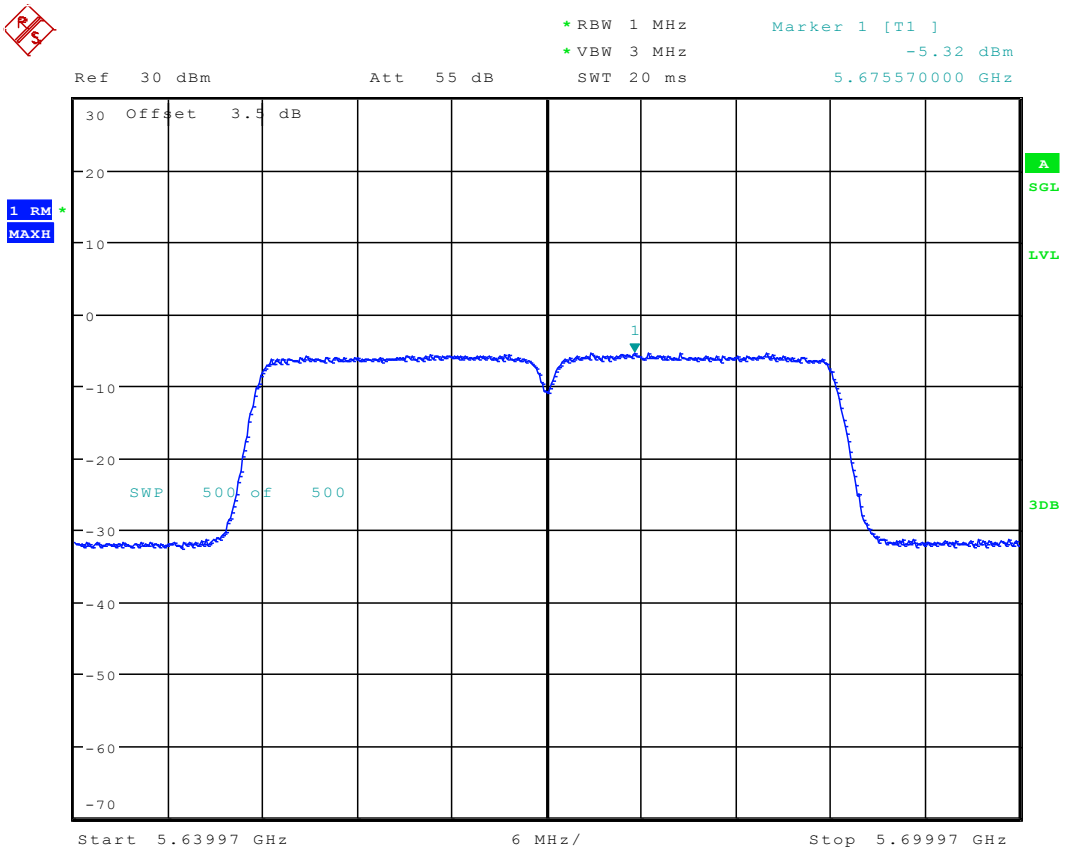
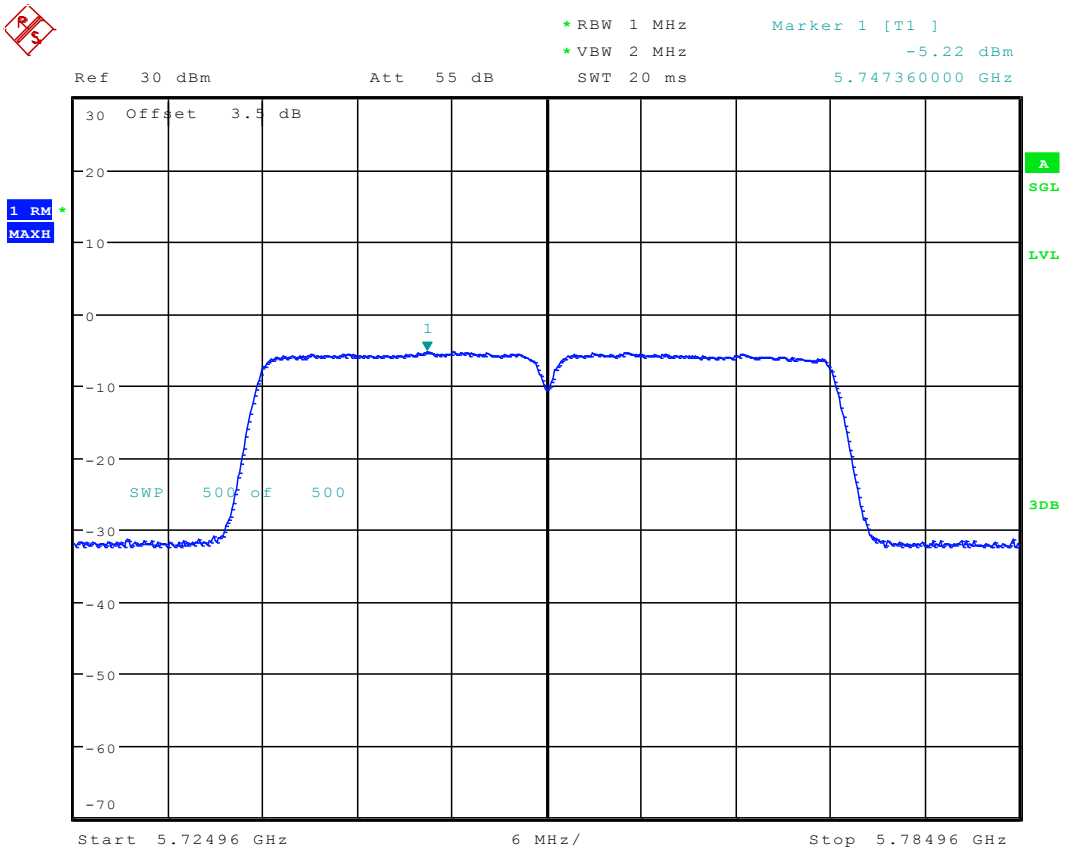
11.76 11N40M_134 Ant 2



Date: 16.MAR.2016 18:08:01

11.77 11N40M_151 Ant 1



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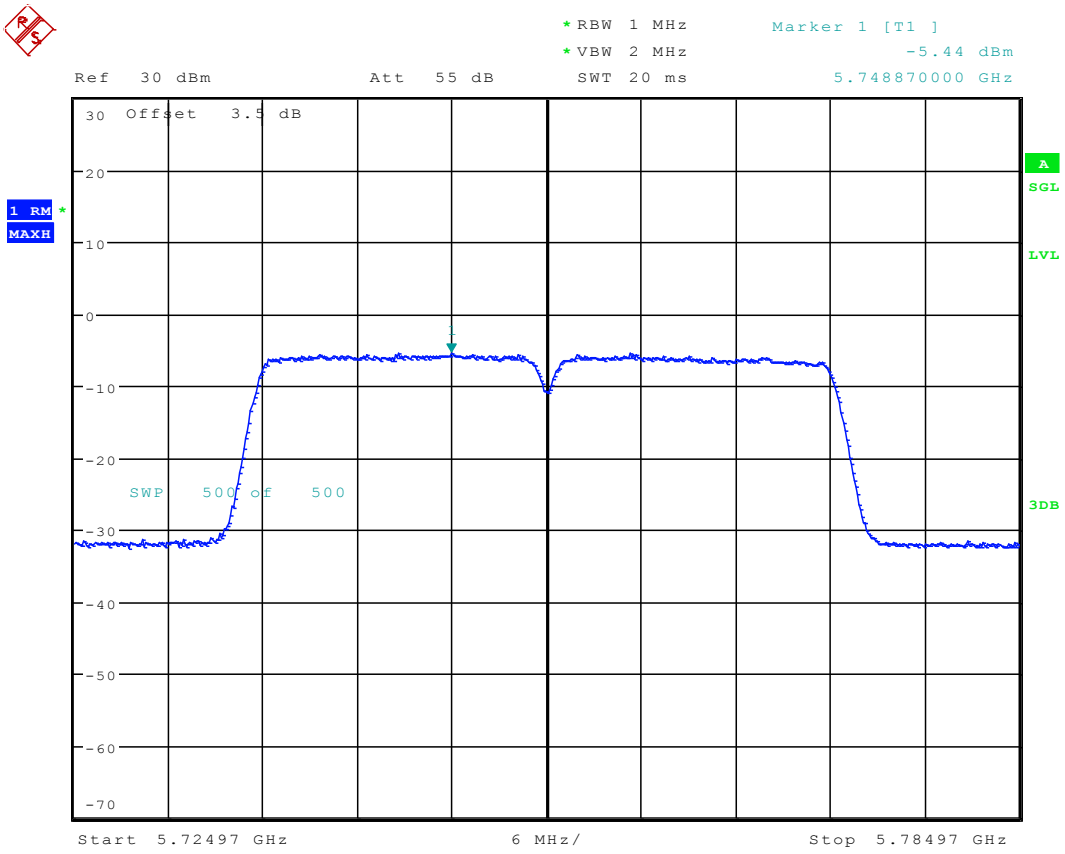
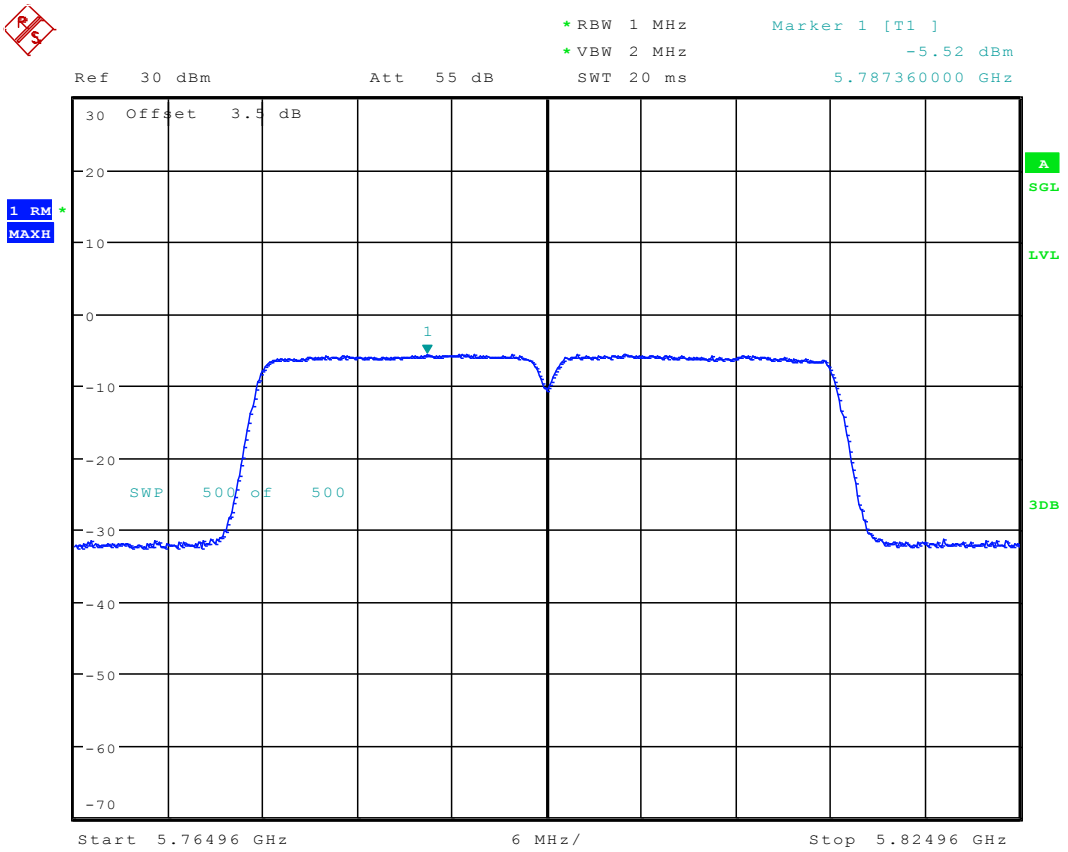
11.78 11N40M_151 Ant 2



Date: 16.MAR.2016 12:10:15

11.79 11N40M_159 Ant 1



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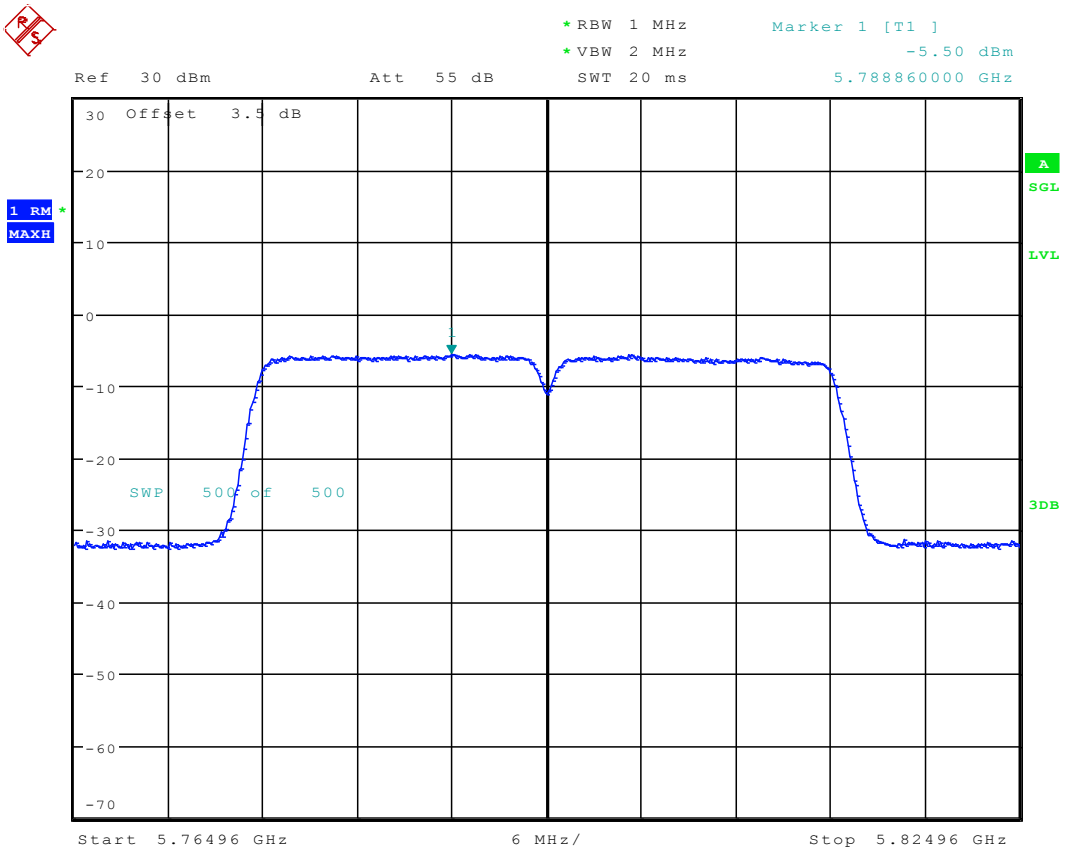
11.80 11N40M_159 Ant 2



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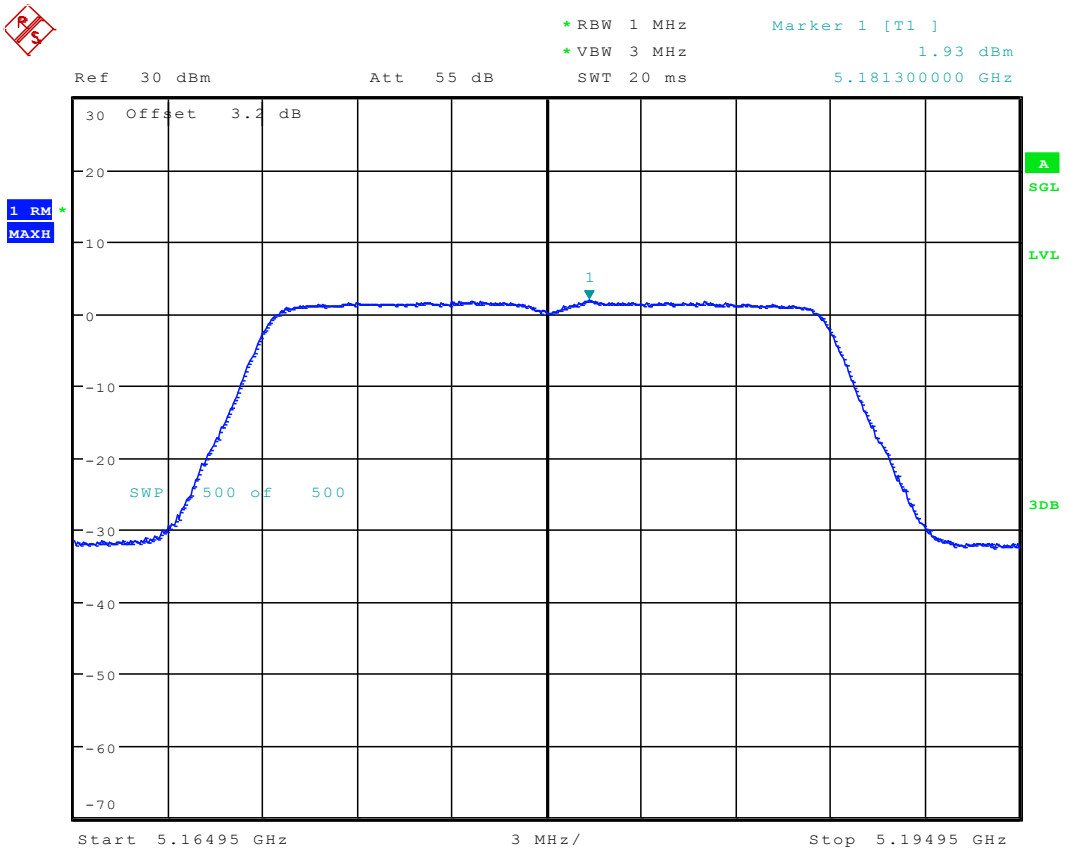
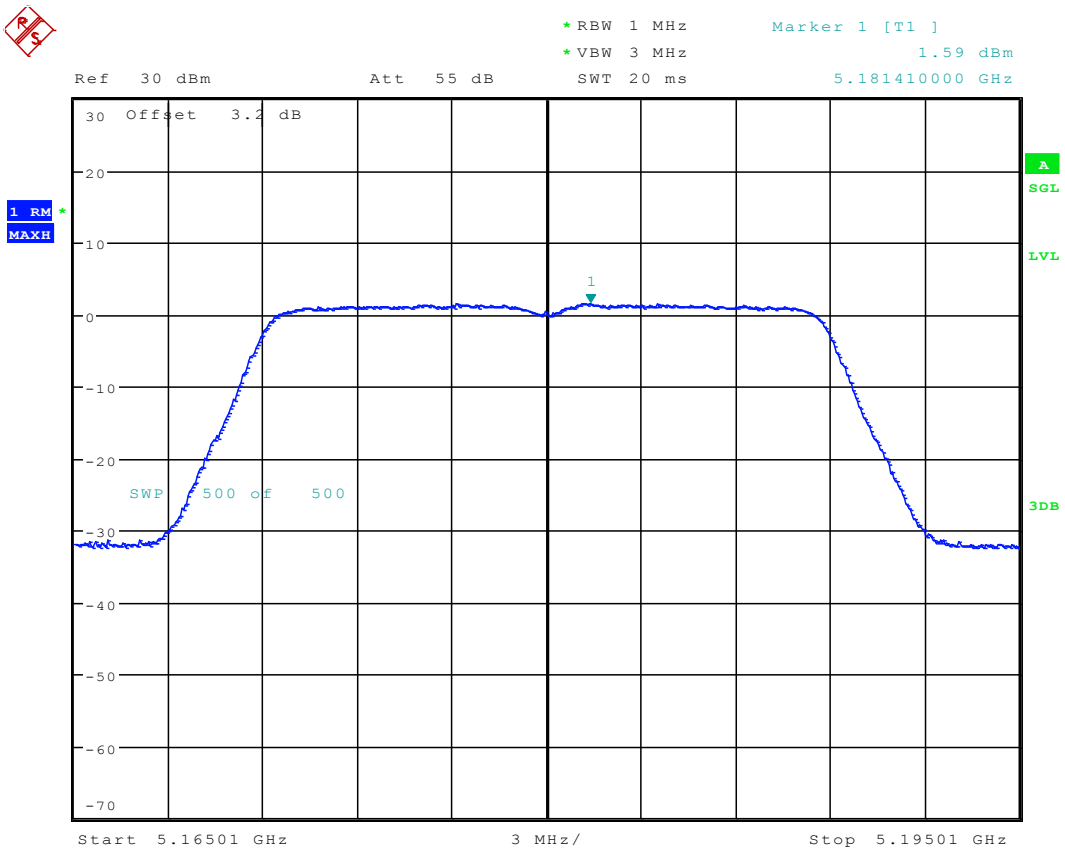
11.81 11AC20_36 Ant 1



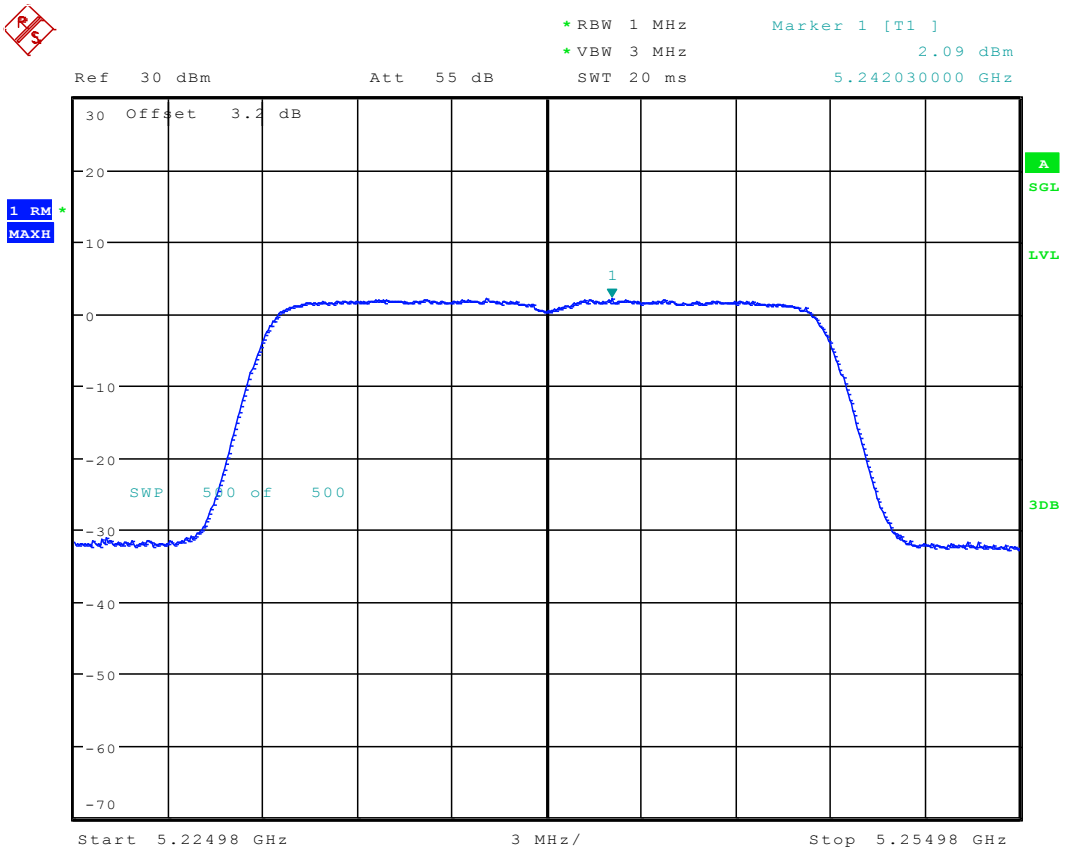
Date: 14.MAR.2016 17:25:04

11.82 11AC20_36 Ant 2



Date: 14.MAR.2016 14:58:16

11.83 11AC20_48 Ant 1



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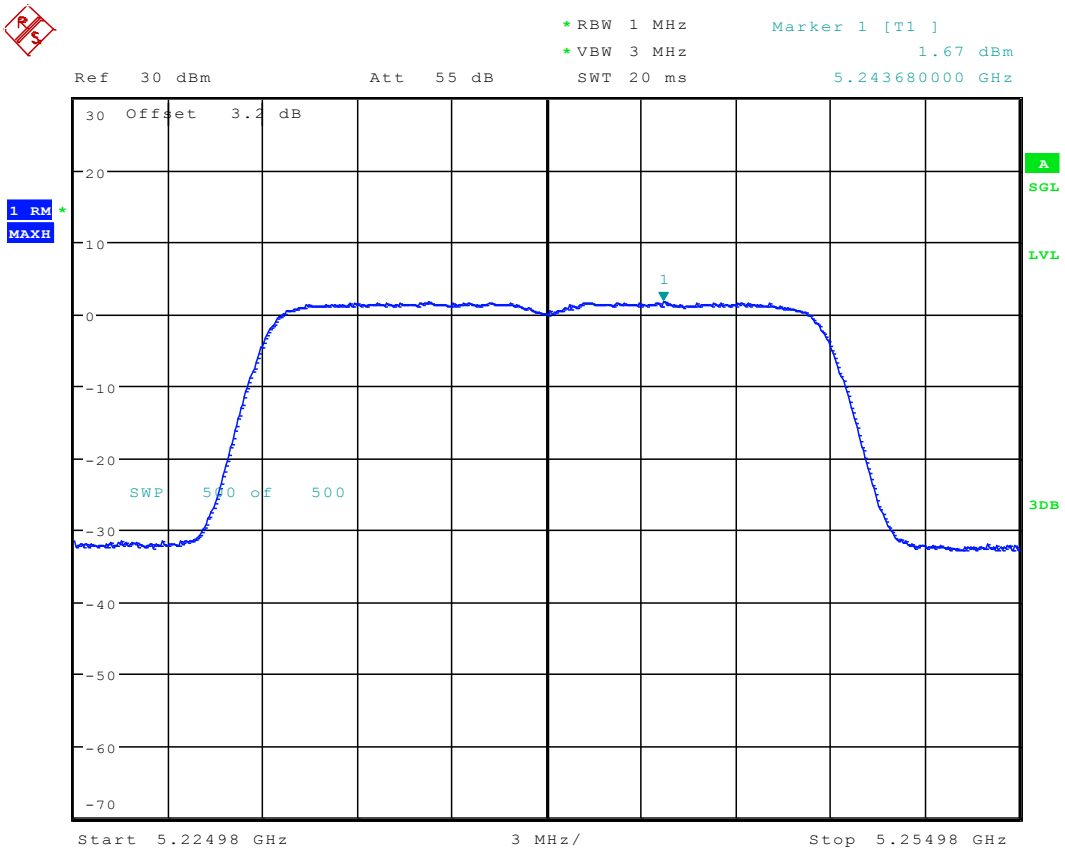
11.84 11AC20_48 Ant 2



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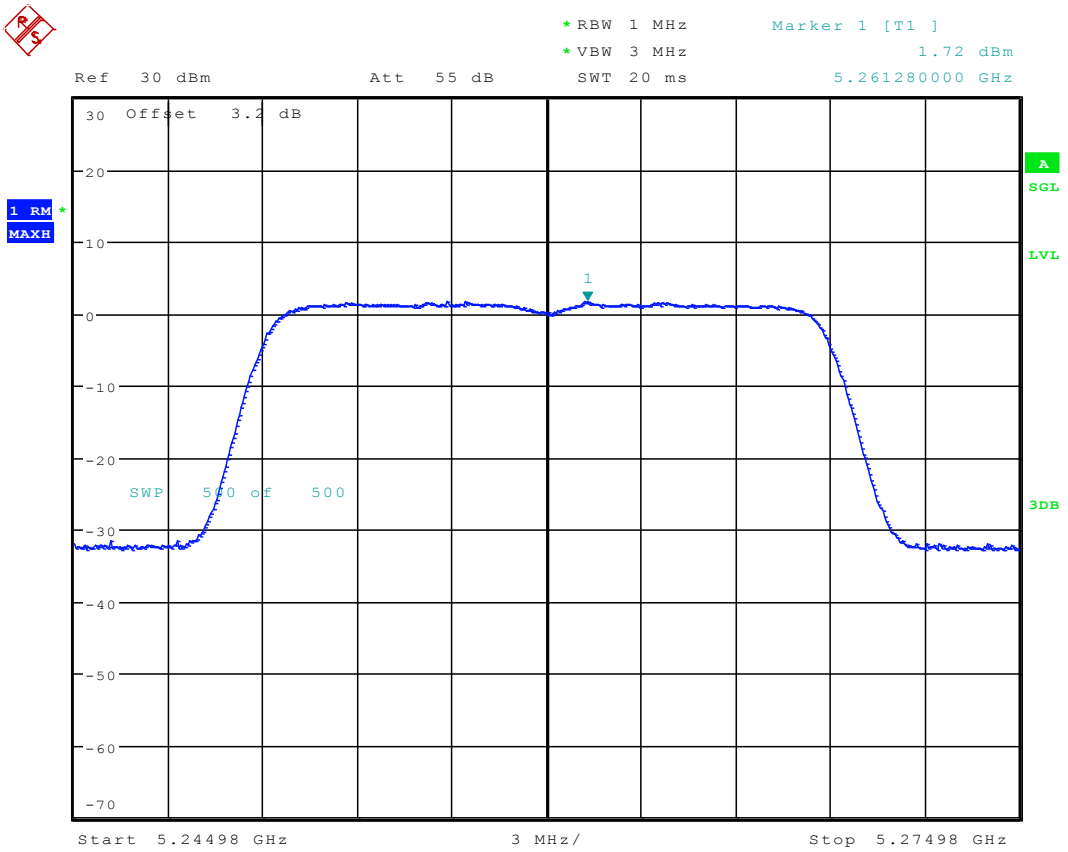
11.85 11AC20_52 Ant 1



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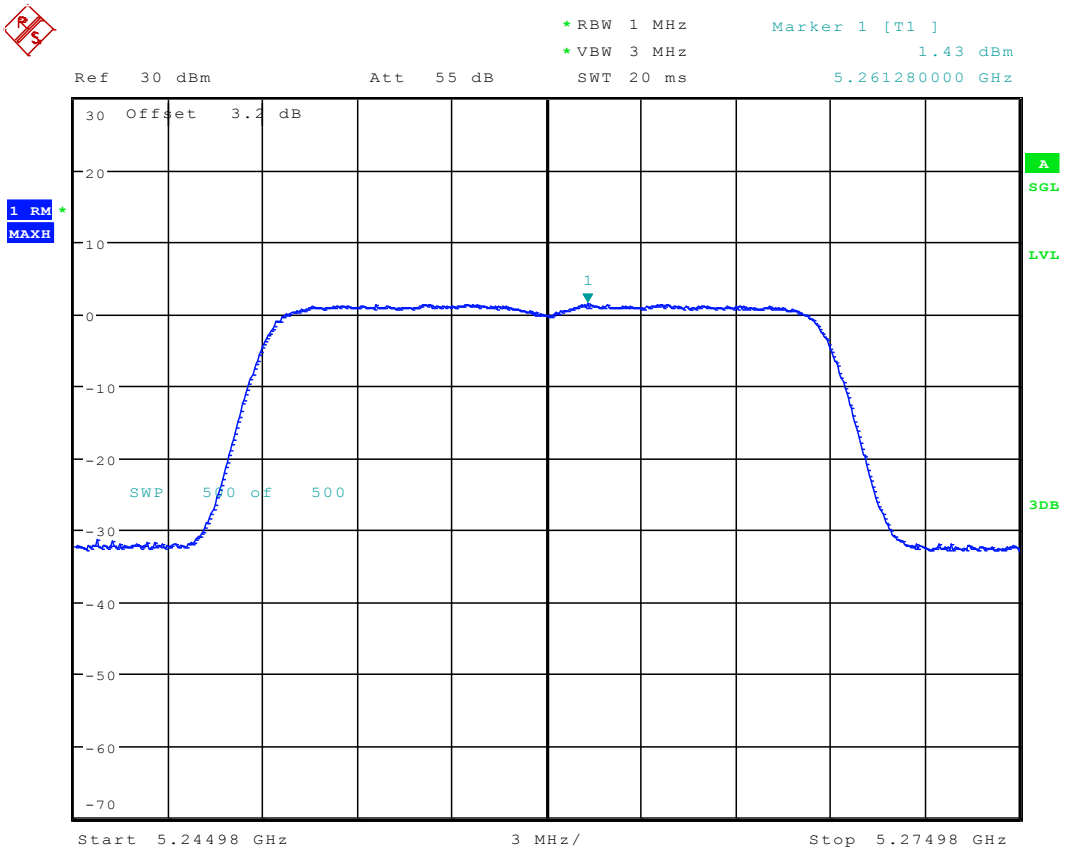
11.86 11AC20_52 Ant 2



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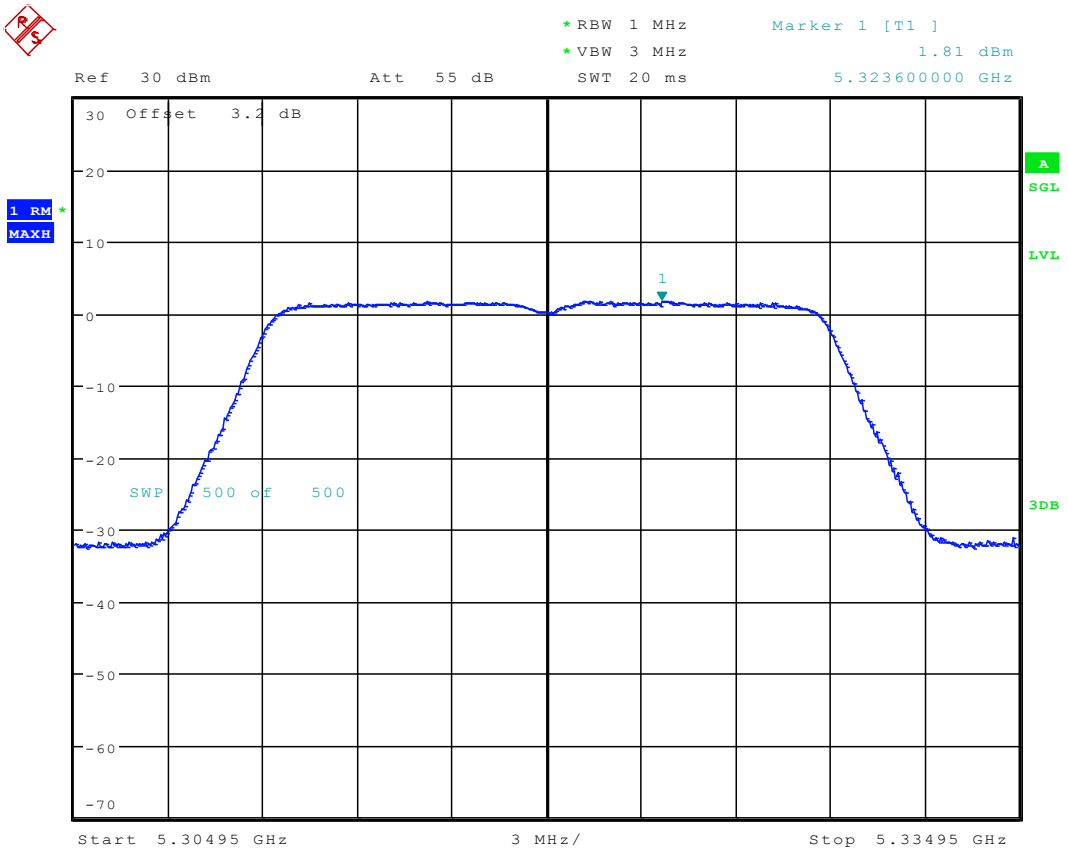
11.87 11AC20_64 Ant 1



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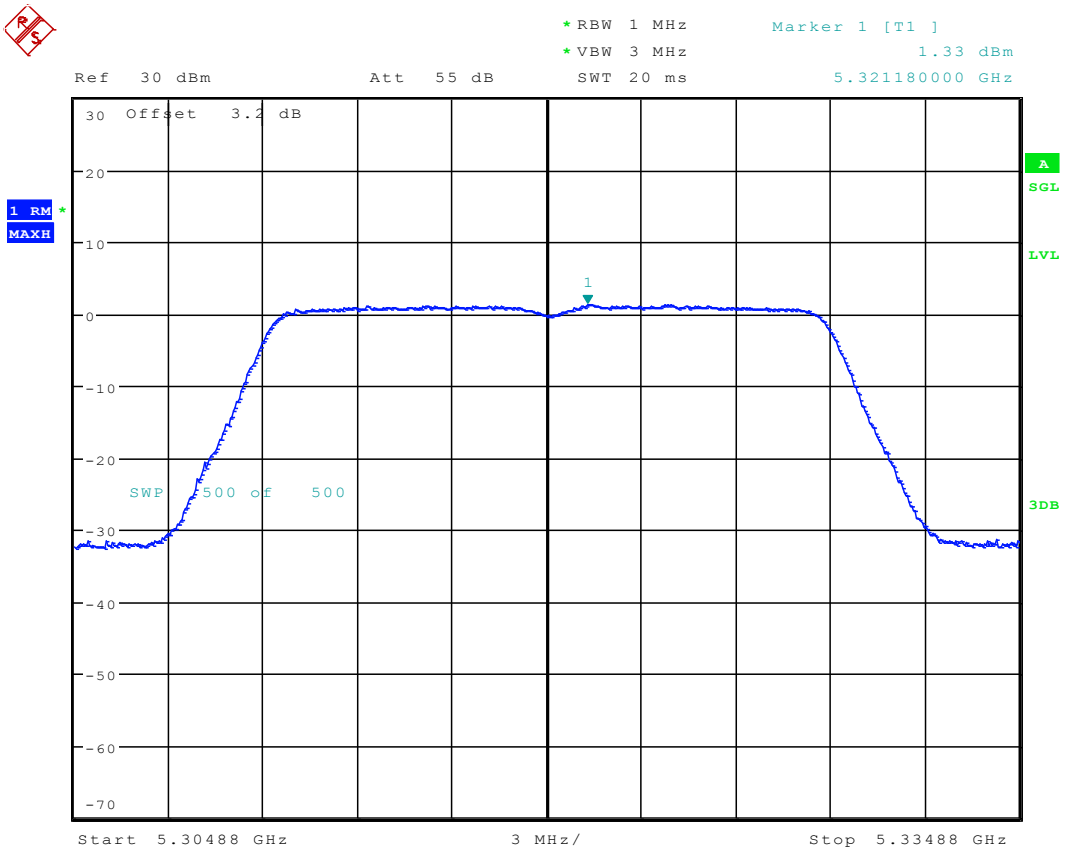
11.88 11AC20_64 Ant 2



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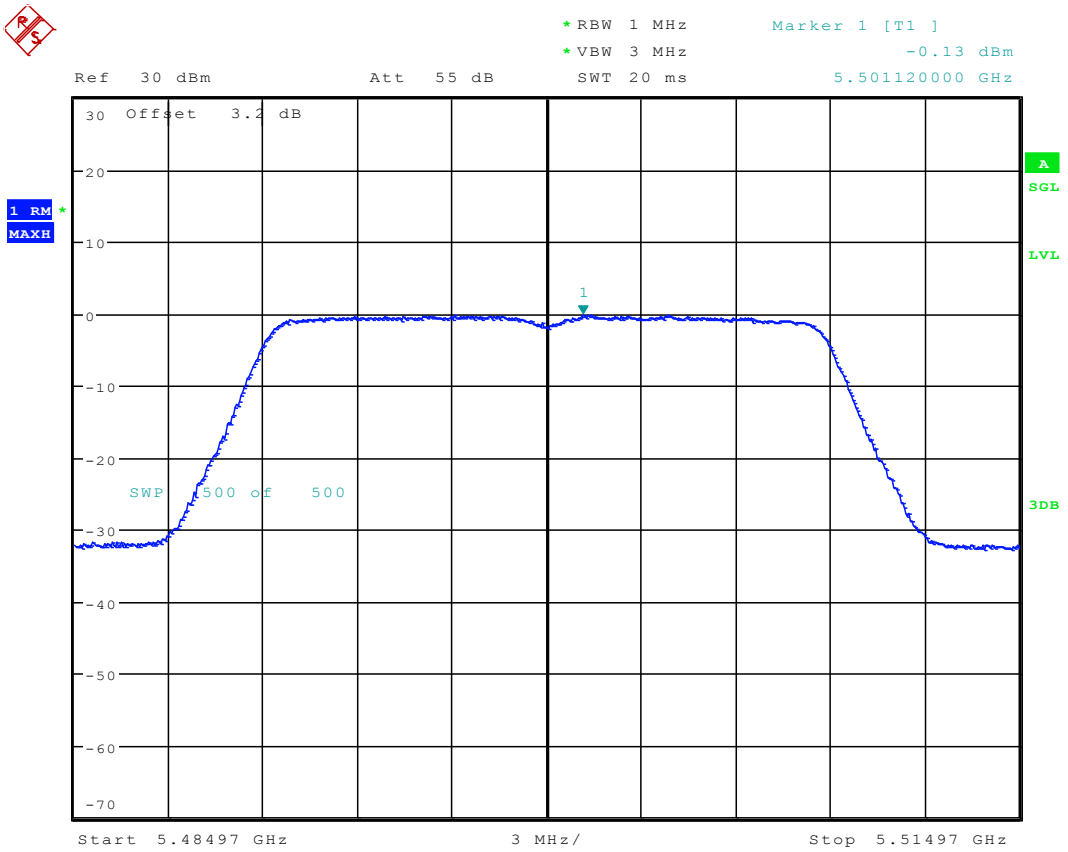
11.89 11AC20_100 Ant 1



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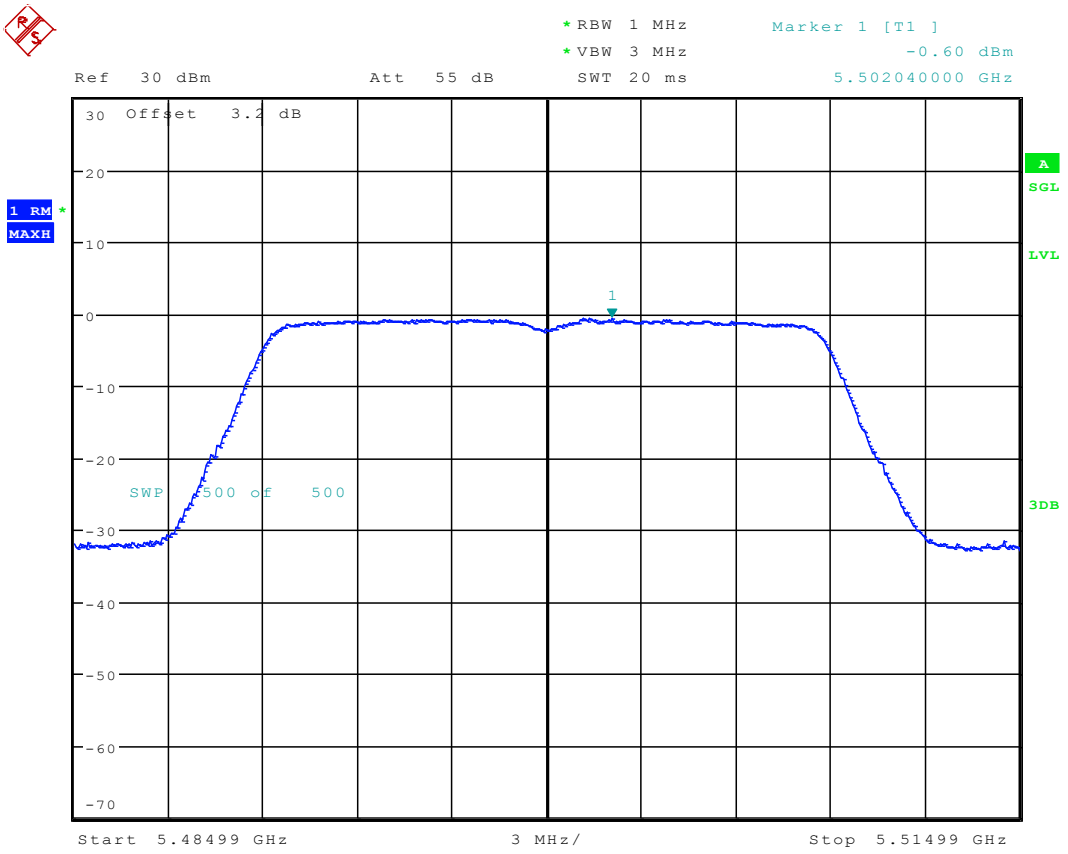
11.90 11AC20_100 Ant 2



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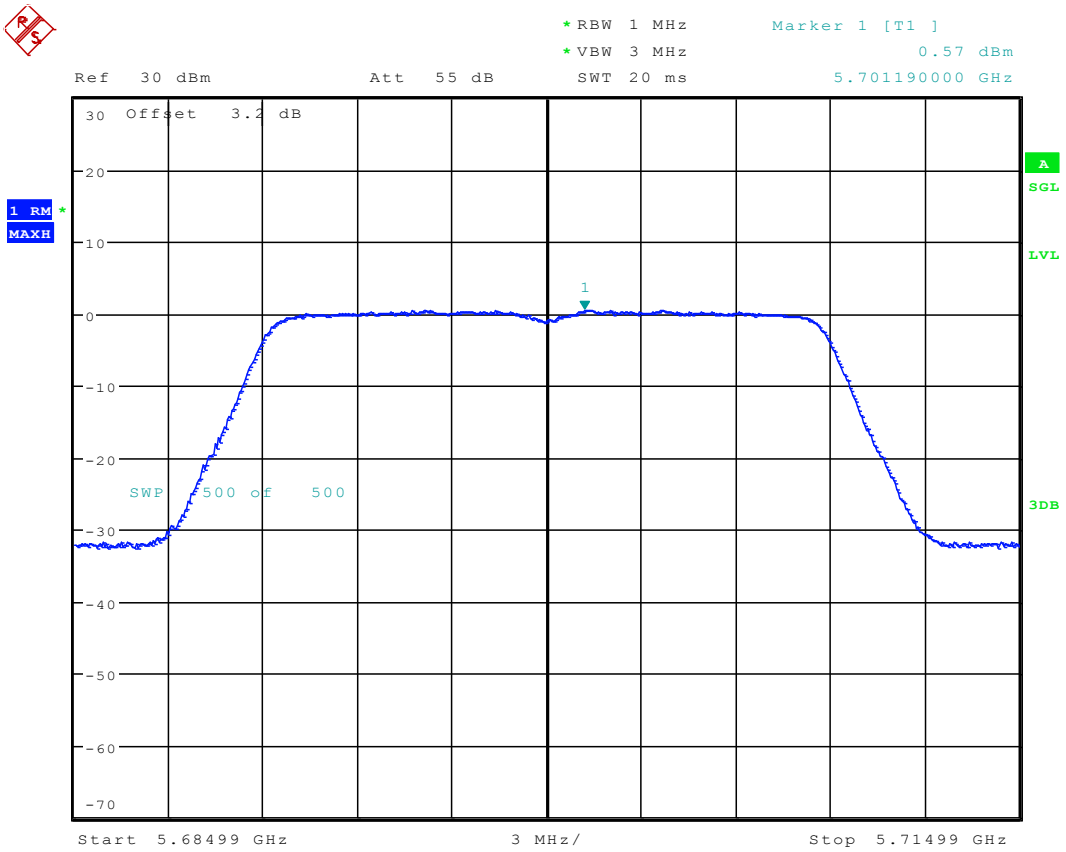
11.91 11AC20_140 Ant 1



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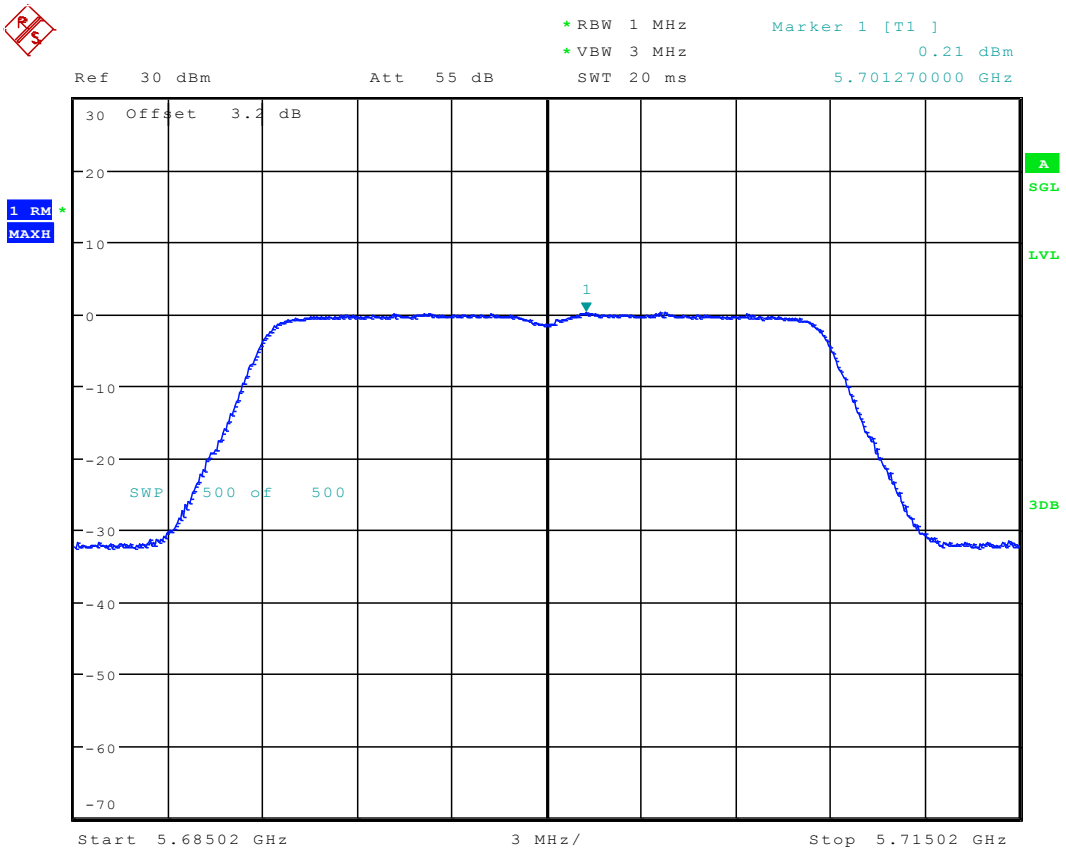
11.92 11AC20_140 Ant 2



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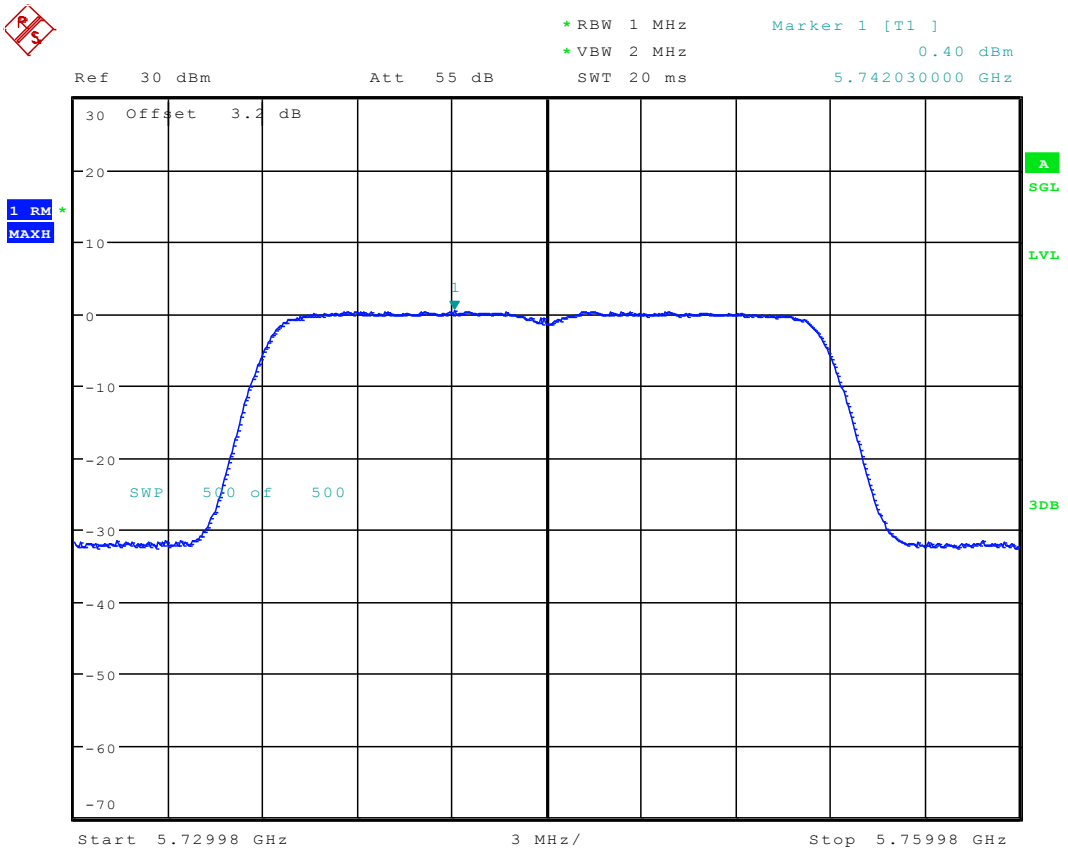
11.93 11AC20_149 Ant 1



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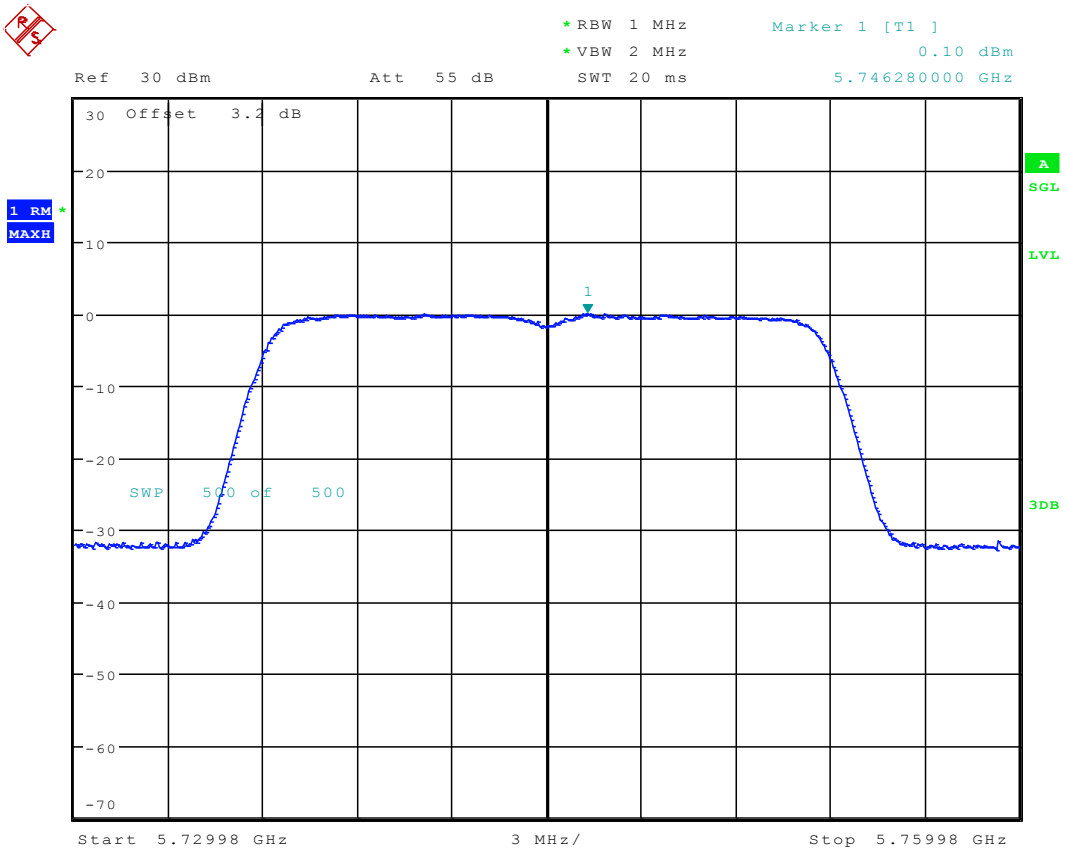
11.94 11AC20_149 Ant 2



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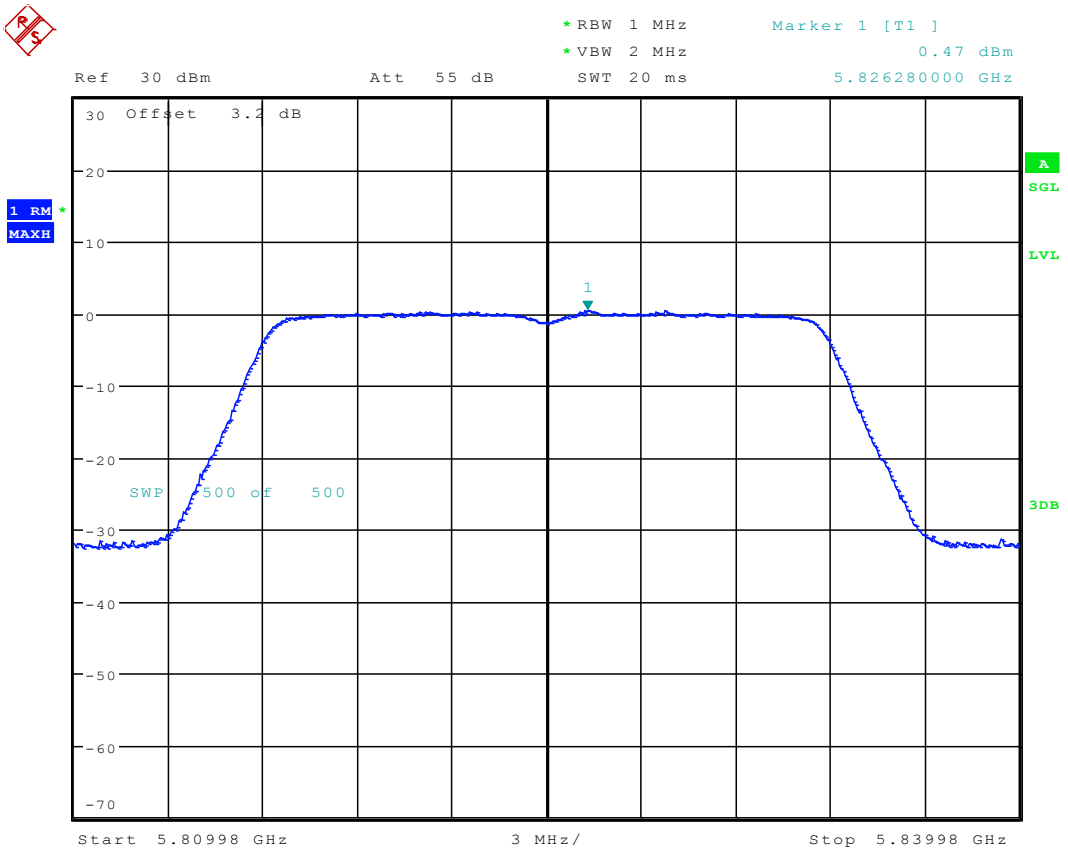
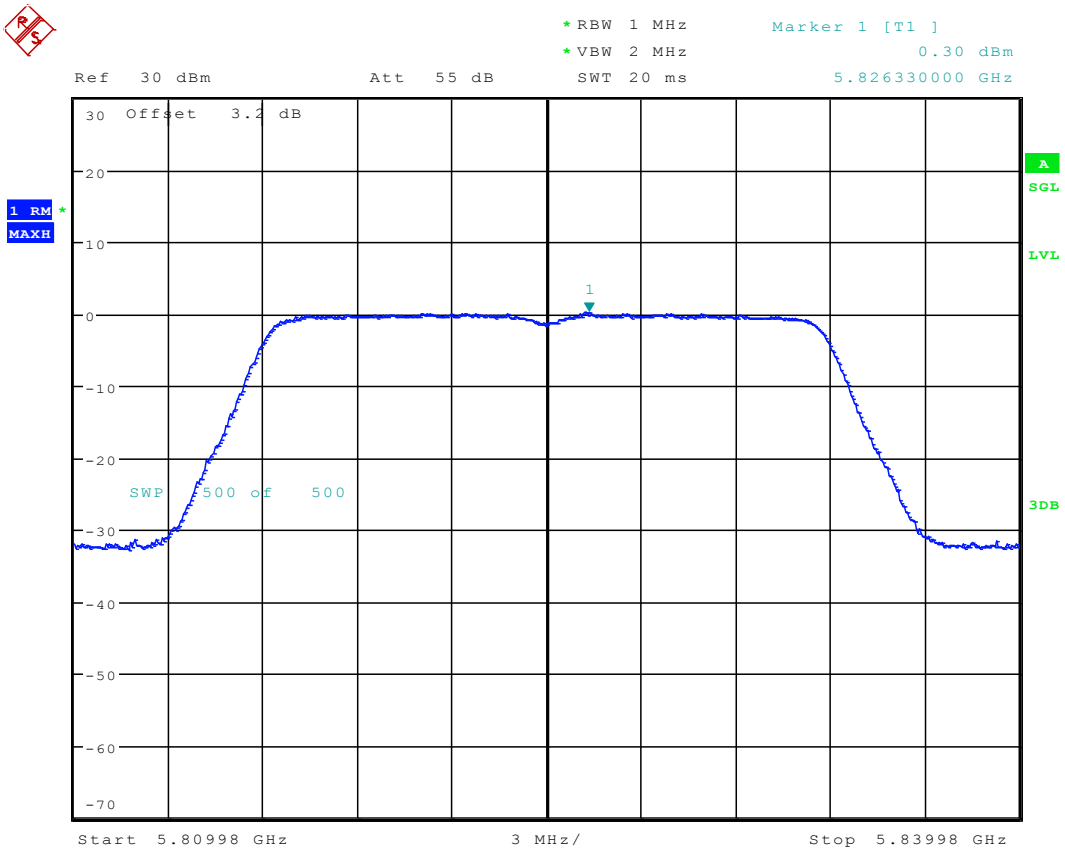
11.95 11AC20_165Ant 1



Date: 14.MAR.2016 18:09:25

11.96 11AC20_165 Ant 2



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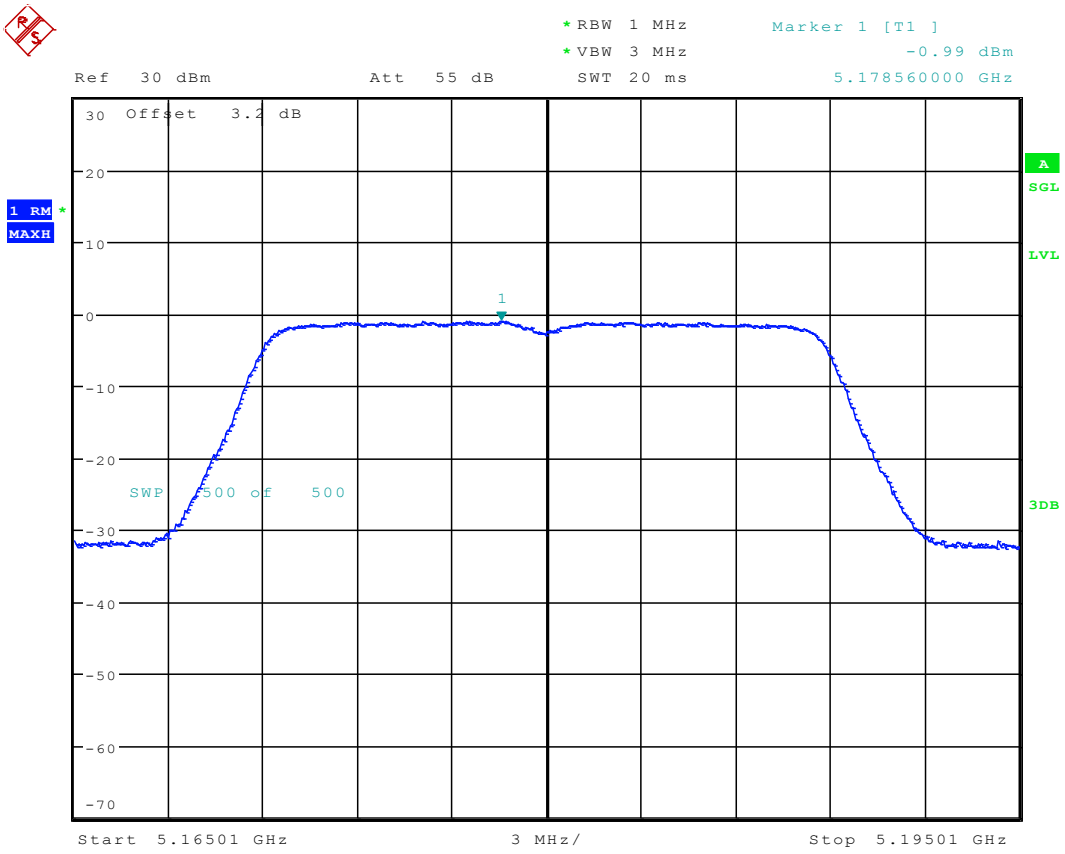
11.97 11AC20M_36 Ant 1



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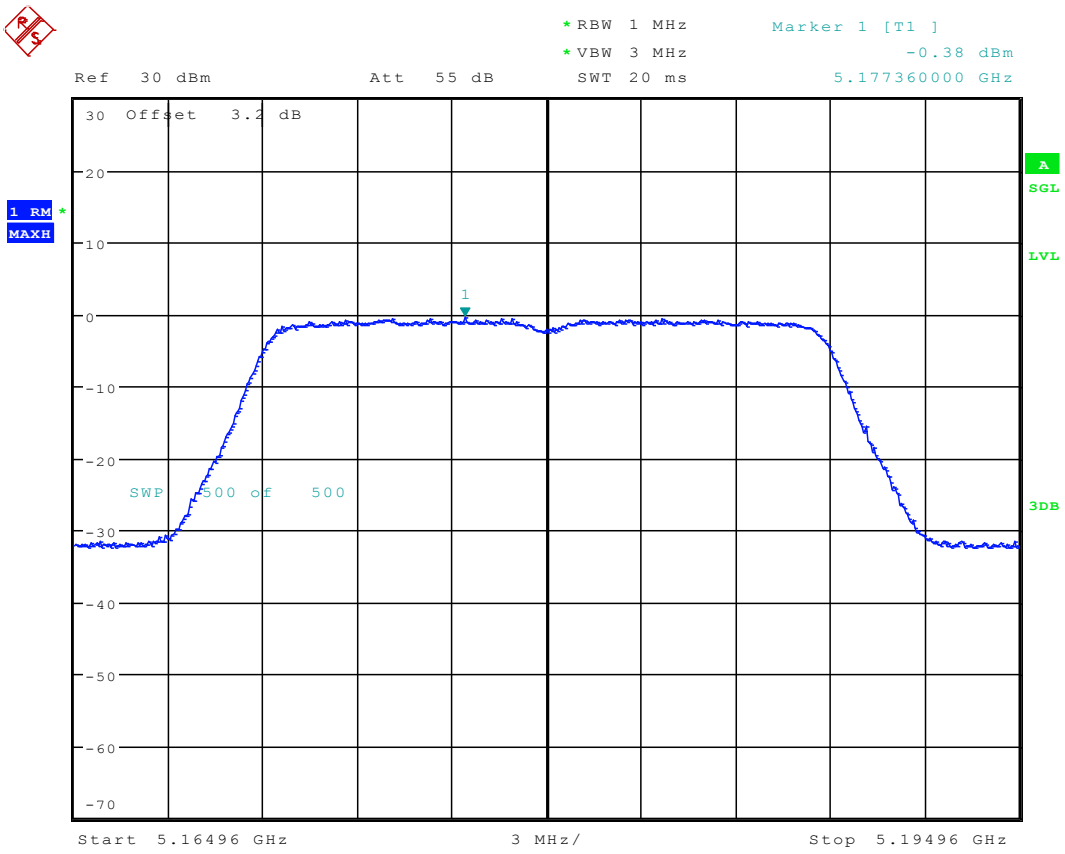
11.98 11AC20M_36 Ant 2



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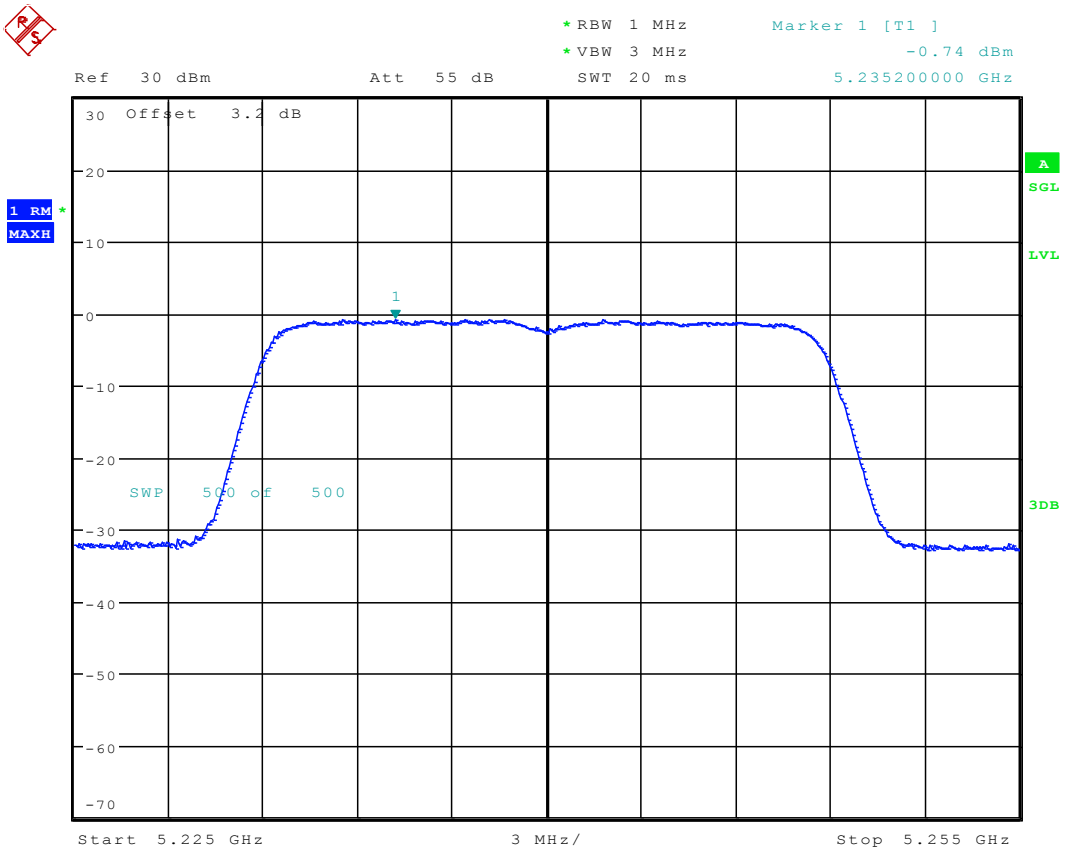
11.99 11AC20M_48 Ant 1



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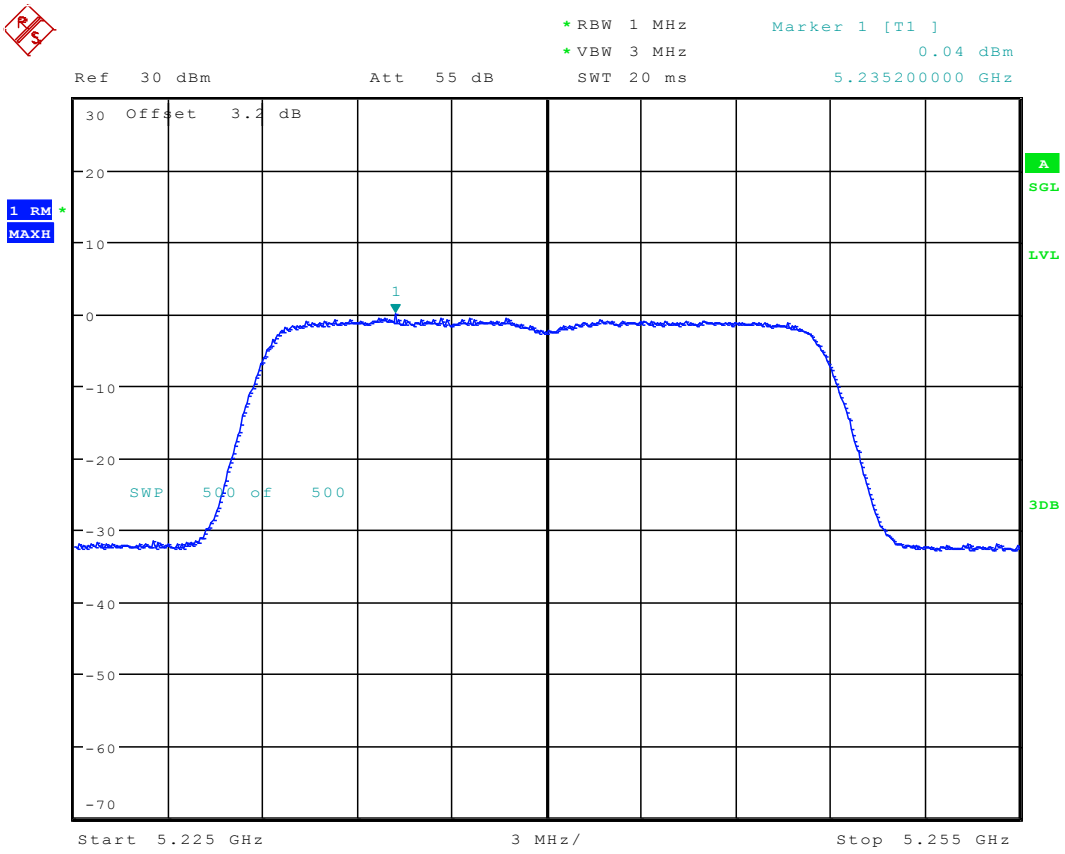
11.100 11AC20M_48 Ant 2



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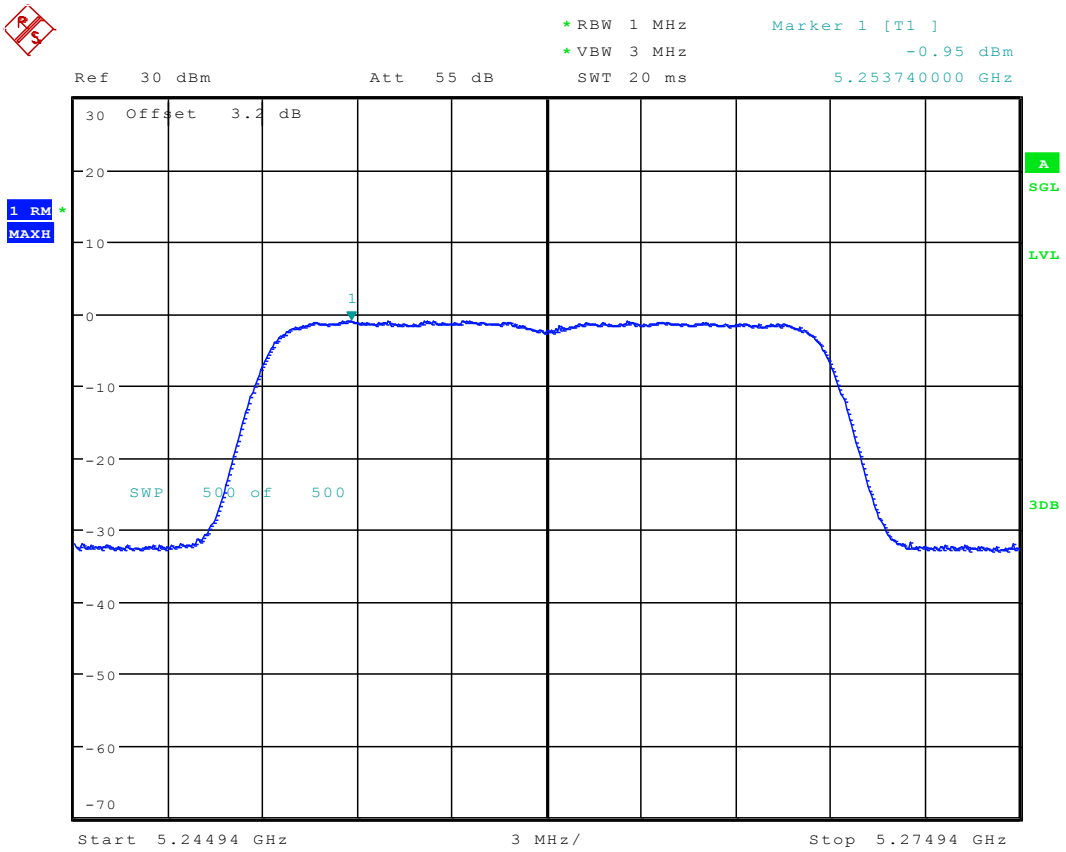
11.101 11AC20M_52 Ant 1



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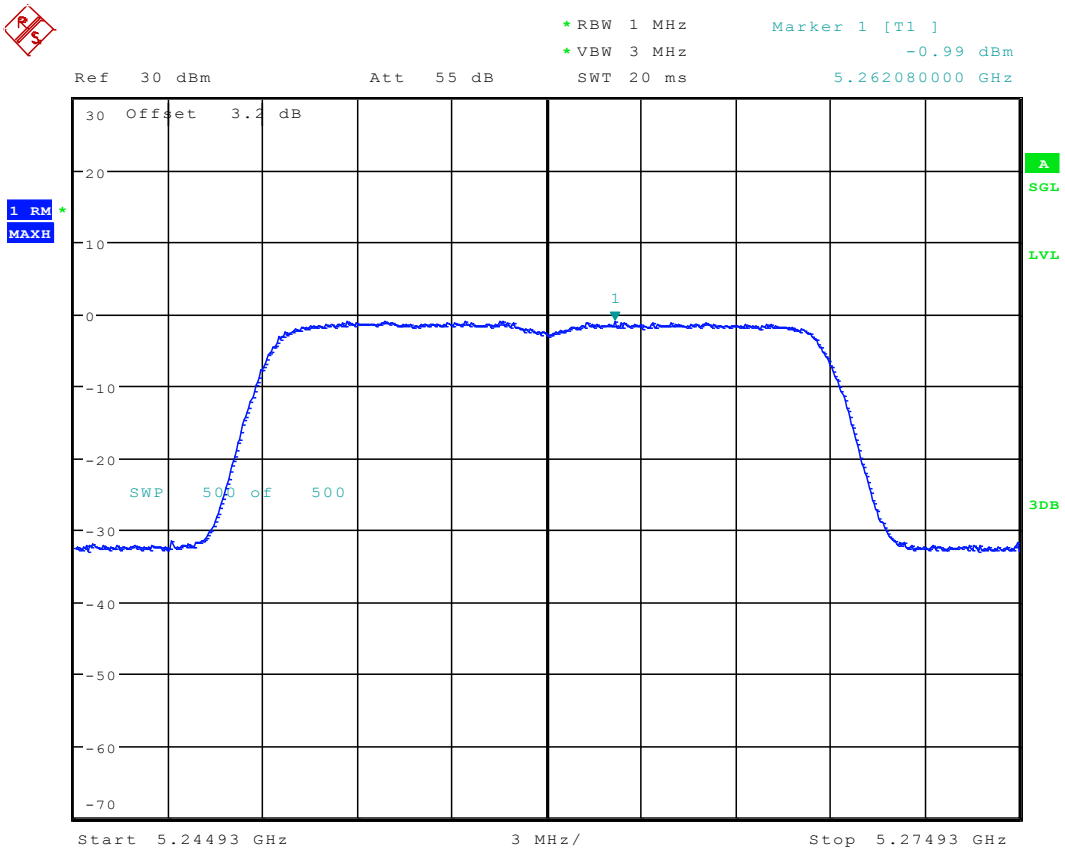
11.102 11AC20M_52 Ant 2



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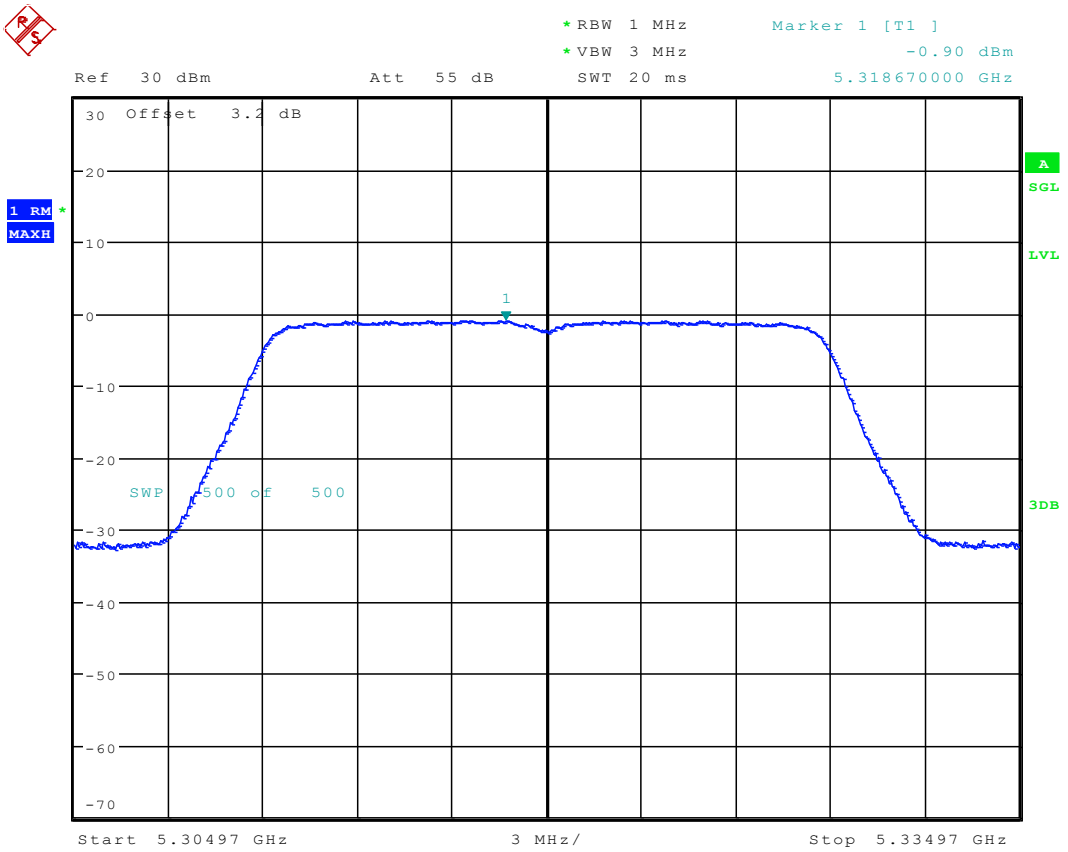
11.103 11AC20M_64 Ant 1



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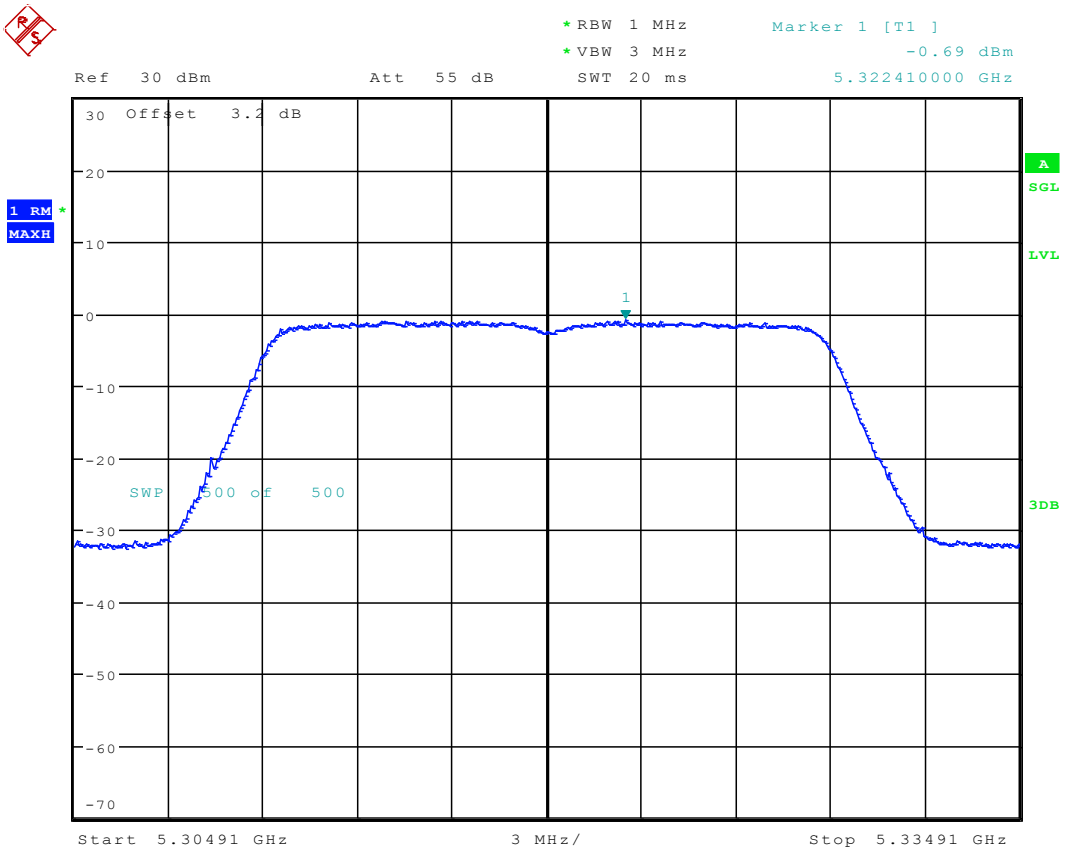
11.104 11AC20M_64 Ant 2



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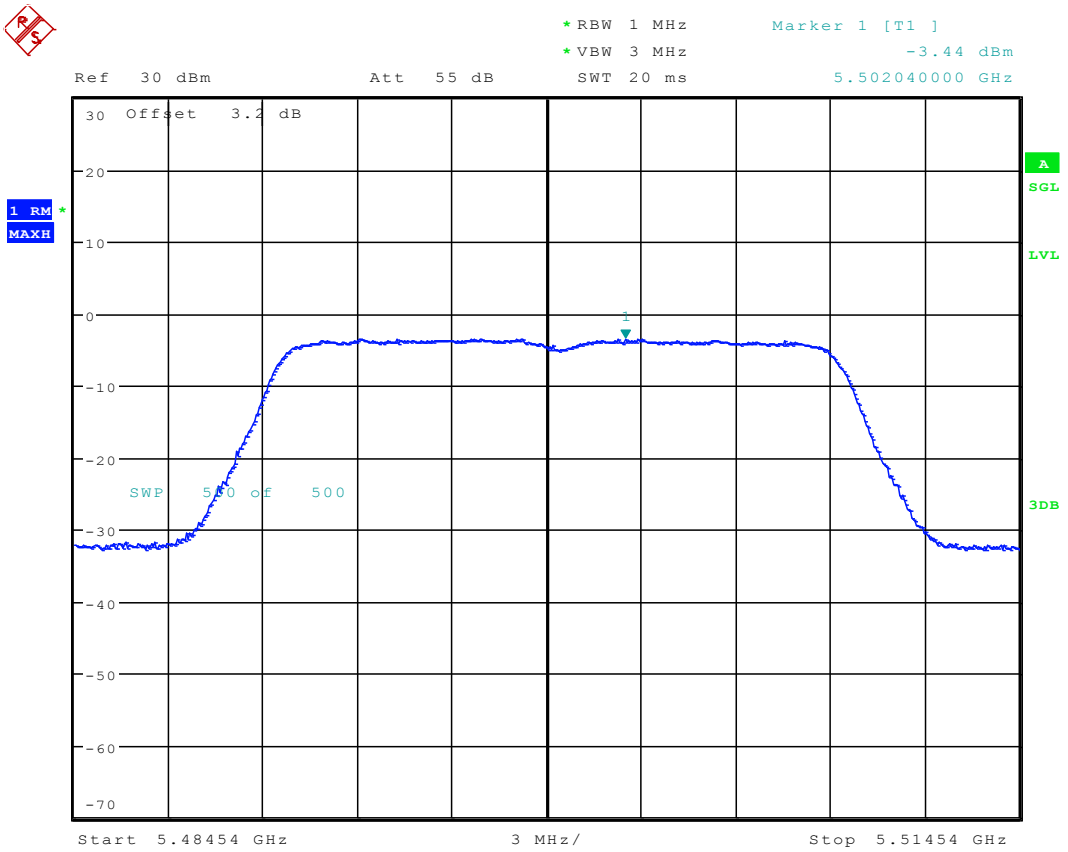
11.105 11AC20M_100 Ant 1



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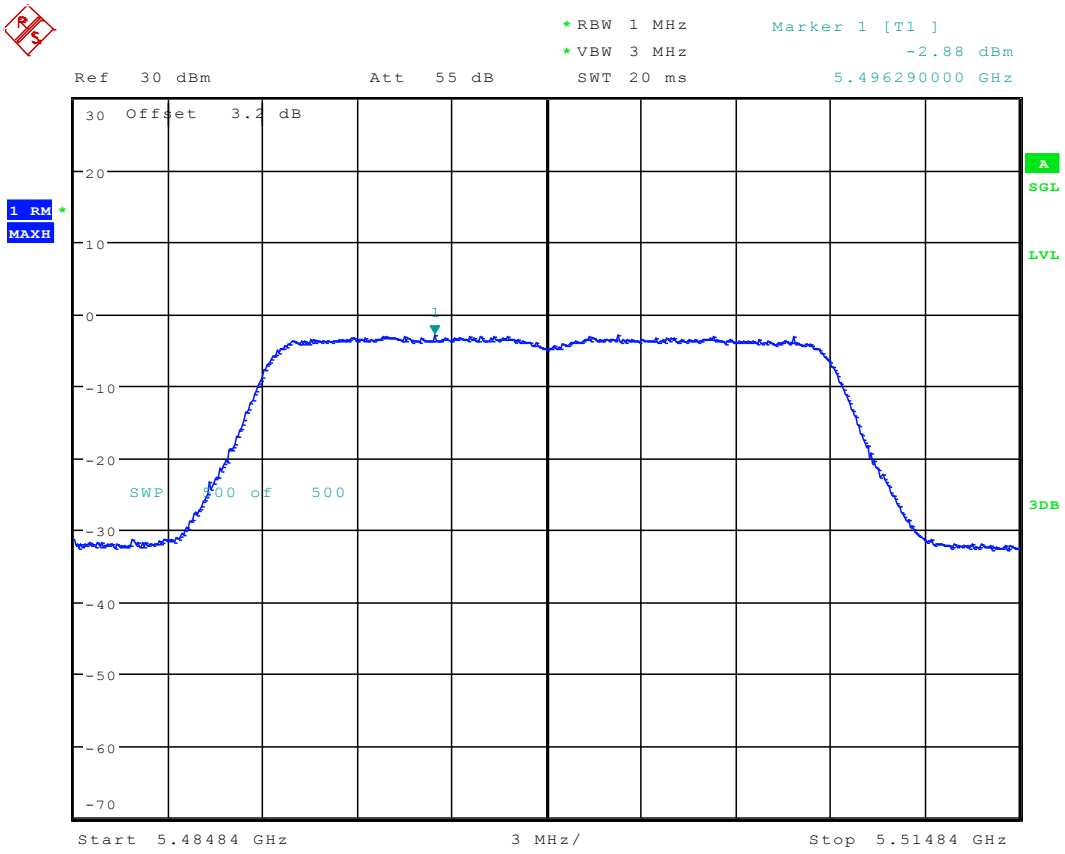
11.106 11AC20M_100 Ant 2



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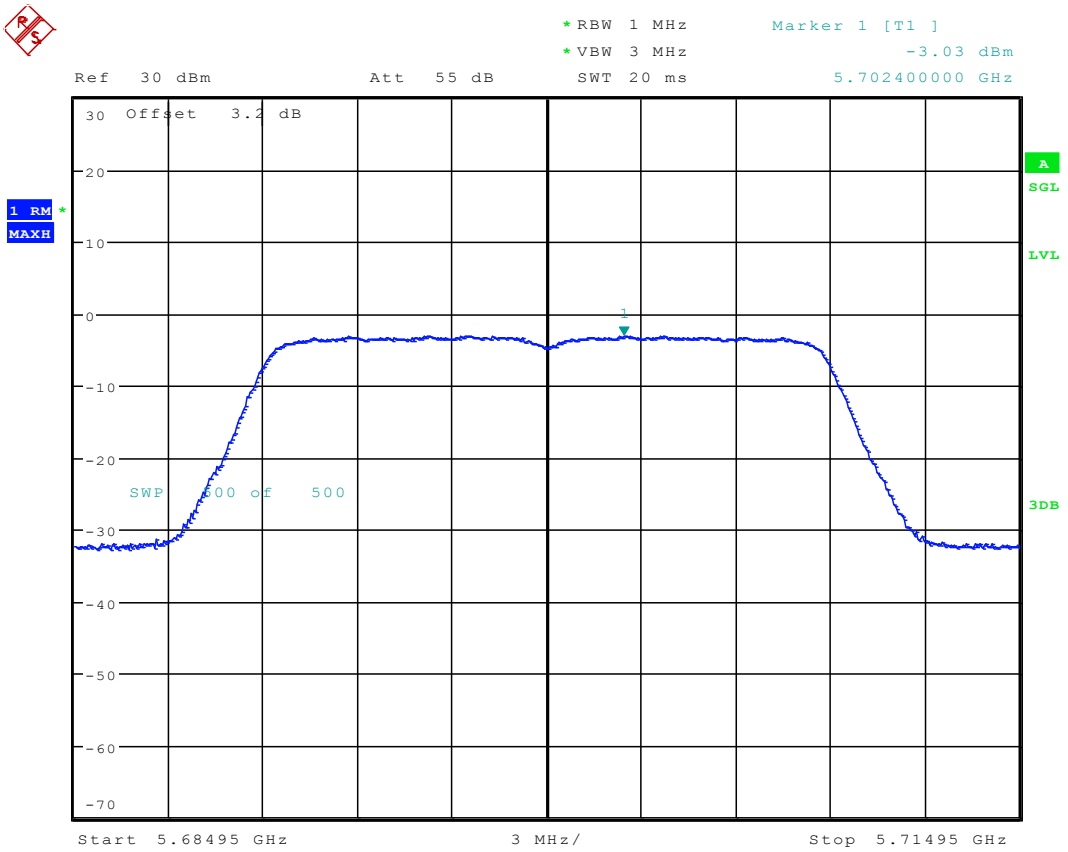
11.107 11AC20M_140 Ant 1



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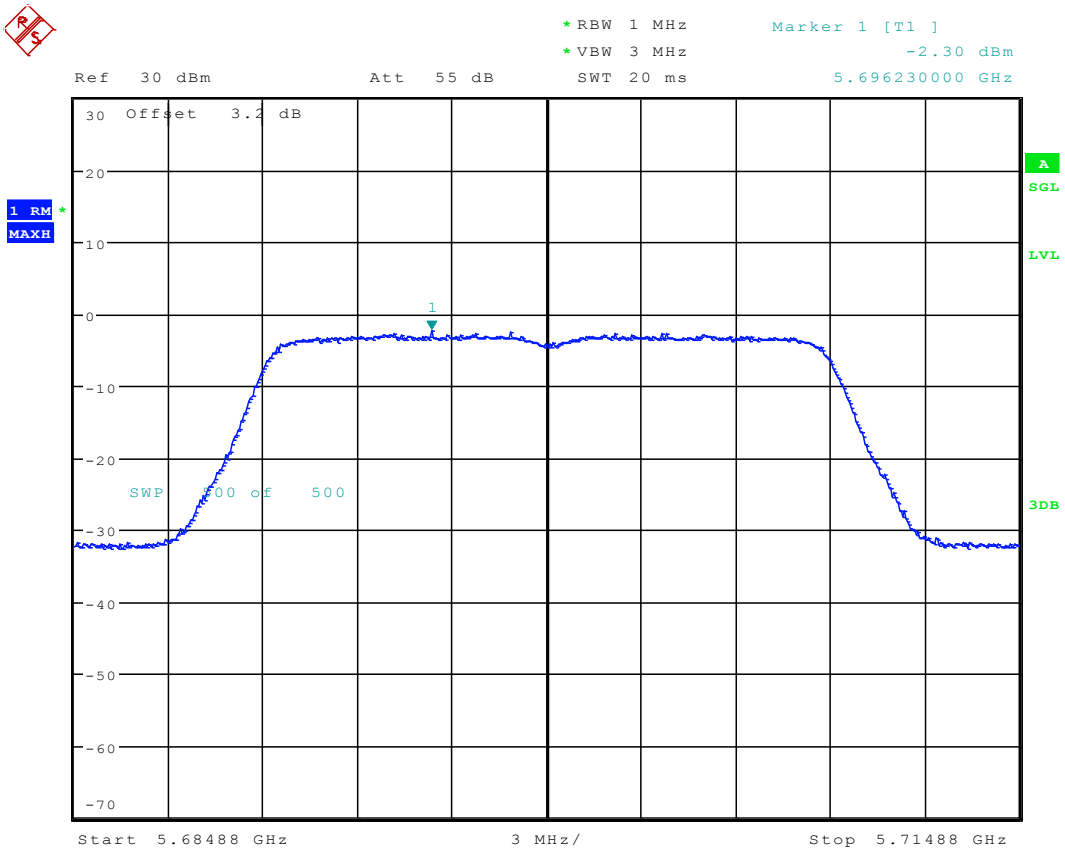
11.108 11AC20M_140 Ant 2



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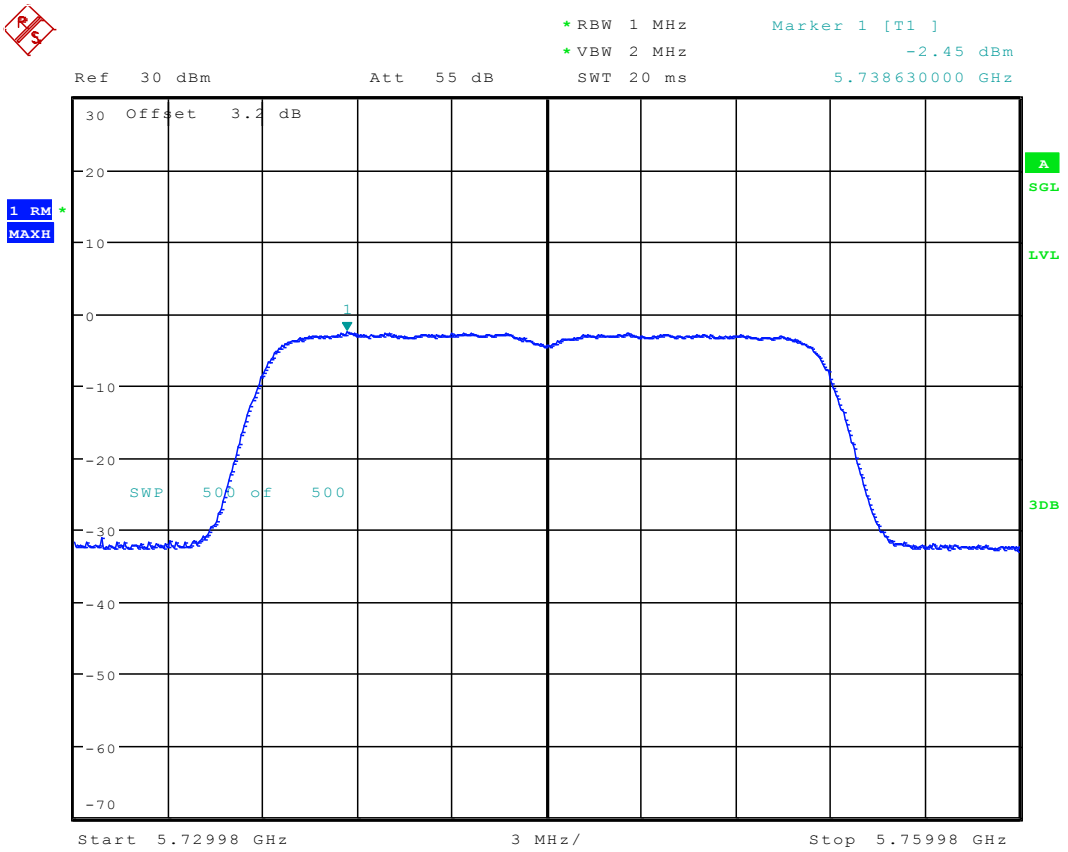
11.109 11AC20M_149 Ant 1



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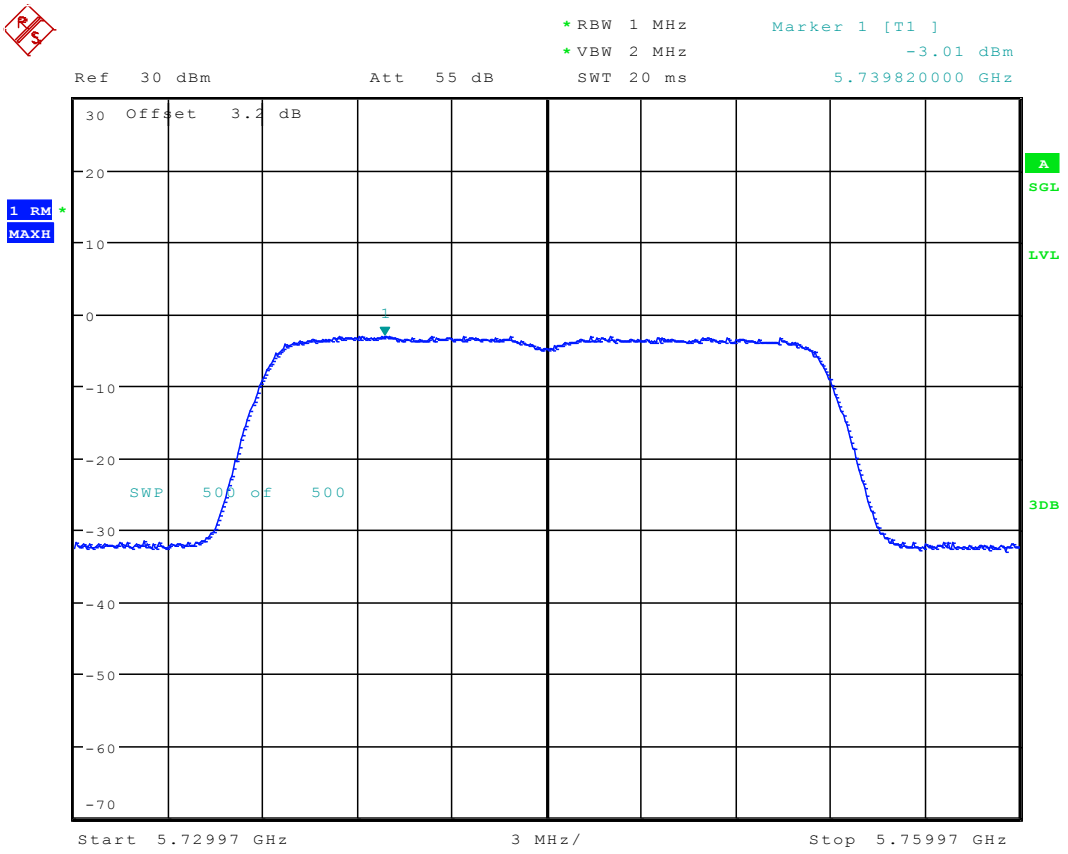
11.110 11AC20M_149 Ant 2



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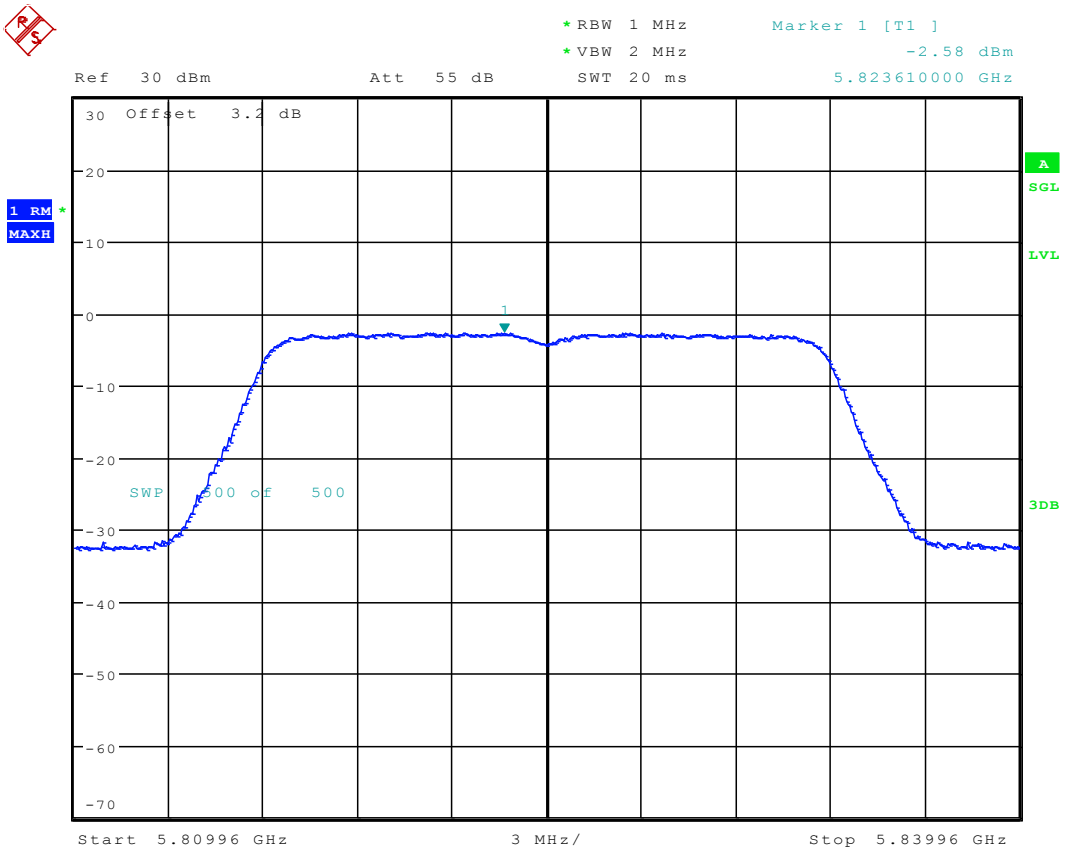
11.111 11AC20M_165Ant 1



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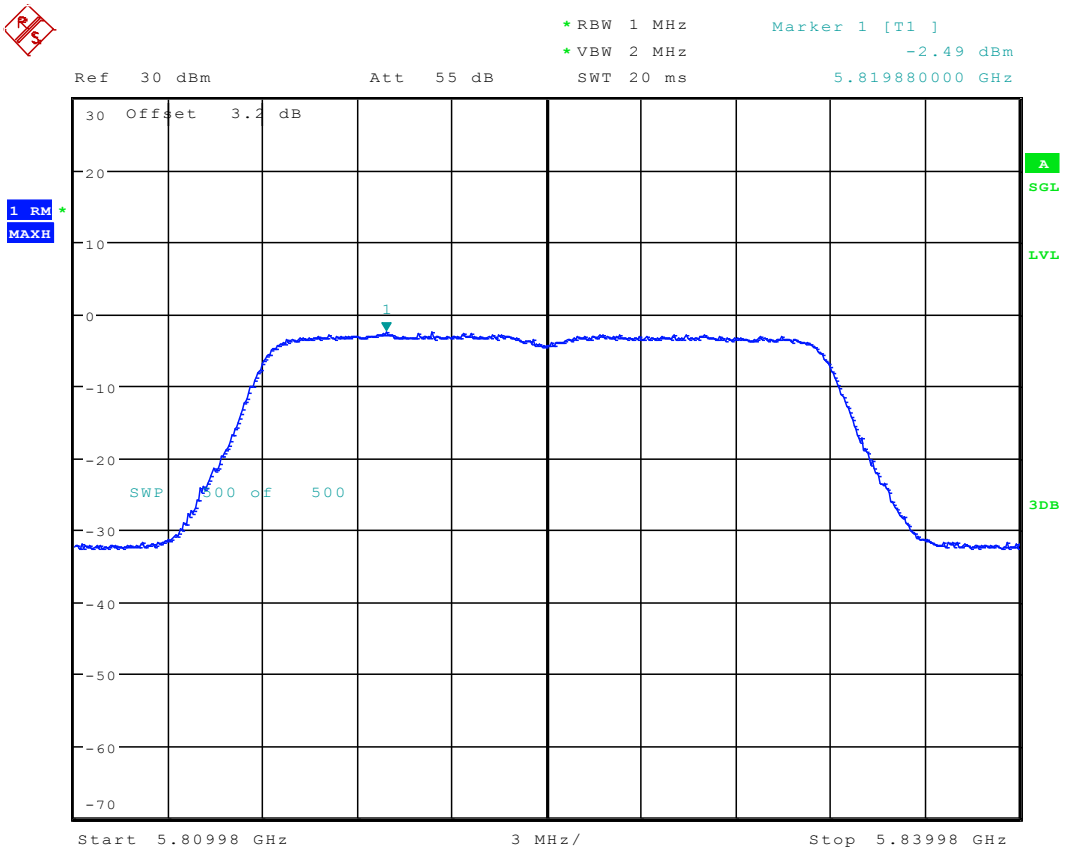
11.112 11AC20M_165 Ant 2



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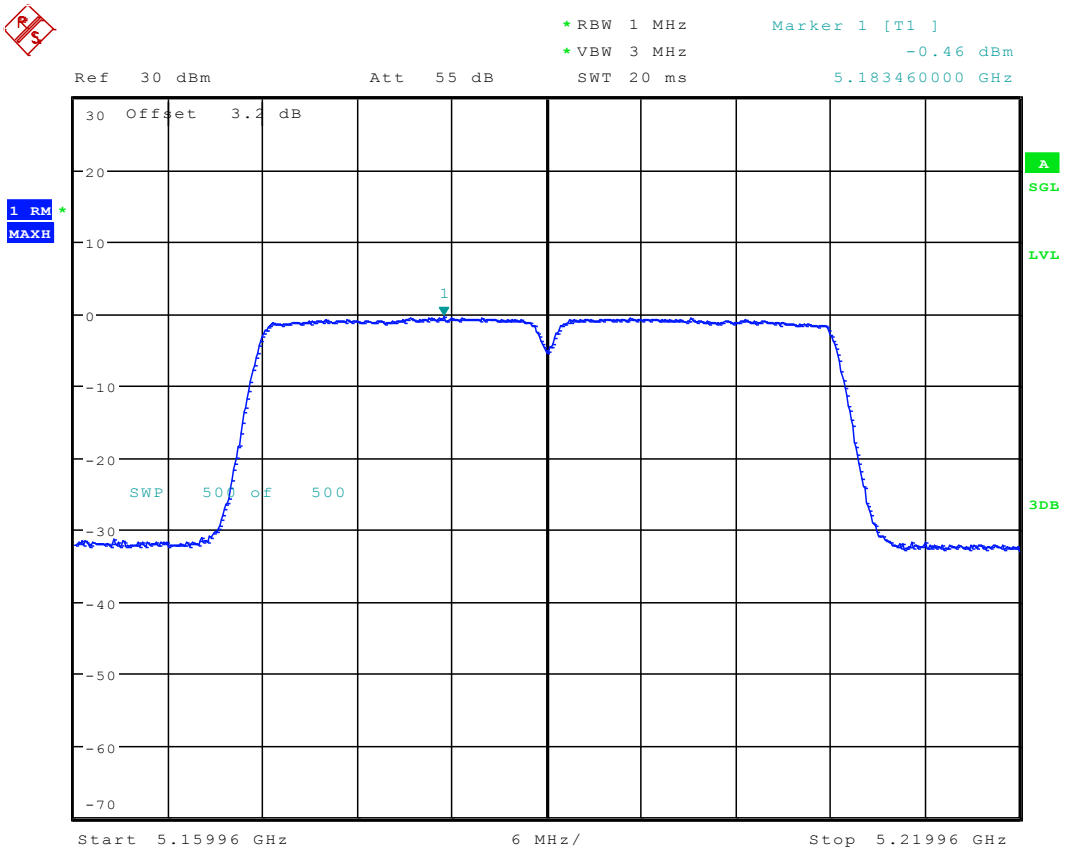
11.113 11AC40_38 Ant 1



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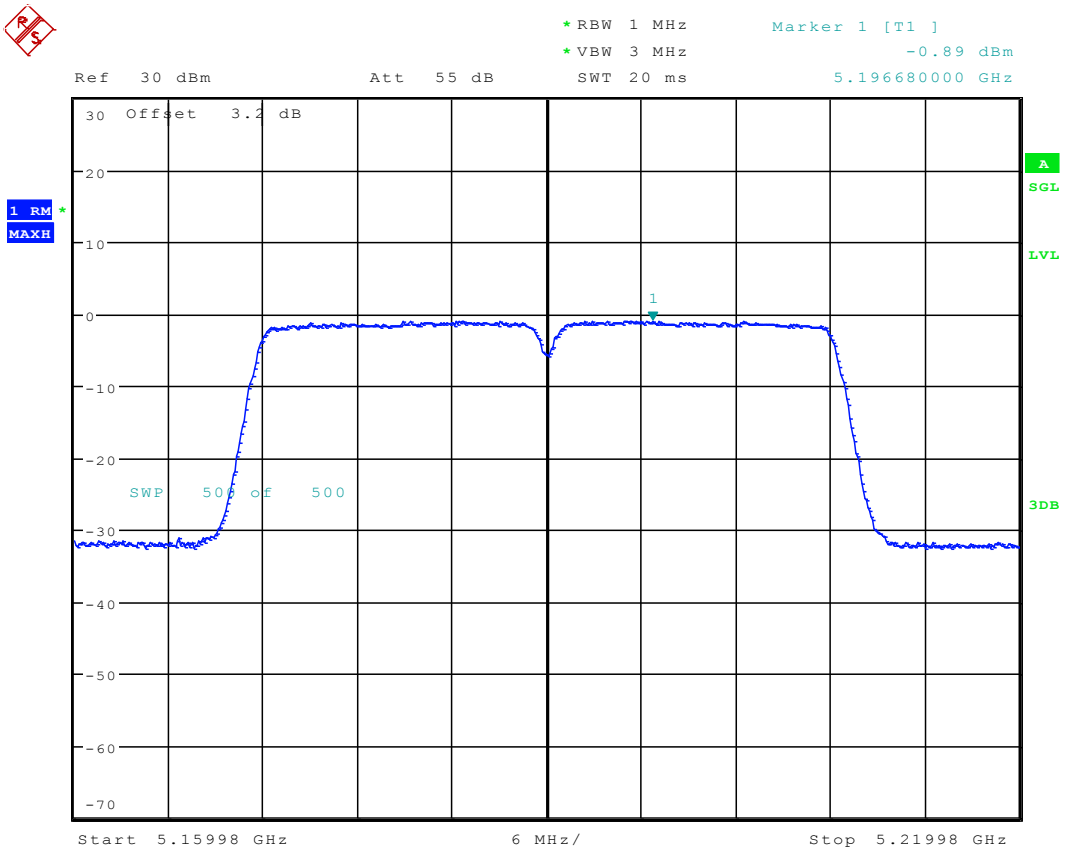
11.114 11AC40_38 Ant 2



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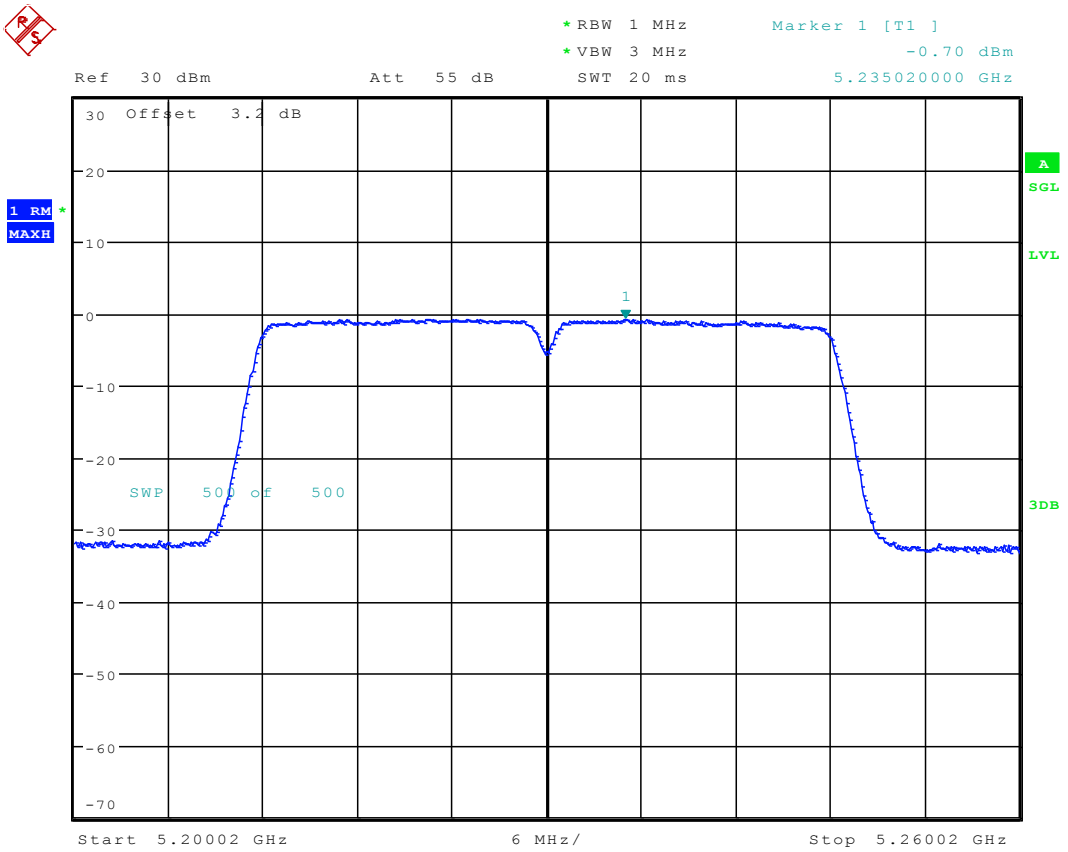
11.115 11AC40_46 Ant 1



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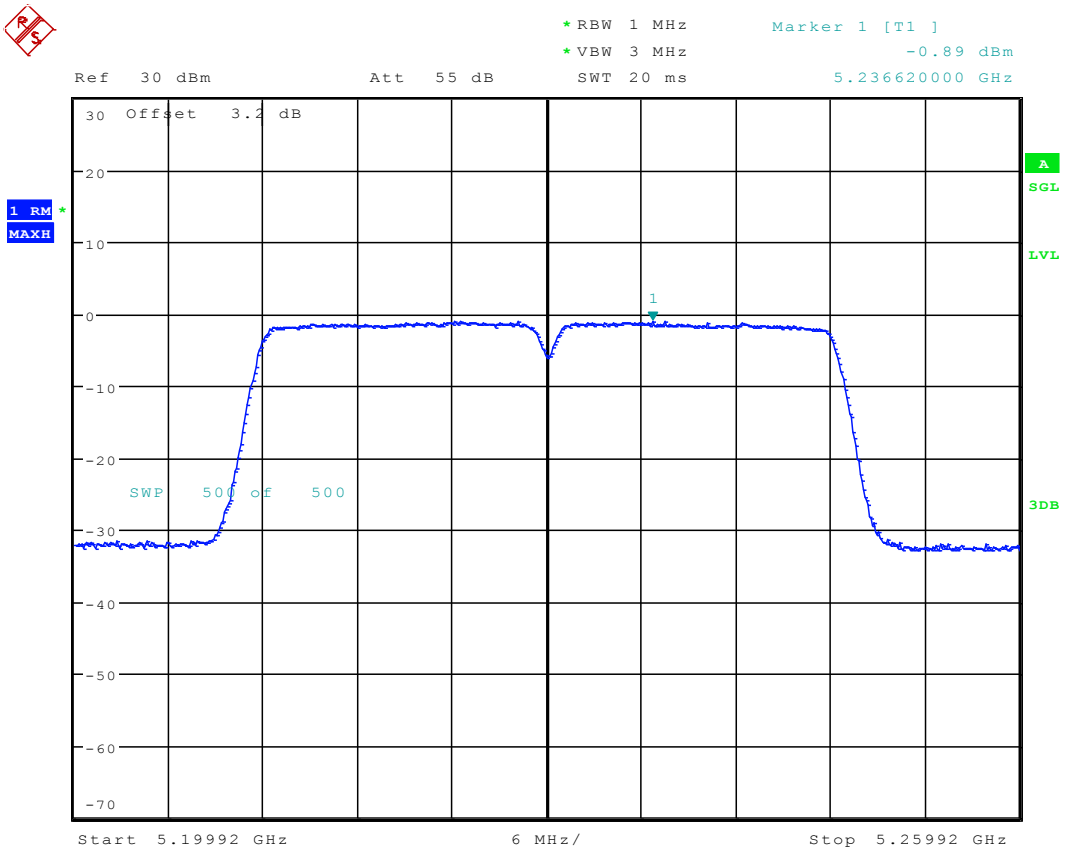
11.116 11AC40_46 Ant 2



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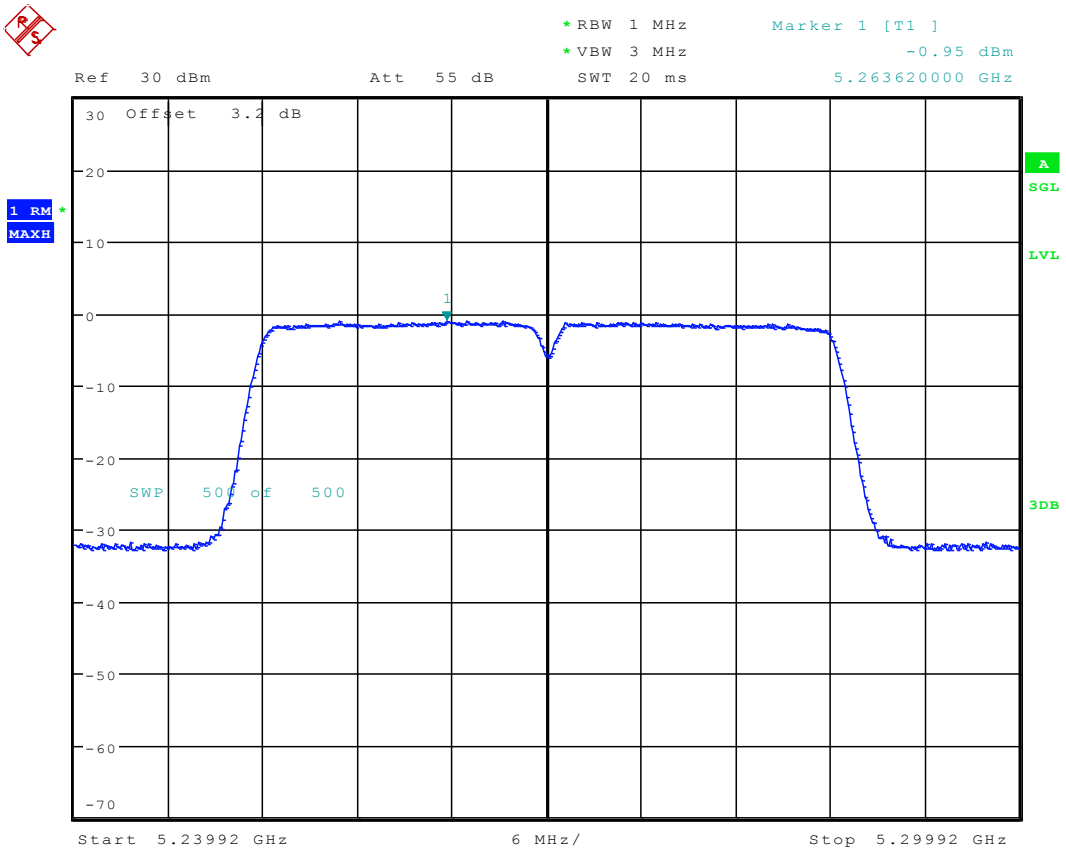
11.117 11AC40_54 Ant 1



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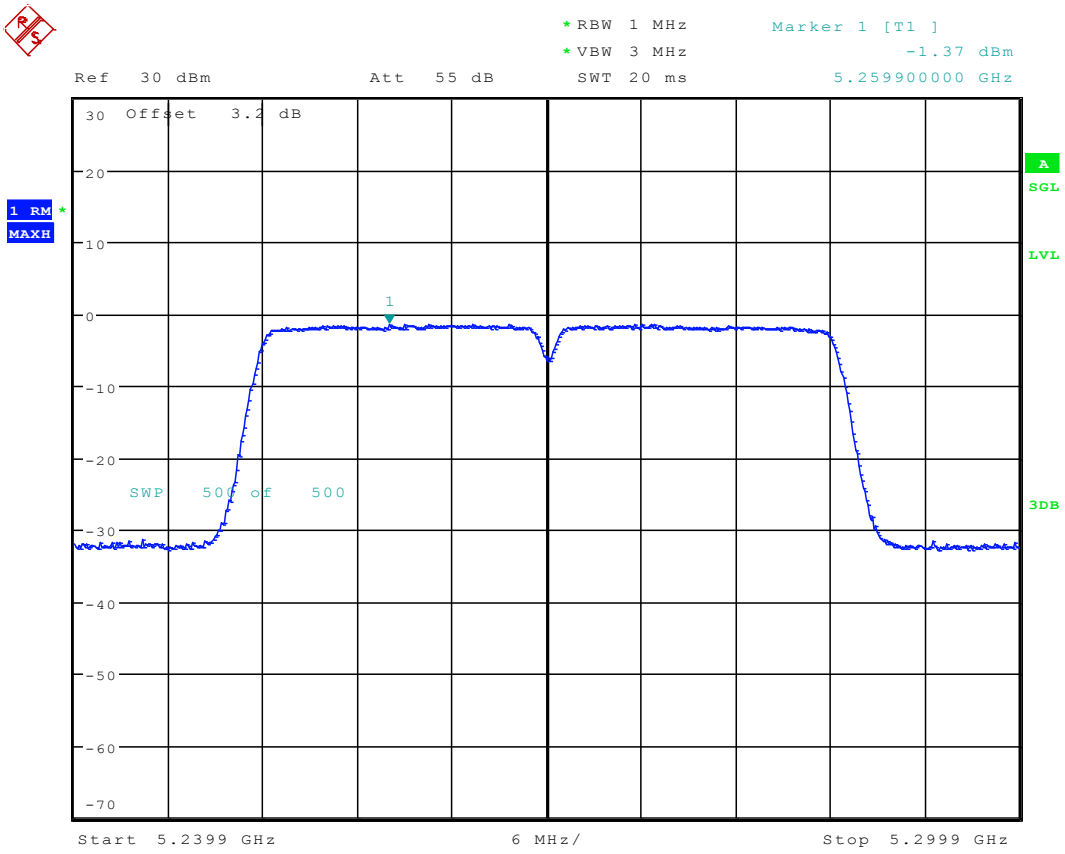
11.118 11AC40_54 Ant 2



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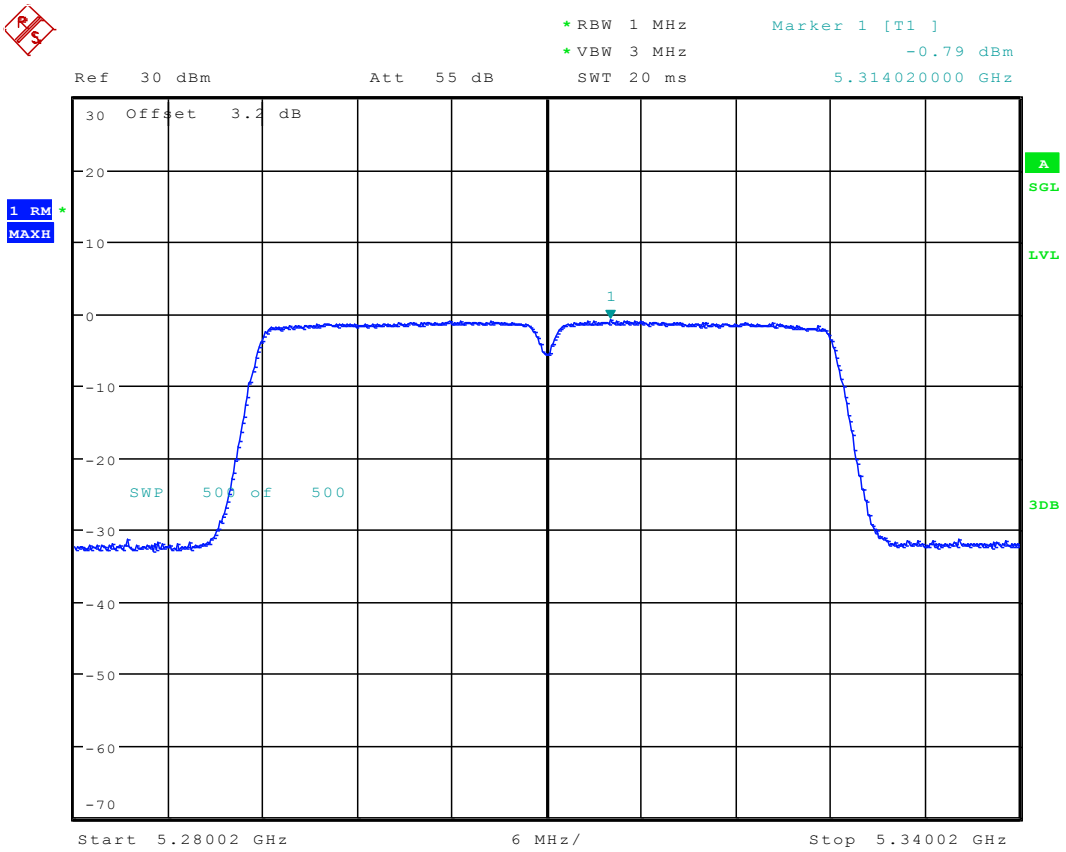
11.119 11AC40_62 Ant 1



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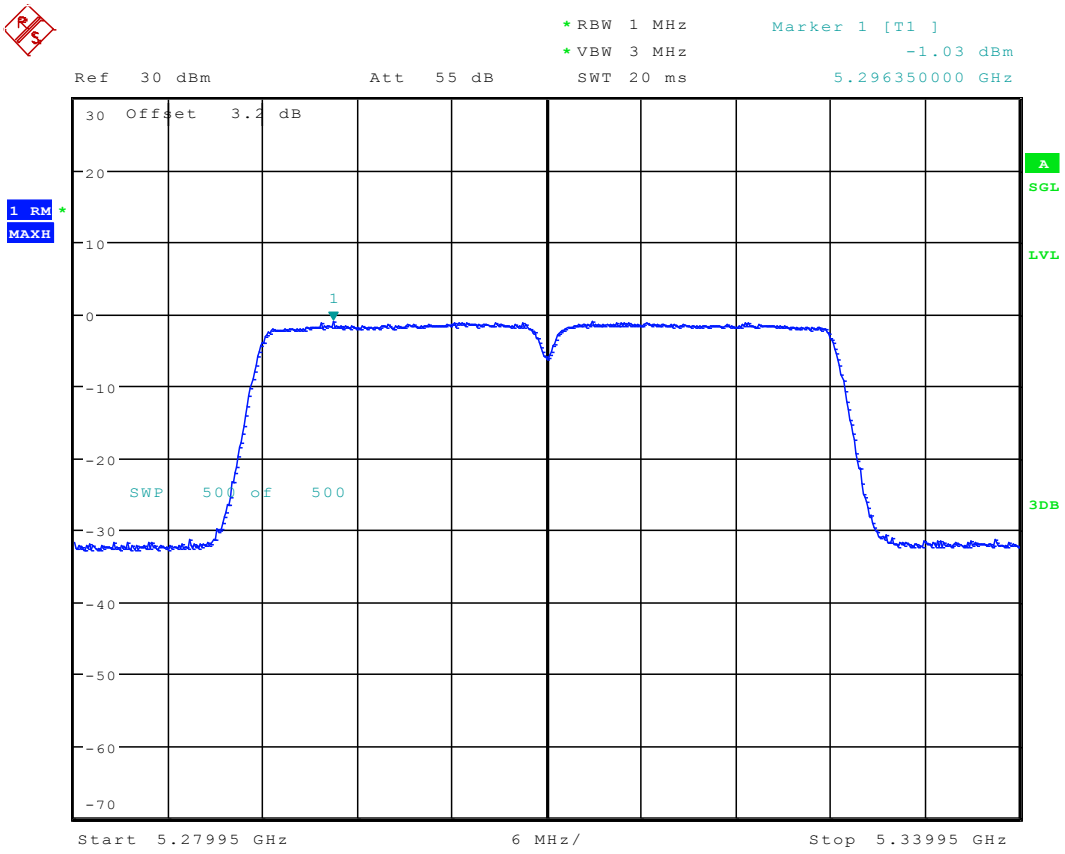
11.120 11AC40_62 Ant 2



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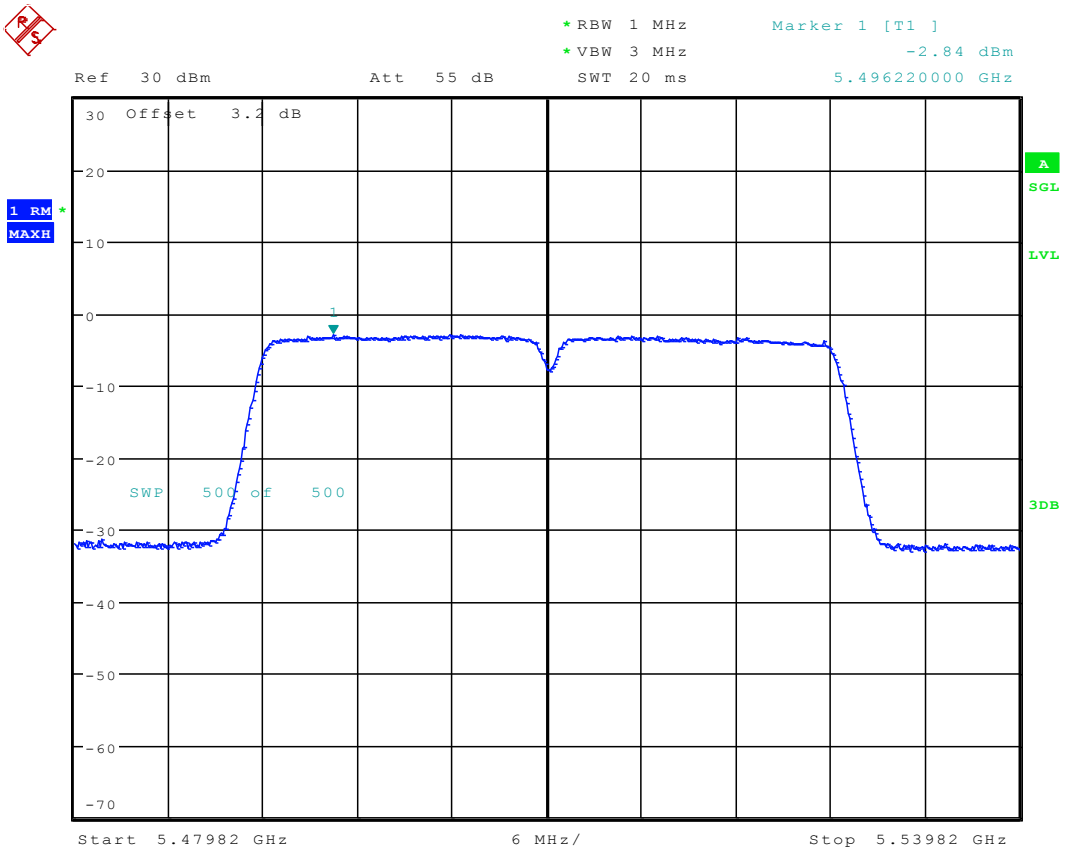
11.121 11AC40_102 Ant 1



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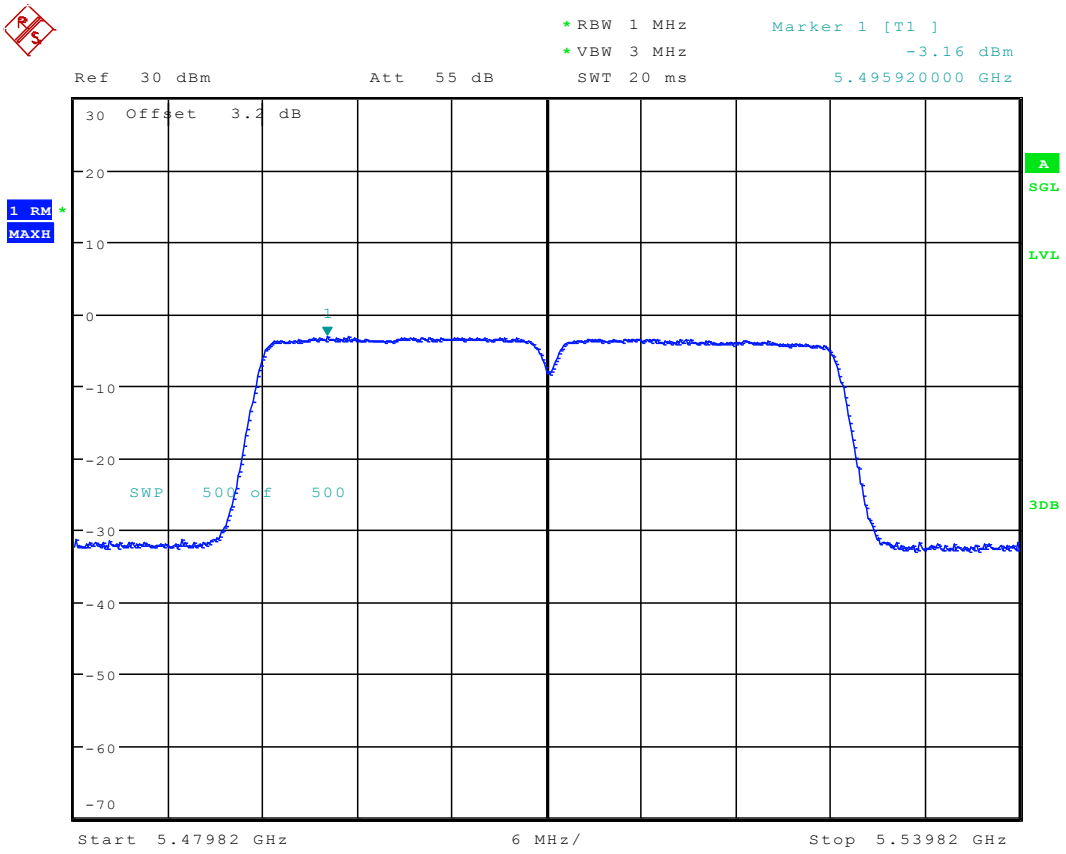
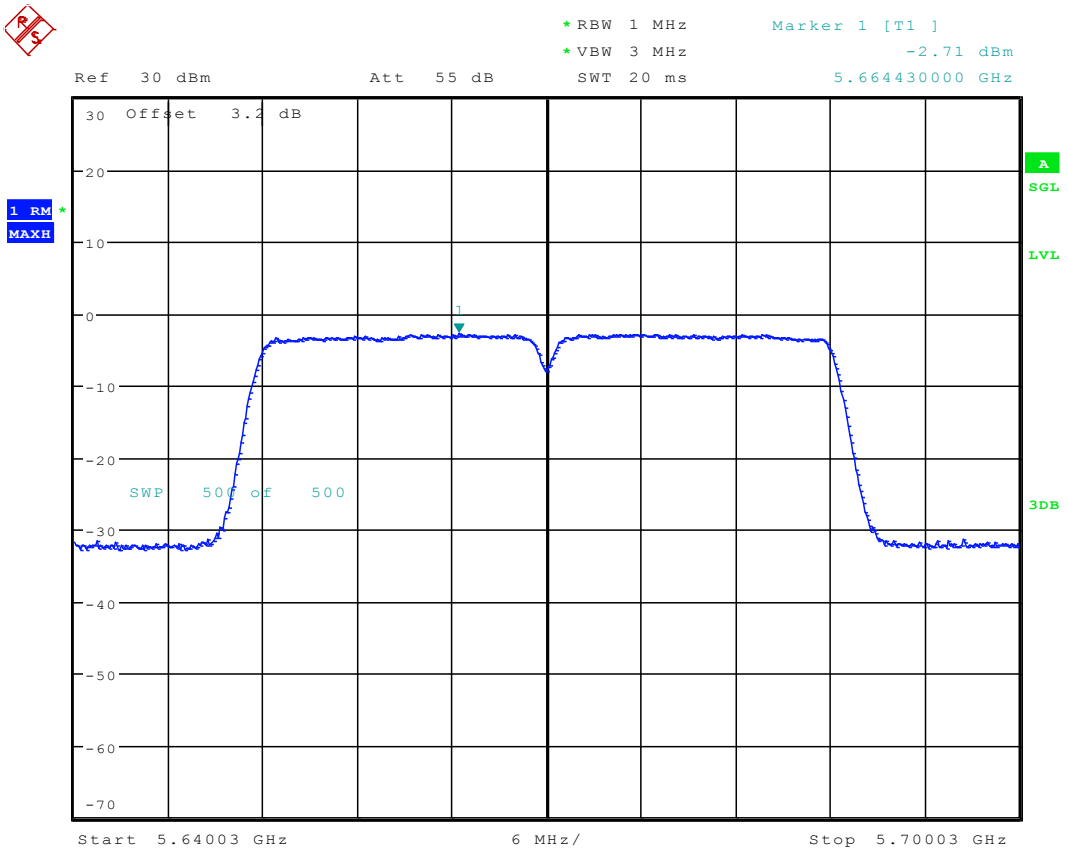
11.122 11AC40_102 Ant 2



Date: 14.MAR.2016 16:26:18

11.123 11AC40_134 Ant 1



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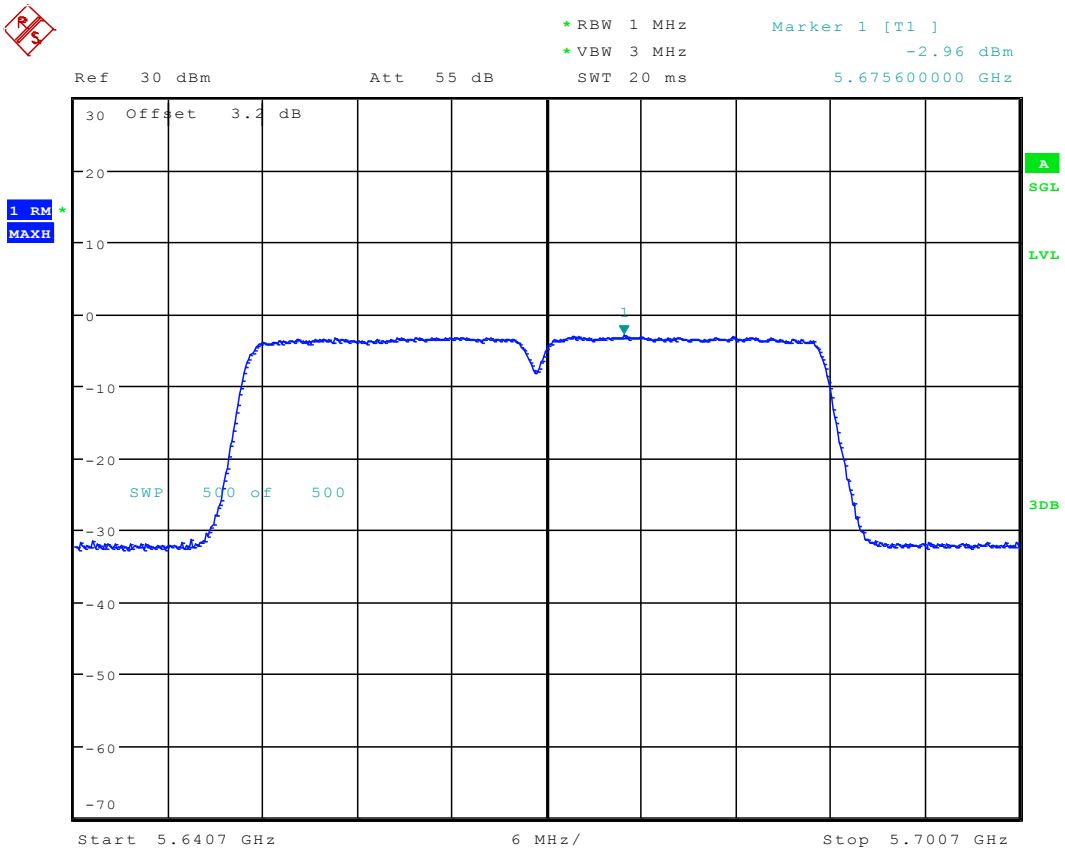
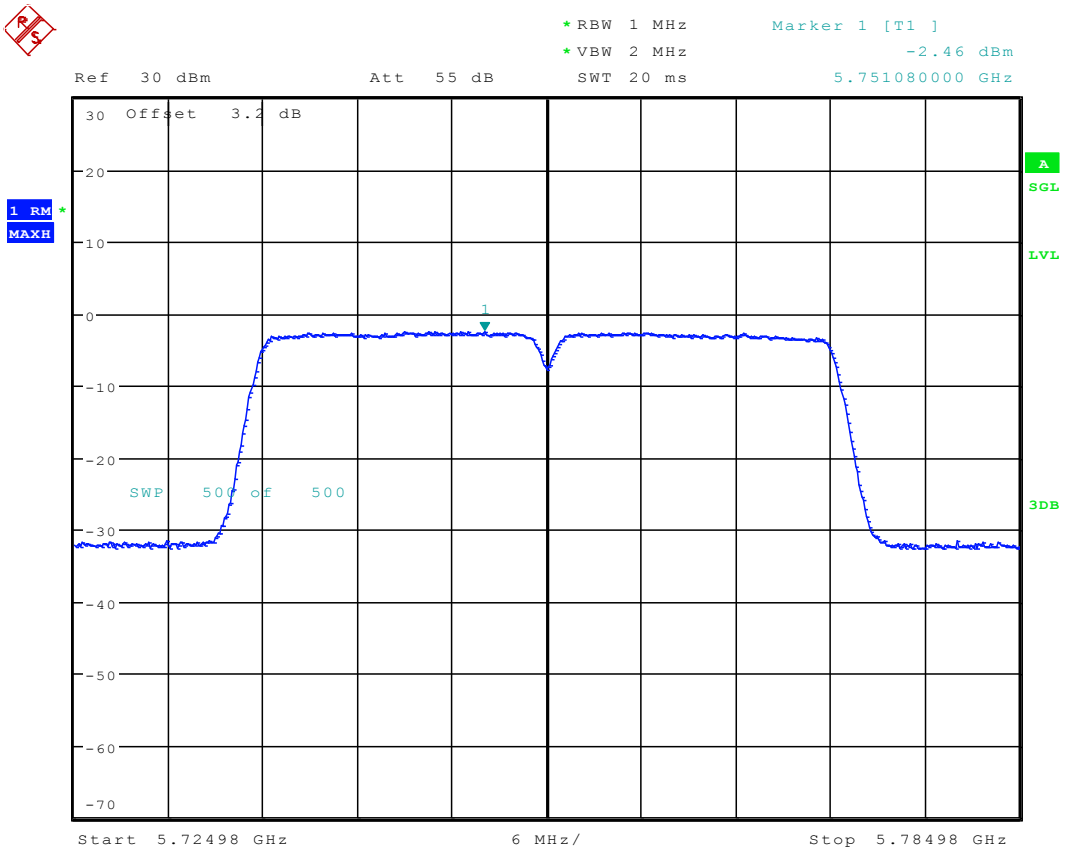
11.124 11AC40_134 Ant 2



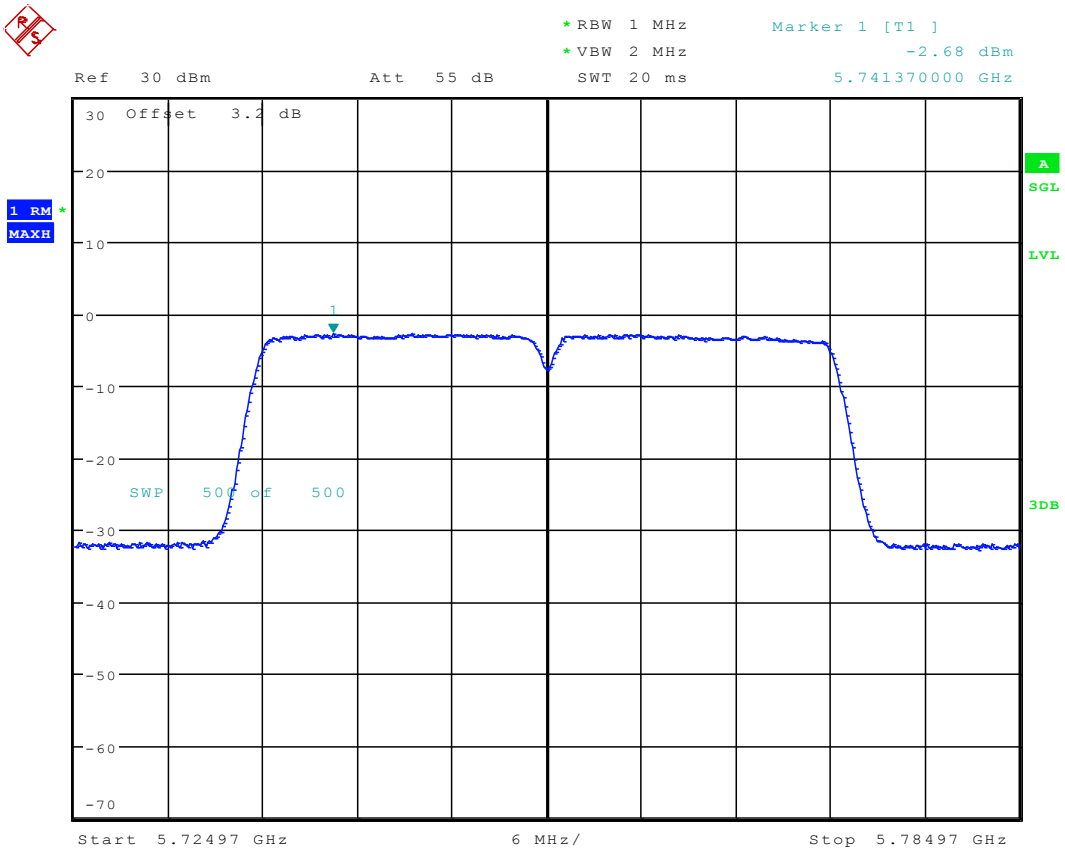
Date: 14.MAR.2016 16:33:07

11.125 11AC40_151 Ant 1



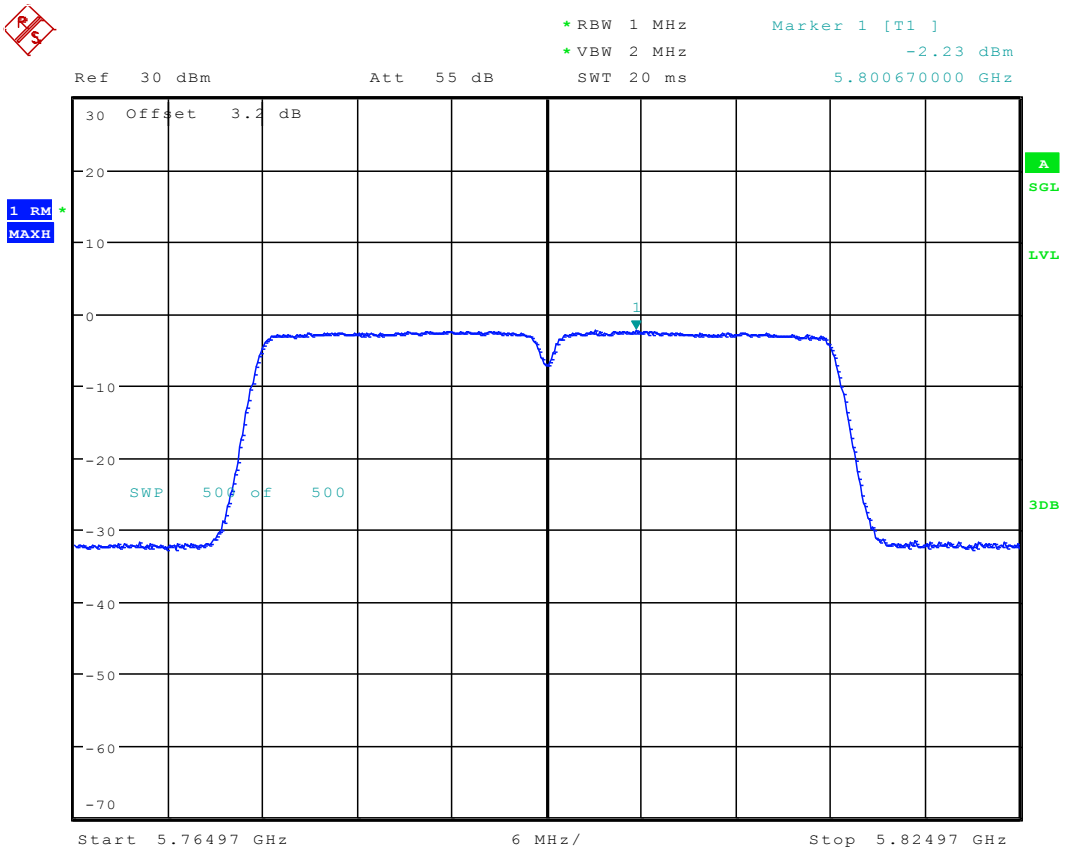
Date: 15.MAR.2016 10:20:04

11.126 11AC40_151 Ant 2



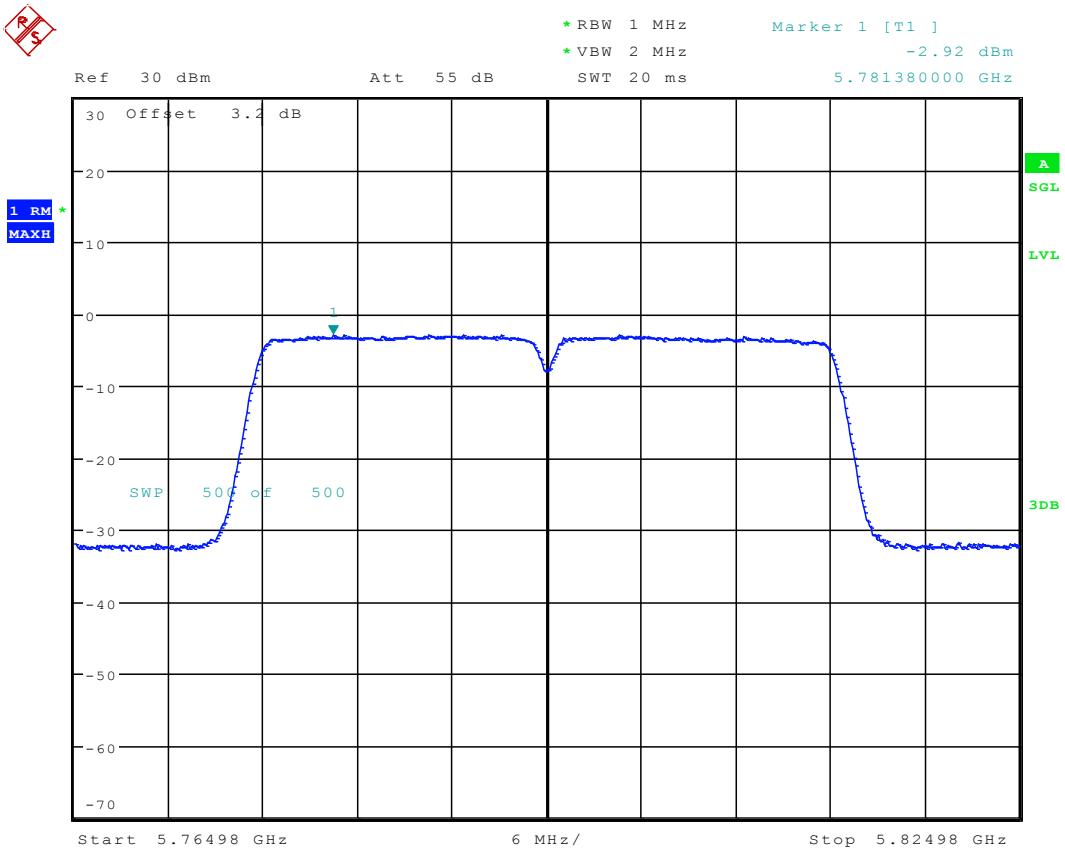
Date: 14.MAR.2016 16:38:30

11.127 11AC40_159 Ant 1



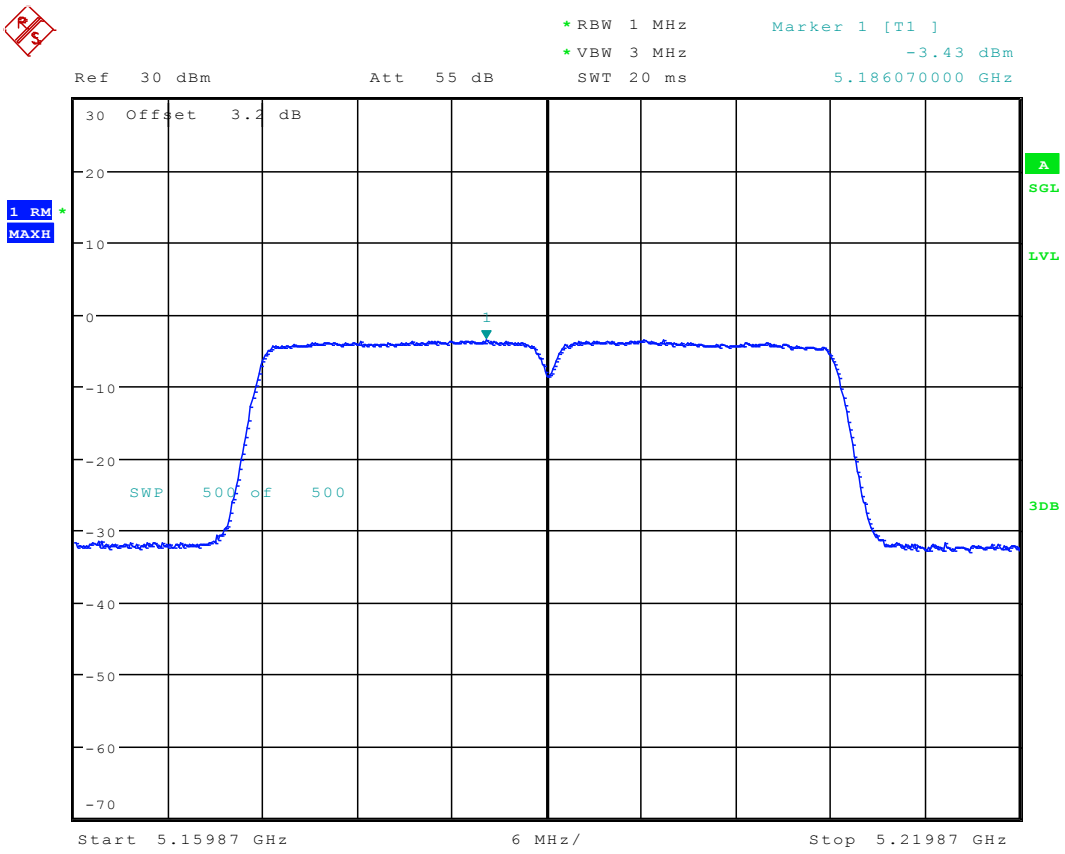
Date: 15.MAR.2016 10:25:30

11.128 11AC40_159 Ant 2



Date: 14.MAR.2016 16:44:10

11.129 11AC40M_38 Ant 1



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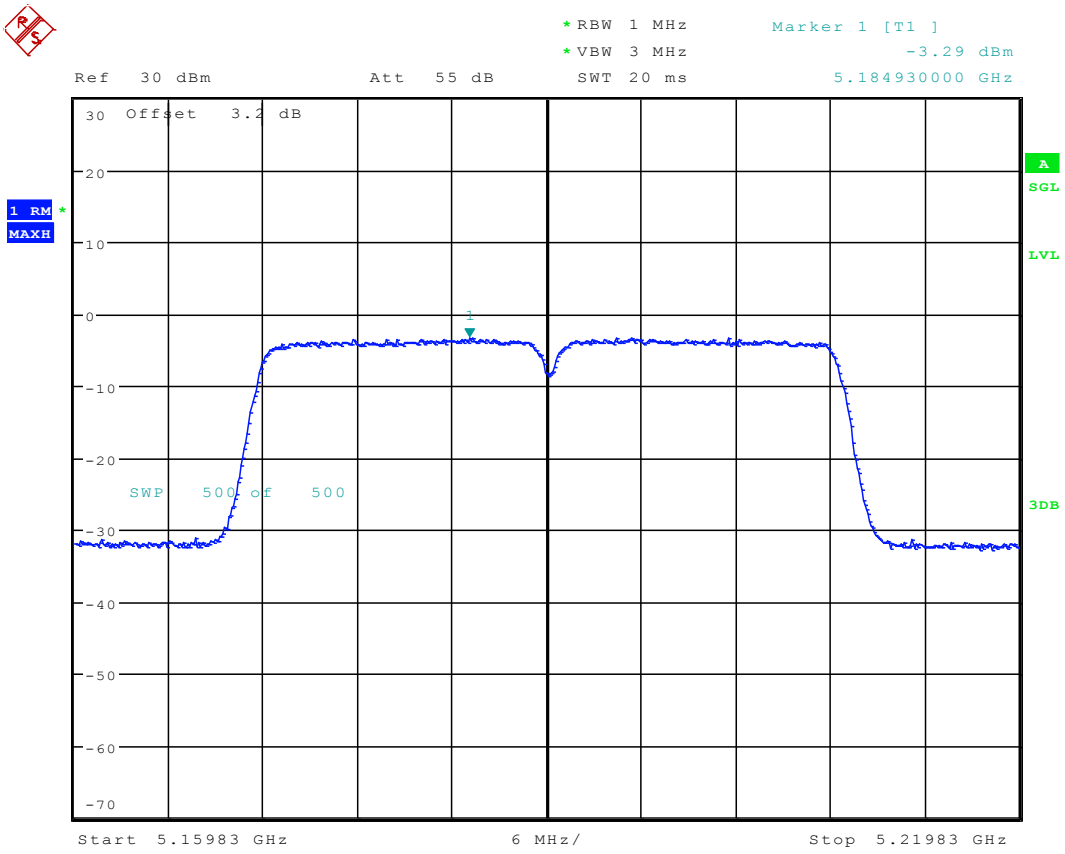
11.130 11AC40M_38 Ant 2



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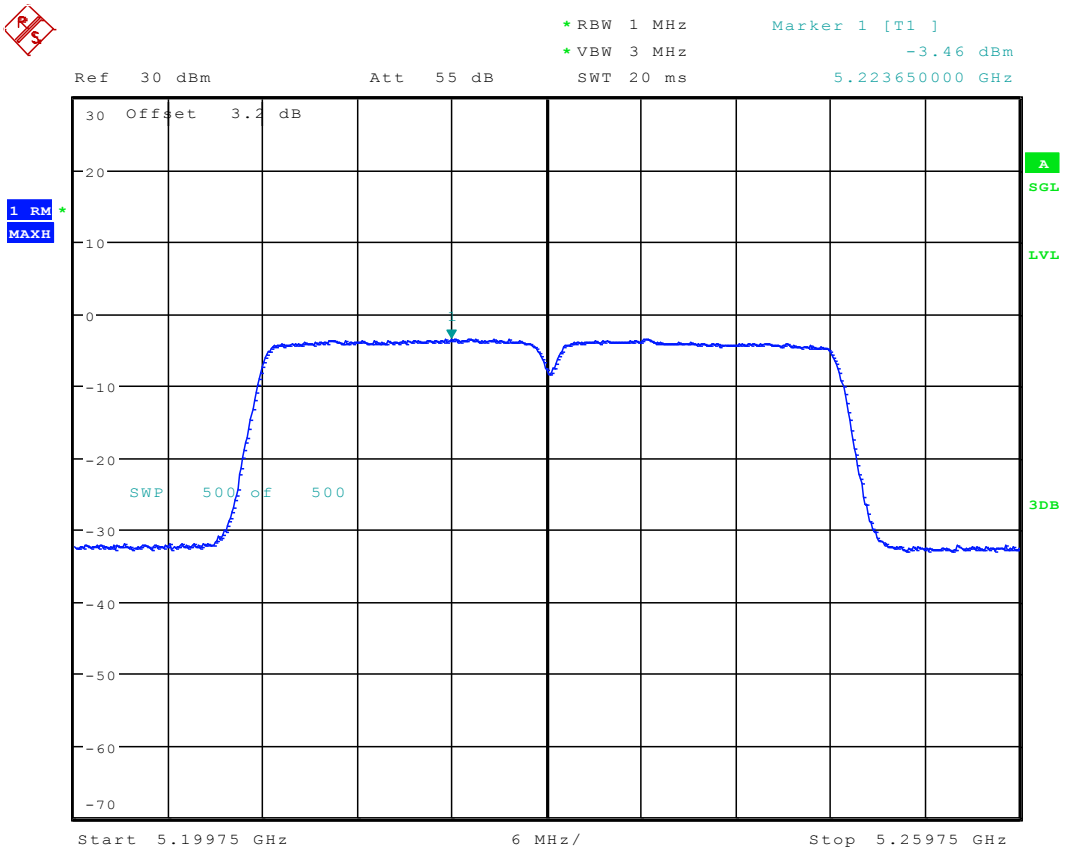
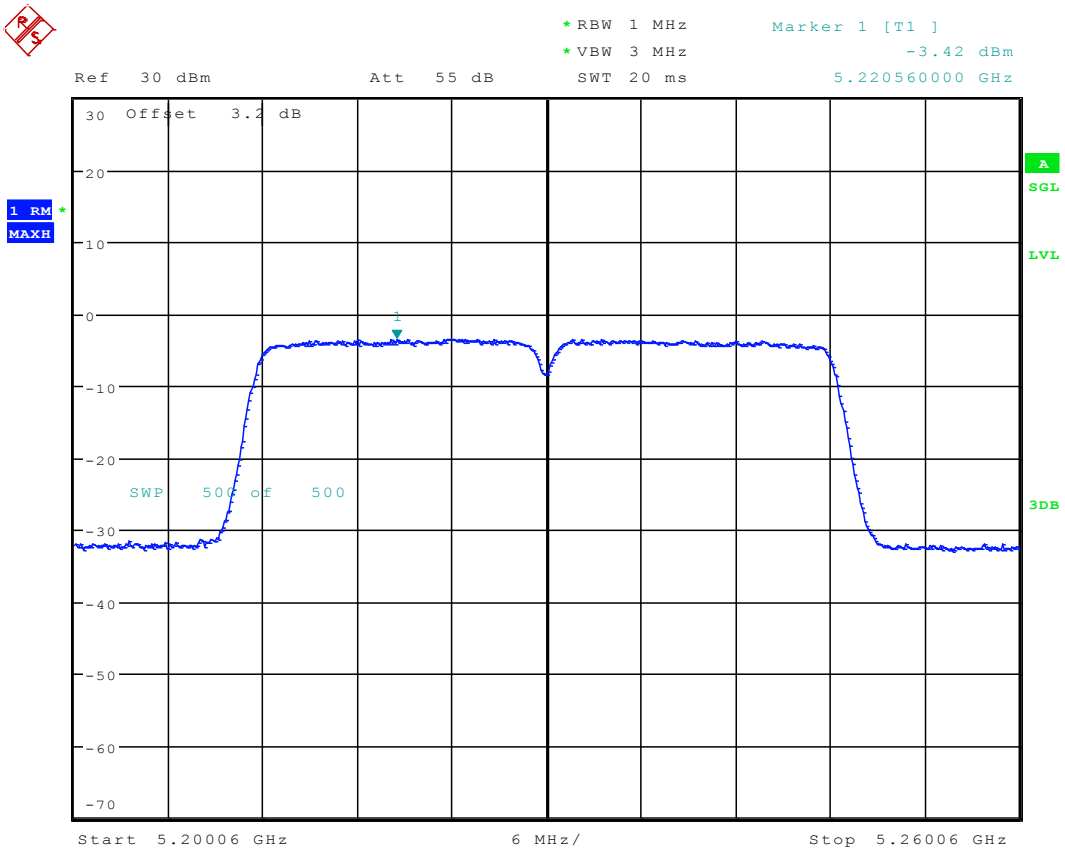
11.131 11AC40M_46 Ant 1



Date: 15.MAR.2016 18:43:07

11.132 11AC40M_46 Ant 2



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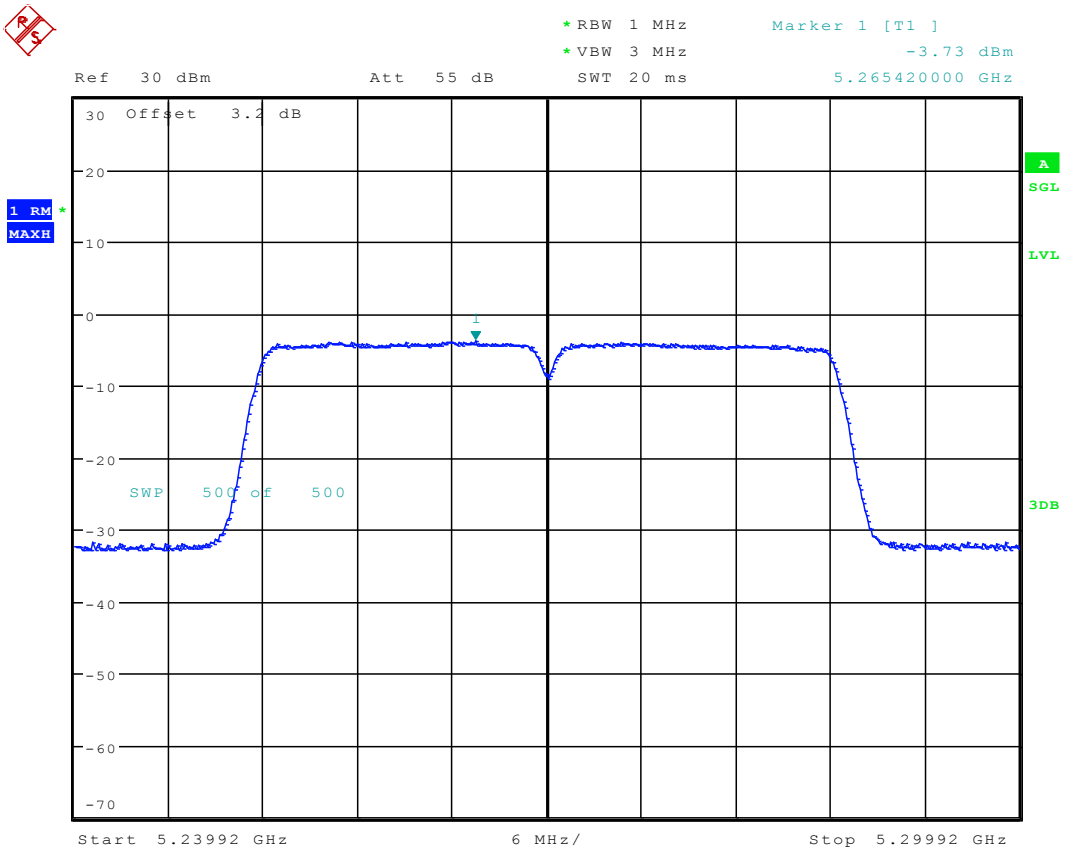
11.133 11AC40M_54 Ant 1



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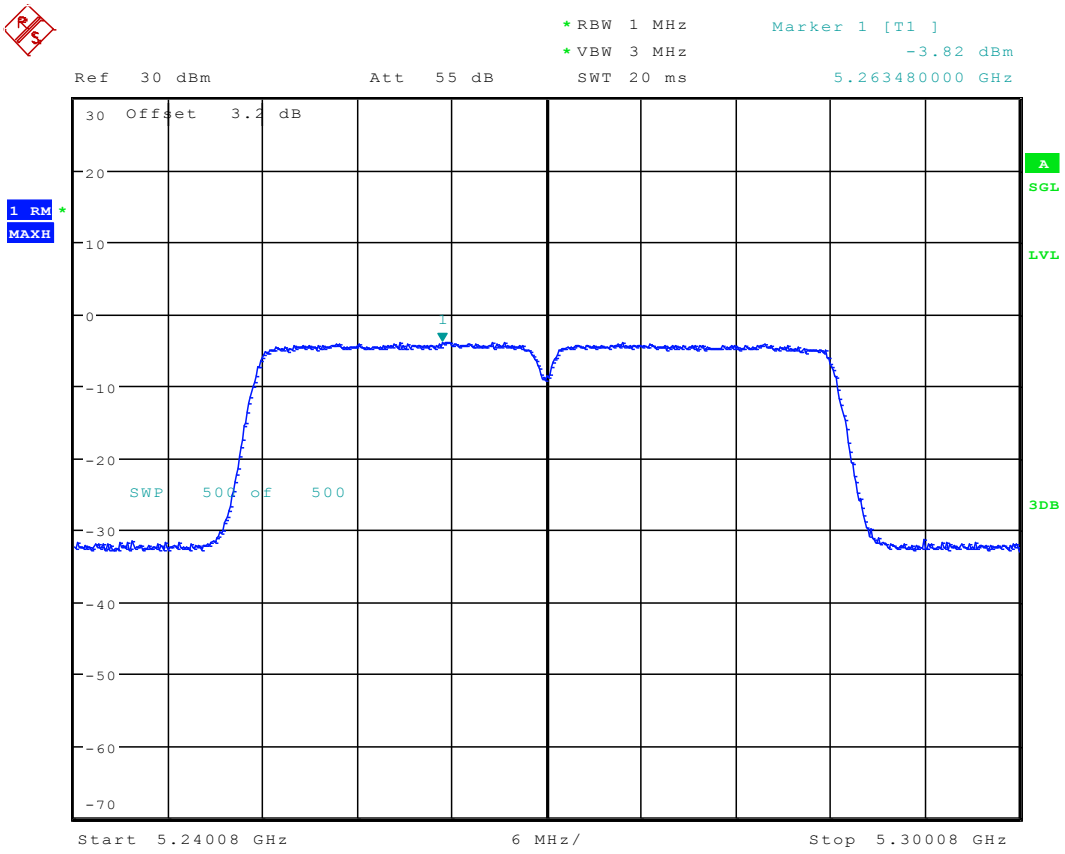
11.134 11AC40M_54 Ant 2



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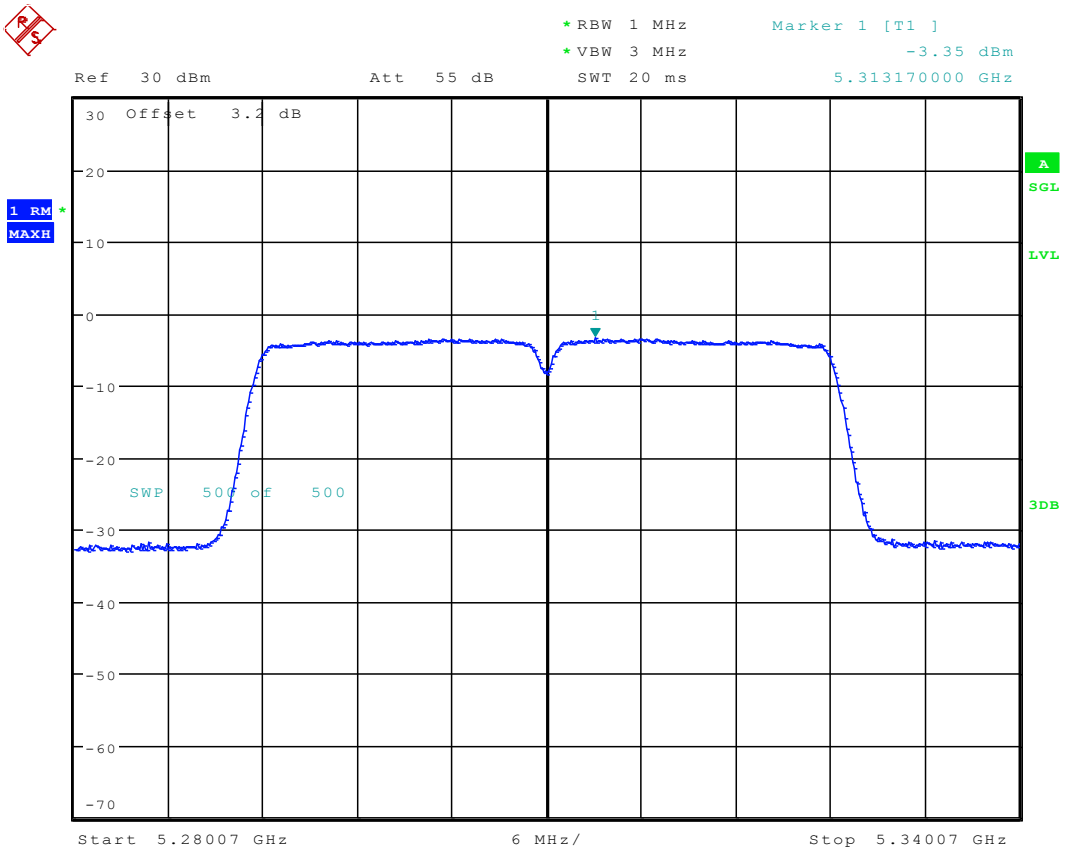
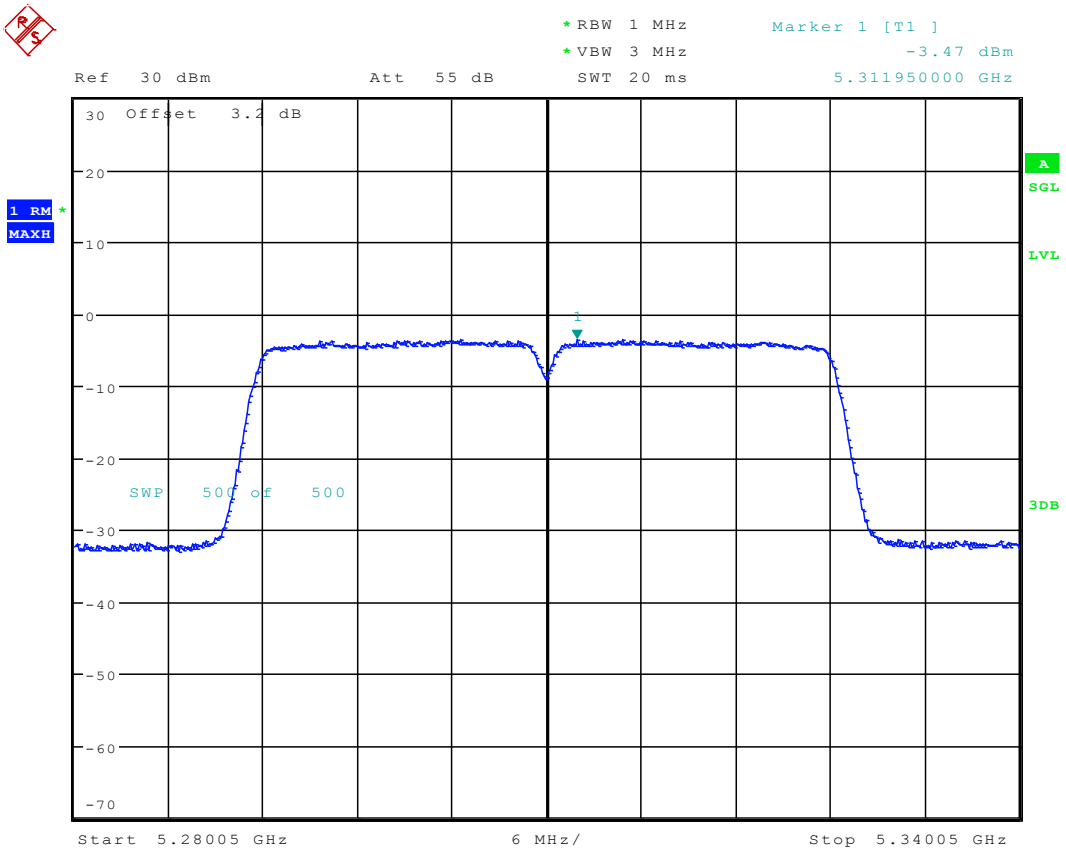
11.135 11AC40M_62 Ant 1



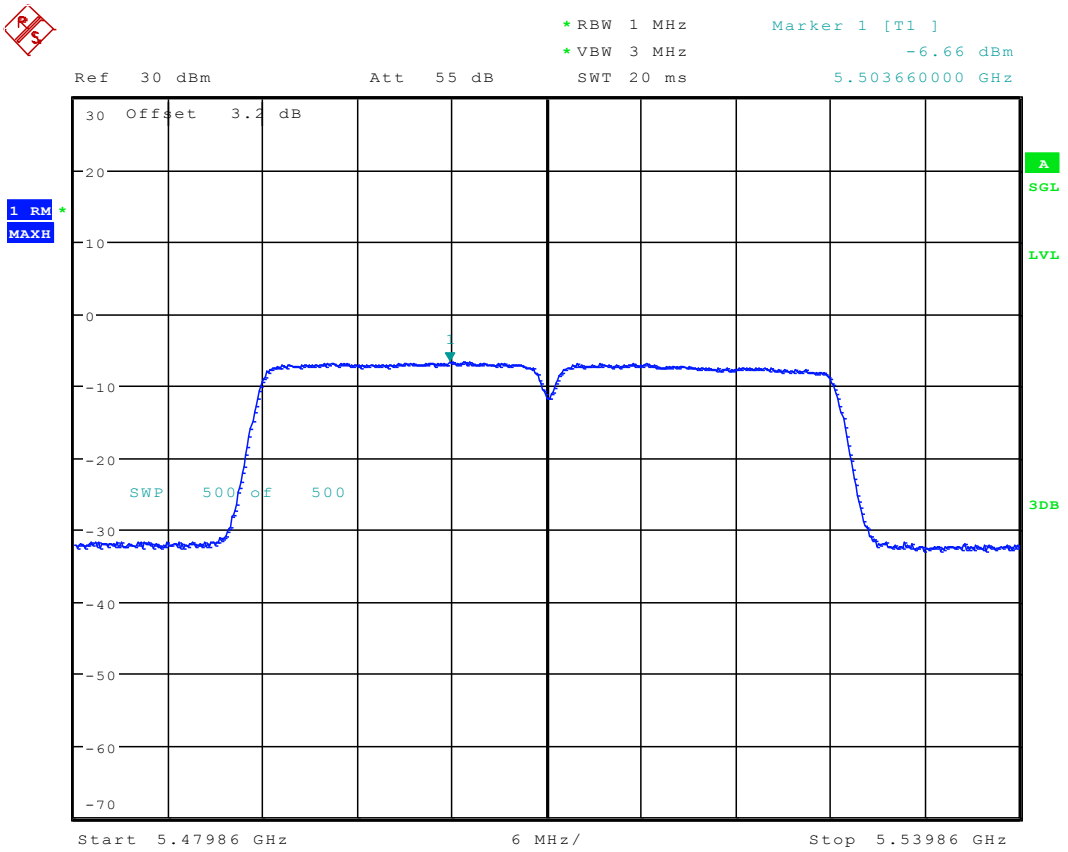
Date: 16.MAR.2016 10:10:03

11.136 11AC40M_62 Ant 2



Date: 16.MAR.2016 15:42:58

11.137 11AC40M_102 Ant 1



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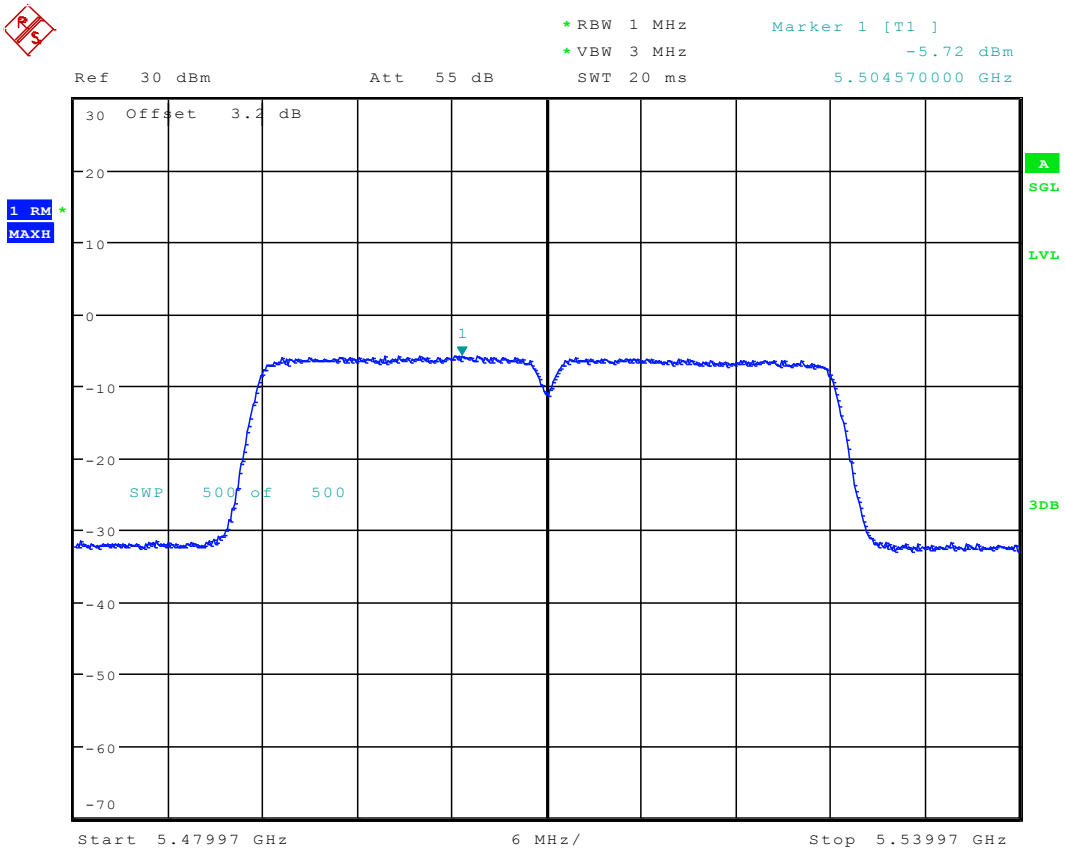
11.138 11AC40M_102 Ant 2



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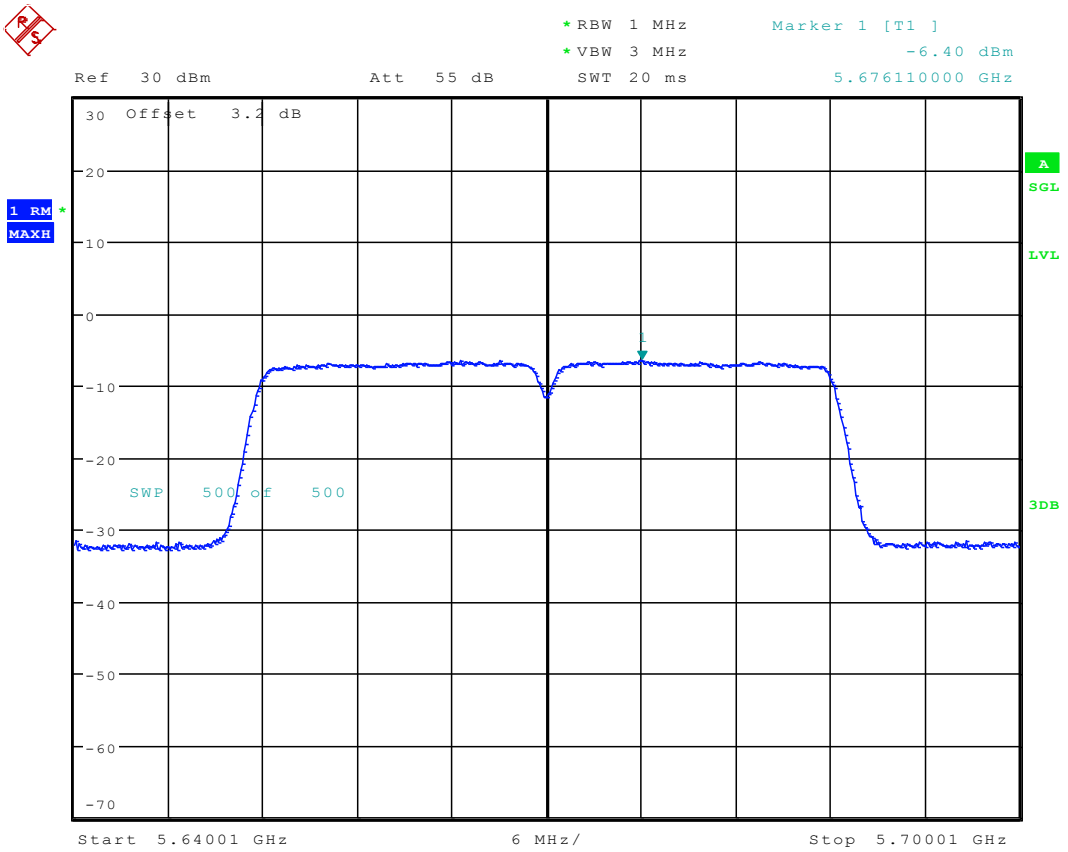
11.139 11AC40M_134 Ant 1



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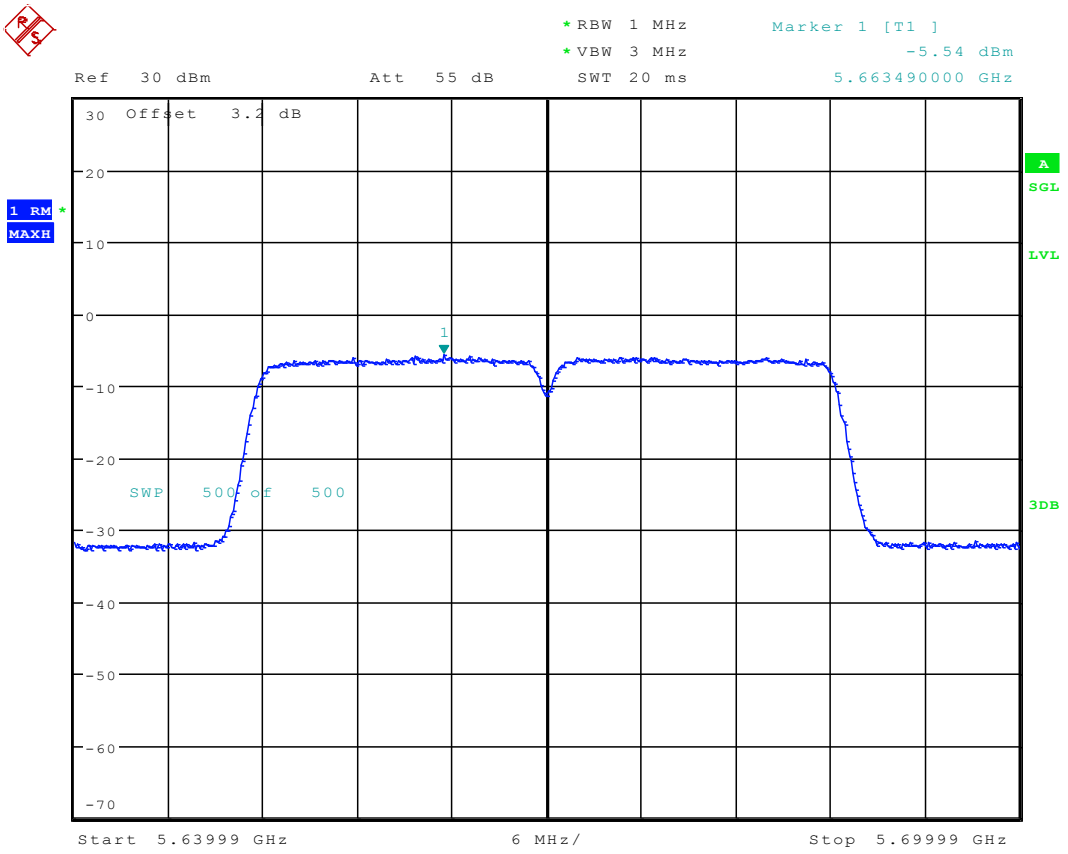
11.140 11AC40M_134 Ant 2



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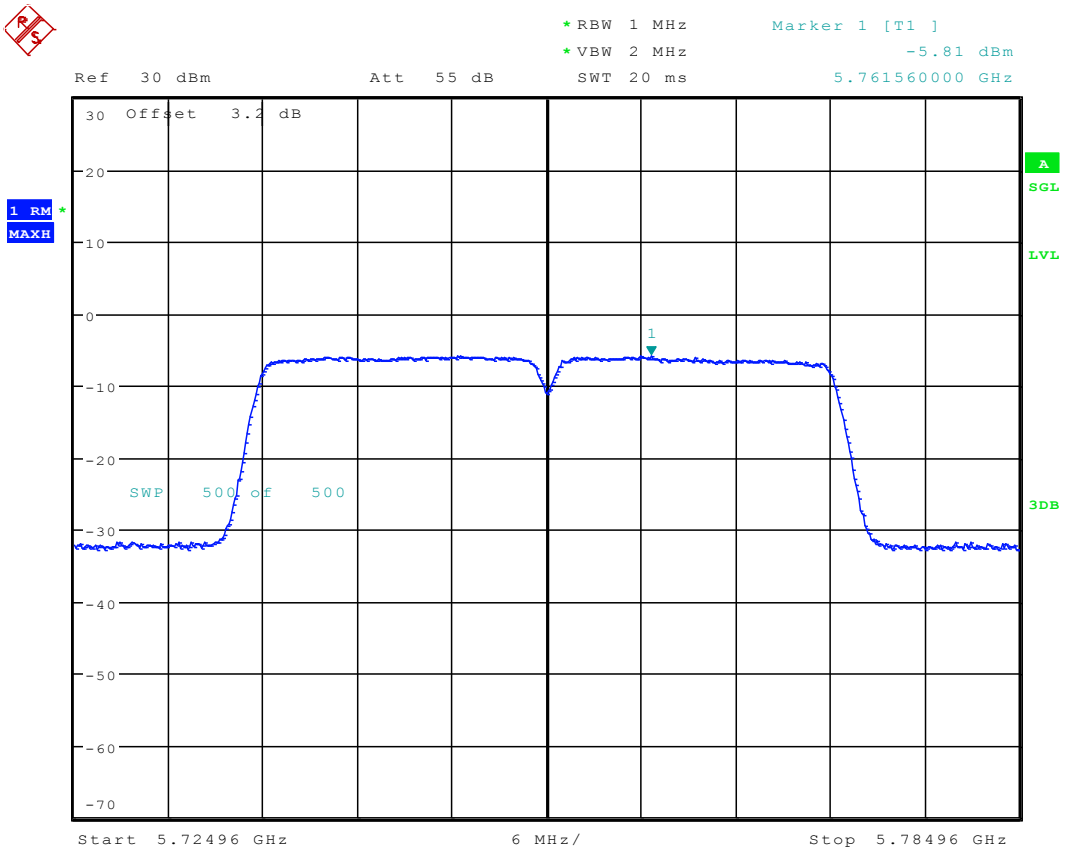
11.141 11AC40M_151 Ant 1



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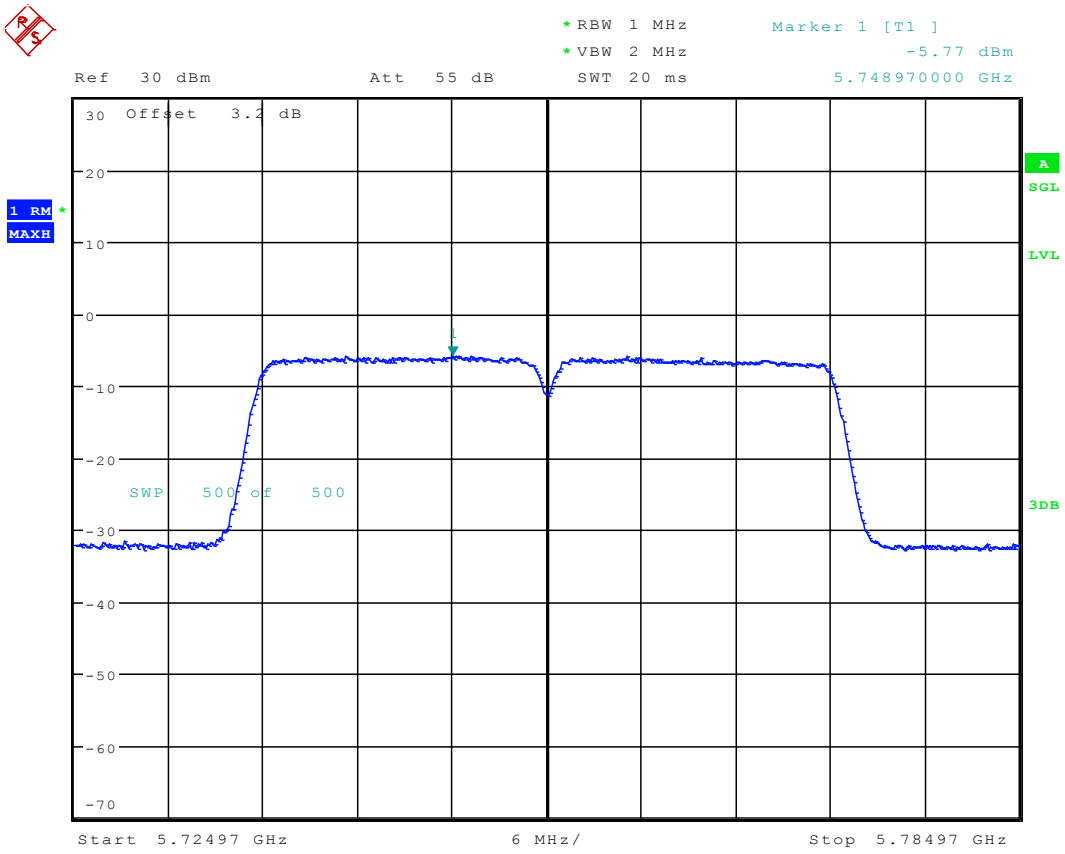
11.142 11AC40M_151 Ant 2



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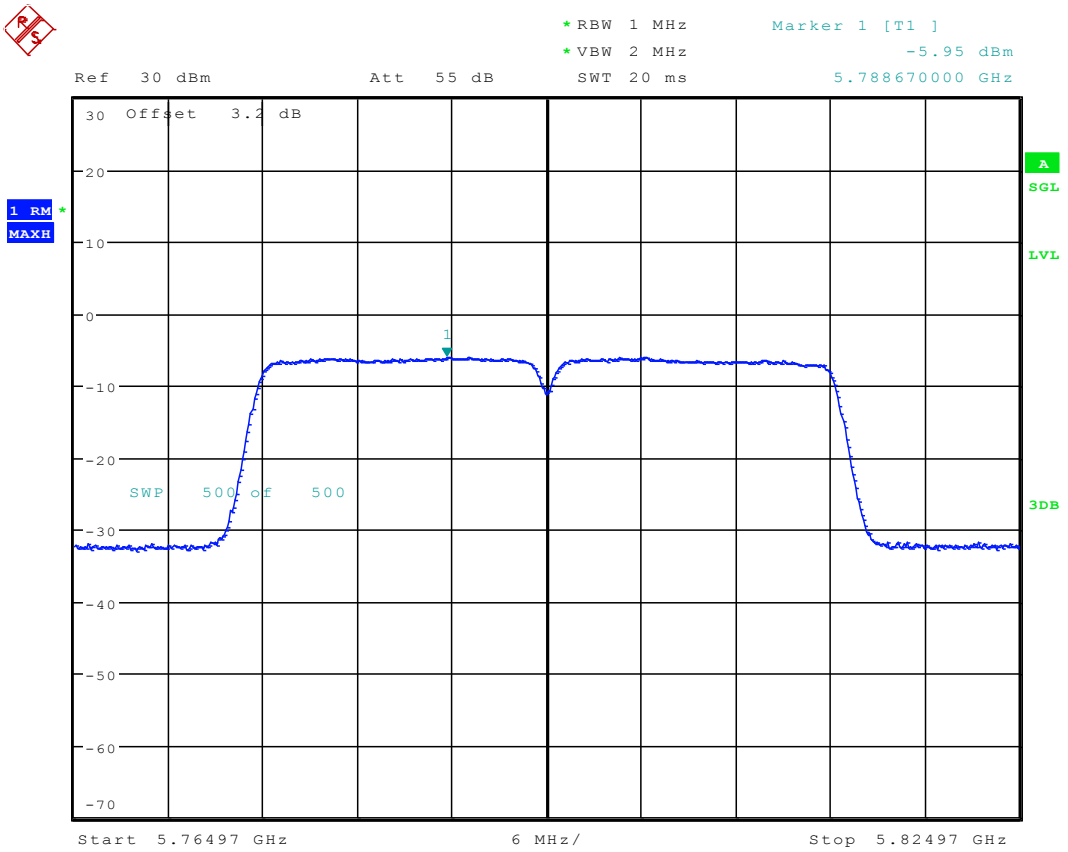
11.143 11AC40M_159 Ant 1



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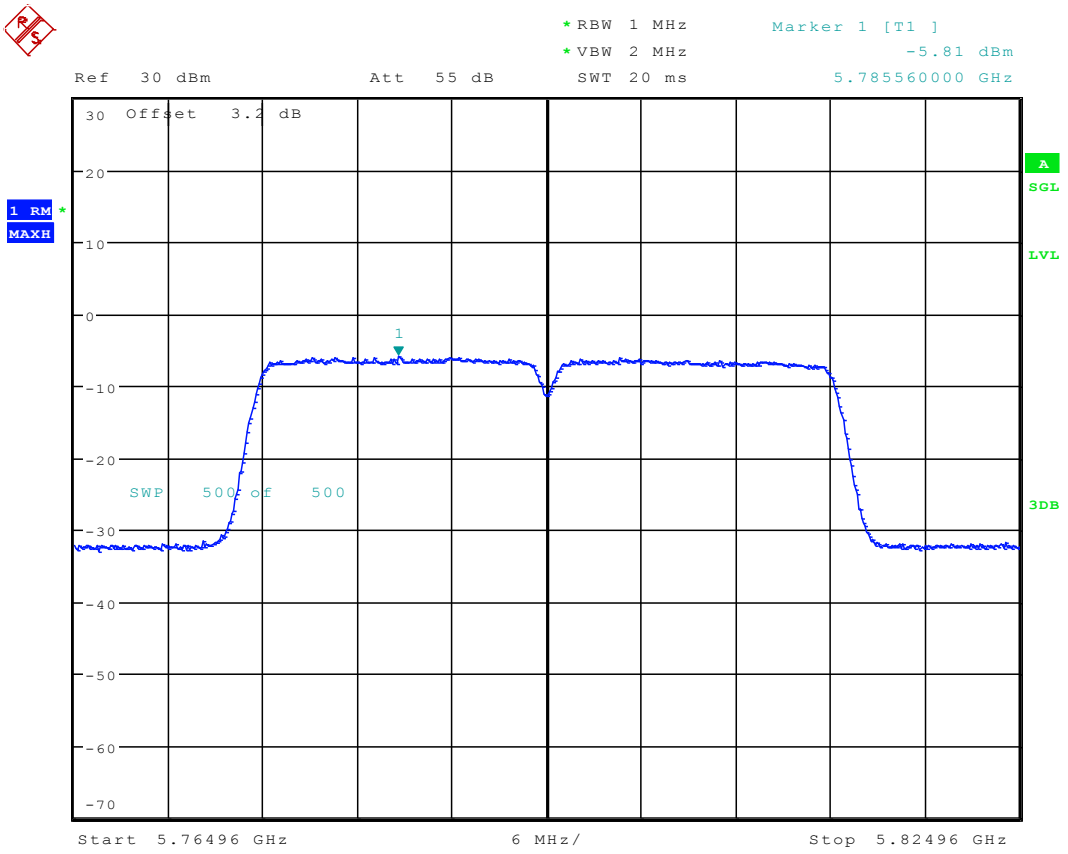
11.144 11AC40M_159 Ant 2



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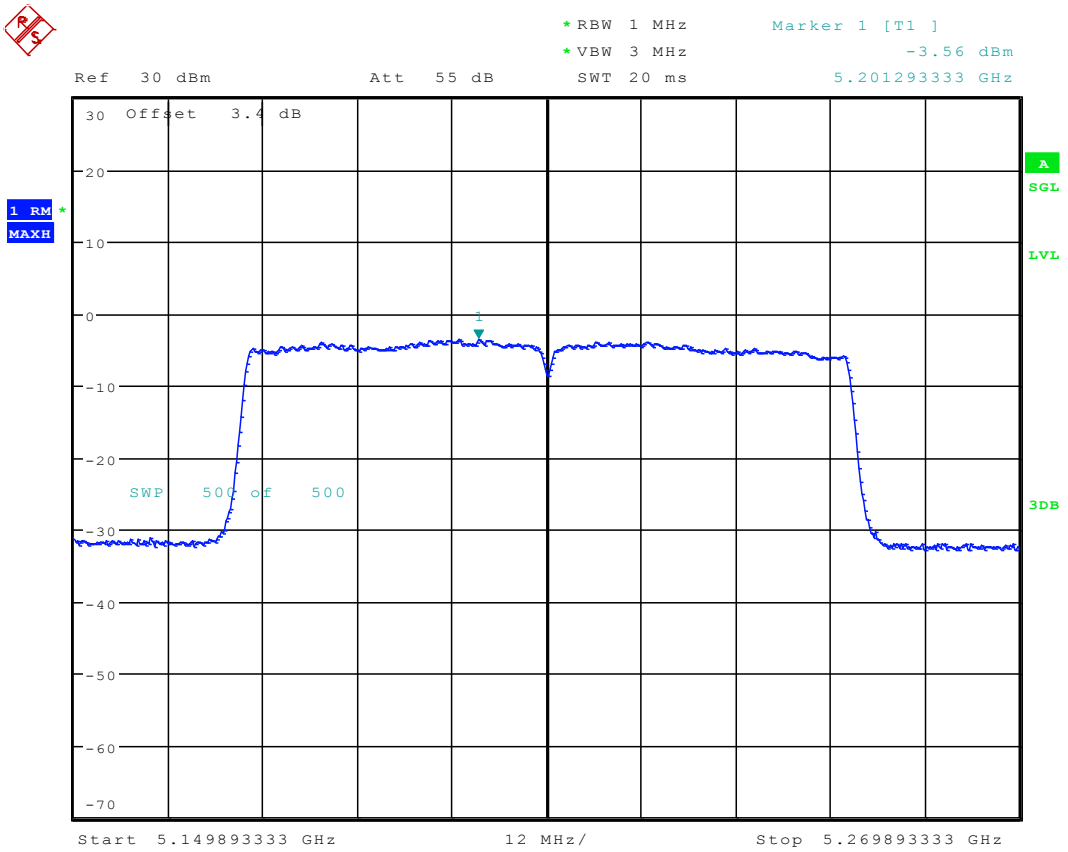
11.145 11AC80_42 Ant 1



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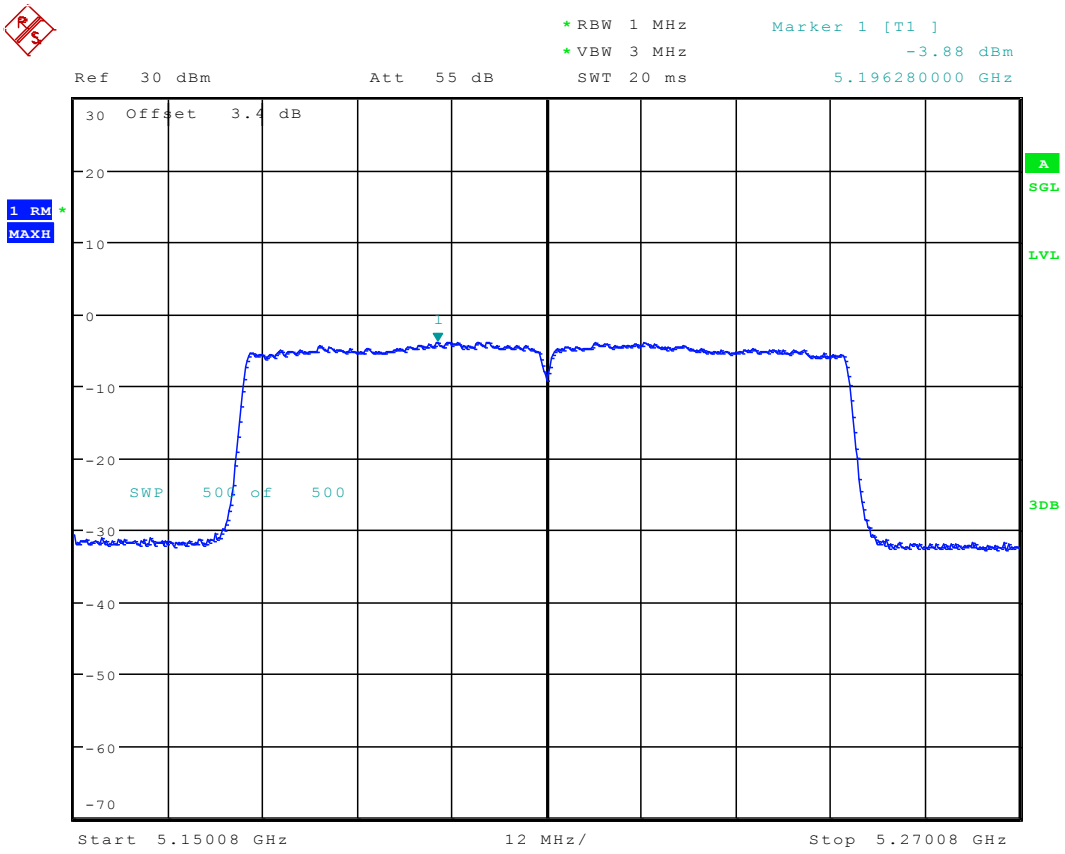
11.146 11AC80_42 Ant 2



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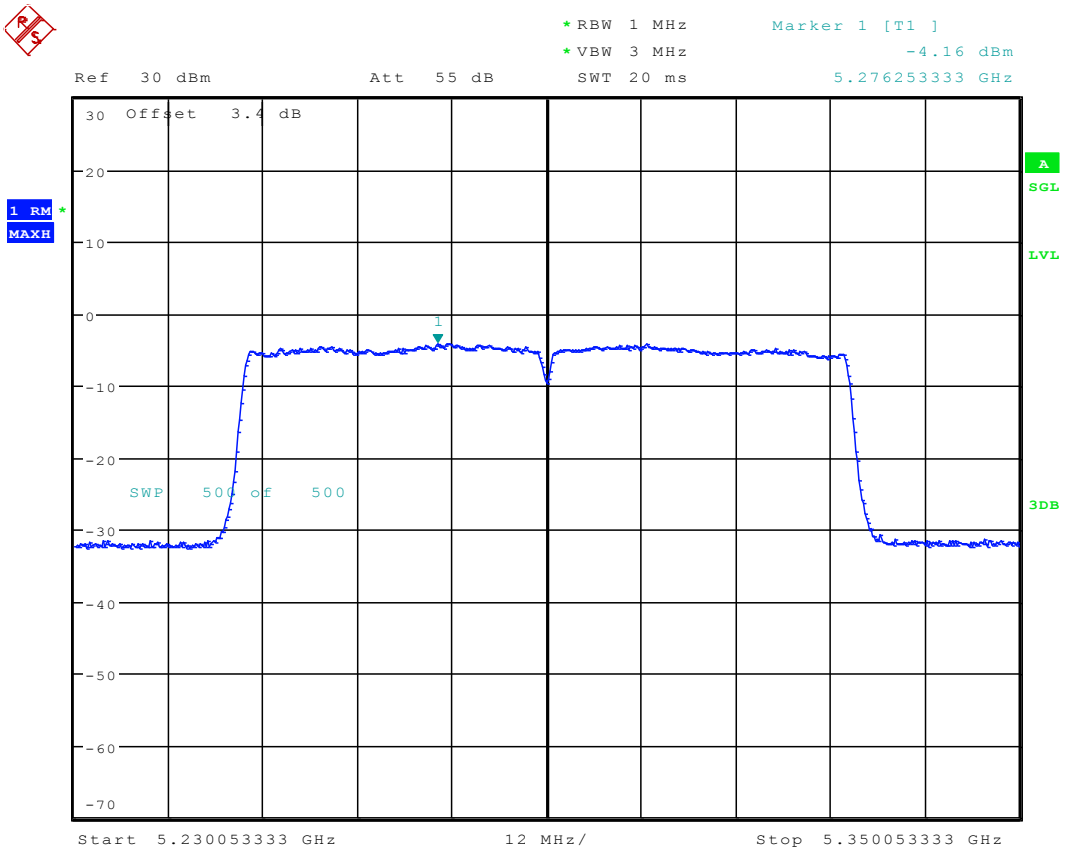
11.147 11AC80_58 Ant 1



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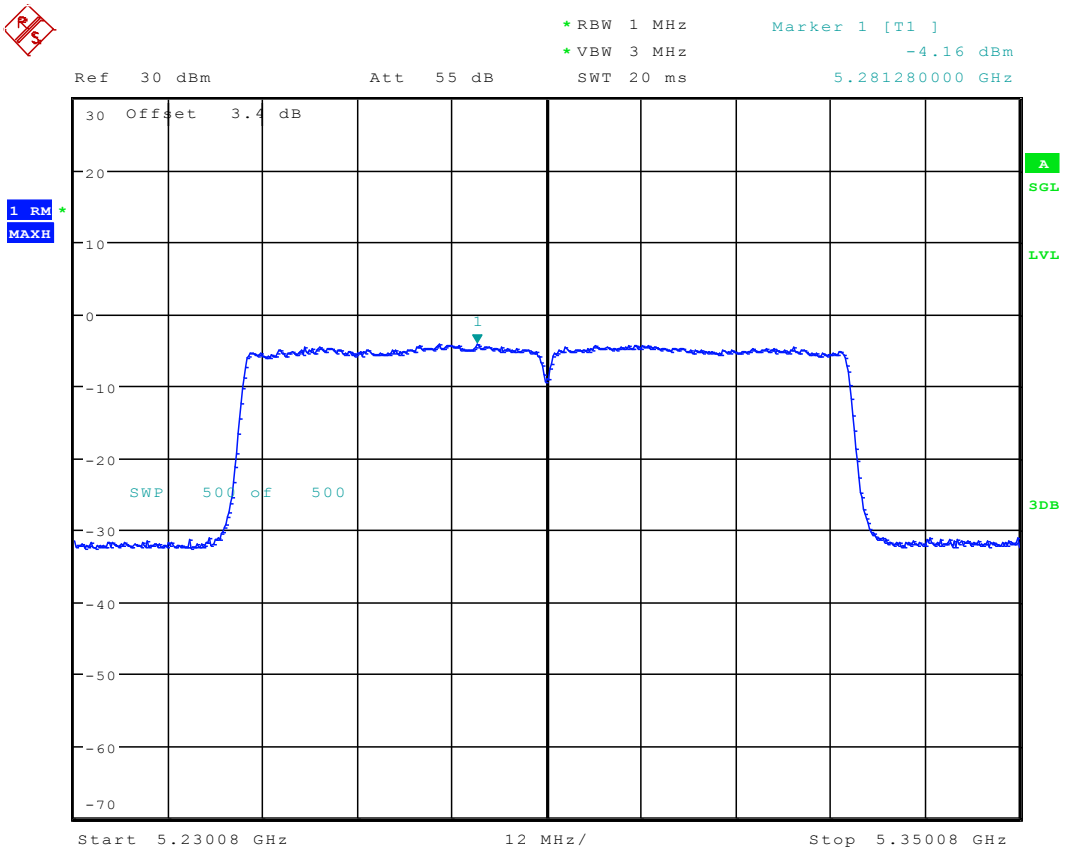
11.148 11AC80_58 Ant 2



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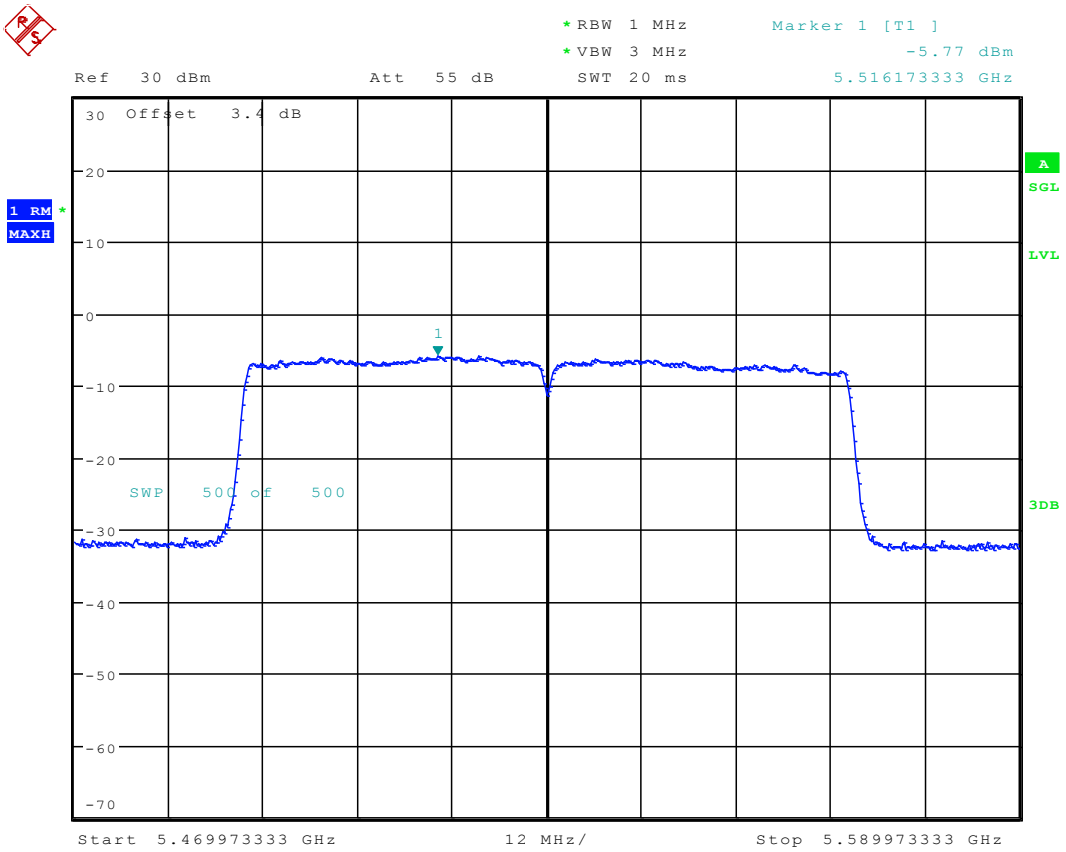
11.149 11AC80_106 Ant 1



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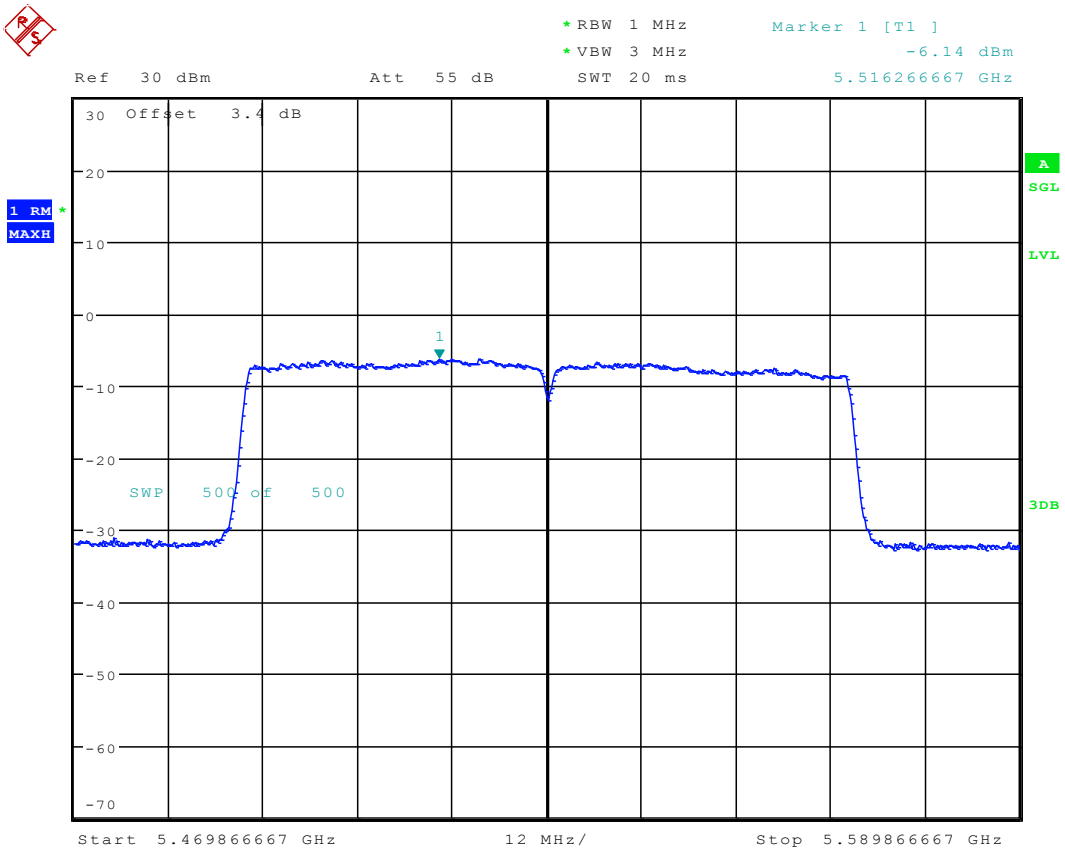
11.150 11AC80_106 Ant 2



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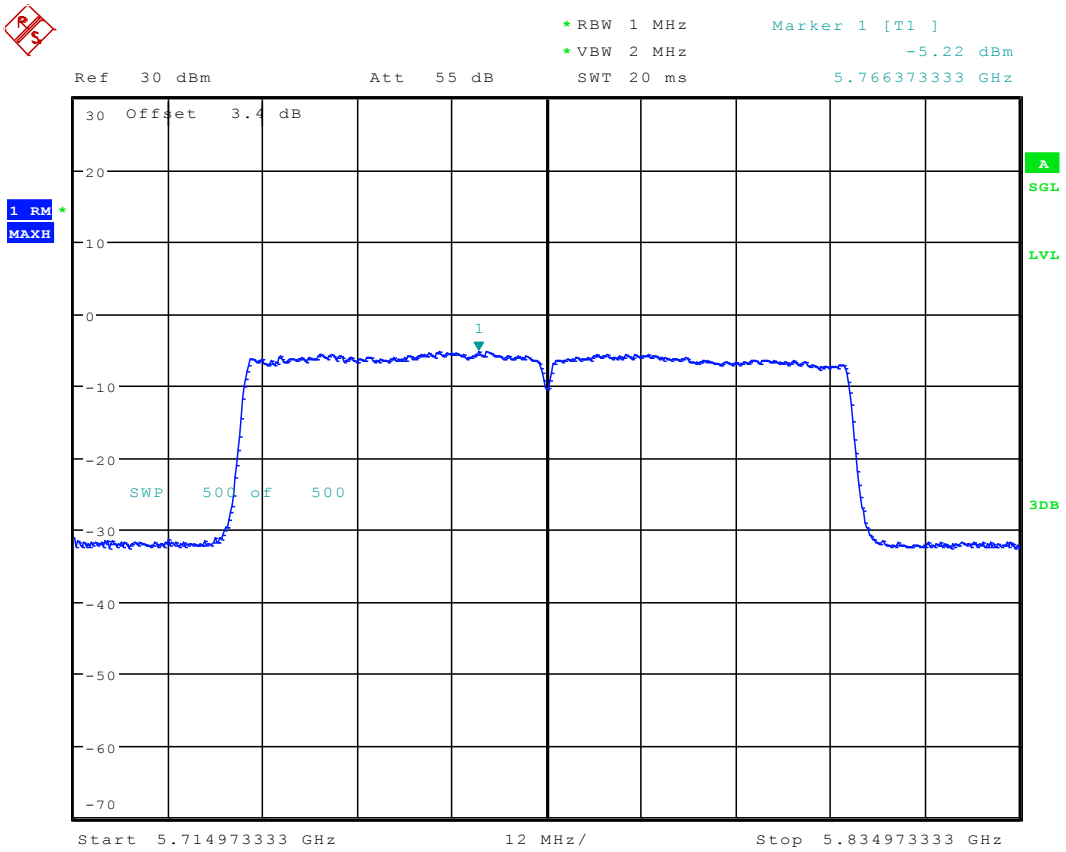
11.151 11AC80_155 Ant 1



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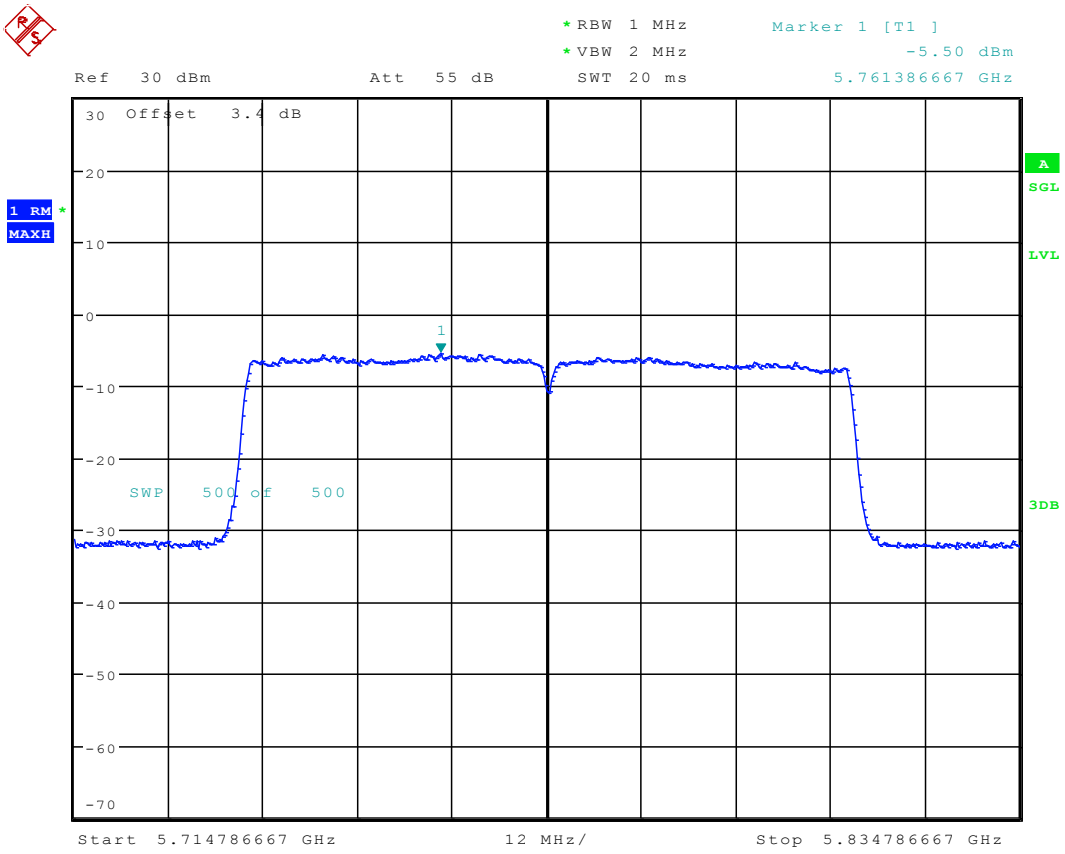
11.152 11AC80_155 Ant 2



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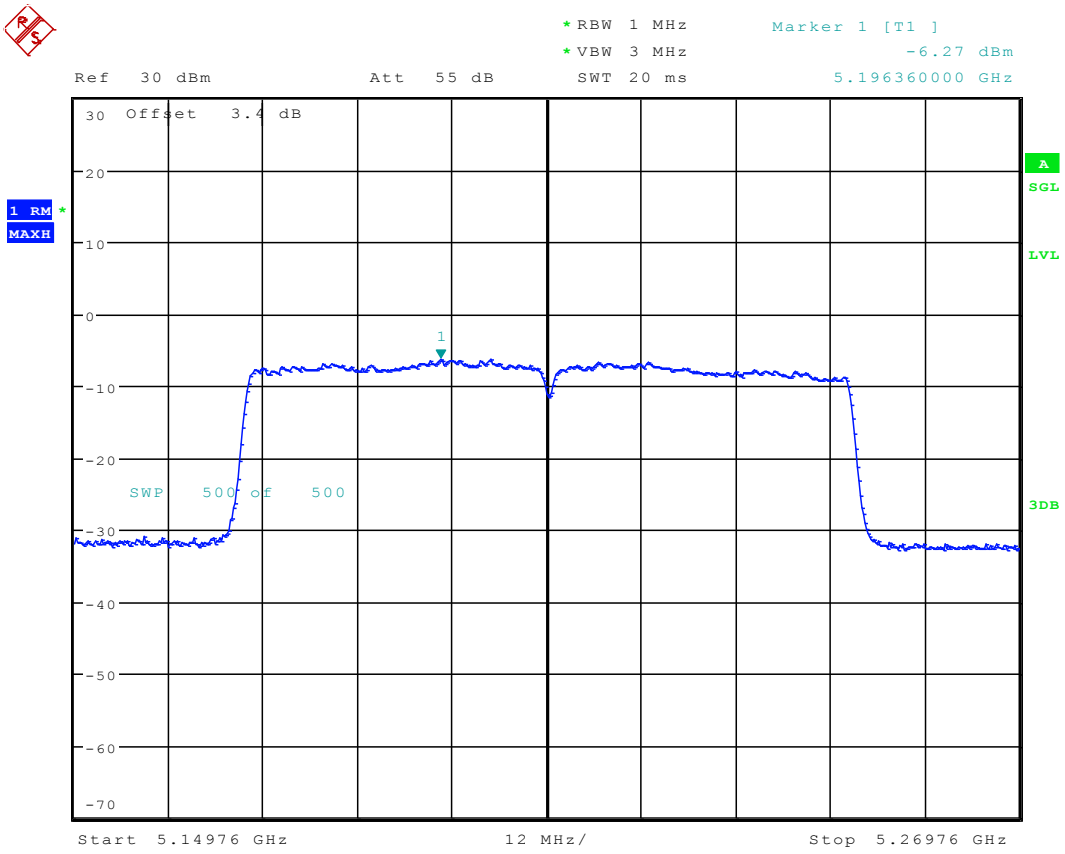
11.153 11AC80M_42 Ant 1



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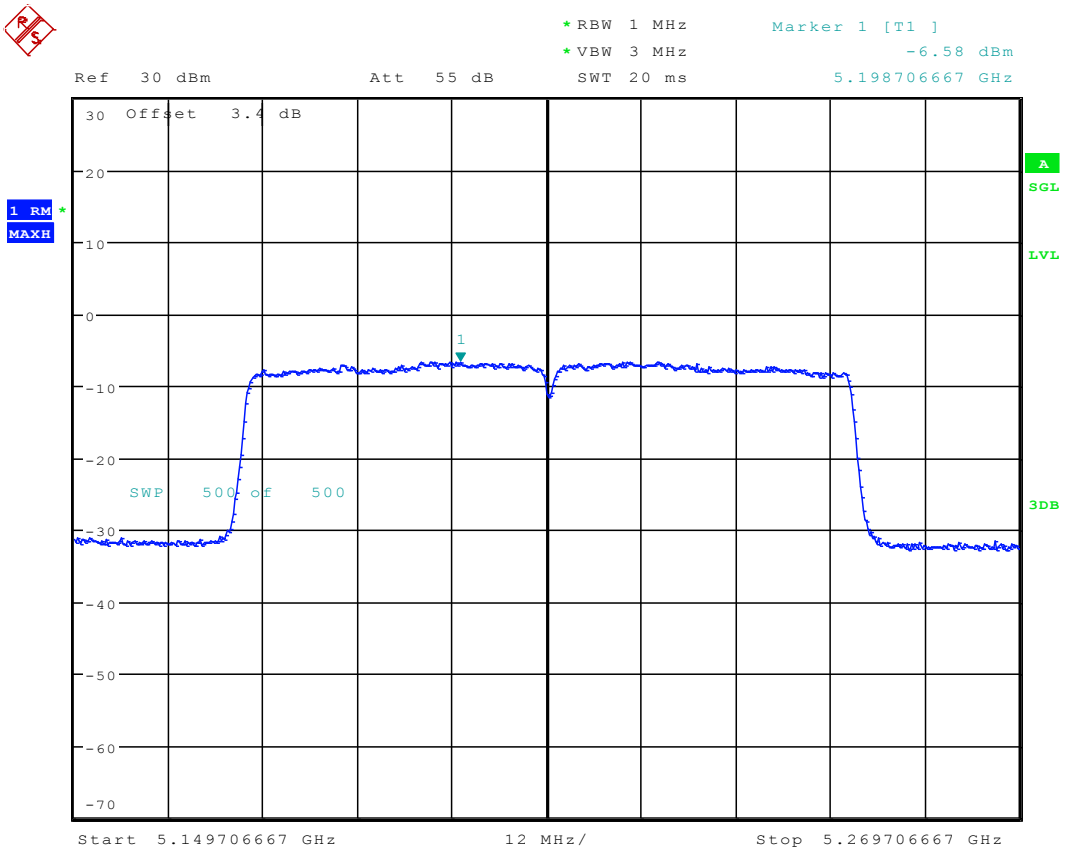
11.154 11AC80M_42 Ant 2



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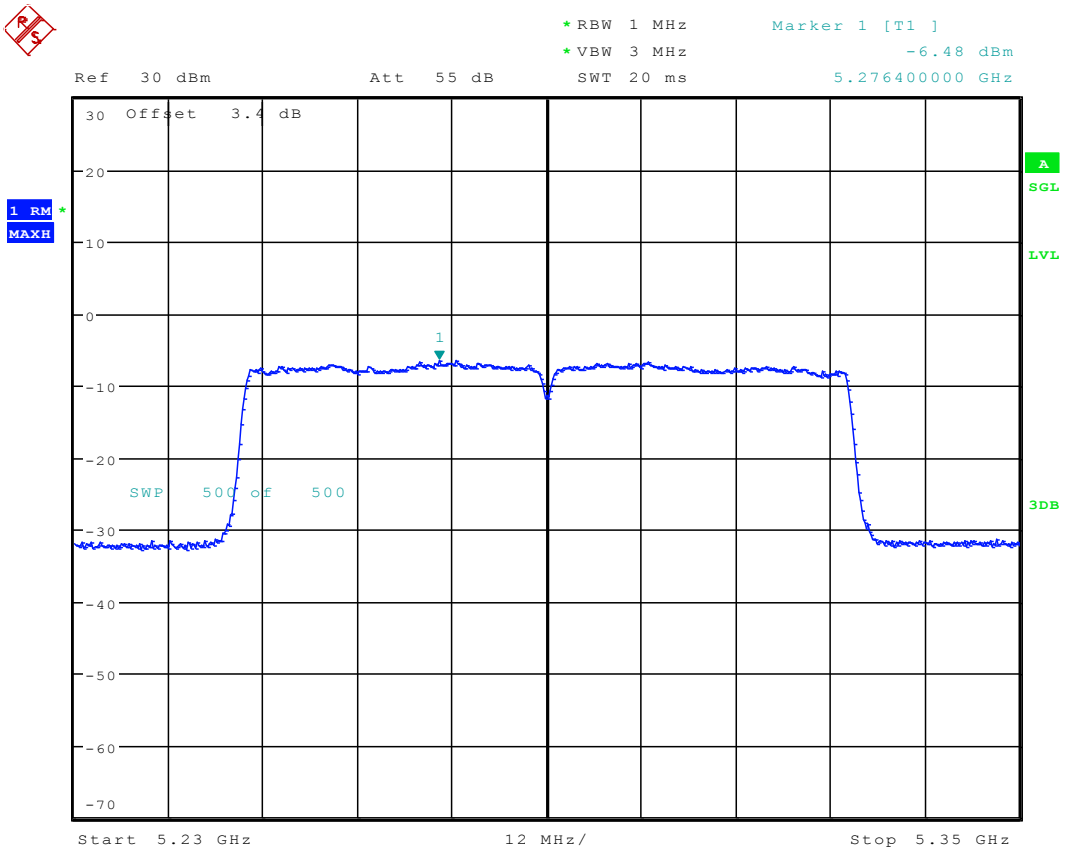
11.155 11AC80M_58 Ant 1



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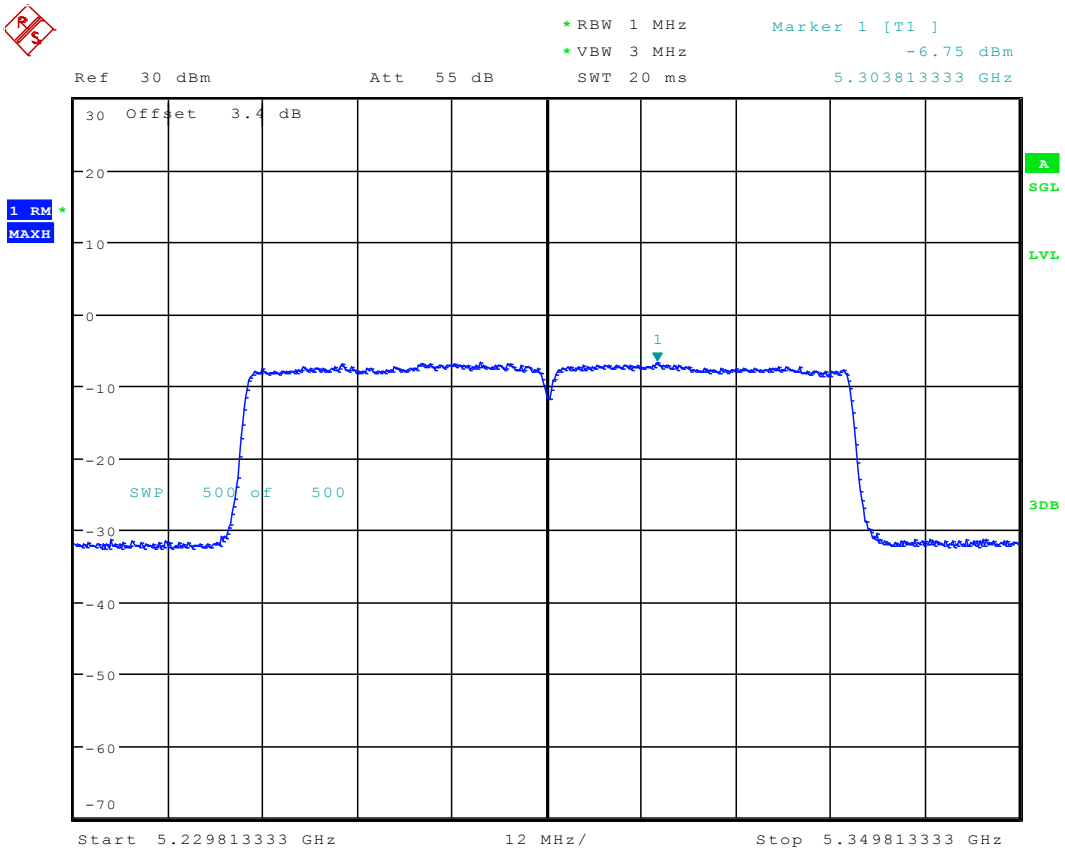
11.156 11AC80M_58 Ant 2



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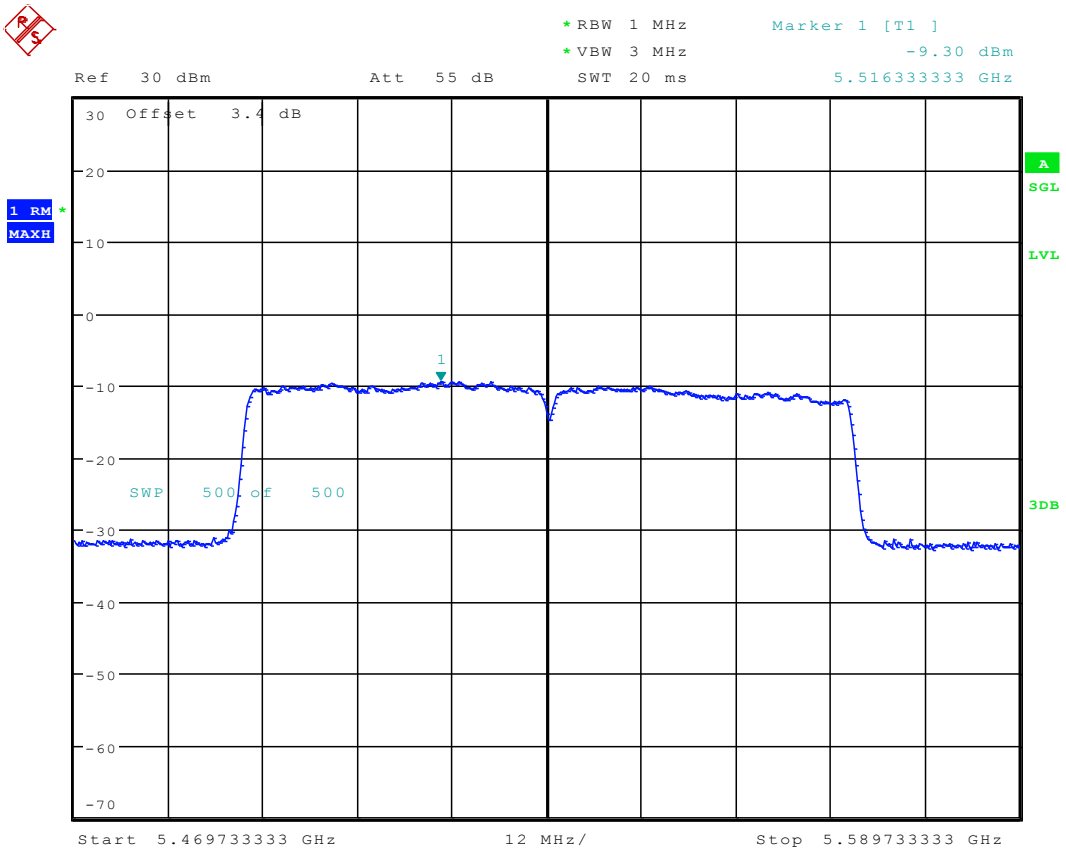
11.157 11AC80M_106 Ant 1



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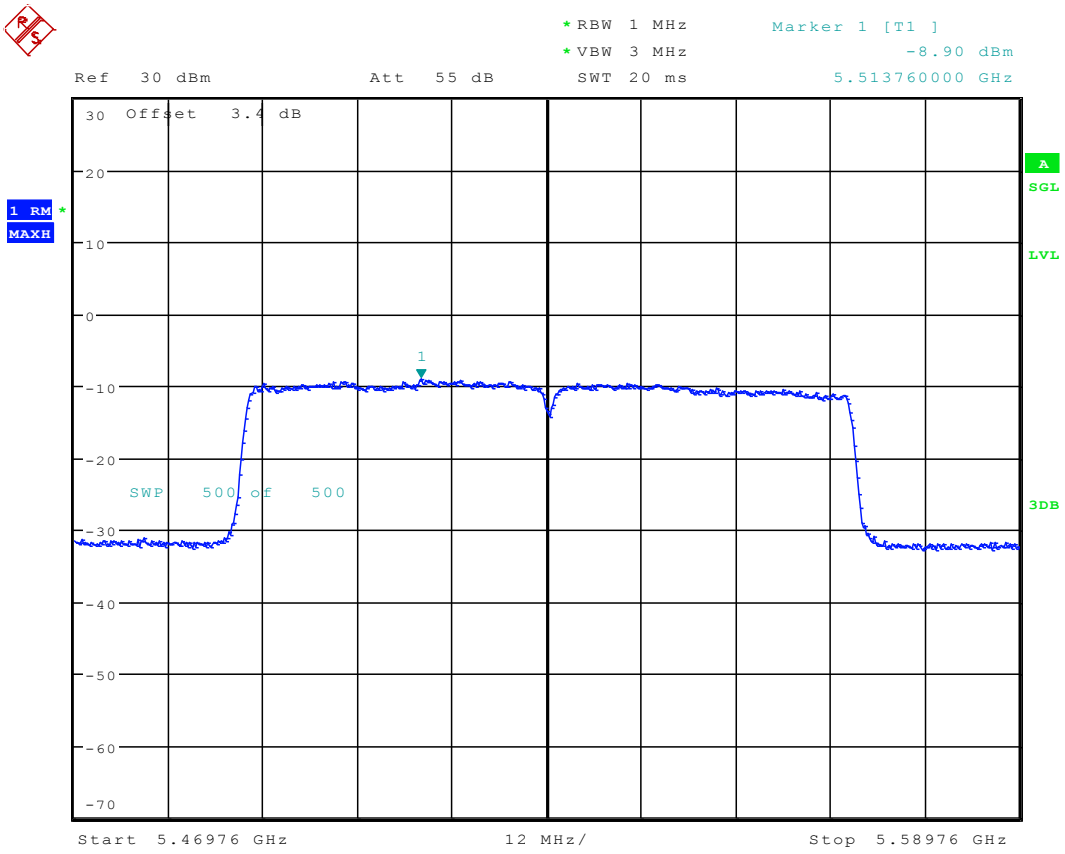
11.158 11AC80M_106 Ant 2



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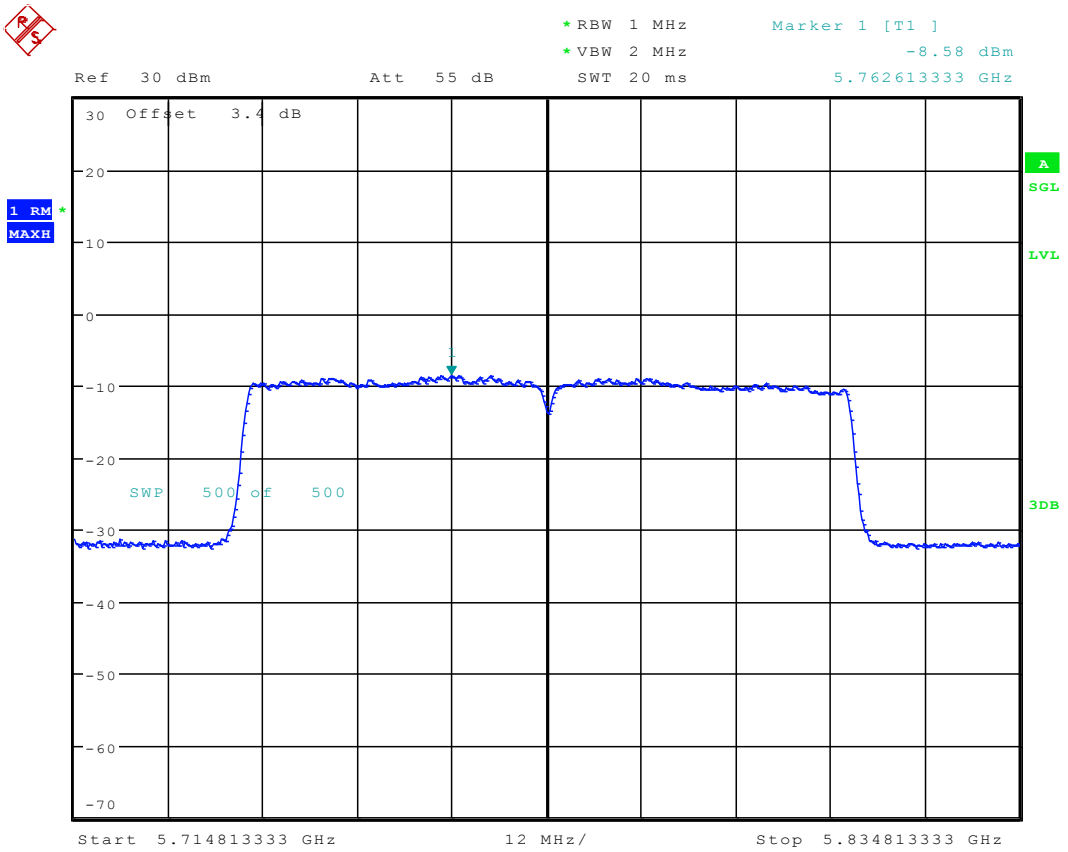
11.159 11AC80M_155 Ant 1



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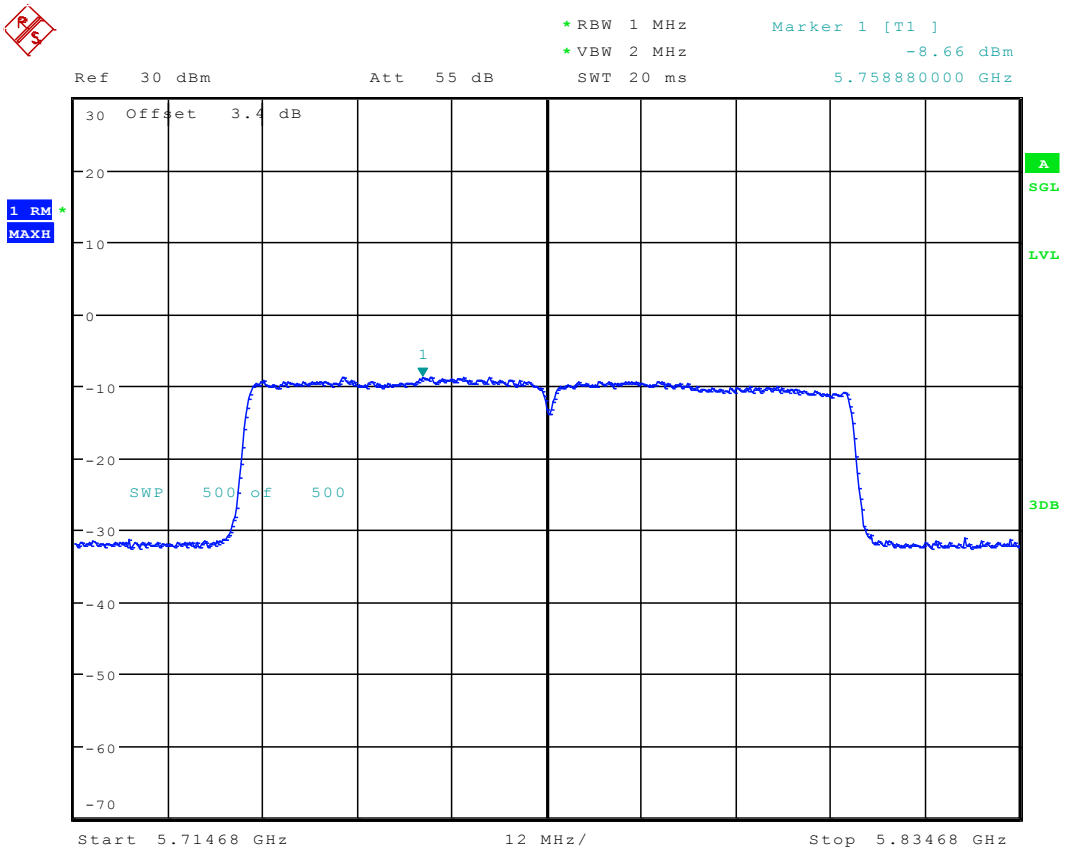
11.160 11AC80M_155 Ant 2



Date: 16.MAR.2016 16:54:20

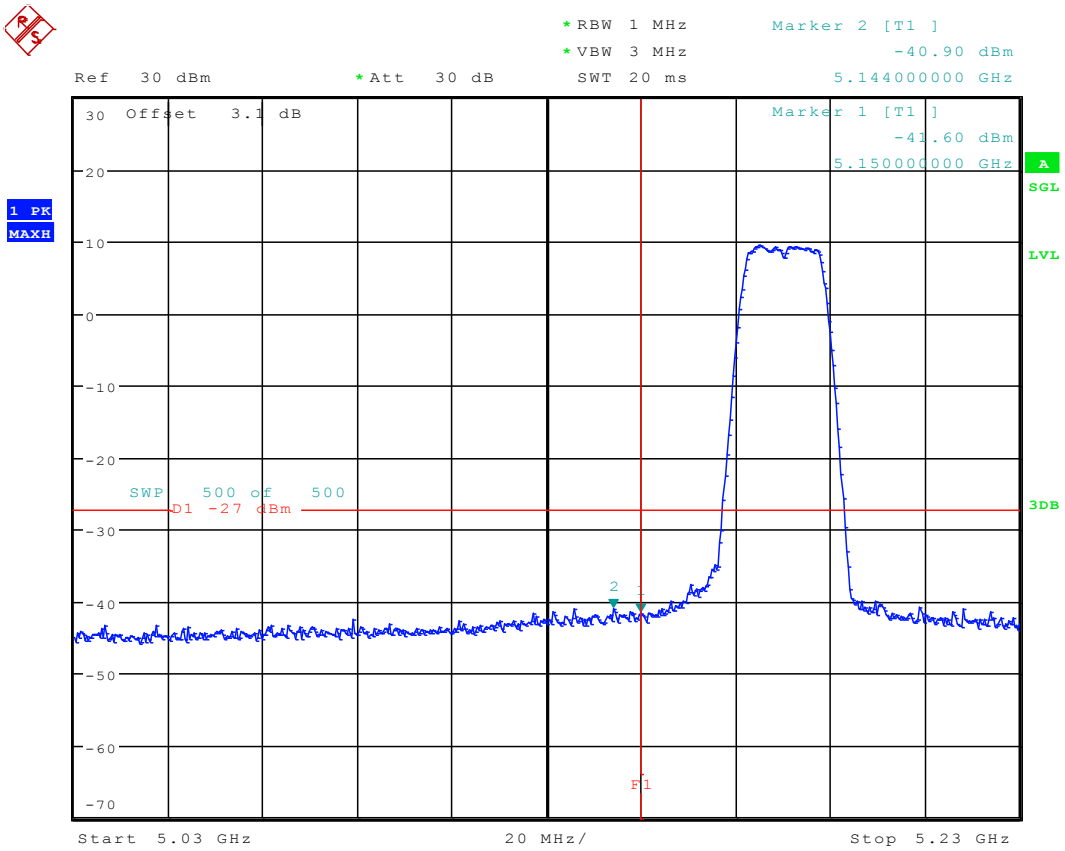
Appendix F: Unwanted Emissions into Non-Restricted Frequency Bands

12 Result Table

FCC Part15, Subpart E		
Test Item	**Frequency Range**	**Result**
Unwanted Emissions into Non-Restricted Frequency Bands	5150-5250	pass
	5250-5350	pass
	5470-5725	pass
	5725-5825	pass

13 Test Plot

13.111A_36 Ant 1



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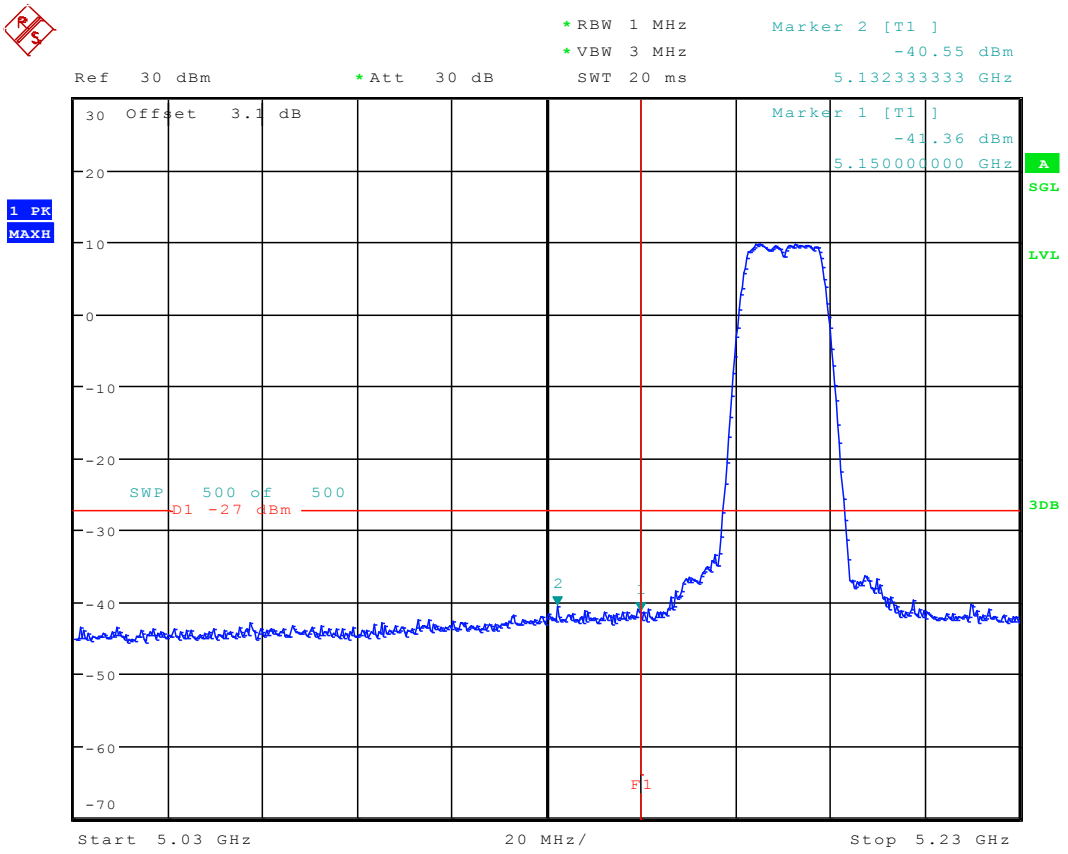
13.211A_36 Ant 2



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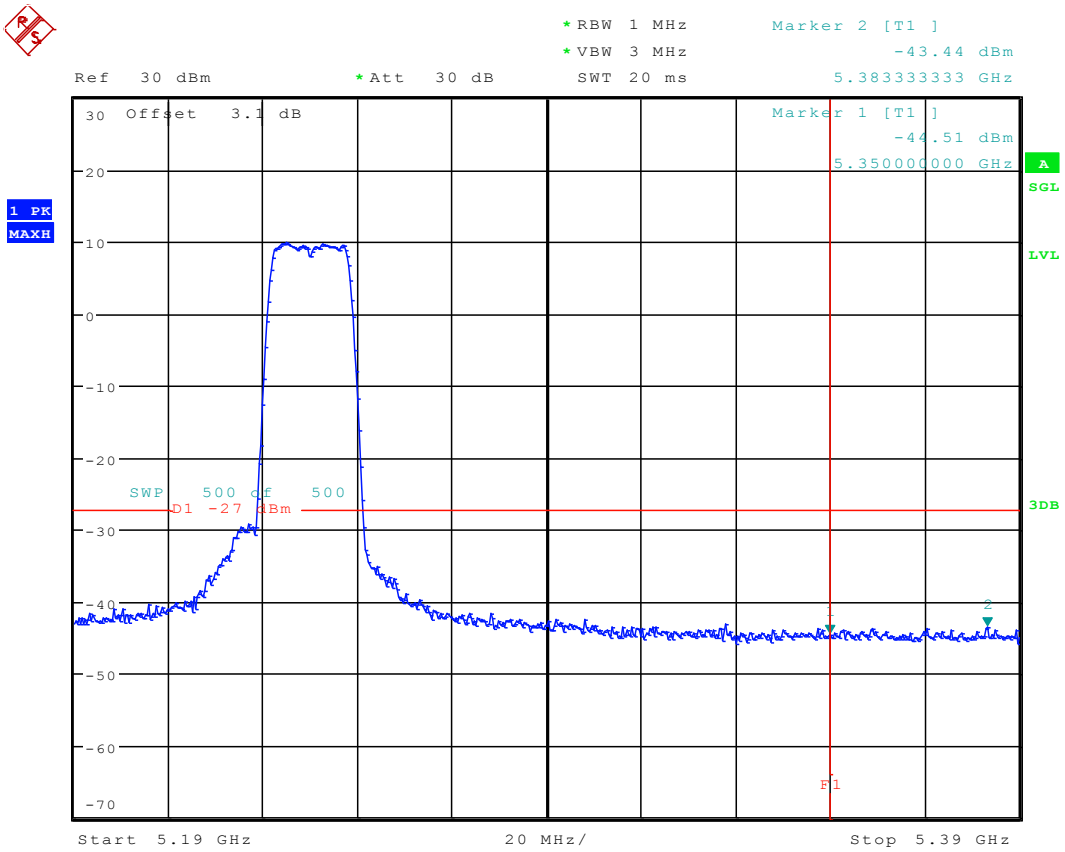
13.311A_48 Ant 1



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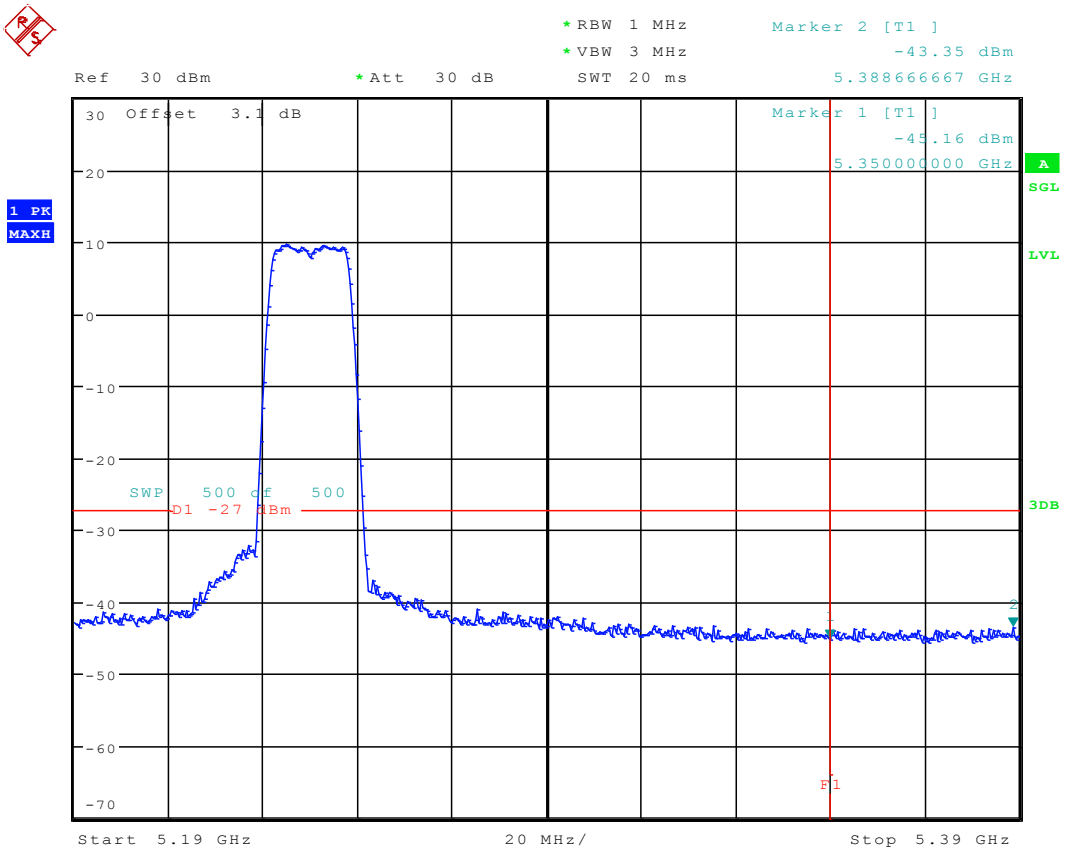
13.411A_48 Ant 2



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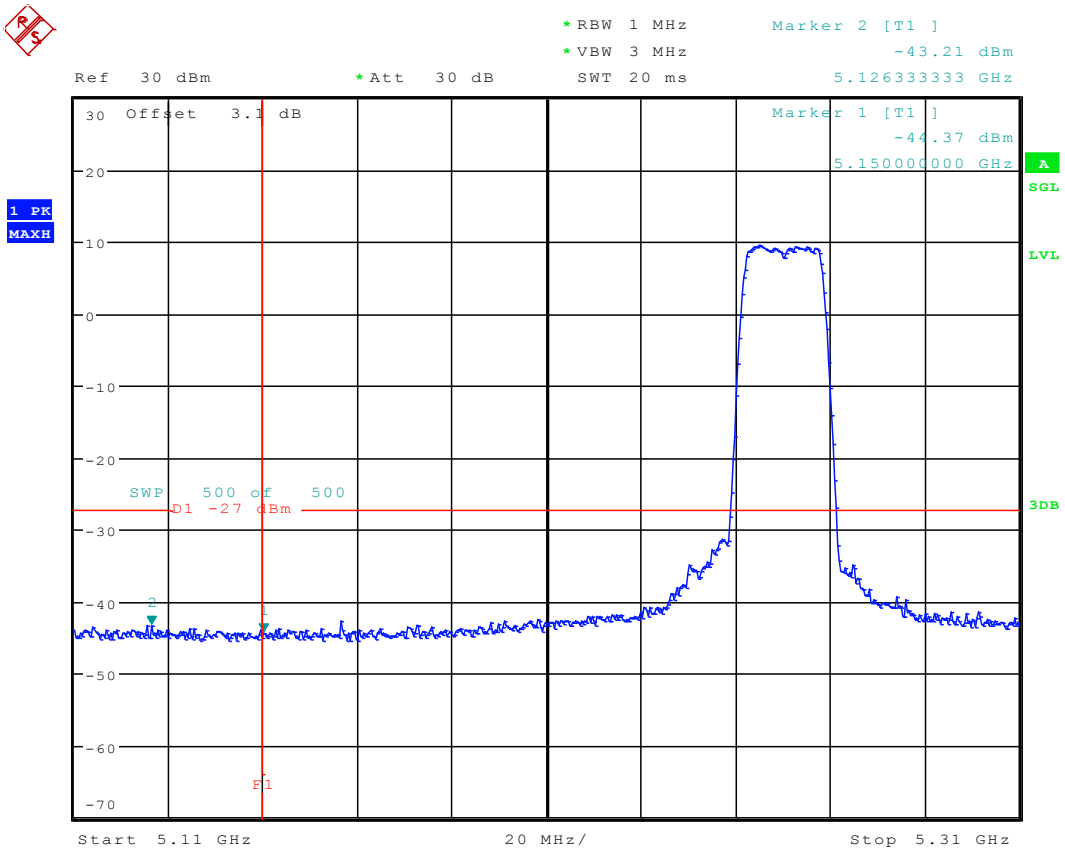
13.511A_52 Ant 1



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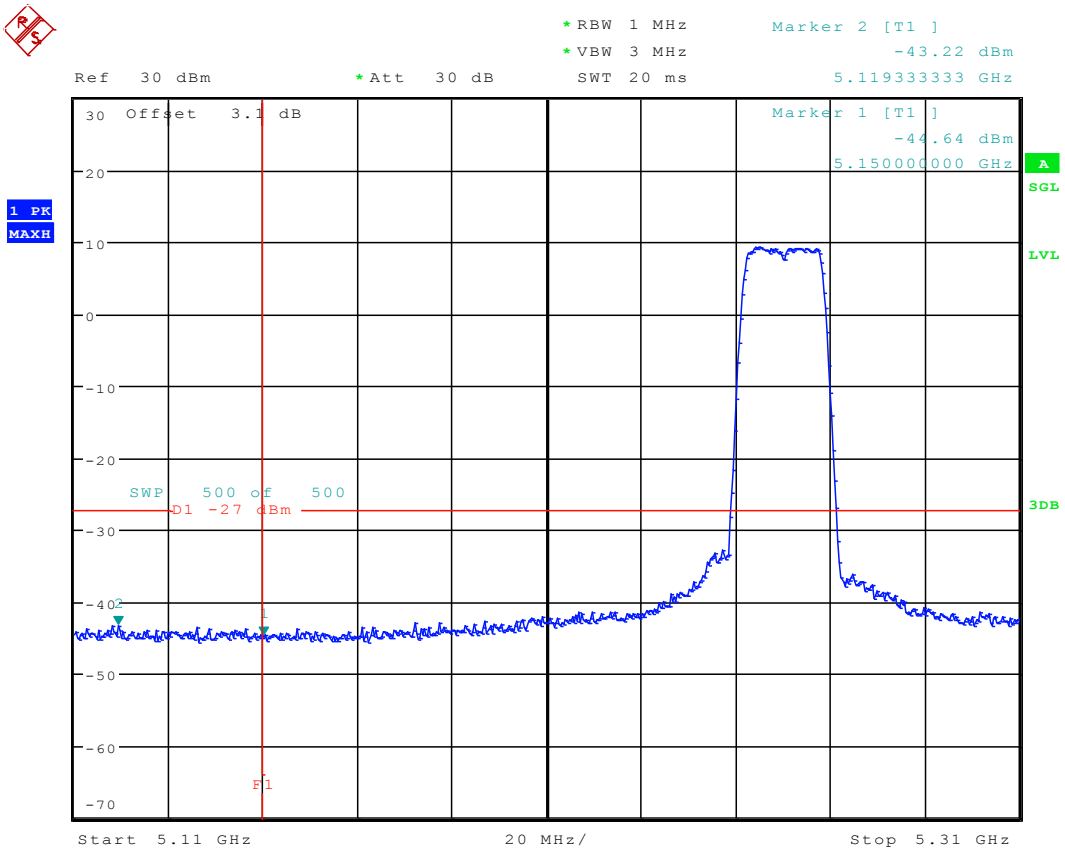
13.611A_52 Ant 2



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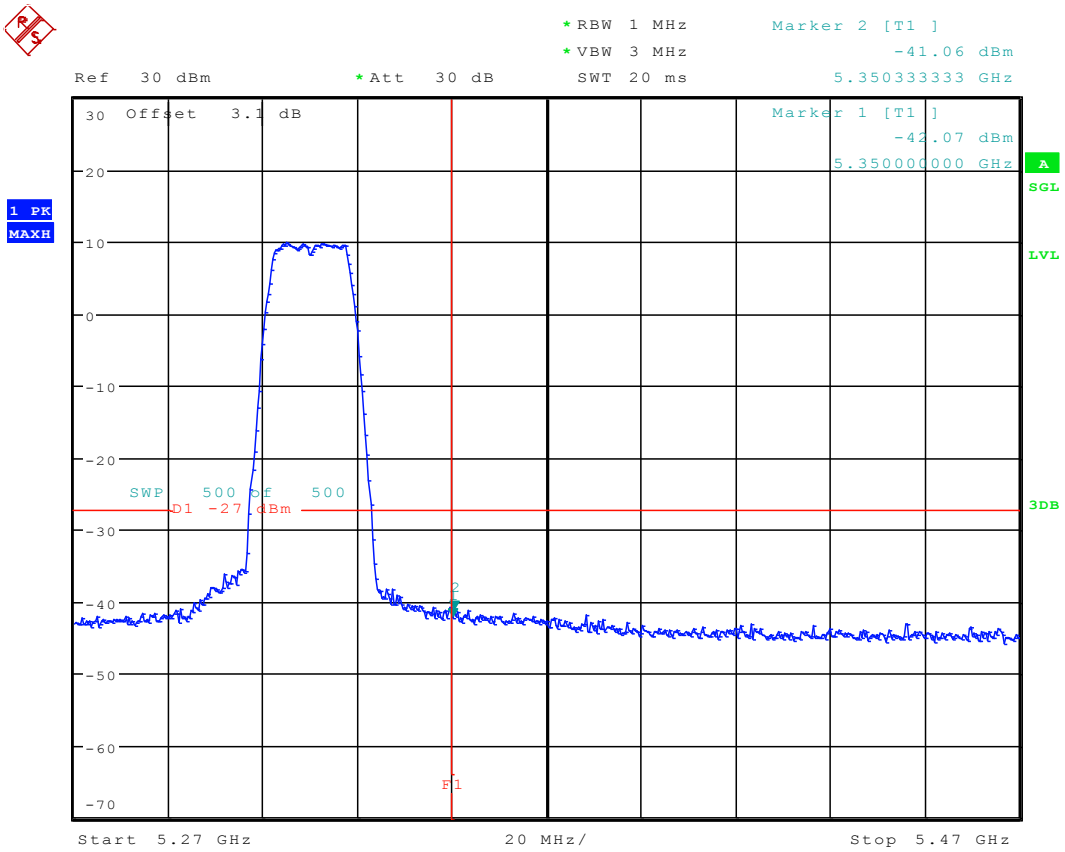
13.711A_64 Ant 1



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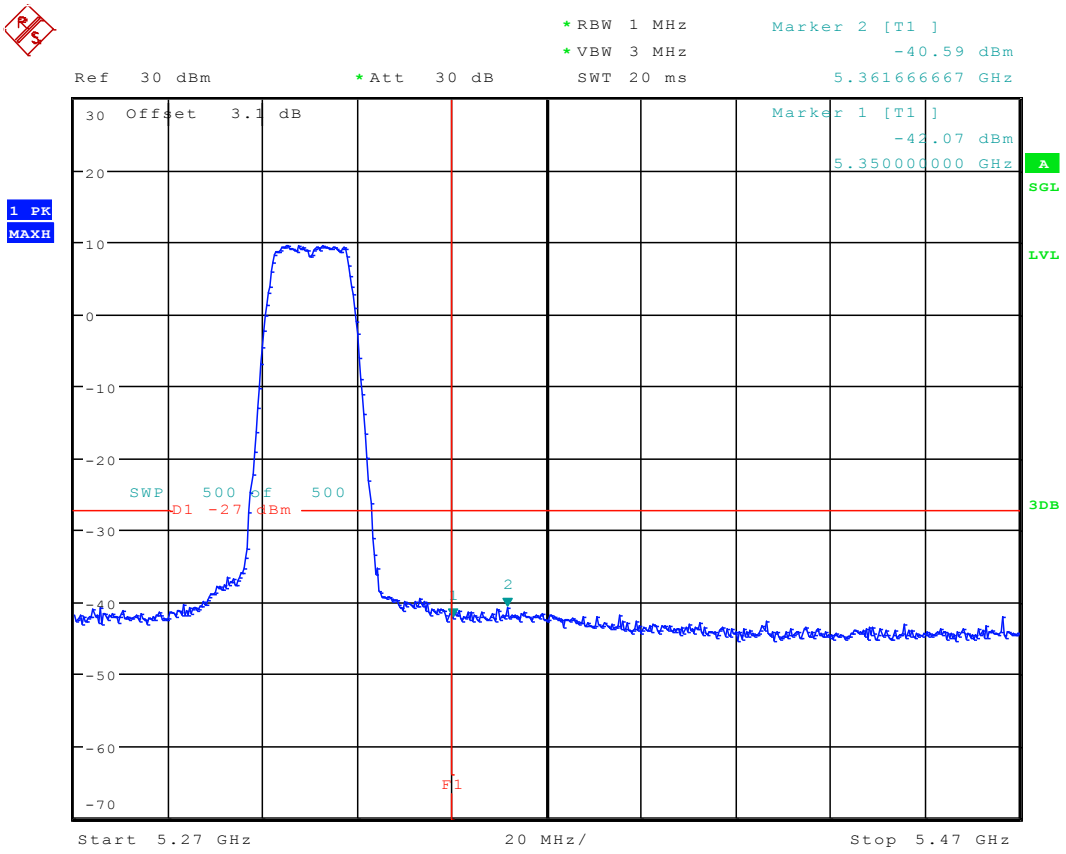
13.811A_64 Ant 2



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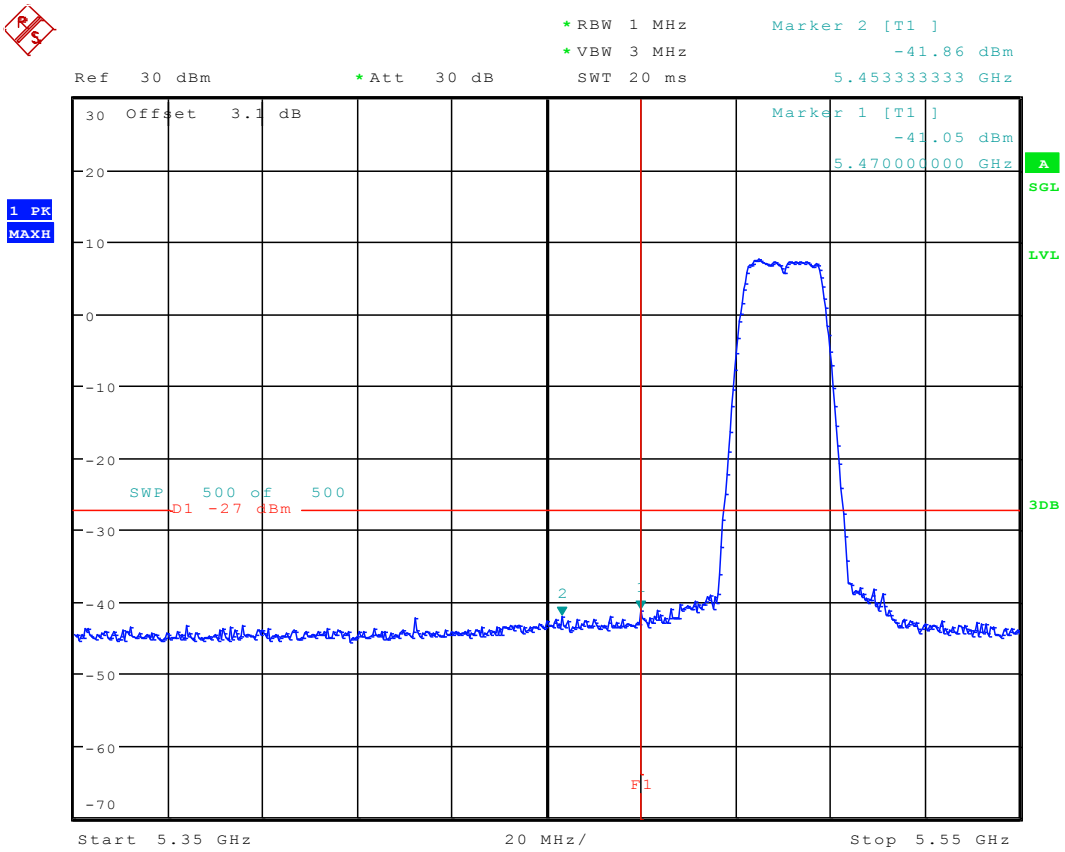
13.911A_100 Ant 1



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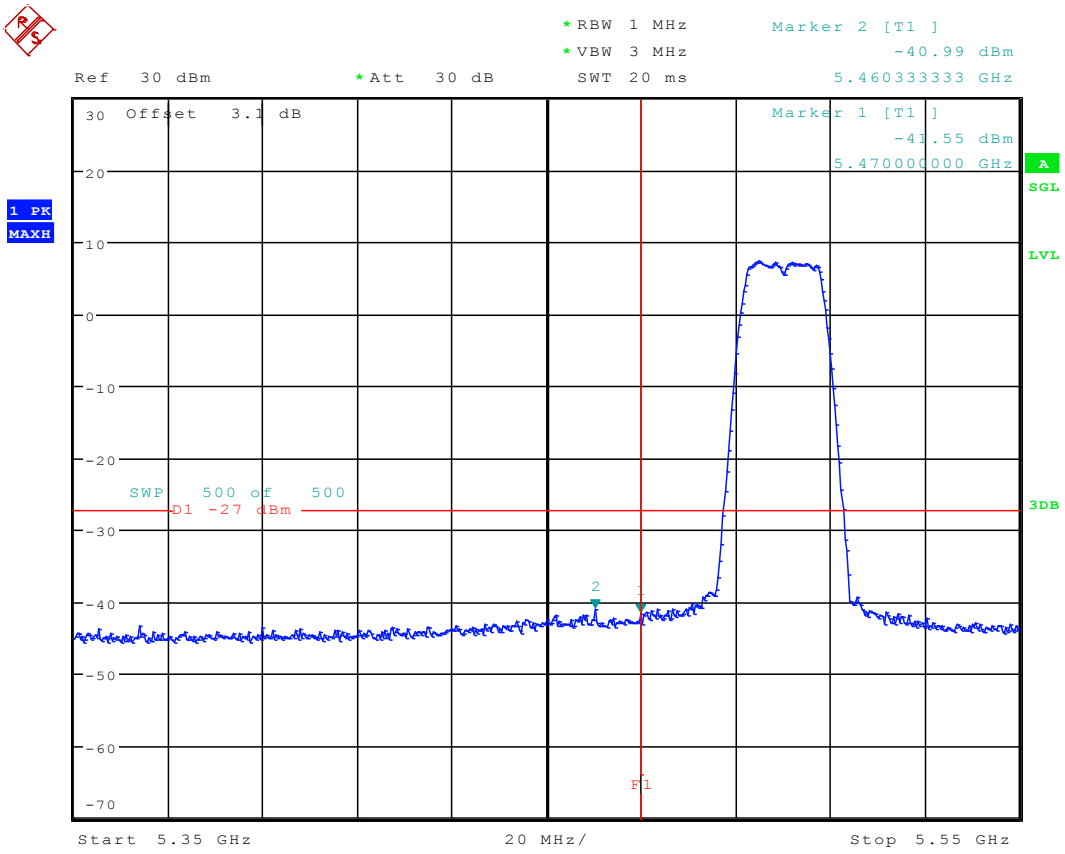
13.10 11A_100 Ant 2



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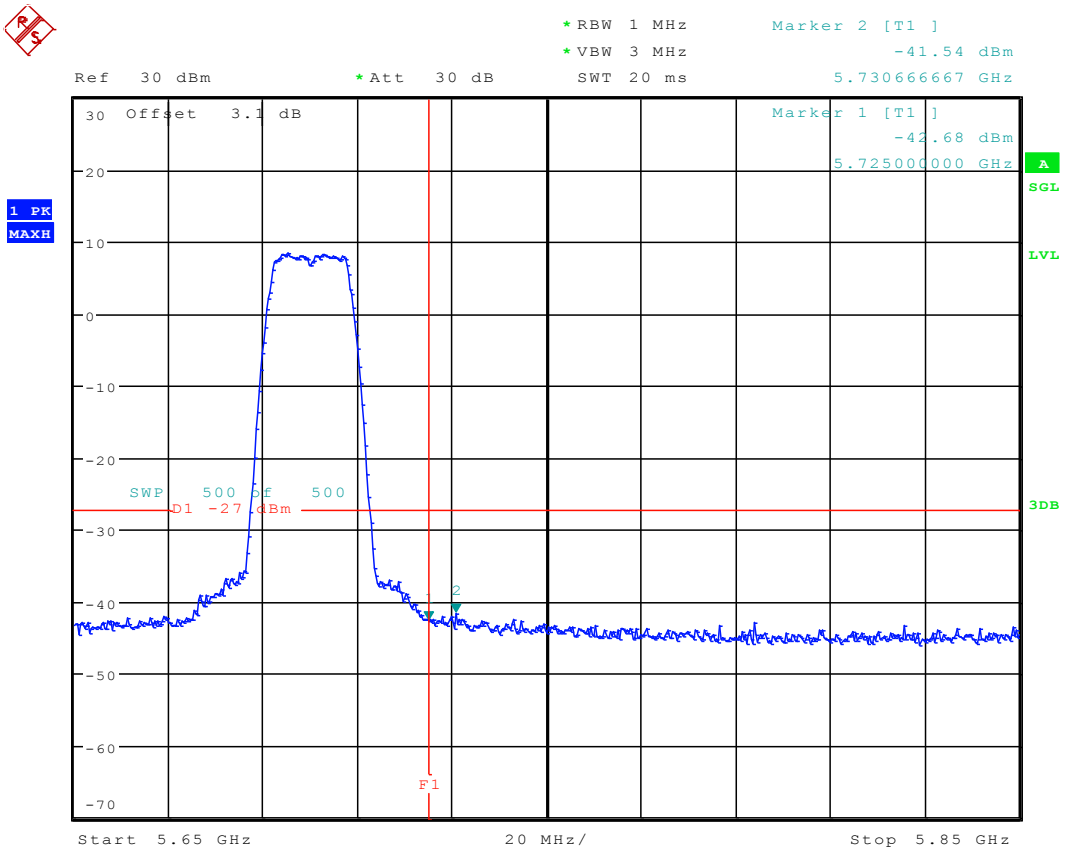
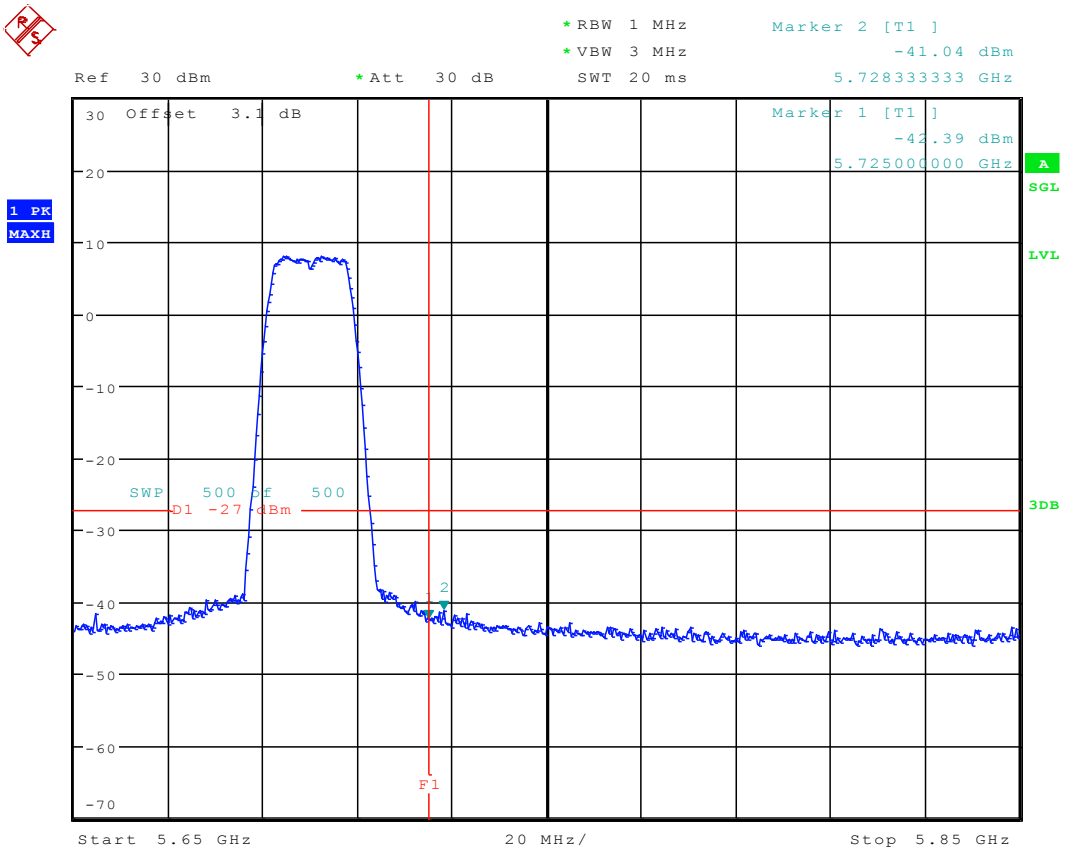
13.11 11A_140 Ant 1



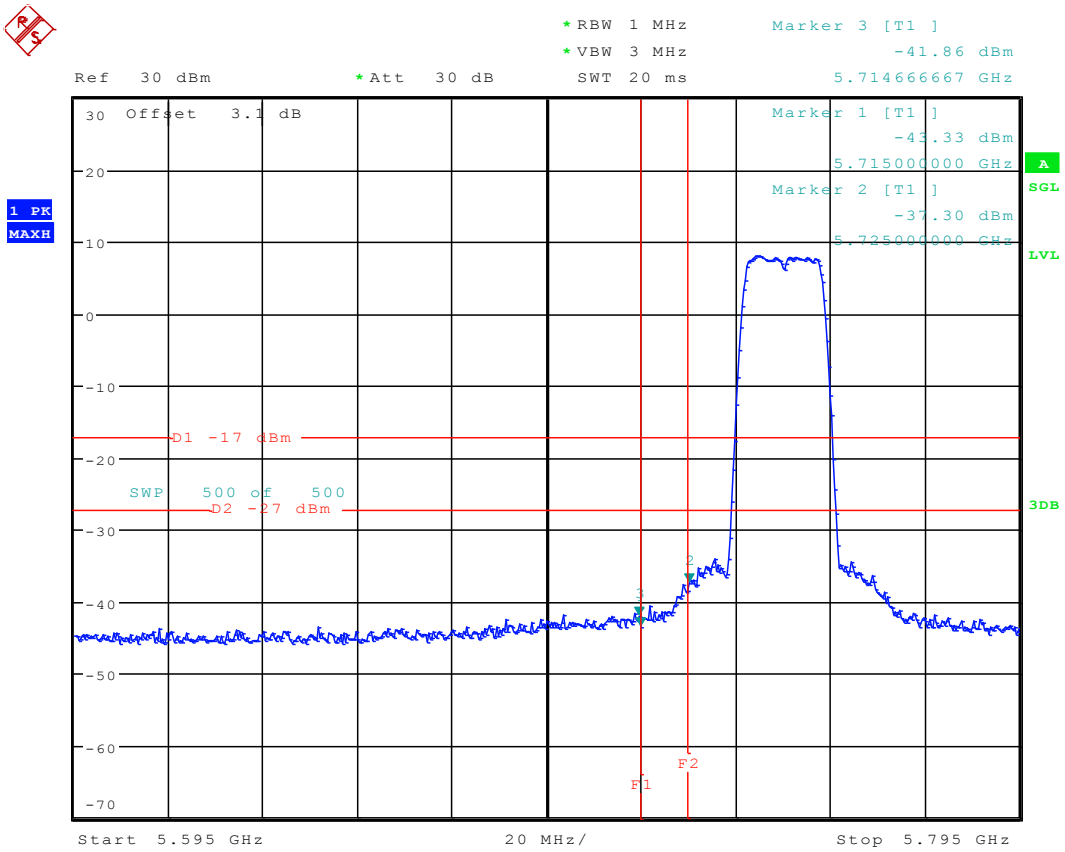
Date: 12.MAR.2016 16:46:30

13.12 11A_140 Ant 2



Date: 12.MAR.2016 17:42:46

13.13 11A_149 Ant 1



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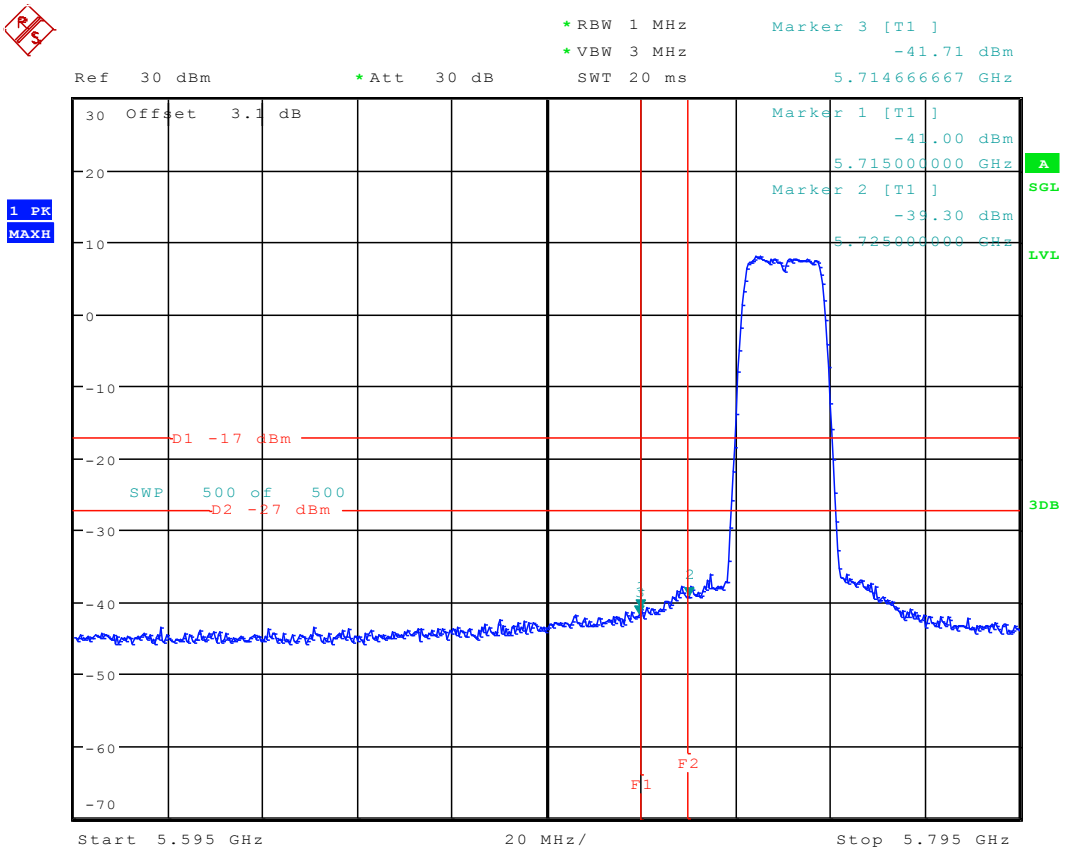
13.14 11A_149 Ant 2



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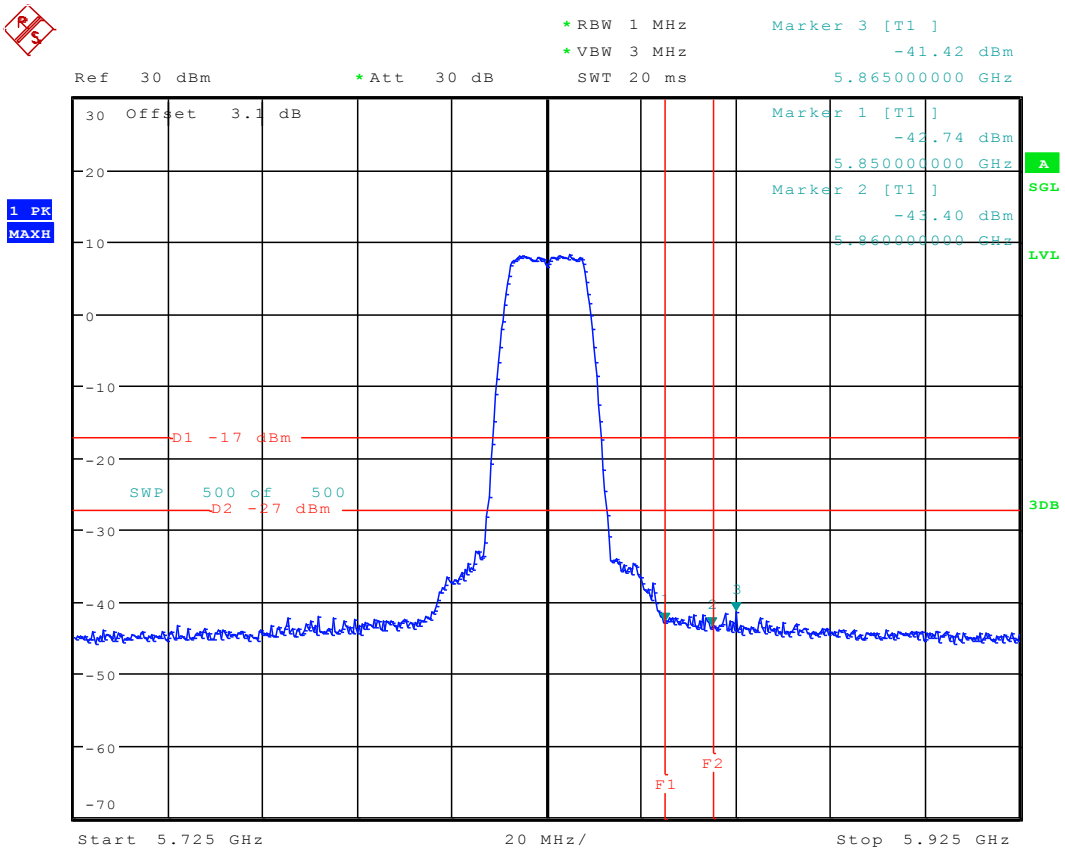
13.15 11A_165Ant 1



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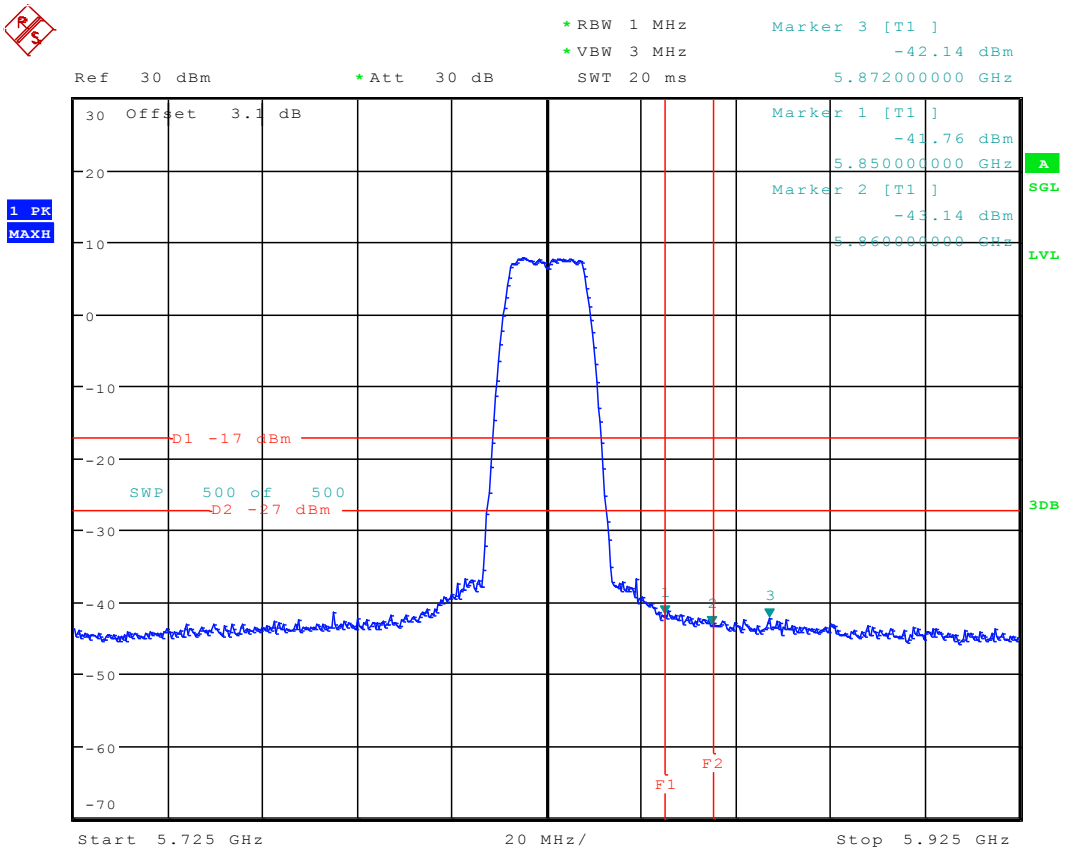
13.16 11A_165 Ant 2



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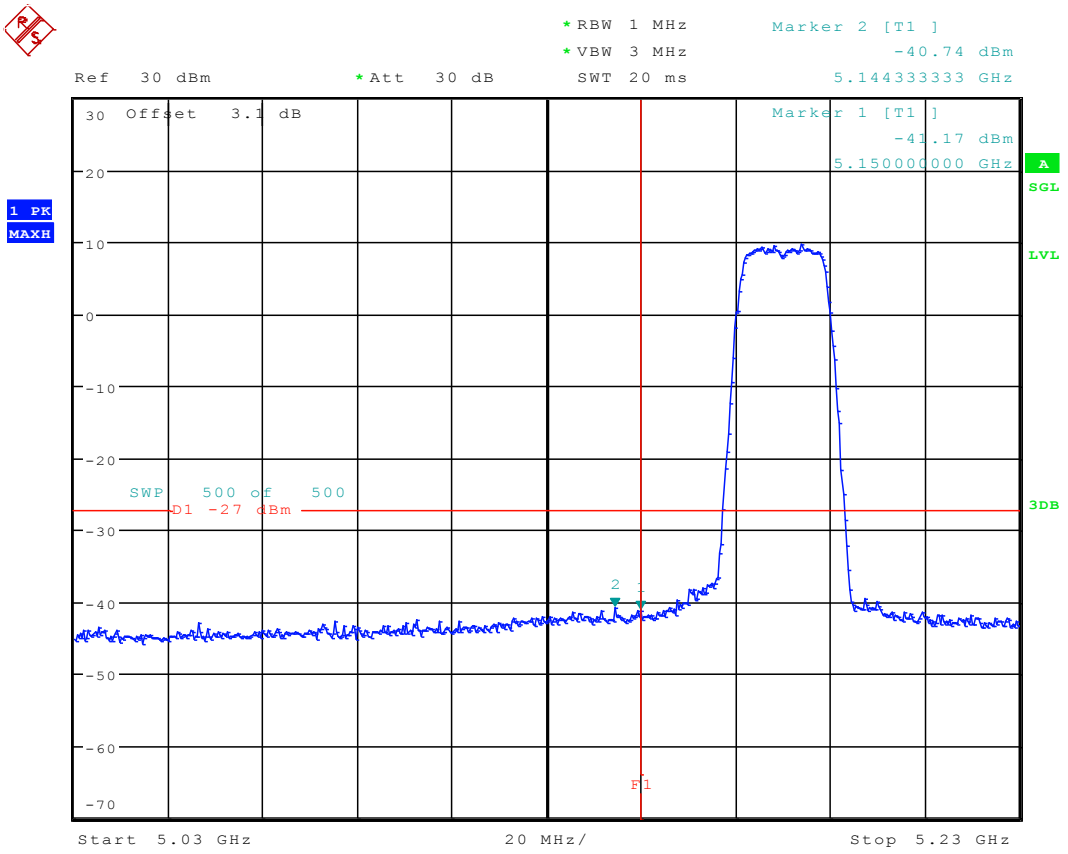
13.17 11N20_36 Ant 1



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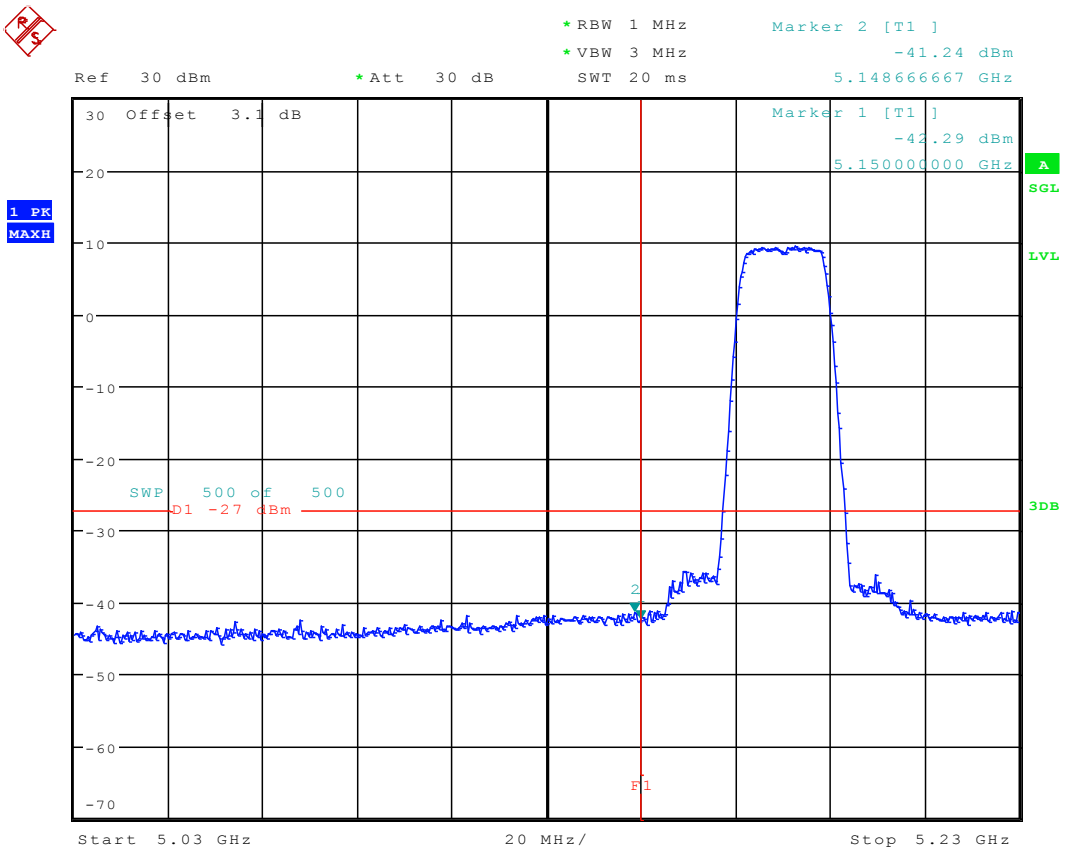
13.18 11N20_36 Ant 2



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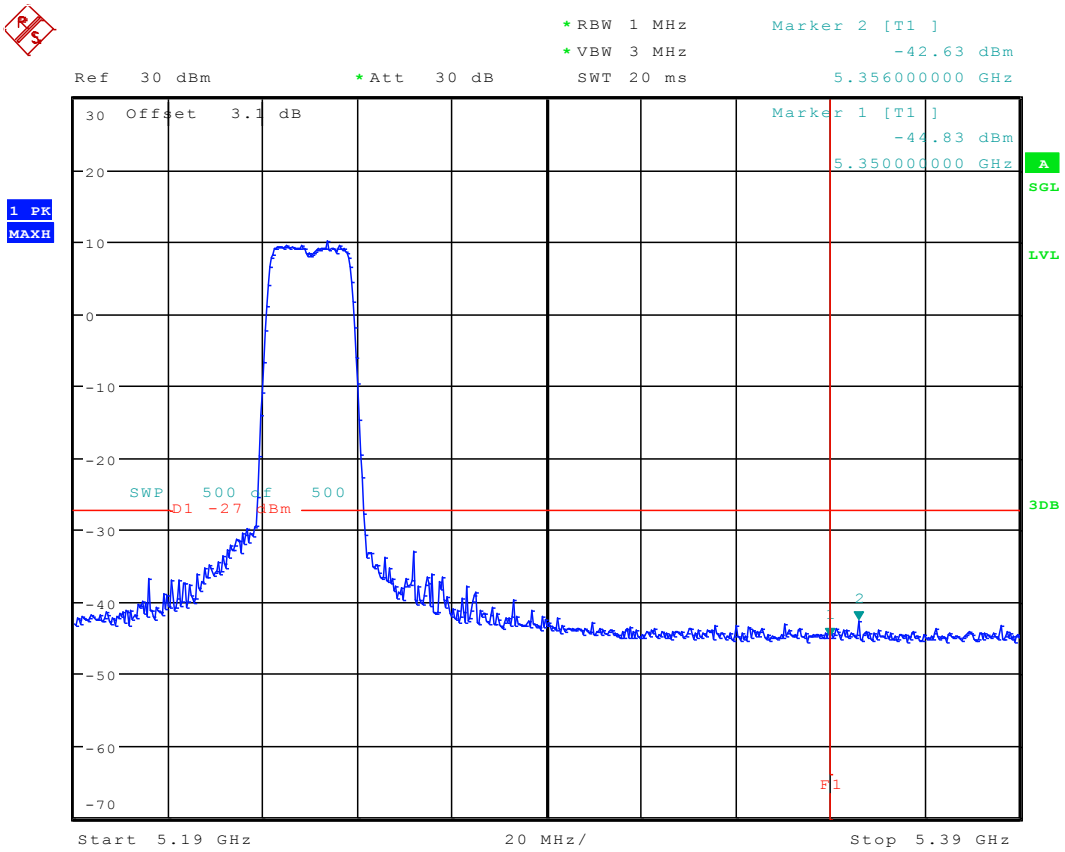
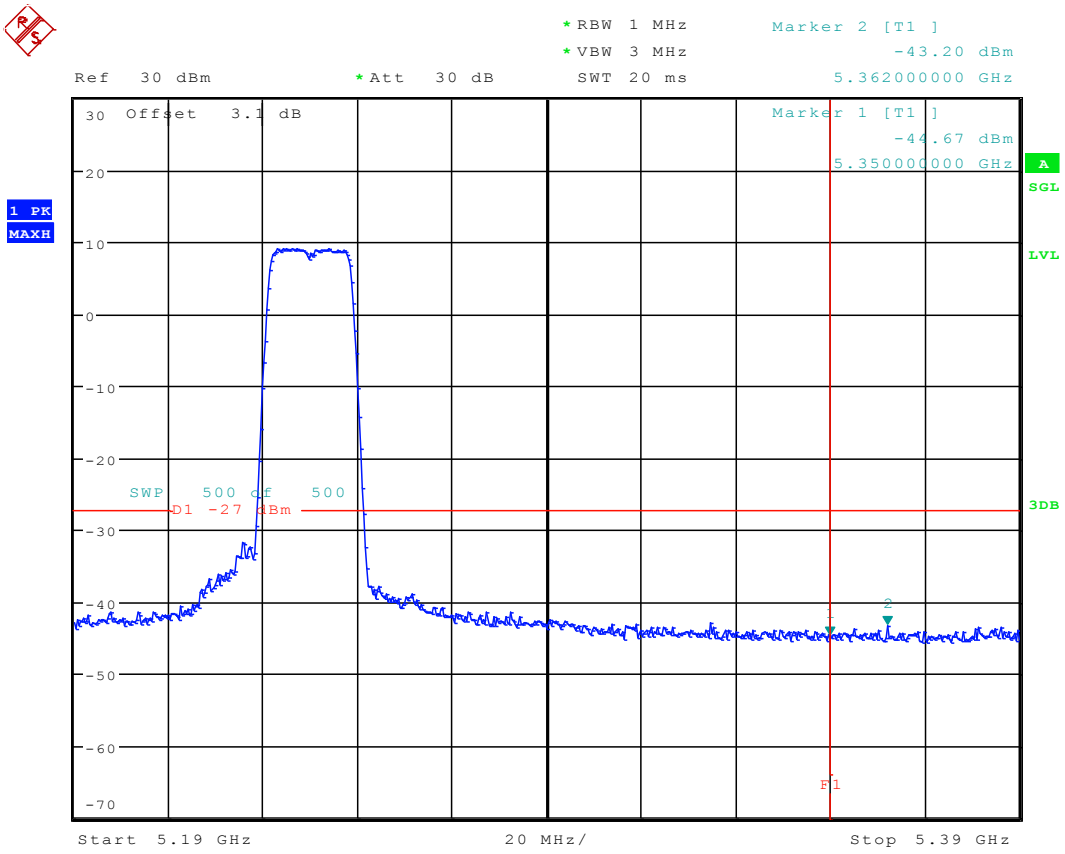
13.19 11N20_48 Ant 1



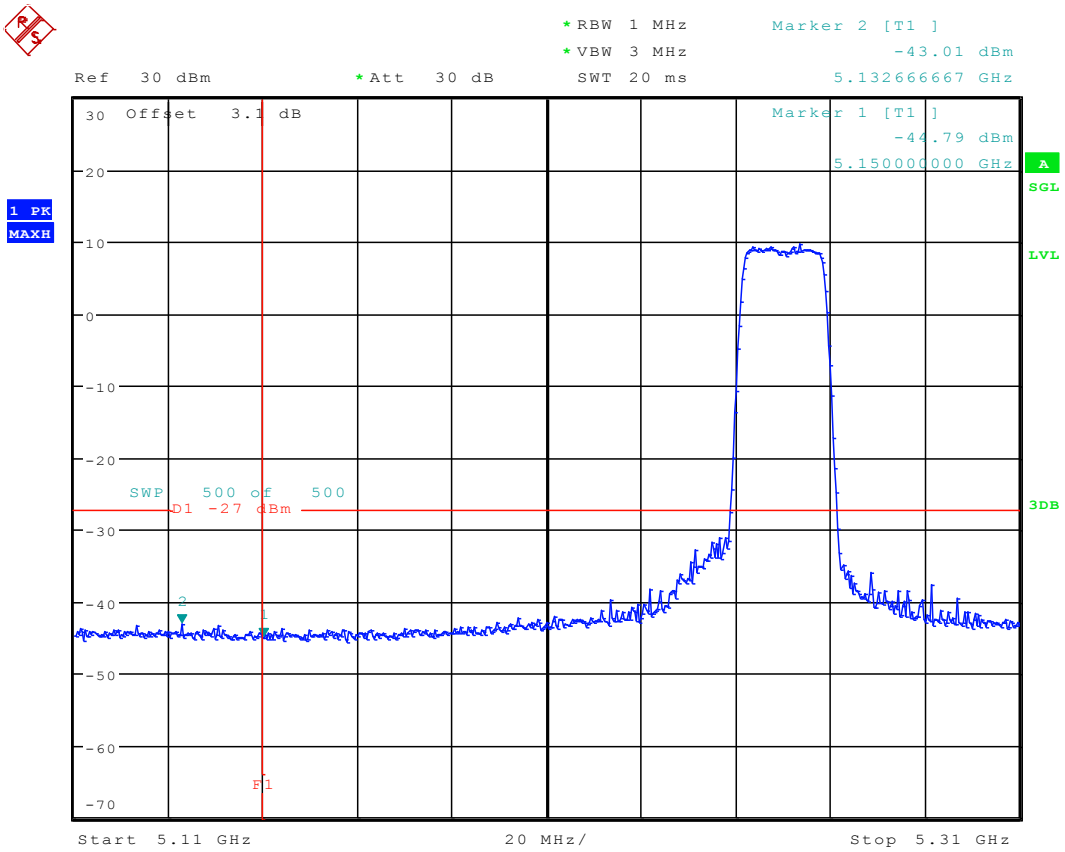
Date: 12.MAR.2016 18:50:27

13.20 11N20_48 Ant 2



Date: 12.MAR.2016 18:07:37

13.21 11N20_52 Ant 1



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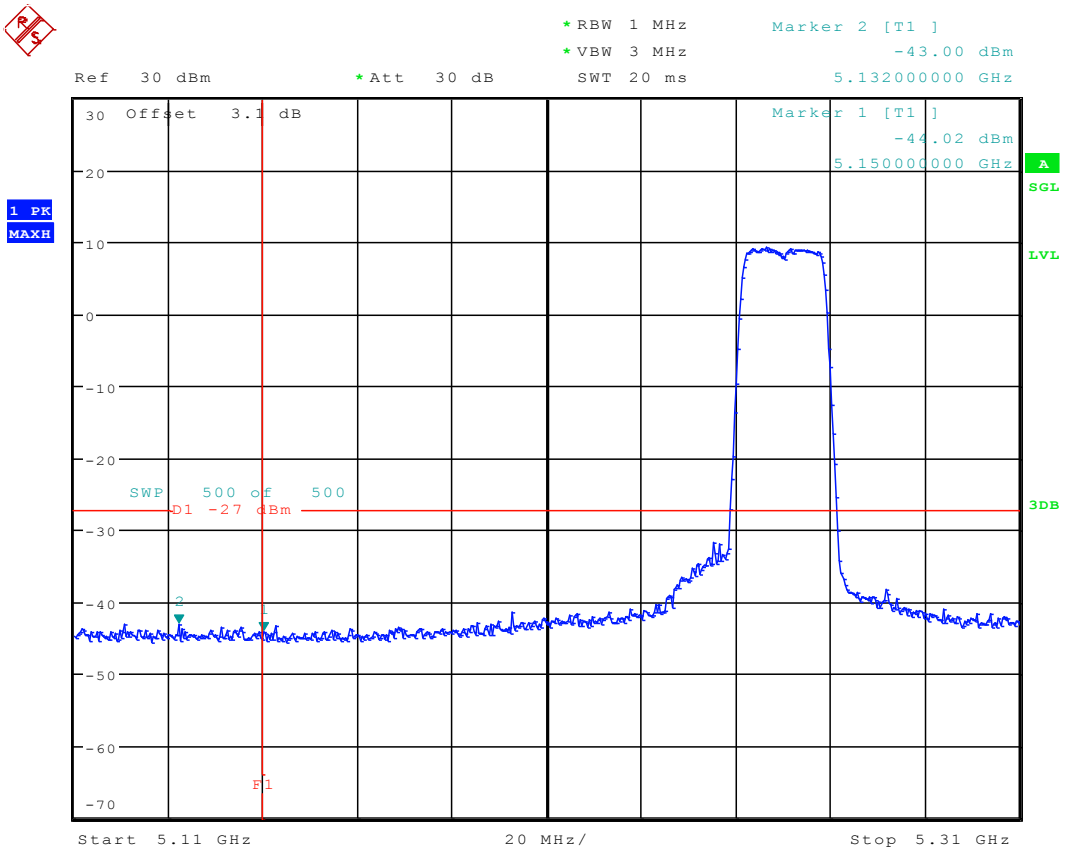
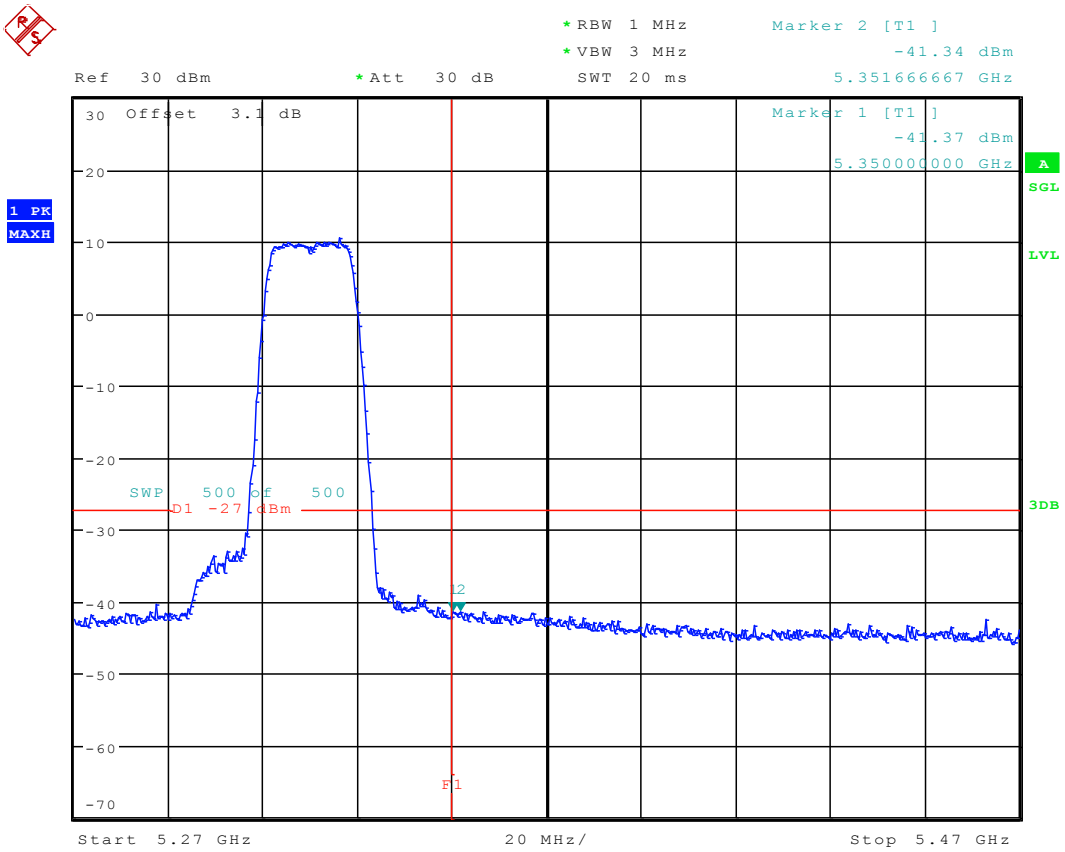
13.22 11N20_52 Ant 2



Date: 12.MAR.2016 18:12:46

13.23 11N20_64 Ant 1



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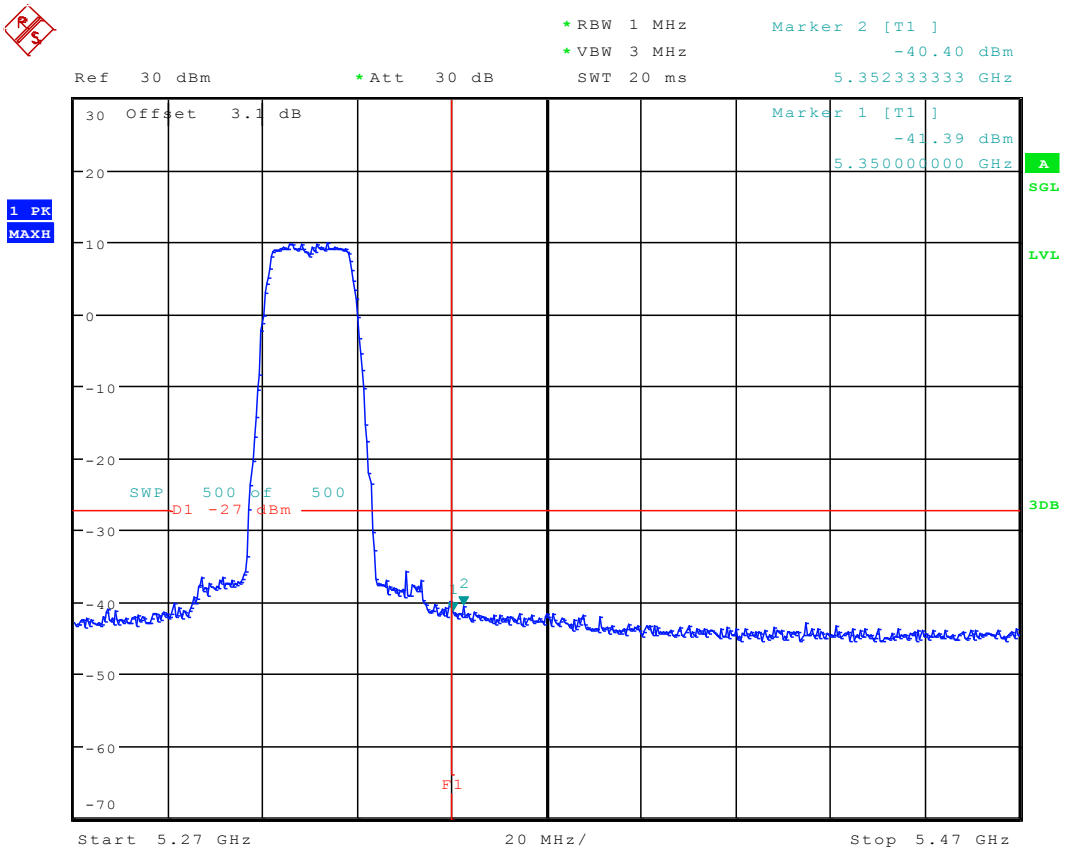
13.24 11N20_64 Ant 2



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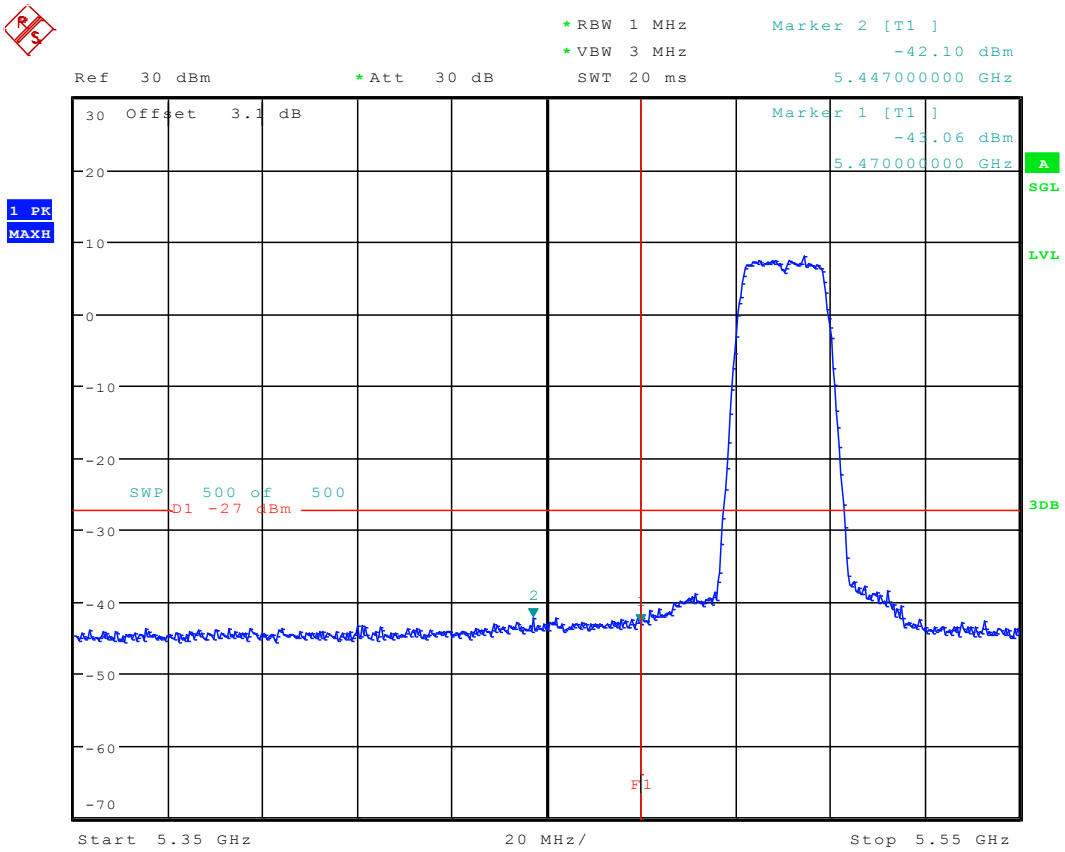
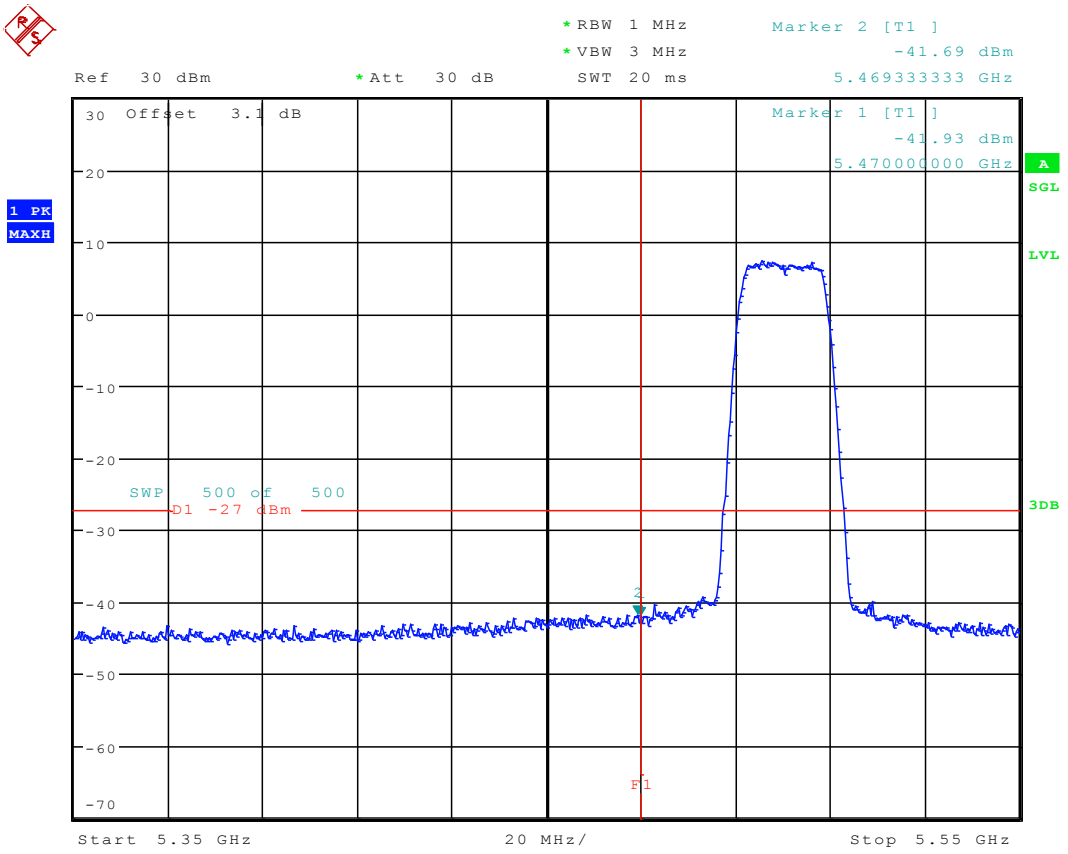
13.25 11N20_100 Ant 1



Date: 14.MAR.2016 10:30:35

13.26 11N20_100 Ant 2



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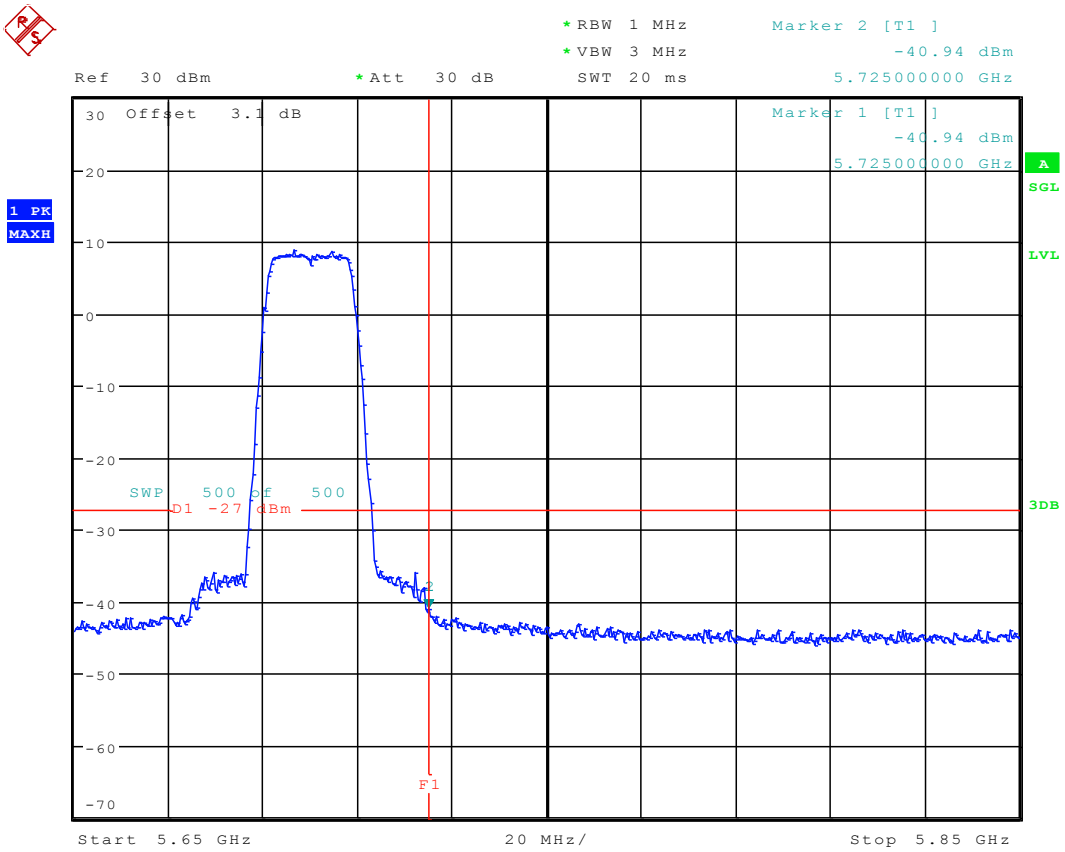
13.27 11N20_140 Ant 1



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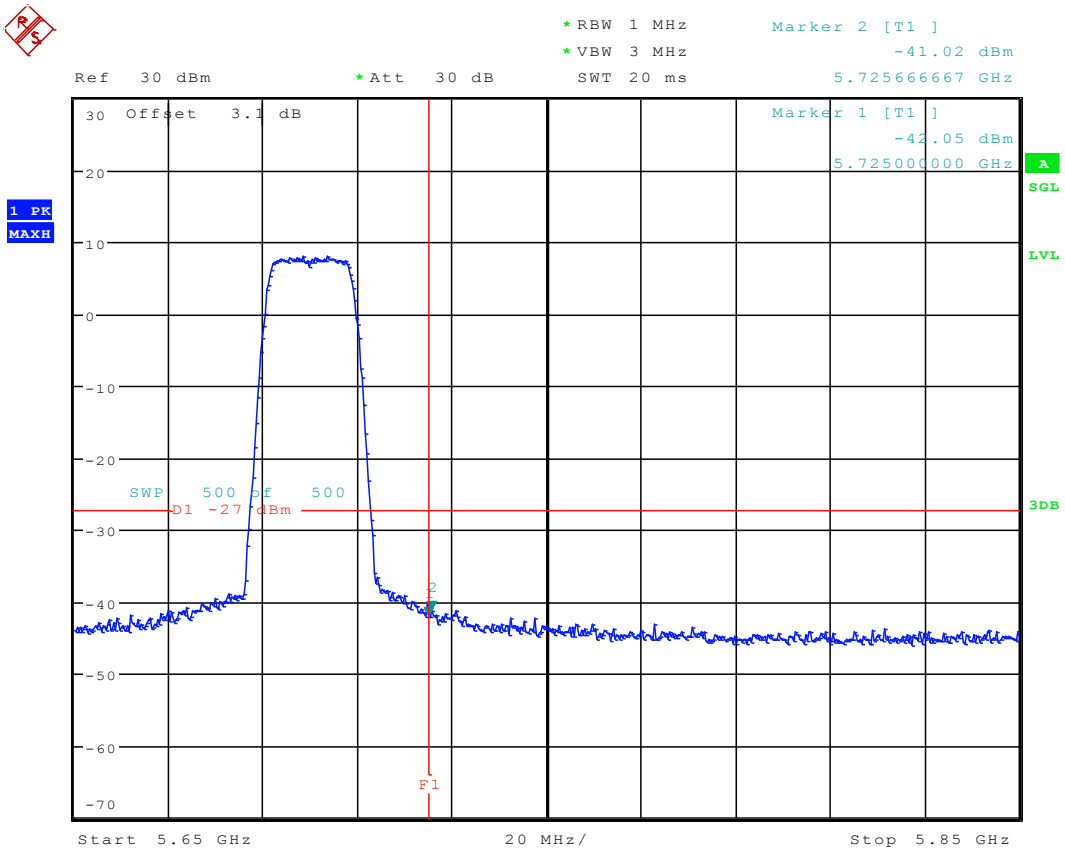
13.28 11N20_140 Ant 2



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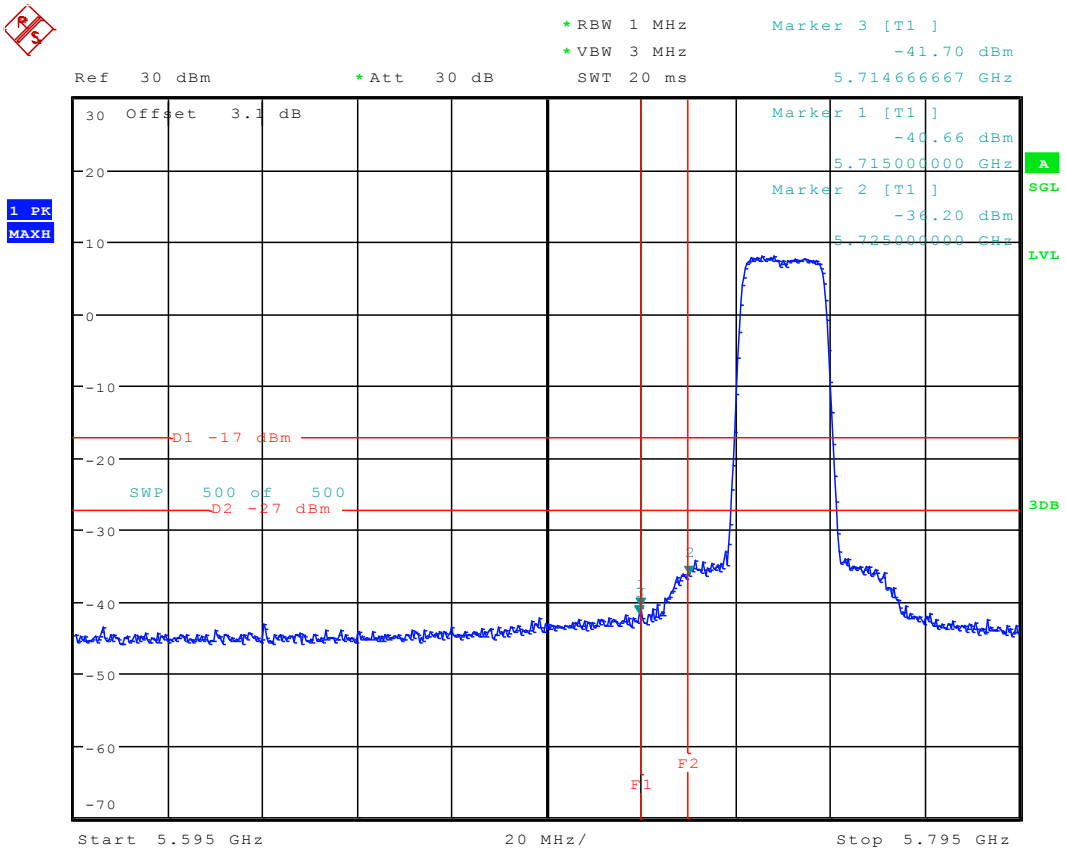
13.29 11N20_149 Ant 1



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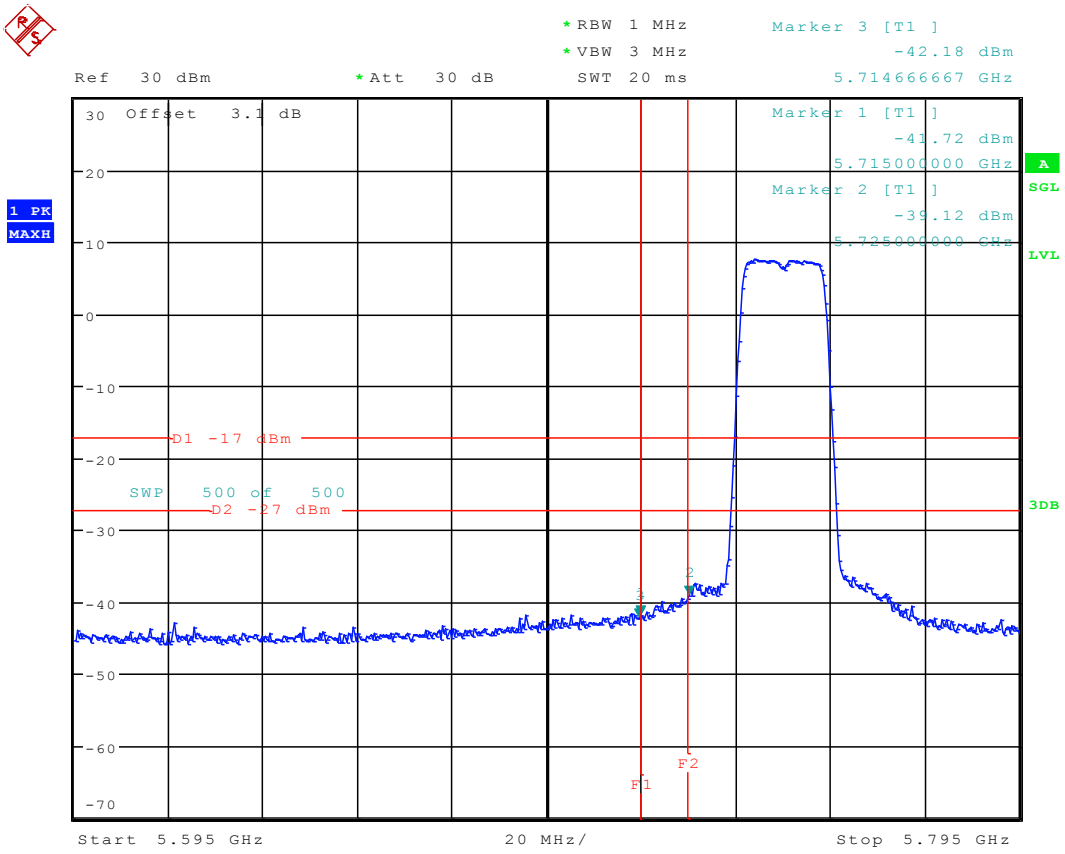
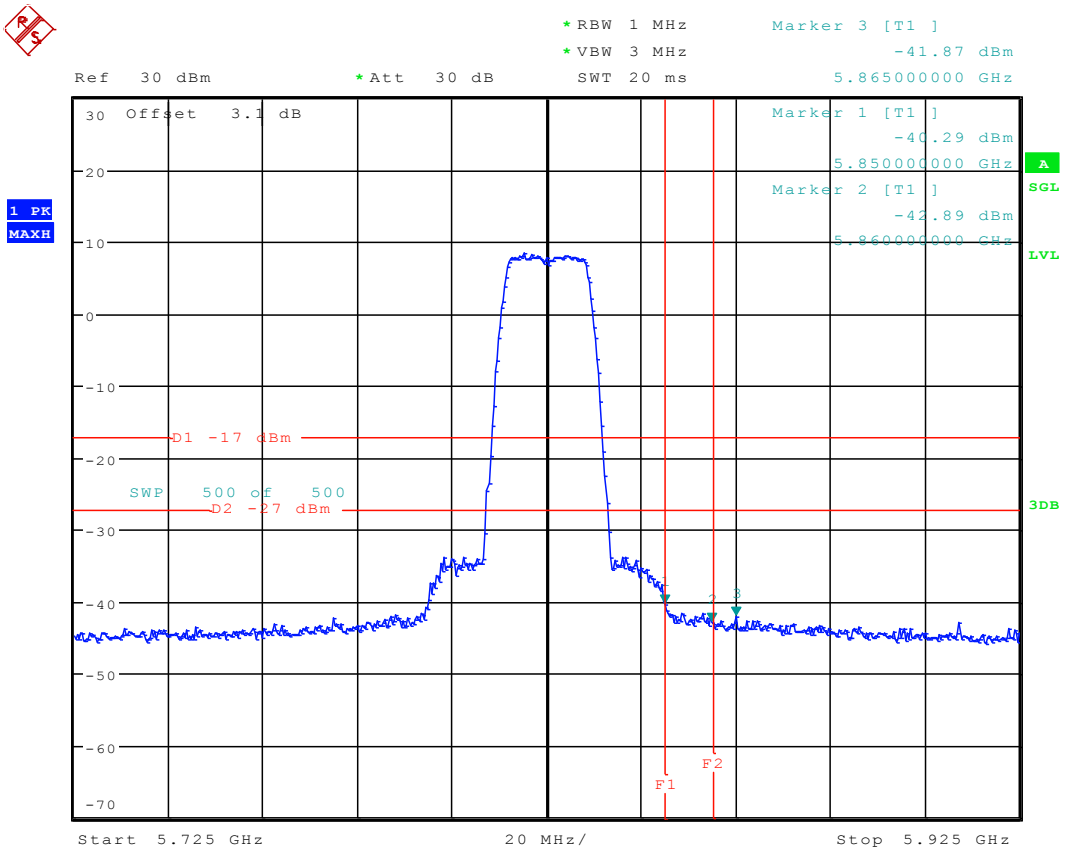
13.30 11N20_149 Ant 2



Date: 12.MAR.2016 18:34:31

13.31 11N20_165 Ant 1



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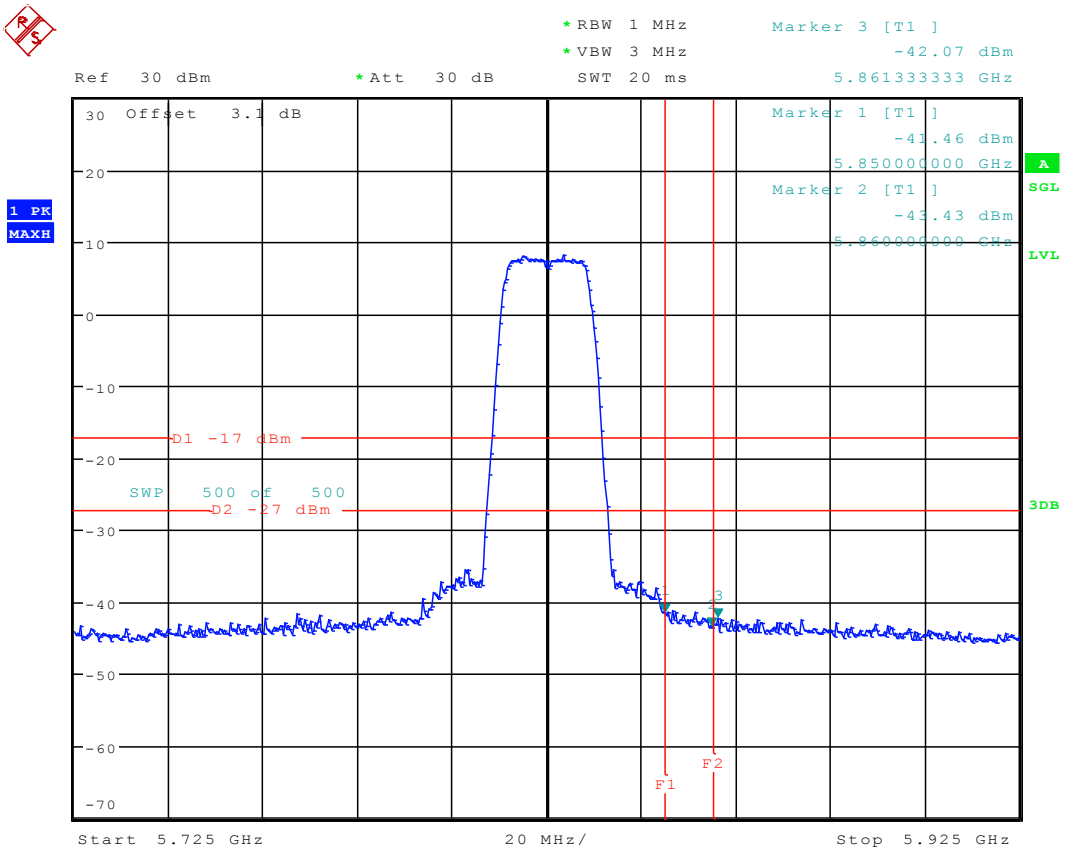
13.32 11N20_165 Ant 2



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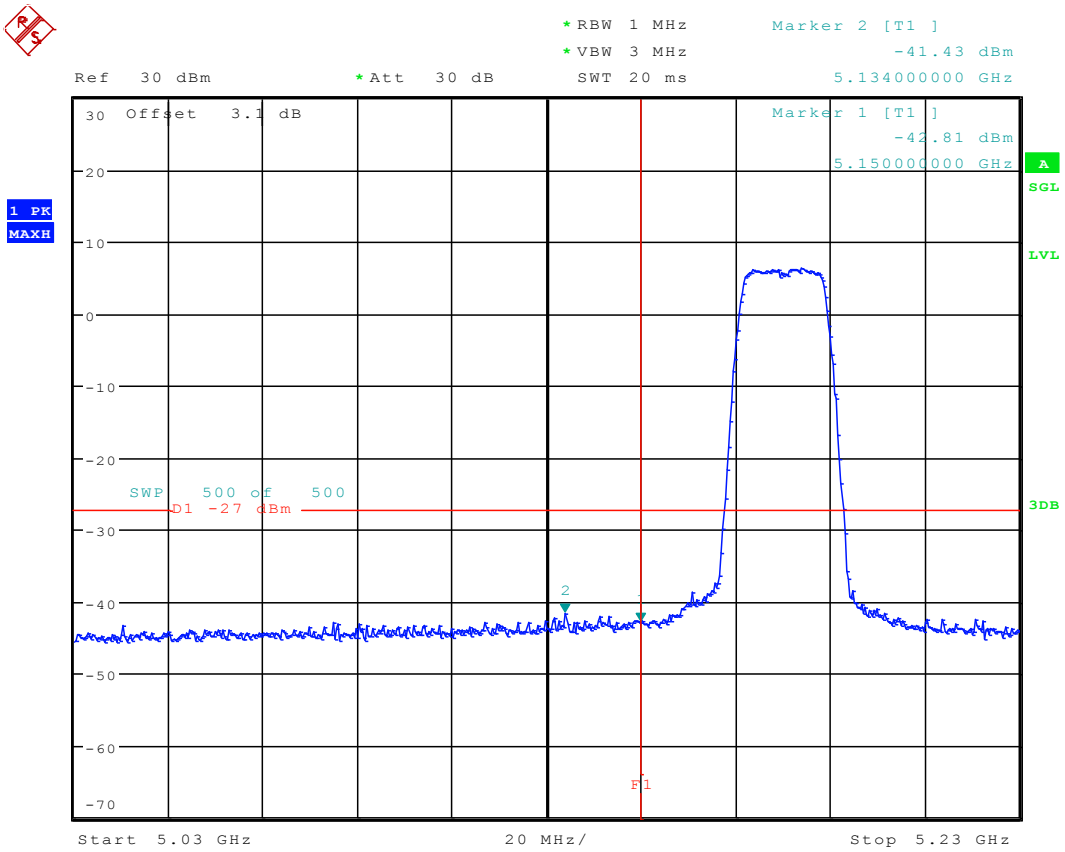
13.33 11N20M_36 Ant 1



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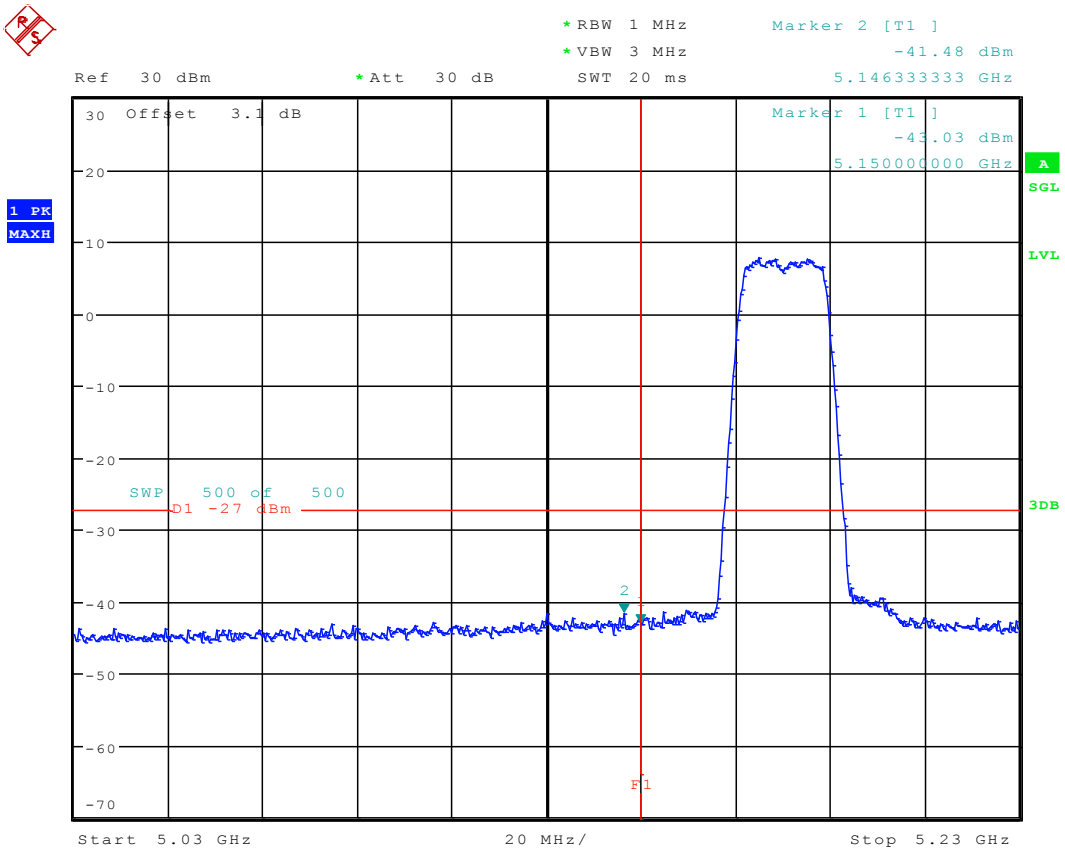
13.34 11N20M_36 Ant 2



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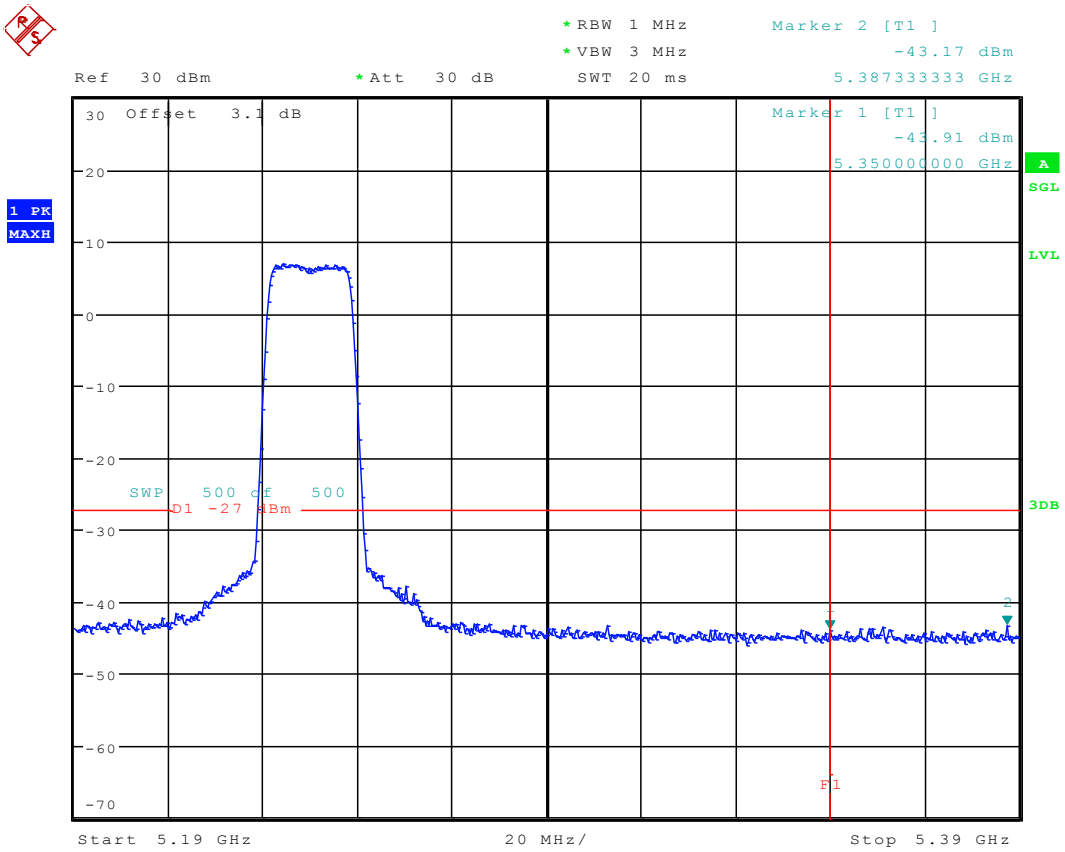
13.35 11N20M_48 Ant 1



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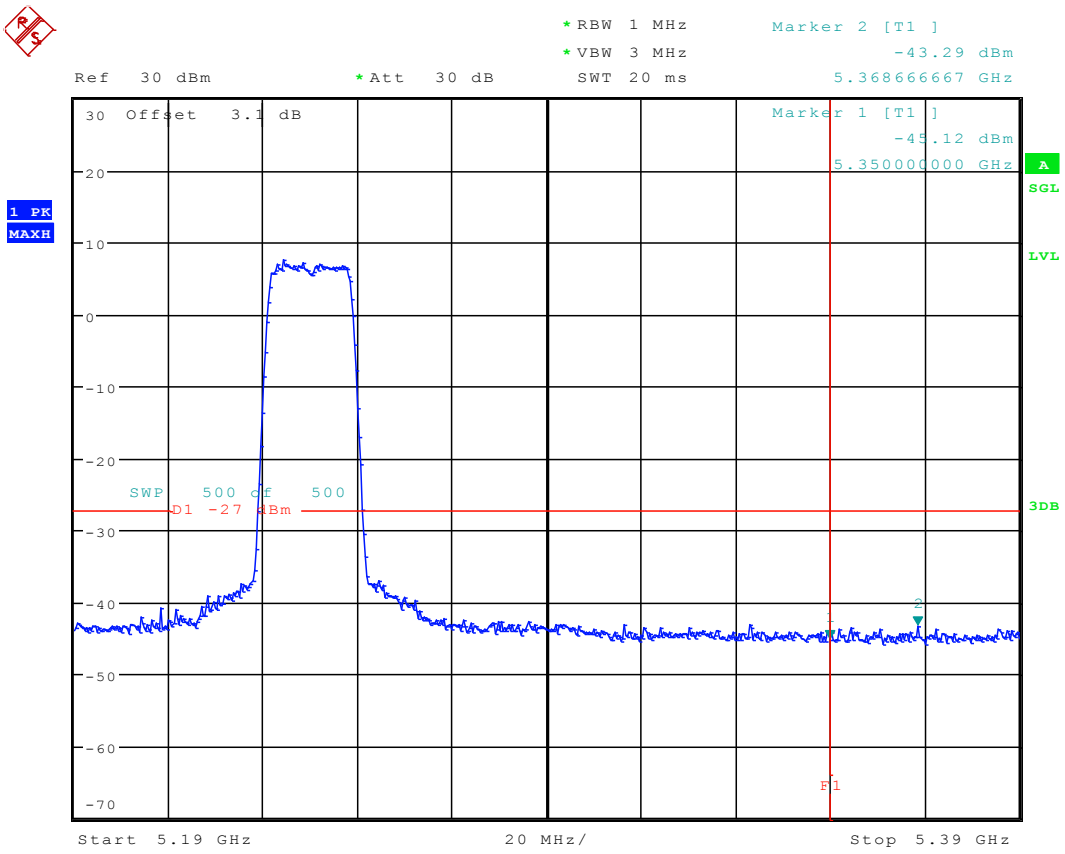
13.36 11N20M_48 Ant 2



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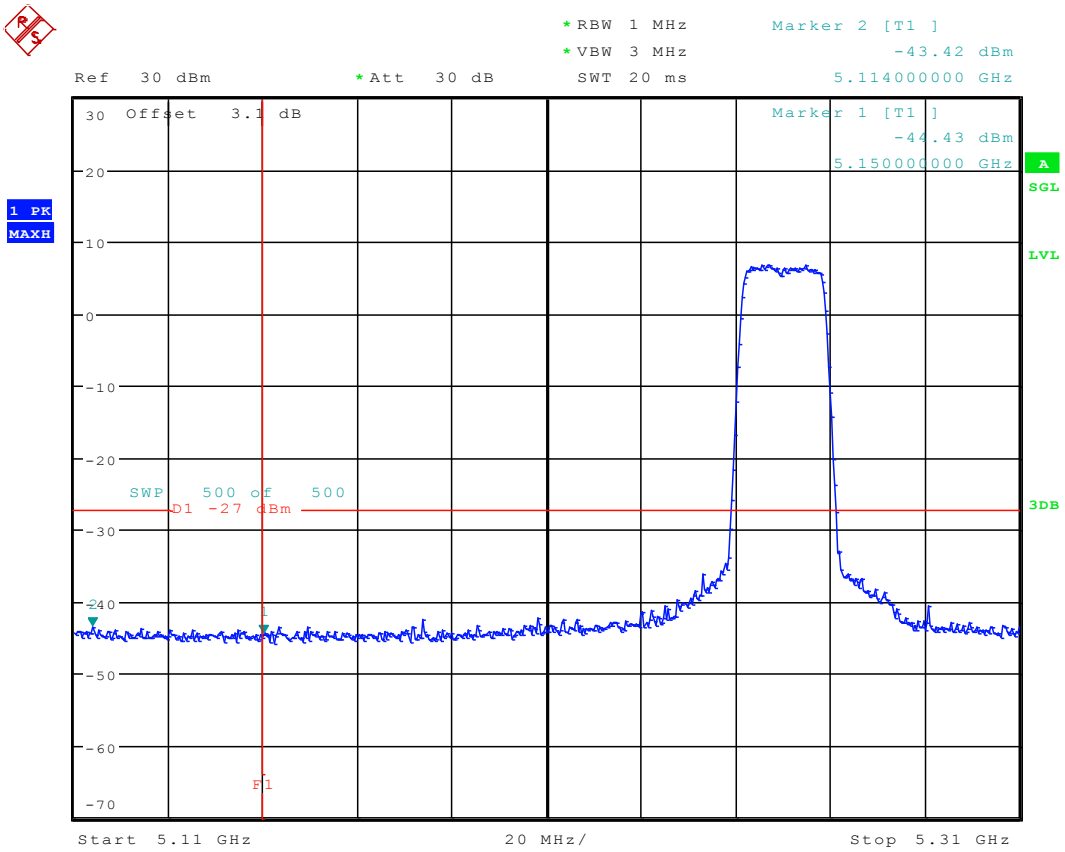
13.37 11N20M_52 Ant 1



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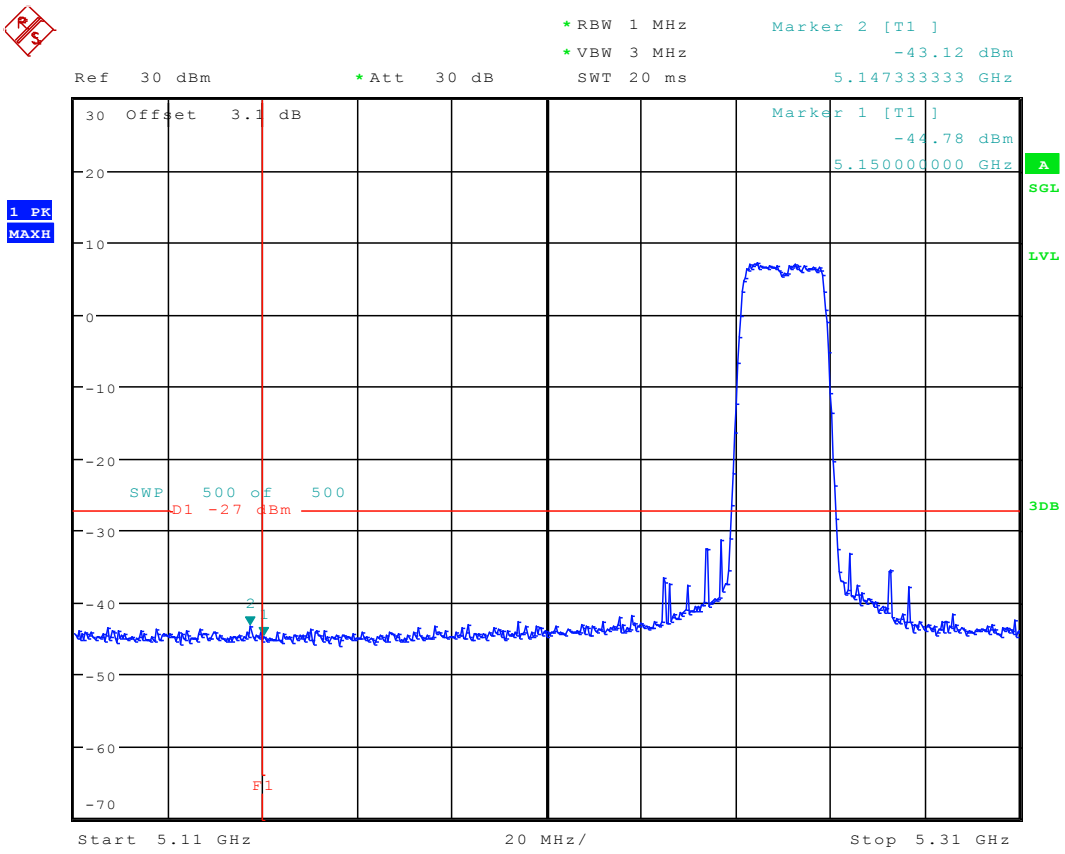
13.38 11N20M_52 Ant 2



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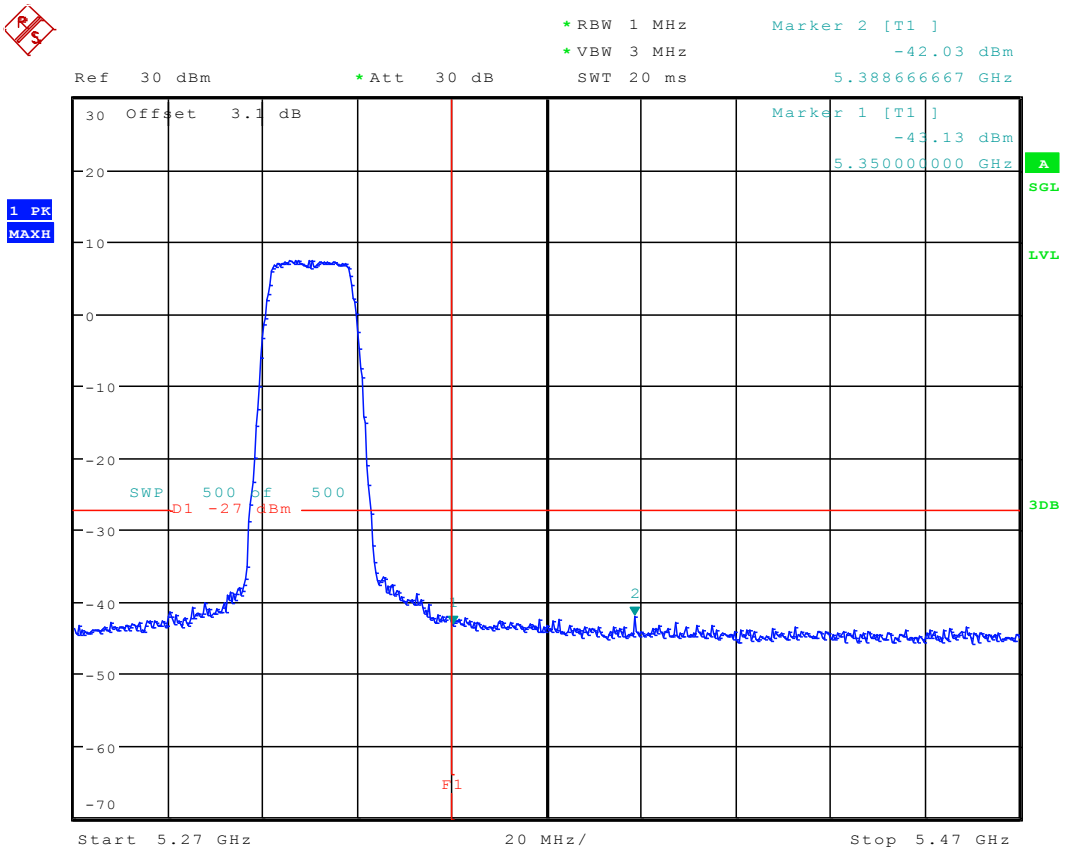
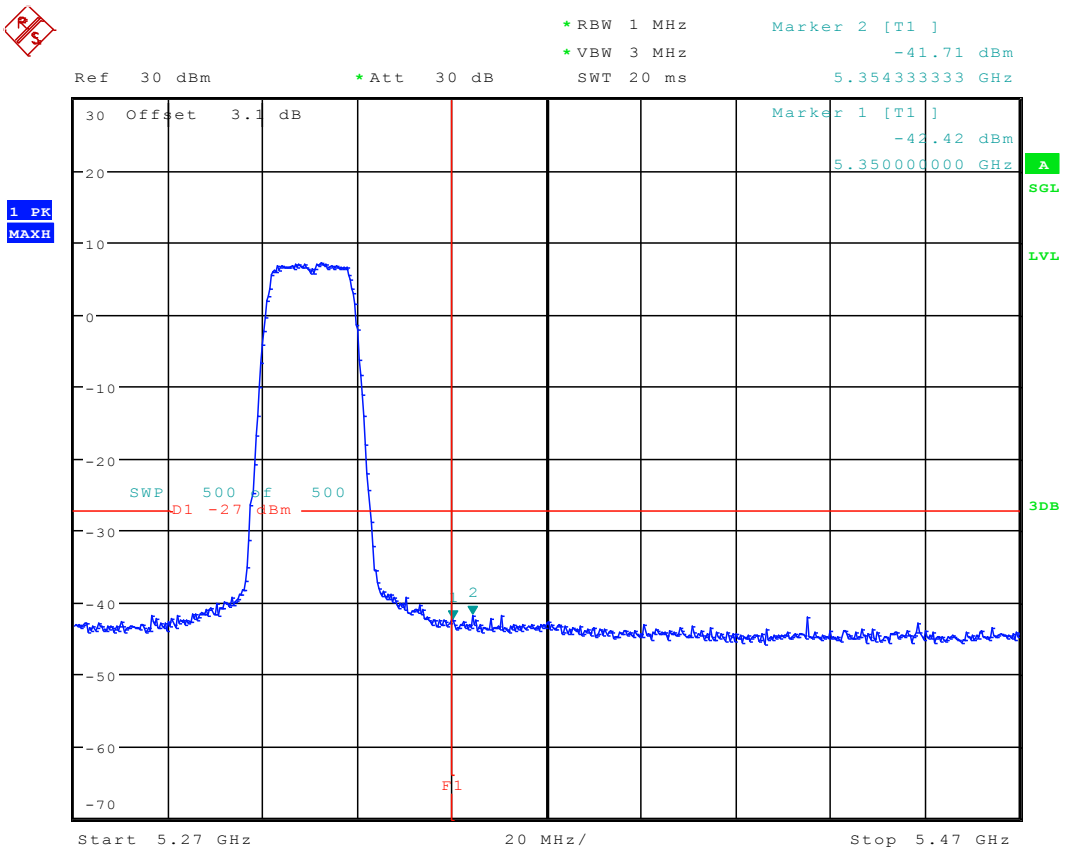
13.39 11N20M_64 Ant 1



Date: 15.MAR.2016 12:15:42

13.40 11N20M_64 Ant 2



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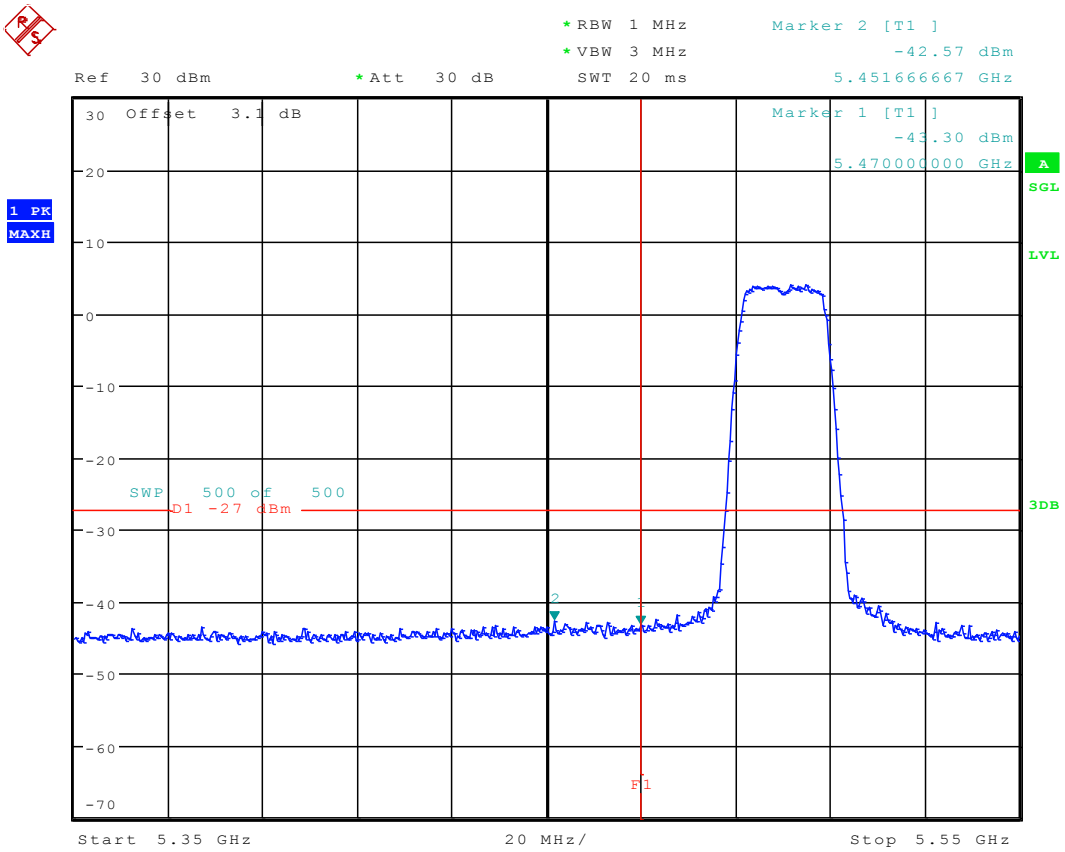
13.41 11N20M_100 Ant 1



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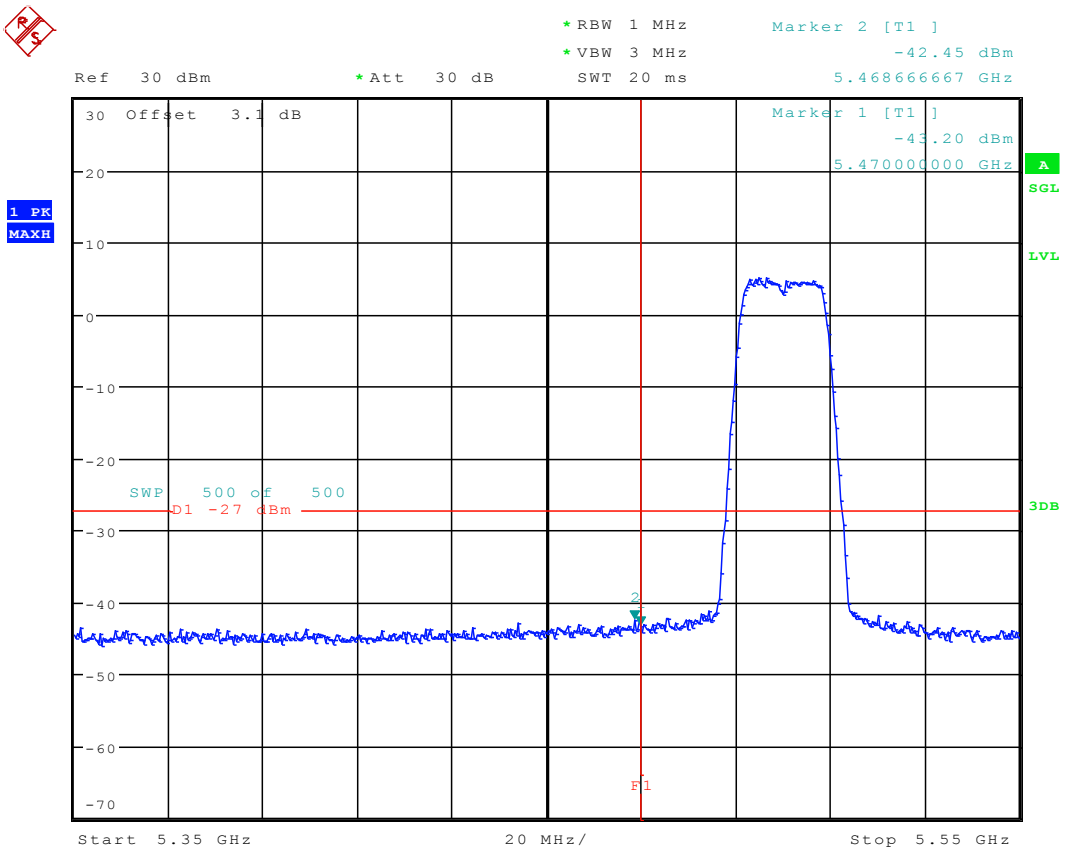
13.42 11N20M_100 Ant 2



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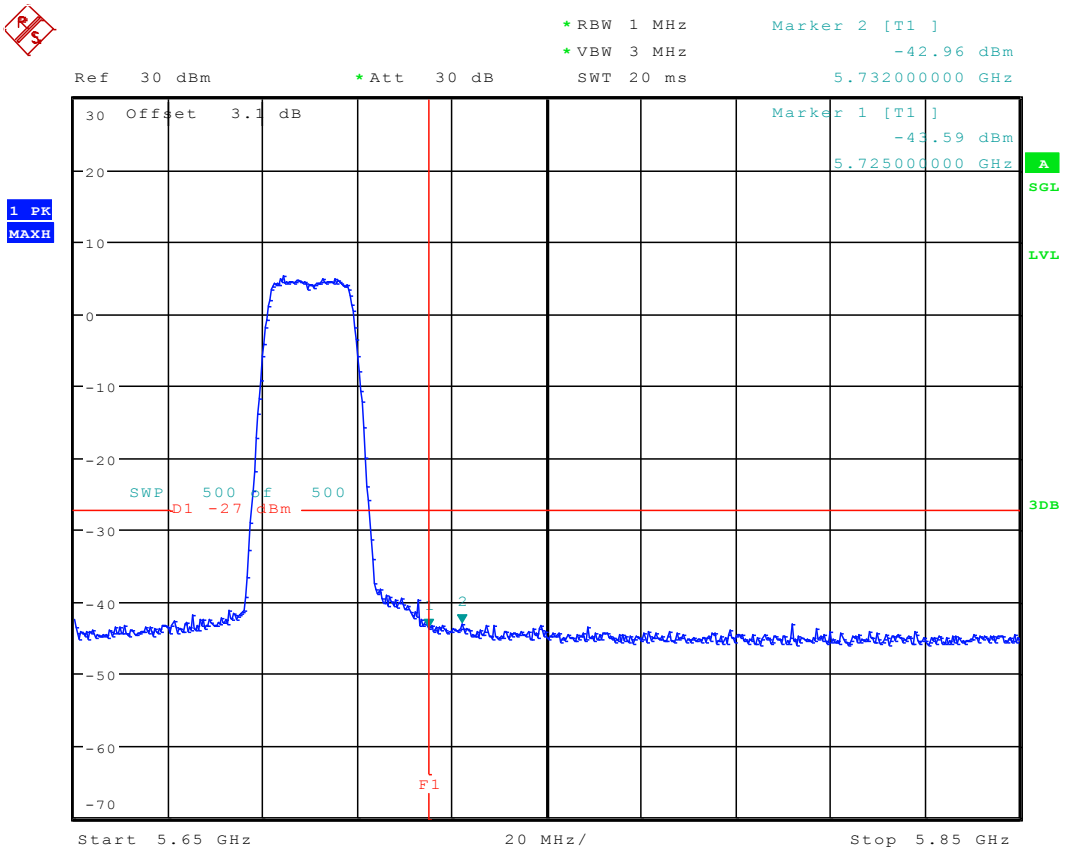
13.43 11N20M_140 Ant 1



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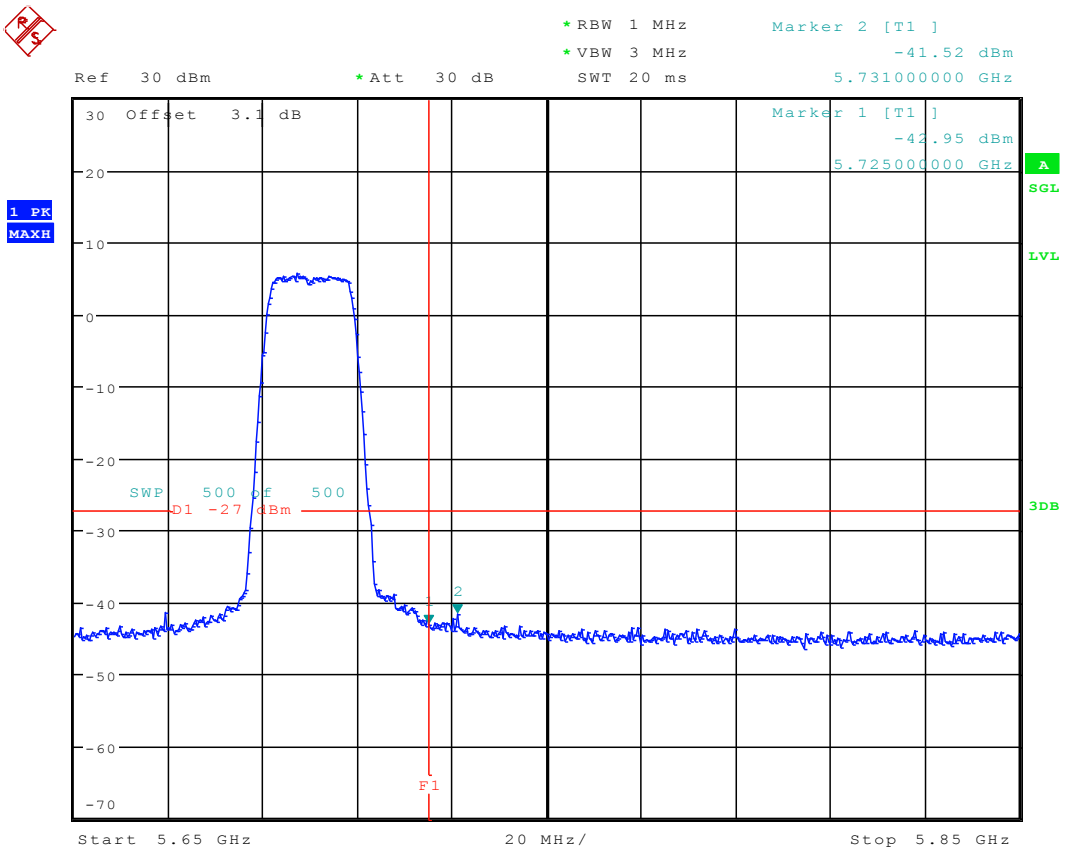
13.44 11N20M_140 Ant 2



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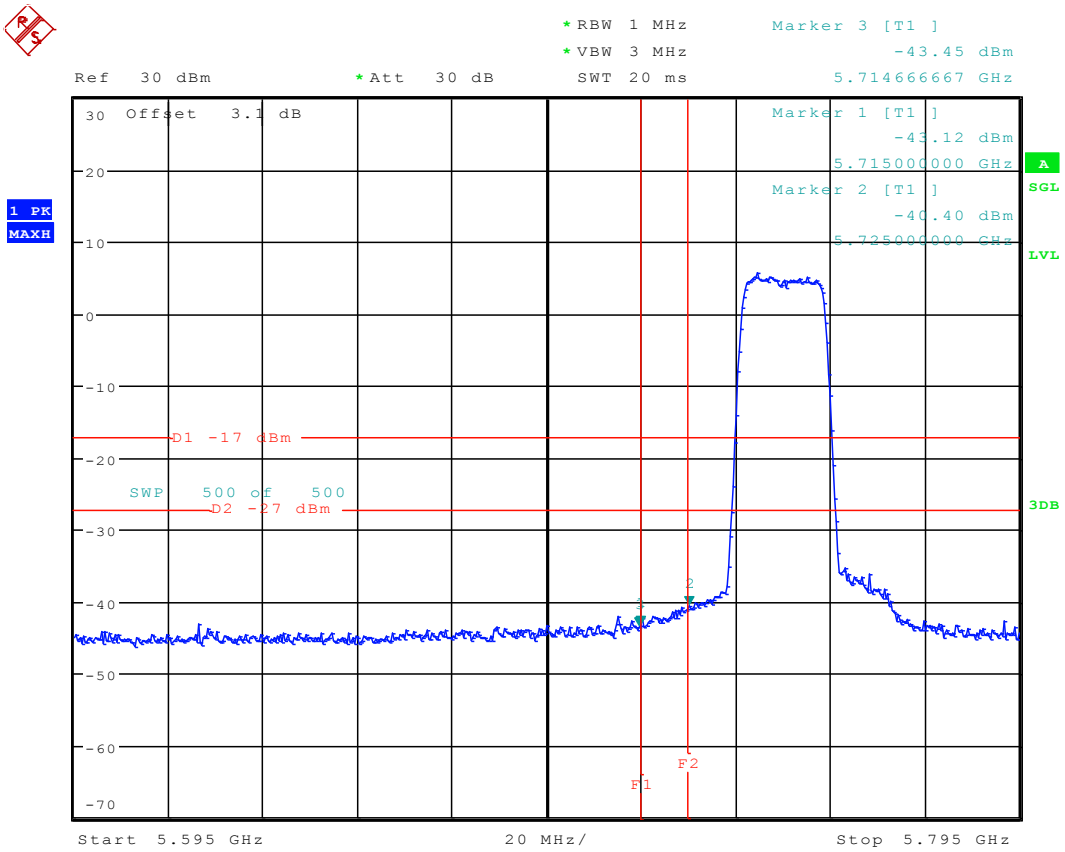
13.45 11N20M_149 Ant 1



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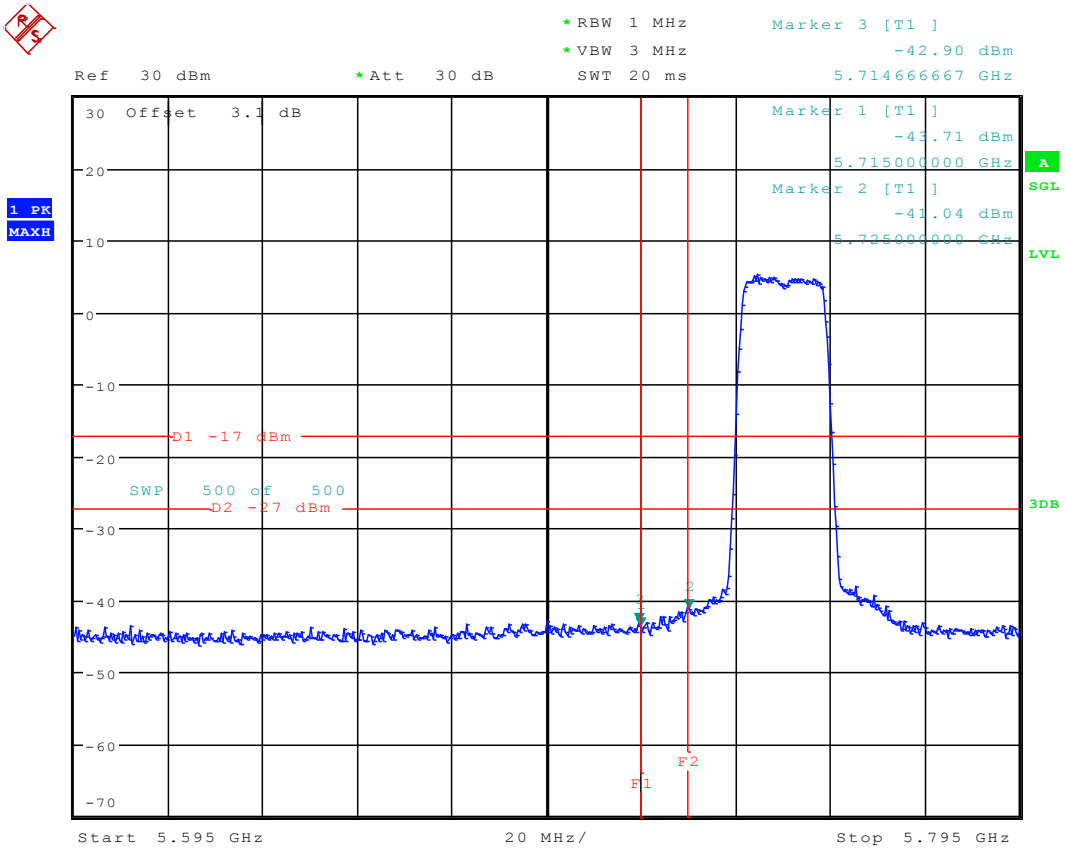
13.46 11N20M_149 Ant 2



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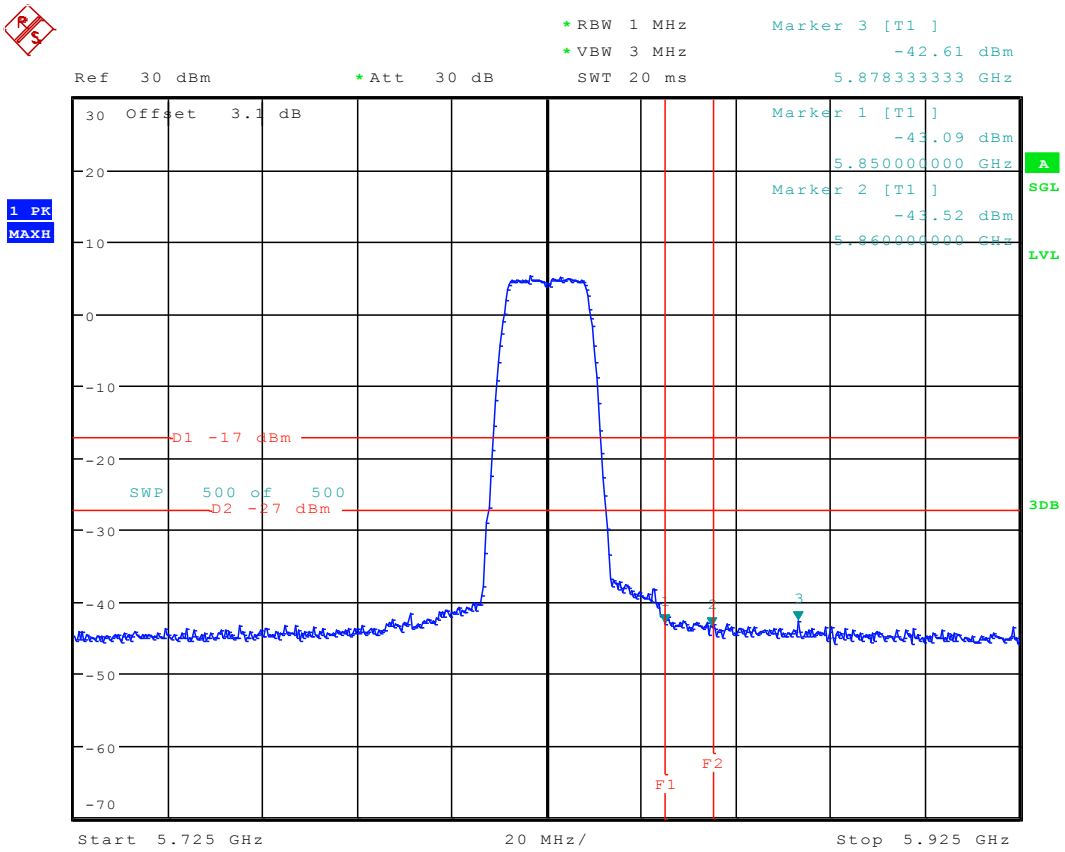
13.47 11N20M_165 Ant 1



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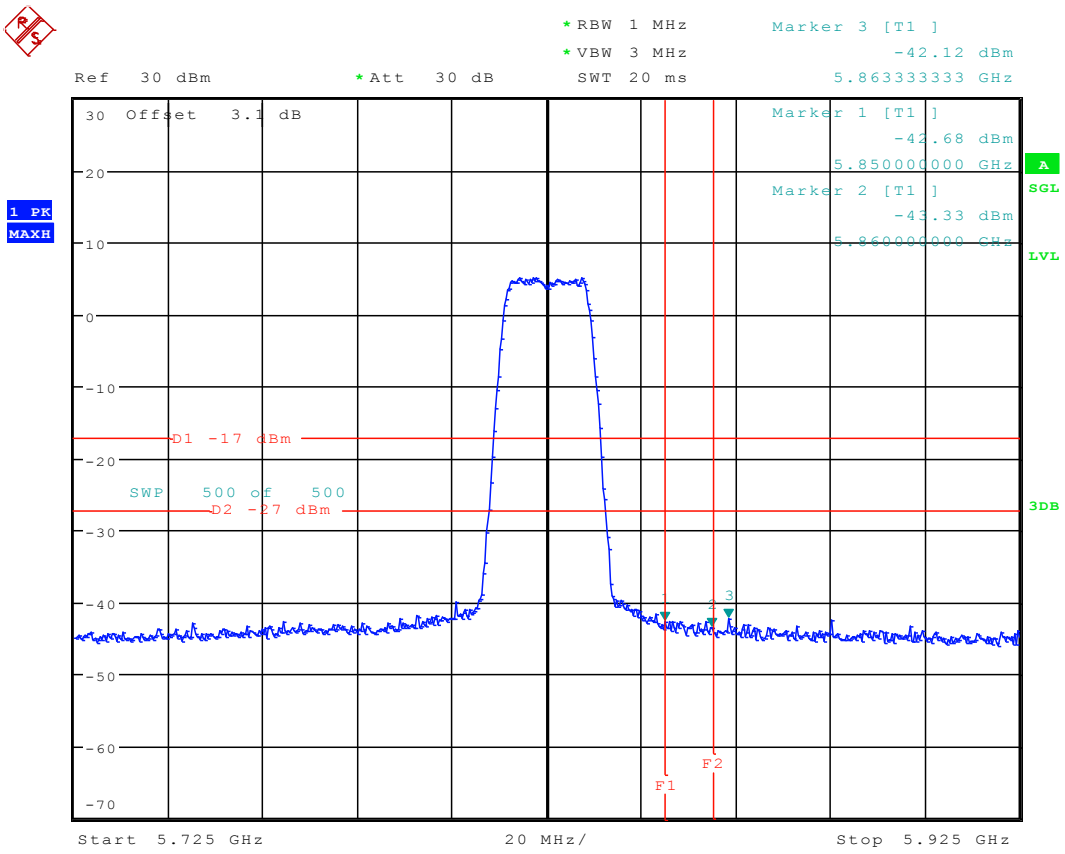
13.48 11N20M_165 Ant 2



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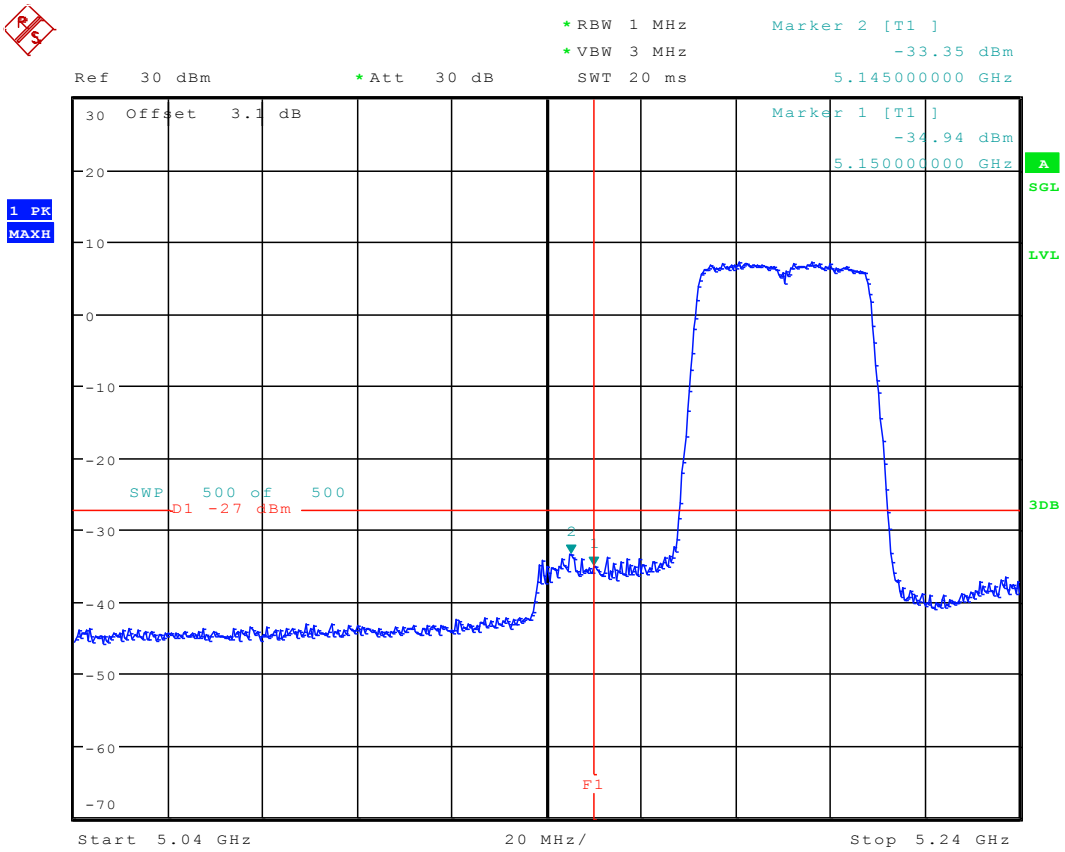
13.49 11N40_38 Ant 1



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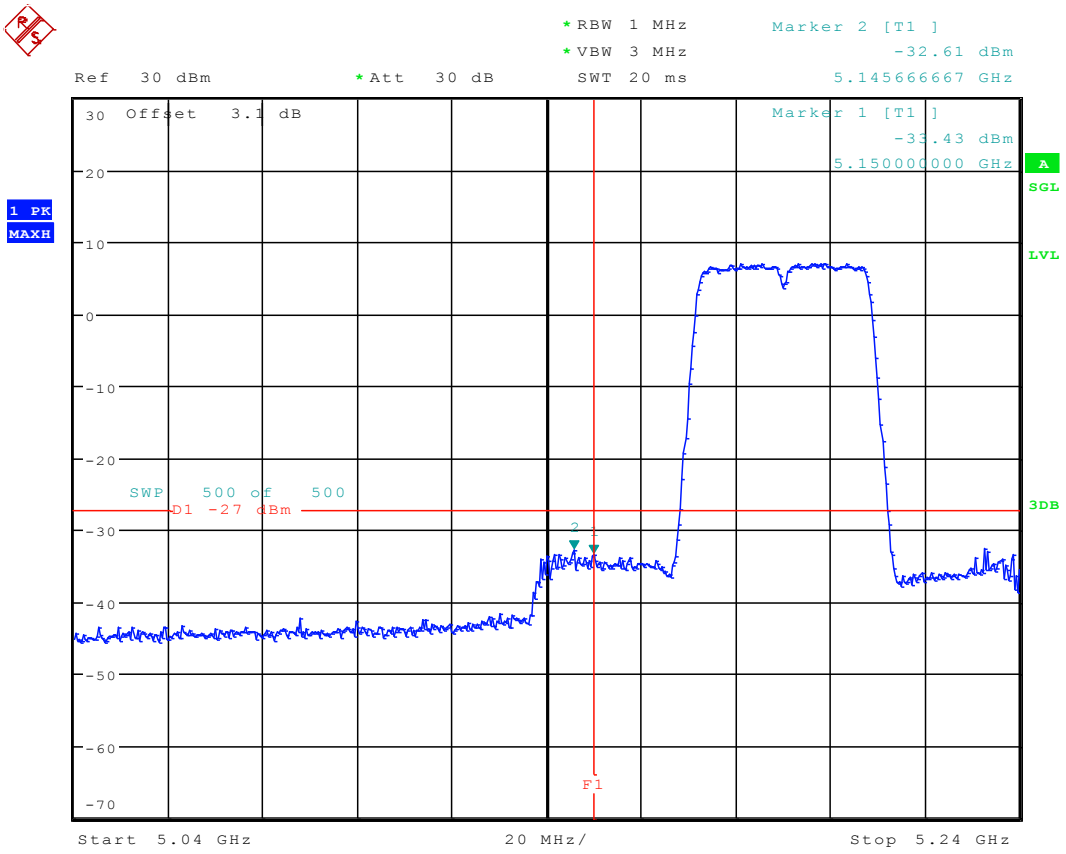
13.50 11N40_38 Ant 2



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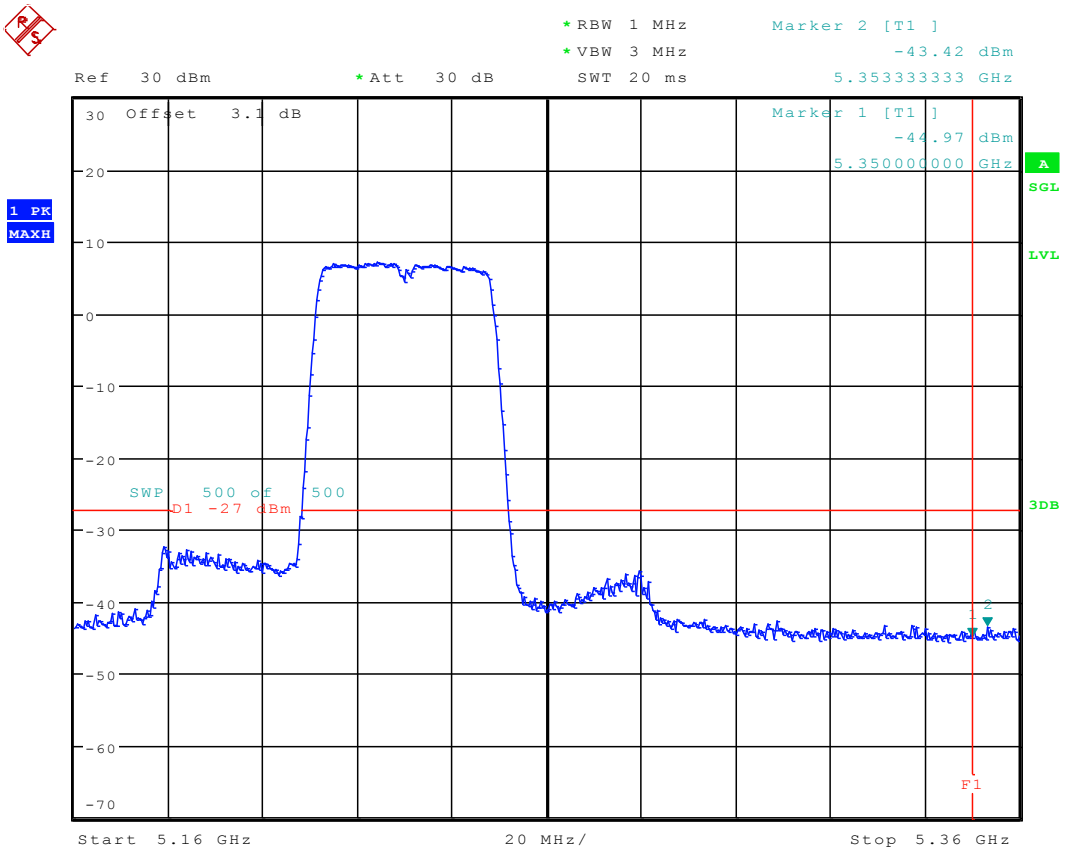
13.51 11N40_46 Ant 1



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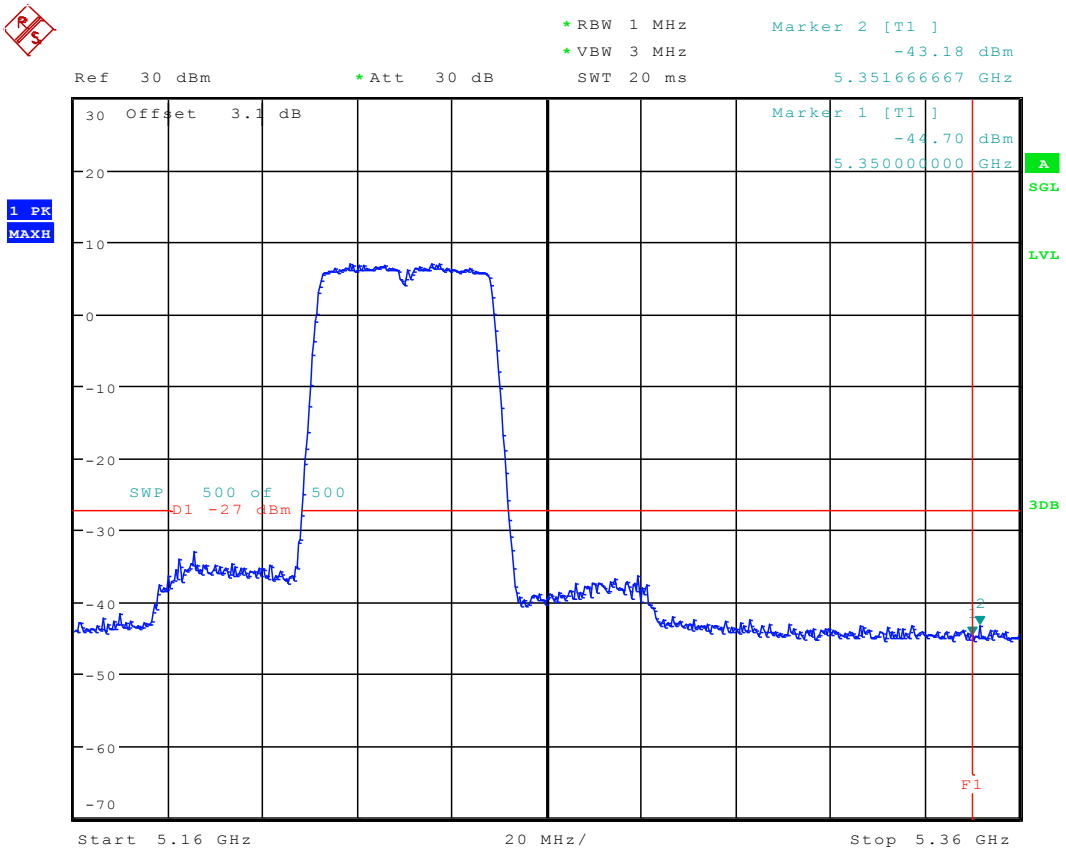
13.52 11N40_46 Ant 2



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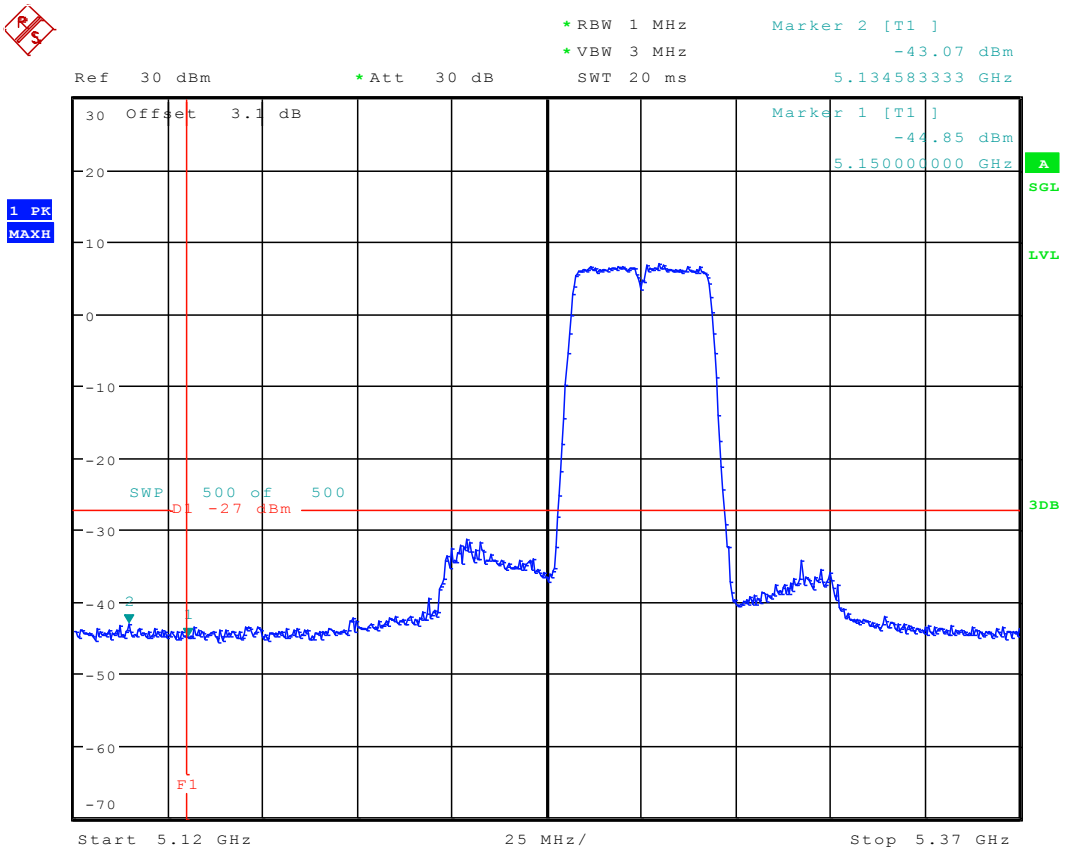
13.53 11N40_54 Ant 1



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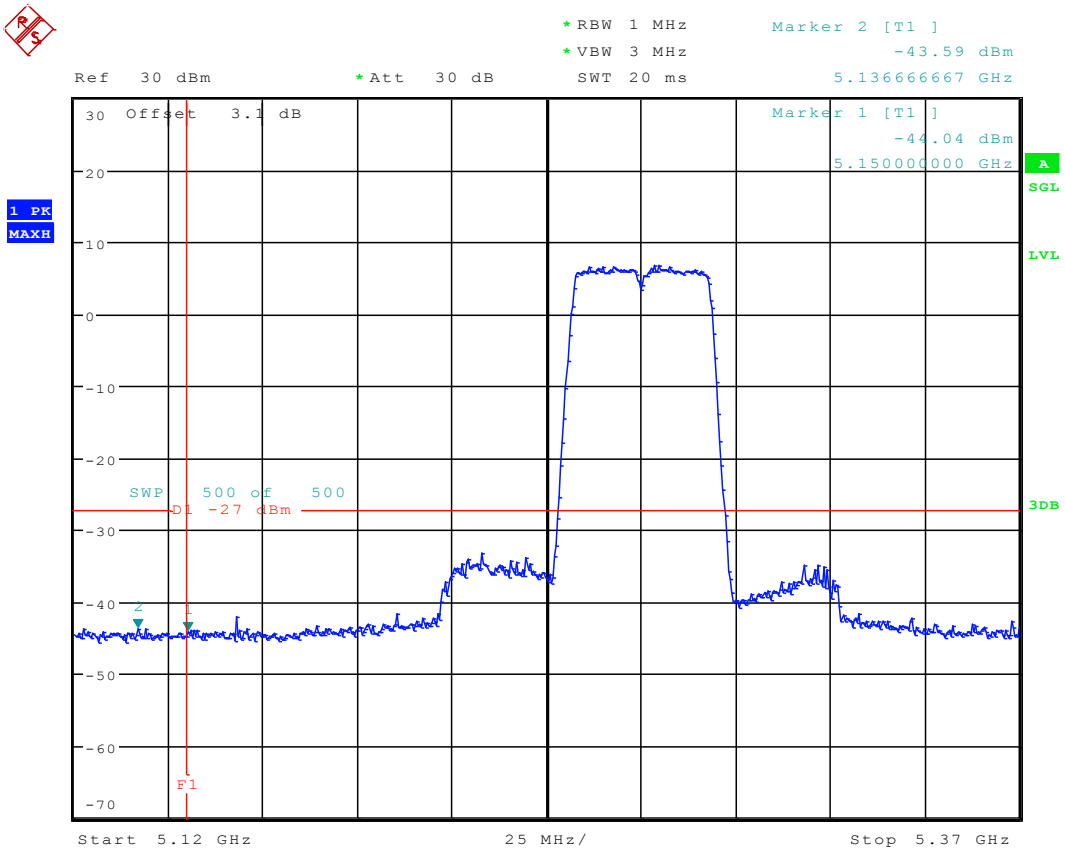
13.54 11N40_54 Ant 2



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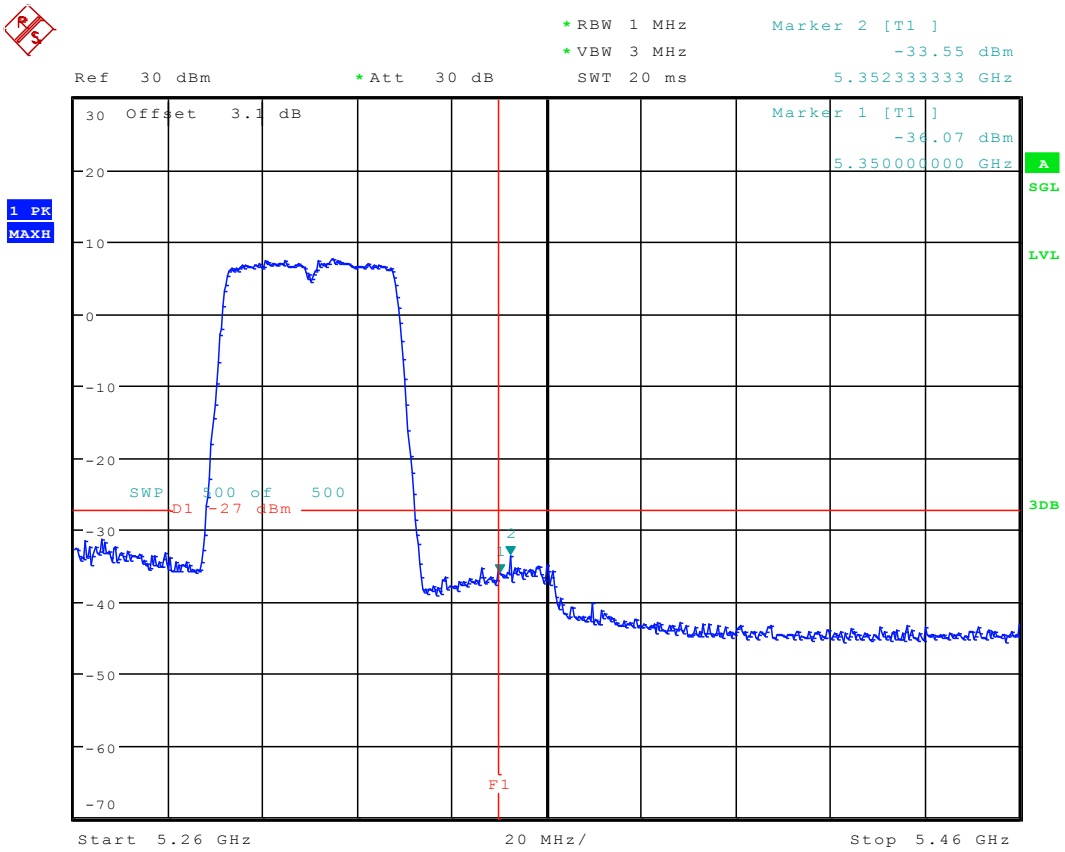
13.55 11N40_62 Ant 1



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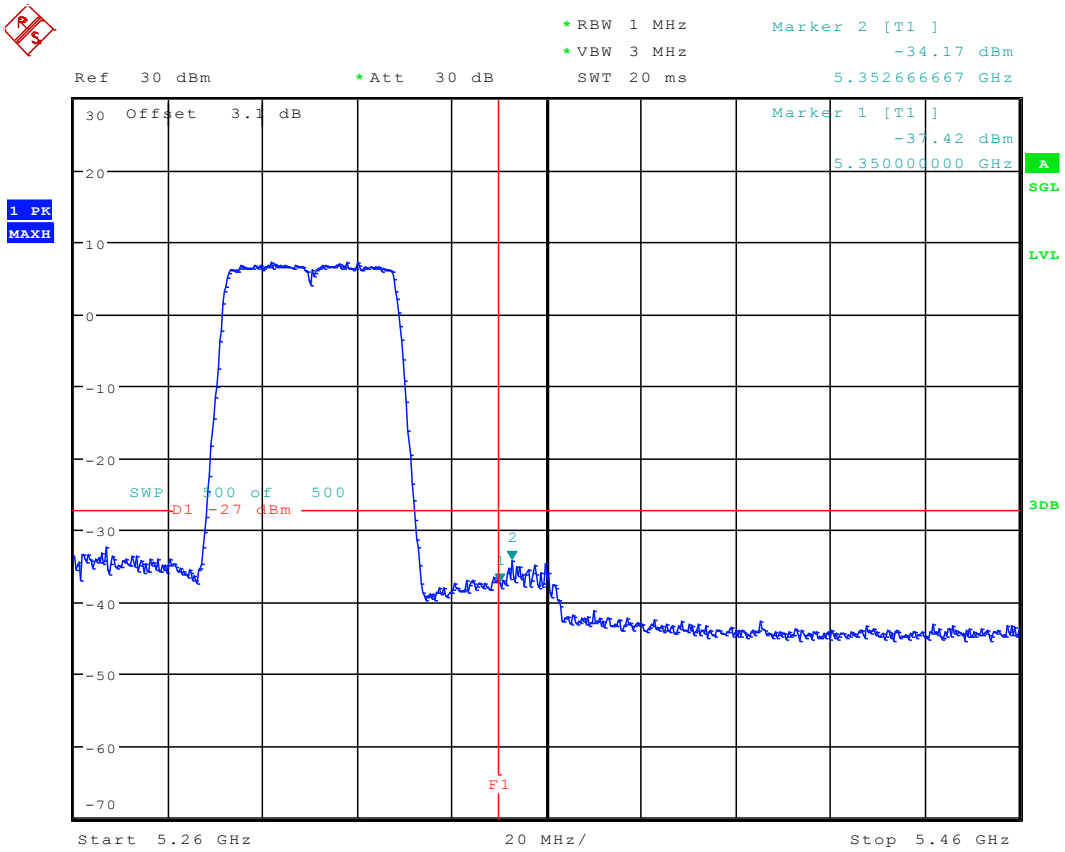
13.56 11N40_62 Ant 2



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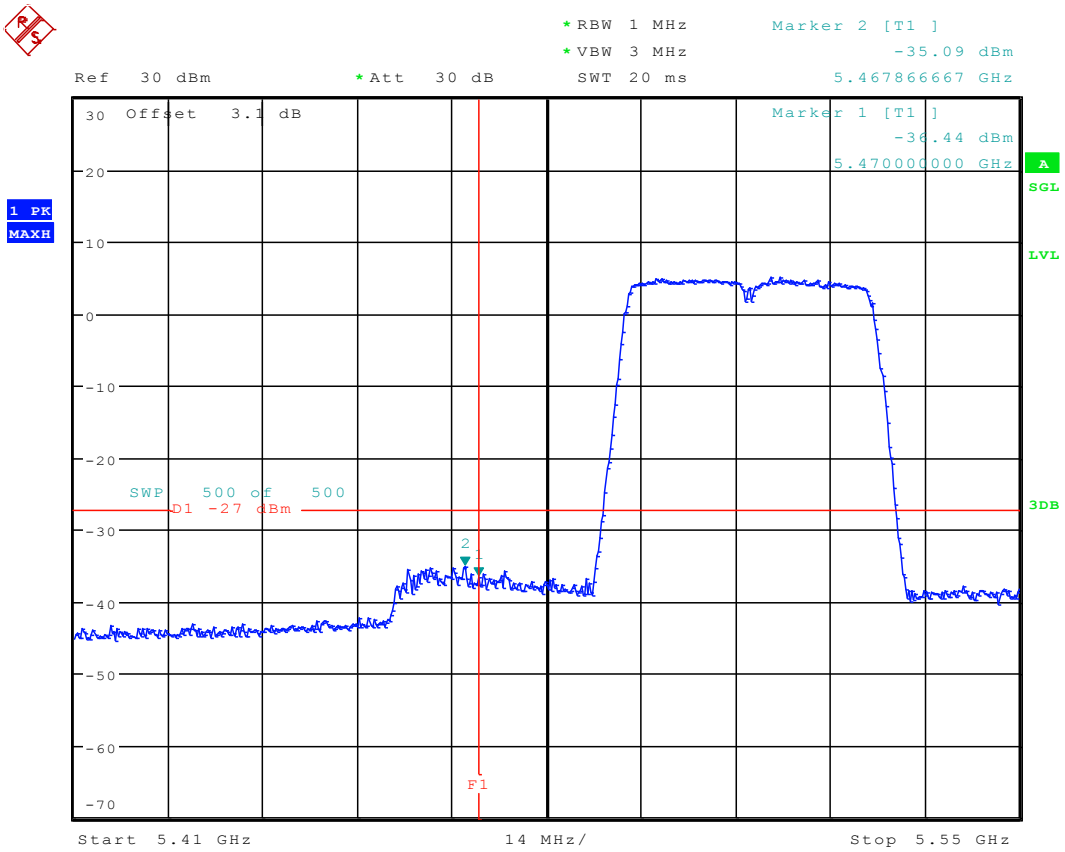
13.57 11N40_102 Ant 1



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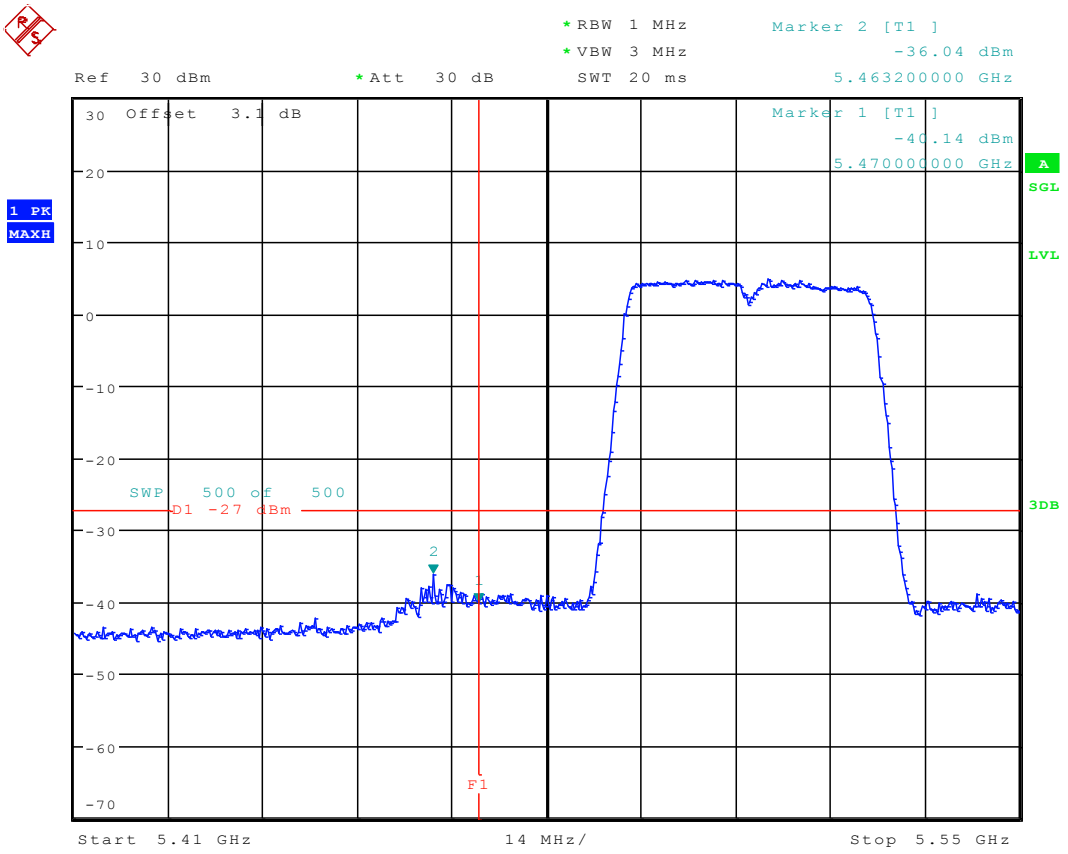
13.58 11N40_102 Ant 2



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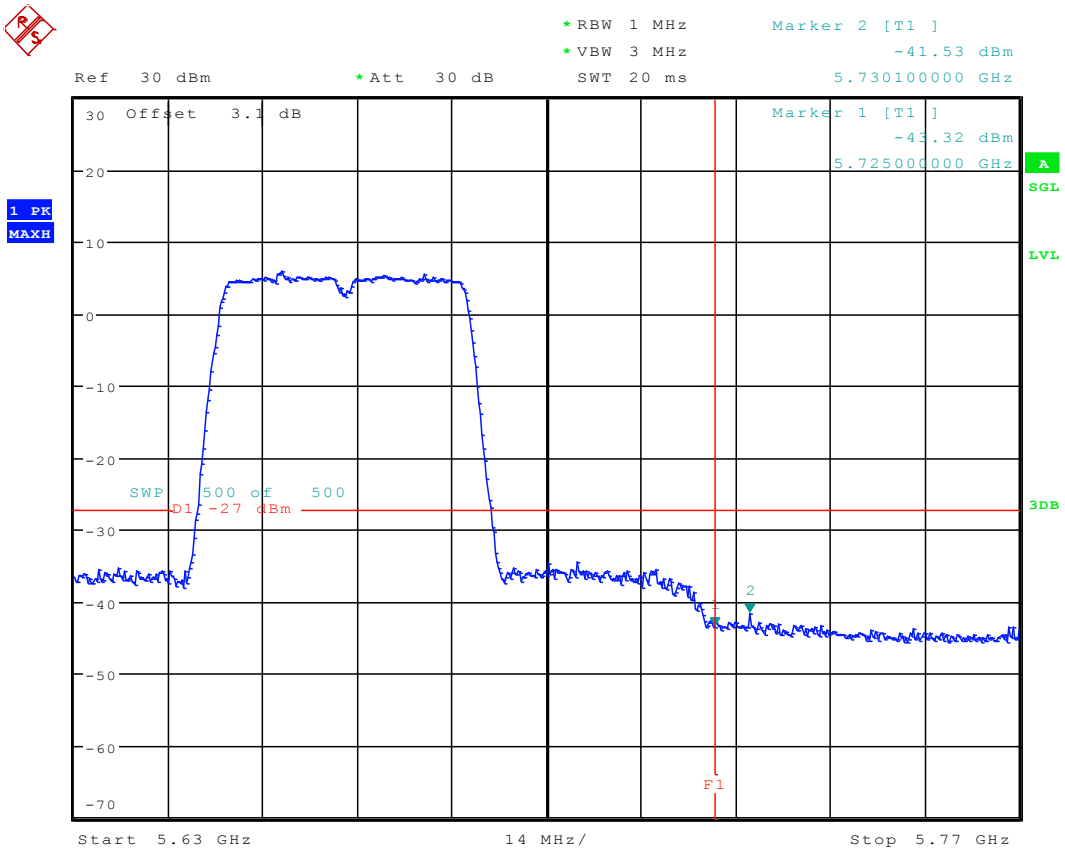
13.59 11N40_134 Ant 1



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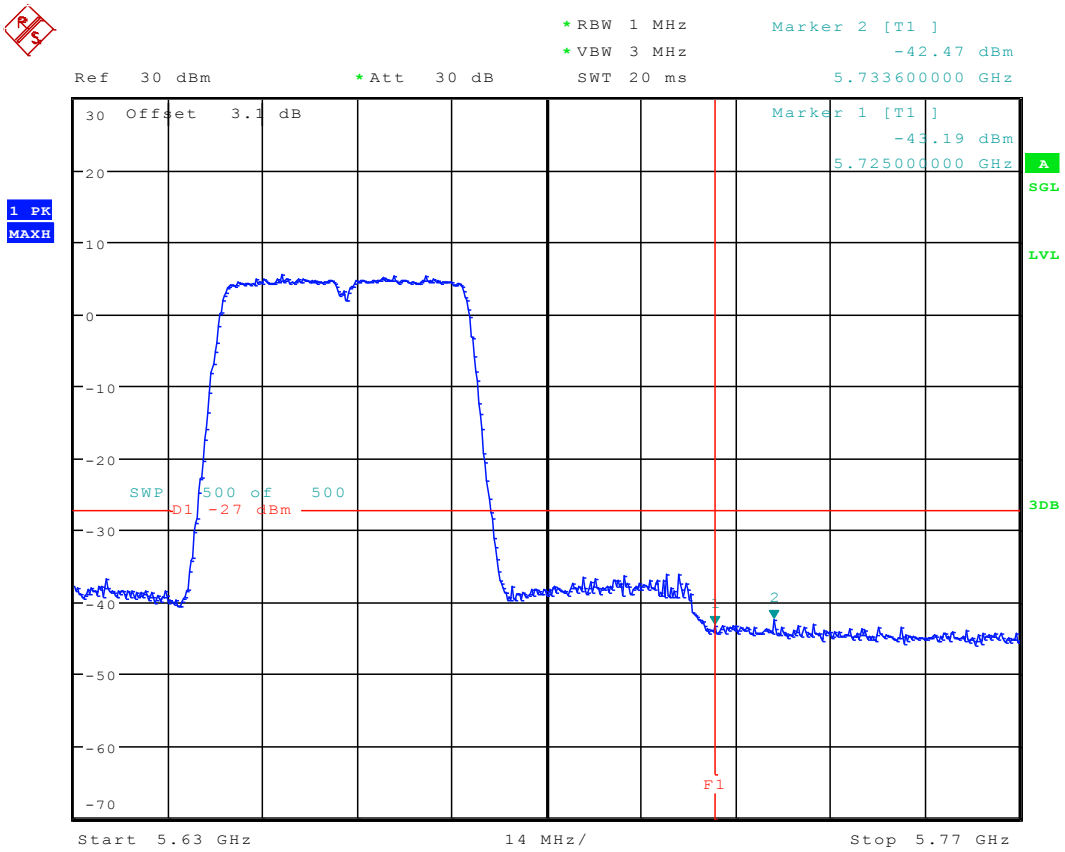
13.60 11N40_134 Ant 2



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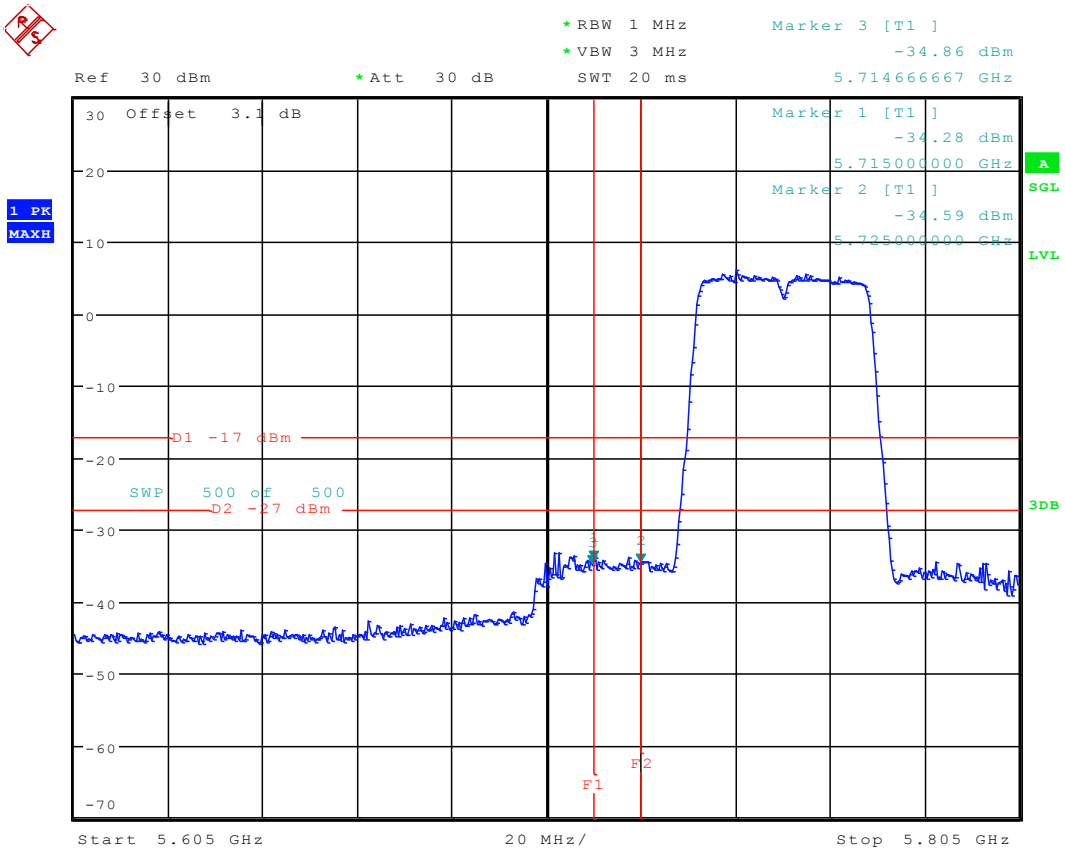
13.61 11N40_151 Ant 1



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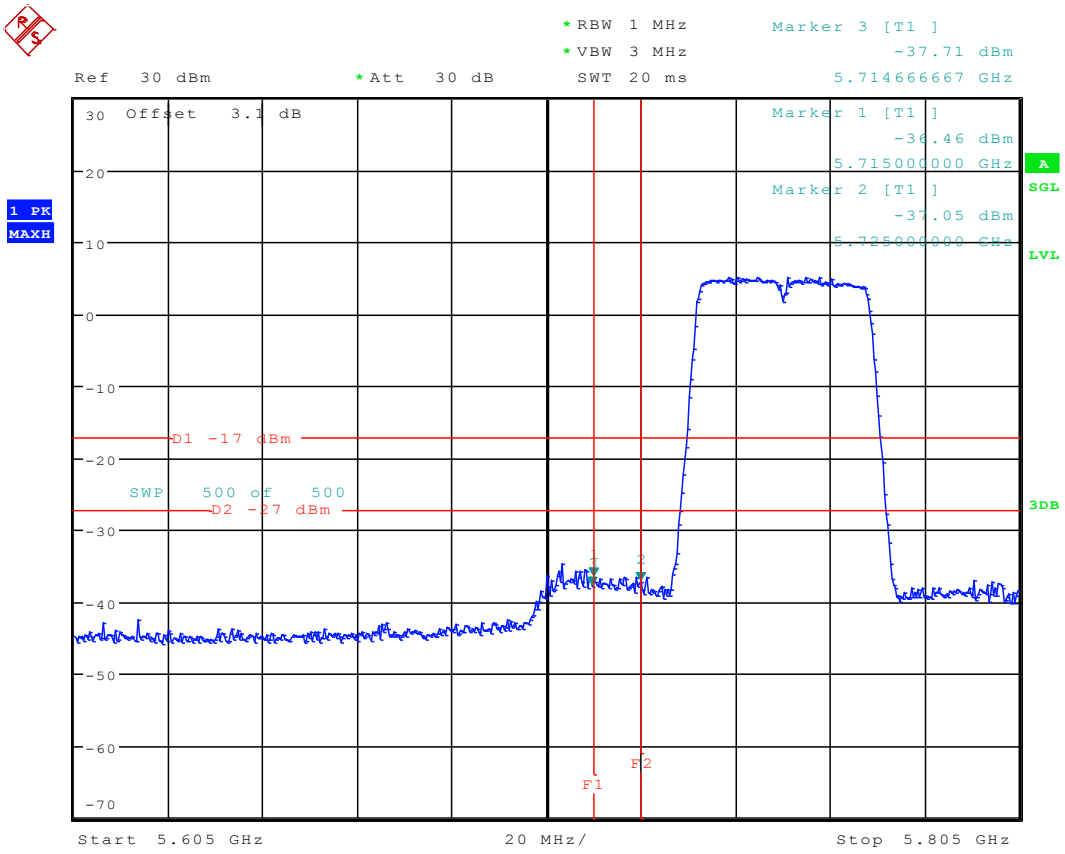
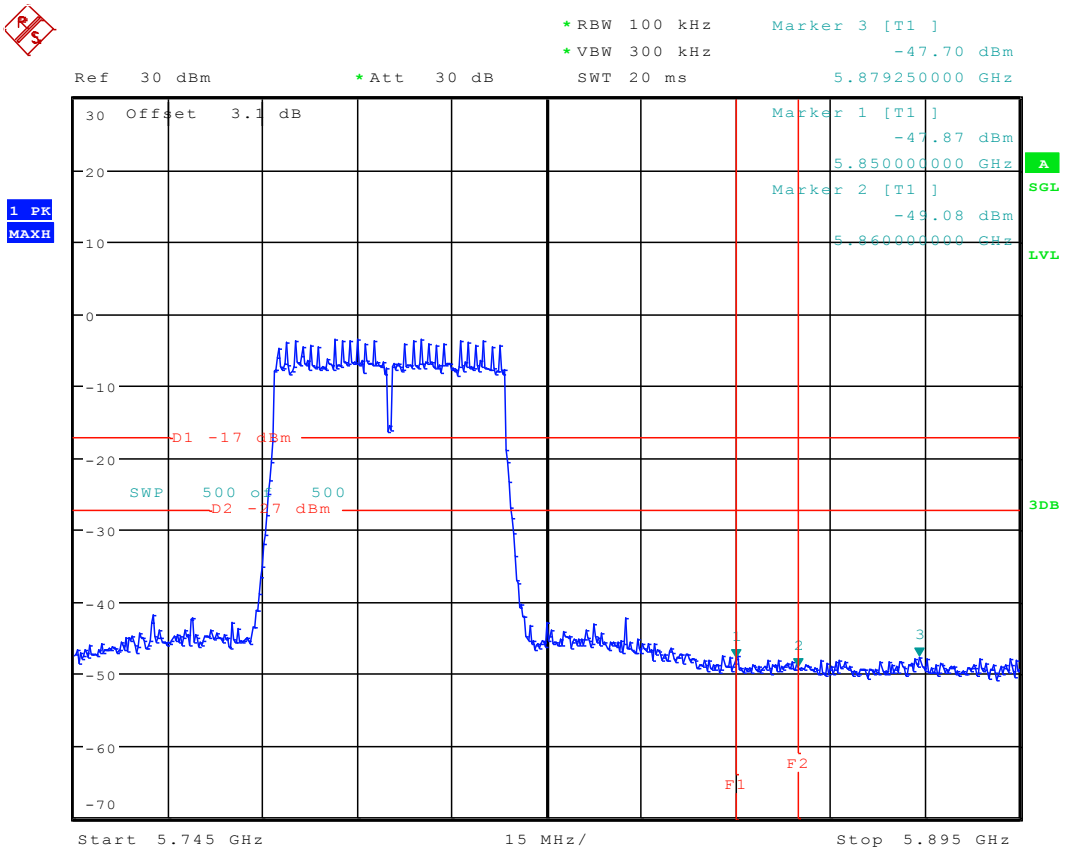
13.62 11N40_151 Ant 2



Date: 14.MAR.2016 14:46:51

13.63 11N40_159 Ant 1



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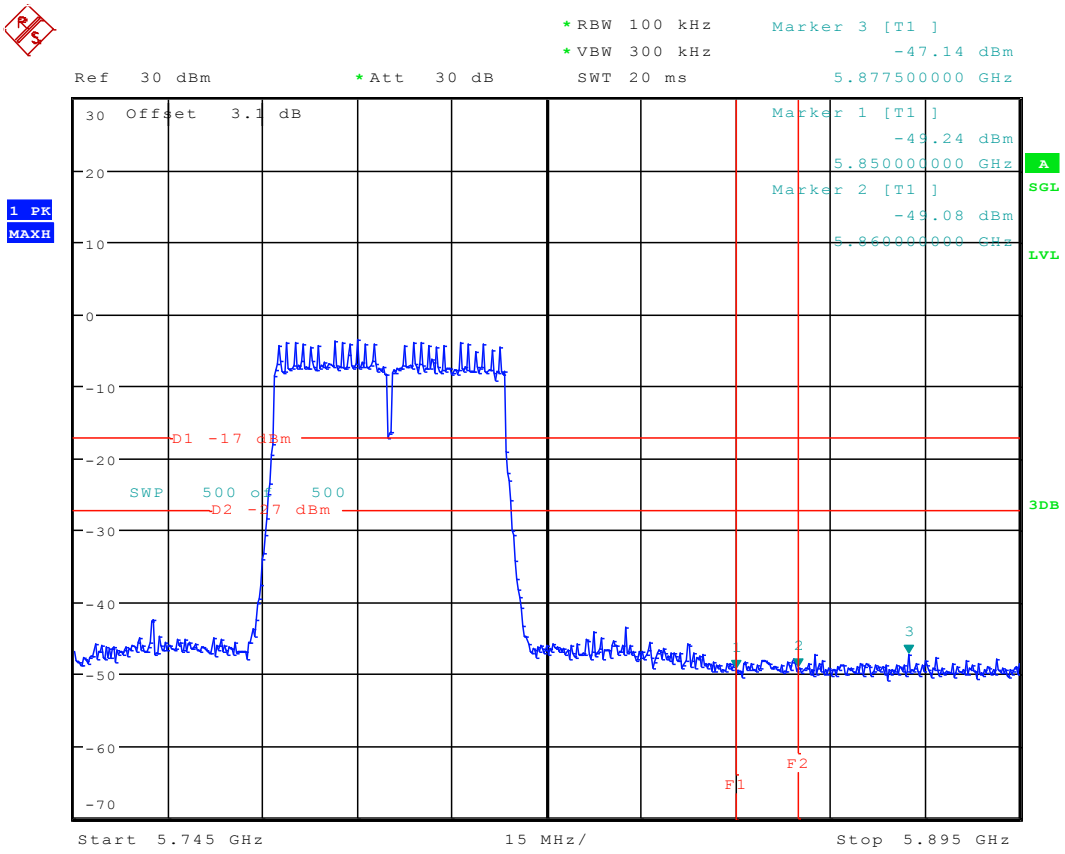
13.64 11N40_159 Ant 2



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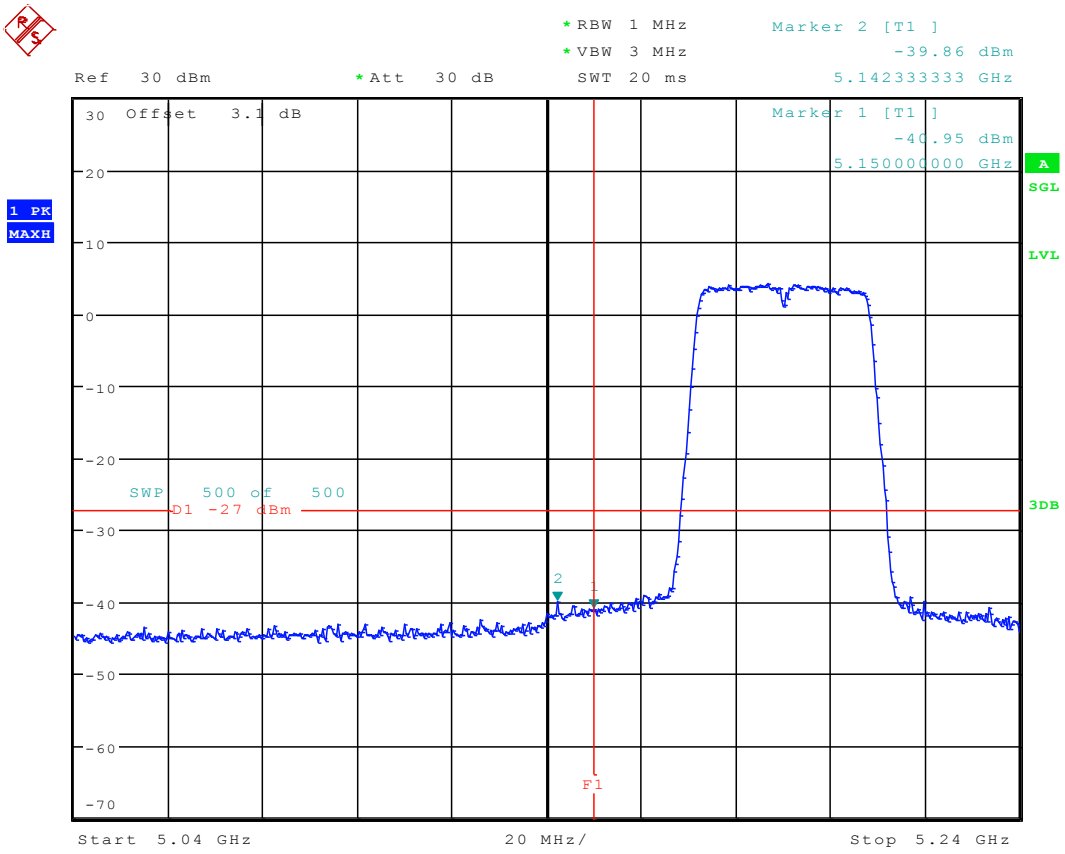
13.65 11N40M_38 Ant 1



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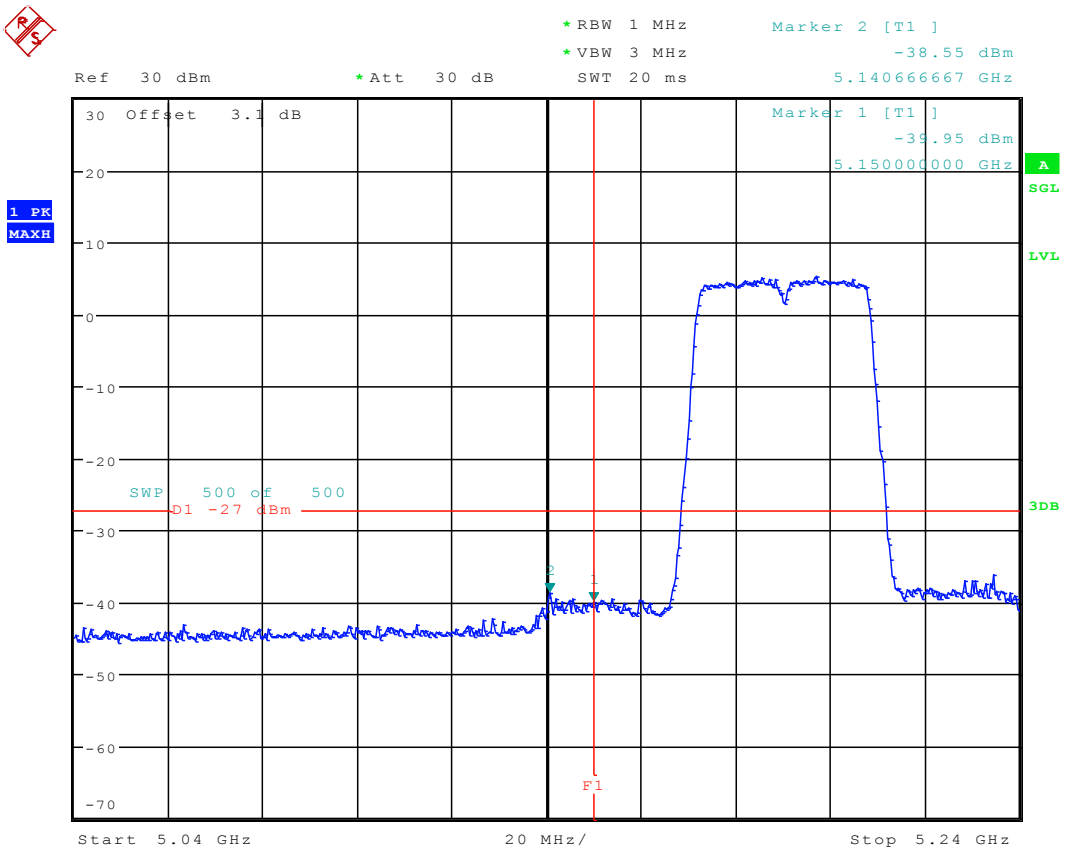
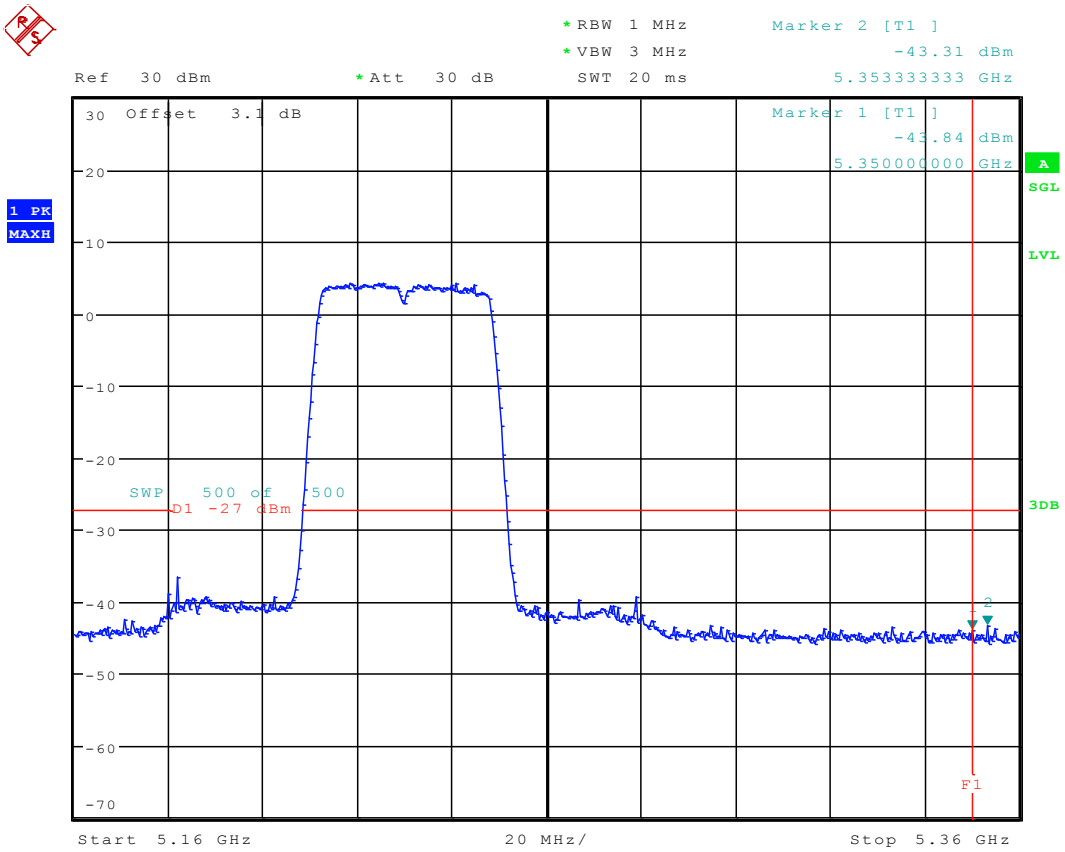
13.66 11N40M_38 Ant 2



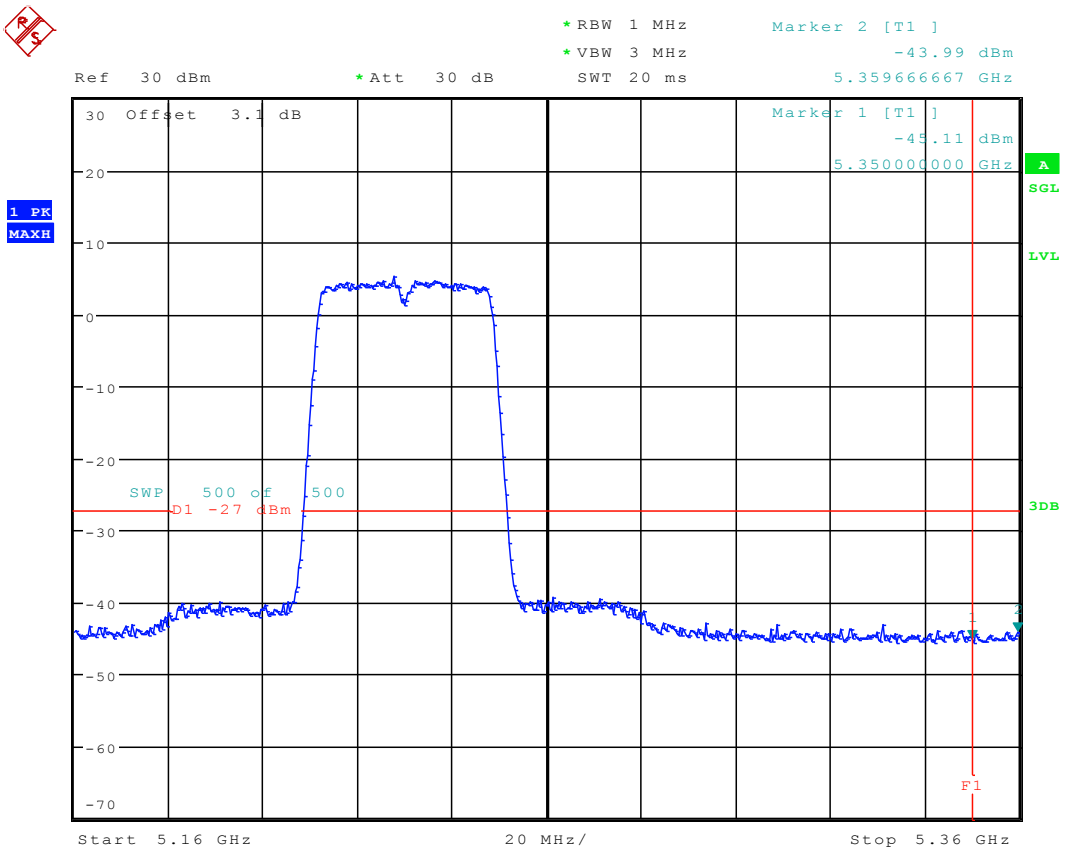
Date: 16.MAR.2016 11:50:58

13.67 11N40M_46 Ant 1



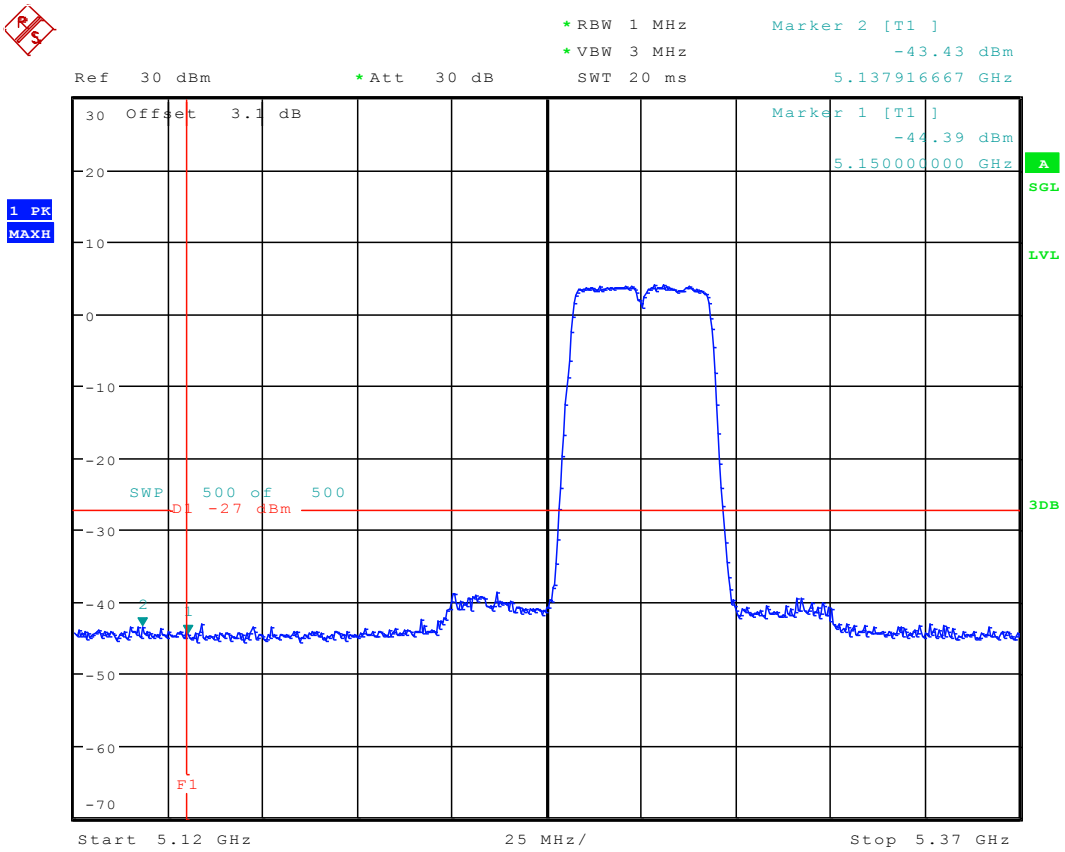
Date: 15.MAR.2016 14:50:25

13.68 11N40M_46 Ant 2



Date: 16.MAR.2016 11:56:37

13.69 11N40M_54 Ant 1



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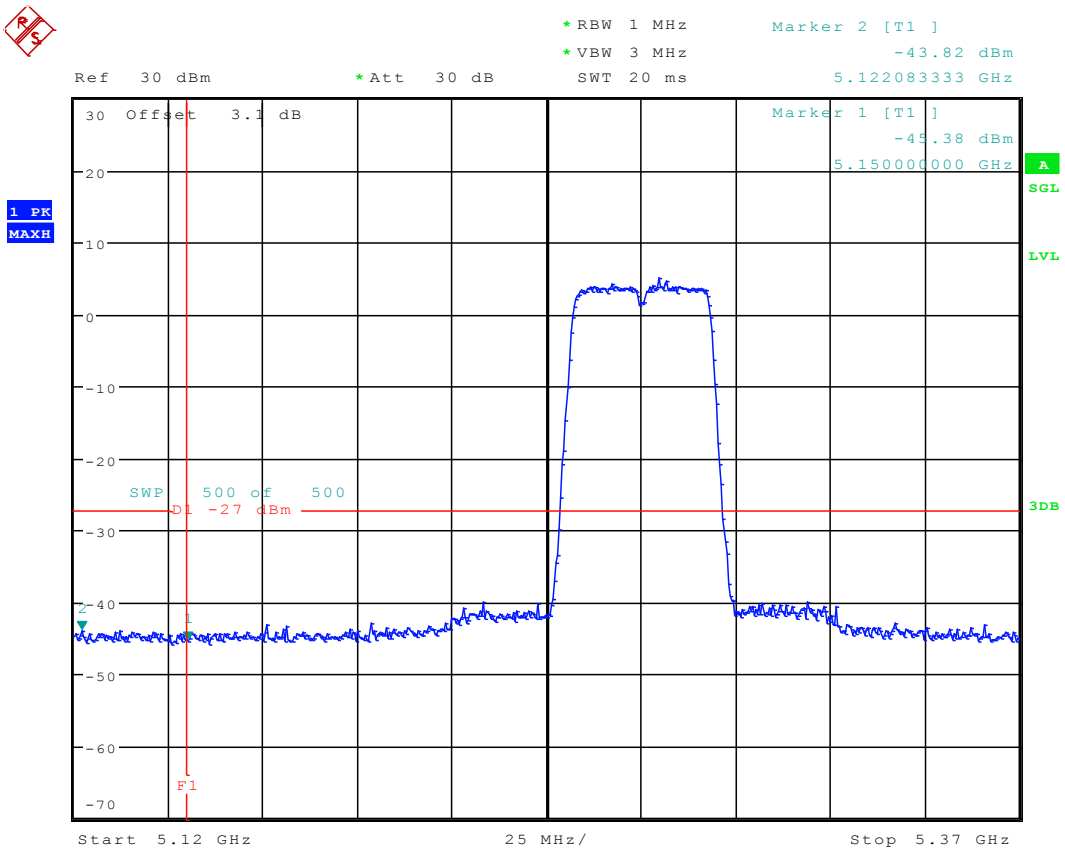
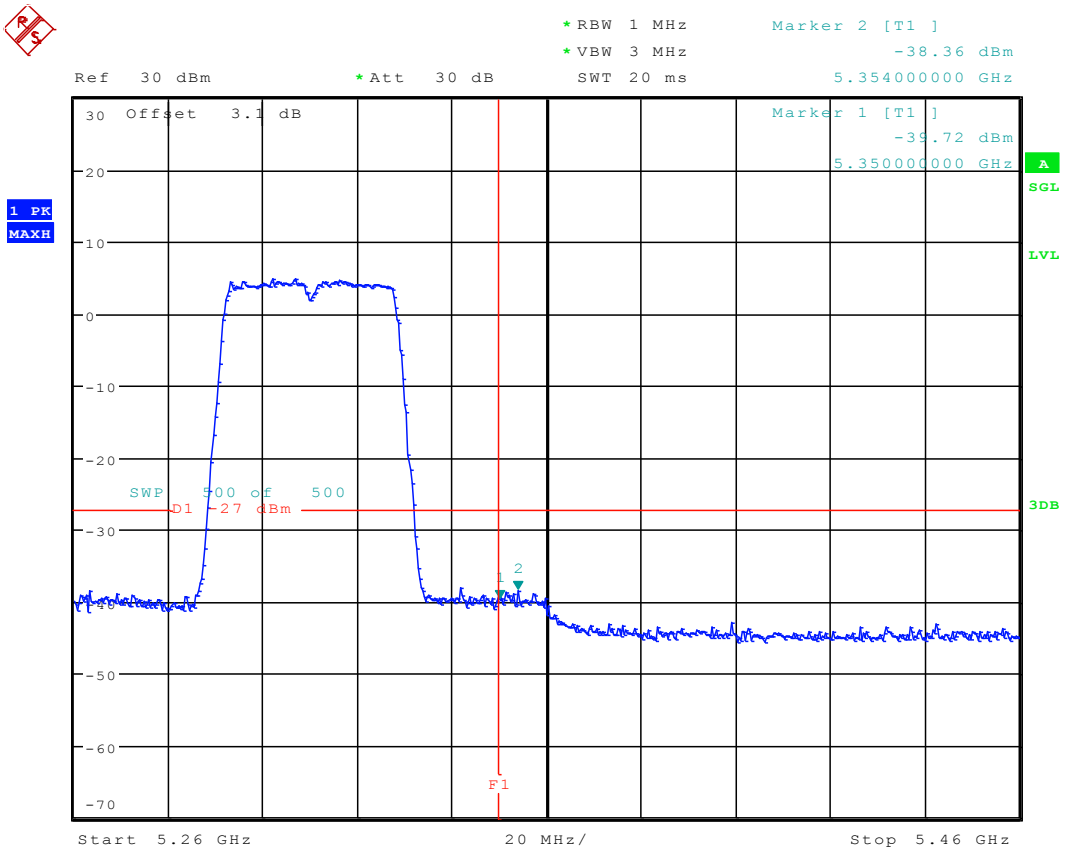
13.70 11N40M_54 Ant 2



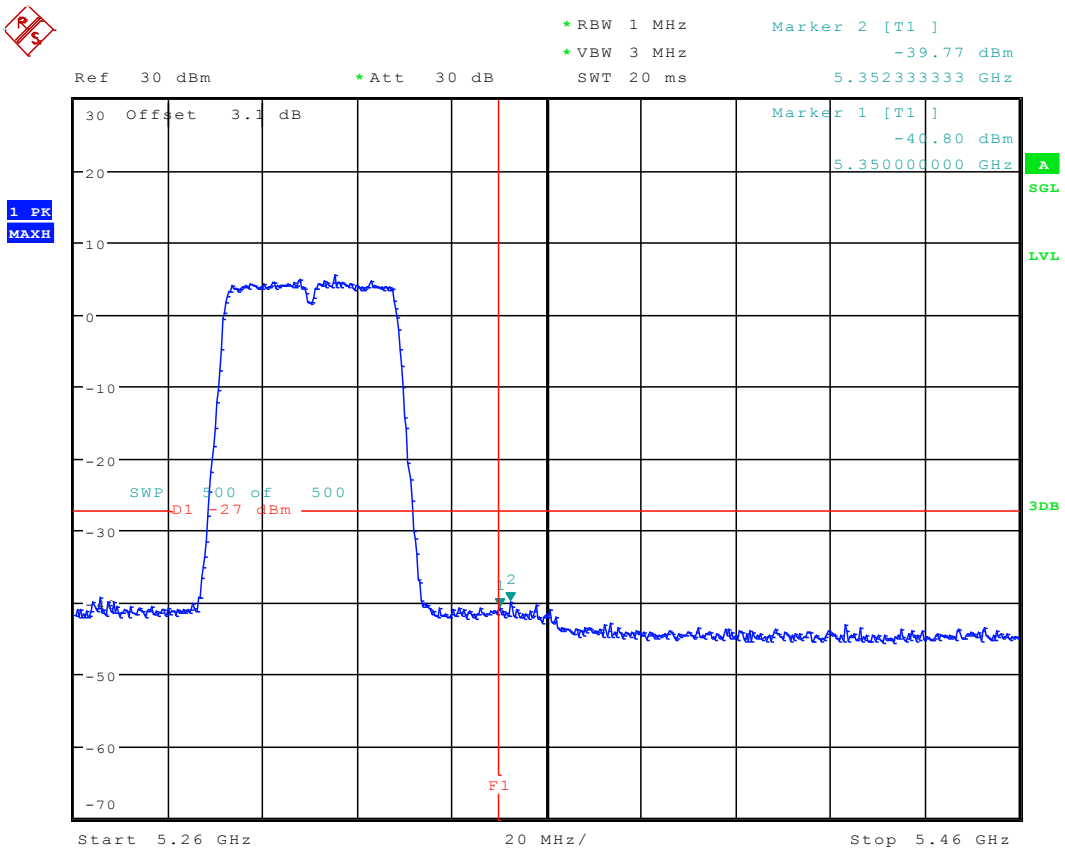
Date: 16.MAR.2016 12:01:59

13.71 11N40M_62 Ant 1



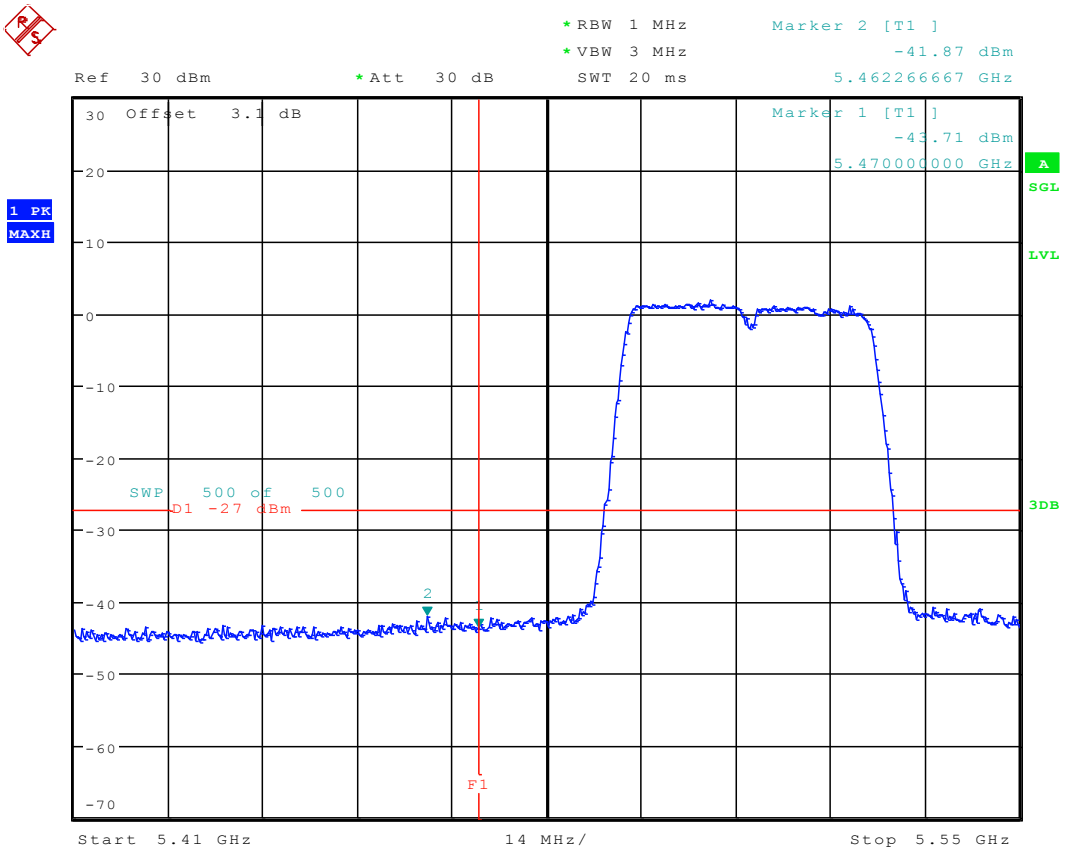
Date: 15.MAR.2016 15:05:25

13.72 11N40M_62 Ant 2



Date: 16.MAR.2016 12:06:41

13.73 11N40M_102 Ant 1



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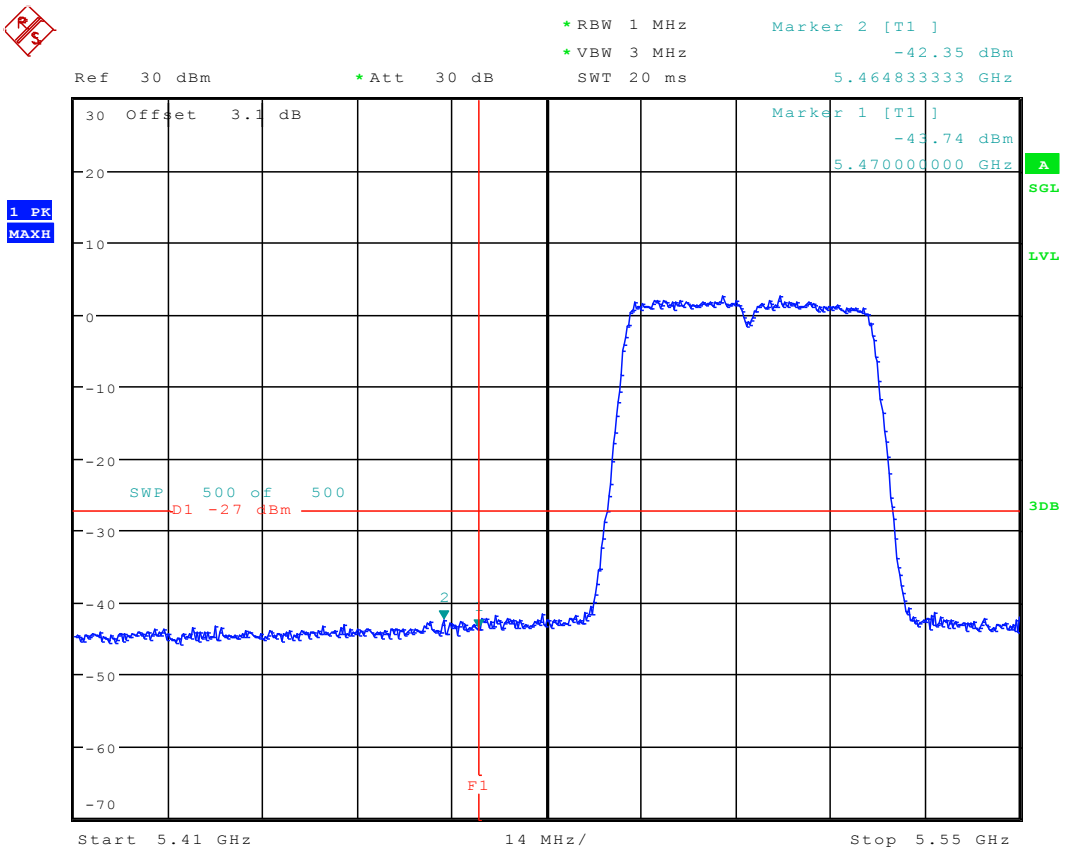
13.74 11N40M_102 Ant 2



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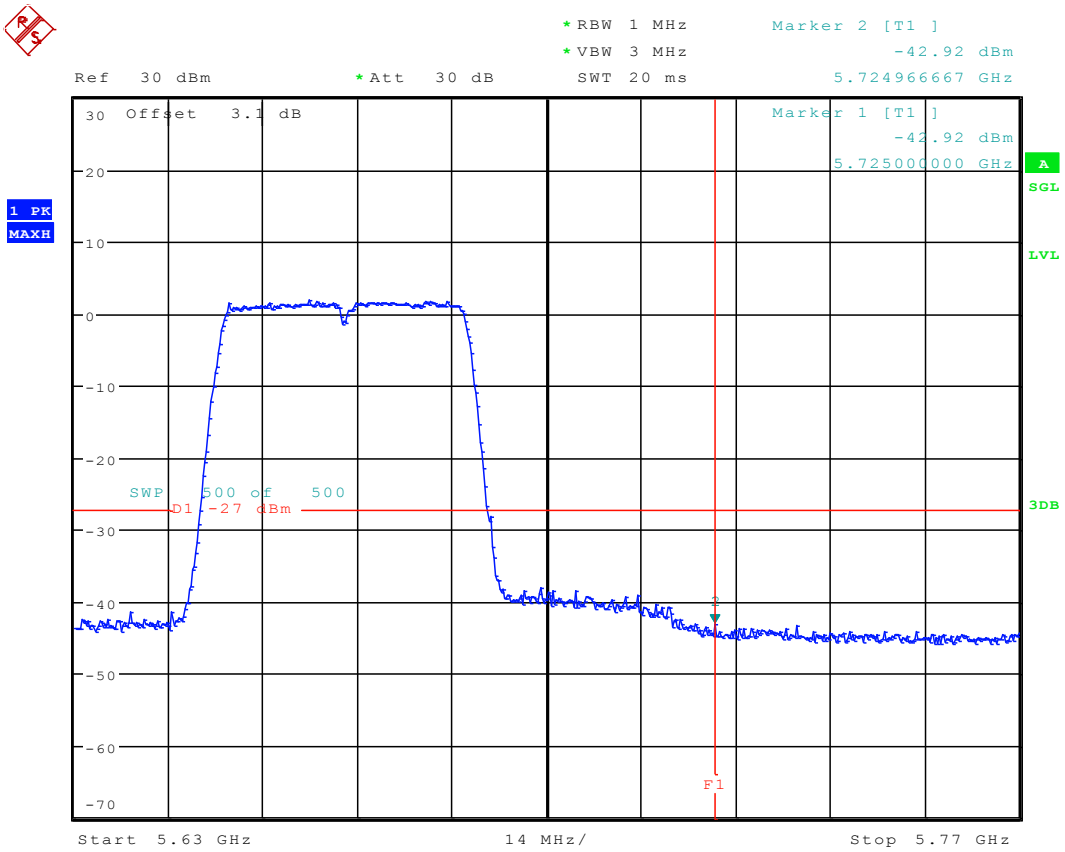
13.75 11N40M_134 Ant 1



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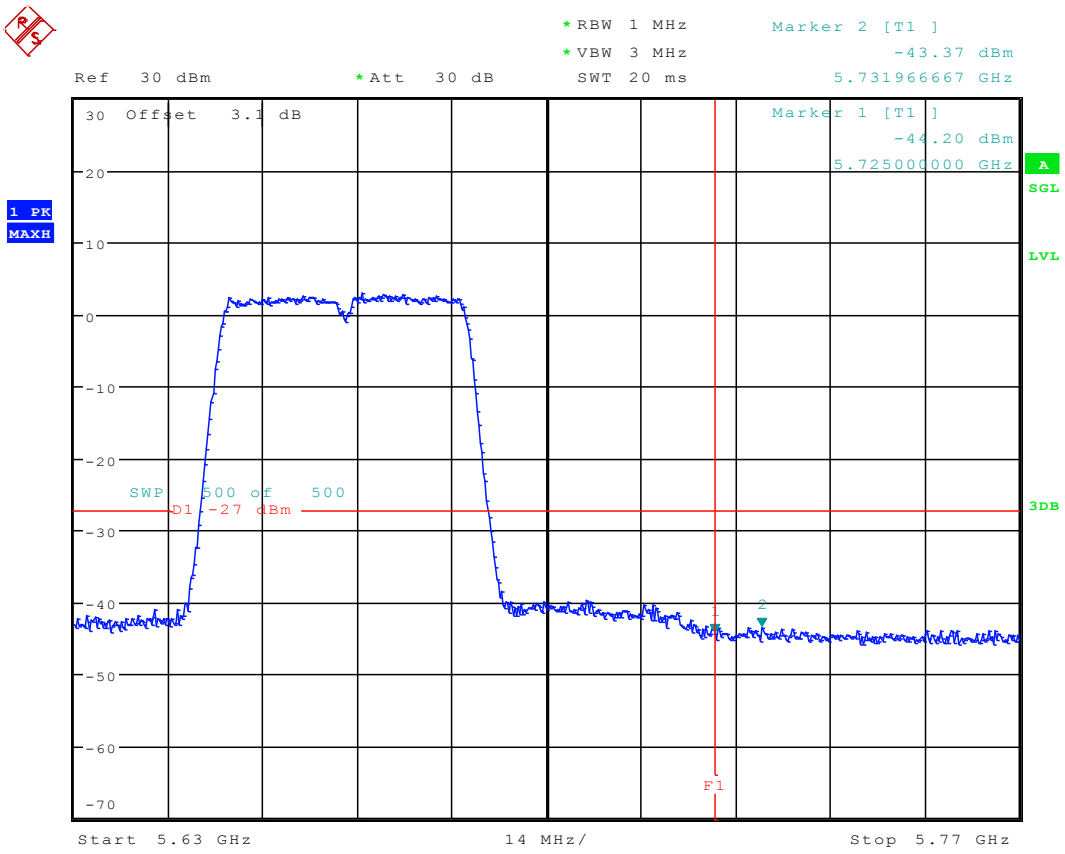
13.76 11N40M_134 Ant 2



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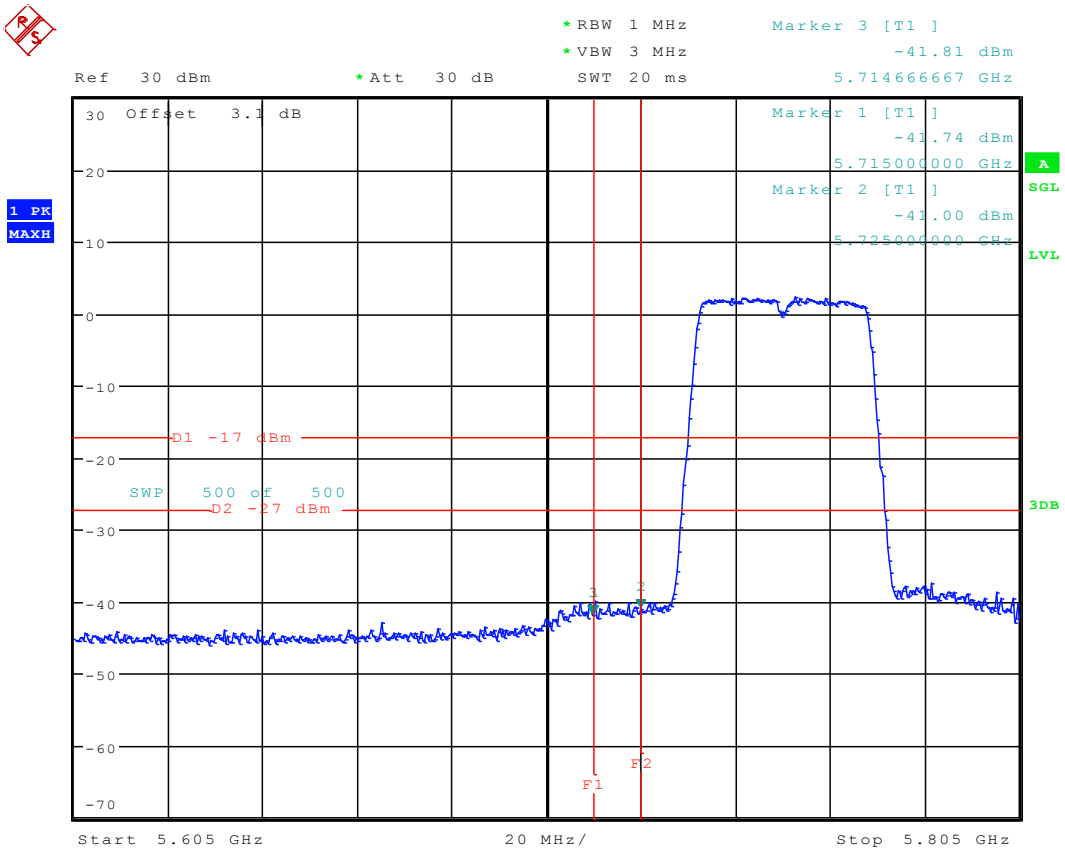
13.77 11N40M_151 Ant 1



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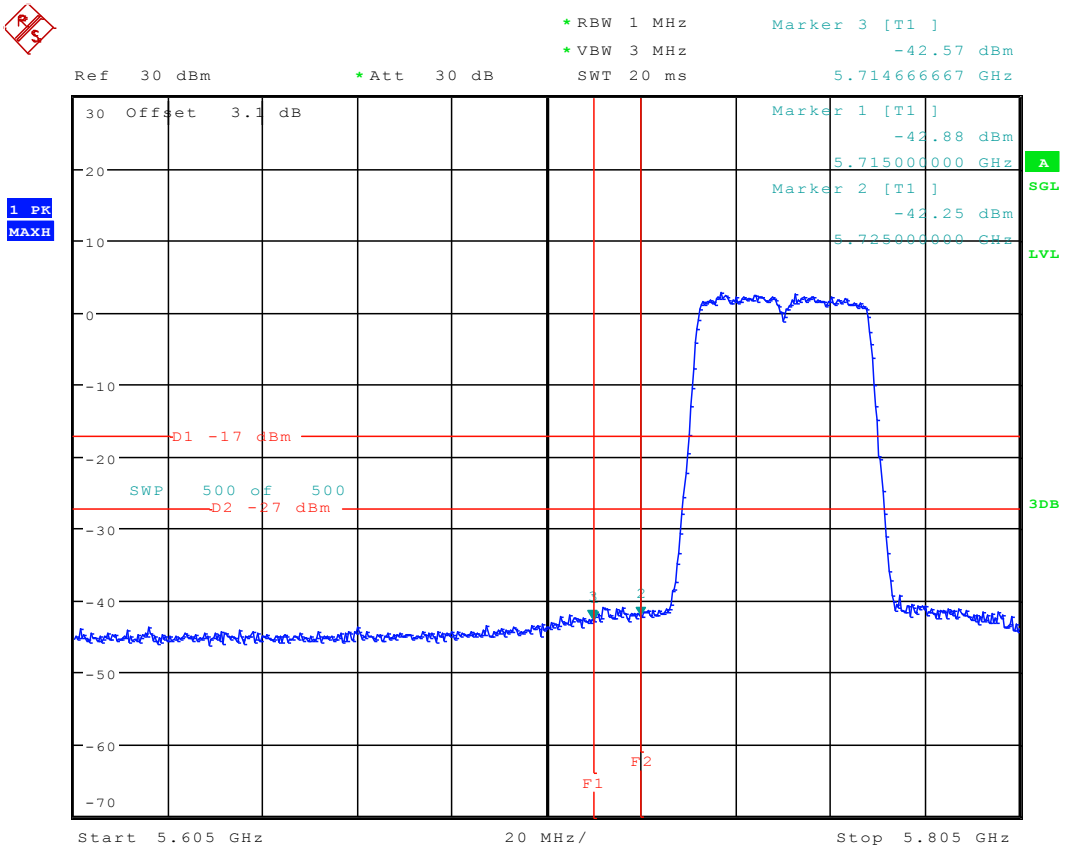
13.78 11N40M_151 Ant 2



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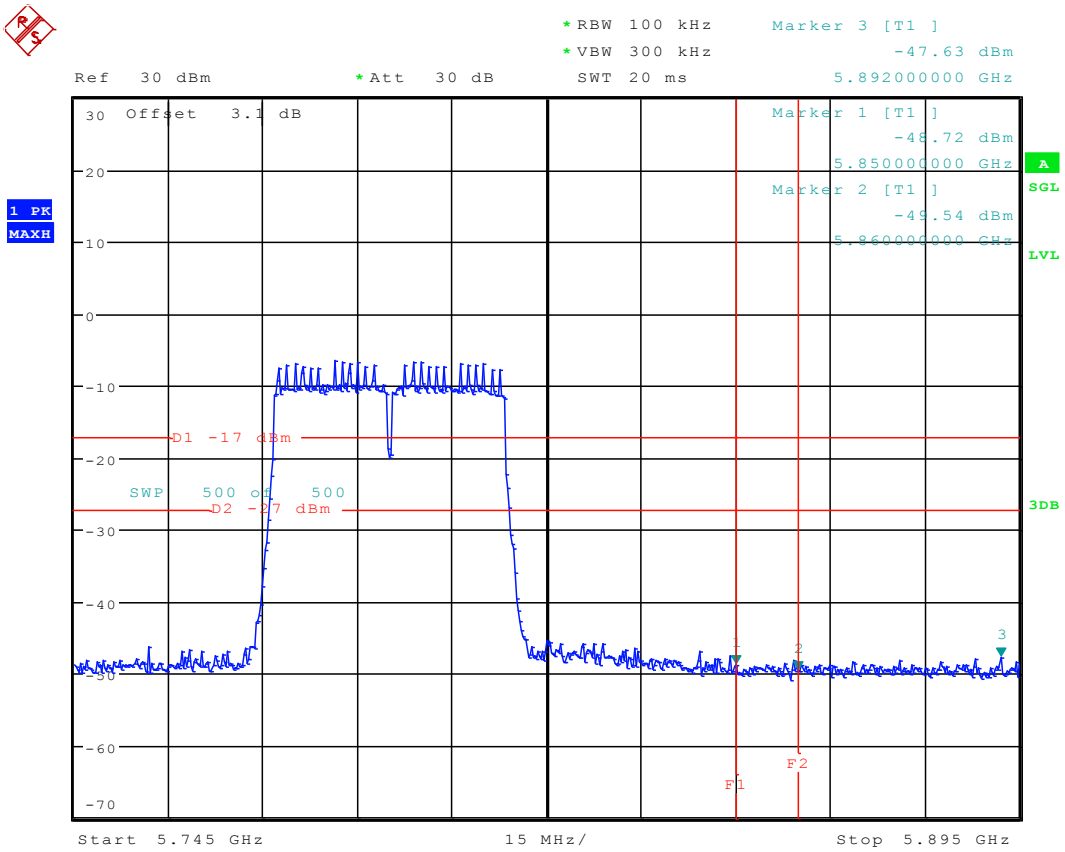
13.79 11N40M_159 Ant 1



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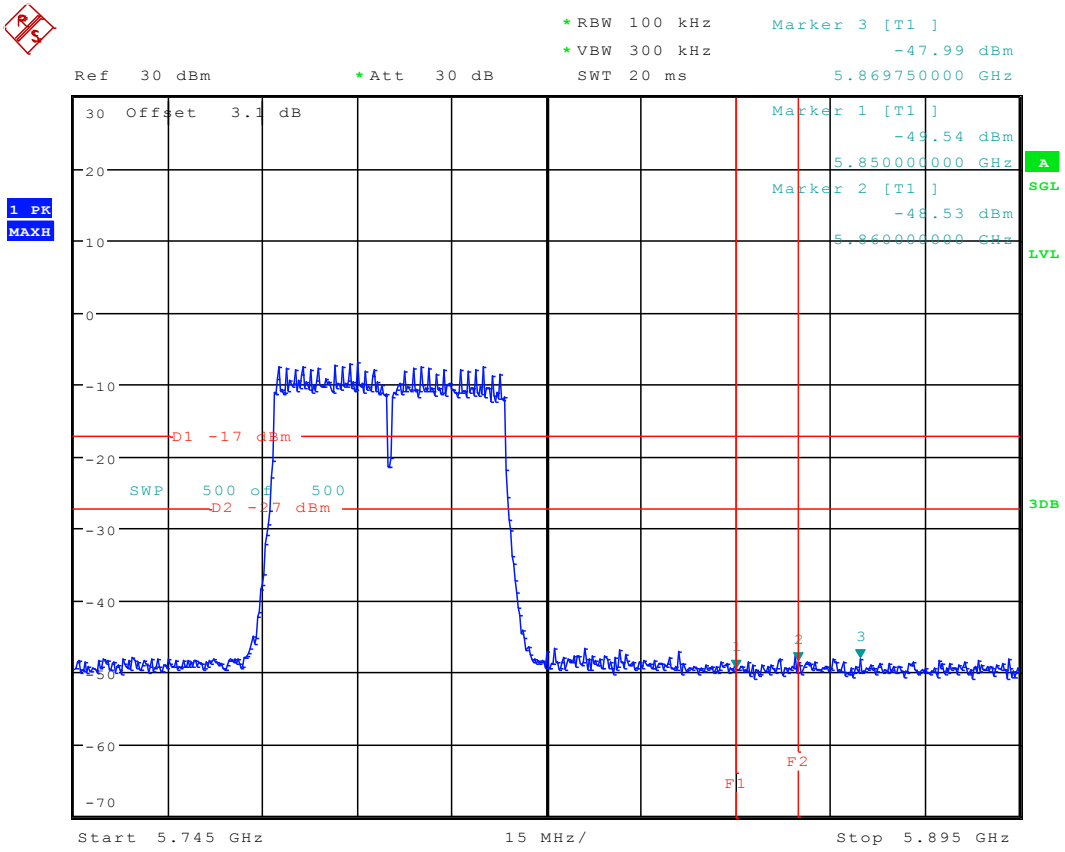
13.80 11N40M_159 Ant 2



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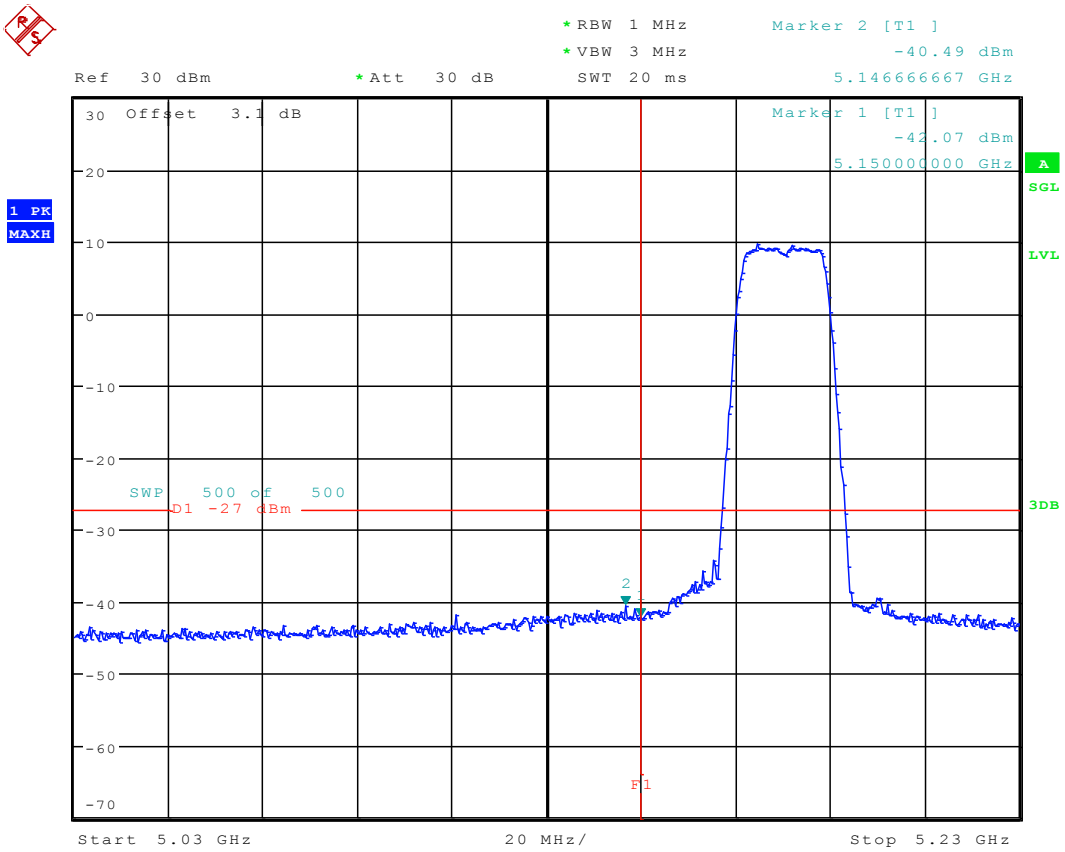
13.81 11AC20_36 Ant 1



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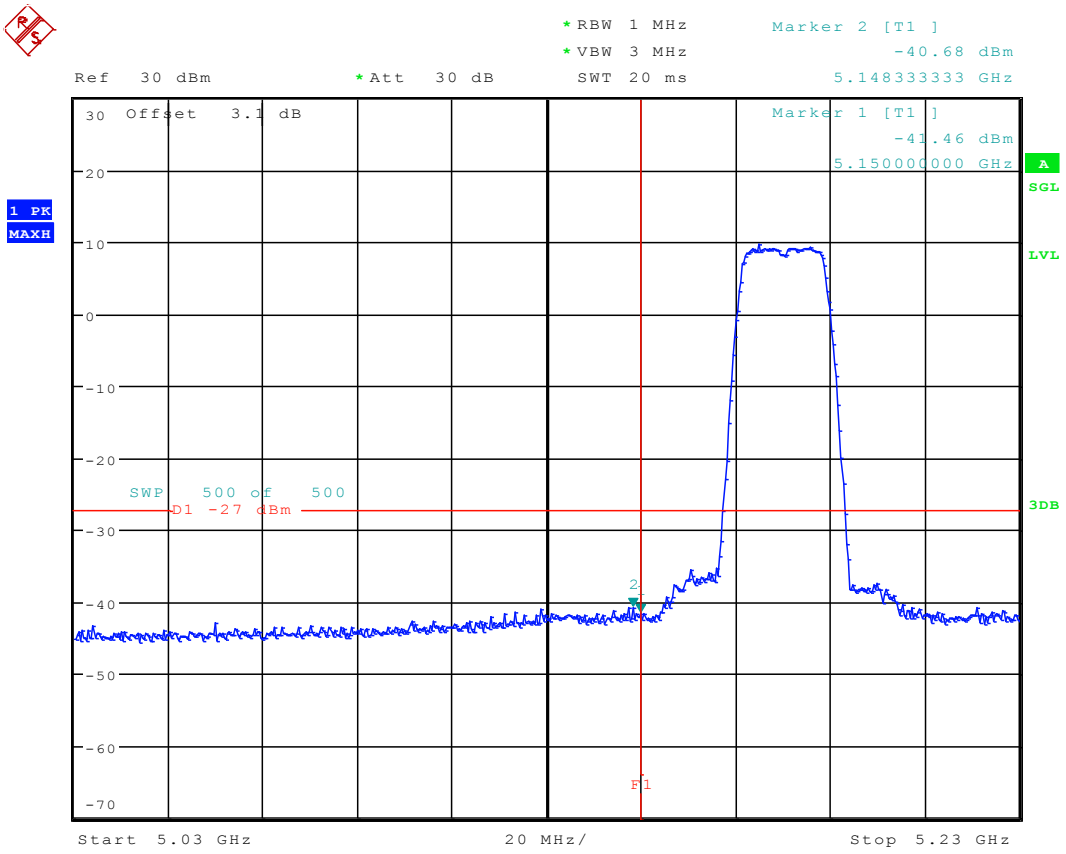
13.82 11AC20_36 Ant 2



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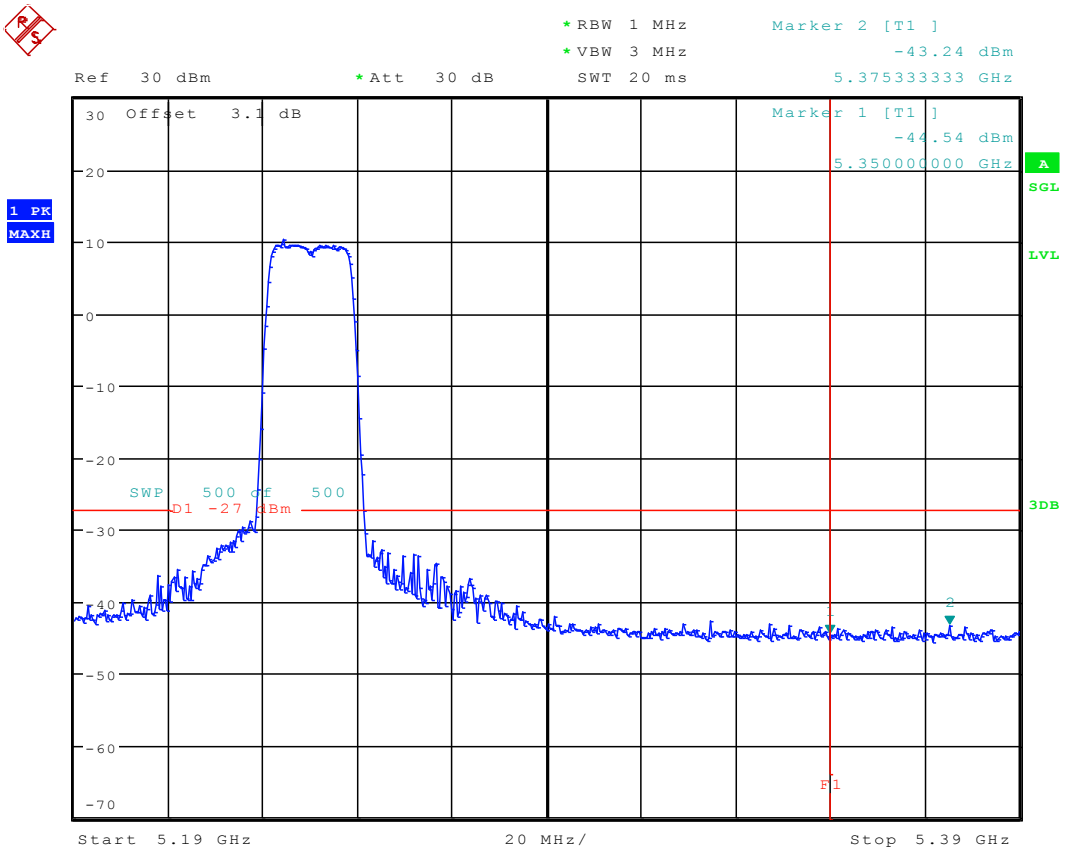
13.83 11AC20_48 Ant 1



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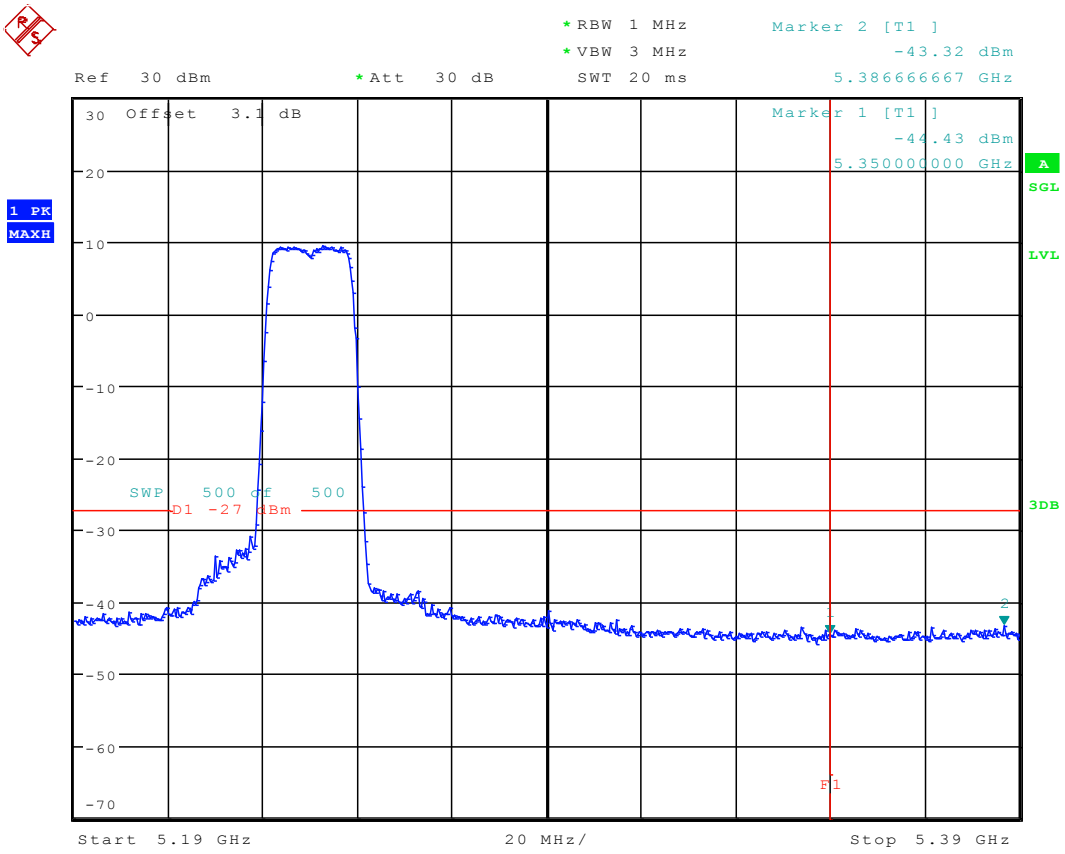
13.84 11AC20_48 Ant 2



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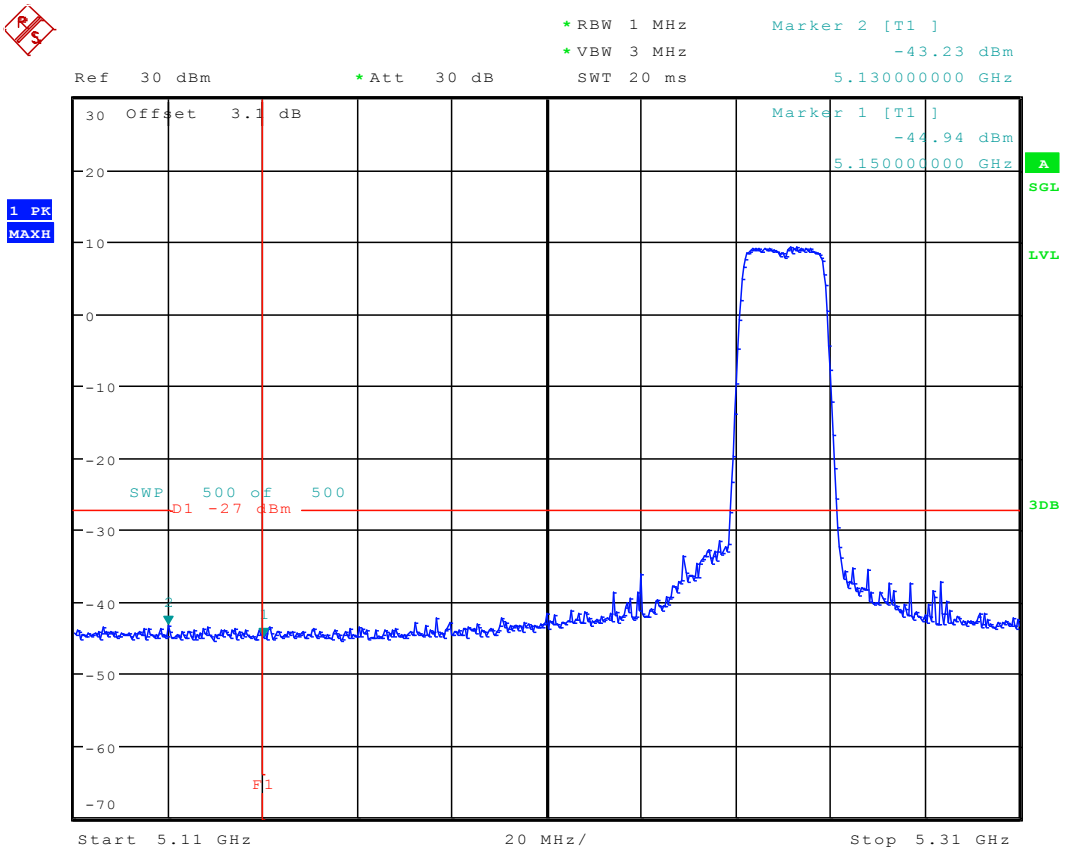
13.85 11AC20_52 Ant 1



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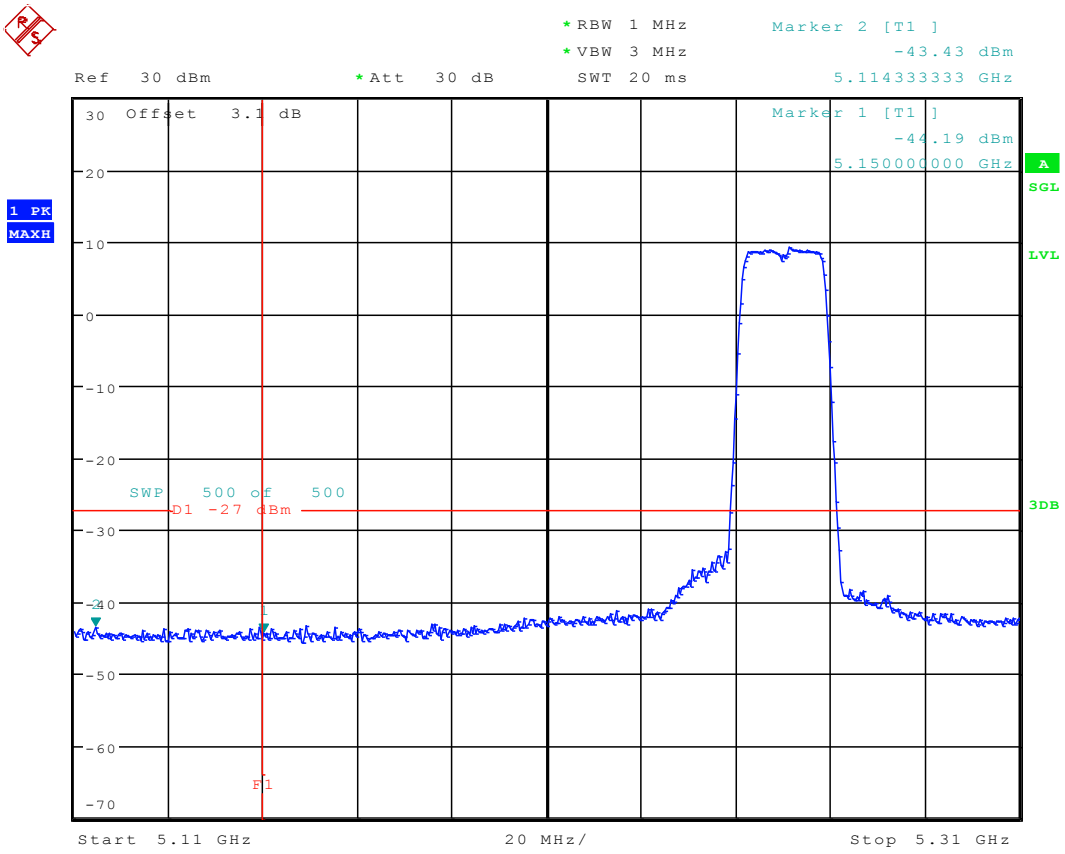
13.86 11AC20_52 Ant 2



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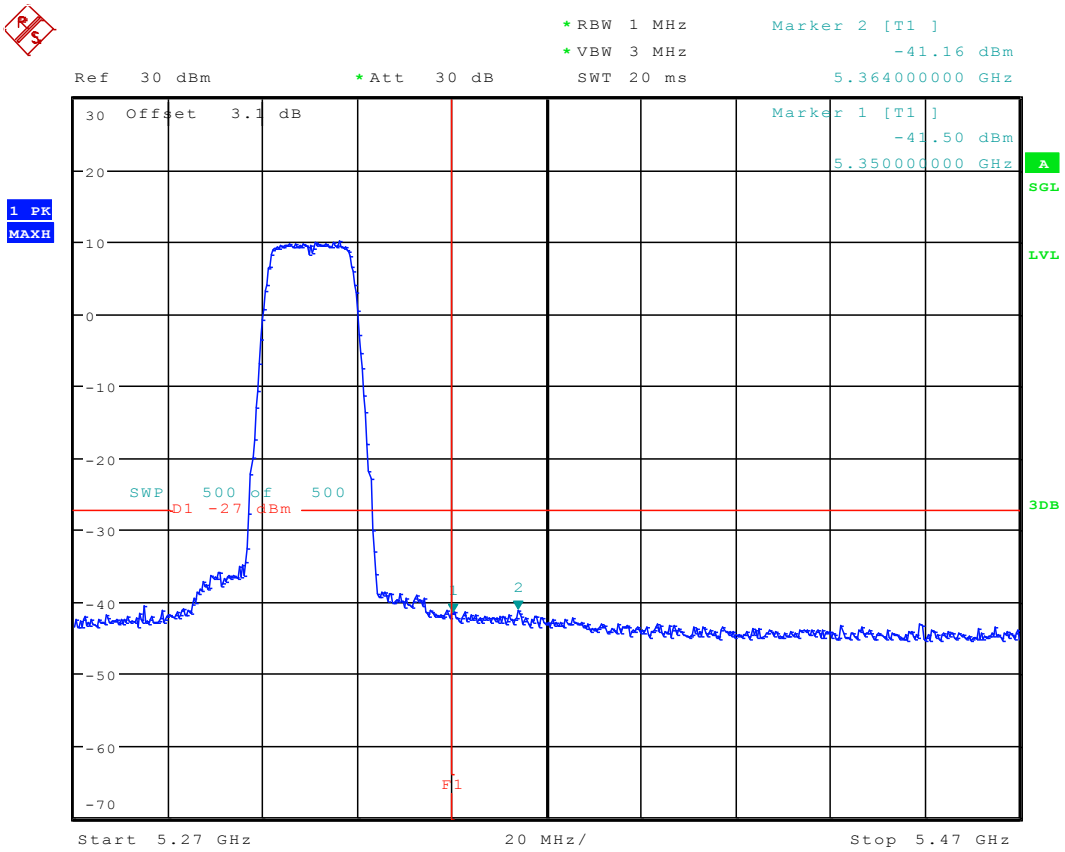
13.87 11AC20_64 Ant 1



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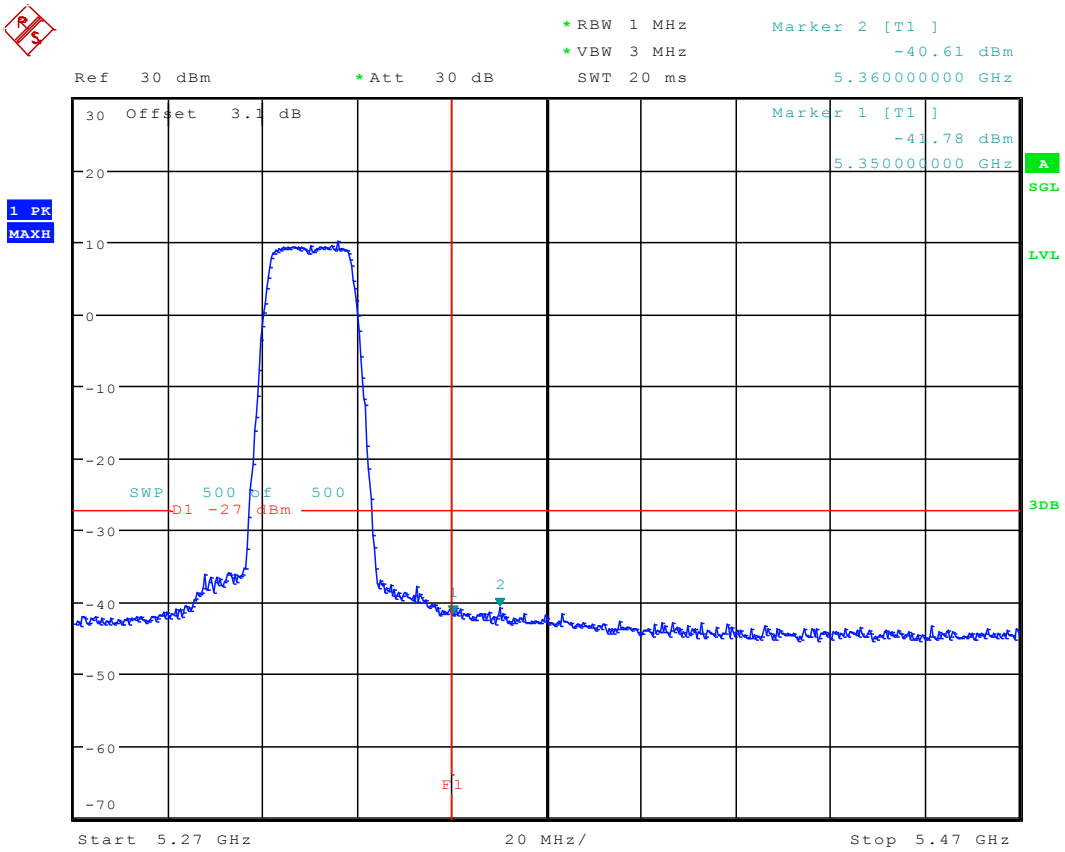
13.88 11AC20_64 Ant 2



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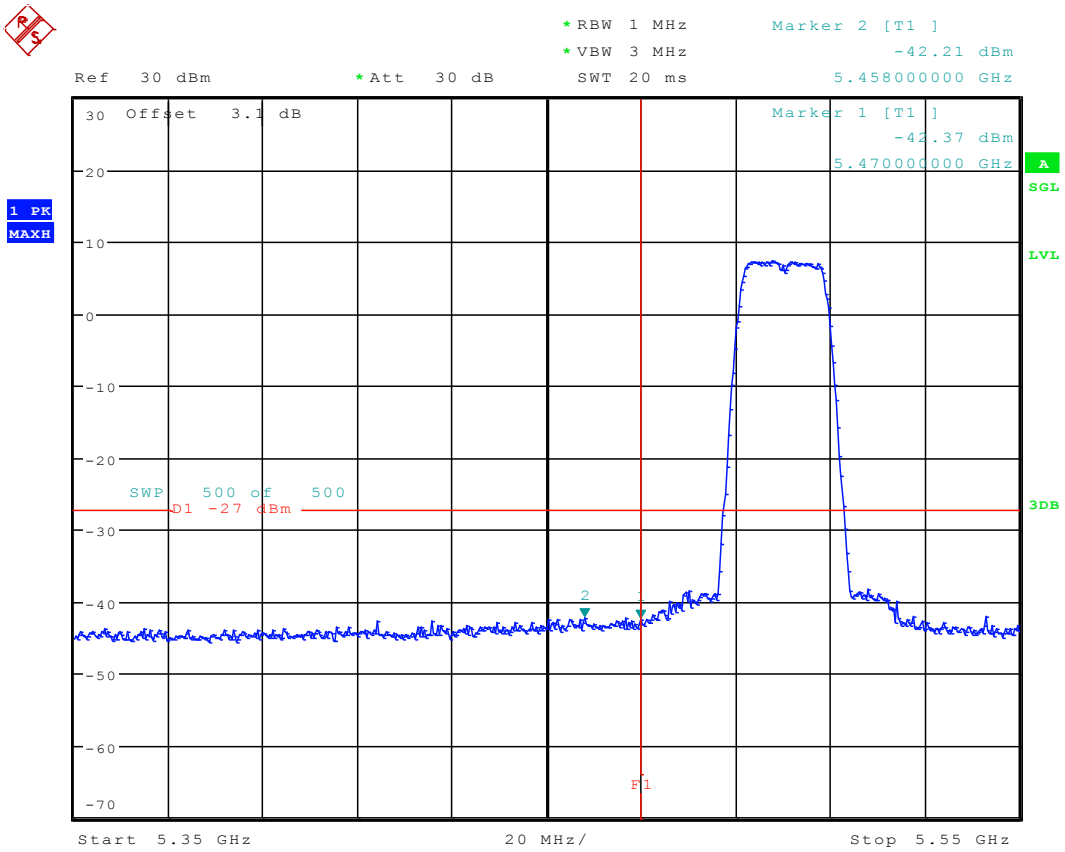
13.89 11AC20_100 Ant 1



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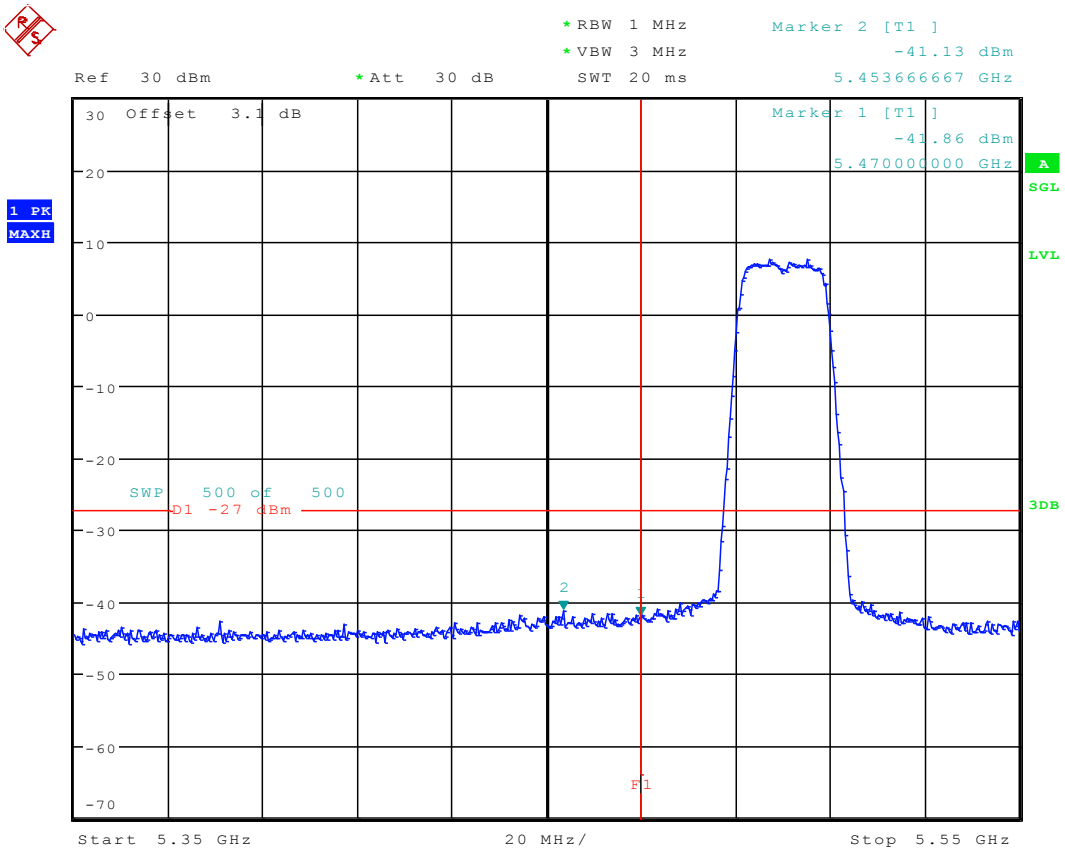
13.90 11AC20_100 Ant 2



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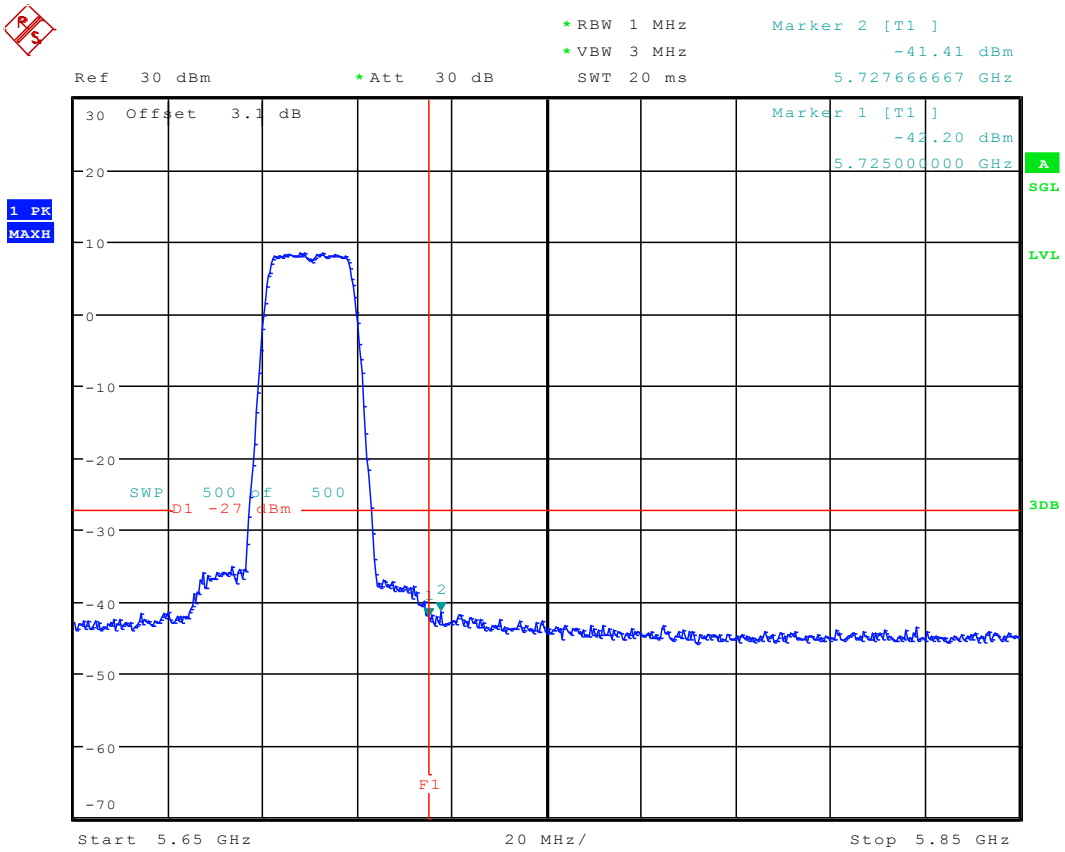
13.91 11AC20_140 Ant 1



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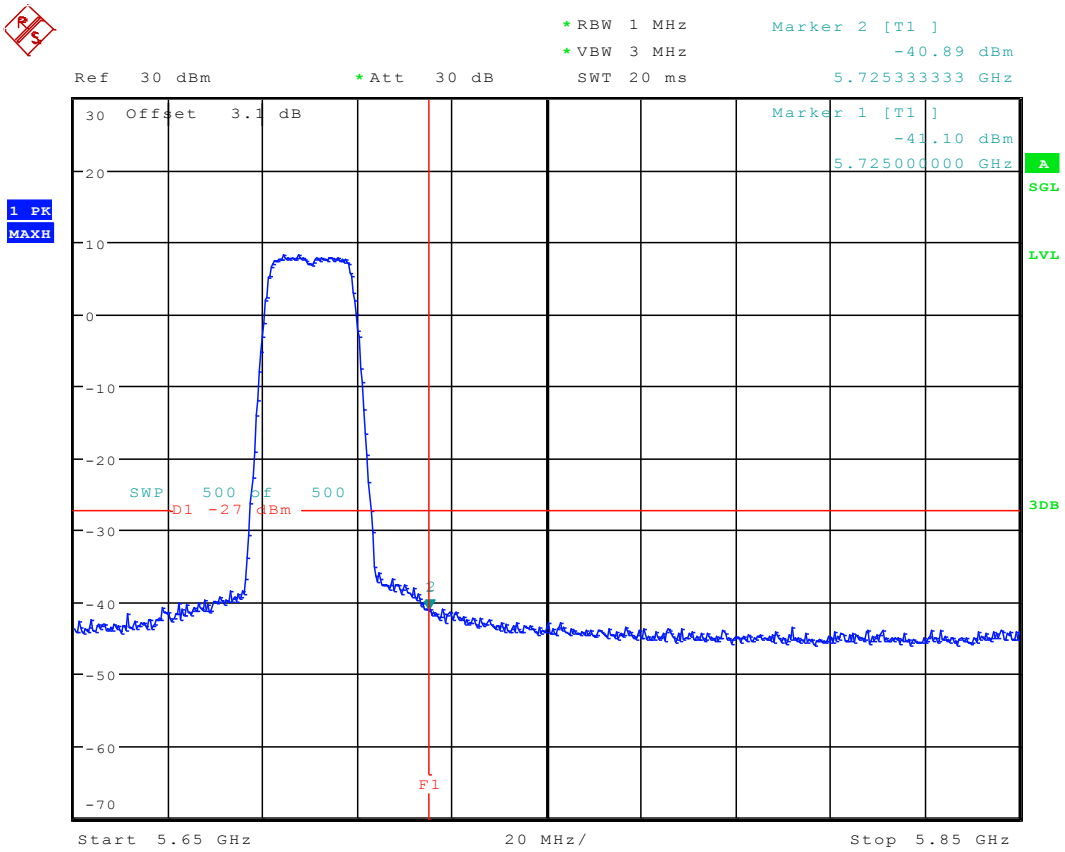
13.92 11AC20_140 Ant 2



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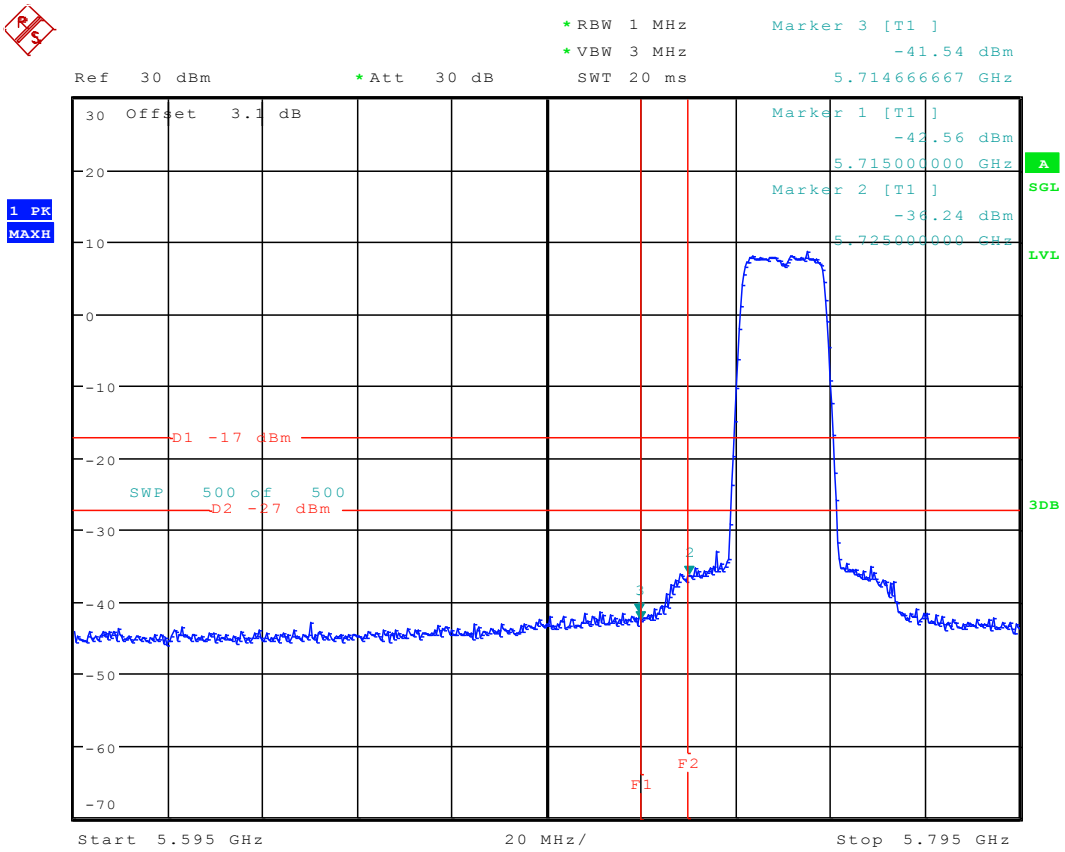
13.93 11AC20_149 Ant 1



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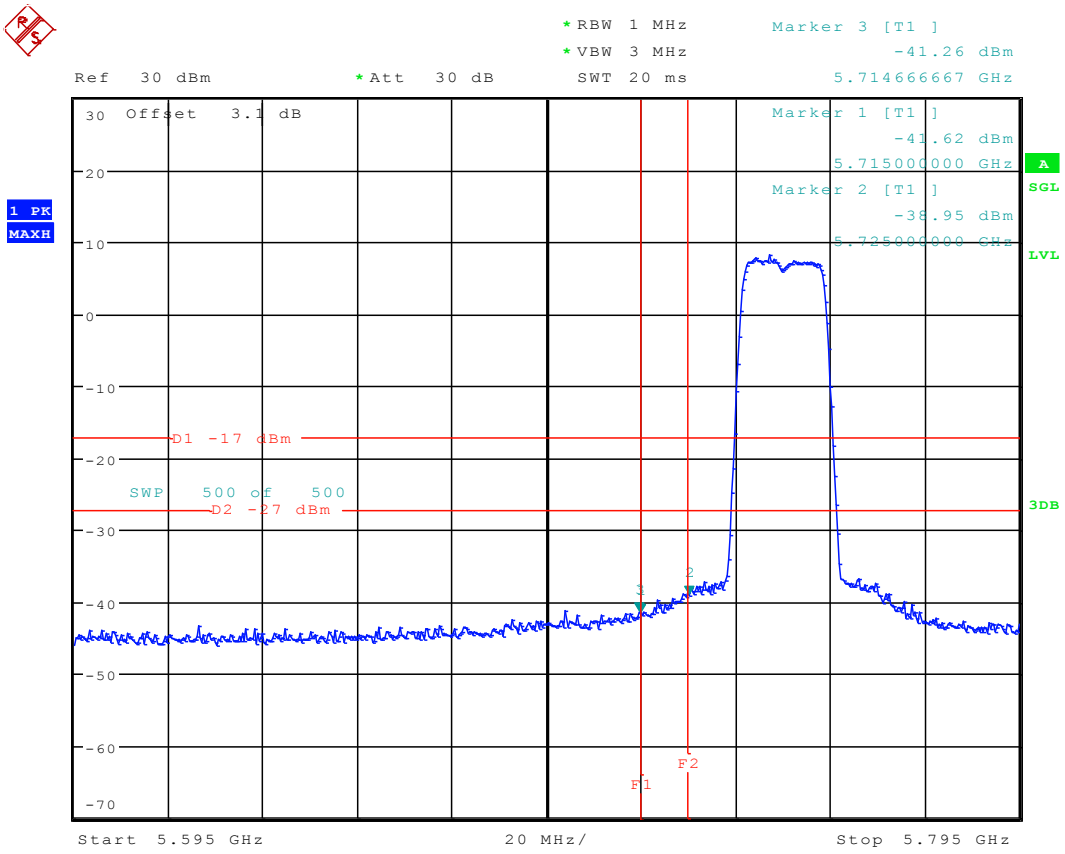
13.94 11AC20_149 Ant 2



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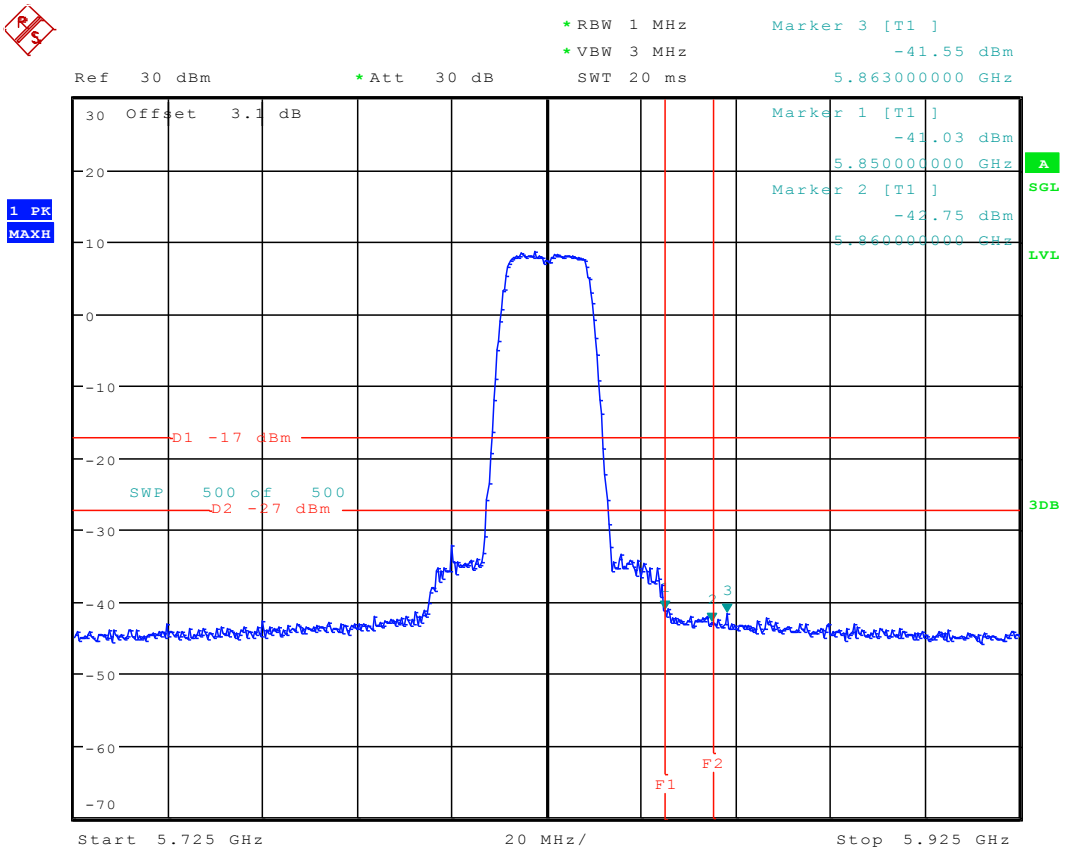
13.95 11AC20_165Ant 1



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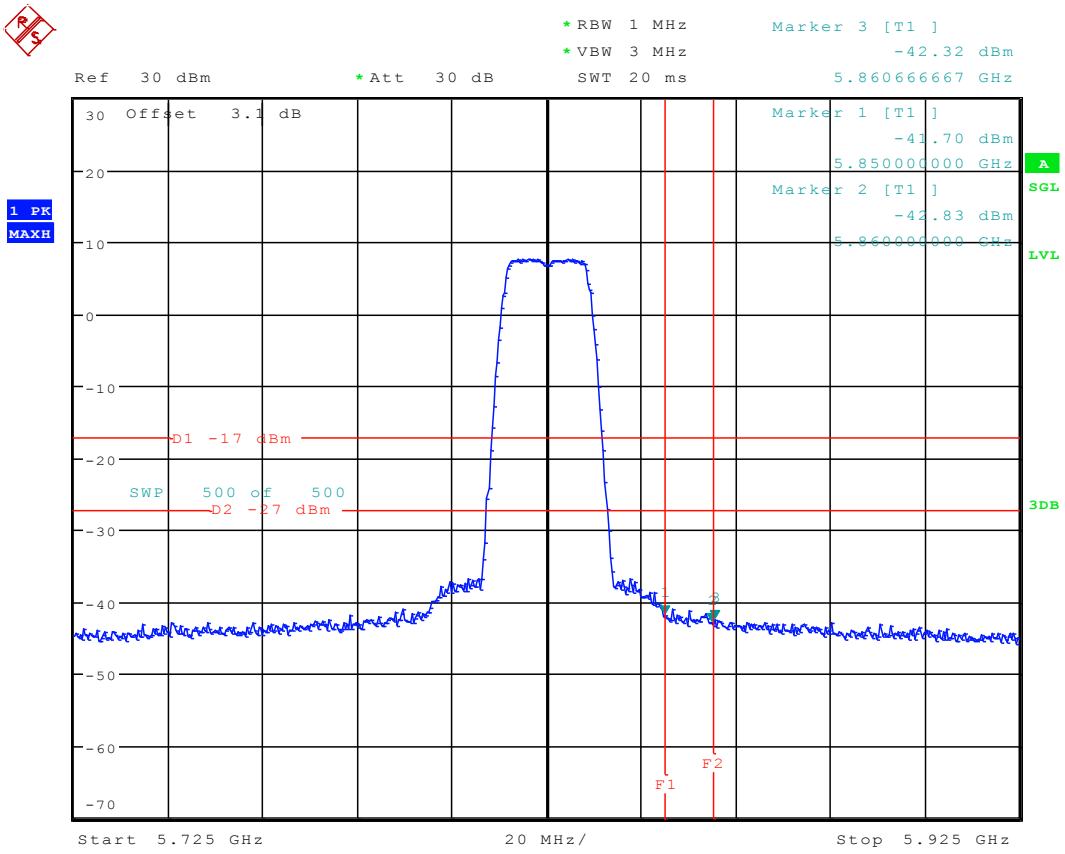
13.96 11AC20_165 Ant 2



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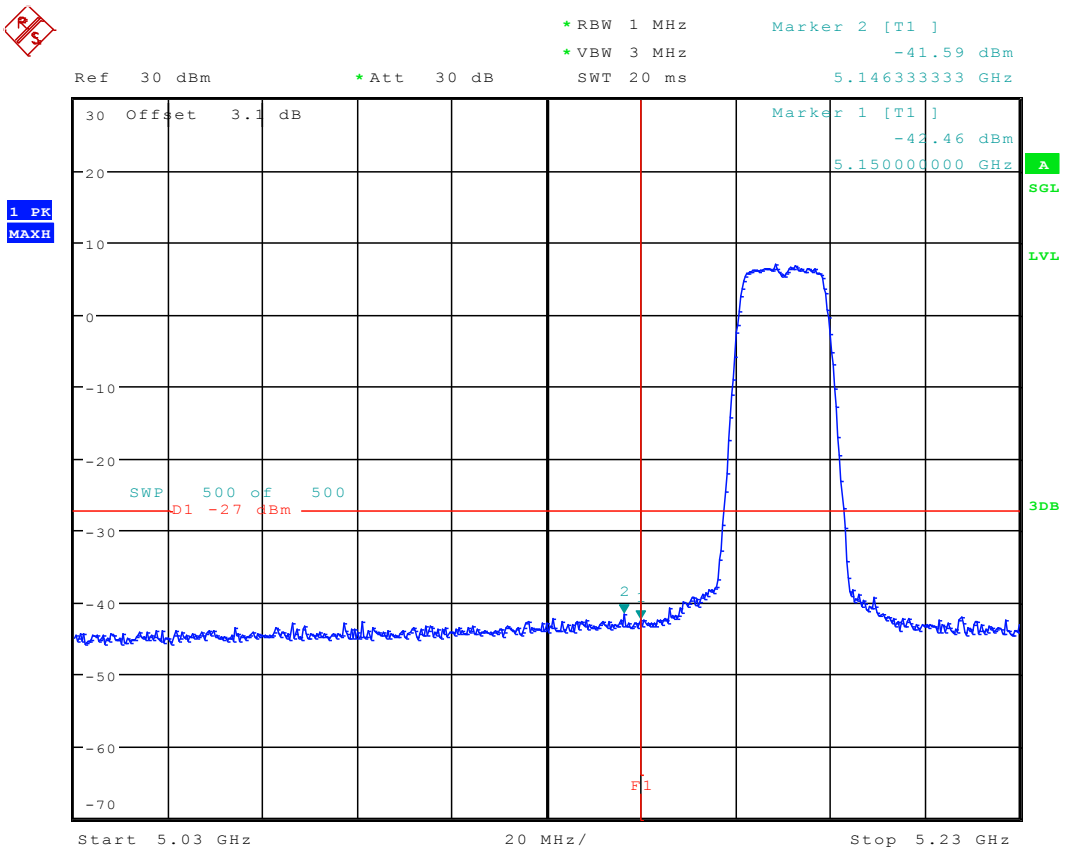
13.97 11AC20M_36 Ant 1



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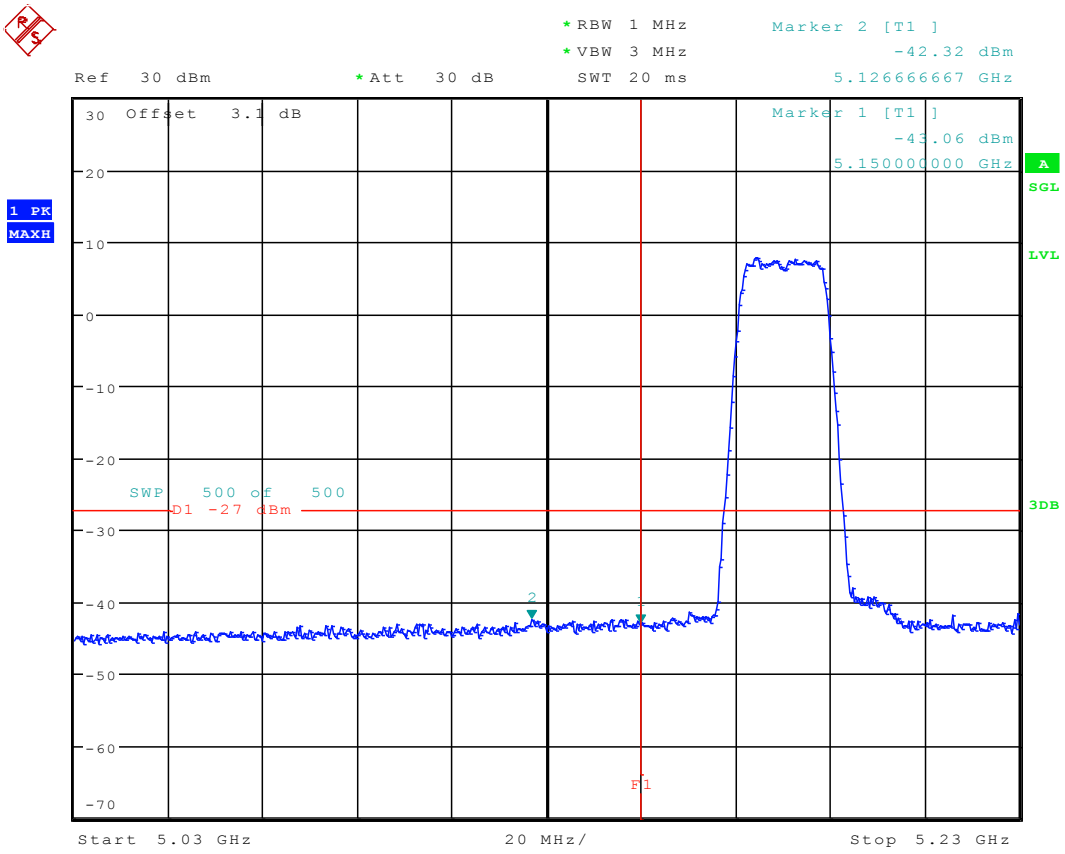
13.98 11AC20M_36 Ant 2



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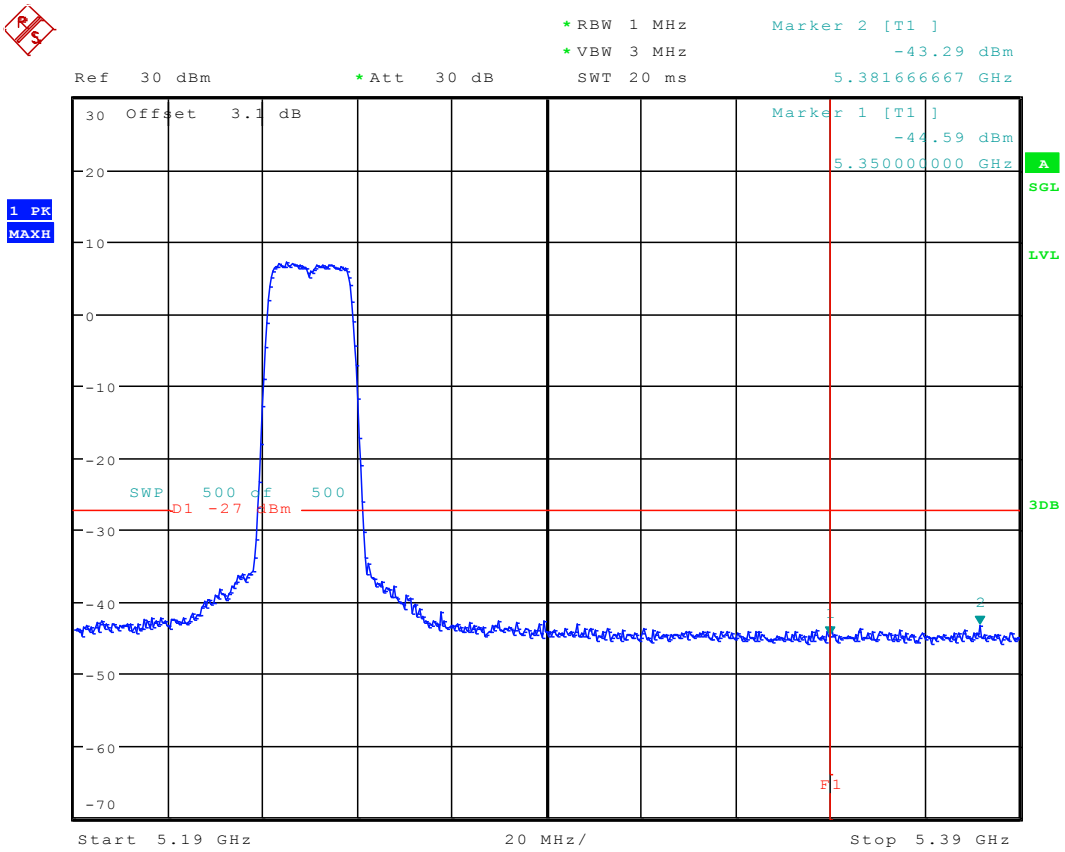
13.99 11AC20M_48 Ant 1



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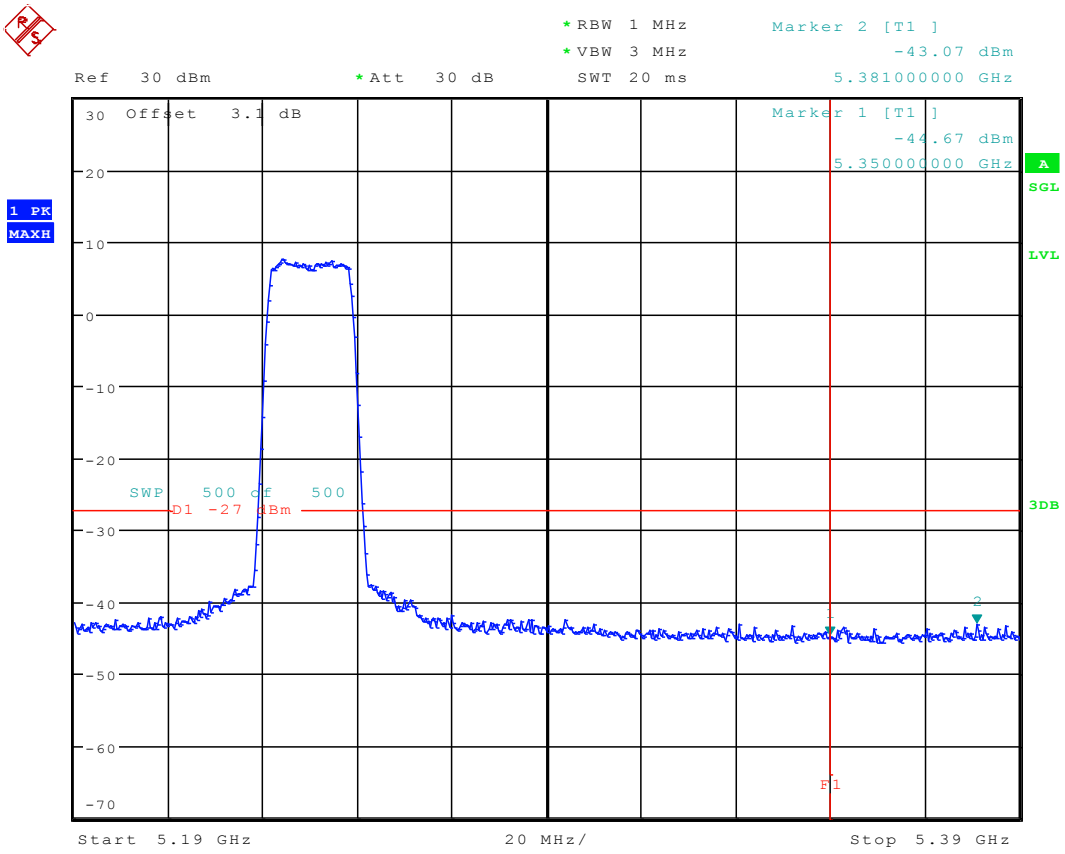
13.100 11AC20M_48 Ant 2



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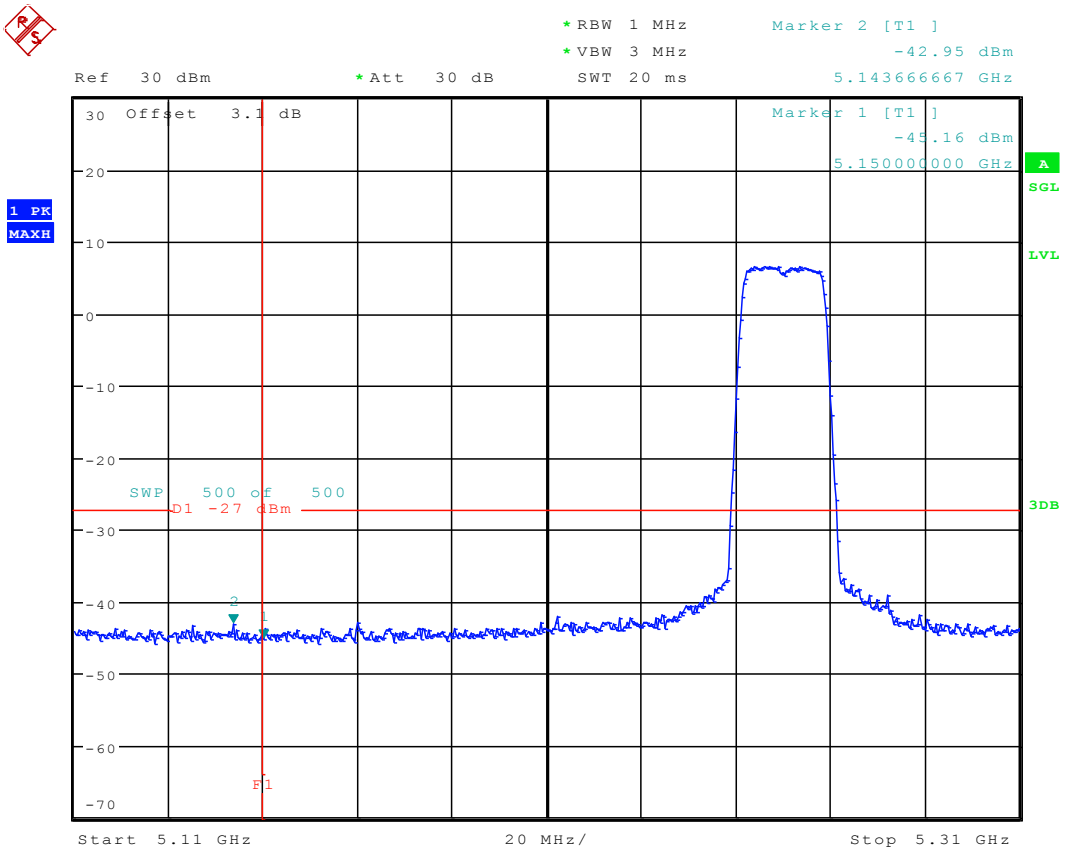
13.101 11AC20M_52 Ant 1



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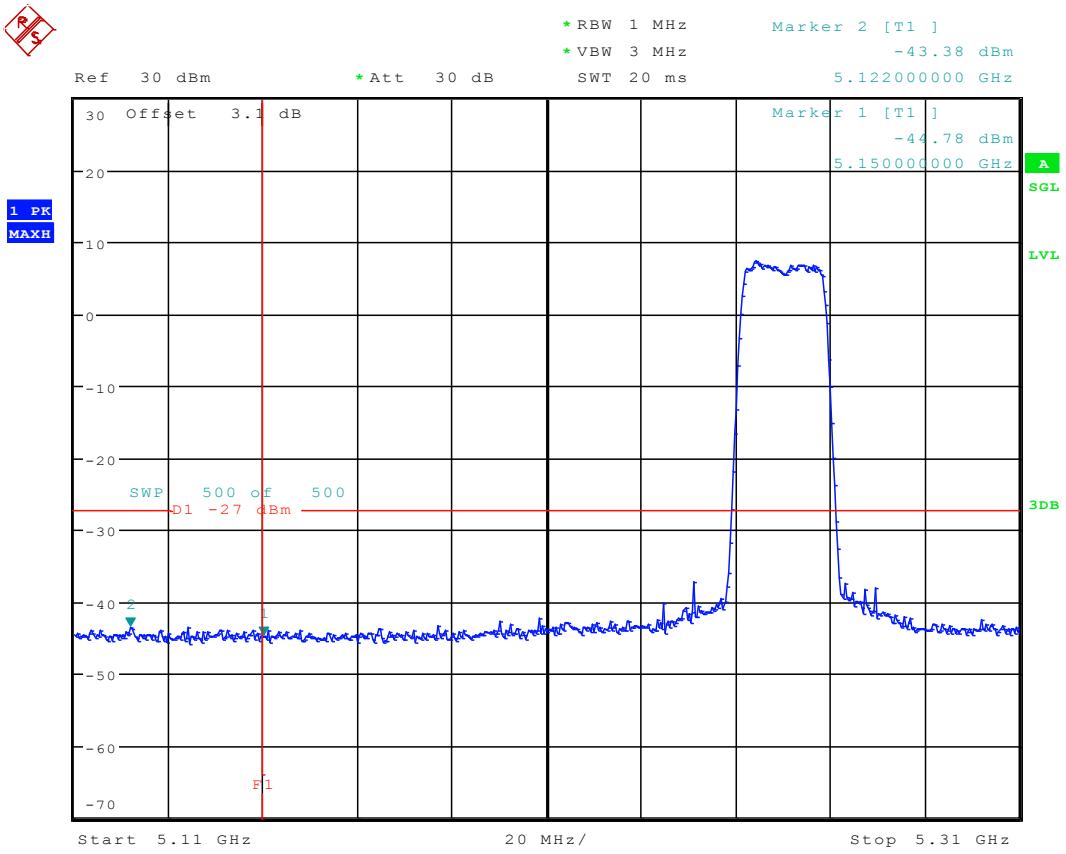
13.102 11AC20M_52 Ant 2



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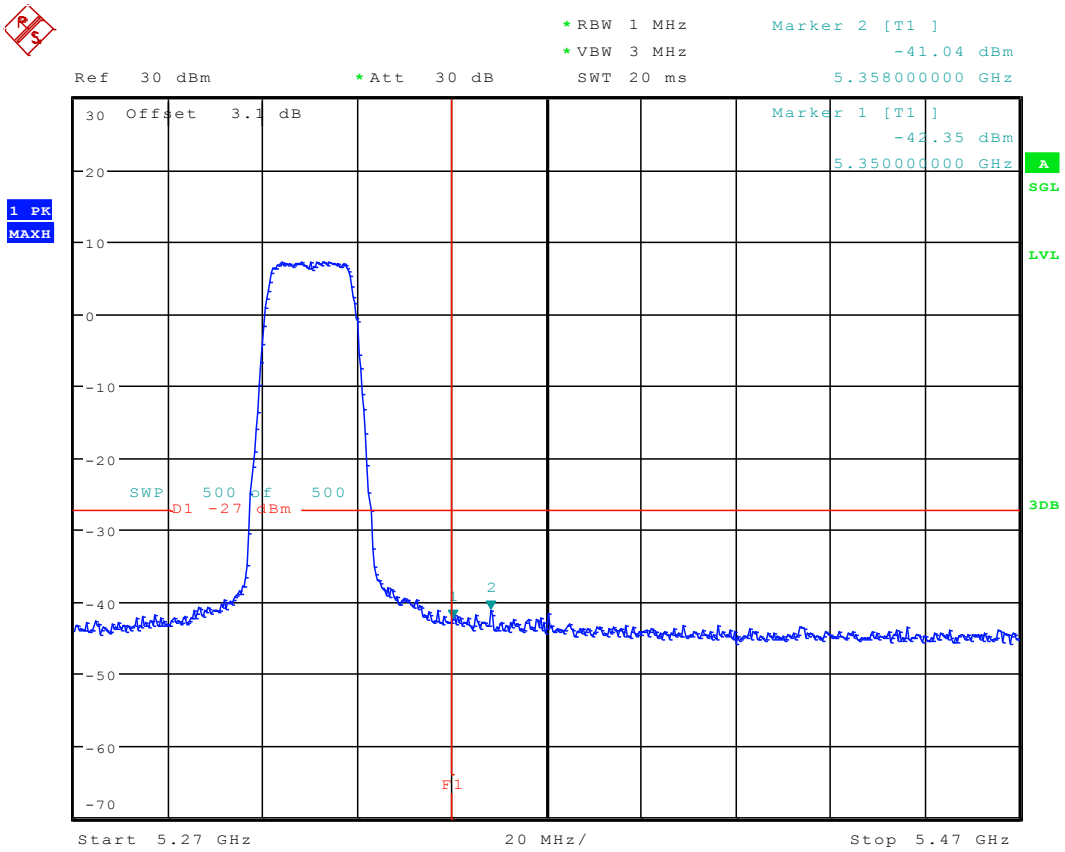
13.103 11AC20M_64 Ant 1



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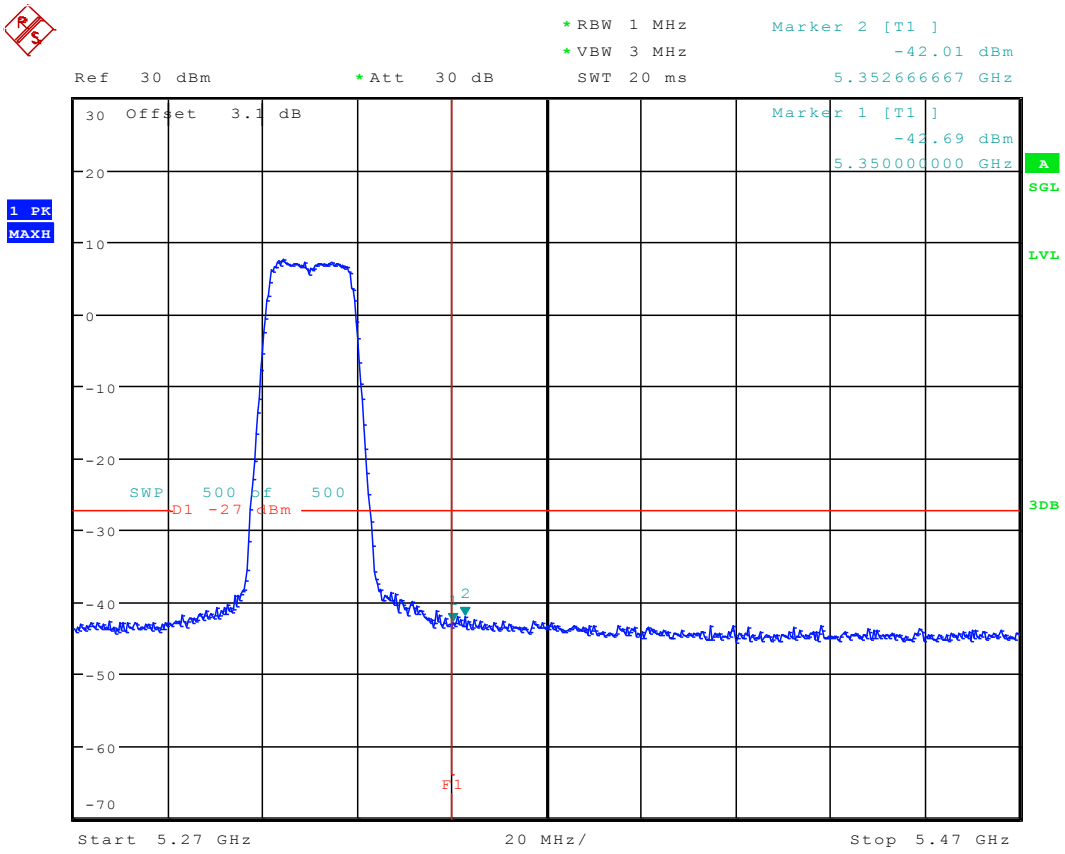
13.104 11AC20M_64 Ant 2



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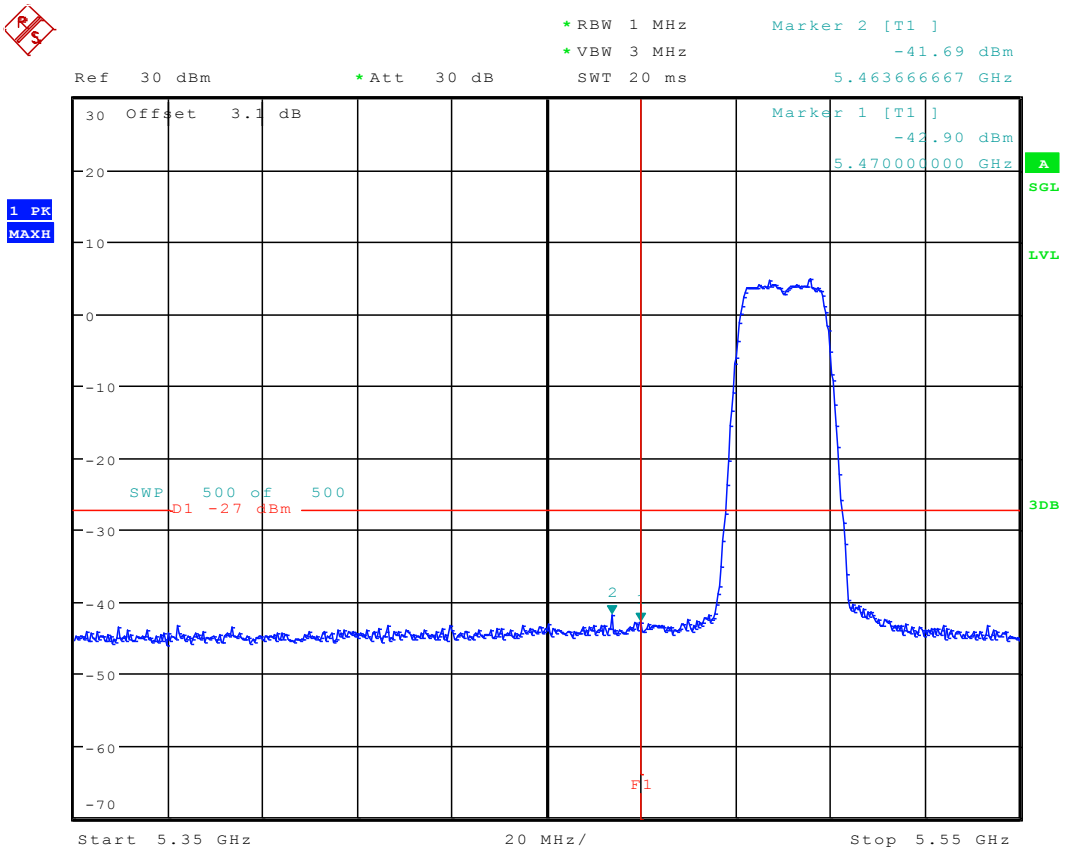
13.105 11AC20M_100 Ant 1



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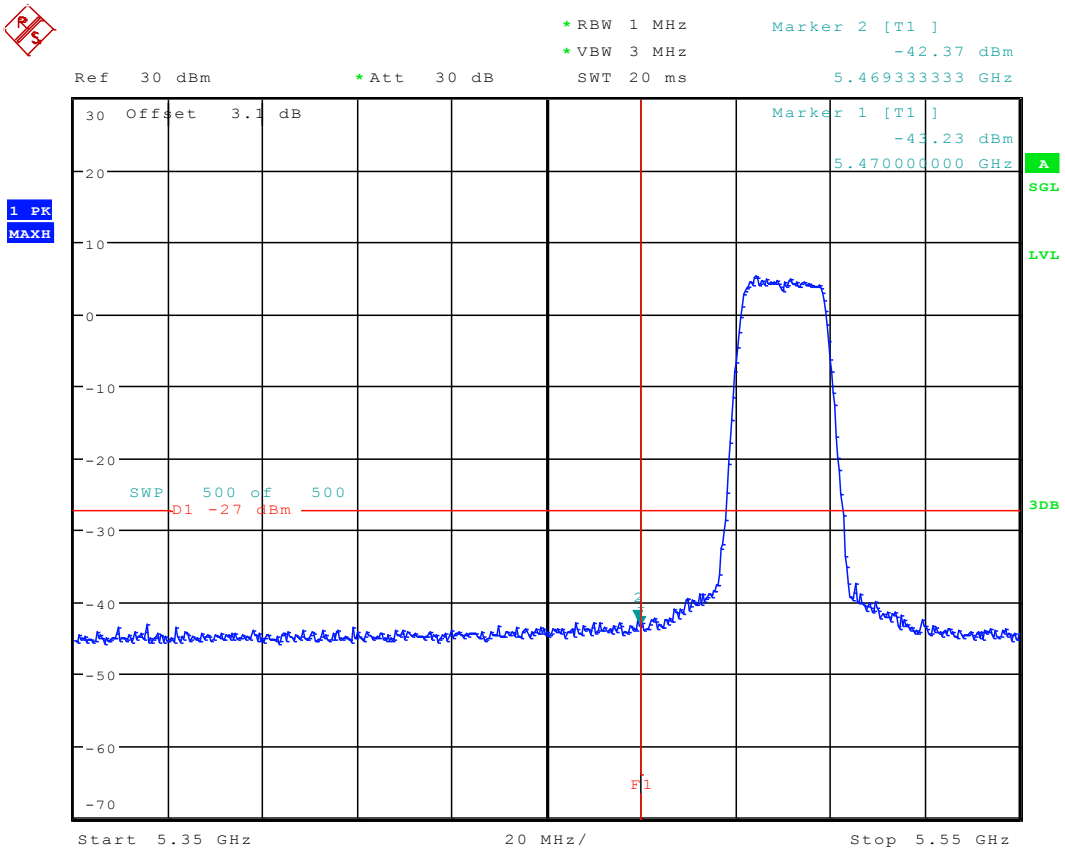
13.106 11AC20M_100 Ant 2



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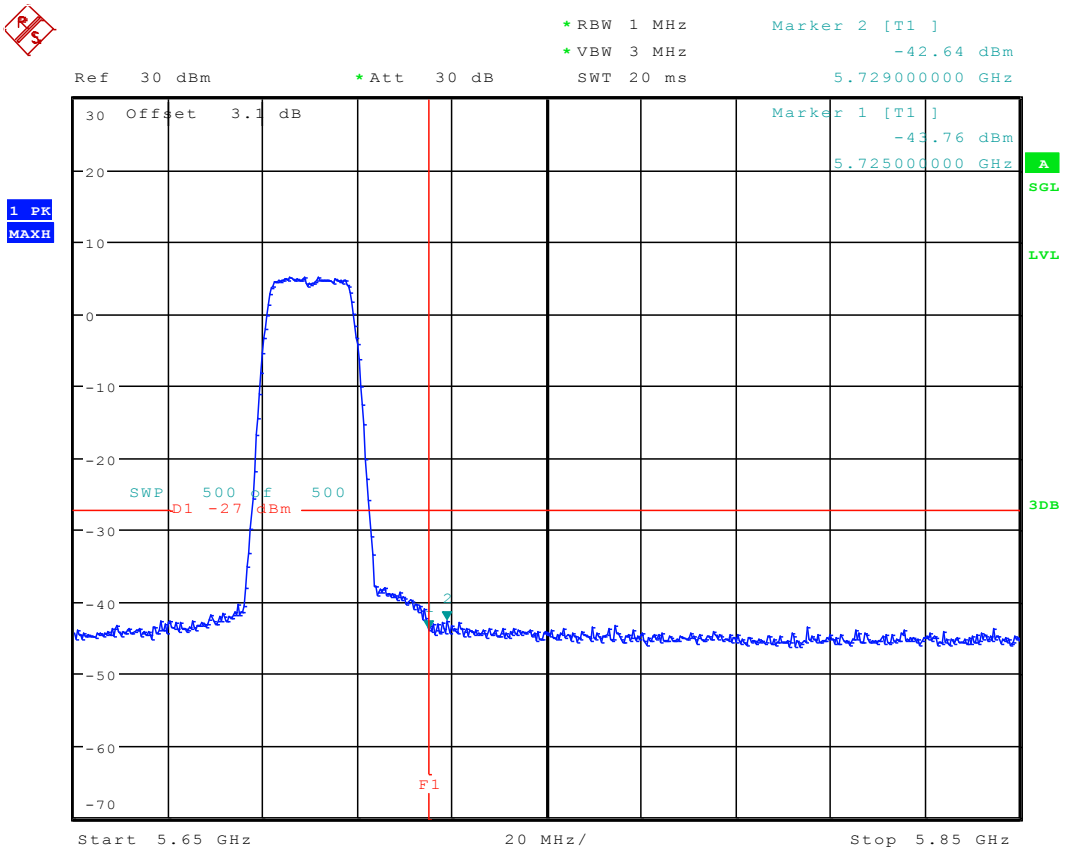
13.107 11AC20M_140 Ant 1



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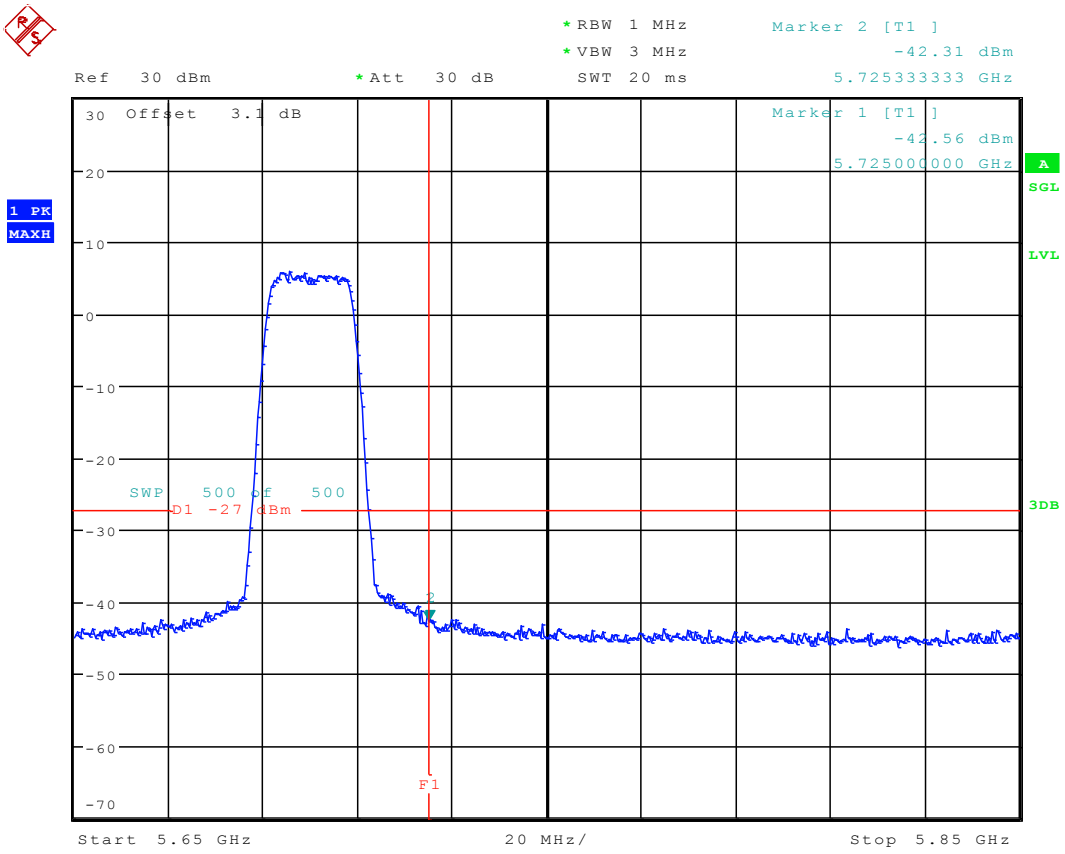
13.108 11AC20M_140 Ant 2



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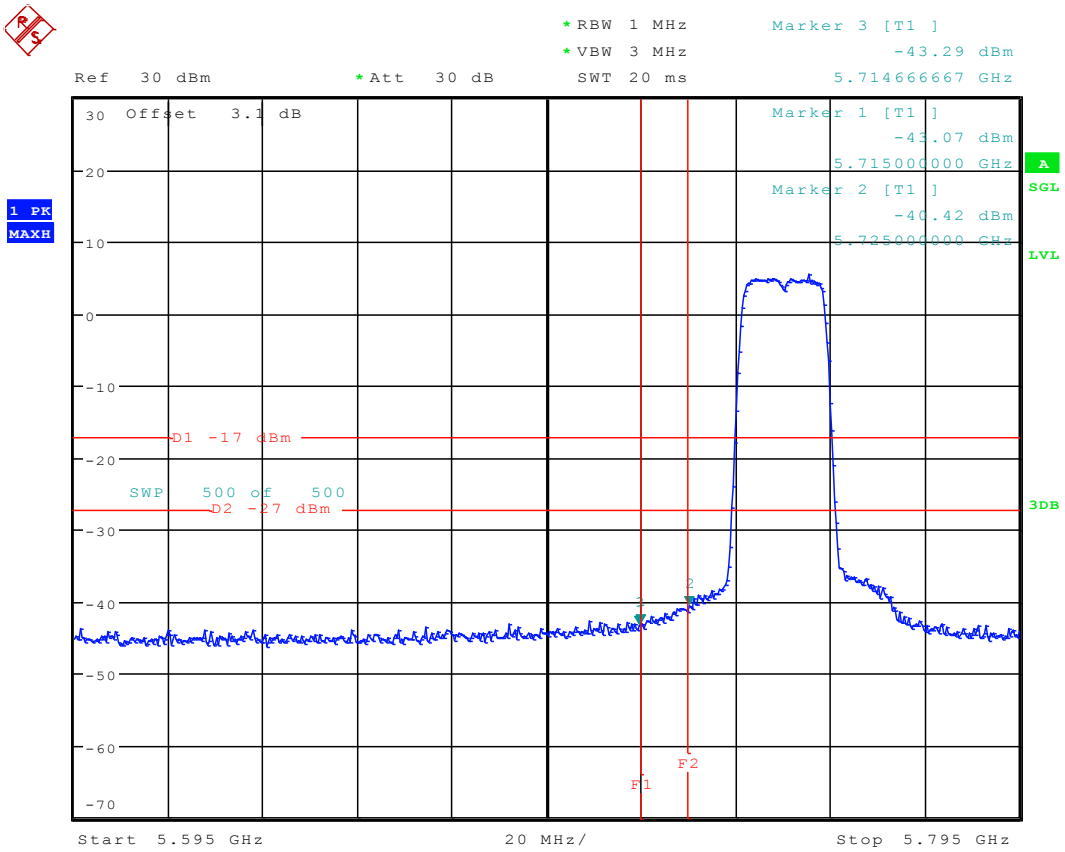
13.109 11AC20M_149 Ant 1



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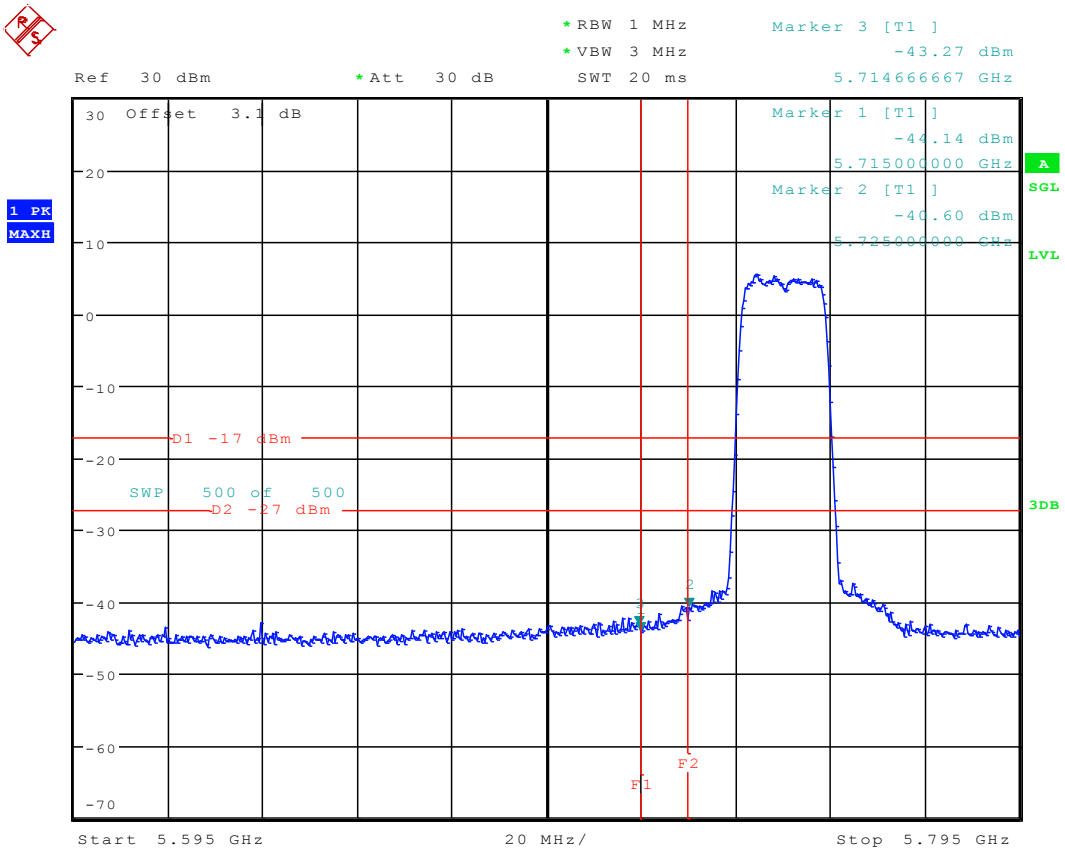
13.110 11AC20M_149 Ant 2



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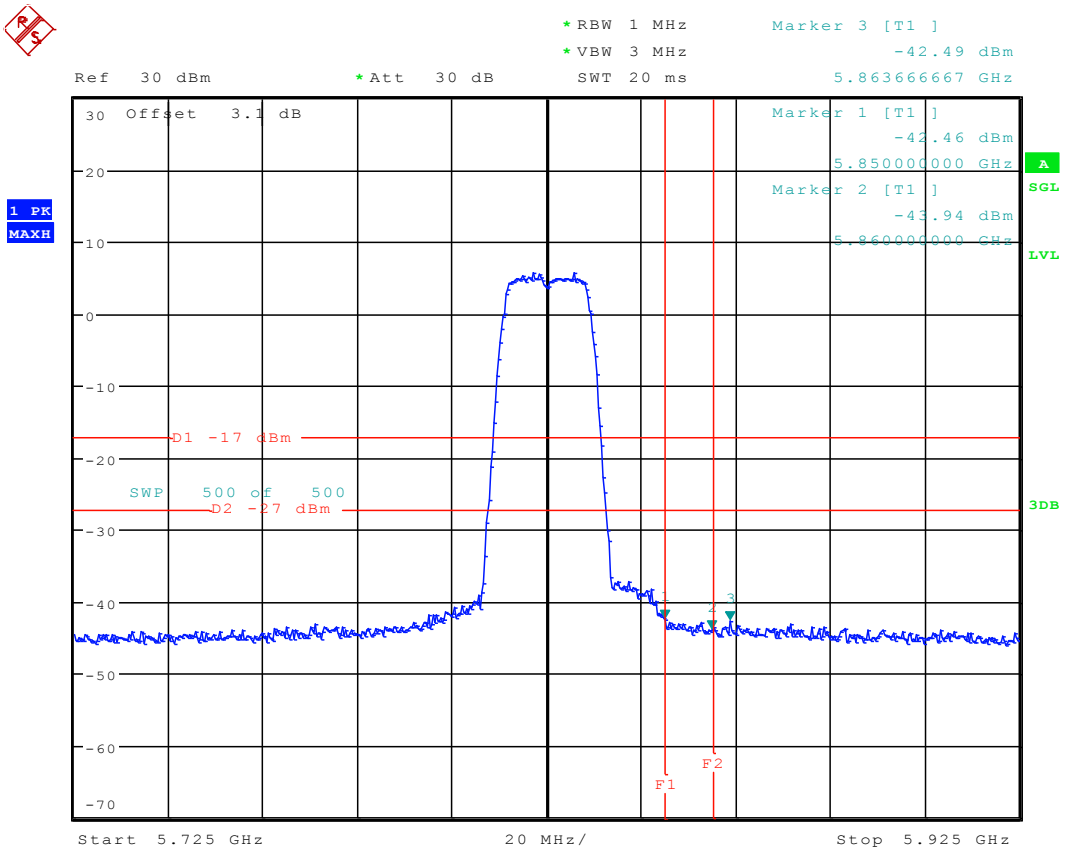
13.111 11AC20M_165Ant 1



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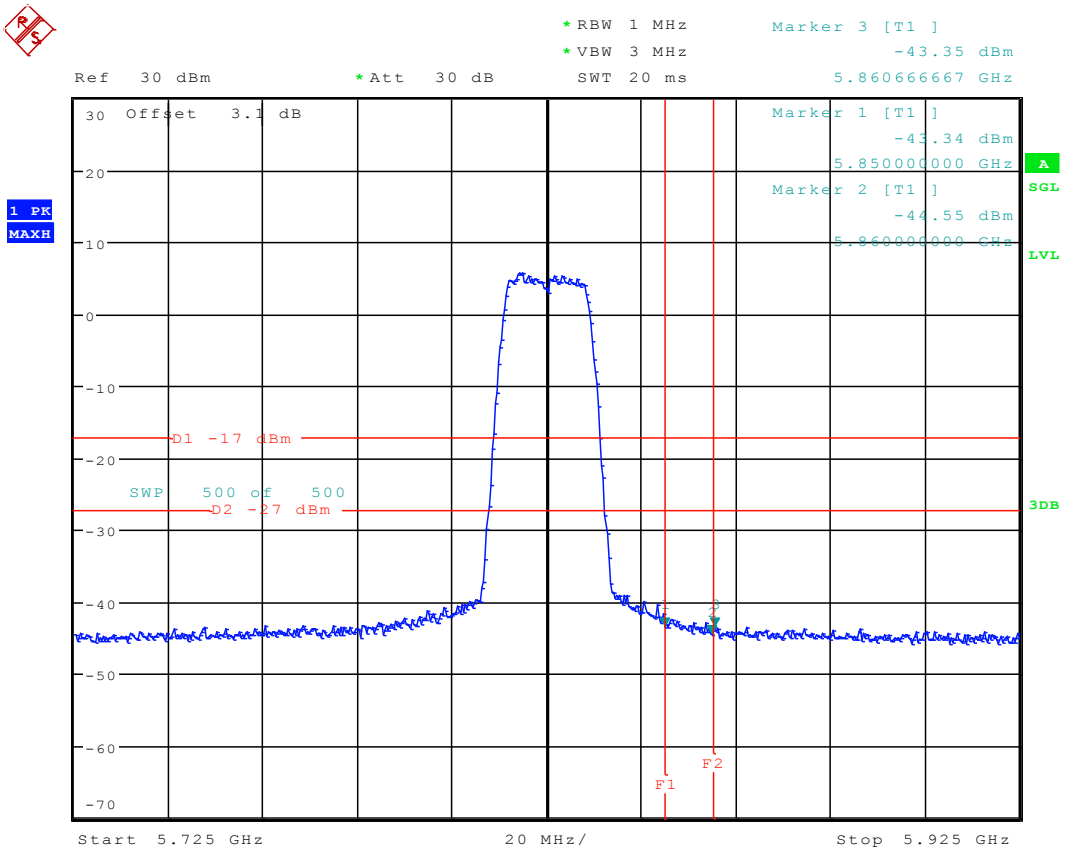
13.112 11AC20M_165 Ant 2



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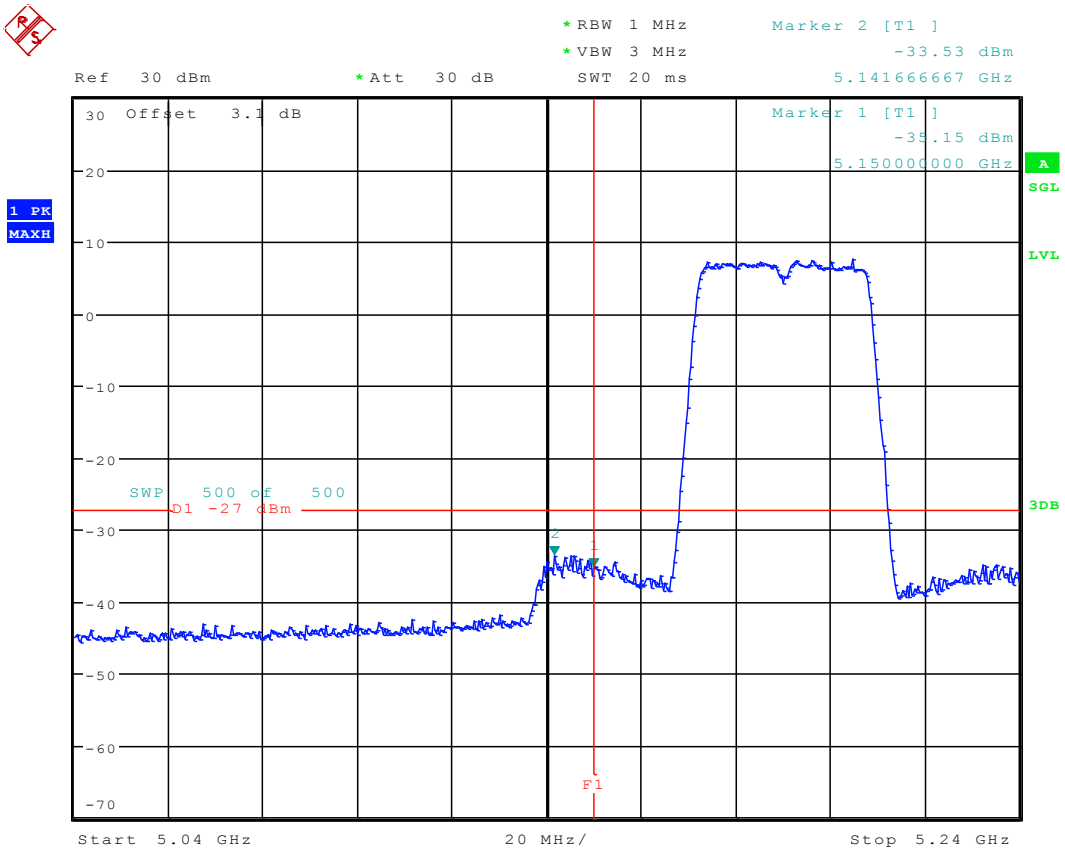
13.113 11AC40_38 Ant 1



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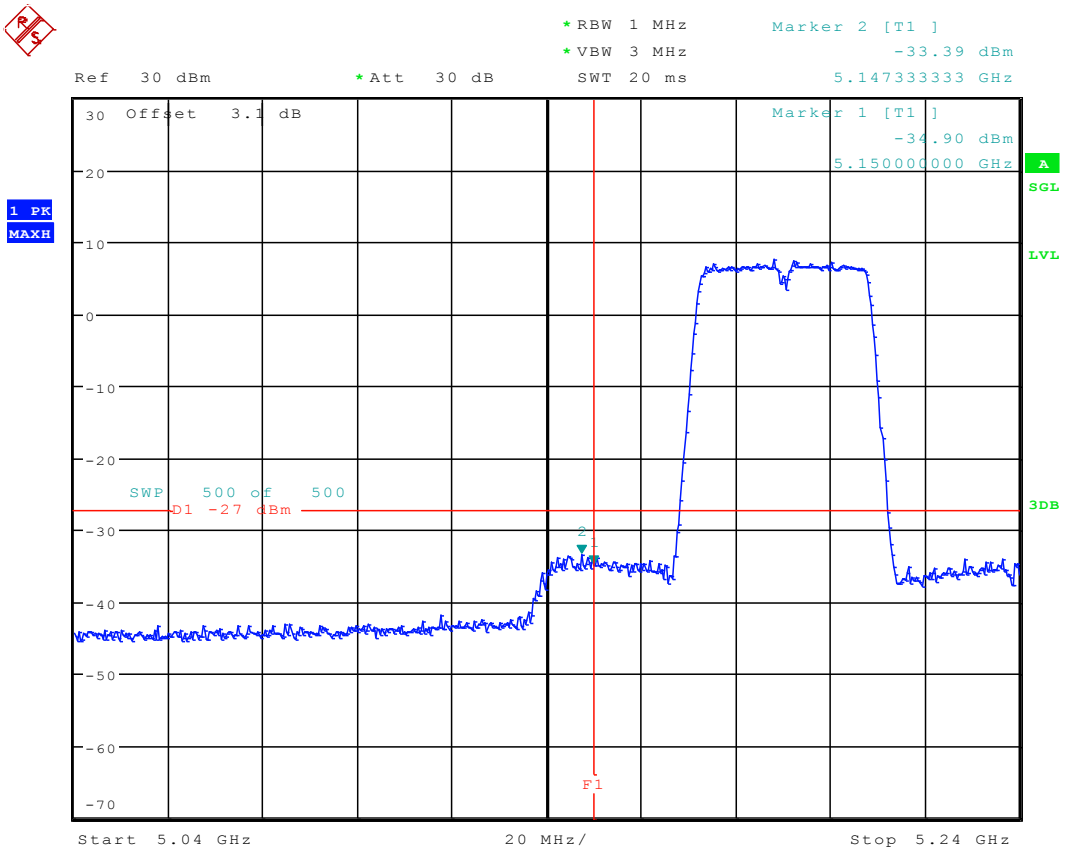
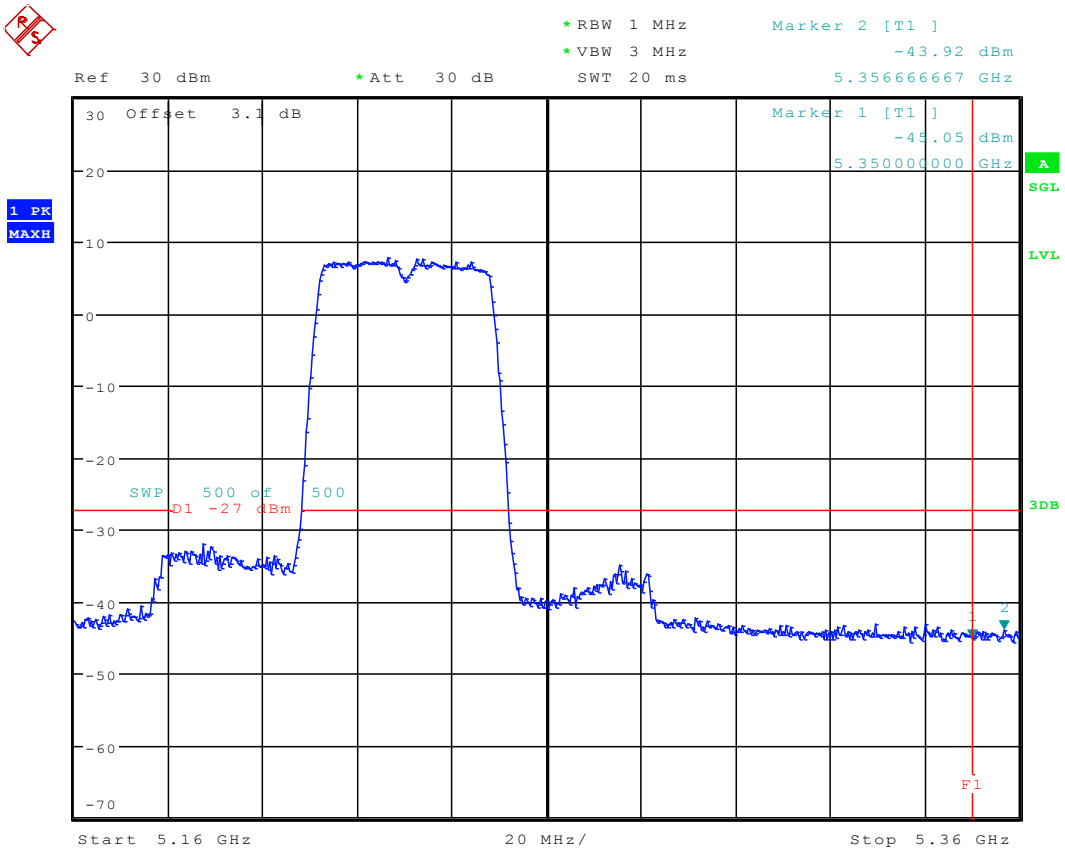
13.114 11AC40_38 Ant 2



Date: 14.MAR.2016 16:01:18

13.115 11AC40_46 Ant 1



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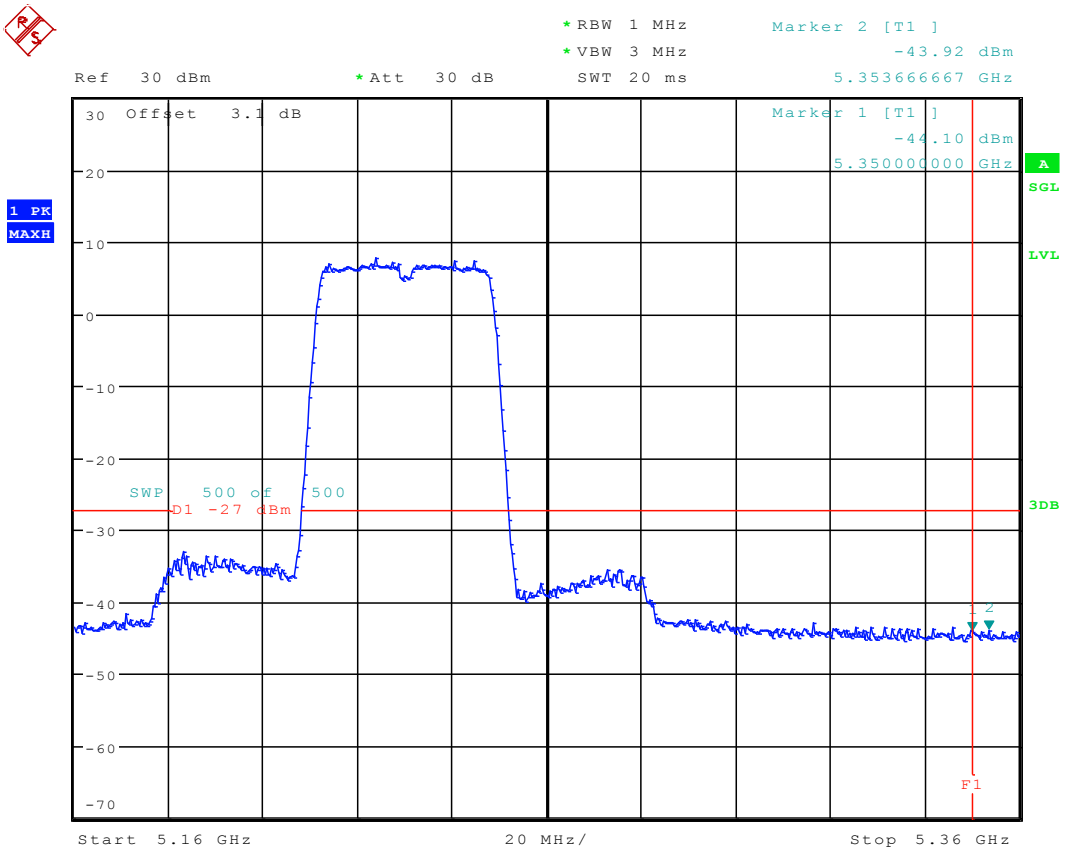
13.116 11AC40_46 Ant 2



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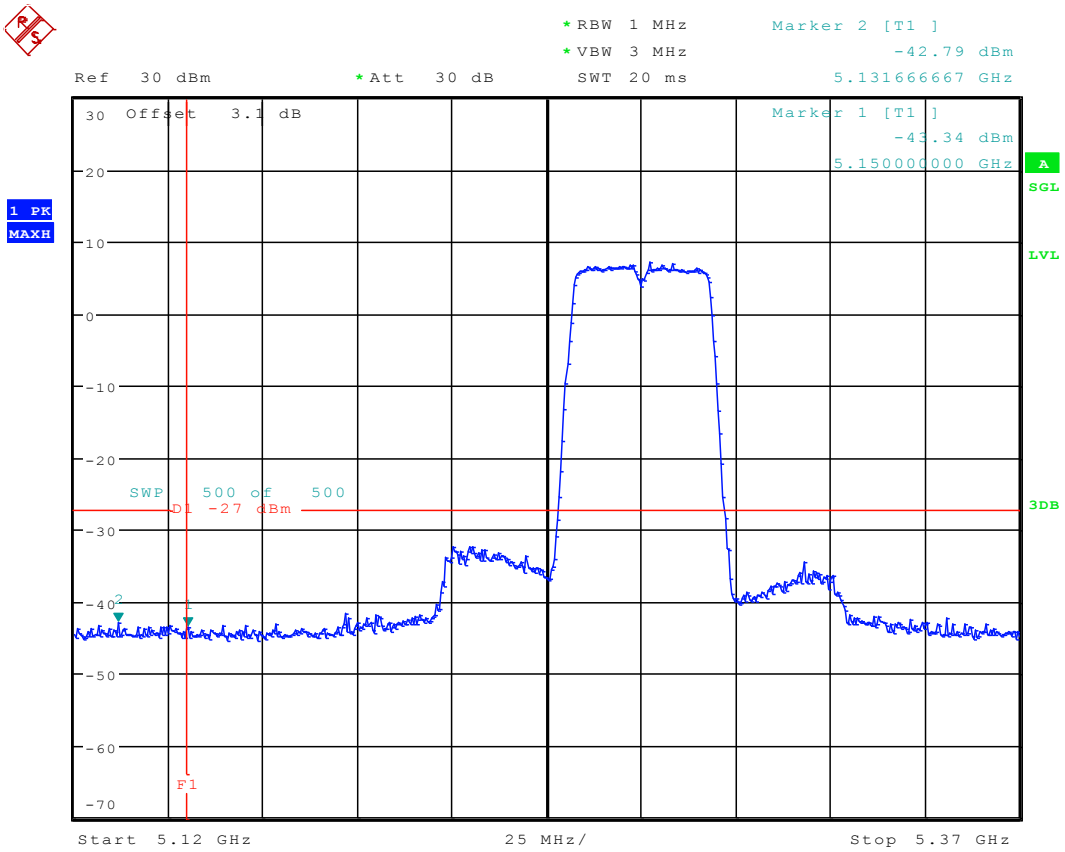
13.117 11AC40_54 Ant 1



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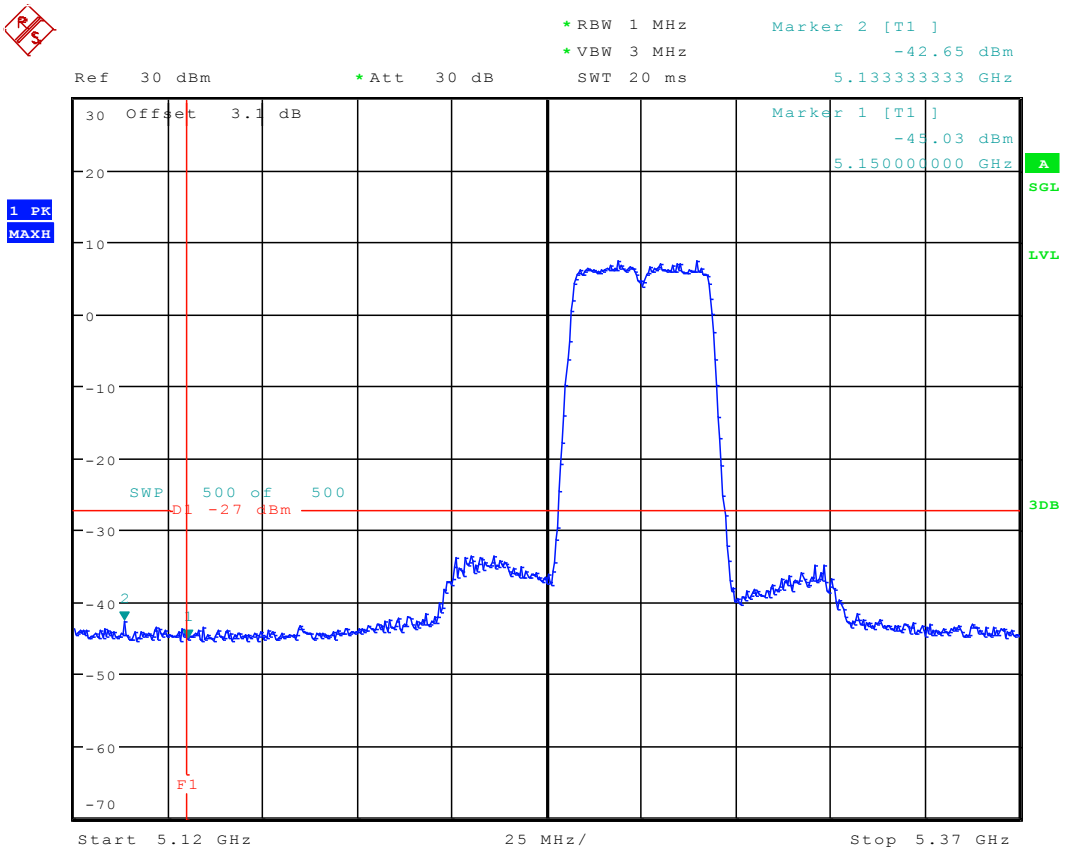
13.118 11AC40_54 Ant 2



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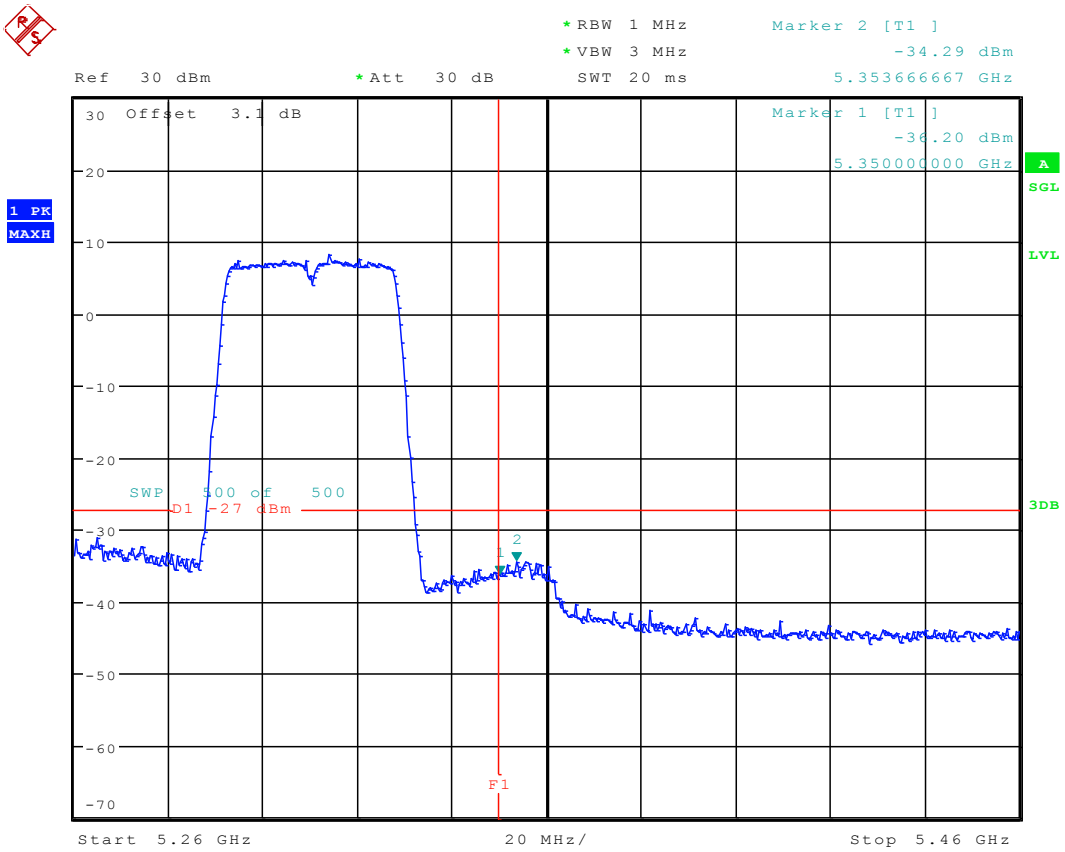
13.119 11AC40_62 Ant 1



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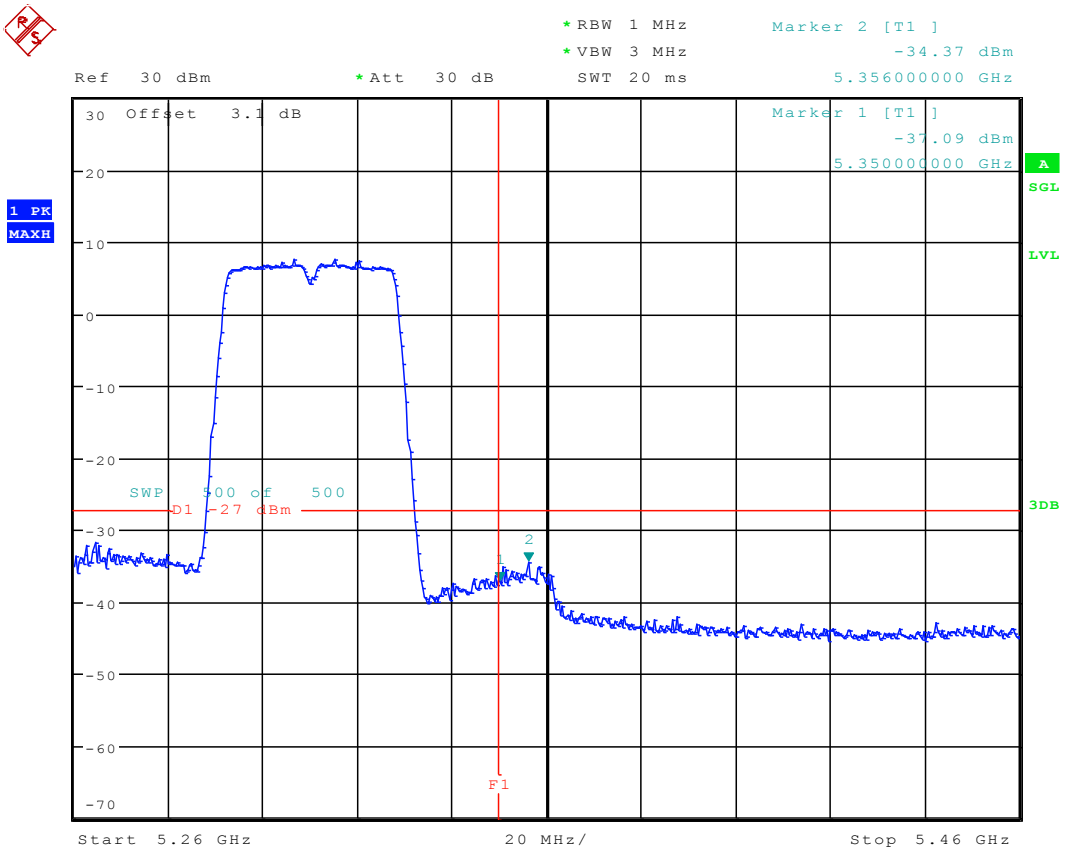
13.120 11AC40_62 Ant 2



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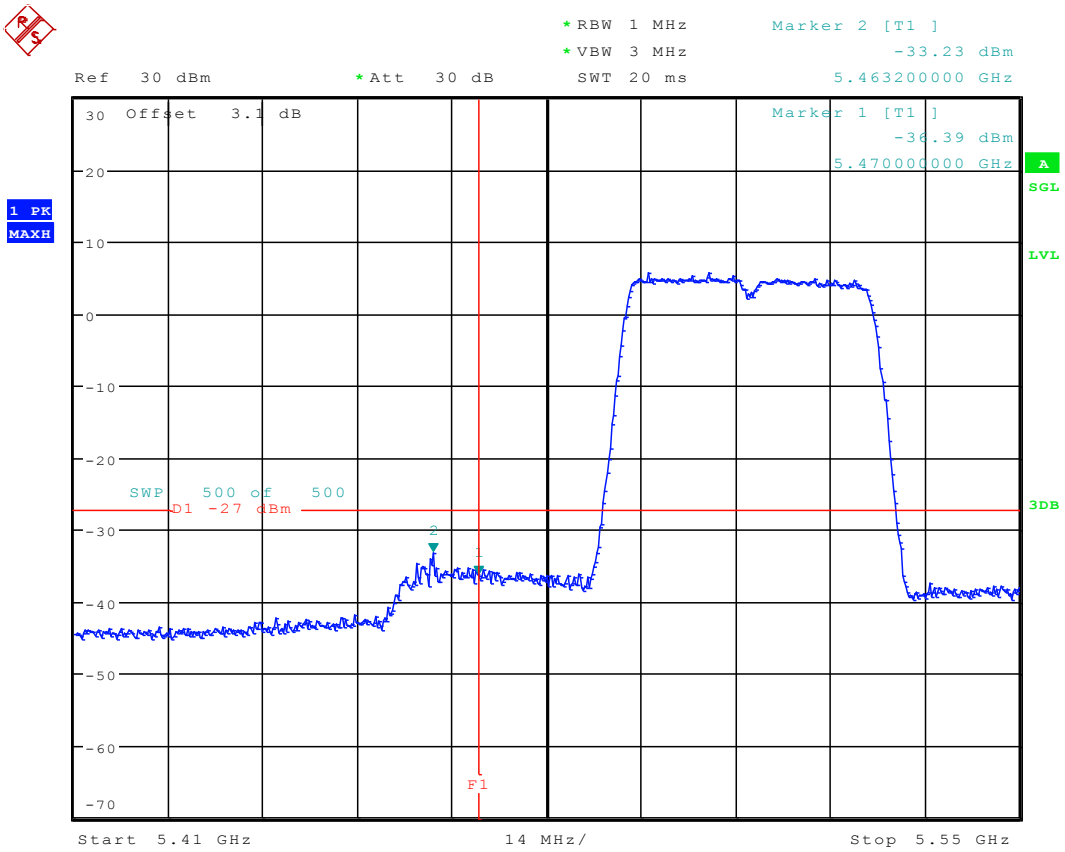
13.121 11AC40_102 Ant 1



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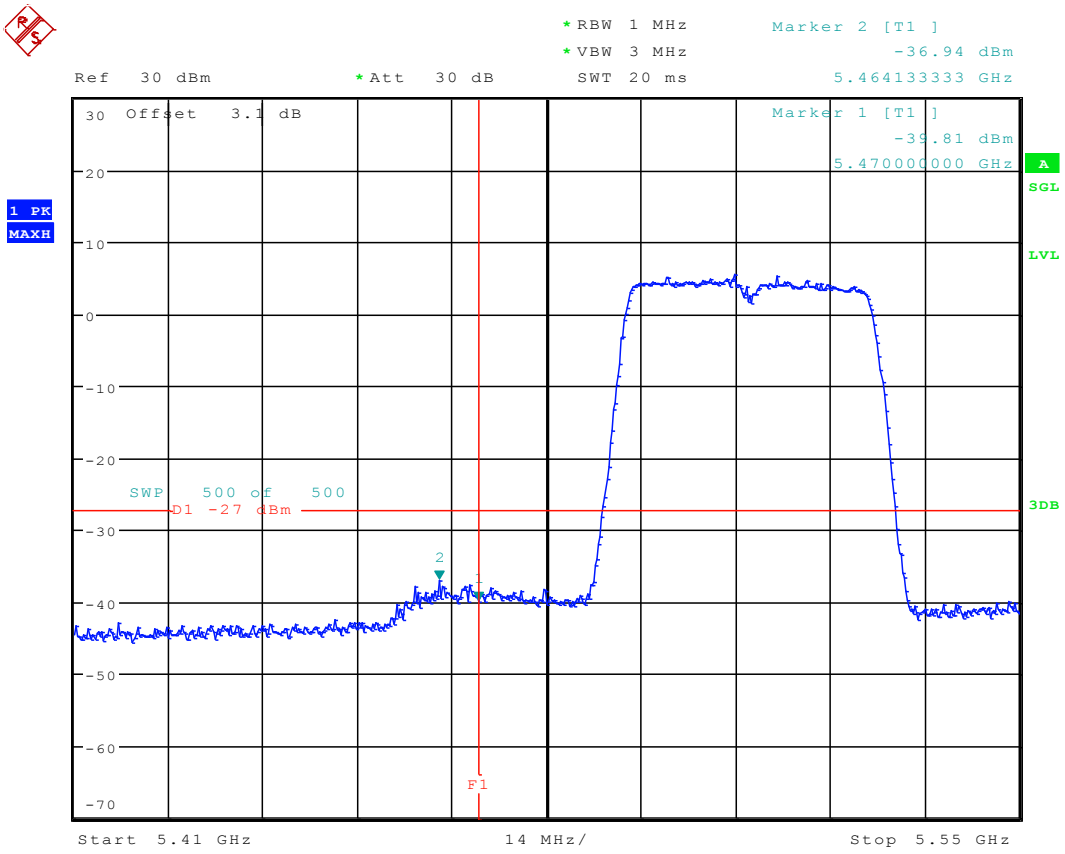
13.122 11AC40_102 Ant 2



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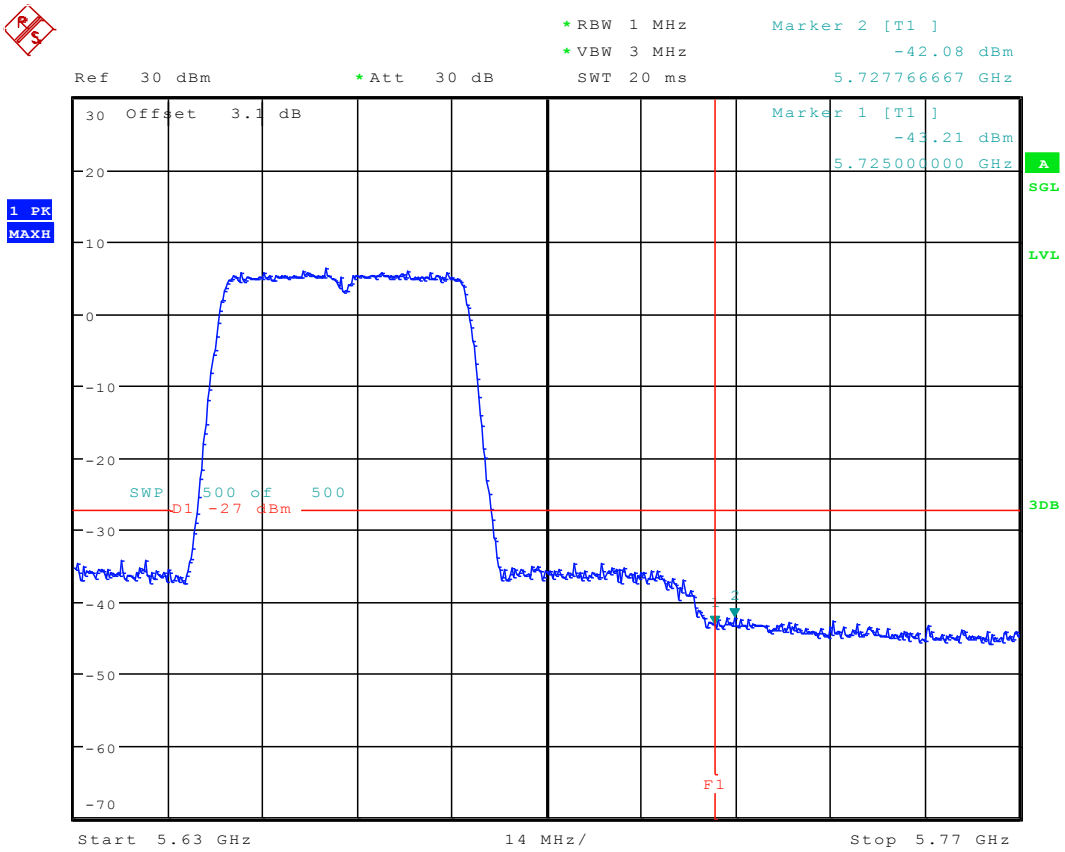
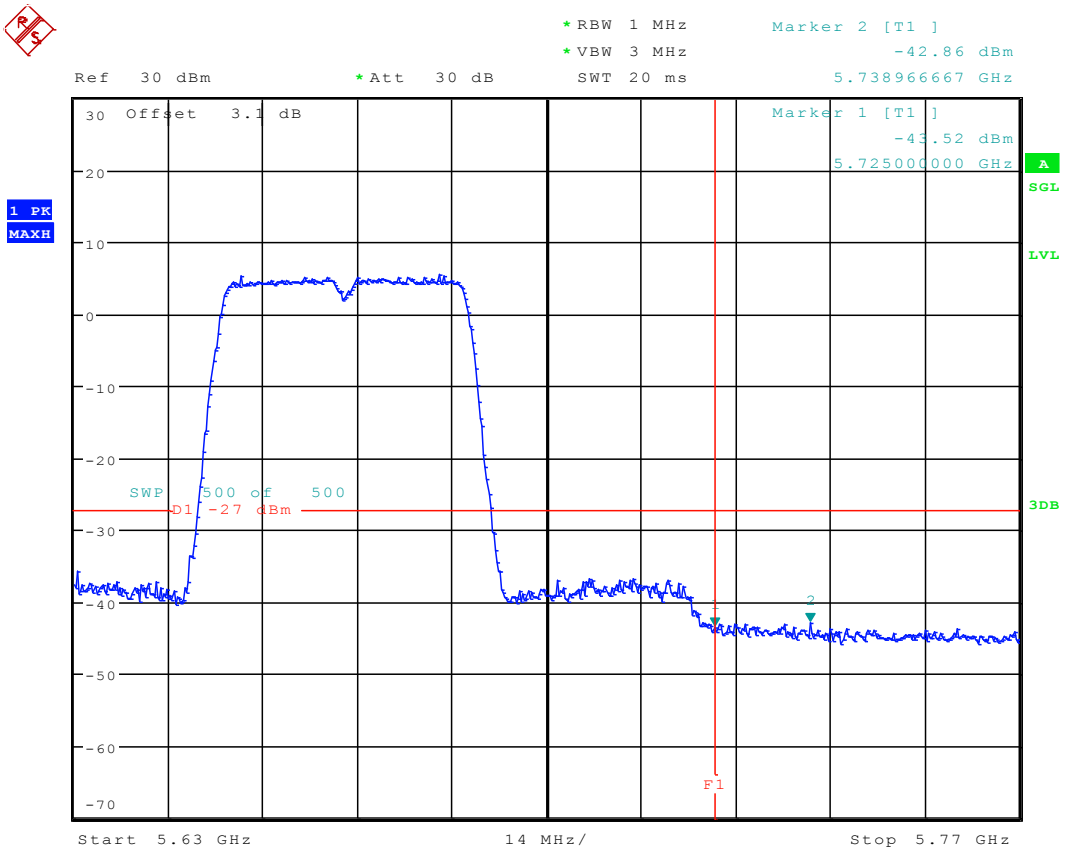
13.123 11AC40_134 Ant 1



Date: 15.MAR.2016 10:14:30

13.124 11AC40_134 Ant 2



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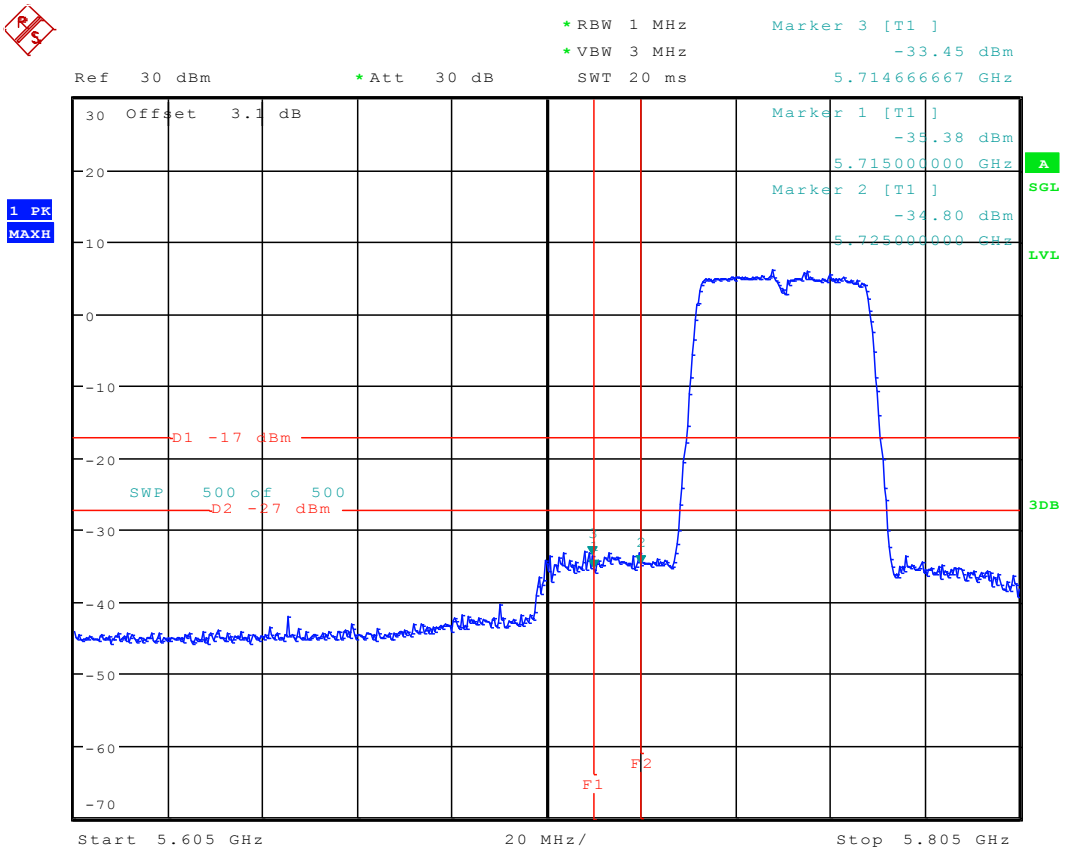
13.125 11AC40_151 Ant 1



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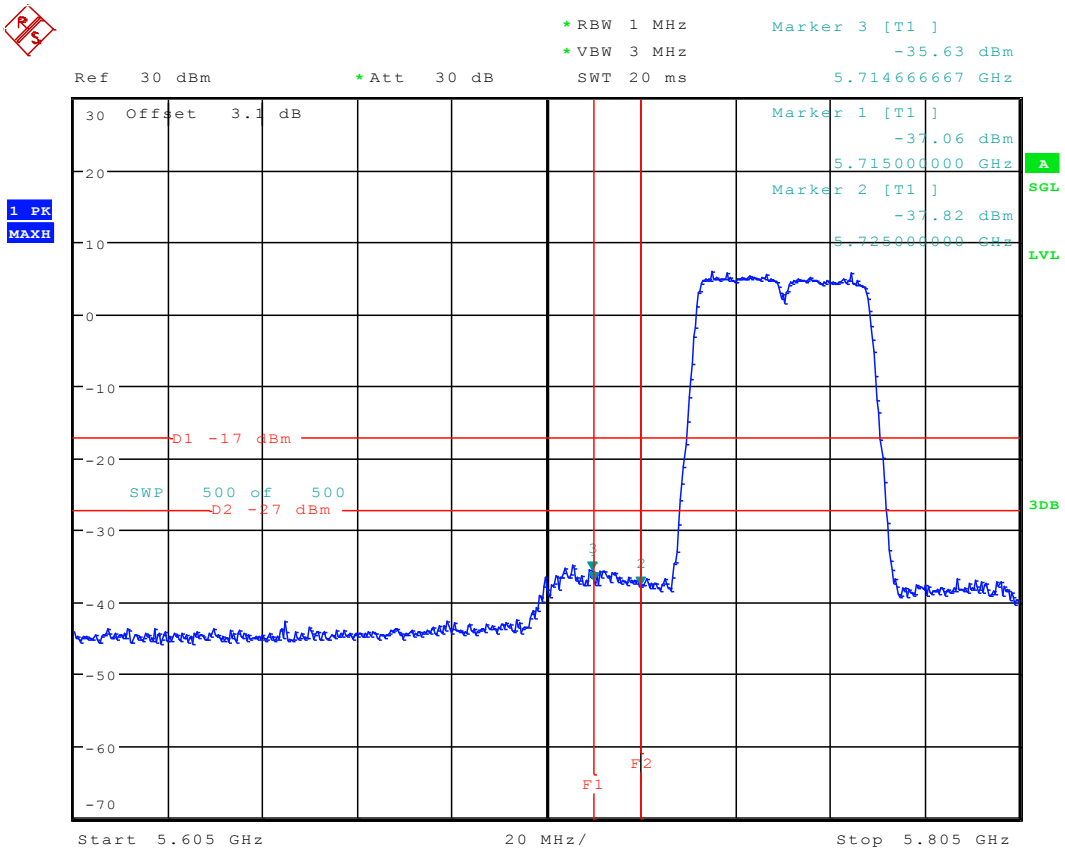
13.126 11AC40_151 Ant 2



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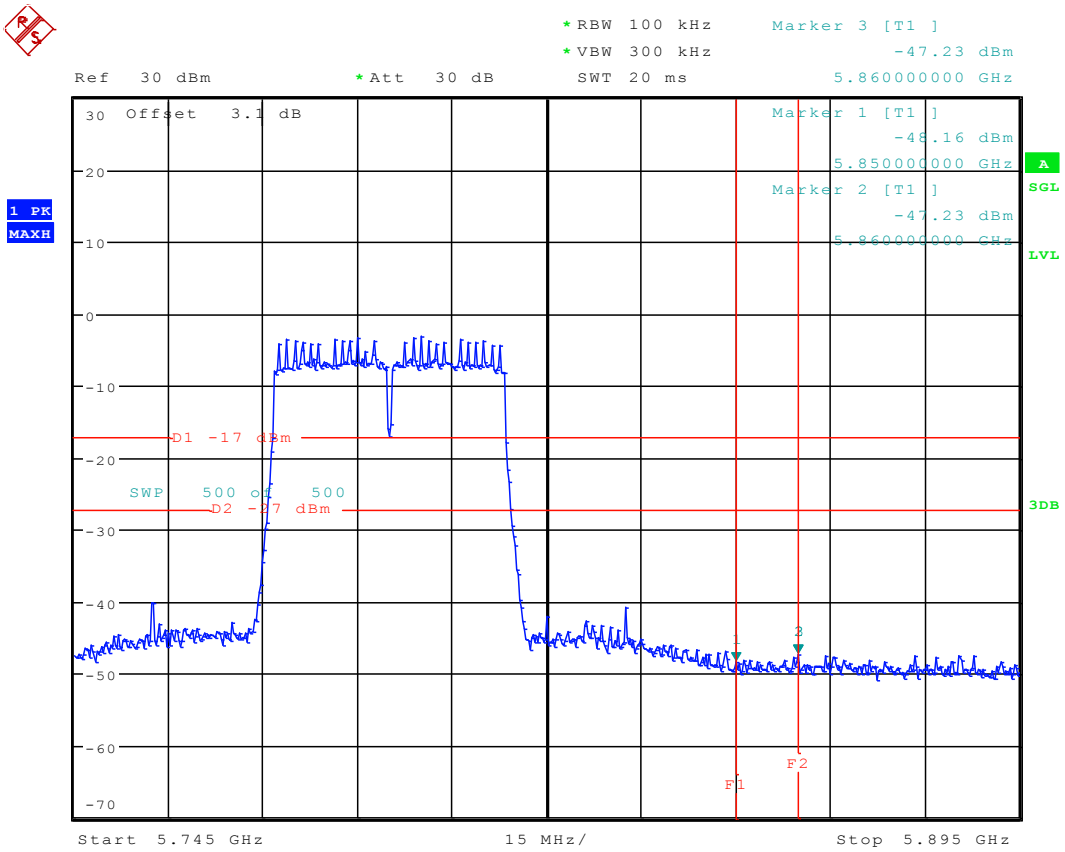
13.127 11AC40_159 Ant 1



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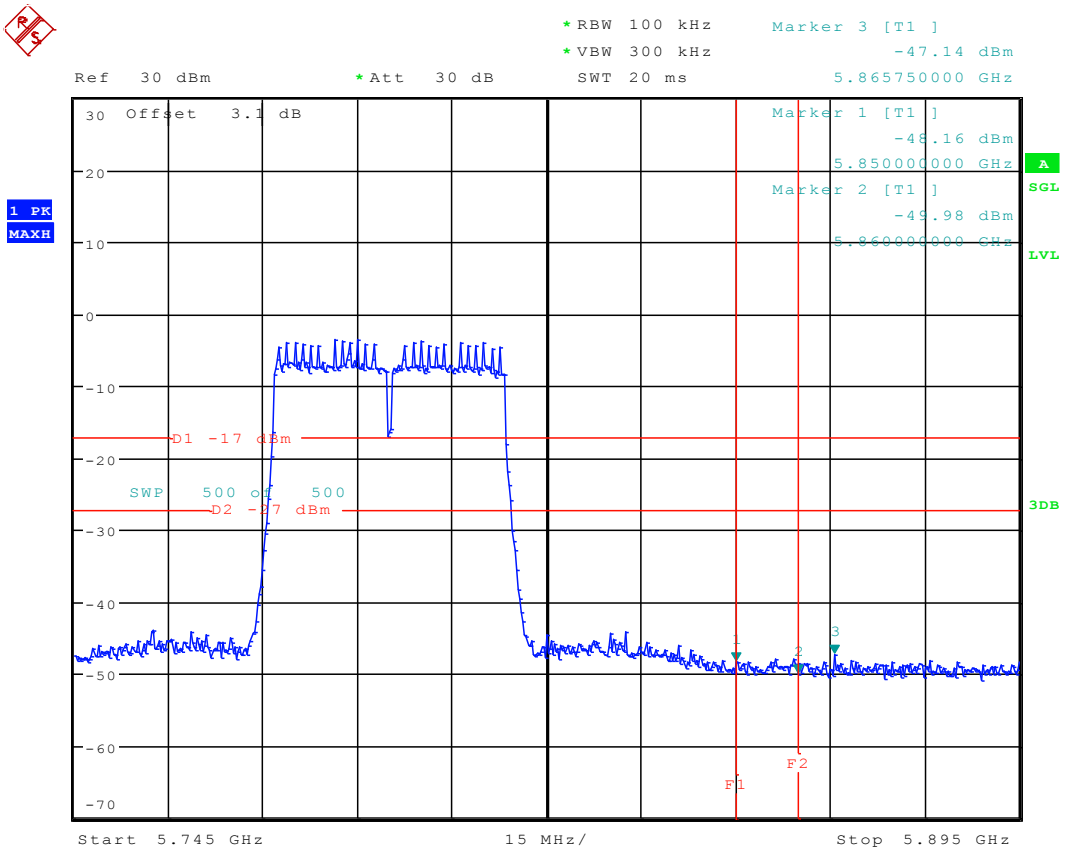
13.128 11AC40_159 Ant 2



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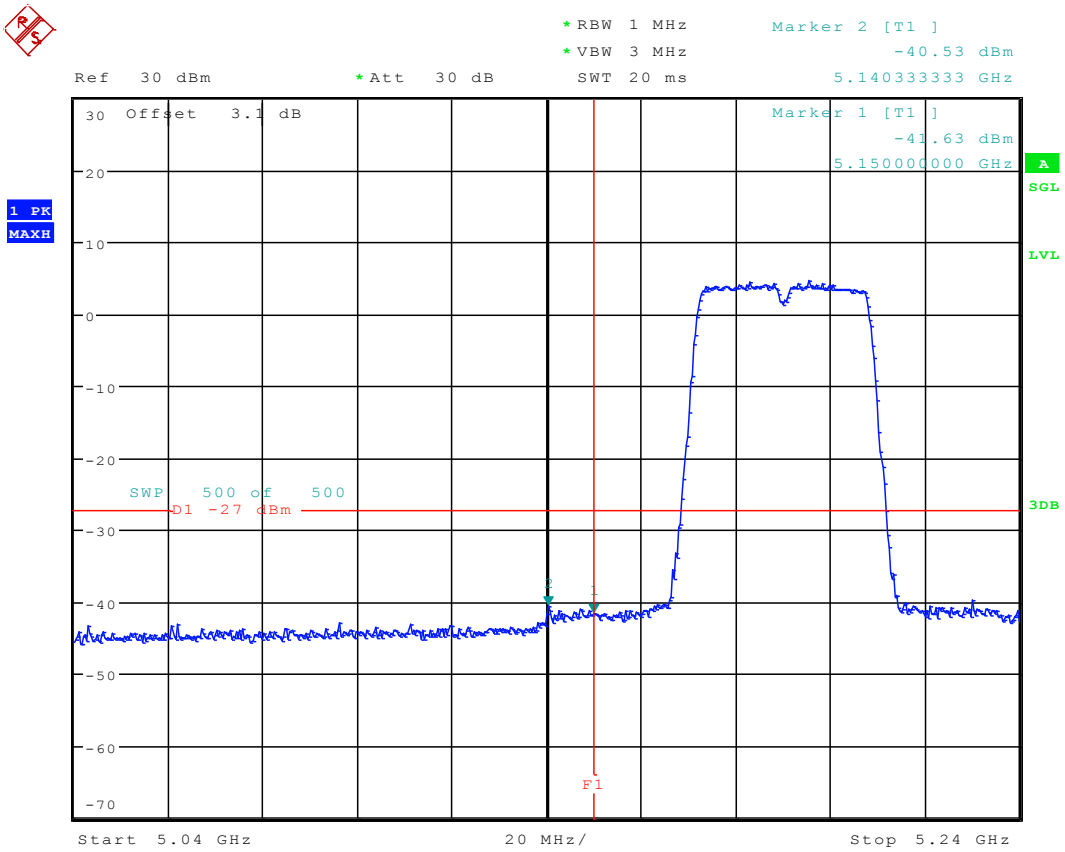
13.129 11AC40M_38 Ant 1



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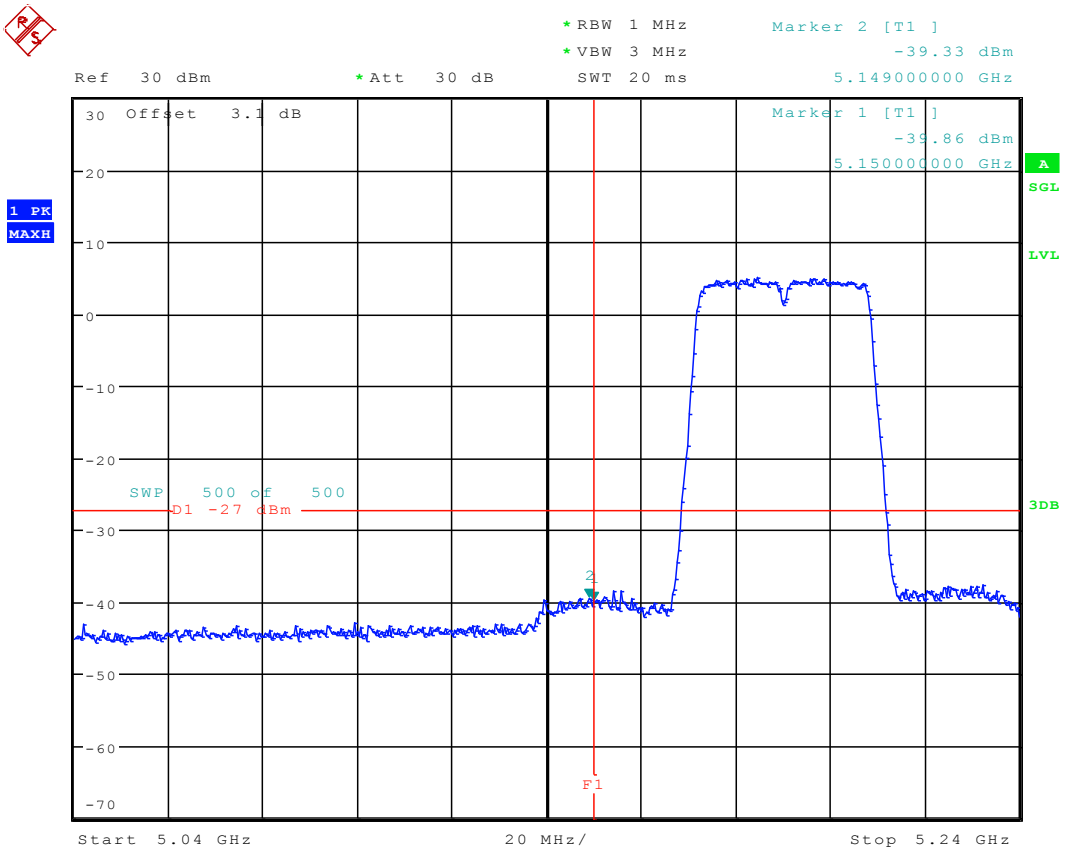
13.130 11AC40M_38 Ant 2



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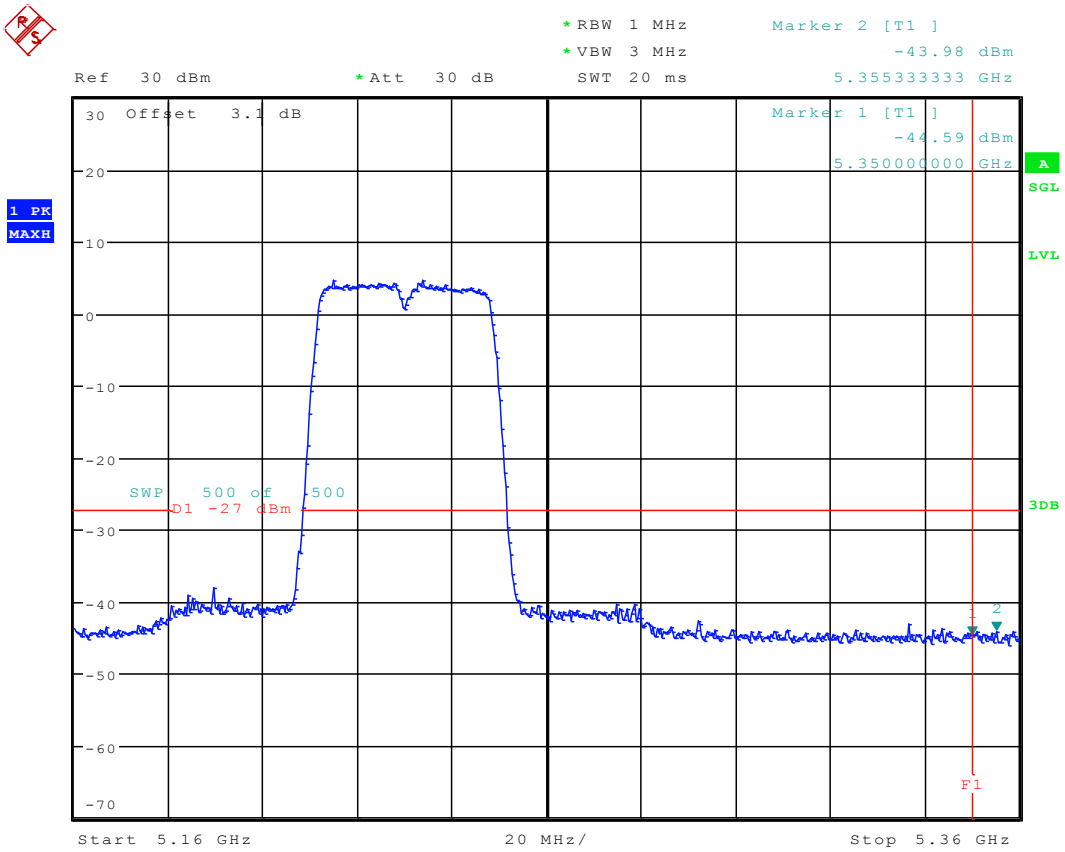
13.131 11AC40M_46 Ant 1



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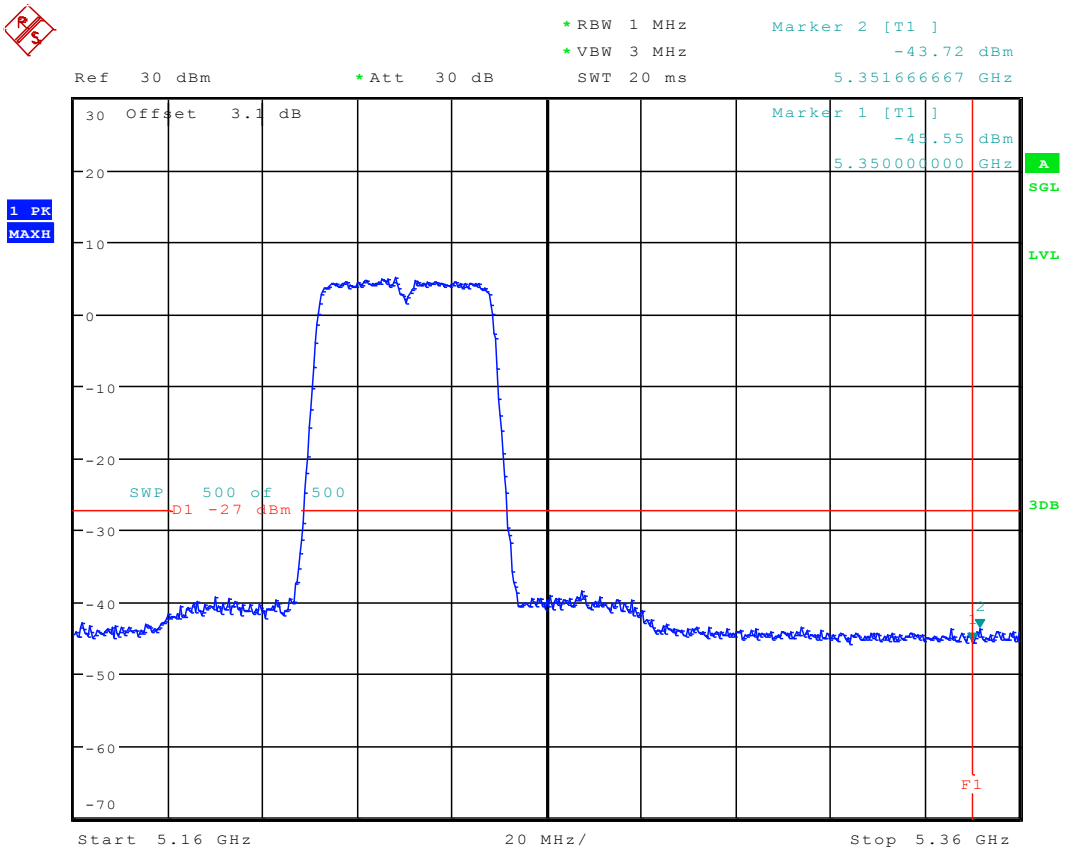
13.132 11AC40M_46 Ant 2



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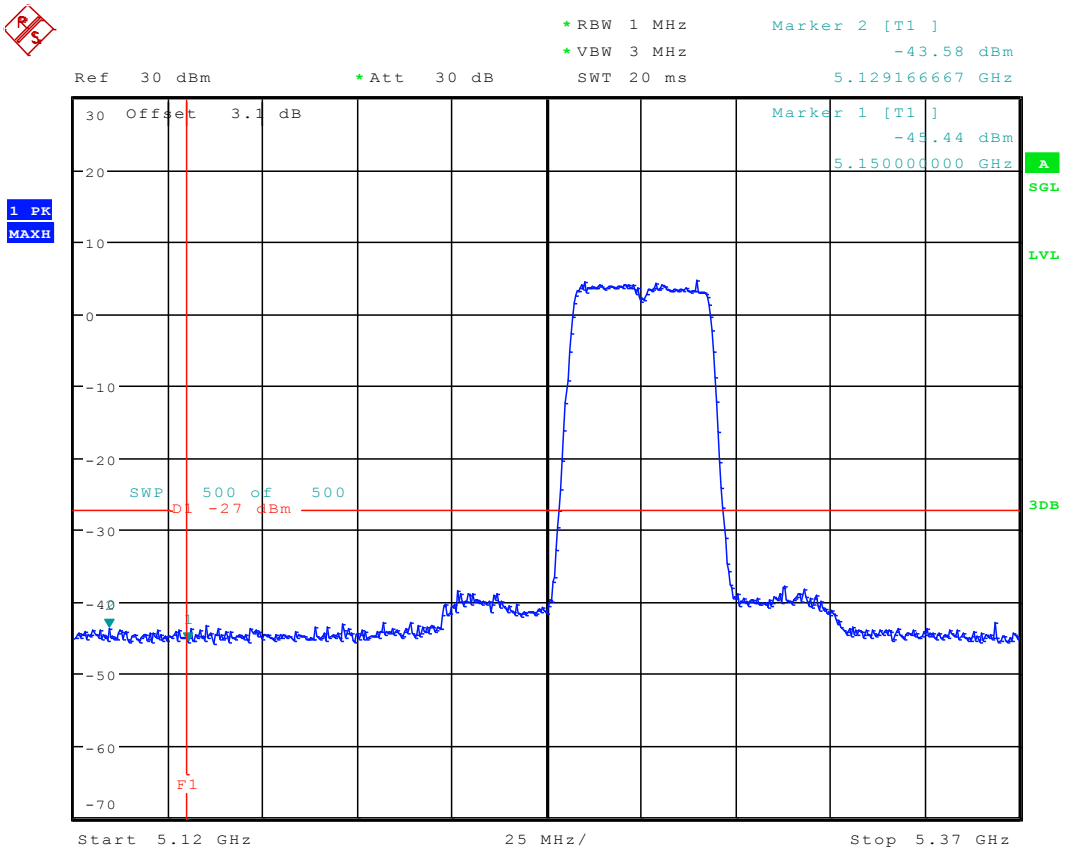
13.133 11AC40M_54 Ant 1



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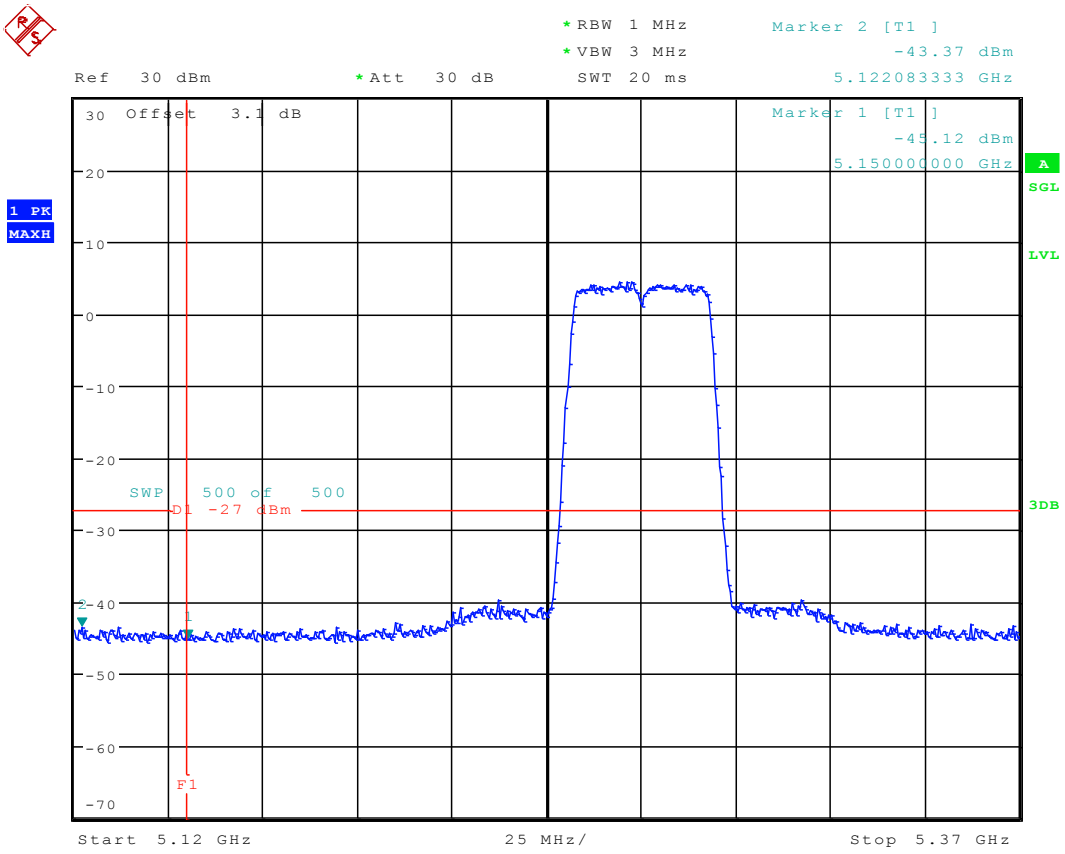
13.134 11AC40M_54 Ant 2



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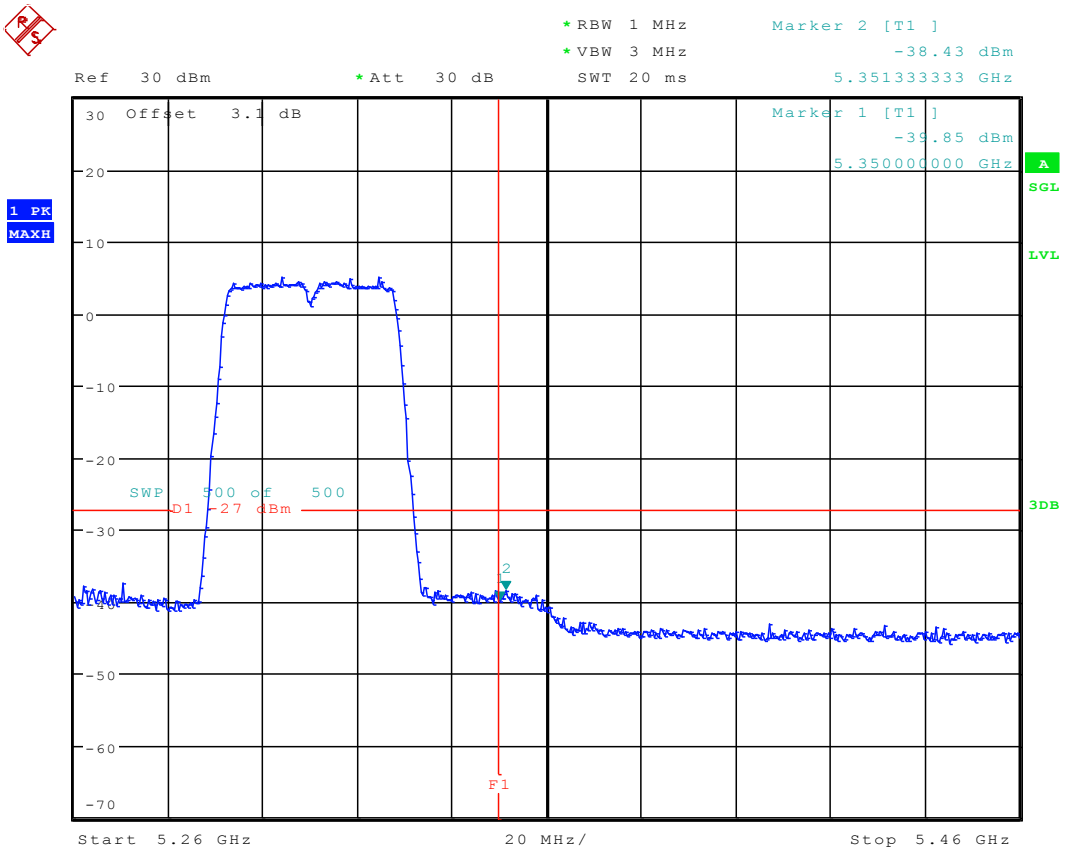
13.135 11AC40M_62 Ant 1



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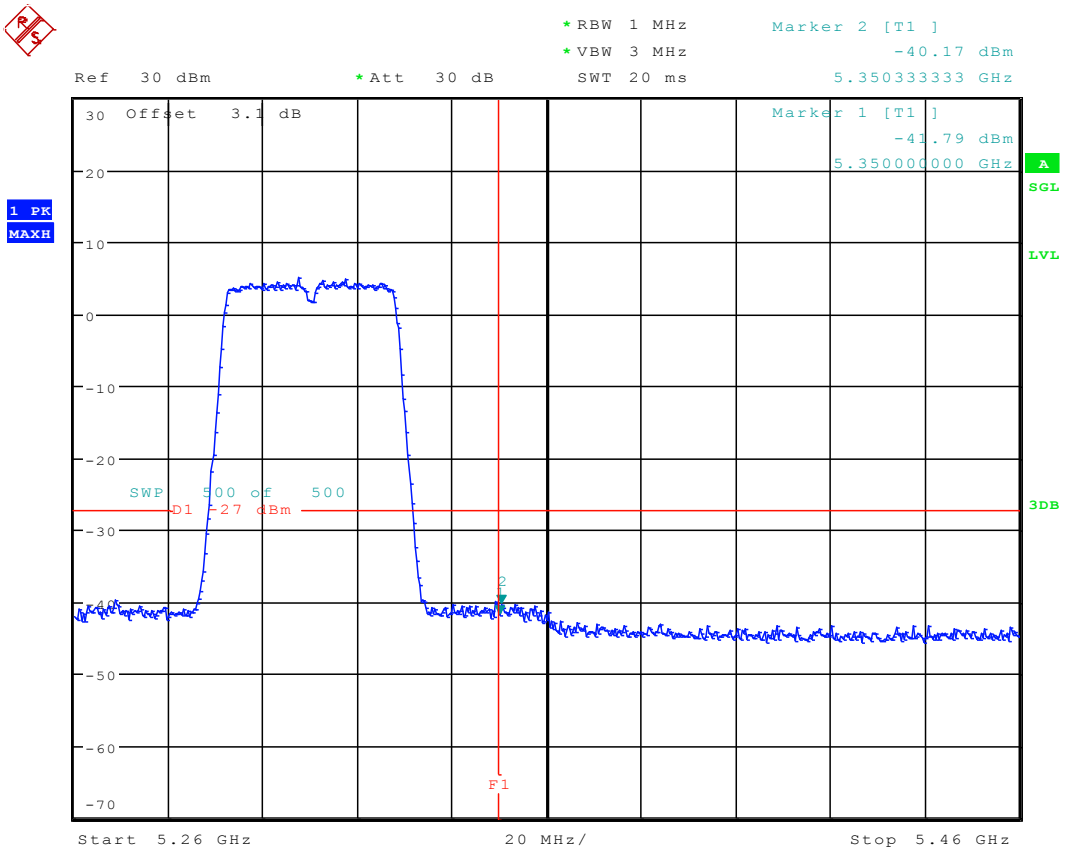
13.136 11AC40M_62 Ant 2



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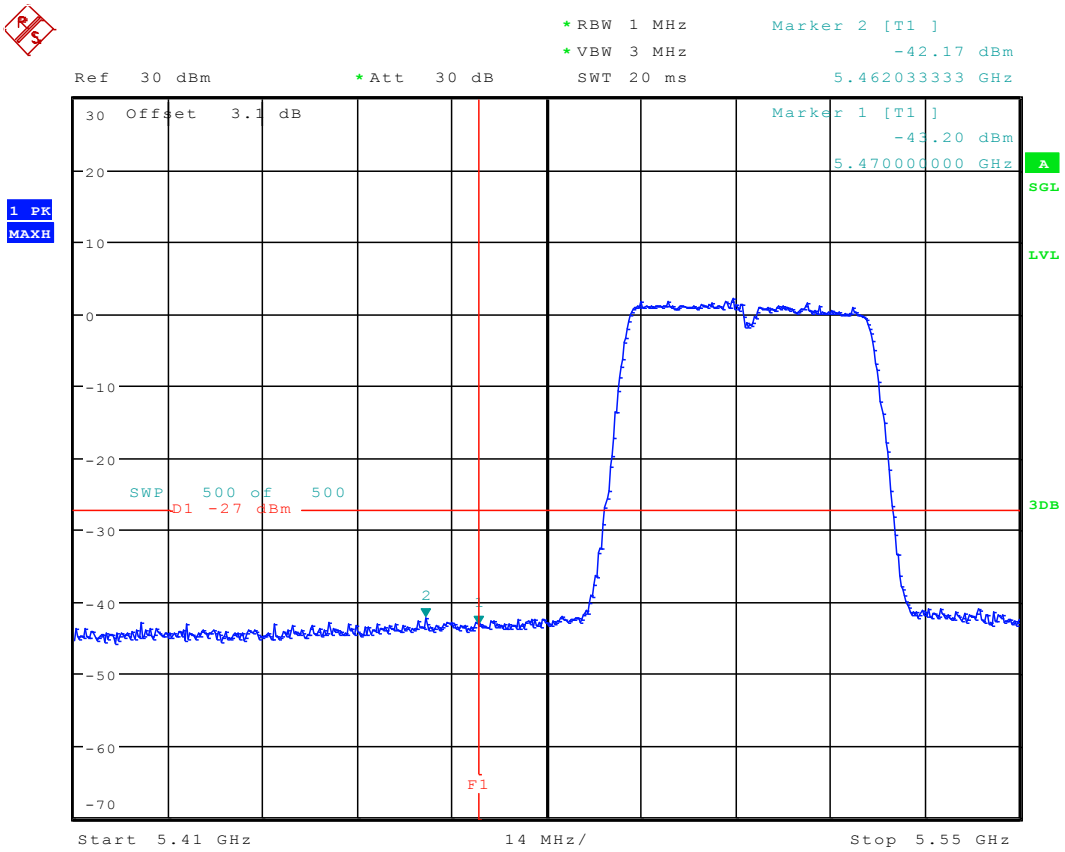
13.137 11AC40M_102 Ant 1



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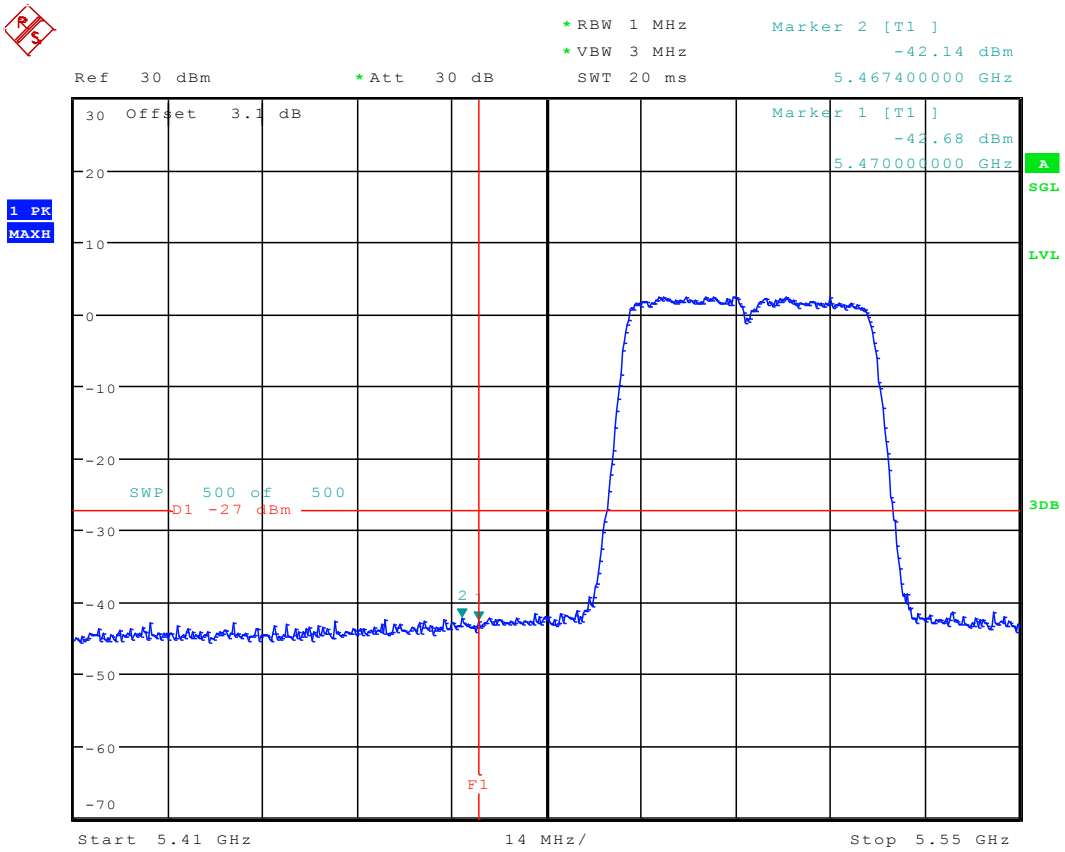
13.138 11AC40M_102 Ant 2



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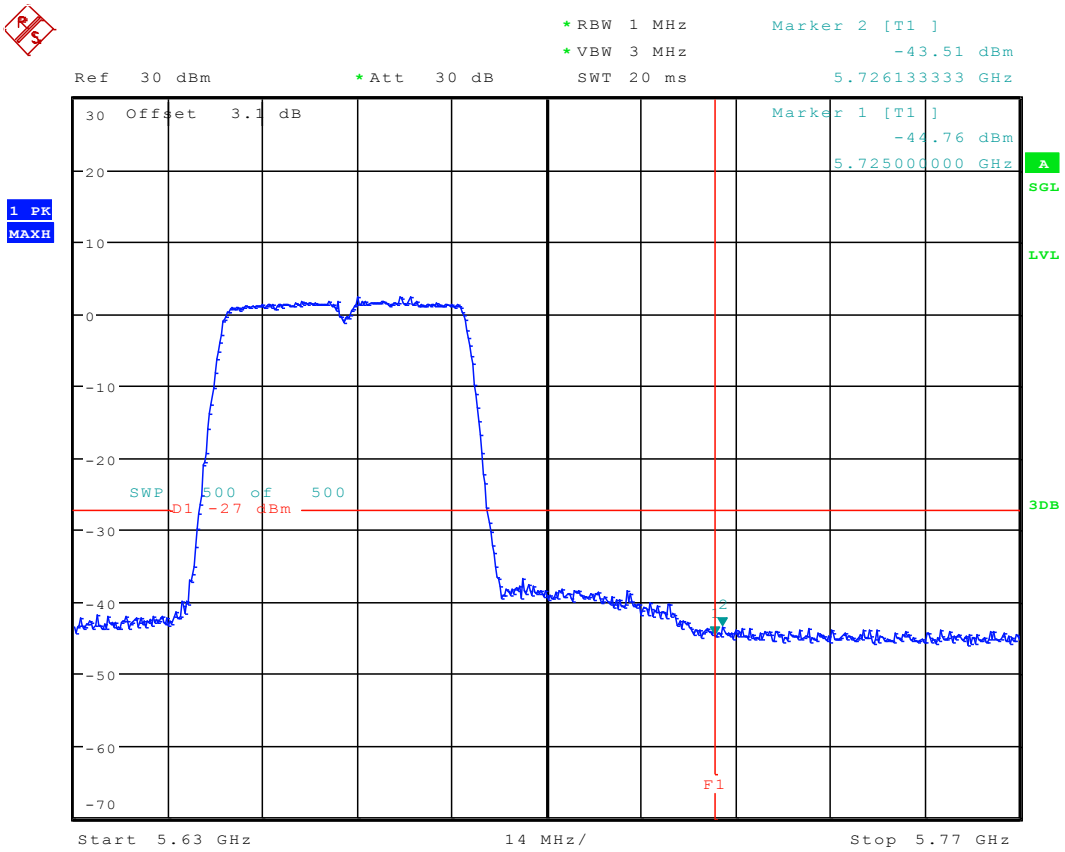
13.139 11AC40M_134 Ant 1



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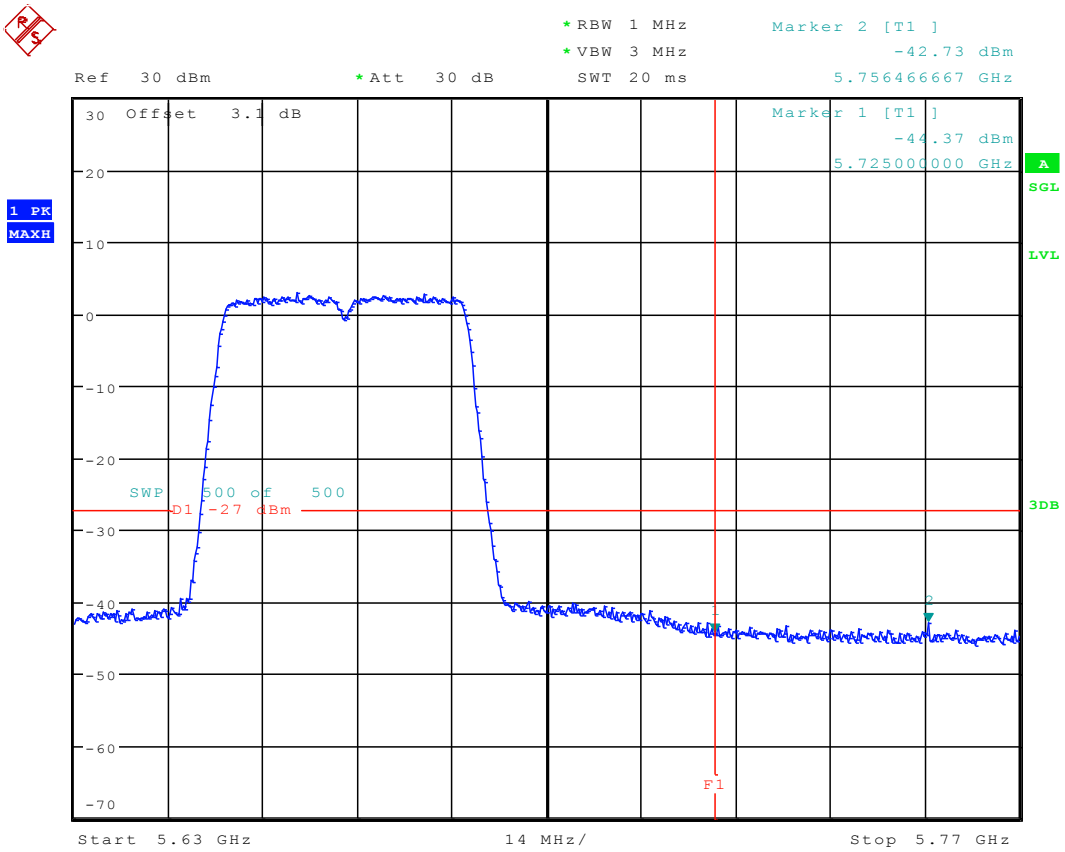
13.140 11AC40M_134 Ant 2



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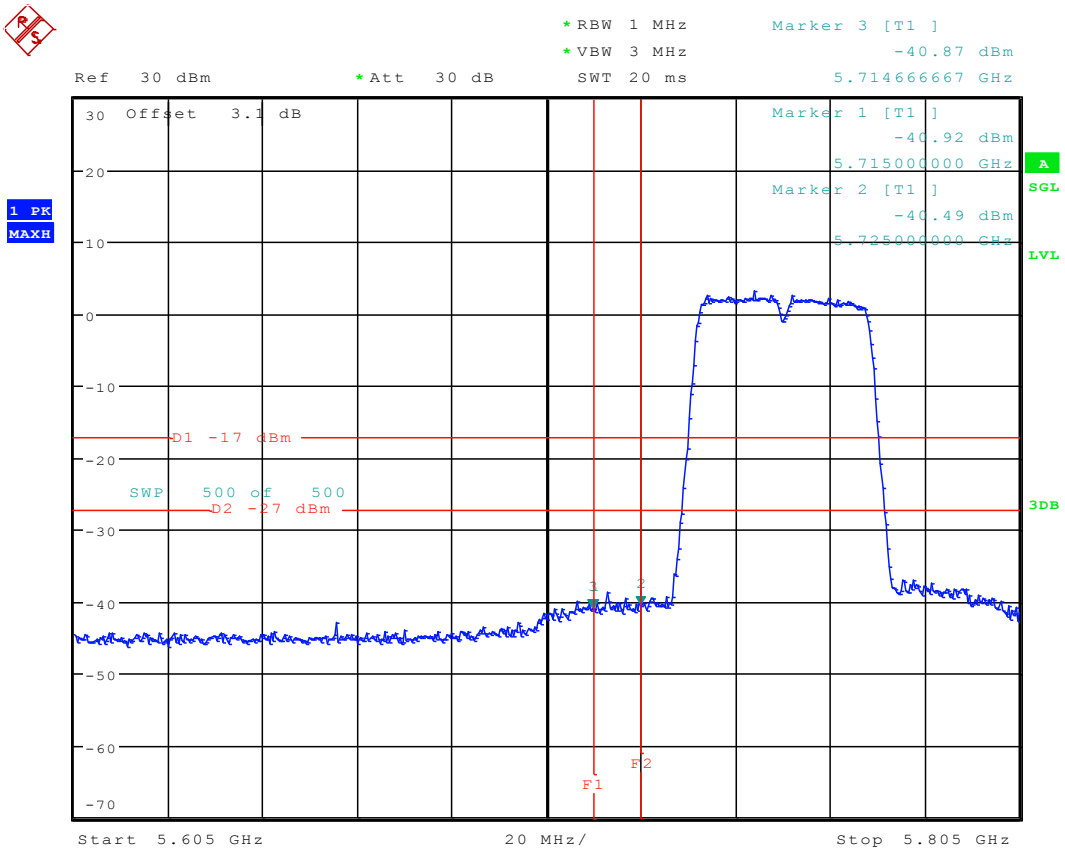
13.141 11AC40M_151 Ant 1



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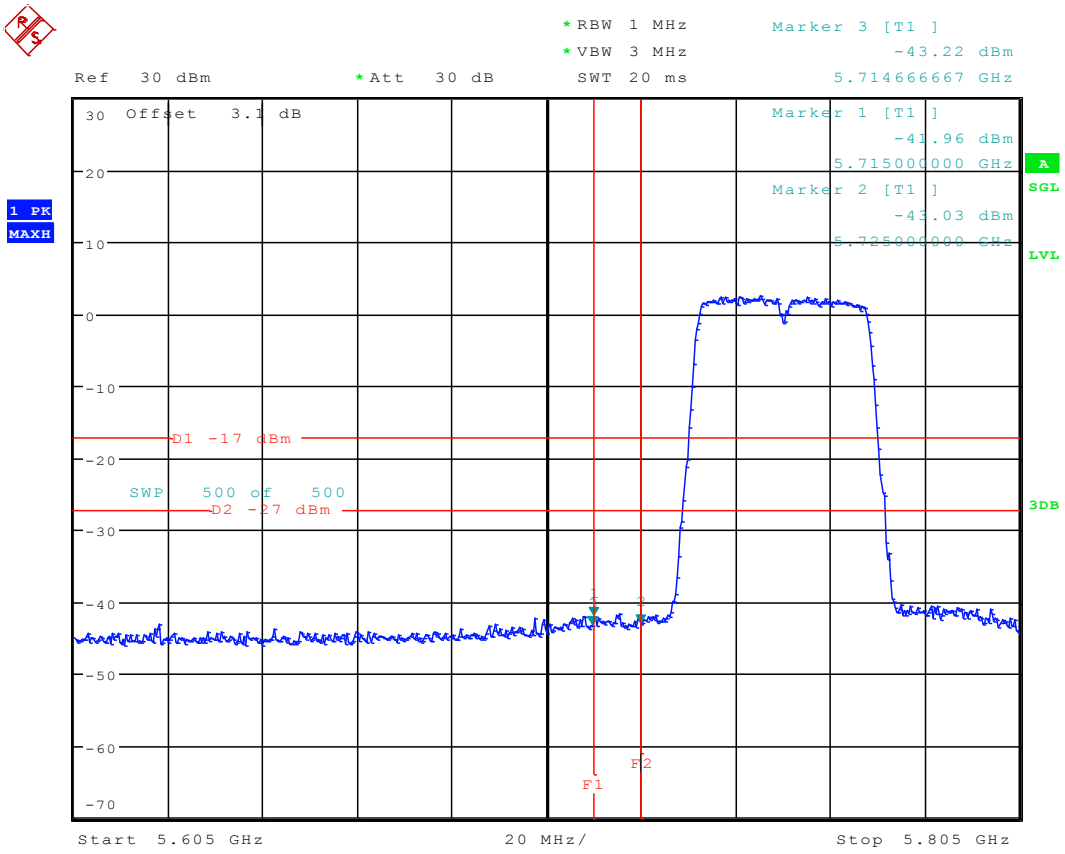
13.142 11AC40M_151 Ant 2



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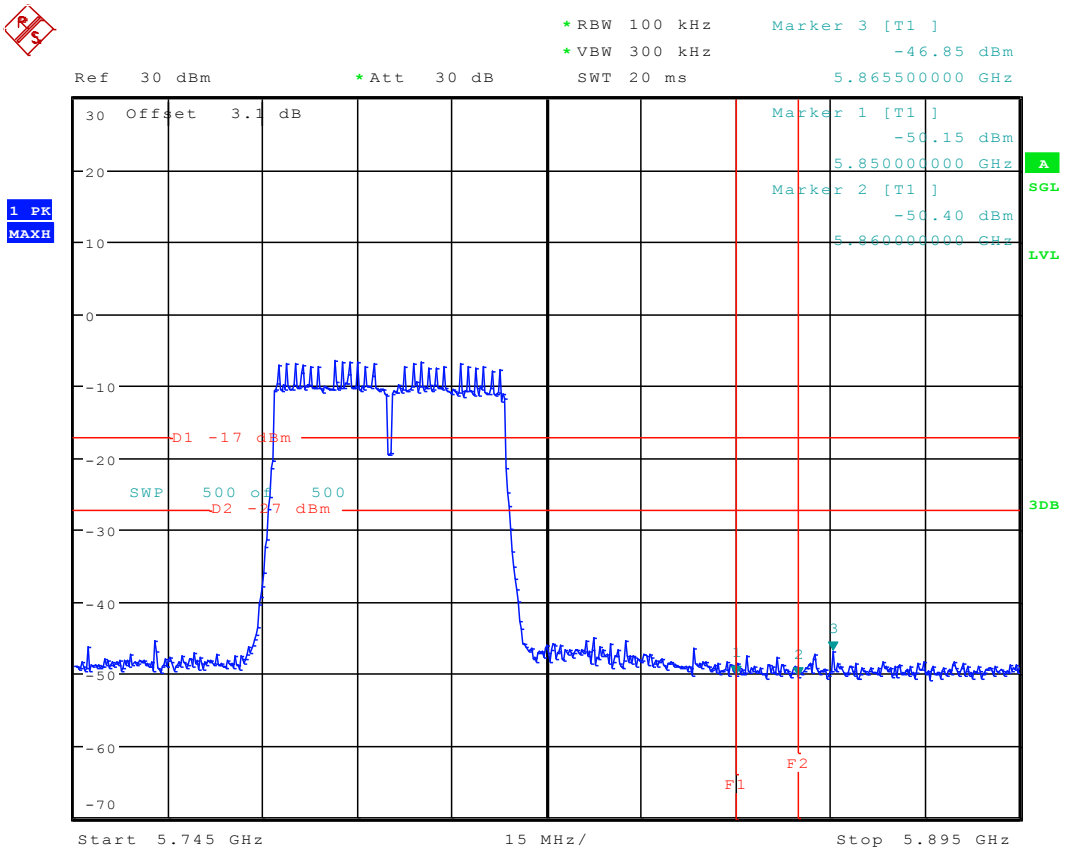
13.143 11AC40M_159 Ant 1



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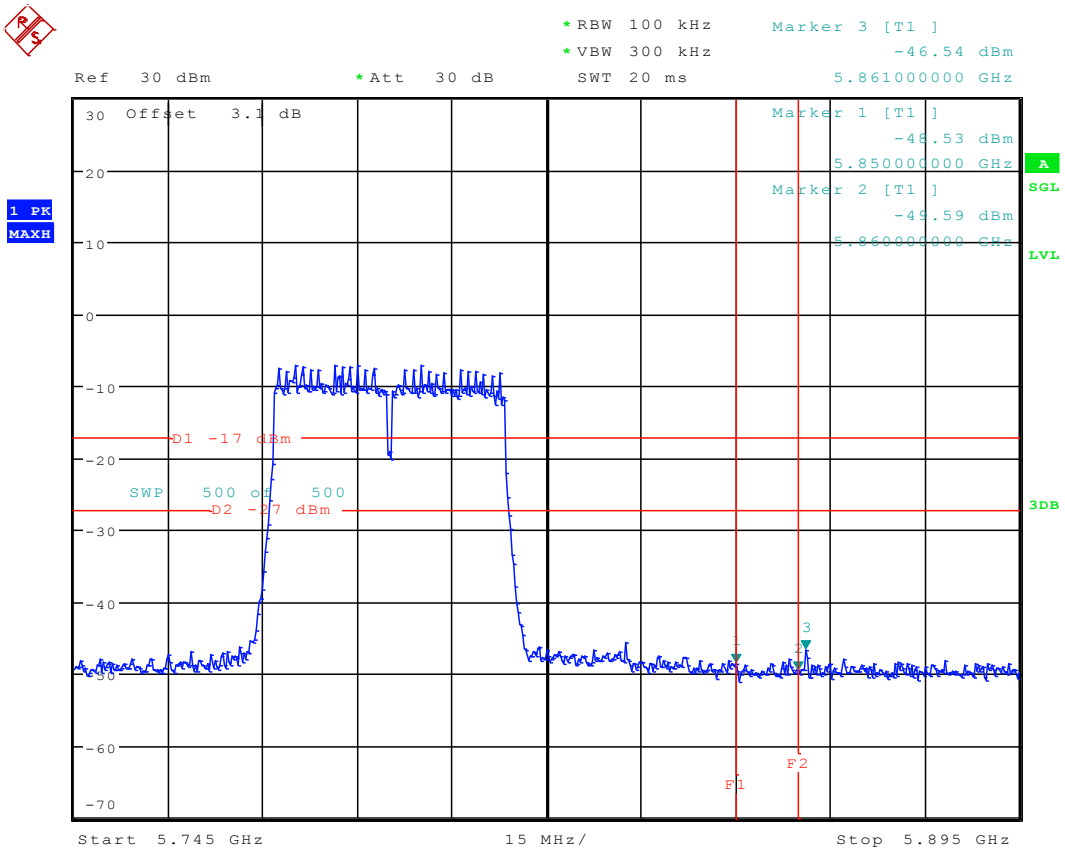
13.144 11AC40M_159 Ant 2



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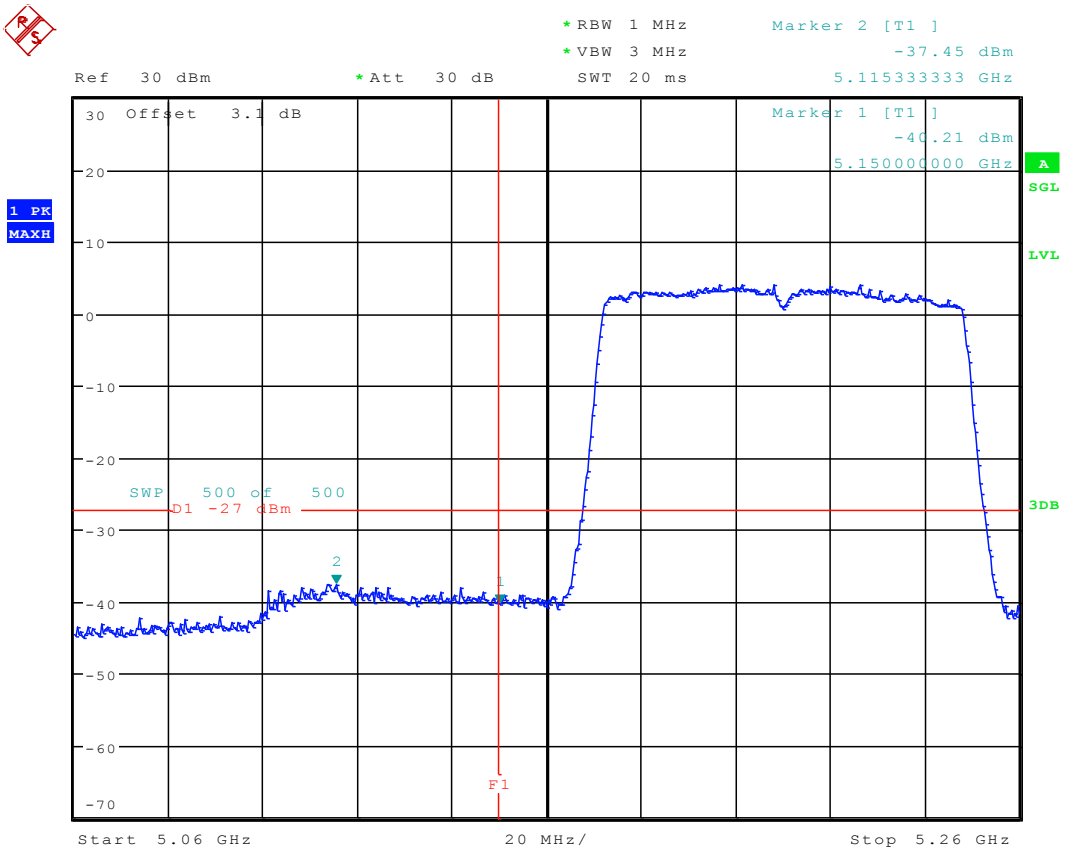
13.145 11AC80_42 Ant 1



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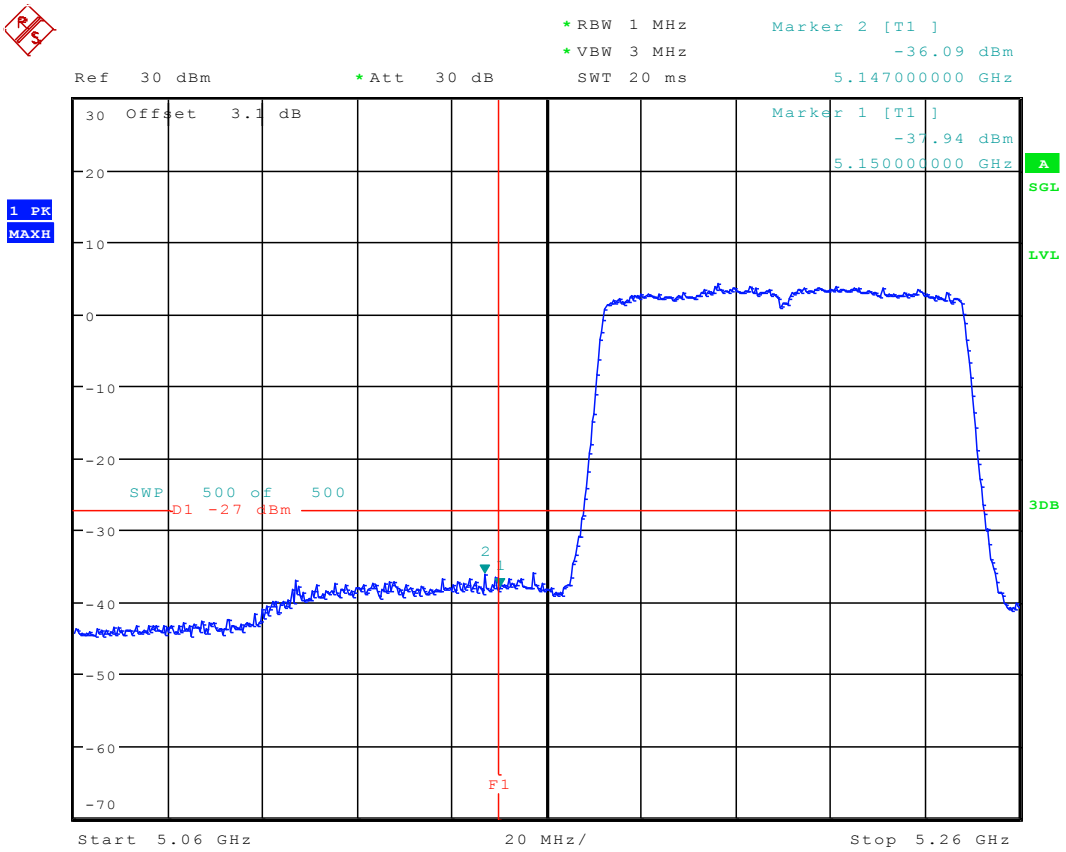
13.146 11AC80_42 Ant 2



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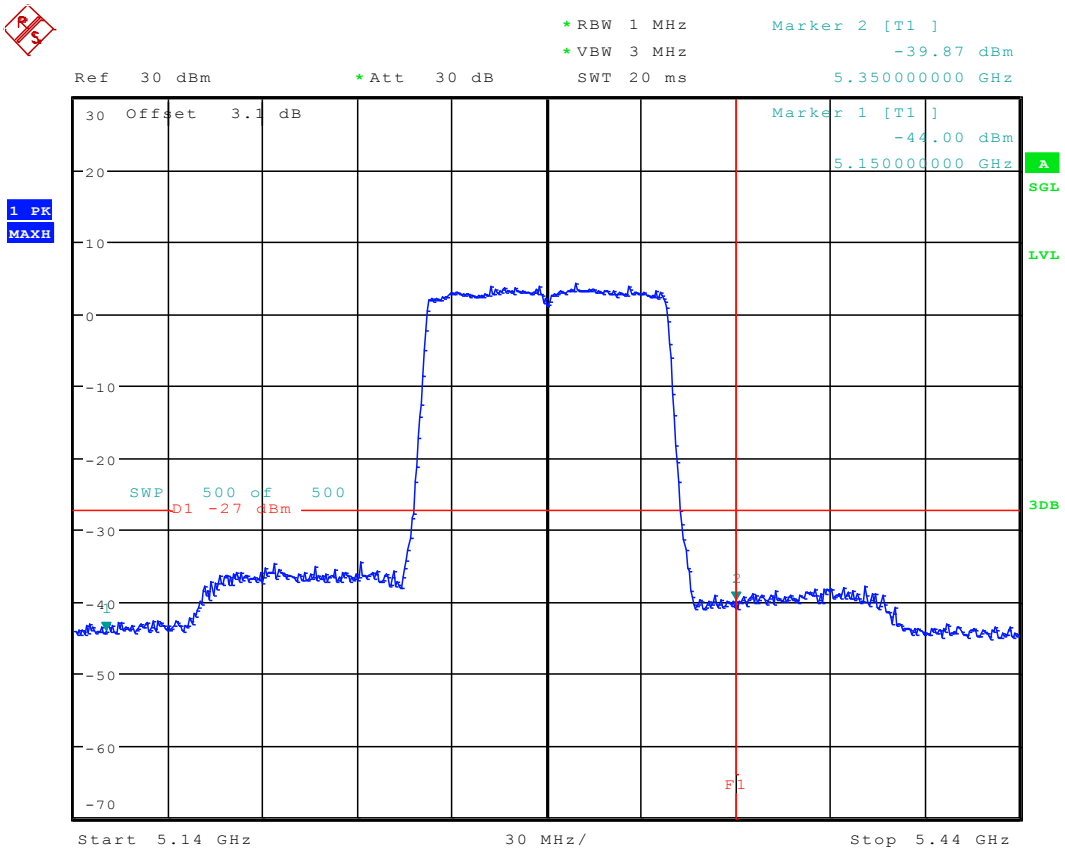
13.147 11AC80_58 Ant 1



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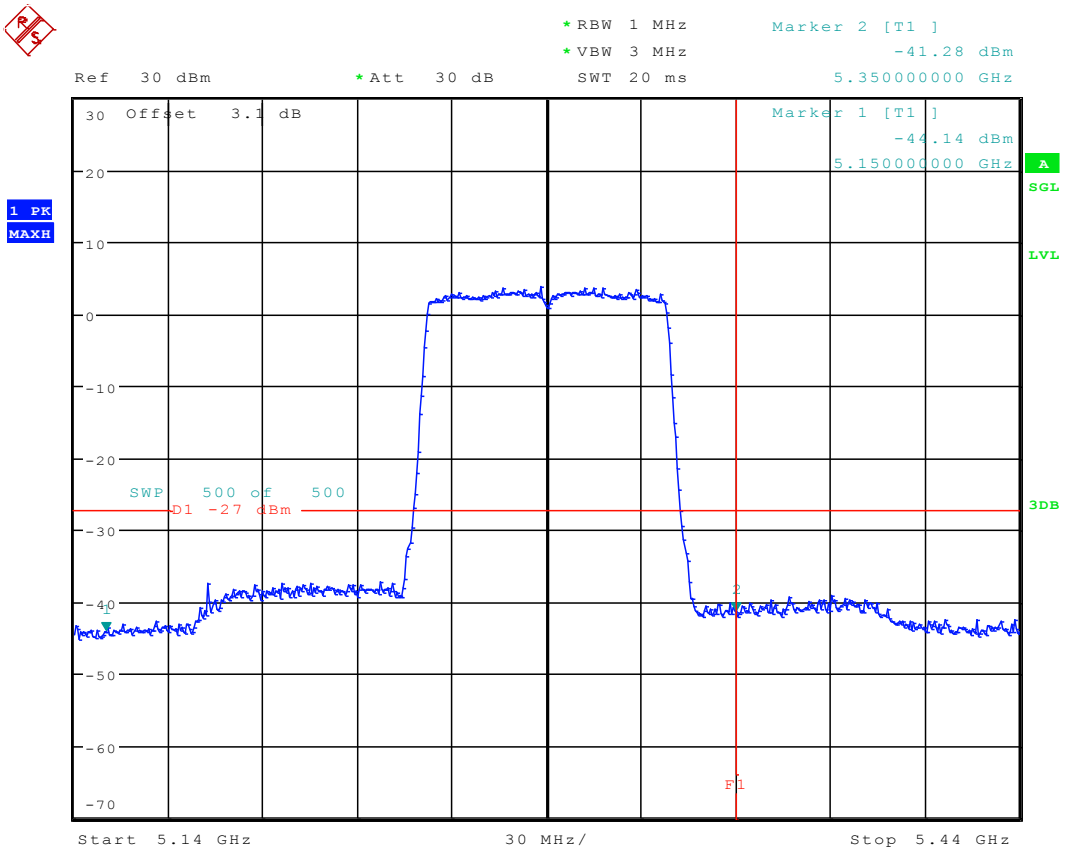
13.148 11AC80_58 Ant 2



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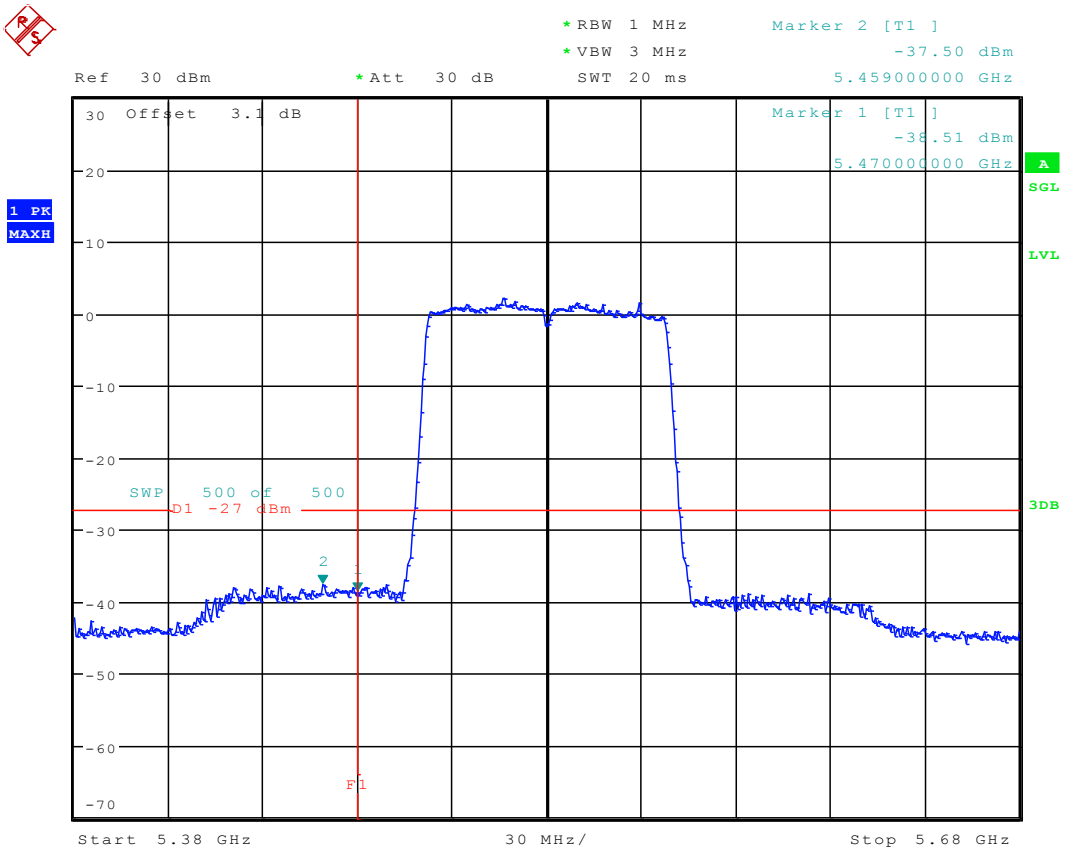
13.149 11AC80_106 Ant 1



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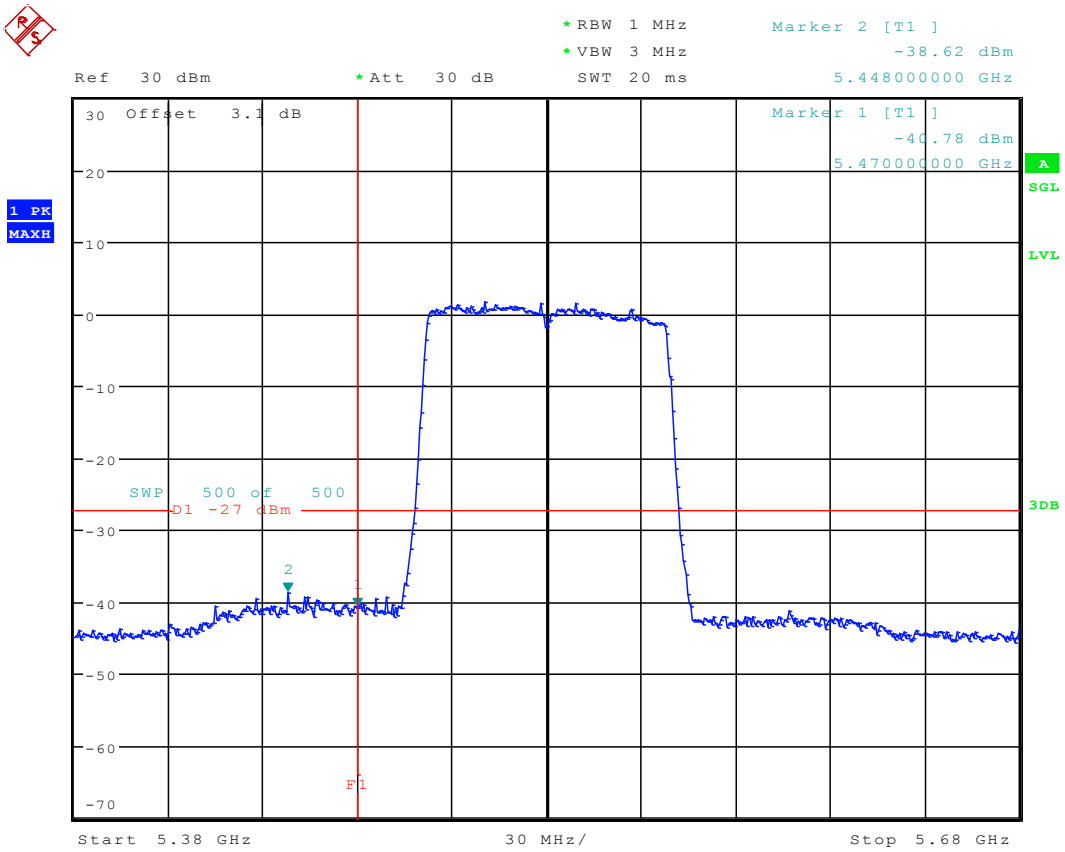
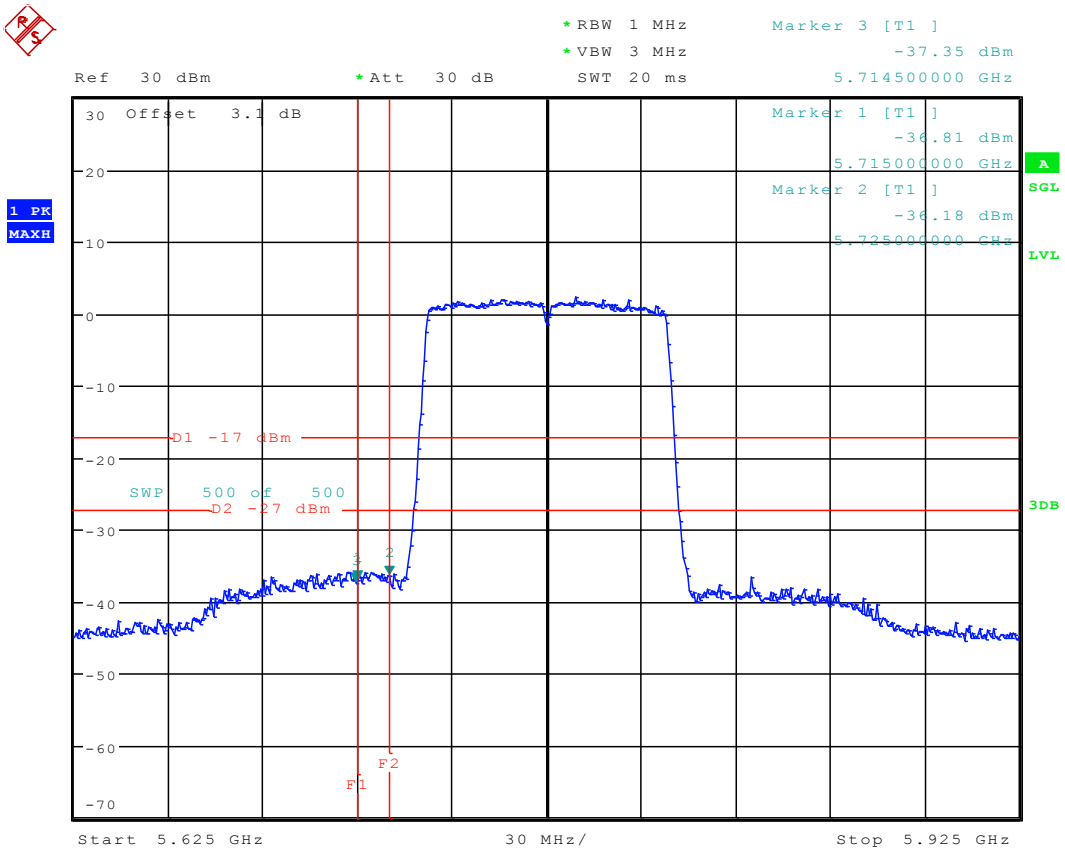
13.150 11AC80_106 Ant 2



Date: 14.MAR.2016 17:10:24

13.151 11AC80_155 Ant 1



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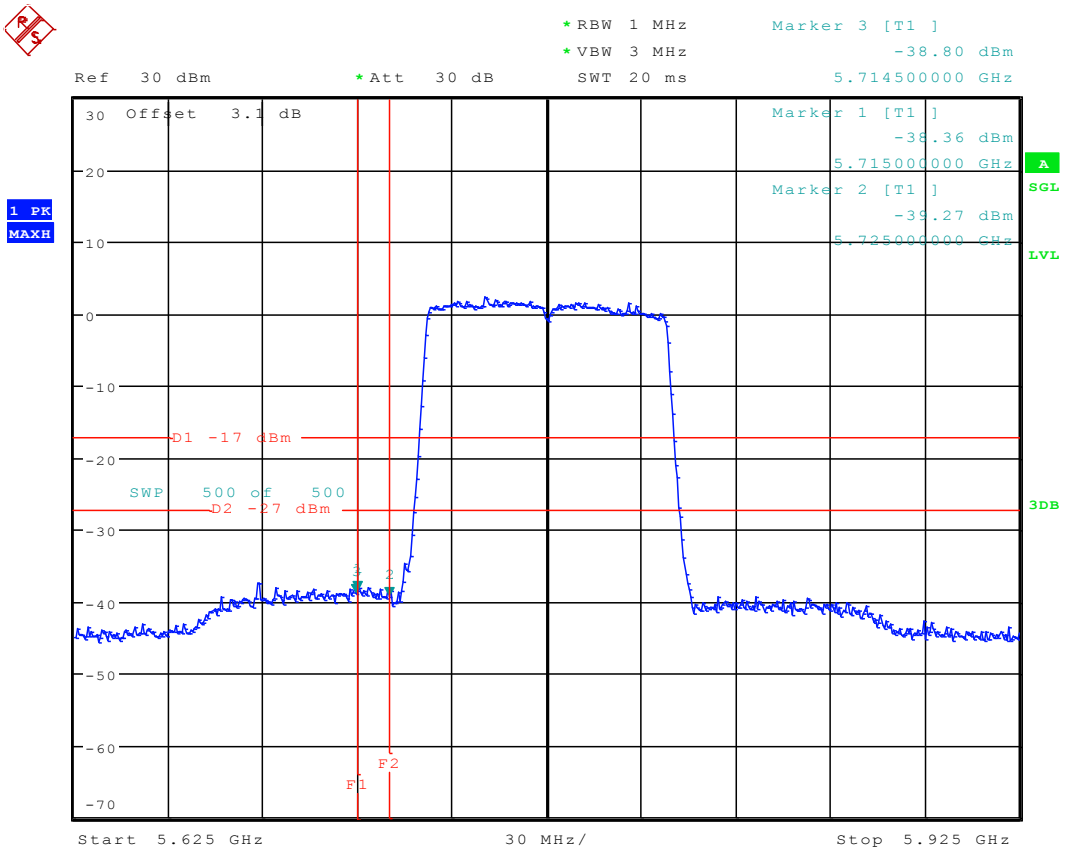
13.152 11AC80_155 Ant 2



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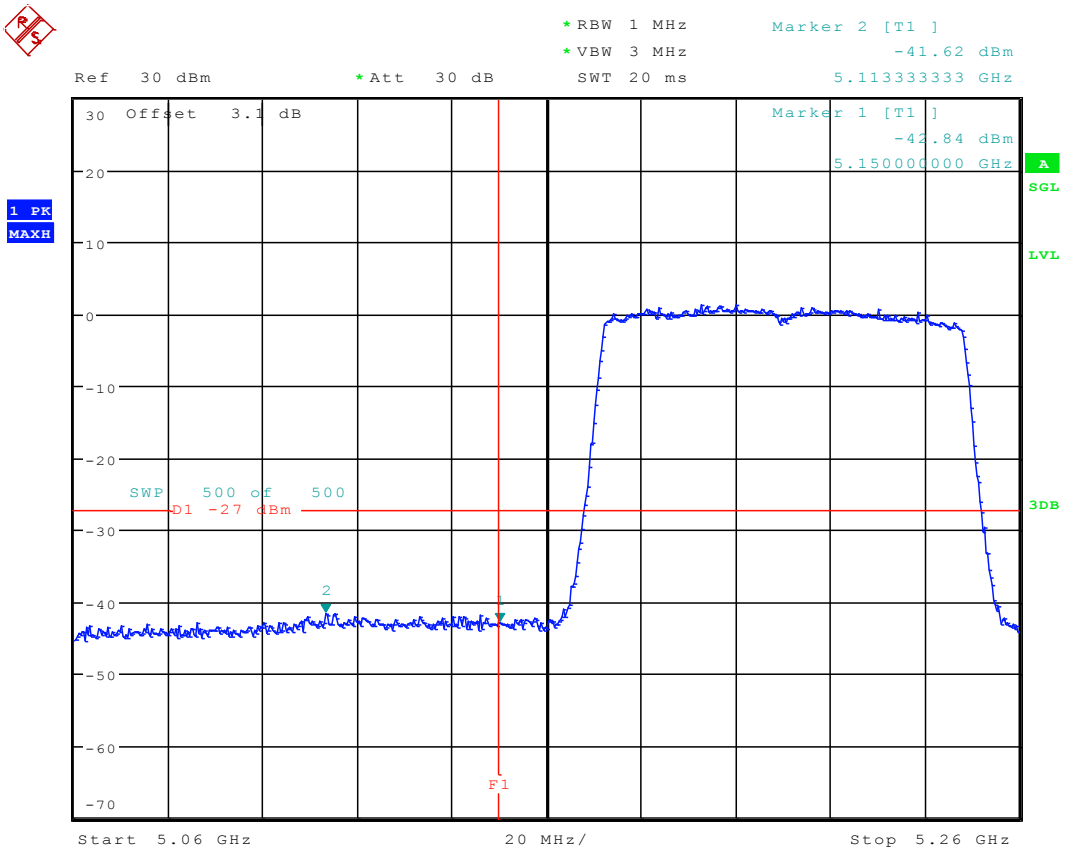
13.153 11AC80M_42 Ant 1



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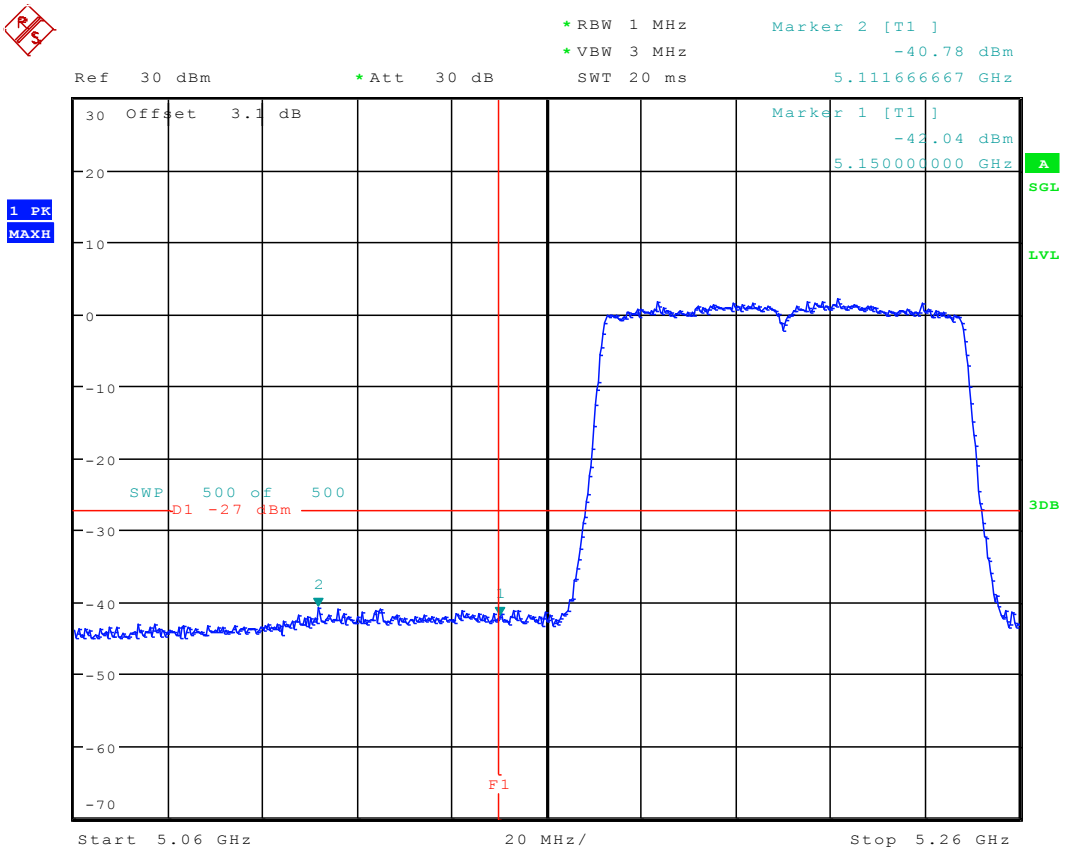
13.154 11AC80M_42 Ant 2



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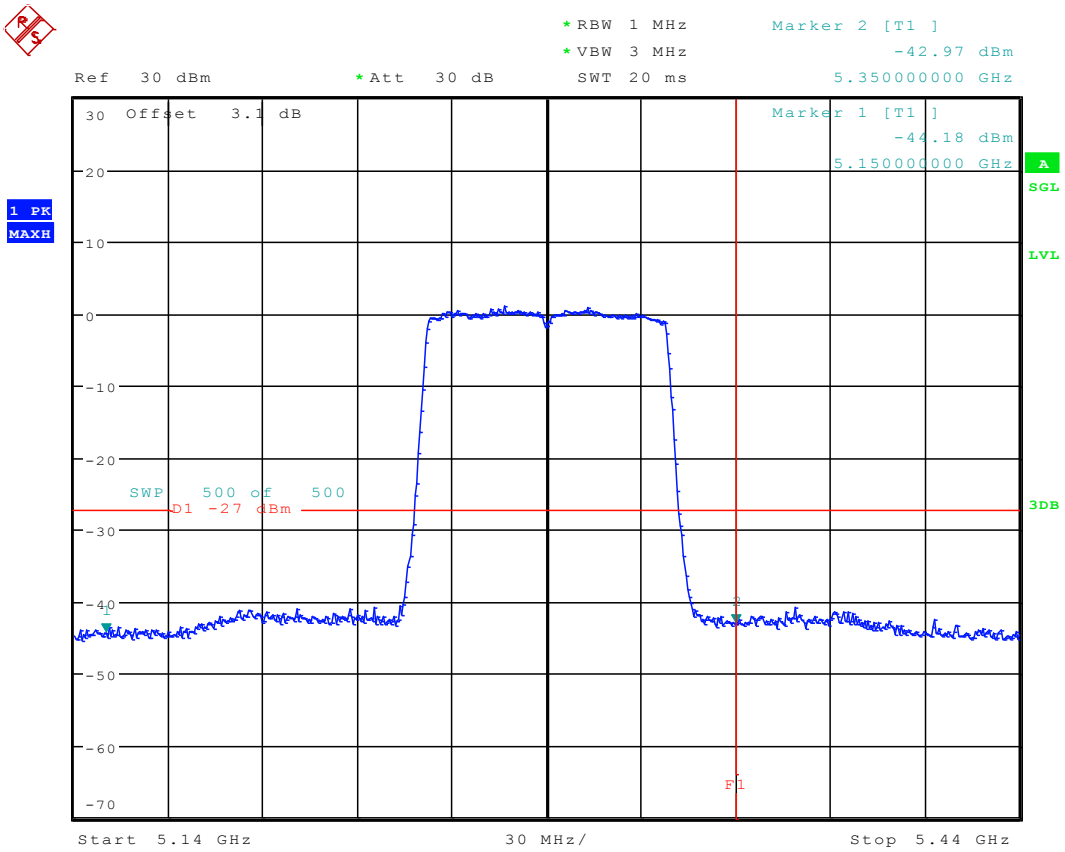
13.155 11AC80M_58 Ant 1



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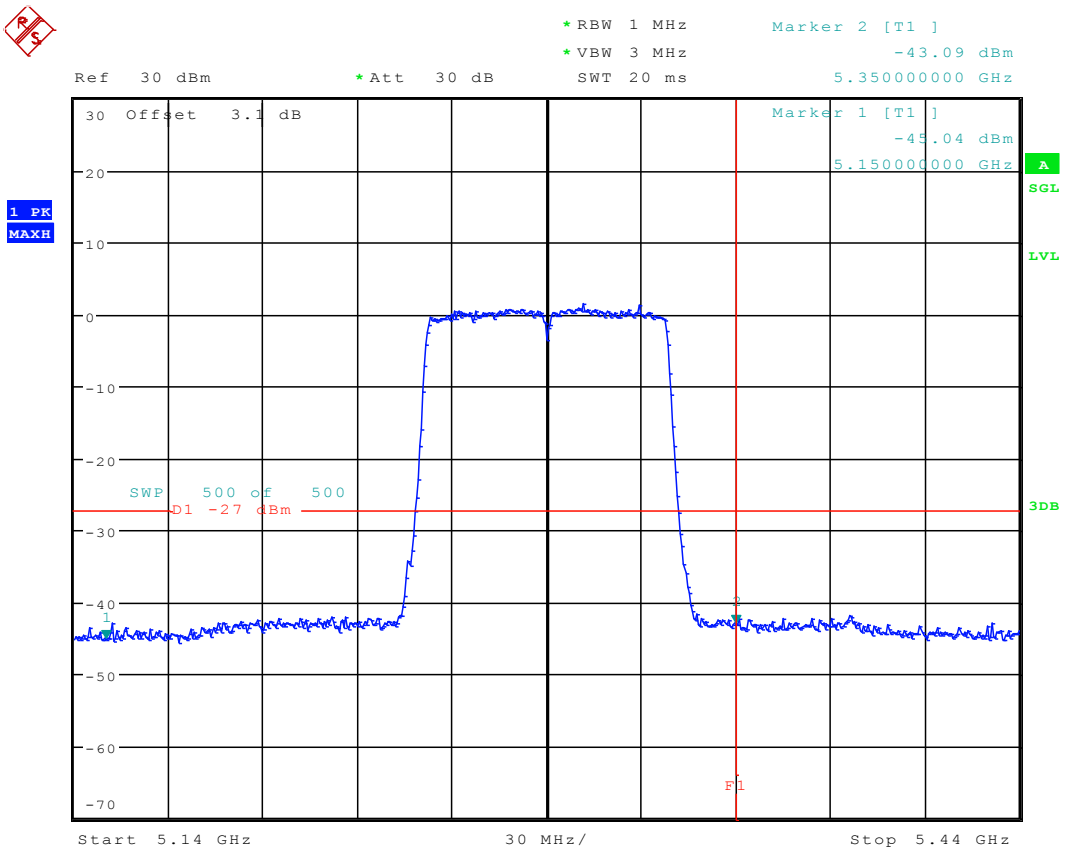
13.156 11AC80M_58 Ant 2



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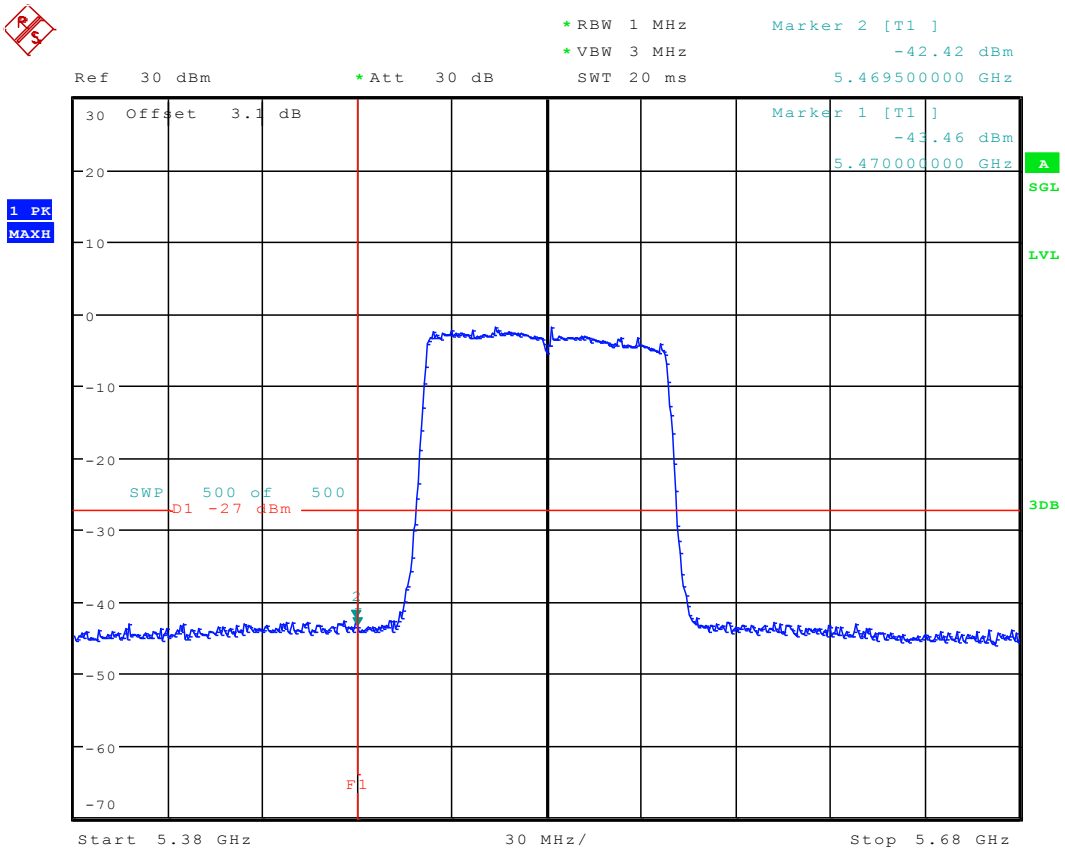
13.157 11AC80M_106 Ant 1



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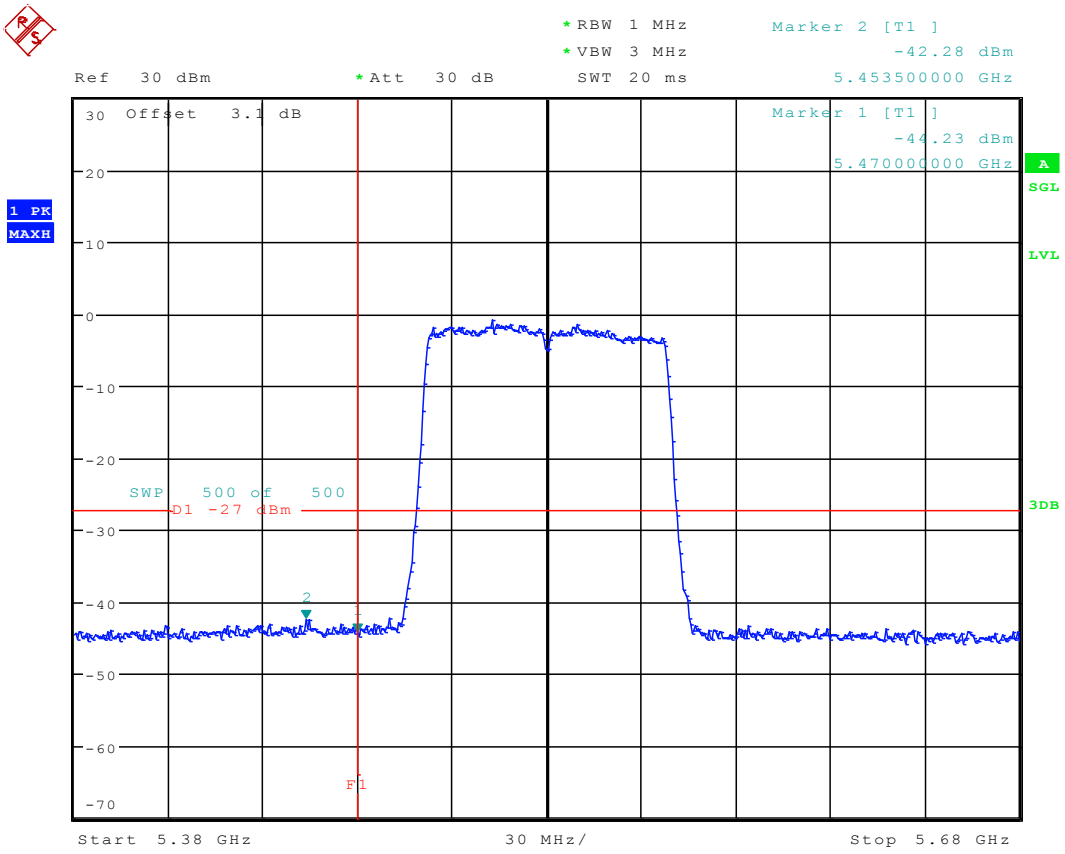
13.158 11AC80M_106 Ant 2



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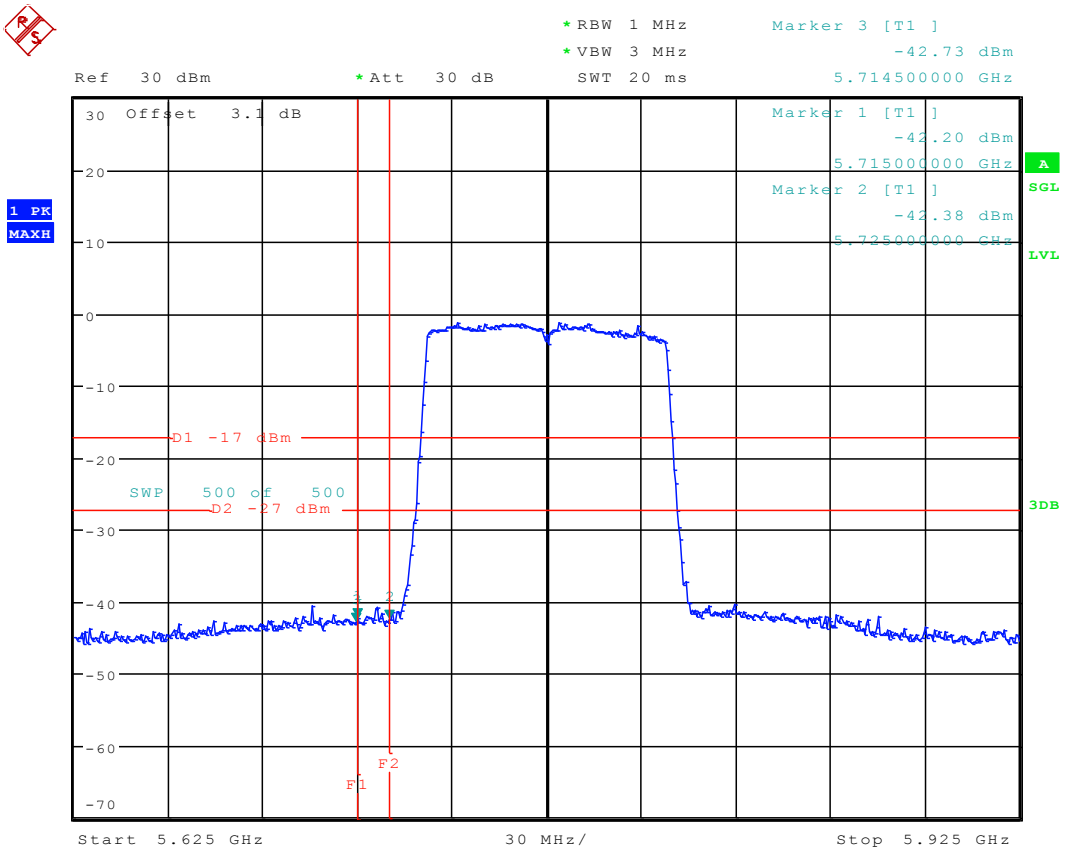
13.159 11AC80M_155 Ant 1



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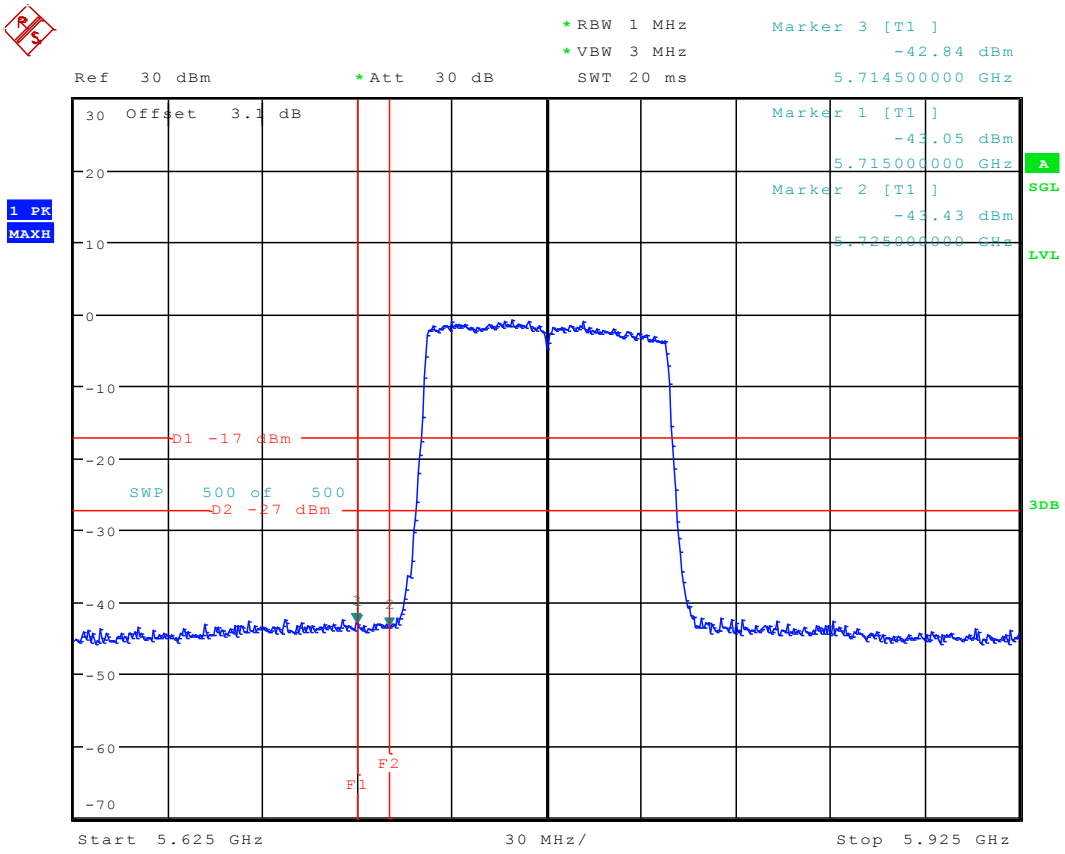
13.160 11AC80M_155 Ant 2



Date: 16.MAR.2016 16:56:31

Appendix G: Frequencies Stability

Frequency Error vs. Voltage:

Test Conditions	Measured Fequency (MHz)
	5180
V nom(V)	5180.0077
V max(V)	5180.0081
V min(V)	5180.0092
Max. Deviation Frequency	0.0092
Max. Frequency Error (ppm)	1.78

Frequency Error vs. Temperature:

Test Conditions (°C)	Measured Fequency (MHz)
	5180
-5	5180.0072
5	5180.0055
15	5180.0039
25	5180.0081
35	5180.0089
45	5180.0051
50	5180.0029
Max. Deviation Frequency	0.0089
Max. Frequency Error (ppm)	1.72

Frequency Error vs. Voltage:

Test Conditions	Measured Fequency (MHz)
	5825
V nom(V)	5825.0055
V max(V)	5825.0047
V min(V)	5825.0059
Max. Deviation Frequency	0.0059
Max. Frequency Error (ppm)	1.01

Frequency Error vs. Temperature:

Test Conditions (°C)	Measured Fequency (MHz)
	5825
-5	5825.0033
5	5825.0051
15	5825.0059
25	5825.0062
35	5825.0041
45	5825.0062
50	5825.0071
Max. Deviation Frequency	0.0071
Max. Frequency Error (ppm)	1.22

END