4.5.2.42   11AC80_42 ANT 1
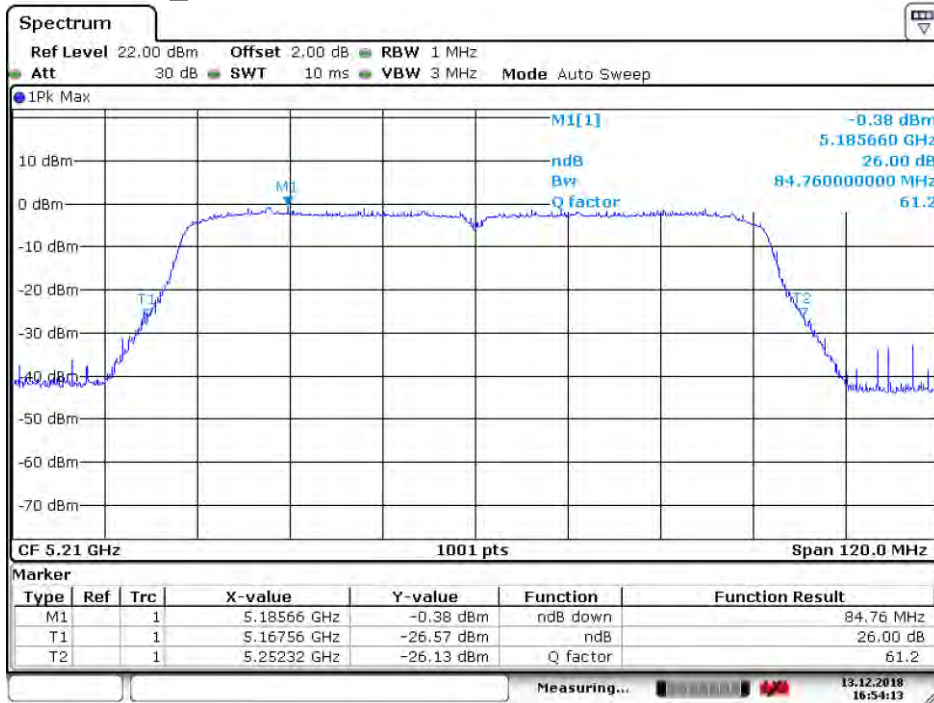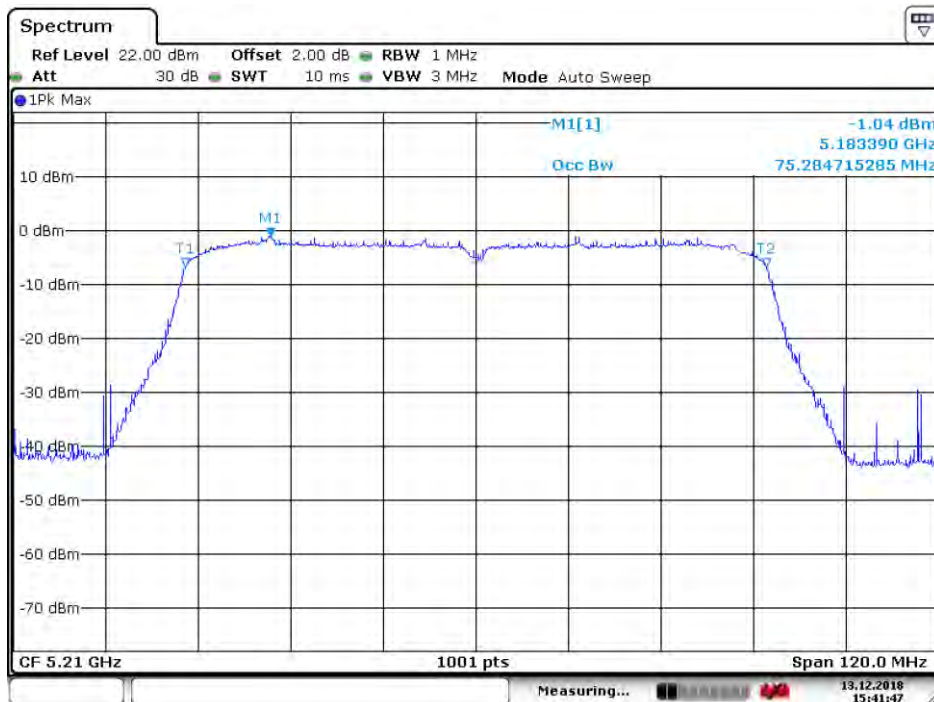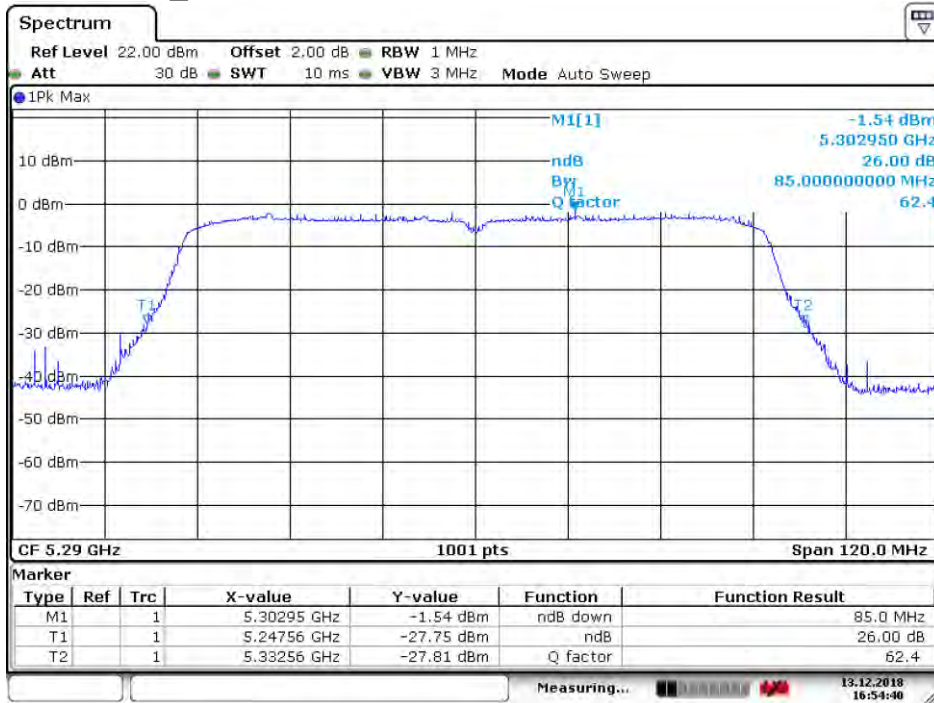

Date: 13.DEC.2018 16:54:14
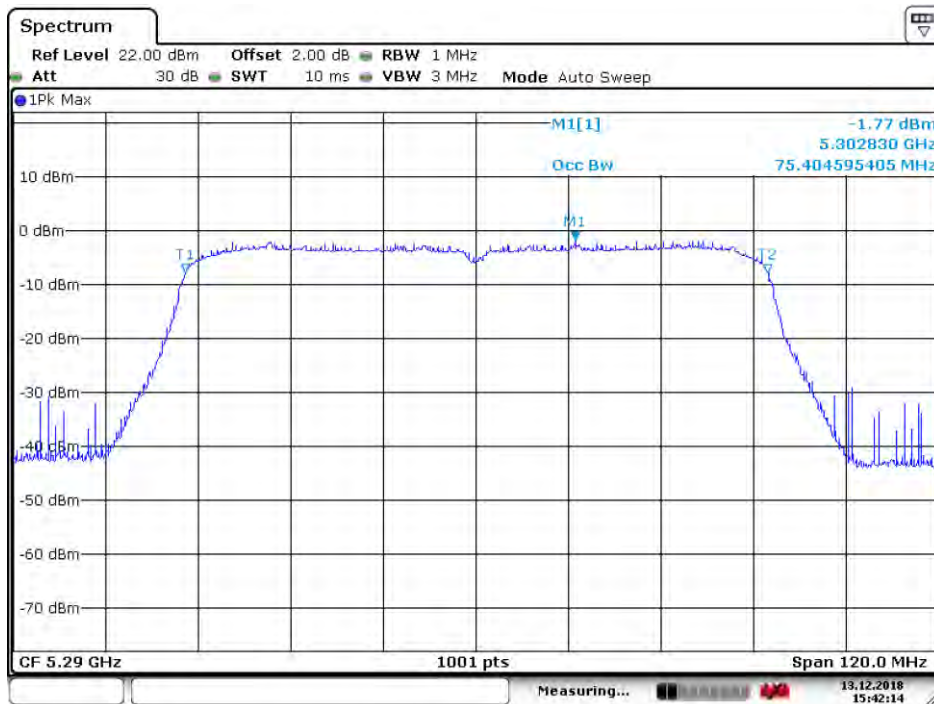

Date: 13.DEC.2018 15:41:47
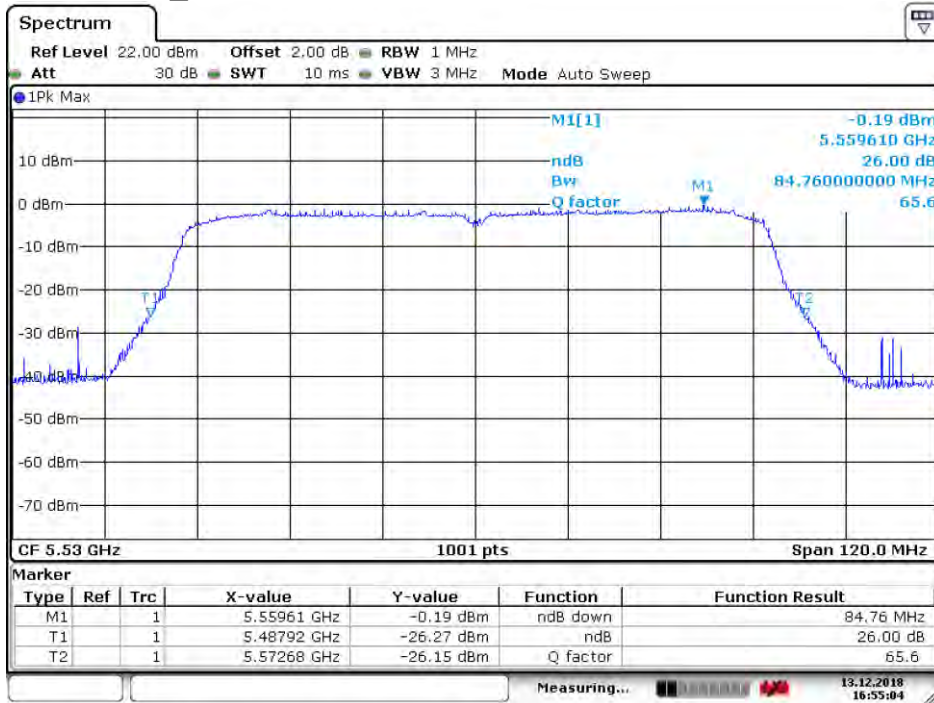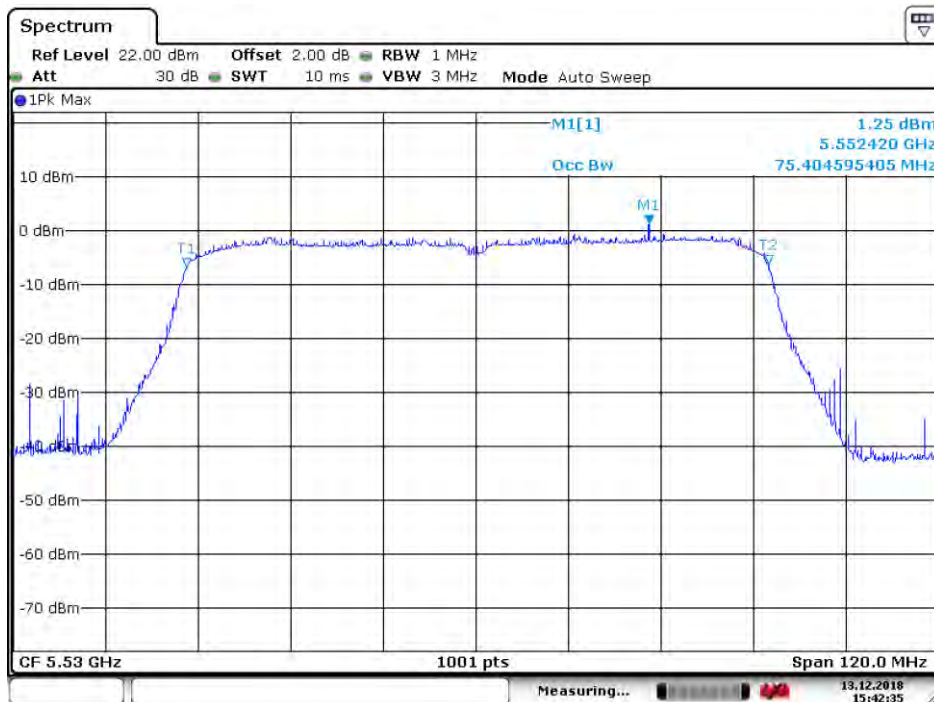
4.5.2.43   11AC80_58 ANT 1

Date: 13.DEC.2018 16:54:40

Date: 13.DEC.2018 15:42:14

4.5.2.44 11AC80_106 ANT 1

Date: 13.DEC.2018 16:55:04

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.55961 GHz	-0.19 dBm	ndB down	84.76 MHz
T1		1	5.48792 GHz	-26.27 dBm	ndB	26.00 dB
T2		1	5.57268 GHz	-26.15 dBm	Q factor	65.6

Date: 13.DEC.2018 15:42:36

4.5.2.45   11AC80_122 ANT 1

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.63553 GHz	-0.72 dBm	ndB down	85.47 MHz
T1		1	5.56732 GHz	-27.24 dBm	ndB	26.00 dB
T2		1	5.6528 GHz	-26.89 dBm	Q factor	65.9
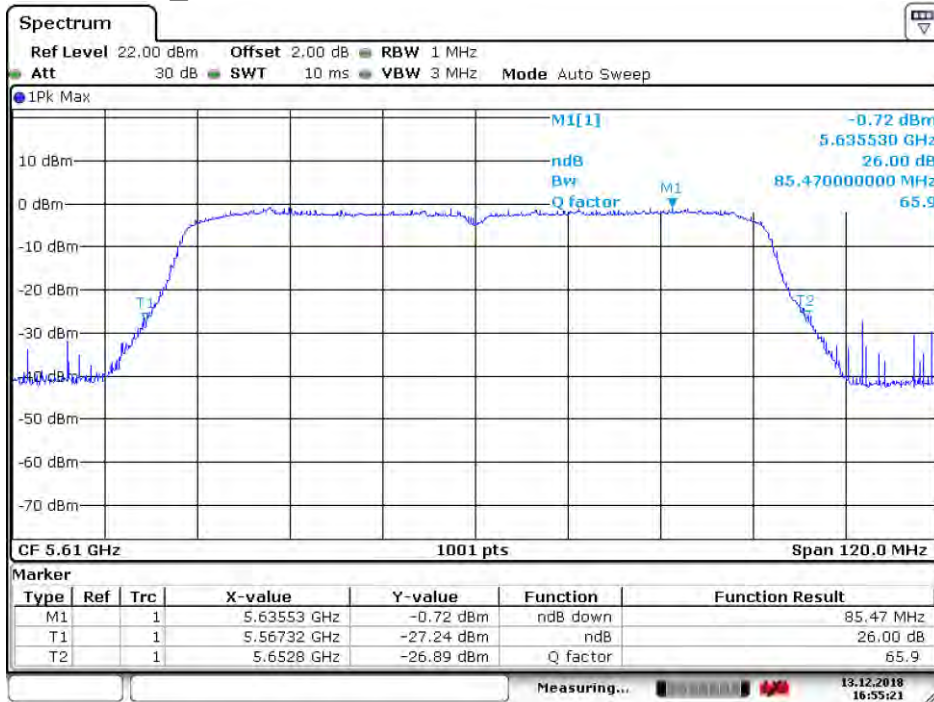
Date: 13.DEC.2018 16:55:22
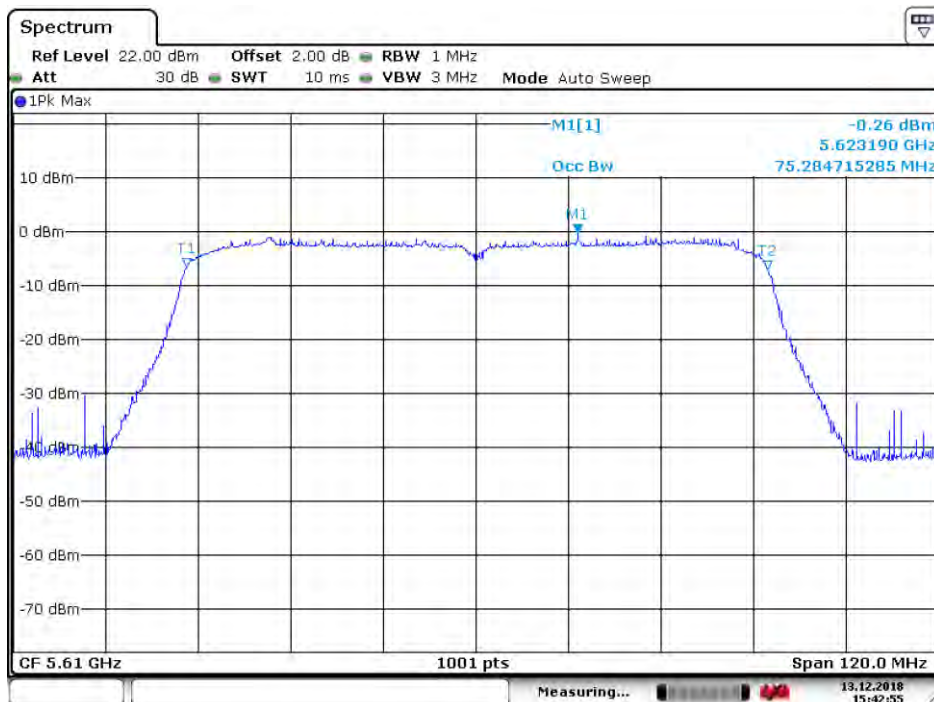
Date: 13.DEC.2018 15:42:56

4.5.2.46 11AC160_50 ANT 1

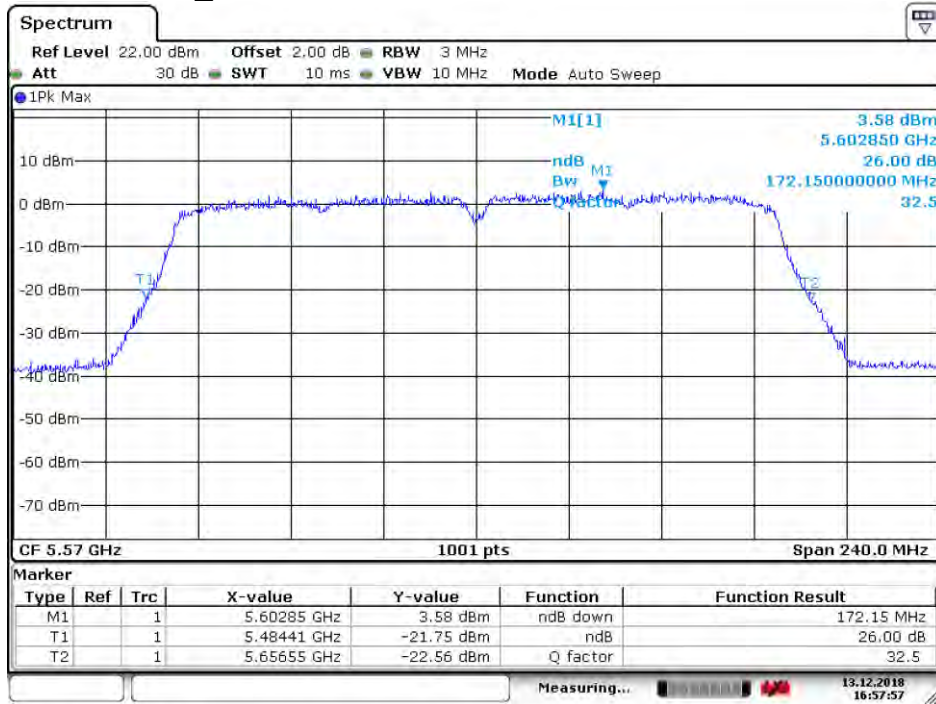| Marker							
Type	Ref	Trc	X-value	Y-value	Function	Function Result	
M1		1	5.30898 GHz	2.54 dBm	ndB down	174.07 MHz	
T1		1	5.16321 GHz	-22.41 dBm	ndB	26.00 dB	
T2		1	5.33727 GHz	-23.73 dBm	Q factor	30.5	
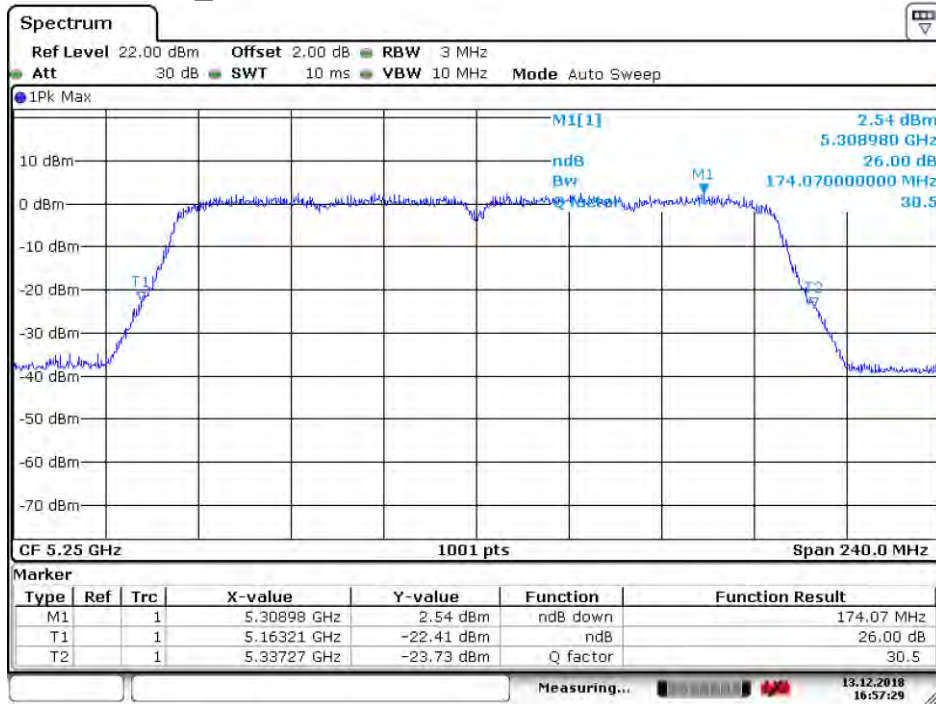
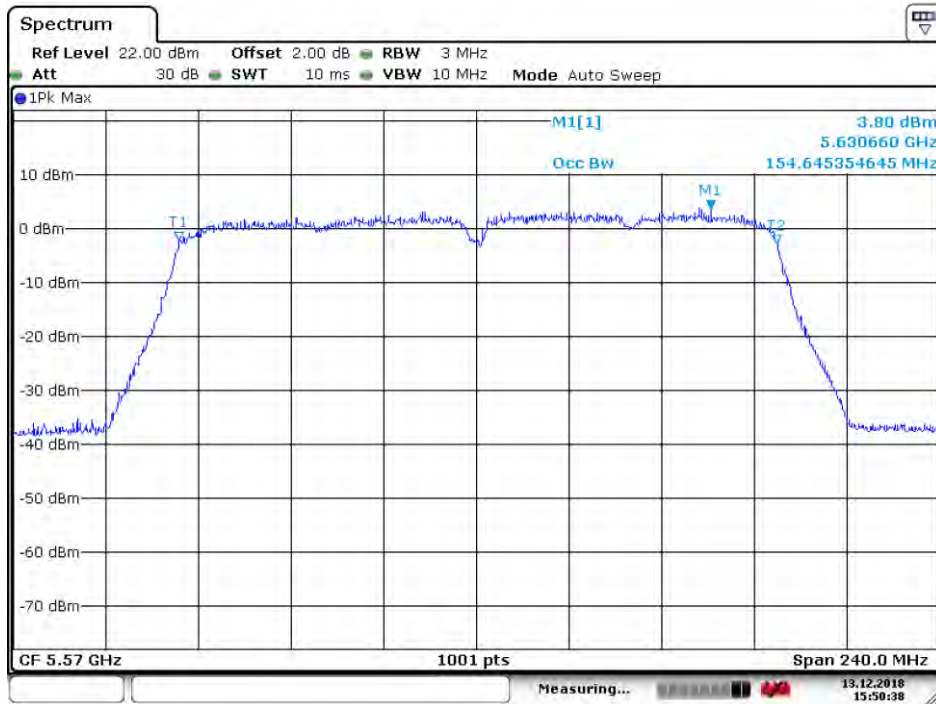Date: 13.DEC.2018 16:57:29
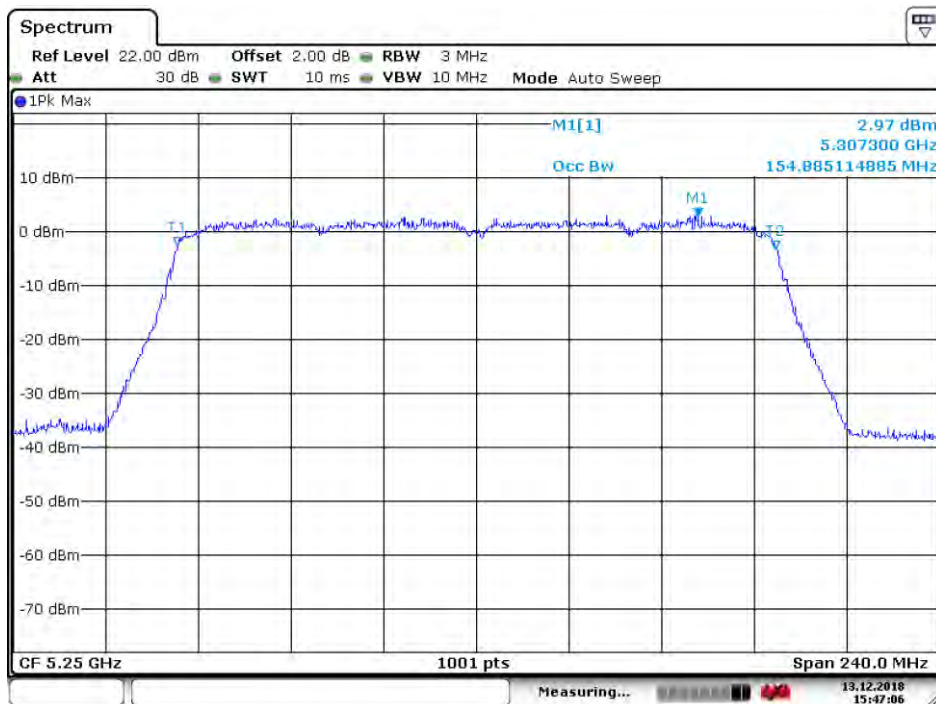
Date: 13.DEC.2018 15:47:06

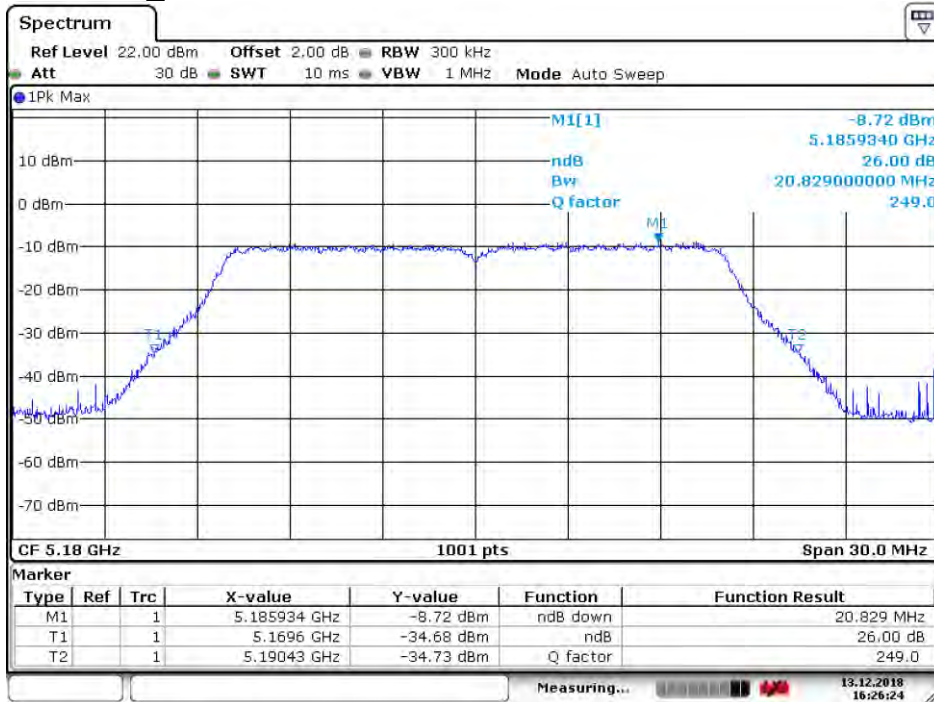### 4.5.2.47   11AC160_114 ANT 1

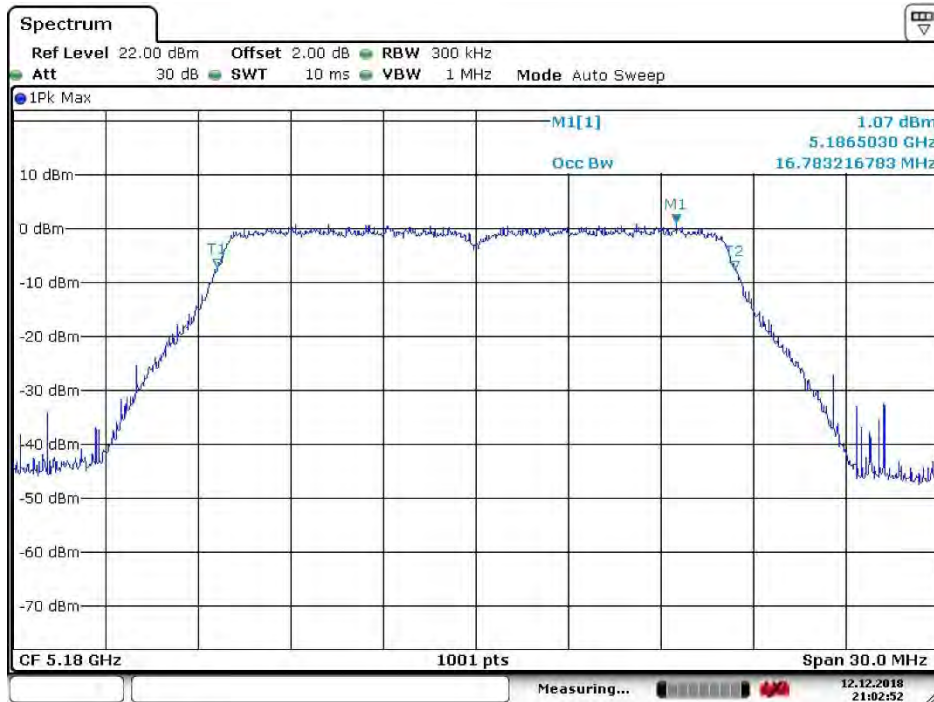Date: 13.DEC.2018 16:57:58

Date: 13.DEC.2018 15:50:38
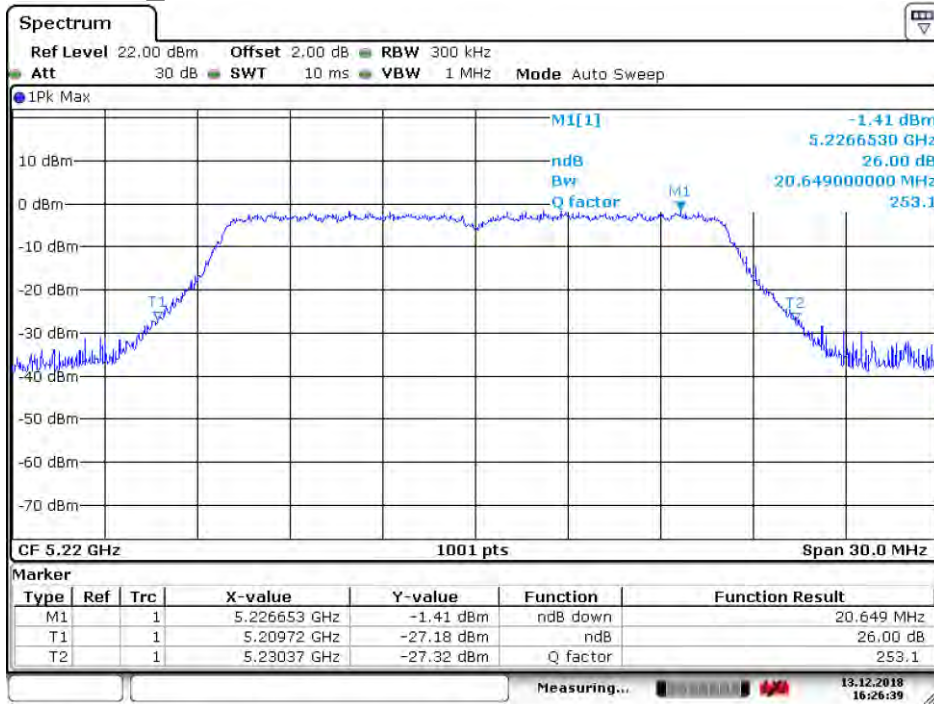
4.5.2.48   11A20_36 ANT 2
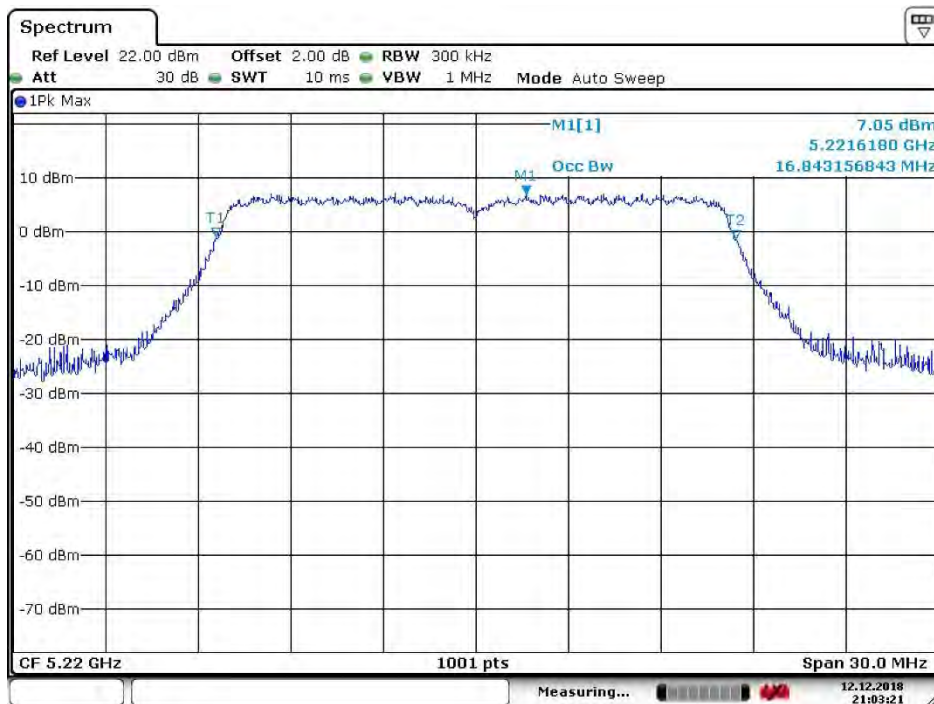

Date: 13.DEC.2018 16:26:25

Date: 12.DEC.2018 21:02:53
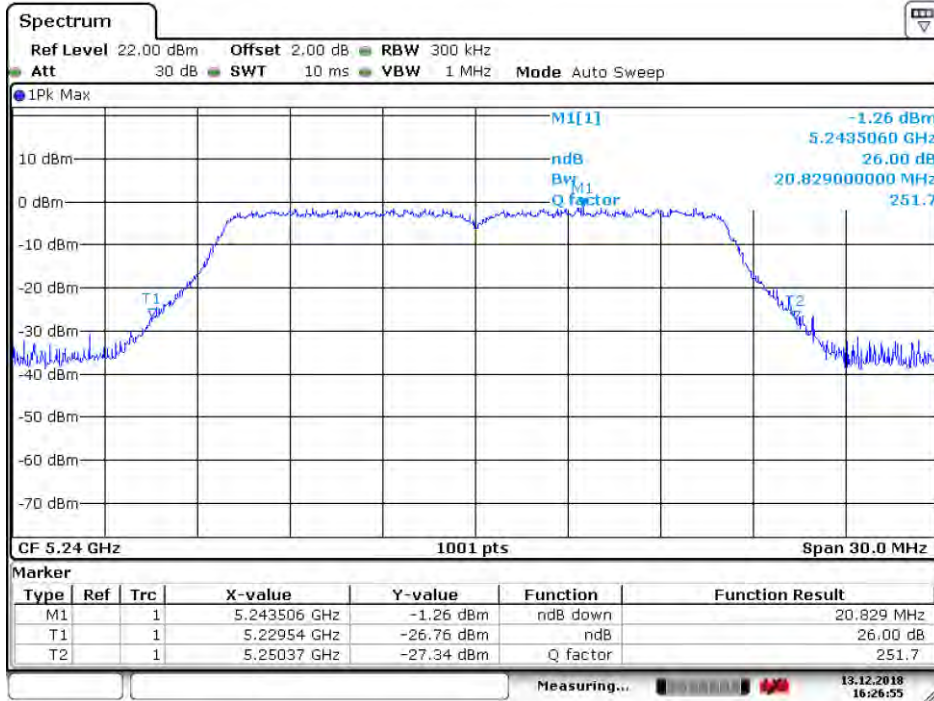
4.5.2.49 11A20_44 ANT 2
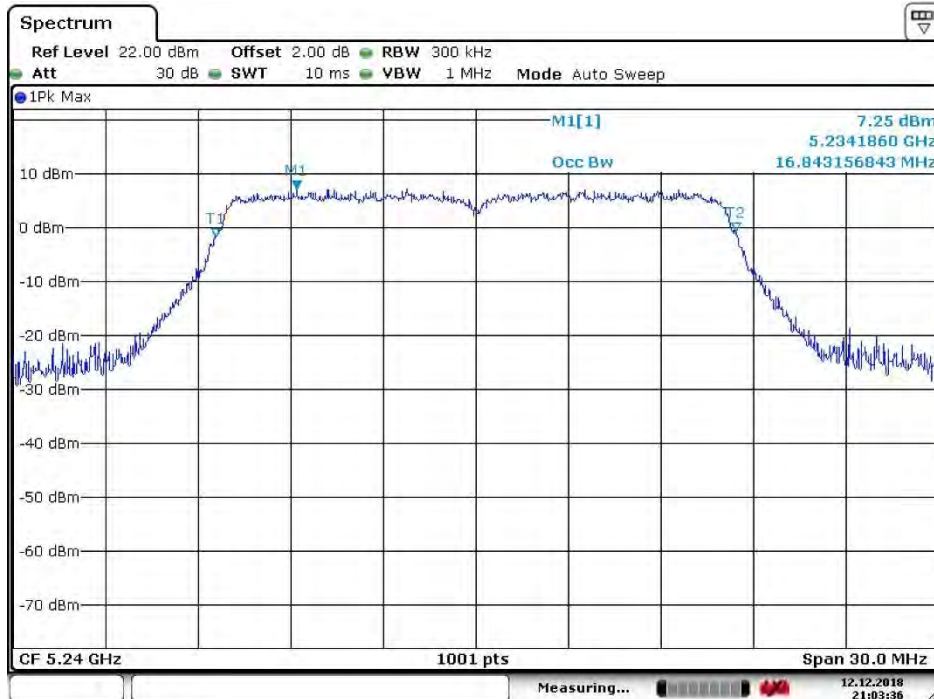

Date: 13.DEC.2018 16:26:39

Date: 12.DEC.2018 21:03:21

4.5.2.50   11A20_48 ANT 2
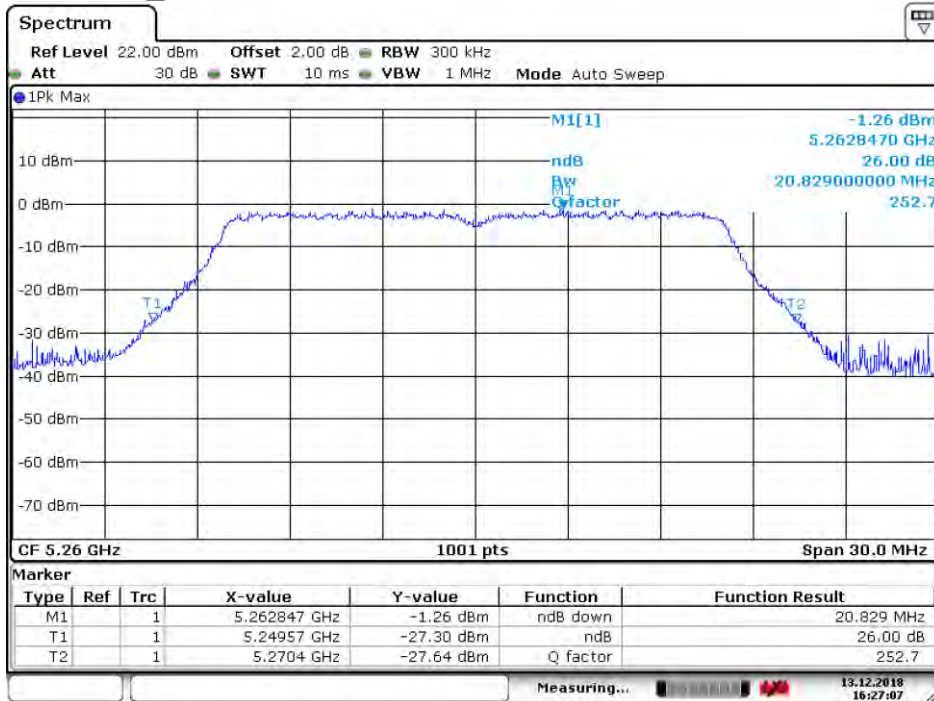

Date: 13.DEC.2018 16:26:55

Date: 12.DEC.2018 21:03:37

4.5.2.51 11A20_52 ANT 2

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.262847 GHz	-1.26 dBm	ndB down	20.829 MHz
T1		1	5.24957 GHz	-27.30 dBm	ndB	26.00 dB
T2		1	5.2704 GHz	-27.64 dBm	Q factor	252.7

Date: 13.DEC.2018 16:27:07

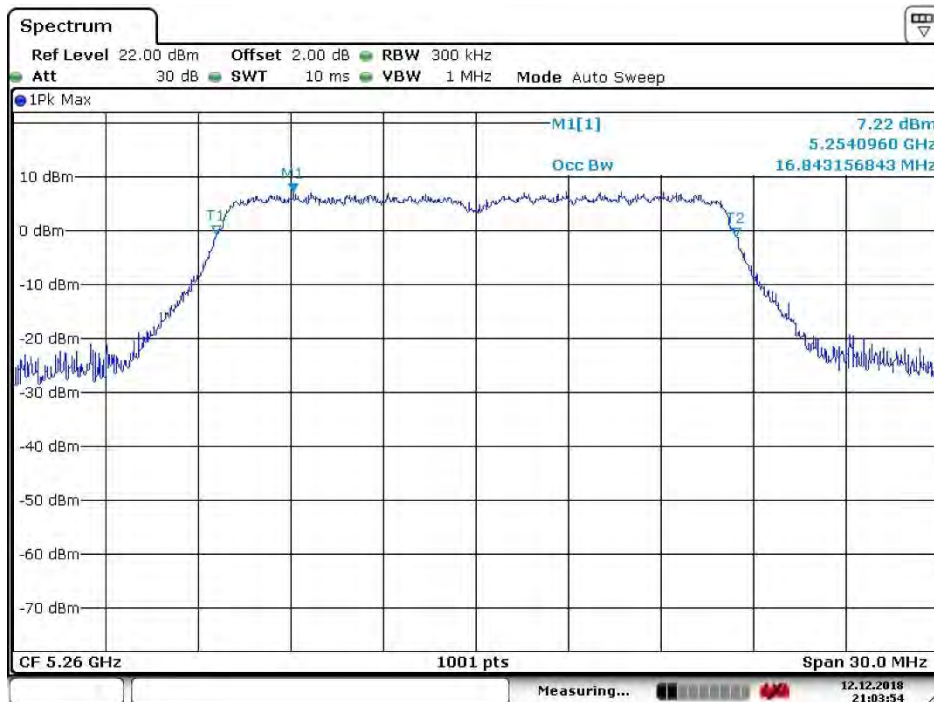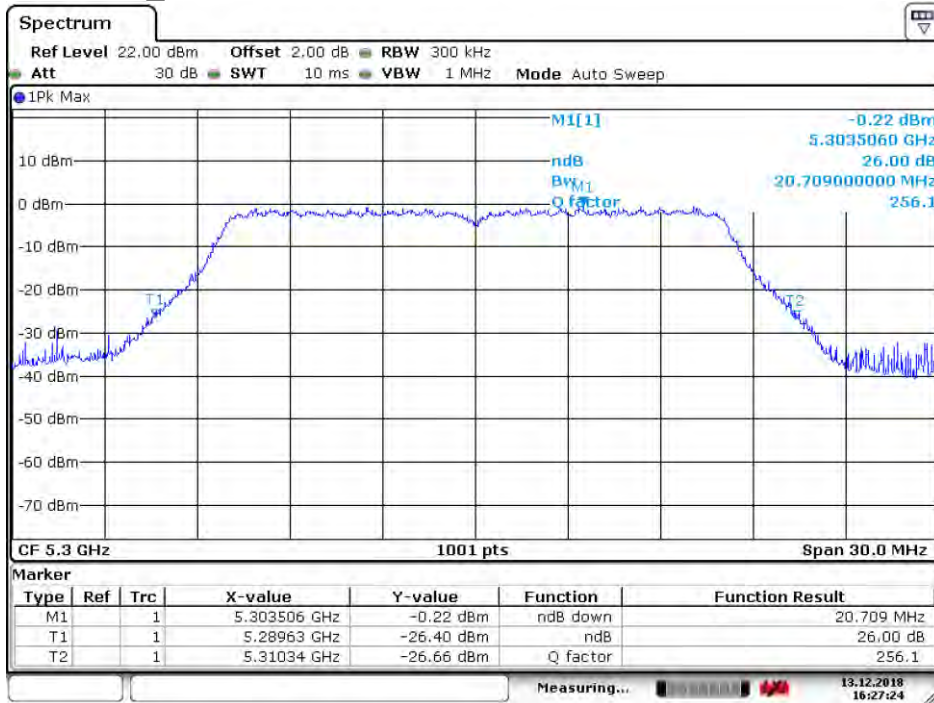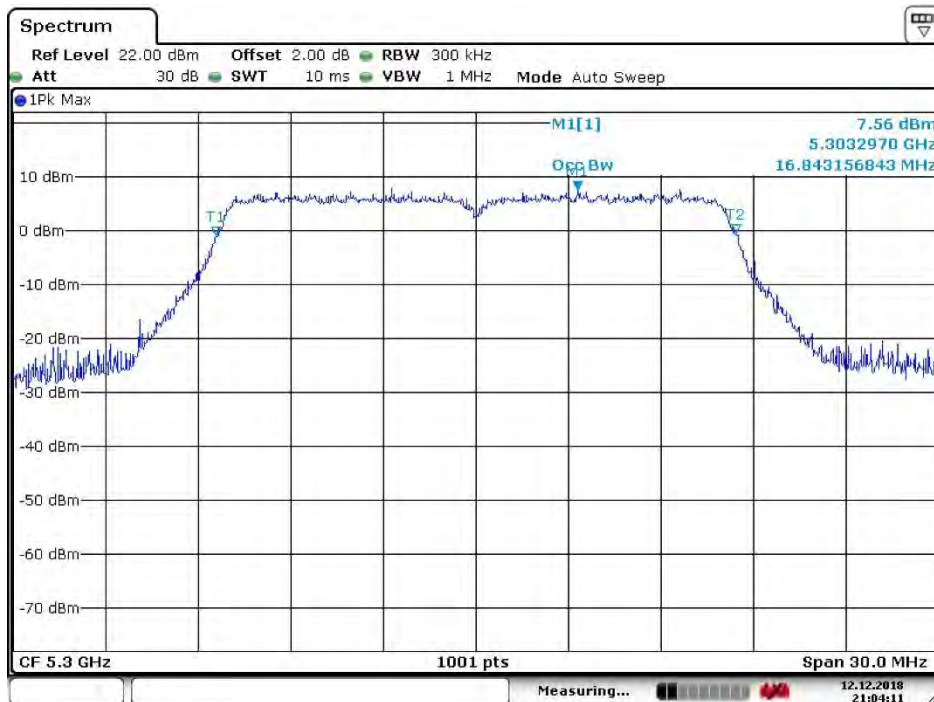Date: 12.DEC.2018 21:03:55

4.5.2.52   11A20_60 ANT 2
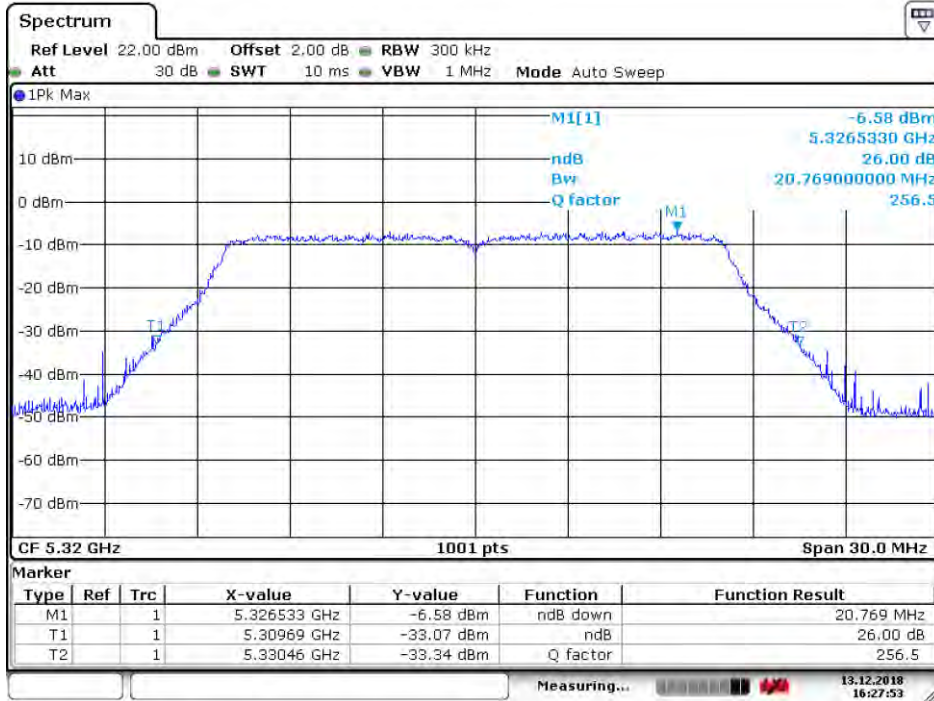

Date: 13.DEC.2018 16:27:24

Date: 12.DEC.2018 21:04:12
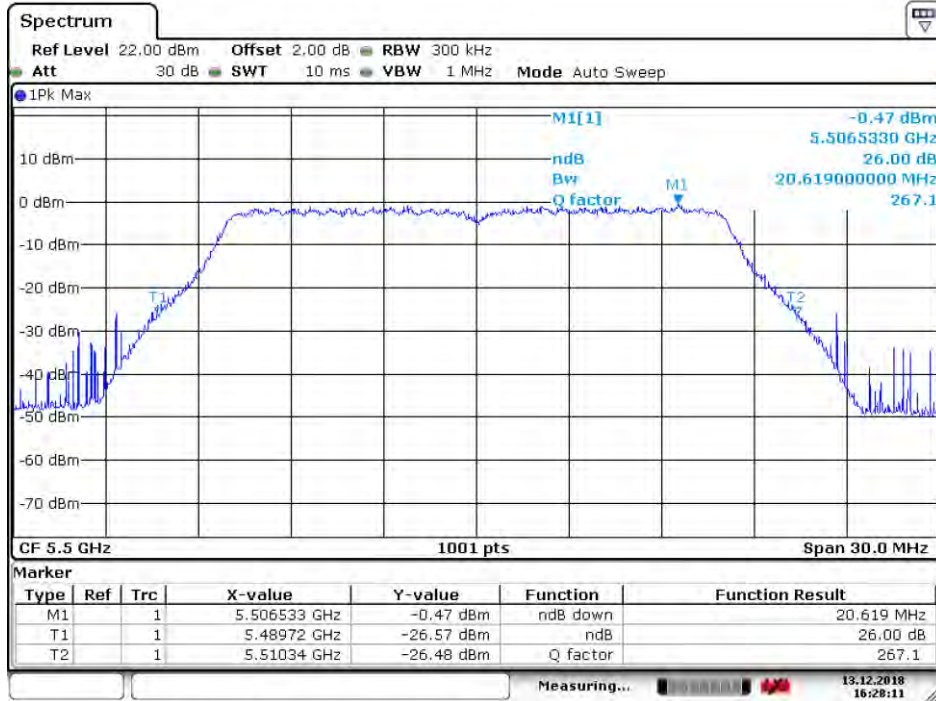
4.5.2.53 11A20_64 ANT 2

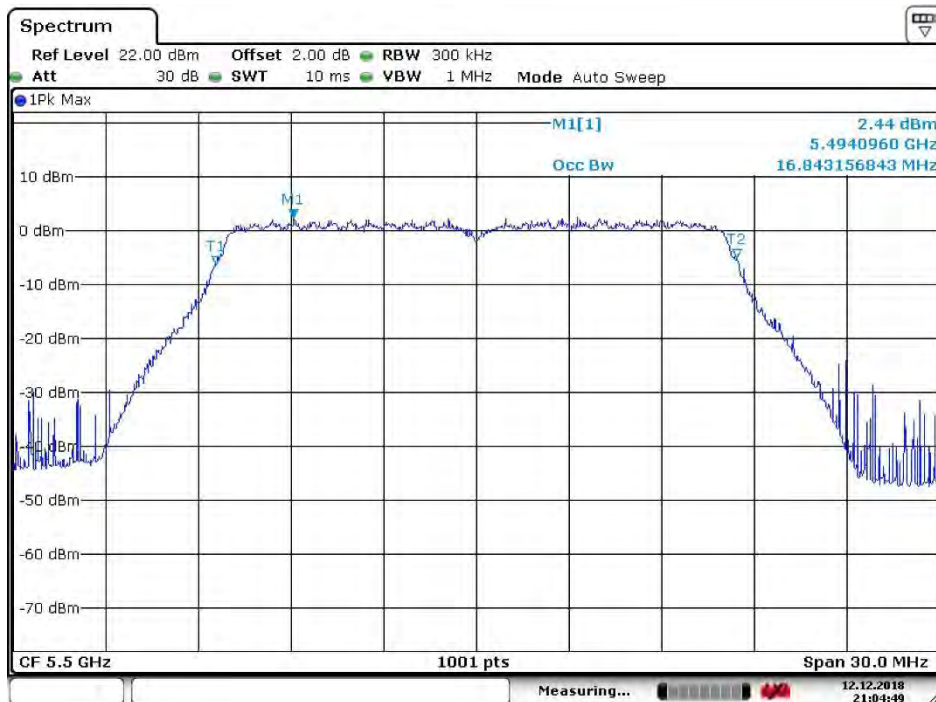

Date: 13.DEC.2018 16:27:54

Date: 12.DEC.2018 21:04:29

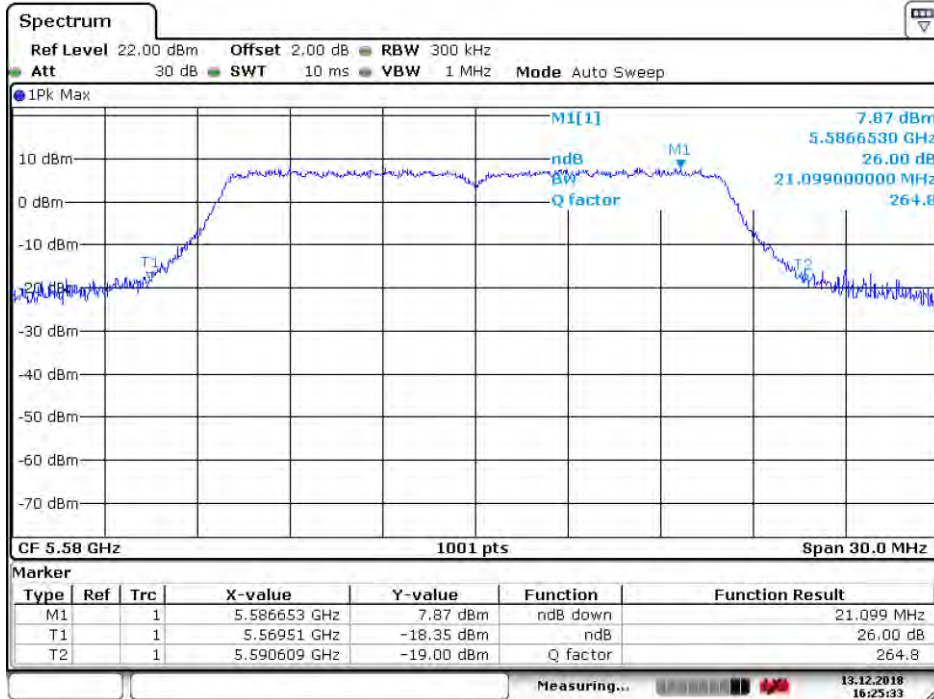## 4.5.2.54   11A20_100 ANT 2
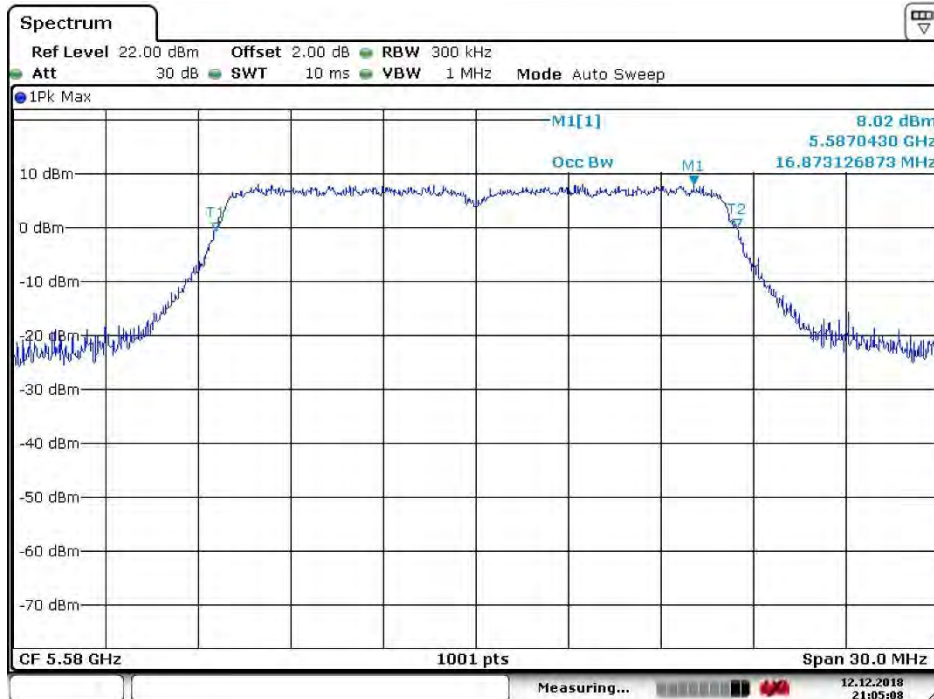

Date: 13.DEC.2018 16:28:11

Date: 12.DEC.2018 21:04:49

4.5.2.55   11A20_116 ANT 2

Date: 13.DEC.2018 16:25:33

Date: 12.DEC.2018 21:05:08

4.5.2.56   11A20_140 ANT 2

Marker						
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.703926 GHz	0.33 dBm	ndB down	20.649 MHz
T1		1	5.68963 GHz	-26.04 dBm	ndB	26.00 dB
T2		1	5.71028 GHz	-25.76 dBm	Q factor	276.2

Date: 13.DEC.2018 16:29:43
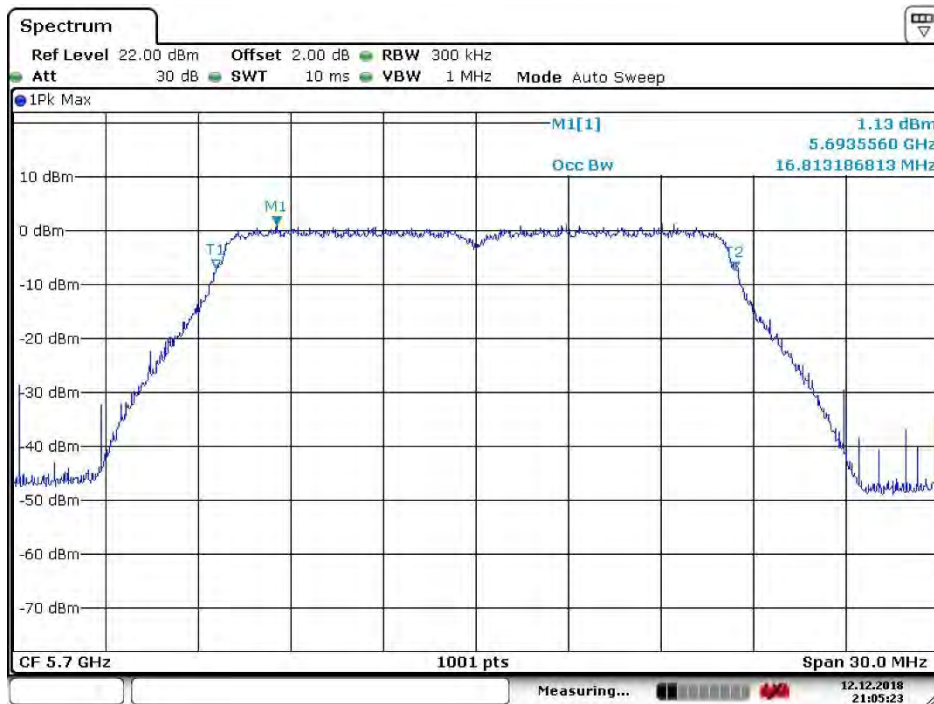
Date: 12.DEC.2018 21:05:24

4.5.2.57   11N20_36 ANT 2

Date: 13.DEC.2018 16:33:02

Date: 12.DEC.2018 21:11:24

4.5.2.58   11N20_44 ANT 2
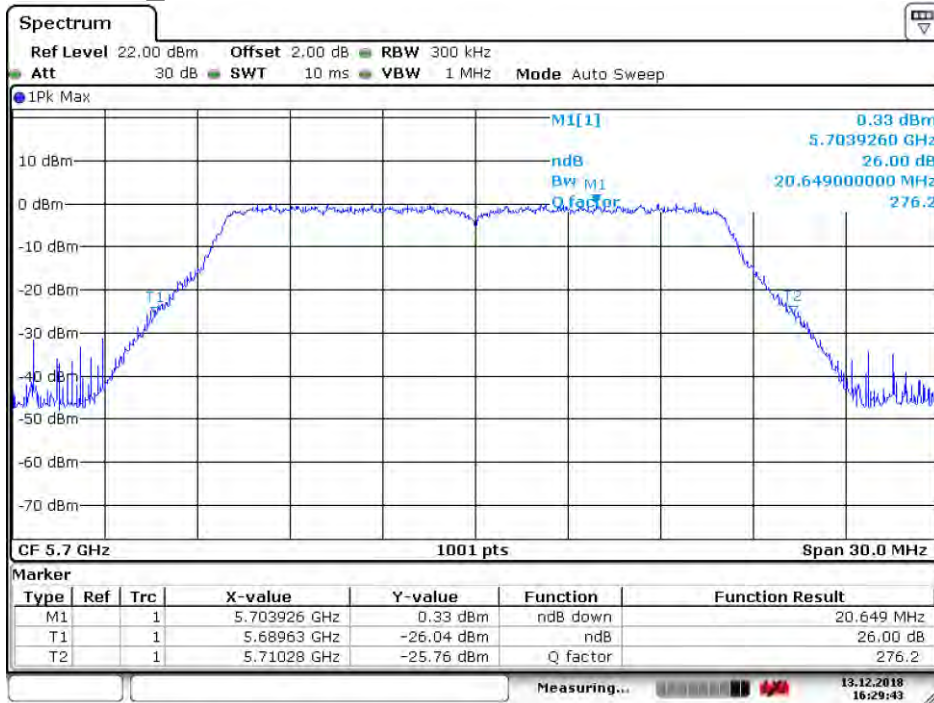

Date: 13.DEC.2018 16:33:20
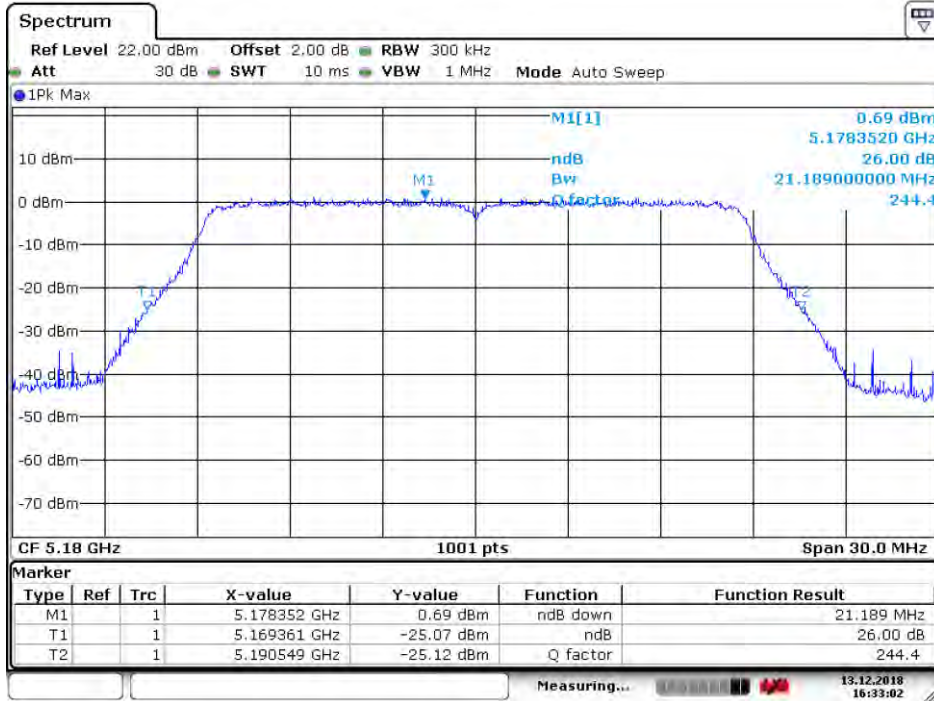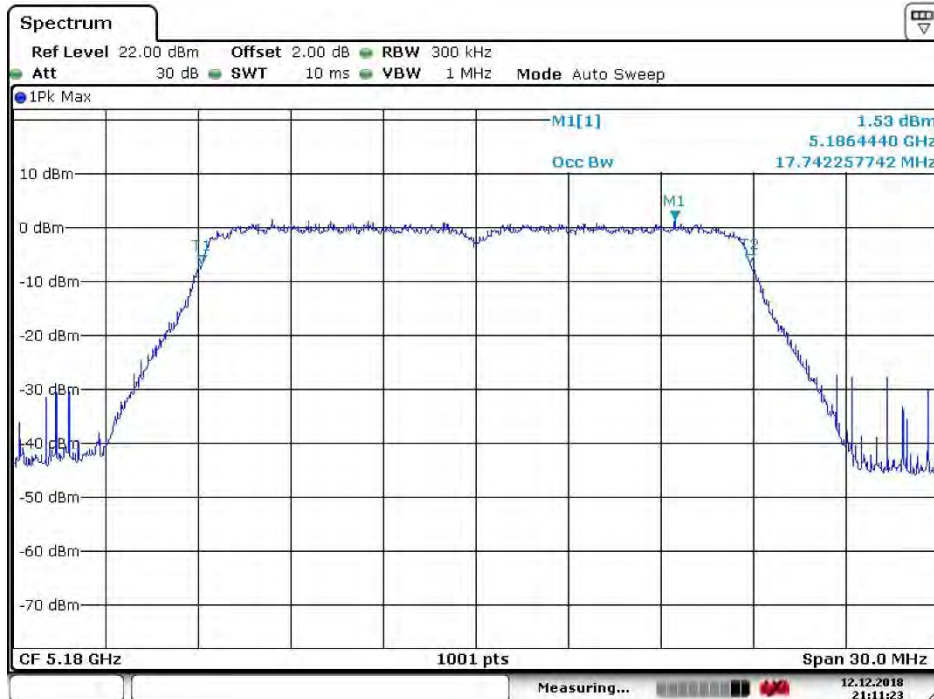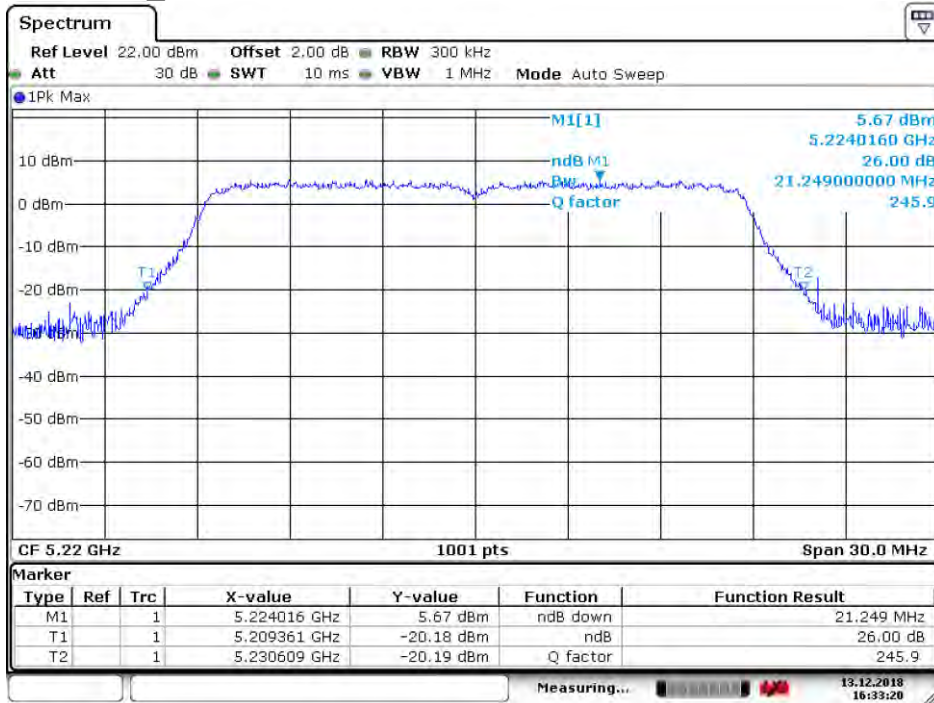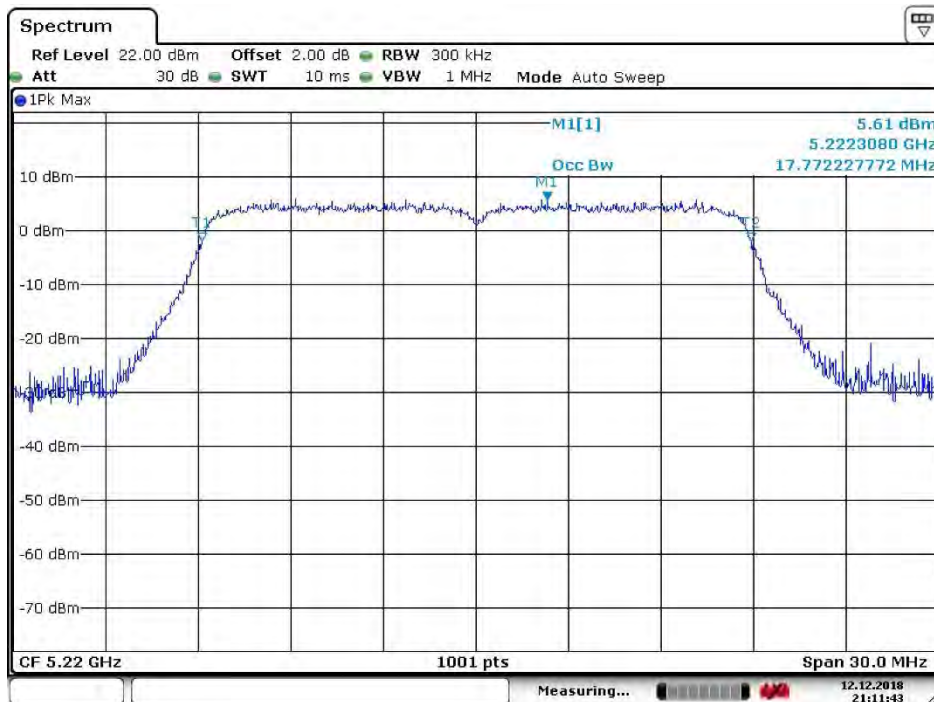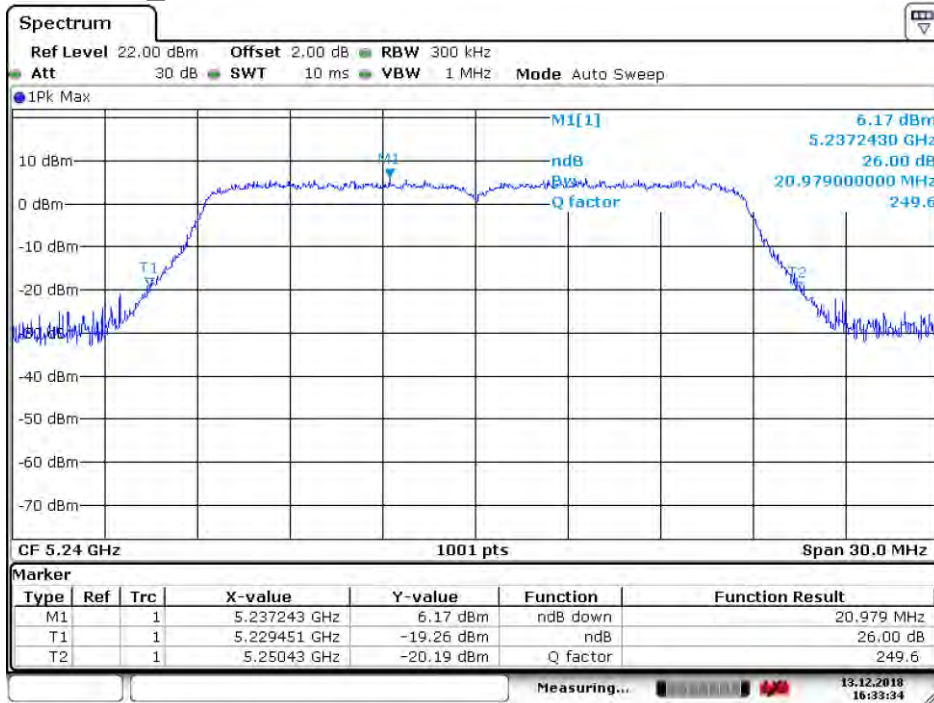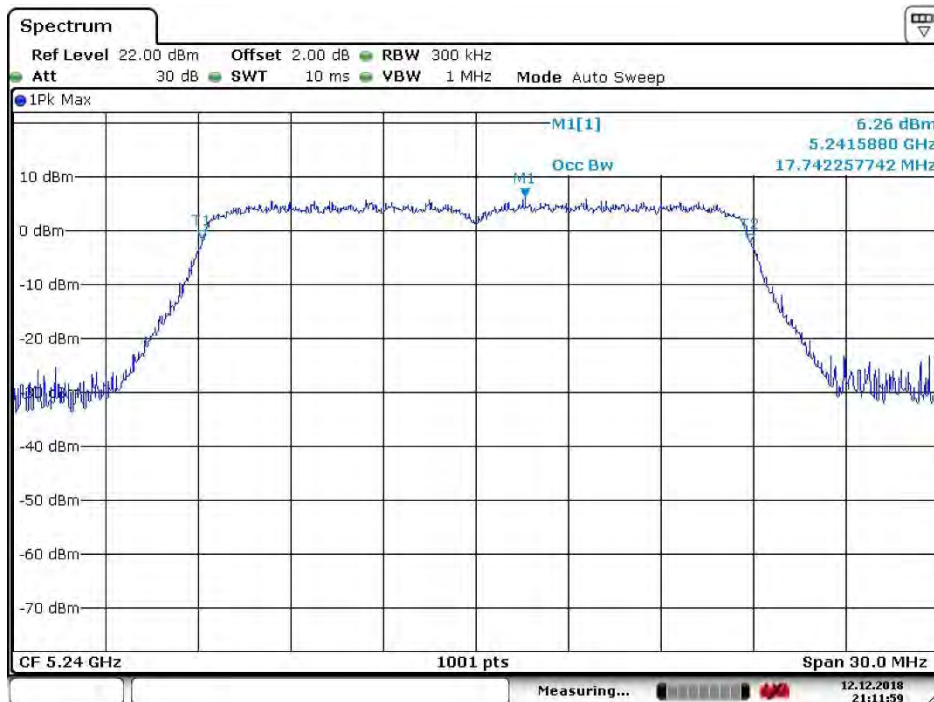

Date: 12.DEC.2018 21:11:43

4.5.2.59   11N20_48 ANT 2
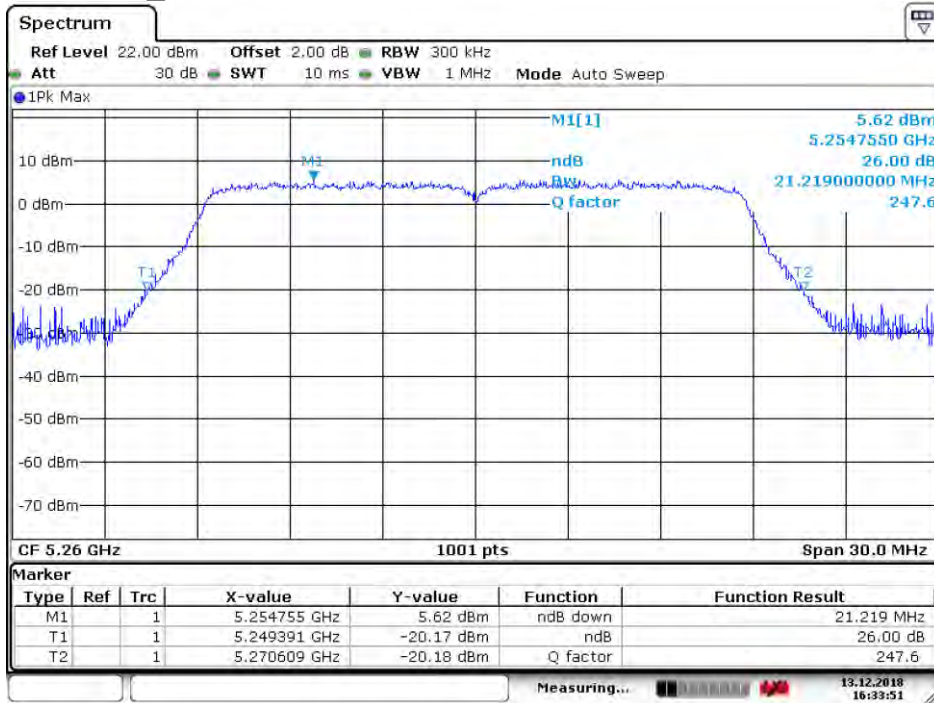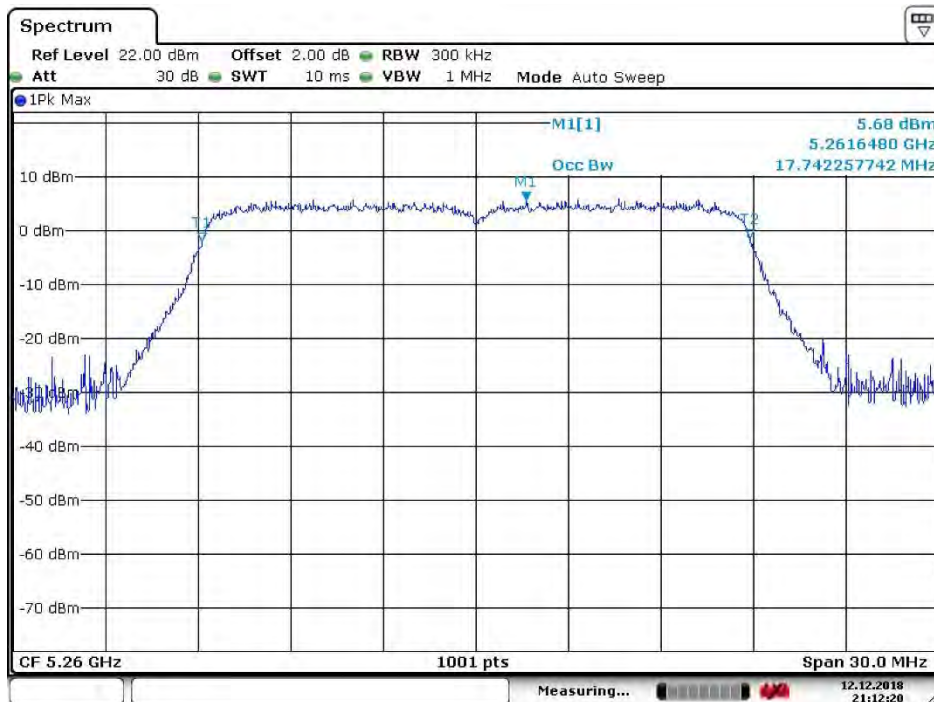

Date: 13.DEC.2018 16:33:35

Date: 12.DEC.2018 21:11:59

4.5.2.60   11N20_52 ANT 2
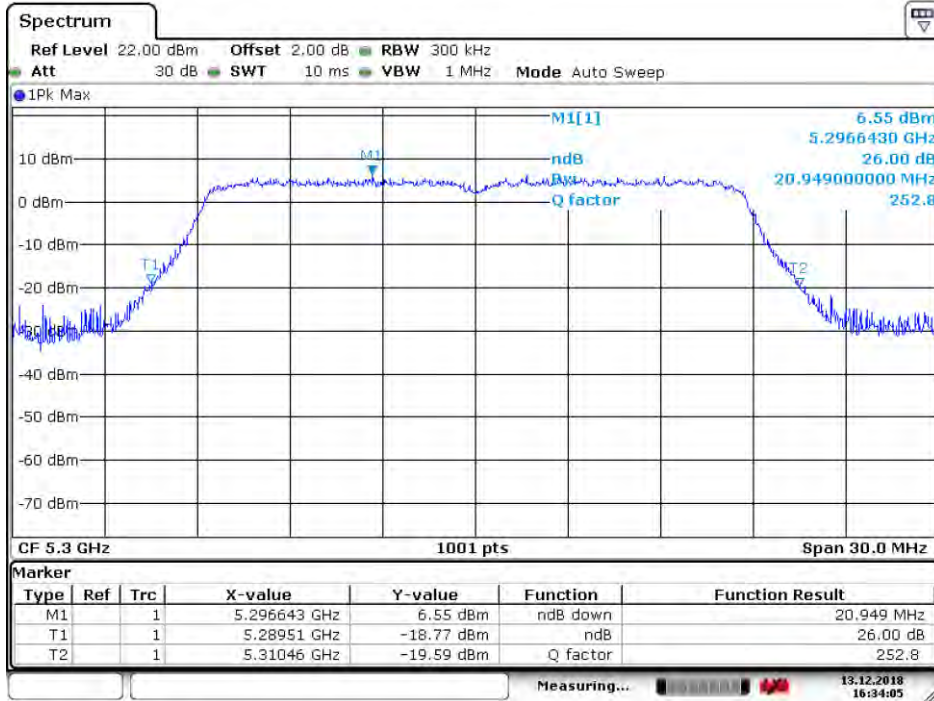

Spectrum

Ref Level 22.00 dBm   Offset 2.00 dB   RBW 300 kHz
Att 30 dB   SWT 10 ms   VBW 1 MHz   Mode Auto Sweep

1Pk Max

M1[1]   5.62 dBm
             5.2547550 GHz
ndB   26.00 dB
             21.219000000 MHz
Q factor   247.6

CF 5.26 GHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.254755 GHz	5.62 dBm	ndB down	21.219 MHz
T1		1	5.249391 GHz	-20.17 dBm	ndB	26.00 dB
T2		1	5.270609 GHz	-20.18 dBm	Q factor	247.6

Measuring...   13.12.2018 16:33:51

Date: 13.DEC.2018 16:33:52

Spectrum

Ref Level 22.00 dBm   Offset 2.00 dB   RBW 300 kHz
Att 30 dB   SWT 10 ms   VBW 1 MHz   Mode Auto Sweep

1Pk Max

M1[1]   5.68 dBm
             5.2616480 GHz
Occ Bw   17.742257742 MHz

CF 5.26 GHz   1001 pts   Span 30.0 MHz

Measuring...   12.12.2018 21:12:20

Date: 12.DEC.2018 21:12:21

4.5.2.61   11N20_60 ANT 2

Spectrum

Ref Level 22.00 dBm   Offset 2.00 dB   RBW 300 kHz
Att   30 dB   SWT   10 ms   VBW   1 MHz   Mode Auto Sweep

1Pk Max

M1[1]   6.55 dBm
5.2966430 GHz
ndB   26.00 dB
20.949000000 MHz
Q factor   252.8

CF 5.3 GHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.296643 GHz	6.55 dBm	ndB down	20.949 MHz
T1		1	5.28951 GHz	-18.77 dBm	ndB	26.00 dB
T2		1	5.31046 GHz	-19.59 dBm	Q factor	252.8

Measuring...   13.12.2018 16:34:05

Date: 13.DEC.2018 16:34:05

Spectrum

Ref Level 22.00 dBm   Offset 2.00 dB   RBW 300 kHz
Att   30 dB   SWT   10 ms   VBW   1 MHz   Mode Auto Sweep

1Pk Max

M1[1]   6.47 dBm
5.3058740 GHz
Occ Bw   17.742257742 MHz

CF 5.3 GHz   1001 pts   Span 30.0 MHz

Measuring...   12.12.2018 21:12:53

Date: 12.DEC.2018 21:12:53

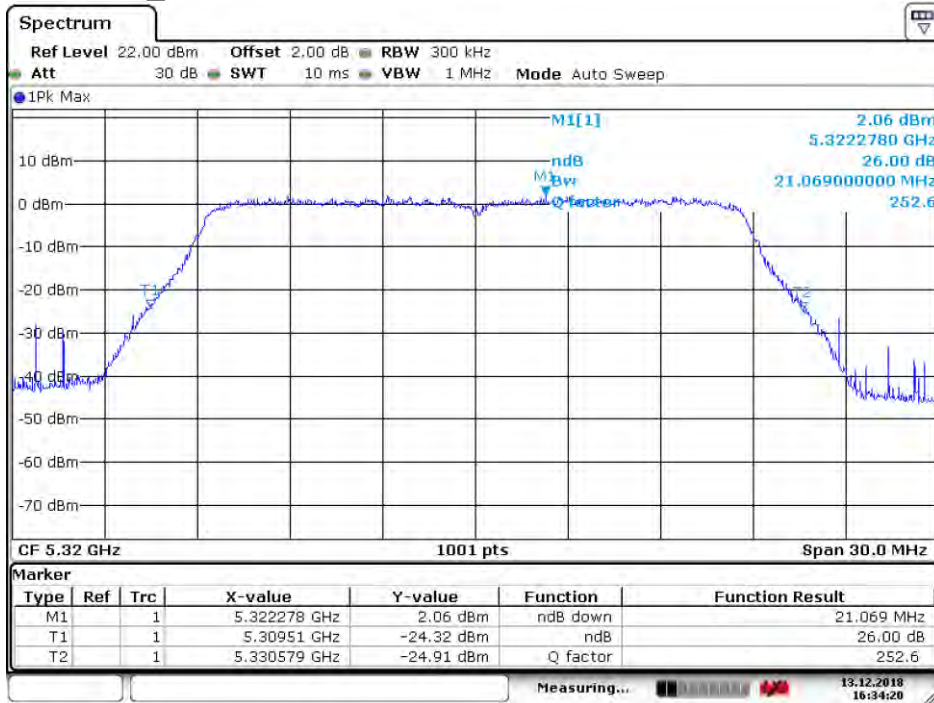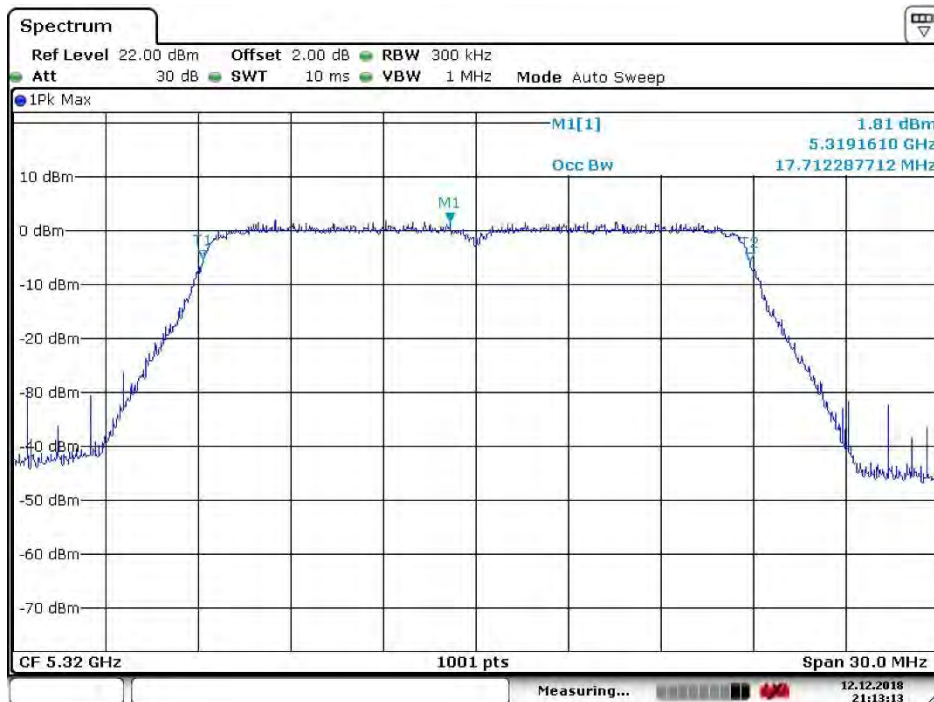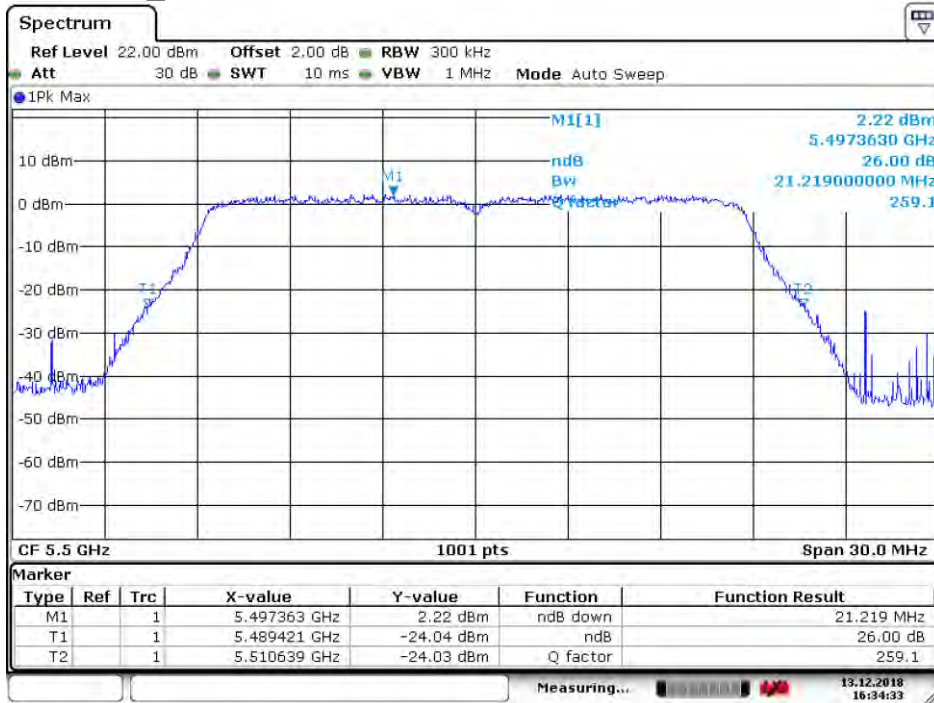### 4.5.2.62   11N20_64 ANT 2

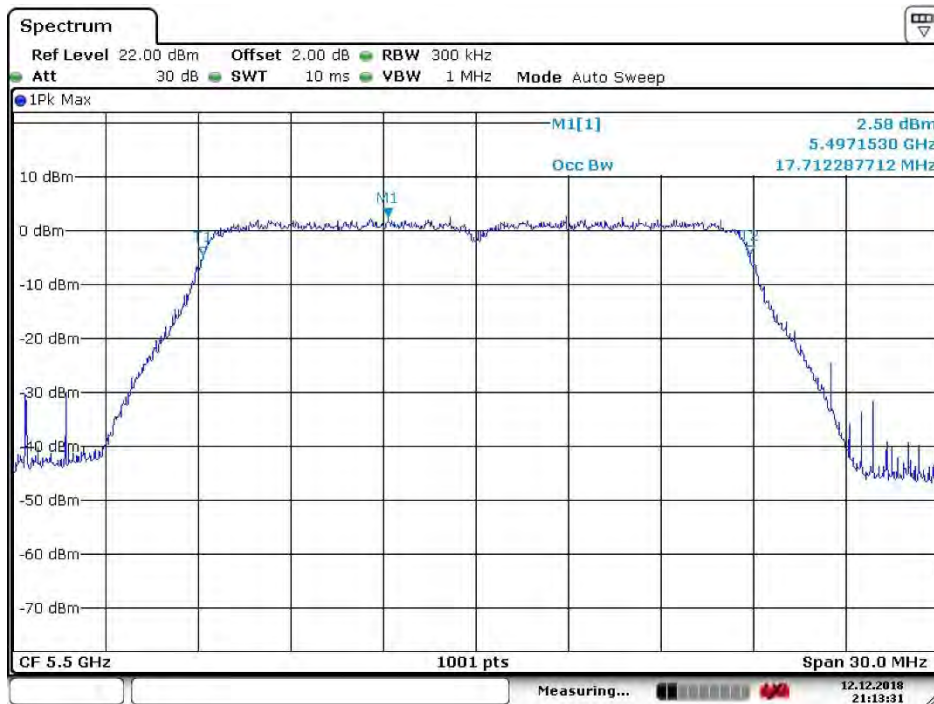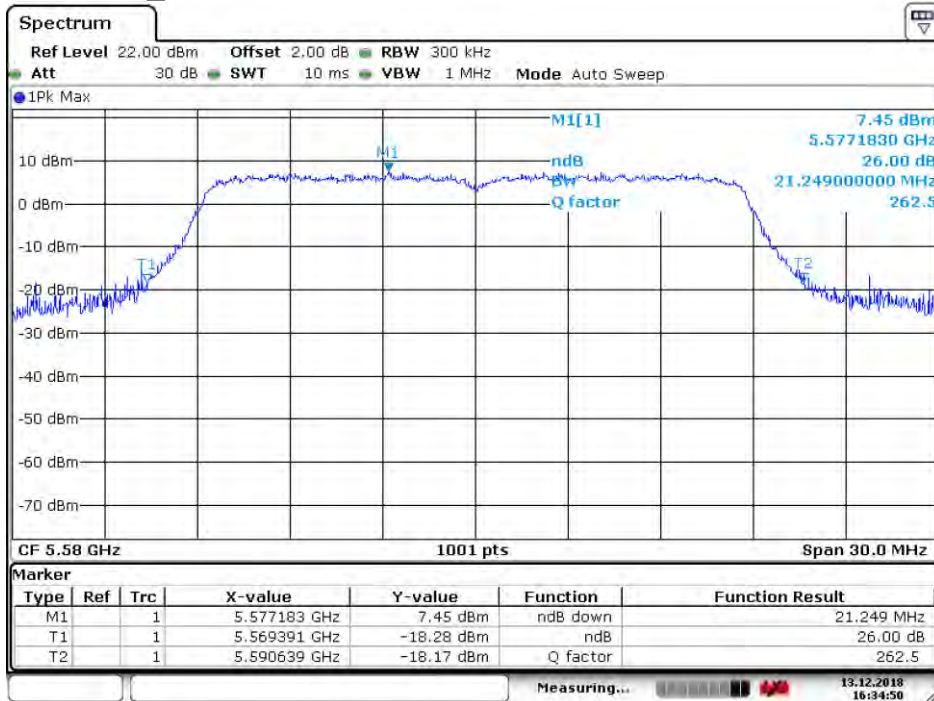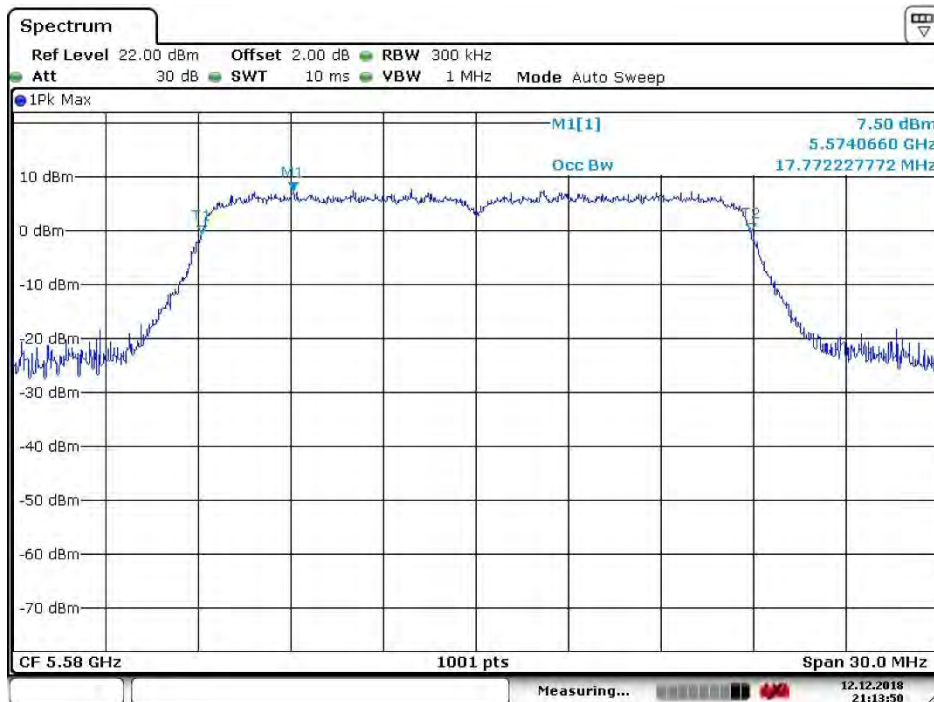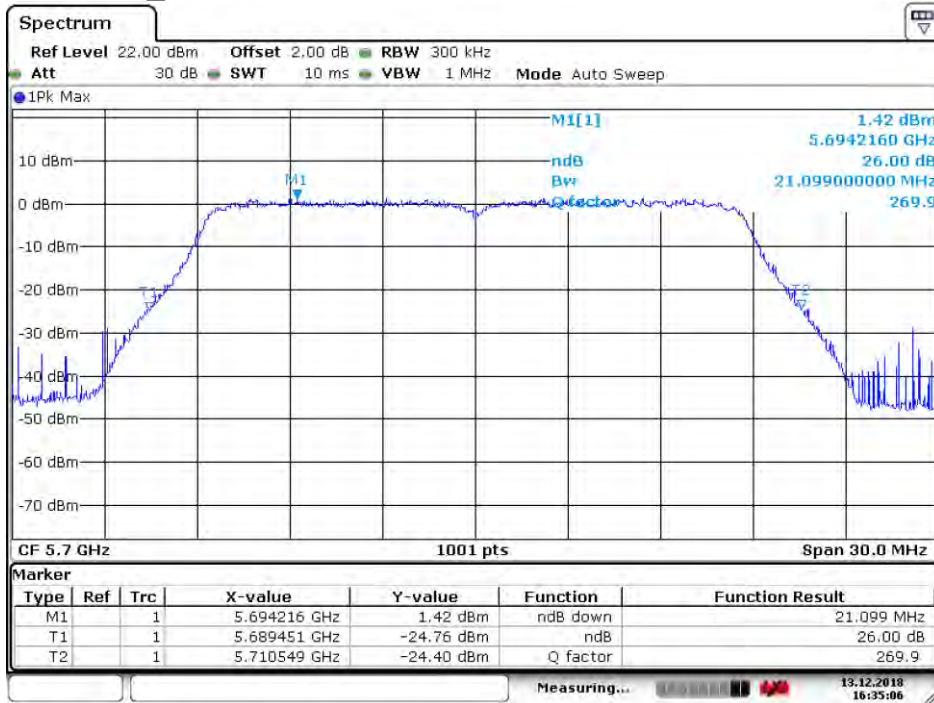Date: 13.DEC.2018 16:34:20

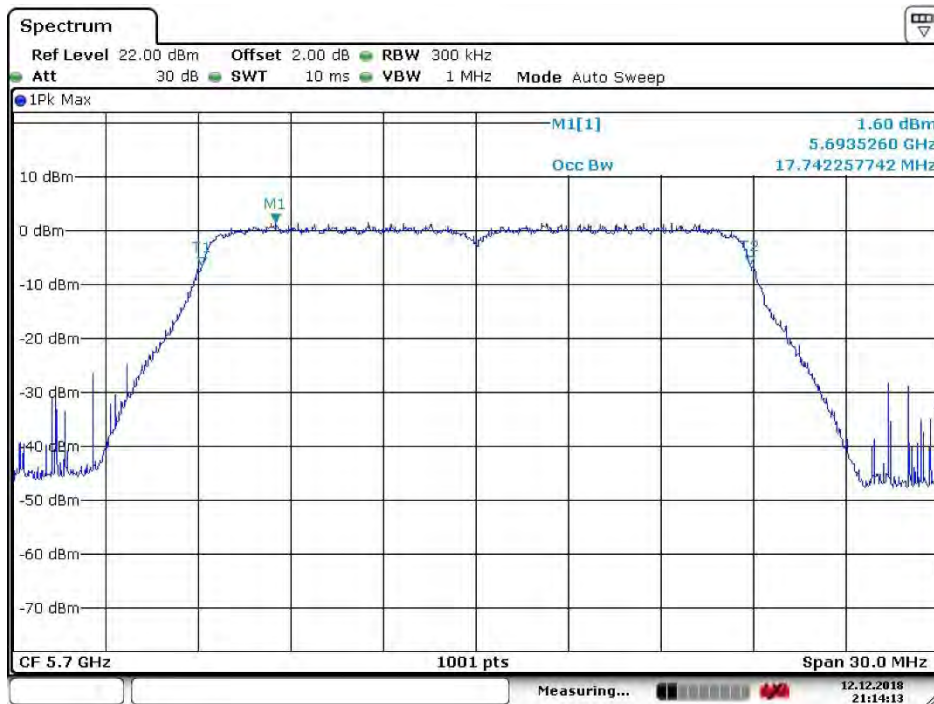Date: 12.DEC.2018 21:13:13

4.5.2.63   11N20_100 ANT 2

Date: 13.DEC.2018 16:34:34

Date: 12.DEC.2018 21:13:32

4.5.2.64 11N20_116 ANT 2

Marker						
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.577183 GHz	7.45 dBm	ndB down	21.249 MHz
T1		1	5.569391 GHz	-18.28 dBm	ndB	26.00 dB
T2		1	5.590639 GHz	-18.17 dBm	Q factor	262.5

Date: 13.DEC.2018 16:34:50

Date: 12.DEC.2018 21:13:51

4.5.2.65   11N20_140 ANT 2

Date: 13.DEC.2018 16:35:07

Date: 12.DEC.2018 21:14:13

4.5.2.66   11N40_38 ANT 2
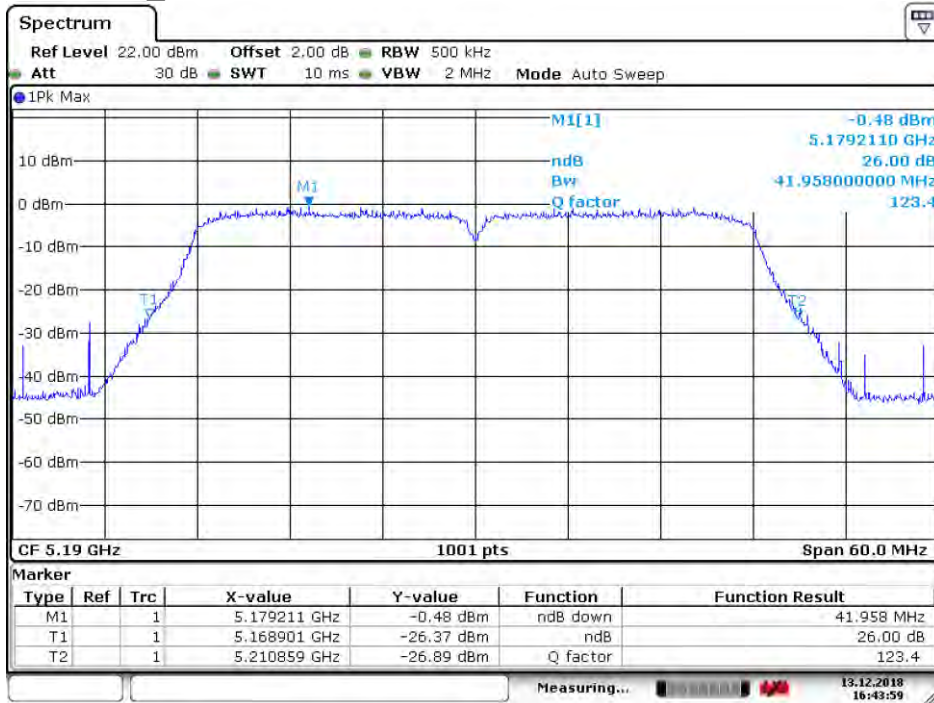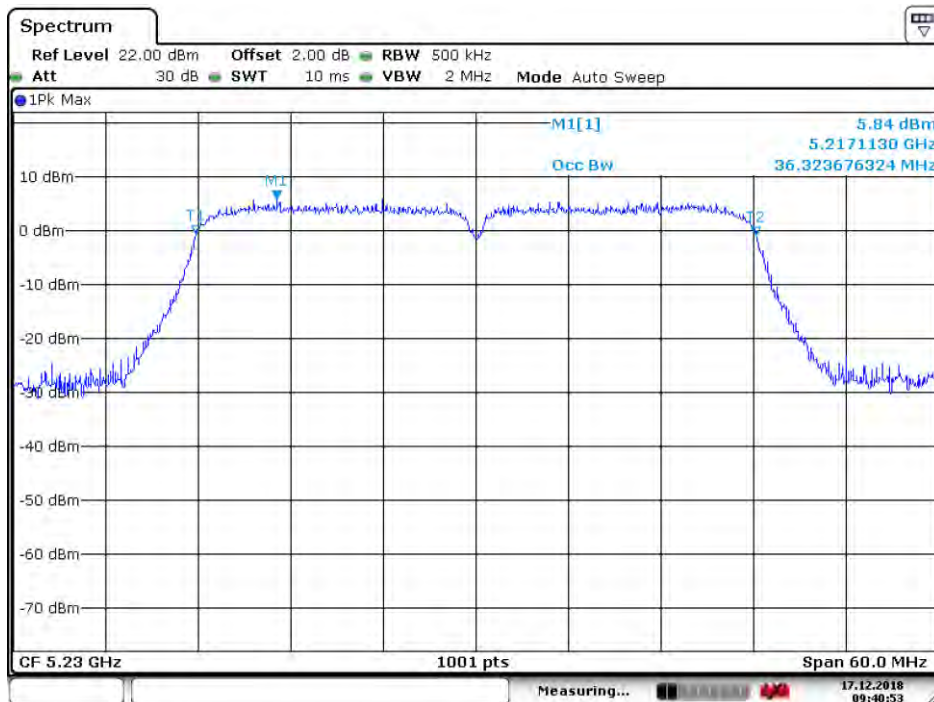

Date: 13.DEC.2018 16:43:59
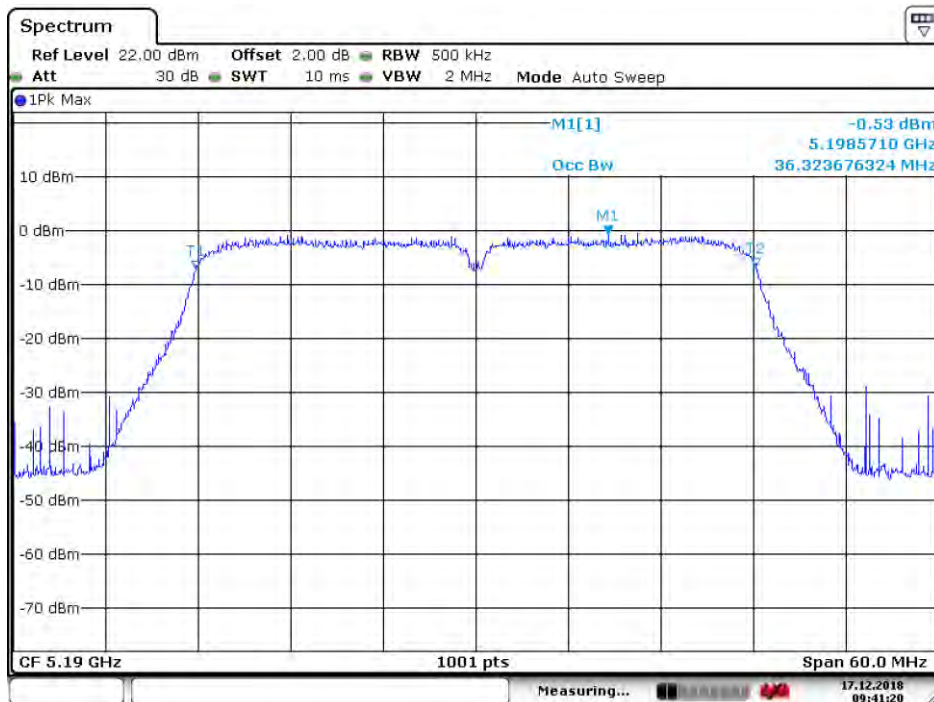
Date: 17.DEC.2018 09:41:20
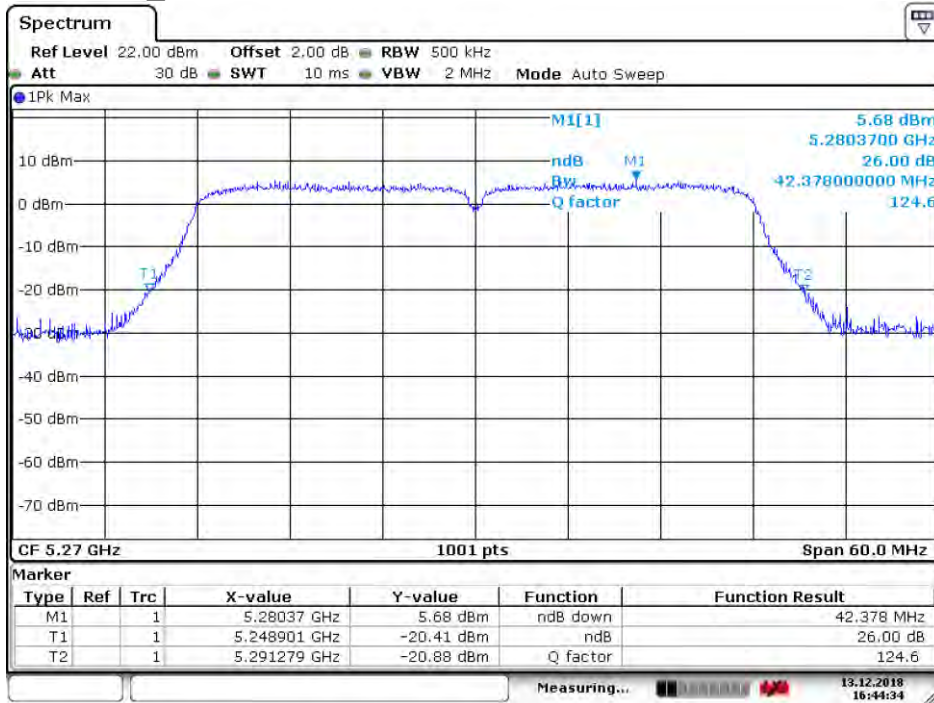
4.5.2.67   11N40_46 ANT 2
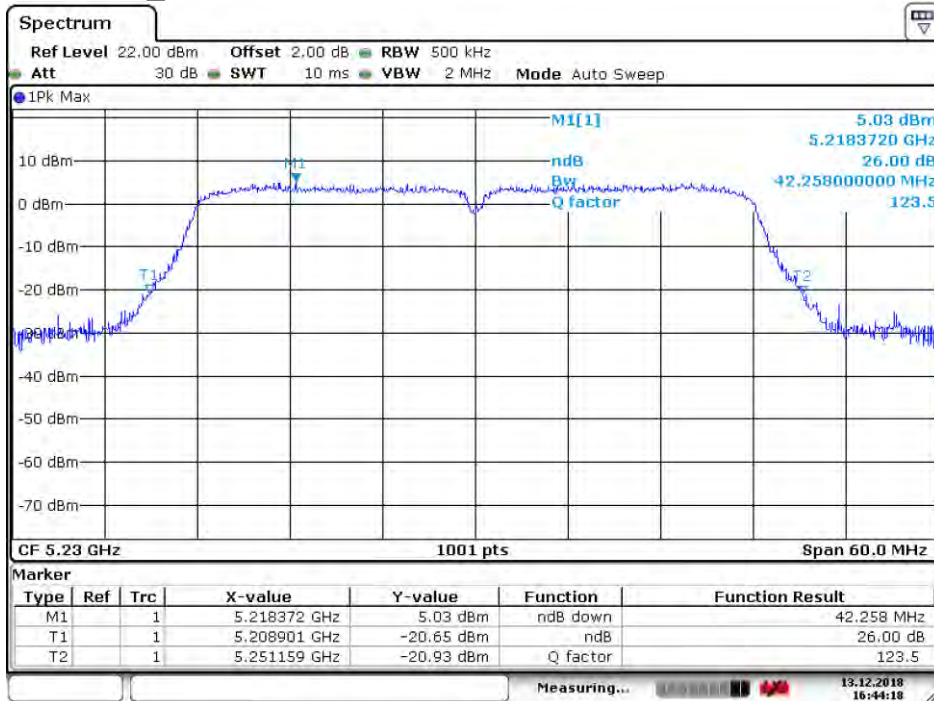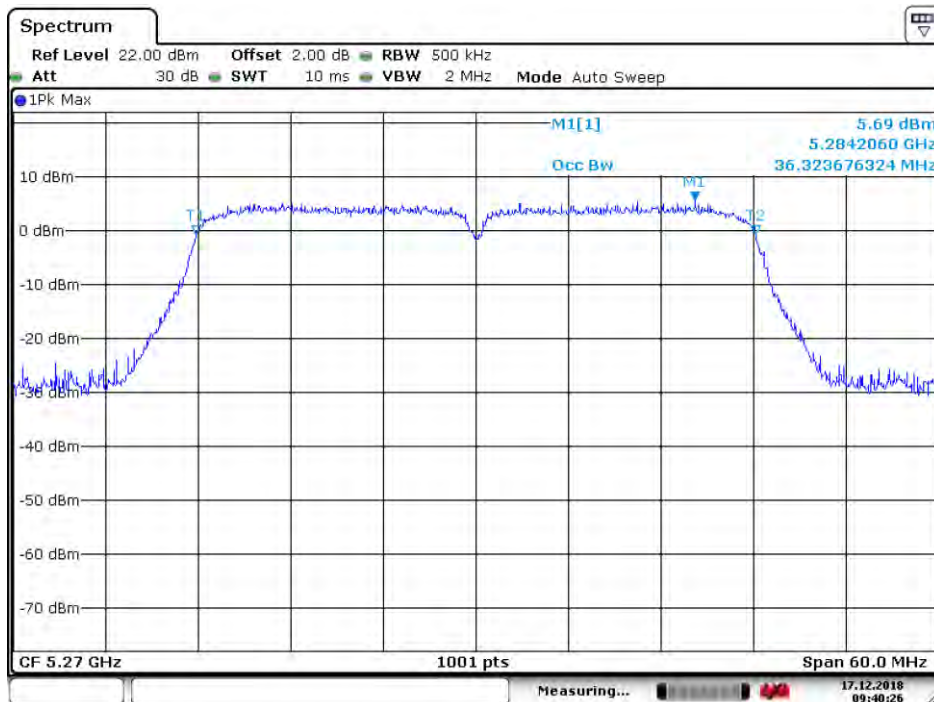

Date: 13.DEC.2018 16:44:19

Date: 17.DEC.2018 09:40:54

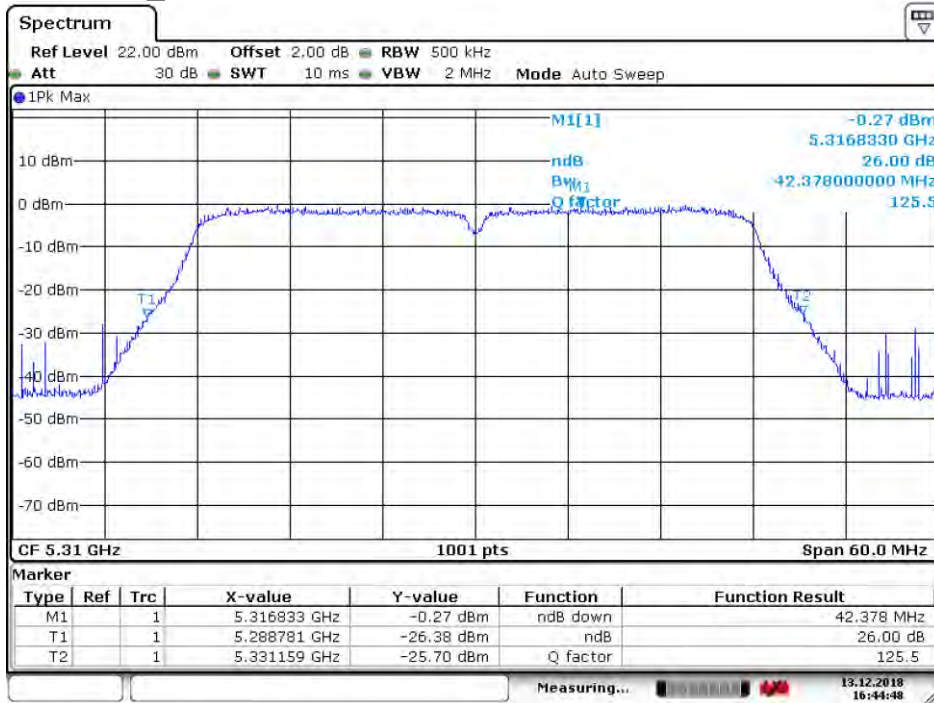## 4.5.2.68　　11N40_54 ANT 2

Date: 13.DEC.2018　16:44:34
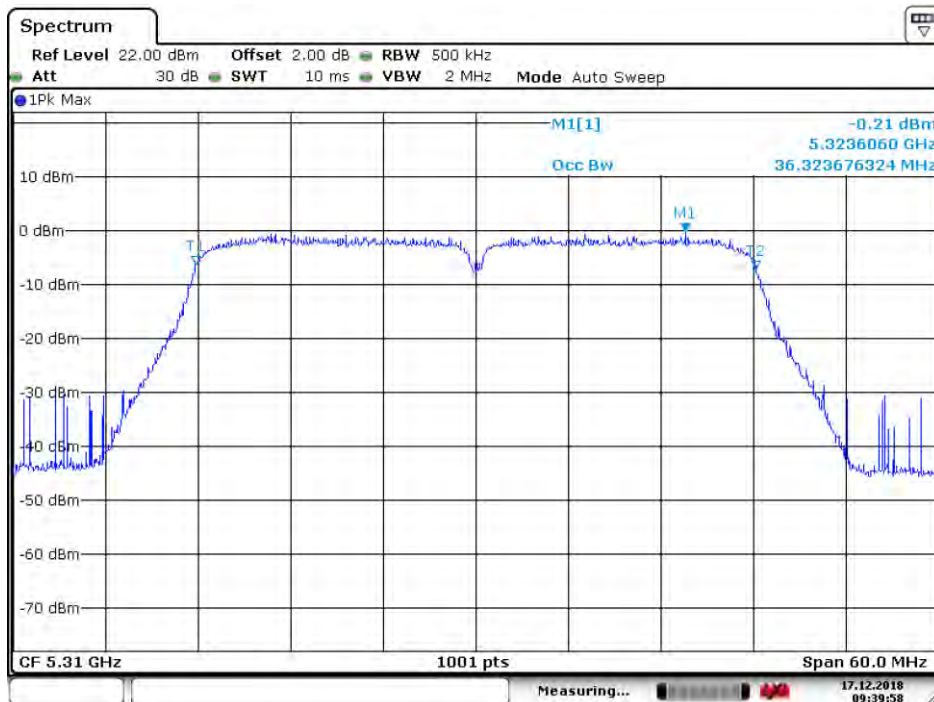

Date: 17.DEC.2018　09:40:26

4.5.2.69   11N40_62 ANT 2
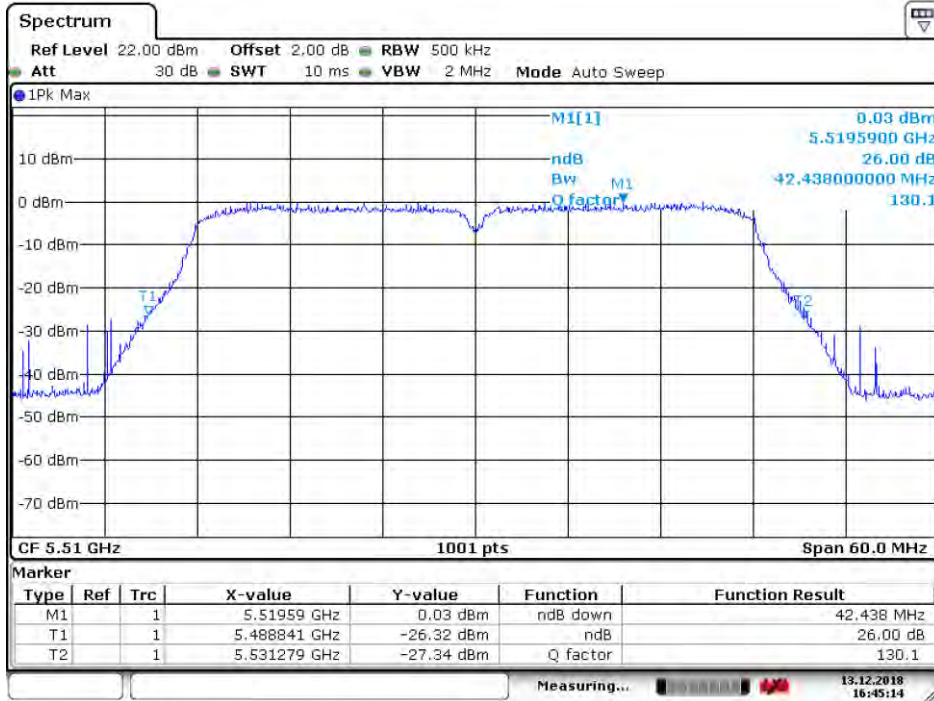

Date: 13.DEC.2018 16:44:49
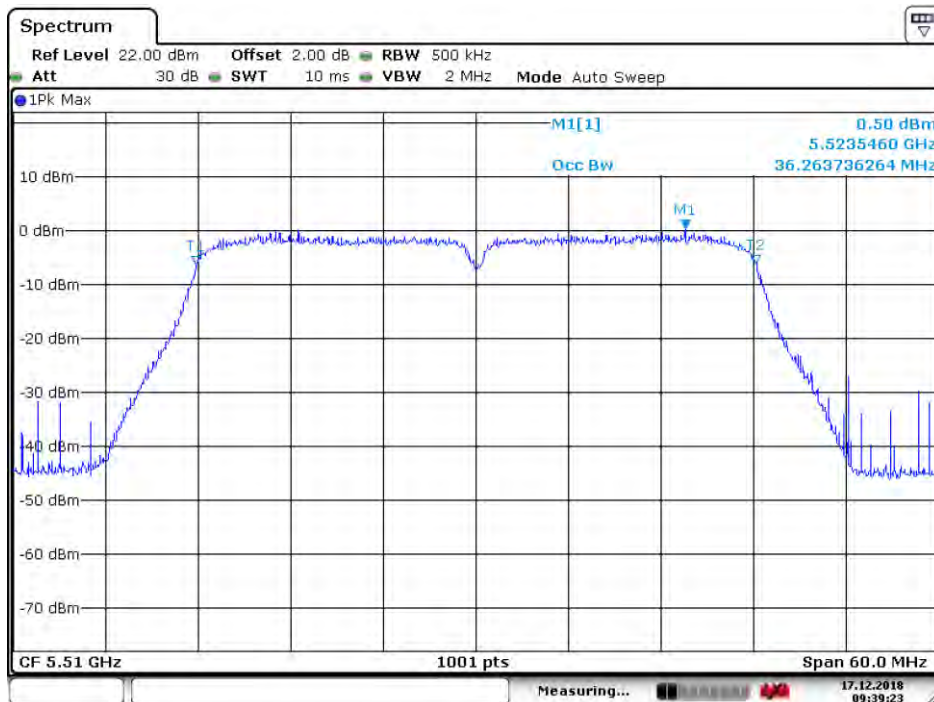

Date: 17.DEC.2018 09:39:58

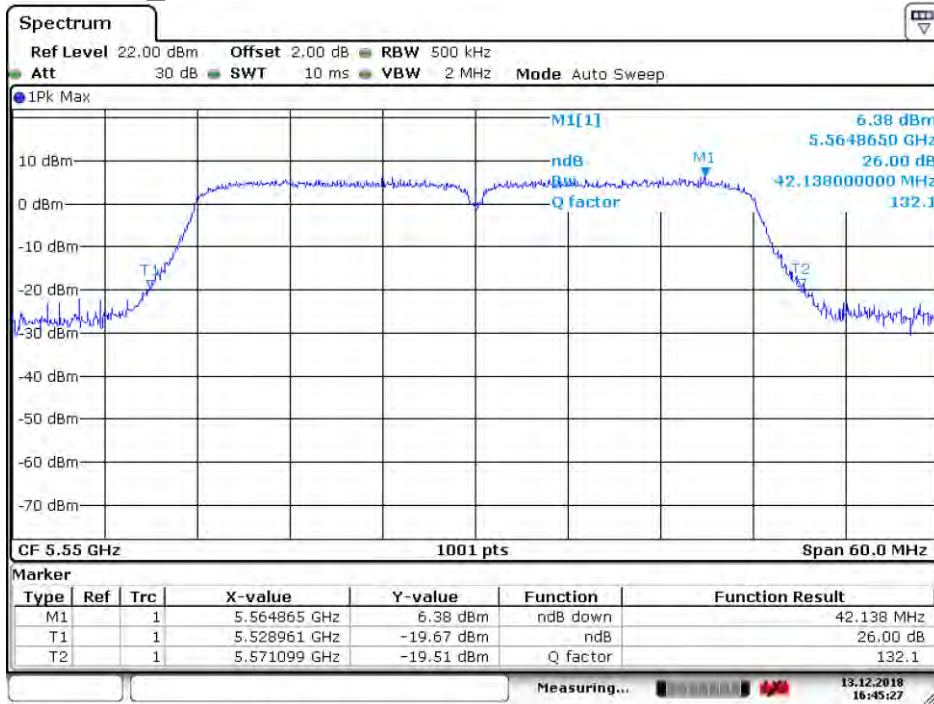### 4.5.2.70   11N40_102 ANT 2
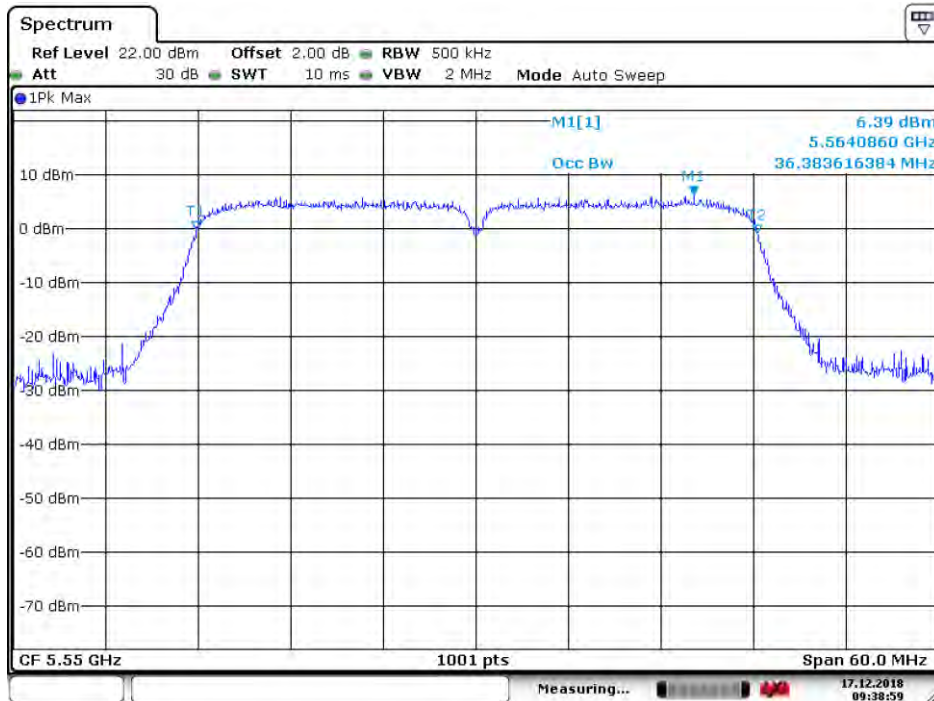

Date: 13.DEC.2018 16:45:14

Date: 17.DEC.2018 09:39:24
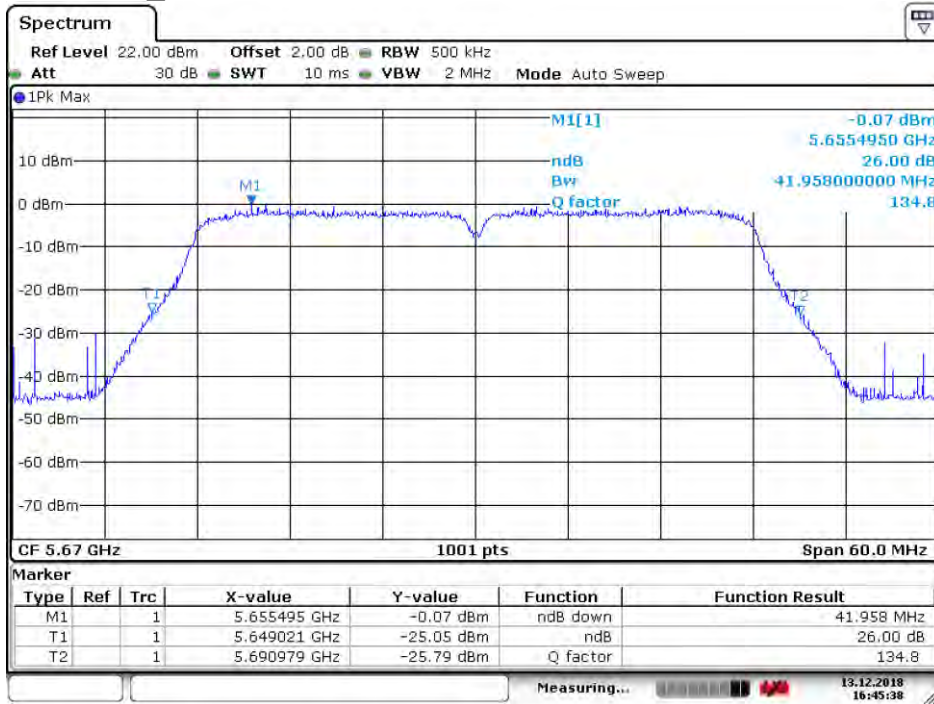
4.5.2.71　　11N40_110 ANT 2
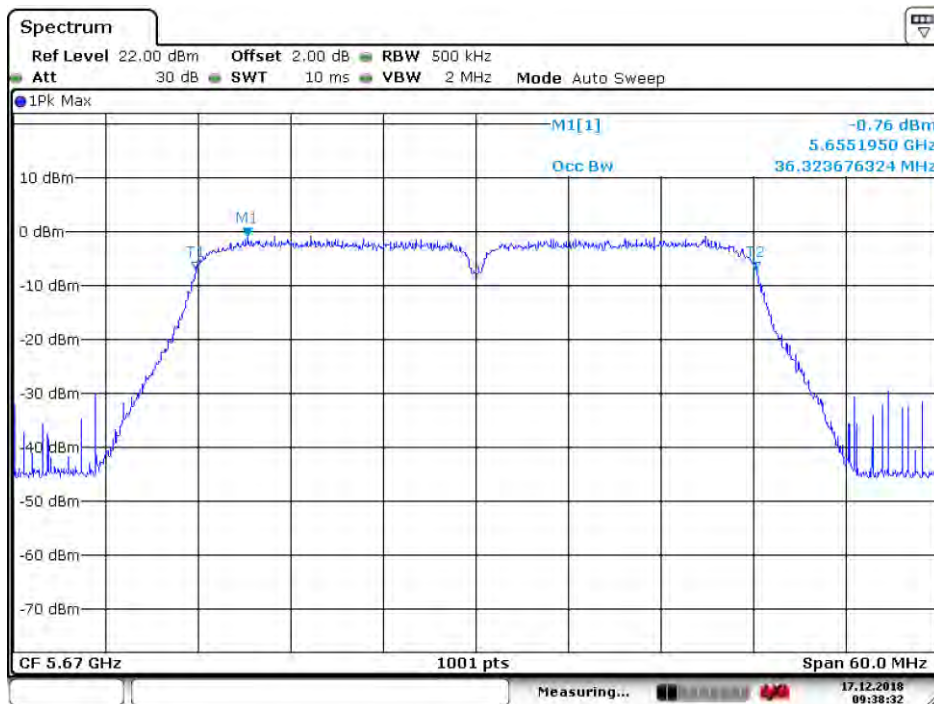

Date: 13.DEC.2018 16:45:27

Date: 17.DEC.2018 09:38:59
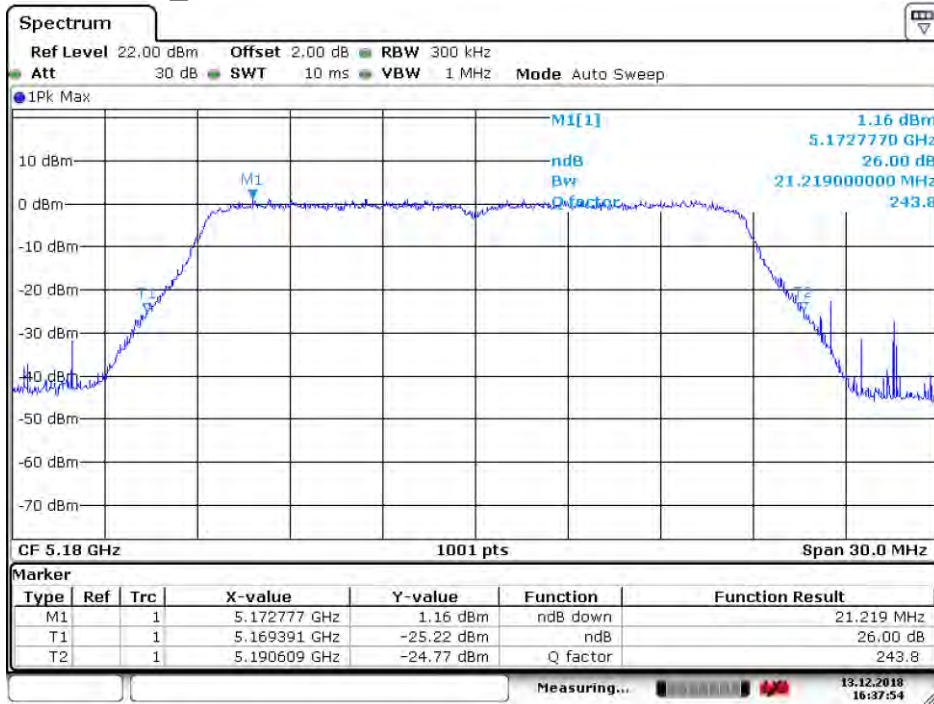
4.5.2.72 11N40_134 ANT 2
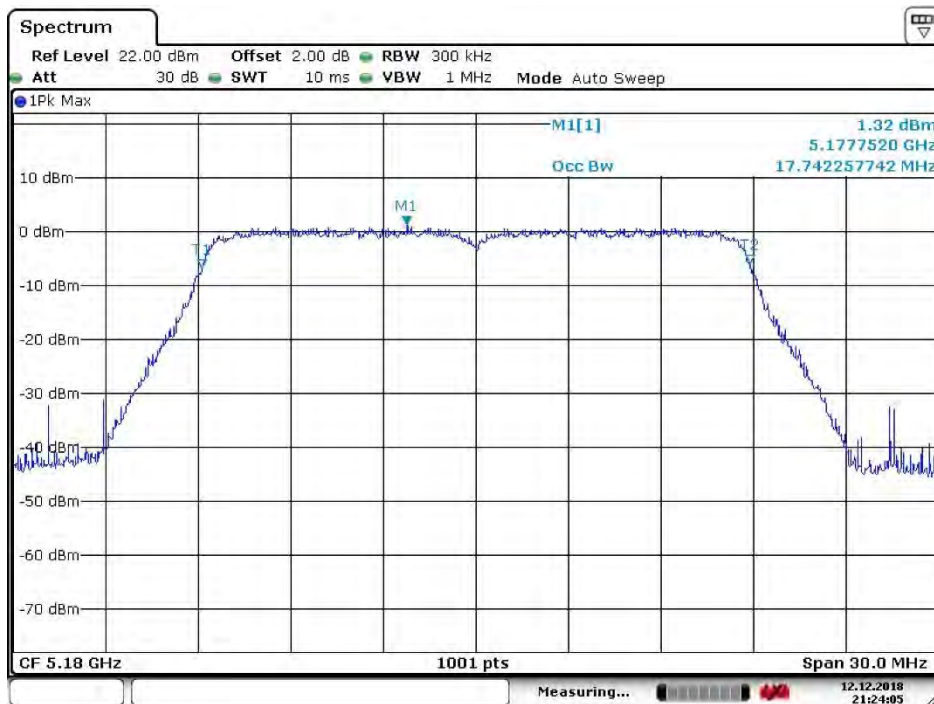

Date: 13.DEC.2018 16:45:38

Date: 17.DEC.2018 09:38:33

4.5.2.73 11AC20_36 ANT 2
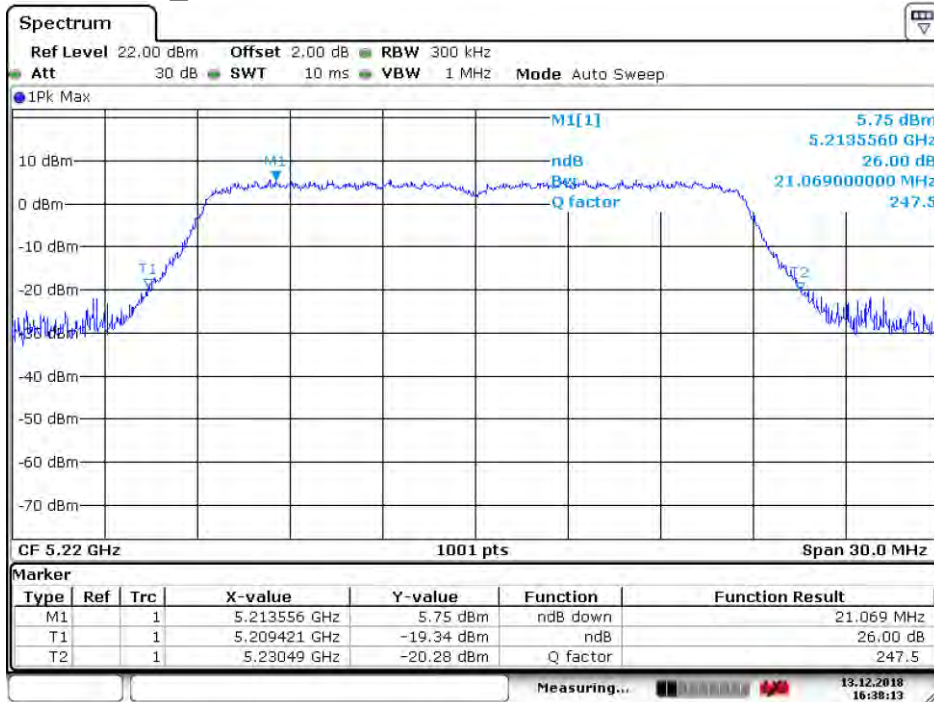

Date: 13.DEC.2018 16:37:54

Date: 12.DEC.2018 21:24:06

4.5.2.74 11AC20_44 ANT 2

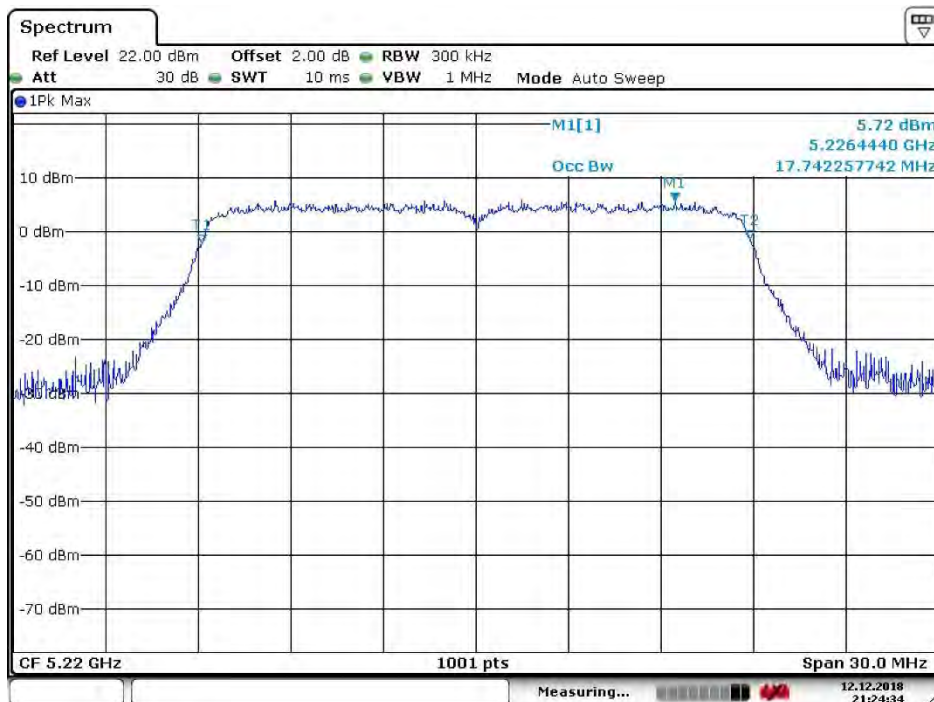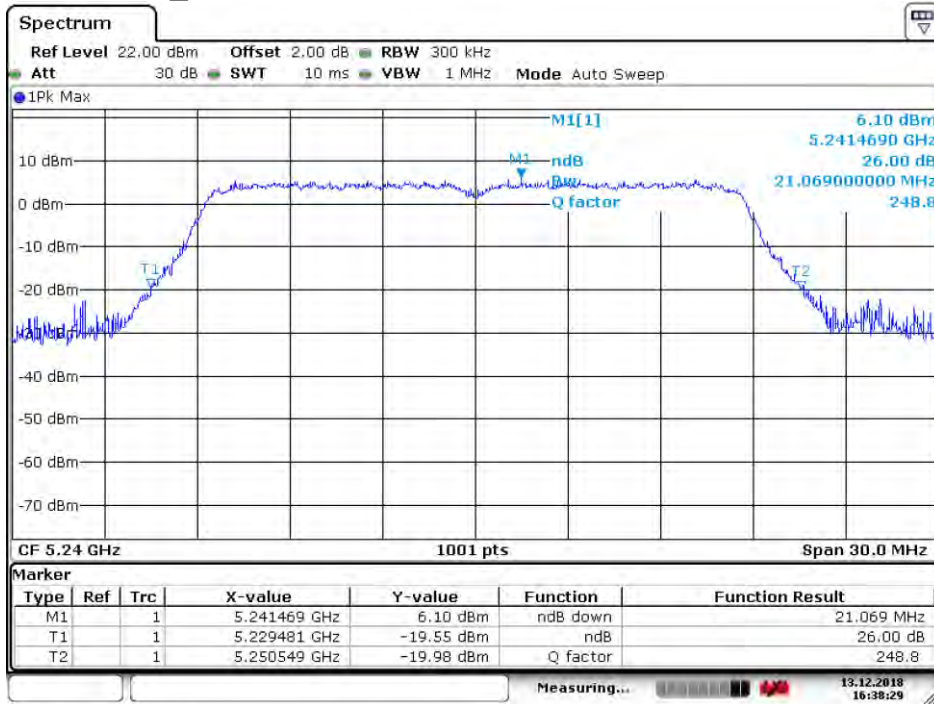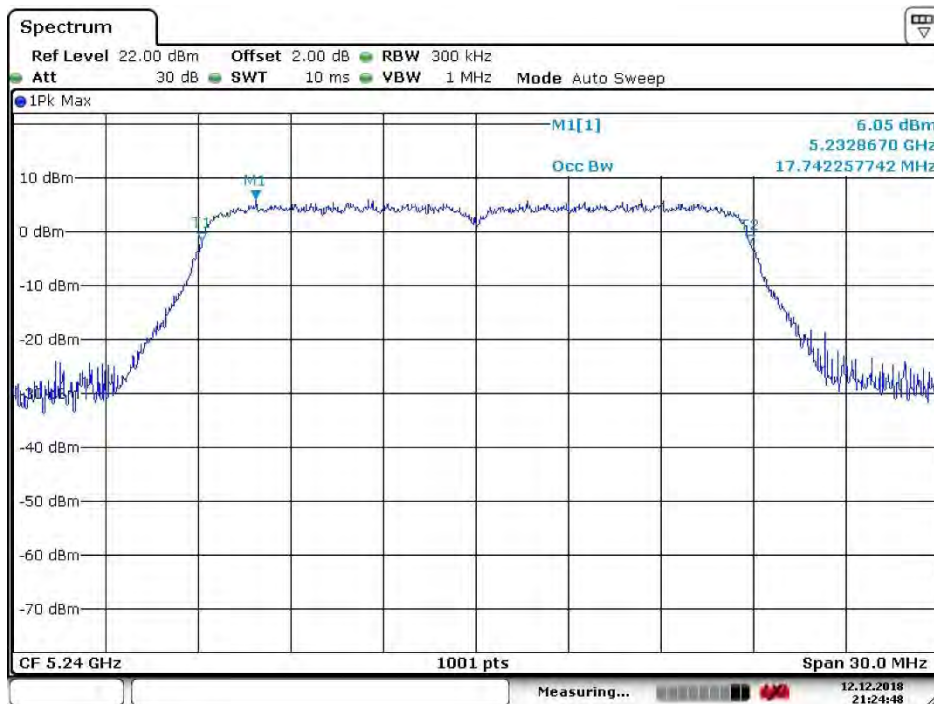| Marker						
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.213556 GHz	5.75 dBm	ndB down	21.069 MHz
T1		1	5.209421 GHz	-19.34 dBm	ndB	26.00 dB
T2		1	5.23049 GHz	-20.28 dBm	Q factor	247.5

Date: 13.DEC.2018 16:38:14

Date: 12.DEC.2018 21:24:35
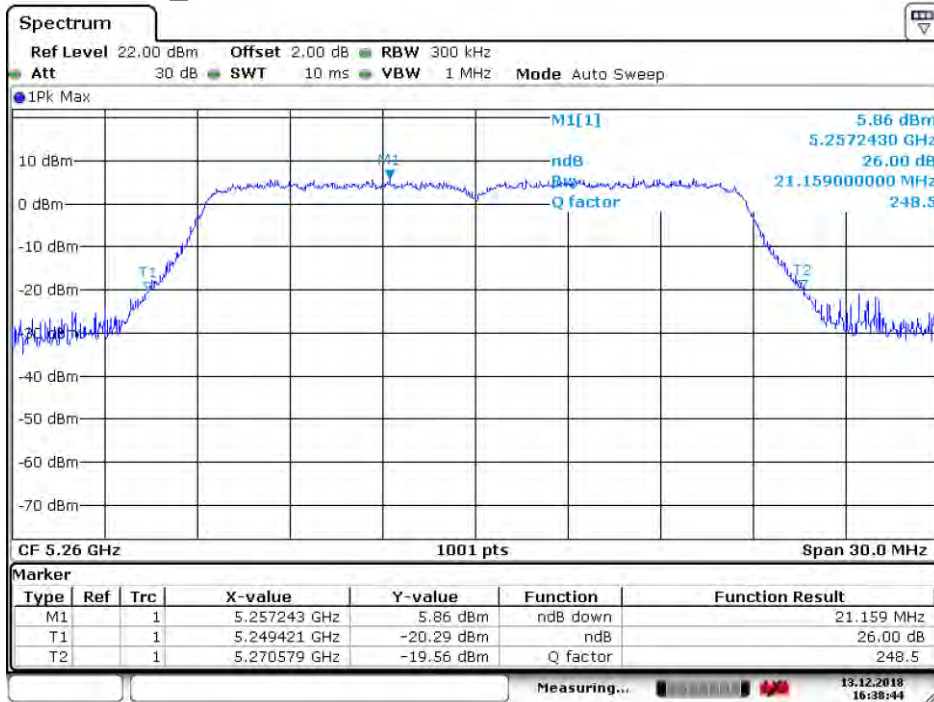
4.5.2.75   11AC20_48 ANT 2
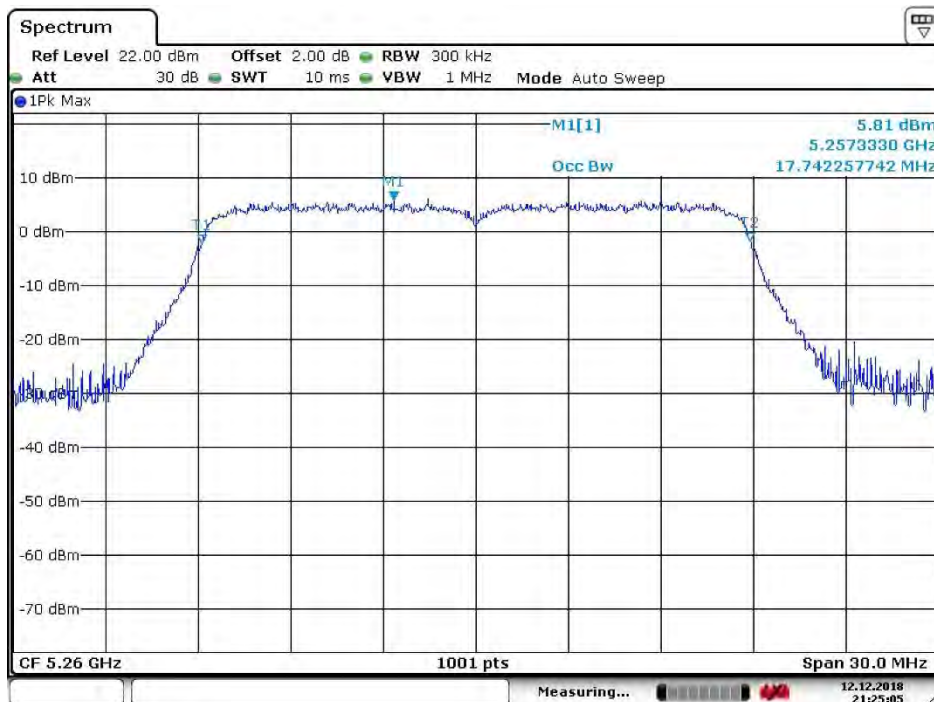

Date: 13.DEC.2018 16:38:30

Date: 12.DEC.2018 21:24:49

4.5.2.76 11AC20_52 ANT 2

Date: 13.DEC.2018 16:38:45

Date: 12.DEC.2018 21:25:05

4.5.2.77   11AC20_60 ANT 2

Date: 13.DEC.2018 16:38:55
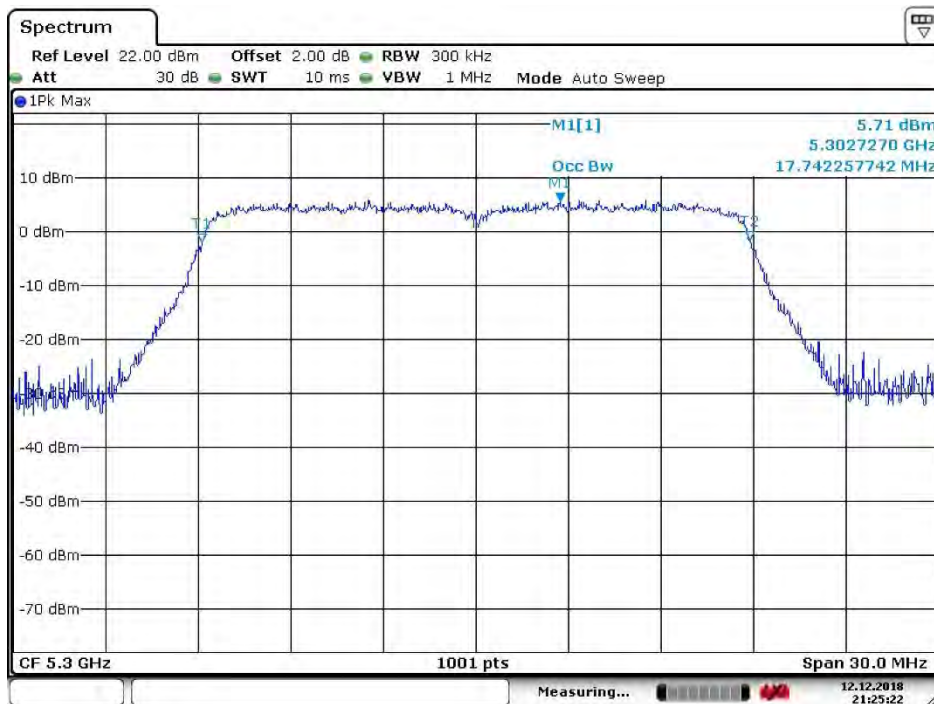
Date: 12.DEC.2018 21:25:22

4.5.2.78   11AC20_64 ANT 2

Date: 13.DEC.2018 16:39:11

Date: 12.DEC.2018 21:25:43

4.5.2.79 11AC20_100 ANT 2
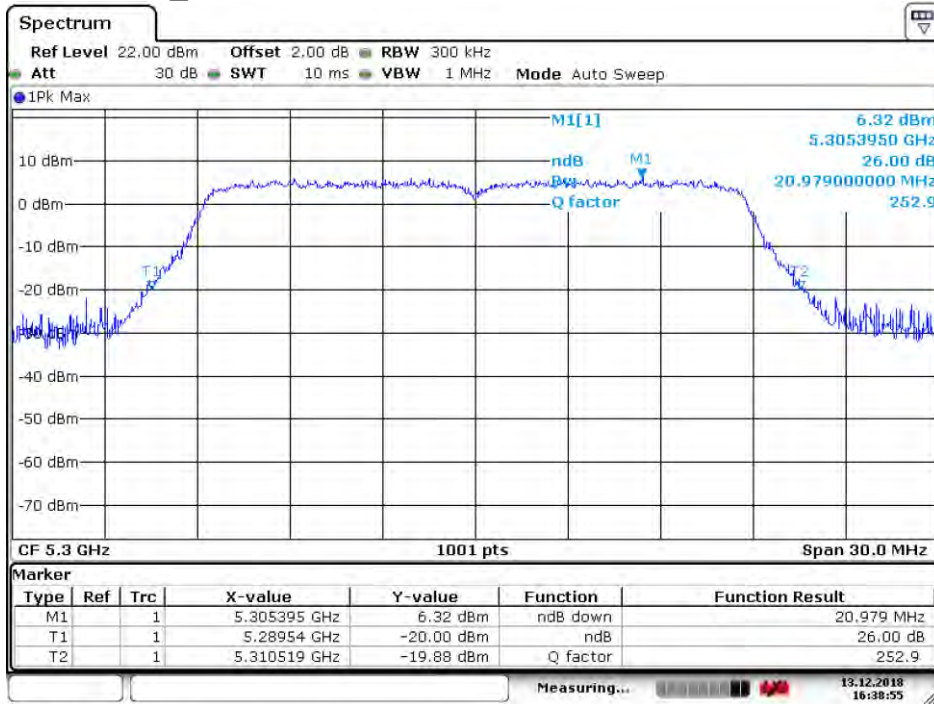

Date: 13.DEC.2018 16:39:22
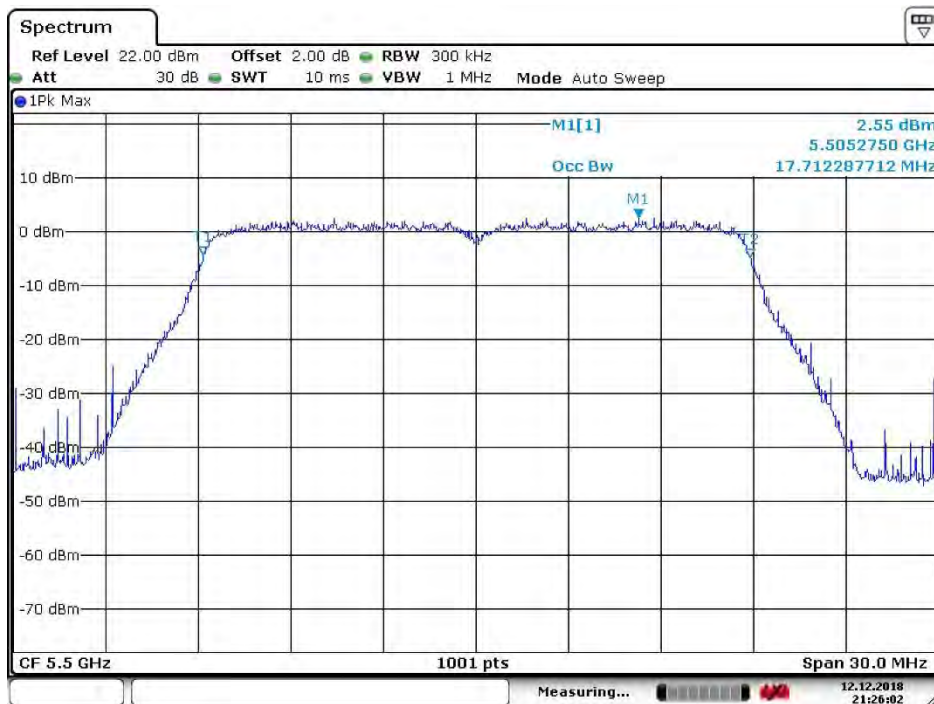
Date: 12.DEC.2018 21:26:03

4.5.2.80 11AC20_116 ANT 2
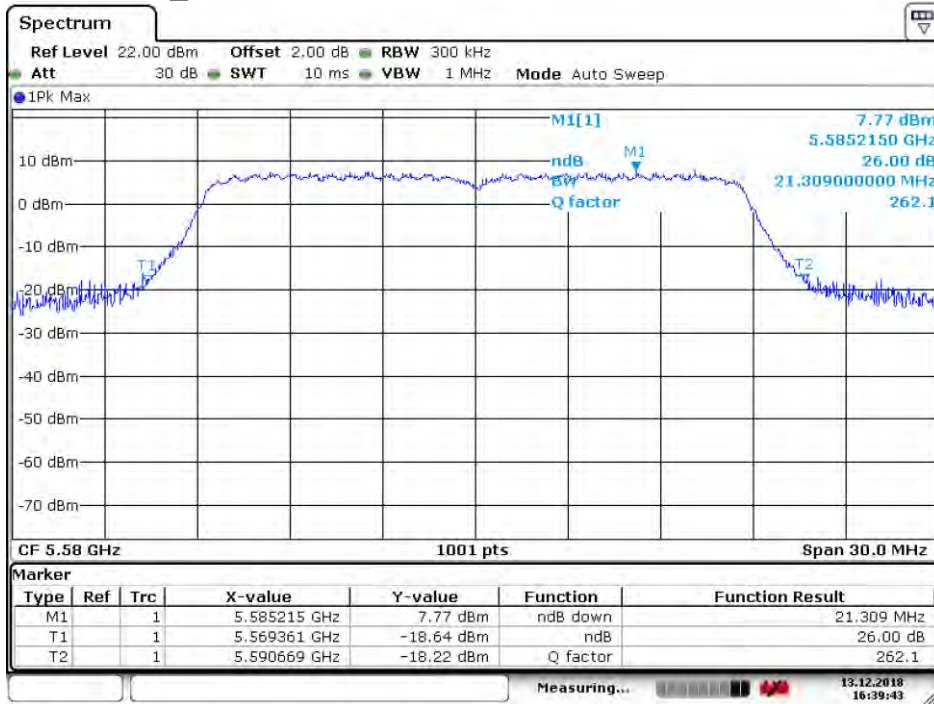
Date: 13.DEC.2018 16:39:44
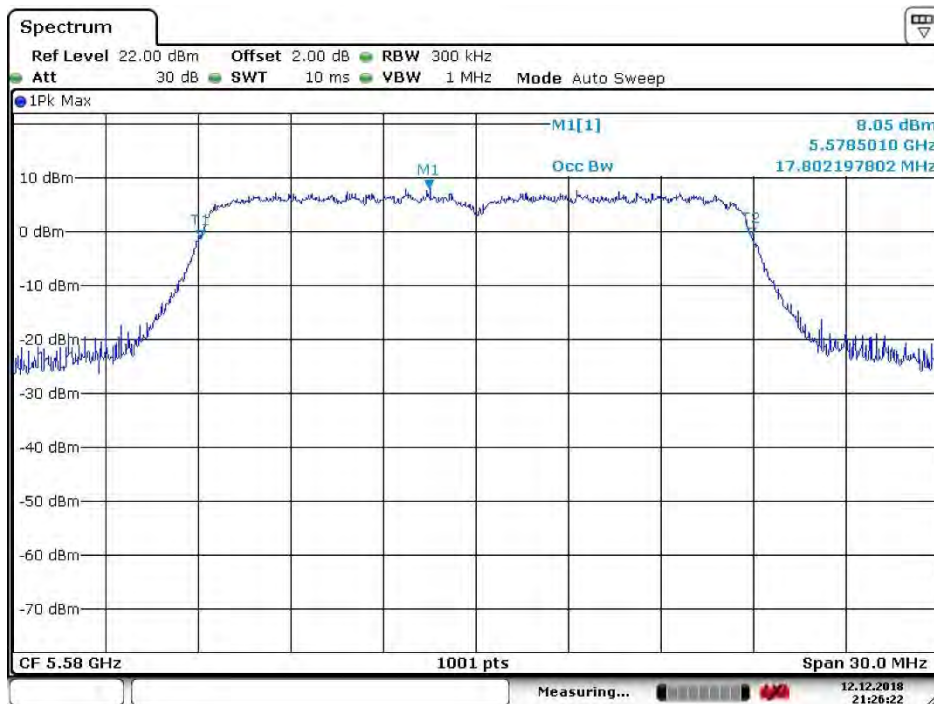
Date: 12.DEC.2018 21:26:22

4.5.2.81   11AC20_140 ANT 2
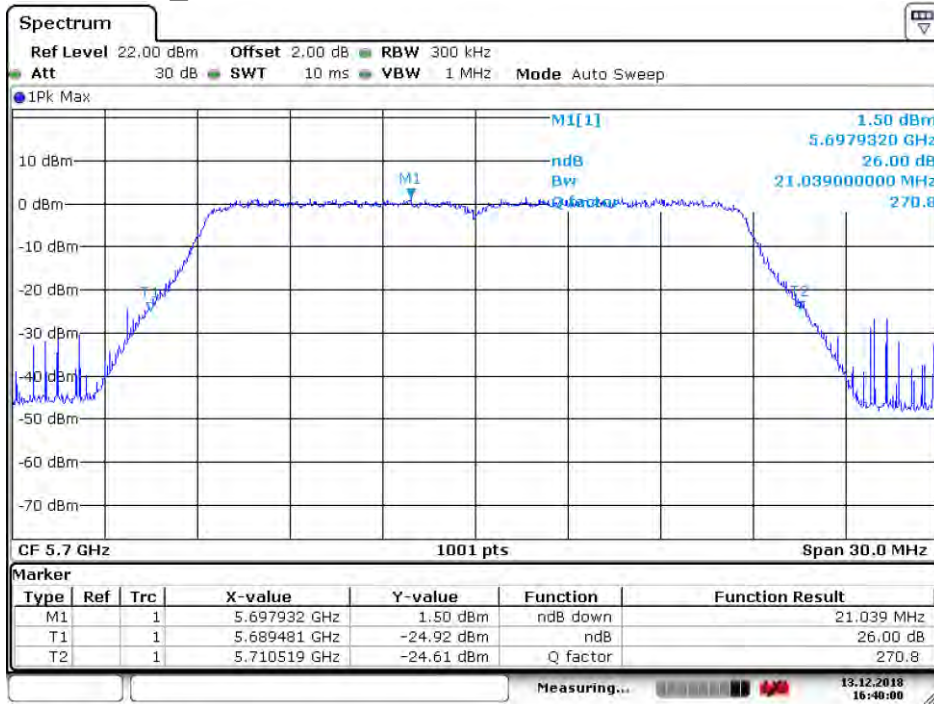
Date: 13.DEC.2018 16:40:01
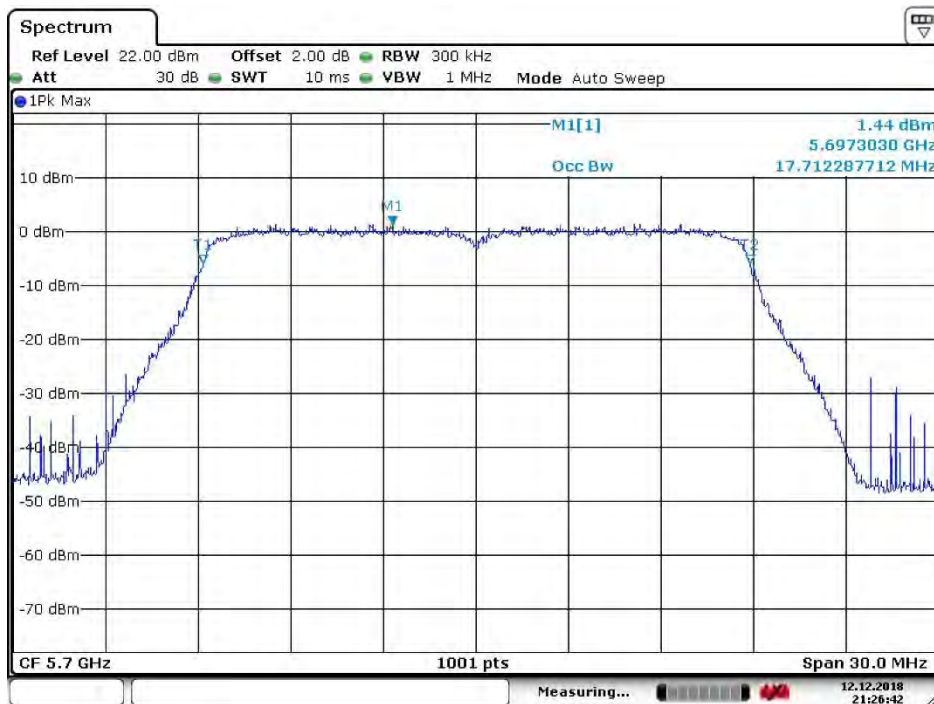
Date: 12.DEC.2018 21:26:42

4.5.2.82 11AC40_38 ANT 2

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.204026 GHz	-0.87 dBm	ndB down	42.318 MHz
T1		1	5.168901 GHz	-27.16 dBm	ndB	26.00 dB
T2		1	5.211219 GHz	-27.26 dBm	Q factor	123.0
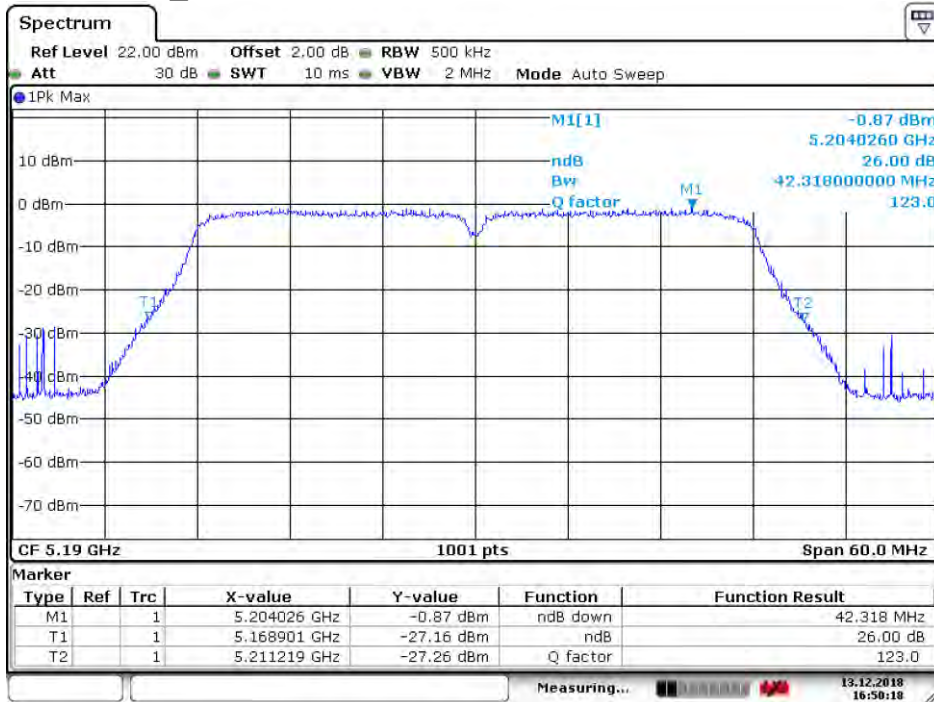
Date: 13.DEC.2018 16:50:18
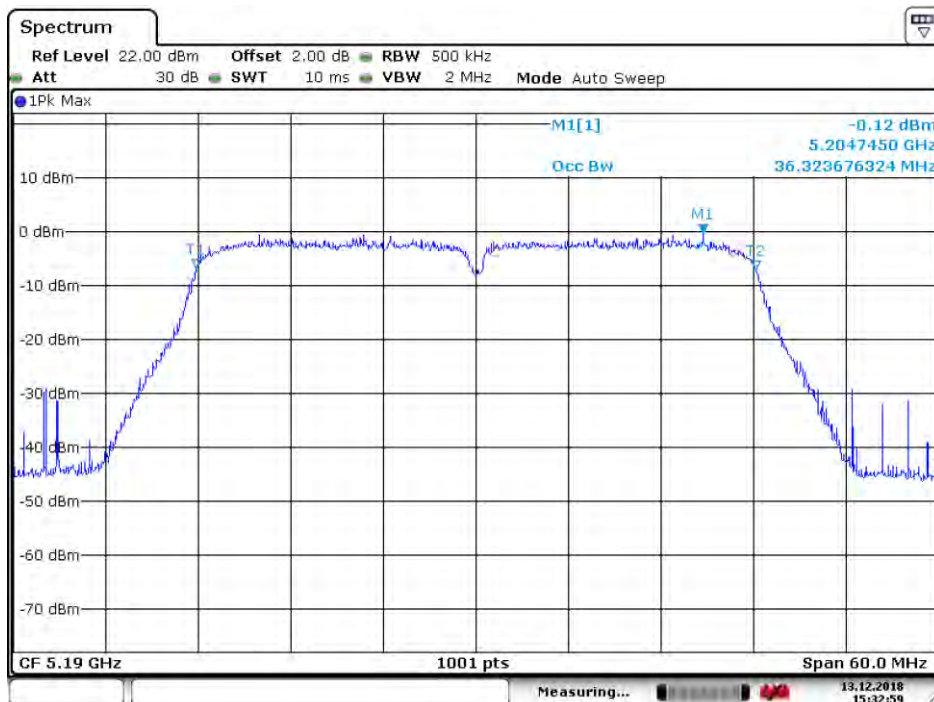
Date: 13.DEC.2018 15:32:59
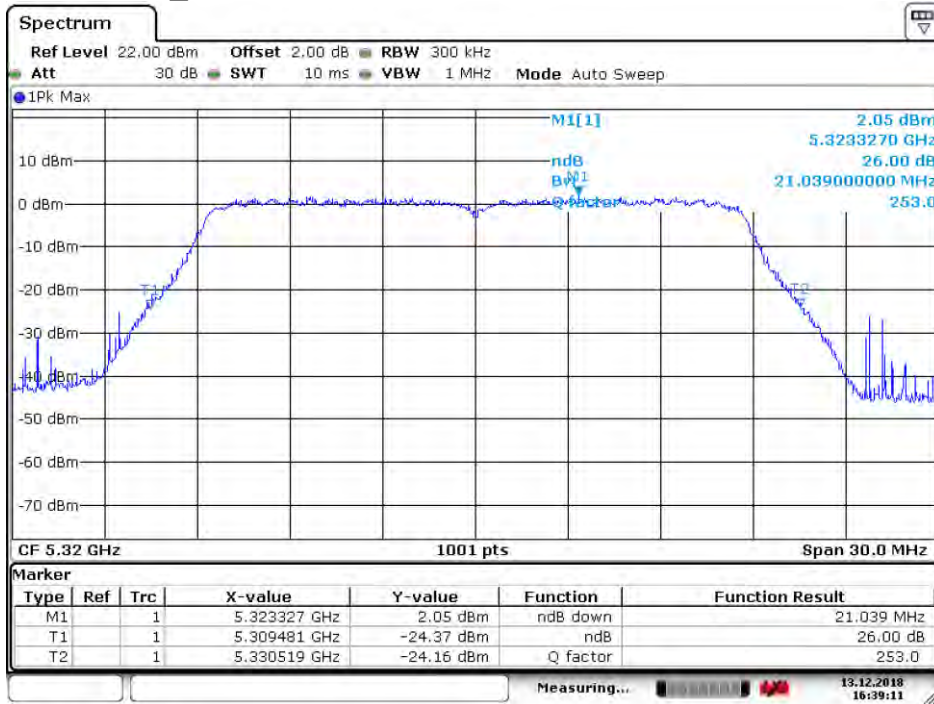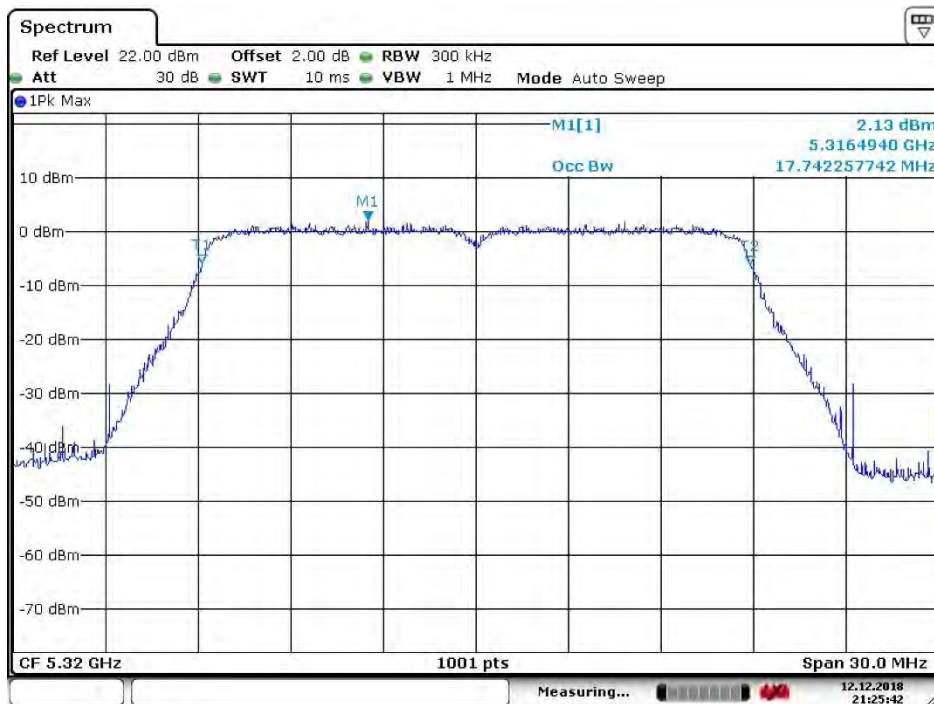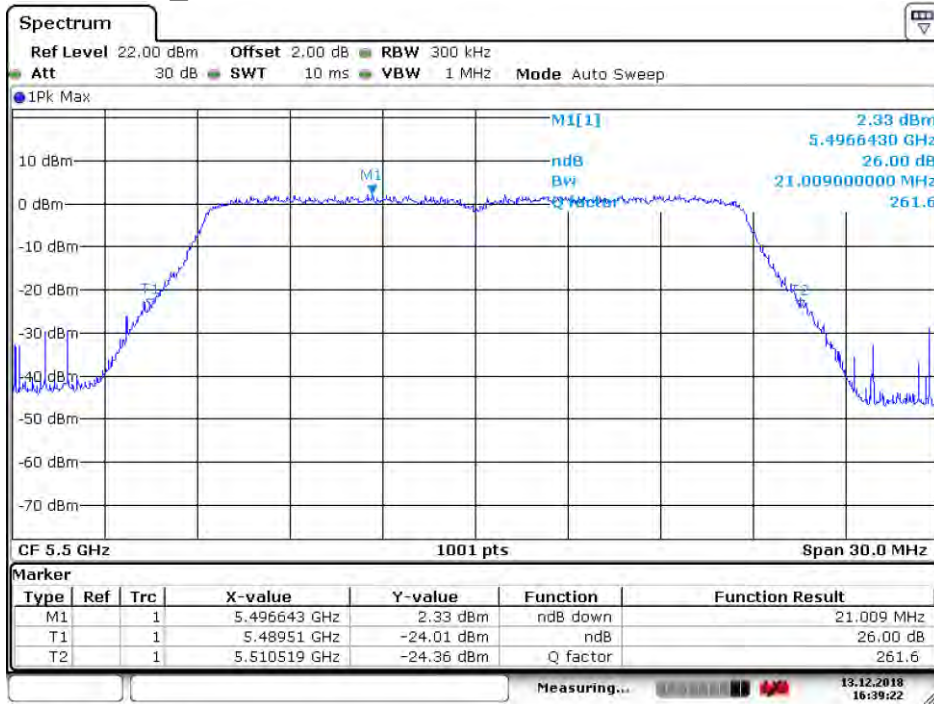
4.5.2.83   11AC40_46 ANT 2

Date: 13.DEC.2018 16:50:50

Date: 13.DEC.2018 15:33:25

4.5.2.84   11AC40_54 ANT 2

Date: 13.DEC.2018 16:51:07
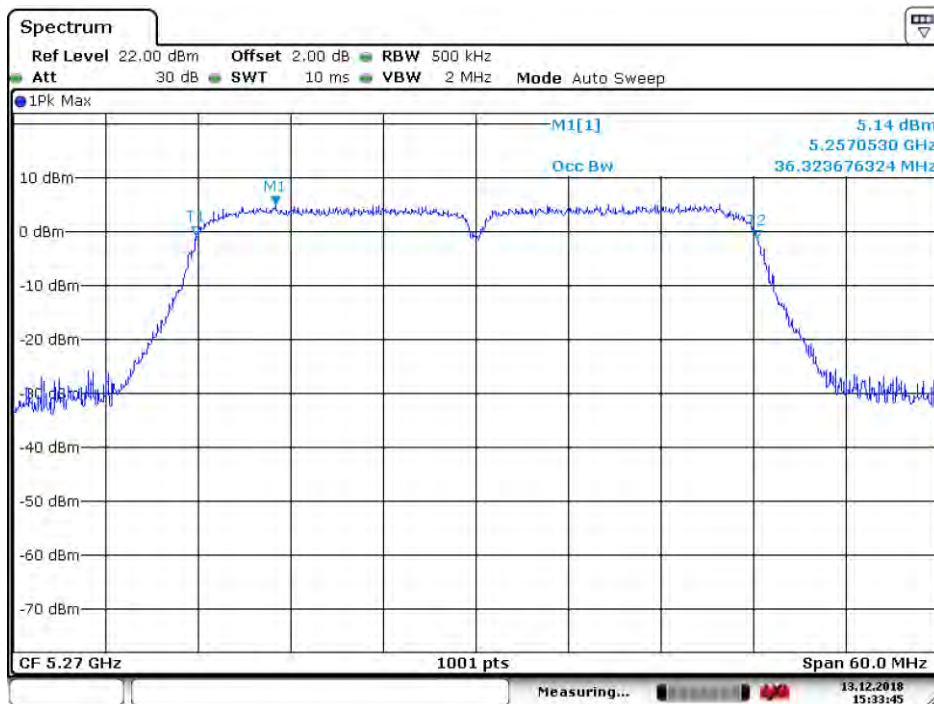
Date: 13.DEC.2018 15:33:45

4.5.2.85   11AC40_62 ANT 2

Spectrum					
Ref Level 22.00 dBm	Offset 2.00 dB	RBW 500 kHz			
Att 30 dB	SWT 10 ms	VBW 2 MHz	Mode Auto Sweep		

M1[1] 0.07 dBm 5.3229470 GHz
ndB 26.00 dB
Bw 42.138000000 MHz
Q factor 126.3

CF 5.31 GHz   1001 pts   Span 60.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.322947 GHz	0.07 dBm	ndB down	42.138 MHz
T1		1	5.288901 GHz	-26.81 dBm	ndB	26.00 dB
T2		1	5.331039 GHz	-25.45 dBm	Q factor	126.3

Date: 13.DEC.2018 16:51:32

Spectrum					
Ref Level 22.00 dBm	Offset 2.00 dB	RBW 500 kHz			
Att 30 dB	SWT 10 ms	VBW 2 MHz	Mode Auto Sweep		

M1[1] 0.11 dBm 5.3126970 GHz
Occ Bw 36.323676324 MHz

CF 5.31 GHz   1001 pts   Span 60.0 MHz

Date: 13.DEC.2018 15:34:04

4.5.2.86 11AC40_102 ANT 2

Date: 13.DEC.2018 16:51:59

Date: 13.DEC.2018 15:34:25

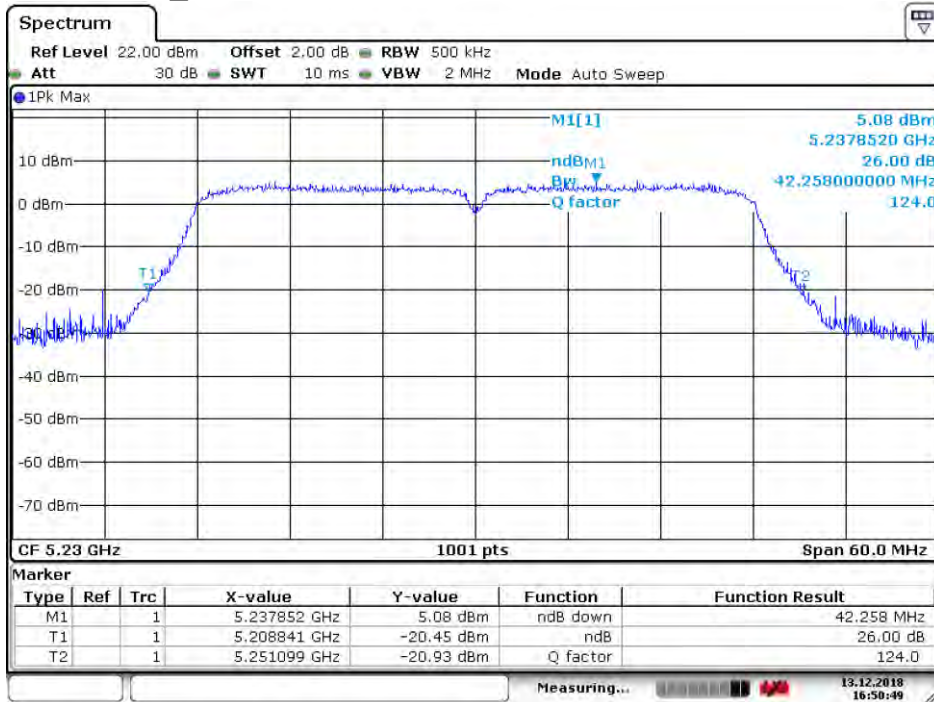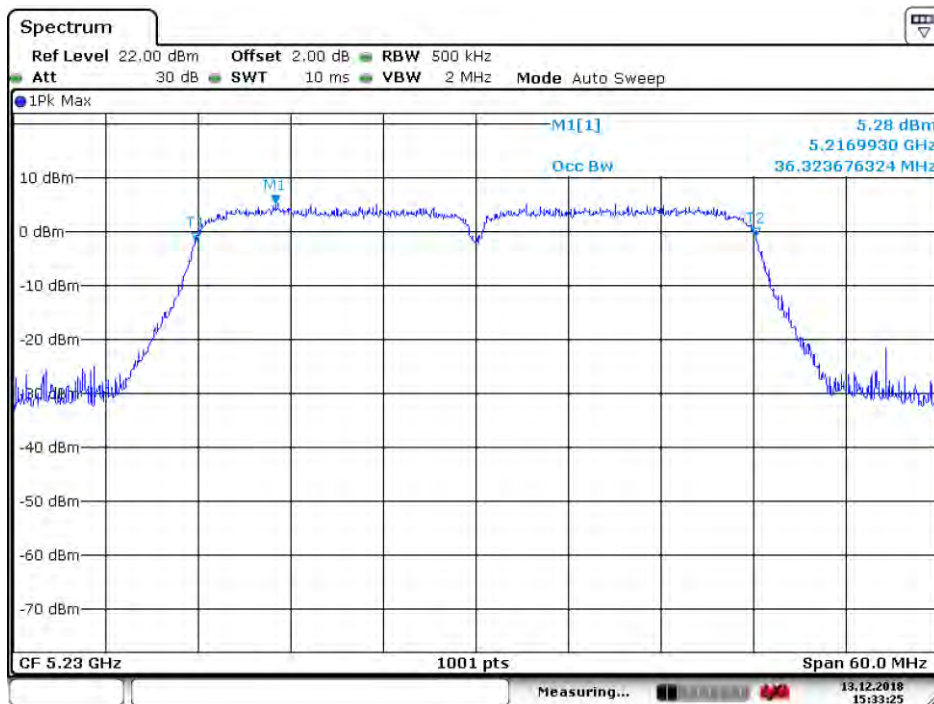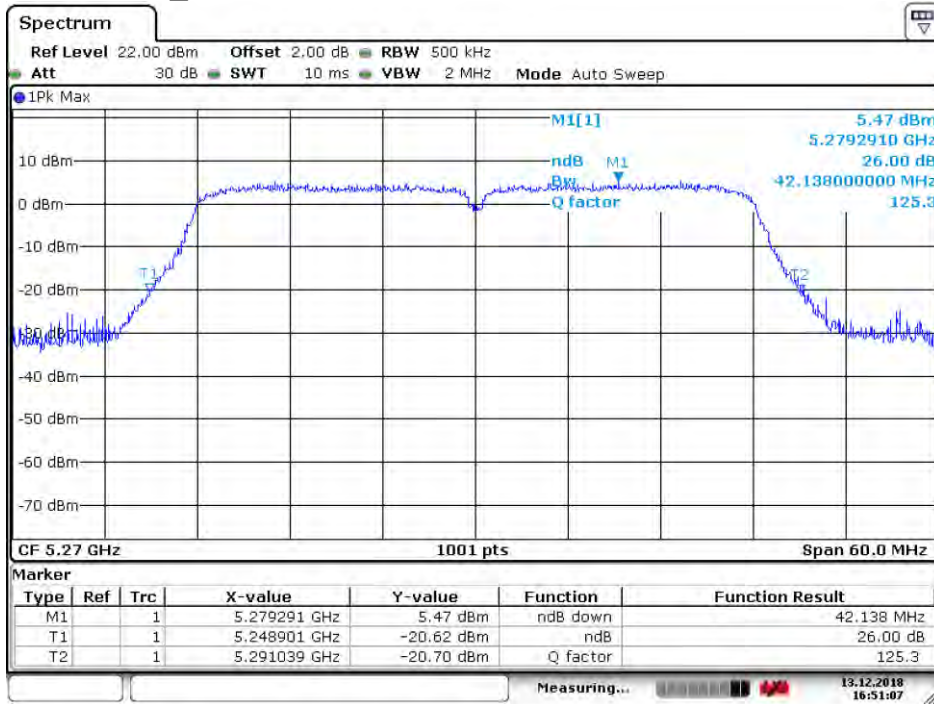### 4.5.2.87   11AC40_110 ANT 2

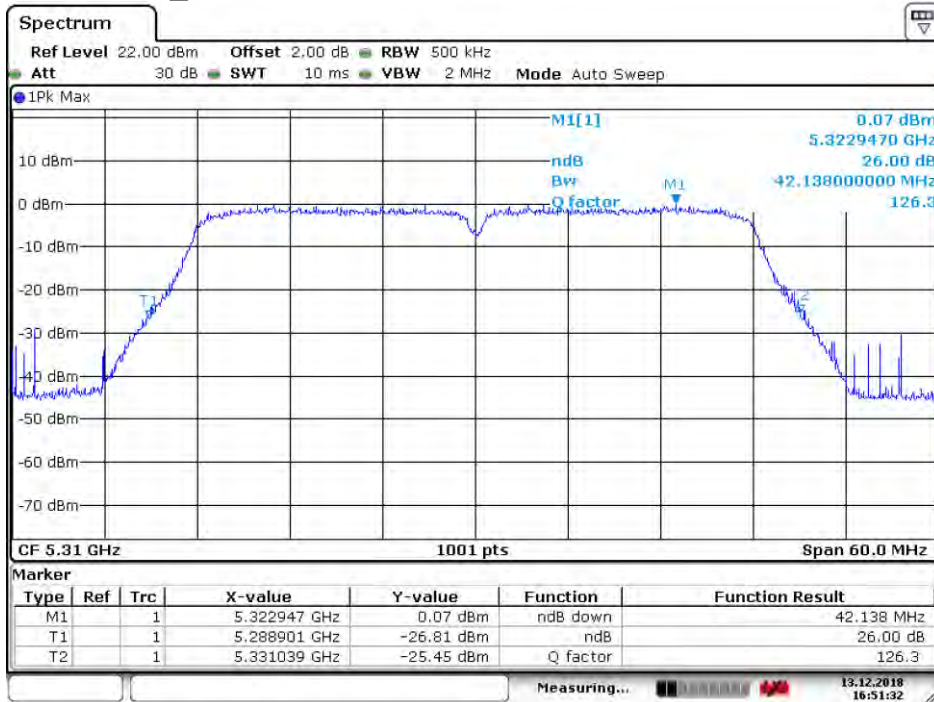Date: 13.DEC.2018 16:52:23
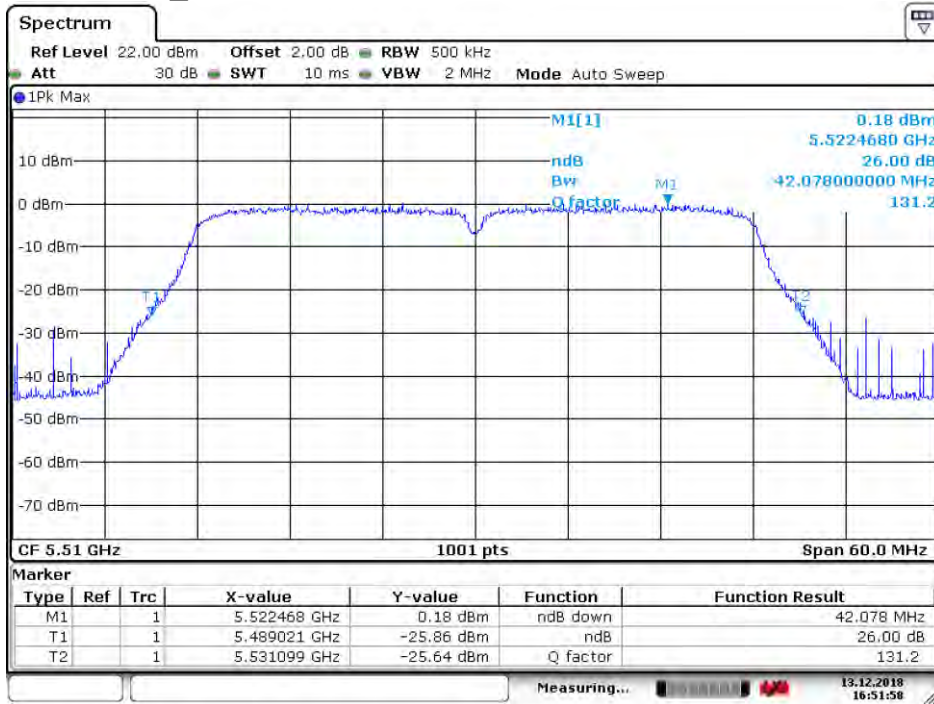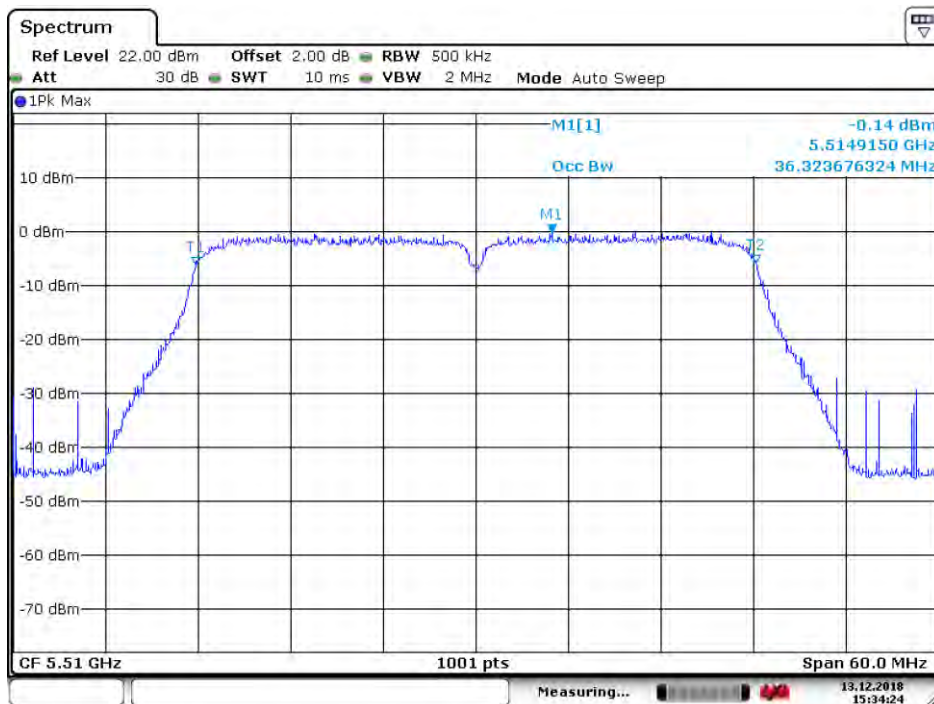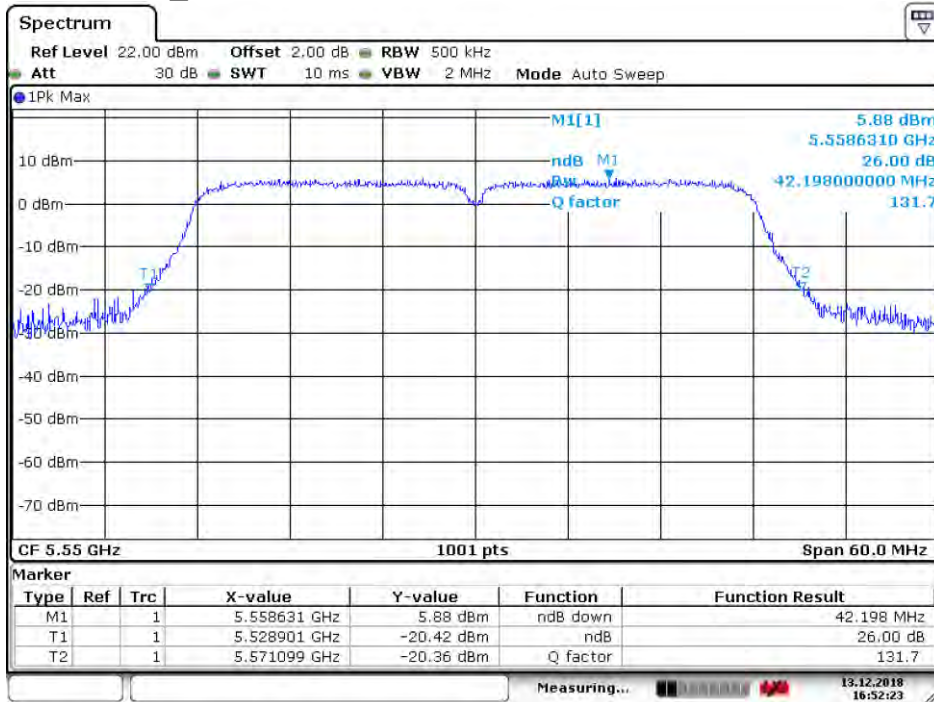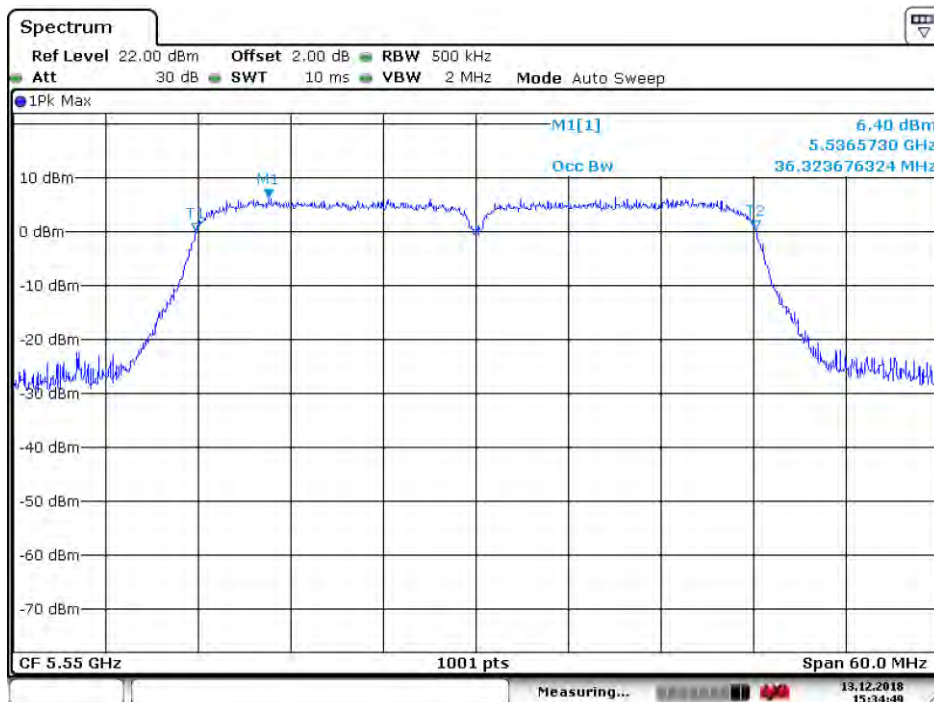

Date: 13.DEC.2018 15:34:49

4.5.2.88　　11AC40_134 ANT 2

Date: 13.DEC.2018 16:52:47
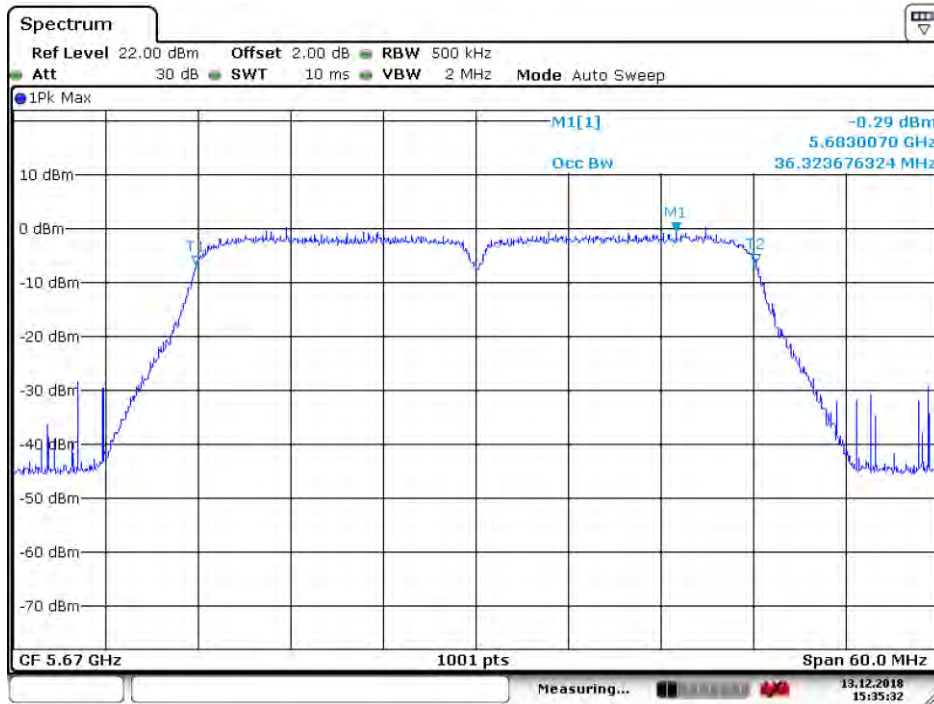
Date: 13.DEC.2018 15:35:32

4.5.2.89 11AC80_42 ANT 2

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18327 GHz	-0.36 dBm	ndB down	85.11 MHz
T1		1	5.16756 GHz	-26.40 dBm	ndB	26.00 dB
T2		1	5.25268 GHz	-26.90 dBm	Q factor	60.9

Date: 13.DEC.2018 16:55:43

Date: 13.DEC.2018 15:38:25

4.5.2.90　11AC80_58 ANT 2

Marker						
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.31973 GHz	-0.15 dBm	ndB down	85.23 MHz
T1		1	5.24768 GHz	-26.06 dBm	ndB	26.00 dB
T2		1	5.33292 GHz	-26.04 dBm	Q factor	62.4
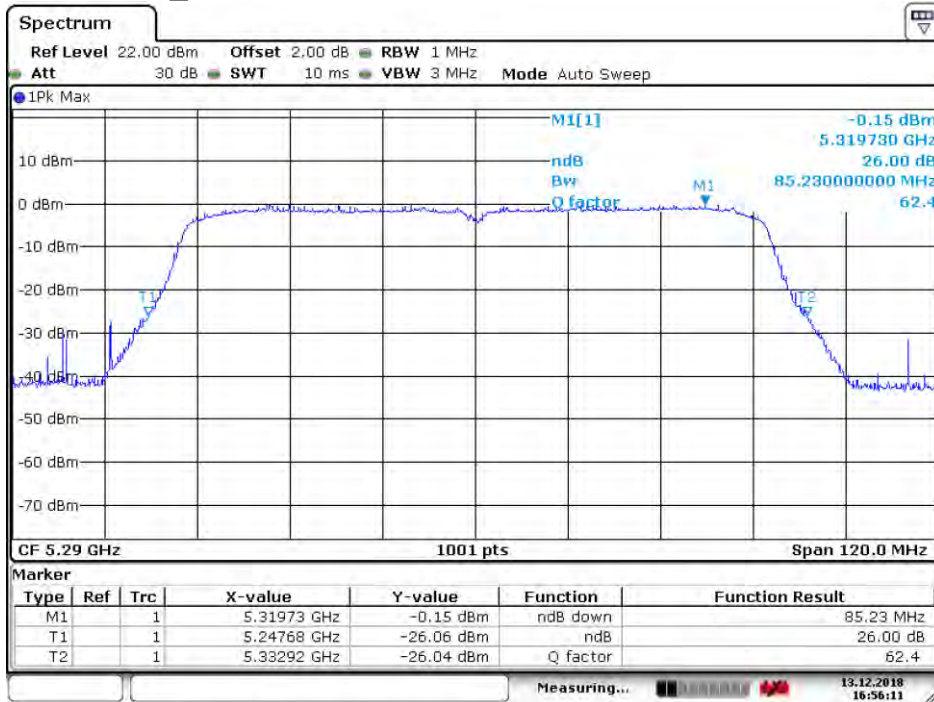
Date: 13.DEC.2018 16:56:12

Date: 13.DEC.2018 15:38:57
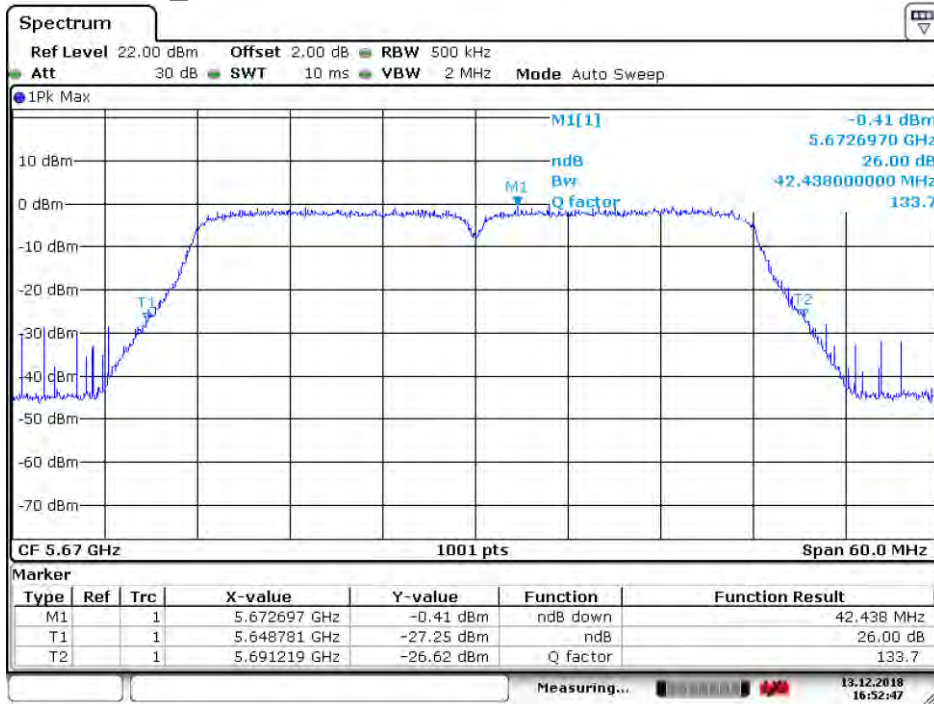
4.5.2.91   11AC80_106 ANT 2

Date: 13.DEC.2018 16:56:26
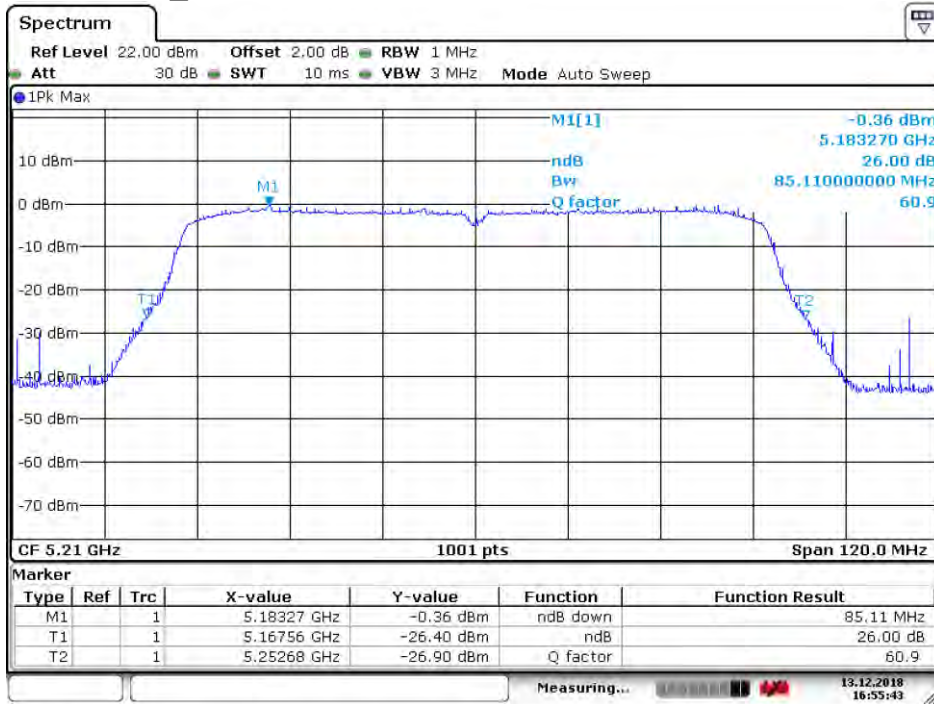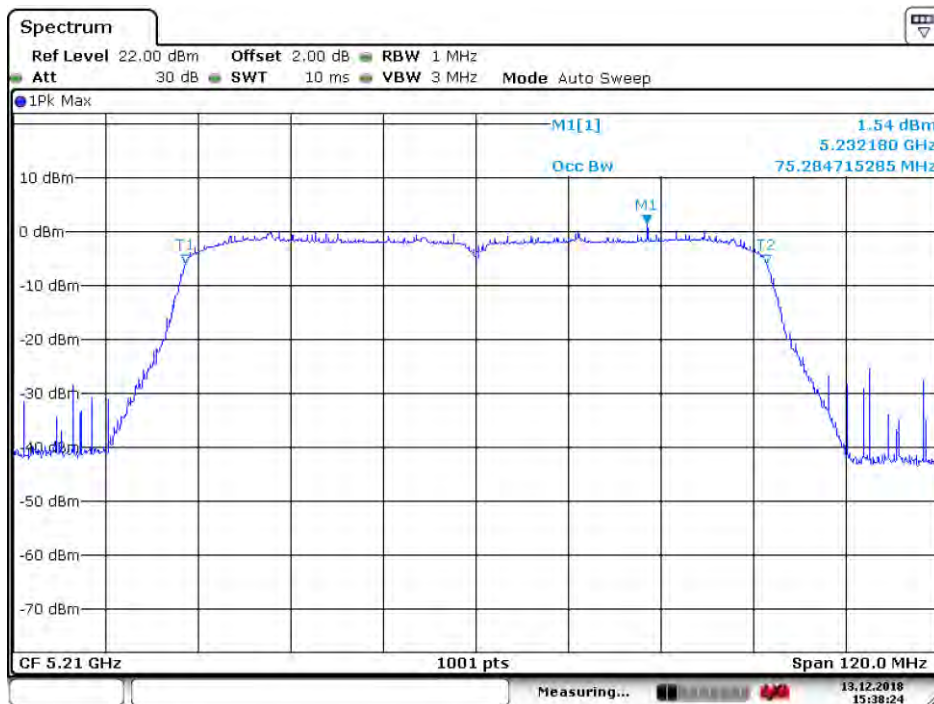

Date: 13.DEC.2018 15:39:29

4.5.2.92   11AC80_122 ANT 2
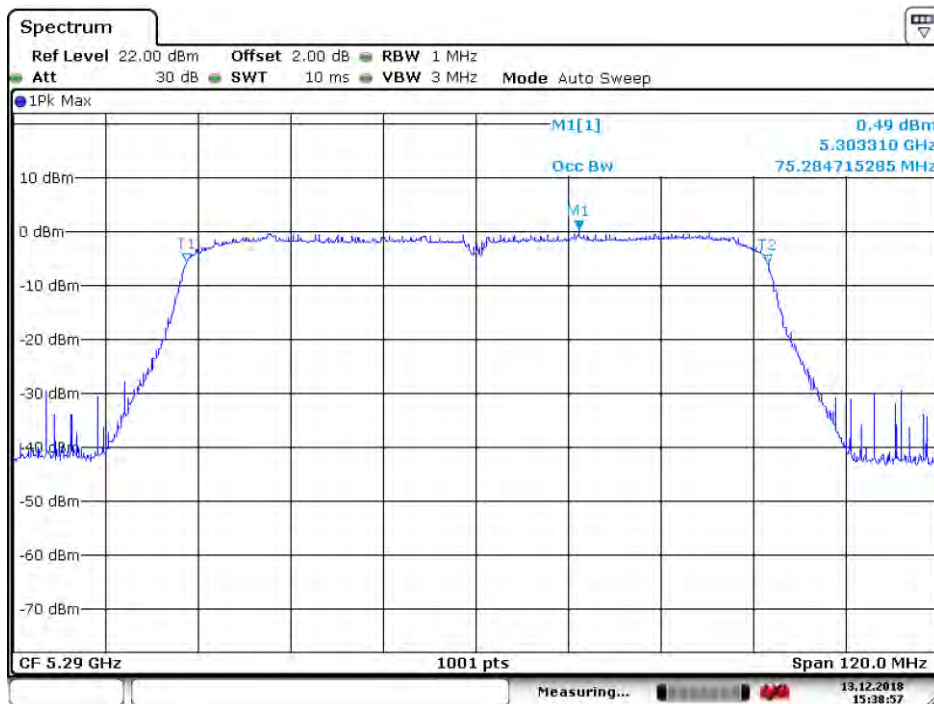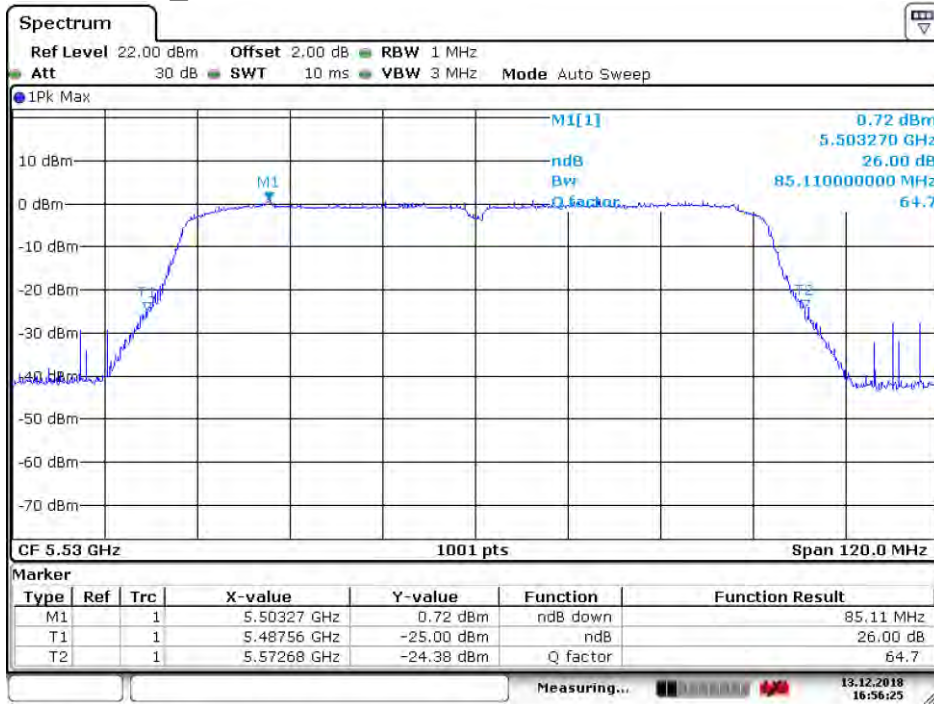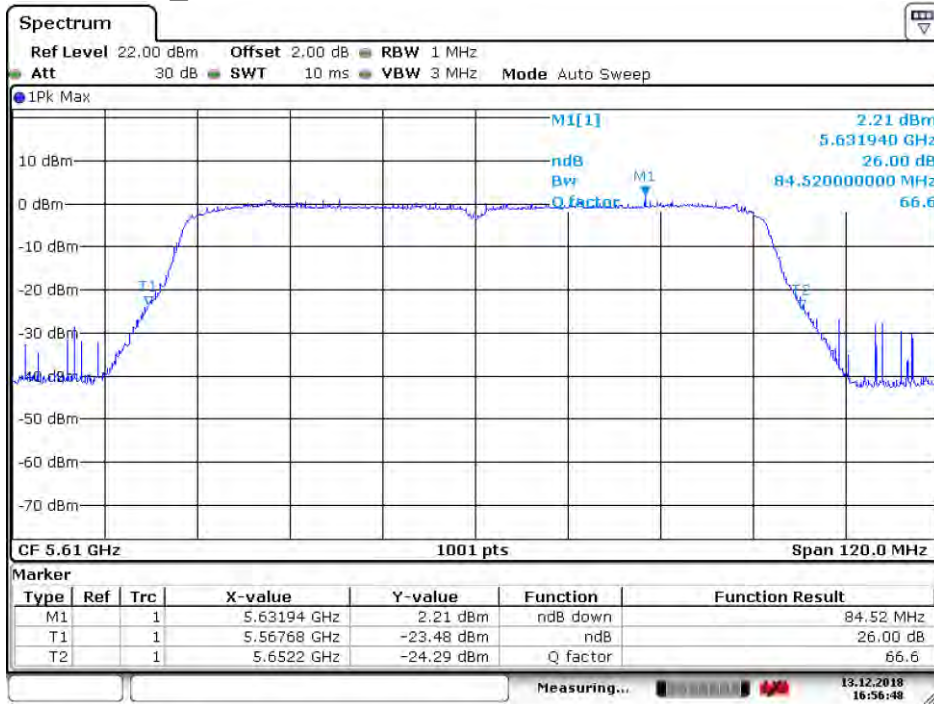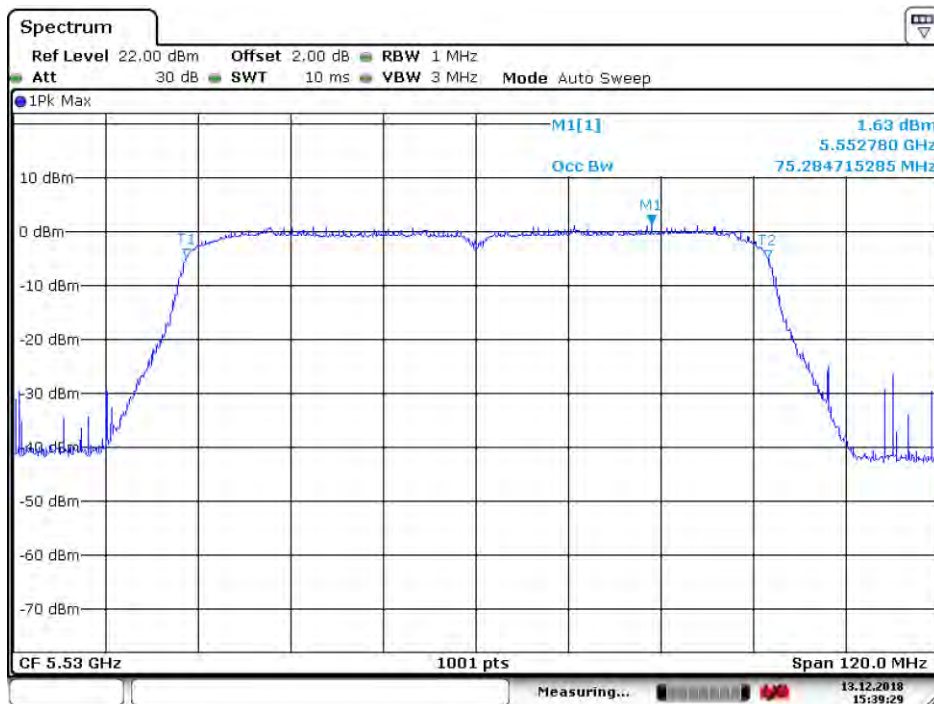

Date: 13.DEC.2018 16:56:48

Date: 13.DEC.2018 15:39:29

4.5.2.93   11AC160_50 ANT 2
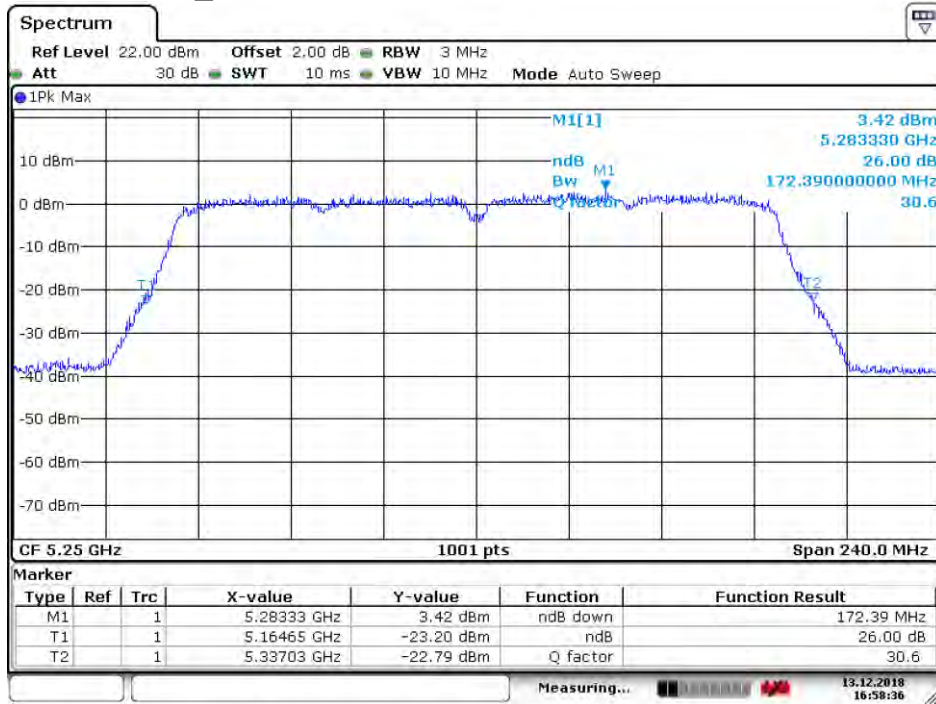
Date: 13.DEC.2018 16:58:36
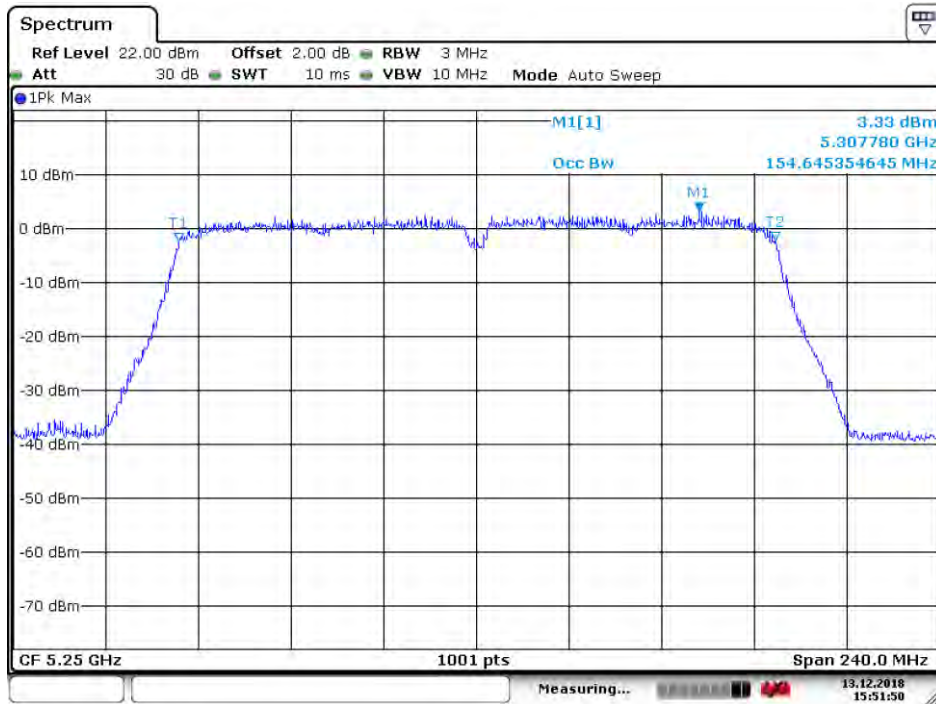
Date: 13.DEC.2018 15:51:50

4.5.2.94   11AC160_114 ANT 2
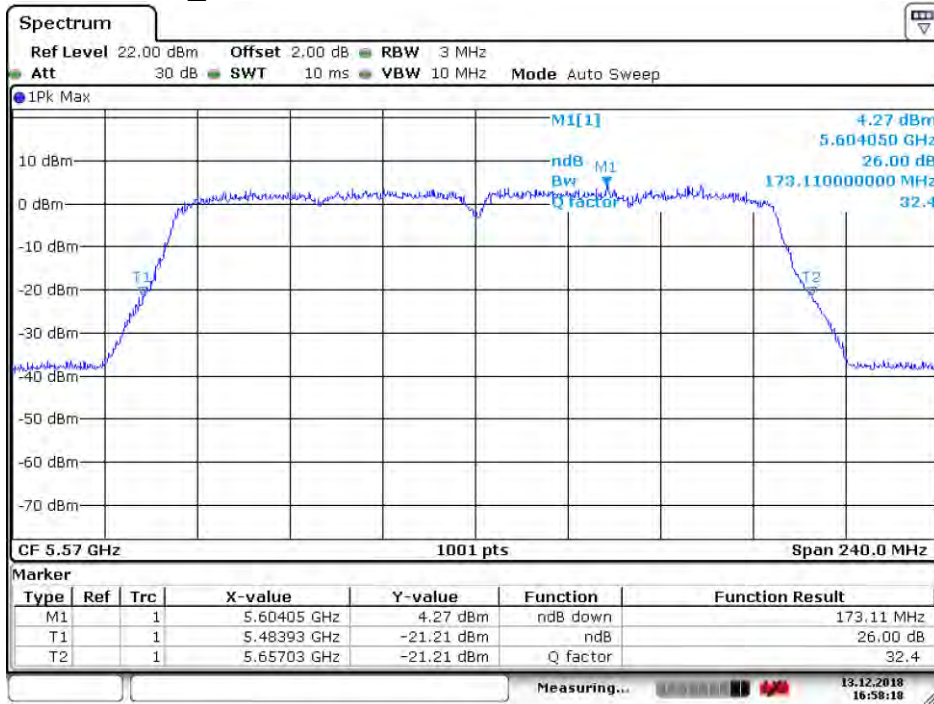
Date: 13.DEC.2018 16:58:18
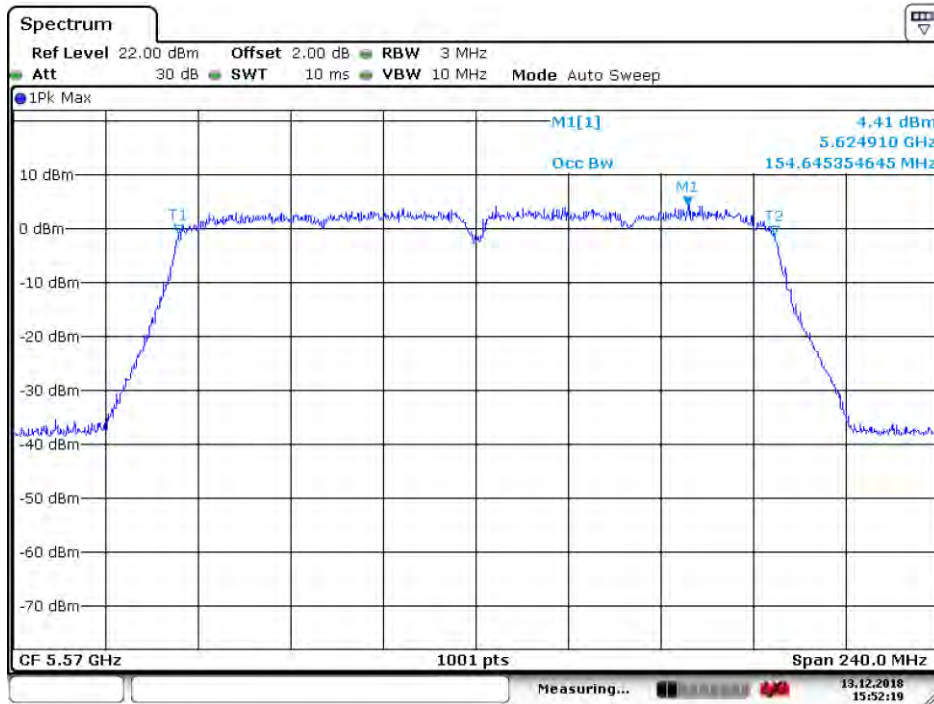
Date: 13.DEC.2018 15:52:19

4.5.2.95   11A20_CDD_36 ANT 1

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.185395 GHz	1.77 dBm	ndB down	20.829 MHz
T1		1	5.1696 GHz	-24.39 dBm	ndB	26.00 dB
T2		1	5.19043 GHz	-24.71 dBm	Q factor	248.9

Date: 14.DEC.2018 15:40:53
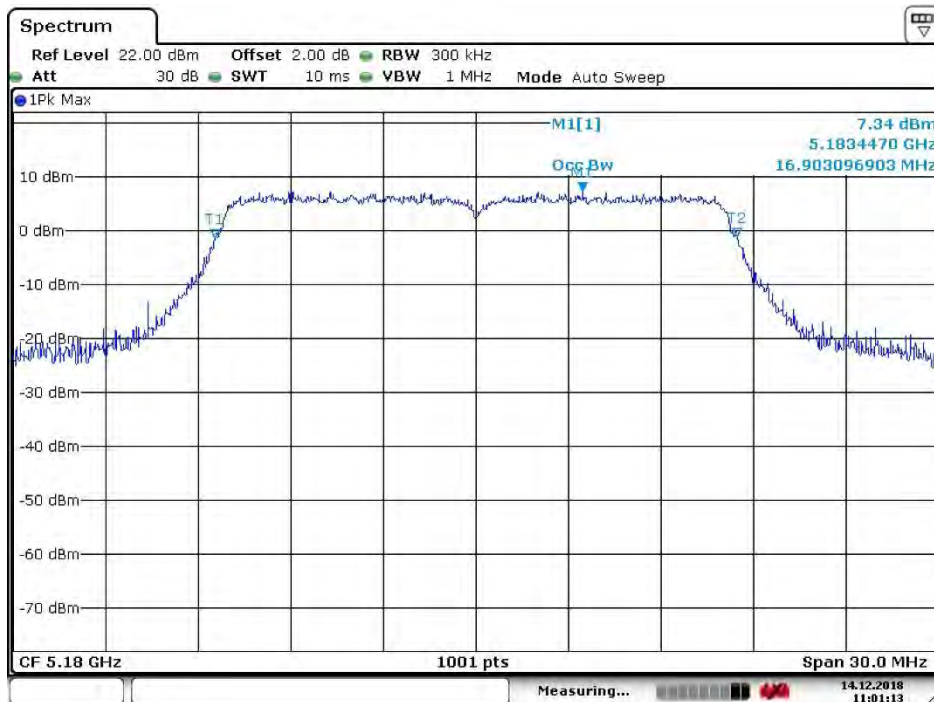
Date: 14.DEC.2018 11:01:13

4.5.2.96   11A20_CDD_44 ANT 1

Date: 14.DEC.2018 15:44:59
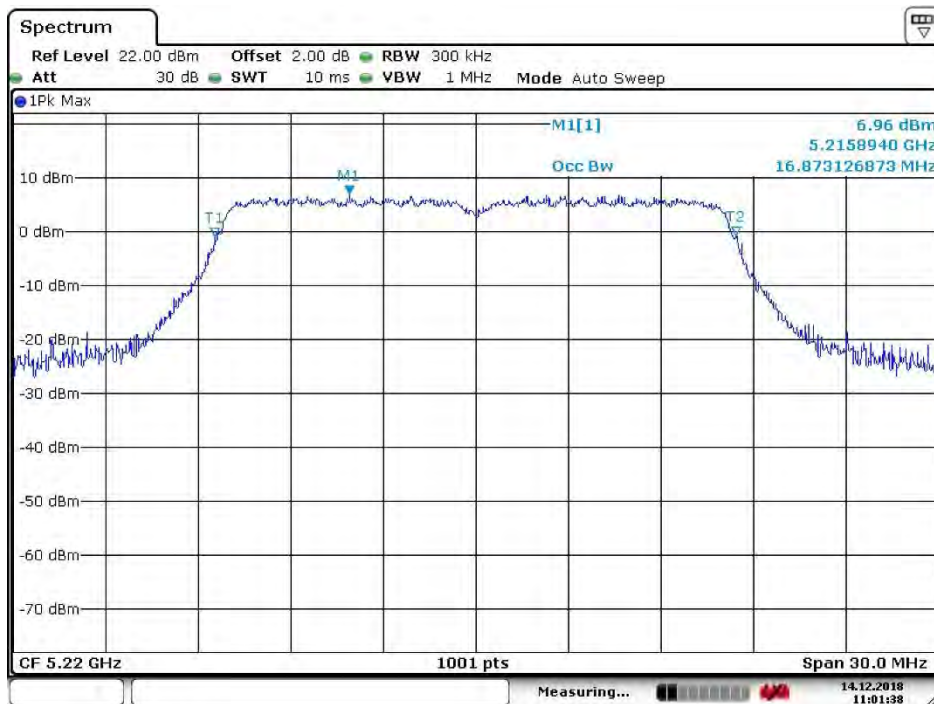
Date: 14.DEC.2018 11:01:38

4.5.2.97 11A20_CDD_48 ANT 1

Date: 14.DEC.2018 15:45:39
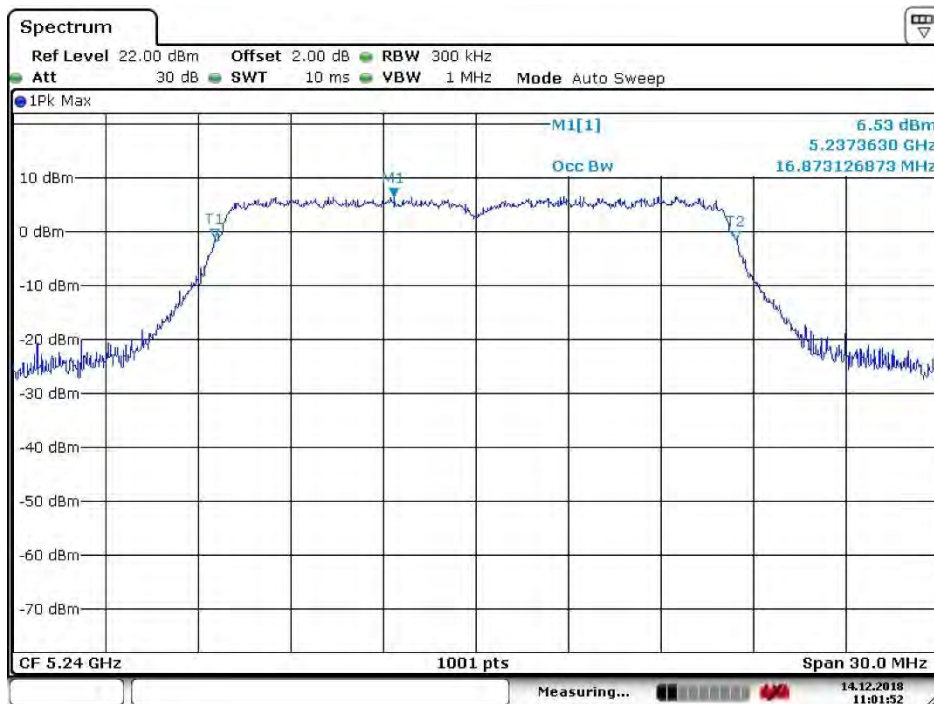
Date: 14.DEC.2018 11:01:52

4.5.2.98 11A20_CDD_52 ANT 1

Marker							
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.261588 GHz	7.05 dBm	ndB down	20.829 MHz
T1		1	5.2496 GHz	-18.97 dBm	ndB	26.00 dB
T2		1	5.27043 GHz	-19.25 dBm	Q factor	252.6

Date: 14.DEC.2018 15:46:05
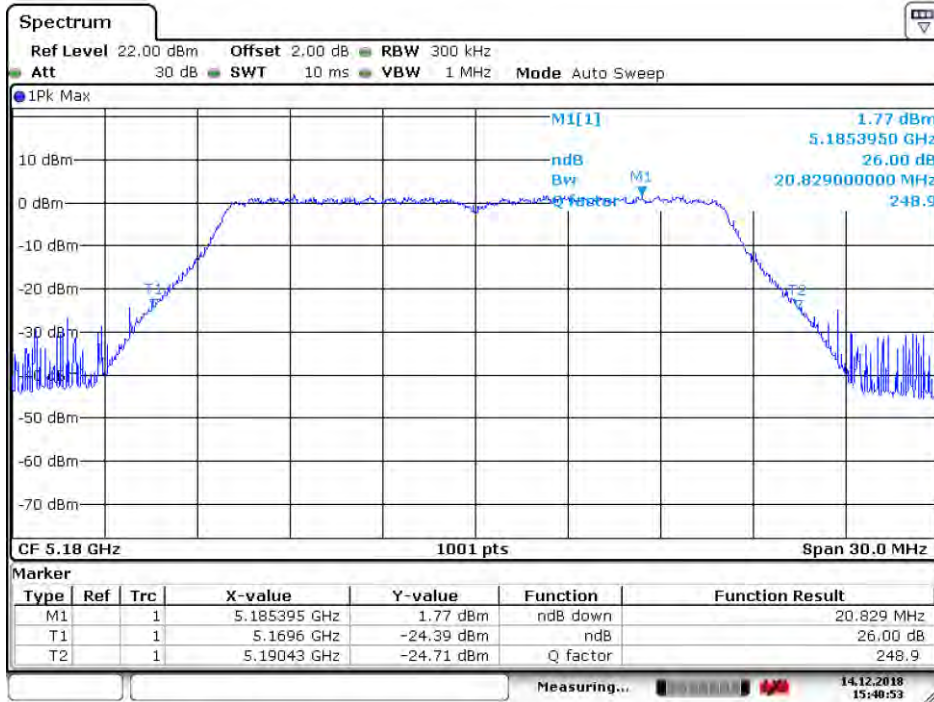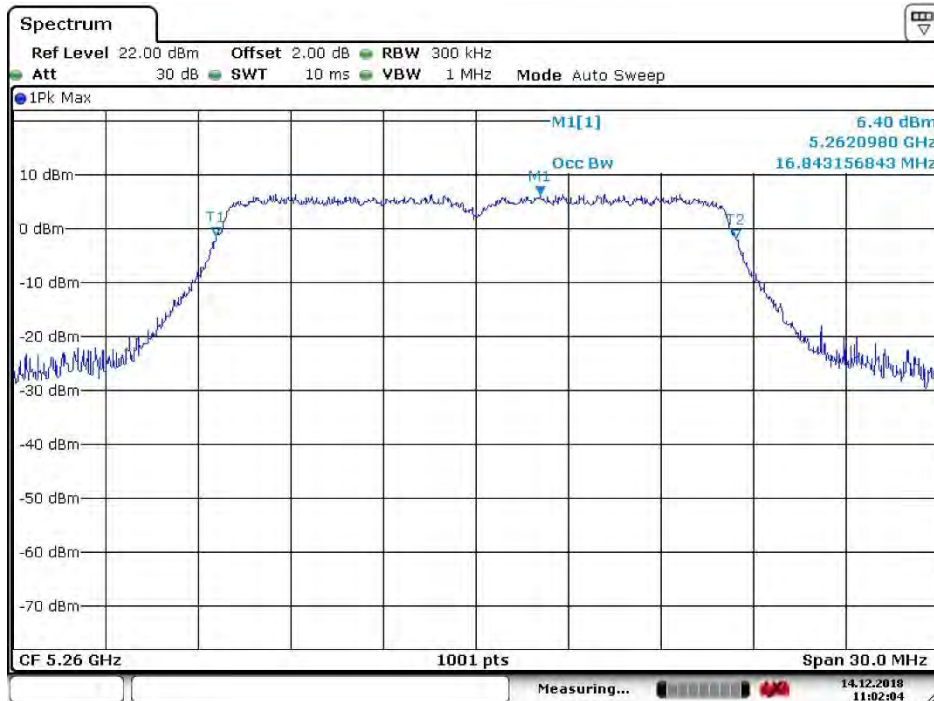

Date: 14.DEC.2018 11:02:04

4.5.2.99   11A20_CDD_60 ANT 1

Date: 14.DEC.2018 15:46:48
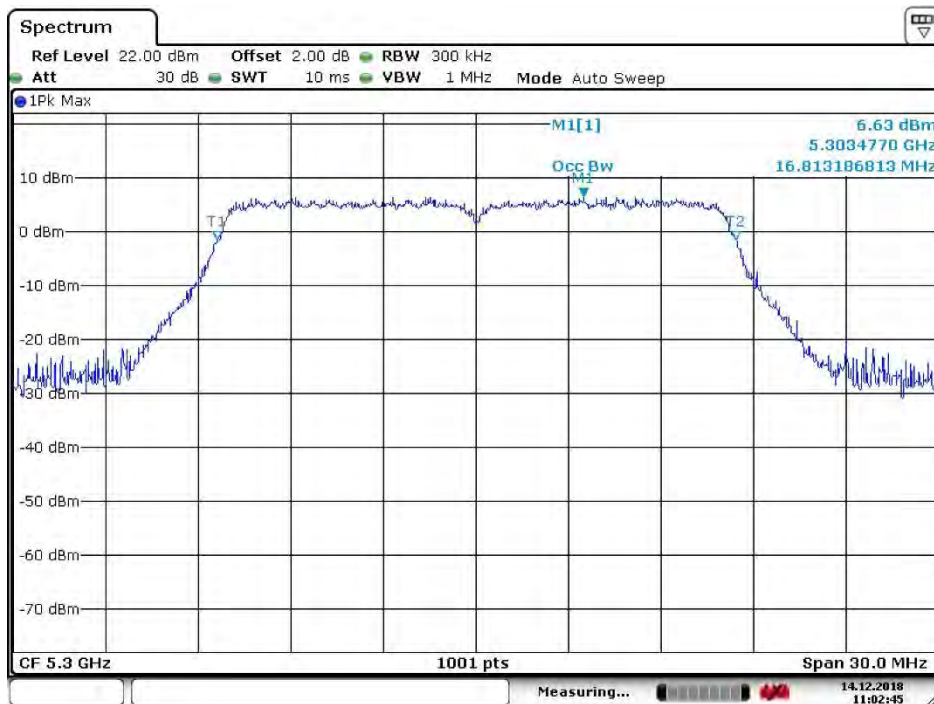
Date: 14.DEC.2018 11:02:46

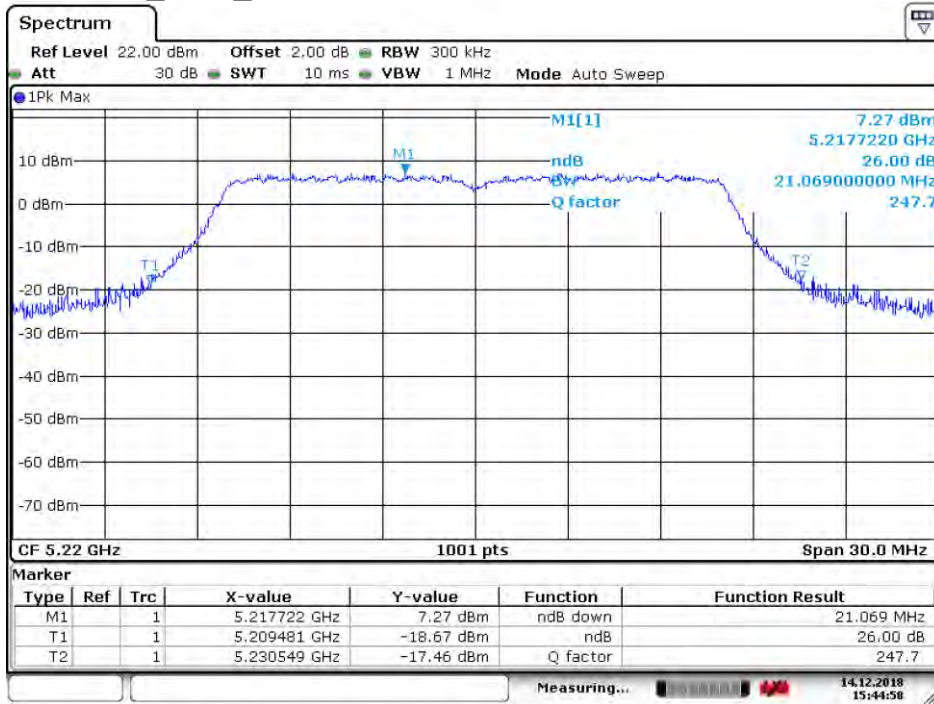### 4.5.2.100   11A20_CDD_64 ANT 1

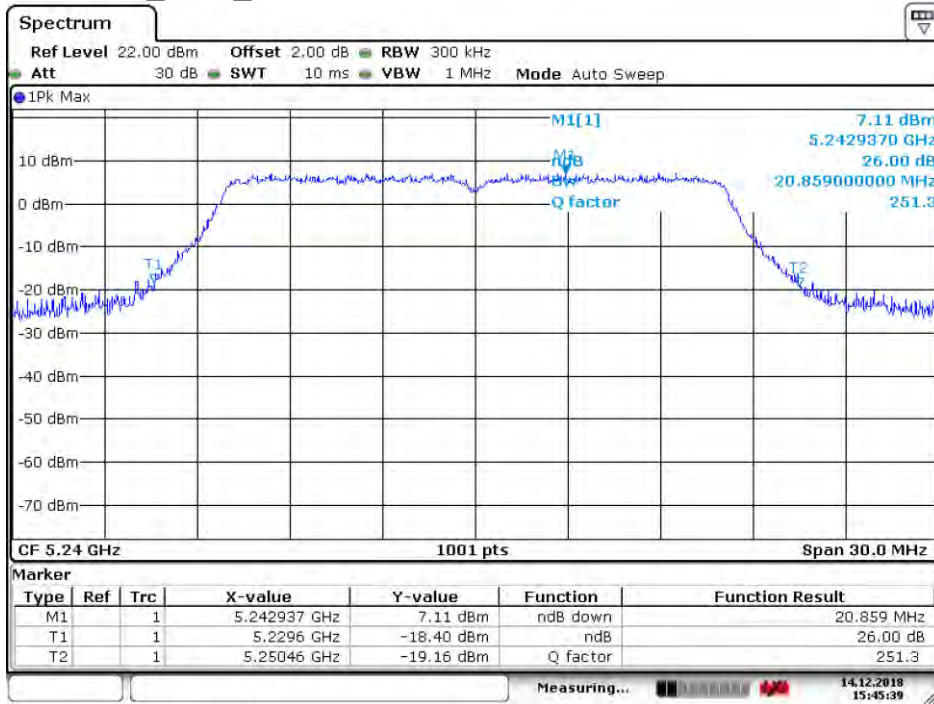Date: 14.DEC.2018 15:47:19
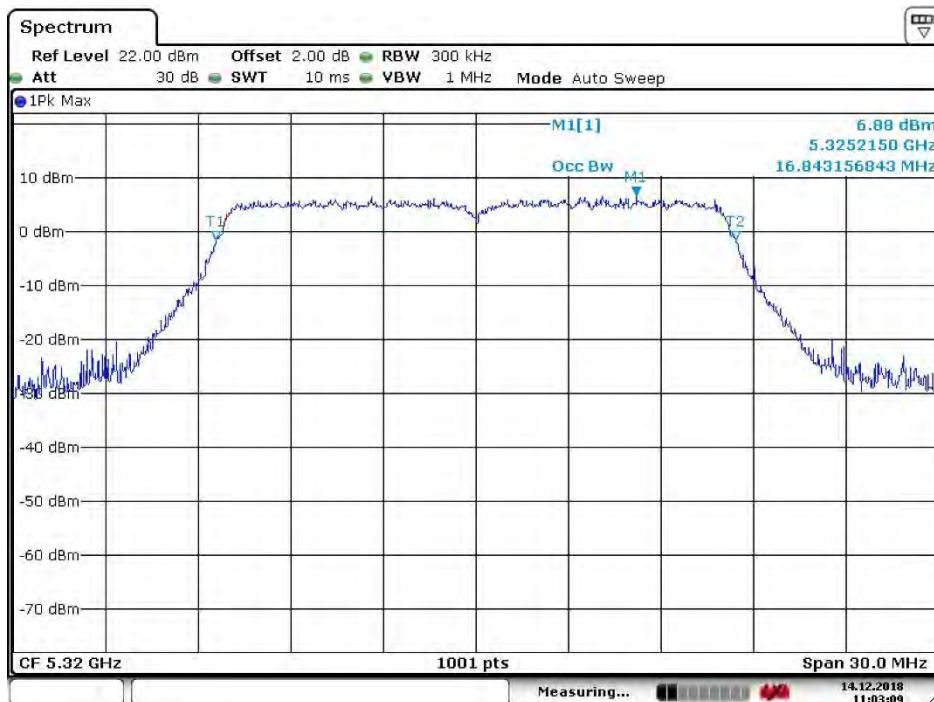
Date: 14.DEC.2018 11:03:09

4.5.2.101   11A20_CDD_100 ANT 1

Date: 14.DEC.2018 15:47:54
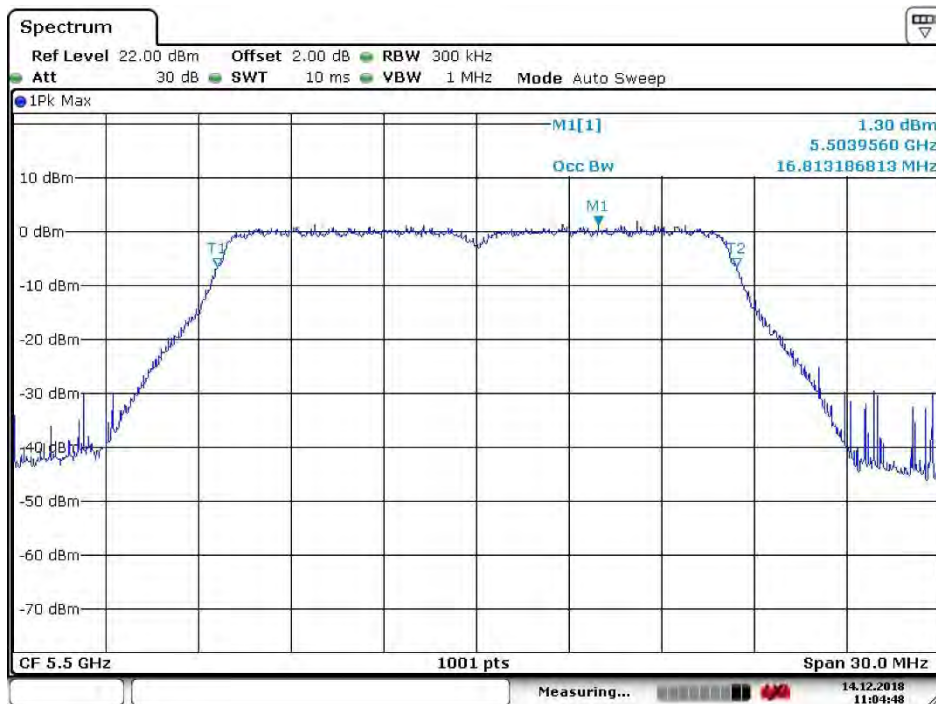
Date: 14.DEC.2018 11:04:48

4.5.2.102 11A20_CDD_116 ANT 1

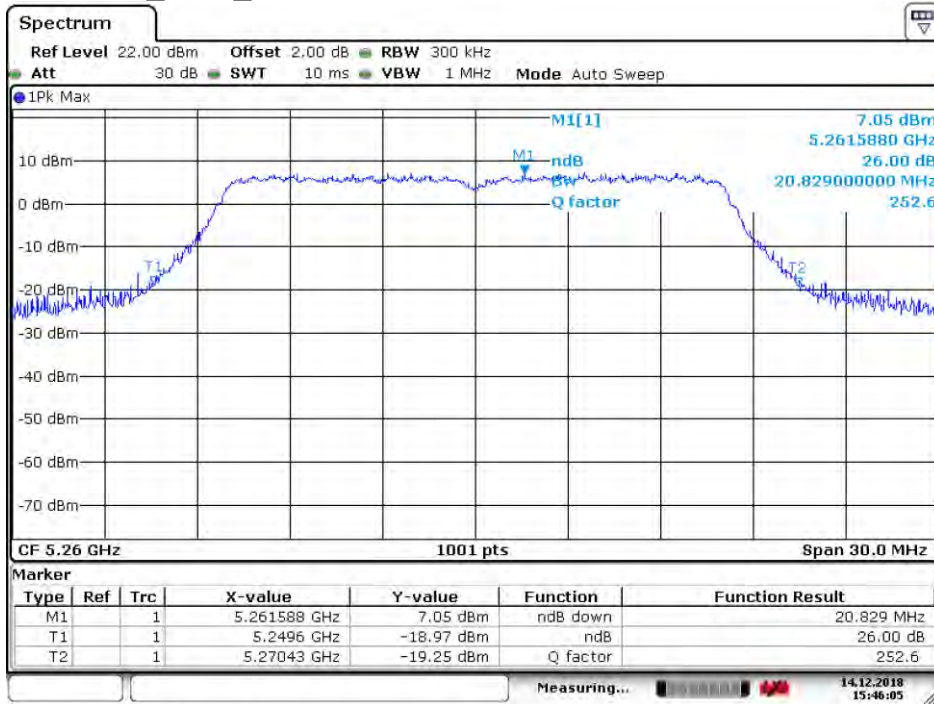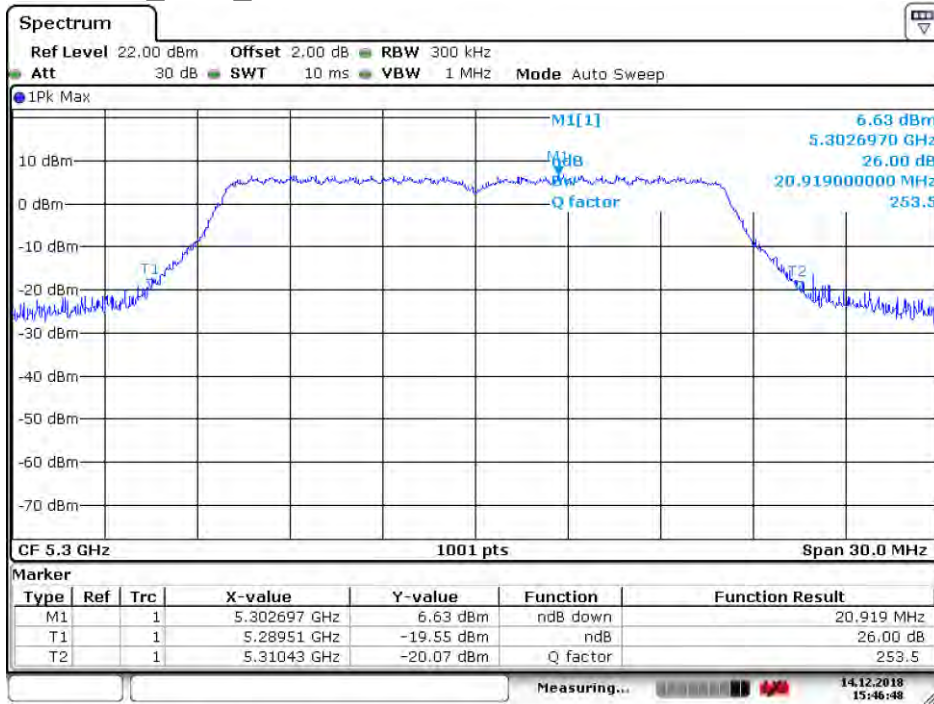| Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.583327 GHz	7.66 dBm	ndB down	21.039 MHz
T1		1	5.56951 GHz	-18.40 dBm	ndB	26.00 dB
T2		1	5.590549 GHz	-17.73 dBm	Q factor	265.4
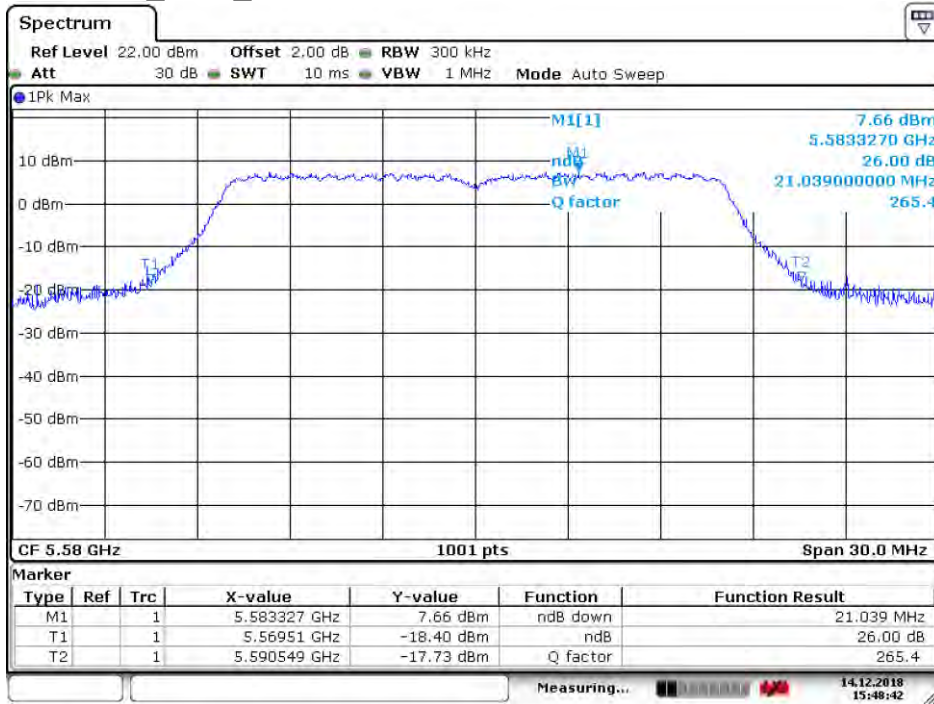
Date: 14.DEC.2018 15:48:43

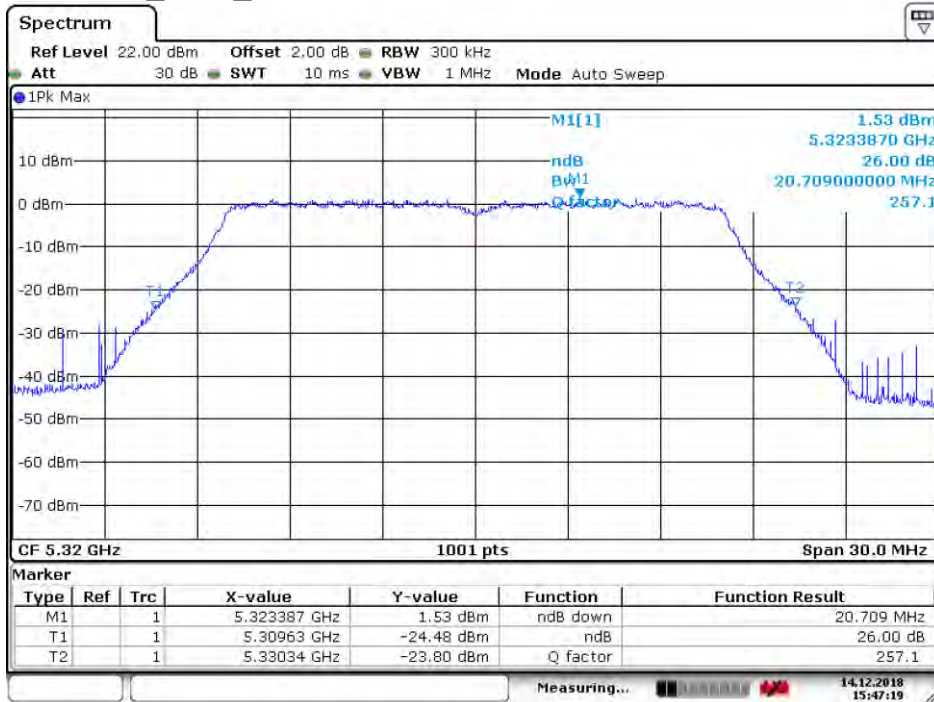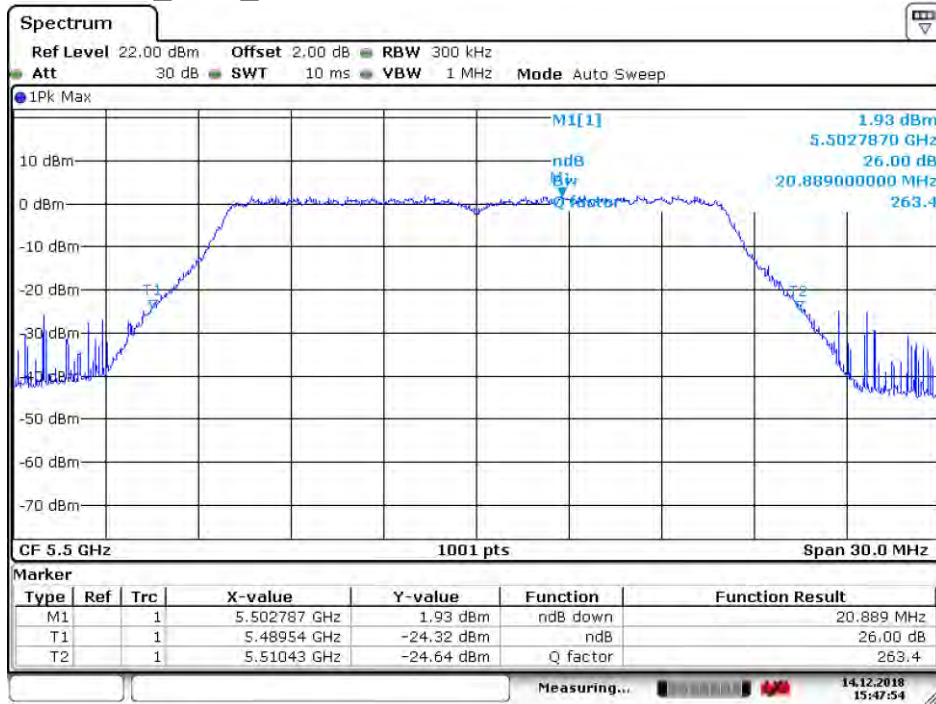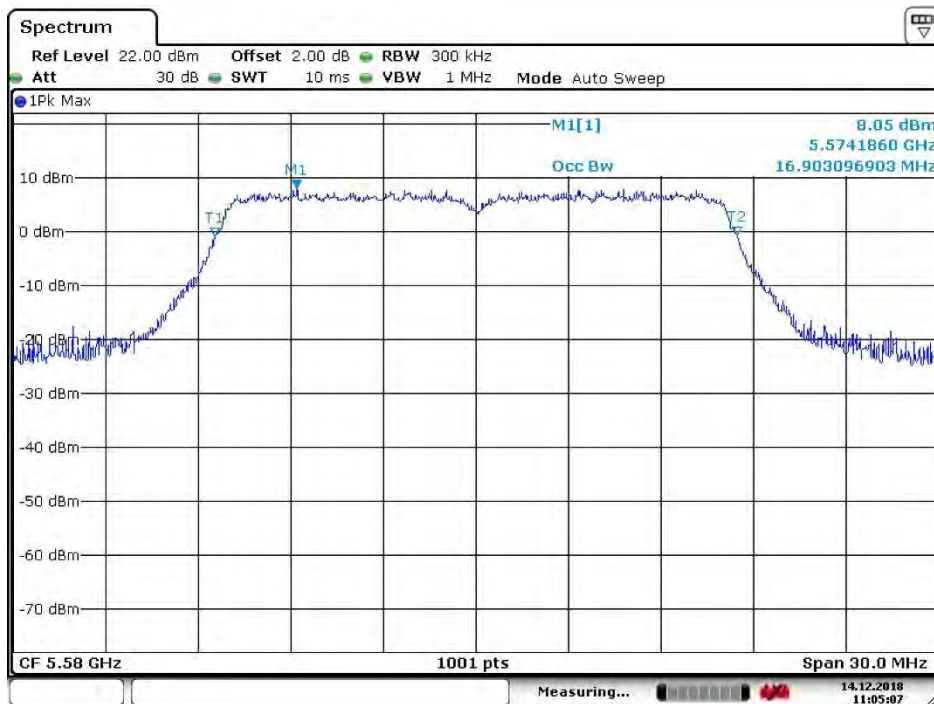Date: 14.DEC.2018 11:05:08

4.5.2.103   11A20_CDD_140 ANT 1
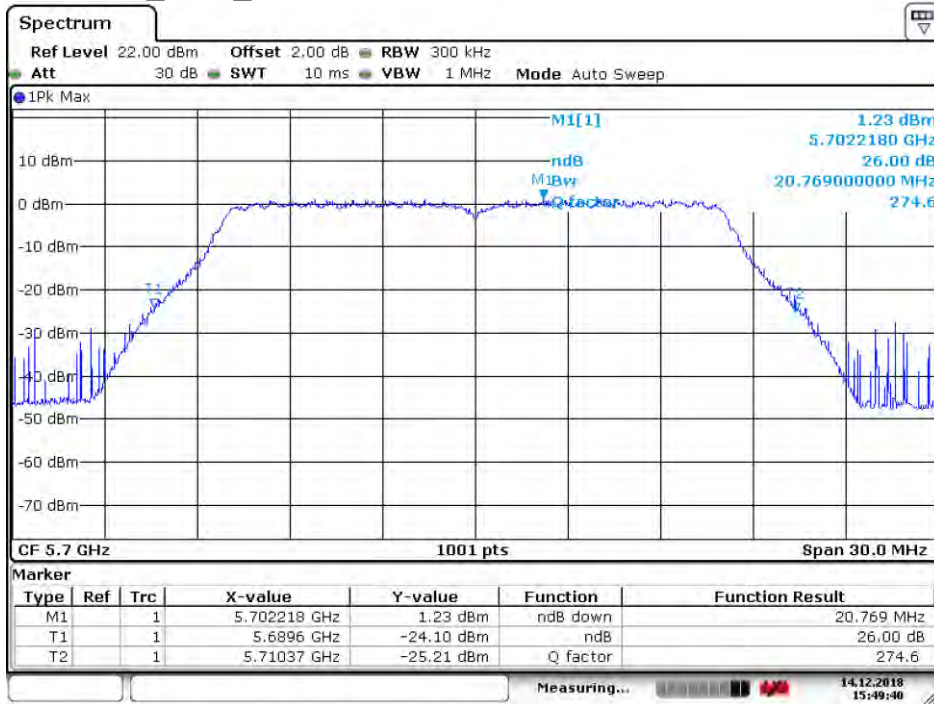
Date: 14.DEC.2018 15:49:40
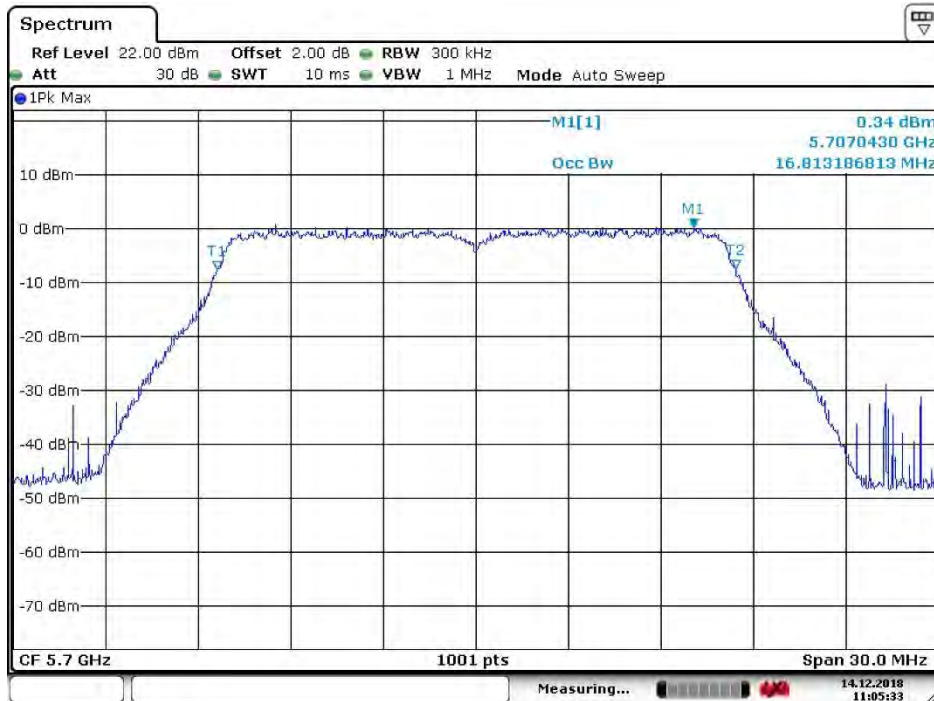
Date: 14.DEC.2018 11:05:33

4.5.2.104   11N20_MIMO_36 ANT 1

Marker						
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.185245 GHz	1.35 dBm	ndB down	21.129 MHz
T1		1	5.169421 GHz	-25.05 dBm	ndB	26.00 dB
T2		1	5.190549 GHz	-25.12 dBm	Q factor	245.4

Date: 14.DEC.2018 16:02:30

Date: 14.DEC.2018 14:34:38

4.5.2.105   11N20_MIMO_44 ANT 1

Date: 14.DEC.2018 16:03:15

Date: 14.DEC.2018 14:35:40

4.5.2.106   11N20_MIMO_48 ANT 1

Date: 14.DEC.2018 16:03:45

Date: 14.DEC.2018 14:36:07

4.5.2.107   11N20_MIMO_52 ANT 1

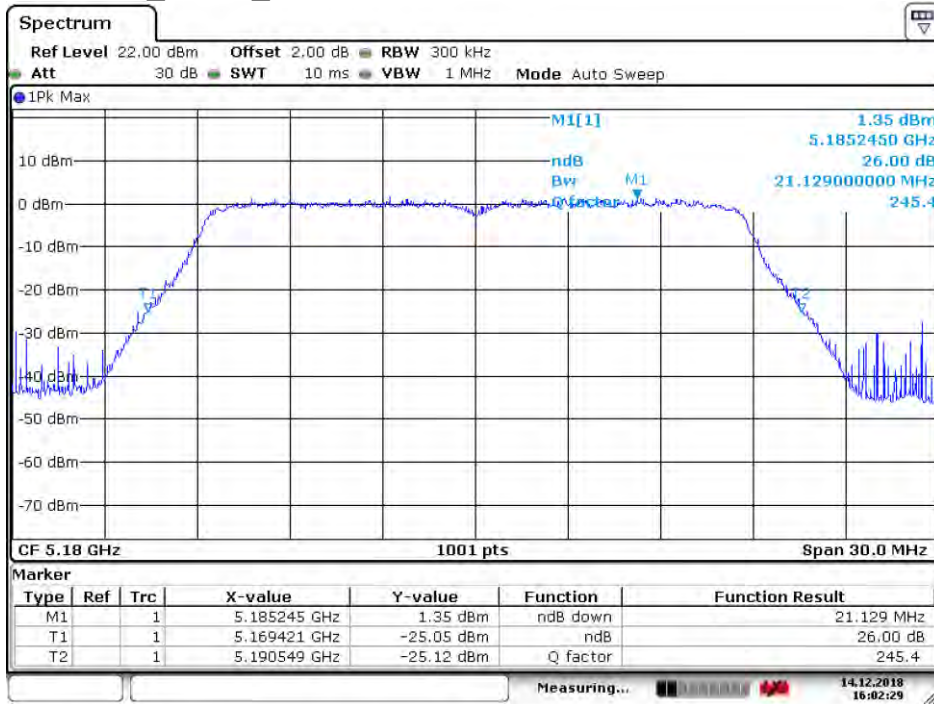Date: 14.DEC.2018 16:04:14

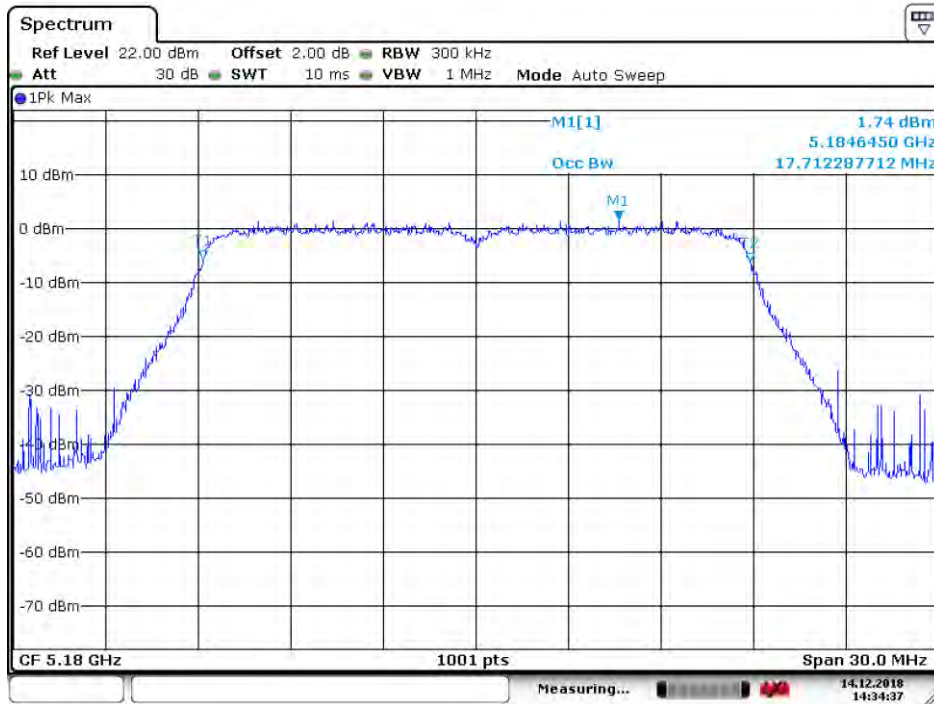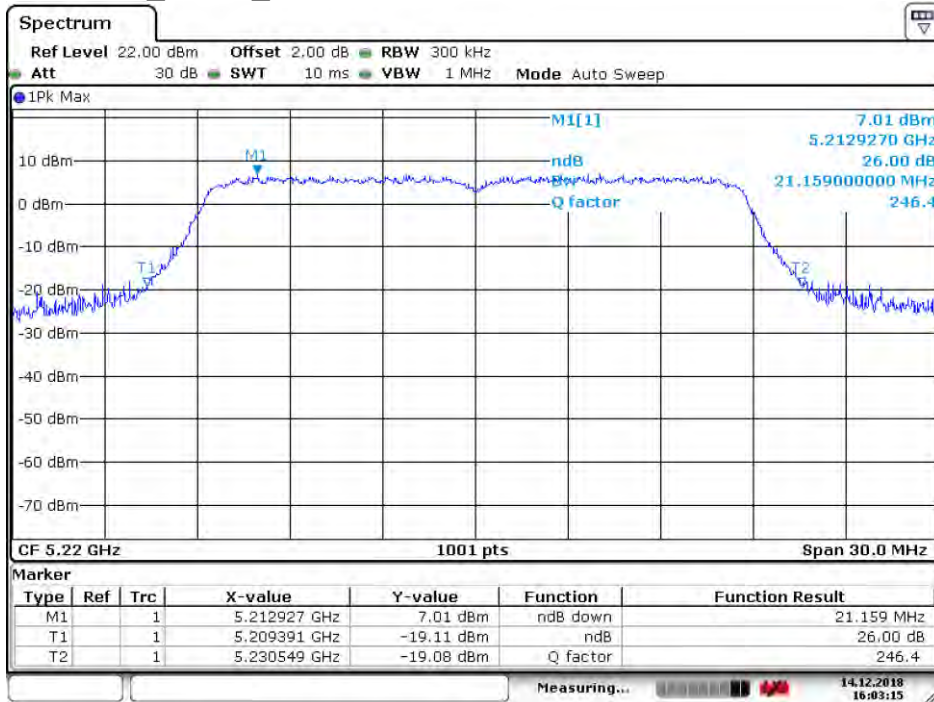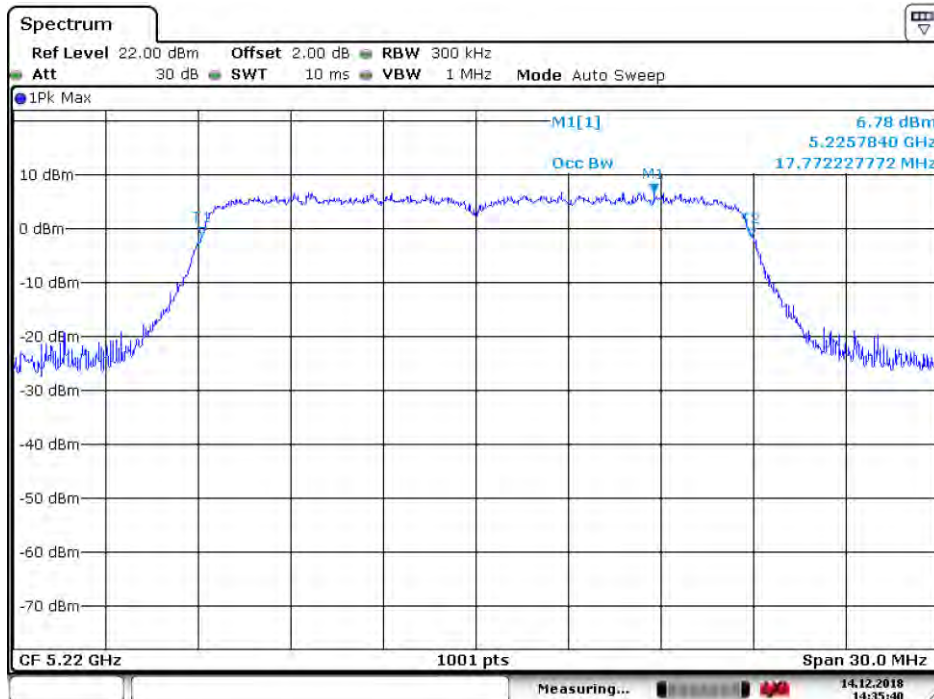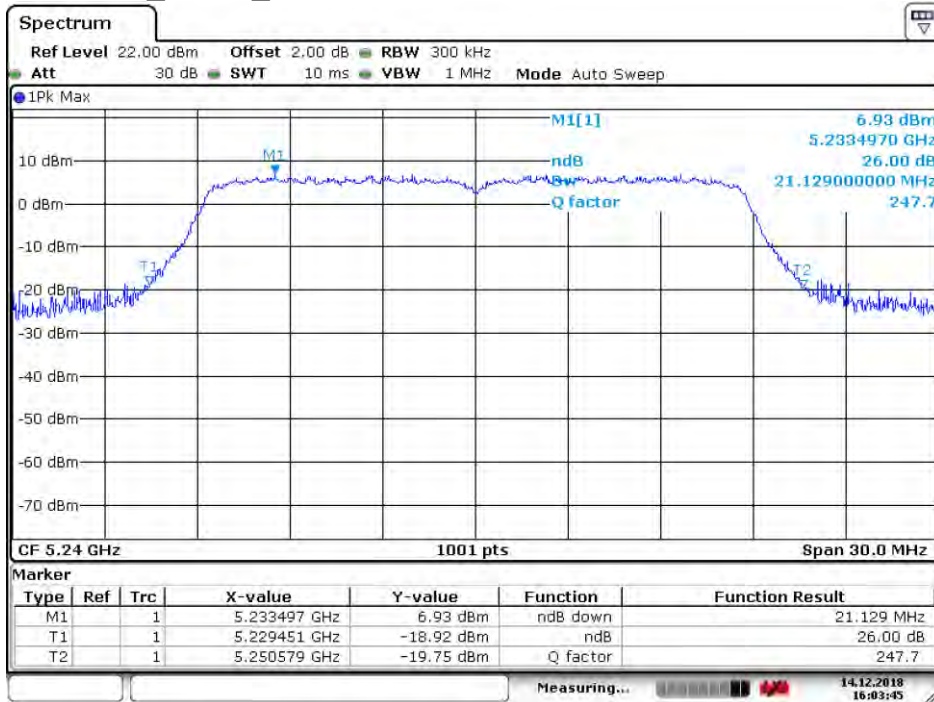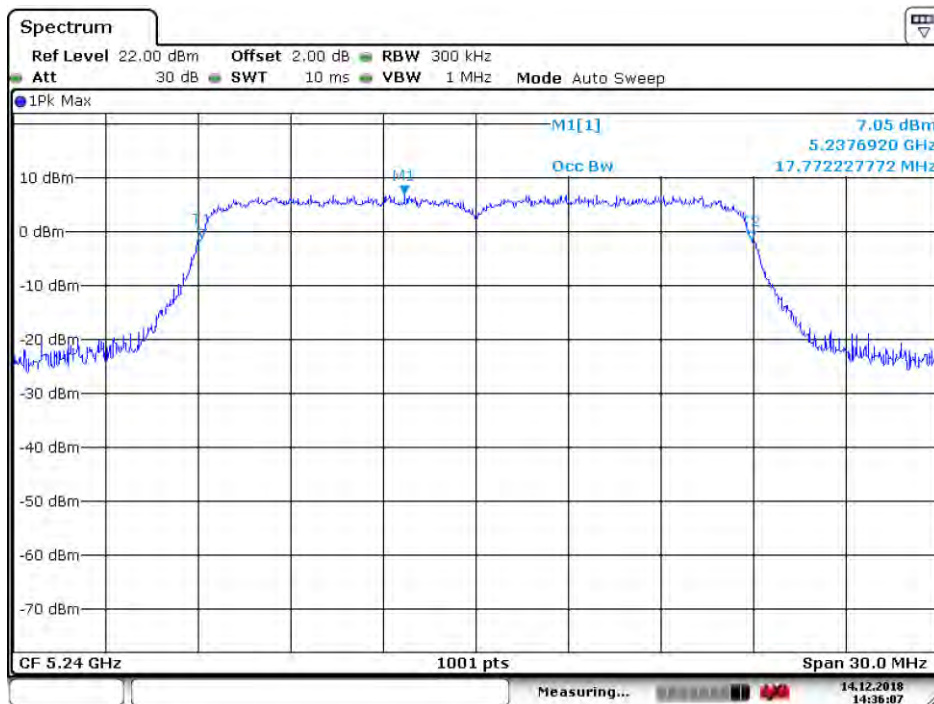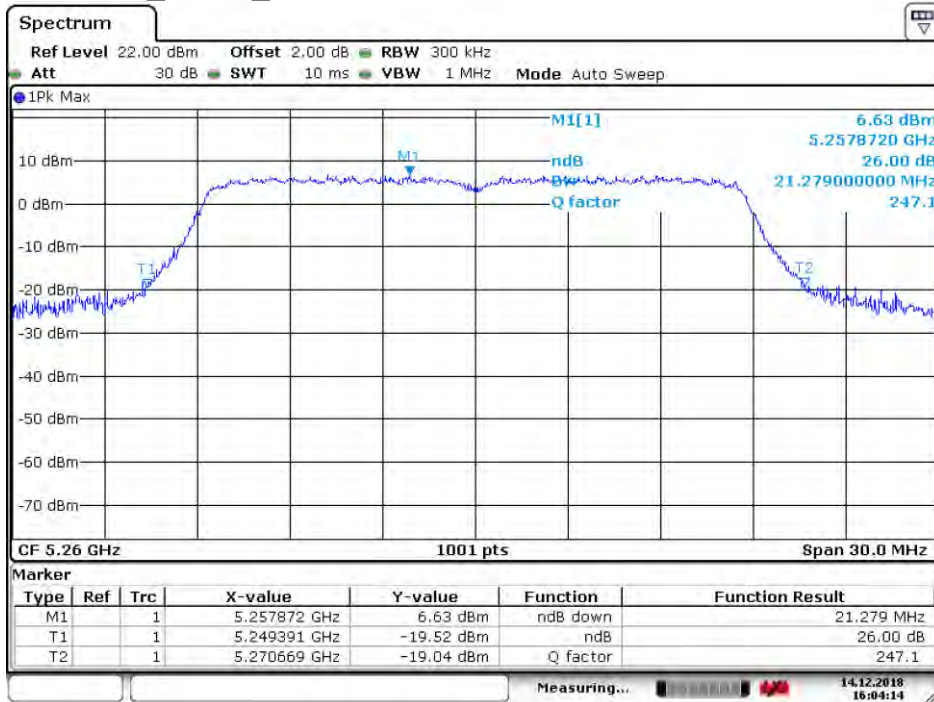
Date: 14.DEC.2018 14:36:35

4.5.2.108   11N20_MIMO_60 ANT 1

Date: 14.DEC.2018 16:04:42

Date: 14.DEC.2018 14:37:33

4.5.2.109 11N20_MIMO_64 ANT 1

Spectrum							
Ref Level 22.00 dBm		Offset 2.00 dB	RBW 300 kHz				
Att 30 dB		SWT 10 ms	VBW 1 MHz	Mode Auto Sweep			

1Pk Max

M1[1] 0.69 dBm
5.3178720 GHz
ndB 26.00 dB
Bw 21.099000000 MHz
Qfactor 252.0

CF 5.32 GHz   1001 pts   Span 30.0 MHz

Marker						
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.317872 GHz	0.69 dBm	ndB down	21.099 MHz
T1		1	5.309451 GHz	-25.84 dBm	ndB	26.00 dB
T2		1	5.330549 GHz	-25.34 dBm	Q factor	252.0

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Spectrum							
Ref Level 22.00 dBm		Offset 2.00 dB	RBW 300 kHz				
Att 30 dB		SWT 10 ms	VBW 1 MHz	Mode Auto Sweep			

1Pk Max

M1[1] 0.72 dBm
5.3158940 GHz
Occ Bw 17.742257742 MHz

CF 5.32 GHz   1001 pts   Span 30.0 MHz

Date: 14.DEC.2018 14:37:59

4.5.2.110   11N20_MIMO_100 ANT 1

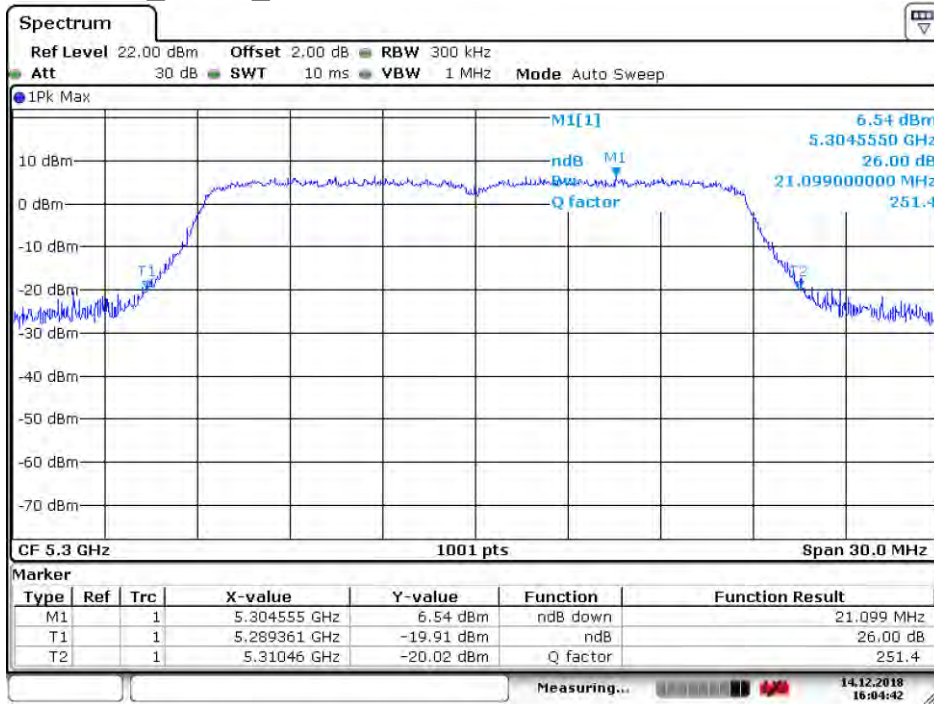| Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.506024 GHz	1.30 dBm	ndB down	21.039 MHz
T1		1	5.489481 GHz	-24.40 dBm	ndB	26.00 dB
T2		1	5.510519 GHz	-24.61 dBm	Q factor	261.7

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Date: 14.DEC.2018 14:38:28

4.5.2.111   11N20_MIMO_116 ANT 1

Date: 14.DEC.2018 16:05:57

Date: 14.DEC.2018 14:39:22

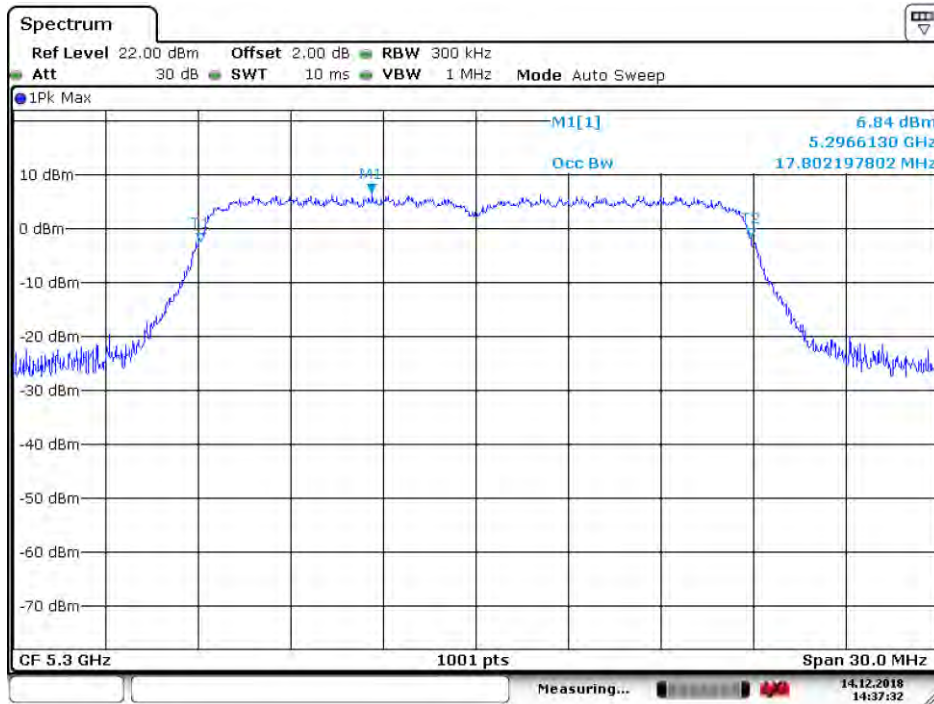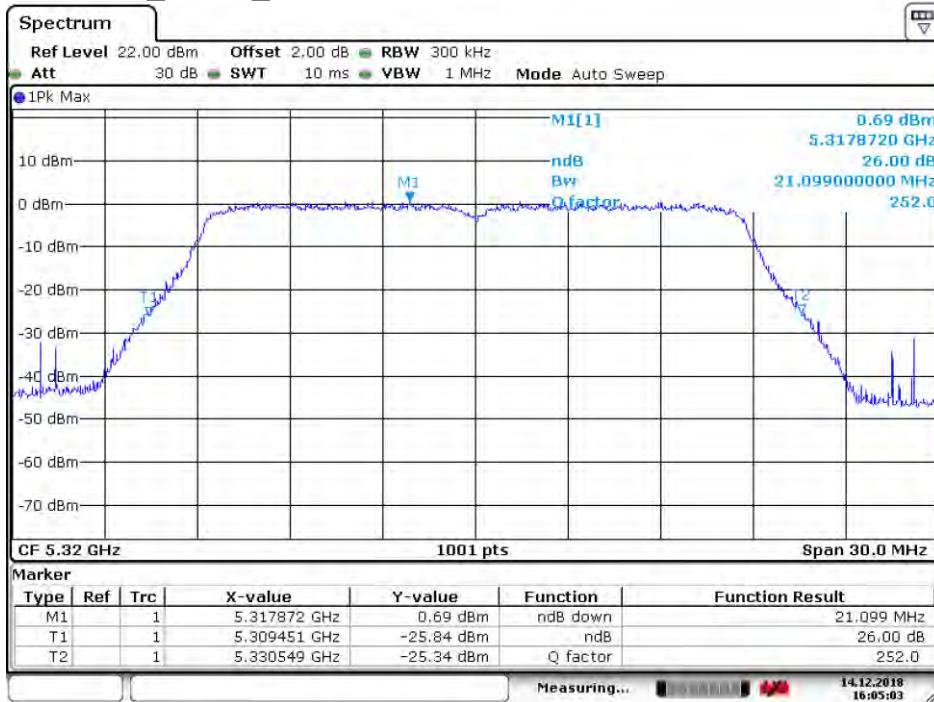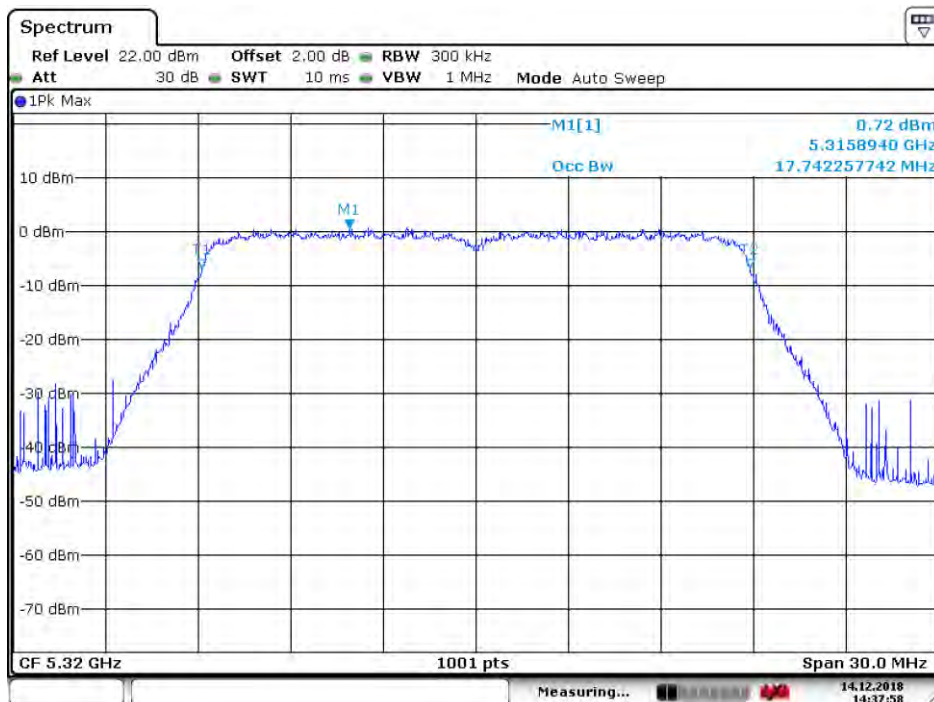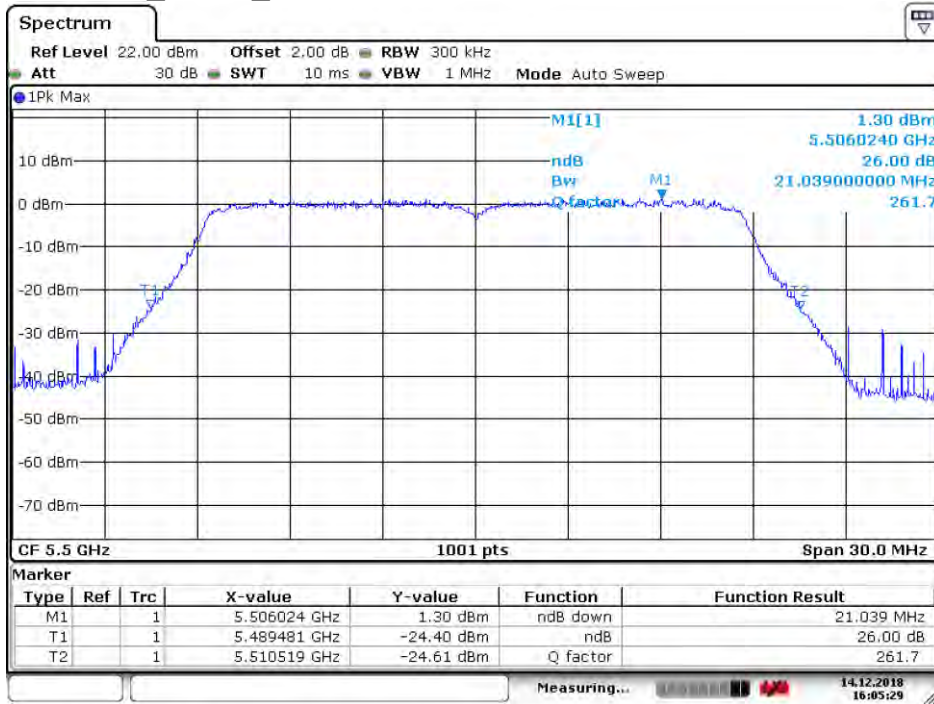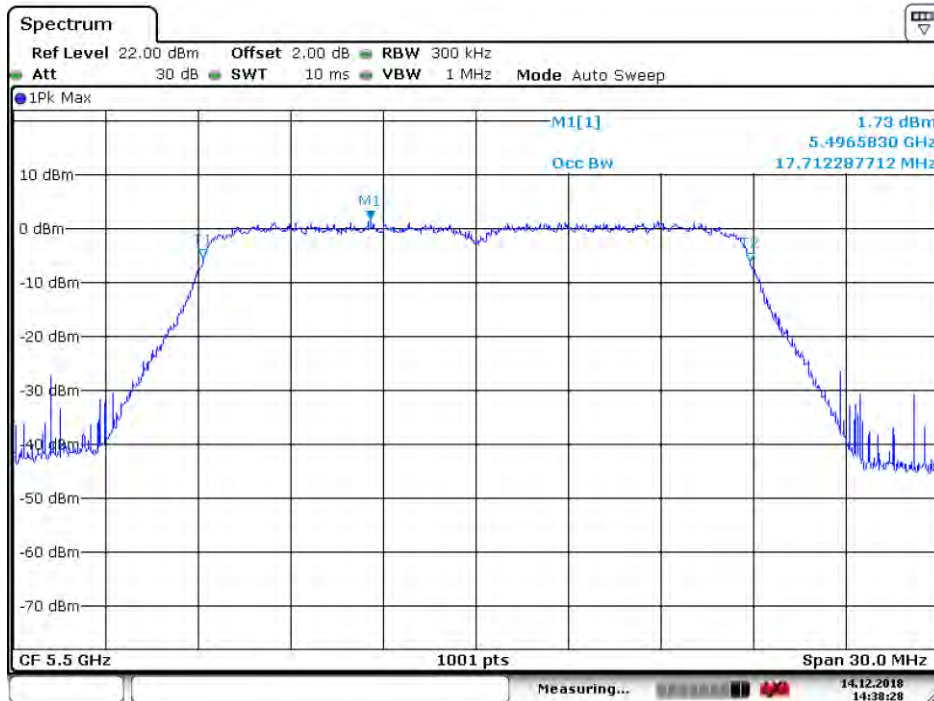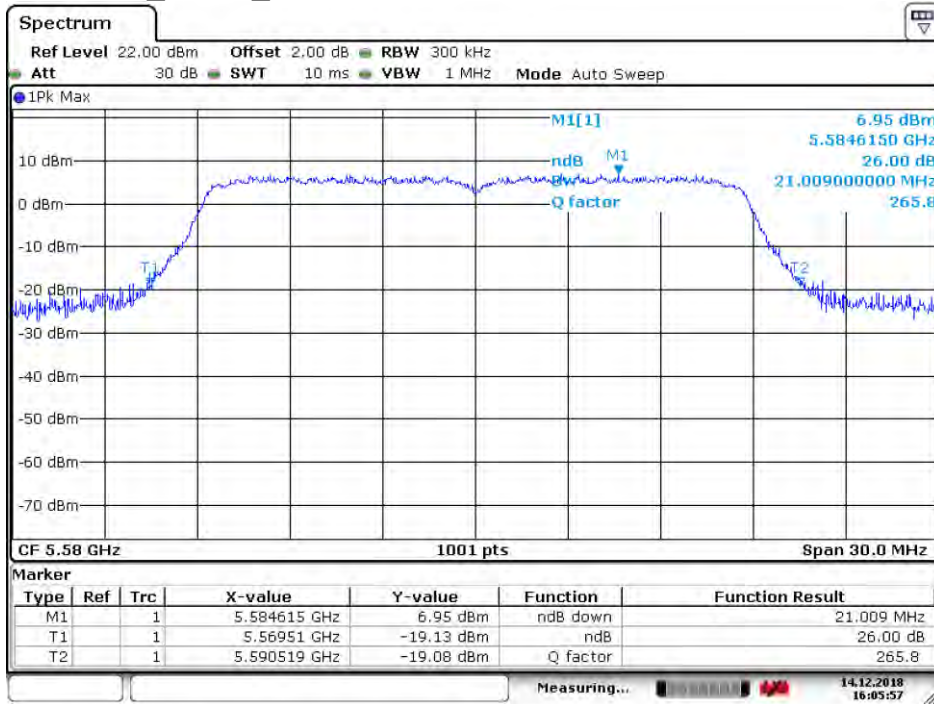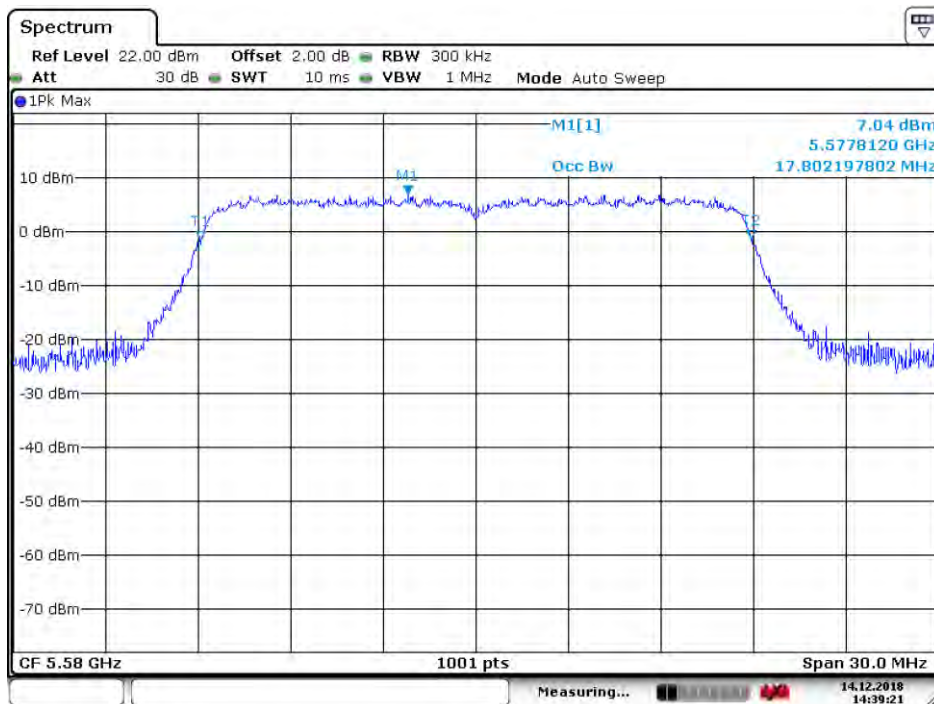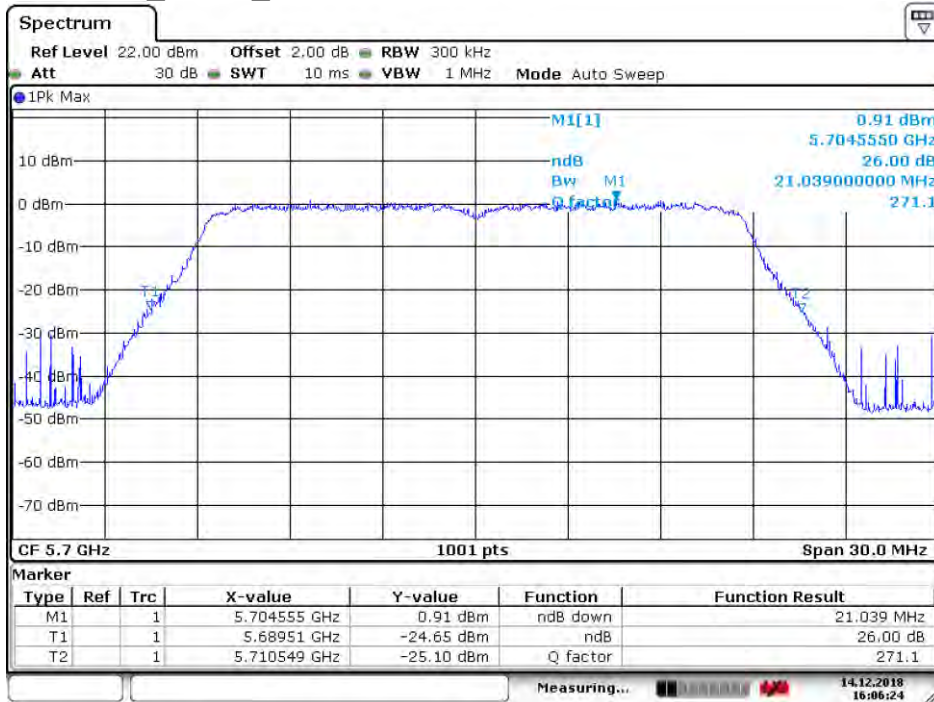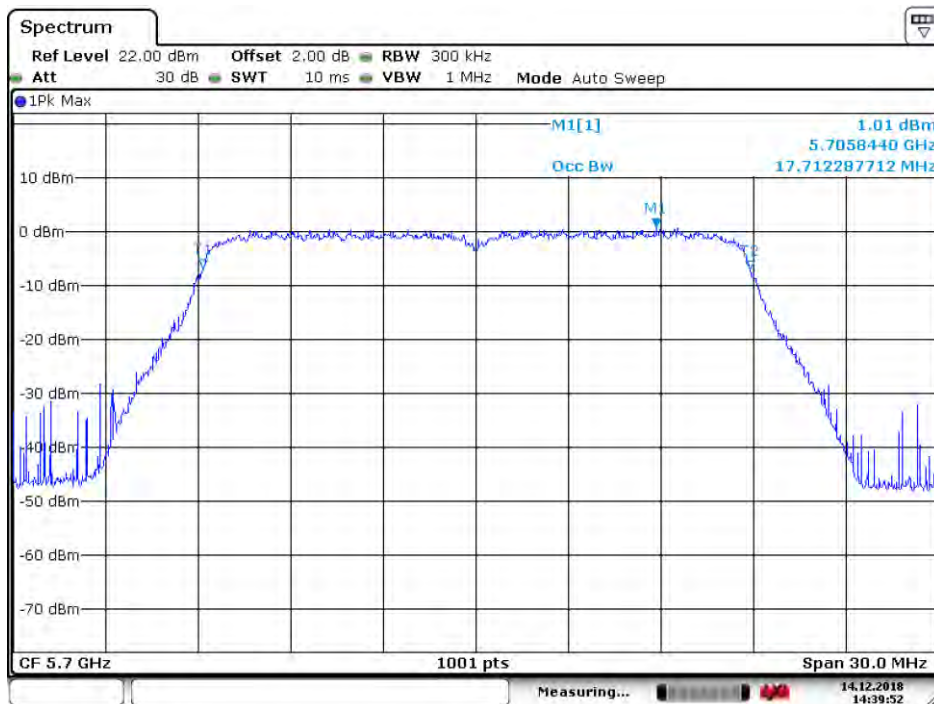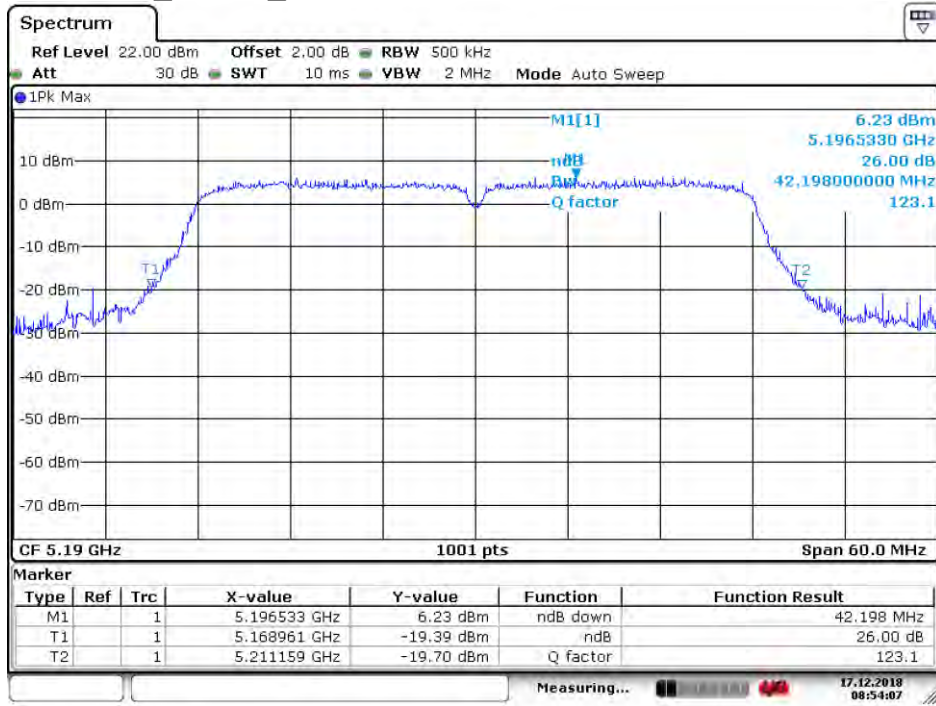### 4.5.2.112   11N20_MIMO_140 ANT 1
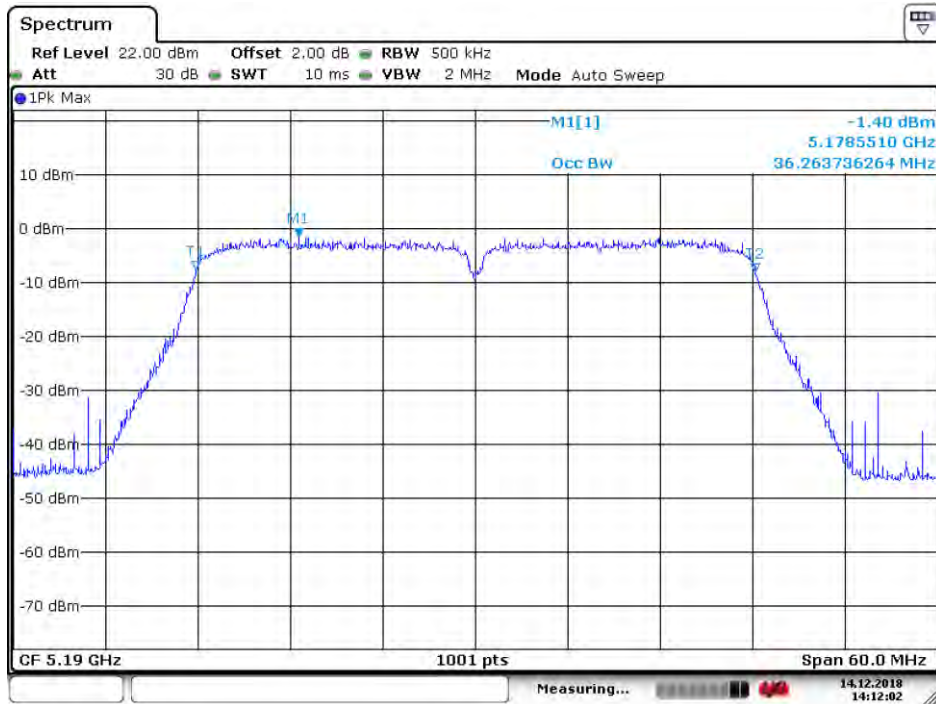

Date: 14.DEC.2018 16:06:25

Date: 14.DEC.2018 14:39:52

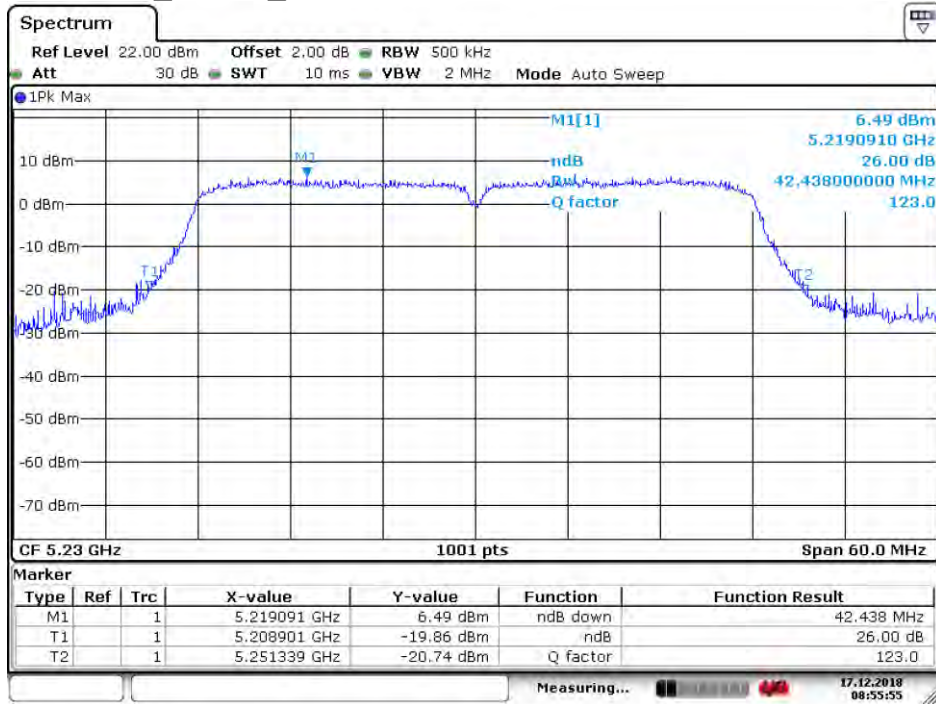### 4.5.2.113   11N40_MIMO _38 ANT 1

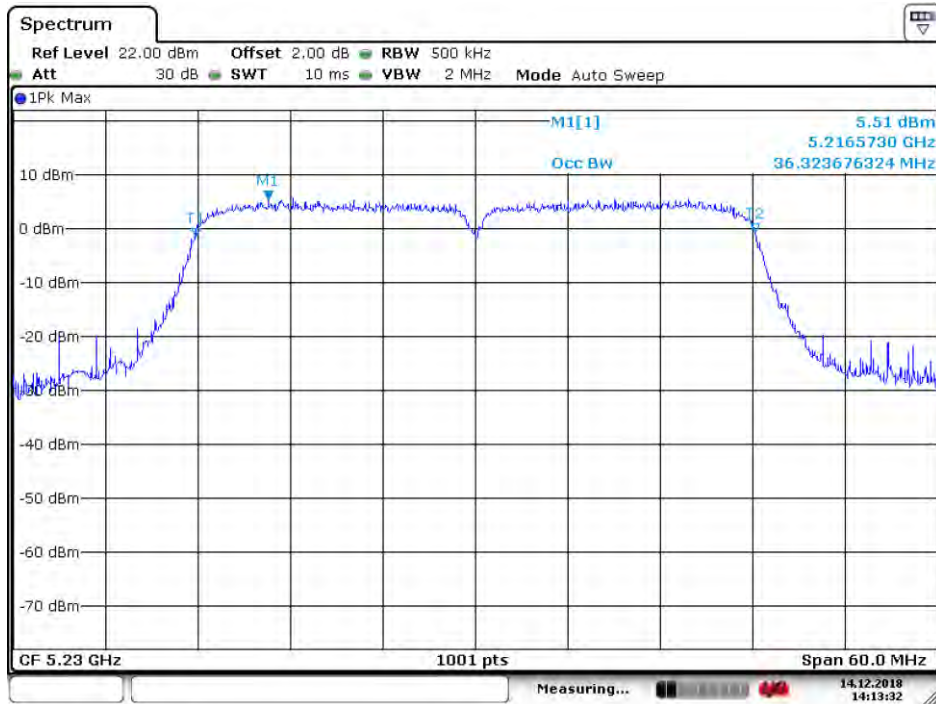Date: 17 DEC.2018 08:54:07

Date: 14.DEC.2018 14:12:02

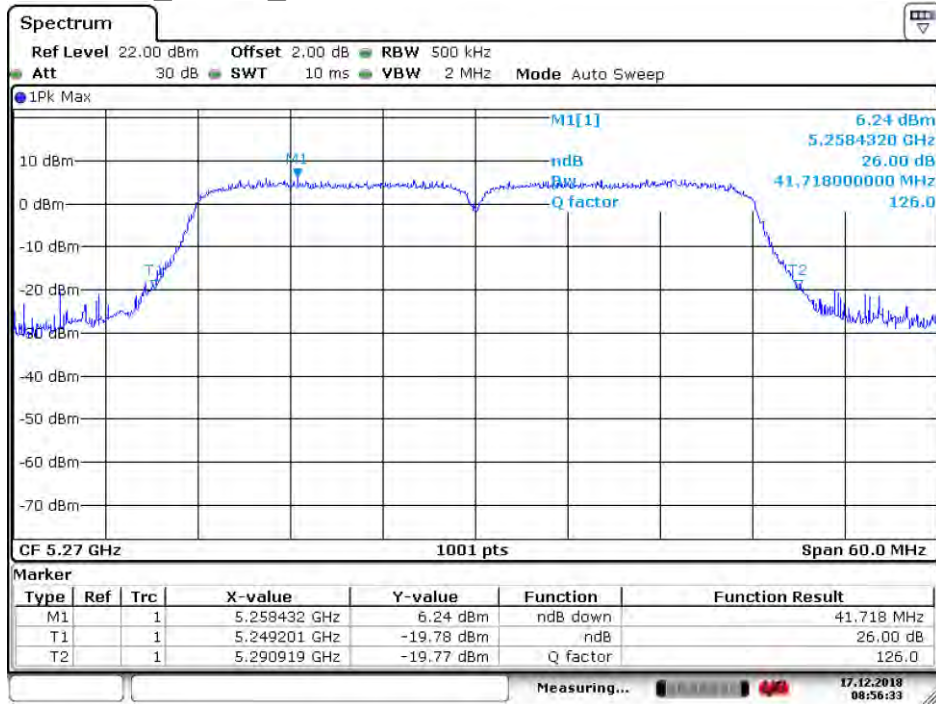### 4.5.2.114 11N40_MIMO _46 ANT 1

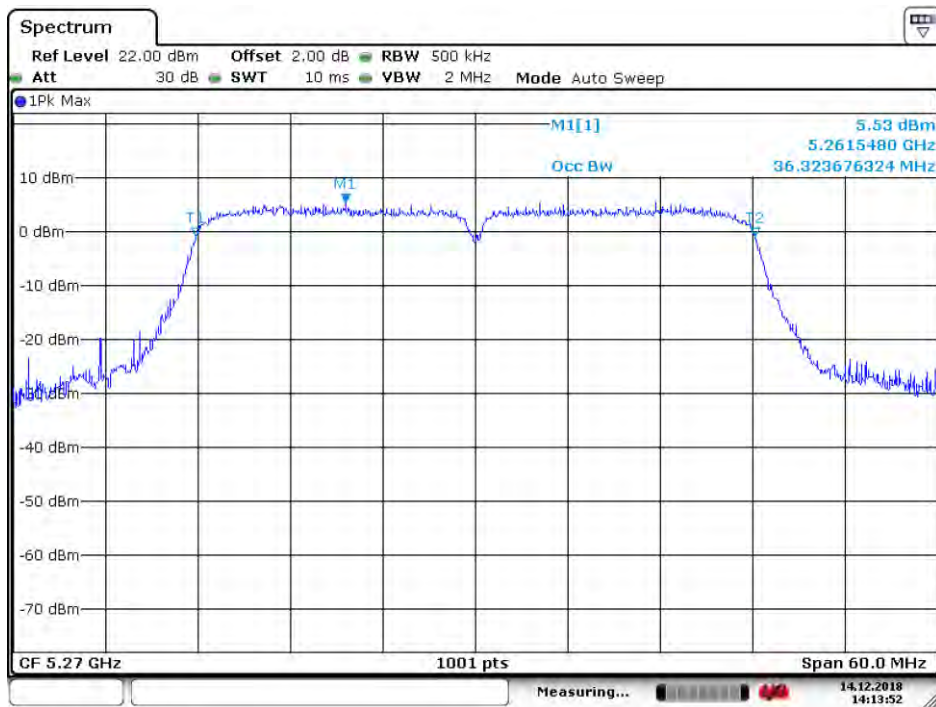Date: 17 DEC.2018 08:55:55

Date: 14.DEC.2018 14:13:33

4.5.2.115   11N40_MIMO _54 ANT 1

Date: 17 DEC.2018 08:56:34

Date: 14.DEC.2018 14:13:52

4.5.2.116　　11N40_MIMO _62 ANT 1

Spectrum (top)

Ref Level 22.00 dBm　Offset 2.00 dB　RBW 500 kHz
Att　30 dB　SWT 10 ms　VBW 2 MHz　Mode Auto Sweep

● 1Pk Max

M1[1]　5.43 dBm
5.3233670 GHz
ndB　26.00 dB
BW　42.318000000 MHz
Q factor　125.8

CF 5.31 GHz　　1001 pts　　Span 60.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.323367 GHz	5.43 dBm	ndB down	42.318 MHz
T1		1	5.288841 GHz	-20.50 dBm	ndB	26.00 dB
T2		1	5.331159 GHz	-21.50 dBm	Q factor	125.8

Measuring...　17.12.2018 08:59:03

Date: 17 DEC 2018 08:59:03

Spectrum (bottom)

Ref Level 22.00 dBm　Offset 2.00 dB　RBW 500 kHz
Att　30 dB　SWT 10 ms　VBW 2 MHz　Mode Auto Sweep

● 1Pk Max

M1[1]　-2.05 dBm
5.2973530 GHz
Occ BW　36.323676324 MHz

CF 5.31 GHz　　1001 pts　　Span 60.0 MHz

Measuring...　14.12.2018 14:14:13

Date: 14 DEC 2018 14:14:14

4.5.2.117 11N40_MIMO _102 ANT 1
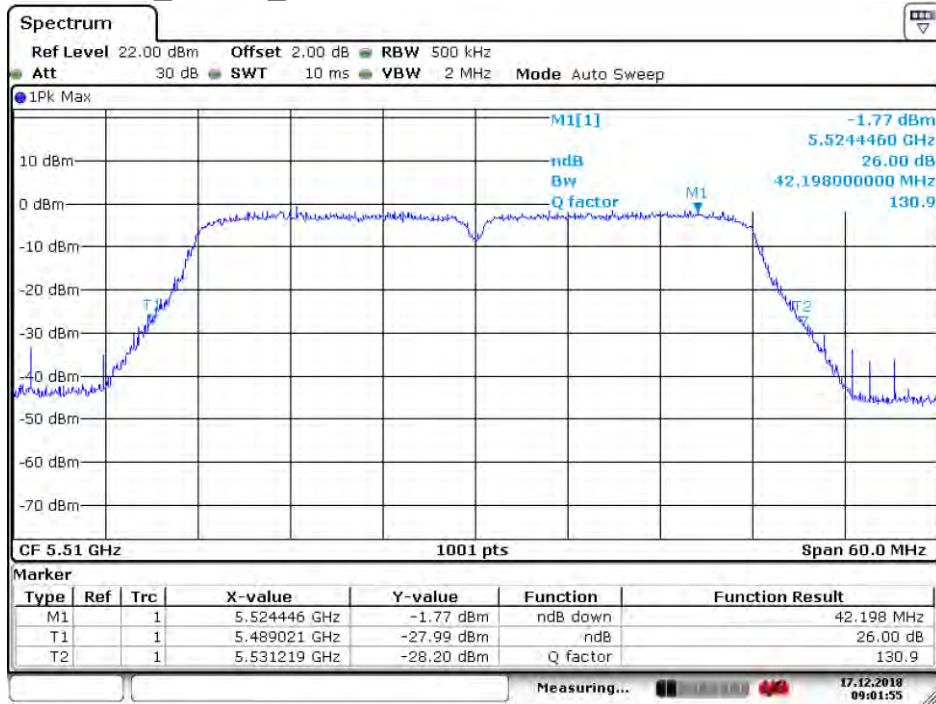
Date: 17.DEC.2018 09:01:55

Date: 14.DEC.2018 14:14:42

4.5.2.118   11N40_MIMO _110 ANT 1

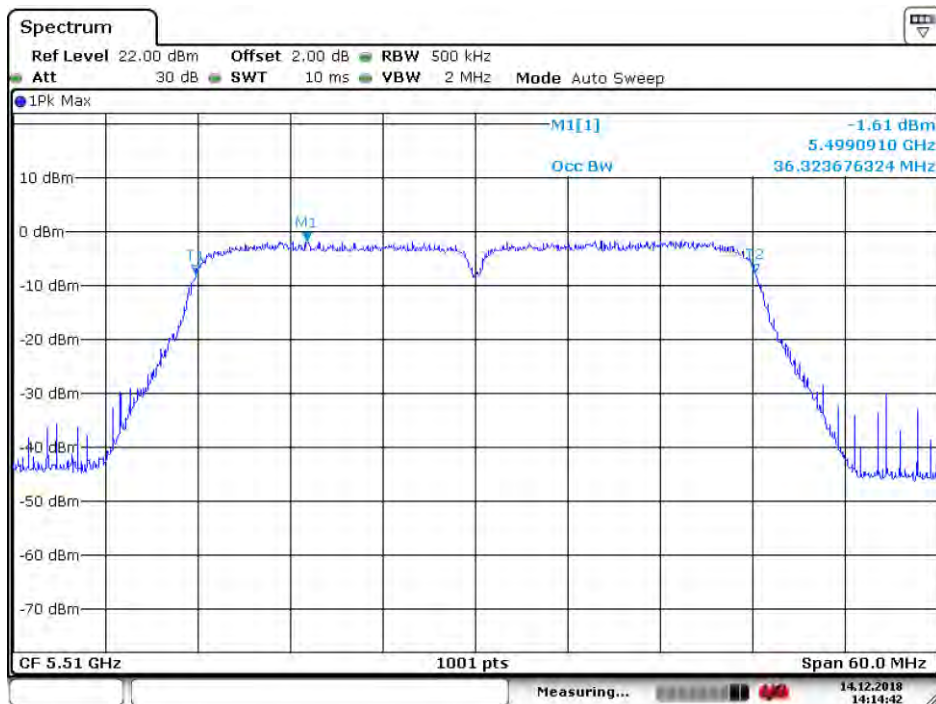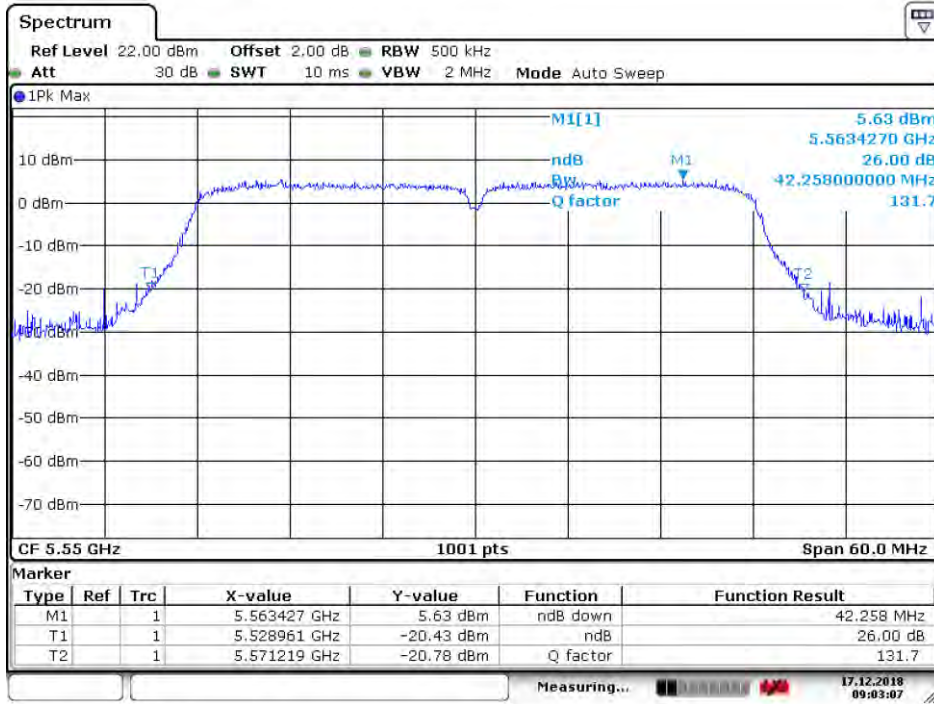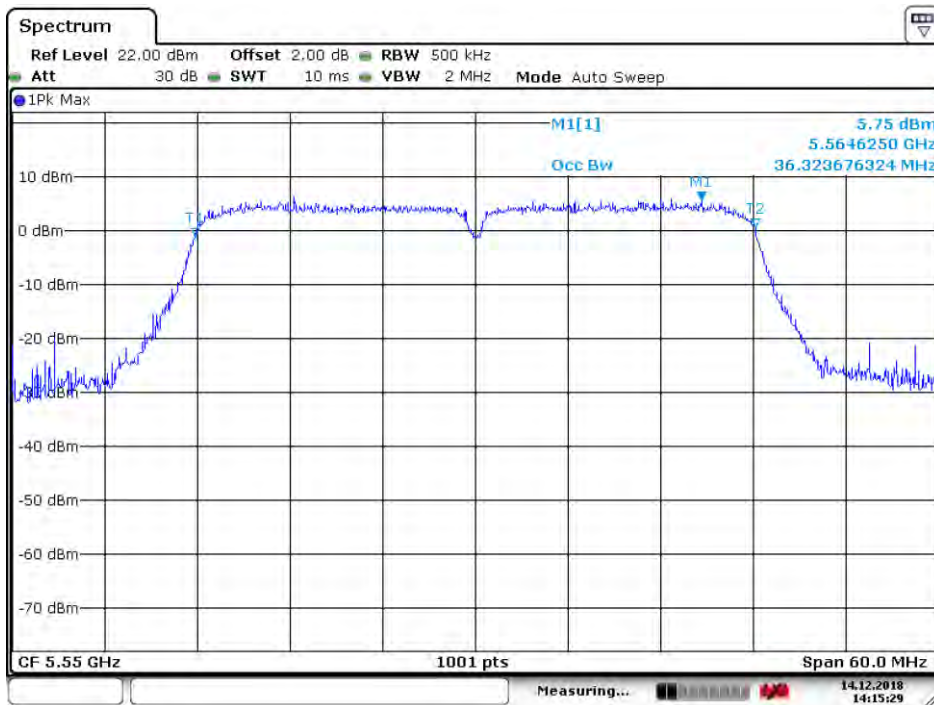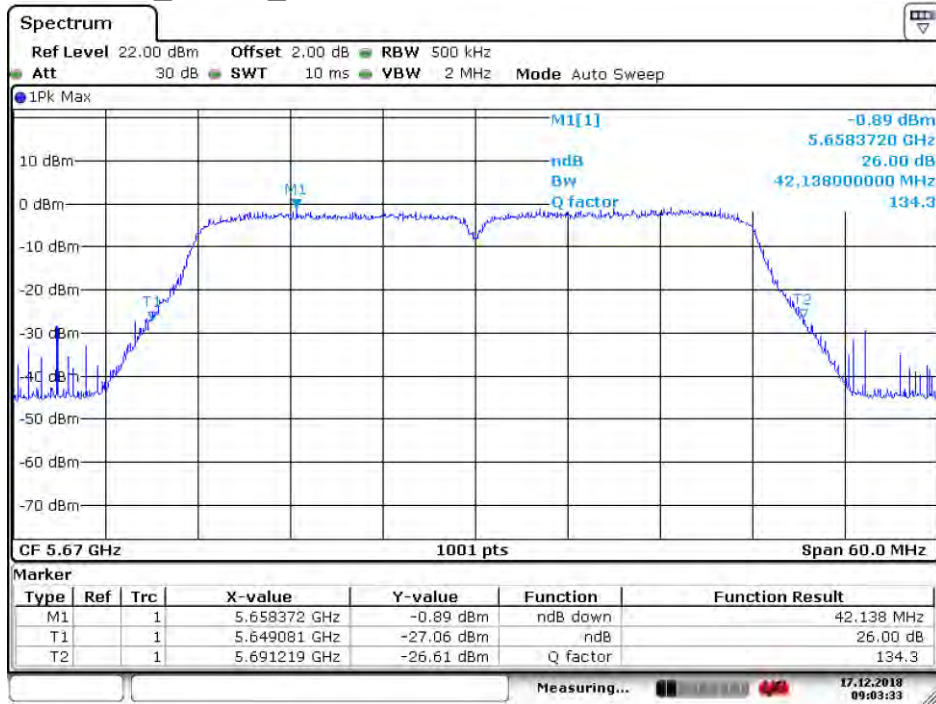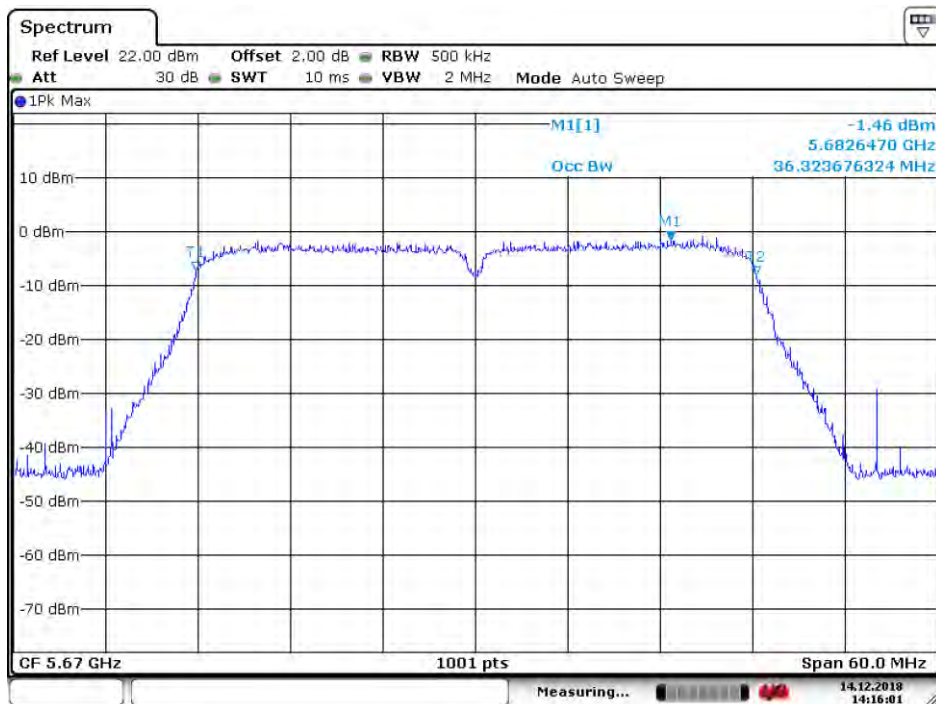Date: 17.DEC.2018 09:03:06

Date: 14.DEC.2018 14:15:30
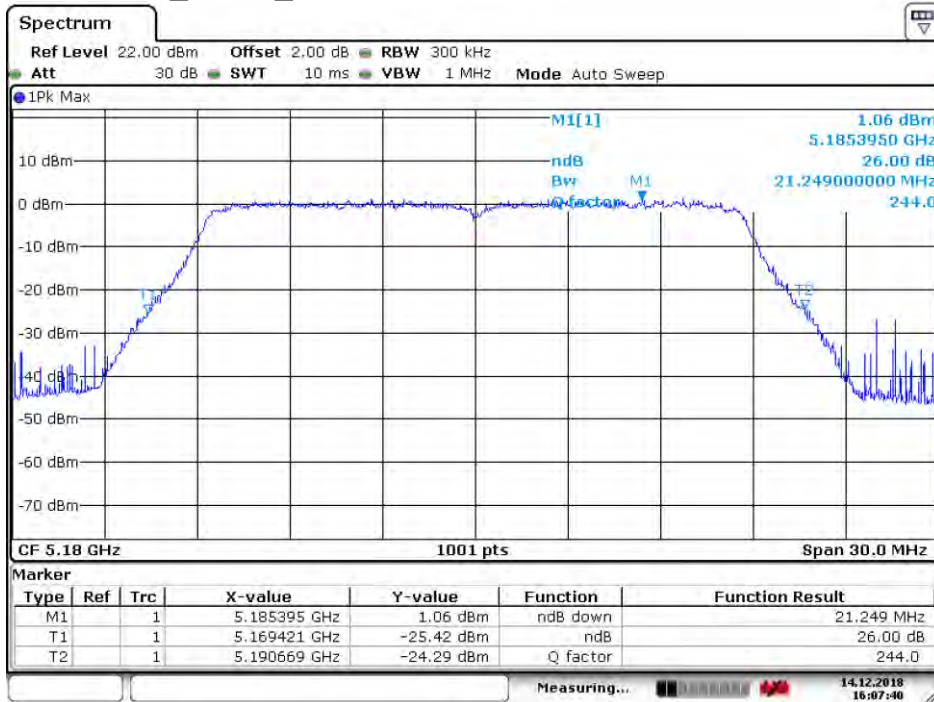
4.5.2.119 11N40_MIMO _134 ANT 1

Date: 17.DEC.2018 09:03:33

Date: 14.DEC.2018 14:16:01

4.5.2.120   11AC20_MIMO_36 ANT 1

Spectrum

Ref Level 22.00 dBm   Offset 2.00 dB   RBW 300 kHz
Att   30 dB   SWT   10 ms   VBW   1 MHz   Mode Auto Sweep
1Pk Max

M1[1]   1.06 dBm
5.1853950 GHz
ndB   26.00 dB
Bw   M1   21.249000000 MHz
Q factor   244.0

CF 5.18 GHz   1001 pts   Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.185395 GHz	1.06 dBm	ndB down	21.249 MHz
T1		1	5.169421 GHz	-25.42 dBm	ndB	26.00 dB
T2		1	5.190669 GHz	-24.29 dBm	Q factor	244.0

Measuring...   14.12.2018 16:07:40

Date: 14.DEC.2018 16:07:40

Spectrum

Ref Level 22.00 dBm   Offset 2.00 dB   RBW 300 kHz
Att   30 dB   SWT   10 ms   VBW   1 MHz   Mode Auto Sweep
1Pk Max

M1[1]   1.03 dBm
5.1765830 GHz
Occ Bw   17.712287712 MHz

CF 5.18 GHz   1001 pts   Span 30.0 MHz

Measuring...   14.12.2018 14:43:31
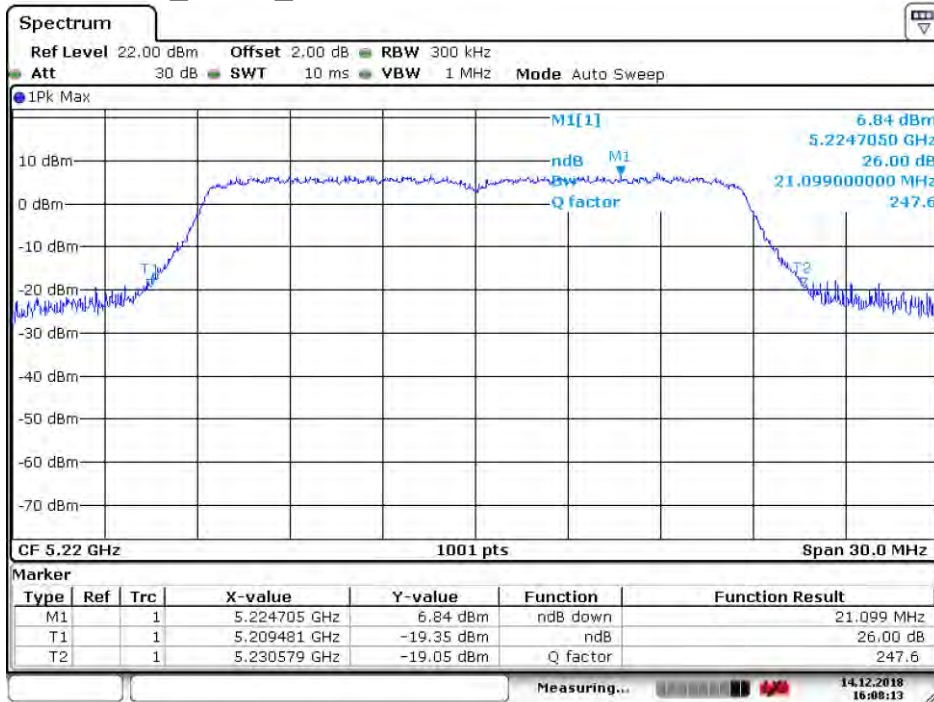
Date: 14.DEC.2018 14:43:31

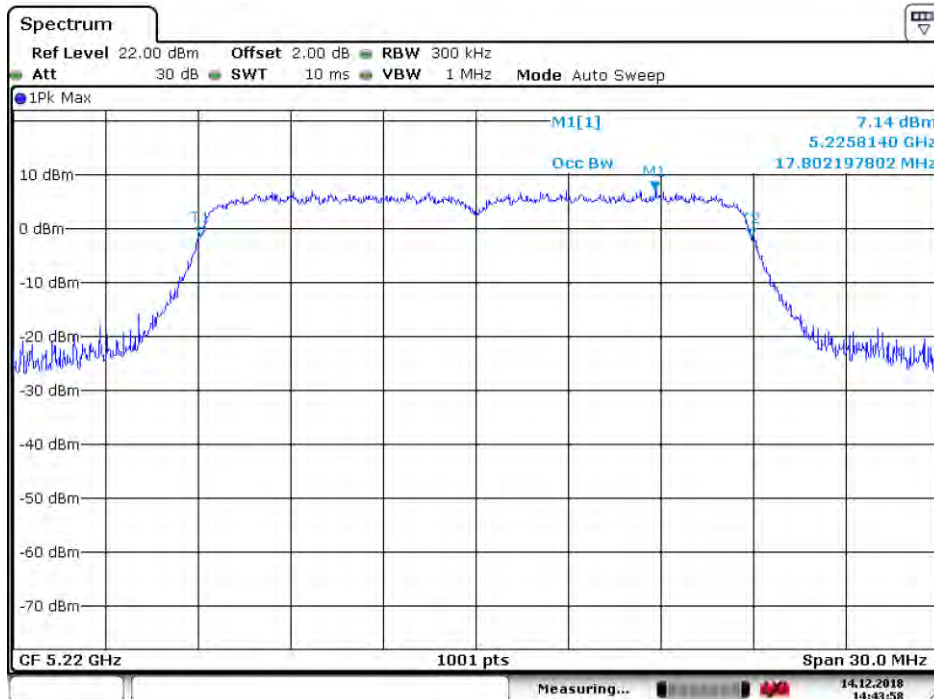### 4.5.2.121   11AC20_MIMO_44 ANT 1

Date: 14.DEC.2018 16:08:13

Date: 14.DEC.2018 14:43:59