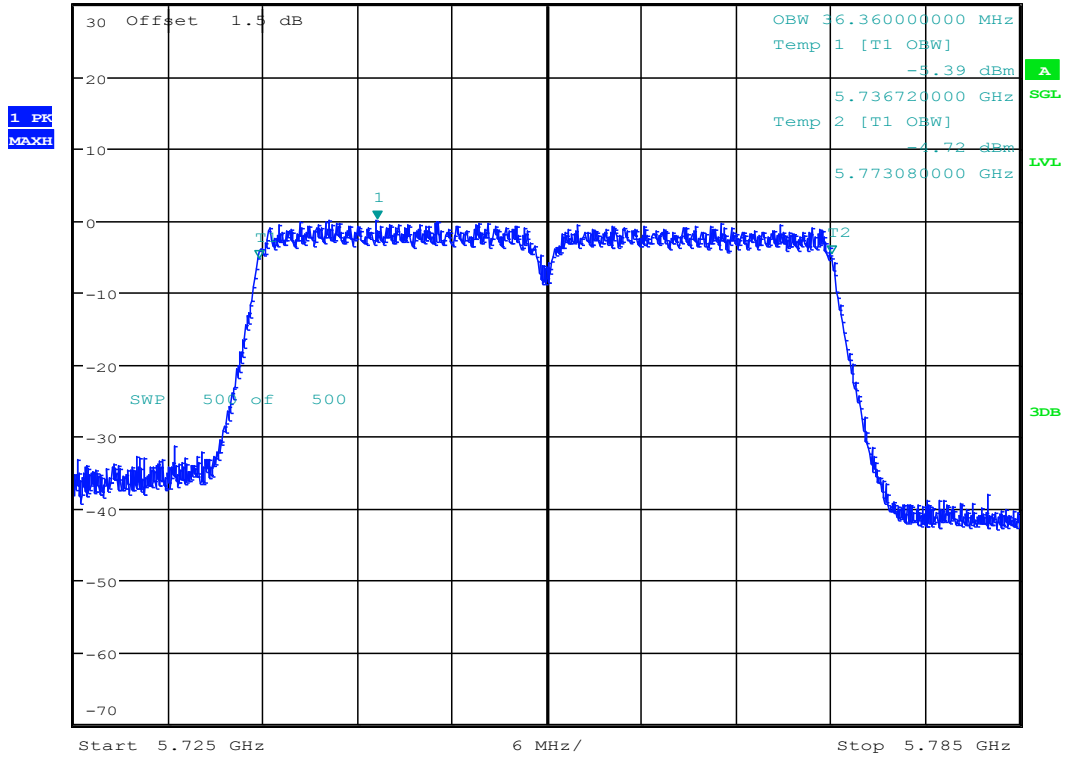




### 6.94 11N40MIMO\_151 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      0.03 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.744200000 GHz



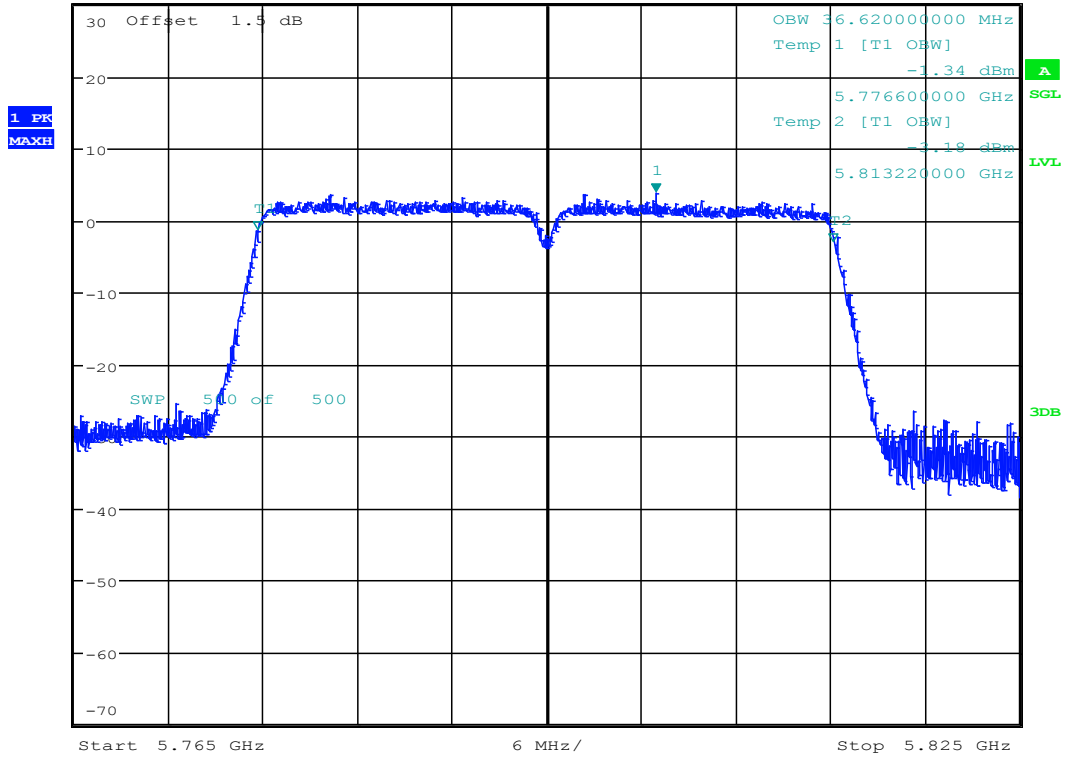
Date: 29.MAR.2018 18:36:53



### 6.95 11N40MIMO\_159 ANT 1



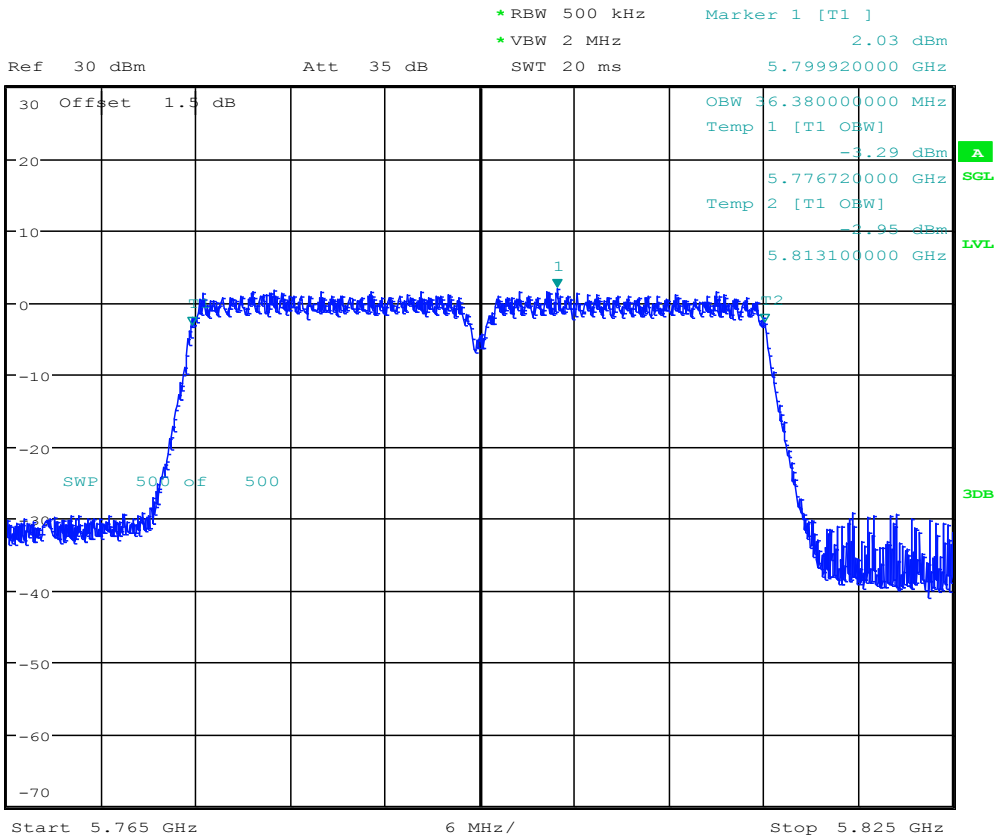
\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      3.84 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.801960000 GHz



Date: 28.MAR.2018 19:03:49



### 6.96 11N40MIMO\_159 ANT 2



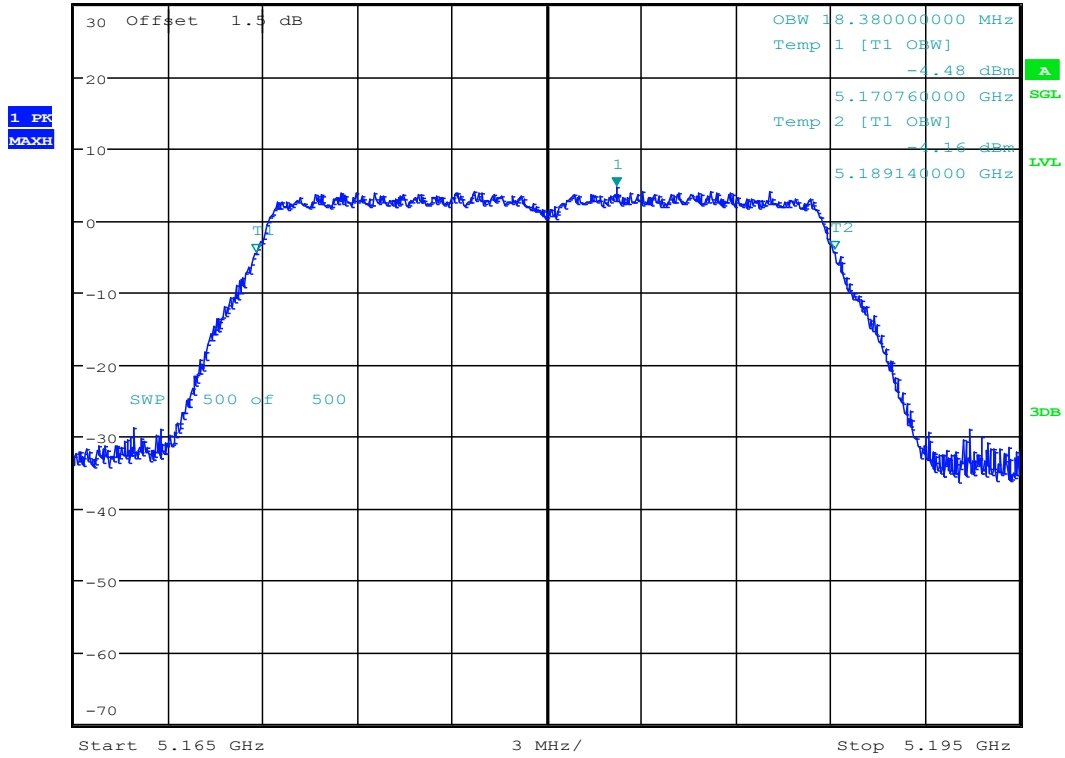
Date: 29.MAR.2018 18:40:08



### 6.97 11AC20\_36 ANT 1



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      4.74 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.182200000 GHz



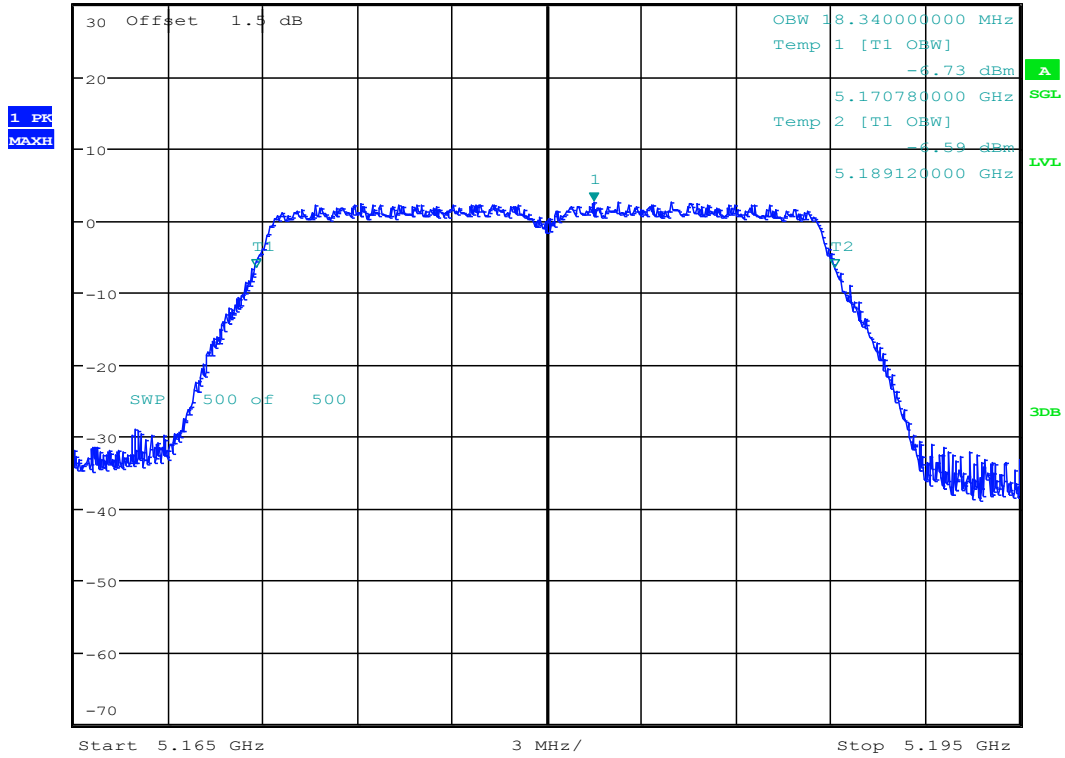
Date: 28.MAR.2018 16:10:48



### 6.98 11AC20\_36 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      2.62 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.181480000 GHz



Date: 29.MAR.2018 15:05:09



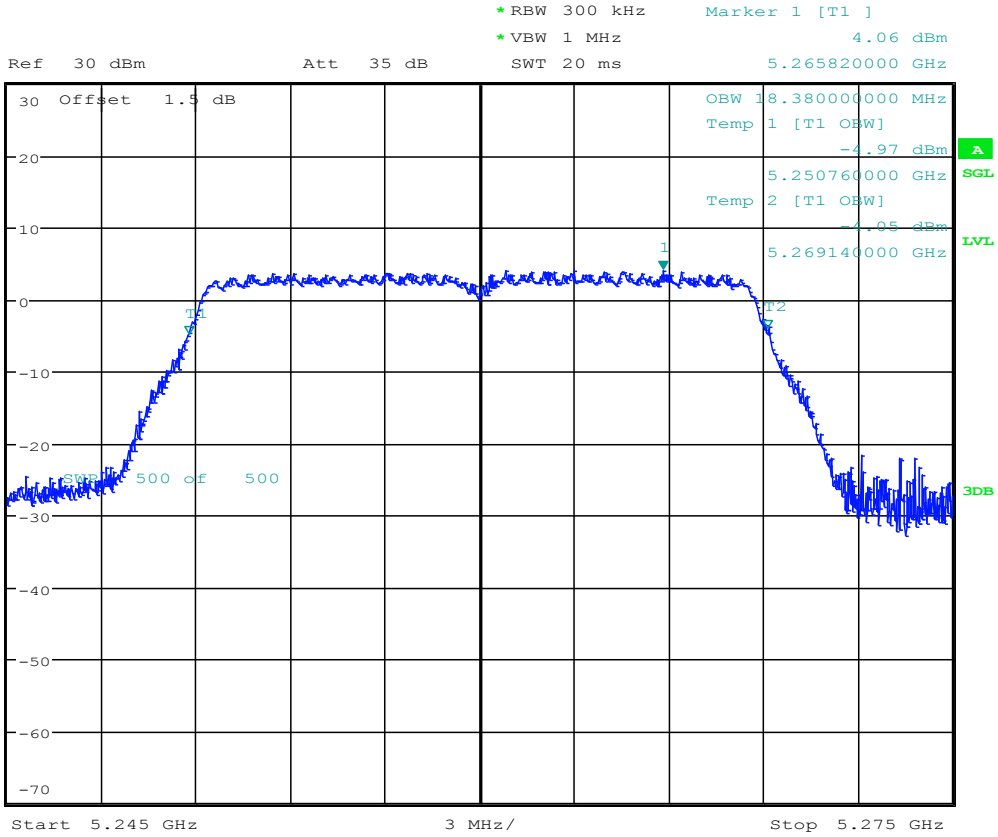








### 6.102 11AC20\_52 ANT 2



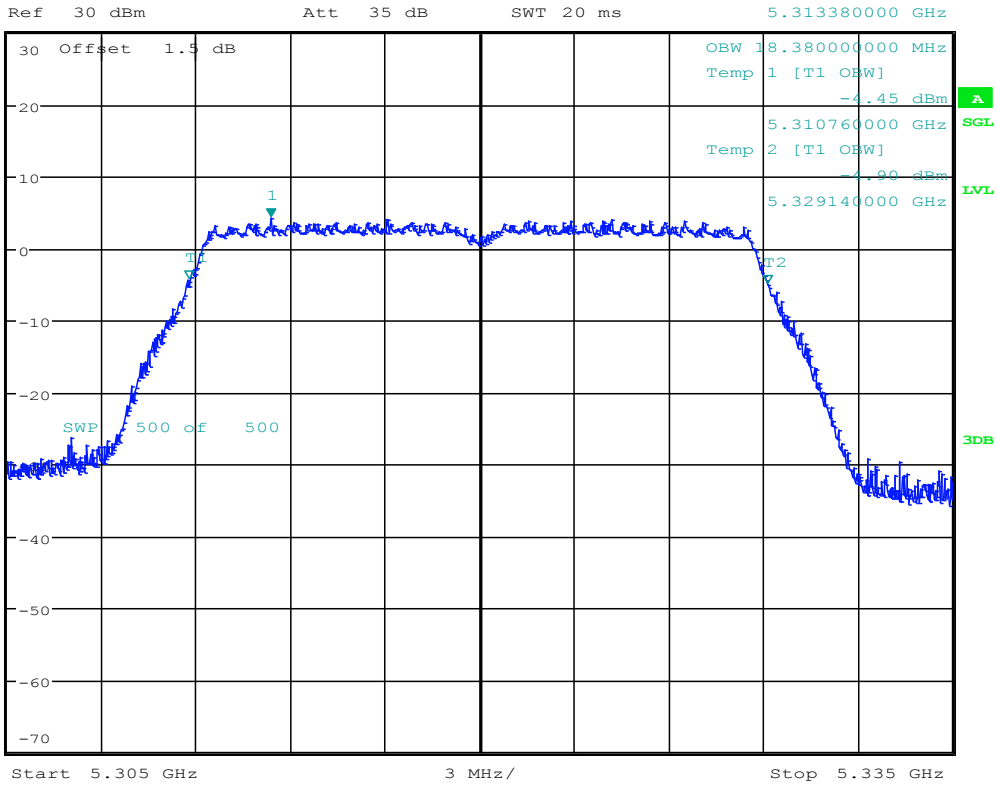
Date: 29.MAR.2018 15:14:28



6.103 11AC20\_64 ANT 1



\*RBW 300 kHz Marker 1 [T1 ]  
\*VBW 1 MHz 4.33 dBm  
SWT 20 ms 5.313380000 GHz



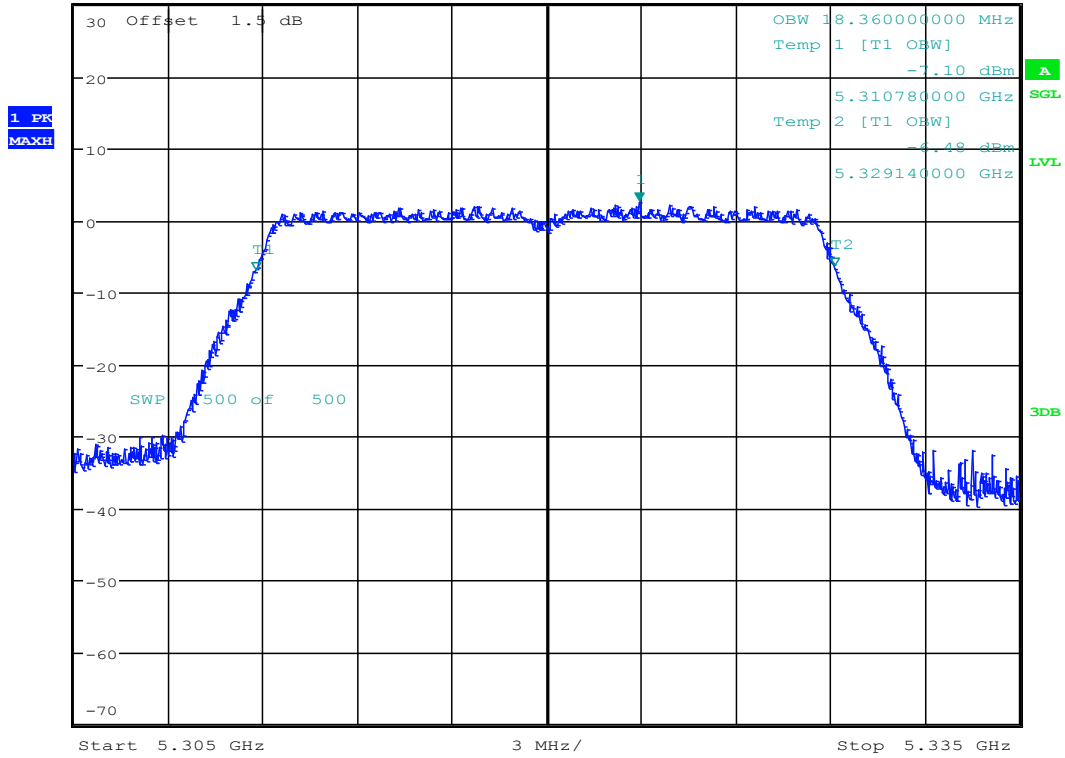
Date: 28.MAR.2018 16:28:03



### 6.104 11AC20\_64 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      2.53 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.322920000 GHz



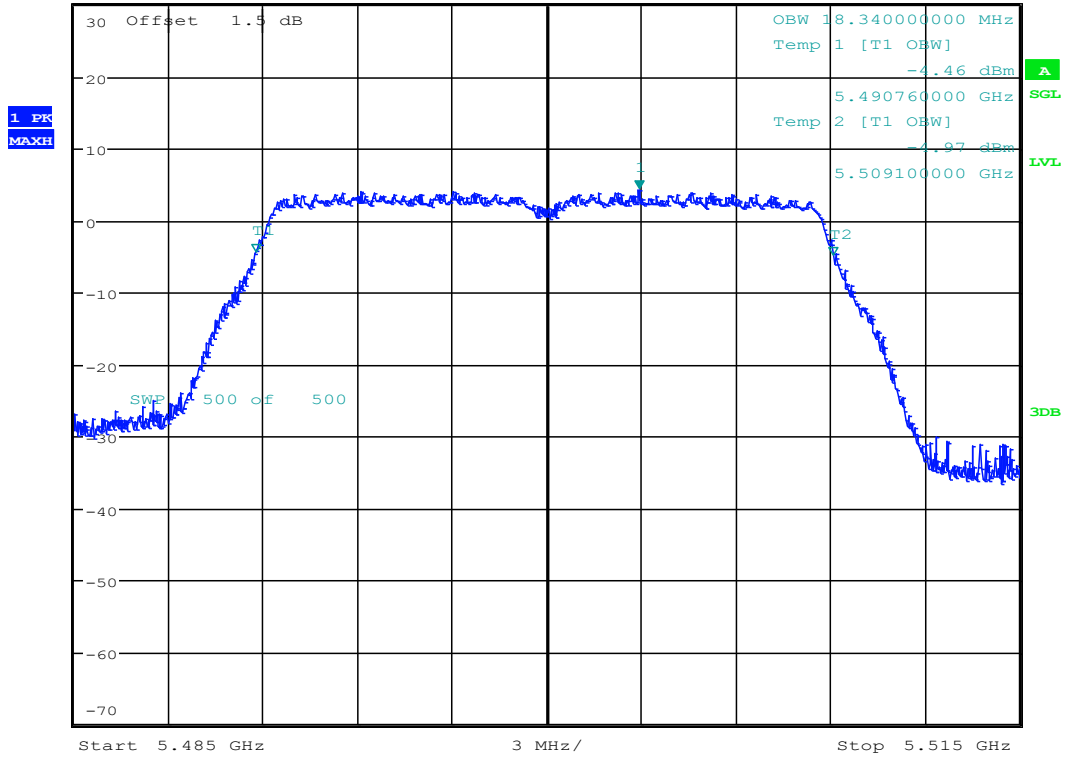
Date: 29.MAR.2018 15:17:25



### 6.105 11AC20\_100 ANT 1



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      4.37 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.502920000 GHz



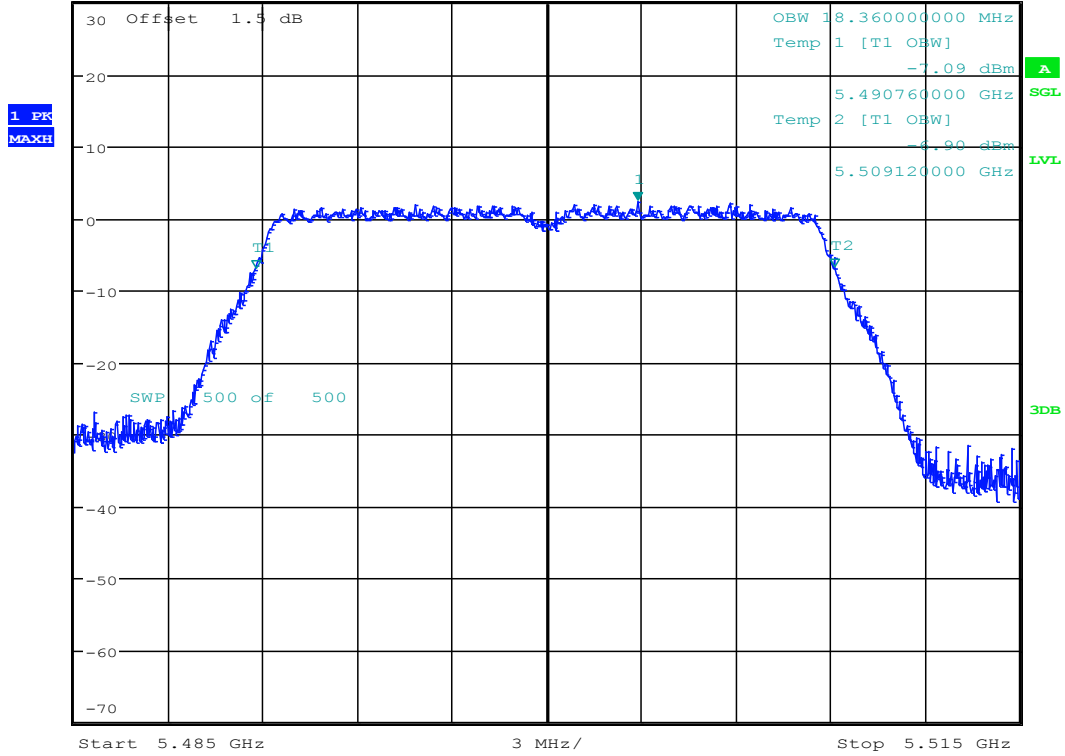
Date: 28.MAR.2018 16:30:44



### 6.106 11AC20\_100 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      2.31 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.502900000 GHz



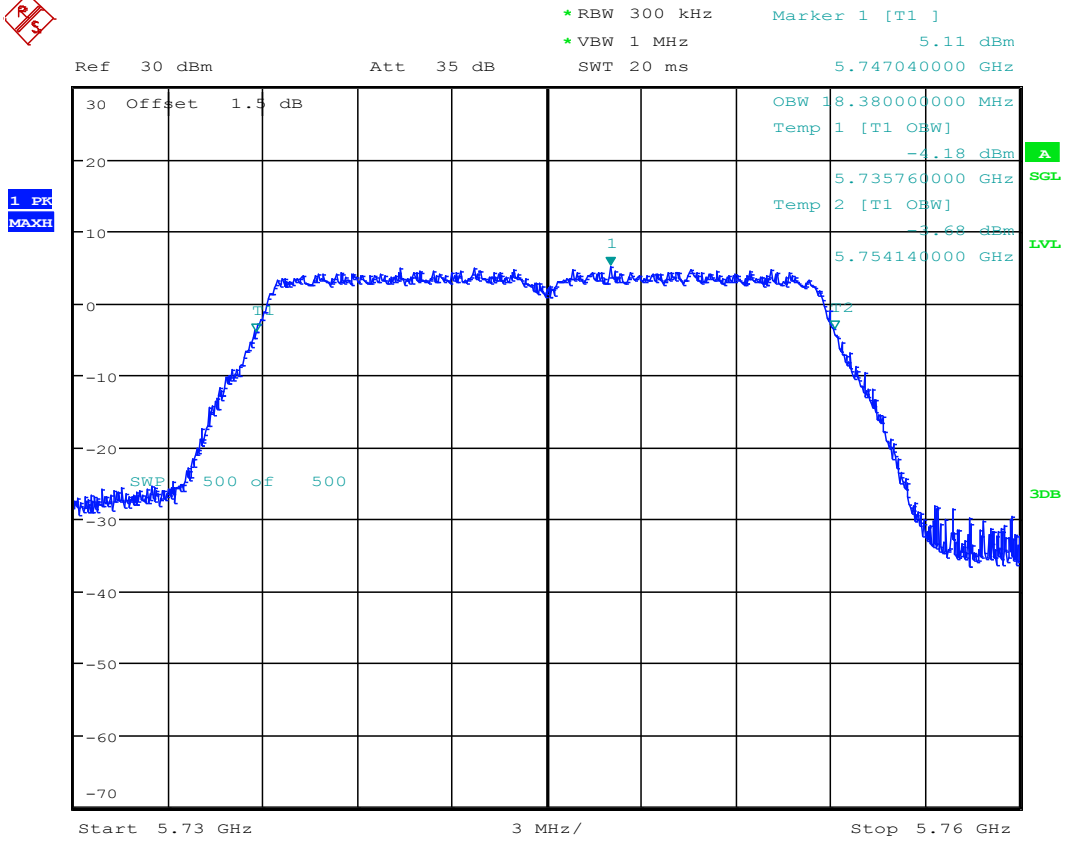
Date: 29.MAR.2018 15:20:31







### 6.109 11AC20\_149 ANT 1



Date: 28.MAR.2018 16:41:36

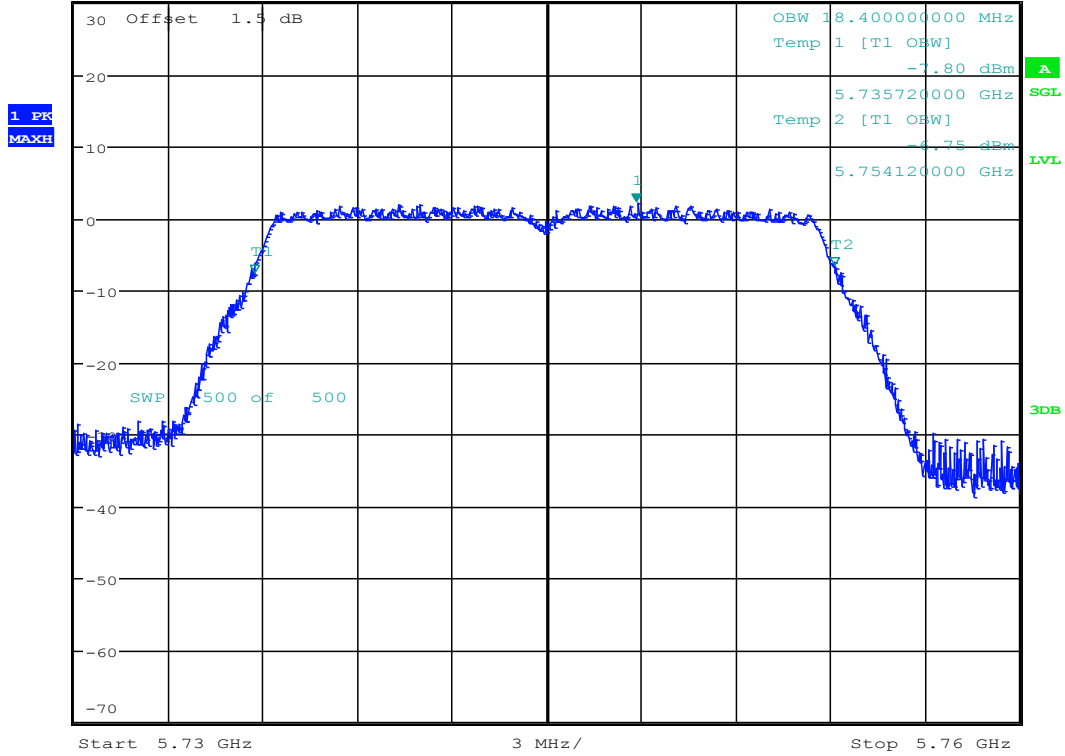




### 6.110 11AC20\_149 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      2.06 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.747860000 GHz



Date: 29.MAR.2018 15:29:31

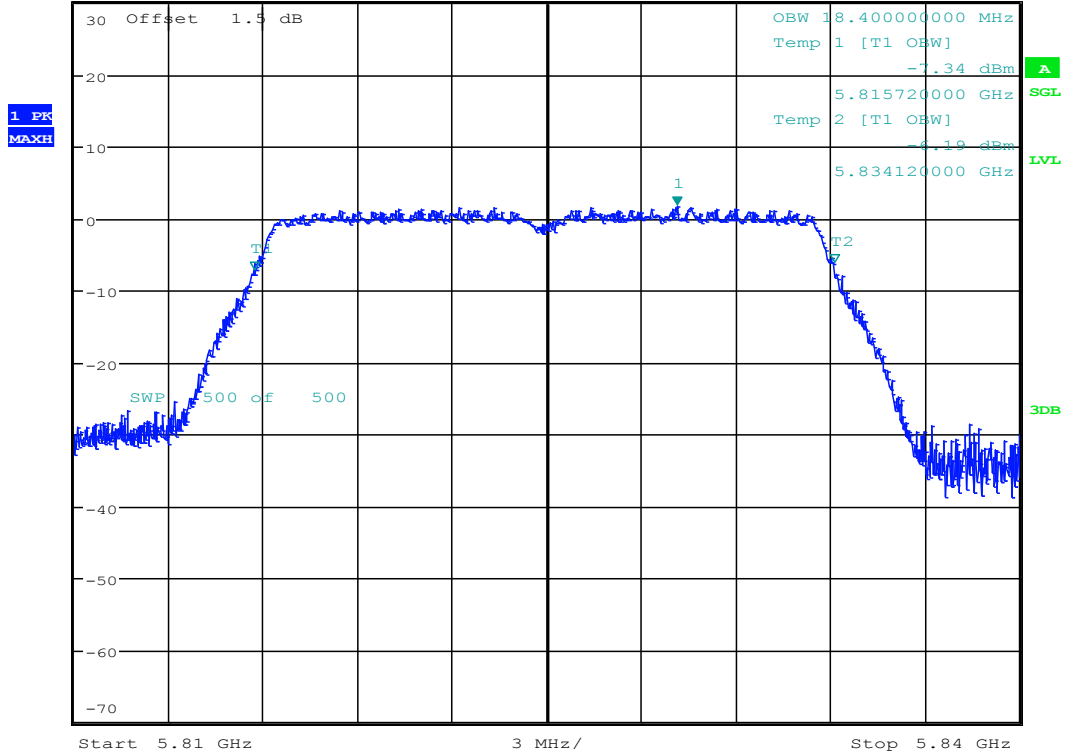




### 6.112 11AC20\_165 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      1.65 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.829120000 GHz



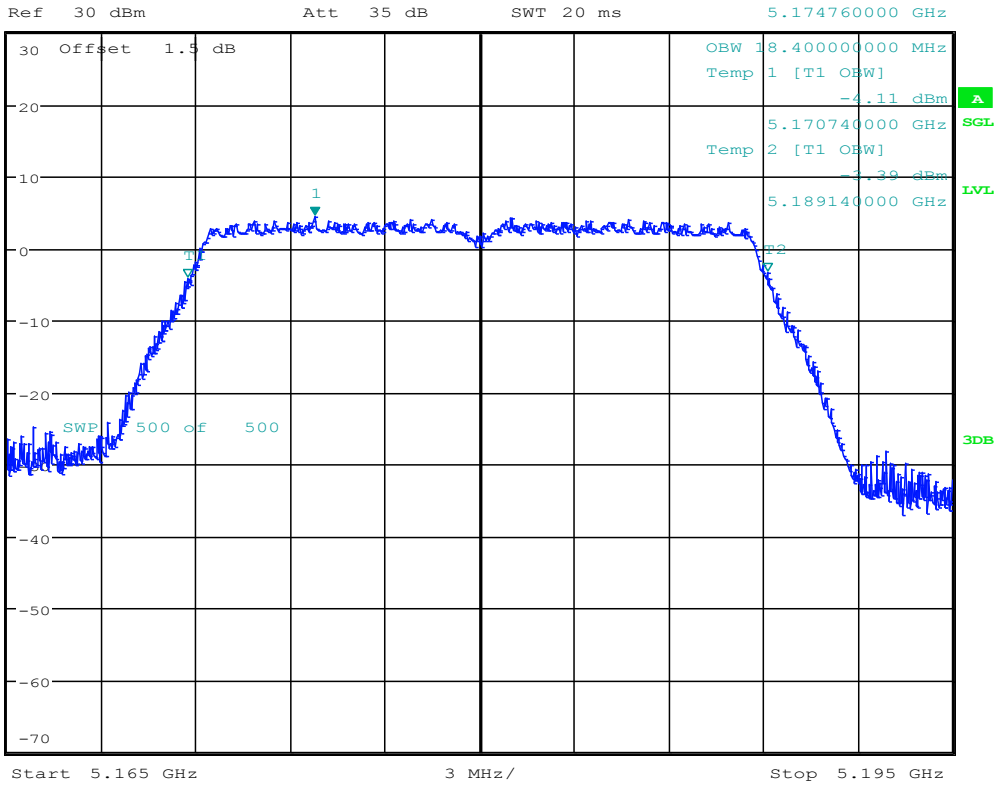
Date: 29.MAR.2018 15:34:08



### 6.113 11AC20MIMO\_36 ANT 1



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      4.43 dBm  
 SWT 20 ms      5.174760000 GHz



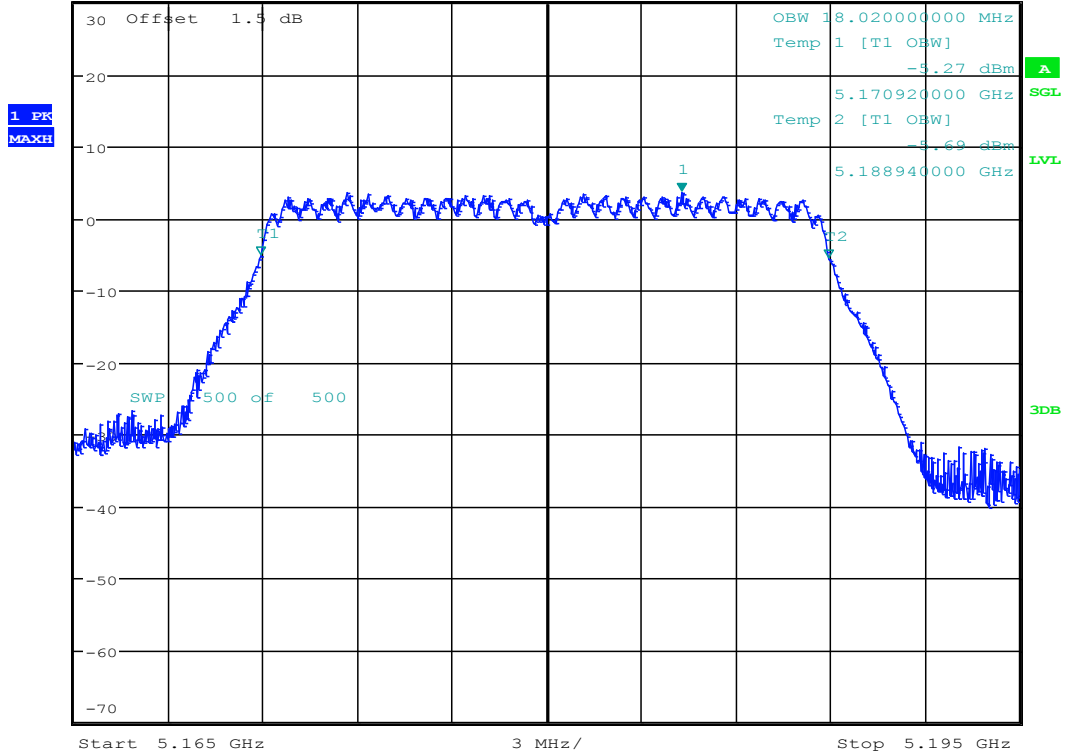
Date: 28.MAR.2018 19:07:20



### 6.114 11AC20MIMO\_36 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      3.66 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.184280000 GHz



Date: 29.MAR.2018 18:44:13

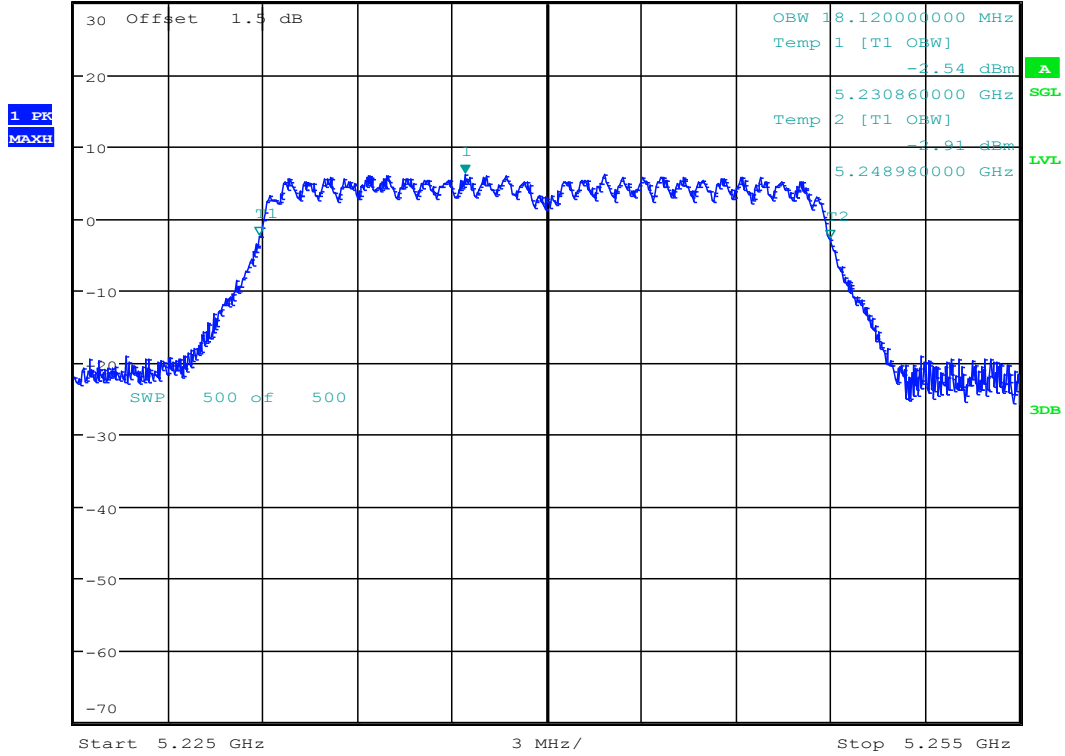




### 6.116 11AC20MIMO\_48 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      6.18 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.237420000 GHz



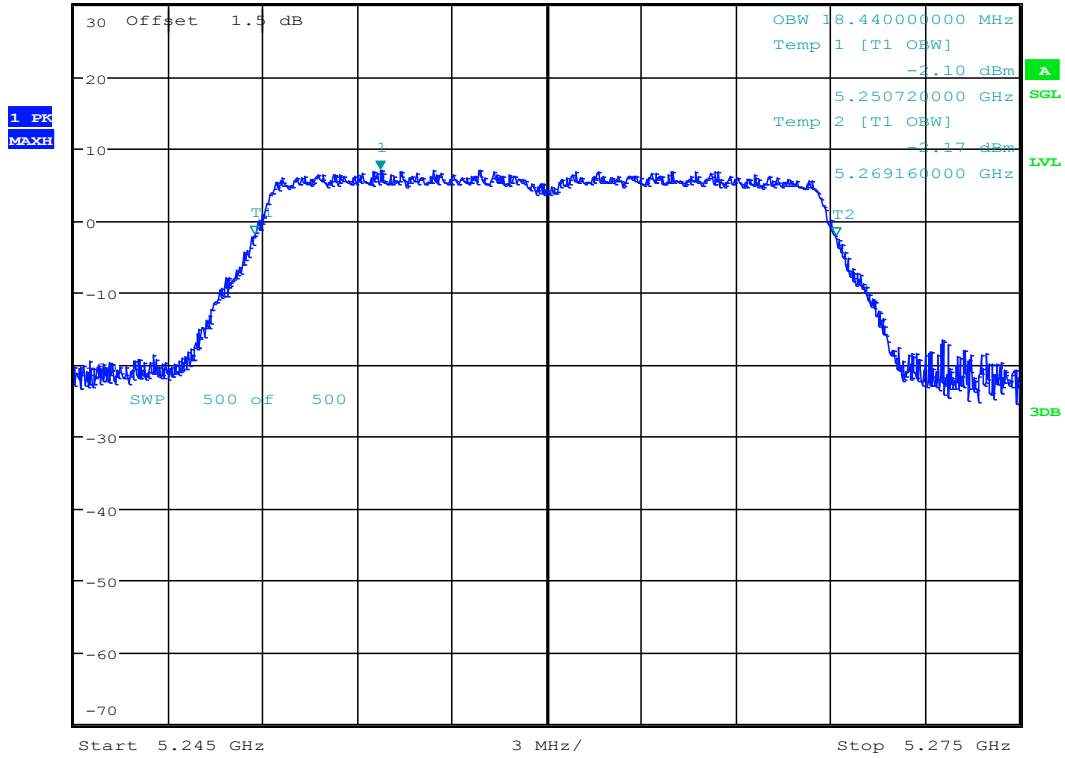
Date: 29.MAR.2018 18:46:39



### 6.117 11AC20MIMO\_52 ANT 1



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      7.08 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.254720000 GHz

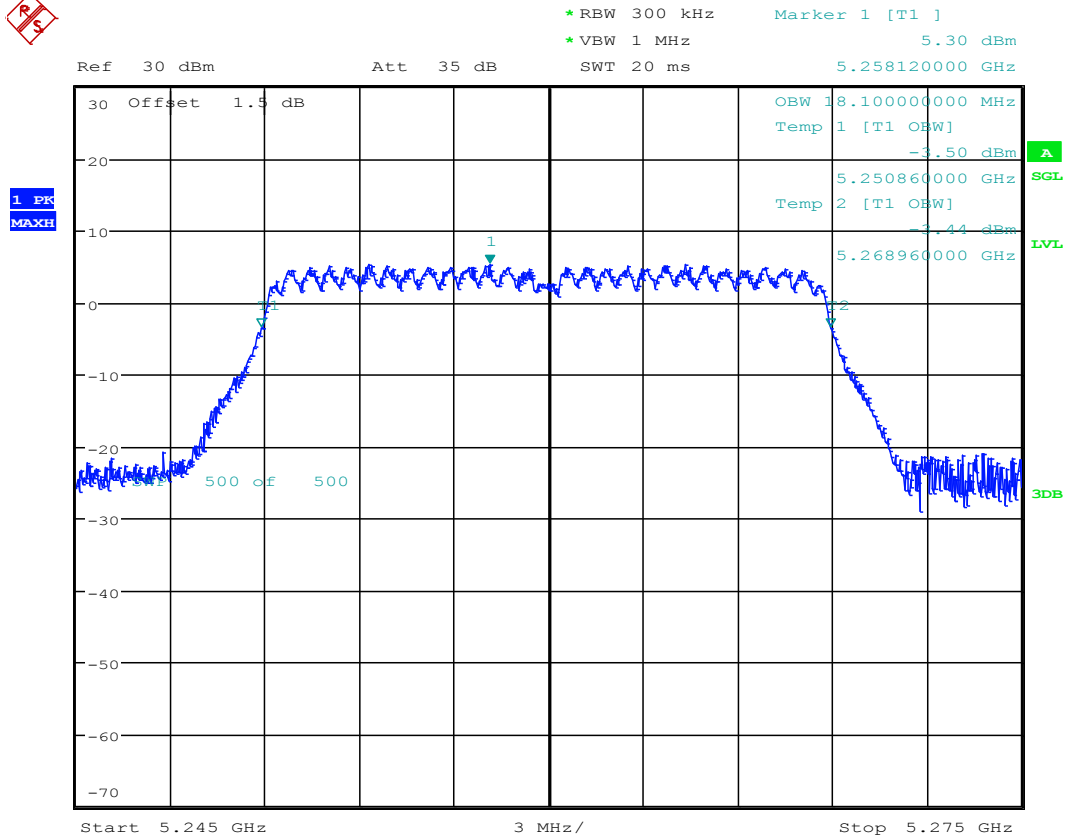


Date: 28.MAR.2018 19:12:35





### 6.118 11AC20MIMO\_52 ANT 2



Date: 29.MAR.2018 18:49:21

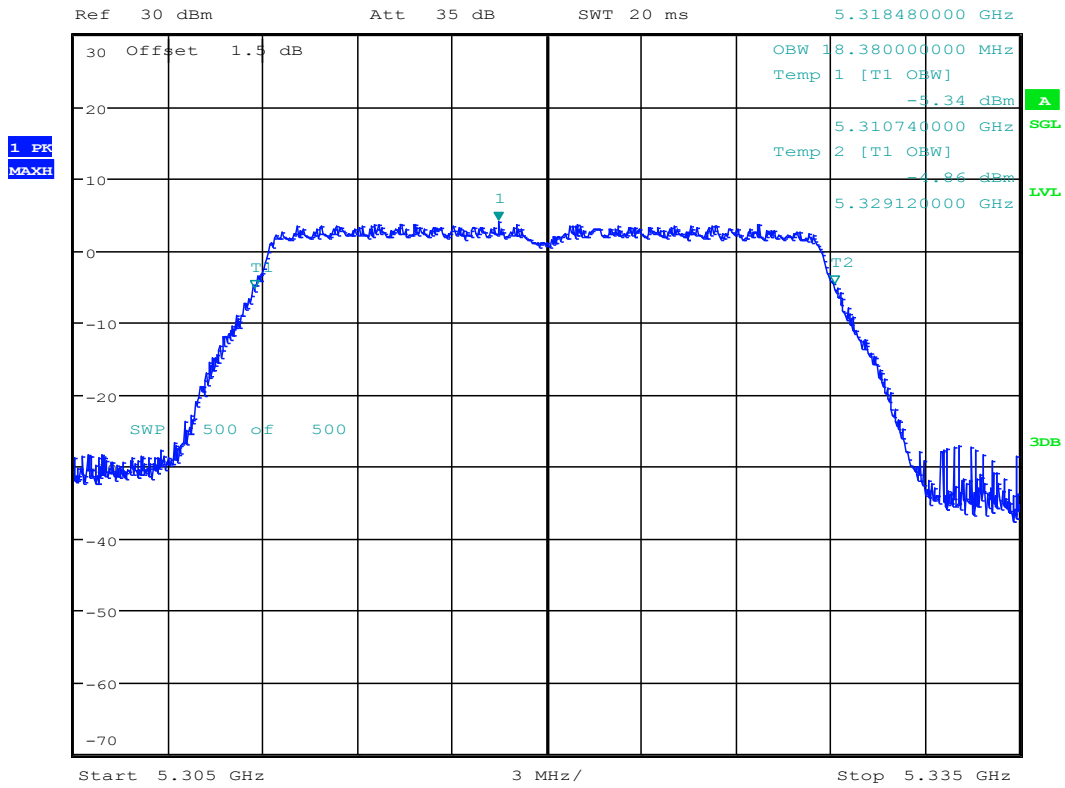


### 6.119 11AC20MIMO\_64 ANT 1



\* RBW 300 kHz  
\* VBW 1 MHz  
SWT 20 ms

Marker 1 [T1 ]  
3.96 dBm  
5.318480000 GHz



Date: 28.MAR.2018 19:14:57



### 6.120 11AC20MIMO\_64 ANT 2



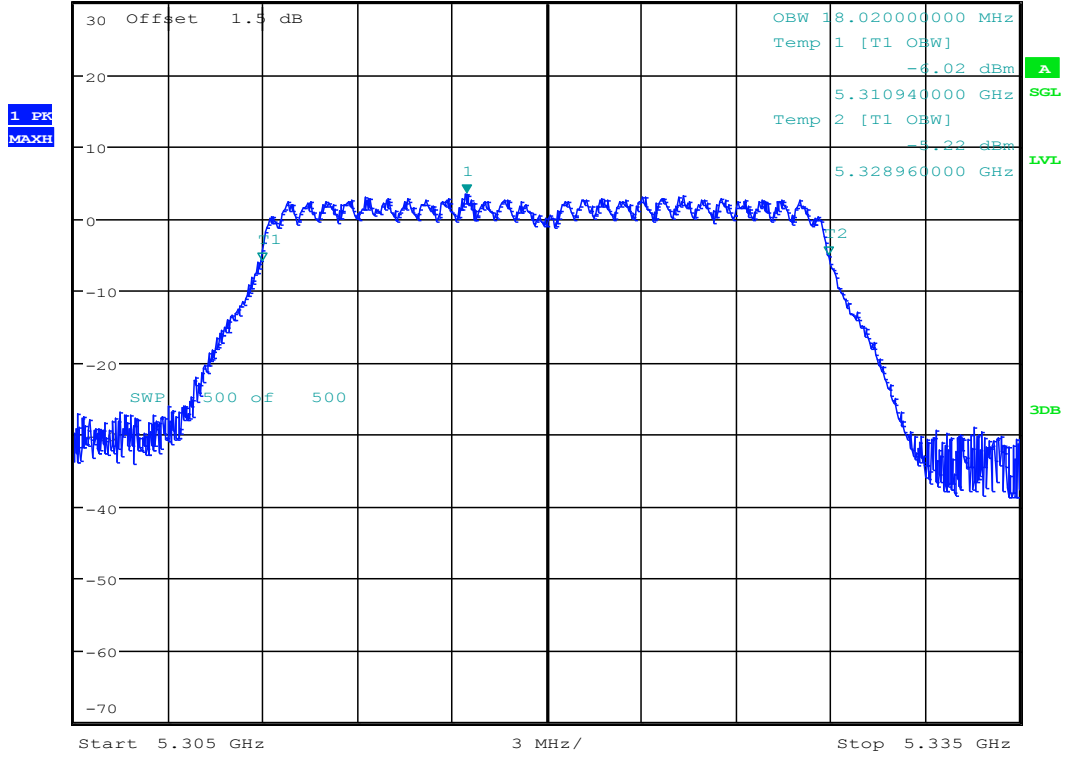
\*RBW 300 kHz      Marker 1 [T1]  
\*VBW 1 MHz      3.39 dBm  
SWT 20 ms      5.317460000 GHz

Ref 30 dBm

Att 35 dB

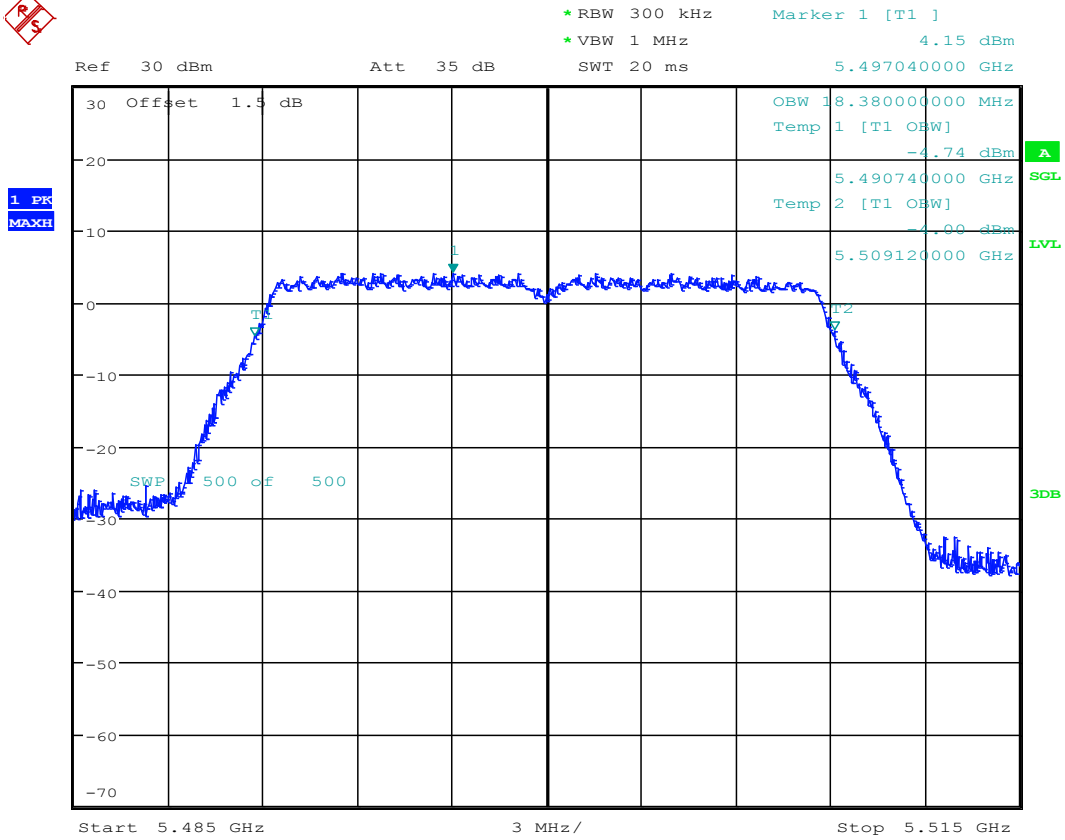
SWT 20 ms

5.317460000 GHz



Date: 29.MAR.2018 18:52:28

**6.121 11AC20MIMO\_100 ANT 1**

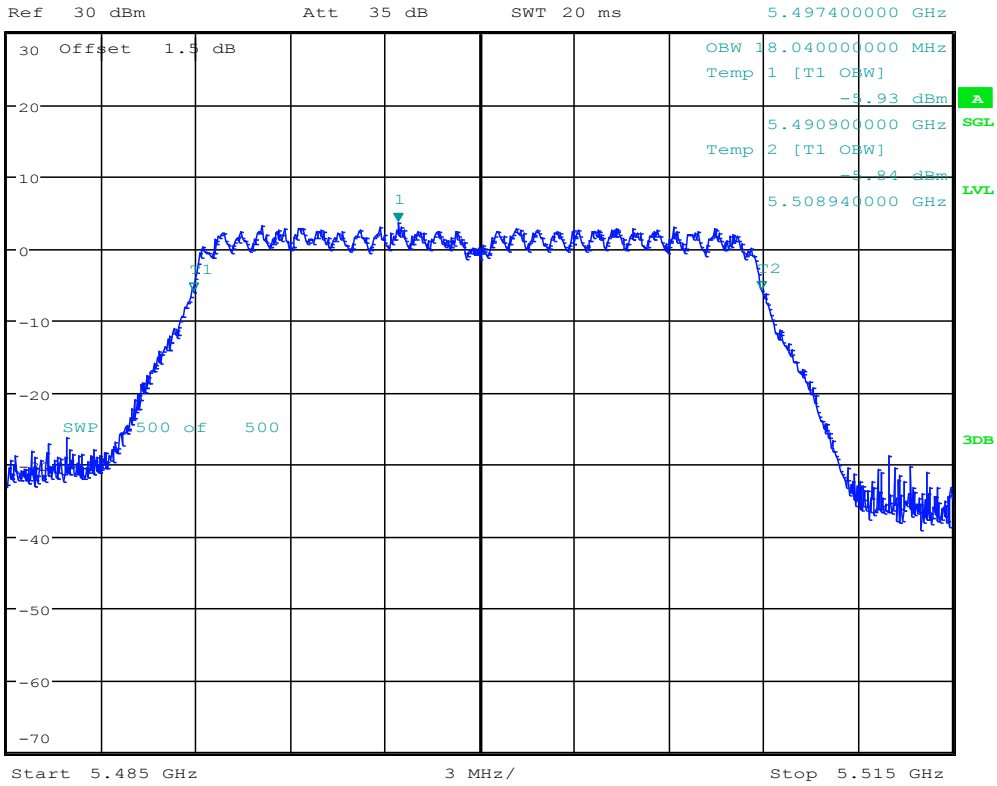


Date: 28.MAR.2018 19:17:35

### 6.122 11AC20MIMO\_100 ANT 2



\*RBW 300 kHz  
 \*VBW 1 MHz  
 Marker 1 [T1 ]  
 3.62 dBm  
 5.497400000 GHz



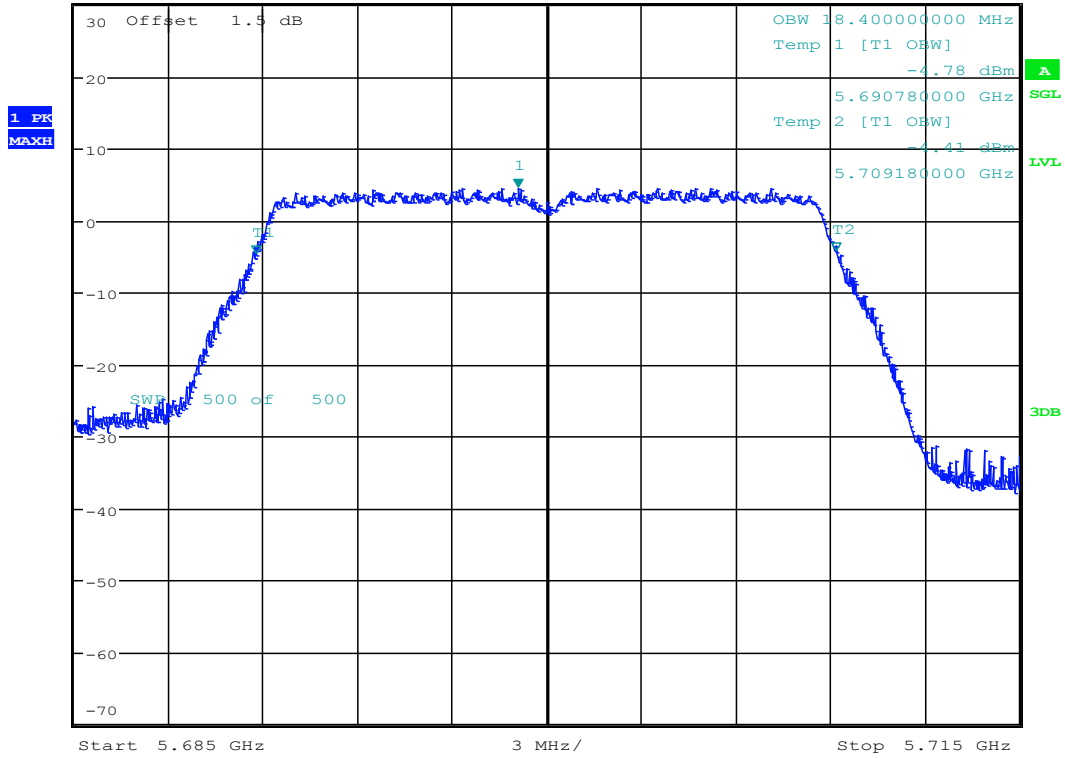
Date: 29.MAR.2018 18:55:11



### 6.123 11AC20MIMO\_140 ANT 1



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      4.50 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.699100000 GHz



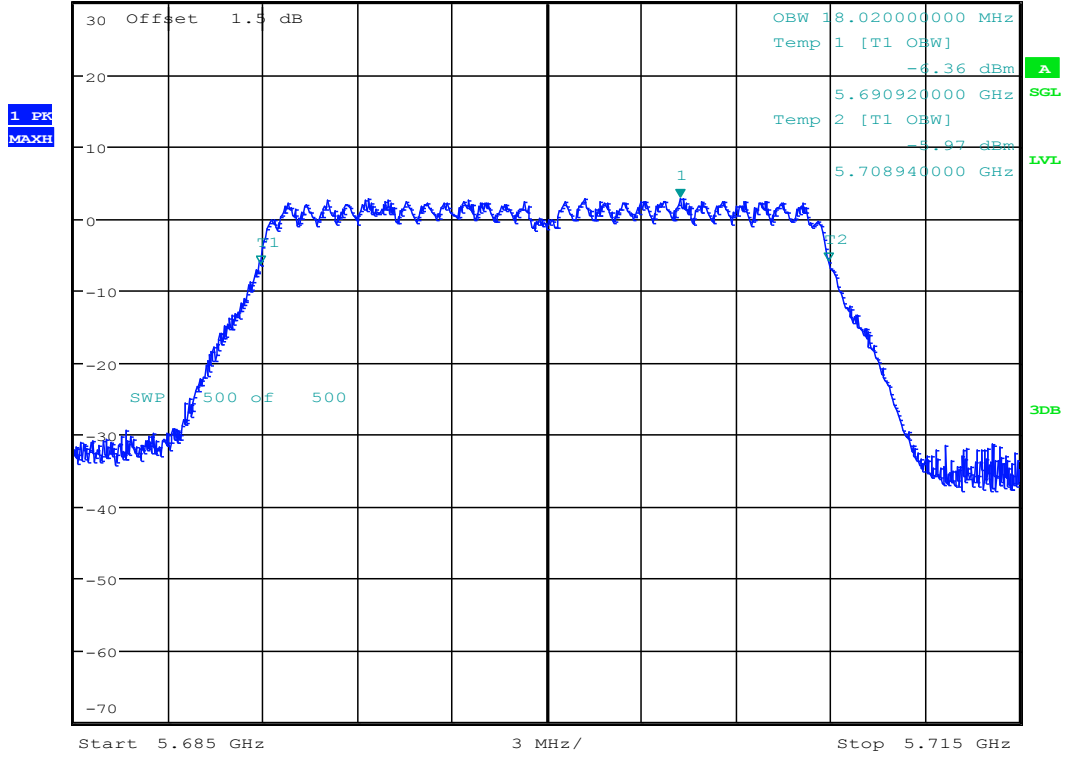
Date: 28.MAR.2018 19:19:56



### 6.124 11AC20MIMO\_140 ANT 2

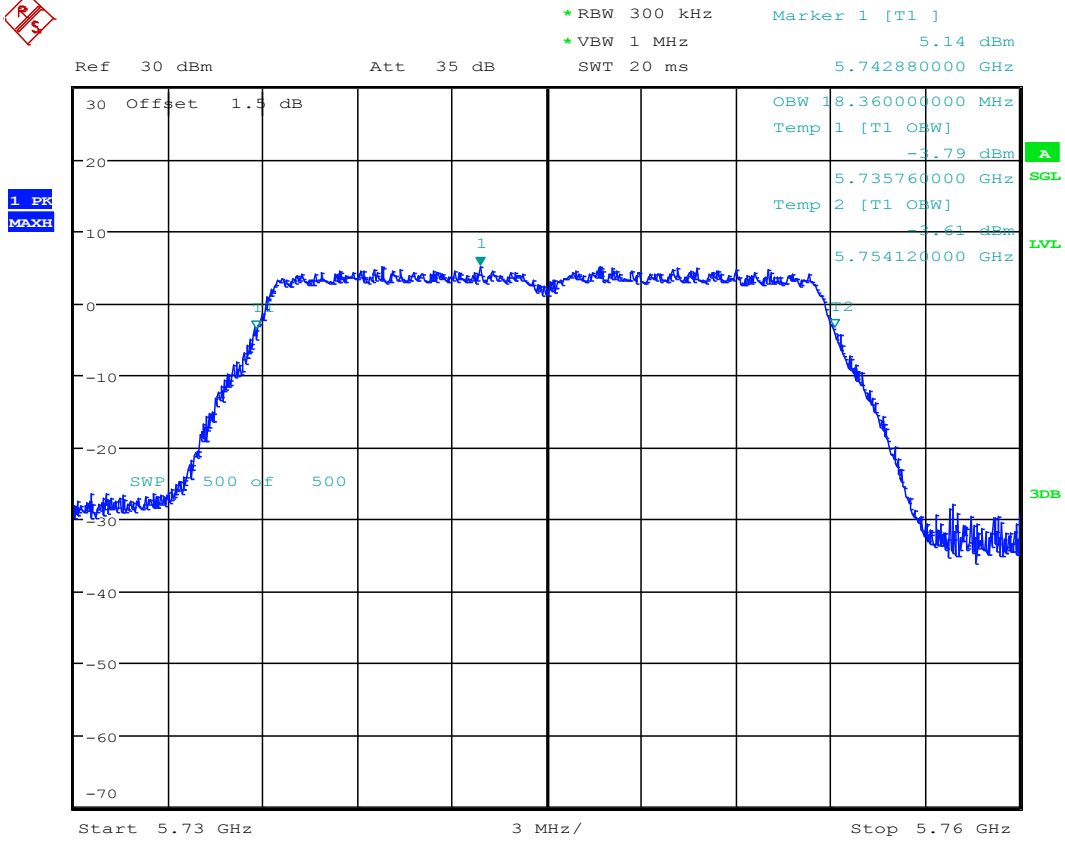


\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      2.82 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.704240000 GHz



Date: 29.MAR.2018 18:57:46

### 6.125 11AC20MIMO\_149 ANT 1



Date: 28.MAR.2018 19:25:02

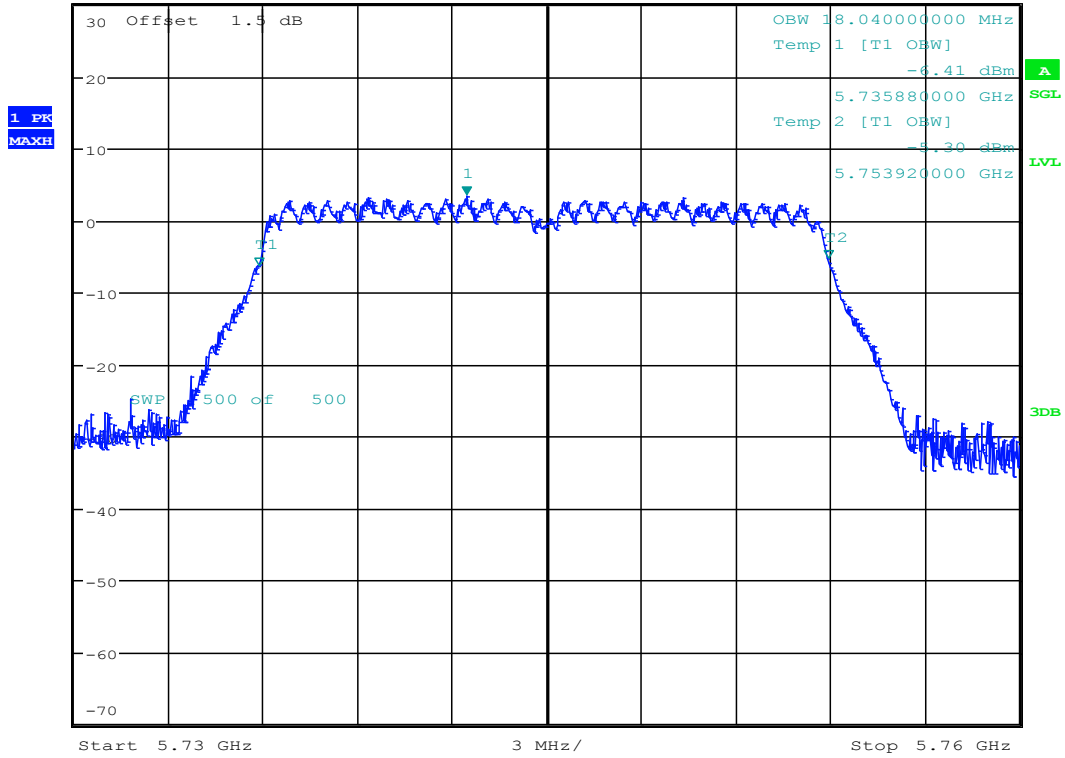




### 6.126 11AC20MIMO\_149 ANT 2



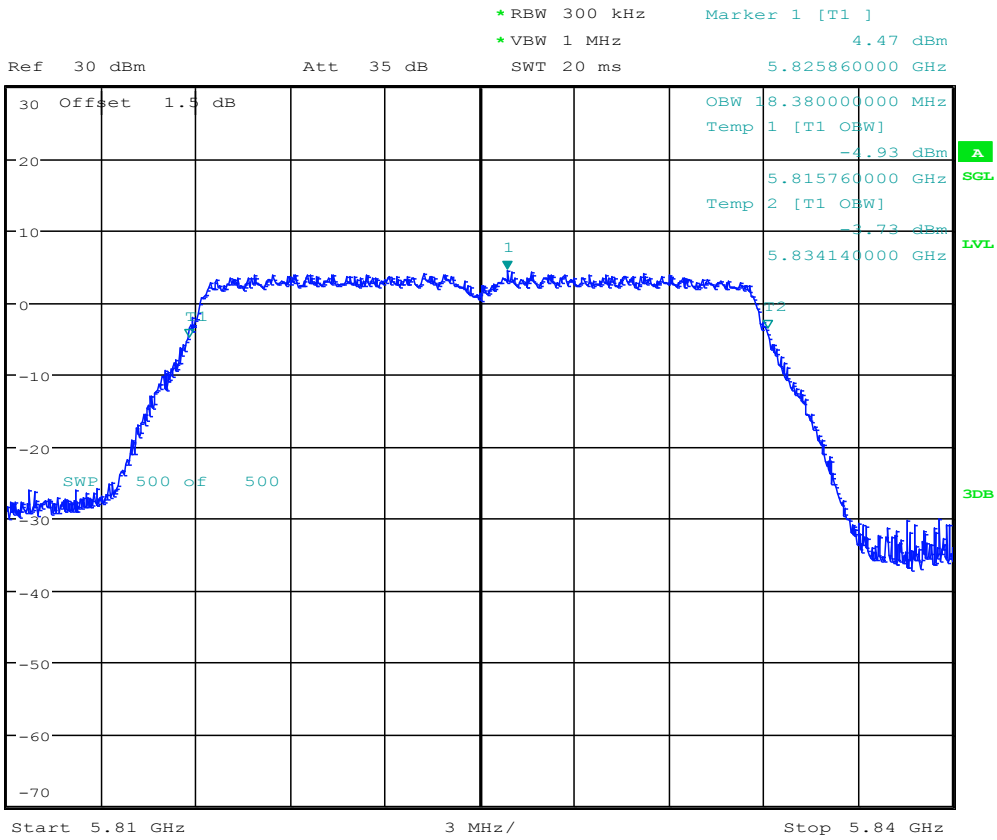
\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      3.45 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.742460000 GHz



Date: 29.MAR.2018 19:03:08



### 6.127 11AC20MIMO\_165 ANT 1



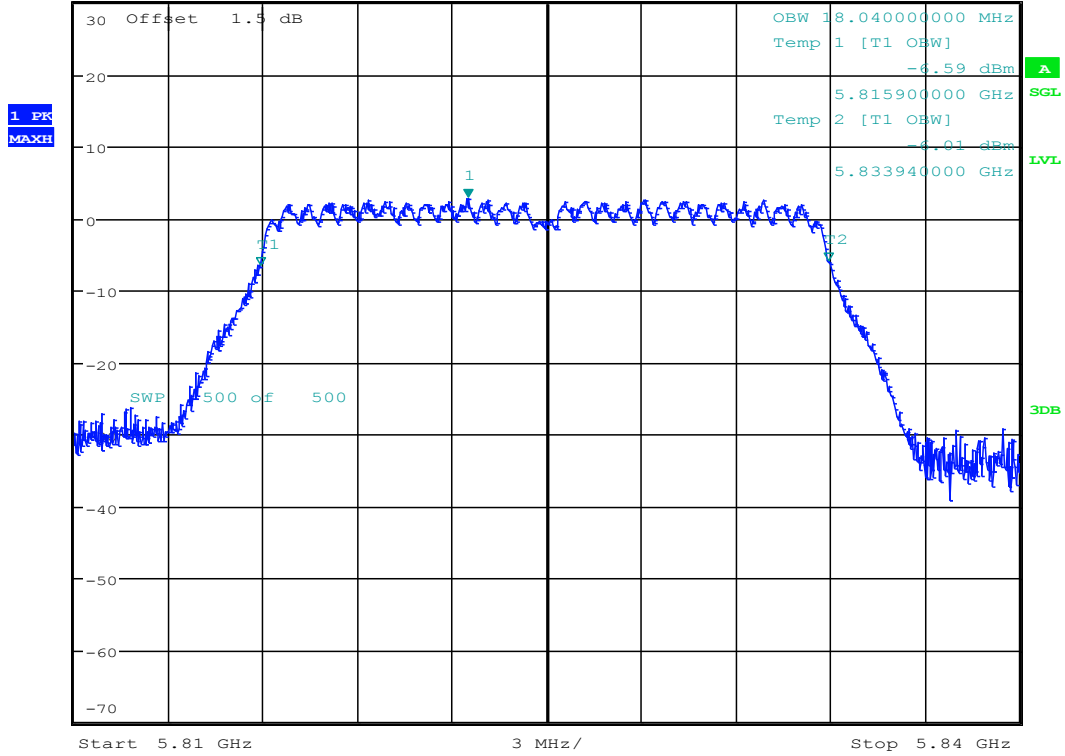
Date: 28.MAR.2018 19:28:19



### 6.128 11AC20MIMO\_165 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      2.81 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.822500000 GHz



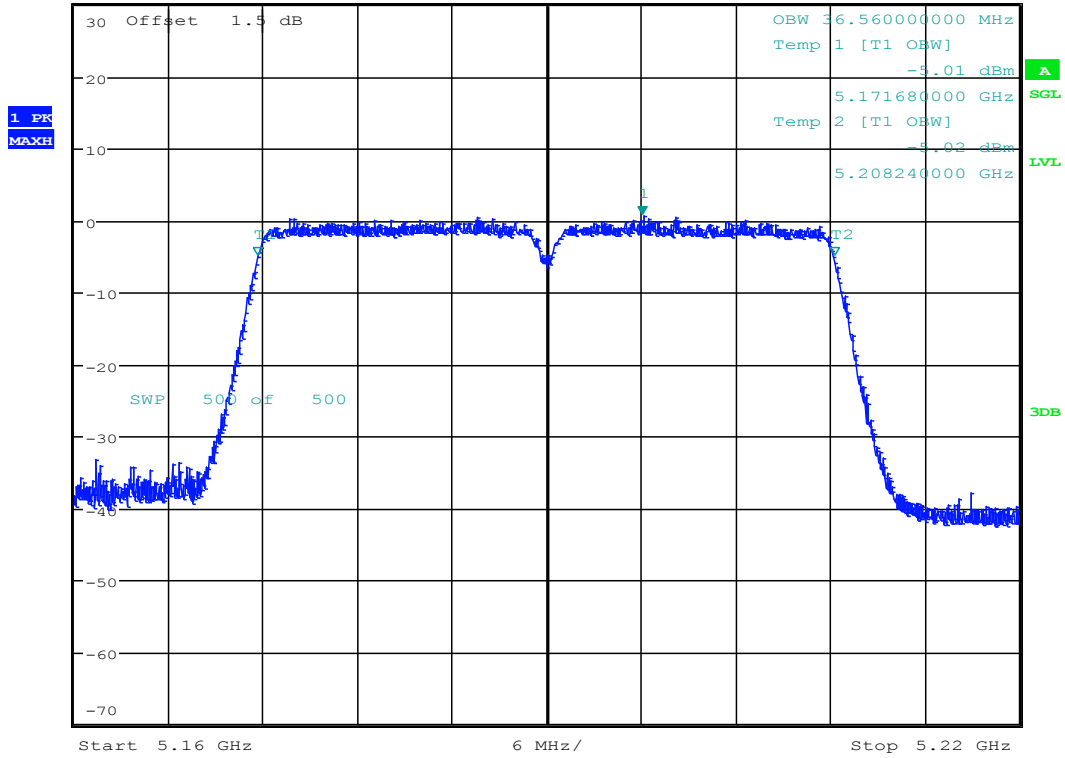
Date: 29.MAR.2018 19:06:06



### 6.129 11AC40\_38 ANT 1



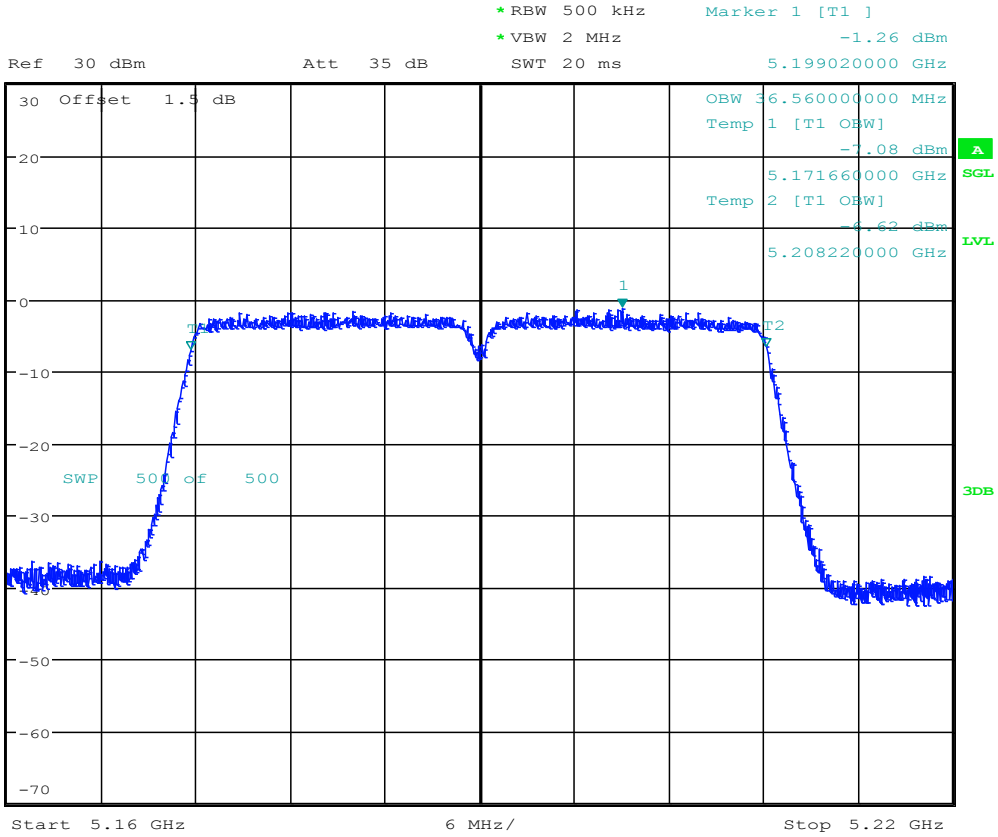
\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      0.78 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.196100000 GHz



Date: 28.MAR.2018 16:47:56



### 6.130 11AC40\_38 ANT 2



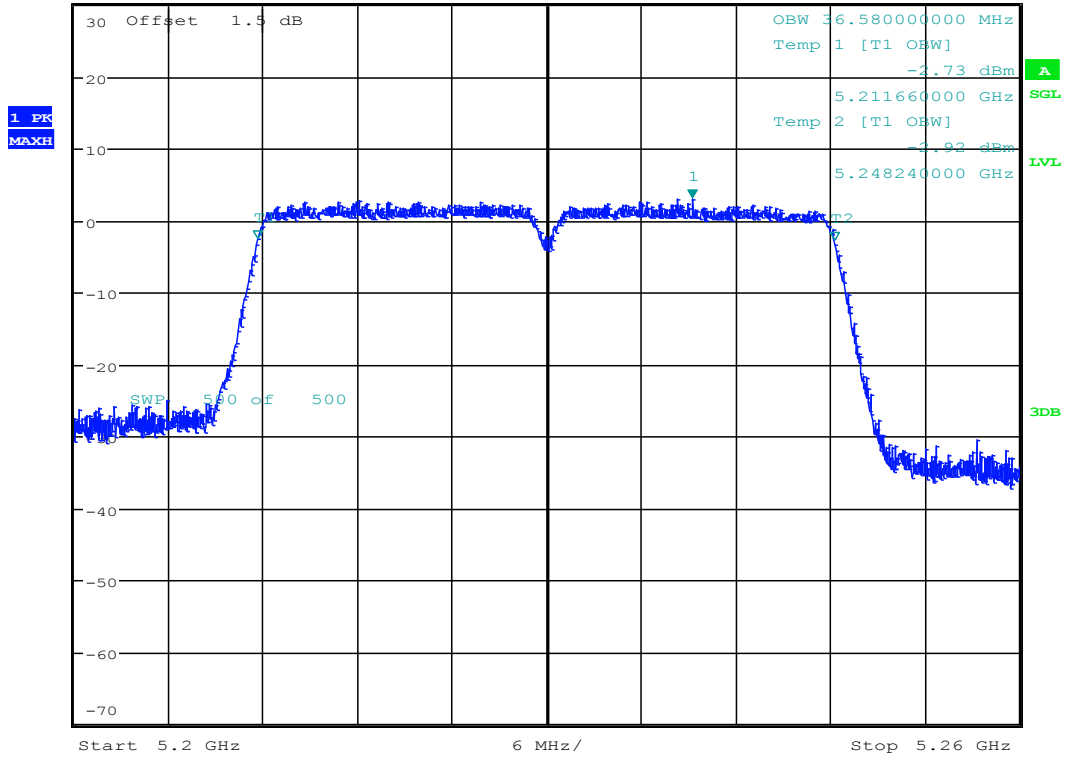
Date: 29.MAR.2018 15:39:15



### 6.131 11AC40\_46 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      3.00 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.239240000 GHz



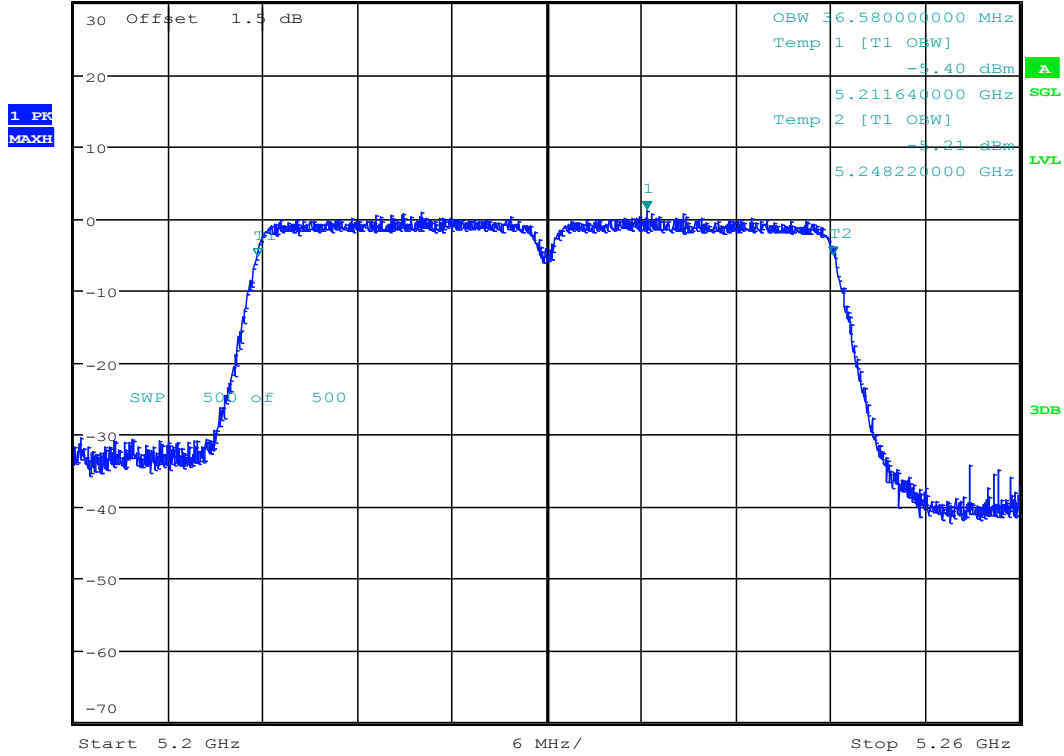
Date: 28.MAR.2018 16:51:07



### 6.132 11AC40\_46 ANT 2



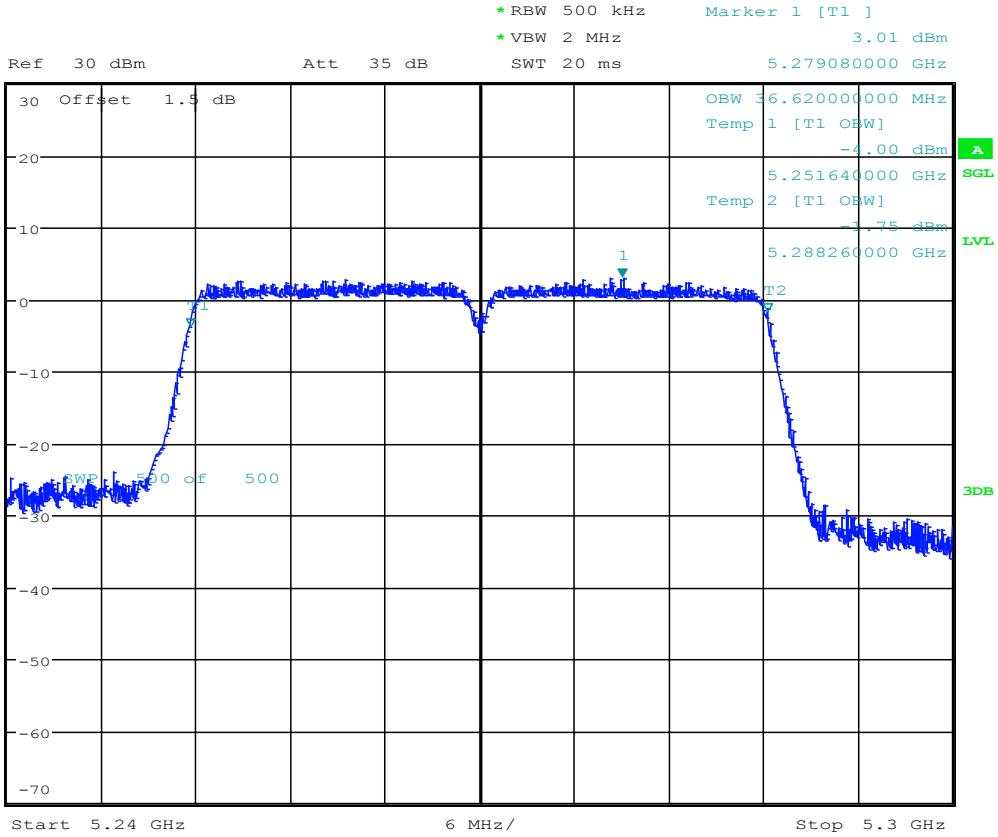
\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      1.02 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.236360000 GHz



Date: 29.MAR.2018 15:42:50



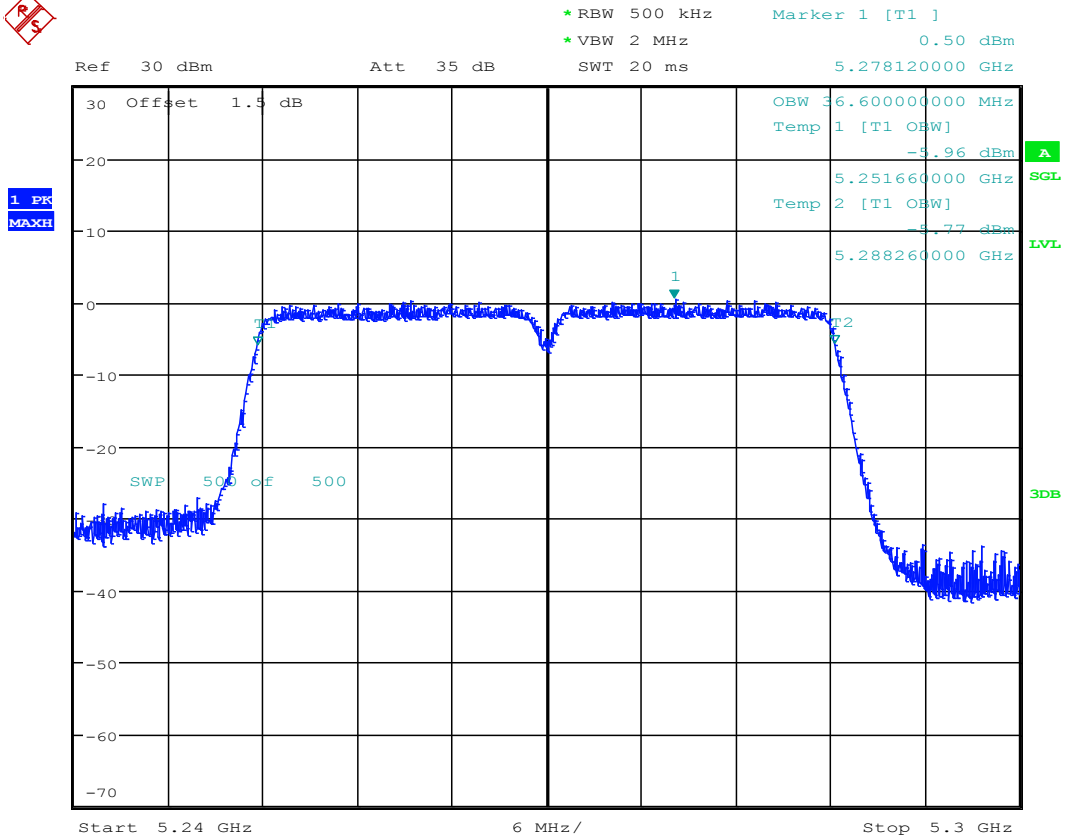
6.133 11AC40\_54 ANT 1



Date: 28.MAR.2018 16:53:52



### 6.134 11AC40\_54 ANT 2



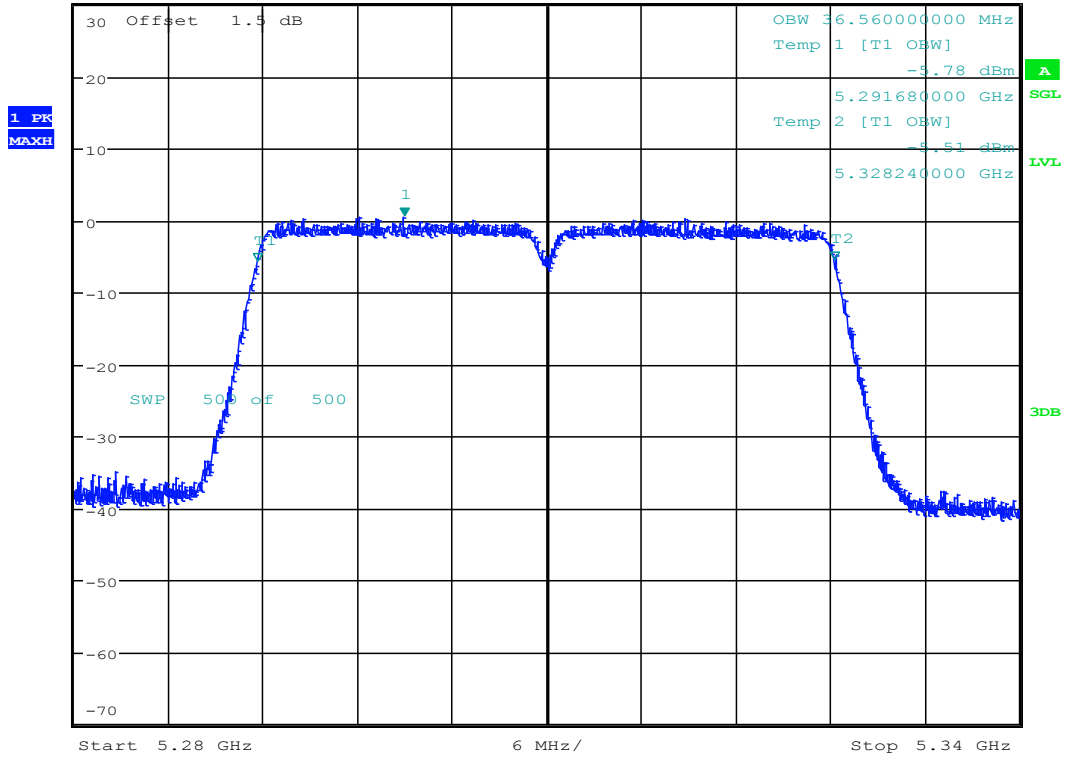
Date: 29.MAR.2018 15:47:43



### 6.135 11AC40\_62 ANT 1



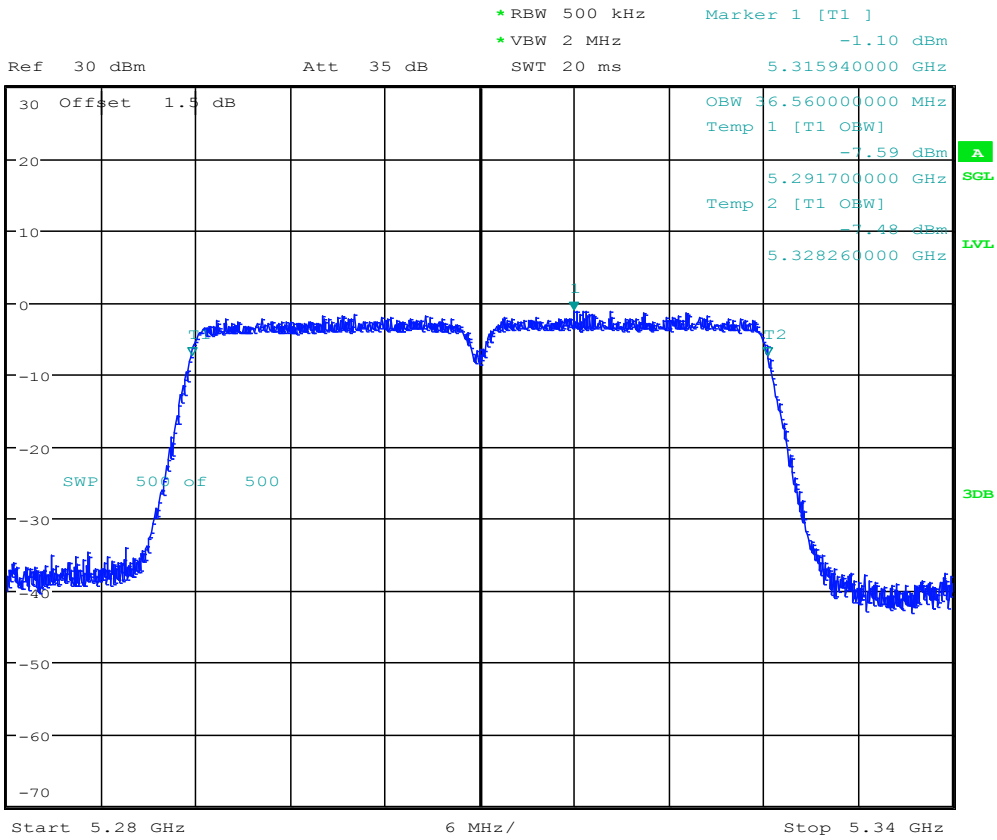
\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      0.45 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.300920000 GHz



Date: 28.MAR.2018 16:56:19



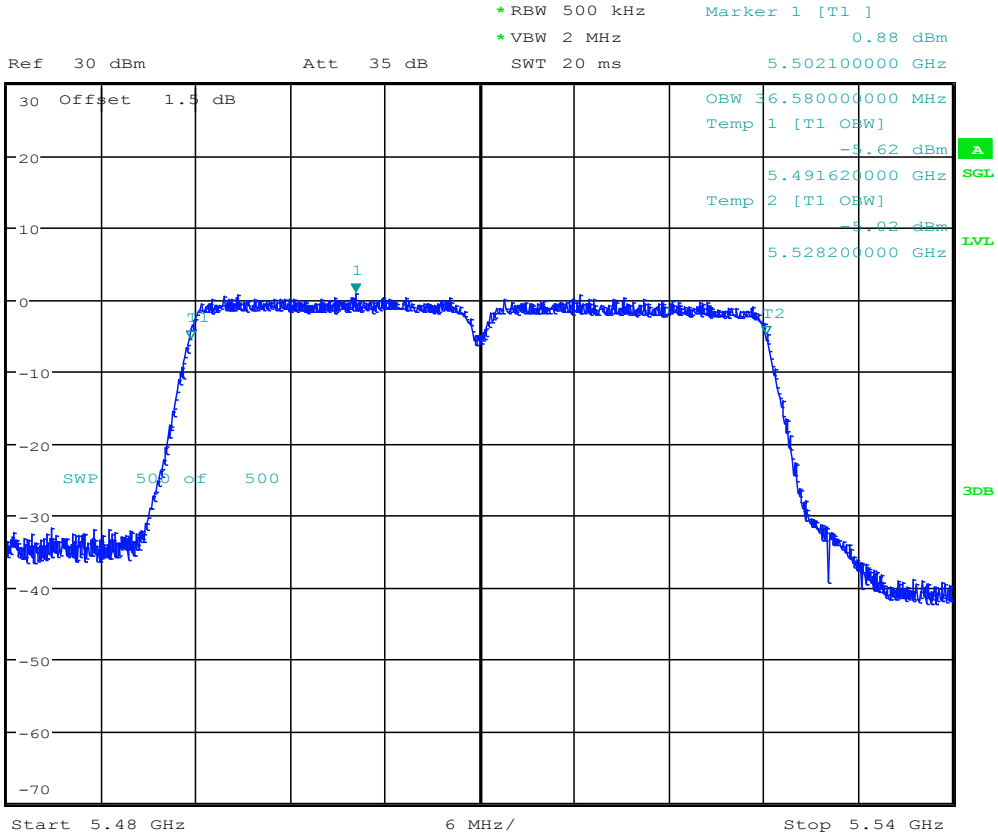
### 6.136 11AC40\_62 ANT 2



Date: 29.MAR.2018 15:51:14



### 6.137 11AC40\_102 ANT 1



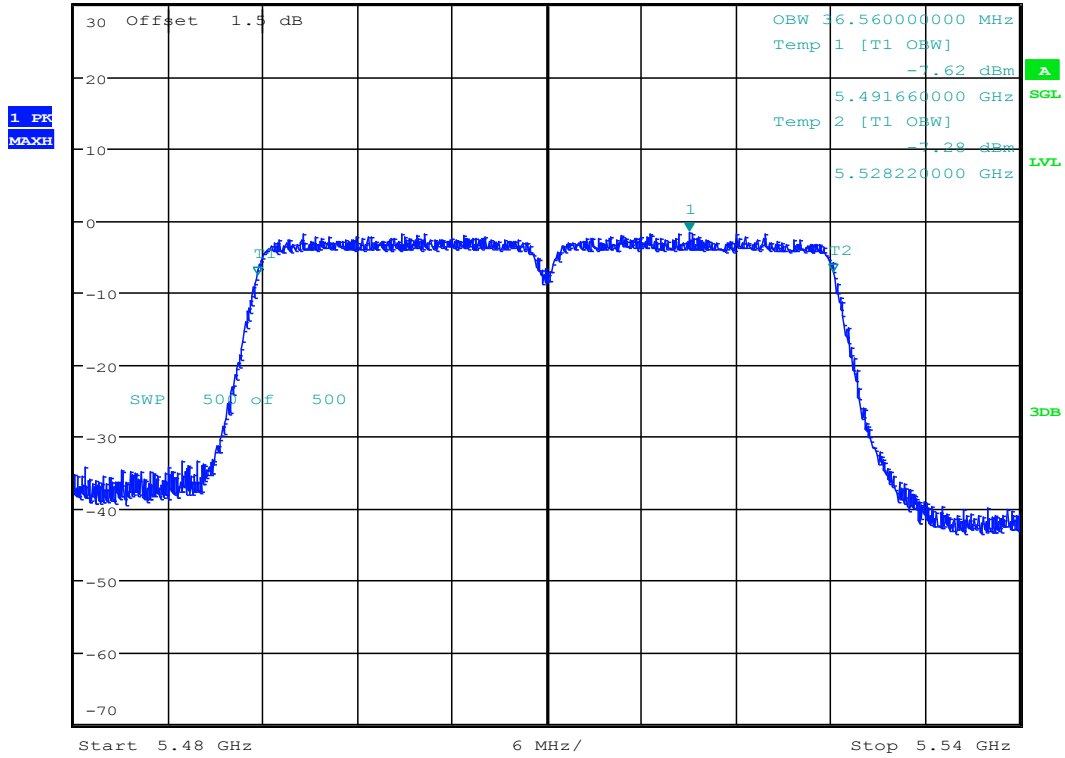
Date: 28.MAR.2018 16:59:16



### 6.138 11AC40\_102 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -1.63 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.519060000 GHz



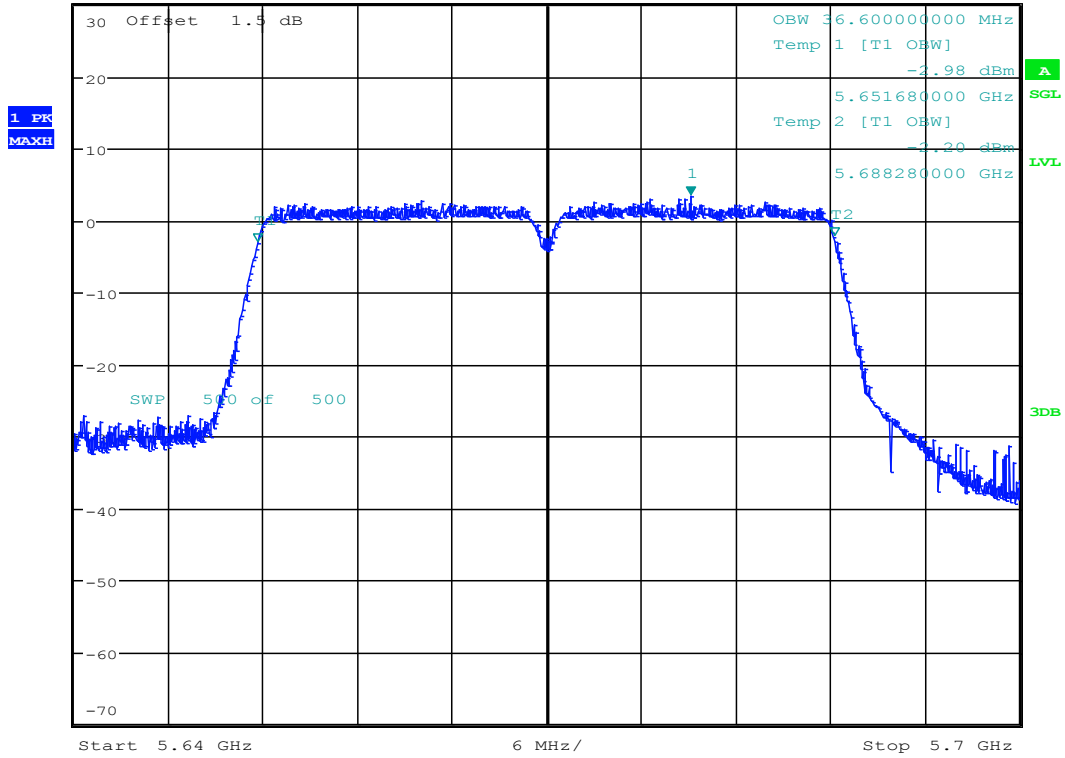
Date: 29.MAR.2018 15:55:27



### 6.139 11AC40\_134 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      3.33 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.679120000 GHz



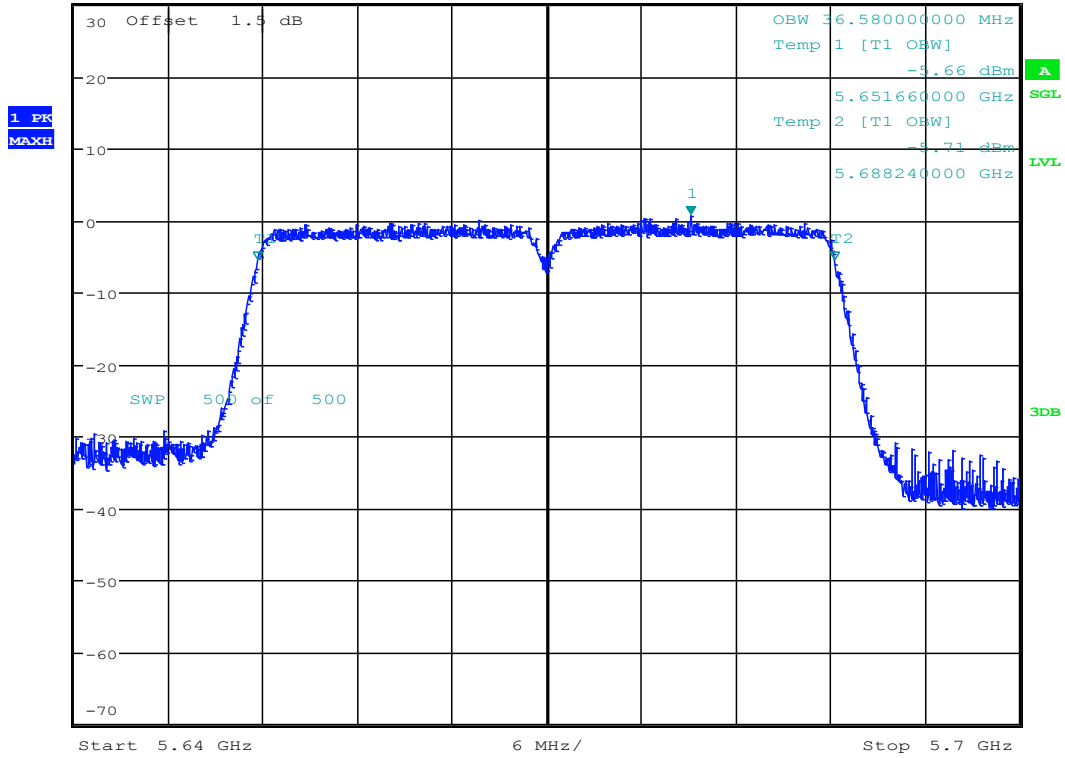
Date: 28.MAR.2018 17:04:00



### 6.140 11AC40\_134 ANT 2



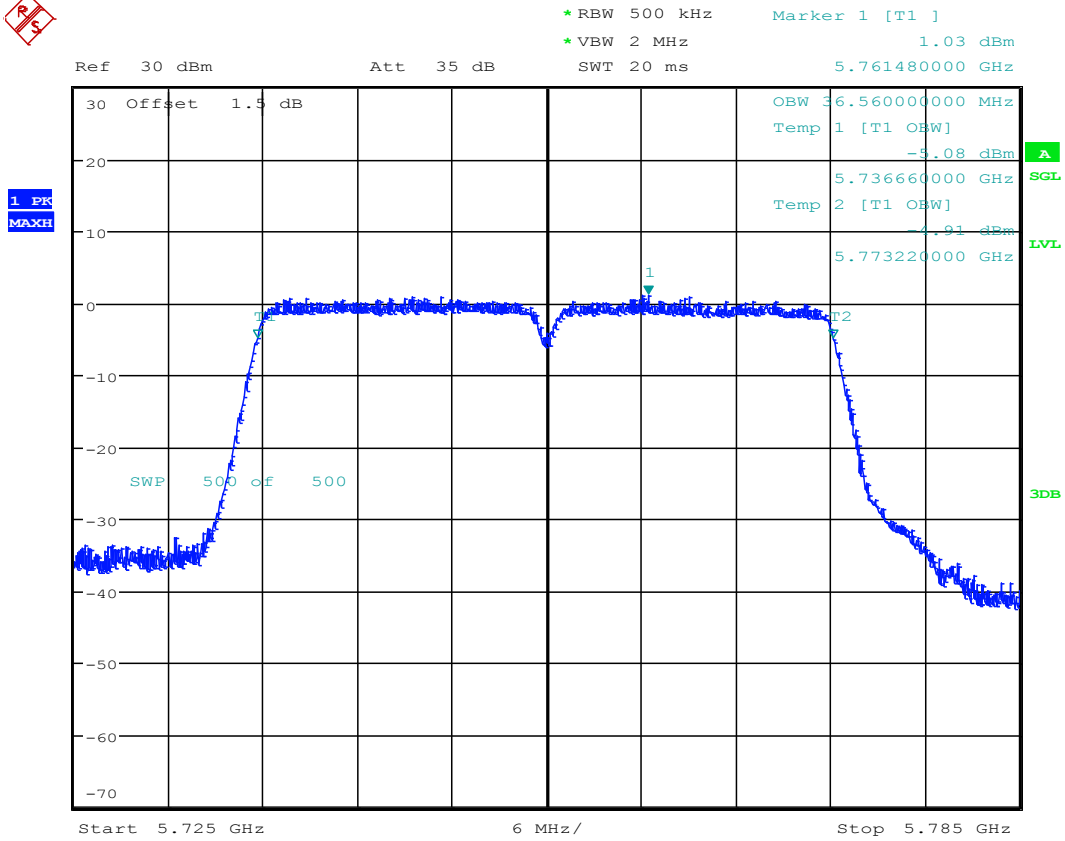
\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      0.71 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.679100000 GHz



Date: 29.MAR.2018 15:59:23



### 6.141 11AC40\_151 ANT 1



Date: 28.MAR.2018 17:09:16

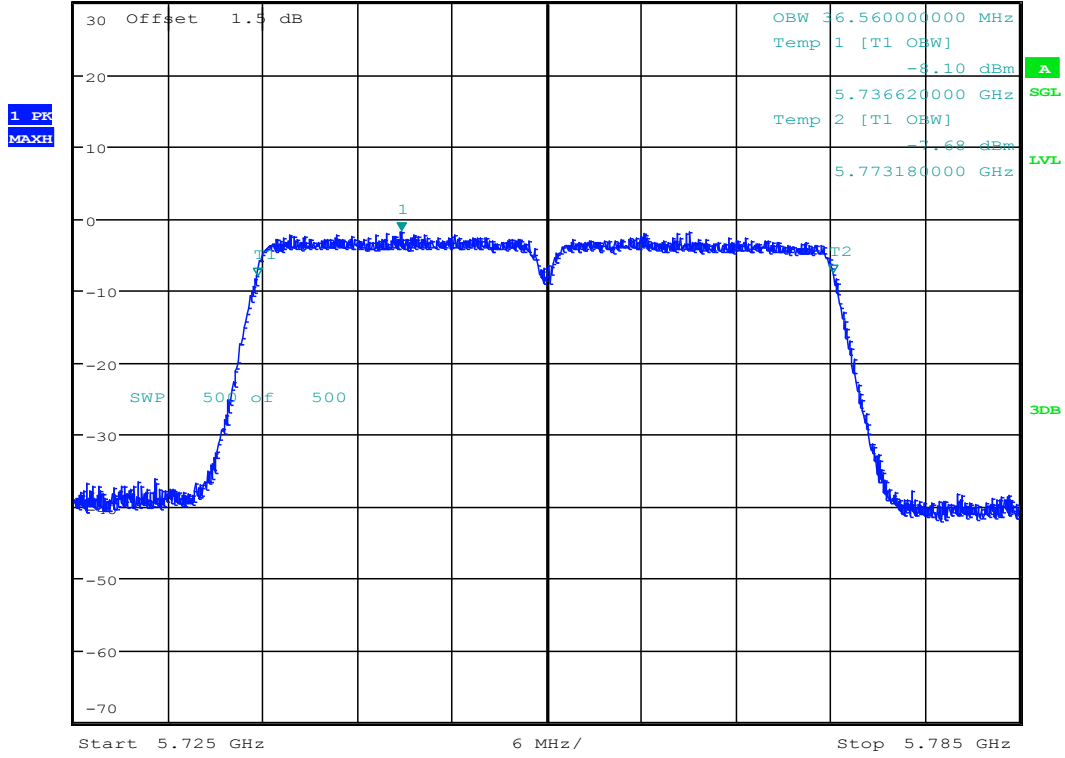




### 6.142 11AC40\_151 ANT 2



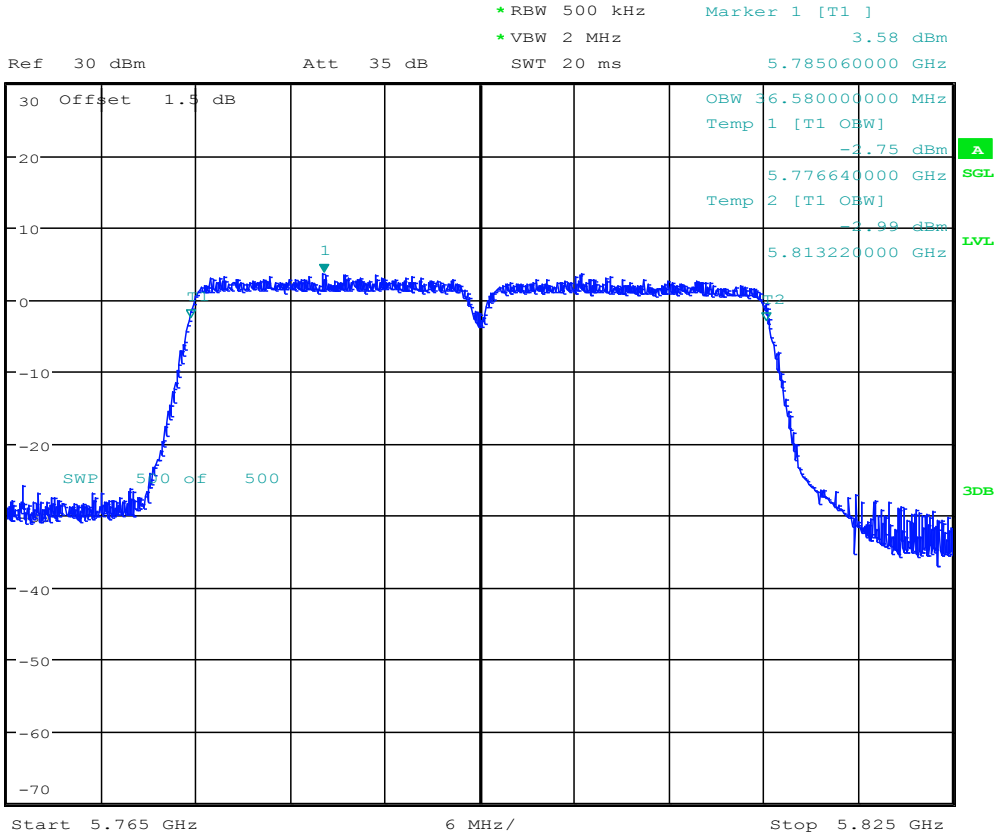
\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -1.73 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.745780000 GHz



Date: 29.MAR.2018 16:07:31



### 6.143 11AC40\_159 ANT 1



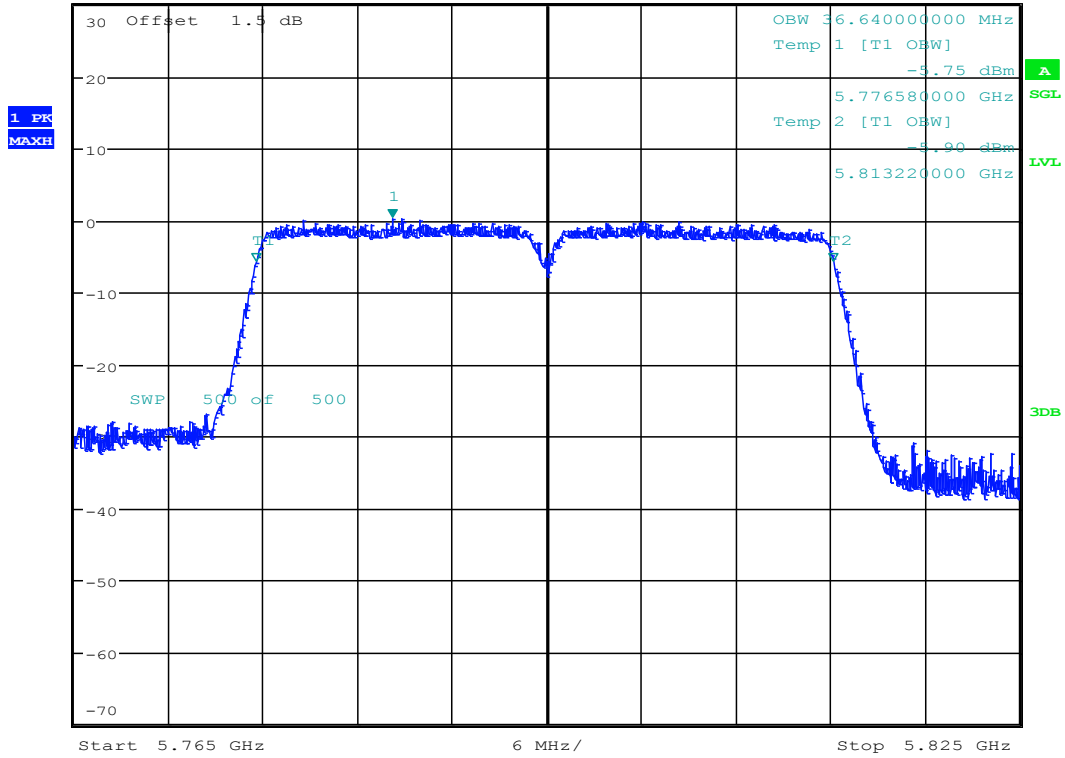
Date: 28.MAR.2018 17:12:39



6.144 11AC40\_159 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      0.30 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.785200000 GHz



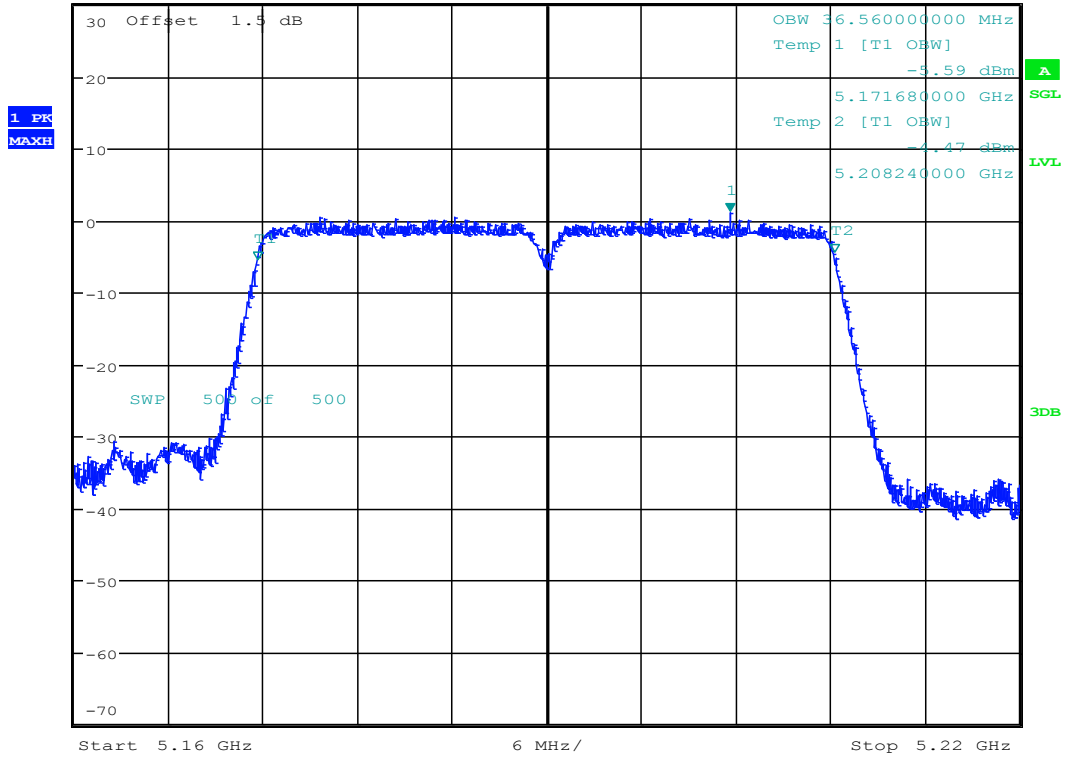
Date: 29.MAR.2018 16:11:13



### 6.145 11AC40MIMO\_38 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      1.11 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.201660000 GHz



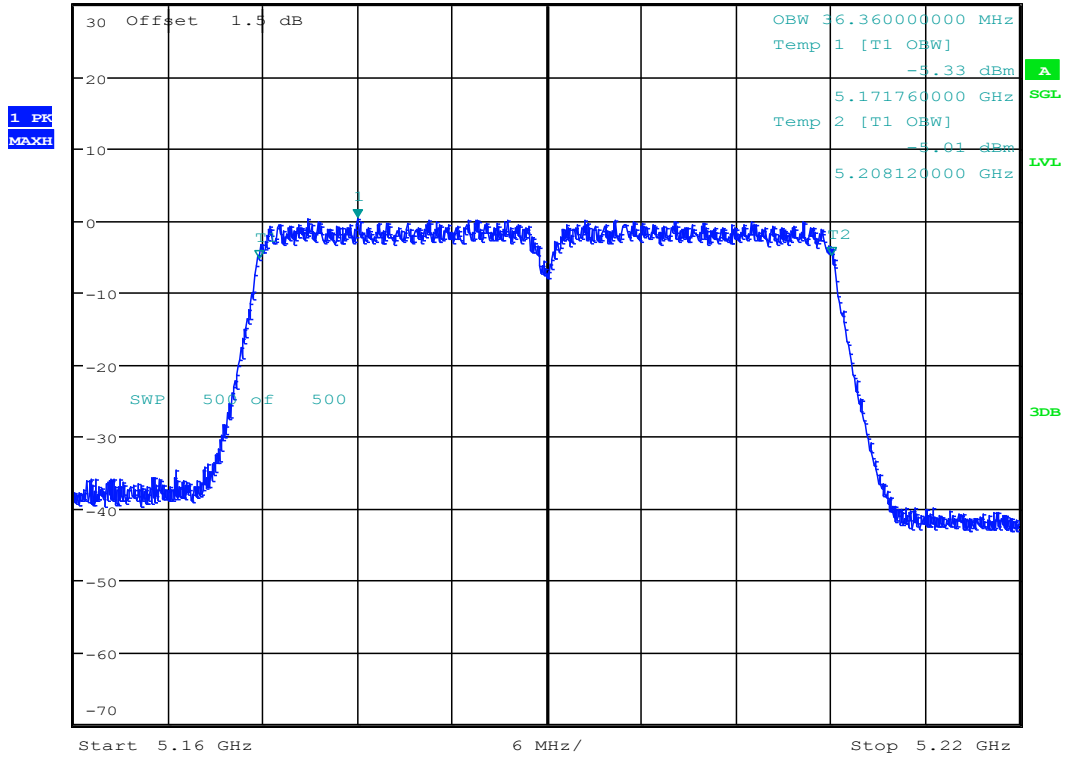
Date: 28.MAR.2018 19:32:24



### 6.146 11AC40MIMO\_38 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      0.27 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.178000000 GHz



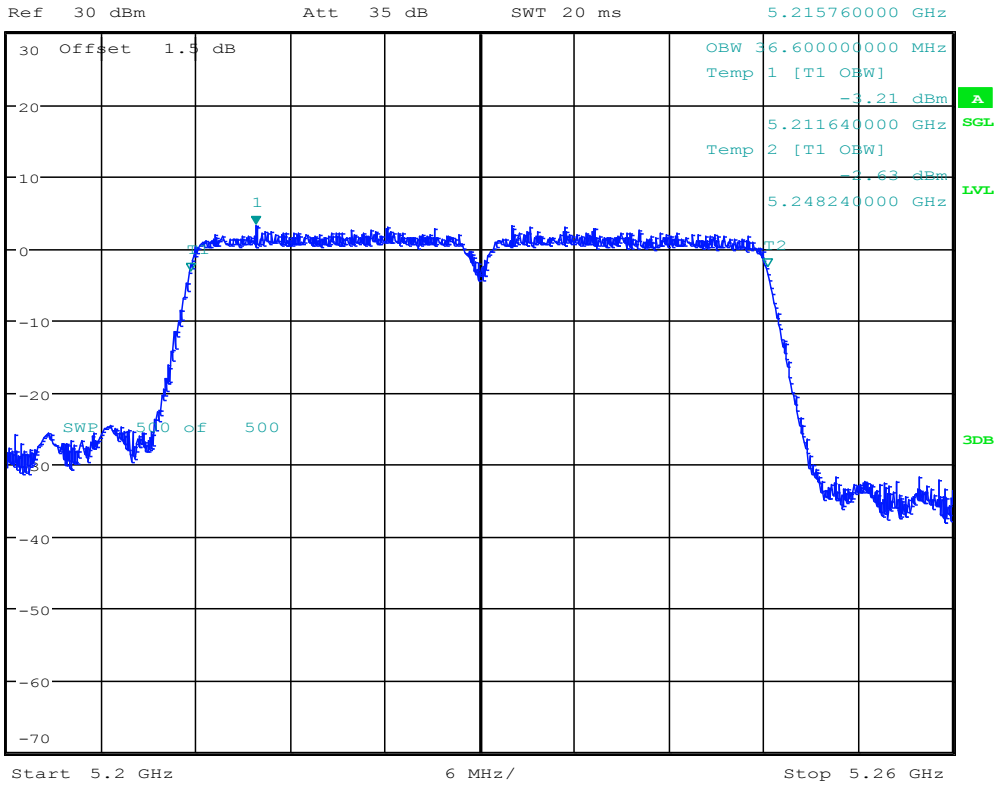
Date: 29.MAR.2018 19:09:52



6.147 11AC40MIMO\_46 ANT 1



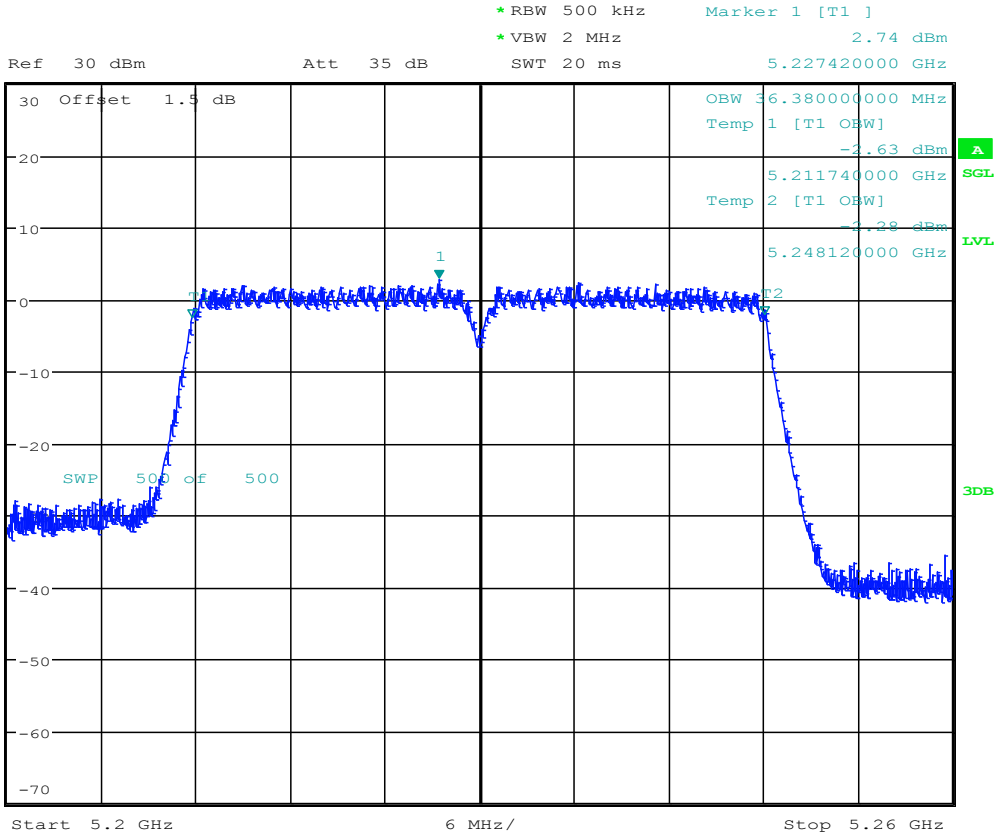
\*RBW 500 kHz Marker 1 [T1 ]  
\*VBW 2 MHz 3.26 dBm  
SWT 20 ms 5.215760000 GHz



Date: 28.MAR.2018 19:34:58



### 6.148 11AC40MIMO\_46 ANT 2



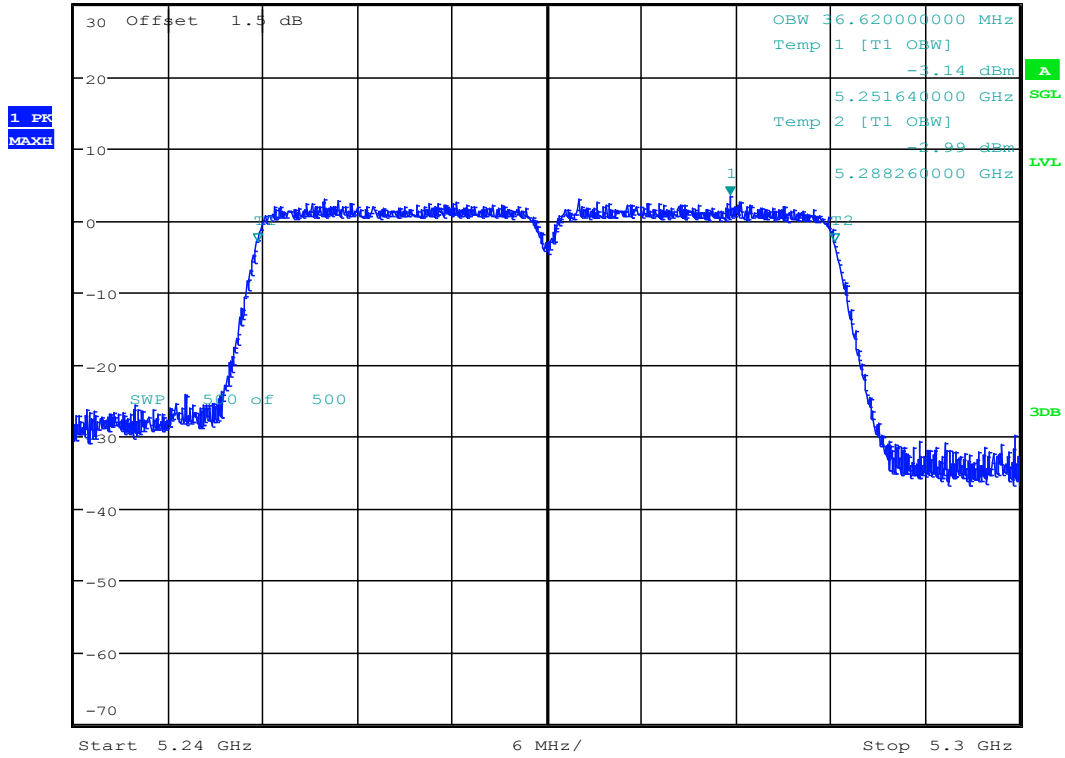
Date: 29.MAR.2018 19:12:27



### 6.149 11AC40MIMO\_54 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      3.49 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.281640000 GHz



Date: 28.MAR.2018 19:37:44

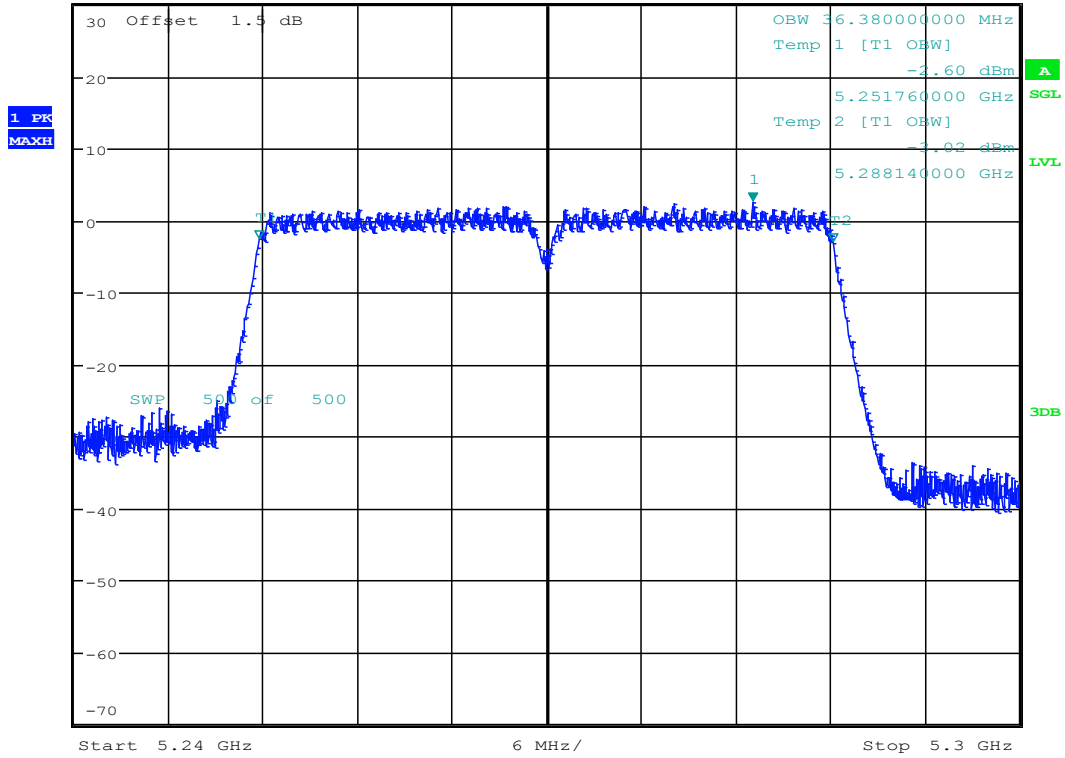




### 6.150 11AC40MIMO\_54 ANT 2

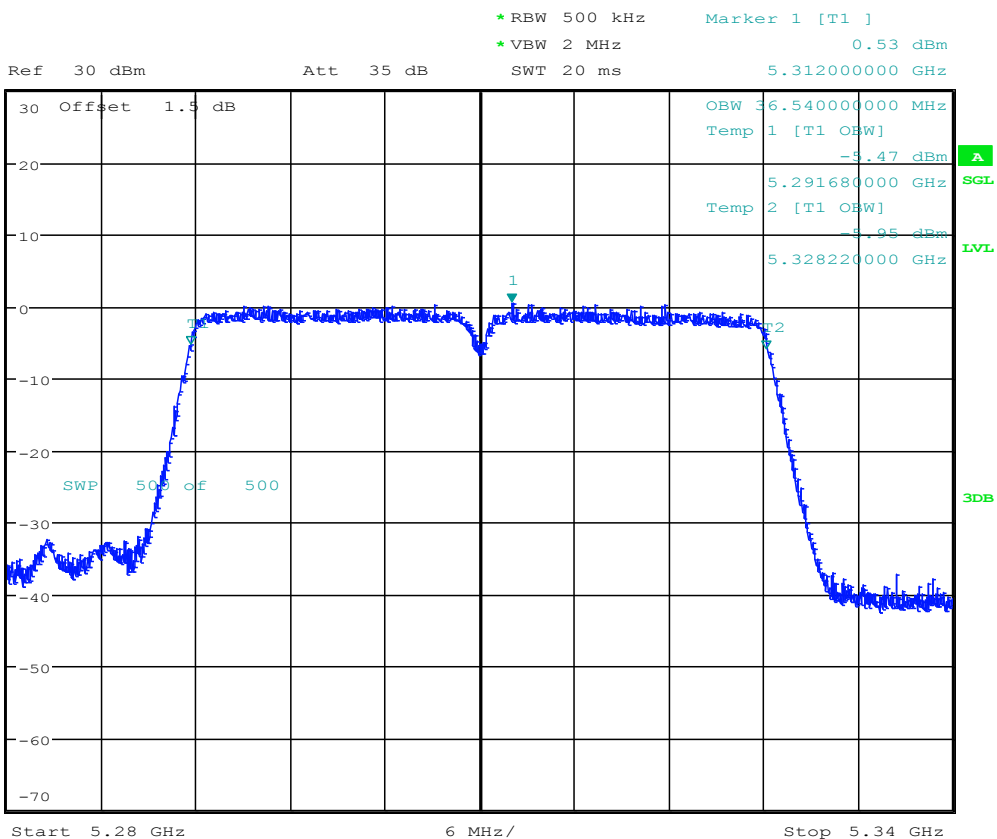


\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      2.62 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.283040000 GHz



Date: 29.MAR.2018 19:15:06

### 6.151 11AC40MIMO\_62 ANT 1



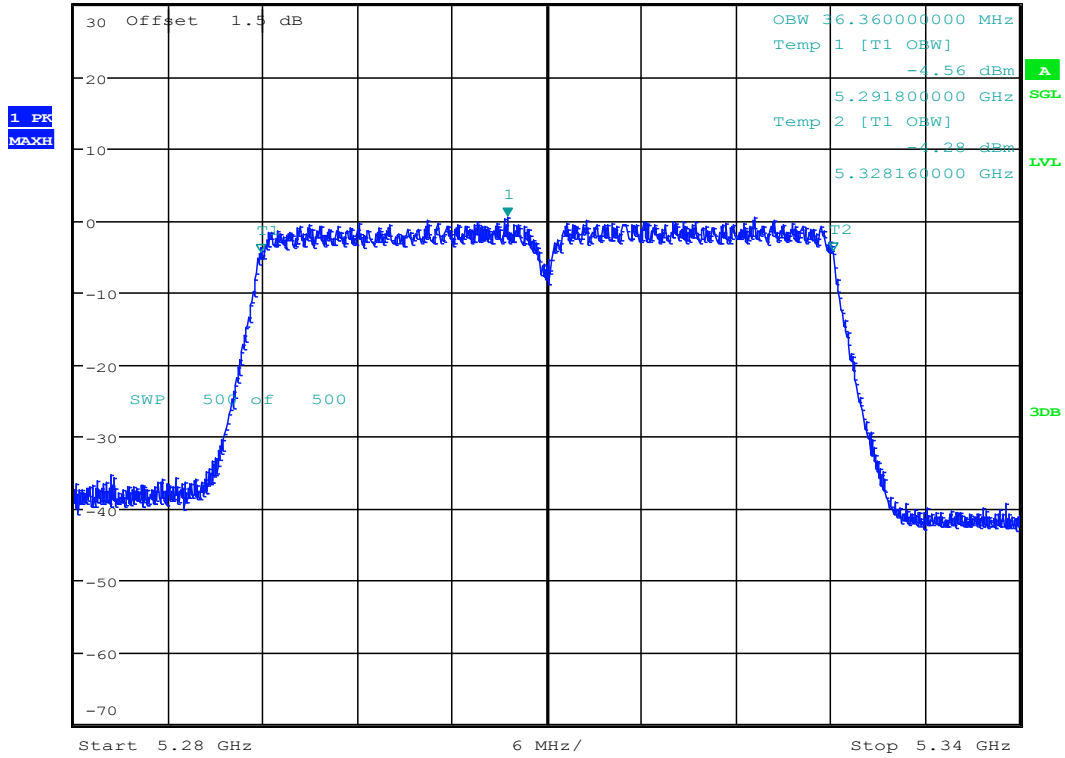
Date: 28.MAR.2018 19:40:08



### 6.152 11AC40MIMO\_62 ANT 2



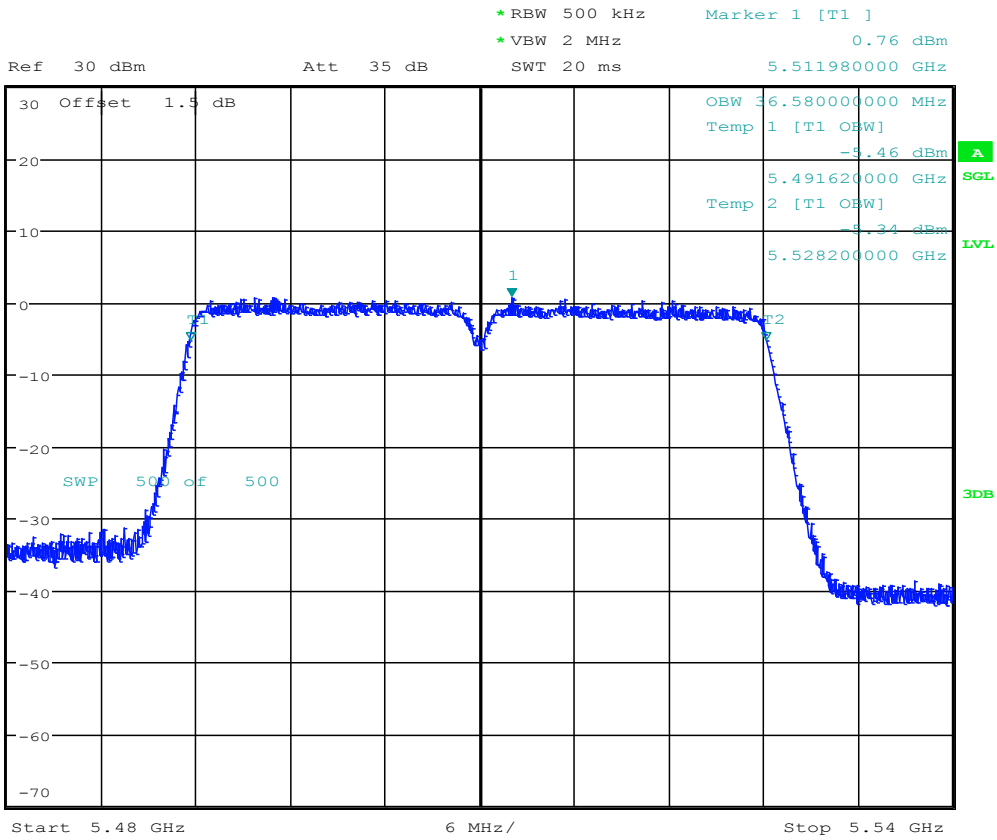
\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      0.43 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.307460000 GHz



Date: 29.MAR.2018 19:17:32



### 6.153 11AC40MIMO\_102 ANT 1



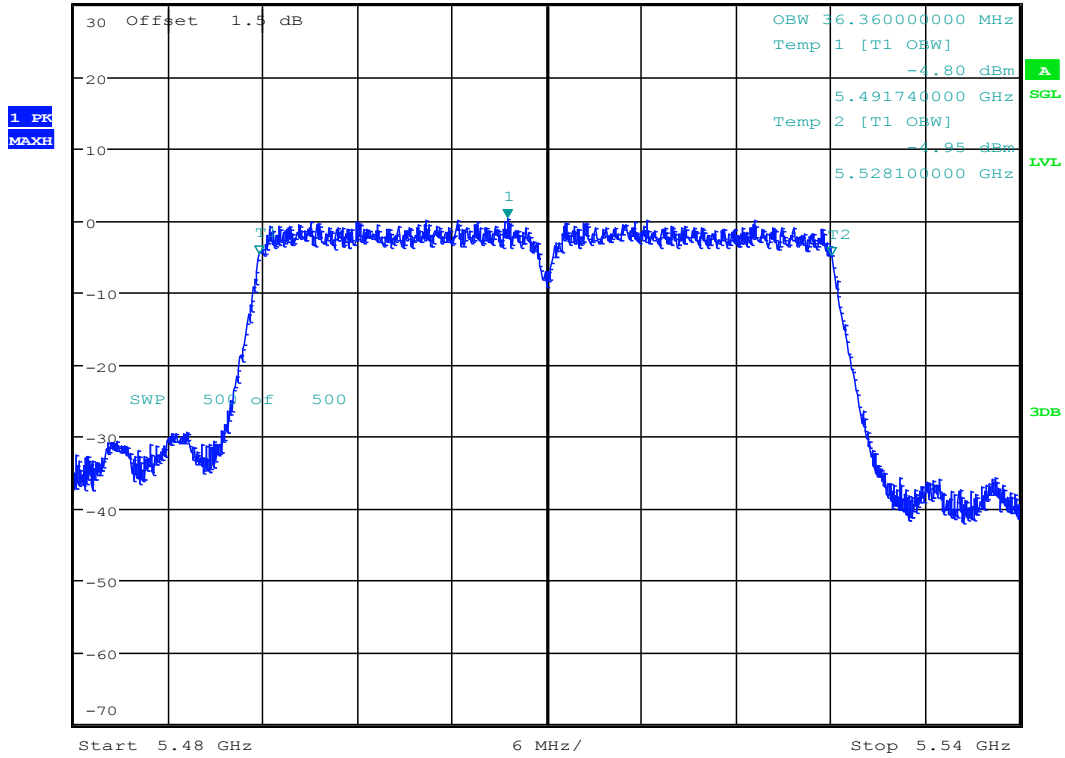
Date: 28.MAR.2018 19:42:45



### 6.154 11AC40MIMO\_102 ANT 2



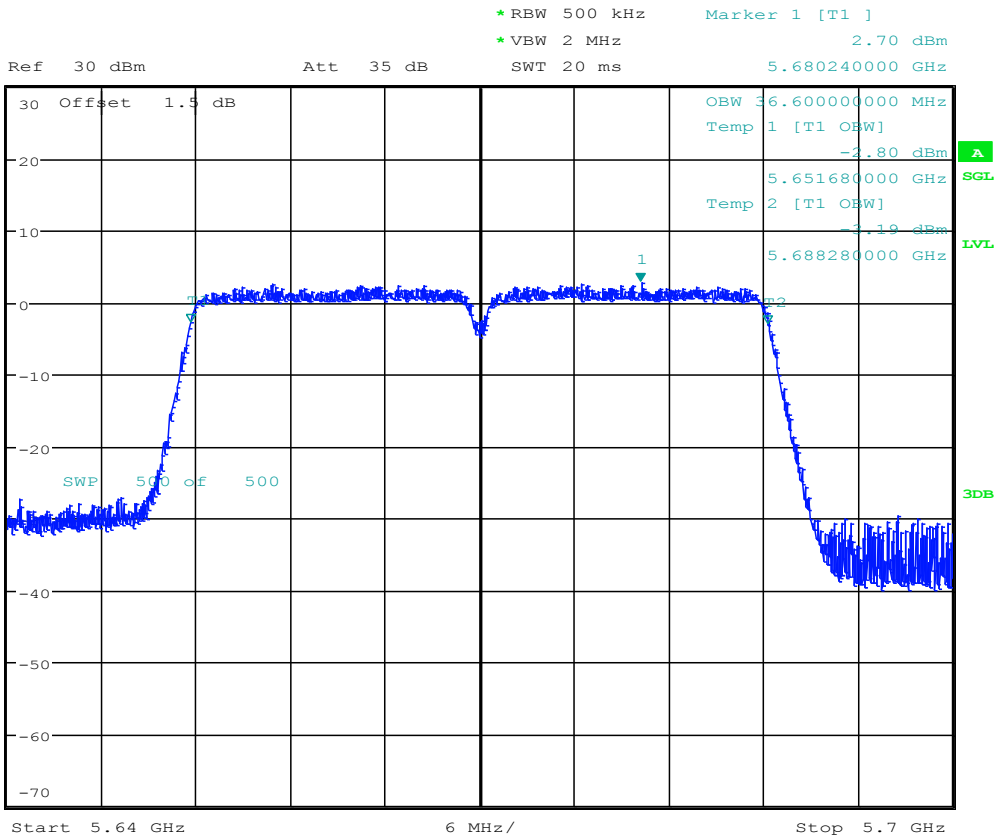
\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      0.24 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.507520000 GHz



Date: 29.MAR.2018 19:20:14



### 6.155 11AC40MIMO\_134 ANT 1



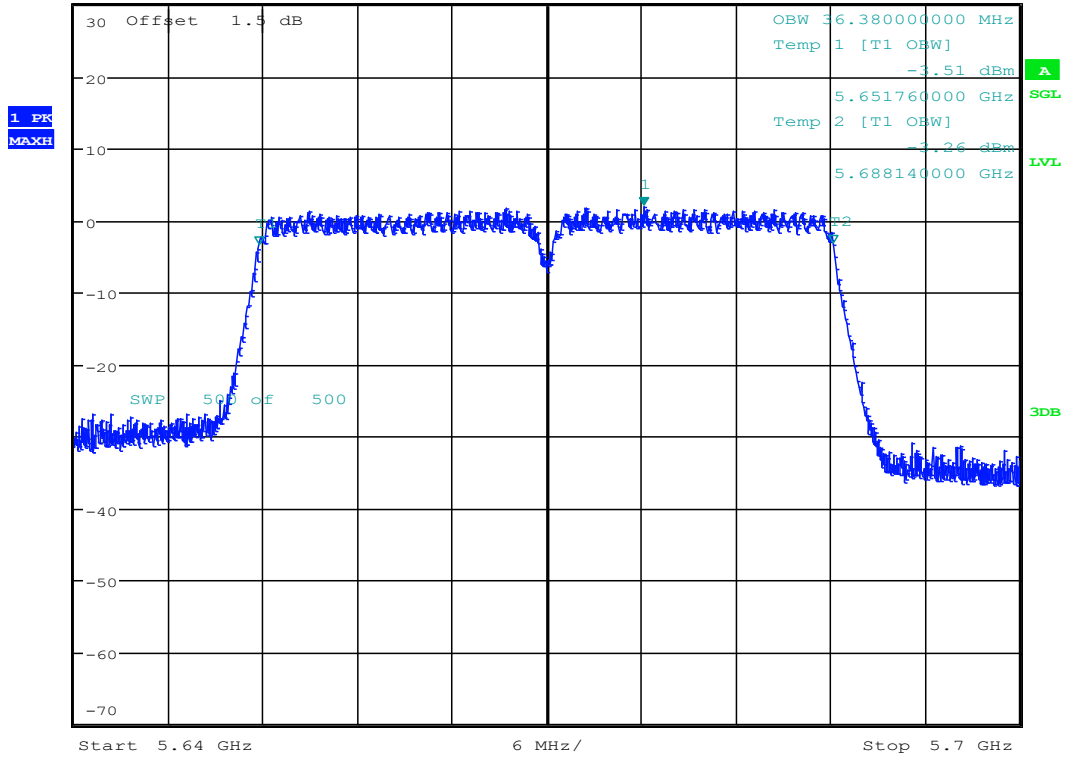
Date: 28.MAR.2018 19:45:09



### 6.156 11AC40MIMO\_134 ANT 2

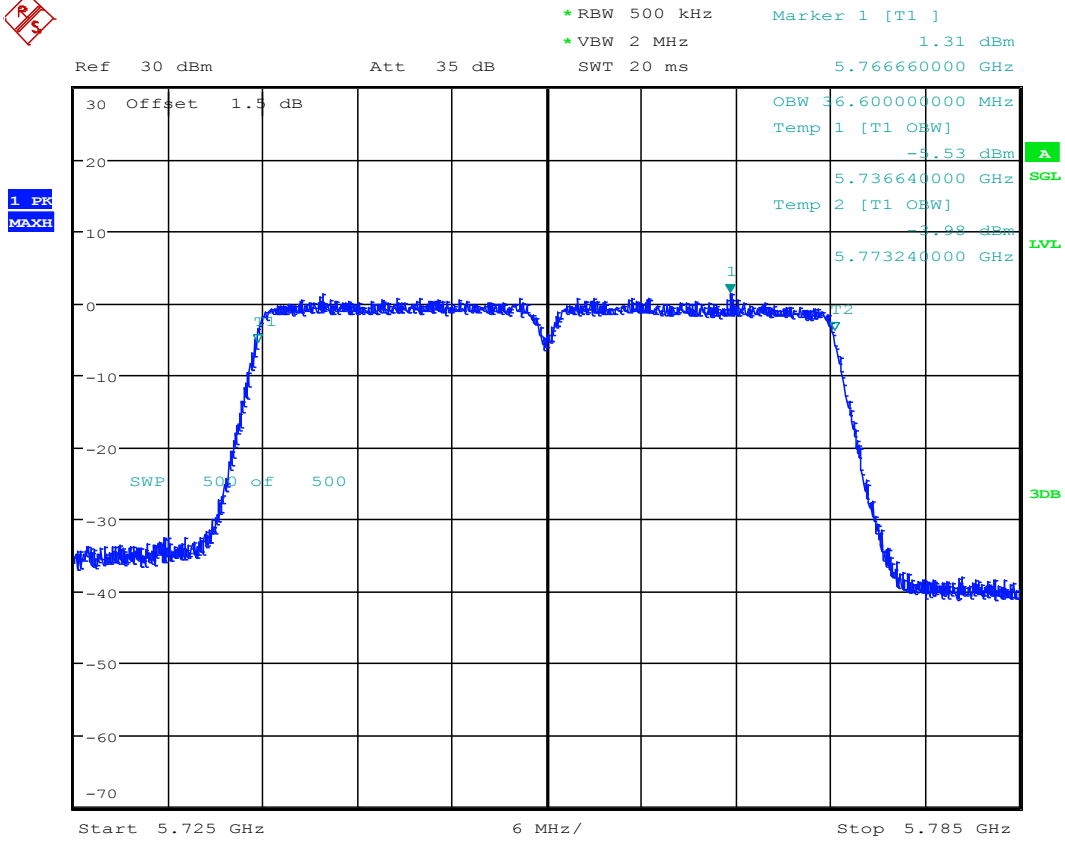


\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      1.85 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.676140000 GHz



Date: 29.MAR.2018 19:23:04

### 6.157 11AC40MIMO\_151 ANT 1



Date: 28.MAR.2018 19:50:36

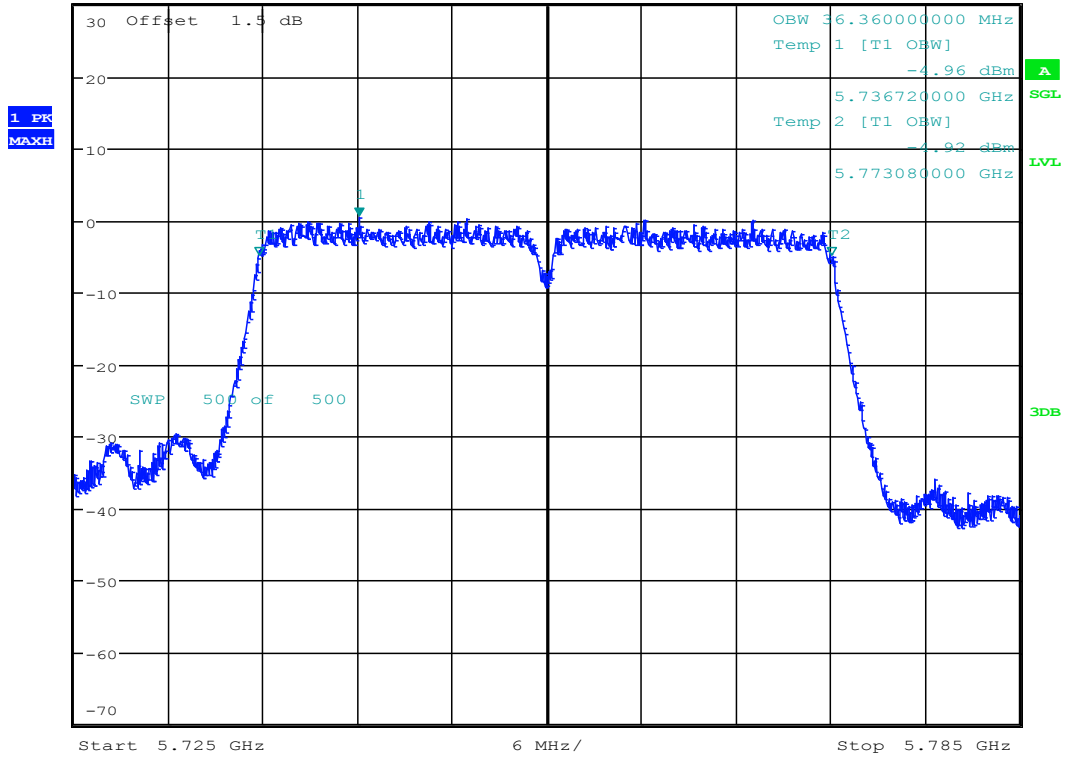




### 6.158 11AC40MIMO\_151 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      0.41 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.743060000 GHz



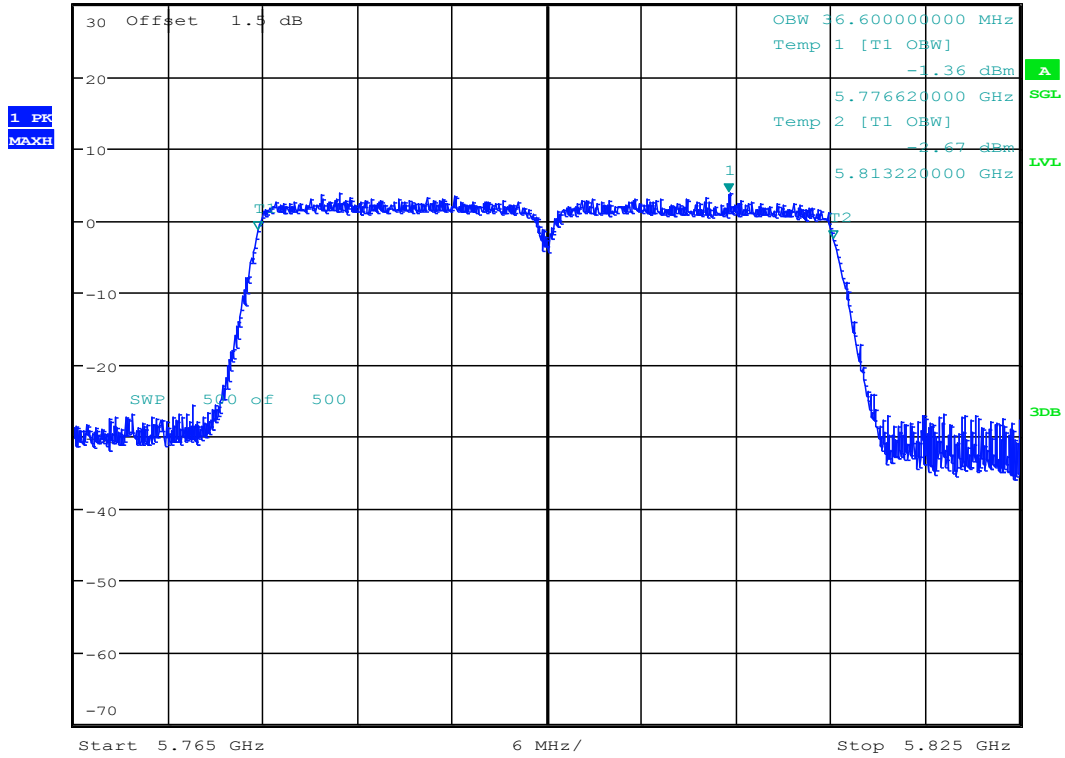
Date: 29.MAR.2018 19:28:24



### 6.159 11AC40MIMO\_159 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      3.83 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.806580000 GHz



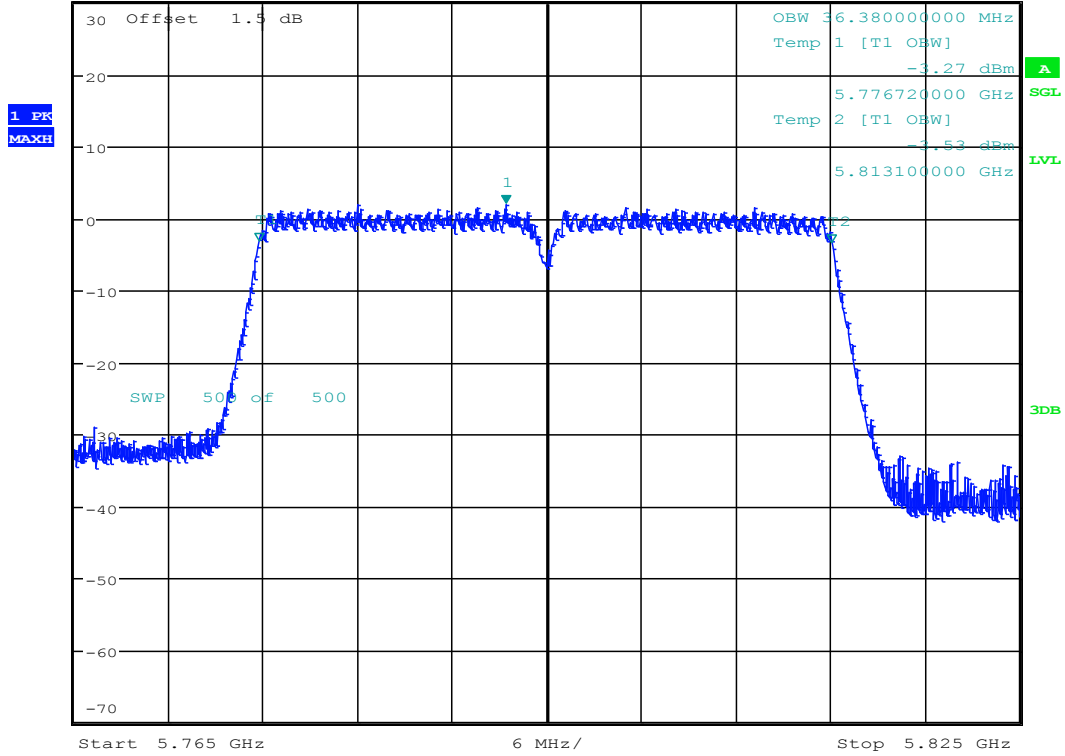
Date: 28.MAR.2018 19:53:35



### 6.160 11AC40MIMO\_159 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      1.91 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.792400000 GHz



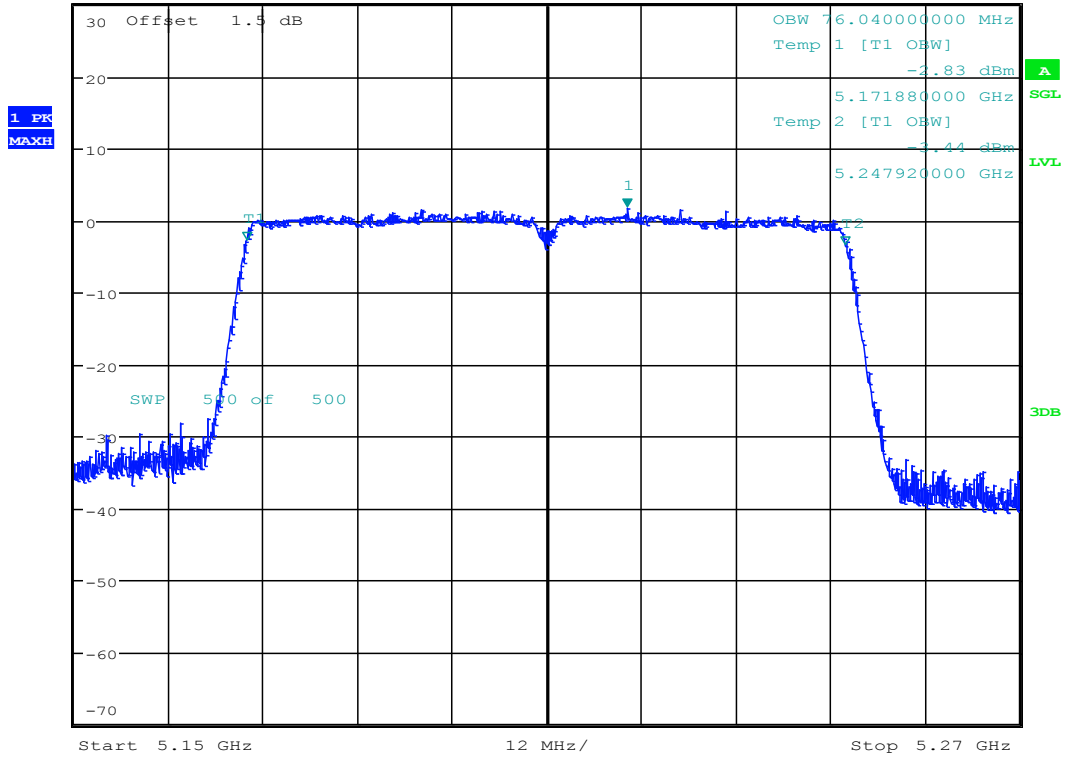
Date: 29.MAR.2018 19:31:39



### 6.161 11AC80\_42 ANT 1



\* RBW 1 MHz      Marker 1 [T1 ]  
 \* VBW 3 MHz      1.68 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.220160000 GHz



Date: 28.MAR.2018 17:19:39



### 6.162 11AC80\_42 ANT 2

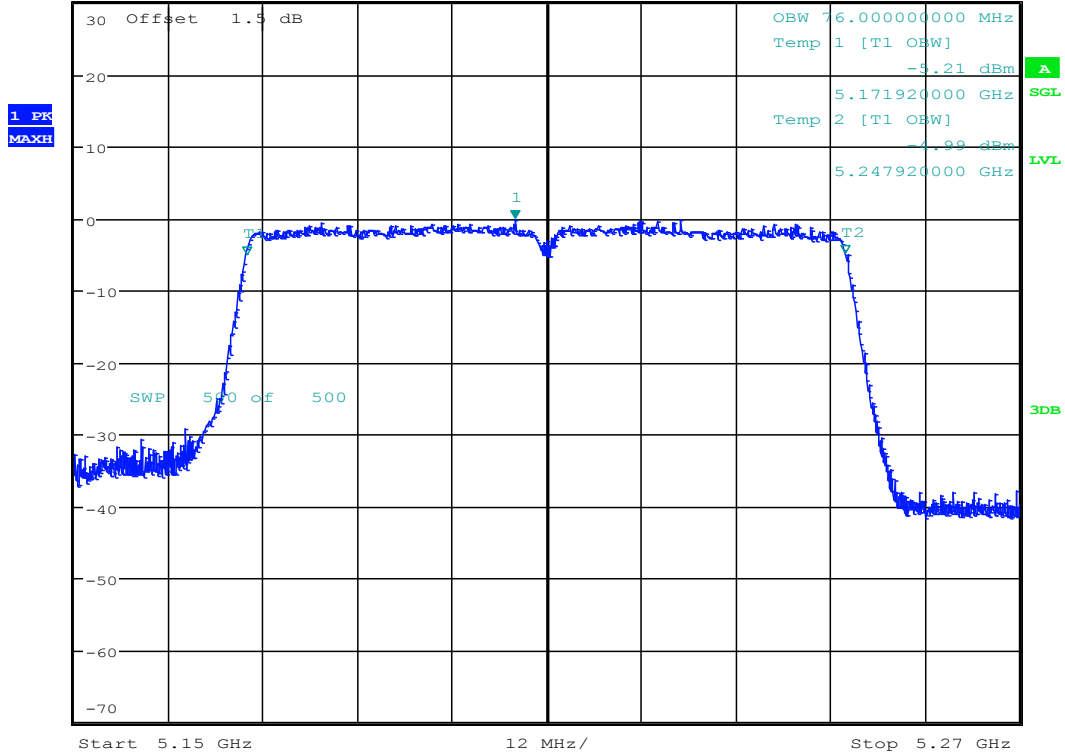


\* RBW 1 MHz  
 \* VBW 3 MHz  
 Ref 30 dBm Att 35 dB SWT 20 ms

Marker 1 [T1 ]

-0.06 dBm

5.205920000 GHz



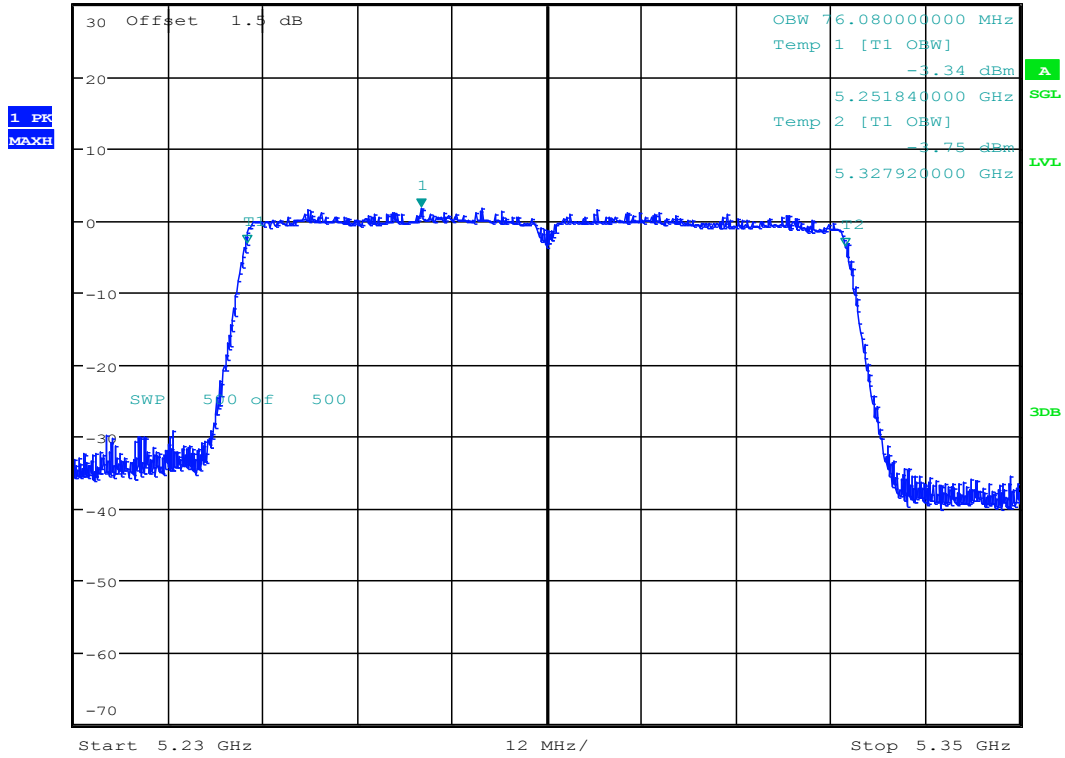
Date: 29.MAR.2018 16:16:50



### 6.163 11AC80\_58 ANT 1



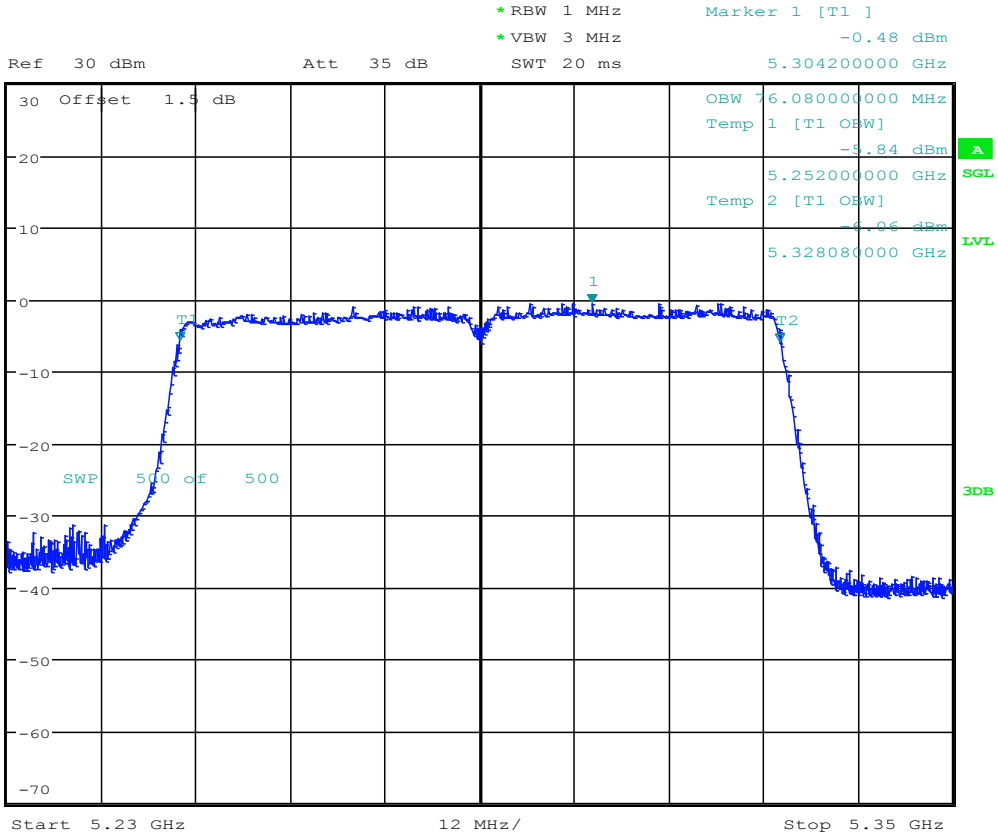
\* RBW 1 MHz      Marker 1 [T1 ]  
 \* VBW 3 MHz      1.83 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.274120000 GHz



Date: 28.MAR.2018 17:22:43



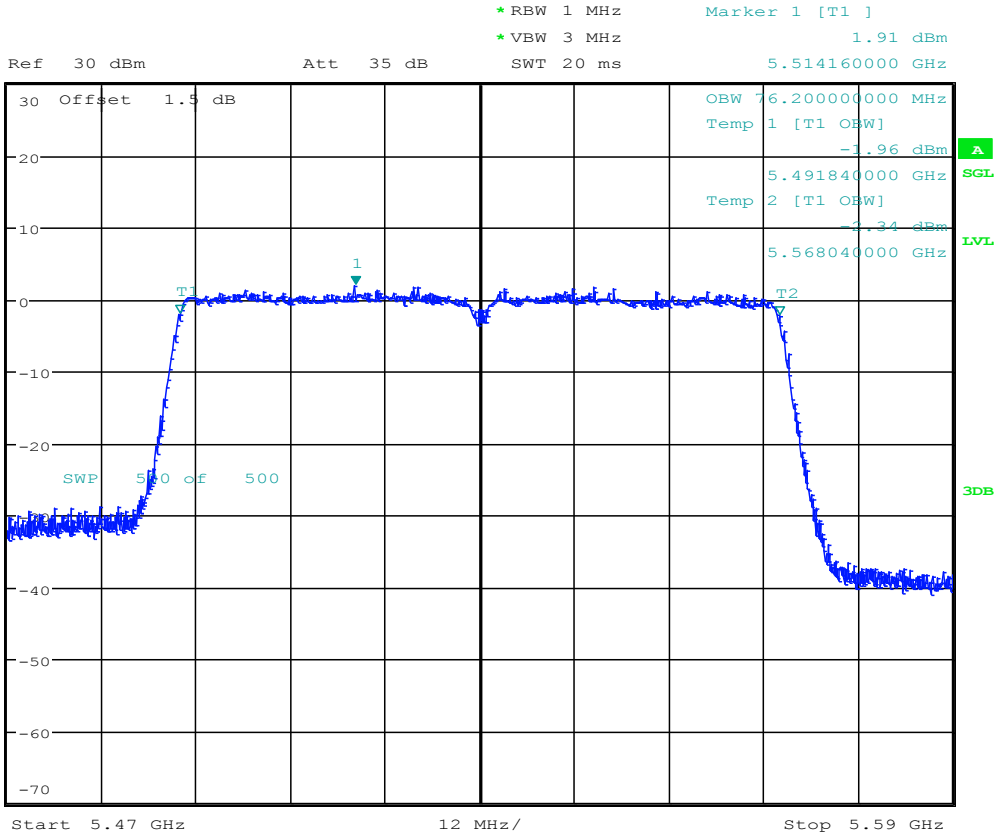
### 6.164 11AC80\_58 ANT 2



Date: 29.MAR.2018 16:21:42



### 6.165 11AC80\_106 ANT 1



Date: 28.MAR.2018 17:25:32

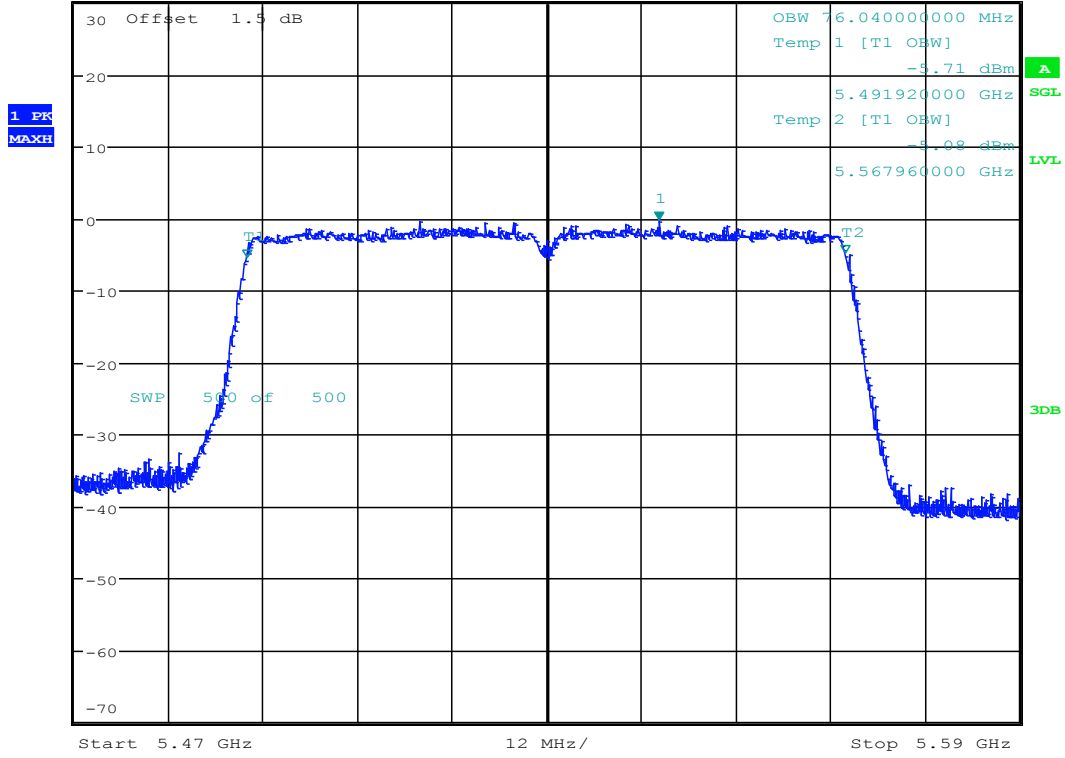




### 6.166 11AC80\_106 ANT 2



\* RBW 1 MHz      Marker 1 [T1 ]  
 \* VBW 3 MHz      -0.33 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.544280000 GHz



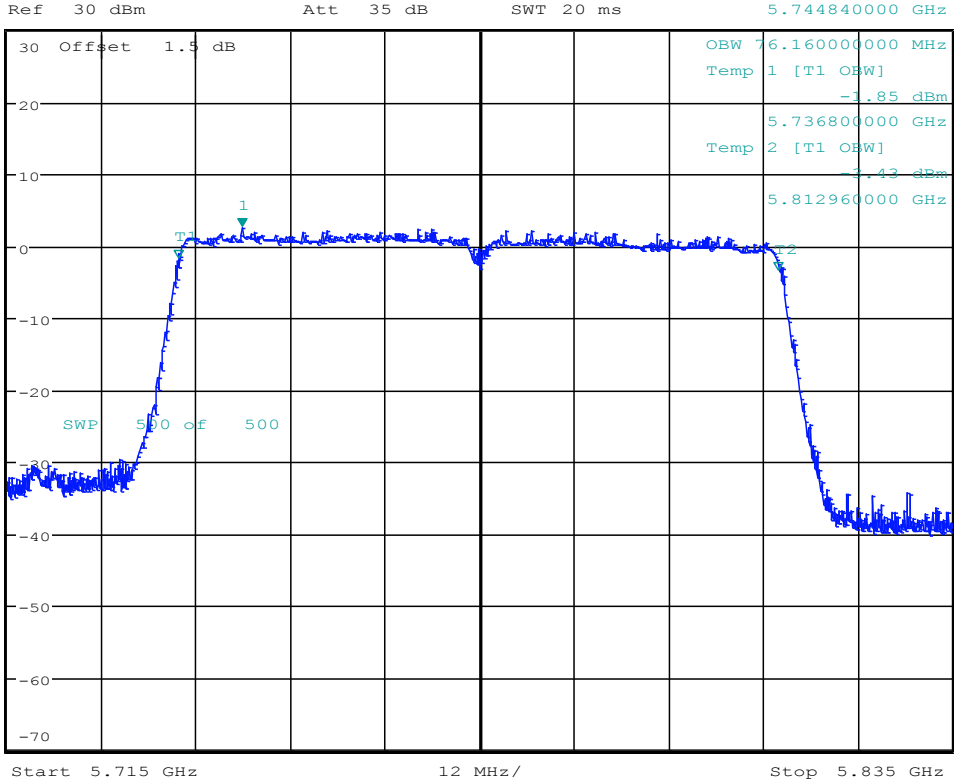
Date: 29.MAR.2018 16:24:16



### 6.167 11AC80\_155 ANT 1



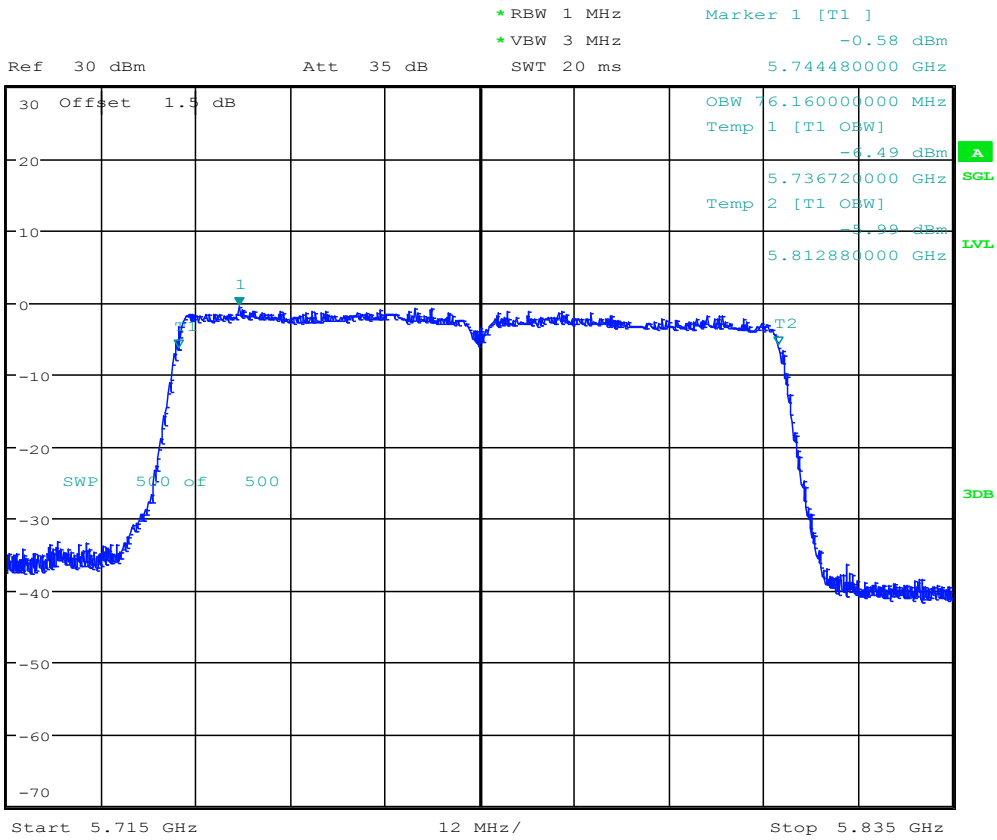
\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      2.53 dBm  
 SWT 20 ms      5.744840000 GHz



Date: 28.MAR.2018 17:30:48



### 6.168 11AC80\_155 ANT 2



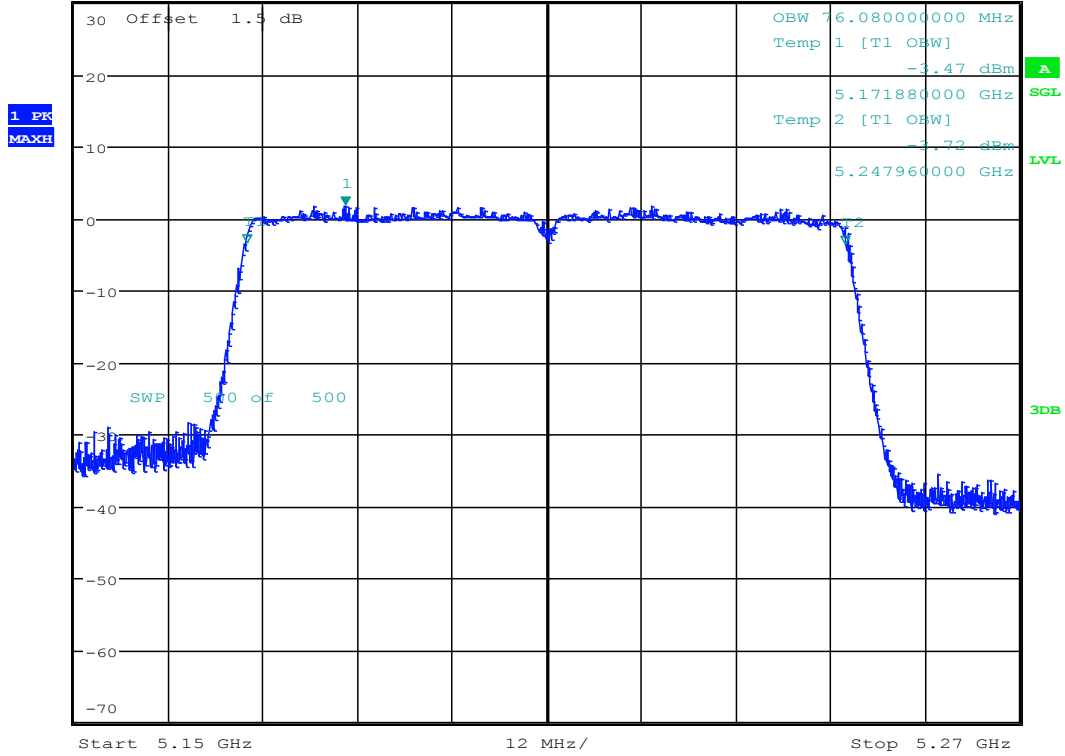
Date: 29.MAR.2018 16:30:11



### 6.169 11AC80MIMO\_42 ANT 1



\* RBW 1 MHz      Marker 1 [T1 ]  
 \* VBW 3 MHz      1.85 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.184480000 GHz



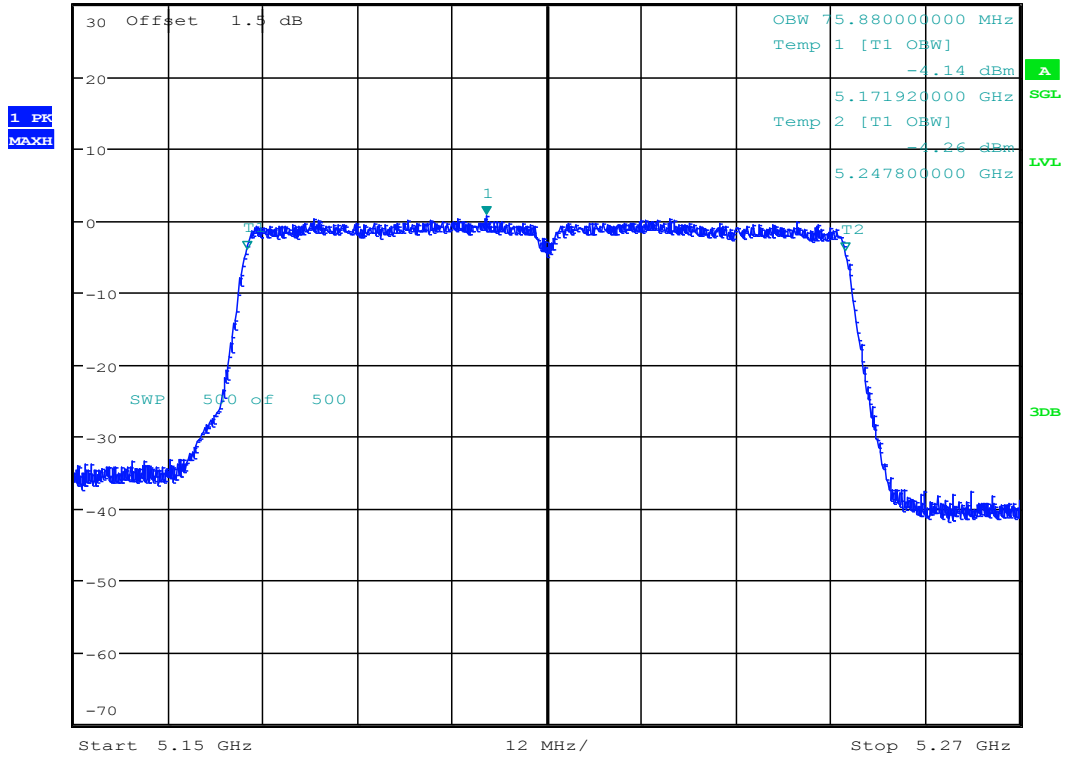
Date: 29.MAR.2018 10:45:58



### 6.170 11AC80MIMO\_42 ANT 2



\* RBW 1 MHz      Marker 1 [T1 ]  
 \* VBW 3 MHz      0.79 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.202280000 GHz



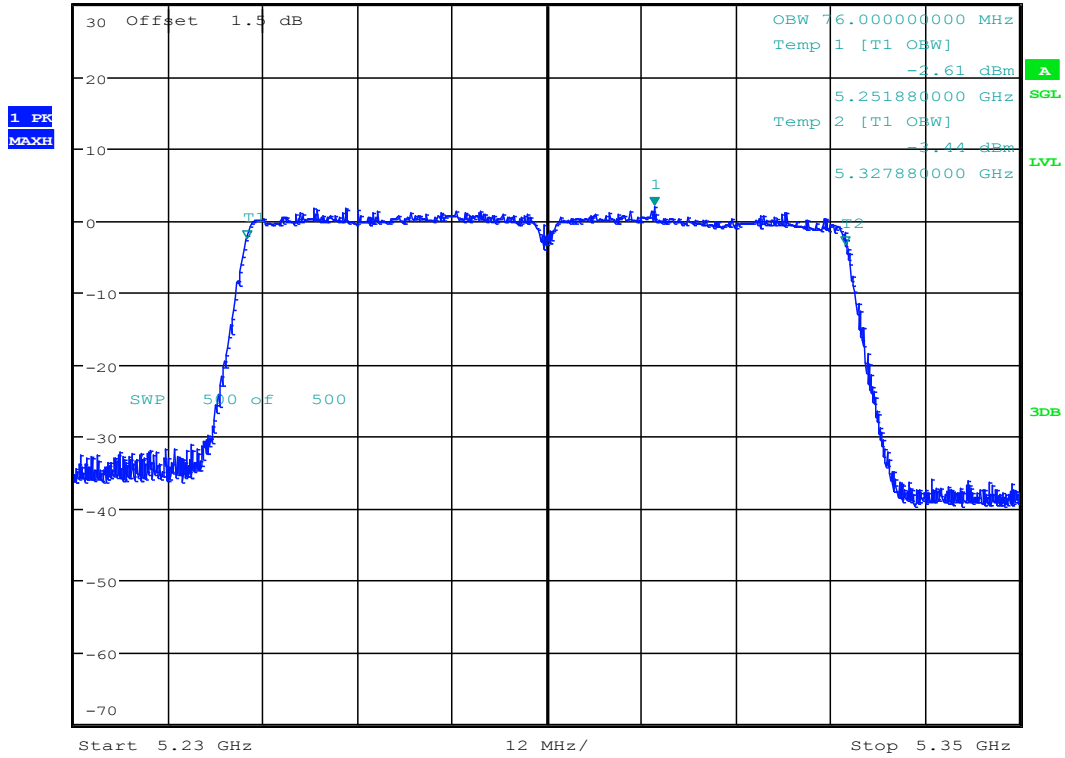
Date: 29.MAR.2018 19:35:41



### 6.171 11AC80MIMO\_58 ANT 1



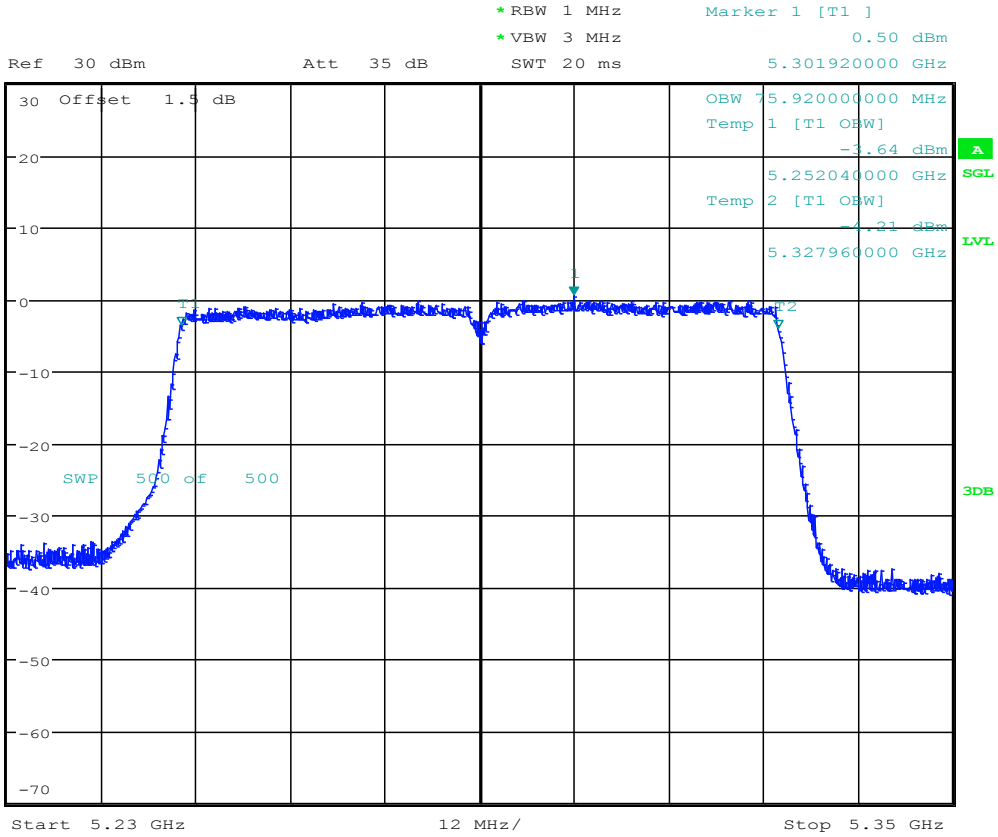
\* RBW 1 MHz      Marker 1 [T1 ]  
 \* VBW 3 MHz      1.93 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.303640000 GHz



Date: 29.MAR.2018 10:49:08



### 6.172 11AC80MIMO\_58 ANT 2



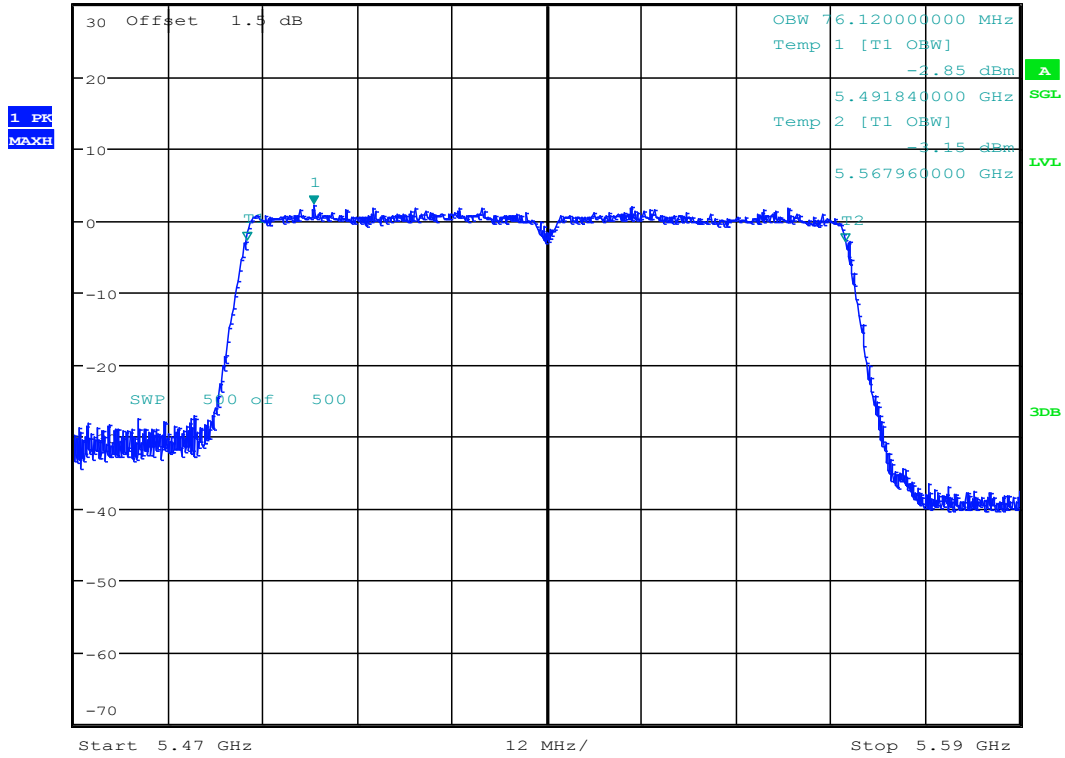
Date: 29.MAR.2018 19:38:25



### 6.173 11AC80MIMO\_106 ANT 1



\* RBW 1 MHz      Marker 1 [T1 ]  
 \* VBW 3 MHz      2.19 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.500480000 GHz

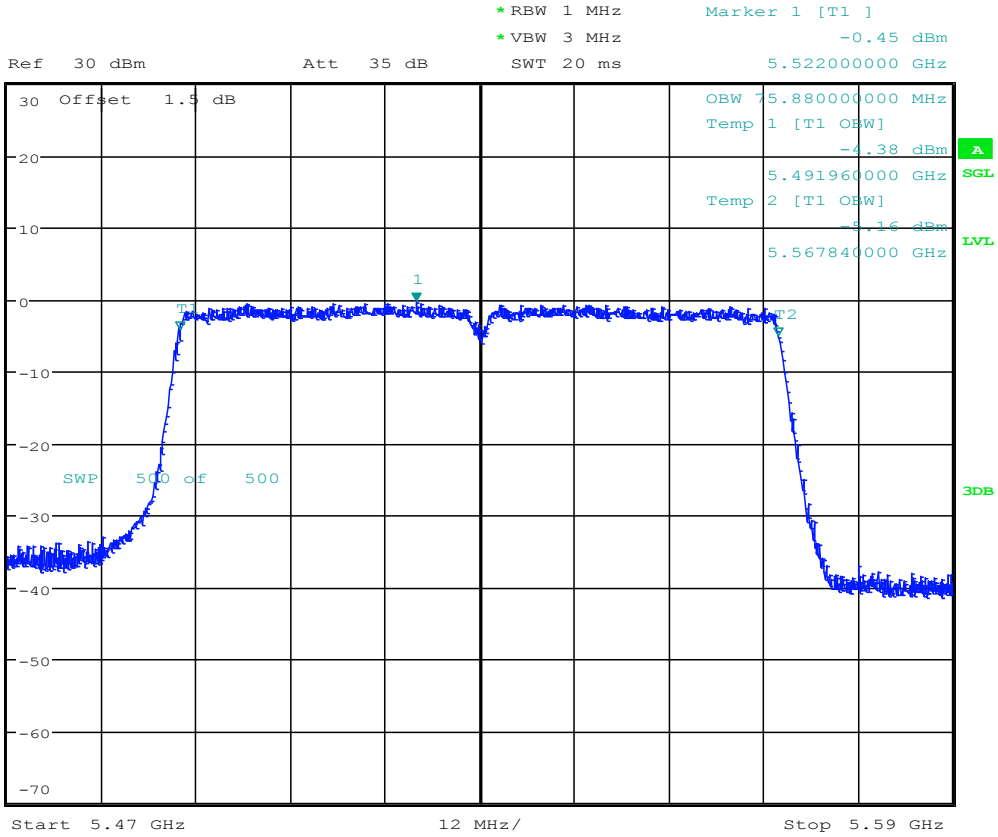


Date: 29.MAR.2018 10:52:10





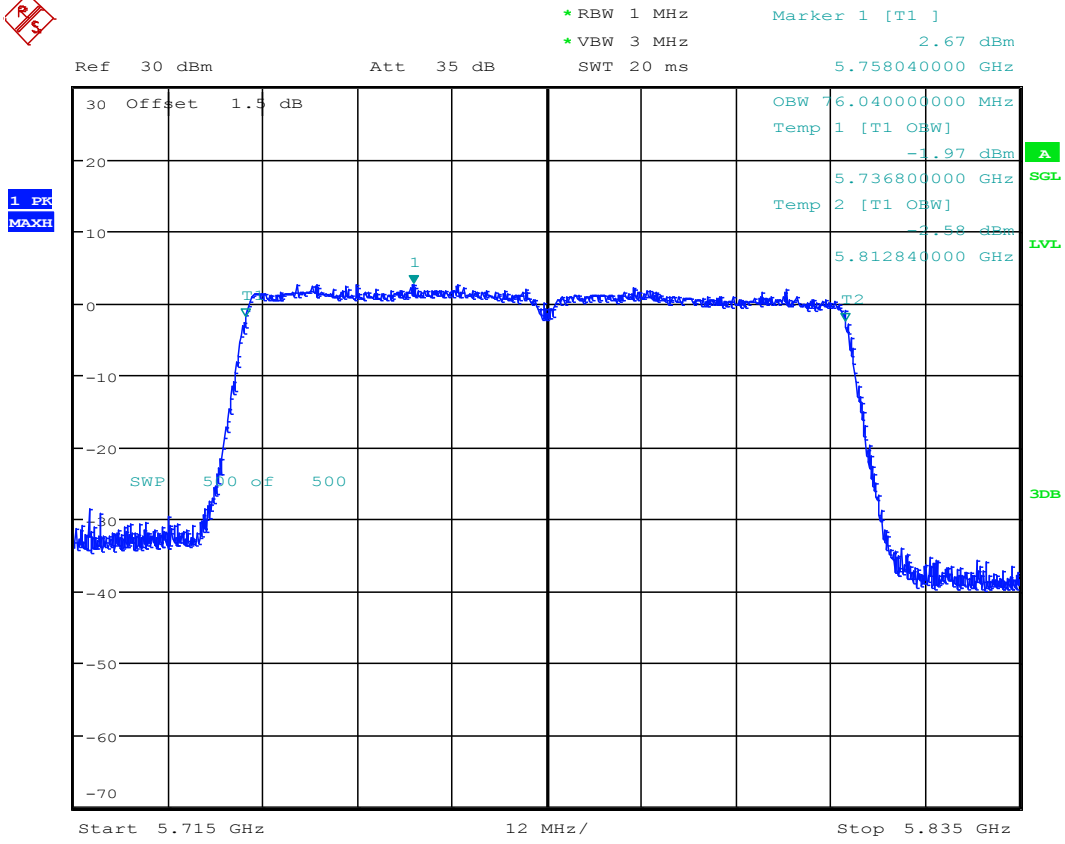
### 6.174 11AC80MIMO\_106 ANT 2



Date: 29.MAR.2018 19:40:59



### 6.175 11AC80MIMO\_155 ANT 1



Date: 29.MAR.2018 10:57:26



### 6.176 11AC80MIMO\_155 ANT 2

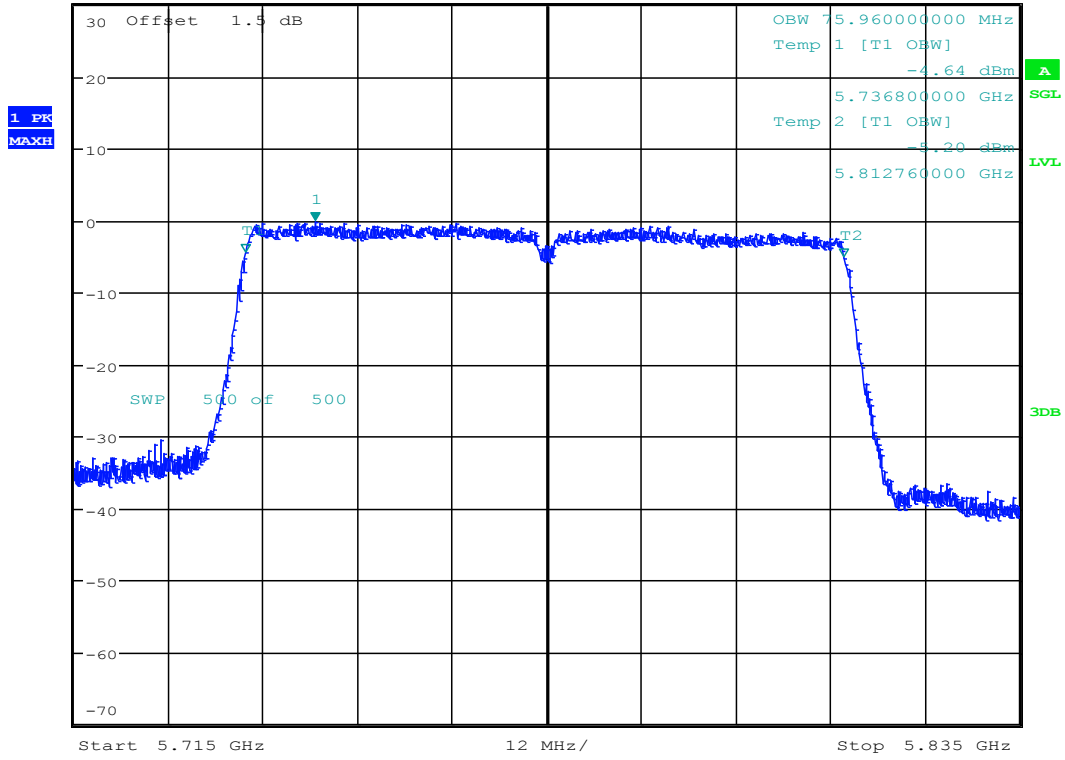


\* RBW 1 MHz  
 \* VBW 3 MHz  
 Ref 30 dBm Att 35 dB SWT 20 ms

Marker 1 [T1 ]

-0.18 dBm

5.745600000 GHz



Date: 29.MAR.2018 19:46:17



# Appendix C: Duty Cycle



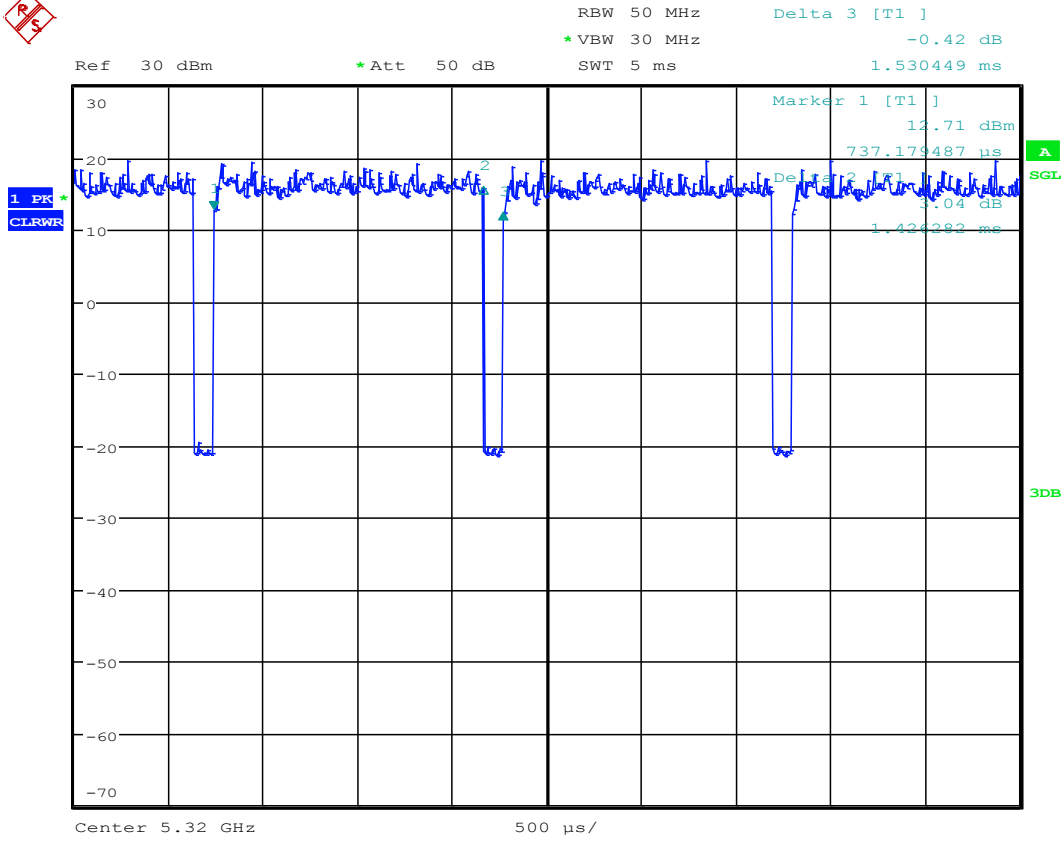
## 7 Part I - Test Results

Test Mode	Antenna Port	Duty cycle [%]
11A	Ant 1	93
	Ant 2	93
11A CDD	Ant 1	93
	Ant 2	93
11N20	Ant 1	93
	Ant 2	93
11N20M	Ant 1	87
	Ant 2	87
11N40	Ant 1	92
	Ant 2	92
11N40M	Ant 1	87
	Ant 2	87
11AC20	Ant 1	93
	Ant 2	93
11AC20M	Ant 1	87
	Ant 2	87
11AC40	Ant 1	92
	Ant 2	92
11AC40M	Ant 1	88
	Ant 2	88
11AC80	Ant 1	91
	Ant 2	91
11AC80M	Ant 1	86
	Ant 2	86



### 8 Test Plot

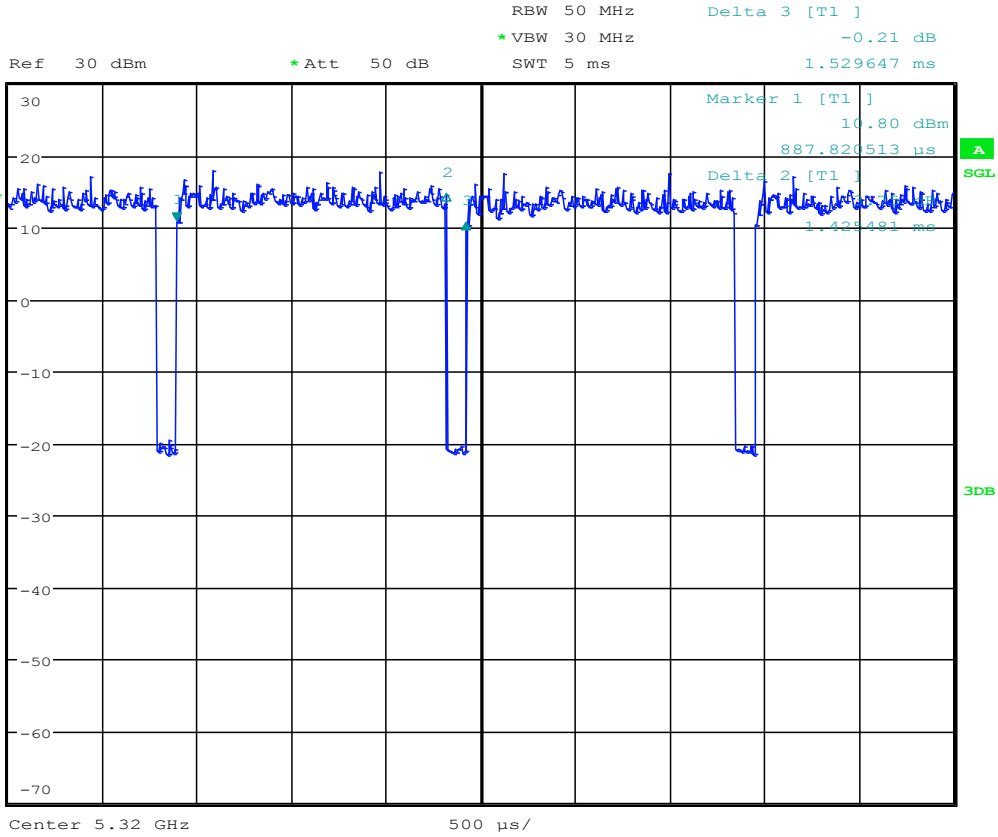
#### 8.1 11A20\_ANT1



Date: 28.MAR.2018 11:02:43



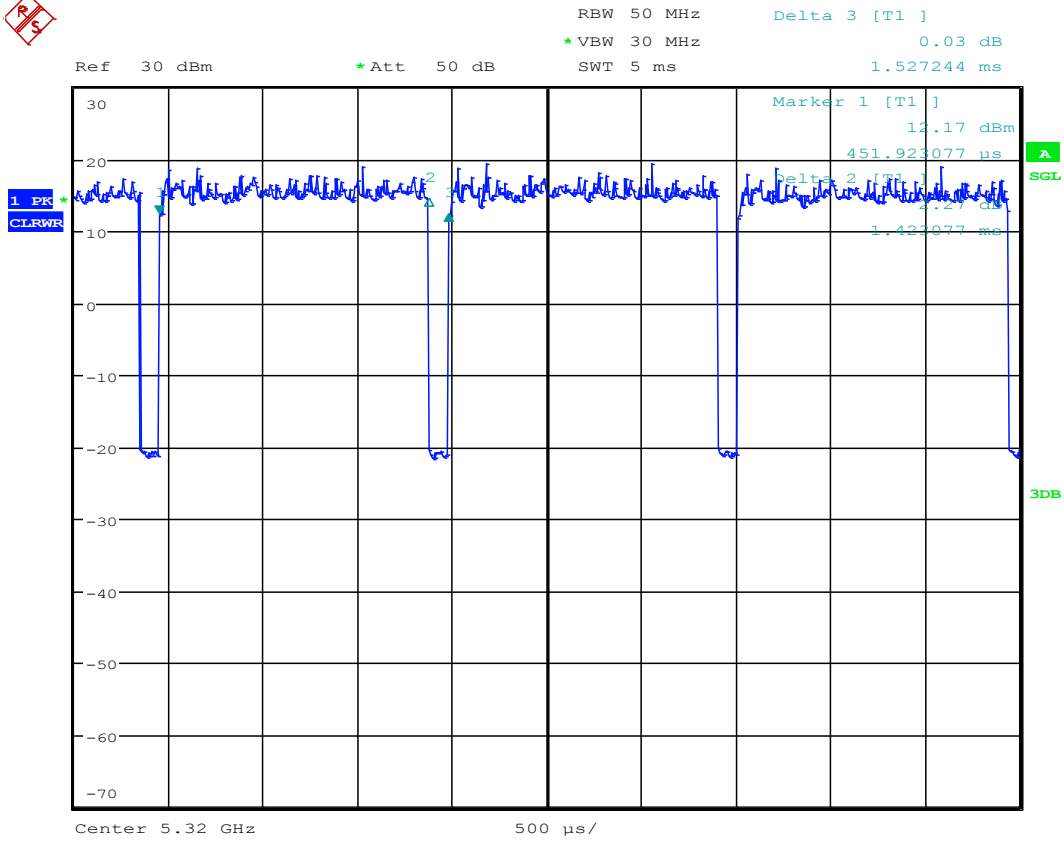
### 8.2 11A20\_ANT2



Date: 28.MAR.2018 11:59:11



### 8.3 11A20\_CDD\_ANT1

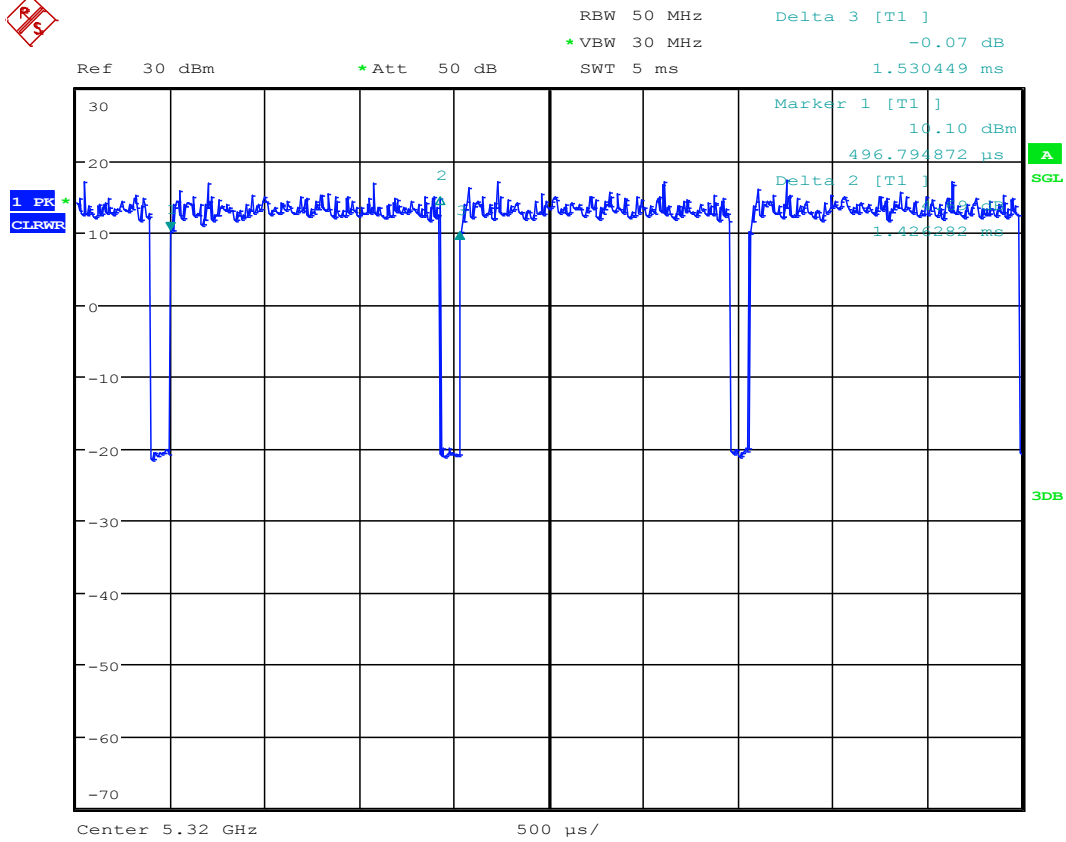


Date: 28.MAR.2018 11:36:06





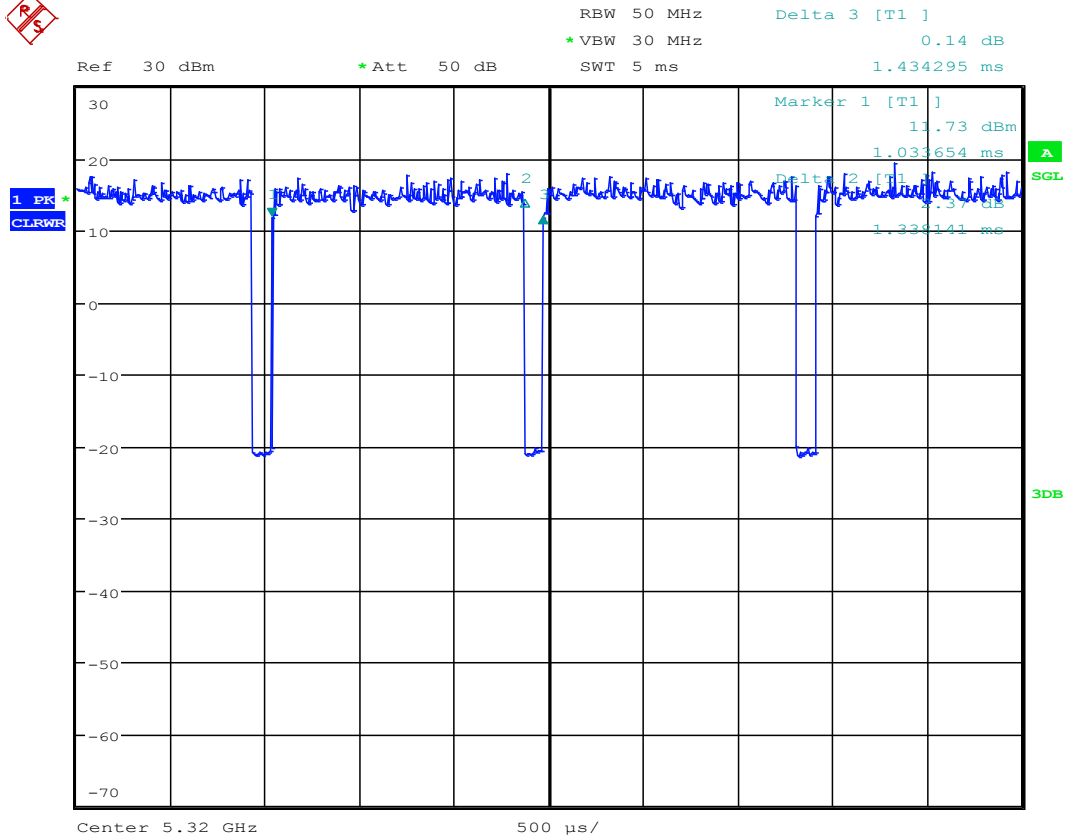
### 8.4 11A20\_CDD\_ANT2



Date: 28.MAR.2018 12:17:26



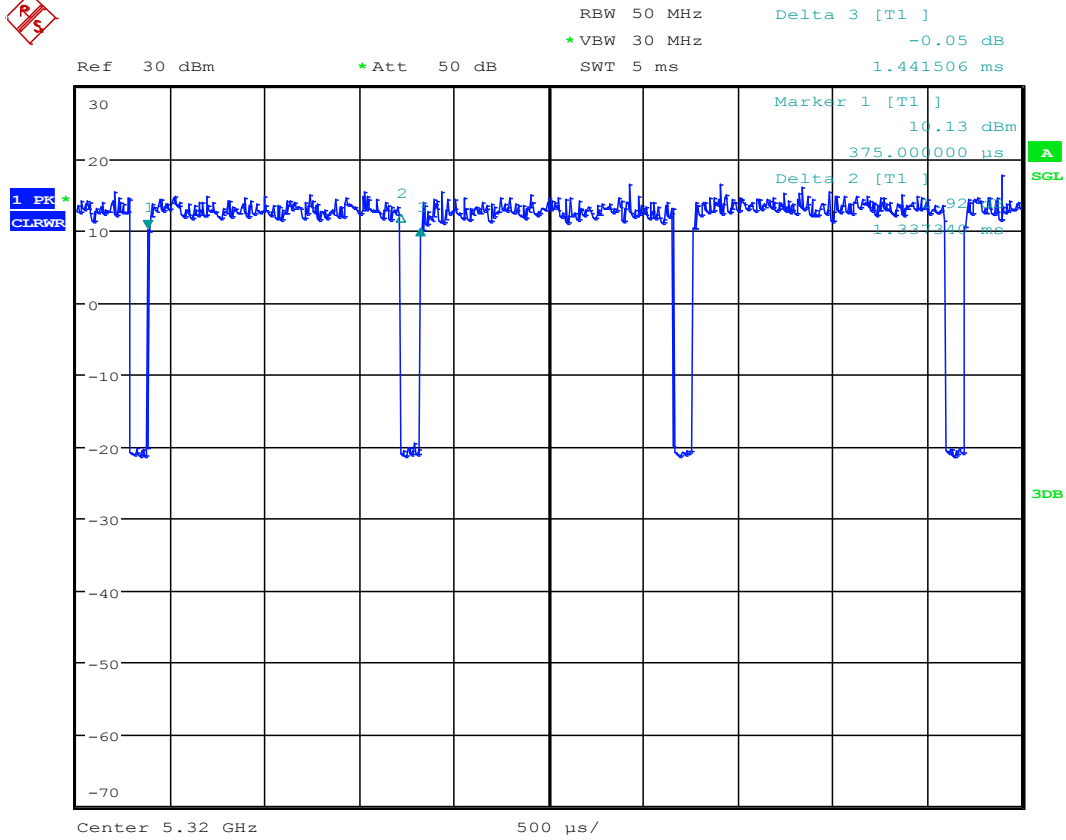
### 8.5 11N20\_ANT1



Date: 28.MAR.2018 11:06:13



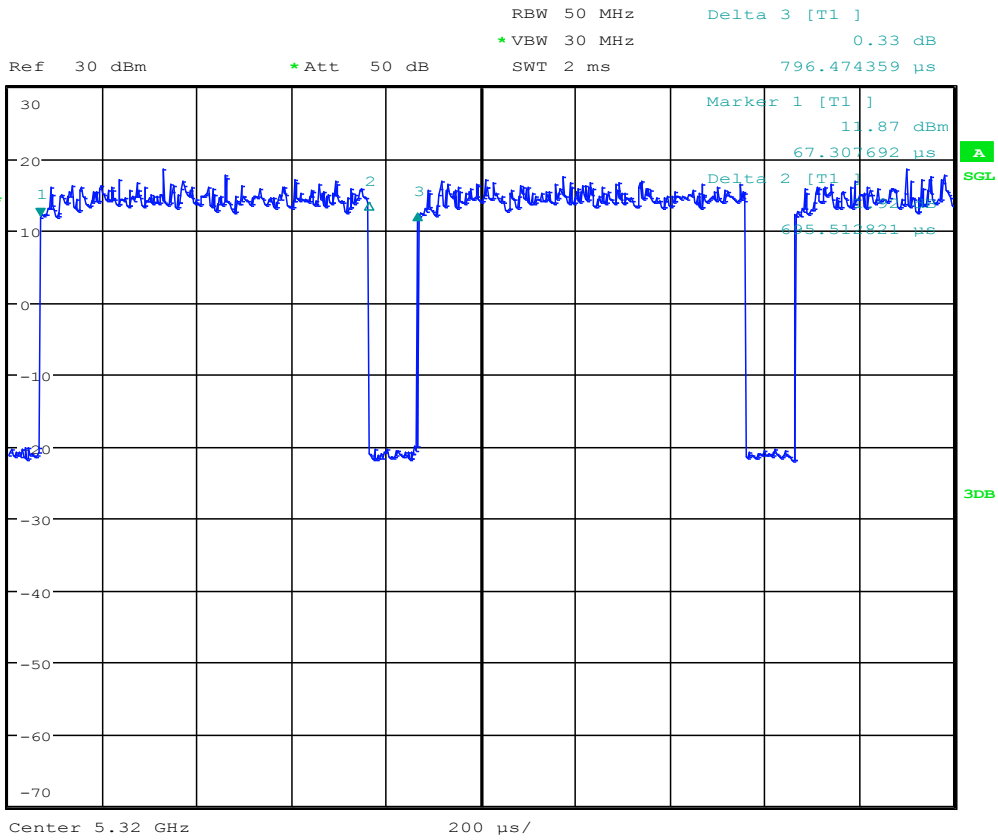
### 8.6 11N20\_ANT2



Date: 28.MAR.2018 12:01:08



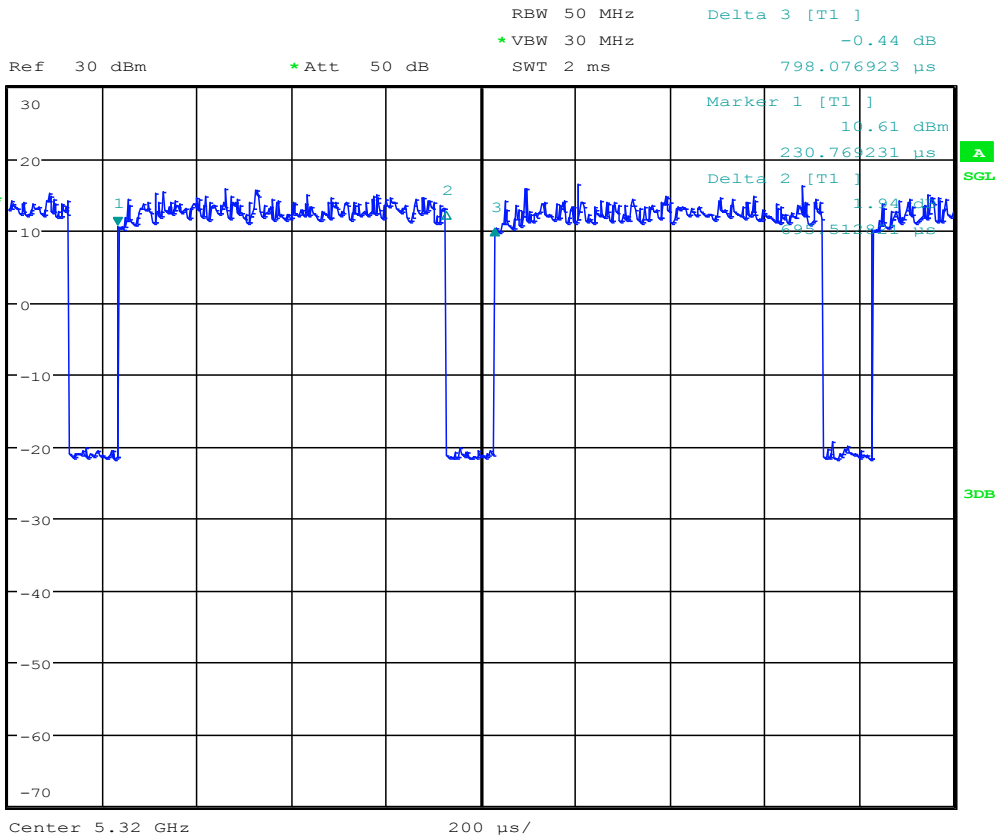
### 8.7 11N20MIMO\_ANT1



Date: 28.MAR.2018 11:39:25



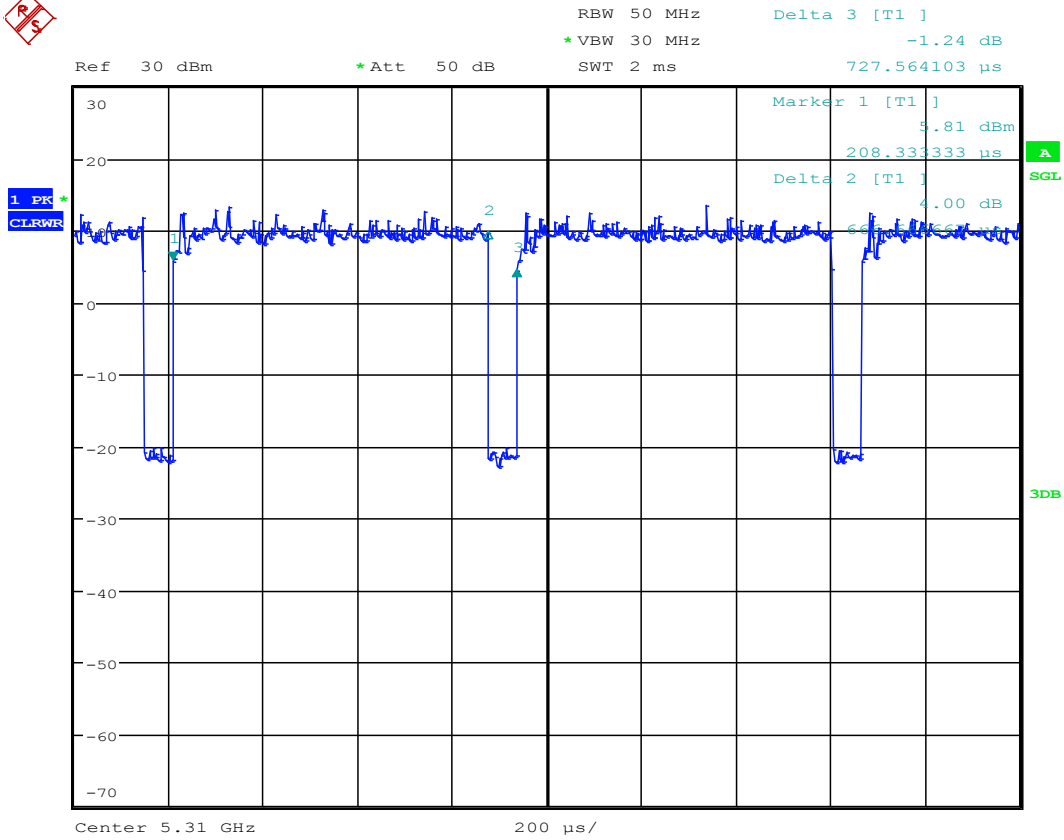
### 8.8 11N20MIMO\_ANT2



Date: 28.MAR.2018 12:20:16



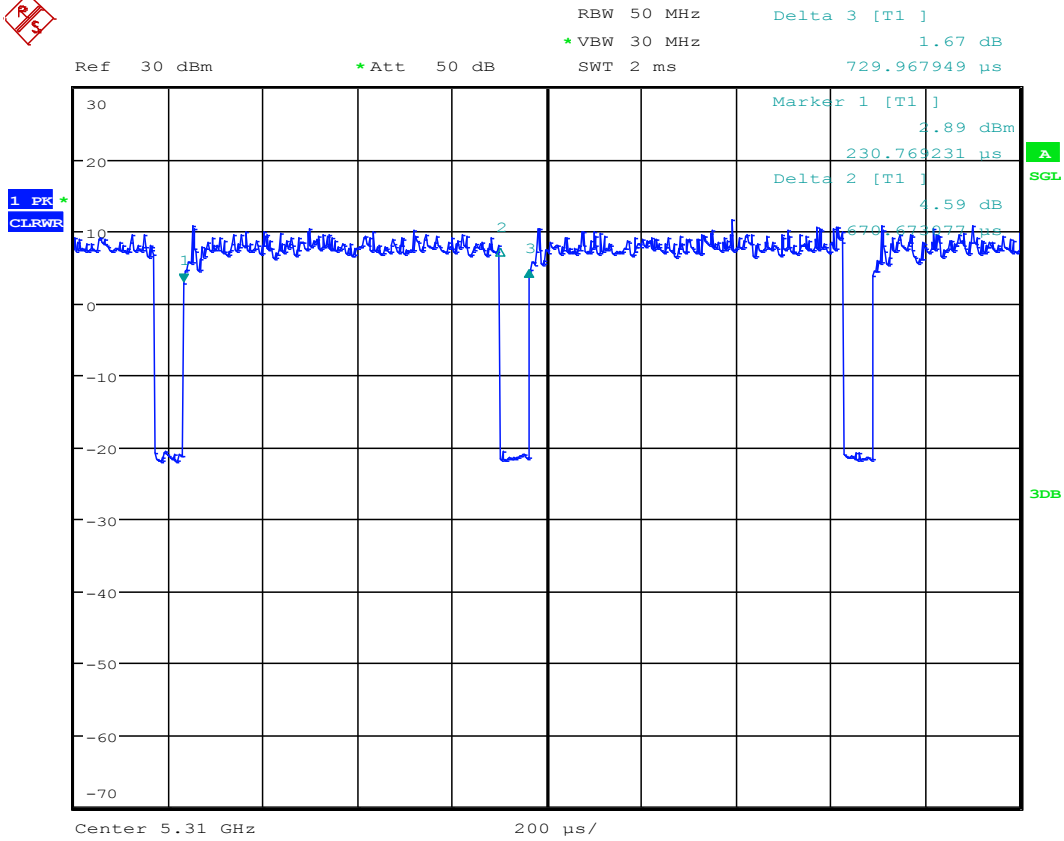
### 8.9 11N40\_ANT1



Date: 28.MAR.2018 11:13:42



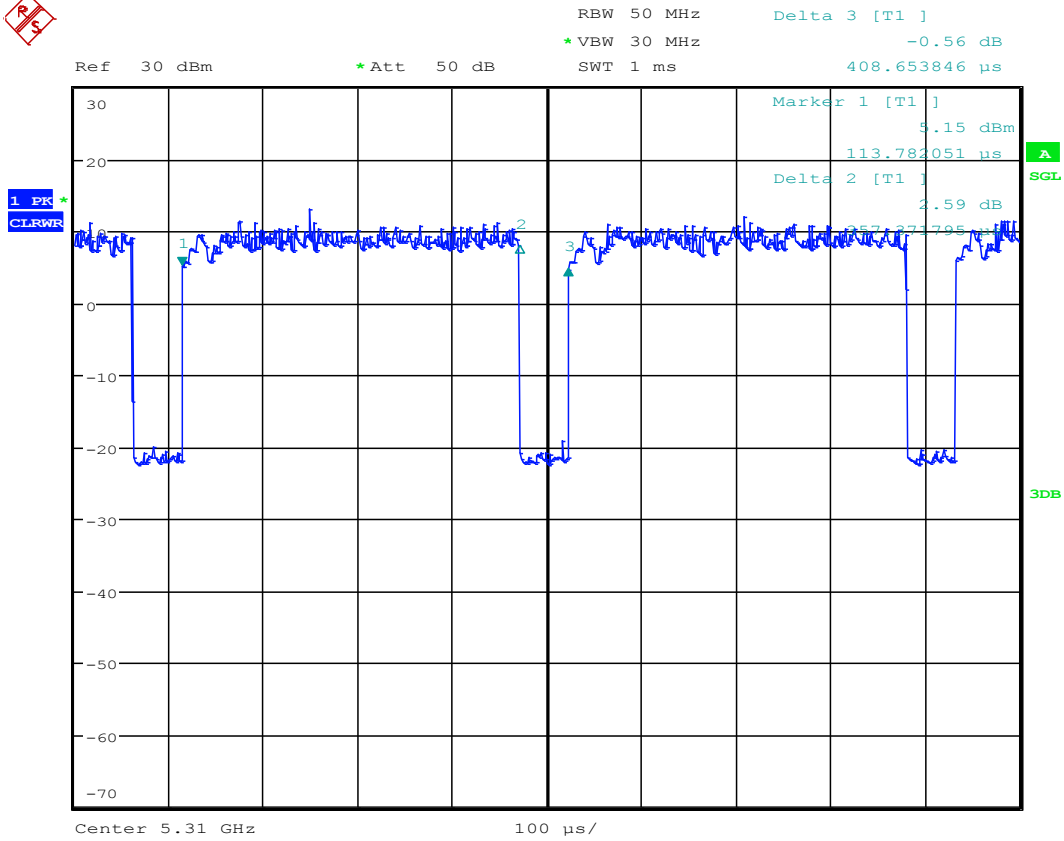
### 8.1011N40\_ANT2



Date: 28.MAR.2018 12:04:14



### 8.1111N40MIMO\_ANT1

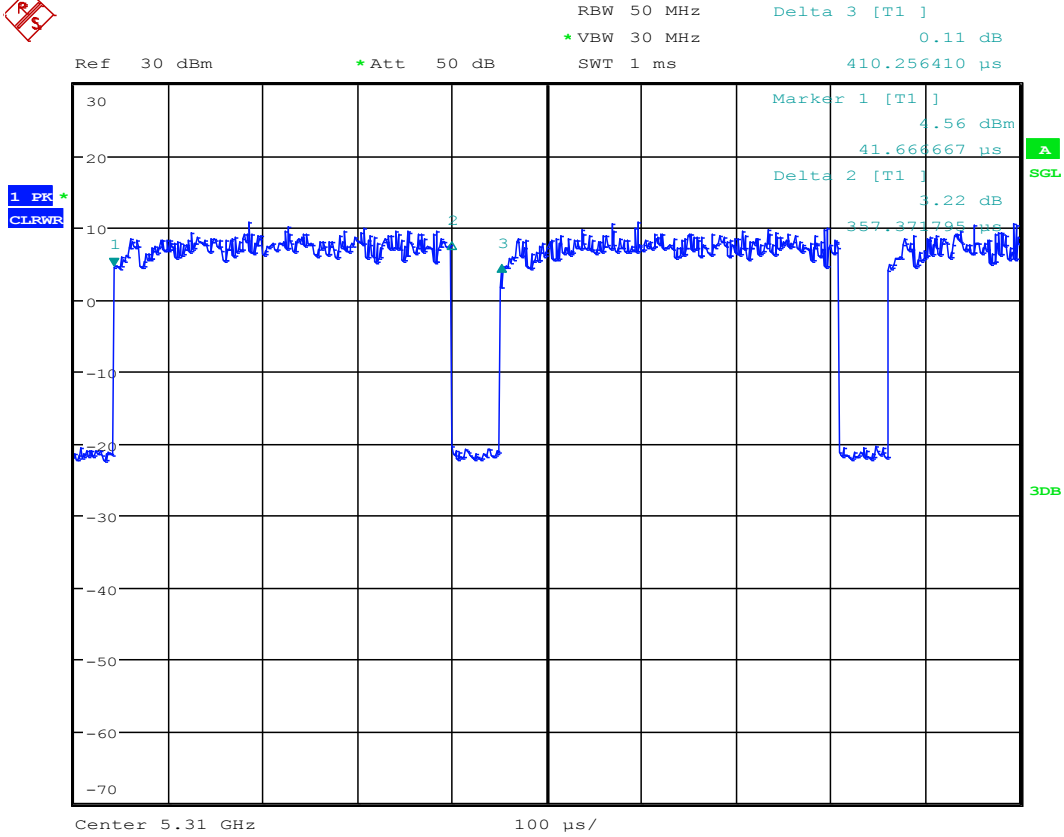


Date: 28.MAR.2018 11:42:04





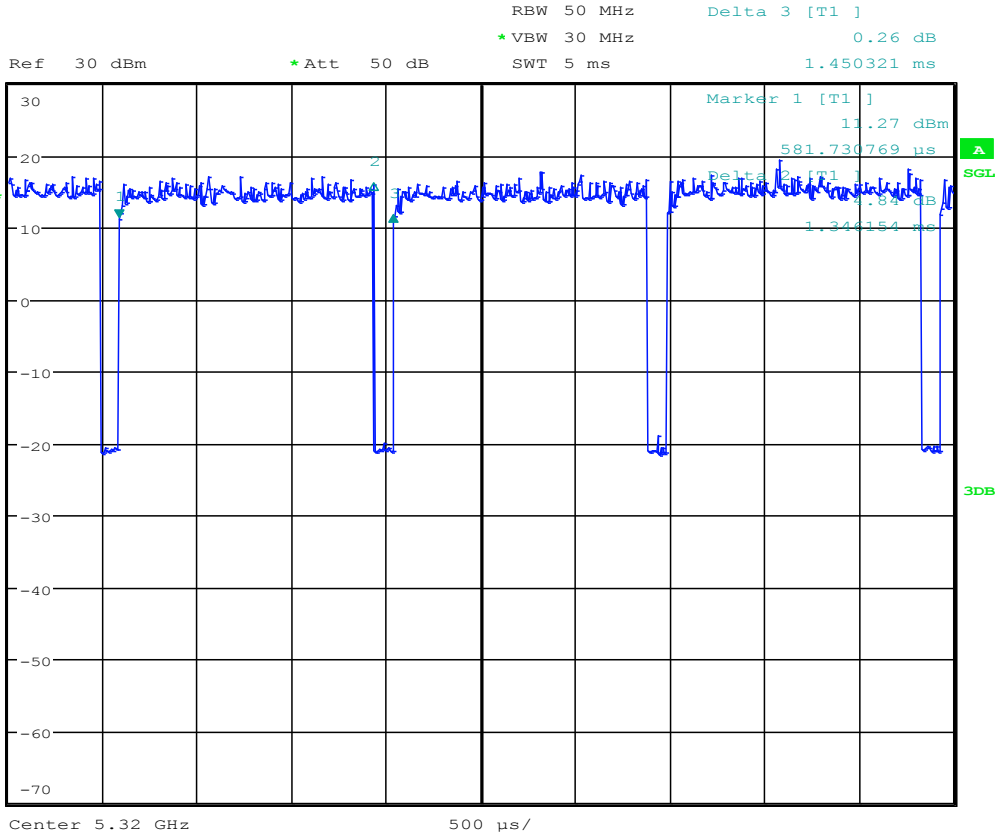
### 8.1211N40MIMO\_ANT2



Date: 28.MAR.2018 12:23:21



### 8.1311AC20\_ANT1



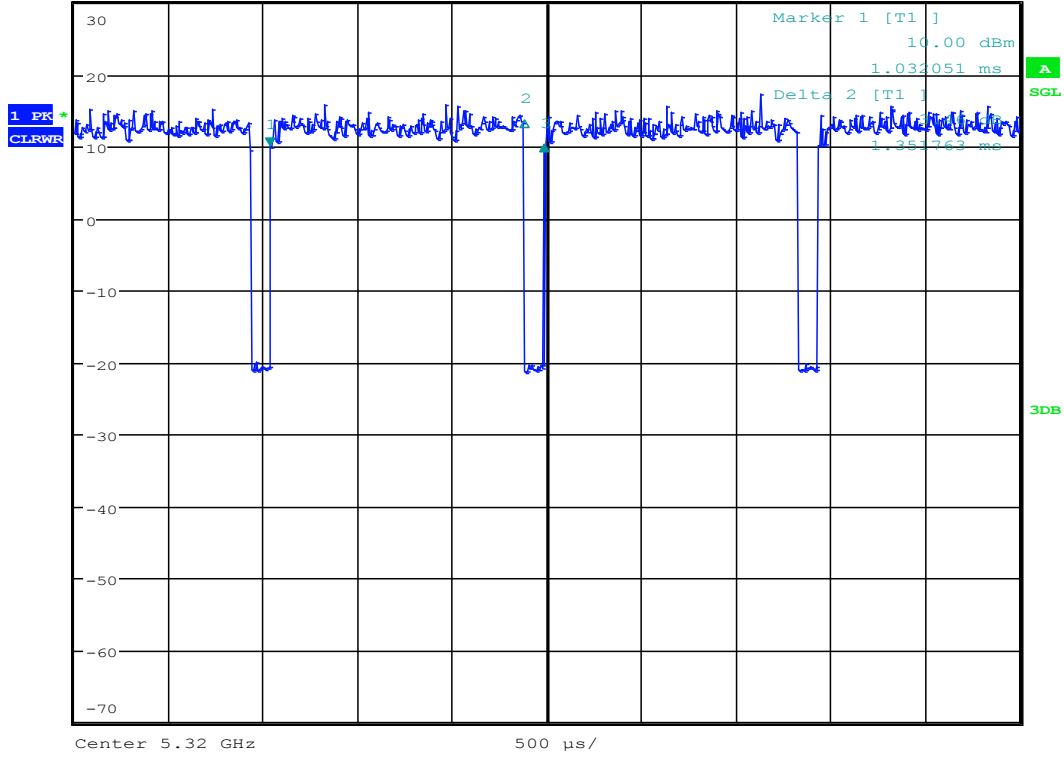
Date: 28.MAR.2018 11:19:22



### 8.1411AC20\_ANT2



RBW 50 MHz      Delta 3 [T1 ]  
\* VBW 30 MHz      0.05 dB  
Ref 30 dBm      \* Att 50 dB      SWT 5 ms      1.451122 ms



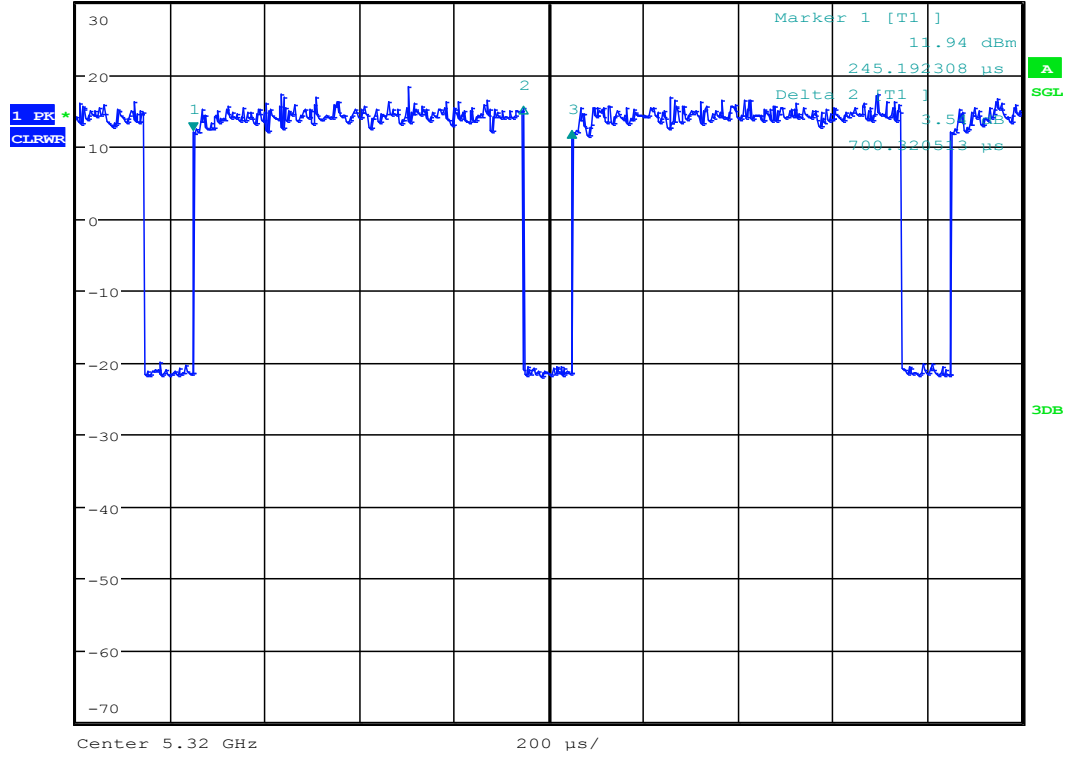
Date: 28.MAR.2018 12:07:59



### 8.1511AC20MIMO\_ANT1



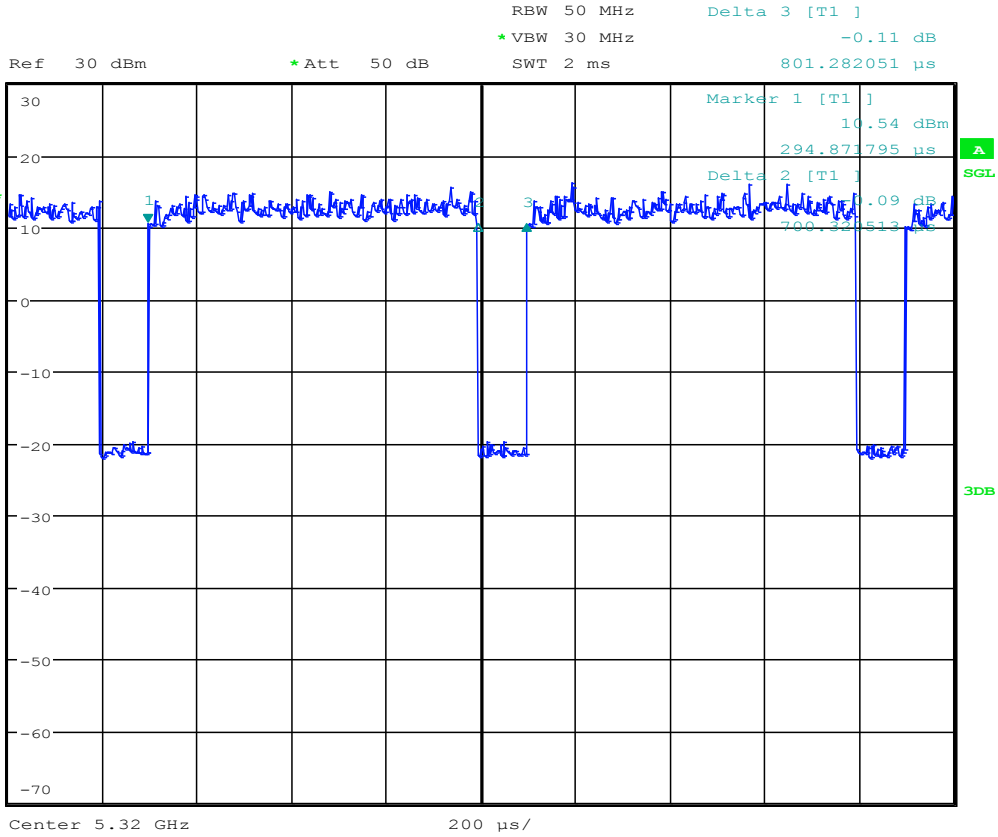
RBW 50 MHz      Delta 3 [T1 ]  
 \*VBW 30 MHz      0.11 dB  
 Ref 30 dBm      \*Att 50 dB      SWT 2 ms      802.884615  $\mu$ s



Date: 28.MAR.2018 11:44:29



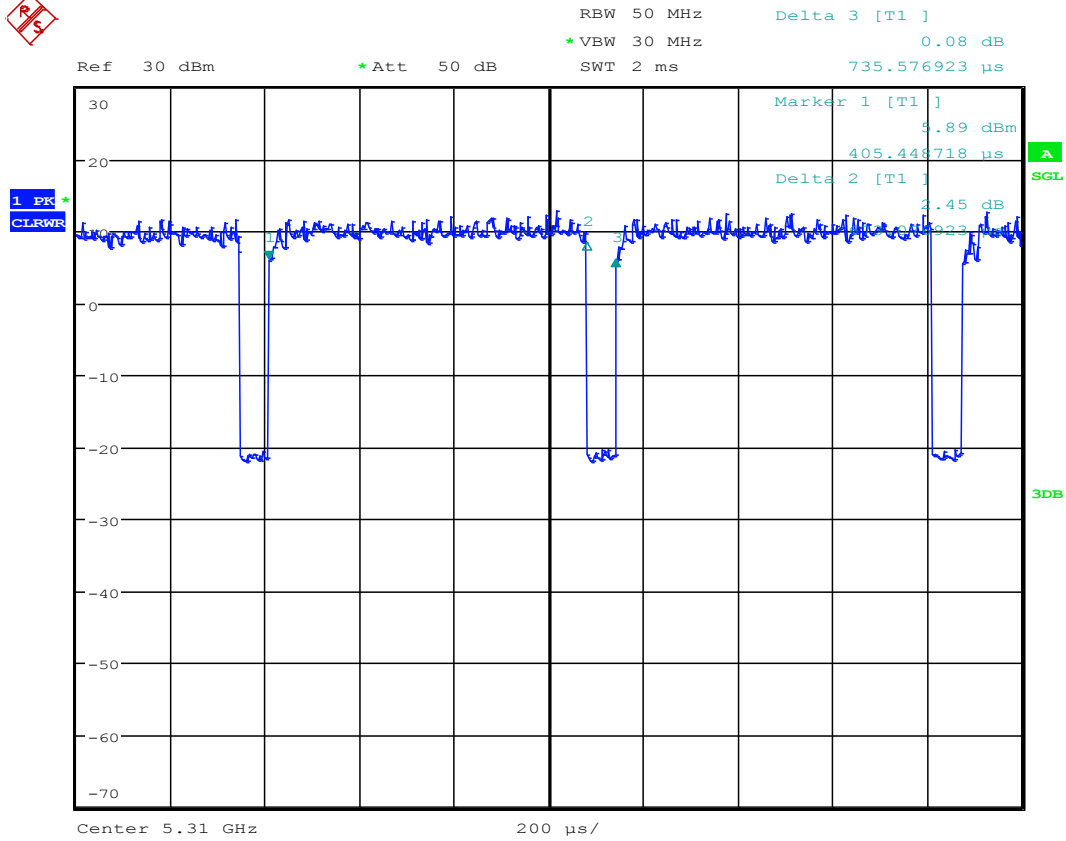
### 8.1611AC20MIMO\_ANT2



Date: 28.MAR.2018 12:26:49



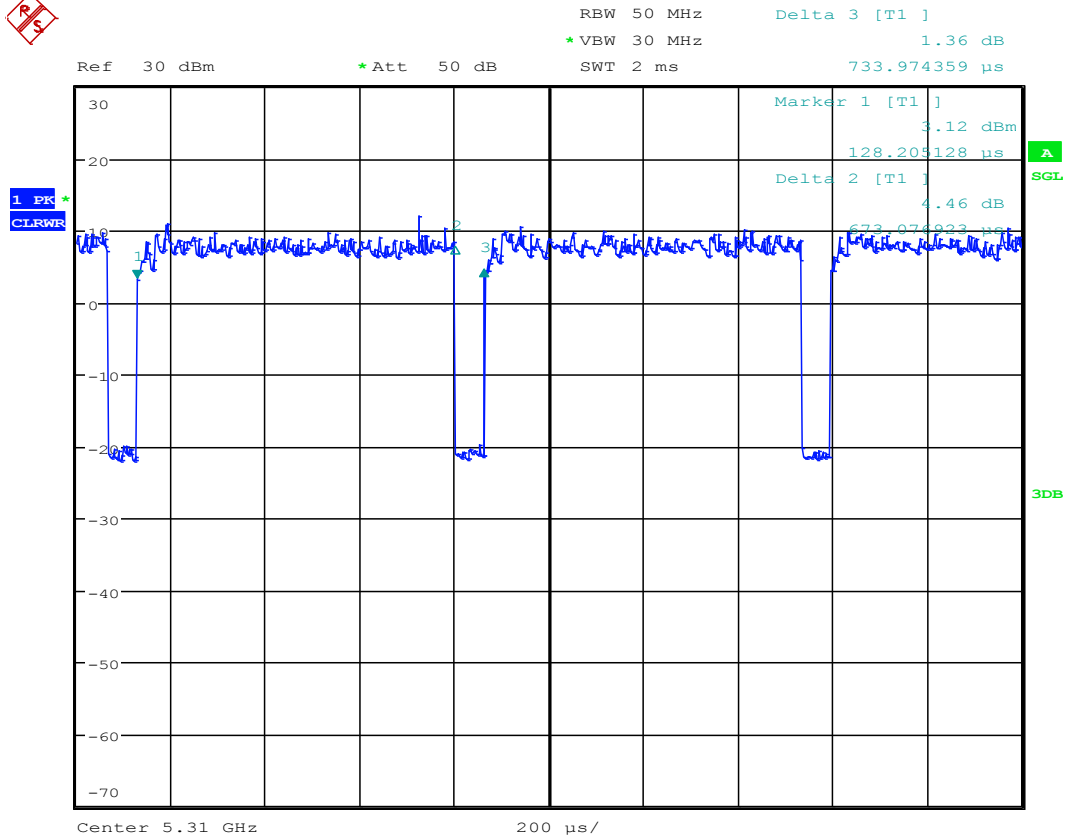
### 8.1711AC40\_ANT1



Date: 28.MAR.2018 11:21:58



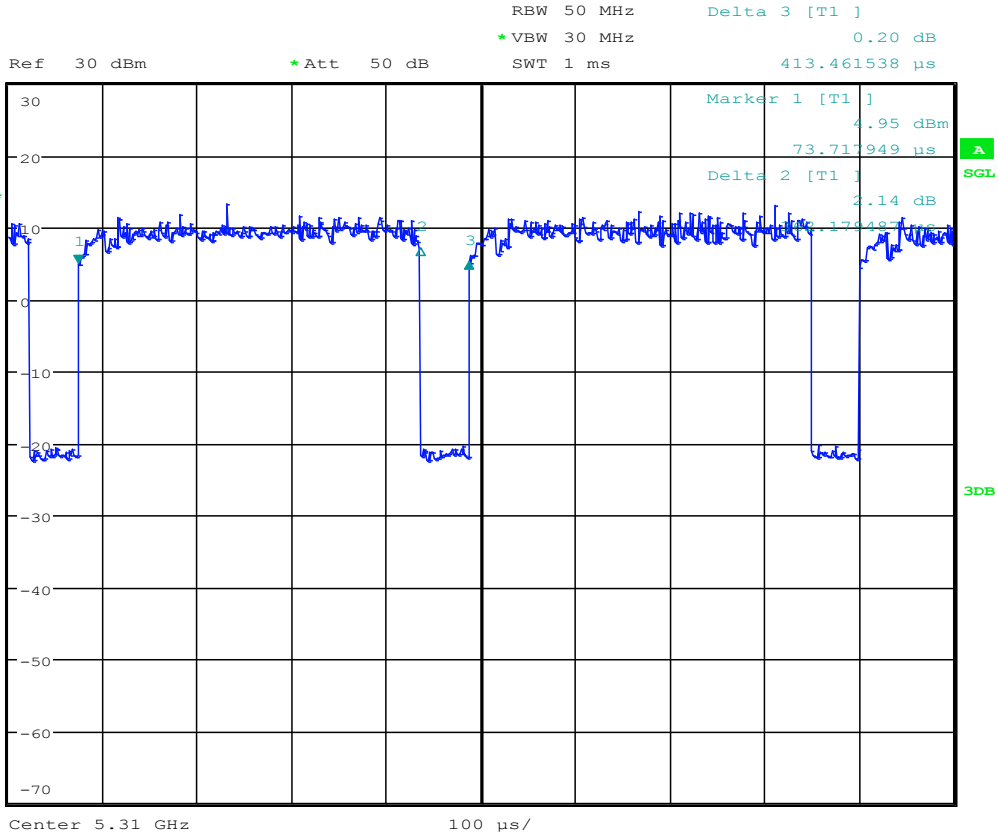
### 8.1811AC40\_ANT2



Date: 28.MAR.2018 12:10:38



### 8.1911AC40MIMO\_ANT1

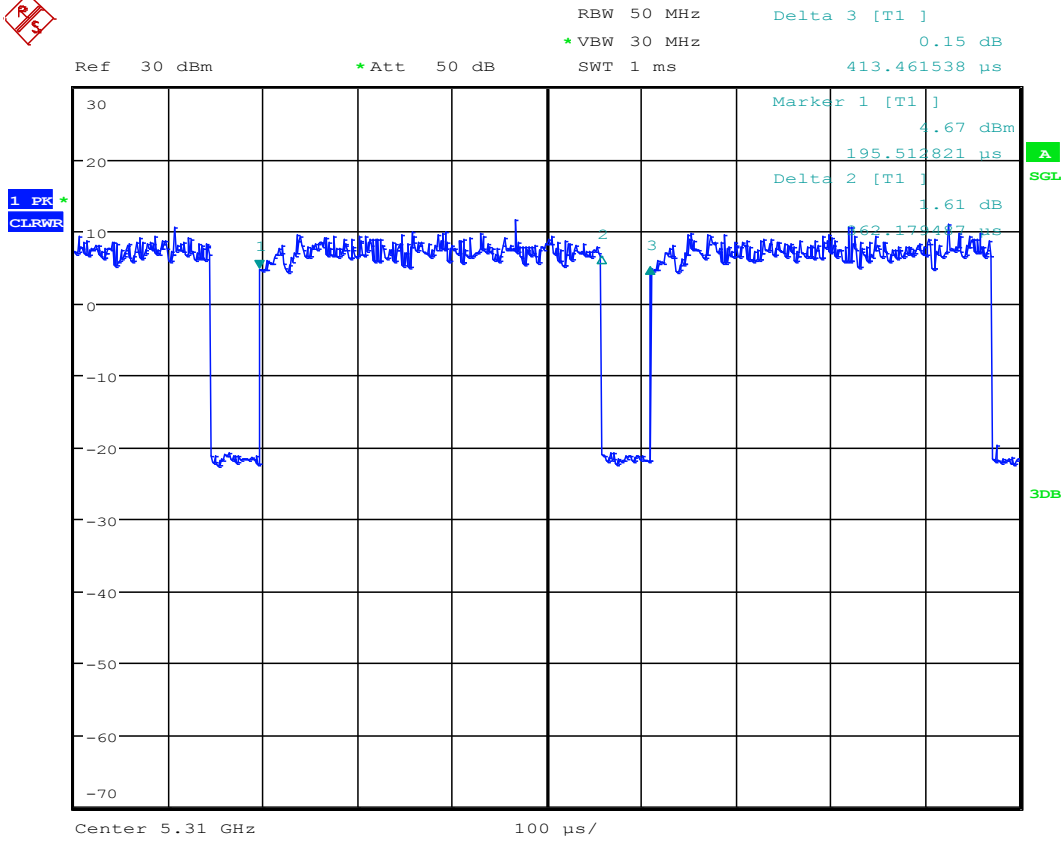


Date: 28.MAR.2018 11:47:24





### 8.2011AC40MIMO\_ANT2



Date: 28.MAR.2018 12:29:33

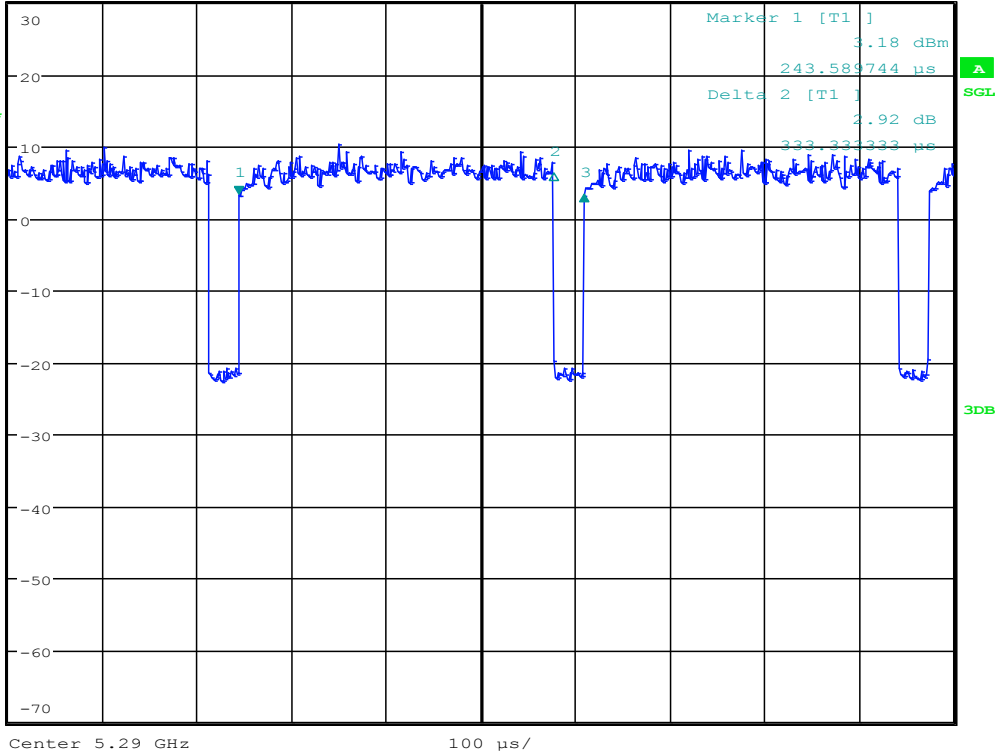


### 8.2111AC80\_ANT1



RBW 50 MHz      Delta 3 [T1 ]  
 \* VBW 30 MHz      0.00 dB  
 Ref 30 dBm      \* Att 50 dB      SWT 1 ms      365.384615  $\mu$ s

1 PK\*  
 CLRWR



Date: 28.MAR.2018 11:33:09

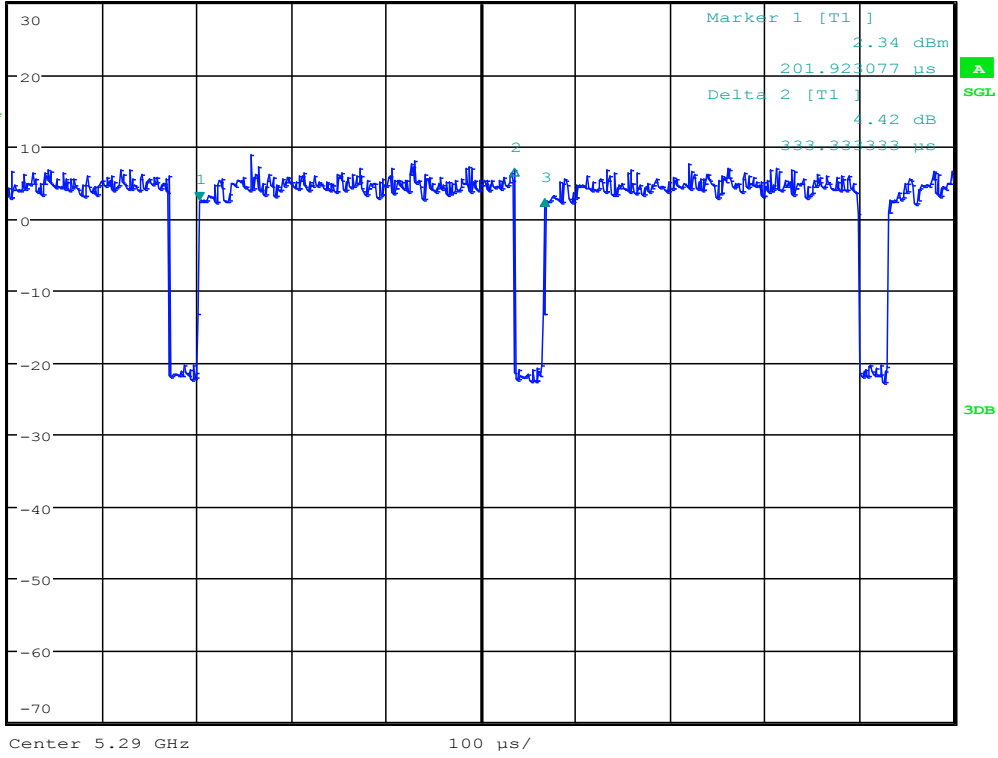


### 8.2211AC80\_ANT2



RBW 50 MHz      Delta 3 [T1 ]  
 \* VBW 30 MHz      0.26 dB  
 Ref 30 dBm      \* Att 50 dB      SWT 1 ms      365.384615  $\mu$ s

1 PK\*  
 CLRWR



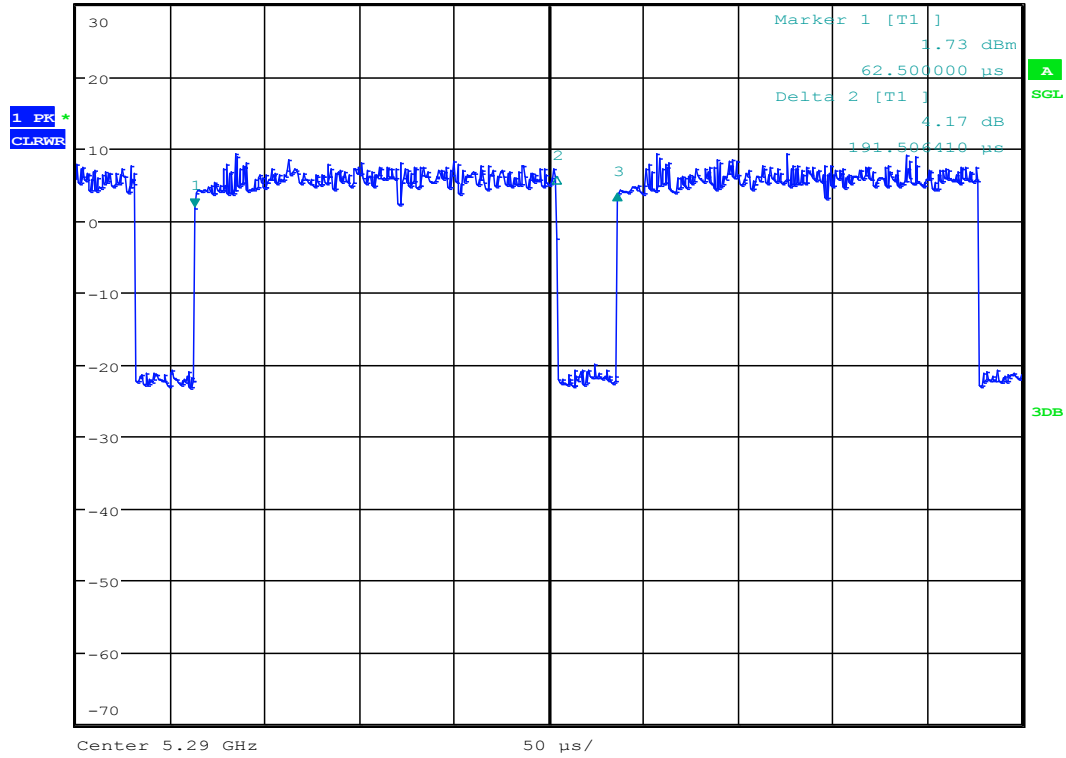
Date: 28.MAR.2018 12:13:15



### 8.2311 AC80MIMO\_ANT1



RBW 50 MHz      Delta 3 [T1 ]  
 \* VBW 30 MHz      1.89 dB  
 Ref 30 dBm      \* Att 50 dB      SWT 500 μs      223.557692 μs



Date: 28.MAR.2018 11:50:40

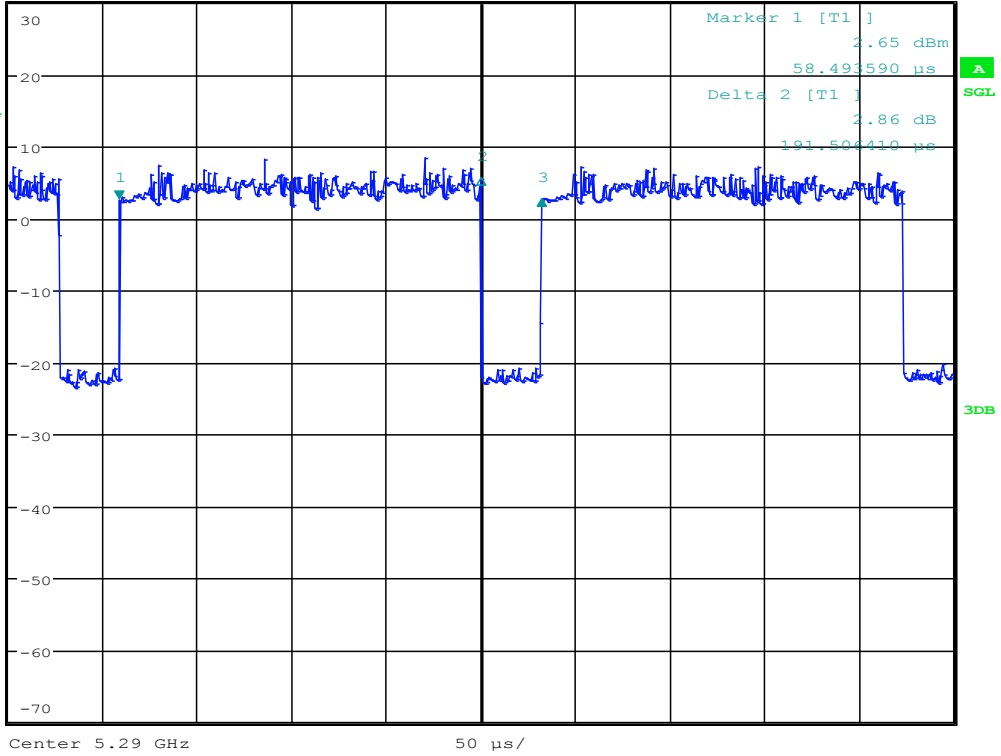


### 8.2411 AC80MIMO\_ANT2



RBW 50 MHz      Delta 3 [T1 ]  
\* VBW 30 MHz      -0.09 dB  
Ref 30 dBm      \* Att 50 dB      SWT 500  $\mu$ s      223.557692  $\mu$ s

1 PK\*  
CLRWR



Date: 28.MAR.2018 12:35:58



# Appendix D: Maximum Conducted Output Power



## 9 Result Table

Test Mode	Test Channel	Frequency [MHz]	Antenna Port	Meas. Level (Cond.) [dBm]	EIRP [dBm]	Verdict
11A20	36	5180	ANT 1	12.35	11.37	PASS
	36	5180	ANT 2	10.13	11.34	PASS
	40	5200	ANT 1	15.6	14.62	PASS
	40	5200	ANT 2	12.46	13.67	PASS
	44	5220	ANT 1	15.74	14.76	PASS
	44	5220	ANT 2	12.58	13.79	PASS
	48	5240	ANT 1	15.34	14.36	PASS
	48	5240	ANT 2	12.51	13.72	PASS
	52	5260	ANT 1	14.71	13.73	PASS
	52	5260	ANT 2	11.79	13	PASS
	56	5280	ANT 1	14.75	13.77	PASS
	56	5280	ANT 2	11.64	12.85	PASS
	60	5300	ANT 1	14.69	13.71	PASS
	60	5300	ANT 2	11.76	12.97	PASS
	64	5320	ANT 1	12.36	11.38	PASS
	64	5320	ANT 2	10.05	11.26	PASS
	100	5500	ANT 1	12.15	11.17	PASS
	100	5500	ANT 2	9.73	10.94	PASS
	104	5520	ANT 1	14.35	13.37	PASS
	104	5520	ANT 2	11.89	13.1	PASS
	136	5680	ANT 1	14.91	13.93	PASS
	136	5680	ANT 2	12.06	13.27	PASS
	140	5700	ANT 1	12.56	11.58	PASS
	140	5700	ANT 2	9.87	11.08	PASS
	149	5745	ANT 1	13.04	12.06	PASS
	149	5745	ANT 2	9.56	10.77	PASS
	153	5765	ANT 1	15.54	14.56	PASS
	153	5765	ANT 2	11.73	12.94	PASS
	157	5785	ANT 1	15.31	14.33	PASS
	157	5785	ANT 2	11.59	12.8	PASS
161	5805	ANT 1	15.17	14.19	PASS	
161	5805	ANT 2	11.62	12.83	PASS	
165	5825	ANT 1	12.38	11.4	PASS	



	165	5825	ANT 2	9.17	10.38	PASS
11A20_CDD	36	5180	ANT 1	12	11.02	---
	36	5180	ANT 2	10.44	11.65	---
	36	5180	SUM	14.30	14.36	PASS
	40	5200	ANT 1	14.75	13.77	---
	40	5200	ANT 2	12.95	14.16	---
	40	5200	SUM	16.95	16.98	PASS
	44	5220	ANT 1	14.72	13.74	---
	44	5220	ANT 2	12.49	13.7	---
	44	5220	SUM	16.76	16.73	PASS
	48	5240	ANT 1	14.42	13.44	---
	48	5240	ANT 2	12.83	14.04	---
	48	5240	SUM	16.71	16.76	PASS
	52	5260	ANT 1	14.7	13.72	---
	52	5260	ANT 2	11.99	13.2	---
	52	5260	SUM	16.56	16.48	PASS
	56	5280	ANT 1	14.85	13.87	---
	56	5280	ANT 2	11.88	13.09	---
	56	5280	SUM	16.62	16.51	PASS
	60	5300	ANT 1	14.68	13.7	---
	60	5300	ANT 2	12.11	13.32	---
	60	5300	SUM	16.59	16.52	PASS
	64	5320	ANT 1	11.61	10.63	---
	64	5320	ANT 2	9.54	10.75	---
	64	5320	SUM	13.71	13.70	PASS
	100	5500	ANT 1	11.83	10.85	---
	100	5500	ANT 2	9.83	11.04	---
	100	5500	SUM	13.95	13.96	PASS
	104	5520	ANT 1	14.46	13.48	---
	104	5520	ANT 2	12.02	13.23	---
	104	5520	SUM	16.42	16.37	PASS
	136	5680	ANT 1	14.41	13.43	---
	136	5680	ANT 2	11.74	12.95	---
136	5680	SUM	16.29	16.21	PASS	
140	5700	ANT 1	12.12	11.14	---	
140	5700	ANT 2	9.51	10.72	---	
140	5700	SUM	14.02	13.95	PASS	
149	5745	ANT 1	12.38	11.4	---	





	149	5745	ANT 2	9.71	10.92	---	
	149	5745	SUM	14.26	14.18	PASS	
	153	5765	ANT 1	15.07	14.09	---	
	153	5765	ANT 2	12	13.21	---	
	153	5765	SUM	16.81	16.68	PASS	
	157	5785	ANT 1	14.75	13.77	---	
	157	5785	ANT 2	11.62	12.83	---	
	157	5785	SUM	16.47	16.34	PASS	
	161	5805	ANT 1	14.64	13.66	---	
	161	5805	ANT 2	11.7	12.91	---	
	161	5805	SUM	16.42	16.31	PASS	
	165	5825	ANT 1	11.94	10.96	---	
	165	5825	ANT 2	9.42	10.63	---	
	165	5825	SUM	13.87	13.81	PASS	
11N20	36	5180	ANT 1	11.87	10.89	PASS	
	36	5180	ANT 2	10.19	11.4	PASS	
	40	5200	ANT 1	14.58	13.6	PASS	
	40	5200	ANT 2	12.61	13.82	PASS	
	44	5220	ANT 1	14.91	13.93	PASS	
	44	5220	ANT 2	12.54	13.75	PASS	
	48	5240	ANT 1	14.5	13.52	PASS	
	48	5240	ANT 2	12.45	13.66	PASS	
	52	5260	ANT 1	14.72	13.74	PASS	
	52	5260	ANT 2	11.7	12.91	PASS	
	56	5280	ANT 1	14.72	13.74	PASS	
	56	5280	ANT 2	11.64	12.85	PASS	
	60	5300	ANT 1	14.57	13.59	PASS	
	60	5300	ANT 2	11.87	13.08	PASS	
	64	5320	ANT 1	11.67	10.69	PASS	
	64	5320	ANT 2	9.39	10.6	PASS	
	100	5500	ANT 1	11.67	10.69	PASS	
	100	5500	ANT 2	9.62	10.83	PASS	
	104	5520	ANT 1	14.28	13.3	PASS	
	104	5520	ANT 2	11.98	13.19	PASS	
	136	5680	ANT 1	14.3	13.32	PASS	
	136	5680	ANT 2	11.5	12.71	PASS	
	140	5700	ANT 1	11.99	11.01	PASS	
	140	5700	ANT 2	9.36	10.57	PASS	
		149	5745	ANT 1	12.38	11.4	PASS
		149	5745	ANT 2	9.53	10.74	PASS



	153	5765	ANT 1	14.92	13.94	PASS
	153	5765	ANT 2	11.75	12.96	PASS
	157	5785	ANT 1	14.64	13.66	PASS
	157	5785	ANT 2	11.42	12.63	PASS
	161	5805	ANT 1	14.71	13.73	PASS
	161	5805	ANT 2	11.39	12.6	PASS
	165	5825	ANT 1	11.87	10.89	PASS
	165	5825	ANT 2	9.11	10.32	PASS
11N20MIMO	36	5180	ANT 1	11.8	10.82	---
	36	5180	ANT 2	10.39	11.6	---
	36	5180	SUM	14.16	14.24	PASS
	40	5200	ANT 1	14.62	13.64	---
	40	5200	ANT 2	12.75	13.96	---
	40	5200	SUM	16.80	16.81	PASS
	44	5220	ANT 1	14.62	13.64	---
	44	5220	ANT 2	12.93	14.14	---
	44	5220	SUM	16.87	16.91	PASS
	48	5240	ANT 1	14.35	13.37	---
	48	5240	ANT 2	12.86	14.07	---
	48	5240	SUM	16.68	16.74	PASS
	52	5260	ANT 1	14.71	13.73	---
	52	5260	ANT 2	11.99	13.2	---
	52	5260	SUM	16.57	16.48	PASS
	56	5280	ANT 1	14.71	13.73	---
	56	5280	ANT 2	11.91	13.12	---
	56	5280	SUM	16.54	16.45	PASS
	60	5300	ANT 1	14.57	13.59	---
	60	5300	ANT 2	12.01	13.22	---
	60	5300	SUM	16.49	16.42	PASS
	64	5320	ANT 1	11.57	10.59	---
	64	5320	ANT 2	9.57	10.78	---
	64	5320	SUM	13.69	13.70	PASS
	100	5500	ANT 1	11.79	10.81	---
	100	5500	ANT 2	9.93	11.14	---
	100	5500	SUM	13.97	13.99	PASS
	104	5520	ANT 1	14.49	13.51	---
	104	5520	ANT 2	11.97	13.18	---
	104	5520	SUM	16.42	16.36	PASS
136	5680	ANT 1	14.47	13.49	---	
136	5680	ANT 2	11.78	12.99	---	
136	5680	SUM	16.34	16.26	PASS	



	140	5700	ANT 1	12.06	11.08	---
	140	5700	ANT 2	9.53	10.74	---
	140	5700	SUM	13.99	13.92	PASS
	149	5745	ANT 1	12.42	11.44	---
	149	5745	ANT 2	9.82	11.03	---
	149	5745	SUM	14.32	14.25	PASS
	153	5765	ANT 1	14.99	14.01	---
	153	5765	ANT 2	12.05	13.26	---
	153	5765	SUM	16.77	16.66	PASS
	157	5785	ANT 1	14.67	13.69	---
	157	5785	ANT 2	11.7	12.91	---
	157	5785	SUM	16.44	16.33	PASS
	161	5805	ANT 1	14.57	13.59	---
	161	5805	ANT 2	11.64	12.85	---
	161	5805	SUM	16.36	16.25	PASS
	165	5825	ANT 1	11.92	10.94	---
	165	5825	ANT 2	9.43	10.64	---
	165	5825	SUM	13.86	13.80	PASS
11N40	38	5190	ANT 1	9.07	8.09	PASS
	38	5190	ANT 2	7.09	8.3	PASS
	46	5230	ANT 1	11.38	10.4	PASS
	46	5230	ANT 2	9.21	10.42	PASS
	54	5270	ANT 1	11.48	10.5	PASS
	54	5270	ANT 2	9.04	10.25	PASS
	62	5310	ANT 1	8.8	7.82	PASS
	62	5310	ANT 2	7.01	8.22	PASS
	102	5510	ANT 1	9.1	8.12	PASS
	102	5510	ANT 2	6.88	8.09	PASS
	110	5550	ANT 1	11.55	10.57	PASS
	110	5550	ANT 2	8.55	9.76	PASS
	126	5630	ANT 1	11.24	10.26	PASS
	126	5630	ANT 2	7.87	9.08	PASS
	134	5670	ANT 1	11.25	10.27	PASS
	134	5670	ANT 2	8.54	9.75	PASS
	151	5755	ANT 1	9.44	8.46	PASS
	151	5755	ANT 2	6.55	7.76	PASS
	159	5795	ANT 1	11.84	10.86	PASS
	159	5795	ANT 2	8.6	9.81	PASS
11N40MIMO	38	5190	ANT 1	9.03	8.05	---
	38	5190	ANT 2	7.32	8.53	---
	38	5190	SUM	11.27	11.31	PASS



	46	5230	ANT 1	11.43	10.45	---
	46	5230	ANT 2	9.3	10.51	---
	46	5230	SUM	13.50	13.49	PASS
	54	5270	ANT 1	11.41	10.43	---
	54	5270	ANT 2	9.28	10.49	---
	54	5270	SUM	13.48	13.47	PASS
	62	5310	ANT 1	8.71	7.73	---
	62	5310	ANT 2	7.03	8.24	---
	62	5310	SUM	10.96	11.00	PASS
	102	5510	ANT 1	9.3	8.32	---
	102	5510	ANT 2	7.05	8.26	---
	102	5510	SUM	11.33	11.30	PASS
	110	5550	ANT 1	11.62	10.64	---
	110	5550	ANT 2	8.7	9.91	---
	110	5550	SUM	13.41	13.30	PASS
	126	5630	ANT 1	11.39	10.41	---
	126	5630	ANT 2	8.04	9.25	---
	126	5630	SUM	13.04	12.88	PASS
	134	5670	ANT 1	11.42	10.44	---
	134	5670	ANT 2	8.76	9.97	---
	134	5670	SUM	13.30	13.22	PASS
	151	5755	ANT 1	9.53	8.55	---
	151	5755	ANT 2	6.78	7.99	---
	151	5755	SUM	11.38	11.29	PASS
	159	5795	ANT 1	11.85	10.87	---
	159	5795	ANT 2	8.57	9.78	---
	159	5795	SUM	13.52	13.37	PASS
11AC20	36	5180	ANT 1	11.83	10.85	PASS
	36	5180	ANT 2	10.25	11.46	PASS
	40	5200	ANT 1	14.79	13.81	PASS
	40	5200	ANT 2	12.64	13.85	PASS
	44	5220	ANT 1	14.79	13.81	PASS
	44	5220	ANT 2	12.54	13.75	PASS
	48	5240	ANT 1	14.51	13.53	PASS
	48	5240	ANT 2	12.56	13.77	PASS
	52	5260	ANT 1	14.74	13.76	PASS
	52	5260	ANT 2	11.75	12.96	PASS
	56	5280	ANT 1	14.63	13.65	PASS
	56	5280	ANT 2	11.62	12.83	PASS
	60	5300	ANT 1	14.64	13.66	PASS
	60	5300	ANT 2	11.74	12.95	PASS



	64	5320	ANT 1	11.61	10.63	PASS
	64	5320	ANT 2	9.66	10.87	PASS
	100	5500	ANT 1	11.75	10.77	PASS
	100	5500	ANT 2	9.72	10.93	PASS
	104	5520	ANT 1	14.45	13.47	PASS
	104	5520	ANT 2	11.94	13.15	PASS
	136	5680	ANT 1	14.52	13.54	PASS
	136	5680	ANT 2	11.49	12.7	PASS
	140	5700	ANT 1	11.99	11.01	PASS
	140	5700	ANT 2	9.35	10.56	PASS
	149	5745	ANT 1	12.31	11.33	PASS
	149	5745	ANT 2	9.57	10.78	PASS
	153	5765	ANT 1	14.88	13.9	PASS
	153	5765	ANT 2	11.61	12.82	PASS
	157	5785	ANT 1	14.72	13.74	PASS
	157	5785	ANT 2	11.56	12.77	PASS
	161	5805	ANT 1	14.78	13.8	PASS
	161	5805	ANT 2	11.38	12.59	PASS
	165	5825	ANT 1	11.89	10.91	PASS
	165	5825	ANT 2	9.15	10.36	PASS
11AC20MIMO	36	5180	ANT 1	11.92	10.94	---
	36	5180	ANT 2	10.31	11.52	---
	36	5180	SUM	14.20	14.25	PASS
	40	5200	ANT 1	14.64	13.66	---
	40	5200	ANT 2	12.75	13.96	---
	40	5200	SUM	16.81	16.82	PASS
	44	5220	ANT 1	14.86	13.88	---
	44	5220	ANT 2	12.92	14.13	---
	44	5220	SUM	17.01	17.02	PASS
	48	5240	ANT 1	14.58	13.6	---
	48	5240	ANT 2	12.86	14.07	---
	48	5240	SUM	16.81	16.85	PASS
	52	5260	ANT 1	14.7	13.72	---
	52	5260	ANT 2	12.17	13.38	---
	52	5260	SUM	16.63	16.56	PASS
	56	5280	ANT 1	14.74	13.76	---
	56	5280	ANT 2	11.76	12.97	---
	56	5280	SUM	16.51	16.39	PASS
	60	5300	ANT 1	14.56	13.58	---
	60	5300	ANT 2	12.01	13.22	---
	60	5300	SUM	16.48	16.41	PASS



	64	5320	ANT 1	11.57	10.59	---
	64	5320	ANT 2	9.86	11.07	---
	64	5320	SUM	13.81	13.85	PASS
	100	5500	ANT 1	11.79	10.81	---
	100	5500	ANT 2	9.79	11	---
	100	5500	SUM	13.91	13.92	PASS
	104	5520	ANT 1	14.48	13.5	---
	104	5520	ANT 2	11.94	13.15	---
	104	5520	SUM	16.40	16.34	PASS
	136	5680	ANT 1	14.38	13.4	---
	136	5680	ANT 2	11.68	12.89	---
	136	5680	SUM	16.25	16.16	PASS
	140	5700	ANT 1	12.15	11.17	---
	140	5700	ANT 2	9.51	10.72	---
	140	5700	SUM	14.04	13.96	PASS
	149	5745	ANT 1	12.48	11.5	---
	149	5745	ANT 2	9.89	11.1	---
	149	5745	SUM	14.39	14.31	PASS
	153	5765	ANT 1	14.93	13.95	---
	153	5765	ANT 2	11.84	13.05	---
	153	5765	SUM	16.66	16.53	PASS
	157	5785	ANT 1	14.87	13.89	---
	157	5785	ANT 2	11.54	12.75	---
	157	5785	SUM	16.53	16.37	PASS
	161	5805	ANT 1	14.55	13.57	---
	161	5805	ANT 2	11.68	12.89	---
	161	5805	SUM	16.36	16.25	PASS
	165	5825	ANT 1	11.86	10.88	---
	165	5825	ANT 2	9.44	10.65	---
	165	5825	SUM	13.83	13.78	PASS
11AC40	38	5190	ANT 1	8.97	7.99	PASS
	38	5190	ANT 2	7.17	8.38	PASS
	46	5230	ANT 1	11.42	10.44	PASS
	46	5230	ANT 2	9.26	10.47	PASS
	54	5270	ANT 1	11.5	10.52	PASS
	54	5270	ANT 2	8.98	10.19	PASS
	62	5310	ANT 1	8.82	7.84	PASS
	62	5310	ANT 2	6.99	8.2	PASS
	102	5510	ANT 1	9.14	8.16	PASS
	102	5510	ANT 2	6.89	8.1	PASS
	110	5550	ANT 1	11.52	10.54	PASS



	110	5550	ANT 2	8.46	9.67	PASS
	126	5630	ANT 1	11.22	10.24	PASS
	126	5630	ANT 2	8.03	9.24	PASS
	134	5670	ANT 1	11.38	10.4	PASS
	134	5670	ANT 2	8.66	9.87	PASS
	151	5755	ANT 1	9.5	8.52	PASS
	151	5755	ANT 2	6.56	7.77	PASS
	159	5795	ANT 1	11.94	10.96	PASS
	159	5795	ANT 2	8.63	9.84	PASS
11AC40MIMO	38	5190	ANT 1	9.1	8.12	---
	38	5190	ANT 2	7.33	8.54	---
	38	5190	SUM	11.31	11.35	PASS
	46	5230	ANT 1	11.38	10.4	---
	46	5230	ANT 2	9.34	10.55	---
	46	5230	SUM	13.49	13.49	PASS
	54	5270	ANT 1	11.4	10.42	---
	54	5270	ANT 2	9.2	10.41	---
	54	5270	SUM	13.45	13.43	PASS
	62	5310	ANT 1	8.8	7.82	---
	62	5310	ANT 2	7.16	8.37	---
	62	5310	SUM	11.07	11.11	PASS
	102	5510	ANT 1	9.21	8.23	---
	102	5510	ANT 2	6.94	8.15	---
	102	5510	SUM	11.23	11.20	PASS
	110	5550	ANT 1	11.68	10.7	---
	110	5550	ANT 2	8.61	9.82	---
	110	5550	SUM	13.42	13.29	PASS
	126	5630	ANT 1	11.44	10.46	---
	126	5630	ANT 2	8.15	9.36	---
	126	5630	SUM	13.11	13.96	PASS
	134	5670	ANT 1	11.35	10.37	---
	134	5670	ANT 2	8.8	10.01	---
	134	5670	SUM	13.27	13.20	PASS
	151	5755	ANT 1	9.52	8.54	---
	151	5755	ANT 2	6.73	7.94	---
	151	5755	SUM	11.36	11.26	PASS
	159	5795	ANT 1	11.91	10.93	---
	159	5795	ANT 2	8.69	9.9	---
	159	5795	SUM	13.60	13.46	PASS
11AC80	42	5210	ANT 1	9.44	8.46	PASS
	42	5210	ANT 2	7.61	8.82	PASS



	58	5290	ANT 1	9.38	8.4	PASS
	58	5290	ANT 2	7.27	8.48	PASS
	106	5530	ANT 1	9.52	8.54	PASS
	106	5530	ANT 2	7.11	8.32	PASS
	155	5775	ANT 1	10.08	9.1	PASS
	155	5775	ANT 2	6.94	8.15	PASS
11AC80MIMO	42	5210	ANT 1	9.81	8.83	---
	42	5210	ANT 2	7.91	9.12	---
	42	5210	SUM	11.97	11.99	PASS
	58	5290	ANT 1	9.66	8.68	---
	58	5290	ANT 2	7.68	8.89	---
	58	5290	SUM	11.79	11.80	PASS
	106	5530	ANT 1	9.9	8.92	---
	106	5530	ANT 2	7.27	8.48	---
	106	5530	SUM	11.79	11.72	PASS
	155	5775	ANT 1	10.32	9.34	---
	155	5775	ANT 2	7	8.21	---
	155	5775	SUM	11.98	11.82	PASS





# Appendix E: Peak Power Spectral Density Level



## 10 Result Table

Test Mode	Test Channel	Frequency [MHz]	Antenna Port	Meas. Level (Cond.) [dBm]	EIRP [dBm]	Verdict
11A20	36	5180	ANT 1	2.59	1.61	PASS
	36	5180	ANT 2	-0.28	0.93	PASS
	48	5240	ANT 1	4.82	3.84	PASS
	48	5240	ANT 2	2.32	3.53	PASS
	52	5260	ANT 1	4.41	3.43	PASS
	52	5260	ANT 2	1.55	2.76	PASS
	64	5320	ANT 1	2.08	1.1	PASS
	64	5320	ANT 2	-0.25	0.96	PASS
	100	5500	ANT 1	2.11	1.13	PASS
	100	5500	ANT 2	-0.57	0.64	PASS
	140	5700	ANT 1	2.55	1.57	PASS
	140	5700	ANT 2	-0.11	1.1	PASS
	149	5745	ANT 1	0.4	-0.58	PASS
	149	5745	ANT 2	-2.77	-1.56	PASS
	165	5825	ANT 1	0.04	-0.94	PASS
	165	5825	ANT 2	-3.16	-1.95	PASS
11A20_CDD	36	5180	ANT 1	2.12	1.14	---
	36	5180	ANT 2	0.52	1.73	---
	36	5180	SUM	4.40	4.46	PASS
	48	5240	ANT 1	4.22	3.24	---
	48	5240	ANT 2	2.93	4.14	---
	48	5240	SUM	6.63	6.72	PASS
	52	5260	ANT 1	4.51	3.53	---
	52	5260	ANT 2	2.12	3.33	---
	52	5260	SUM	6.49	6.44	PASS
	64	5320	ANT 1	1.67	0.69	---
	64	5320	ANT 2	-0.22	0.99	---
	64	5320	SUM	3.84	3.85	PASS
	100	5500	ANT 1	1.95	0.97	---
	100	5500	ANT 2	-0.11	1.1	---
	100	5500	SUM	4.05	4.05	PASS
	140	5700	ANT 1	2.3	1.32	---
140	5700	ANT 2	-0.19	1.02	---	



	140	5700	SUM	4.24	4.18	PASS
	149	5745	ANT 1	-0.01	-0.99	---
	149	5745	ANT 2	-2.4	-1.19	---
	149	5745	SUM	1.97	1.92	PASS
	165	5825	ANT 1	-0.44	-1.42	---
	165	5825	ANT 2	-2.93	-1.72	---
	165	5825	SUM	1.50	1.44	PASS
11N20	36	5180	ANT 1	1.76	0.78	PASS
	36	5180	ANT 2	-0.47	0.74	PASS
	48	5240	ANT 1	3.72	2.74	PASS
	48	5240	ANT 2	2.22	3.43	PASS
	52	5260	ANT 1	4.3	3.32	PASS
	52	5260	ANT 2	1.6	2.81	PASS
	64	5320	ANT 1	1.33	0.35	PASS
	64	5320	ANT 2	-0.8	0.41	PASS
	100	5500	ANT 1	1.62	0.64	PASS
	100	5500	ANT 2	-0.85	0.36	PASS
	140	5700	ANT 1	2.05	1.07	PASS
	140	5700	ANT 2	-0.92	0.29	PASS
	149	5745	ANT 1	0.19	-0.79	PASS
	149	5745	ANT 2	-2.68	-1.47	PASS
	165	5825	ANT 1	-0.16	-1.14	PASS
	165	5825	ANT 2	-2.77	-1.56	PASS
	11N20MIMO	36	5180	ANT 1	1.98	1
36		5180	ANT 2	0.82	2.03	---
36		5180	SUM	4.45	4.56	PASS
48		5240	ANT 1	4.21	3.23	---
48		5240	ANT 2	3.12	4.33	---
48		5240	SUM	6.71	6.83	PASS
52		5260	ANT 1	4.58	3.6	---
52		5260	ANT 2	2.45	3.66	---
52		5260	SUM	6.65	6.64	PASS
64		5320	ANT 1	1.86	0.88	---
64		5320	ANT 2	0.17	1.38	---
64		5320	SUM	4.11	4.15	PASS
100		5500	ANT 1	1.95	0.97	---
100		5500	ANT 2	0.33	1.54	---
100		5500	SUM	4.23	4.27	PASS
140		5700	ANT 1	2.08	1.1	---
140		5700	ANT 2	0.02	1.23	---
140		5700	SUM	4.18	4.18	PASS



	149	5745	ANT 1	0.69	-0.29	---
	149	5745	ANT 2	-1.47	-0.26	---
	149	5745	SUM	2.75	2.74	PASS
	165	5825	ANT 1	0.33	-0.65	---
	165	5825	ANT 2	-2.26	-1.05	---
	165	5825	SUM	2.23	2.16	PASS
11N40	38	5190	ANT 1	-3.96	-4.94	PASS
	38	5190	ANT 2	-6.49	-5.28	PASS
	46	5230	ANT 1	-1.67	-2.65	PASS
	46	5230	ANT 2	-4.1	-2.89	PASS
	54	5270	ANT 1	-1.87	-2.85	PASS
	54	5270	ANT 2	-4.27	-3.06	PASS
	62	5310	ANT 1	-4.29	-5.27	PASS
	62	5310	ANT 2	-6.04	-4.83	PASS
	102	5510	ANT 1	-3.96	-4.94	PASS
	102	5510	ANT 2	-6.39	-5.18	PASS
	134	5670	ANT 1	-1.73	-2.71	PASS
	134	5670	ANT 2	-4.44	-3.23	PASS
	151	5755	ANT 1	-5.61	-6.59	PASS
	151	5755	ANT 2	-8.58	-7.37	PASS
	159	5795	ANT 1	-3.06	-4.04	PASS
	159	5795	ANT 2	-6.44	-5.23	PASS
11N40MIMO	38	5190	ANT 1	-3.87	-4.85	PASS
	38	5190	ANT 2	-5.15	-3.94	PASS
	38	5190	SUM	-1.45	-1.36	PASS
	46	5230	ANT 1	-1.85	-2.83	---
	46	5230	ANT 2	-3.22	-2.01	---
	46	5230	SUM	0.53	0.61	PASS
	54	5270	ANT 1	-1.79	-2.77	---
	54	5270	ANT 2	-2.54	-1.33	---
	54	5270	SUM	0.86	1.02	PASS
	62	5310	ANT 1	-4.11	-5.09	---
	62	5310	ANT 2	-5.41	-4.2	---
	62	5310	SUM	-1.70	-1.61	PASS
	102	5510	ANT 1	-3.5	-4.48	---
	102	5510	ANT 2	-5.5	-4.29	---
	102	5510	SUM	-1.38	-1.37	PASS
	134	5670	ANT 1	-1.45	-2.43	---
	134	5670	ANT 2	-3.63	-2.42	---
	134	5670	SUM	0.61	0.59	PASS
151	5755	ANT 1	-5.04	-6.02	---	



	151	5755	ANT 2	-7.46	-6.25	---
	151	5755	SUM	-3.07	-3.12	PASS
	159	5795	ANT 1	-2.82	-3.80	---
	159	5795	ANT 2	-5.5	-4.29	---
	159	5795	SUM	-0.95	-1.03	PASS
11AC20	36	5180	ANT 1	1.83	0.85	PASS
	36	5180	ANT 2	-0.12	1.09	PASS
	48	5240	ANT 1	3.74	2.76	PASS
	48	5240	ANT 2	2.01	3.22	PASS
	52	5260	ANT 1	4.22	3.24	PASS
	52	5260	ANT 2	1.72	2.93	PASS
	64	5320	ANT 1	1.3	0.32	PASS
	64	5320	ANT 2	-0.64	0.57	PASS
	100	5500	ANT 1	1.57	0.59	PASS
	100	5500	ANT 2	-0.59	0.62	PASS
	140	5700	ANT 1	1.58	0.6	PASS
	140	5700	ANT 2	-0.82	0.39	PASS
	149	5745	ANT 1	0.16	-0.82	PASS
	149	5745	ANT 2	-2.48	-1.27	PASS
	165	5825	ANT 1	0.15	-0.83	PASS
	165	5825	ANT 2	-2.83	-1.62	PASS
11AC20MIMO	36	5180	ANT 1	1.99	1.01	---
	36	5180	ANT 2	0.7	1.91	---
	36	5180	SUM	4.40	4.49	PASS
	48	5240	ANT 1	4.24	3.26	---
	48	5240	ANT 2	3.25	4.46	---
	48	5240	SUM	6.78	6.91	PASS
	52	5260	ANT 1	4.54	3.56	---
	52	5260	ANT 2	2.37	3.58	---
	52	5260	SUM	6.60	6.58	PASS
	64	5320	ANT 1	1.68	0.7	---
	64	5320	ANT 2	0.06	1.27	---
	64	5320	SUM	3.96	4.00	PASS
	100	5500	ANT 1	1.82	0.84	---
	100	5500	ANT 2	0.36	1.57	---
	100	5500	SUM	4.16	4.23	PASS
	140	5700	ANT 1	2.37	1.39	---
	140	5700	ANT 2	-0.29	0.92	---
	140	5700	SUM	4.25	4.17	PASS
149	5745	ANT 1	0.6	-0.38	---	
149	5745	ANT 2	-1.59	-0.38	---	



	149	5745	SUM	2.65	2.63	PASS
	165	5825	ANT 1	0.32	-0.66	---
	165	5825	ANT 2	-1.76	-0.55	---
	165	5825	SUM	2.41	2.41	PASS
11AC40	38	5190	ANT 1	-4.03	-5.01	PASS
	38	5190	ANT 2	-6.3	-5.09	PASS
	46	5230	ANT 1	-1.78	-2.76	PASS
	46	5230	ANT 2	-3.83	-2.62	PASS
	54	5270	ANT 1	-2.01	-2.99	PASS
	54	5270	ANT 2	-4.14	-2.93	PASS
	62	5310	ANT 1	-4.31	-5.29	PASS
	62	5310	ANT 2	-6.1	-4.89	PASS
	102	5510	ANT 1	-3.64	-4.62	PASS
	102	5510	ANT 2	-6.35	-5.14	PASS
	134	5670	ANT 1	-1.73	-2.71	PASS
	134	5670	ANT 2	-4.43	-3.22	PASS
	151	5755	ANT 1	-5.31	-6.29	PASS
	151	5755	ANT 2	-8.5	-7.29	PASS
	159	5795	ANT 1	-3.04	-4.02	PASS
	159	5795	ANT 2	-6.13	-4.92	PASS
11AC40MIMO	38	5190	ANT 1	-3.9	-4.88	PASS
	38	5190	ANT 2	-5.1	-3.89	PASS
	38	5190	SUM	-1.45	-1.35	PASS
	46	5230	ANT 1	-1.79	-2.77	---
	46	5230	ANT 2	-2.9	-1.69	---
	46	5230	SUM	0.70	0.81	PASS
	54	5270	ANT 1	-1.61	-2.59	---
	54	5270	ANT 2	-2.97	-1.76	---
	54	5270	SUM	0.77	0.86	PASS
	62	5310	ANT 1	-4.08	-5.06	---
	62	5310	ANT 2	-5.11	-3.9	---
	62	5310	SUM	-1.55	-1.43	PASS
	102	5510	ANT 1	-3.62	-4.6	---
	102	5510	ANT 2	-5.15	-3.94	---
	102	5510	SUM	-1.31	-1.25	PASS
	134	5670	ANT 1	-1.64	-2.62	---
	134	5670	ANT 2	-3.64	-2.43	---
	134	5670	SUM	0.48	0.49	PASS
	151	5755	ANT 1	-5.17	-6.15	---
	151	5755	ANT 2	-7.33	-6.12	---
151	5755	SUM	-3.11	-3.12	PASS	

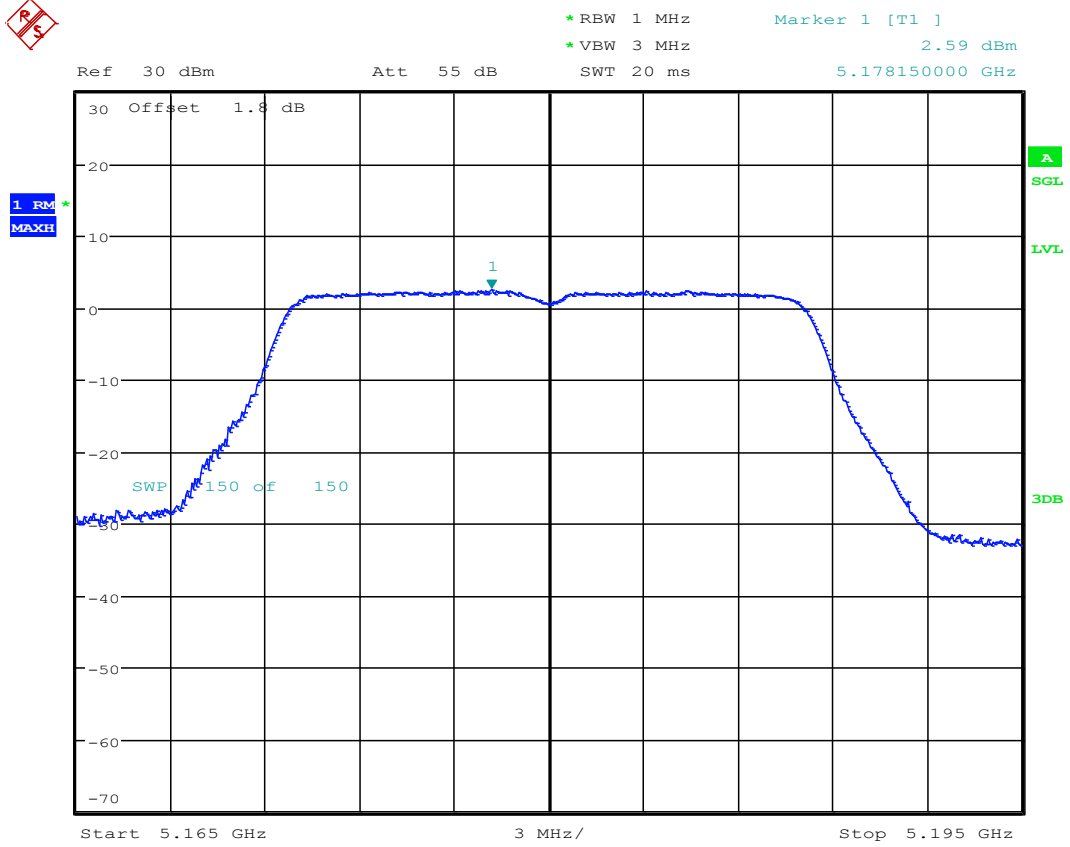


	159	5795	ANT 1	-2.82	-3.8	---
	159	5795	ANT 2	-5.65	-4.44	---
	159	5795	SUM	-1.00	-1.10	PASS
11AC80	42	5210	ANT 1	-6.57	-7.55	PASS
	42	5210	ANT 2	-8.26	-7.05	PASS
	58	5290	ANT 1	-6.76	-7.74	PASS
	58	5290	ANT 2	-8.75	-7.54	PASS
	106	5530	ANT 1	-6.39	-7.37	PASS
	106	5530	ANT 2	-9.01	-7.8	PASS
	155	5775	ANT 1	-7.81	-8.79	PASS
	155	5775	ANT 2	-10.59	-9.38	PASS
11AC80MIMO	42	5210	ANT 1	-5.81	-6.79	---
	42	5210	ANT 2	-7.43	-6.22	---
	42	5210	SUM	-3.53	-3.49	PASS
	58	5290	ANT 1	-5.78	-6.76	---
	58	5290	ANT 2	-7.32	-6.11	---
	58	5290	SUM	-3.47	-3.41	PASS
	106	5530	ANT 1	-5.67	-6.65	---
	106	5530	ANT 2	-8.34	-7.13	---
	106	5530	SUM	-3.79	-3.87	PASS
	155	5775	ANT 1	-7.09	-8.07	---
	155	5775	ANT 2	-9.94	-8.73	---
	155	5775	SUM	-5.27	-5.38	PASS



### 11 Test Plot

#### 11.1 11A20\_36 ANT 1



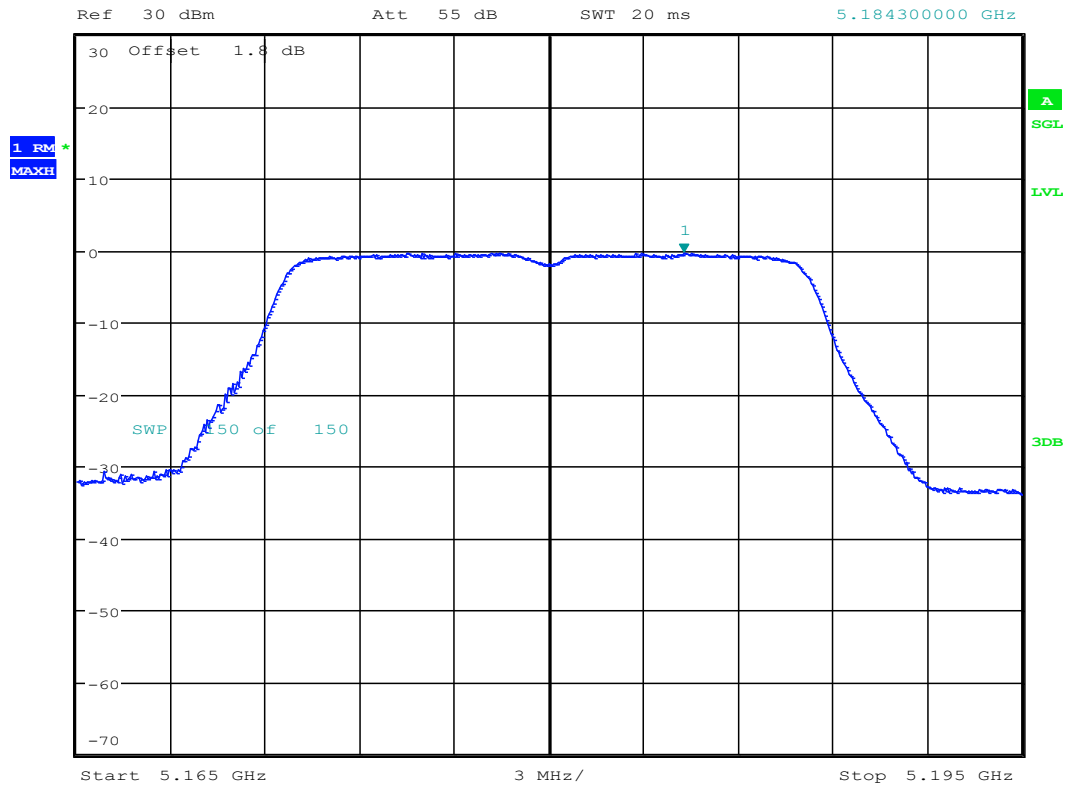
Date: 28.MAR.2018 13:00:30



### 11.2 11A20\_36 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -0.28 dBm  
SWT 20 ms      5.184300000 GHz



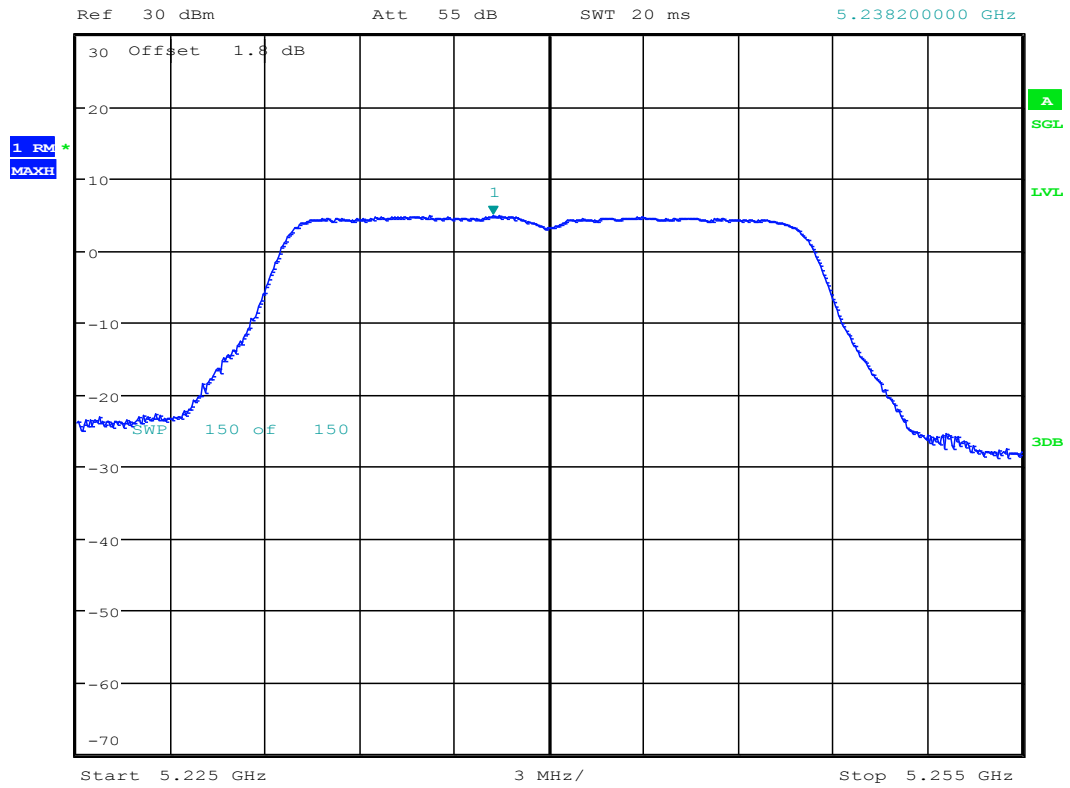
Date: 29.MAR.2018 12:16:01



### 11.3 11A20\_48 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      4.82 dBm  
SWT 20 ms      5.238200000 GHz



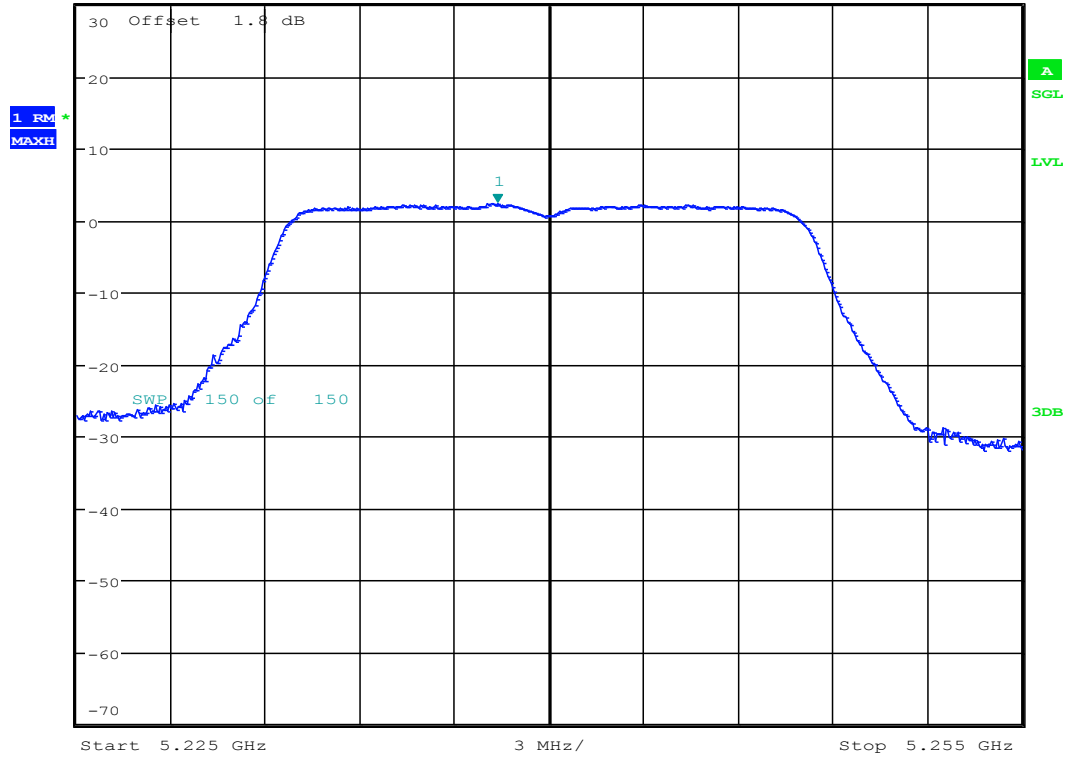
Date: 28.MAR.2018 13:03:38



### 11.4 11A20\_48 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      2.32 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.238350000 GHz



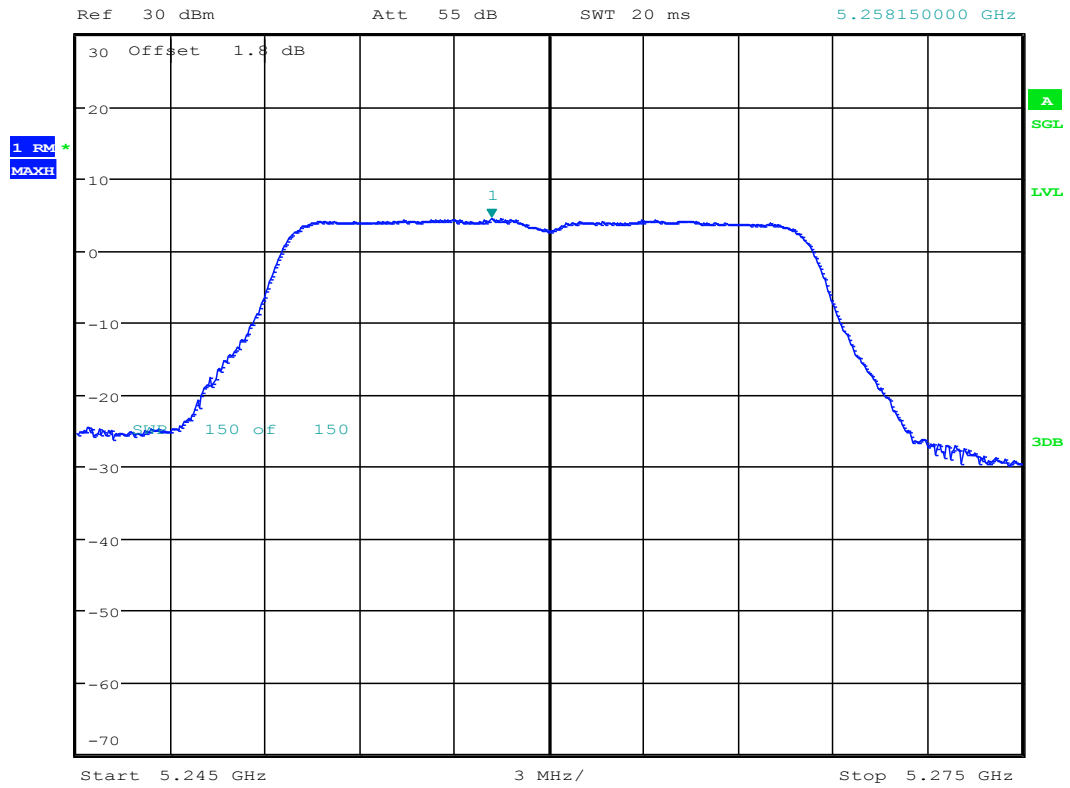
Date: 29.MAR.2018 12:18:20



### 11.5 11A20\_52 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      4.41 dBm  
SWT 20 ms      5.258150000 GHz



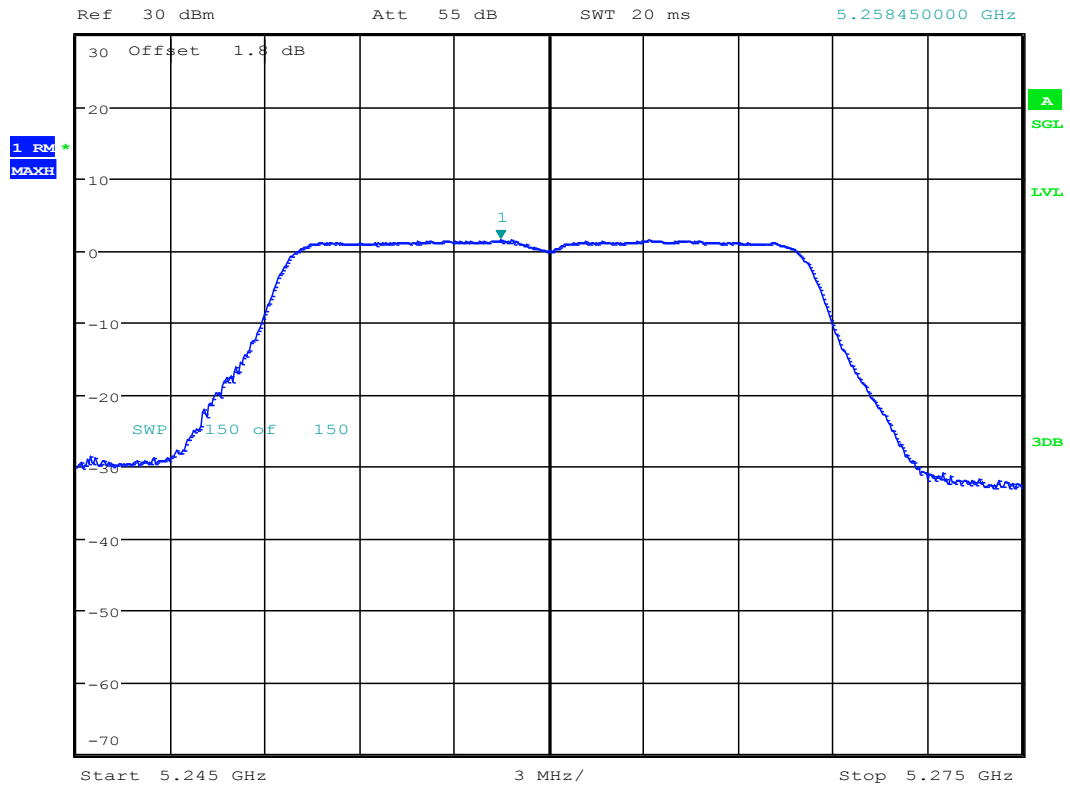
Date: 28.MAR.2018 13:08:03



### 11.6 11A20\_52 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      1.55 dBm  
SWT 20 ms      5.258450000 GHz



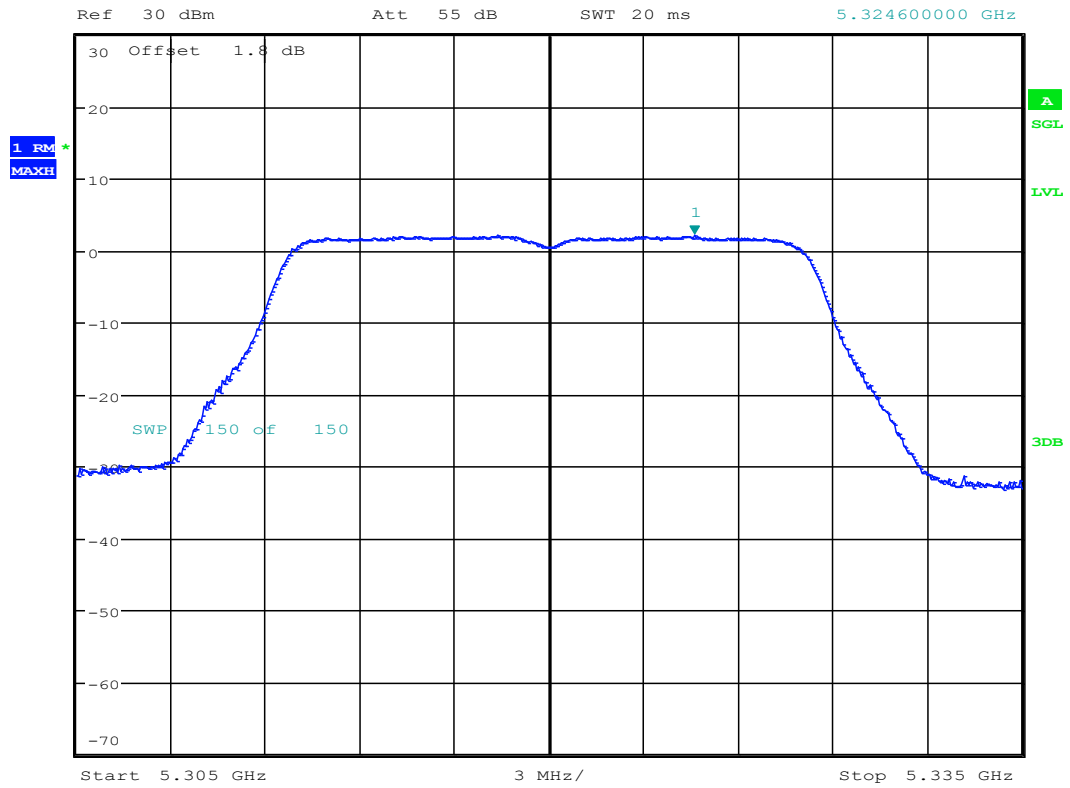
Date: 29.MAR.2018 12:21:16



### 11.7 11A20\_64 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      2.08 dBm  
SWT 20 ms      5.324600000 GHz



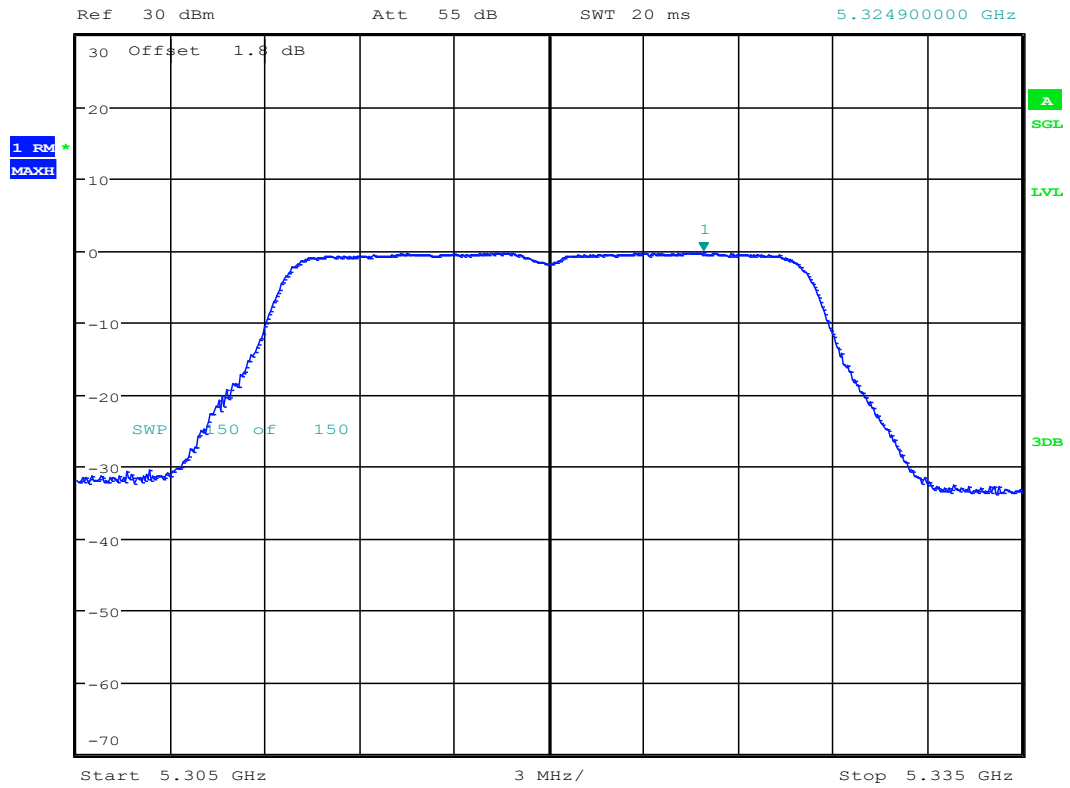
Date: 28.MAR.2018 14:38:45



### 11.8 11A20\_64 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -0.25 dBm  
SWT 20 ms      5.324900000 GHz



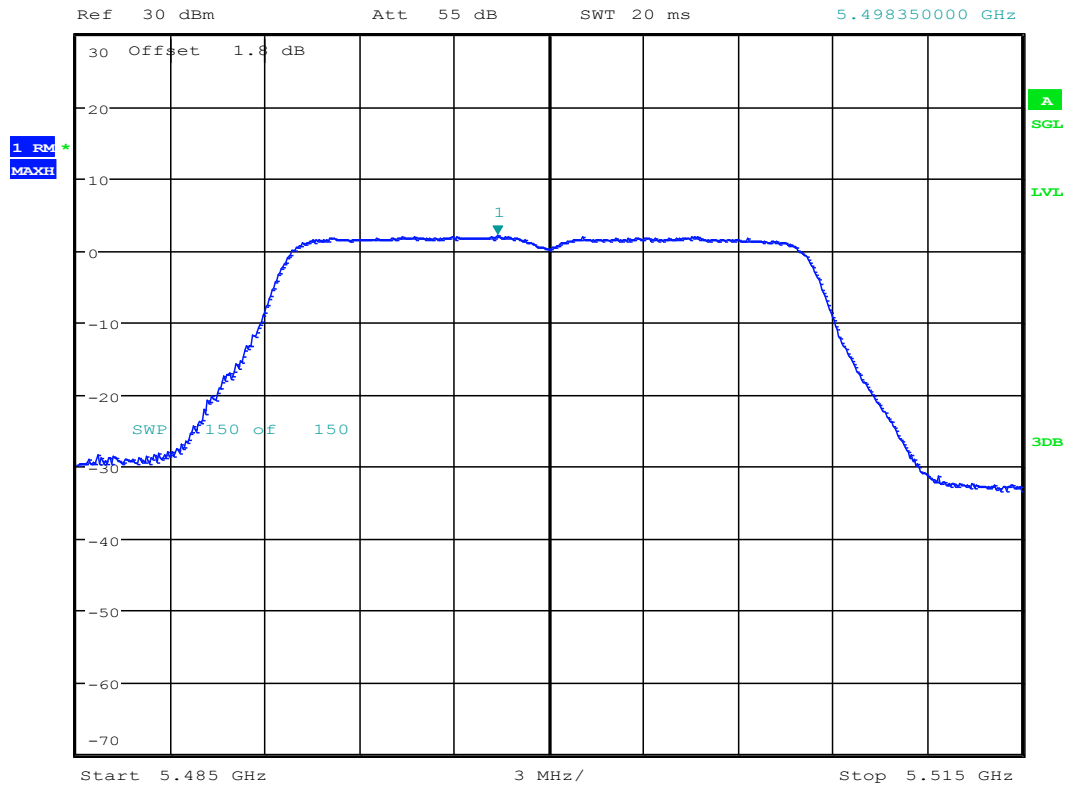
Date: 29.MAR.2018 12:23:44



### 11.9 11A20\_100 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      2.11 dBm  
SWT 20 ms      5.498350000 GHz



Date: 28.MAR.2018 14:42:05



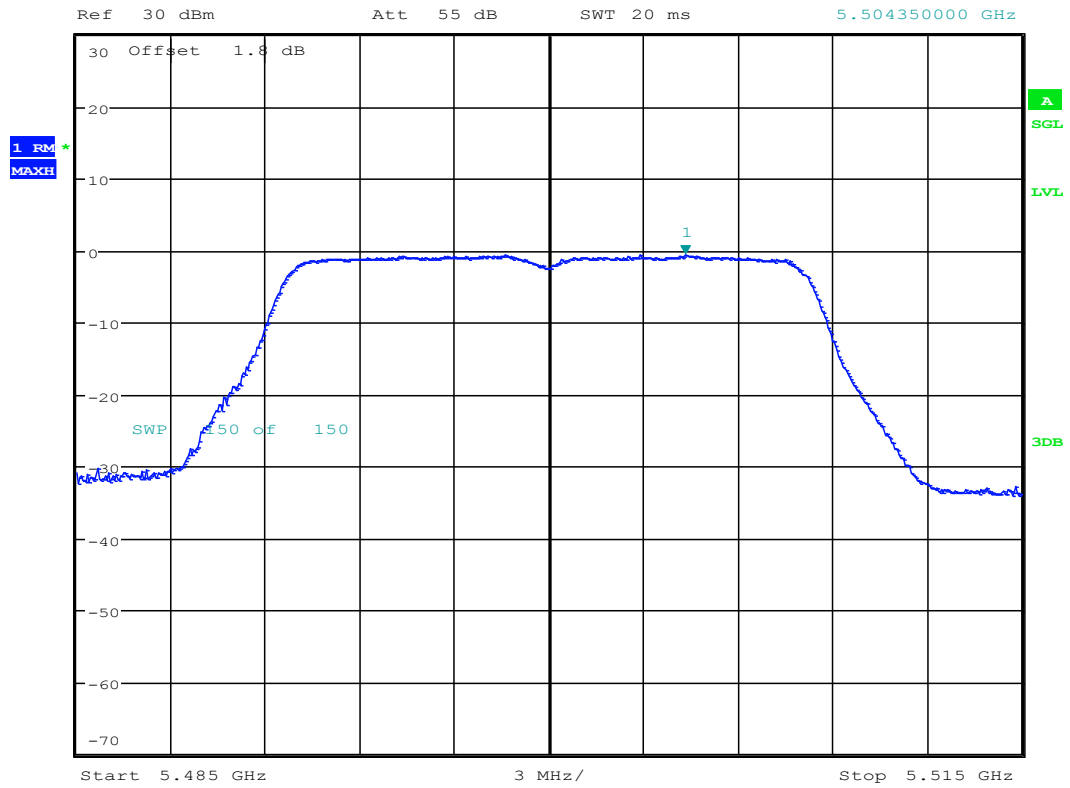


### 11.10 11A20\_100 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

Marker 1 [T1 ]  
-0.57 dBm  
5.504350000 GHz



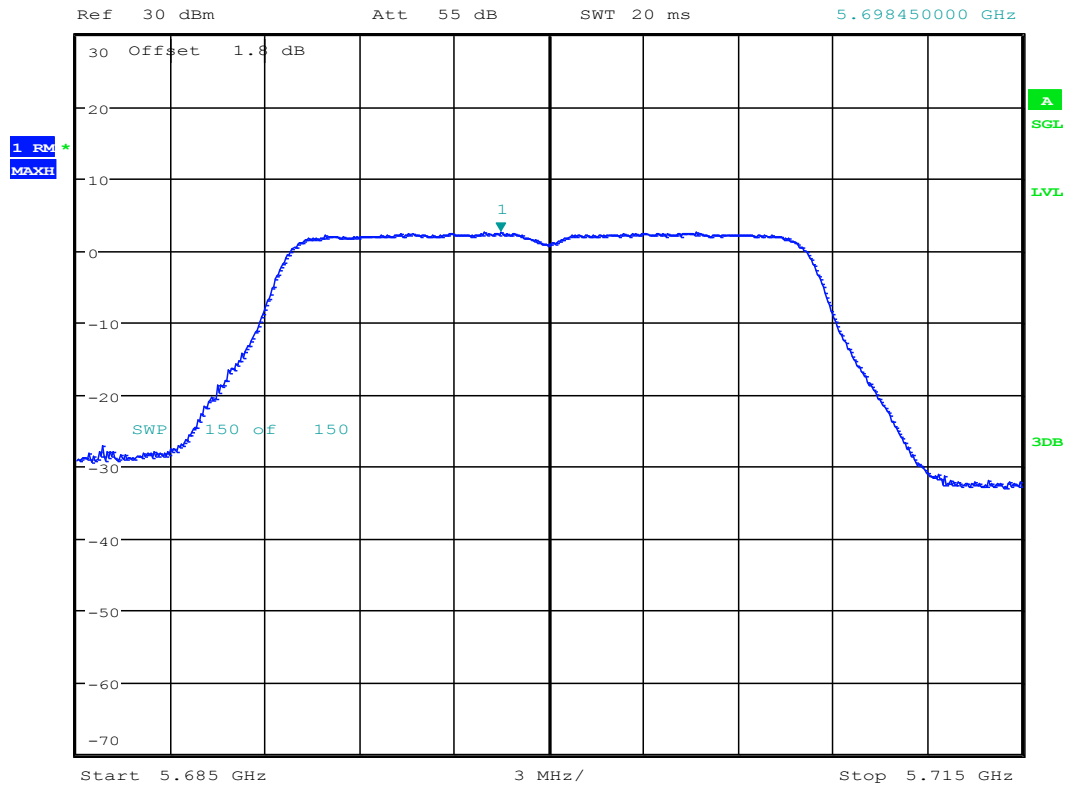
Date: 29.MAR.2018 12:27:16



### 11.11 11A20\_140 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      2.55 dBm  
SWT 20 ms      5.698450000 GHz



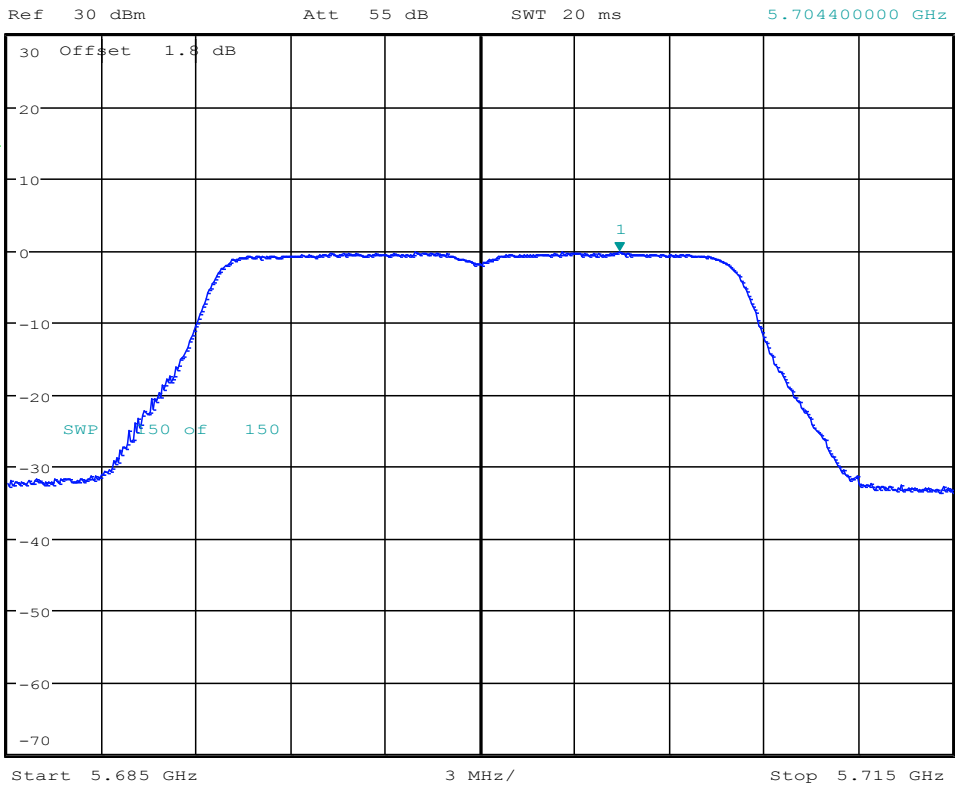
Date: 28.MAR.2018 14:45:30



### 11.12 11A20\_140 ANT 2



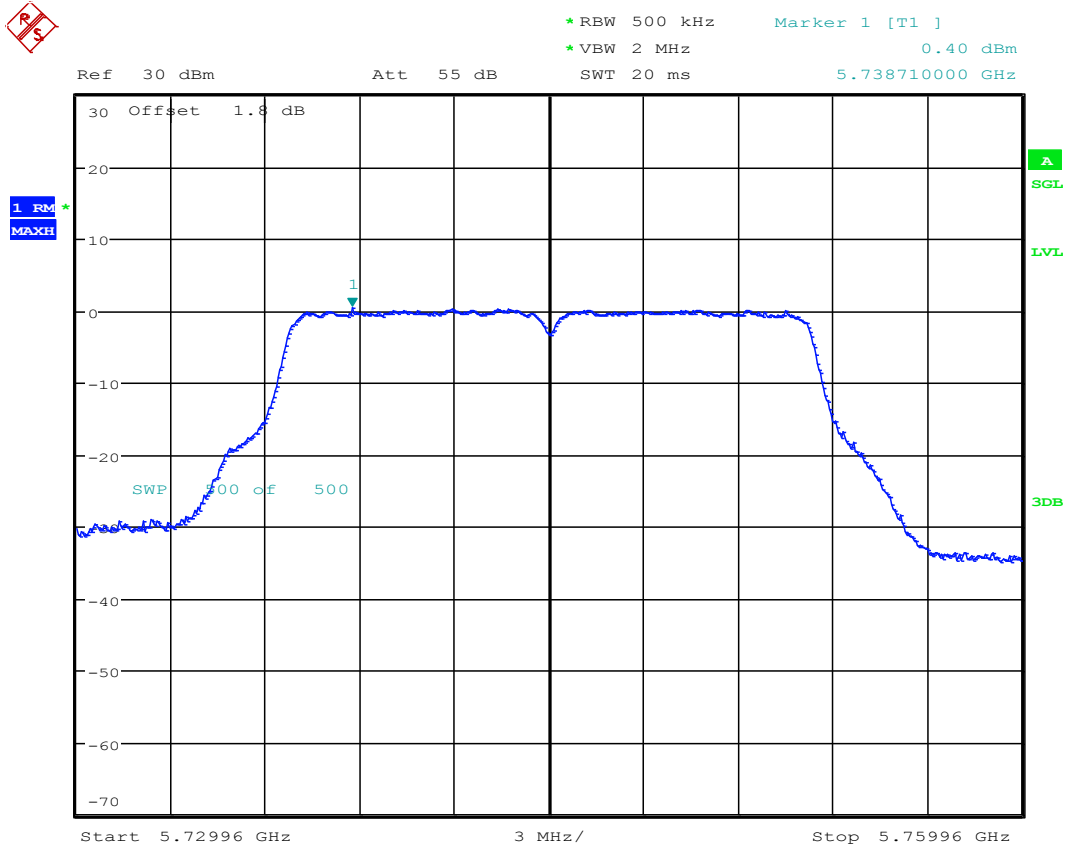
\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -0.11 dBm  
 SWT 20 ms      5.704400000 GHz



Date: 29.MAR.2018 12:29:42



### 11.13 11A20\_149 ANT 1



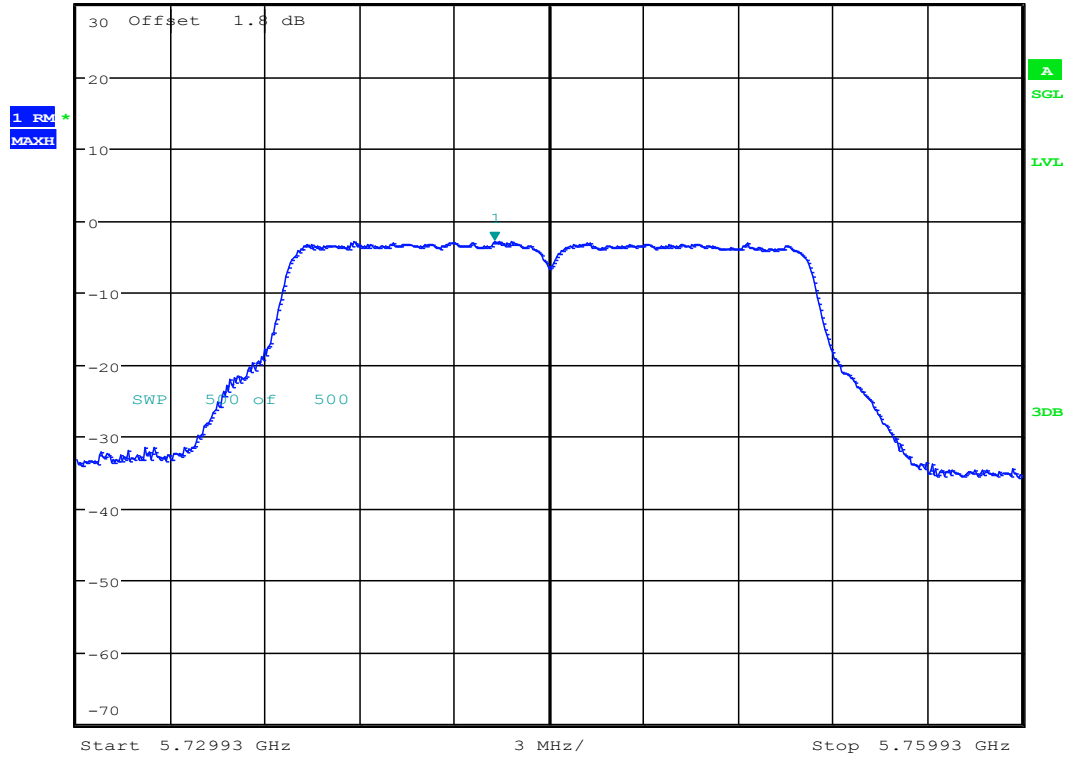
Date: 28.MAR.2018 14:53:19



### 11.14 11A20\_149 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -2.77 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.743180000 GHz



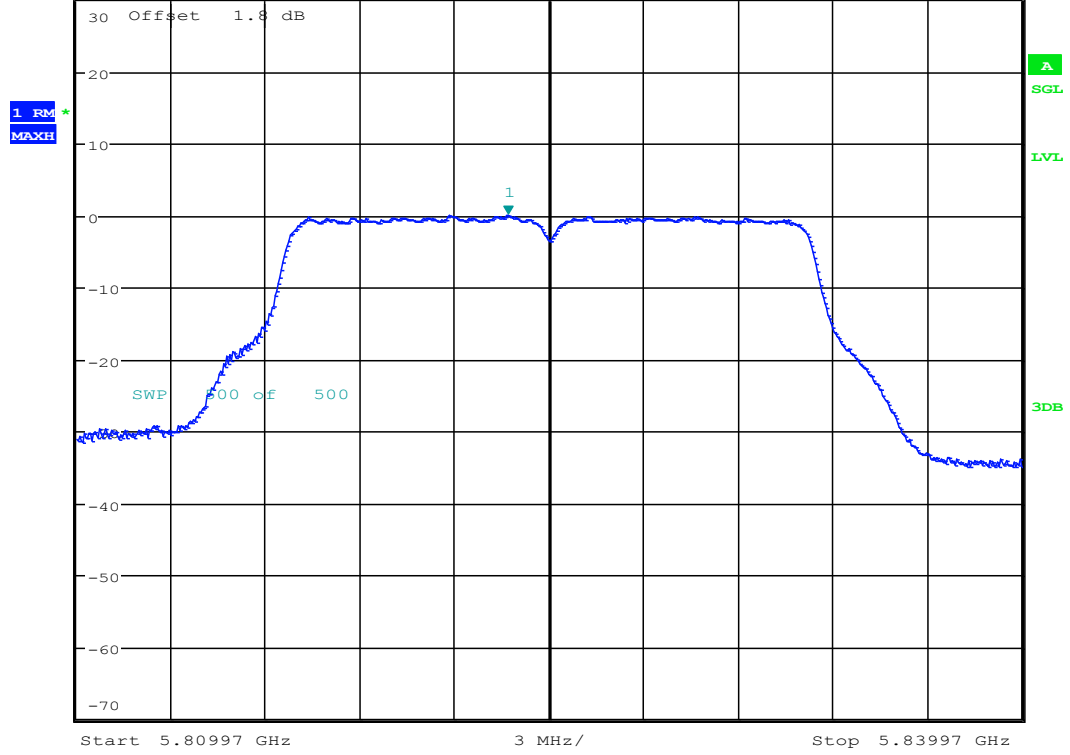
Date: 29.MAR.2018 12:37:17



### 11.15 11A20\_165 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz                              0.04 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.823670000 GHz



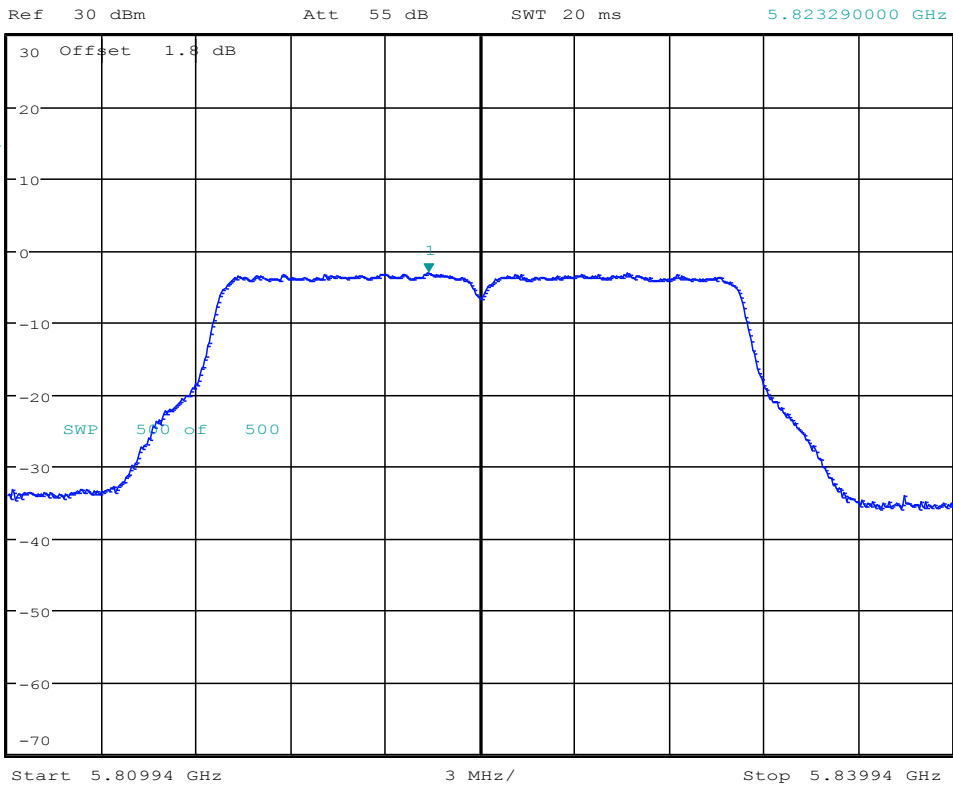
Date: 28.MAR.2018 14:57:42



11.16 11A20\_165 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
\*VBW 2 MHz                                -3.16 dBm  
SWT 20 ms                                5.823290000 GHz



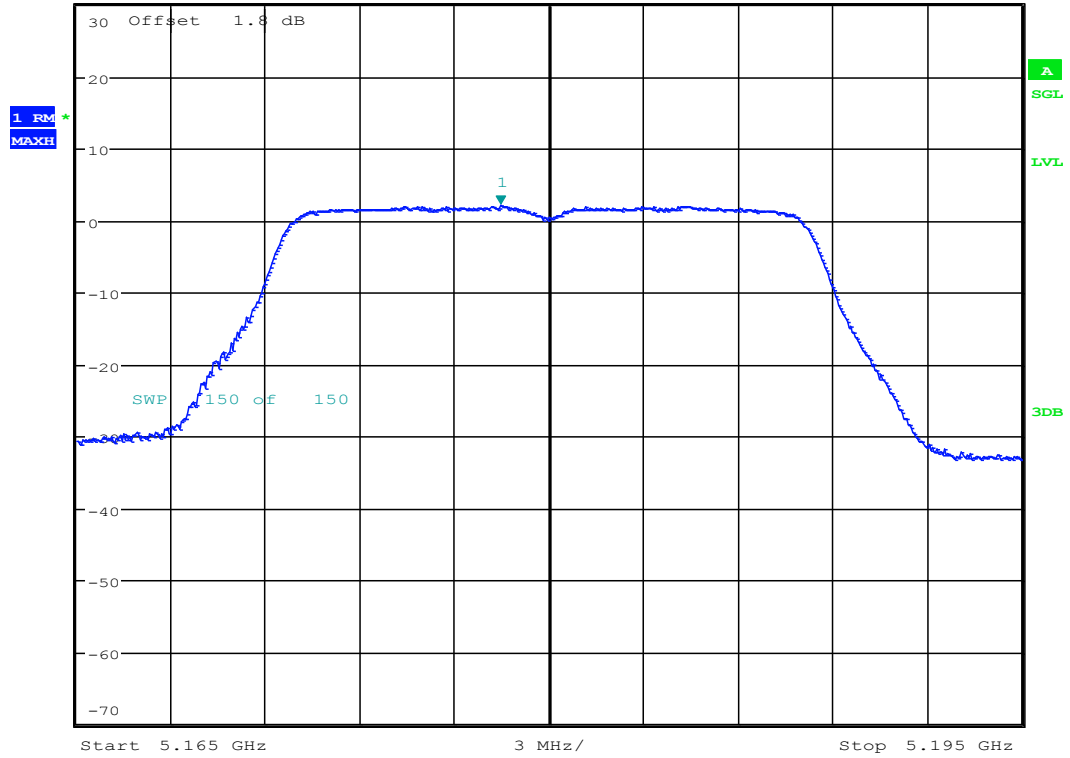
Date: 29.MAR.2018 12:40:23



### 11.17 11A20\_CDD\_36 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      2.12 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.178450000 GHz



Date: 28.MAR.2018 17:41:46



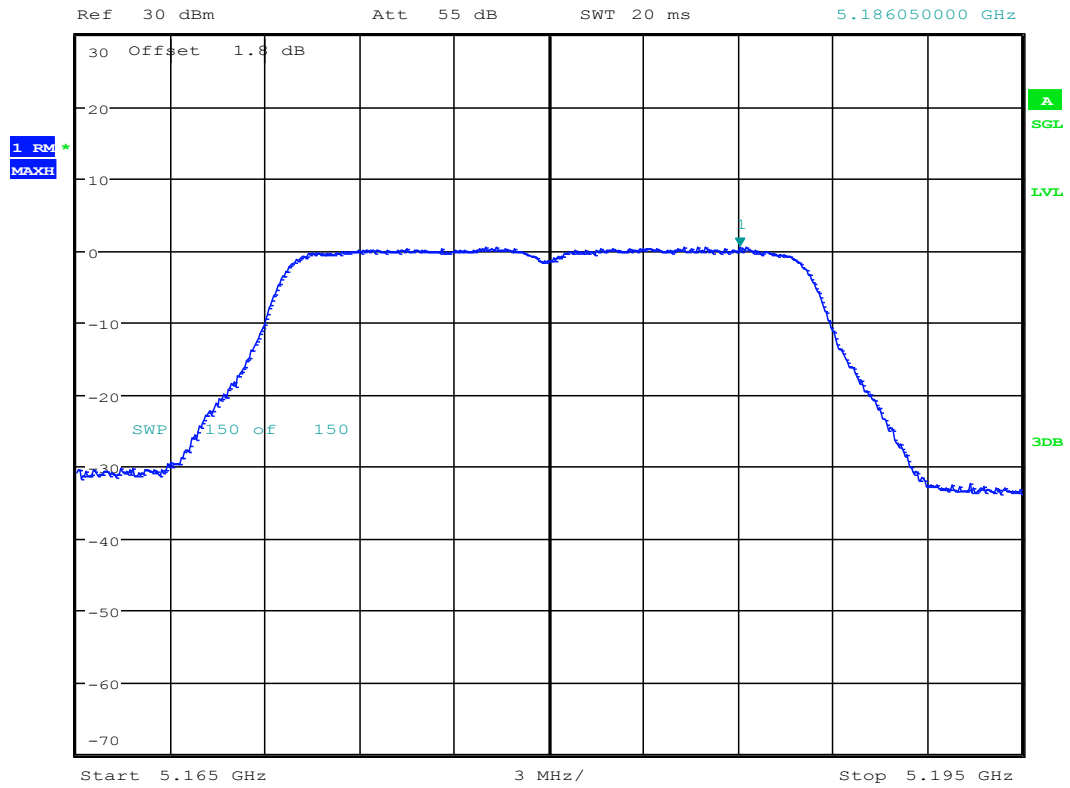


### 11.18 11A20\_CDD\_36 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

Marker 1 [T1 ]  
0.52 dBm  
5.186050000 GHz



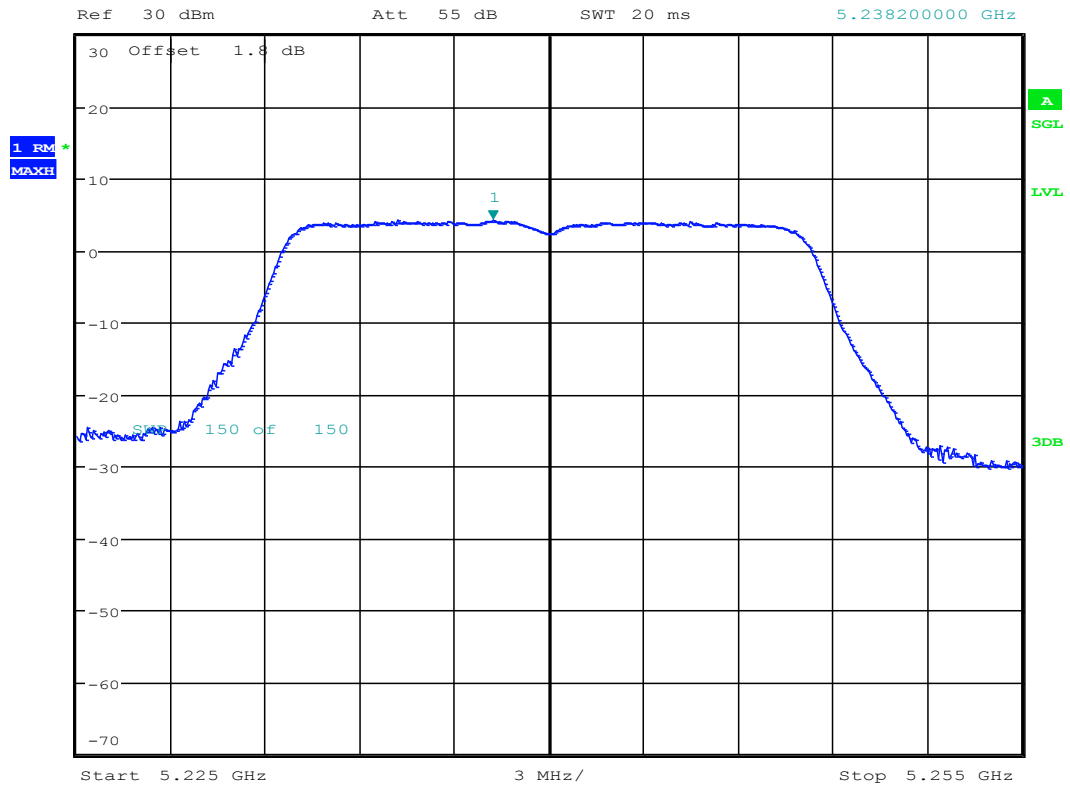
Date: 29.MAR.2018 16:36:02



### 11.19 11A20\_CDD\_48 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
4.22 dBm  
5.238200000 GHz



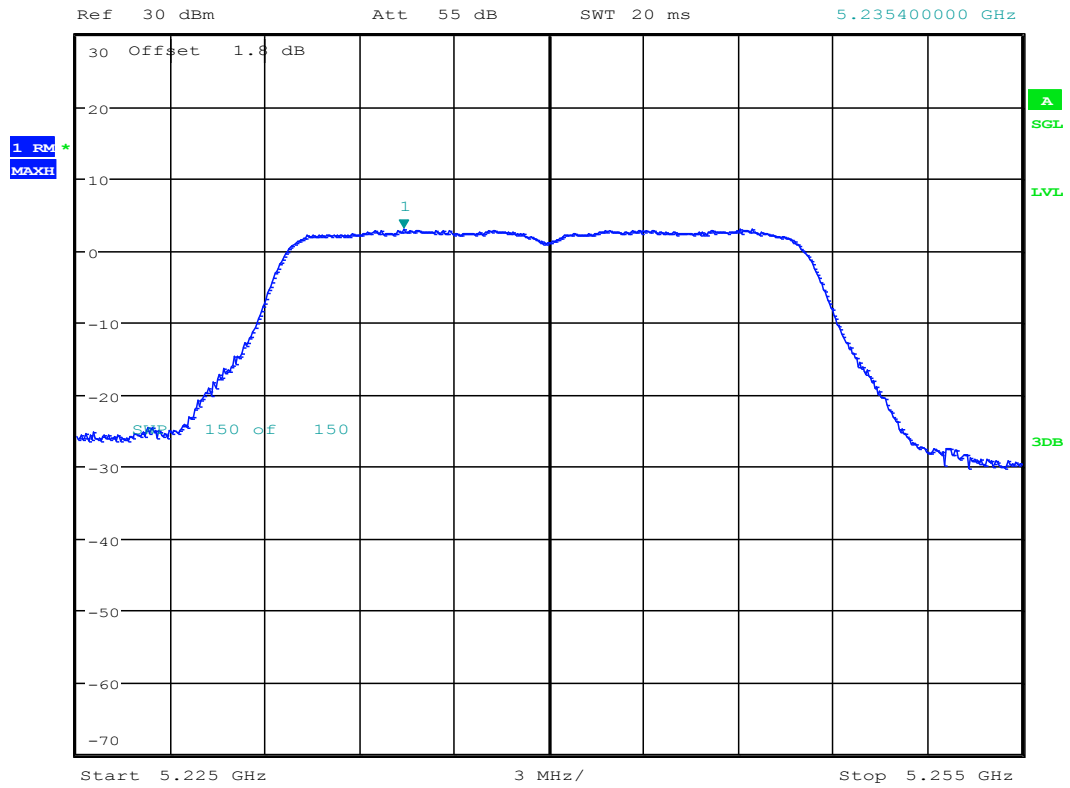
Date: 28.MAR.2018 17:44:36



### 11.20 11A20\_CDD\_48 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
2.93 dBm  
5.235400000 GHz



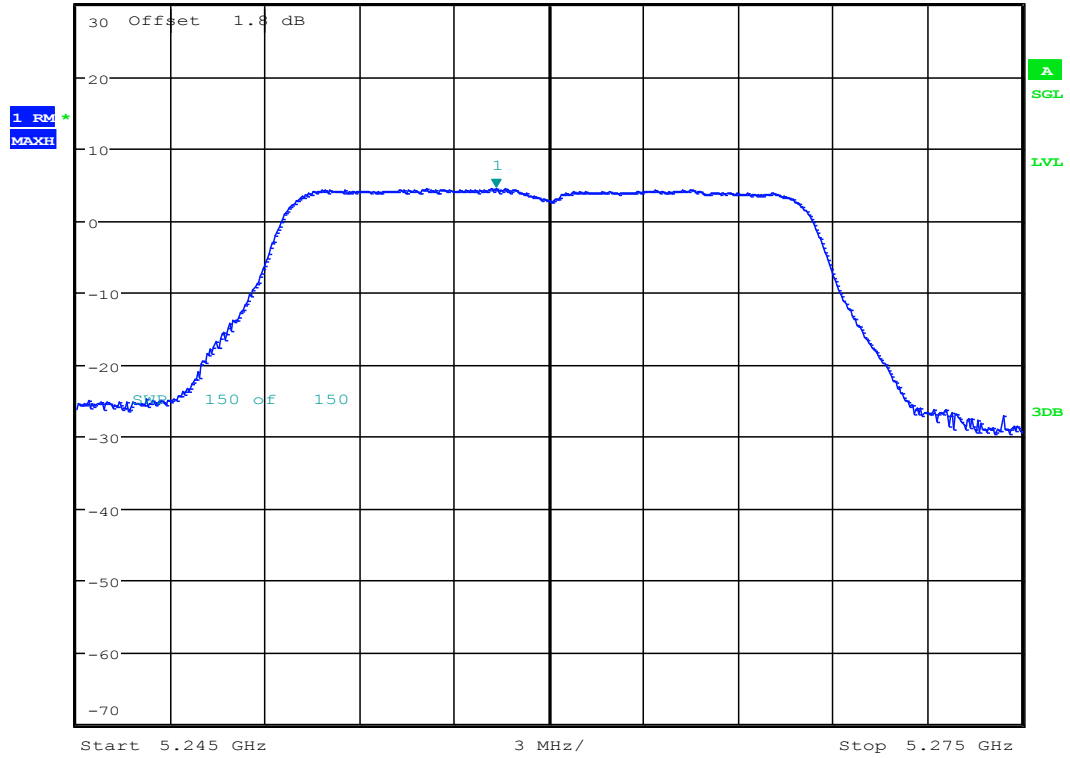
Date: 29.MAR.2018 16:38:43



### 11.21 11A20\_CDD\_52 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      4.51 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.258300000 GHz



Date: 28.MAR.2018 17:47:18

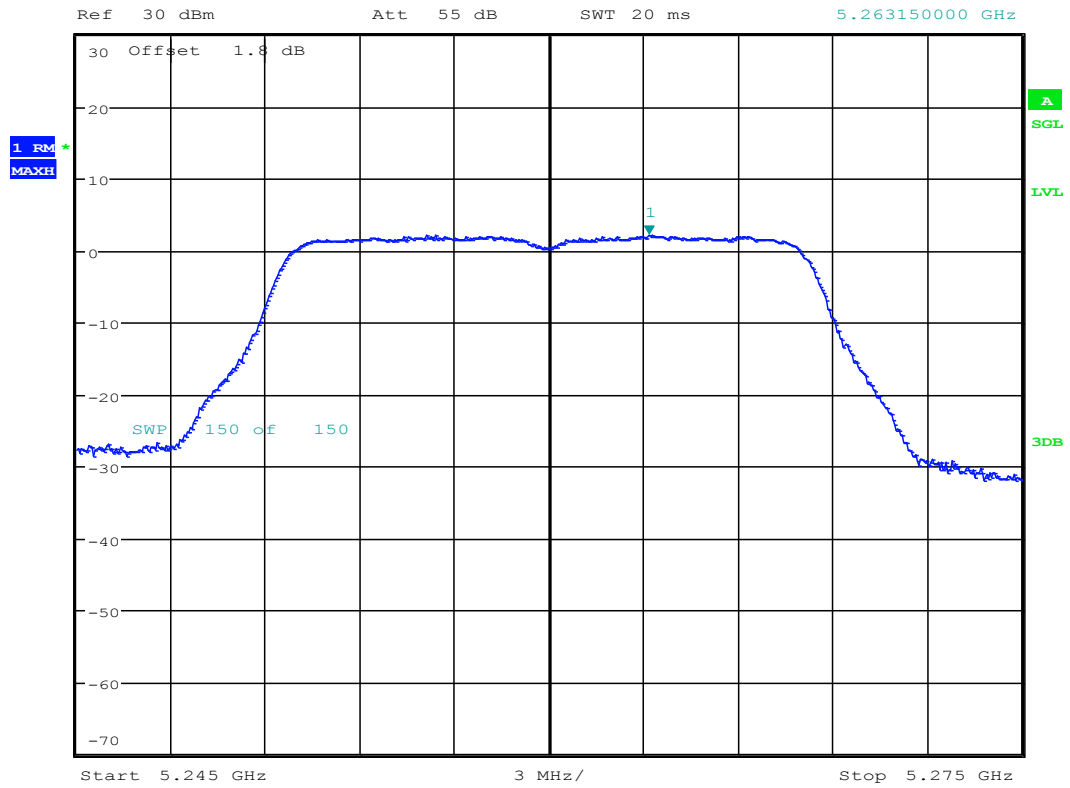


### 11.22 11A20\_CDD\_52 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

Marker 1 [T1 ]  
2.12 dBm  
5.263150000 GHz



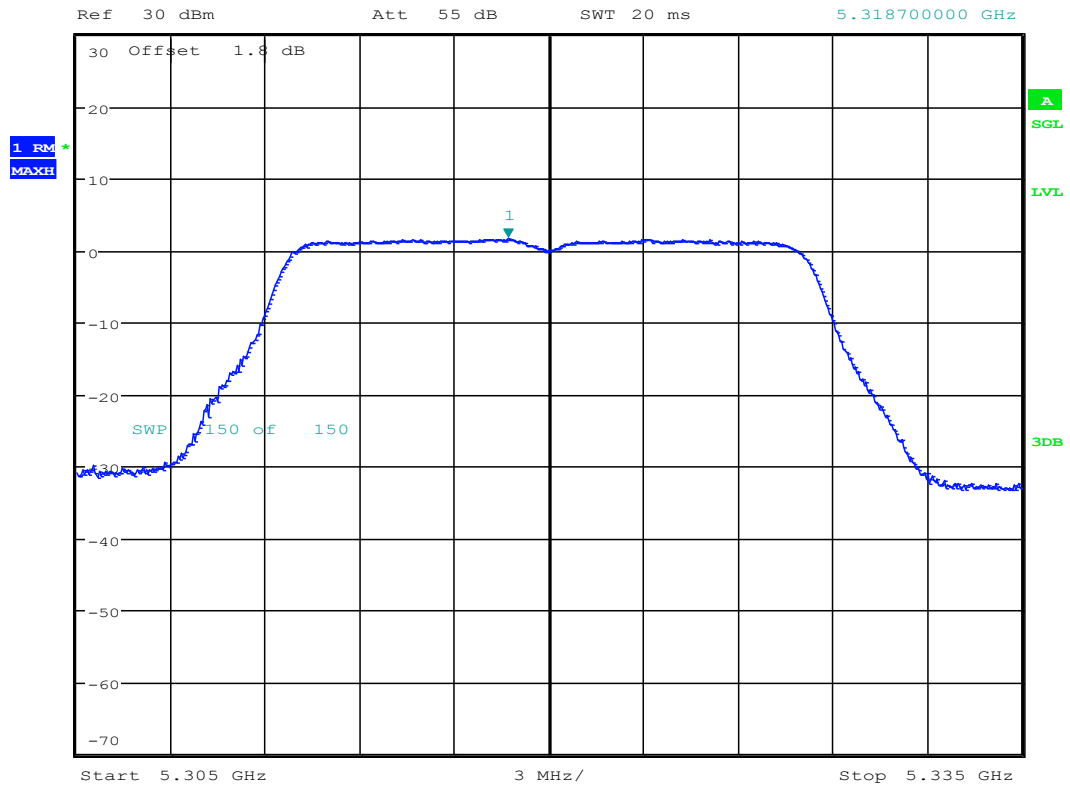
Date: 29.MAR.2018 16:51:55



### 11.23 11A20\_CDD\_64 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      1.67 dBm  
SWT 20 ms      5.318700000 GHz



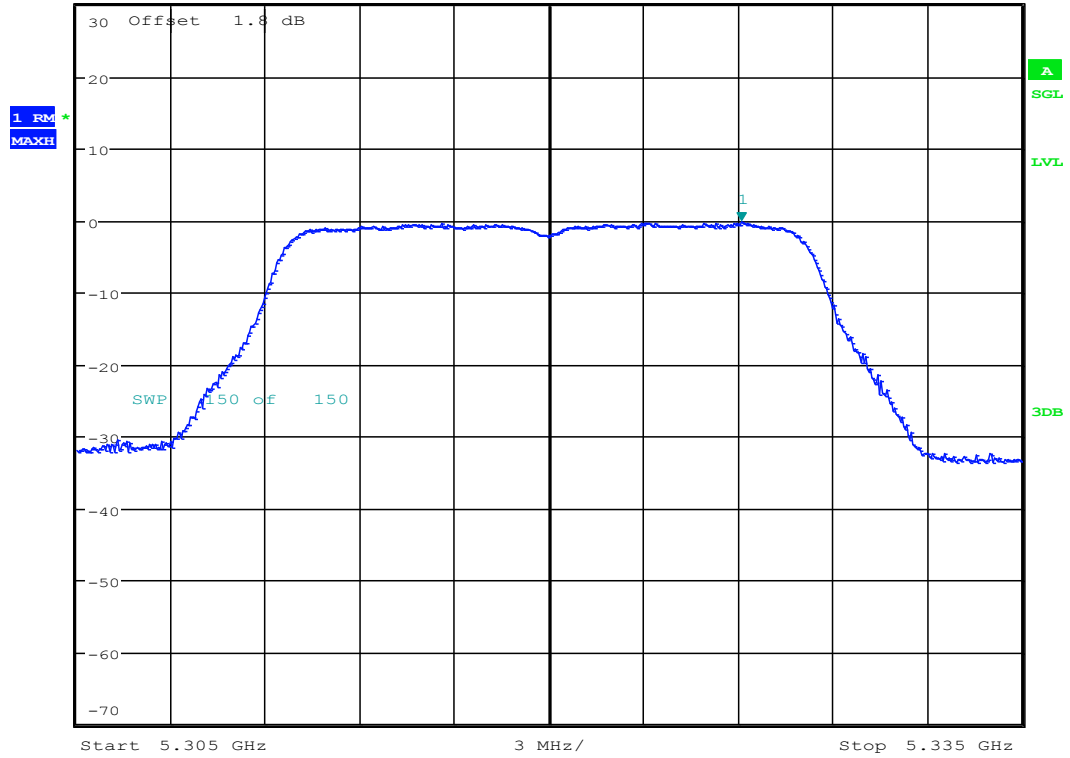
Date: 28.MAR.2018 17:49:50



### 11.24 11A20\_CDD\_64 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -0.22 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.326100000 GHz



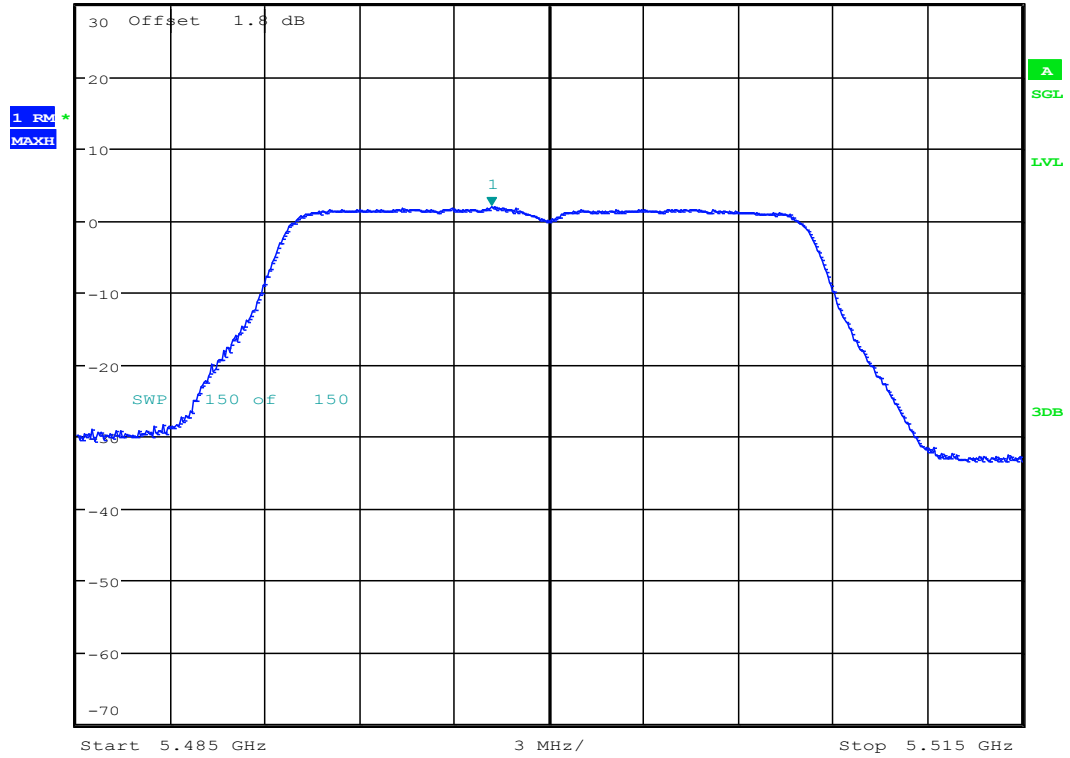
Date: 29.MAR.2018 16:54:56



### 11.25 11A20\_CDD\_100 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      1.95 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.498150000 GHz



Date: 28.MAR.2018 17:52:31



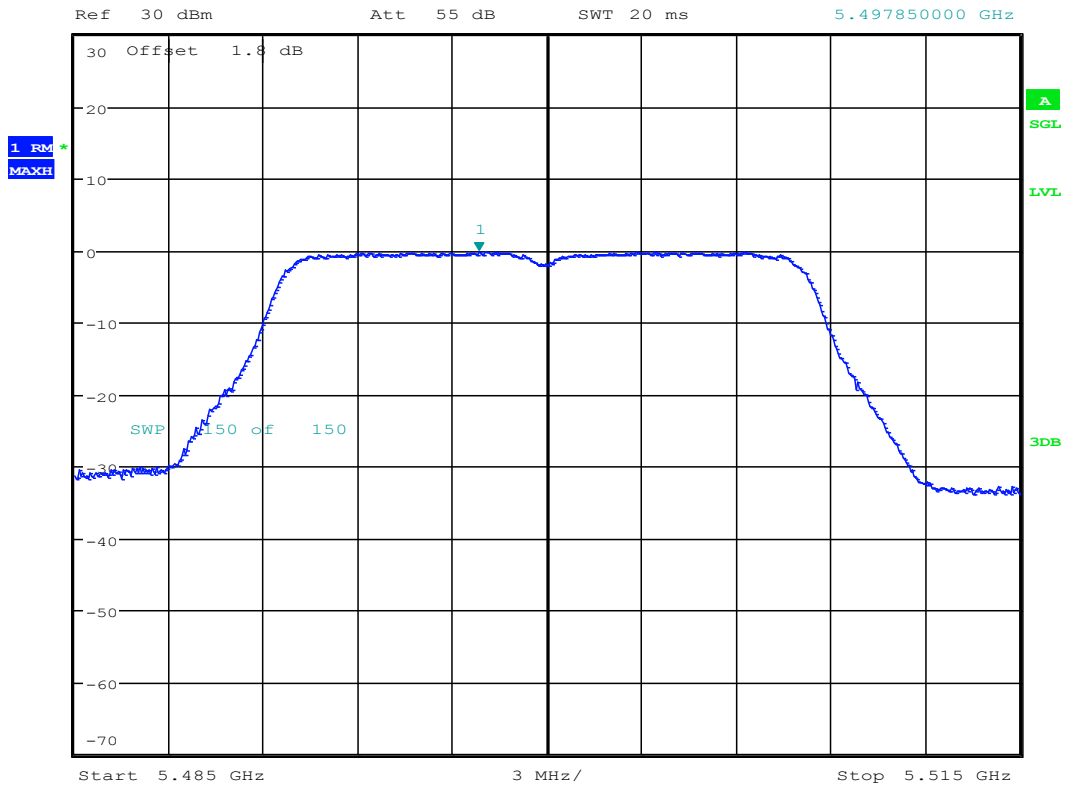


### 11.26 11A20\_CDD\_100 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

Marker 1 [T1 ]  
-0.11 dBm  
5.497850000 GHz



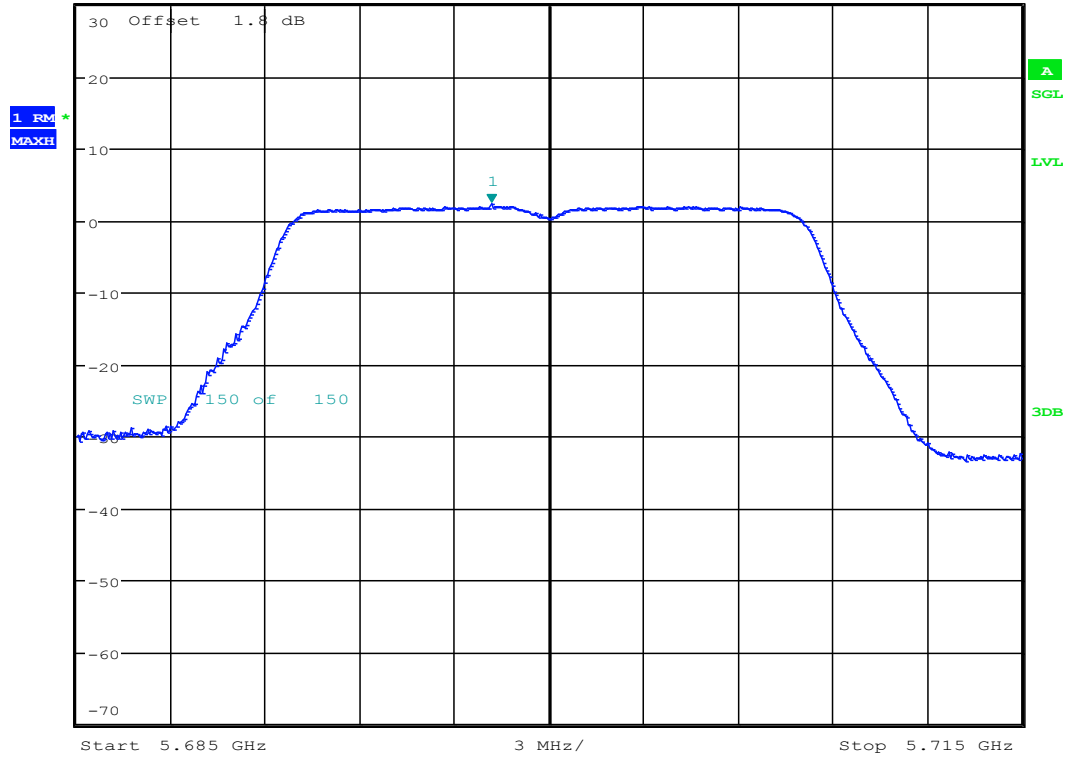
Date: 29.MAR.2018 16:57:46



### 11.27 11A20\_CDD\_140 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      2.30 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.698150000 GHz



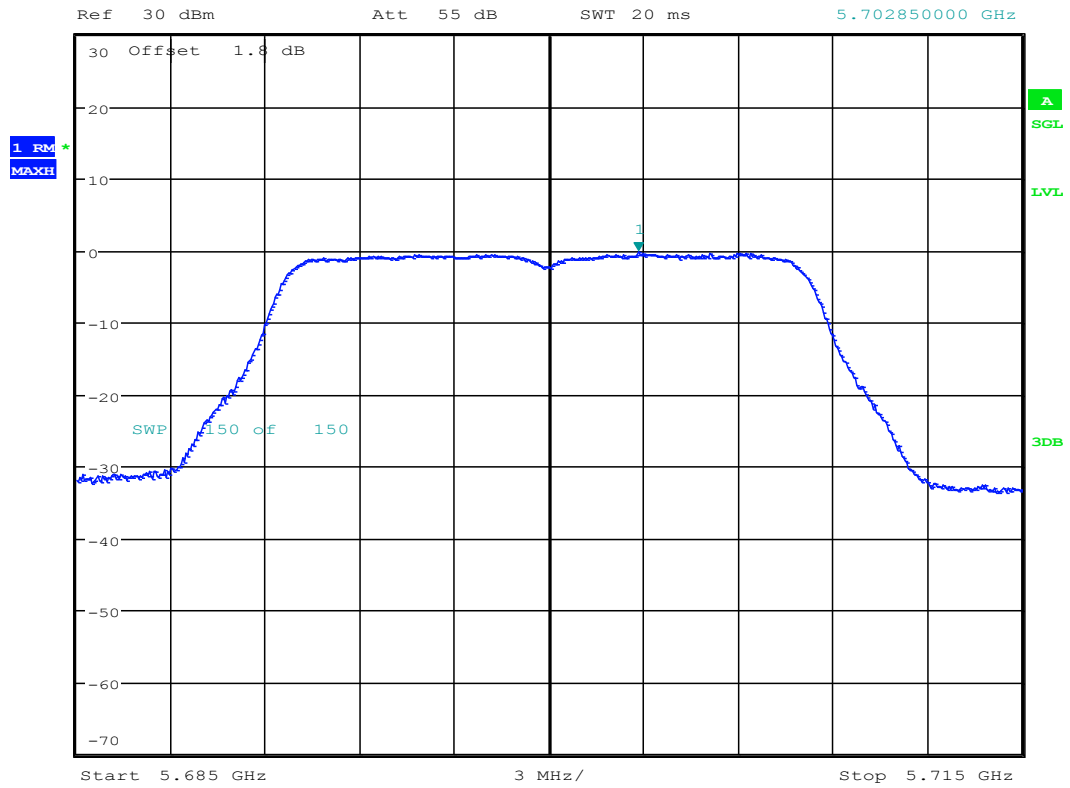
Date: 28.MAR.2018 17:55:19



### 11.28 11A20\_CDD\_140 ANT 2

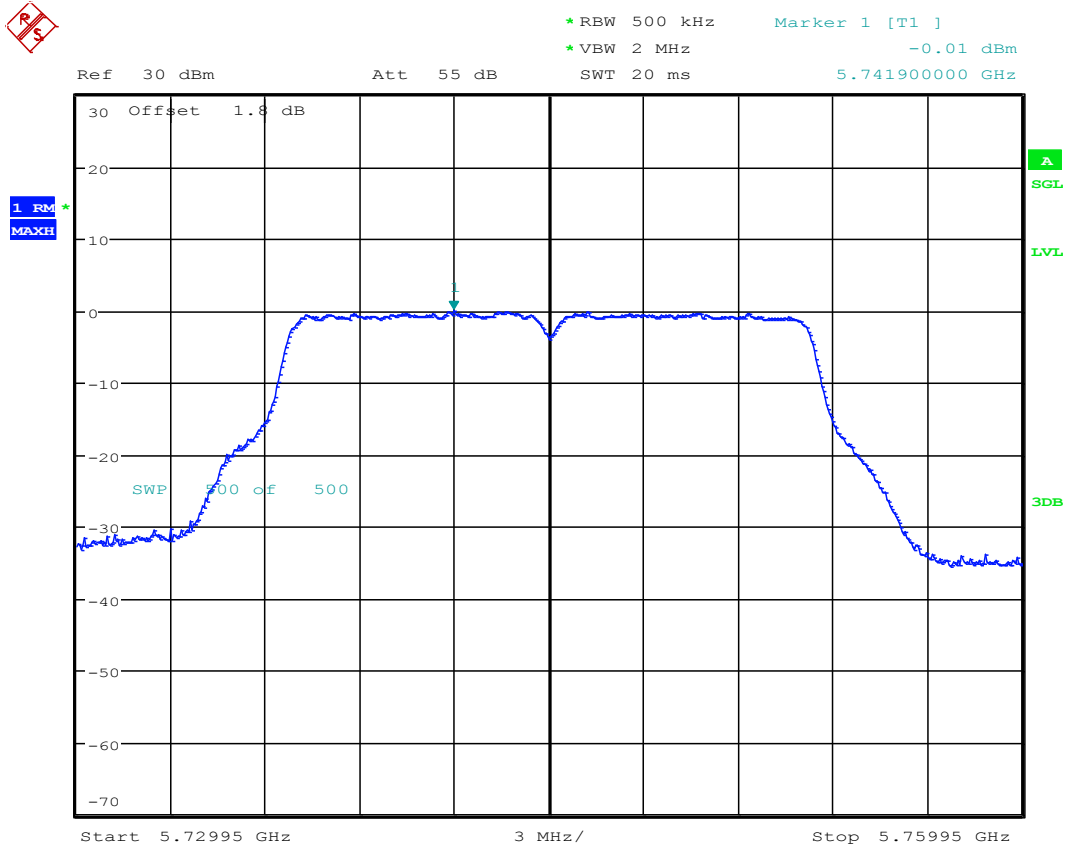


\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -0.19 dBm  
SWT 20 ms      5.702850000 GHz



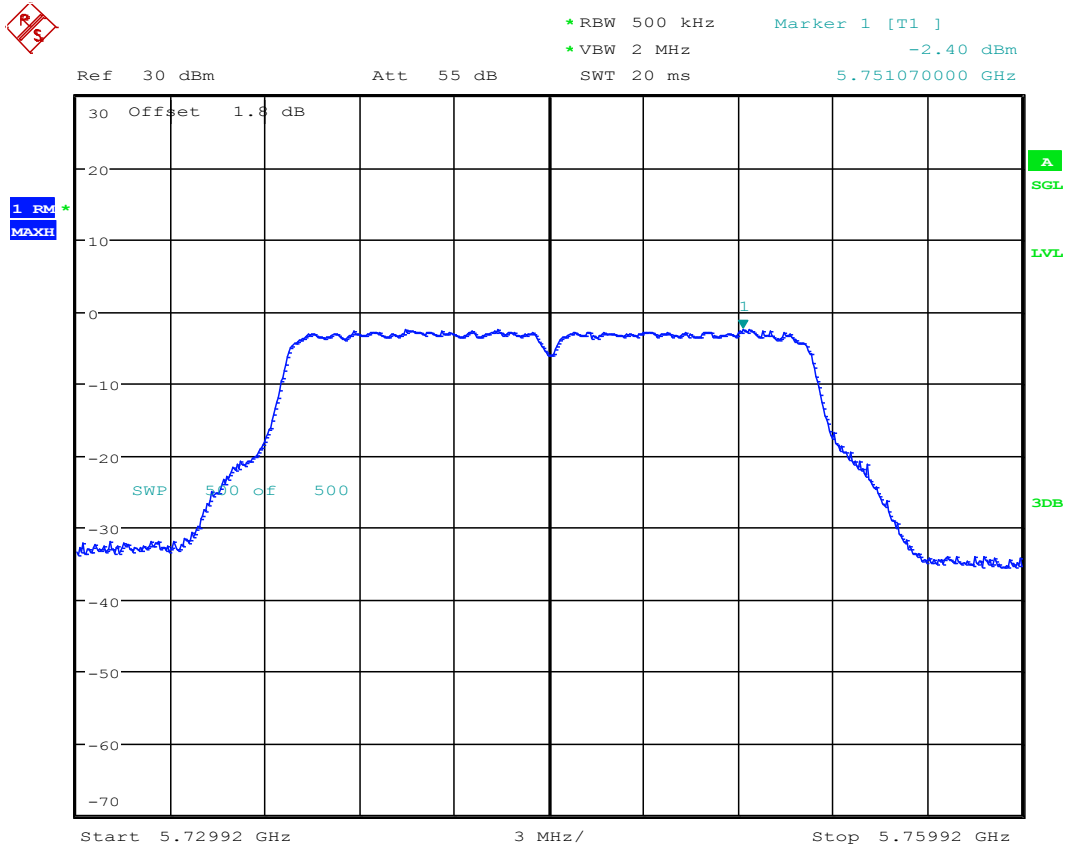
Date: 29.MAR.2018 17:00:15

### 11.29 11A20\_CDD\_149 ANT 1



Date: 28.MAR.2018 18:01:32

### 11.30 11A20\_CDD\_149 ANT 2



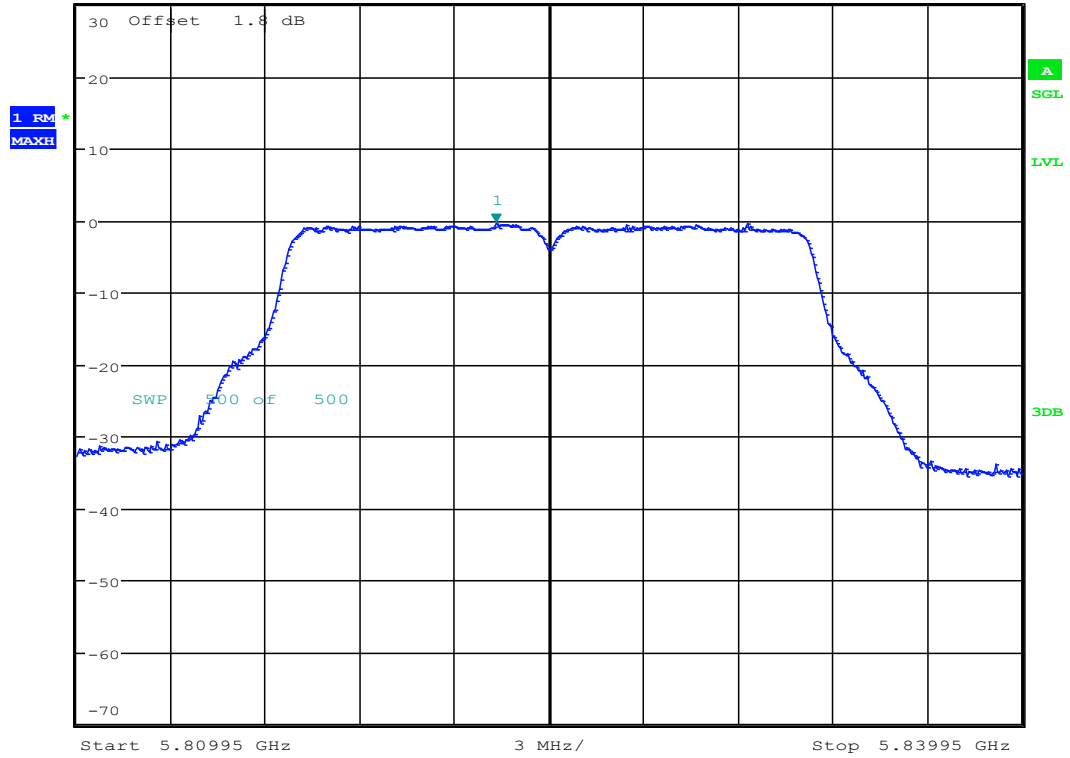
Date: 29.MAR.2018 17:07:26



### 11.31 11A20\_CDD\_165 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -0.44 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.823250000 GHz



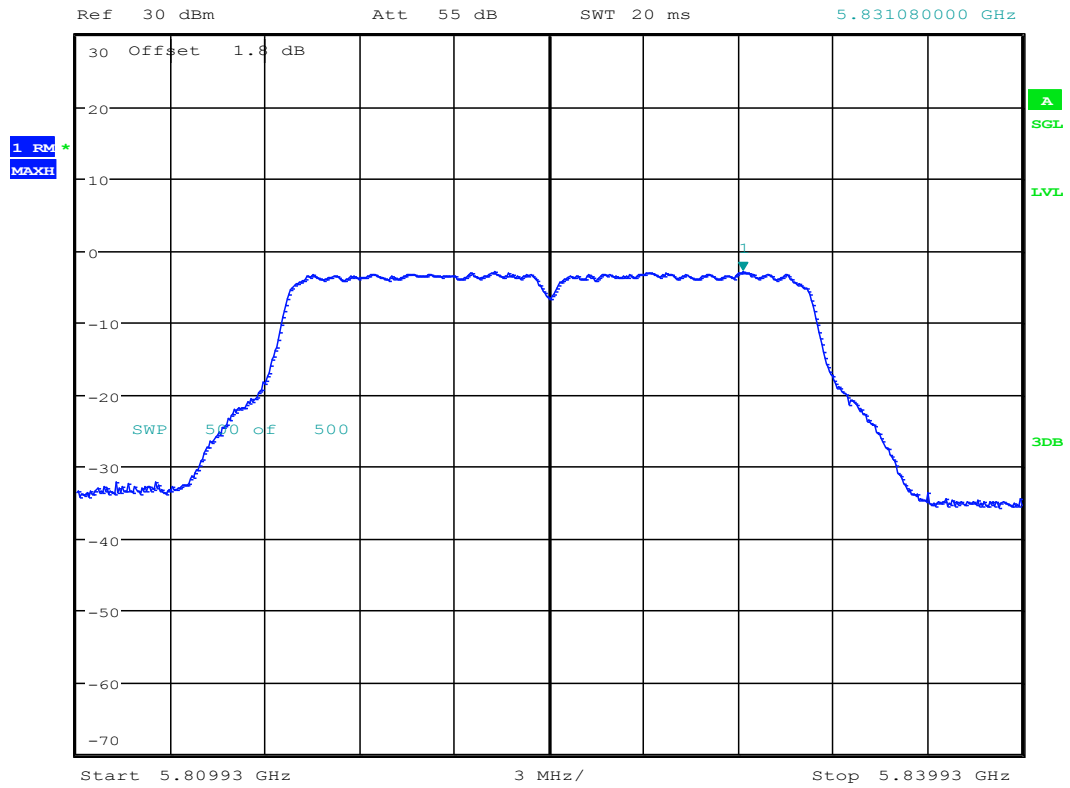
Date: 28.MAR.2018 18:04:40



### 11.32 11A20\_CDD\_165 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
\*VBW 2 MHz      -2.93 dBm  
SWT 20 ms      5.831080000 GHz



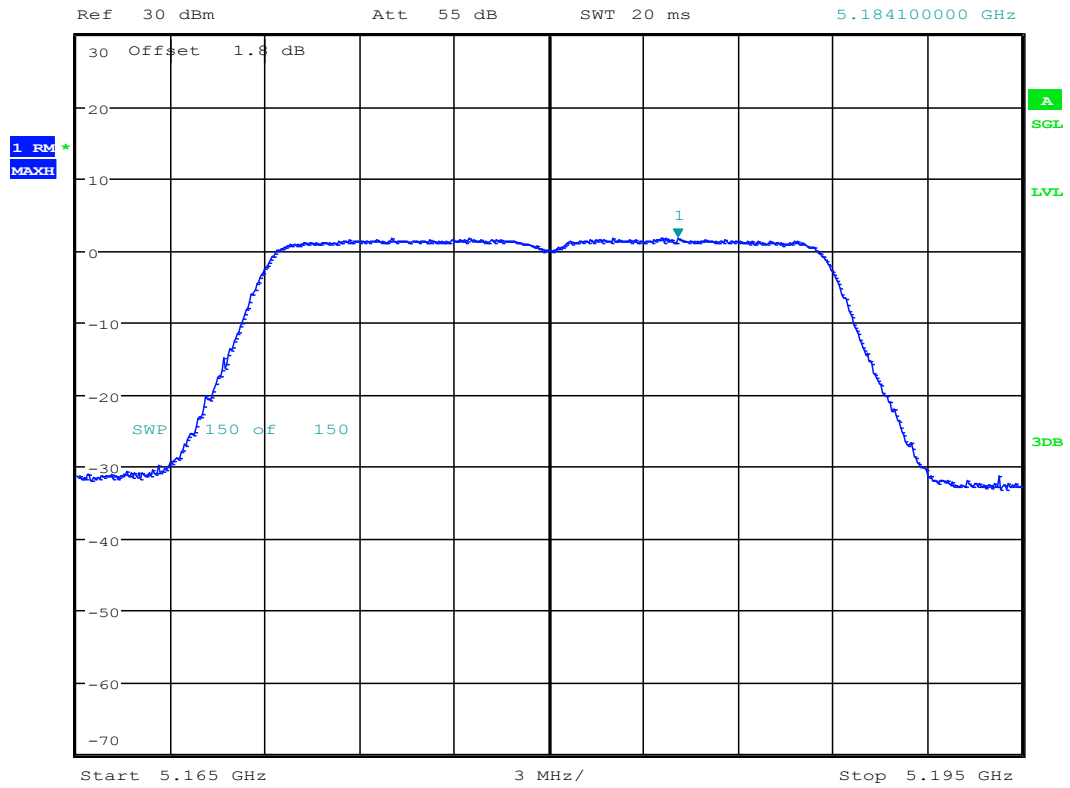
Date: 29.MAR.2018 17:13:12



### 11.33 11N20\_36 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
1.76 dBm  
5.184100000 GHz



Date: 28.MAR.2018 15:06:52

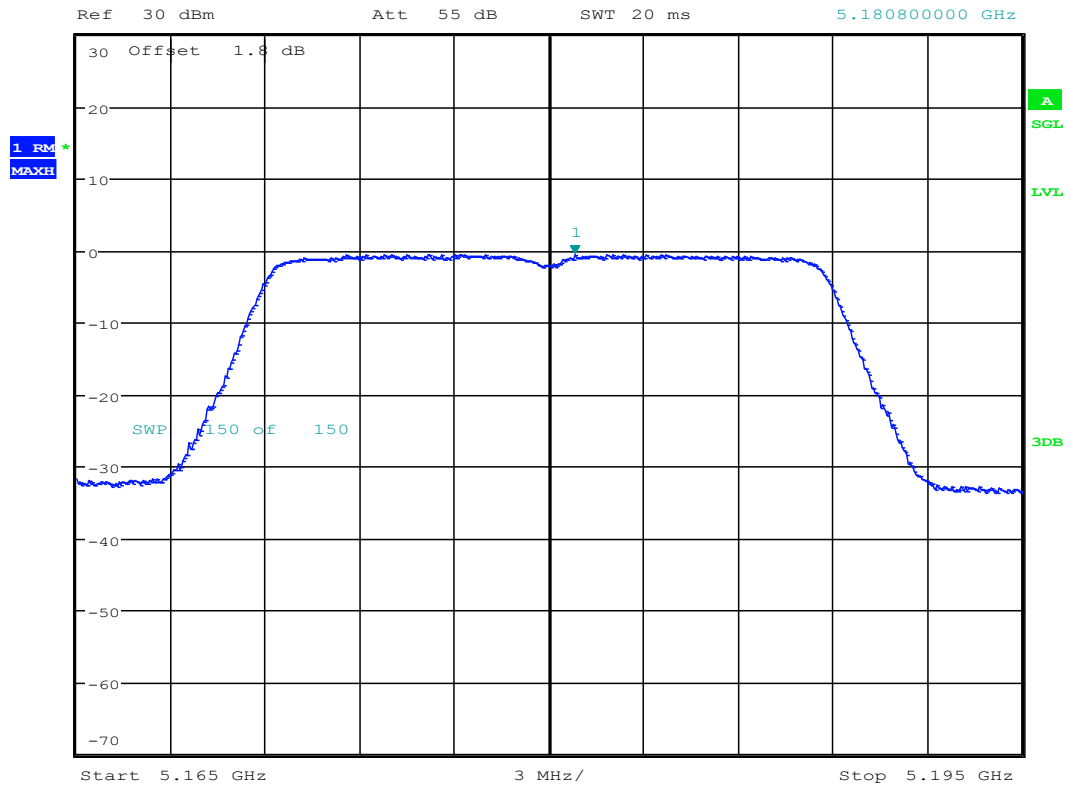




### 11.34 11N20\_36 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -0.47 dBm  
SWT 20 ms      5.180800000 GHz



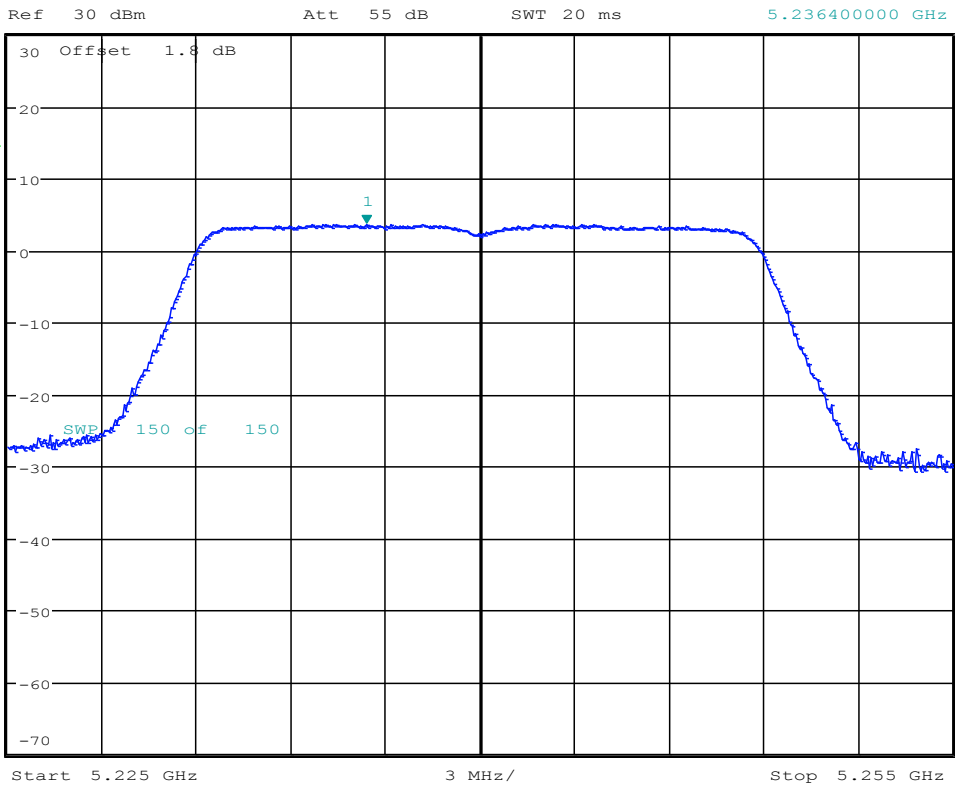
Date: 29.MAR.2018 12:43:53



### 11.35 11N20\_48 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
3.72 dBm  
5.236400000 GHz



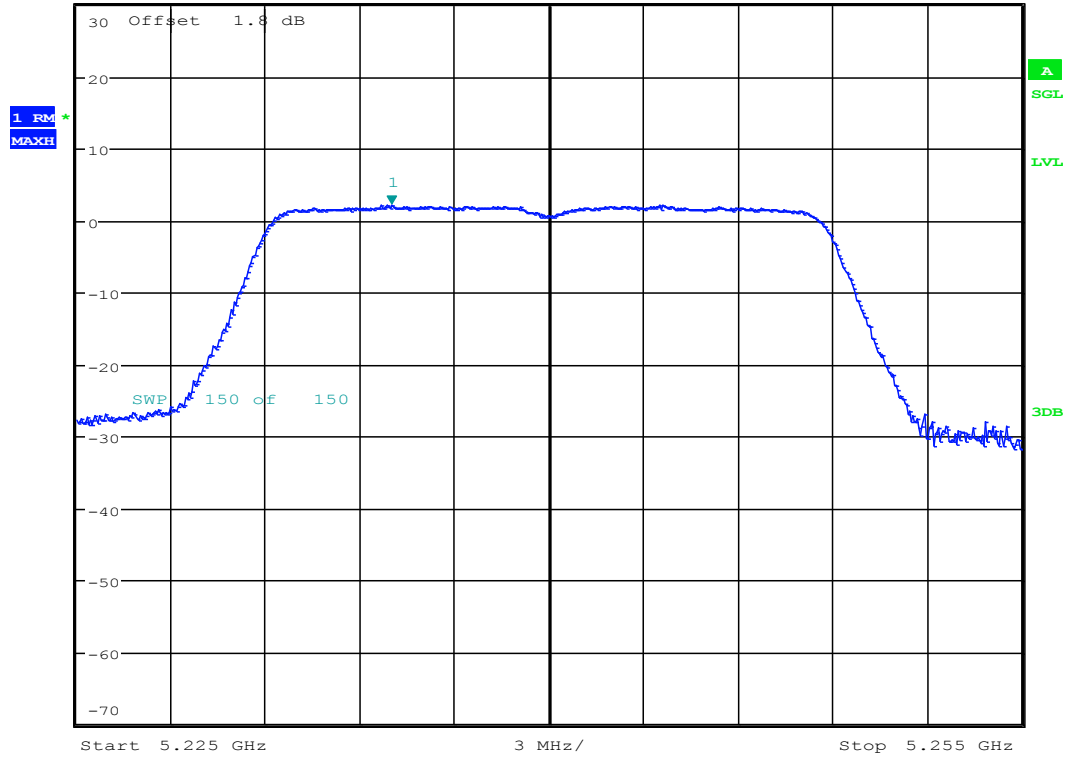
Date: 28.MAR.2018 15:09:25



### 11.36 11N20\_48 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      2.22 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.235000000 GHz



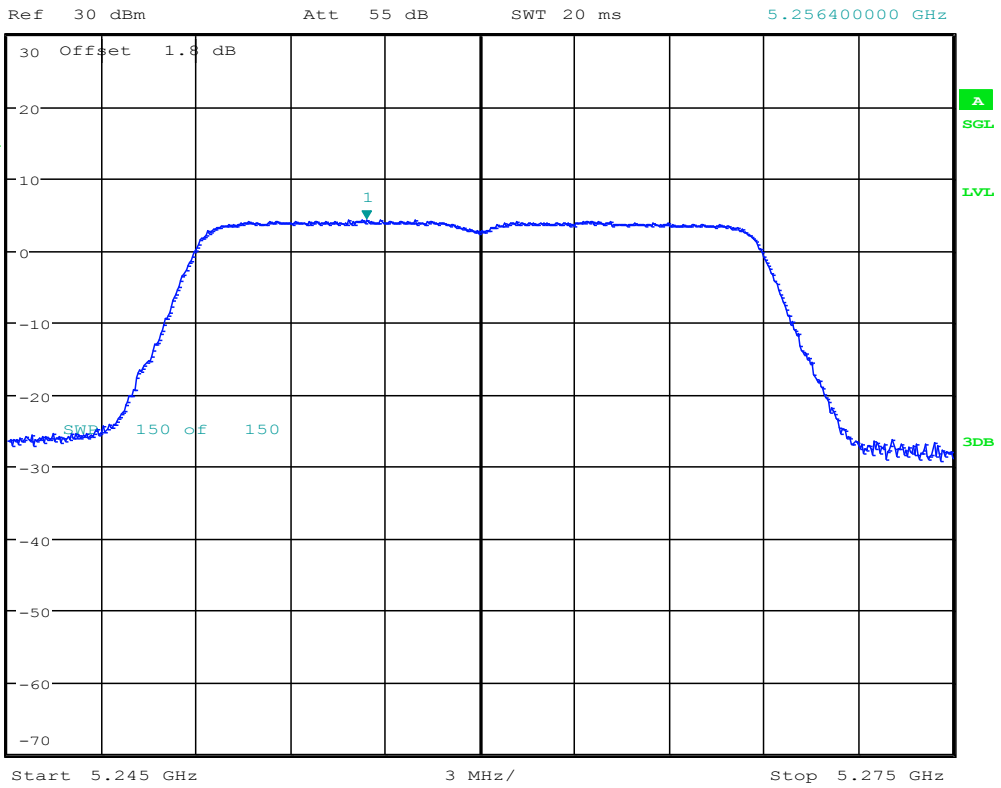
Date: 29.MAR.2018 12:46:47



### 11.37 11N20\_52 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
4.30 dBm  
5.256400000 GHz



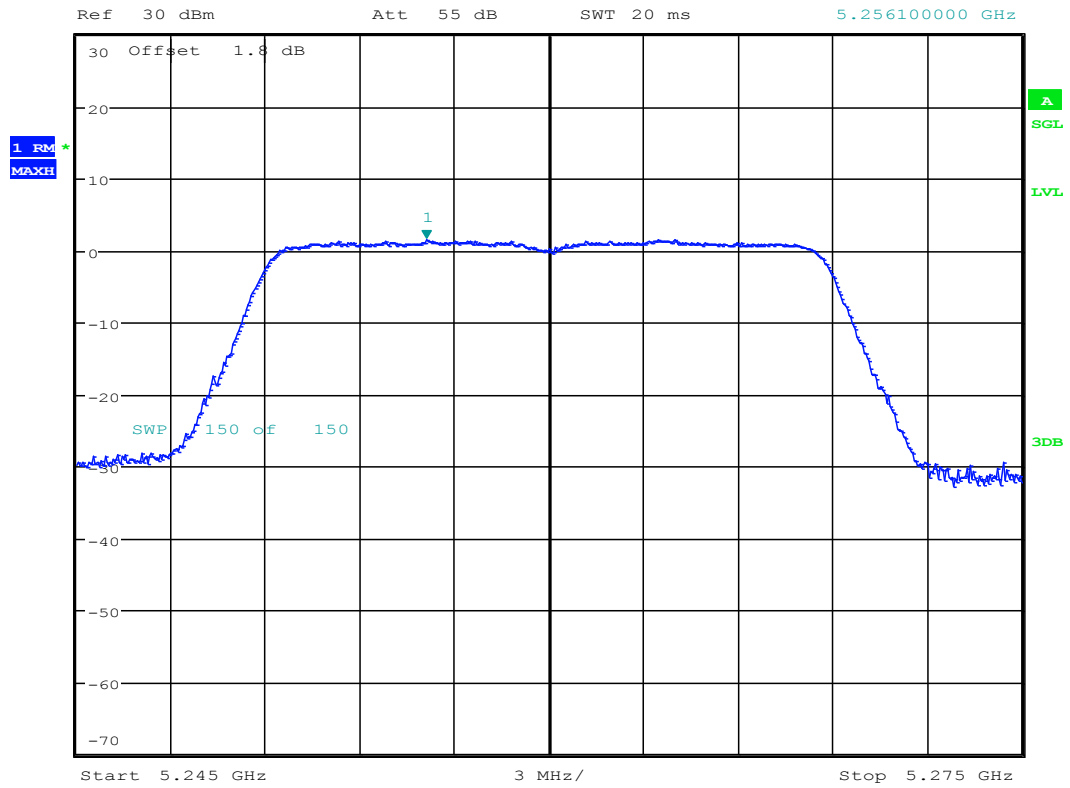
Date: 28.MAR.2018 15:17:32



### 11.38 11N20\_52 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
1.60 dBm  
5.256100000 GHz



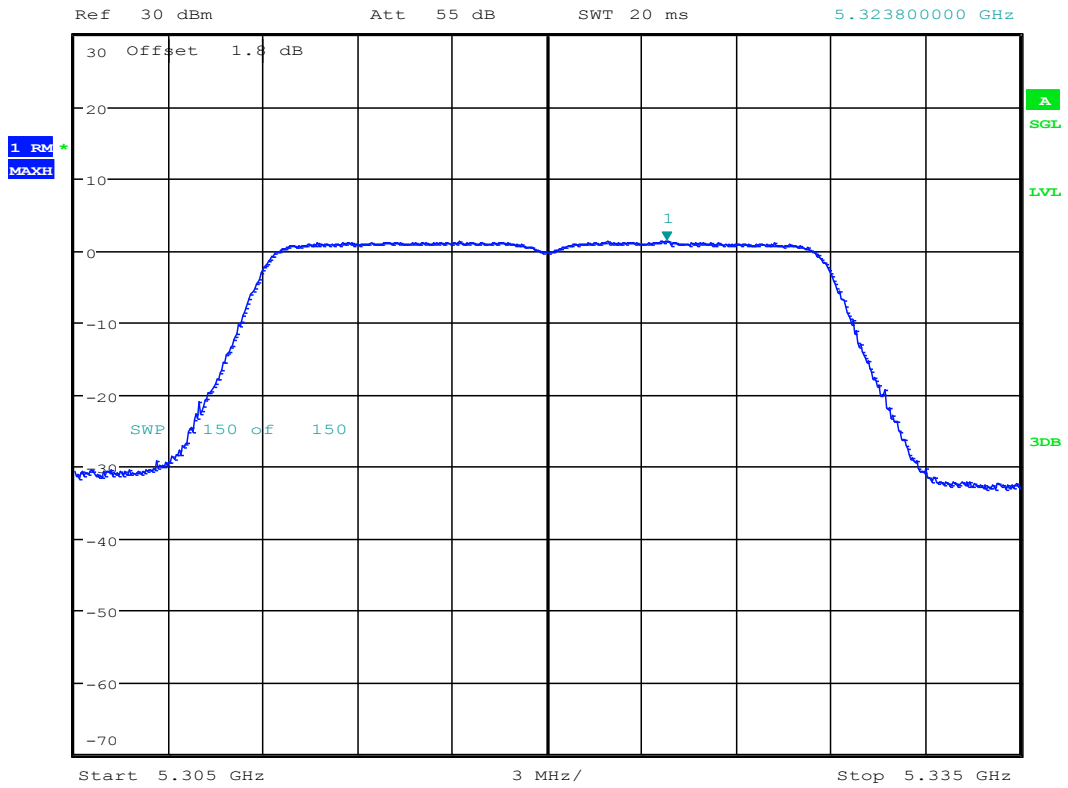
Date: 29.MAR.2018 12:49:18



### 11.39 11N20\_64 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
1.33 dBm  
5.323800000 GHz



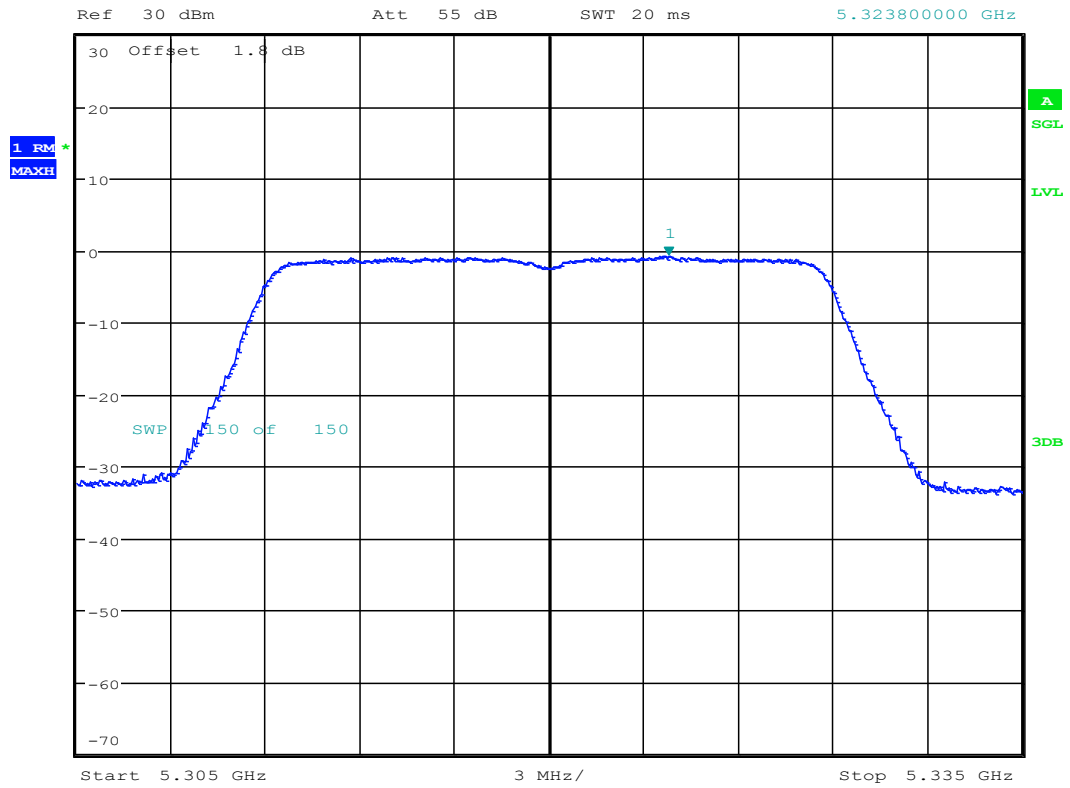
Date: 28.MAR.2018 15:20:03



### 11.40 11N20\_64 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -0.80 dBm  
SWT 20 ms      5.323800000 GHz



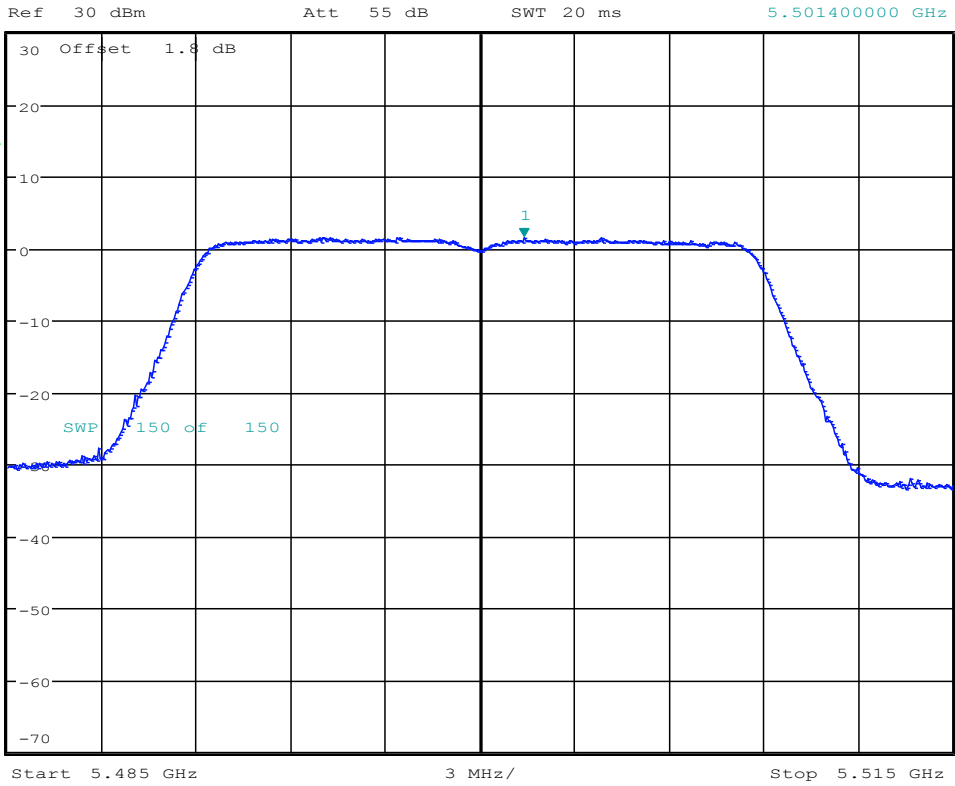
Date: 29.MAR.2018 12:51:43



### 11.41 11N20\_100 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      1.62 dBm  
SWT 20 ms      5.501400000 GHz



Date: 28.MAR.2018 15:23:07

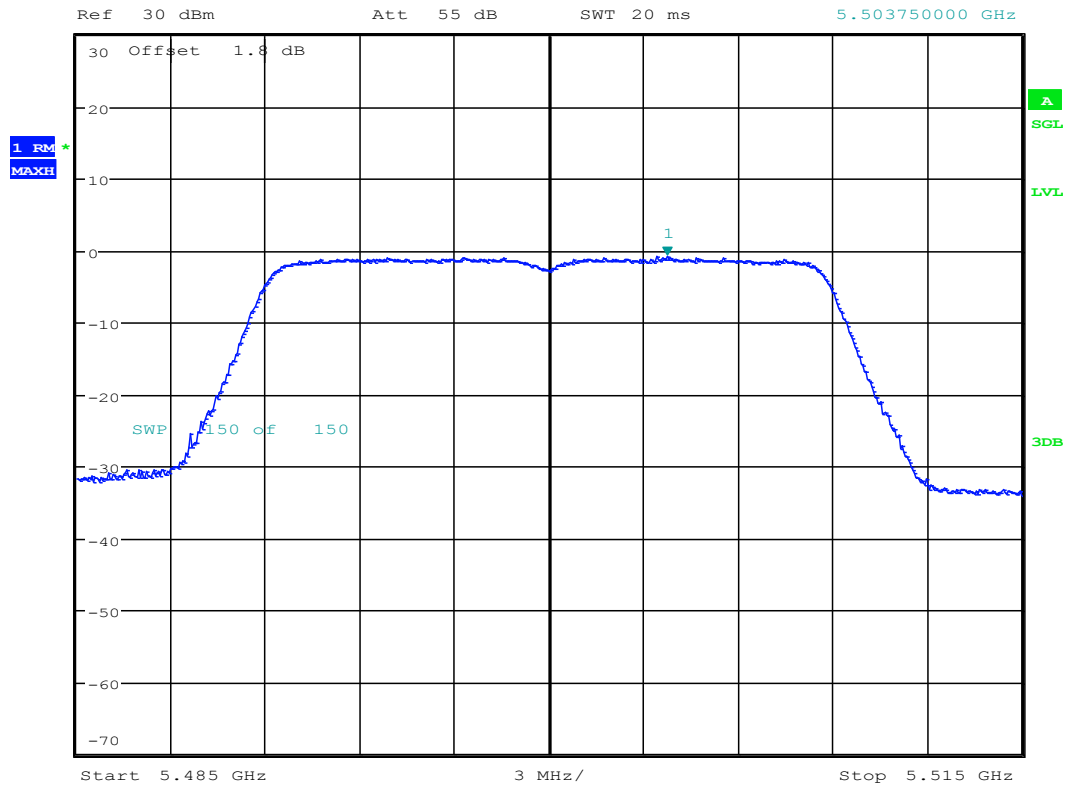




### 11.42 11N20\_100 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -0.85 dBm  
SWT 20 ms      5.503750000 GHz



Date: 29.MAR.2018 12:54:23

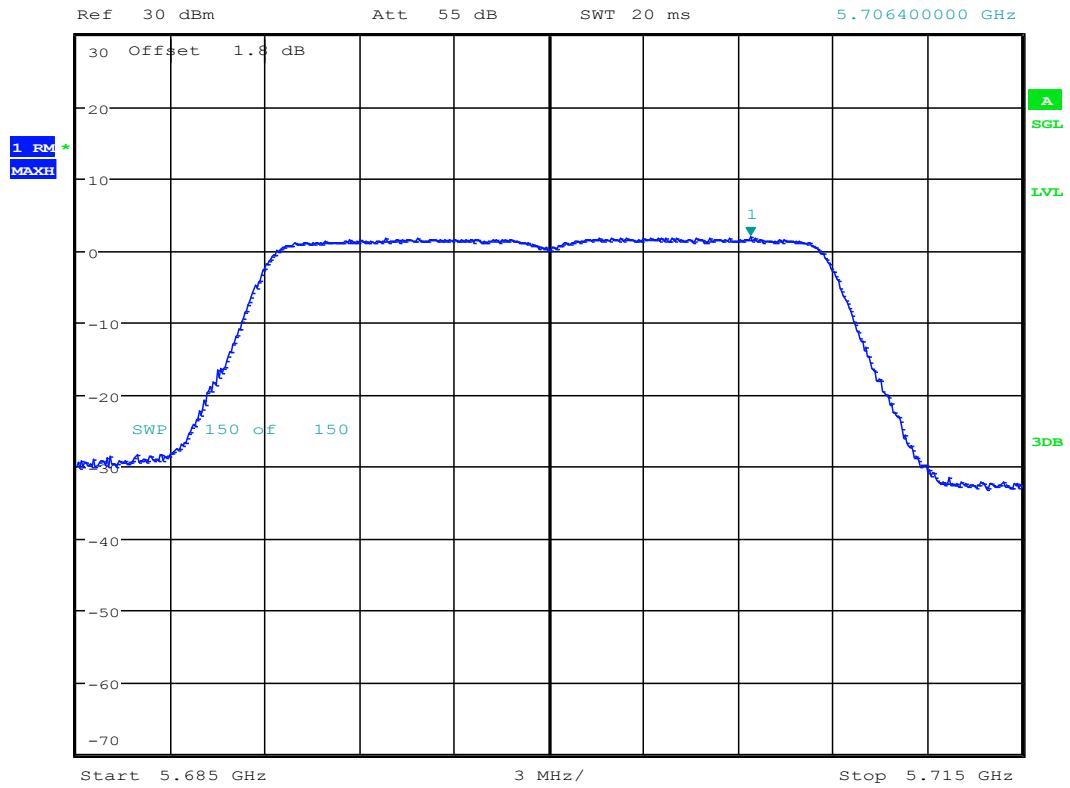


### 11.43 11N20\_140 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

Marker 1 [T1 ]  
2.05 dBm  
5.706400000 GHz



Date: 28.MAR.2018 15:25:34

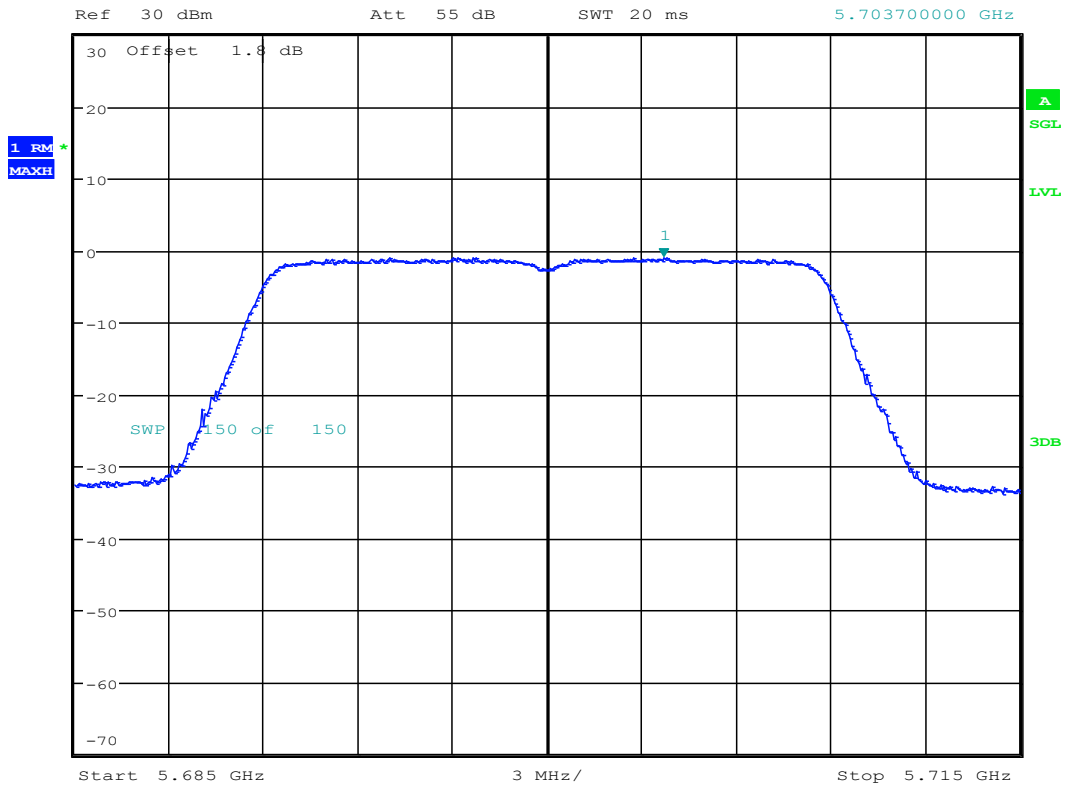


### 11.44 11N20\_140 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

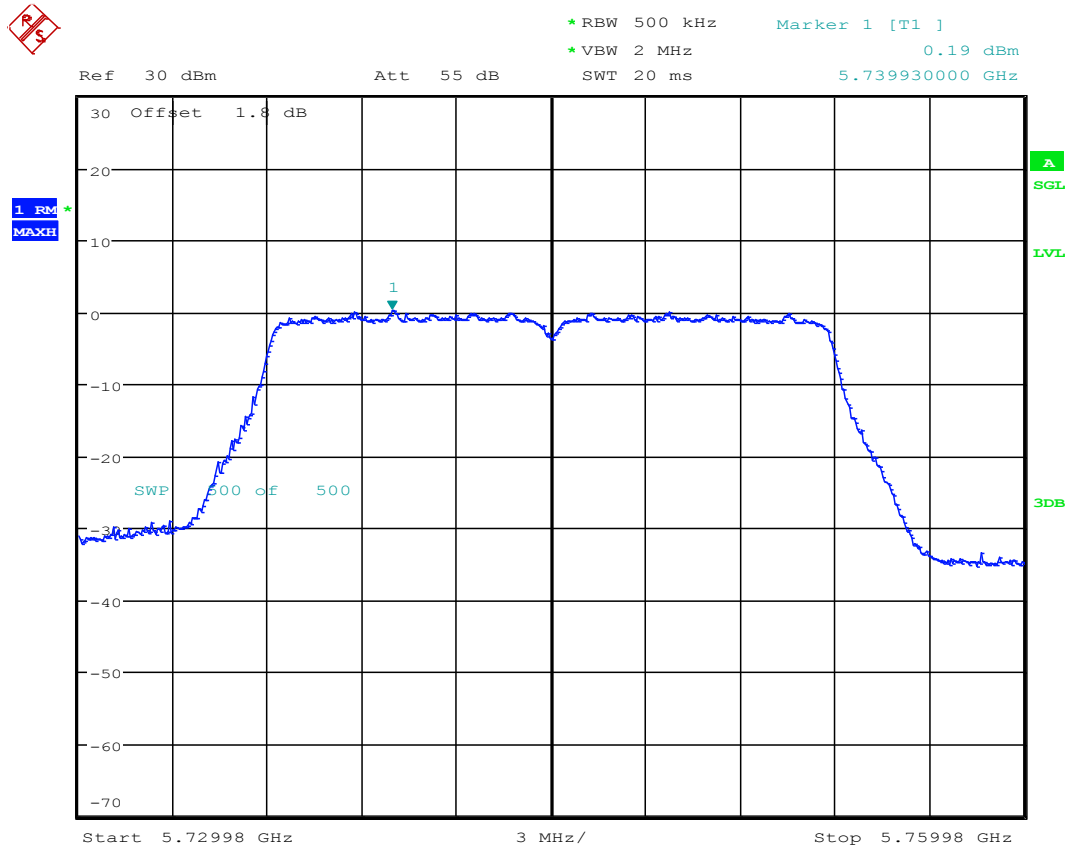
Marker 1 [T1 ]  
-0.92 dBm  
5.703700000 GHz



Date: 29.MAR.2018 12:56:57



### 11.45 11N20\_149 ANT 1



Date: 28.MAR.2018 15:31:18

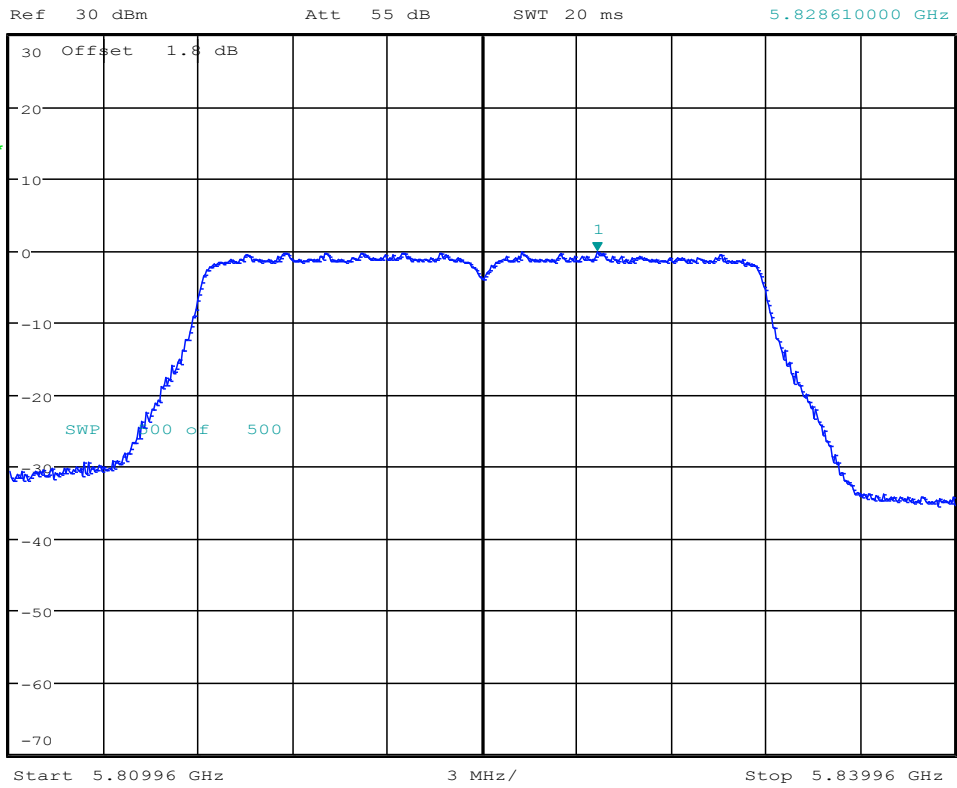




### 11.47 11N20\_165 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -0.16 dBm  
 SWT 20 ms      5.828610000 GHz



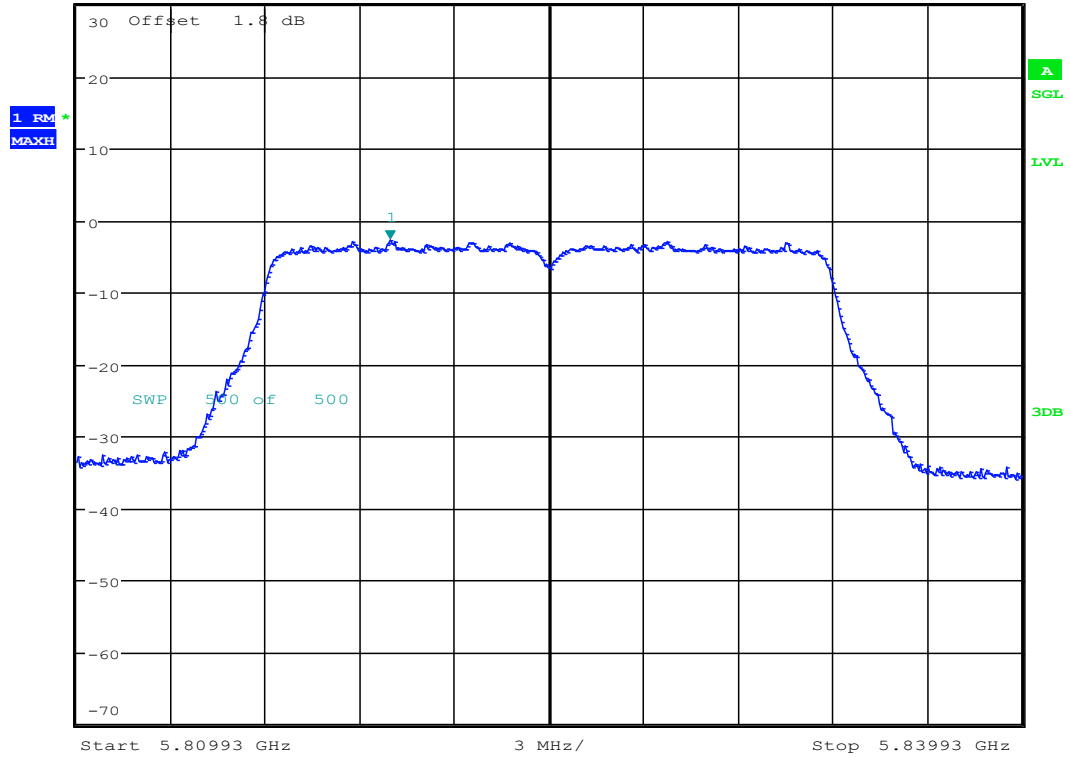
Date: 28.MAR.2018 15:35:49



### 11.48 11N20\_165 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -2.77 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.819880000 GHz



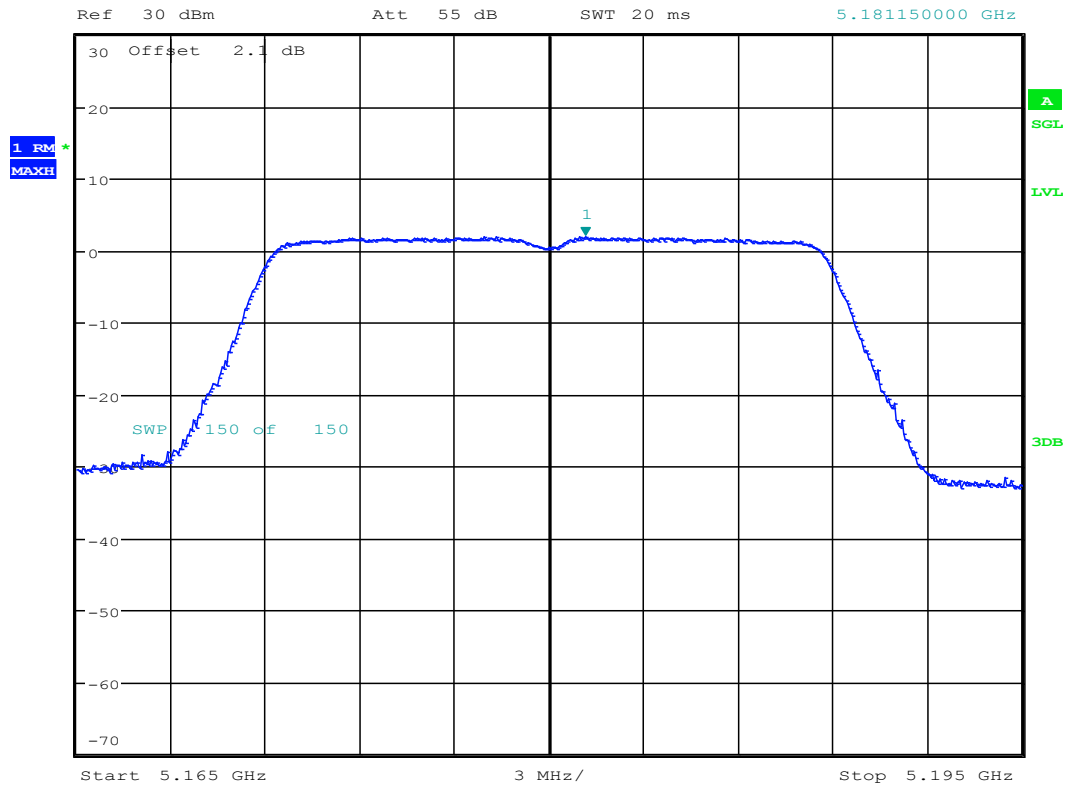
Date: 29.MAR.2018 13:05:08



### 11.49 11N20MIMO\_36 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      1.98 dBm  
SWT 20 ms      5.181150000 GHz



Date: 28.MAR.2018 18:09:32

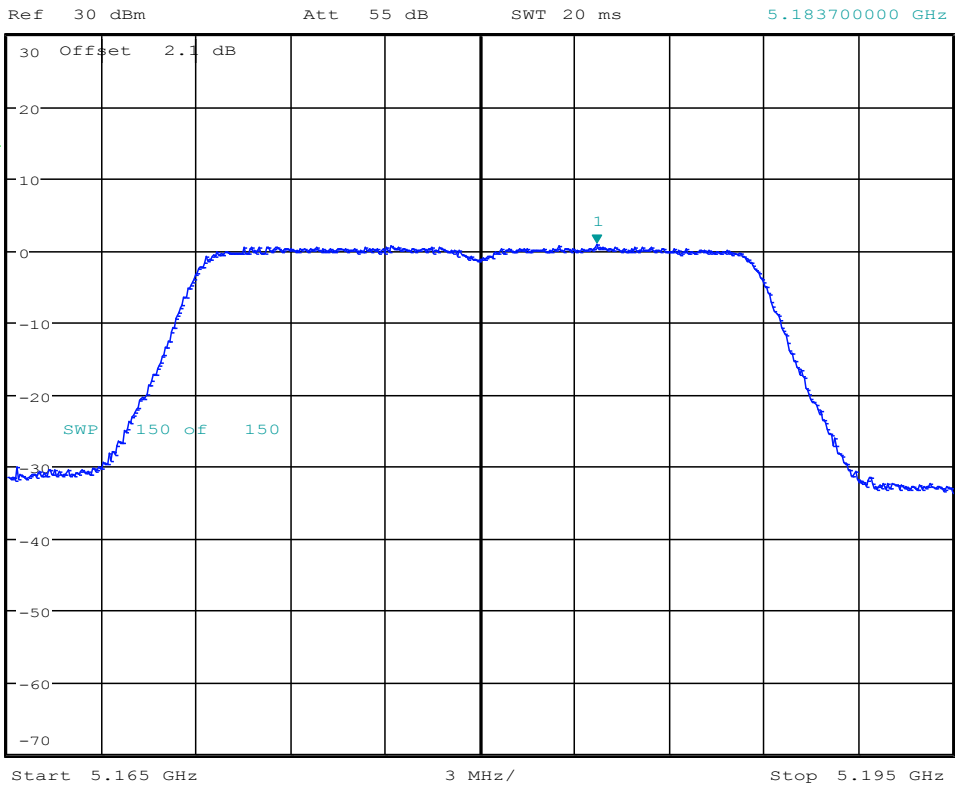




### 11.50 11N20MIMO\_36 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      0.82 dBm  
SWT 20 ms      5.183700000 GHz



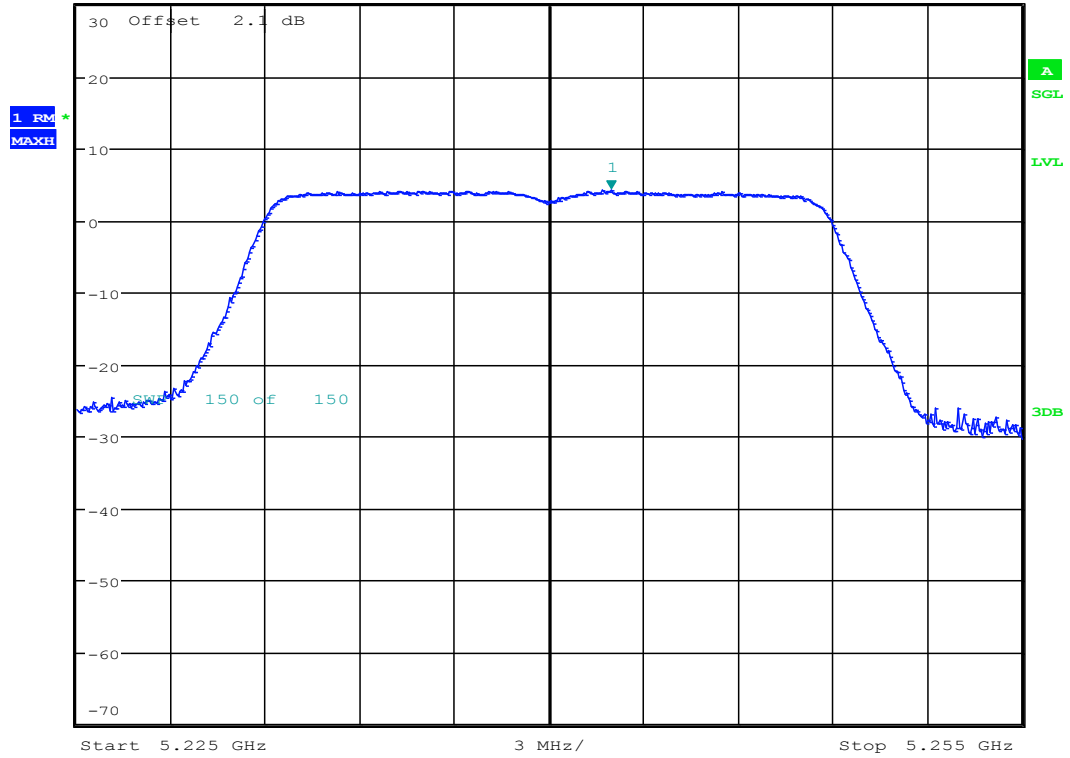
Date: 29.MAR.2018 17:19:36



### 11.51 11N20MIMO\_48 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      4.21 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.241950000 GHz



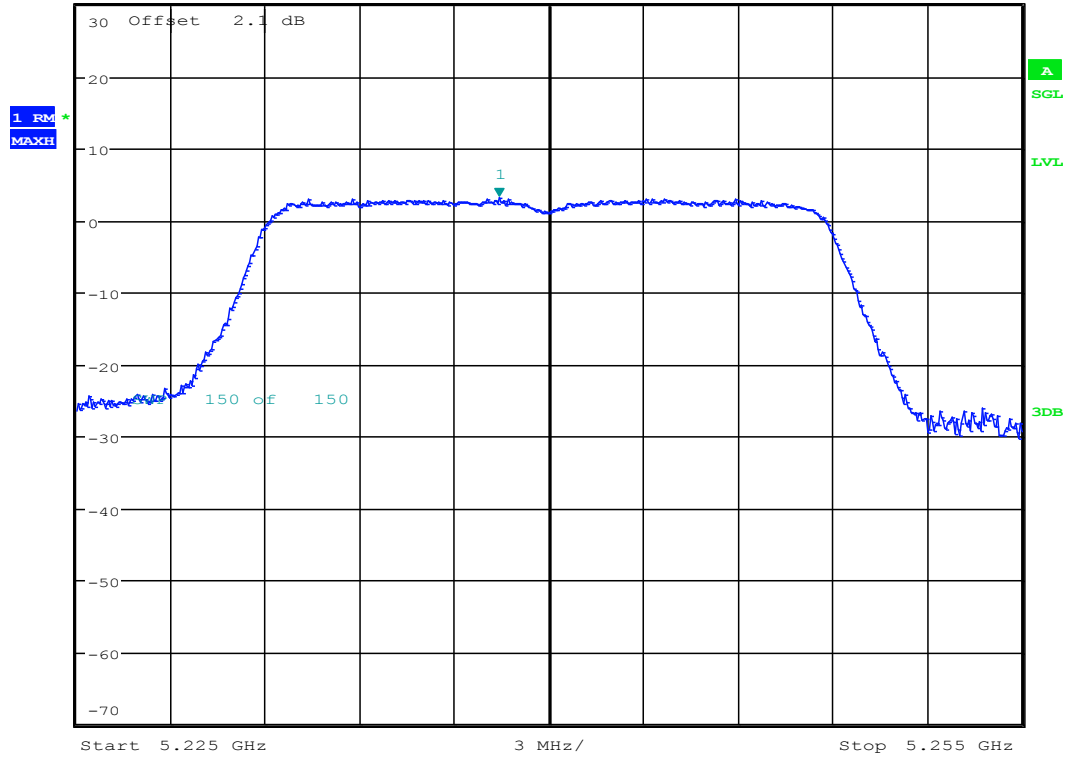
Date: 28.MAR.2018 18:12:04



### 11.52 11N20MIMO\_48 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      3.12 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.238400000 GHz



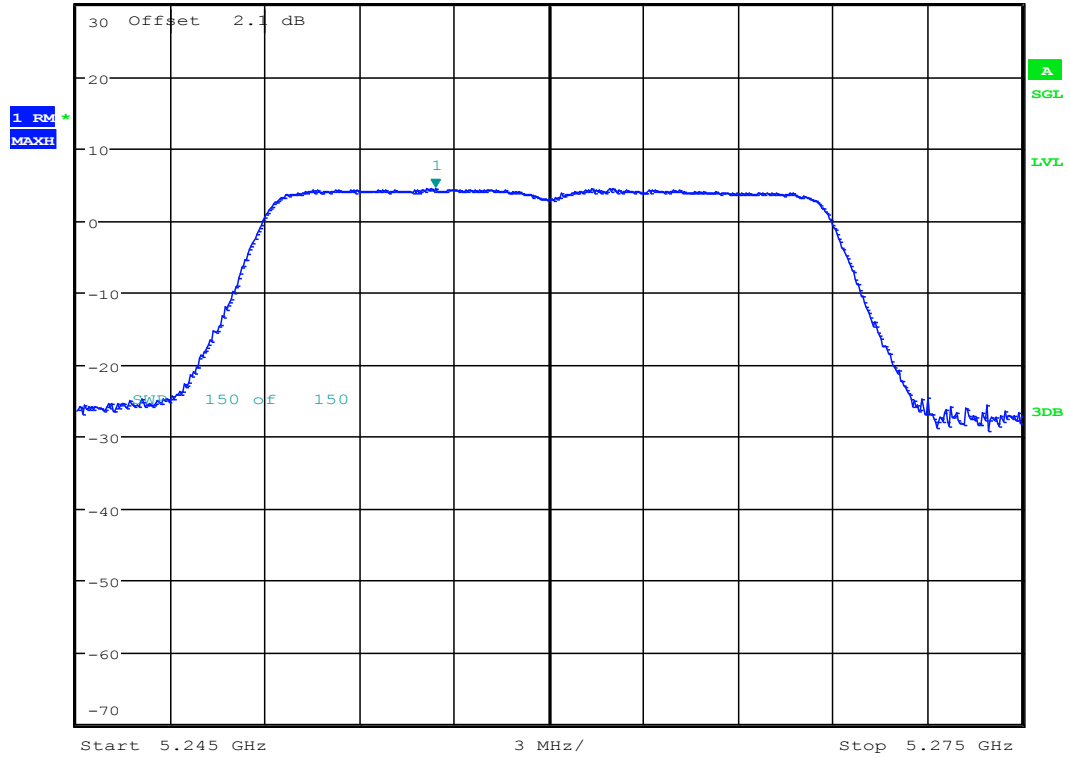
Date: 29.MAR.2018 17:27:17



### 11.53 11N20MIMO\_52 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      4.58 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.256400000 GHz



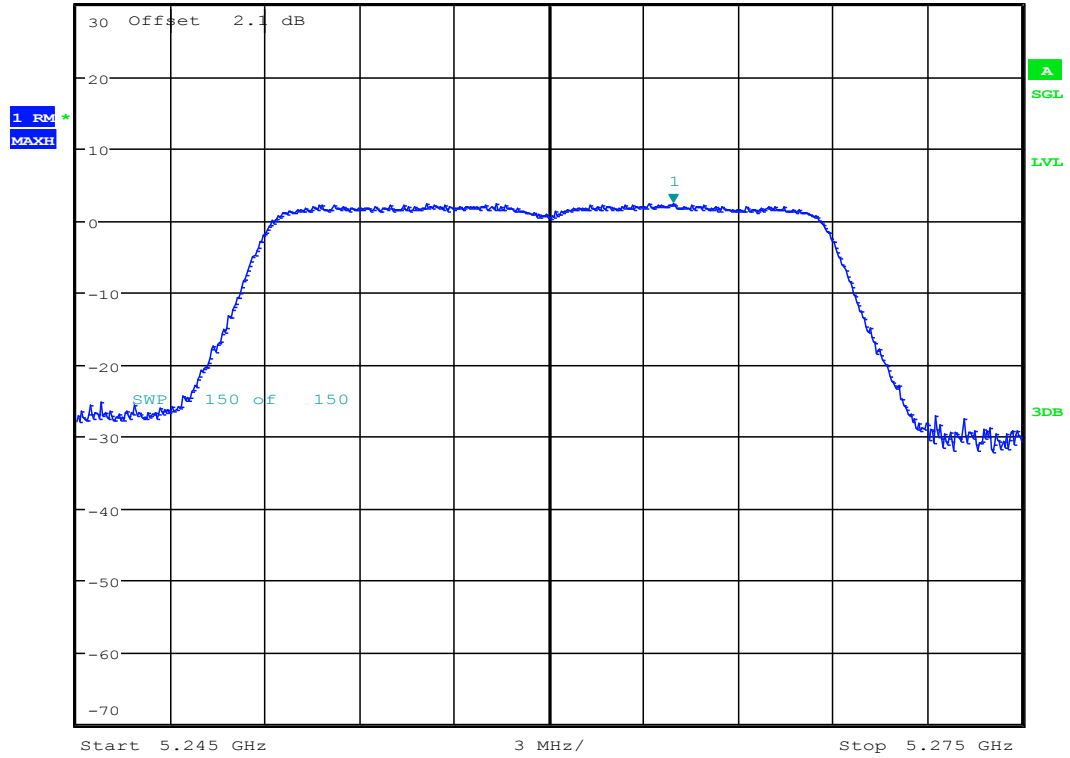
Date: 28.MAR.2018 18:14:52



### 11.54 11N20MIMO\_52 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      2.45 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.263950000 GHz



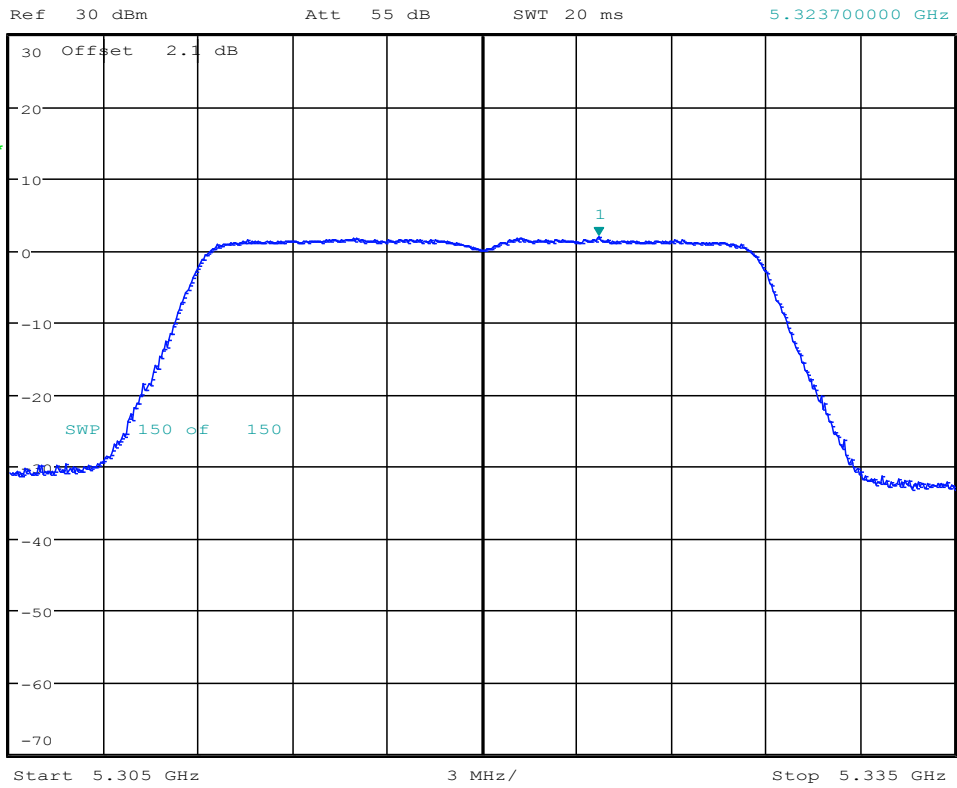
Date: 29.MAR.2018 17:31:51



### 11.55 11N20MIMO\_64 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
1.86 dBm  
5.323700000 GHz



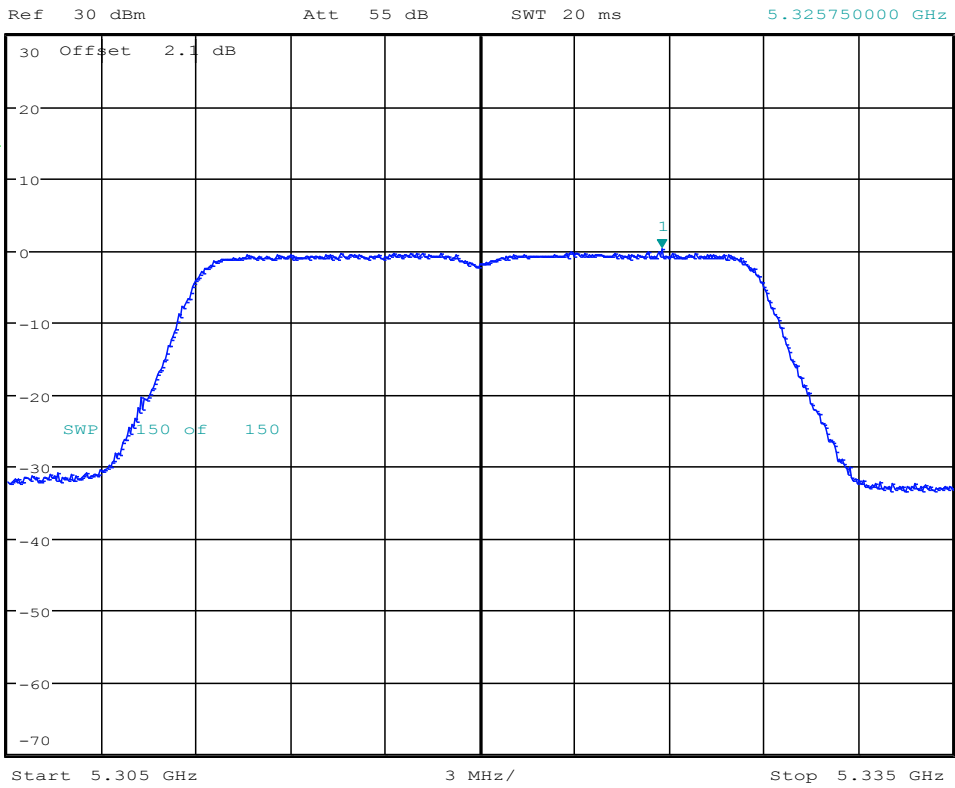
Date: 28.MAR.2018 18:17:18



### 11.56 11N20MIMO\_64 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      0.17 dBm  
SWT 20 ms      5.325750000 GHz



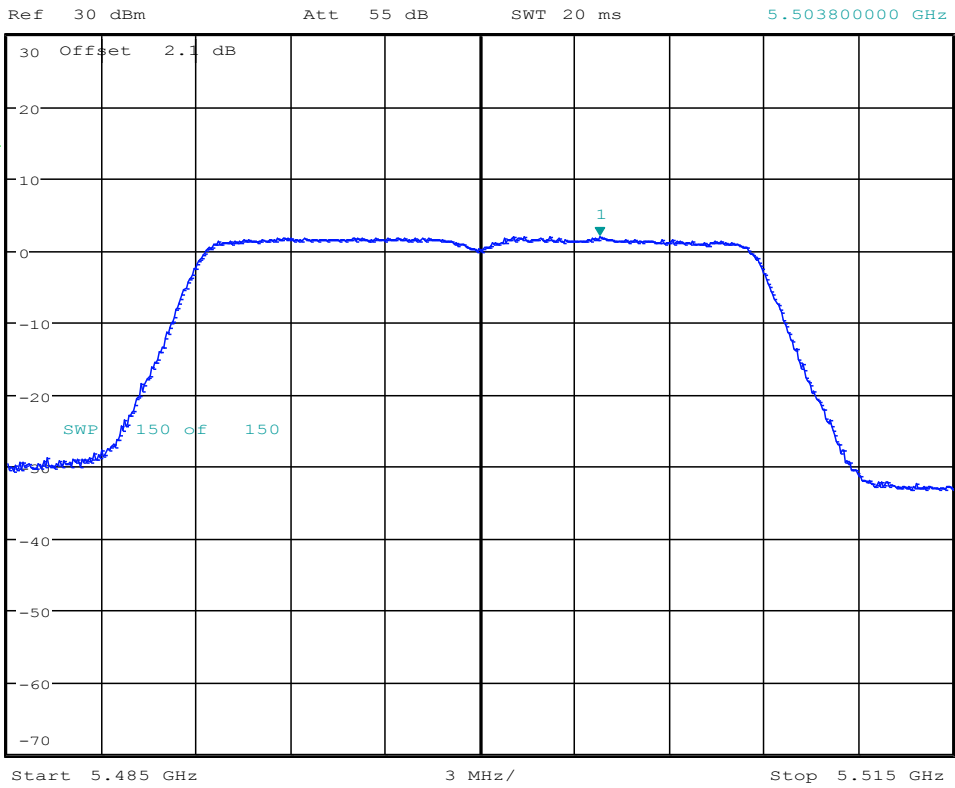
Date: 29.MAR.2018 17:44:42



### 11.57 11N20MIMO\_100 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      1.95 dBm  
SWT 20 ms      5.503800000 GHz



Date: 28.MAR.2018 18:23:46

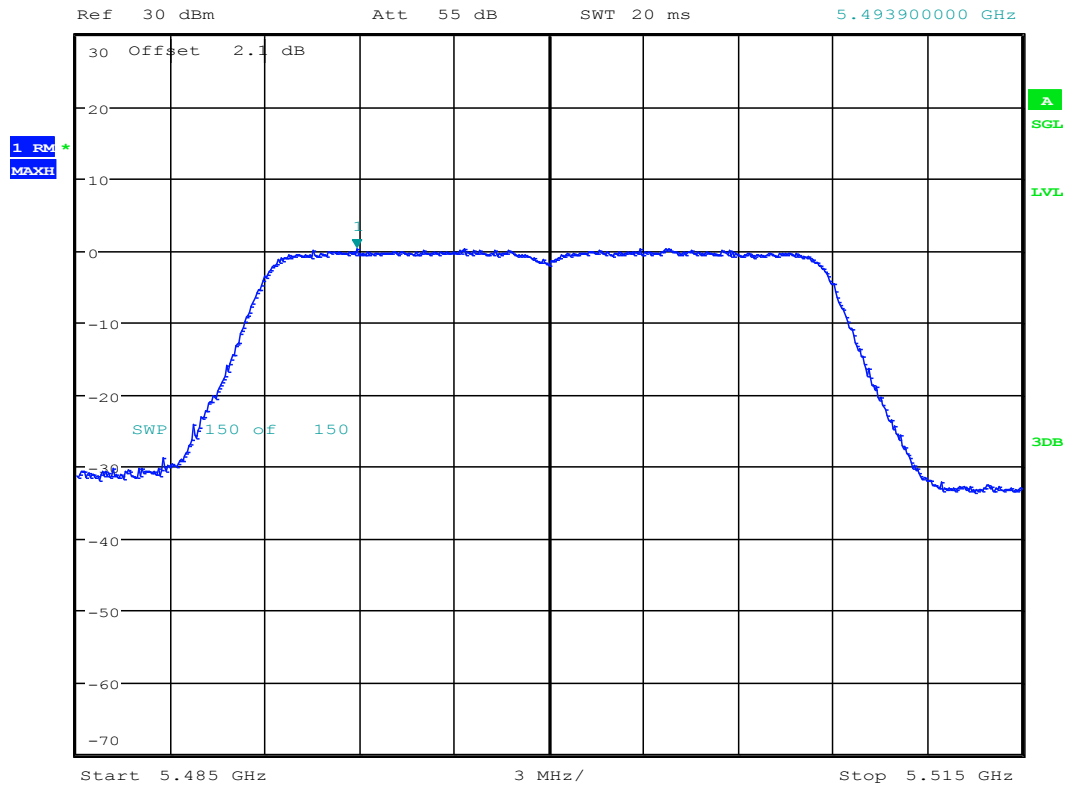




### 11.58 11N20MIMO\_100 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
0.33 dBm  
5.493900000 GHz



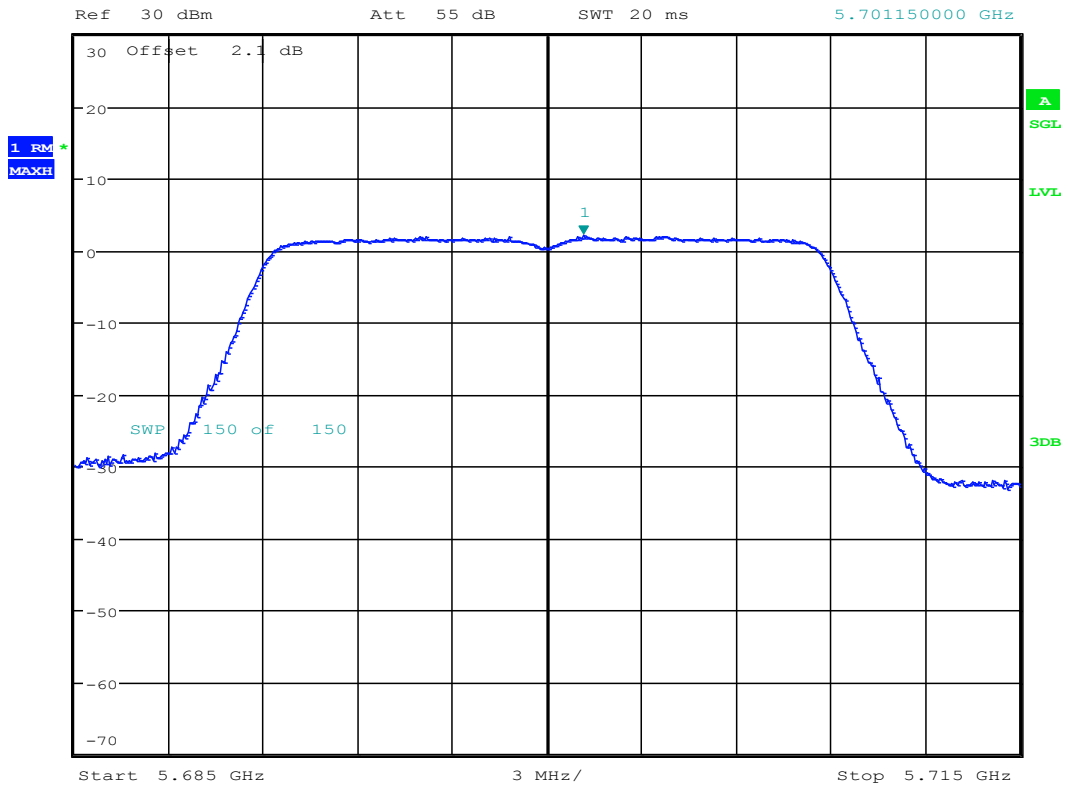
Date: 29.MAR.2018 17:47:30



### 11.59 11N20MIMO\_140 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      2.08 dBm  
SWT 20 ms      5.701150000 GHz



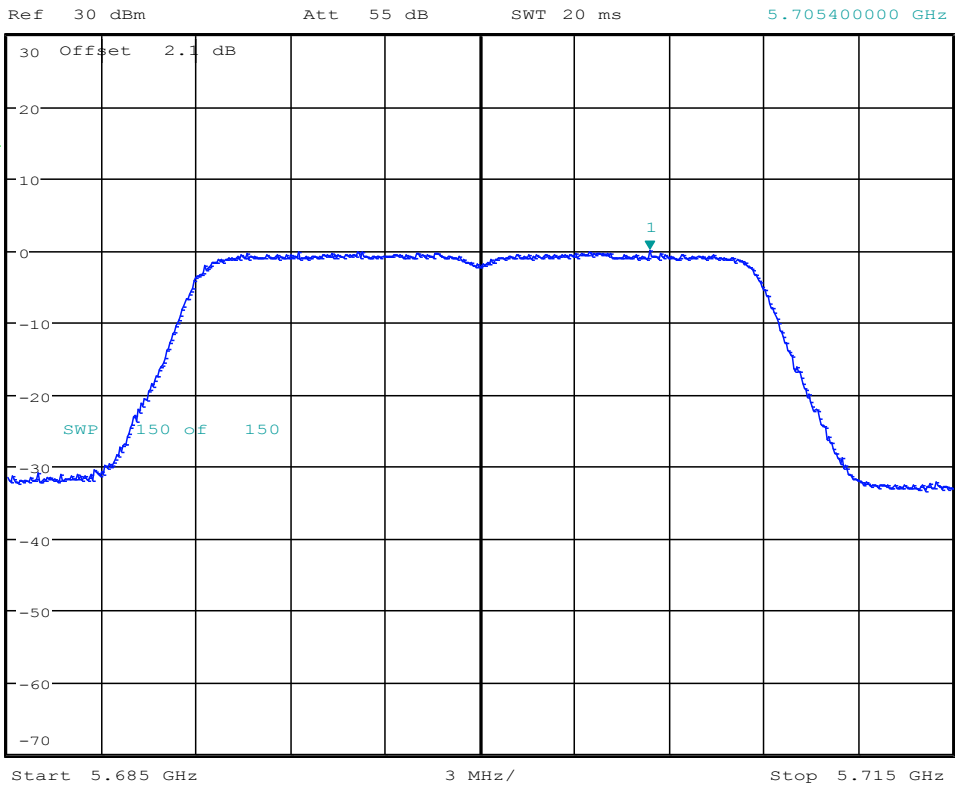
Date: 28.MAR.2018 18:28:52



### 11.60 11N20MIMO\_140 ANT 2



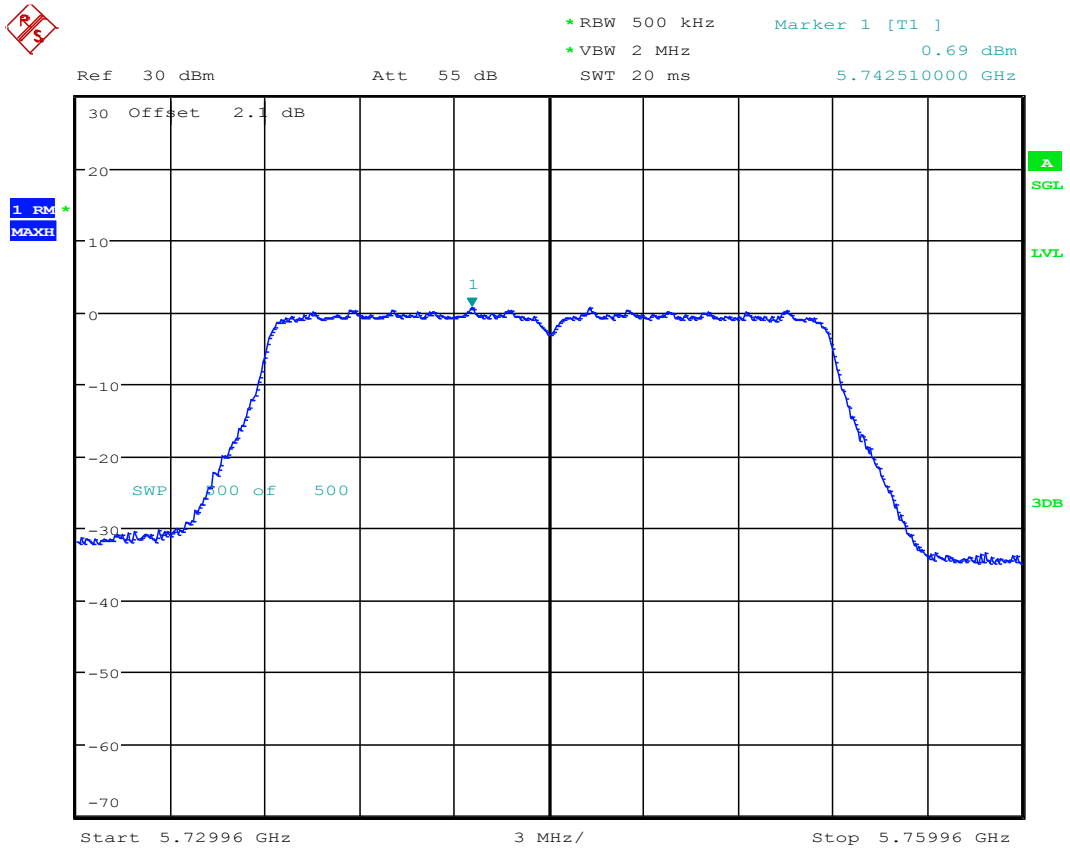
\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      0.02 dBm  
SWT 20 ms      5.705400000 GHz



Date: 29.MAR.2018 17:50:24



### 11.61 11N20MIMO\_149 ANT 1



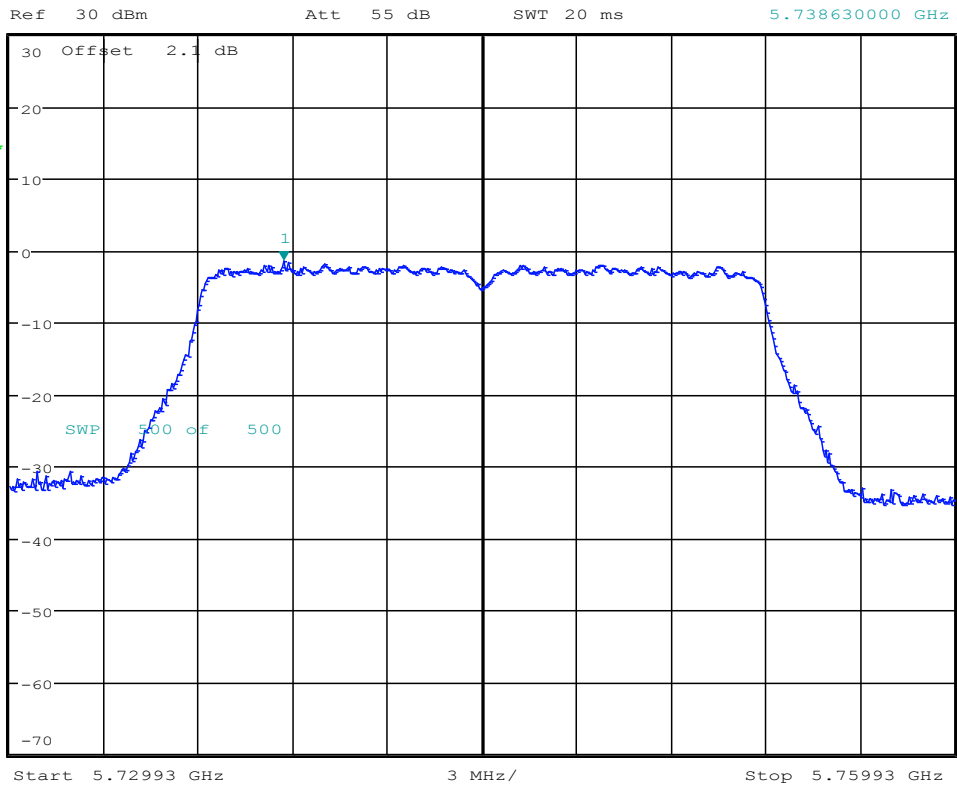
Date: 28.MAR.2018 18:34:50



### 11.62 11N20MIMO\_149 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -1.47 dBm  
 SWT 20 ms      5.738630000 GHz



Date: 29.MAR.2018 17:56:21

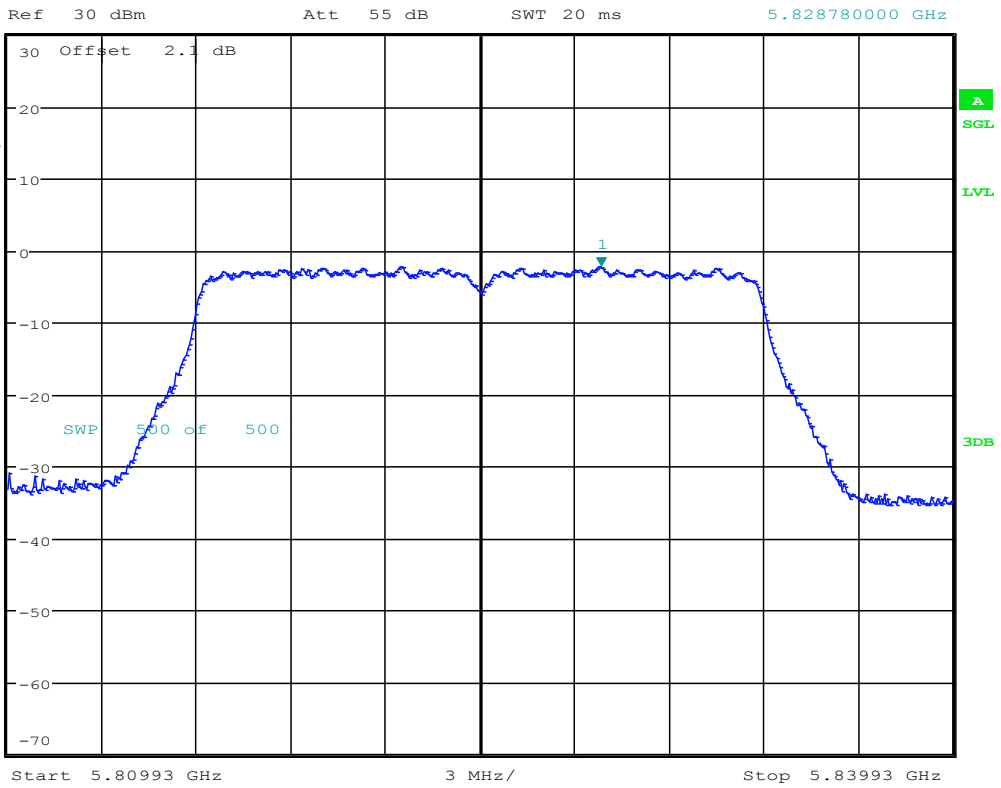




### 11.64 11N20MIMO\_165 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -2.26 dBm  
 SWT 20 ms      5.828780000 GHz



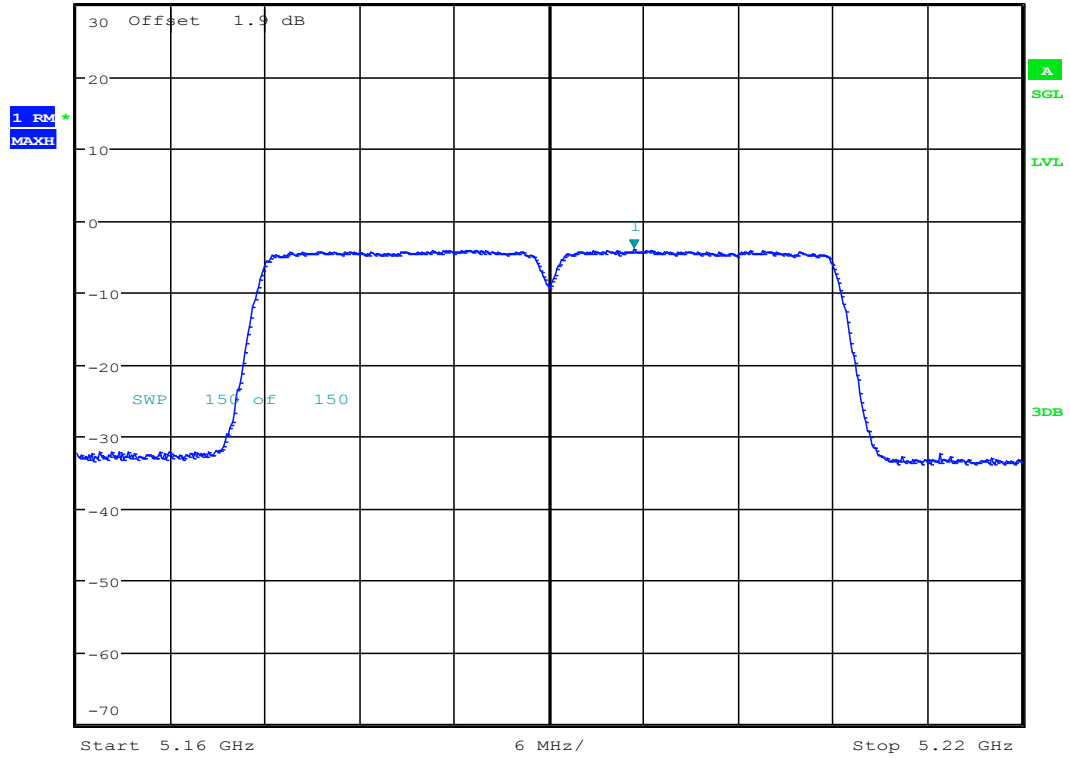
Date: 29.MAR.2018 17:59:38



### 11.65 11N40\_38 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -3.96 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.195400000 GHz



Date: 28.MAR.2018 15:41:55

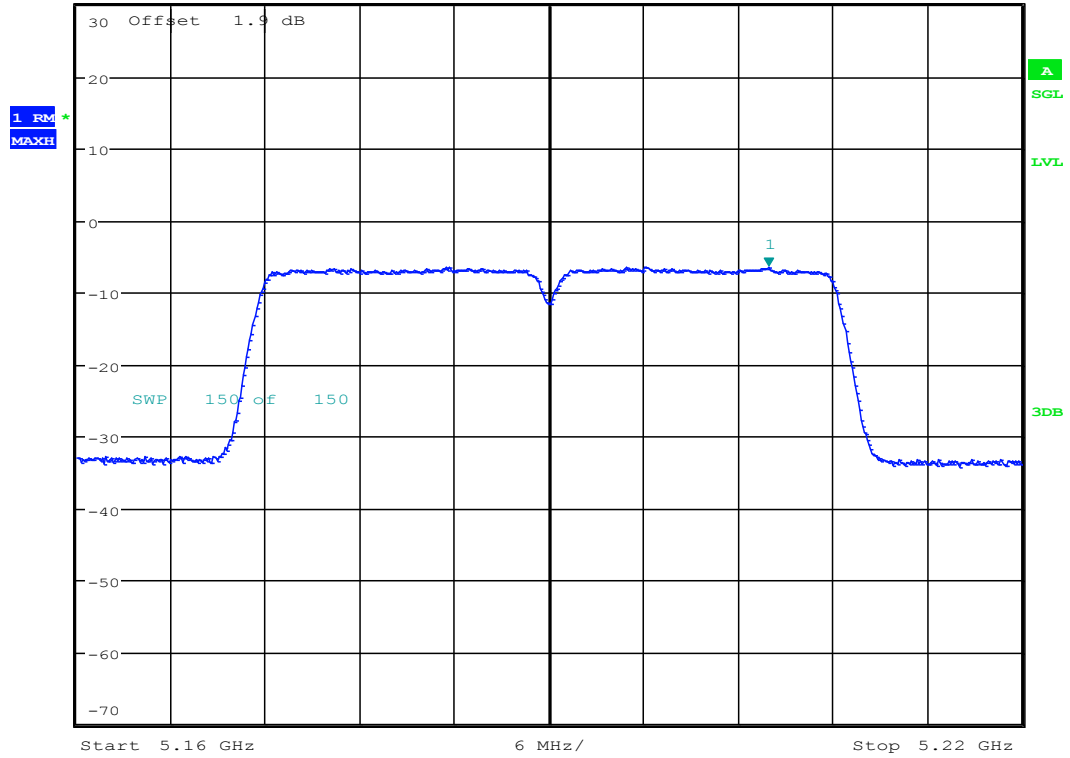




### 11.66 11N40\_38 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -6.49 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.203900000 GHz



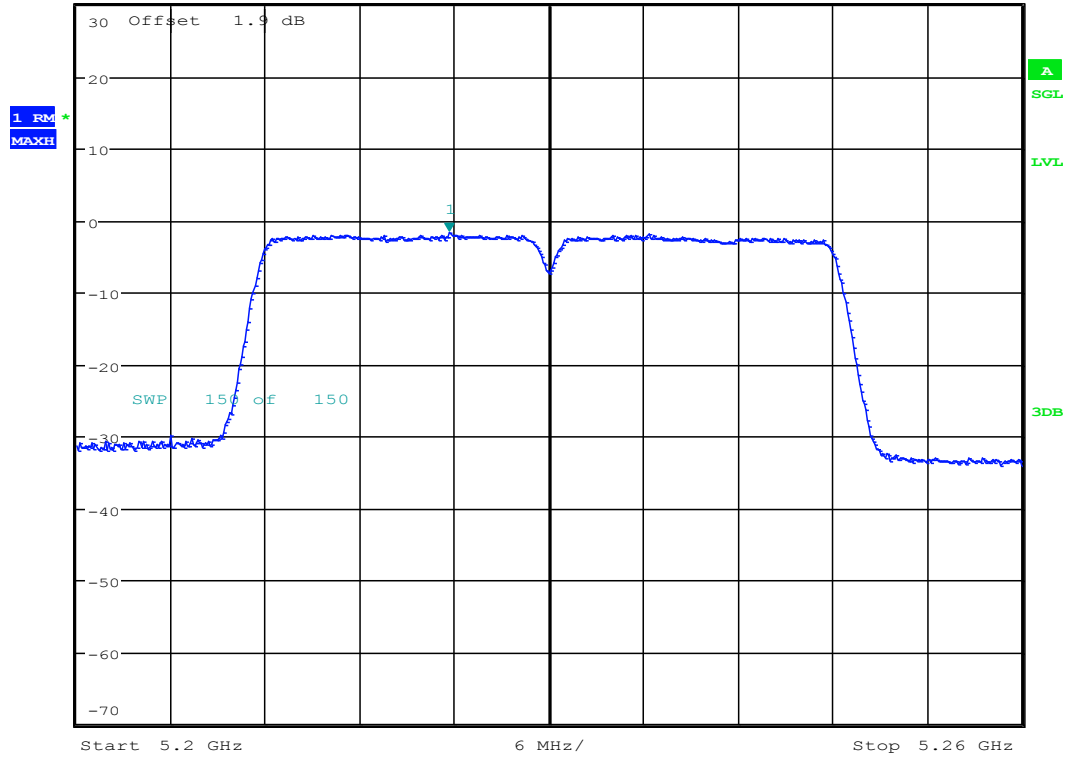
Date: 29.MAR.2018 13:08:10



### 11.67 11N40\_46 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -1.67 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.223700000 GHz



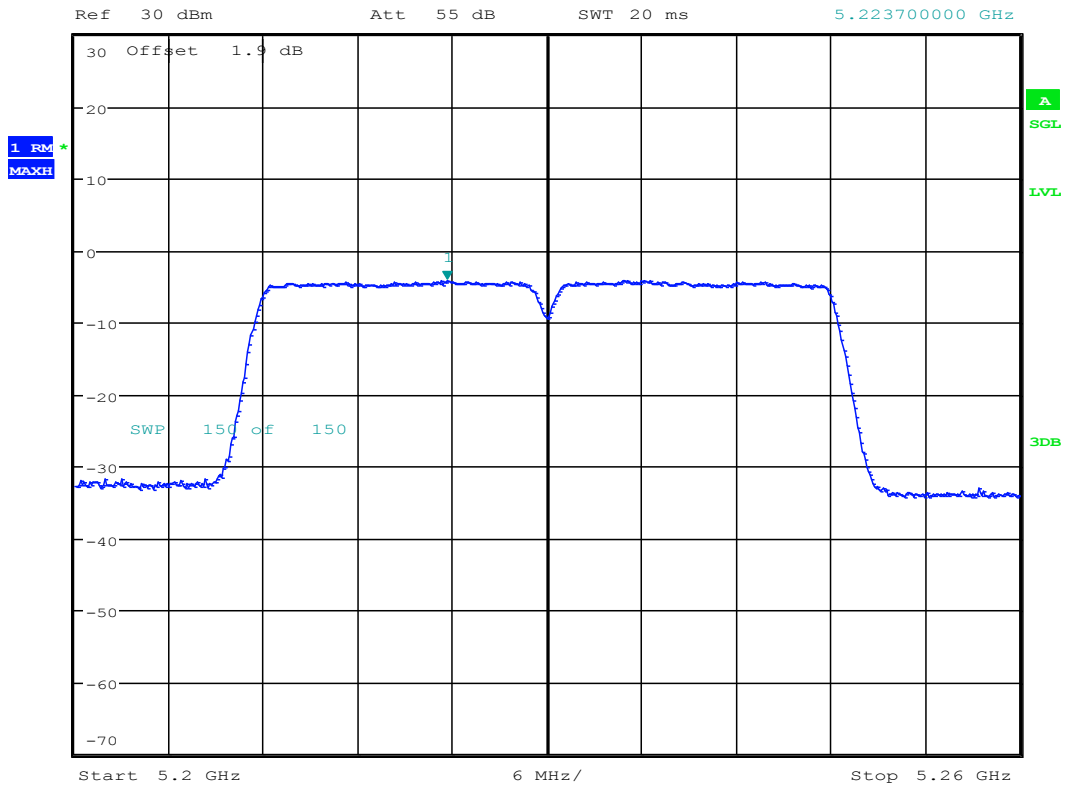
Date: 28.MAR.2018 15:45:10



### 11.68 11N40\_46 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -4.10 dBm  
SWT 20 ms      5.223700000 GHz



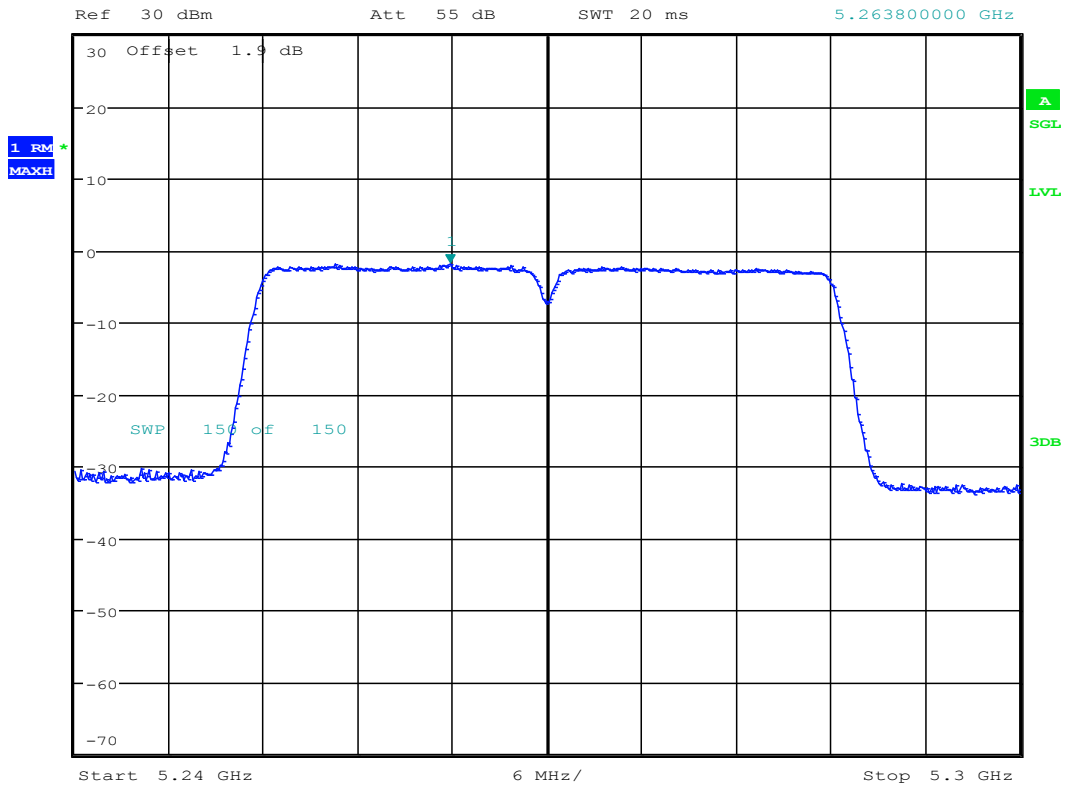
Date: 29.MAR.2018 14:39:25



### 11.69 11N40\_54 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -1.87 dBm  
SWT 20 ms      5.263800000 GHz



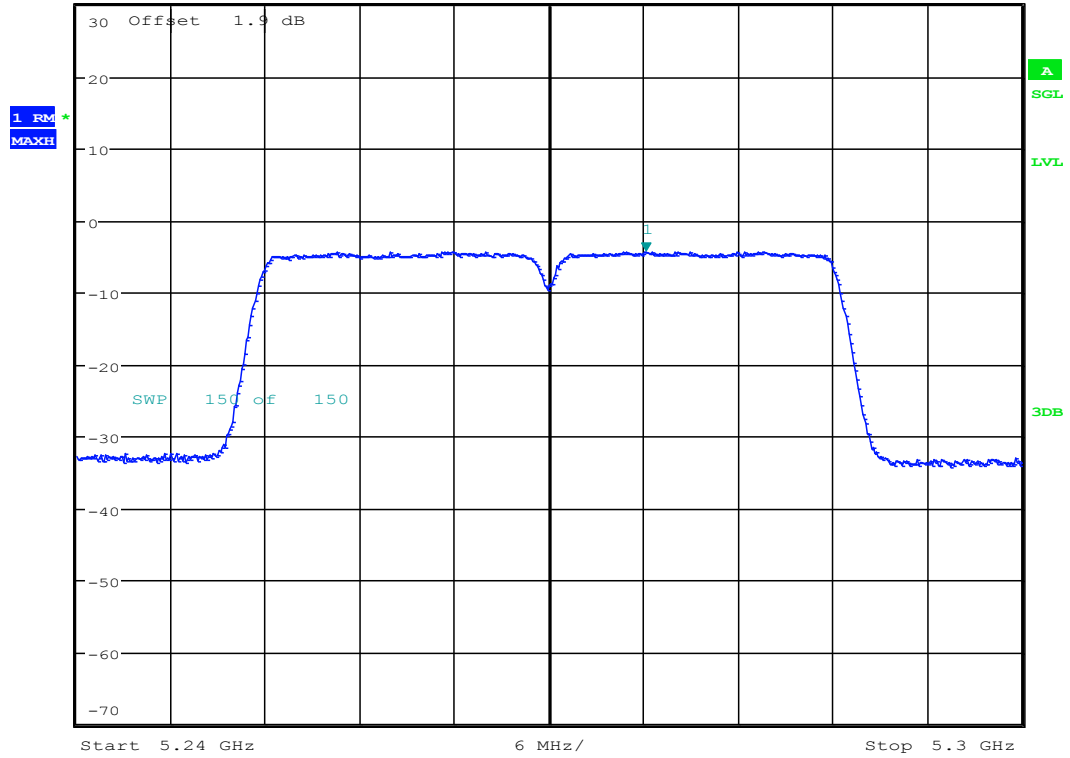
Date: 28.MAR.2018 15:48:14



### 11.70 11N40\_54 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -4.27 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.276200000 GHz



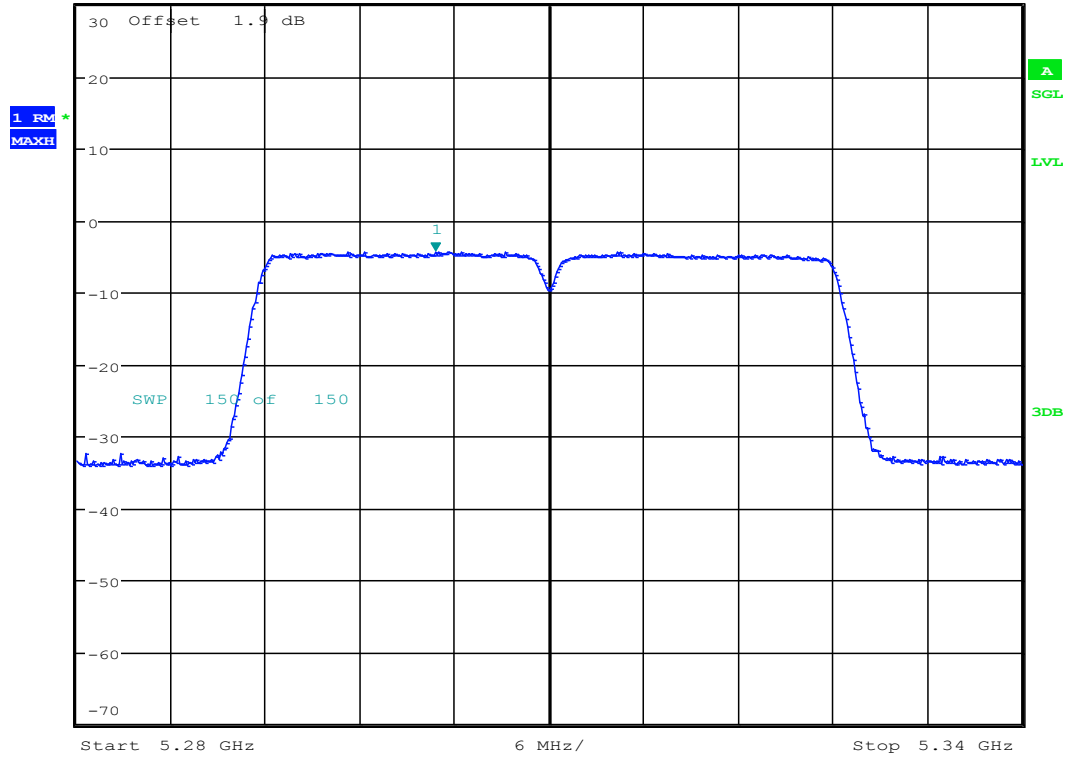
Date: 29.MAR.2018 14:42:55



### 11.71 11N40\_62 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -4.29 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.302800000 GHz



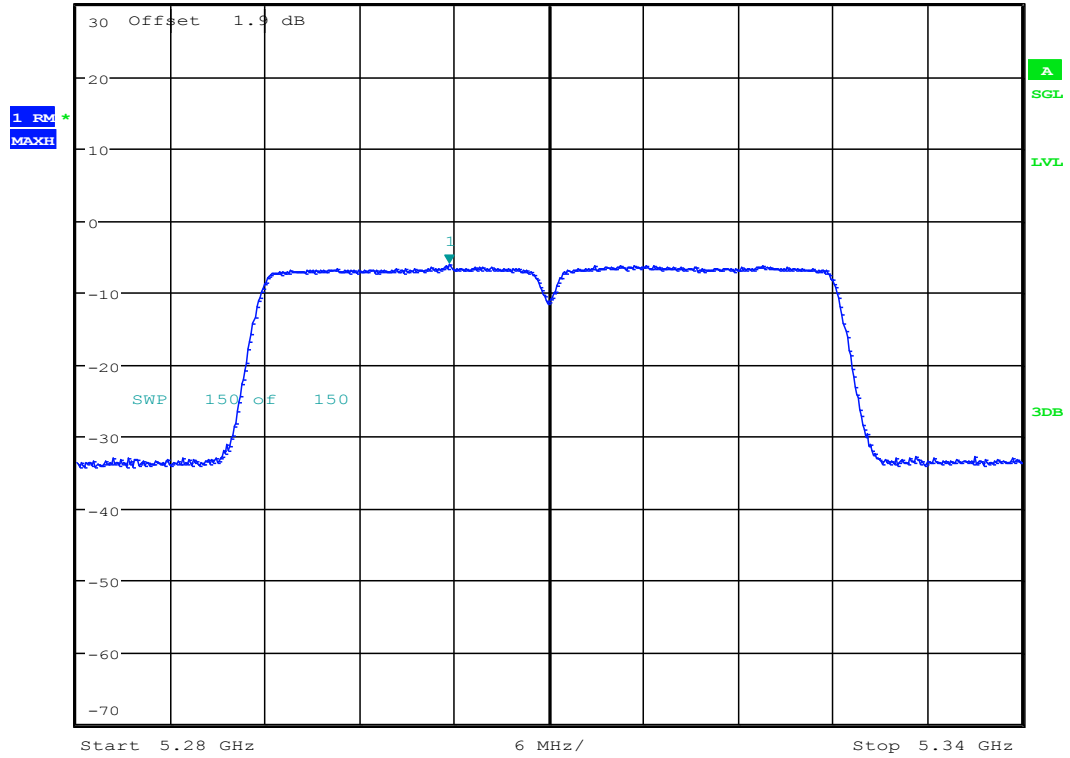
Date: 28.MAR.2018 15:50:53



### 11.72 11N40\_62 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -6.04 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.303700000 GHz



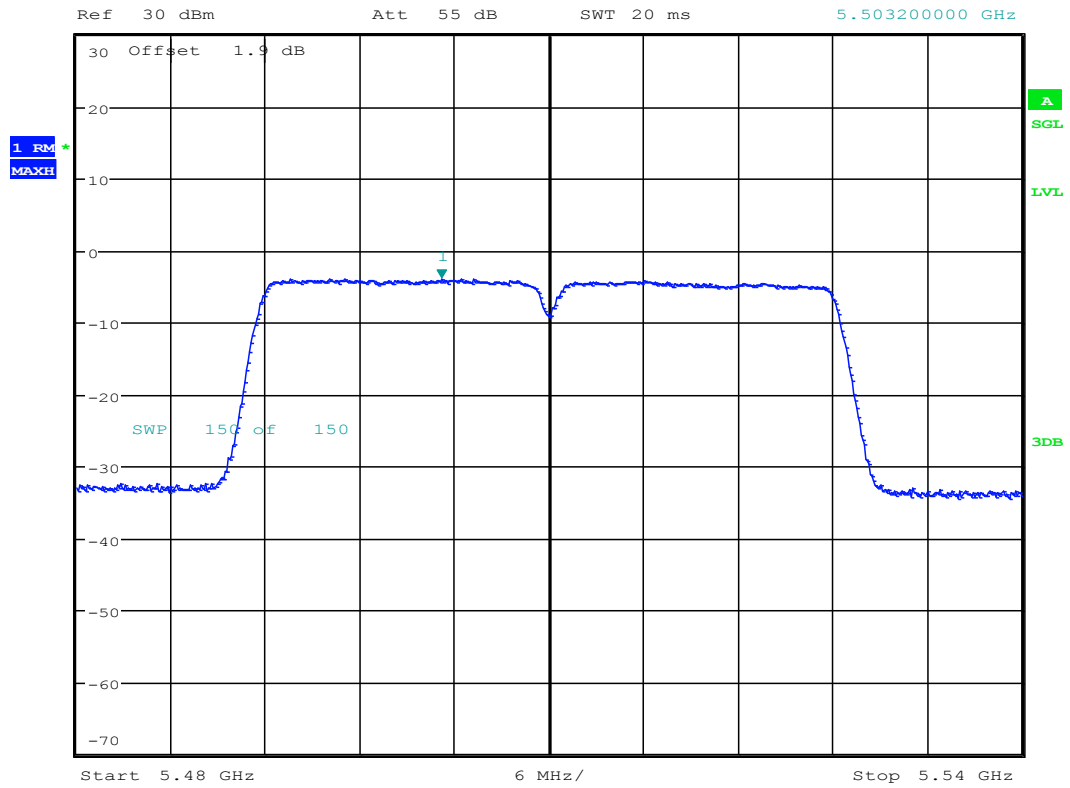
Date: 29.MAR.2018 14:45:22



### 11.73 11N40\_102 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
-3.96 dBm  
5.503200000 GHz



Date: 28.MAR.2018 15:55:30



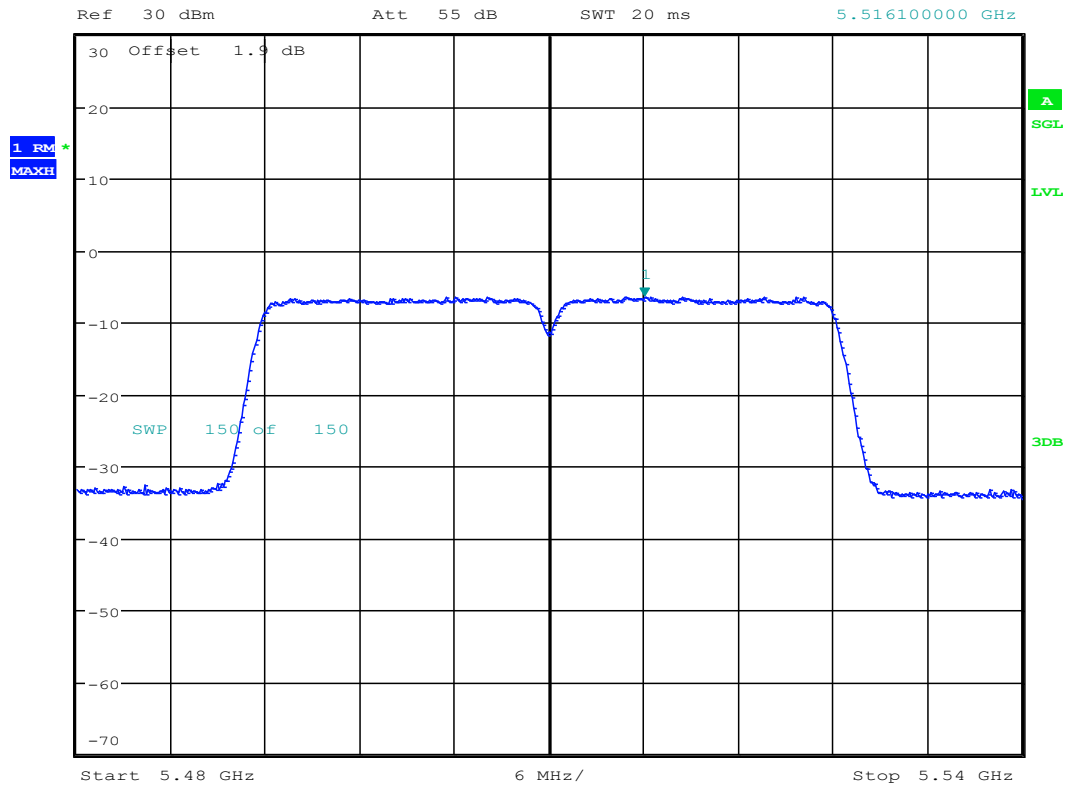


### 11.74 11N40\_102 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

Marker 1 [T1 ]  
-6.39 dBm  
5.516100000 GHz



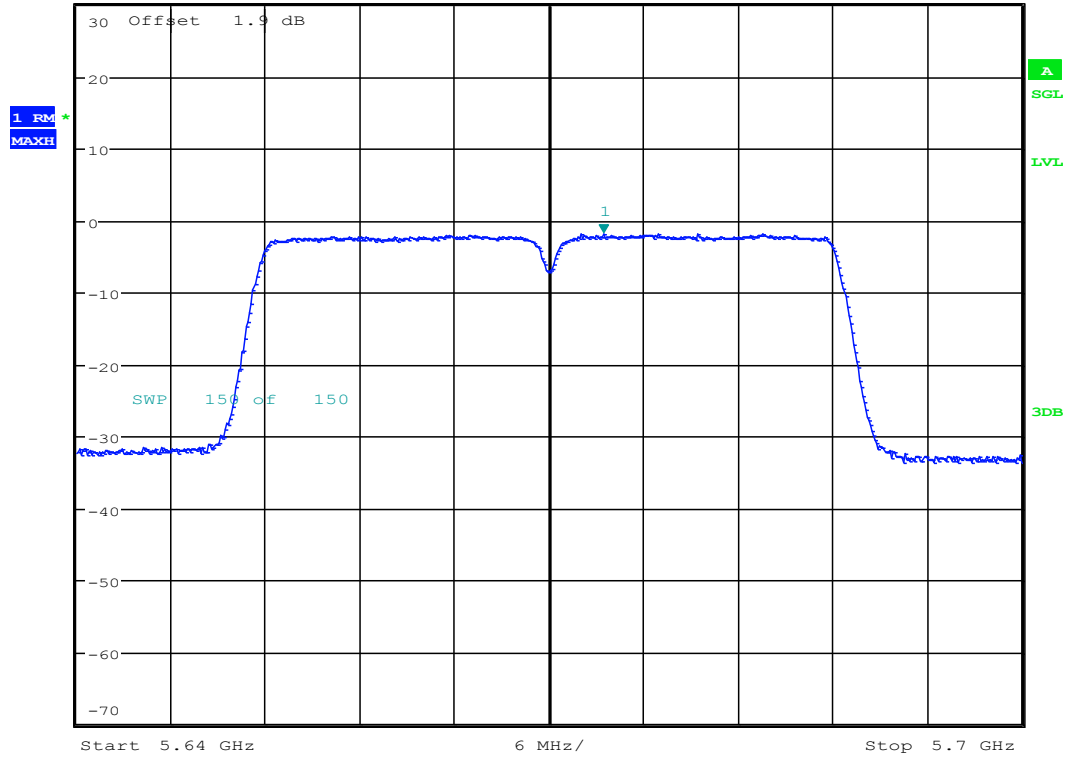
Date: 29.MAR.2018 14:47:53



### 11.75 11N40\_134 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -1.73 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.673500000 GHz



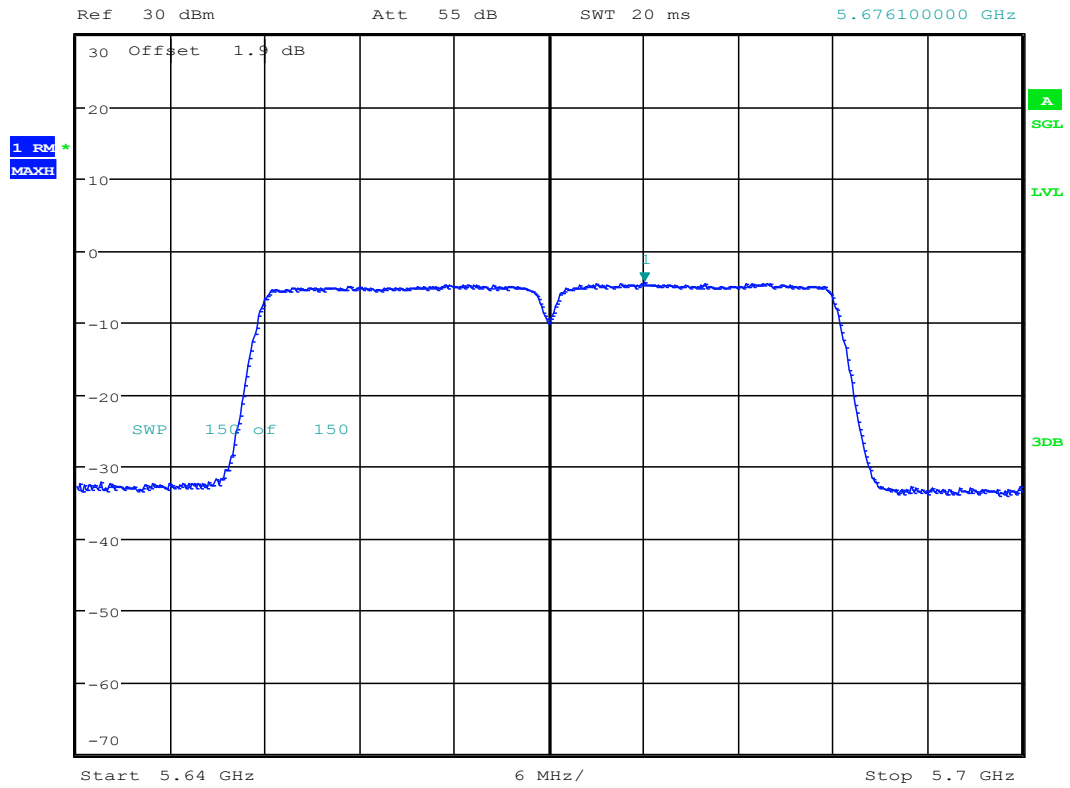
Date: 28.MAR.2018 15:57:55



### 11.76 11N40\_134 ANT 2



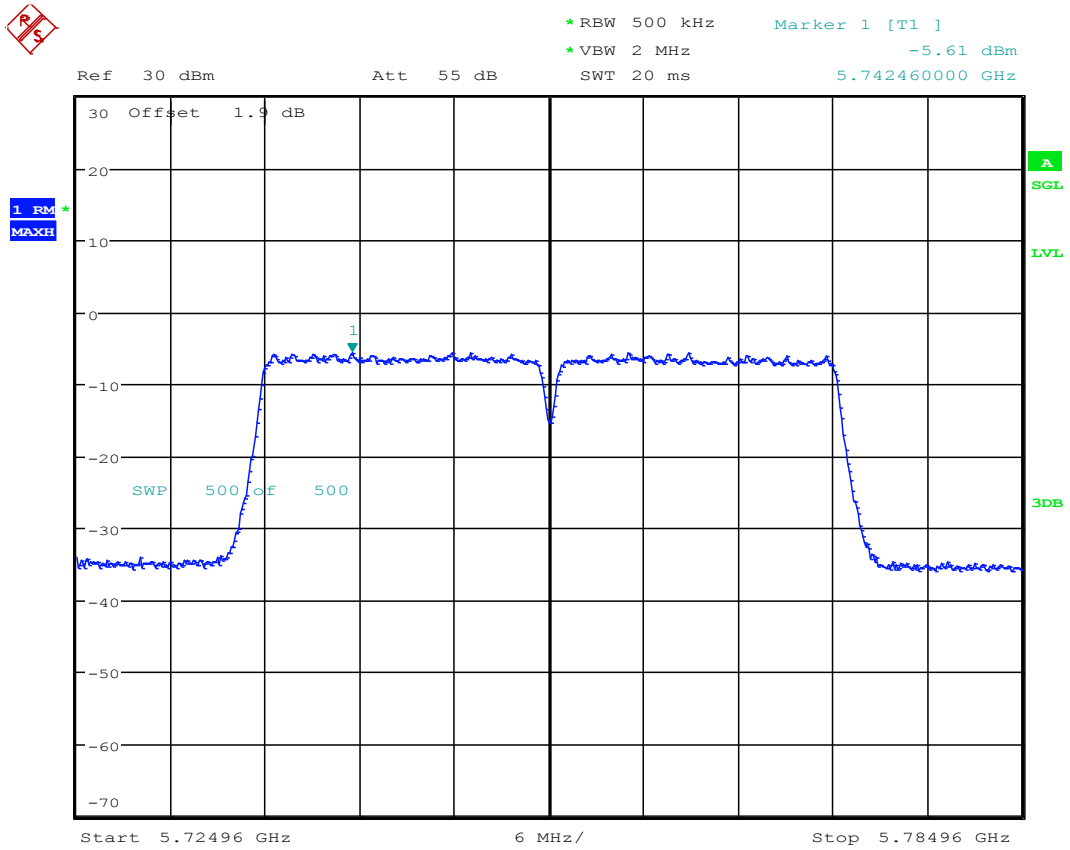
\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -4.44 dBm  
SWT 20 ms      5.676100000 GHz



Date: 29.MAR.2018 14:50:20



### 11.77 11N40\_151 ANT 1



Date: 28.MAR.2018 16:03:48



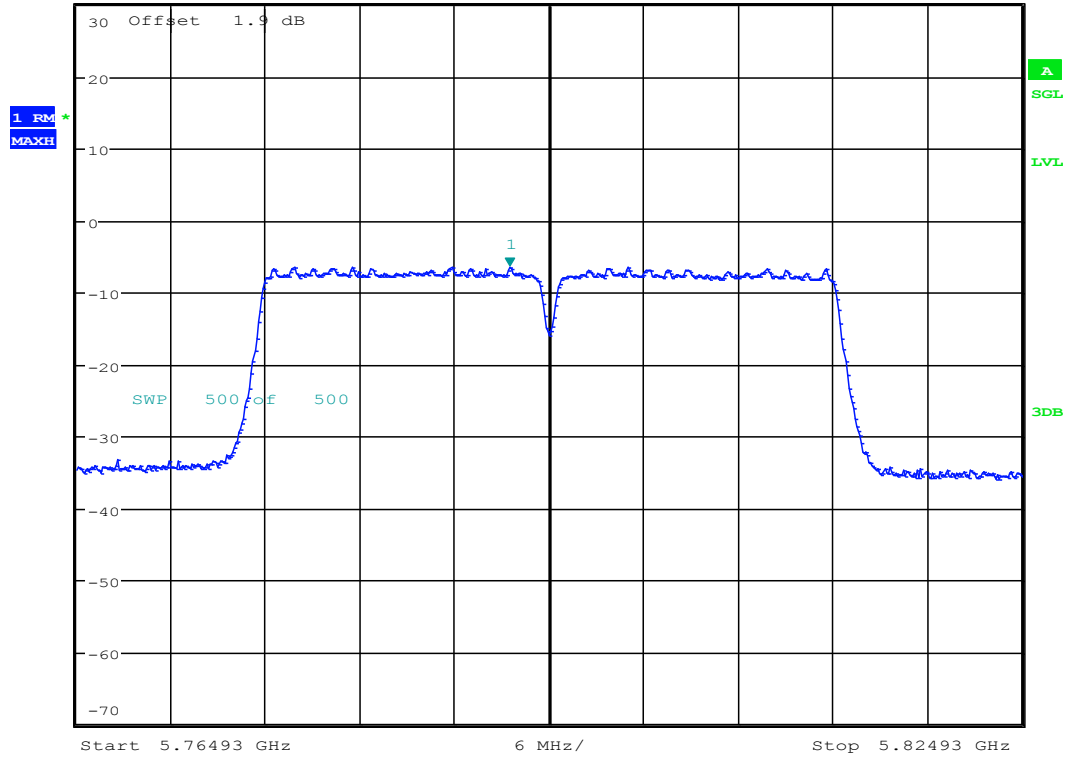




### 11.80 11N40\_159 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -6.44 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.792430000 GHz



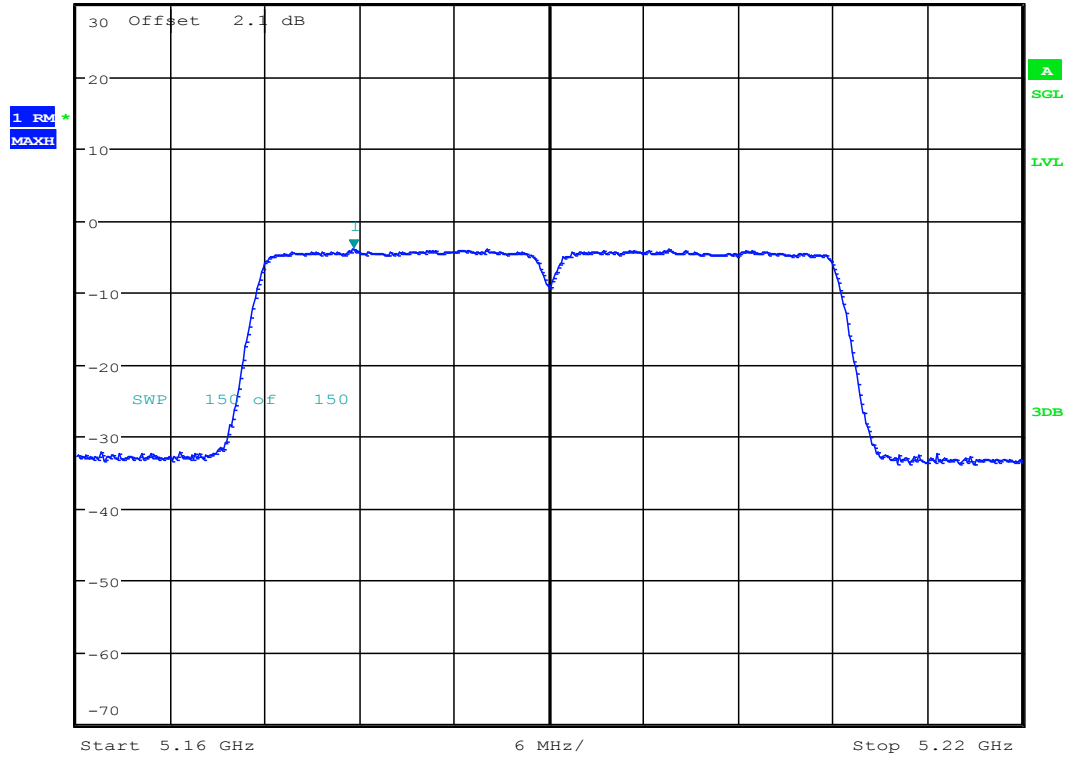
Date: 29.MAR.2018 15:01:37



### 11.81 11N40MIMO\_38 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -3.87 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.177600000 GHz



Date: 28.MAR.2018 18:42:24



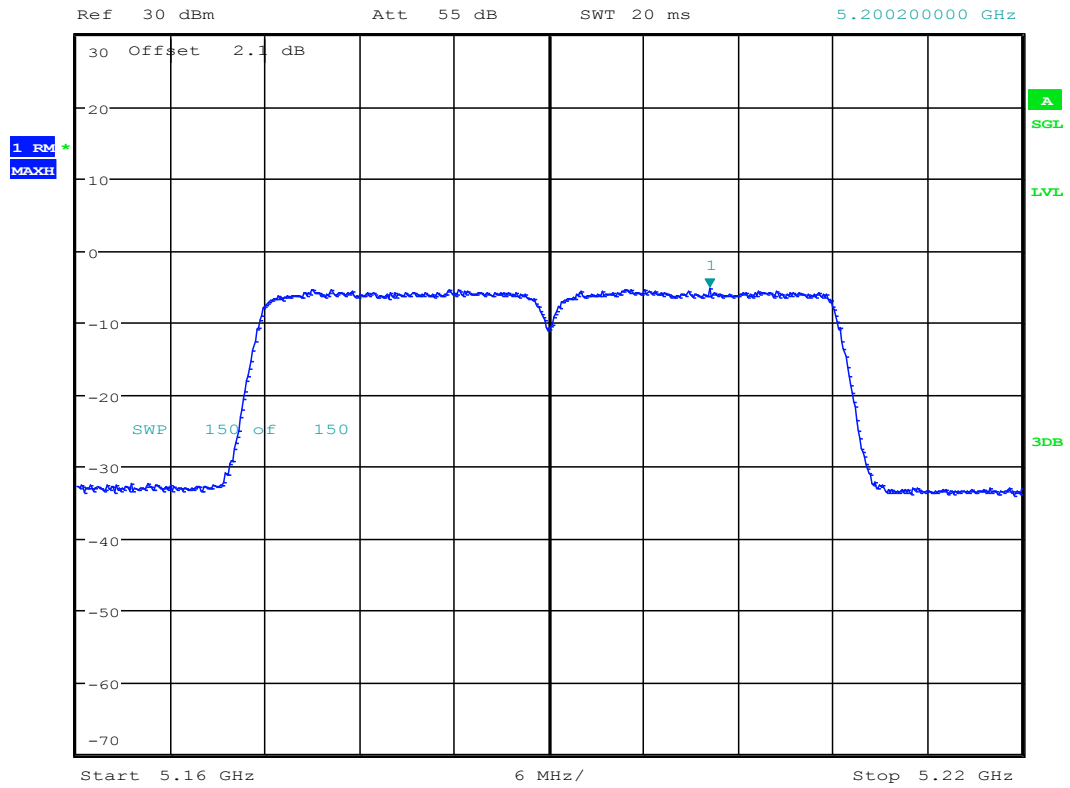


### 11.82 11N40MIMO\_38 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

Marker 1 [T1 ]  
-5.15 dBm  
5.200200000 GHz



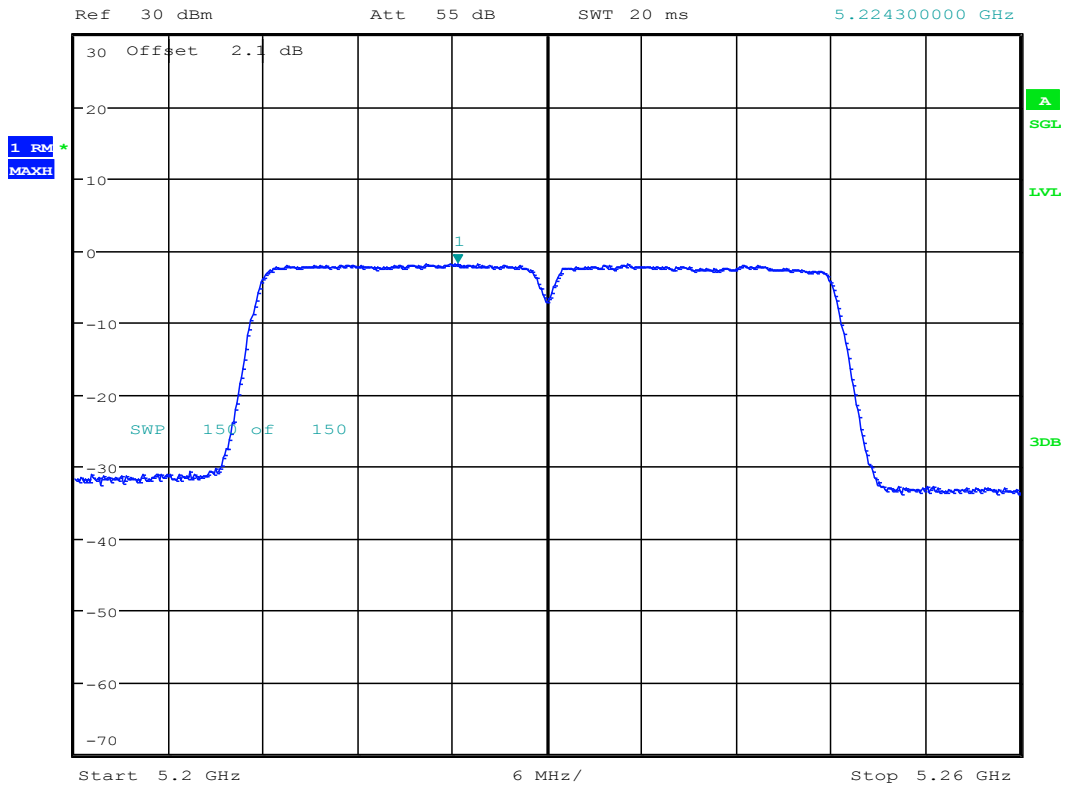
Date: 29.MAR.2018 18:05:08



### 11.83 11N40MIMO\_46 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
-1.85 dBm  
5.224300000 GHz



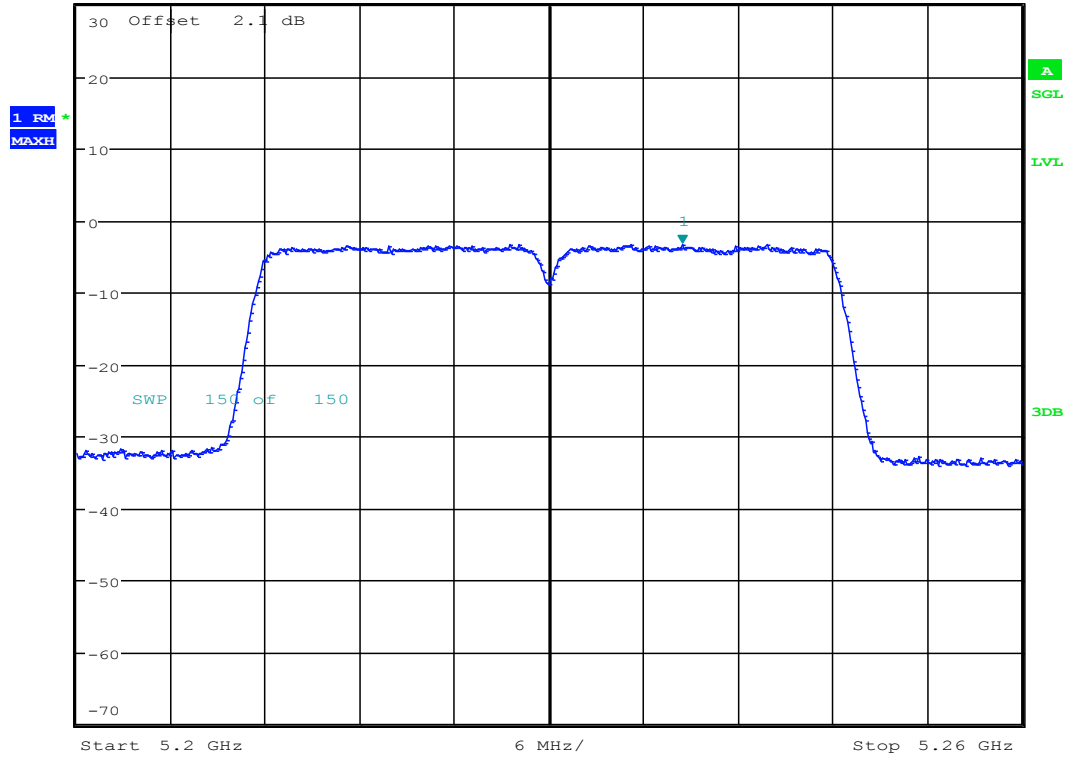
Date: 28.MAR.2018 18:45:04



### 11.84 11N40MIMO\_46 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -3.22 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.238500000 GHz



Date: 29.MAR.2018 18:09:38

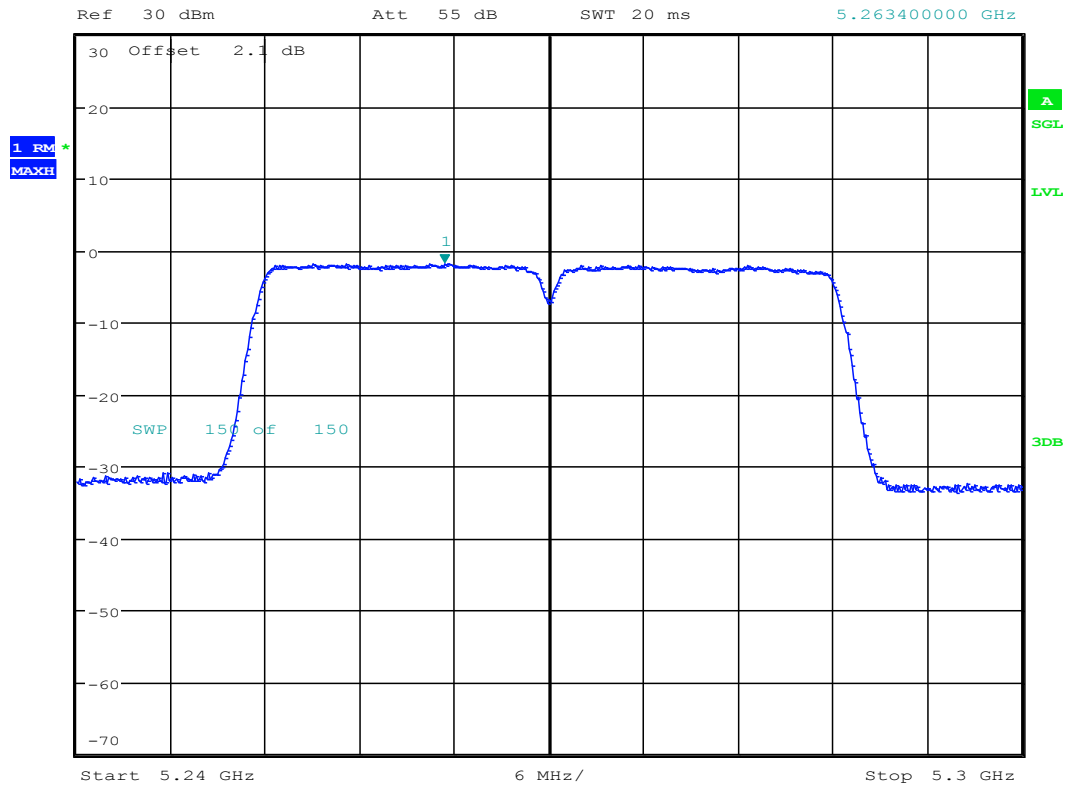


### 11.85 11N40MIMO\_54 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

Marker 1 [T1 ]  
-1.79 dBm  
5.263400000 GHz



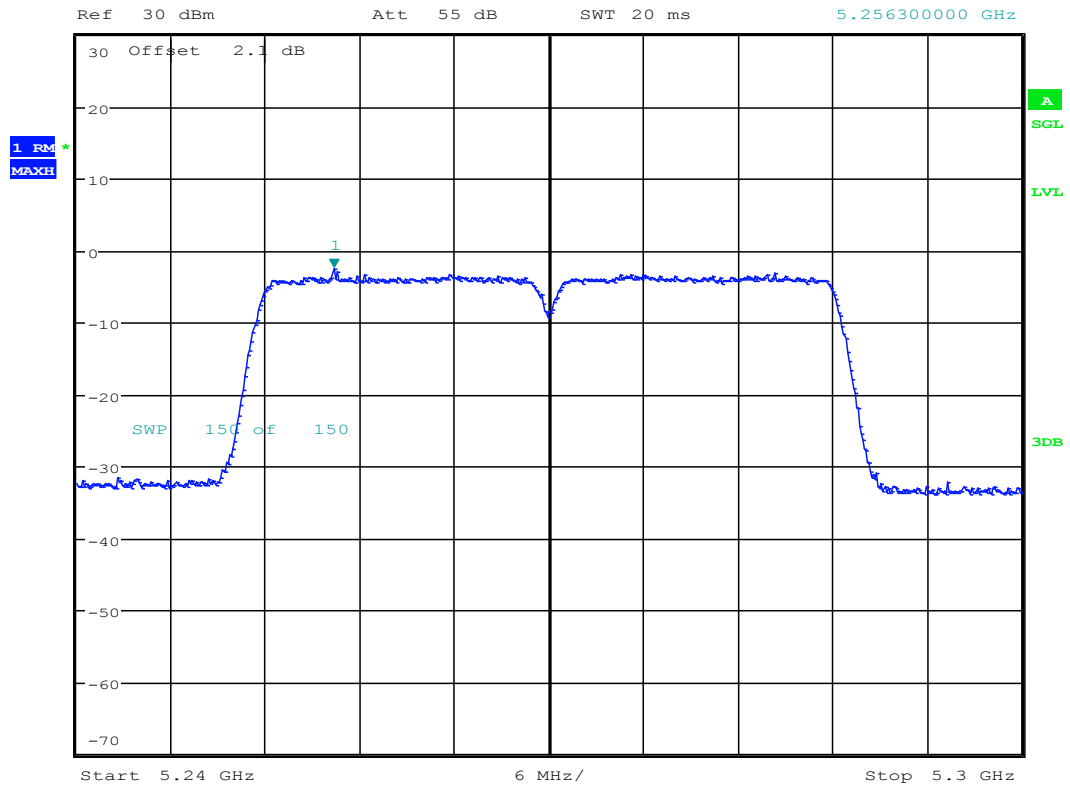
Date: 28.MAR.2018 18:47:49



### 11.86 11N40MIMO\_54 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
-2.54 dBm  
5.256300000 GHz



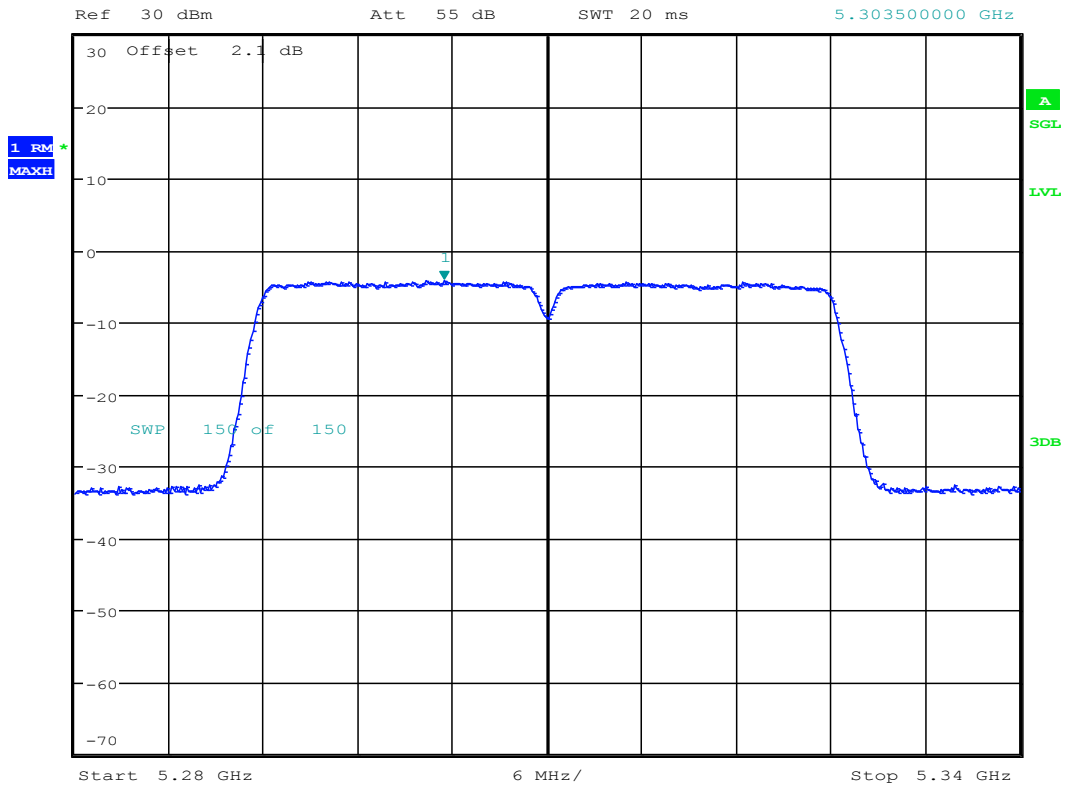
Date: 29.MAR.2018 18:16:21



### 11.87 11N40MIMO\_62 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -4.11 dBm  
SWT 20 ms      5.303500000 GHz



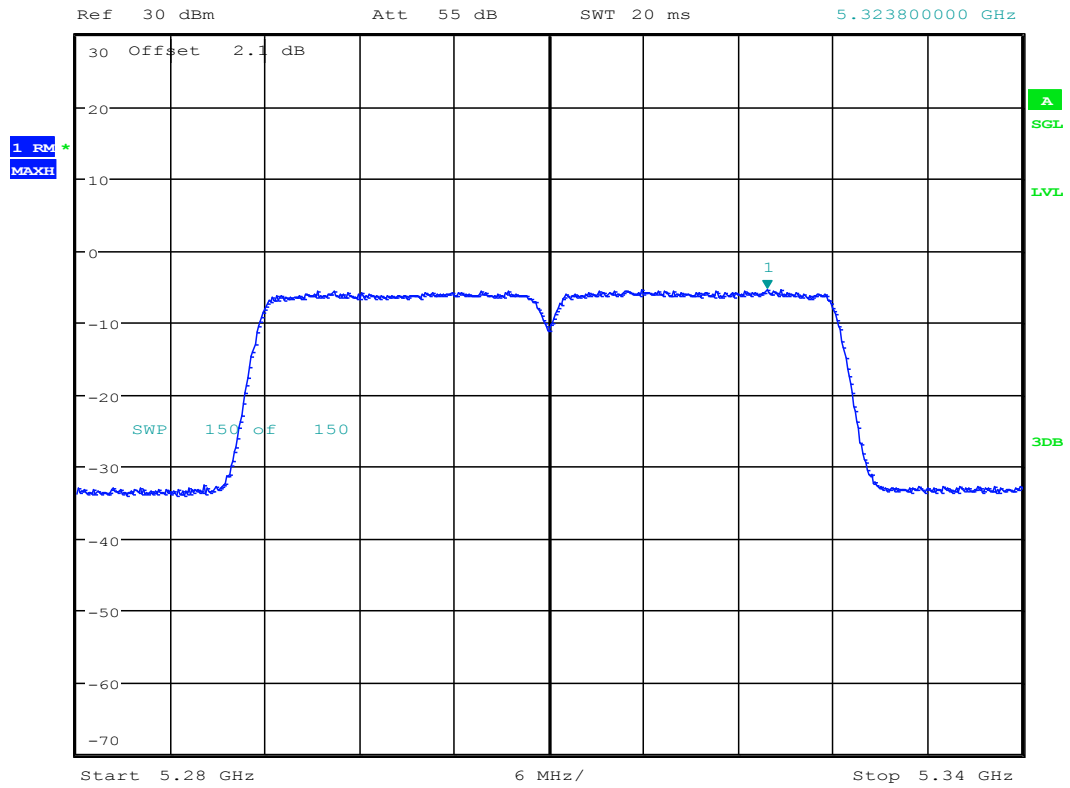
Date: 28.MAR.2018 18:50:20



### 11.88 11N40MIMO\_62 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -5.41 dBm  
SWT 20 ms      5.323800000 GHz



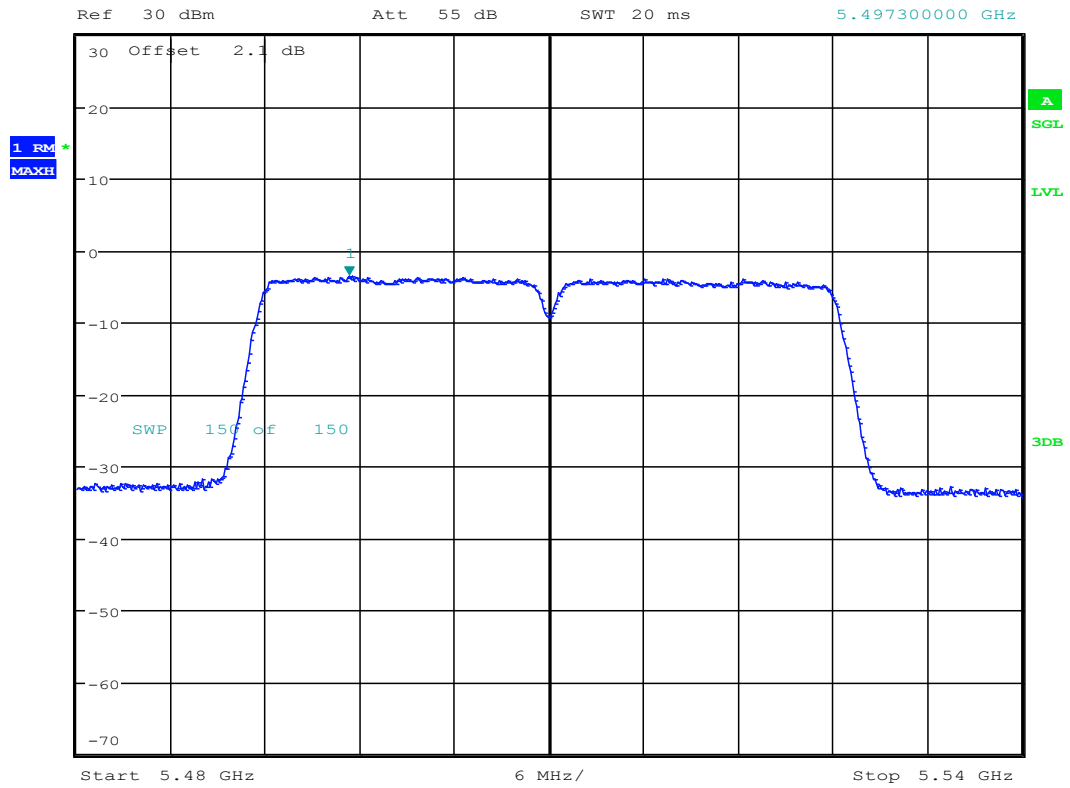
Date: 29.MAR.2018 18:25:02



### 11.89 11N40MIMO\_102 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
-3.50 dBm  
5.497300000 GHz



Date: 28.MAR.2018 18:53:10

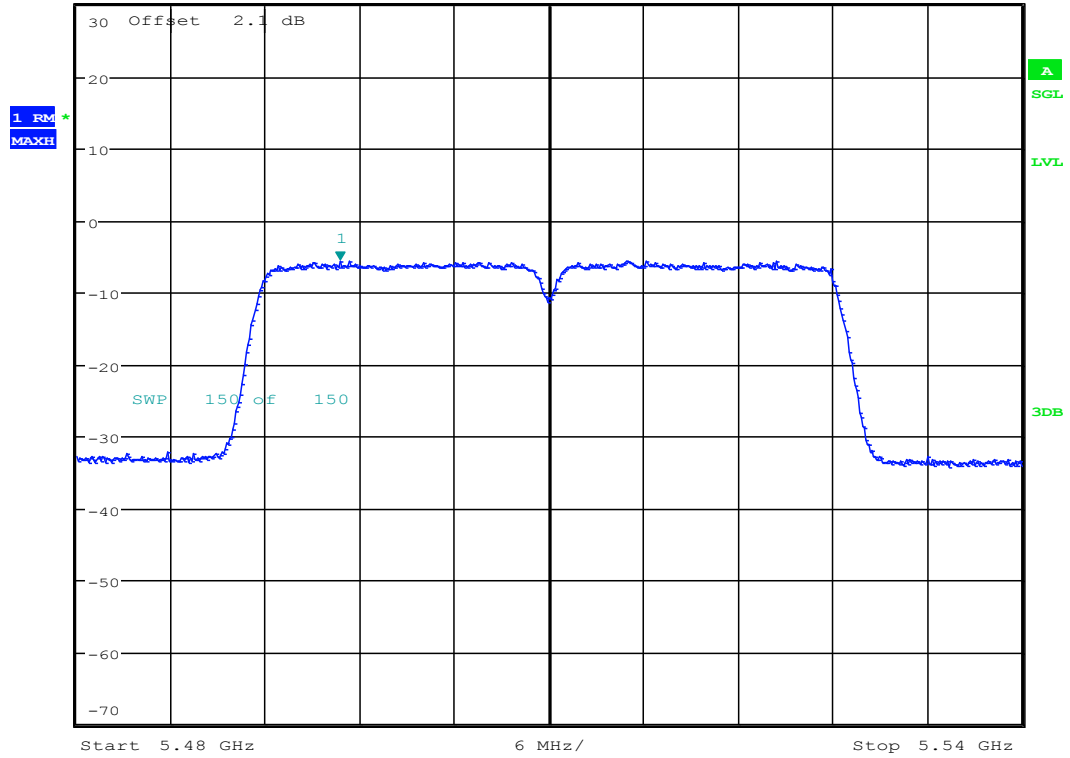




### 11.90 11N40MIMO\_102 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -5.50 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.496700000 GHz



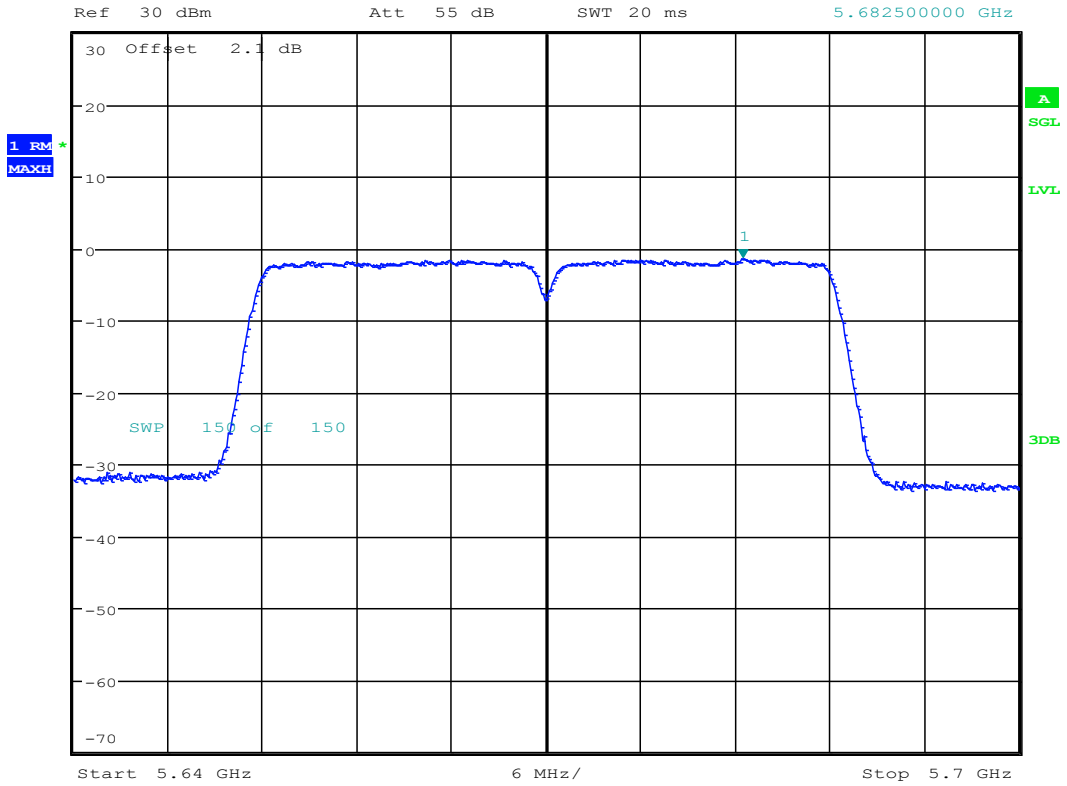
Date: 29.MAR.2018 18:29:01



### 11.91 11N40MIMO\_134 ANT 1



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
-1.45 dBm  
5.682500000 GHz



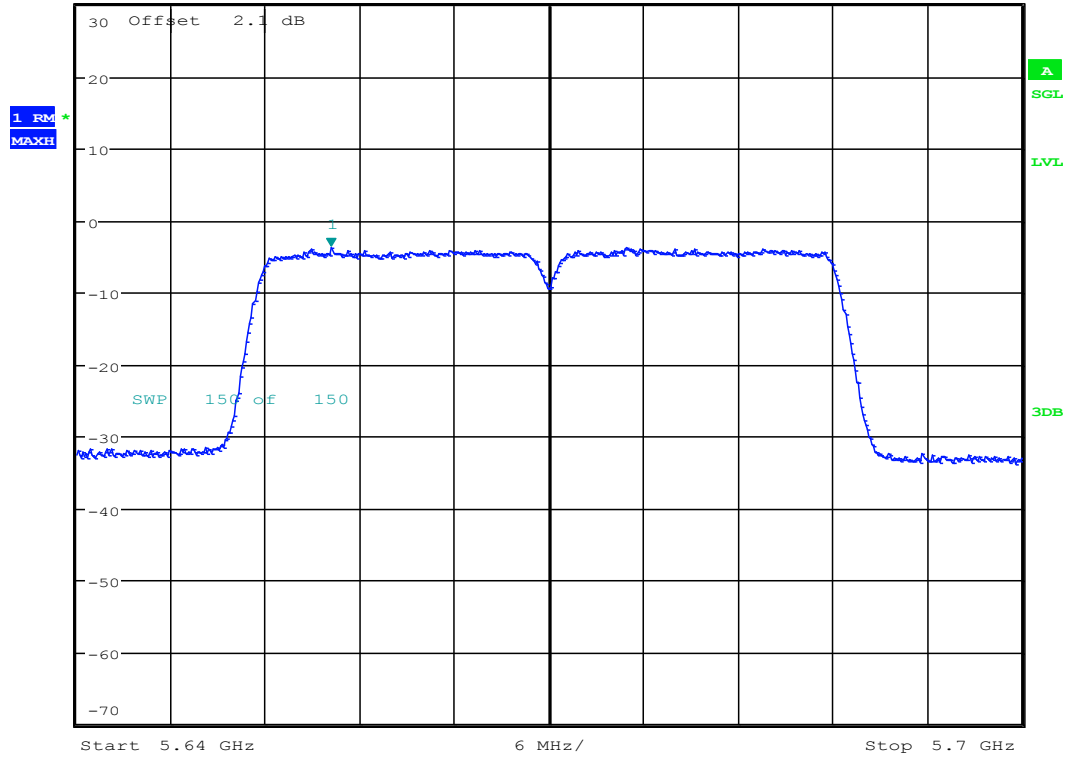
Date: 28.MAR.2018 18:55:43



### 11.92 11N40MIMO\_134 ANT 2



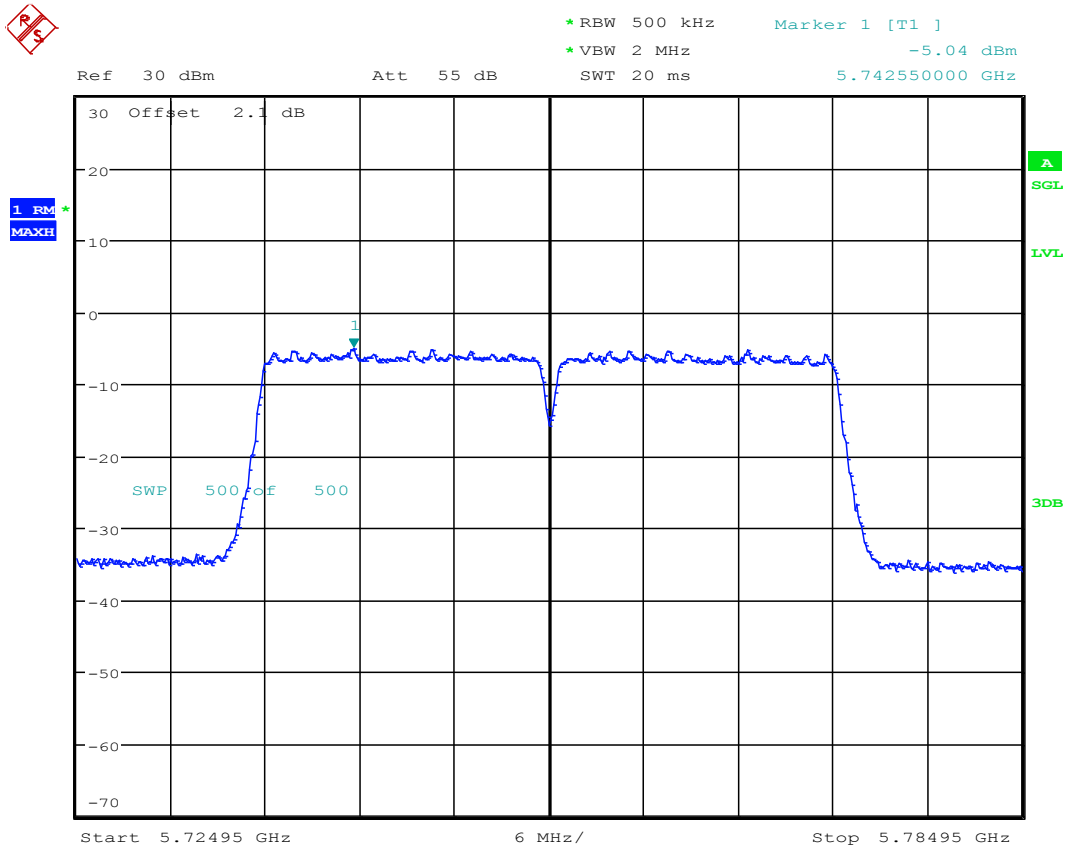
\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -3.63 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.656200000 GHz



Date: 29.MAR.2018 18:31:42



### 11.93 11N40MIMO\_151 ANT 1



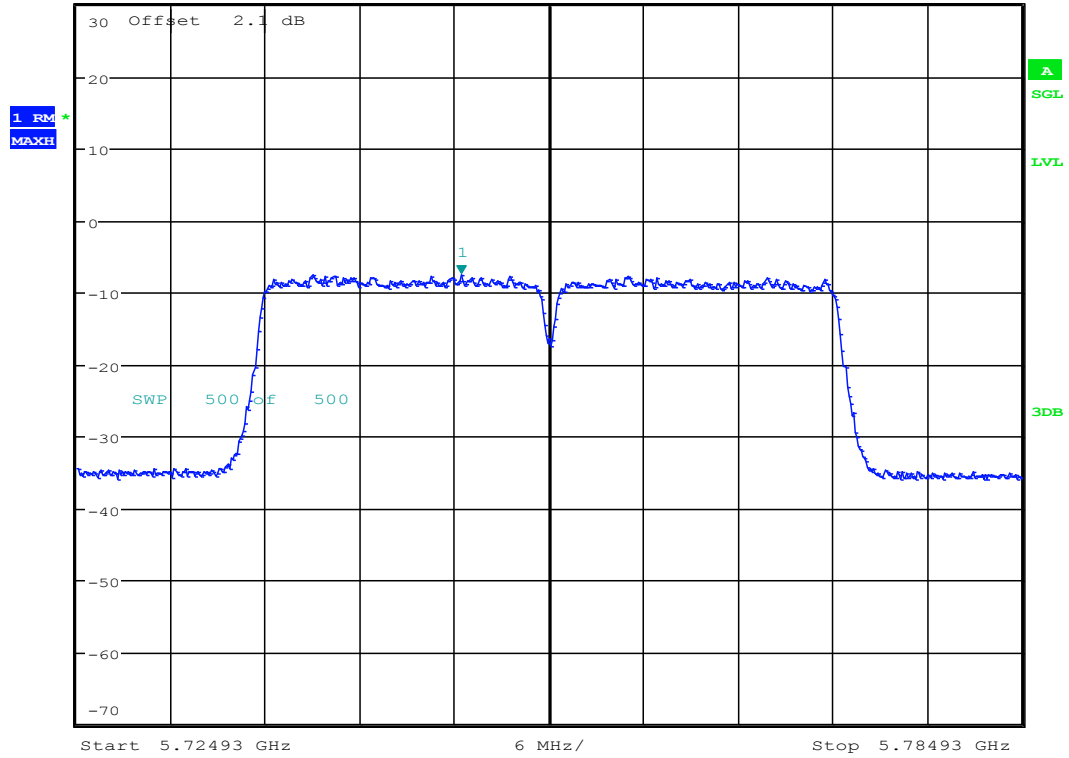
Date: 28.MAR.2018 19:01:48



### 11.94 11N40MIMO\_151 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -7.46 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.749330000 GHz

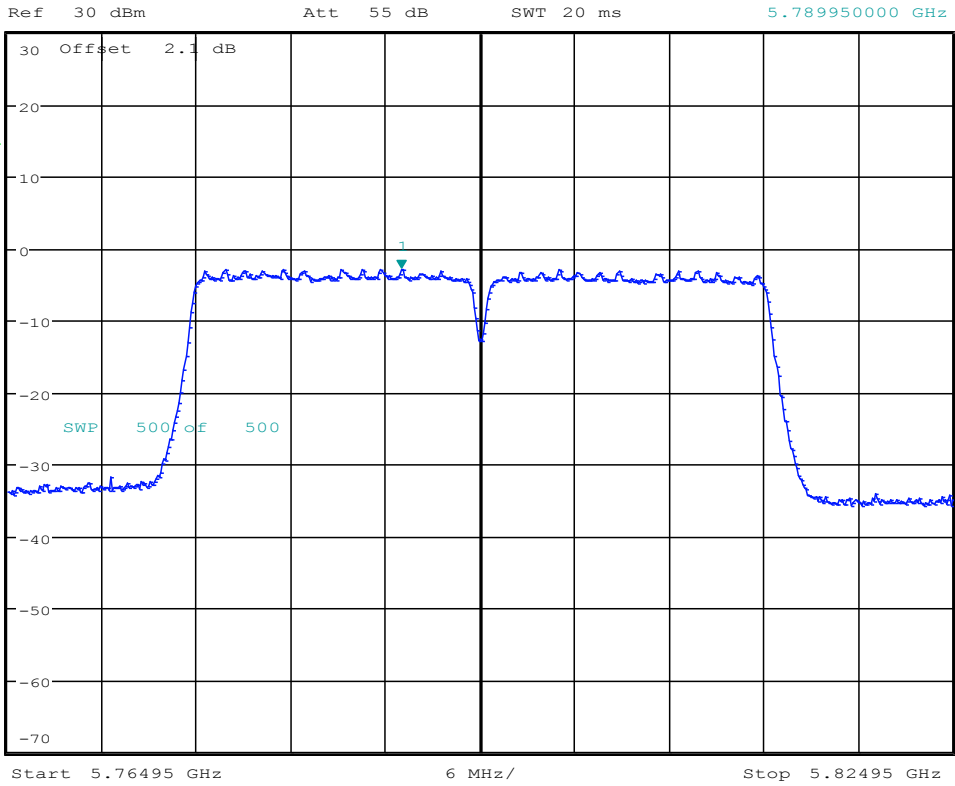


Date: 29.MAR.2018 18:37:54

### 11.95 11N40MIMO\_159 ANT 1

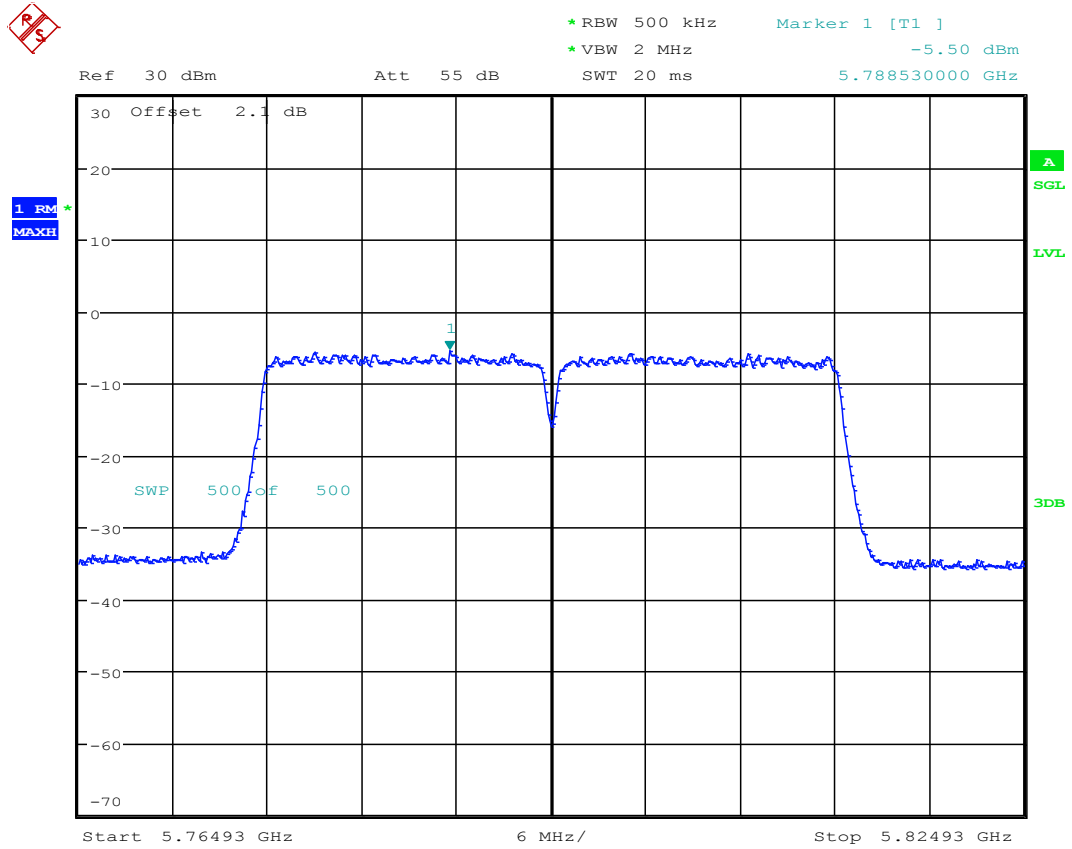


\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -2.82 dBm  
 SWT 20 ms      5.789950000 GHz



Date: 28.MAR.2018 19:04:52

## 11.96 11N40MIMO\_159 ANT 2



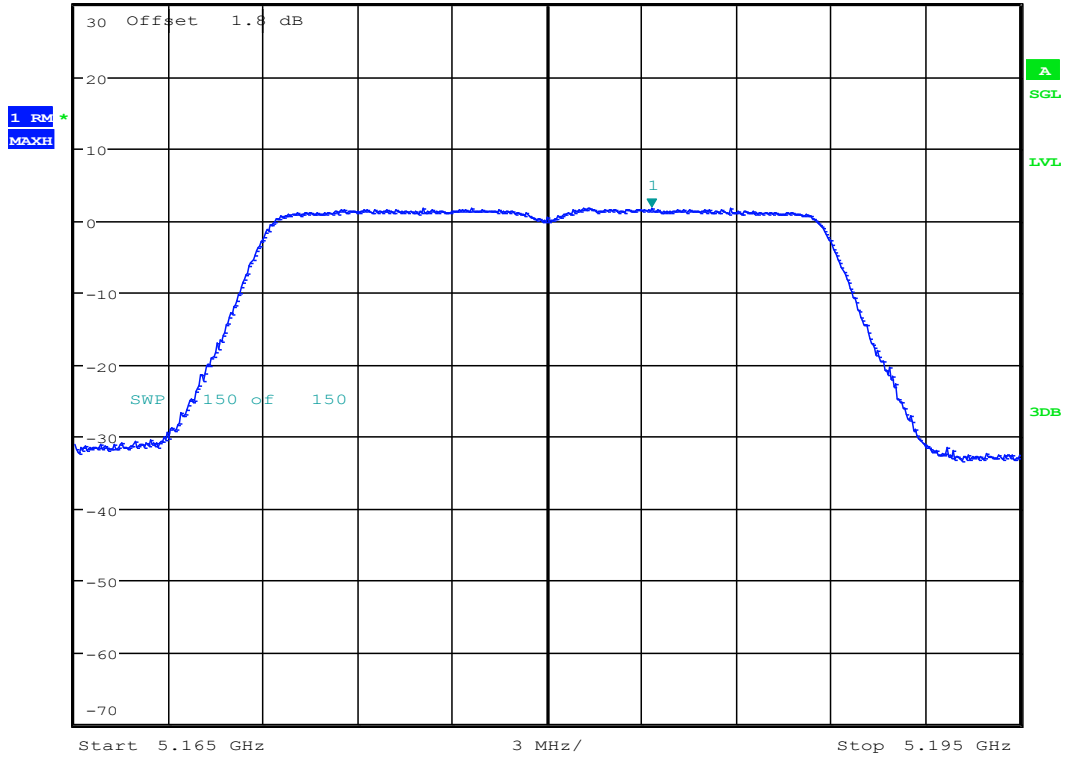
Date: 29.MAR.2018 18:41:11



### 11.97 11AC20\_36 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      1.83 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.183300000 GHz



Date: 28.MAR.2018 16:11:19



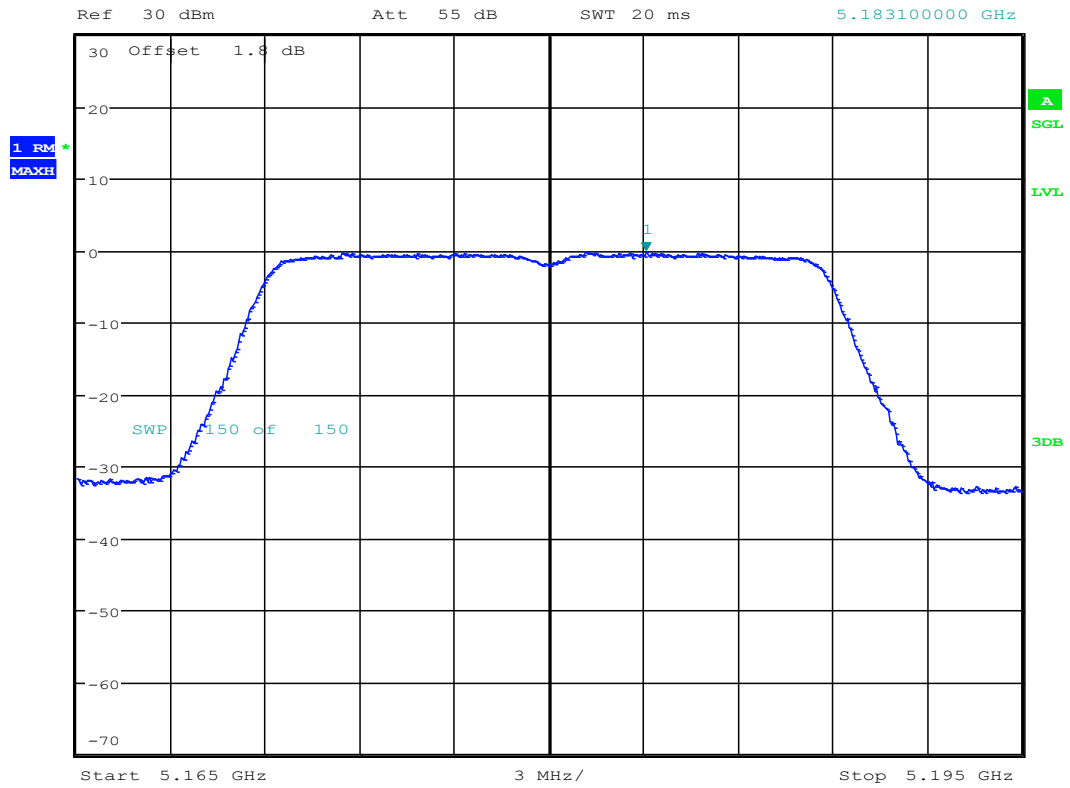


### 11.98 11AC20\_36 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms

Marker 1 [T1 ]  
-0.12 dBm  
5.183100000 GHz



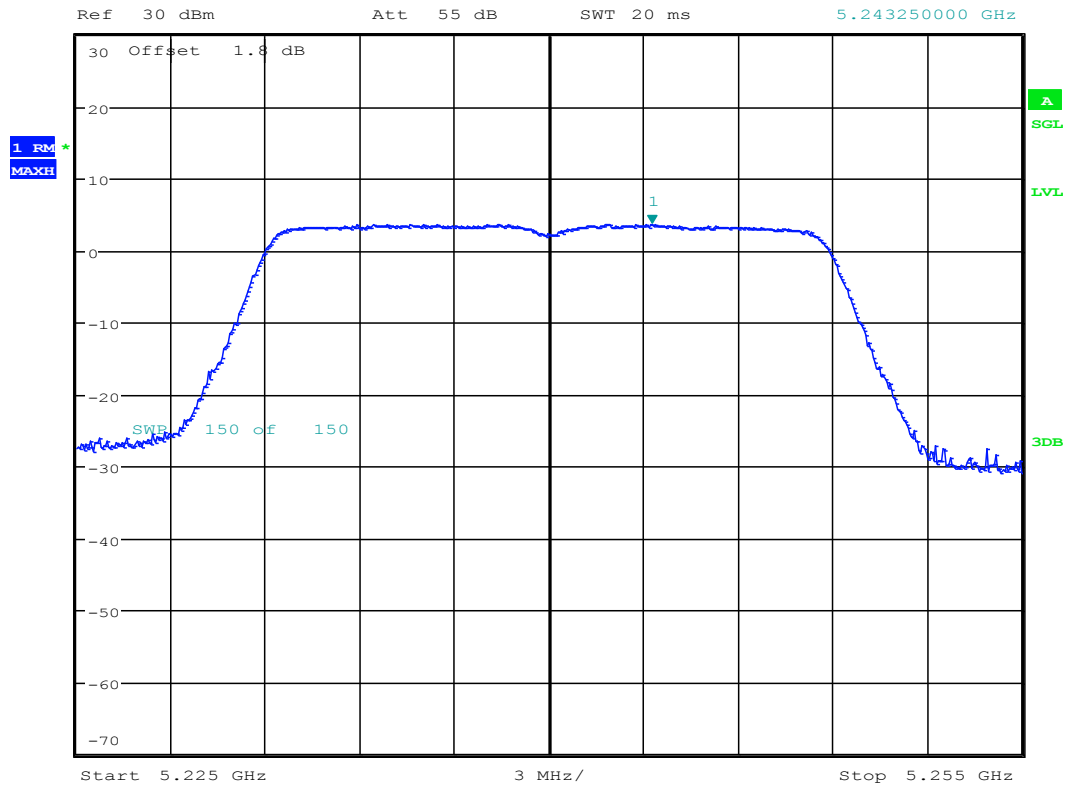
Date: 29.MAR.2018 15:05:40



### 11.99 11AC20\_48 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      3.74 dBm  
SWT 20 ms      5.243250000 GHz



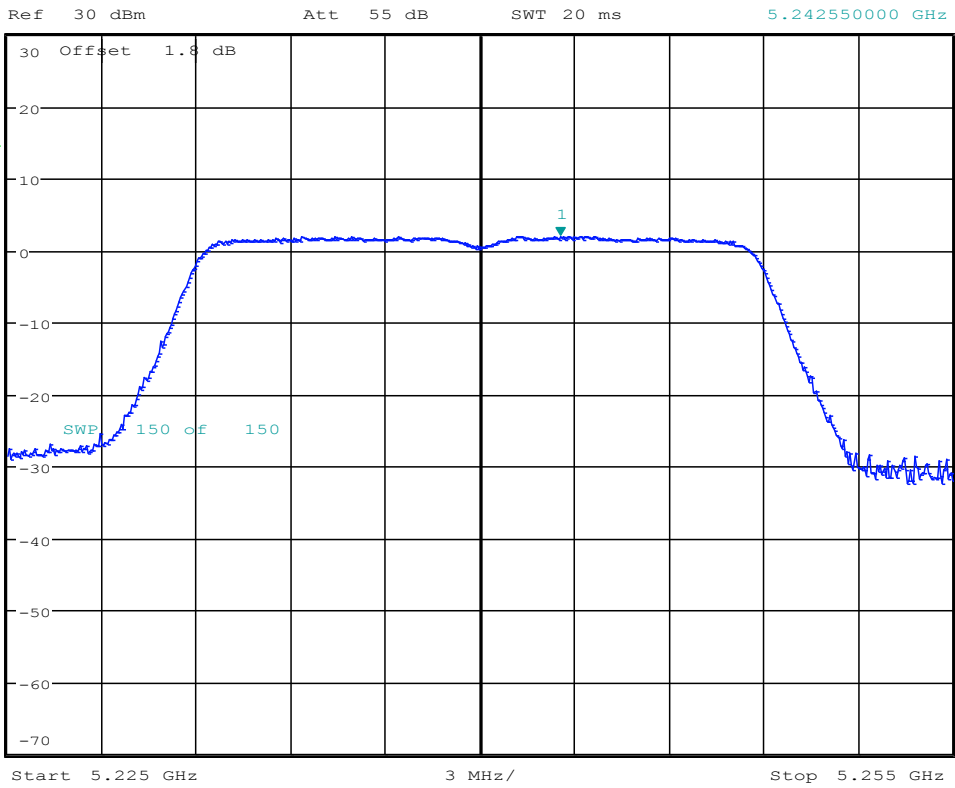
Date: 28.MAR.2018 16:23:13



### 11.100 11AC20\_48 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      2.01 dBm  
SWT 20 ms      5.242550000 GHz



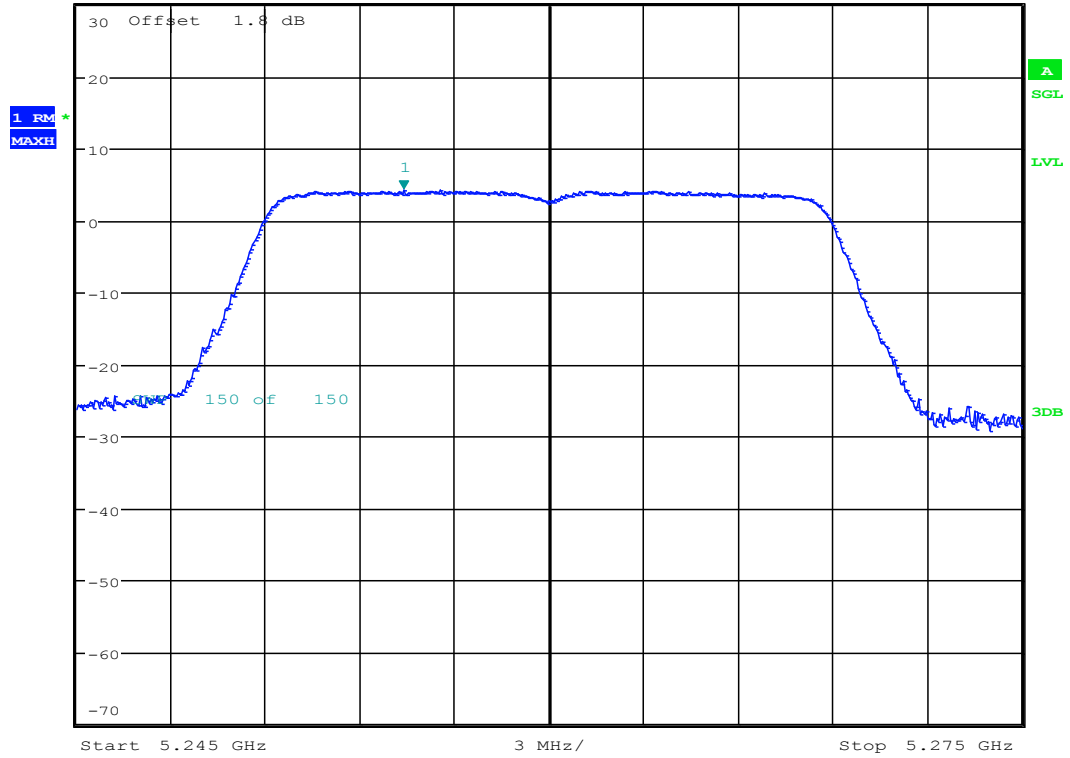
Date: 29.MAR.2018 15:09:53



### 11.101 11AC20\_52 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      4.22 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.255400000 GHz



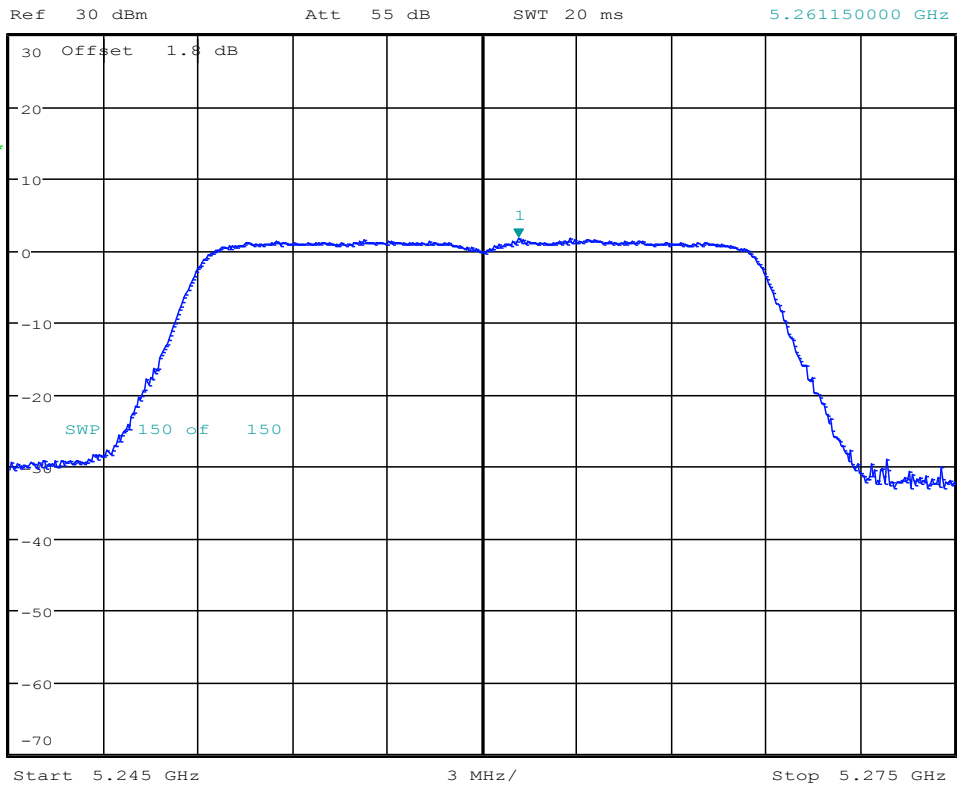
Date: 28.MAR.2018 16:26:03



### 11.102 11AC20\_52 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
1.72 dBm  
5.261150000 GHz



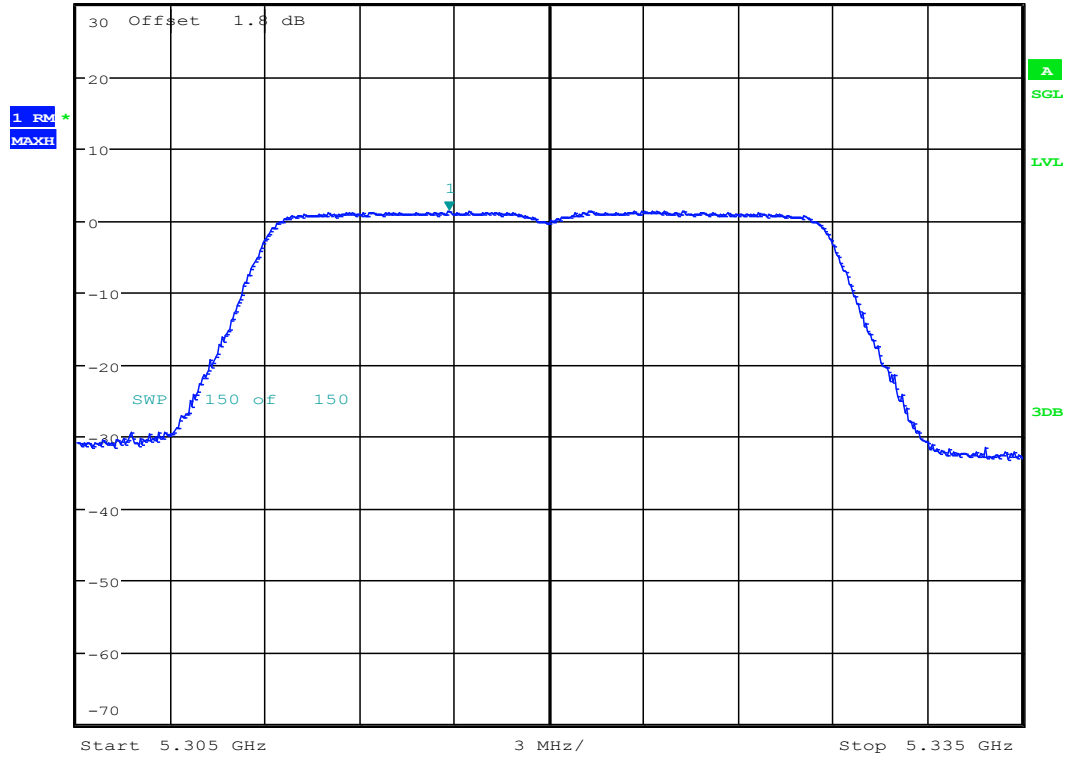
Date: 29.MAR.2018 15:14:59



### 11.103 11AC20\_64 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      1.30 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.316850000 GHz



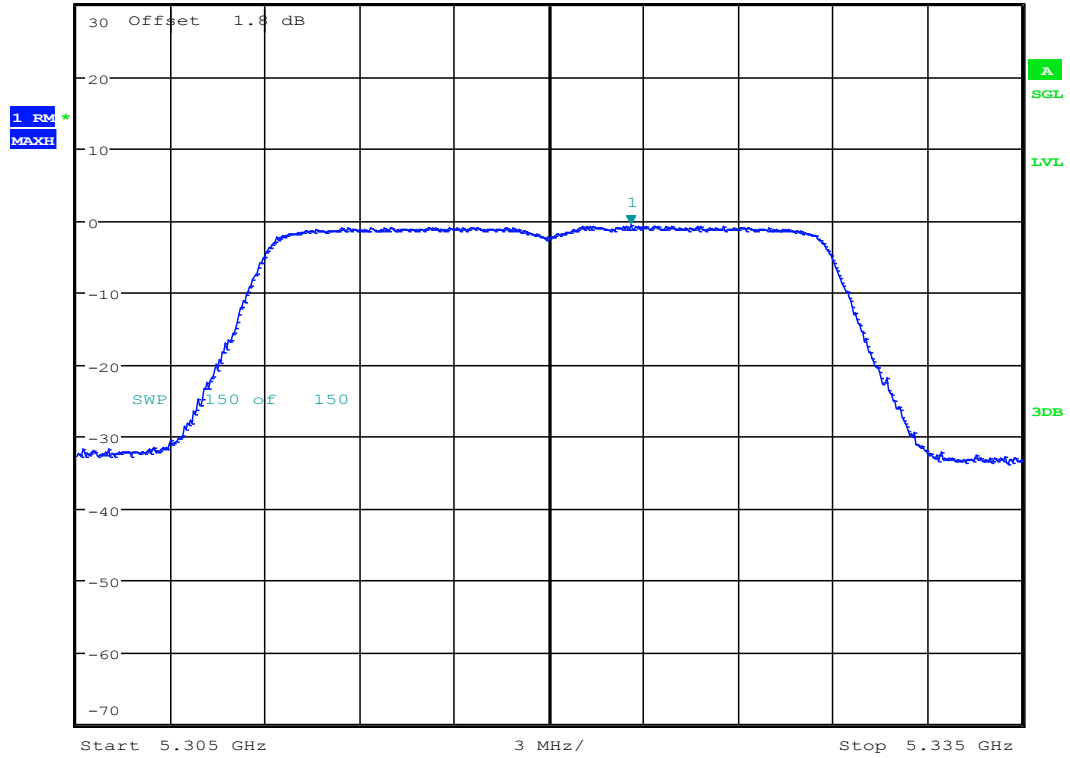
Date: 28.MAR.2018 16:28:33



### 11.104 11AC20\_64 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -0.64 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.322600000 GHz



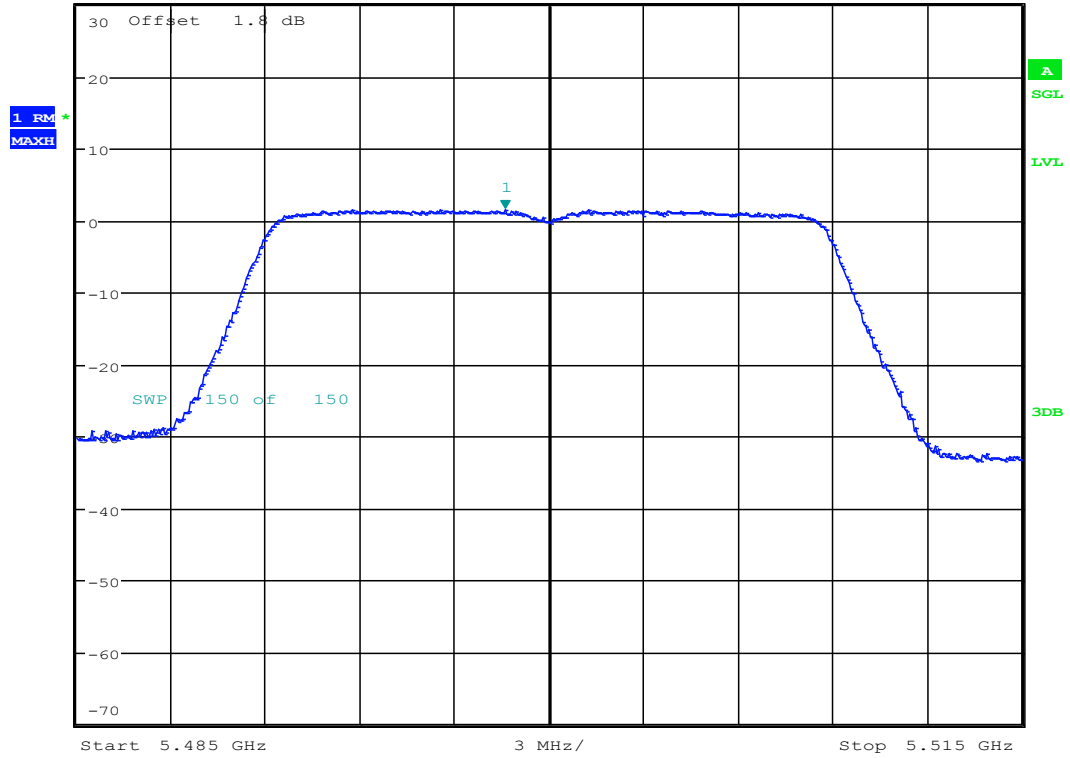
Date: 29.MAR.2018 15:17:54



### 11.105 11AC20\_100 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      1.57 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.498600000 GHz



Date: 28.MAR.2018 16:31:15

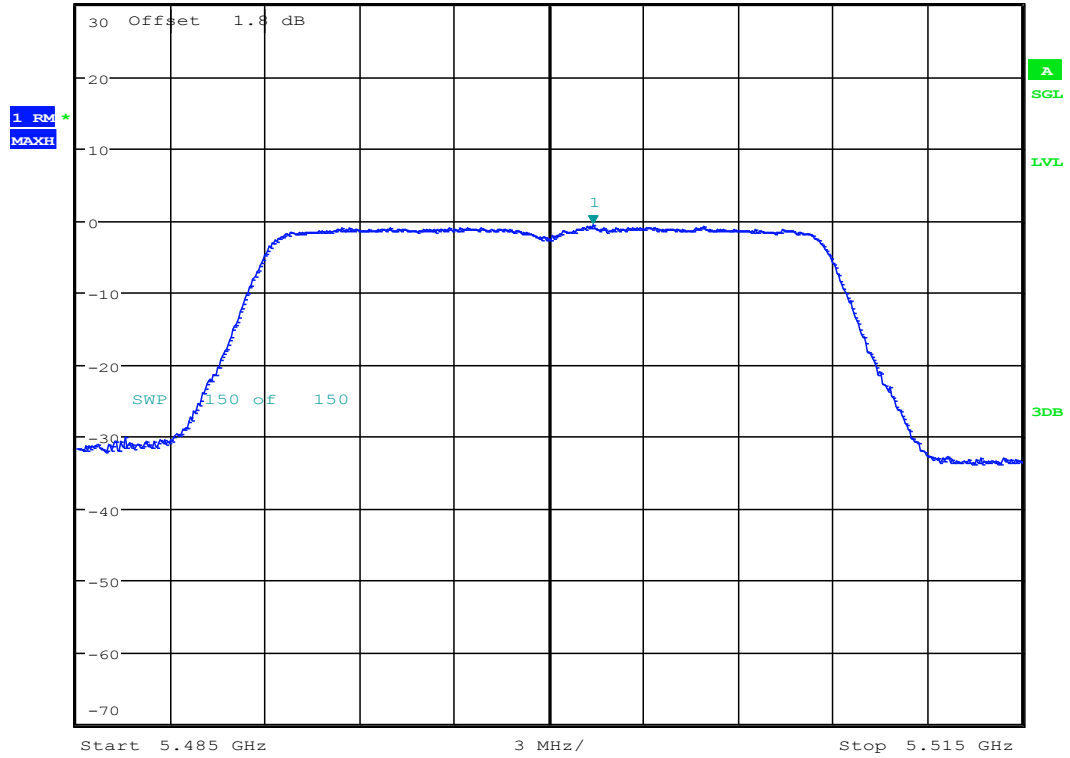




### 11.106 11AC20\_100 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -0.59 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.501400000 GHz



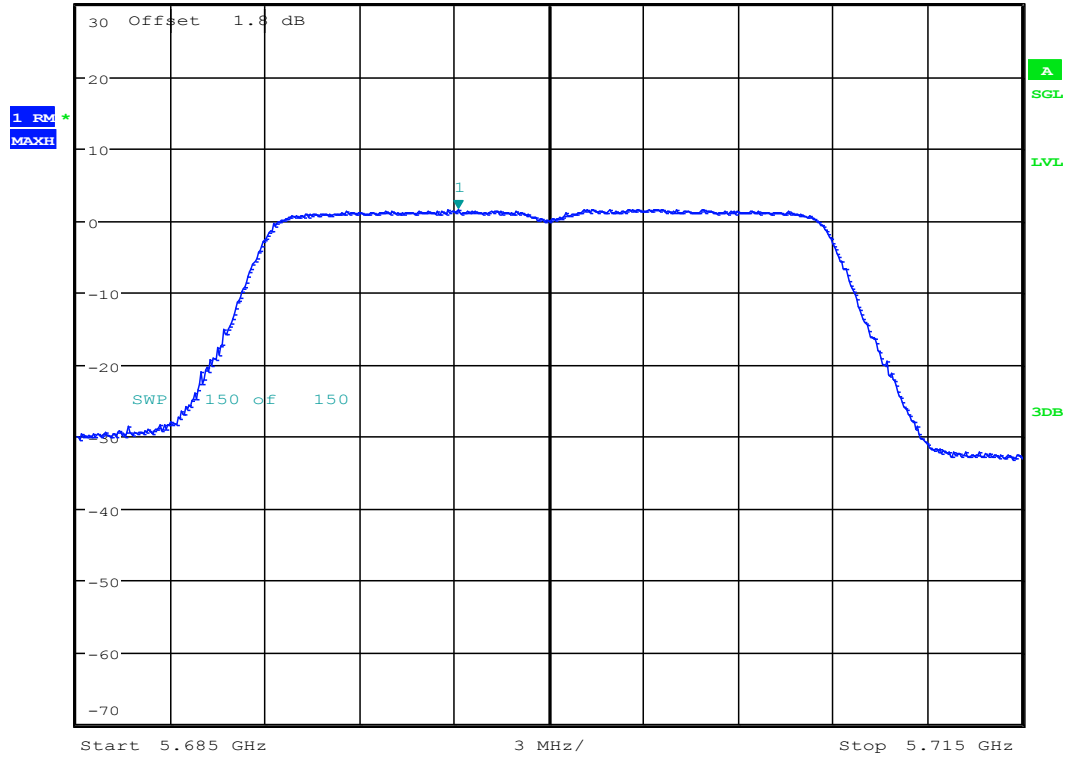
Date: 29.MAR.2018 15:21:01



### 11.107 11AC20\_140 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      1.58 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.697100000 GHz



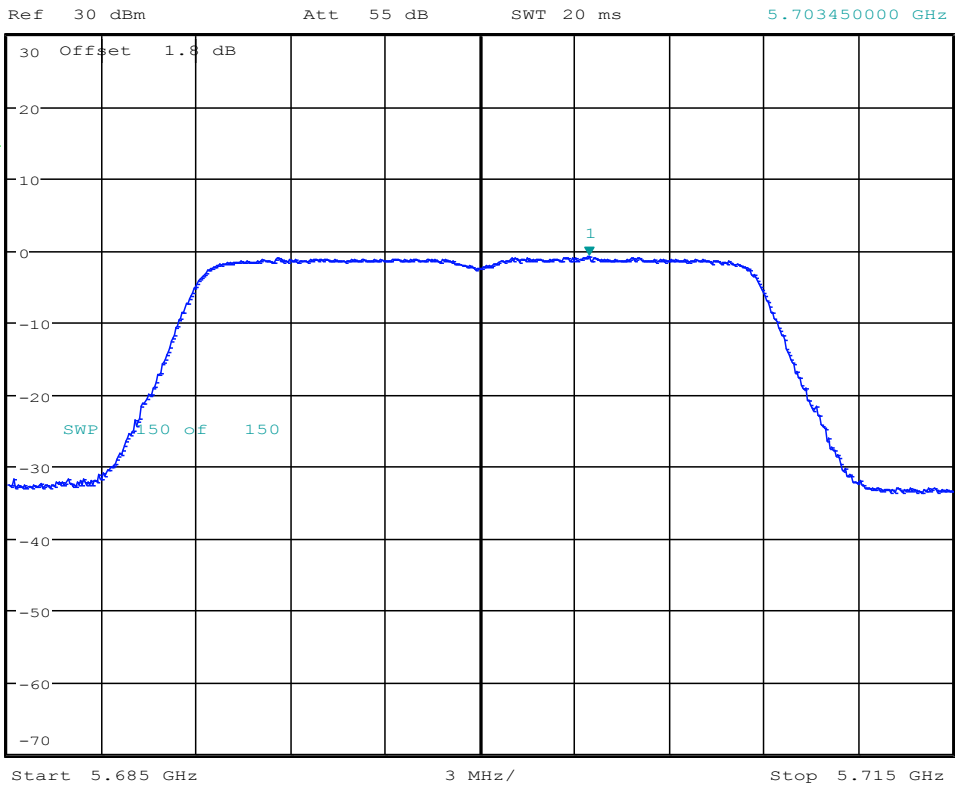
Date: 28.MAR.2018 16:37:13



### 11.108 11AC20\_140 ANT 2



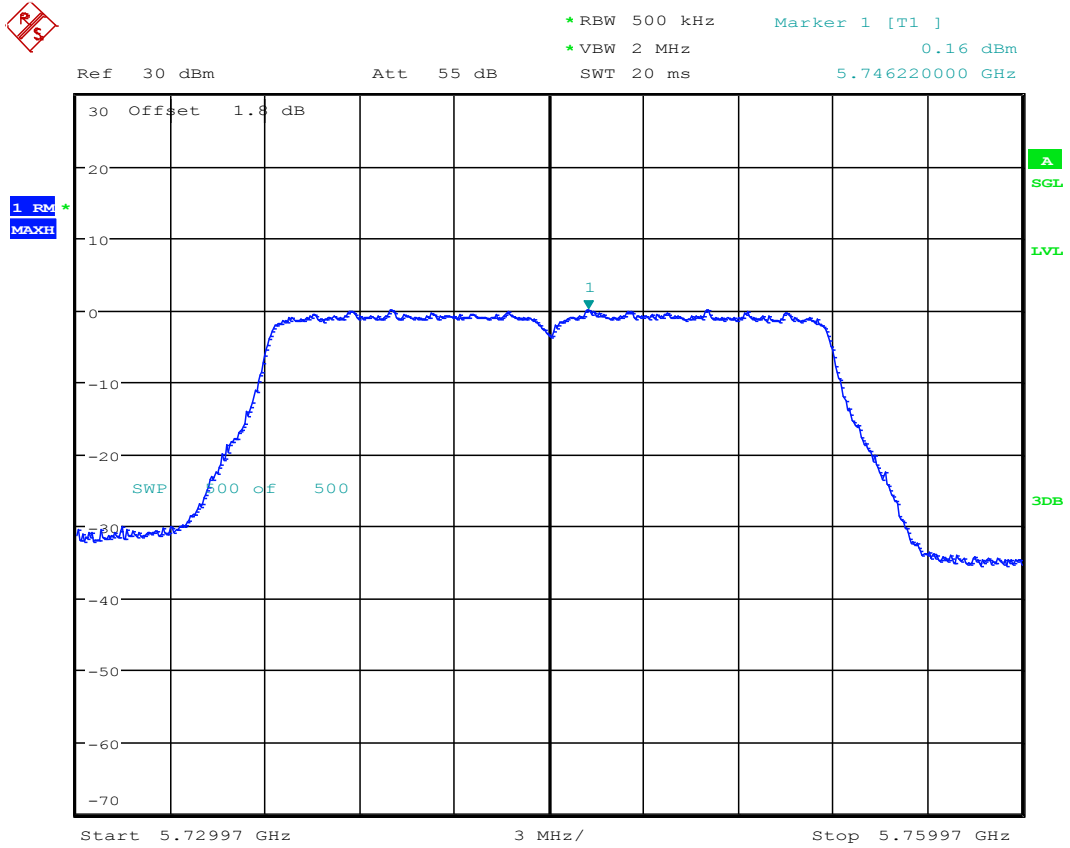
\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -0.82 dBm  
SWT 20 ms      5.703450000 GHz



Date: 29.MAR.2018 15:24:32



### 11.109 11AC20\_149 ANT 1



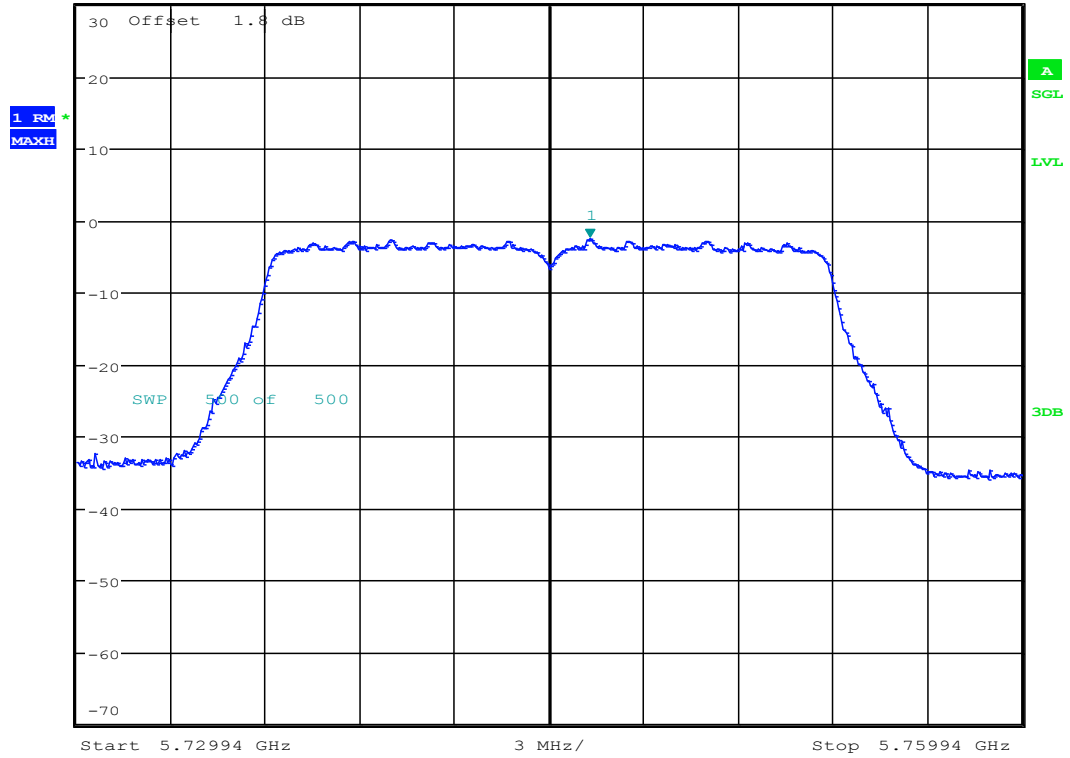
Date: 28.MAR.2018 16:42:42



### 11.110 11AC20\_149 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -2.48 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.746240000 GHz



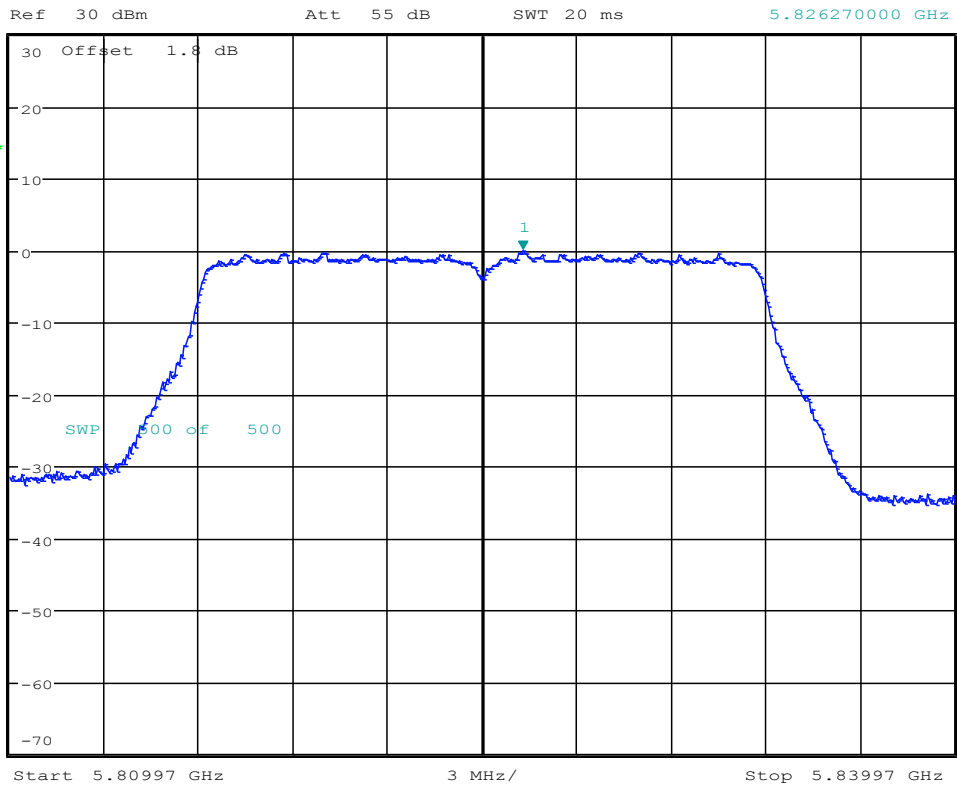
Date: 29.MAR.2018 15:30:36



### 11.111 11AC20\_165 ANT 1



\*RBW 500 kHz    Marker 1 [T1 ]  
\*VBW 2 MHz                      0.15 dBm  
SWT 20 ms                      5.826270000 GHz



Date: 28.MAR.2018 16:45:38

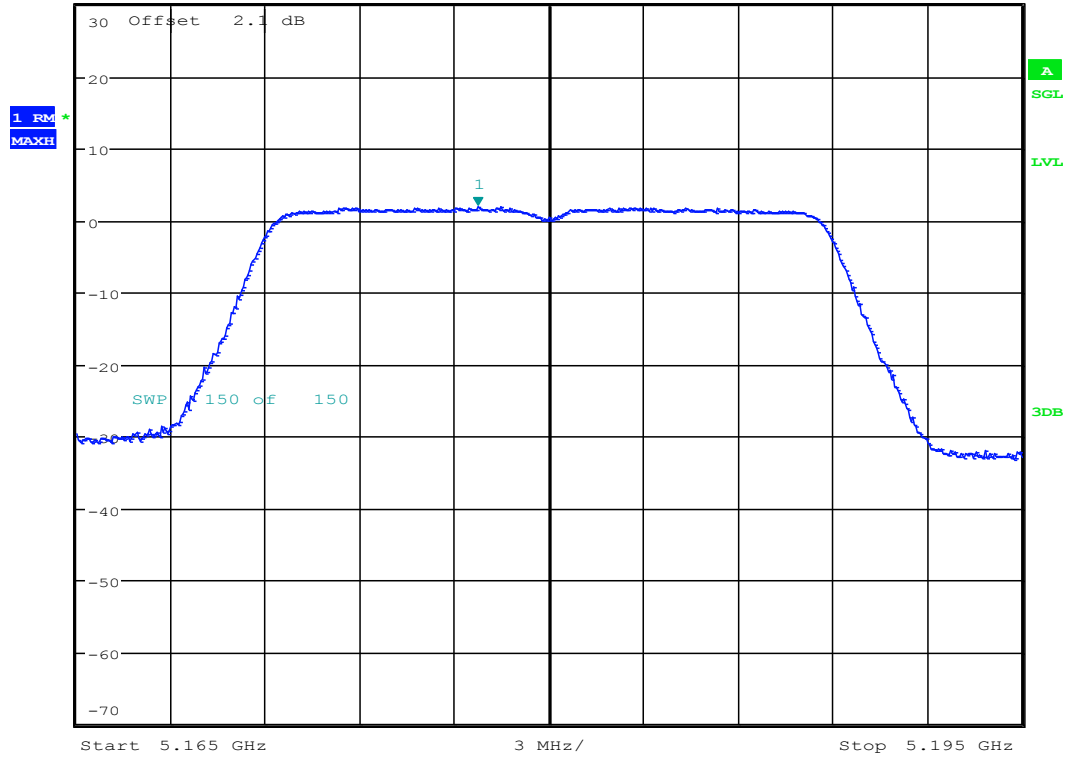




### 11.113 11AC20MIMO\_36 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      1.99 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.177750000 GHz



Date: 28.MAR.2018 19:07:50

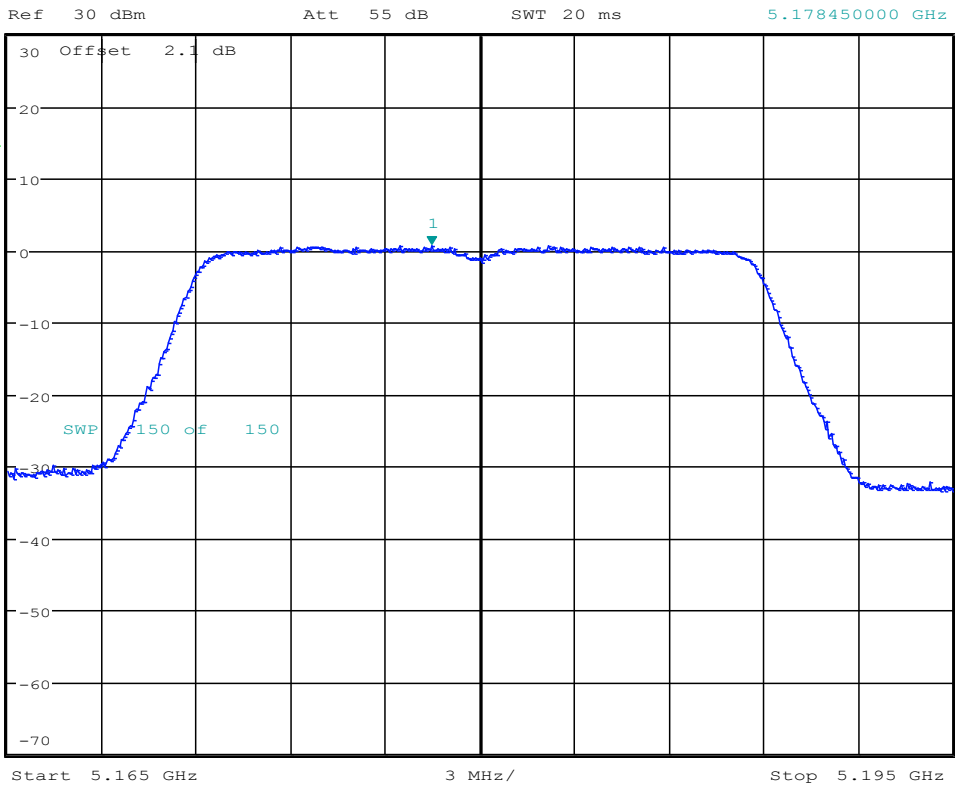




### 11.114 11AC20MIMO\_36 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      0.70 dBm  
SWT 20 ms      5.178450000 GHz



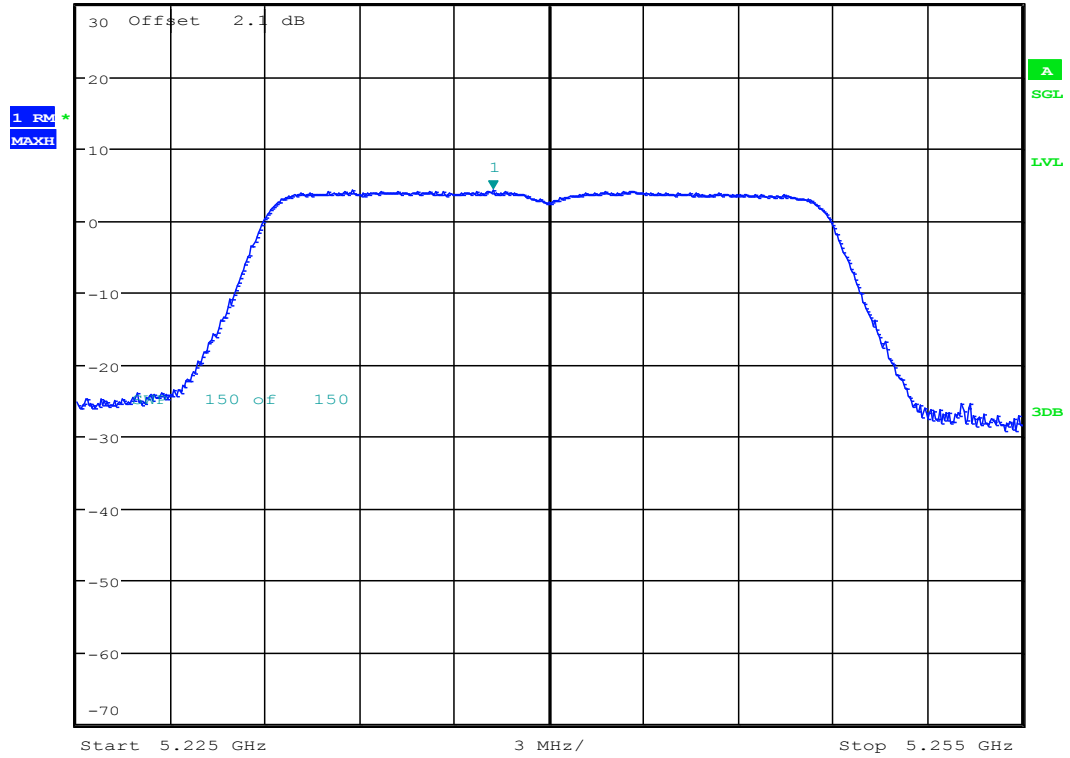
Date: 29.MAR.2018 18:44:45



### 11.115 11AC20MIMO\_48 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      4.24 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.238200000 GHz



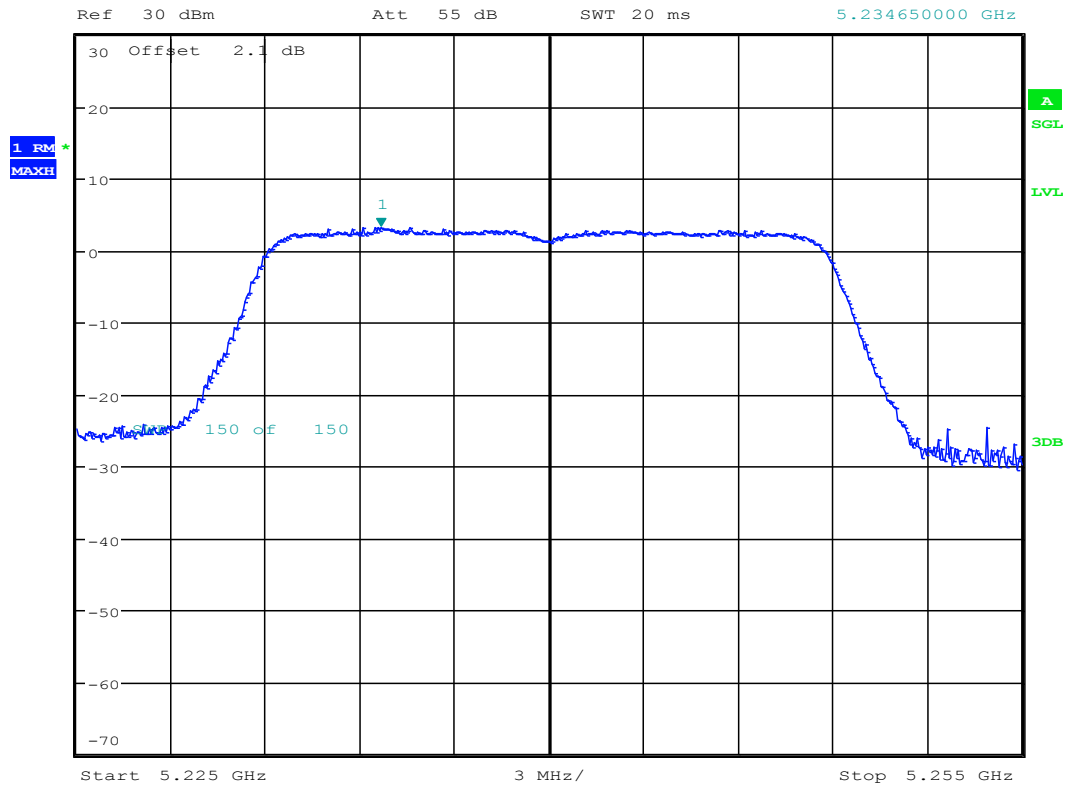
Date: 28.MAR.2018 19:10:19



### 11.116 11AC20MIMO\_48 ANT 2



\*RBW 1 MHz  
\*VBW 3 MHz  
SWT 20 ms  
Marker 1 [T1 ]  
3.25 dBm  
5.234650000 GHz



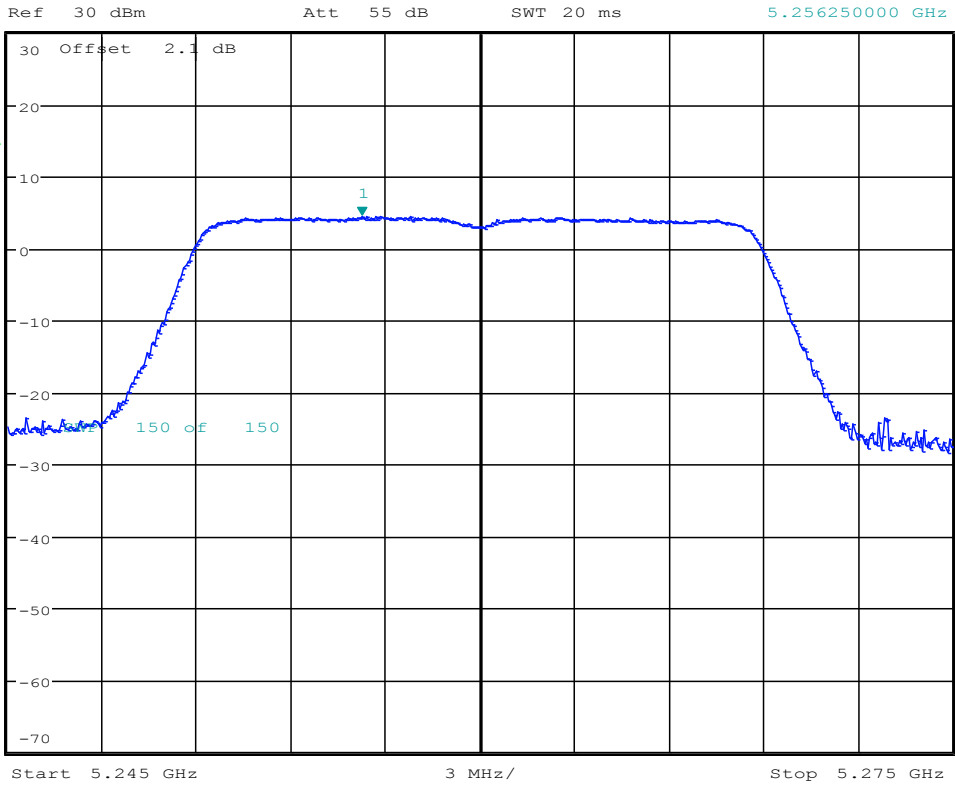
Date: 29.MAR.2018 18:47:10



### 11.117 11AC20MIMO\_52 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      4.54 dBm  
SWT 20 ms      5.256250000 GHz



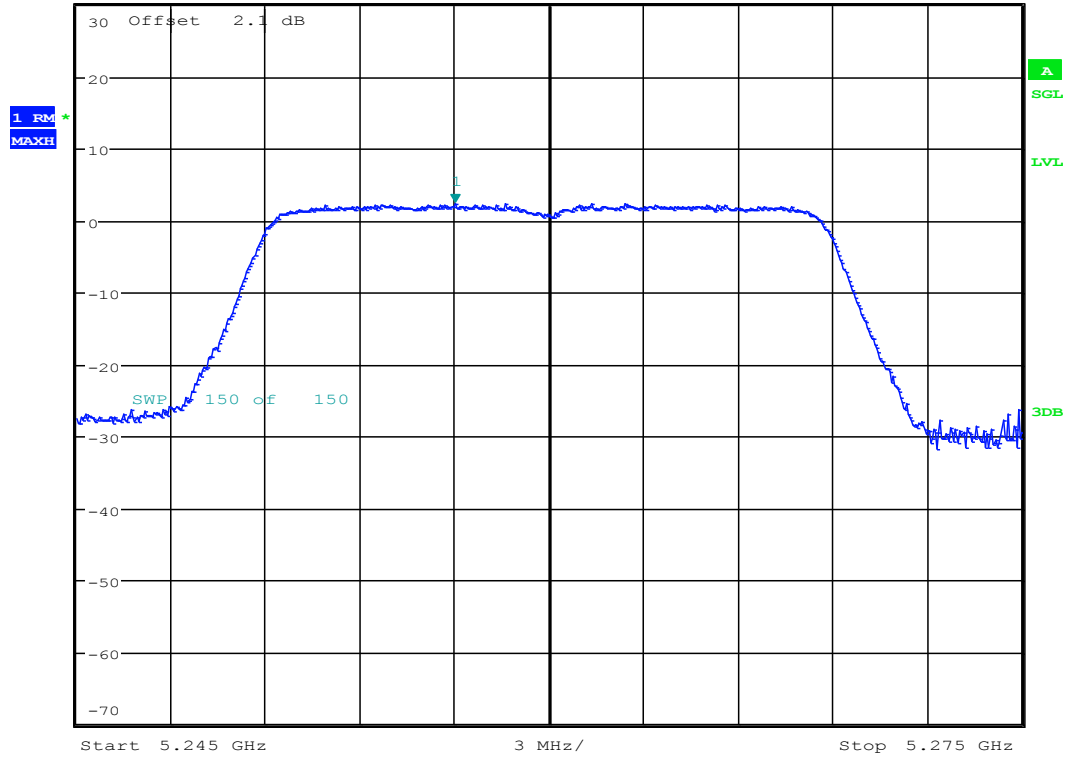
Date: 28.MAR.2018 19:13:05



### 11.118 11AC20MIMO\_52 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      2.37 dBm  
Ref 30 dBm      Att 55 dB      SWT 20 ms      5.257000000 GHz



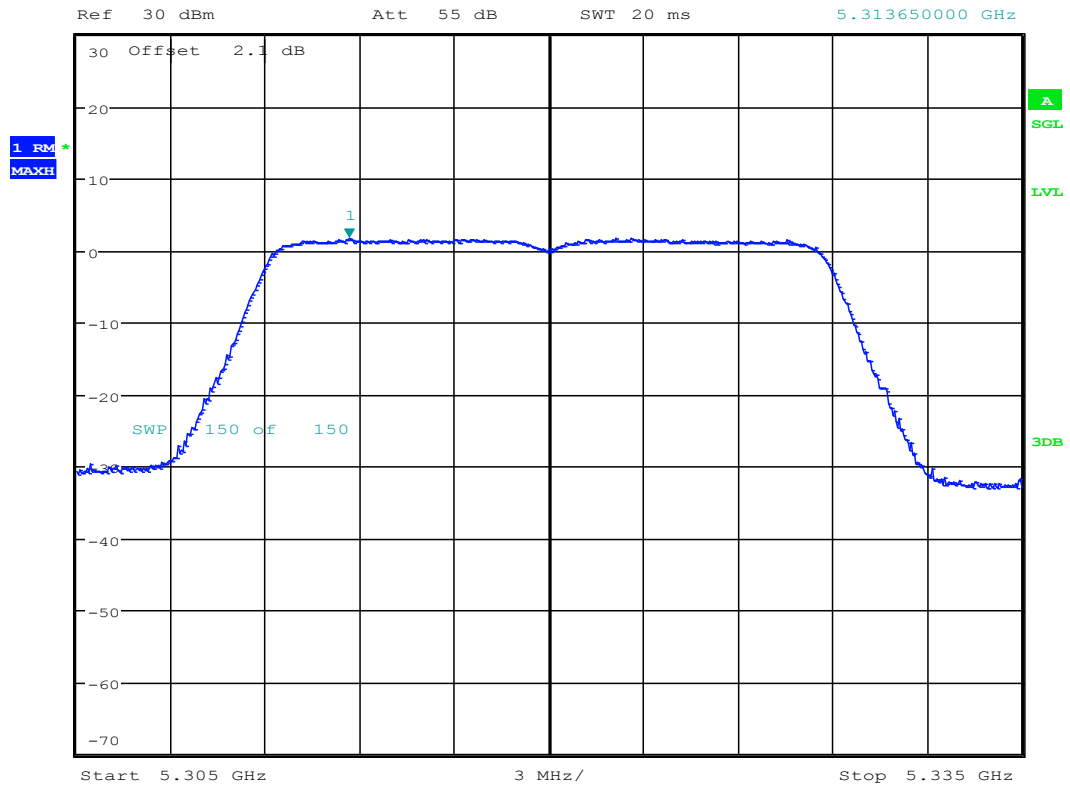
Date: 29.MAR.2018 18:49:52



### 11.119 11AC20MIMO\_64 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      1.68 dBm  
SWT 20 ms      5.313650000 GHz



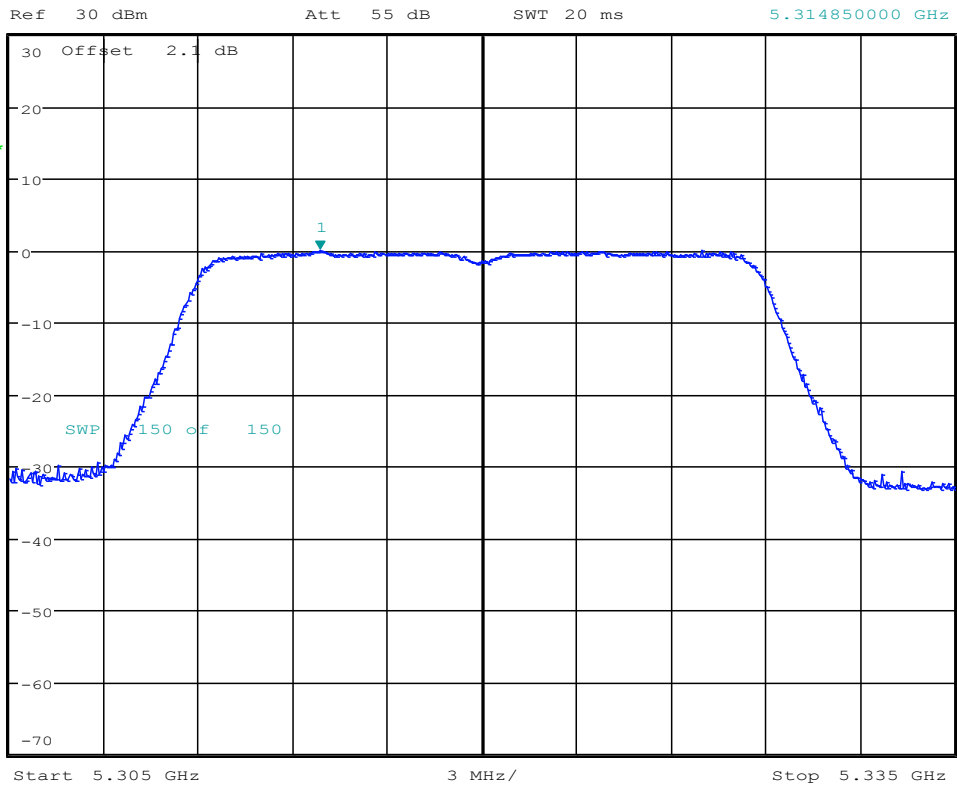
Date: 28.MAR.2018 19:15:27



### 11.120 11AC20MIMO\_64 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      0.06 dBm  
SWT 20 ms      5.314850000 GHz



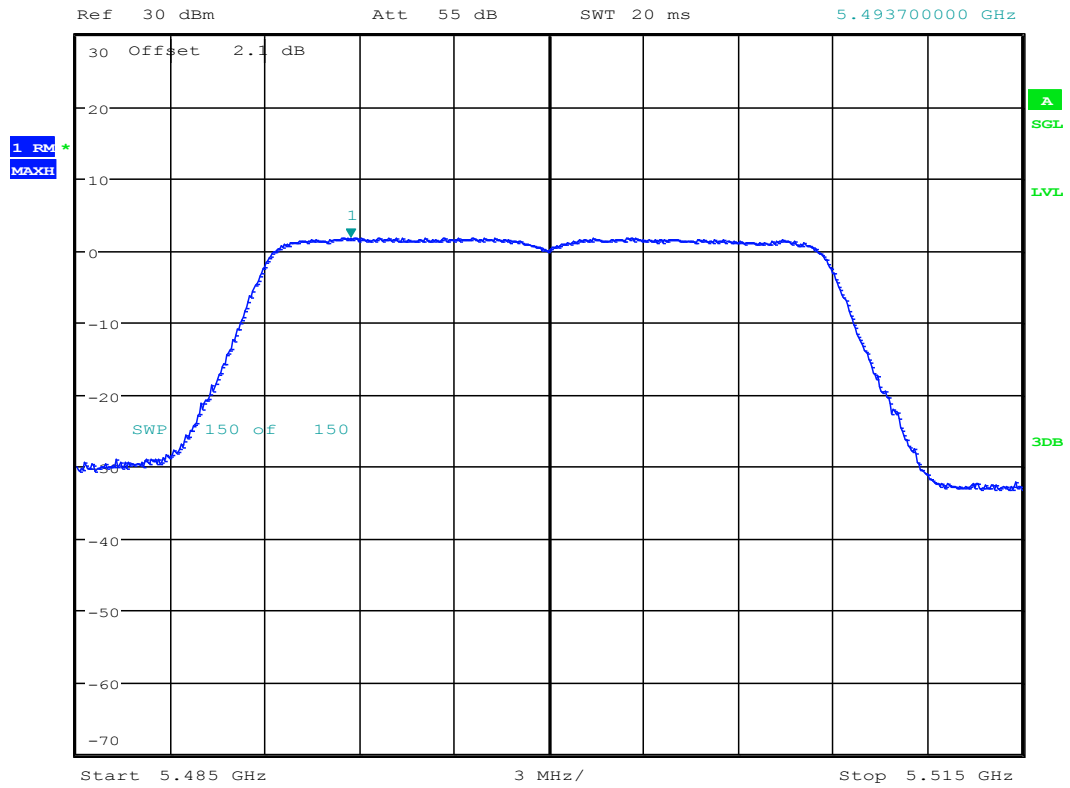
Date: 29.MAR.2018 18:52:58



### 11.121 11AC20MIMO\_100 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      1.82 dBm  
SWT 20 ms      5.493700000 GHz



Date: 28.MAR.2018 19:18:06

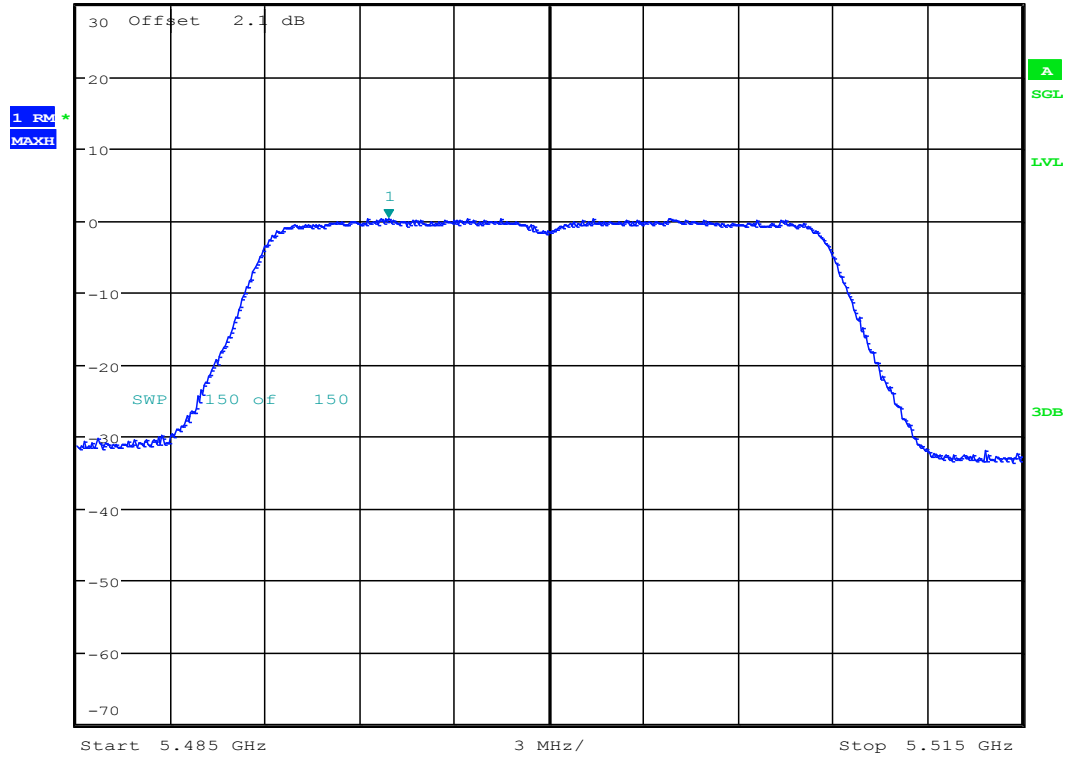




### 11.122 11AC20MIMO\_100 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      0.36 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.494900000 GHz



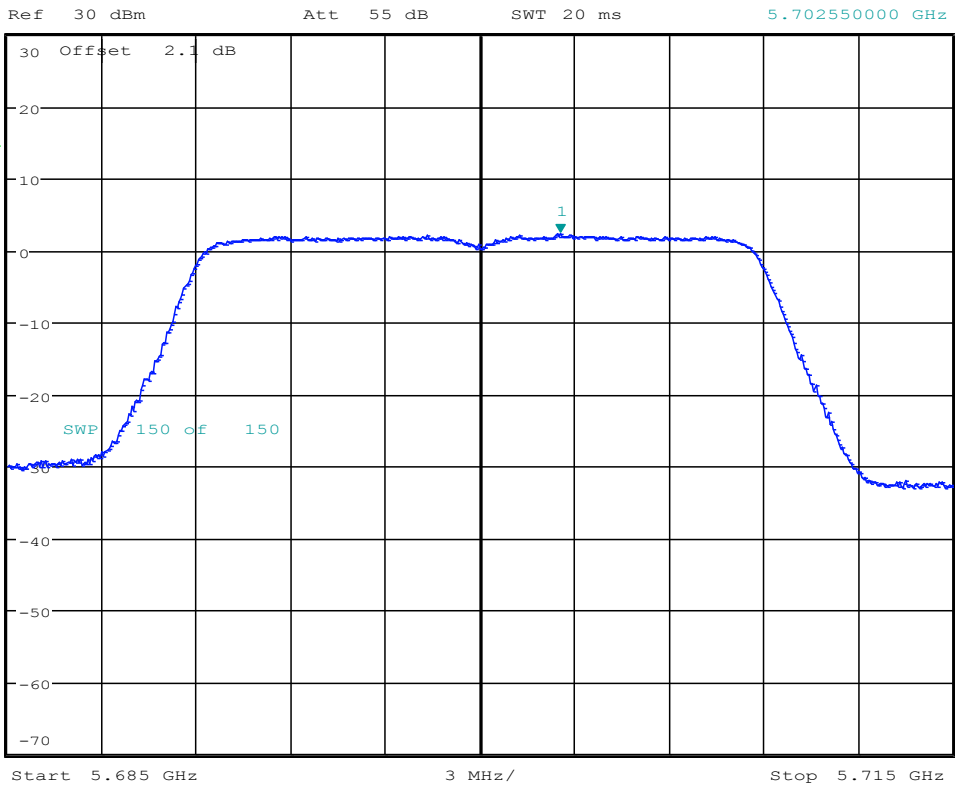
Date: 29.MAR.2018 18:55:41



### 11.123 11AC20MIMO\_140 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      2.37 dBm  
 SWT 20 ms      5.702550000 GHz



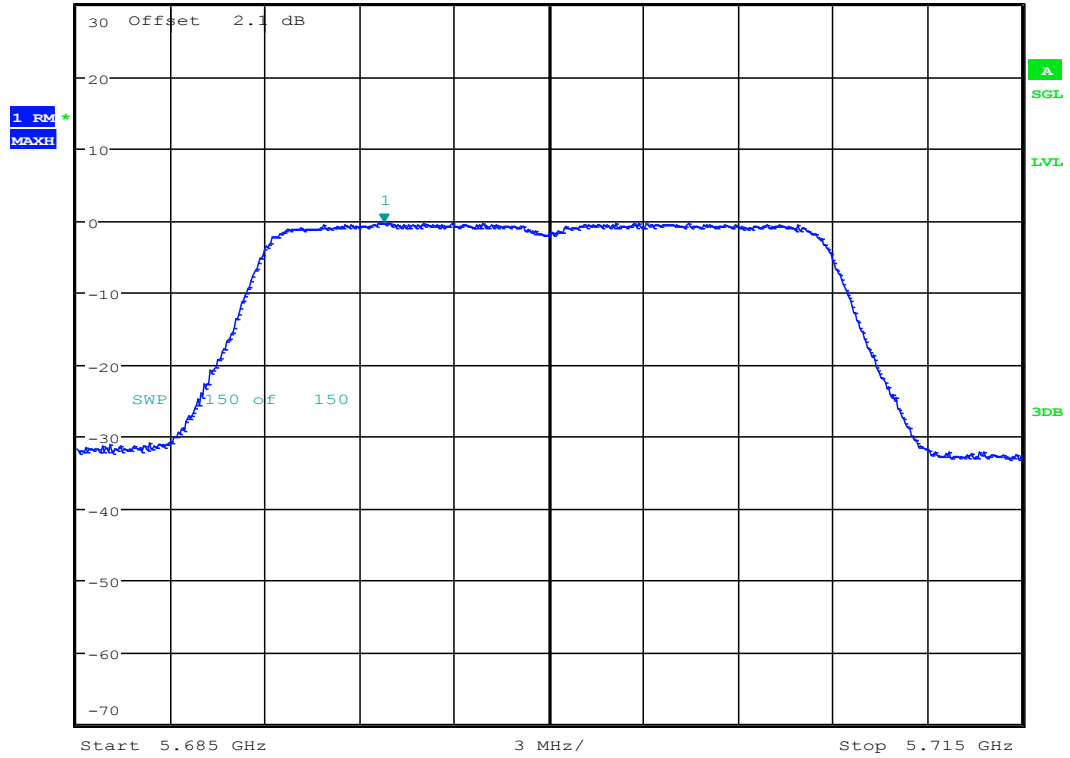
Date: 28.MAR.2018 19:20:32



### 11.124 11AC20MIMO\_140 ANT 2



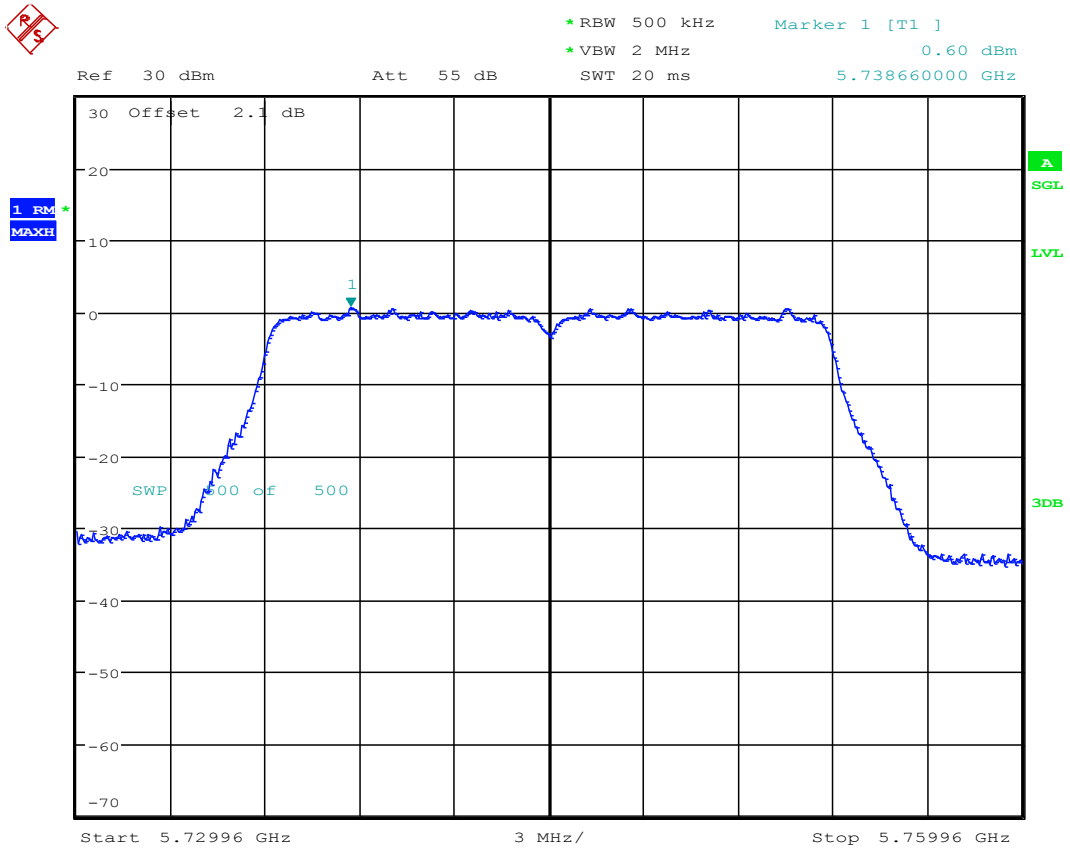
\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -0.29 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.694750000 GHz



Date: 29.MAR.2018 18:58:15



### 11.125 11AC20MIMO\_149 ANT 1



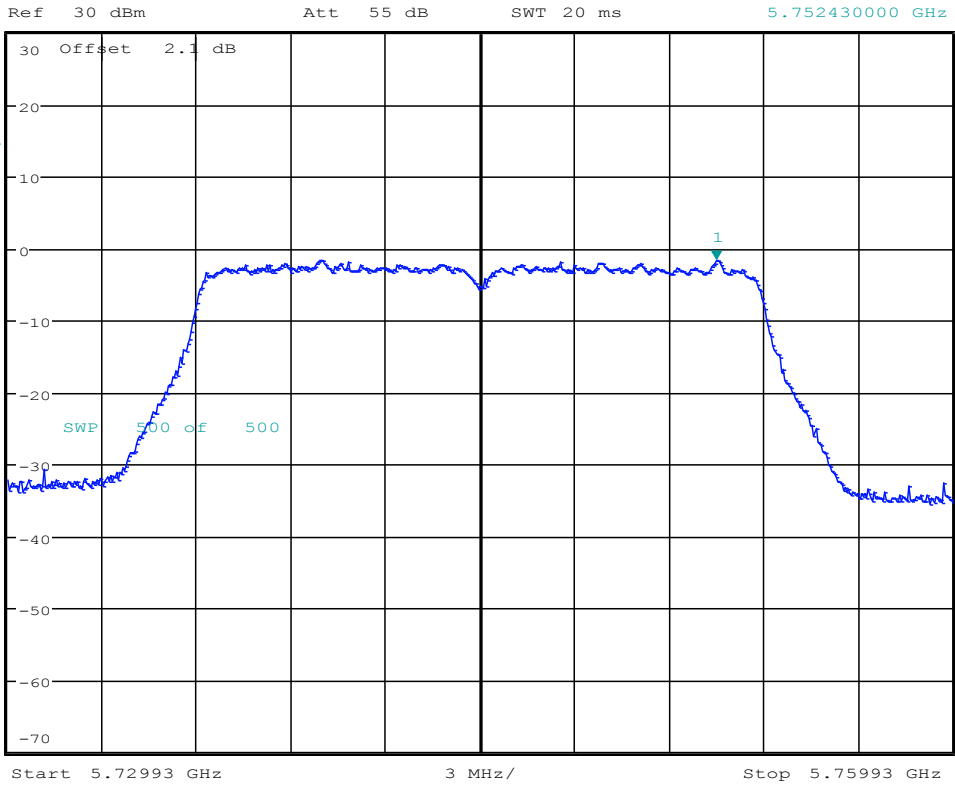
Date: 28.MAR.2018 19:26:11



### 11.126 11AC20MIMO\_149 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -1.59 dBm  
 SWT 20 ms      5.752430000 GHz



Date: 29.MAR.2018 19:04:13

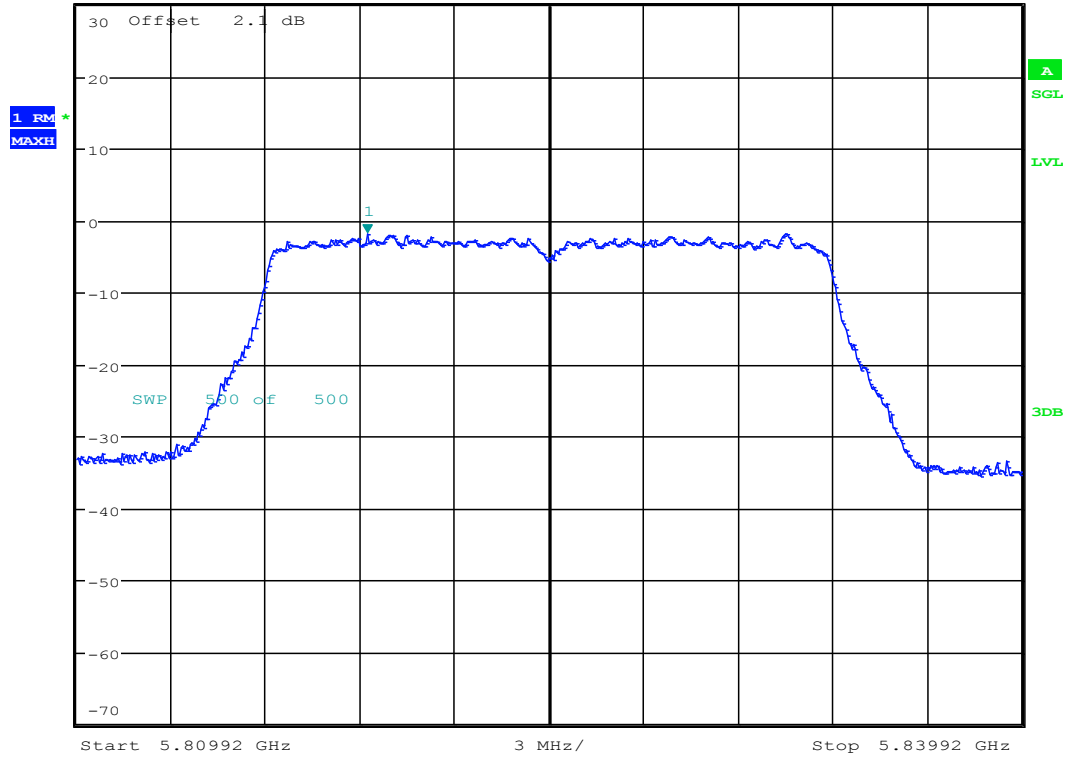




### 11.128 11AC20MIMO\_165 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -1.76 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.819170000 GHz



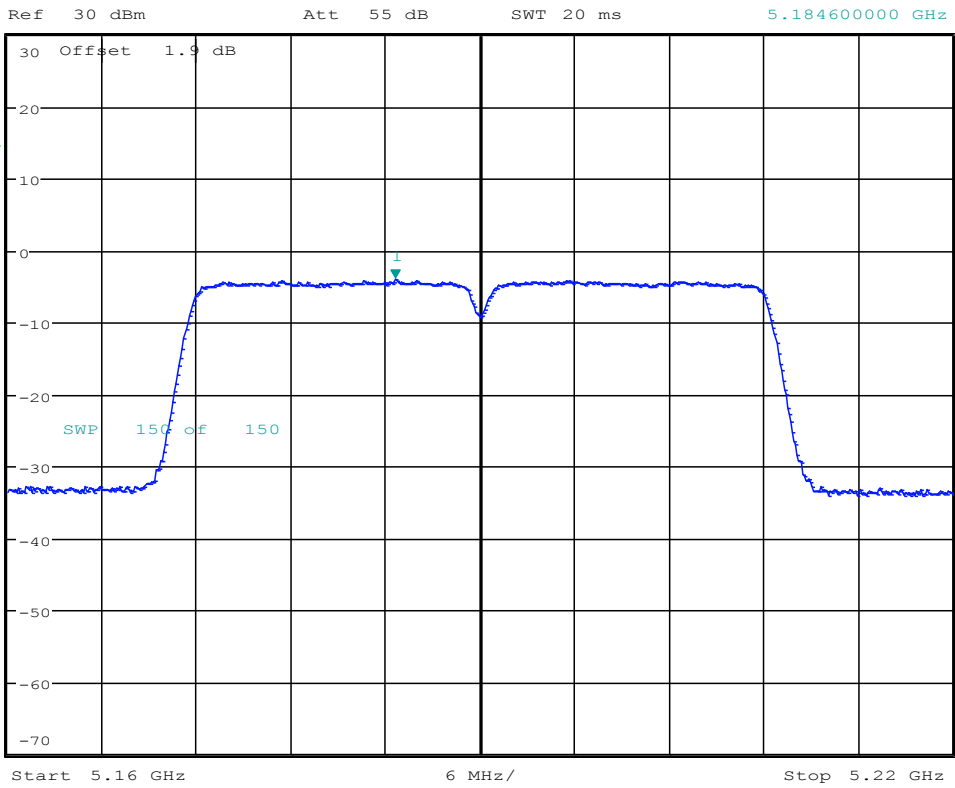
Date: 29.MAR.2018 19:07:12



### 11.129 11AC40\_38 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -4.03 dBm  
SWT 20 ms      5.184600000 GHz



Date: 28.MAR.2018 16:48:25

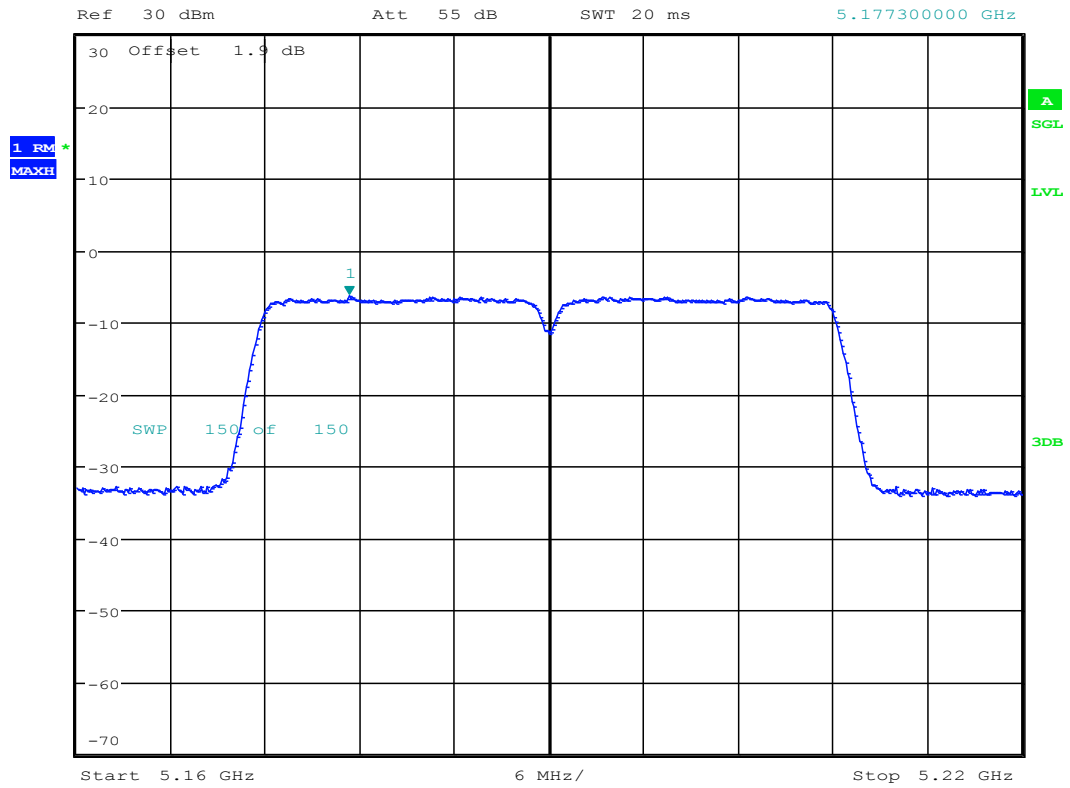




### 11.130 11AC40\_38 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -6.30 dBm  
SWT 20 ms      5.177300000 GHz



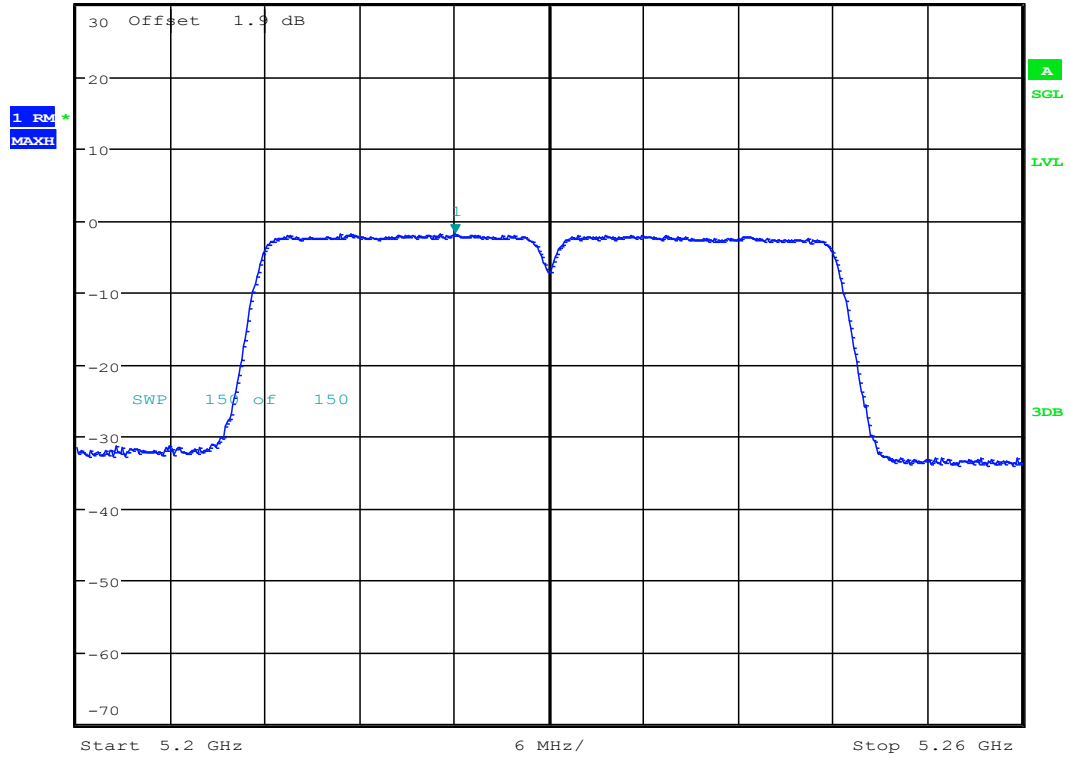
Date: 29.MAR.2018 15:39:44



### 11.131 11AC40\_46 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -1.78 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.224000000 GHz



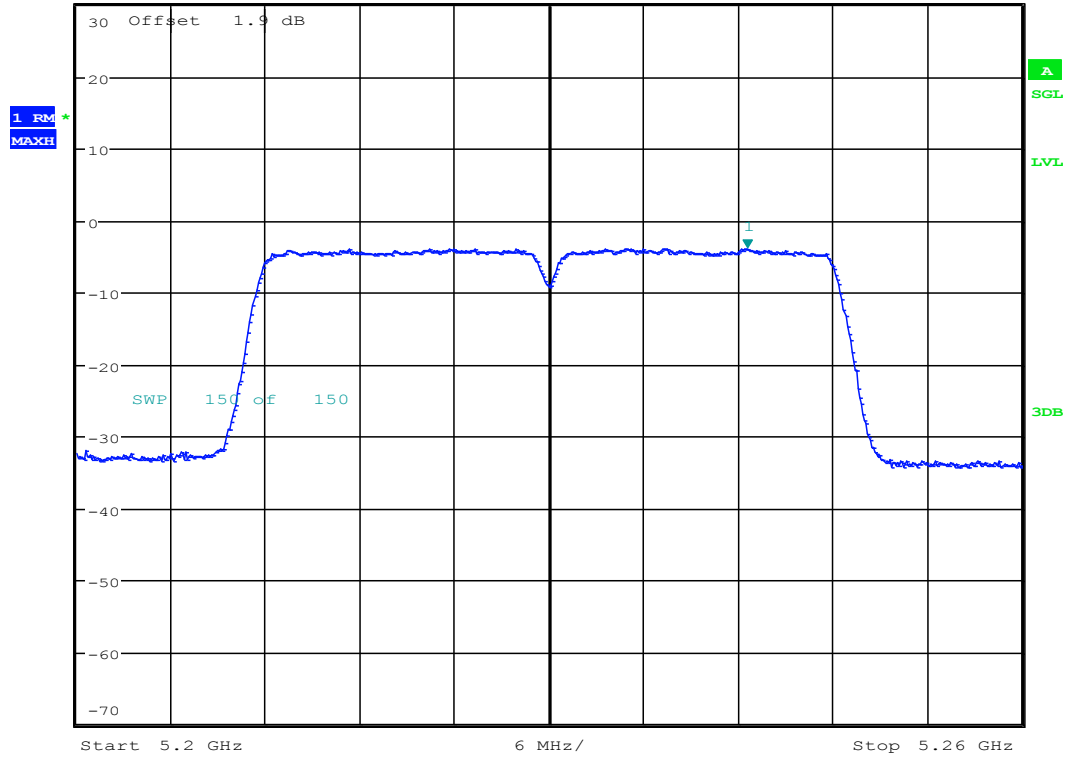
Date: 28.MAR.2018 16:51:37



### 11.132 11AC40\_46 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -3.83 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.242600000 GHz



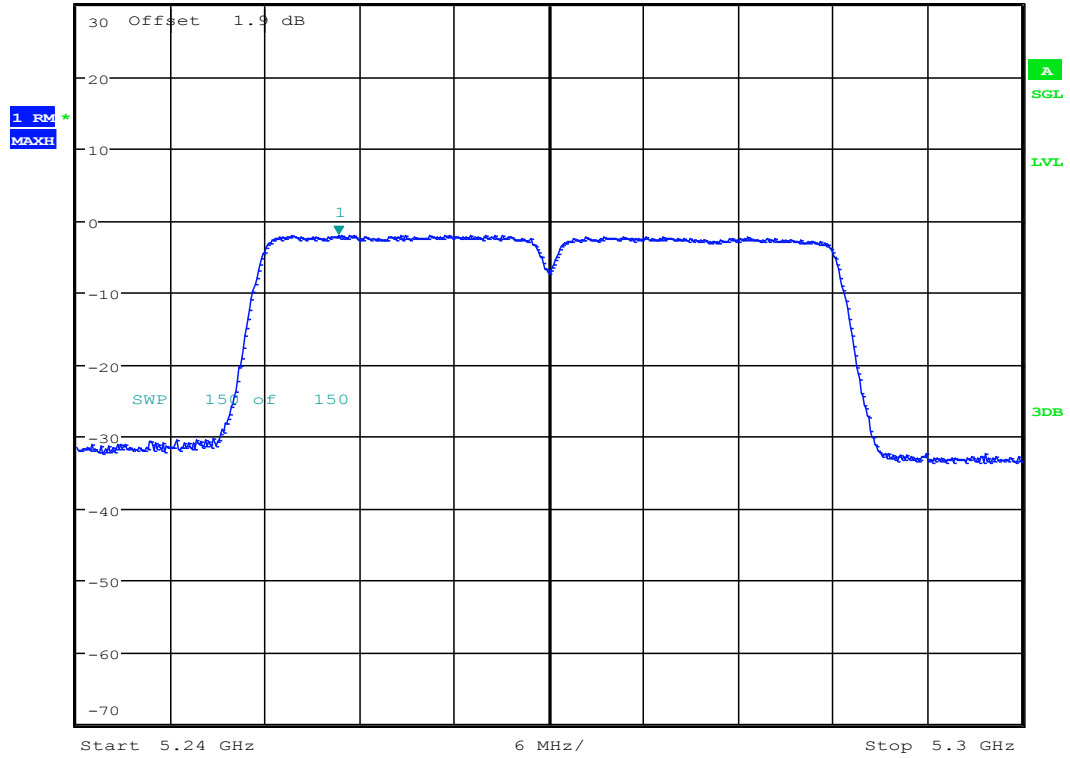
Date: 29.MAR.2018 15:43:20



### 11.133 11AC40\_54 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -2.01 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.256600000 GHz



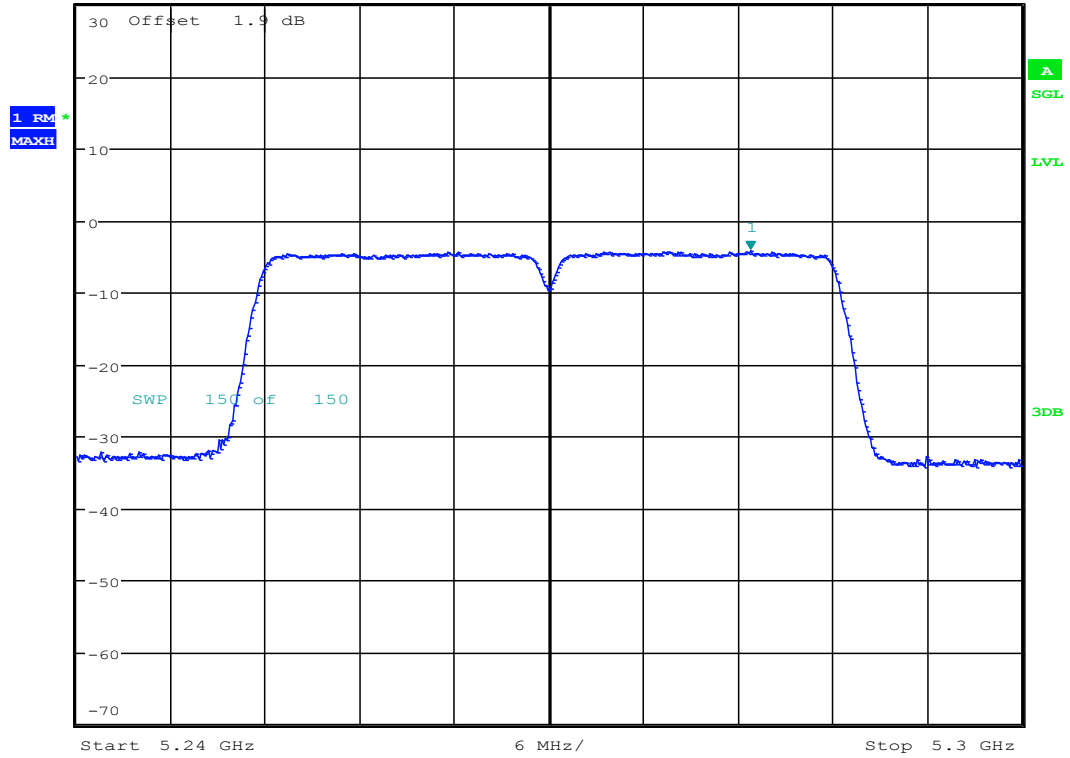
Date: 28.MAR.2018 16:54:20



### 11.134 11AC40\_54 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -4.14 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.282800000 GHz



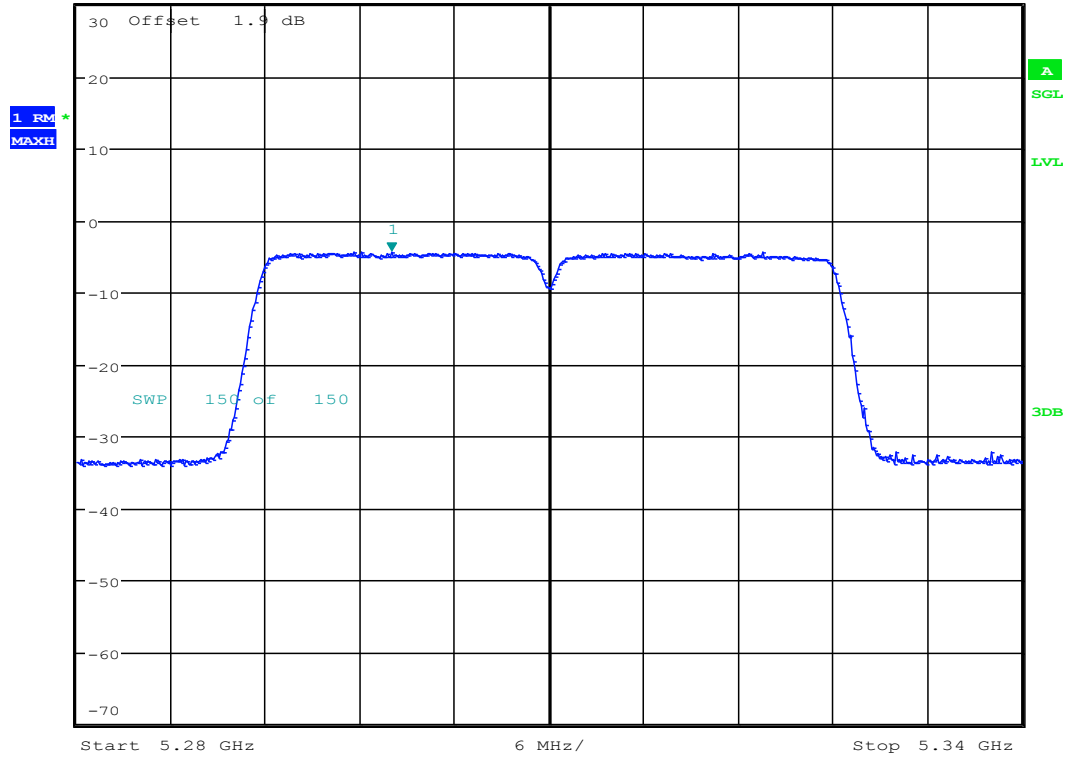
Date: 29.MAR.2018 15:48:12



### 11.135 11AC40\_62 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -4.31 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.300000000 GHz



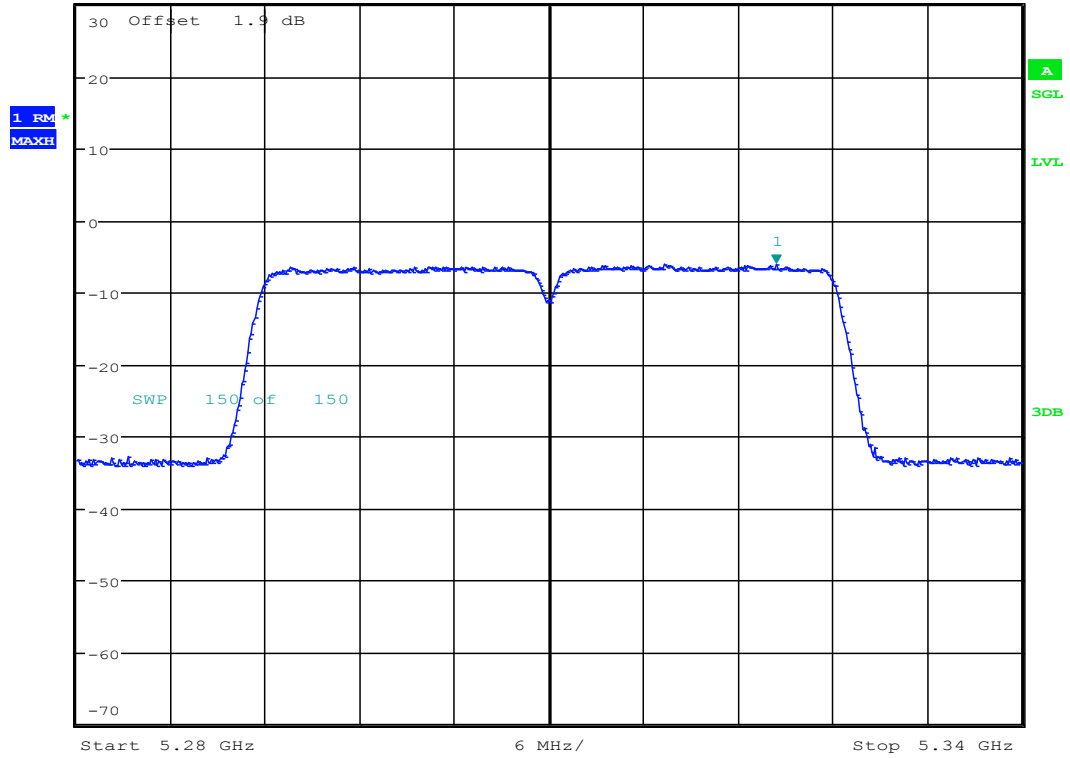
Date: 28.MAR.2018 16:56:48



### 11.136 11AC40\_62 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -6.10 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.324400000 GHz



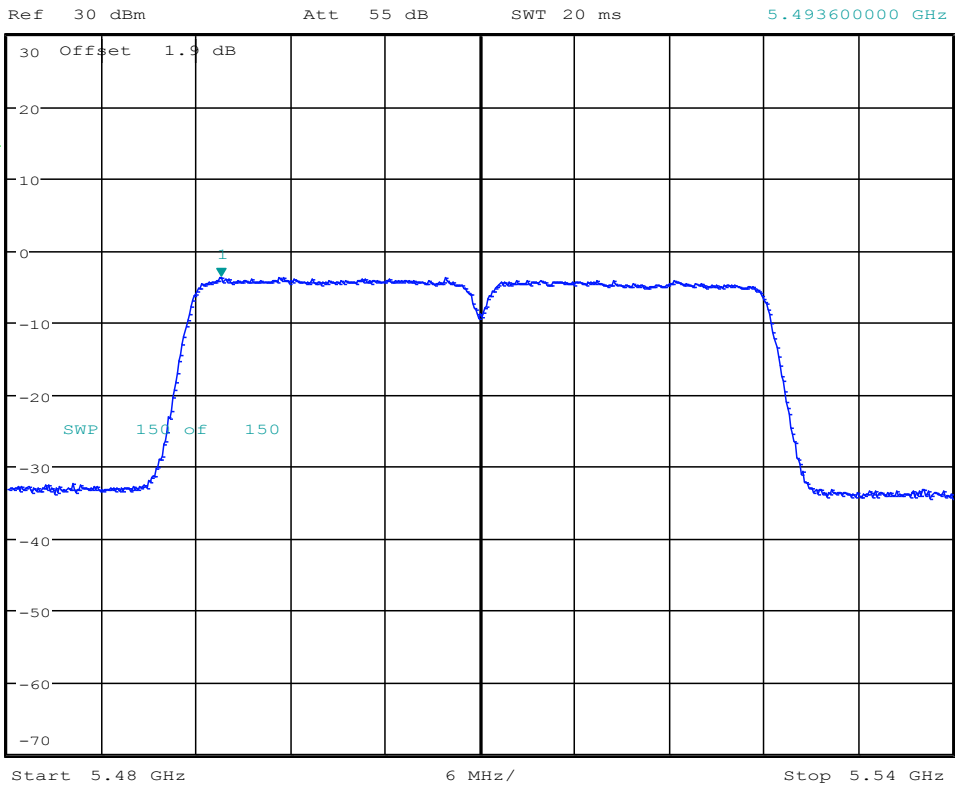
Date: 29.MAR.2018 15:51:43



### 11.137 11AC40\_102 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -3.64 dBm  
SWT 20 ms      5.493600000 GHz



Date: 28.MAR.2018 17:00:00

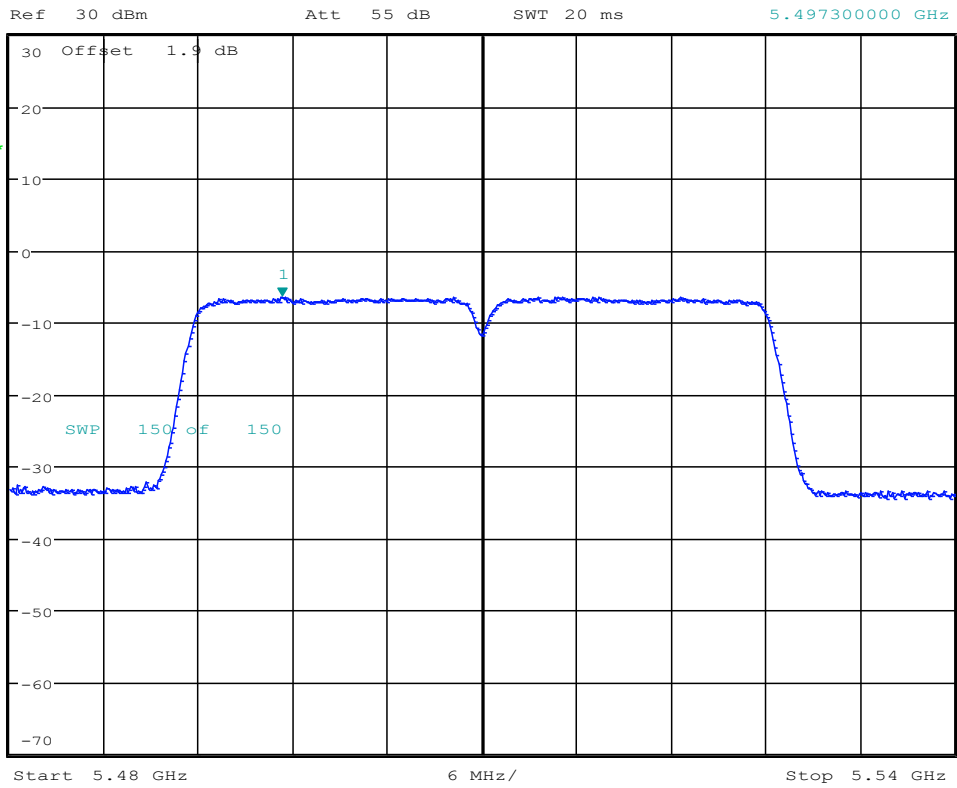




### 11.138 11AC40\_102 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -6.35 dBm  
SWT 20 ms      5.497300000 GHz



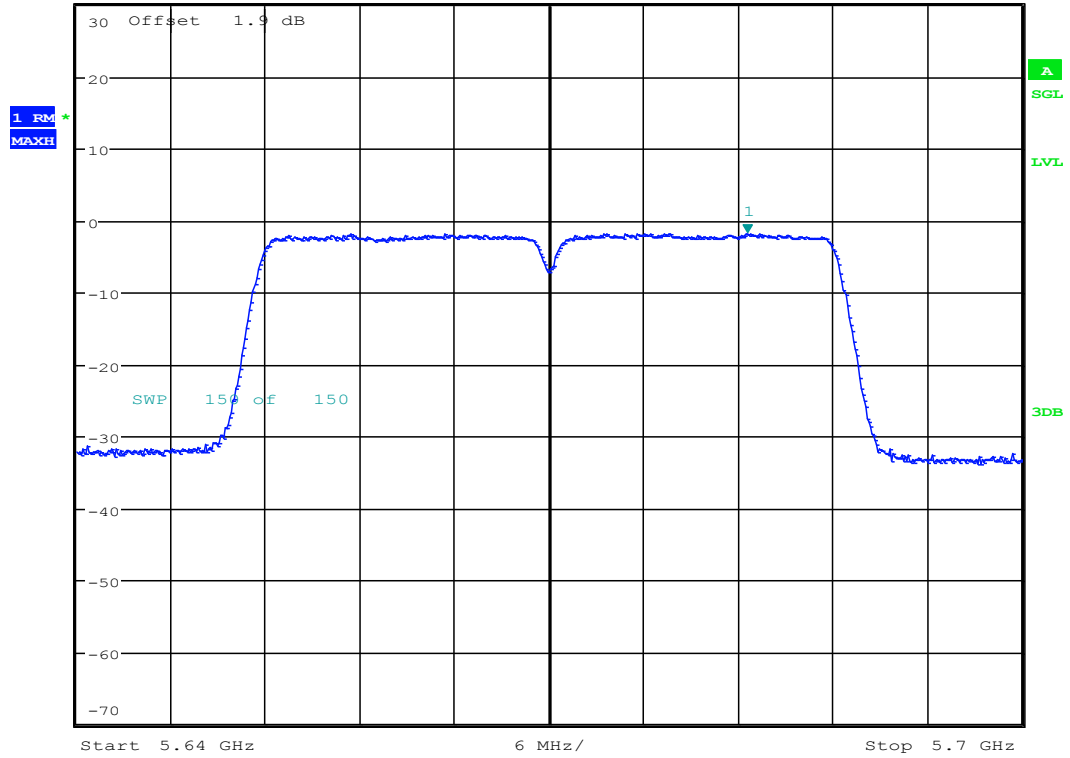
Date: 29.MAR.2018 15:55:56



### 11.139 11AC40\_134 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -1.73 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.682600000 GHz



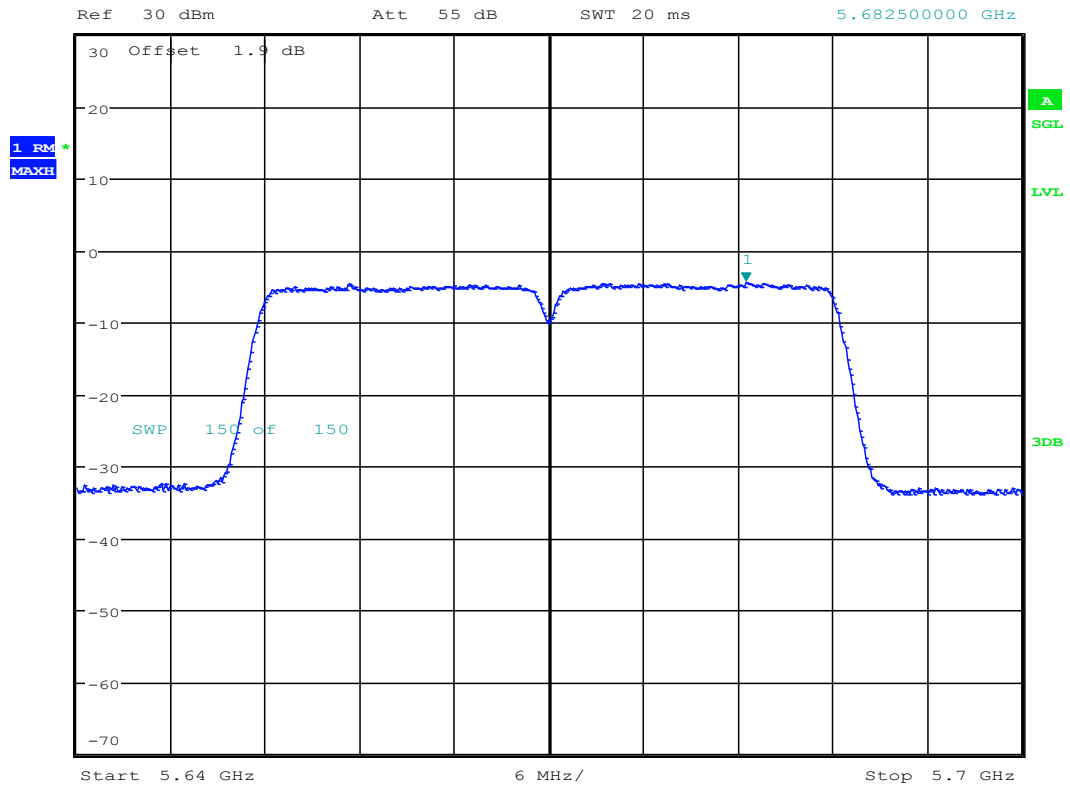
Date: 28.MAR.2018 17:04:30



### 11.140 11AC40\_134 ANT 2



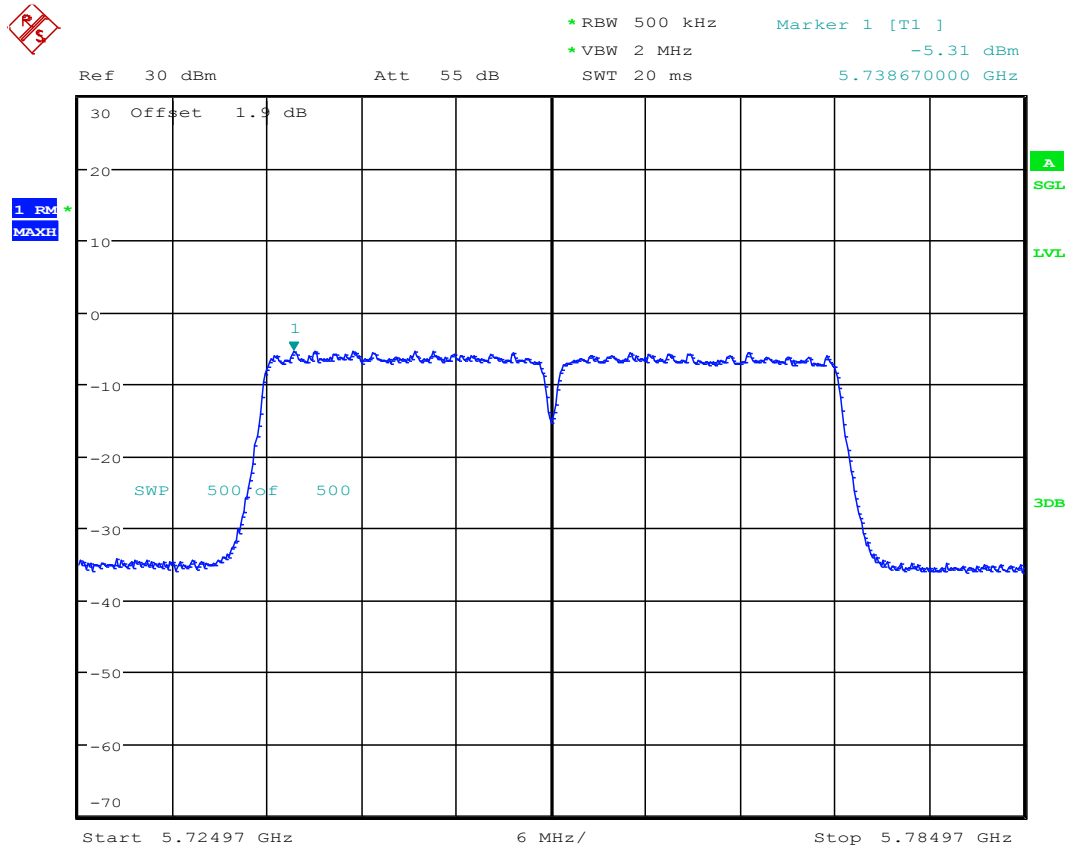
\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -4.43 dBm  
SWT 20 ms      5.682500000 GHz



Date: 29.MAR.2018 15:59:52



### 11.141 11AC40\_151 ANT 1



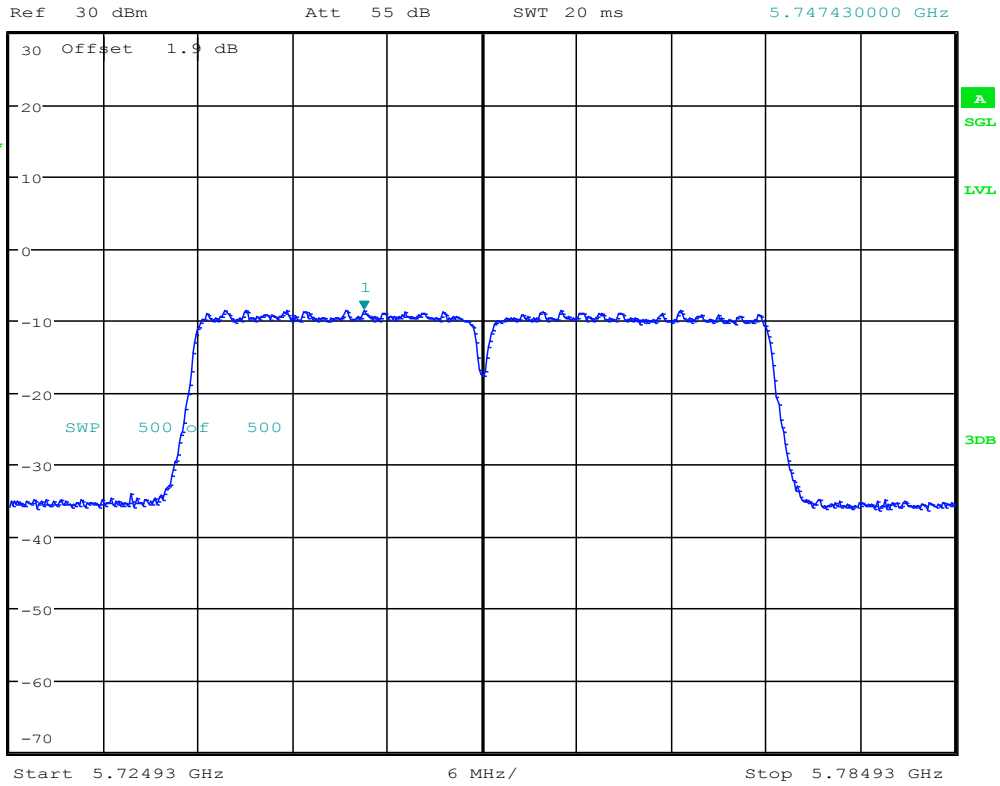
Date: 28.MAR.2018 17:10:17



### 11.142 11AC40\_151 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
\*VBW 2 MHz                      -8.50 dBm  
SWT 20 ms                      5.747430000 GHz



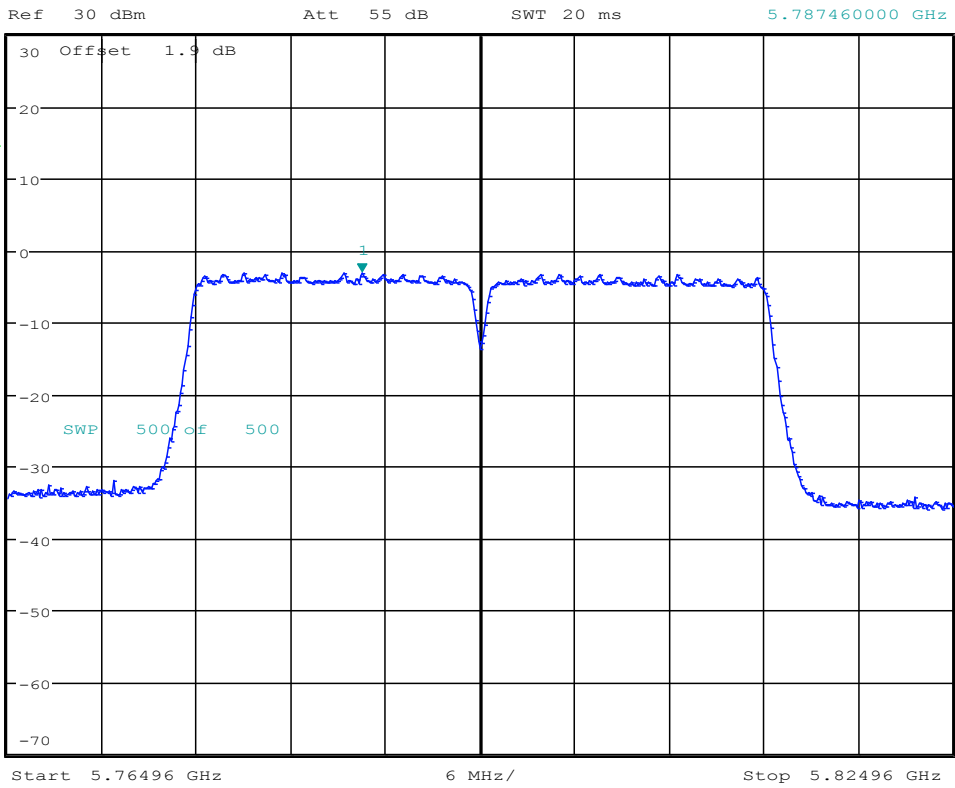
Date: 29.MAR.2018 16:08:32



### 11.143 11AC40\_159 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -3.04 dBm  
 SWT 20 ms      5.787460000 GHz

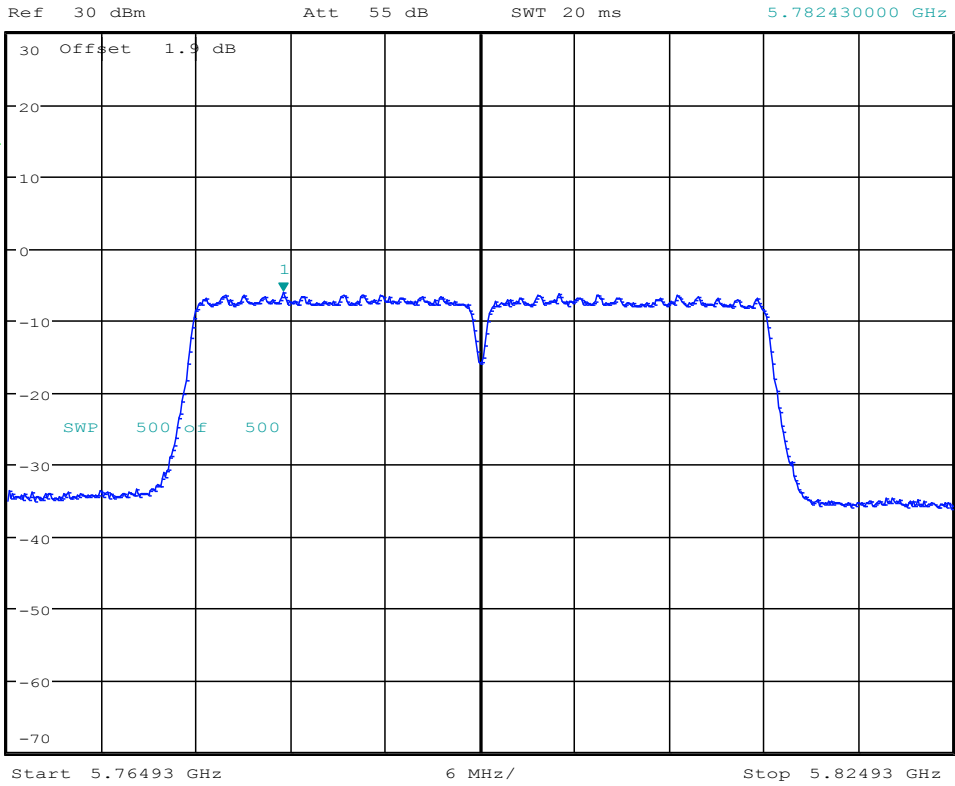


Date: 28.MAR.2018 17:13:42

### 11.144 11AC40\_159 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
\*VBW 2 MHz      -6.13 dBm  
SWT 20 ms      5.782430000 GHz



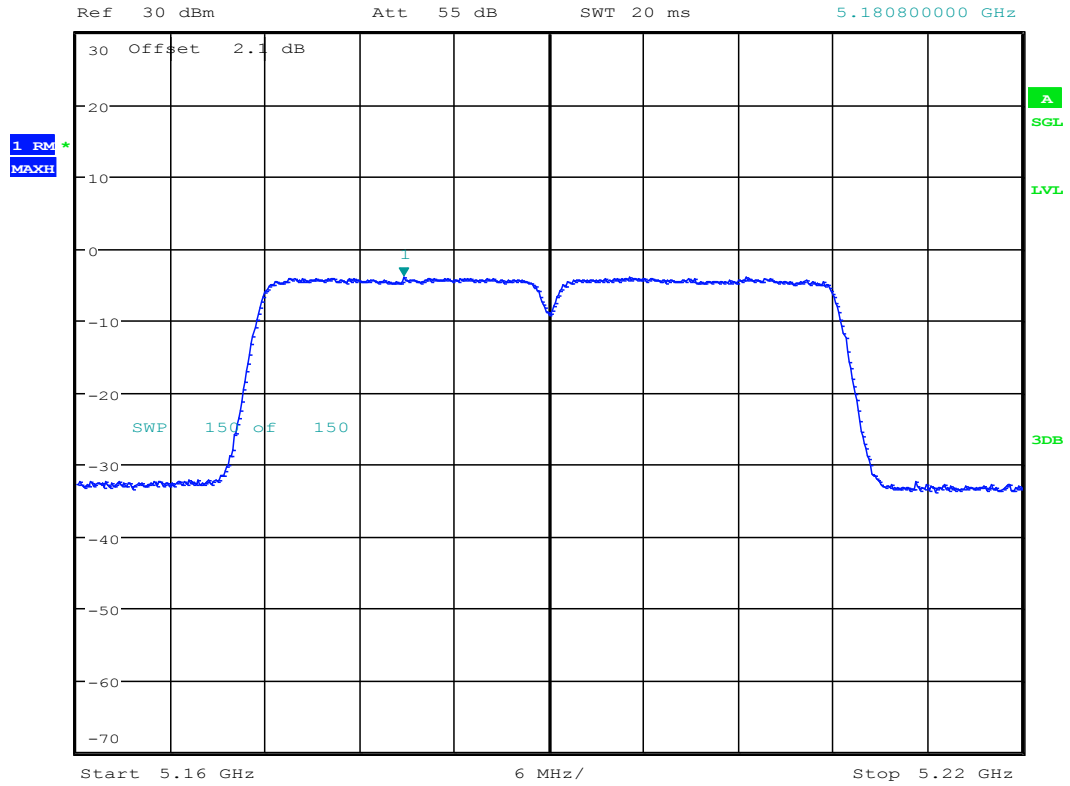
Date: 29.MAR.2018 16:12:16



### 11.145 11AC40MIMO\_38 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -3.90 dBm  
SWT 20 ms      5.180800000 GHz



Date: 28.MAR.2018 19:32:53

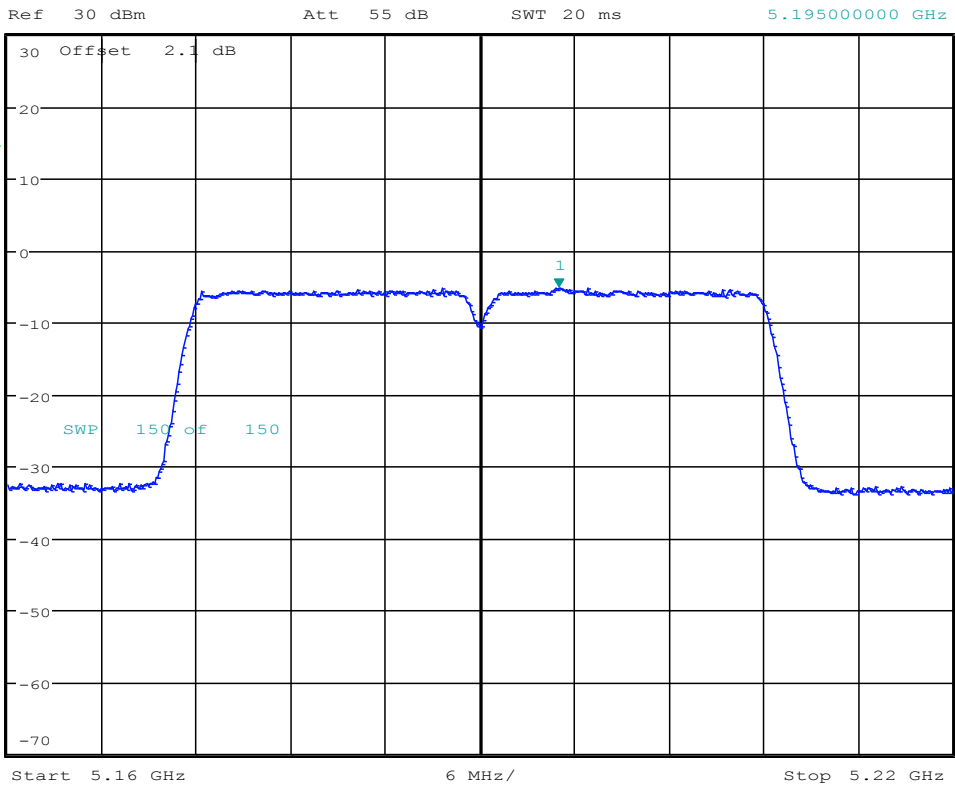




### 11.146 11AC40MIMO\_38 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -5.10 dBm  
SWT 20 ms      5.195000000 GHz



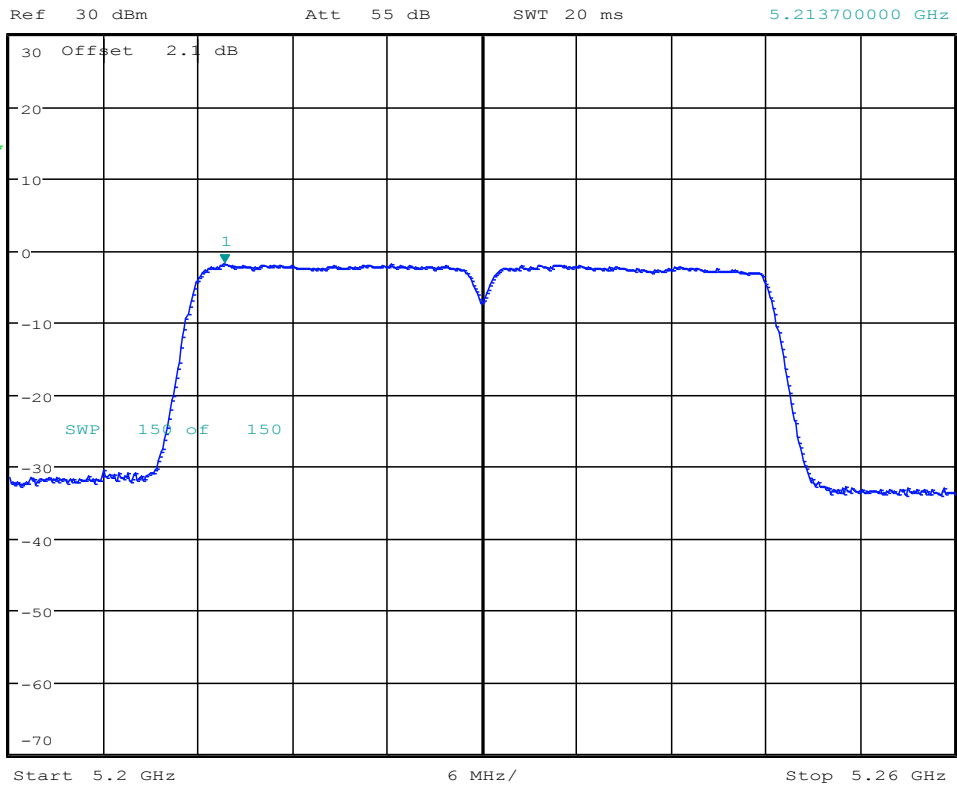
Date: 29.MAR.2018 19:10:21



### 11.147 11AC40MIMO\_46 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -1.79 dBm  
SWT 20 ms      5.213700000 GHz



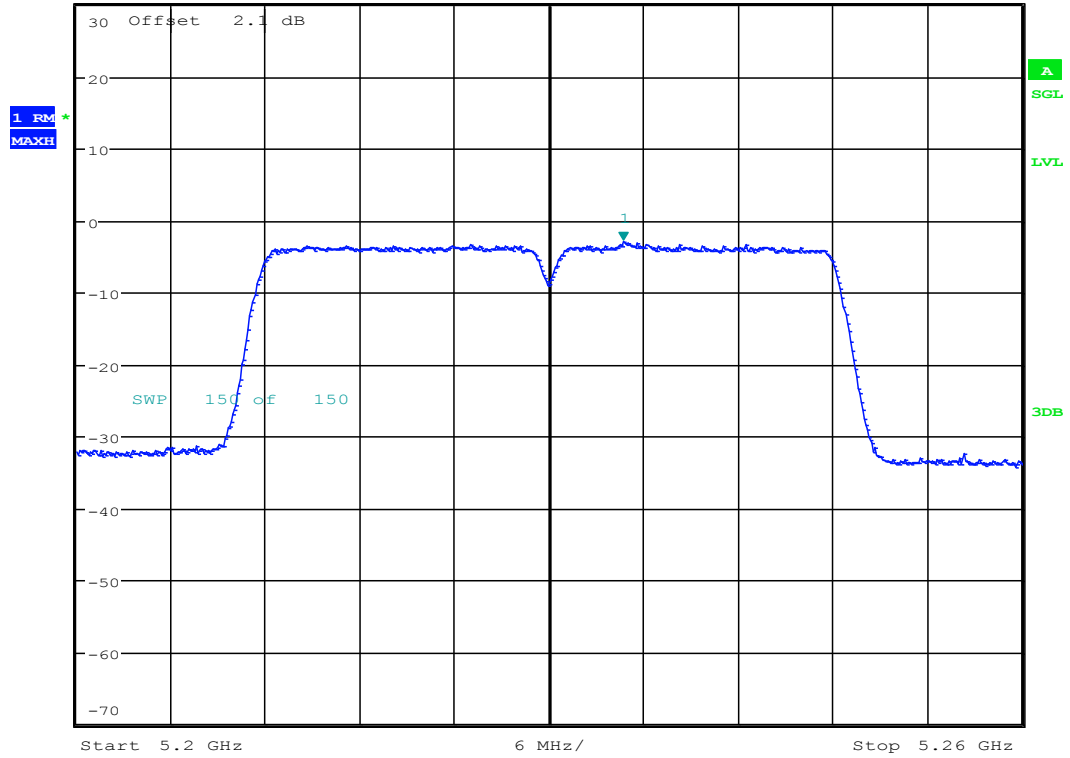
Date: 28.MAR.2018 19:35:28



### 11.148 11AC40MIMO\_46 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -2.90 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.234700000 GHz



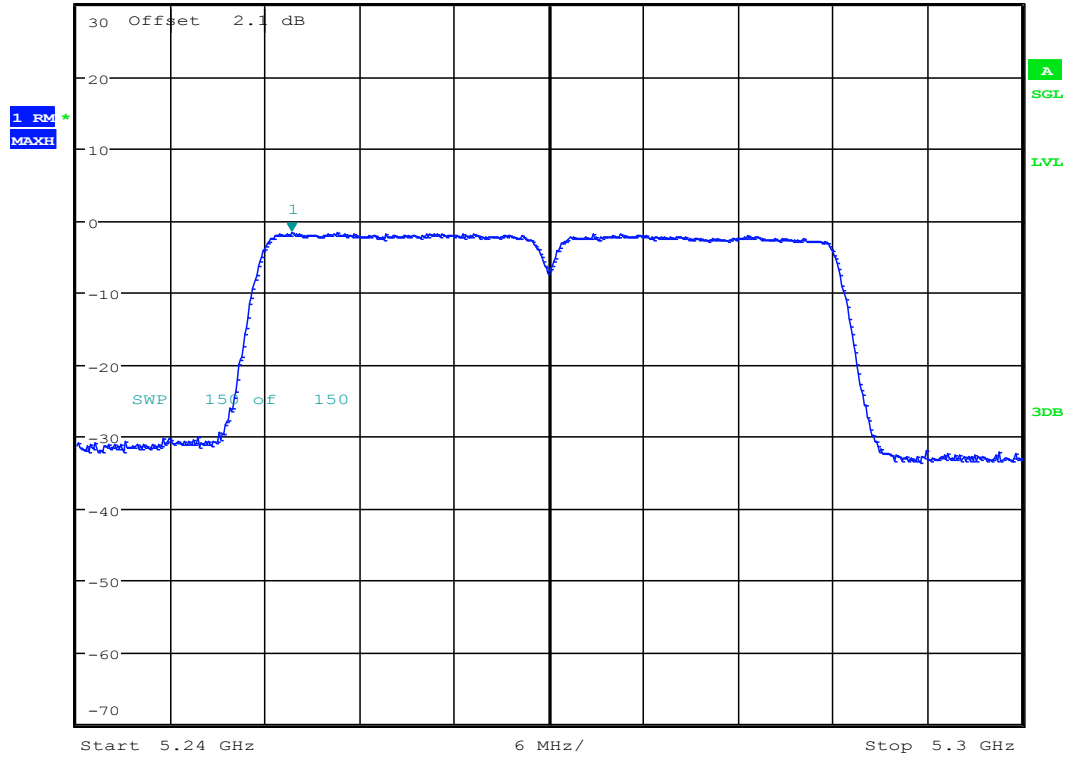
Date: 29.MAR.2018 19:12:56



### 11.149 11AC40MIMO\_54 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -1.61 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.253700000 GHz



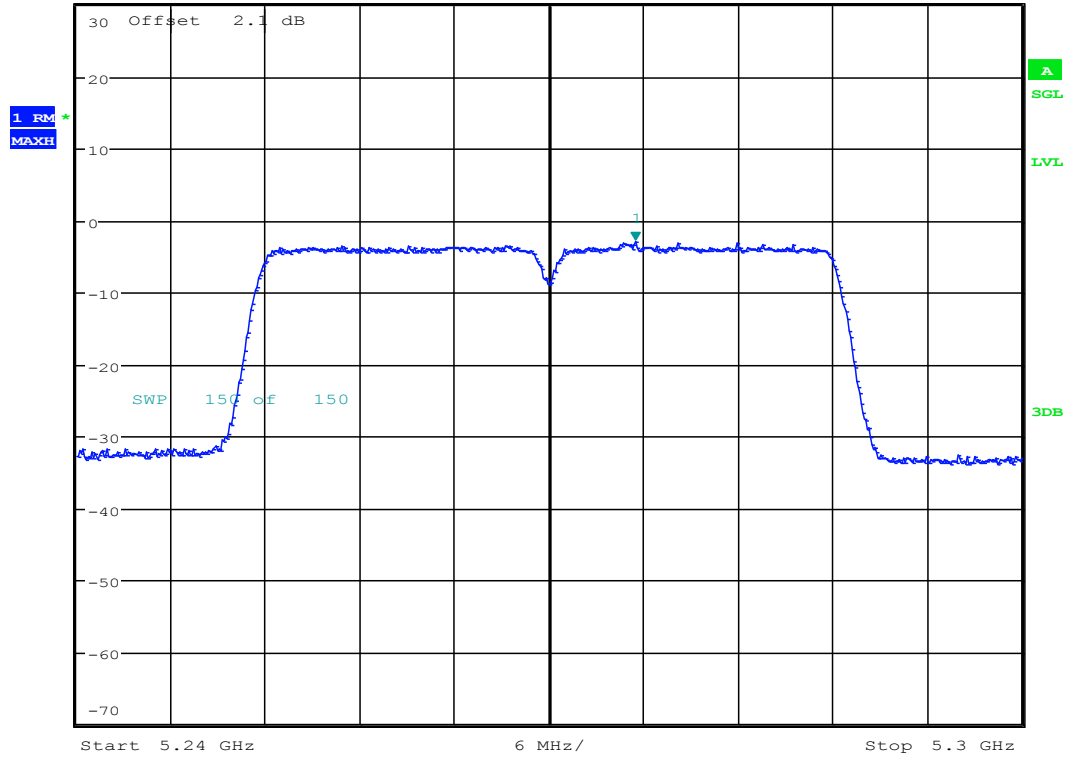
Date: 28.MAR.2018 19:38:14



### 11.150 11AC40MIMO\_54 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -2.97 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.275500000 GHz



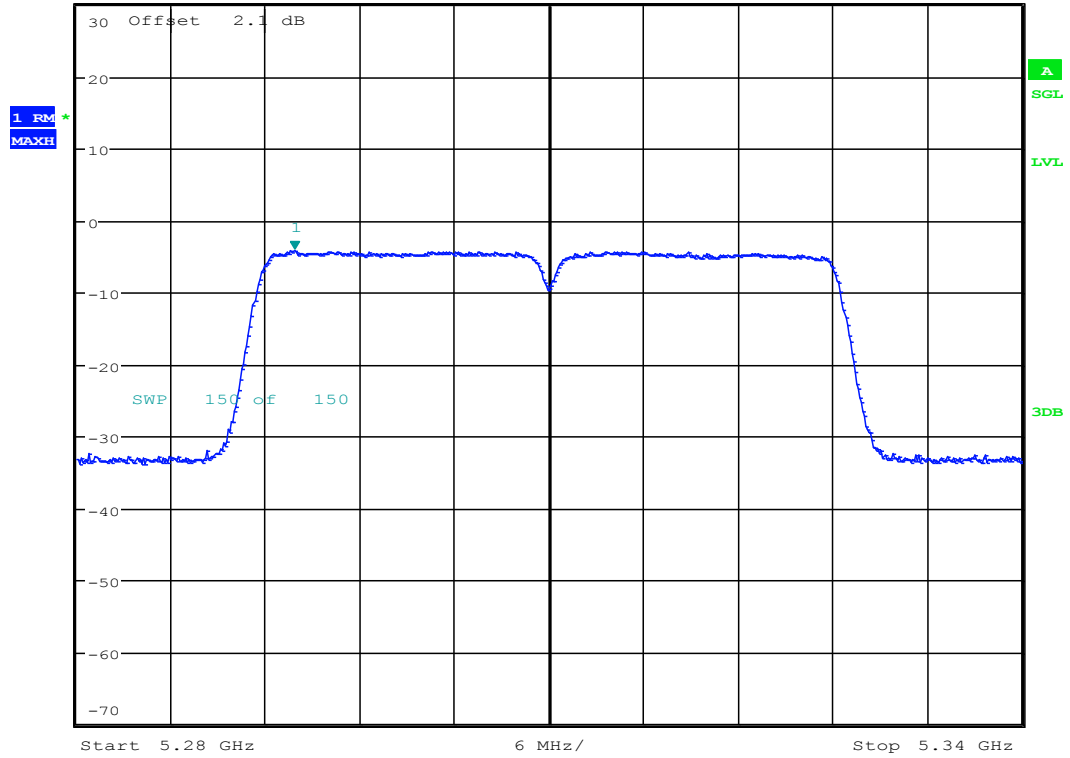
Date: 29.MAR.2018 19:15:35



### 11.151 11AC40MIMO\_62 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -4.08 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.293800000 GHz



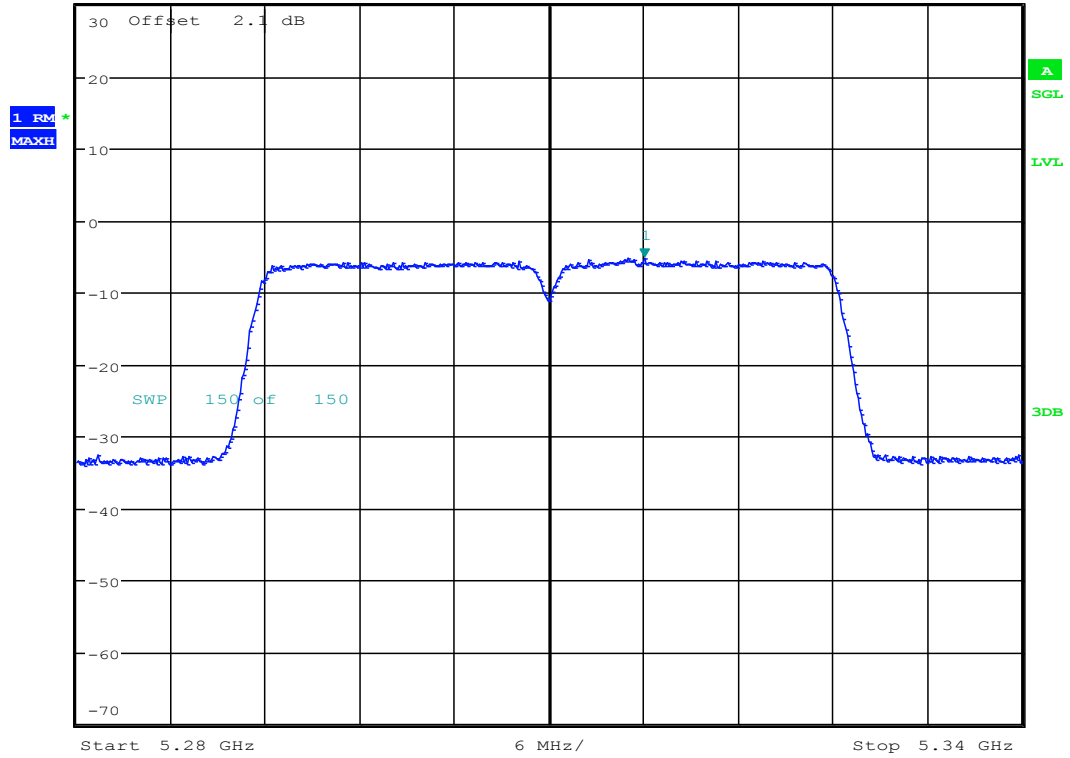
Date: 28.MAR.2018 19:40:37



### 11.152 11AC40MIMO\_62 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -5.11 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.316100000 GHz



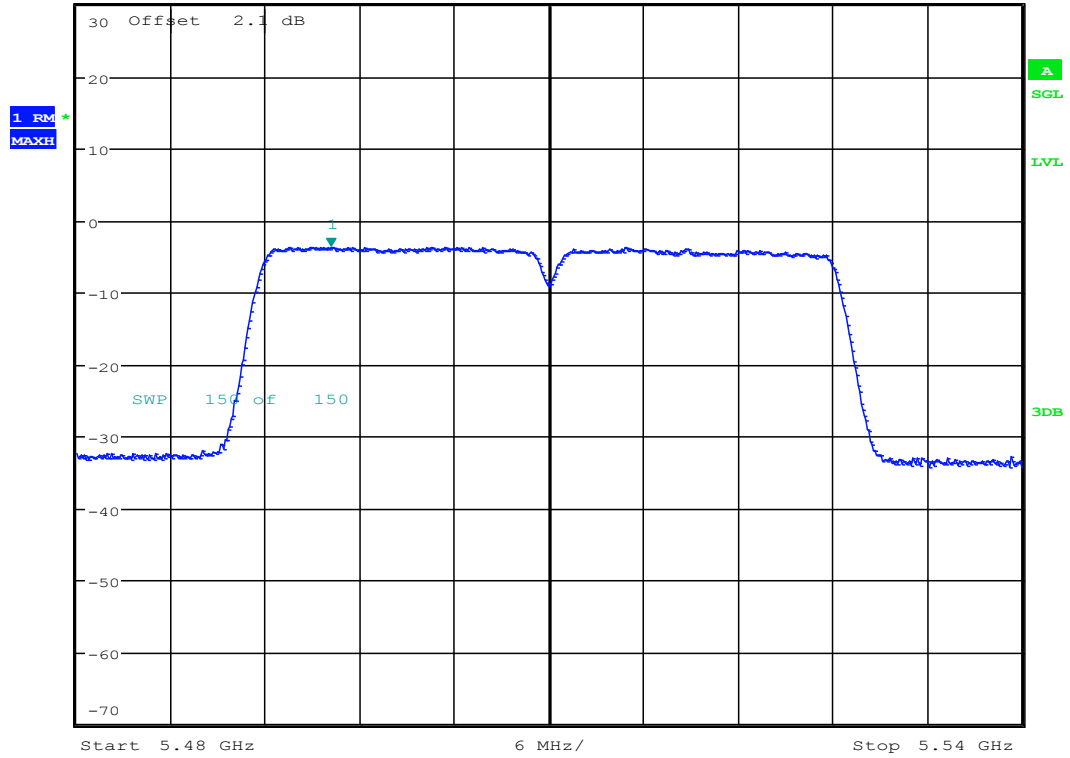
Date: 29.MAR.2018 19:18:02



### 11.153 11AC40MIMO\_102 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -3.62 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.496200000 GHz



Date: 28.MAR.2018 19:43:14

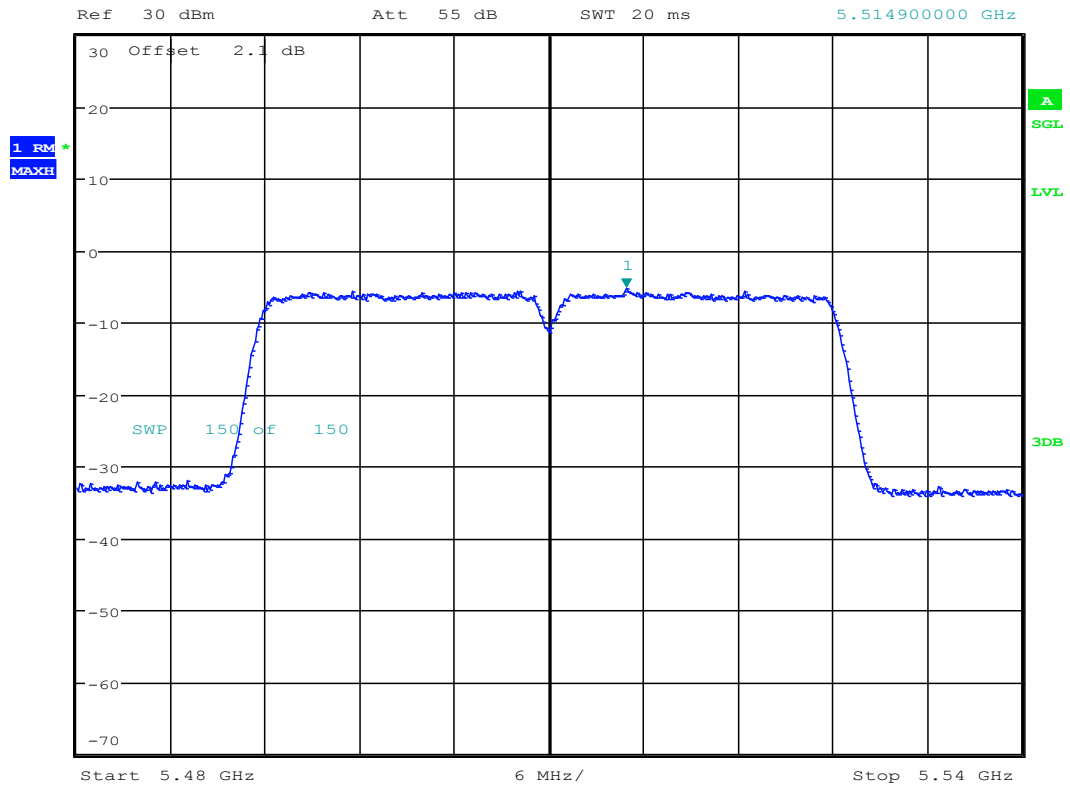




### 11.154 11AC40MIMO\_102 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -5.15 dBm  
SWT 20 ms      5.514900000 GHz



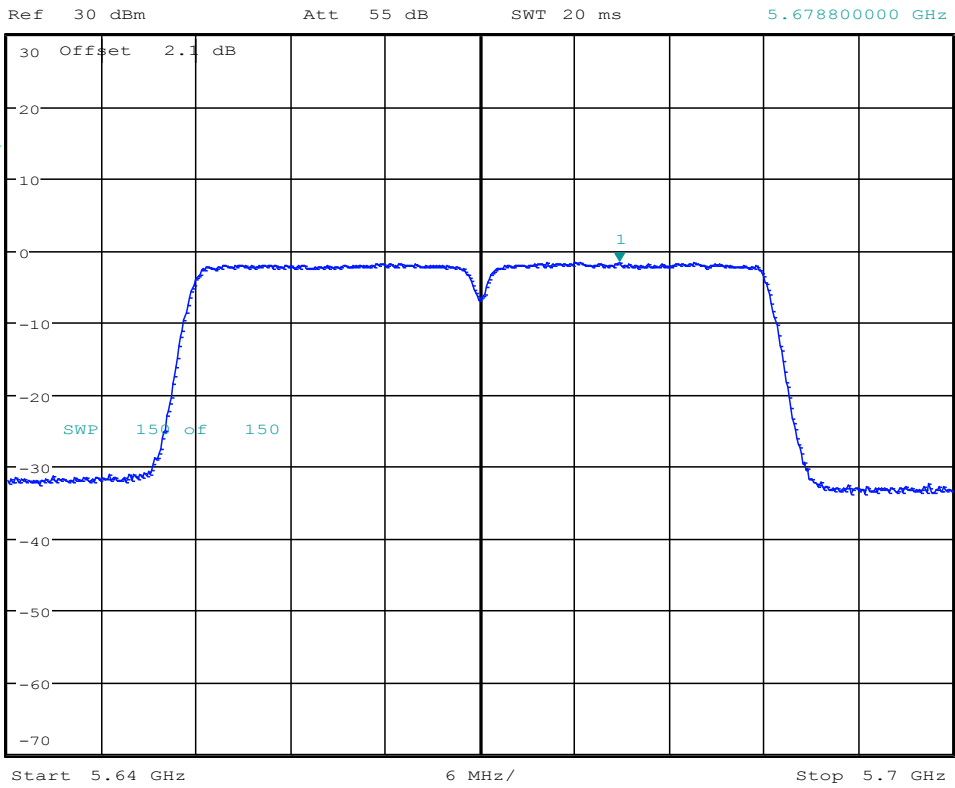
Date: 29.MAR.2018 19:20:43



### 11.155 11AC40MIMO\_134 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -1.64 dBm  
SWT 20 ms      5.678800000 GHz



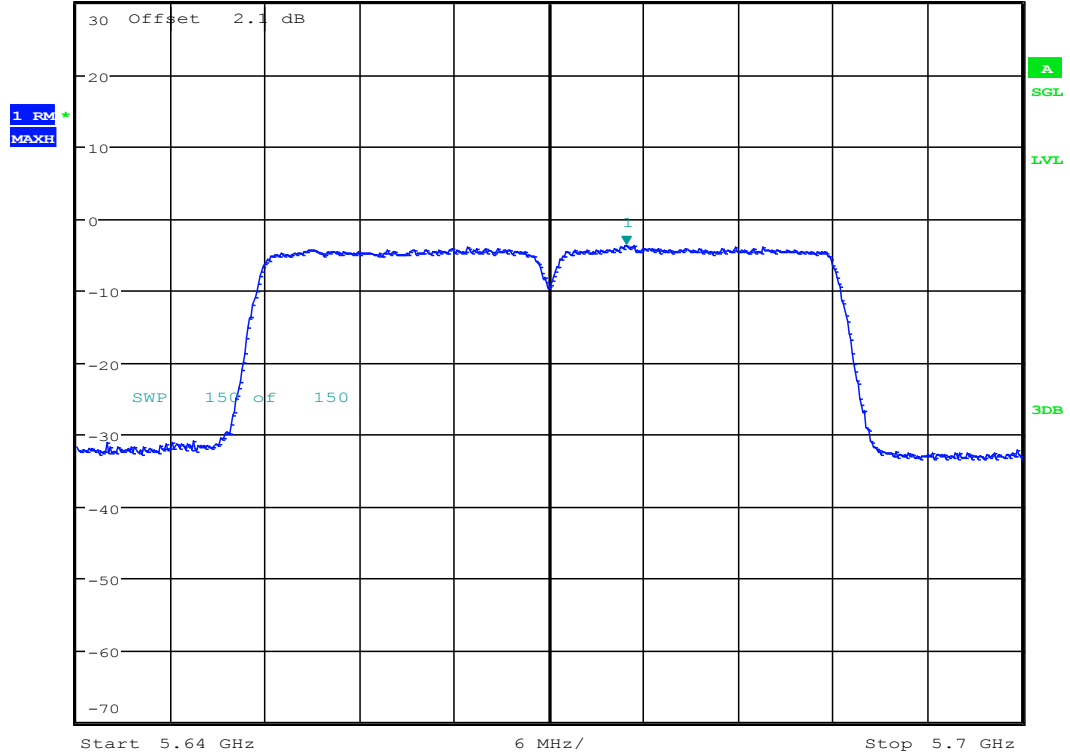
Date: 28.MAR.2018 19:45:38



### 11.156 11AC40MIMO\_134 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -3.64 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.674900000 GHz



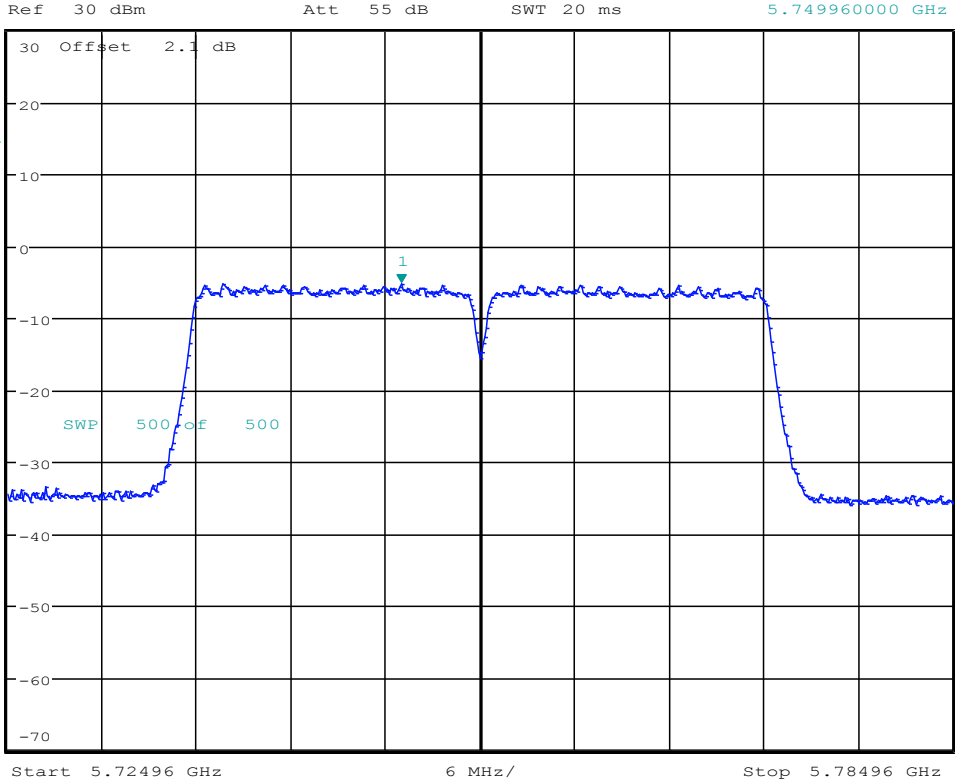
Date: 29.MAR.2018 19:23:33



### 11.157 11AC40MIMO\_151 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -5.17 dBm  
 SWT 20 ms      5.749960000 GHz



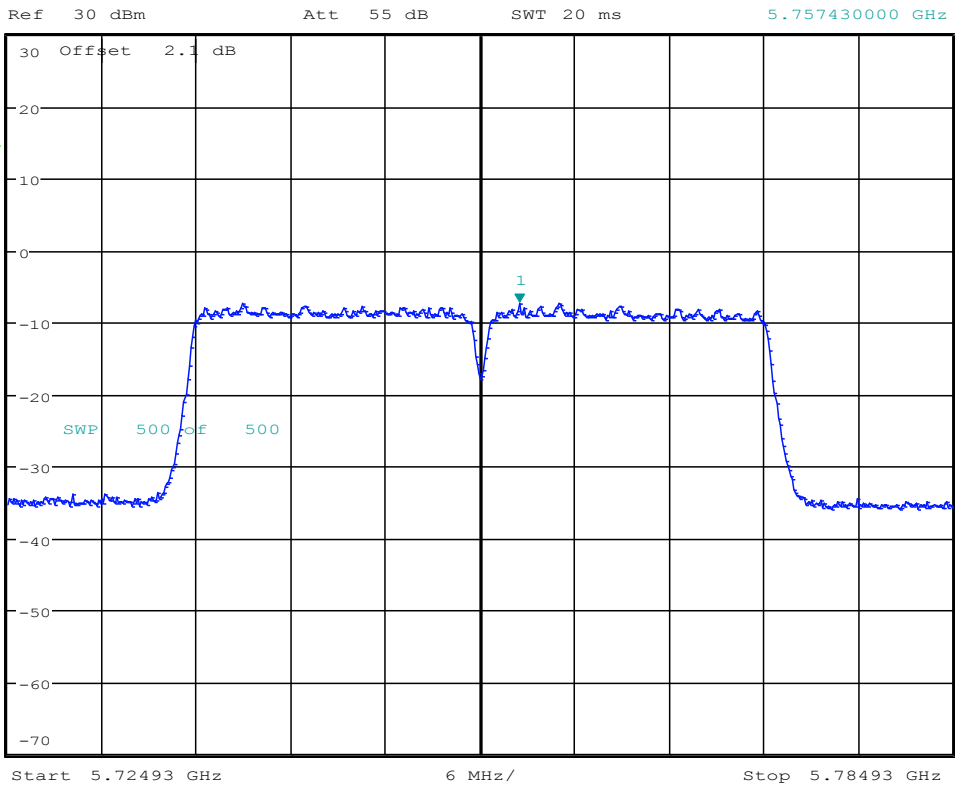
Date: 28.MAR.2018 19:51:38



### 11.158 11AC40MIMO\_151 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -7.33 dBm  
 SWT 20 ms      5.757430000 GHz



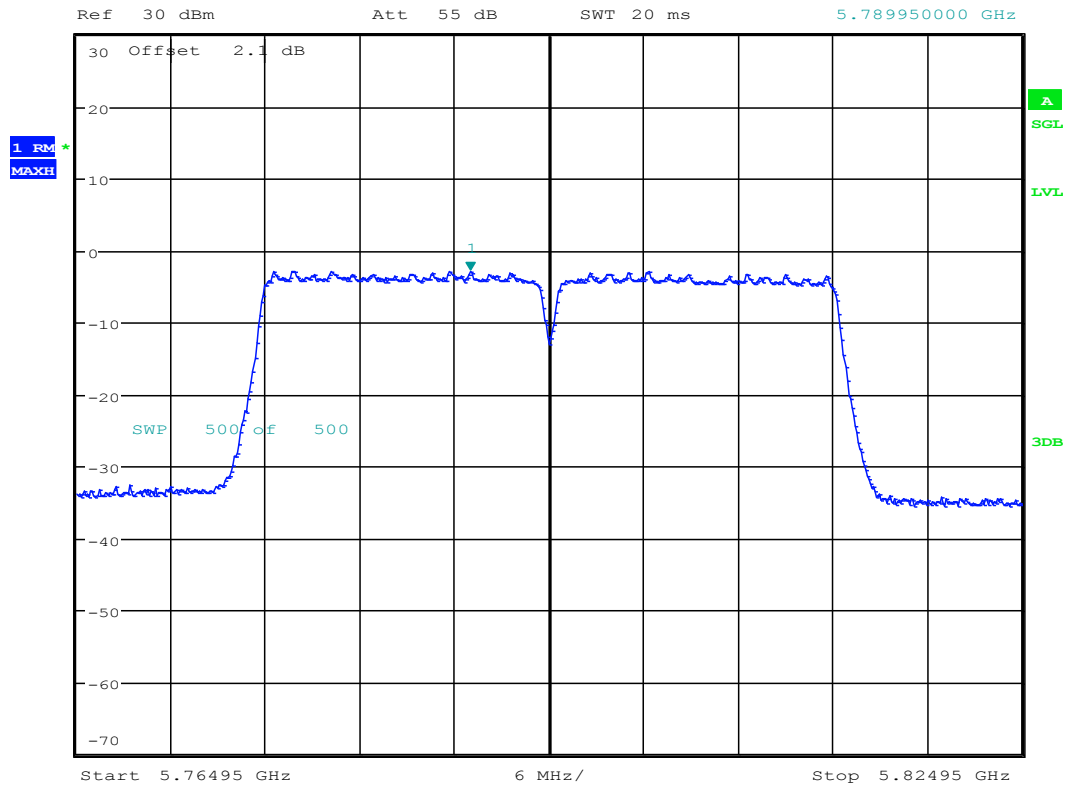
Date: 29.MAR.2018 19:29:25



### 11.159 11AC40MIMO\_159 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
\*VBW 2 MHz      -2.82 dBm  
SWT 20 ms      5.789950000 GHz



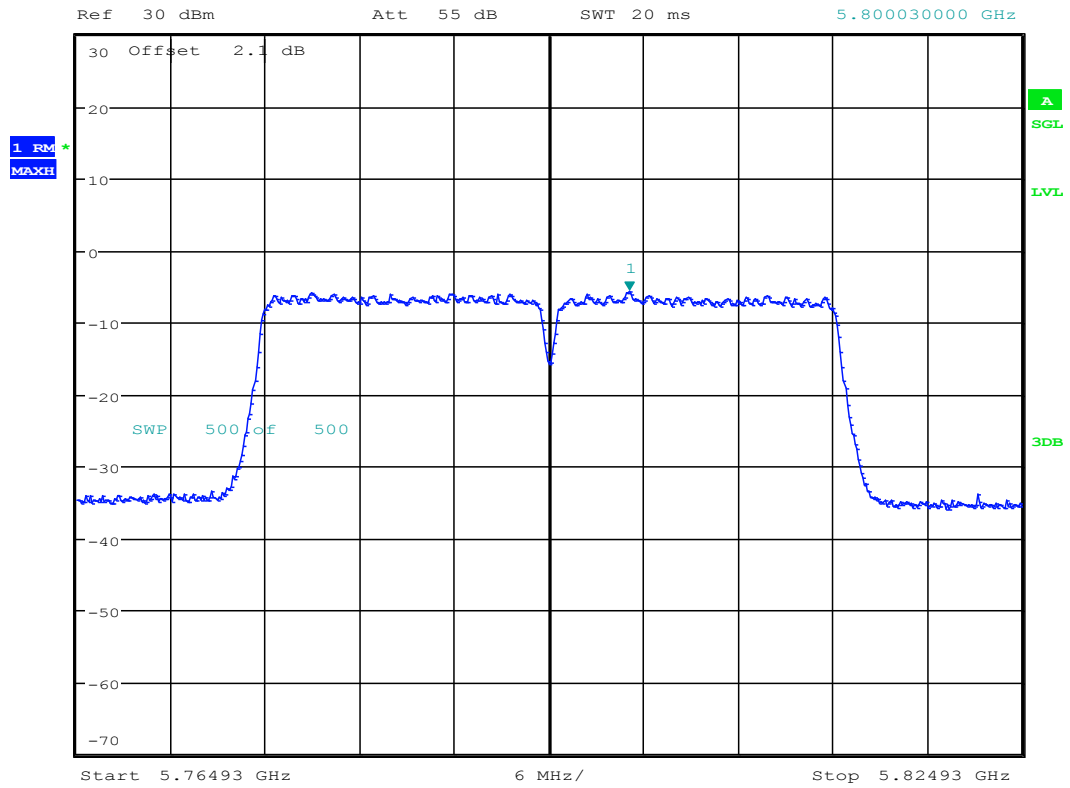
Date: 28.MAR.2018 19:54:38



### 11.160 11AC40MIMO\_159 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
\*VBW 2 MHz                      -5.65 dBm  
SWT 20 ms                      5.800030000 GHz



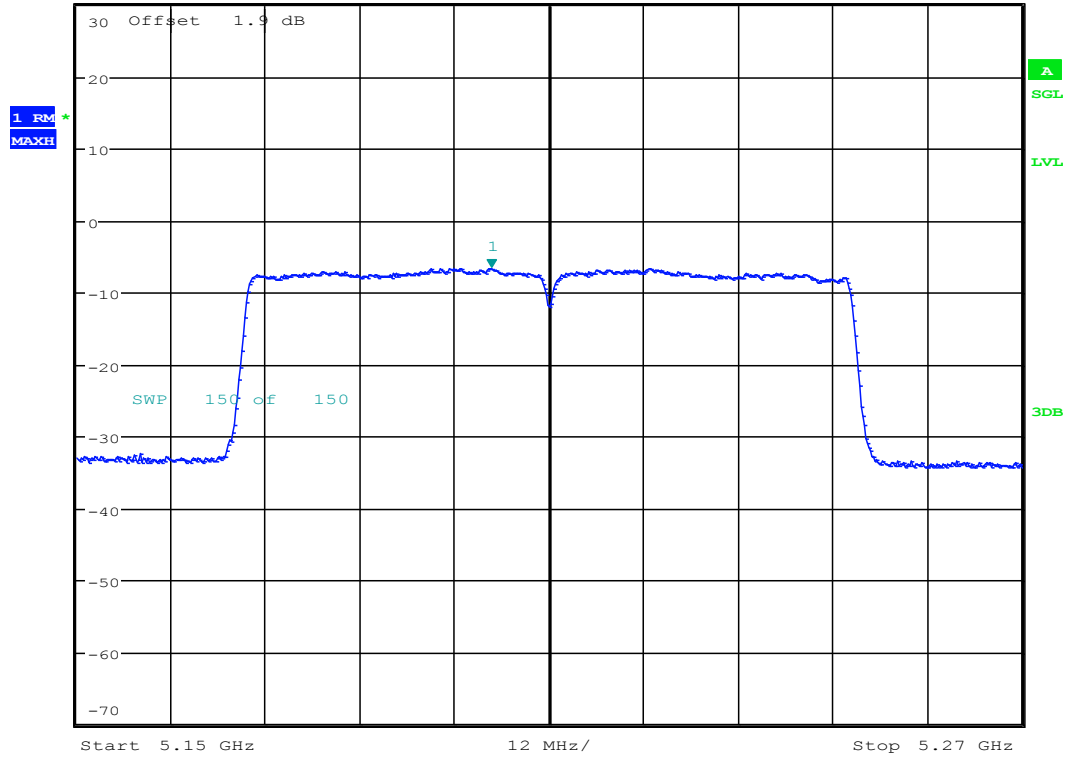
Date: 29.MAR.2018 19:32:43



### 11.161 11AC80\_42 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -6.57 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.202600000 GHz



Date: 28.MAR.2018 17:20:09

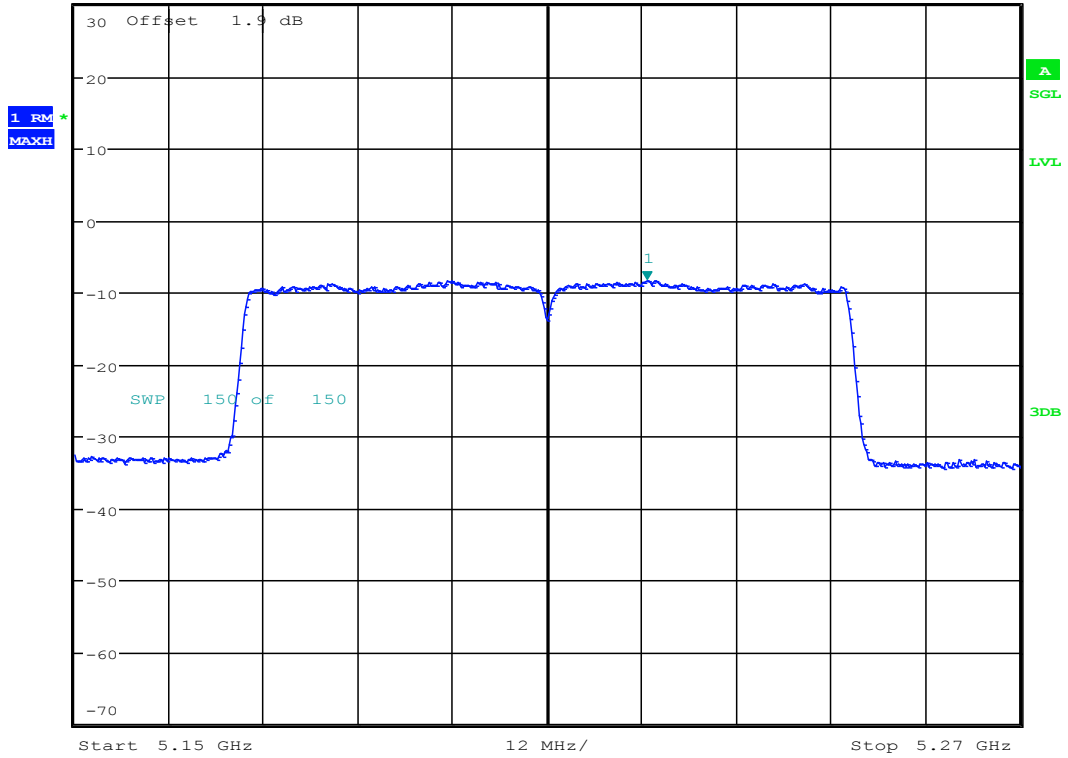




### 11.162 11AC80\_42 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -8.26 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.222600000 GHz



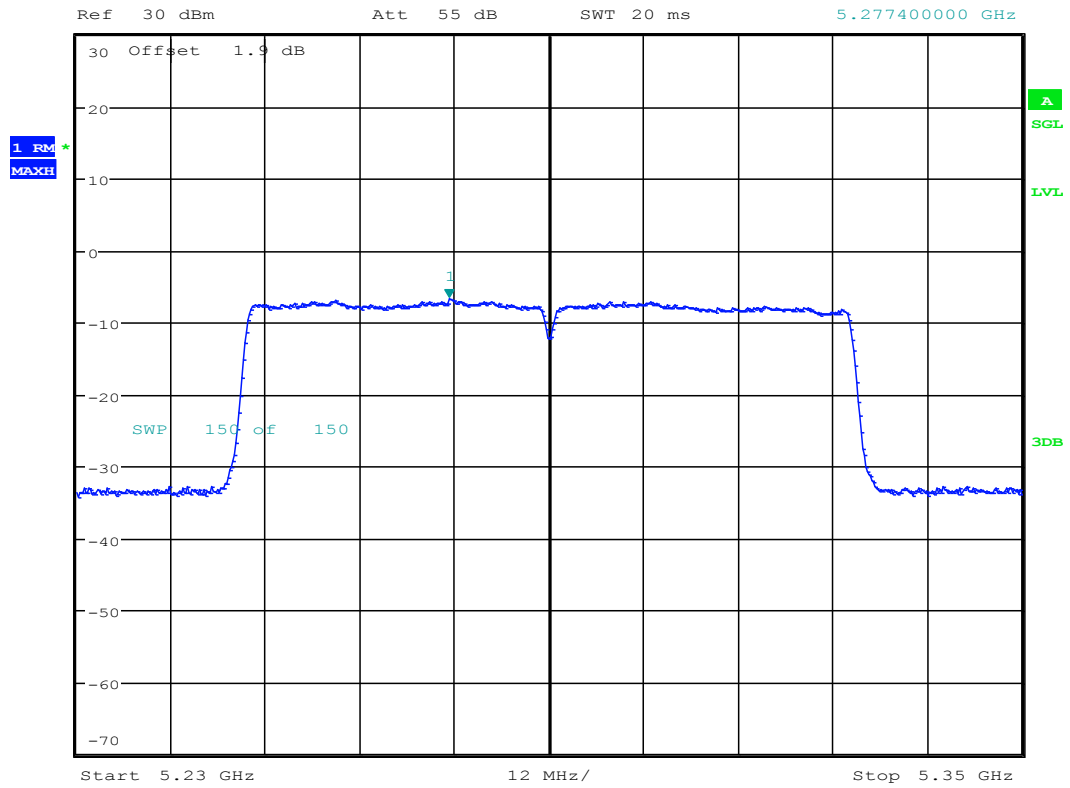
Date: 29.MAR.2018 16:17:21



### 11.163 11AC80\_58 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -6.76 dBm  
SWT 20 ms      5.277400000 GHz



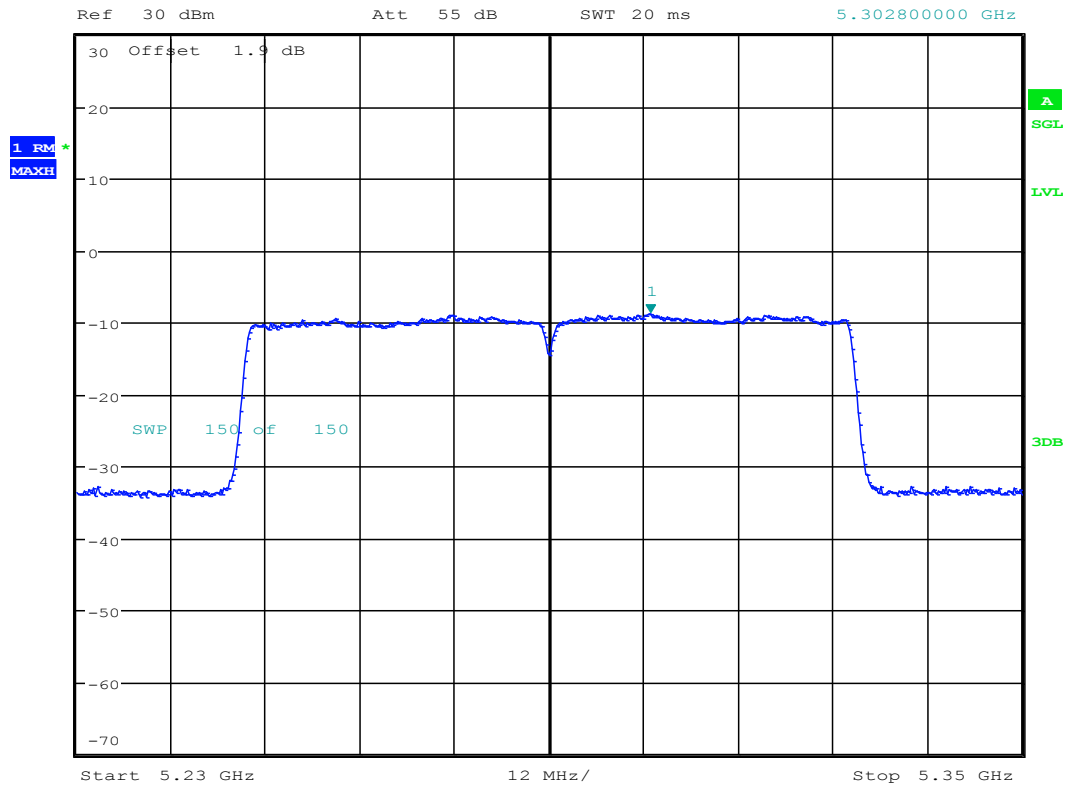
Date: 28.MAR.2018 17:23:12



### 11.164 11AC80\_58 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -8.75 dBm  
SWT 20 ms      5.302800000 GHz



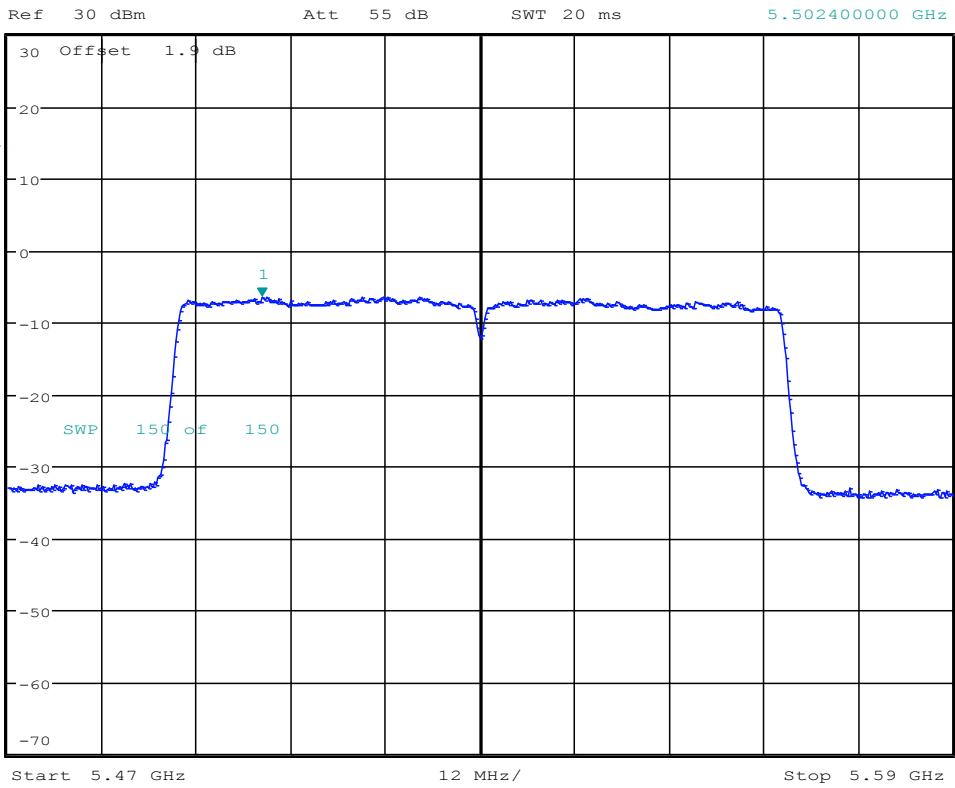
Date: 29.MAR.2018 16:22:12



### 11.165 11AC80\_106 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -6.39 dBm  
SWT 20 ms      5.502400000 GHz



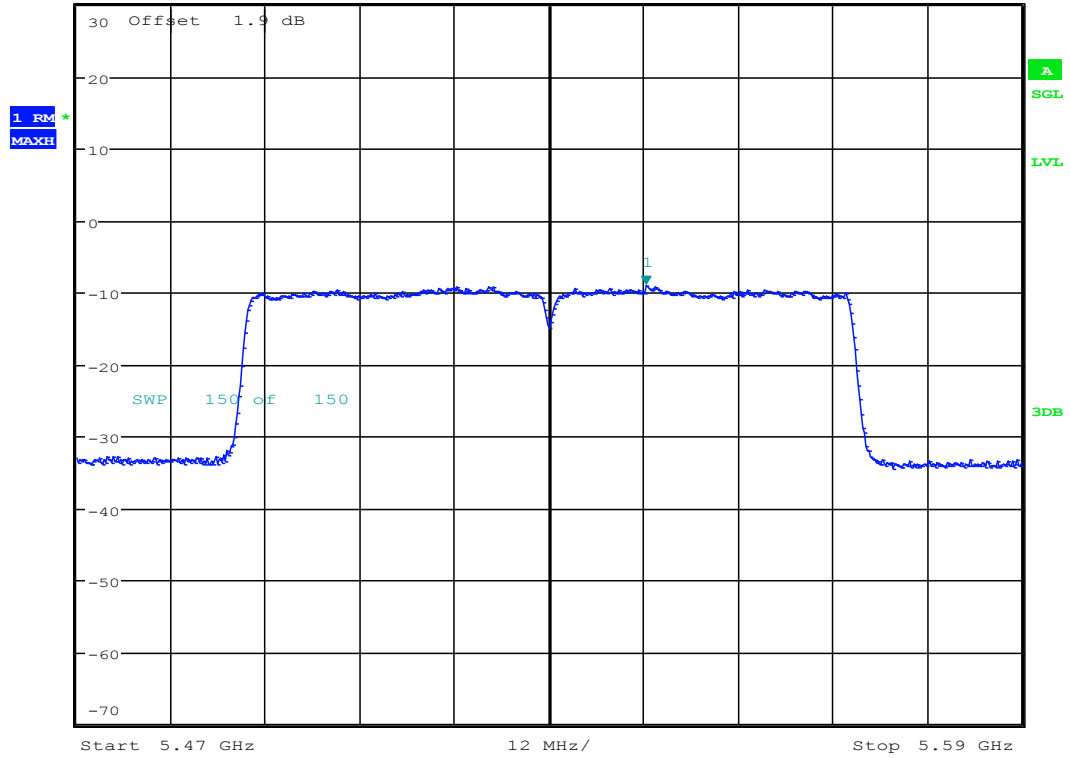
Date: 28.MAR.2018 17:26:01



### 11.166 11AC80\_106 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -9.01 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.542400000 GHz



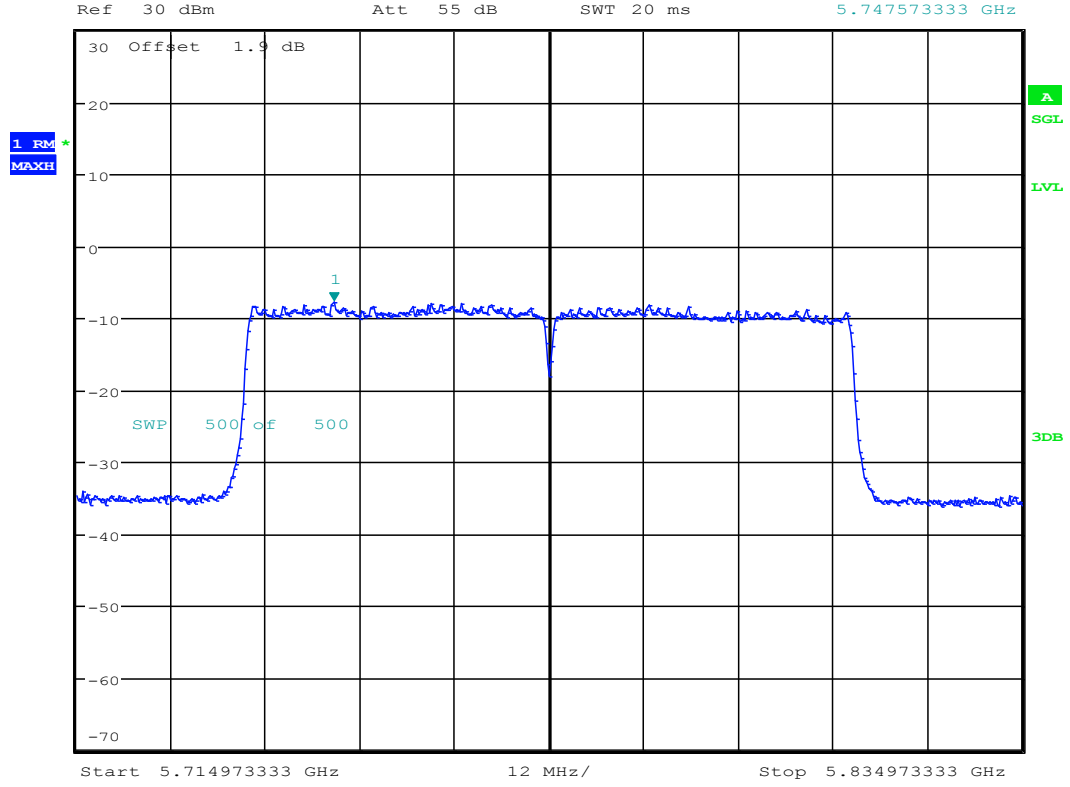
Date: 29.MAR.2018 16:24:45



### 11.167 11AC80\_155 ANT 1



\*RBW 500 kHz      Marker 1 [T1 ]  
\*VBW 2 MHz      -7.81 dBm  
SWT 20 ms      5.747573333 GHz



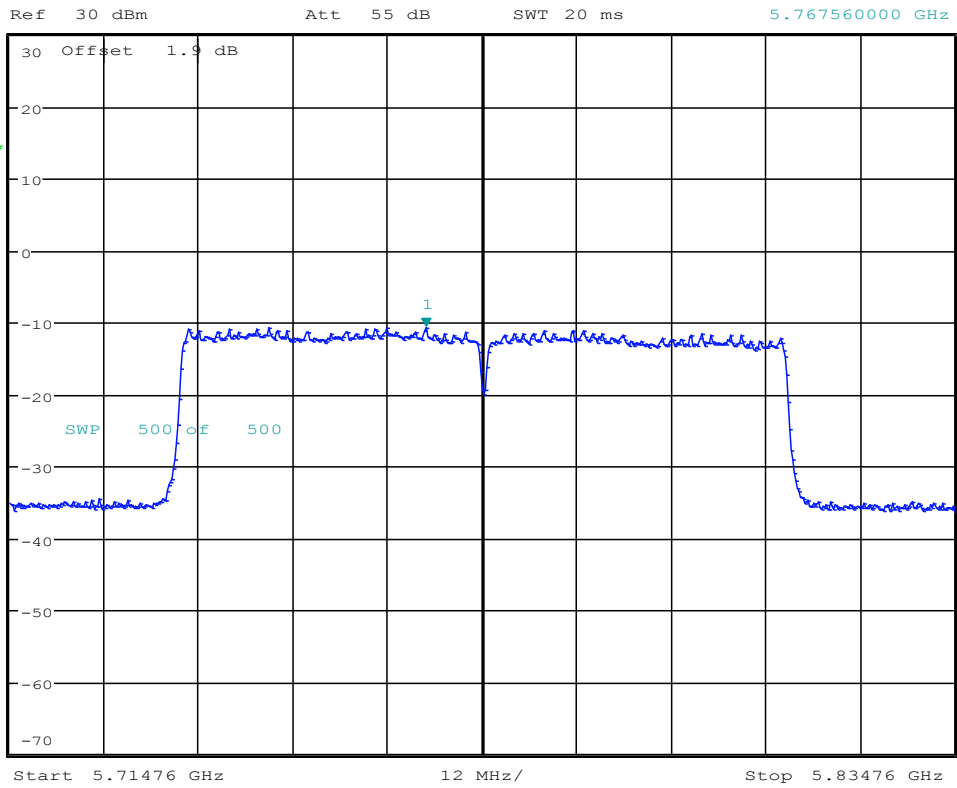
Date: 28.MAR.2018 17:31:53



### 11.168 11AC80\_155 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -10.59 dBm  
 SWT 20 ms      5.767560000 GHz



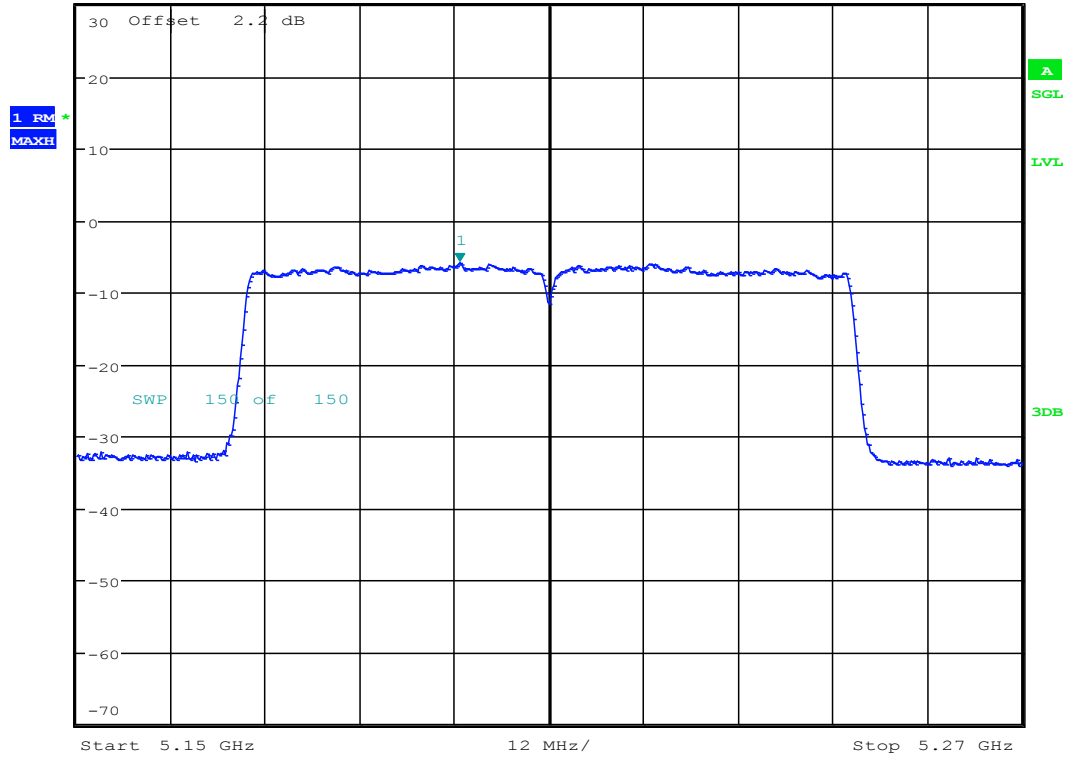
Date: 29.MAR.2018 16:31:15



### 11.169 11AC80MIMO\_42 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -5.81 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.198600000 GHz



Date: 29.MAR.2018 10:46:29

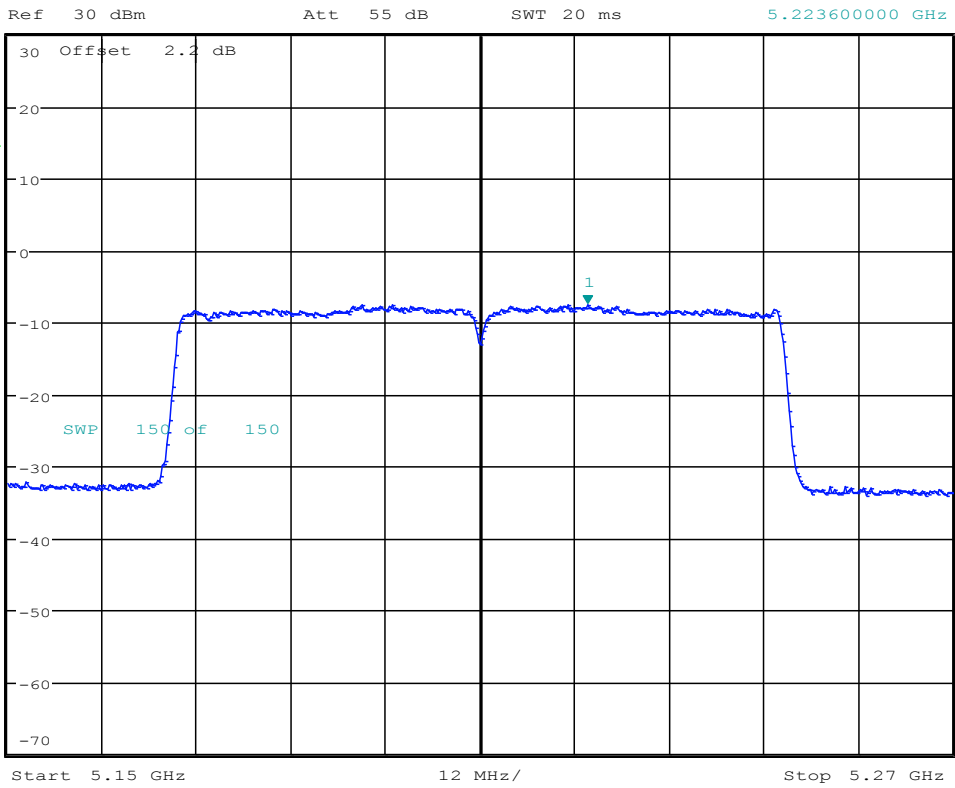




### 11.170 11AC80MIMO\_42 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -7.43 dBm  
SWT 20 ms      5.223600000 GHz



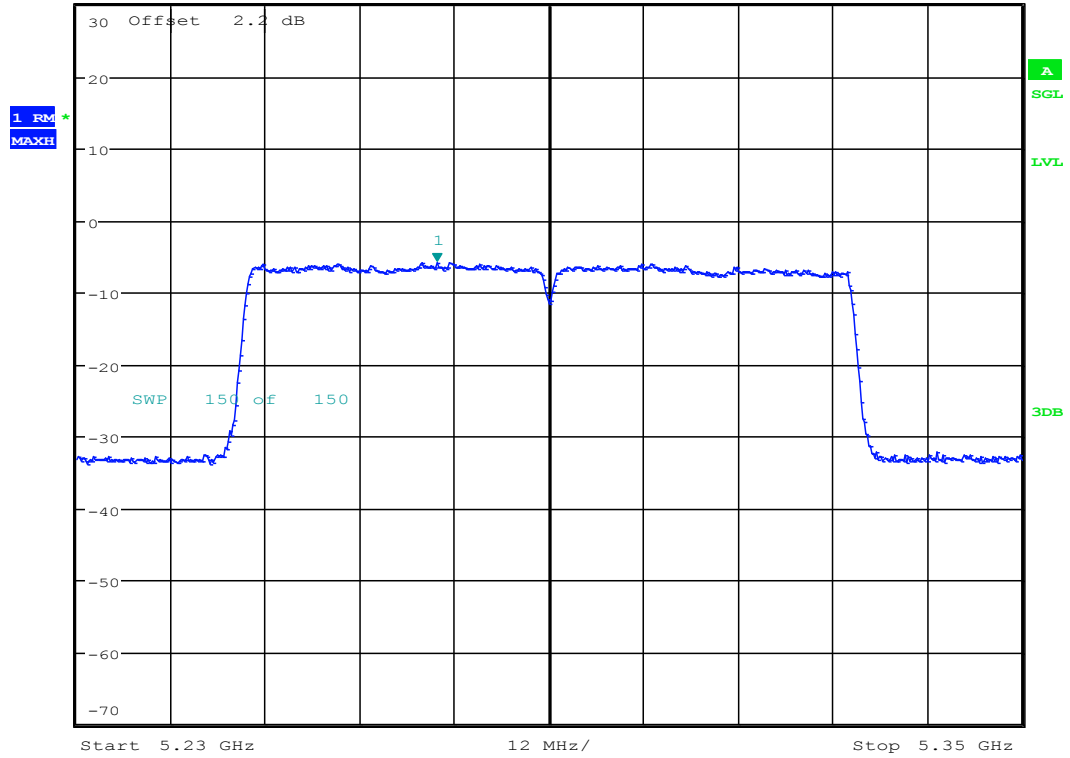
Date: 29.MAR.2018 19:36:11



### 11.171 11AC80MIMO\_58 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -5.78 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.275800000 GHz



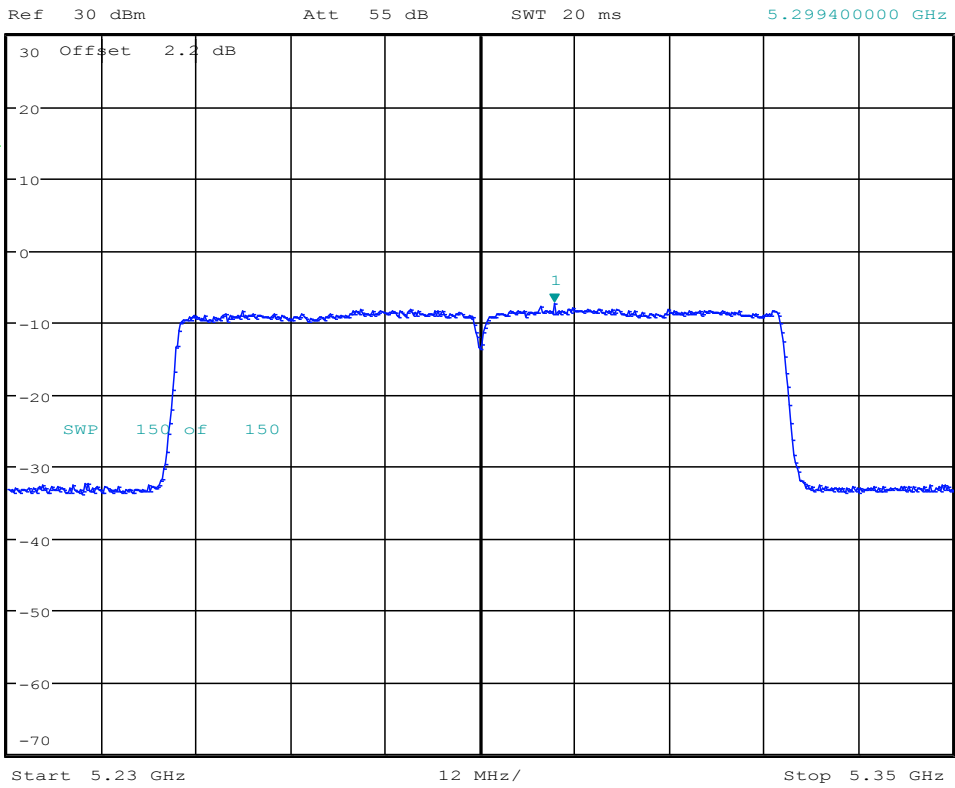
Date: 29.MAR.2018 10:49:37



### 11.172 11AC80MIMO\_58 ANT 2



\*RBW 1 MHz      Marker 1 [T1 ]  
\*VBW 3 MHz      -7.32 dBm  
SWT 20 ms      5.299400000 GHz



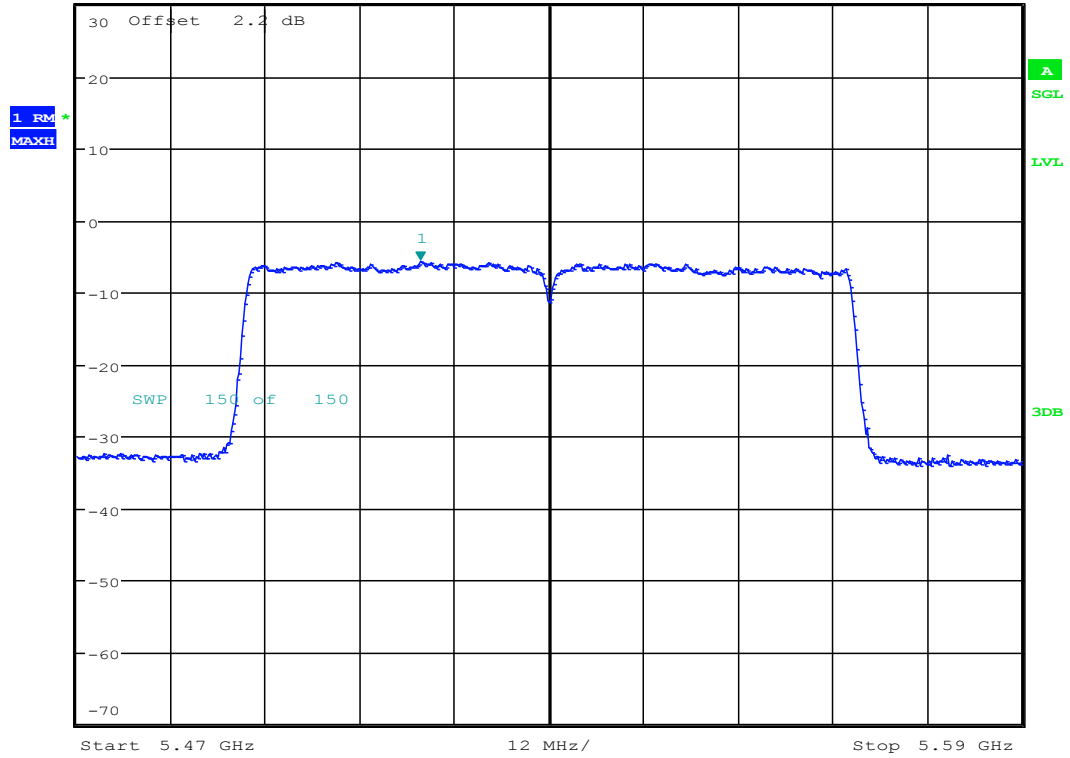
Date: 29.MAR.2018 19:38:54



### 11.173 11AC80MIMO\_106 ANT 1



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -5.67 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.513600000 GHz



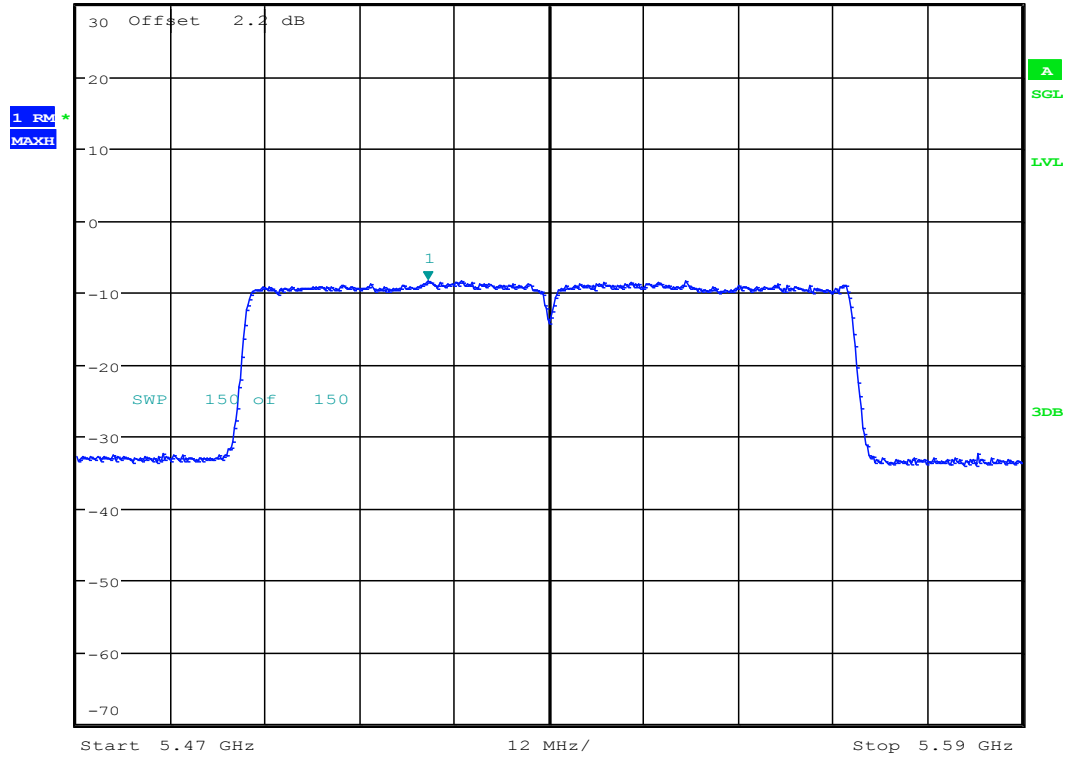
Date: 29.MAR.2018 10:52:39



### 11.174 11AC80MIMO\_106 ANT 2



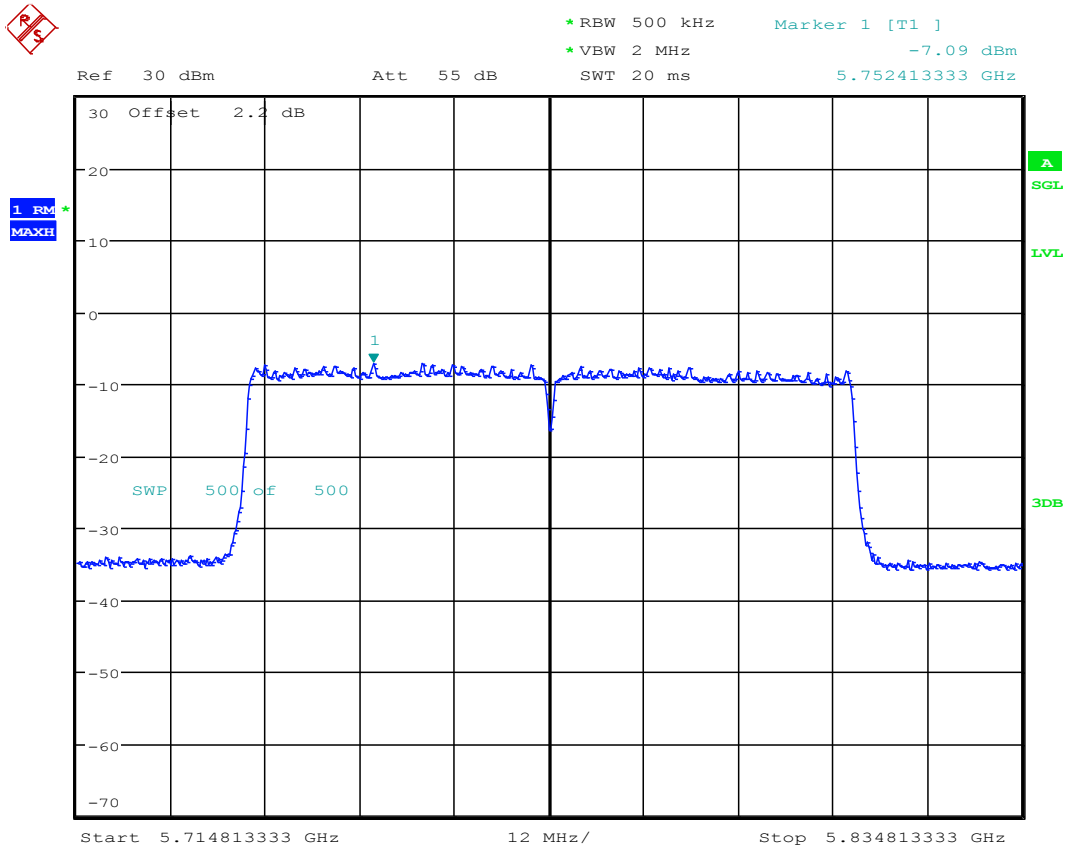
\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -8.34 dBm  
 Ref 30 dBm      Att 55 dB      SWT 20 ms      5.514600000 GHz



Date: 29.MAR.2018 19:41:29



### 11.175 11AC80MIMO\_155 ANT 1



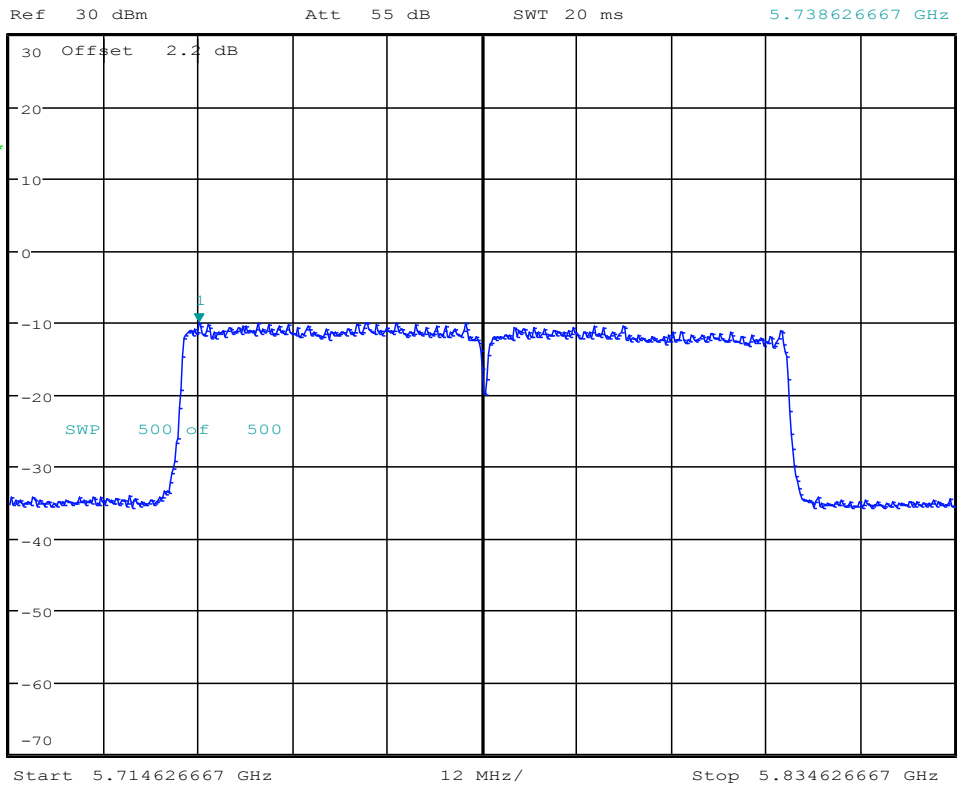
Date: 29.MAR.2018 10:58:31



### 11.176 11AC80MIMO\_155 ANT 2



\*RBW 500 kHz      Marker 1 [T1 ]  
 \*VBW 2 MHz      -9.94 dBm  
 SWT 20 ms      5.738626667 GHz



Date: 29.MAR.2018 19:47:23



# Appendix F: Frequencies Stability

Frequency Error vs. Voltage:

Test Conditions	Measured Frequency ( MHz )
	5180
V nom(V)	5180.0054
V max(V)	5180.0038
V min(V)	5180.0099
Max. Deviation Frequency	0.0099
Max. Frequency Error (ppm)	1.91

Frequency Error vs. Temperature:

Test Conditions(°C)	Measured Frequency ( MHz )
	5180
-5	5180.0053
5	5180.0032
15	5180.0039
25	5180.0078
35	5180.0078
45	5180.0082
50	5180.0037
Max. Deviation Frequency	0.0082
Max. Frequency Error (ppm)	1.58





## Frequency Error vs. Voltage:

Test Conditions	Measured Frequency ( MHz )
	5825
V nom(V)	5825.0032
V max(V)	5825.0047
V min(V)	5825.0039
Max. Deviation Frequency	0.0047
Max. Frequency Error (ppm)	0.81

## Frequency Error vs. Temperature:

Test Conditions(°C)	Measured Frequency ( MHz )
	5825
-5	5825.0074
5	5825.0092
15	5825.0033
25	5825.0034
35	5825.0057
45	5825.0067
50	5825.0098
Max. Deviation Frequency	0.0094
Max. Frequency Error (ppm)	1.61

END