



# Appendix A U-NII: Emission Bandwidth

**1 Result Table for 26dB Emission Bandwidth**

Test Mode	Test Channel	Frequency [MHz]	Antenna Port	26dB Emission Bandwidth [MHz]	Verdict
11A20	36	5180	ANT 1	21.74	PASS
	36	5180	ANT 2	21.72	PASS
	48	5240	ANT 1	21.72	PASS
	48	5240	ANT 2	21.74	PASS
	52	5260	ANT 1	21.76	PASS
	52	5260	ANT 2	21.78	PASS
	64	5320	ANT 1	21.74	PASS
	64	5320	ANT 2	21.80	PASS
	100	5500	ANT 1	21.72	PASS
	100	5500	ANT 2	21.76	PASS
	140	5700	ANT 1	21.76	PASS
	140	5700	ANT 2	21.72	PASS
	144	5720	ANT 1	21.80	PASS
	144	5720	ANT 2	21.76	PASS
11A20_CDD	36	5180	ANT 1	21.76	PASS
	36	5180	ANT 2	21.80	PASS
	48	5240	ANT 1	21.82	PASS
	48	5240	ANT 2	21.82	PASS
	52	5260	ANT 1	21.88	PASS
	52	5260	ANT 2	21.80	PASS
	64	5320	ANT 1	21.76	PASS
	64	5320	ANT 2	21.76	PASS
	100	5500	ANT 1	21.76	PASS
	100	5500	ANT 2	21.78	PASS
	140	5700	ANT 1	21.78	PASS
	140	5700	ANT 2	21.76	PASS
	144	5720	ANT 1	21.90	PASS
	144	5720	ANT 2	21.72	PASS
11N20	36	5180	ANT 1	22.08	PASS
	36	5180	ANT 2	22.12	PASS
	48	5240	ANT 1	22.06	PASS
	48	5240	ANT 2	22.14	PASS
	52	5260	ANT 1	22.50	PASS



	52	5260	ANT 2	22.22	PASS
	64	5320	ANT 1	22.16	PASS
	64	5320	ANT 2	22.18	PASS
	100	5500	ANT 1	22.24	PASS
	100	5500	ANT 2	22.28	PASS
	140	5700	ANT 1	22.04	PASS
	140	5700	ANT 2	22.24	PASS
	144	5720	ANT 1	22.26	PASS
	144	5720	ANT 2	22.28	PASS
11N20MIMO	36	5180	ANT 1	22.20	PASS
	36	5180	ANT 2	22.08	PASS
	48	5240	ANT 1	22.34	PASS
	48	5240	ANT 2	22.16	PASS
	52	5260	ANT 1	24.80	PASS
	52	5260	ANT 2	22.02	PASS
	64	5320	ANT 1	22.26	PASS
	64	5320	ANT 2	21.92	PASS
	100	5500	ANT 1	22.10	PASS
	100	5500	ANT 2	24.52	PASS
	140	5700	ANT 1	22.08	PASS
	140	5700	ANT 2	22.16	PASS
	144	5720	ANT 1	22.42	PASS
	144	5720	ANT 2	22.00	PASS
11N40	38	5190	ANT 1	40.48	PASS
	38	5190	ANT 2	40.60	PASS
	46	5230	ANT 1	40.50	PASS
	46	5230	ANT 2	40.48	PASS
	54	5270	ANT 1	40.60	PASS
	54	5270	ANT 2	40.60	PASS
	62	5310	ANT 1	40.58	PASS
	62	5310	ANT 2	40.56	PASS
	102	5510	ANT 1	40.48	PASS
	102	5510	ANT 2	40.78	PASS
	134	5670	ANT 1	40.88	PASS
	134	5670	ANT 2	40.60	PASS
	140	5710	ANT 1	41.00	PASS
	140	5710	ANT 2	40.60	PASS
11N40MIMO	38	5190	ANT 1	40.52	PASS
	38	5190	ANT 2	40.06	PASS
	46	5230	ANT 1	40.66	PASS
	46	5230	ANT 2	40.06	PASS



	54	5270	ANT 1	40.88	PASS
	54	5270	ANT 2	39.98	PASS
	62	5310	ANT 1	40.60	PASS
	62	5310	ANT 2	40.02	PASS
	102	5510	ANT 1	40.54	PASS
	102	5510	ANT 2	39.96	PASS
	134	5670	ANT 1	40.60	PASS
	134	5670	ANT 2	40.10	PASS
	140	5710	ANT 1	40.86	PASS
	140	5710	ANT 2	40.08	PASS
11AC20	36	5180	ANT 1	22.04	PASS
	36	5180	ANT 2	22.24	PASS
	48	5240	ANT 1	23.60	PASS
	48	5240	ANT 2	22.20	PASS
	52	5260	ANT 1	22.14	PASS
	52	5260	ANT 2	22.30	PASS
	64	5320	ANT 1	22.18	PASS
	64	5320	ANT 2	22.20	PASS
	100	5500	ANT 1	22.22	PASS
	100	5500	ANT 2	22.20	PASS
	140	5700	ANT 1	22.26	PASS
	140	5700	ANT 2	22.18	PASS
	144	5720	ANT 1	22.20	PASS
	144	5720	ANT 2	22.16	PASS
11AC20MIMO	36	5180	ANT 1	22.22	PASS
	36	5180	ANT 2	21.98	PASS
	48	5240	ANT 1	22.10	PASS
	48	5240	ANT 2	22.08	PASS
	52	5260	ANT 1	22.40	PASS
	52	5260	ANT 2	22.02	PASS
	64	5320	ANT 1	22.30	PASS
	64	5320	ANT 2	22.14	PASS
	100	5500	ANT 1	22.24	PASS
	100	5500	ANT 2	24.38	PASS
	140	5700	ANT 1	22.24	PASS
	140	5700	ANT 2	22.22	PASS
	144	5720	ANT 1	22.24	PASS
	144	5720	ANT 2	22.26	PASS
11AC40	38	5190	ANT 1	40.48	PASS
	38	5190	ANT 2	40.52	PASS
	46	5230	ANT 1	40.78	PASS



	46	5230	ANT 2	40.70	PASS
	54	5270	ANT 1	40.82	PASS
	54	5270	ANT 2	40.64	PASS
	62	5310	ANT 1	40.48	PASS
	62	5310	ANT 2	40.68	PASS
	102	5510	ANT 1	40.46	PASS
	102	5510	ANT 2	40.60	PASS
	134	5670	ANT 1	40.60	PASS
	134	5670	ANT 2	40.60	PASS
	140	5710	ANT 1	40.62	PASS
	140	5710	ANT 2	40.64	PASS
	11AC40MIMO	38	5190	ANT 1	40.52
38		5190	ANT 2	40.24	PASS
46		5230	ANT 1	40.64	PASS
46		5230	ANT 2	40.02	PASS
54		5270	ANT 1	40.42	PASS
54		5270	ANT 2	40.10	PASS
62		5310	ANT 1	40.44	PASS
62		5310	ANT 2	40.02	PASS
102		5510	ANT 1	40.68	PASS
102		5510	ANT 2	39.98	PASS
134		5670	ANT 1	40.66	PASS
134		5670	ANT 2	40.34	PASS
140		5710	ANT 1	40.58	PASS
140		5710	ANT 2	40.14	PASS
11AC80	42	5210	ANT 1	82.77	PASS
	42	5210	ANT 2	83.84	PASS
	58	5290	ANT 1	82.83	PASS
	58	5290	ANT 2	83.31	PASS
	106	5530	ANT 1	83.63	PASS
	106	5530	ANT 2	82.77	PASS
	138	5690	ANT 1	84.43	PASS
	138	5690	ANT 2	82.99	PASS
11AC80MIMO	42	5210	ANT 1	82.83	PASS
	42	5210	ANT 2	82.45	PASS
	58	5290	ANT 1	82.99	PASS
	58	5290	ANT 2	82.67	PASS
	106	5530	ANT 1	83.04	PASS
	106	5530	ANT 2	82.61	PASS
	138	5690	ANT 1	82.93	PASS
	138	5690	ANT 2	82.45	PASS



## 2 Result Table for 6dB Emission Bandwidth

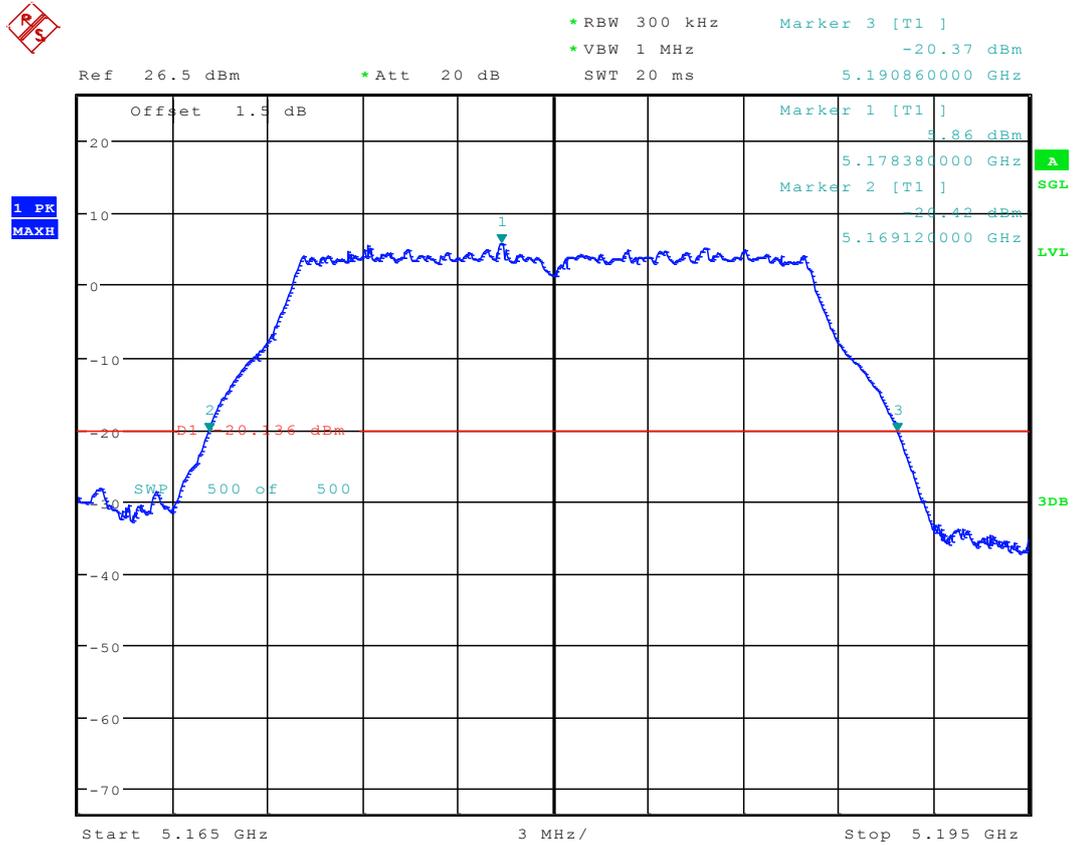
Test Mode	Test Channel	Frequency [MHz]	ANT	6dB Emission Bandwidth [MHz]	Verdict
11A20	149	5745	ANT 1	16.40	PASS
	149	5745	ANT 2	16.40	PASS
	165	5825	ANT 1	16.40	PASS
	165	5825	ANT 2	16.40	PASS
11A20_CDD	149	5745	ANT 1	16.40	PASS
	149	5745	ANT 2	16.40	PASS
	165	5825	ANT 1	16.42	PASS
	165	5825	ANT 2	16.42	PASS
11N20	149	5745	ANT 1	17.62	PASS
	149	5745	ANT 2	17.64	PASS
	165	5825	ANT 1	17.64	PASS
	165	5825	ANT 2	17.64	PASS
11N20MIMO	149	5745	ANT 1	17.64	PASS
	149	5745	ANT 2	17.66	PASS
	165	5825	ANT 1	17.66	PASS
	165	5825	ANT 2	17.66	PASS
11N40	151	5755	ANT 1	36.36	PASS
	151	5755	ANT 2	36.36	PASS
	159	5795	ANT 1	36.36	PASS
	159	5795	ANT 2	36.38	PASS
11N40MIMO	151	5755	ANT 1	36.40	PASS
	151	5755	ANT 2	36.38	PASS
	159	5795	ANT 1	36.38	PASS
	159	5795	ANT 2	36.38	PASS
11AC20	149	5745	ANT 1	17.62	PASS
	149	5745	ANT 2	17.64	PASS
	165	5825	ANT 1	17.62	PASS
	165	5825	ANT 2	17.64	PASS
11AC20MIMO	149	5745	ANT 1	17.64	PASS
	149	5745	ANT 2	17.66	PASS
	165	5825	ANT 1	17.64	PASS
	165	5825	ANT 2	17.66	PASS
11AC40	151	5755	ANT 1	36.38	PASS
	151	5755	ANT 2	36.38	PASS



	159	5795	ANT 1	36.36	PASS
	159	5795	ANT 2	36.38	PASS
11AC40MIMO	151	5755	ANT 1	36.38	PASS
	151	5755	ANT 2	36.38	PASS
	159	5795	ANT 1	36.38	PASS
	159	5795	ANT 2	36.38	PASS
11AC80	155	5775	ANT 1	76.21	PASS
	155	5775	ANT 2	76.48	PASS
11AC80MIMO	155	5775	ANT 1	76.37	PASS
	155	5775	ANT 2	76.48	PASS

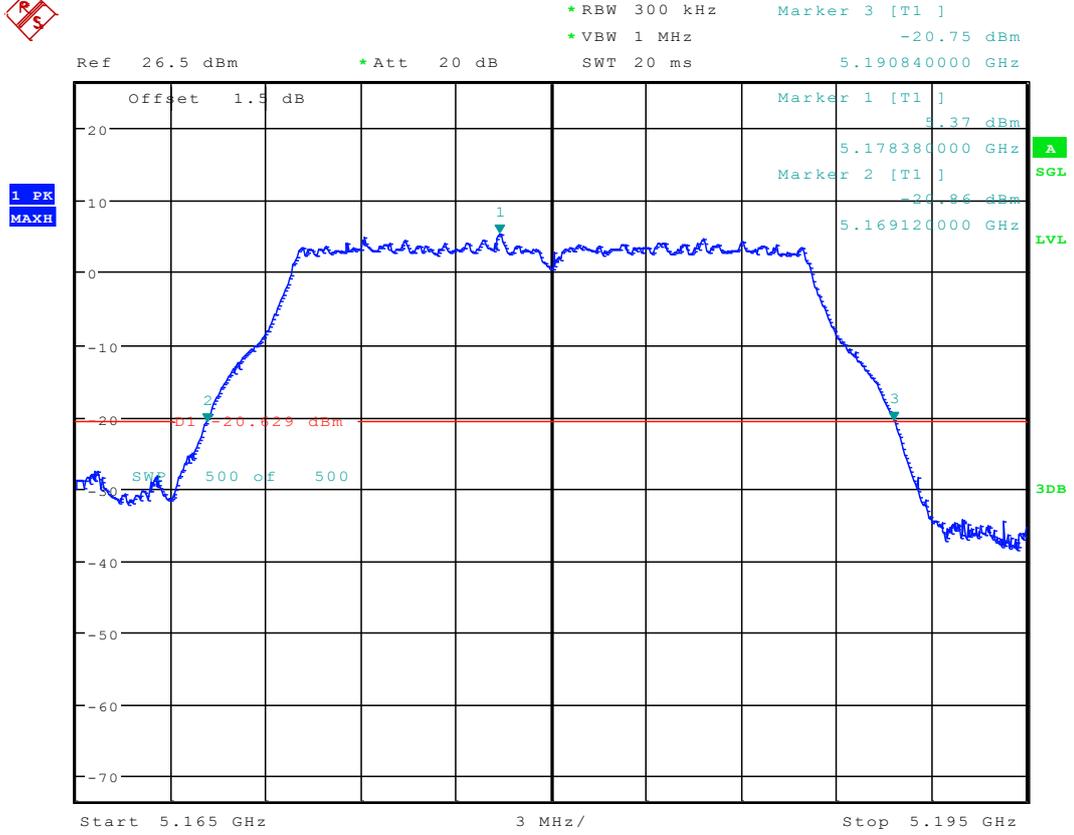
### 3 Test Plot for 26dB Emission Bandwidth

#### 3.1 11A20\_36 ANT 1



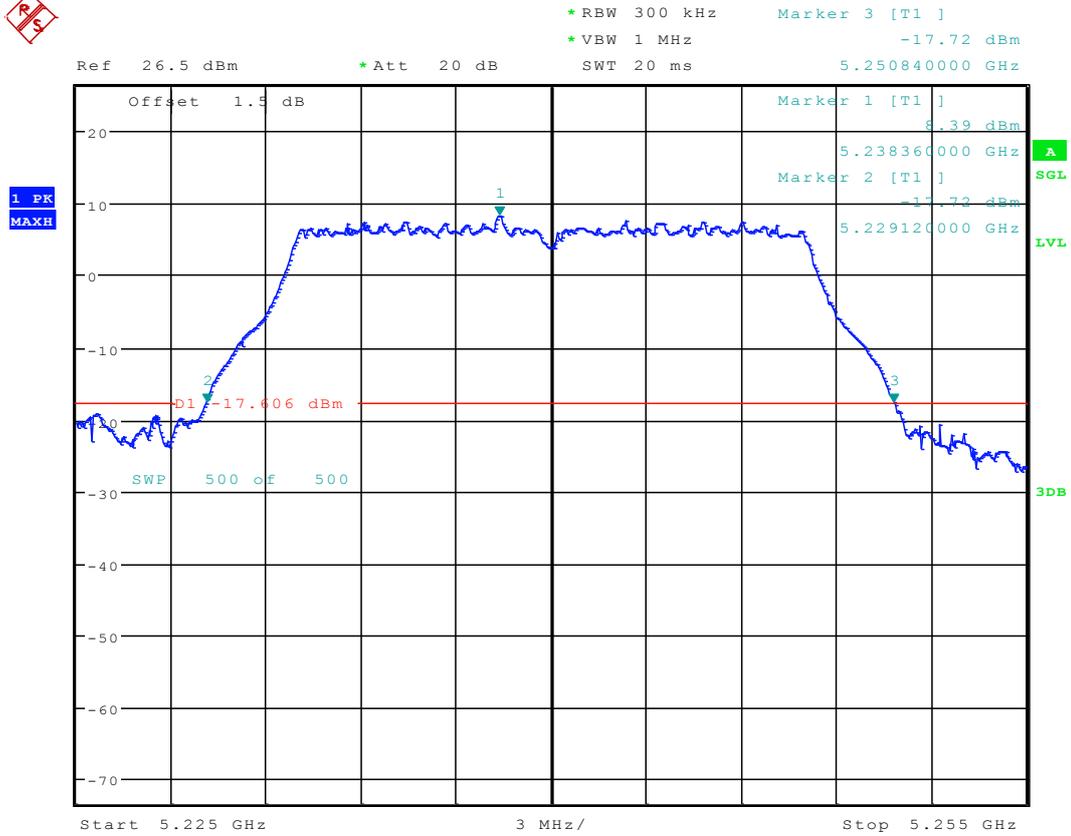
Date: 1.DEC.2017 17:28:00

### 3.2 11A20\_36 ANT 2



Date: 2.DEC.2017 11:36:13

### 3.3 11A20\_48 ANT 1

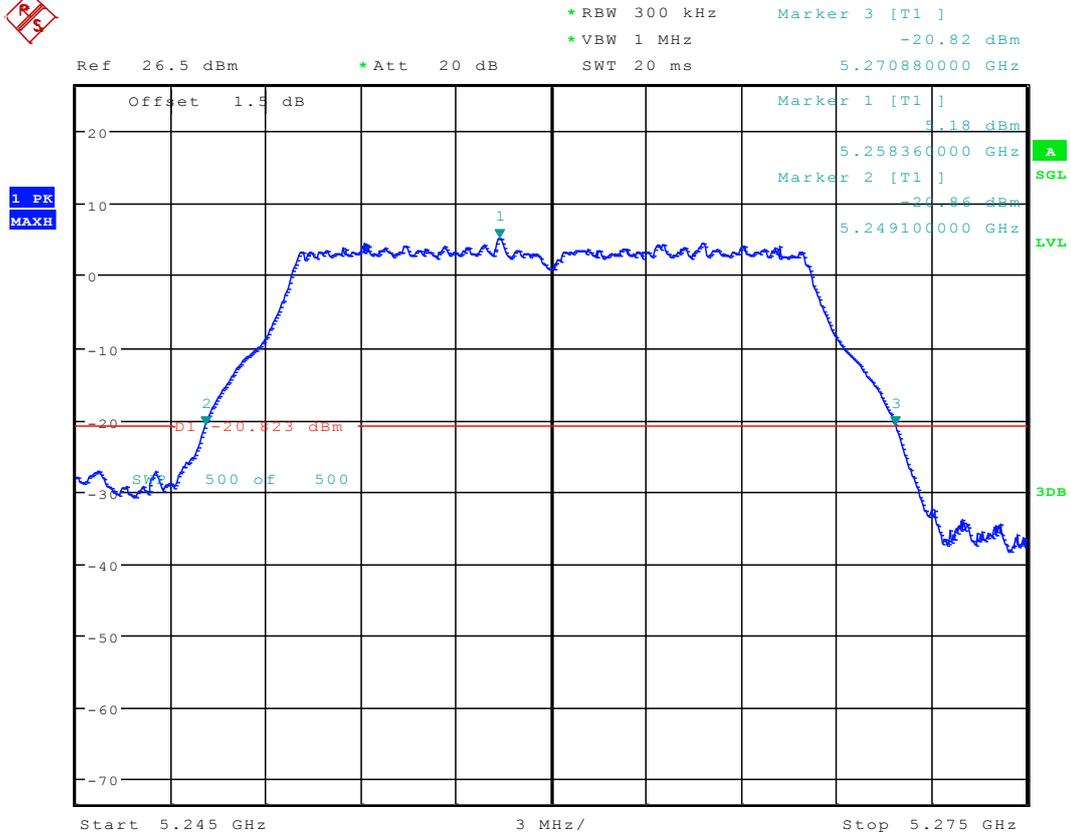


Date: 1.DEC.2017 17:30:57





### 3.6 11A20\_52 ANT 2

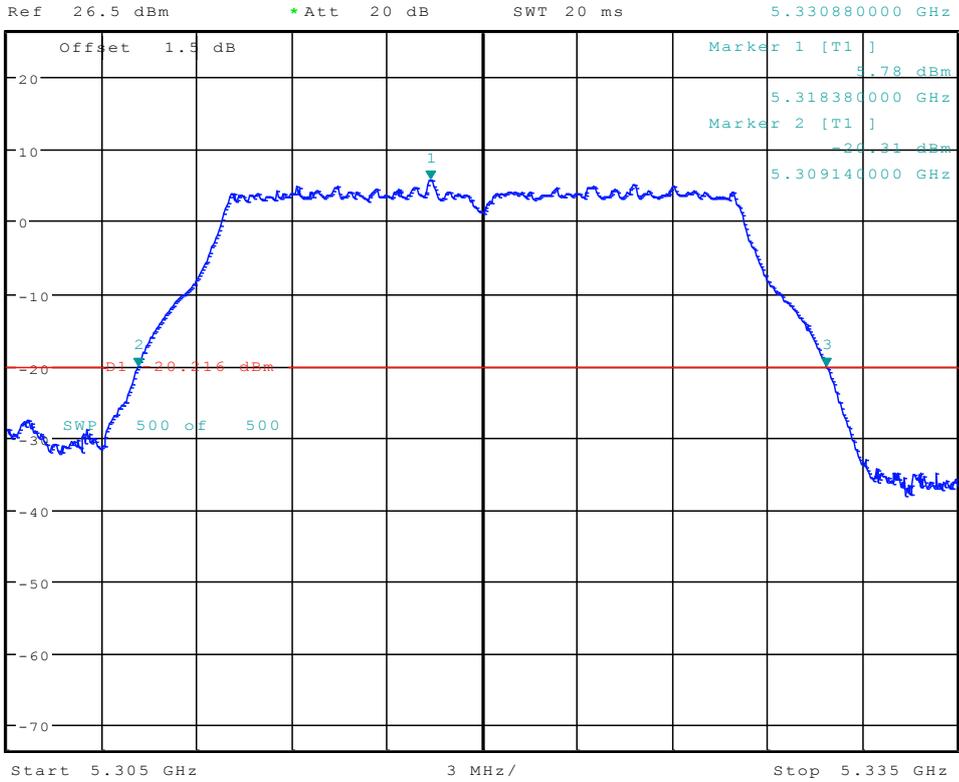


Date: 2.DEC.2017 11:40:59

### 3.7 11A20\_64 ANT 1

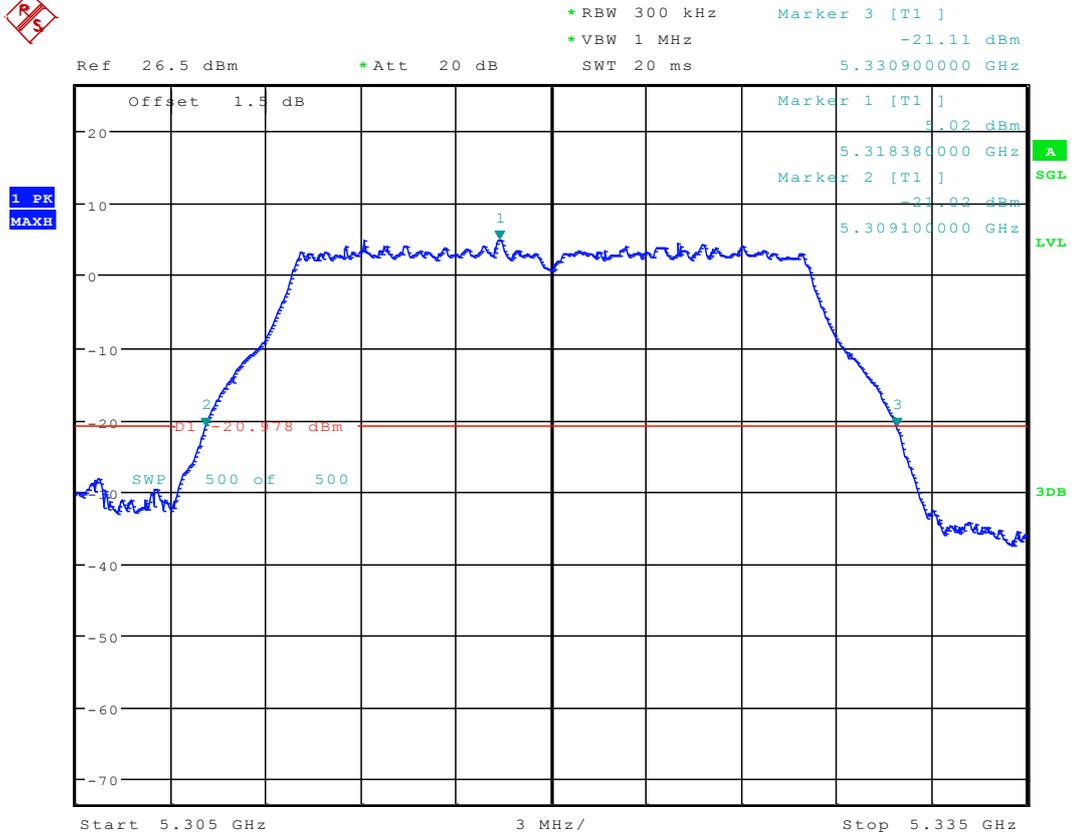


\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -20.25 dBm  
 SWT 20 ms      5.330880000 GHz



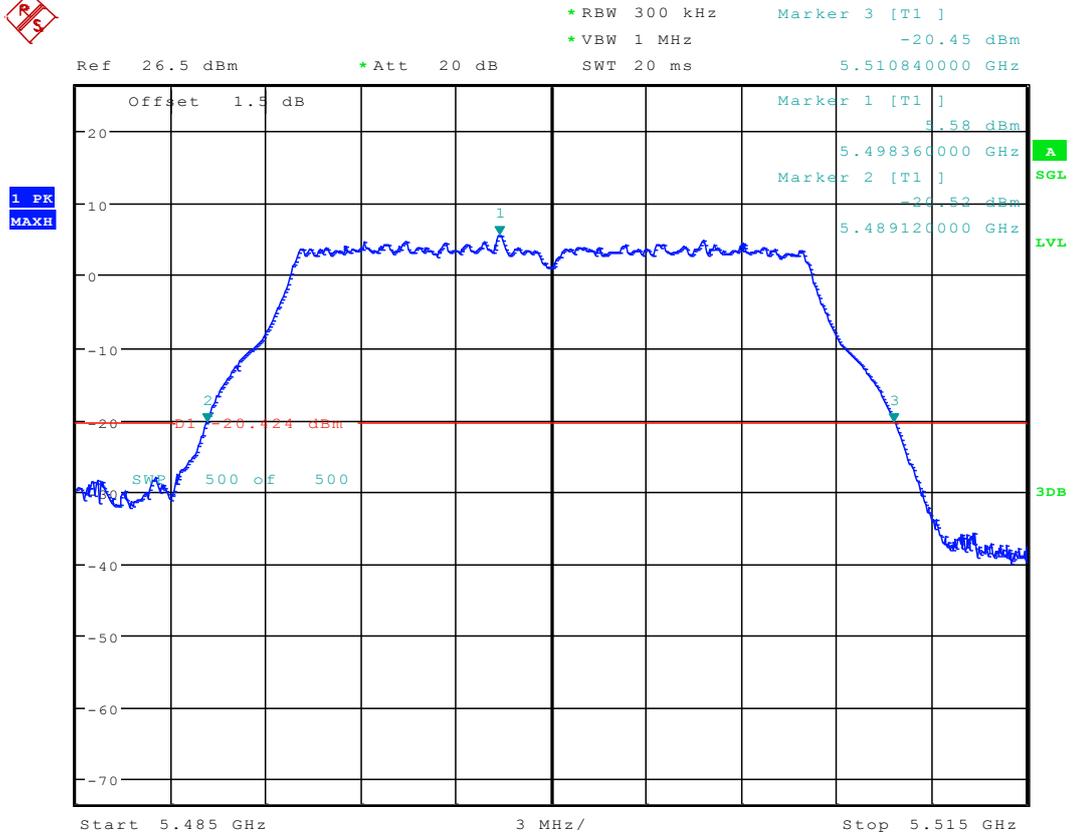
Date: 1.DEC.2017 17:35:18

### 3.8 11A20\_64 ANT 2



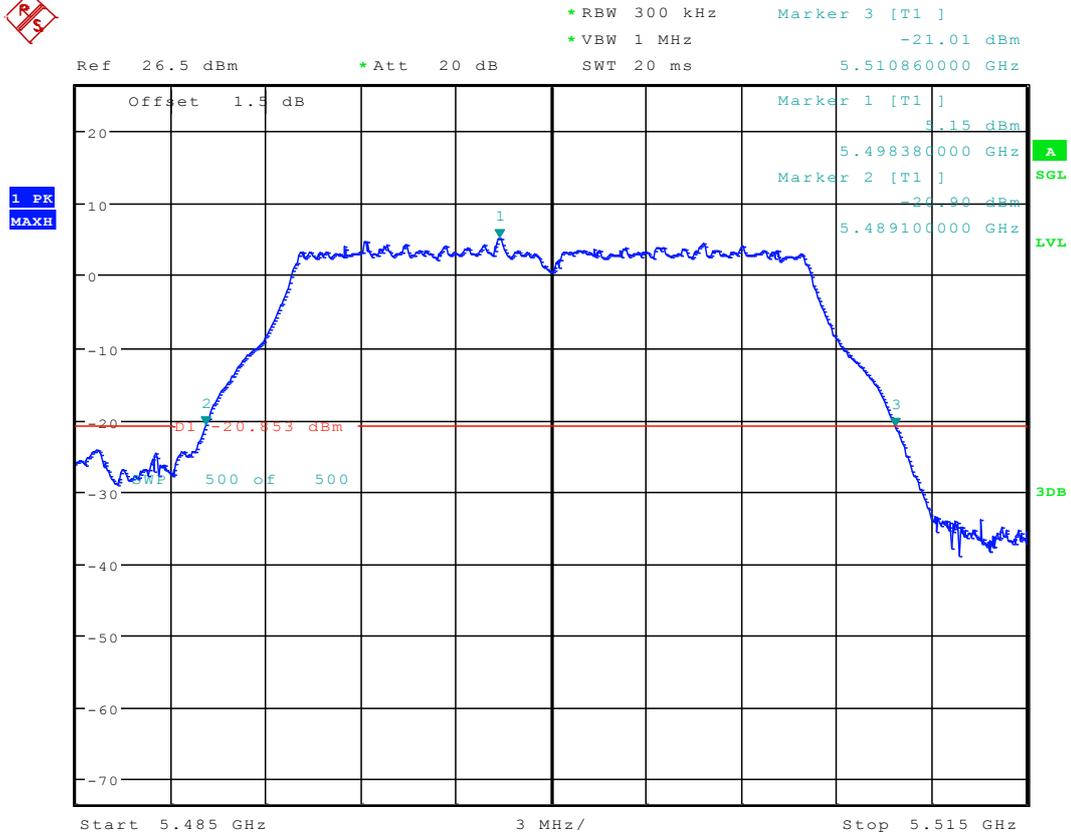
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### 3.9 11A20\_100 ANT 1



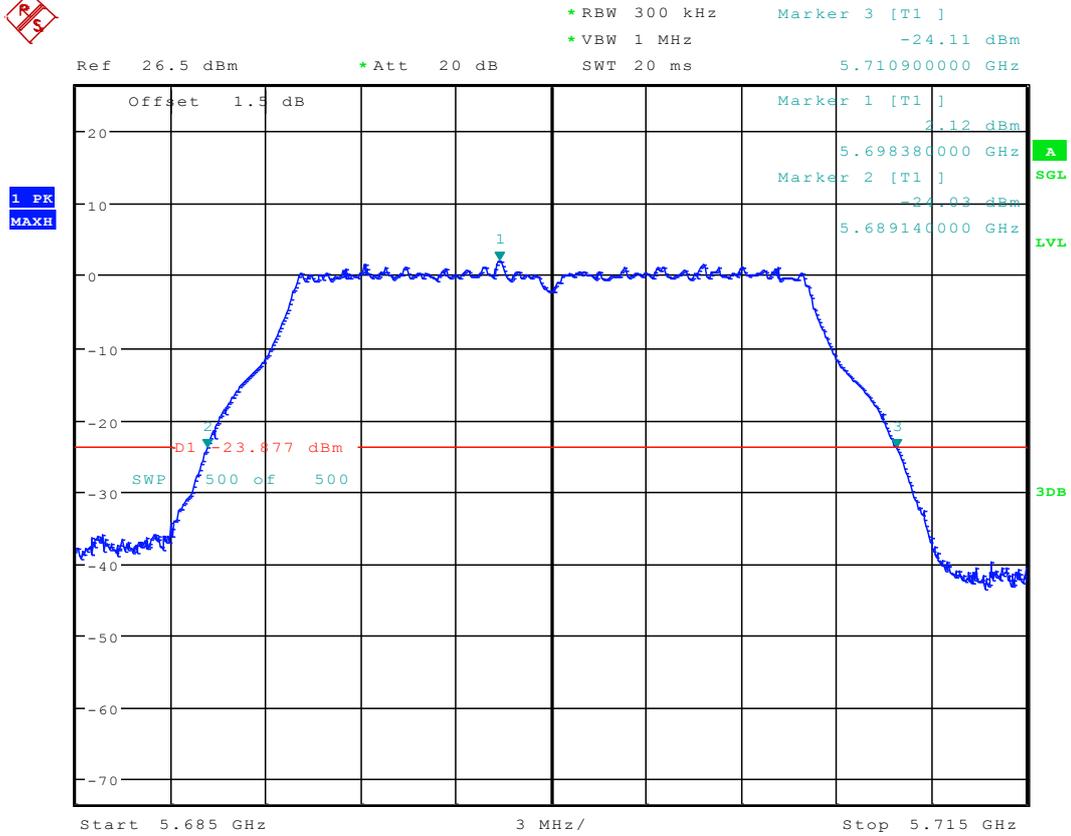
Date: 1.DEC.2017 17:37:24

### 3.10 11A20\_100 ANT 2



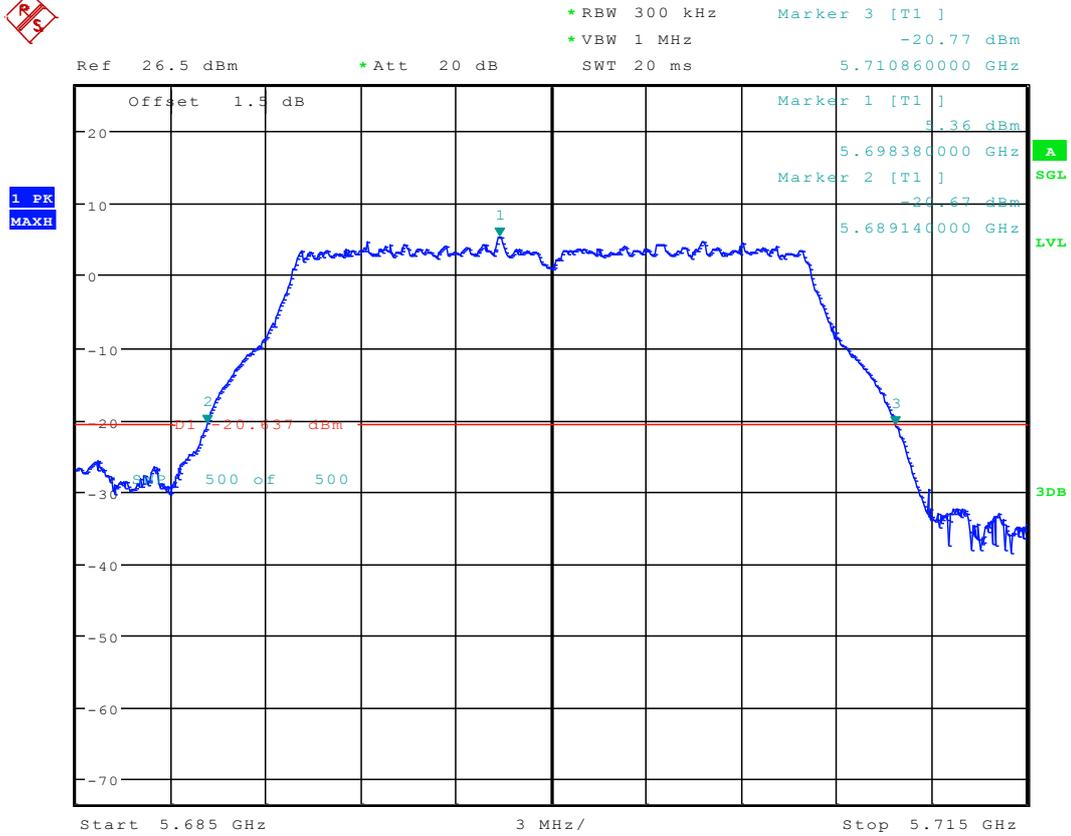
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### 3.11 11A20\_140 ANT 1



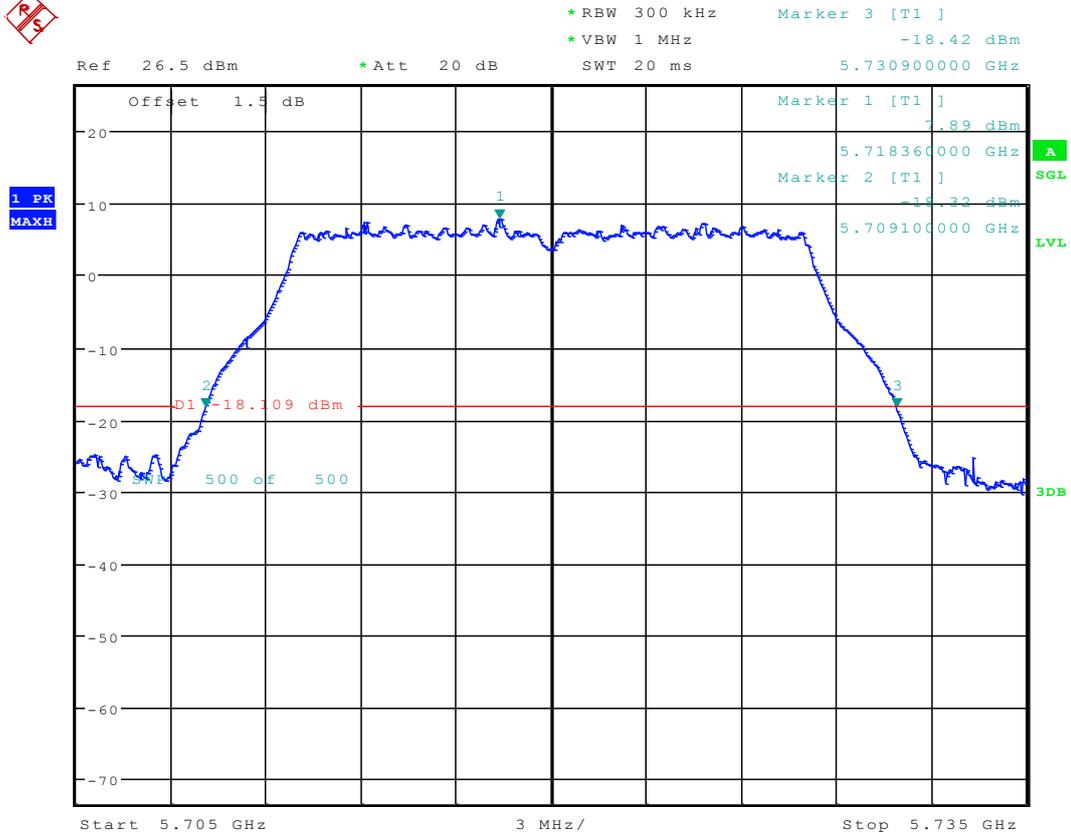
Date: 1.DEC.2017 17:39:29

### 3.12 11A20\_140 ANT 2



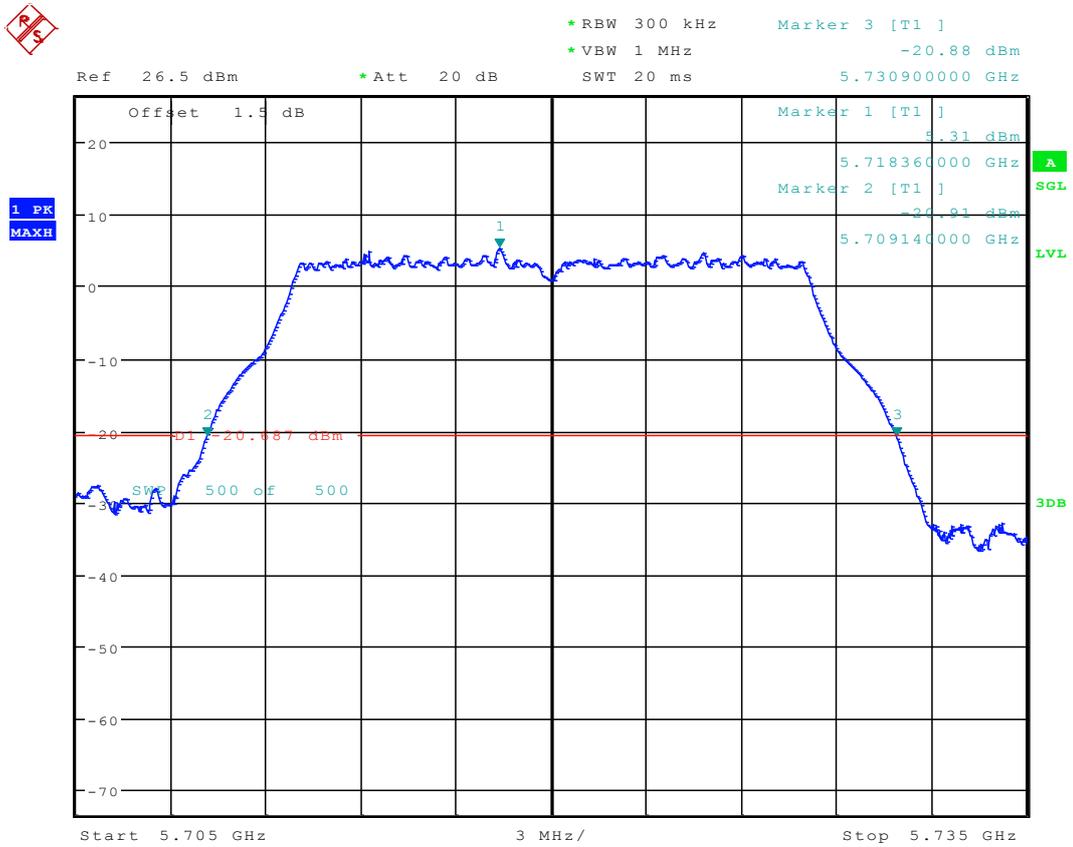
Date: 2.DEC.2017 11:47:50

### 3.13 11A20\_144 ANT 1



Date: 1.DEC.2017 17:41:41

## 3.14 11A20\_144 ANT 2



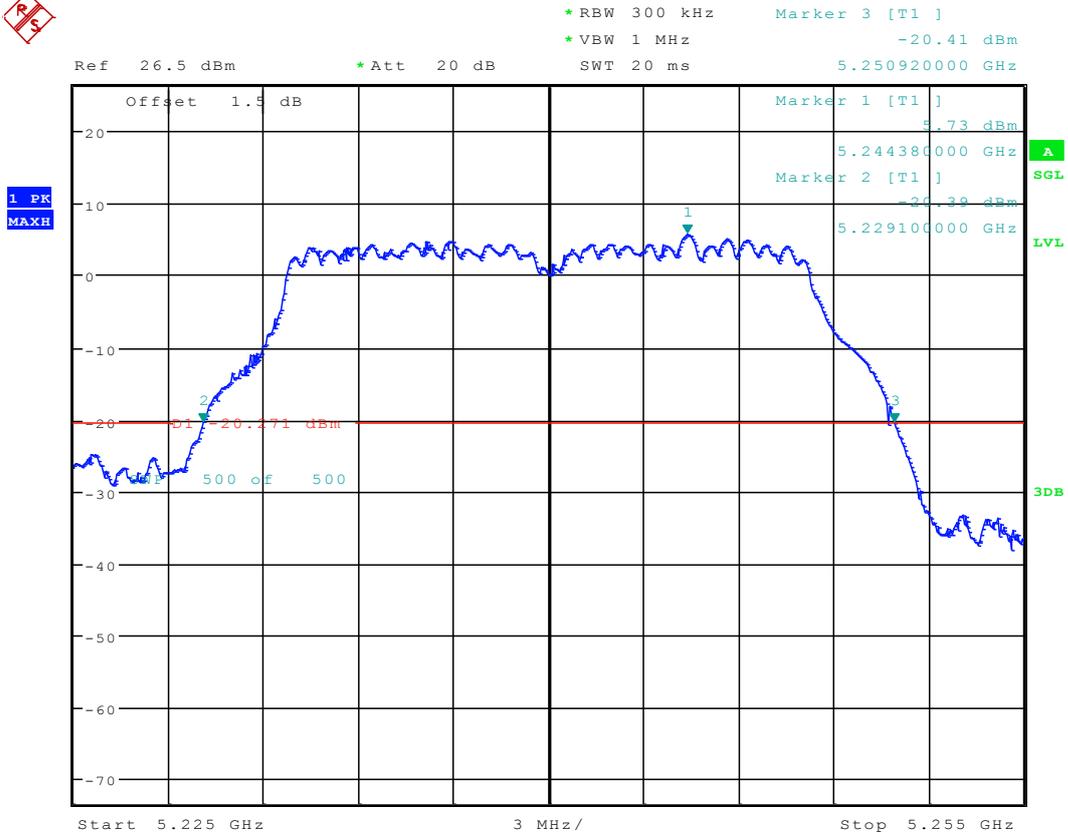
Date: 2.DEC.2017 11:50:01







### 3.18 11A20\_CDD\_48 ANT 2



Date: 2.DEC.2017 16:08:58

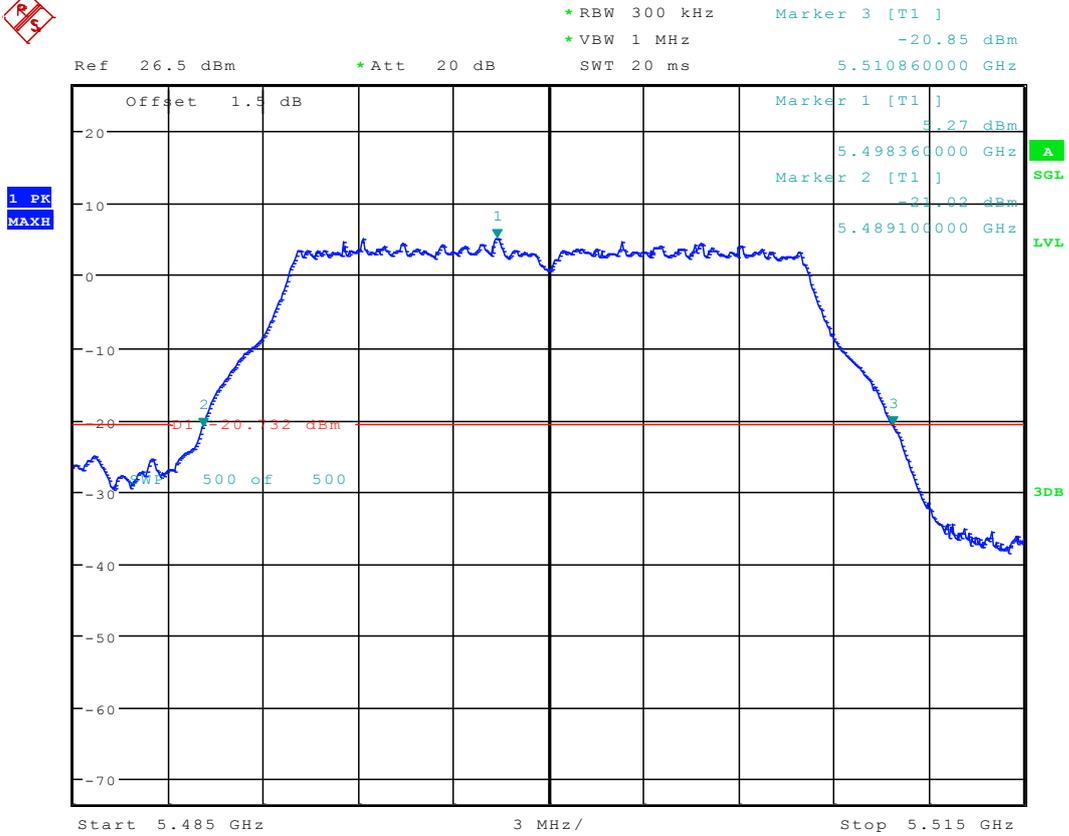








### 3.23 11A20\_CDD\_100 ANT 1



Date: 2.DEC.2017 13:32:25



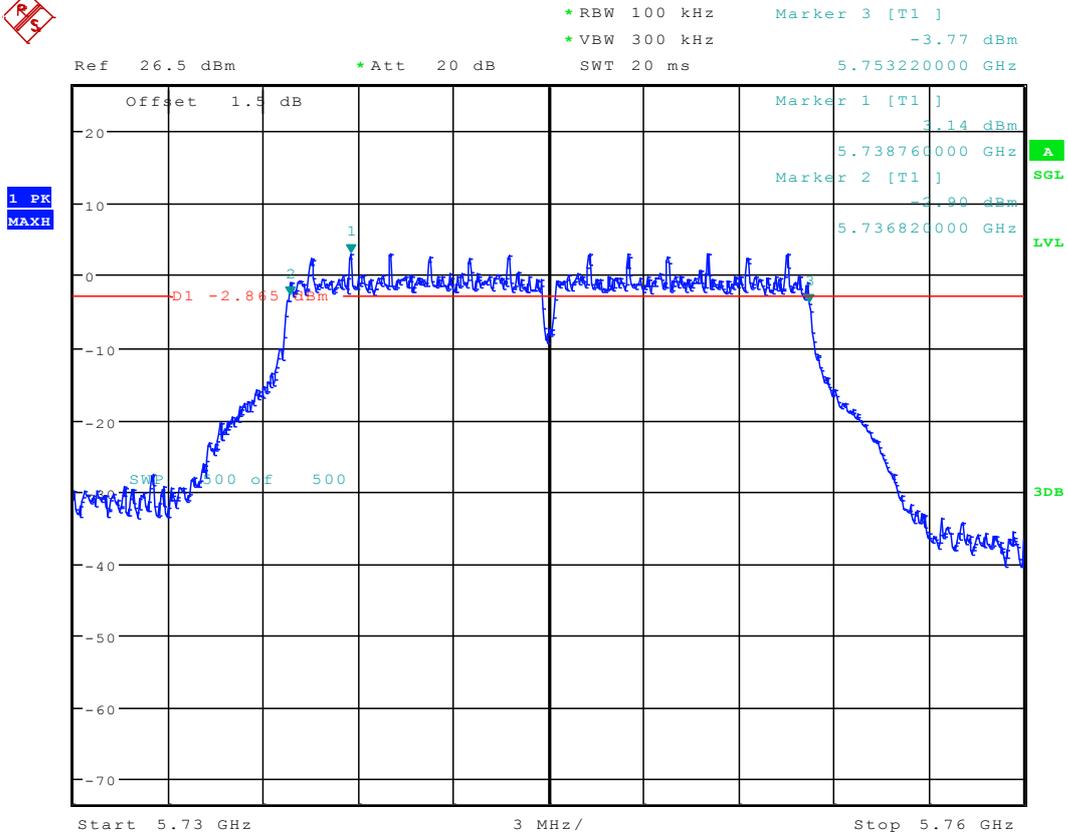






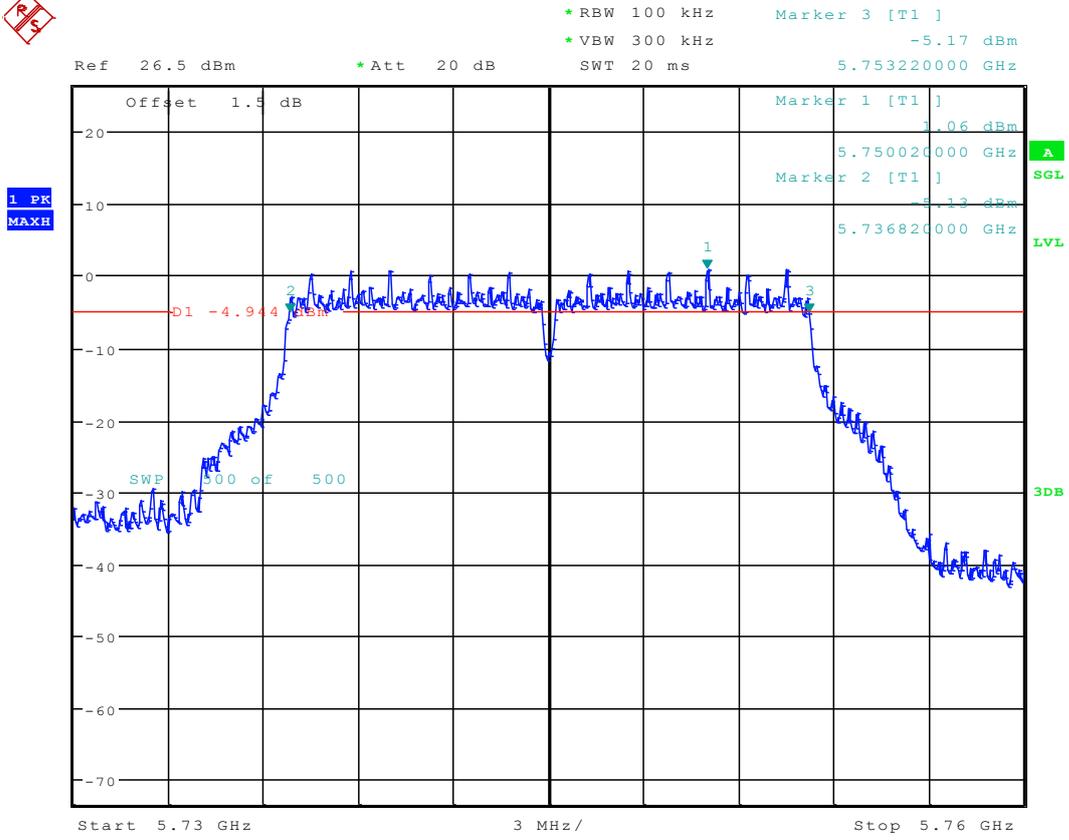


### 3.29 11A20\_CDD\_149 ANT 1



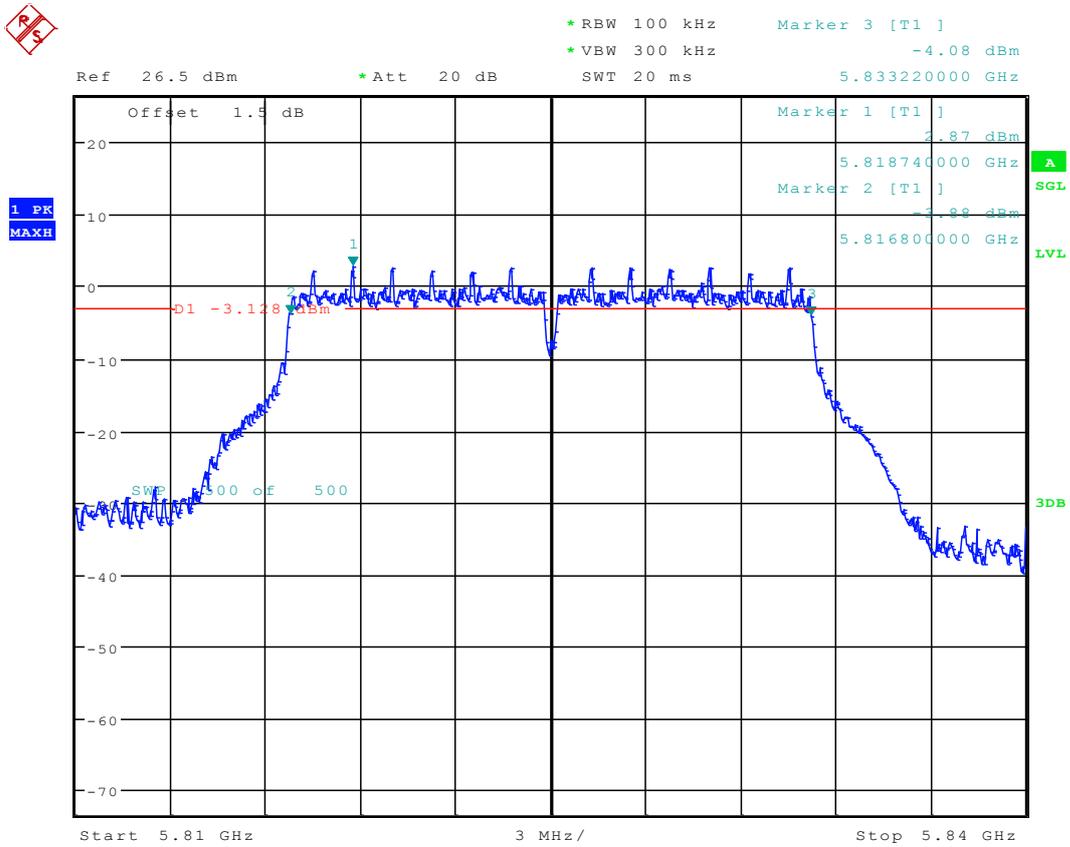
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### 3.30 11A20\_CDD\_149 ANT 2



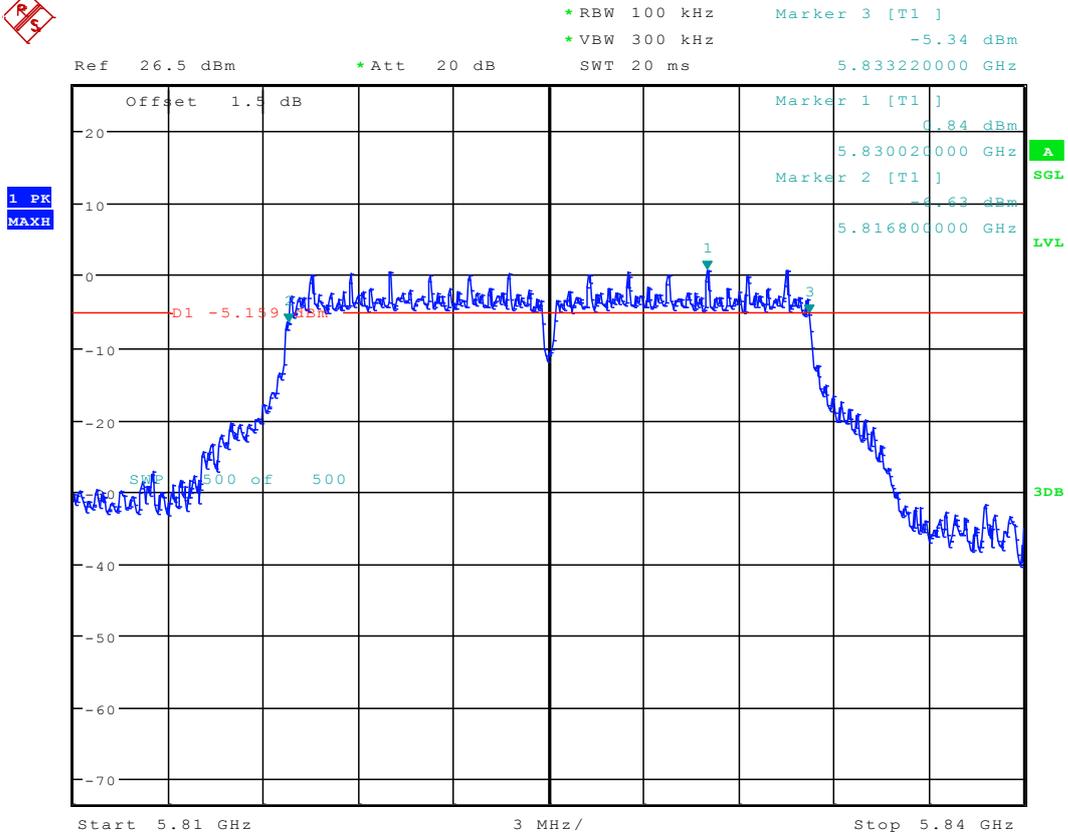
Date: 2.DEC.2017 16:23:05

## 3.31 11A20\_CDD\_165 ANT 1



Date: 2.DEC.2017 13:50:48

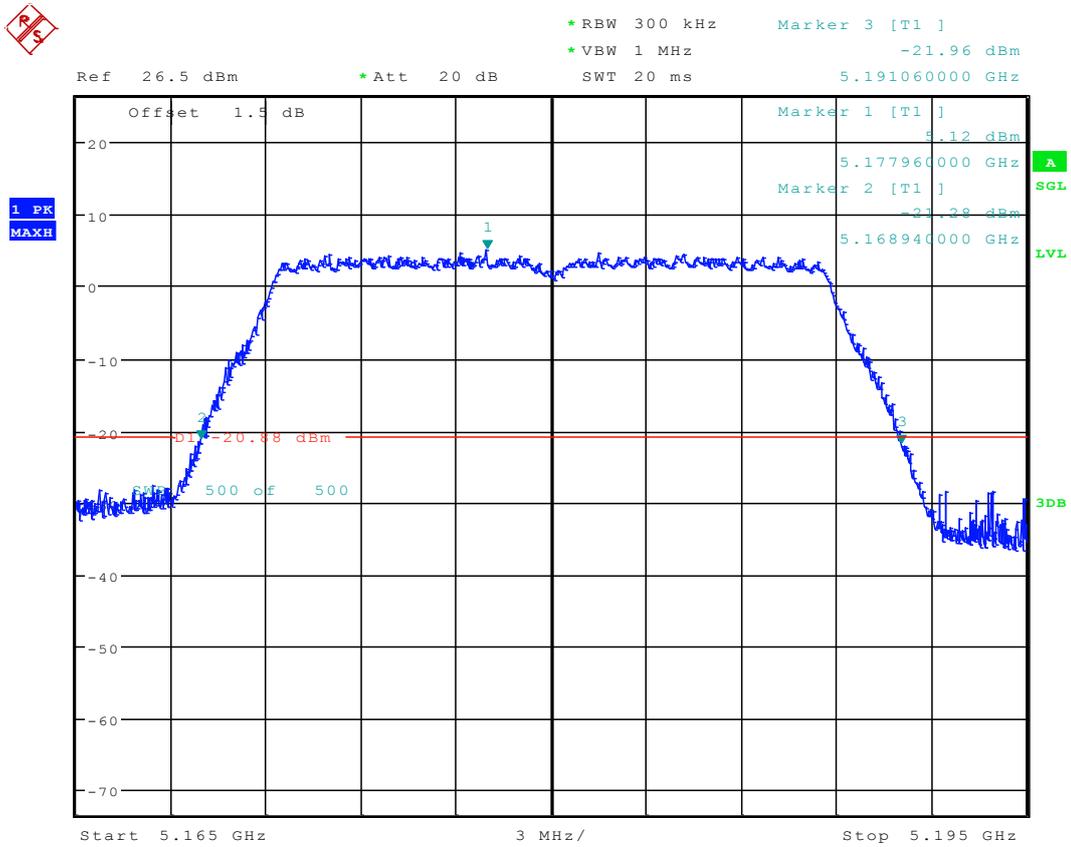
### 3.32 11A20\_CDD\_165 ANT 2



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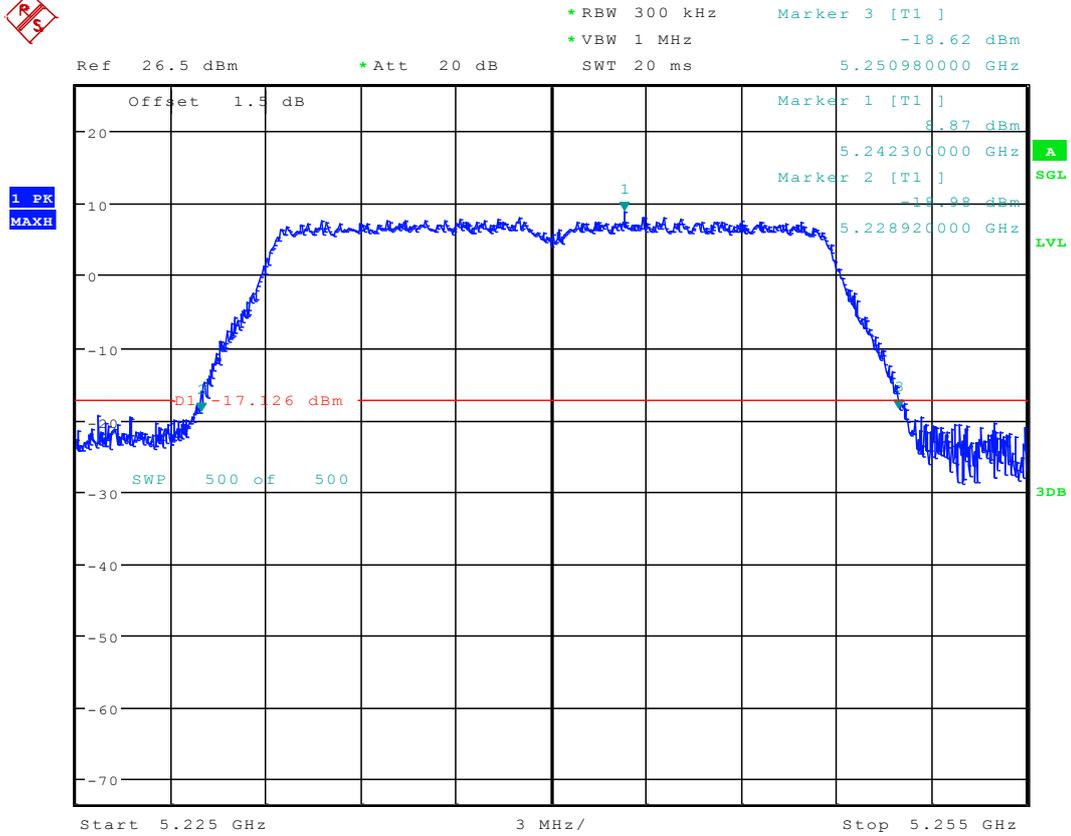


### 3.34 11N20\_36 ANT 2



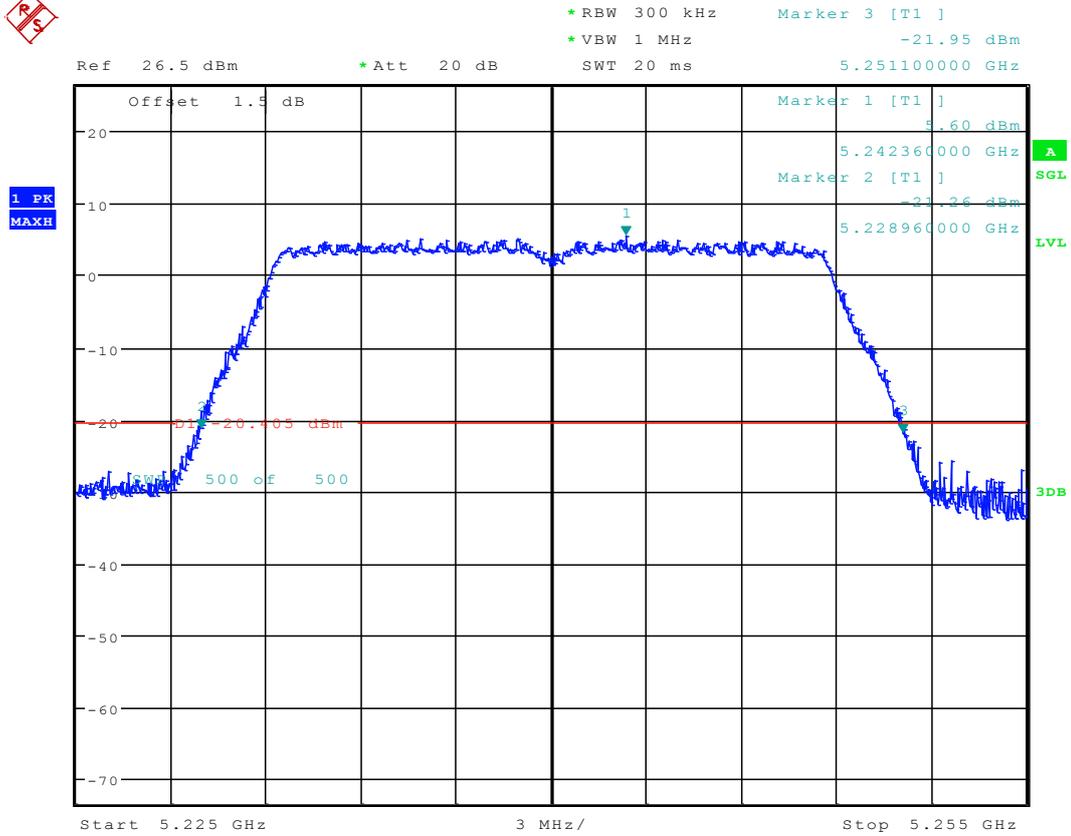
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### 3.35 11N20\_48 ANT 1



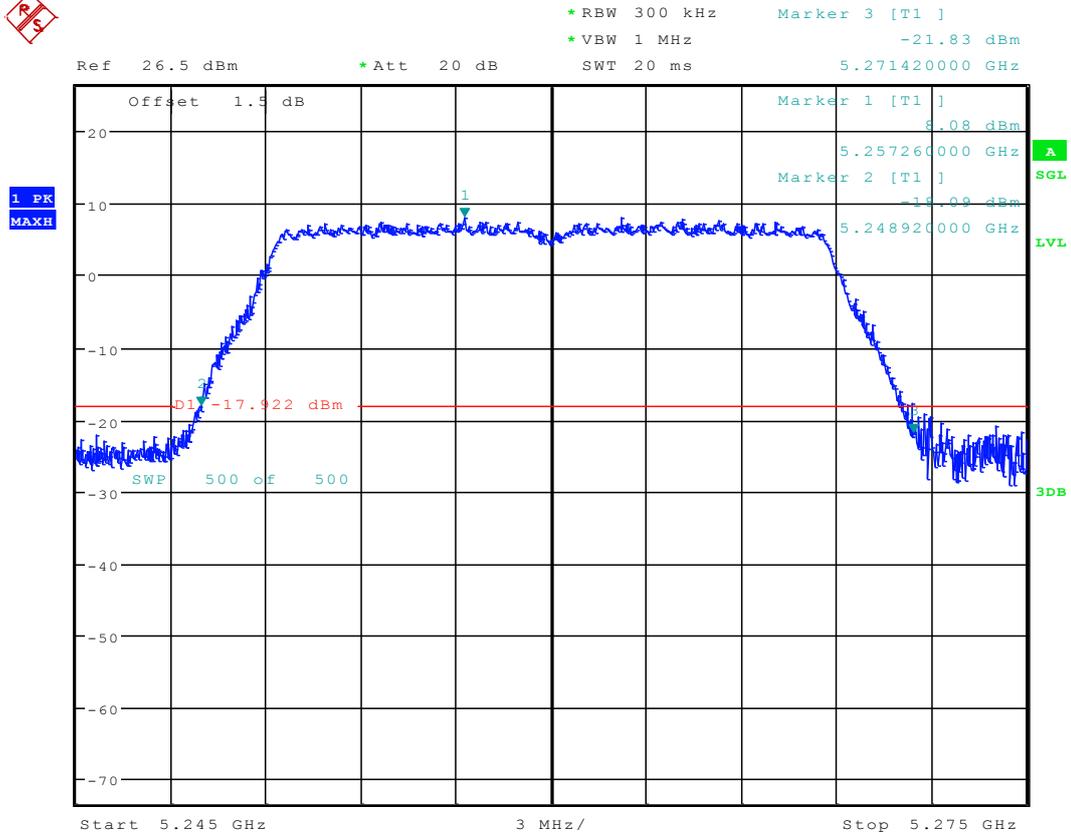
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### 3.36 11N20\_48 ANT 2



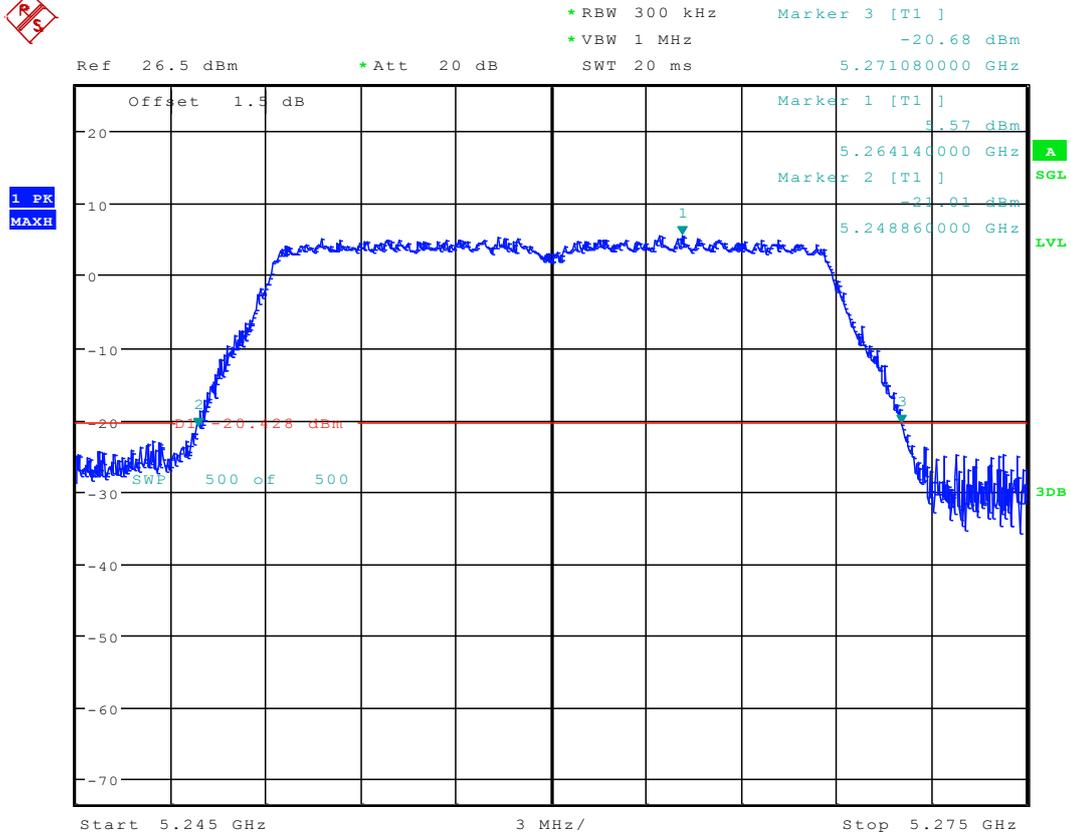
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### 3.37 11N20\_52 ANT 1



Date: 2.DEC.2017 08:20:14

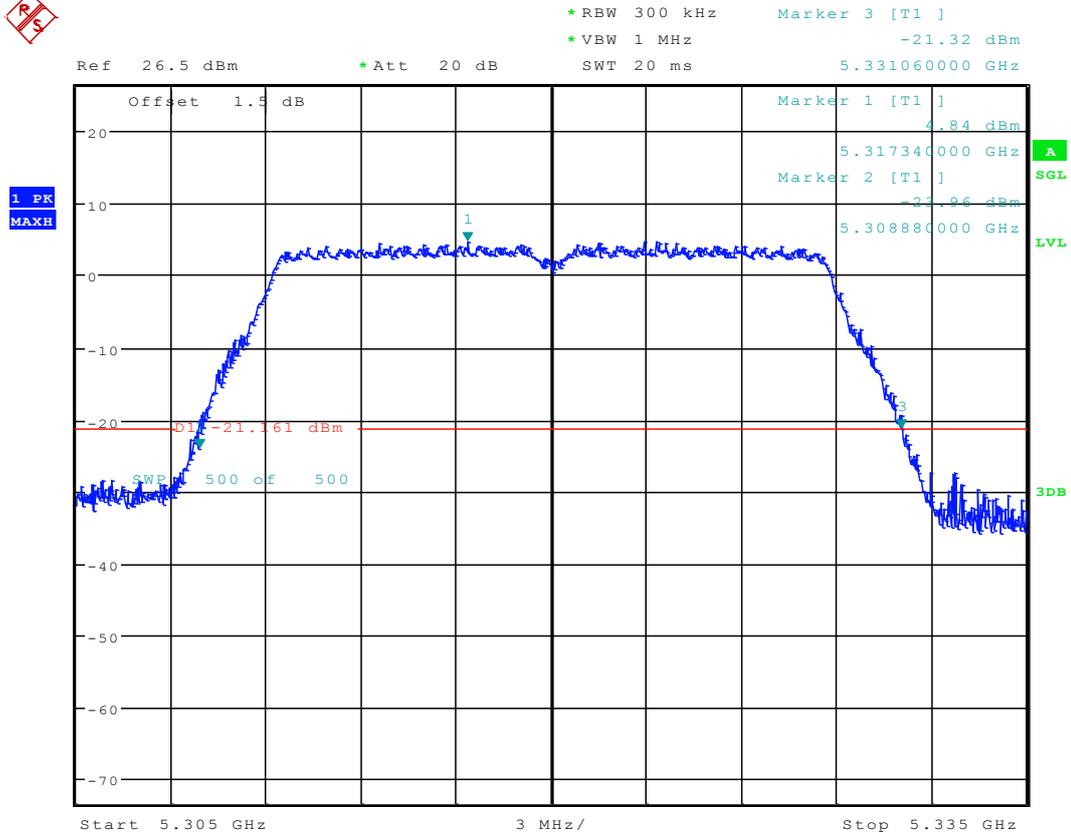
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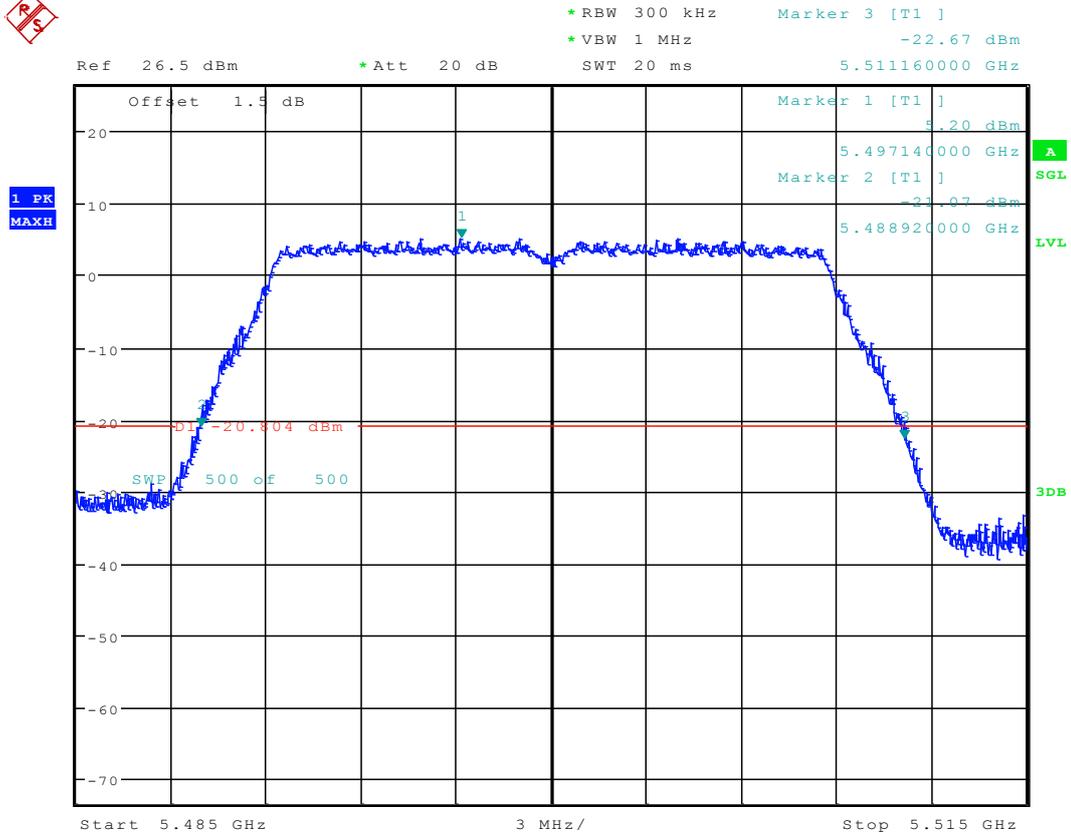


### 3.40 11N20\_64 ANT 2



Date: 2.DEC.2017 12:10:10

### 3.41 11N20\_100 ANT 1



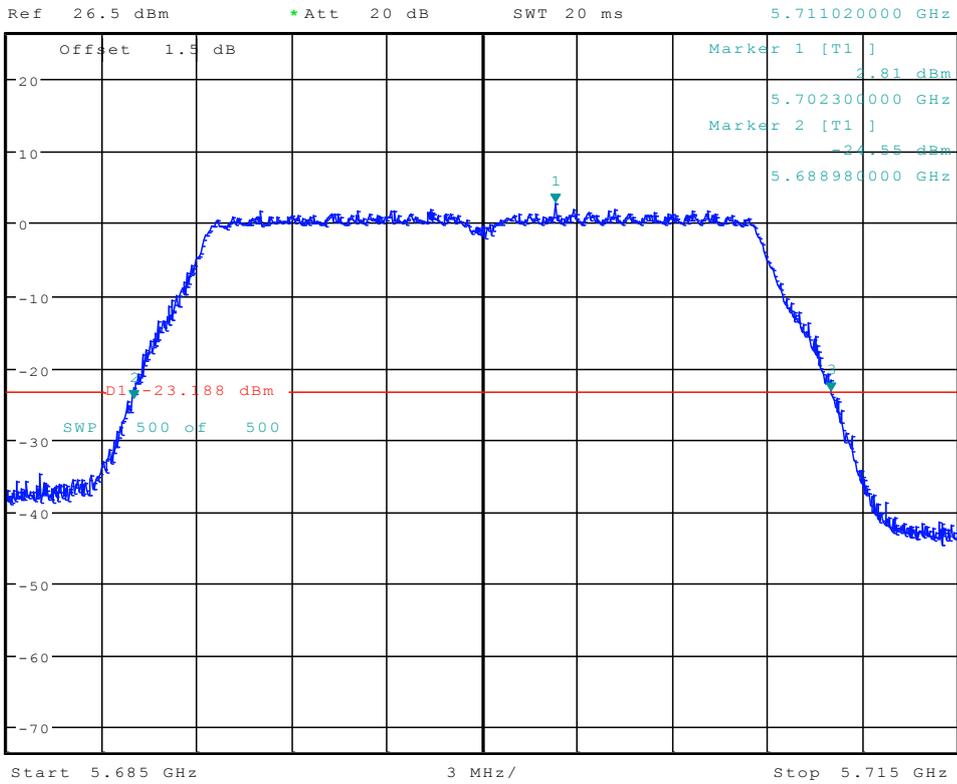
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### 3.43 11N20\_140 ANT 1

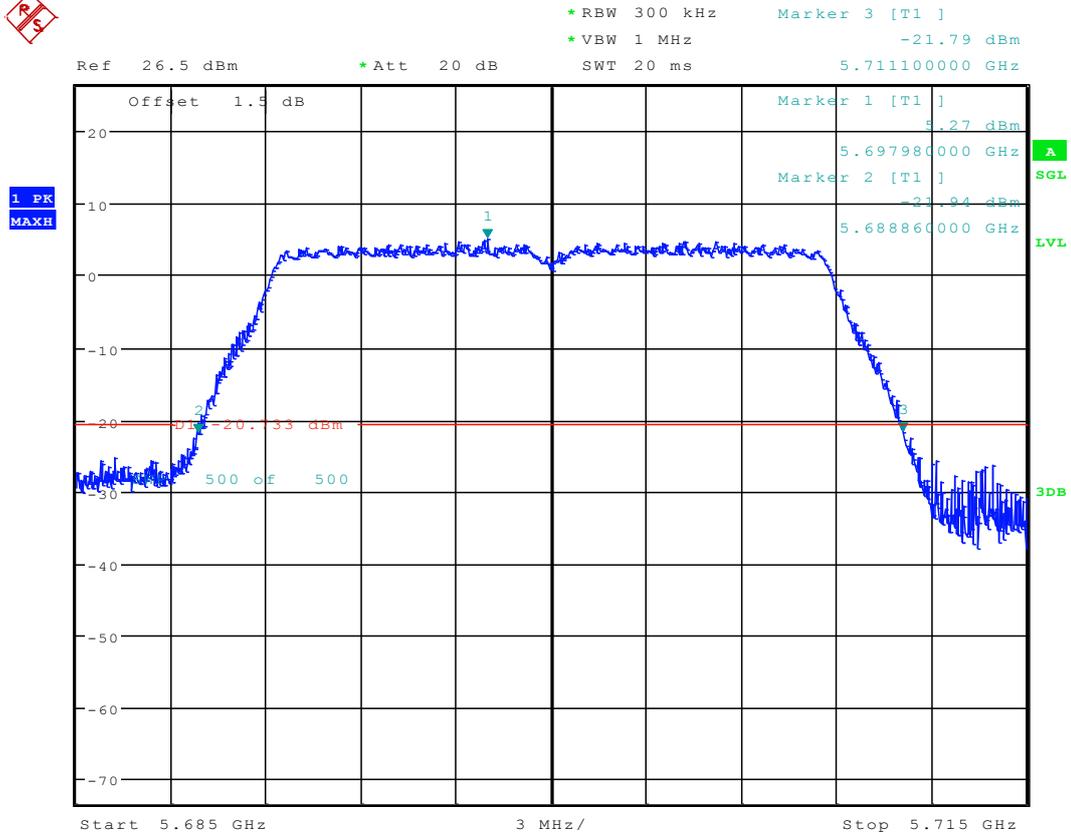


\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -23.30 dBm  
 SWT 20 ms      5.711020000 GHz



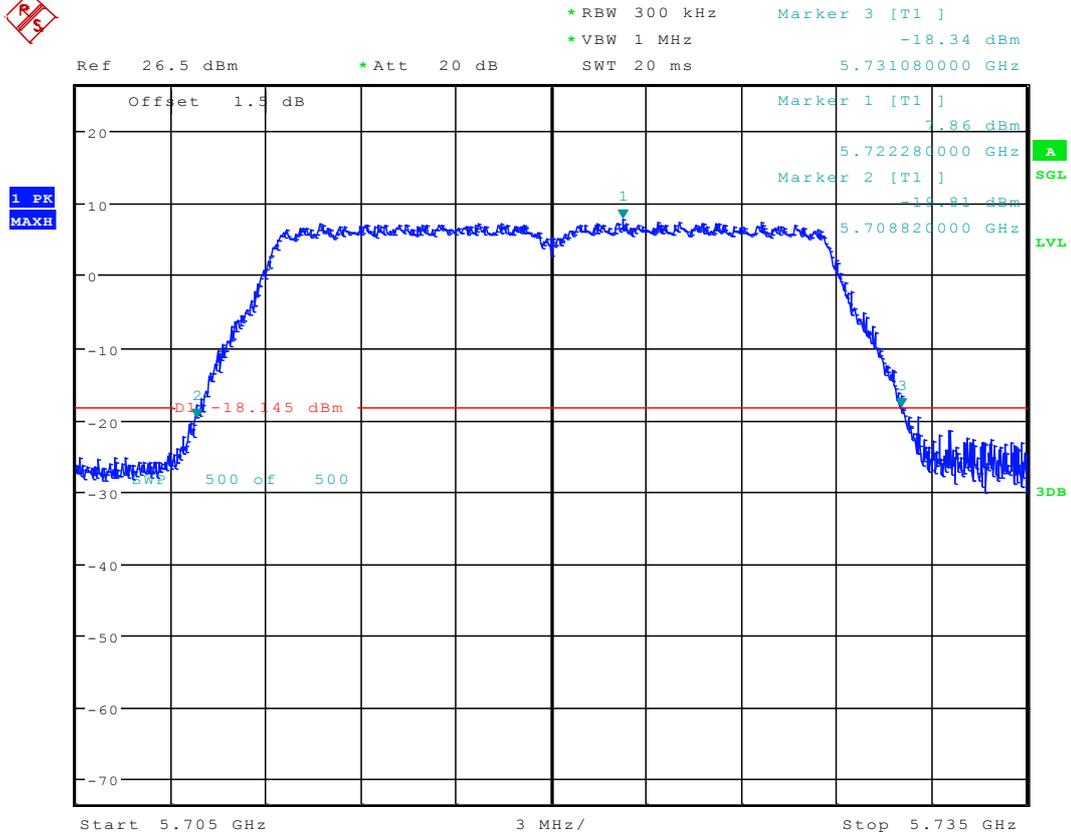
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### 3.44 11N20\_140 ANT 2



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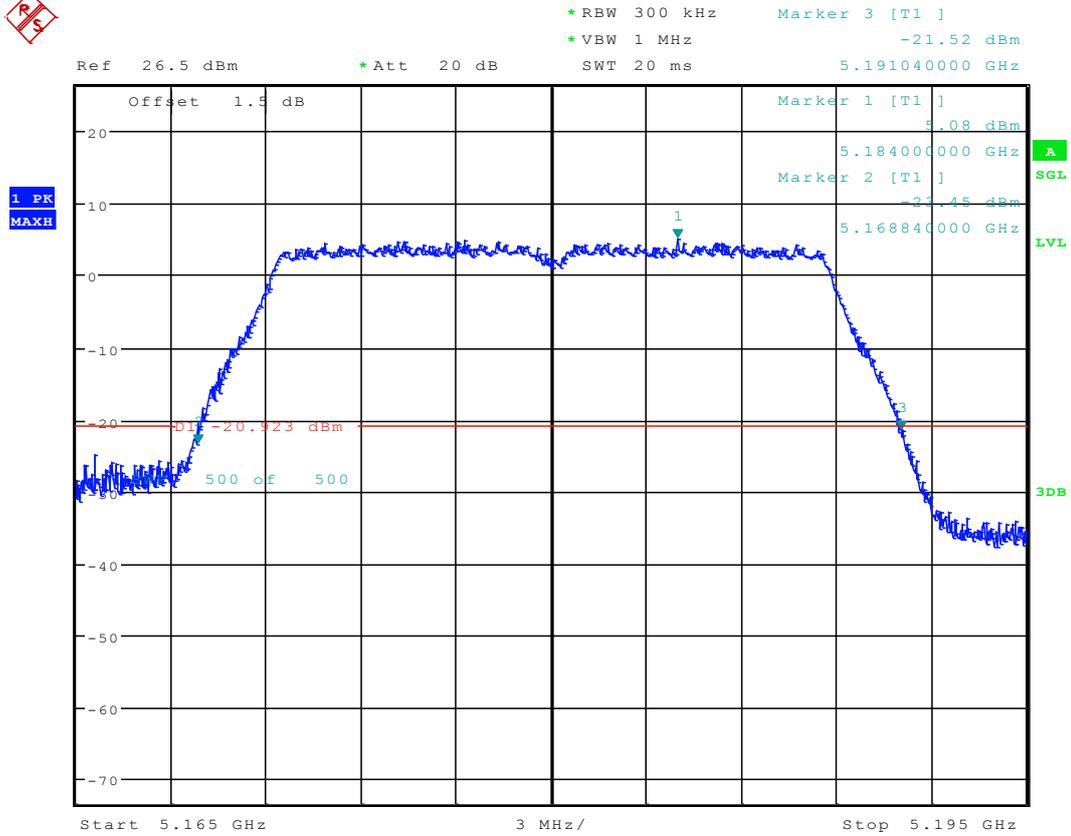
### 3.45 11N20\_144 ANT 1



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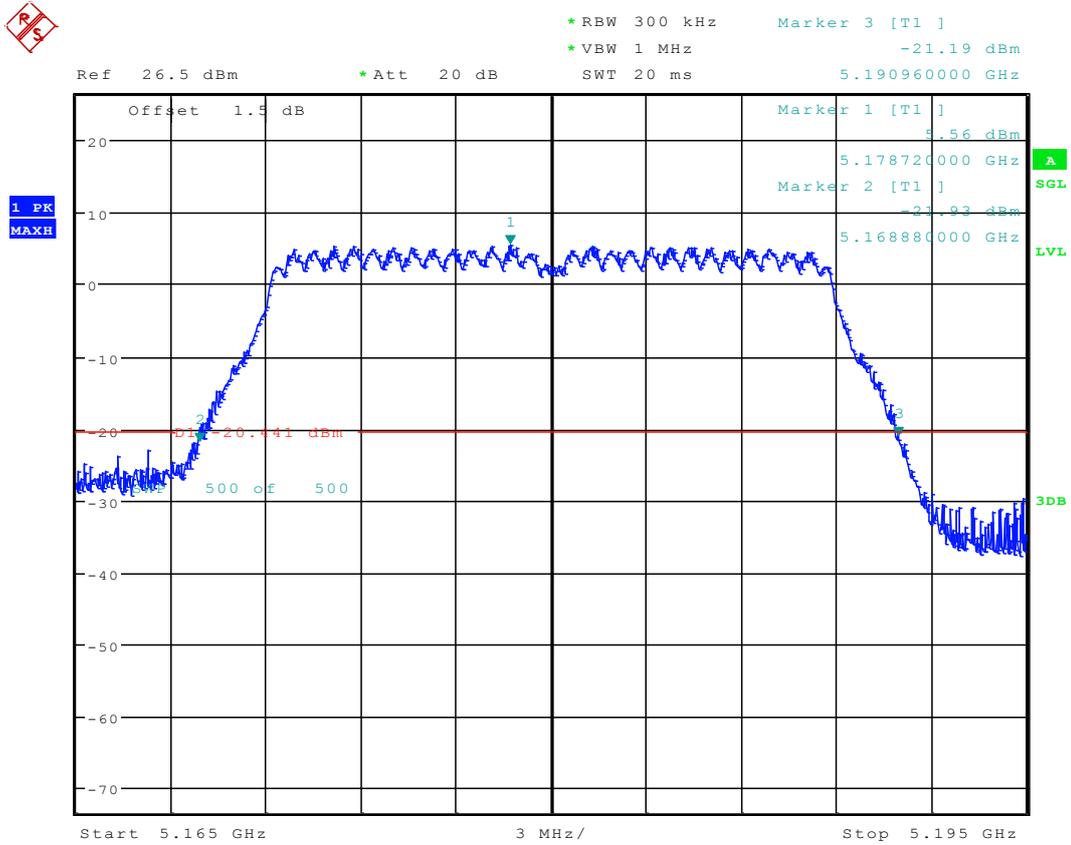


### 3.47 11N20MIMO\_36 ANT 1



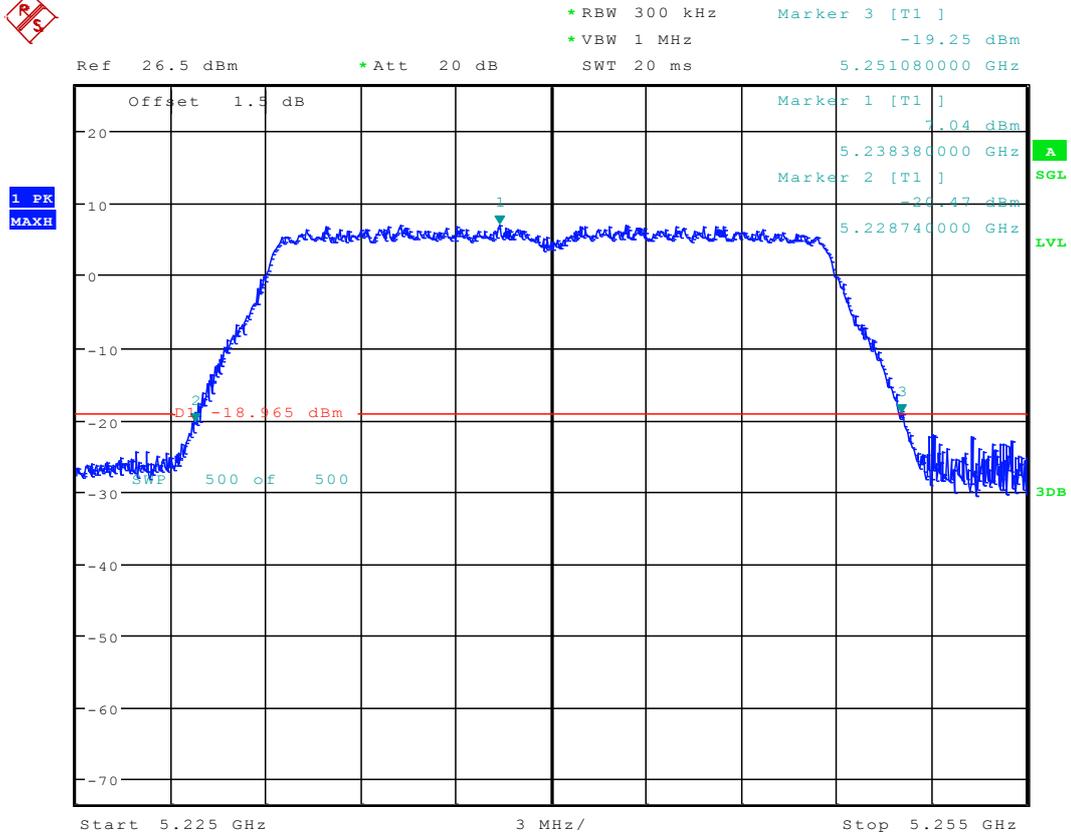
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### 3.48 11N20MIMO\_36 ANT 2



Date: 2.DEC.2017 16:33:23

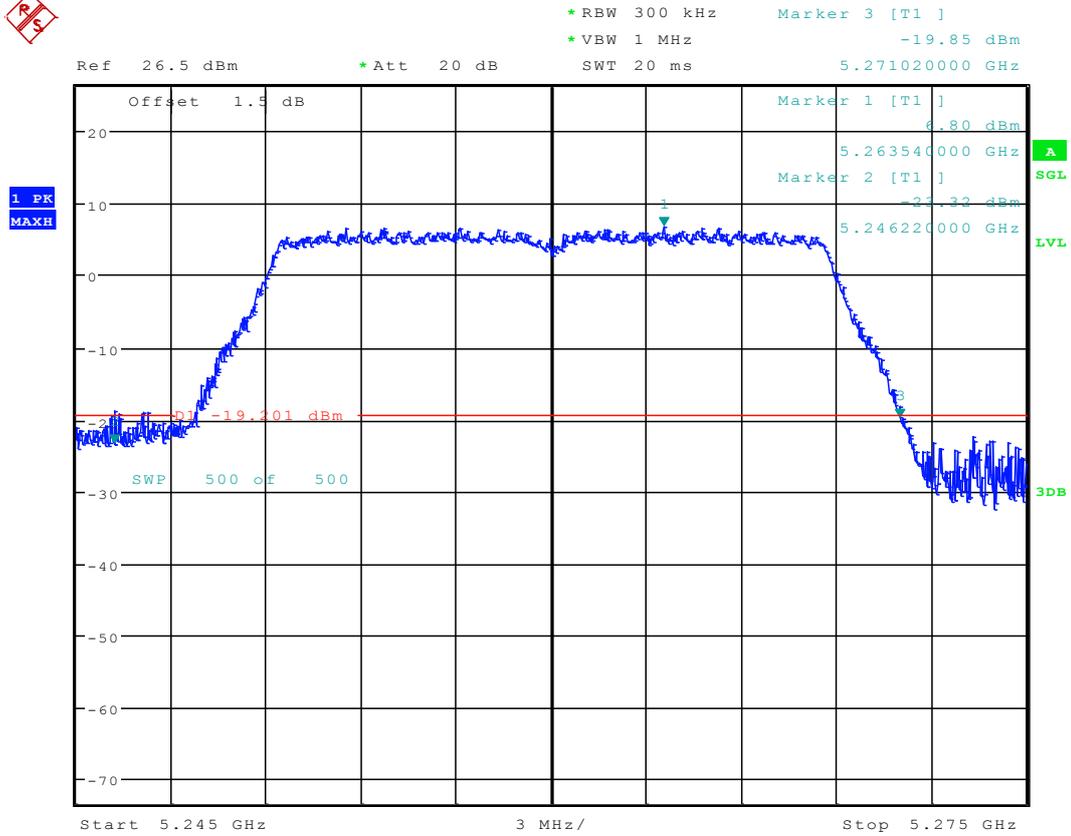
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Date: 2.DEC.2017 18:42:13



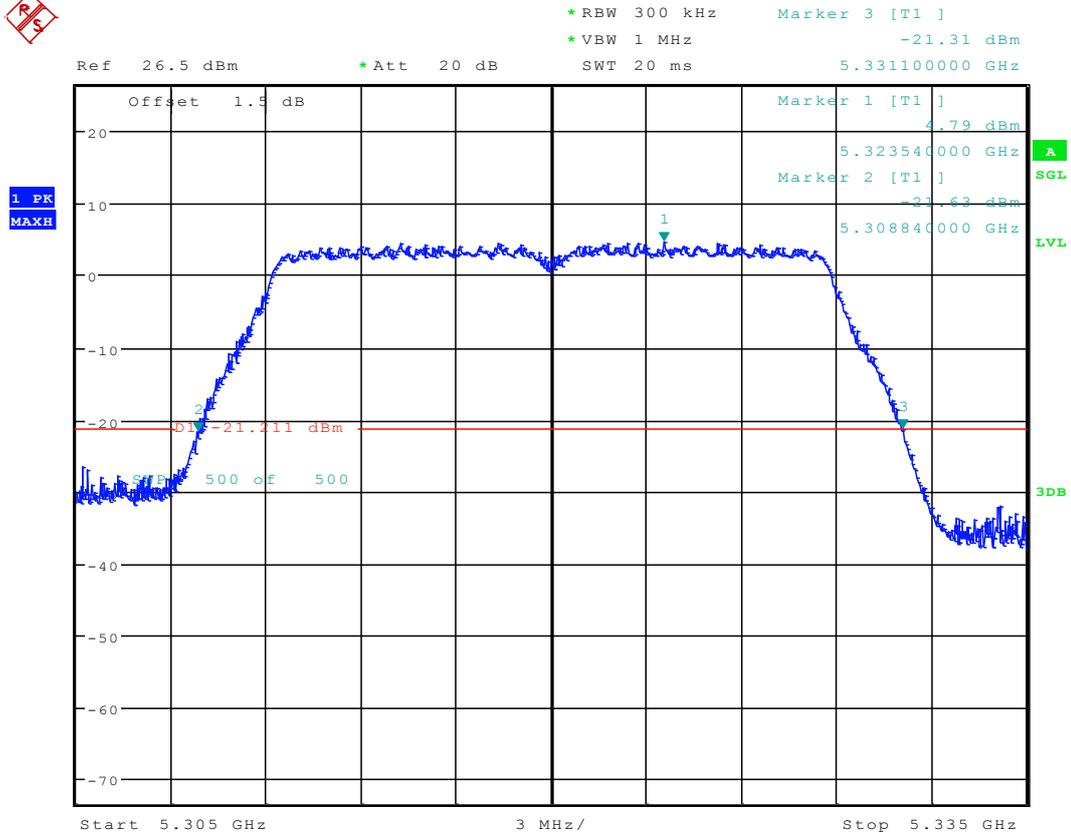
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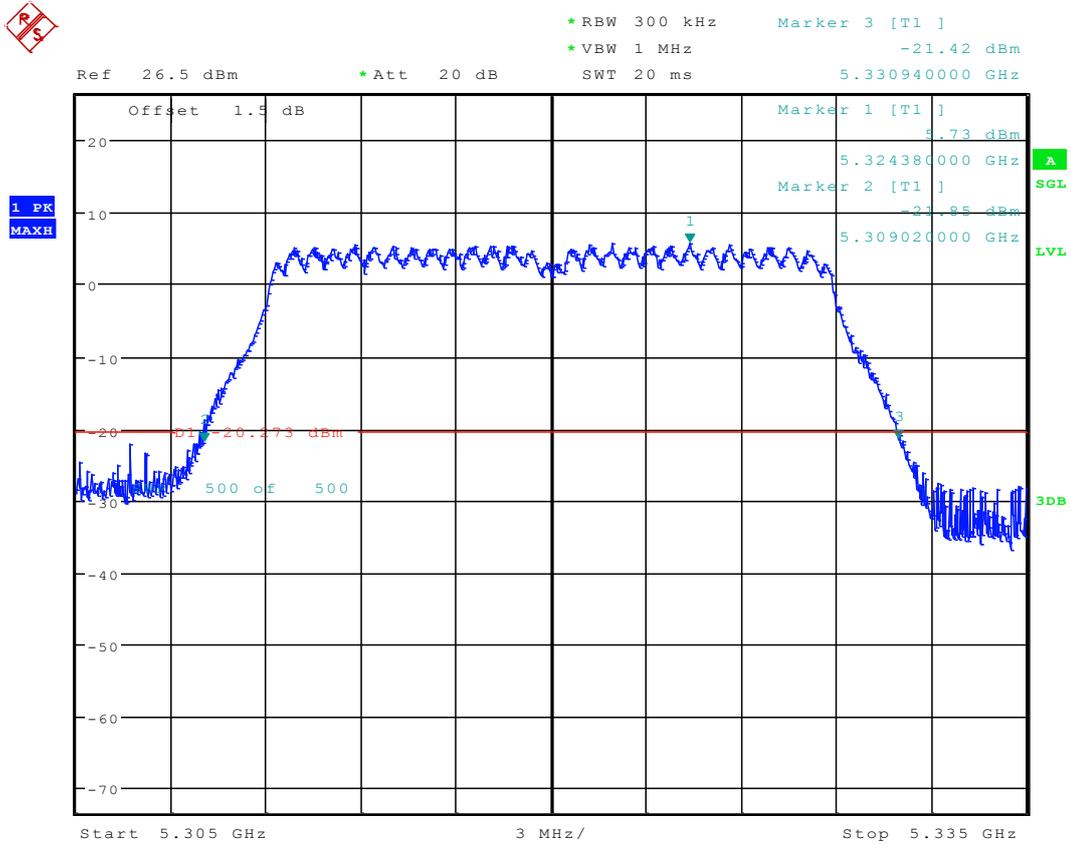


### 3.53 11N20MIMO\_64 ANT 1



Date: 2.DEC.2017 14:02:38

### 3.54 11N20MIMO\_64 ANT 2

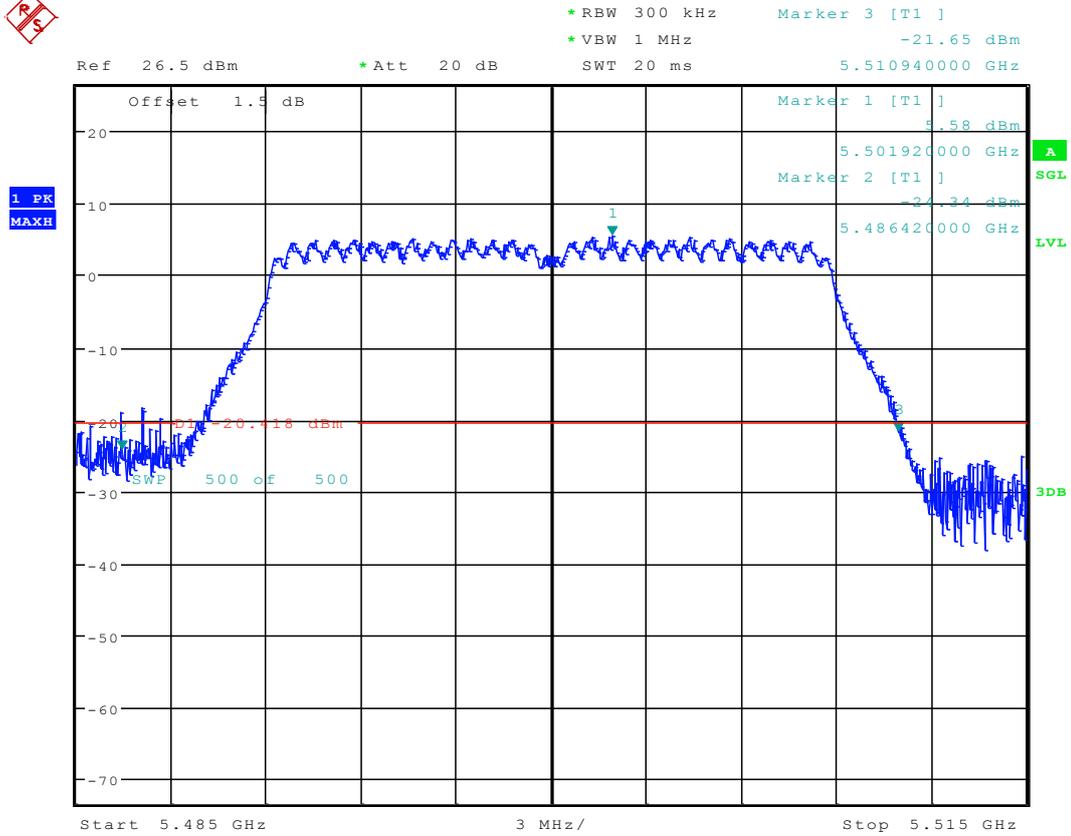


Date: 2.DEC.2017 16:40:59





### 3.56 11N20MIMO\_100 ANT 2

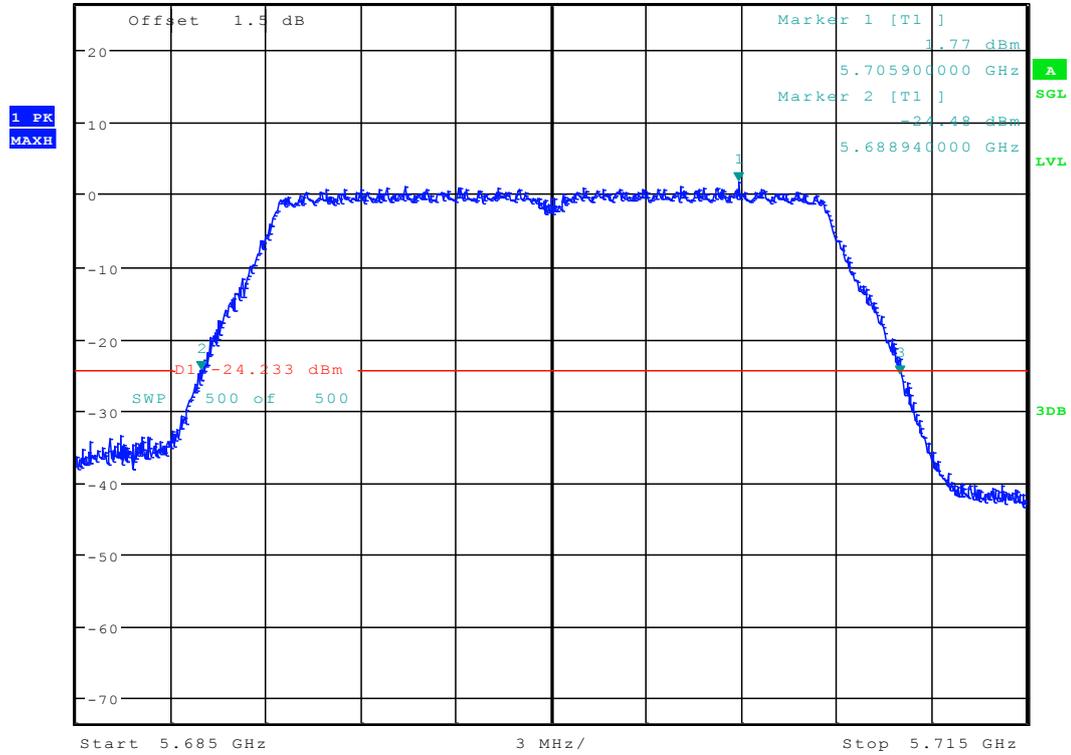


Date: 2.DEC.2017 16:43:05

### 3.57 11N20MIMO\_140 ANT 1

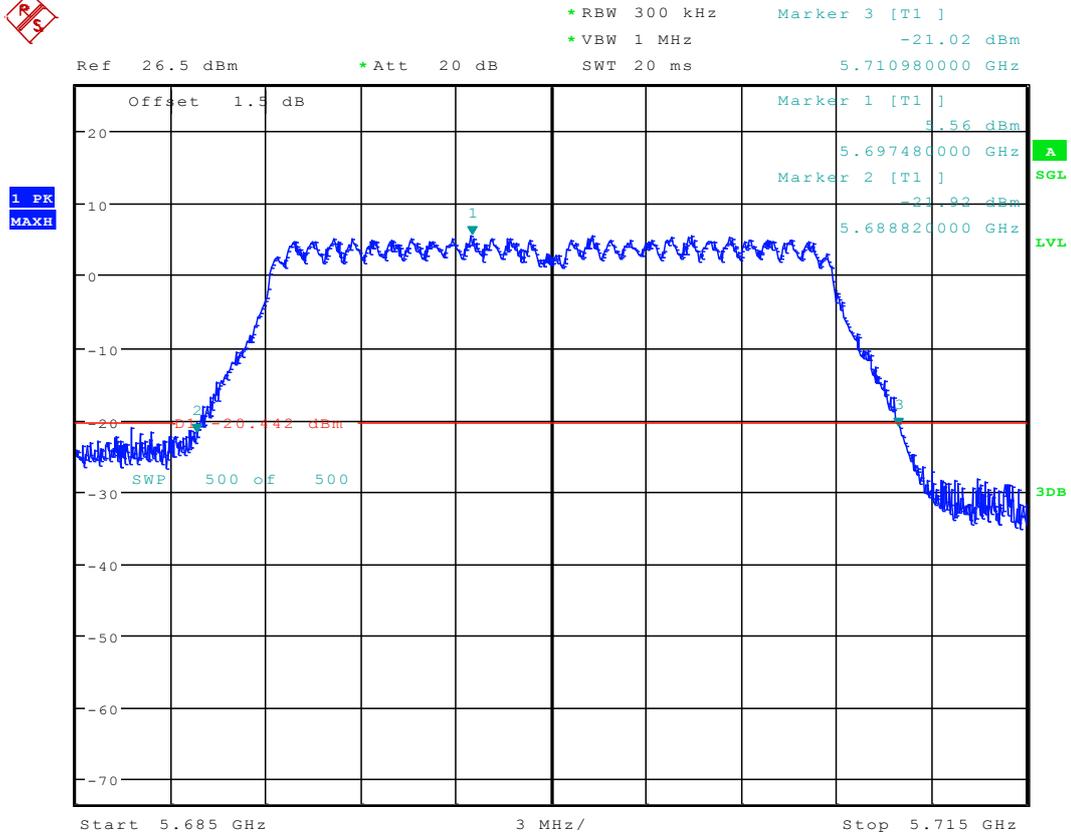


\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -25.03 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.711020000 GHz



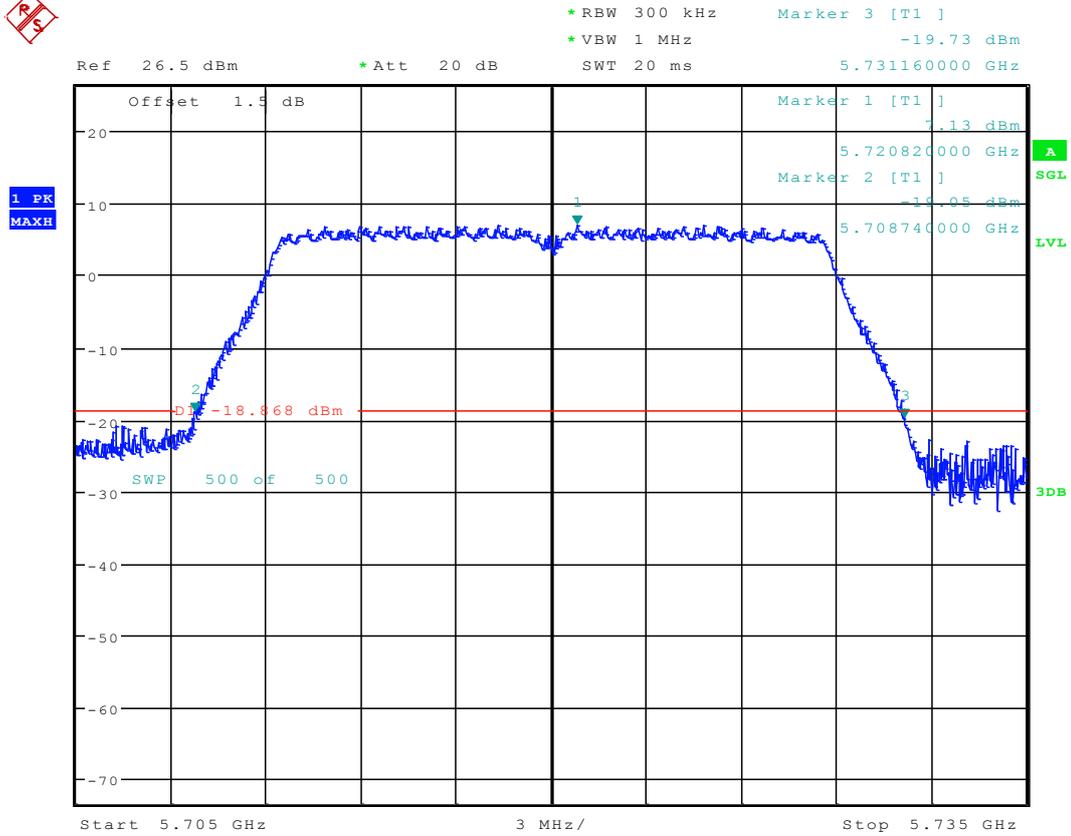
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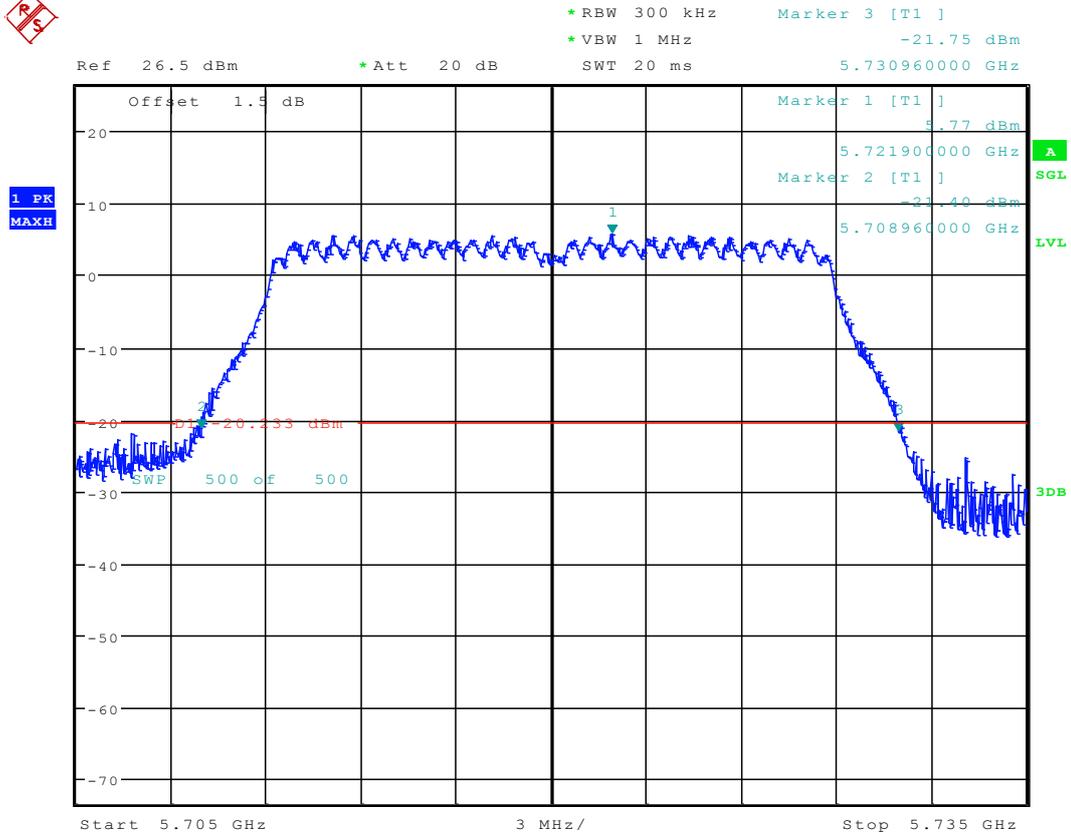
Date: 2.DEC.2017 16:45:27

### 3.59 11N20MIMO\_144 ANT 1



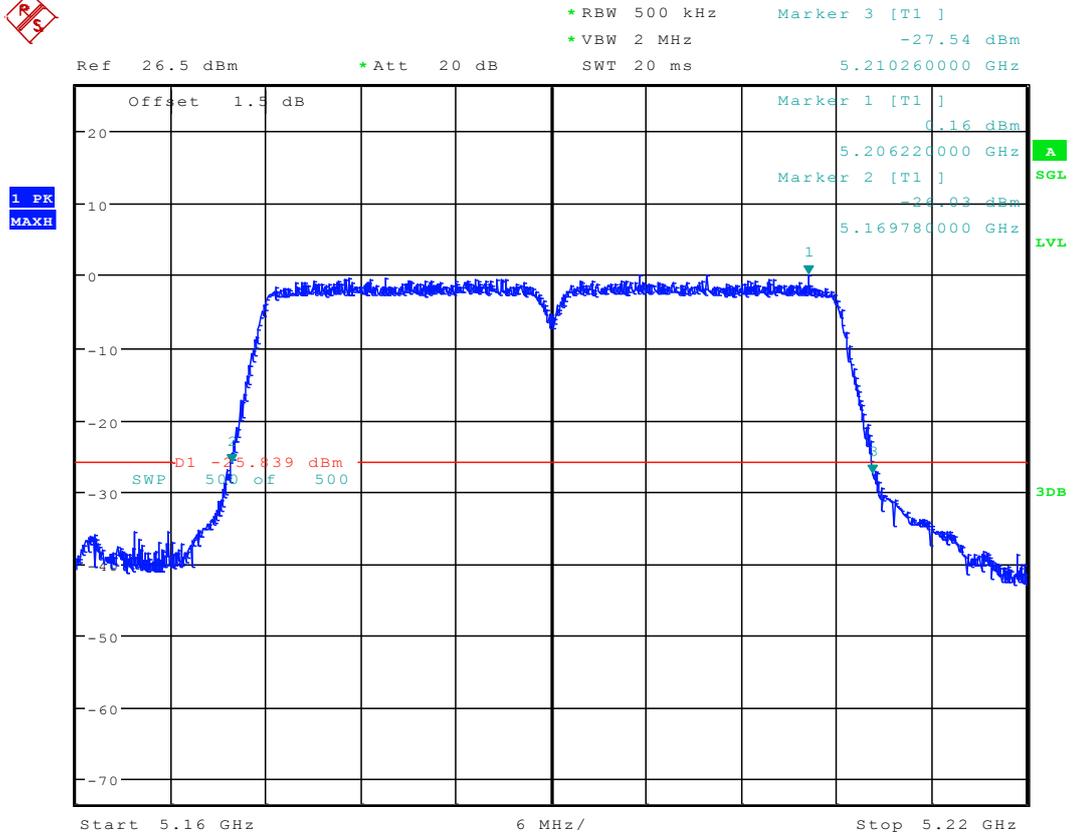
Date: 2.DEC.2017 14:11:48

### 3.60 11N20MIMO\_144 ANT 2



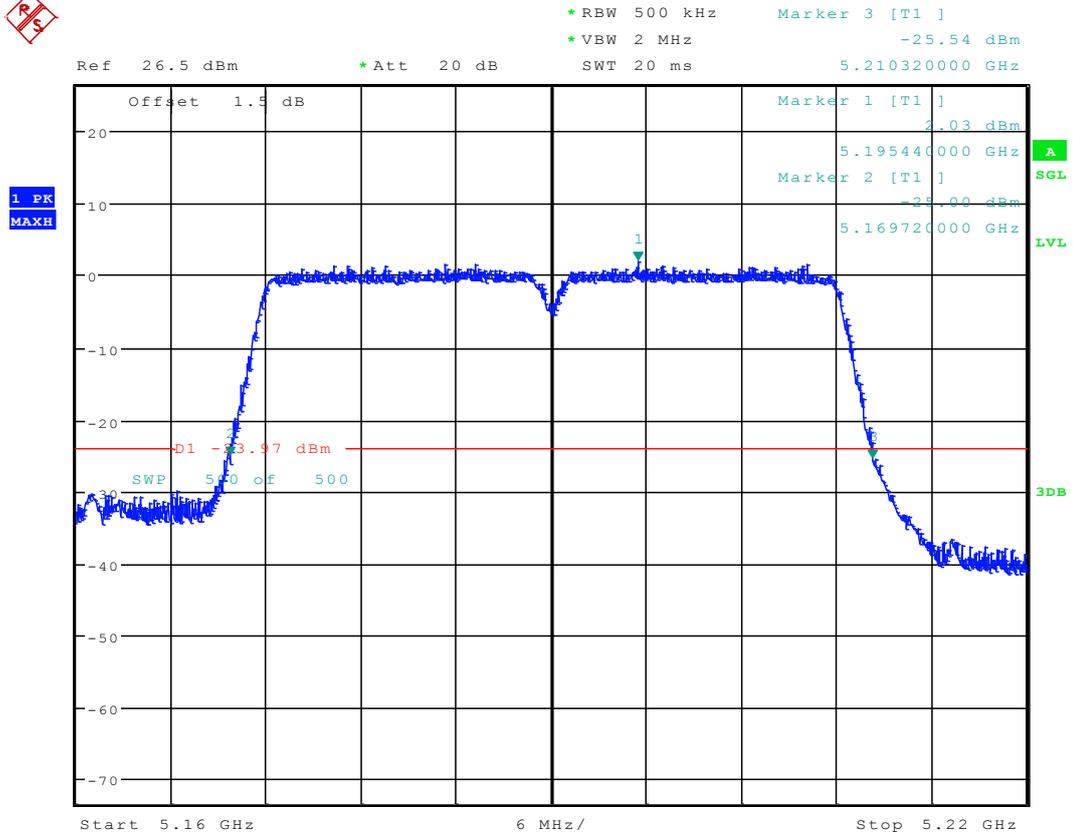
Date: 2.DEC.2017 16:47:33

## 3.61 11N40\_38 ANT 1



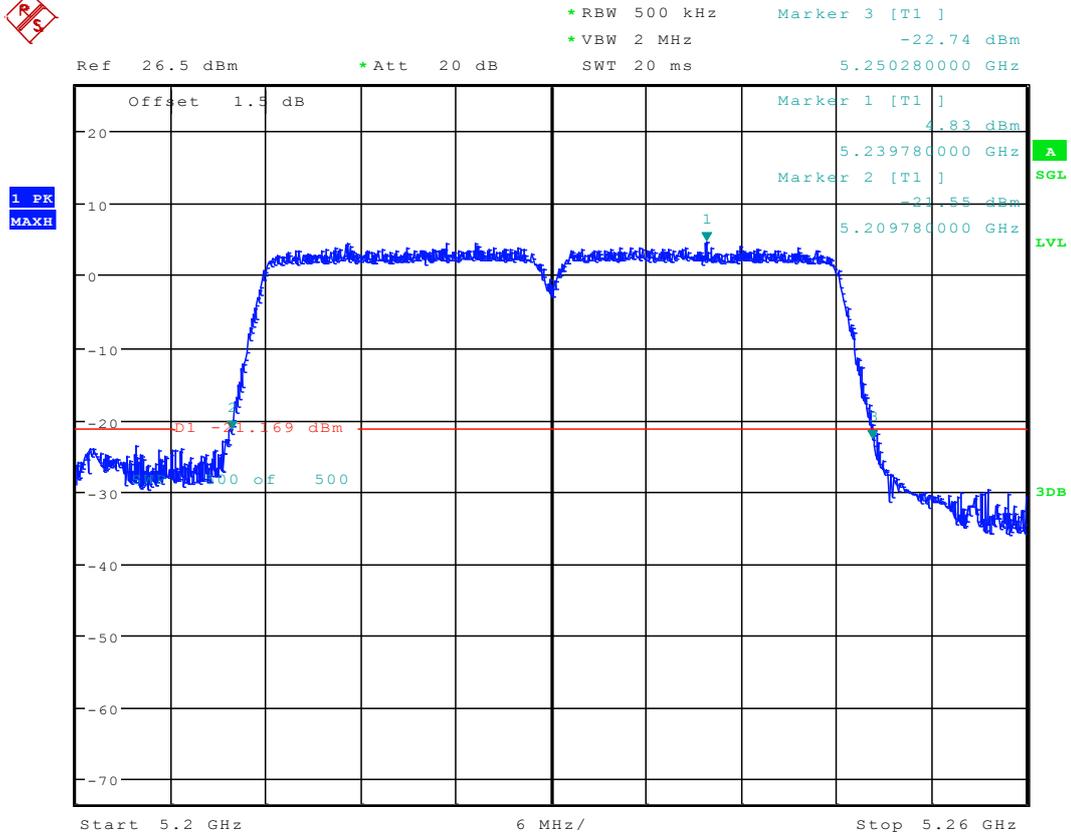
Date: 2.DEC.2017 08:42:42

## 3.62 11N40\_38 ANT 2



Date: 2.DEC.2017 12:31:53

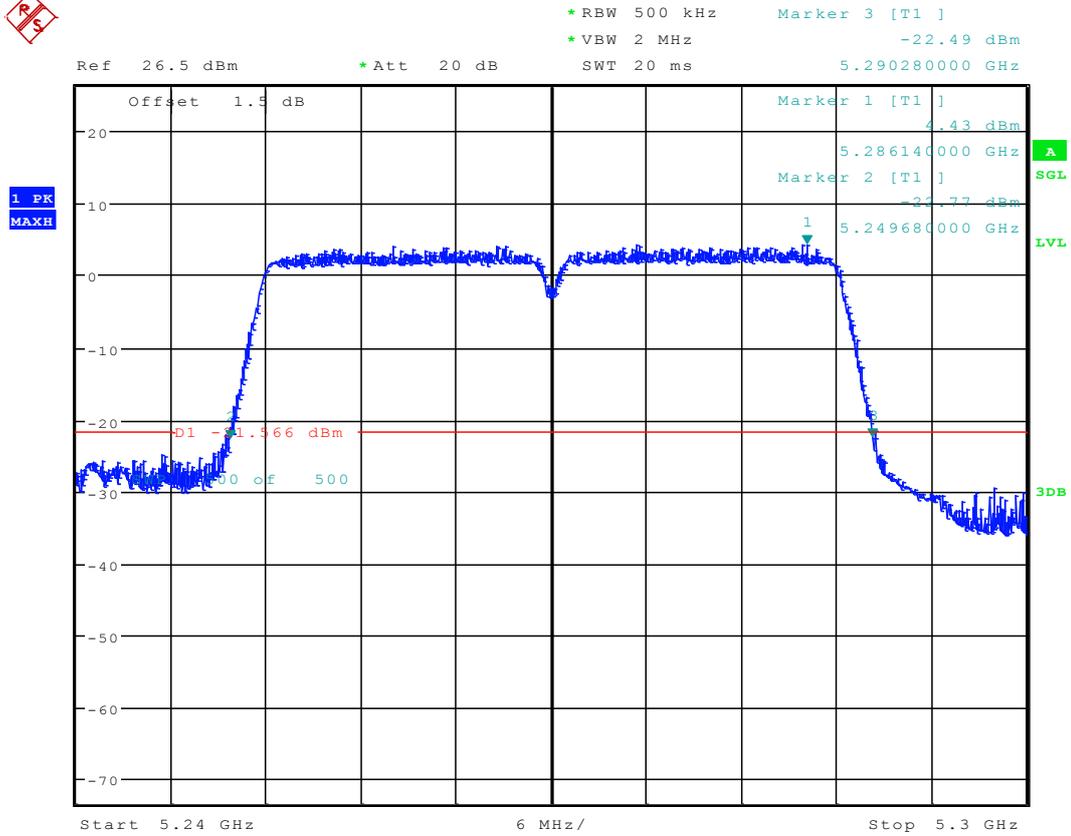
### 3.63 11N40\_46 ANT 1



Date: 2.DEC.2017 08:58:51

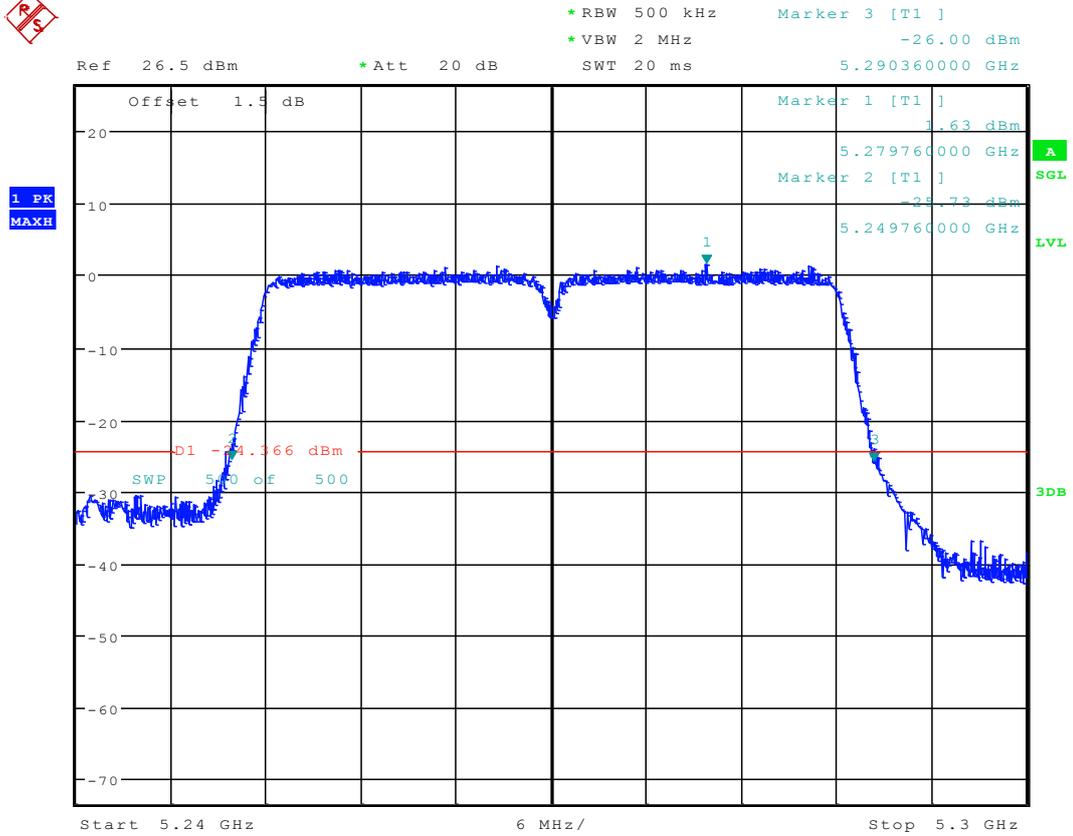


### 3.65 11N40\_54 ANT 1



Date: 2.DEC.2017 09:01:57

## 3.66 11N40\_54 ANT 2

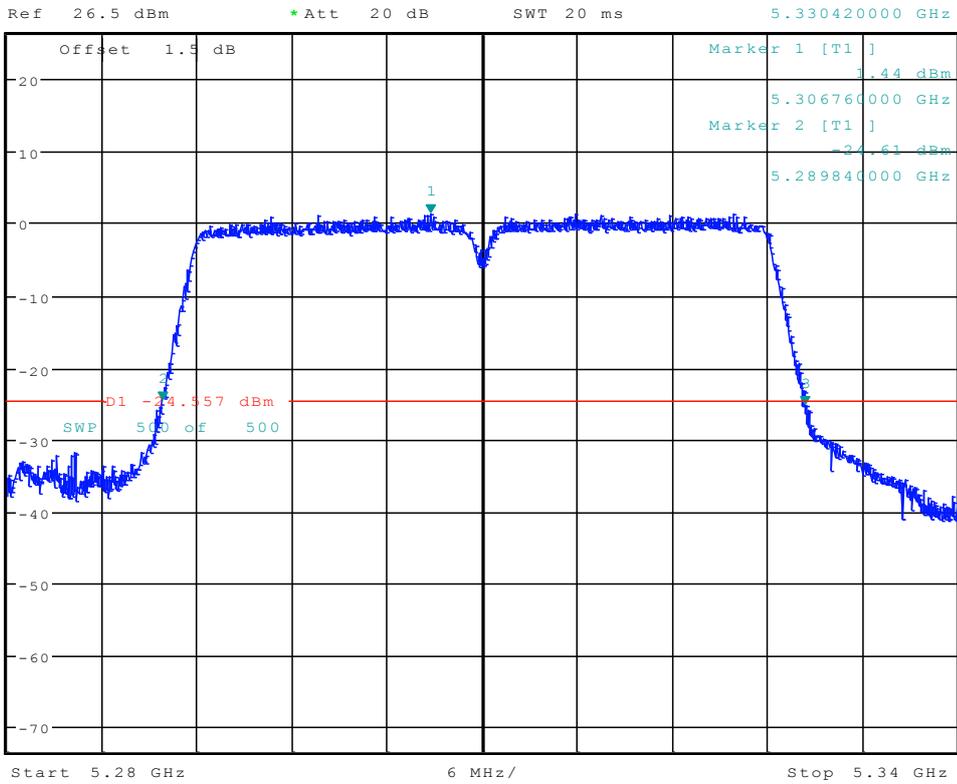


Date: 2.DEC.2017 12:37:58

### 3.67 11N40\_62 ANT 1

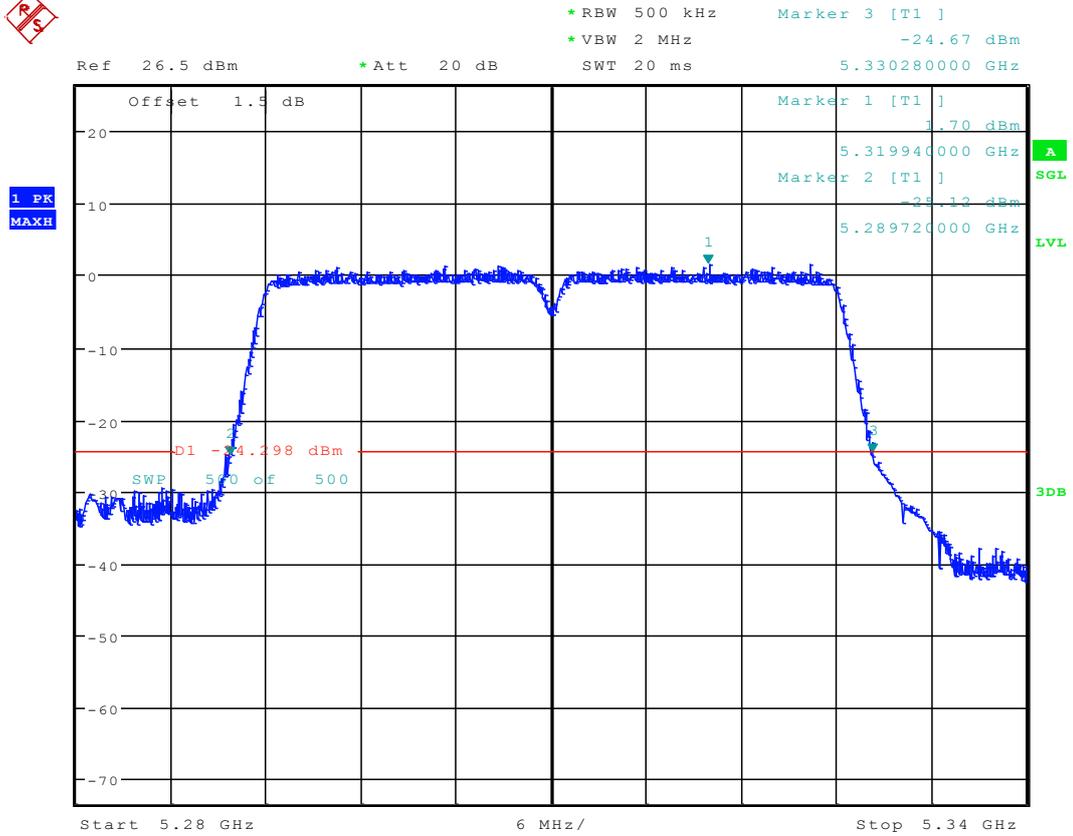


\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -25.36 dBm  
 SWT 20 ms      5.330420000 GHz



Date: 2.DEC.2017 09:04:05

## 3.68 11N40\_62 ANT 2

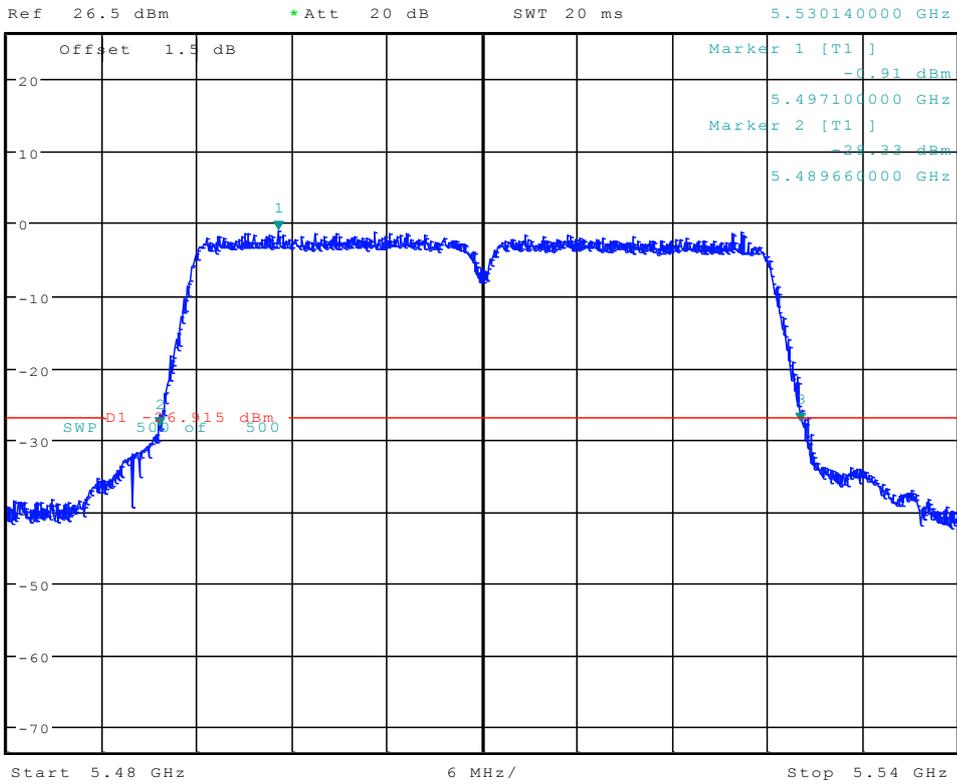


Date: 2.DEC.2017 12:40:27

### 3.69 11N40\_102 ANT 1

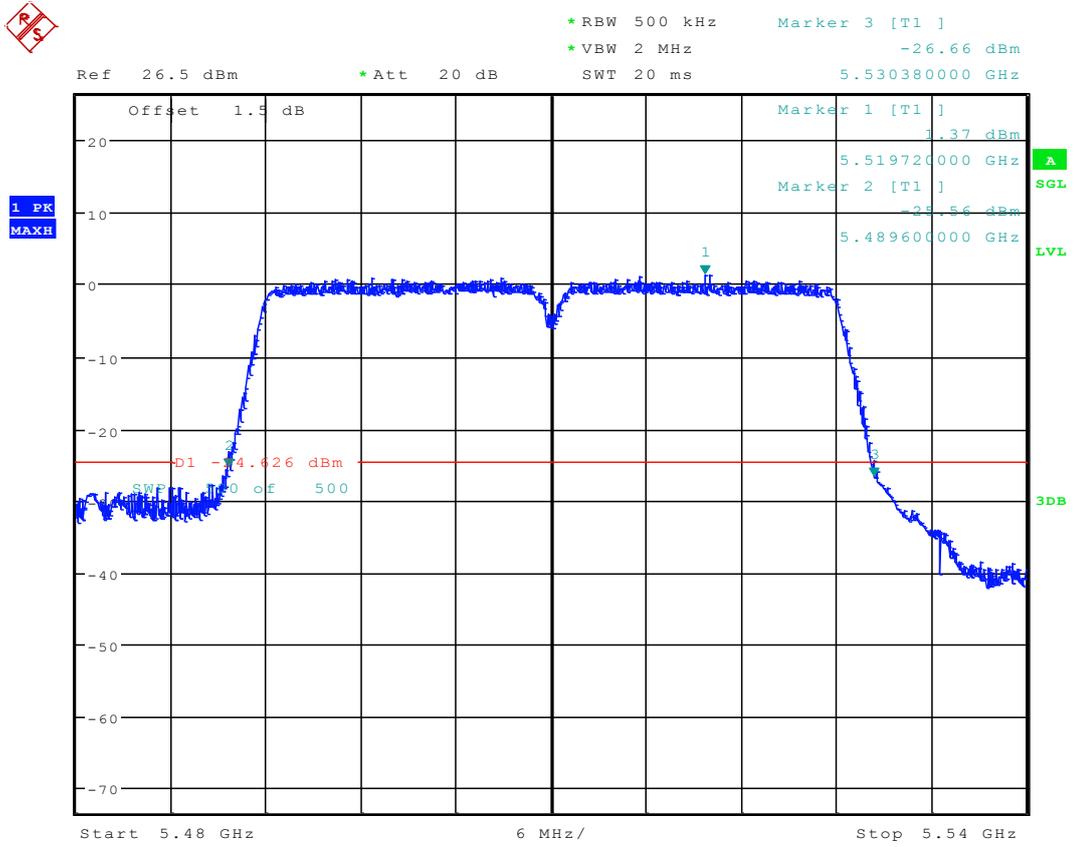


\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -27.67 dBm  
 SWT 20 ms      5.530140000 GHz



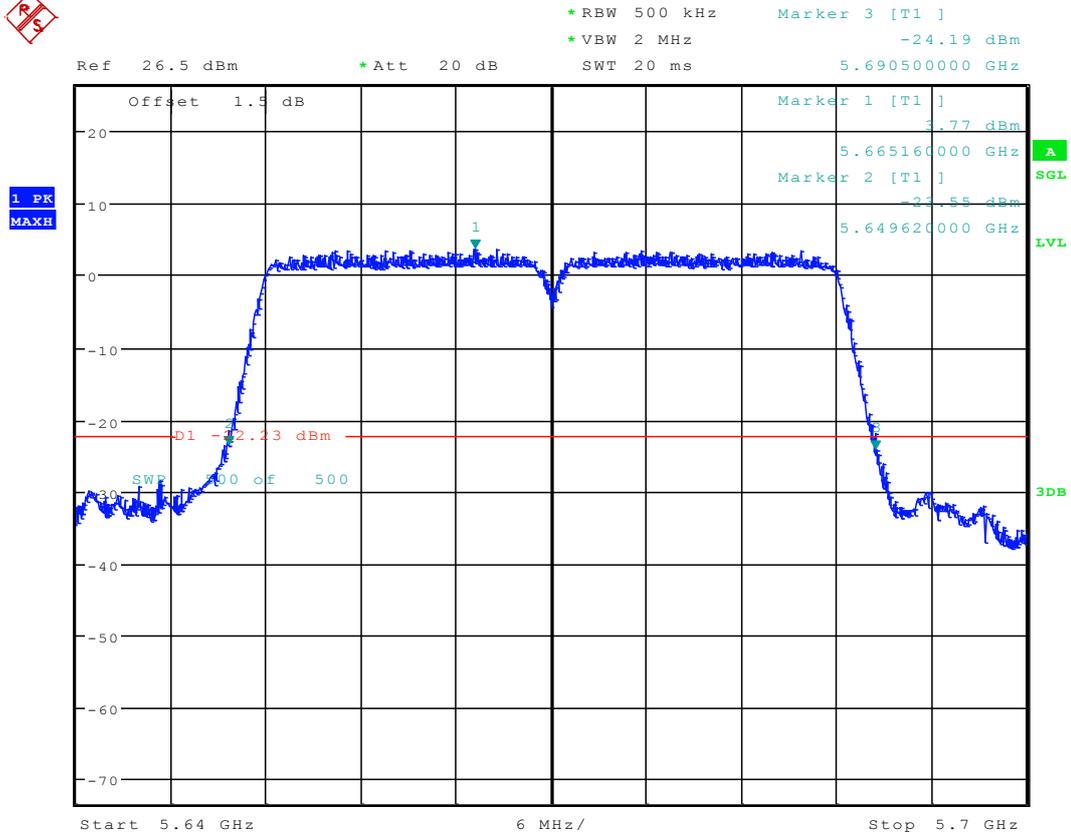
Date: 2.DEC.2017 09:06:59

### 3.70 11N40\_102 ANT 2



Date: 2.DEC.2017 12:43:51

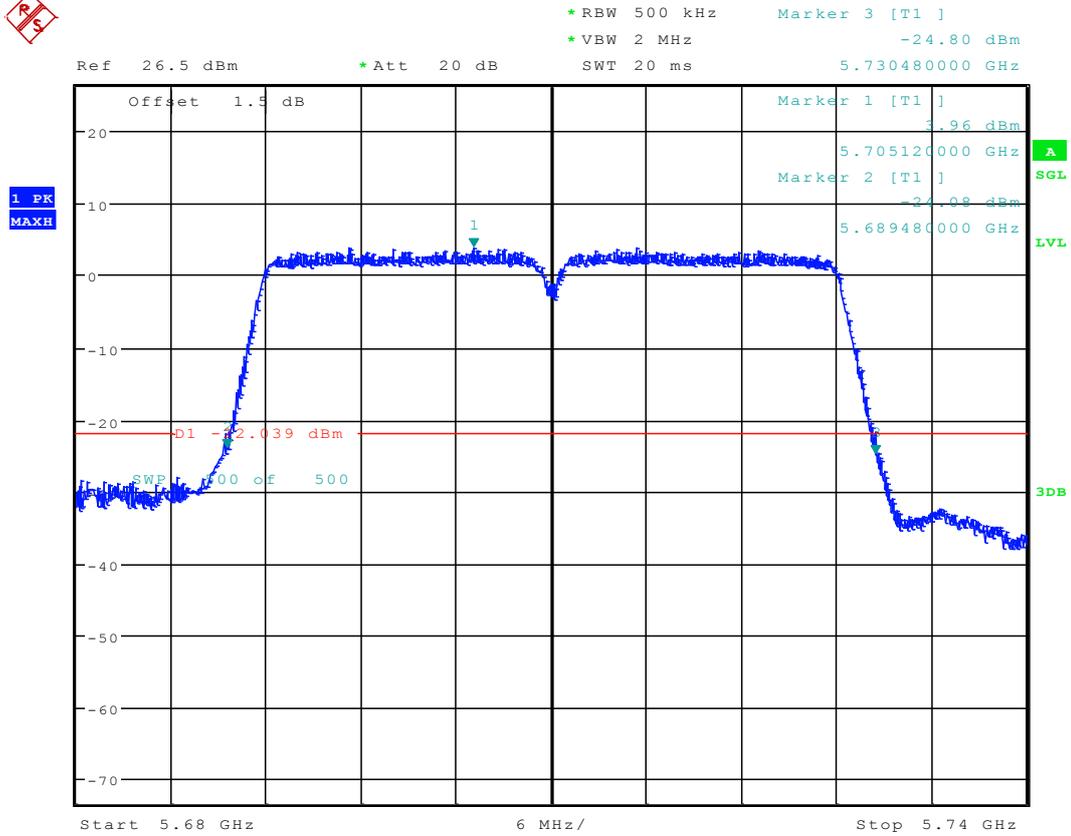
### 3.71 11N40\_134 ANT 1



Date: 2.DEC.2017 09:09:23

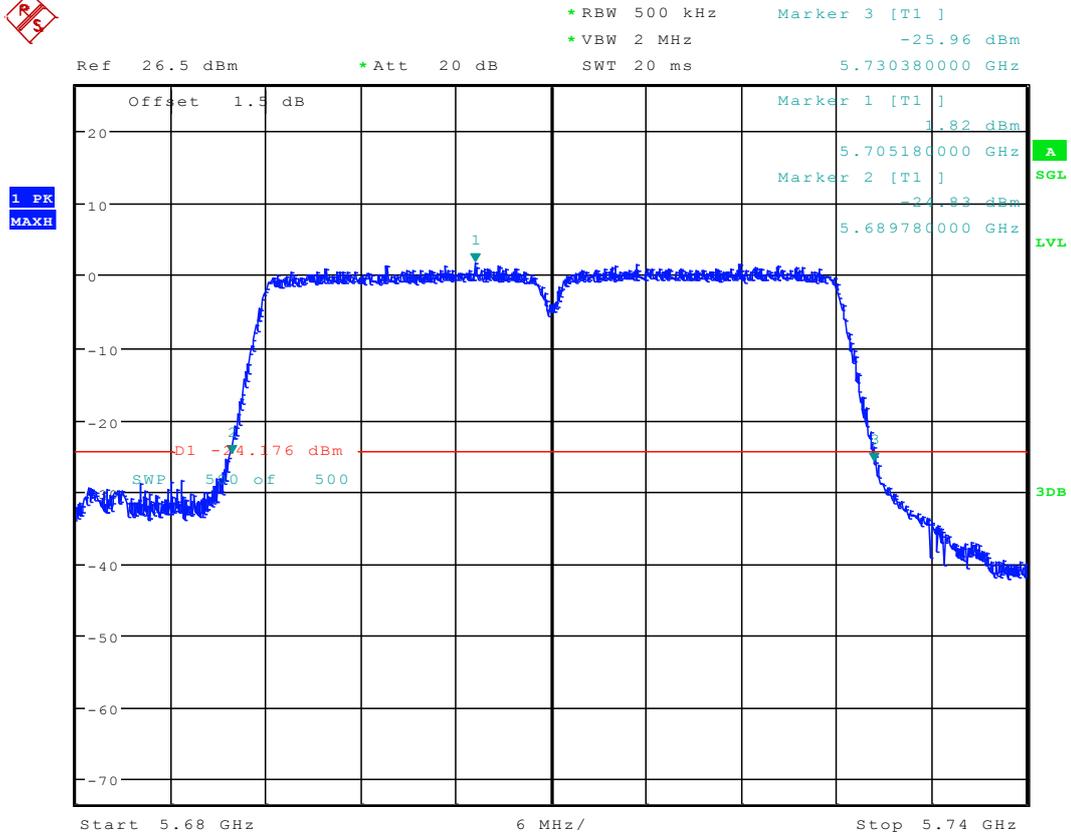


### 3.73 11N40\_142 ANT 1



Date: 2.DEC.2017 09:11:29

### 3.74 11N40\_142 ANT 2

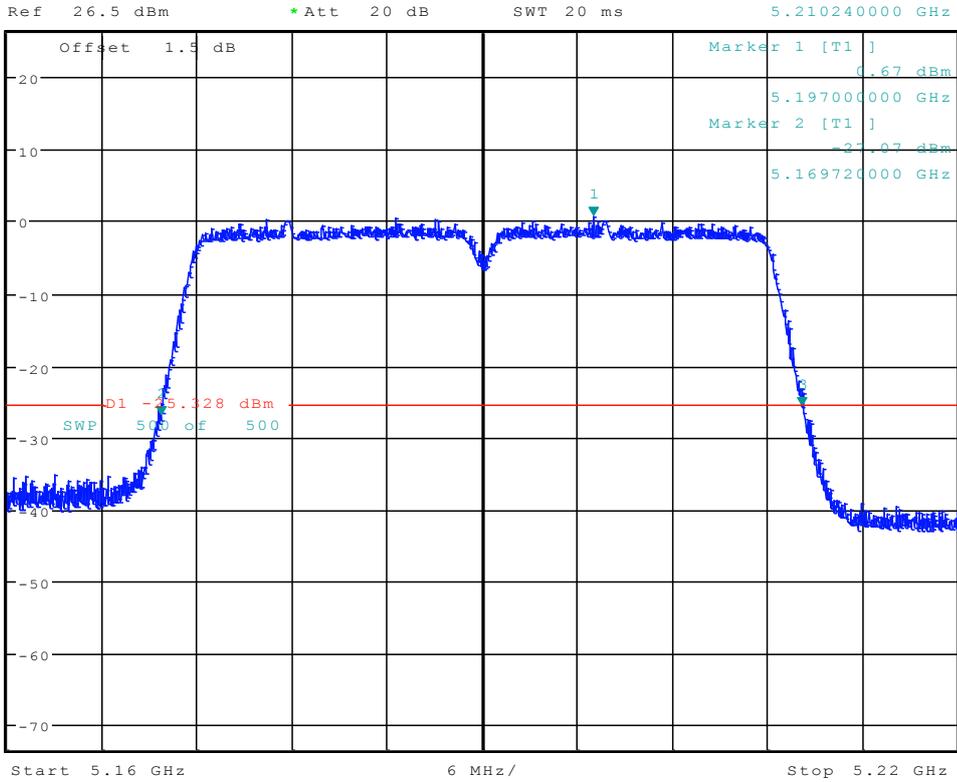


Date: 2.DEC.2017 12:46:15

### 3.75 11N40MIMO\_38 ANT 1

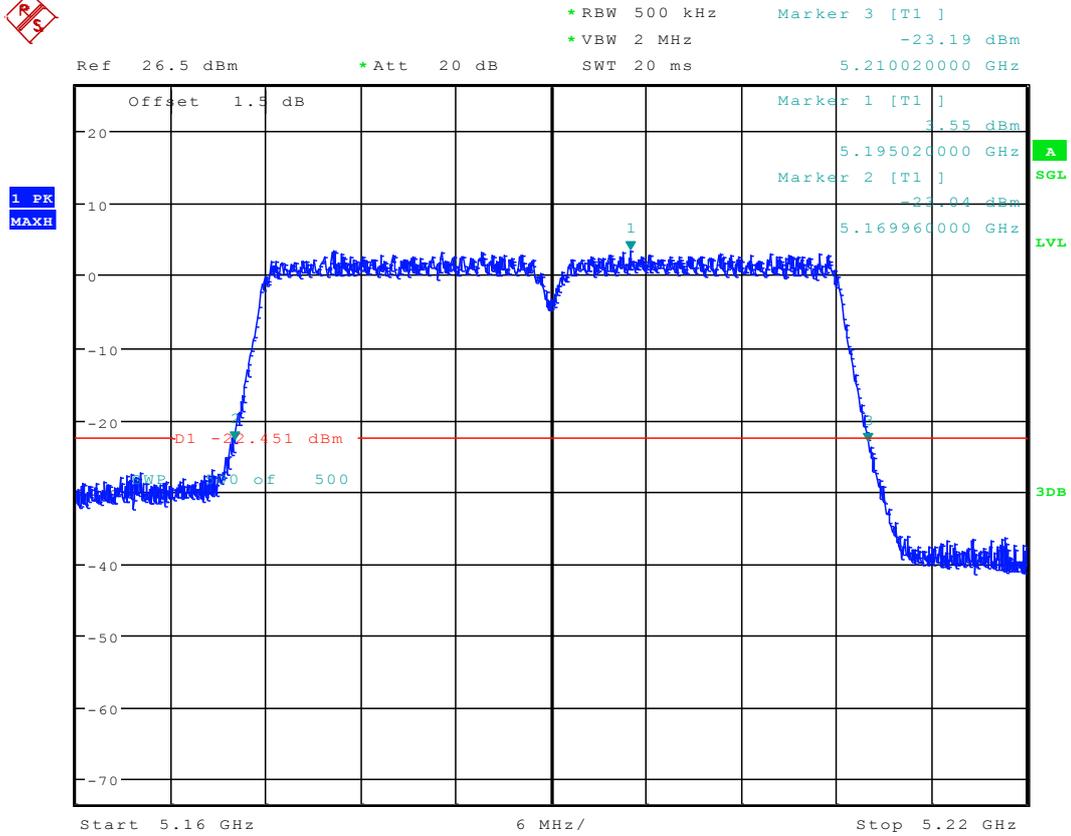


\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -25.75 dBm  
 SWT 20 ms      5.210240000 GHz



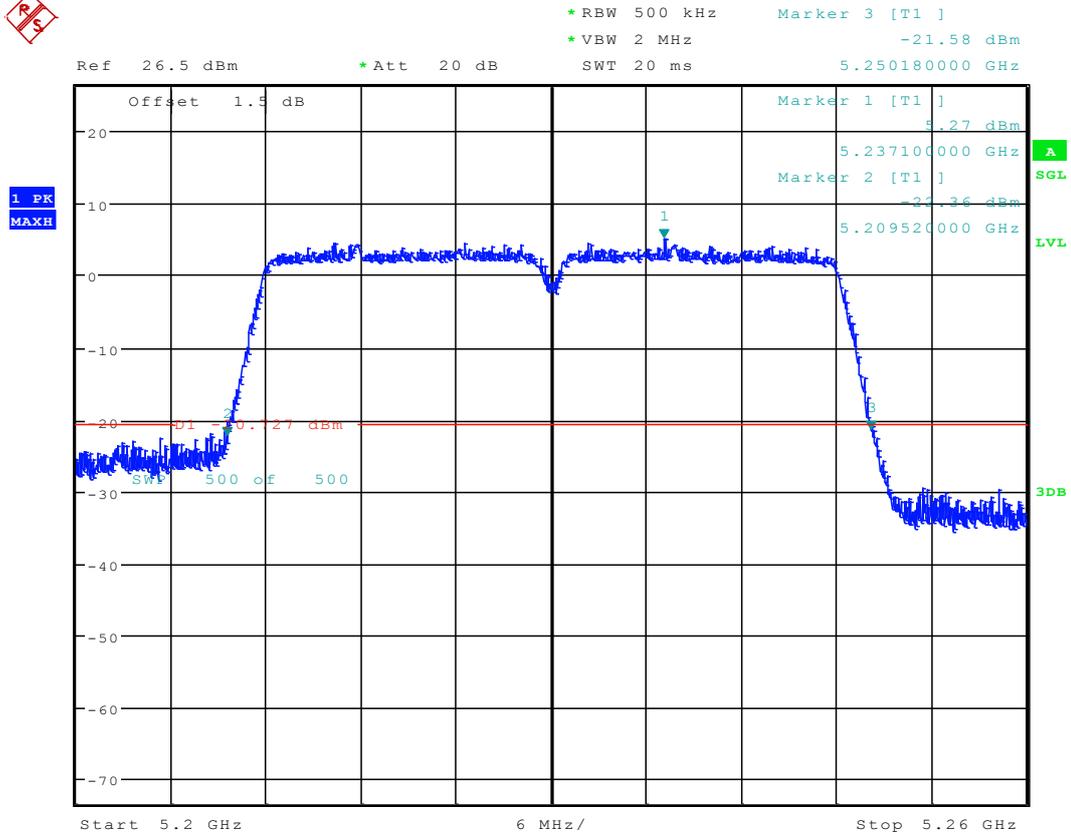
Date: 7.DEC.2017 08:30:38

### 3.76 11N40MIMO\_38 ANT 2



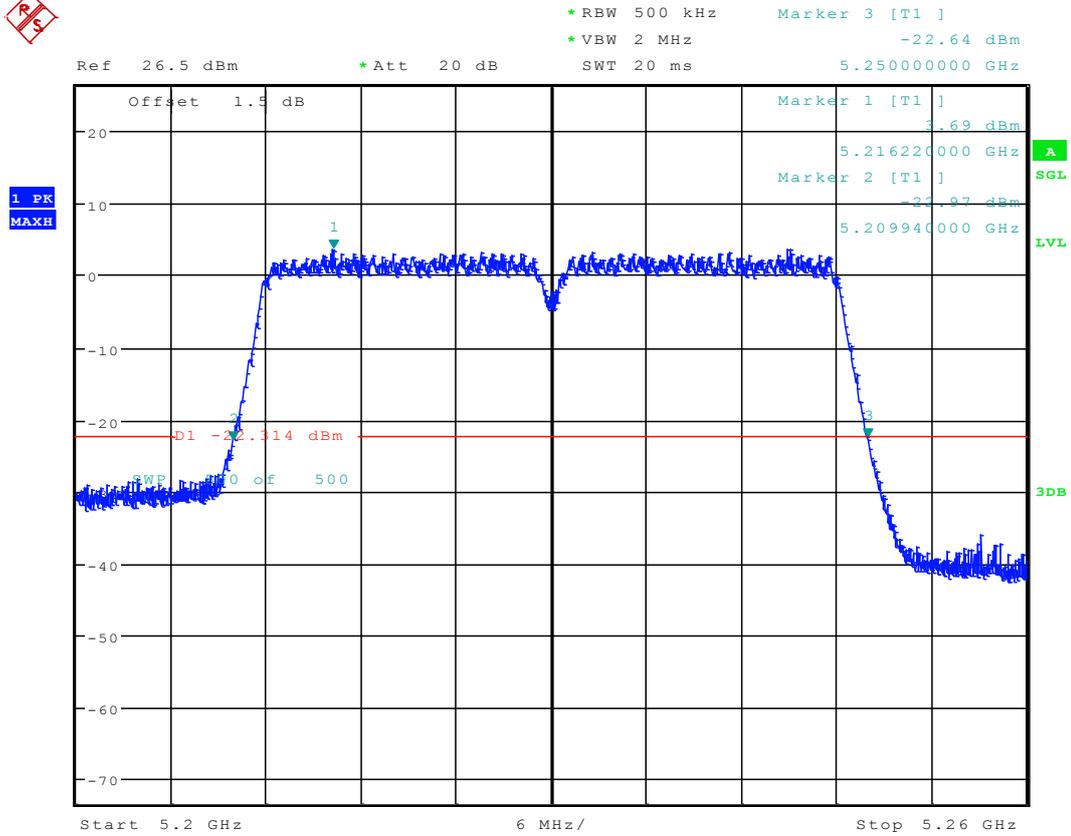
Date: 7.DEC.2017 10:10:12

### 3.77 11N40MIMO\_46 ANT 1



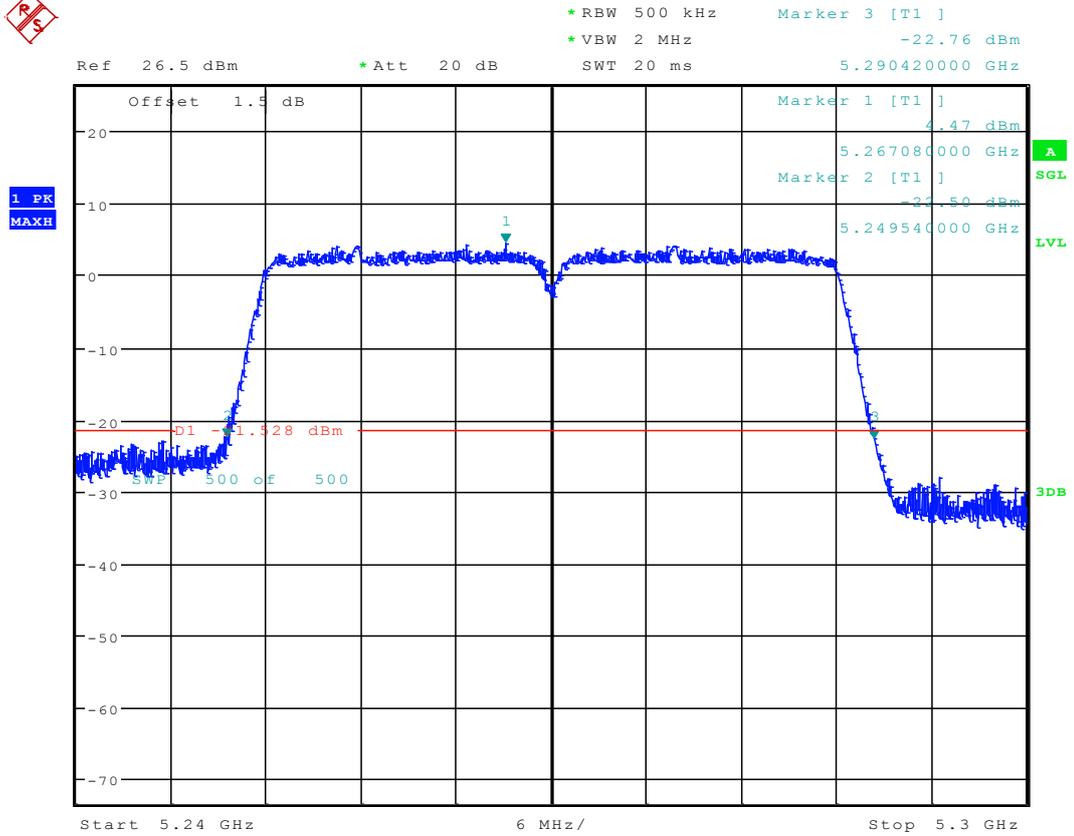
Date: 7.DEC.2017 08:33:11

### 3.78 11N40MIMO\_46 ANT 2



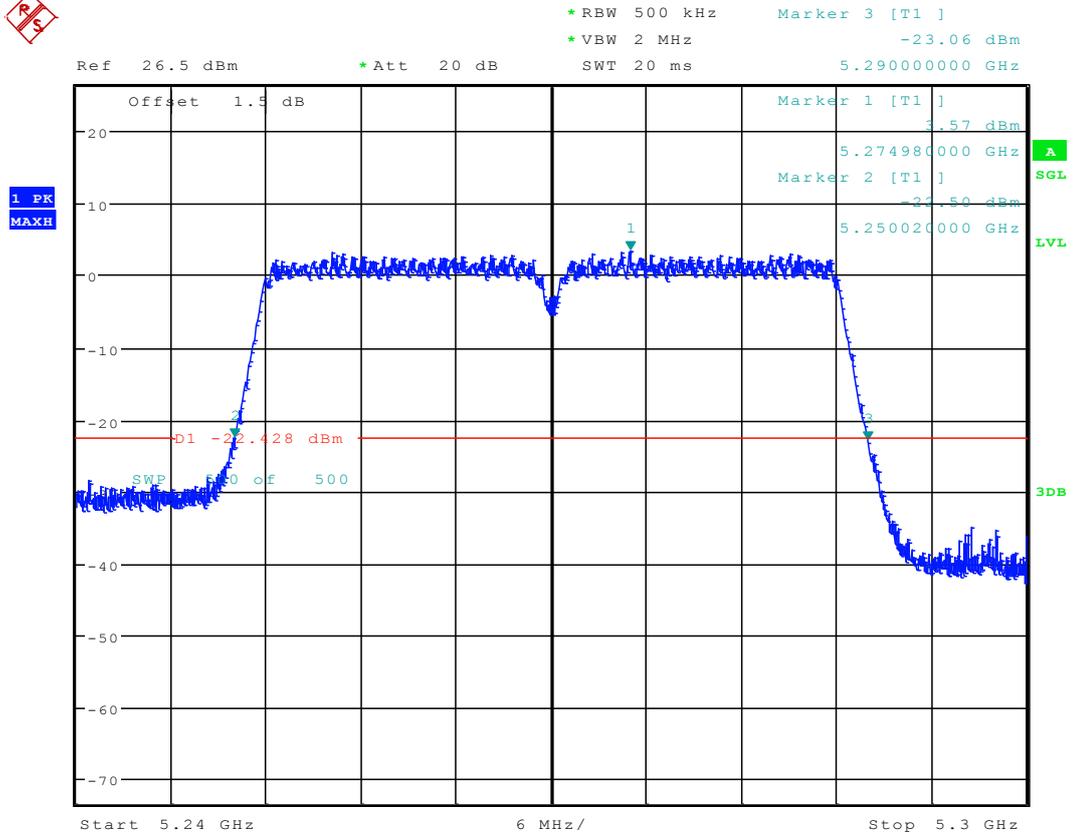
Date: 7.DEC.2017 10:12:47

### 3.79 11N40MIMO\_54 ANT 1



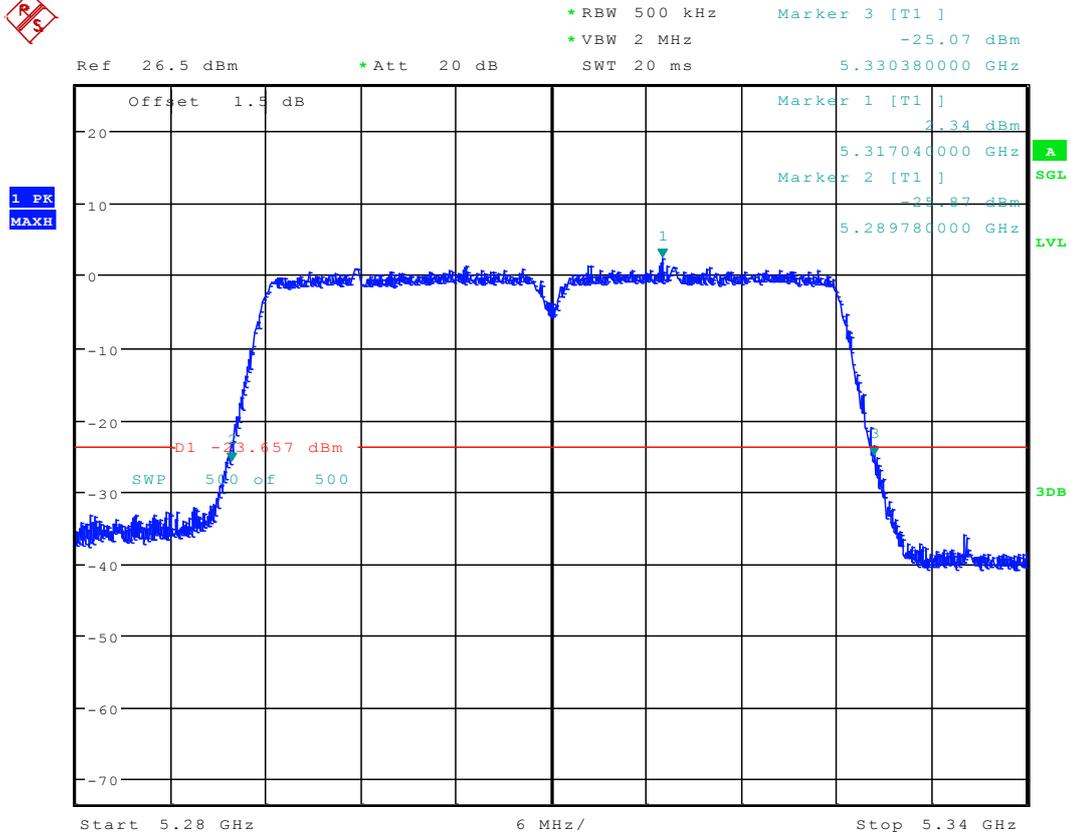
Date: 7.DEC.2017 08:36:15

### 3.80 11N40MIMO\_54 ANT 2



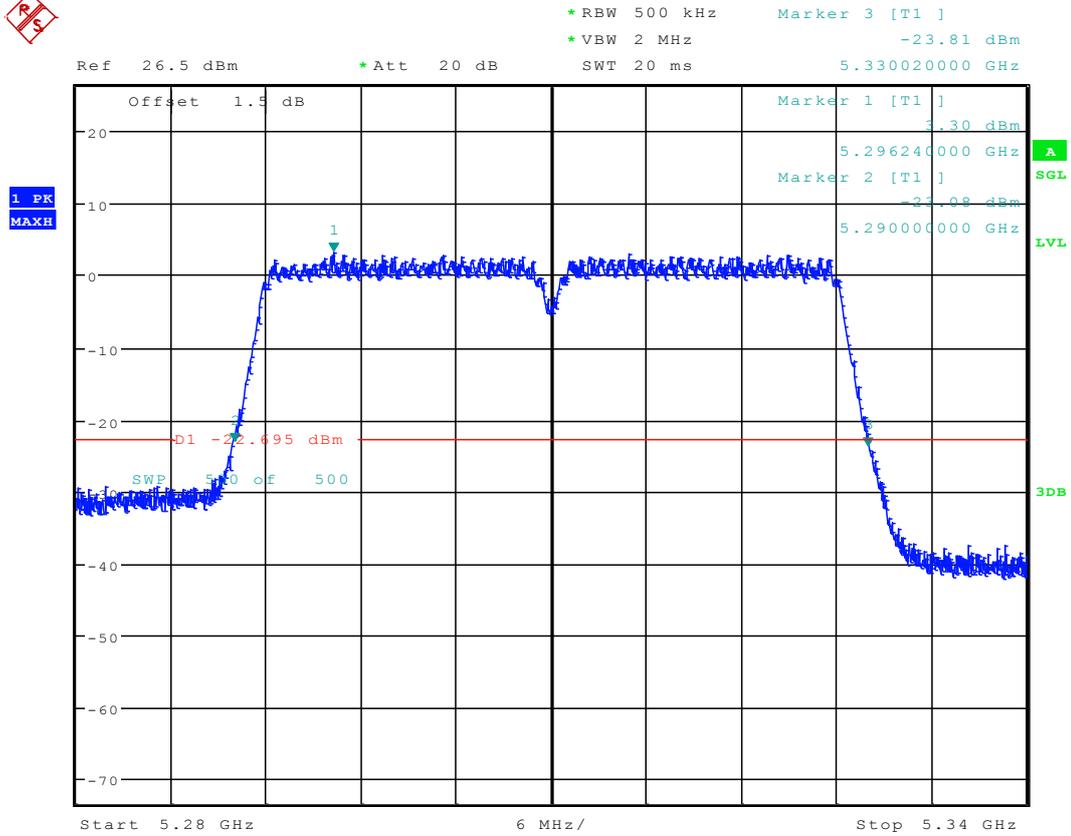
Date: 7.DEC.2017 10:15:44

### 3.81 11N40MIMO\_62 ANT 1



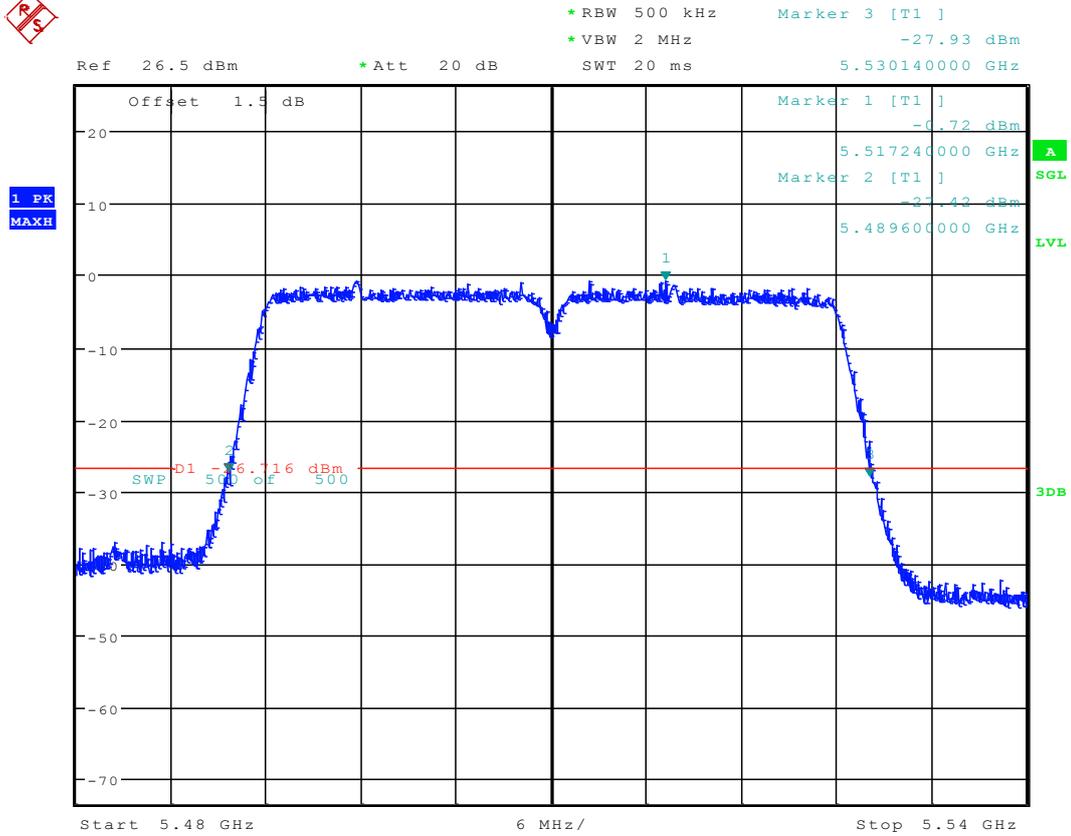
Date: 7.DEC.2017 08:39:05

### 3.82 11N40MIMO\_62 ANT 2



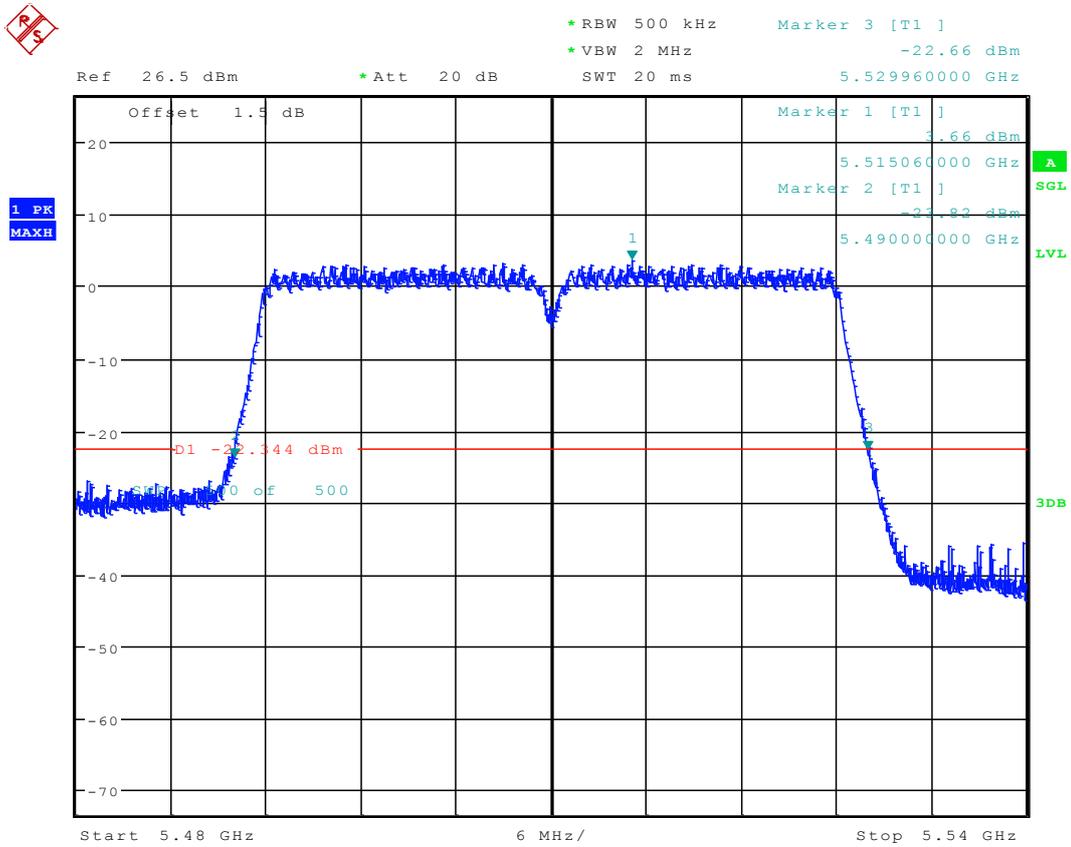
Date: 7.DEC.2017 10:18:18

### 3.83 11N40MIMO\_102 ANT 1



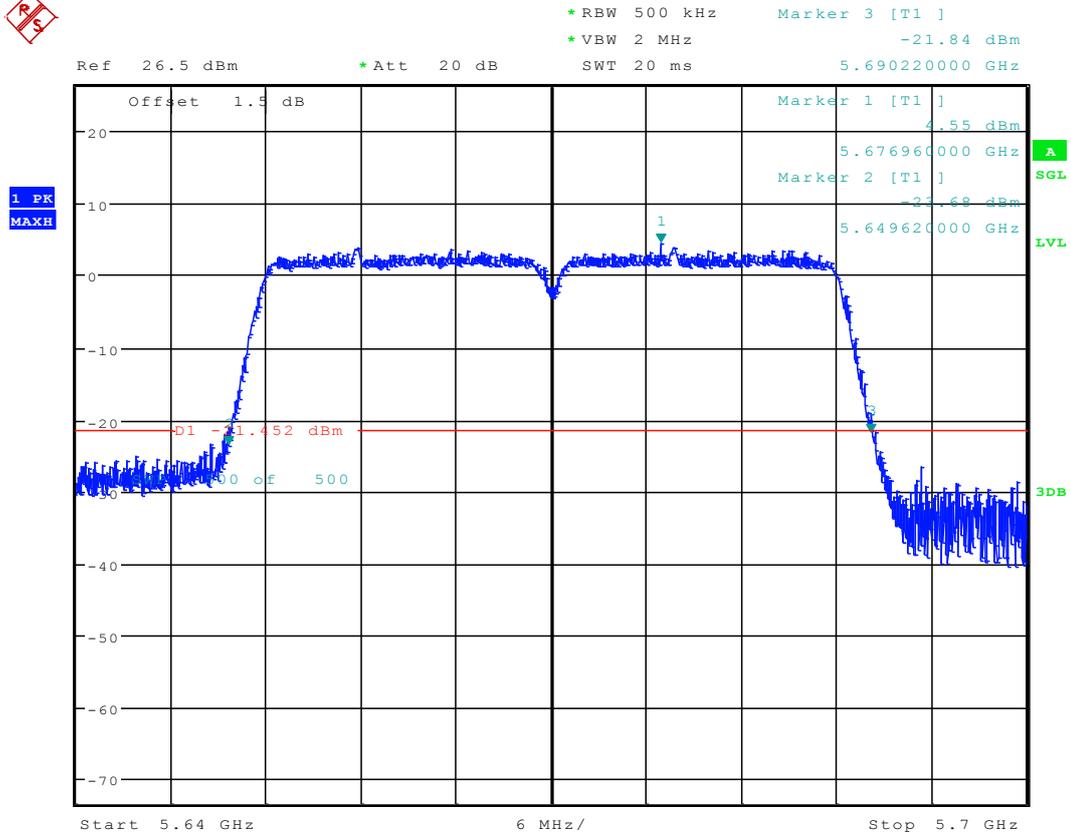
Date: 7.DEC.2017 08:42:01

### 3.84 11N40MIMO\_102 ANT 2



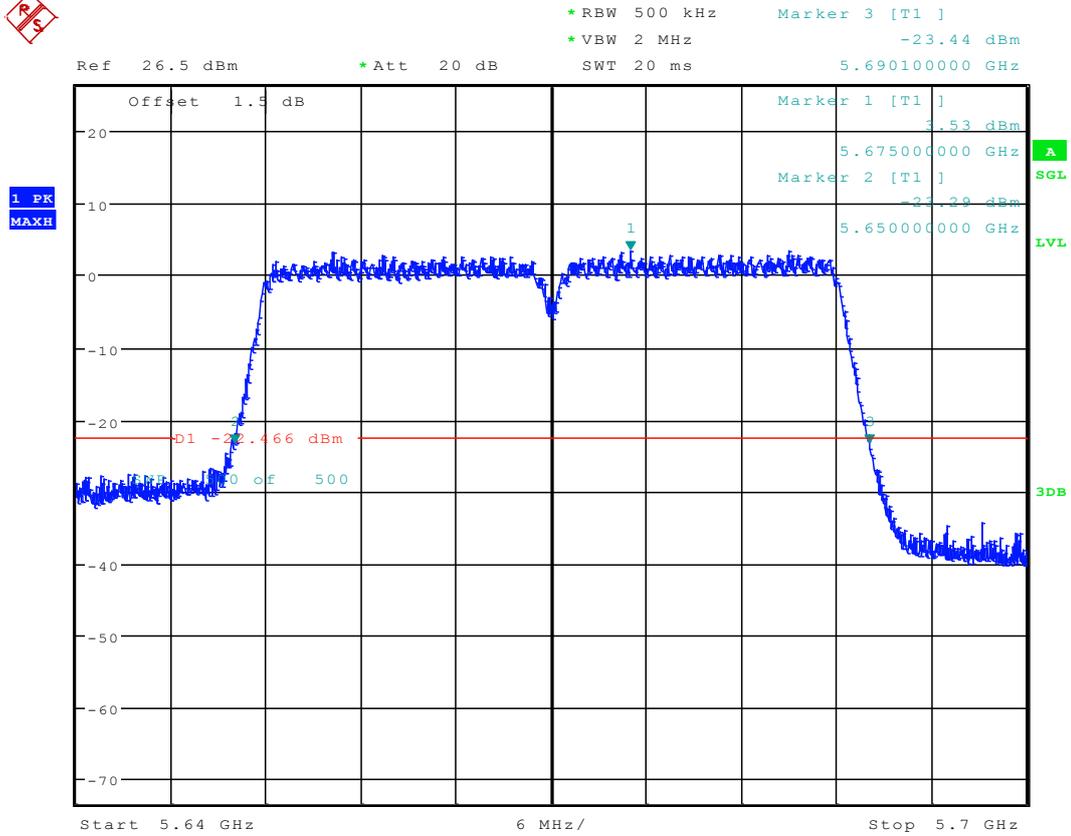
Date: 7.DEC.2017 10:21:06

### 3.85 11N40MIMO\_134 ANT 1



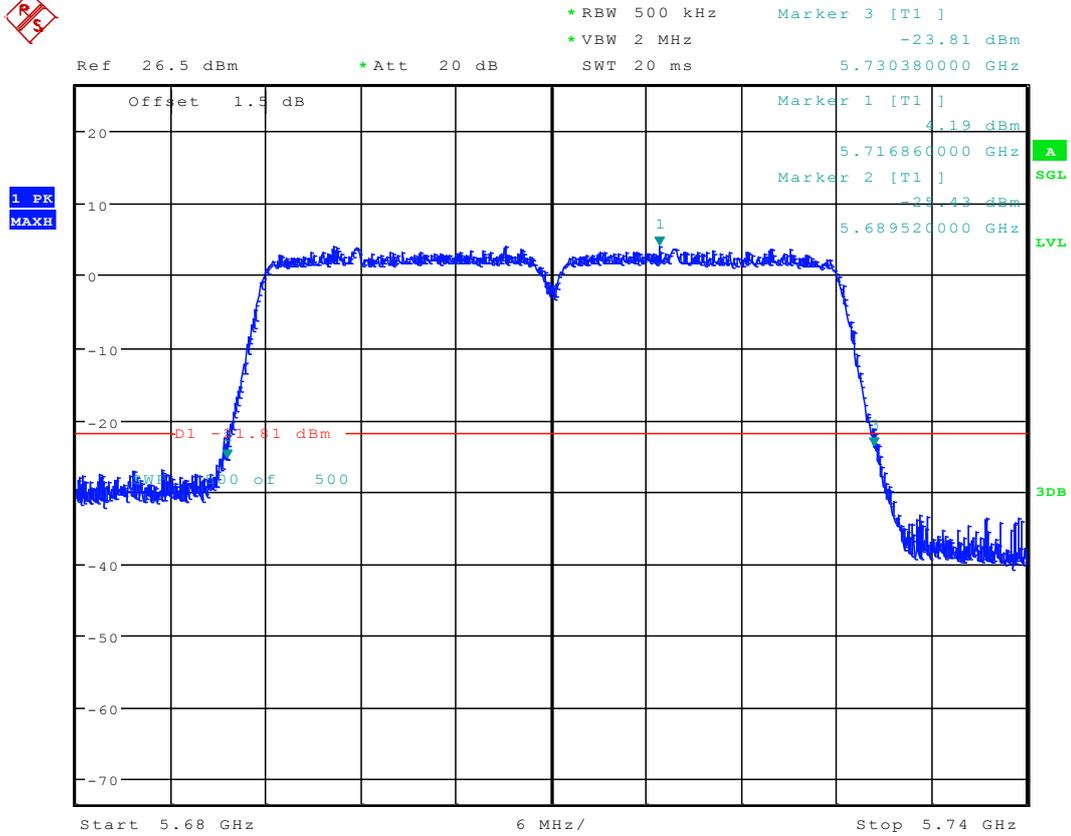
Date: 7.DEC.2017 08:45:00

### 3.86 11N40MIMO\_134 ANT 2



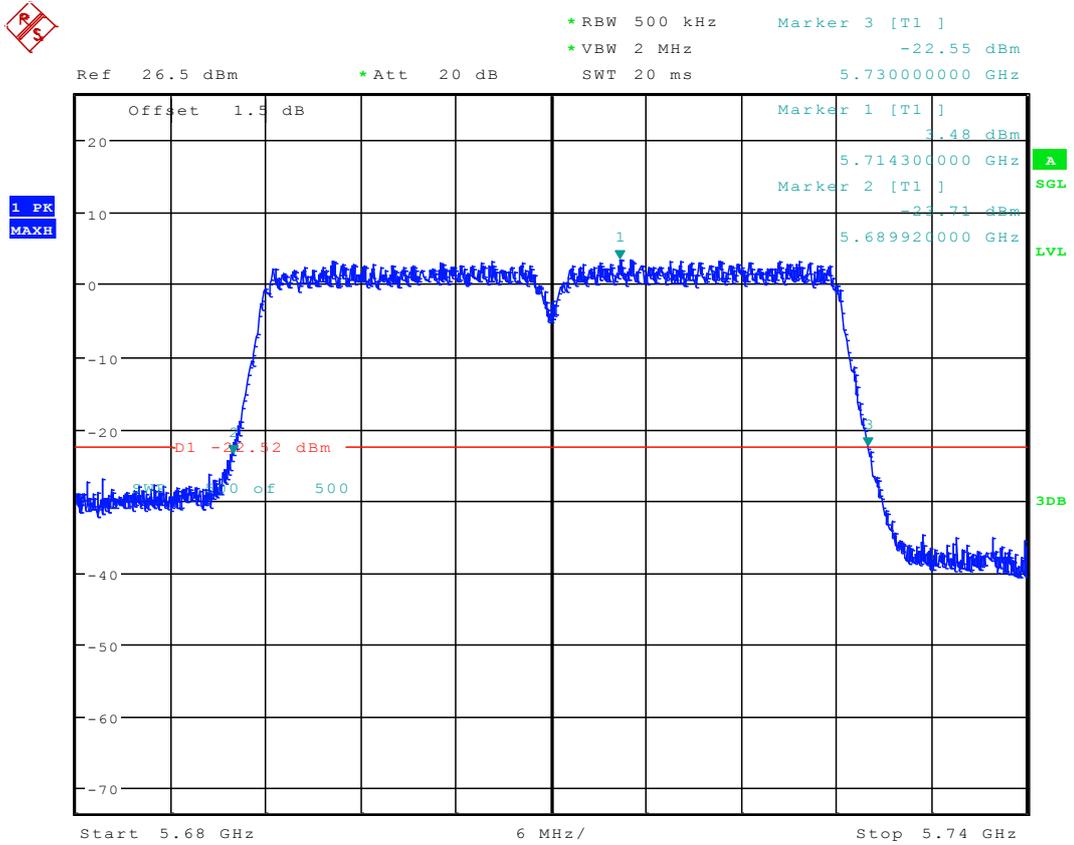
Date: 7.DEC.2017 10:23:41

### 3.87 11N40MIMO\_142 ANT 1



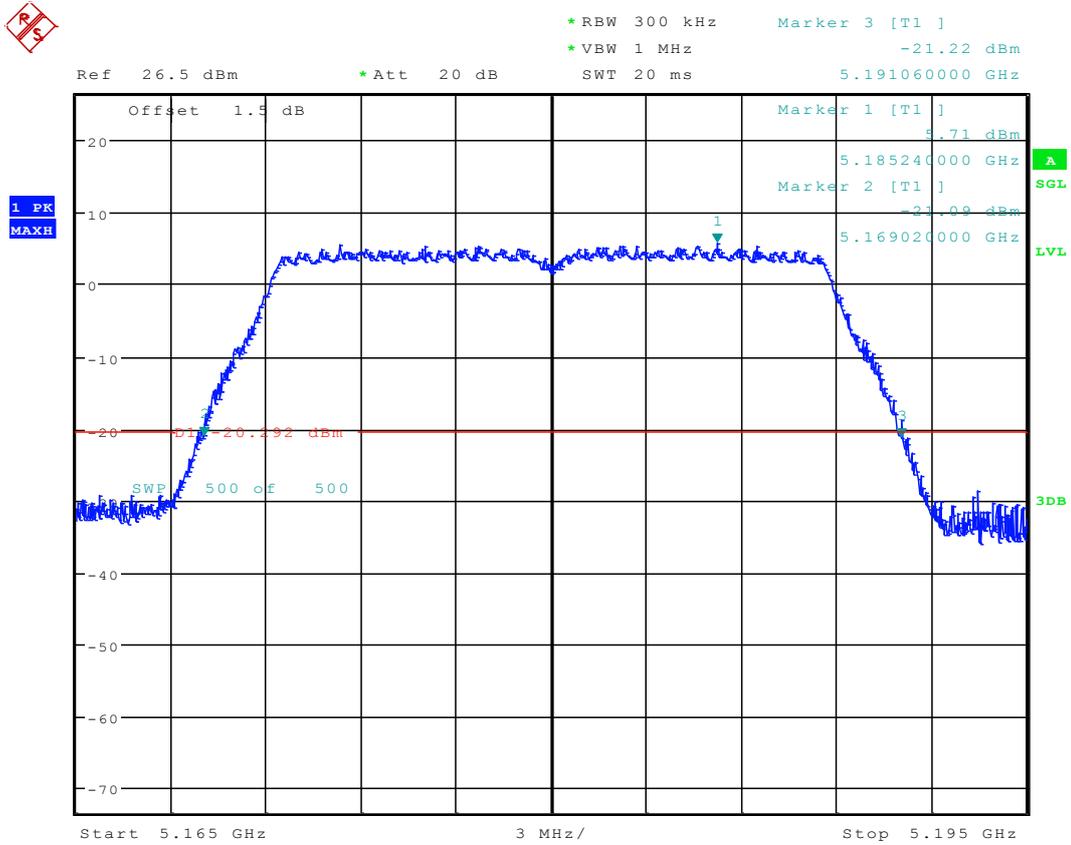
Date: 7.DEC.2017 08:47:53

### 3.88 11N40MIMO\_142 ANT 2



Date: 7.DEC.2017 10:26:52

### 3.89 11AC20\_36 ANT 1

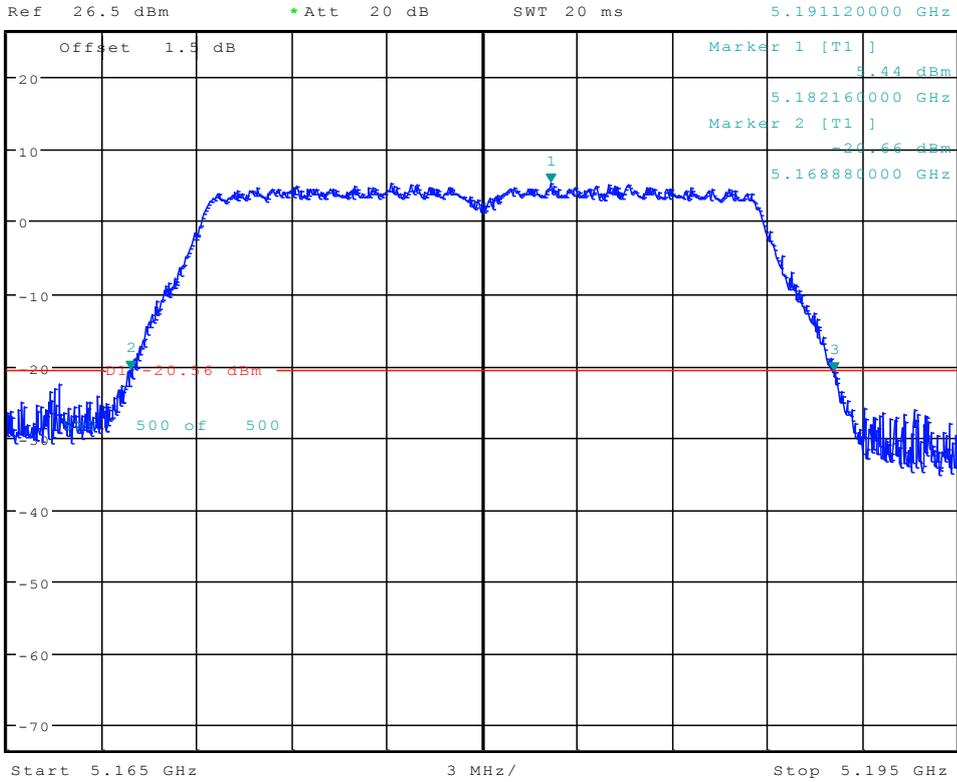


Date: 2.DEC.2017 09:20:33

### 3.90 11AC20\_36 ANT 2

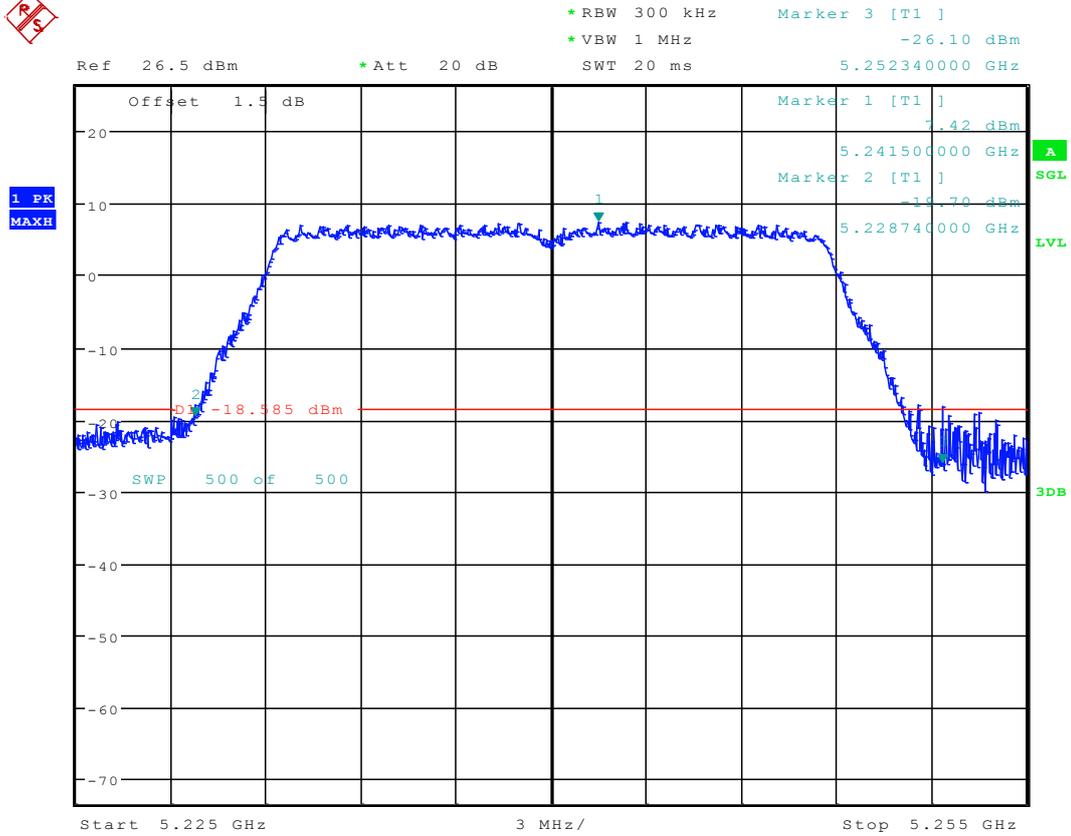


\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -20.88 dBm  
 SWT 20 ms      5.191120000 GHz



Date: 2.DEC.2017 11:06:12

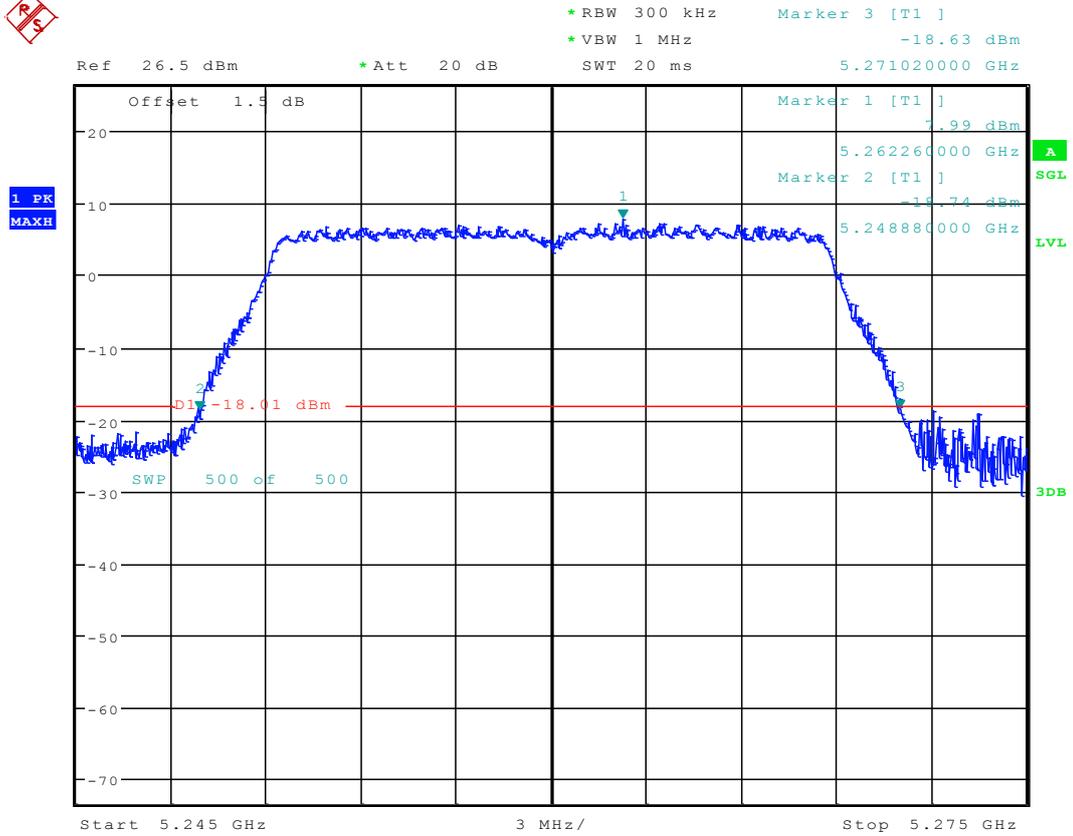
### 3.91 11AC20\_48 ANT 1



Date: 2.DEC.2017 09:26:45

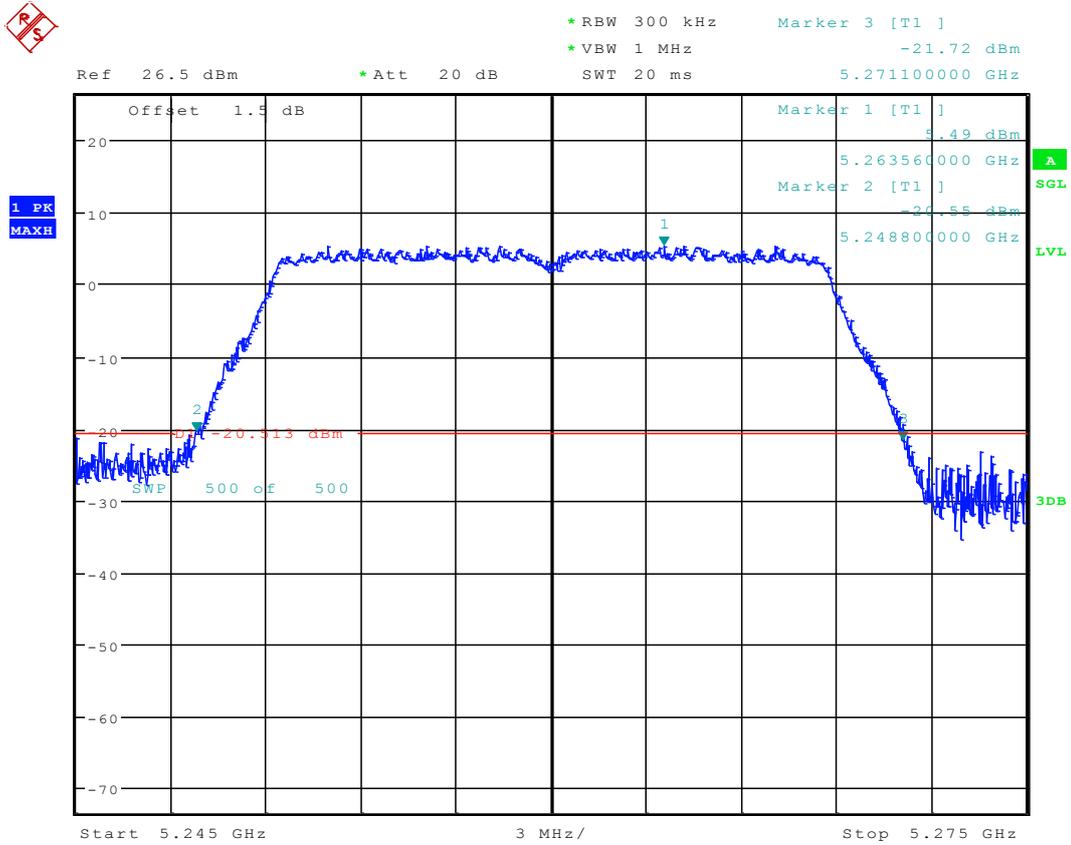


### 3.93 11AC20\_52 ANT 1



Date: 2.DEC.2017 09:29:22

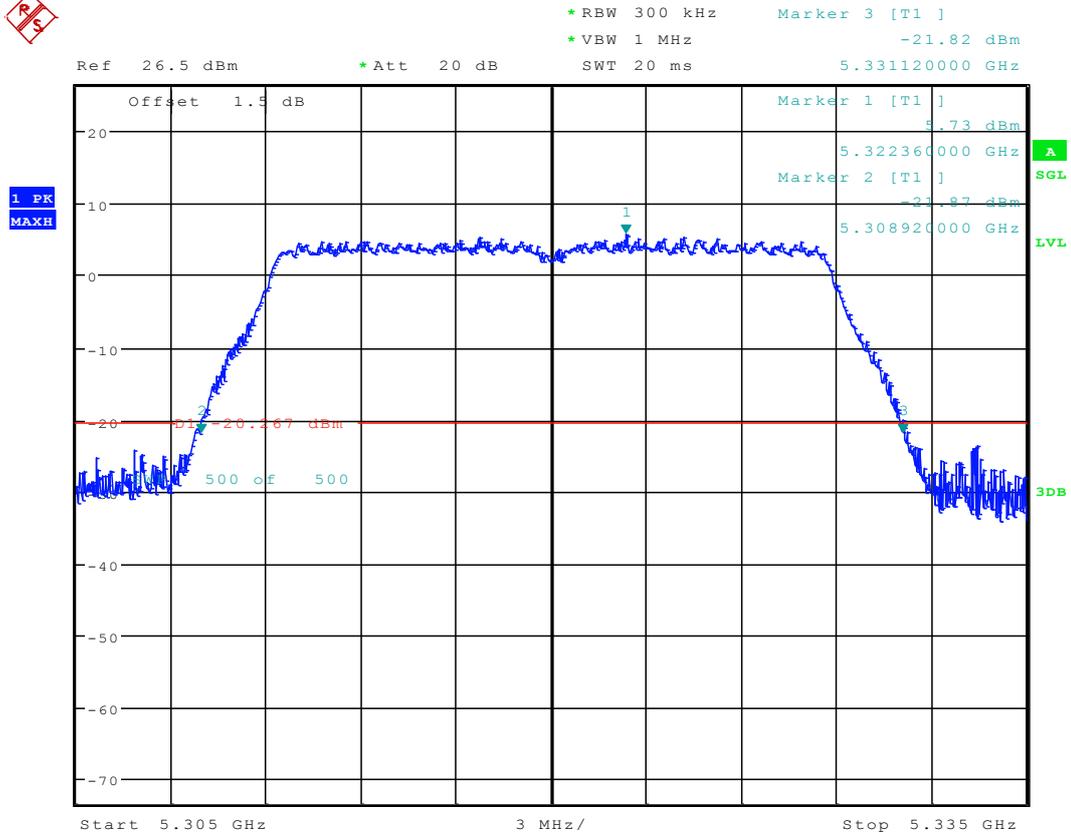
### 3.94 11AC20\_52 ANT 2



Date: 2.DEC.2017 11:11:45



### 3.96 11AC20\_64 ANT 2



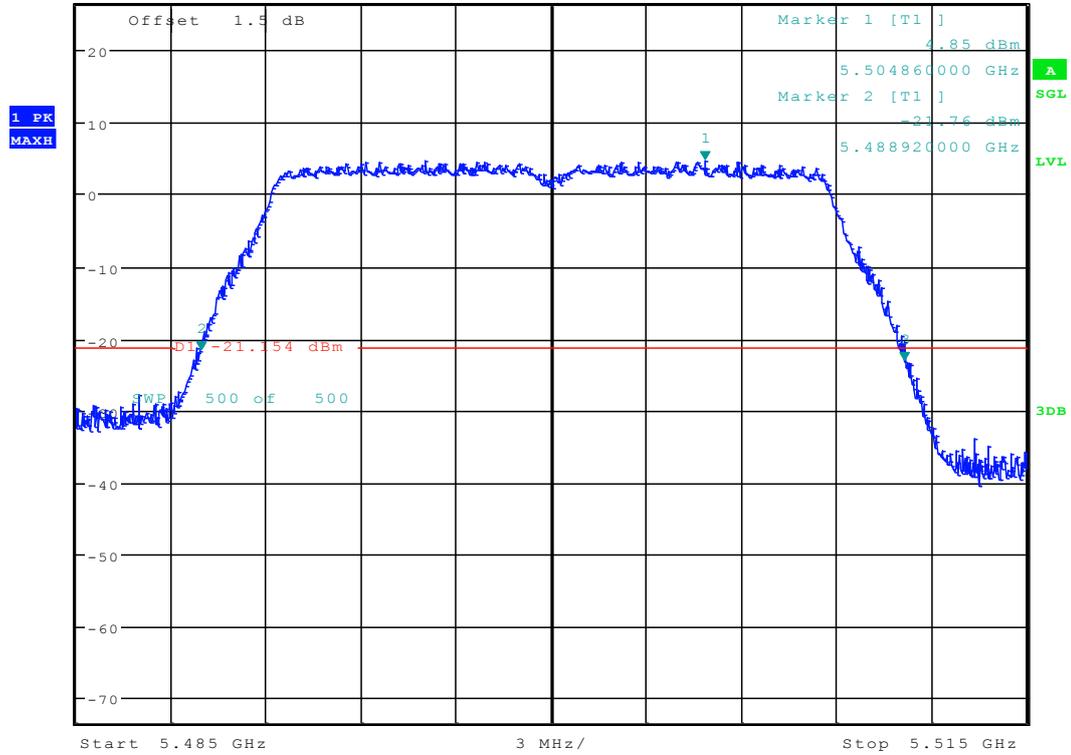
Date: 2.DEC.2017 11:16:10



### 3.97 11AC20\_100 ANT 1



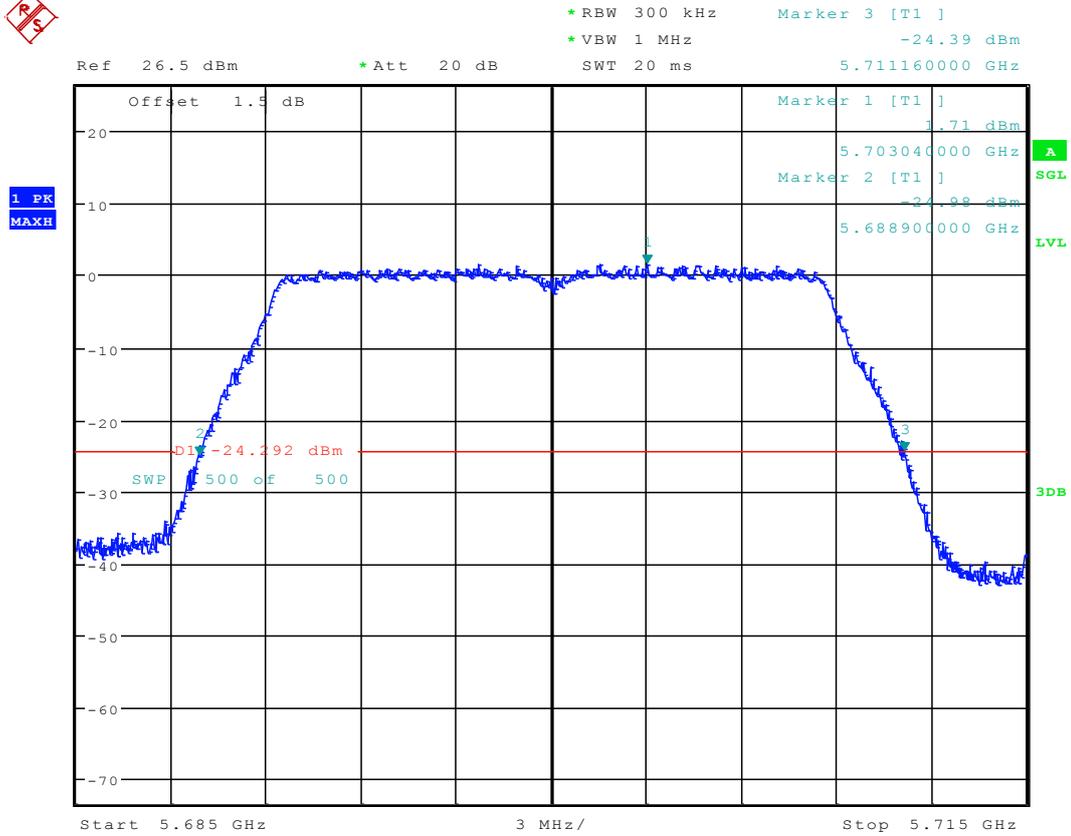
\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -23.10 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.511140000 GHz



Date: 2.DEC.2017 09:33:50



### 3.99 11AC20\_140 ANT 1



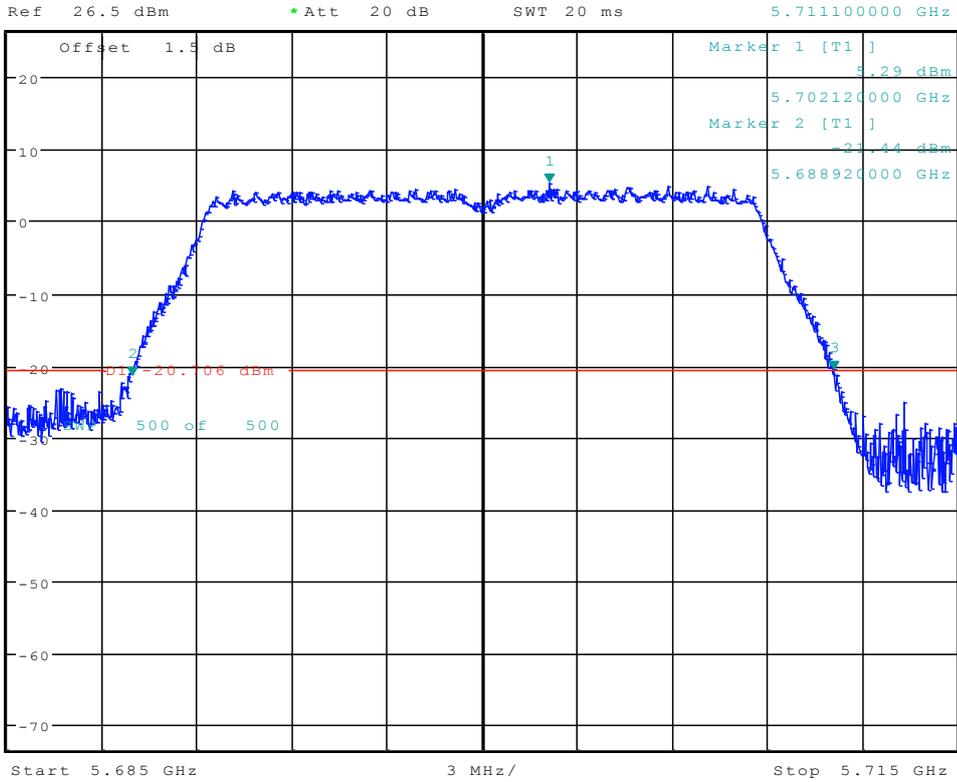
Date: 2.DEC.2017 09:35:58



### 3.100 11AC20\_140 ANT 2



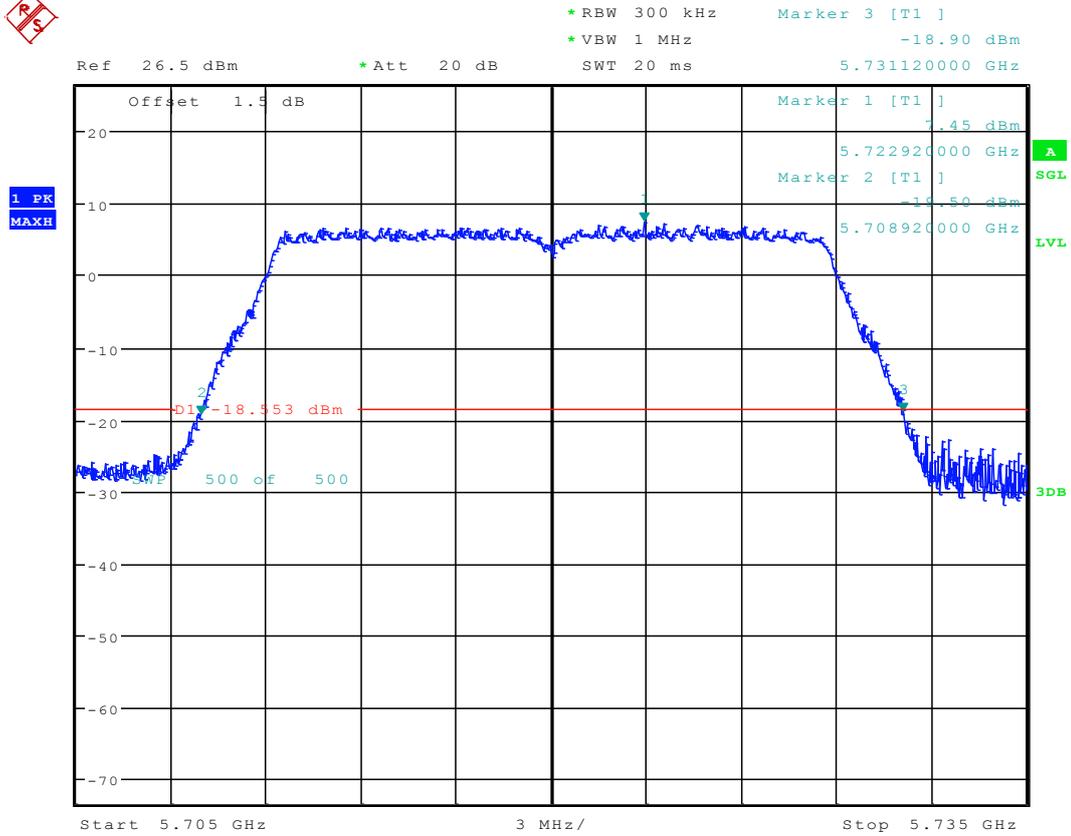
\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -20.73 dBm  
 SWT 20 ms      5.711100000 GHz



Date: 2.DEC.2017 11:22:17

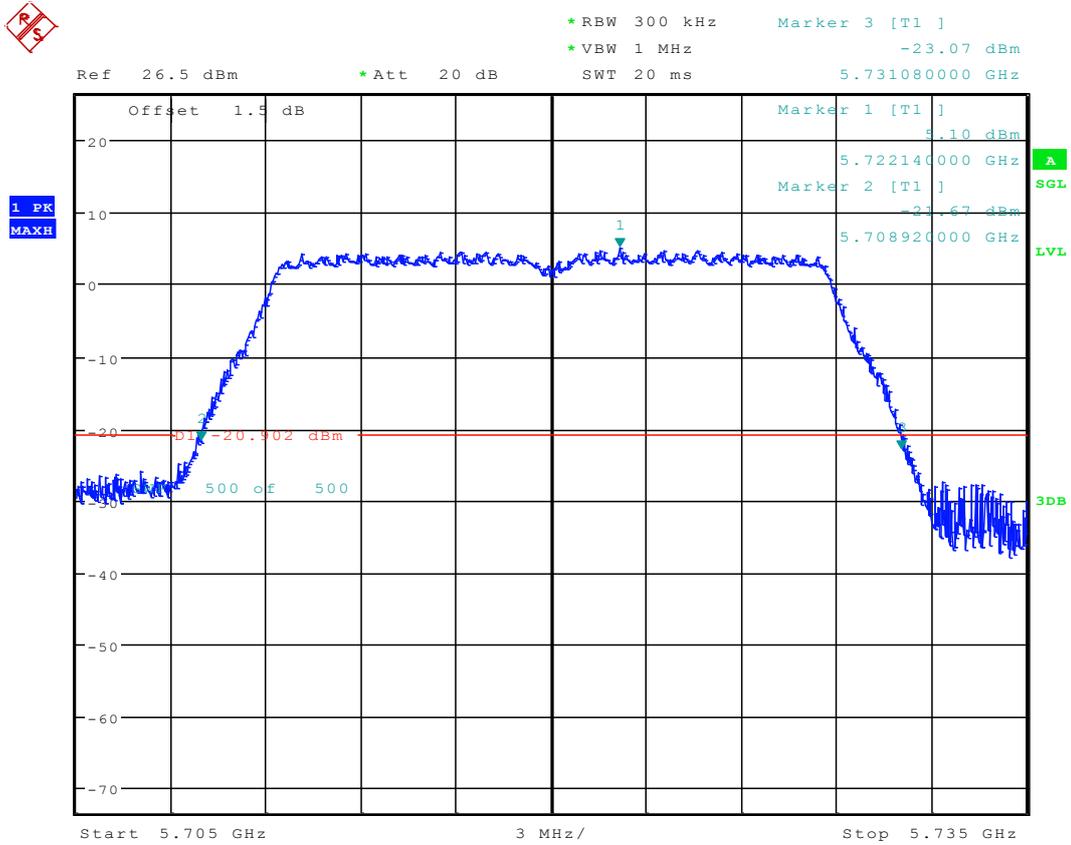


### 3.101 11AC20\_144 ANT 1



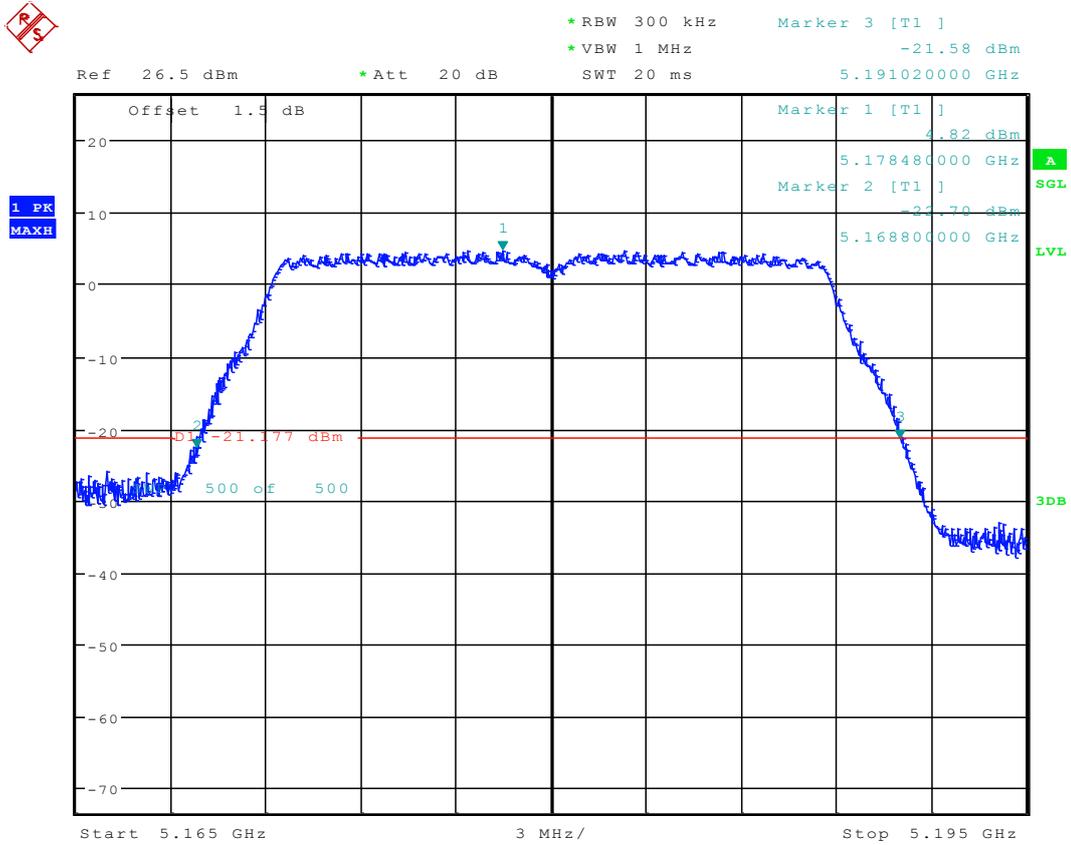
Date: 2.DEC.2017 09:38:13

### 3.102 11AC20\_144 ANT 2



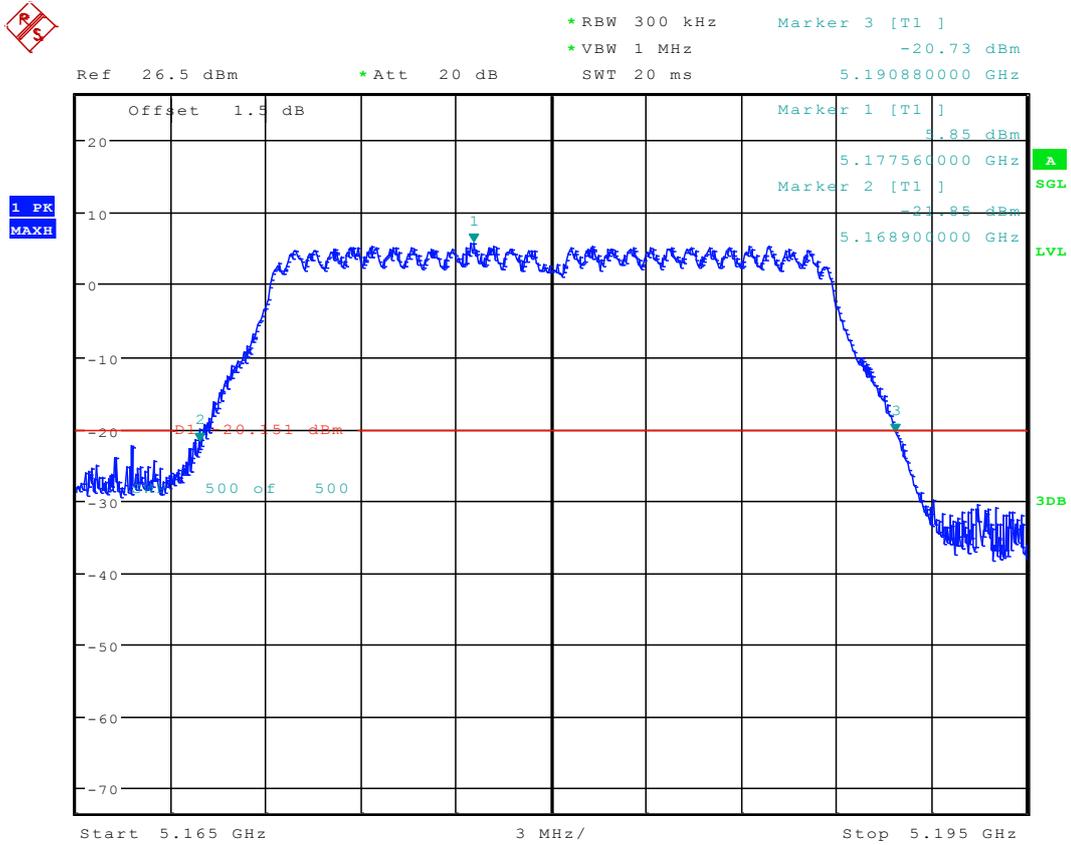
Date: 2.DEC.2017 11:24:24

### 3.103 11AC20MIMO\_36 ANT 1



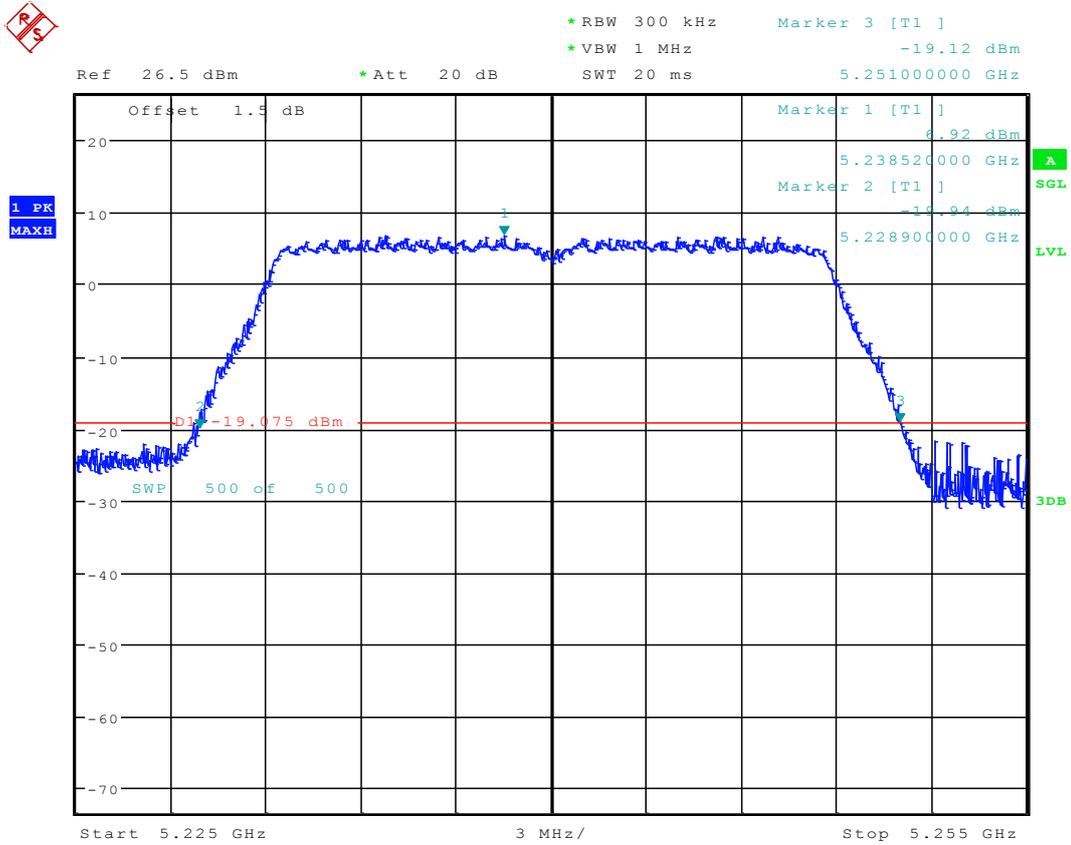
Date: 2.DEC.2017 14:49:57

### 3.104 11AC20MIMO\_36 ANT 2



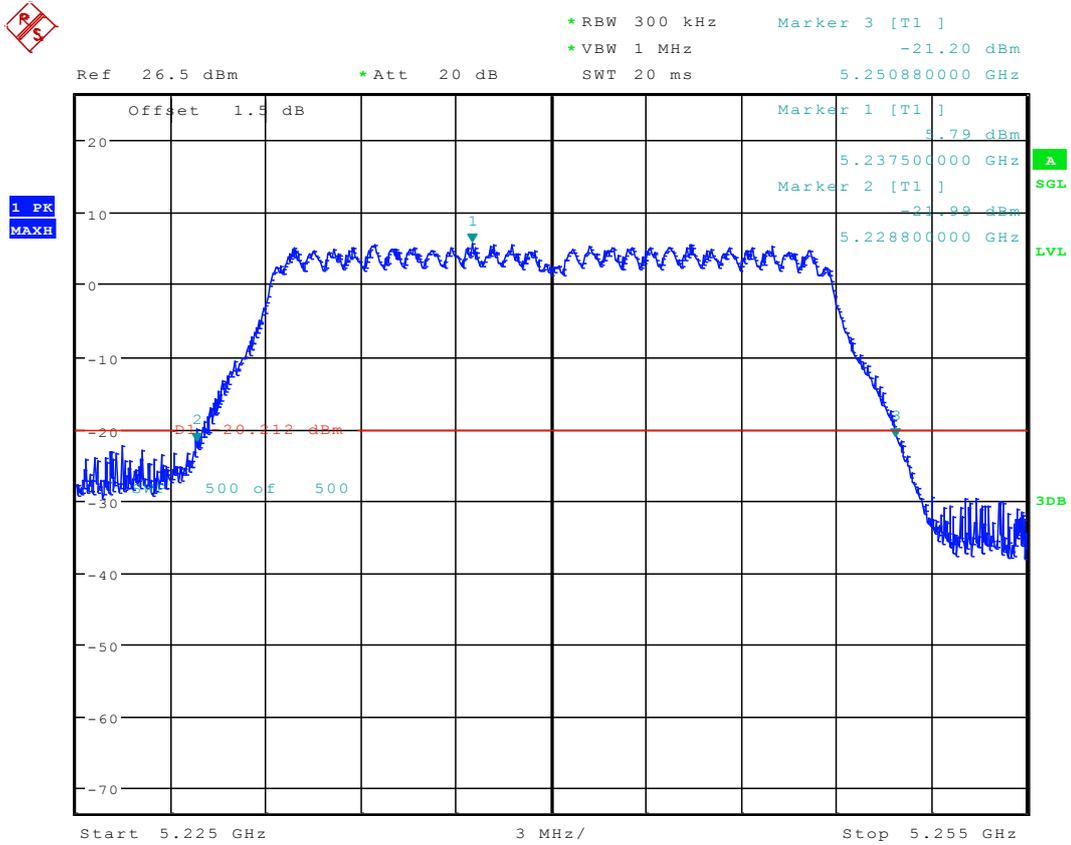
Date: 2.DEC.2017 17:30:25

### 3.105 11AC20MIMO\_48 ANT 1



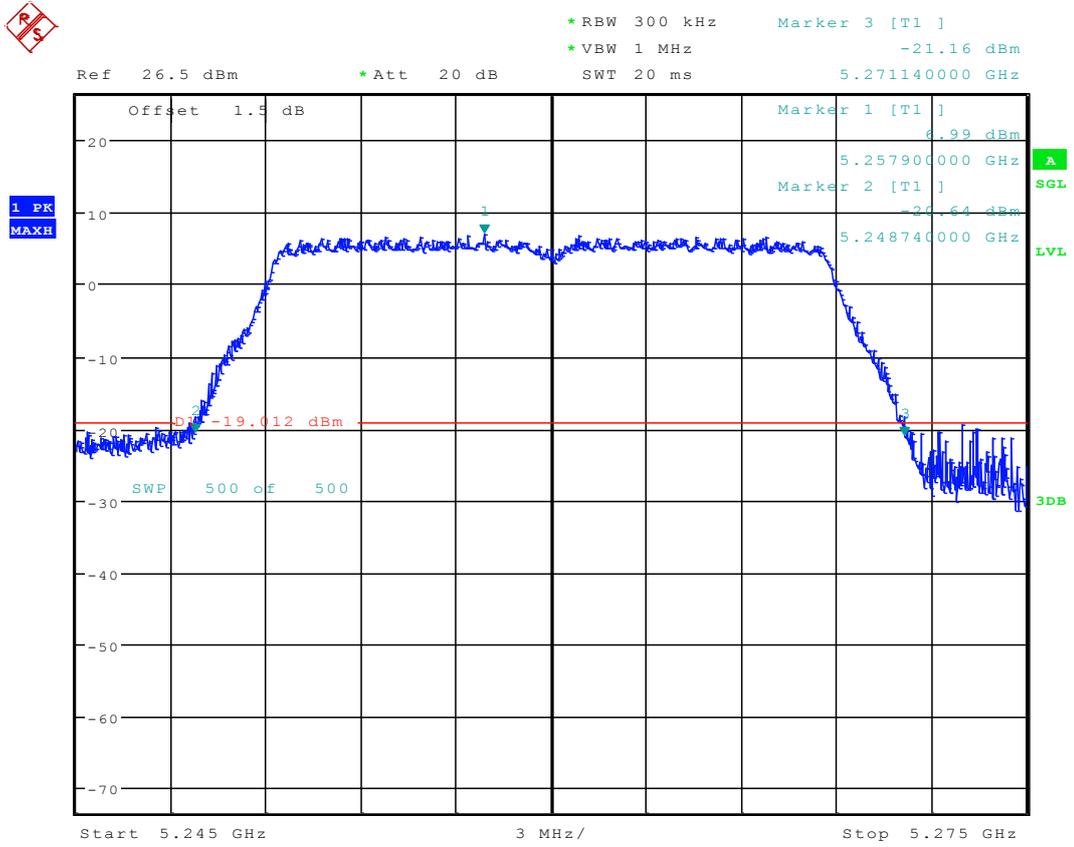
Date: 2.DEC.2017 14:54:43

### 3.106 11AC20MIMO\_48 ANT 2



Date: 2.DEC.2017 17:32:42

### 3.107 11AC20MIMO\_52 ANT 1



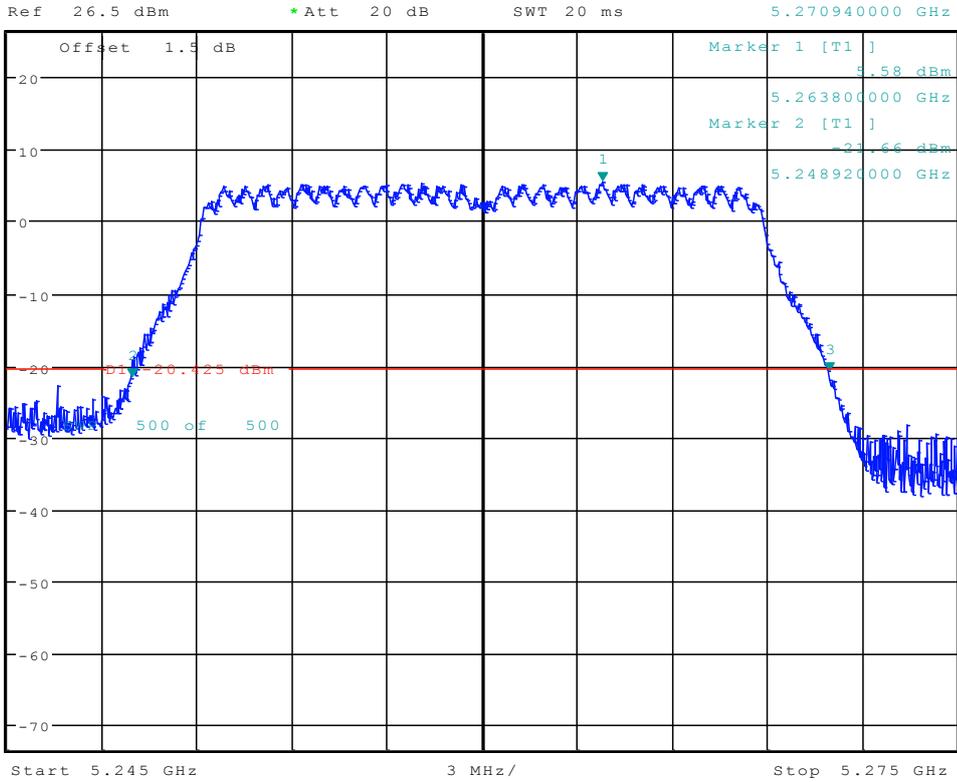
Date: 2.DEC.2017 14:57:02



### 3.108 11AC20MIMO\_52 ANT 2



\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -20.90 dBm  
 SWT 20 ms      5.270940000 GHz

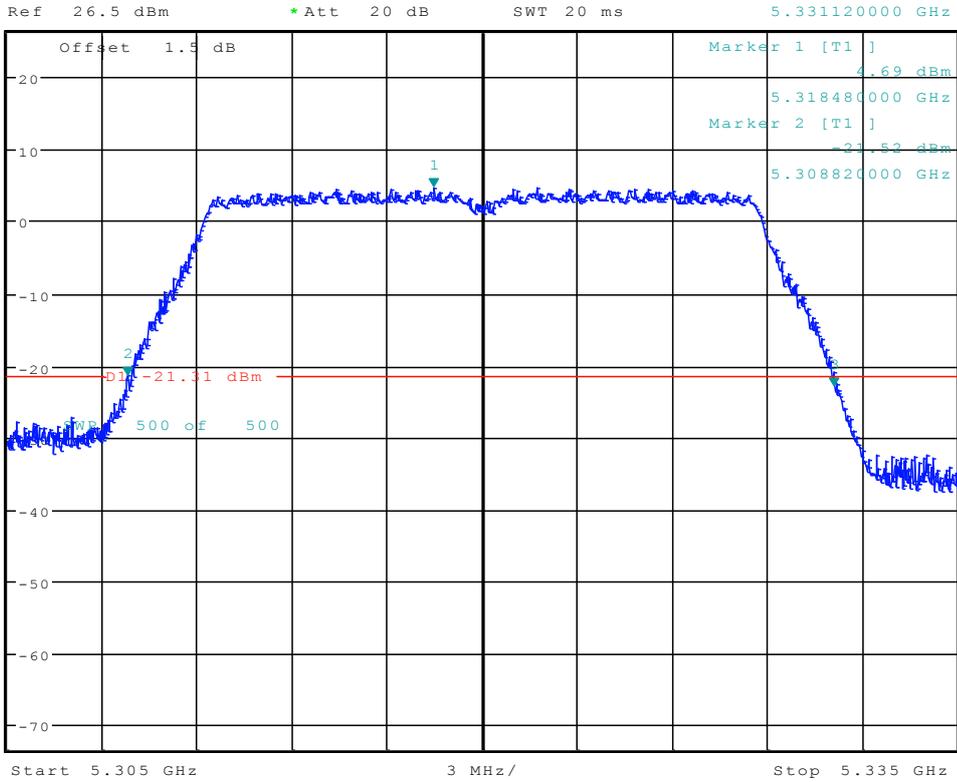


Date: 2.DEC.2017 17:35:12

### 3.109 11AC20MIMO\_64 ANT 1



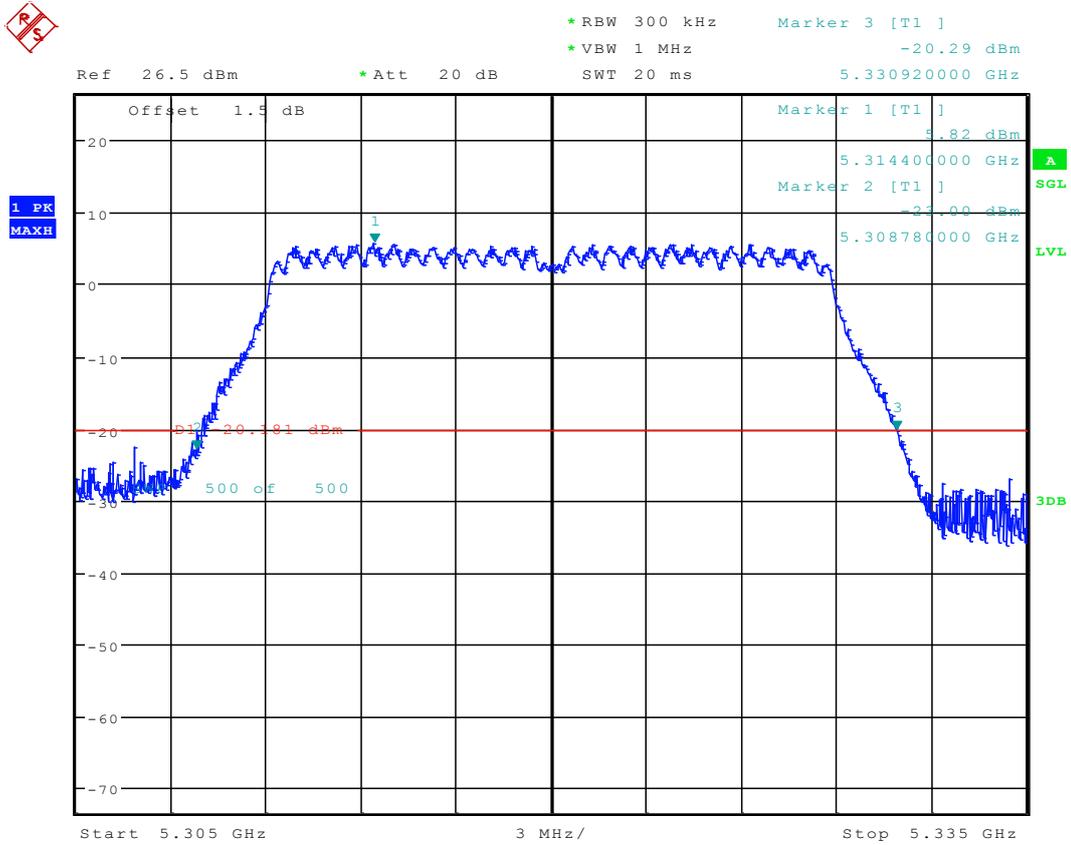
\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -23.00 dBm  
 SWT 20 ms      5.331120000 GHz



Date: 2.DEC.2017 14:59:23



### 3.110 11AC20MIMO\_64 ANT 2



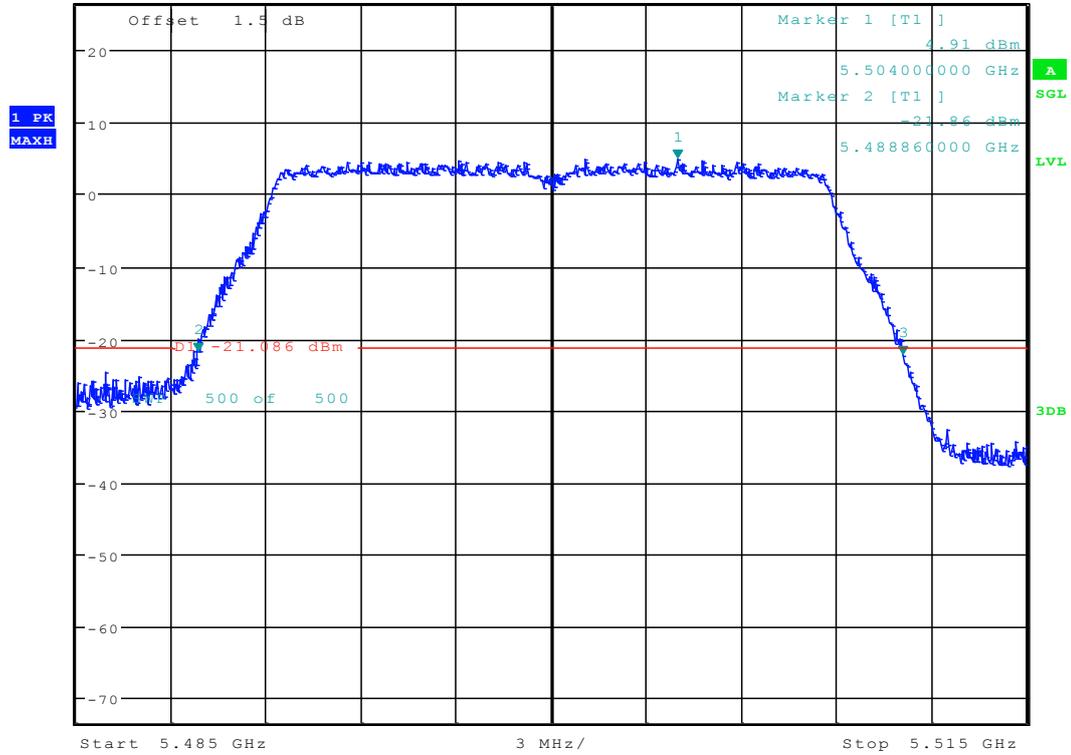
Date: 2.DEC.2017 17:37:22



### 3.111 11AC20MIMO\_100 ANT 1



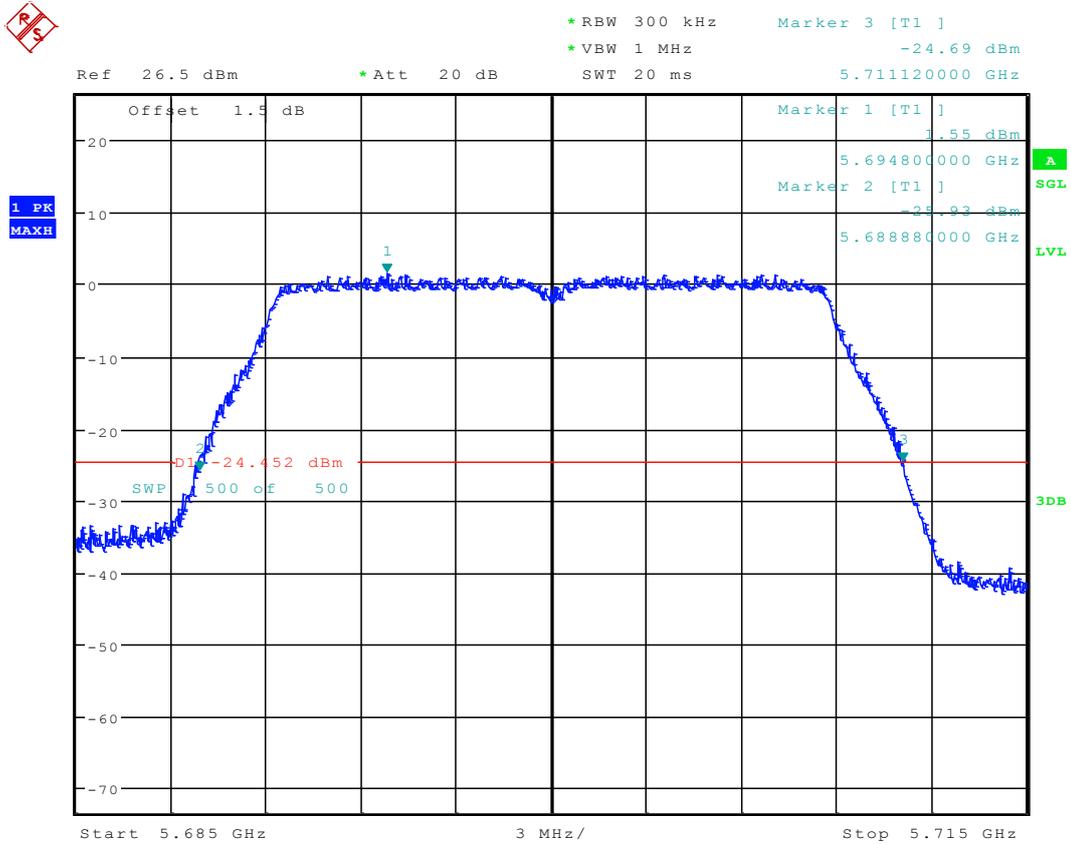
\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -22.43 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.511100000 GHz



Date: 2.DEC.2017 15:01:35

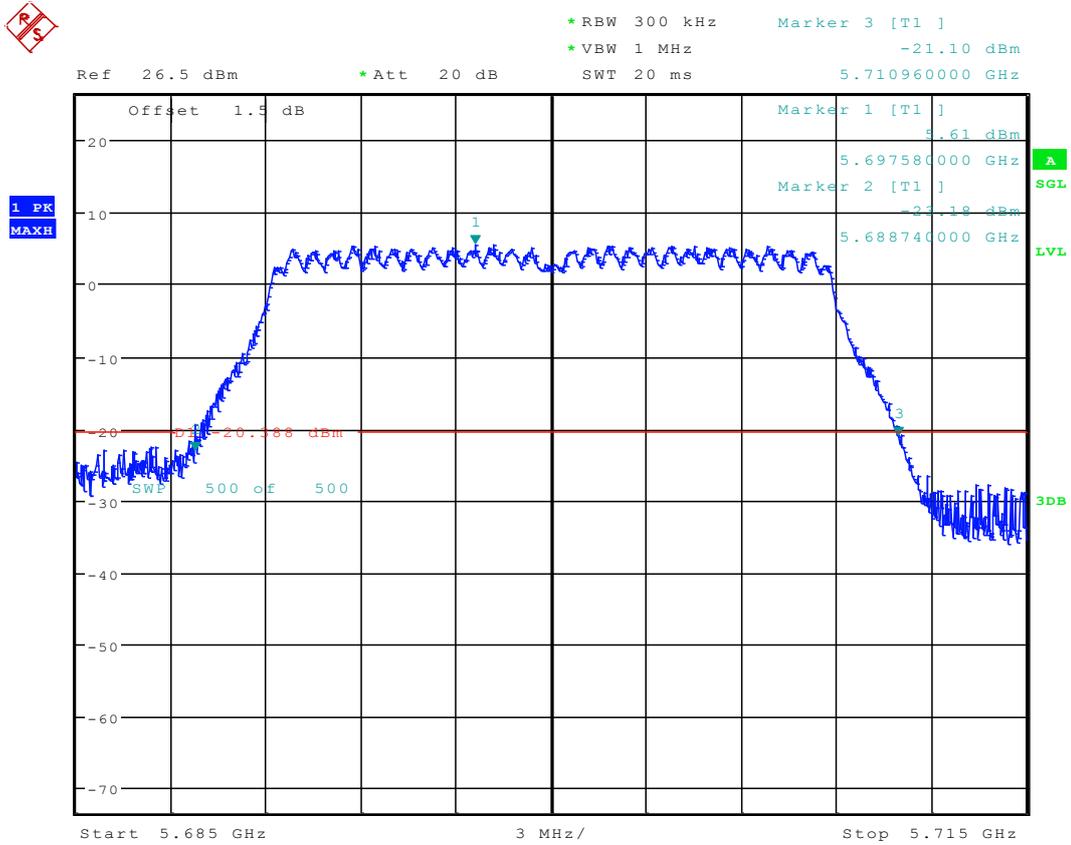


### 3.113 11AC20MIMO\_140 ANT 1



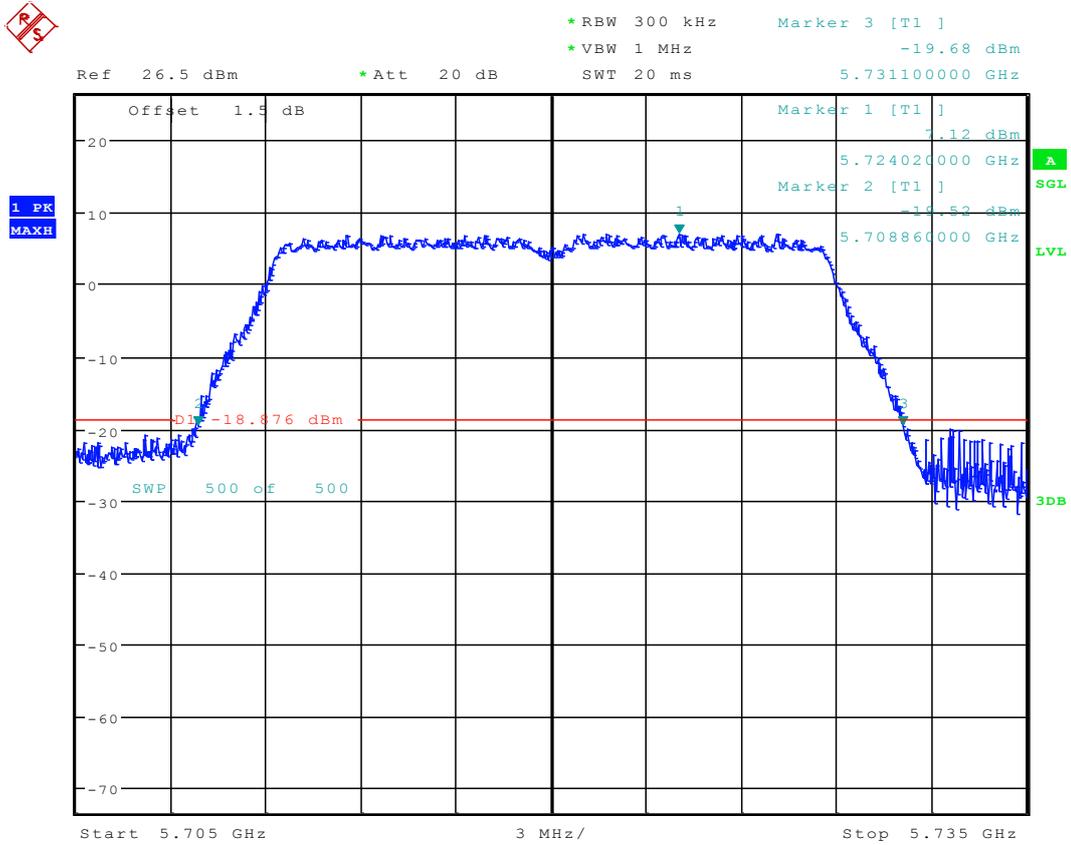
Date: 2.DEC.2017 15:04:33

### 3.114 11AC20MIMO\_140 ANT 2



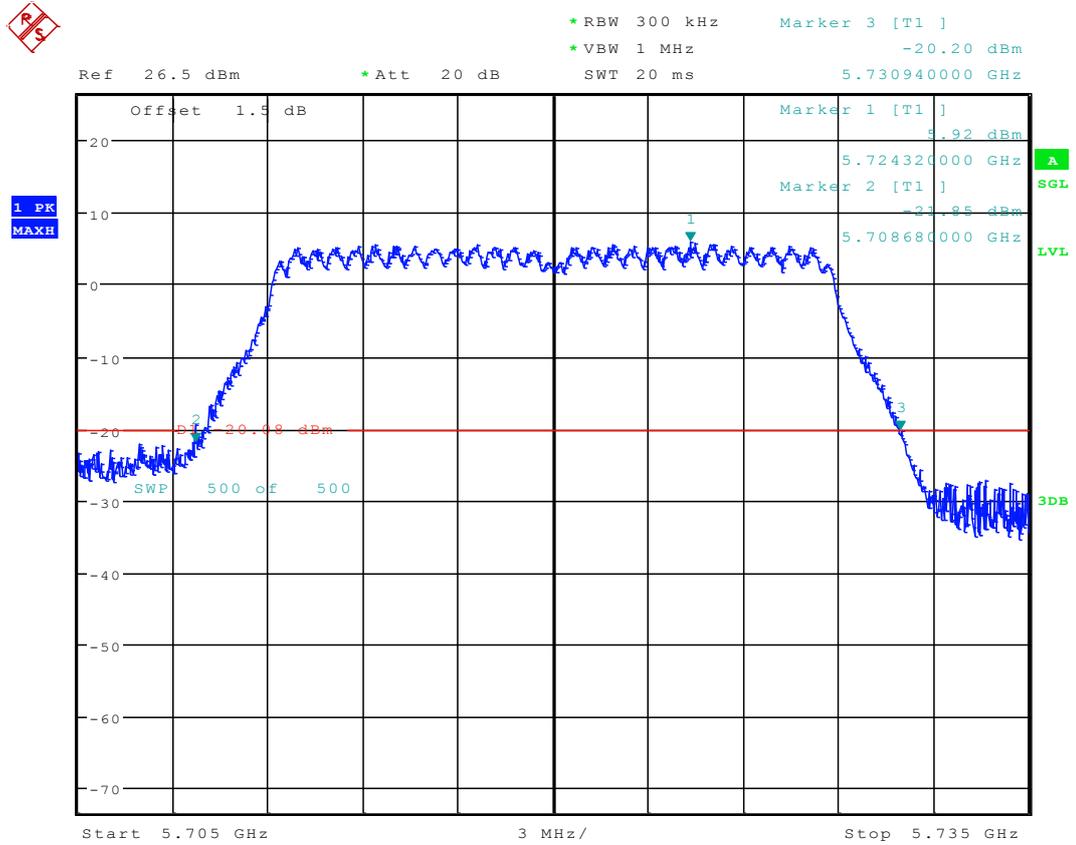
Date: 2.DEC.2017 17:42:47

### 3.115 11AC20MIMO\_144 ANT 1



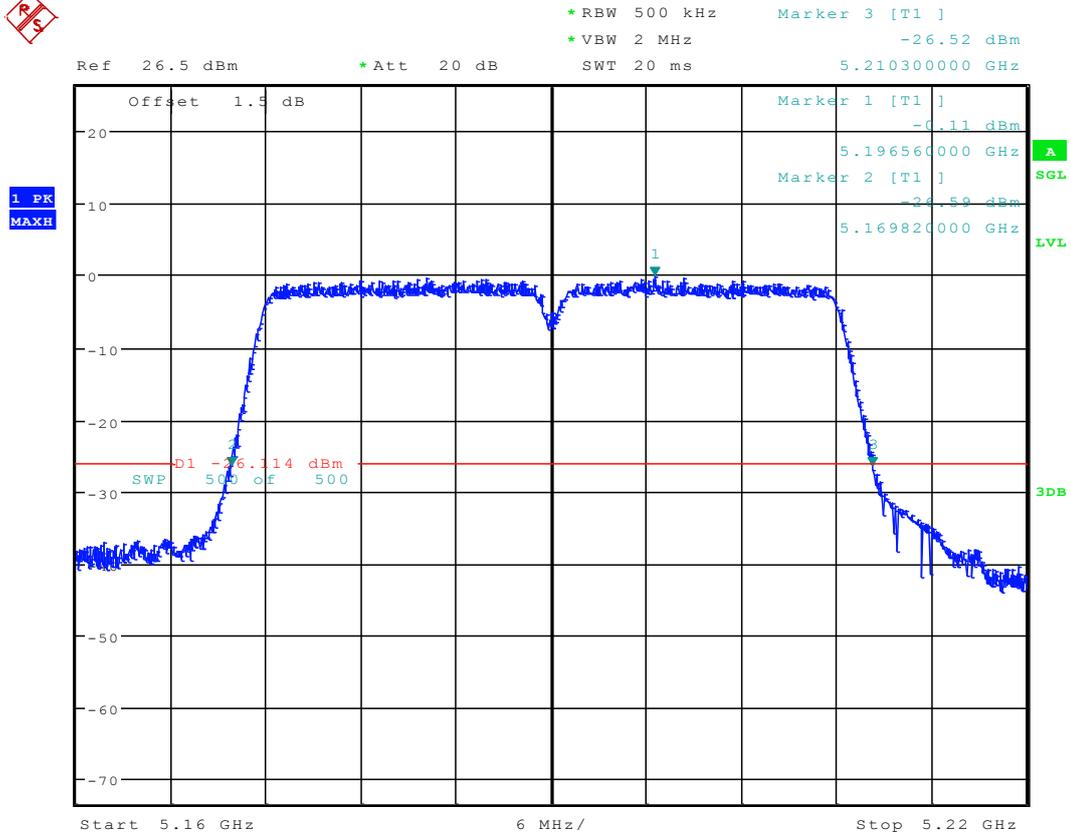
Date: 2.DEC.2017 15:06:43

### 3.116 11AC20MIMO\_144 ANT 2



Date: 2.DEC.2017 17:45:05

### 3.117 11AC40\_38 ANT 1

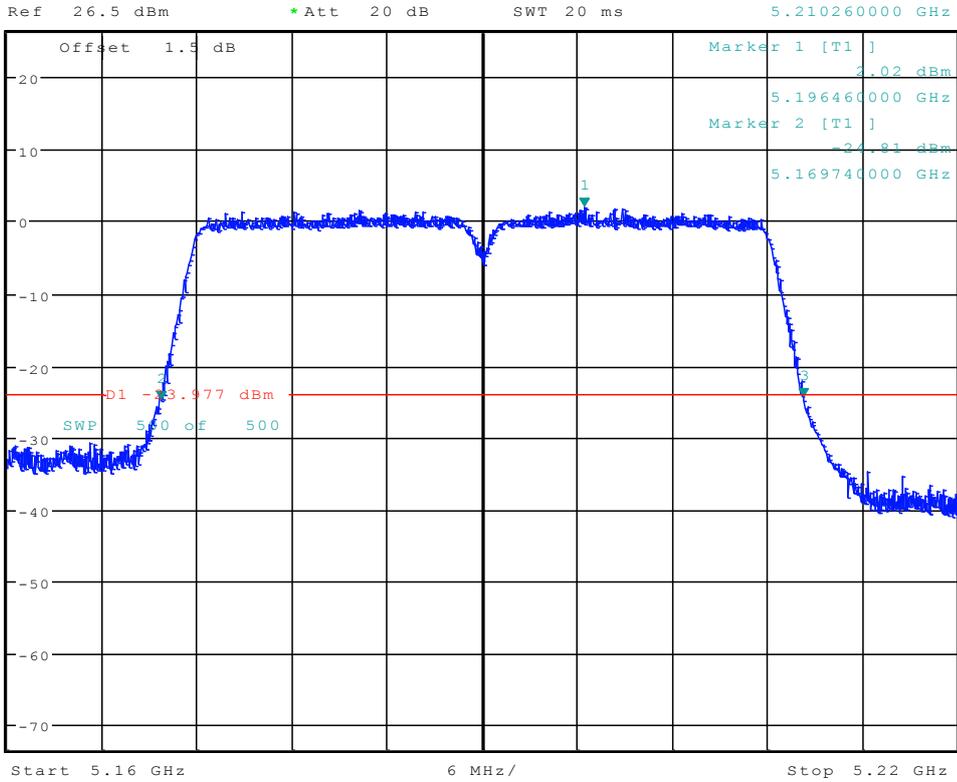


Date: 2.DEC.2017 09:50:11

### 3.118 11AC40\_38 ANT 2



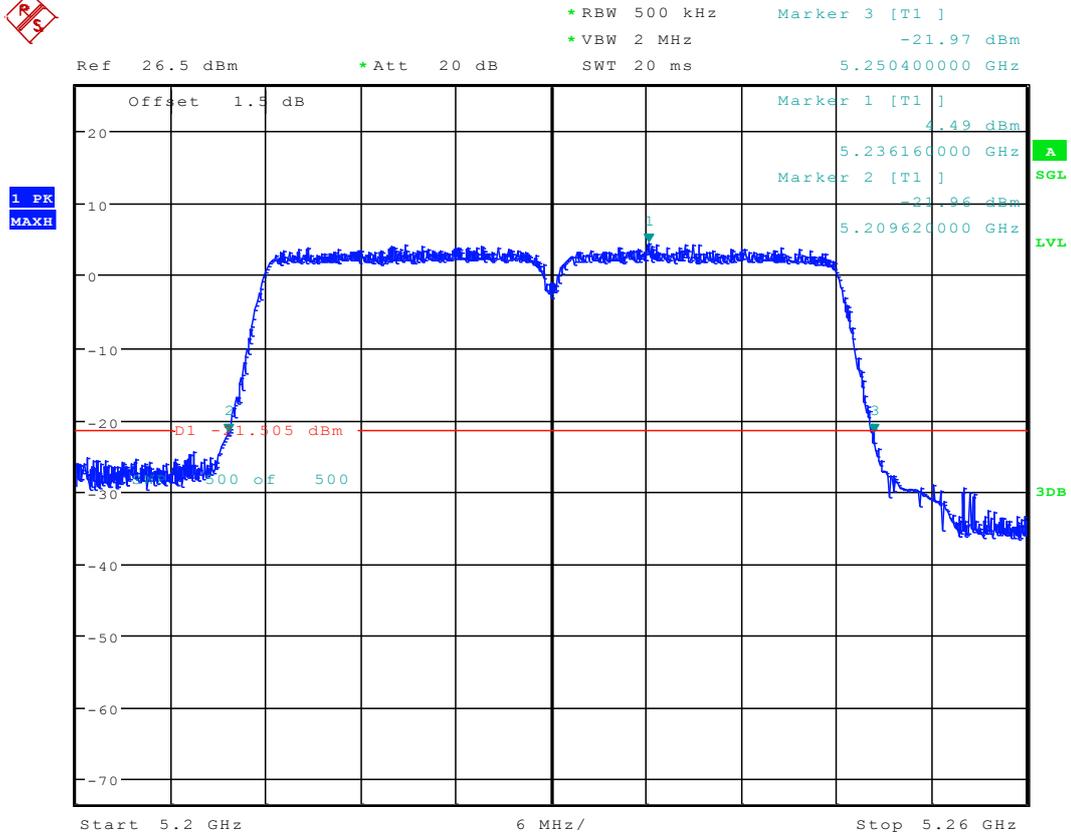
\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -24.50 dBm  
 SWT 20 ms      5.210260000 GHz



Date: 2.DEC.2017 10:42:58

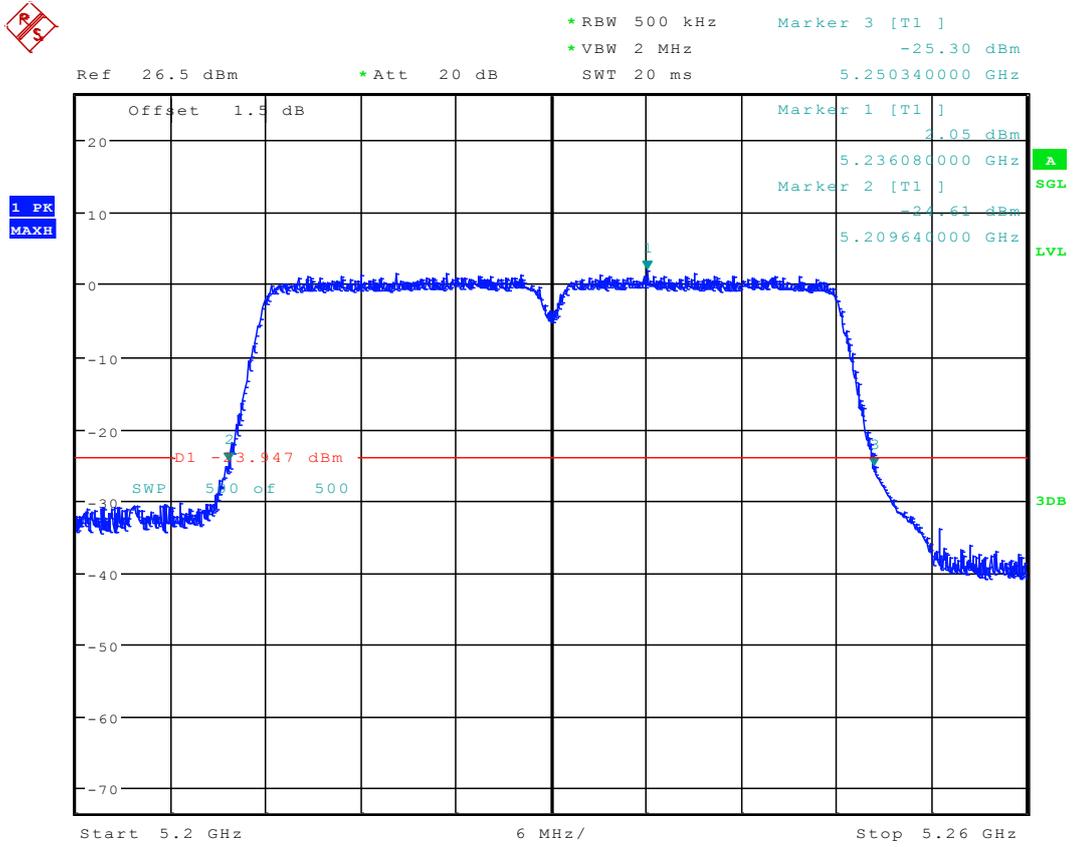


### 3.119 11AC40\_46 ANT 1



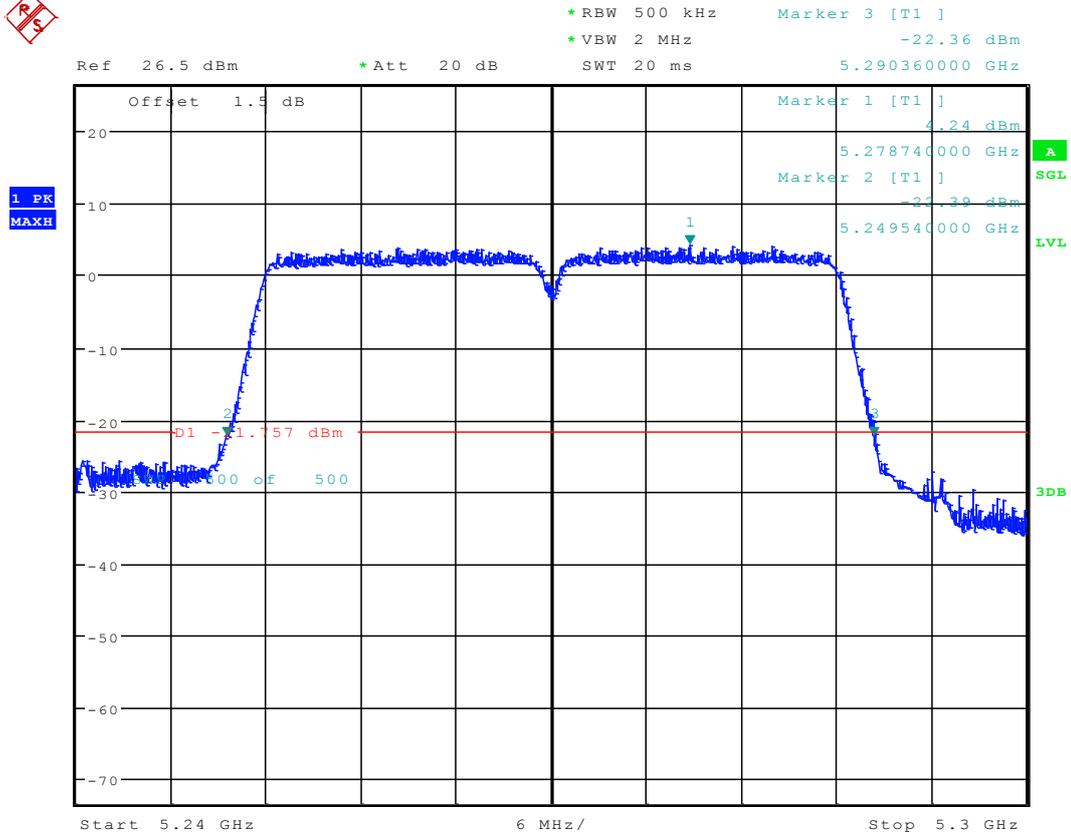
Date: 2.DEC.2017 09:52:36

### 3.120 11AC40\_46 ANT 2



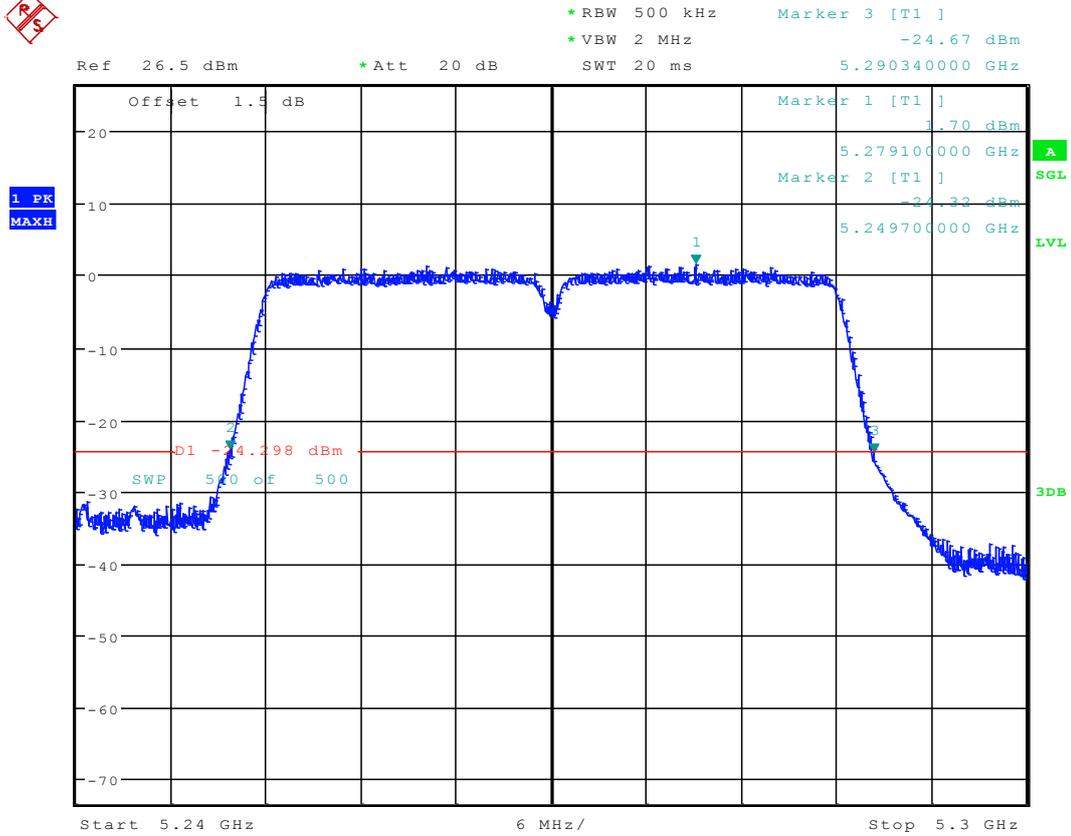
Date: 2.DEC.2017 10:45:16

### 3.121 11AC40\_54 ANT 1



Date: 2.DEC.2017 09:54:51

### 3.122 11AC40\_54 ANT 2

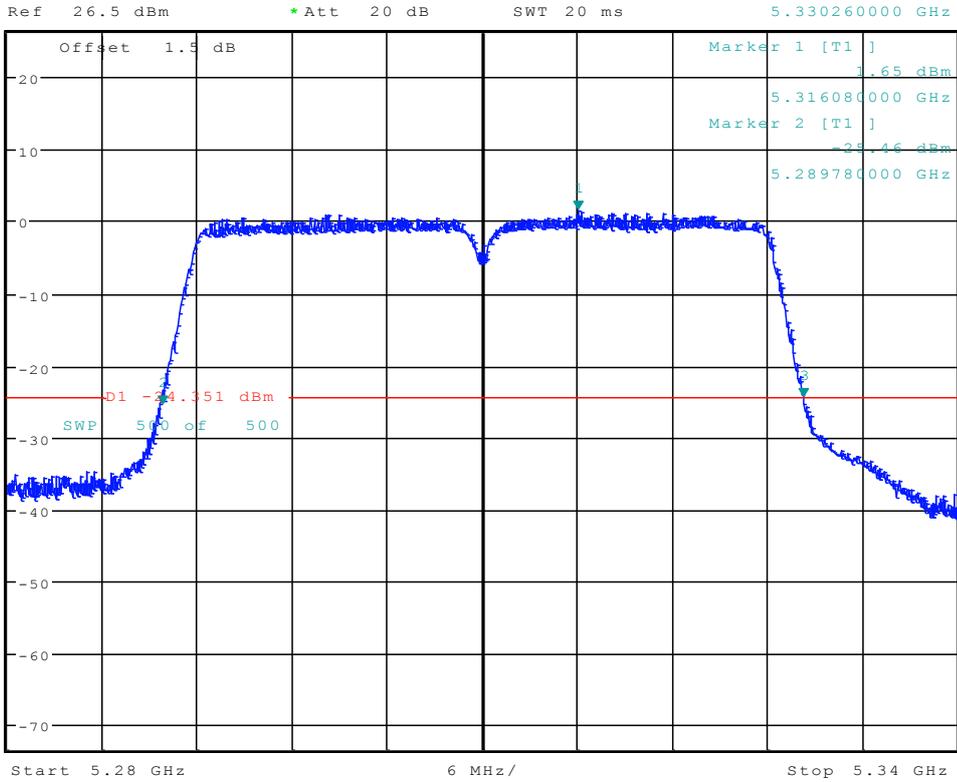


Date: 2.DEC.2017 10:47:32

### 3.123 11AC40\_62 ANT 1



\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -24.38 dBm  
 SWT 20 ms      5.330260000 GHz

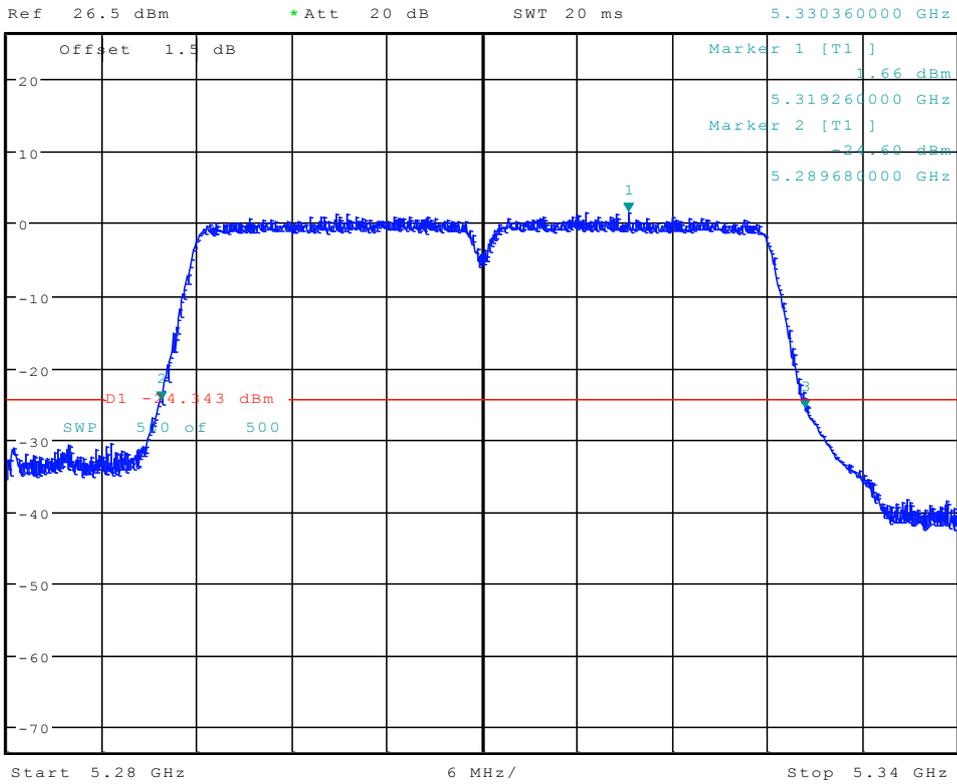


Date: 2.DEC.2017 09:57:03

### 3.124 11AC40\_62 ANT 2



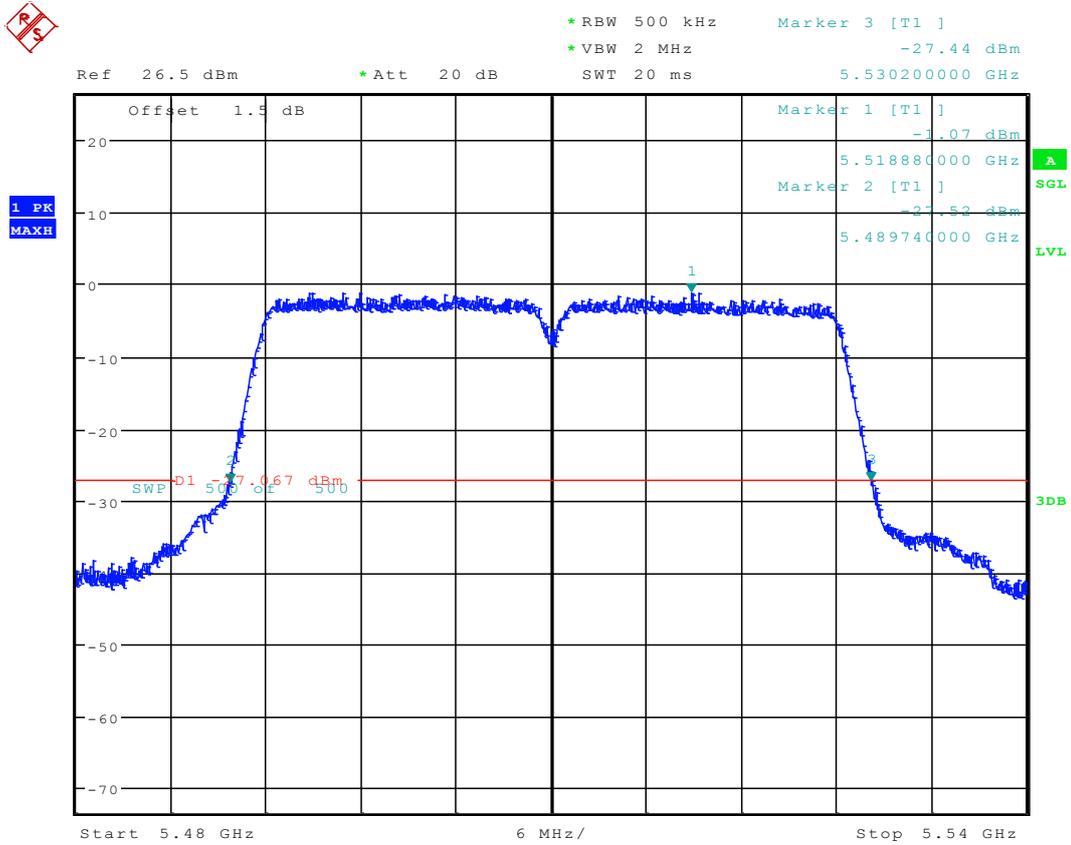
\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -25.72 dBm  
 SWT 20 ms      5.330360000 GHz



Date: 2.DEC.2017 11:03:45



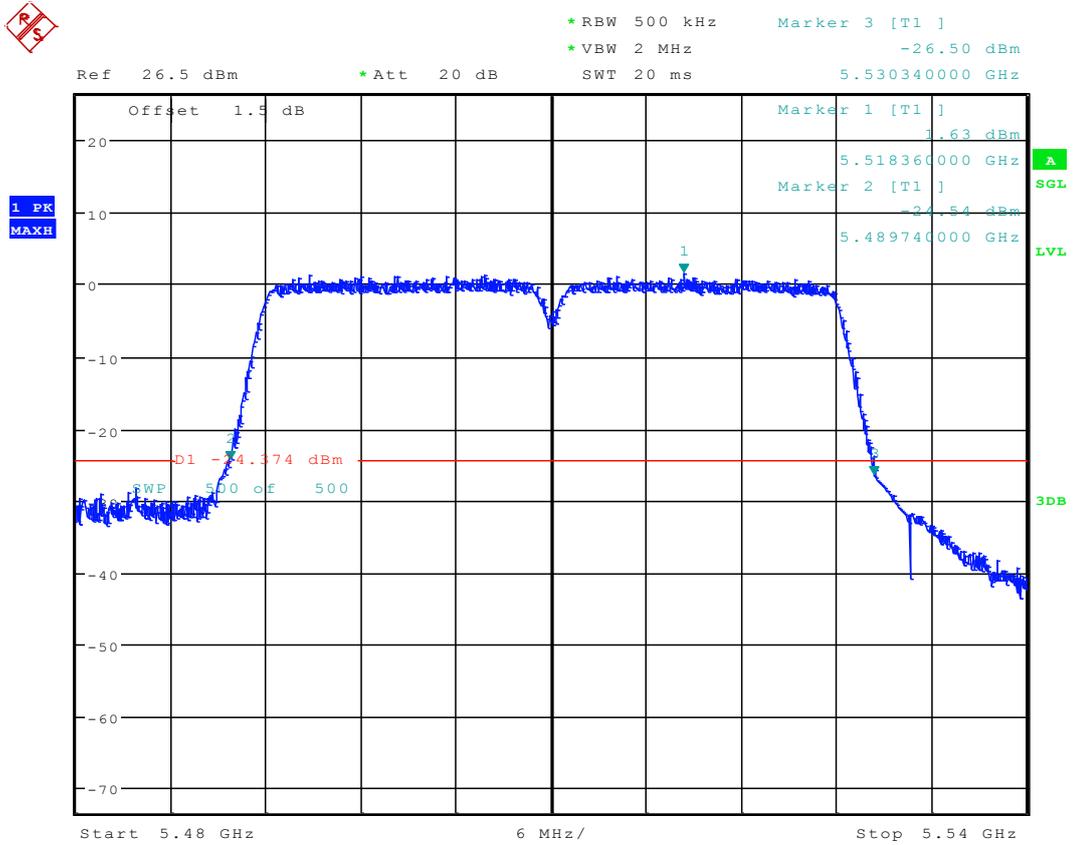
### 3.125 11AC40\_102 ANT 1



Date: 2.DEC.2017 09:59:57

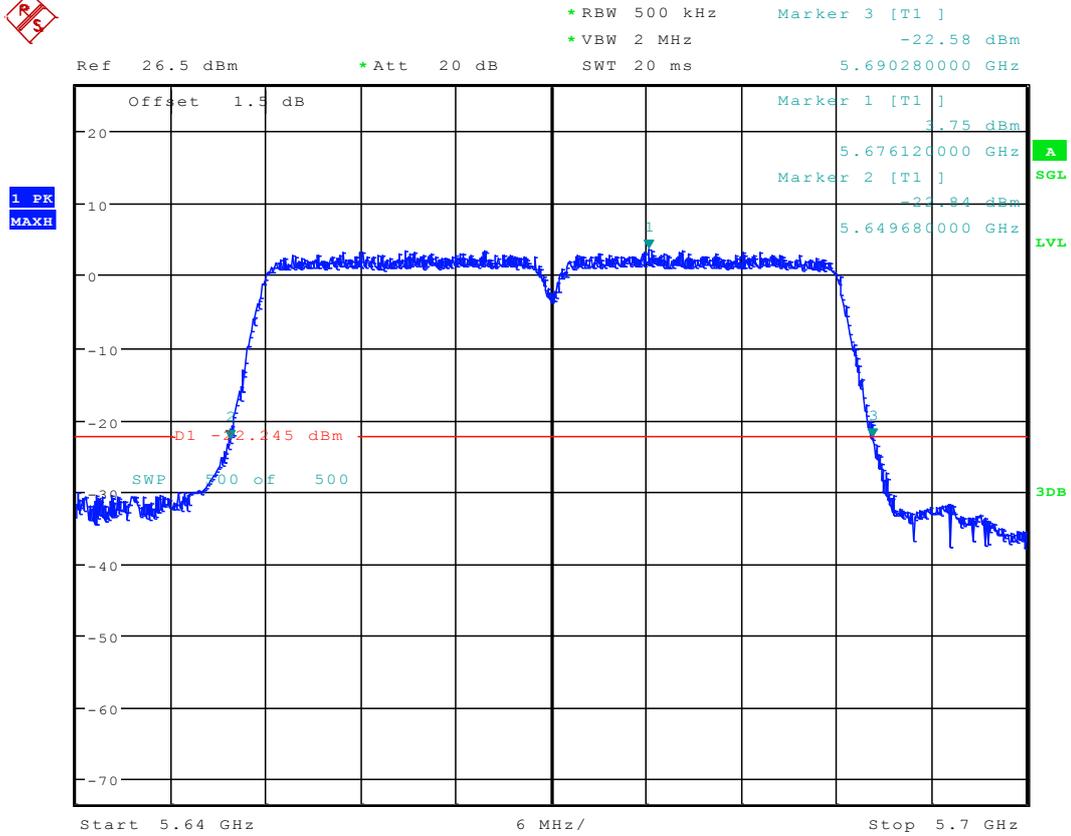


### 3.126 11AC40\_102 ANT 2



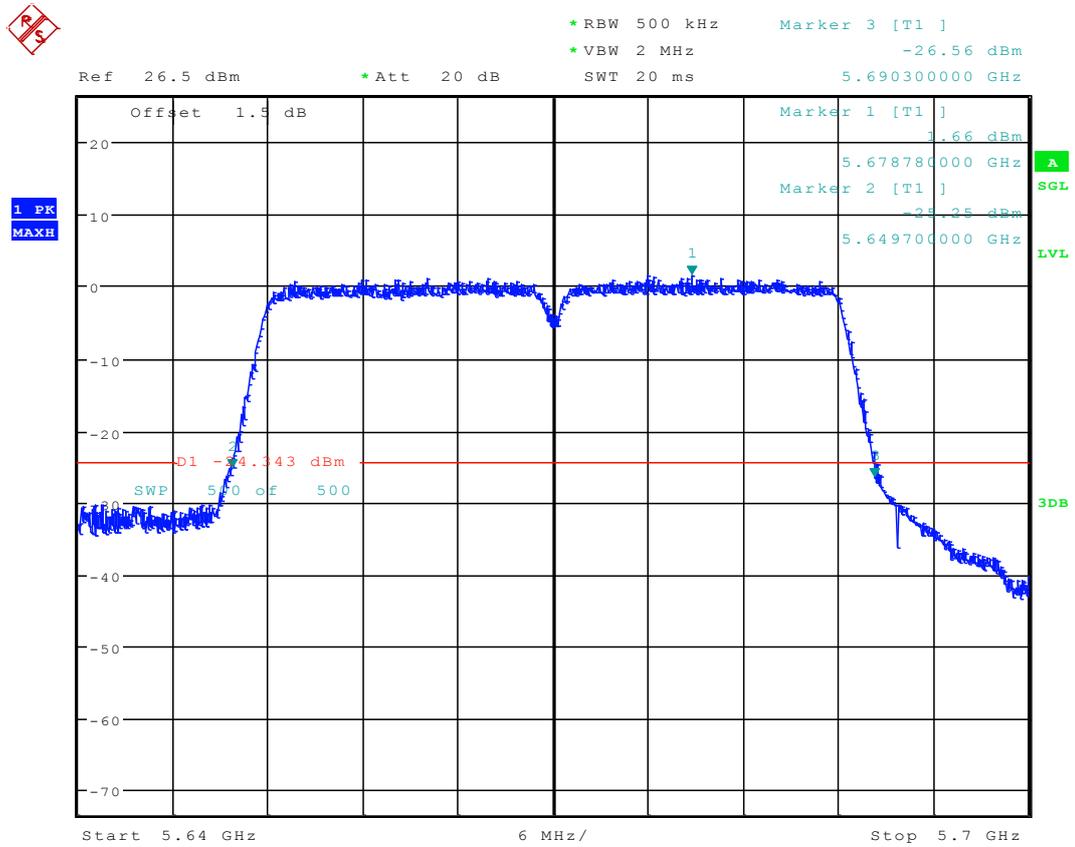
Date: 2.DEC.2017 10:50:52

### 3.127 11AC40\_134 ANT 1



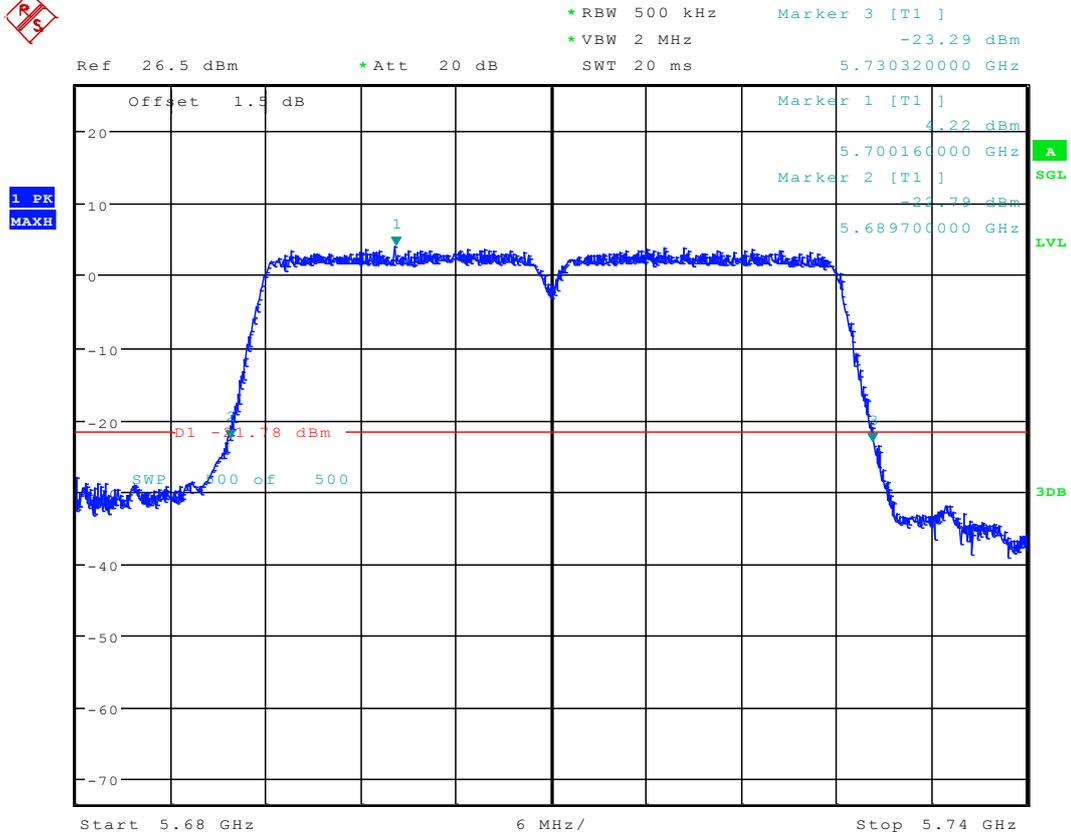
Date: 2.DEC.2017 13:00:11

## 3.128 11AC40\_134 ANT 2



Date: 2.DEC.2017 10:53:04

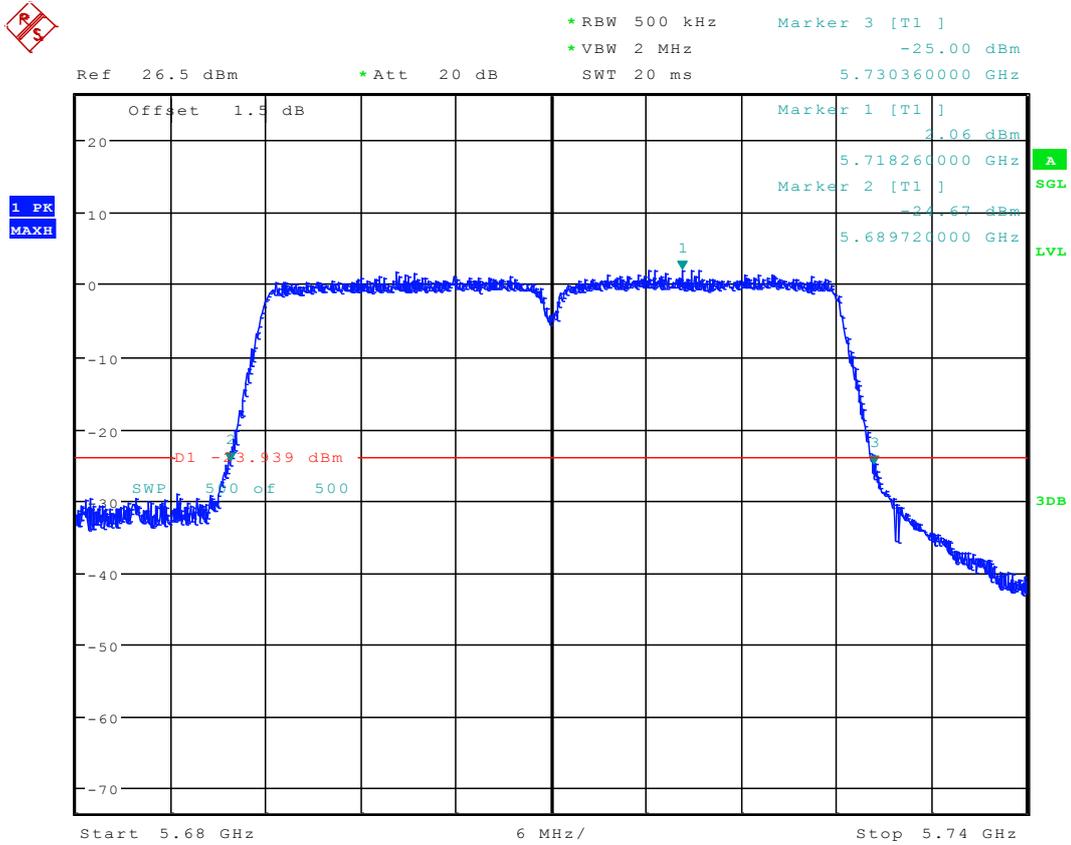
### 3.129 11AC40\_142 ANT 1



Date: 2.DEC.2017 10:02:46

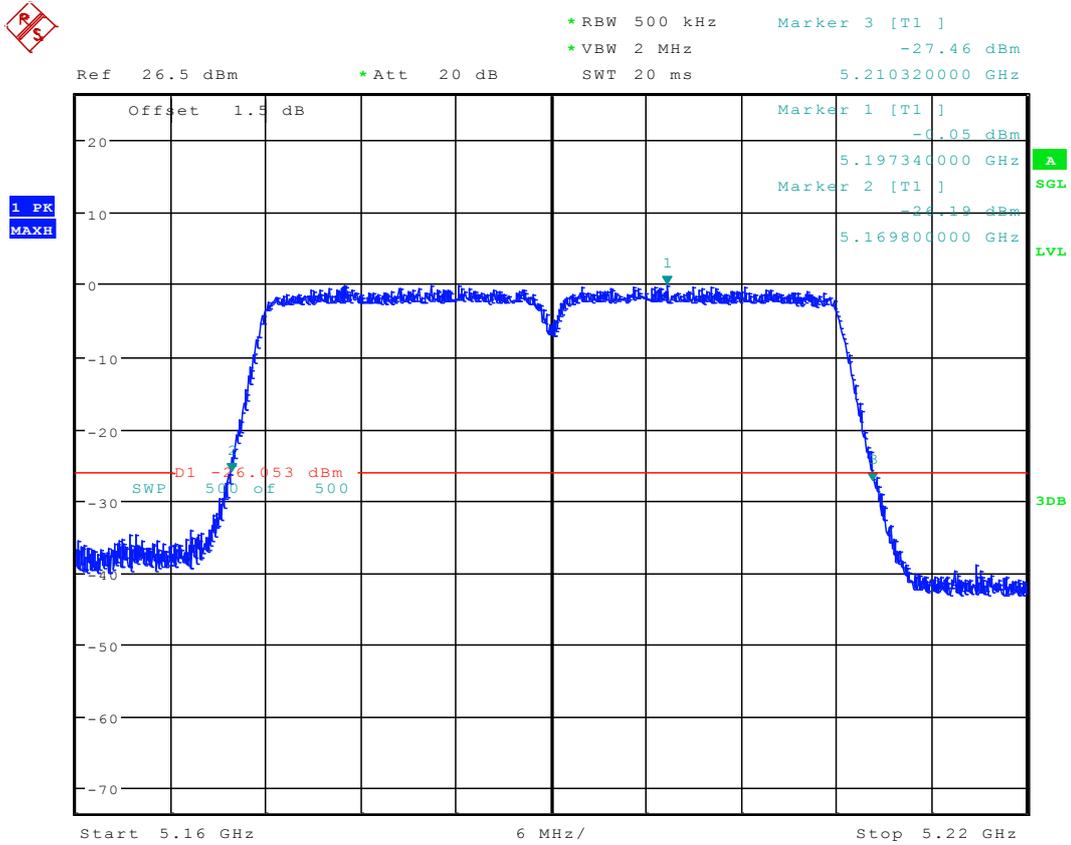


### 3.130 11AC40\_142 ANT 2



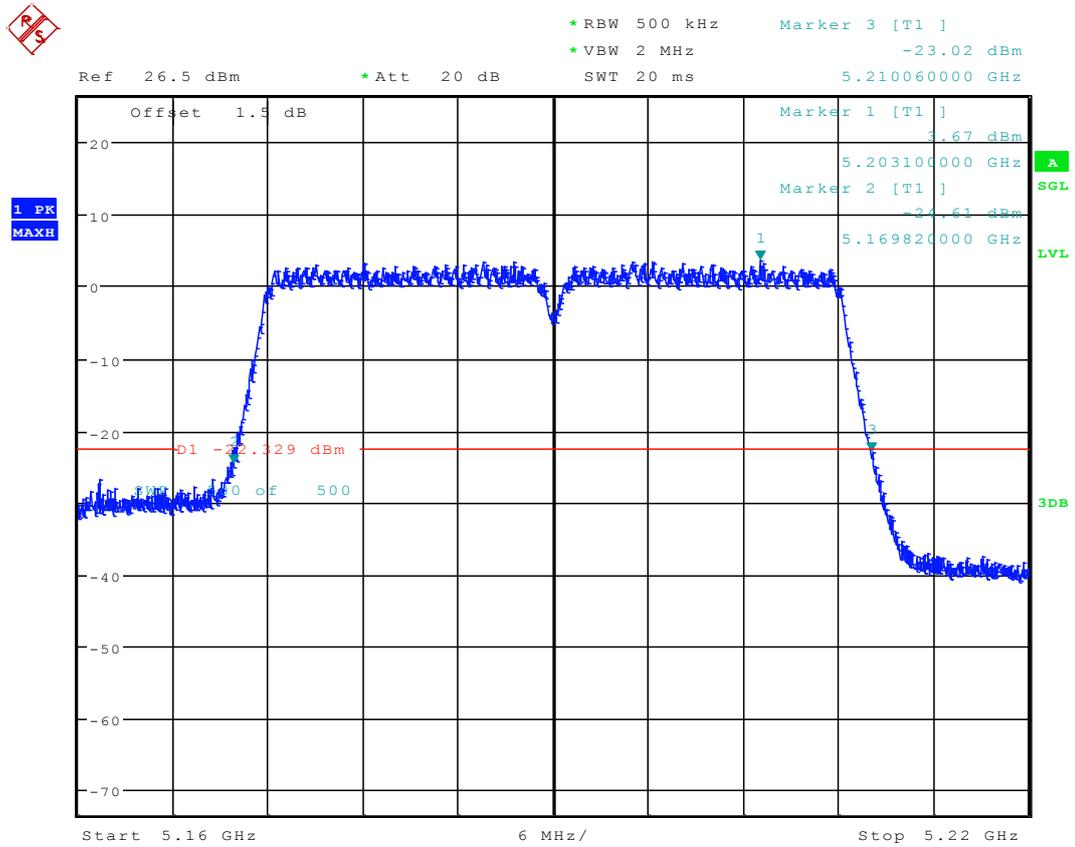
Date: 2.DEC.2017 10:55:29

### 3.131 11AC40MIMO\_38 ANT 1



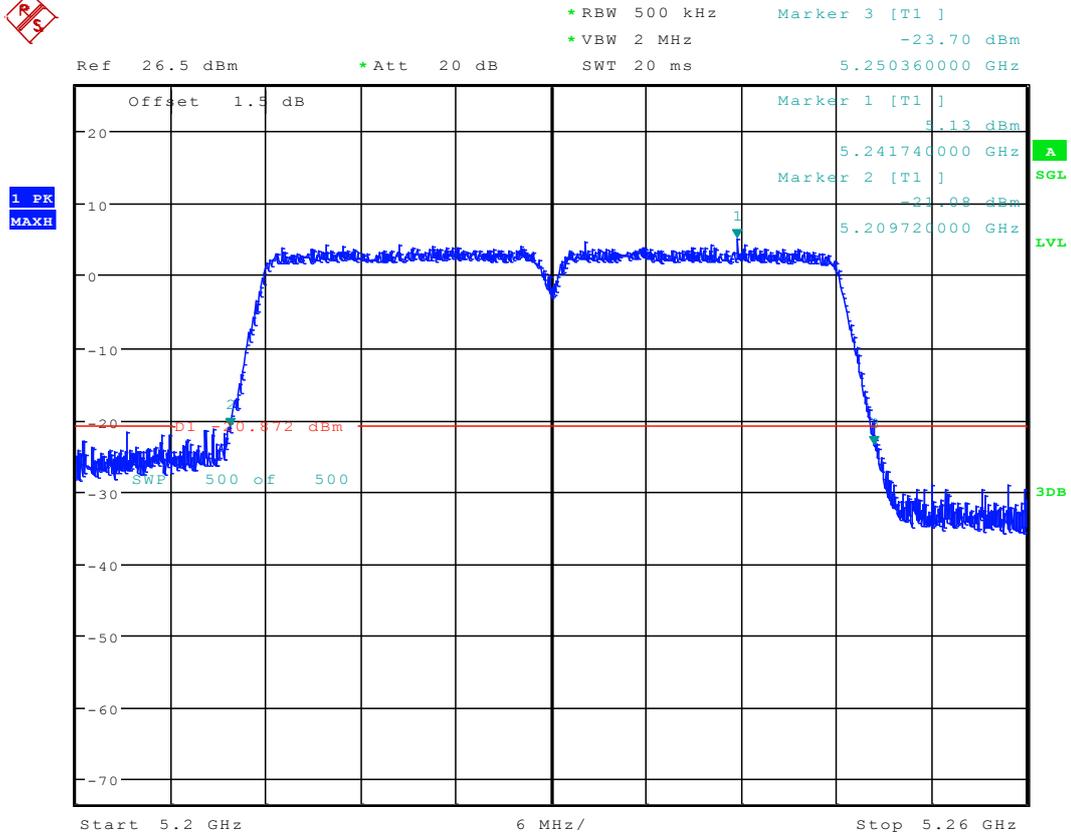
Date: 7.DEC.2017 08:57:55

## 3.132 11AC40MIMO\_38 ANT 2



Date: 7.DEC.2017 10:38:53

### 3.133 11AC40MIMO\_46 ANT 1

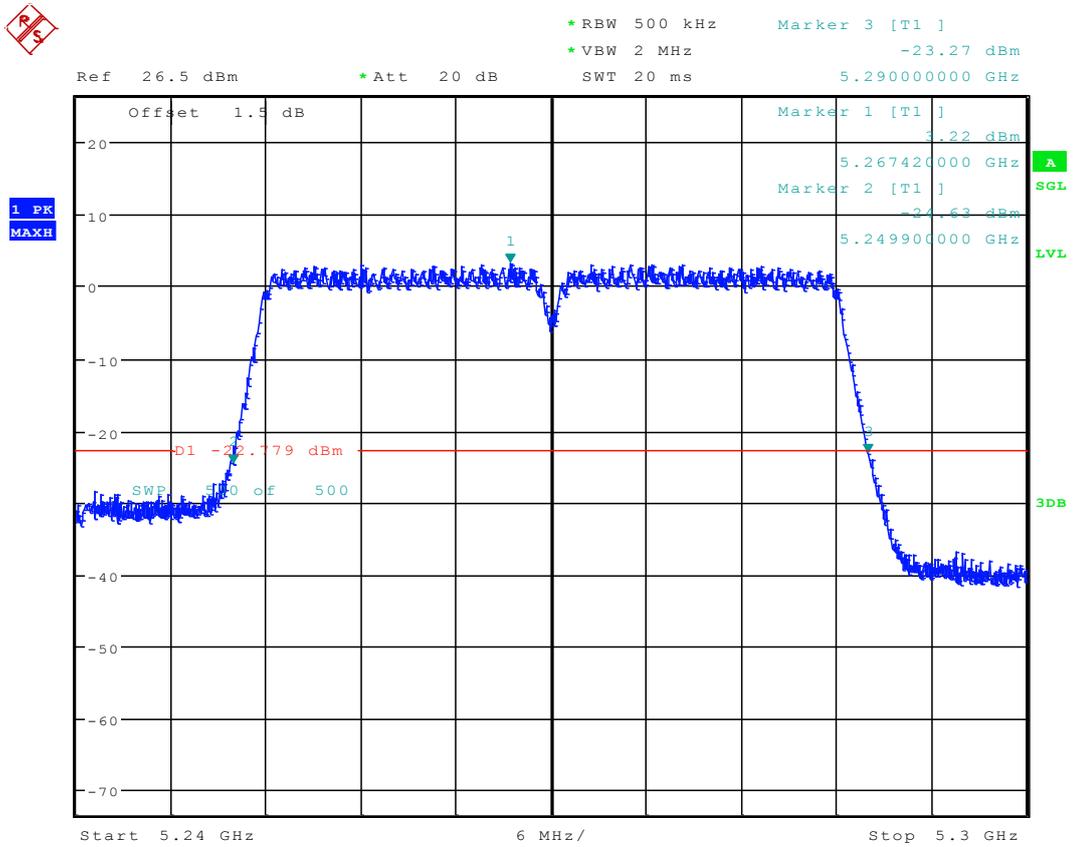


Date: 7.DEC.2017 09:00:29



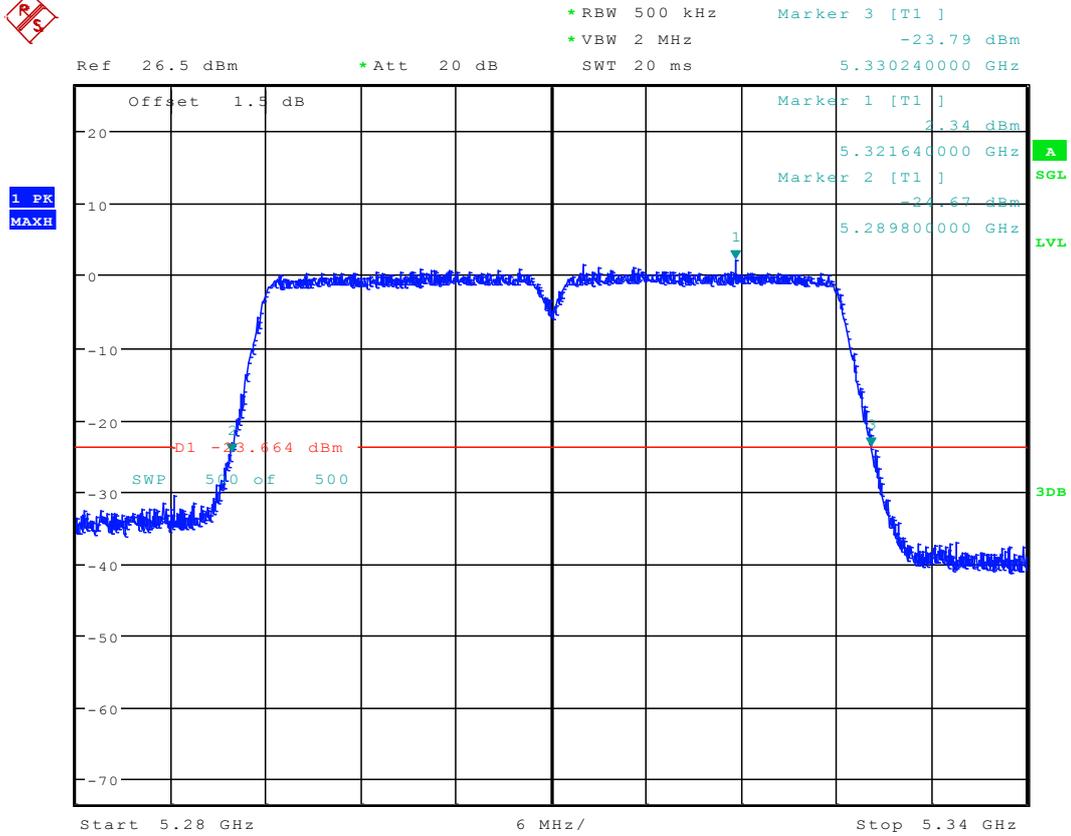


## 3.136 11AC40MIMO\_54 ANT 2



Date: 7.DEC.2017 10:47:25

### 3.137 11AC40MIMO\_62 ANT 1



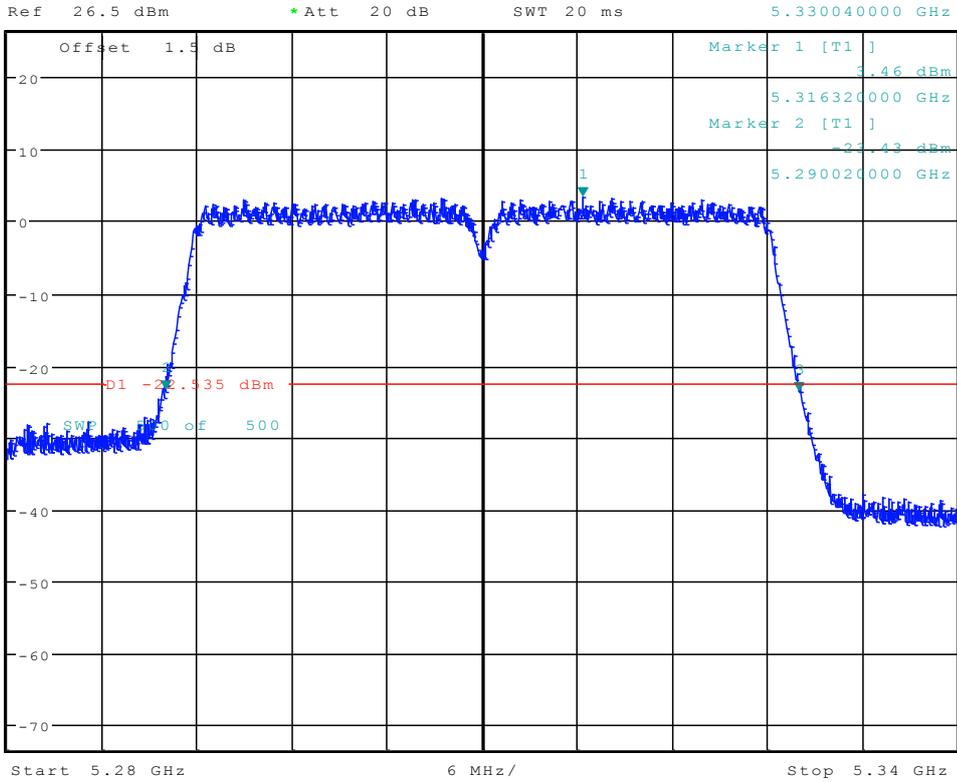
Date: 7.DEC.2017 09:05:56



### 3.138 11AC40MIMO\_62 ANT 2

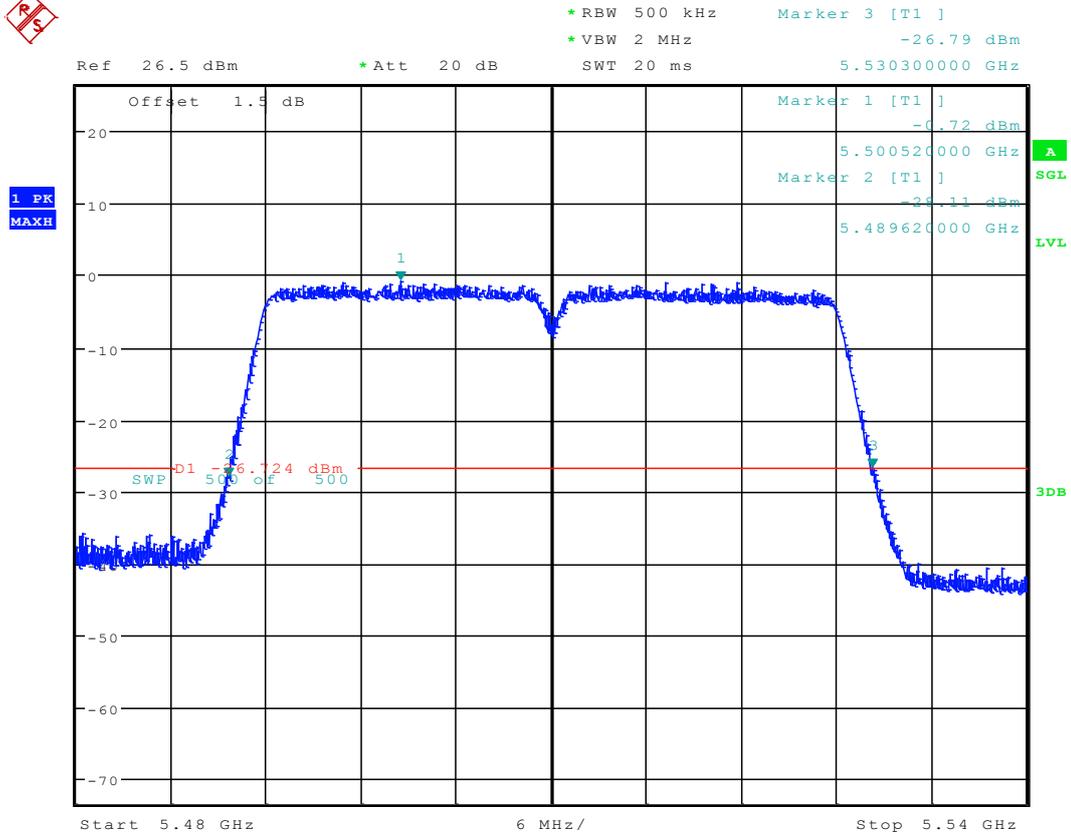


\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -23.55 dBm  
 SWT 20 ms      5.330040000 GHz



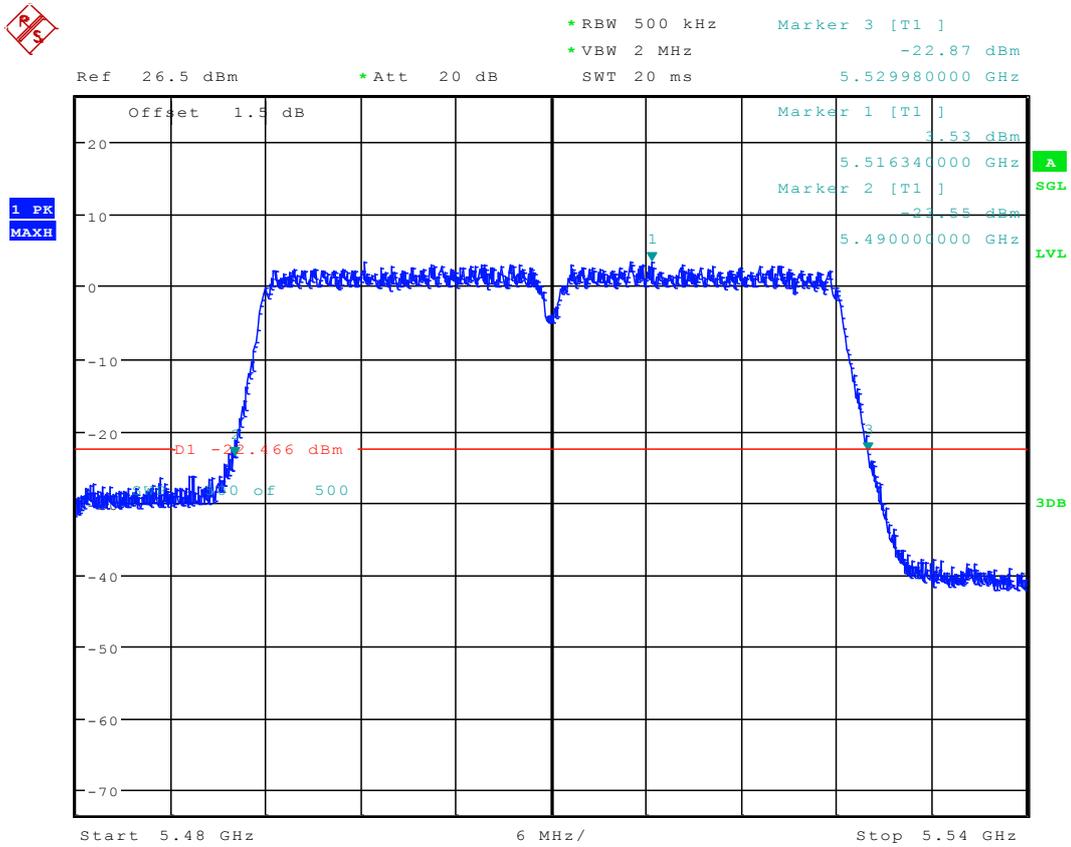
Date: 7.DEC.2017 10:51:08

### 3.139 11AC40MIMO\_102 ANT 1



Date: 7.DEC.2017 09:08:46

### 3.140 11AC40MIMO\_102 ANT 2

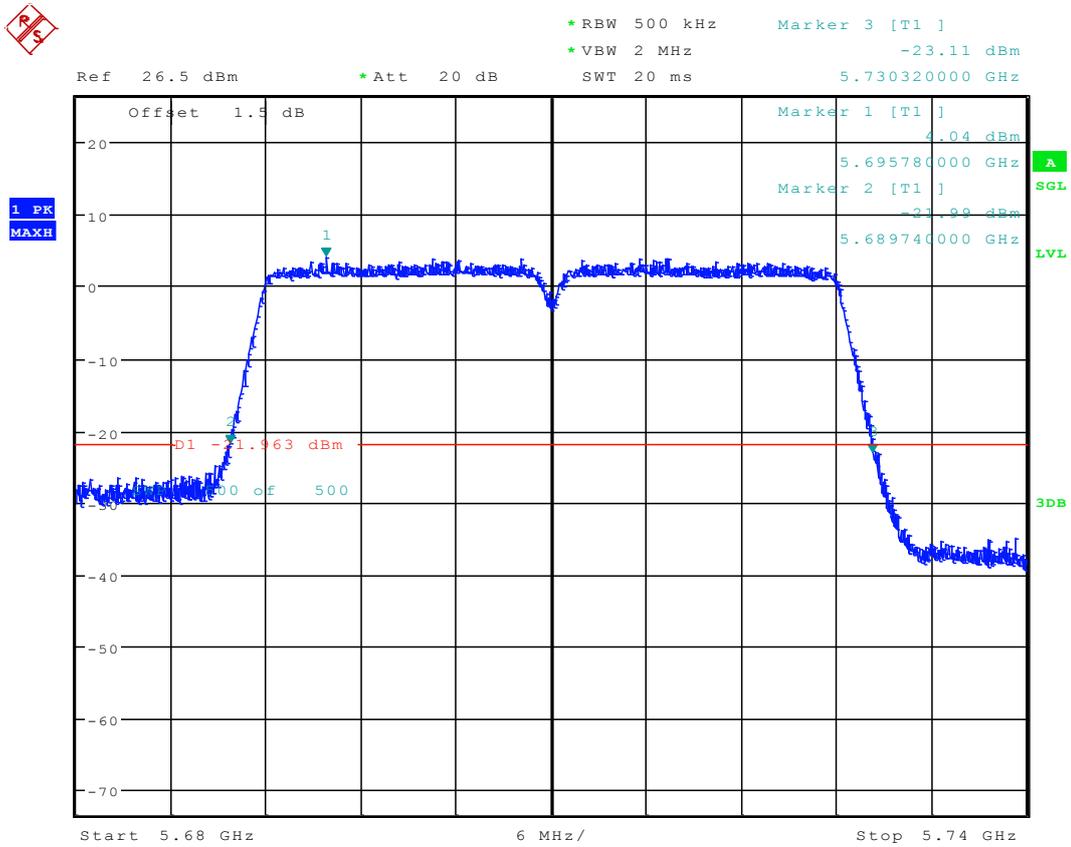


Date: 7.DEC.2017 10:57:21





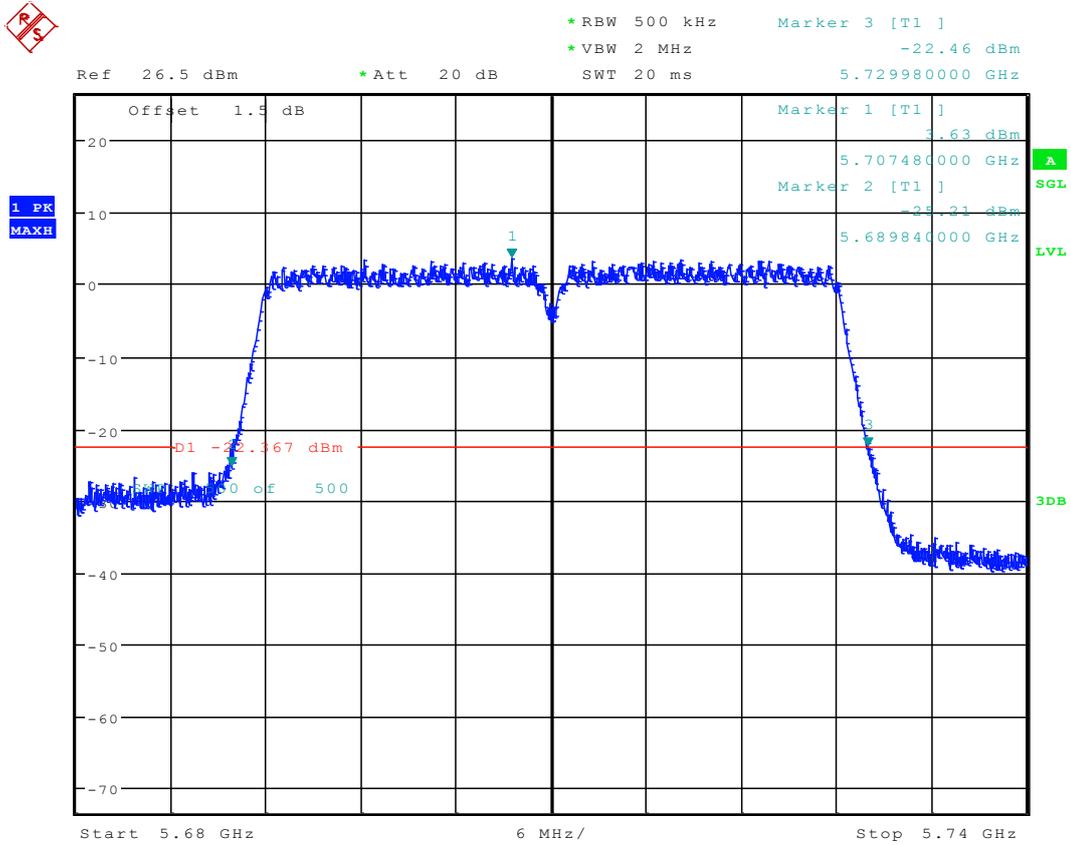
### 3.143 11AC40MIMO\_142 ANT 1



Date: 7.DEC.2017 09:14:09



### 3.144 11AC40MIMO\_142 ANT 2



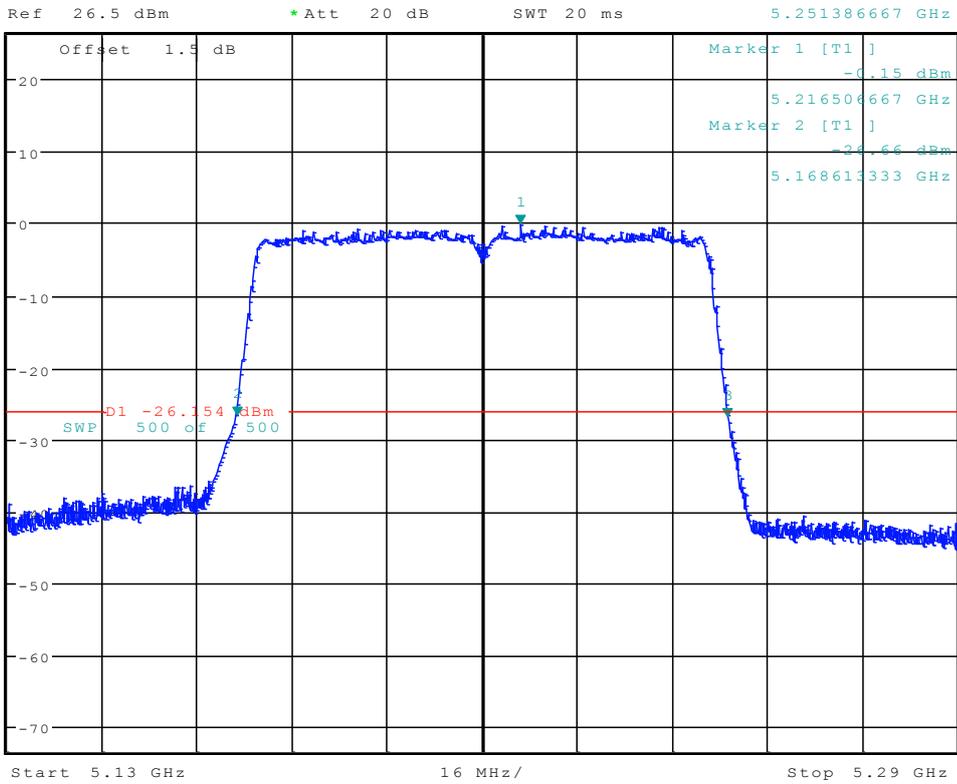
Date: 7.DEC.2017 11:02:58



### 3.145 11AC80\_42 ANT 1



\*RBW 1 MHz      Marker 3 [T1 ]  
 \*VBW 3 MHz      -26.97 dBm  
 SWT 20 ms      5.251386667 GHz



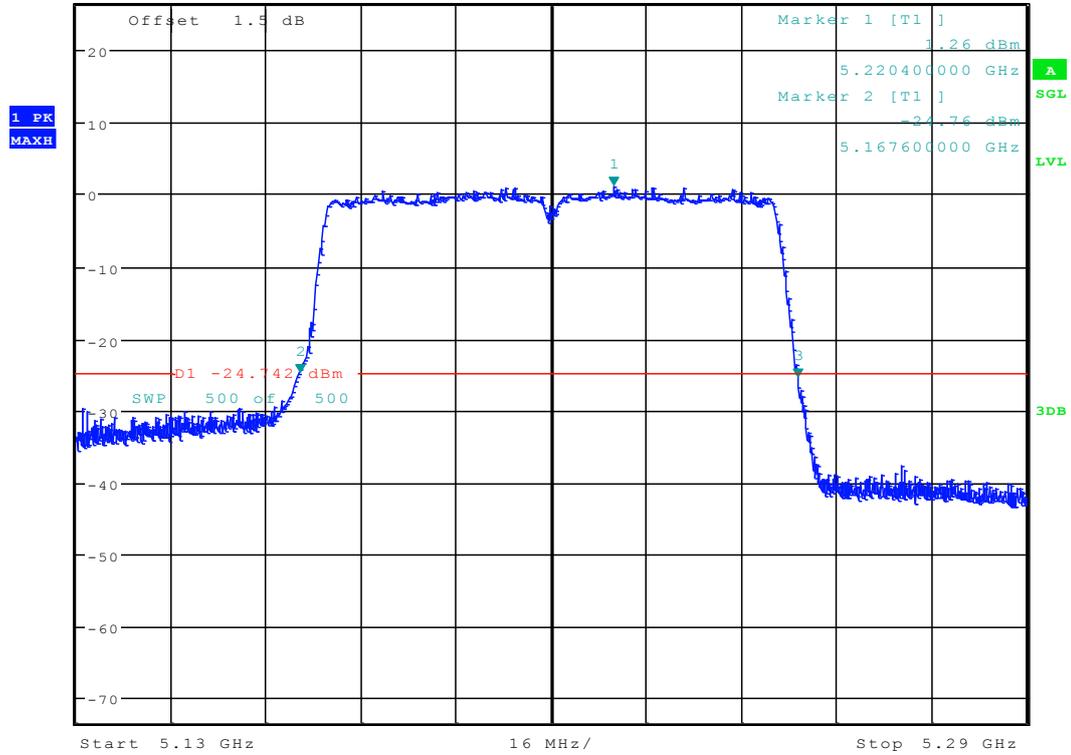
Date: 7.DEC.2017 08:11:10



### 3.146 11AC80\_42 ANT 2



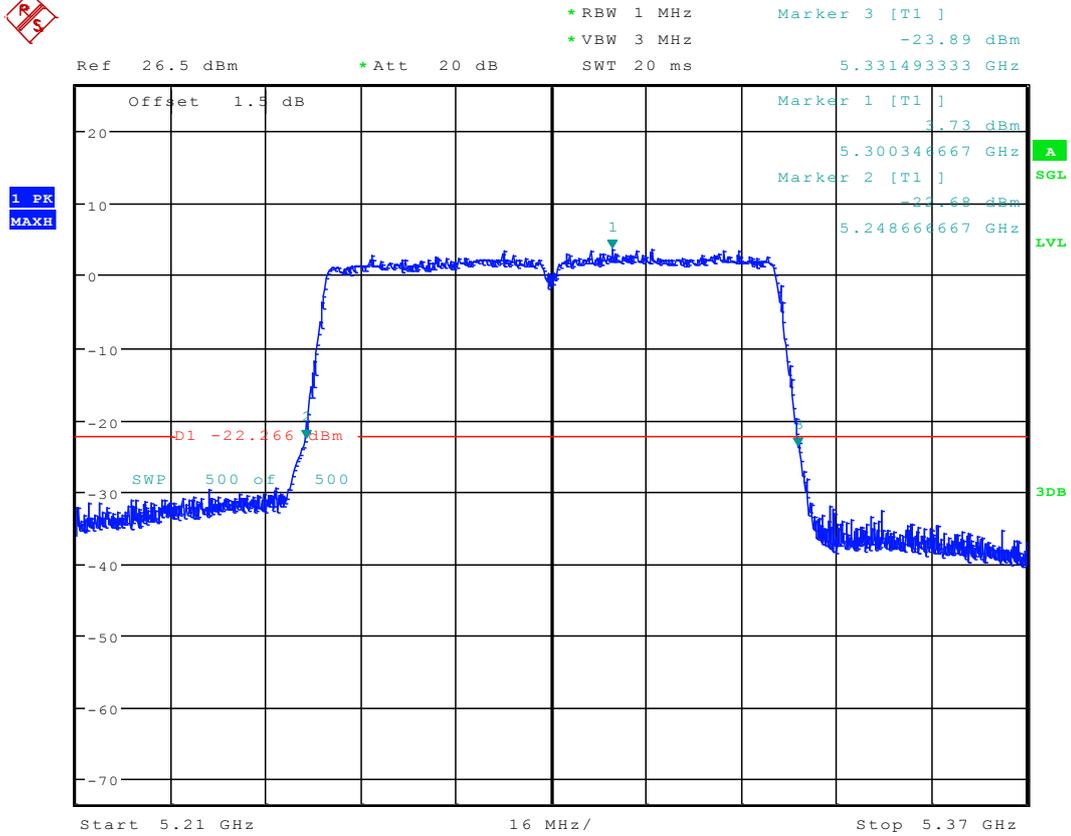
\*RBW 1 MHz      Marker 3 [T1 ]  
 \*VBW 3 MHz      -25.53 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.251440000 GHz



Date: 7.DEC.2017 09:51:17



### 3.147 11AC80\_58 ANT 1



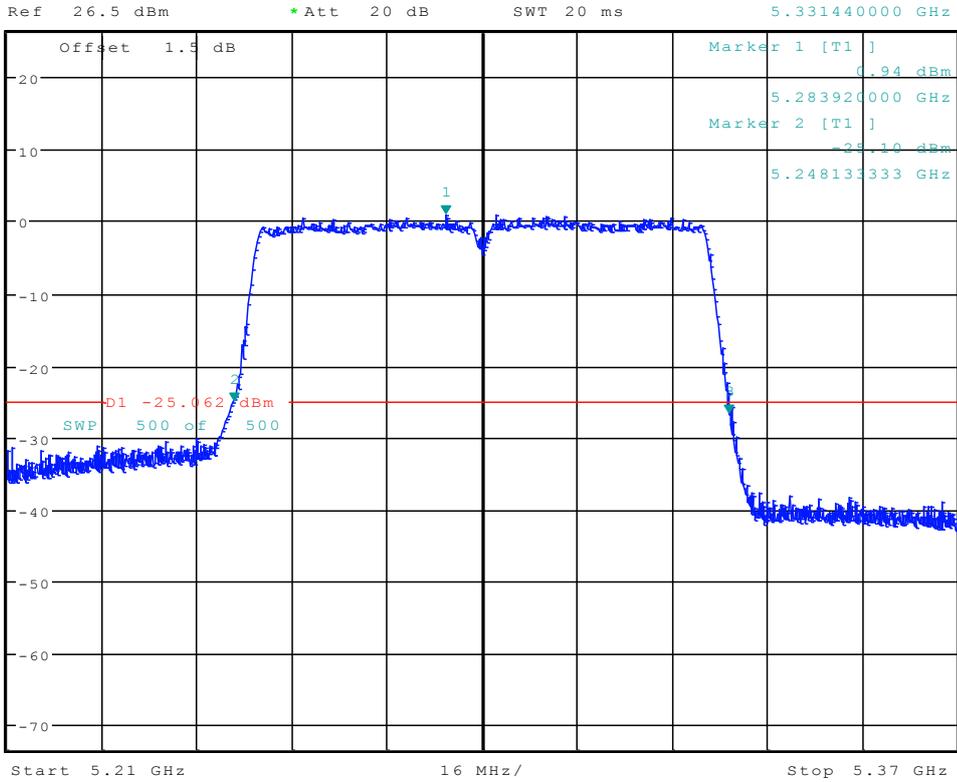
Date: 7.DEC.2017 08:14:06



### 3.148 11AC80\_58 ANT 2



\*RBW 1 MHz      Marker 3 [T1 ]  
 \*VBW 3 MHz      -26.70 dBm  
 SWT 20 ms      5.331440000 GHz



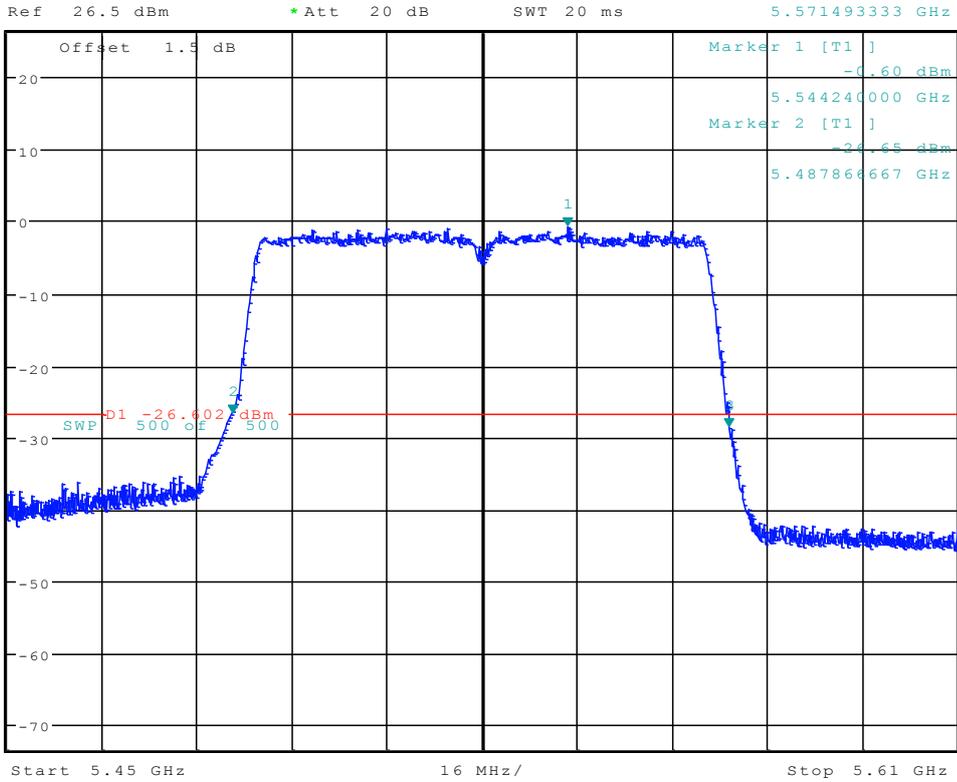
Date: 7.DEC.2017 09:54:22



### 3.149 11AC80\_106 ANT 1



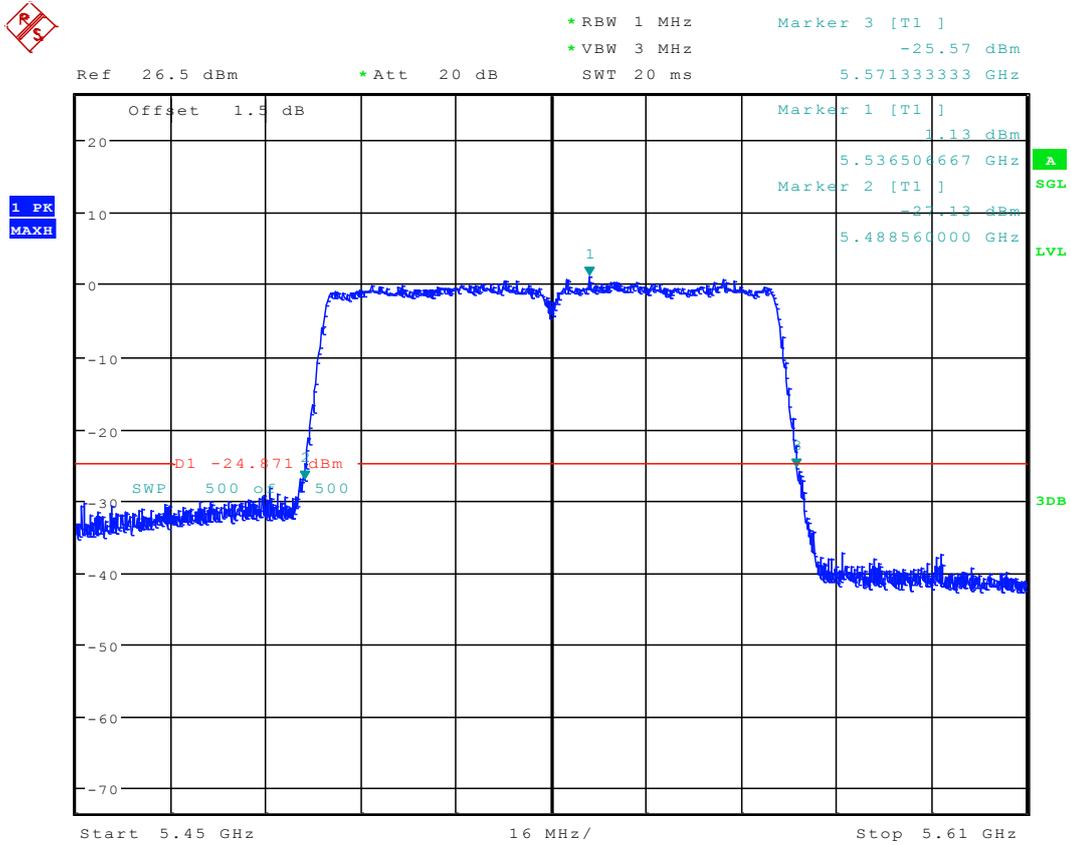
\*RBW 1 MHz      Marker 3 [T1 ]  
 \*VBW 3 MHz      -28.72 dBm  
 SWT 20 ms      5.571493333 GHz



Date: 7.DEC.2017 08:17:18



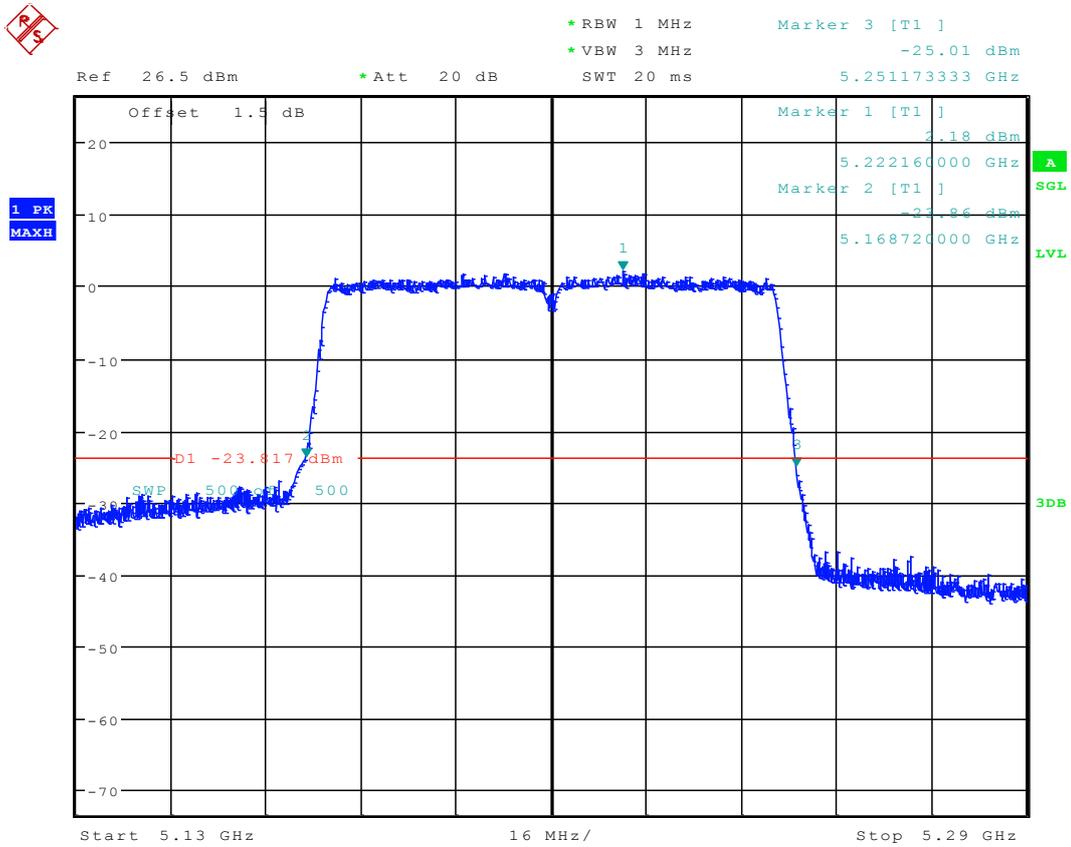
### 3.150 11AC80\_106 ANT 2



Date: 7.DEC.2017 09:57:12



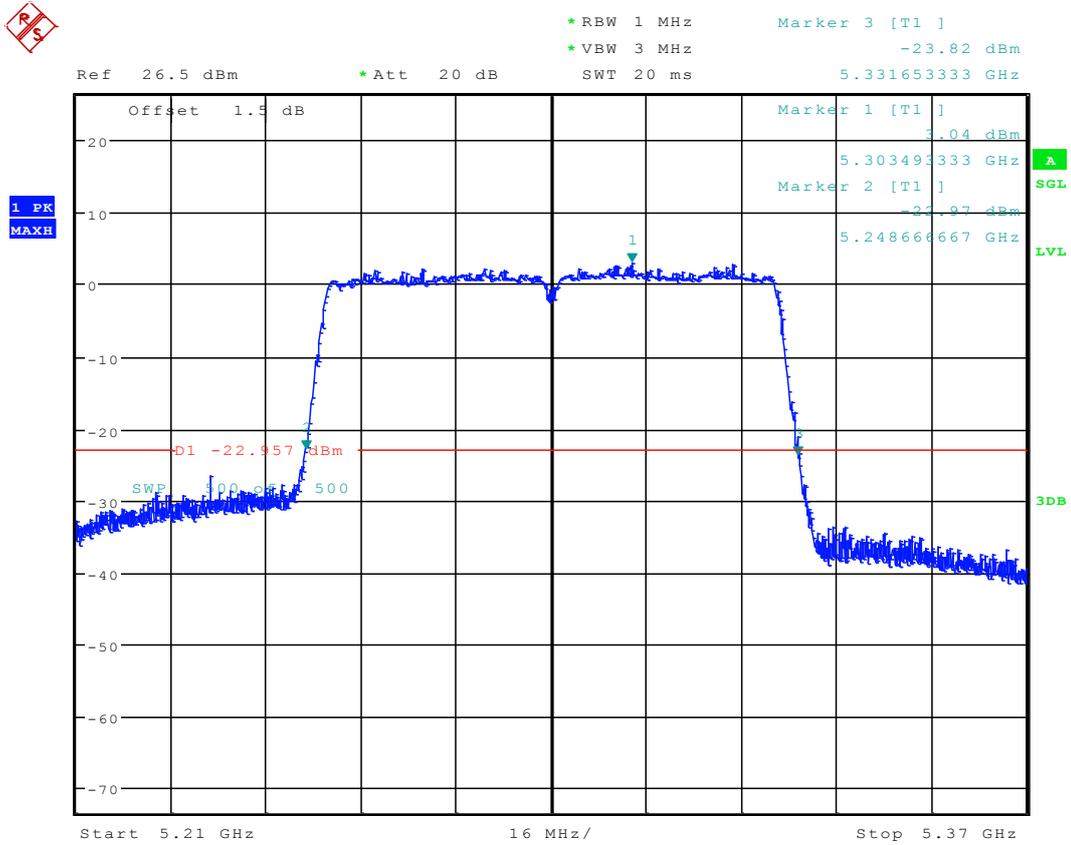
### 3.152 11AC80MIMO\_42 ANT 2



Date: 7.DEC.2017 11:13:35

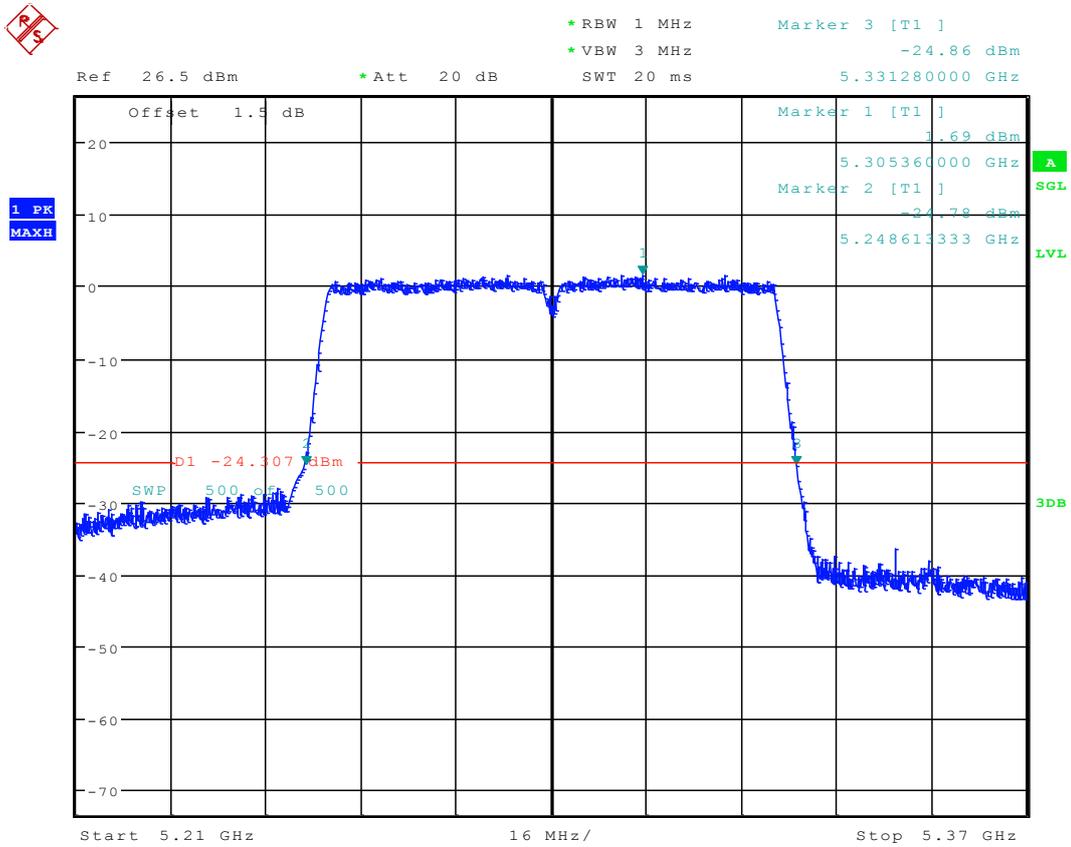


### 3.153 11AC80MIMO\_58 ANT 1



Date: 7.DEC.2017 09:27:20

### 3.154 11AC80MIMO\_58 ANT 2



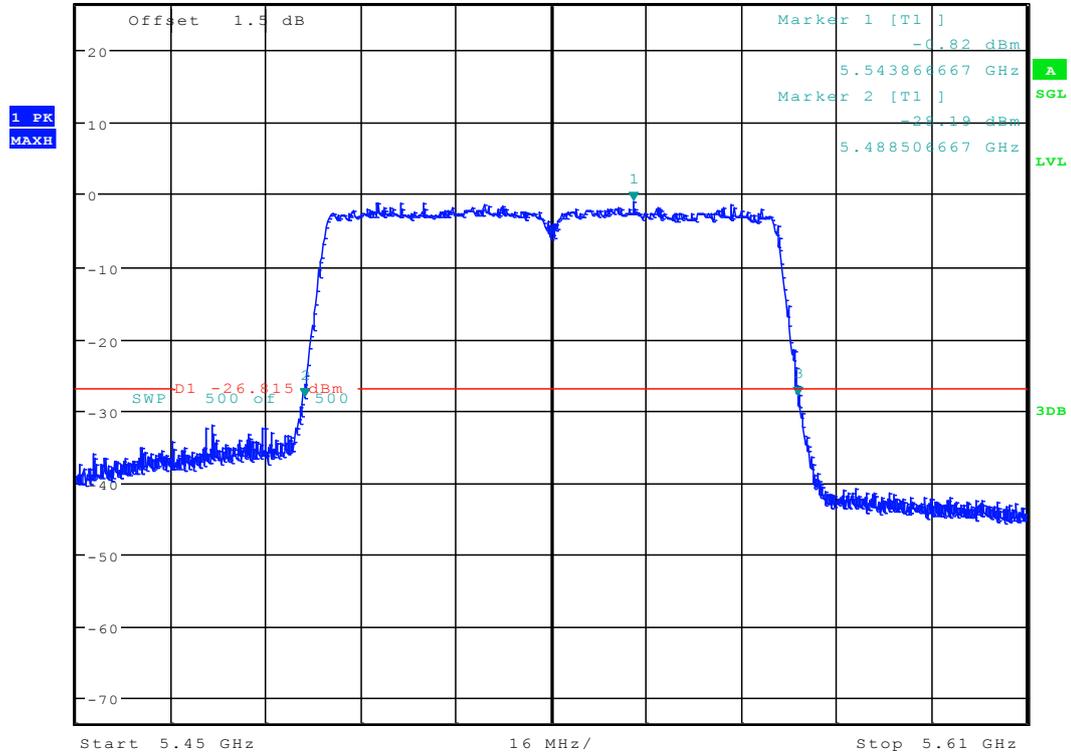
Date: 7.DEC.2017 12:46:25



### 3.155 11AC80MIMO\_106 ANT 1



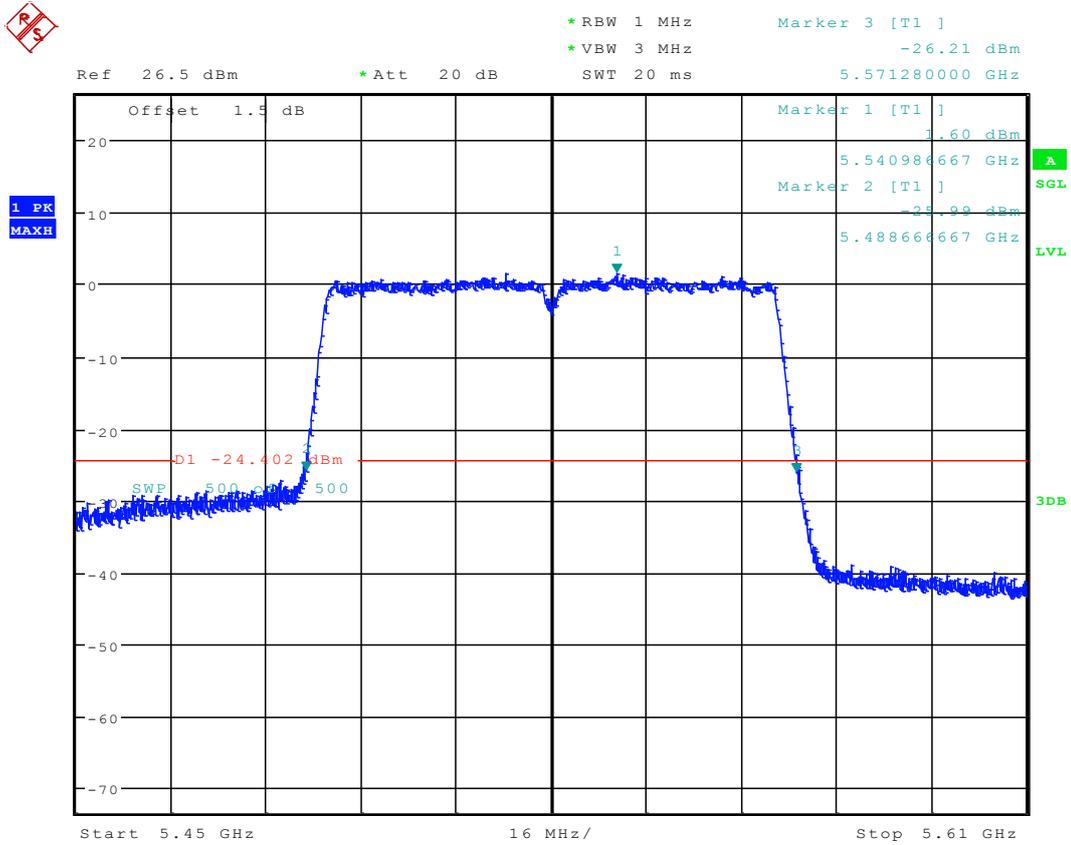
\*RBW 1 MHz      Marker 3 [T1 ]  
 \*VBW 3 MHz      -28.04 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.571546667 GHz



Date: 7.DEC.2017 09:29:57

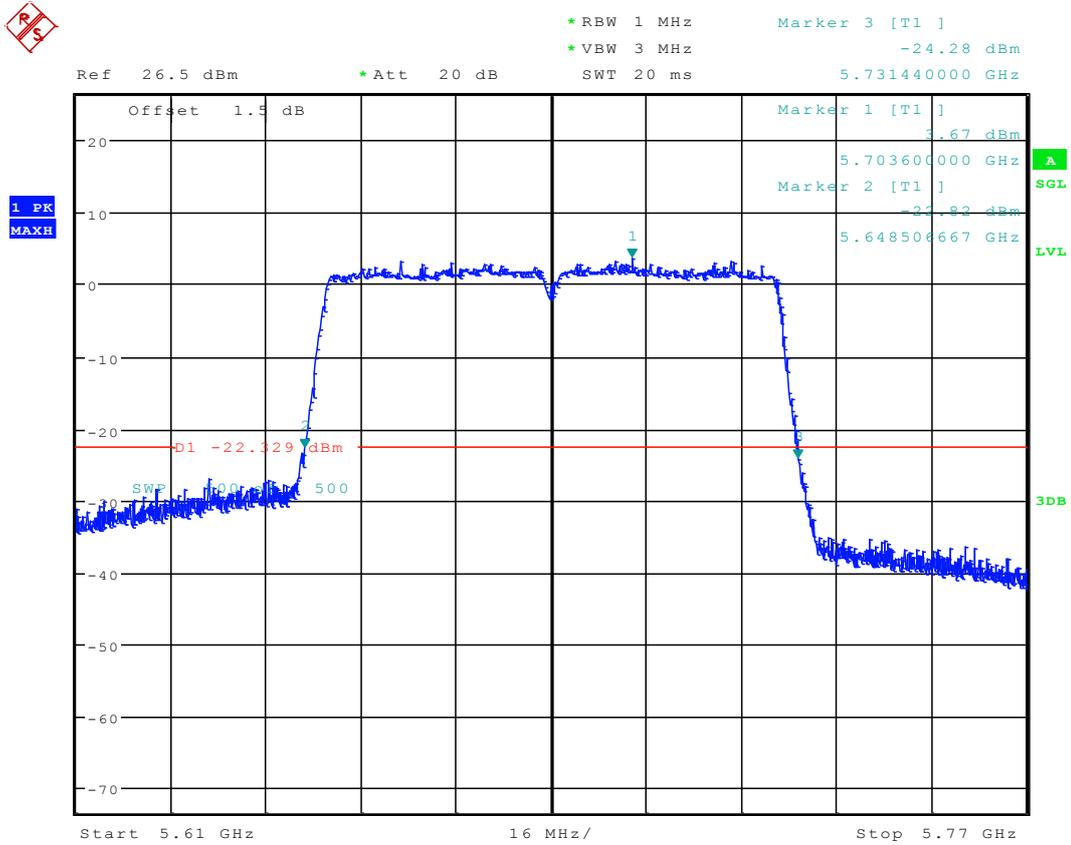


### 3.156 11AC80MIMO\_106 ANT 2



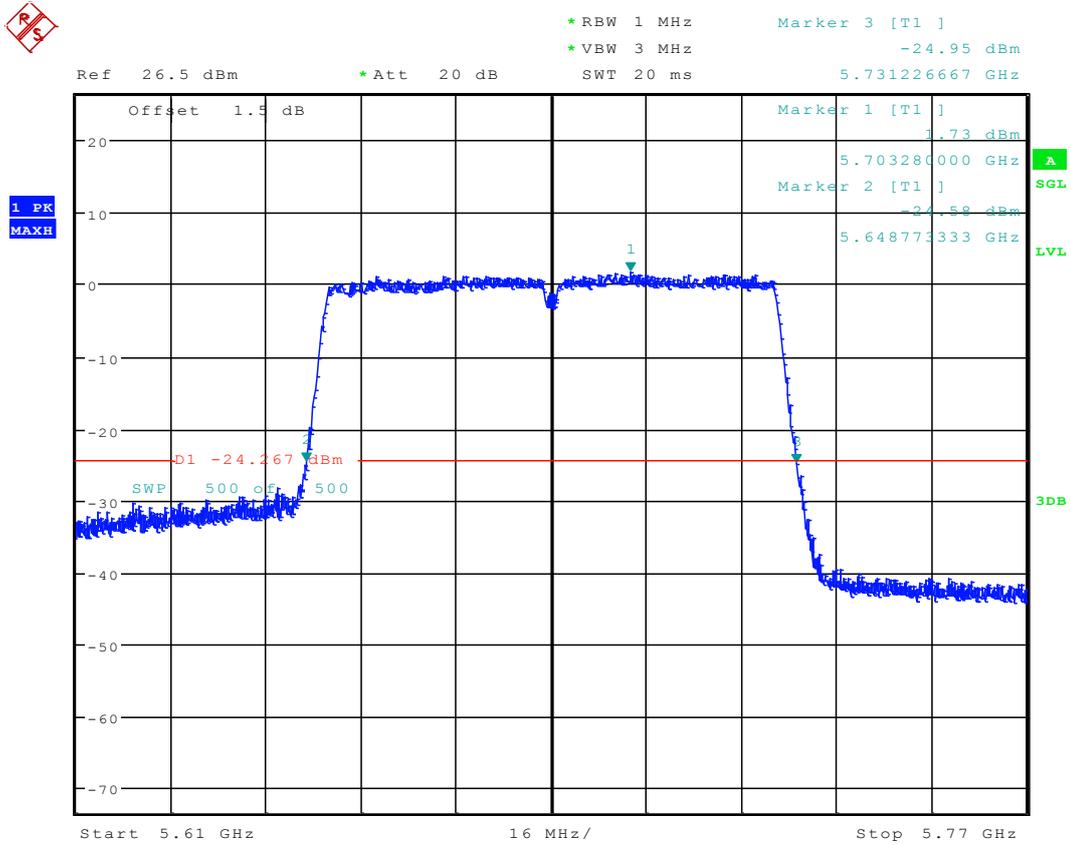
Date: 7.DEC.2017 12:49:01

### 3.157 11AC80MIMO\_138 ANT 1



Date: 7.DEC.2017 09:35:42

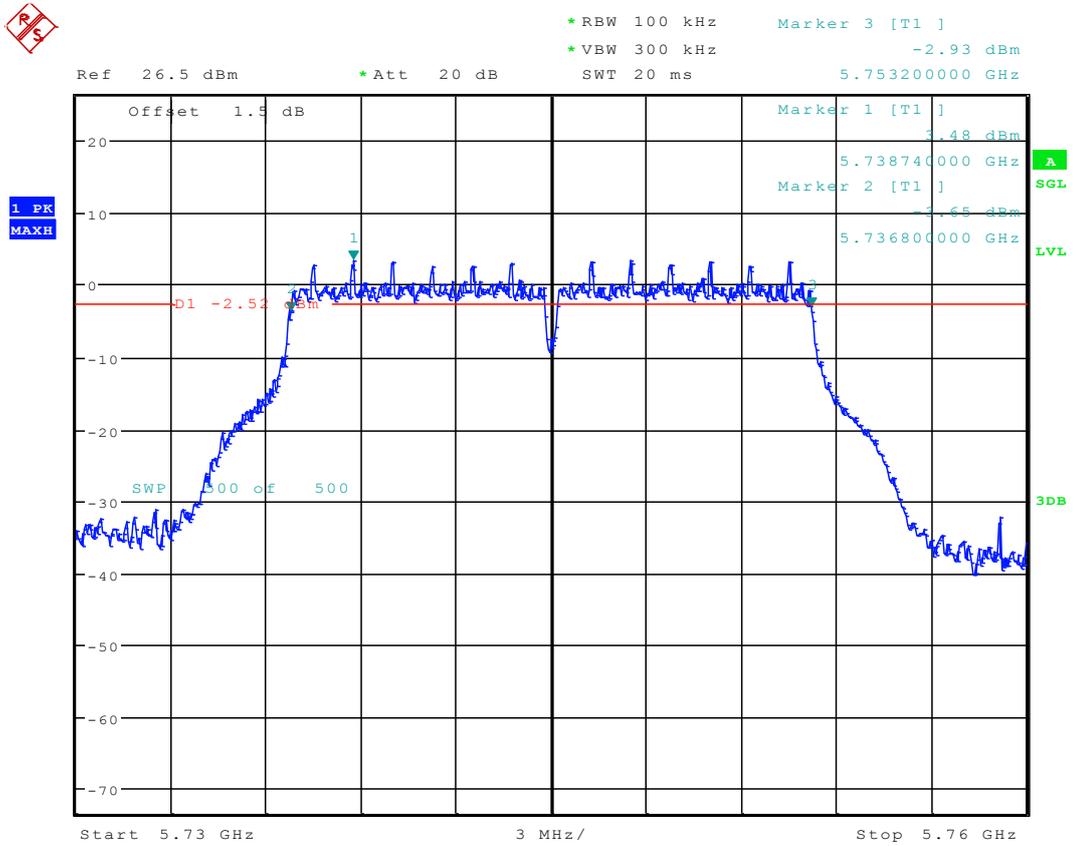
### 3.158 11AC80MIMO\_138 ANT 2



Date: 7.DEC.2017 12:54:05

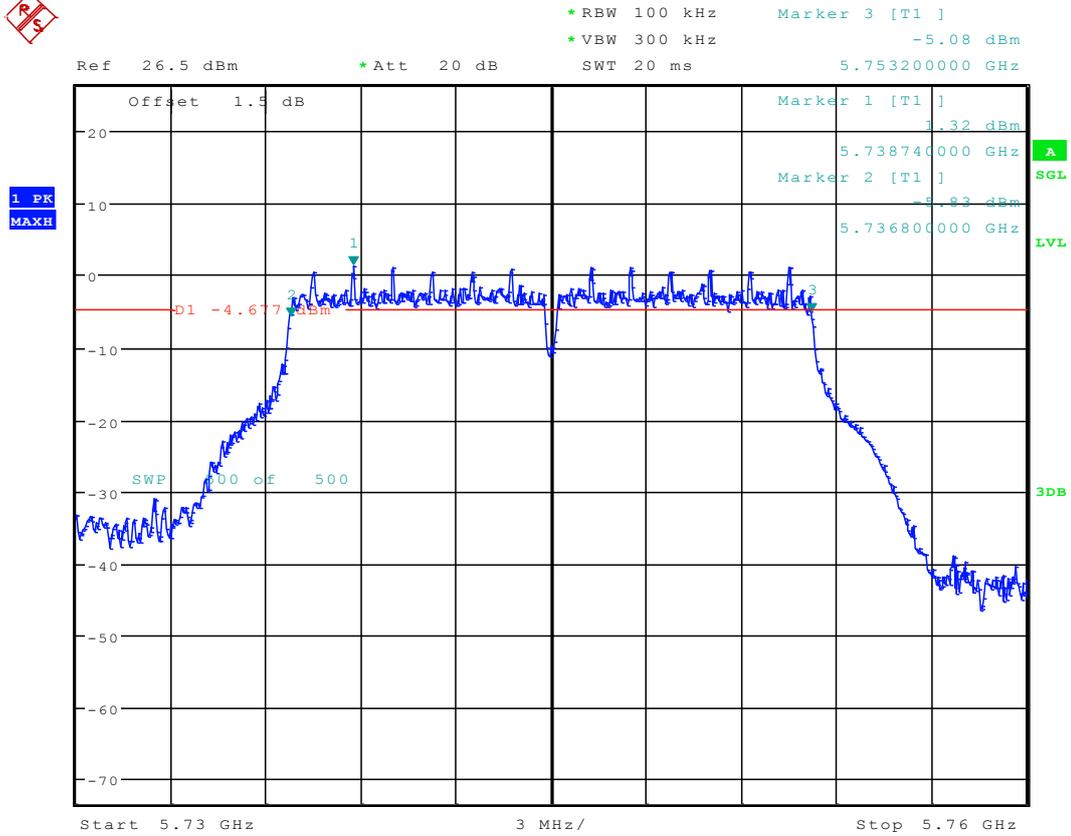
#### 4 Test Plot for 6dB Emission Bandwidth

##### 4.1 11A20\_149 ANT 1



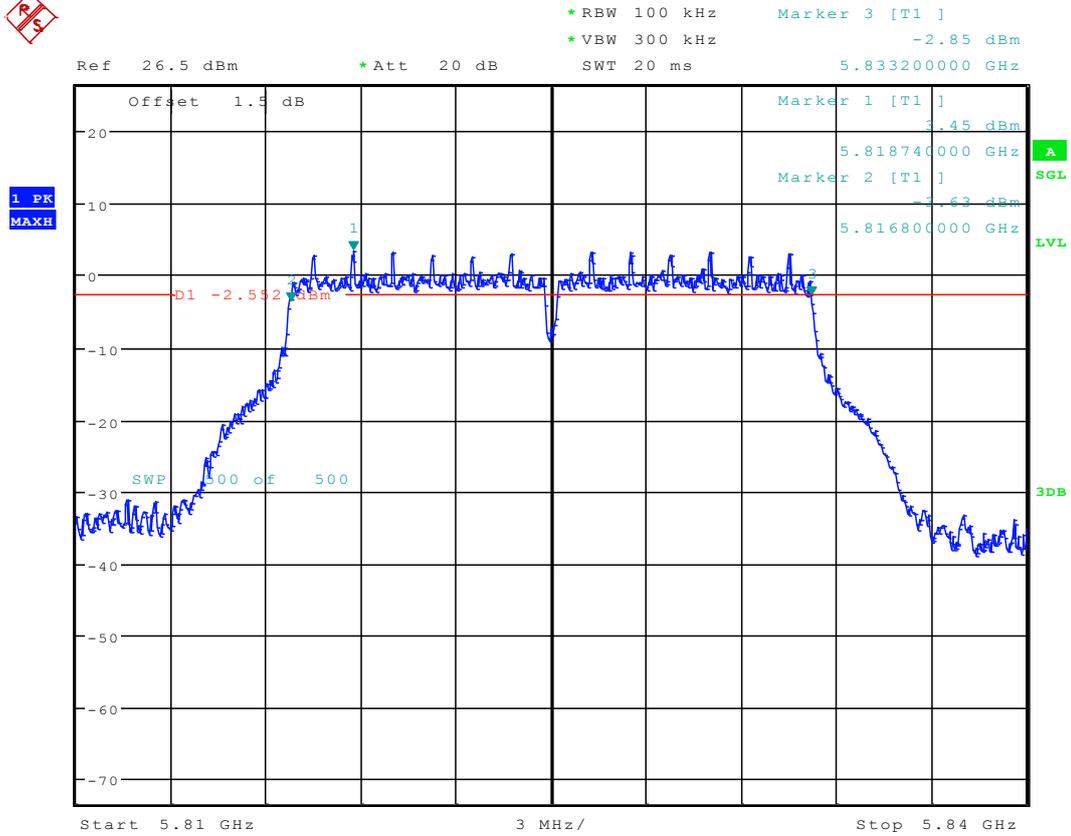
Date: 1.DEC.2017 17:43:54

### 4.2 11A20\_149 ANT 2



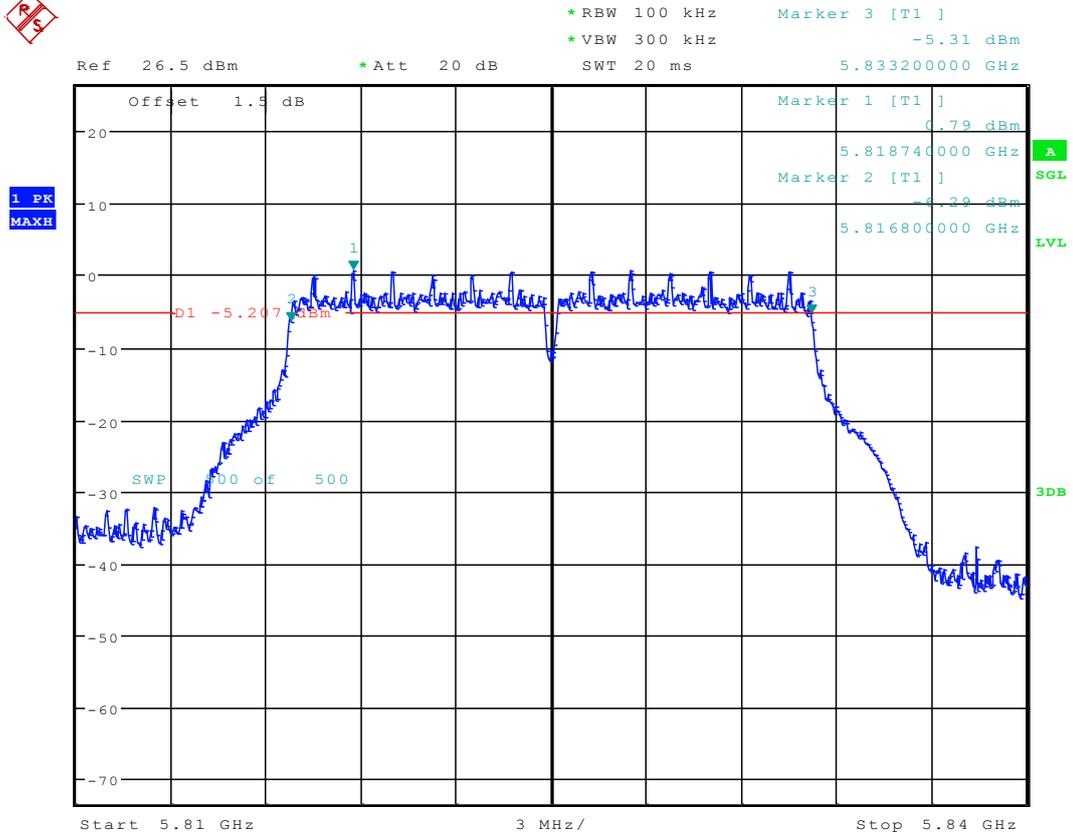
Date: 2.DEC.2017 11:52:59

### 4.3 11A20\_165 ANT 1



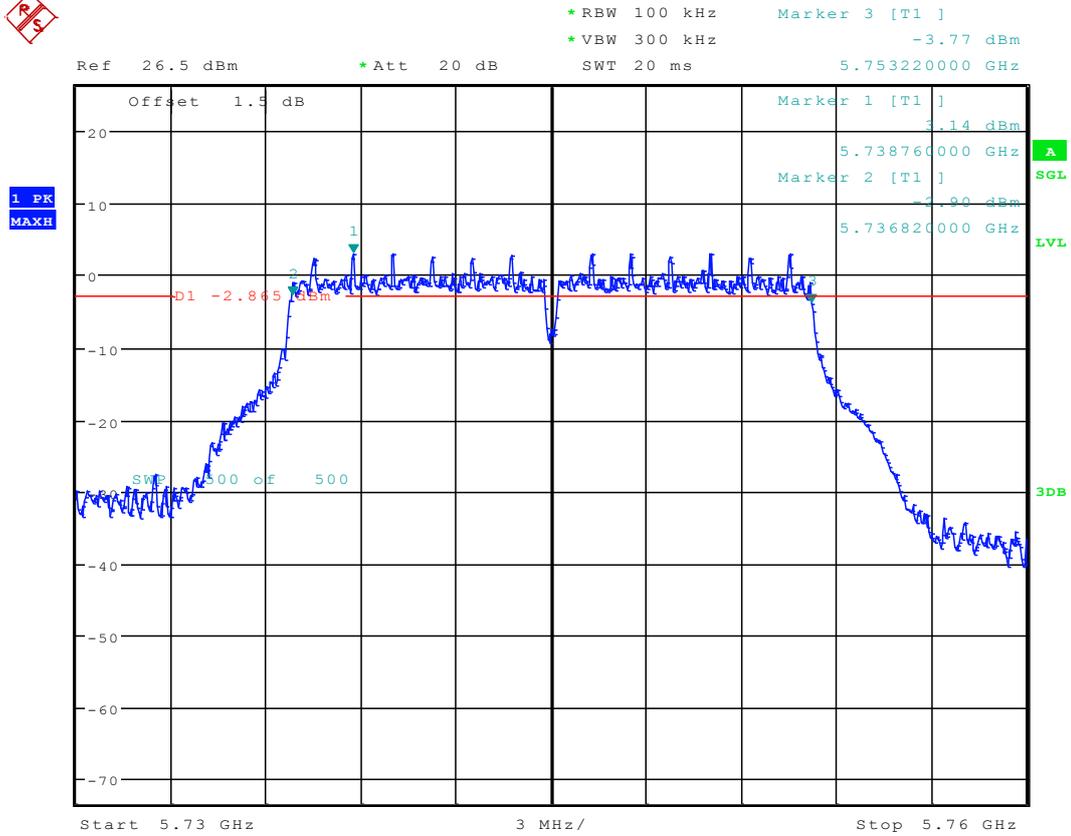
Date: 1.DEC.2017 17:49:20

### 4.4 11A20\_165 ANT 2



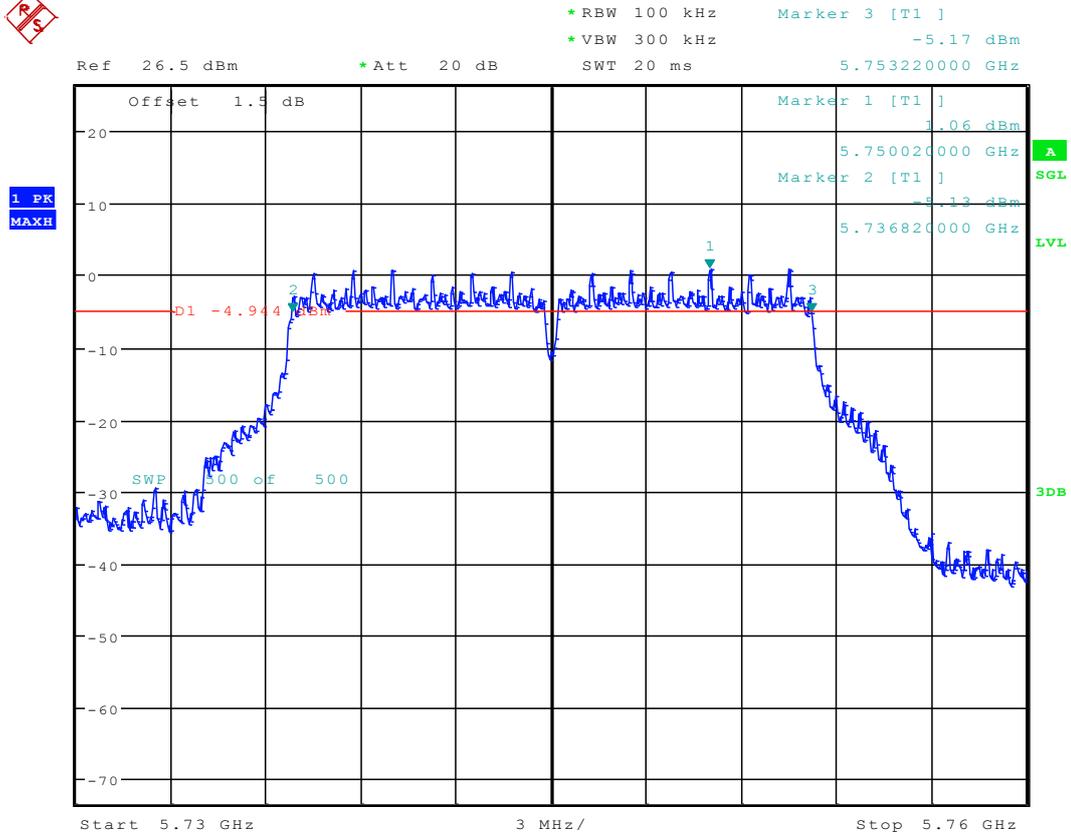
Date: 2.DEC.2017 11:58:26

### 4.5 11A20\_CDD\_149 ANT 1



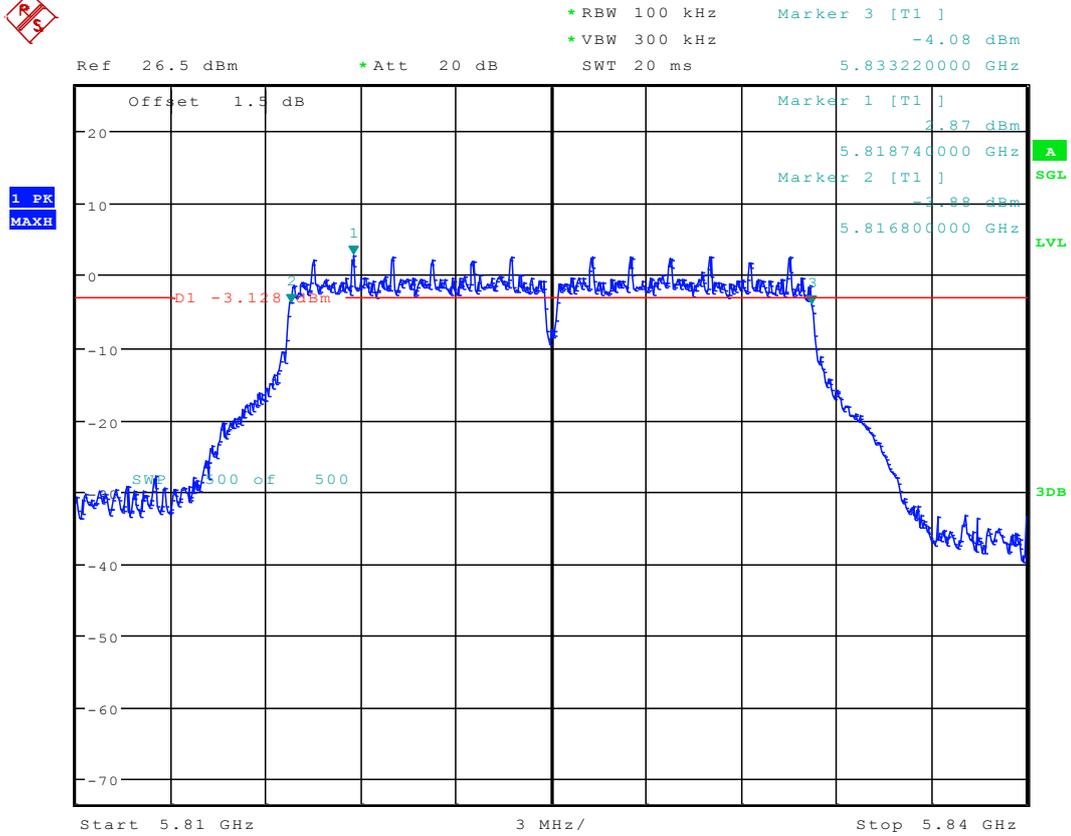
Date: 2.DEC.2017 13:44:46

### 4.6 11A20\_CDD\_149 ANT 2



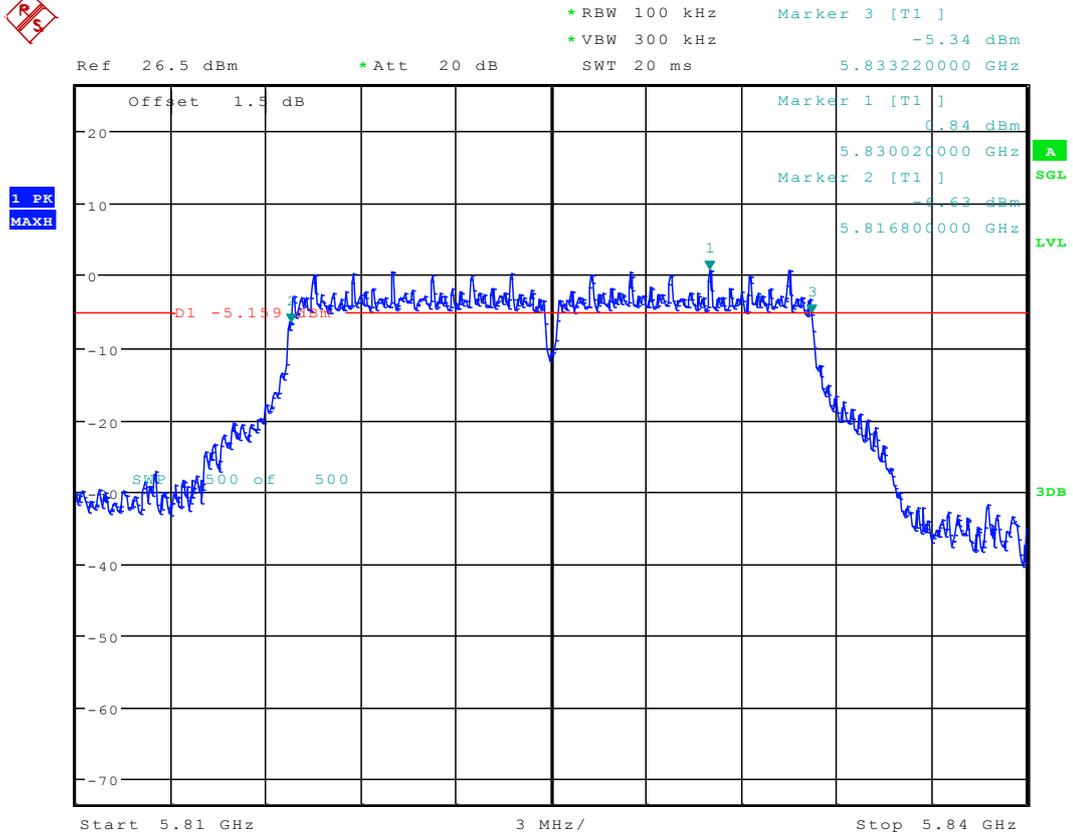
Date: 2.DEC.2017 16:23:05

### 4.7 11A20\_CDD\_165 ANT 1



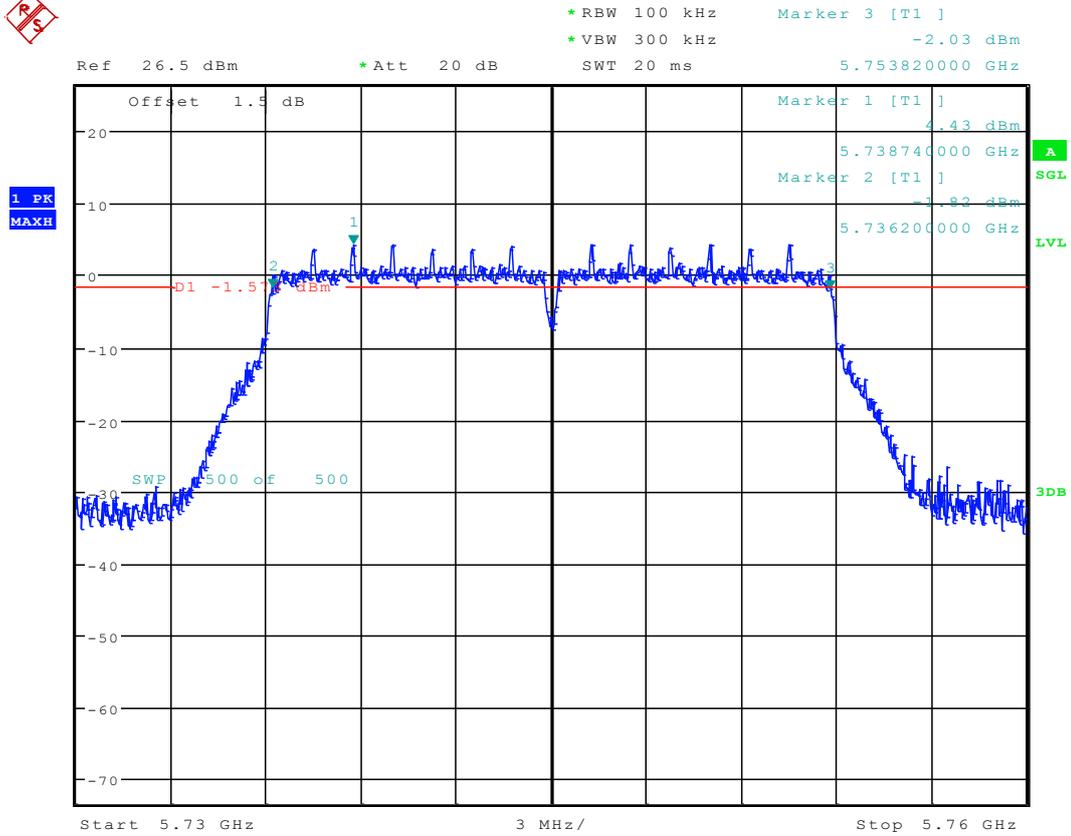
Date: 2.DEC.2017 13:50:48

## 4.8 11A20\_CDD\_165 ANT 2



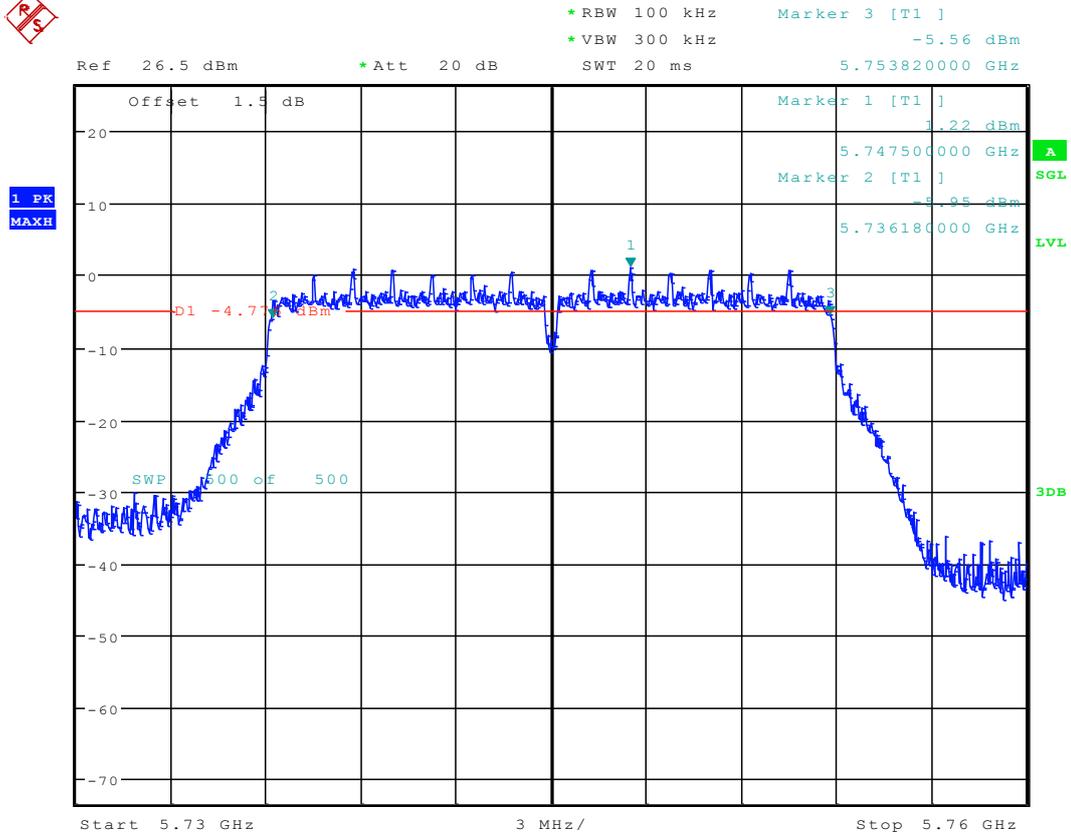
Date: 2.DEC.2017 16:30:07

### 4.9 11N20\_149 ANT 1



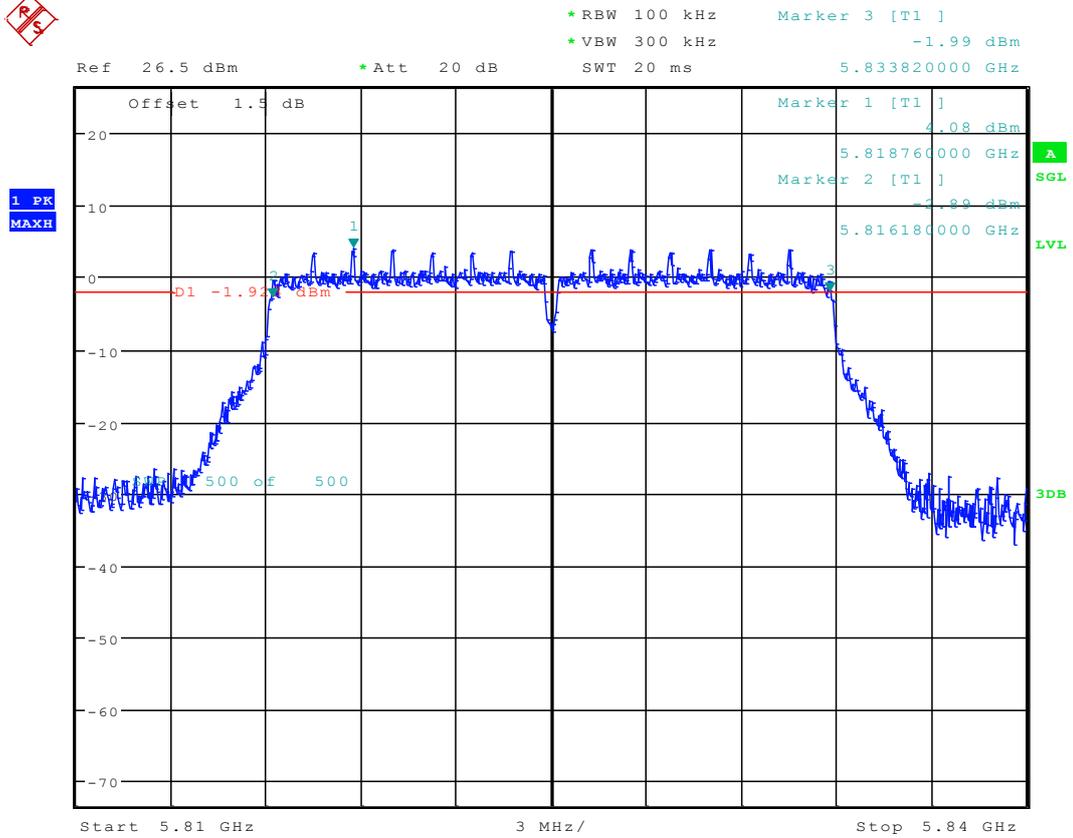
Date: 2.DEC.2017 08:32:33

### 4.10 11N20\_149 ANT 2



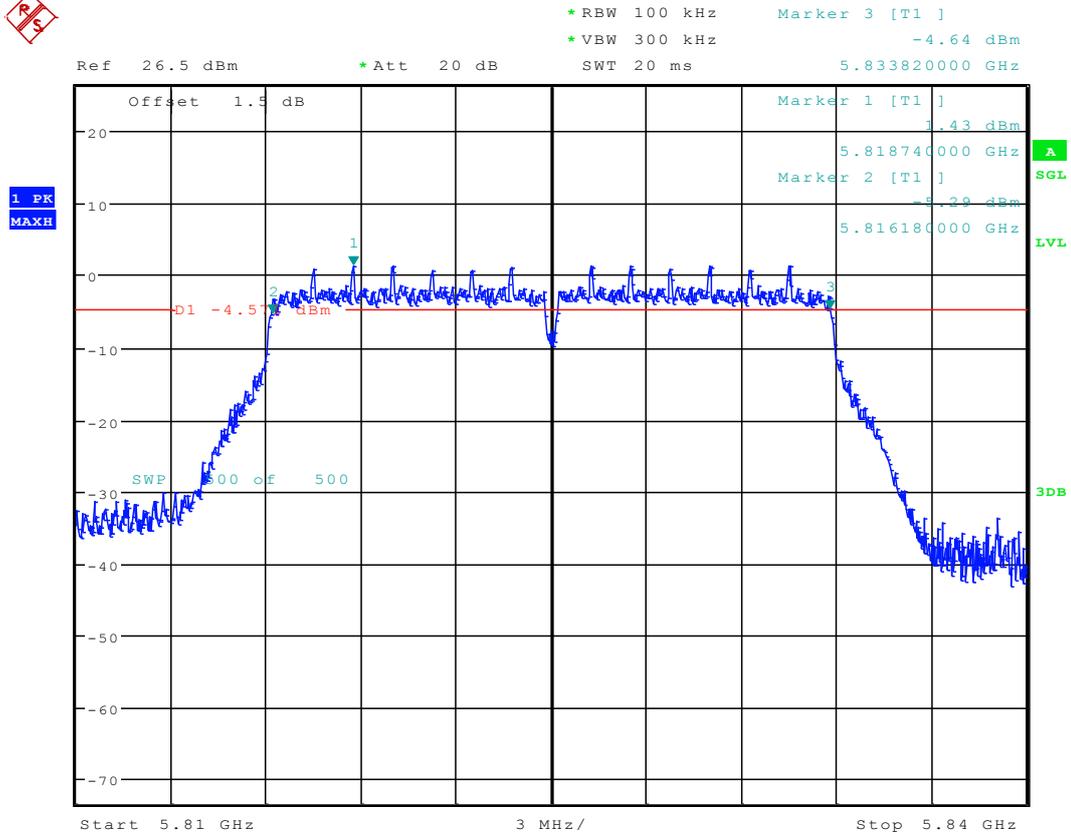
Date: 2.DEC.2017 12:20:35

## 4.11 11N20\_165 ANT 1



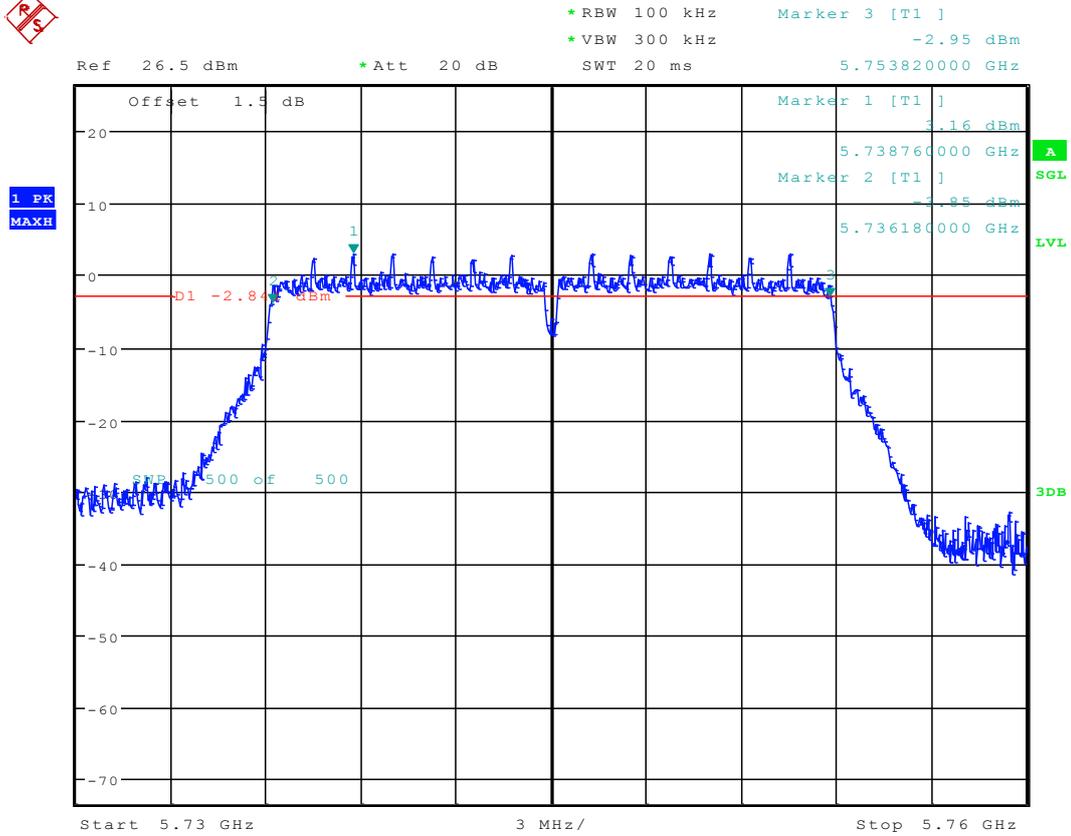
Date: 2.DEC.2017 08:37:55

### 4.12 11N20\_165 ANT 2



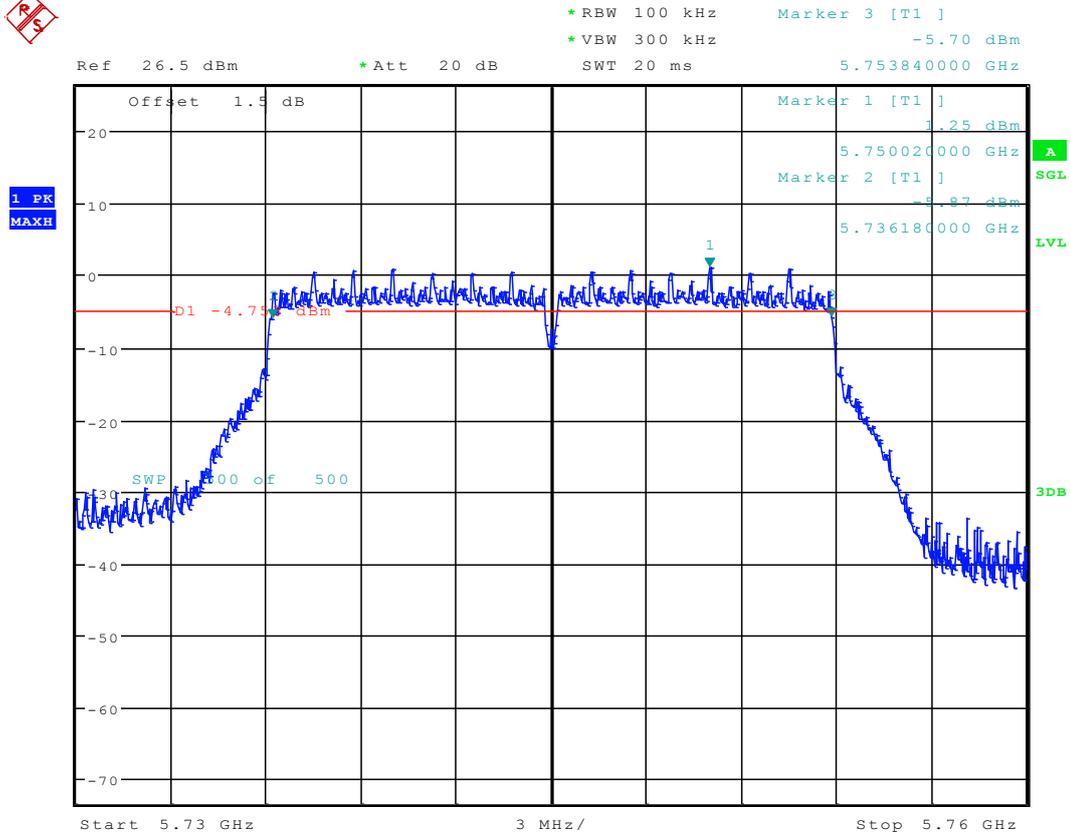
Date: 2.DEC.2017 12:28:01

### 4.13 11N20MIMO\_149 ANT 1



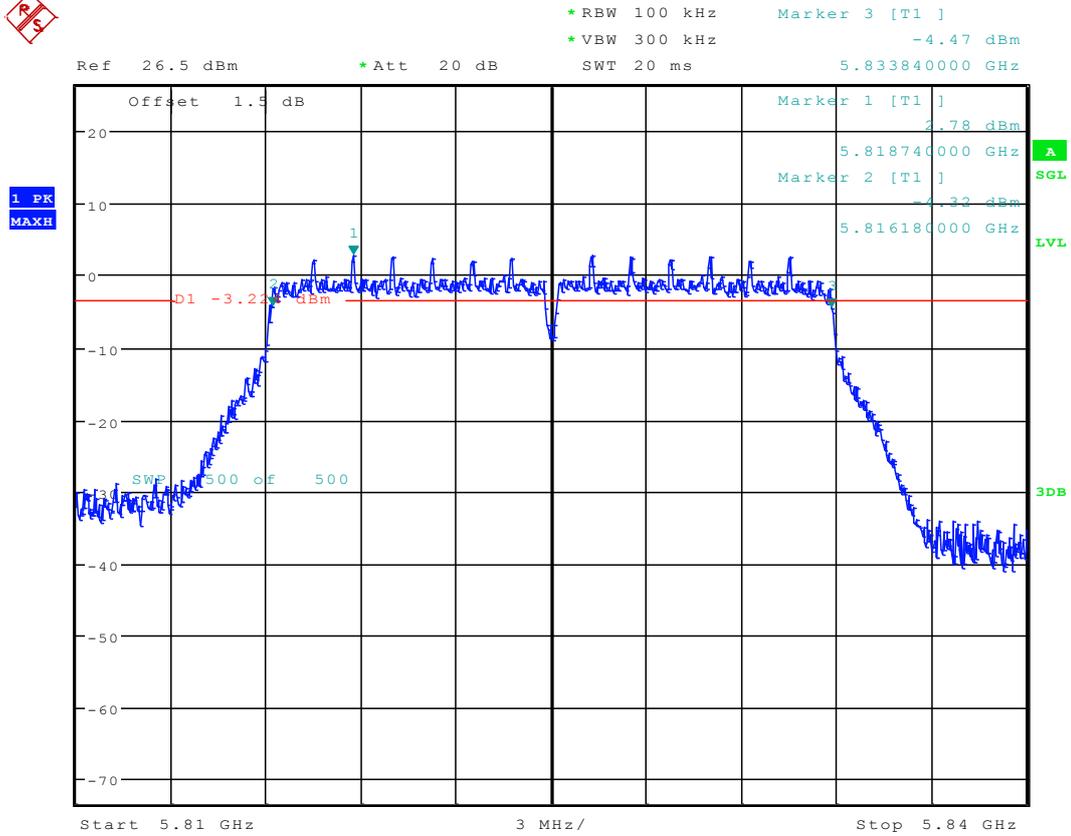
Date: 2.DEC.2017 14:14:01

### 4.14 11N20MIMO\_149 ANT 2



Date: 2.DEC.2017 16:49:43

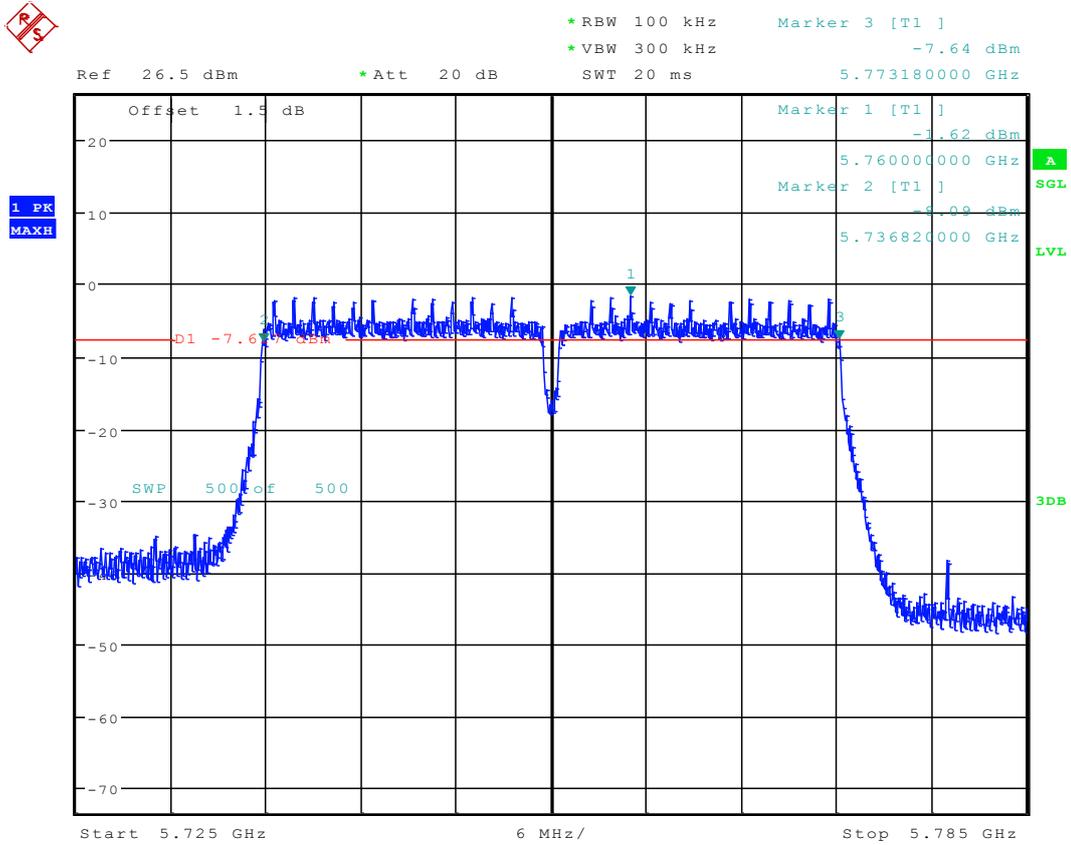
### 4.15 11N20MIMO\_165 ANT 1



Date: 2.DEC.2017 14:19:29

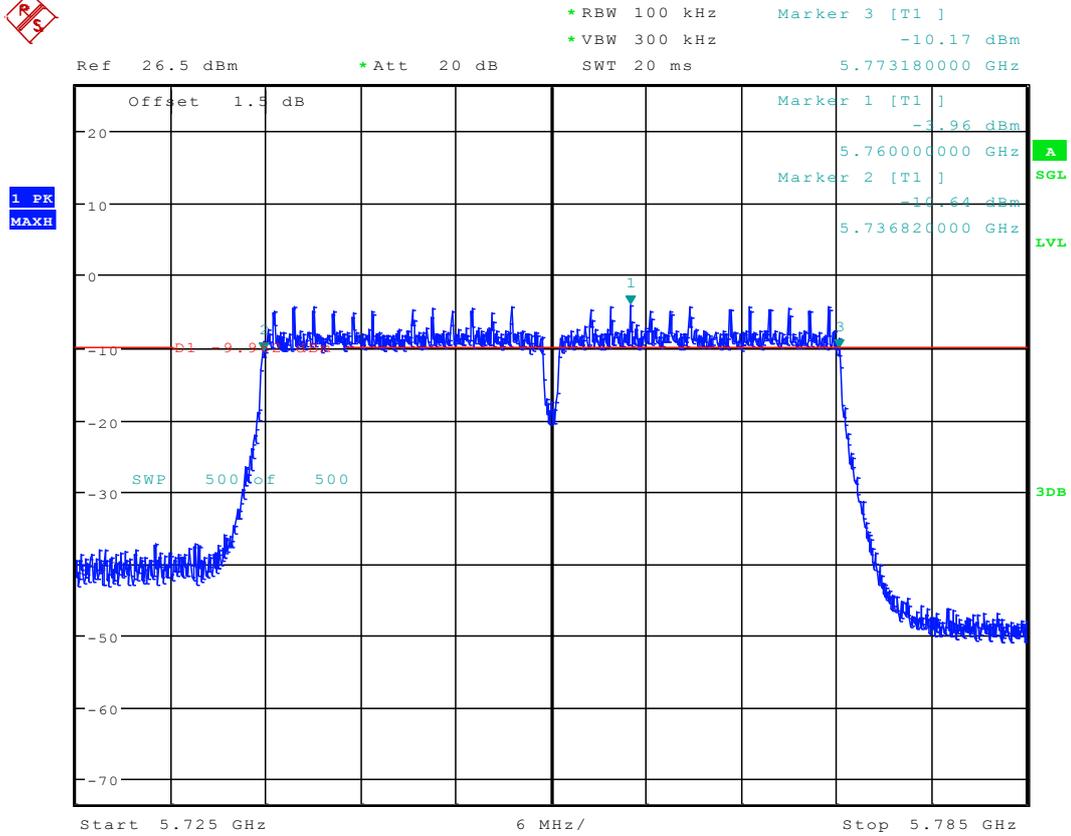


### 4.17 11N40\_151 ANT 1



Date: 2.DEC.2017 09:17:21

### 4.18 11N40\_151 ANT 2

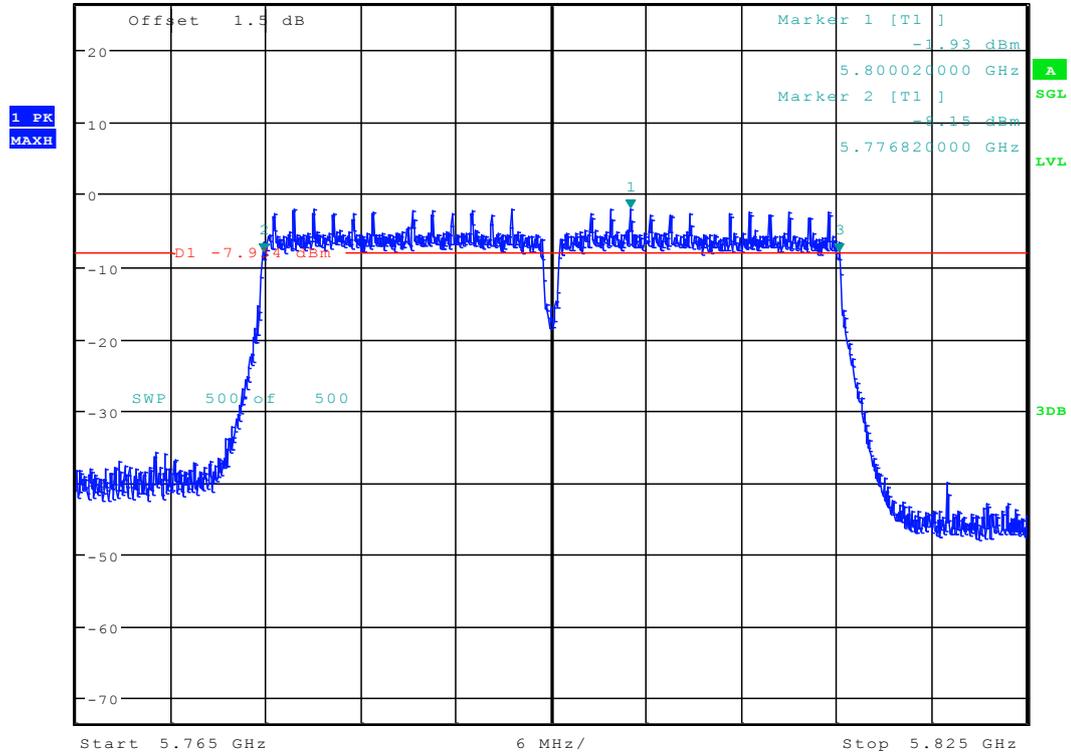


Date: 2.DEC.2017 12:48:42

### 4.19 11N40\_159 ANT 1



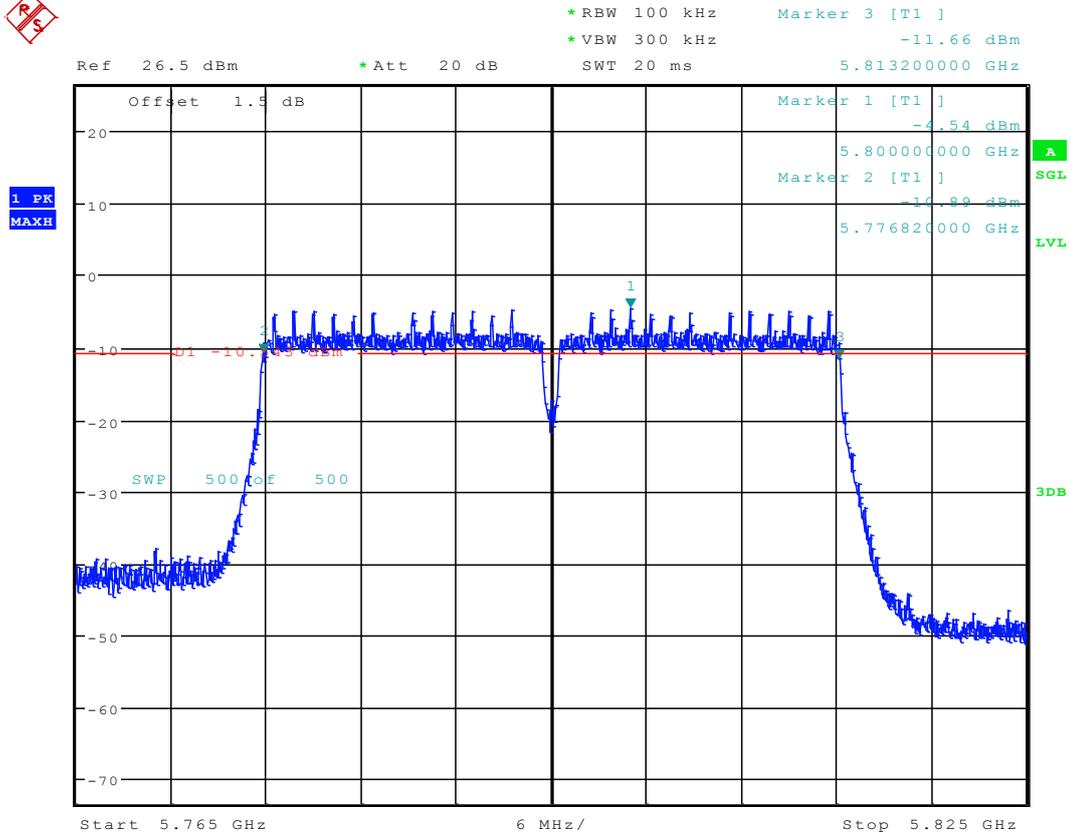
\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -8.01 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.813180000 GHz



Date: 2.DEC.2017 09:14:34

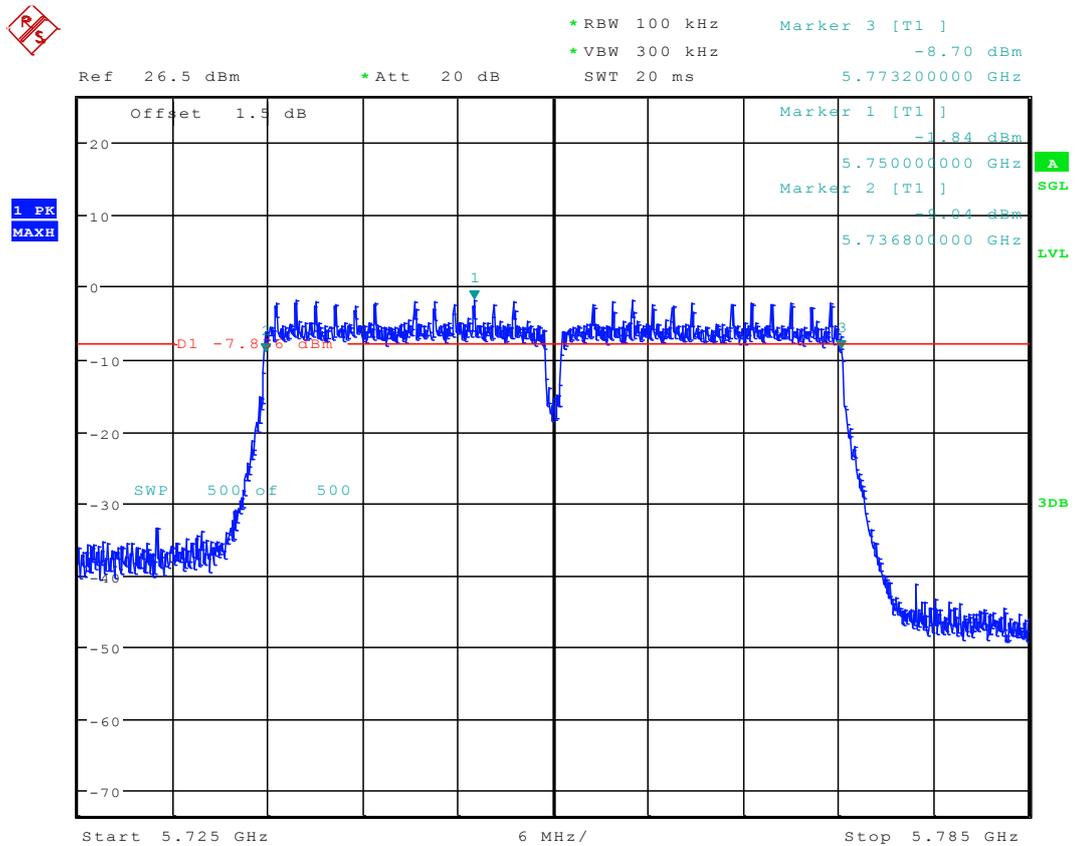


### 4.20 11N40\_159 ANT 2



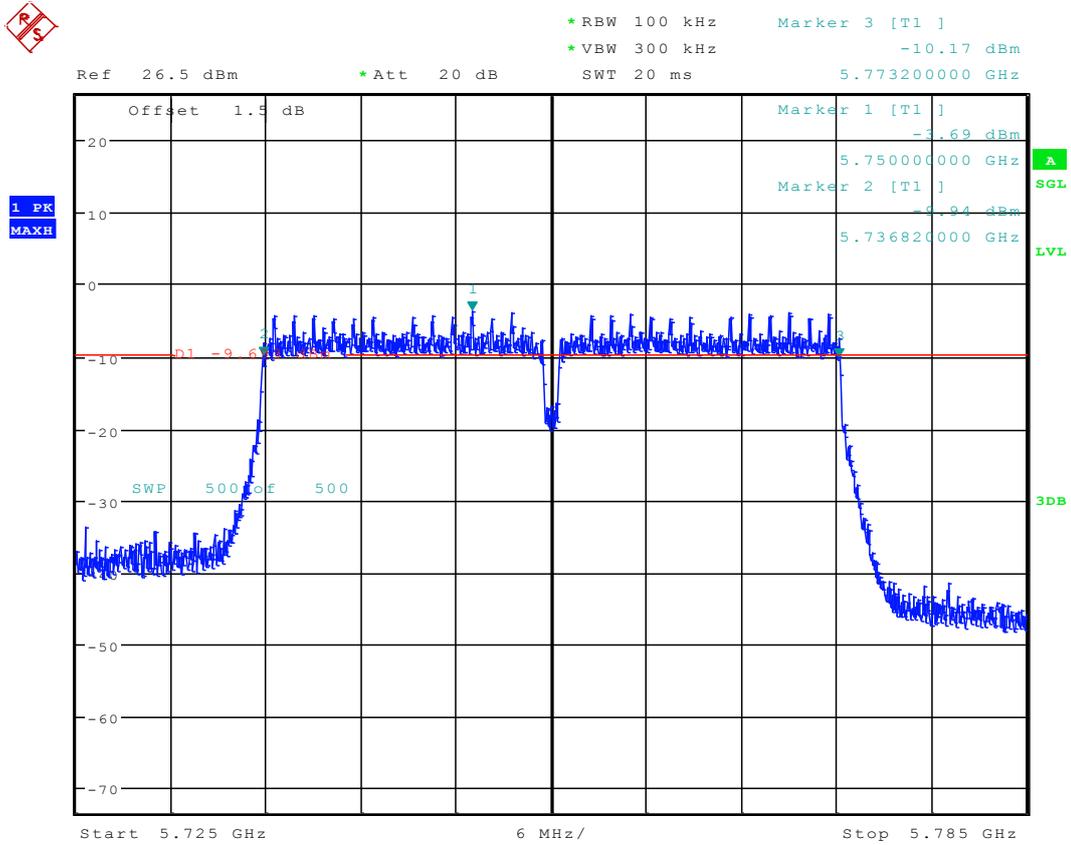
Date: 2.DEC.2017 12:51:47

## 4.21 11N40MIMO\_151 ANT 1



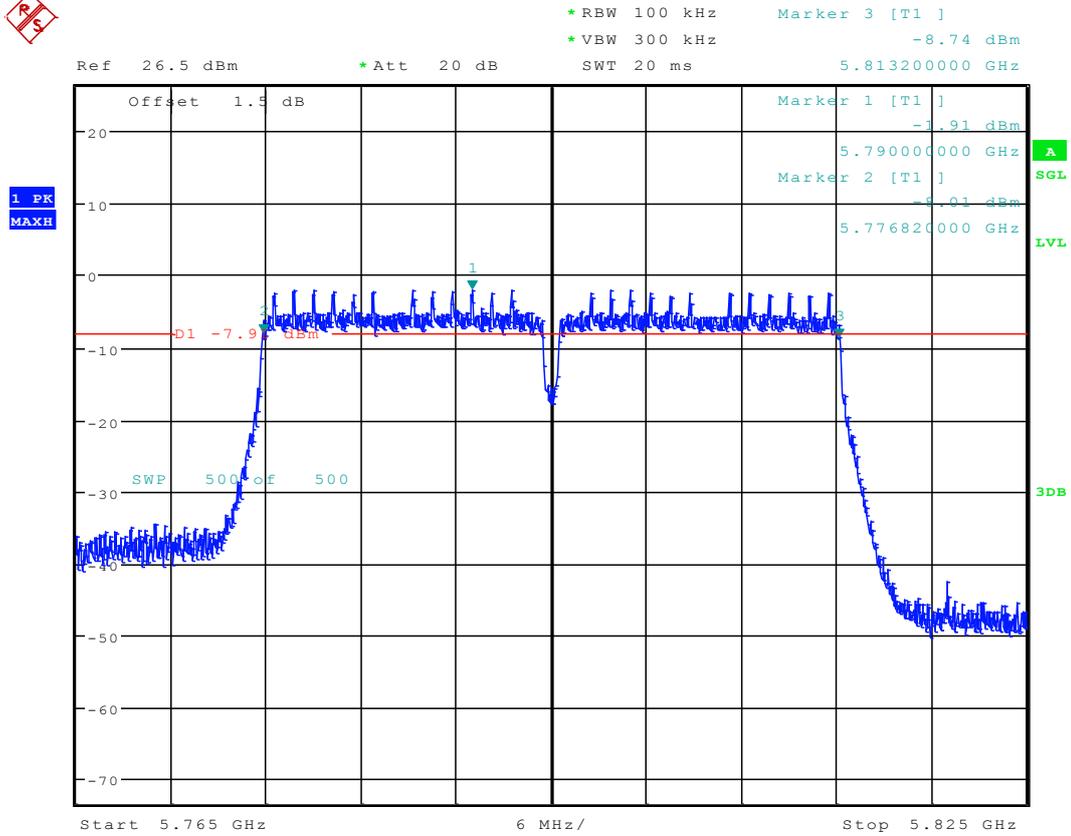
Date: 7.DEC.2017 08:50:37

### 4.22 11N40MIMO\_151 ANT 2



Date: 7.DEC.2017 10:29:55

### 4.23 11N40MIMO\_159 ANT 1

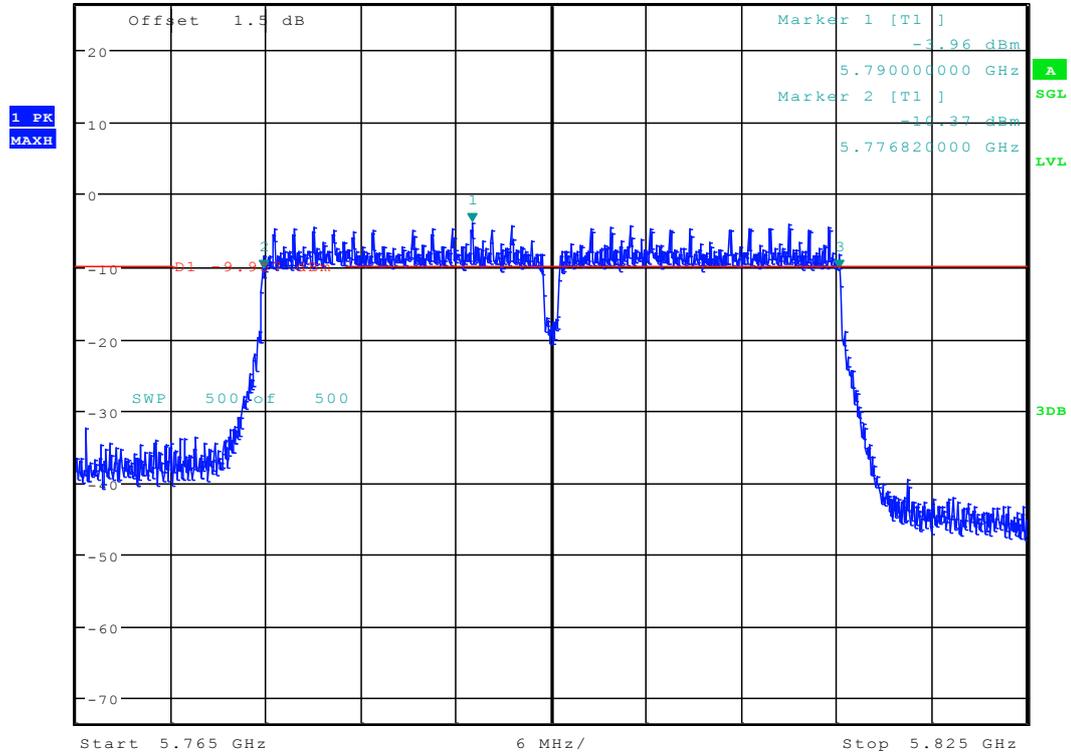


Date: 7.DEC.2017 08:53:35

### 4.24 11N40MIMO\_159 ANT 2



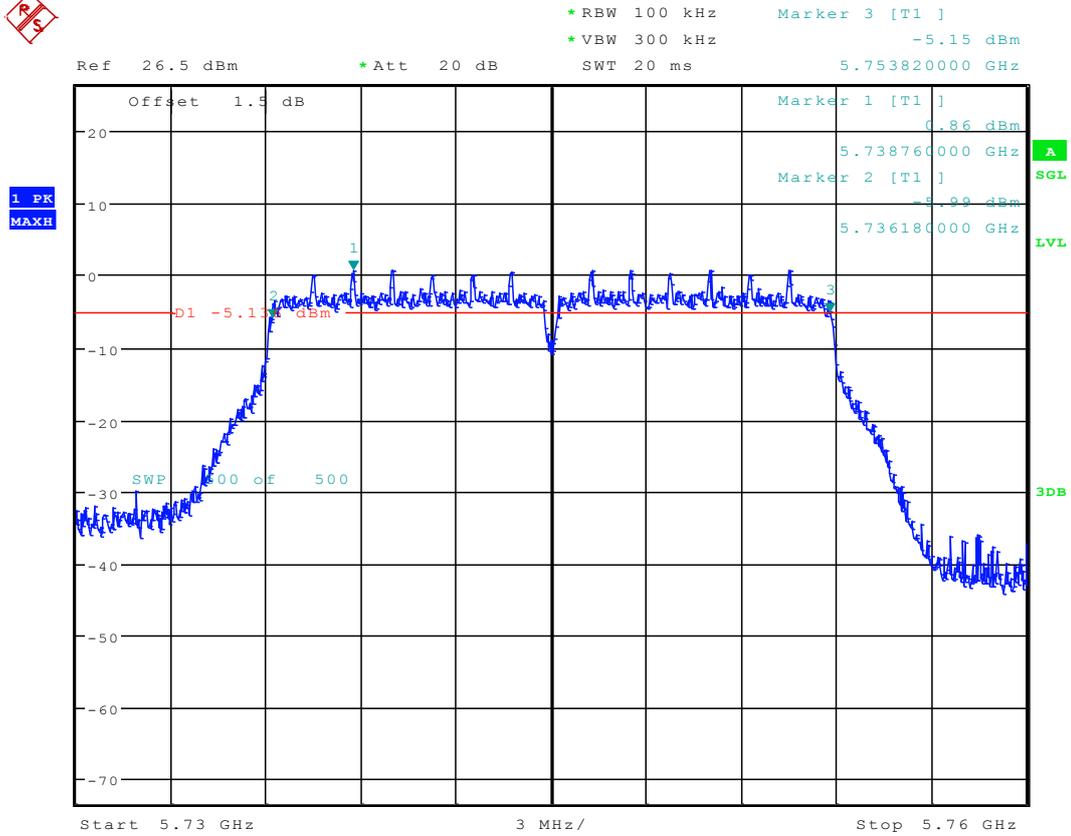
\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -10.34 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.813200000 GHz



Date: 7.DEC.2017 10:34:00



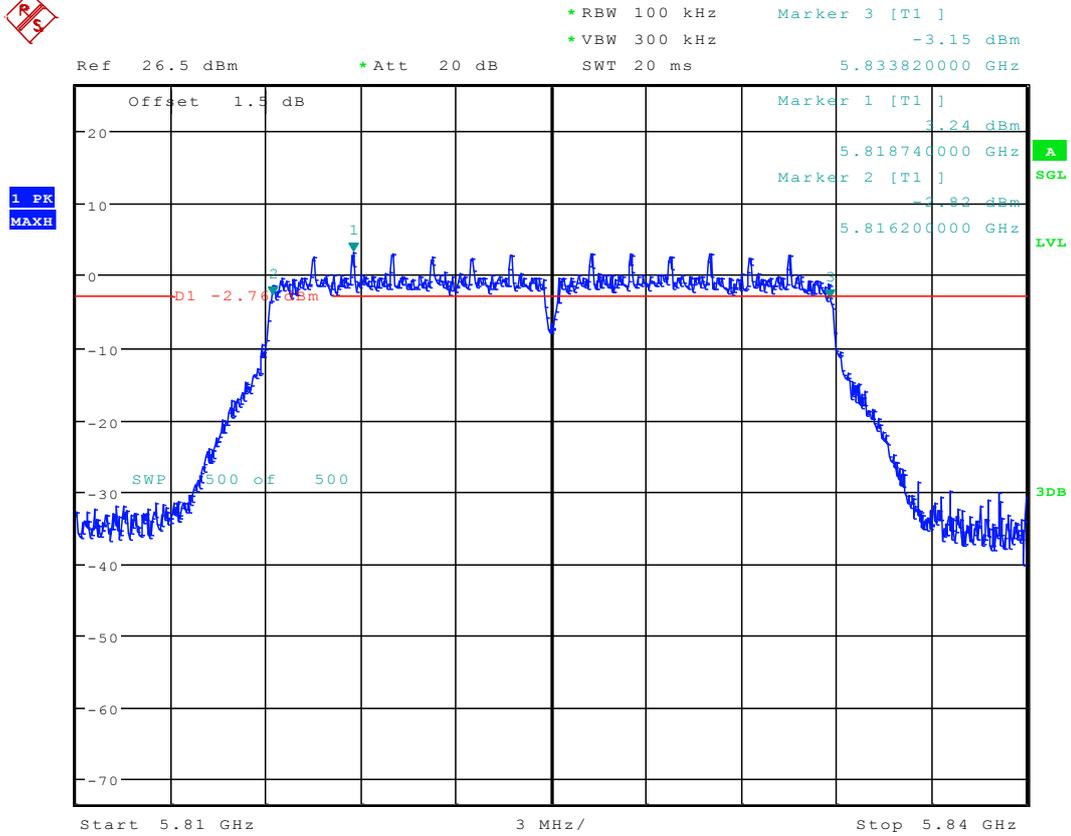
### 4.26 11AC20\_149 ANT 2



Date: 2.DEC.2017 11:27:00

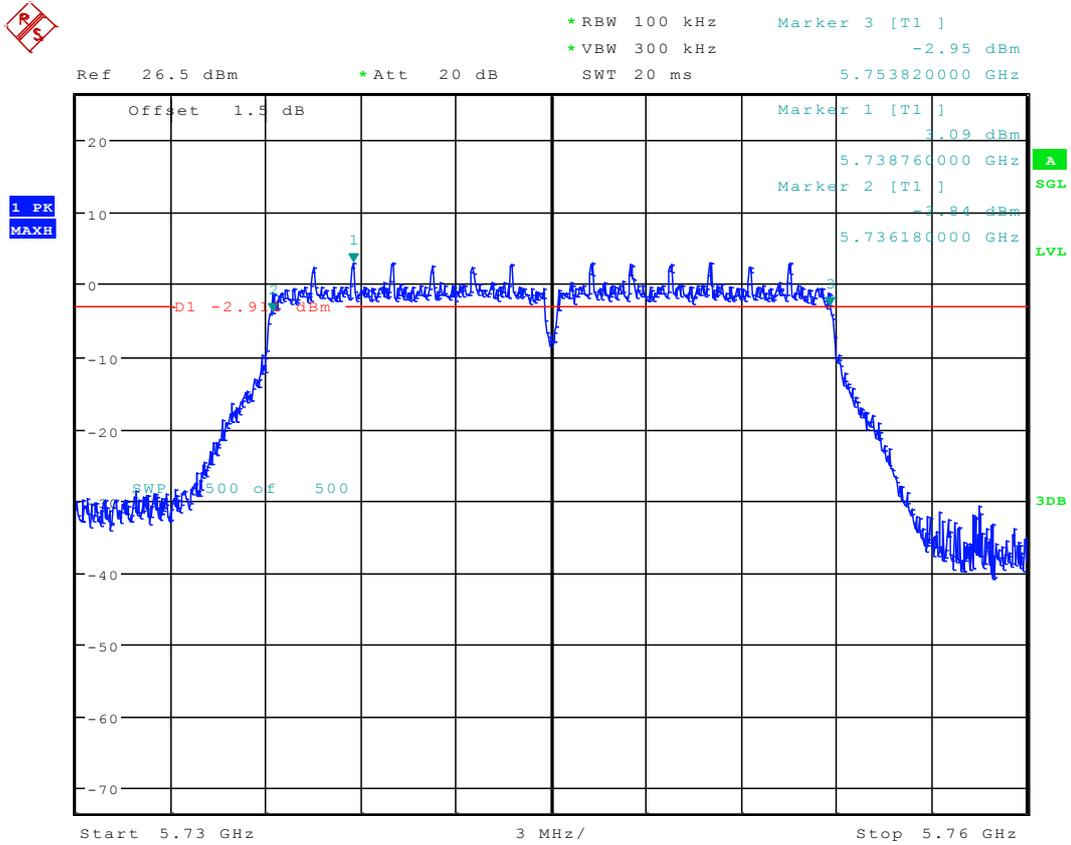


### 4.28 11AC20\_165 ANT 2



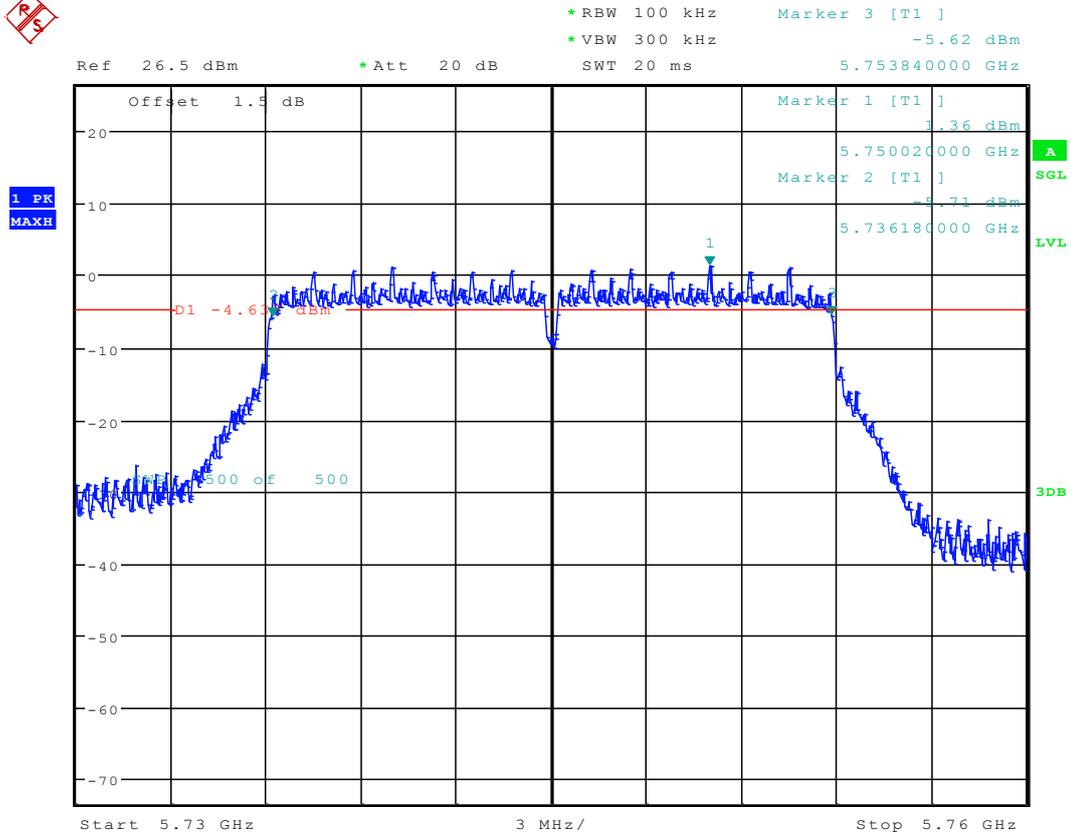
Date: 2.DEC.2017 09:46:37

### 4.29 11AC20MIMO\_149 ANT 1



Date: 2.DEC.2017 15:09:12

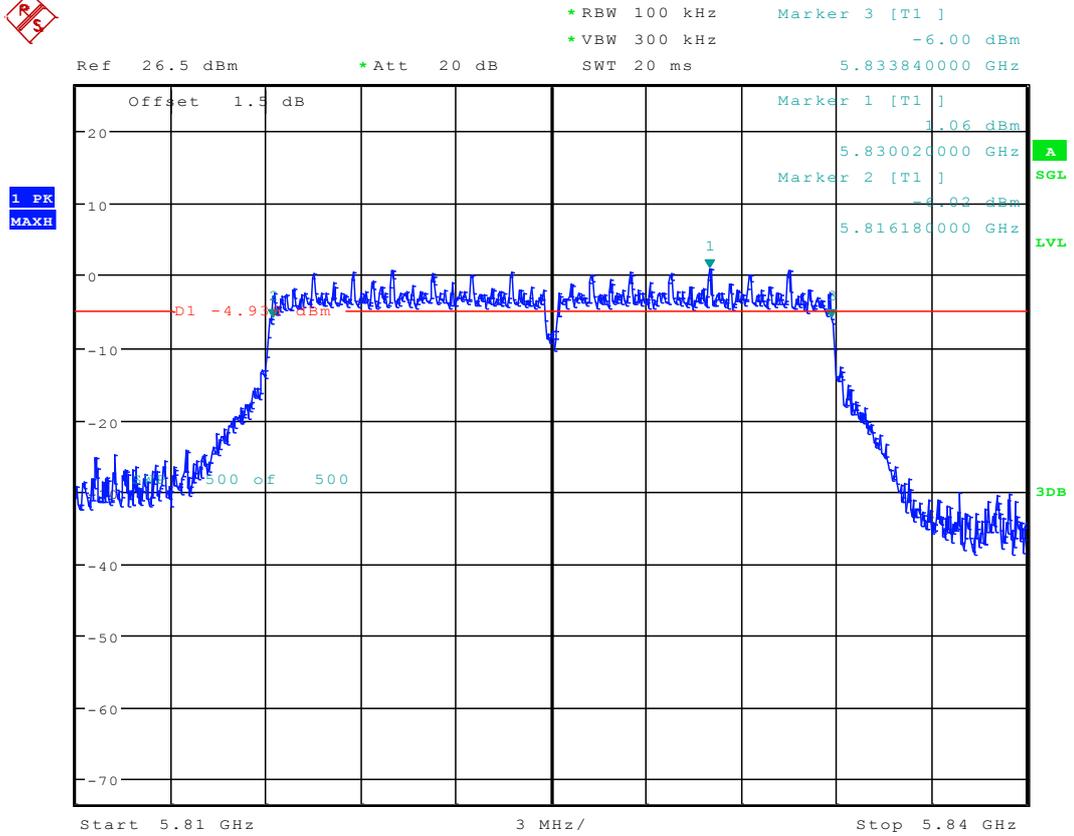
### 4.30 11AC20MIMO\_149 ANT 2



Date: 2.DEC.2017 17:48:19



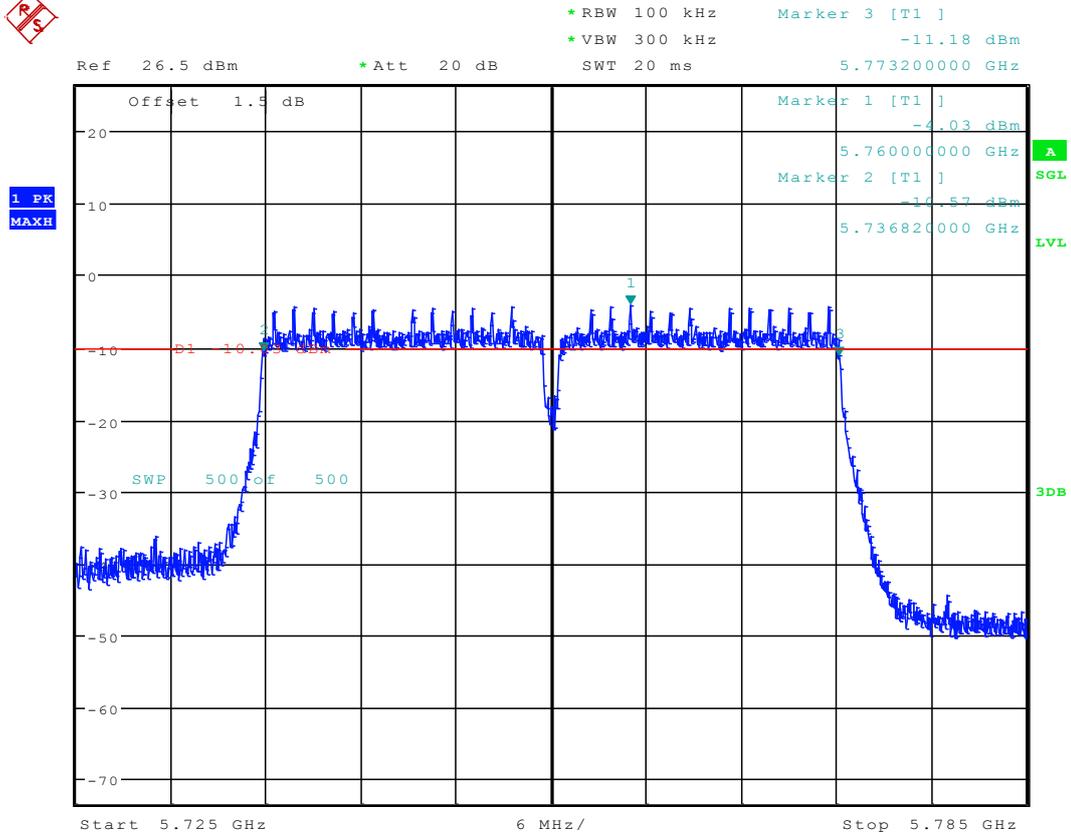
### 4.32 11AC20MIMO\_165 ANT 2



Date: 2.DEC.2017 17:55:23

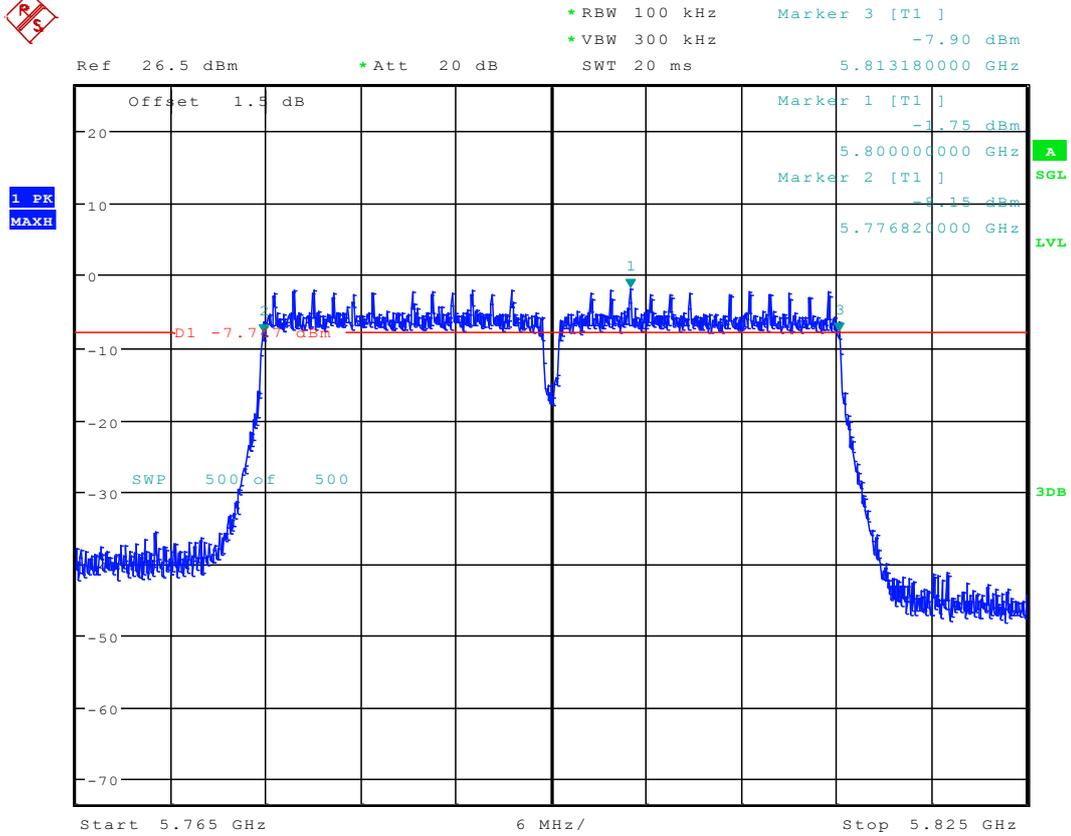


### 4.34 11AC40\_151 ANT 2



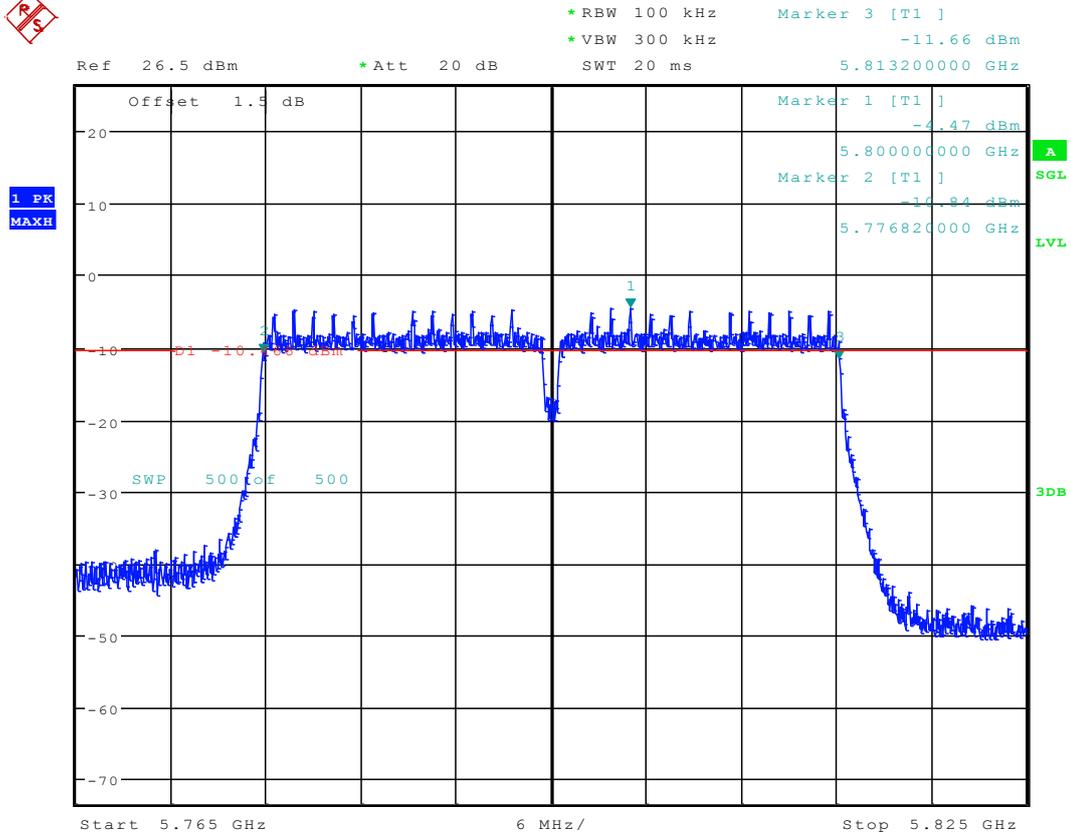
Date: 2.DEC.2017 10:58:00

### 4.35 11AC40\_159 ANT 1



Date: 2.DEC.2017 10:07:52

### 4.36 11AC40\_159 ANT 2



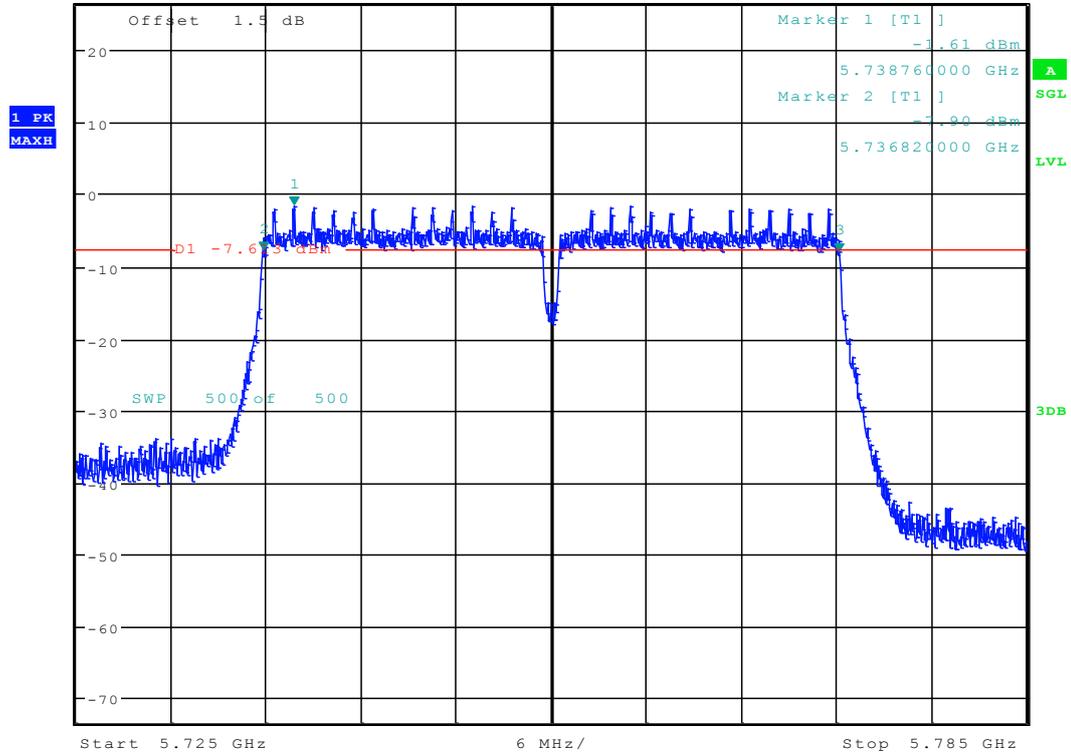
Date: 2.DEC.2017 11:00:58



### 4.37 11AC40MIMO\_151 ANT 1

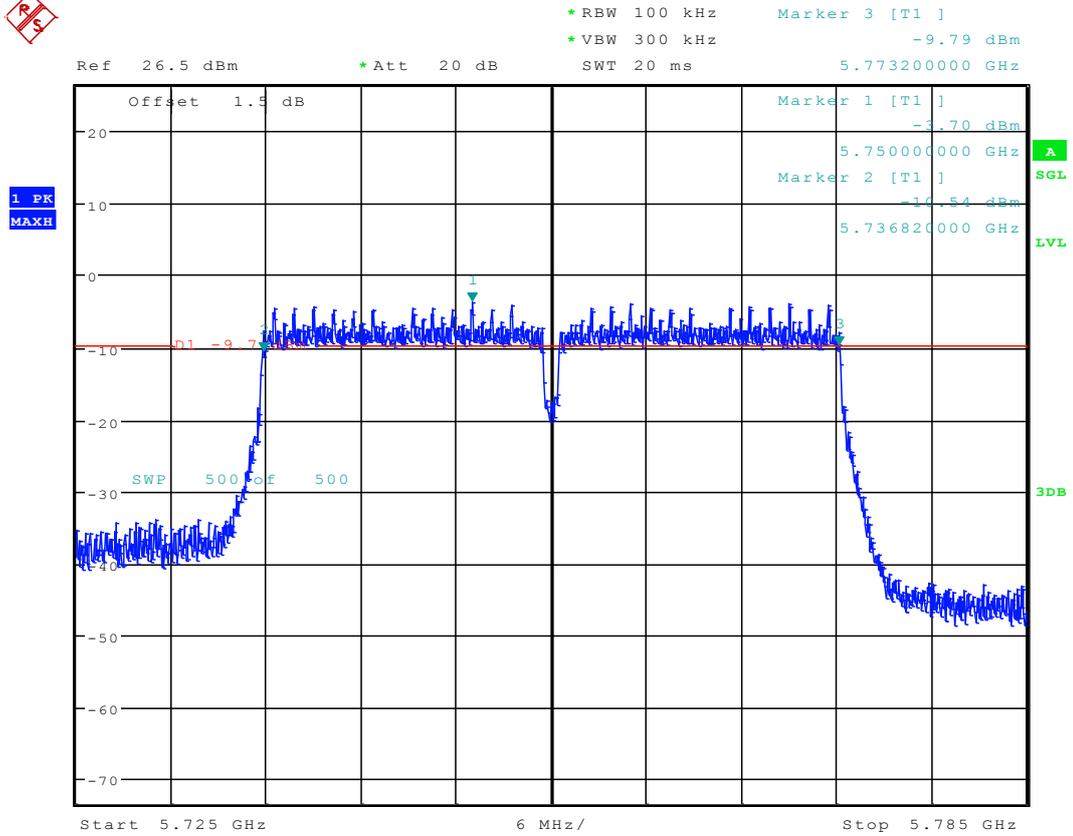


\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -8.10 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.773200000 GHz



Date: 7.DEC.2017 09:16:52

### 4.38 11AC40MIMO\_151 ANT 2

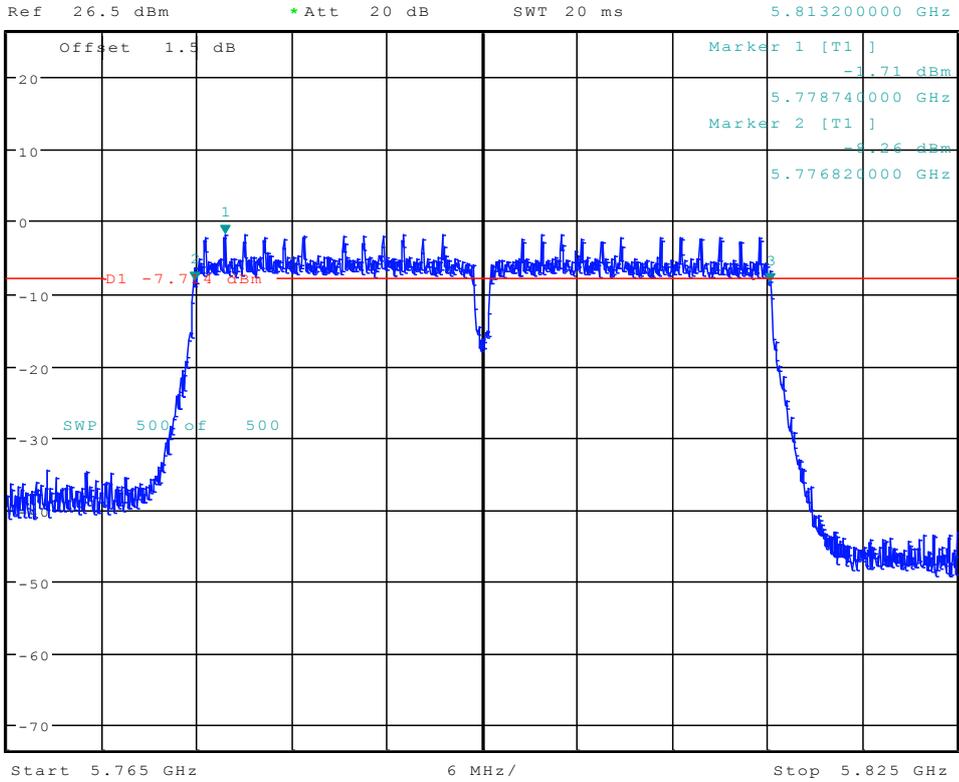


Date: 7.DEC.2017 11:05:40

### 4.39 11AC40MIMO\_159 ANT 1



\*RBW 100 kHz      Marker 3 [T1 ]  
\*VBW 300 kHz      -8.55 dBm  
SWT 20 ms      5.813200000 GHz



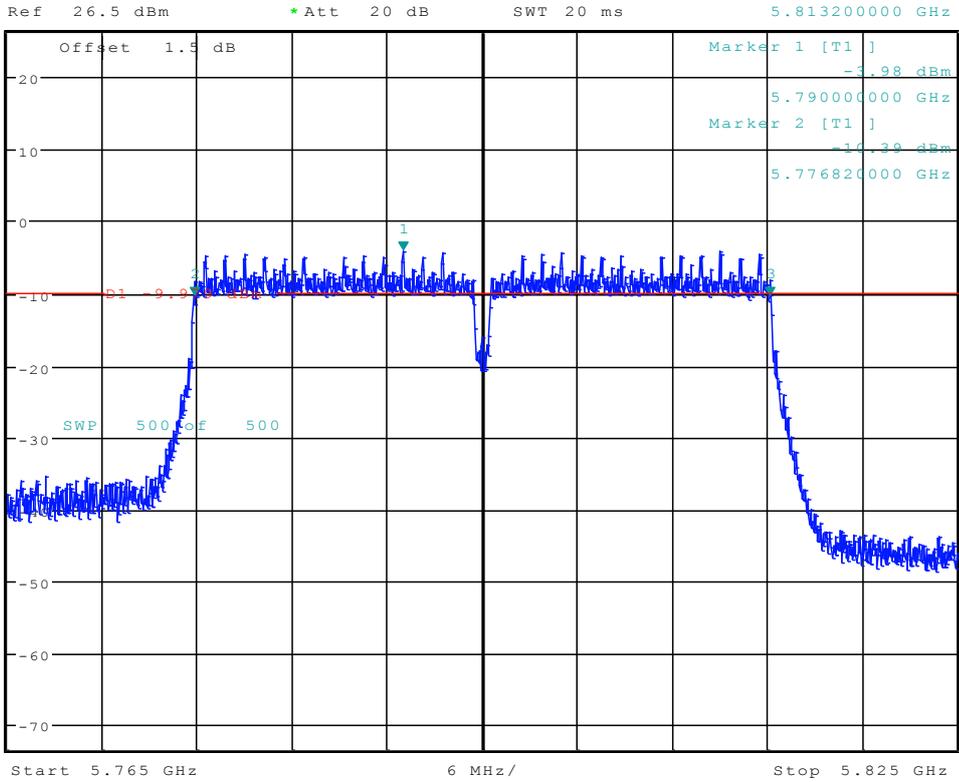
Date: 7.DEC.2017 09:19:59



### 4.40 11AC40MIMO\_159 ANT 2



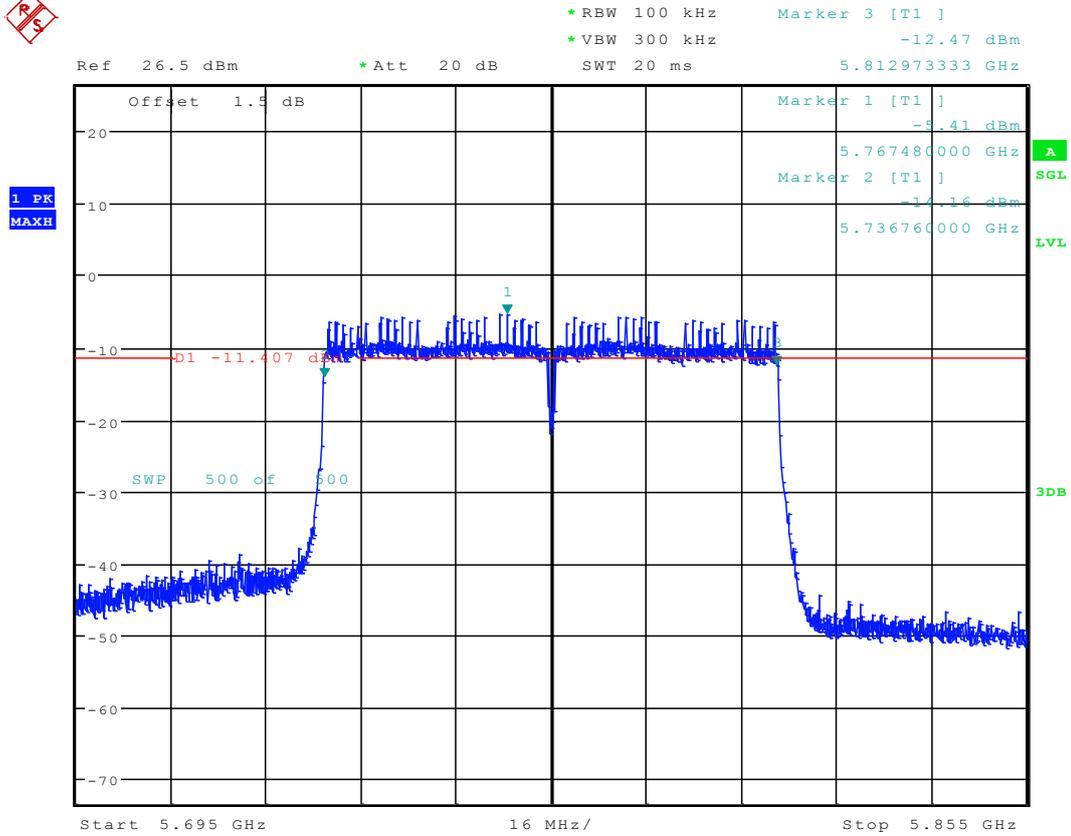
\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -10.46 dBm  
 SWT 20 ms      5.813200000 GHz



Date: 7.DEC.2017 11:08:44



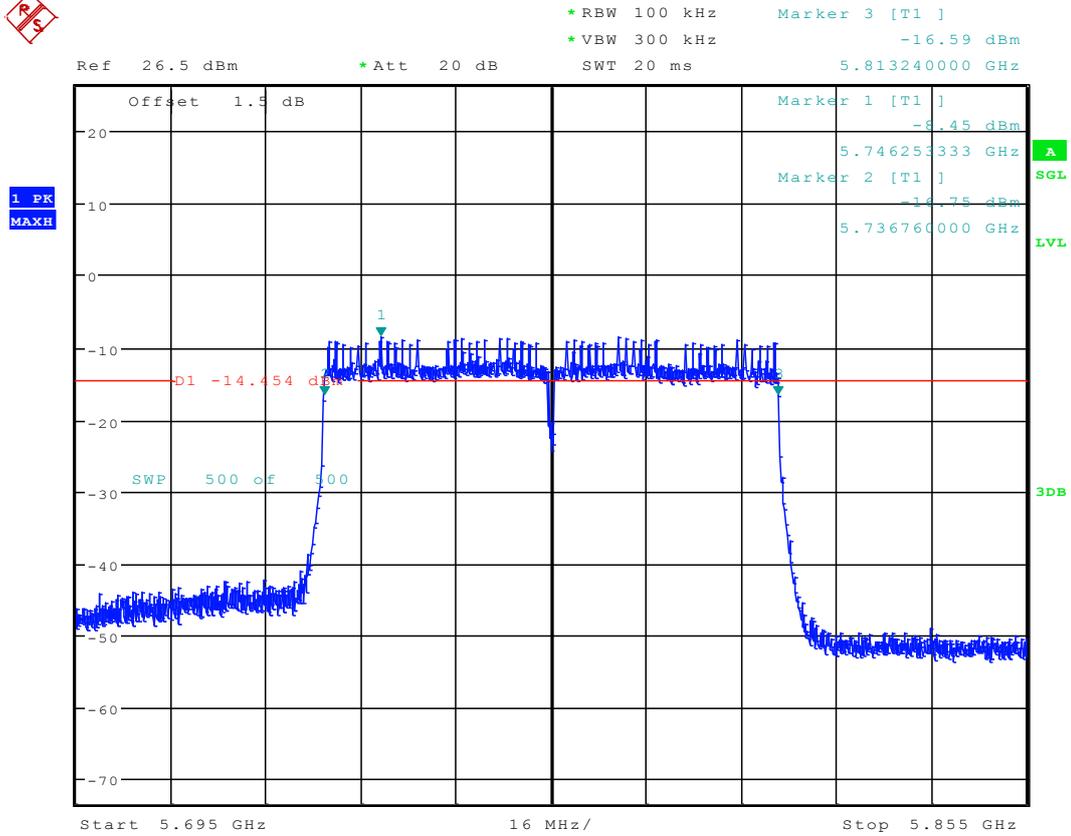
### 4.41 11AC80\_155 ANT 1



Date: 7.DEC.2017 08:25:25

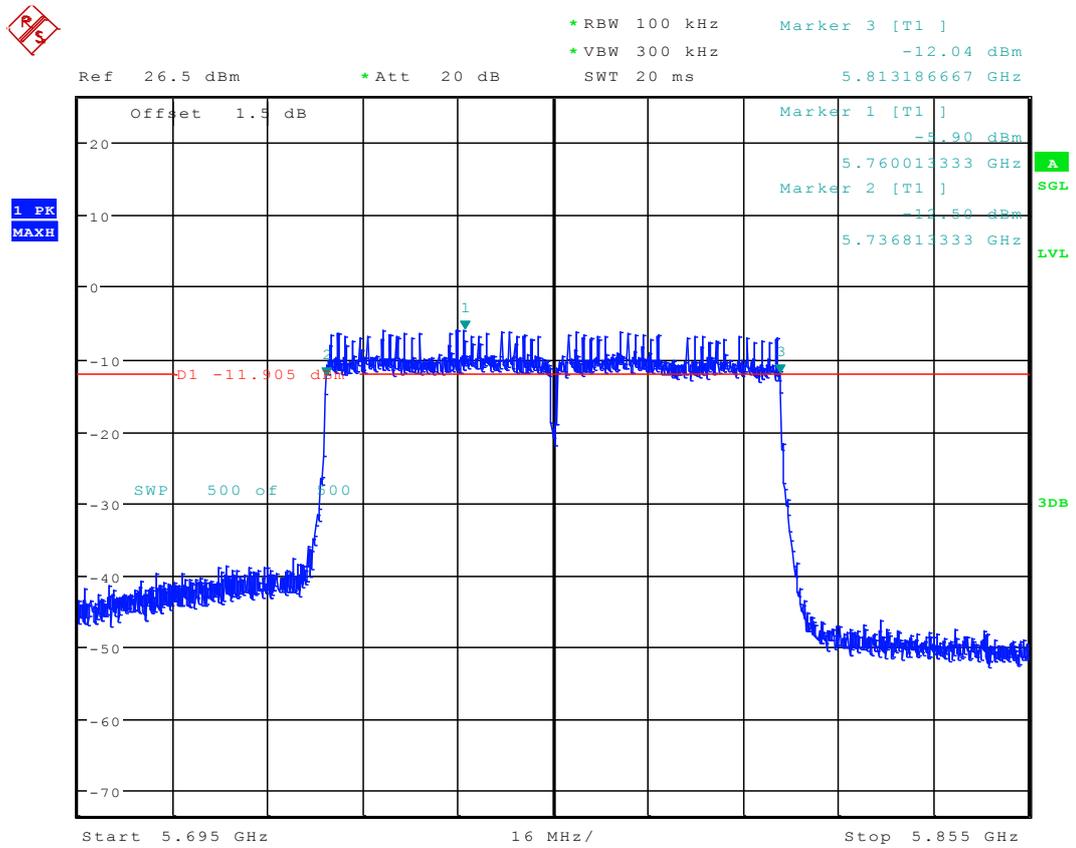


### 4.42 11AC80\_155 ANT 2



Date: 7.DEC.2017 10:05:08

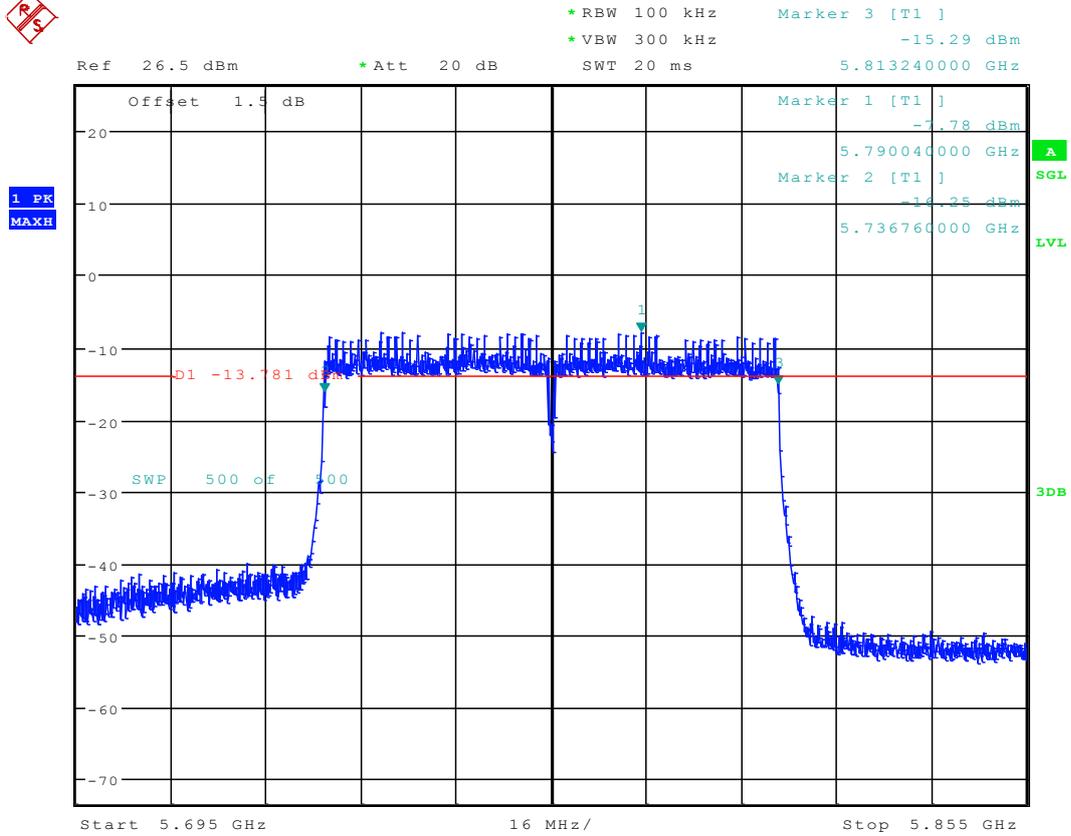
### 4.43 11AC80MIMO\_155 ANT 1



Date: 7.DEC.2017 09:38:43



### 4.44 11AC80MIMO\_155 ANT 2



Date: 7.DEC.2017 12:56:42



# Appendix B Occupied Bandwidth (OBW)



## 5 Result Table

Test Mode	Test Channel	Frequency [MHz]	Antenna Port	Occupied Bandwidth [MHz]	Verdict
11A20	36	5180	ANT 1	17.30	PASS
	36	5180	ANT 2	17.32	PASS
	48	5240	ANT 1	17.42	PASS
	48	5240	ANT 2	17.30	PASS
	52	5260	ANT 1	17.34	PASS
	52	5260	ANT 2	17.30	PASS
	64	5320	ANT 1	17.30	PASS
	64	5320	ANT 2	17.32	PASS
	100	5500	ANT 1	17.32	PASS
	100	5500	ANT 2	17.36	PASS
	140	5700	ANT 1	17.32	PASS
	140	5700	ANT 2	17.34	PASS
	140	5720	ANT 1	17.34	PASS
	140	5720	ANT 2	17.32	PASS
	149	5745	ANT 1	17.34	PASS
	149	5745	ANT 2	17.34	PASS
	165	5825	ANT 1	17.34	PASS
	165	5825	ANT 2	17.36	PASS
11A20_CDD	36	5180	ANT 1	17.30	PASS
	36	5180	ANT 2	17.24	PASS
	48	5240	ANT 1	17.38	PASS
	48	5240	ANT 2	17.26	PASS
	52	5260	ANT 1	17.44	PASS
	52	5260	ANT 2	17.20	PASS
	64	5320	ANT 1	17.30	PASS
	64	5320	ANT 2	17.20	PASS
	100	5500	ANT 1	17.32	PASS
	100	5500	ANT 2	17.24	PASS
	140	5700	ANT 1	17.32	PASS
	140	5700	ANT 2	17.28	PASS
	140	5720	ANT 1	17.40	PASS
	140	5720	ANT 2	17.26	PASS