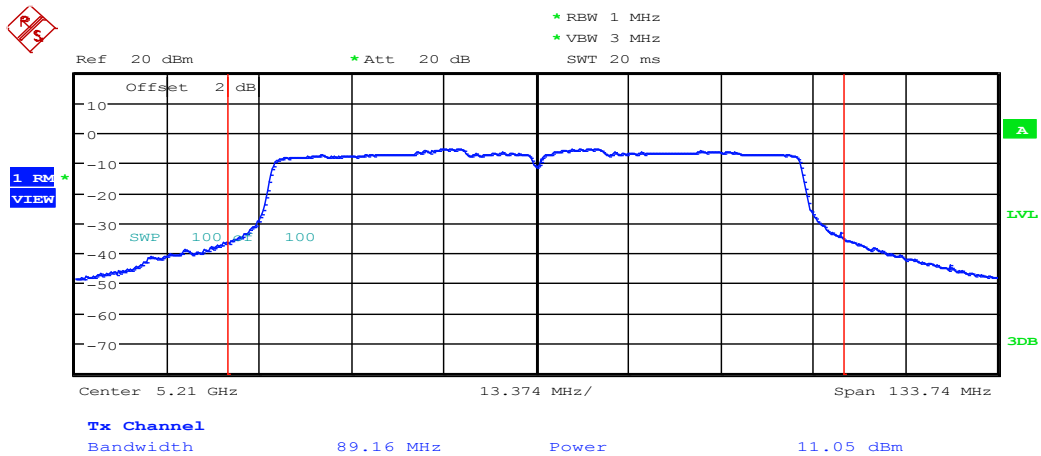
Maximum Conduct Output Power\_11AC20\_5825\_Ant2



**Maximum Conduct Output Power\_11AC80\_5210\_Ant1**

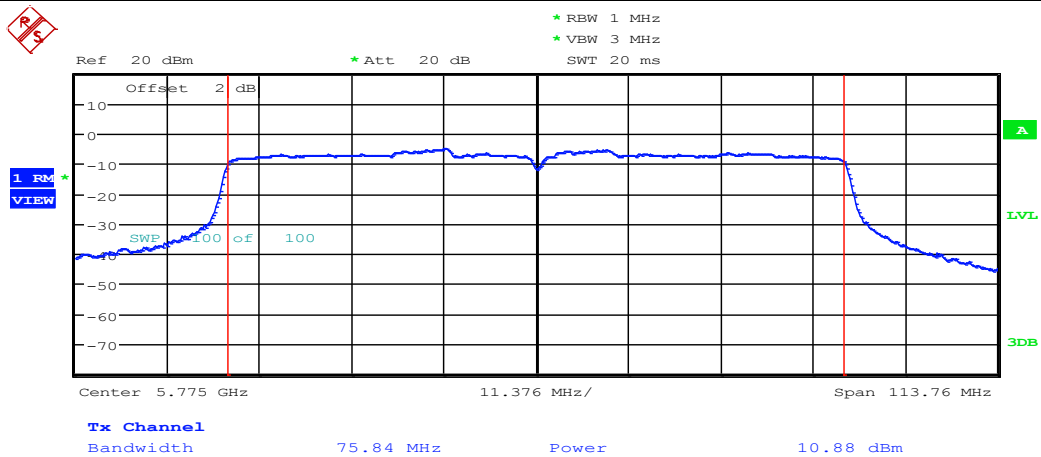


**Maximum Conduct Output Power\_11AC80\_5210\_Ant2**

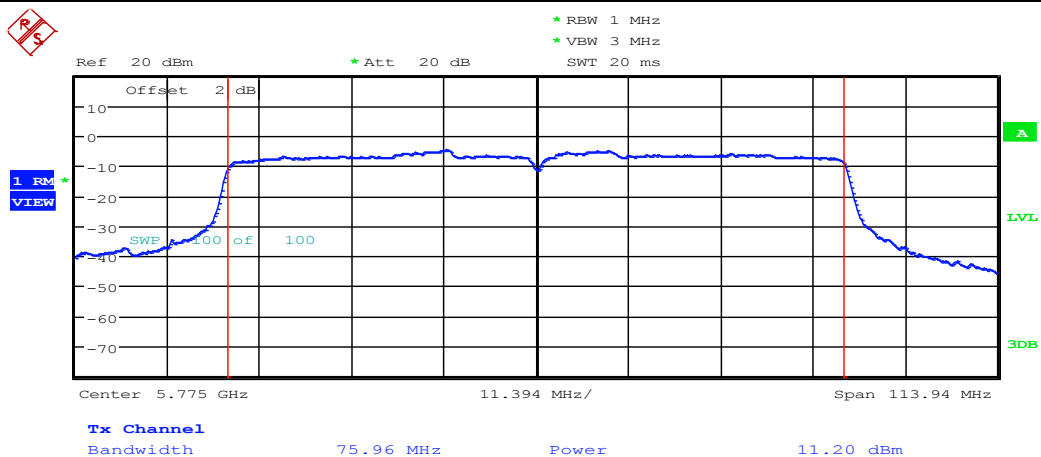




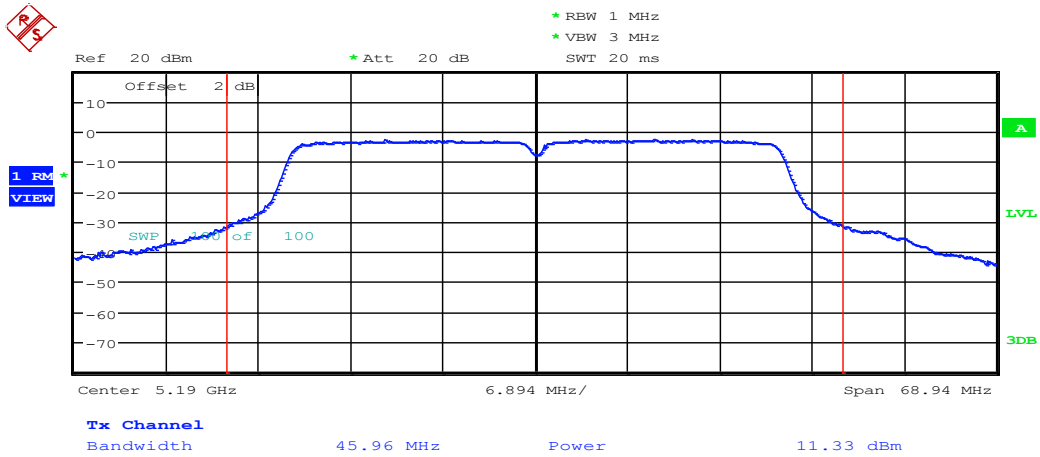
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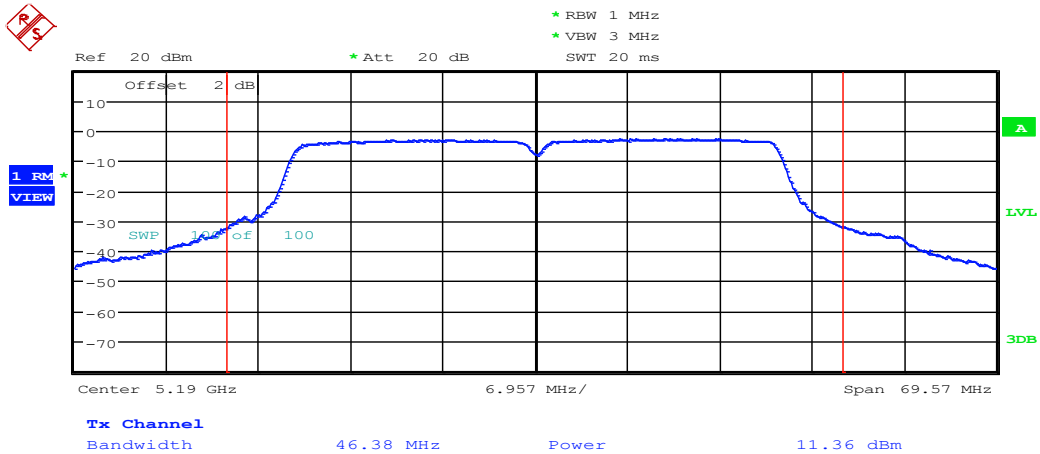
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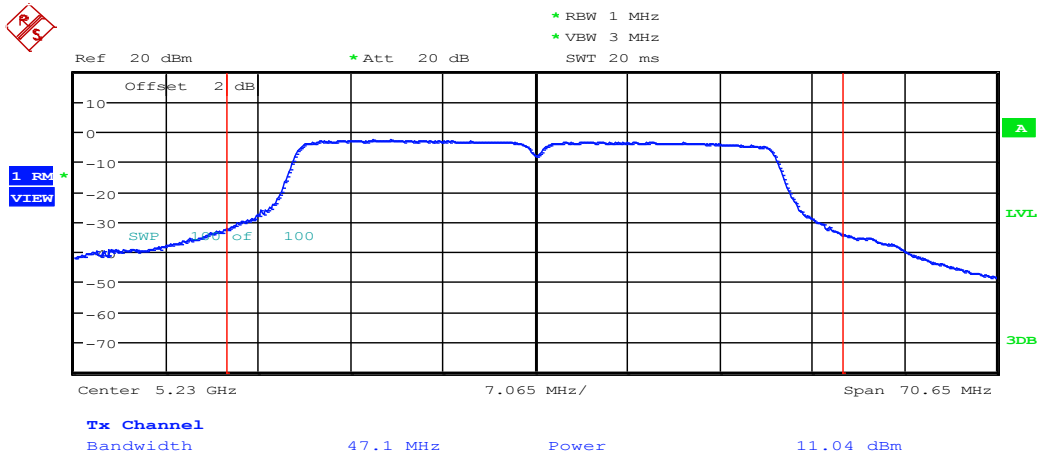
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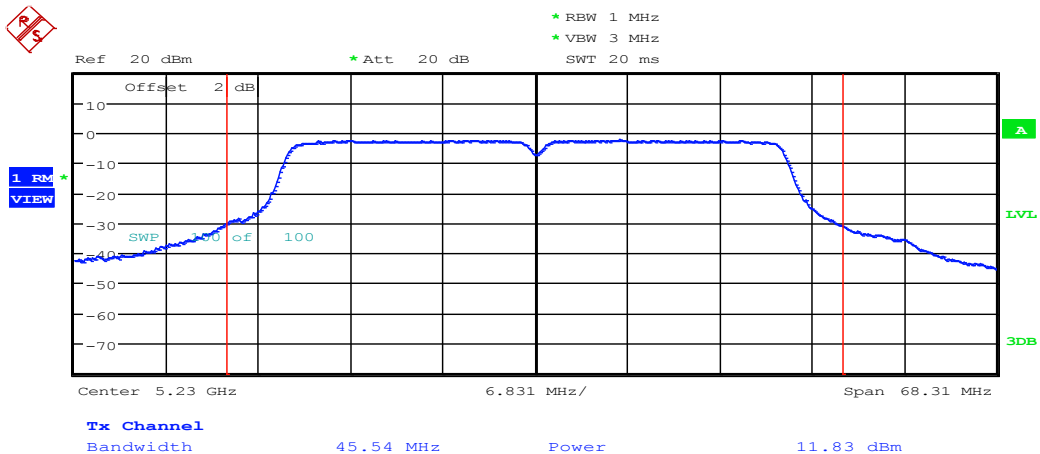
**Maximum Conduct Output Power\_11AC40\_5190\_Ant2**



**Maximum Conduct Output Power\_11AC40\_5230\_Ant1**

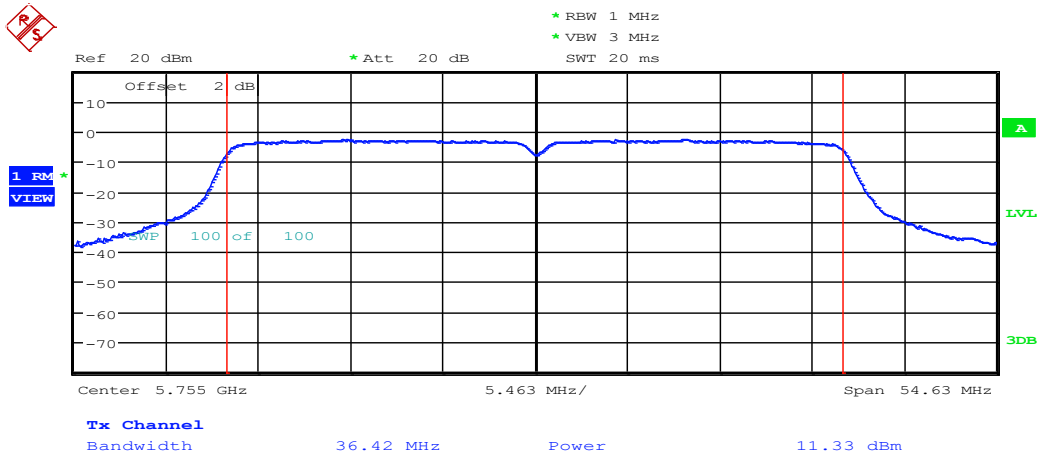


**Maximum Conduct Output Power\_11AC40\_5230\_Ant2**

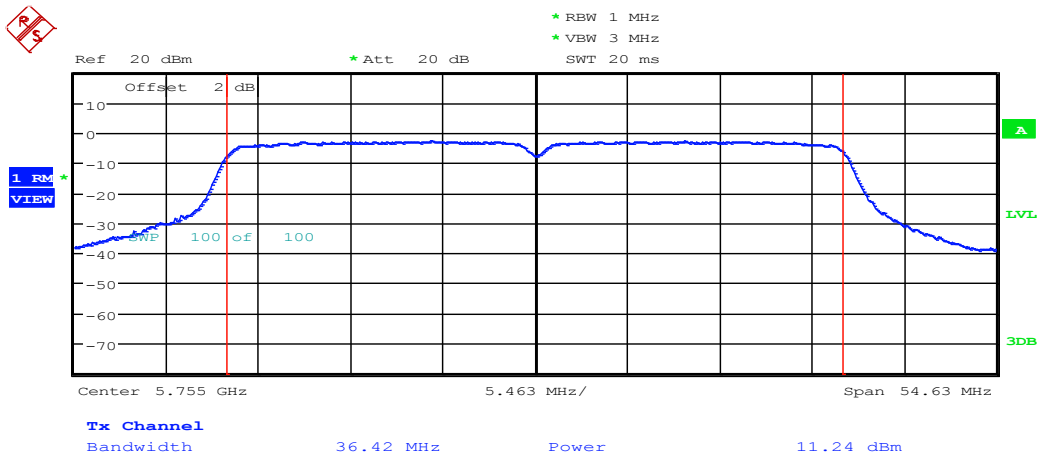




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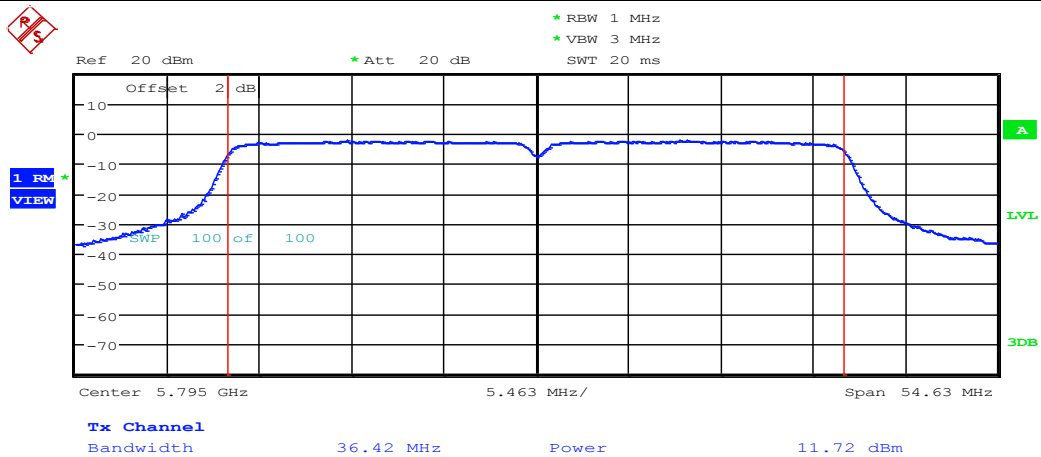


Maximum Conduct Output Power\_11AC40\_5755\_Ant2

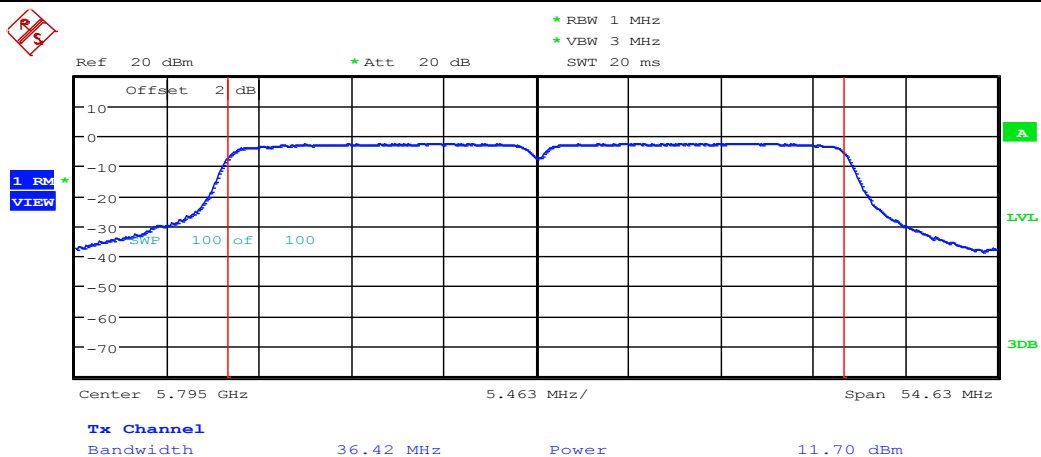




Maximum Conduct Output Power\_11AC40\_5795\_Ant1



Maximum Conduct Output Power\_11AC40\_5795\_Ant2





#### 4. Maximum Power Spectral Density

| 802.11a mode    |                        |       |                  |        |
|-----------------|------------------------|-------|------------------|--------|
| Frequency (MHz) | Power Spectral Density |       | Limit            | Result |
|                 | Ant.1                  | Ant.2 |                  |        |
| 5180.00         | 1.39                   | 0.88  | 15.49 dBm/1MHz   | Pass   |
| 5220.00         | 1.49                   | 1.05  | 15.49 dBm/1MHz   | Pass   |
| 5240.00         | 0.89                   | 1.18  | 15.49 dBm/1MHz   | Pass   |
| 5745.00         | -1.06                  | -1.01 | 28.49 dBm/500kHz | Pass   |
| 5785.00         | -0.63                  | -0.95 | 28.49 dBm/500kHz | Pass   |
| 5825.00         | -0.15                  | -0.82 | 28.49 dBm/500kHz | Pass   |

| 802.11 n20 mode |                        |       |       |                  |        |
|-----------------|------------------------|-------|-------|------------------|--------|
| Frequency (MHz) | Power Spectral Density |       |       | Limit            | Result |
|                 | Ant.1                  | Ant.2 | Total |                  |        |
| 5180.00         | -0.70                  | -0.61 | 2.36  | 15.49 dBm/1MHz   | Pass   |
| 5220.00         | -0.44                  | -0.41 | 2.59  | 15.49 dBm/1MHz   | Pass   |
| 5240.00         | -0.27                  | -0.36 | 2.70  | 15.49 dBm/1MHz   | Pass   |
| 5745.00         | -1.02                  | -0.69 | 2.16  | 28.49 dBm/500kHz | Pass   |
| 5785.00         | -0.42                  | -0.08 | 2.76  | 28.49 dBm/500kHz | Pass   |
| 5825.00         | -0.01                  | -0.01 | 3.00  | 28.49 dBm/500kHz | Pass   |

| 802.11 n40 mode |                        |       |       |                  |        |
|-----------------|------------------------|-------|-------|------------------|--------|
| Frequency (MHz) | Power Spectral Density |       |       | Limit            | Result |
|                 | Ant.1                  | Ant.2 | Total |                  |        |
| 5190.00         | -2.07                  | -1.75 | 1.10  | 15.49 dBm/1MHz   | Pass   |
| 5230.00         | -1.95                  | -1.46 | 1.31  | 15.49 dBm/1MHz   | Pass   |
| 5755.00         | -3.52                  | -3.86 | -0.68 | 28.49 dBm/500kHz | Pass   |
| 5795.00         | -3.38                  | -2.99 | -0.17 | 28.49 dBm/500kHz | Pass   |

| 802.11ac 20 mode |                        |       |       |                  |        |
|------------------|------------------------|-------|-------|------------------|--------|
| Frequency (MHz)  | Power Spectral Density |       |       | Limit            | Result |
|                  | Ant.1                  | Ant.2 | Total |                  |        |
| 5180.00          | -0.40                  | -0.40 | 2.61  | 15.49 dBm/1MHz   | Pass   |
| 5220.00          | -0.62                  | 0.06  | 2.74  | 15.49 dBm/1MHz   | Pass   |
| 5240.00          | -0.39                  | -0.15 | 2.74  | 15.49 dBm/1MHz   | Pass   |
| 5745.00          | -0.89                  | -0.96 | 2.09  | 28.49 dBm/500kHz | Pass   |
| 5785.00          | -0.30                  | -0.37 | 2.68  | 28.49 dBm/500kHz | Pass   |
| 5825.00          | 0.00                   | -0.29 | 2.87  | 28.49 dBm/500kHz | Pass   |



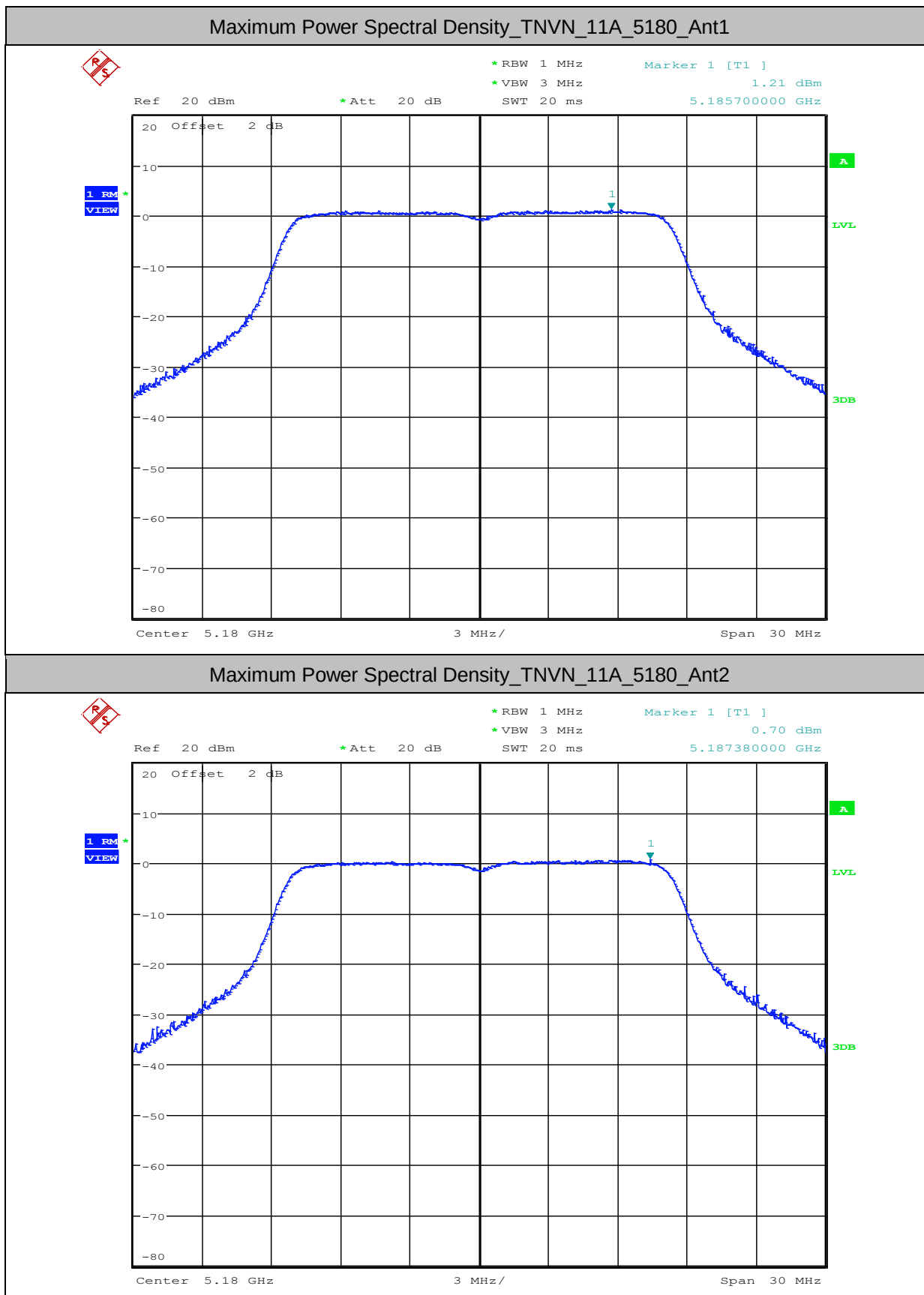
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**Shenzhen Branch**

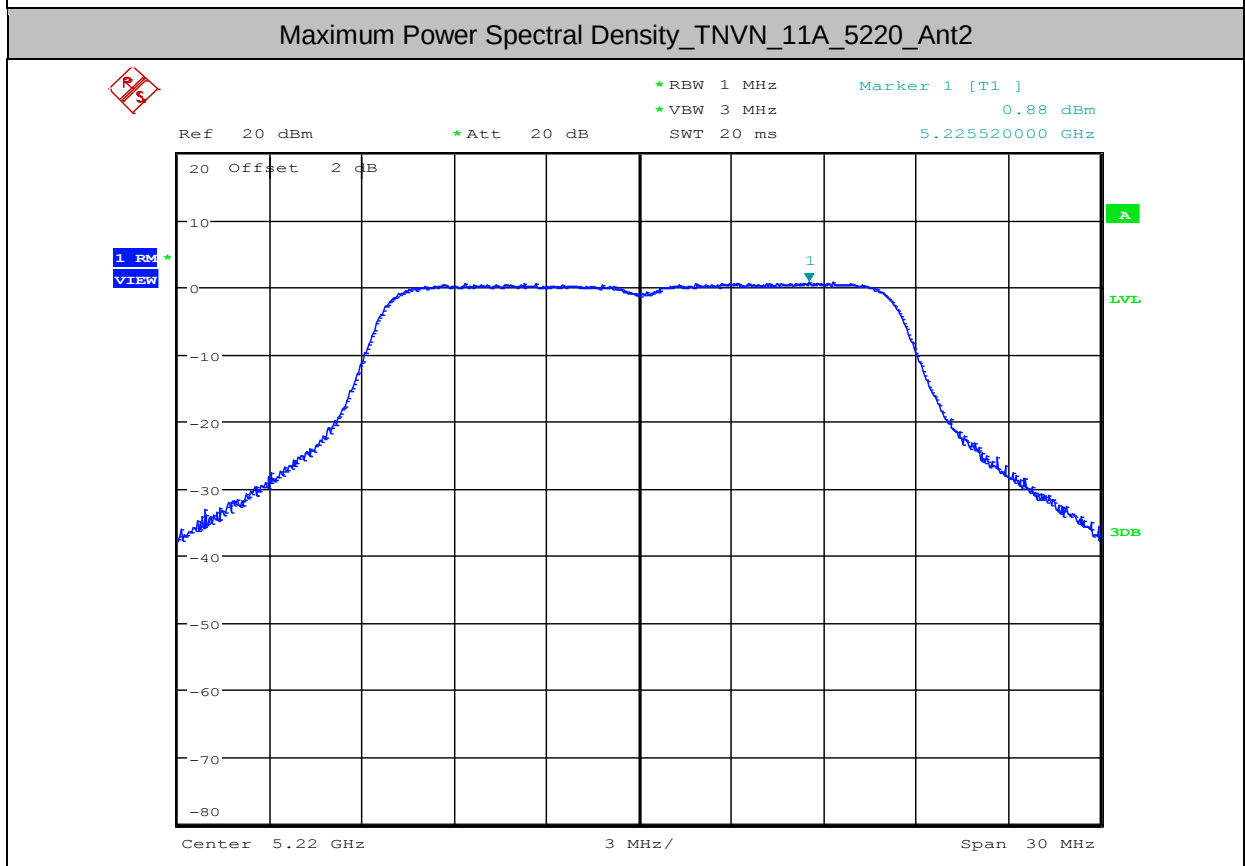
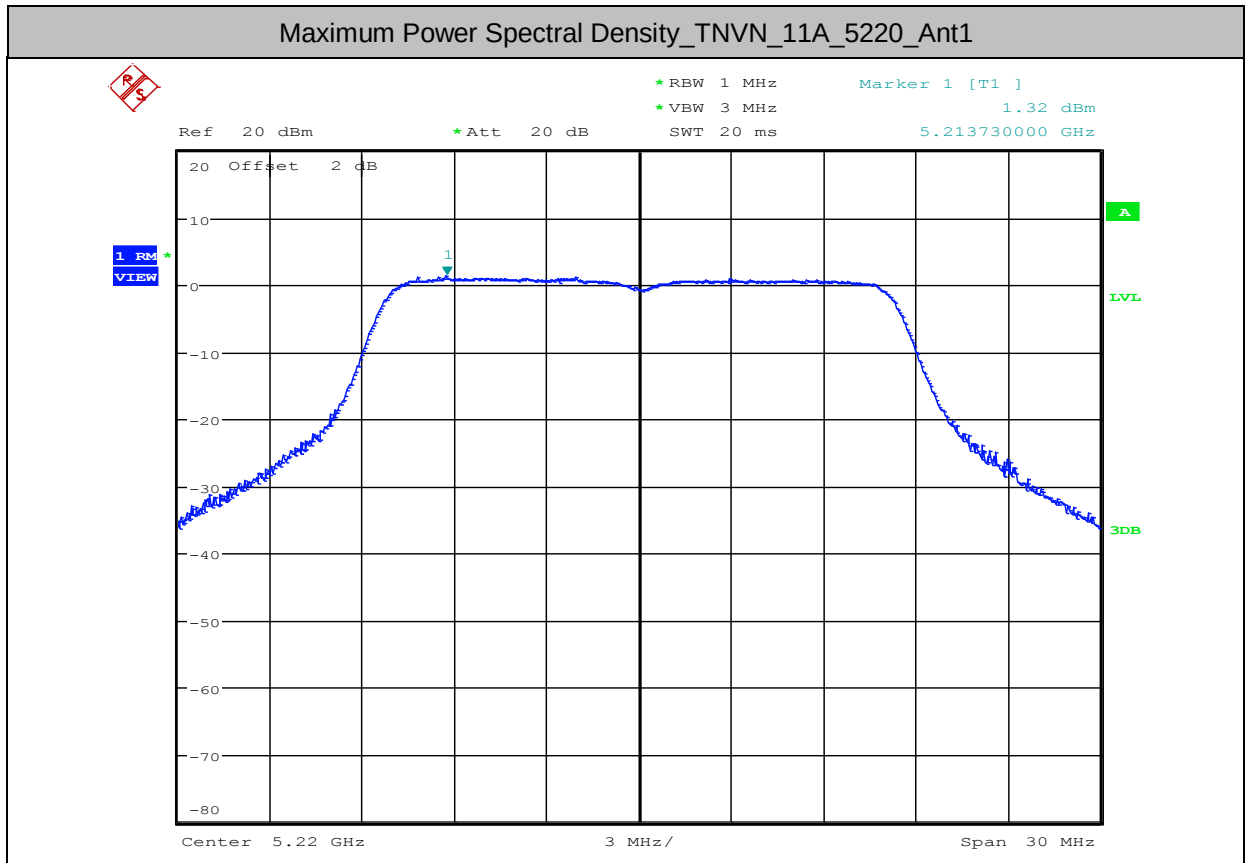
Report No.: HKES170800219103

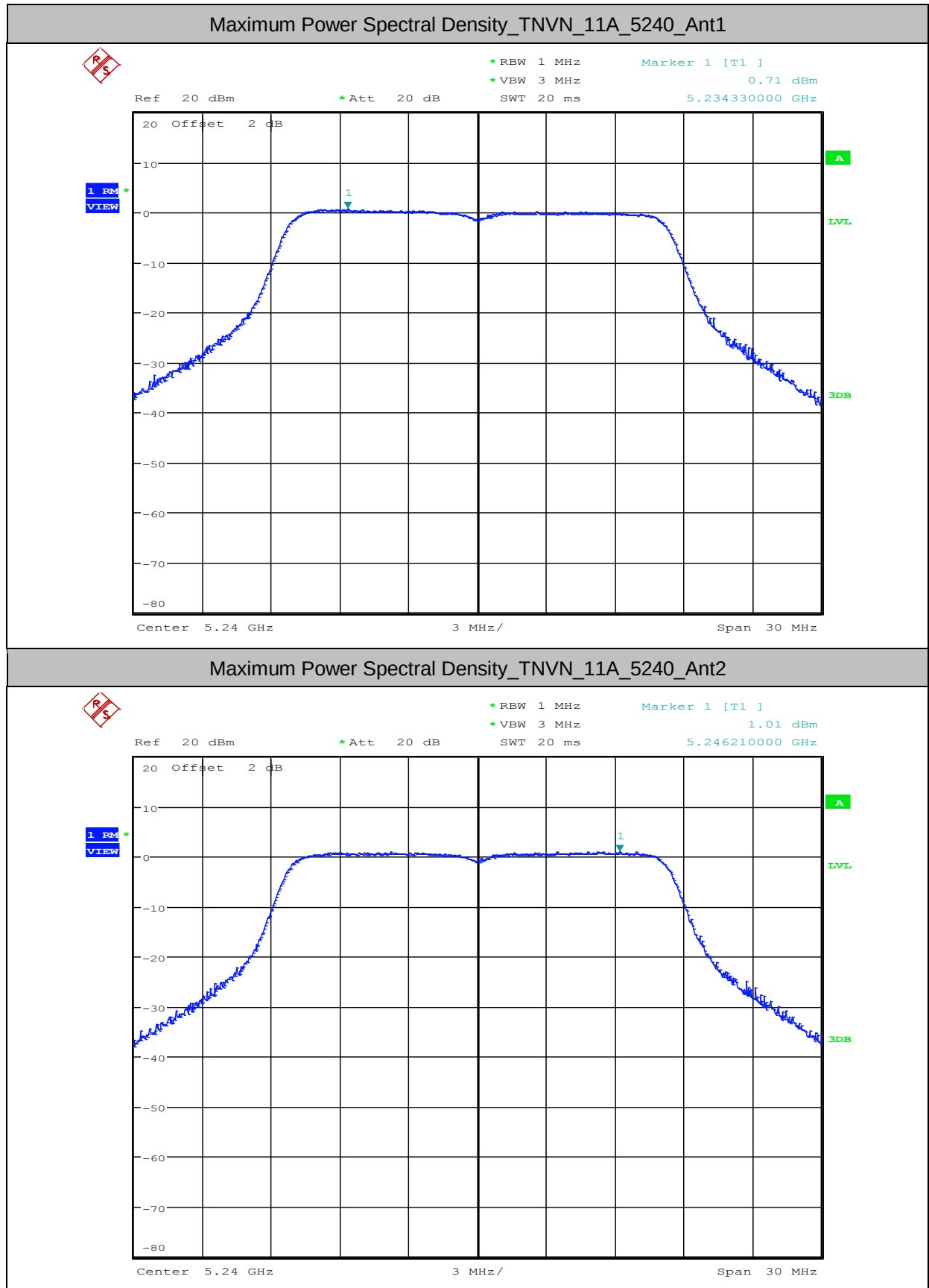
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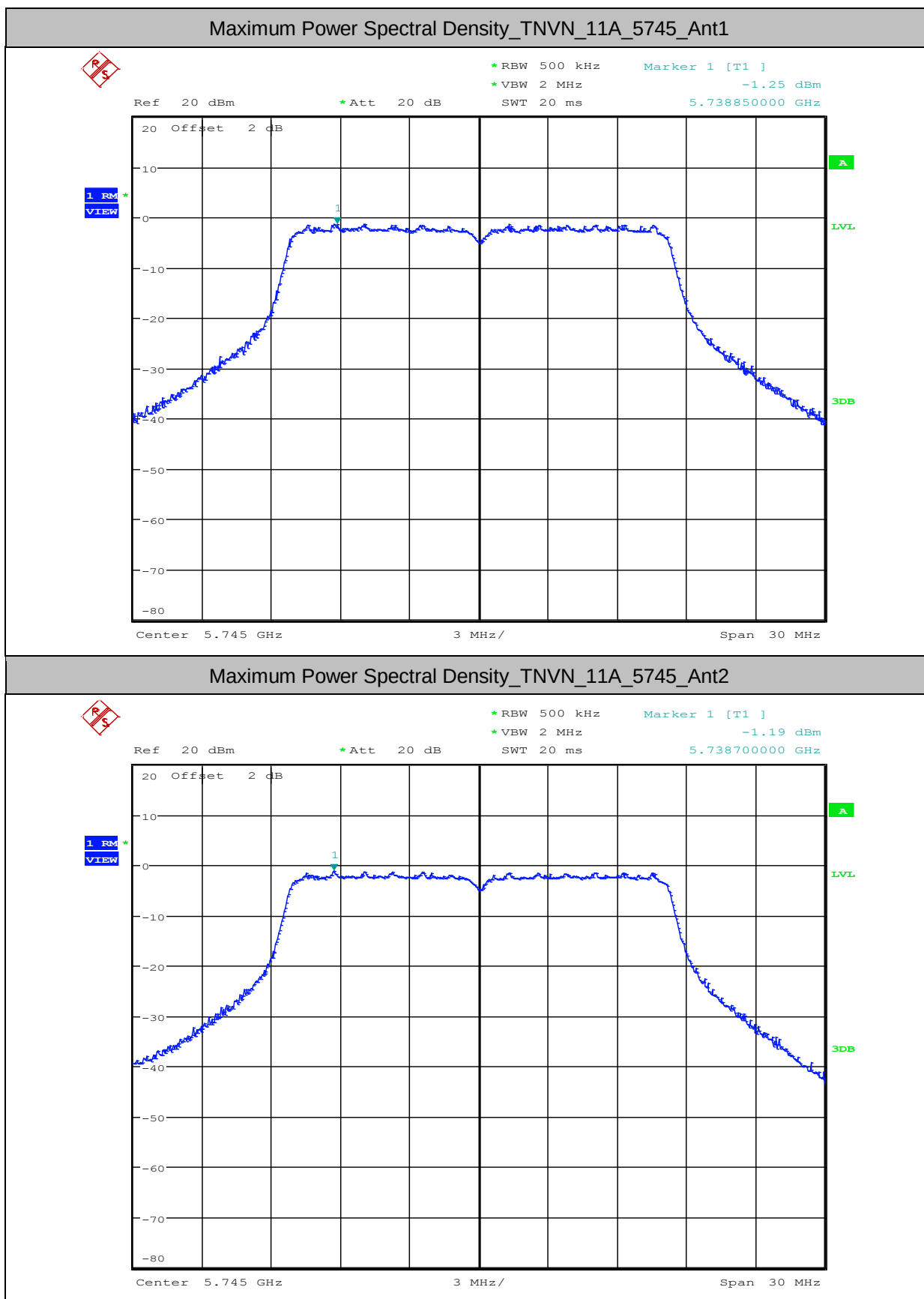
| 802.11ac 40 mode |                        |       |       |                  |        |
|------------------|------------------------|-------|-------|------------------|--------|
| Frequency (MHz)  | Power Spectral Density |       |       | Limit            | Result |
|                  | Ant.1                  | Ant.2 | Total |                  |        |
| 5190.00          | -2.28                  | -1.91 | 0.92  | 15.49 dBm/1MHz   | Pass   |
| 5230.00          | -2.24                  | -1.76 | 1.02  | 15.49 dBm/1MHz   | Pass   |
| 5755.00          | -3.68                  | -3.92 | -0.79 | 28.49 dBm/500kHz | Pass   |
| 5795.00          | -3.43                  | -3.23 | -0.32 | 28.49 dBm/500kHz | Pass   |

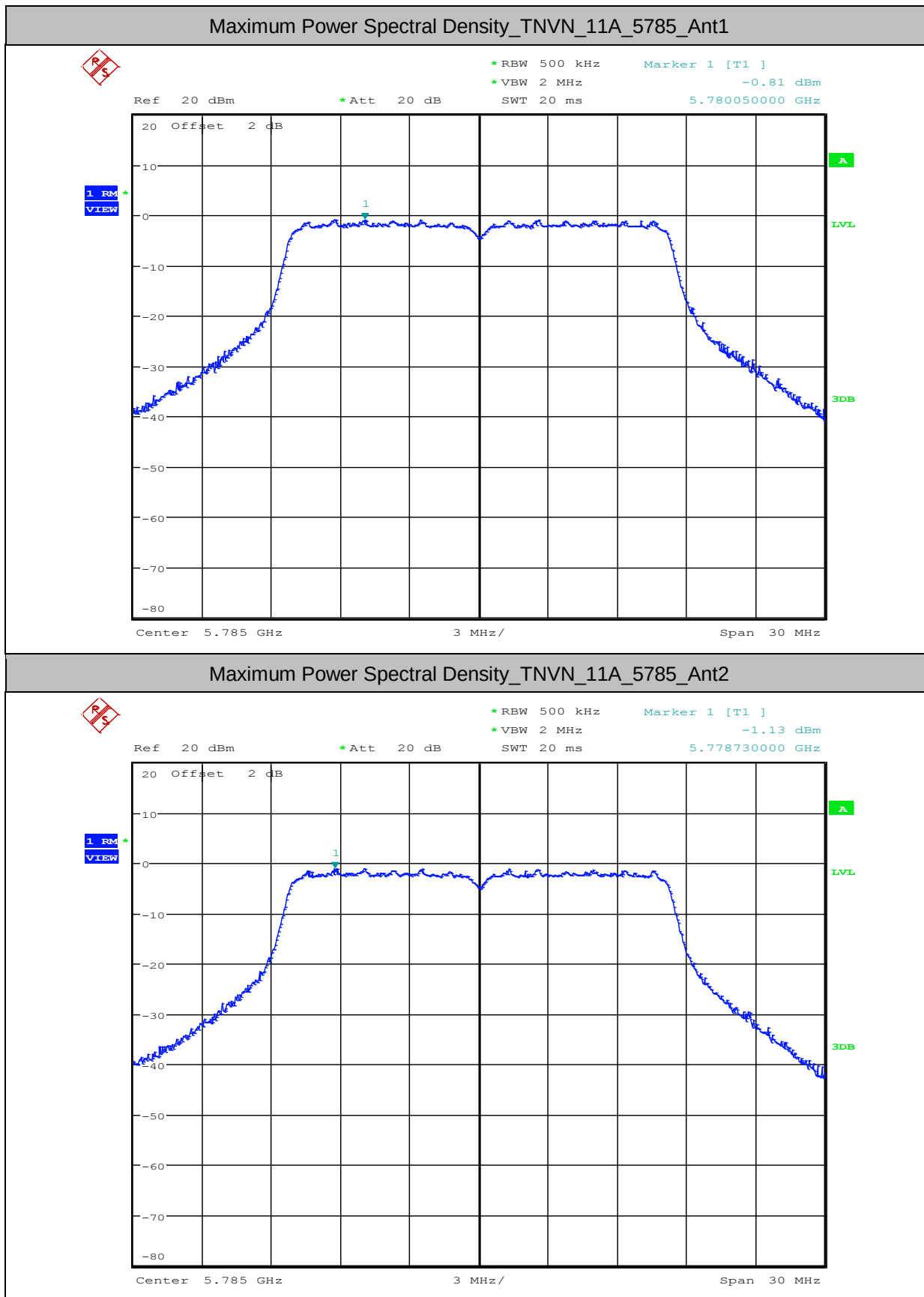
| 802.11ac 80 mode |                        |       |       |                  |        |
|------------------|------------------------|-------|-------|------------------|--------|
| Frequency (MHz)  | Power Spectral Density |       |       | Limit            | Result |
|                  | Ant.1                  | Ant.2 | Total |                  |        |
| 5210.00          | -3.72                  | -3.96 | -0.83 | 15.49 dBm/1MHz   | Pass   |
| 5775.00          | -6.41                  | -6.18 | -3.28 | 28.49 dBm/500kHz | Pass   |

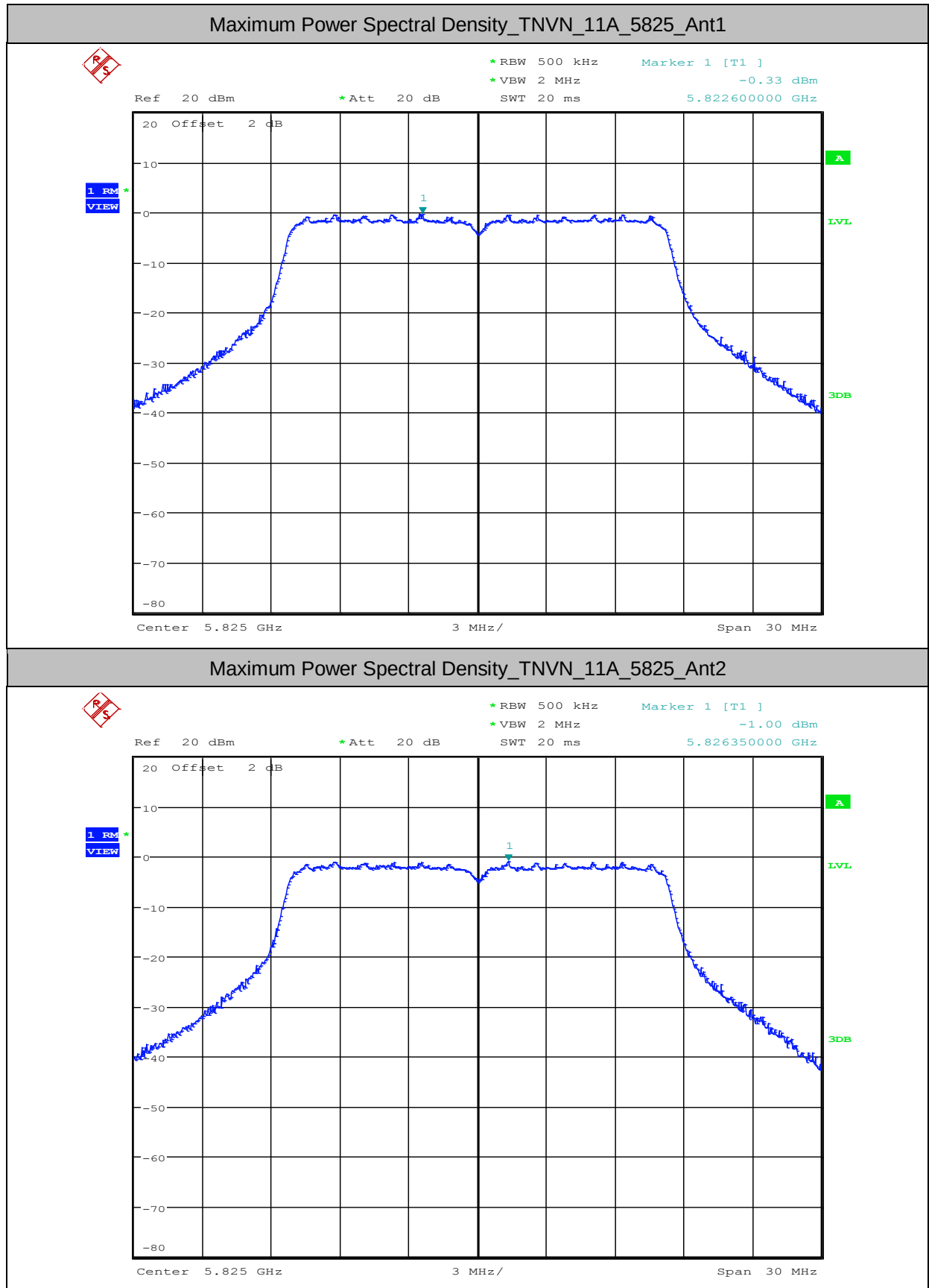


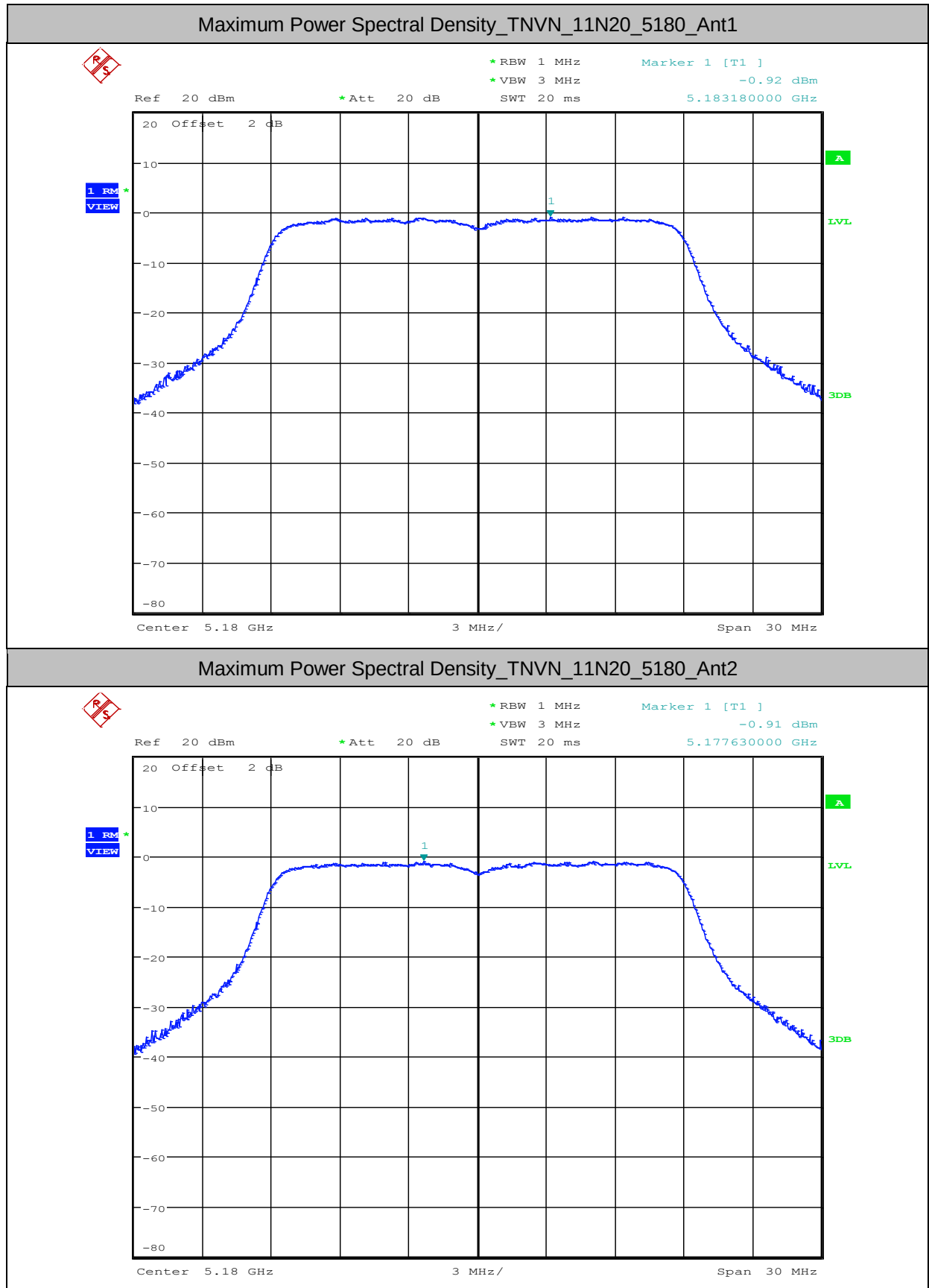


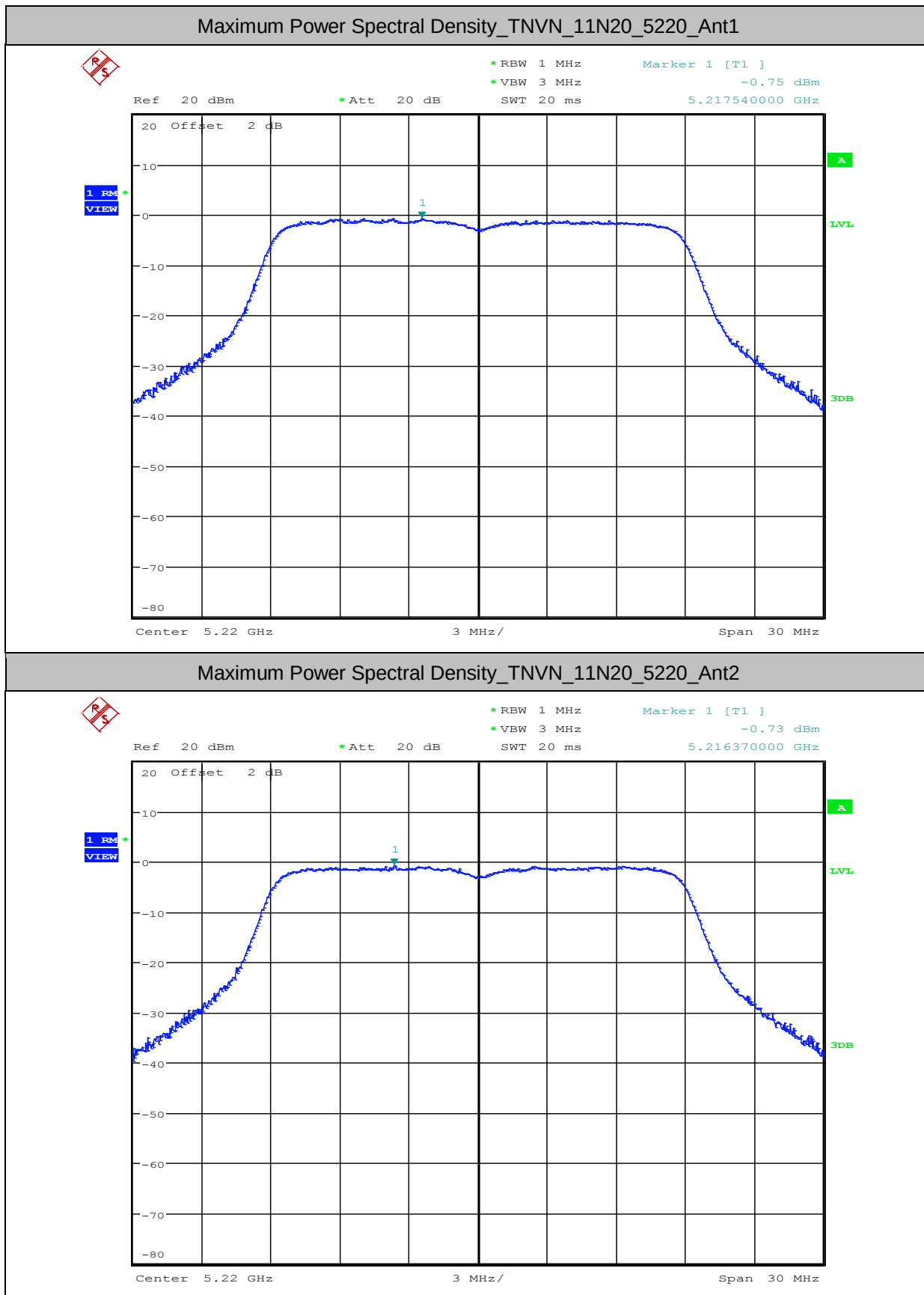


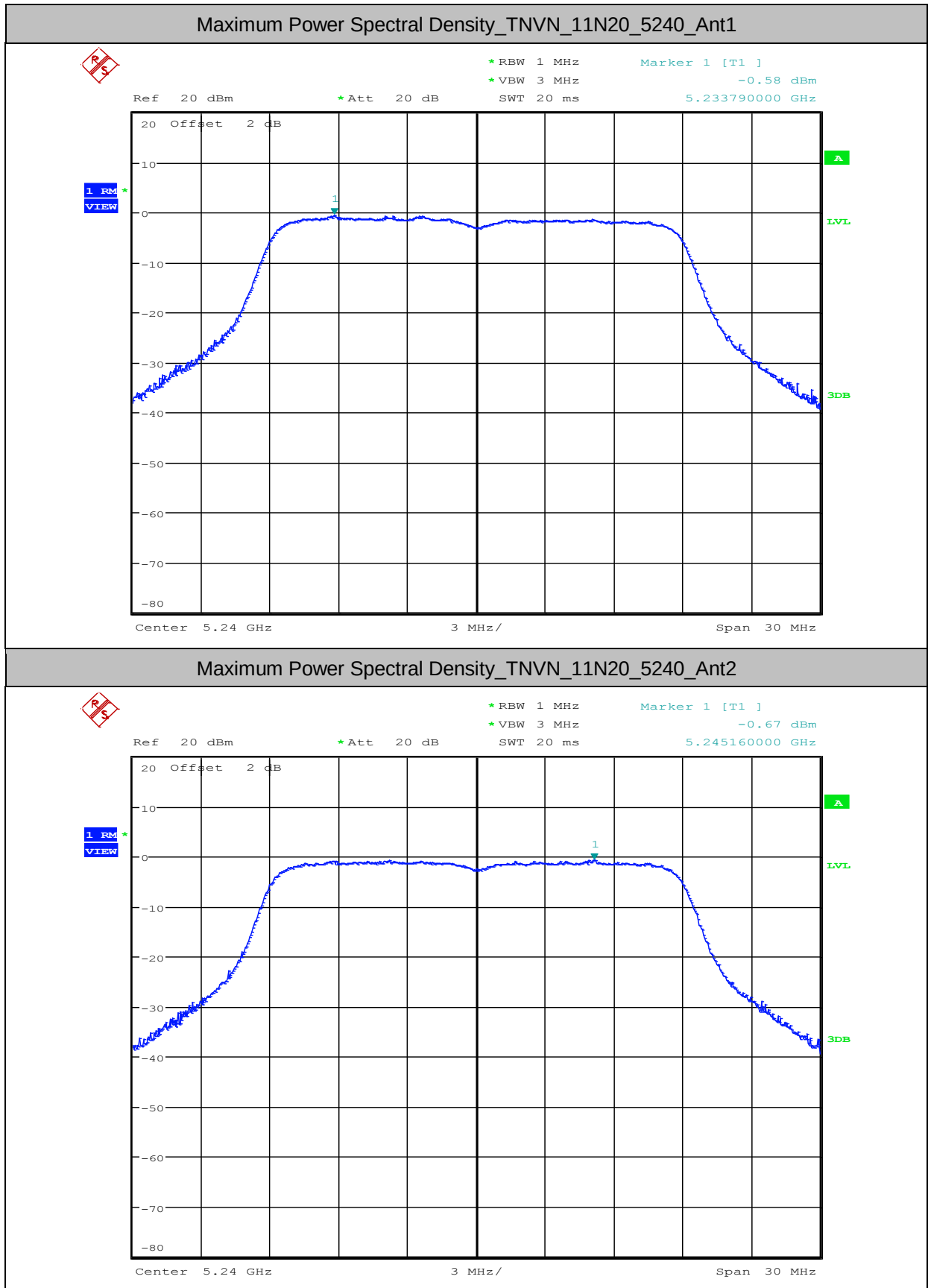


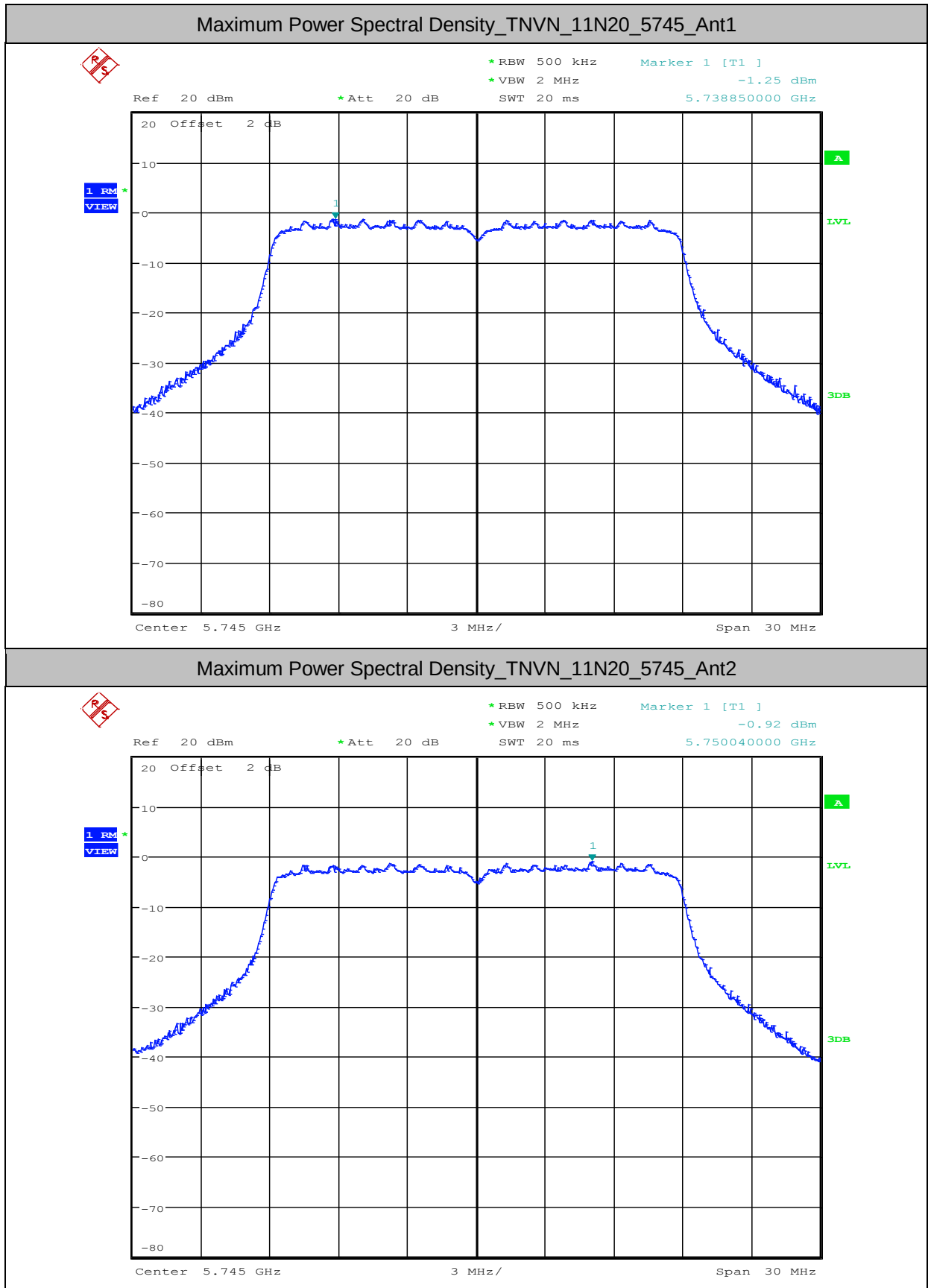


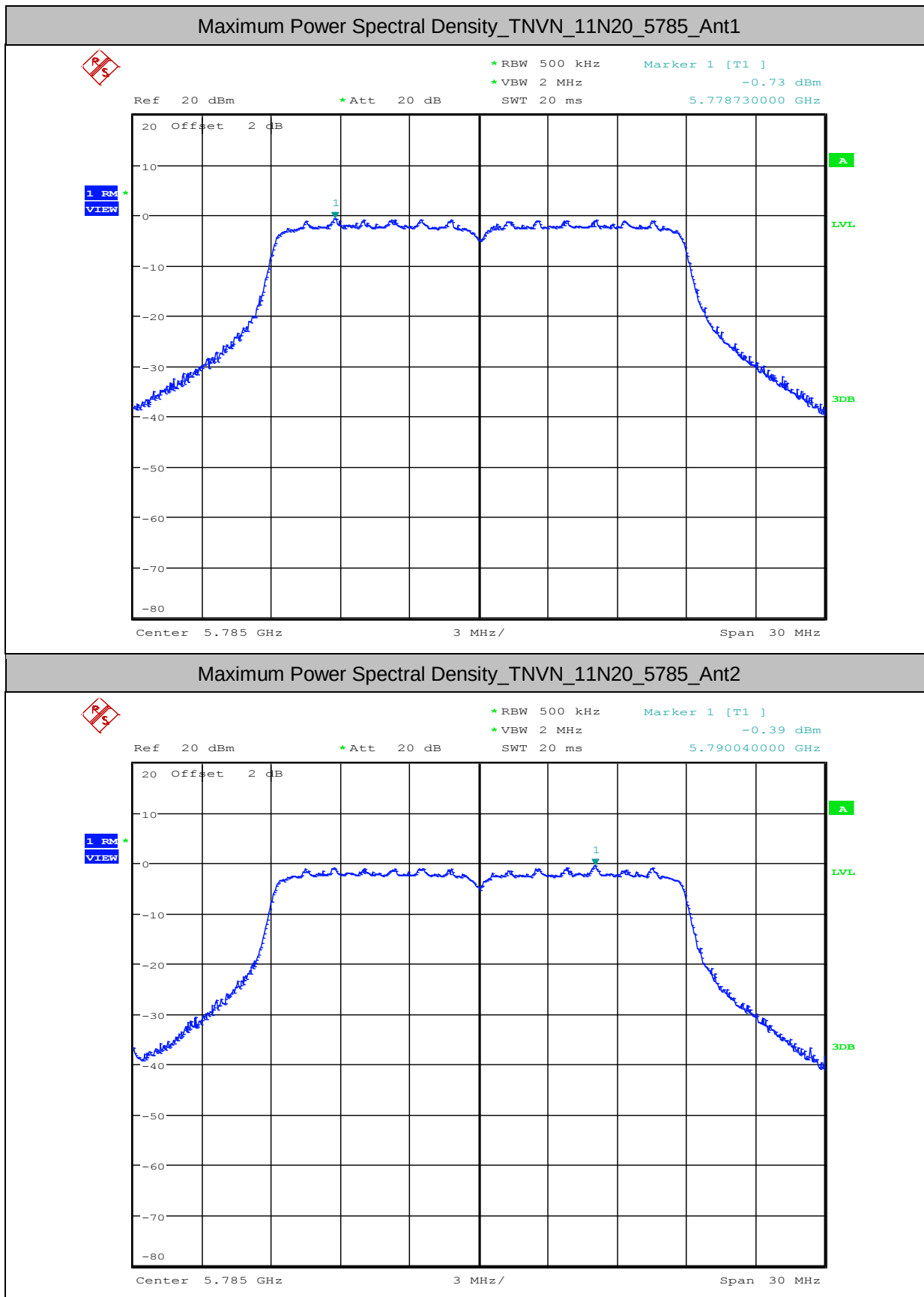


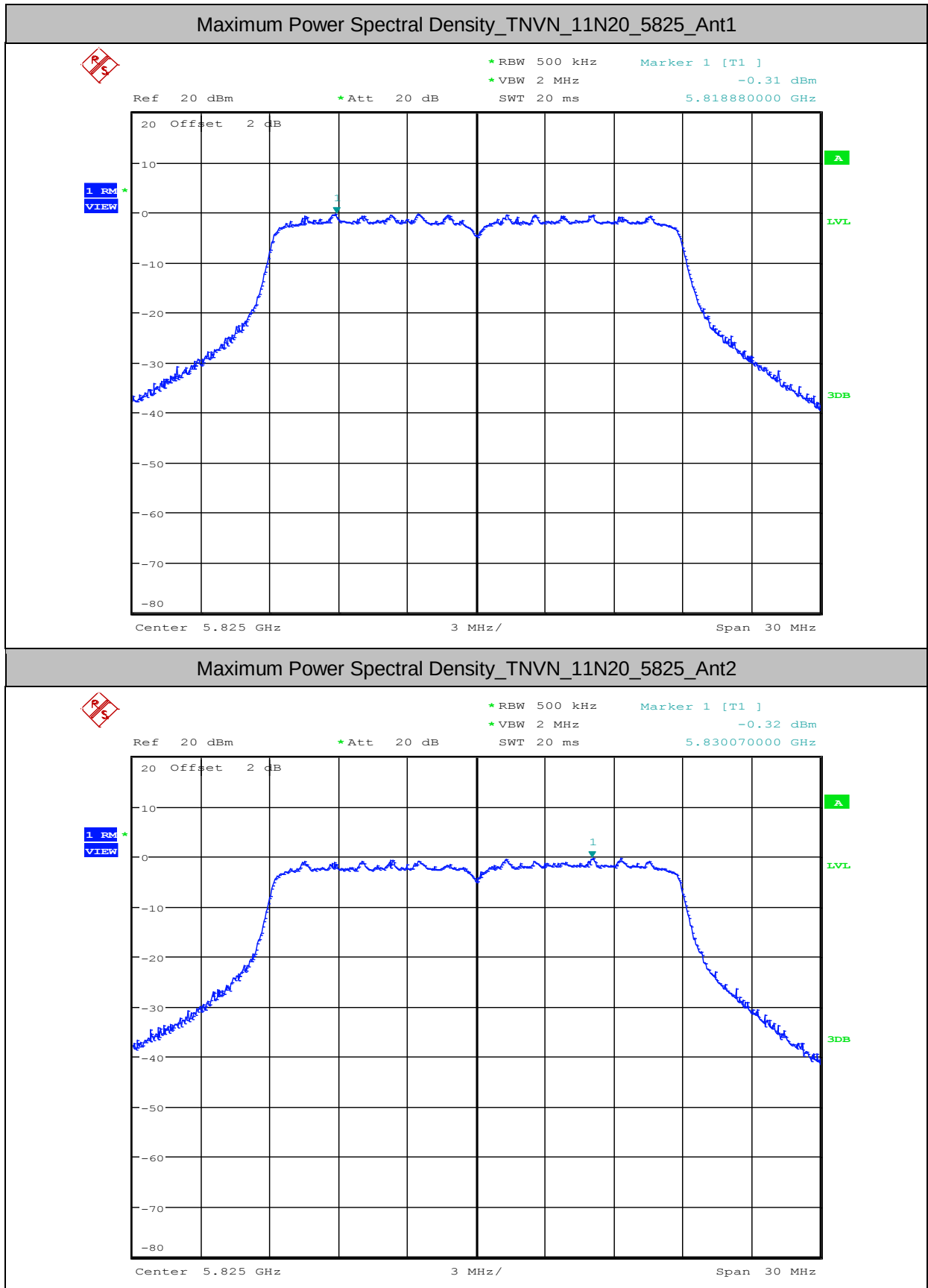


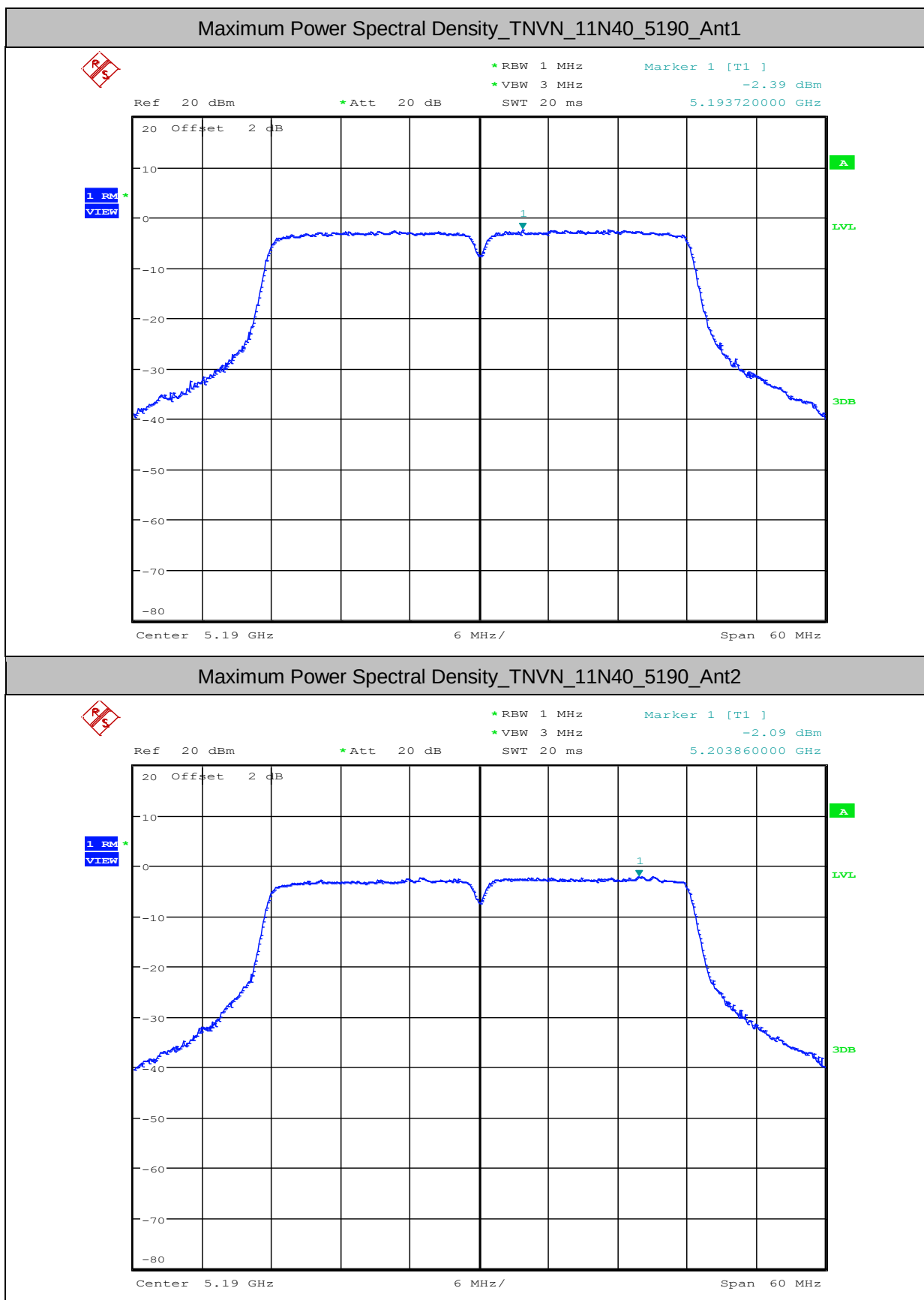


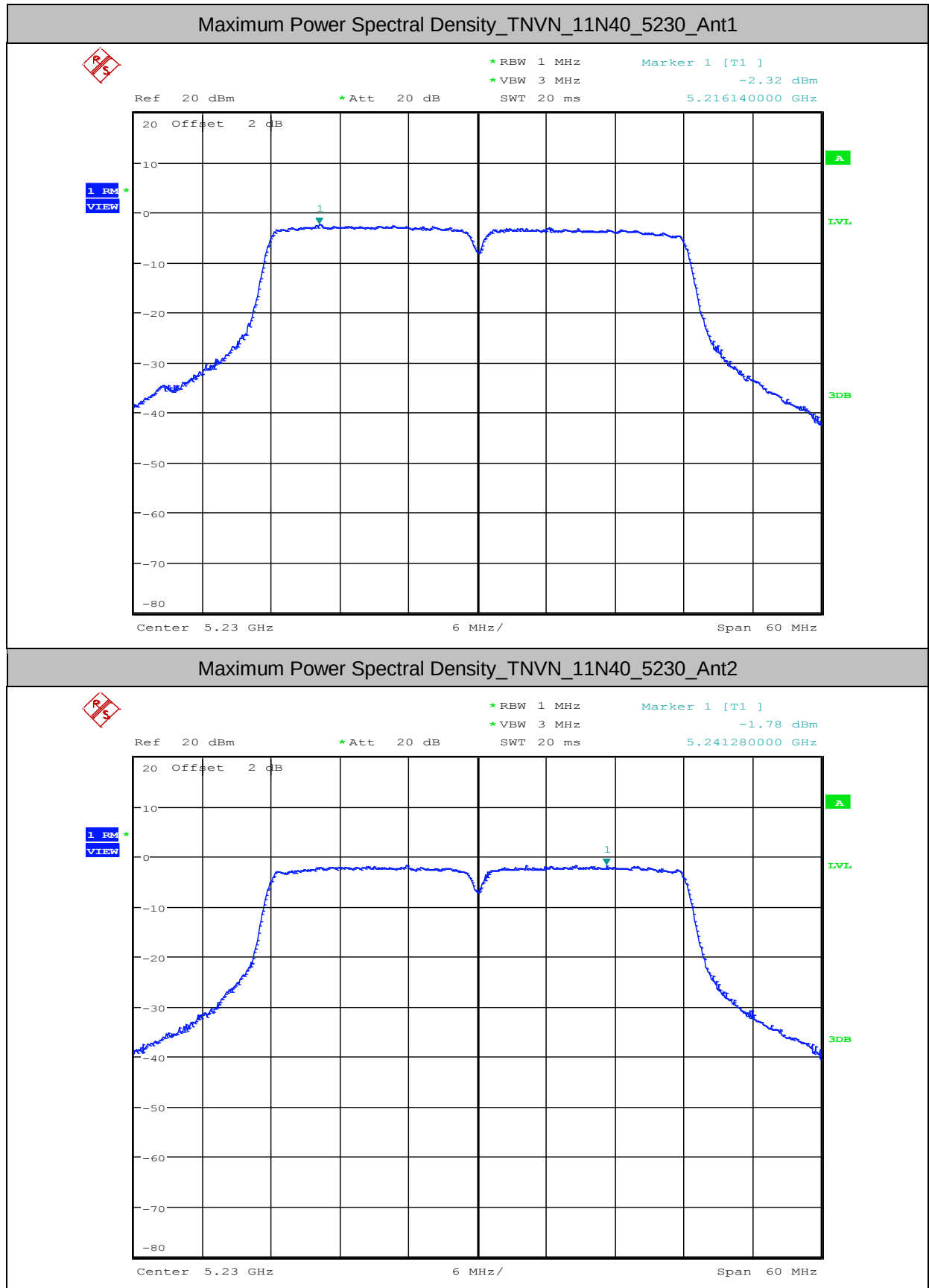


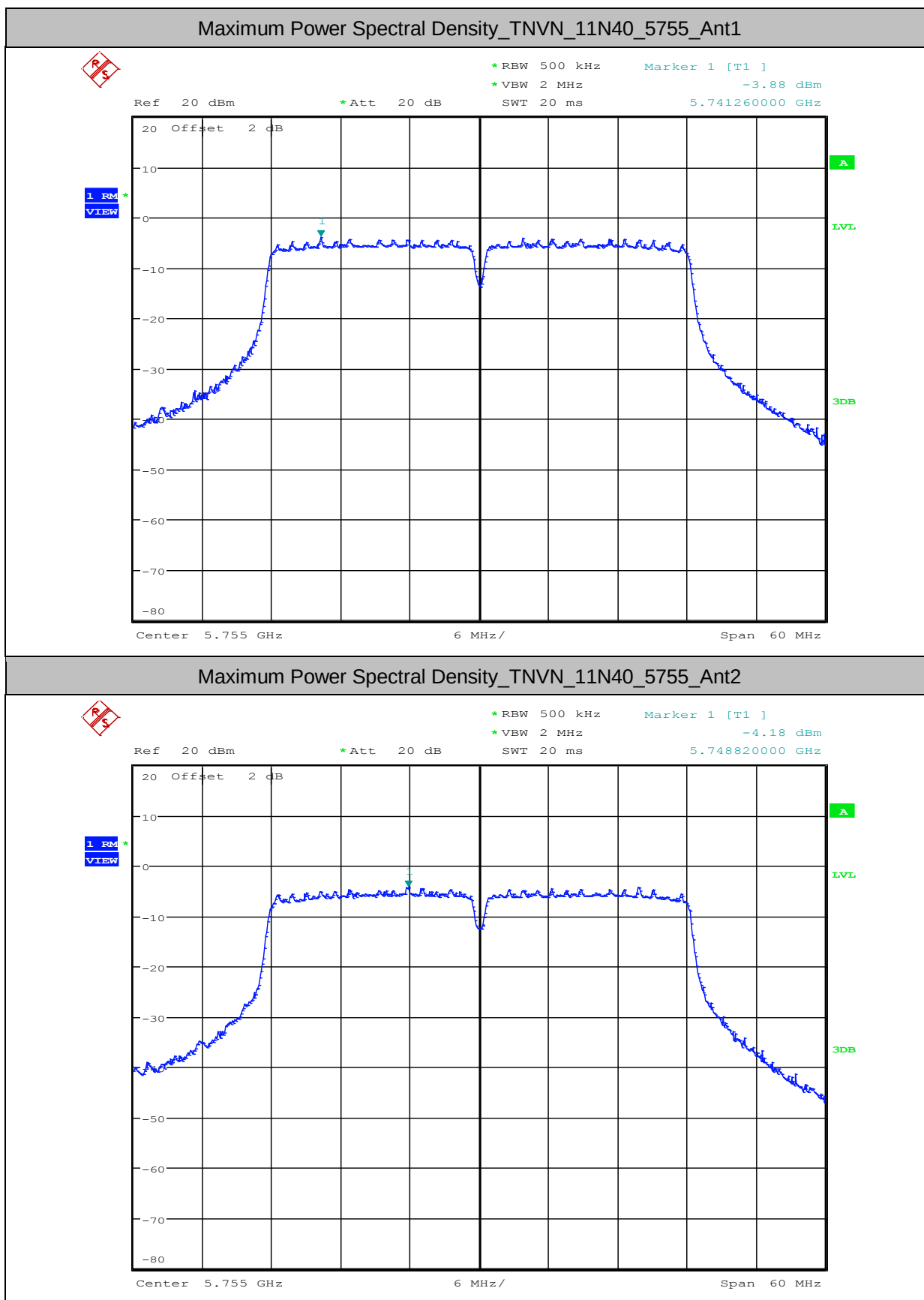


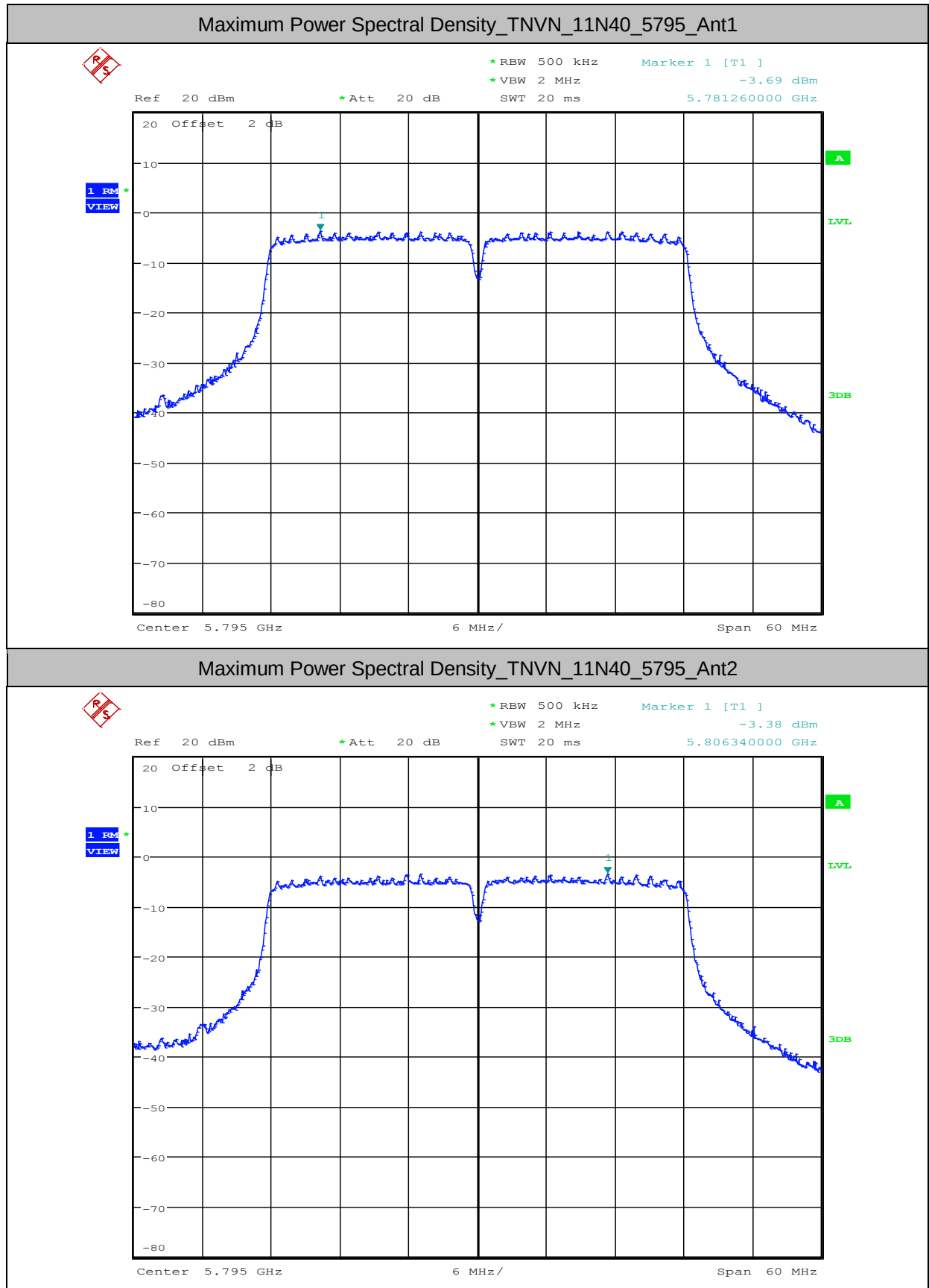


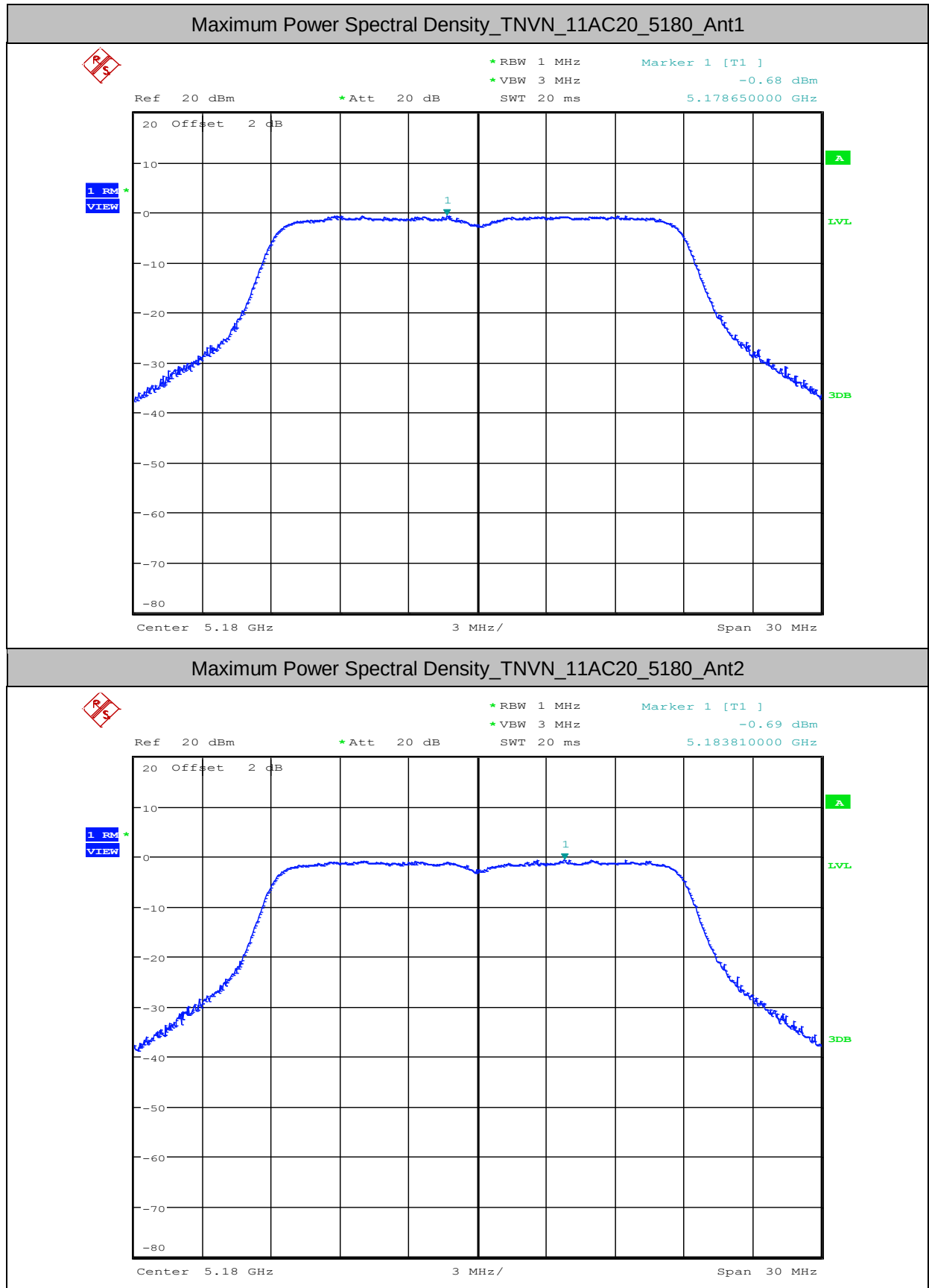


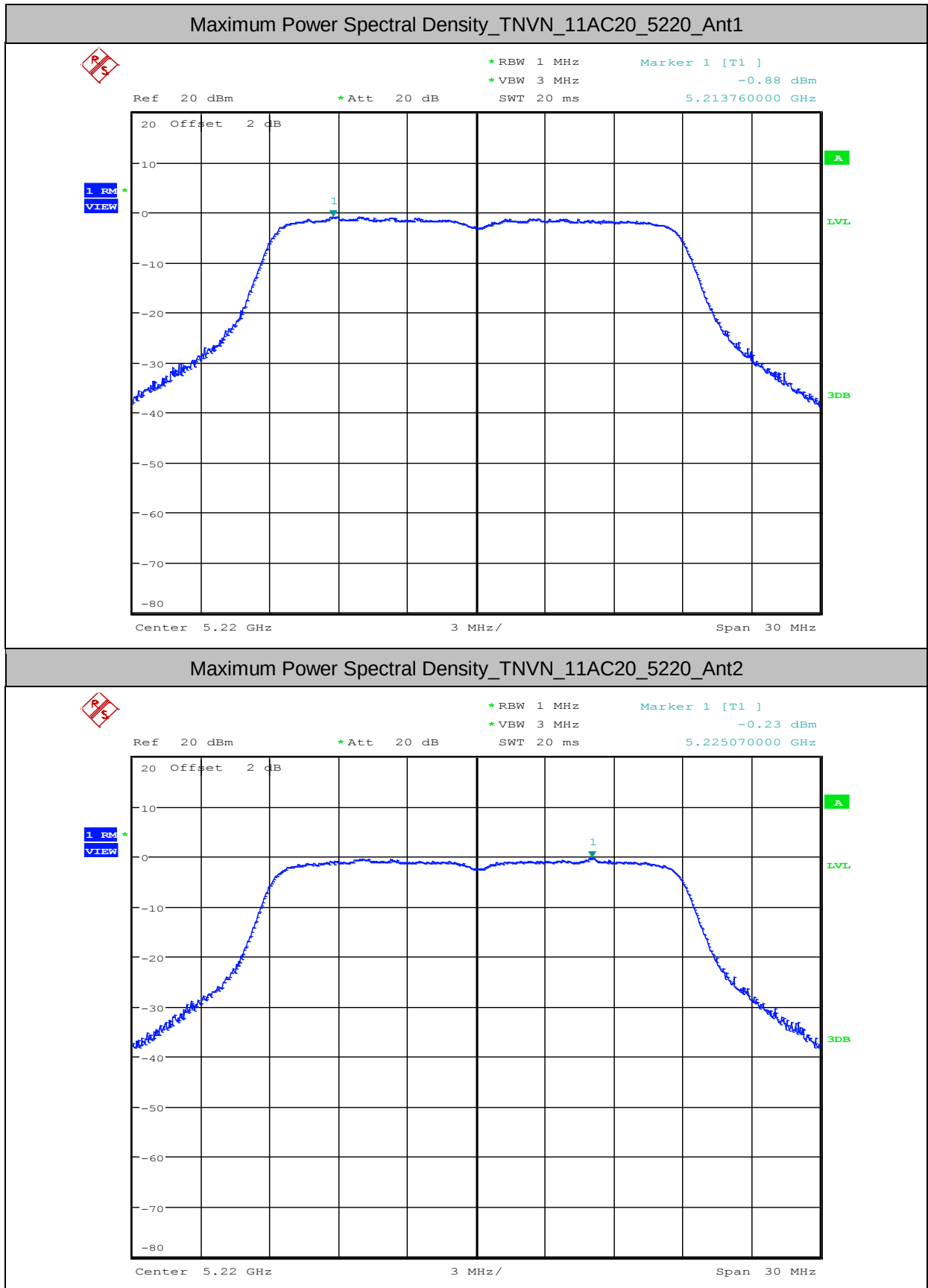


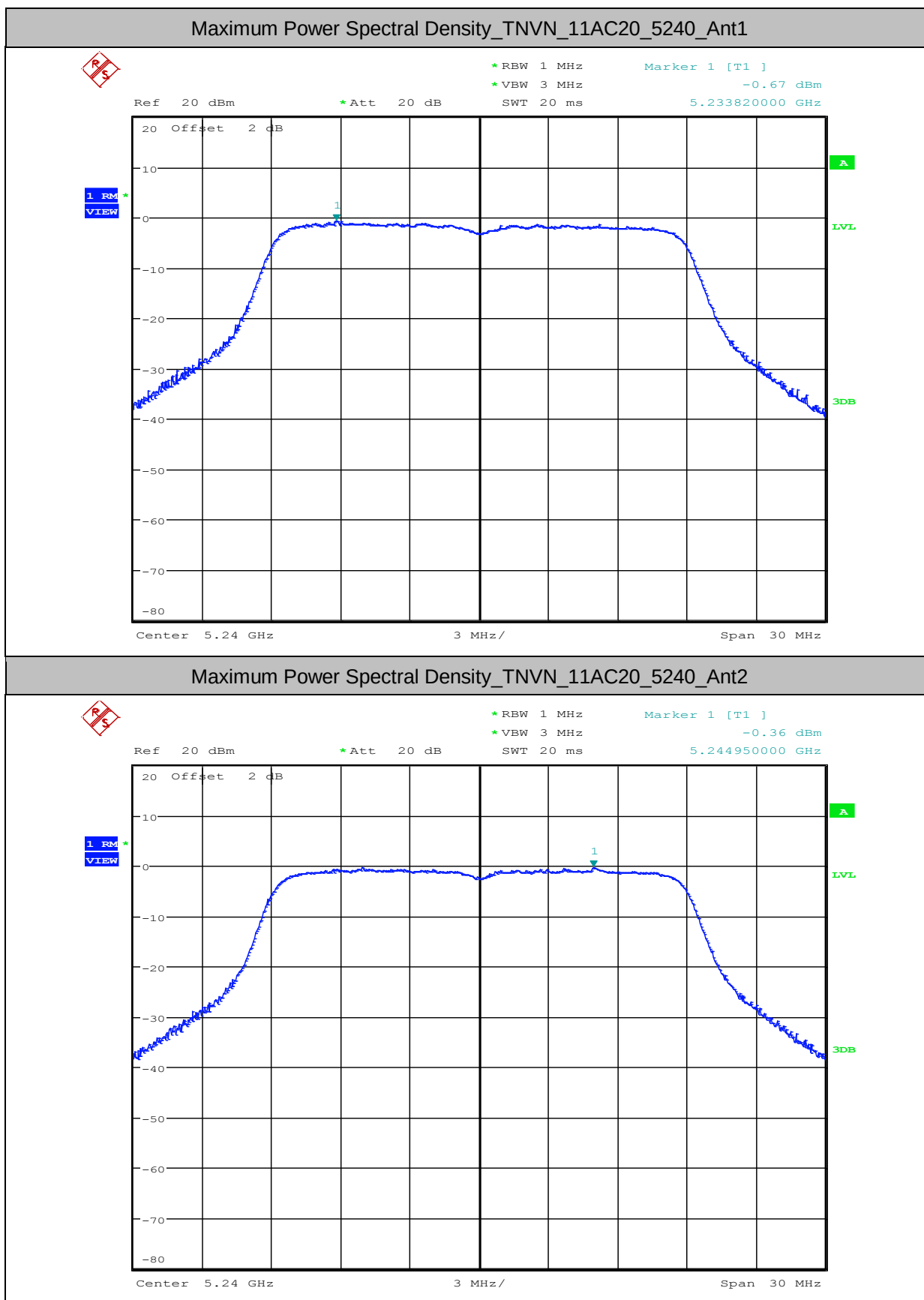


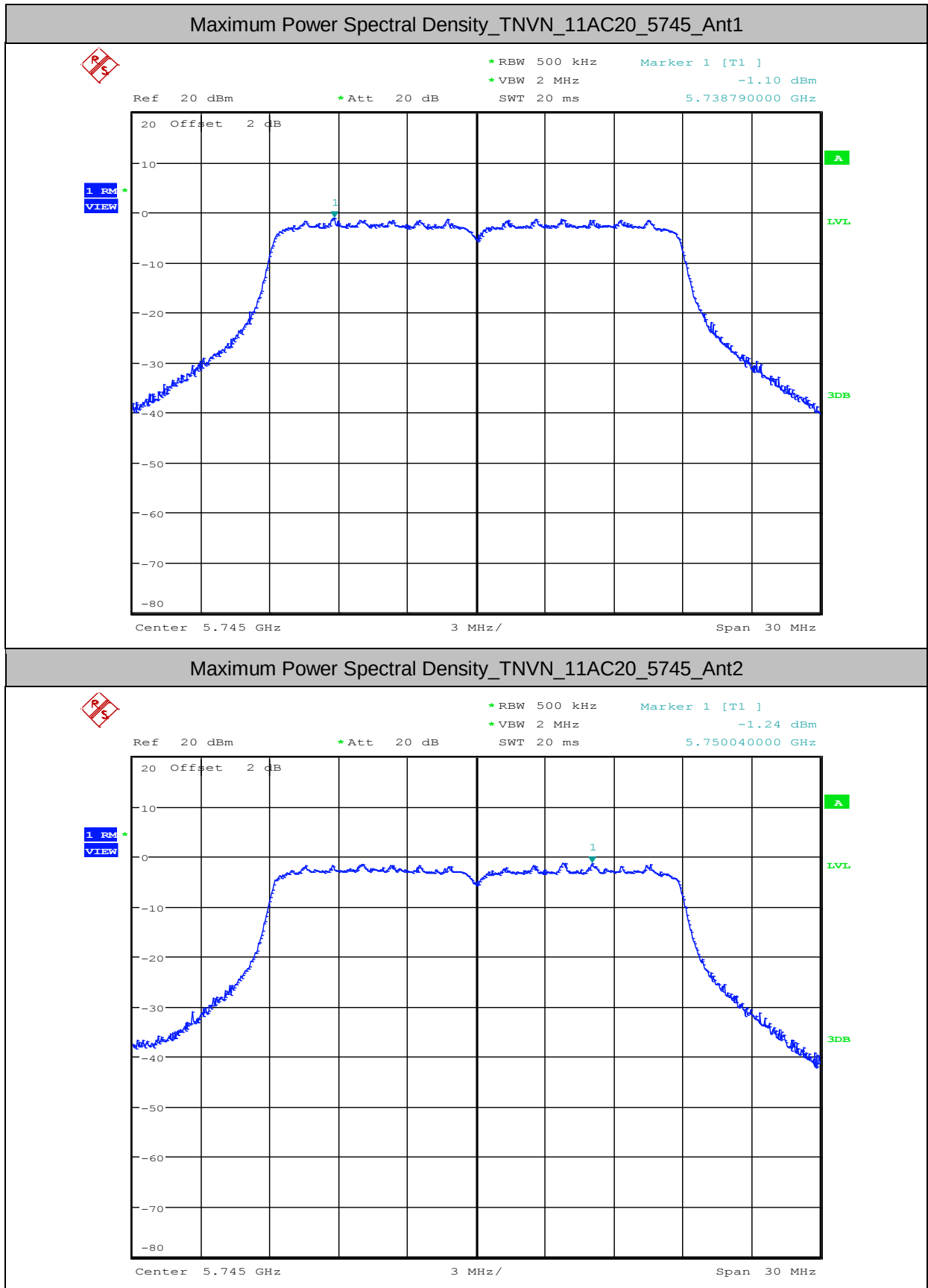


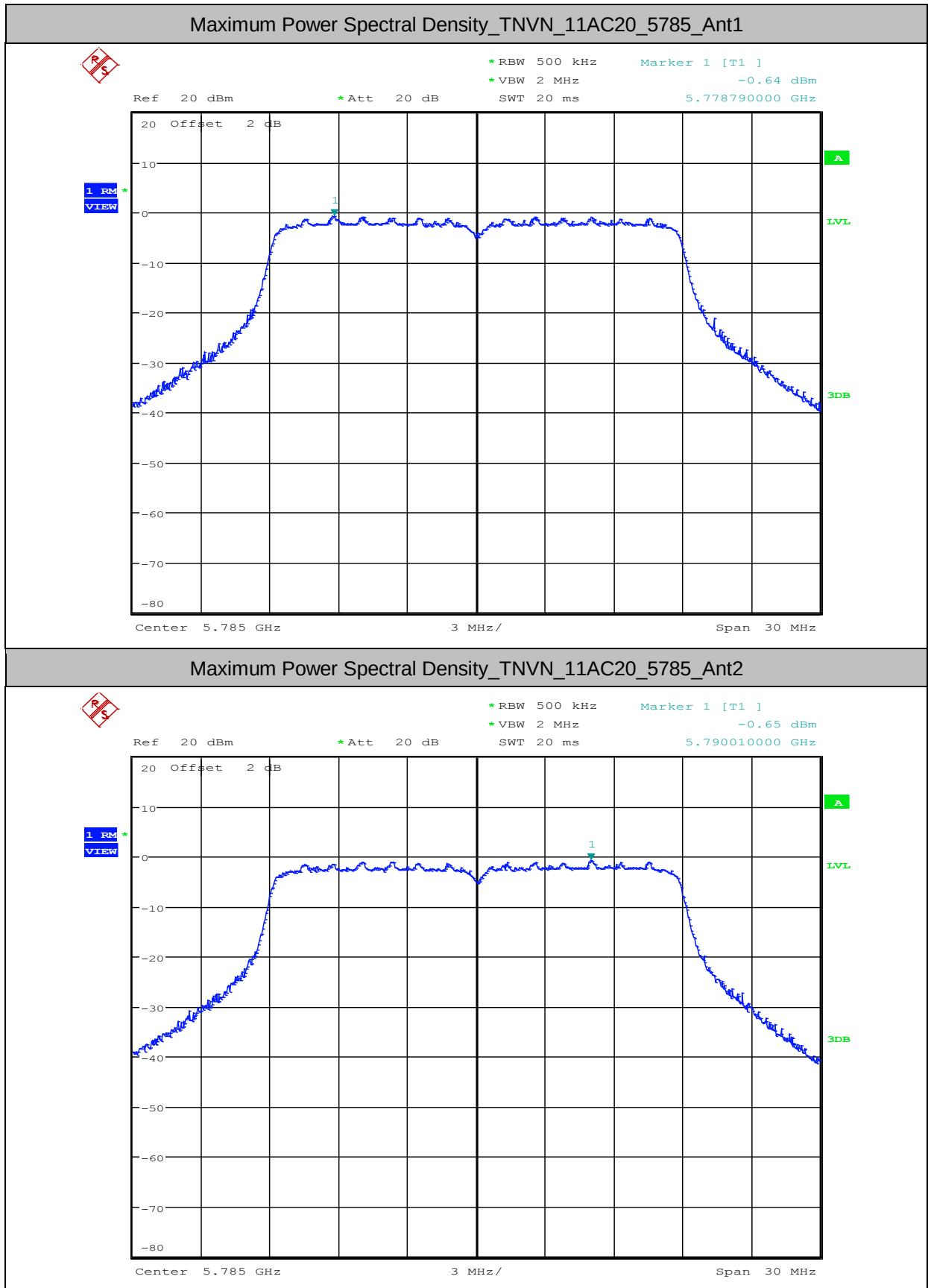


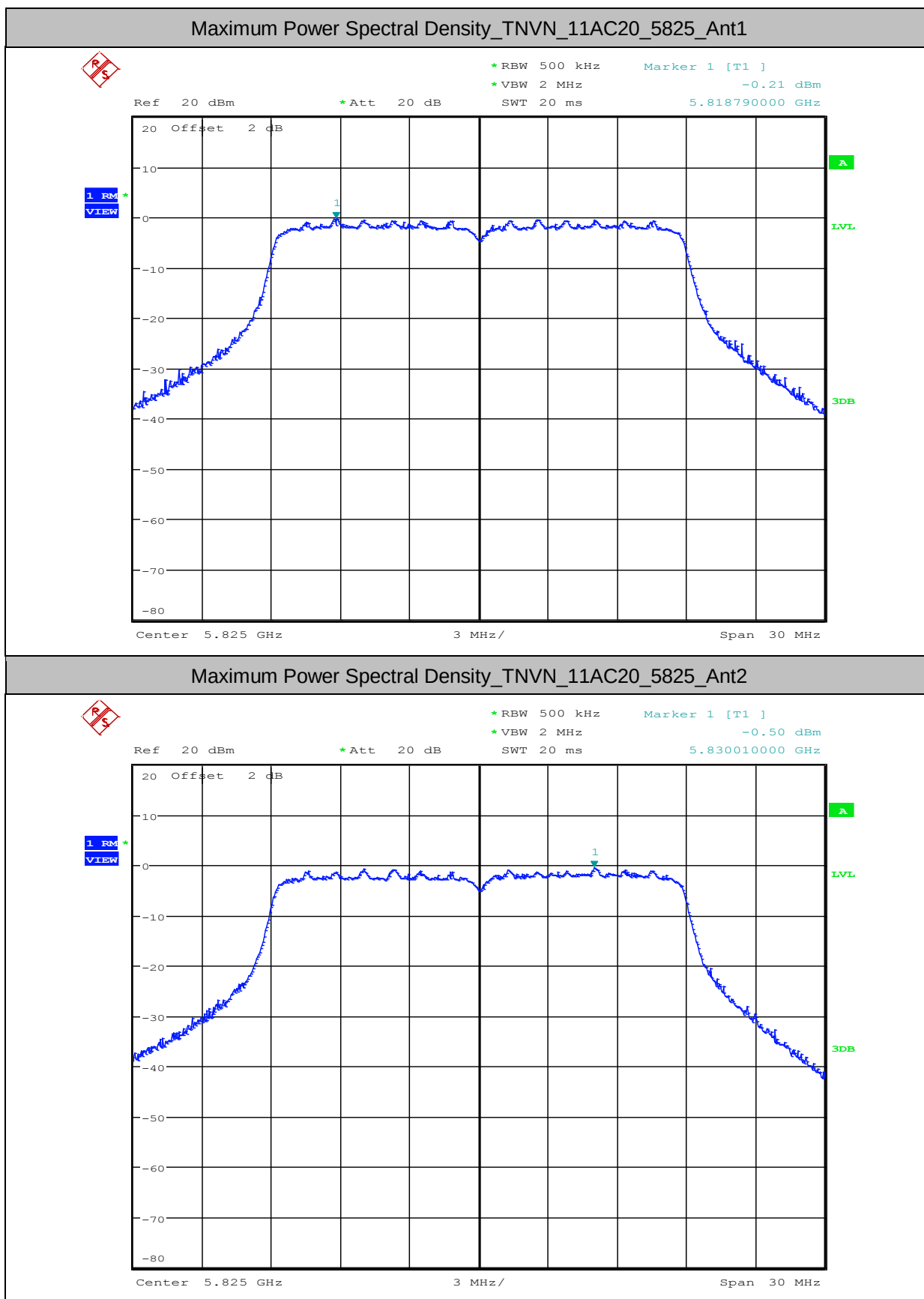


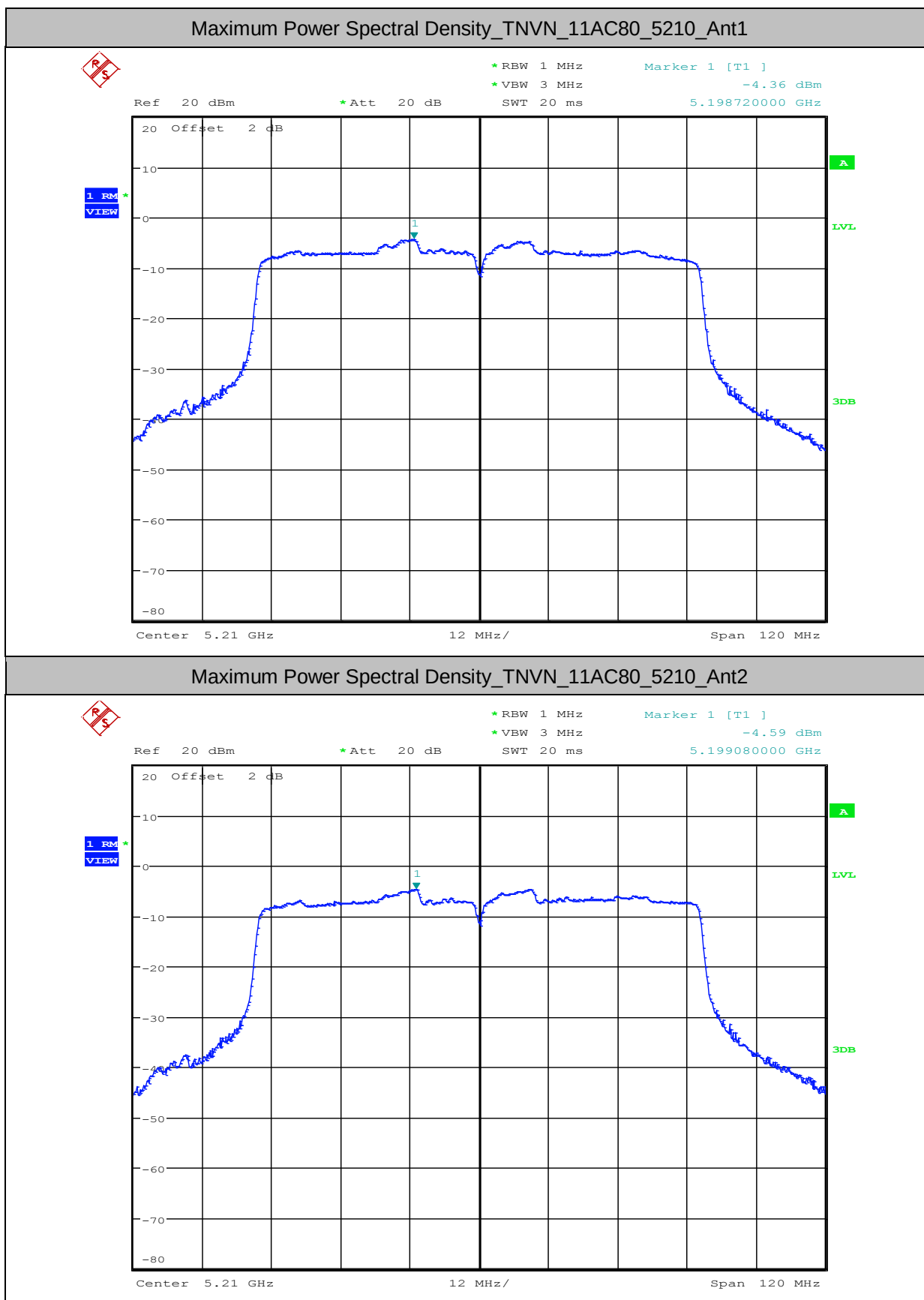


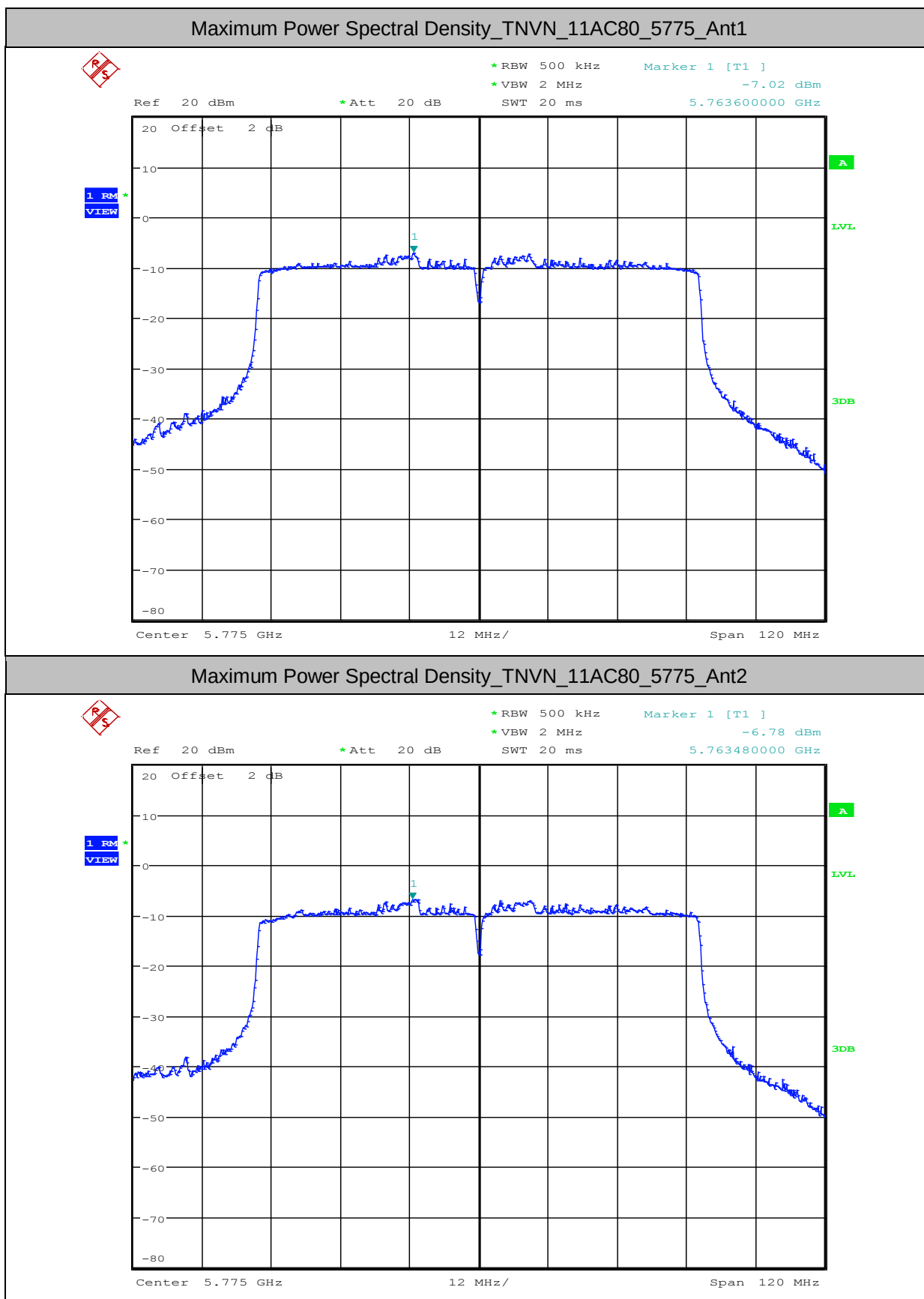


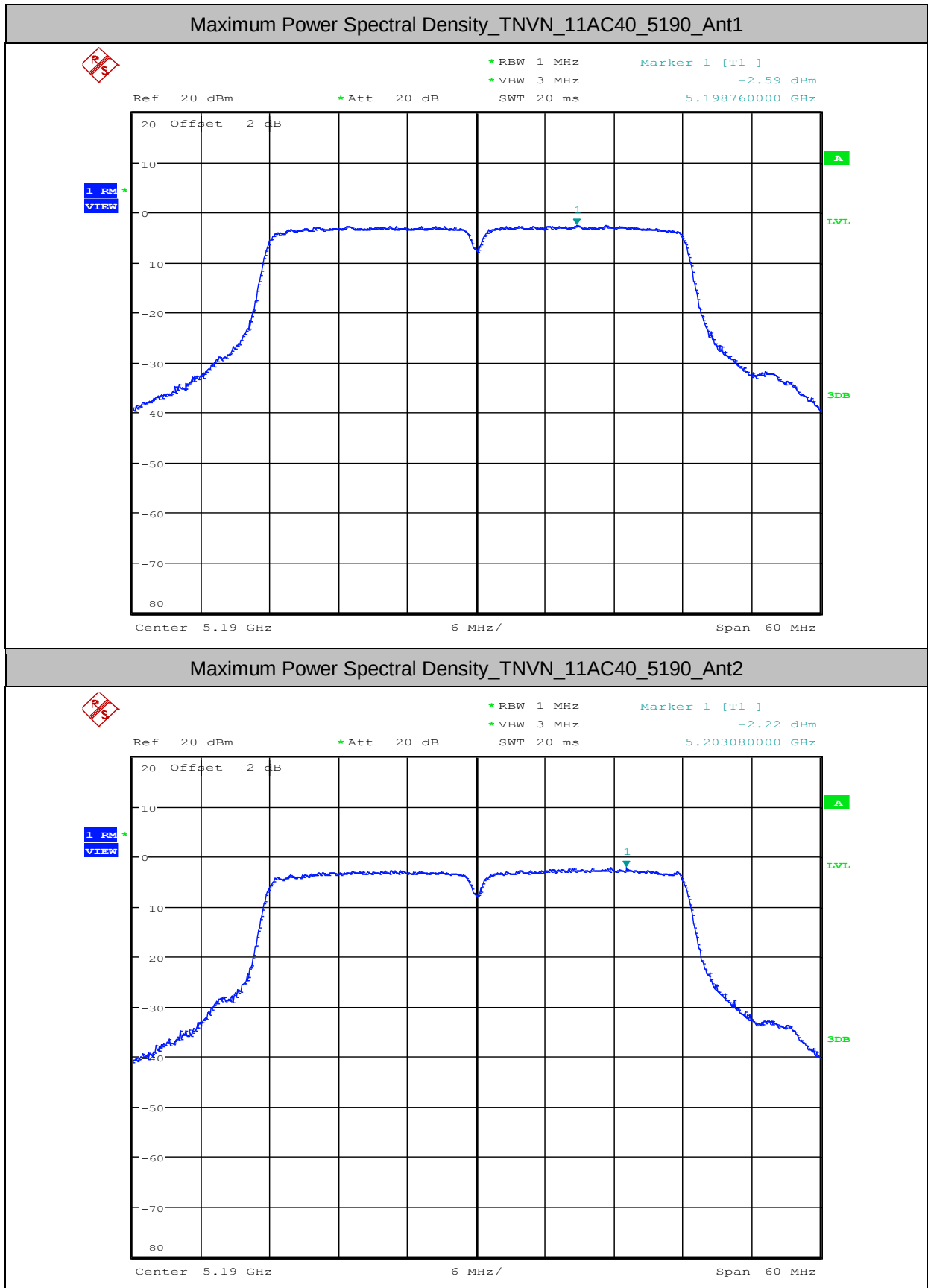


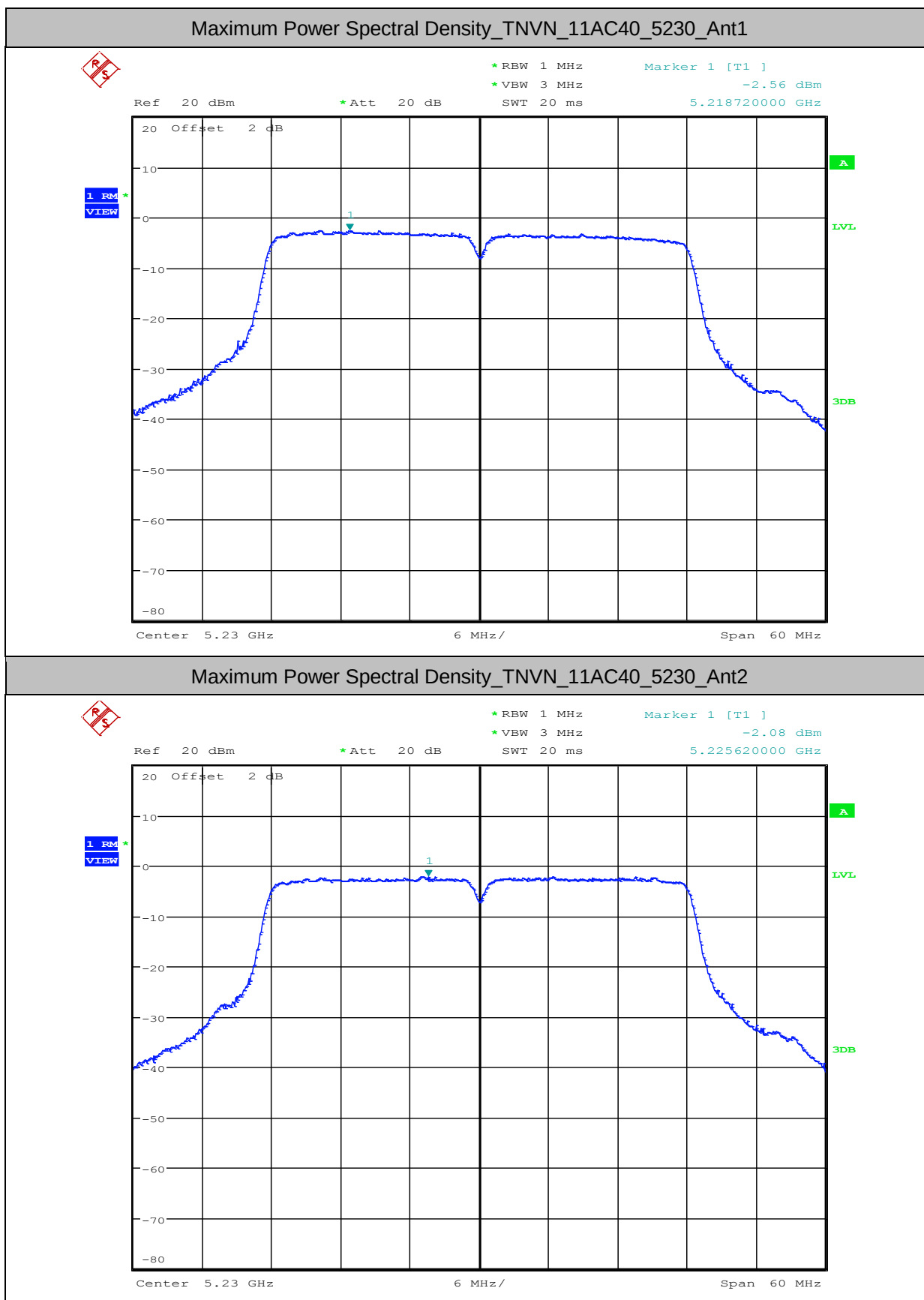




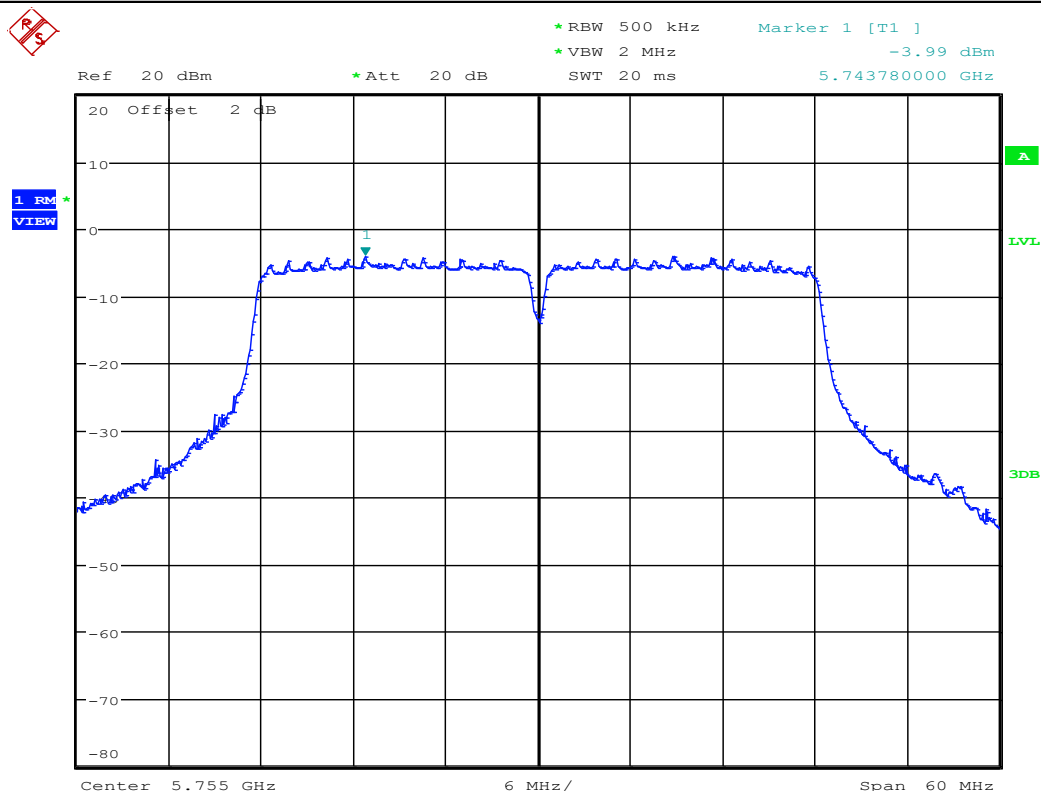




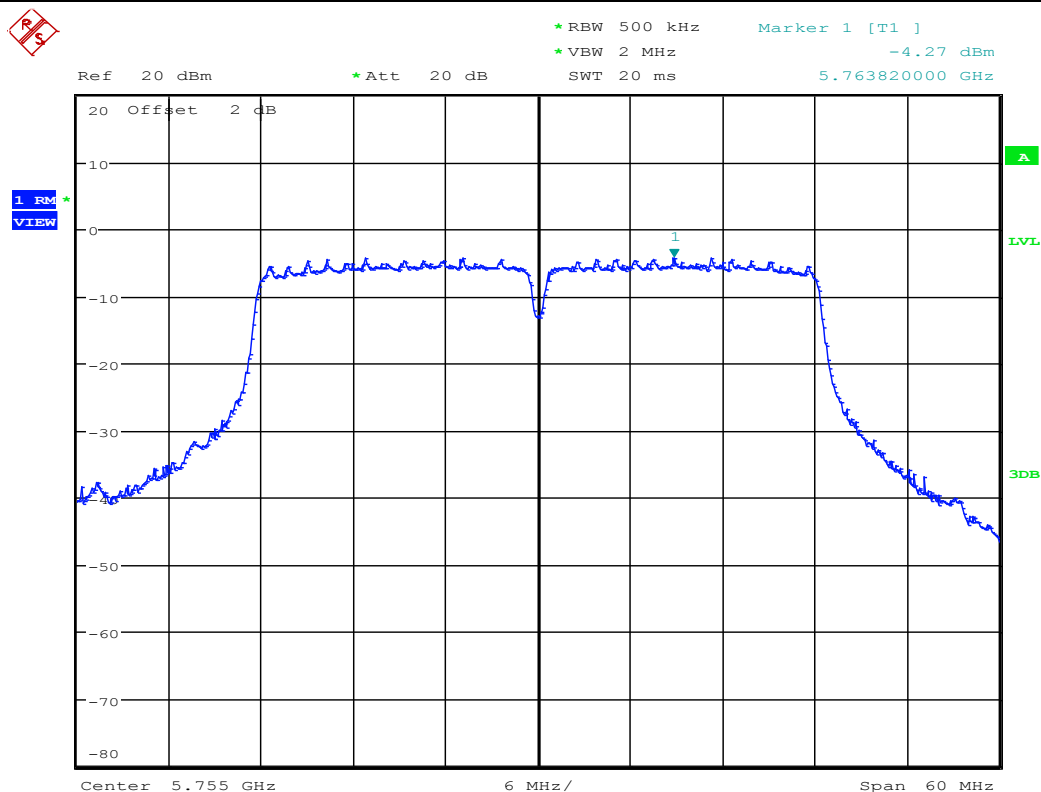




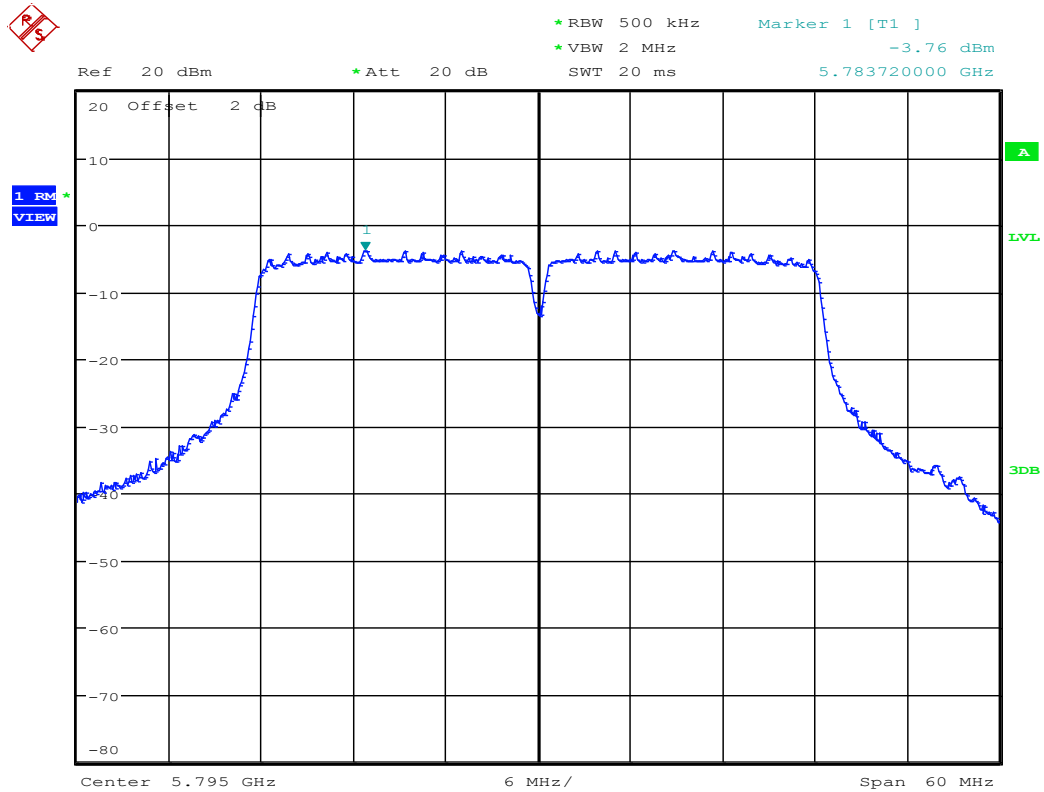
Maximum Power Spectral Density\_TNVN\_11AC40\_5755\_Ant1



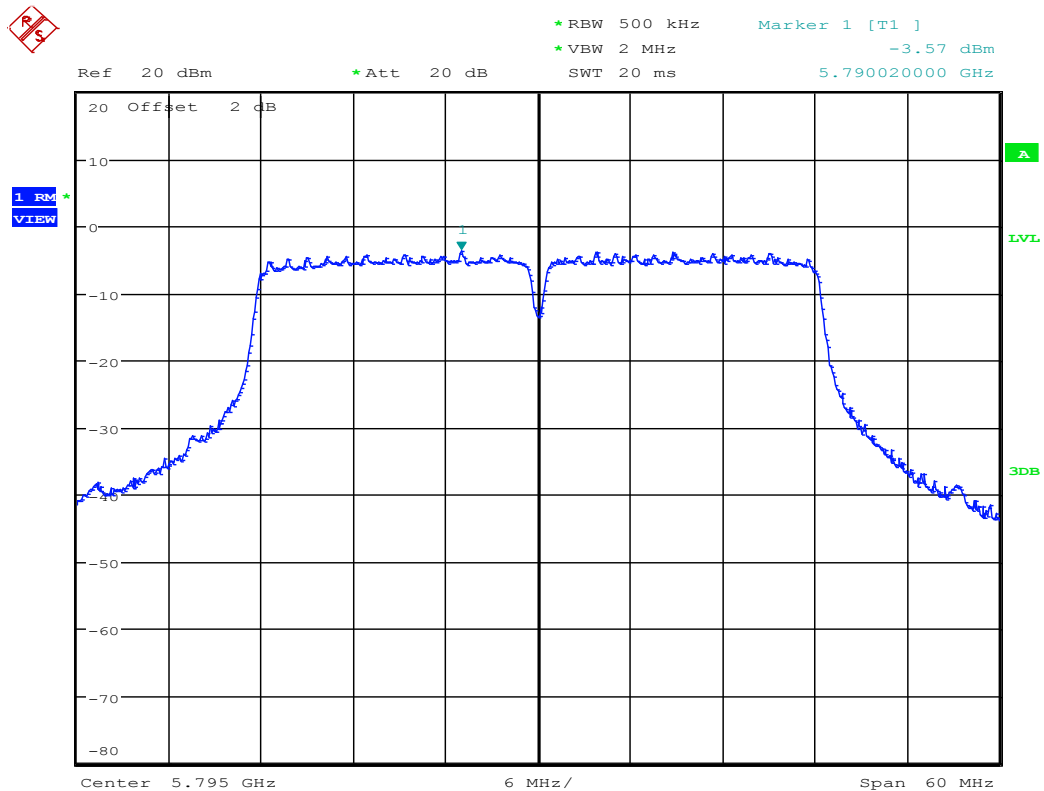
Maximum Power Spectral Density\_TNVN\_11AC40\_5755\_Ant2



Maximum Power Spectral Density\_TNVN\_11AC40\_5795\_Ant1



Maximum Power Spectral Density\_TNVN\_11AC40\_5795\_Ant2





5.Duty Cycle (x)

| Test Mode | Test Channel | Ant  | Duty Cycle[%] | 10log(1/x) Factor[dB] |
|-----------|--------------|------|---------------|-----------------------|
| 11A       | 5180         | Ant1 | 95.98         | 0.18                  |
| 11A       | 5180         | Ant2 | 95.98         | 0.18                  |
| 11A       | 5220         | Ant1 | 96.21         | 0.17                  |
| 11A       | 5220         | Ant2 | 96.21         | 0.17                  |
| 11A       | 5240         | Ant1 | 95.98         | 0.18                  |
| 11A       | 5240         | Ant2 | 96.21         | 0.17                  |
| 11A       | 5745         | Ant1 | 95.75         | 0.19                  |
| 11A       | 5745         | Ant2 | 95.99         | 0.18                  |
| 11A       | 5785         | Ant1 | 95.98         | 0.18                  |
| 11A       | 5785         | Ant2 | 95.98         | 0.18                  |
| 11A       | 5825         | Ant1 | 95.98         | 0.18                  |
| 11A       | 5825         | Ant2 | 95.98         | 0.18                  |
| 11N20     | 5180         | Ant1 | 94.97         | 0.22                  |
| 11N20     | 5180         | Ant2 | 93.33         | 0.3                   |
| 11N20     | 5220         | Ant1 | 93.1          | 0.31                  |
| 11N20     | 5220         | Ant2 | 92.86         | 0.32                  |
| 11N20     | 5240         | Ant1 | 93.1          | 0.31                  |
| 11N20     | 5240         | Ant2 | 93.1          | 0.31                  |
| 11N20     | 5745         | Ant1 | 94.74         | 0.23                  |
| 11N20     | 5745         | Ant2 | 94.74         | 0.23                  |
| 11N20     | 5785         | Ant1 | 93.1          | 0.31                  |
| 11N20     | 5785         | Ant2 | 93.1          | 0.31                  |
| 11N20     | 5825         | Ant1 | 93.33         | 0.3                   |
| 11N20     | 5825         | Ant2 | 93.1          | 0.31                  |
| 11N40     | 5190         | Ant1 | 92.8          | 0.32                  |
| 11N40     | 5190         | Ant2 | 92.42         | 0.34                  |
| 11N40     | 5230         | Ant1 | 91.85         | 0.37                  |
| 11N40     | 5230         | Ant2 | 92.8          | 0.32                  |
| 11N40     | 5755         | Ant1 | 92.05         | 0.36                  |
| 11N40     | 5755         | Ant2 | 92.8          | 0.32                  |
| 11N40     | 5795         | Ant1 | 93.16         | 0.31                  |



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**Shenzhen Branch**

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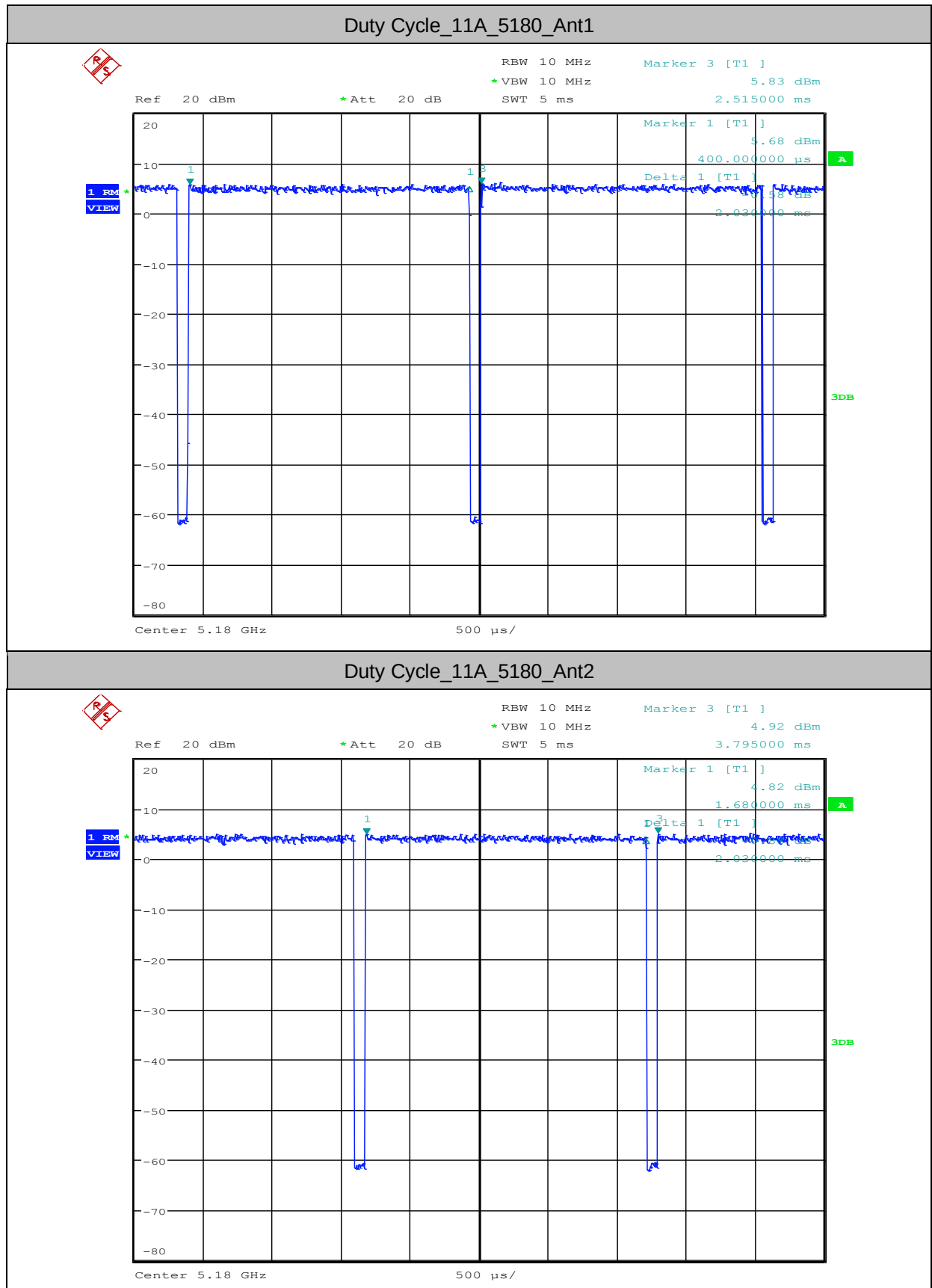
|        |      |      |       |      |
|--------|------|------|-------|------|
| 11N40  | 5795 | Ant2 | 91.32 | 0.39 |
| 11AC20 | 5180 | Ant1 | 93.84 | 0.28 |
| 11AC20 | 5180 | Ant2 | 93.6  | 0.29 |
| 11AC20 | 5220 | Ant1 | 94.29 | 0.26 |
| 11AC20 | 5220 | Ant2 | 93.6  | 0.29 |
| 11AC20 | 5240 | Ant1 | 93.84 | 0.28 |
| 11AC20 | 5240 | Ant2 | 95.24 | 0.21 |
| 11AC20 | 5745 | Ant1 | 95.24 | 0.21 |
| 11AC20 | 5745 | Ant2 | 93.84 | 0.28 |
| 11AC20 | 5785 | Ant1 | 92.48 | 0.34 |
| 11AC20 | 5785 | Ant2 | 93.83 | 0.28 |
| 11AC20 | 5825 | Ant1 | 95.24 | 0.21 |
| 11AC20 | 5825 | Ant2 | 95.24 | 0.21 |
| 11AC80 | 5210 | Ant1 | 86.34 | 0.64 |
| 11AC80 | 5210 | Ant2 | 86.48 | 0.63 |
| 11AC80 | 5775 | Ant1 | 86.95 | 0.61 |
| 11AC80 | 5775 | Ant2 | 87    | 0.6  |
| 11AC40 | 5190 | Ant1 | 93.03 | 0.31 |
| 11AC40 | 5190 | Ant2 | 93.01 | 0.31 |
| 11AC40 | 5230 | Ant1 | 92.83 | 0.32 |
| 11AC40 | 5230 | Ant2 | 92.83 | 0.32 |
| 11AC40 | 5755 | Ant1 | 93.21 | 0.31 |
| 11AC40 | 5755 | Ant2 | 92.29 | 0.35 |
| 11AC40 | 5795 | Ant1 | 92.66 | 0.33 |
| 11AC40 | 5795 | Ant2 | 92.48 | 0.34 |

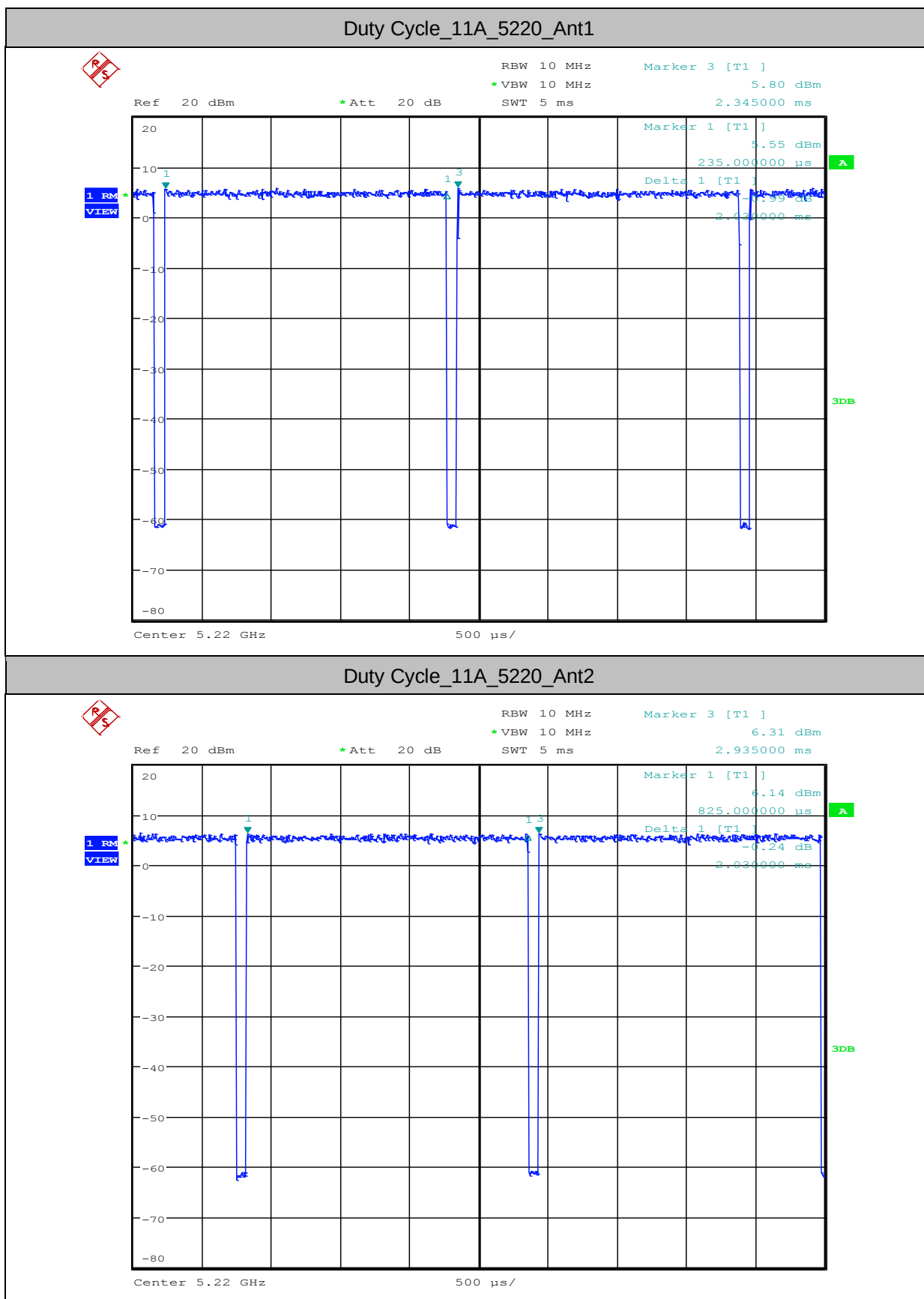


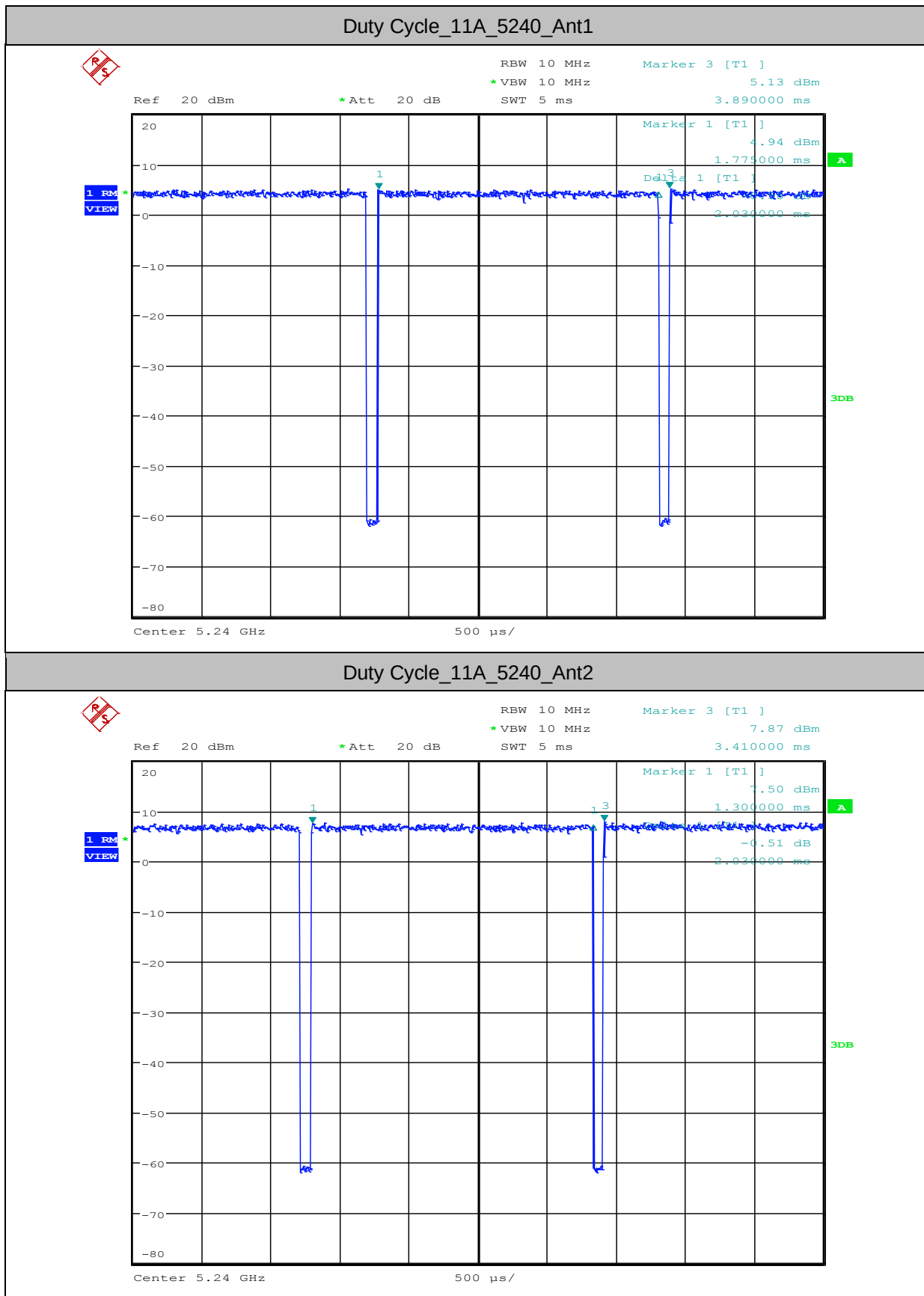
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Shenzhen Branch**

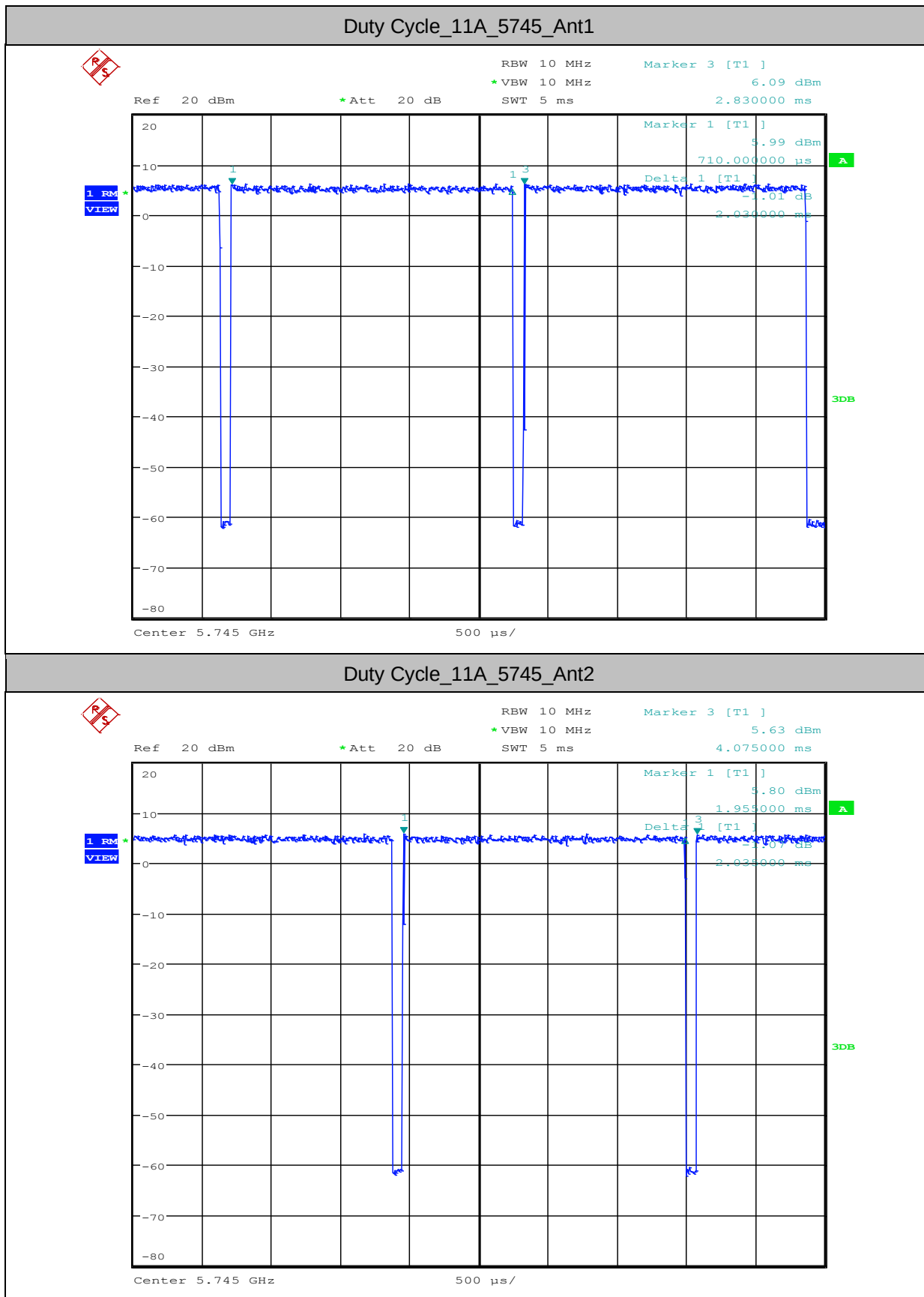
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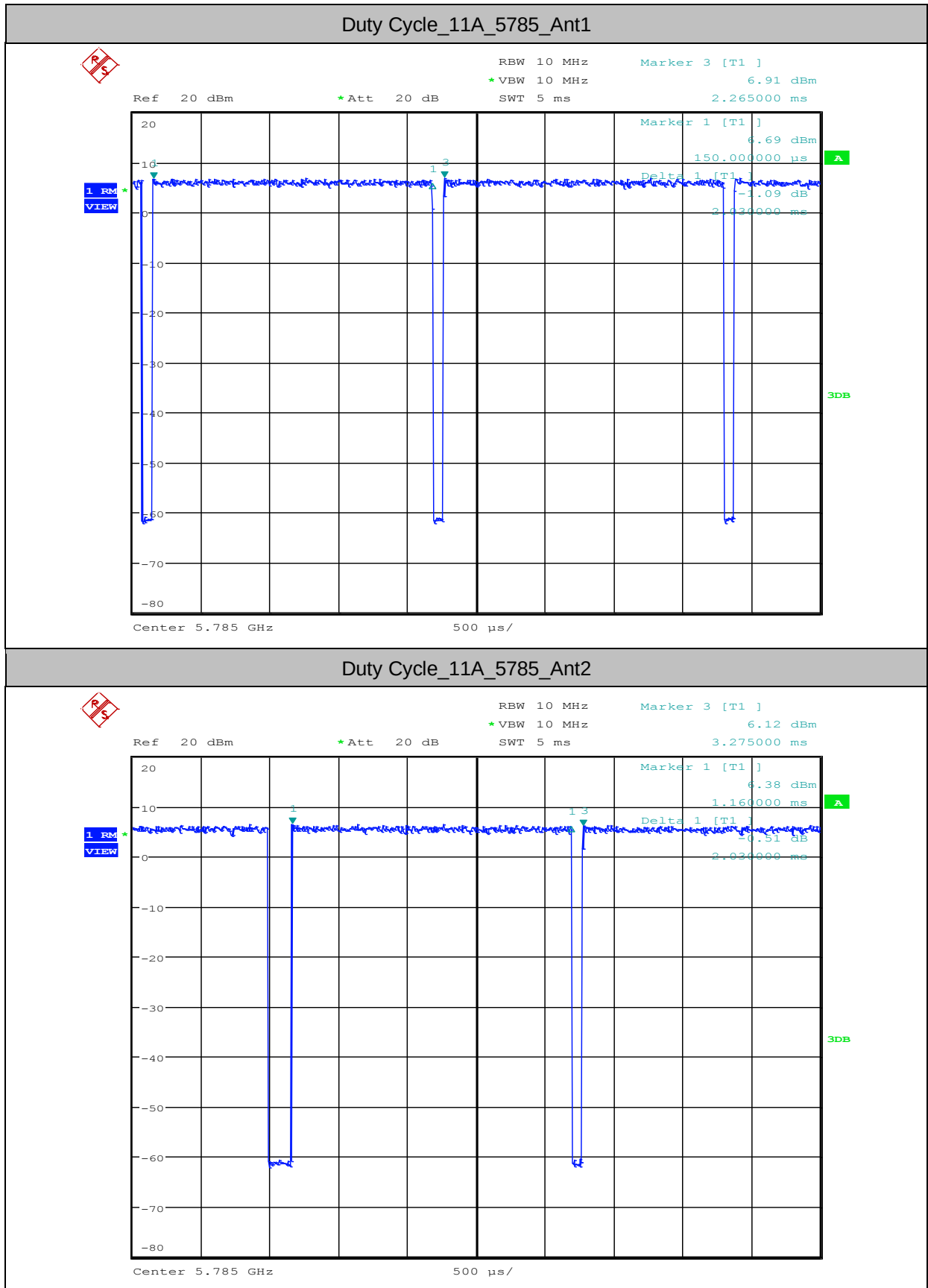
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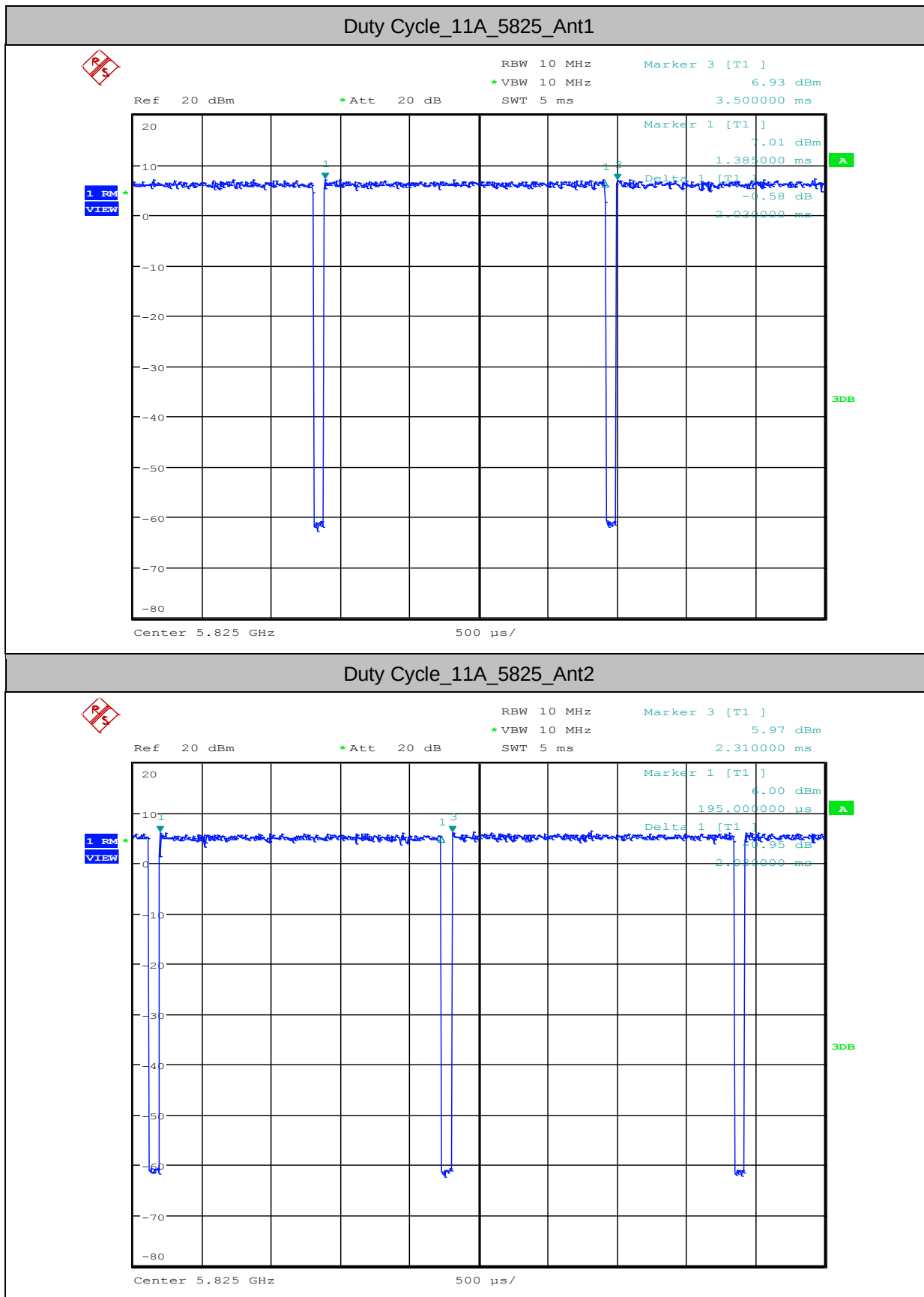


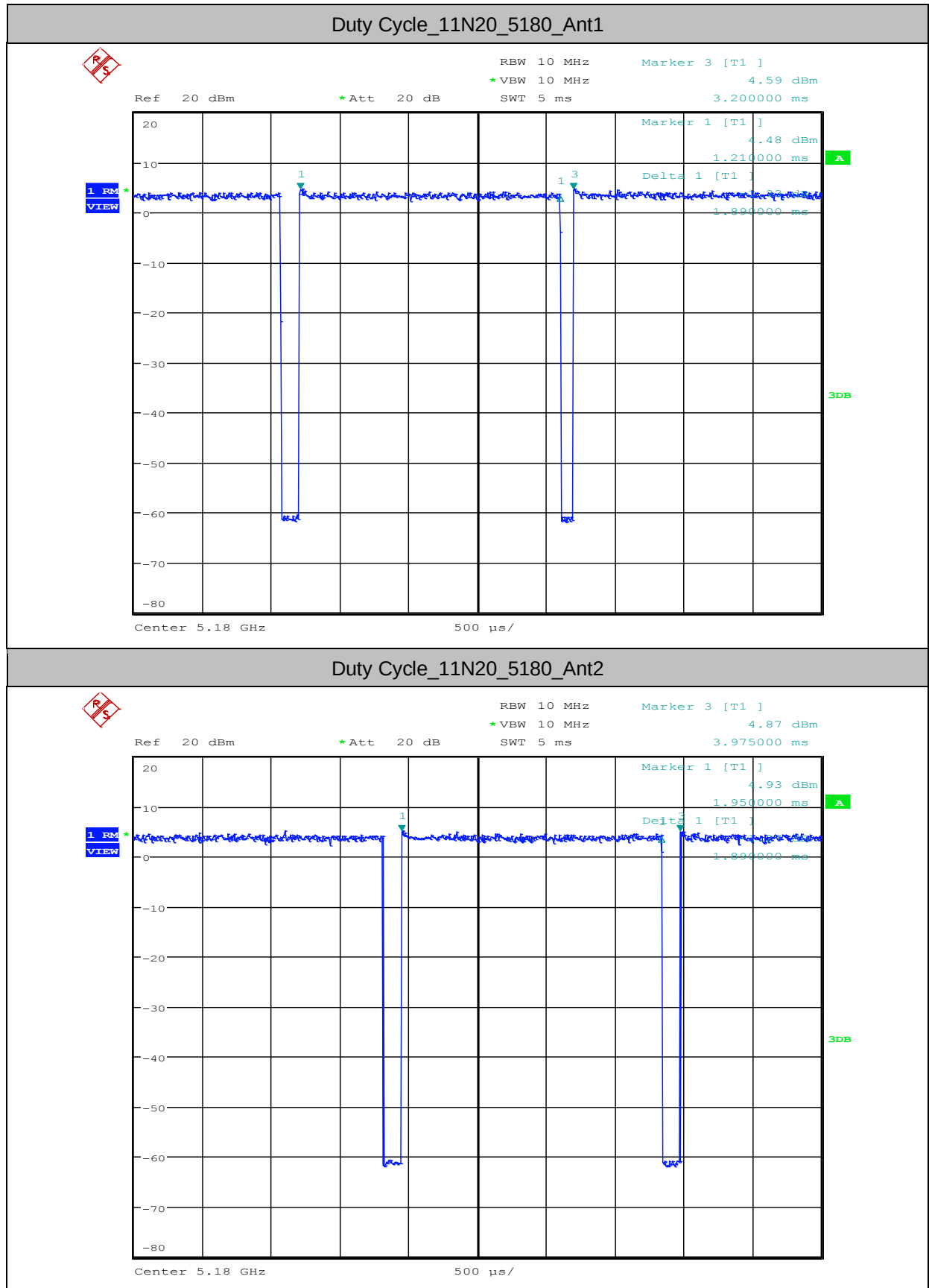


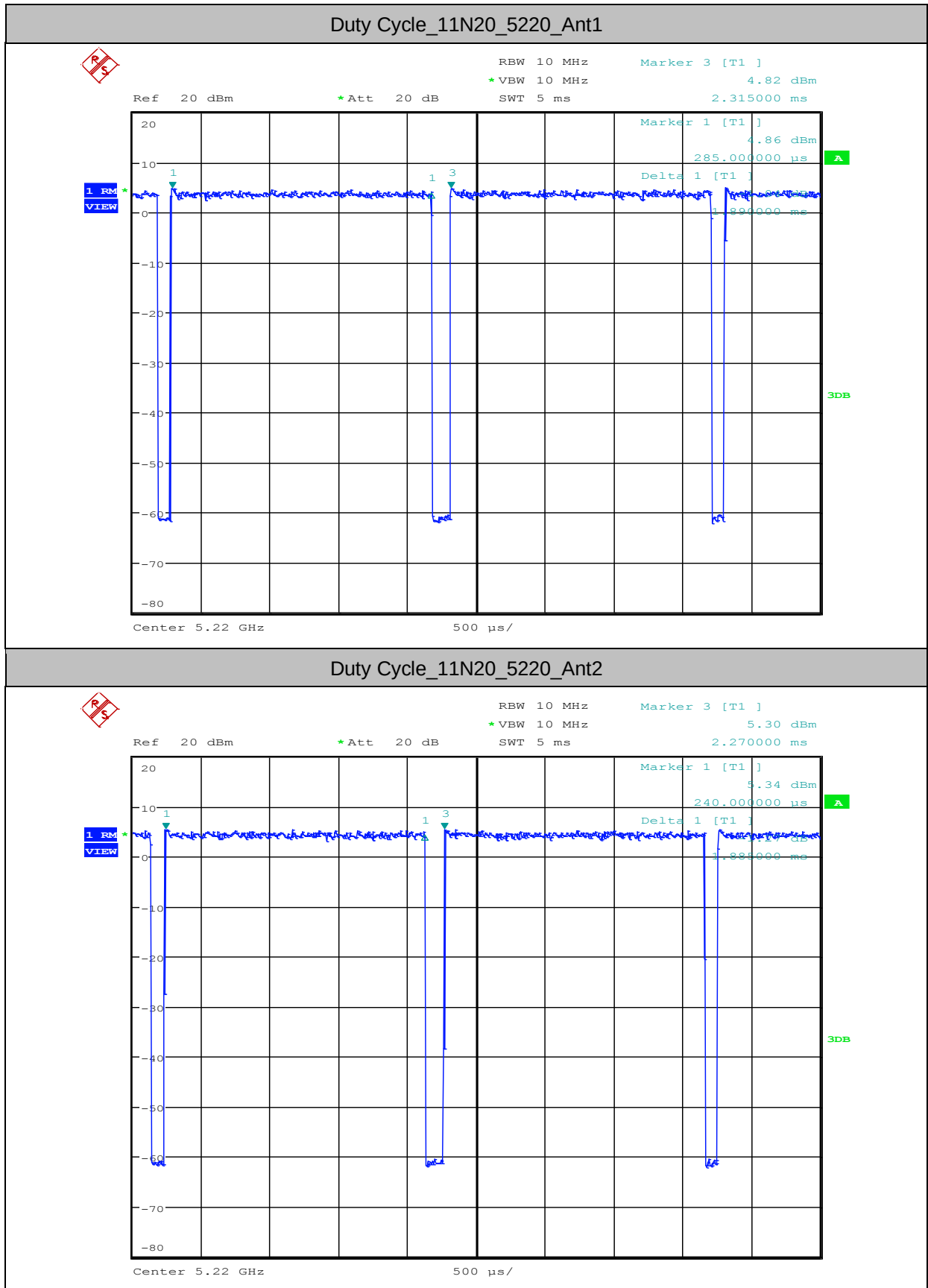


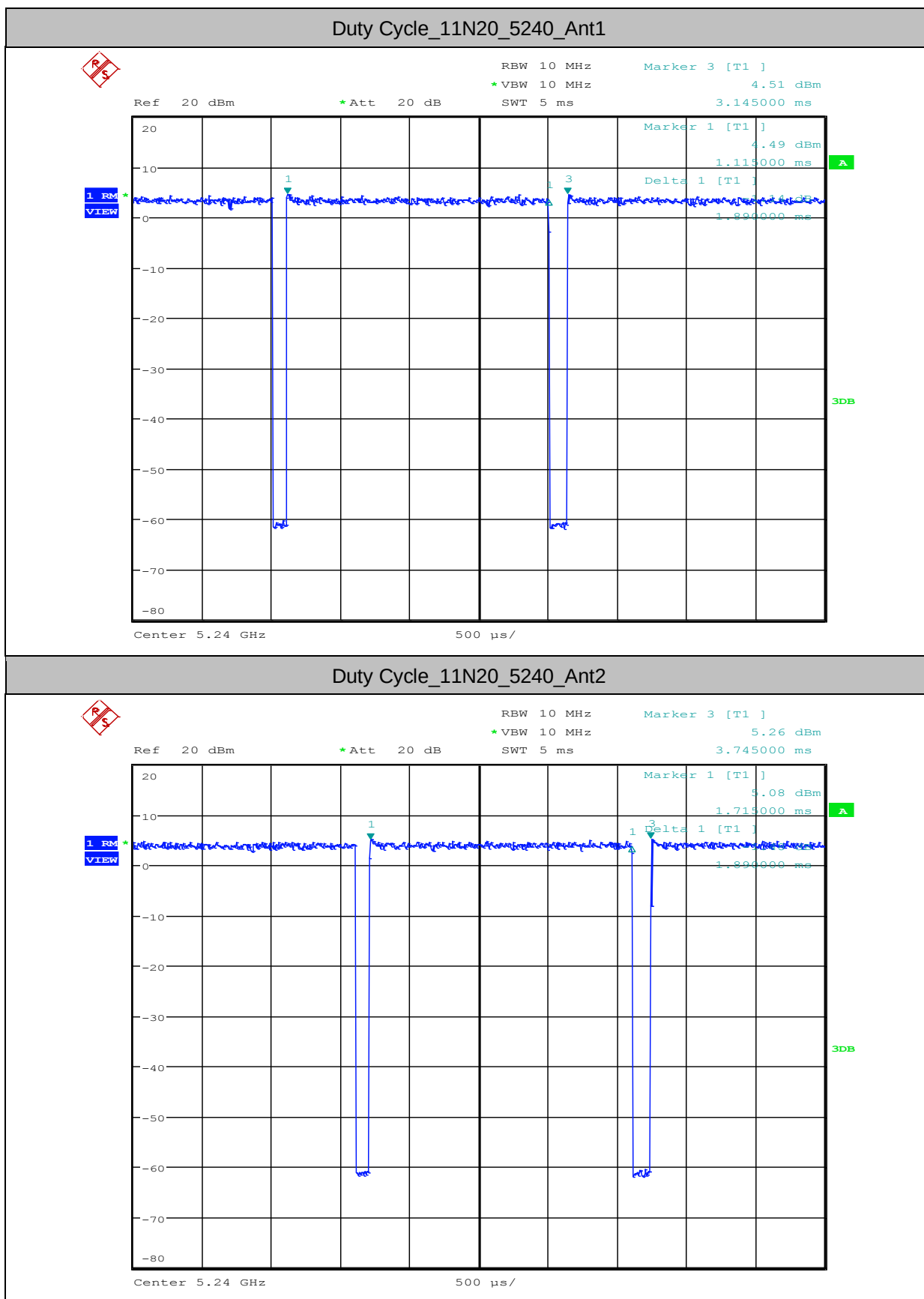


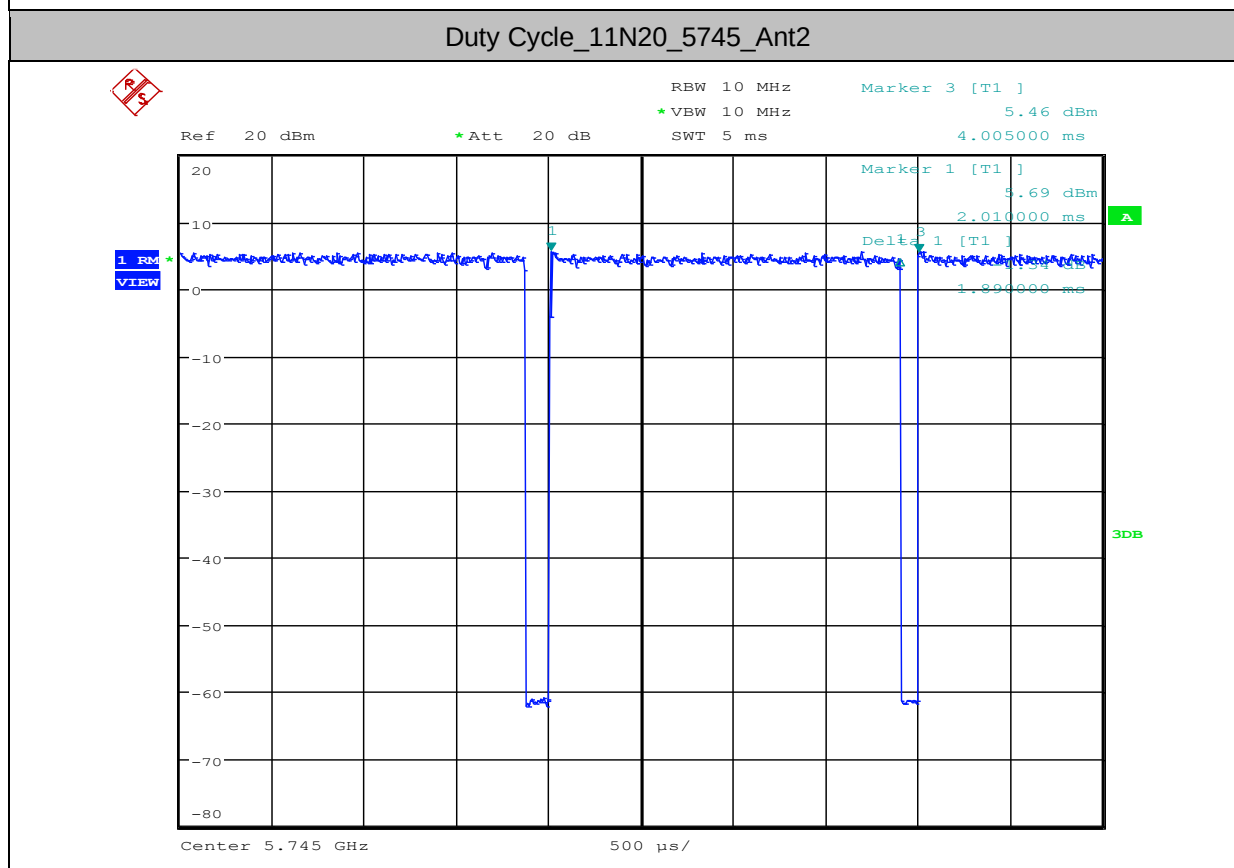


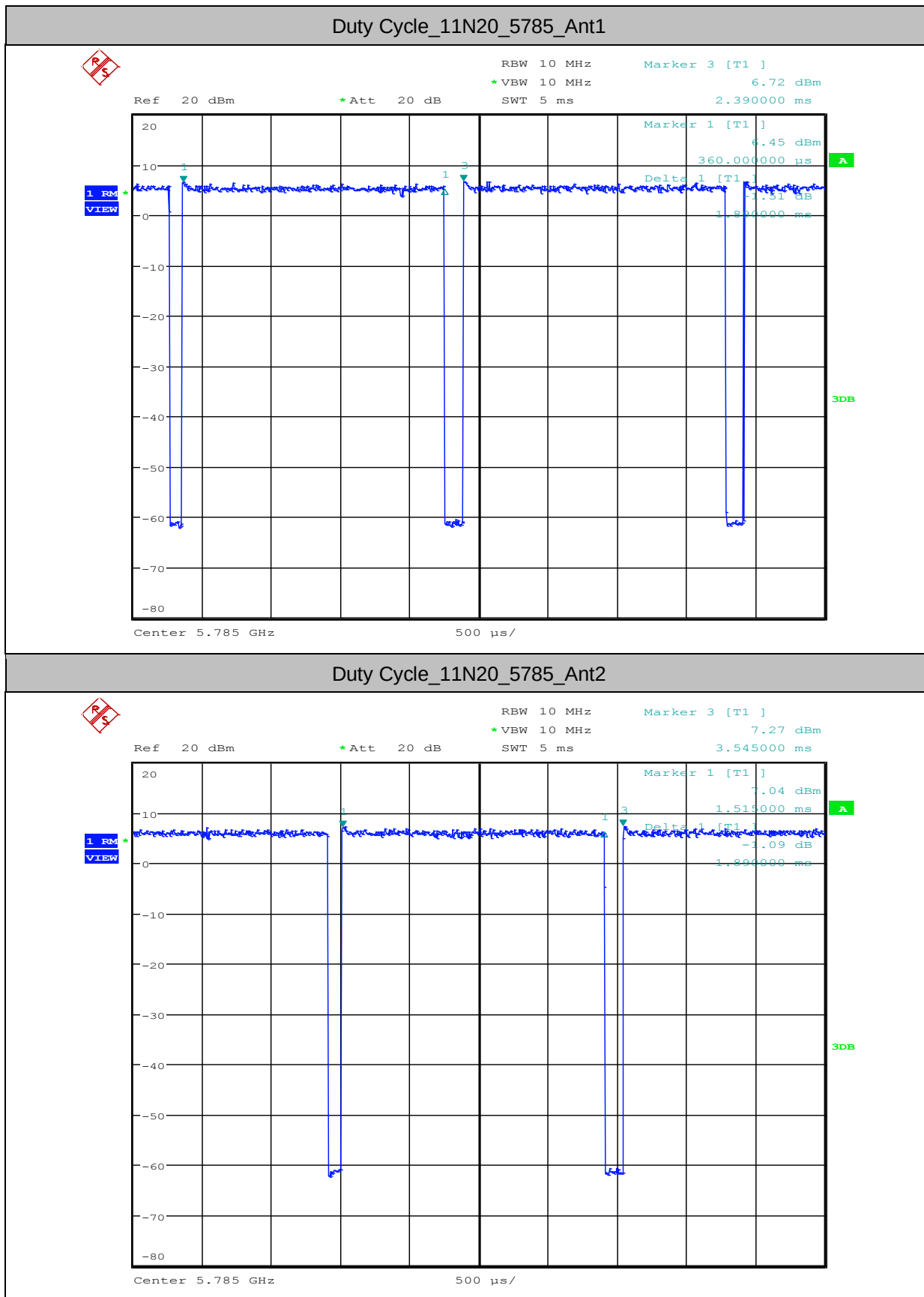


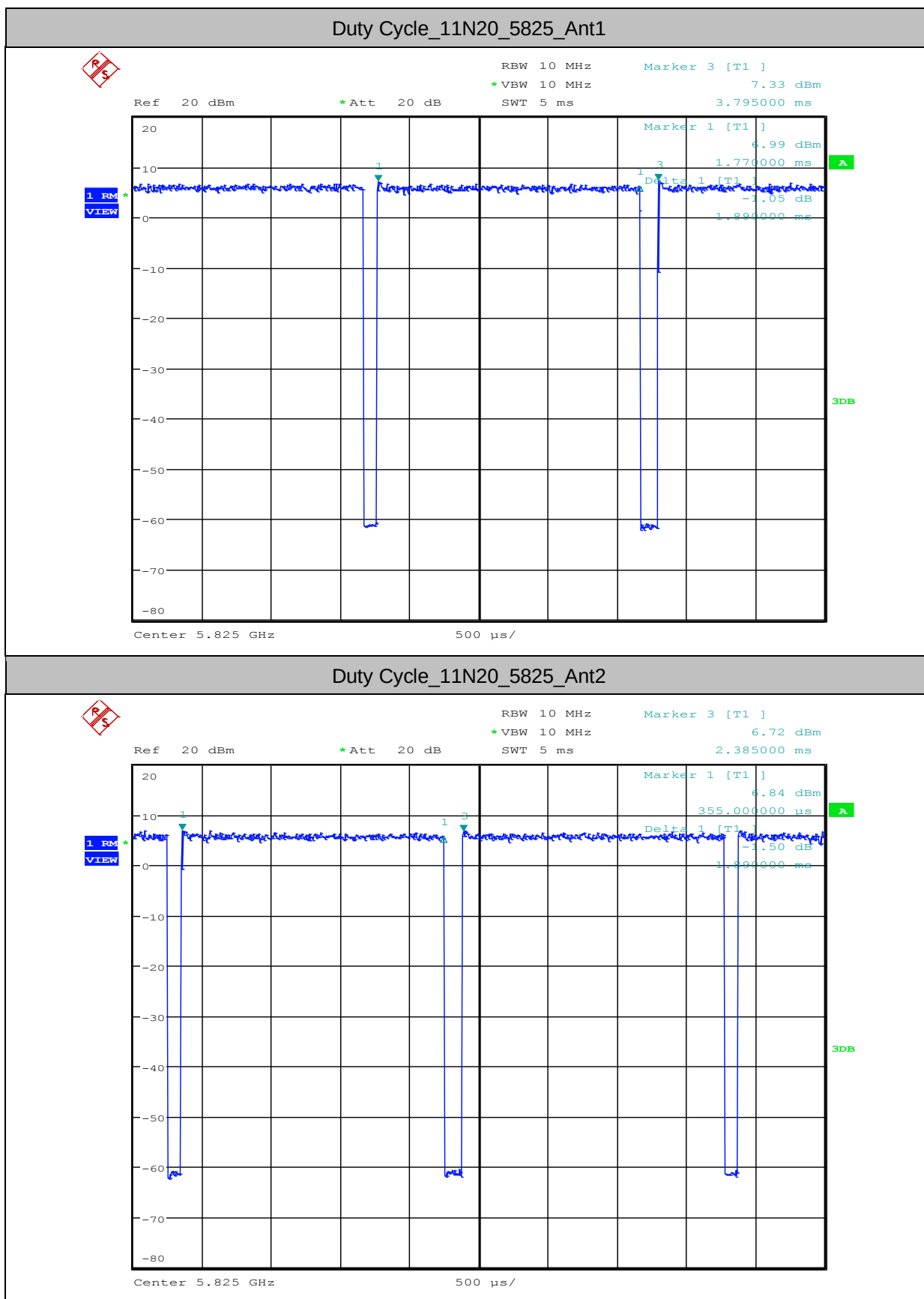


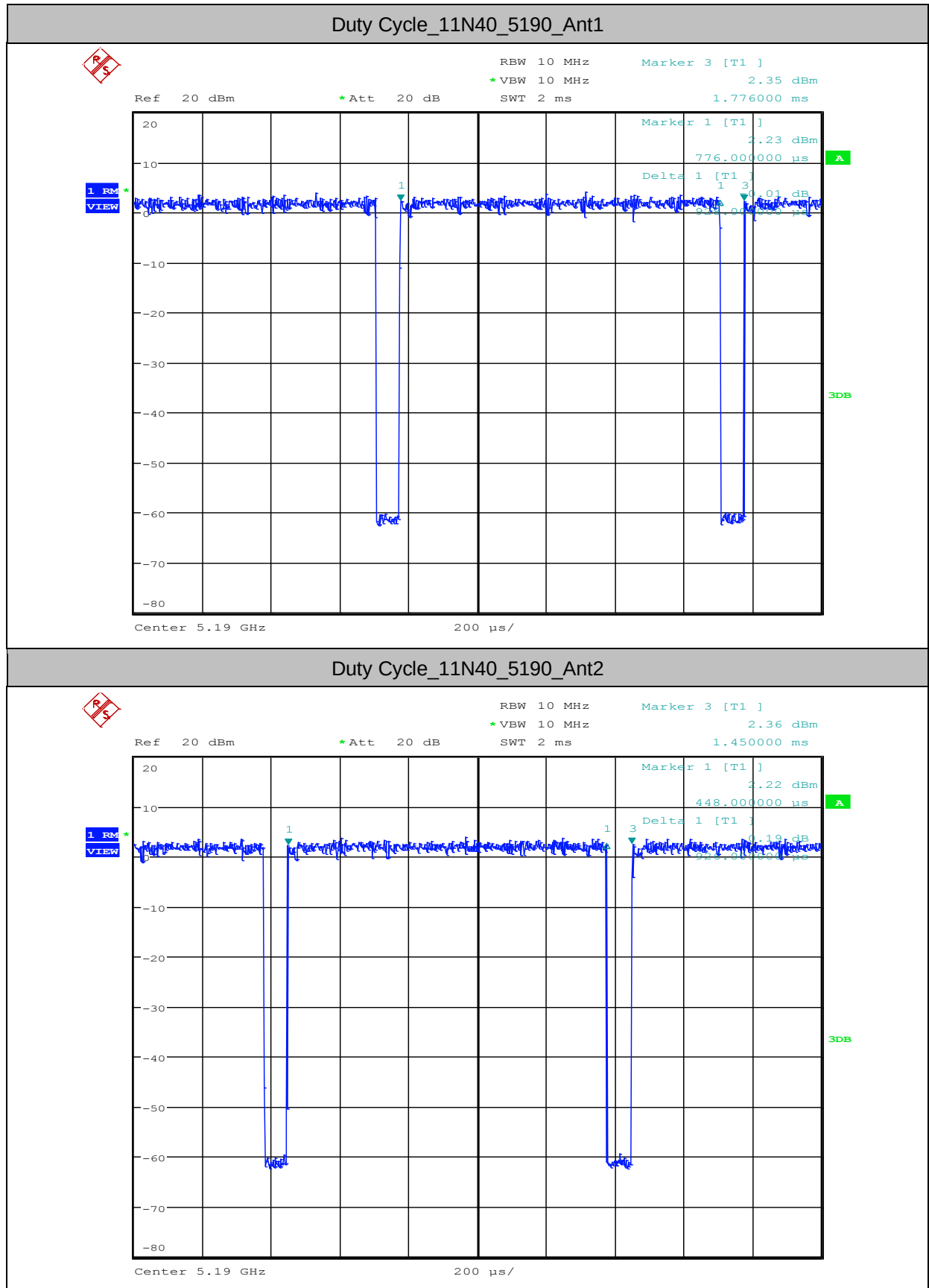


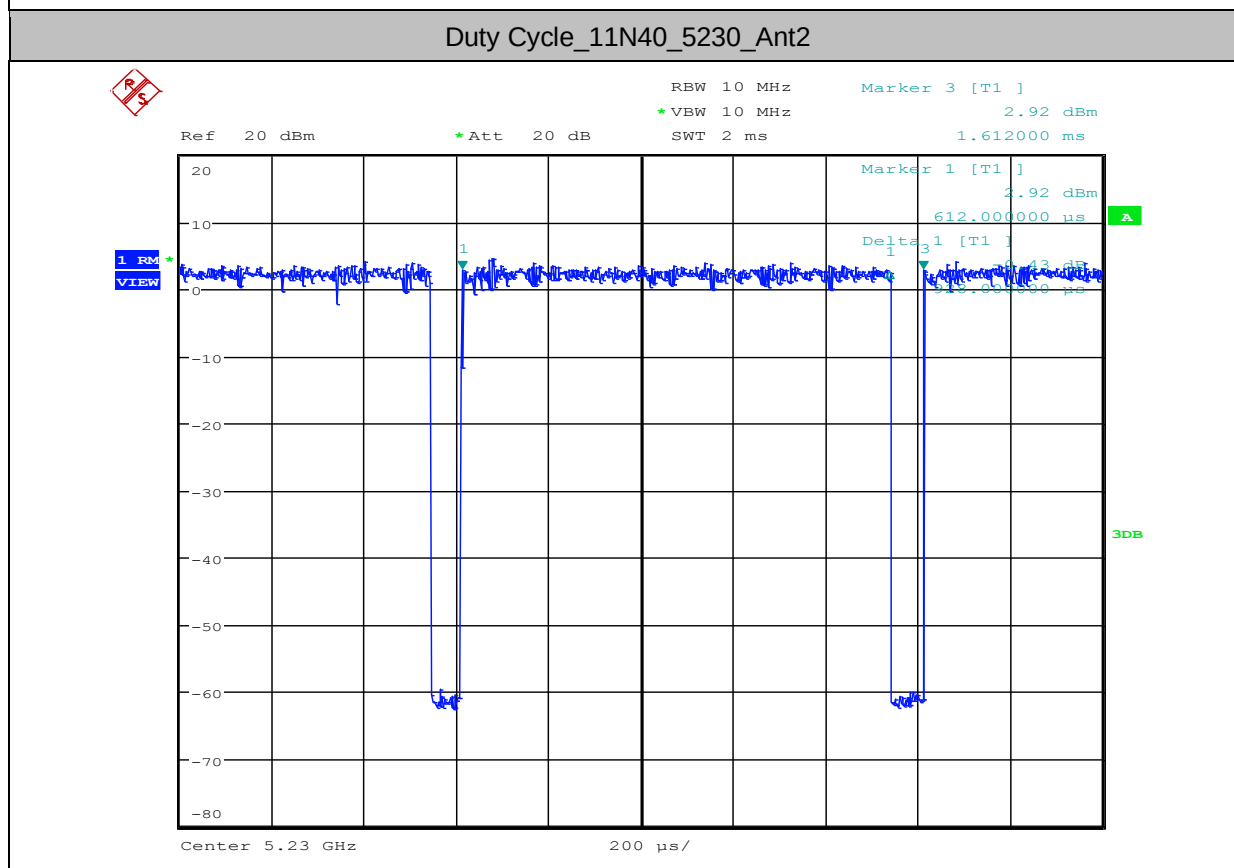


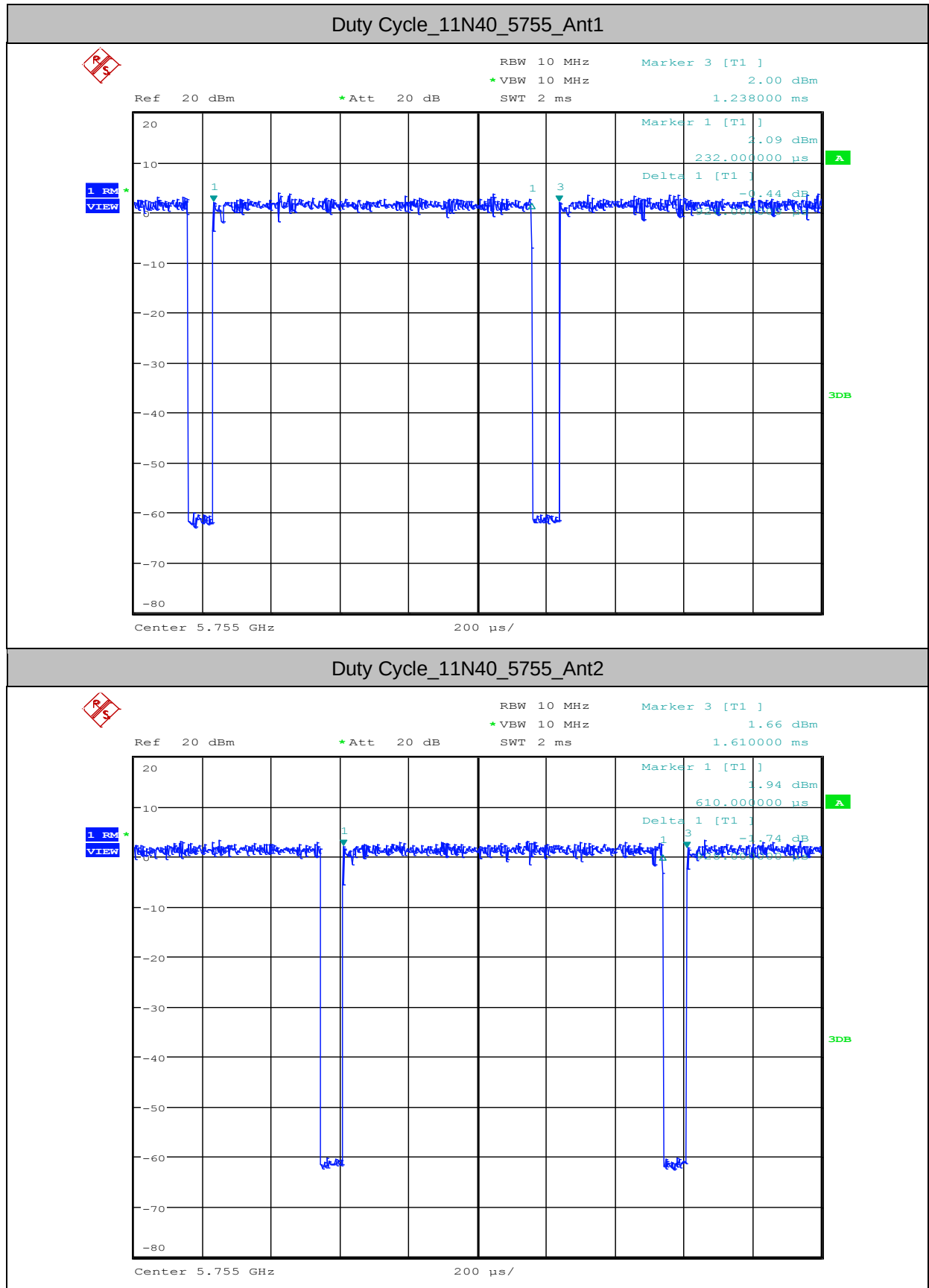


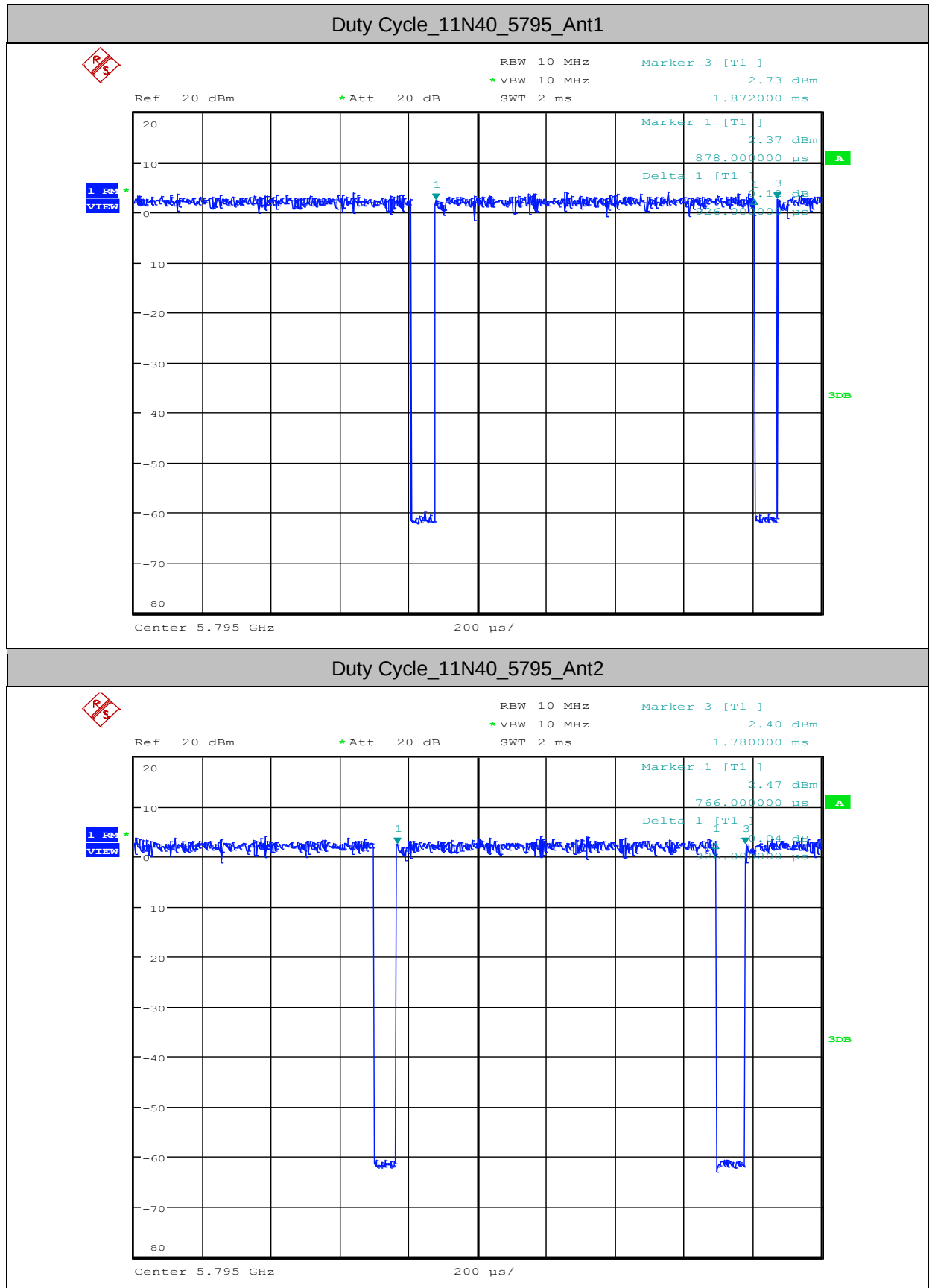


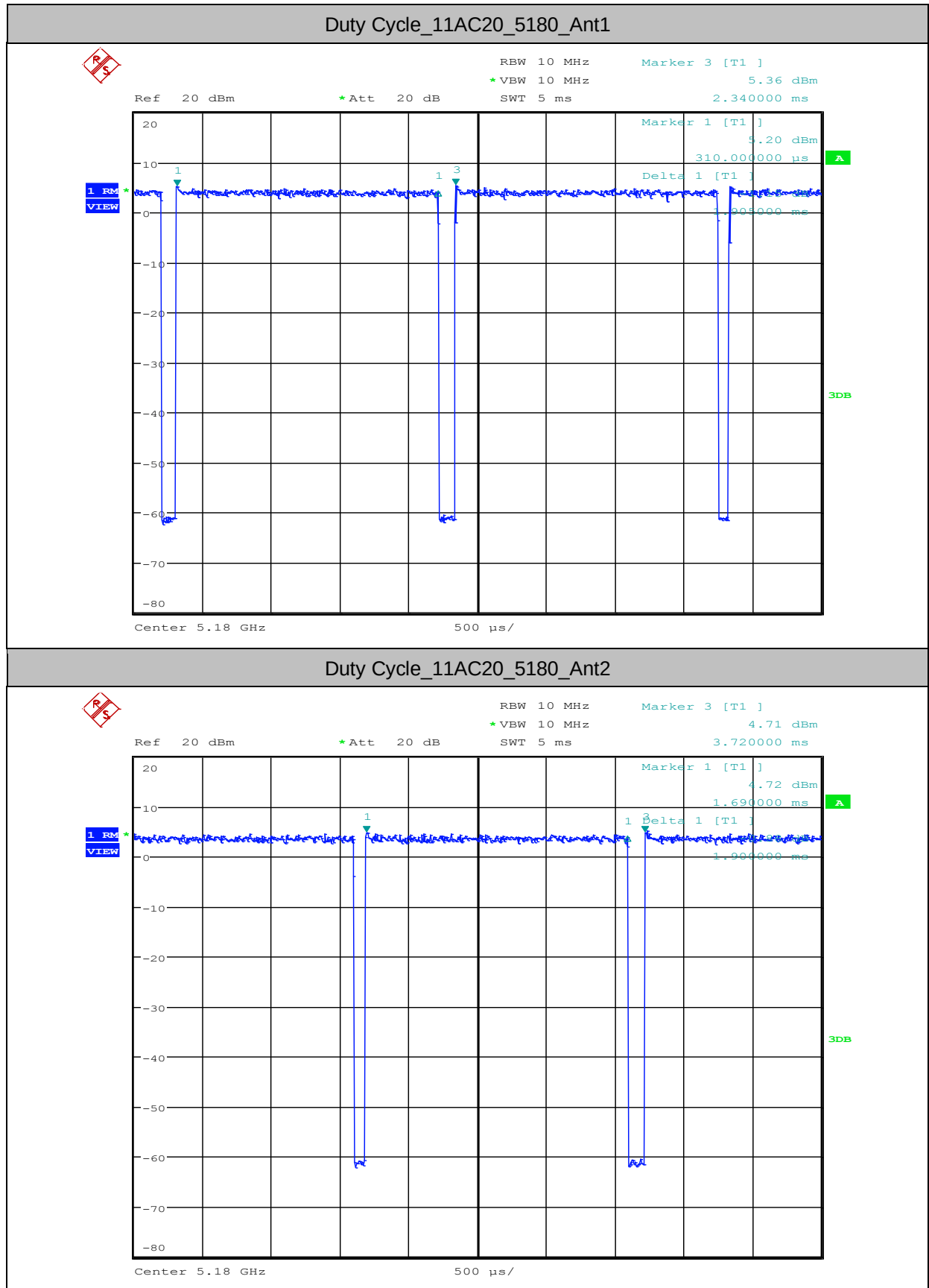


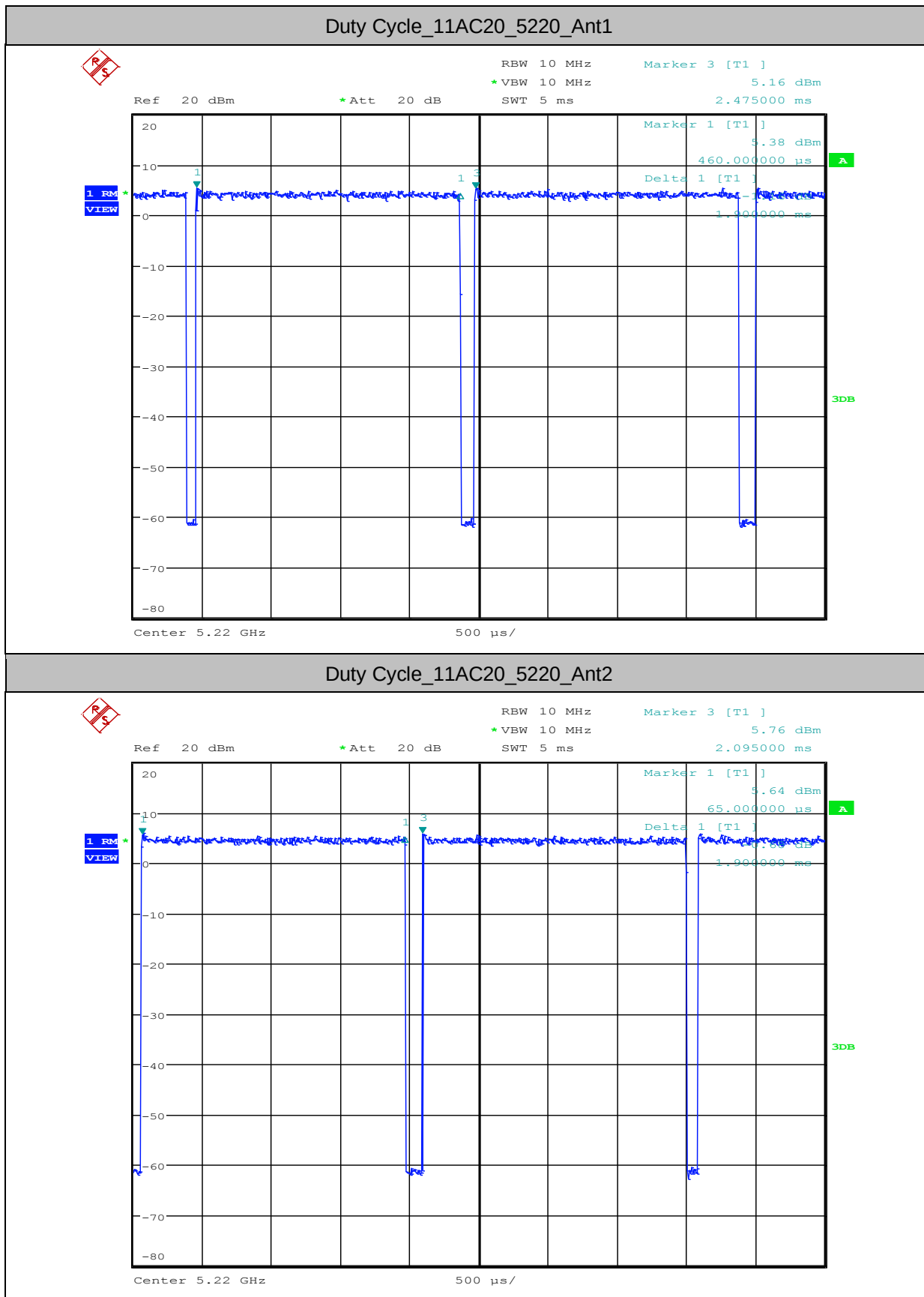


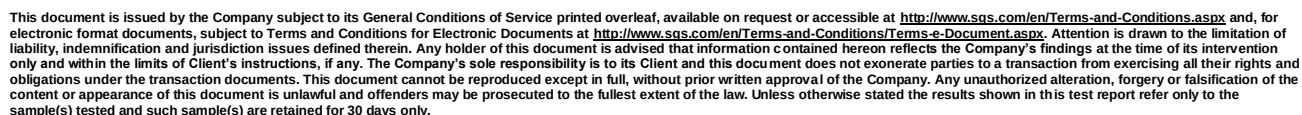


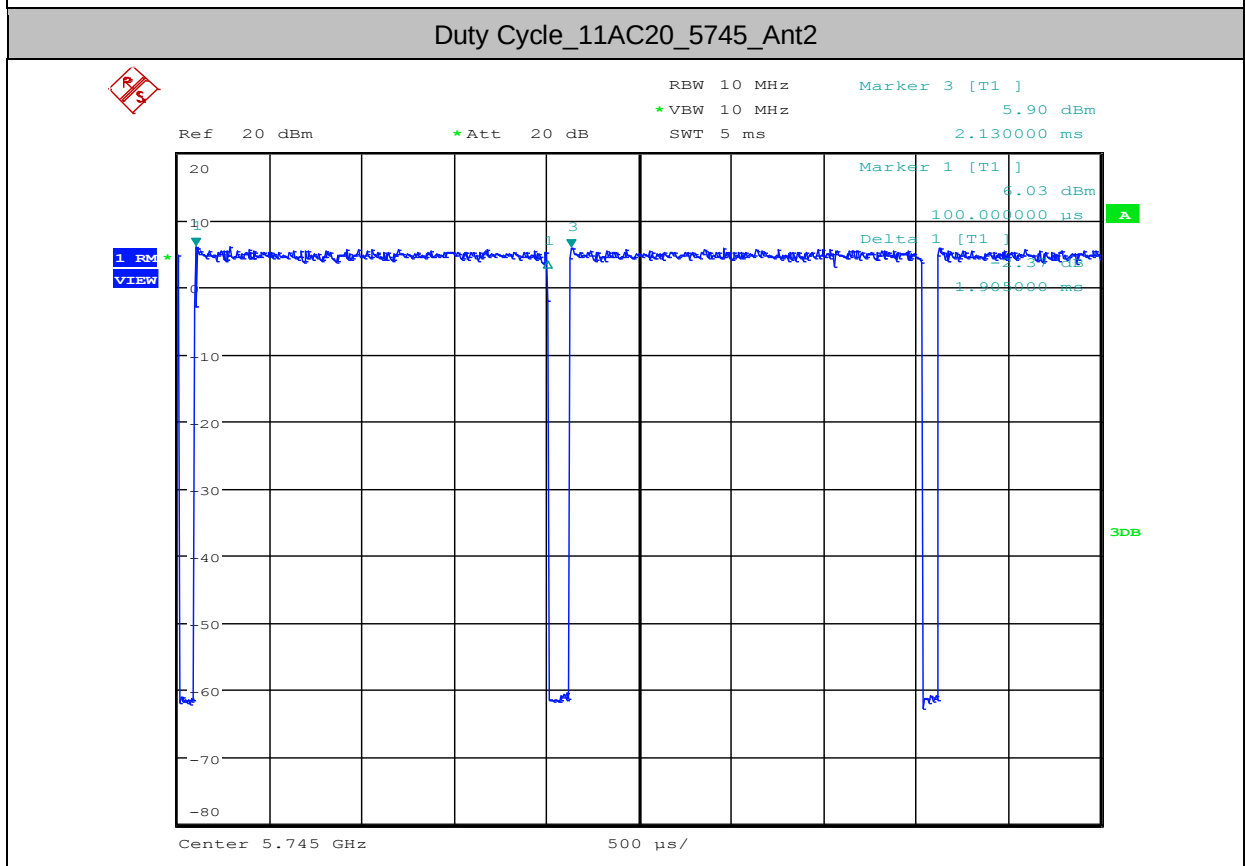
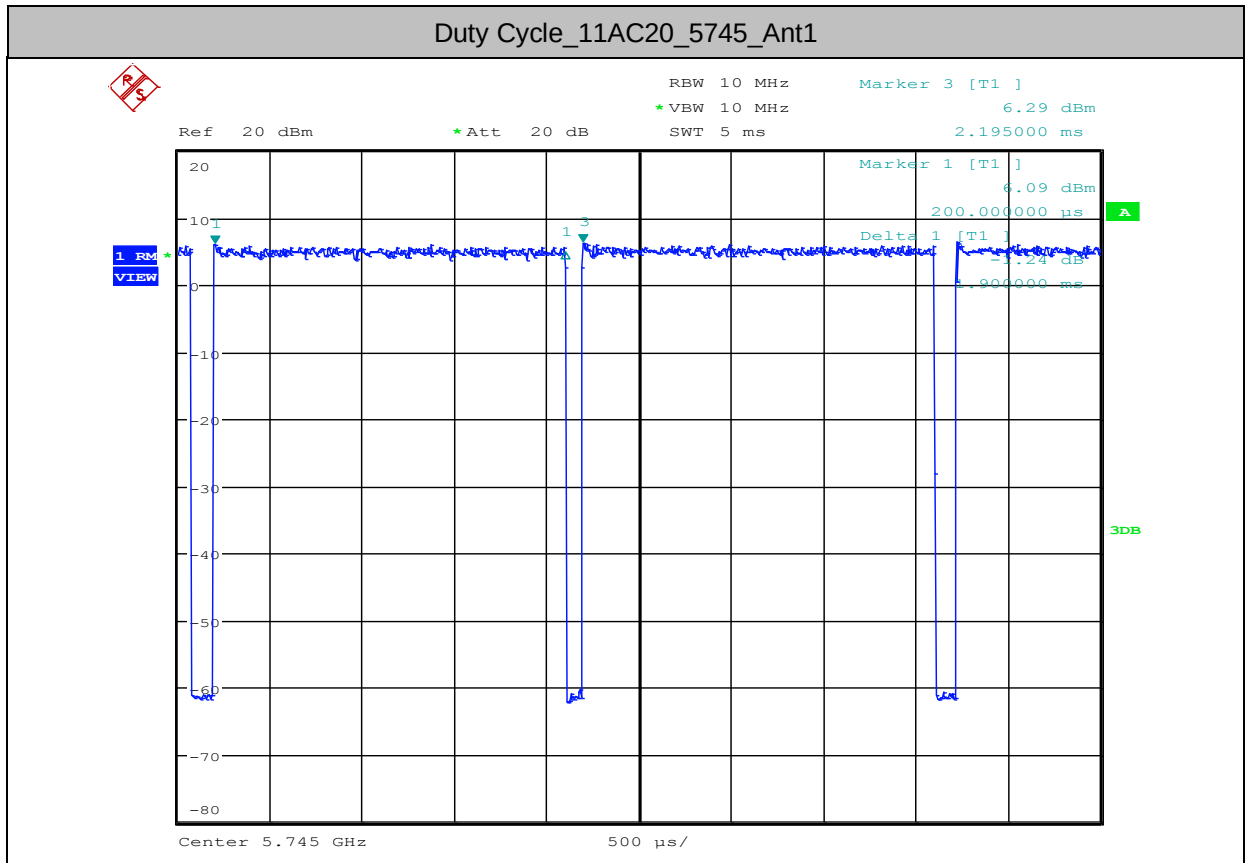


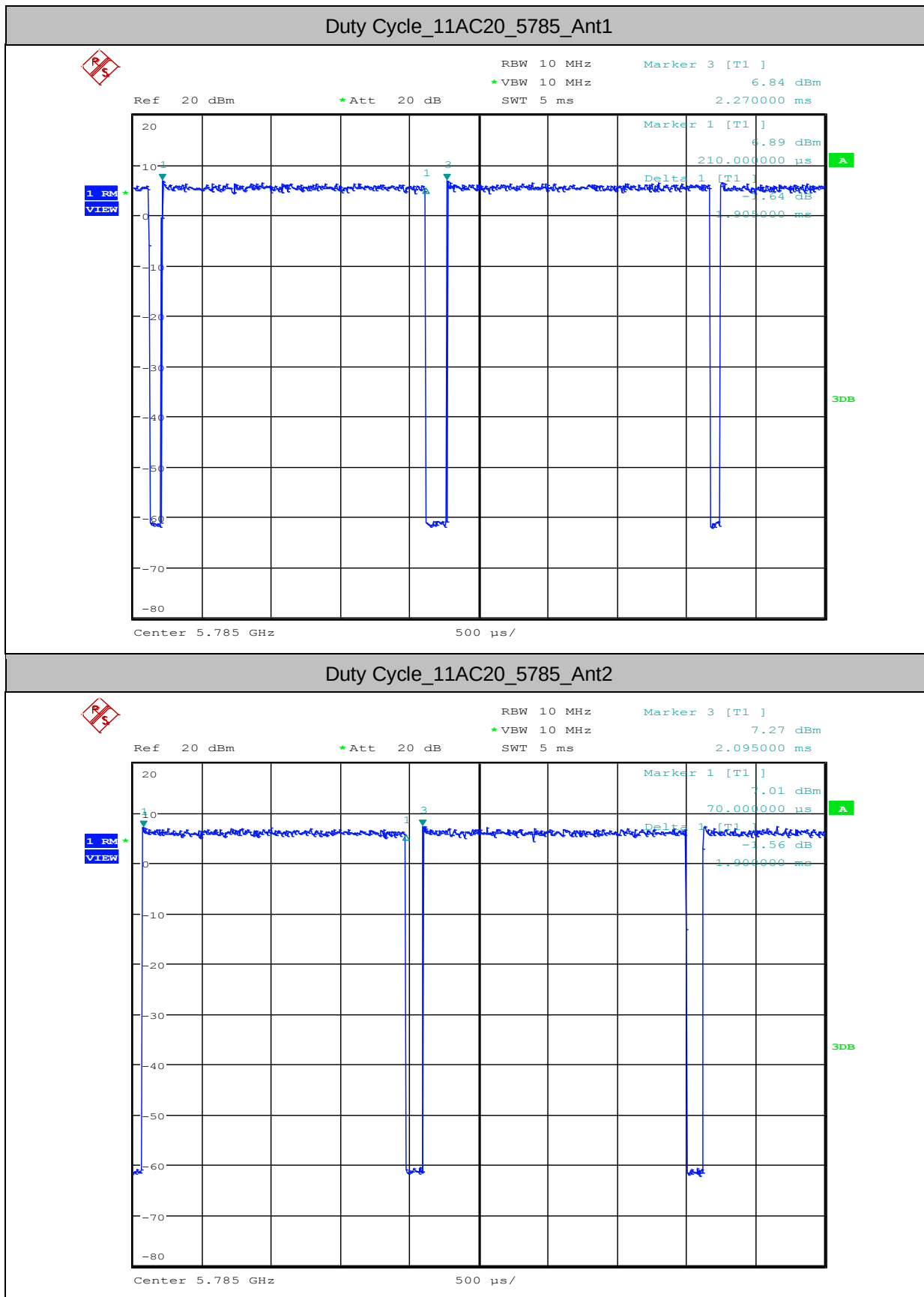


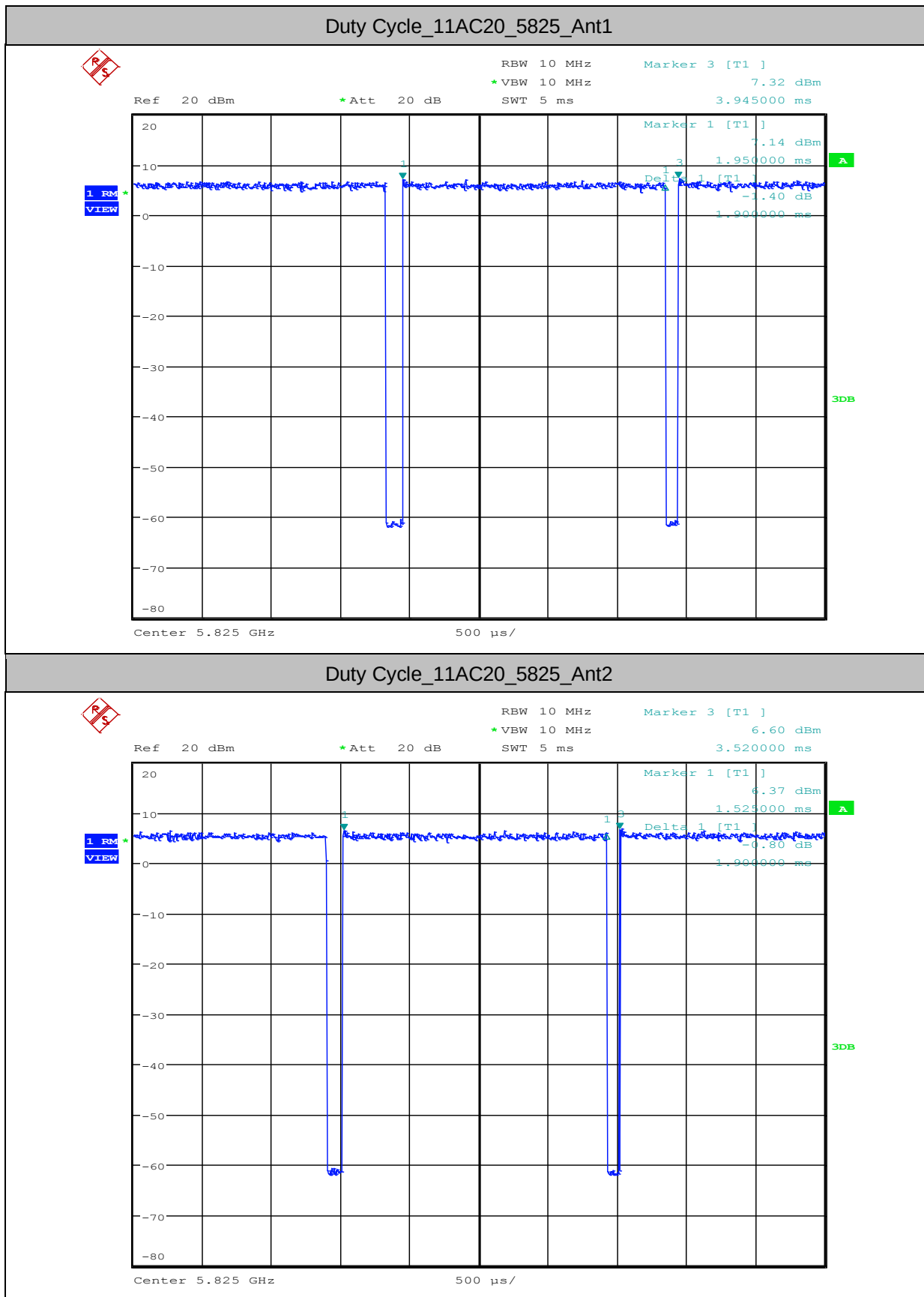


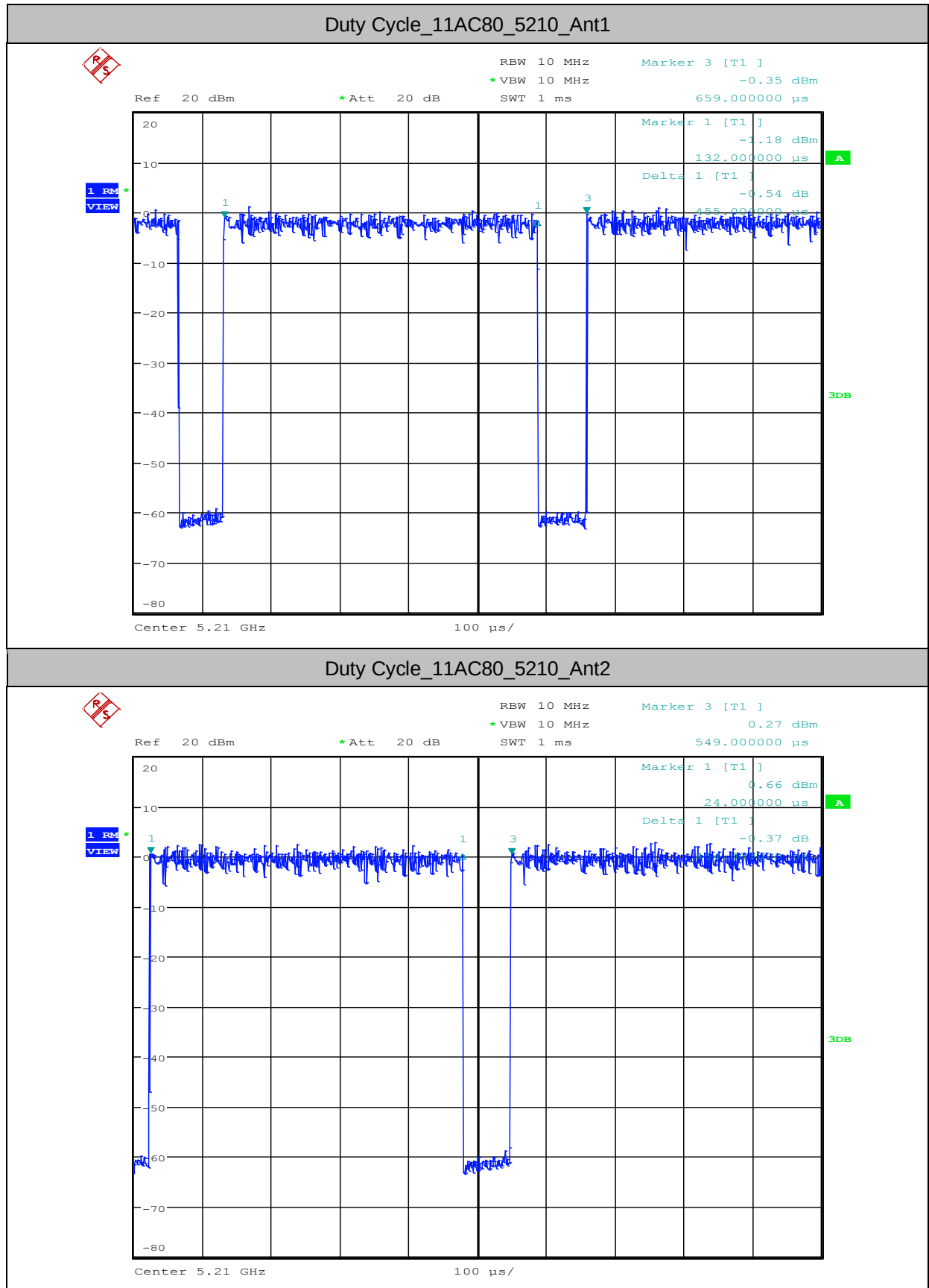


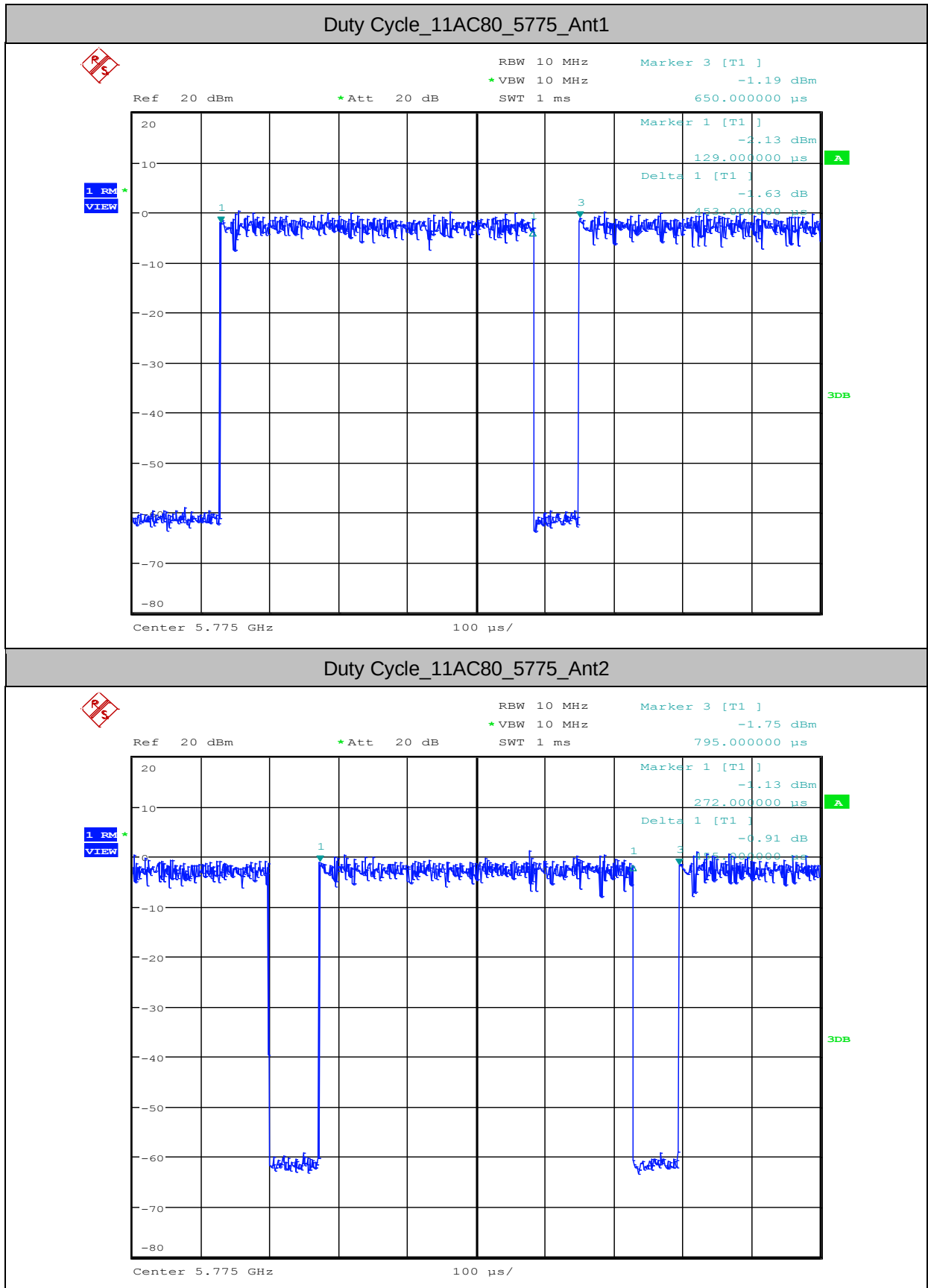


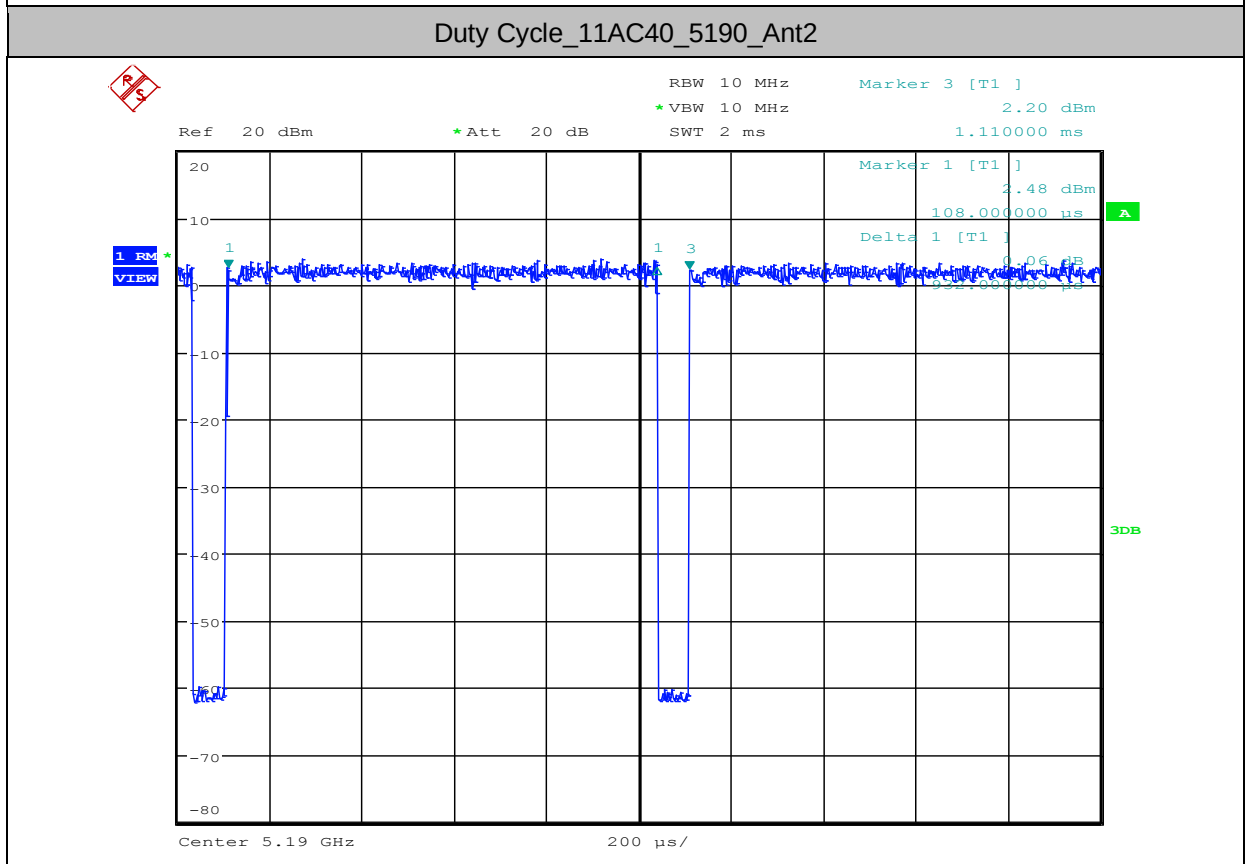
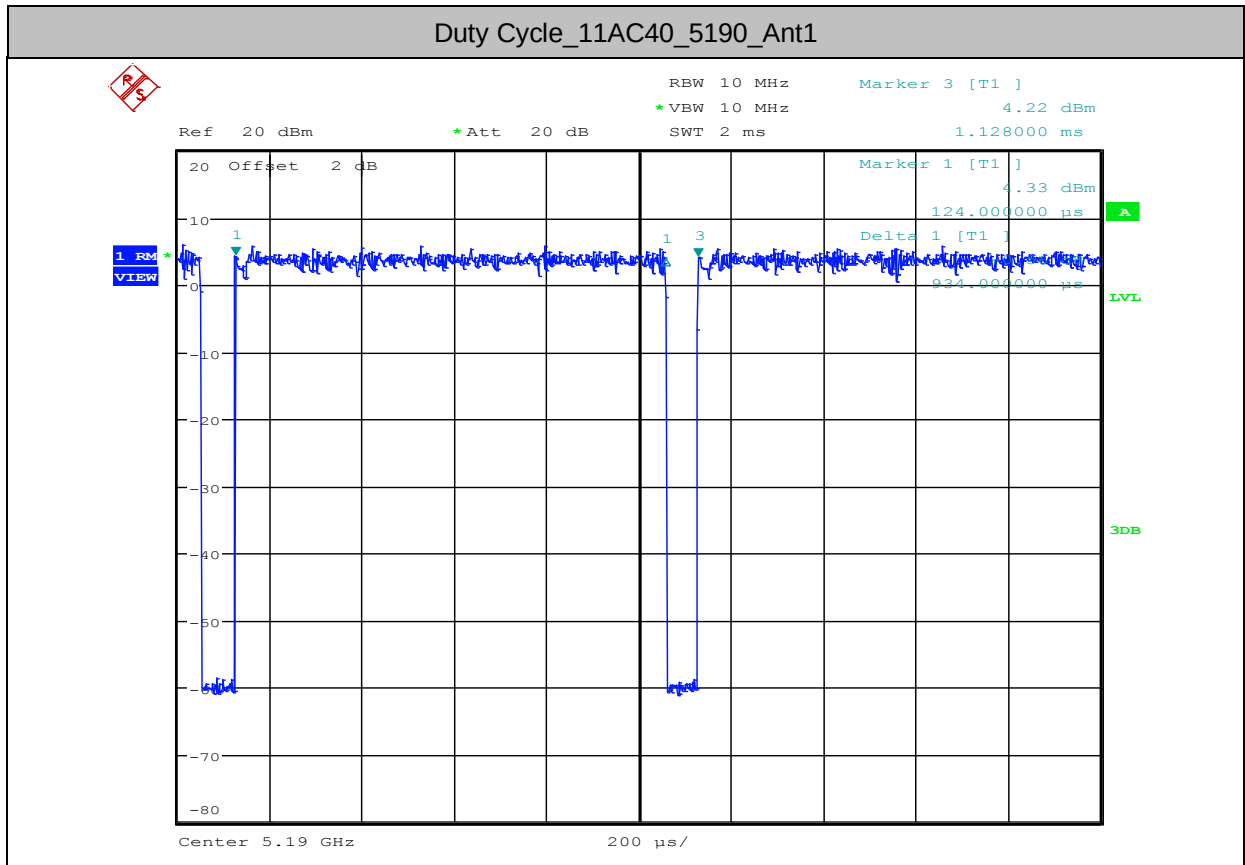


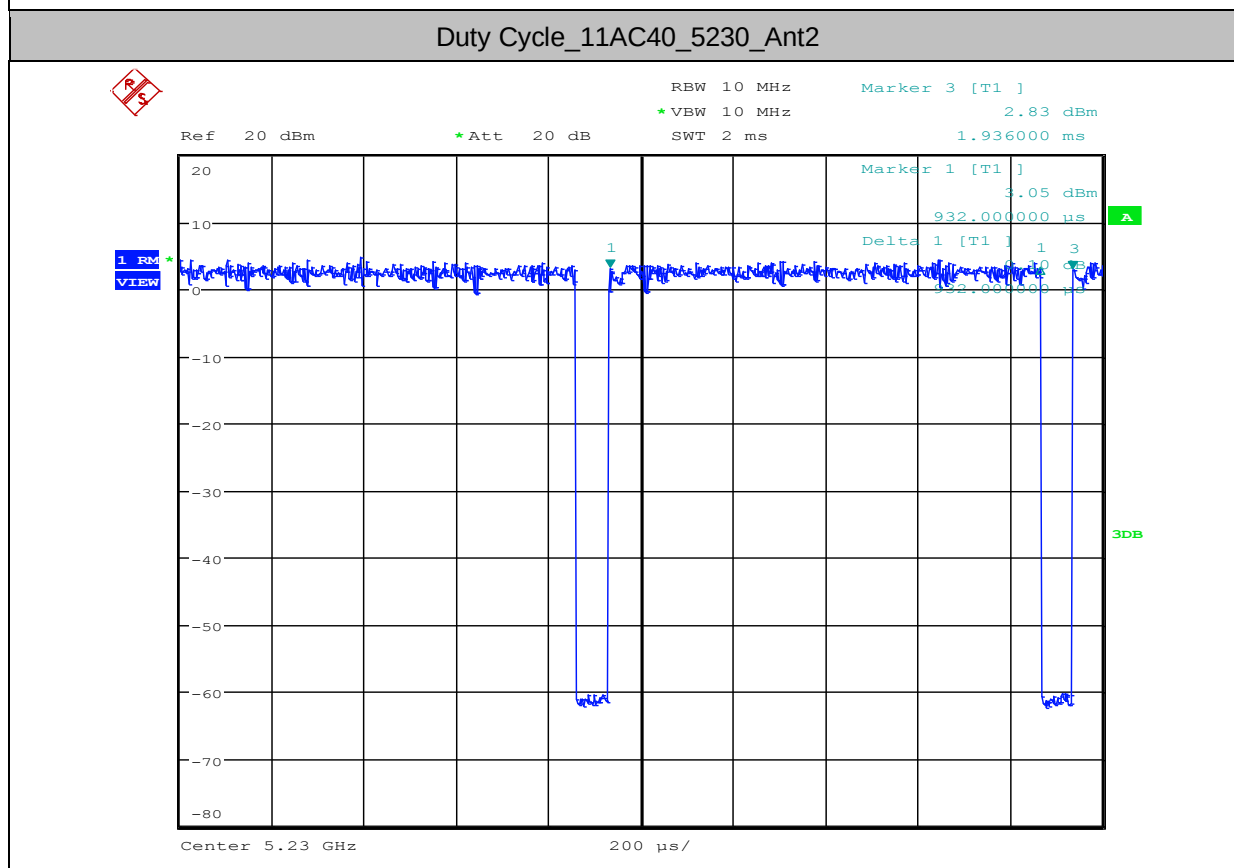
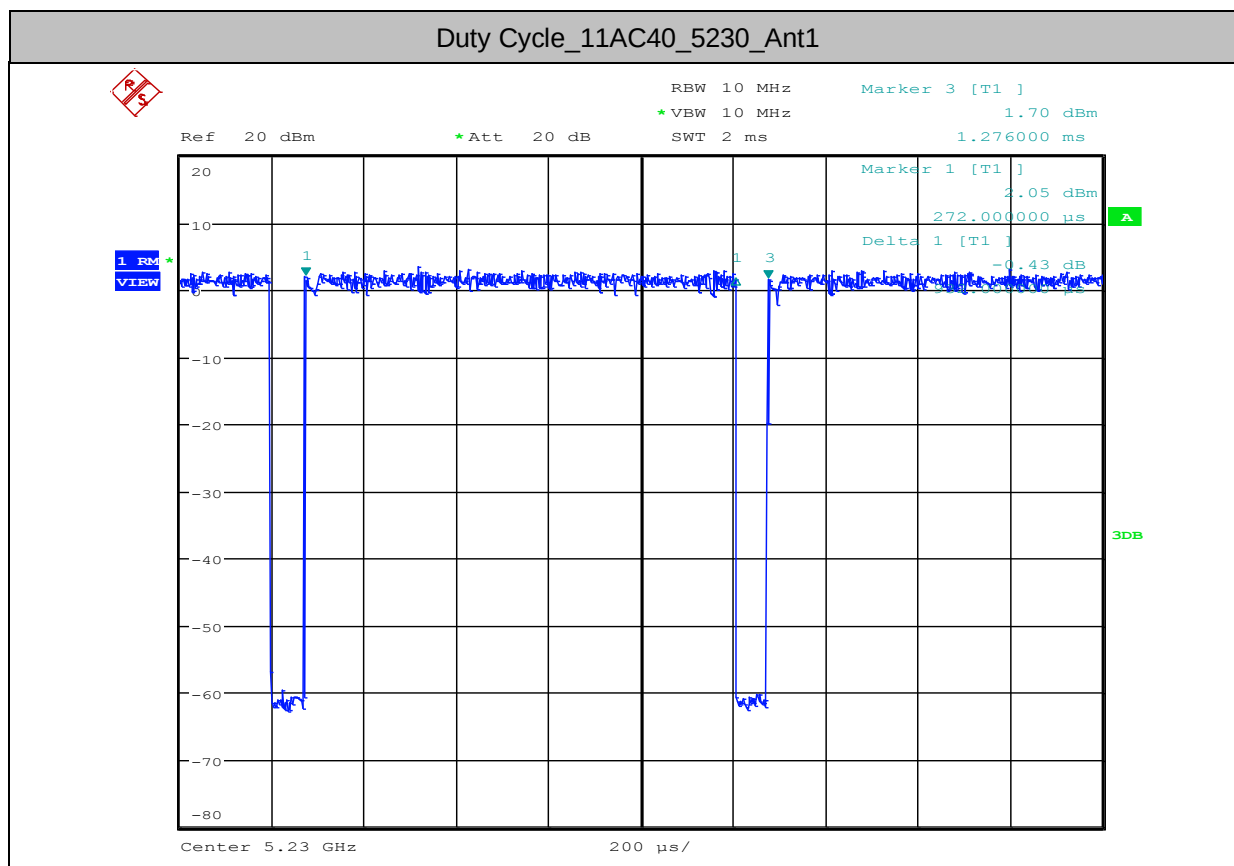


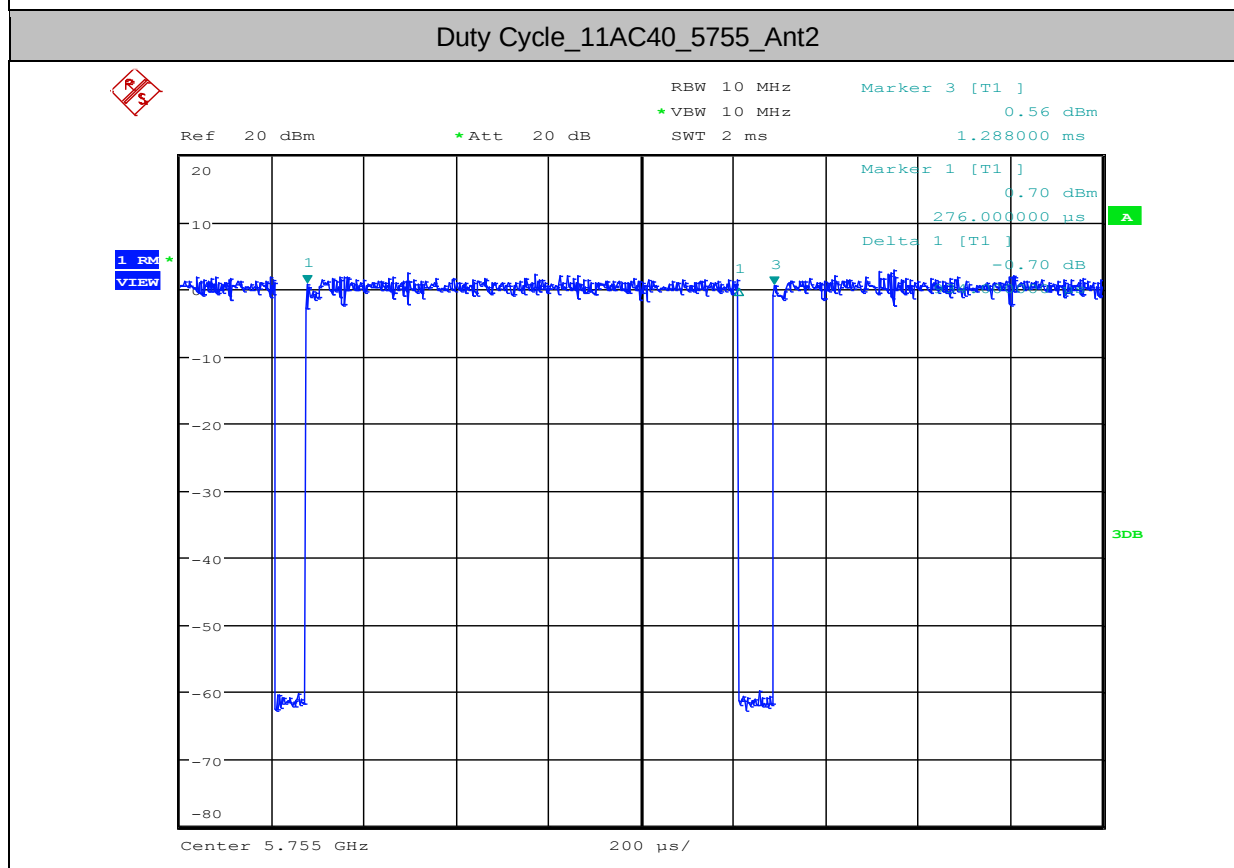
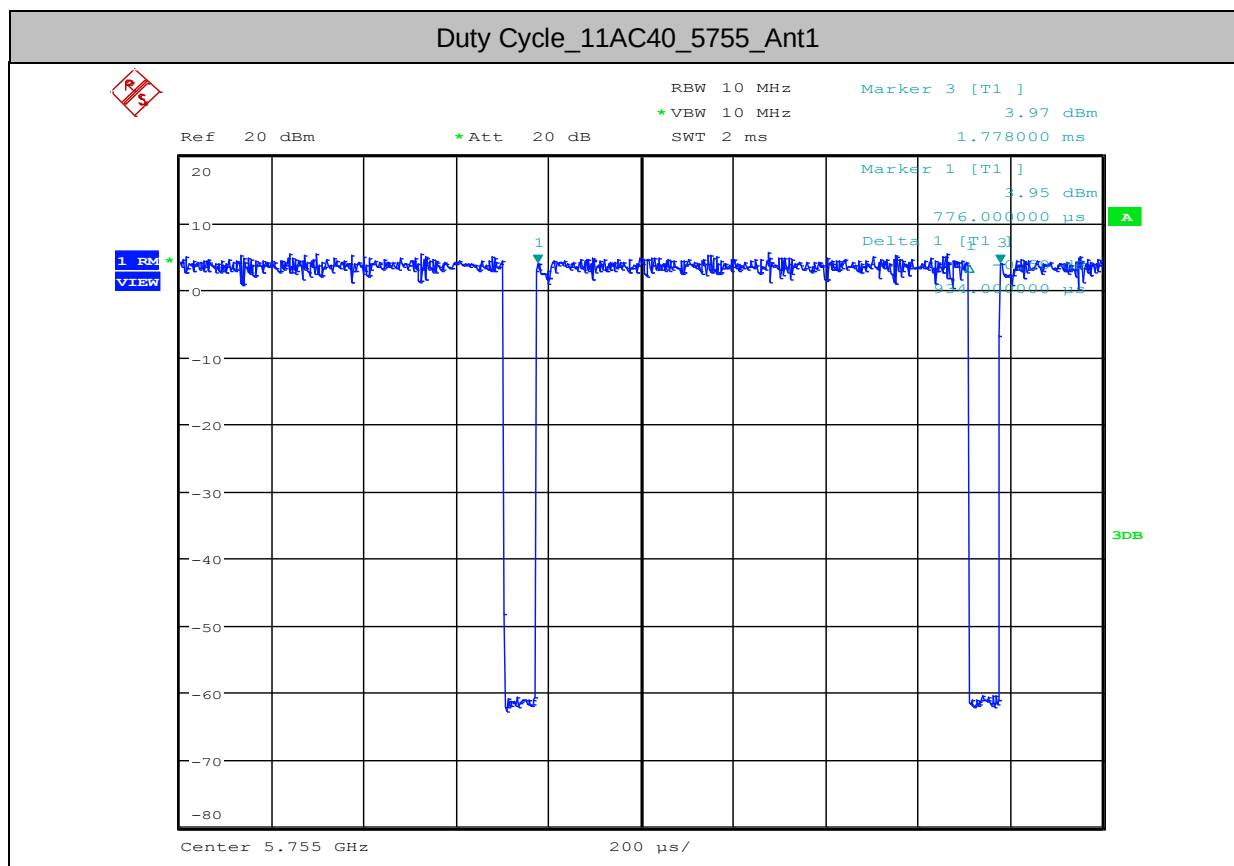


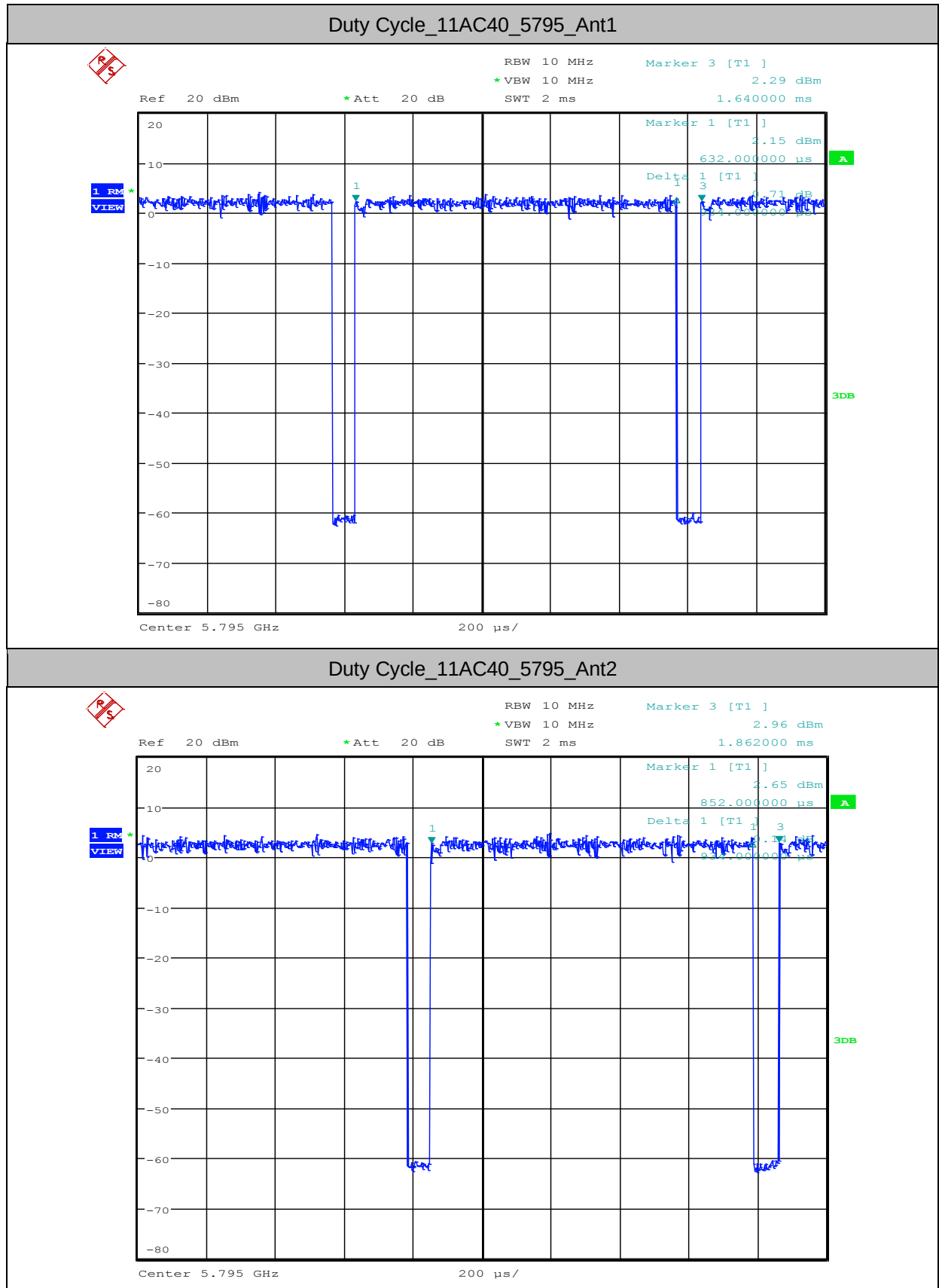












- End of the Report -