



Appendix U-III A: Emission Bandwidth



1 Result Table

| Test Mode | Test Channel | Frequency[M Hz] | Ant | 26dB Emission Bandwidth [MHz] | Verdict |
|-----------|--------------|-----------------|-------|-------------------------------|---------|
| 11A | 36 | 5180 | Ant 1 | 22.12 | pass |
| 11A | 36 | 5180 | Ant 2 | 22.1 | pass |
| 11A | 48 | 5240 | Ant 1 | 22.18 | pass |
| 11A | 48 | 5240 | Ant 2 | 22.2 | pass |
| 11A | 52 | 5260 | Ant 1 | 22.42 | pass |
| 11A | 52 | 5260 | Ant 2 | 22.32 | pass |
| 11A | 64 | 5320 | Ant 1 | 22.22 | pass |
| 11A | 64 | 5320 | Ant 2 | 22.3 | pass |
| 11A | 100 | 5500 | Ant 1 | 22.18 | pass |
| 11A | 100 | 5500 | Ant 2 | 22.18 | pass |
| 11A | 140 | 5700 | Ant 1 | 22.52 | pass |
| 11A | 140 | 5700 | Ant 2 | 22.18 | pass |
| 11N20 | 36 | 5180 | Ant 1 | 22.5 | pass |
| 11N20 | 36 | 5180 | Ant 2 | 22.72 | pass |
| 11N20M | 36 | 5180 | Ant 1 | 22.42 | pass |
| 11N20M | 36 | 5180 | Ant 2 | 22.16 | pass |
| 11N20 | 48 | 5240 | Ant 1 | 22.32 | pass |
| 11N20 | 48 | 5240 | Ant 2 | 22.5 | pass |
| 11N20M | 48 | 5240 | Ant 1 | 22.12 | pass |
| 11N20M | 48 | 5240 | Ant 2 | 22.26 | pass |
| 11N20 | 52 | 5260 | Ant 1 | 22.28 | pass |
| 11N20 | 52 | 5260 | Ant 2 | 22.42 | pass |
| 11N20M | 52 | 5260 | Ant 1 | 22.14 | pass |
| 11N20M | 52 | 5260 | Ant 2 | 22.18 | pass |
| 11N20 | 64 | 5320 | Ant 1 | 22.34 | pass |
| 11N20 | 64 | 5320 | Ant 2 | 22.54 | pass |
| 11N20M | 64 | 5320 | Ant 1 | 22.16 | pass |
| 11N20M | 64 | 5320 | Ant 2 | 22.2 | pass |
| 11N20 | 100 | 5500 | Ant 1 | 22.58 | pass |
| 11N20 | 100 | 5500 | Ant 2 | 22.38 | pass |
| 11N20M | 100 | 5500 | Ant 1 | 22.14 | pass |
| 11N20M | 100 | 5500 | Ant 2 | 22.18 | pass |
| 11N20 | 140 | 5700 | Ant 1 | 22.6 | pass |
| 11N20 | 140 | 5700 | Ant 2 | 22.48 | pass |
| 11N20M | 140 | 5700 | Ant 1 | 22.28 | pass |
| 11N20M | 140 | 5700 | Ant 2 | 22.32 | pass |
| 11N40 | 38 | 5190 | Ant 1 | 41.04 | pass |
| 11N40 | 38 | 5190 | Ant 2 | 40.98 | pass |



| | | | | | |
|---------|-----|------|-------|-------|------|
| 11N40M | 38 | 5190 | Ant 1 | 40.44 | pass |
| 11N40M | 38 | 5190 | Ant 2 | 40.38 | pass |
| 11N40 | 46 | 5230 | Ant 1 | 40.78 | pass |
| 11N40 | 46 | 5230 | Ant 2 | 40.98 | pass |
| 11N40M | 46 | 5230 | Ant 1 | 40.56 | pass |
| 11N40M | 46 | 5230 | Ant 2 | 40.92 | pass |
| 11N40 | 54 | 5270 | Ant 1 | 40.92 | pass |
| 11N40 | 54 | 5270 | Ant 2 | 41.28 | pass |
| 11N40M | 54 | 5270 | Ant 1 | 40.5 | pass |
| 11N40M | 54 | 5270 | Ant 2 | 40.44 | pass |
| 11N40 | 62 | 5310 | Ant 1 | 40.68 | pass |
| 11N40 | 62 | 5310 | Ant 2 | 41.3 | pass |
| 11N40M | 62 | 5310 | Ant 1 | 40.52 | pass |
| 11N40M | 62 | 5310 | Ant 2 | 40.88 | pass |
| 11N40 | 102 | 5510 | Ant 1 | 40.96 | pass |
| 11N40 | 102 | 5510 | Ant 2 | 40.74 | pass |
| 11N40M | 102 | 5510 | Ant 1 | 40.5 | pass |
| 11N40M | 102 | 5510 | Ant 2 | 40.68 | pass |
| 11N40 | 134 | 5670 | Ant 1 | 40.38 | pass |
| 11N40 | 134 | 5670 | Ant 2 | 41.18 | pass |
| 11N40M | 134 | 5670 | Ant 1 | 40.86 | pass |
| 11N40M | 134 | 5670 | Ant 2 | 41.02 | pass |
| 11AC20 | 36 | 5180 | Ant 1 | 22.42 | pass |
| 11AC20 | 36 | 5180 | Ant 2 | 22.14 | pass |
| 11AC20M | 36 | 5180 | Ant 1 | 22.34 | pass |
| 11AC20M | 36 | 5180 | Ant 2 | 22.26 | pass |
| 11AC20 | 48 | 5240 | Ant 1 | 22.36 | pass |
| 11AC20 | 48 | 5240 | Ant 2 | 22.52 | pass |
| 11AC20M | 48 | 5240 | Ant 1 | 22.42 | pass |
| 11AC20M | 48 | 5240 | Ant 2 | 22.54 | pass |
| 11AC20 | 52 | 5260 | Ant 1 | 22.6 | pass |
| 11AC20 | 52 | 5260 | Ant 2 | 22.5 | pass |
| 11AC20M | 52 | 5260 | Ant 1 | 22.4 | pass |
| 11AC20M | 52 | 5260 | Ant 2 | 22.3 | pass |
| 11AC20 | 64 | 5320 | Ant 1 | 22.56 | pass |
| 11AC20 | 64 | 5320 | Ant 2 | 22.36 | pass |
| 11AC20M | 64 | 5320 | Ant 1 | 22.2 | pass |
| 11AC20M | 64 | 5320 | Ant 2 | 22.26 | pass |
| 11AC20 | 100 | 5500 | Ant 1 | 22.46 | pass |
| 11AC20 | 100 | 5500 | Ant 2 | 22.4 | pass |
| 11AC20M | 100 | 5500 | Ant 1 | 22.22 | pass |
| 11AC20M | 100 | 5500 | Ant 2 | 22.18 | pass |
| 11AC20 | 140 | 5700 | Ant 1 | 22.36 | pass |



| | | | | | |
|---------|-----|------|-------|-------|------|
| 11AC20 | 140 | 5700 | Ant 2 | 22.46 | pass |
| 11AC20M | 140 | 5700 | Ant 1 | 22.36 | pass |
| 11AC20M | 140 | 5700 | Ant 2 | 22.42 | pass |
| 11AC40 | 38 | 5190 | Ant 1 | 41.18 | pass |
| 11AC40 | 38 | 5190 | Ant 2 | 41.34 | pass |
| 11AC40M | 38 | 5190 | Ant 1 | 40.96 | pass |
| 11AC40M | 38 | 5190 | Ant 2 | 40.9 | pass |
| 11AC40 | 46 | 5230 | Ant 1 | 41.12 | pass |
| 11AC40 | 46 | 5230 | Ant 2 | 41.12 | pass |
| 11AC40M | 46 | 5230 | Ant 1 | 40.54 | pass |
| 11AC40M | 46 | 5230 | Ant 2 | 40.50 | pass |
| 11AC40 | 54 | 5270 | Ant 1 | 40.42 | pass |
| 11AC40 | 54 | 5270 | Ant 2 | 41.44 | pass |
| 11AC40M | 54 | 5270 | Ant 1 | 40.82 | pass |
| 11AC40M | 54 | 5270 | Ant 2 | 40.82 | pass |
| 11AC40 | 62 | 5310 | Ant 1 | 40.82 | pass |
| 11AC40 | 62 | 5310 | Ant 2 | 40.9 | pass |
| 11AC40M | 62 | 5310 | Ant 1 | 40.94 | pass |
| 11AC40M | 62 | 5310 | Ant 2 | 40.56 | pass |
| 11AC40 | 102 | 5510 | Ant 1 | 41.88 | pass |
| 11AC40 | 102 | 5510 | Ant 2 | 41.04 | pass |
| 11AC40M | 102 | 5510 | Ant 1 | 40.84 | pass |
| 11AC40M | 102 | 5510 | Ant 2 | 40.78 | pass |
| 11AC40 | 134 | 5670 | Ant 1 | 42.88 | pass |
| 11AC40 | 134 | 5670 | Ant 2 | 41.02 | pass |
| 11AC40M | 134 | 5670 | Ant 1 | 41.14 | pass |
| 11AC40M | 134 | 5670 | Ant 2 | 41.74 | pass |
| 11AC80 | 42 | 5210 | Ant 1 | 82.72 | pass |
| 11AC80 | 42 | 5210 | Ant 2 | 83.04 | pass |
| 11AC80 | 58 | 5290 | Ant 1 | 83.25 | pass |
| 11AC80 | 58 | 5290 | Ant 2 | 83.41 | pass |
| 11AC80 | 106 | 5530 | Ant 1 | 83.47 | pass |
| 11AC80 | 106 | 5530 | Ant 2 | 83.15 | pass |
| 11AC80M | 42 | 5210 | Ant 1 | 83.04 | pass |
| 11AC80M | 42 | 5210 | Ant 2 | 82.56 | pass |
| 11AC80M | 58 | 5290 | Ant 1 | 83.2 | pass |
| 11AC80M | 58 | 5290 | Ant 2 | 82.67 | pass |
| 11AC80M | 106 | 5530 | Ant 1 | 83.47 | pass |
| 11AC80M | 106 | 5530 | Ant 2 | 82.45 | pass |



| Test Mode | Test Channel | Frequency[M Hz] | Ant | Occupied Bandwidth [MHz] | Verdict |
|-----------|--------------|-----------------|-------|--------------------------|---------|
| 11A | 36 | 5180 | Ant 1 | 17.4 | pass |
| 11A | 36 | 5180 | Ant 2 | 17.4 | pass |
| 11A | 48 | 5240 | Ant 1 | 17.42 | pass |
| 11A | 48 | 5240 | Ant 2 | 17.4 | pass |
| 11A | 52 | 5260 | Ant 1 | 17.4 | pass |
| 11A | 52 | 5260 | Ant 2 | 17.4 | pass |
| 11A | 64 | 5320 | Ant 1 | 17.42 | pass |
| 11A | 64 | 5320 | Ant 2 | 17.4 | pass |
| 11A | 100 | 5500 | Ant 1 | 17.42 | pass |
| 11A | 100 | 5500 | Ant 2 | 17.46 | pass |
| 11A | 140 | 5700 | Ant 1 | 17.42 | pass |
| 11A | 140 | 5700 | Ant 2 | 17.42 | pass |
| 11N20 | 36 | 5180 | Ant 1 | 18.38 | pass |
| 11N20 | 36 | 5180 | Ant 2 | 18.34 | pass |
| 11N20M | 36 | 5180 | Ant 1 | 18.2 | pass |
| 11N20M | 36 | 5180 | Ant 2 | 18.2 | pass |
| 11N20 | 48 | 5240 | Ant 1 | 18.36 | pass |
| 11N20 | 48 | 5240 | Ant 2 | 18.36 | pass |
| 11N20M | 48 | 5240 | Ant 1 | 18.2 | pass |
| 11N20M | 48 | 5240 | Ant 2 | 18.2 | pass |
| 11N20 | 52 | 5260 | Ant 1 | 18.36 | pass |
| 11N20 | 52 | 5260 | Ant 2 | 18.36 | pass |
| 11N20M | 52 | 5260 | Ant 1 | 18.18 | pass |
| 11N20M | 52 | 5260 | Ant 2 | 18.18 | pass |
| 11N20 | 64 | 5320 | Ant 1 | 18.36 | pass |
| 11N20 | 64 | 5320 | Ant 2 | 18.36 | pass |
| 11N20M | 64 | 5320 | Ant 1 | 18.22 | pass |
| 11N20M | 64 | 5320 | Ant 2 | 18.18 | pass |
| 11N20 | 100 | 5500 | Ant 1 | 18.38 | pass |
| 11N20 | 100 | 5500 | Ant 2 | 18.34 | pass |
| 11N20M | 100 | 5500 | Ant 1 | 18.2 | pass |
| 11N20M | 100 | 5500 | Ant 2 | 18.2 | pass |
| 11N20 | 140 | 5700 | Ant 1 | 18.38 | pass |
| 11N20 | 140 | 5700 | Ant 2 | 18.36 | pass |
| 11N20M | 140 | 5700 | Ant 1 | 18.18 | pass |
| 11N20M | 140 | 5700 | Ant 2 | 18.2 | pass |
| 11N40 | 38 | 5190 | Ant 1 | 36.54 | pass |
| 11N40 | 38 | 5190 | Ant 2 | 36.56 | pass |
| 11N40M | 38 | 5190 | Ant 1 | 36.46 | pass |



| | | | | | |
|---------|-----|------|-------|-------|------|
| 11N40M | 38 | 5190 | Ant 2 | 36.44 | pass |
| 11N40 | 46 | 5230 | Ant 1 | 36.5 | pass |
| 11N40 | 46 | 5230 | Ant 2 | 36.54 | pass |
| 11N40M | 46 | 5230 | Ant 1 | 36.42 | pass |
| 11N40M | 46 | 5230 | Ant 2 | 36.44 | pass |
| 11N40 | 54 | 5270 | Ant 1 | 36.54 | pass |
| 11N40 | 54 | 5270 | Ant 2 | 36.56 | pass |
| 11N40M | 54 | 5270 | Ant 1 | 36.42 | pass |
| 11N40M | 54 | 5270 | Ant 2 | 36.46 | pass |
| 11N40 | 62 | 5310 | Ant 1 | 36.52 | pass |
| 11N40 | 62 | 5310 | Ant 2 | 36.52 | pass |
| 11N40M | 62 | 5310 | Ant 1 | 36.42 | pass |
| 11N40M | 62 | 5310 | Ant 2 | 36.42 | pass |
| 11N40 | 102 | 5510 | Ant 1 | 36.54 | pass |
| 11N40 | 102 | 5510 | Ant 2 | 36.54 | pass |
| 11N40M | 102 | 5510 | Ant 1 | 36.44 | pass |
| 11N40M | 102 | 5510 | Ant 2 | 36.42 | pass |
| 11N40 | 134 | 5670 | Ant 1 | 36.56 | pass |
| 11N40 | 134 | 5670 | Ant 2 | 36.54 | pass |
| 11N40M | 134 | 5670 | Ant 1 | 36.48 | pass |
| 11N40M | 134 | 5670 | Ant 2 | 36.44 | pass |
| 11AC20 | 36 | 5180 | Ant 1 | 18.36 | pass |
| 11AC20 | 36 | 5180 | Ant 2 | 18.36 | pass |
| 11AC20M | 36 | 5180 | Ant 1 | 18.2 | pass |
| 11AC20M | 36 | 5180 | Ant 2 | 18.18 | pass |
| 11AC20 | 48 | 5240 | Ant 1 | 18.36 | pass |
| 11AC20 | 48 | 5240 | Ant 2 | 18.38 | pass |
| 11AC20M | 48 | 5240 | Ant 1 | 18.16 | pass |
| 11AC20M | 48 | 5240 | Ant 2 | 18.2 | pass |
| 11AC20 | 52 | 5260 | Ant 1 | 18.36 | pass |
| 11AC20 | 52 | 5260 | Ant 2 | 18.32 | pass |
| 11AC20M | 52 | 5260 | Ant 1 | 18.18 | pass |
| 11AC20M | 52 | 5260 | Ant 2 | 18.22 | pass |
| 11AC20 | 64 | 5320 | Ant 1 | 18.36 | pass |
| 11AC20 | 64 | 5320 | Ant 2 | 18.36 | pass |
| 11AC20M | 64 | 5320 | Ant 1 | 18.22 | pass |
| 11AC20M | 64 | 5320 | Ant 2 | 18.2 | pass |
| 11AC20 | 100 | 5500 | Ant 1 | 18.38 | pass |
| 11AC20 | 100 | 5500 | Ant 2 | 18.38 | pass |
| 11AC20M | 100 | 5500 | Ant 1 | 18.2 | pass |
| 11AC20M | 100 | 5500 | Ant 2 | 18.2 | pass |
| 11AC20 | 140 | 5700 | Ant 1 | 18.36 | pass |
| 11AC20 | 140 | 5700 | Ant 2 | 18.38 | pass |
| 11AC20M | 140 | 5700 | Ant 1 | 18.18 | pass |
| 11AC20M | 140 | 5700 | Ant 2 | 18.22 | pass |

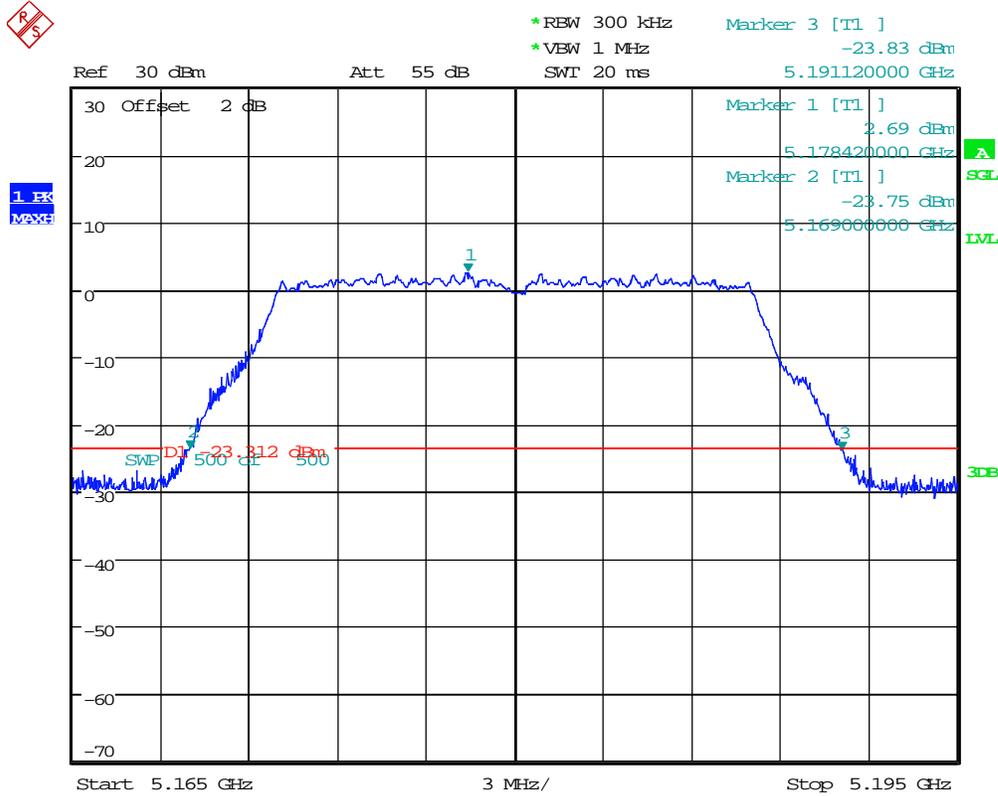


| | | | | | |
|---------|-----|------|-------|-------|------|
| 11AC40 | 38 | 5190 | Ant 1 | 36.56 | pass |
| 11AC40 | 38 | 5190 | Ant 2 | 36.56 | pass |
| 11AC40M | 38 | 5190 | Ant 1 | 36.48 | pass |
| 11AC40M | 38 | 5190 | Ant 2 | 36.46 | pass |
| 11AC40 | 46 | 5230 | Ant 1 | 36.52 | pass |
| 11AC40 | 46 | 5230 | Ant 2 | 36.56 | pass |
| 11AC40M | 46 | 5230 | Ant 1 | 36.44 | pass |
| 11AC40M | 46 | 5230 | Ant 2 | 36.44 | pass |
| 11AC40 | 54 | 5270 | Ant 1 | 36.54 | pass |
| 11AC40 | 54 | 5270 | Ant 2 | 36.58 | pass |
| 11AC40M | 54 | 5270 | Ant 1 | 36.44 | pass |
| 11AC40M | 54 | 5270 | Ant 2 | 36.48 | pass |
| 11AC40 | 62 | 5310 | Ant 1 | 36.56 | pass |
| 11AC40 | 62 | 5310 | Ant 2 | 36.56 | pass |
| 11AC40M | 62 | 5310 | Ant 1 | 36.44 | pass |
| 11AC40M | 62 | 5310 | Ant 2 | 36.42 | pass |
| 11AC40 | 102 | 5510 | Ant 1 | 36.54 | pass |
| 11AC40 | 102 | 5510 | Ant 2 | 36.54 | pass |
| 11AC40M | 102 | 5510 | Ant 1 | 36.44 | pass |
| 11AC40M | 102 | 5510 | Ant 2 | 36.46 | pass |
| 11AC40 | 134 | 5670 | Ant 1 | 36.54 | pass |
| 11AC40 | 134 | 5670 | Ant 2 | 36.56 | pass |
| 11AC40M | 134 | 5670 | Ant 1 | 36.46 | pass |
| 11AC40M | 134 | 5670 | Ant 2 | 36.46 | pass |
| 11AC80 | 42 | 5210 | Ant 1 | 75.88 | pass |
| 11AC80 | 42 | 5210 | Ant 2 | 75.88 | pass |
| 11AC80 | 58 | 5290 | Ant 1 | 76 | pass |
| 11AC80 | 58 | 5290 | Ant 2 | 76.04 | pass |
| 11AC80 | 106 | 5530 | Ant 1 | 76 | pass |
| 11AC80 | 106 | 5530 | Ant 2 | 76.04 | pass |
| 11AC80M | 42 | 5210 | Ant 1 | 75.88 | pass |
| 11AC80M | 42 | 5210 | Ant 2 | 75.96 | pass |
| 11AC80M | 58 | 5290 | Ant 1 | 76 | pass |
| 11AC80M | 58 | 5290 | Ant 2 | 76.2 | pass |
| 11AC80M | 106 | 5530 | Ant 1 | 75.88 | pass |
| 11AC80M | 106 | 5530 | Ant 2 | 76.08 | pass |



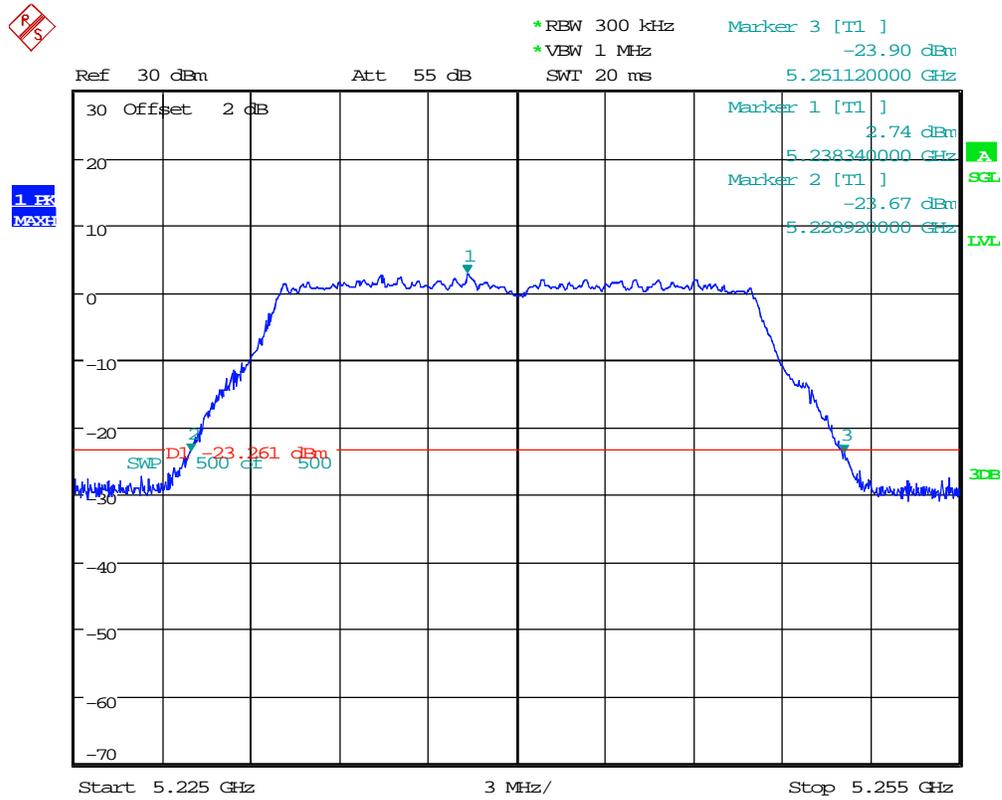
2 Test Plot

2.1 11A_36 Ant 1



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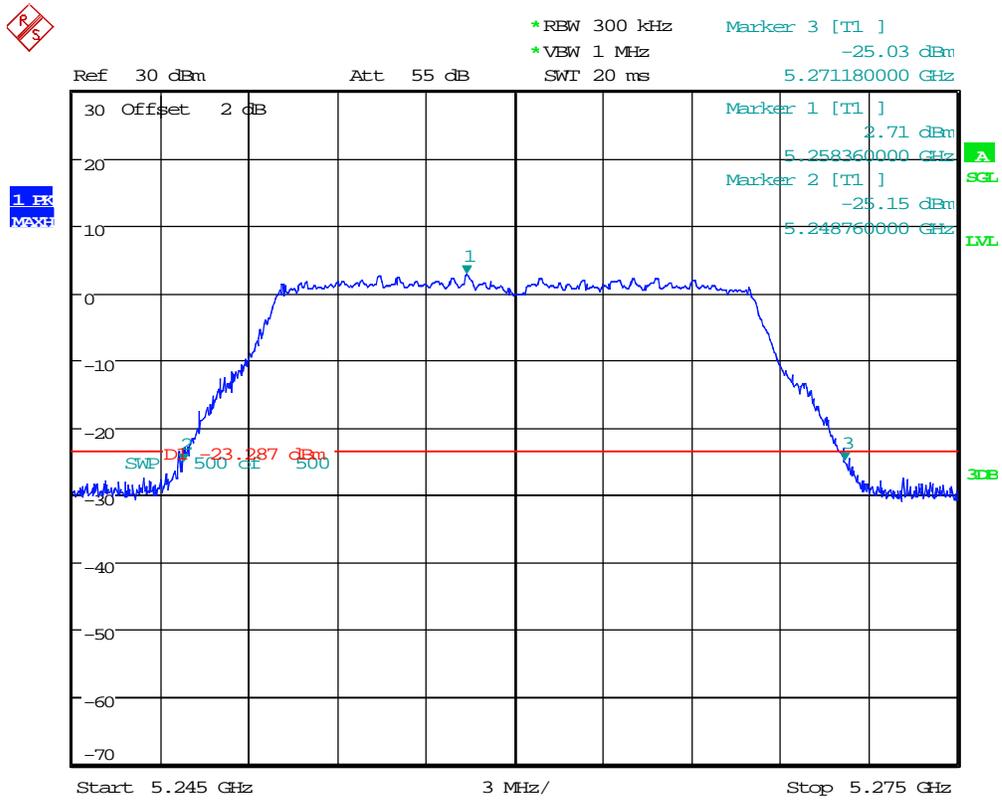
2.4 11A_48 Ant 2



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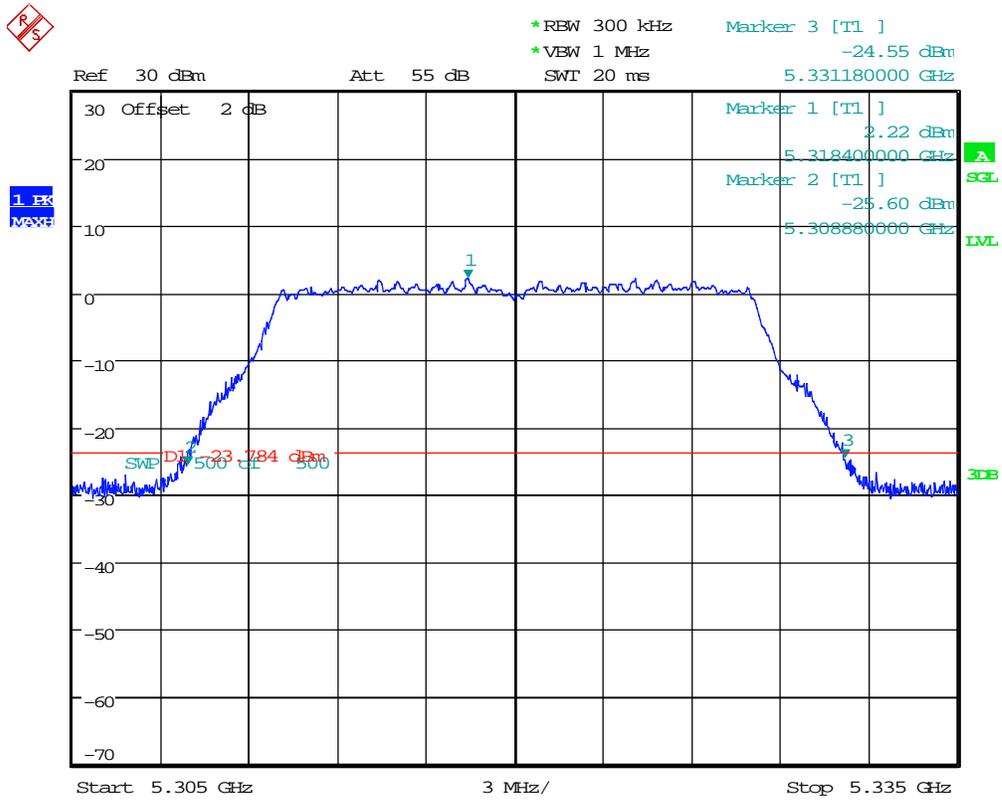


2.5 11A_52 Ant 1



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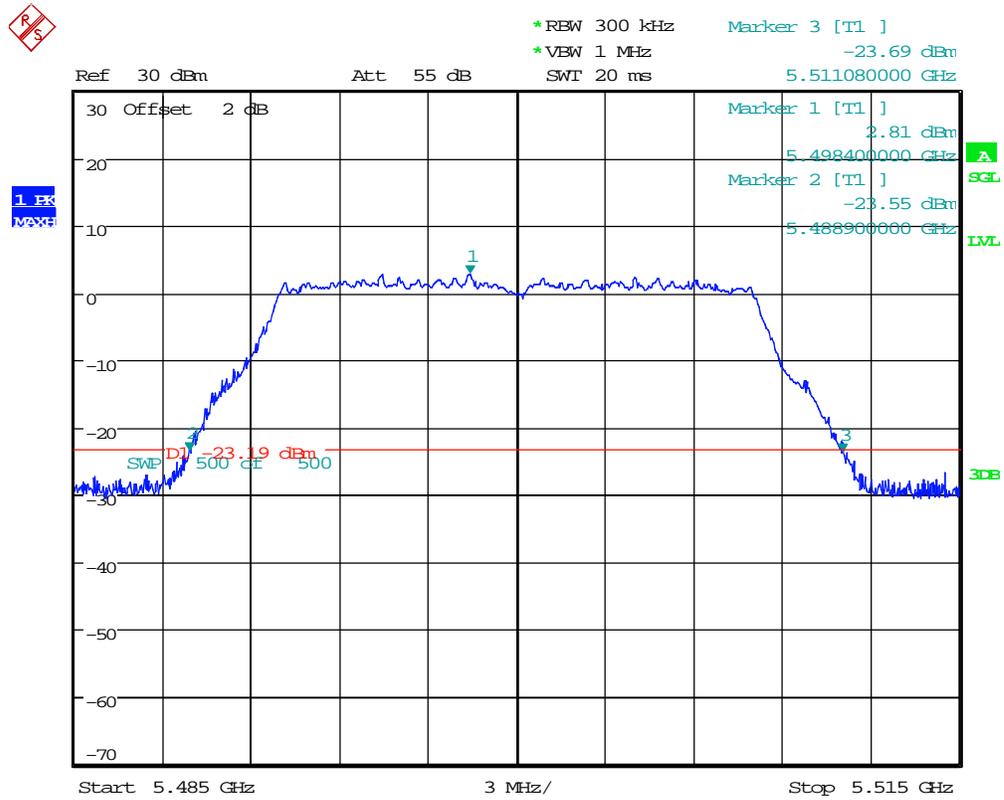
2.8 11A_64 Ant 2



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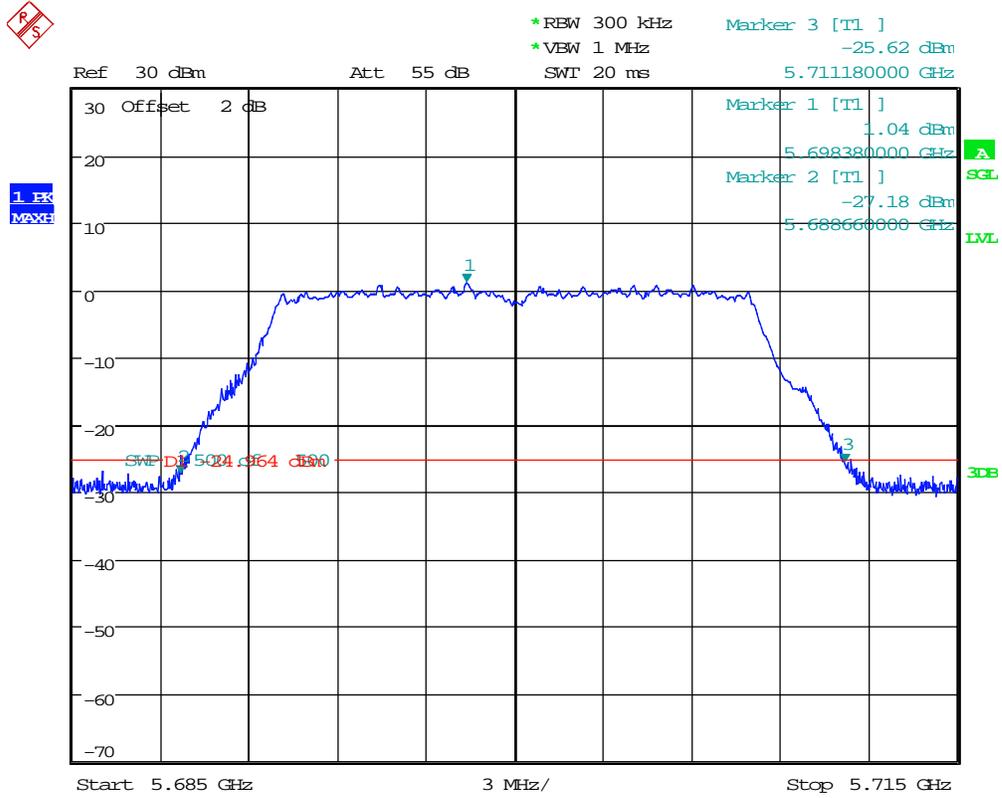
2.10 11A_100 Ant 2



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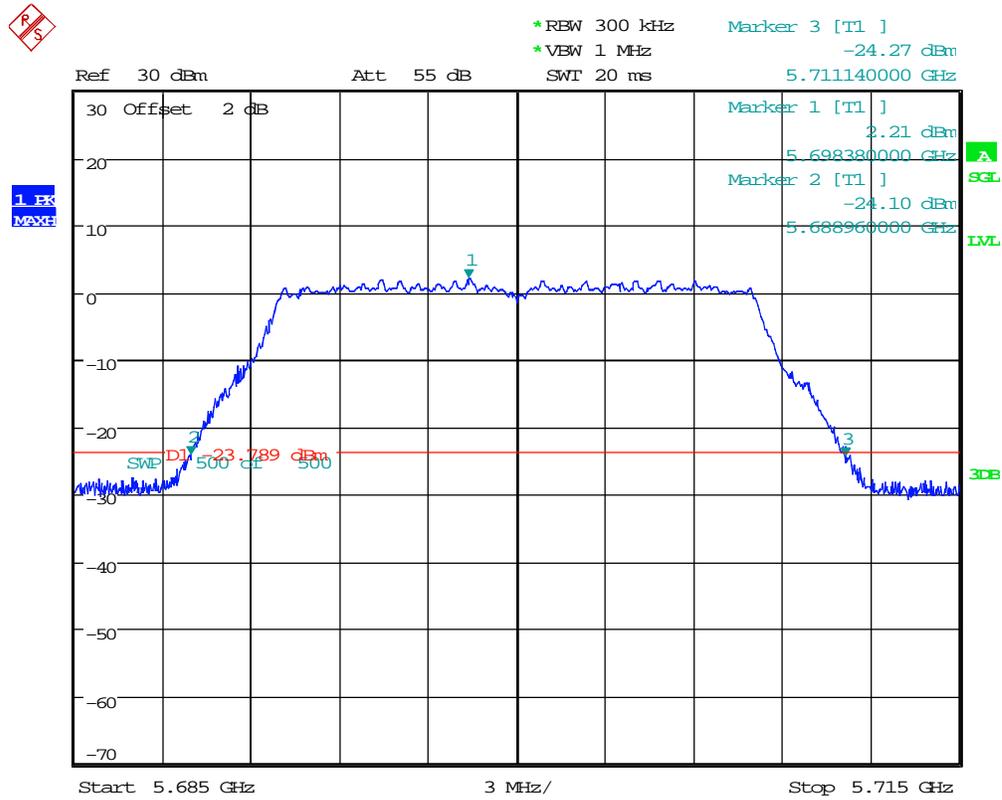


2.11 11A_140 Ant 1



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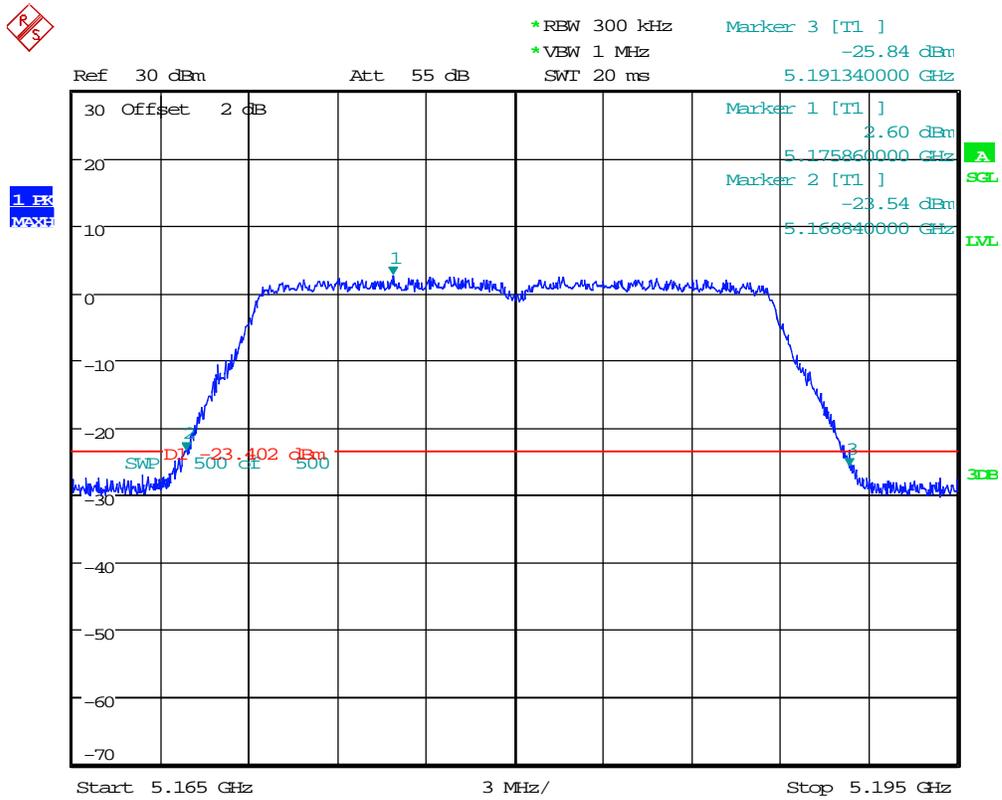
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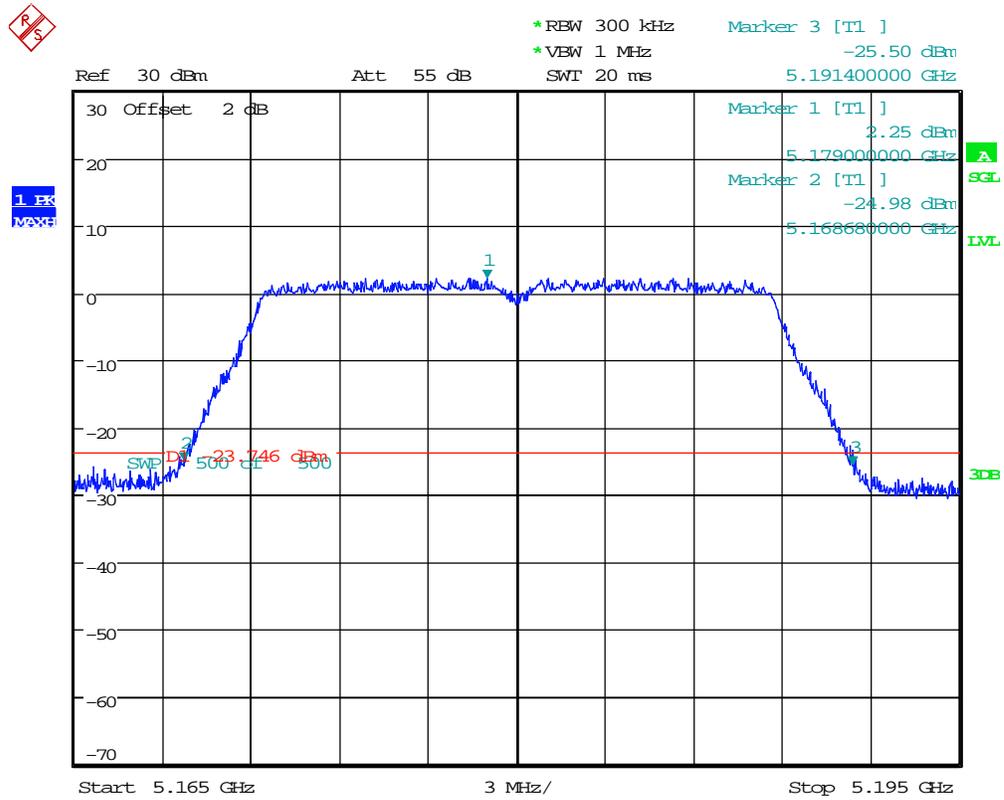
2.13 11N20_36 Ant 1



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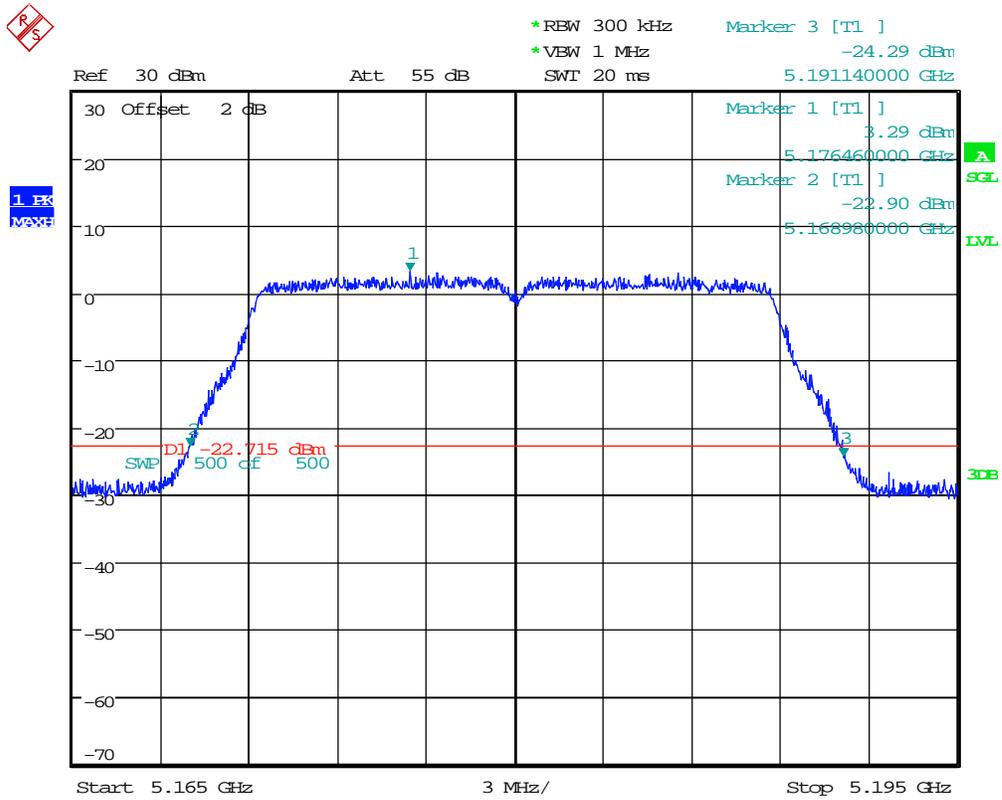


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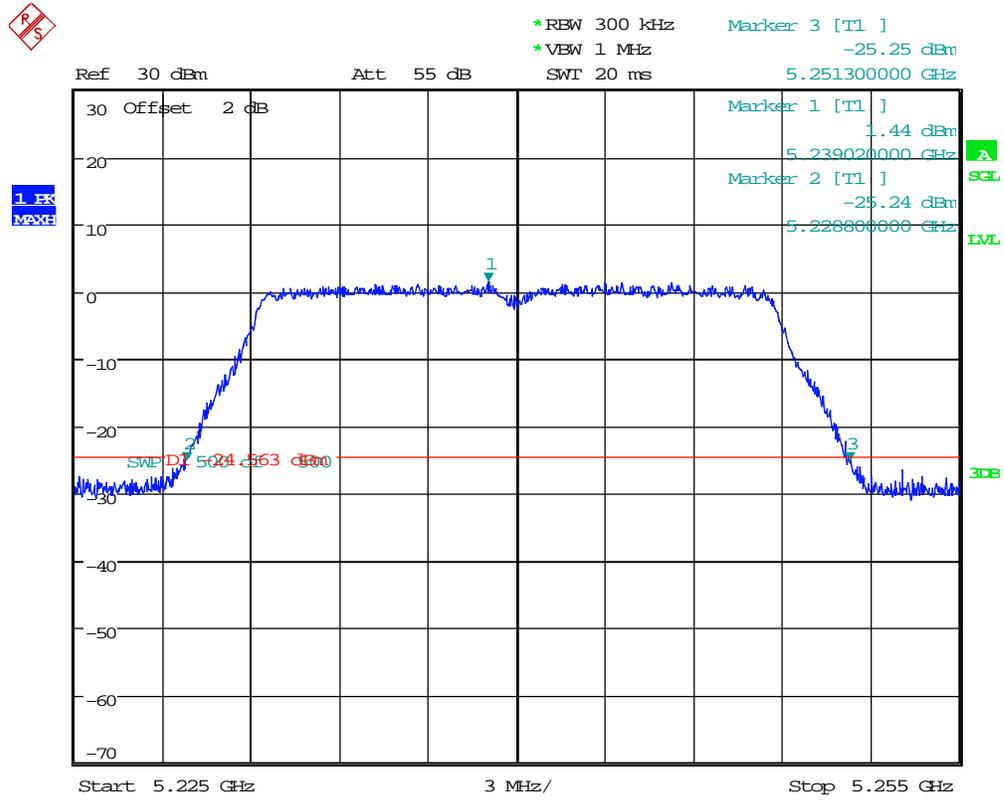
2.16 11N20M_36 Ant 2



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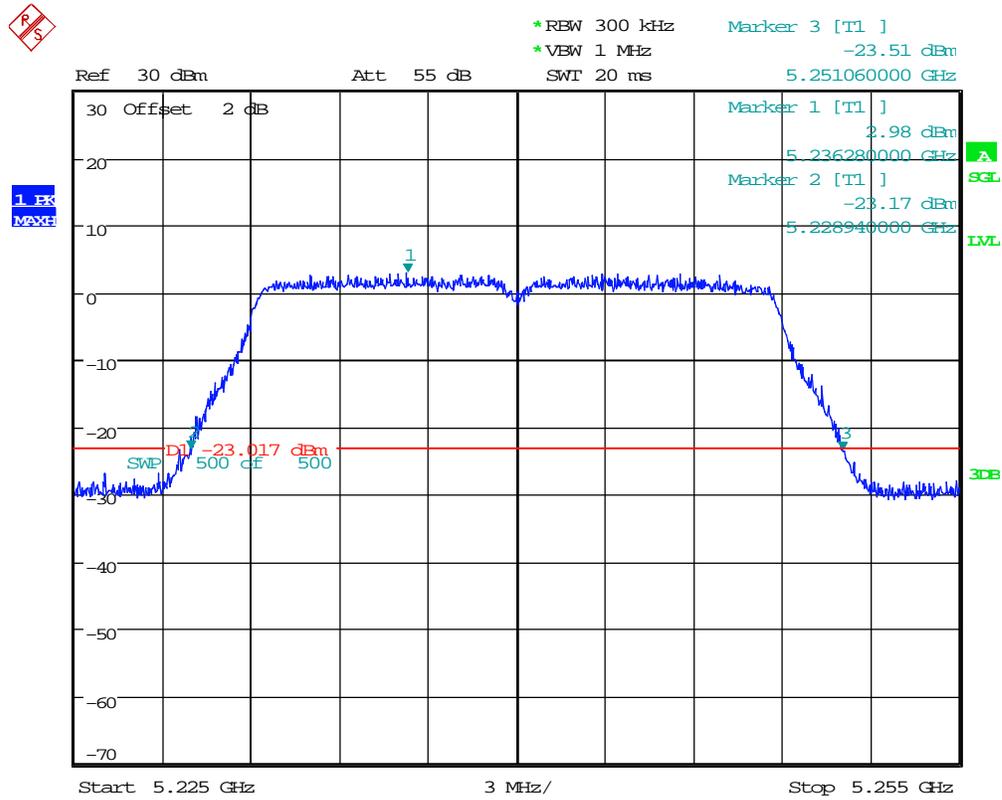


2.18 11N20_48 Ant 2



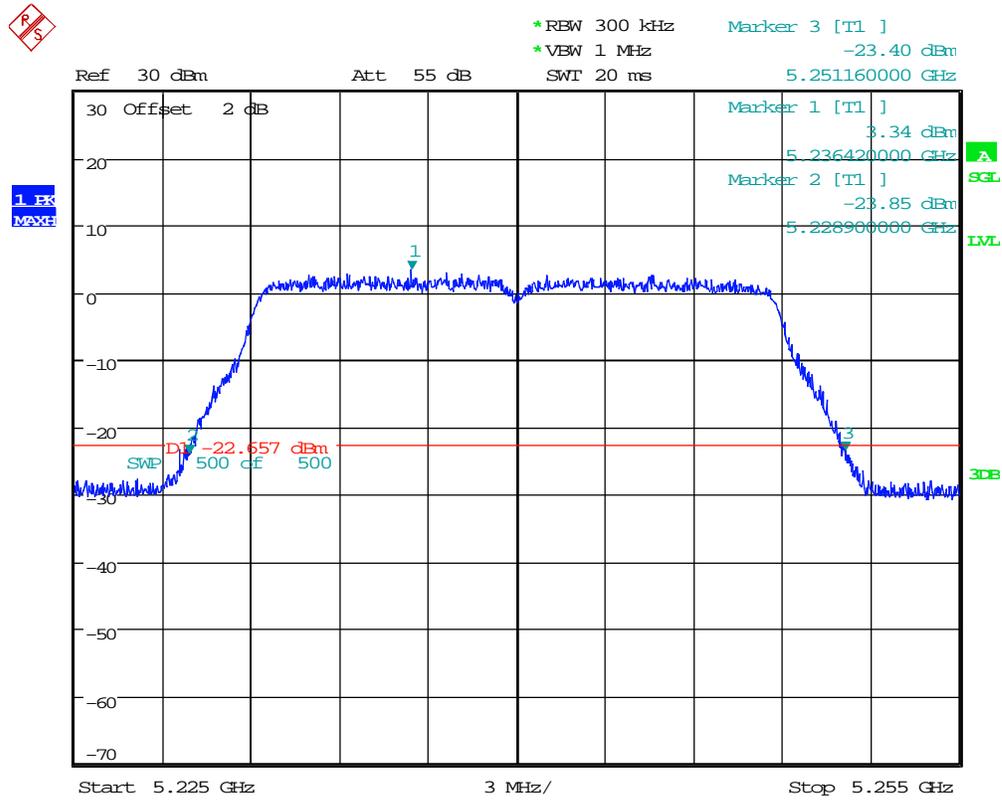
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2.19 11N20M_48 Ant 1



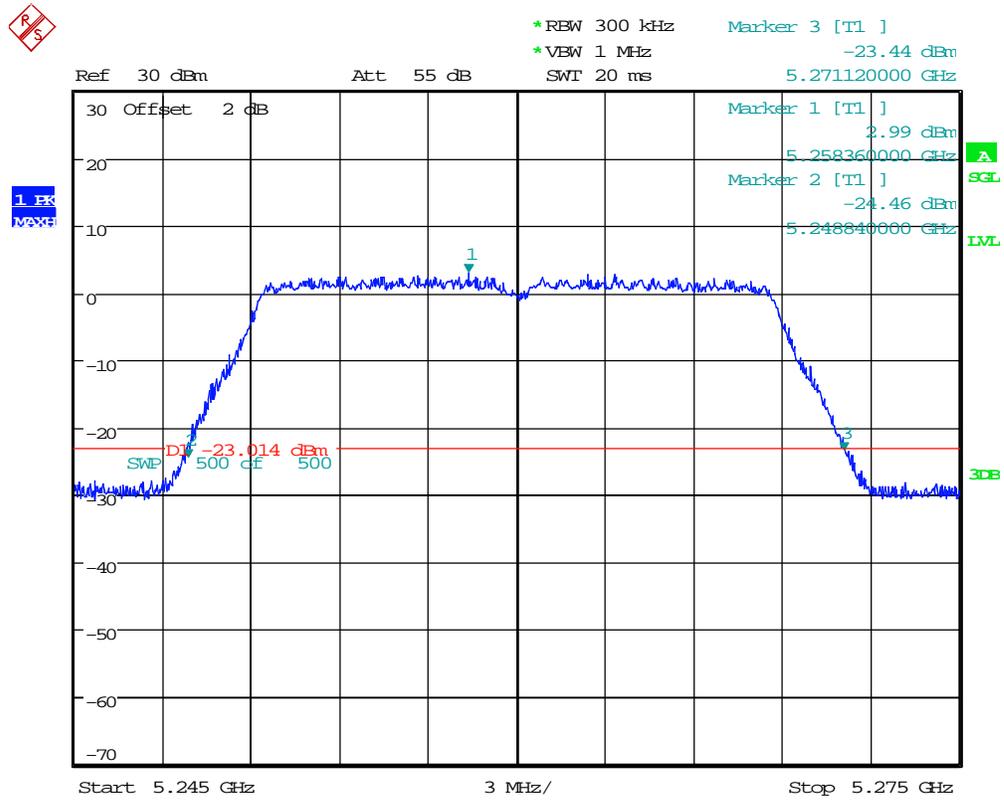
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2.20 11N20M_48 Ant 2



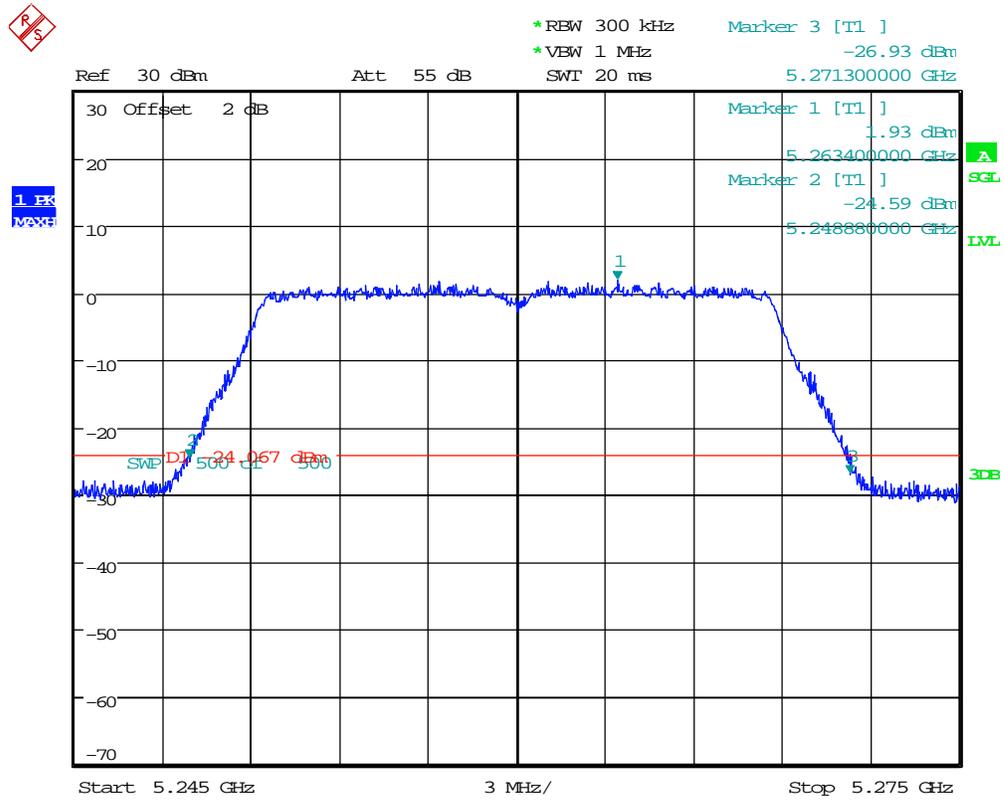
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2.21 11N20_52 Ant 1



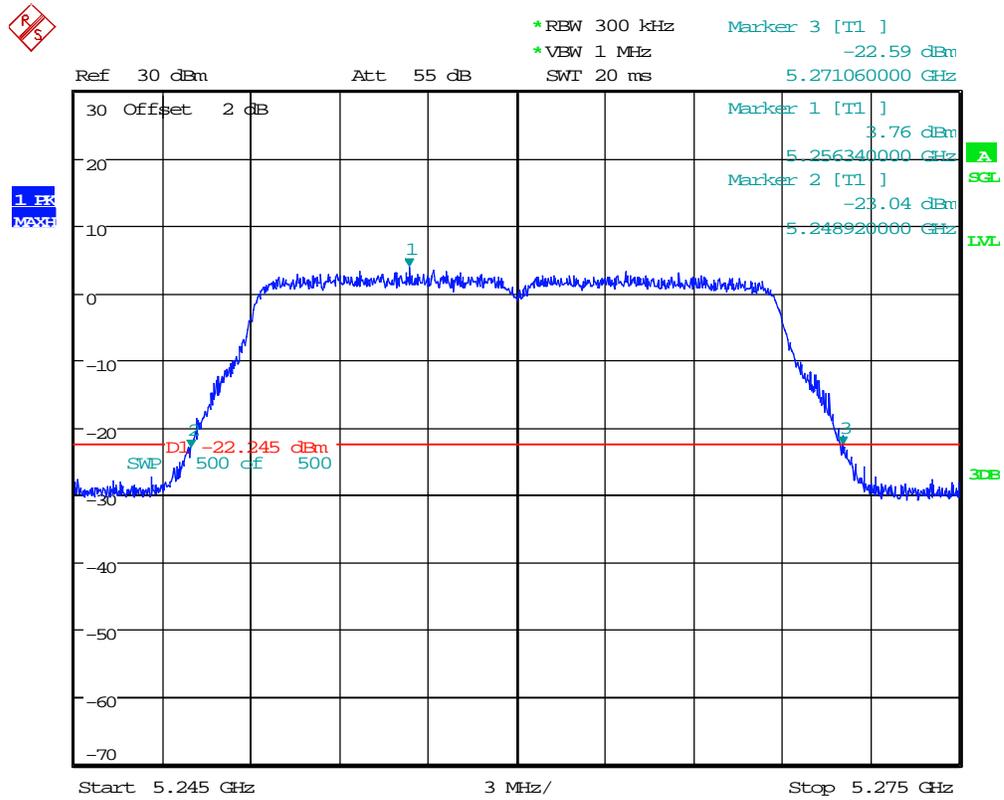
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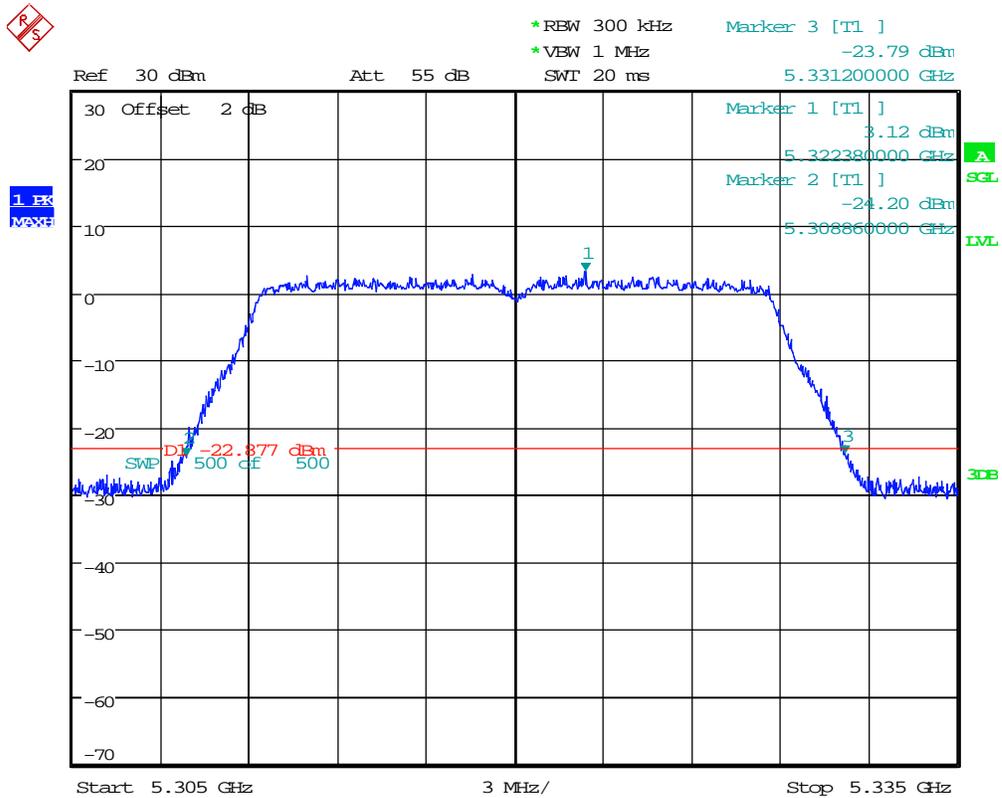
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2.23 11N20M_52 Ant 1



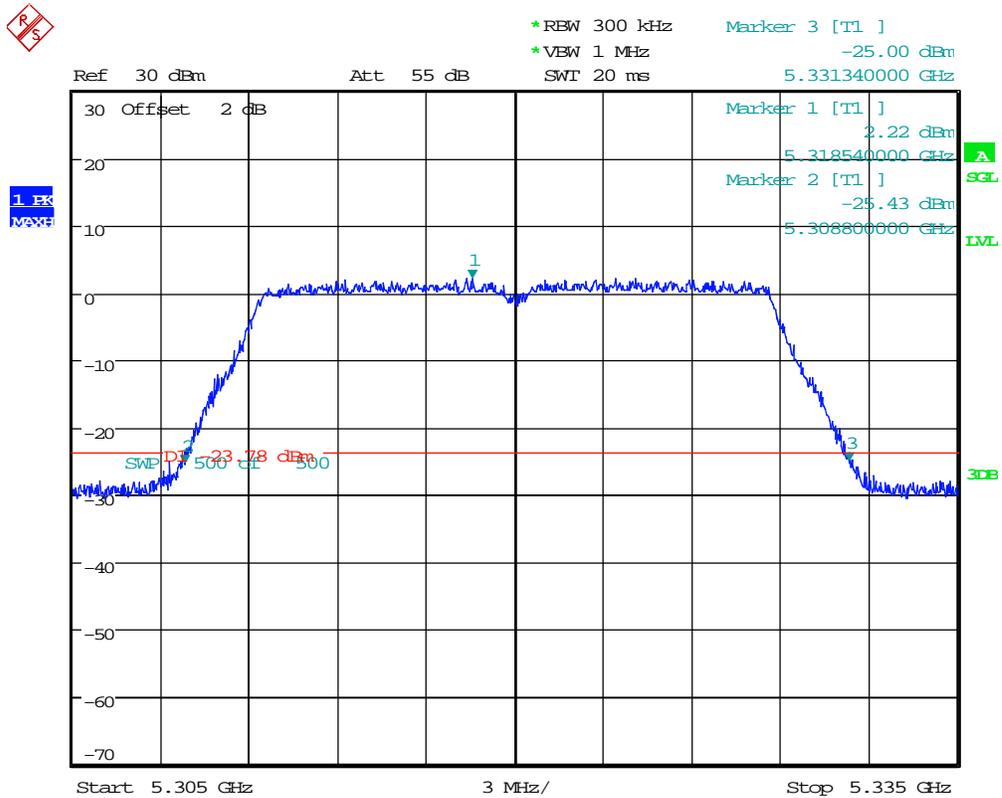
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2.25 11N20_64 Ant 1



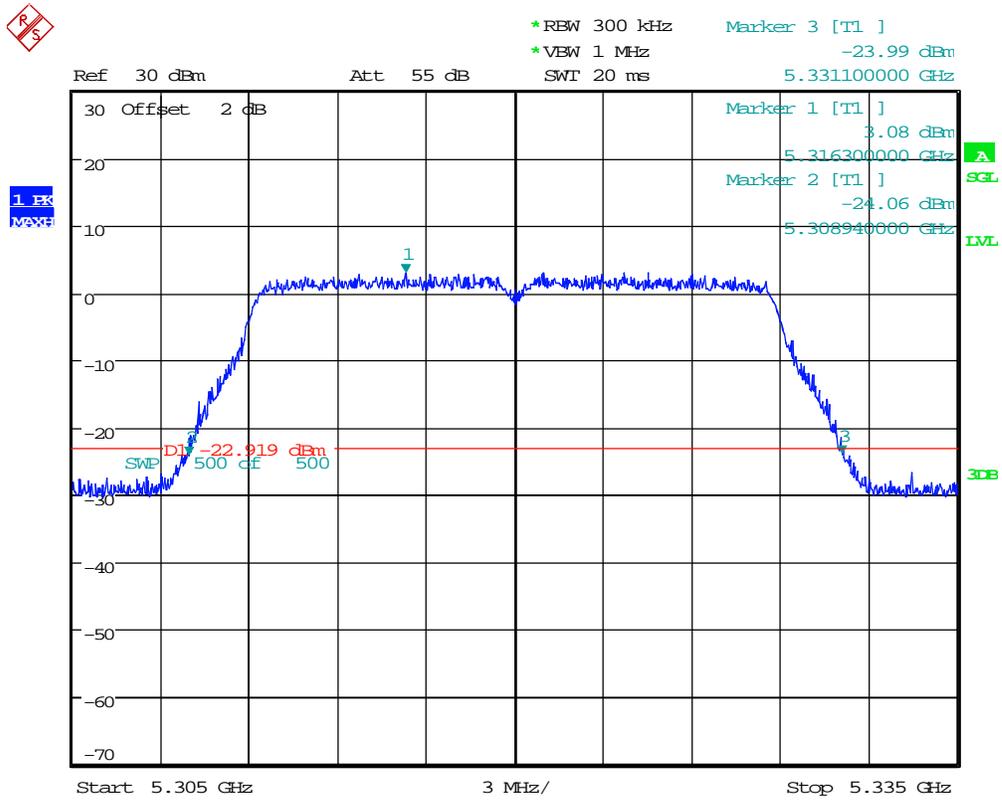
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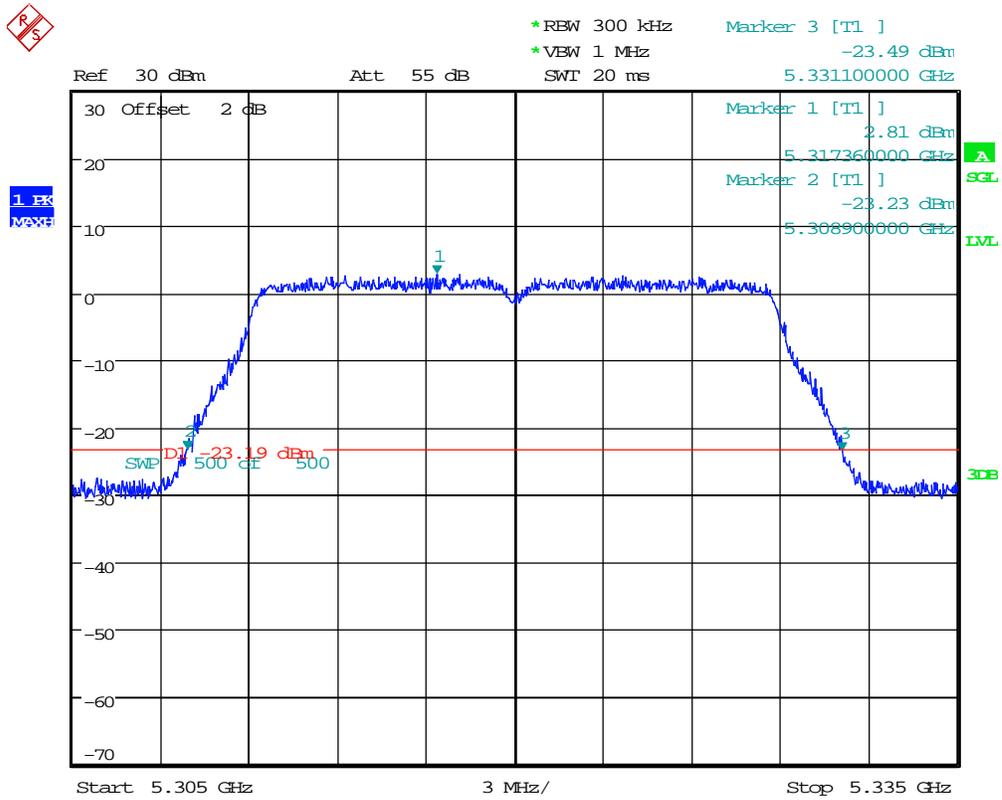
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2.27 11N20M_64 Ant 1



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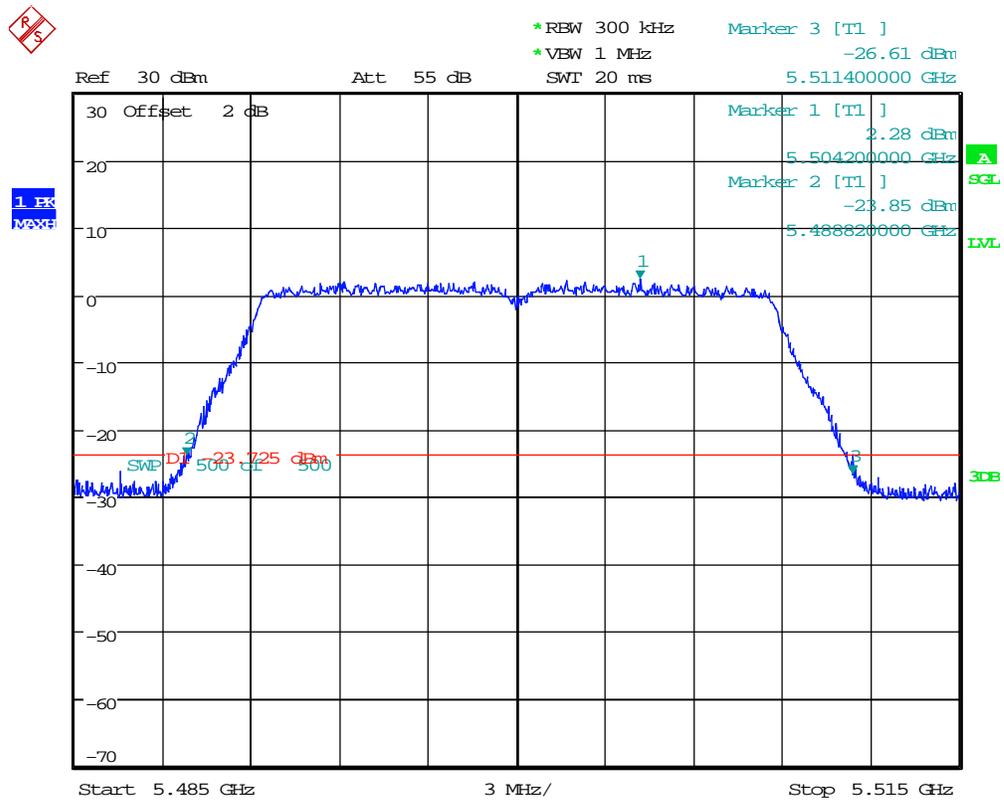
2.28 11N20M_64 Ant 2



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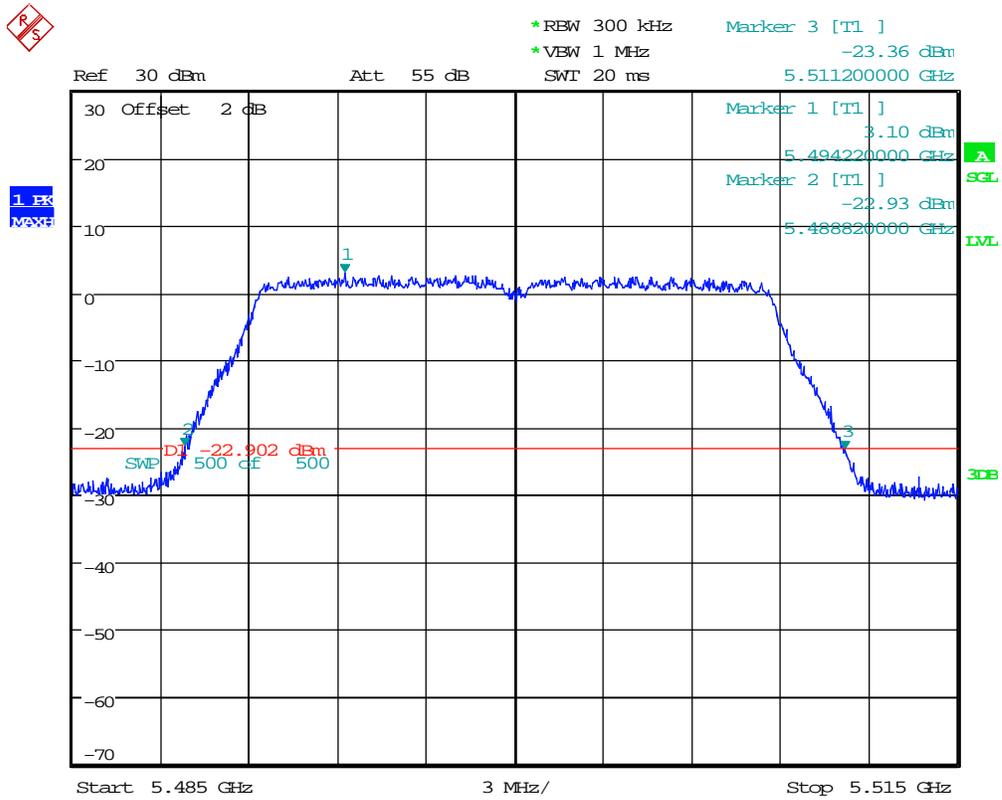


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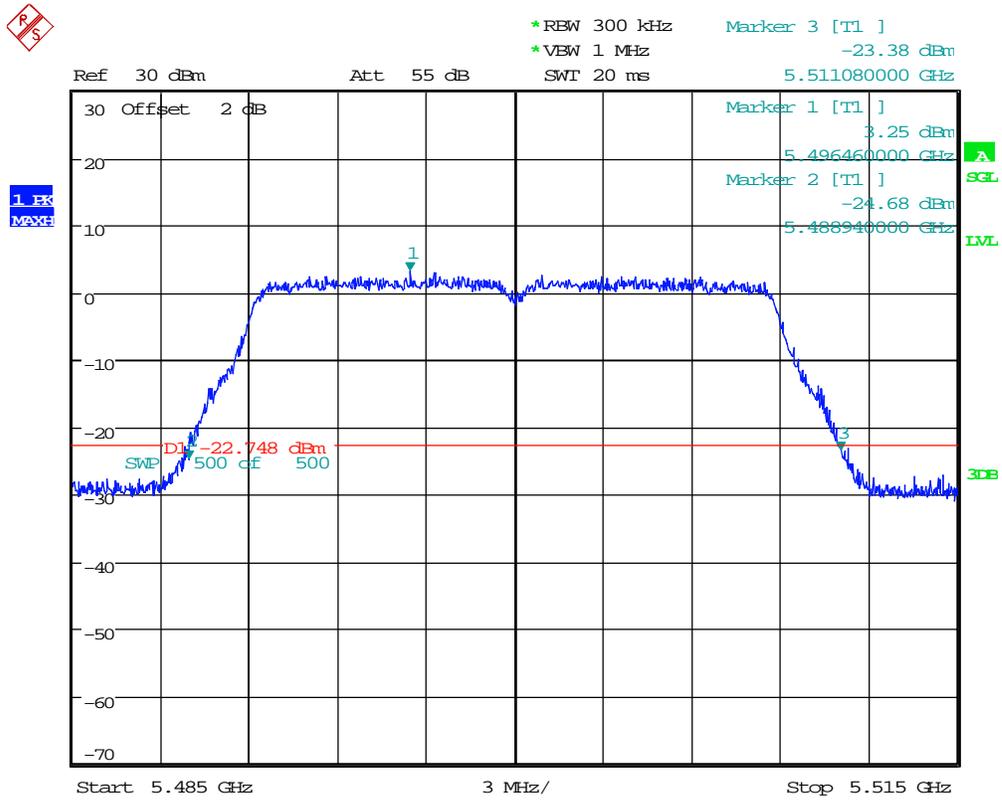
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2.30 11N20_100 Ant 2



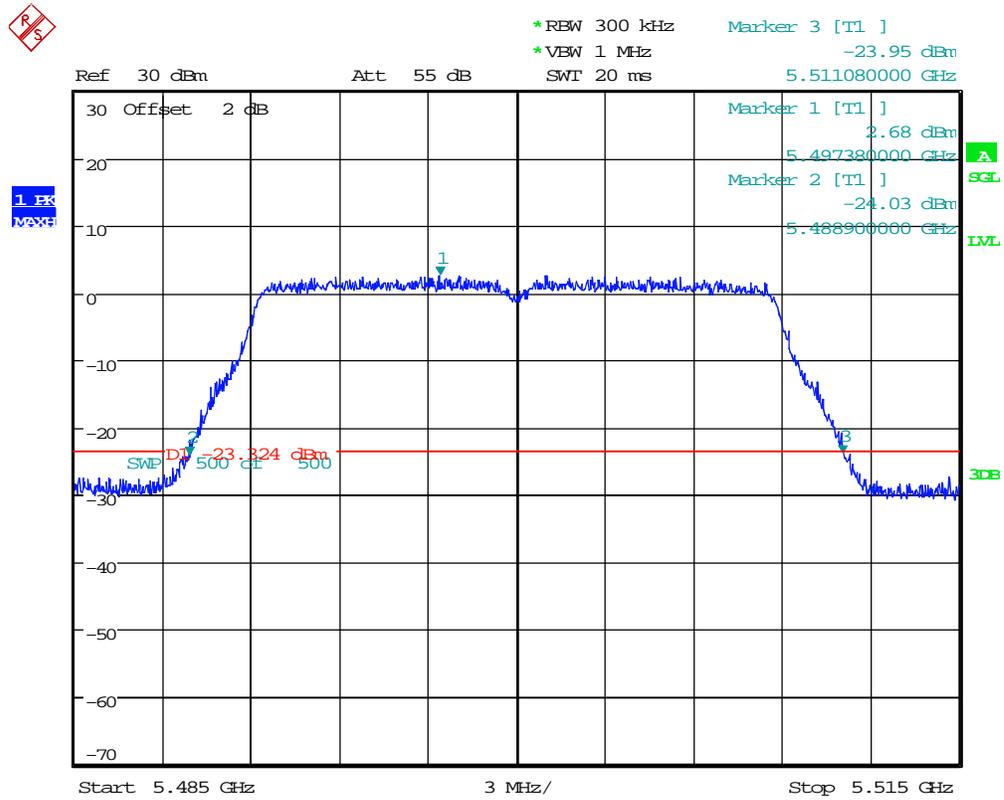
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2.31 11N20M_100 Ant 1



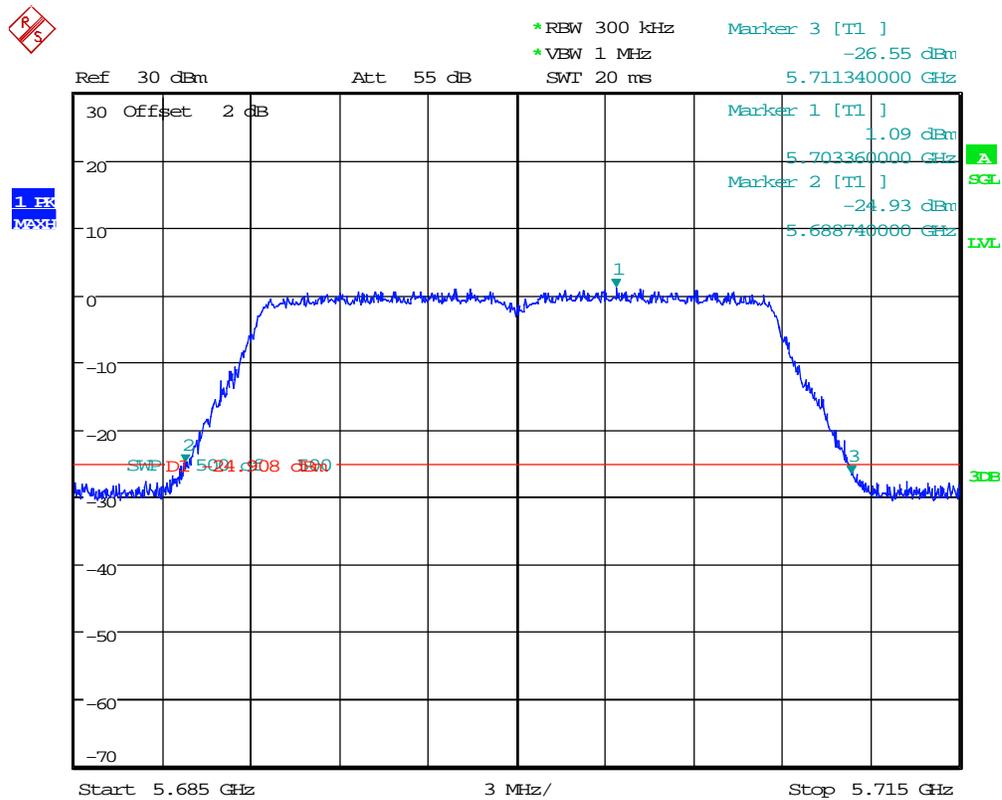
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2.32 11N20M_100 Ant 2



Date: 24.JUN.2015 17:54:32

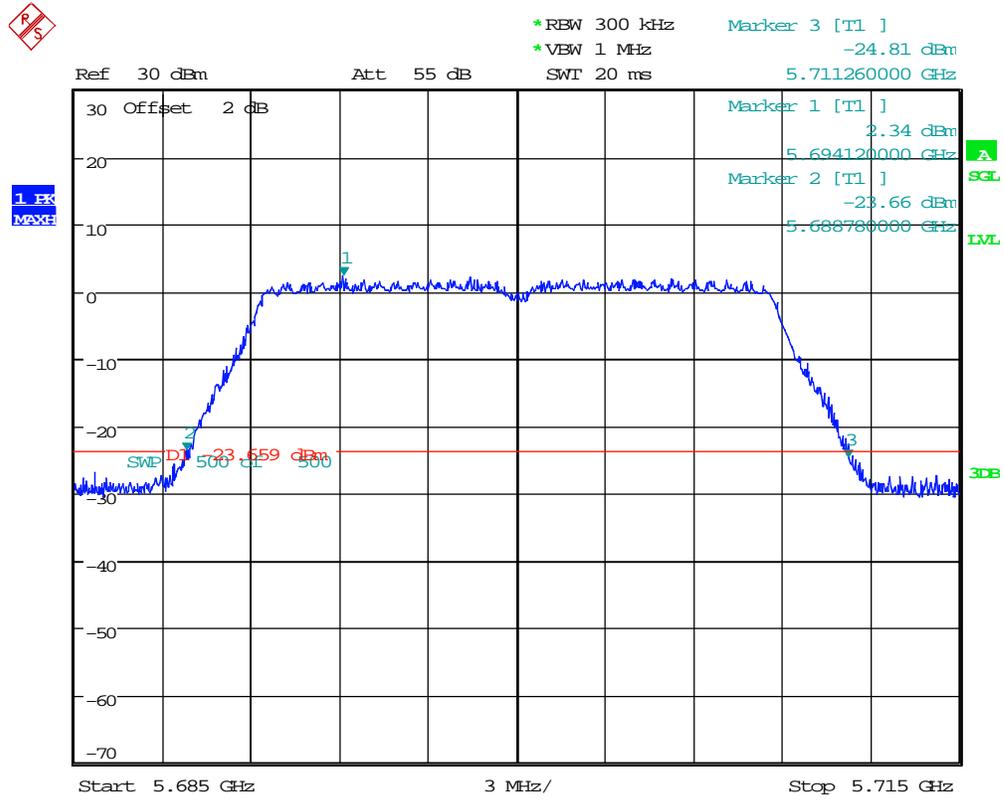
2.33 11N20_140 Ant 1



Date: 24.JUN.2015 17:02:17



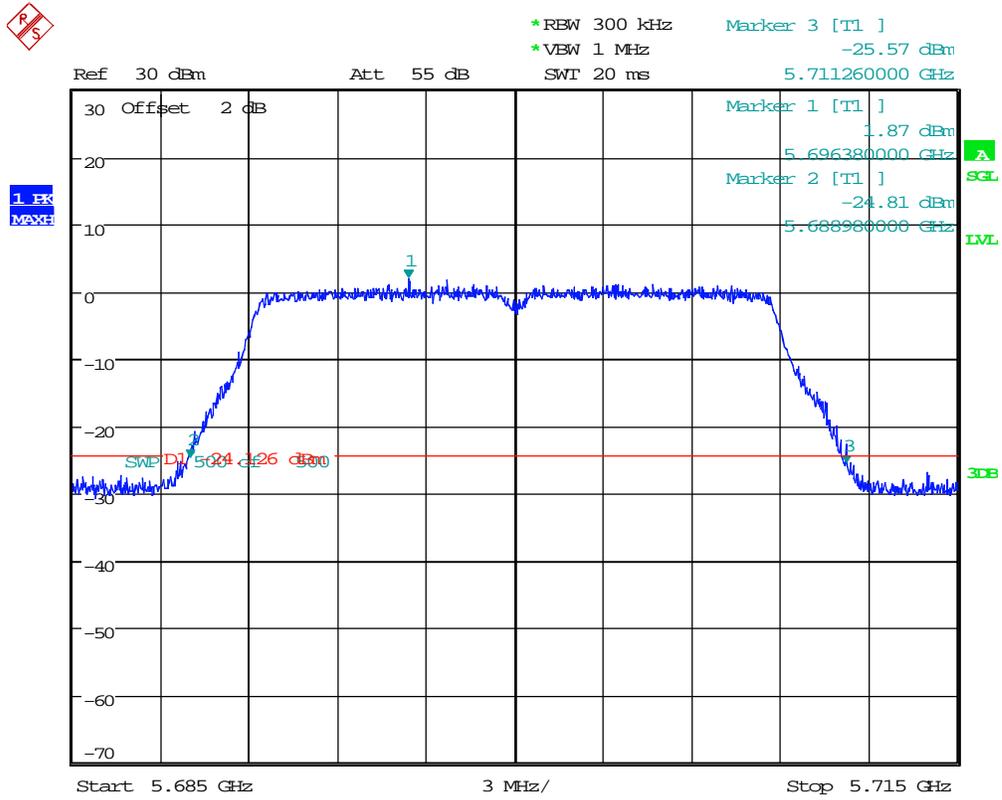
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Date: 24.JUN.2015 17:18:57



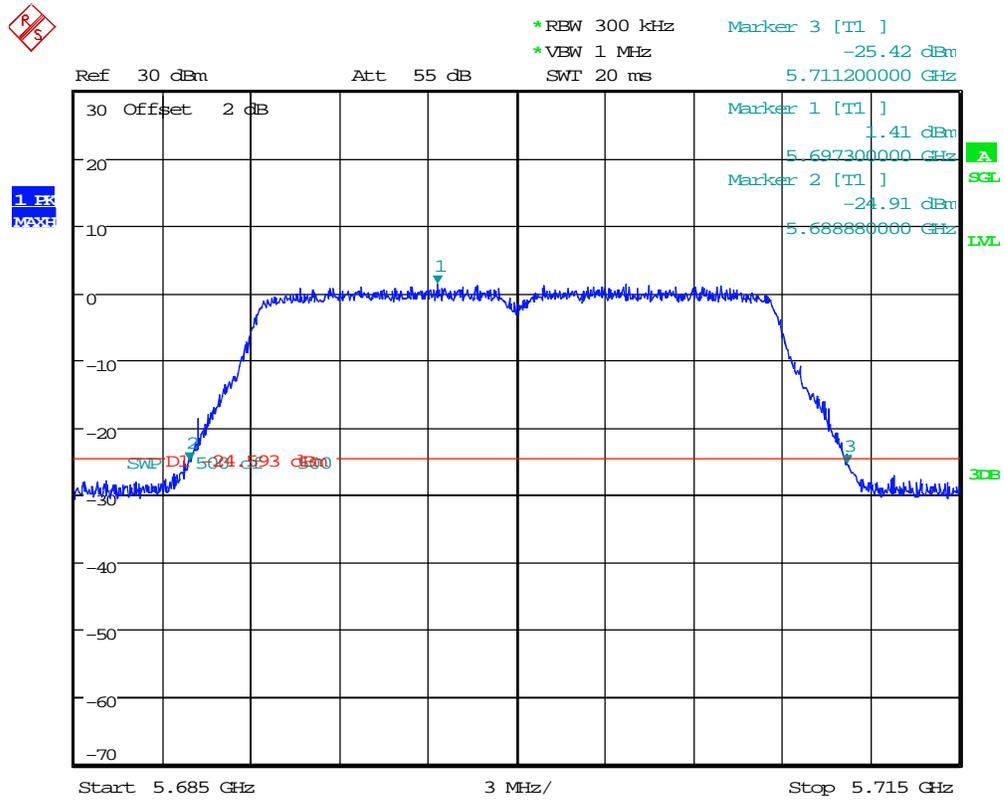
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Date: 24.JUN.2015 17:38:56



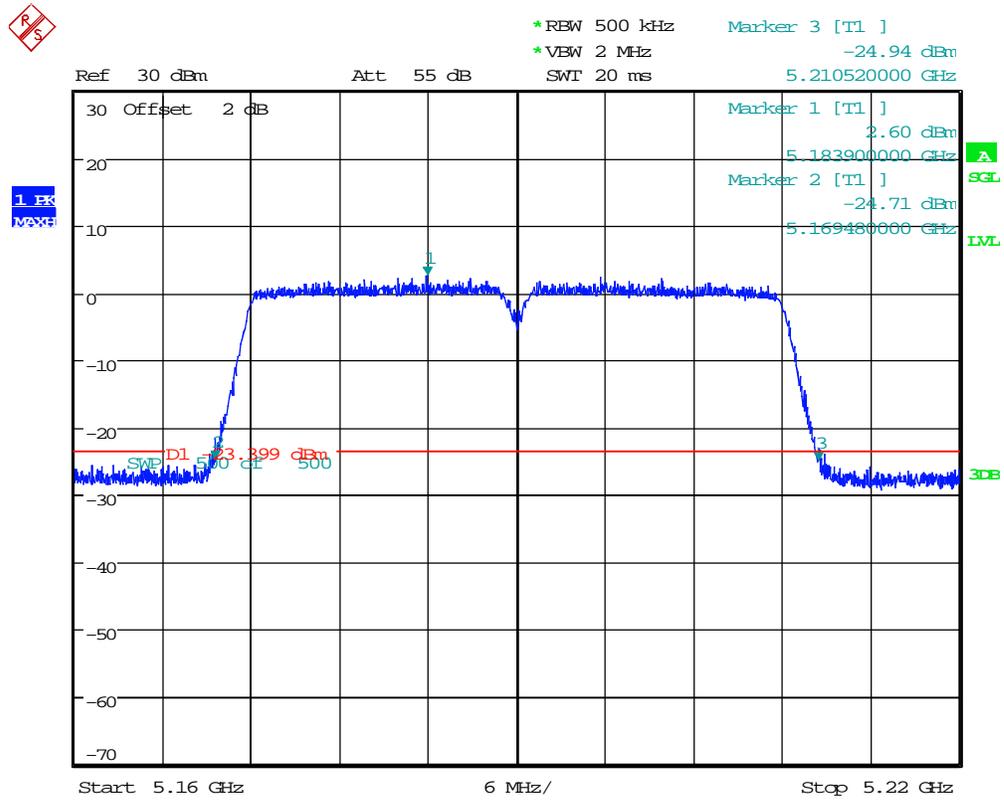
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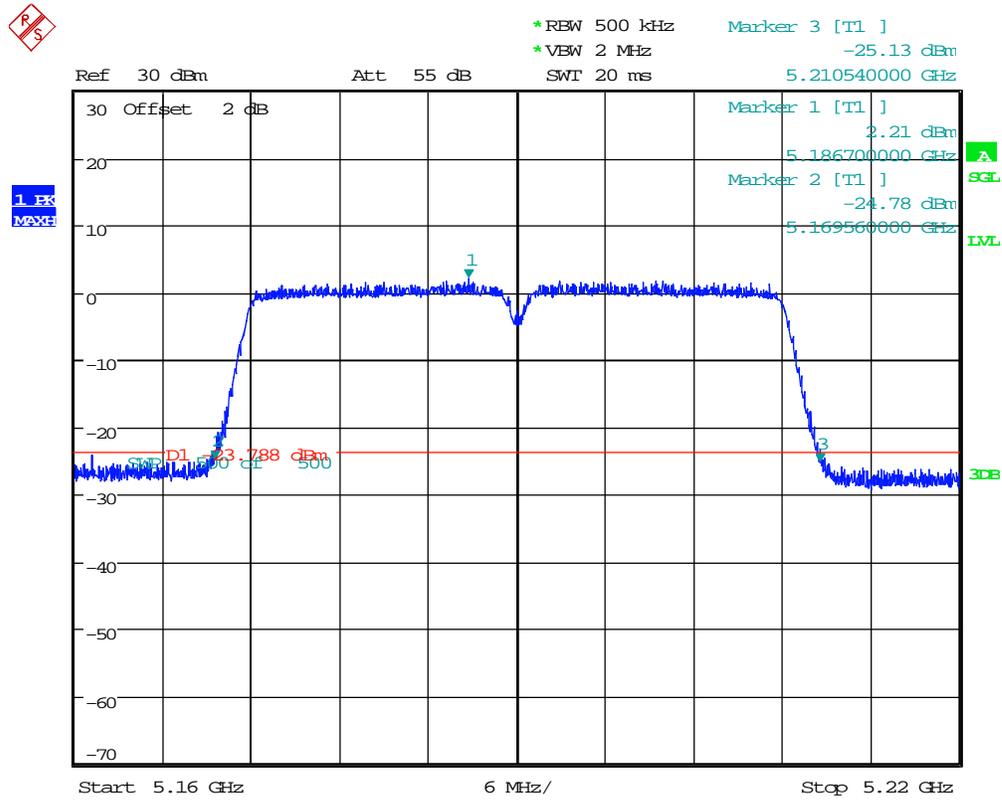


2.37 11N40_38 Ant 1



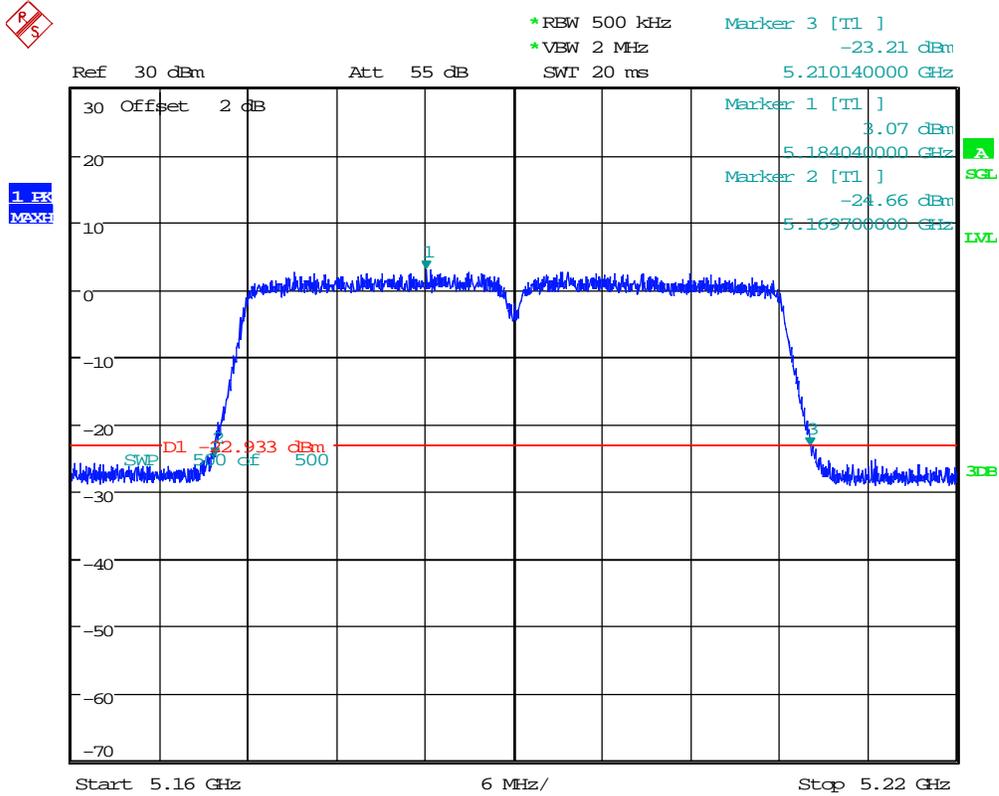
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2.38 11N40_38 Ant 2



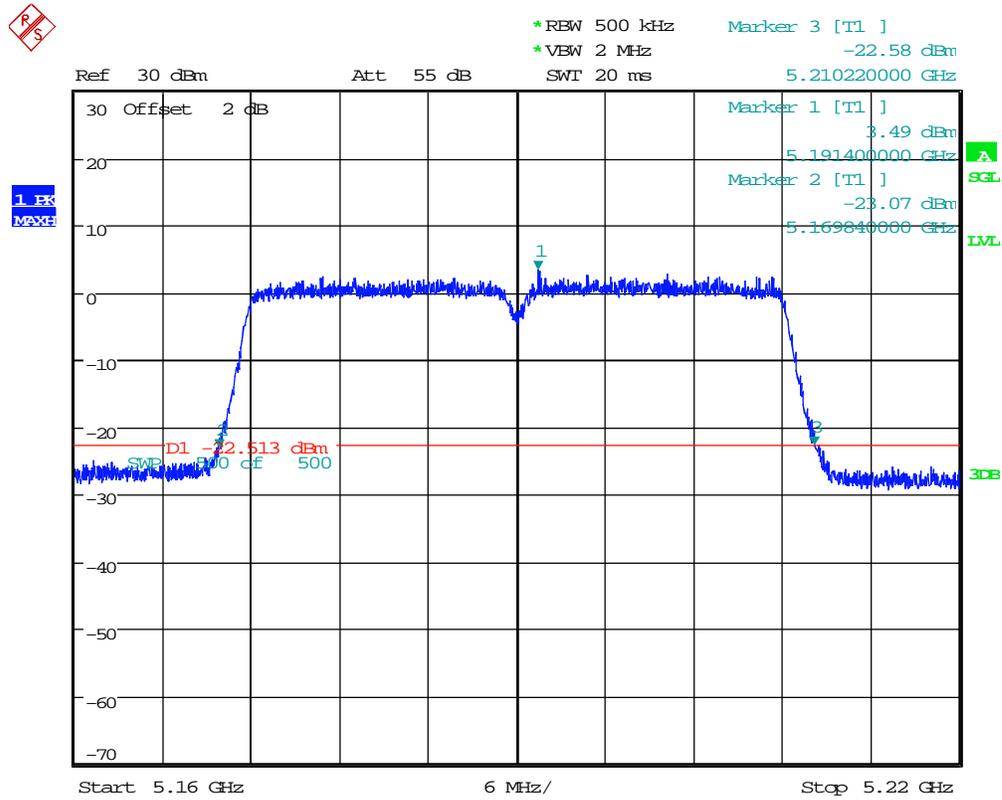
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2.39 11N40M_38 Ant 1



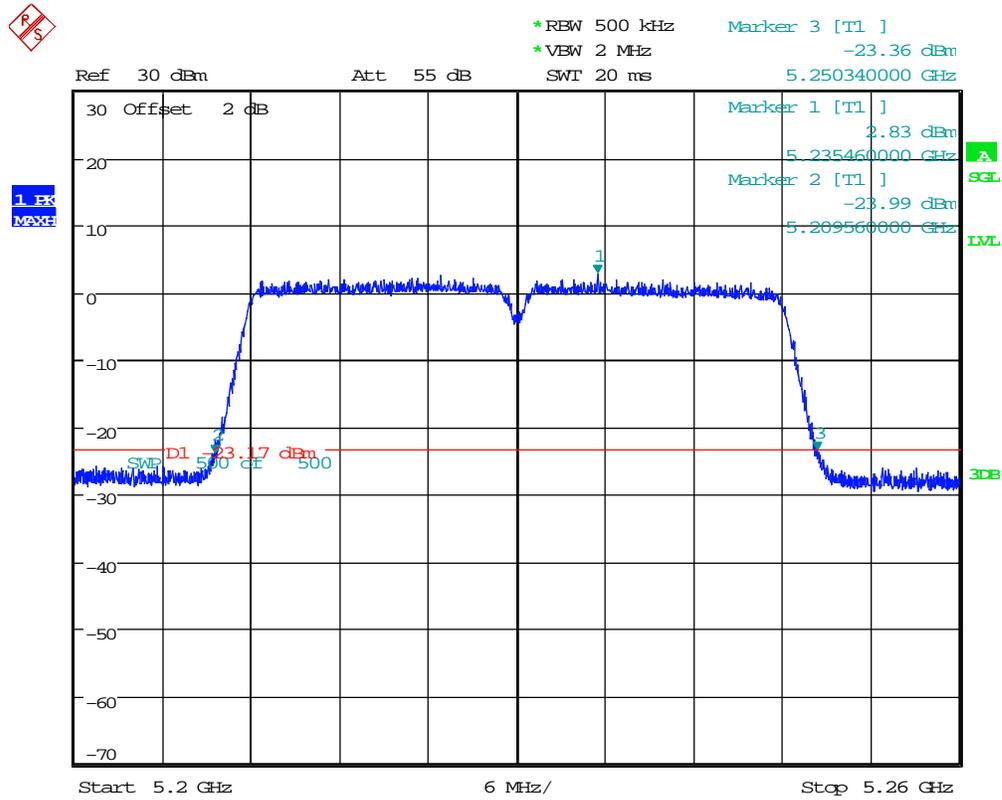
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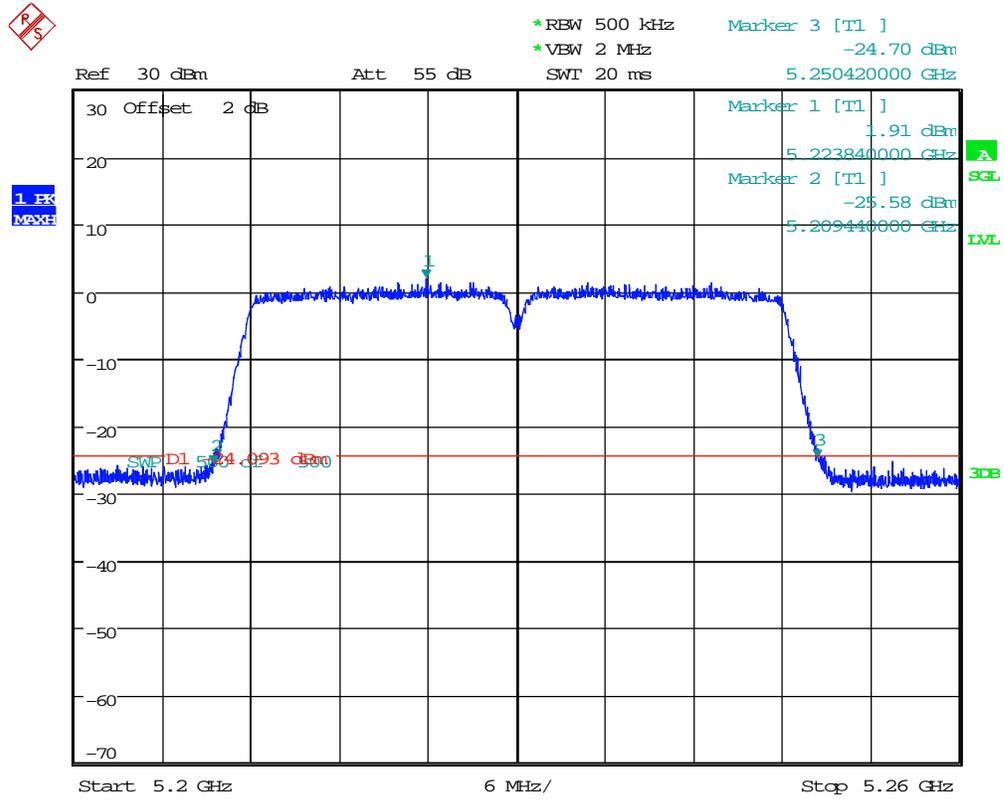
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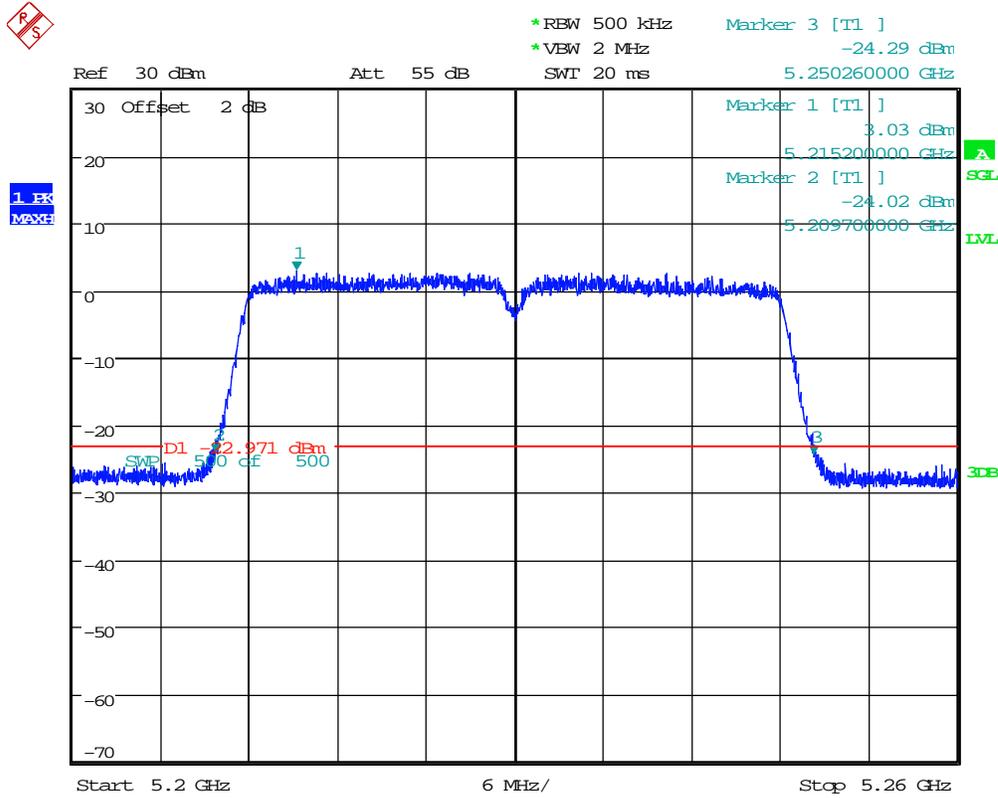


2.42 11N40_46 Ant 2



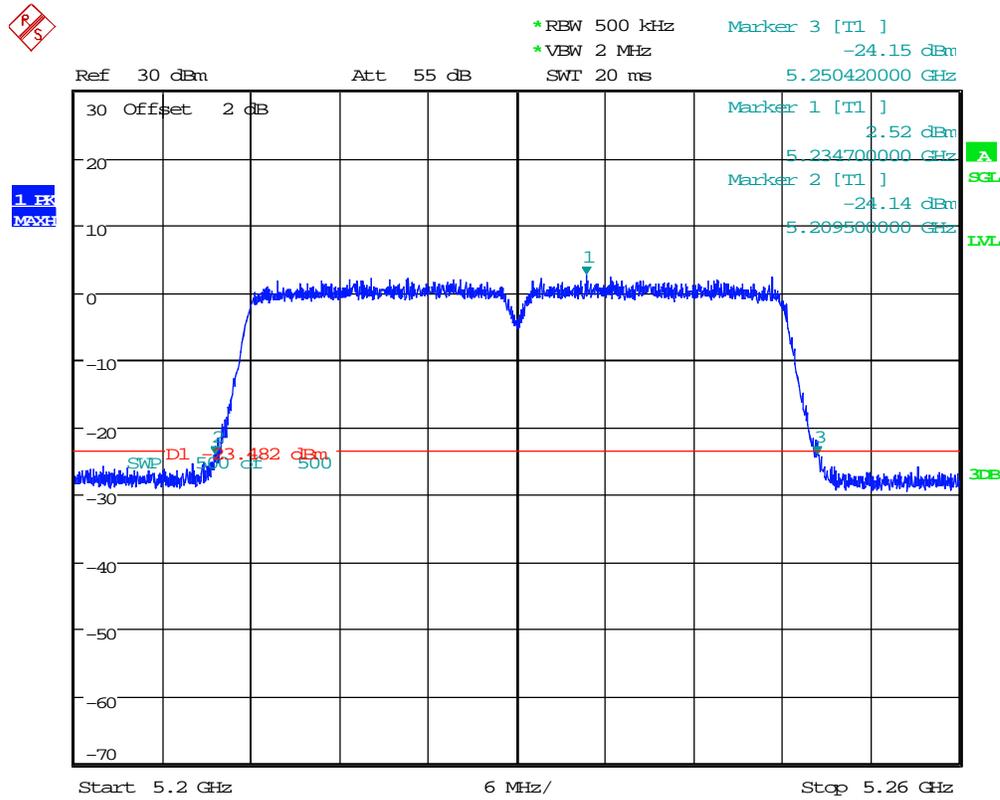
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2.43 11N40M_46 Ant 1



Date: 24.JUN.2015 19:21:00

2.44 11N40M_46 Ant 2



Date: 24.JUN.2015 19:54:23