



# 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	21.68	PASS
	36	5180	ANT 2	21.74	PASS
	48	5240	ANT 1	21.66	PASS
	48	5240	ANT 2	21.7	PASS
	52	5260	ANT 1	21.74	PASS
	52	5260	ANT 2	21.72	PASS
	64	5320	ANT 1	21.74	PASS
	64	5320	ANT 2	21.8	PASS
	100	5500	ANT 1	21.74	PASS
	100	5500	ANT 2	21.7	PASS
	140	5700	ANT 1	21.78	PASS
	140	5700	ANT 2	21.8	PASS
	144	5720	ANT 1	21.78	PASS
	144	5720	ANT 2	21.72	PASS
11N20	36	5180	ANT 1	22.04	PASS
	36	5180	ANT 2	22.2	PASS
	48	5240	ANT 1	22.22	PASS
	48	5240	ANT 2	22.16	PASS
	52	5260	ANT 1	22.22	PASS
	52	5260	ANT 2	22.24	PASS
	64	5320	ANT 1	22.04	PASS
	64	5320	ANT 2	22.16	PASS
	100	5500	ANT 1	22.2	PASS
	100	5500	ANT 2	22.2	PASS
	140	5700	ANT 1	22.24	PASS
	140	5700	ANT 2	22.18	PASS
	144	5720	ANT 1	22.34	PASS
	144	5720	ANT 2	22.18	PASS
11N20MIMO	36	5180	ANT 1	22.1	PASS
	36	5180	ANT 2	22.2	PASS
	48	5240	ANT 1	22.1	PASS
	48	5240	ANT 2	22.2	PASS
	52	5260	ANT 1	22.22	PASS
	52	5260	ANT 2	22.24	PASS



	64	5320	ANT 1	22.08	PASS
	64	5320	ANT 2	24.34	PASS
	100	5500	ANT 1	22.22	PASS
	100	5500	ANT 2	23.86	PASS
	140	5700	ANT 1	22.14	PASS
	140	5700	ANT 2	24.2	PASS
	144	5720	ANT 1	22.18	PASS
	144	5720	ANT 2	22.2	PASS
11N40	38	5190	ANT 1	40.82	PASS
	38	5190	ANT 2	40.84	PASS
	46	5230	ANT 1	40.6	PASS
	46	5230	ANT 2	40.6	PASS
	54	5270	ANT 1	41	PASS
	54	5270	ANT 2	40.48	PASS
	62	5310	ANT 1	40.58	PASS
	62	5310	ANT 2	40.6	PASS
	102	5510	ANT 1	40.68	PASS
	102	5510	ANT 2	40.64	PASS
	134	5670	ANT 1	40.68	PASS
	134	5670	ANT 2	40.58	PASS
	142	5710	ANT 1	40.7	PASS
	142	5710	ANT 2	40.66	PASS
11N40MIMO	38	5190	ANT 1	40.8	PASS
	38	5190	ANT 2	40.06	PASS
	46	5230	ANT 1	40.62	PASS
	46	5230	ANT 2	40.04	PASS
	54	5270	ANT 1	40.58	PASS
	54	5270	ANT 2	40.06	PASS
	62	5310	ANT 1	40.44	PASS
	62	5310	ANT 2	40.1	PASS
	102	5510	ANT 1	40.62	PASS
	102	5510	ANT 2	40.28	PASS
	134	5670	ANT 1	40.62	PASS
	134	5670	ANT 2	40.3	PASS
	142	5710	ANT 1	40.38	PASS
	142	5710	ANT 2	39.98	PASS
11AC20	36	5180	ANT 1	22.12	PASS
	36	5180	ANT 2	22.1	PASS
	48	5240	ANT 1	22.08	PASS
	48	5240	ANT 2	22.16	PASS
	52	5260	ANT 1	22.18	PASS



	52	5260	ANT 2	22.02	PASS
	64	5320	ANT 1	22.12	PASS
	64	5320	ANT 2	22.18	PASS
	100	5500	ANT 1	22.26	PASS
	100	5500	ANT 2	22.14	PASS
	140	5700	ANT 1	22.14	PASS
	140	5700	ANT 2	22.12	PASS
	144	5720	ANT 1	22.08	PASS
	144	5720	ANT 2	22.08	PASS
11AC20MIMO	36	5180	ANT 1	22.08	PASS
	36	5180	ANT 2	25.88	PASS
	48	5240	ANT 1	22.18	PASS
	48	5240	ANT 2	22.04	PASS
	52	5260	ANT 1	22.24	PASS
	52	5260	ANT 2	22.1	PASS
	64	5320	ANT 1	22.24	PASS
	64	5320	ANT 2	24.14	PASS
	100	5500	ANT 1	22.24	PASS
	100	5500	ANT 2	24.42	PASS
	140	5700	ANT 1	22.2	PASS
	140	5700	ANT 2	22.06	PASS
	144	5720	ANT 1	22.16	PASS
	144	5720	ANT 2	24.3	PASS
11AC40	38	5190	ANT 1	40.62	PASS
	38	5190	ANT 2	40.72	PASS
	46	5230	ANT 1	40.52	PASS
	46	5230	ANT 2	40.66	PASS
	54	5270	ANT 1	40.58	PASS
	54	5270	ANT 2	40.7	PASS
	62	5310	ANT 1	40.6	PASS
	62	5310	ANT 2	40.64	PASS
	102	5510	ANT 1	40.6	PASS
	102	5510	ANT 2	40.6	PASS
	134	5670	ANT 1	40.76	PASS
	134	5670	ANT 2	40.58	PASS
	142	5710	ANT 1	40.56	PASS
	142	5710	ANT 2	40.5	PASS
11AC40MIMO	38	5190	ANT 1	40.58	PASS
	38	5190	ANT 2	40.18	PASS
	46	5230	ANT 1	40.66	PASS
	46	5230	ANT 2	40.2	PASS



	54	5270	ANT 1	40.64	PASS
	54	5270	ANT 2	39.98	PASS
	62	5310	ANT 1	40.64	PASS
	62	5310	ANT 2	40.02	PASS
	102	5510	ANT 1	40.68	PASS
	102	5510	ANT 2	40.18	PASS
	134	5670	ANT 1	40.62	PASS
	134	5670	ANT 2	40.08	PASS
	142	5710	ANT 1	40.6	PASS
	142	5710	ANT 2	39.88	PASS
11AC80	42	5210	ANT 1	82.83	PASS
	42	5210	ANT 2	83.41	PASS
	58	5290	ANT 1	83.04	PASS
	58	5290	ANT 2	83.2	PASS
	106	5530	ANT 1	83.04	PASS
	106	5530	ANT 2	83.2	PASS
	138	5690	ANT 1	82.83	PASS
	138	5690	ANT 2	83.36	PASS
11AC80MIMO	42	5210	ANT 1	82.88	PASS
	42	5210	ANT 2	82.72	PASS
	58	5290	ANT 1	83.0933	PASS
	58	5290	ANT 2	82.51	PASS
	106	5530	ANT 1	82.77	PASS
	106	5530	ANT 2	82.19	PASS
	138	5690	ANT 1	83.04	PASS
	138	5690	ANT 2	82.4	PASS
11A-CDD	36	5180	ANT 1	21.74	PASS
	36	5180	ANT 2	21.74	PASS
	48	5240	ANT 1	21.7	PASS
	48	5240	ANT 2	21.78	PASS
	52	5260	ANT 1	21.8	PASS
	52	5260	ANT 2	21.8	PASS
	64	5320	ANT 1	21.78	PASS
	64	5320	ANT 2	21.74	PASS
	100	5500	ANT 1	21.8	PASS
	100	5500	ANT 2	21.82	PASS
	140	5700	ANT 1	21.8	PASS
	140	5700	ANT 2	21.78	PASS
	144	5720	ANT 1	21.82	PASS
	144	5720	ANT 2	22.74	PASS



**2 Result Table for 6dB Emission Bandwidth**

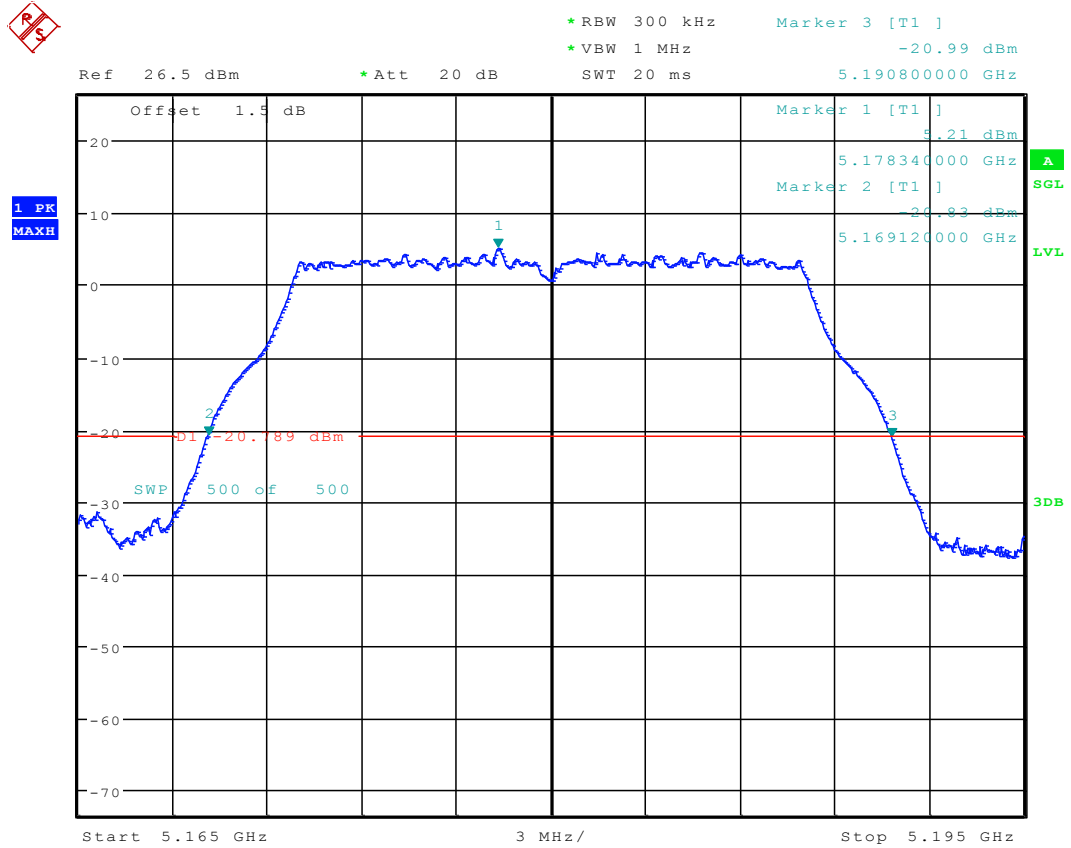
Test Mode	Test Channel	Frequency [MHz]	ANT	6dB Emission Bandwidth [MHz]	Verdict
11A20	149	5745	ANT 1	16.38	PASS
	149	5745	ANT 2	16.38	PASS
	165	5825	ANT 1	16.38	PASS
	165	5825	ANT 2	16.38	PASS
11N20	149	5745	ANT 1	17.66	PASS
	149	5745	ANT 2	17.62	PASS
	165	5825	ANT 1	17.62	PASS
	165	5825	ANT 2	17.64	PASS
11N20MIMO	149	5745	ANT 1	17.64	PASS
	149	5745	ANT 2	17.64	PASS
	165	5825	ANT 1	17.62	PASS
	165	5825	ANT 2	17.66	PASS
11N40	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	36.36	PASS
11N40MIMO	151	5755	ANT 1	36.38	PASS
	151	5755	ANT 2	36.4	PASS
	159	5795	ANT 1	36.36	PASS
	159	5795	ANT 2	36.36	PASS
11AC20	149	5745	ANT 1	17.62	PASS
	149	5745	ANT 2	17.66	PASS
	165	5825	ANT 1	17.64	PASS
	165	5825	ANT 2	17.66	PASS
11AC20MIMO	149	5745	ANT 1	17.64	PASS
	149	5745	ANT 2	17.64	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	36.38	PASS
	159	5795	ANT 2	36.36	PASS
11AC40MIMO	151	5755	ANT 1	36.38	PASS
	151	5755	ANT 2	36.4	PASS



	159	5795	ANT 1	36.38	PASS
	159	5795	ANT 2	36.38	PASS
11AC80	155	5775	ANT 1	76.16	PASS
	155	5775	ANT 2	76.4267	PASS
11AC80MIMO	155	5775	ANT 1	76.4267	PASS
	155	5775	ANT 2	76.4267	PASS
11A-CDD	149	5745	ANT 1	16.38	PASS
	149	5745	ANT 2	16.42	PASS
	165	5825	ANT 1	16.38	PASS
	165	5825	ANT 2	16.4	PASS

### 3 Test Plot for 26dB Emission Bandwidth

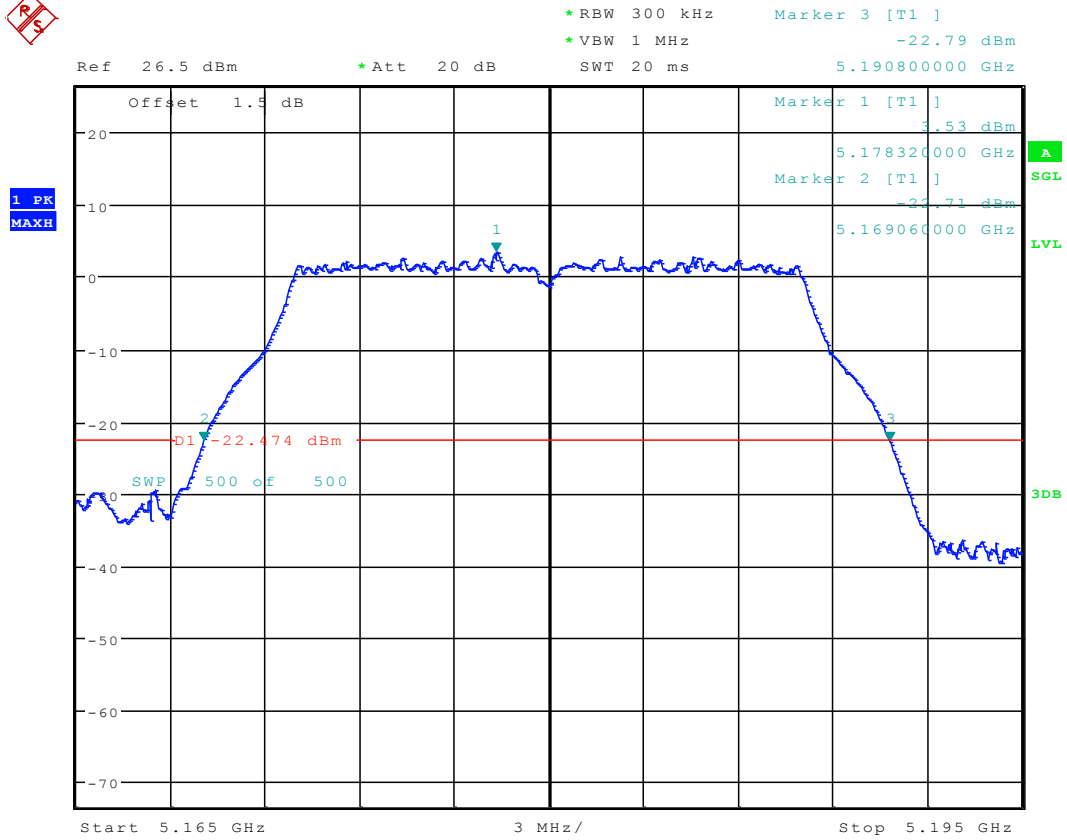
#### 3.1 11A20\_36 ANT 1



Date: 5.AUG.2017 15:44:18

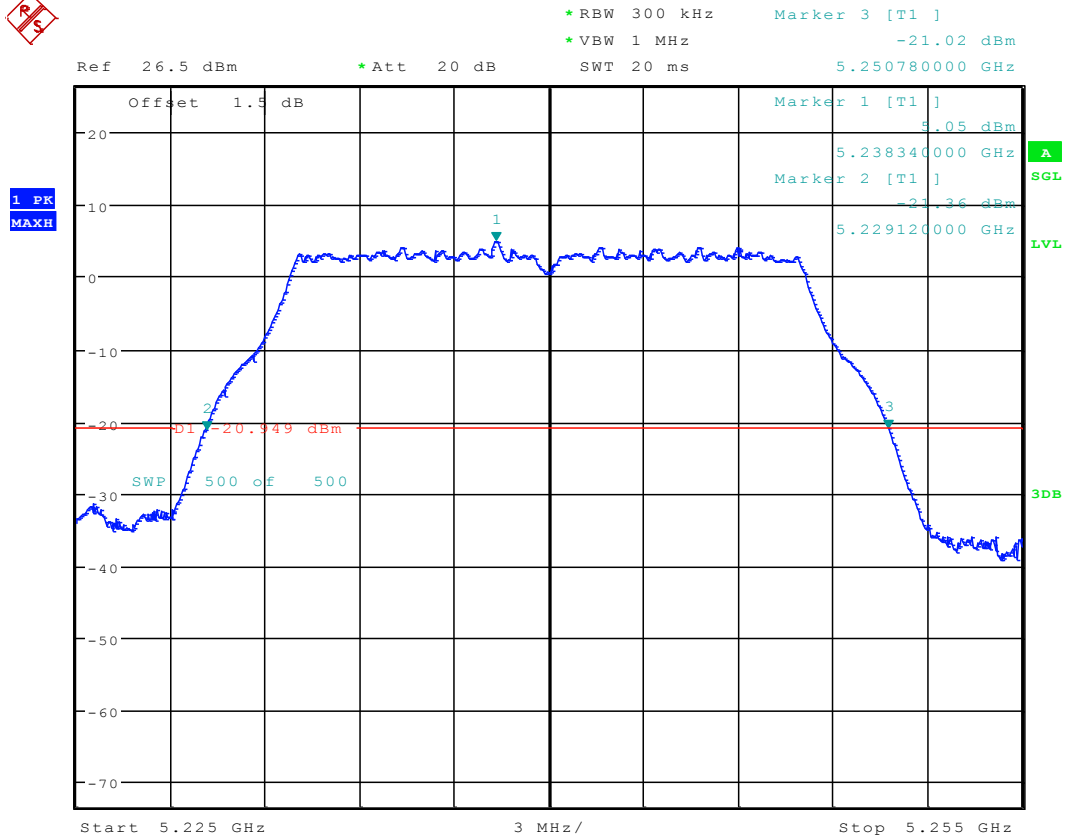


### 3.2 11A20\_36 ANT 2



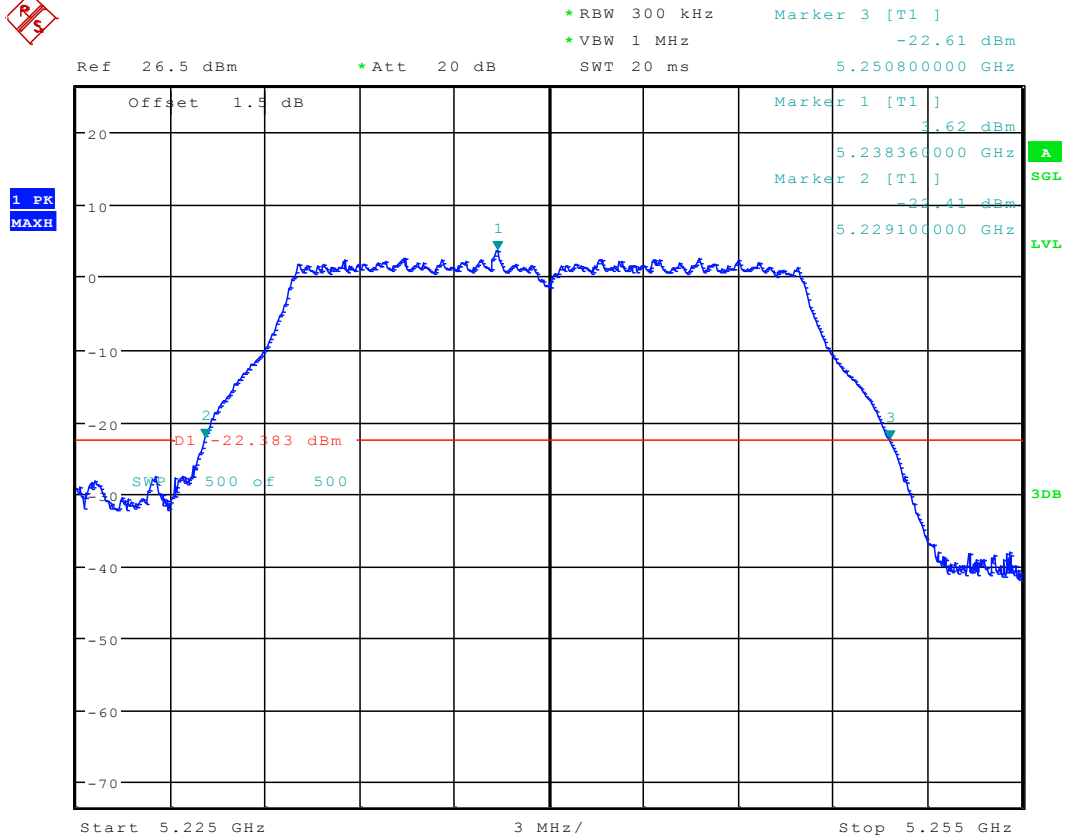
Date: 7.AUG.2017 11:27:40

### 3.3 11A20\_48 ANT 1



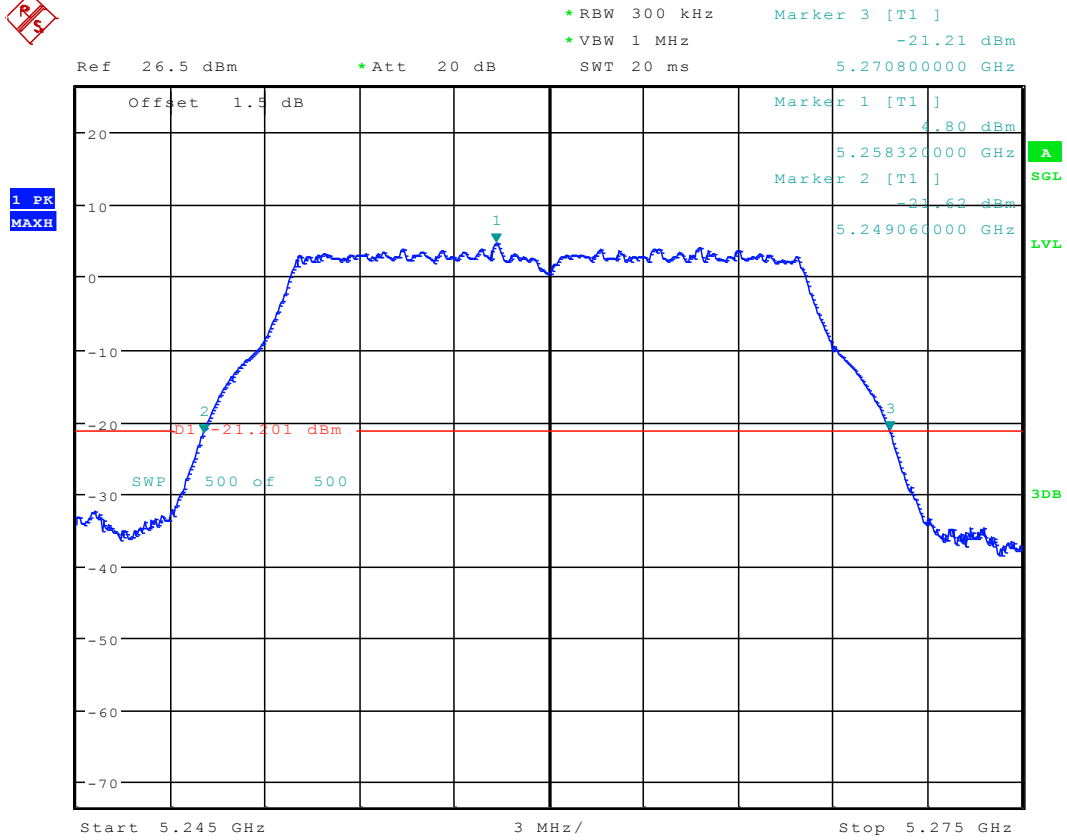
Date: 5.AUG.2017 15:47:53

### 3.4 11A20\_48 ANT 2



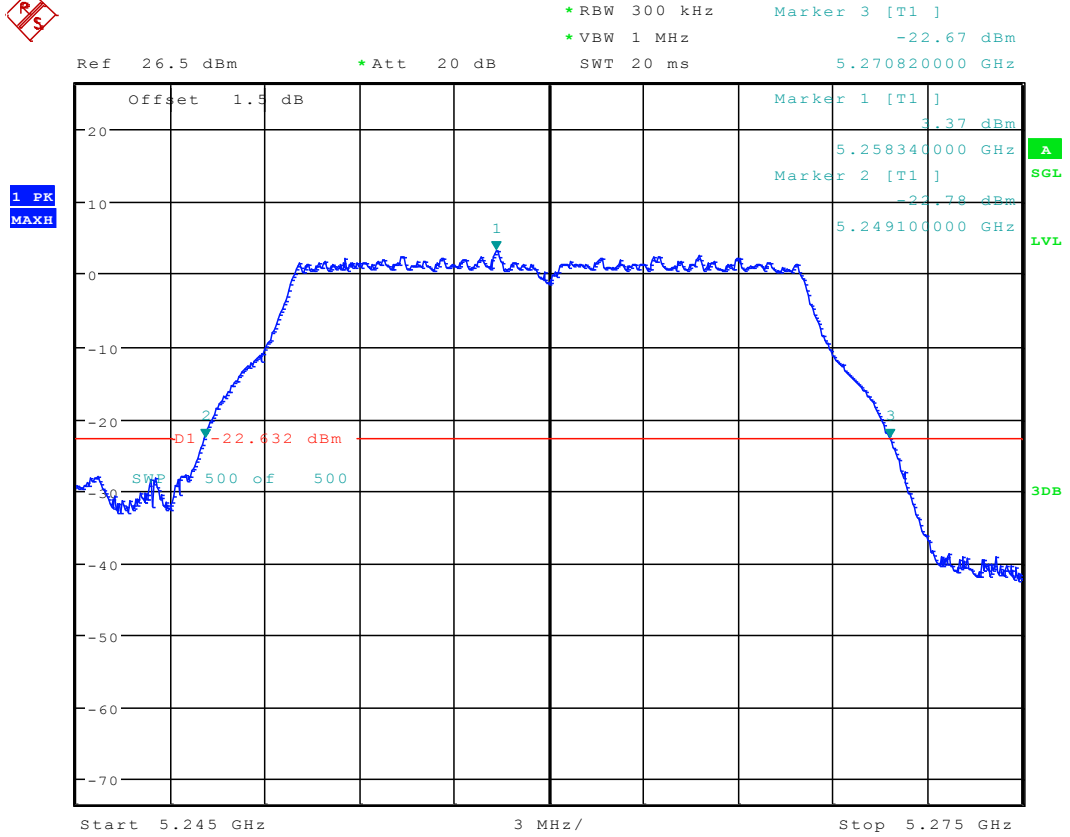
Date: 7.AUG.2017 11:30:40

### 3.5 11A20\_52 ANT 1



Date: 5.AUG.2017 15:52:22

### 3.6 11A20\_52 ANT 2

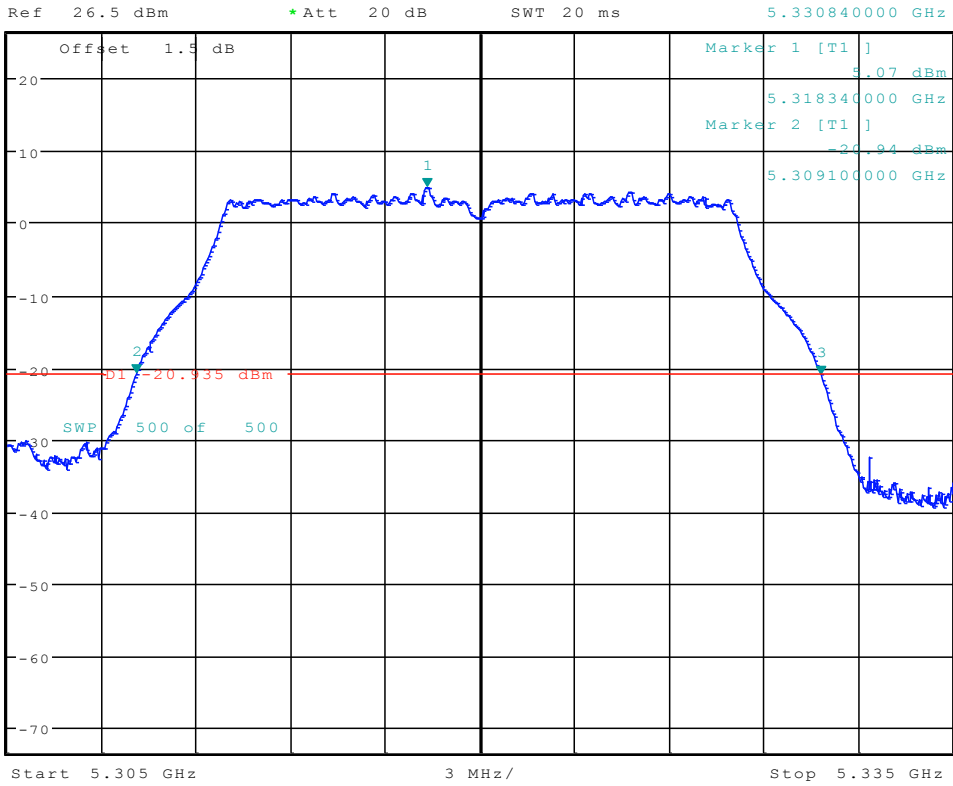


Date: 7.AUG.2017 11:34:11

### 3.7 11A20\_64 ANT 1

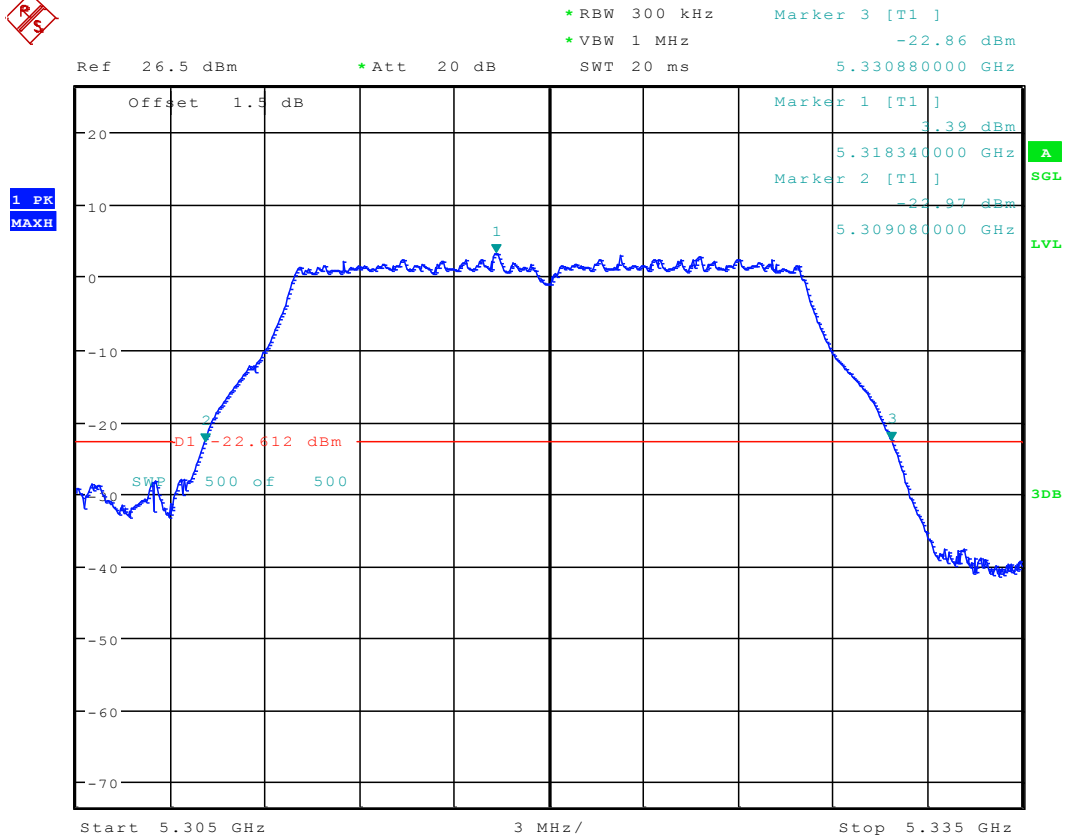


\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -21.04 dBm  
 SWT 20 ms      5.330840000 GHz



Date: 5.AUG.2017 15:59:09

### 3.8 11A20\_64 ANT 2



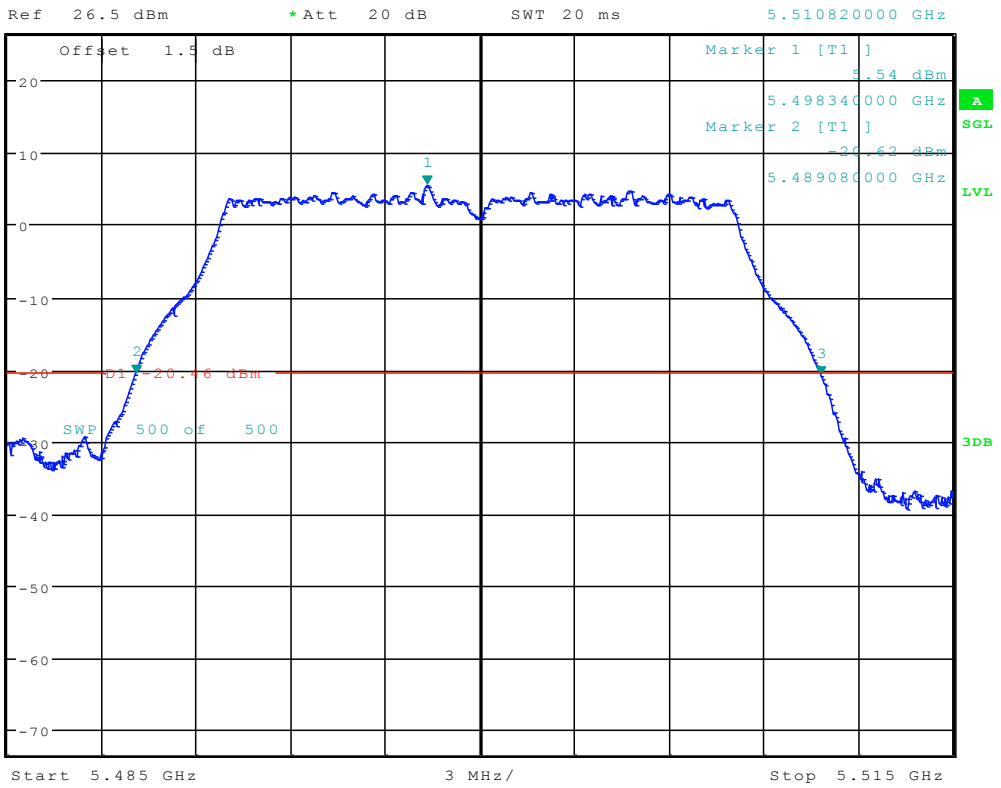
Date: 7.AUG.2017 11:37:24



### 3.9 11A20\_100 ANT 1



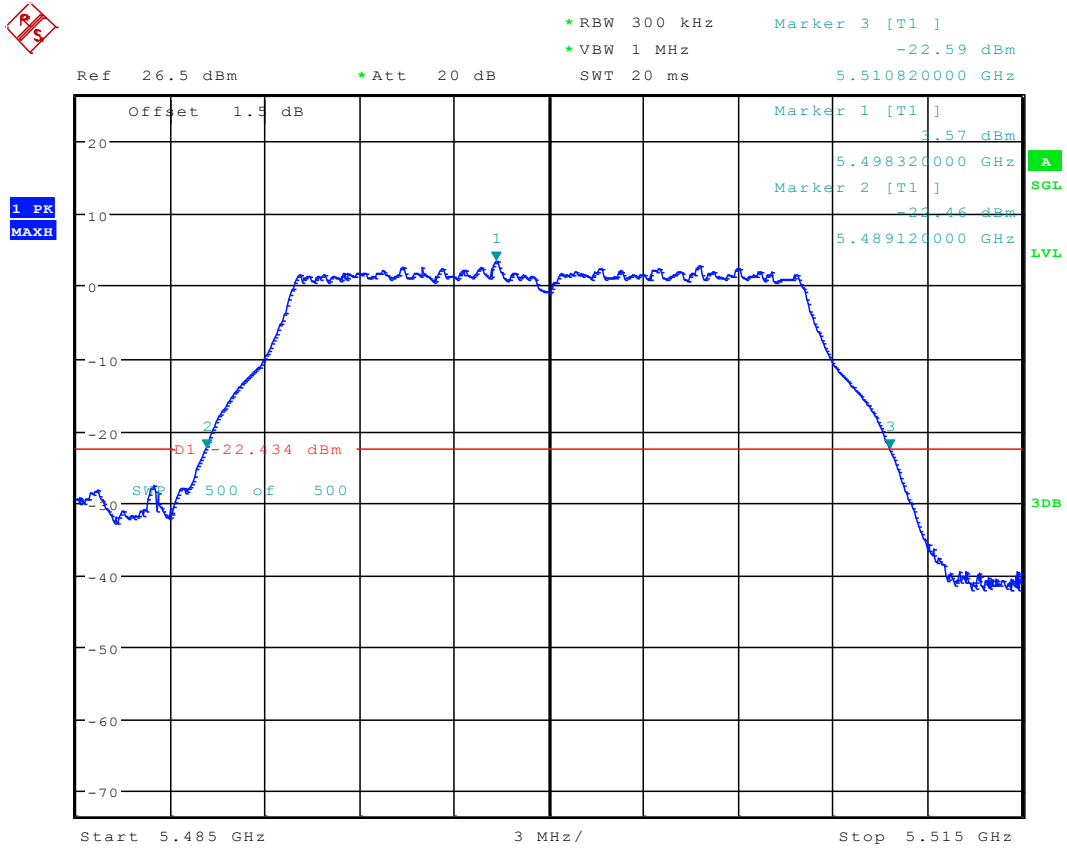
\*RBW 300 kHz    Marker 3 [T1 ]  
 \*VBW 1 MHz        -20.77 dBm  
 SWT 20 ms            5.510820000 GHz



Date: 5.AUG.2017 16:04:25

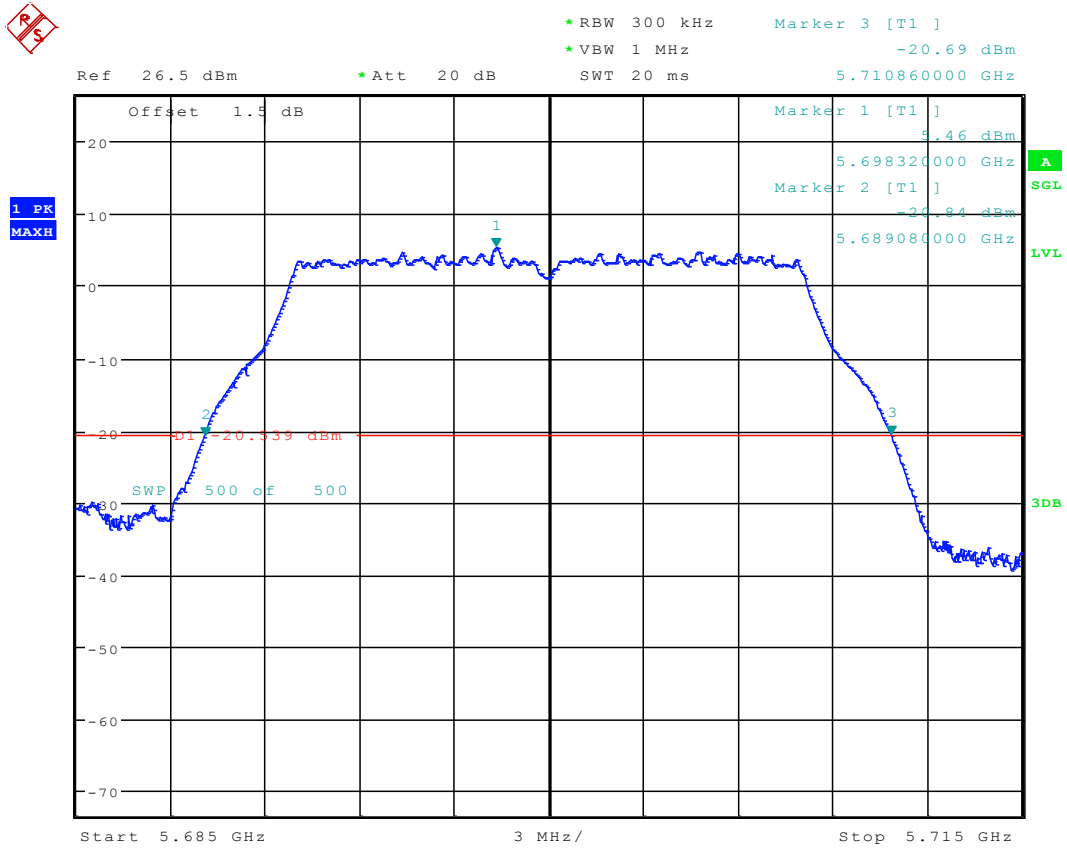


### 3.10 11A20\_100 ANT 2



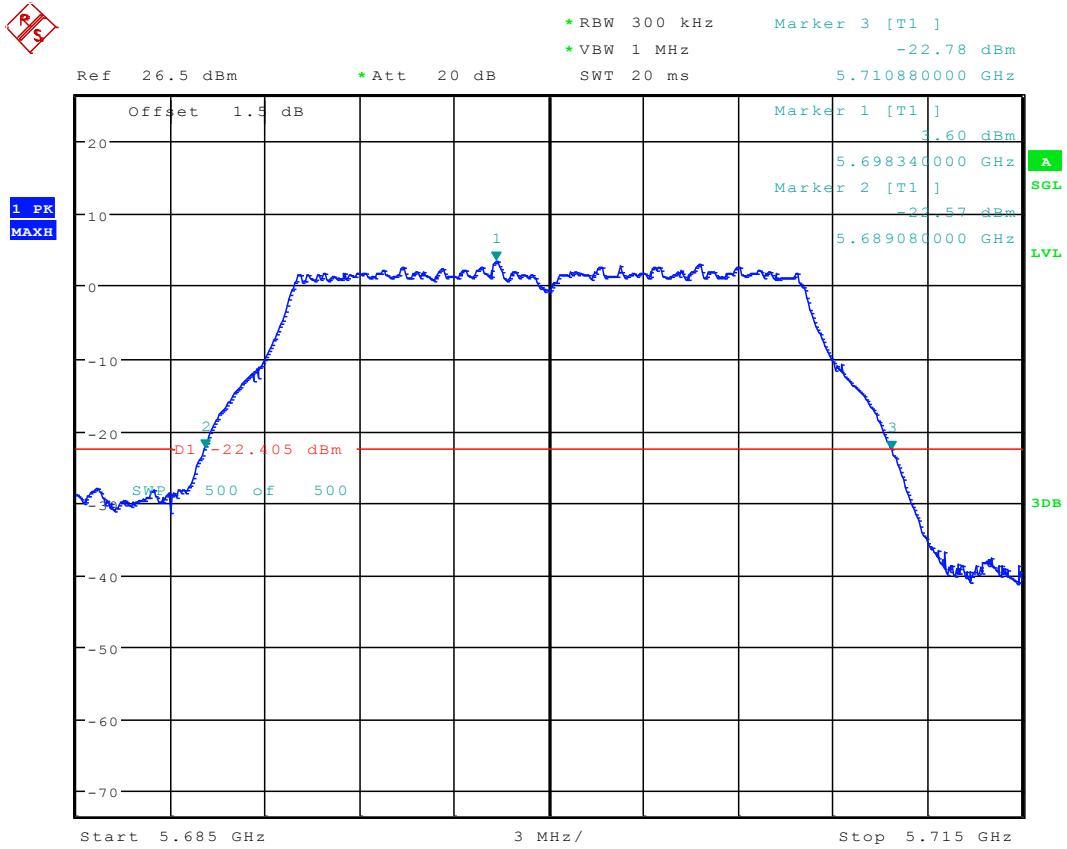
Date: 7.AUG.2017 11:40:26

### 3.11 11A20\_140 ANT 1



Date: 5.AUG.2017 16:07:56

### 3.12 11A20\_140 ANT 2

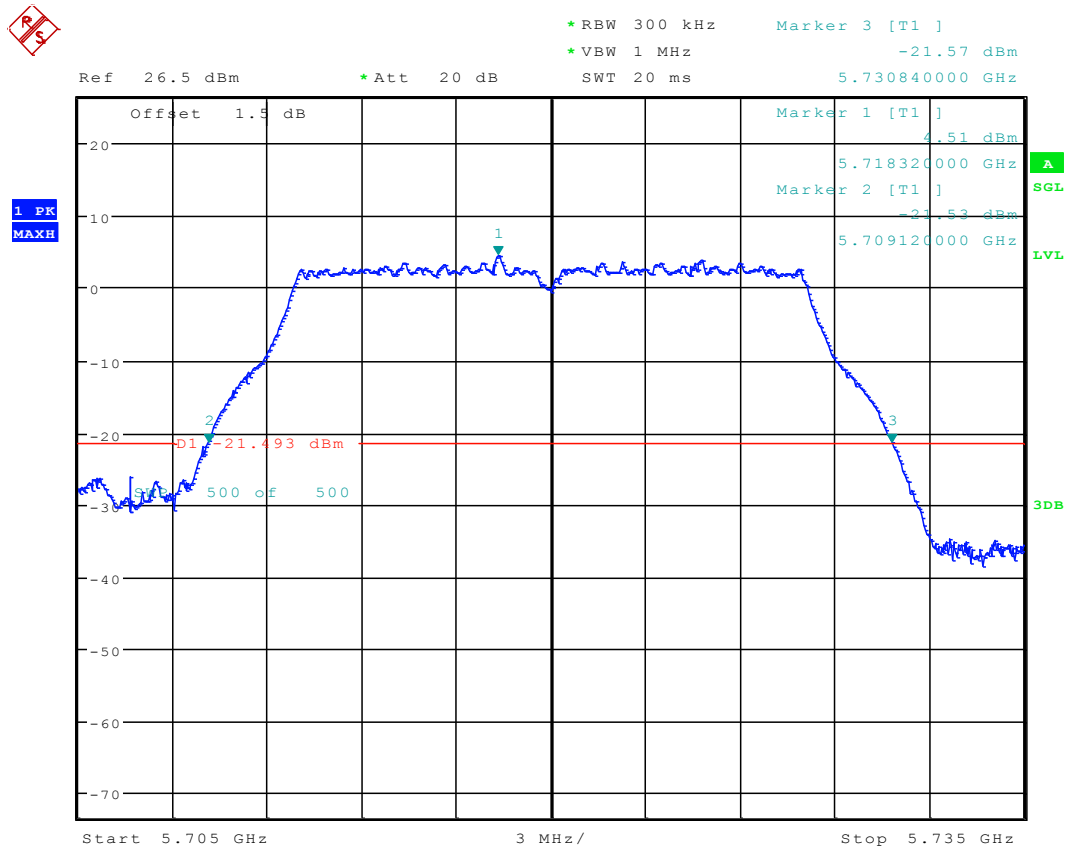


Date: 7.AUG.2017 11:44:15

### 3.13 11A20\_144 ANT 1



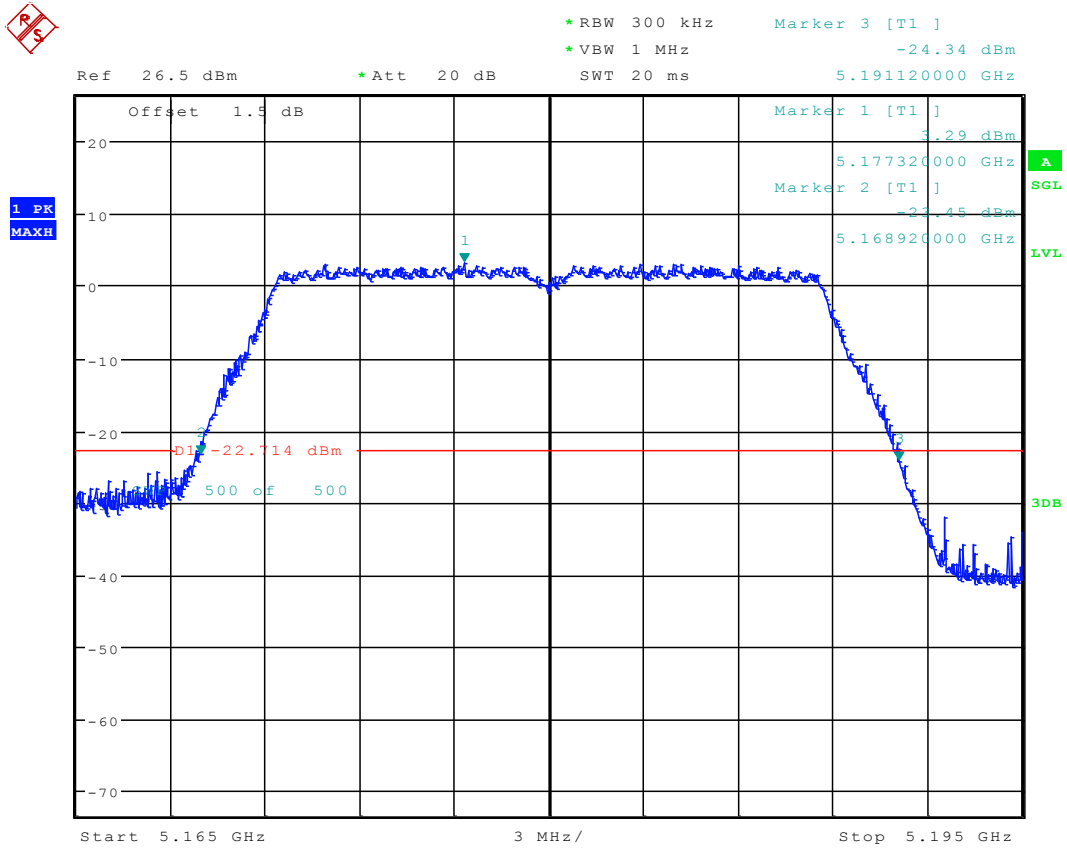
## 3.14 11A20\_144 ANT 2



Date: 16.SEP.2017 10:27:06

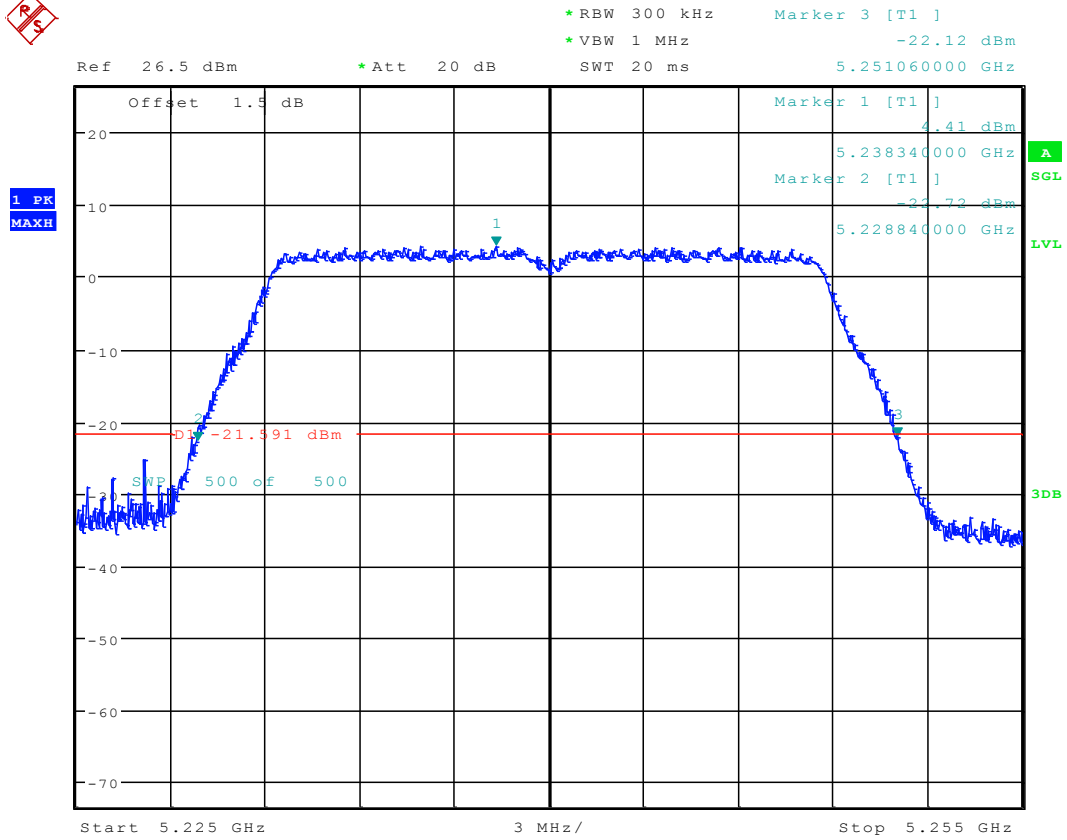


### 3.16 11N20\_36 ANT 2



Date: 7.AUG.2017 11:57:29

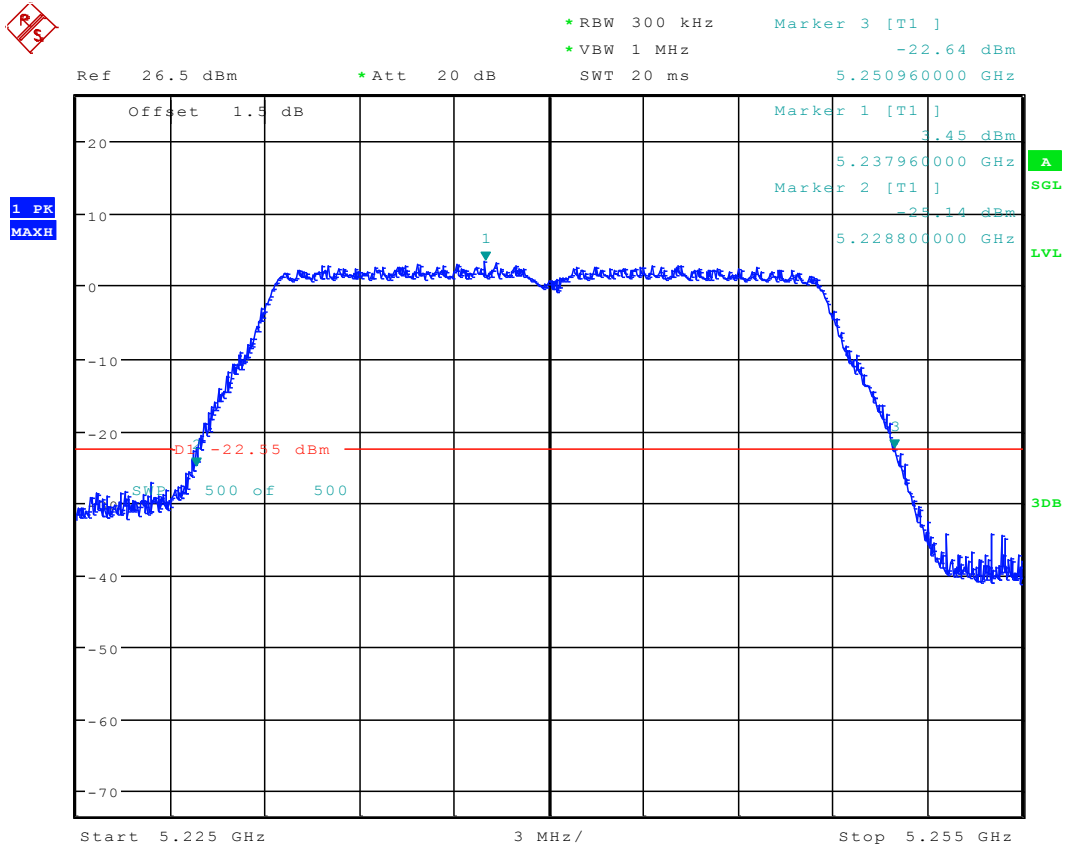
### 3.17 11N20\_48 ANT 1



Date: 5.AUG.2017 16:31:53



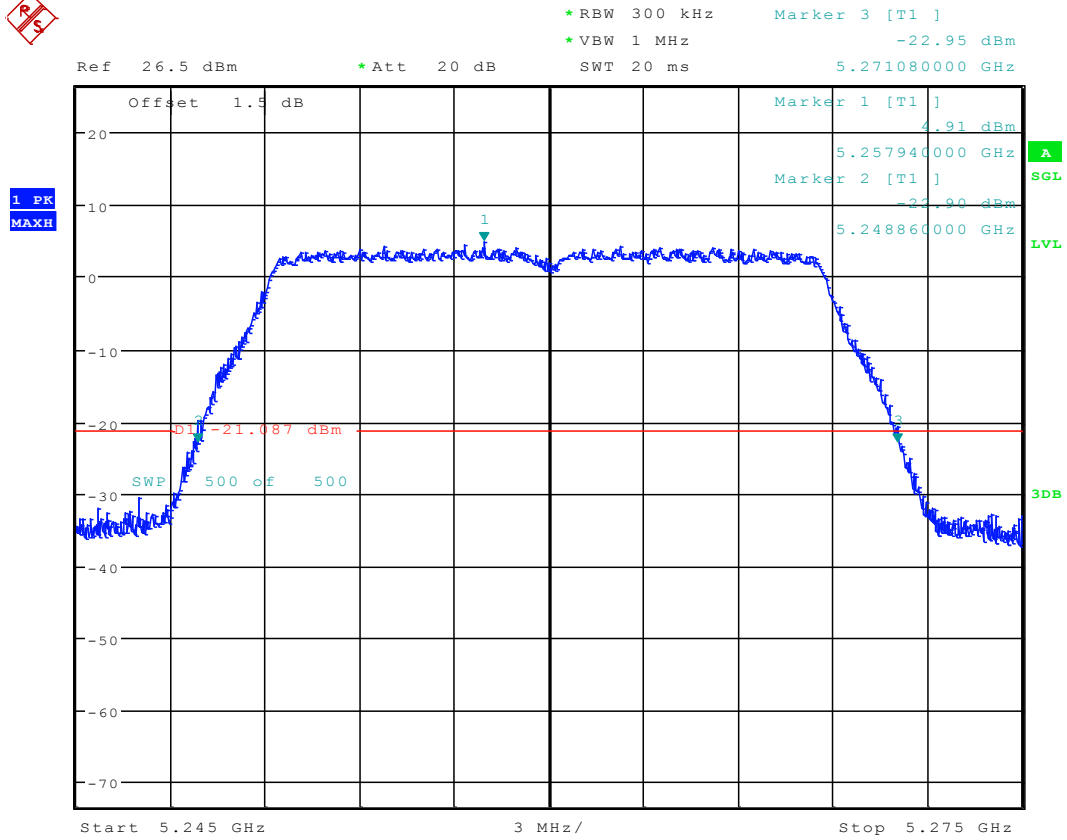
### 3.18 11N20\_48 ANT 2



Date: 7.AUG.2017 12:00:11

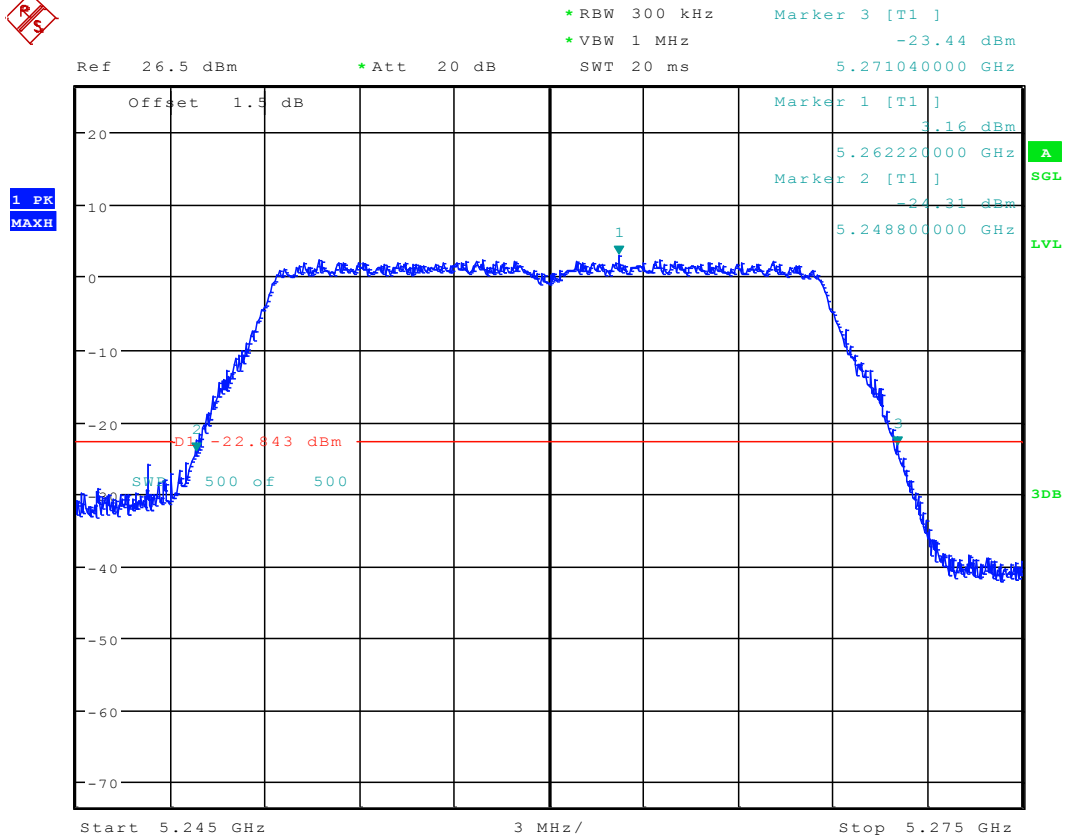


### 3.19 11N20\_52 ANT 1



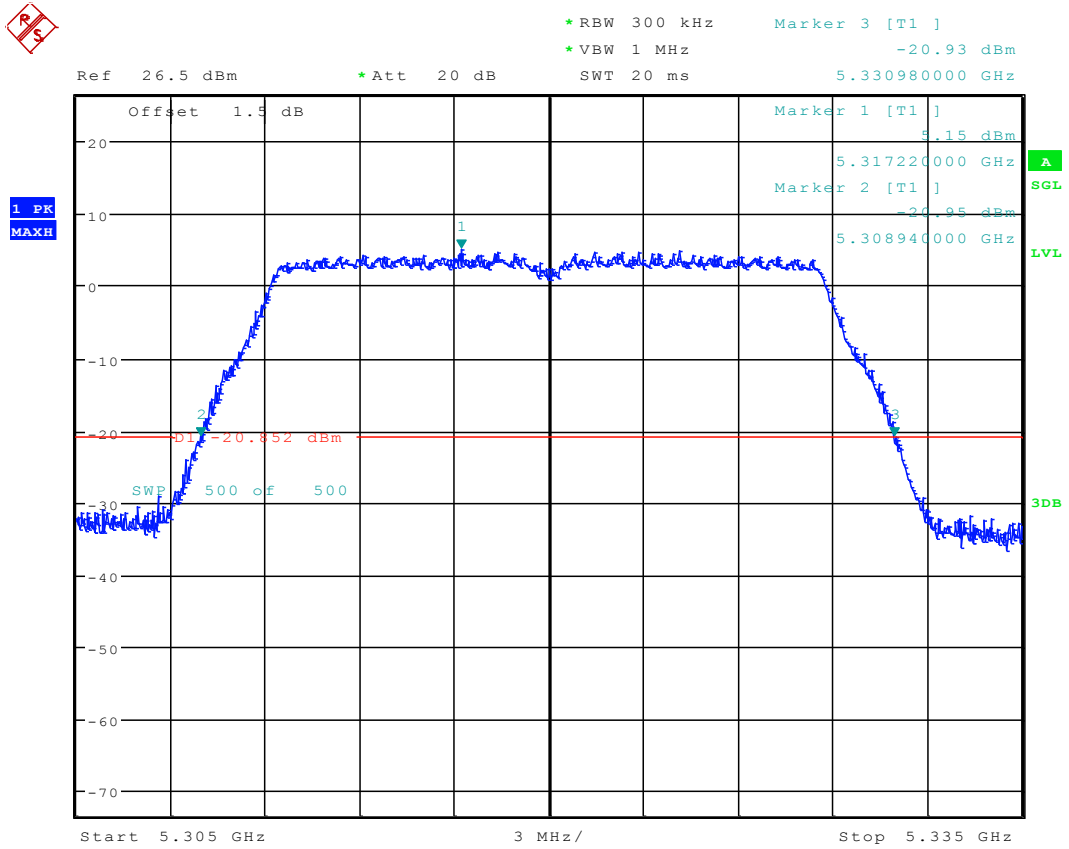
Date: 5.AUG.2017 16:35:04

### 3.20 11N20\_52 ANT 2



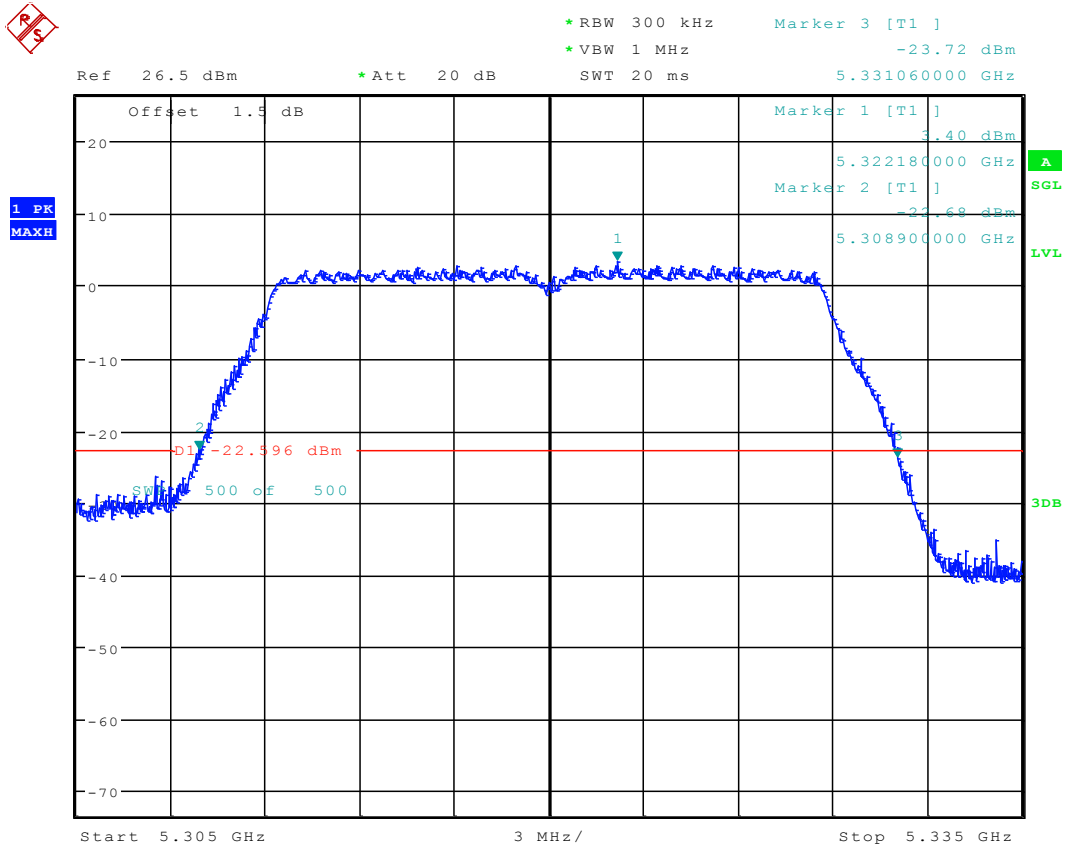
Date: 7.AUG.2017 12:03:02

## 3.21 11N20\_64 ANT 1



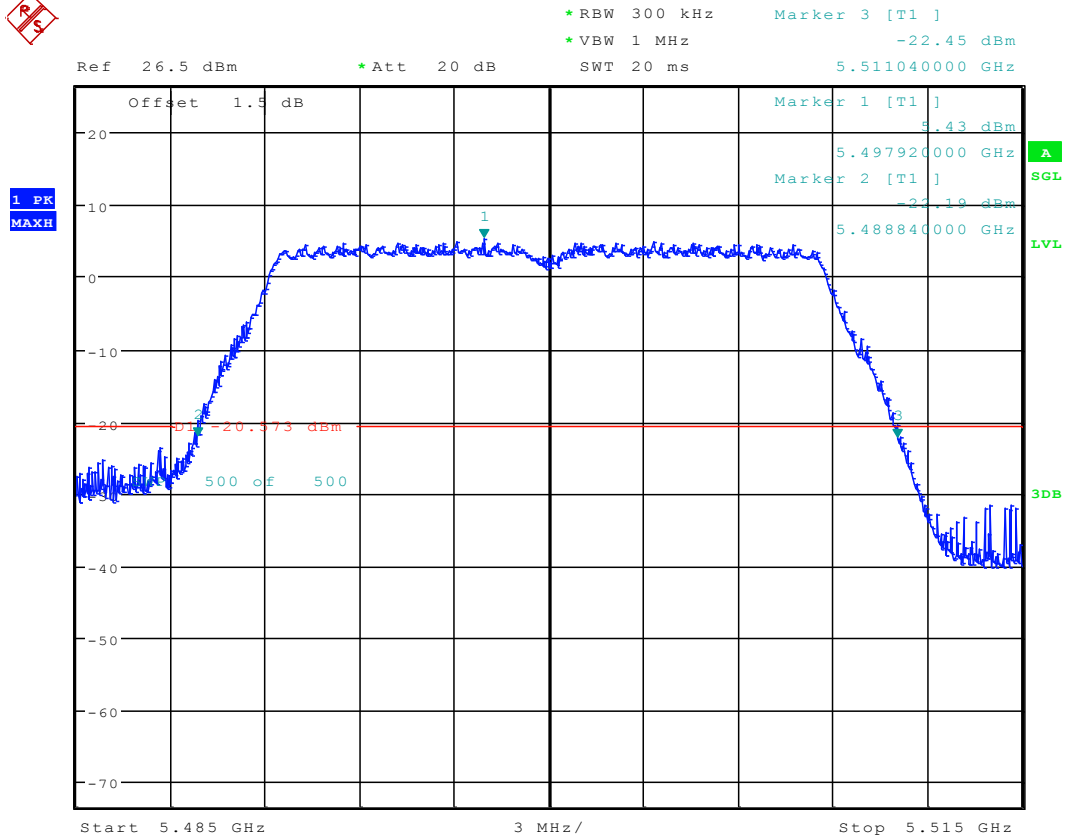
Date: 5.AUG.2017 16:37:56

### 3.22 11N20\_64 ANT 2



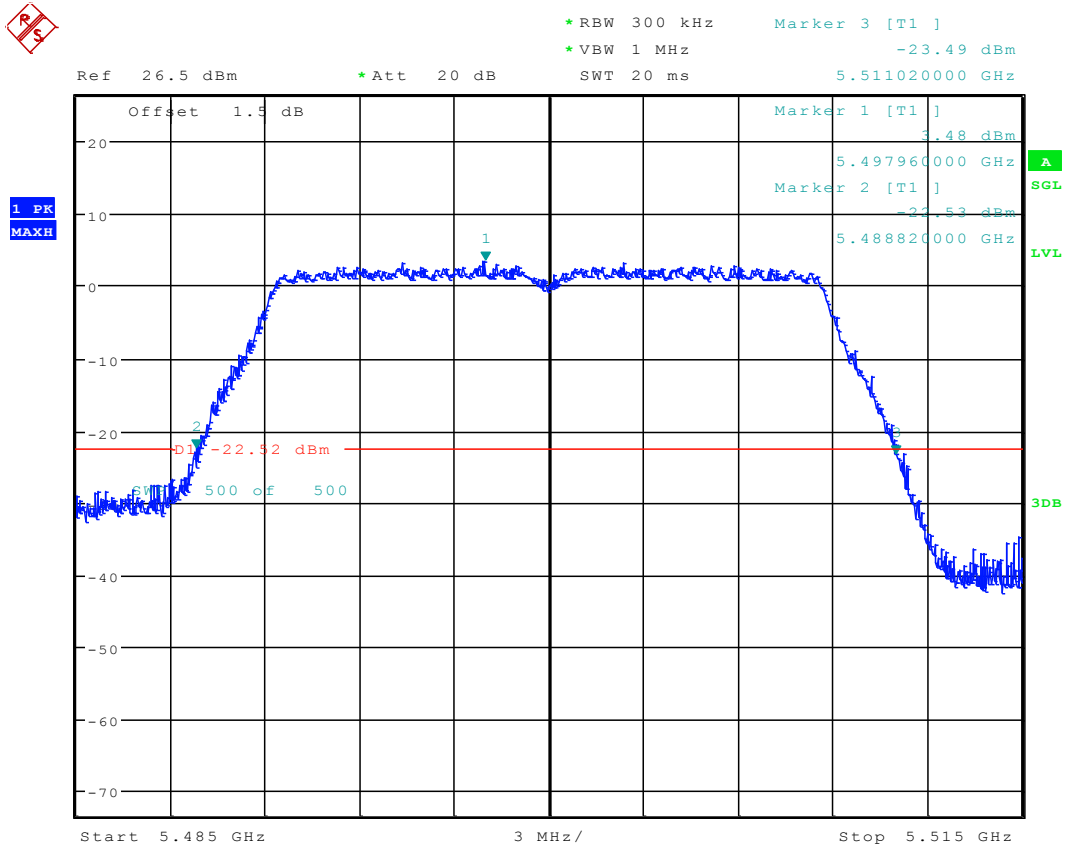
Date: 7.AUG.2017 12:05:39

### 3.23 11N20\_100 ANT 1



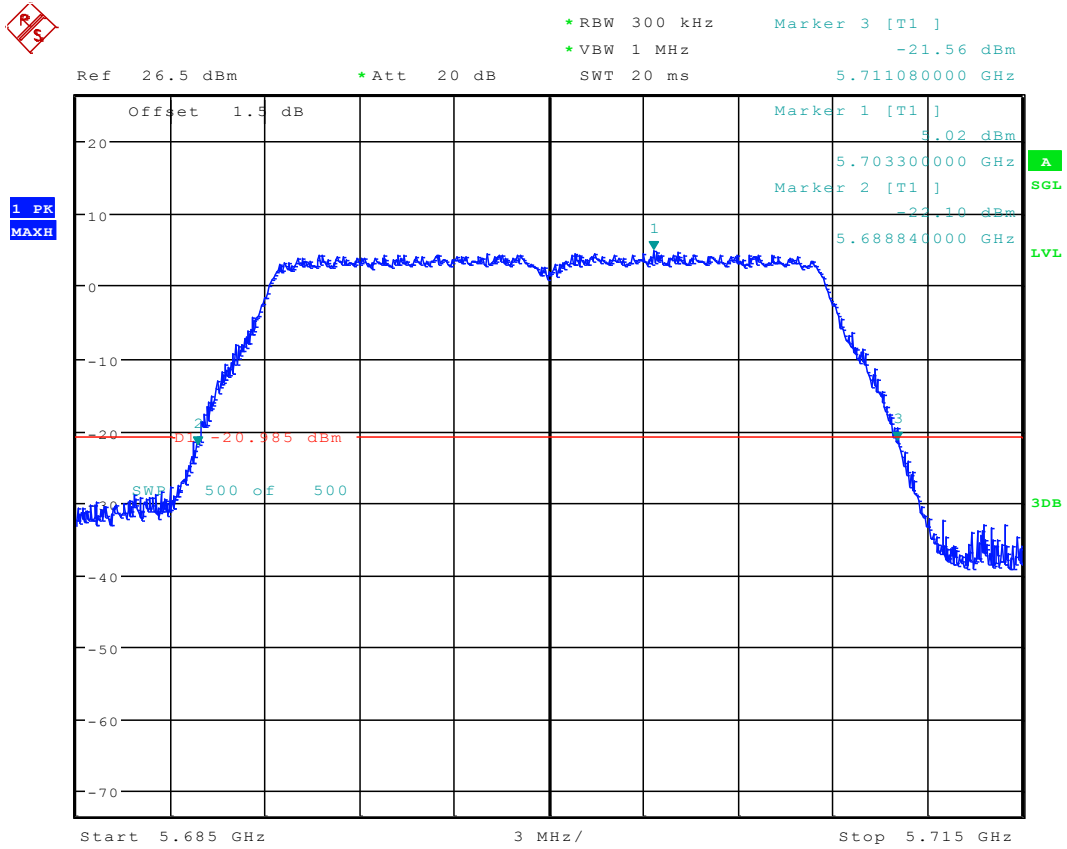
Date: 5.AUG.2017 16:42:58

### 3.24 11N20\_100 ANT 2



Date: 7.AUG.2017 13:46:02

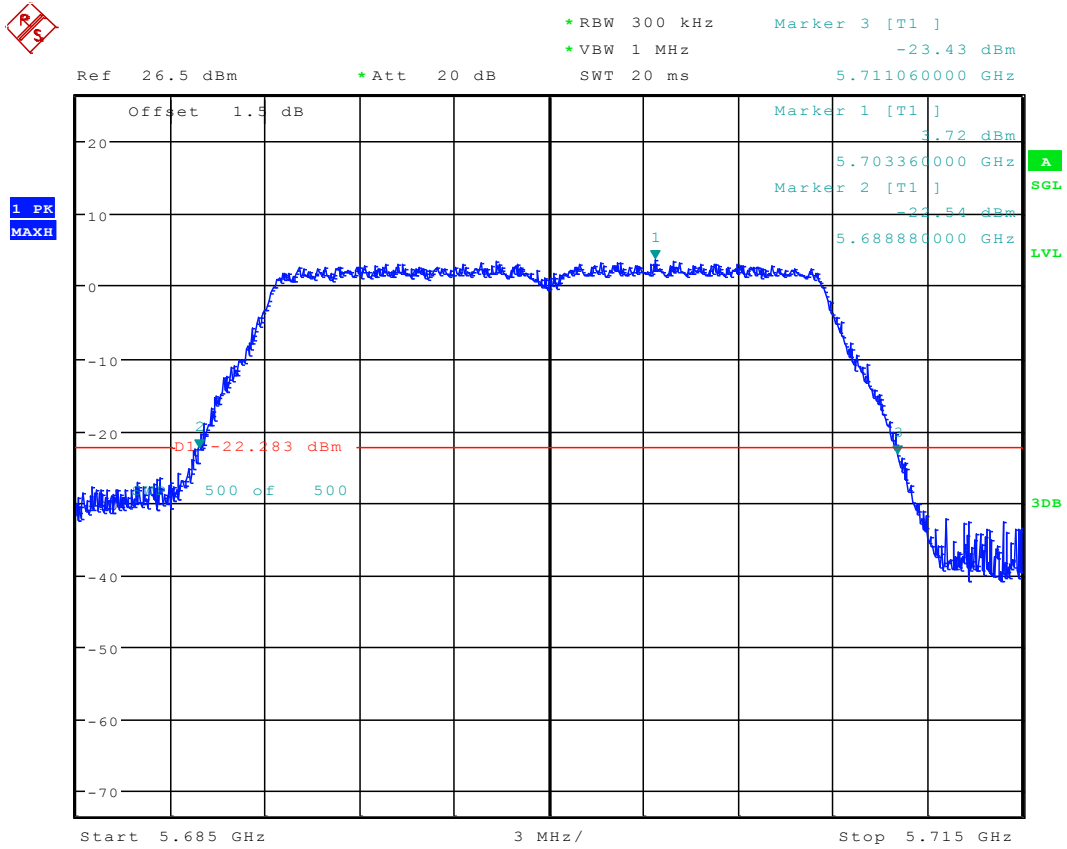
### 3.25 11N20\_140 ANT 1



Date: 5.AUG.2017 16:46:06



### 3.26 11N20\_140 ANT 2

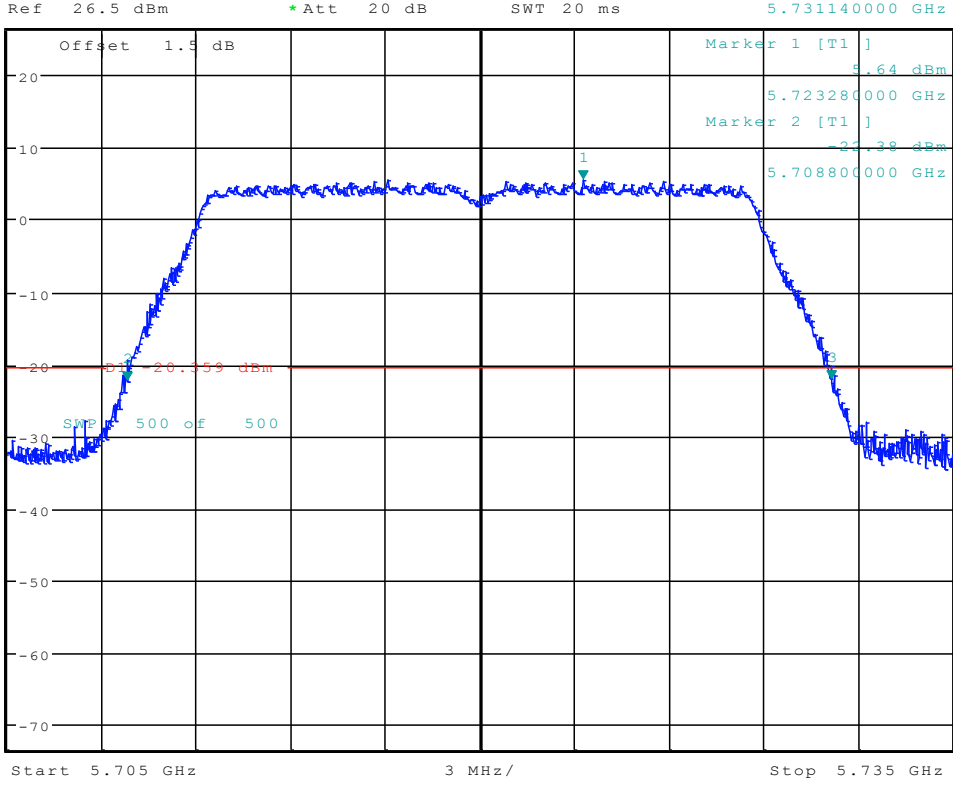


Date: 7.AUG.2017 13:50:38

### 3.27 11N20\_144 ANT 1

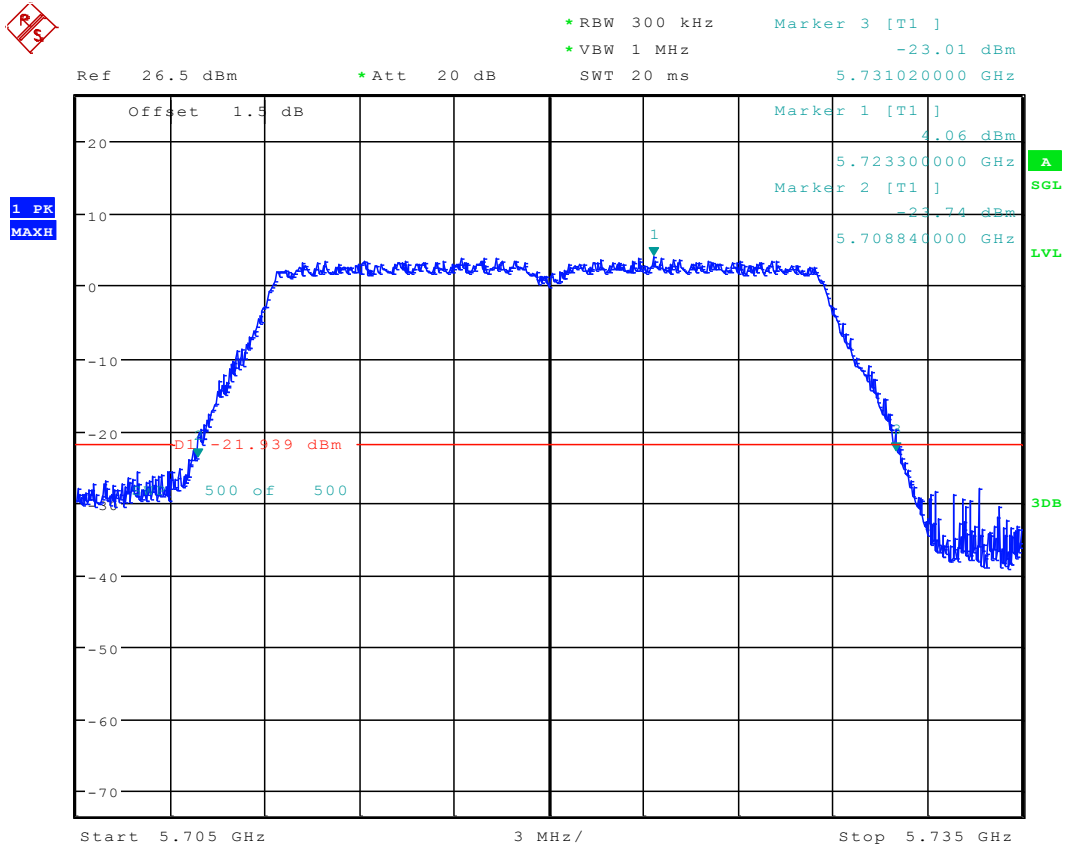


\*RBW 300 kHz      Marker 3 [T1 ]  
\*VBW 1 MHz      -22.20 dBm  
SWT 20 ms      5.731140000 GHz



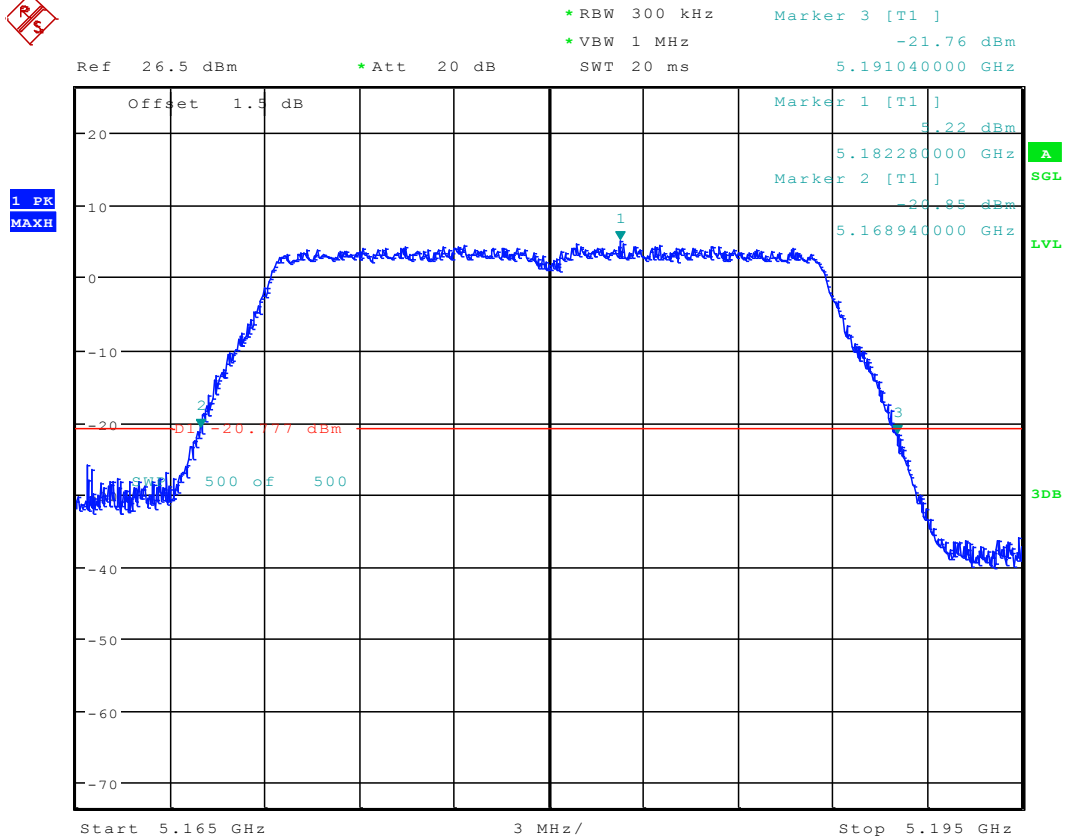
Date: 16.SEP.2017 09:55:32

## 3.28 11N20\_144 ANT 2



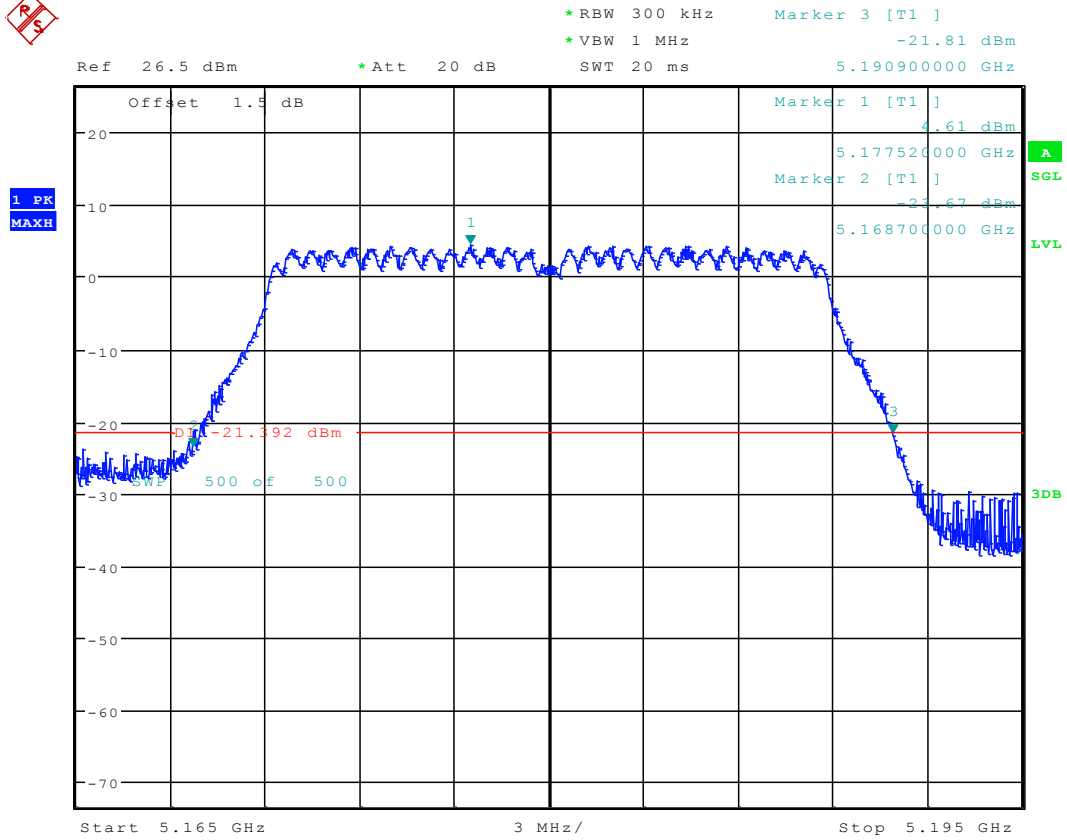
Date: 16.SEP.2017 10:35:37

## 3.29 11N20MIMO\_36 ANT 1



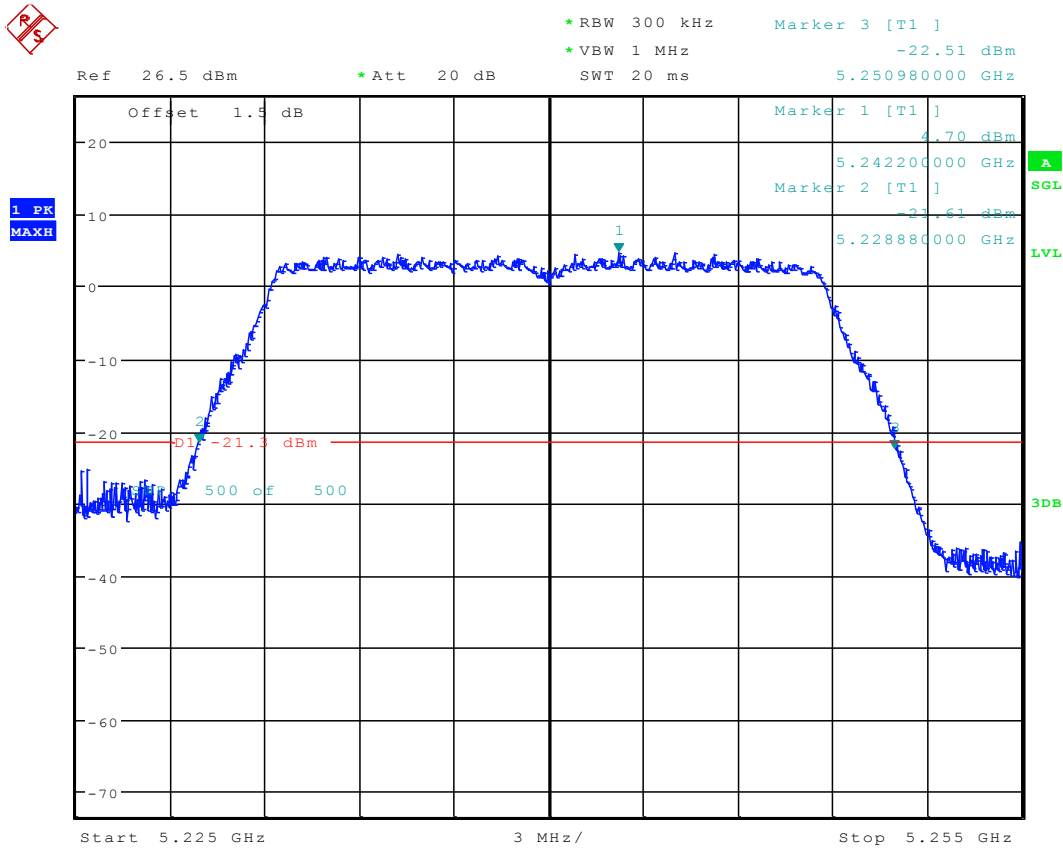
Date: 9.AUG.2017 17:56:28

### 3.30 11N20MIMO\_36 ANT 2



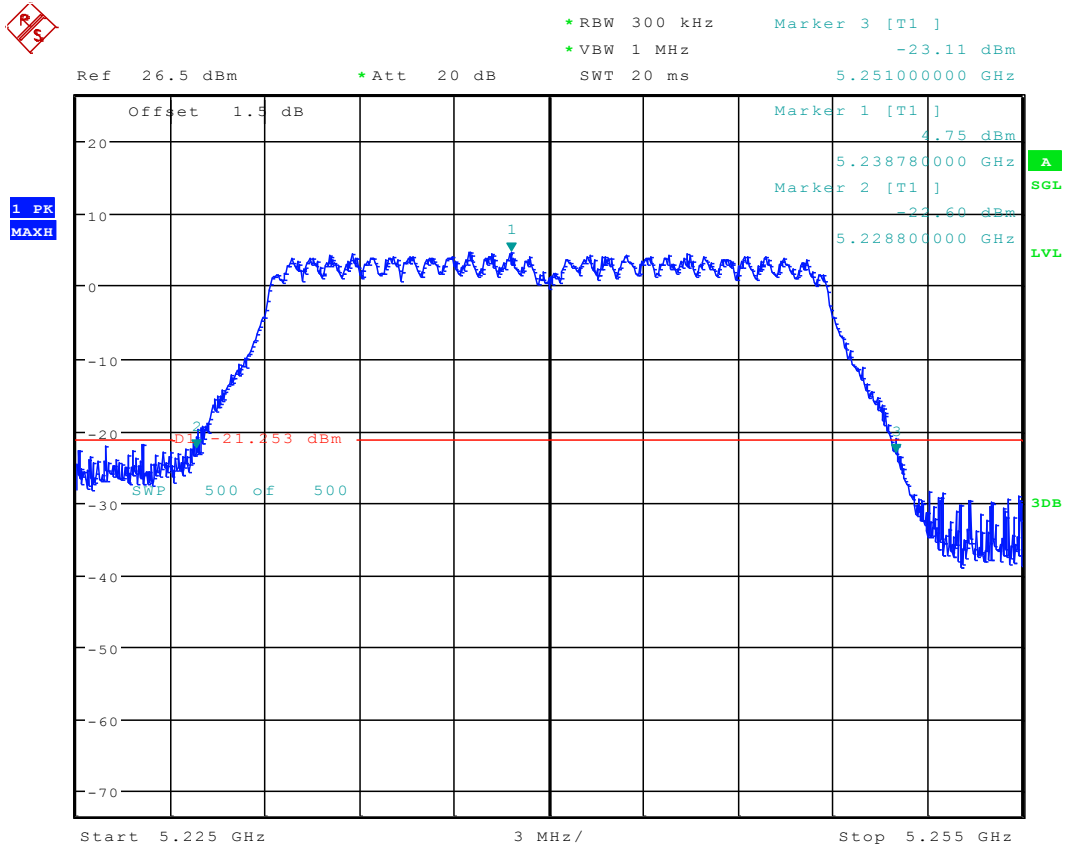
Date: 9.AUG.2017 14:28:56

### 3.31 11N20MIMO\_48 ANT 1



Date: 9.AUG.2017 17:59:11

### 3.32 11N20MIMO\_48 ANT 2

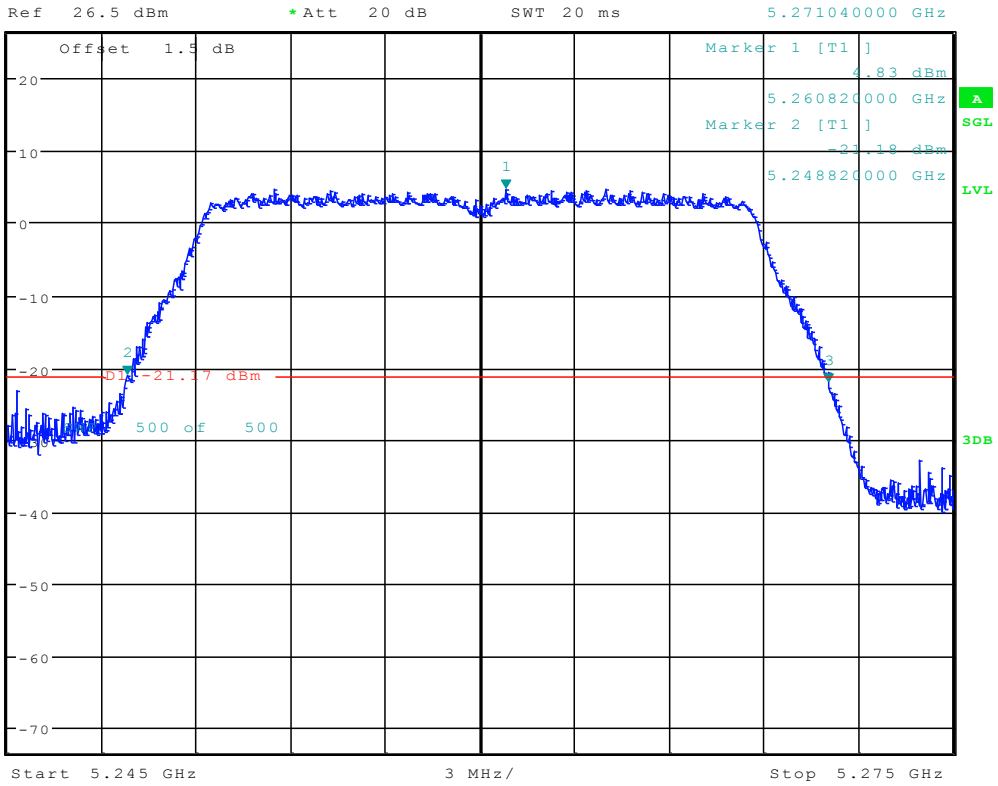


Date: 9.AUG.2017 14:32:09

### 3.33 11N20MIMO\_52 ANT 1



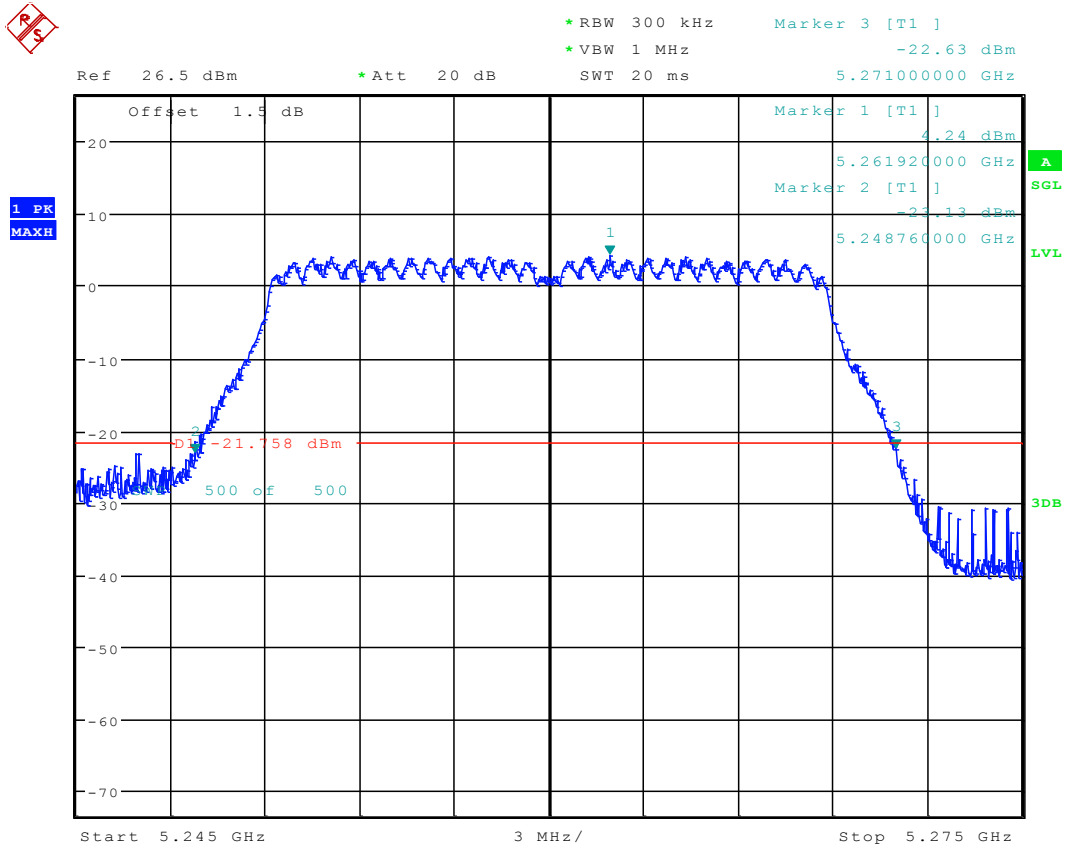
\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -22.23 dBm  
 SWT 20 ms      5.271040000 GHz



Date: 9.AUG.2017 18:02:21

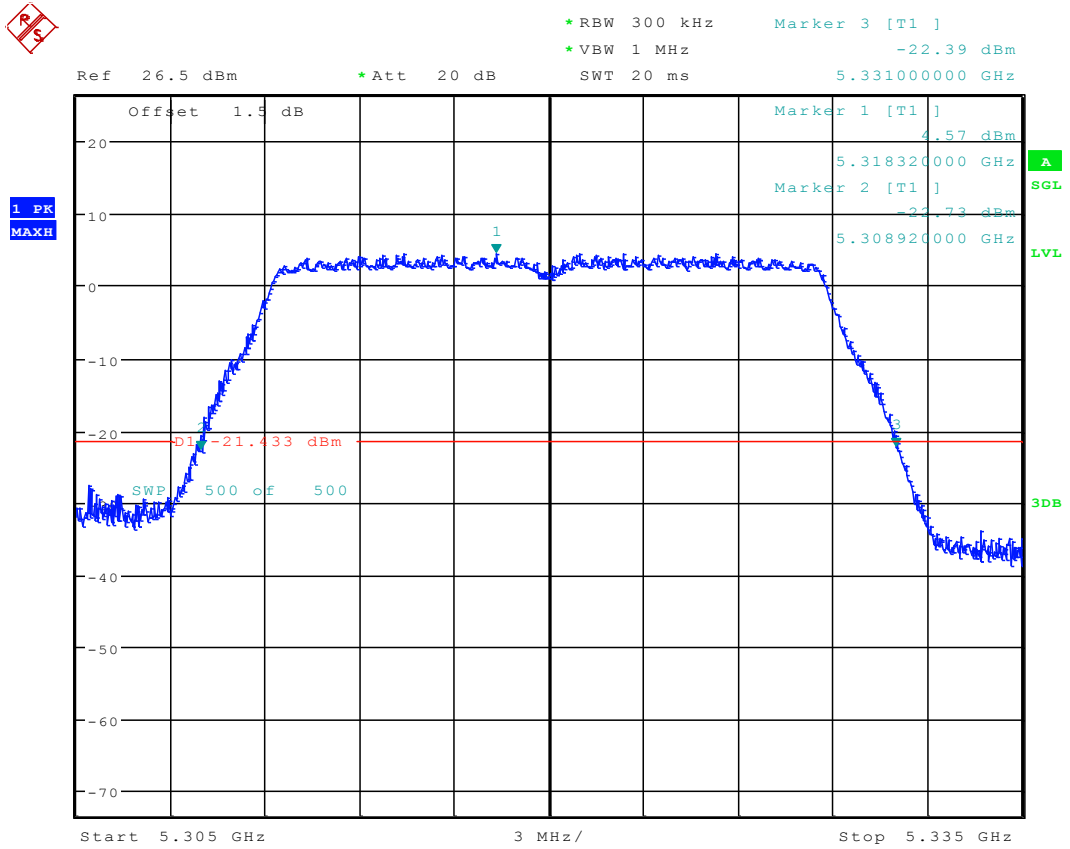


### 3.34 11N20MIMO\_52 ANT 2



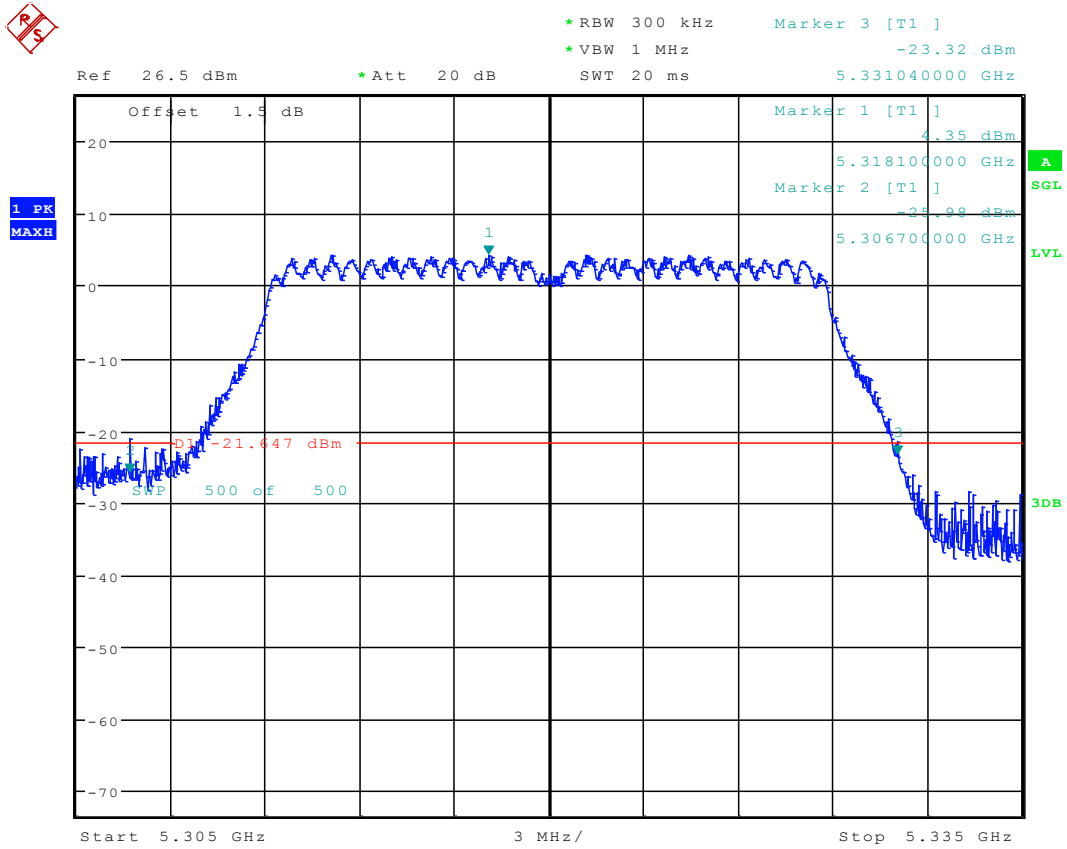
Date: 9.AUG.2017 14:35:11

### 3.35 11N20MIMO\_64 ANT 1



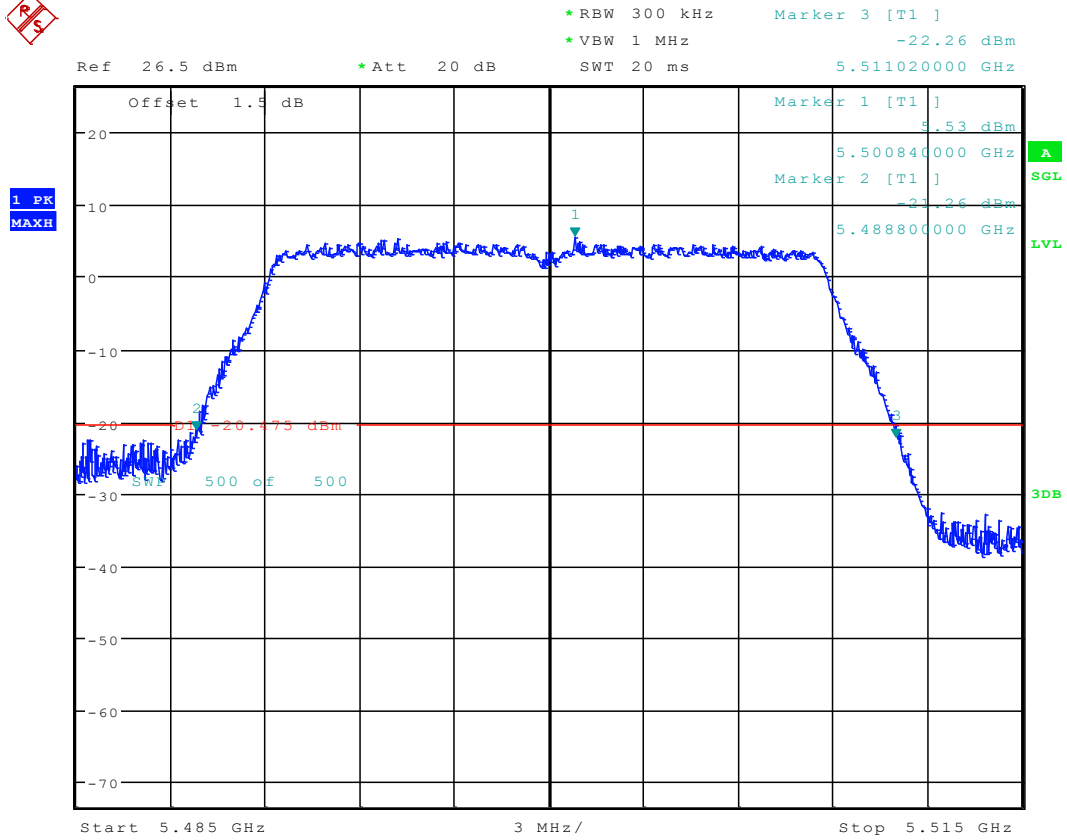
Date: 9.AUG.2017 18:05:15

### 3.36 11N20MIMO\_64 ANT 2



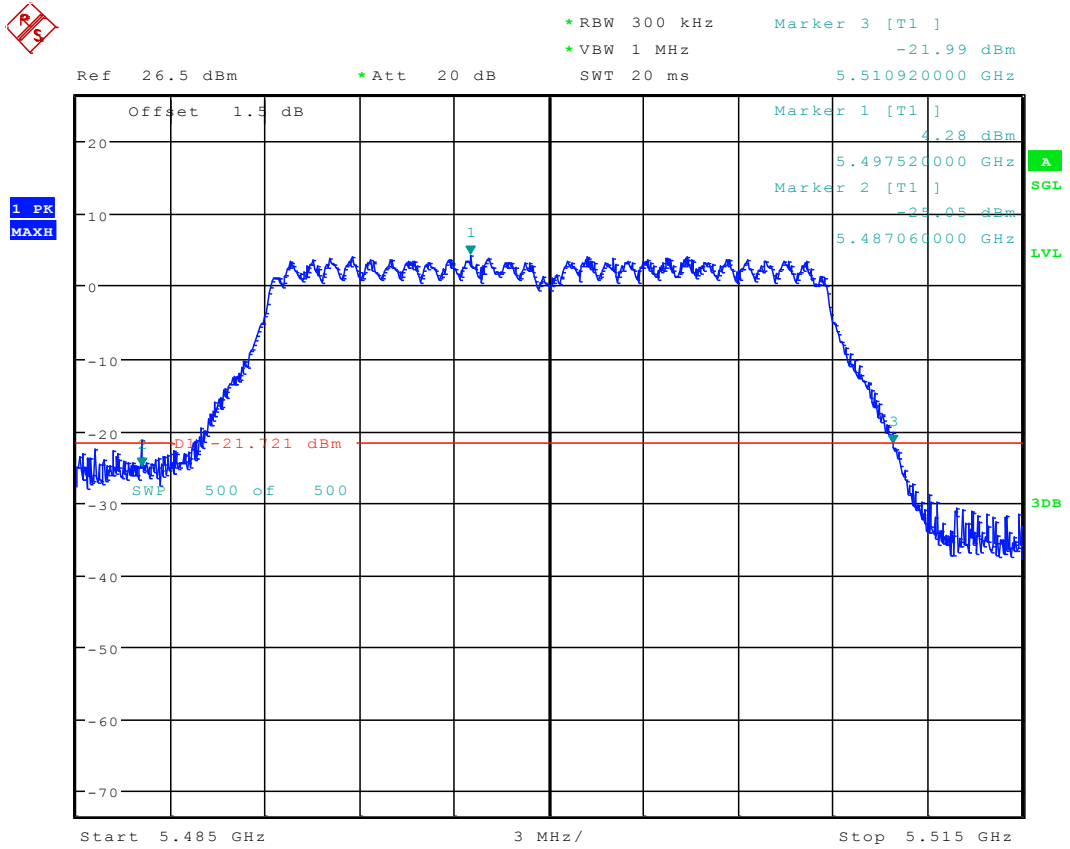
Date: 9.AUG.2017 14:38:11

### 3.37 11N20MIMO\_100 ANT 1



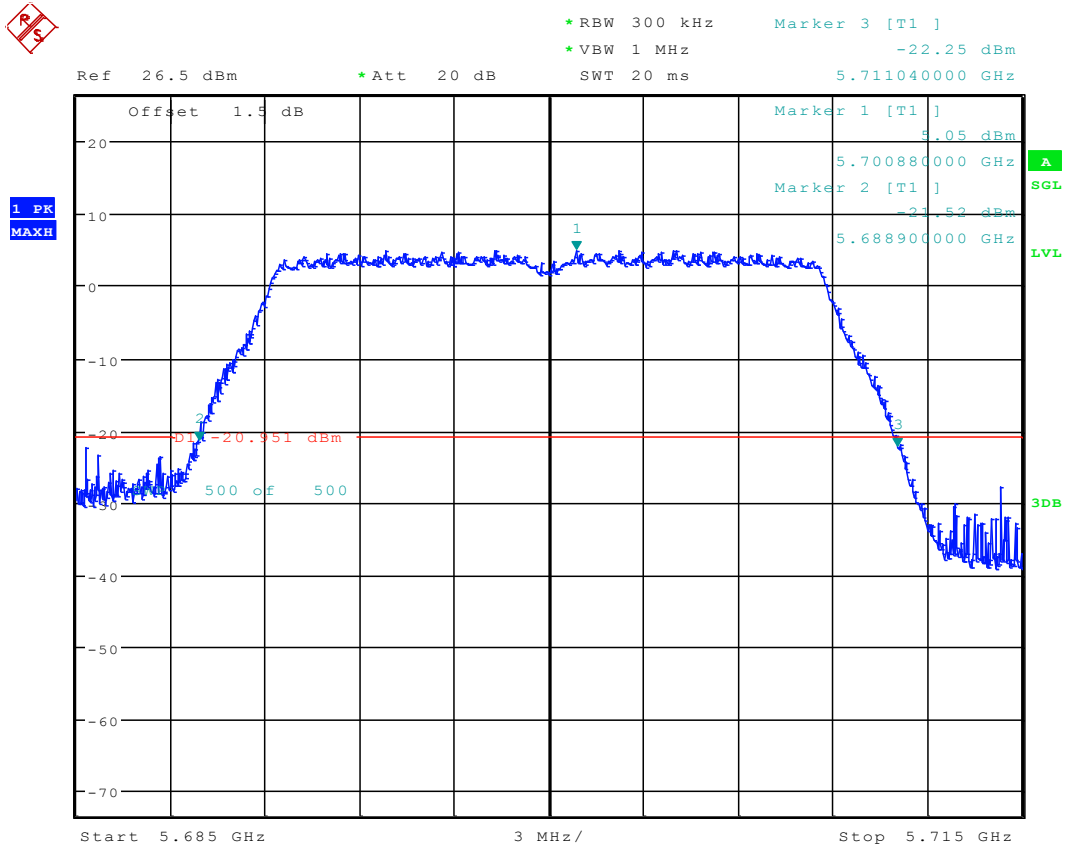
Date: 9.AUG.2017 18:08:10

### 3.38 11N20MIMO\_100 ANT 2



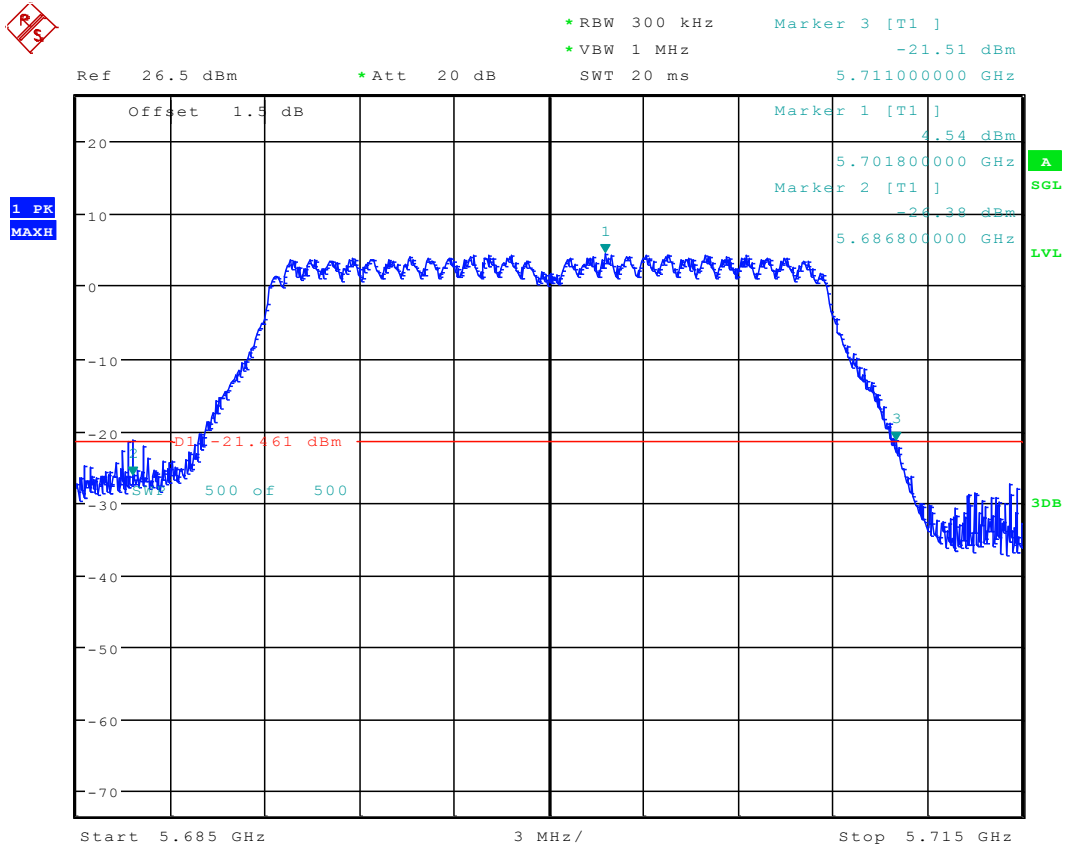
Date: 9.AUG.2017 14:41:03

### 3.39 11N20MIMO\_140 ANT 1



Date: 9.AUG.2017 18:10:48

### 3.40 11N20MIMO\_140 ANT 2



Date: 9.AUG.2017 14:44:34

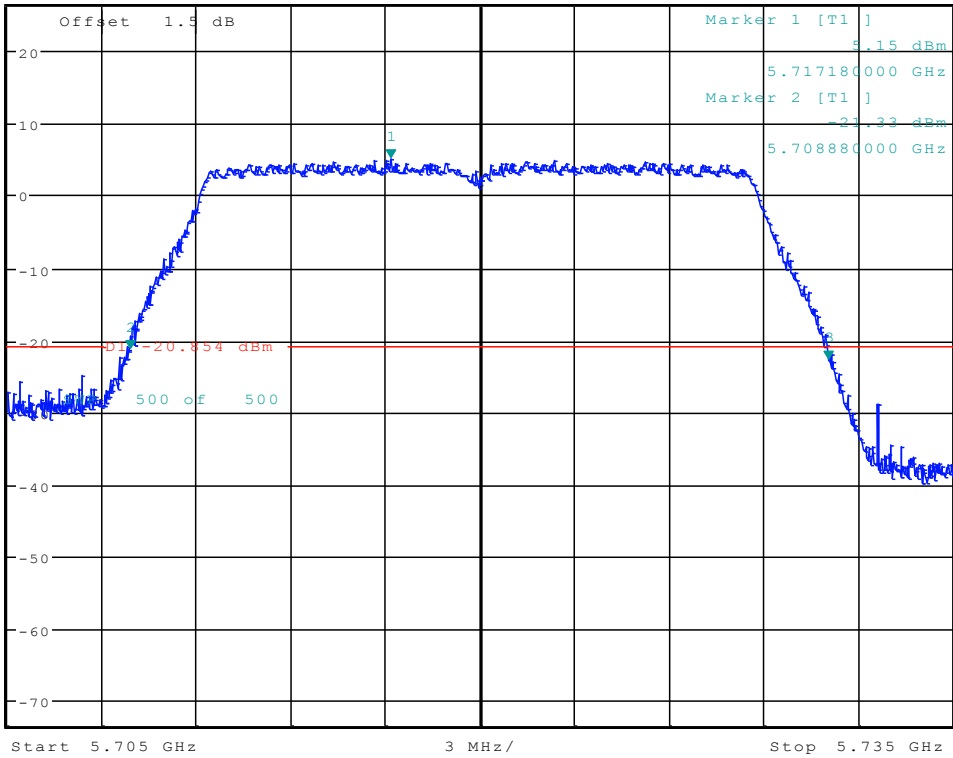
### 3.41 11N20MIMO\_144 ANT 1



\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -22.67 dBm  
 SWT 20 ms      5.731060000 GHz

Ref 26.5 dBm      \*Att 20 dB

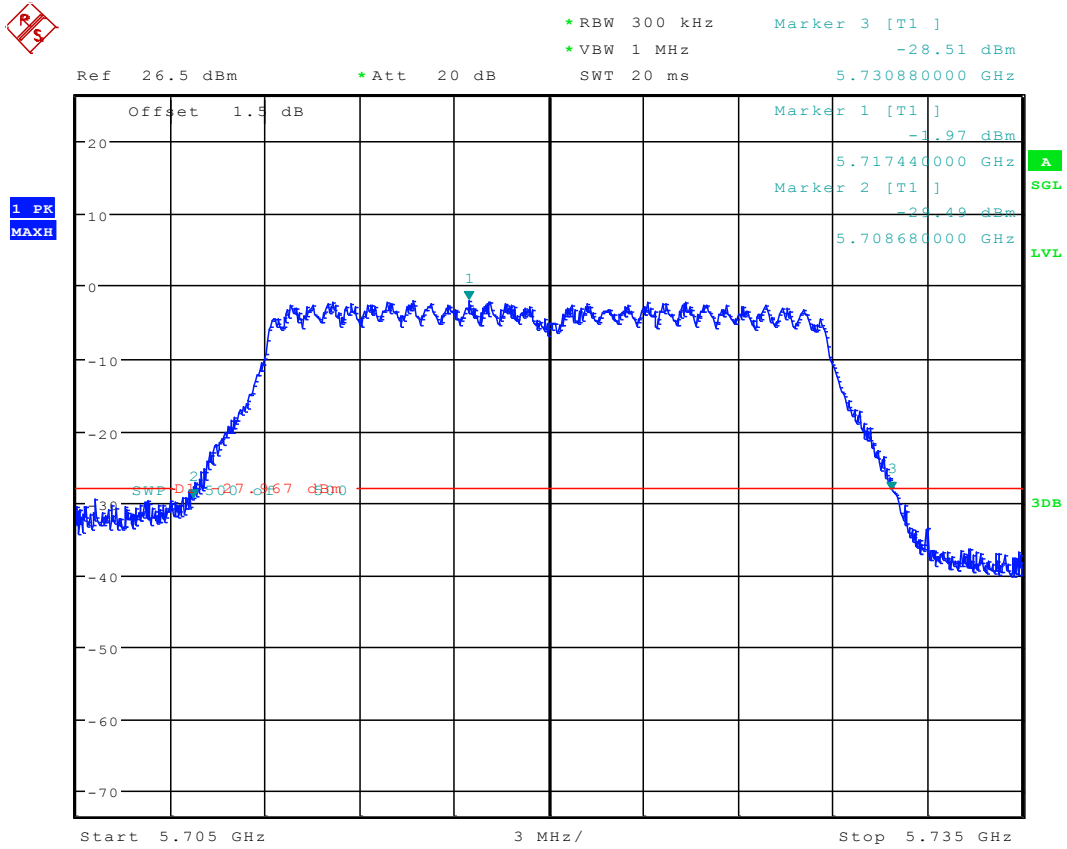
1 PK  
MAXH



Date: 16.SEP.2017 10:57:42

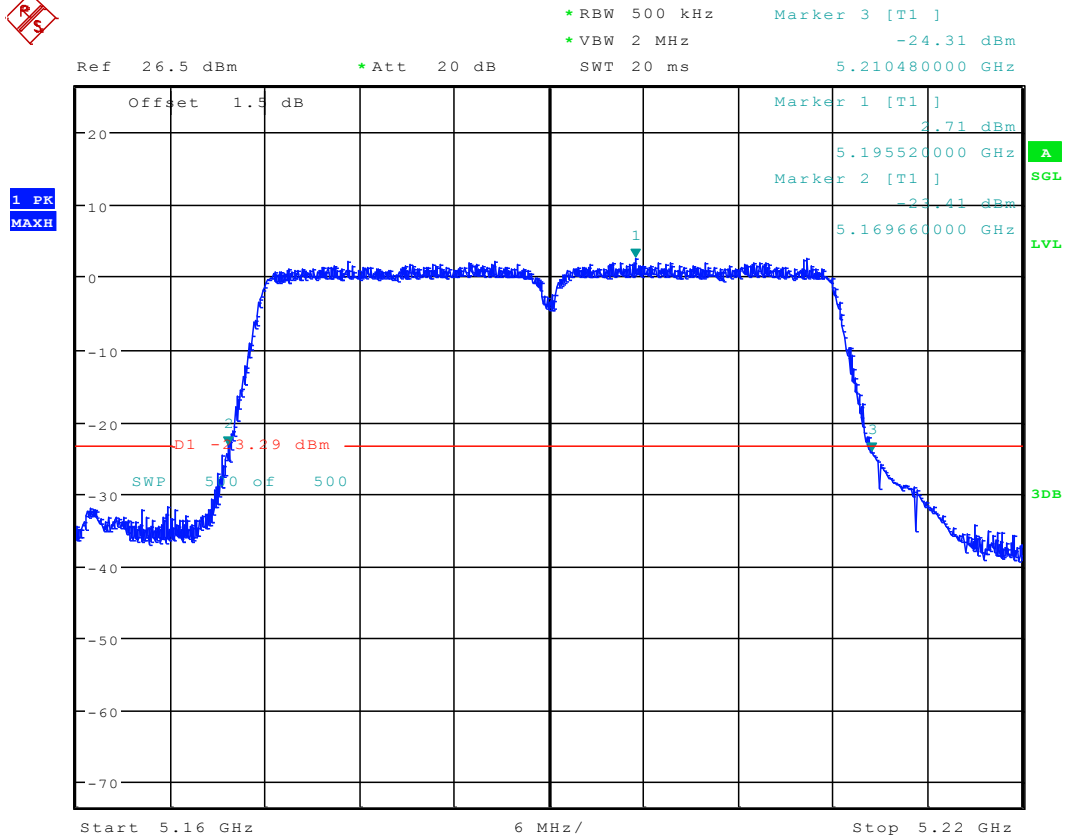


### 3.42 11N20MIMO\_144 ANT 2



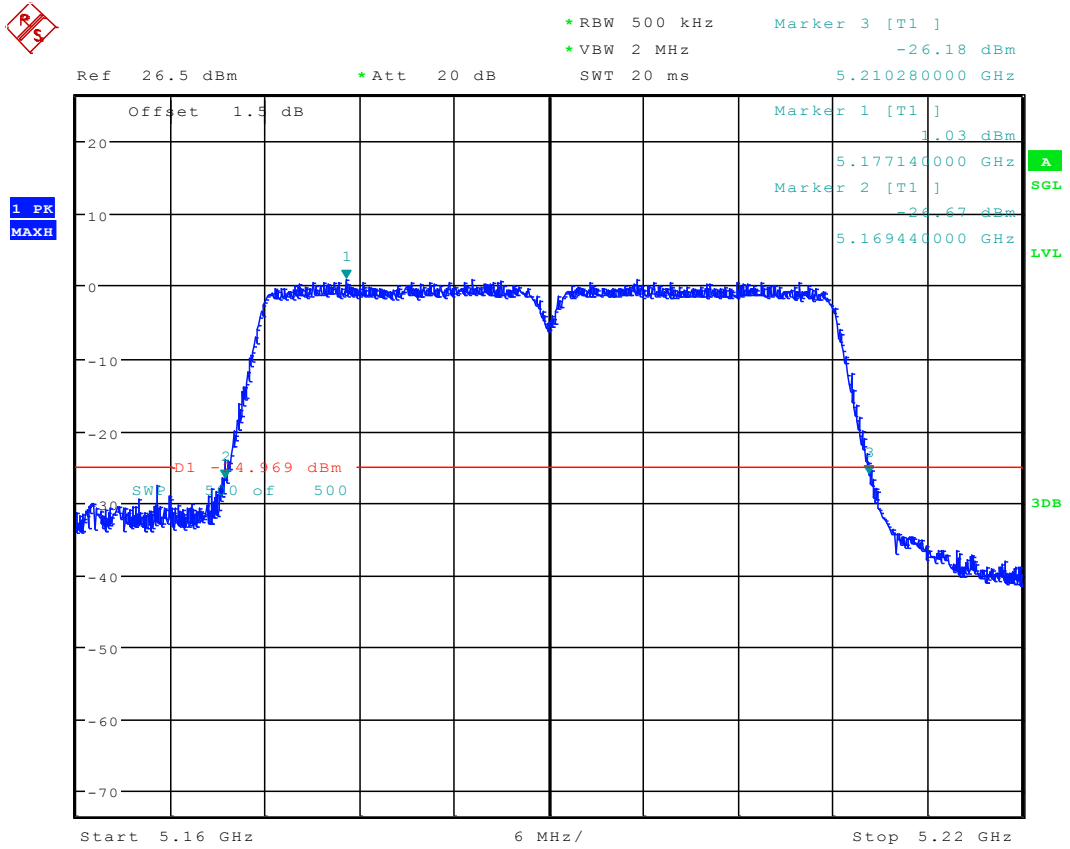
Date: 16.SEP.2017 11:21:37

### 3.43 11N40\_38 ANT 1



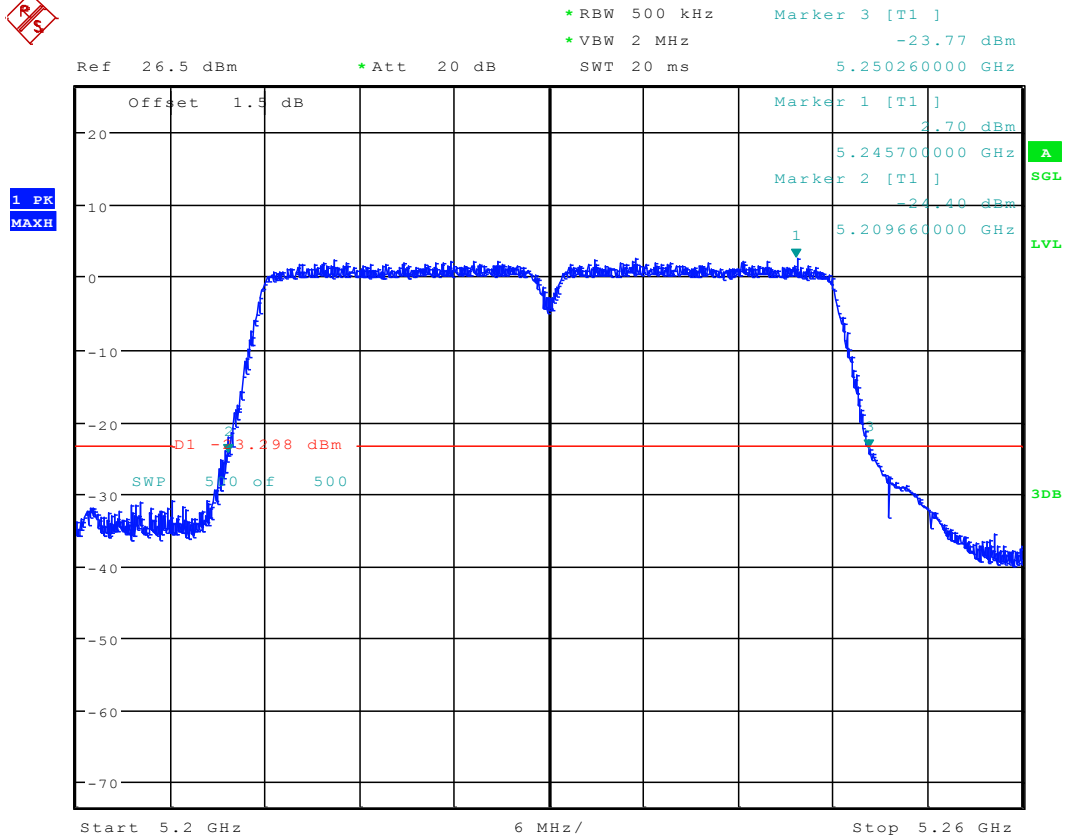
Date: 7.AUG.2017 10:18:16

### 3.44 11N40\_38 ANT 2



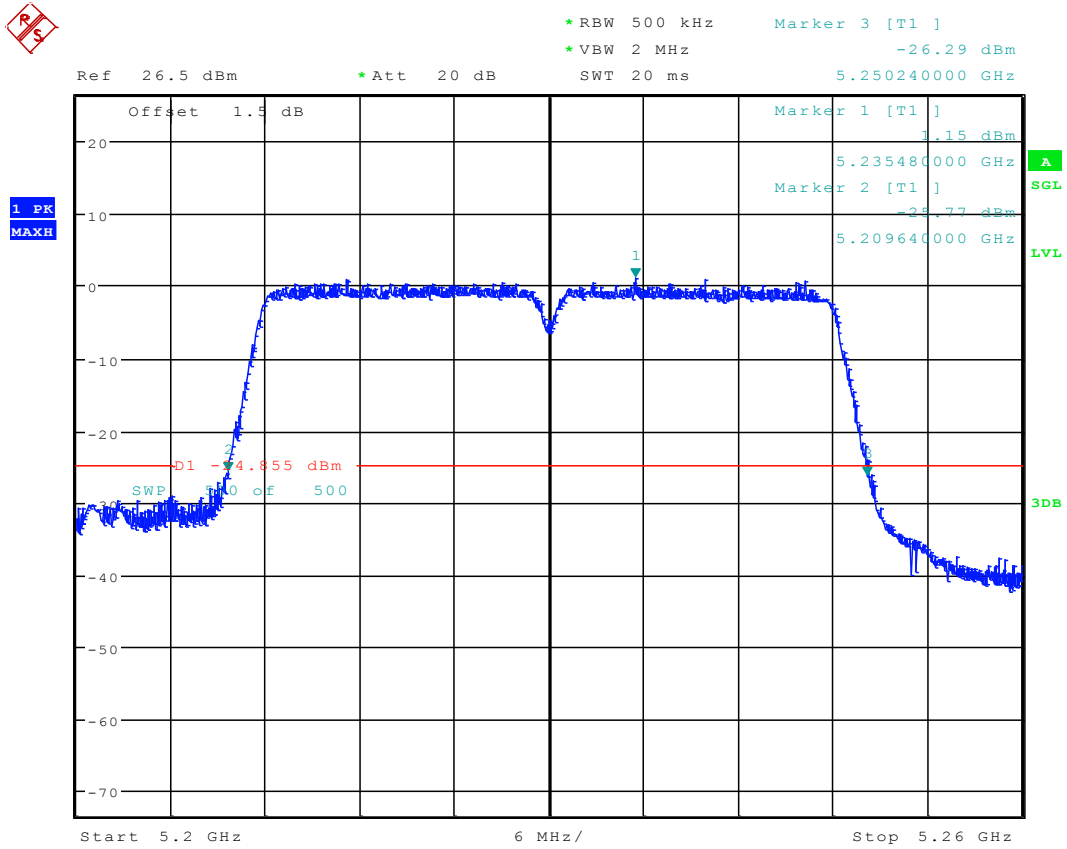
Date: 7.AUG.2017 15:06:48

### 3.45 11N40\_46 ANT 1



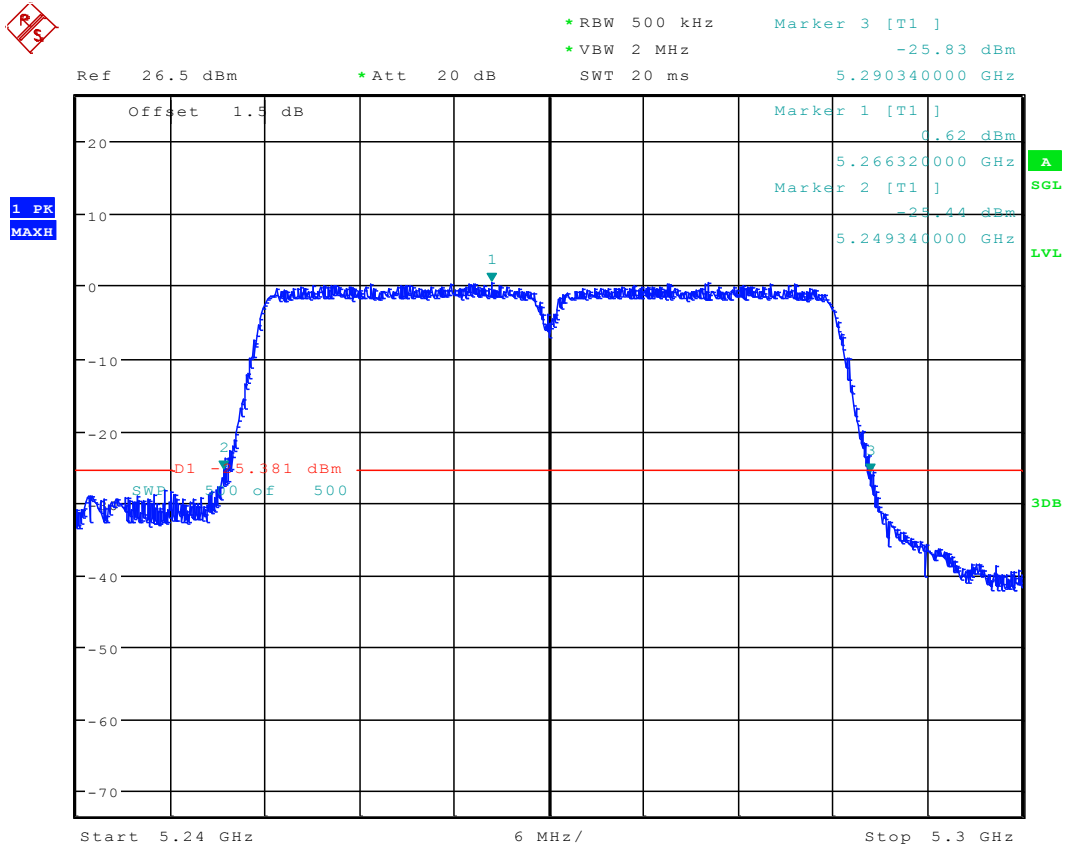
Date: 7.AUG.2017 10:21:00

### 3.46 11N40\_46 ANT 2



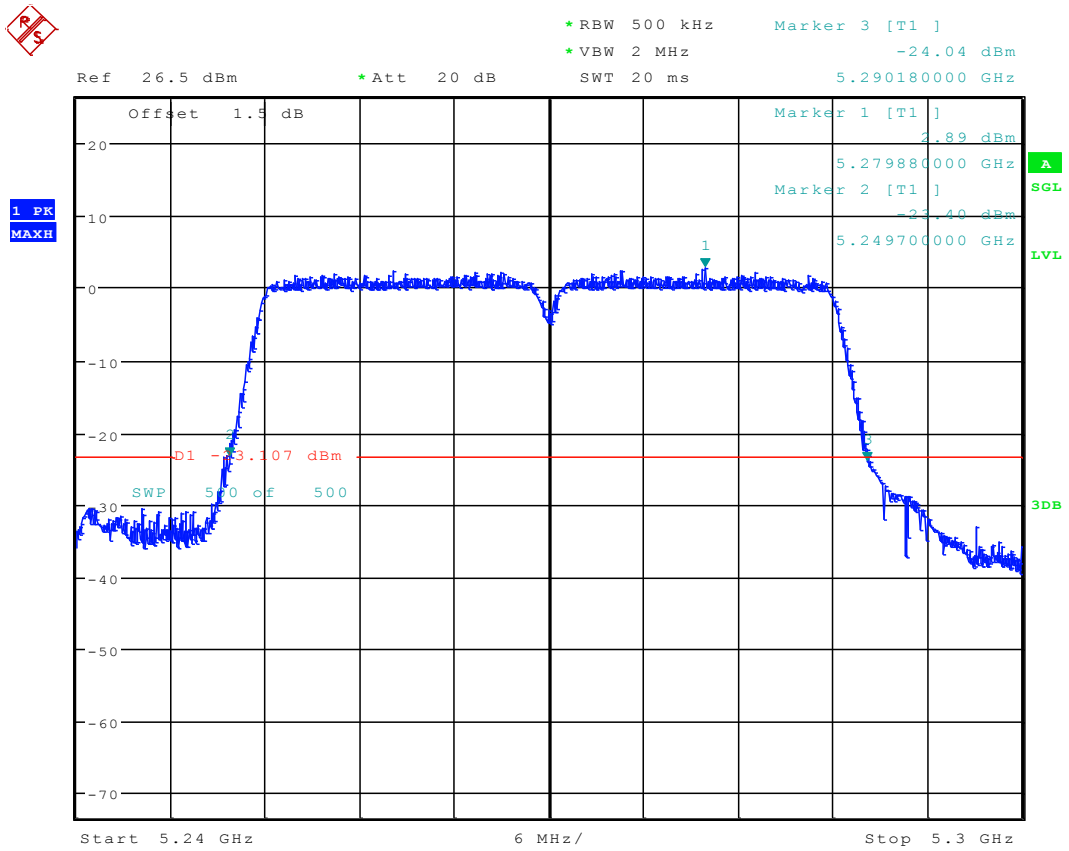
Date: 7.AUG.2017 15:13:47

### 3.47 11N40\_54 ANT 1



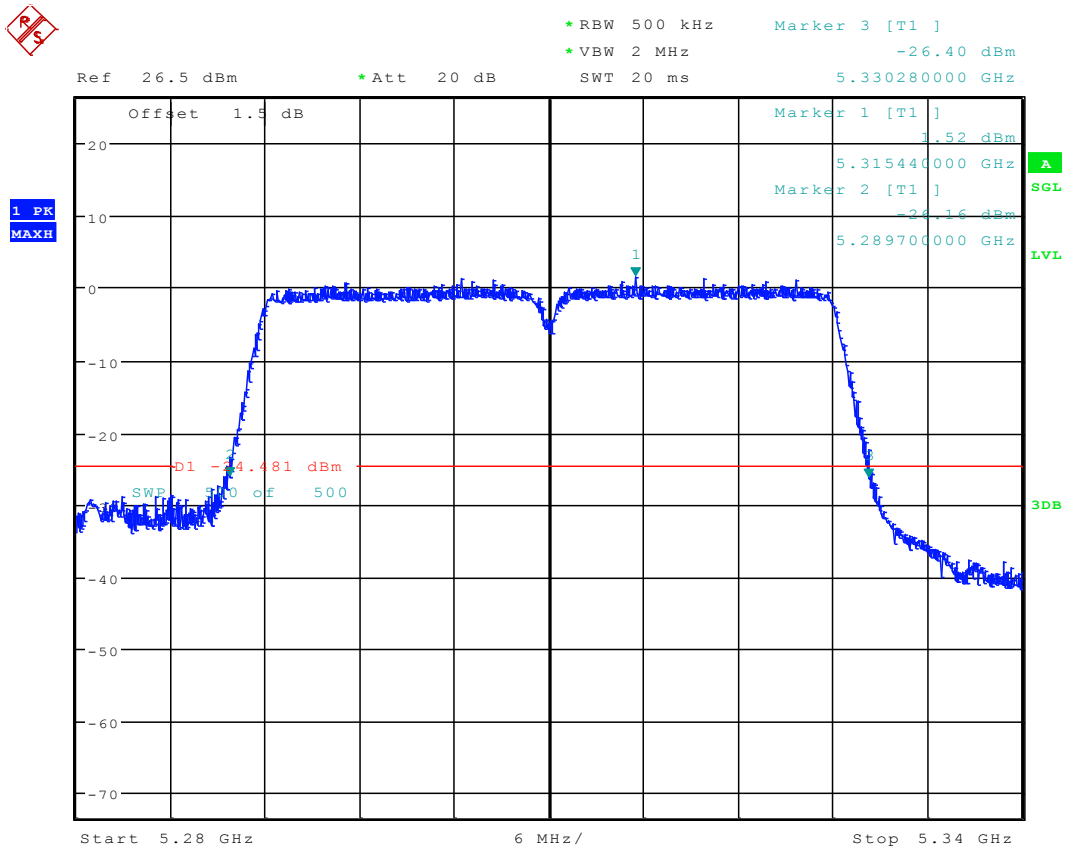
Date: 7.AUG.2017 15:17:40

## 3.48 11N40\_54 ANT 2



Date: 7.AUG.2017 10:24:29

## 3.49 11N40\_62 ANT 1



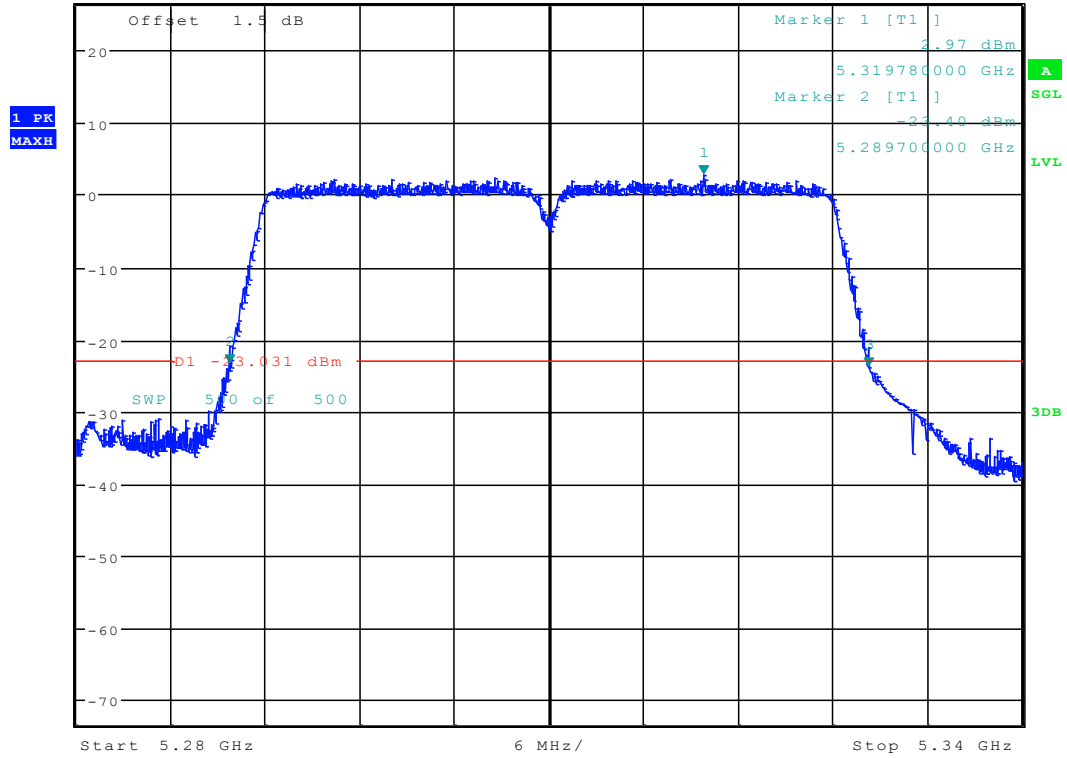
Date: 7.AUG.2017 15:20:41



### 3.50 11N40\_62 ANT 2

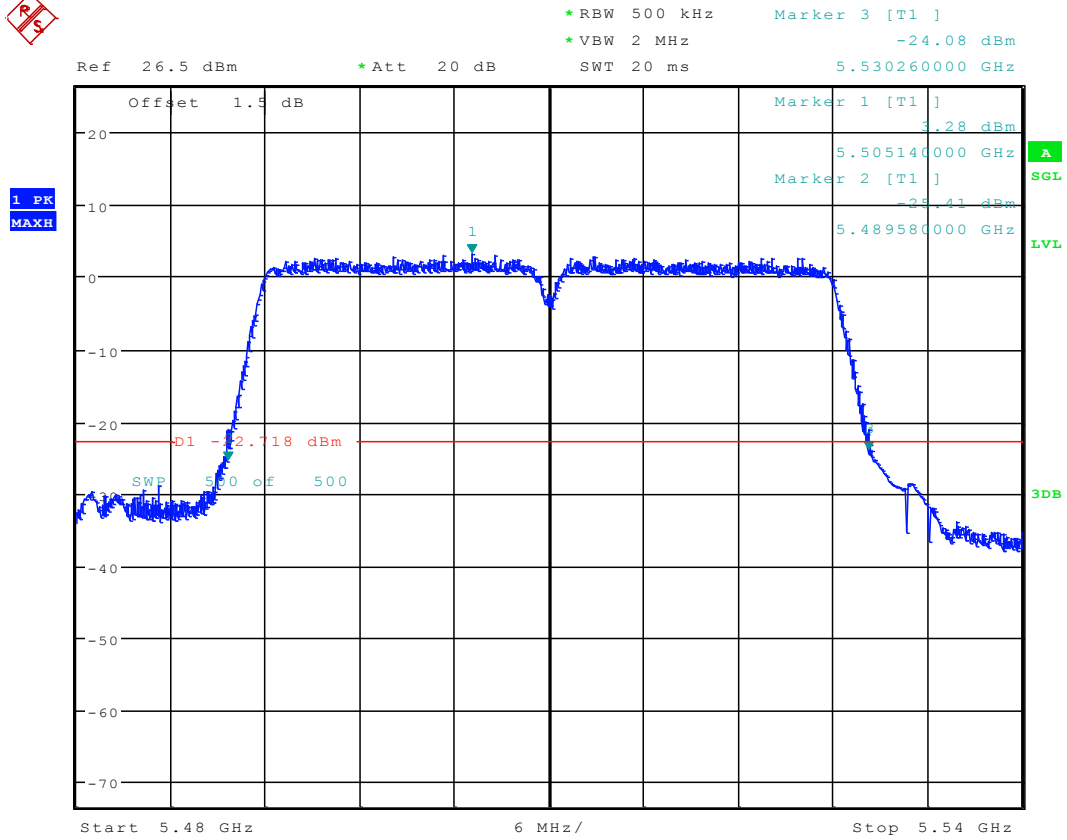


\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -23.89 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.330300000 GHz



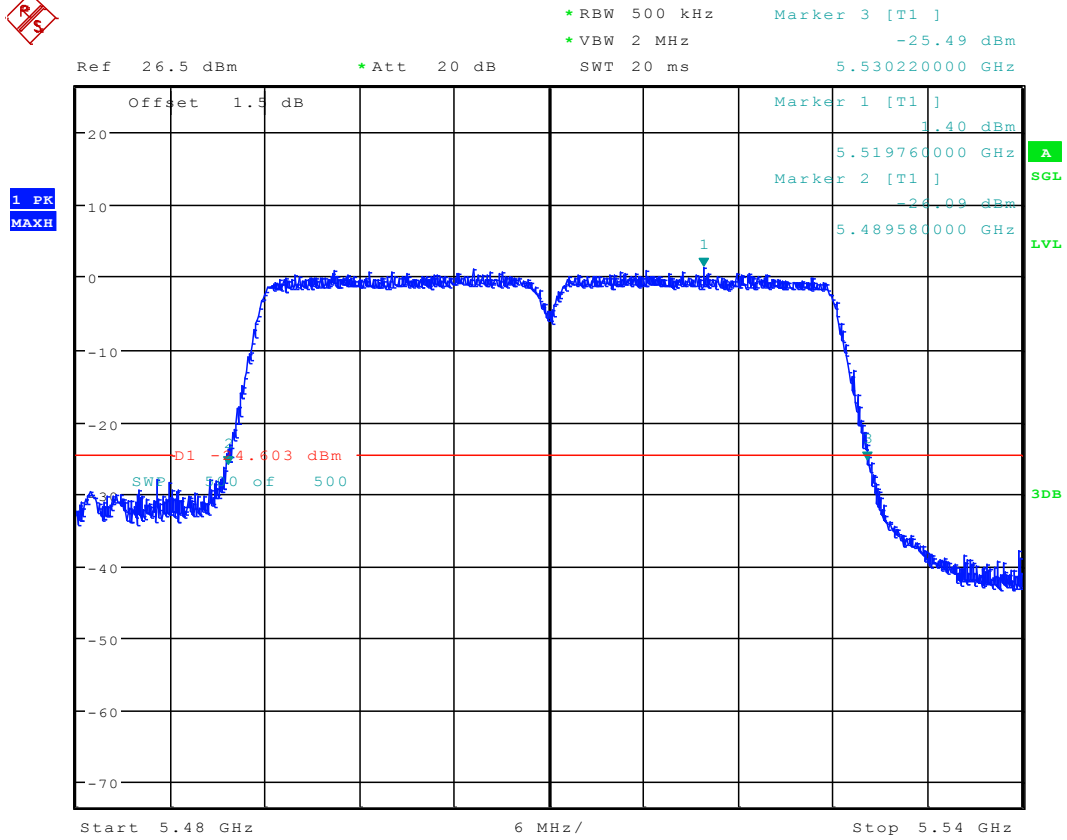
Date: 7.AUG.2017 10:27:11

### 3.51 11N40\_102 ANT 1



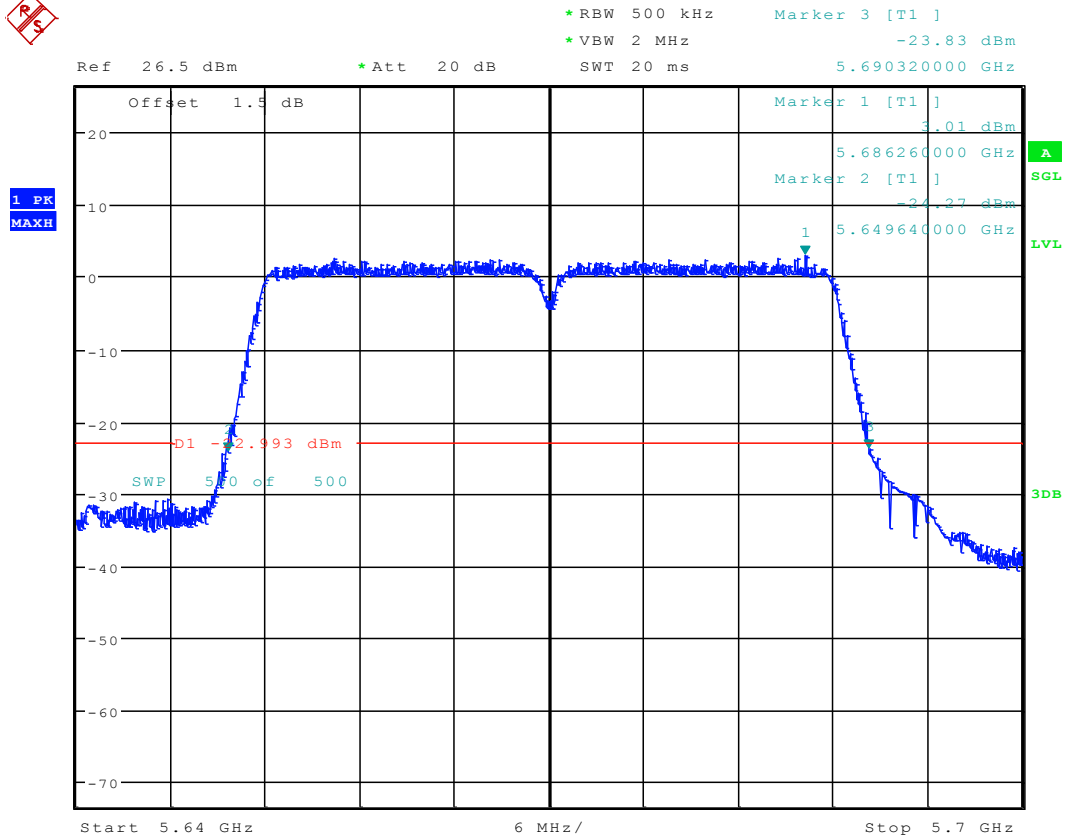
Date: 7.AUG.2017 10:33:01

### 3.52 11N40\_102 ANT 2



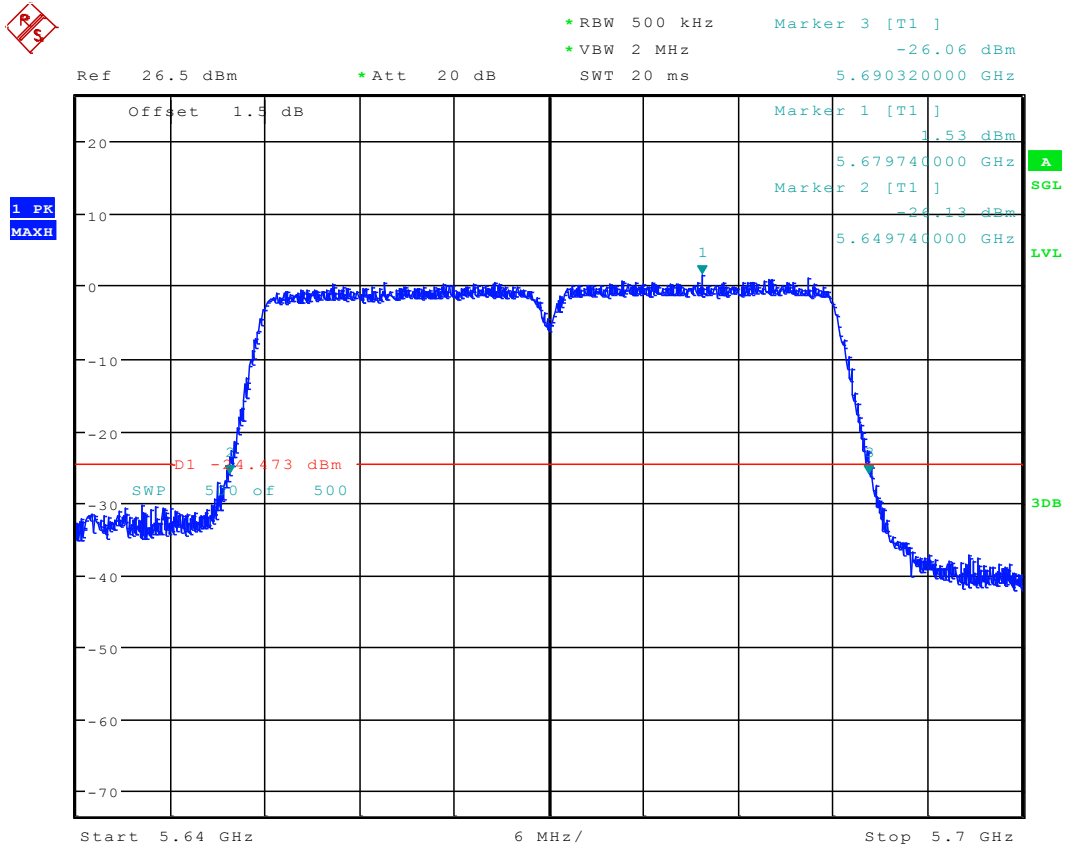
Date: 7.AUG.2017 15:24:03

### 3.53 11N40\_134 ANT 1



Date: 7.AUG.2017 10:36:00

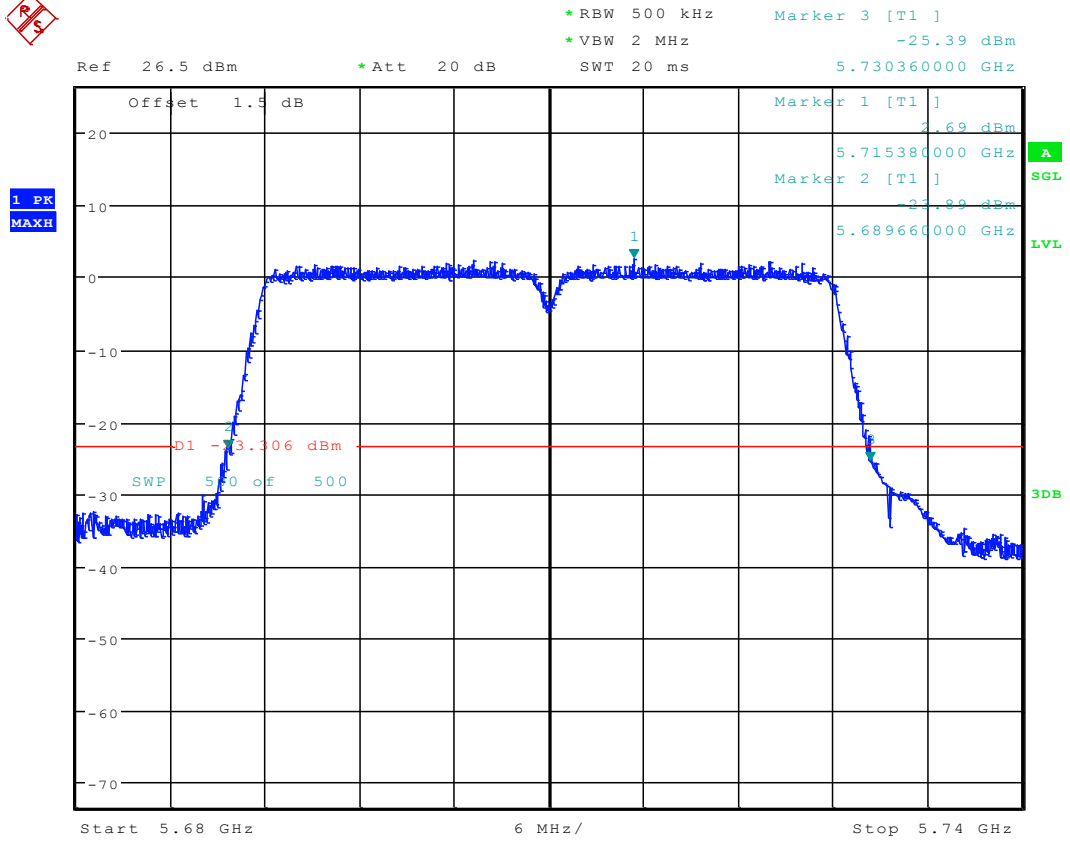
## 3.54 11N40\_134 ANT 2



Date: 7.AUG.2017 15:38:43

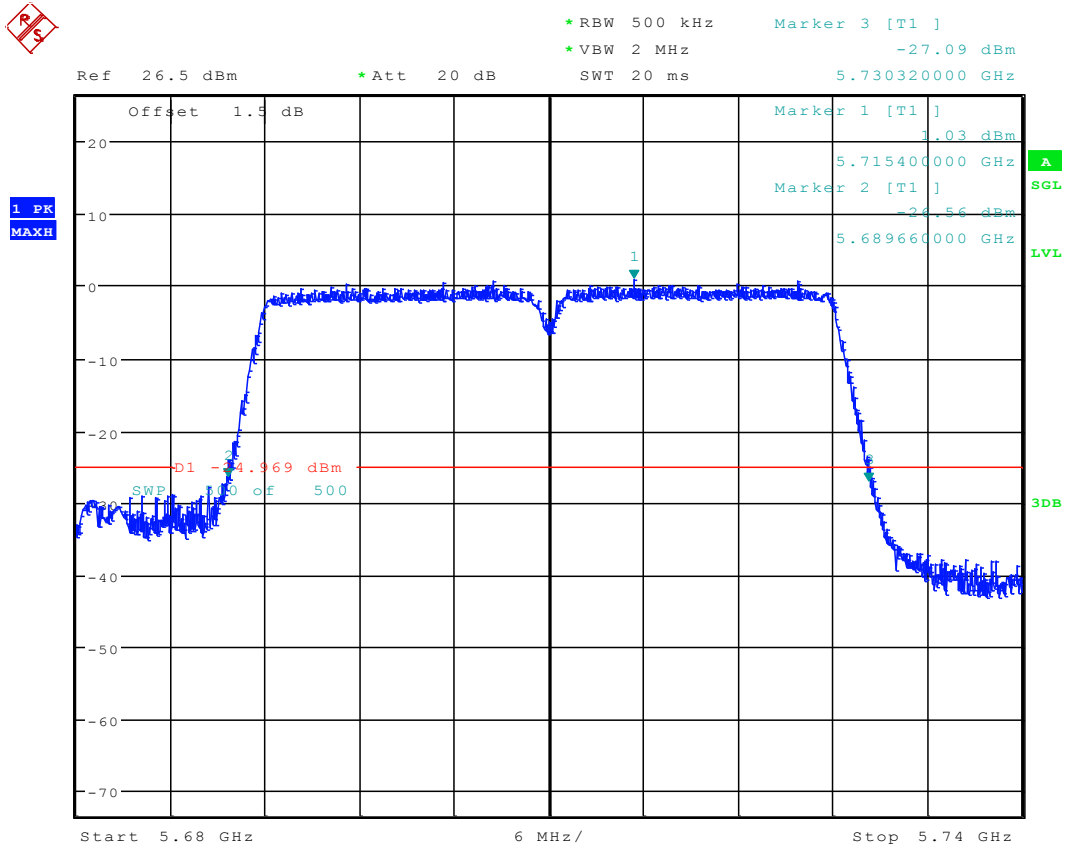


### 3.55 11N40\_142 ANT 1



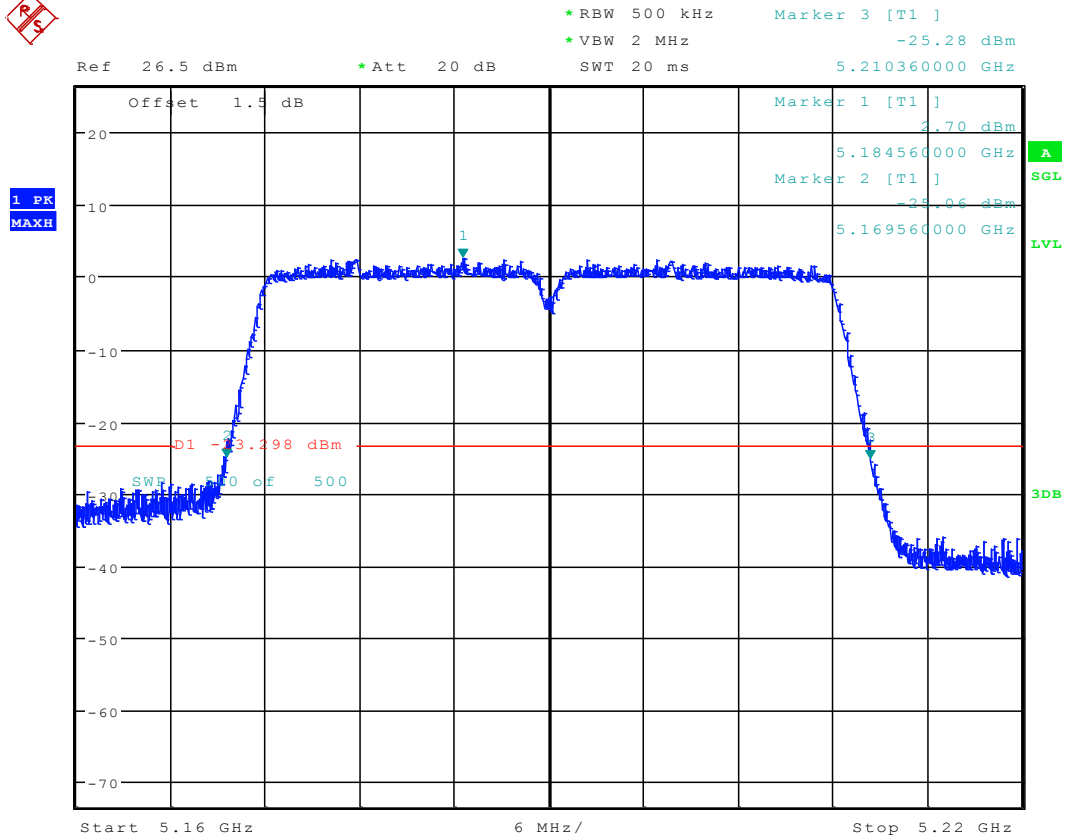
Date: 16.SEP.2017 10:03:54

### 3.56 11N40\_142 ANT 2



Date: 16.SEP.2017 10:42:18

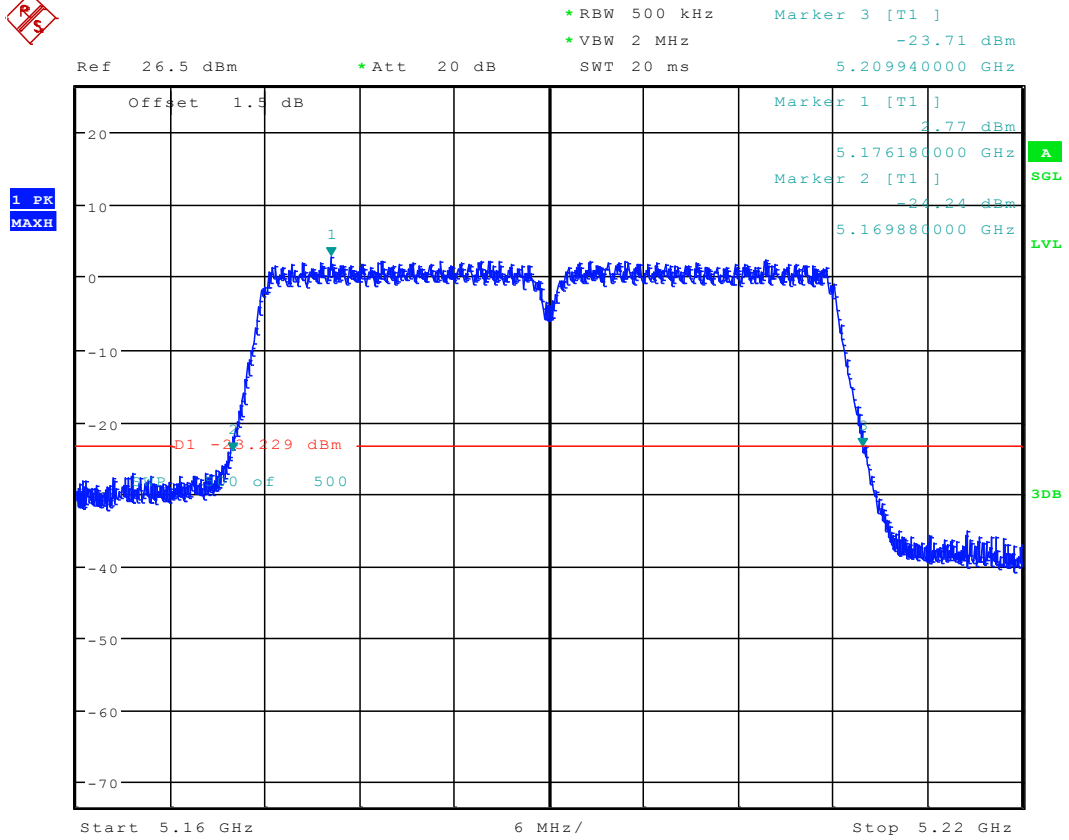
### 3.57 11N40MIMO\_38 ANT 1



Date: 9.AUG.2017 16:50:15

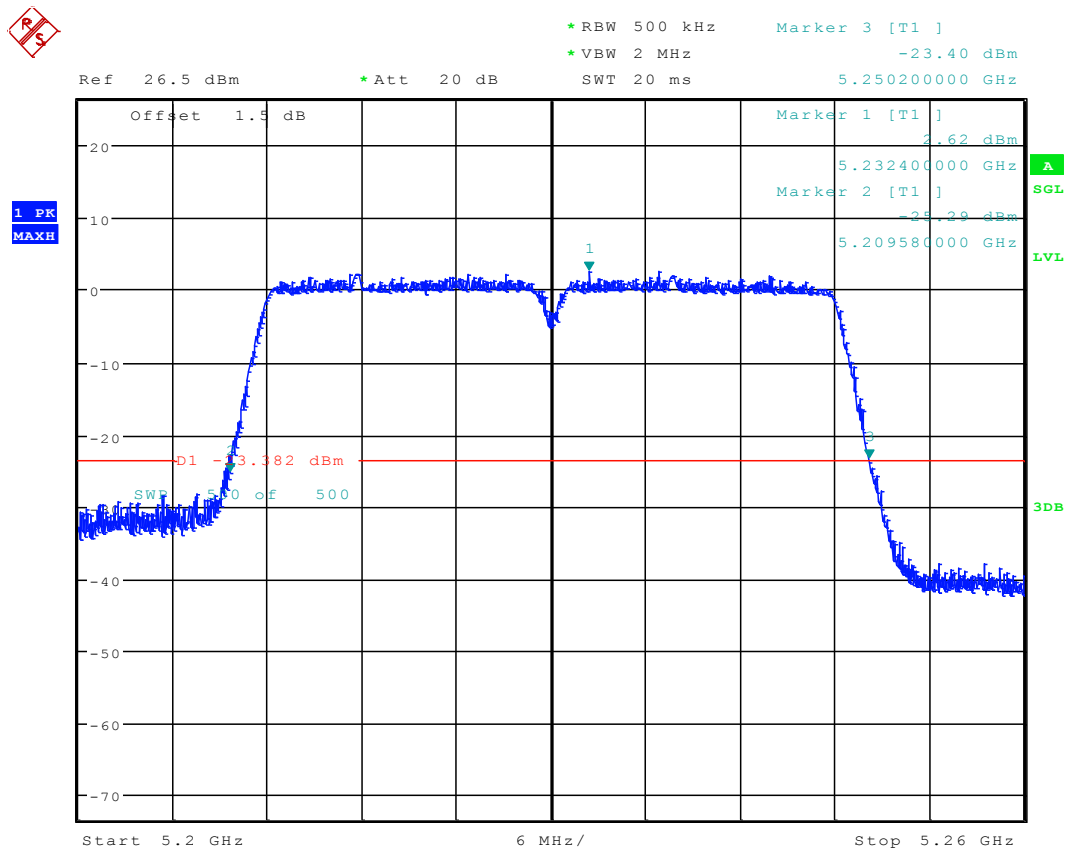


## 3.58 11N40MIMO\_38 ANT 2



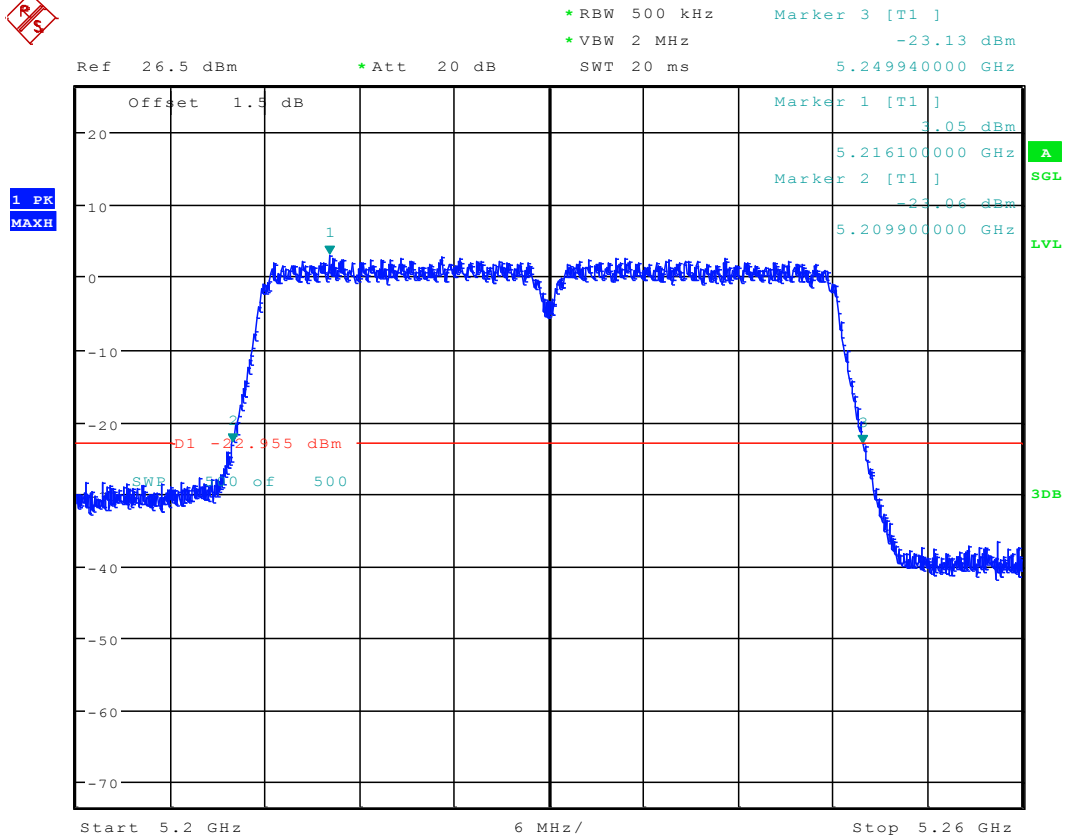
Date: 9.AUG.2017 15:51:44

### 3.59 11N40MIMO\_46 ANT 1



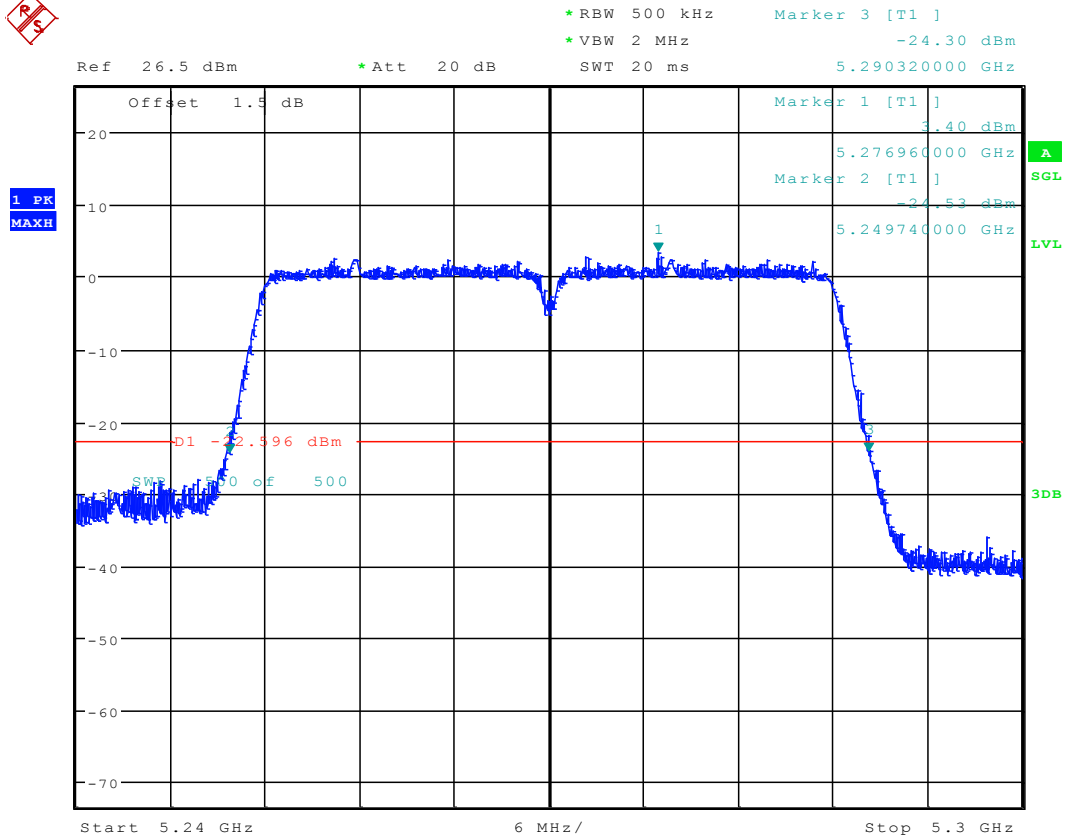
Date: 9.AUG.2017 16:52:58

### 3.60 11N40MIMO\_46 ANT 2



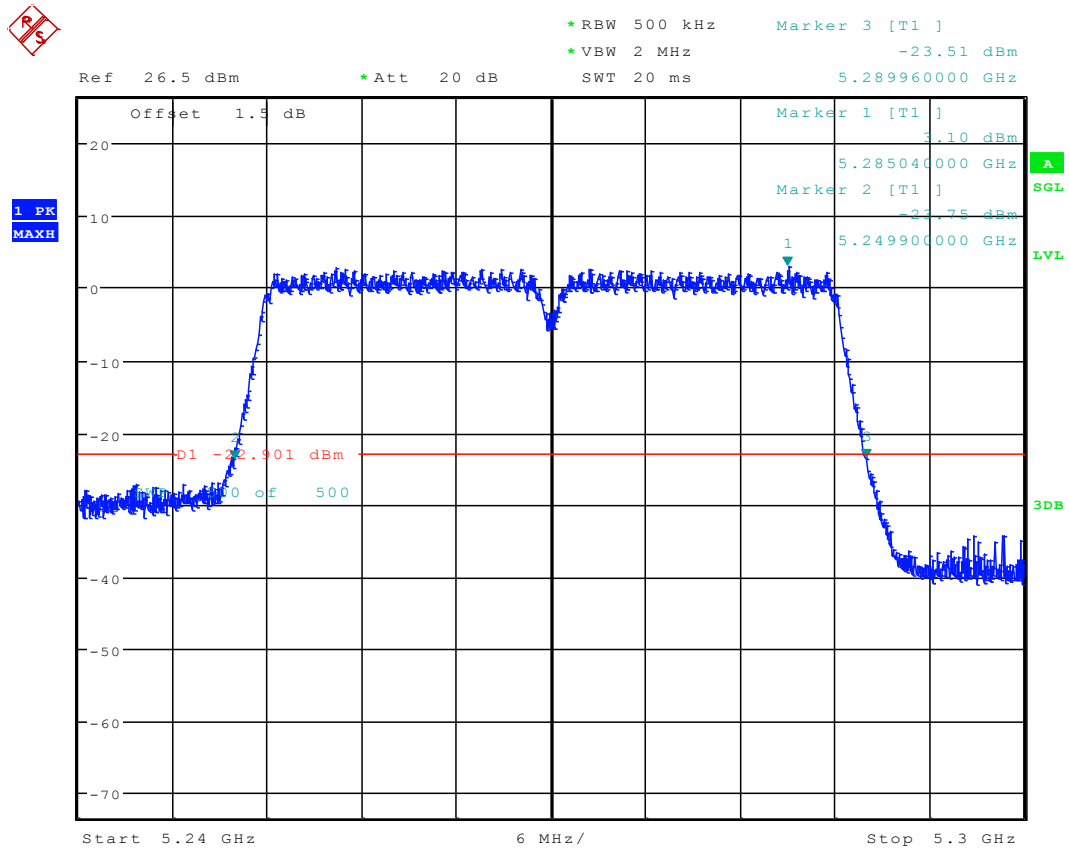
Date: 9.AUG.2017 15:54:34

## 3.61 11N40MIMO\_54 ANT 1



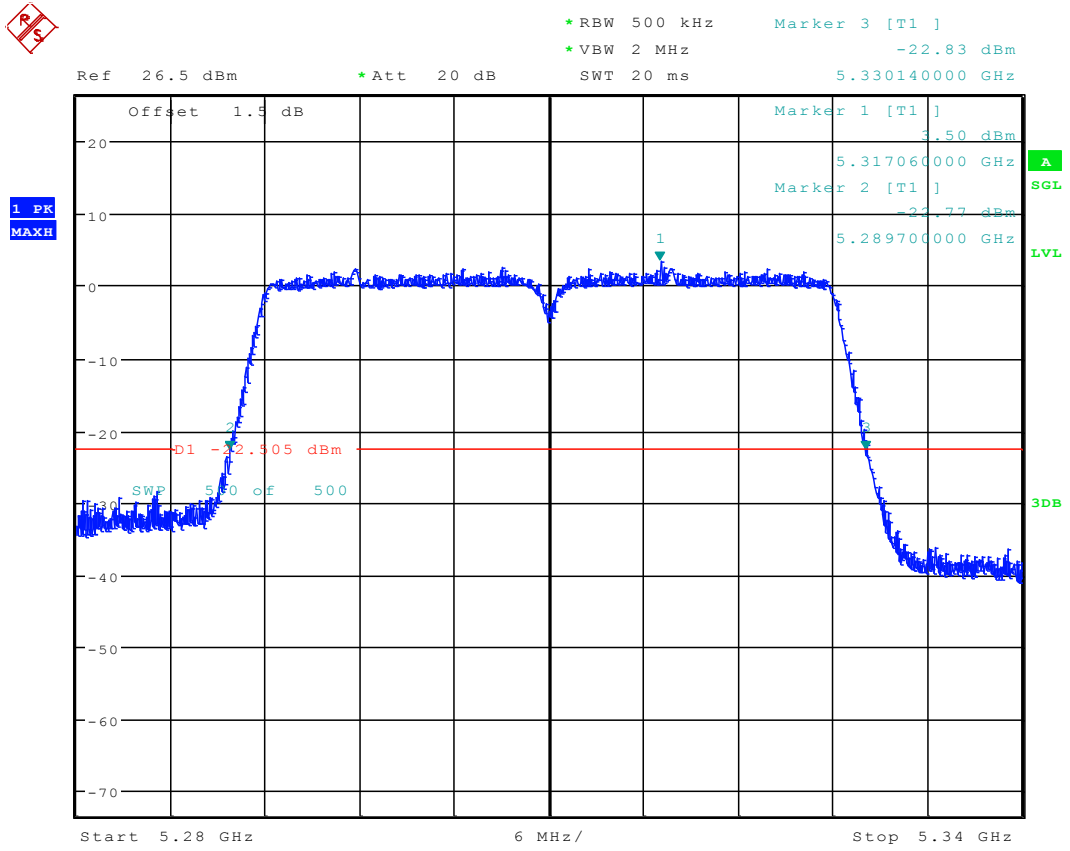
Date: 9.AUG.2017 16:56:14

### 3.62 11N40MIMO\_54 ANT 2



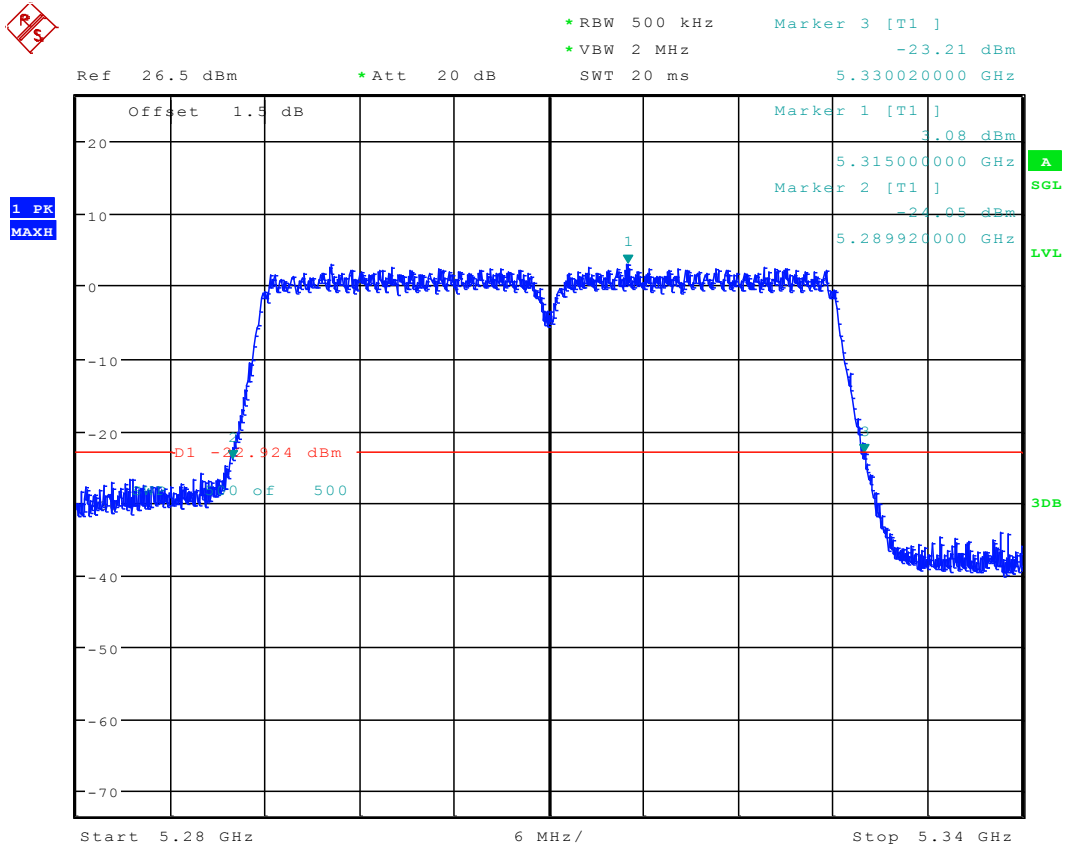
Date: 9.AUG.2017 15:57:32

### 3.63 11N40MIMO\_62 ANT 1



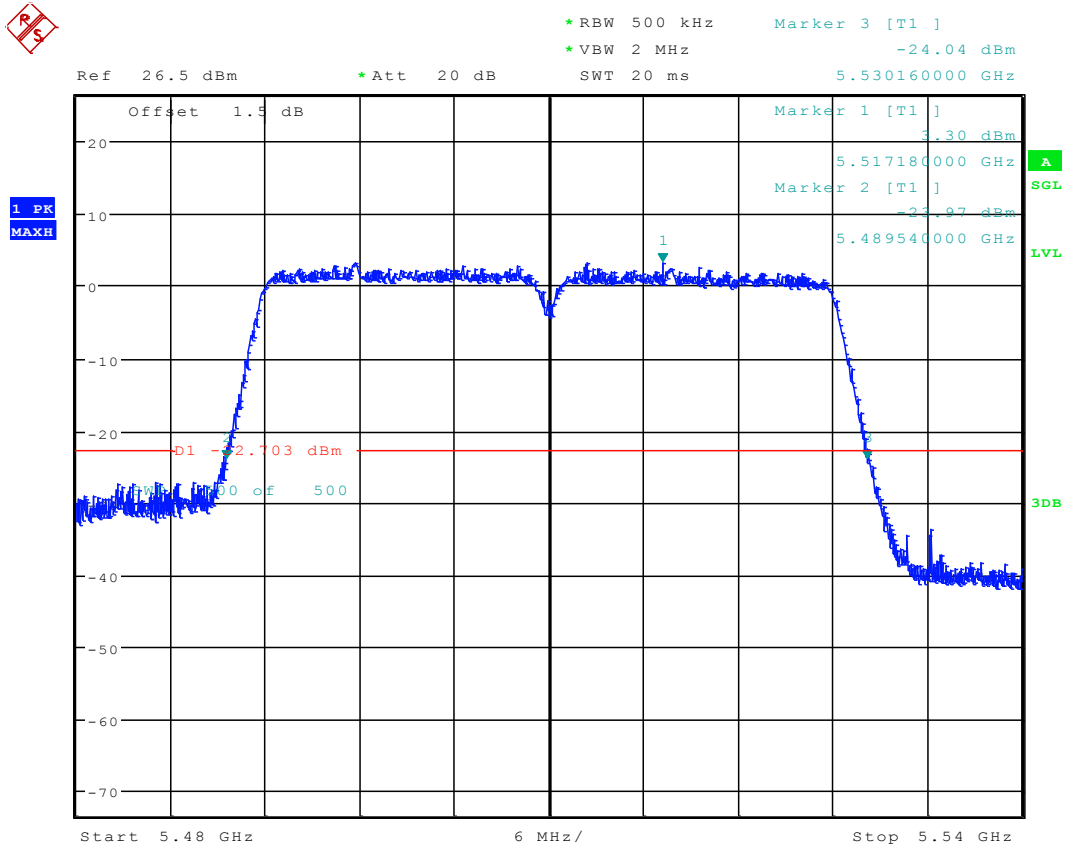
Date: 9.AUG.2017 16:58:55

### 3.64 11N40MIMO\_62 ANT 2



Date: 9.AUG.2017 16:00:07

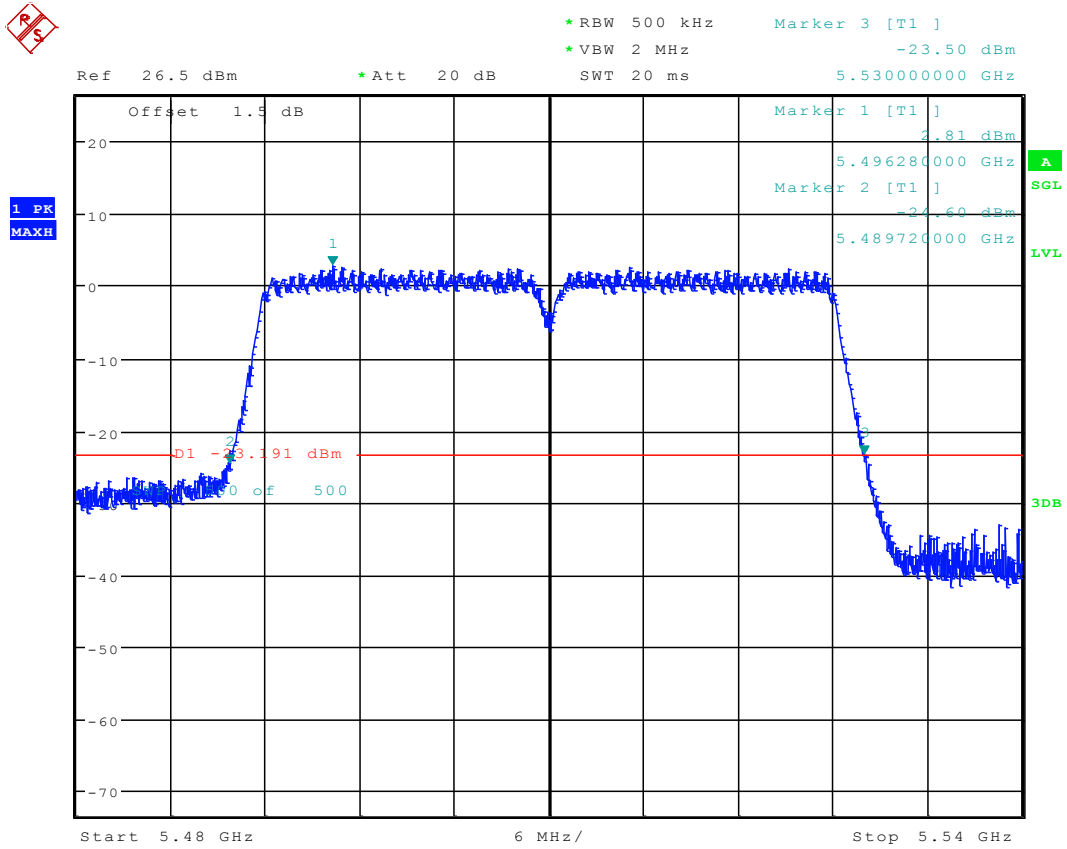
### 3.65 11N40MIMO\_102 ANT 1



Date: 9.AUG.2017 17:01:48

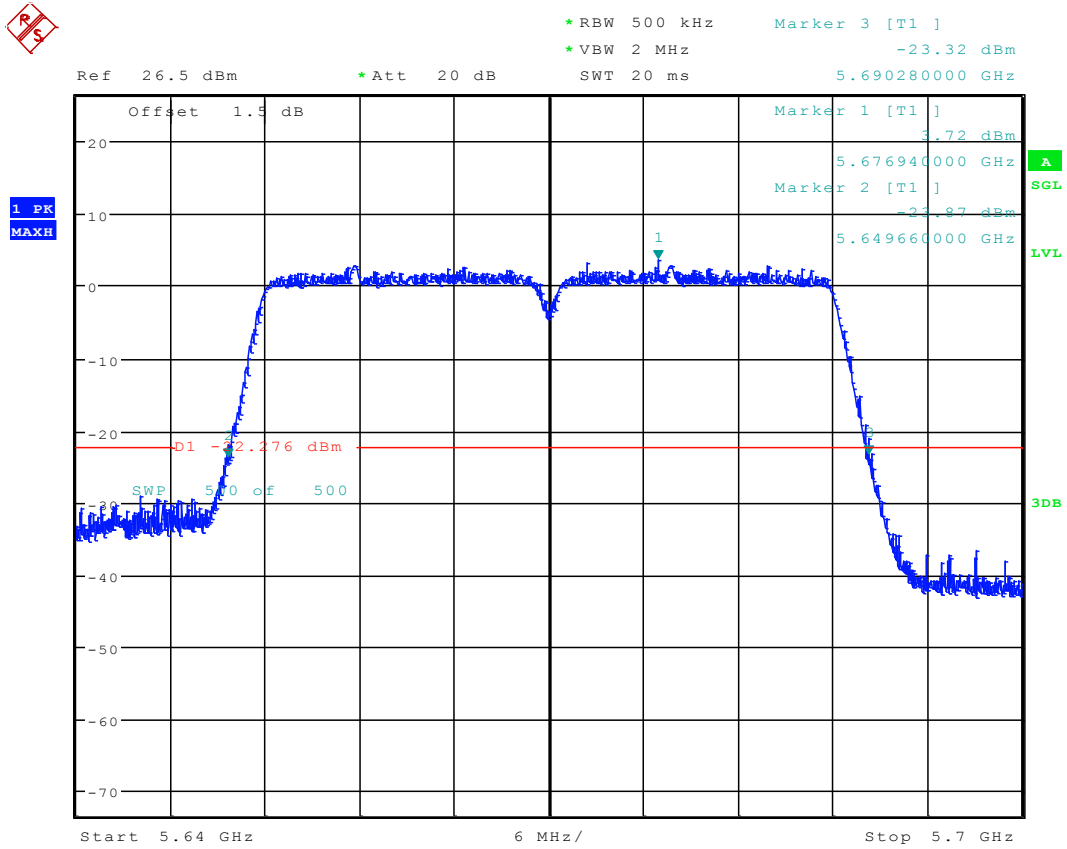


### 3.66 11N40MIMO\_102 ANT 2



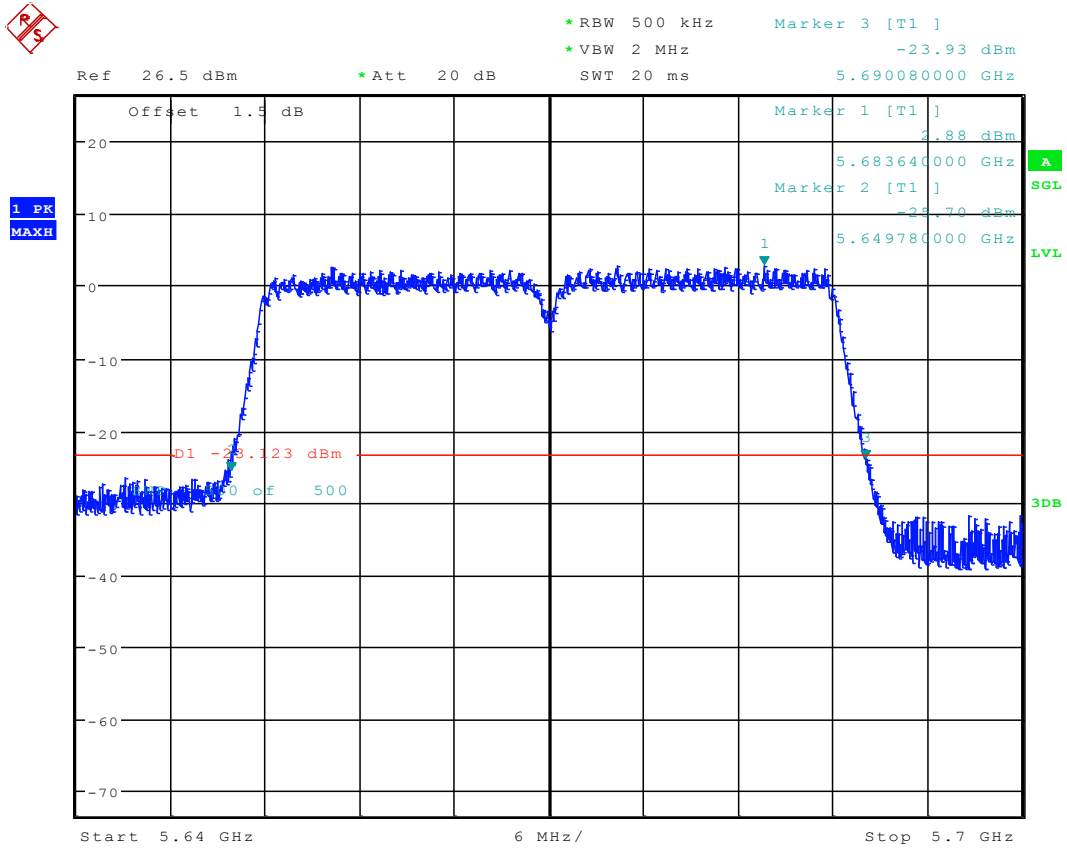
Date: 9.AUG.2017 16:02:55

### 3.67 11N40MIMO\_134 ANT 1



Date: 9.AUG.2017 17:05:29

### 3.68 11N40MIMO\_134 ANT 2

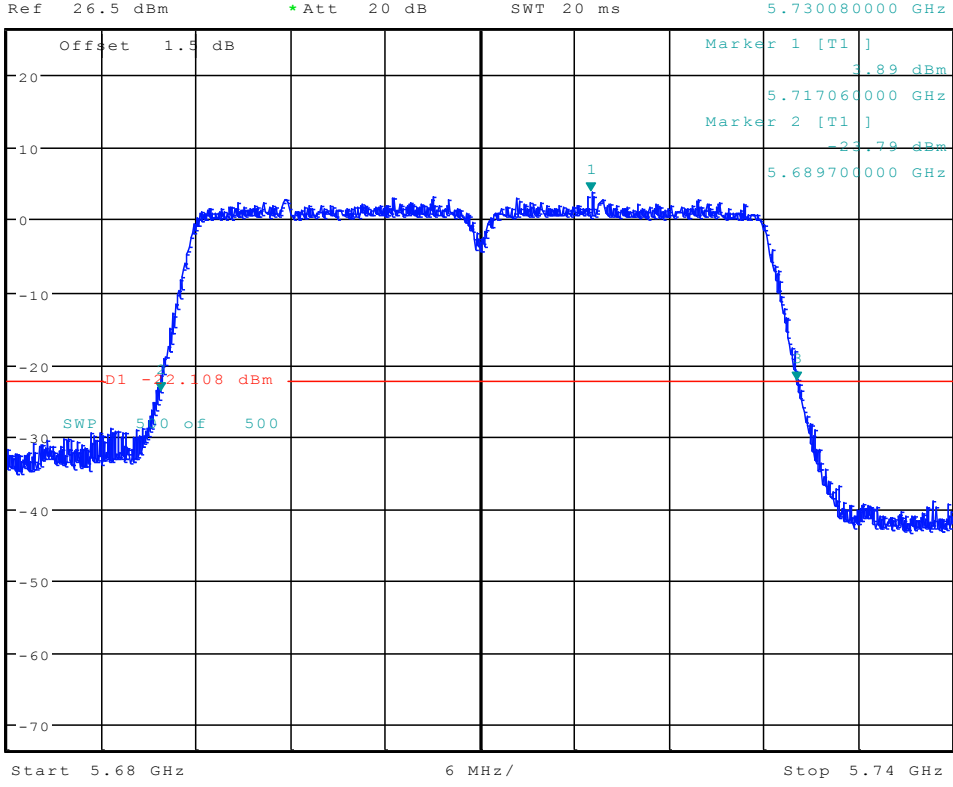


Date: 9.AUG.2017 16:05:33

### 3.69 11N40MIMO\_142 ANT 1

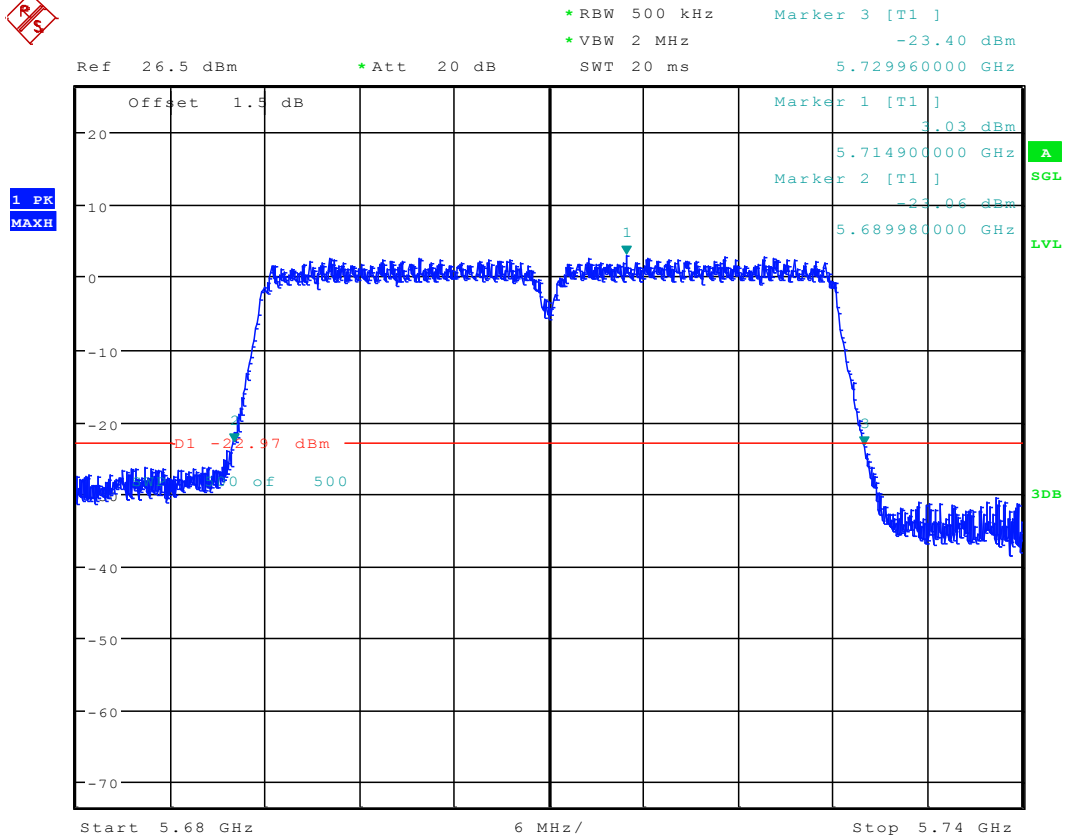


\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -22.33 dBm  
 \*Att 20 dB      5.730080000 GHz  
 SWT 20 ms



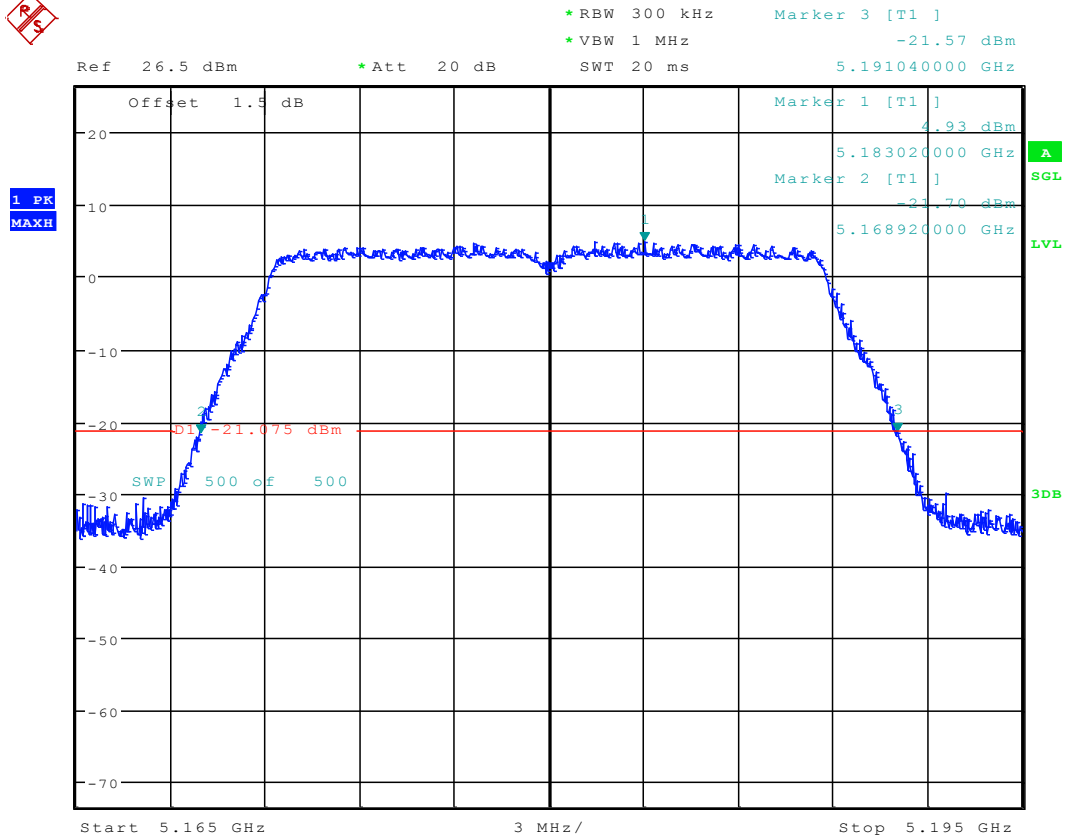
Date: 16.SEP.2017 11:04:22

### 3.70 11N40MIMO\_142 ANT 2



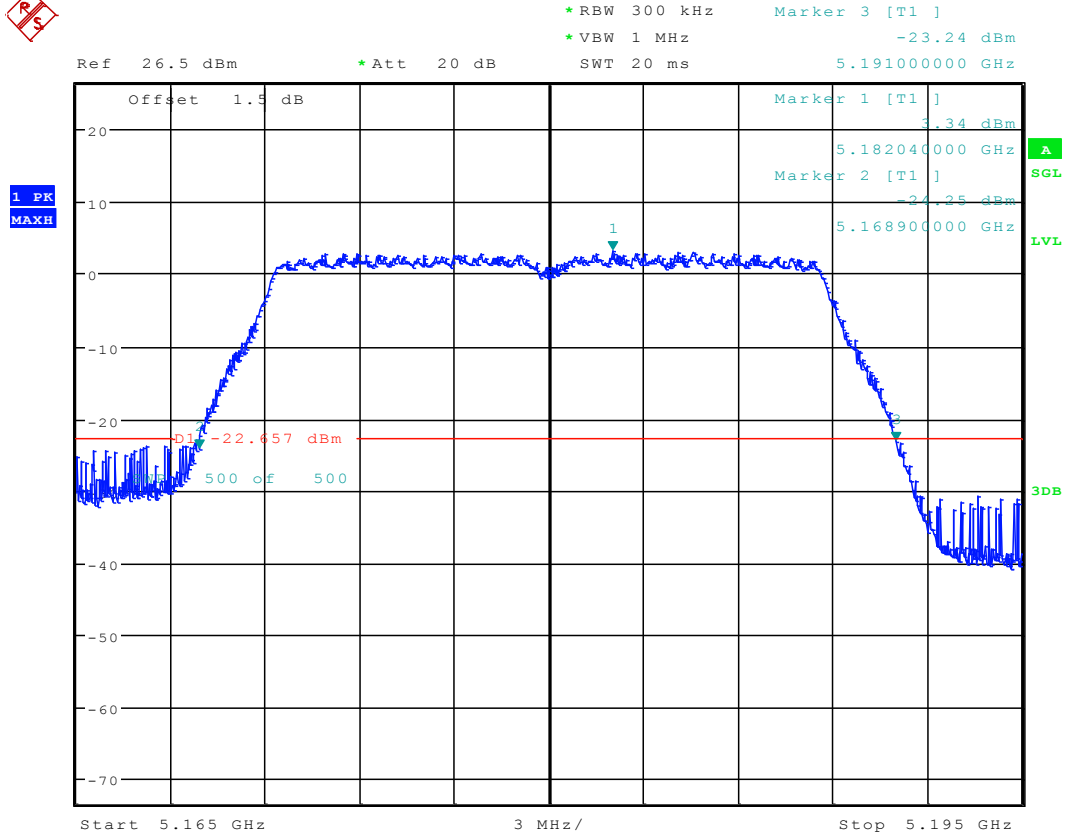
Date: 16.SEP.2017 11:39:10

### 3.71 11AC20\_36 ANT 1



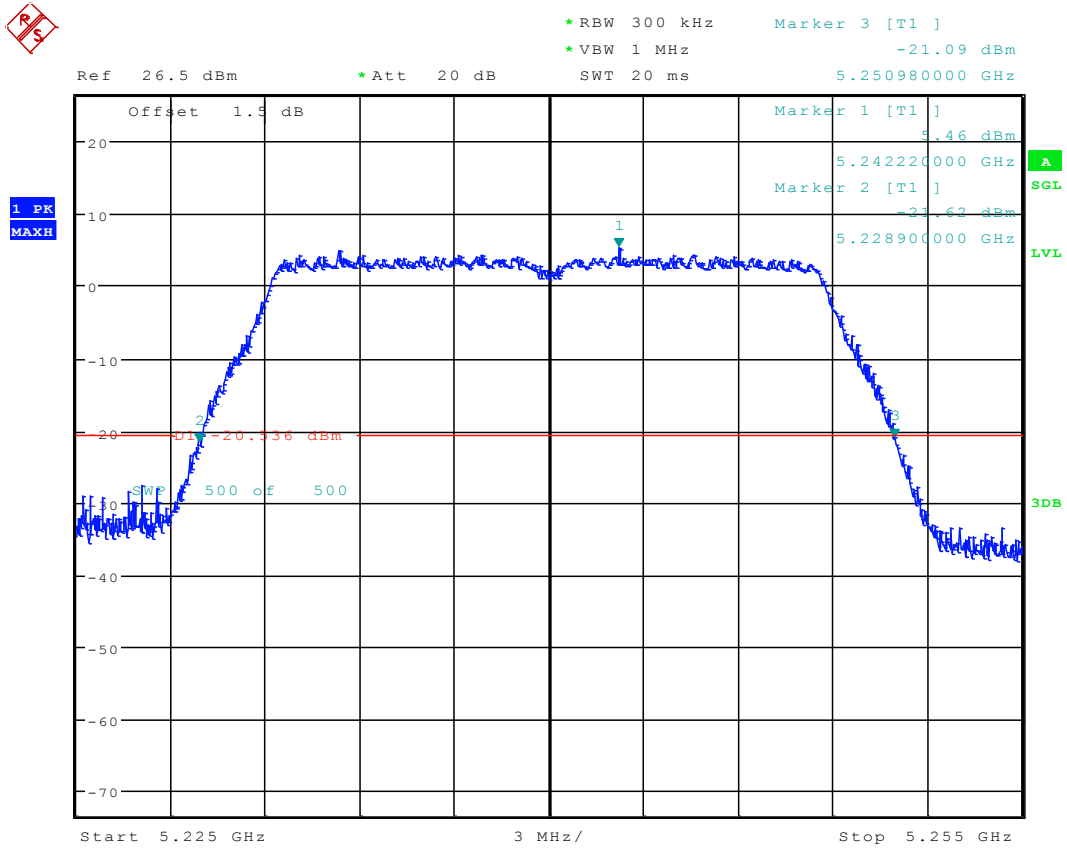
Date: 5.AUG.2017 17:02:48

### 3.72 11AC20\_36 ANT 2



Date: 7.AUG.2017 14:07:46

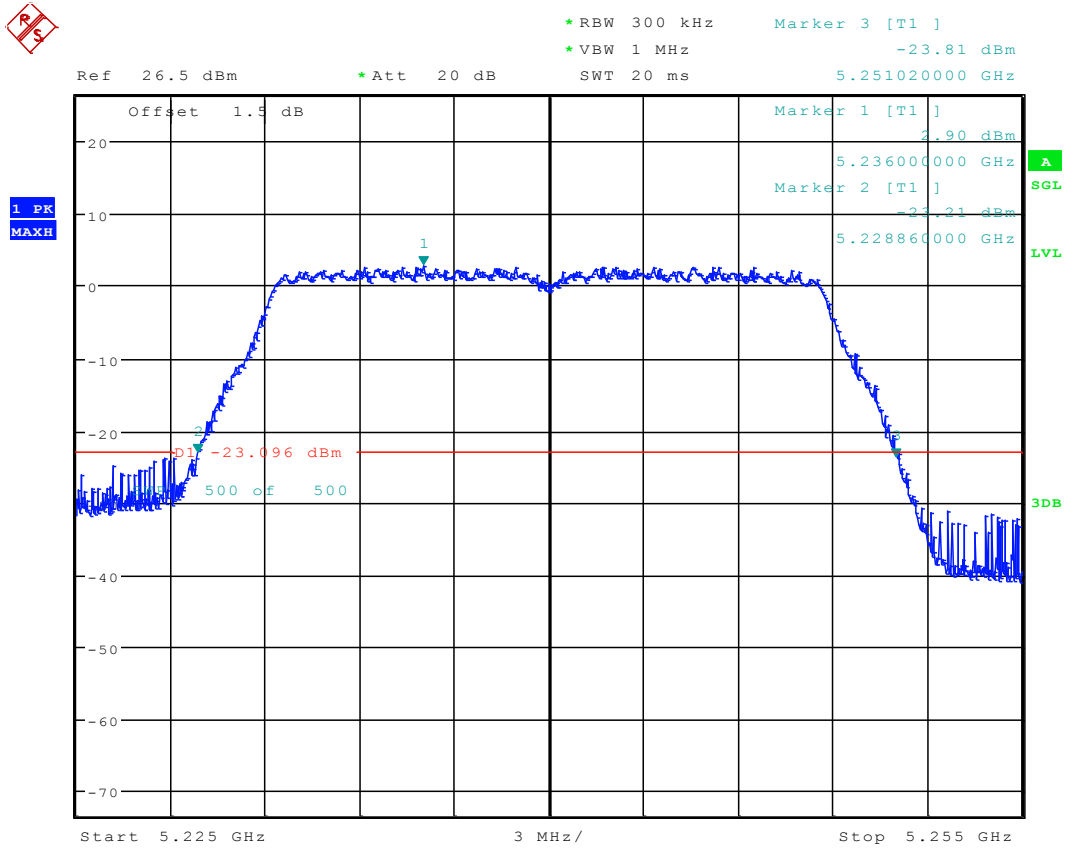
### 3.73 11AC20\_48 ANT 1



Date: 5.AUG.2017 17:06:18

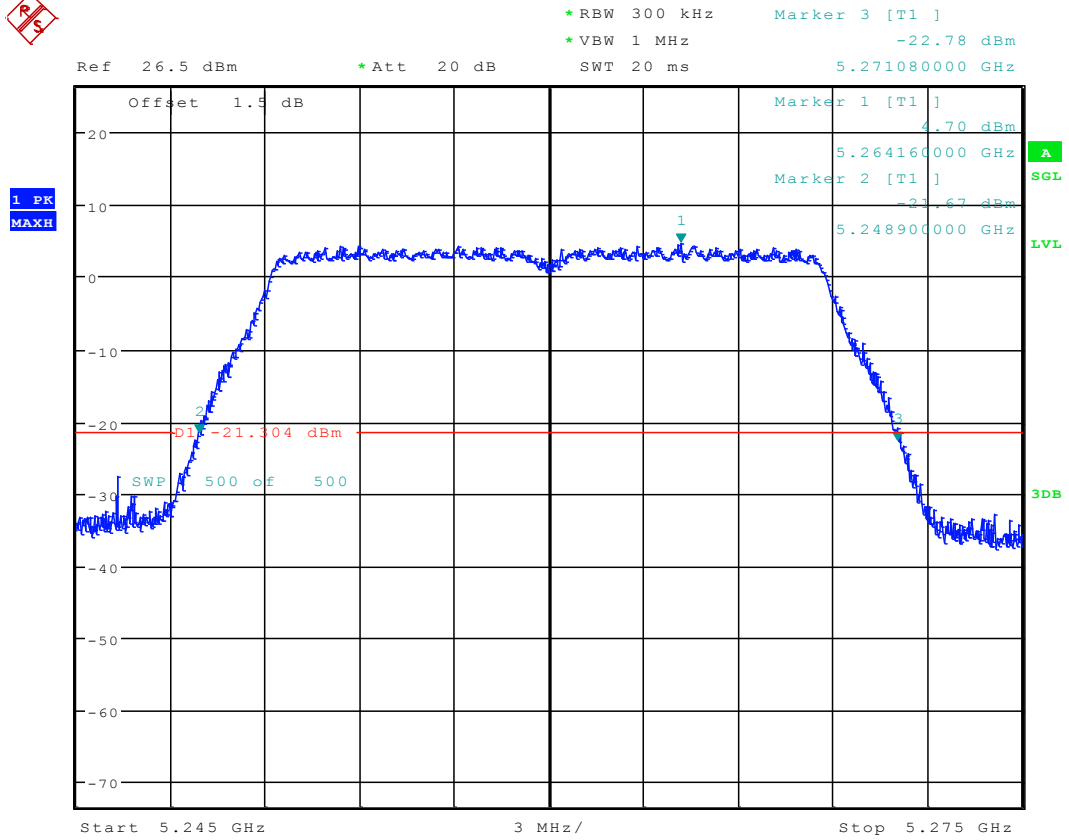


### 3.74 11AC20\_48 ANT 2



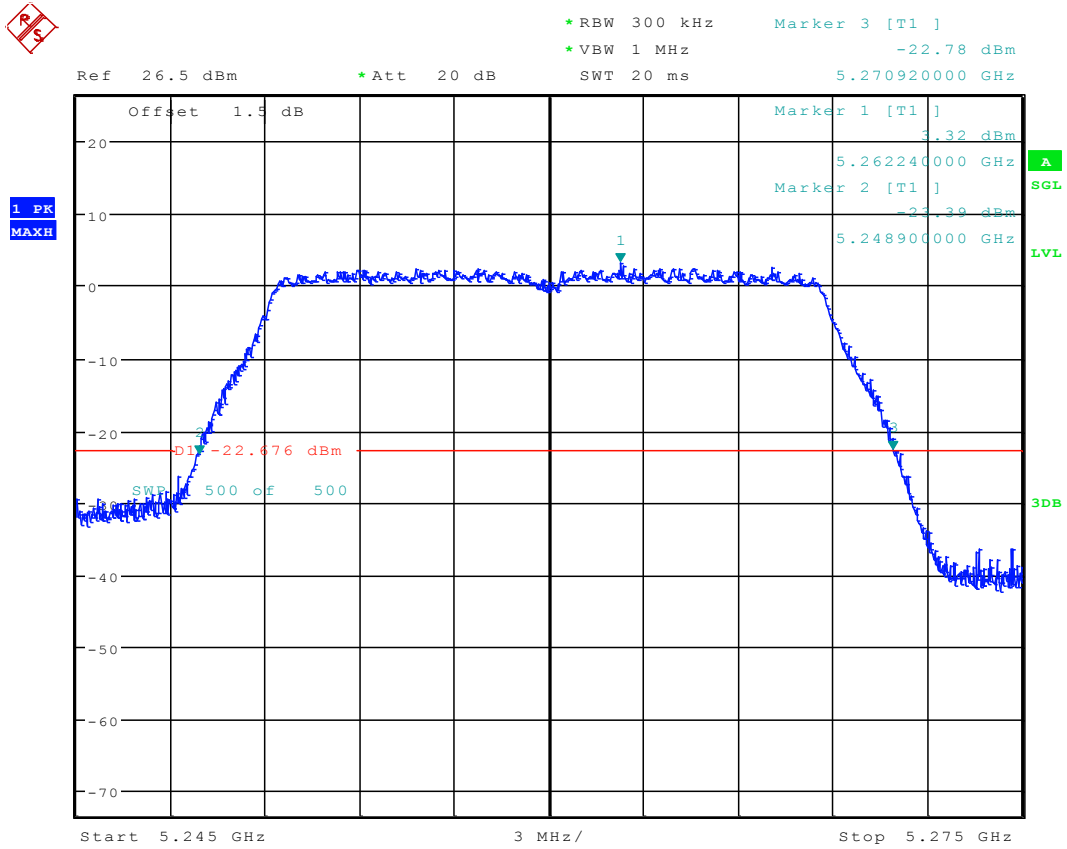
Date: 7.AUG.2017 14:10:44

## 3.75 11AC20\_52 ANT 1



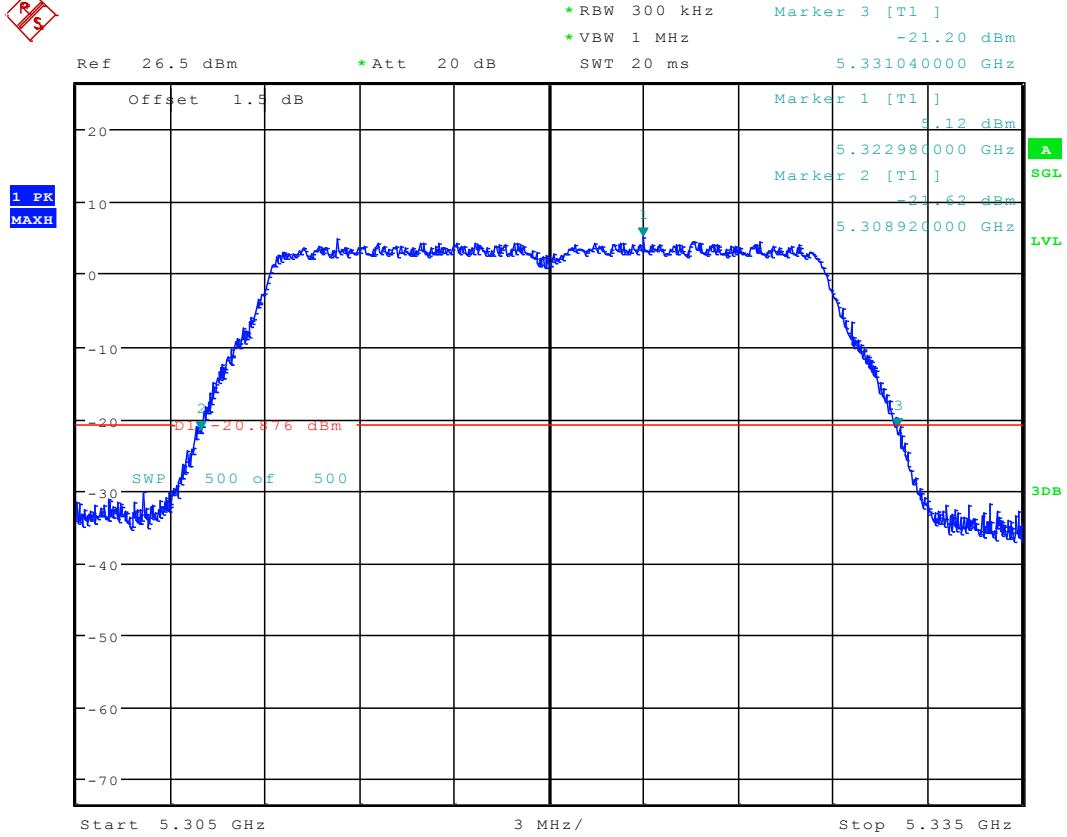
Date: 5.AUG.2017 17:10:33

### 3.76 11AC20\_52 ANT 2



Date: 7.AUG.2017 14:15:46

### 3.77 11AC20\_64 ANT 1

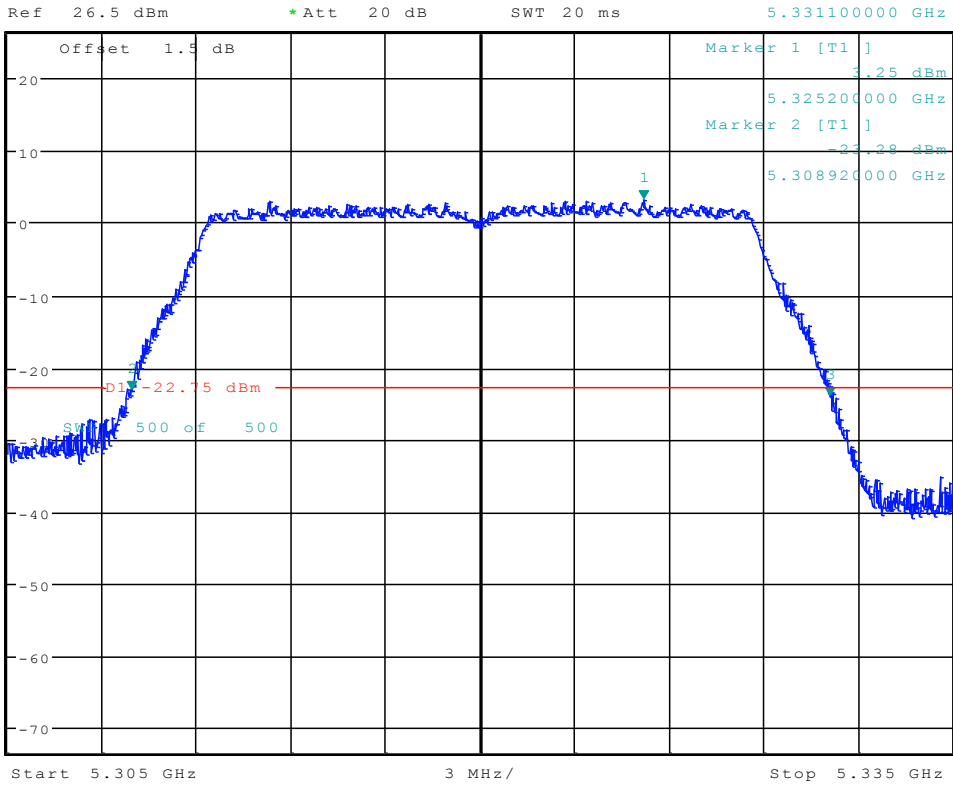


Date: 5.AUG.2017 17:13:22

### 3.78 11AC20\_64 ANT 2



\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -24.13 dBm  
 SWT 20 ms      5.331100000 GHz

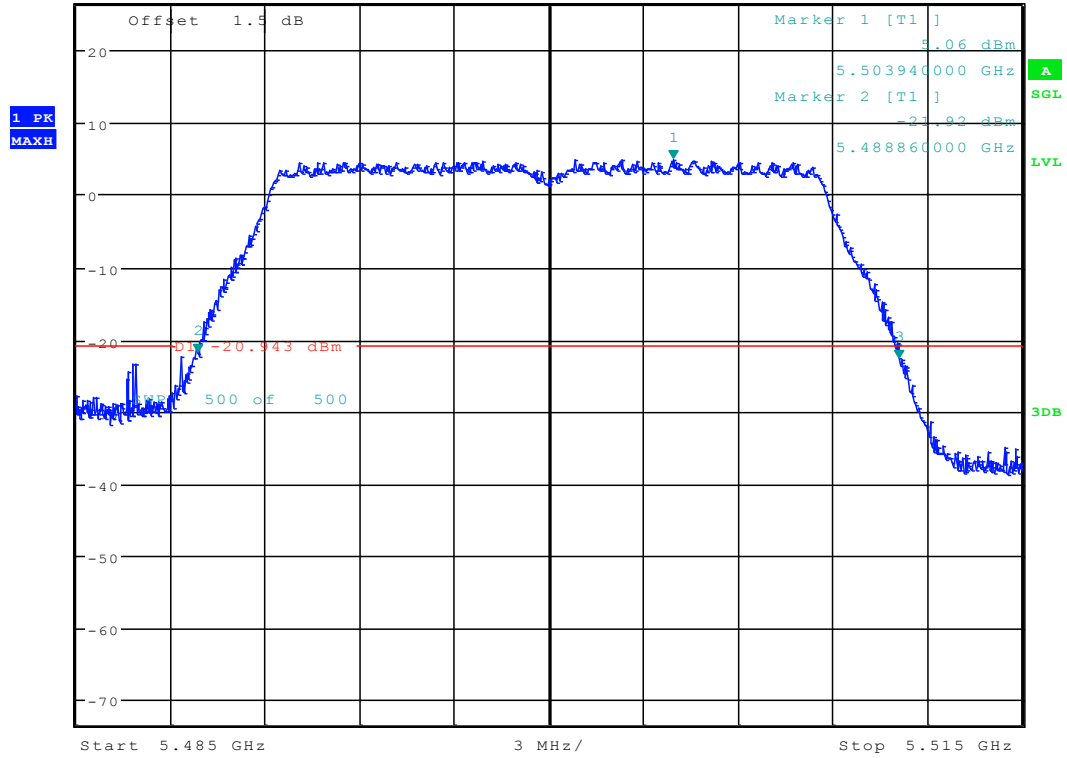


Date: 7.AUG.2017 14:19:11

### 3.79 11AC20\_100 ANT 1



\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -22.79 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.511120000 GHz



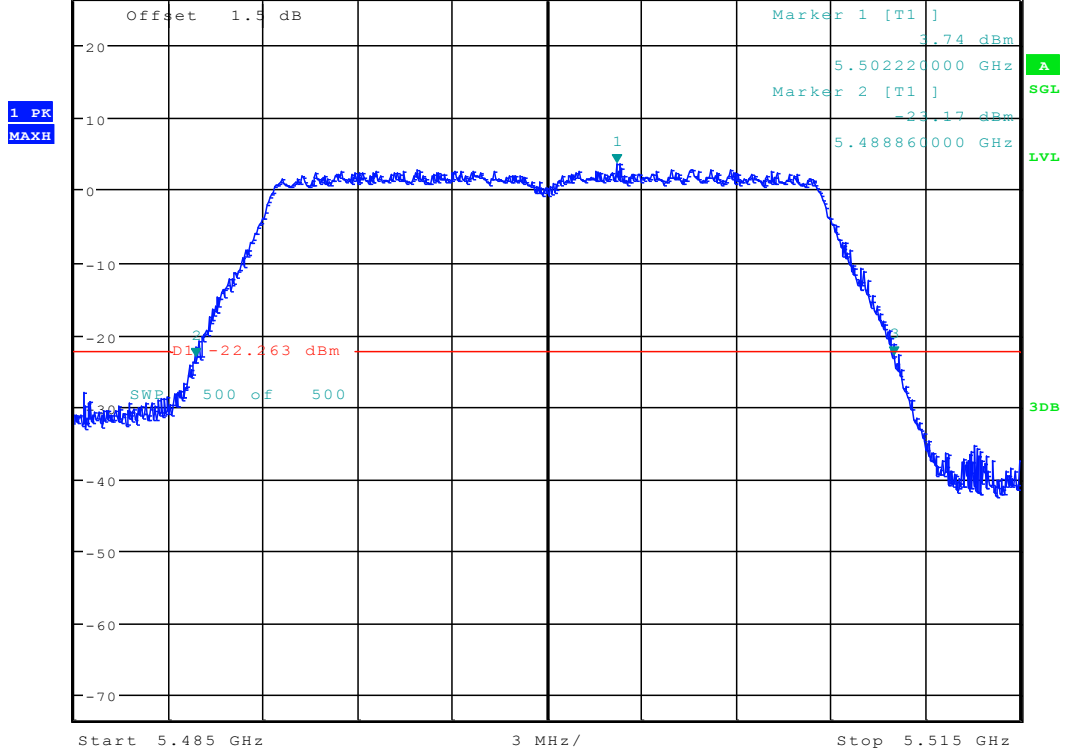
Date: 5.AUG.2017 17:16:45



### 3.80 11AC20\_100 ANT 2

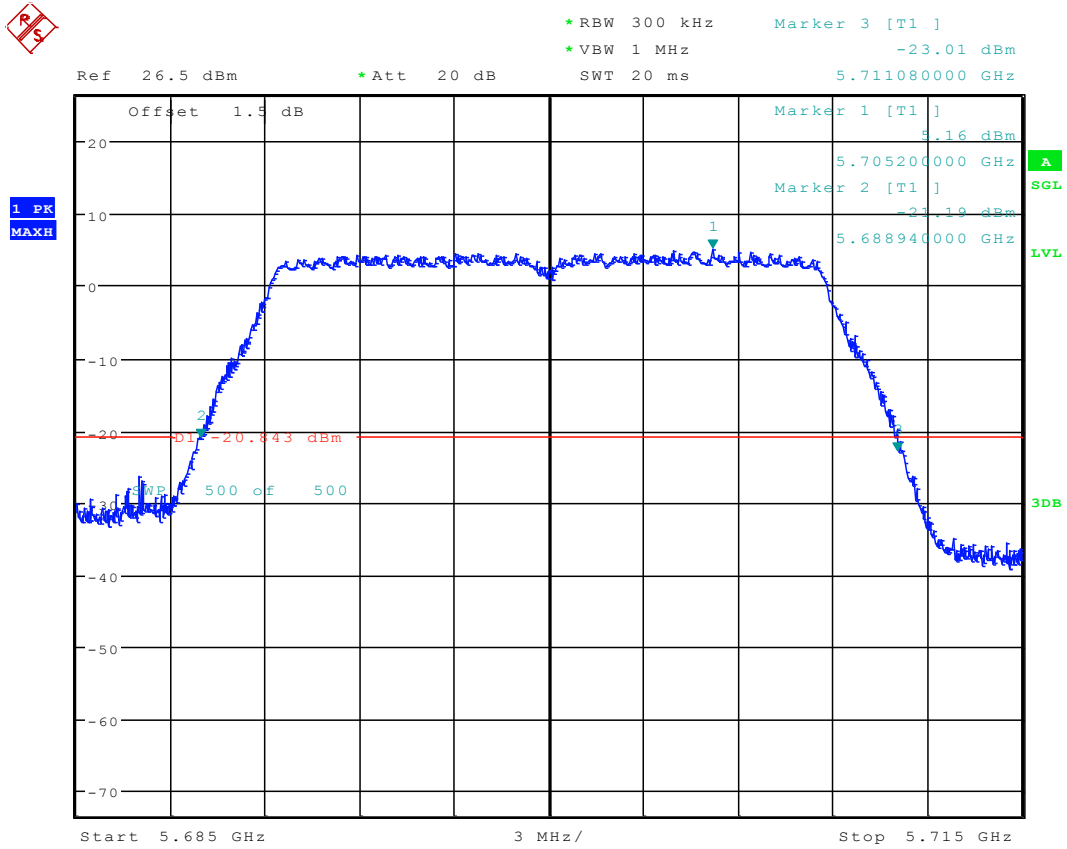


\*RBW 300 kHz    Marker 3 [T1]    -23.03 dBm  
 \*VBW 1 MHz  
 SWT 20 ms    5.511000000 GHz



Date: 7.AUG.2017 14:23:06

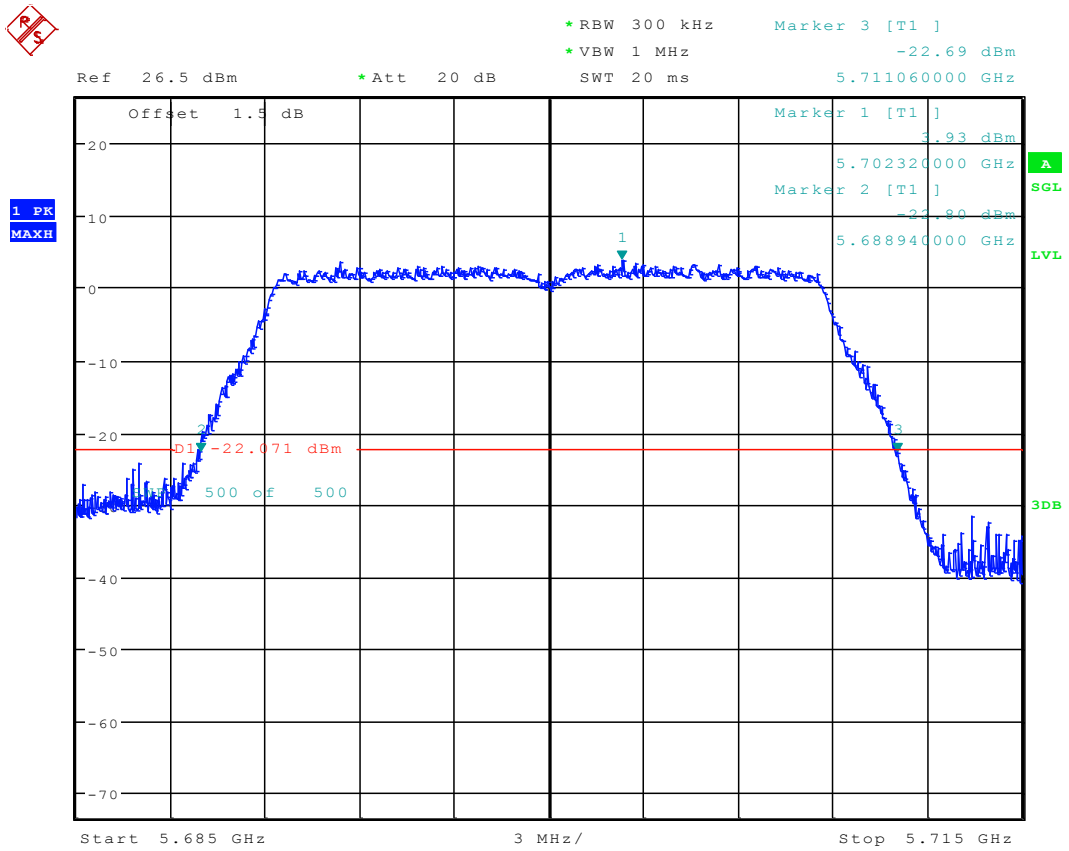
### 3.81 11AC20\_140 ANT 1



Date: 5.AUG.2017 17:19:24



### 3.82 11AC20\_140 ANT 2

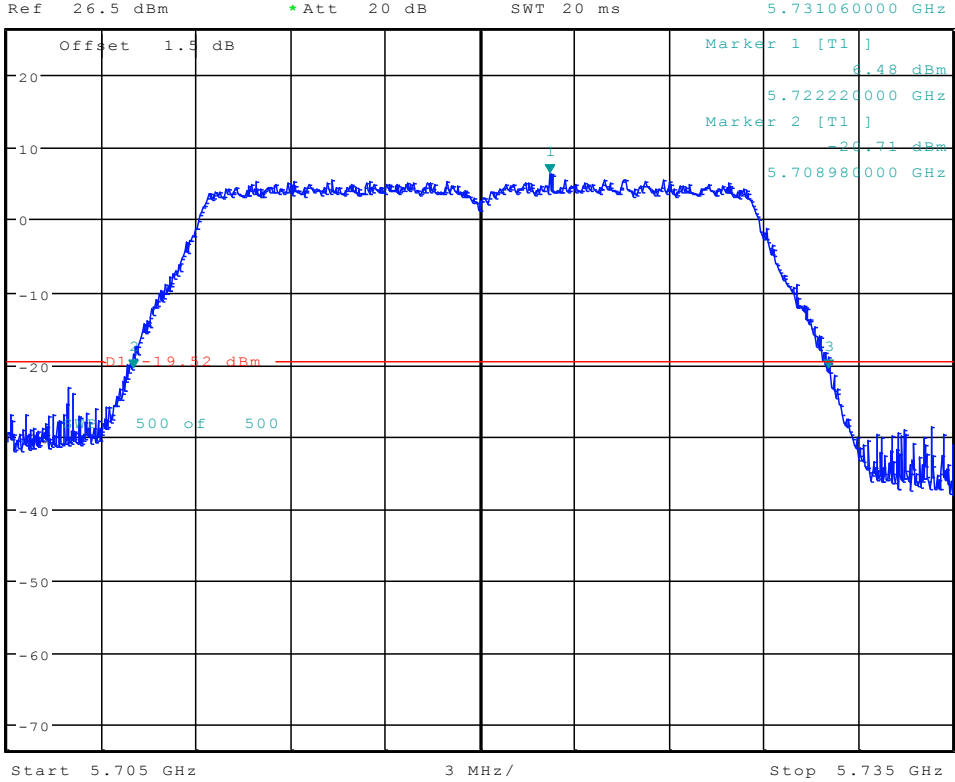


Date: 7.AUG.2017 14:54:29

### 3.83 11AC20\_144 ANT 1



\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -20.62 dBm  
 \*Att 20 dB      5.731060000 GHz  
 SWT 20 ms

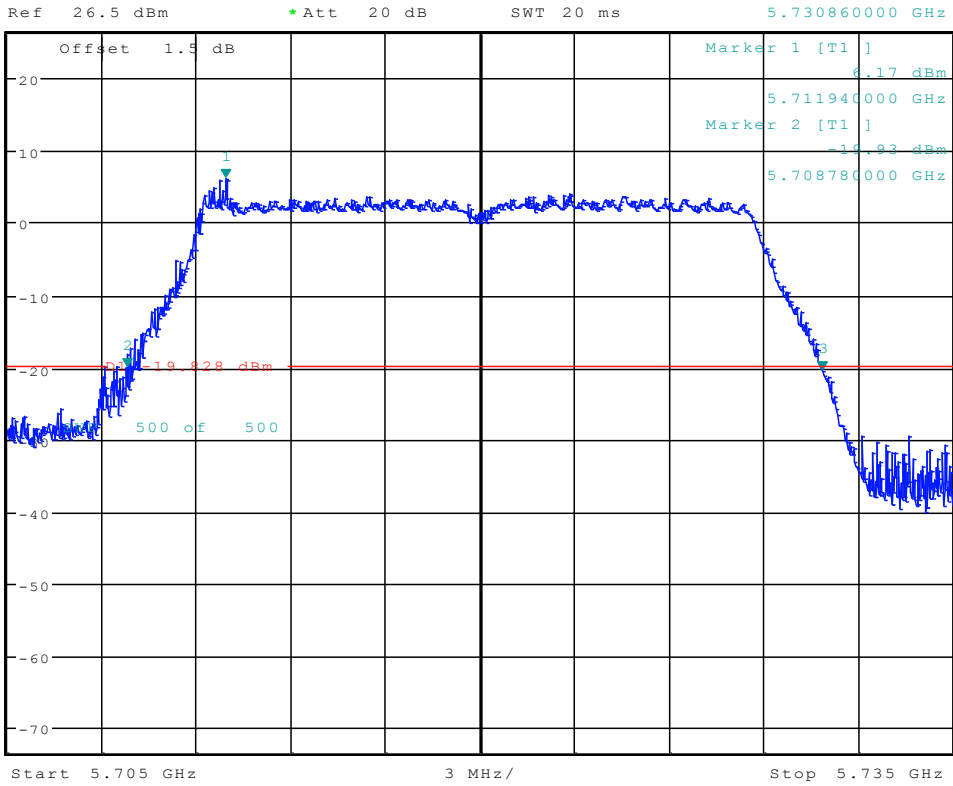


Date: 16.SEP.2017 09:58:37

3.84 11AC20\_144 ANT 2



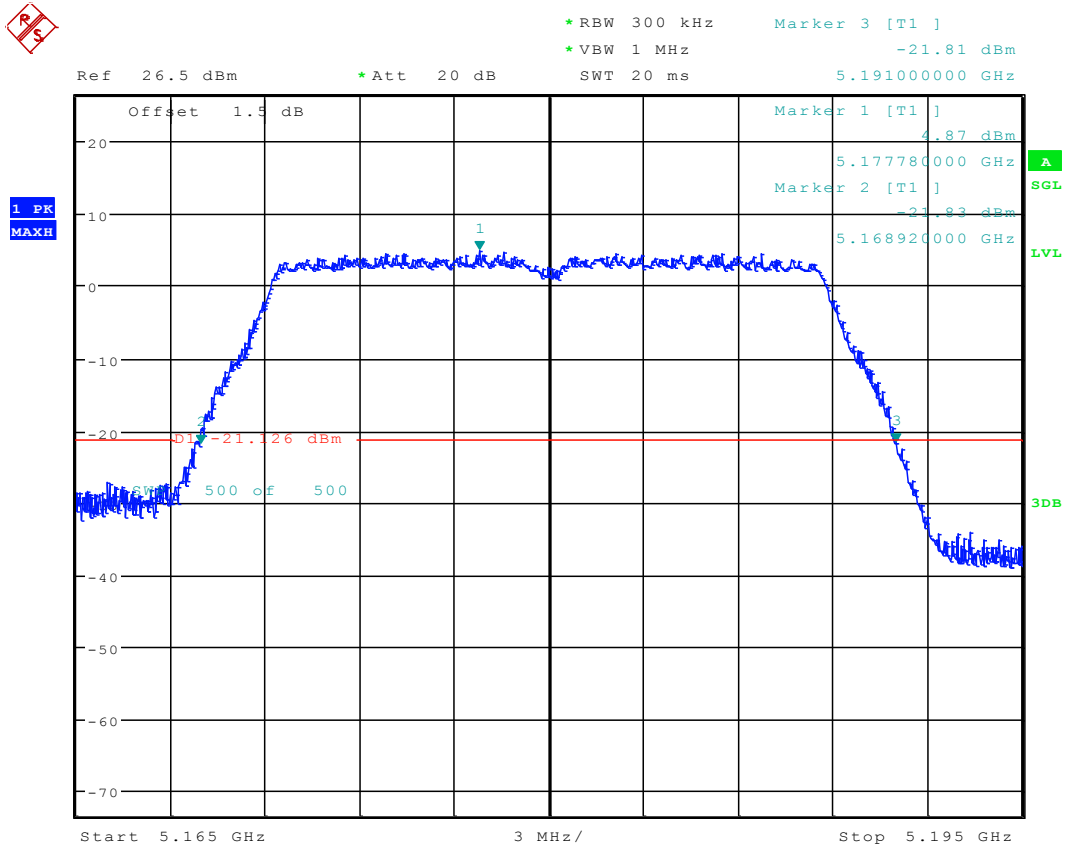
\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -20.38 dBm  
 SWT 20 ms      5.730860000 GHz



Date: 16.SEP.2017 10:38:51

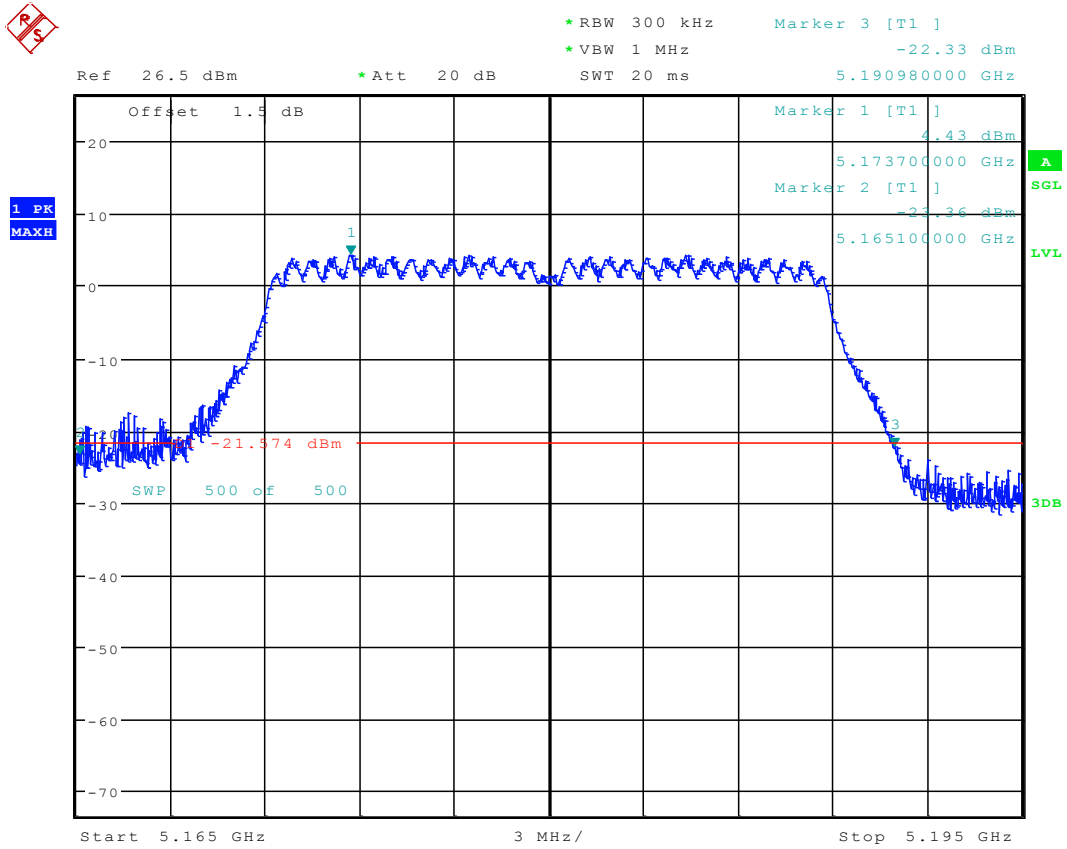


### 3.85 11AC20MIMO\_36 ANT 1



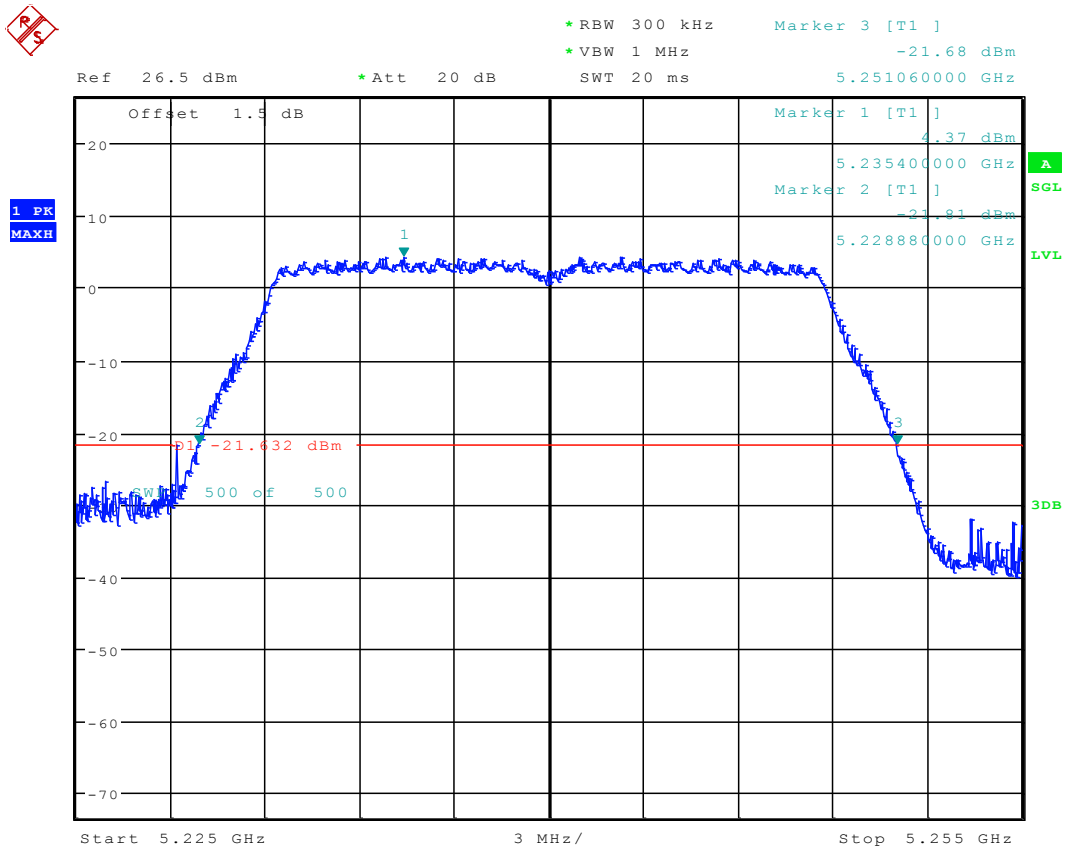
Date: 9.AUG.2017 18:21:53

### 3.86 11AC20MIMO\_36 ANT 2



Date: 9.AUG.2017 14:56:21

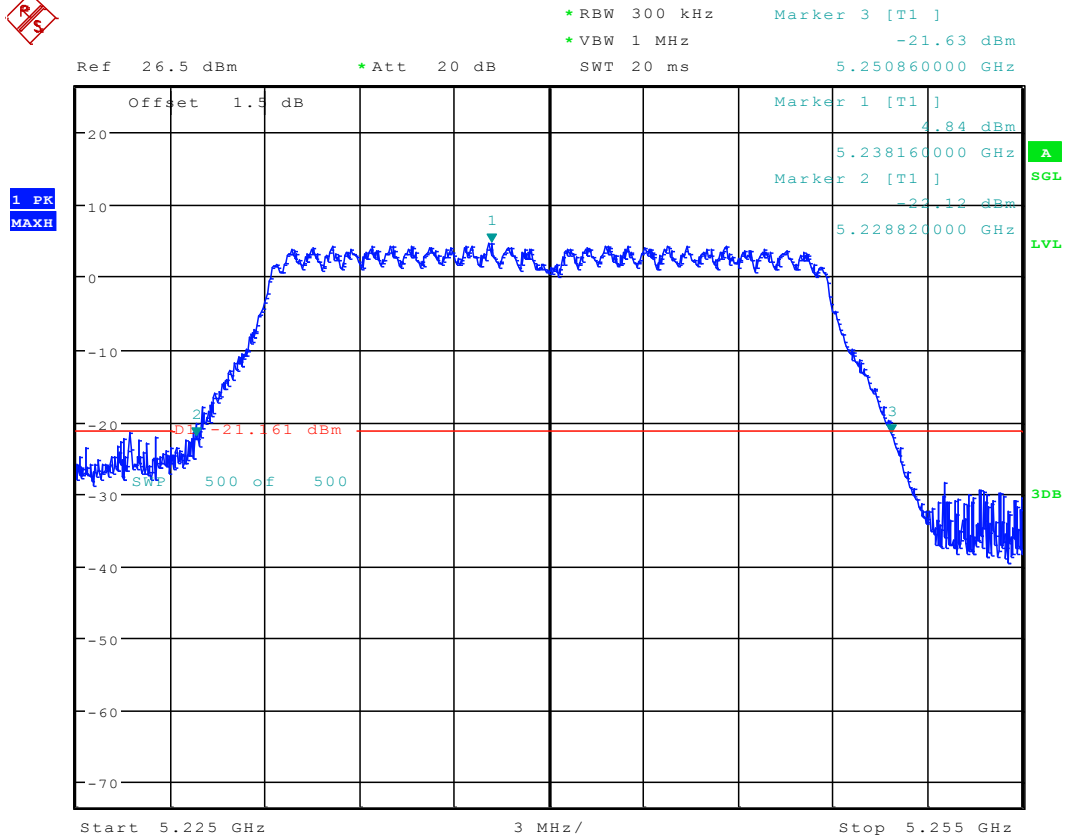
## 3.87 11AC20MIMO\_48 ANT 1



Date: 9.AUG.2017 18:24:34

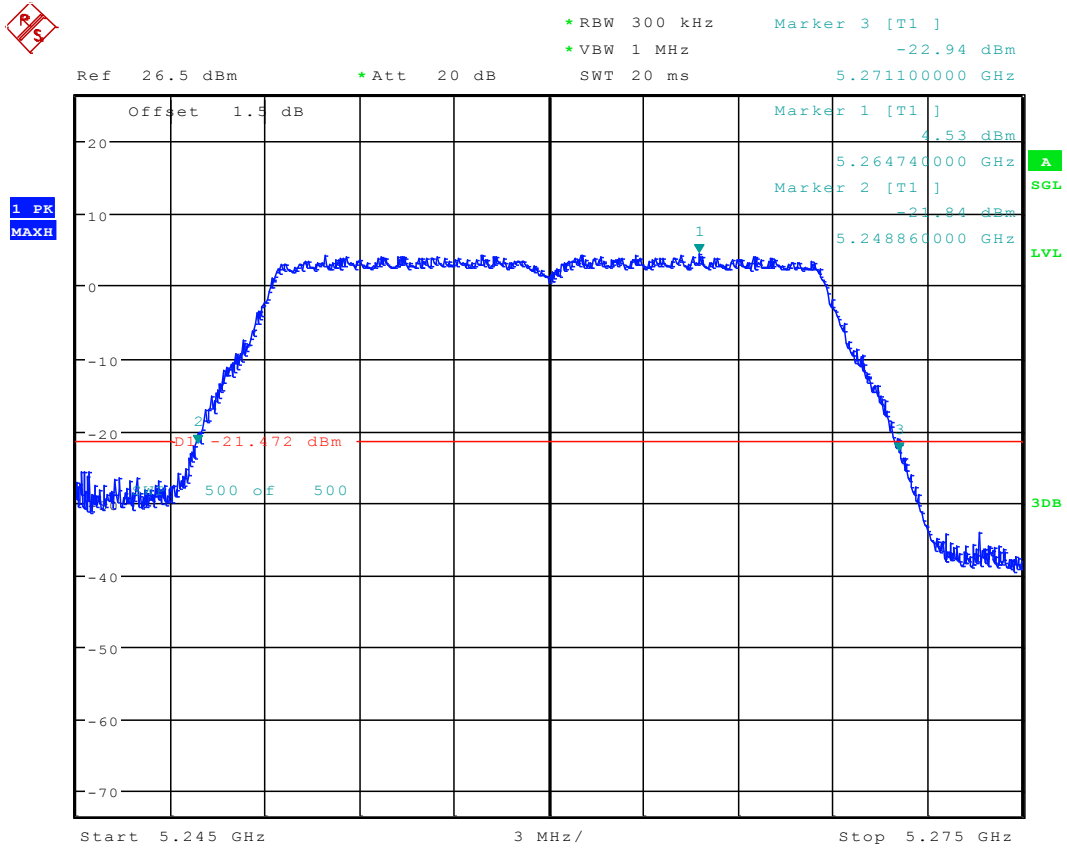


### 3.88 11AC20MIMO\_48 ANT 2



Date: 9.AUG.2017 14:59:31

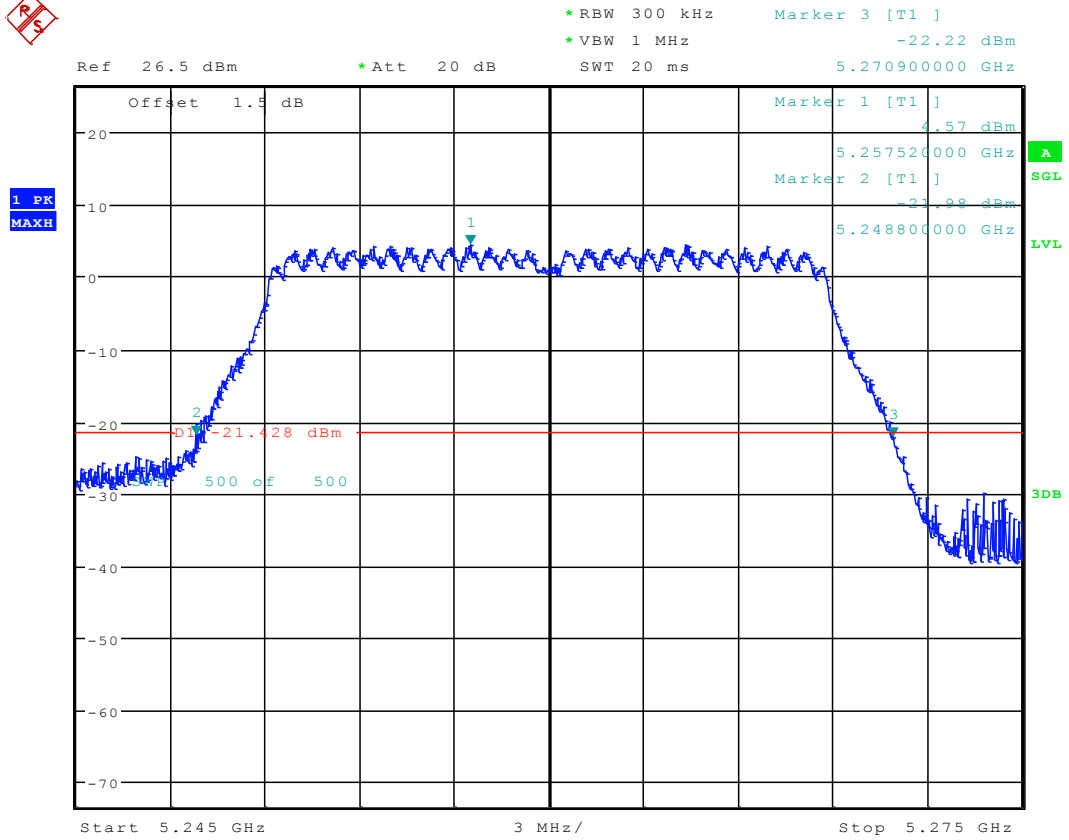
### 3.89 11AC20MIMO\_52 ANT 1



Date: 9.AUG.2017 18:27:24

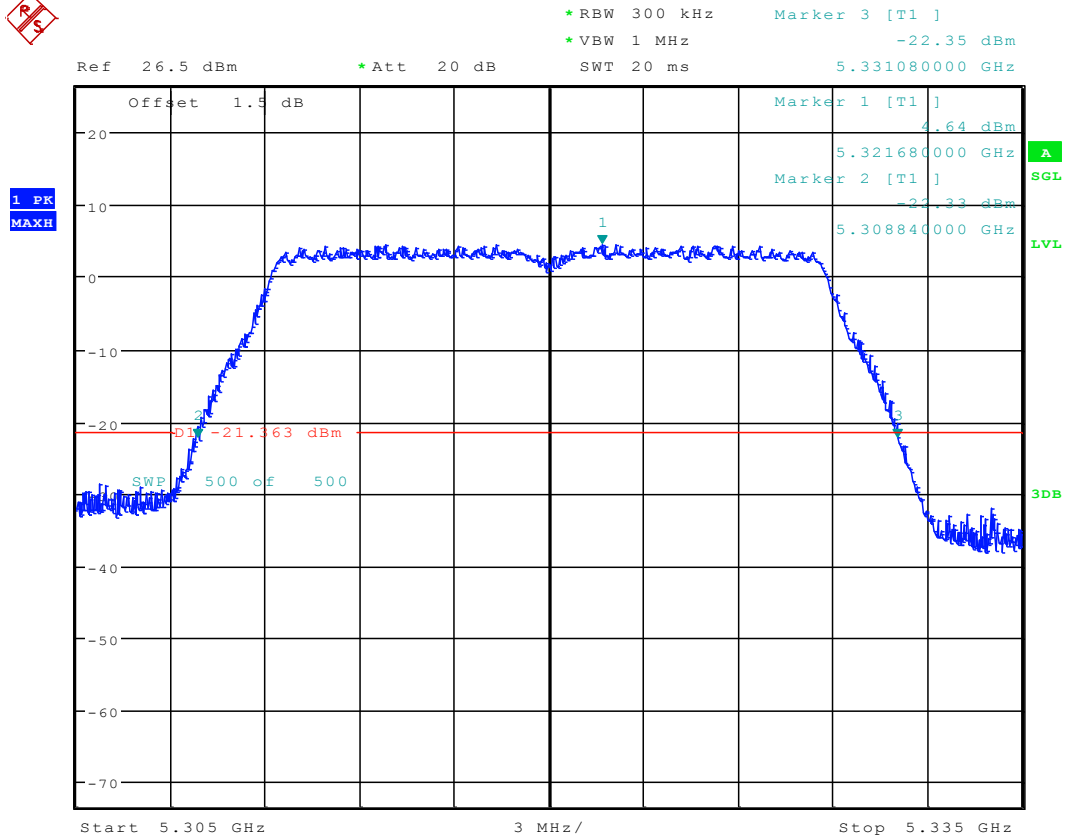


### 3.90 11AC20MIMO\_52 ANT 2



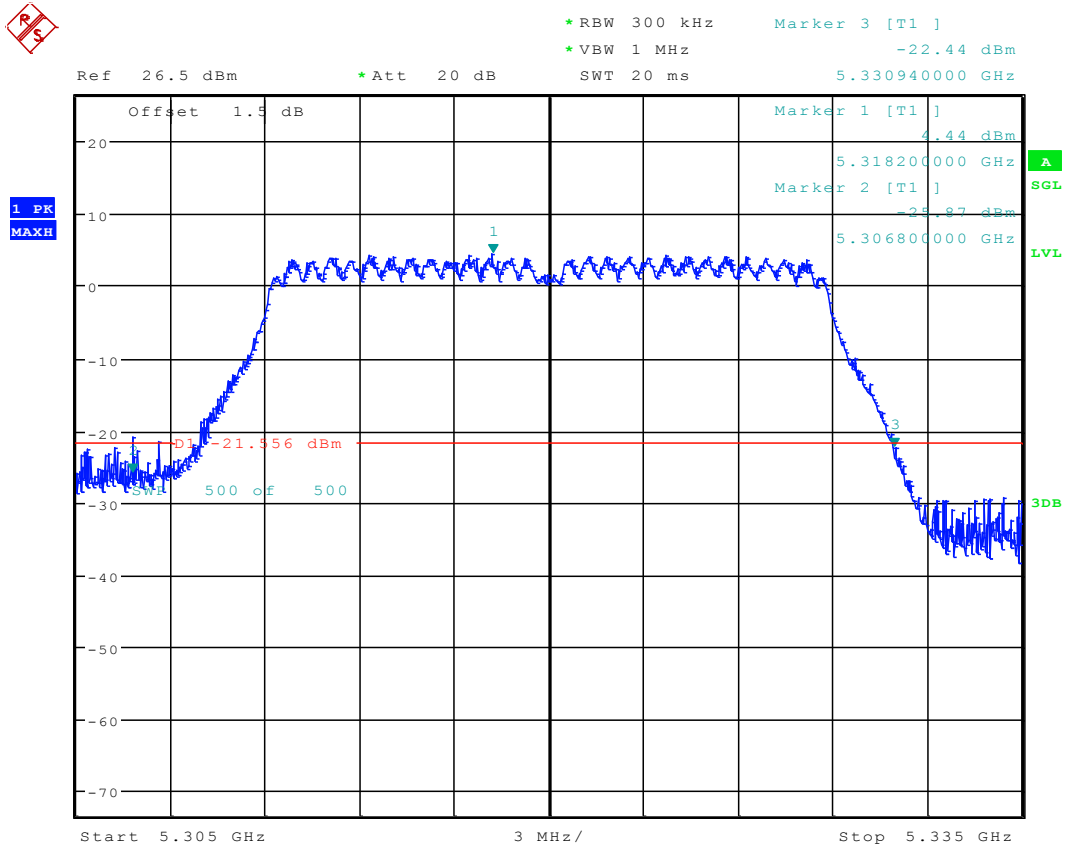
Date: 9.AUG.2017 15:02:58

### 3.91 11AC20MIMO\_64 ANT 1



Date: 9.AUG.2017 18:30:00

### 3.92 11AC20MIMO\_64 ANT 2

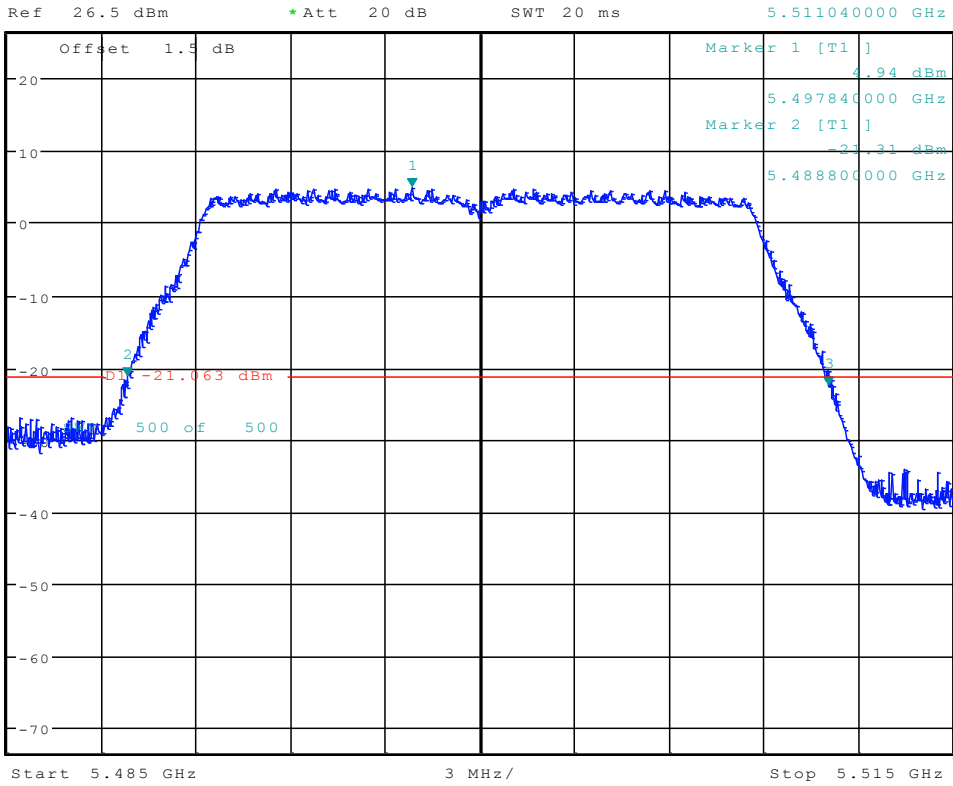


Date: 9.AUG.2017 15:06:06

### 3.93 11AC20MIMO\_100 ANT 1

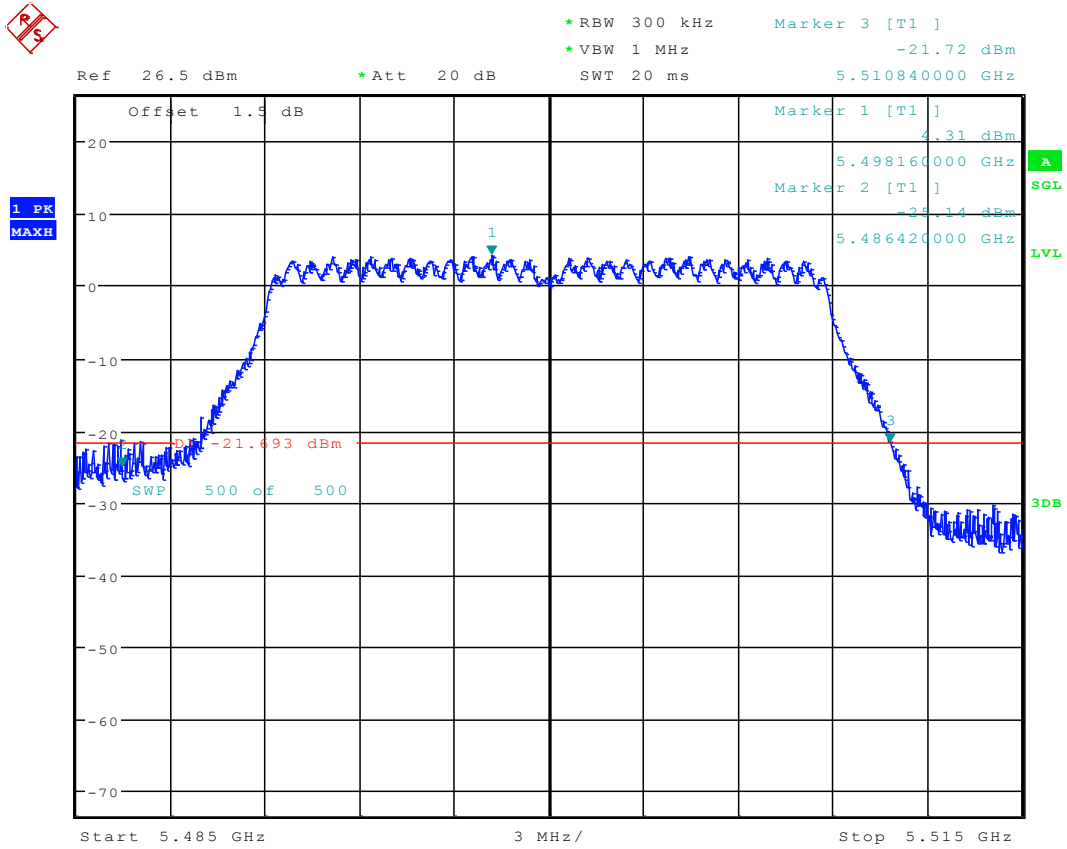


\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -22.58 dBm  
 SWT 20 ms      5.511040000 GHz



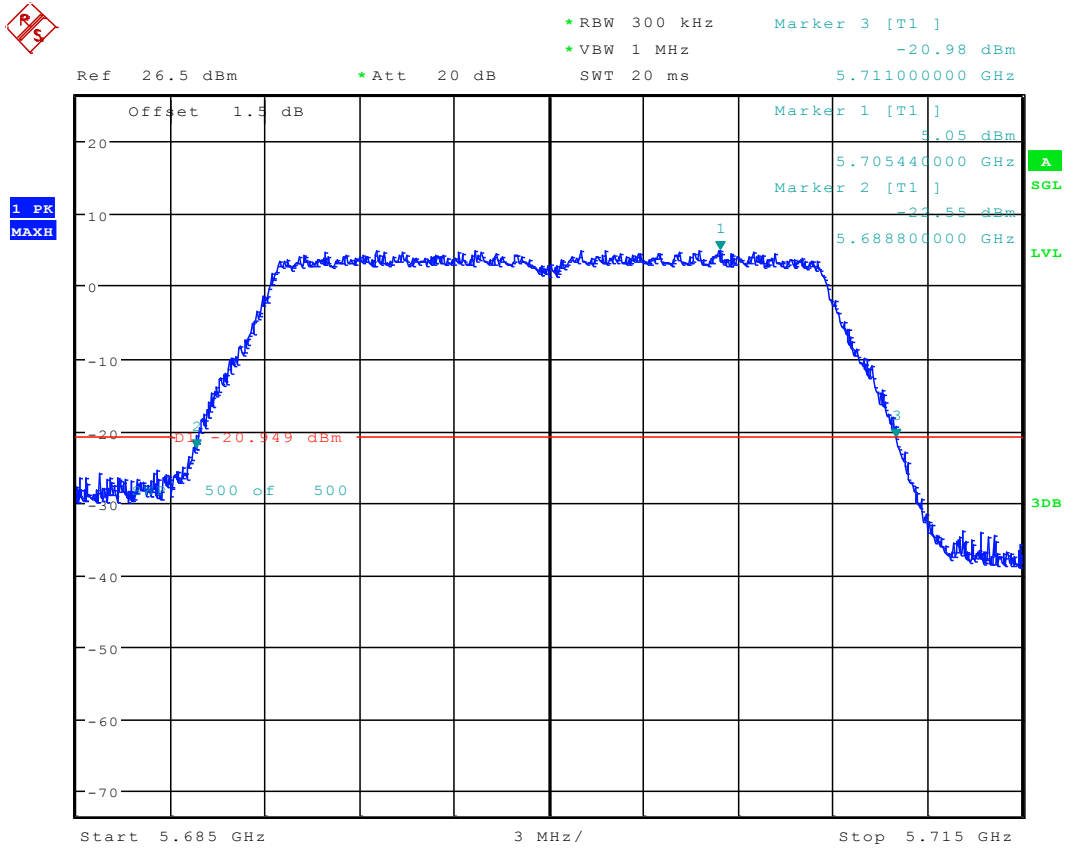
Date: 9.AUG.2017 18:32:46

### 3.94 11AC20MIMO\_100 ANT 2



Date: 9.AUG.2017 15:08:58

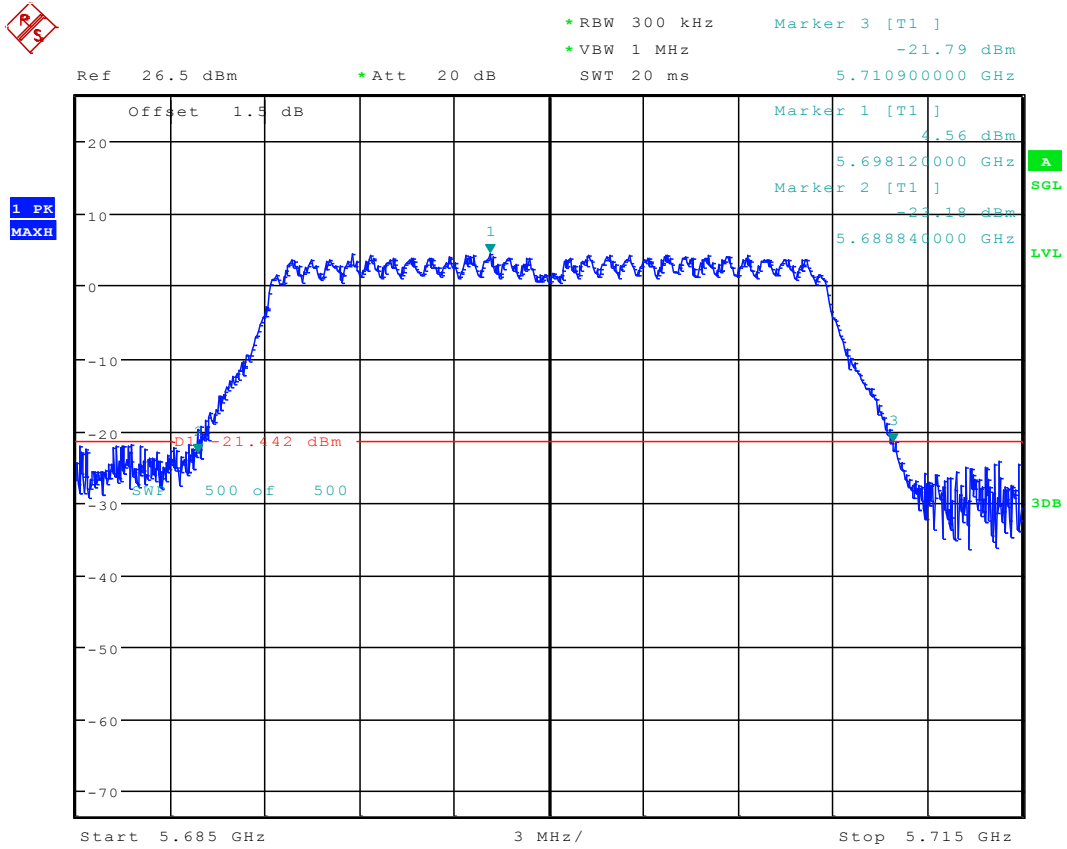
### 3.95 11AC20MIMO\_140 ANT 1



Date: 9.AUG.2017 18:35:20



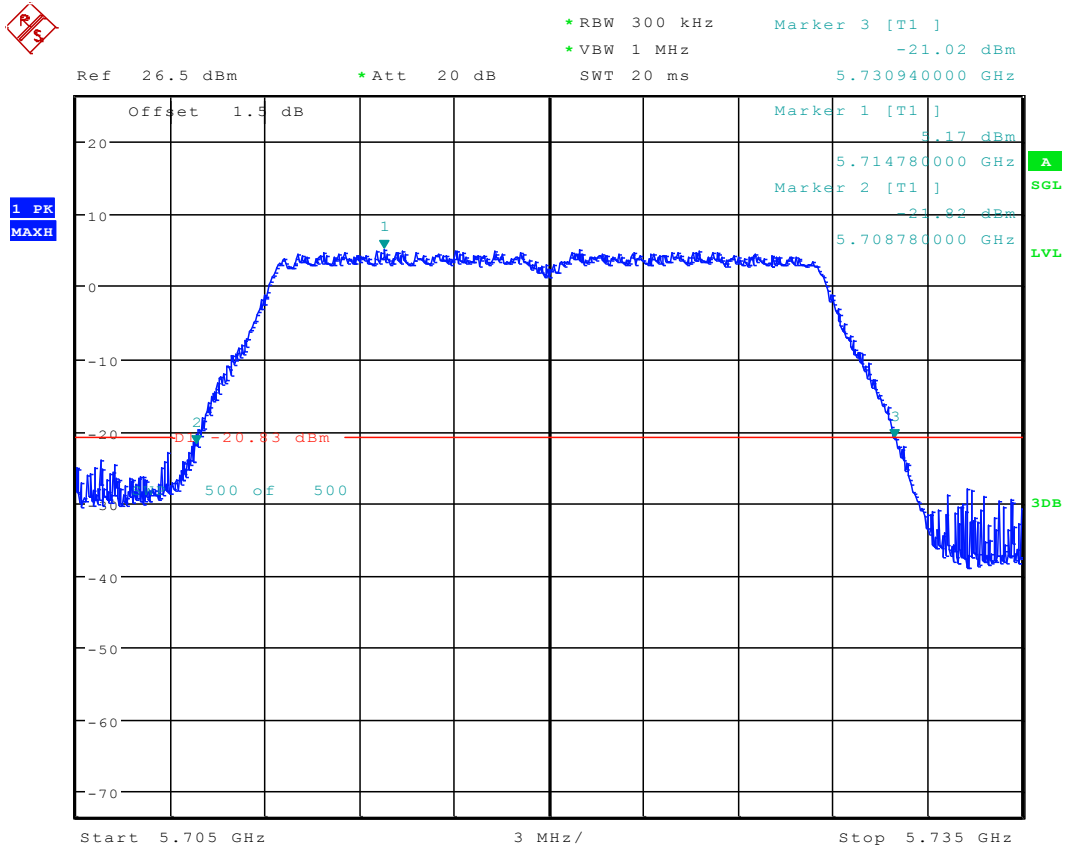
### 3.96 11AC20MIMO\_140 ANT 2



Date: 9.AUG.2017 15:11:35



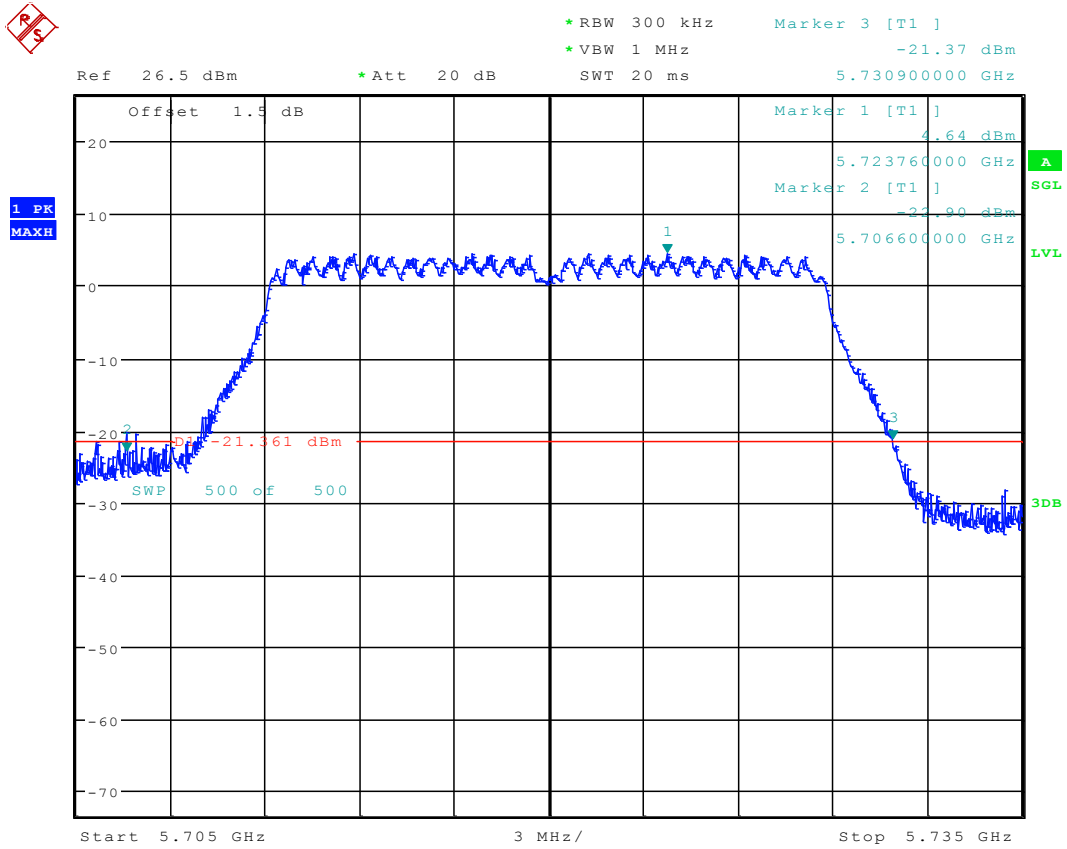
### 3.97 11AC20MIMO\_144 ANT 1



Date: 16.SEP.2017 11:01:02

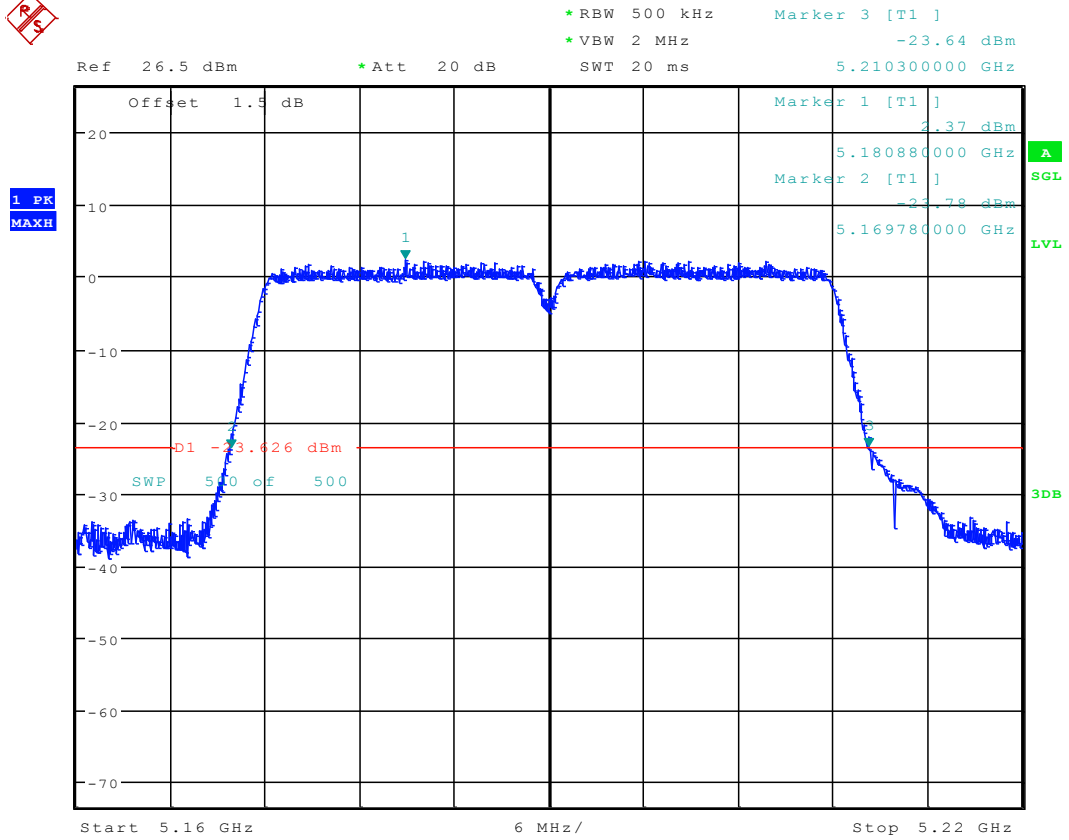


### 3.98 11AC20MIMO\_144 ANT 2



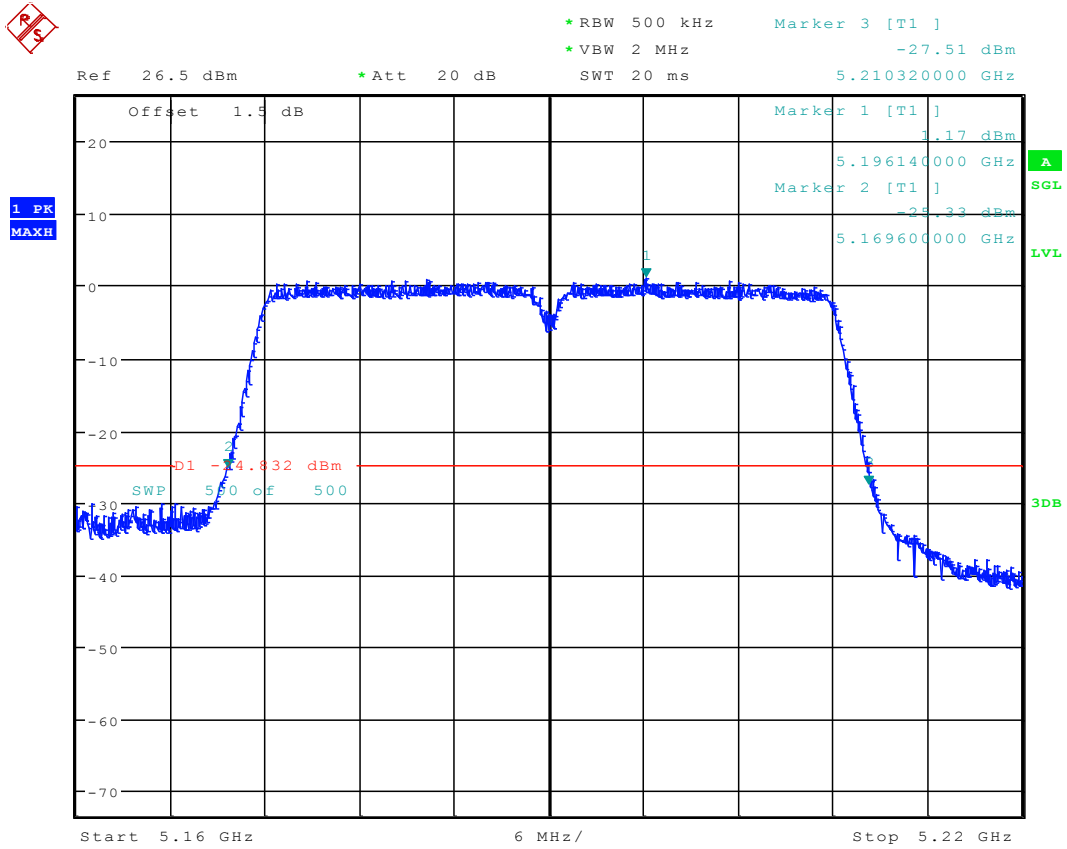
Date: 16.SEP.2017 11:31:58

### 3.99 11AC40\_38 ANT 1



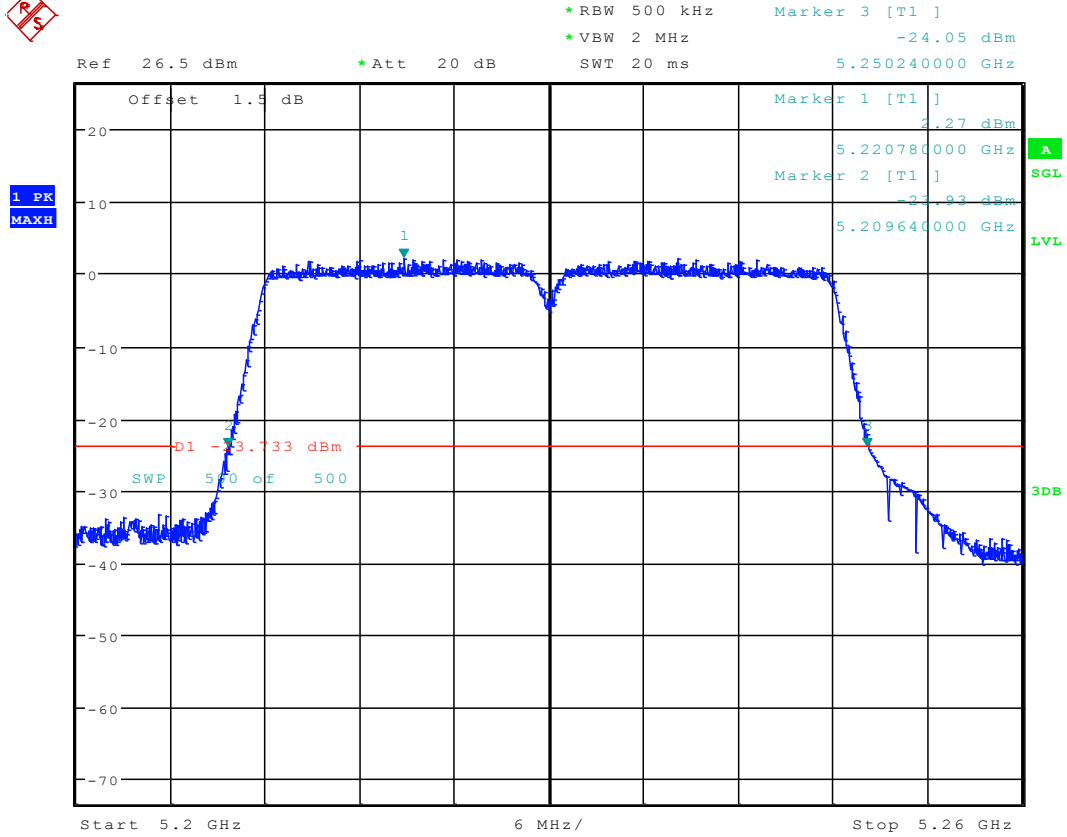
Date: 7.AUG.2017 09:32:36

### 3.100 11AC40\_38 ANT 2



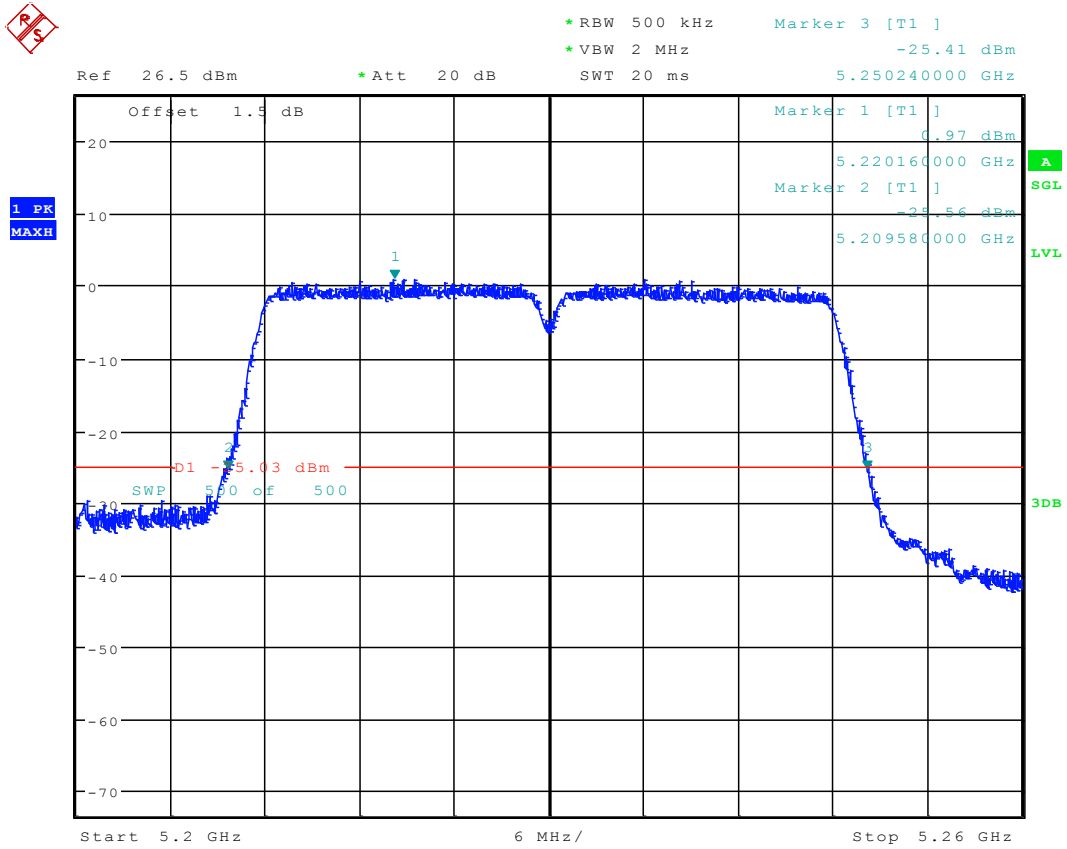
Date: 7.AUG.2017 15:52:01

### 3.101 11AC40\_46 ANT 1



Date: 7.AUG.2017 09:37:27

### 3.102 11AC40\_46 ANT 2



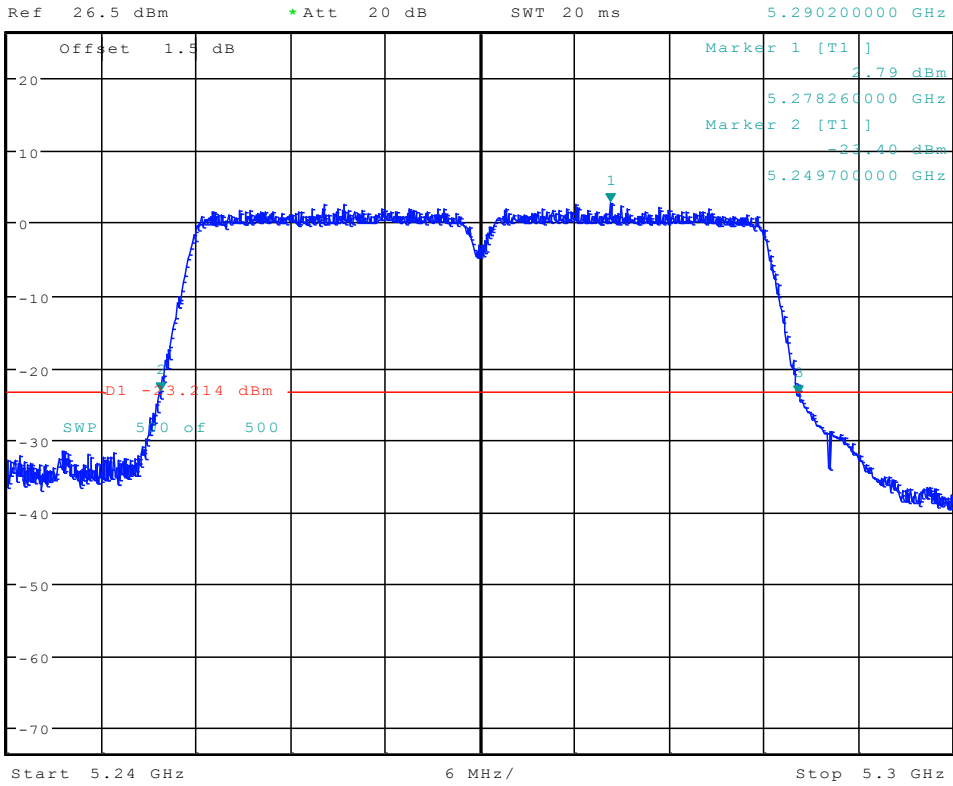
Date: 7.AUG.2017 15:55:34



### 3.103 11AC40\_54 ANT 1

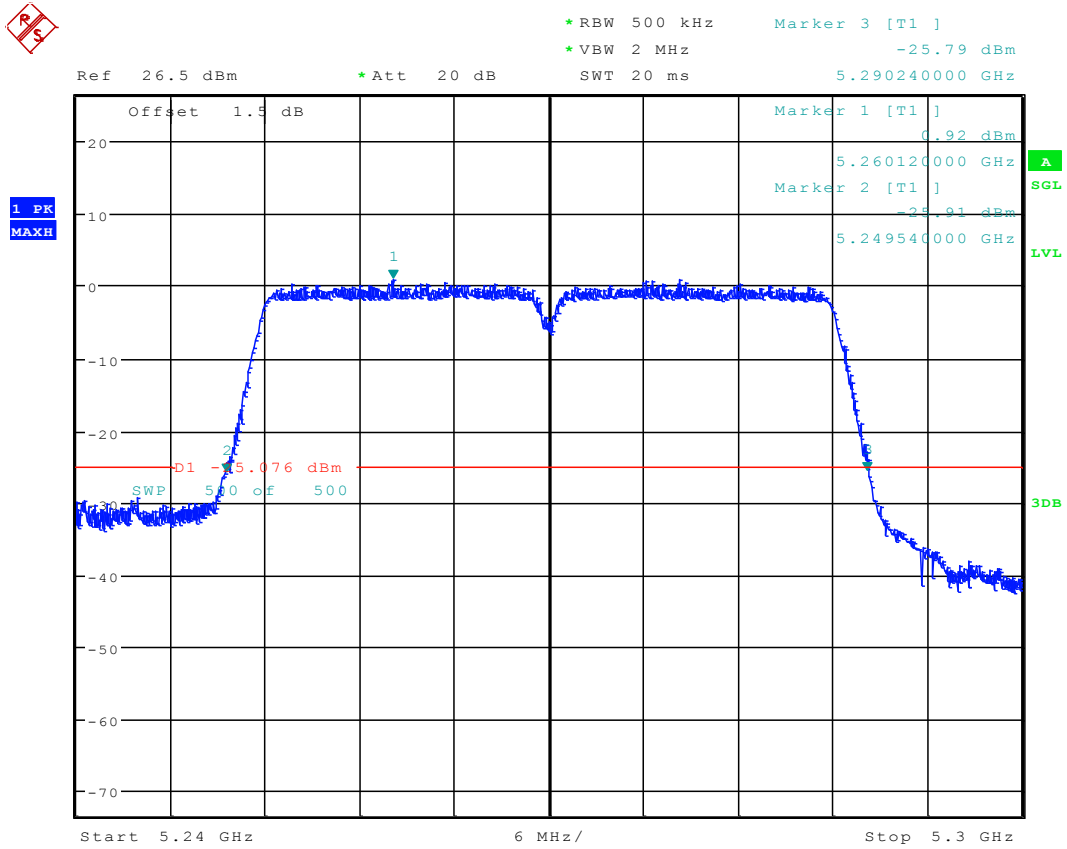


\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -23.85 dBm  
 SWT 20 ms      5.290200000 GHz



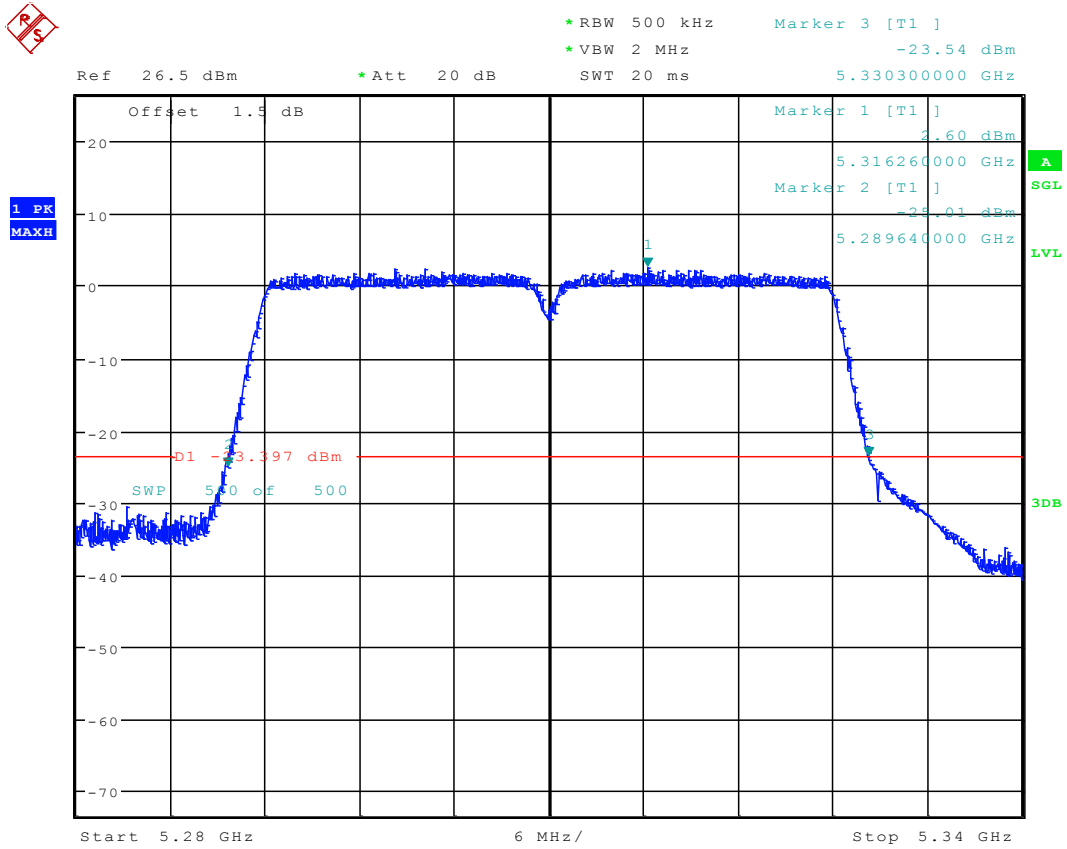
Date: 7.AUG.2017 09:52:14

### 3.104 11AC40\_54 ANT 2



Date: 7.AUG.2017 16:00:27

### 3.105 11AC40\_62 ANT 1



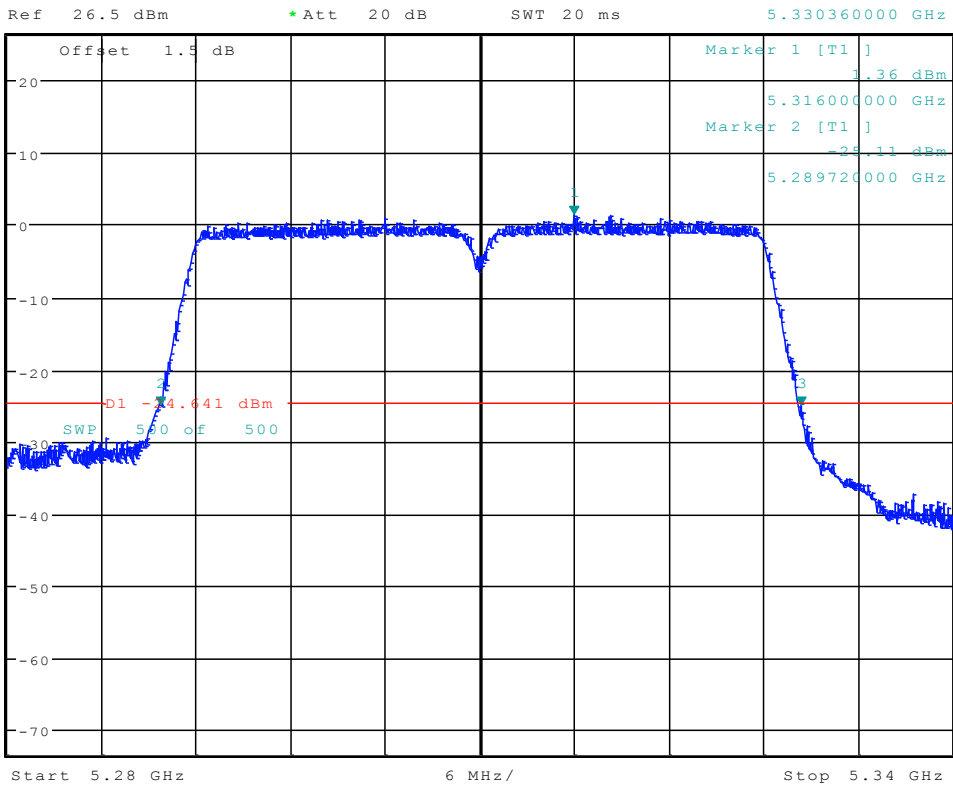
Date: 7.AUG.2017 09:55:28



### 3.106 11AC40\_62 ANT 2

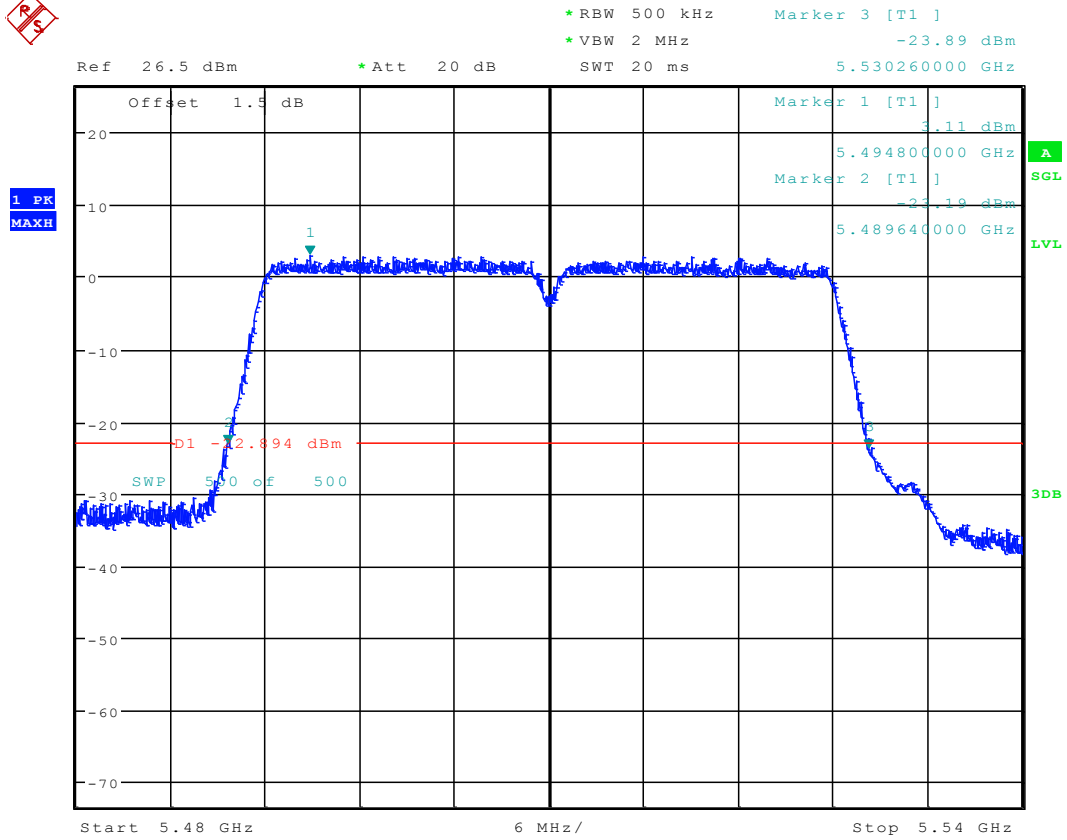


\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -25.12 dBm  
 SWT 20 ms      5.330360000 GHz



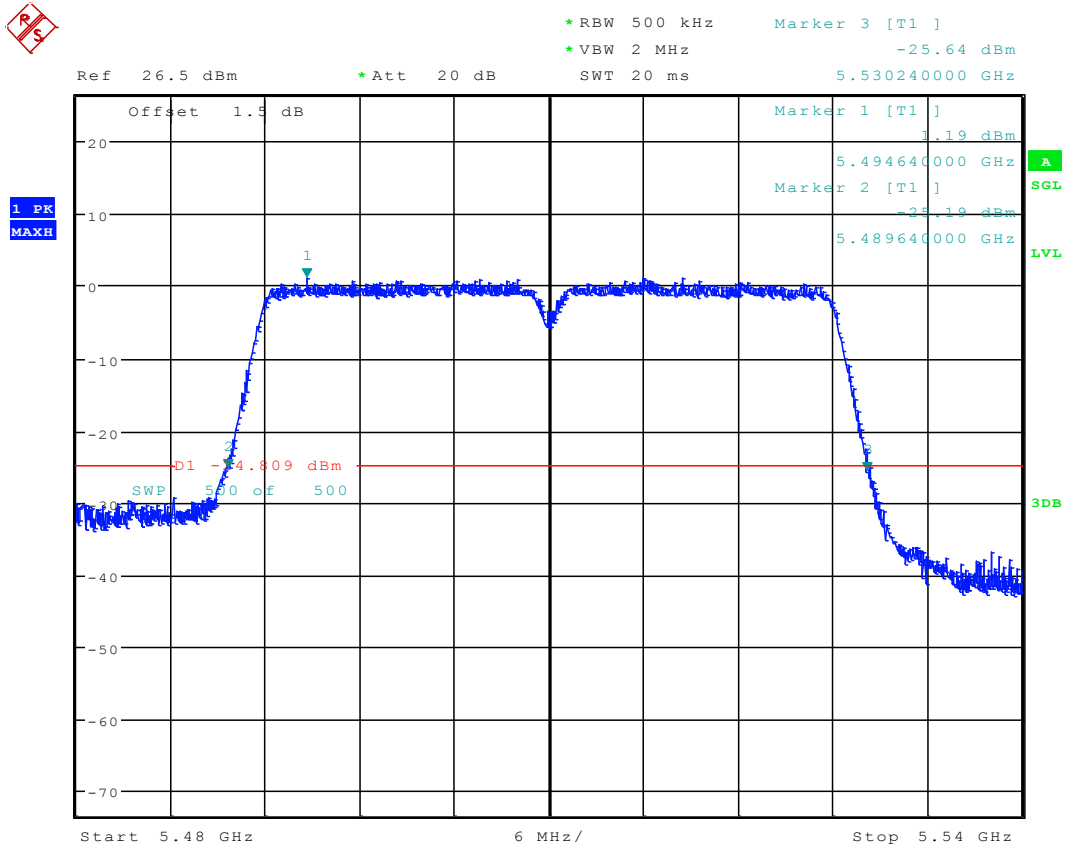
Date: 7.AUG.2017 16:03:09

### 3.107 11AC40\_102 ANT 1



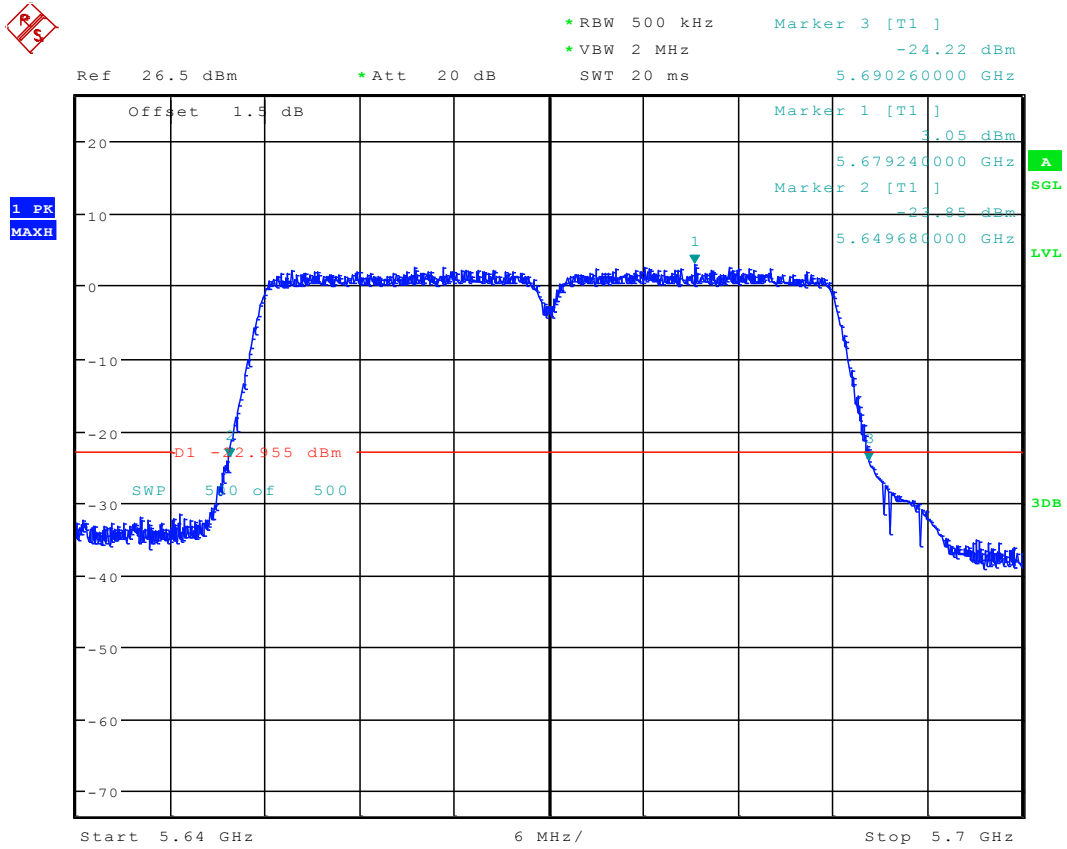
Date: 7.AUG.2017 09:58:44

### 3.108 11AC40\_102 ANT 2



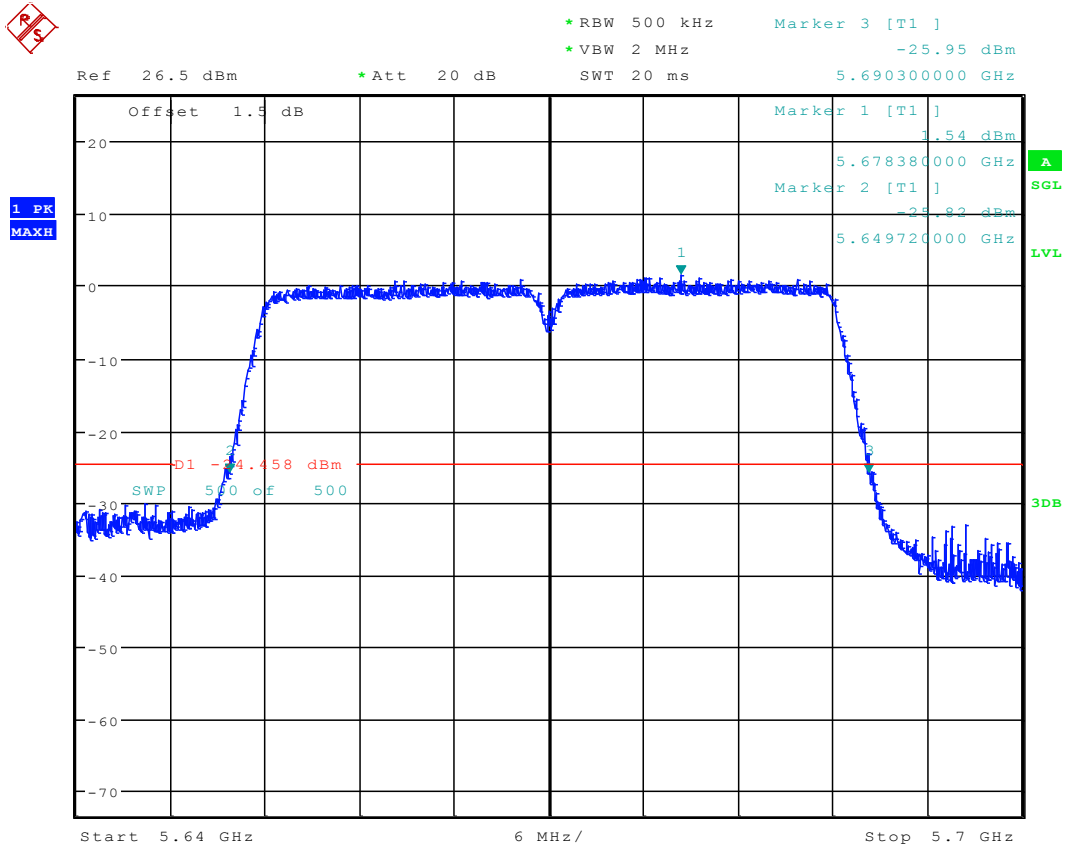
Date: 7.AUG.2017 16:06:42

### 3.109 11AC40\_134 ANT 1



Date: 7.AUG.2017 10:01:52

### 3.110 11AC40\_134 ANT 2



Date: 7.AUG.2017 16:09:35

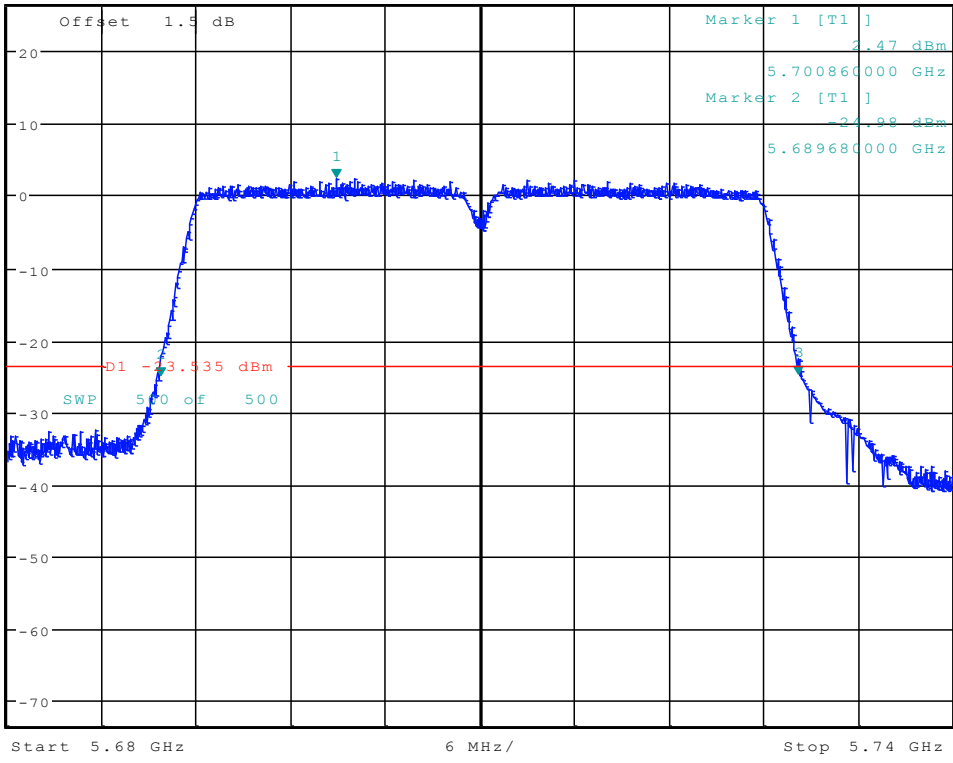
### 3.111 11AC40\_142 ANT 1



\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -24.89 dBm  
 \*Att 20 dB      5.730240000 GHz  
 SWT 20 ms

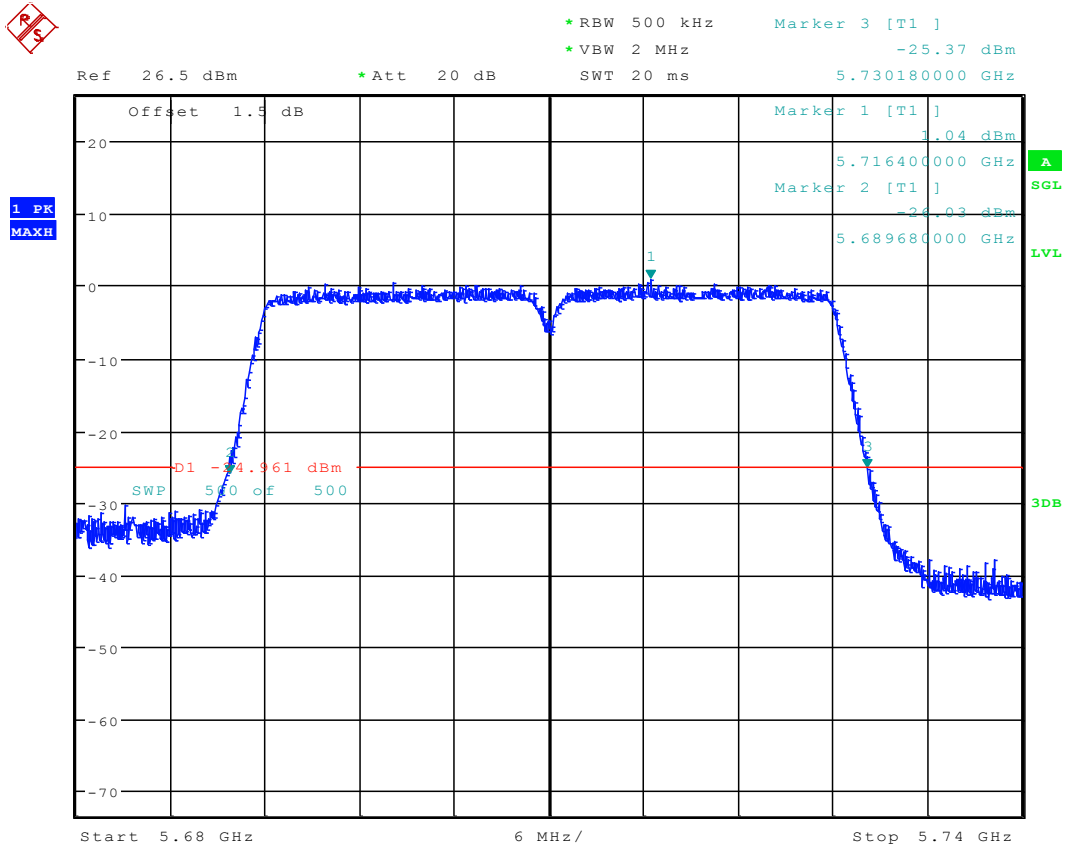
Ref 26.5 dBm      Offset 1.5 dB

1 PK  
MAXH



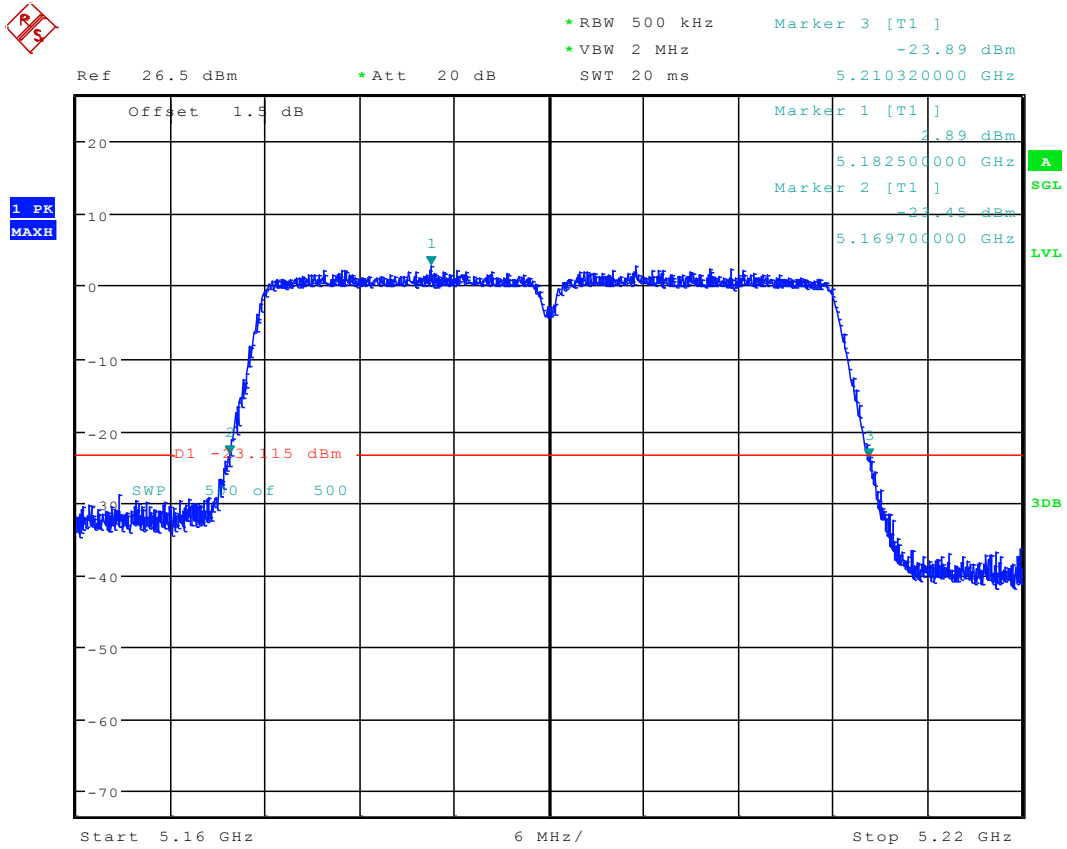
Date: 16.SEP.2017 10:06:46

### 3.112 11AC40\_142 ANT 2



Date: 16.SEP.2017 10:45:18

### 3.113 11AC40MIMO\_38 ANT 1

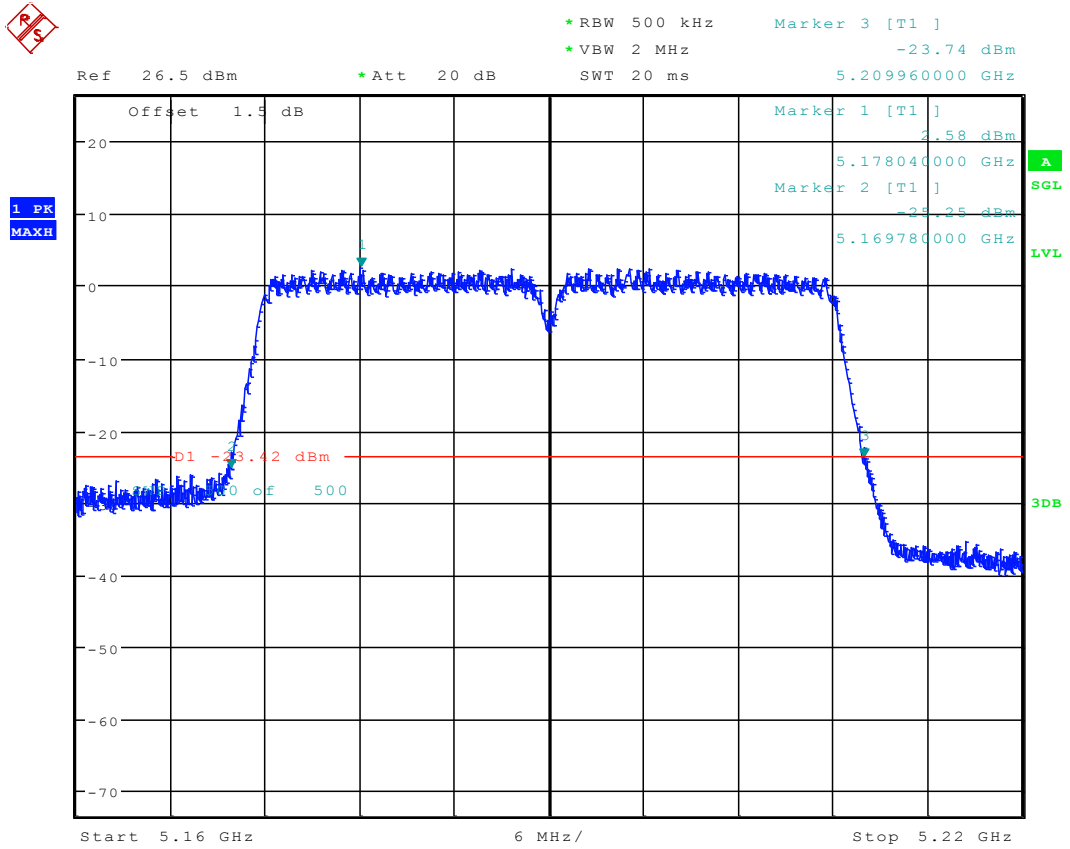


Date: 9.AUG.2017 19:01:34



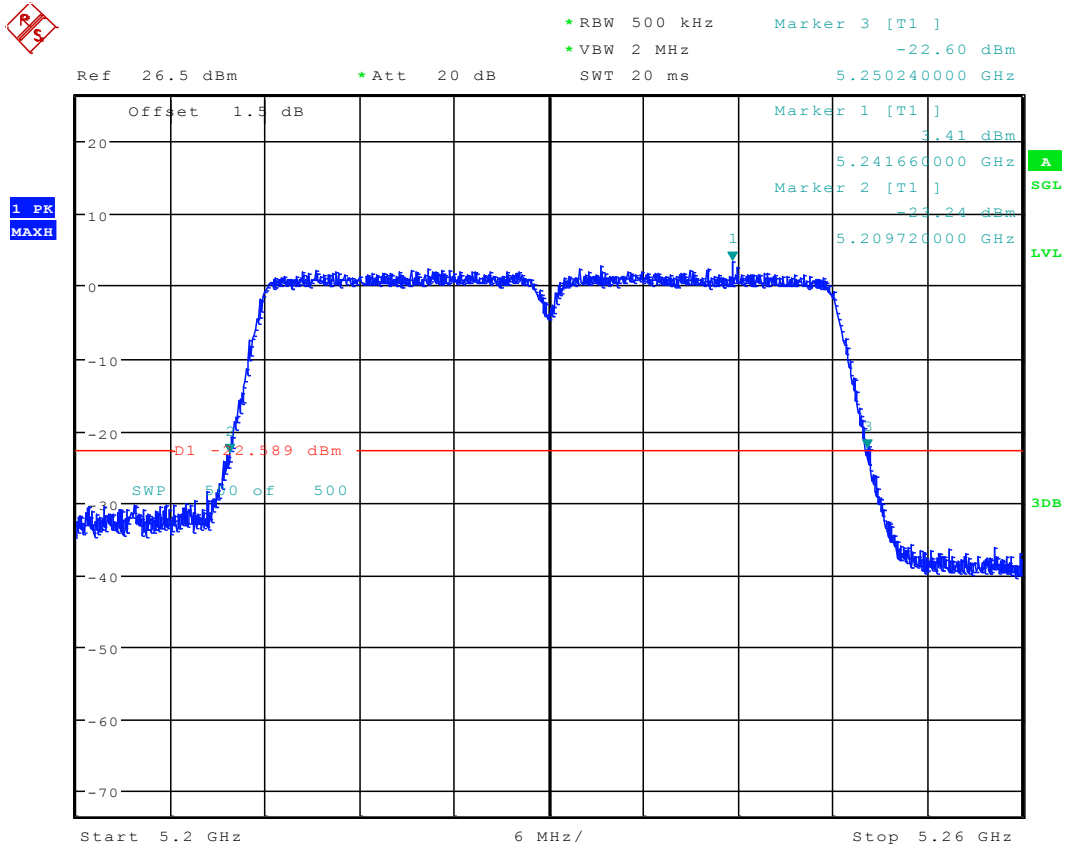


### 3.114 11AC40MIMO\_38 ANT 2



Date: 9.AUG.2017 15:23:19

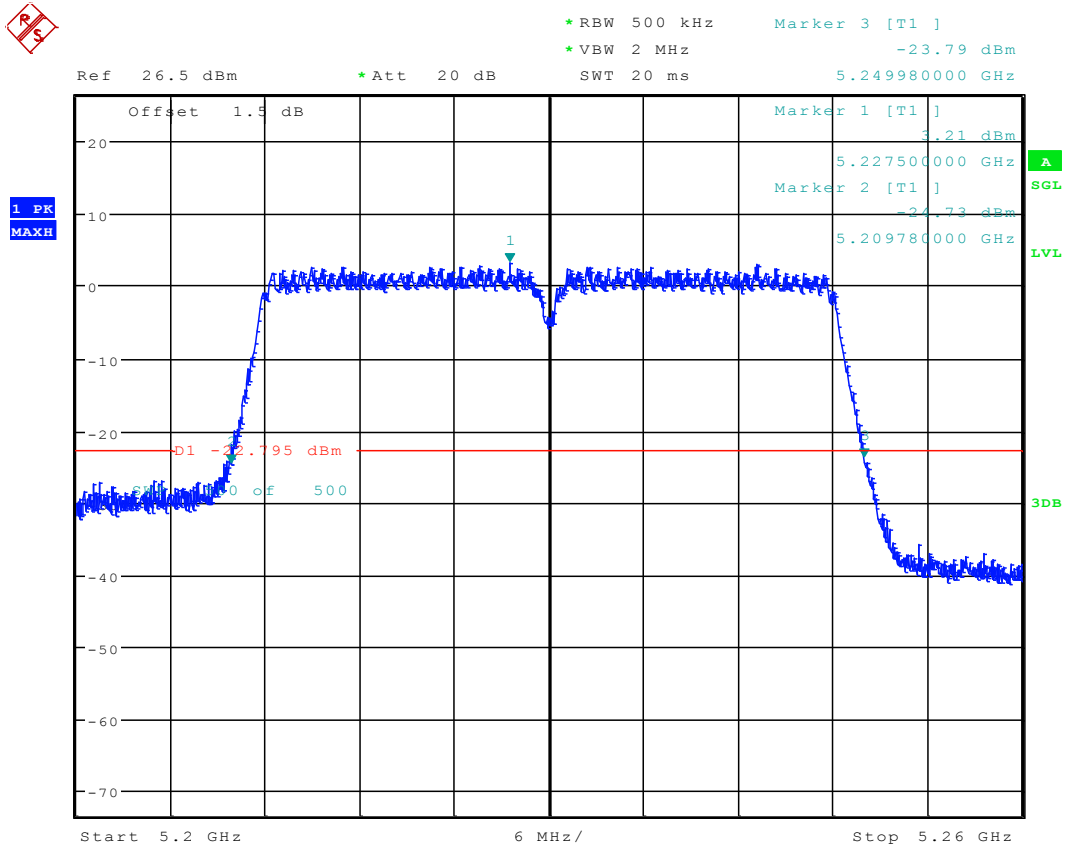
### 3.115 11AC40MIMO\_46 ANT 1



Date: 10.AUG.2017 08:53:17

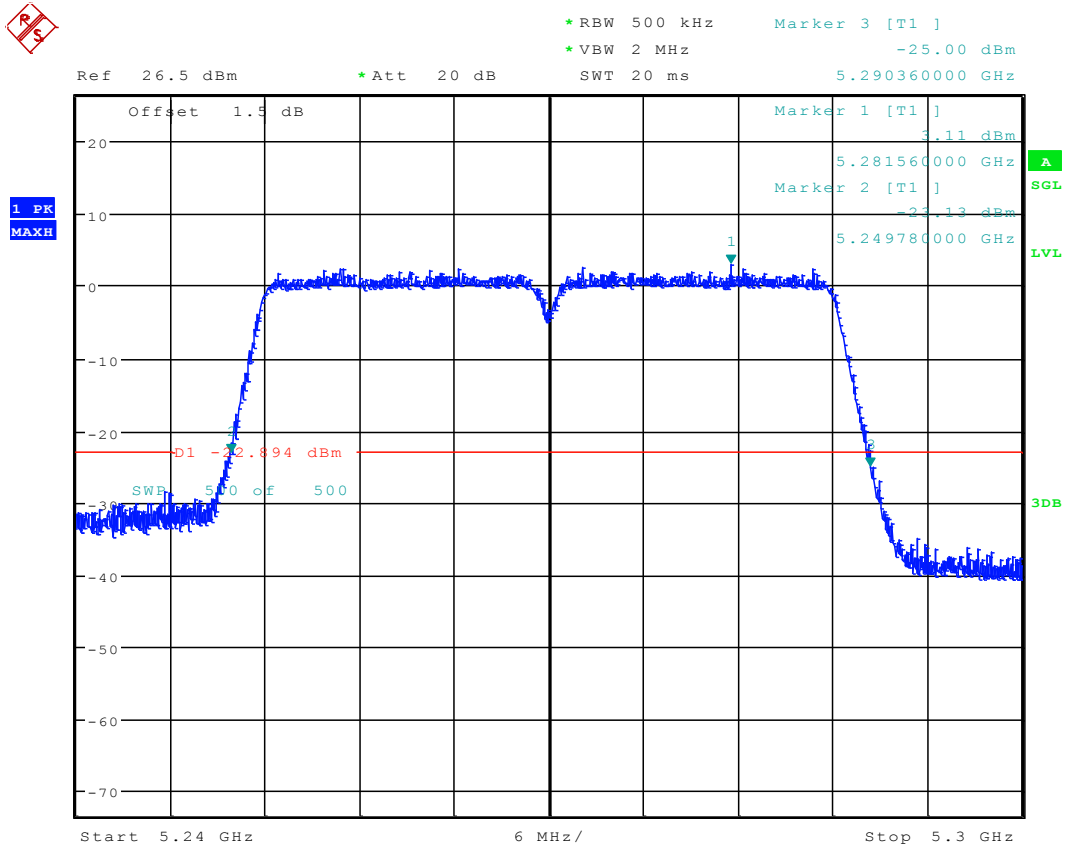


### 3.116 11AC40MIMO\_46 ANT 2



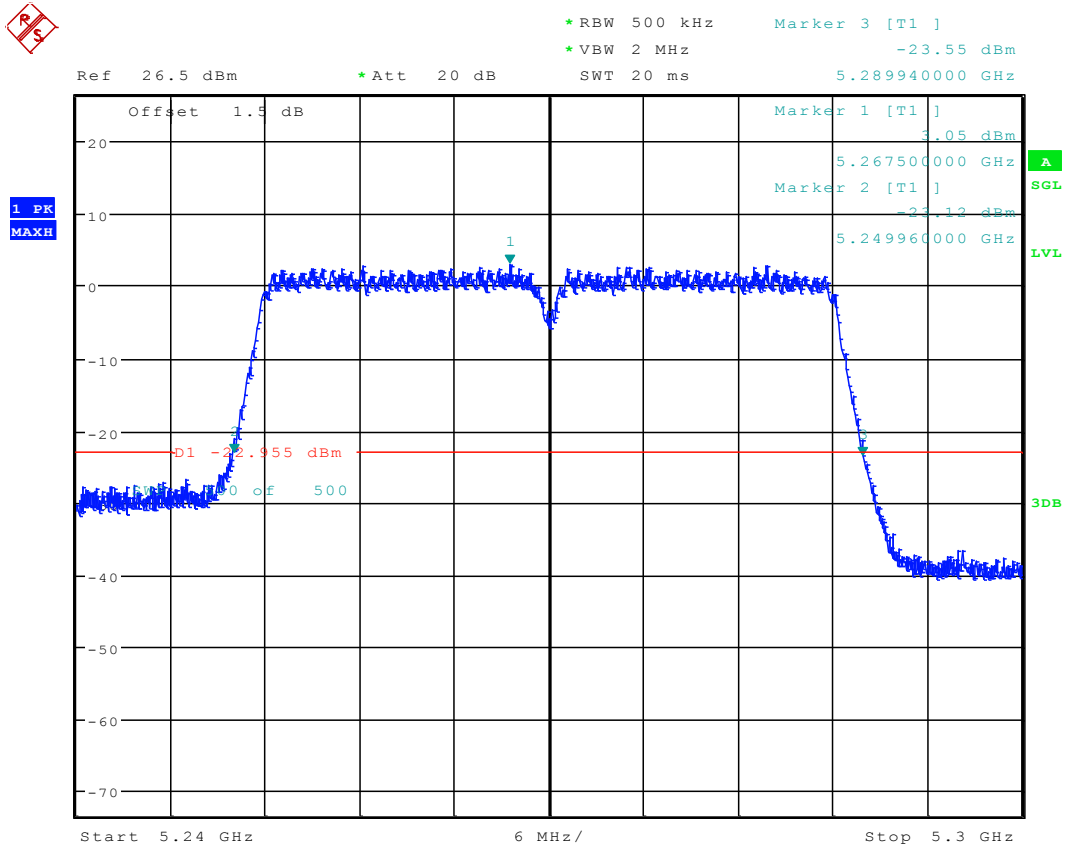
Date: 9.AUG.2017 15:27:48

### 3.117 11AC40MIMO\_54 ANT 1



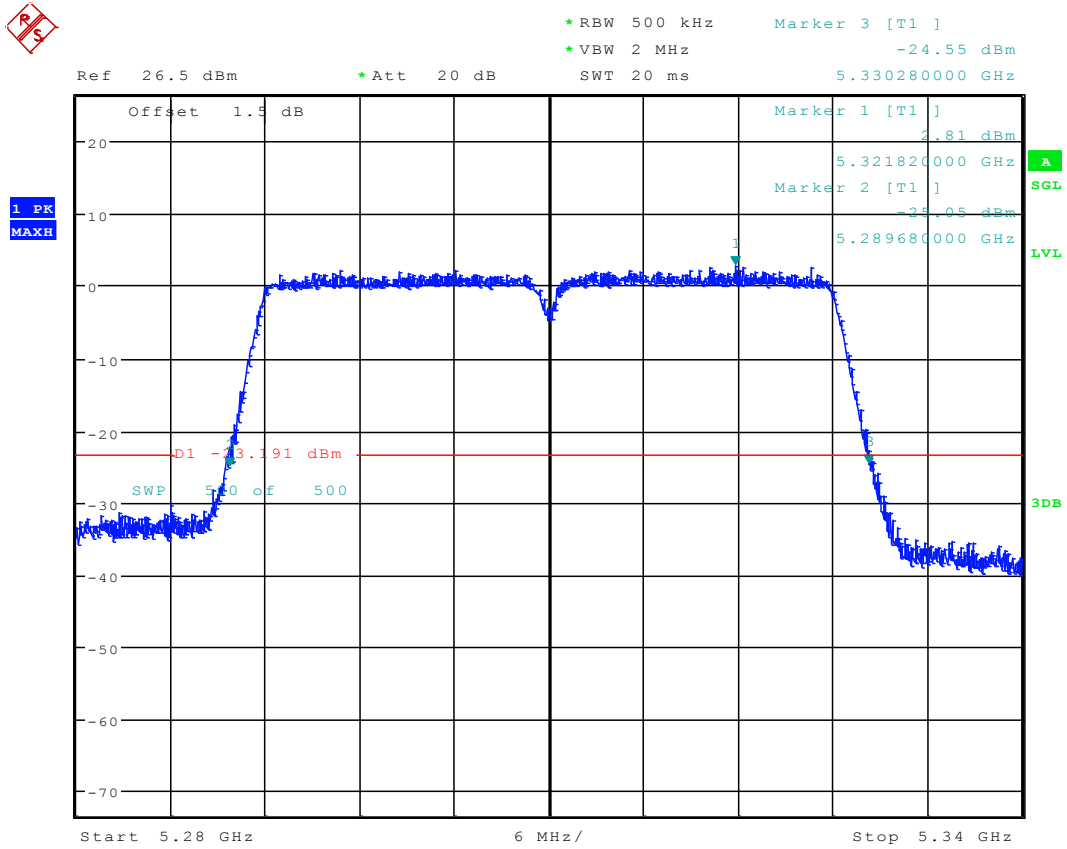
Date: 10.AUG.2017 08:56:18

### 3.118 11AC40MIMO\_54 ANT 2



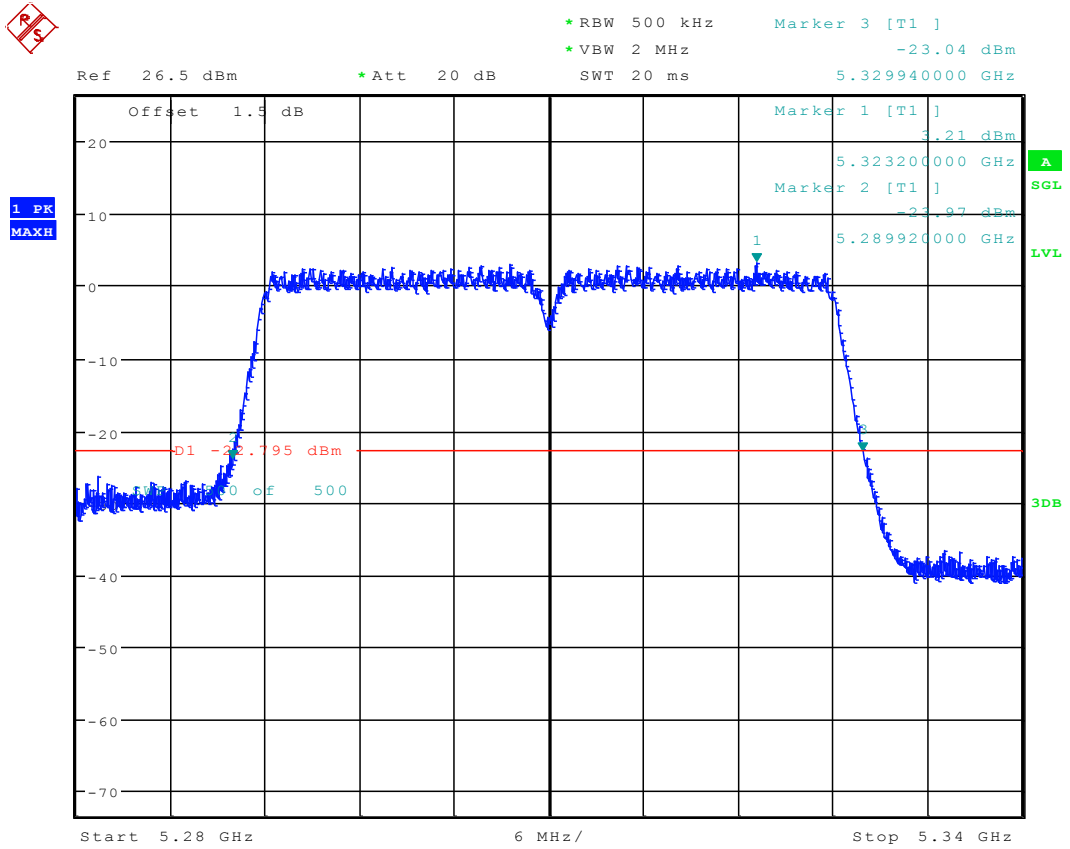
Date: 9.AUG.2017 15:31:08

### 3.119 11AC40MIMO\_62 ANT 1



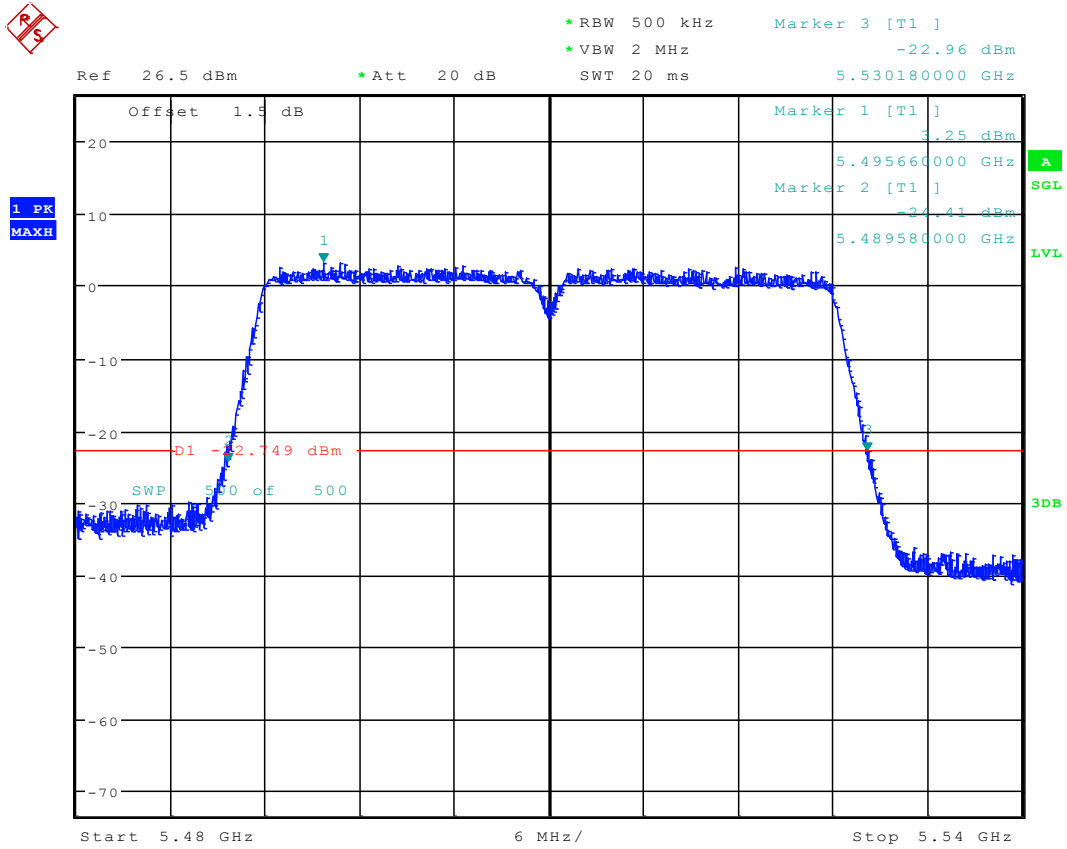
Date: 10.AUG.2017 09:00:35

### 3.120 11AC40MIMO\_62 ANT 2



Date: 9.AUG.2017 15:33:45

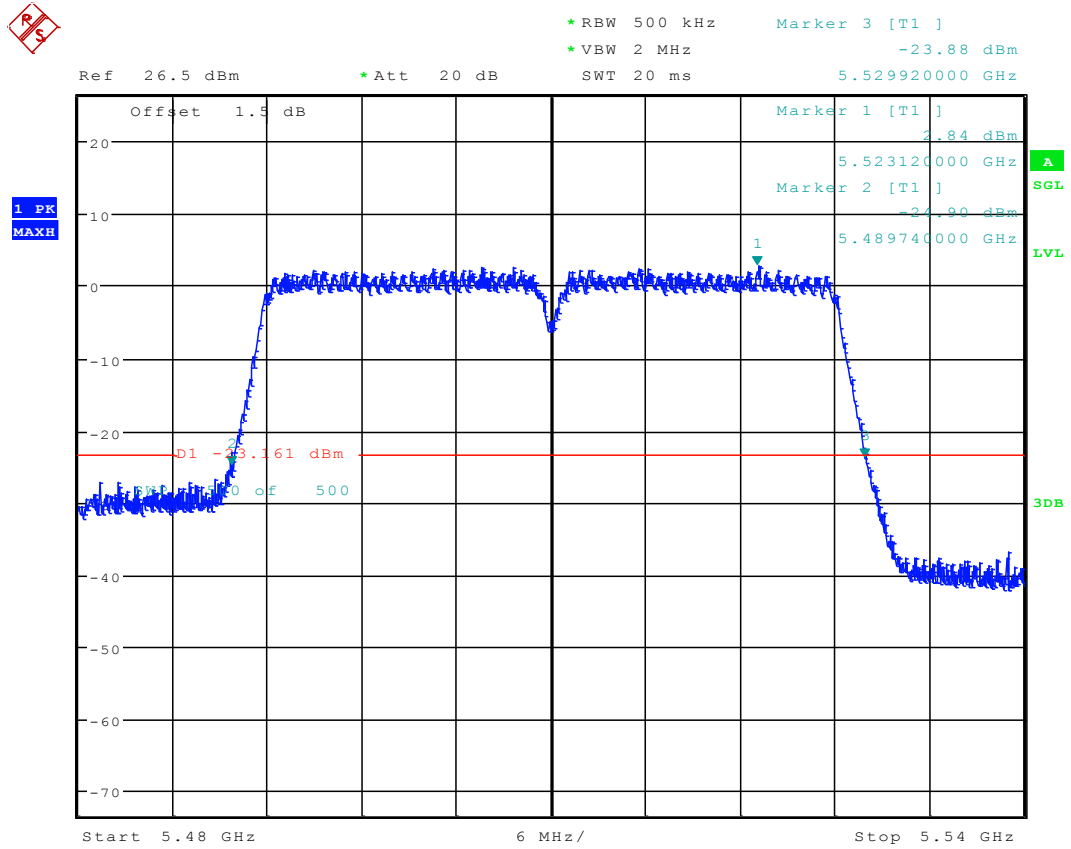
### 3.121 11AC40MIMO\_102 ANT 1



Date: 10.AUG.2017 09:03:17

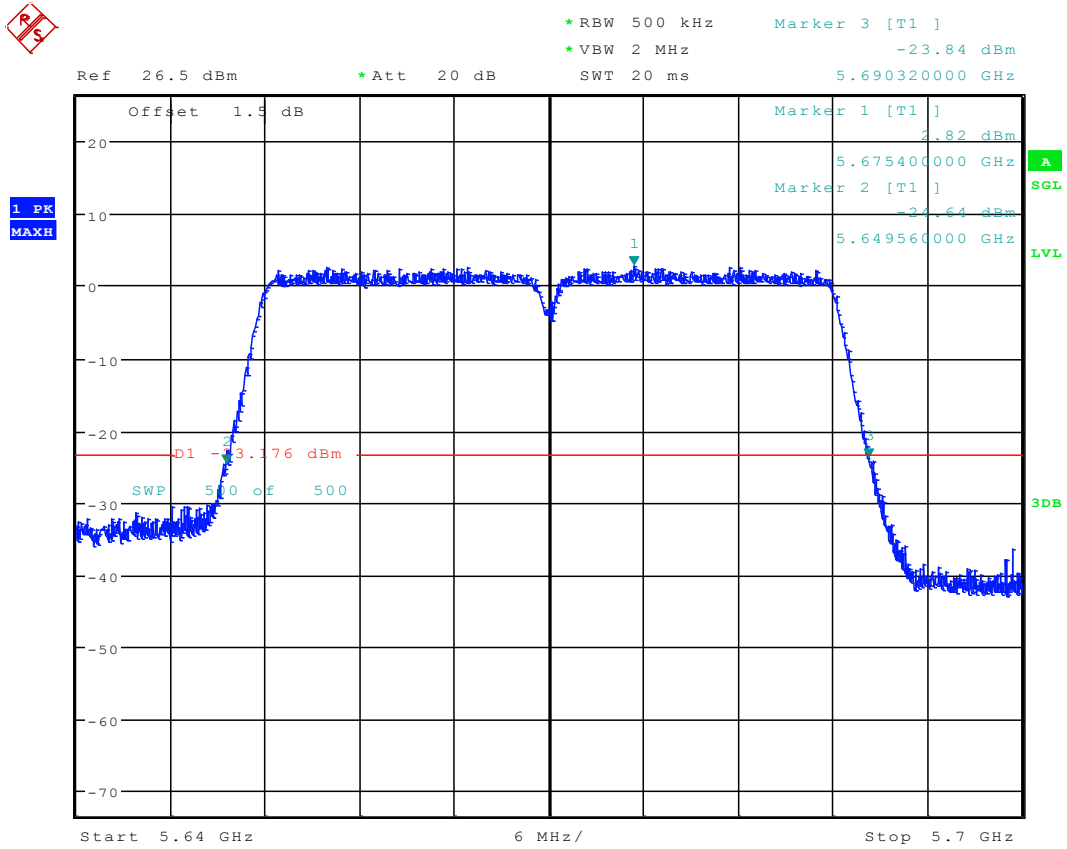


## 3.122 11AC40MIMO\_102 ANT 2



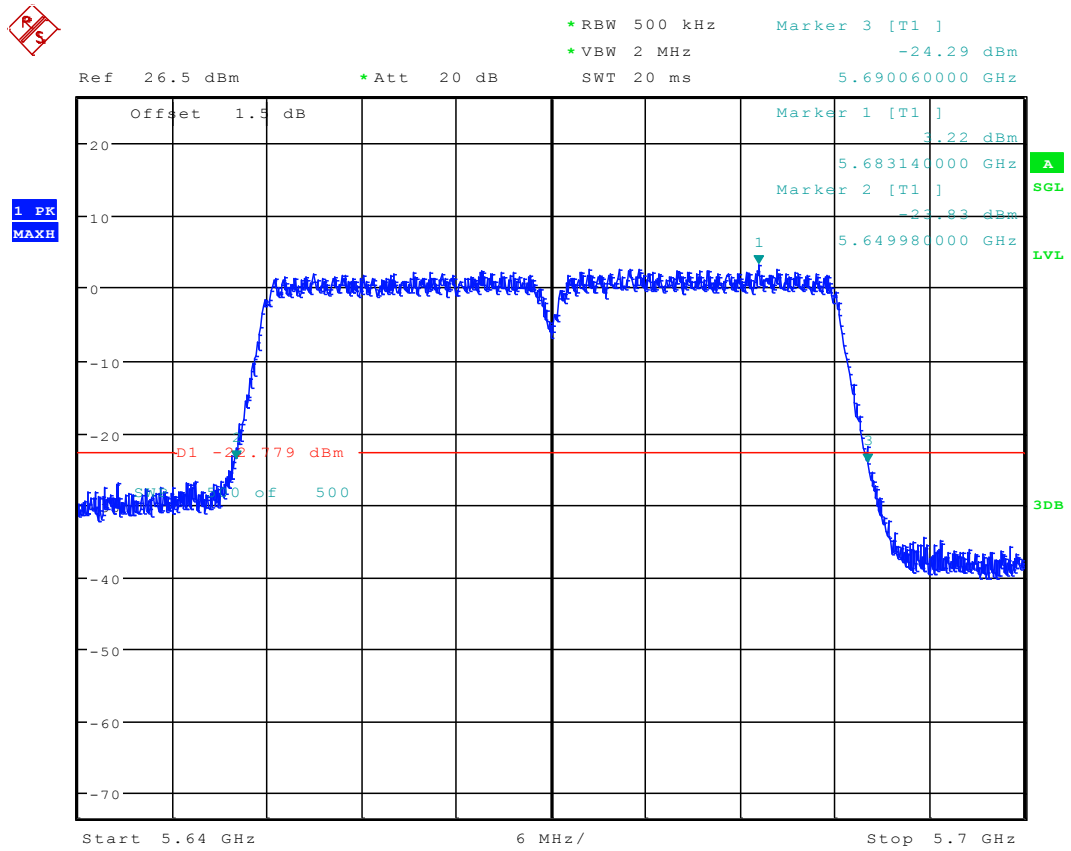
Date: 9.AUG.2017 15:37:16

### 3.123 11AC40MIMO\_134 ANT 1



Date: 10.AUG.2017 09:05:53

### 3.124 11AC40MIMO\_134 ANT 2



Date: 9.AUG.2017 15:40:03

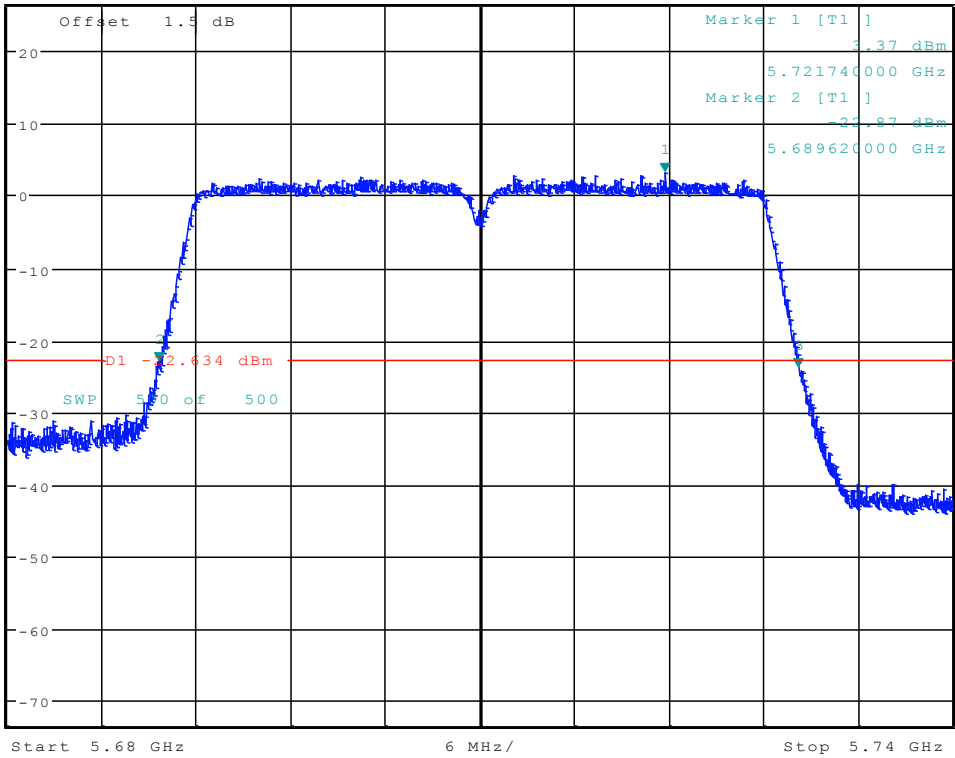
### 3.125 11AC40MIMO\_142 ANT 1



\*RBW 500 kHz      Marker 3 [T1 ]  
 \*VBW 2 MHz      -23.92 dBm  
 SWT 20 ms      5.730220000 GHz

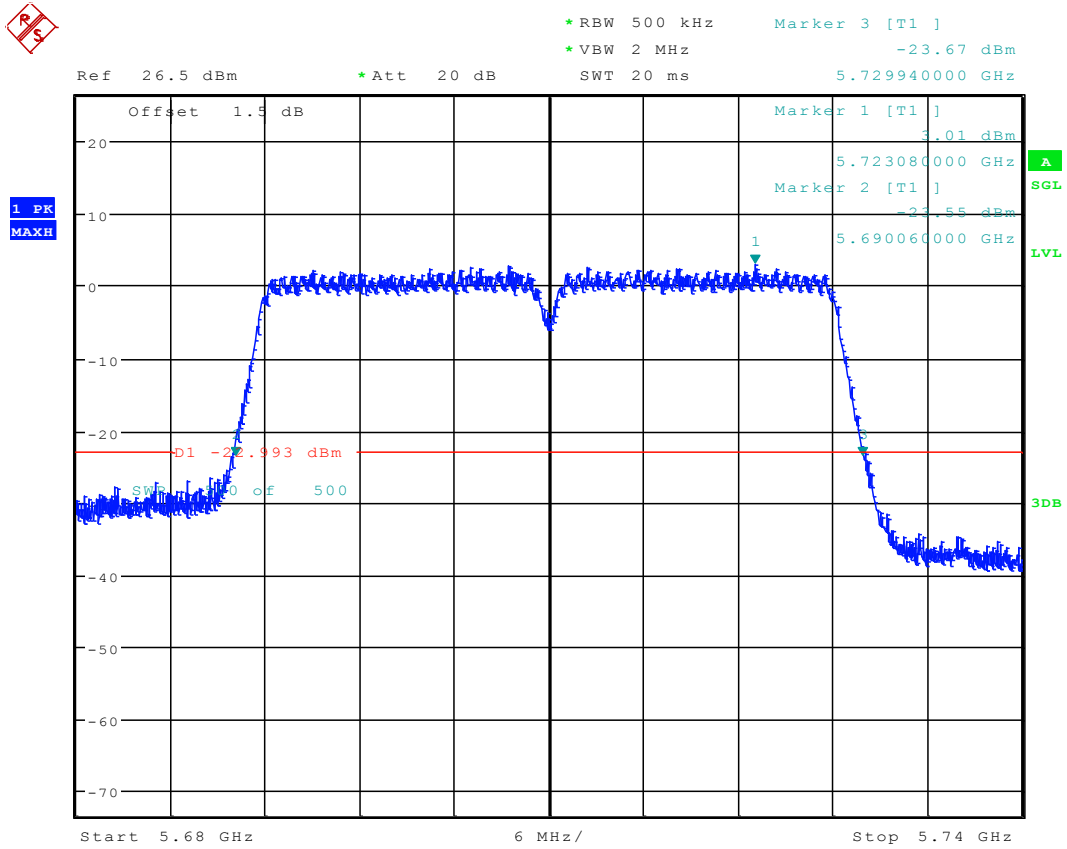
Ref 26.5 dBm      \*Att 20 dB

1 PK  
MAXH



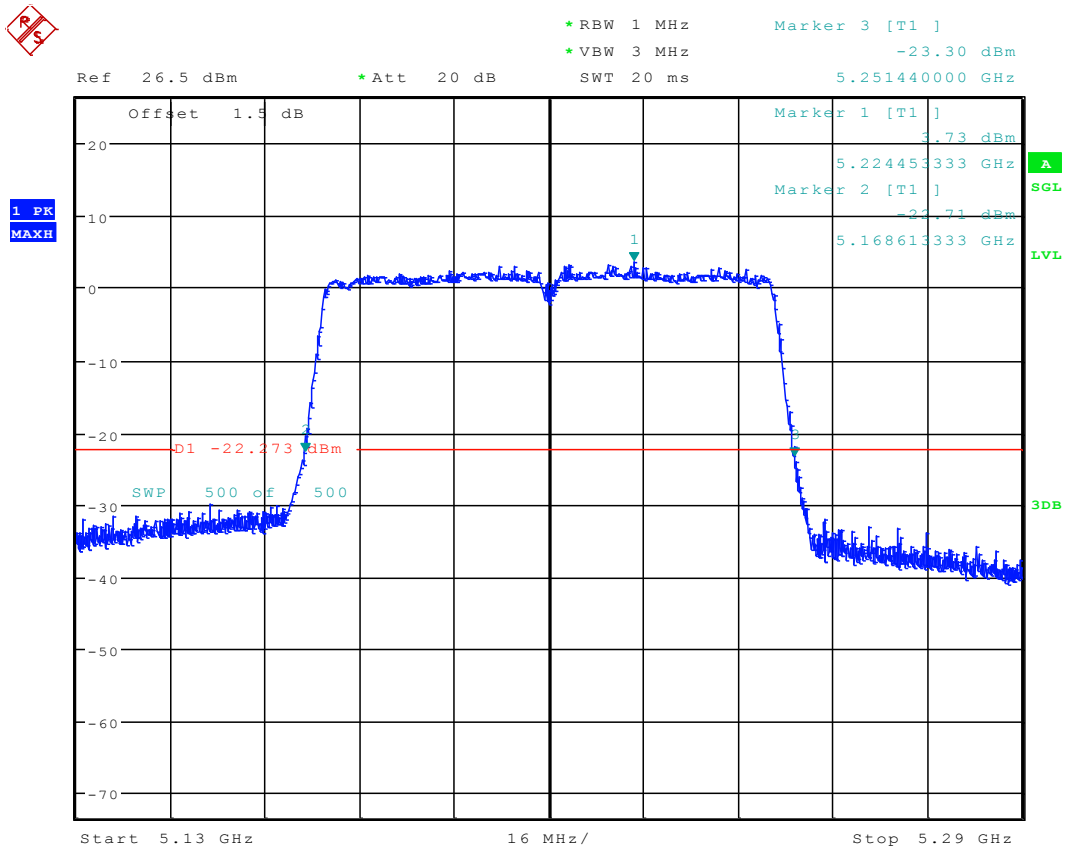
Date: 16.SEP.2017 11:07:13

### 3.126 11AC40MIMO\_142 ANT 2



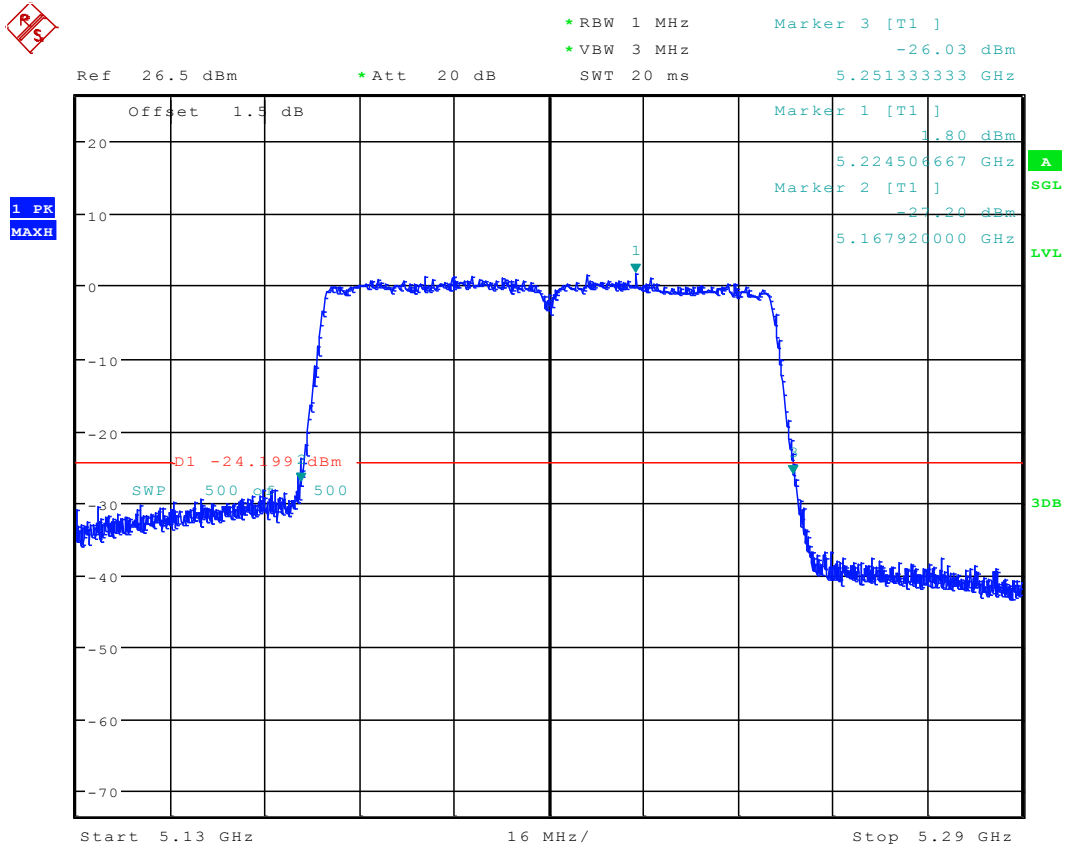
Date: 16.SEP.2017 11:41:55

### 3.127 11AC80\_42 ANT 1



Date: 7.AUG.2017 11:07:24

### 3.128 11AC80\_42 ANT 2



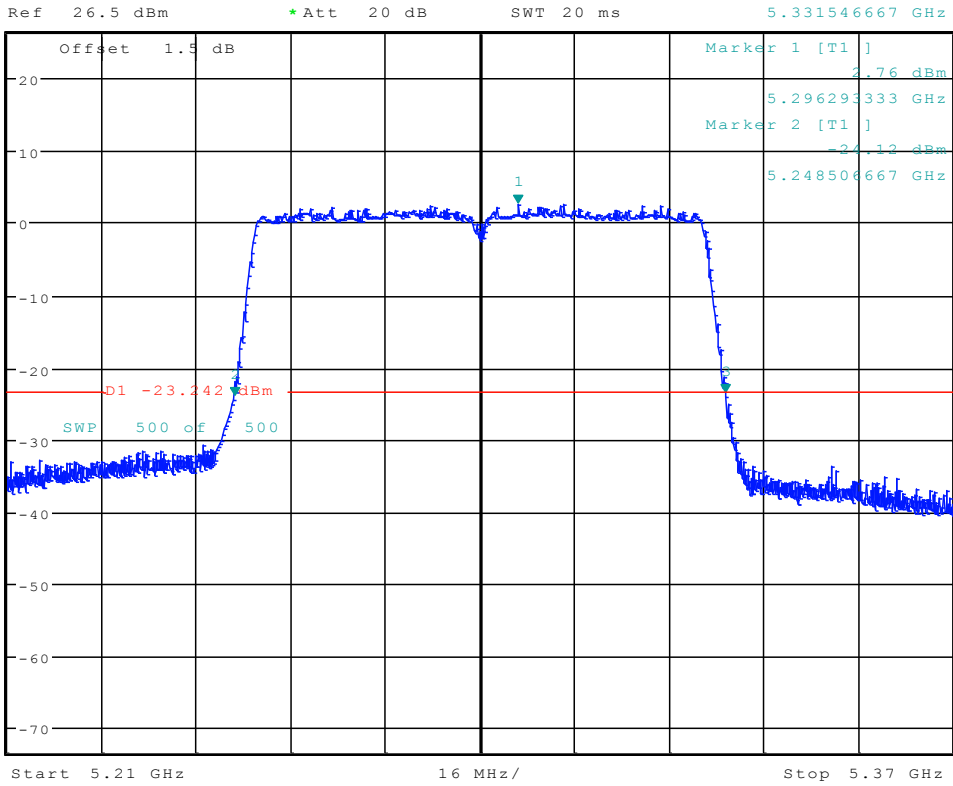
Date: 7.AUG.2017 16:24:01



### 3.129 11AC80\_58 ANT 1



\*RBW 1 MHz      Marker 3 [T1 ]  
 \*VBW 3 MHz      -23.56 dBm  
 SWT 20 ms      5.331546667 GHz

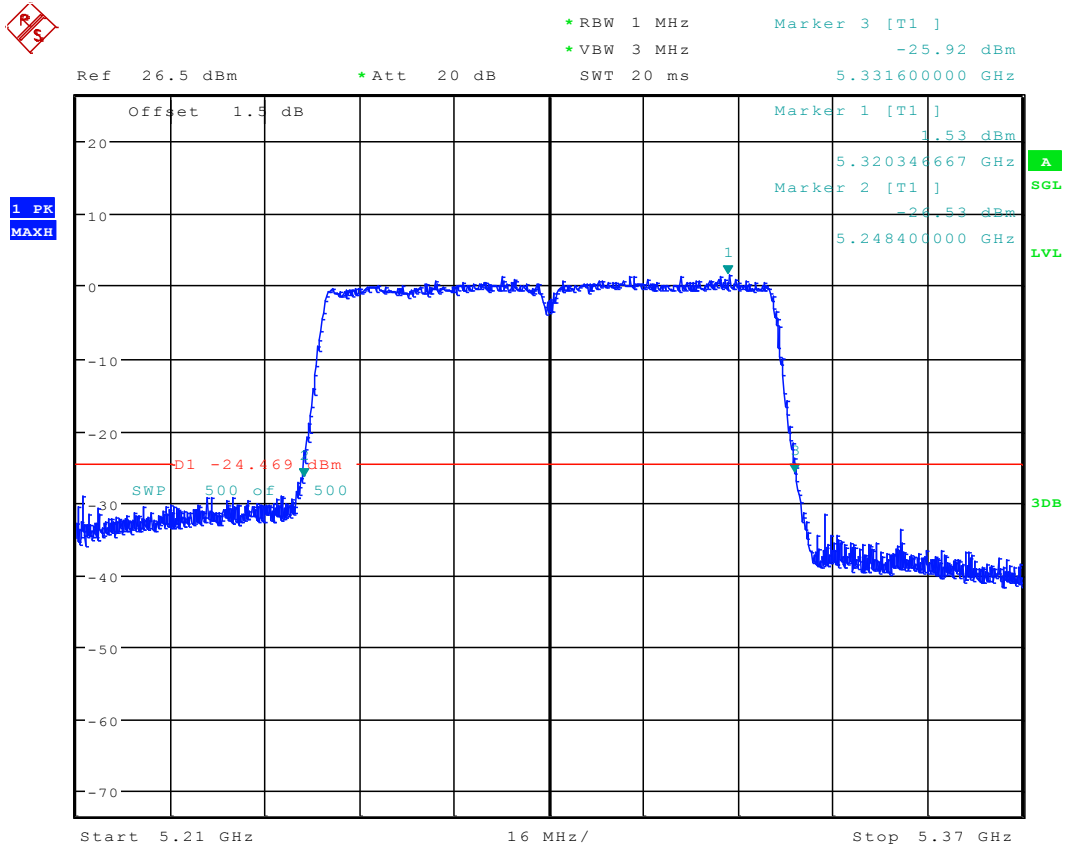


Date: 7.AUG.2017 11:11:24



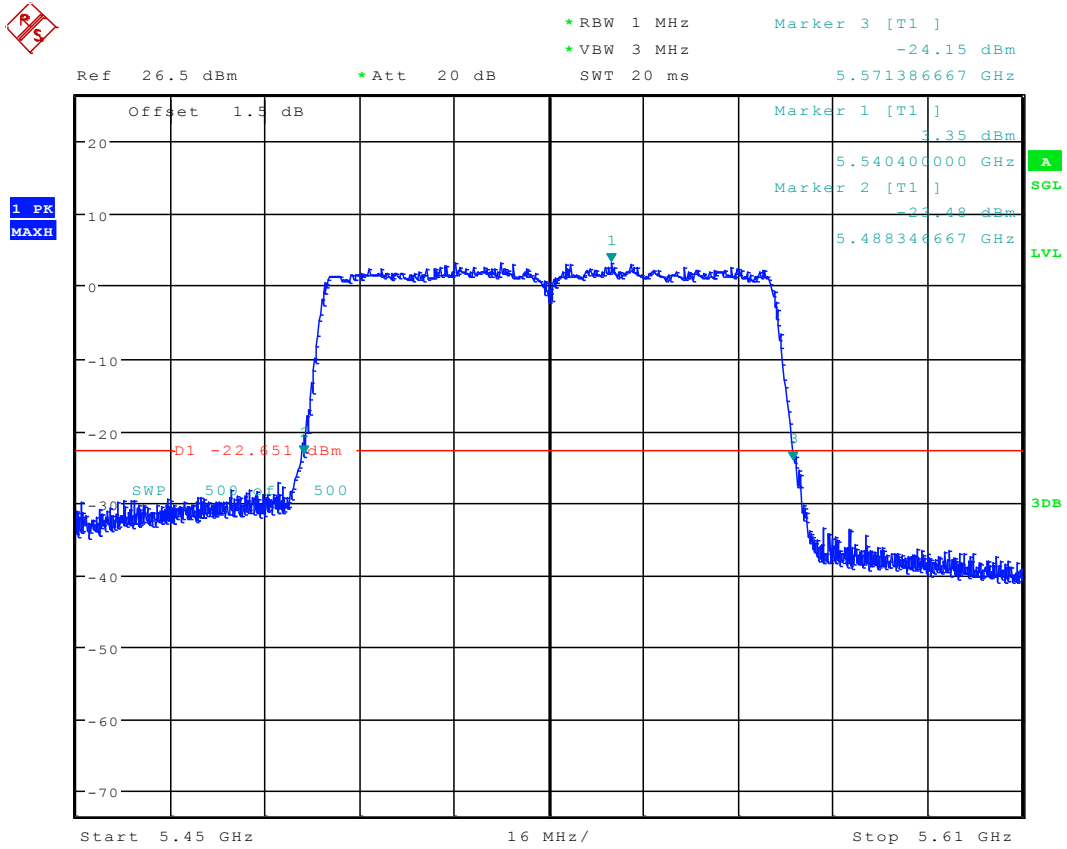


### 3.130 11AC80\_58 ANT 2



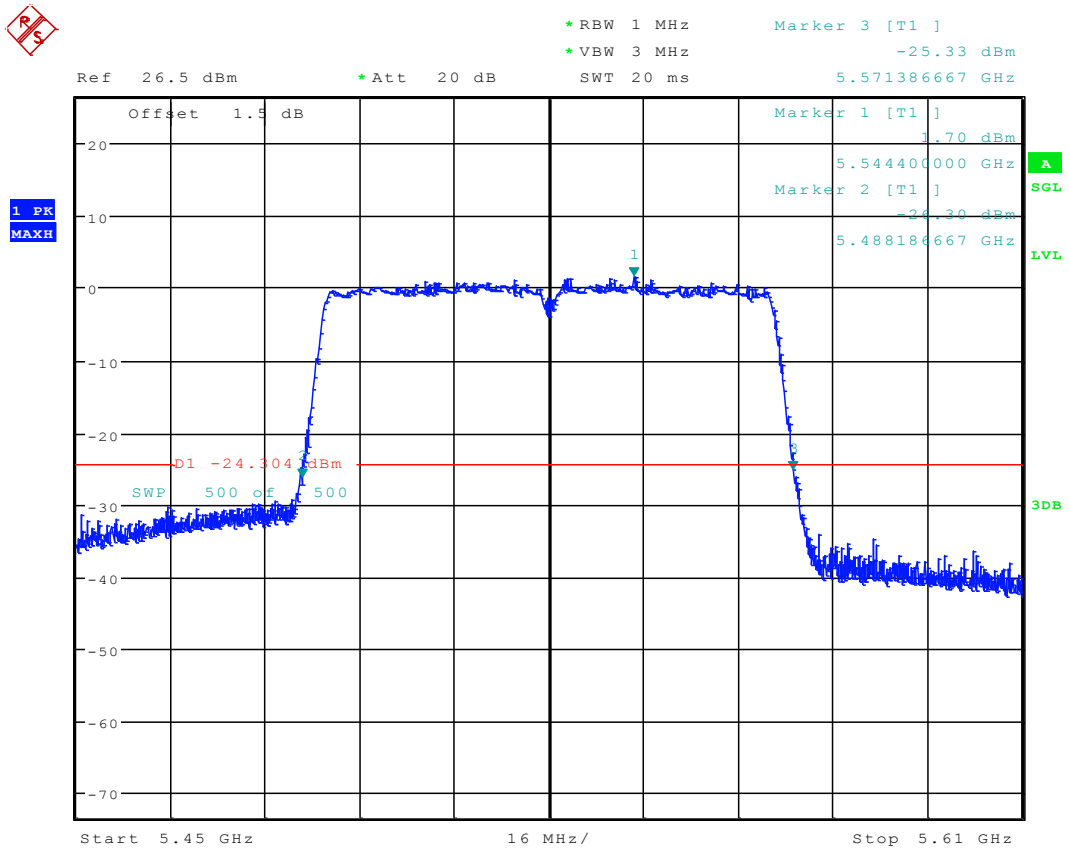
Date: 7.AUG.2017 16:27:07

### 3.131 11AC80\_106 ANT 1



Date: 7.AUG.2017 11:15:14

### 3.132 11AC80\_106 ANT 2

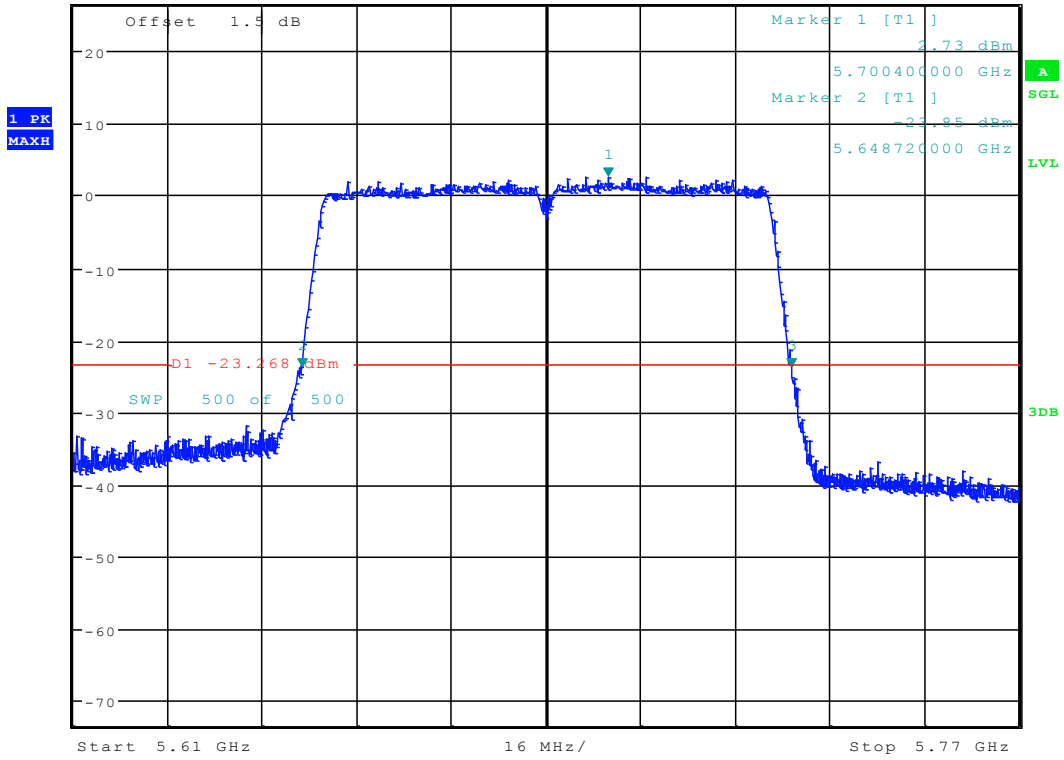


Date: 7.AUG.2017 16:30:22

### 3.133 11AC80\_138 ANT 1



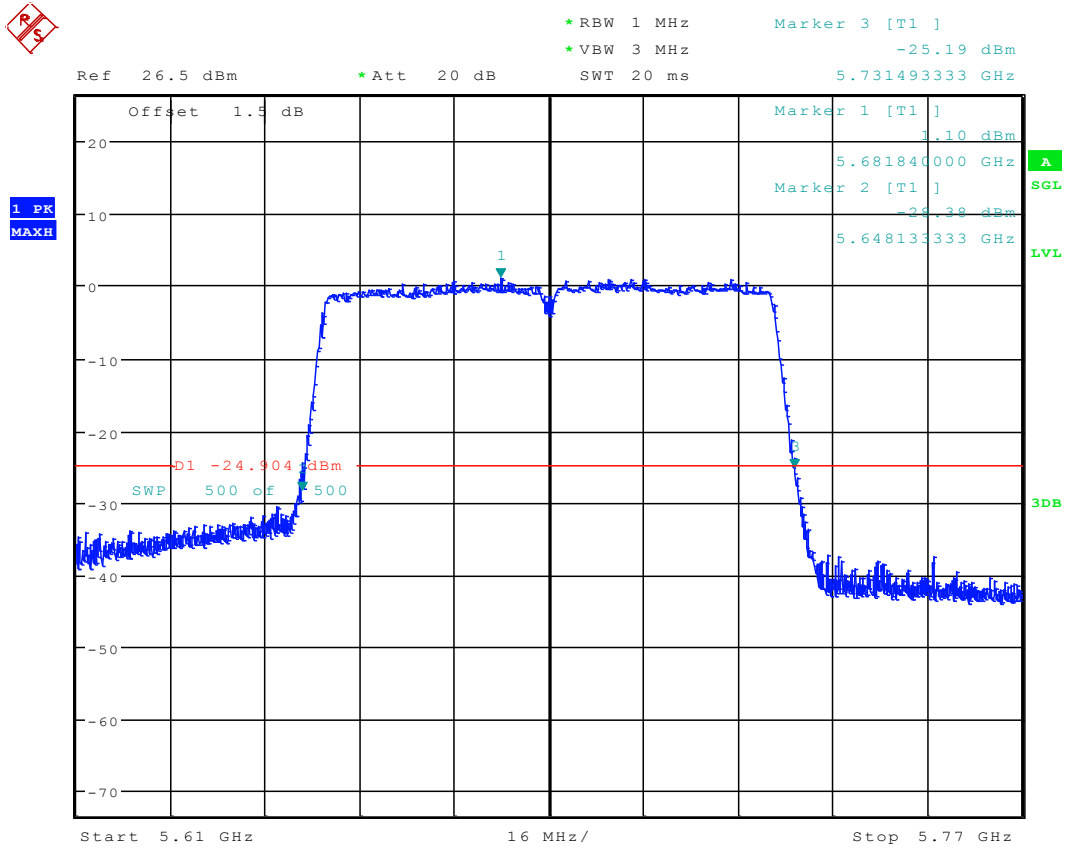
\*RBW 1 MHz      Marker 3 [T1 ]  
 \*VBW 3 MHz      -23.90 dBm  
 \*Att 20 dB      5.731546667 GHz  
 Ref 26.5 dBm      SWT 20 ms



Date: 16.SEP.2017 10:10:53



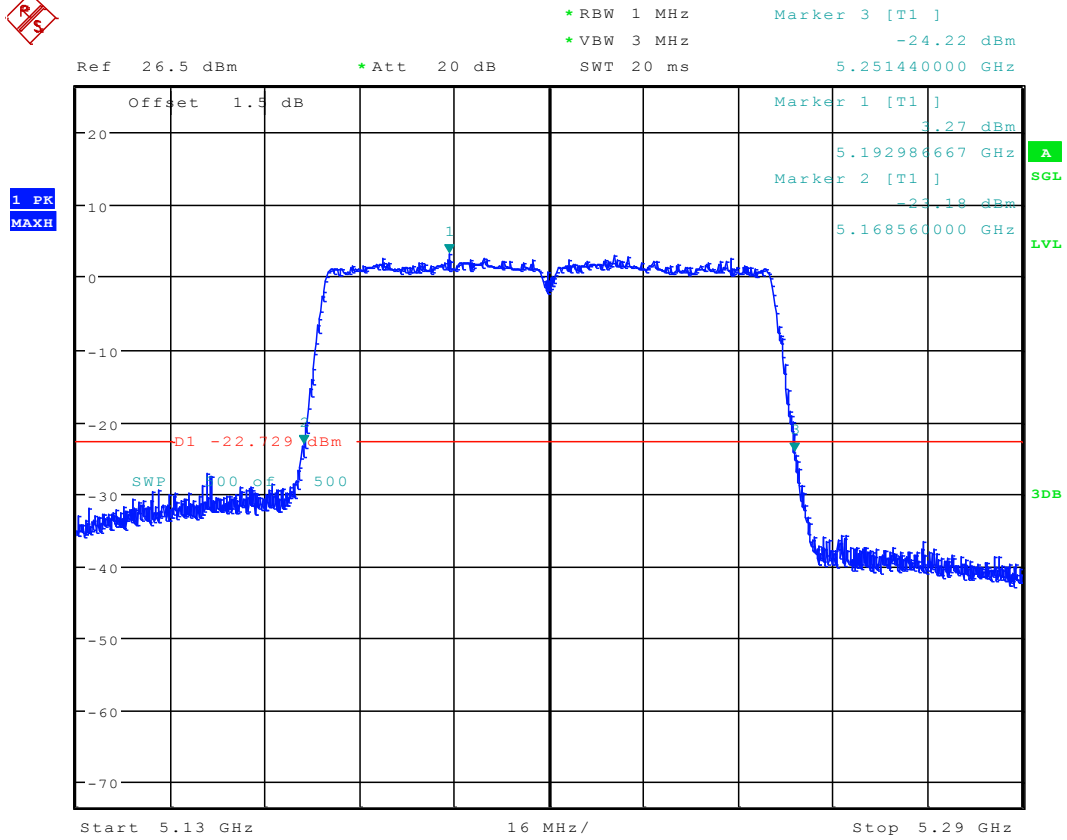
### 3.134 11AC80\_138 ANT 2



Date: 16.SEP.2017 10:19:26



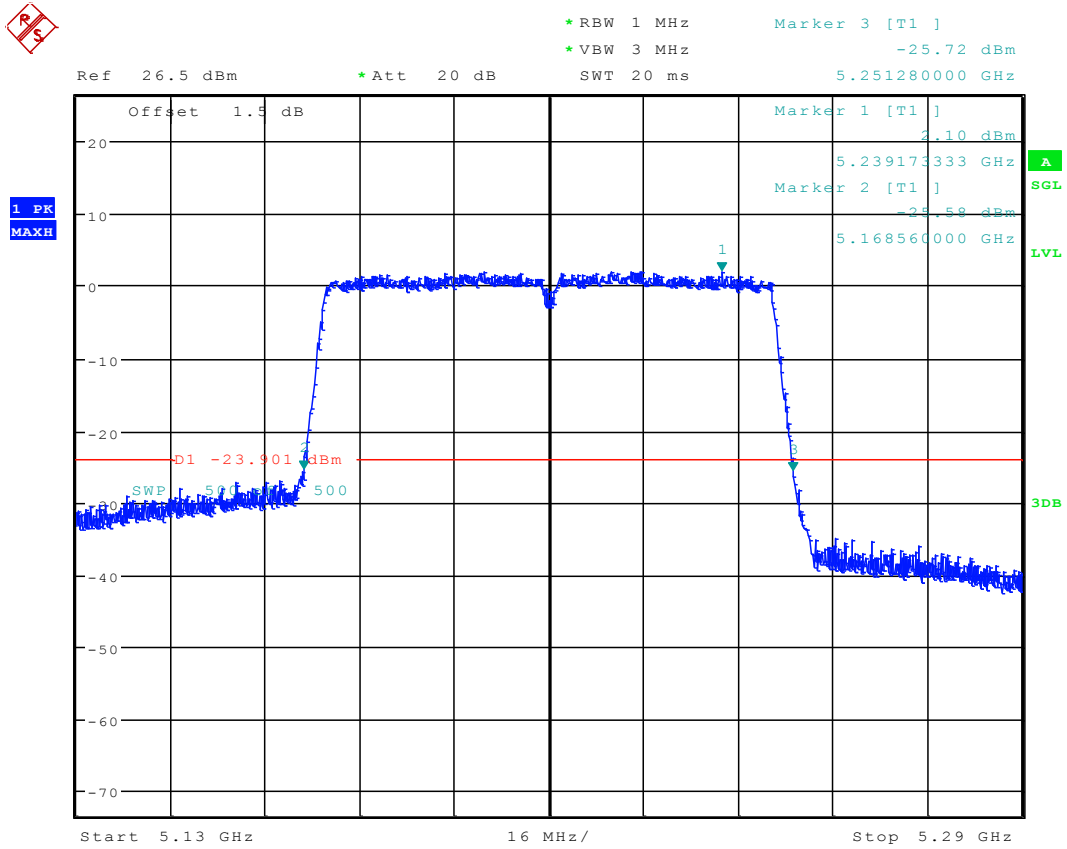
### 3.135 11AC80MIMO\_42 ANT 1



Date: 9.AUG.2017 18:46:41

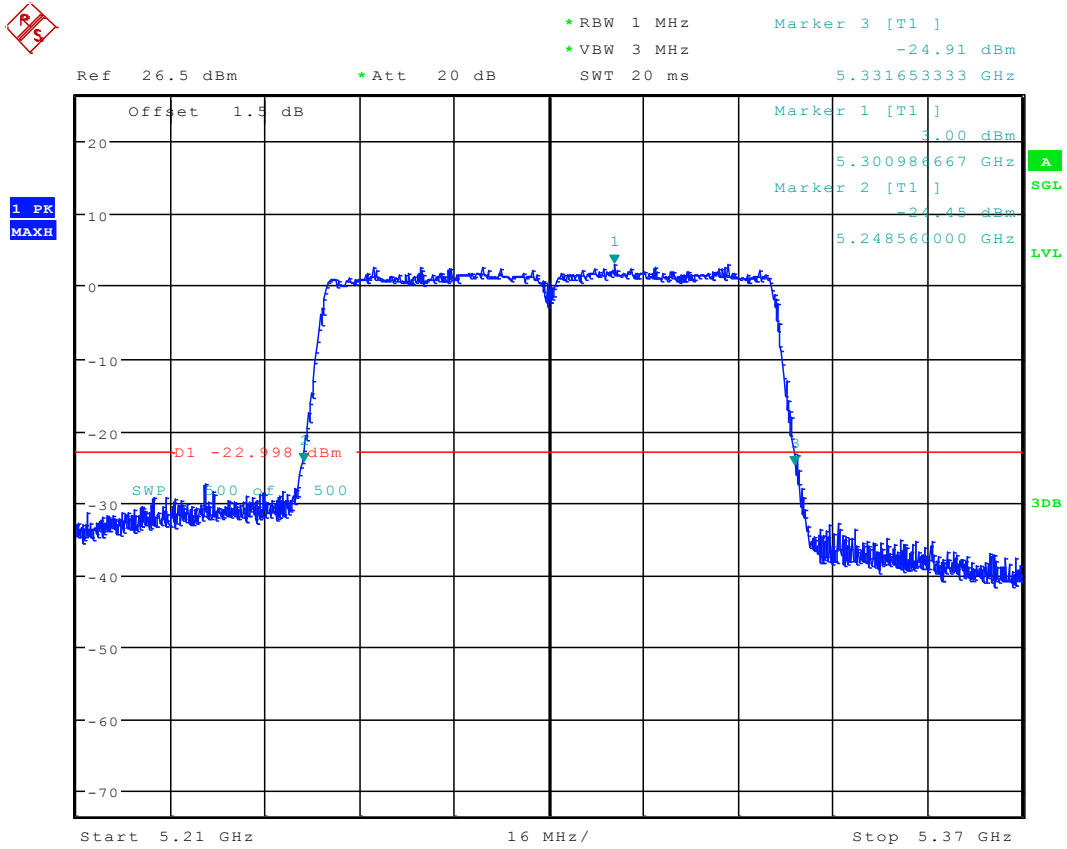


### 3.136 11AC80MIMO\_42 ANT 2



Date: 9.AUG.2017 16:32:51

### 3.137 11AC80MIMO\_58 ANT 1

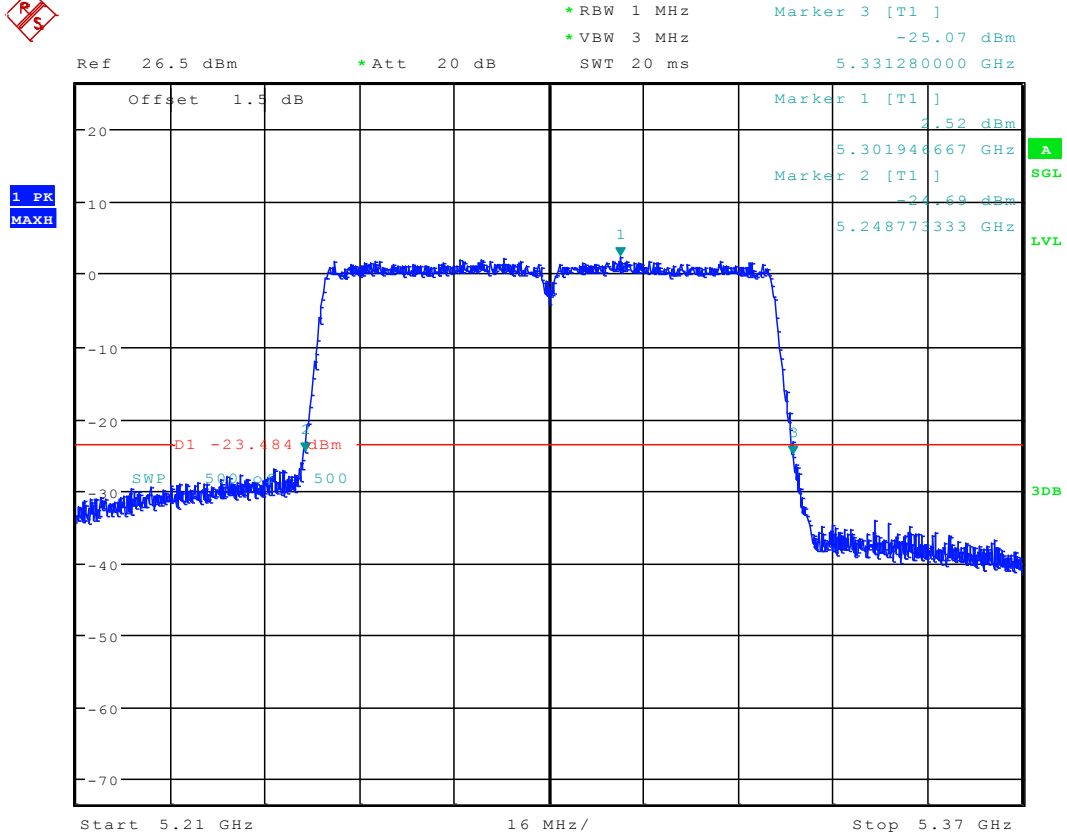


Date: 9.AUG.2017 18:49:34





### 3.138 11AC80MIMO\_58 ANT 2



Date: 9.AUG.2017 16:35:58

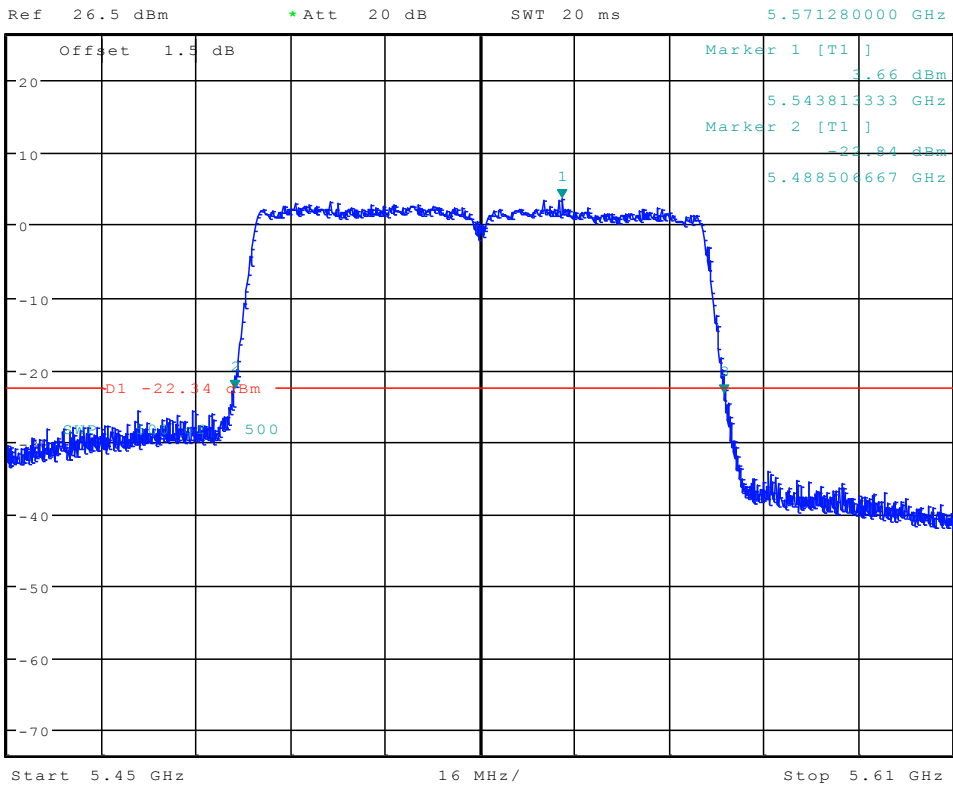


### 3.139 11AC80MIMO\_106 ANT 1



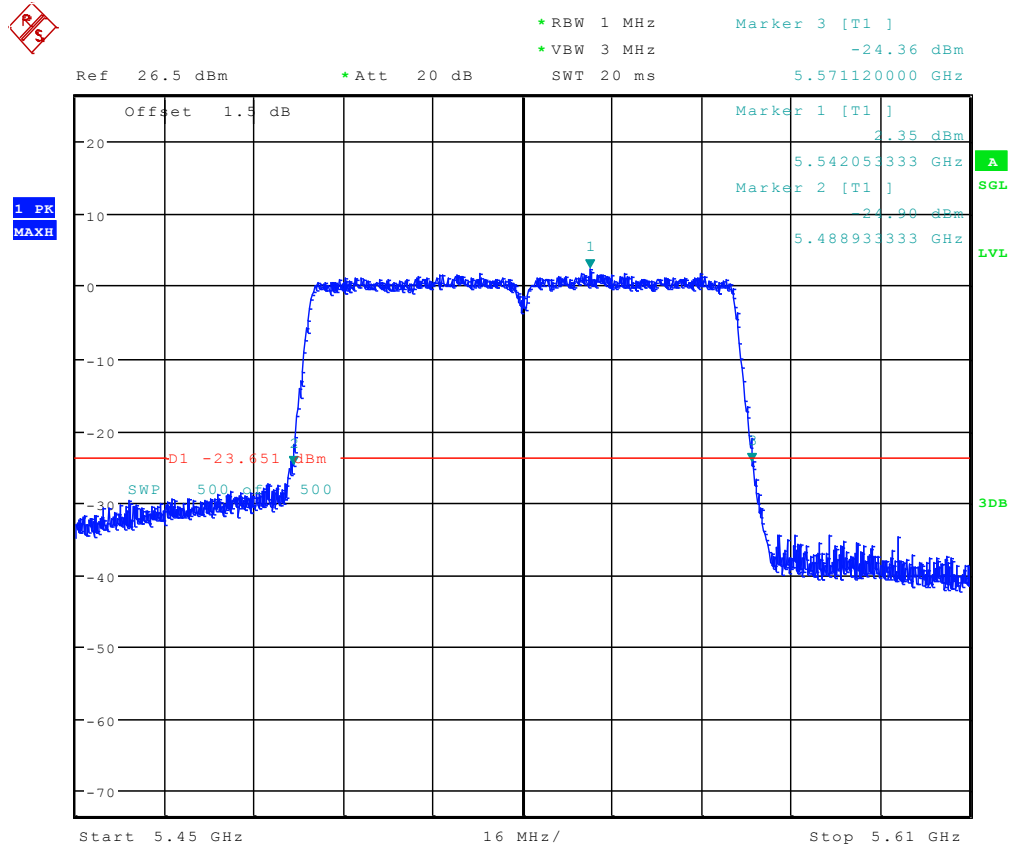
\*RBW 1 MHz  
 \*VBW 3 MHz  
 SWT 20 ms

Marker 3 [T1 ]  
 -23.34 dBm  
 5.571280000 GHz



Date: 9.AUG.2017 18:52:19

### 3.140 11AC80MIMO\_106 ANT 2



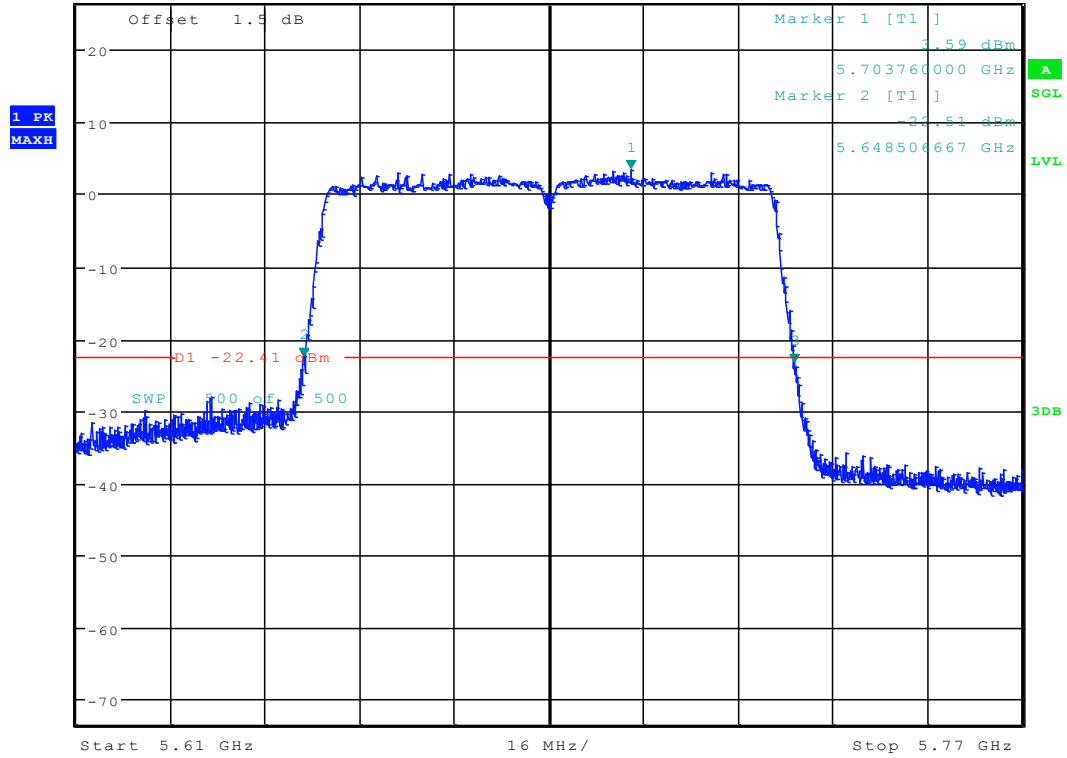
Date: 9.AUG.2017 16:39:06



### 3.141 11AC80MIMO\_138 ANT 1

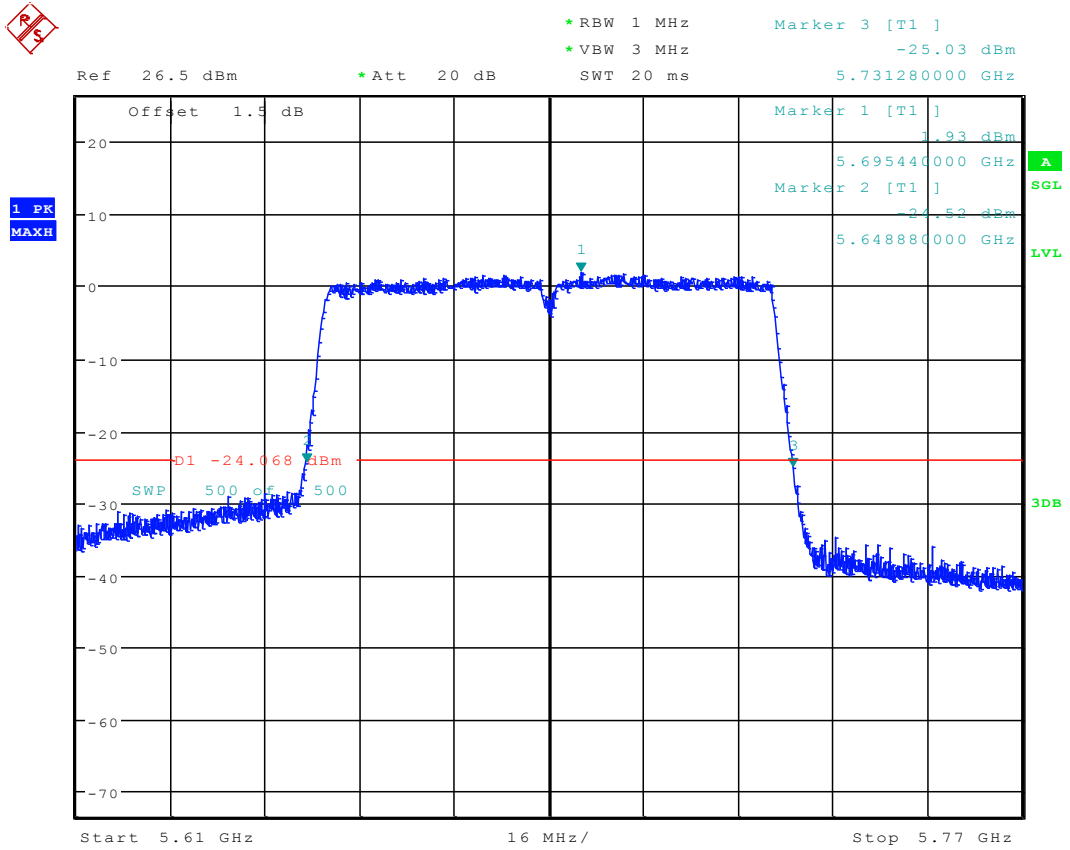


\*RBW 1 MHz      Marker 3 [T1 ]  
 \*VBW 3 MHz      -23.31 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.731546667 GHz



Date: 16.SEP.2017 11:10:18

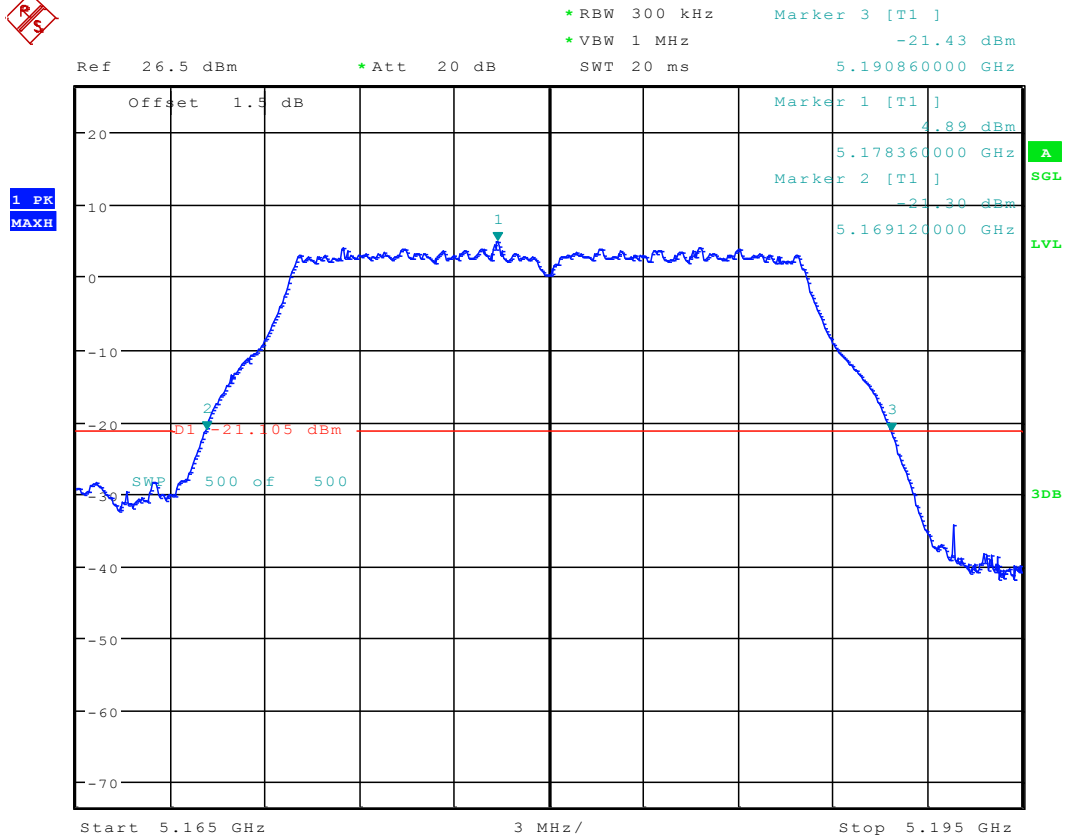
### 3.142 11AC80MIMO\_138 ANT 2



Date: 16.SEP.2017 11:44:44



### 3.143 11A-CDD\_36 ANT1



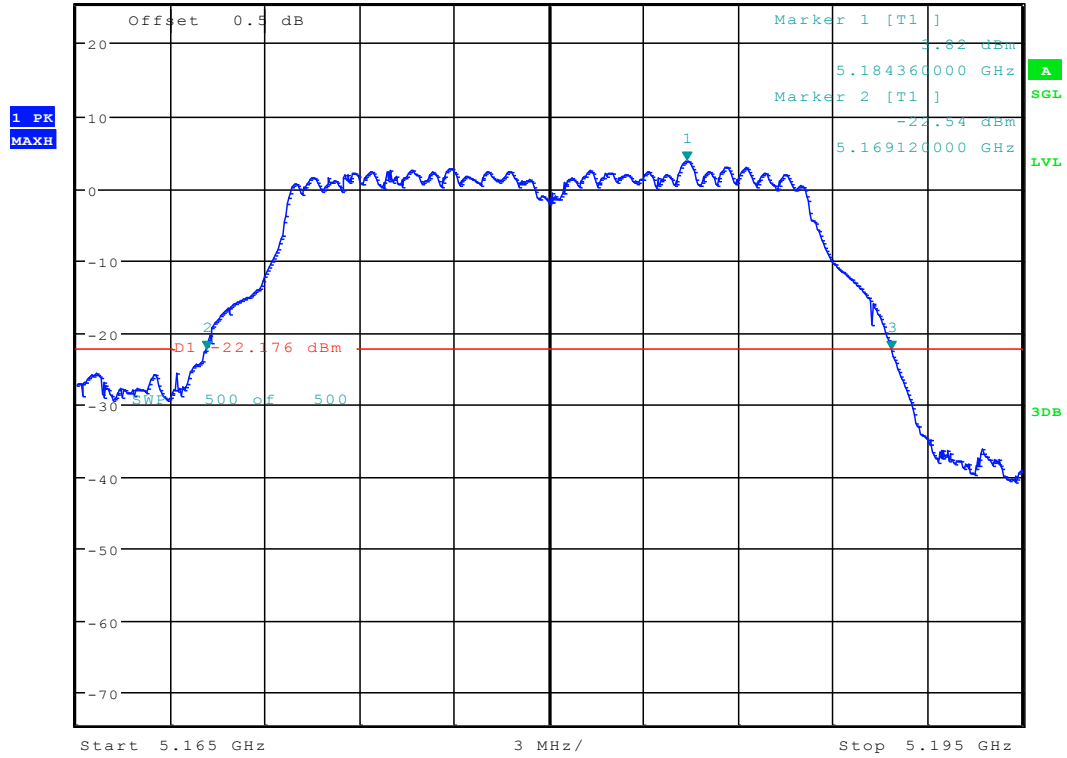
Date: 9.AUG.2017 11:04:28



### 3.144 11A-CDD\_36 ANT 2



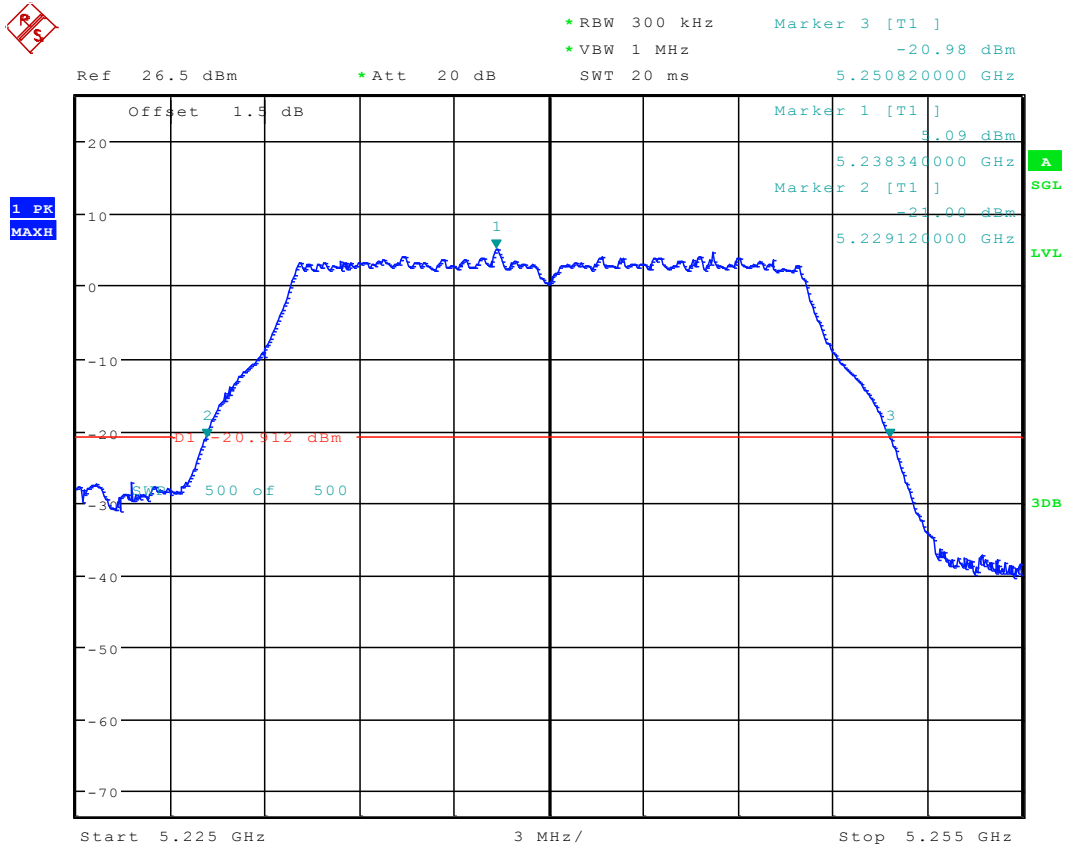
\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -22.45 dBm  
 Ref 25.5 dBm      \*Att 20 dB      SWT 20 ms      5.190860000 GHz



Date: 9.AUG.2017 11:49:44



### 3.145 11A-CDD\_48 ANT 1

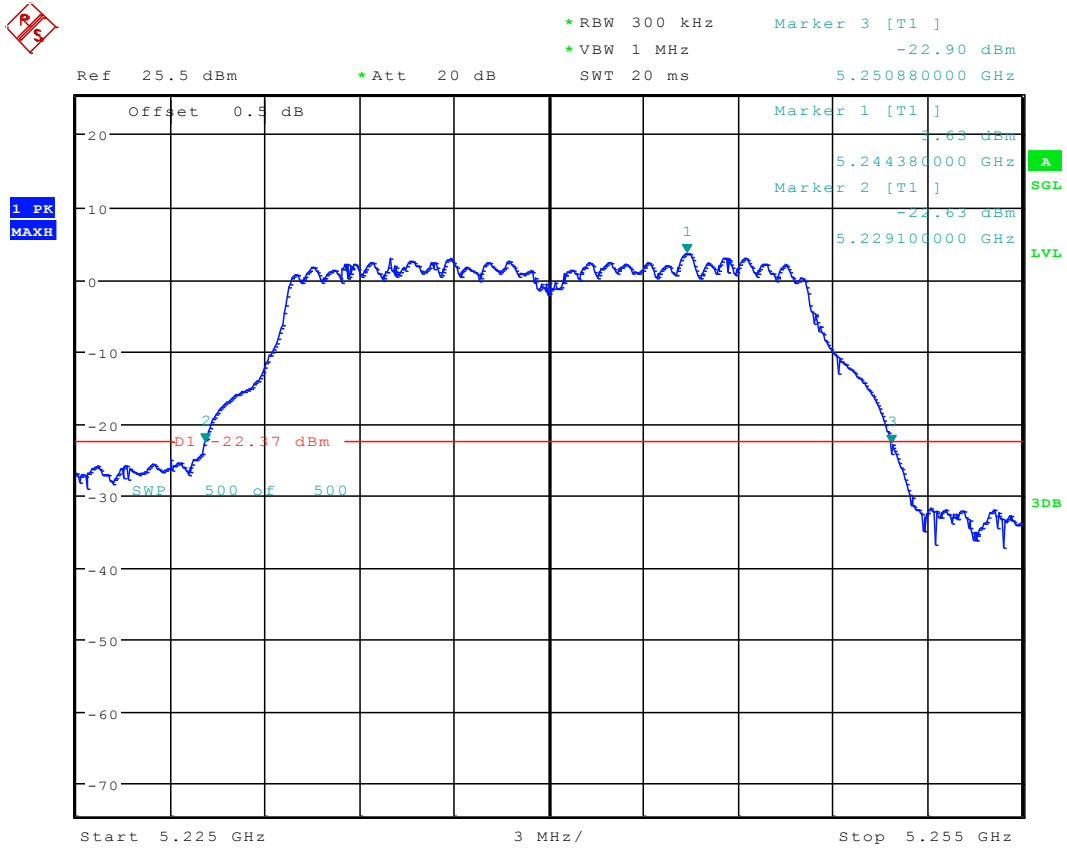


Date: 9.AUG.2017 11:08:12





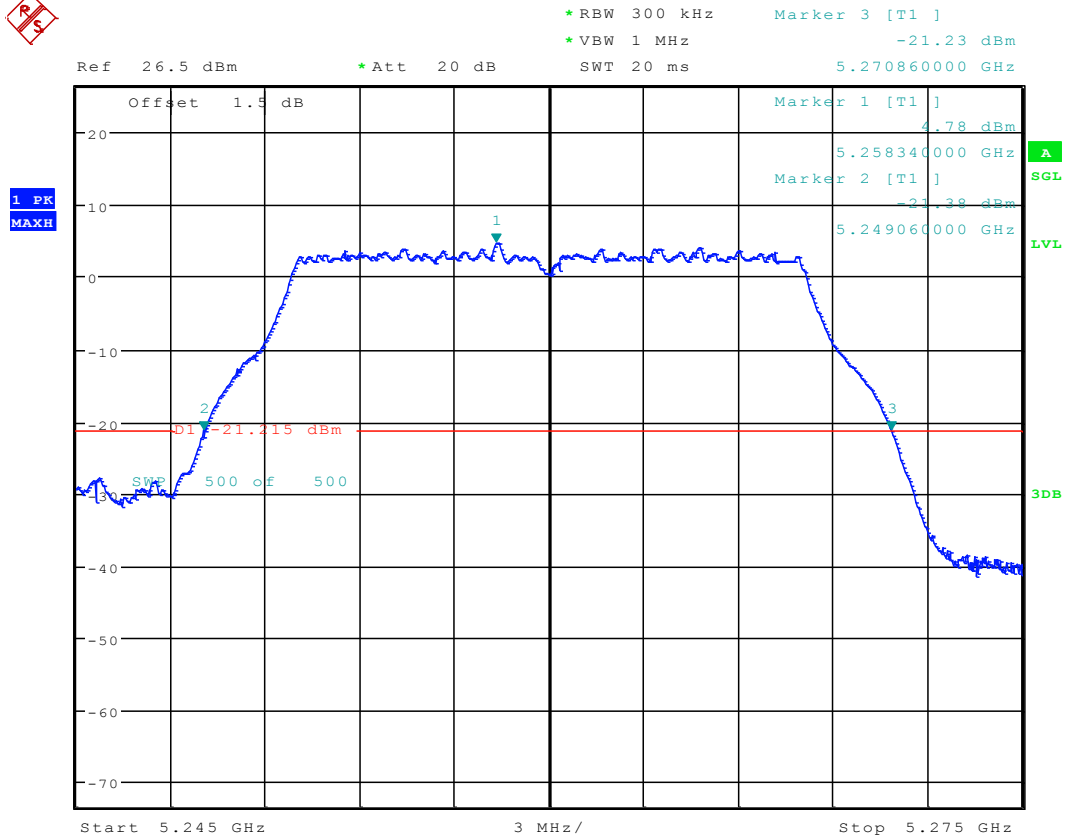
### 3.146 11A-CDD\_48 ANT 2



Date: 9.AUG.2017 11:52:21



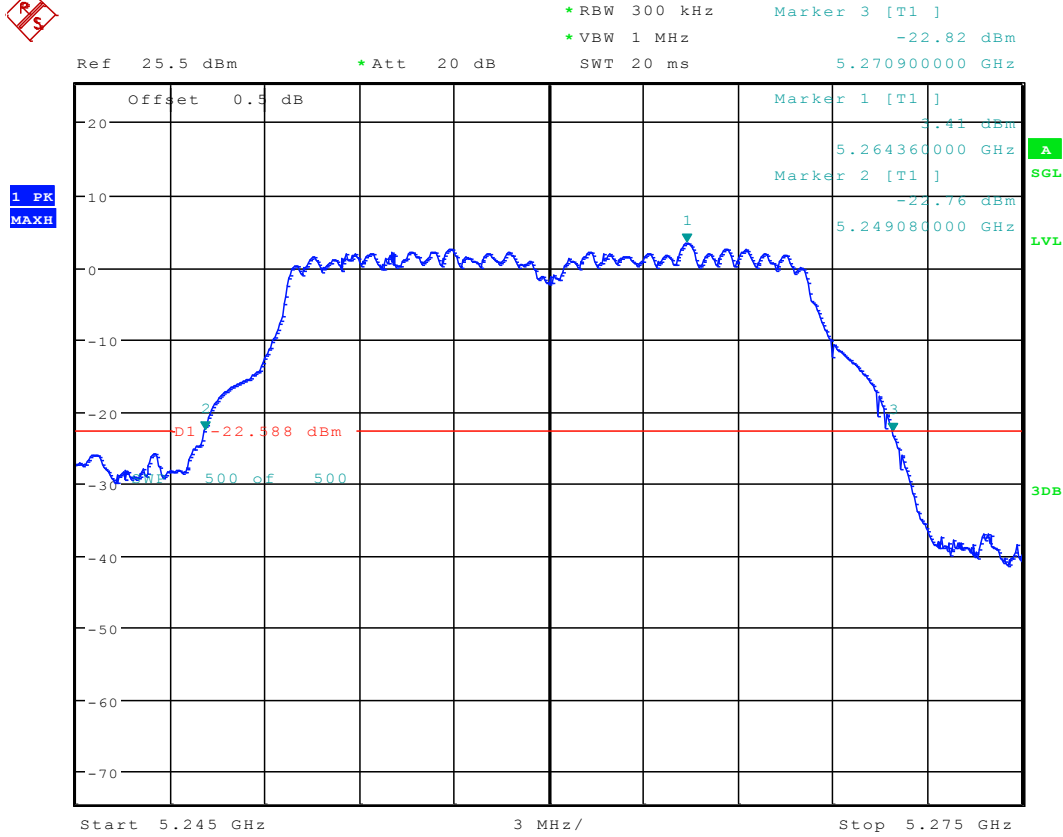
### 3.147 11A-CDD\_52 ANT 1



Date: 9.AUG.2017 11:21:31



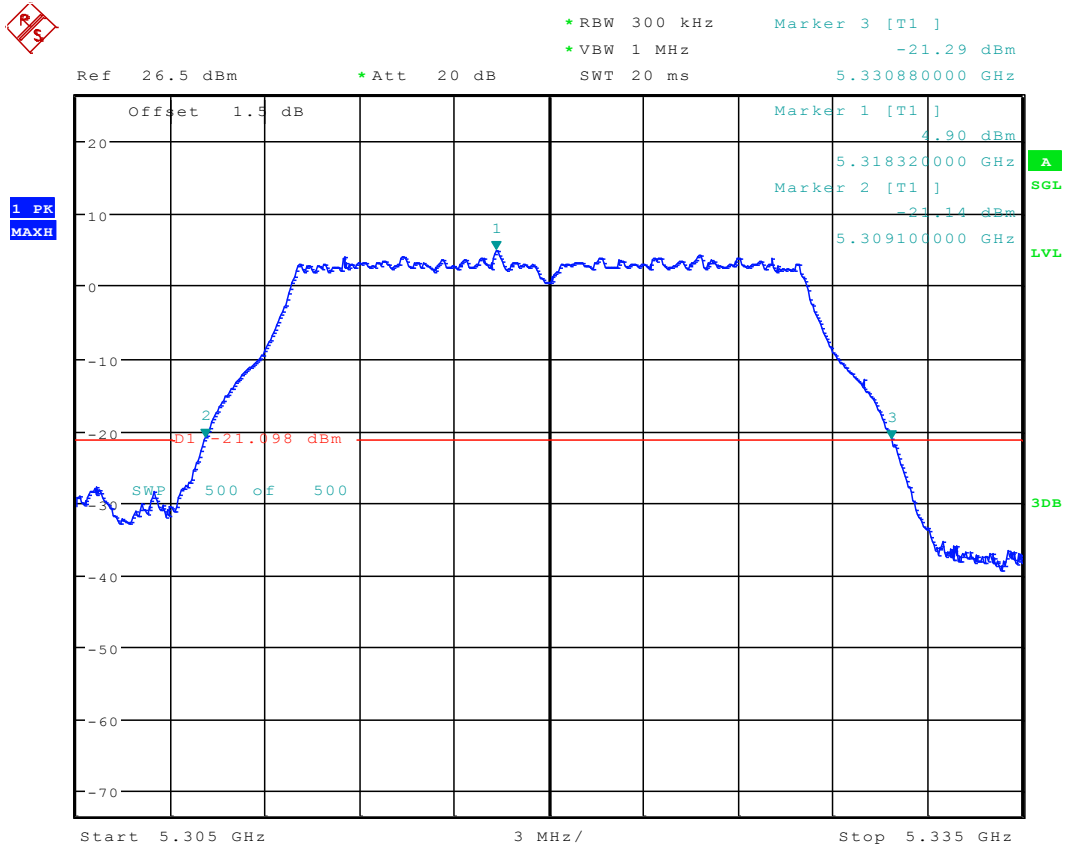
### 3.148 11A-CDD\_52 ANT 2



Date: 9.AUG.2017 11:55:34

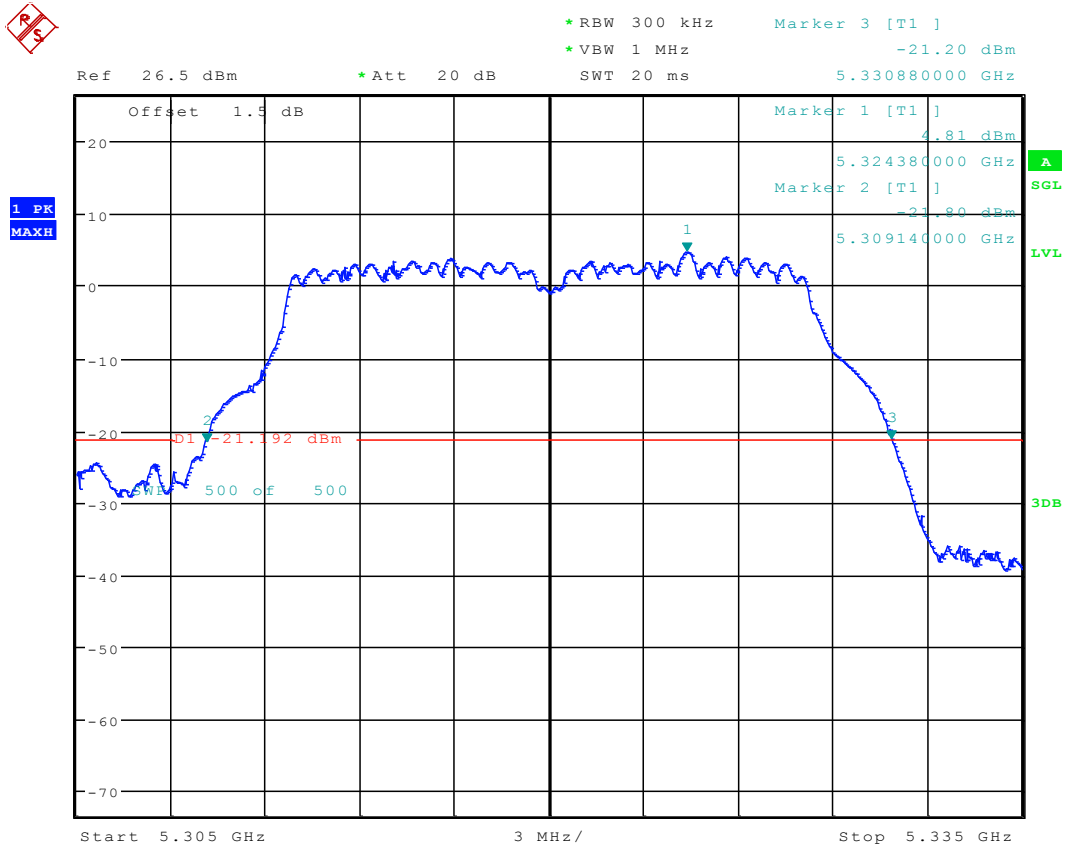


### 3.149 11A-CDD\_64 ANT 1



Date: 9.AUG.2017 11:24:29

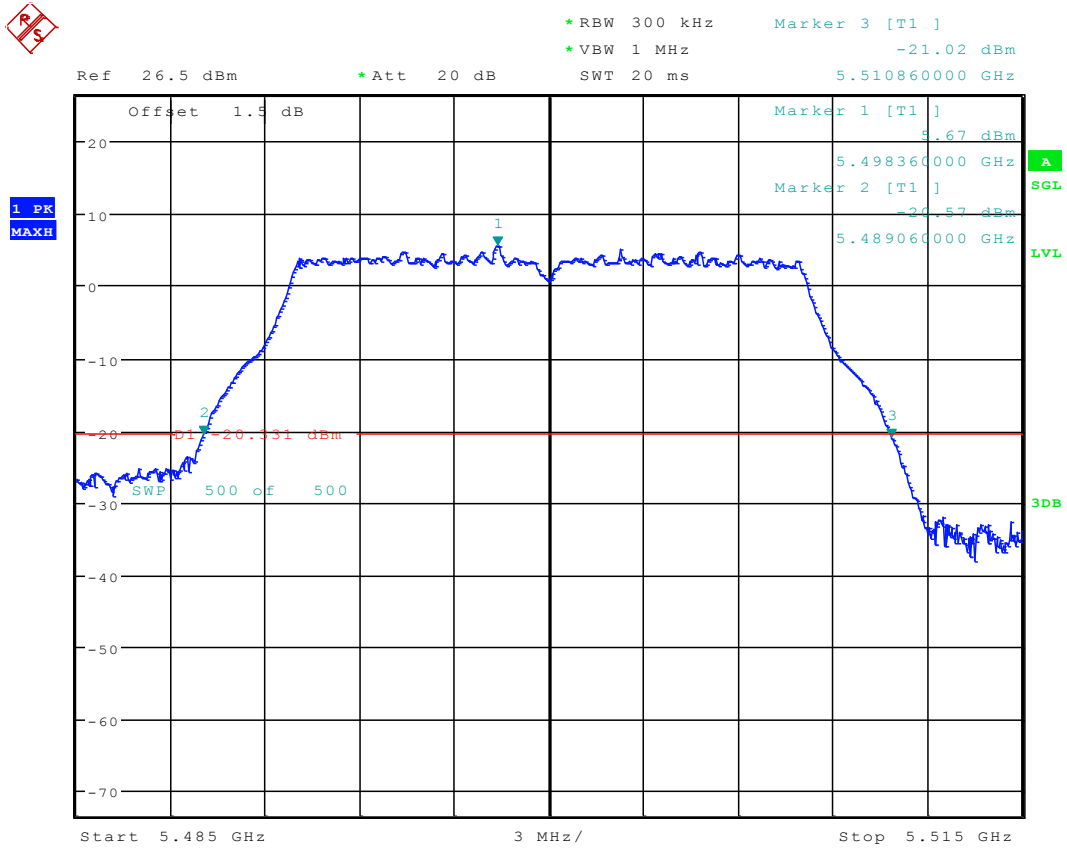
### 3.150 11A-CDD\_64 ANT 2



Date: 9.AUG.2017 13:36:17



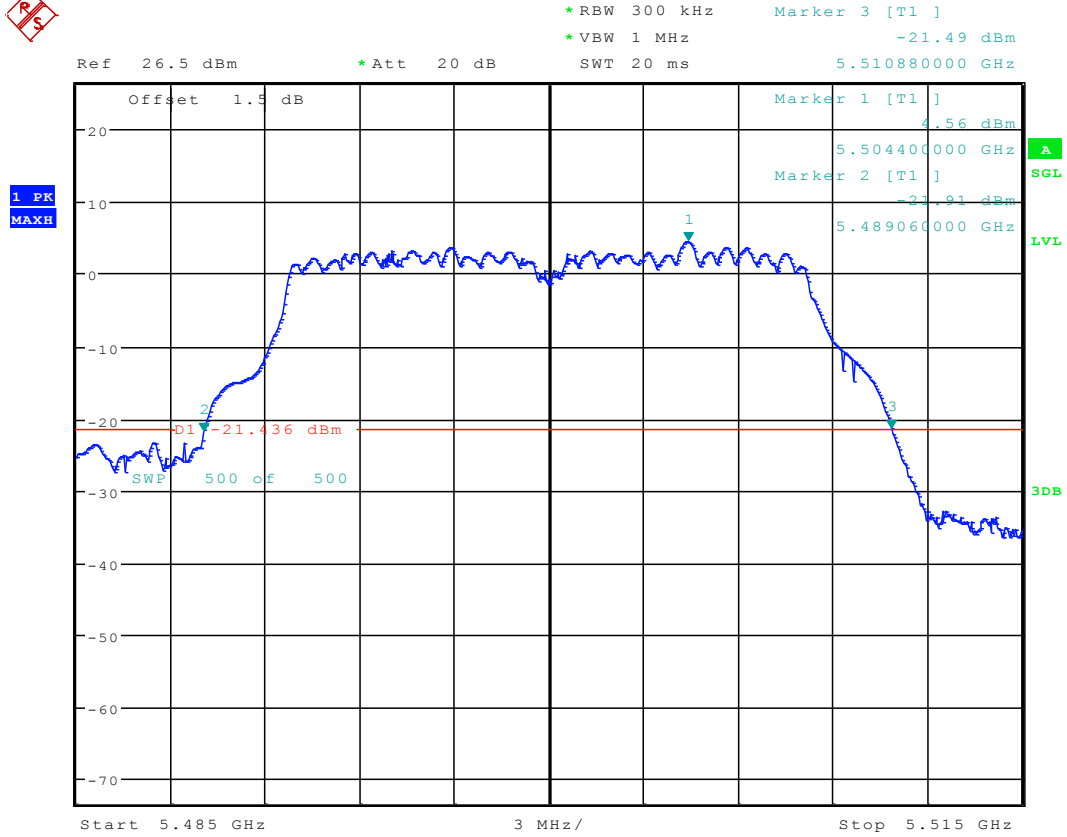
### 3.151 11A-CDD\_100 ANT 1



Date: 9.AUG.2017 11:27:41

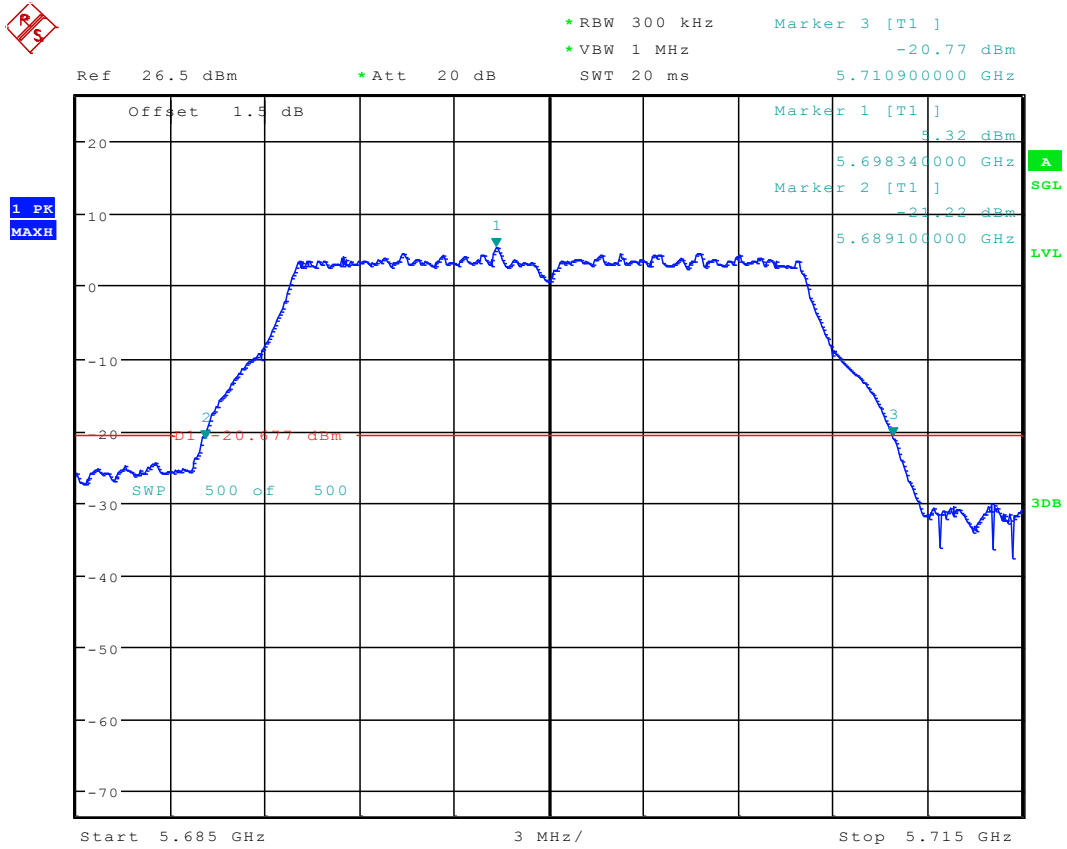


### 3.152 11A-CDD\_100 ANT 2



Date: 9.AUG.2017 13:40:02

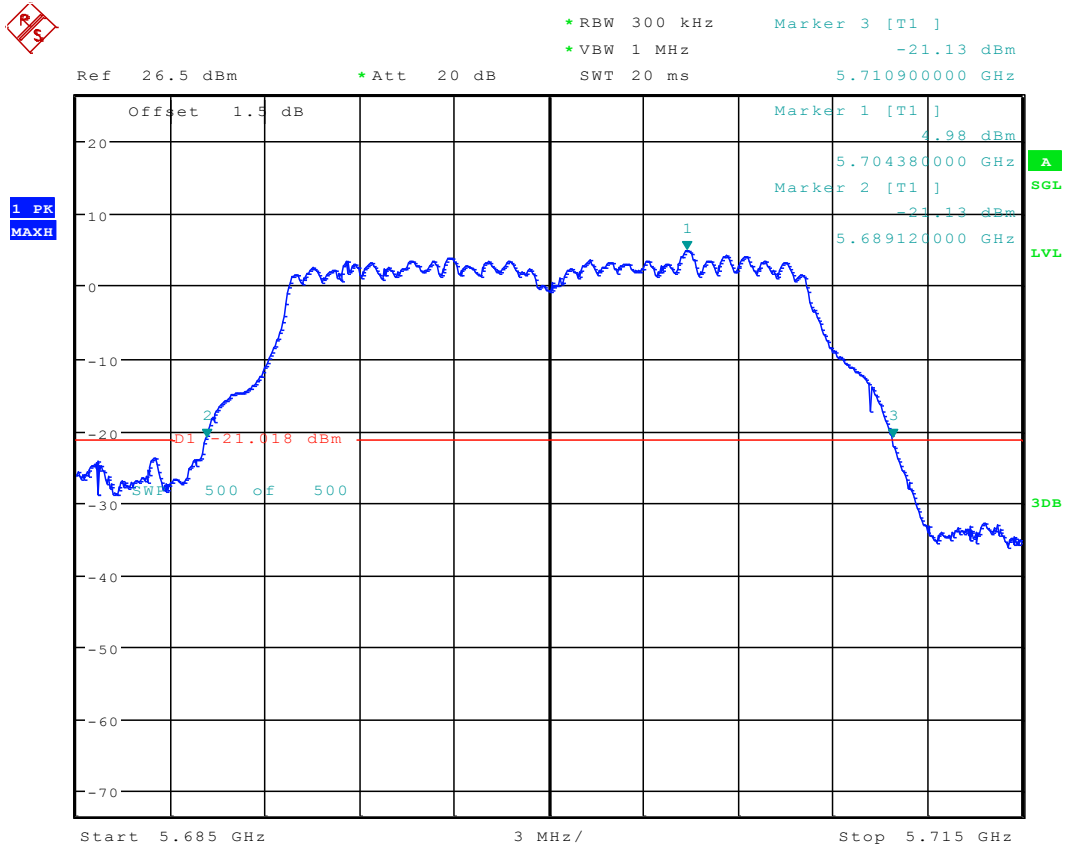
### 3.153 11A-CDD\_140 ANT 1



Date: 9.AUG.2017 11:30:22



### 3.154 11A-CDD\_140 ANT 2



Date: 9.AUG.2017 13:42:44

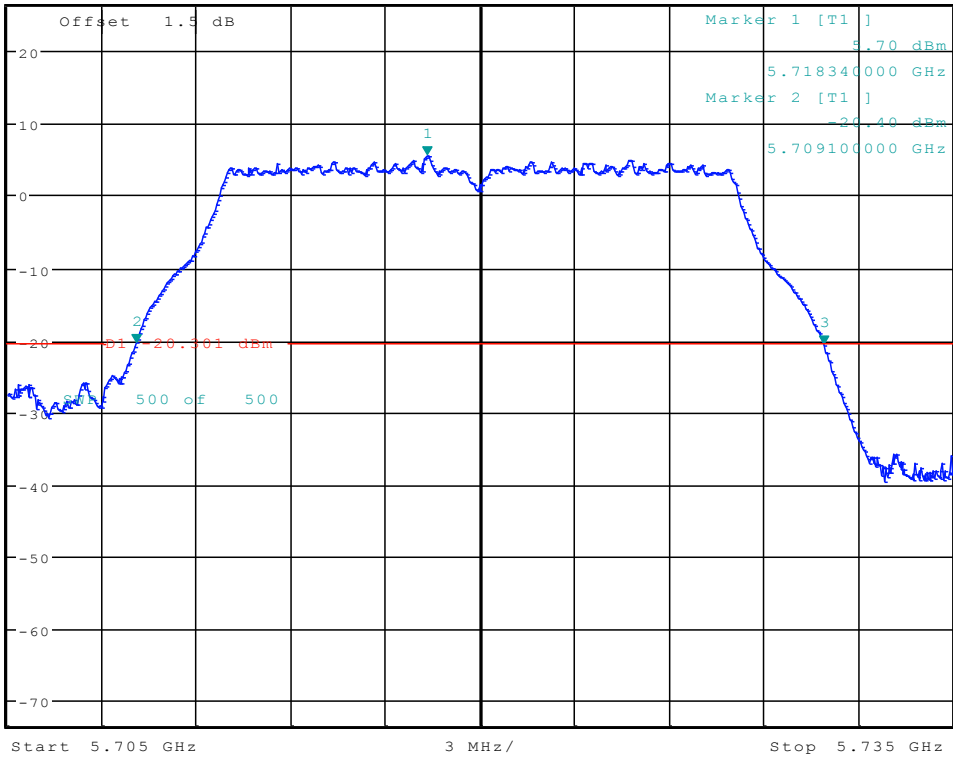
### 3.155 11A-CDD\_144 ANT 1



\*RBW 300 kHz      Marker 3 [T1 ]  
 \*VBW 1 MHz      -20.69 dBm  
 \*Att 20 dB      5.730920000 GHz  
 SWT 20 ms

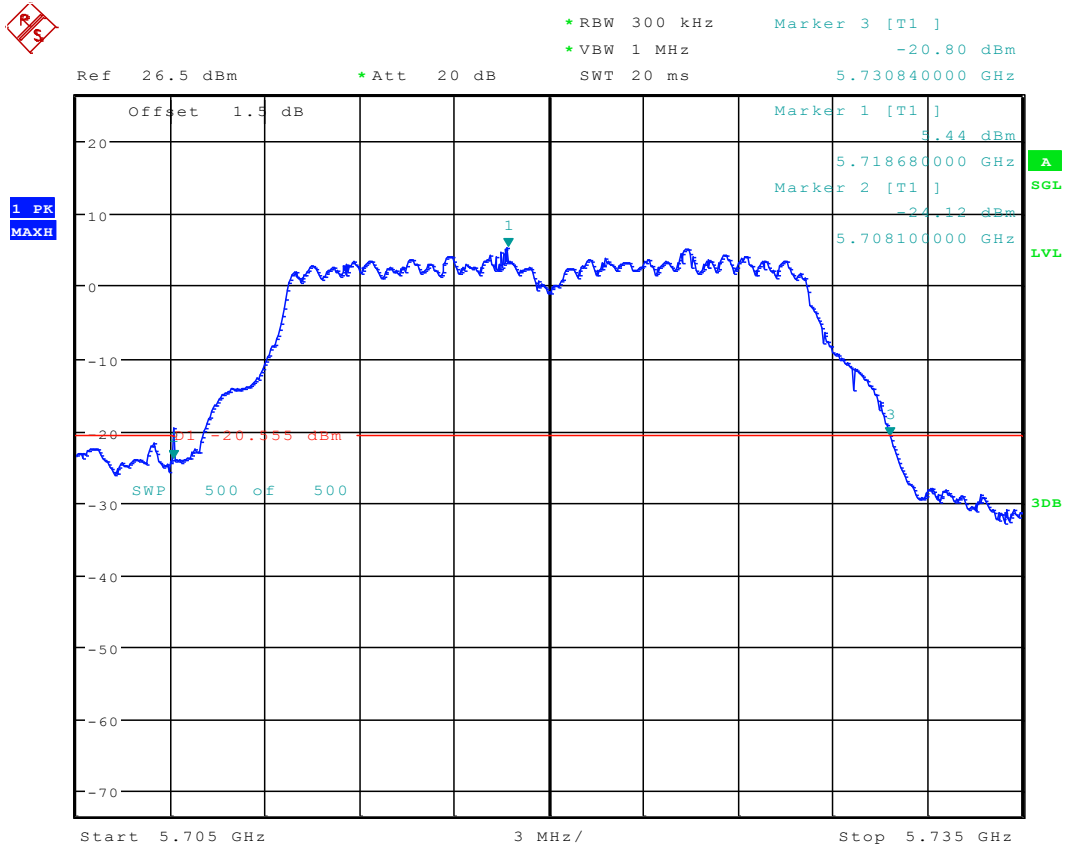
Ref 26.5 dBm      Offset 1.5 dB

1 PK  
MAXH



Date: 16.SEP.2017 12:18:19

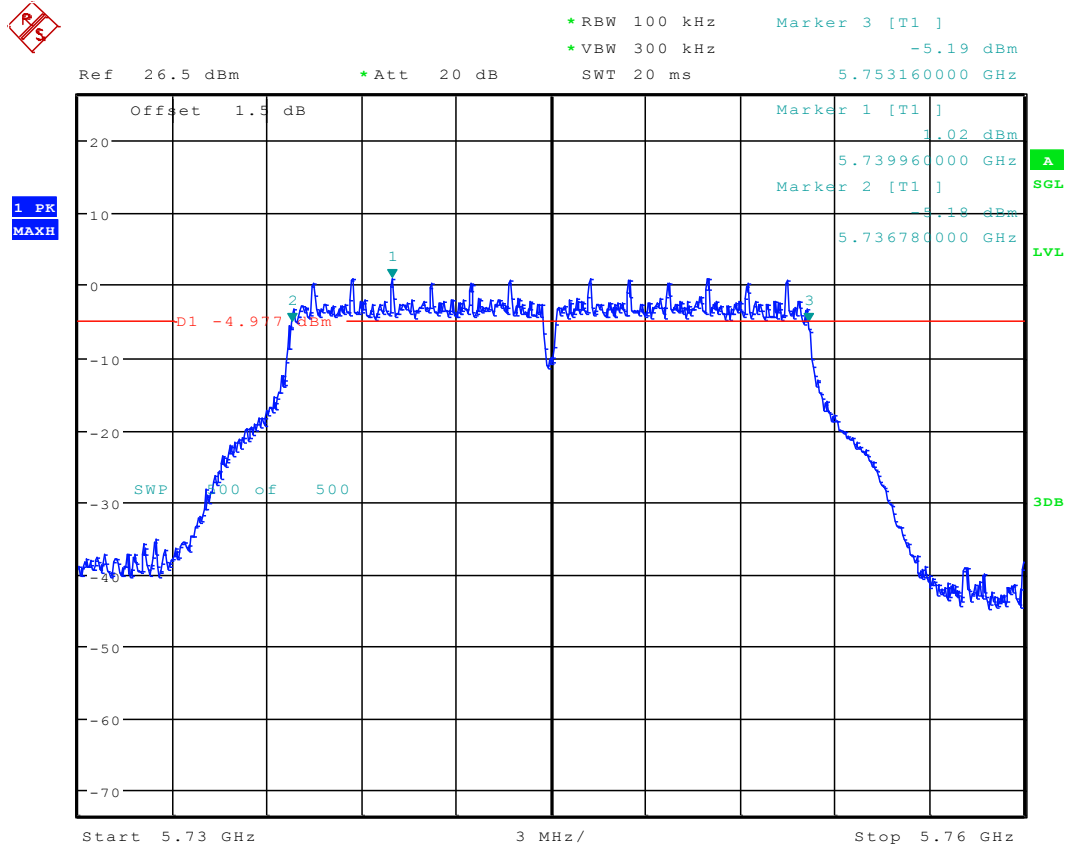
### 3.156 11A-CDD\_144 ANT 2



Date: 16.SEP.2017 12:15:26

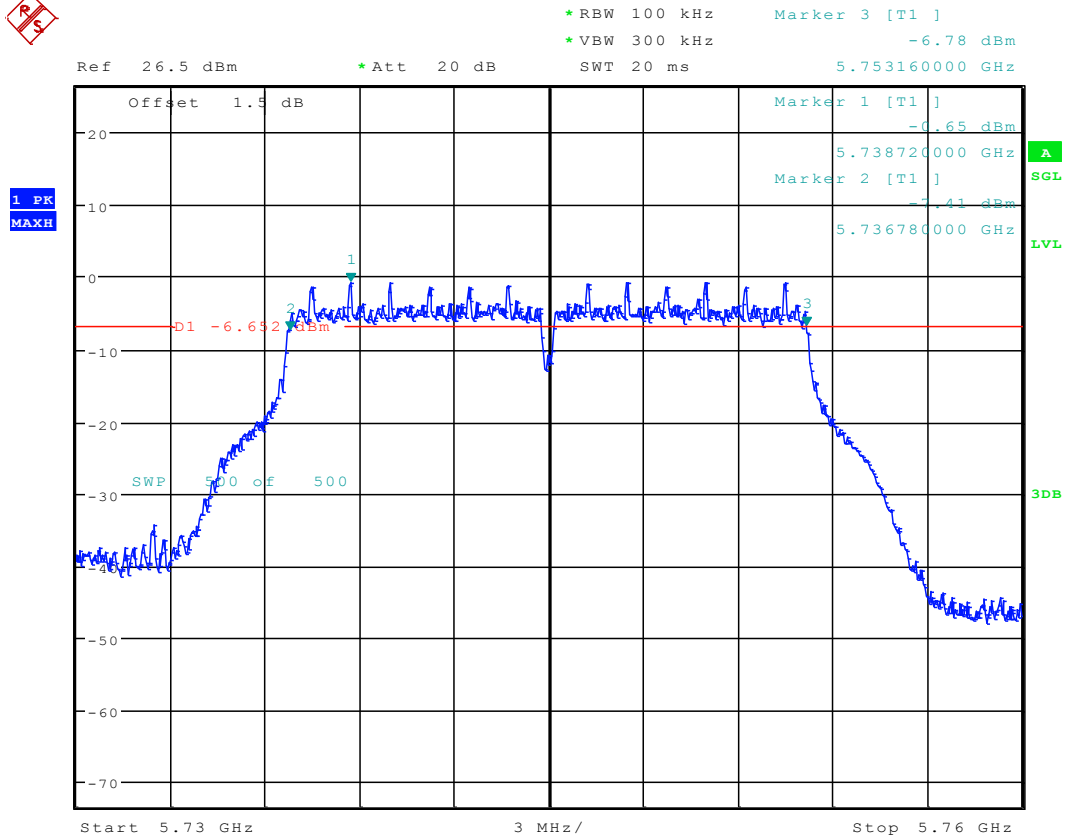
## 4 Test Plot for 6dB Emission Bandwidth

### 4.1 11A20\_149 ANT 1



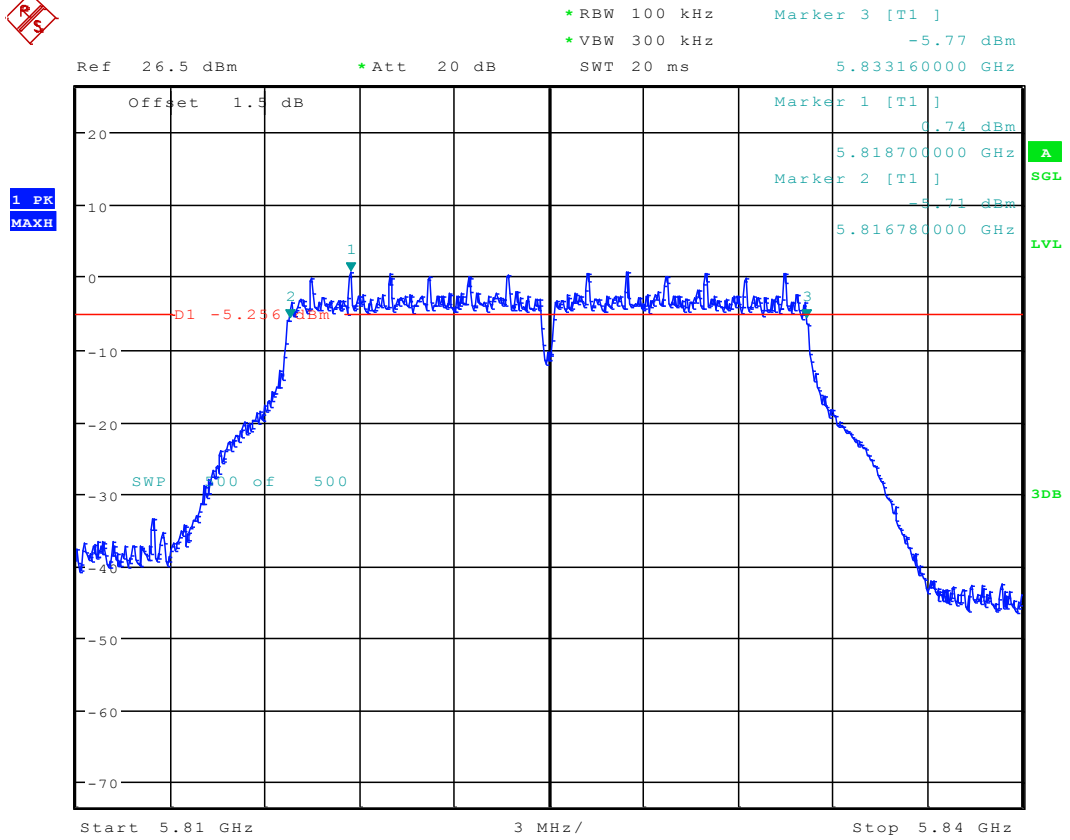
Date: 5.AUG.2017 16:11:20

### 4.2 11A20\_149 ANT 2



Date: 7.AUG.2017 11:48:32

### 4.3 11A20\_165 ANT 1

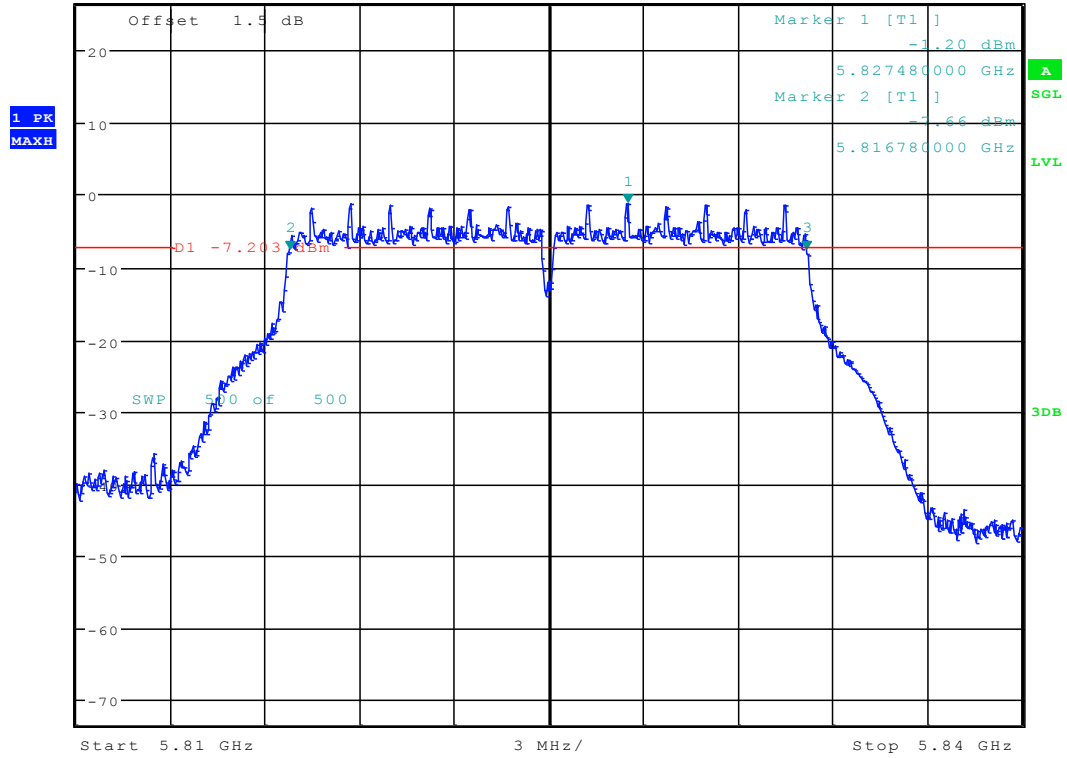


Date: 5.AUG.2017 16:15:54

### 4.4 11A20\_165 ANT 2

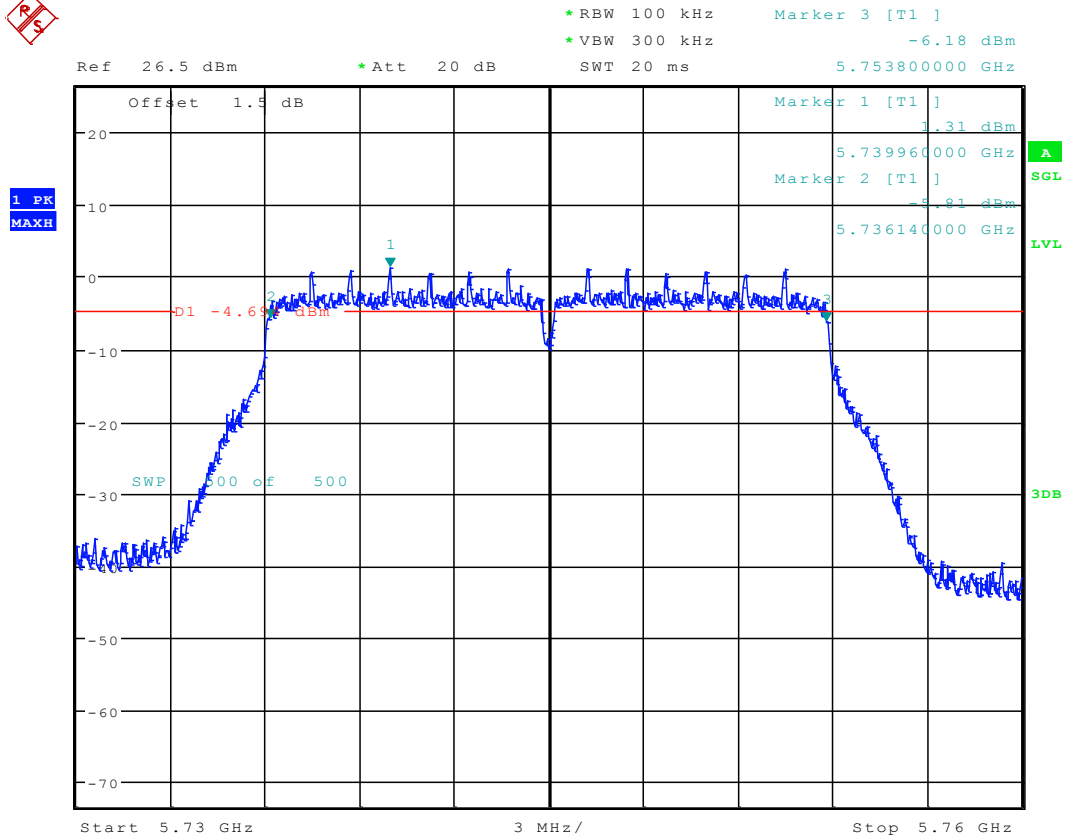


\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -7.67 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.833160000 GHz



Date: 7.AUG.2017 11:52:29

### 4.5 11N20\_149 ANT 1



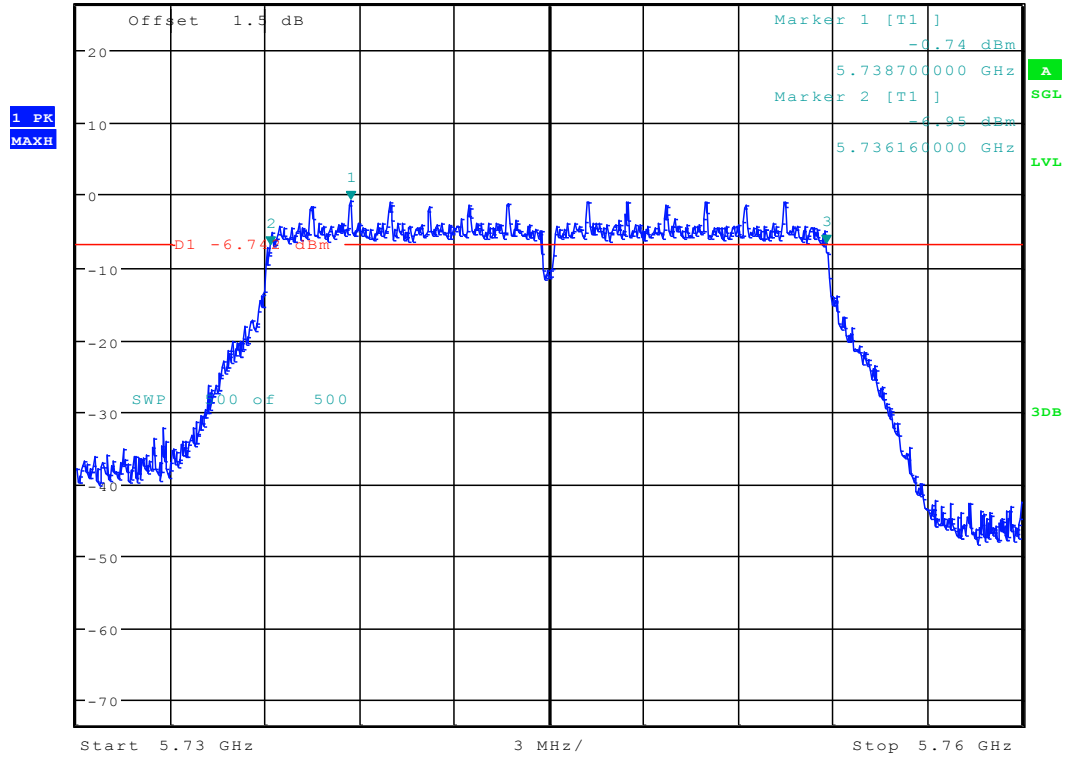
Date: 5.AUG.2017 16:50:56



### 4.6 11N20\_149 ANT 2



\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -6.77 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.753780000 GHz

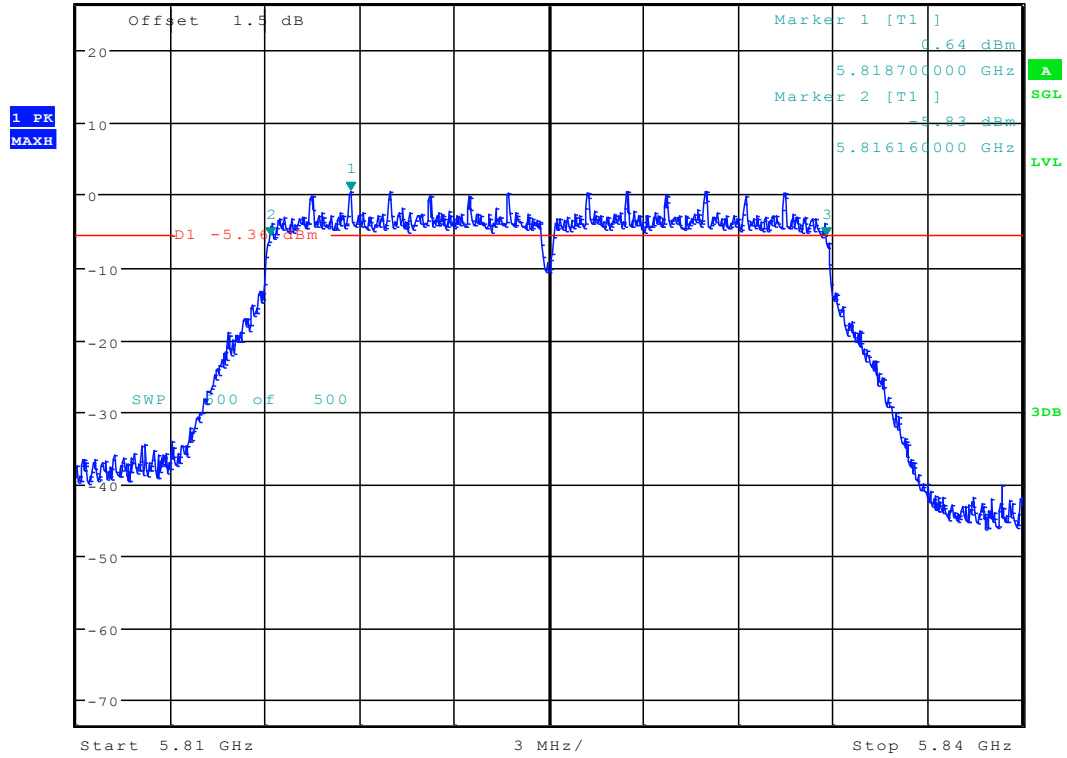


Date: 7.AUG.2017 13:57:13

### 4.7 11N20\_165 ANT 1

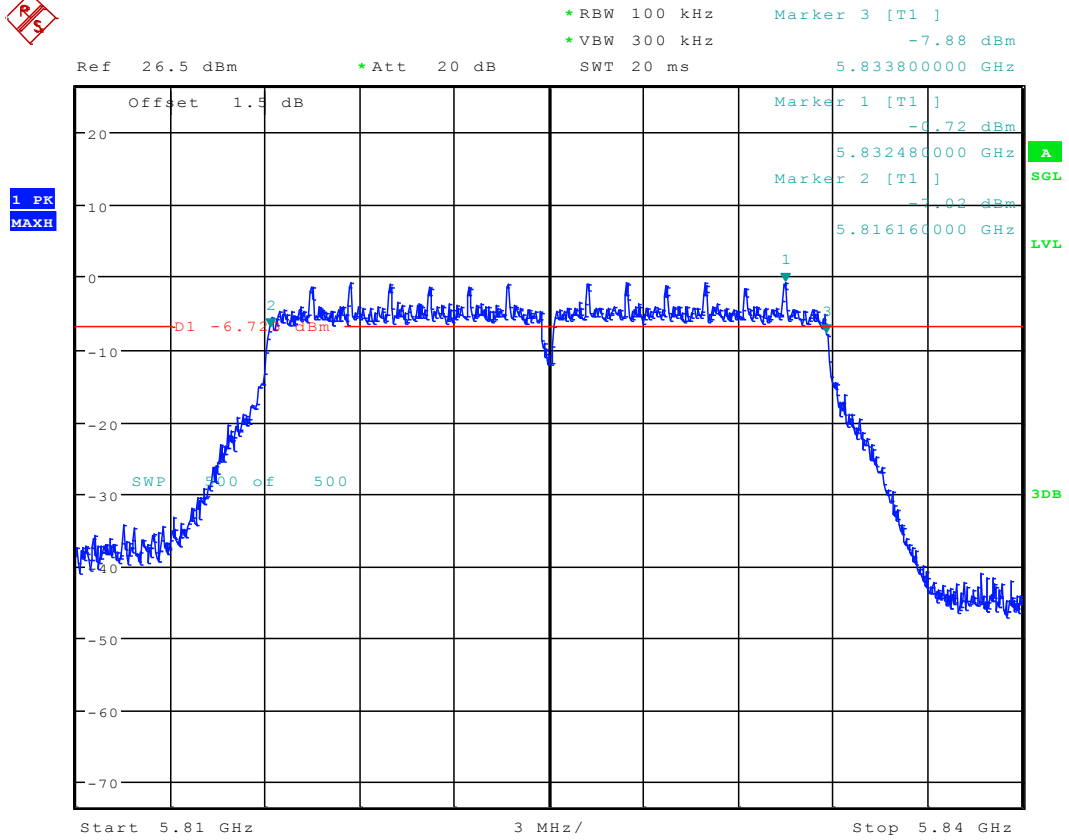


\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -5.65 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.833780000 GHz



Date: 5.AUG.2017 16:54:22

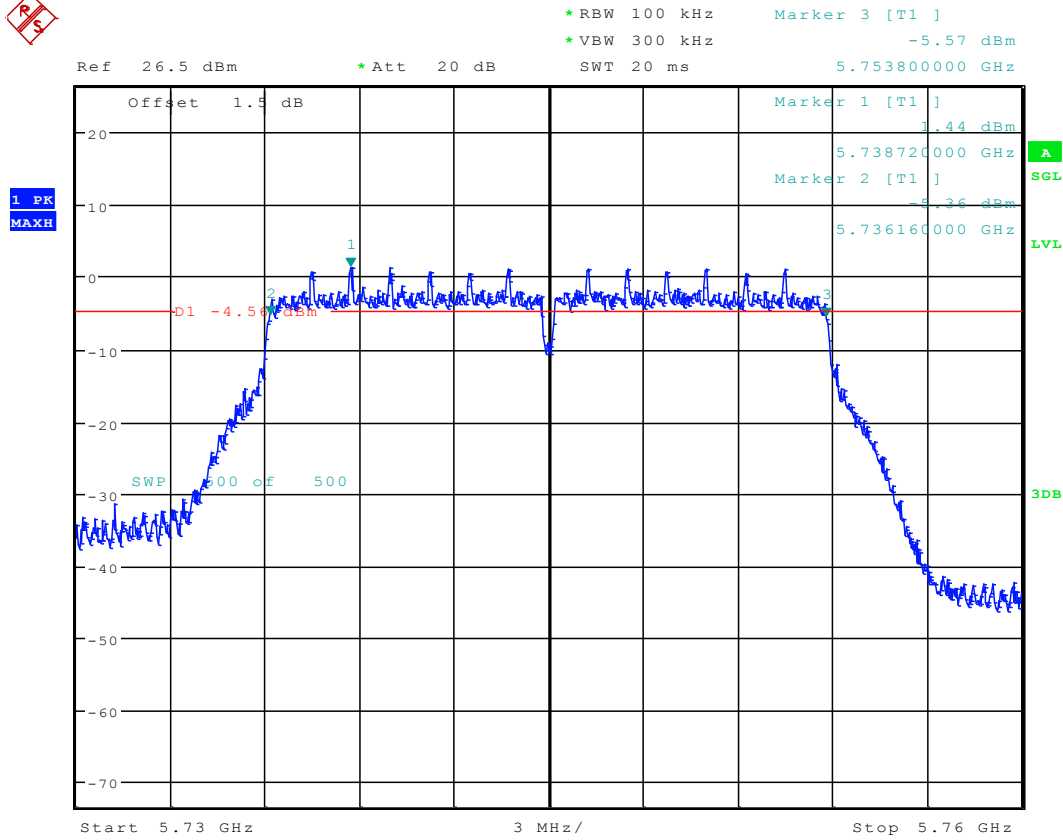
## 4.8 11N20\_165 ANT 2



Date: 7.AUG.2017 14:00:46

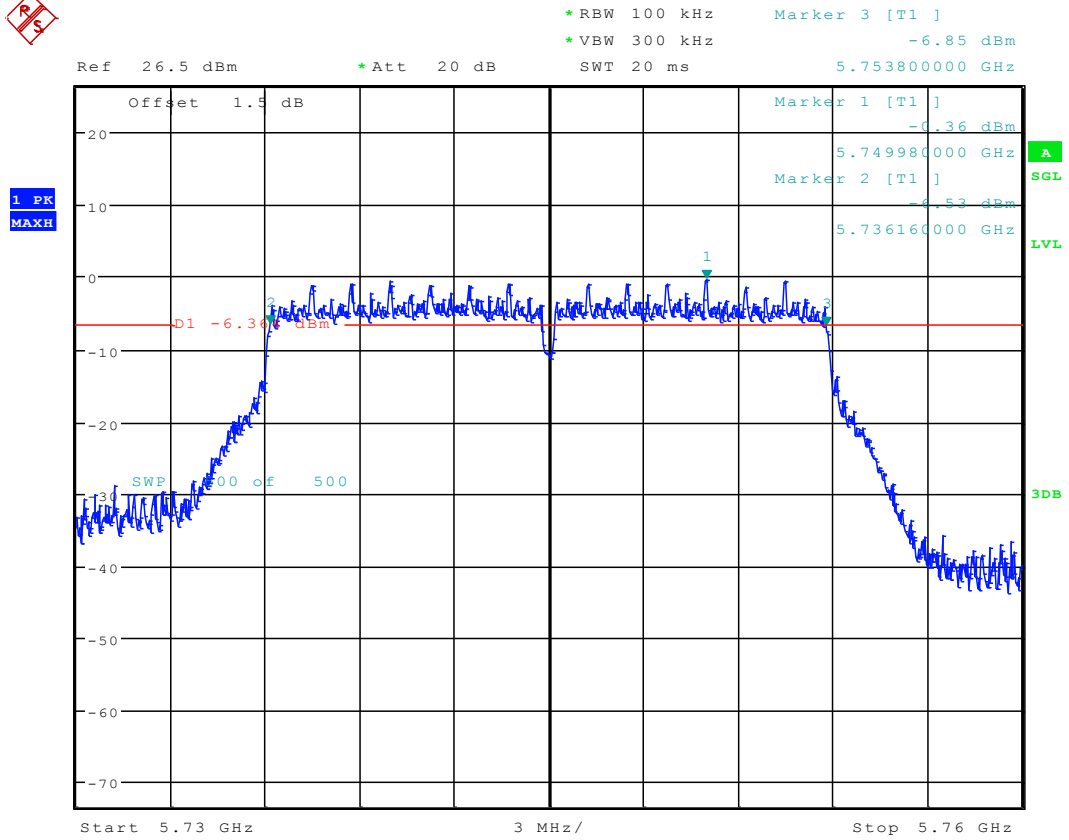


### 4.9 11N20MIMO\_149 ANT 1



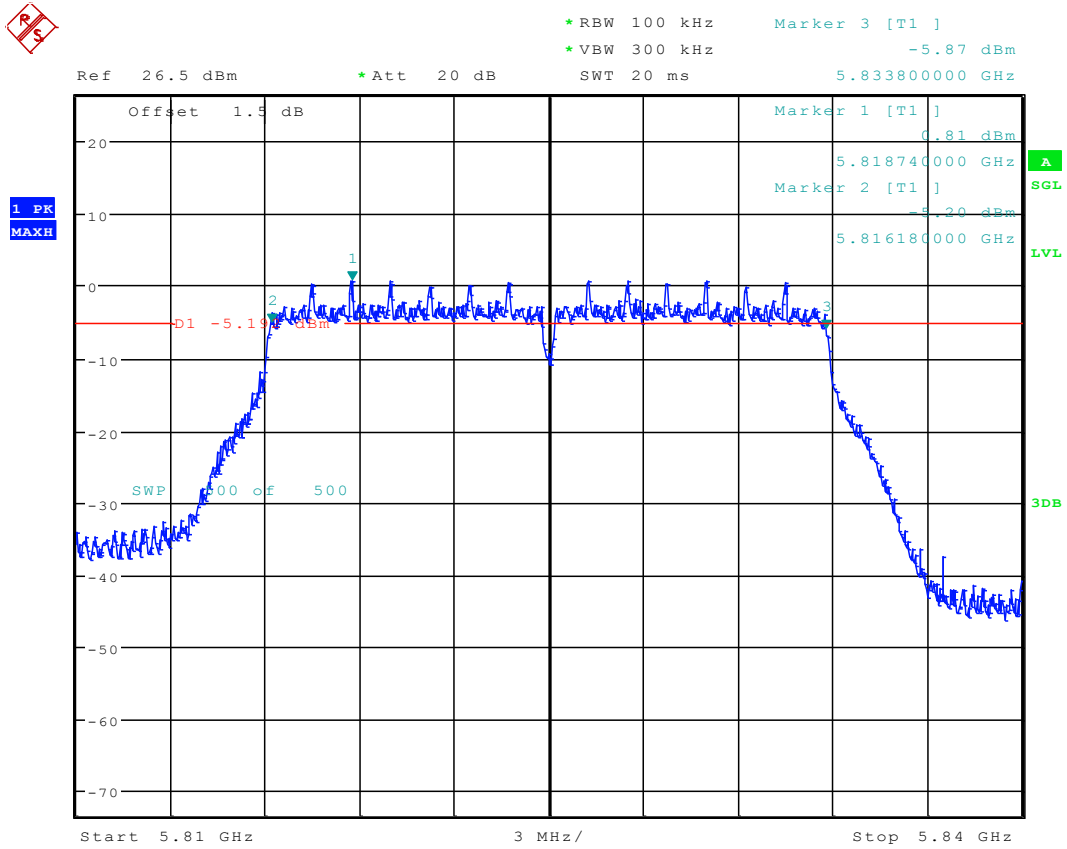
Date: 9.AUG.2017 18:13:39

### 4.10 11N20MIMO\_149 ANT 2



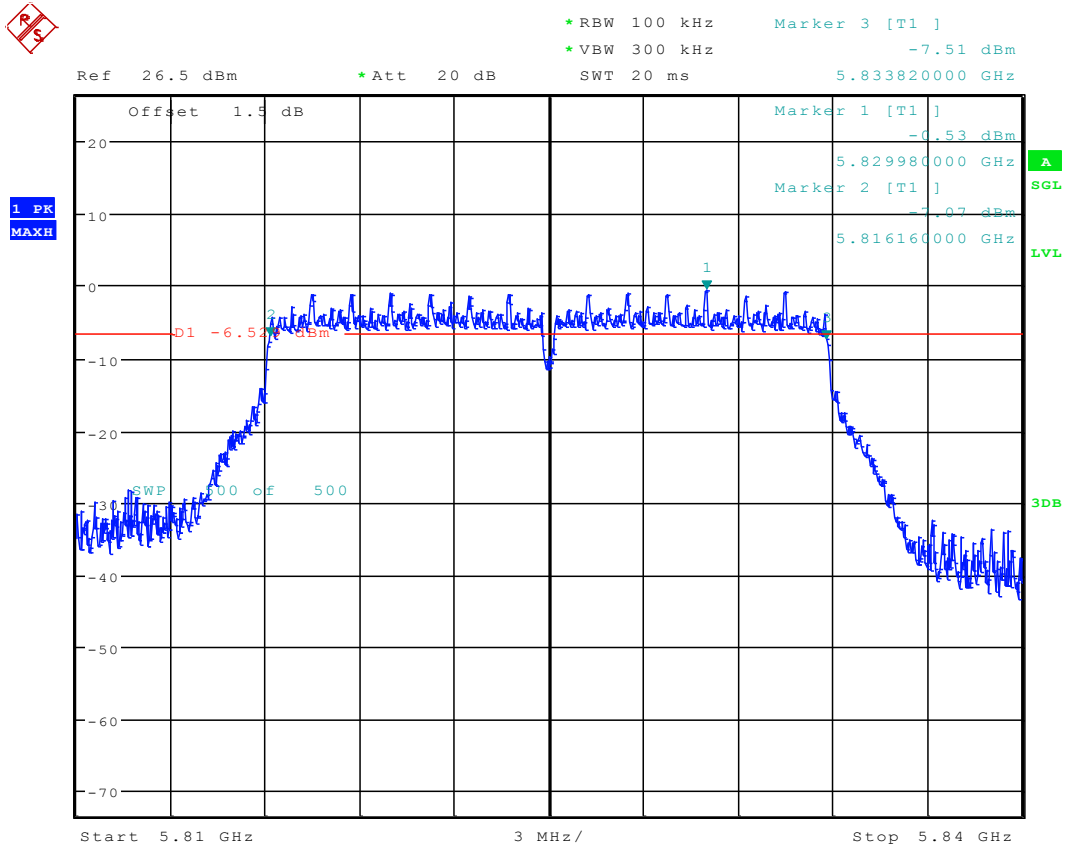
Date: 9.AUG.2017 14:47:20

### 4.11 11N20MIMO\_165 ANT 1



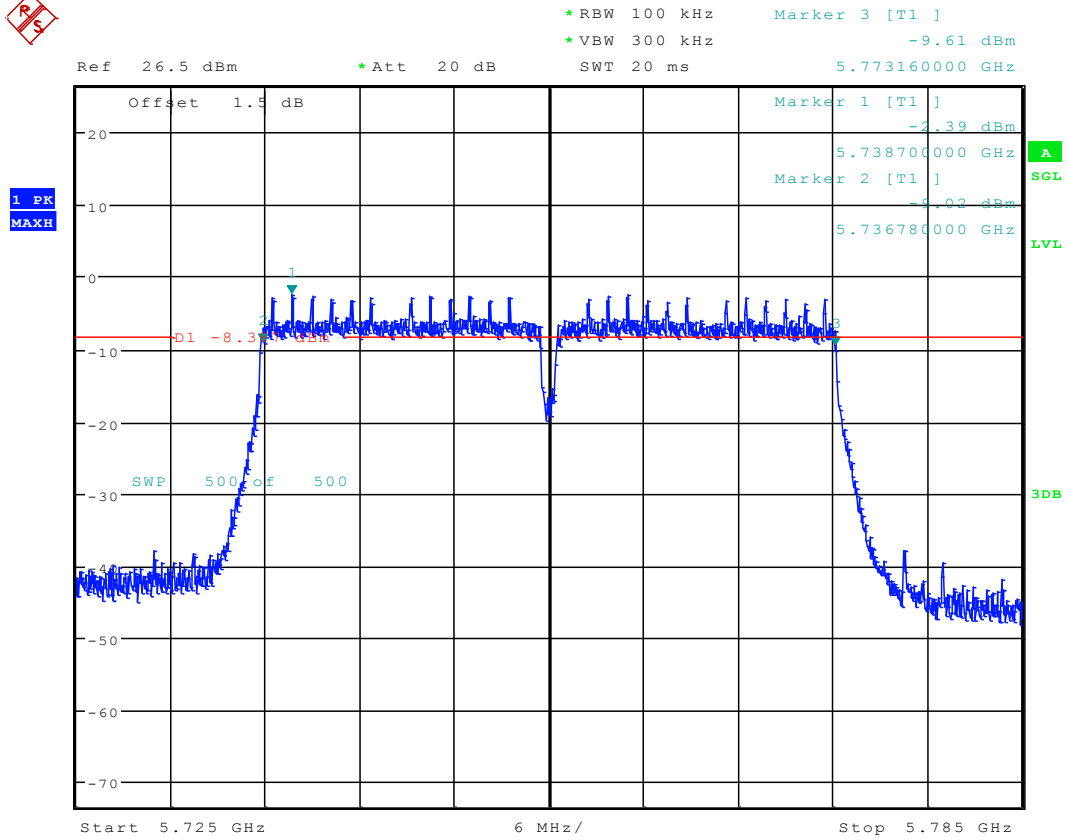
Date: 9.AUG.2017 18:16:51

### 4.12 11N20MIMO\_165 ANT 2



Date: 9.AUG.2017 14:50:39

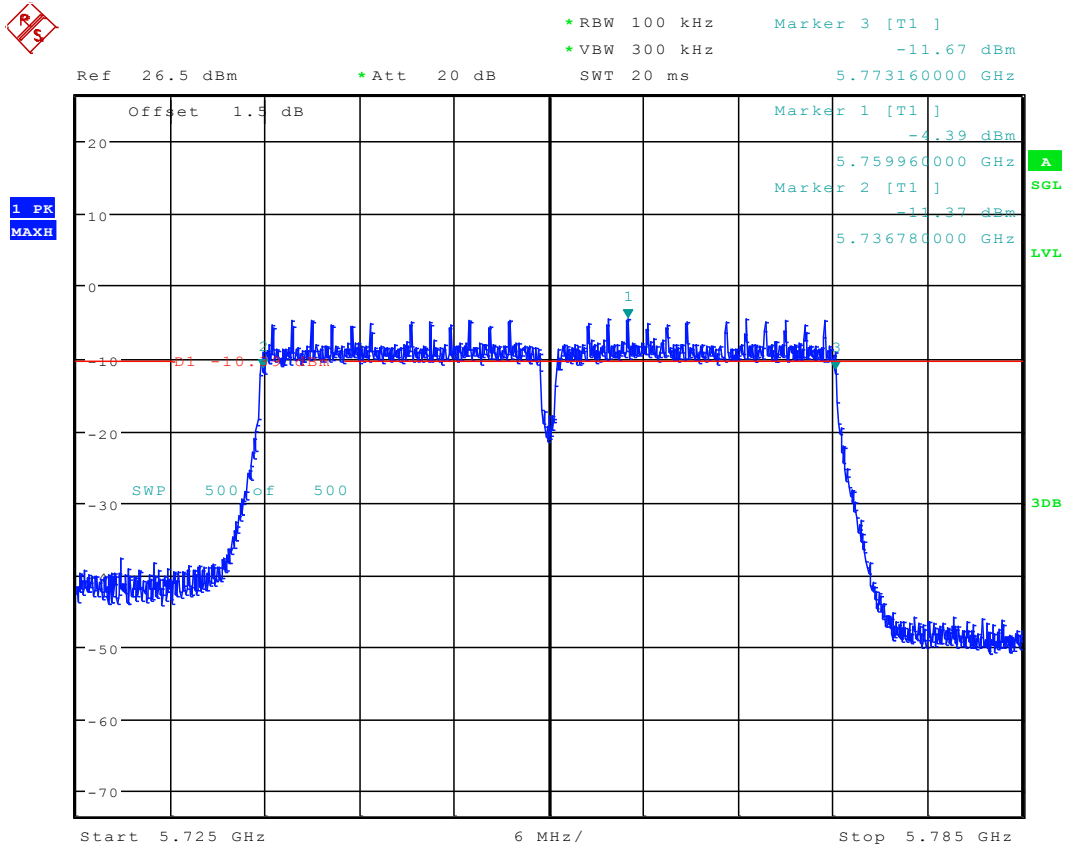
## 4.13 11N40\_151 ANT 1



Date: 7.AUG.2017 10:41:28



### 4.14 11N40\_151 ANT 2

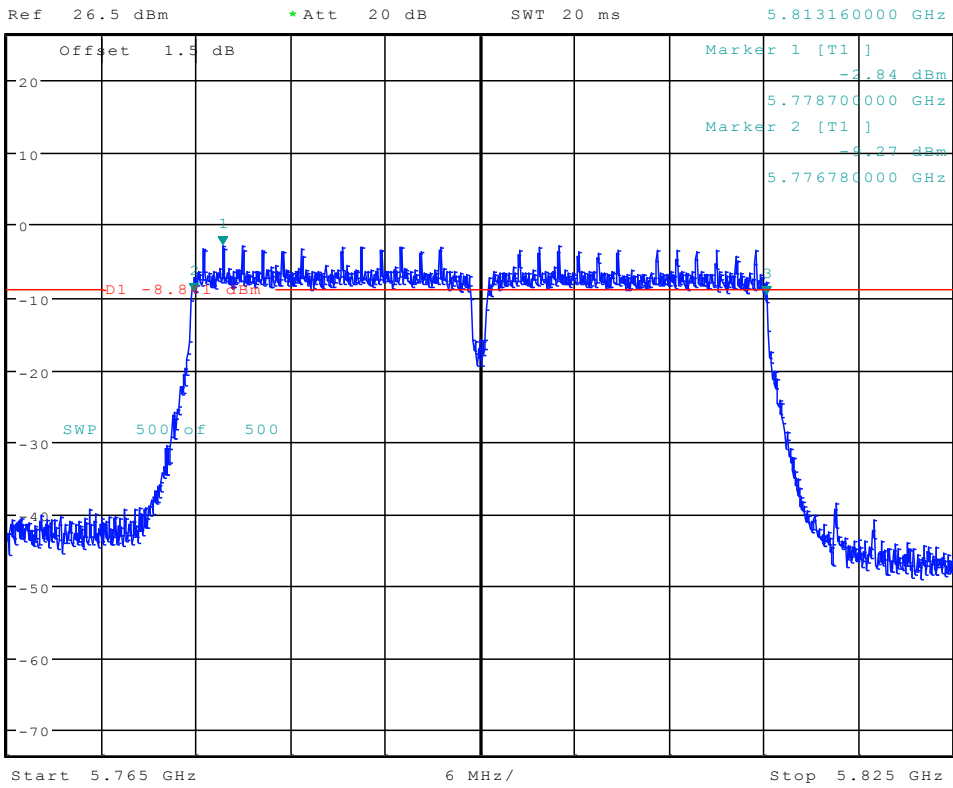


Date: 7.AUG.2017 15:41:50

### 4.15 11N40\_159 ANT 1

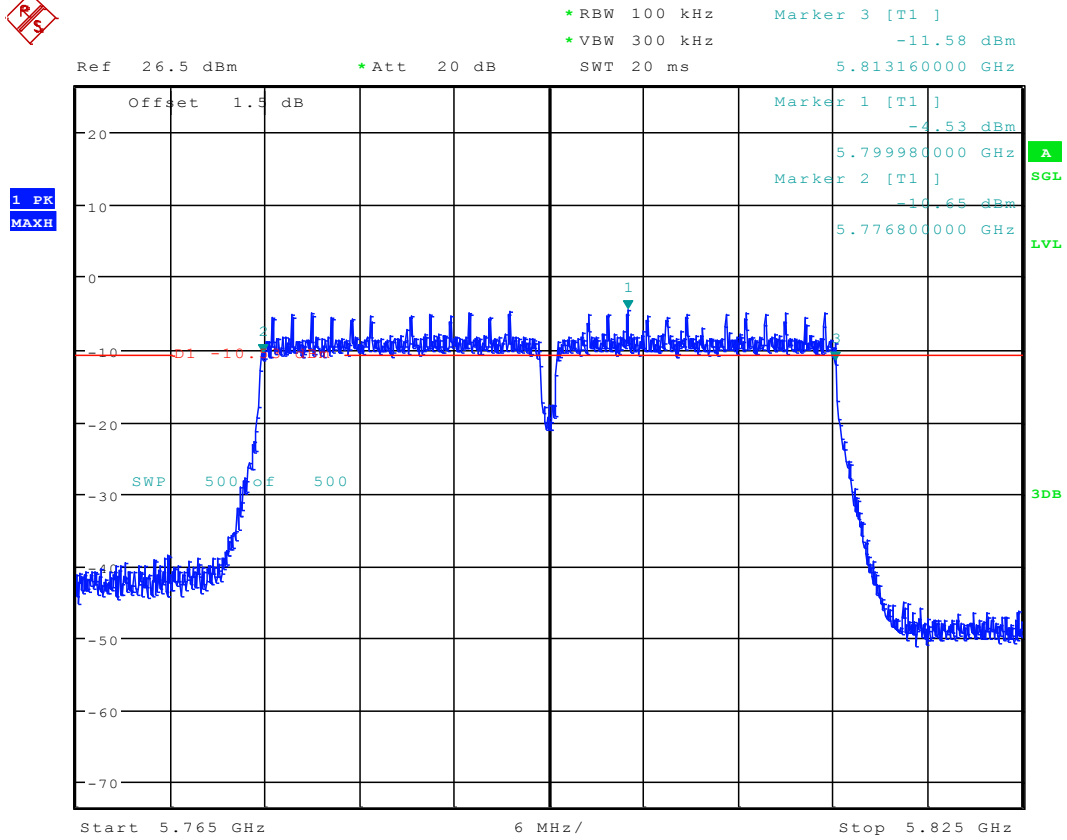


\*RBW 100 kHz      Marker 3 [T1 ]  
\*VBW 300 kHz      -9.83 dBm  
SWT 20 ms      5.813160000 GHz



Date: 7.AUG.2017 10:44:38

### 4.16 11N40\_159 ANT 2

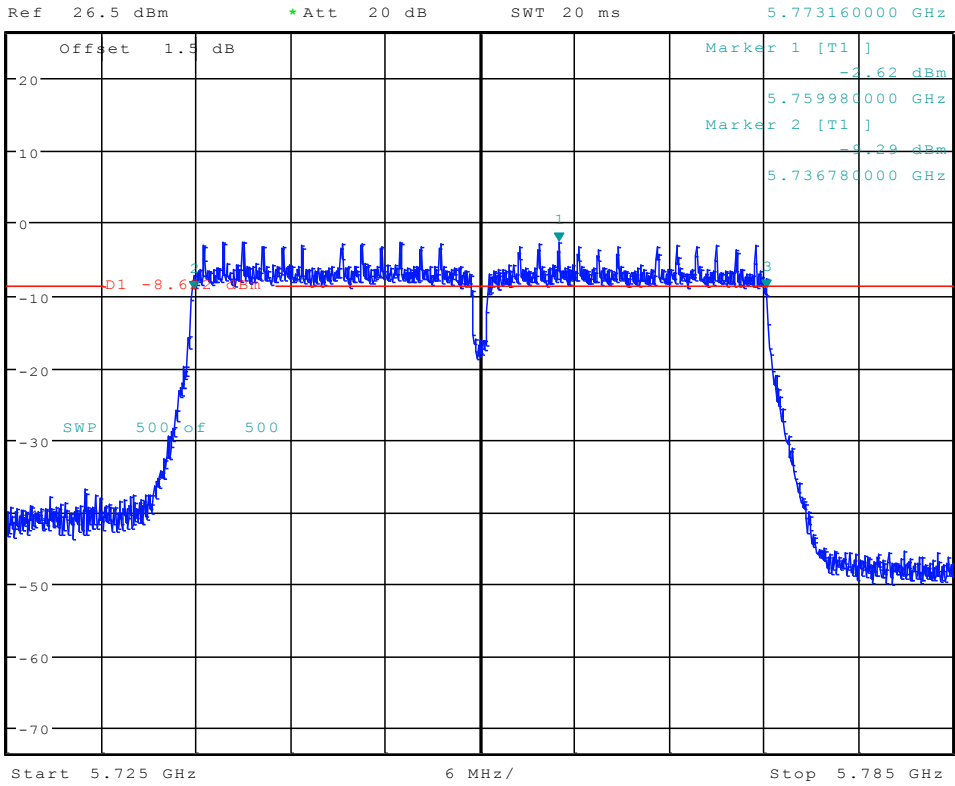


Date: 7.AUG.2017 15:45:09

### 4.17 11N40MIMO\_151 ANT 1



\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -9.17 dBm  
 SWT 20 ms      5.773160000 GHz

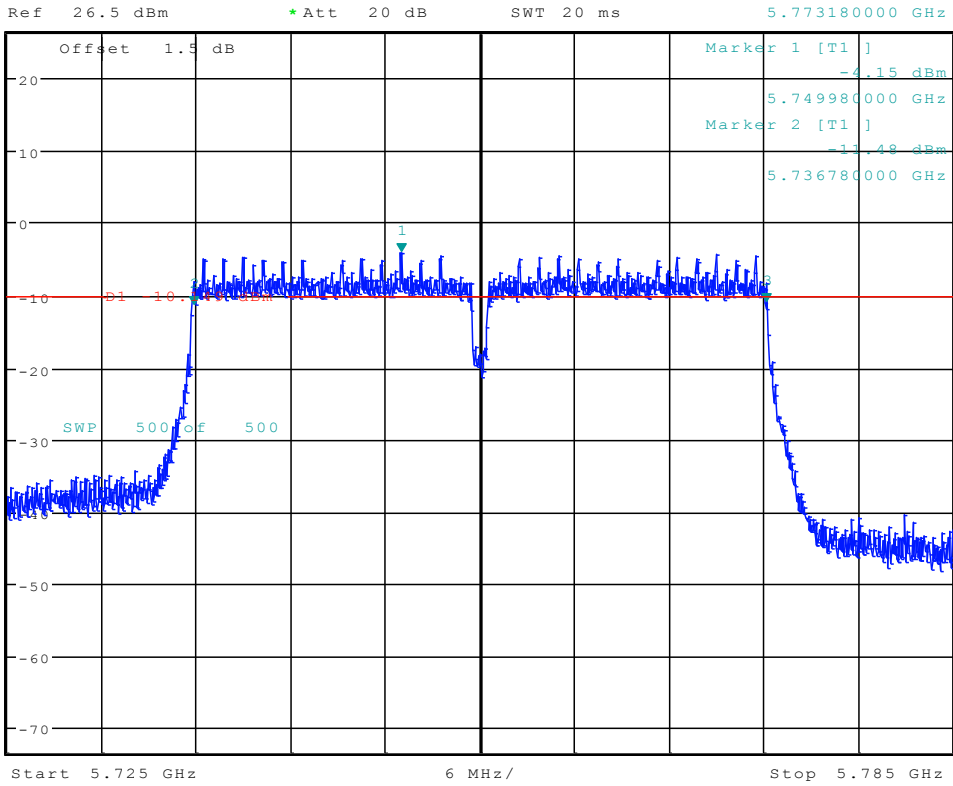


Date: 9.AUG.2017 17:08:36

### 4.18 11N40MIMO\_151 ANT 2



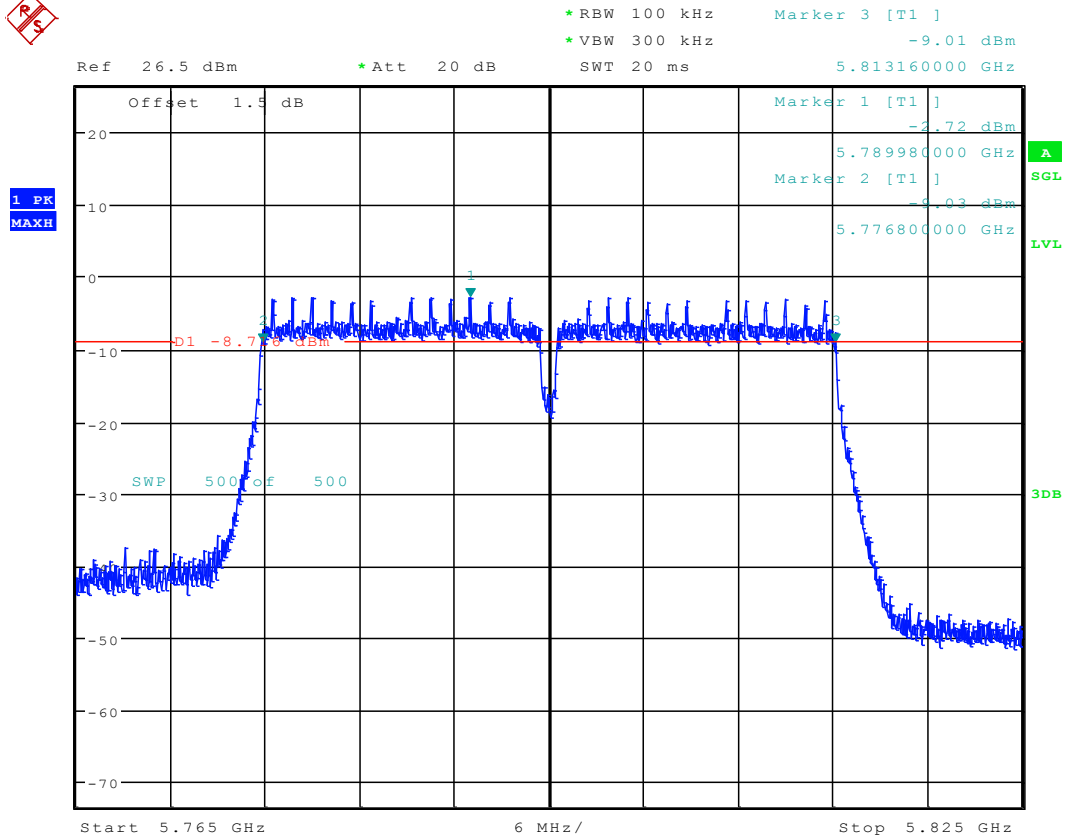
\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -11.03 dBm  
 SWT 20 ms      5.773180000 GHz



Date: 9.AUG.2017 16:19:03

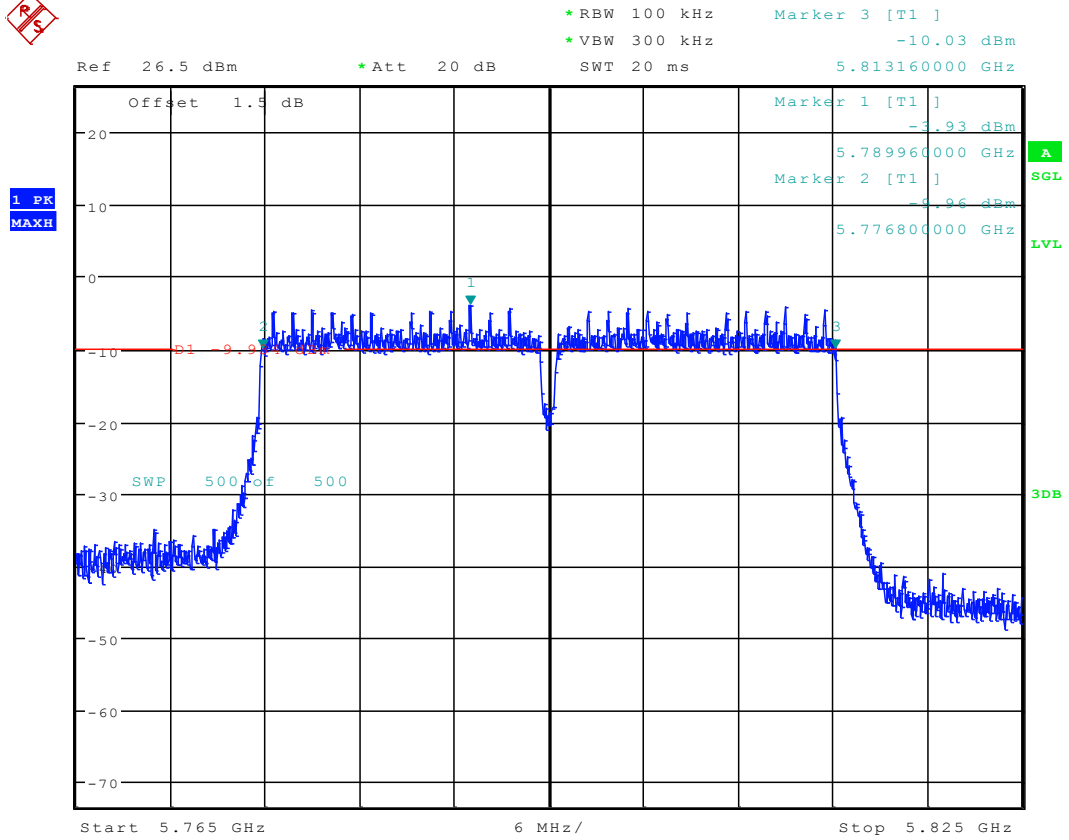


### 4.19 11N40MIMO\_159 ANT 1



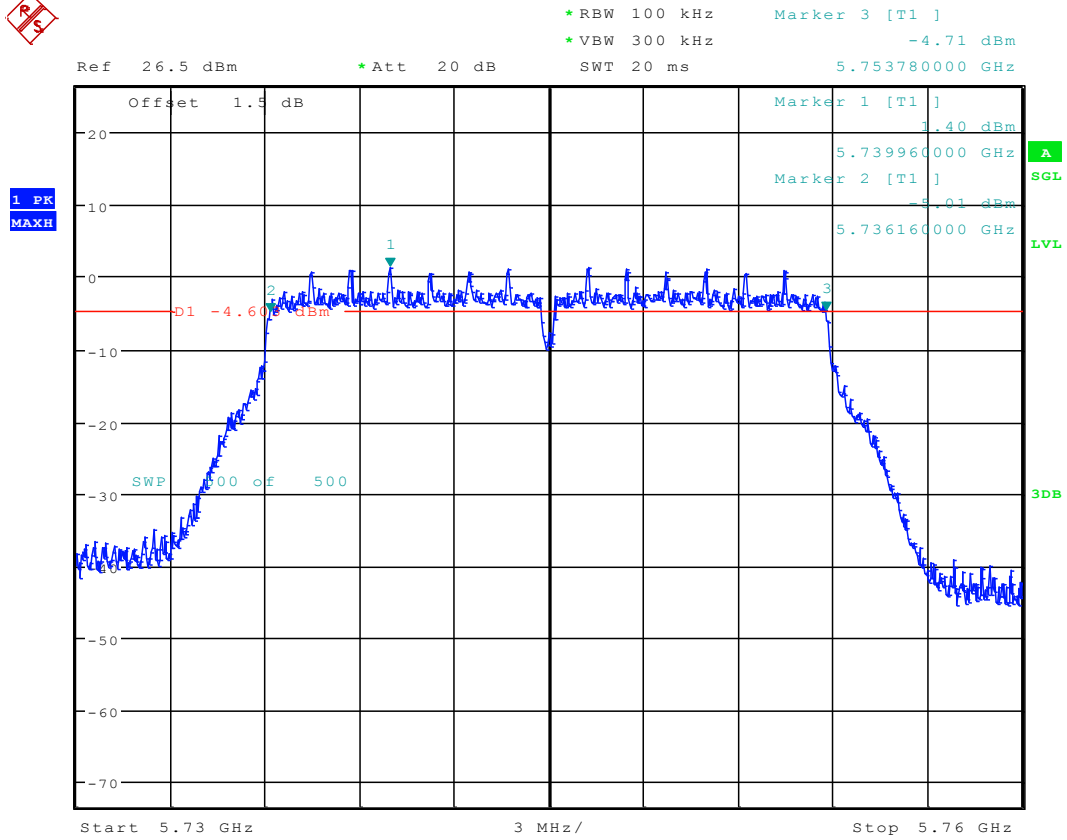
Date: 9.AUG.2017 17:11:59

## 4.20 11N40MIMO\_159 ANT 2



Date: 9.AUG.2017 16:23:05

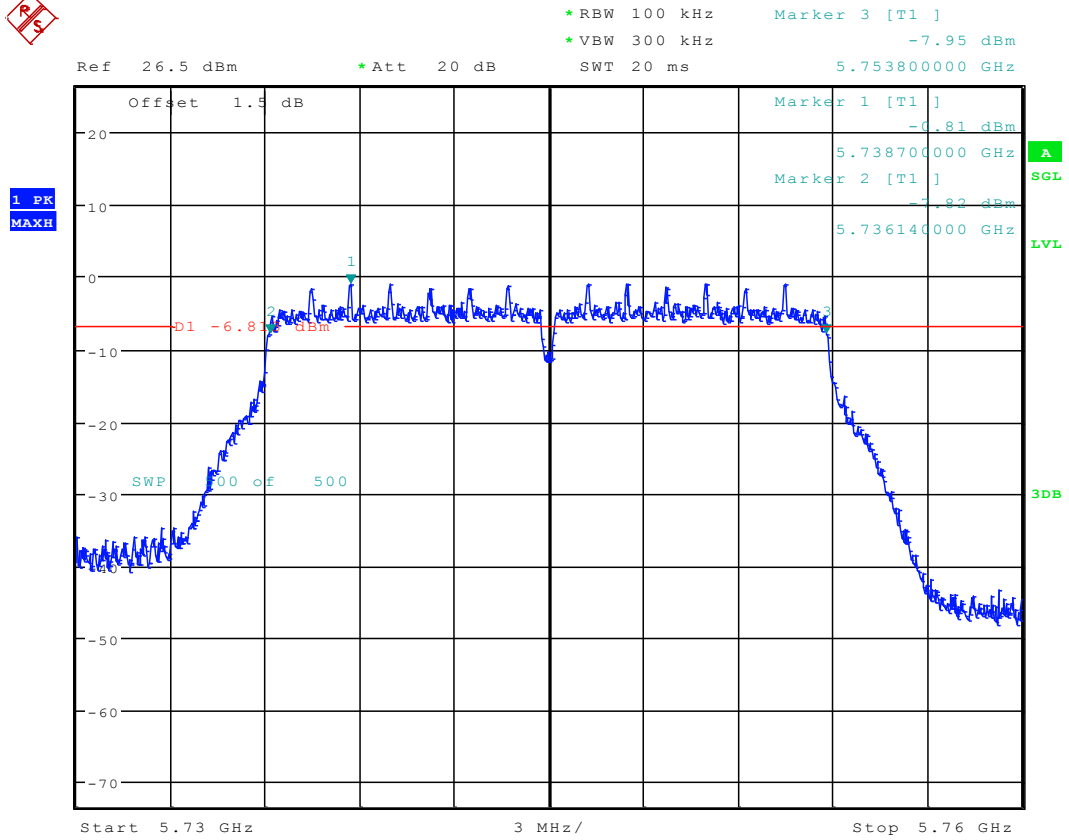
### 4.21 11AC20\_149 ANT 1



Date: 5.AUG.2017 17:22:15

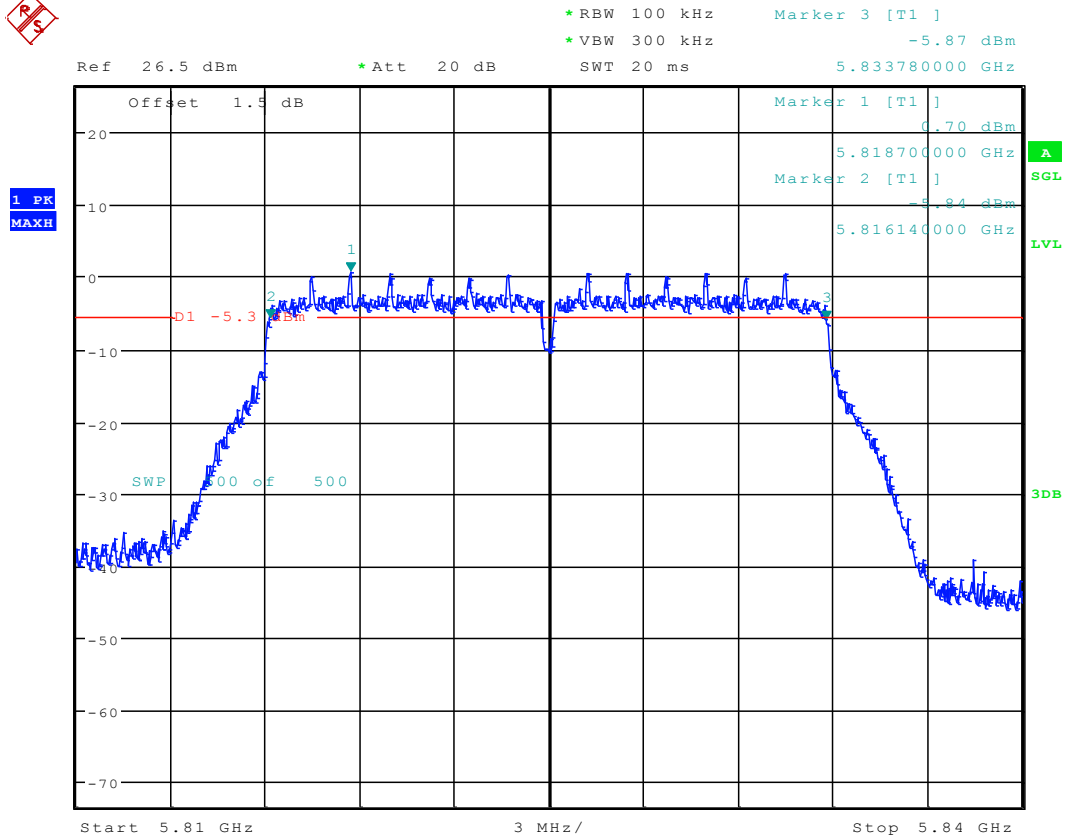


## 4.22 11AC20\_149 ANT 2



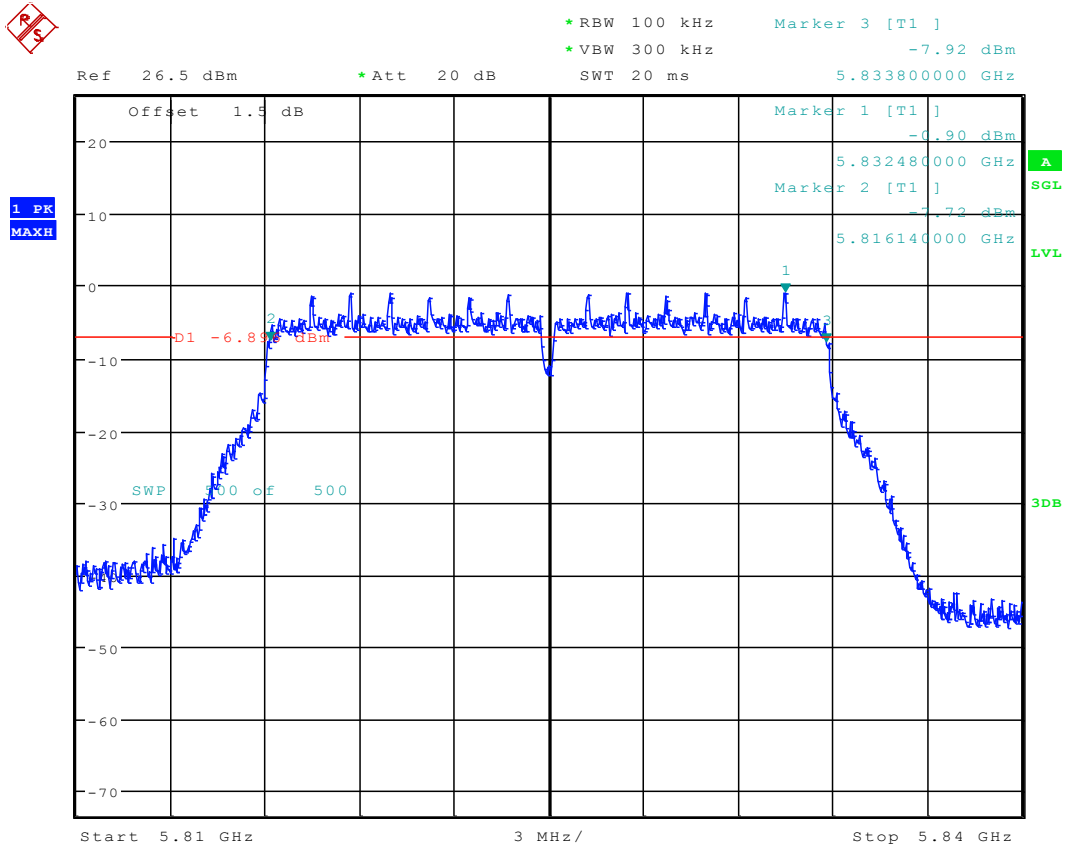
Date: 7.AUG.2017 14:57:37

### 4.23 11AC20\_165 ANT 1



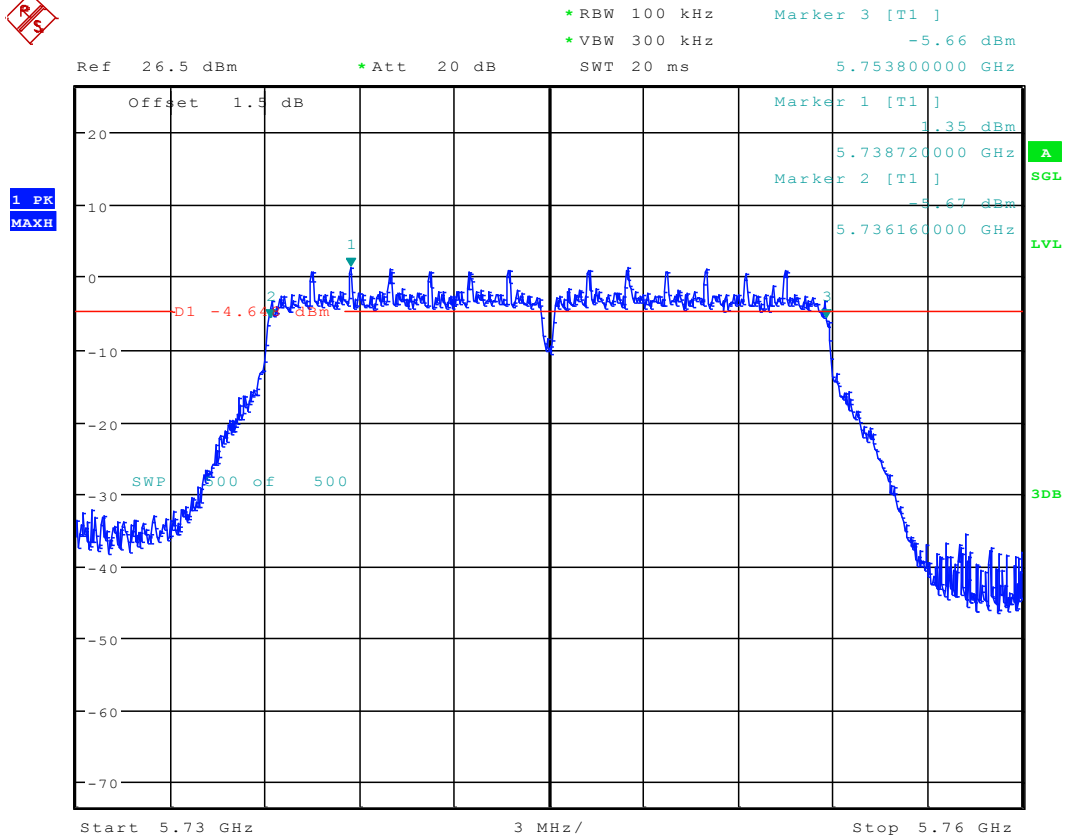
Date: 5.AUG.2017 17:26:17

### 4.24 11AC20\_165 ANT 2



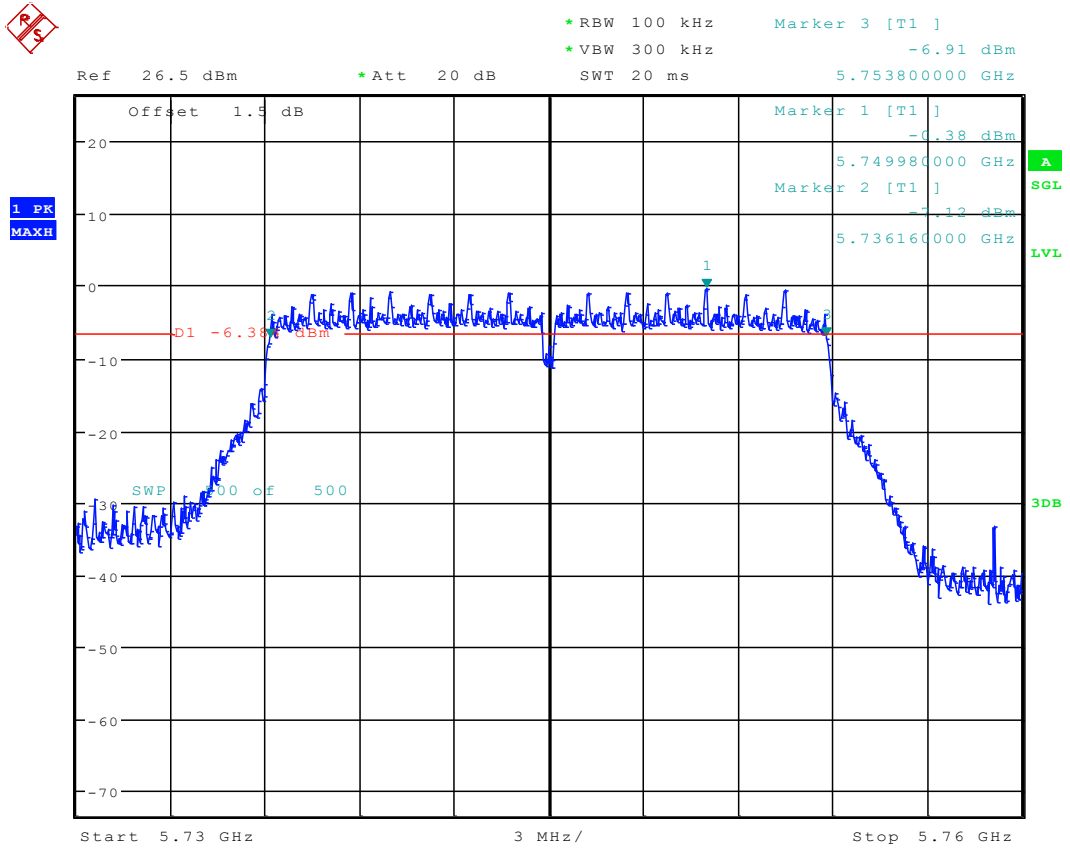
Date: 7.AUG.2017 15:01:01

### 4.25 11AC20MIMO\_149 ANT 1



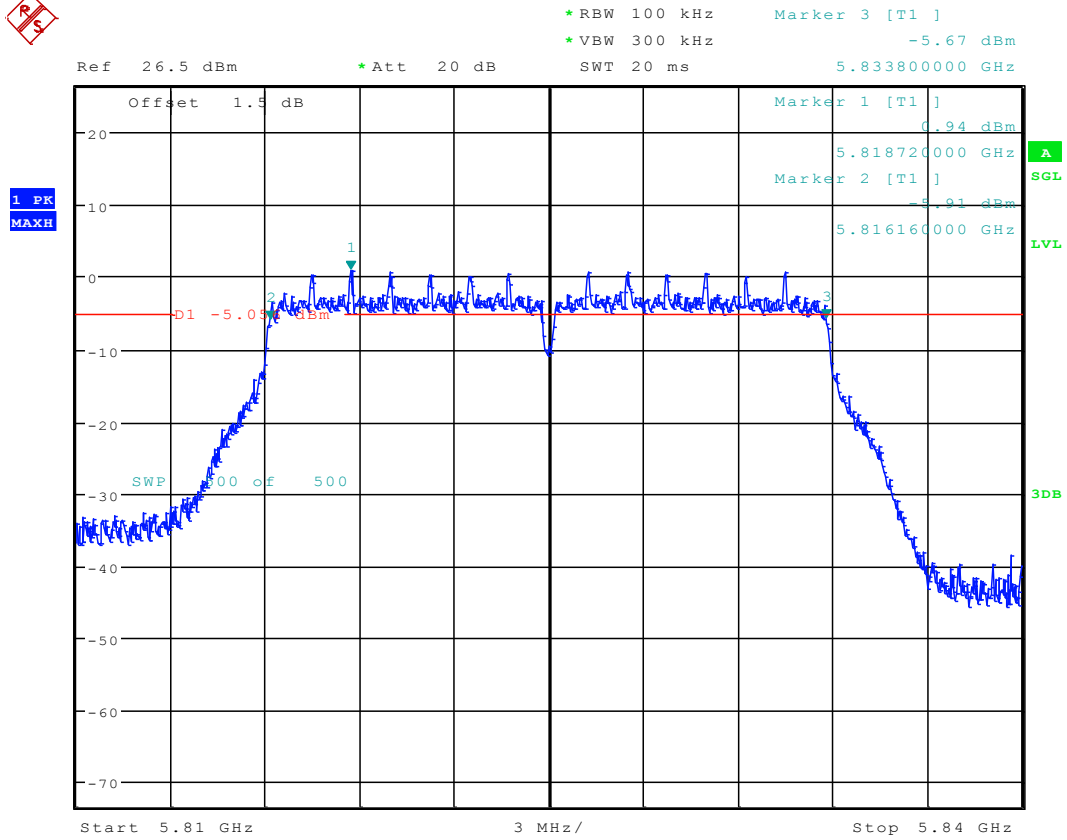
Date: 9.AUG.2017 18:38:06

### 4.26 11AC20MIMO\_149 ANT 2



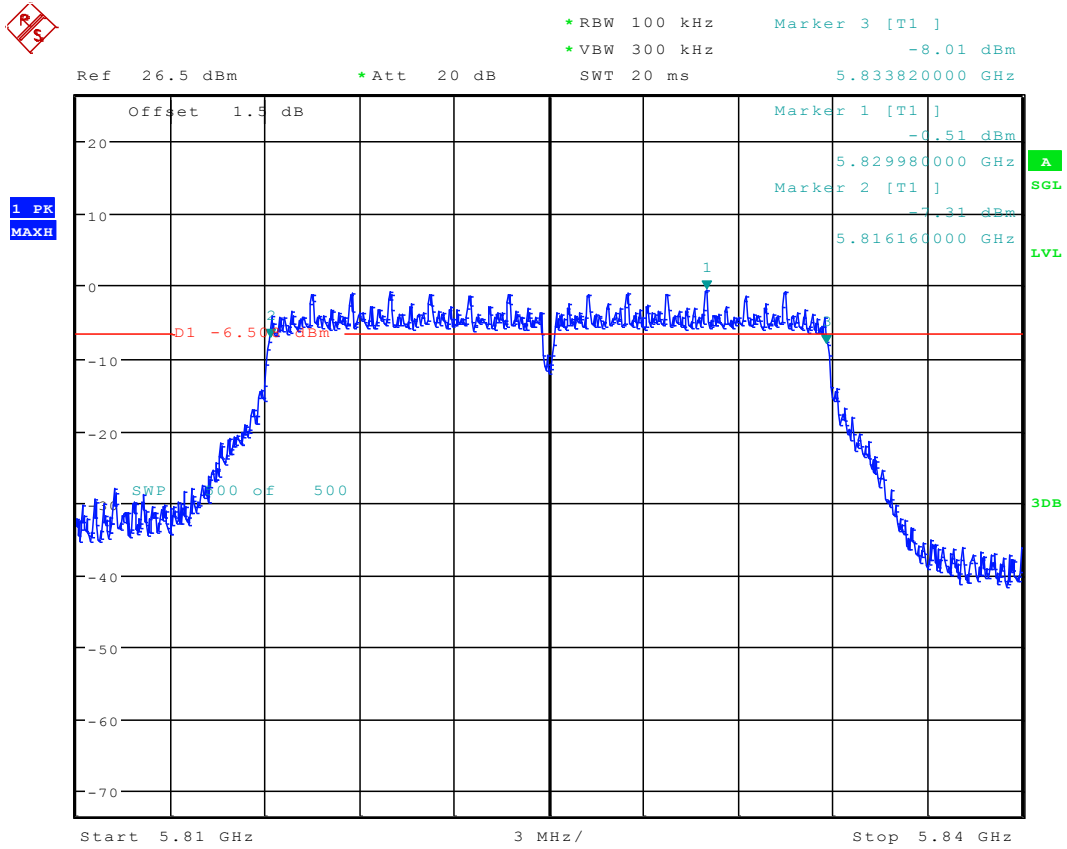
Date: 9.AUG.2017 15:14:24

### 4.27 11AC20MIMO\_165 ANT 1



Date: 9.AUG.2017 18:41:21

### 4.28 11AC20MIMO\_165 ANT 2



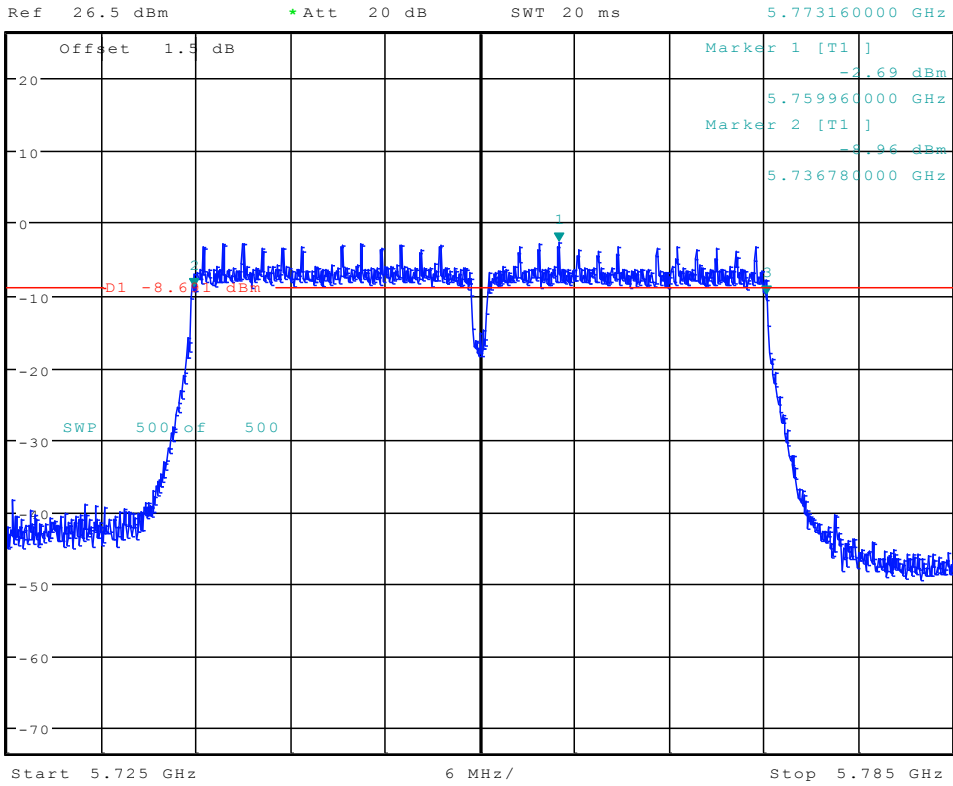
Date: 9.AUG.2017 15:17:38



### 4.29 11AC40\_151 ANT 1



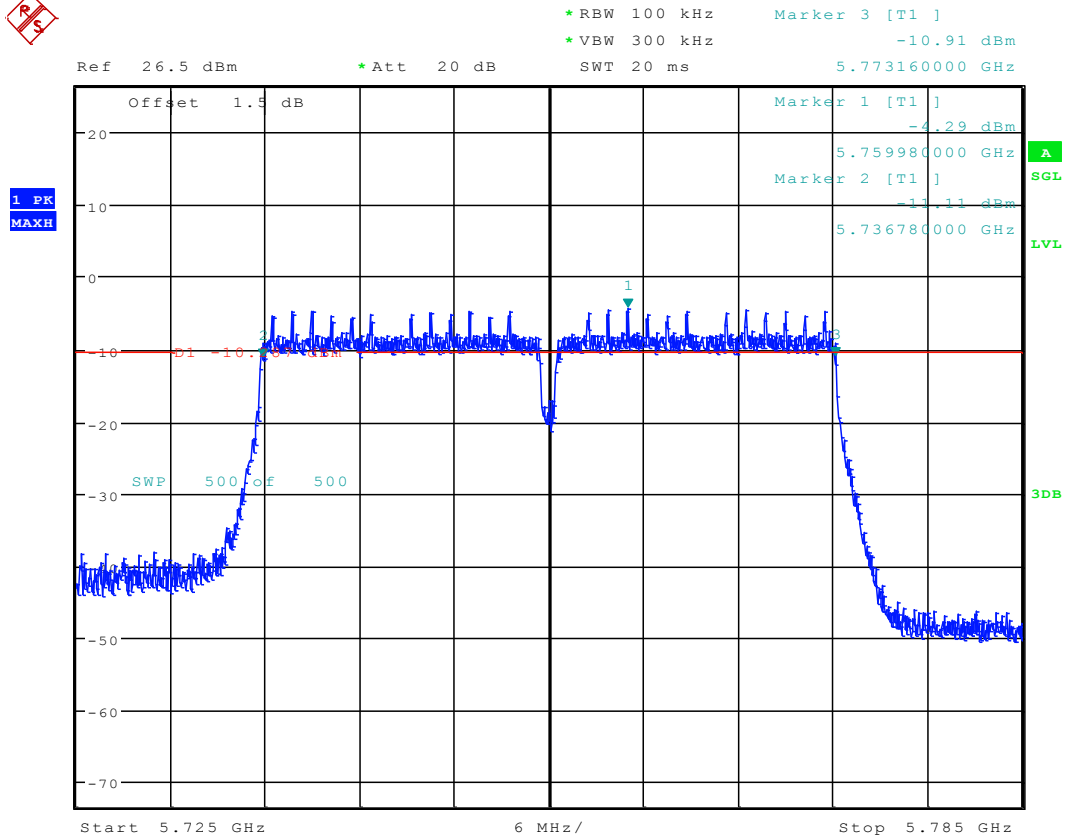
\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -9.85 dBm  
 SWT 20 ms      5.773160000 GHz



Date: 7.AUG.2017 10:05:13



### 4.30 11AC40\_151 ANT 2



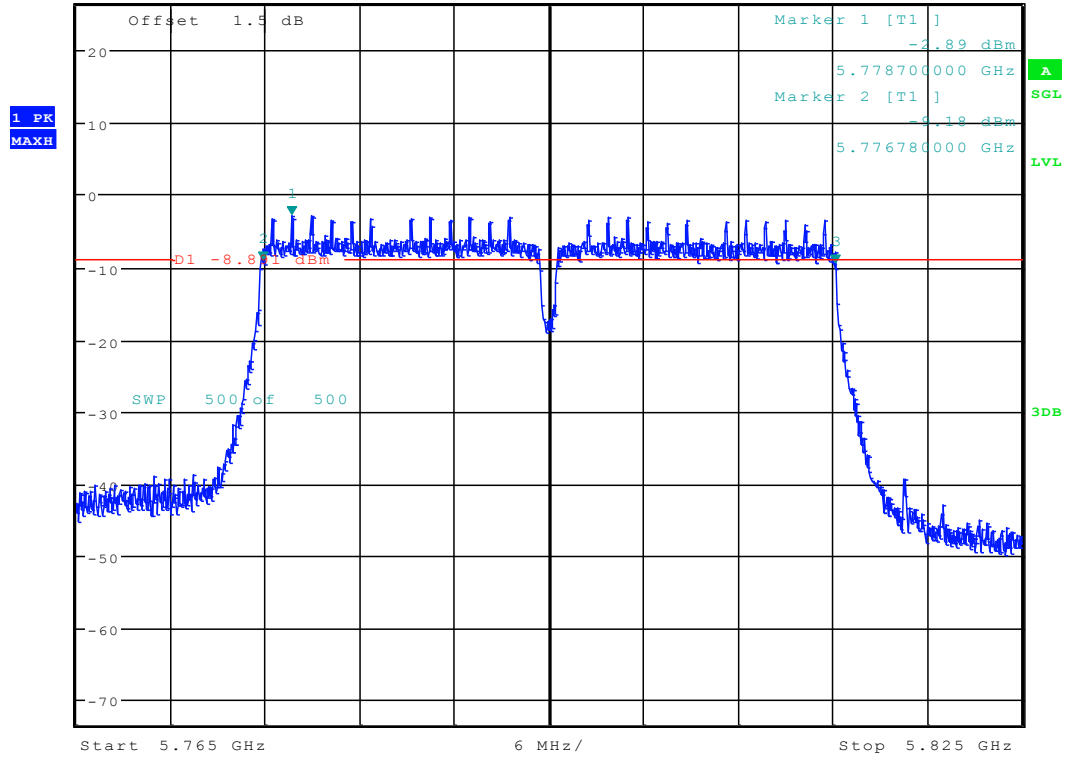
Date: 7.AUG.2017 16:12:41



### 4.31 11AC40\_159 ANT 1



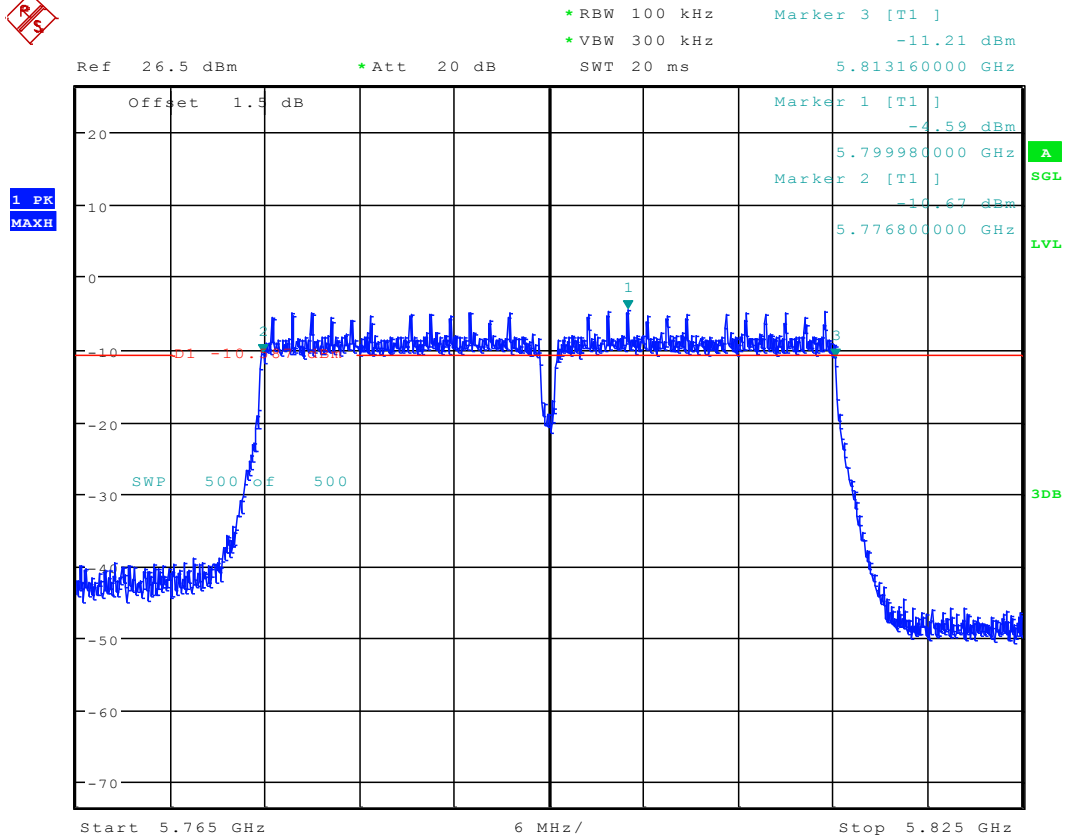
\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -9.51 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.813160000 GHz



Date: 7.AUG.2017 10:08:28



### 4.32 11AC40\_159 ANT 2

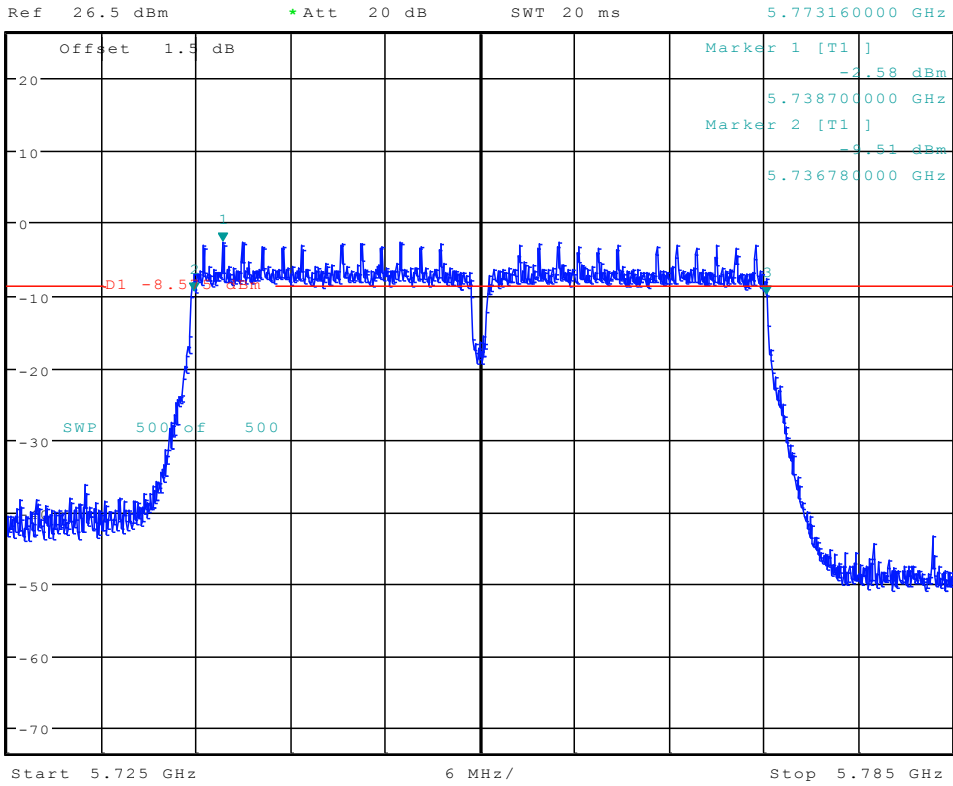


Date: 7.AUG.2017 16:15:52

### 4.33 11AC40MIMO\_151 ANT 1

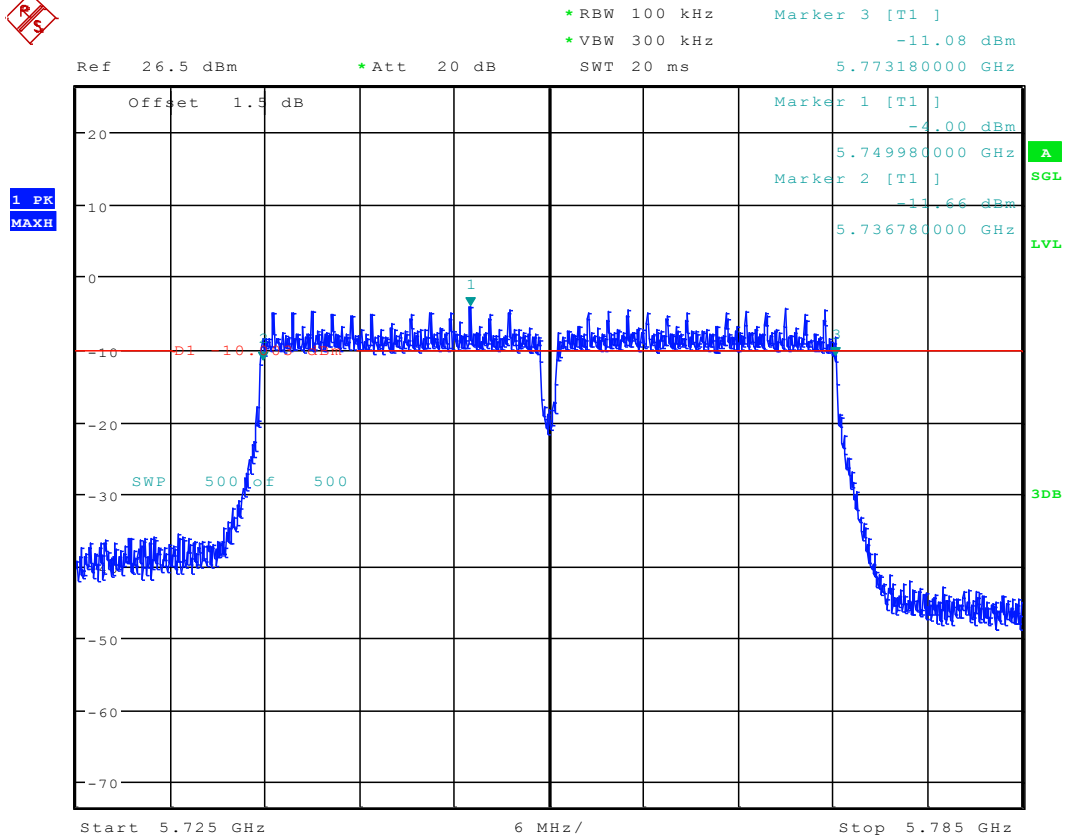


\*RBW 100 kHz      Marker 3 [T1 ]  
\*VBW 300 kHz      -10.03 dBm  
SWT 20 ms      5.773160000 GHz



Date: 10.AUG.2017 09:08:40

## 4.34 11AC40MIMO\_151 ANT 2

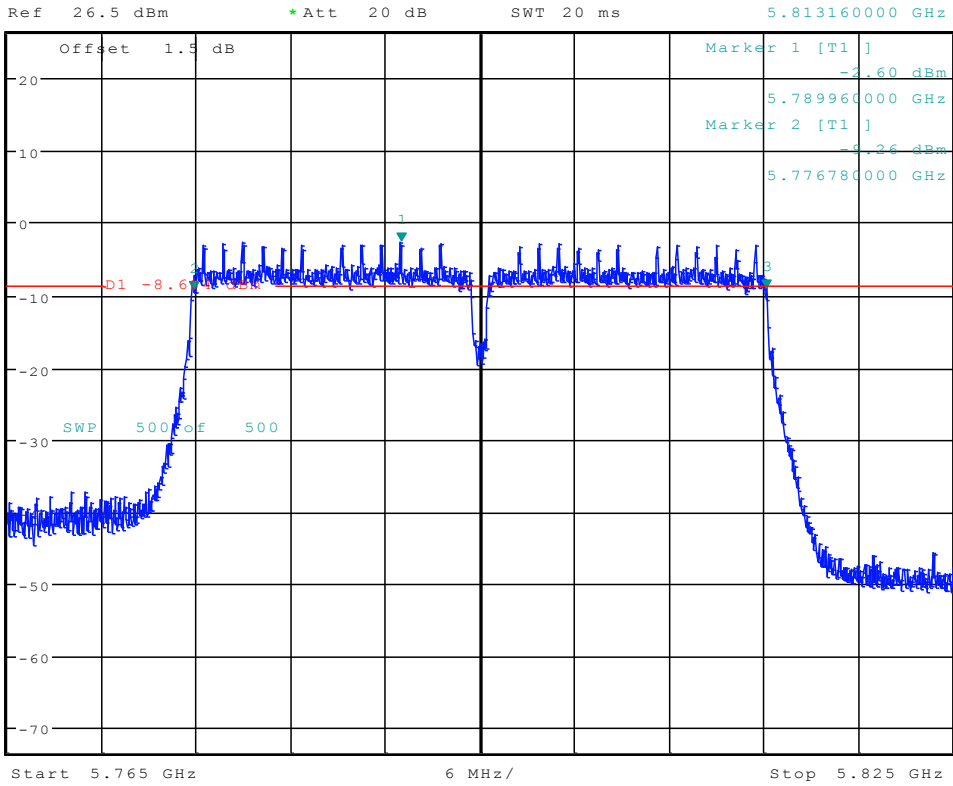


Date: 9.AUG.2017 15:42:49

### 4.35 11AC40MIMO\_159 ANT 1

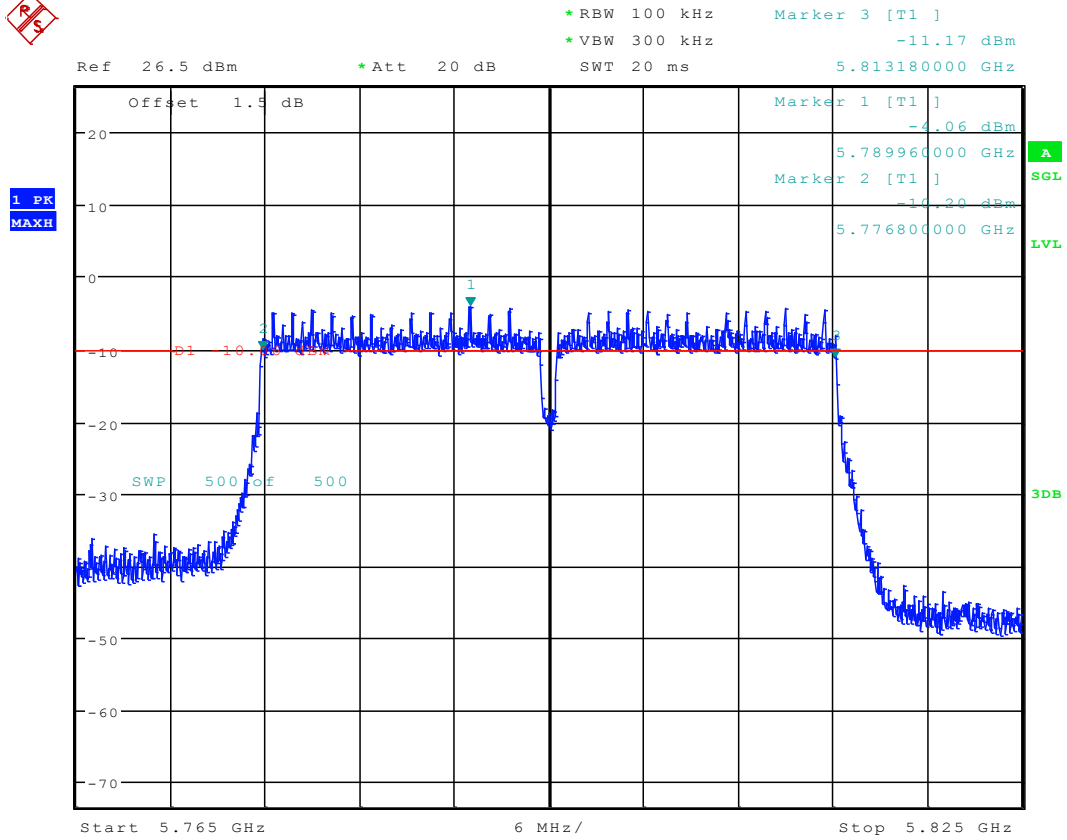


\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -9.02 dBm  
 SWT 20 ms      5.813160000 GHz



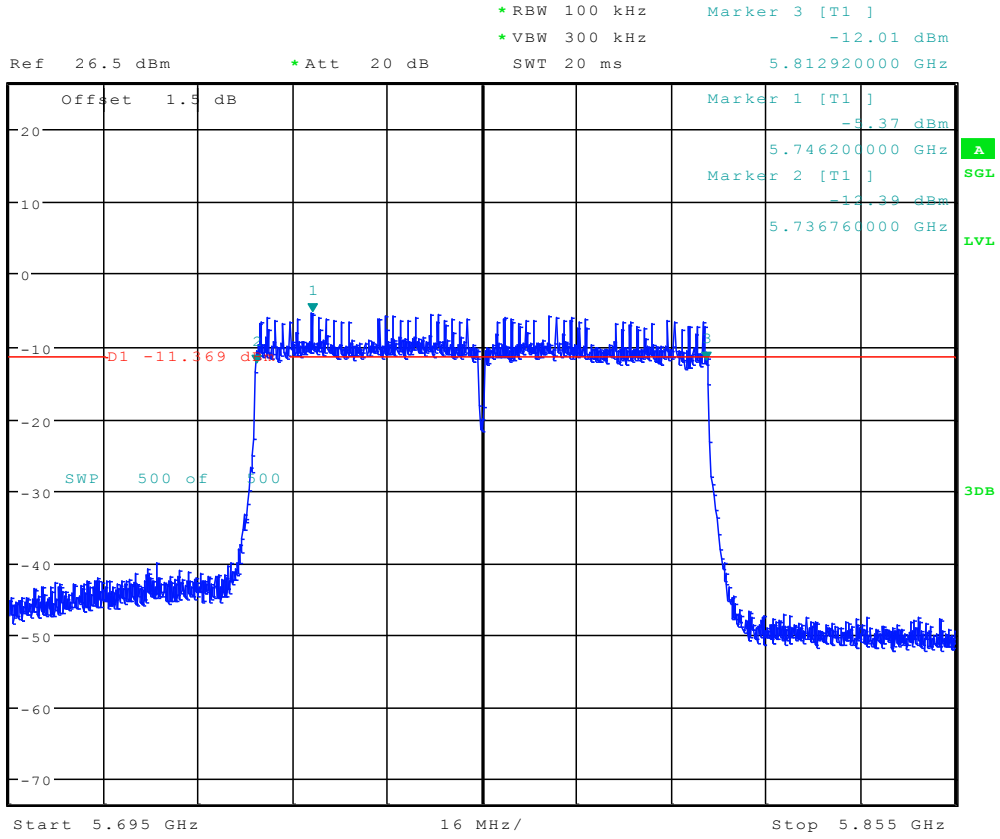
Date: 10.AUG.2017 09:11:51

### 4.36 11AC40MIMO\_159 ANT 2



Date: 9.AUG.2017 15:46:01

### 4.37 11AC80\_155 ANT 1



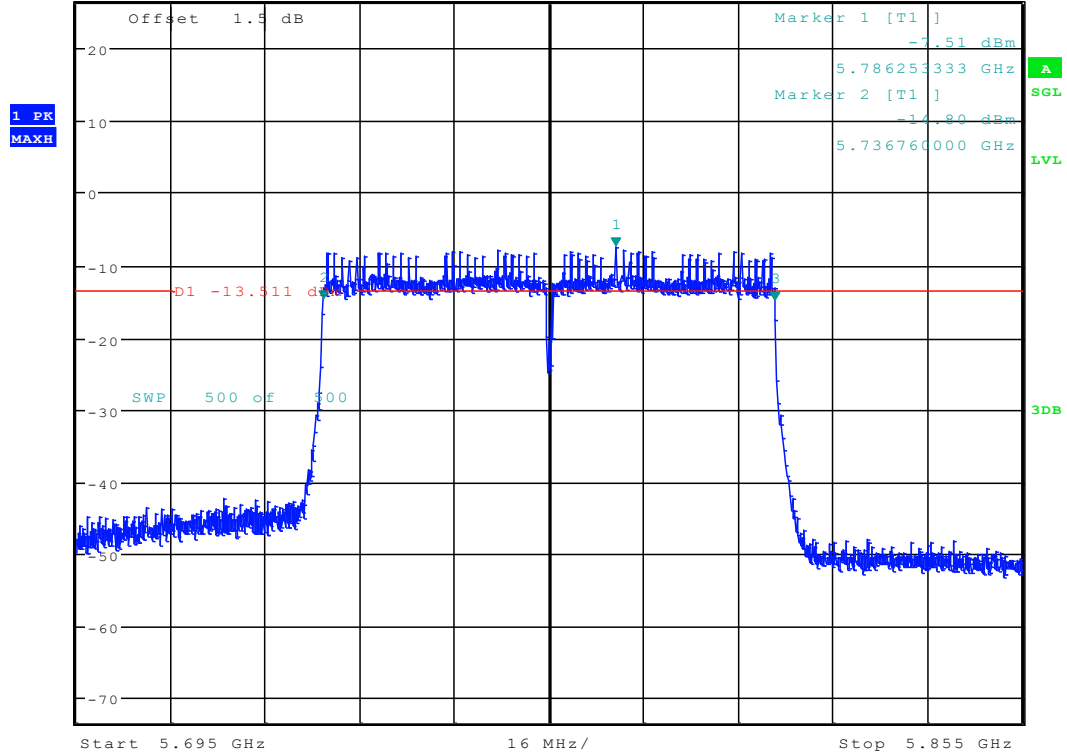
Date: 7.AUG.2017 11:19:38



### 4.38 11AC80\_155 ANT 2



\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -15.05 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.813186667 GHz

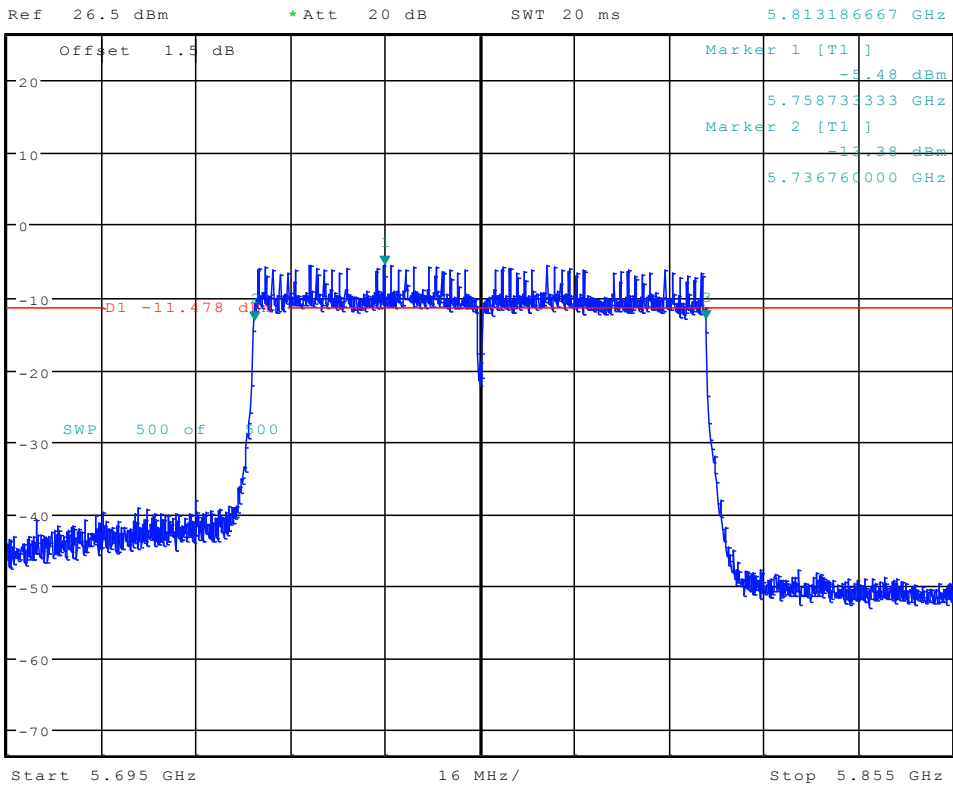


Date: 7.AUG.2017 16:33:51

### 4.39 11AC80MIMO\_155 ANT 1



\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -13.11 dBm  
 SWT 20 ms      5.813186667 GHz



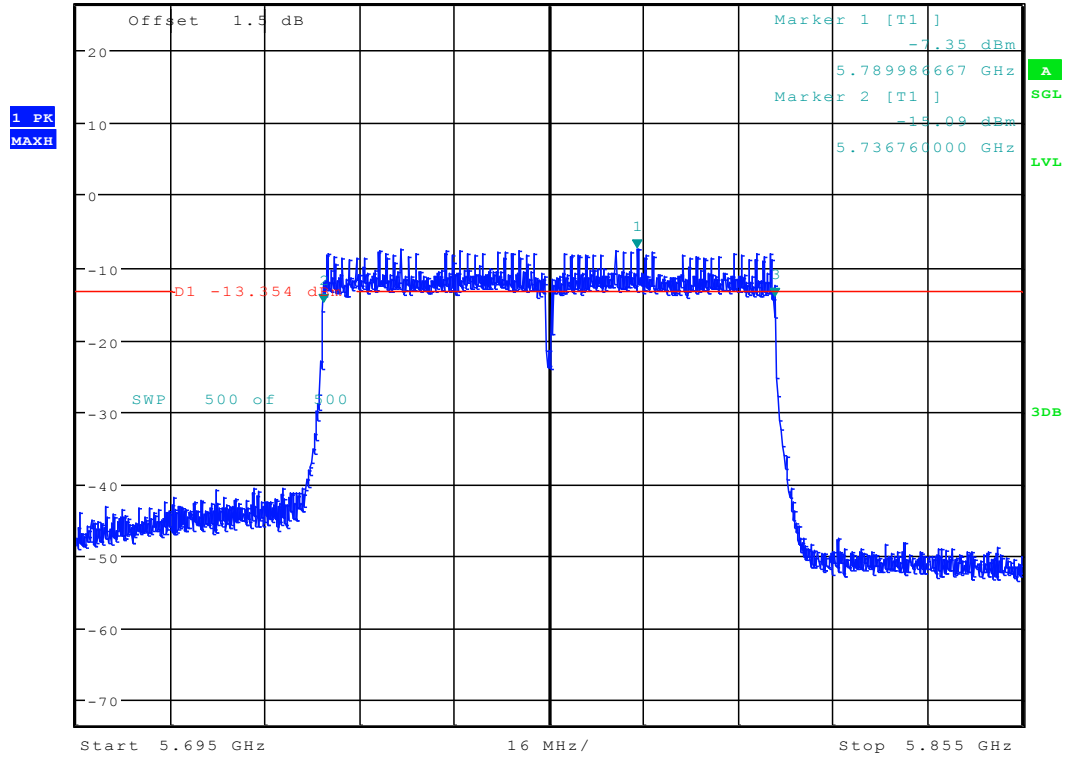
Date: 9.AUG.2017 18:55:03



### 4.40 11AC80MIMO\_155 ANT 2



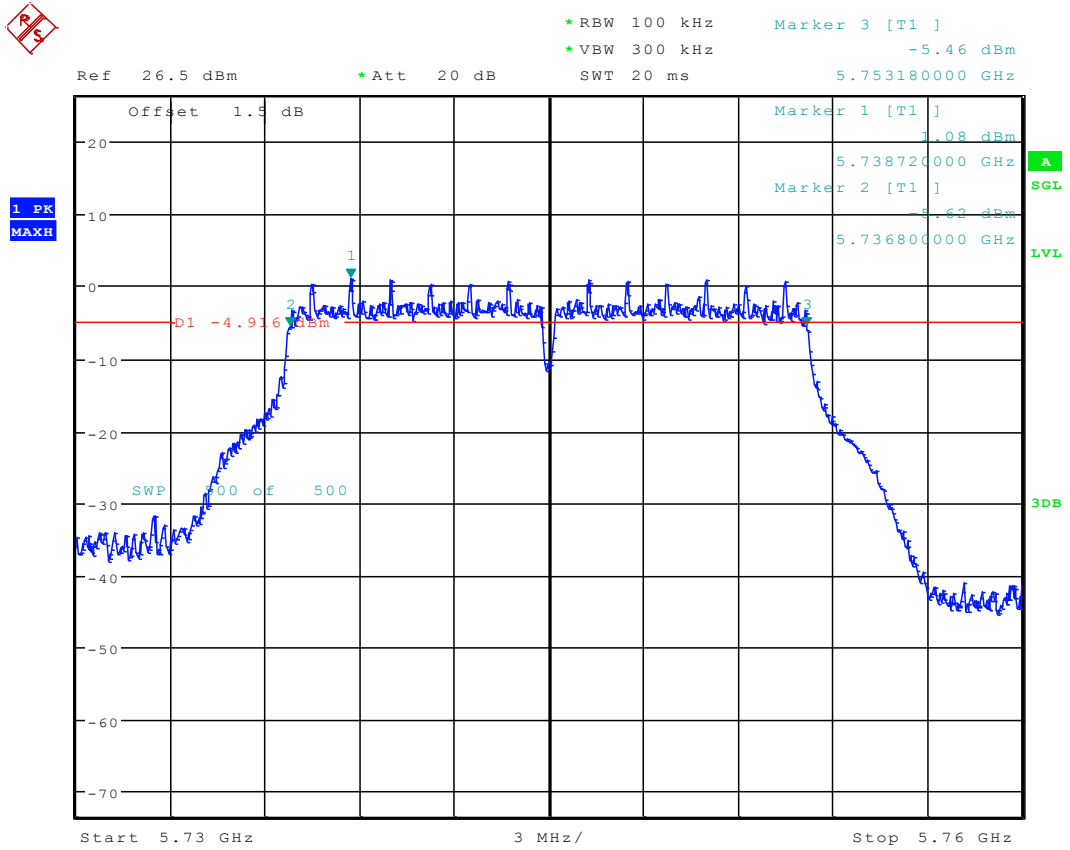
\*RBW 100 kHz      Marker 3 [T1 ]  
 \*VBW 300 kHz      -14.20 dBm  
 Ref 26.5 dBm      \*Att 20 dB      SWT 20 ms      5.813186667 GHz



Date: 9.AUG.2017 16:41:56

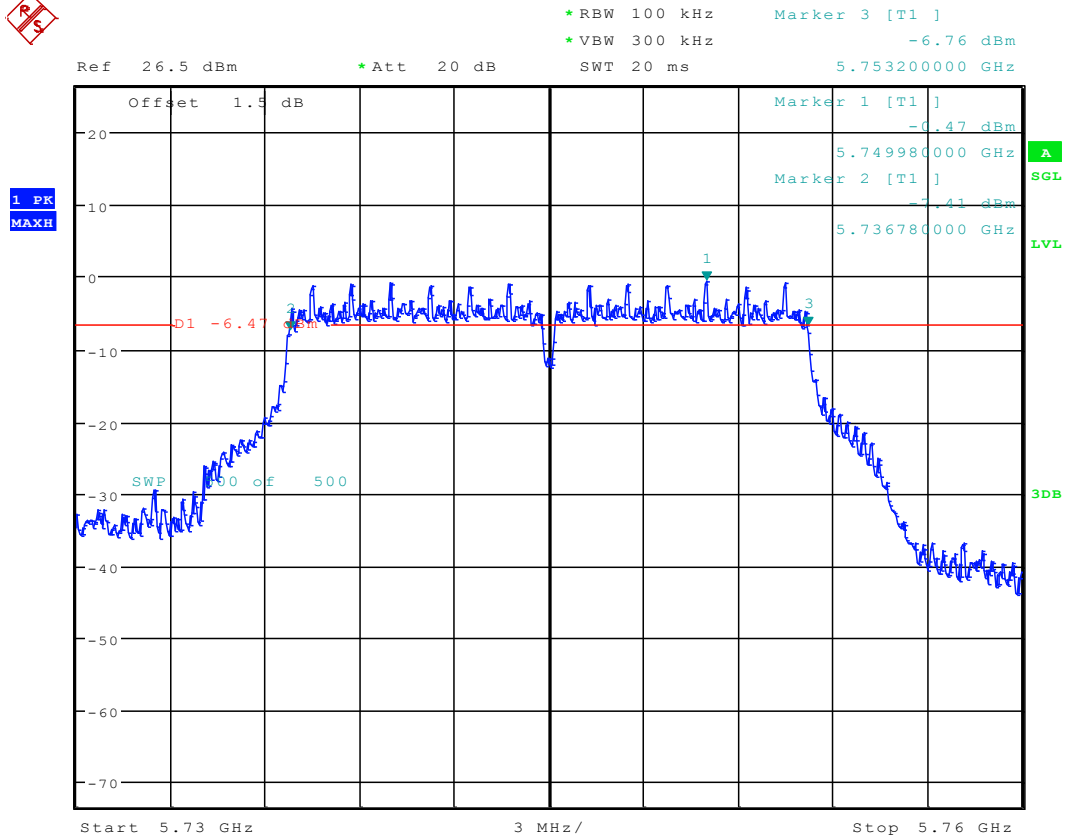


### 4.41 11A-CDD\_149 ANT1



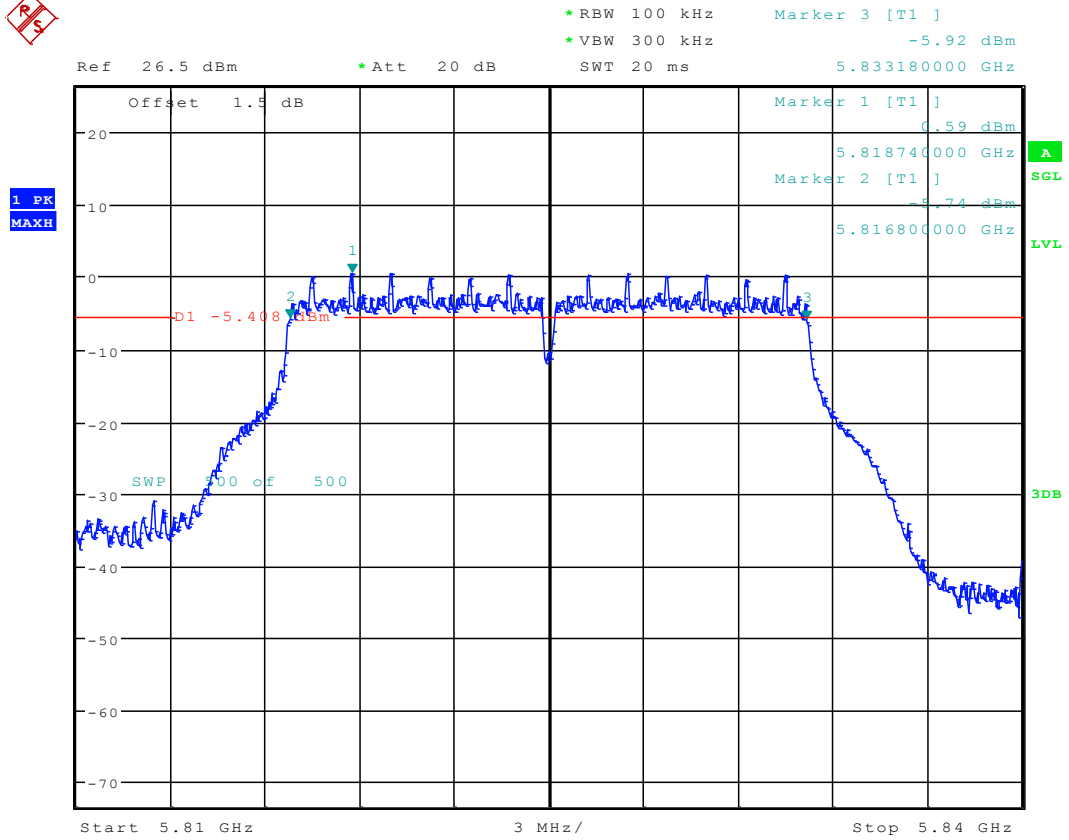
Date: 9.AUG.2017 11:34:01

## 4.42 11A-CDD\_149ANT 2



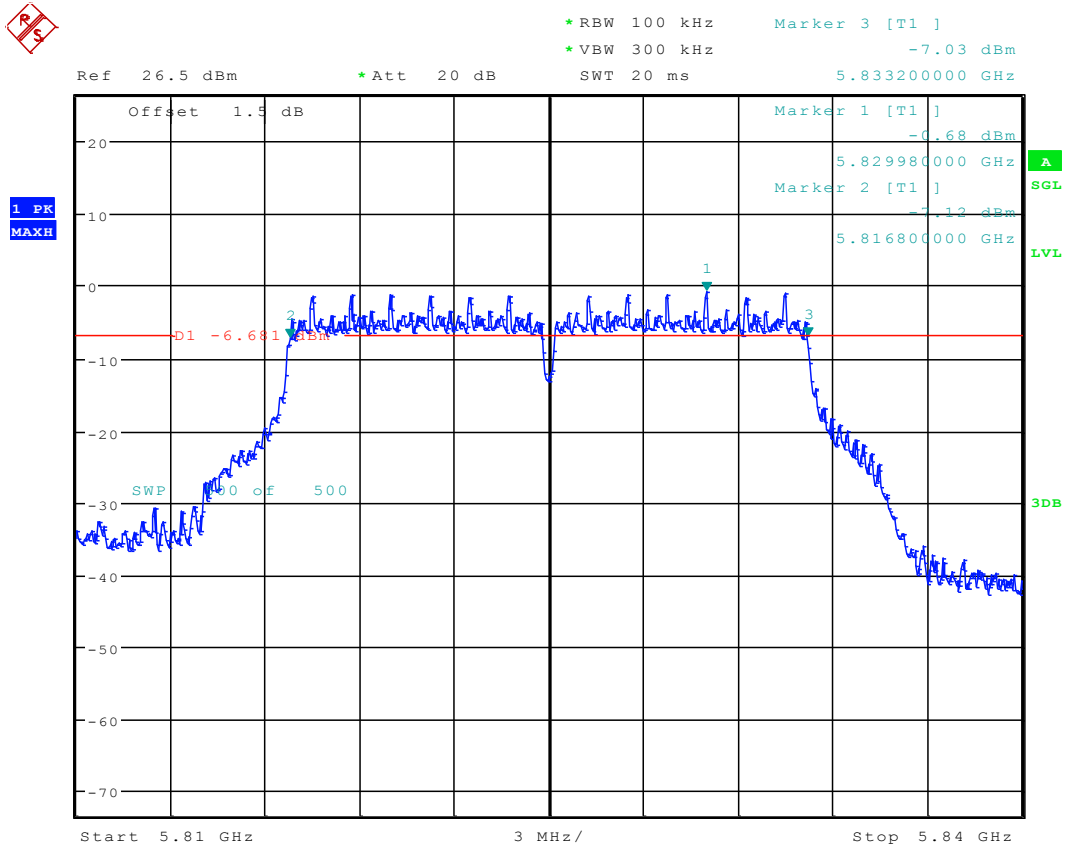
Date: 9.AUG.2017 13:45:30

## 4.43 11A-CDD\_165 ANT 1



Date: 9.AUG.2017 11:38:05

### 4.44 11A-CDD\_165 ANT 2



Date: 9.AUG.2017 13:48:41



# 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	17.3	PASS
	36	5180	ANT 2	17.32	PASS
	48	5240	ANT 1	17.3	PASS
	48	5240	ANT 2	17.32	PASS
	52	5260	ANT 1	17.28	PASS
	52	5260	ANT 2	17.3	PASS
	64	5320	ANT 1	17.3	PASS
	64	5320	ANT 2	17.3	PASS
	100	5500	ANT 1	17.3	PASS
	100	5500	ANT 2	17.32	PASS
	140	5700	ANT 1	17.3	PASS
	140	5700	ANT 2	17.3	PASS
	144	5720	ANT 1	17.3	PASS
	144	5720	ANT 2	17.34	PASS
	149	5745	ANT 1	17.32	PASS
	149	5745	ANT 2	17.32	PASS
	165	5825	ANT 1	17.32	PASS
	165	5825	ANT 2	17.32	PASS
11N20	36	5180	ANT 1	18.38	PASS
	36	5180	ANT 2	18.38	PASS
	48	5240	ANT 1	18.36	PASS
	48	5240	ANT 2	18.36	PASS
	52	5260	ANT 1	18.38	PASS
	52	5260	ANT 2	18.44	PASS
	64	5320	ANT 1	18.34	PASS
	64	5320	ANT 2	18.36	PASS
	100	5500	ANT 1	18.4	PASS
	100	5500	ANT 2	18.38	PASS
	140	5700	ANT 1	18.4	PASS
	140	5700	ANT 2	18.38	PASS
	144	5720	ANT 1	18.38	PASS
	144	5720	ANT 2	18.38	PASS
	149	5745	ANT 1	18.38	PASS



	149	5745	ANT 2	18.4	PASS
	165	5825	ANT 1	18.4	PASS
	165	5825	ANT 2	18.4	PASS
11N20MIMO	36	5180	ANT 1	18.36	PASS
	36	5180	ANT 2	18.1	PASS
	48	5240	ANT 1	18.38	PASS
	48	5240	ANT 2	18.06	PASS
	52	5260	ANT 1	18.38	PASS
	52	5260	ANT 2	18.08	PASS
	64	5320	ANT 1	18.34	PASS
	64	5320	ANT 2	18.1	PASS
	100	5500	ANT 1	18.38	PASS
	100	5500	ANT 2	18.12	PASS
	140	5700	ANT 1	18.38	PASS
	140	5700	ANT 2	18.08	PASS
	144	5720	ANT 1	18.36	PASS
	144	5720	ANT 2	18.14	PASS
	149	5745	ANT 1	18.38	PASS
	149	5745	ANT 2	18.1	PASS
	165	5825	ANT 1	18.36	PASS
	165	5825	ANT 2	18.1	PASS
	11N40	38	5190	ANT 1	36.62
38		5190	ANT 2	36.58	PASS
46		5230	ANT 1	36.58	PASS
46		5230	ANT 2	36.6	PASS
54		5270	ANT 1	36.64	PASS
54		5270	ANT 2	36.58	PASS
62		5310	ANT 1	36.6	PASS
62		5310	ANT 2	36.62	PASS
102		5510	ANT 1	36.6	PASS
102		5510	ANT 2	36.56	PASS
134		5670	ANT 1	36.62	PASS
134		5670	ANT 2	36.6	PASS
142		5710	ANT 1	36.6	PASS
142		5710	ANT 2	36.56	PASS
151		5755	ANT 1	36.58	PASS
151		5755	ANT 2	36.6	PASS
159		5795	ANT 1	36.58	PASS
159		5795	ANT 2	36.62	PASS
11N40MIMO	38	5190	ANT 1	36.6	PASS
	38	5190	ANT 2	36.42	PASS



	46	5230	ANT 1	36.58	PASS
	46	5230	ANT 2	36.4	PASS
	54	5270	ANT 1	36.62	PASS
	54	5270	ANT 2	36.38	PASS
	62	5310	ANT 1	36.6	PASS
	62	5310	ANT 2	36.4	PASS
	102	5510	ANT 1	36.6	PASS
	102	5510	ANT 2	36.42	PASS
	134	5670	ANT 1	36.62	PASS
	134	5670	ANT 2	36.4	PASS
	142	5710	ANT 1	36.56	PASS
	142	5710	ANT 2	36.4	PASS
	151	5755	ANT 1	36.6	PASS
	151	5755	ANT 2	36.4	PASS
	159	5795	ANT 1	36.58	PASS
	159	5795	ANT 2	36.4	PASS
11AC20	36	5180	ANT 1	18.4	PASS
	36	5180	ANT 2	18.38	PASS
	48	5240	ANT 1	18.34	PASS
	48	5240	ANT 2	18.38	PASS
	52	5260	ANT 1	18.36	PASS
	52	5260	ANT 2	18.36	PASS
	64	5320	ANT 1	18.36	PASS
	64	5320	ANT 2	18.36	PASS
	100	5500	ANT 1	18.38	PASS
	100	5500	ANT 2	18.36	PASS
	140	5700	ANT 1	18.38	PASS
	140	5700	ANT 2	18.4	PASS
	144	5720	ANT 1	18.36	PASS
	144	5720	ANT 2	18.4	PASS
	149	5745	ANT 1	18.38	PASS
	149	5745	ANT 2	18.42	PASS
	165	5825	ANT 1	18.4	PASS
	165	5825	ANT 2	18.38	PASS
11AC20MIMO	36	5180	ANT 1	18.36	PASS
	36	5180	ANT 2	18.18	PASS
	48	5240	ANT 1	18.4	PASS
	48	5240	ANT 2	18.06	PASS
	52	5260	ANT 1	18.38	PASS
	52	5260	ANT 2	18.06	PASS
	64	5320	ANT 1	18.34	PASS



	64	5320	ANT 2	18.08	PASS
	100	5500	ANT 1	18.36	PASS
	100	5500	ANT 2	18.1	PASS
	140	5700	ANT 1	18.4	PASS
	140	5700	ANT 2	18.08	PASS
	144	5720	ANT 1	18.34	PASS
	144	5720	ANT 2	18.12	PASS
	149	5745	ANT 1	18.4	PASS
	149	5745	ANT 2	18.08	PASS
	165	5825	ANT 1	18.36	PASS
	165	5825	ANT 2	18.12	PASS
11AC40	38	5190	ANT 1	36.6	PASS
	38	5190	ANT 2	36.54	PASS
	46	5230	ANT 1	36.56	PASS
	46	5230	ANT 2	36.6	PASS
	54	5270	ANT 1	36.58	PASS
	54	5270	ANT 2	36.6	PASS
	62	5310	ANT 1	36.56	PASS
	62	5310	ANT 2	36.58	PASS
	102	5510	ANT 1	36.58	PASS
	102	5510	ANT 2	36.56	PASS
	134	5670	ANT 1	36.6	PASS
	134	5670	ANT 2	36.58	PASS
	142	5710	ANT 1	36.54	PASS
	142	5710	ANT 2	36.58	PASS
	151	5755	ANT 1	36.56	PASS
	151	5755	ANT 2	36.56	PASS
159	5795	ANT 1	36.58	PASS	
159	5795	ANT 2	36.58	PASS	
11AC40MIMO	38	5190	ANT 1	36.58	PASS
	38	5190	ANT 2	36.4	PASS
	46	5230	ANT 1	36.58	PASS
	46	5230	ANT 2	36.36	PASS
	54	5270	ANT 1	36.58	PASS
	54	5270	ANT 2	36.36	PASS
	62	5310	ANT 1	36.58	PASS
	62	5310	ANT 2	36.38	PASS
	102	5510	ANT 1	36.56	PASS
	102	5510	ANT 2	36.38	PASS
	134	5670	ANT 1	36.58	PASS
	134	5670	ANT 2	36.4	PASS



	142	5710	ANT 1	36.56	PASS
	142	5710	ANT 2	36.38	PASS
	151	5755	ANT 1	36.58	PASS
	151	5755	ANT 2	36.36	PASS
	159	5795	ANT 1	36.58	PASS
	159	5795	ANT 2	36.38	PASS
11AC80	42	5210	ANT 1	76.04	PASS
	42	5210	ANT 2	75.96	PASS
	58	5290	ANT 1	76.08	PASS
	58	5290	ANT 2	76.12	PASS
	106	5530	ANT 1	76.16	PASS
	106	5530	ANT 2	76.08	PASS
	138	5690	ANT 1	76	PASS
	138	5690	ANT 2	76.04	PASS
	155	5775	ANT 1	76	PASS
	155	5775	ANT 2	76.16	PASS
11AC80MIMO	42	5210	ANT 1	75.96	PASS
	42	5210	ANT 2	75.84	PASS
	58	5290	ANT 1	76.04	PASS
	58	5290	ANT 2	75.92	PASS
	106	5530	ANT 1	76.16	PASS
	106	5530	ANT 2	75.92	PASS
	138	5690	ANT 1	75.96	PASS
	138	5690	ANT 2	75.88	PASS
	155	5775	ANT 1	76.08	PASS
	155	5775	ANT 2	75.88	PASS
11A-CDD	36	5180	ANT 1	17.3	PASS
	36	5180	ANT 2	17.24	PASS
	48	5240	ANT 1	17.3	PASS
	48	5240	ANT 2	17.22	PASS
	52	5260	ANT 1	17.3	PASS
	52	5260	ANT 2	17.2	PASS
	64	5320	ANT 1	17.3	PASS
	64	5320	ANT 2	17.22	PASS
	100	5500	ANT 1	17.34	PASS
	100	5500	ANT 2	17.28	PASS
	140	5700	ANT 1	17.38	PASS
	140	5700	ANT 2	17.24	PASS
	144	5720	ANT 1	17.36	PASS
	144	5720	ANT 2	17.34	PASS



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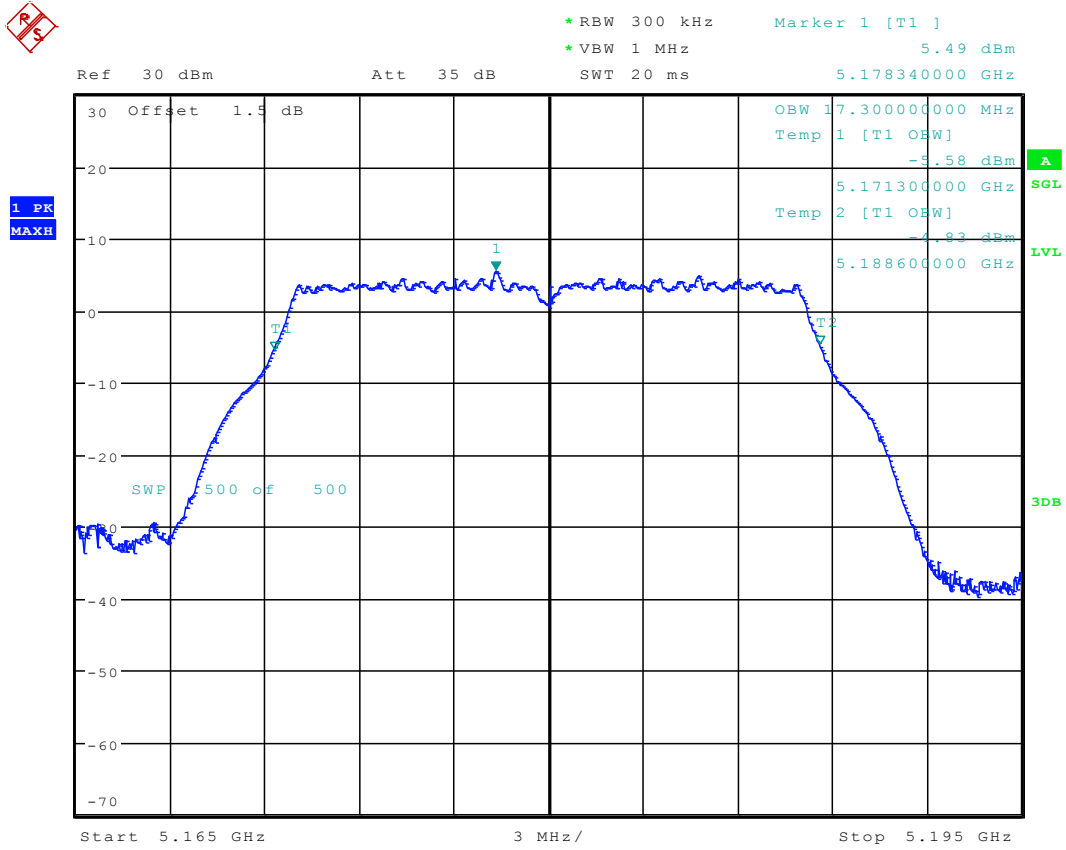
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	149	5745	ANT 1	17.36	PASS
	149	5745	ANT 2	17.28	PASS
	165	5825	ANT 1	17.34	PASS
	165	5825	ANT 2	17.3	PASS



## 6 Test Plot

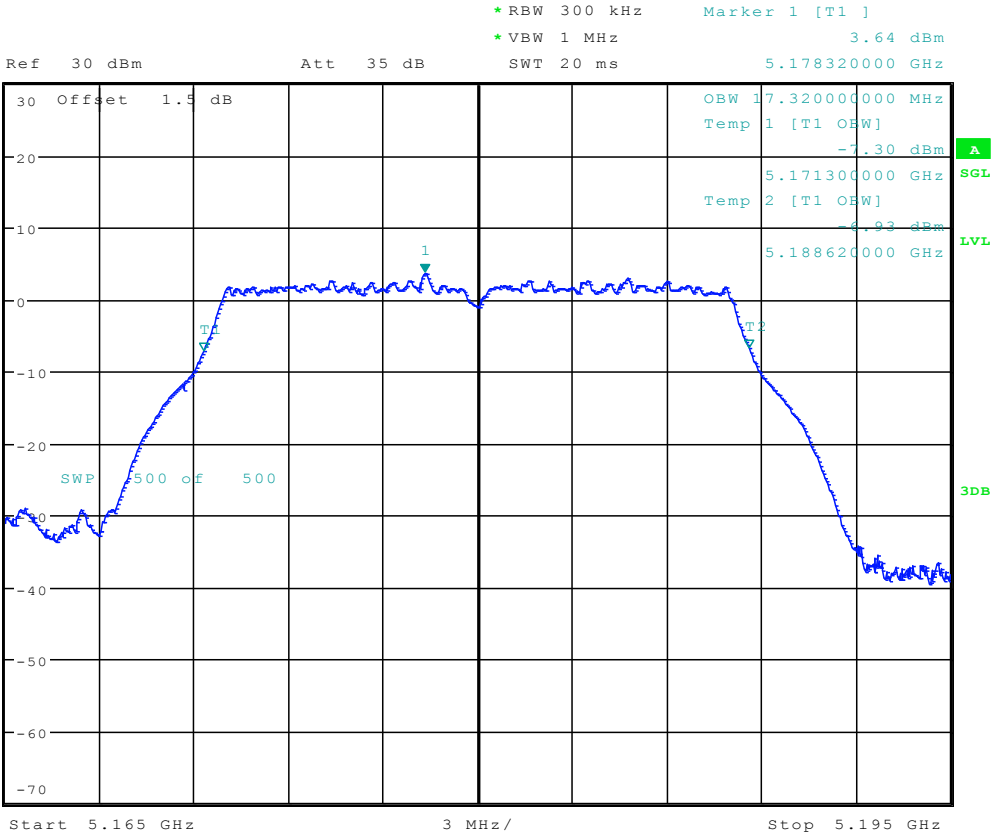
### 6.1 11A20\_36 ANT 1



Date: 5.AUG.2017 15:45:08



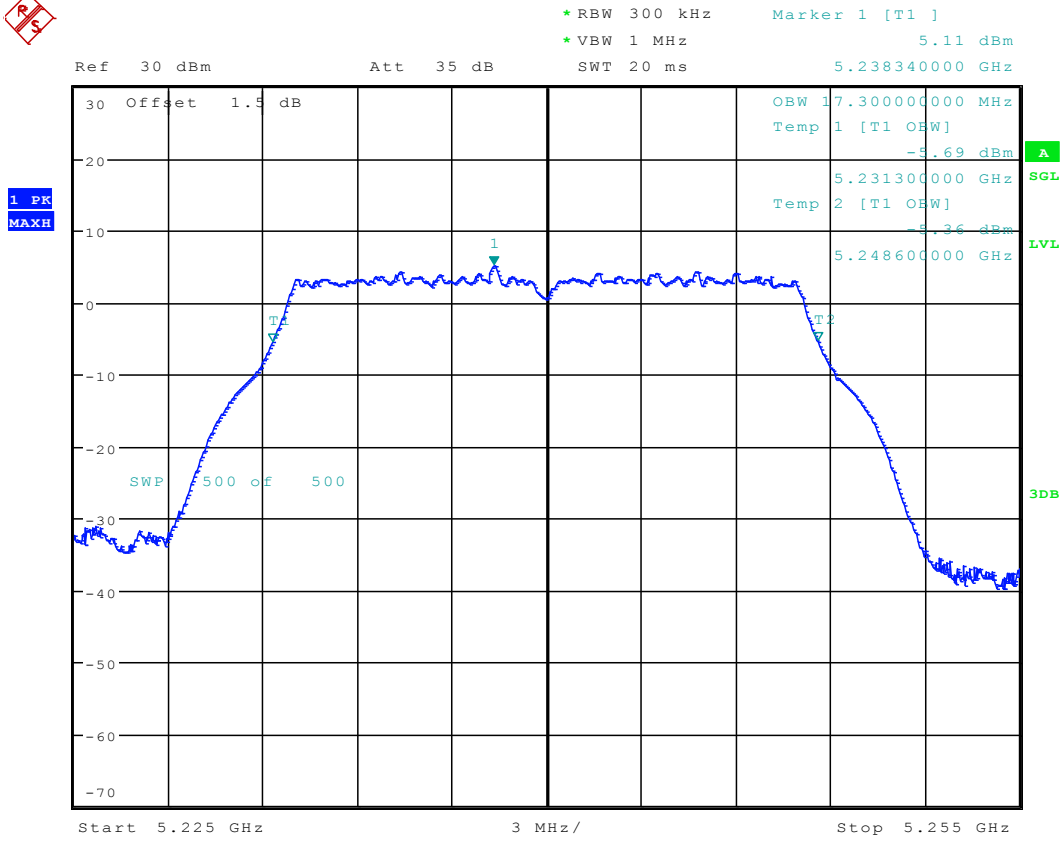
6.2 11A20\_36 ANT 2



Date: 7.AUG.2017 11:28:28

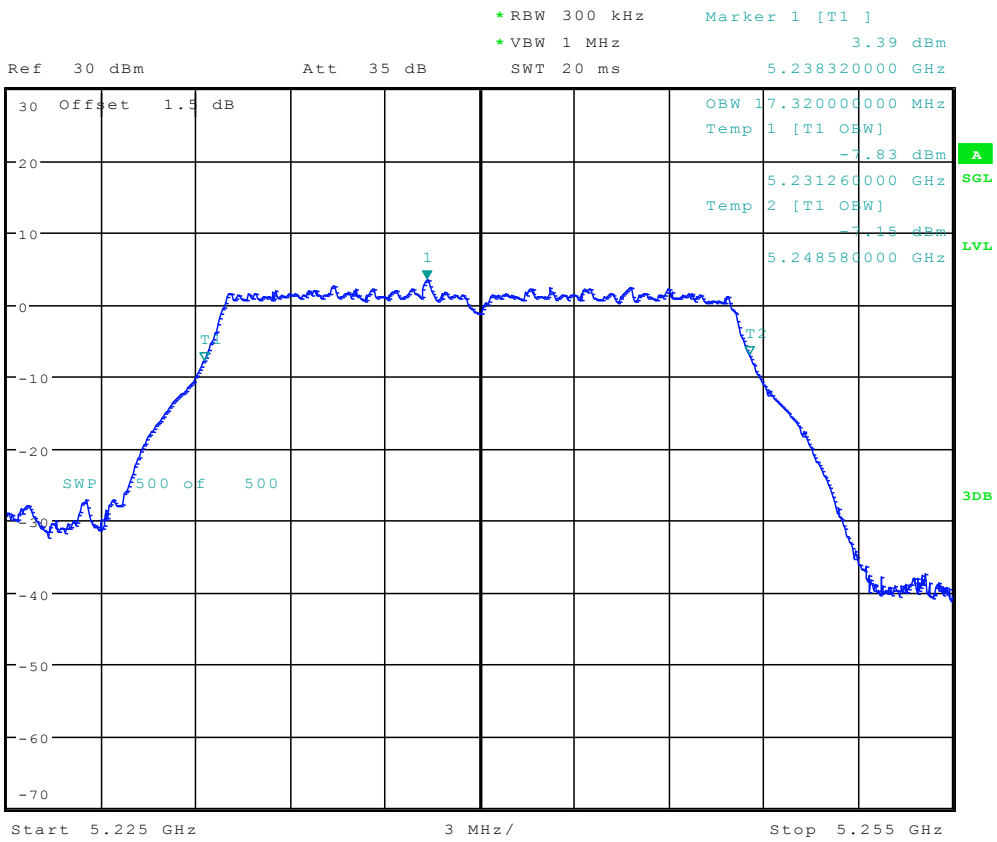


### 6.3 11A20\_48 ANT 1



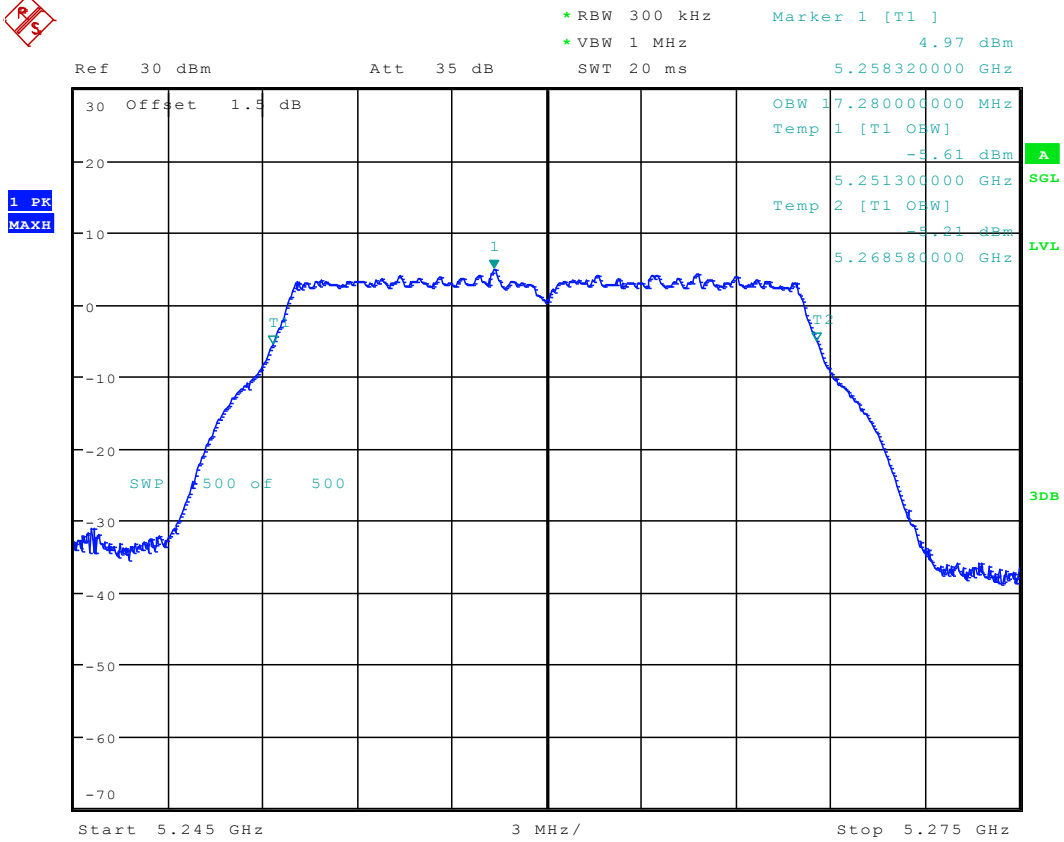
Date: 5.AUG.2017 15:48:41

### 6.4 11A20\_48 ANT 2



Date: 7.AUG.2017 11:31:28

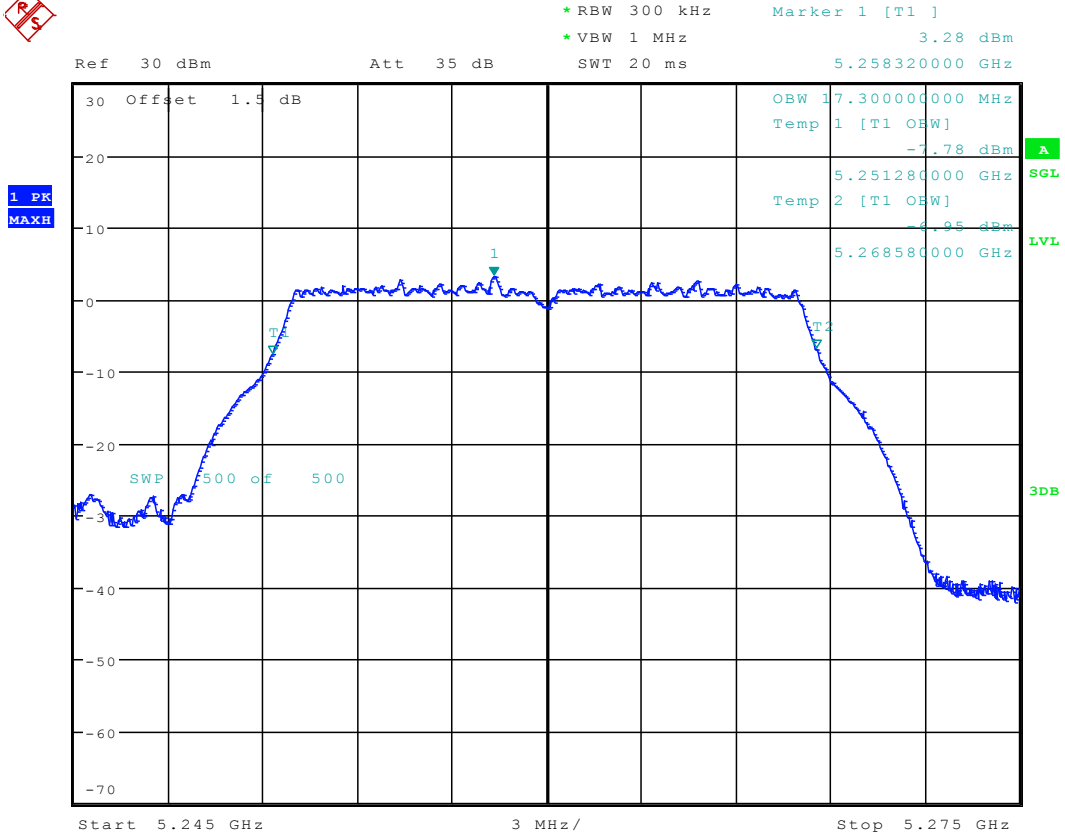
## 6.5 11A20\_52 ANT 1



Date: 5.AUG.2017 15:53:09



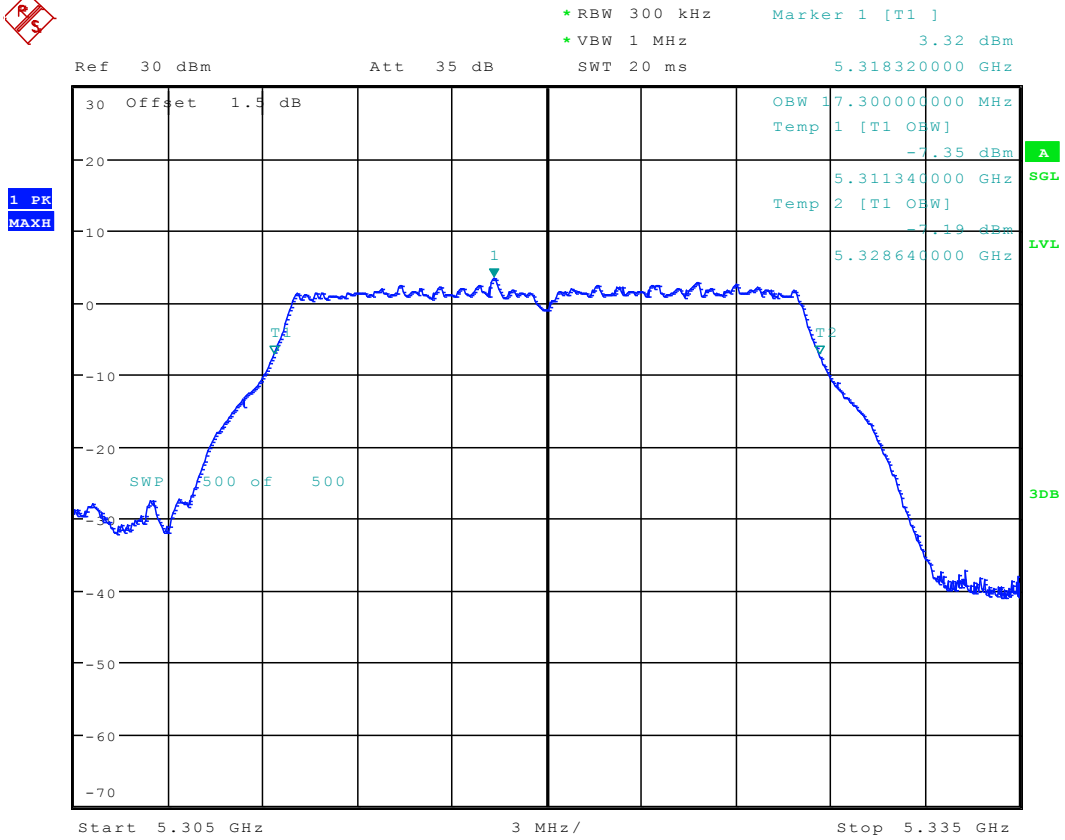
### 6.6 11A20\_52 ANT 2



Date: 7.AUG.2017 11:34:58



### 6.8 11A20\_64 ANT 2



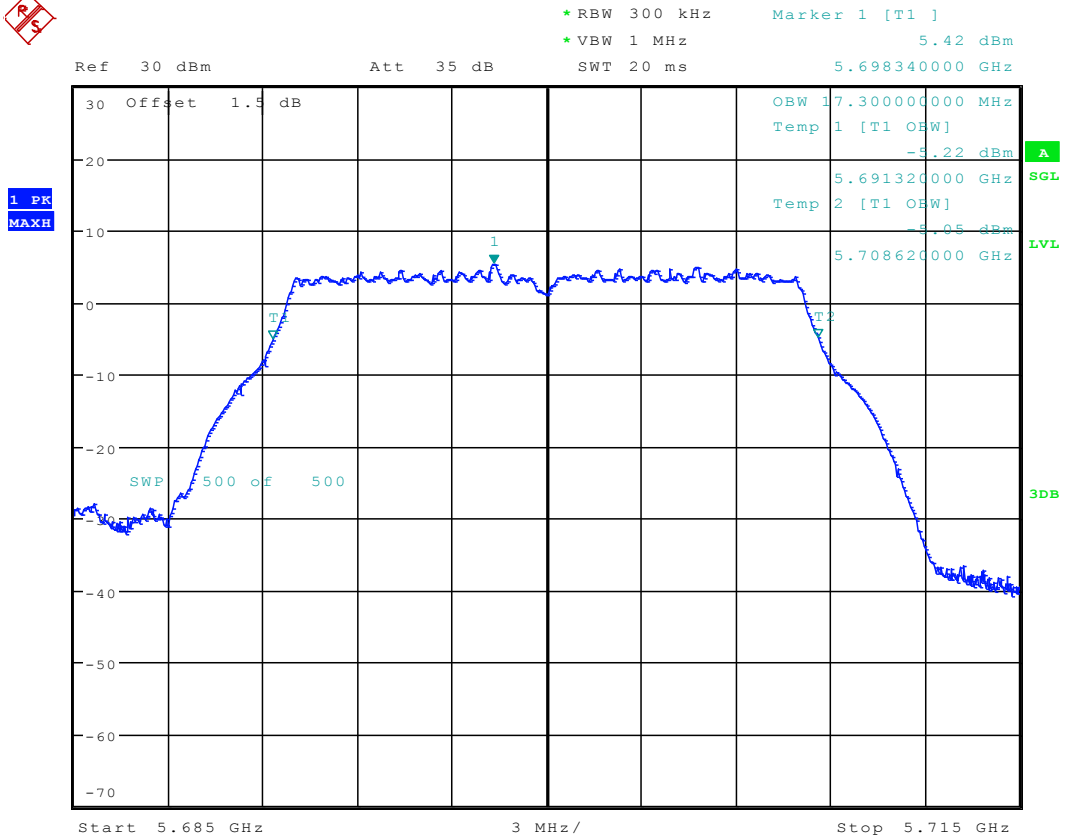
Date: 7.AUG.2017 11:38:09





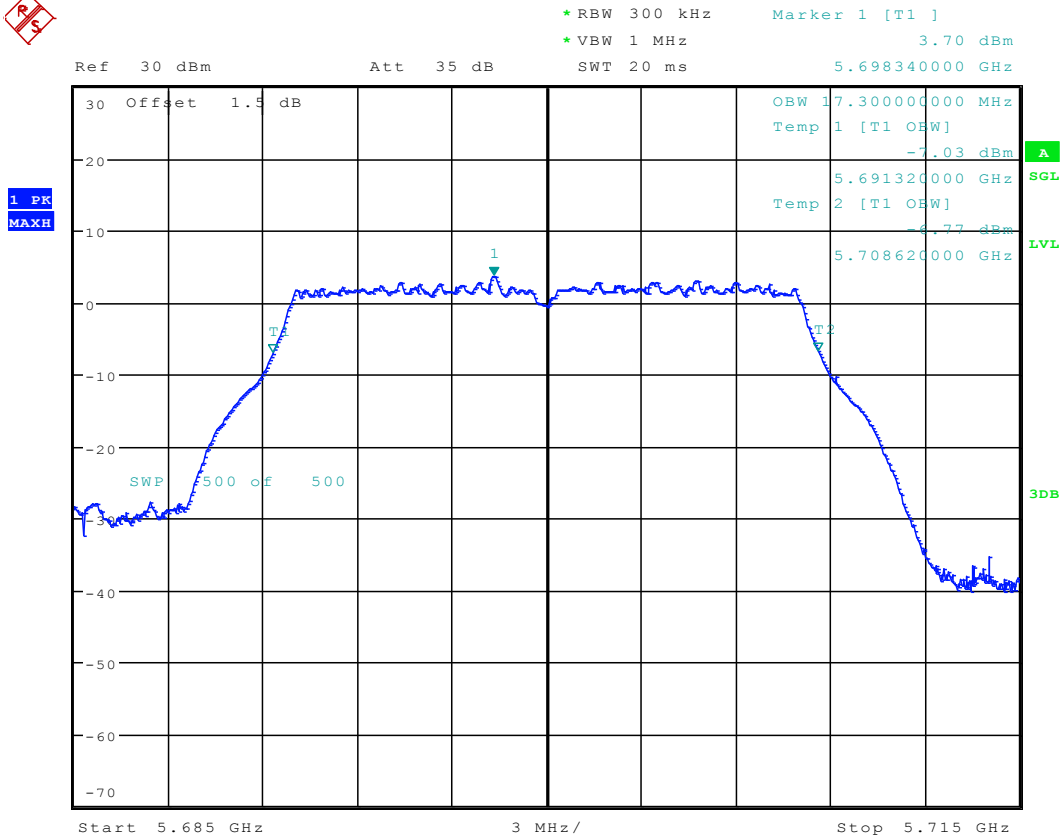


### 6.11 11A20\_140 ANT 1



Date: 5.AUG.2017 16:08:41

### 6.12 11A20\_140 ANT 2

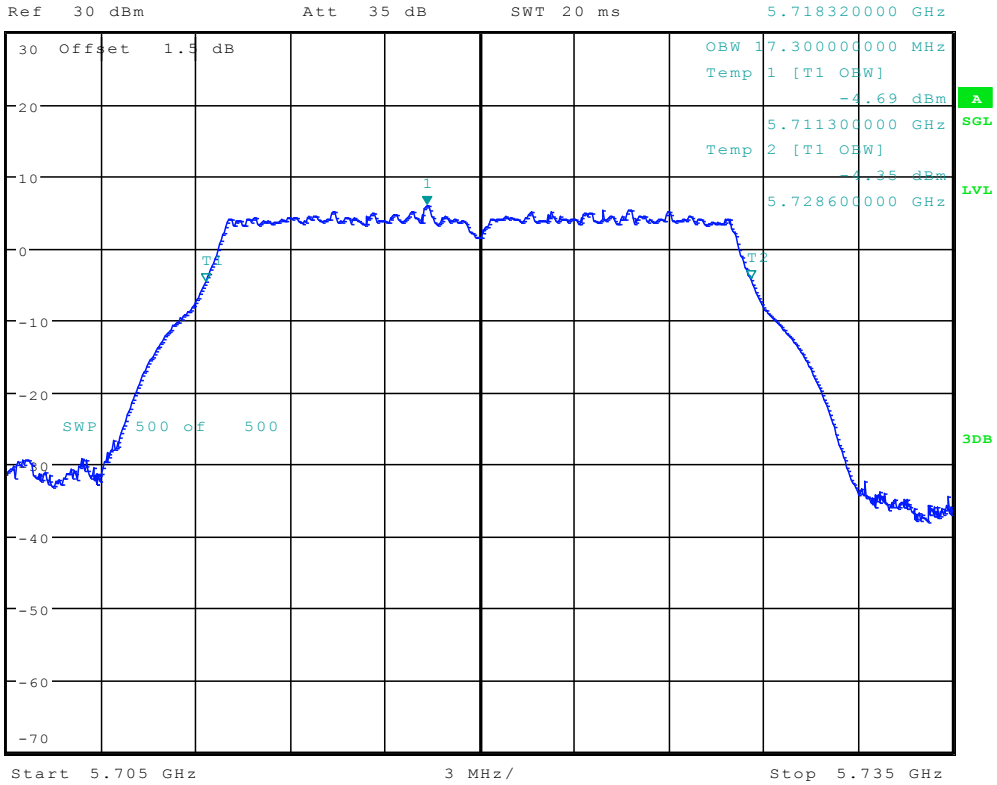


Date: 7.AUG.2017 11:45:00

### 6.13 11A20\_144 ANT 1



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      6.04 dBm  
 SWT 20 ms      5.718320000 GHz



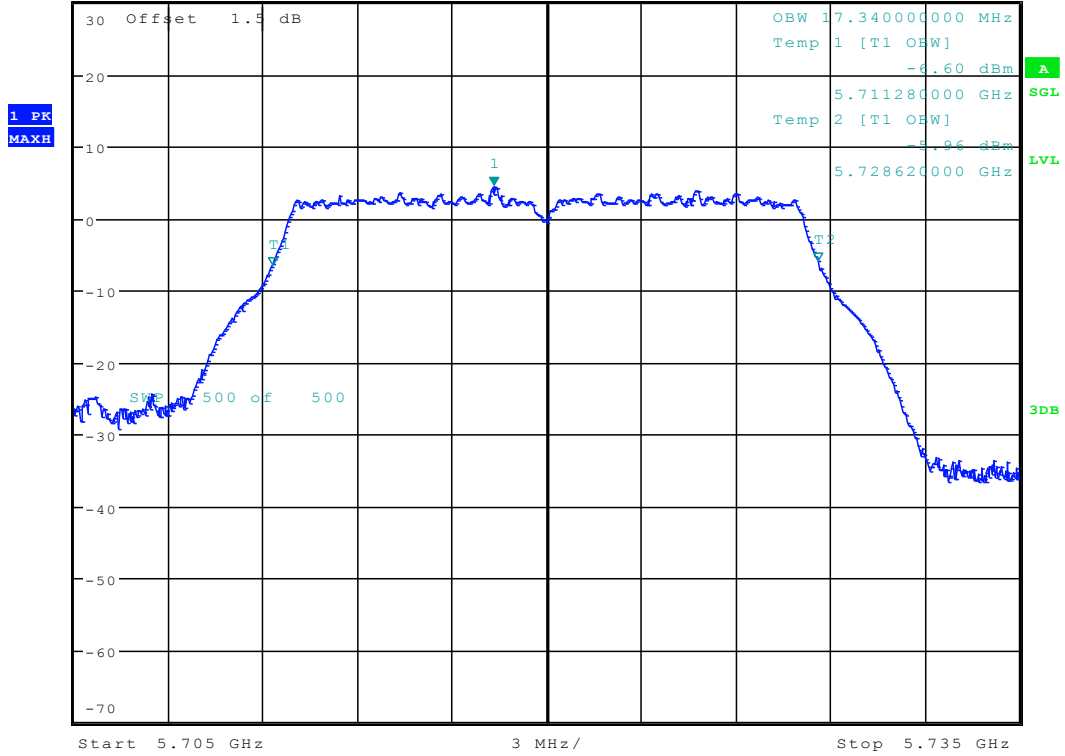
Date: 16.SEP.2017 09:47:03



### 6.14 11A20\_144 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      4.44 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.718340000 GHz

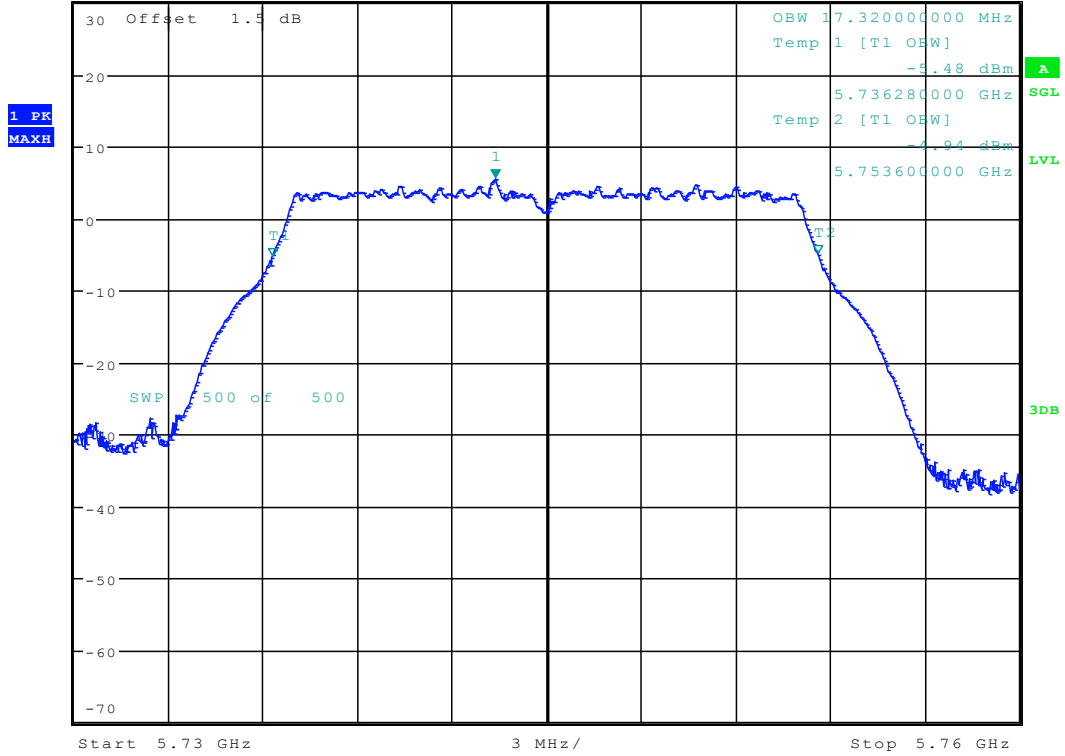


Date: 16.SEP.2017 10:27:50

### 6.15 11A20\_149 ANT 1



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz                      5.43 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms                      5.743360000 GHz

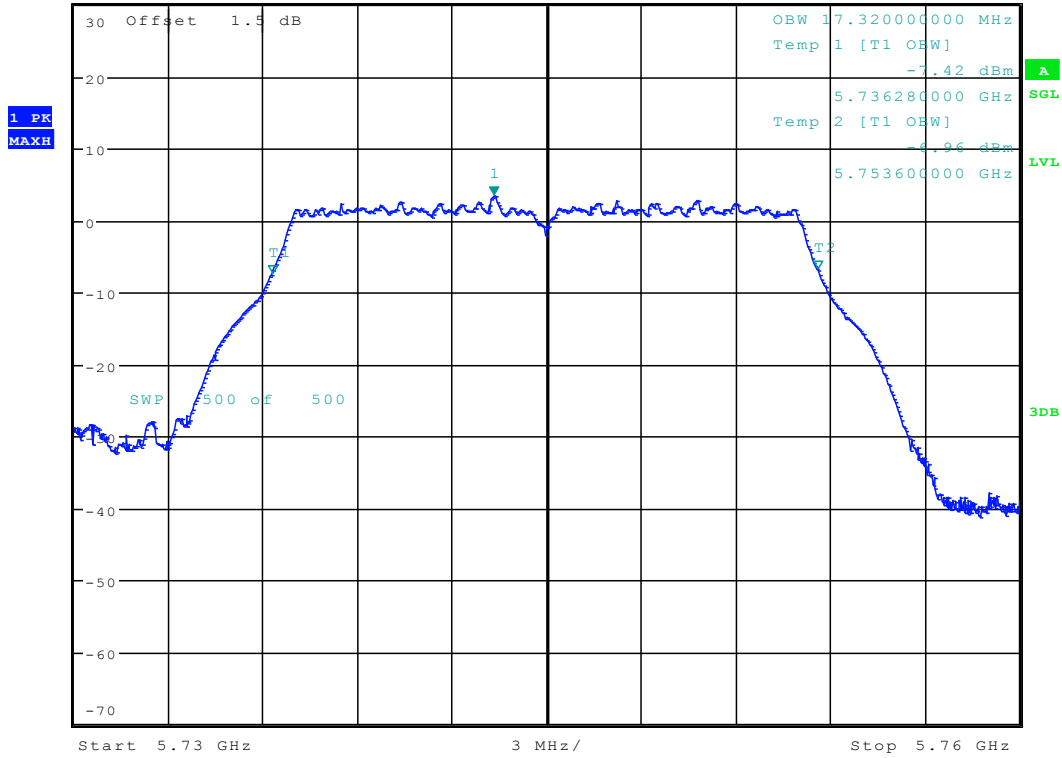


Date: 5.AUG.2017 16:12:06

## 6.16 11A20\_149 ANT 2

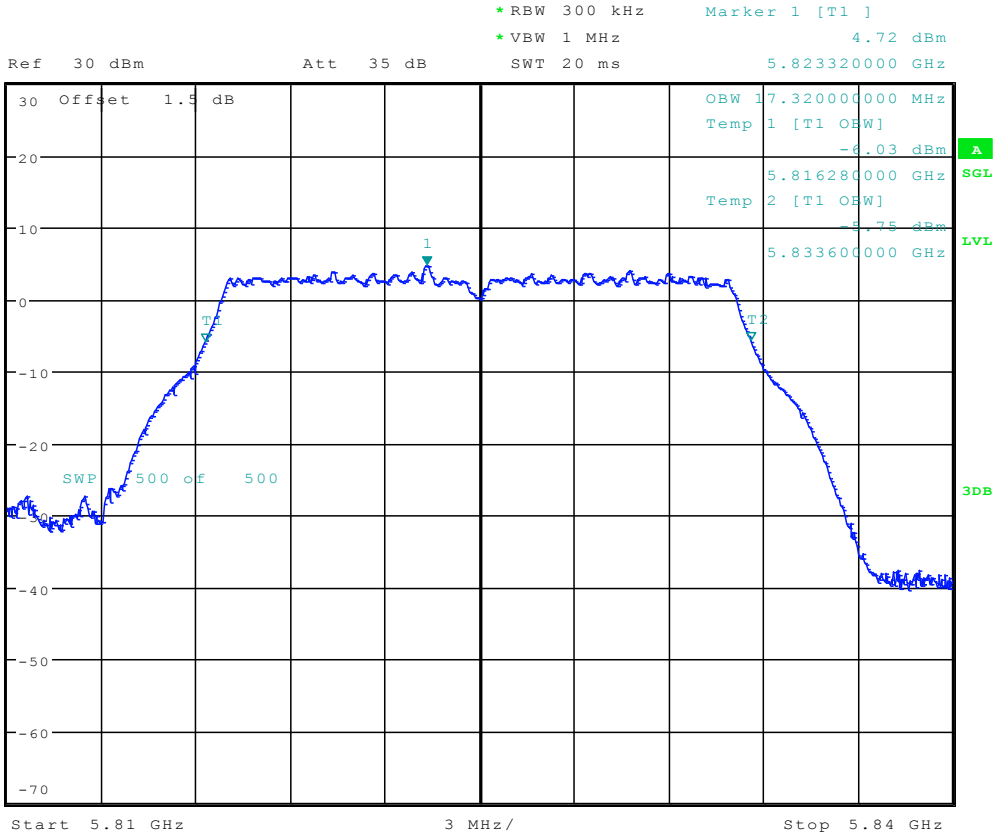


\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      3.45 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.743340000 GHz



Date: 7.AUG.2017 11:49:18

### 6.17 11A20\_165 ANT 1



Date: 5.AUG.2017 16:16:40

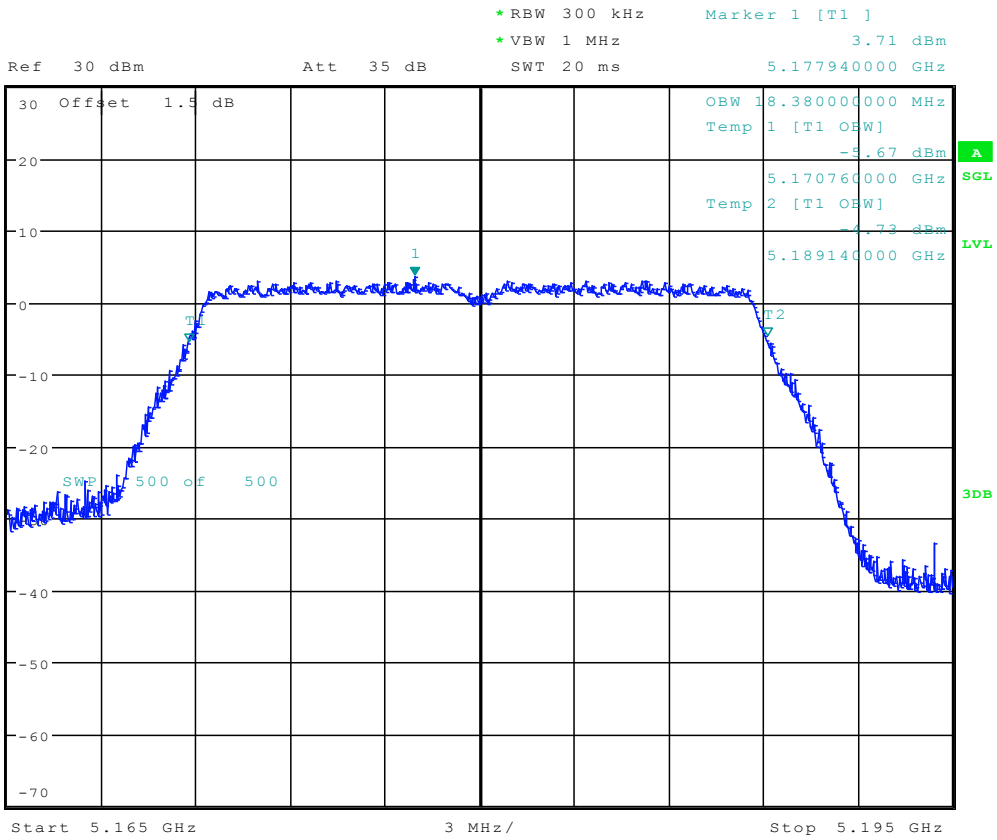








### 6.20 11N20\_36 ANT 2



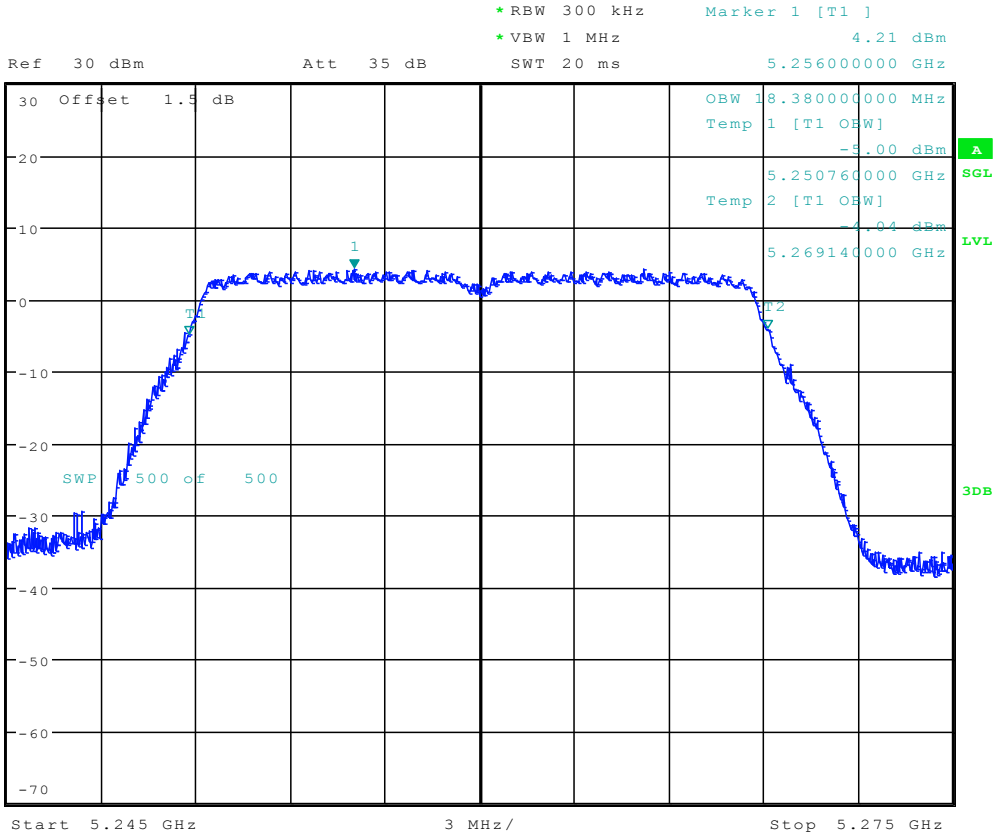
Date: 7.AUG.2017 11:58:17





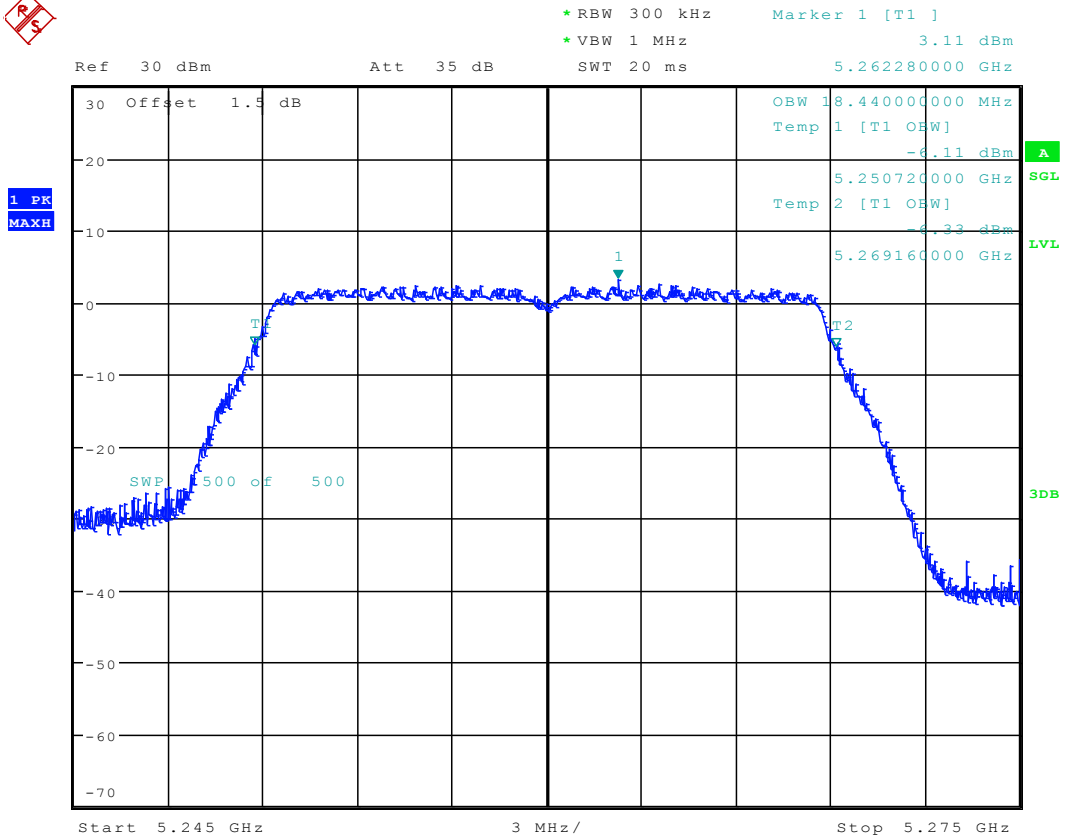


### 6.23 11N20\_52 ANT 1



Date: 5.AUG.2017 16:35:51

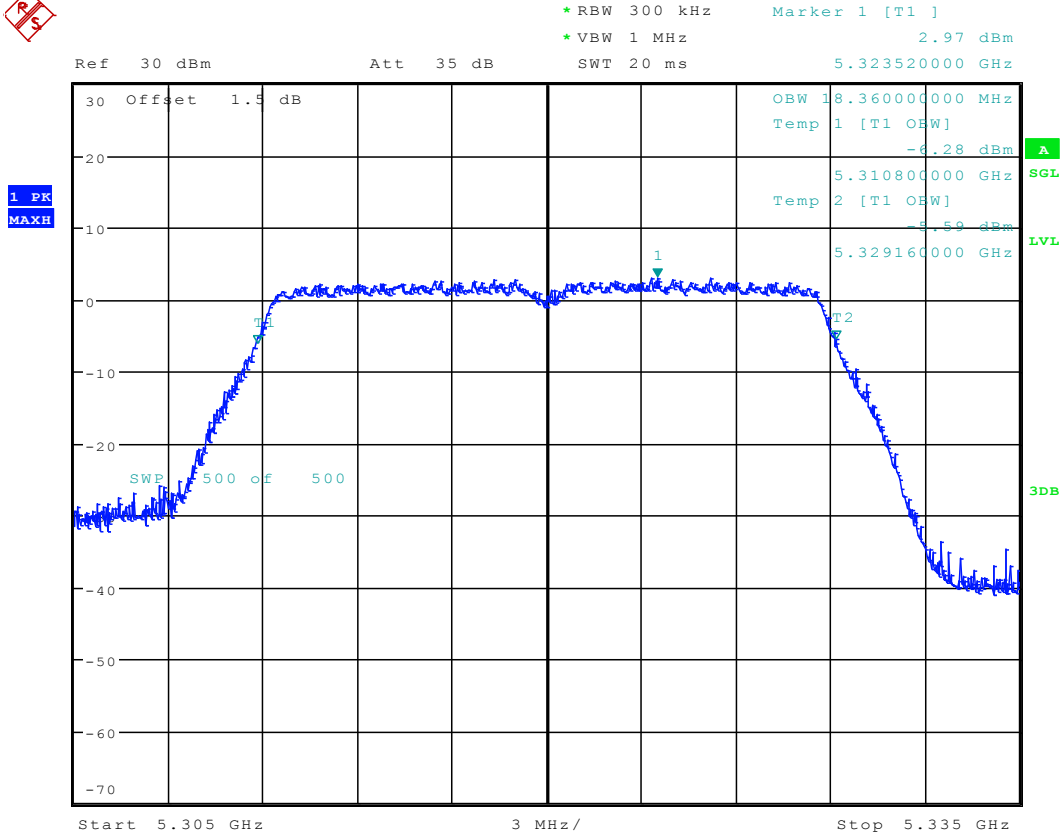
### 6.24 11N20\_52 ANT 2



Date: 7.AUG.2017 12:03:50



### 6.26 11N20\_64 ANT 2

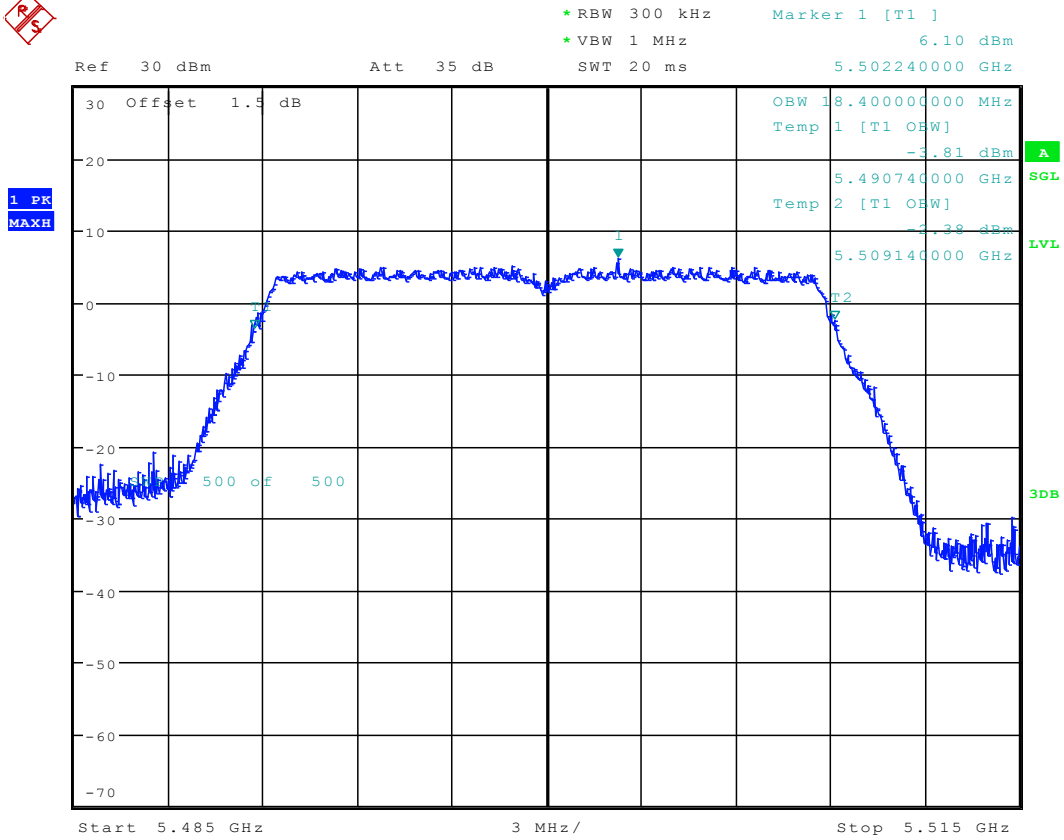


Date: 7.AUG.2017 12:06:24





### 6.27 11N20\_100 ANT 1



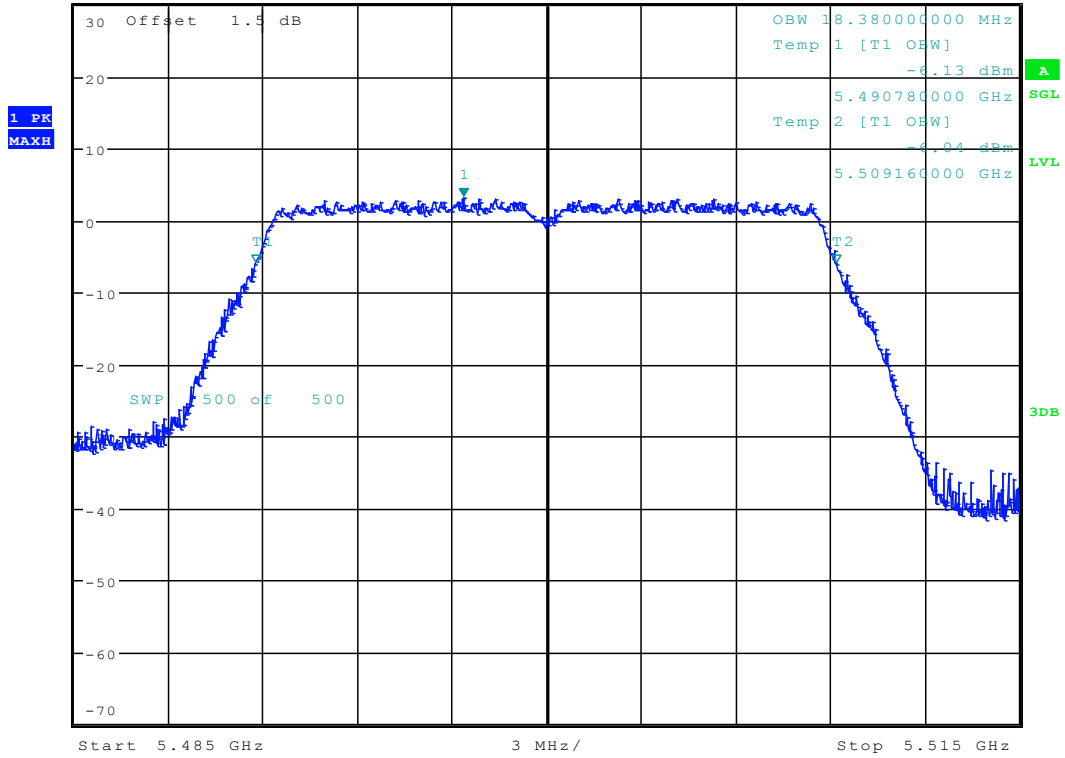
Date: 5.AUG.2017 16:43:44



### 6.28 11N20\_100 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz                                      3.14 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms                                      5.497340000 GHz



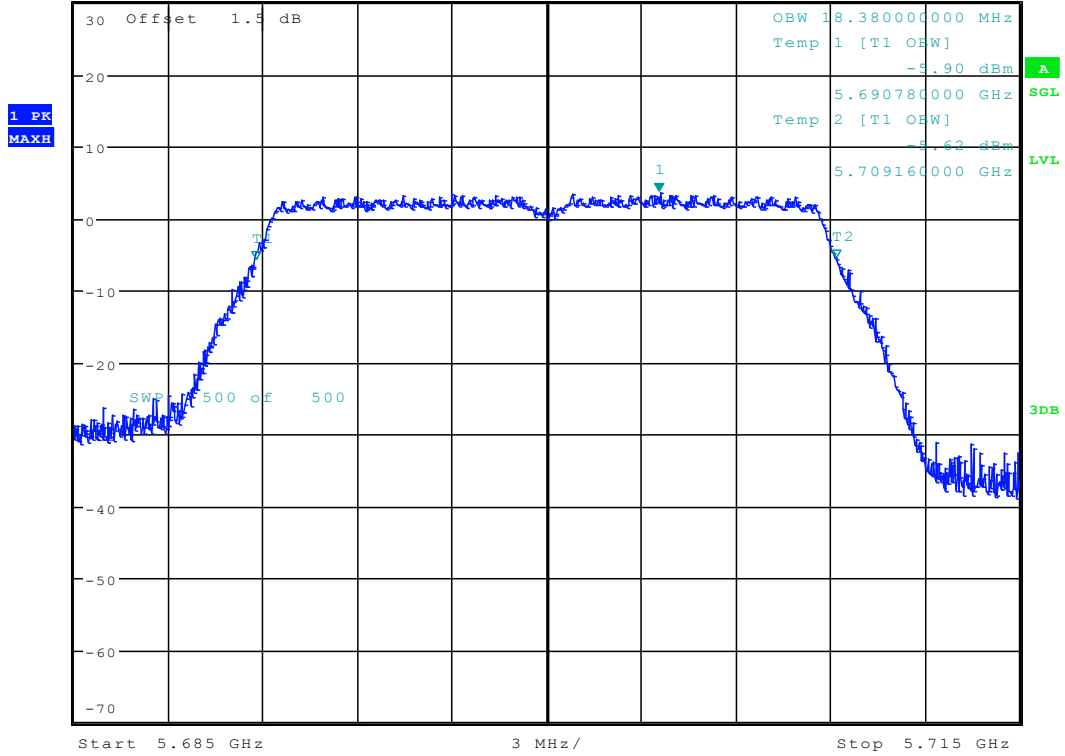
Date: 7.AUG.2017 13:46:57



### 6.30 11N20\_140 ANT 2



\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      3.63 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.703580000 GHz

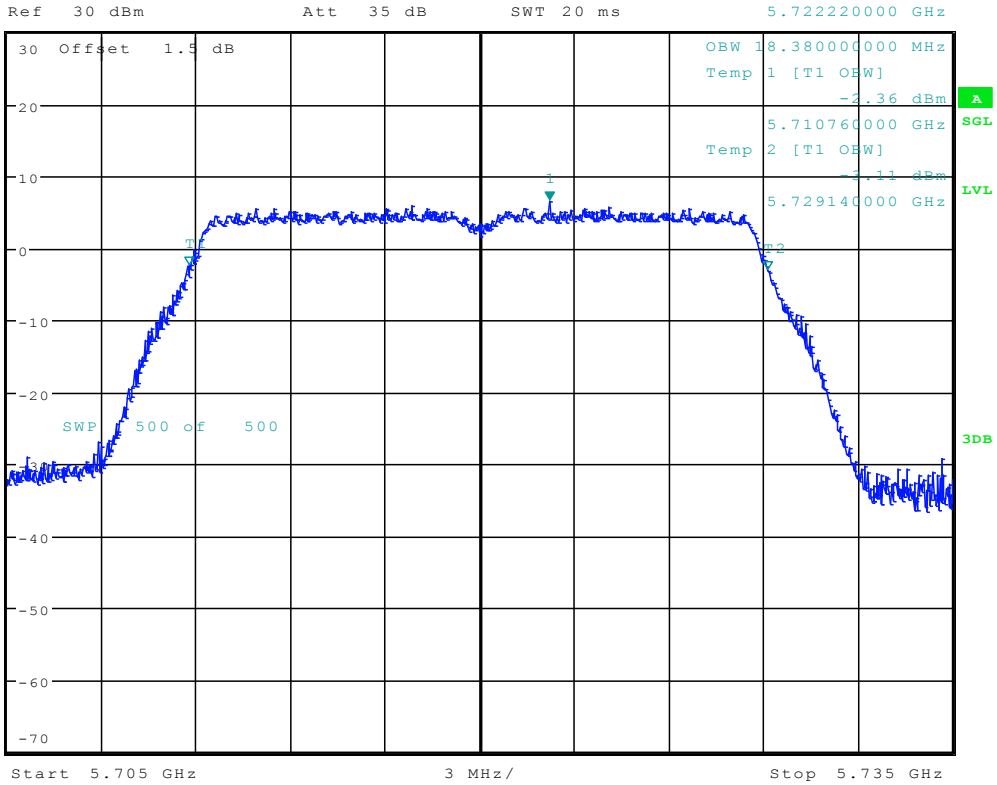


Date: 7.AUG.2017 13:51:24

### 6.31 11N20\_144 ANT 1

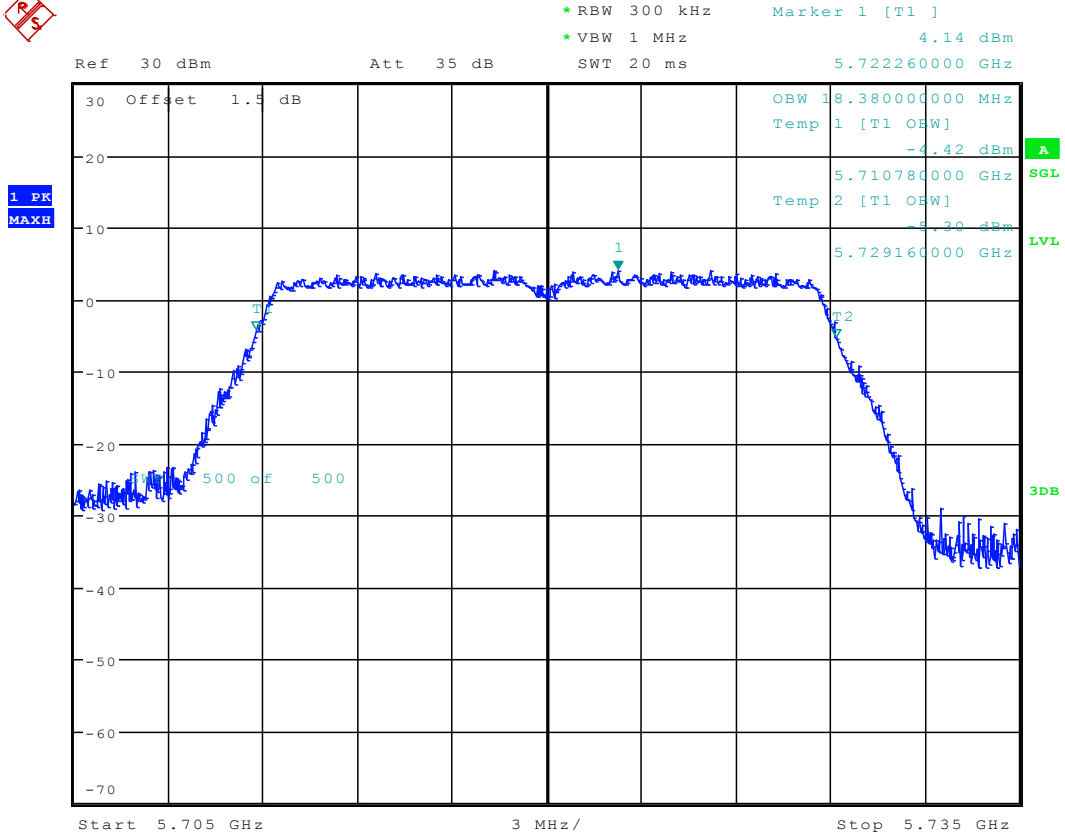


\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      6.64 dBm  
 SWT 20 ms      5.722220000 GHz



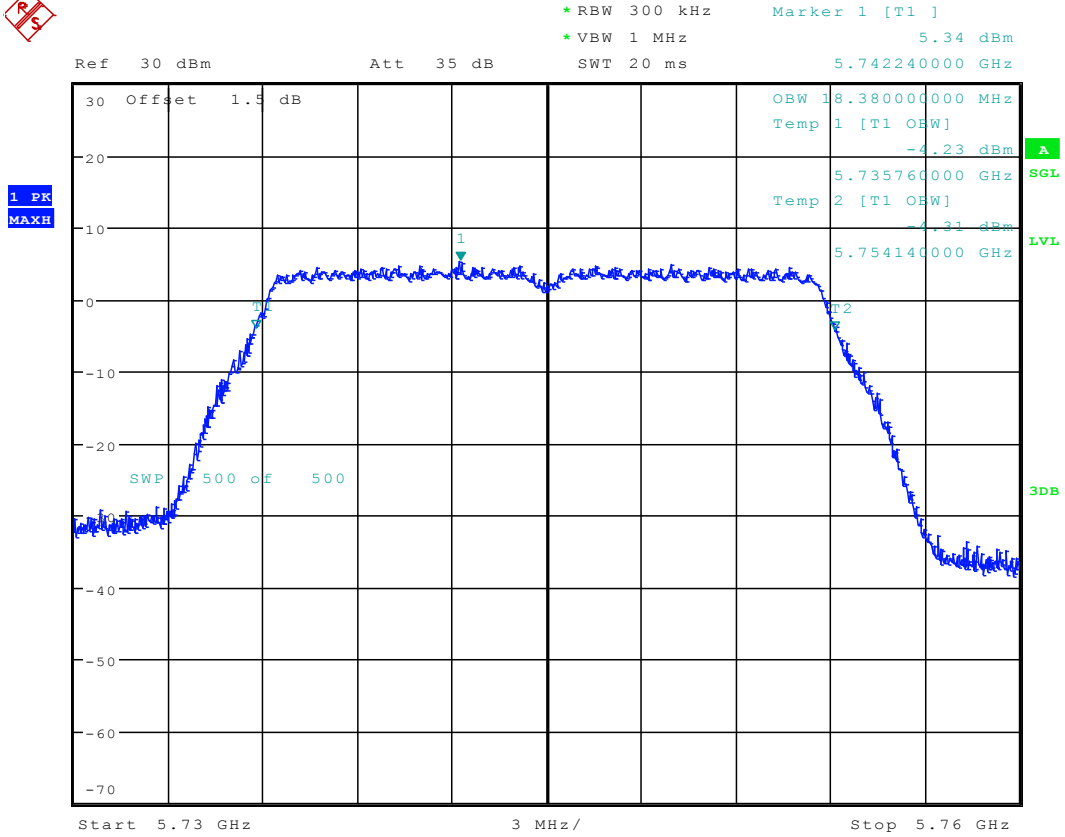
Date: 16.SEP.2017 09:56:16

### 6.32 11N20\_144 ANT 2



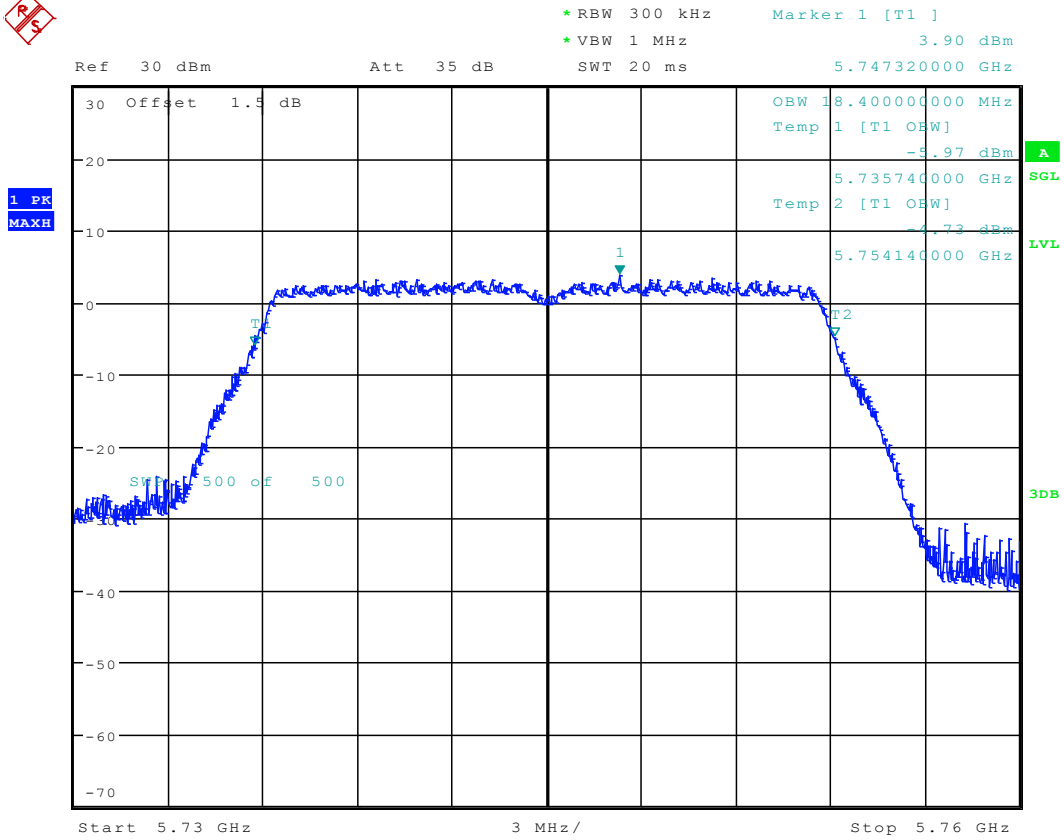
Date: 16.SEP.2017 10:36:21

### 6.33 11N20\_149 ANT 1



Date: 5.AUG.2017 16:51:42

### 6.34 11N20\_149 ANT 2



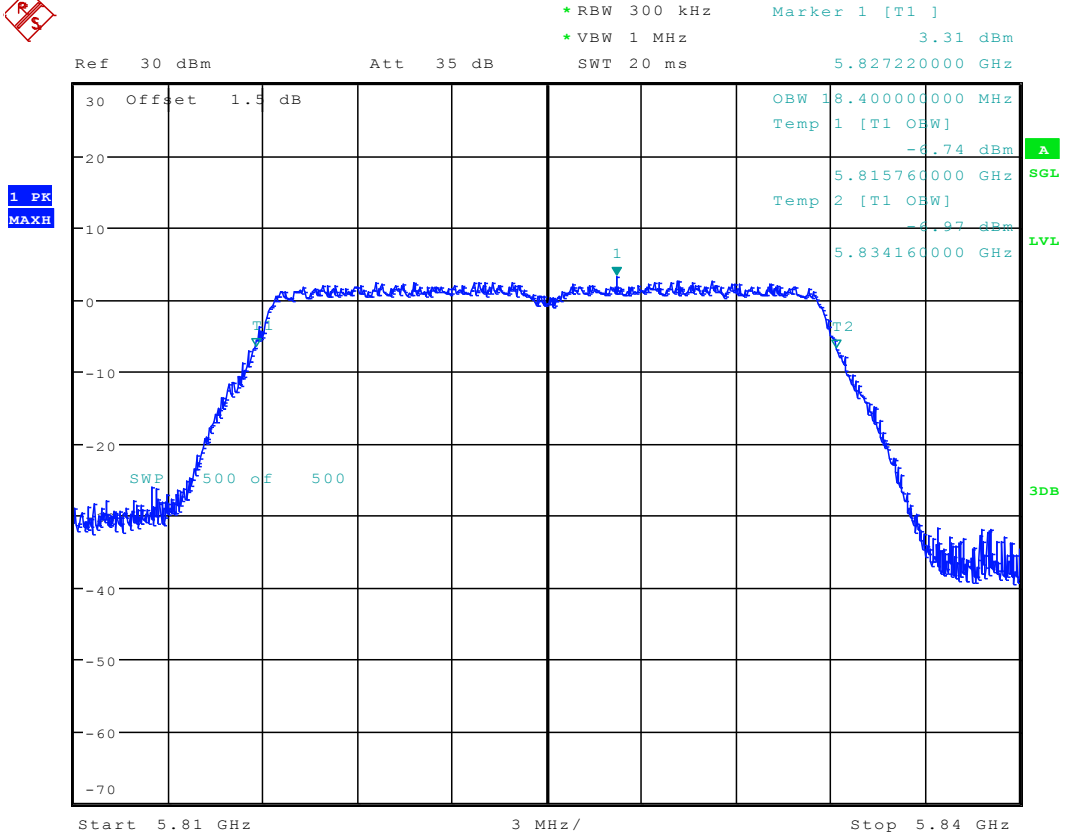
Date: 7.AUG.2017 13:58:00





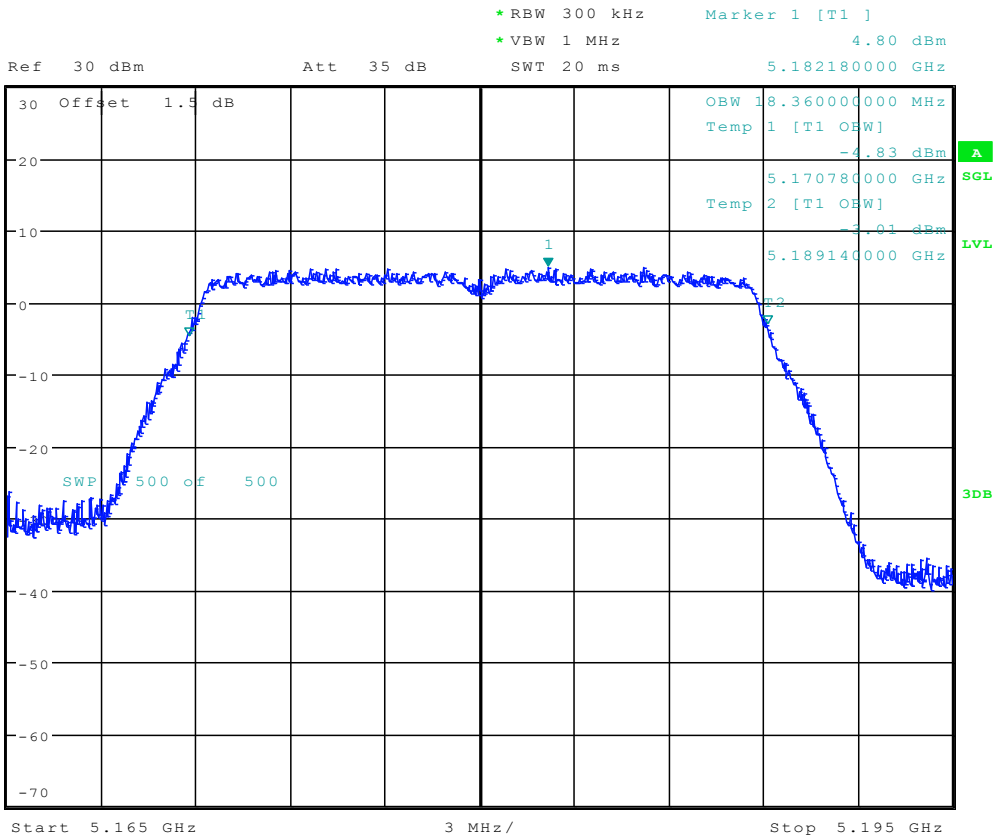


### 6.36 11N20\_165 ANT 2



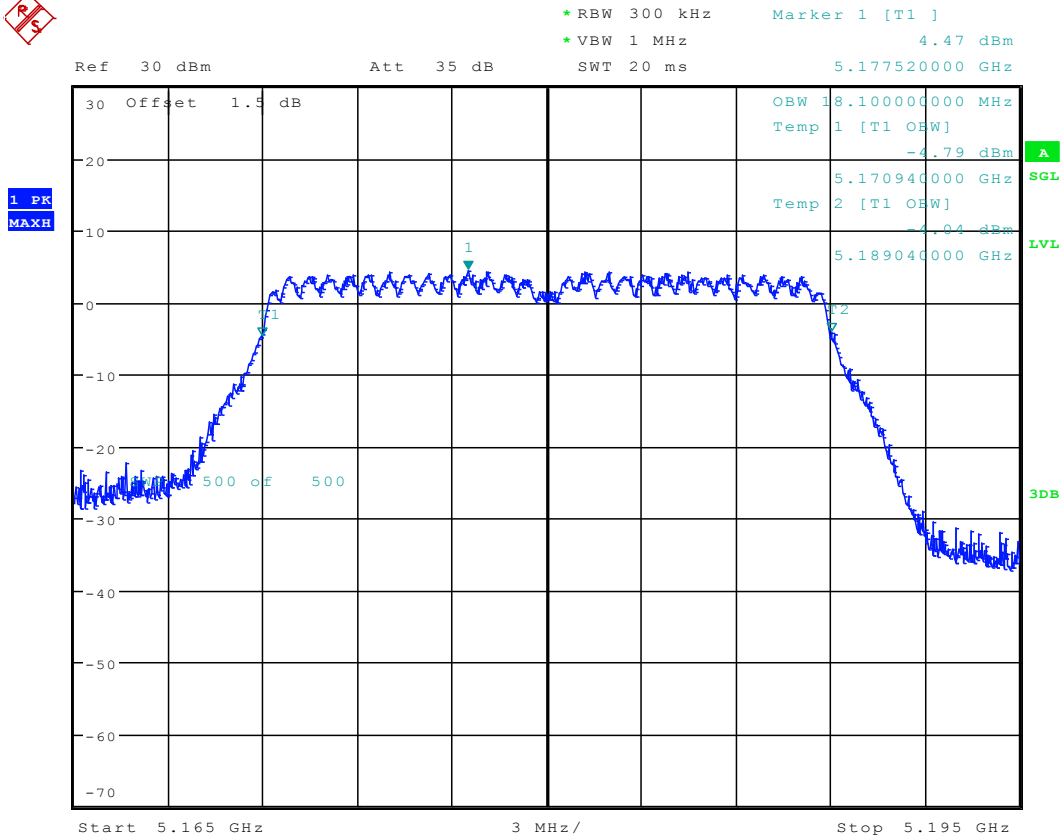
Date: 7.AUG.2017 14:01:34

### 6.37 11N20MIMO\_36 ANT 1



Date: 9.AUG.2017 17:57:17

### 6.38 11N20MIMO\_36 ANT 2



Date: 9.AUG.2017 14:29:51

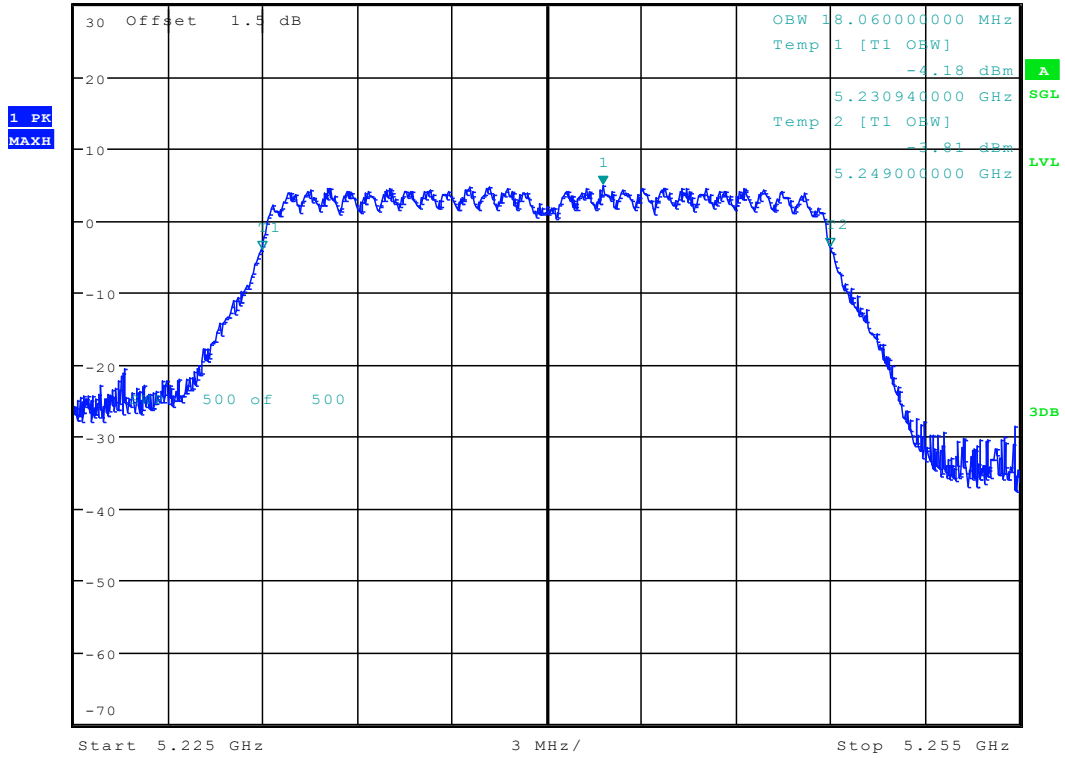




### 6.40 11N20MIMO\_48 ANT 2



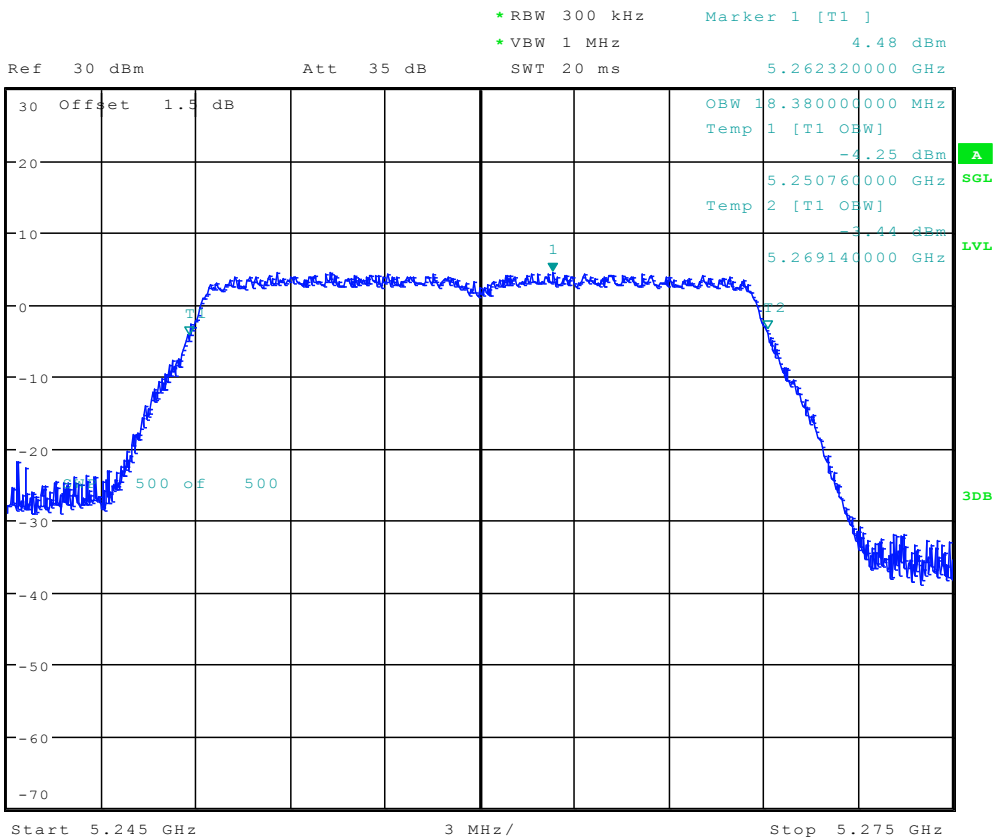
\*RBW 300 kHz      Marker 1 [T1 ]  
 \*VBW 1 MHz      4.86 dBm  
 Ref 30 dBm      Att 35 dB      SWT 20 ms      5.241800000 GHz



Date: 9.AUG.2017 14:32:57



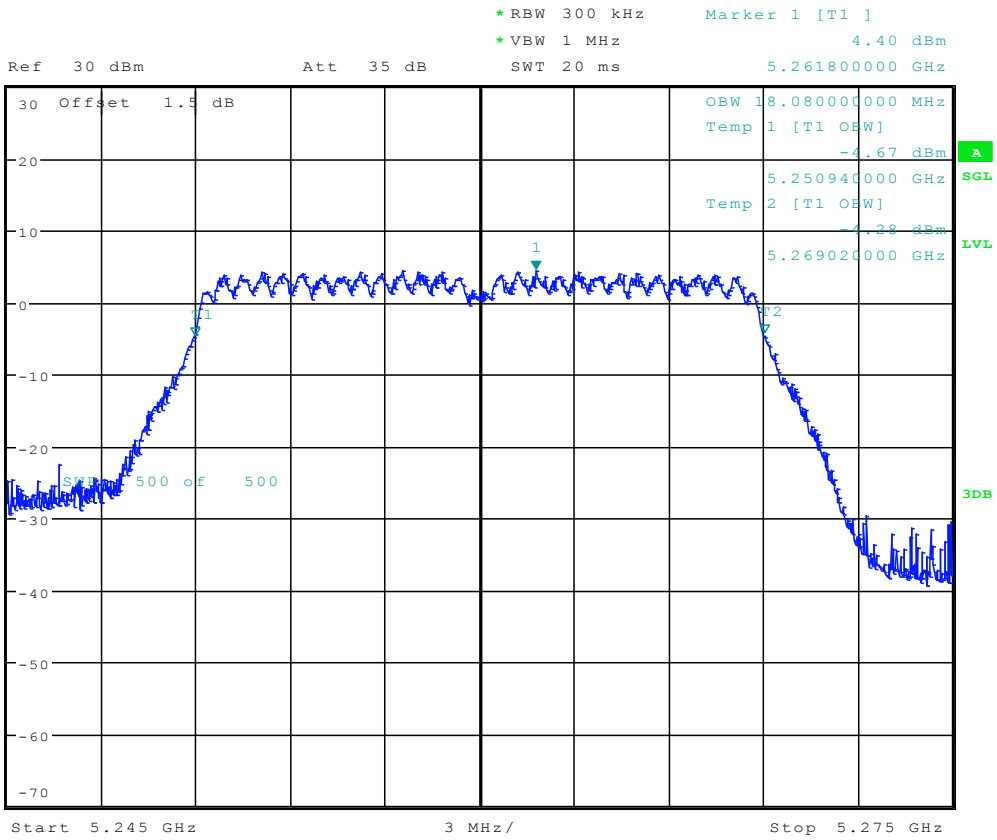
6.41 11N20MIMO\_52 ANT 1



Date: 9.AUG.2017 18:03:09



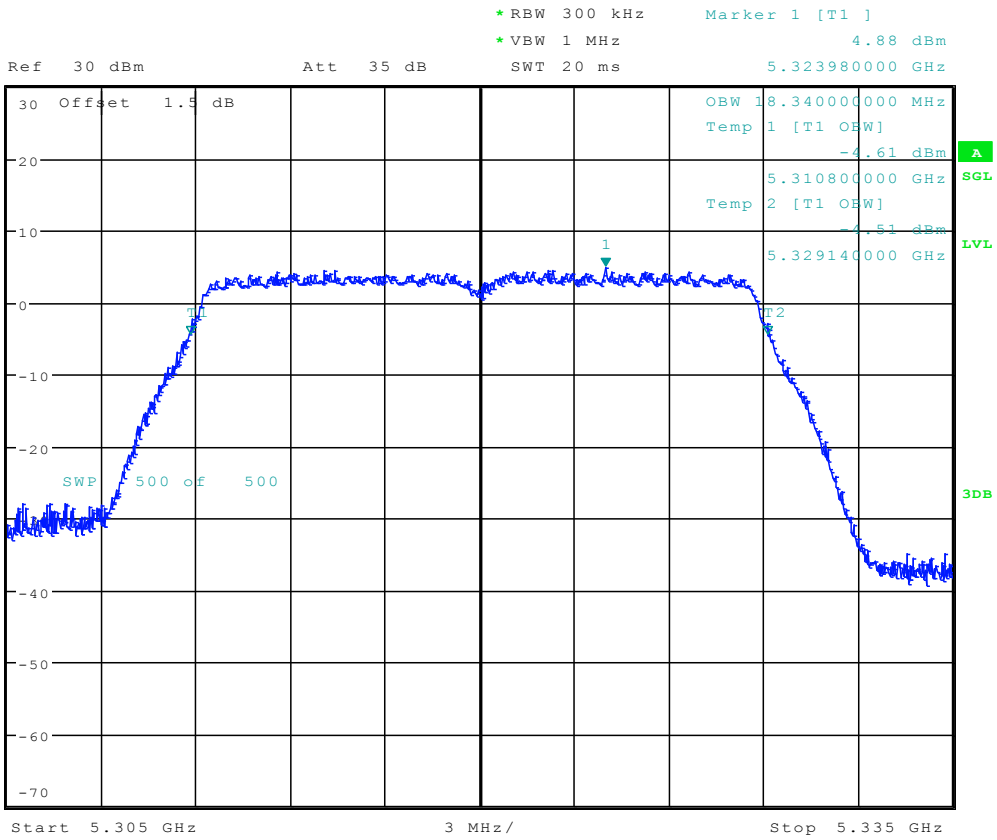
### 6.42 11N20MIMO\_52 ANT 2



Date: 9.AUG.2017 14:35:58



### 6.43 11N20MIMO\_64 ANT 1



Date: 9.AUG.2017 18:06:01