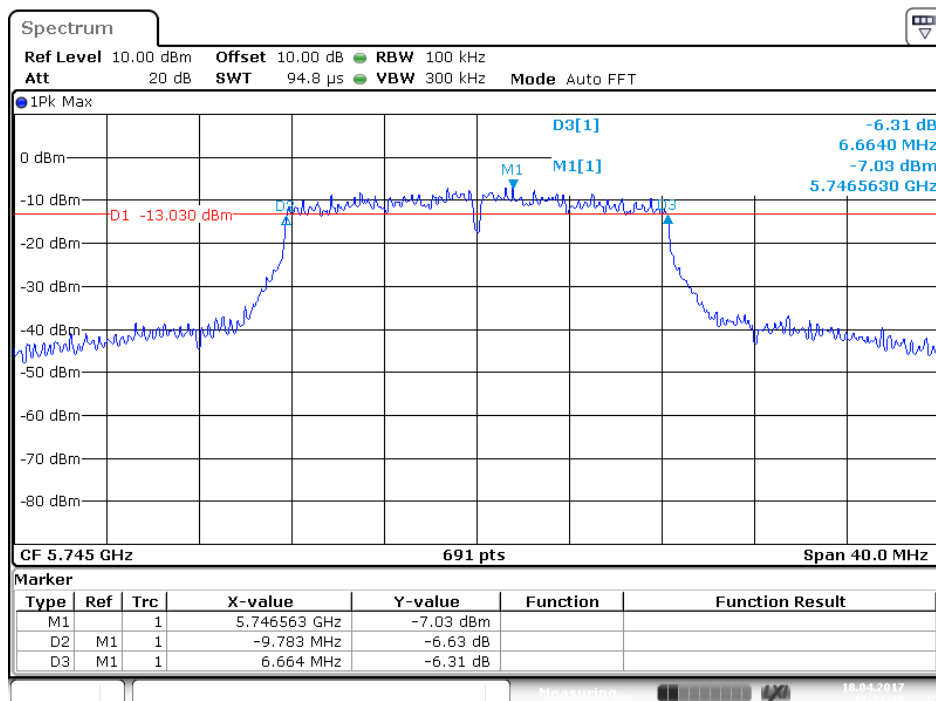
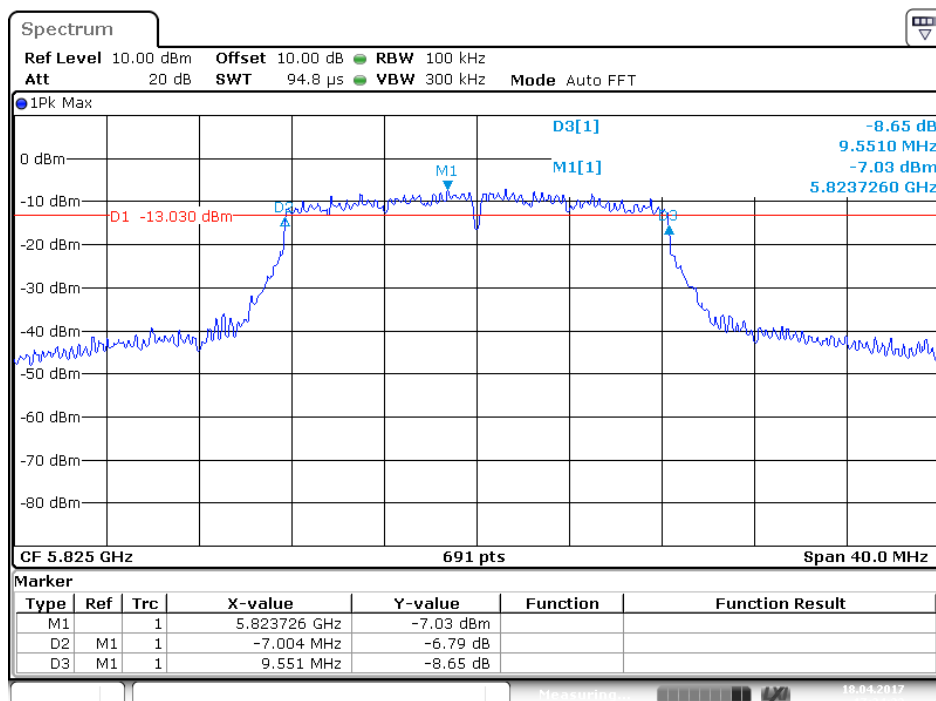


## 6dB Bandwidth Test Result

802.11A

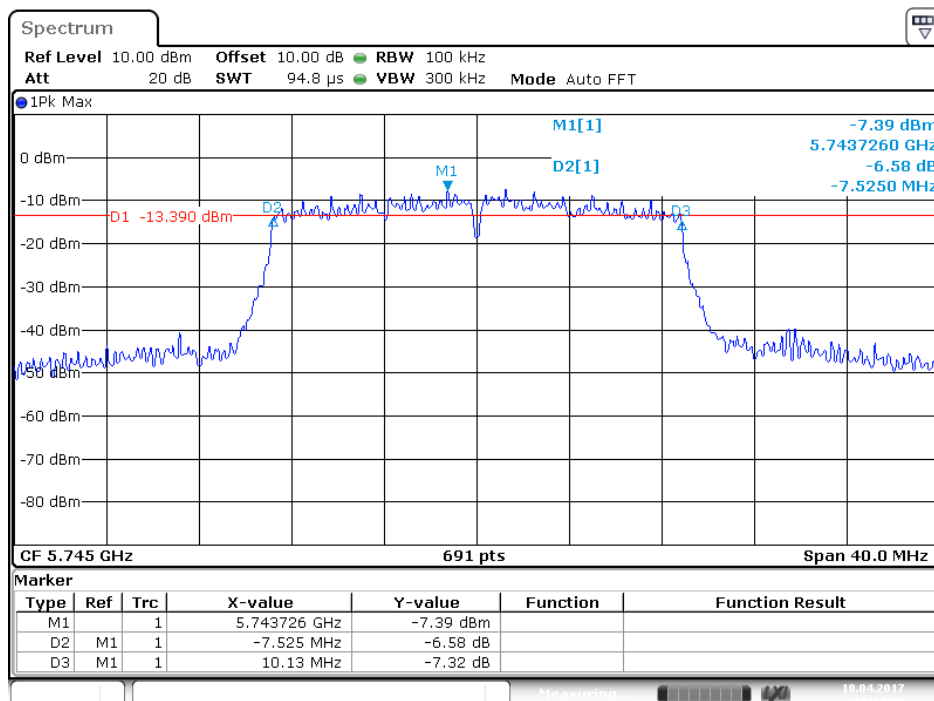


Date: 18.APR.2017 17:31:39

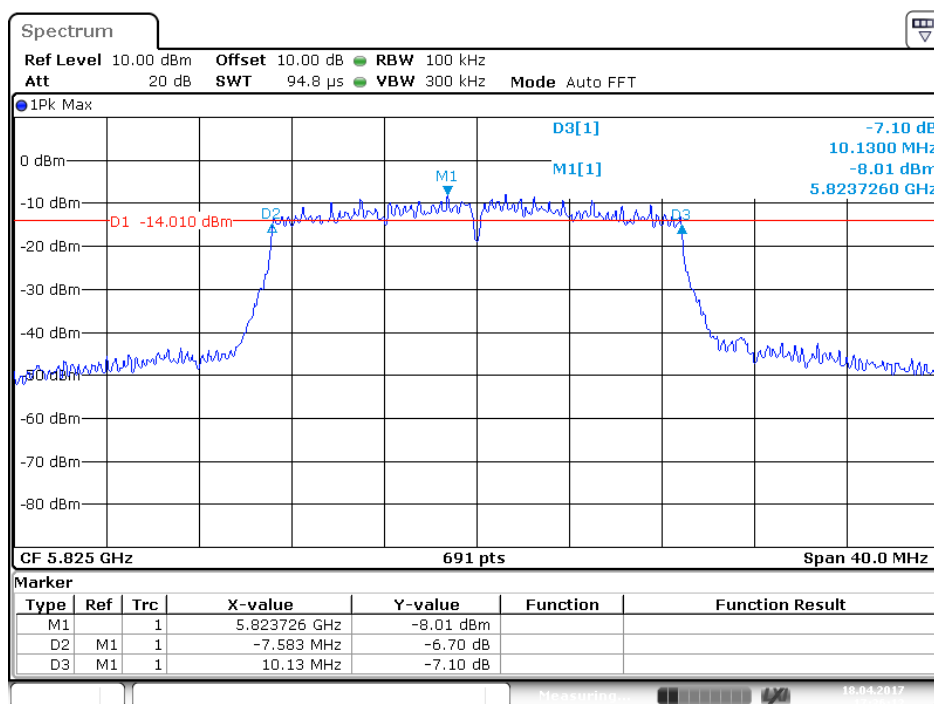


Date: 18.APR.2017 17:34:23

802.11N20

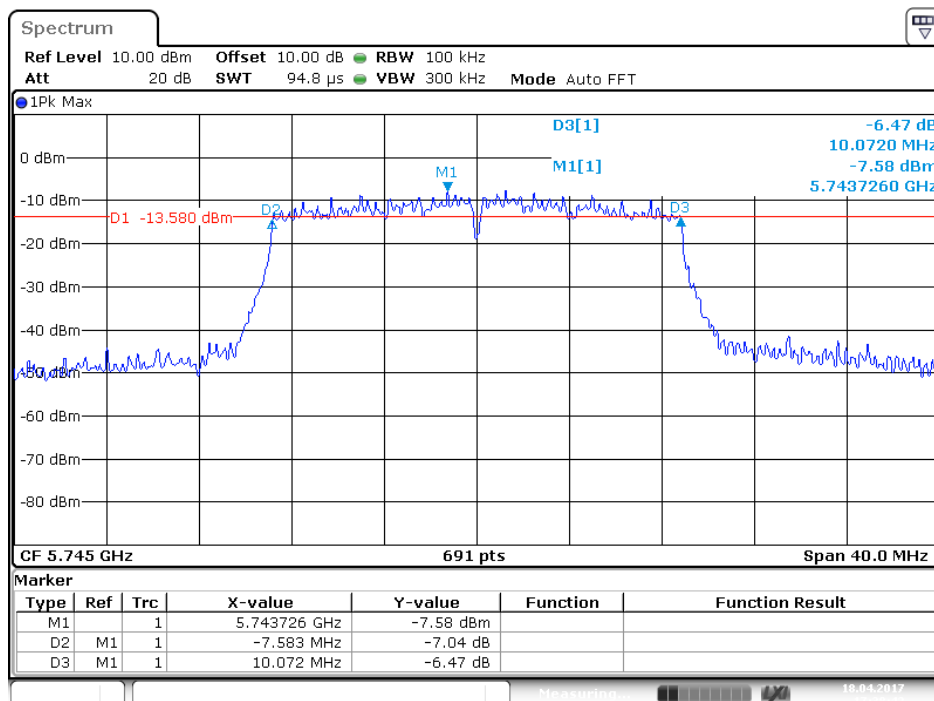


Date: 18.APR.2017 17:37:58

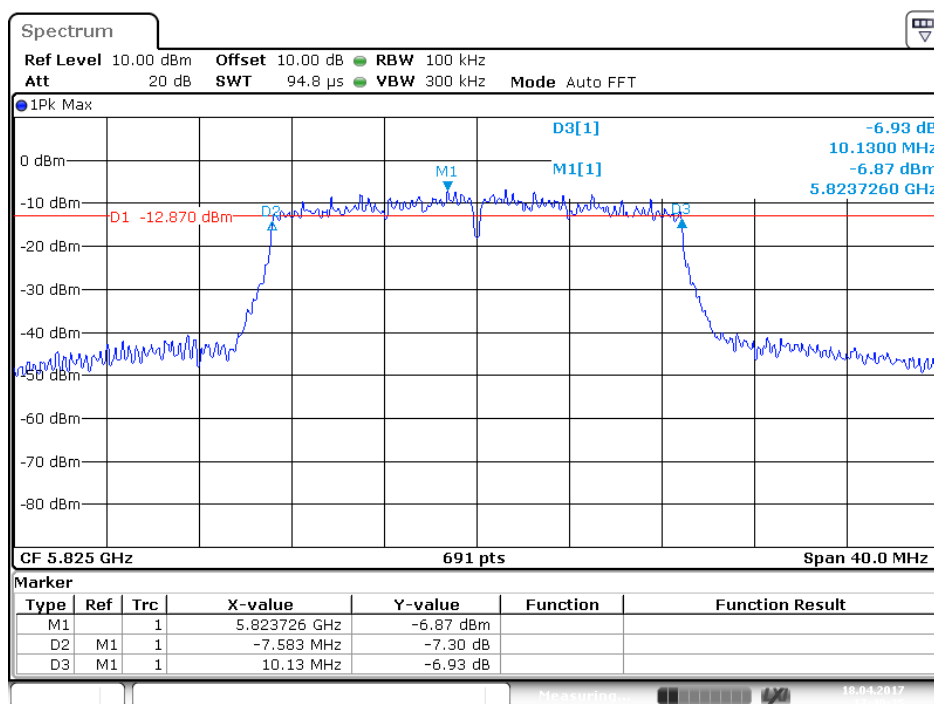


Date: 18.APR.2017 17:36:13

## 802.11ac20

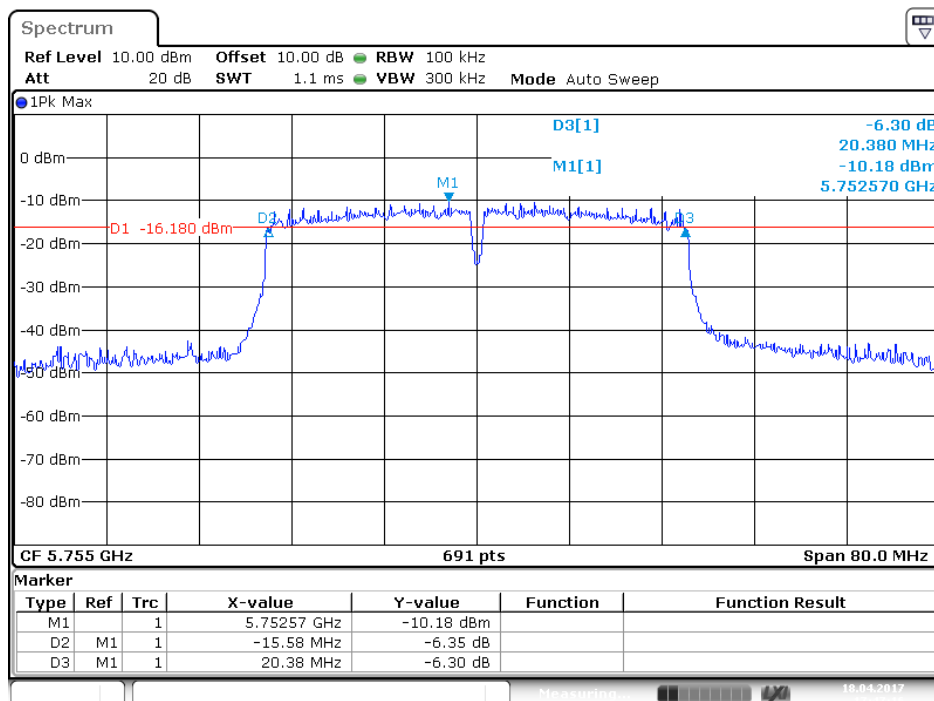


Date: 18.APR.2017 17:38:42

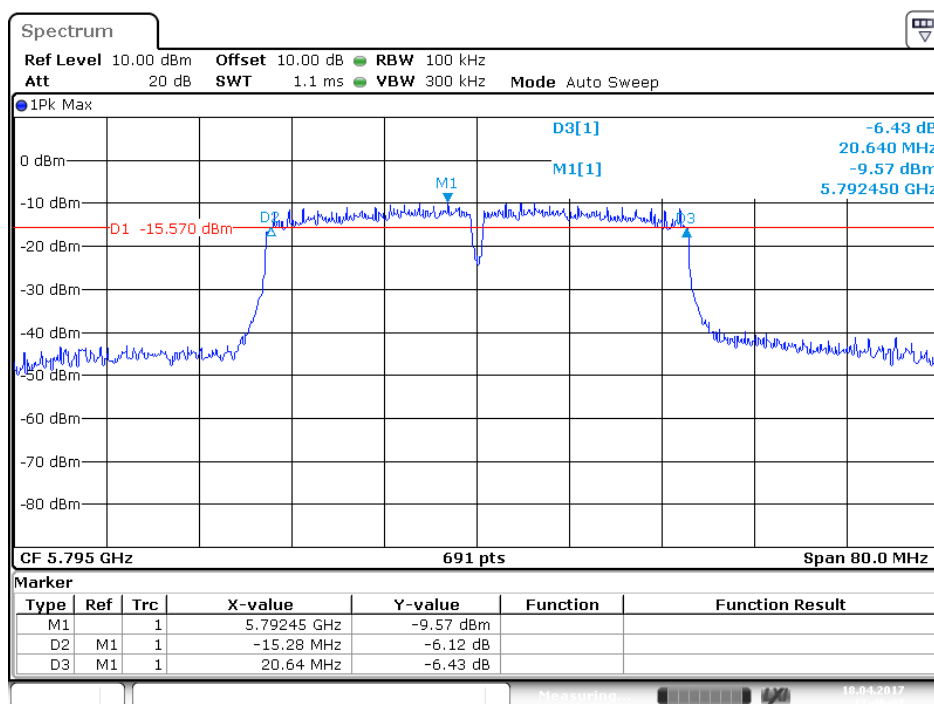


Date: 18.APR.2017 17:40:26

## 802.11N40

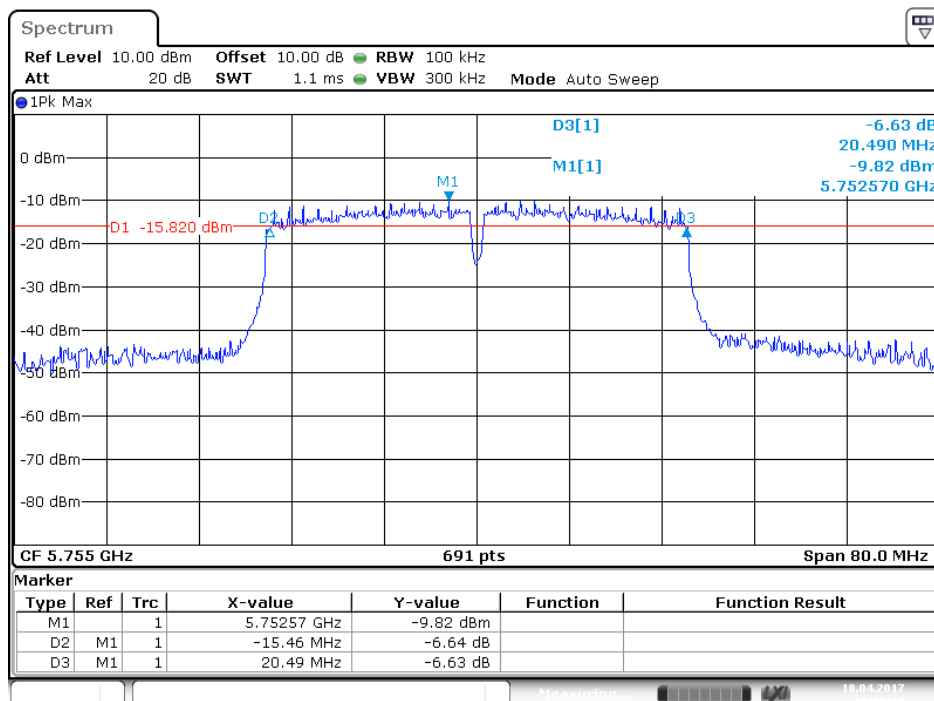


Date: 18.APR.2017 17:47:17

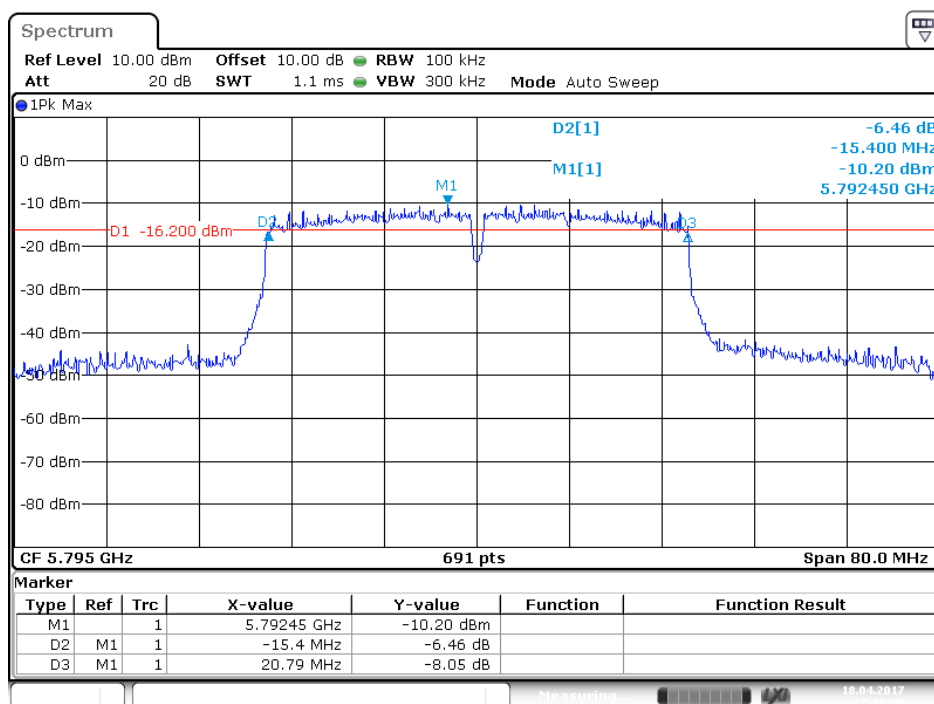


Date: 18.APR.2017 17:46:02

## 802.11ac40

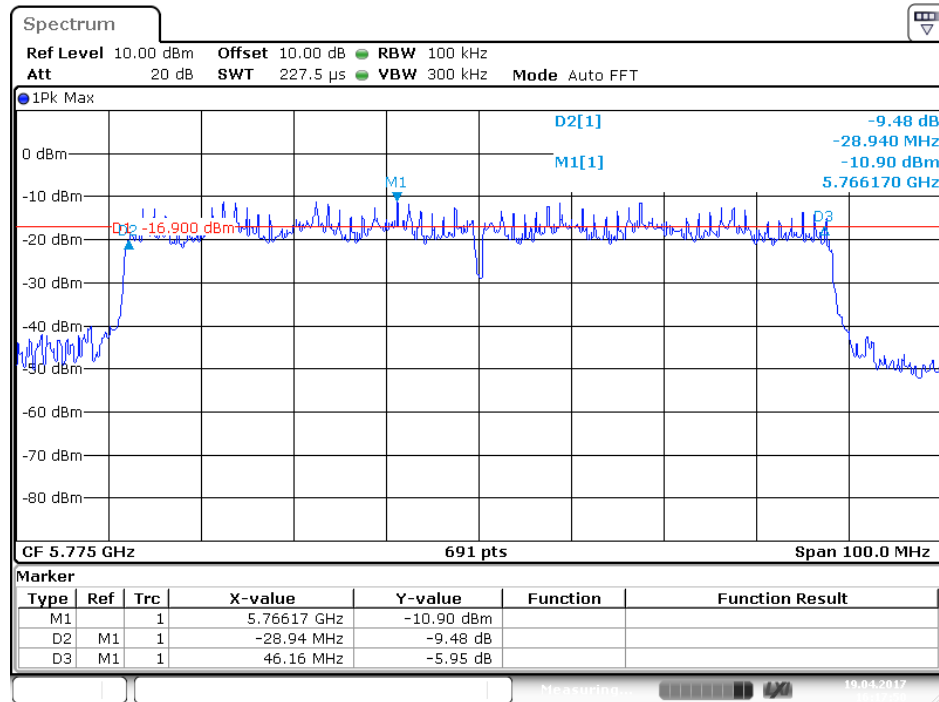


Date: 18.APR.2017 17:48:12



Date: 18.APR.2017 17:50:00

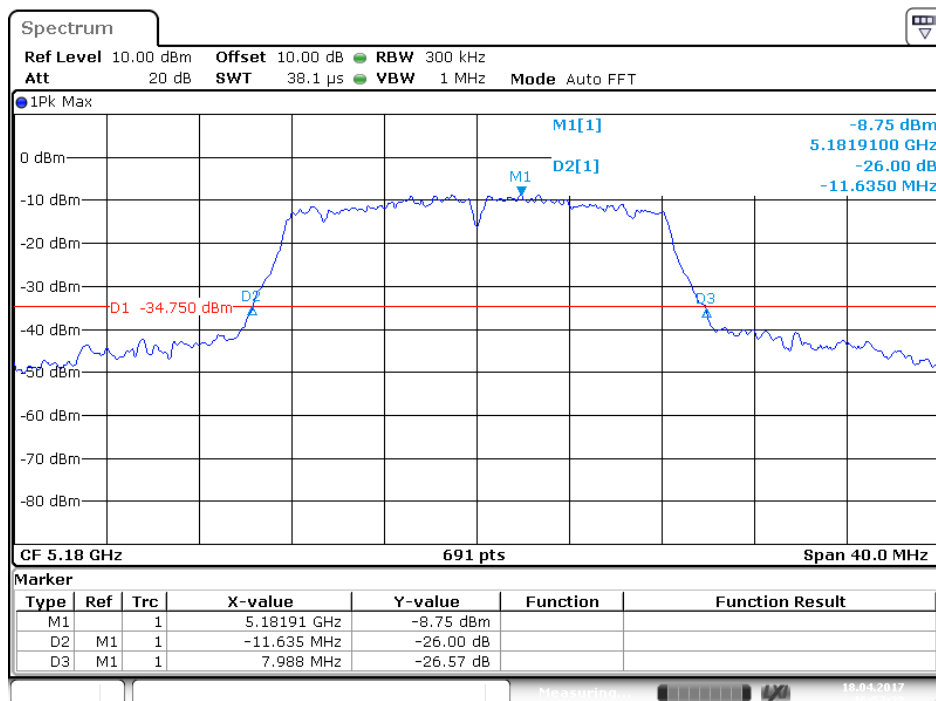
802.11ac80



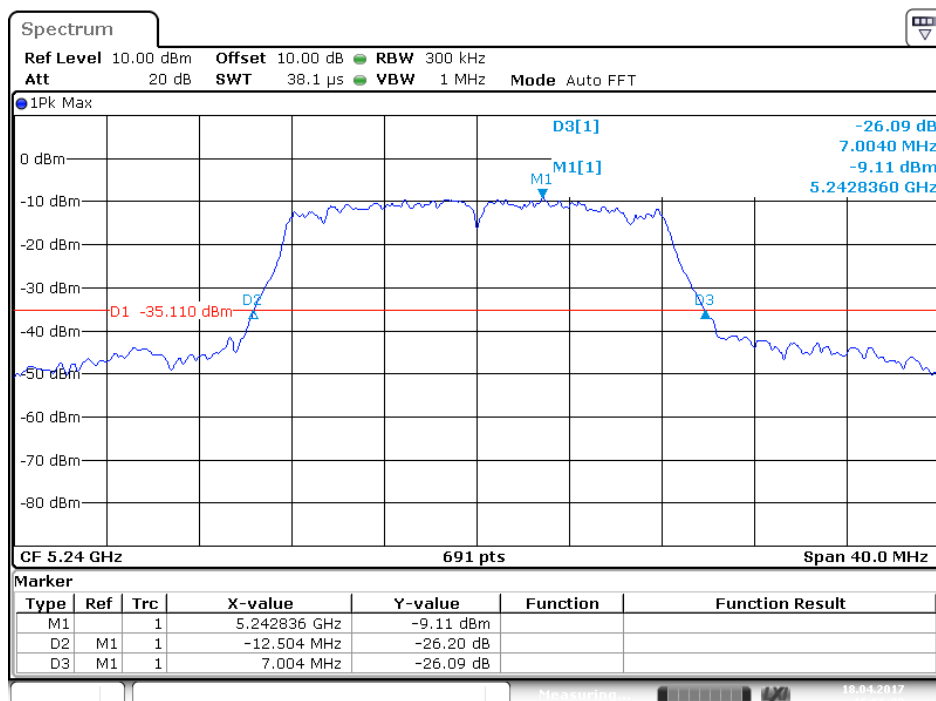
Date: 19.APR.2017 16:17:50

## 26dB Bandwidth Test Result

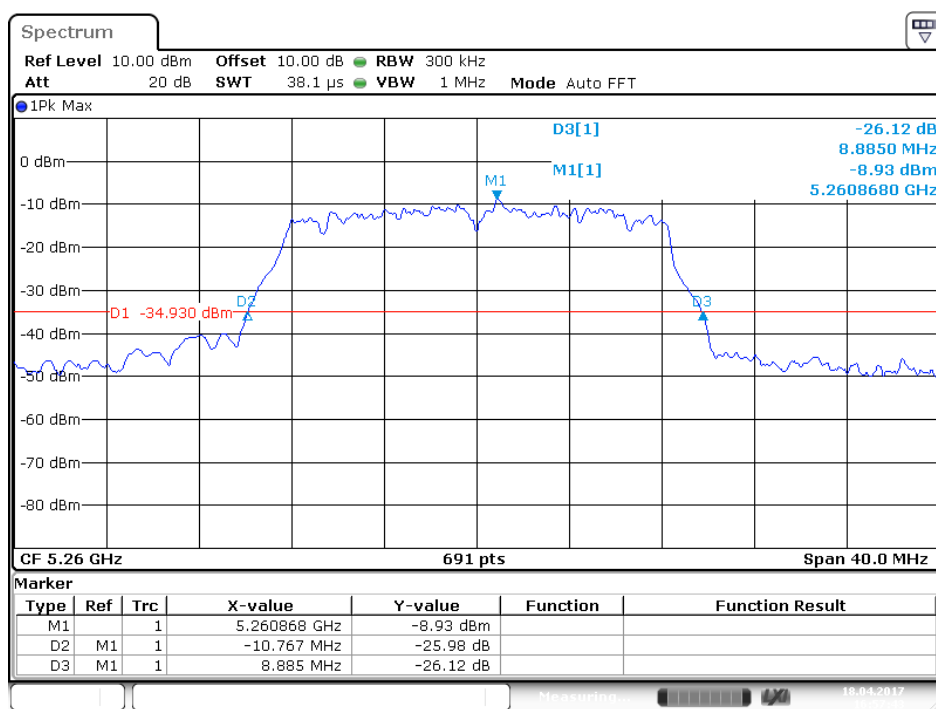
802.11A



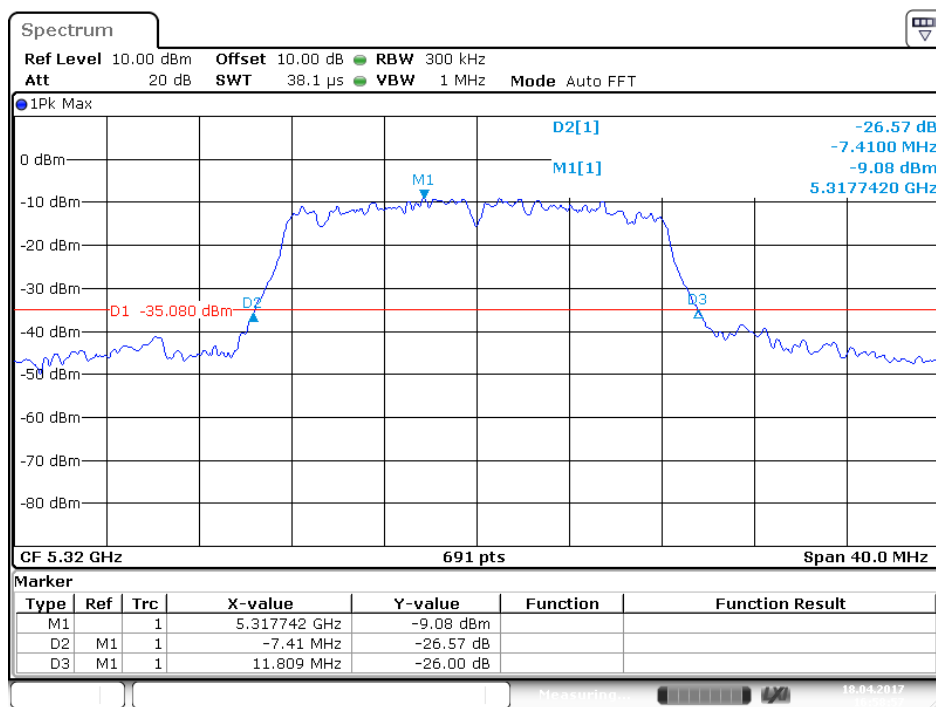
Date: 18.APR.2017 16:53:29



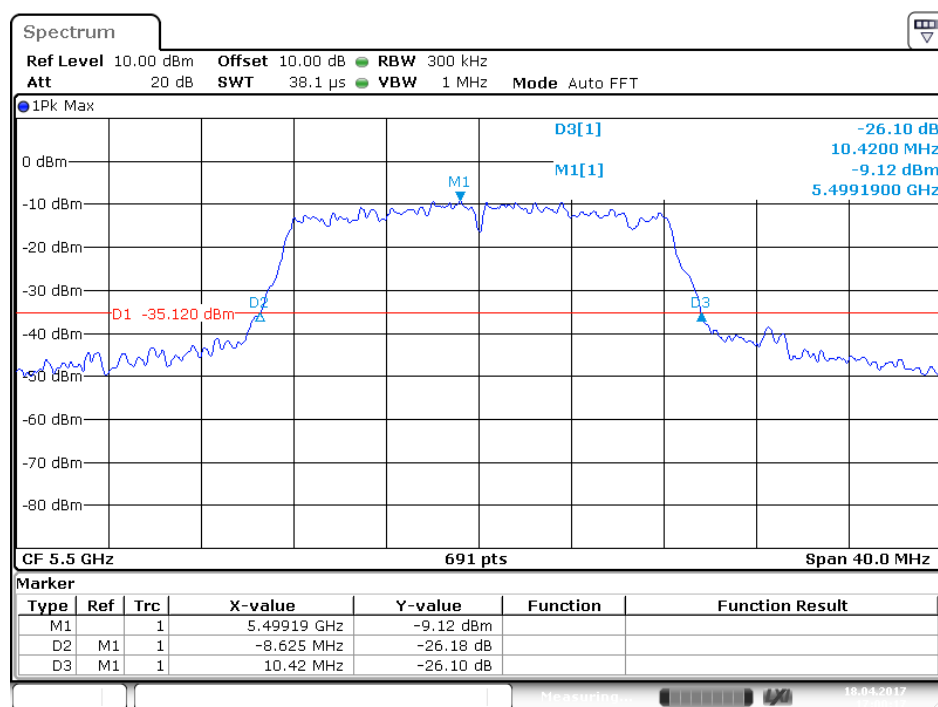
Date: 18.APR.2017 16:56:01



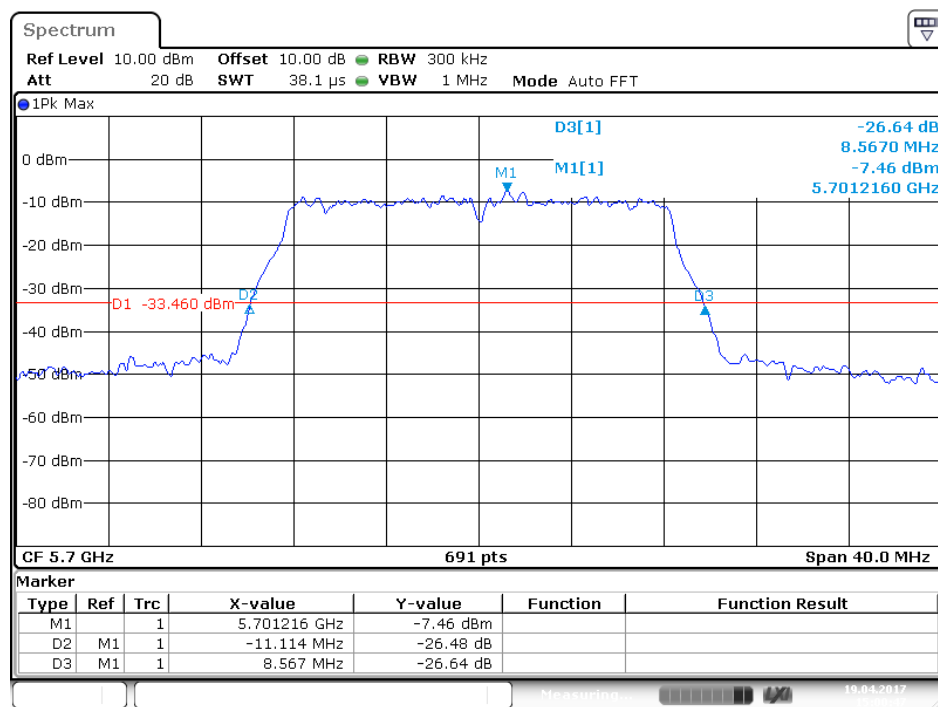
Date: 18.APR.2017 16:57:43



Date: 18.APR.2017 16:58:58

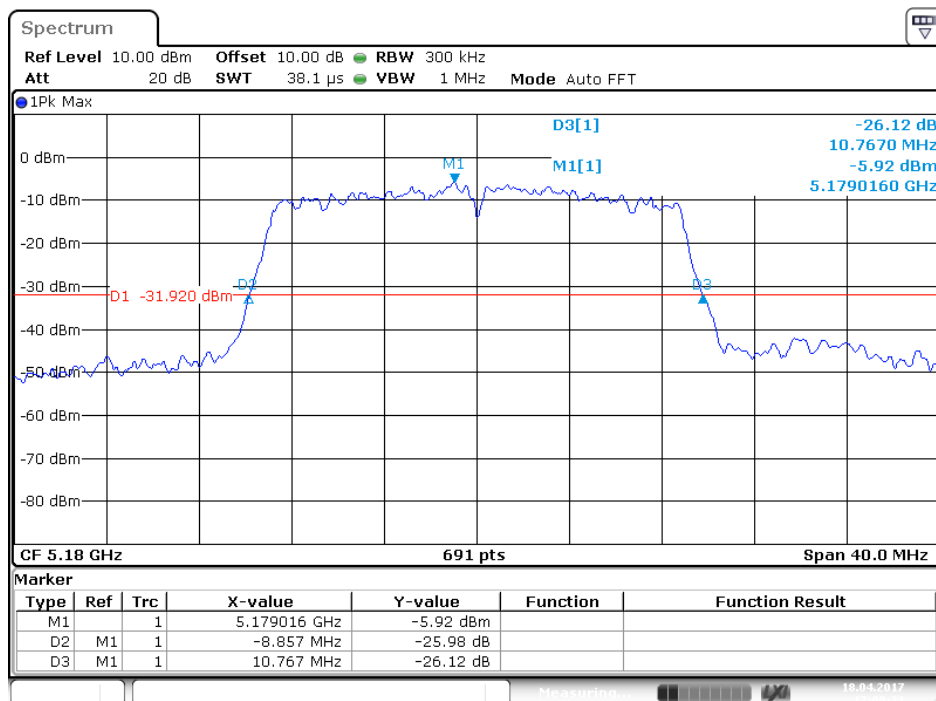


Date: 18.APR.2017 17:00:18

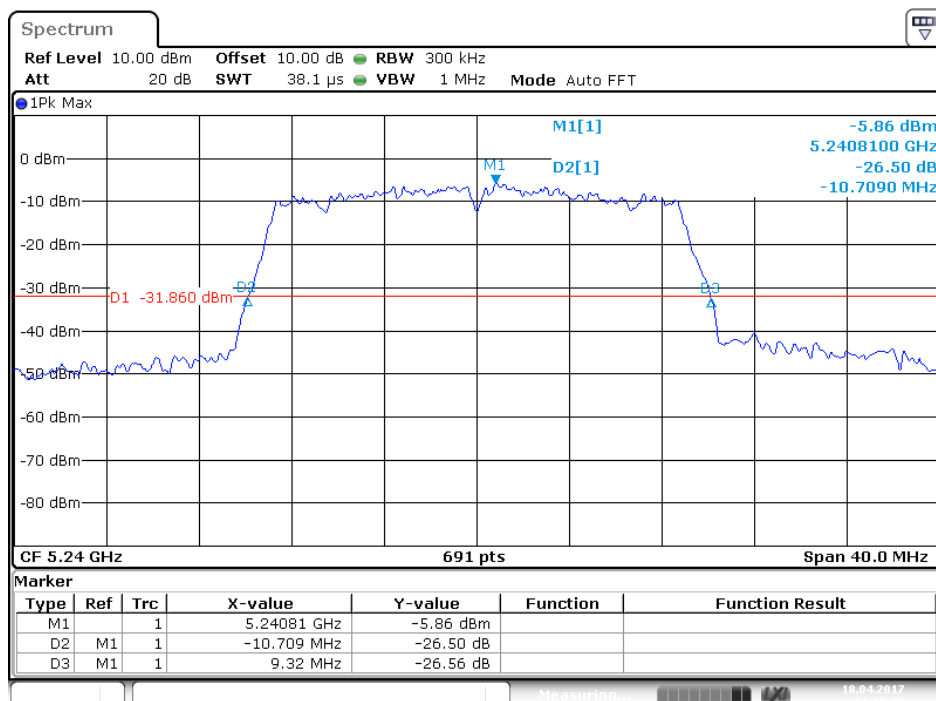


Date: 19.APR.2017 15:00:47

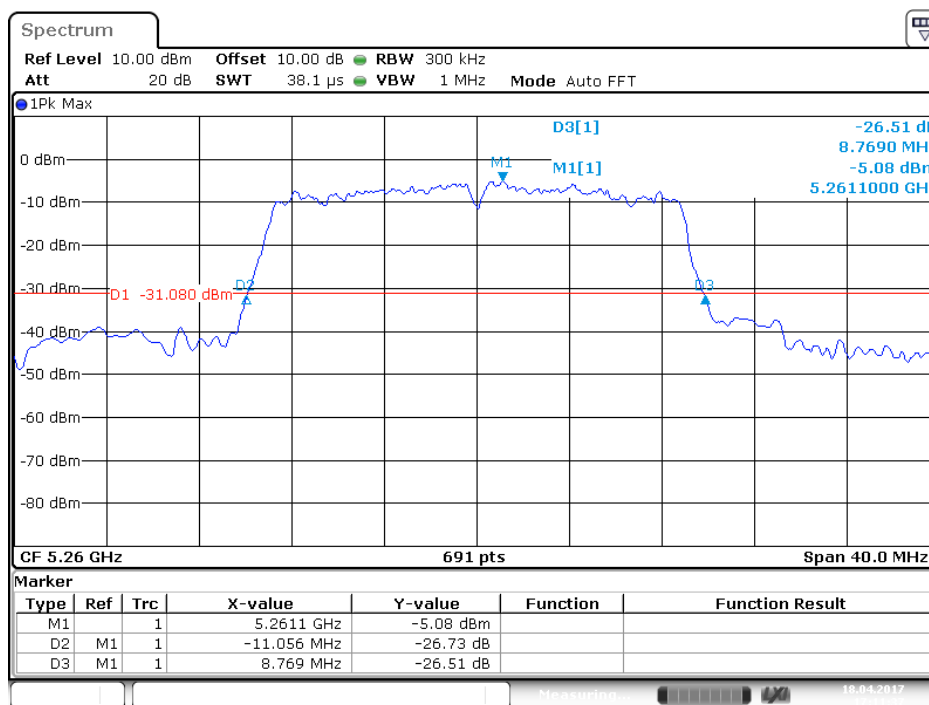
## 802.11N20



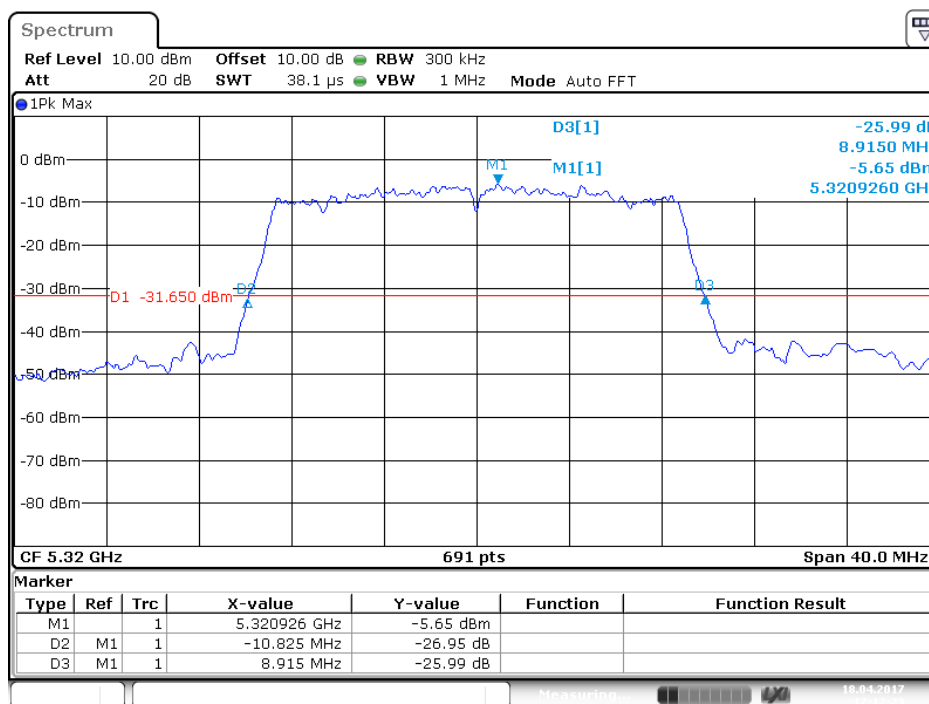
Date: 18.APR.2017 17:09:30



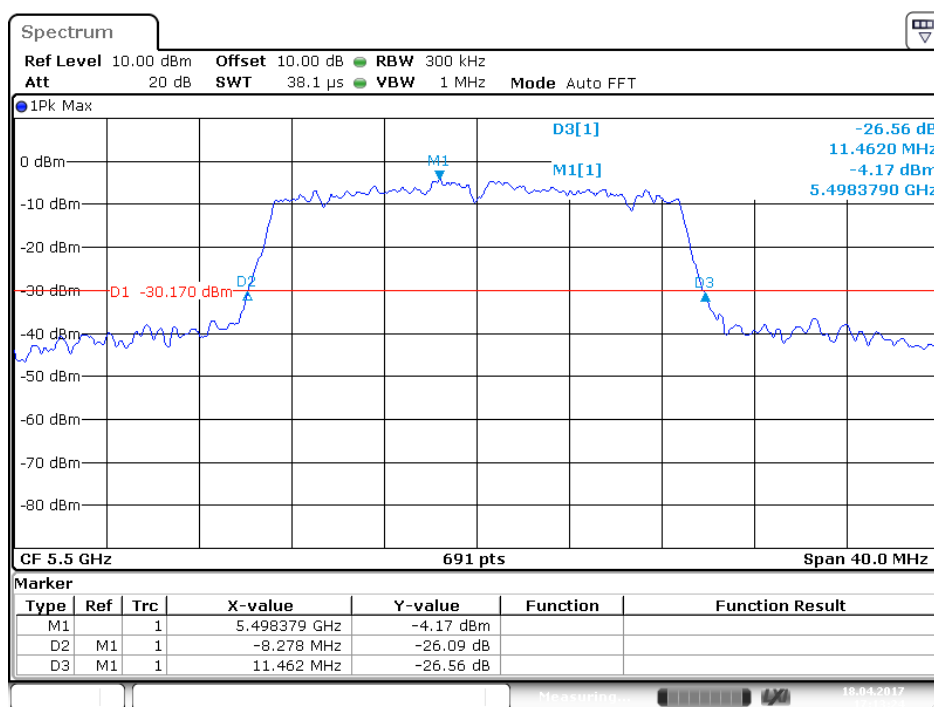
Date: 18.APR.2017 17:10:30



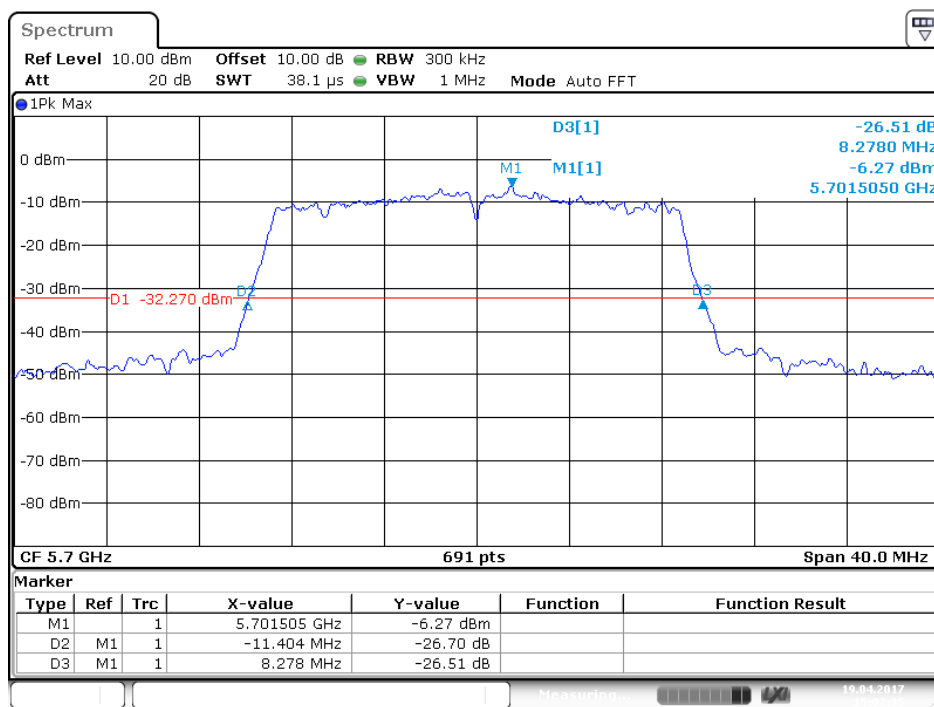
Date: 18.APR.2017 17:11:38



Date: 18.APR.2017 17:12:22

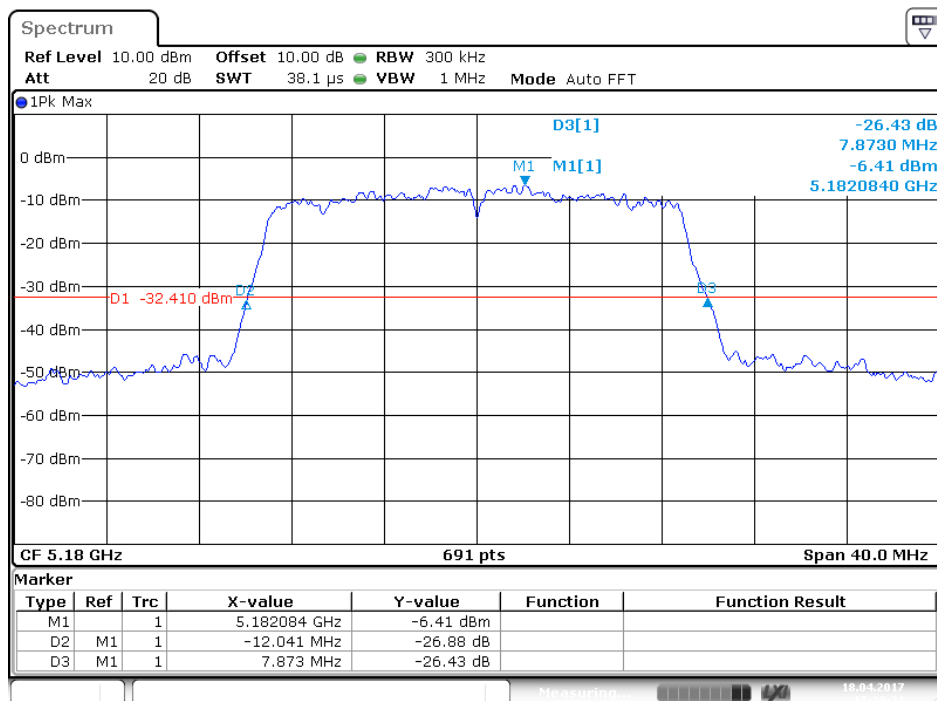


Date: 18.APR.2017 17:13:23

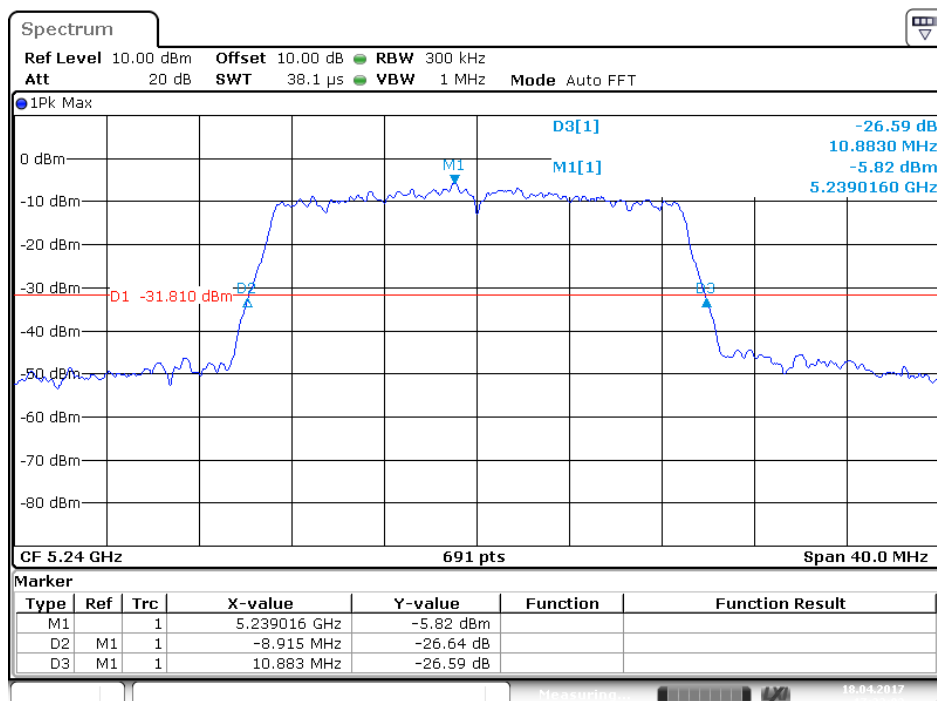


Date: 19.APR.2017 15:02:35

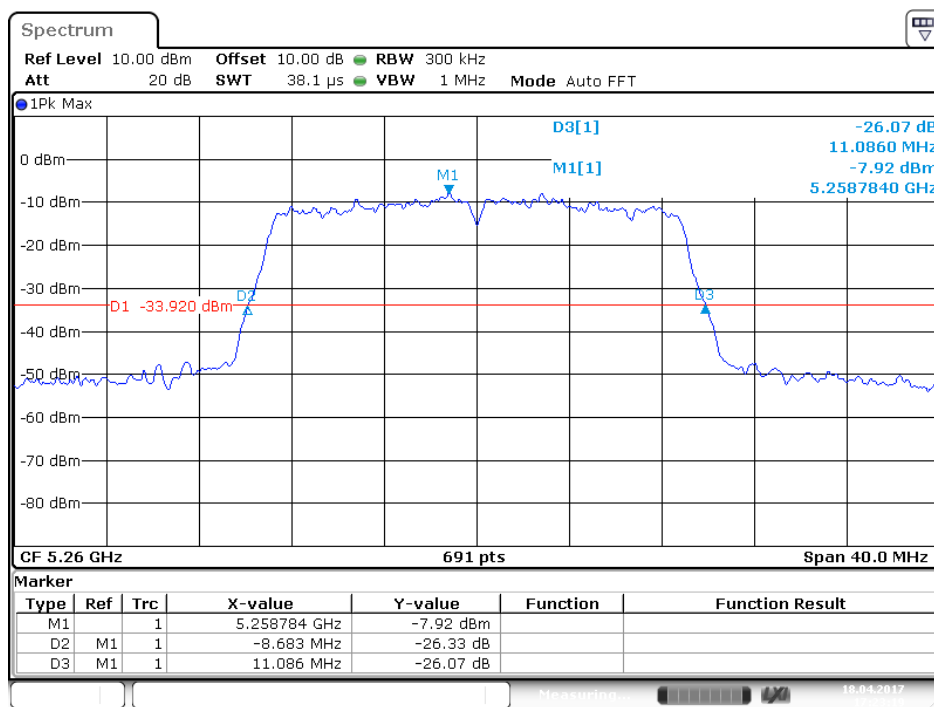
## 802.11ac20



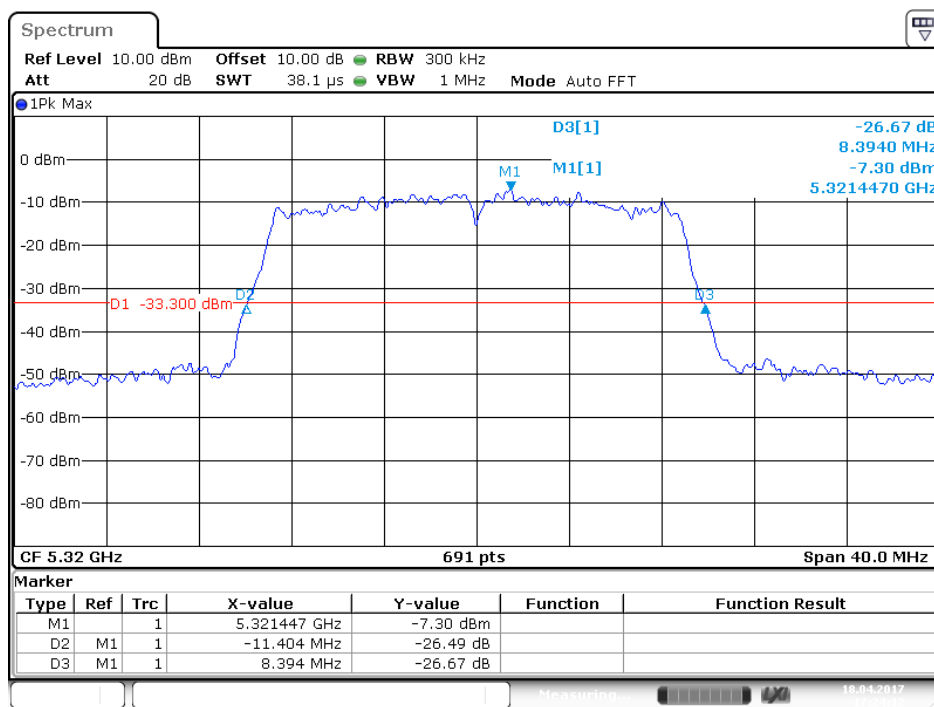
Date: 18.APR.2017 17:20:22



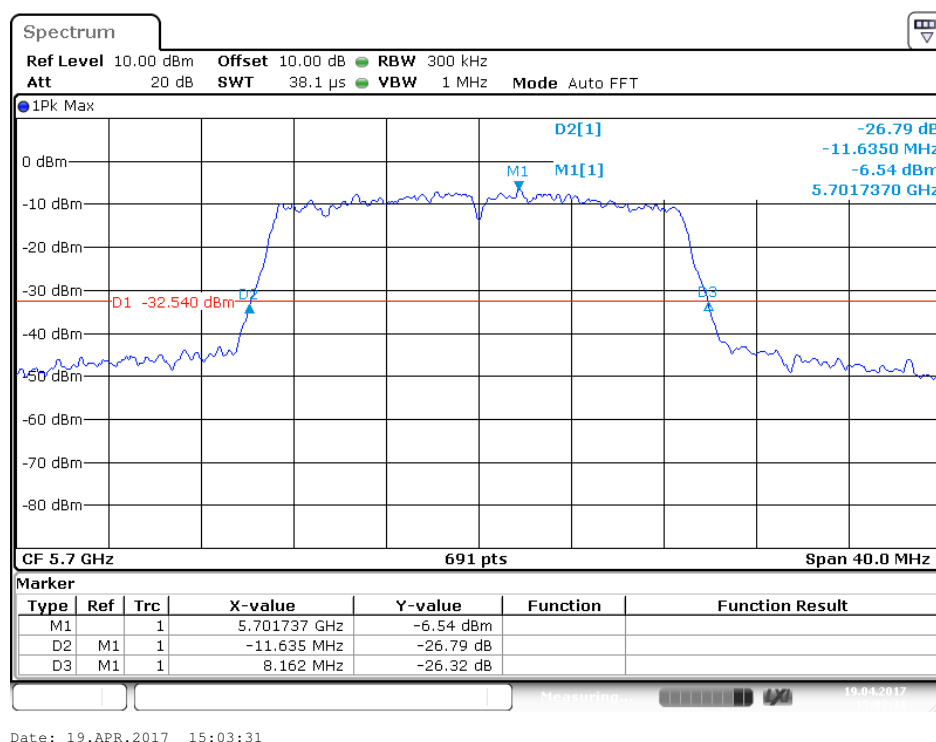
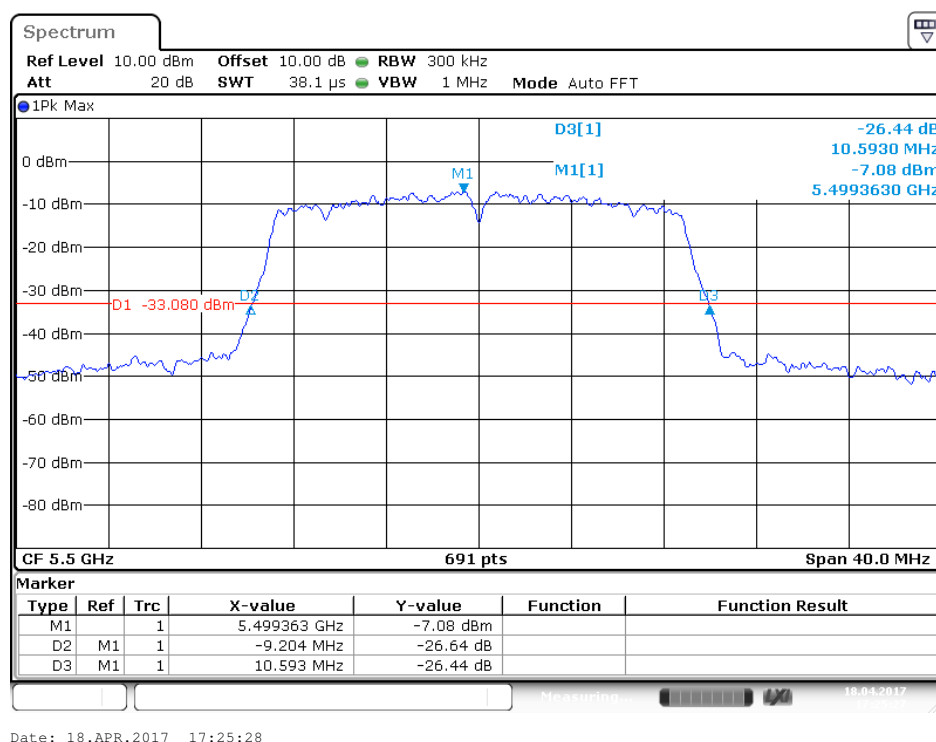
Date: 18.APR.2017 17:22:03



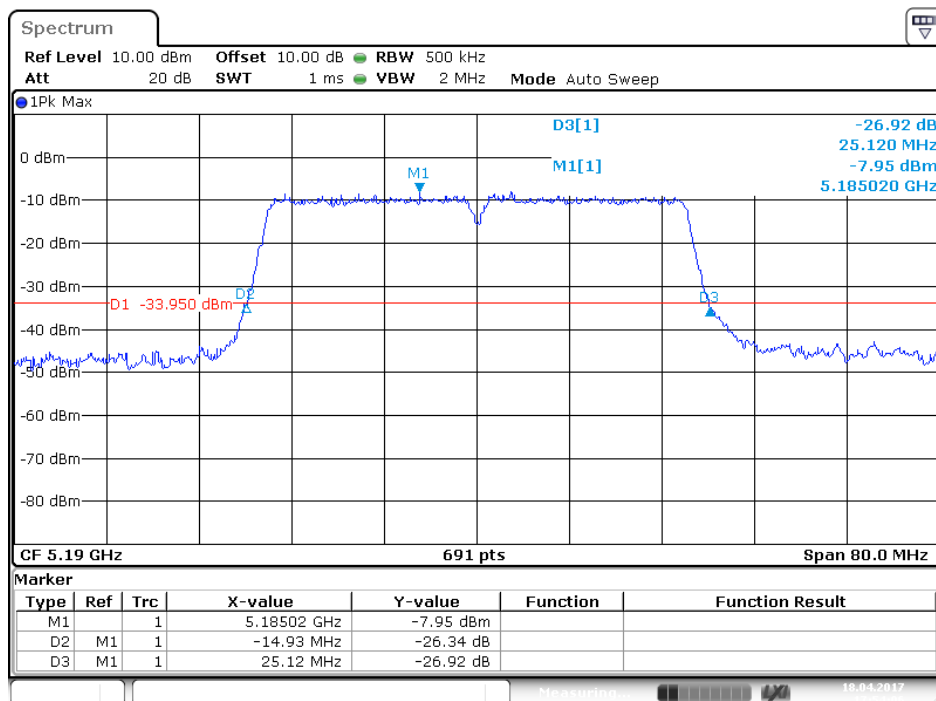
Date: 18.APR.2017 17:23:20



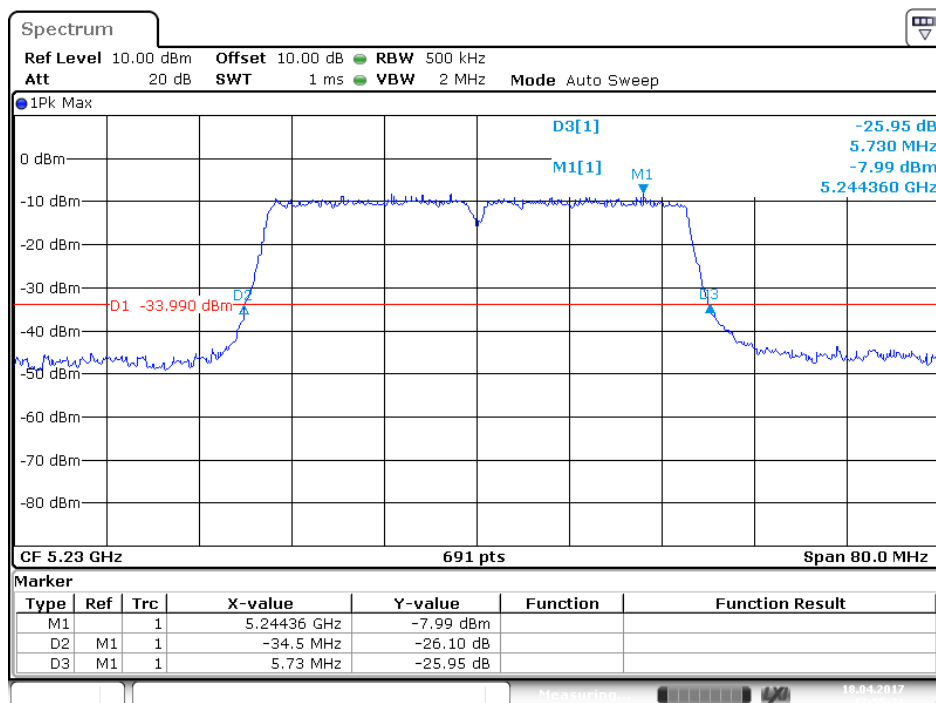
Date: 18.APR.2017 17:24:13



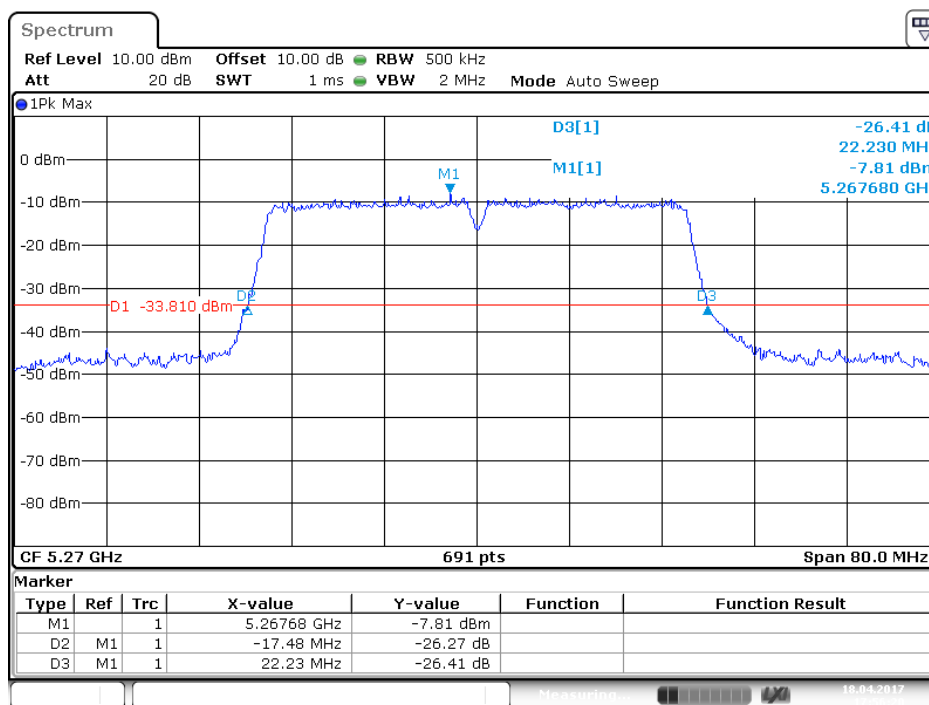
## 802.11N40



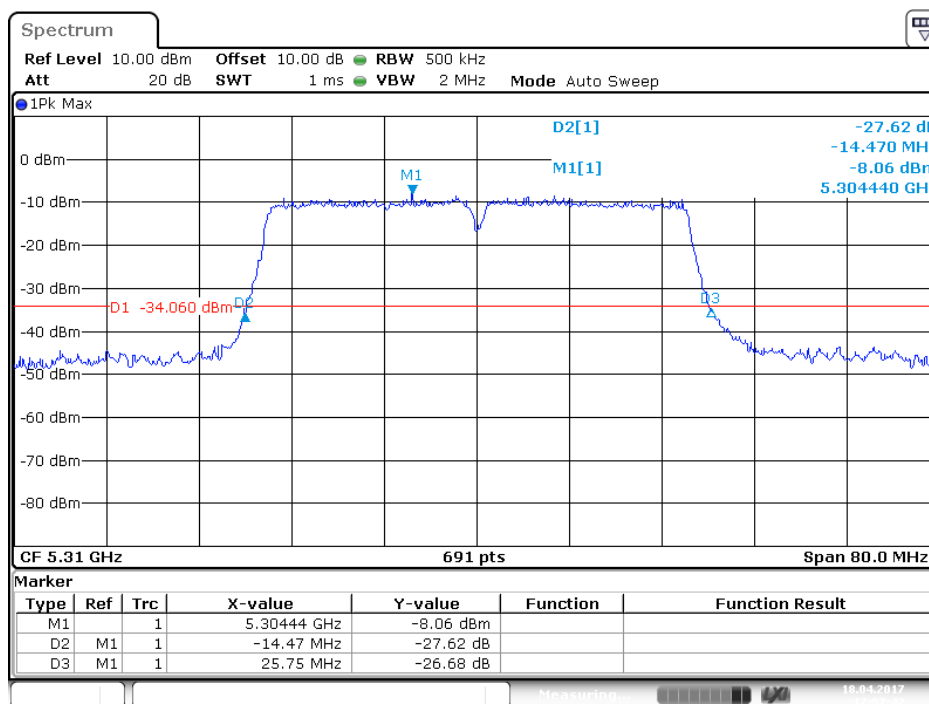
Date: 18.APR.2017 17:54:07



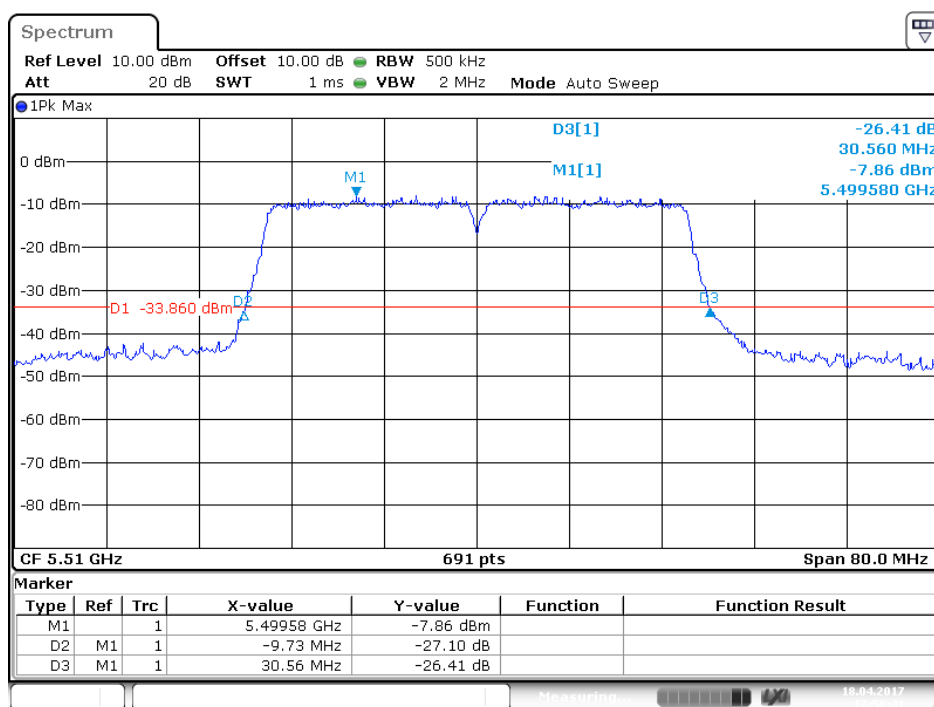
Date: 18.APR.2017 17:55:21



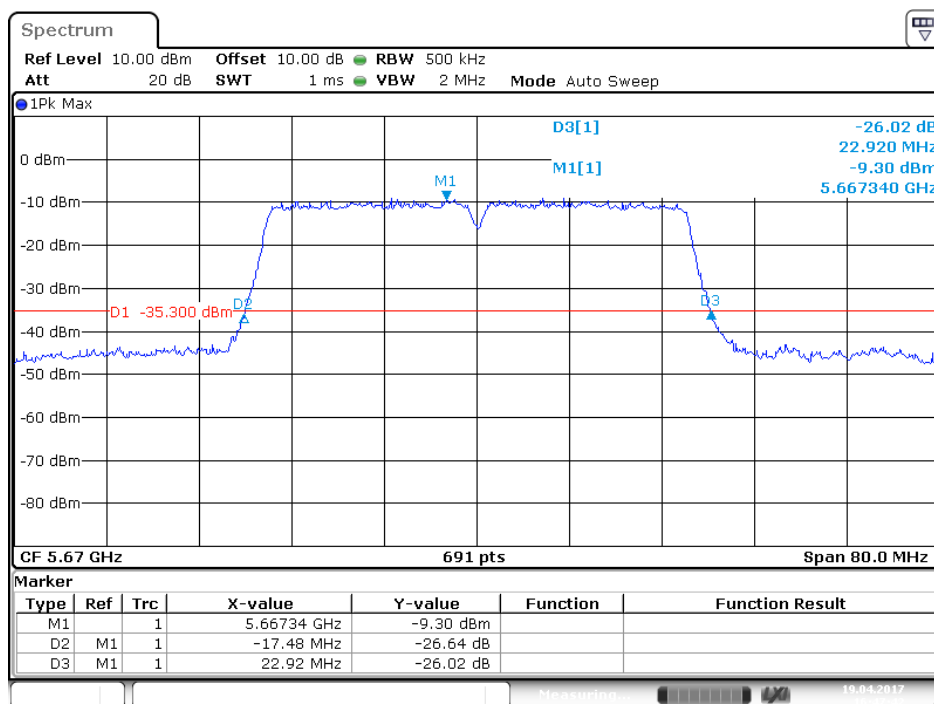
Date: 18.APR.2017 17:56:21



Date: 18.APR.2017 17:57:43

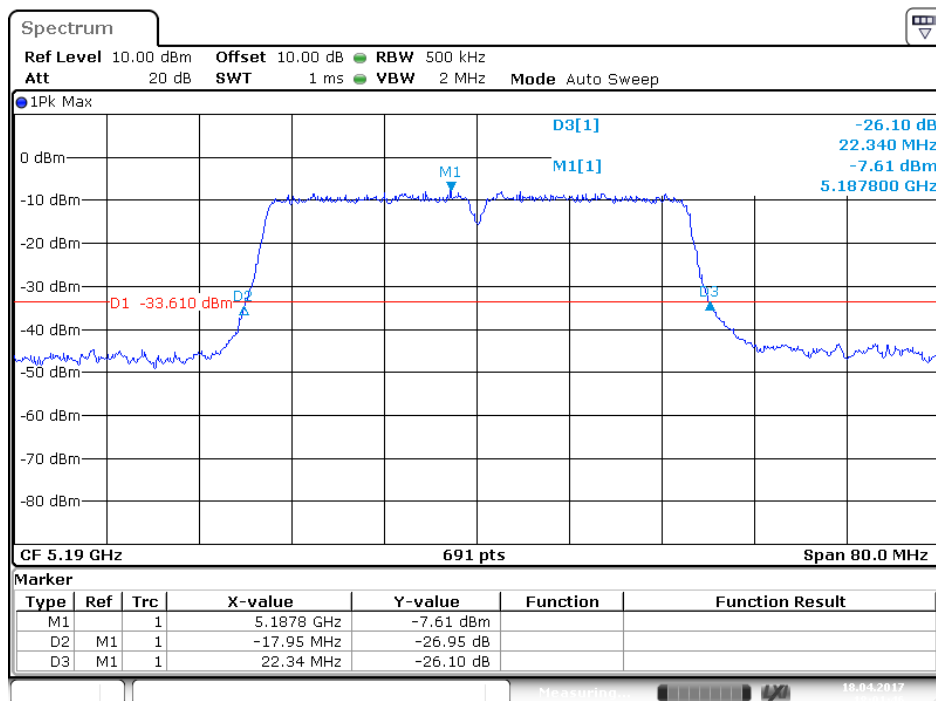


Date: 18.APR.2017 17:58:40

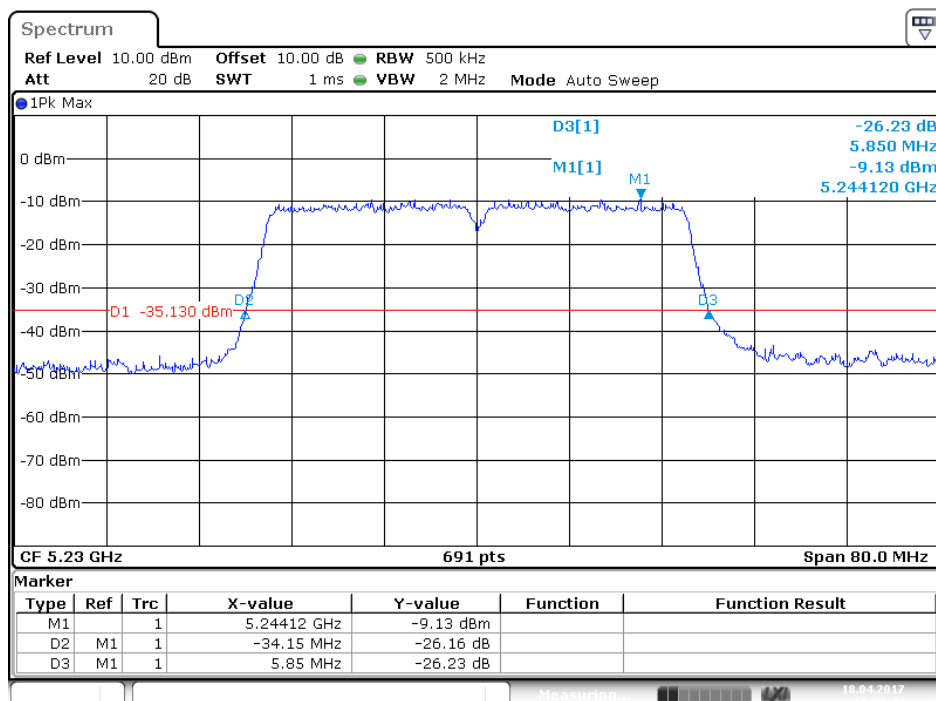


Date: 19.APR.2017 16:47:42

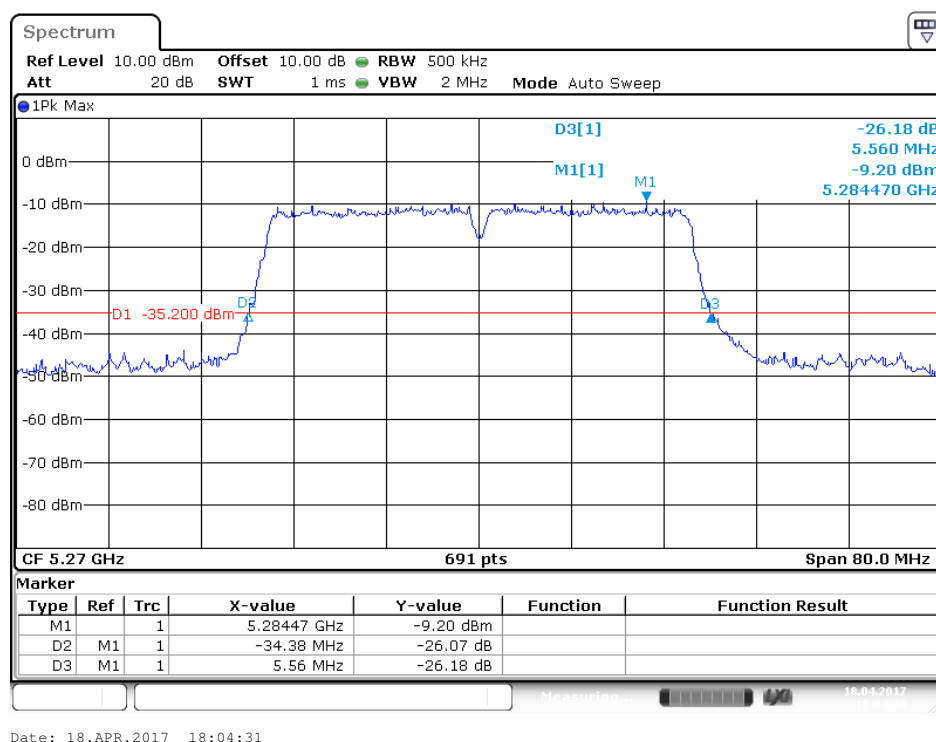
## 802.11ac40



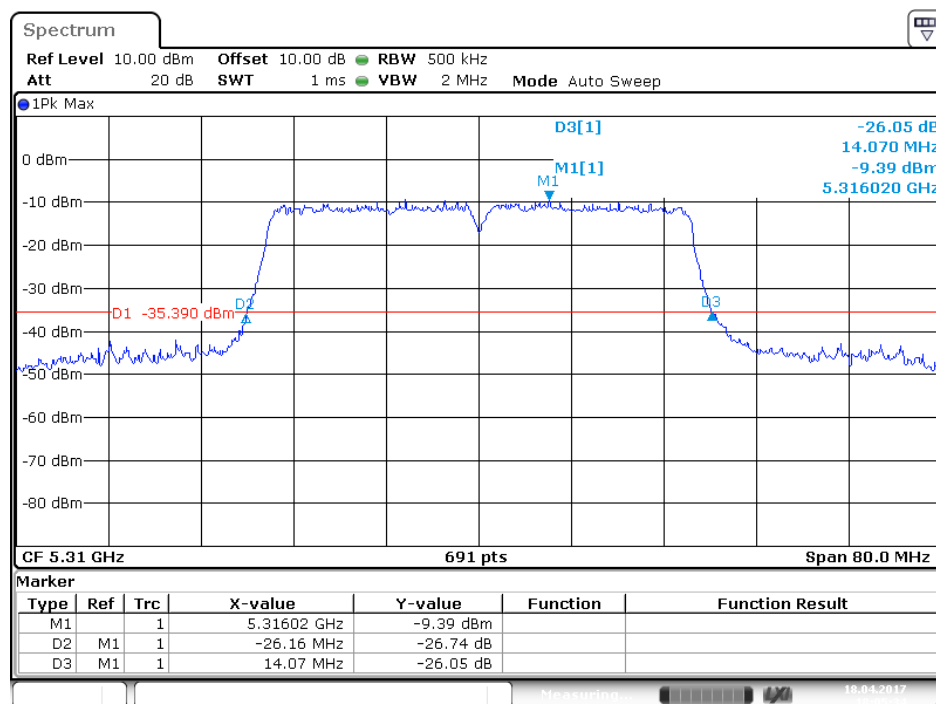
Date: 18.APR.2017 18:01:47



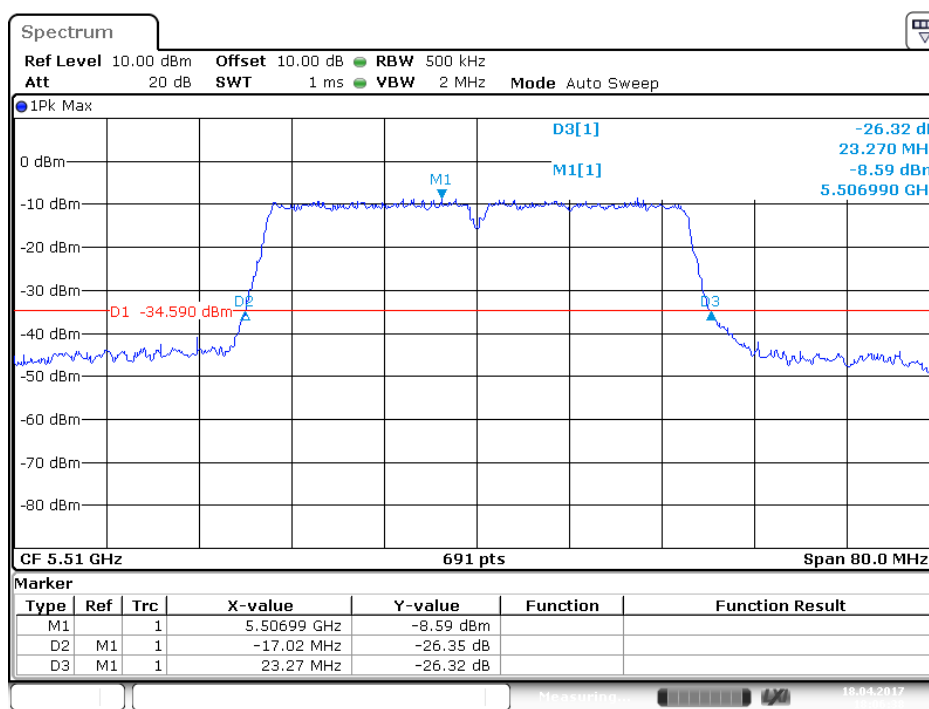
Date: 18.APR.2017 18:03:44



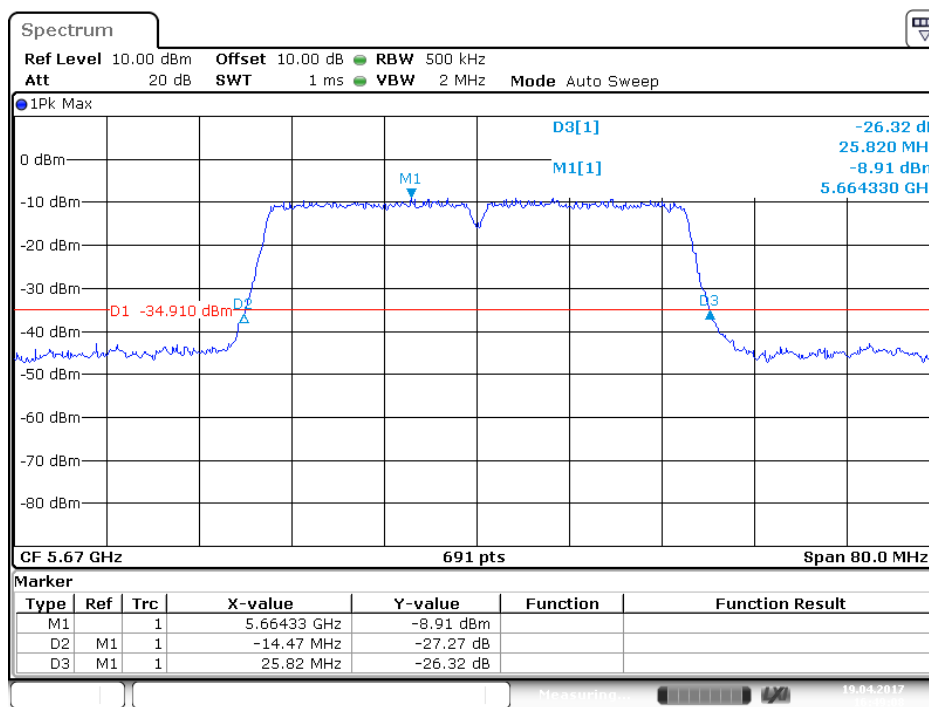
Date: 18.APR.2017 18:04:31



Date: 18.APR.2017 18:05:35

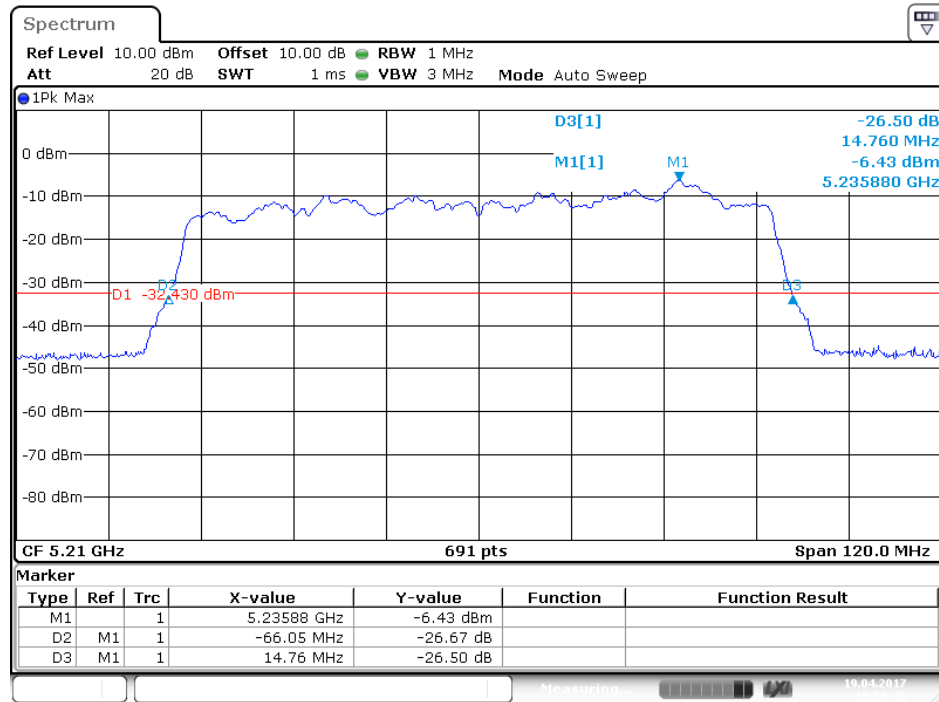


Date: 18.APR.2017 18:06:38

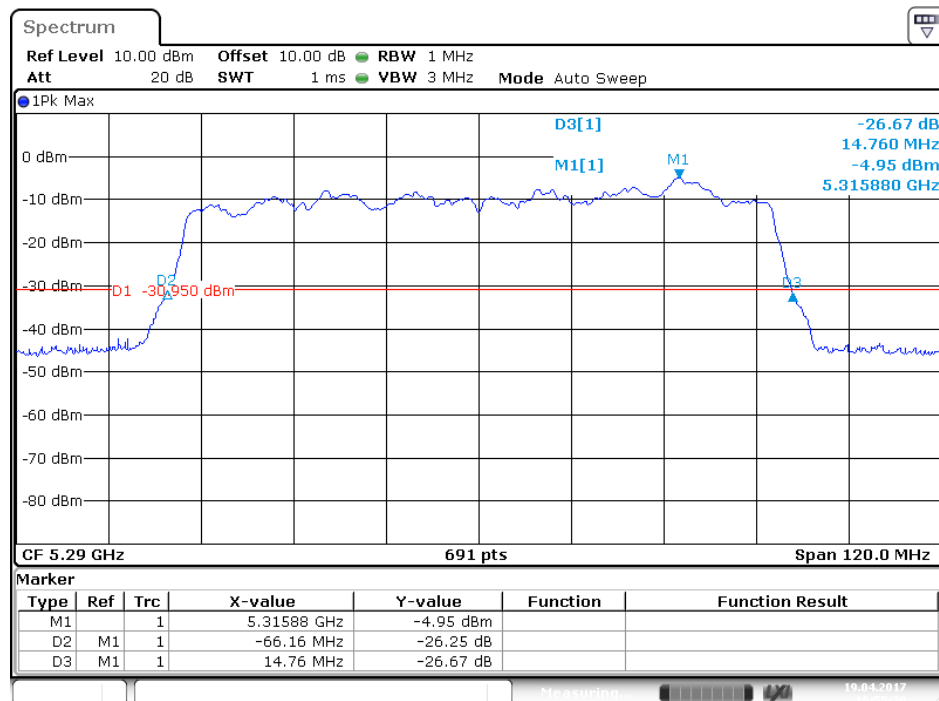


Date: 19.APR.2017 16:49:08

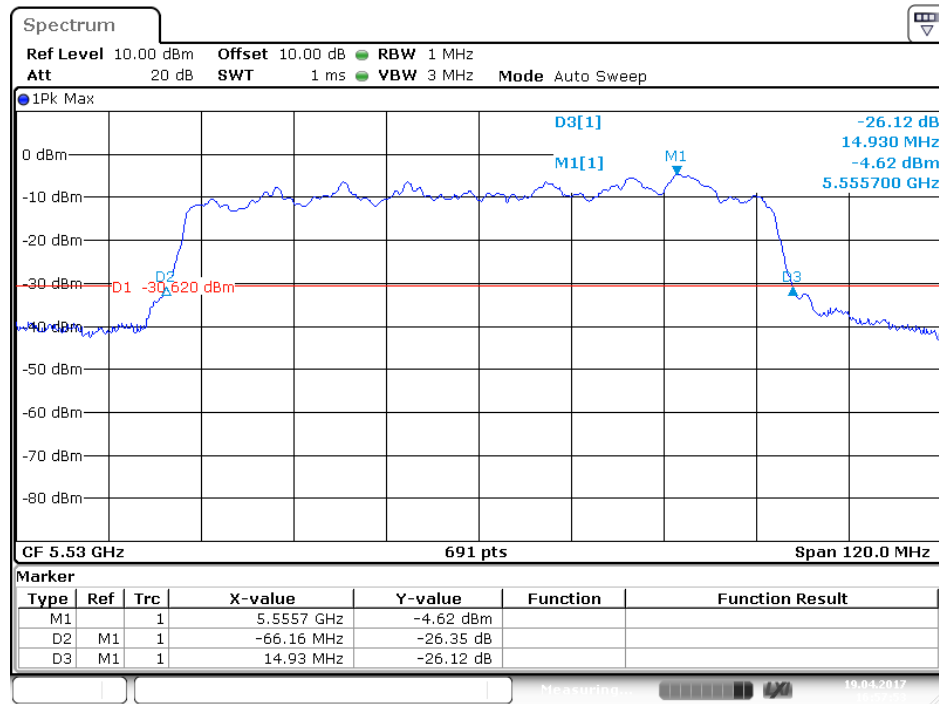
802.11ac80



Date: 19.APR.2017 16:56:46



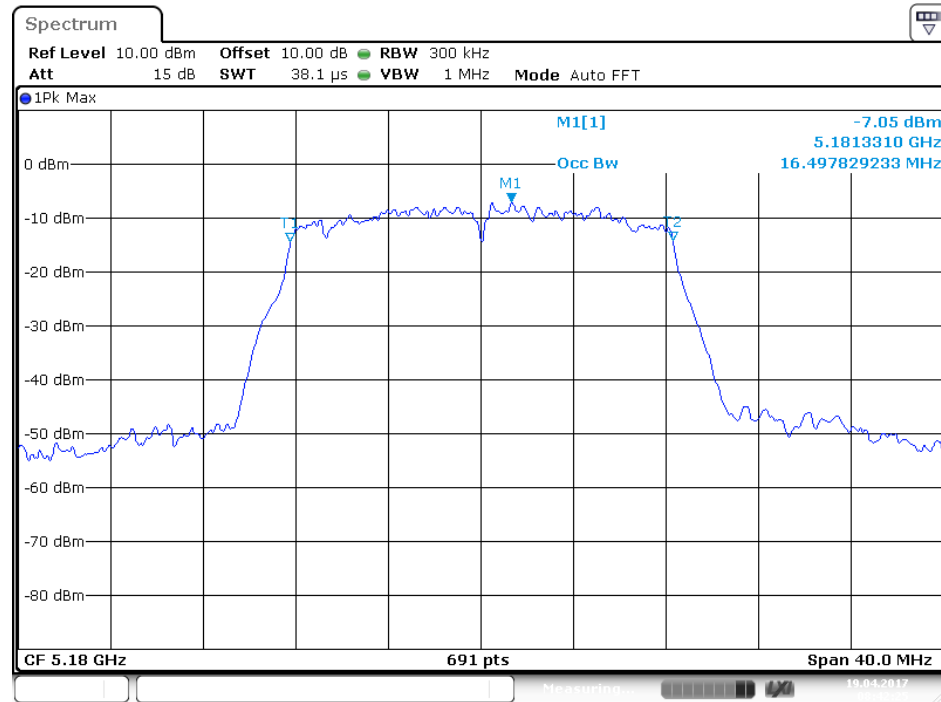
Date: 19.APR.2017 16:55:29



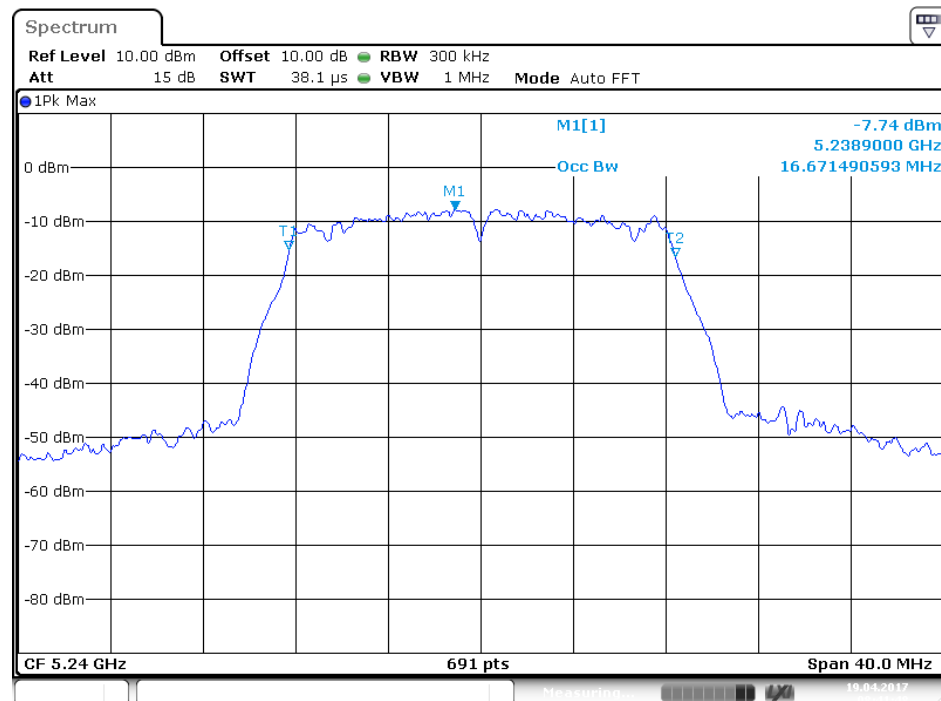
Date: 19.APR.2017 16:57:53

## 99% Bandwidth Test Result

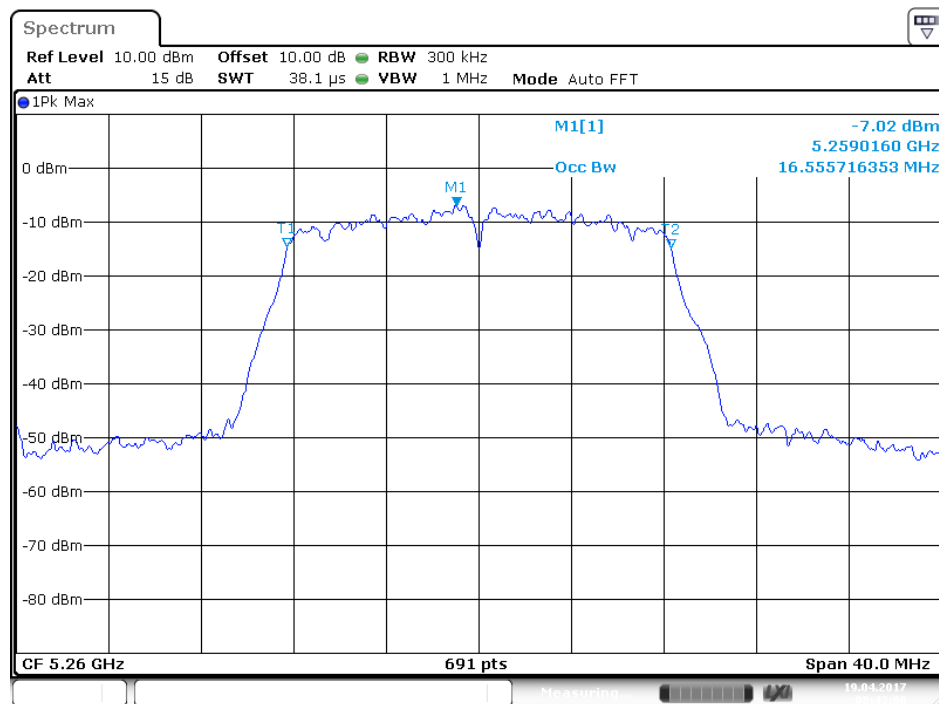
802.11A



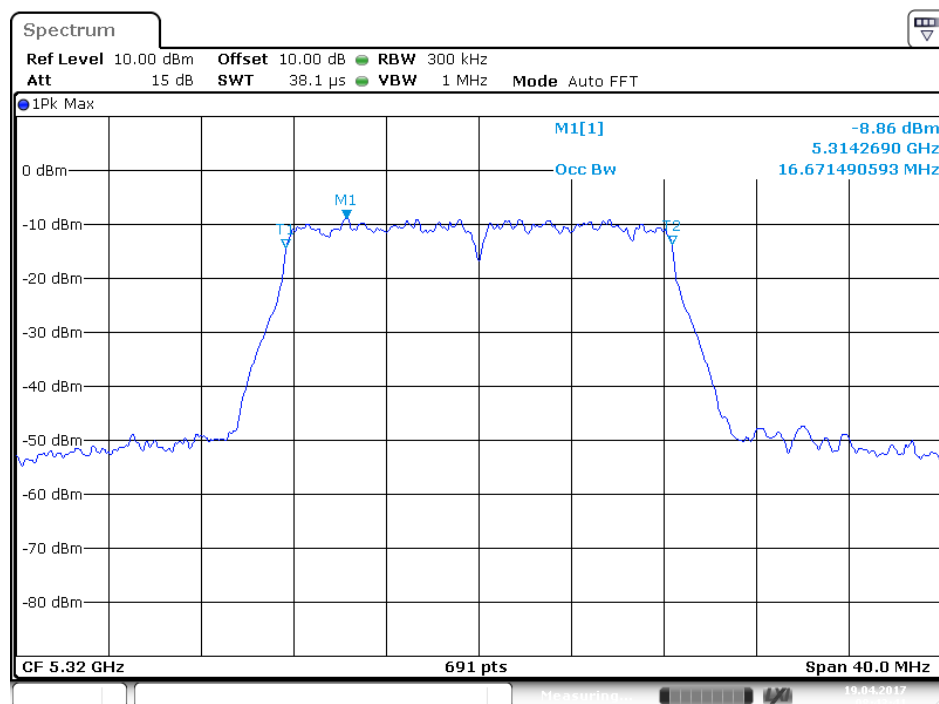
Date: 19.APR.2017 08:42:25



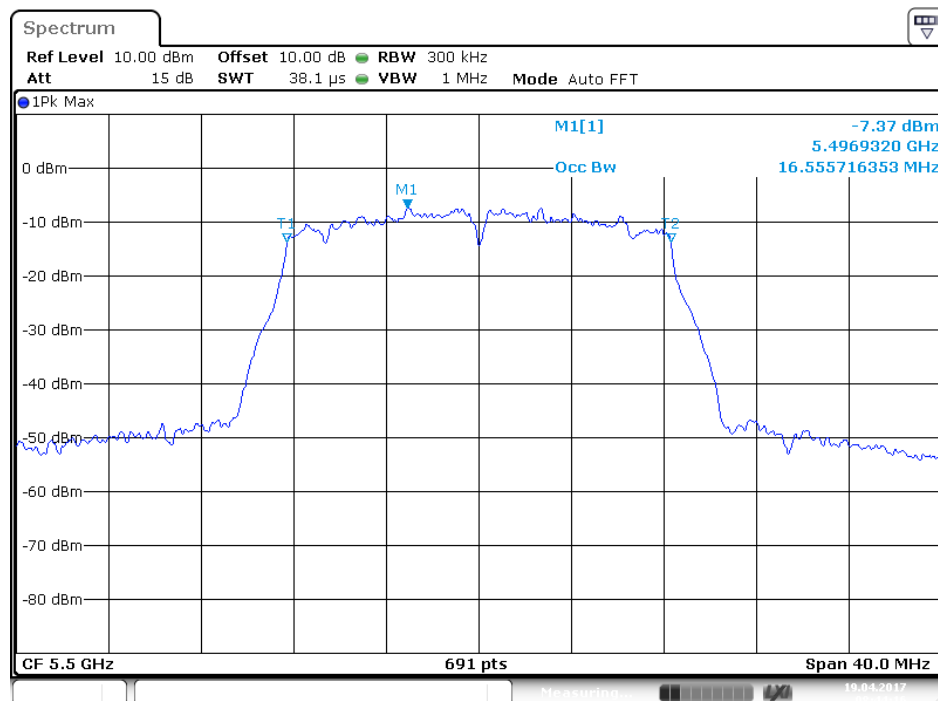
Date: 19.APR.2017 08:41:48



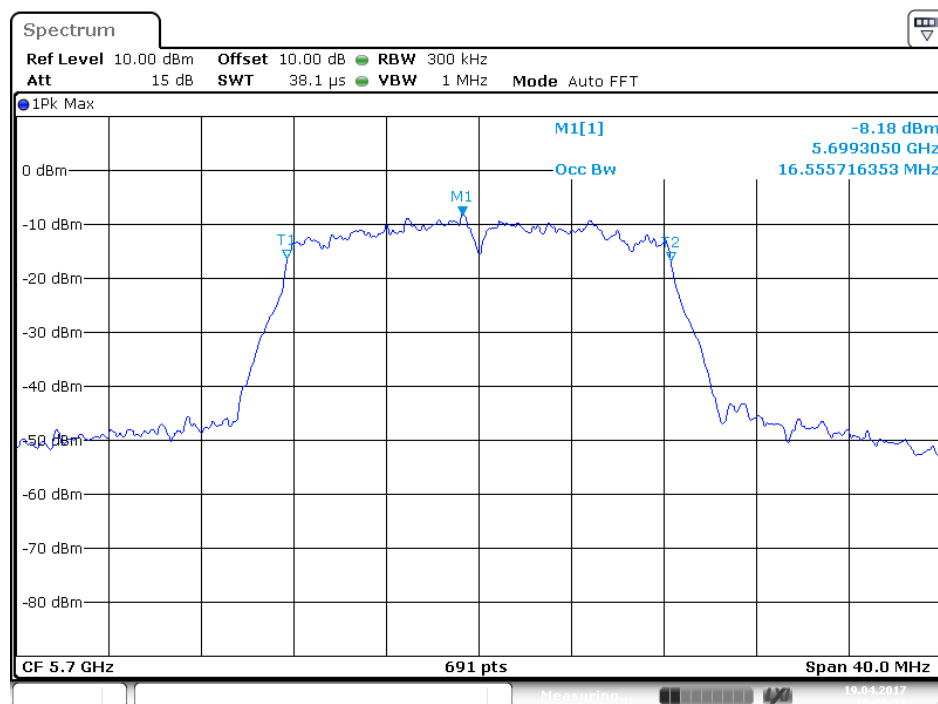
Date: 19.APR.2017 08:43:01



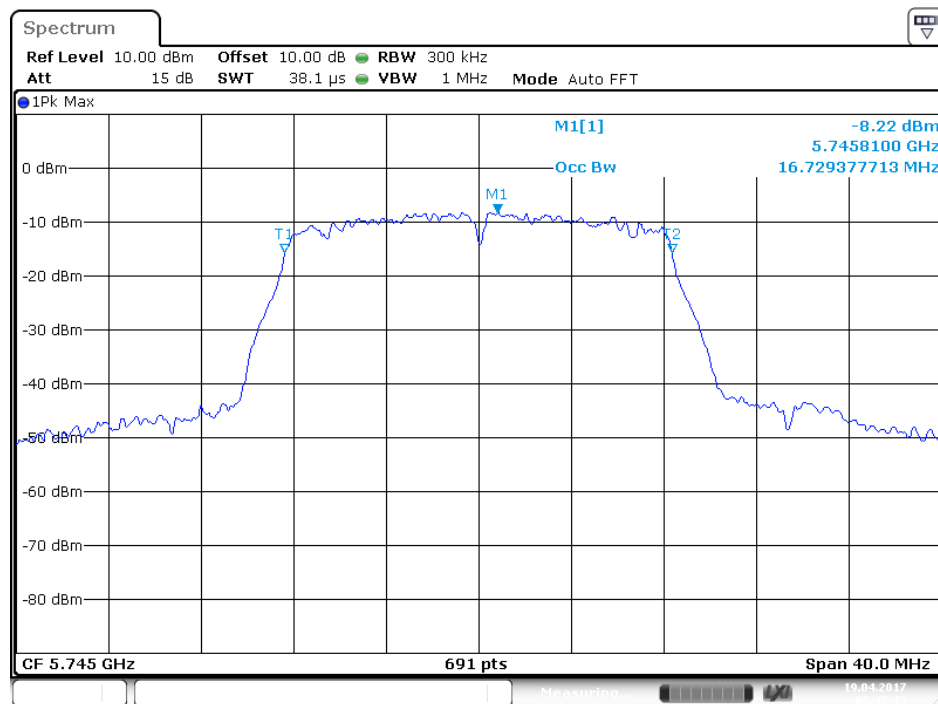
Date: 19.APR.2017 08:43:41



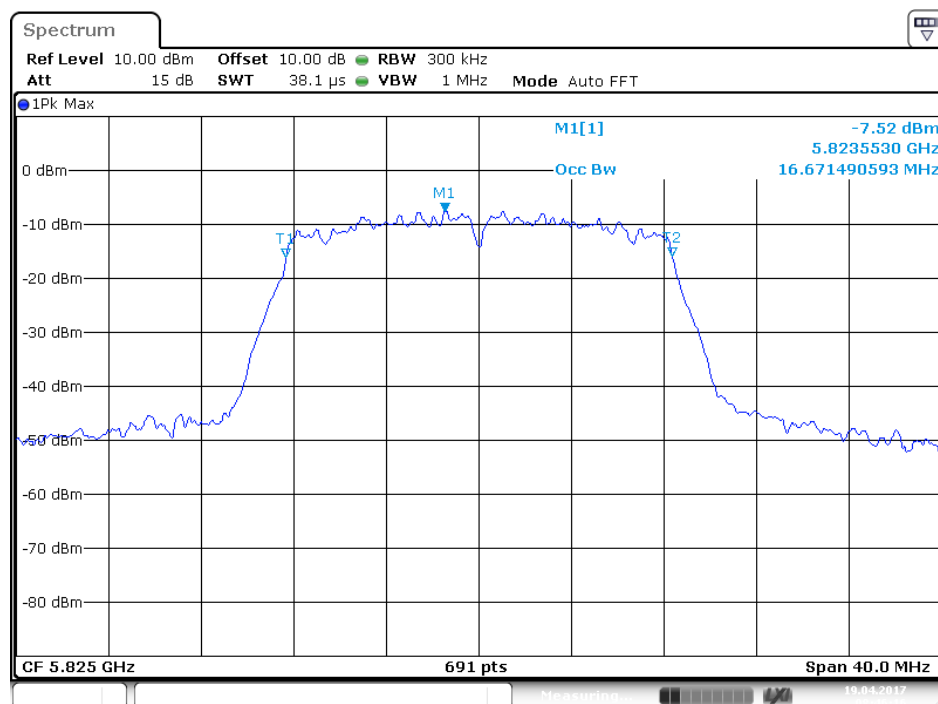
Date: 19.APR.2017 08:44:16



Date: 19.APR.2017 15:09:38

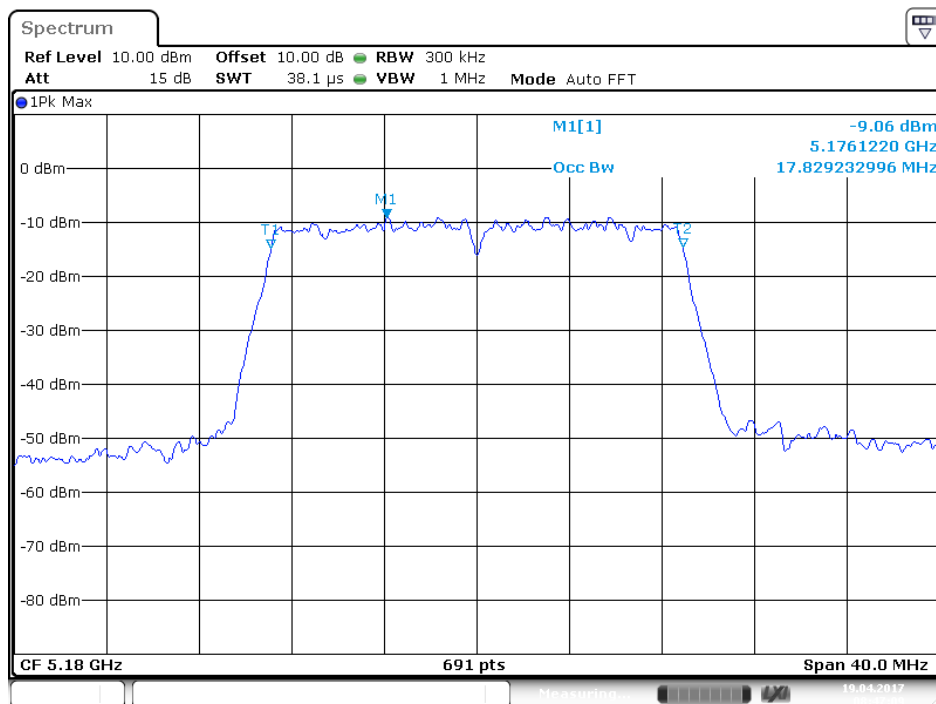


Date: 19.APR.2017 08:45:43

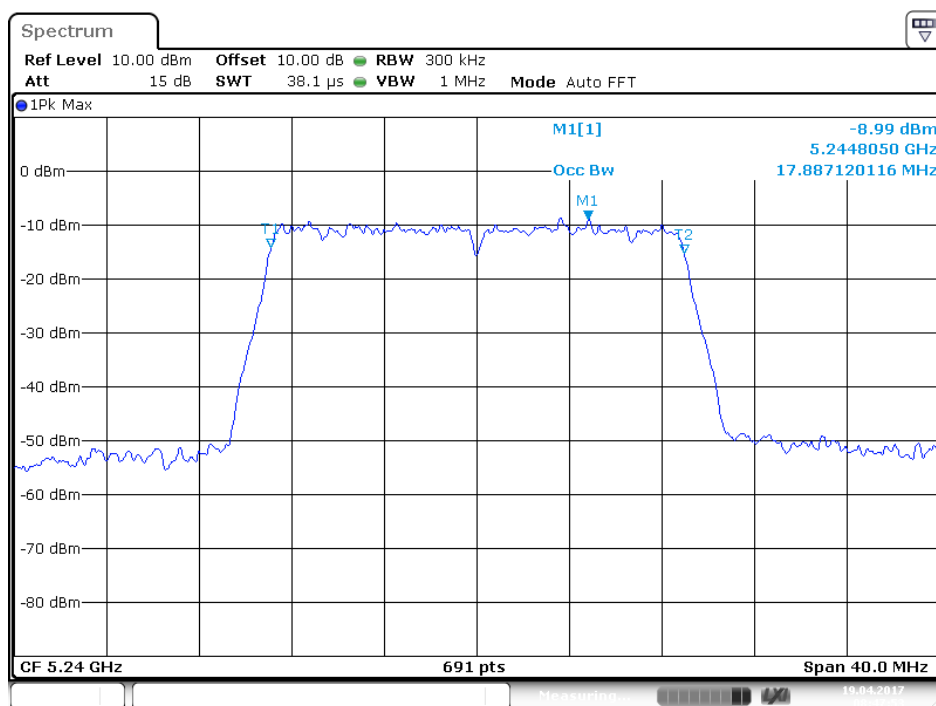


Date: 19.APR.2017 08:46:16

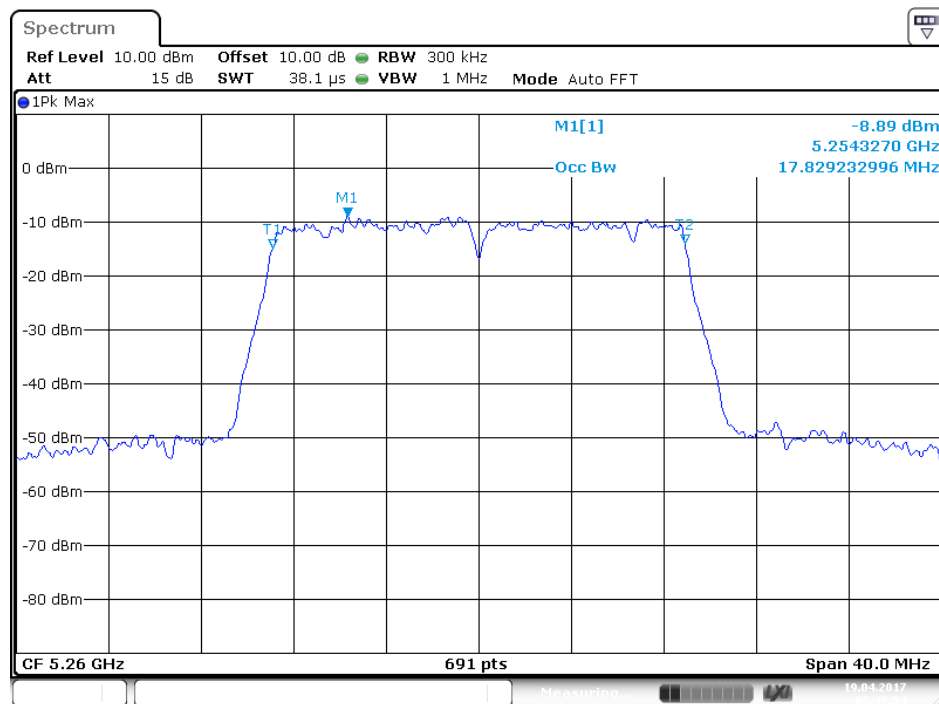
## 802.11N20



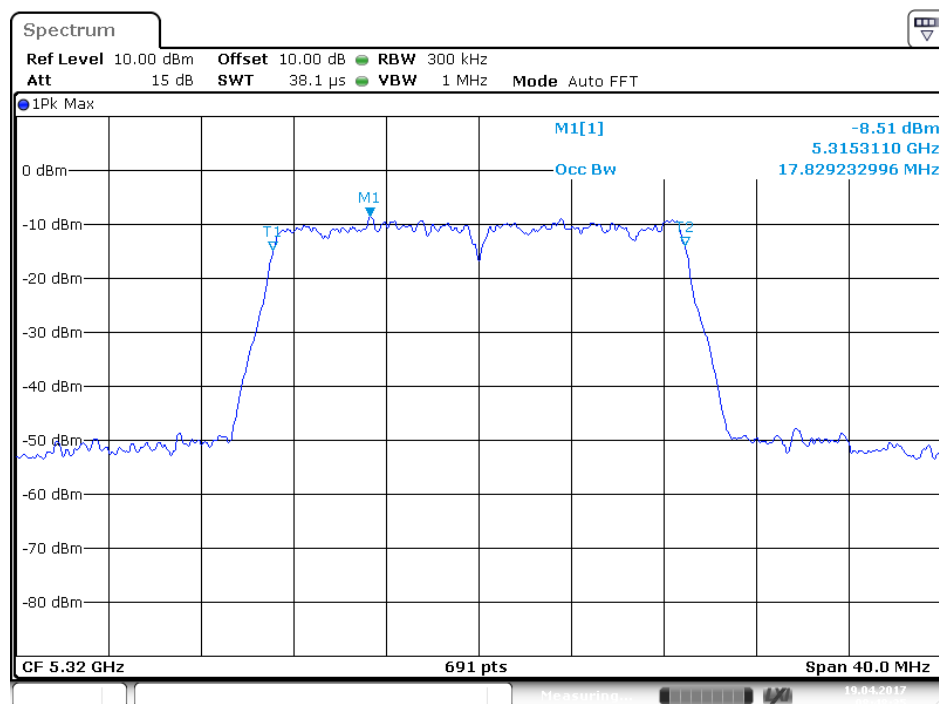
Date: 19.APR.2017 08:47:09



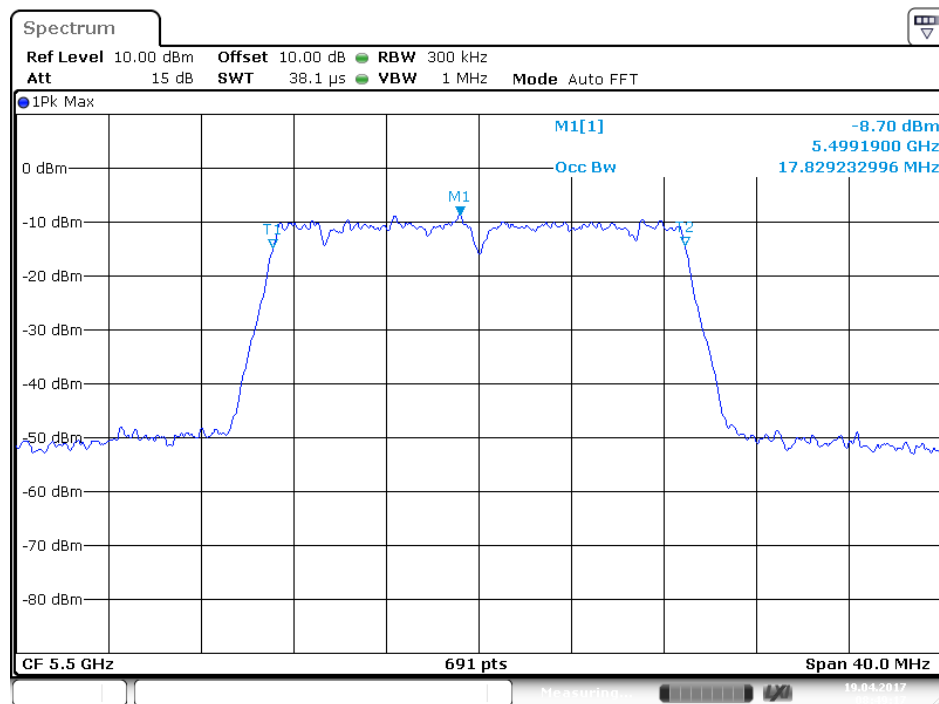
Date: 19.APR.2017 08:47:53



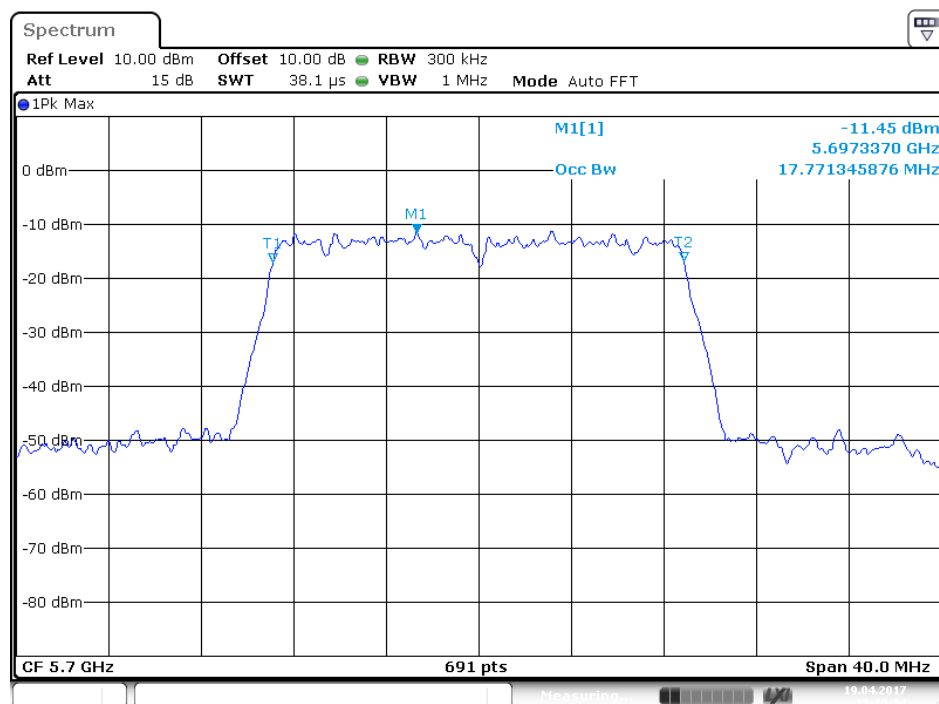
Date: 19.APR.2017 08:49:54



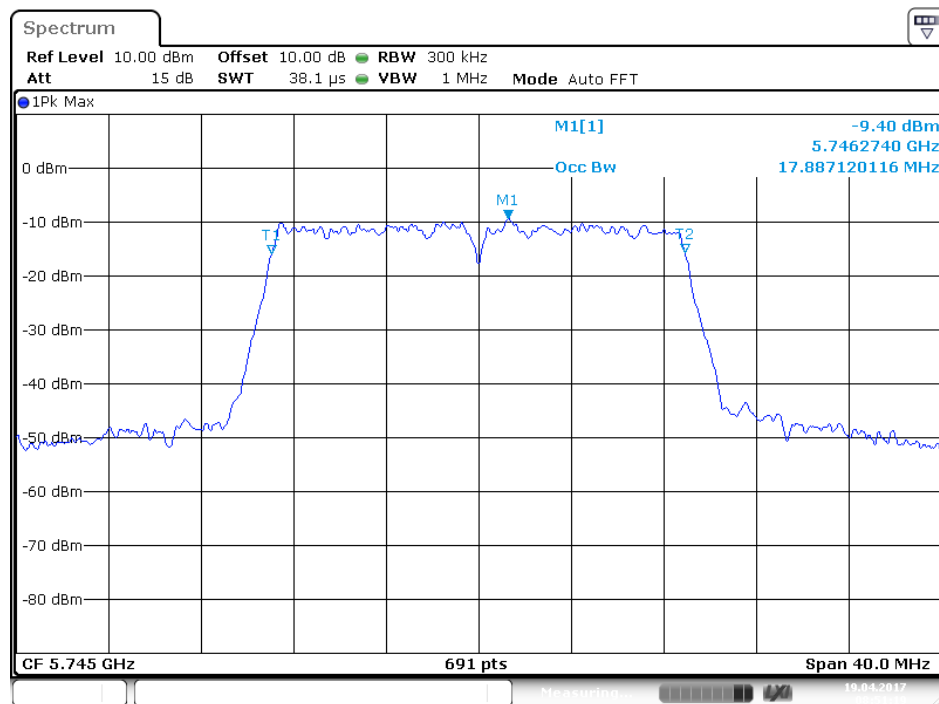
Date: 19.APR.2017 08:48:35



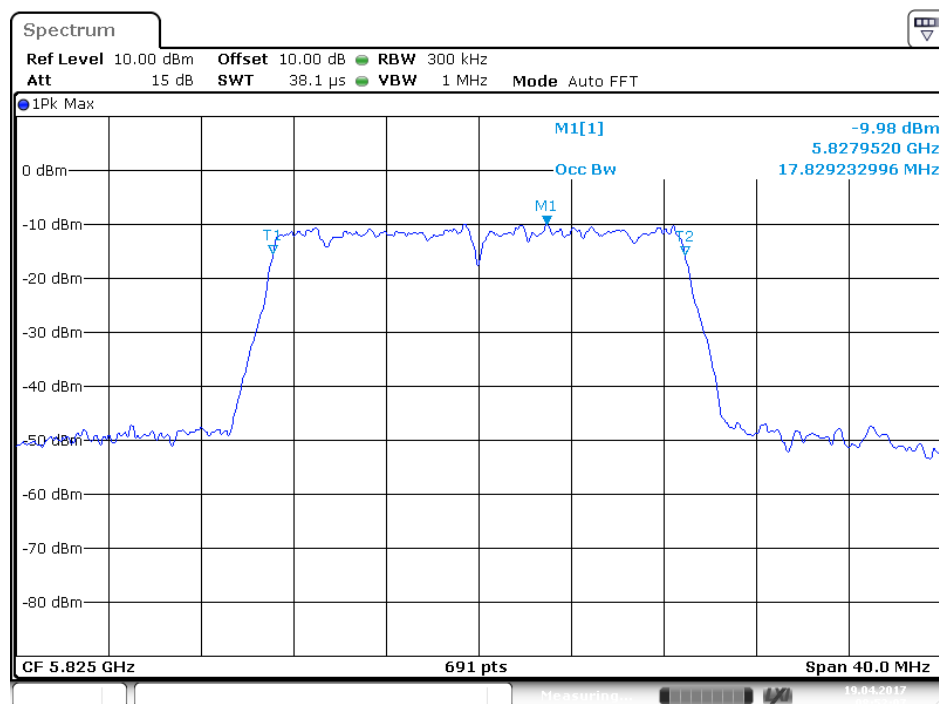
Date: 19.APR.2017 08:49:17



Date: 19.APR.2017 15:10:34

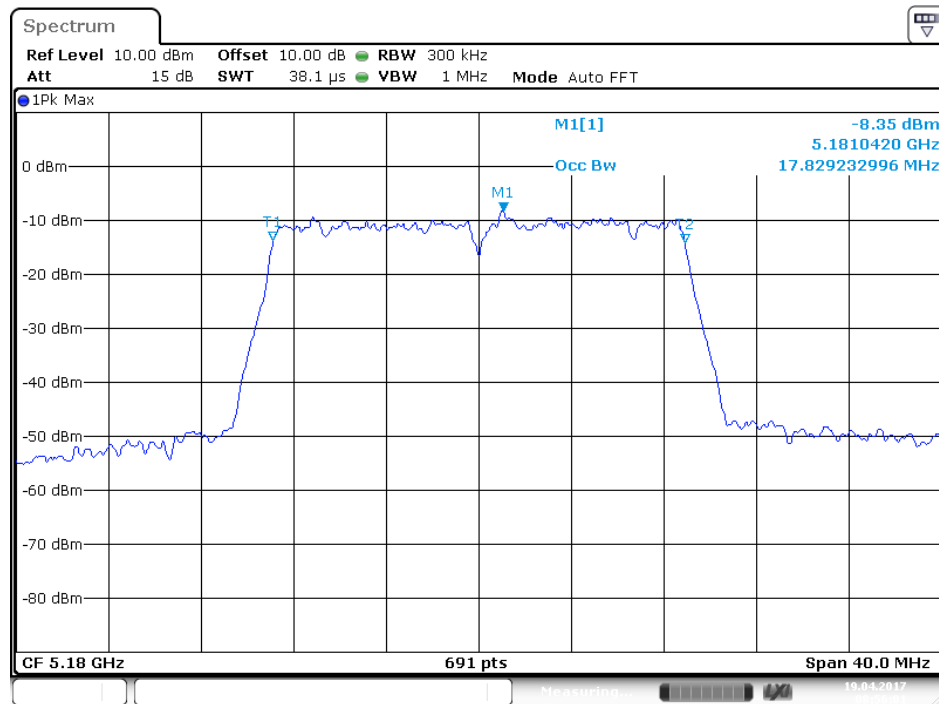


Date: 19.APR.2017 08:51:19

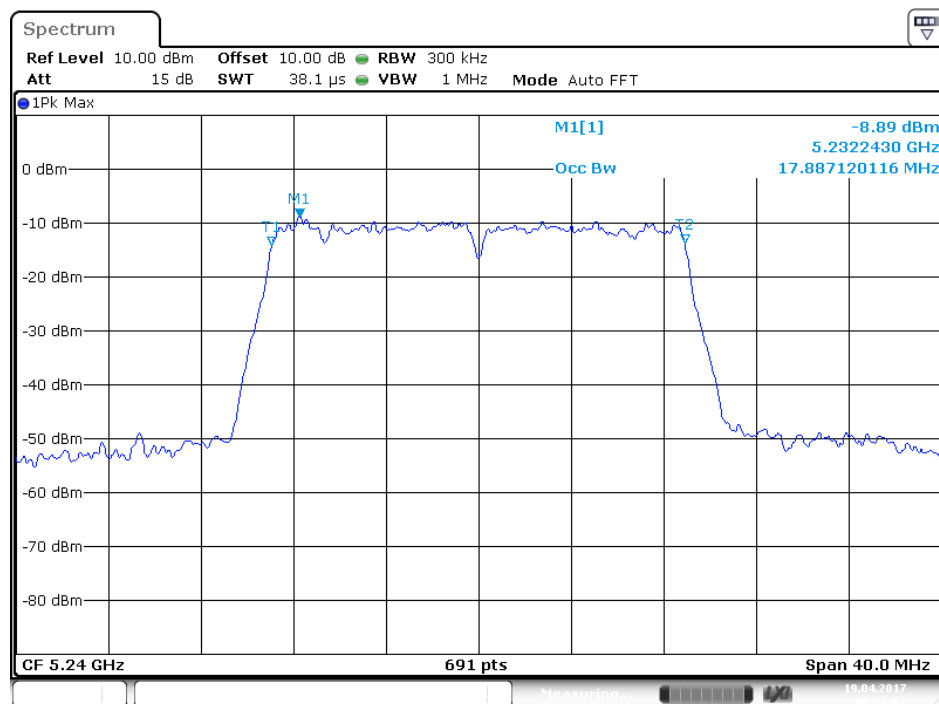


Date: 19.APR.2017 08:52:07

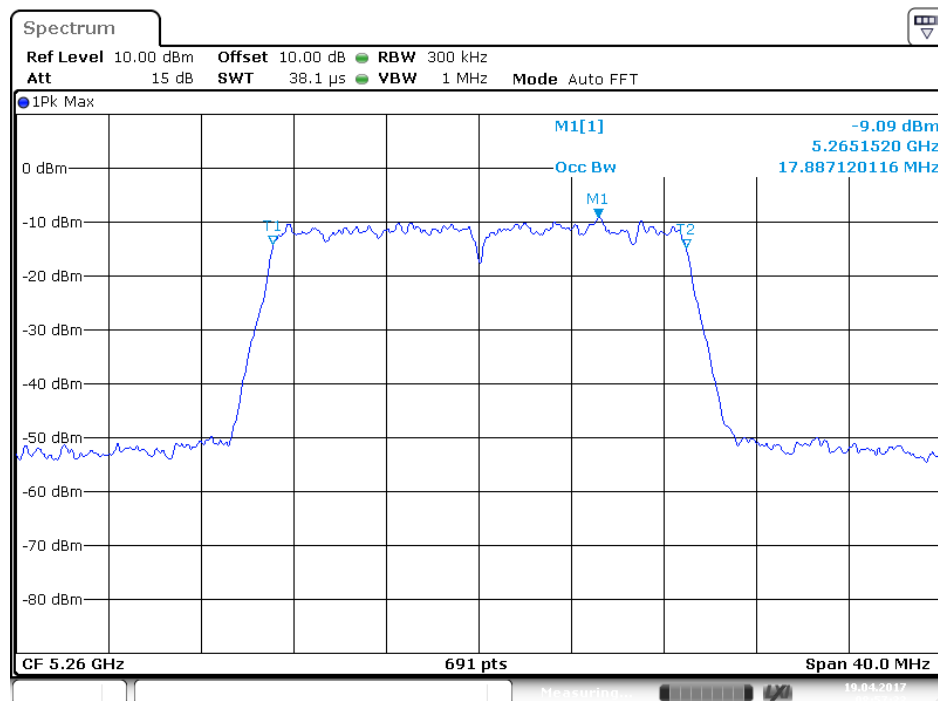
## 802.11ac20



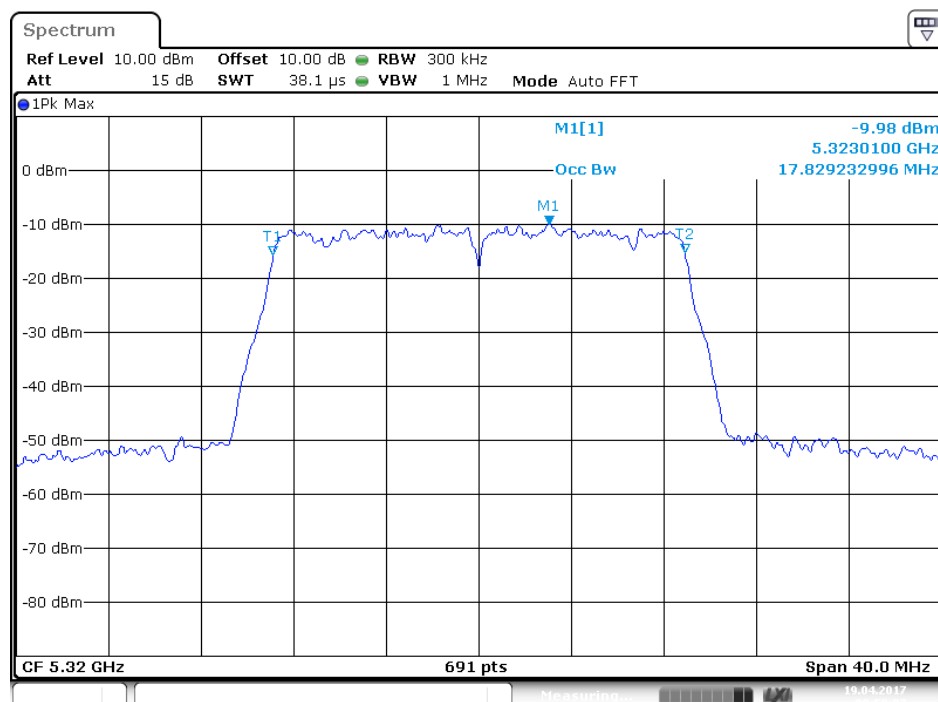
Date: 19.APR.2017 08:56:01



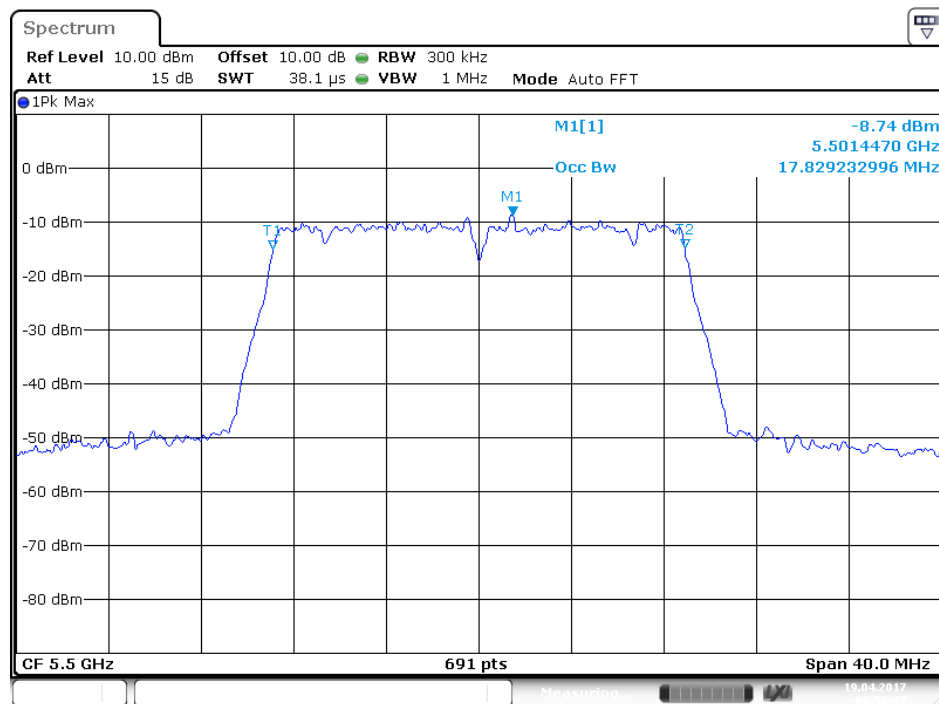
Date: 19.APR.2017 08:57:02



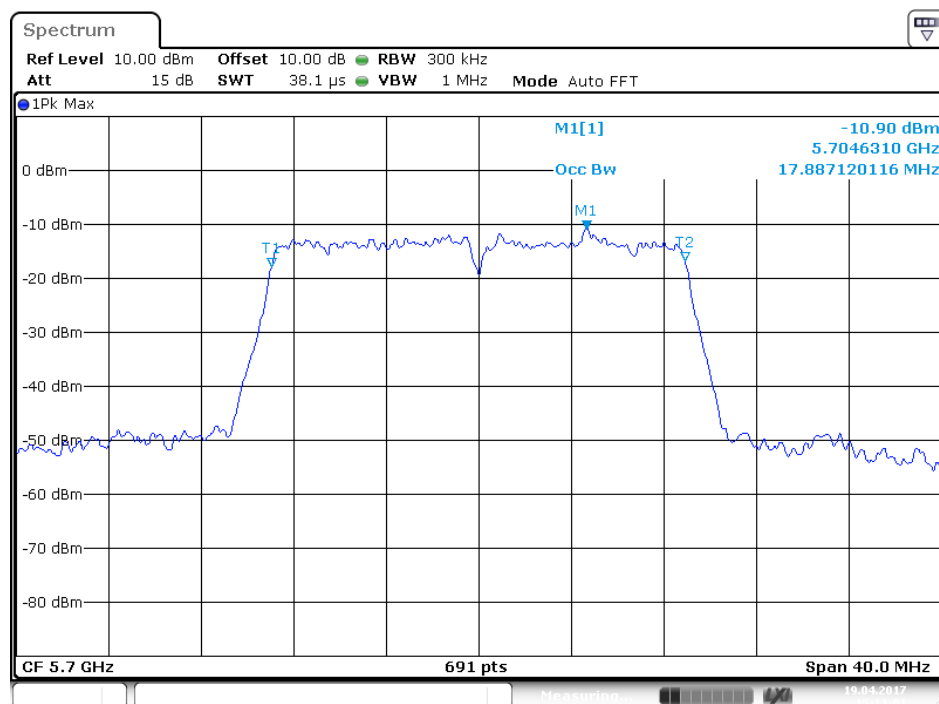
Date: 19.APR.2017 08:57:33



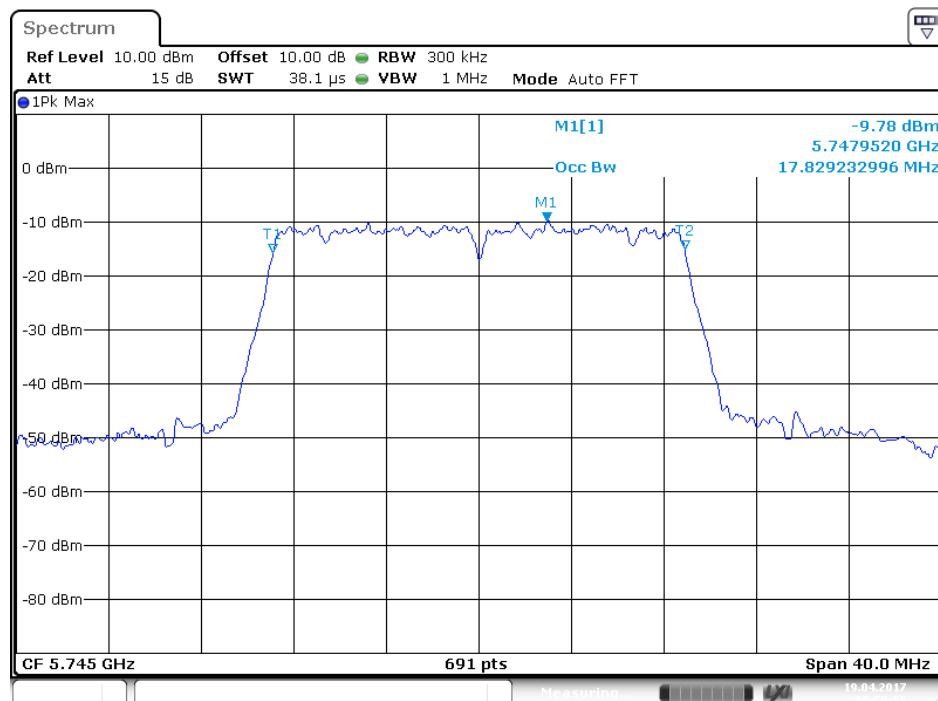
Date: 19.APR.2017 08:58:07



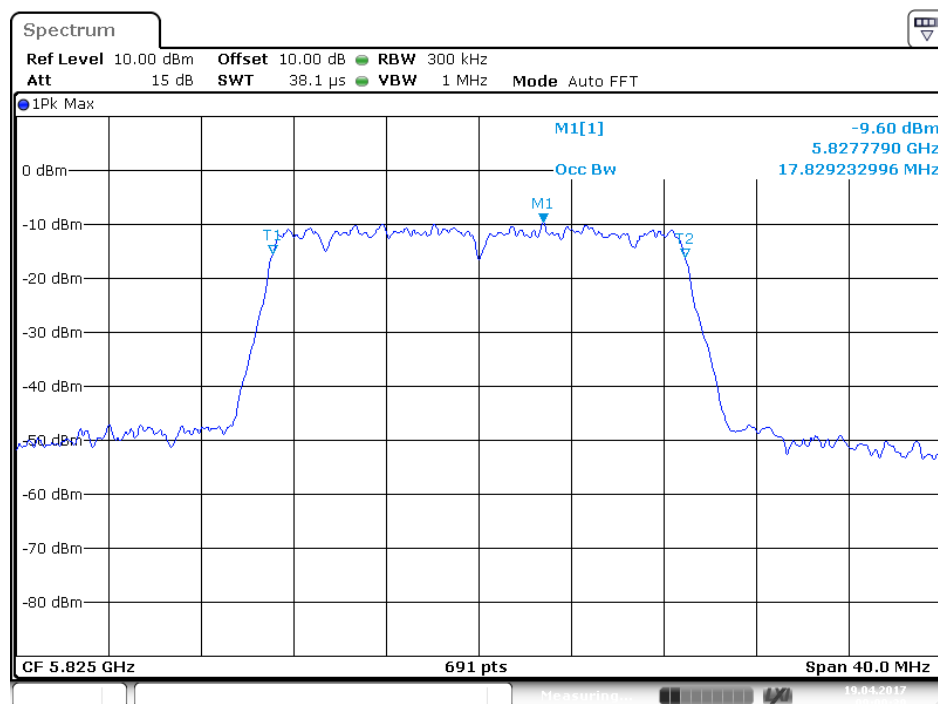
Date: 19.APR.2017 08:58:47



Date: 19.APR.2017 15:11:01

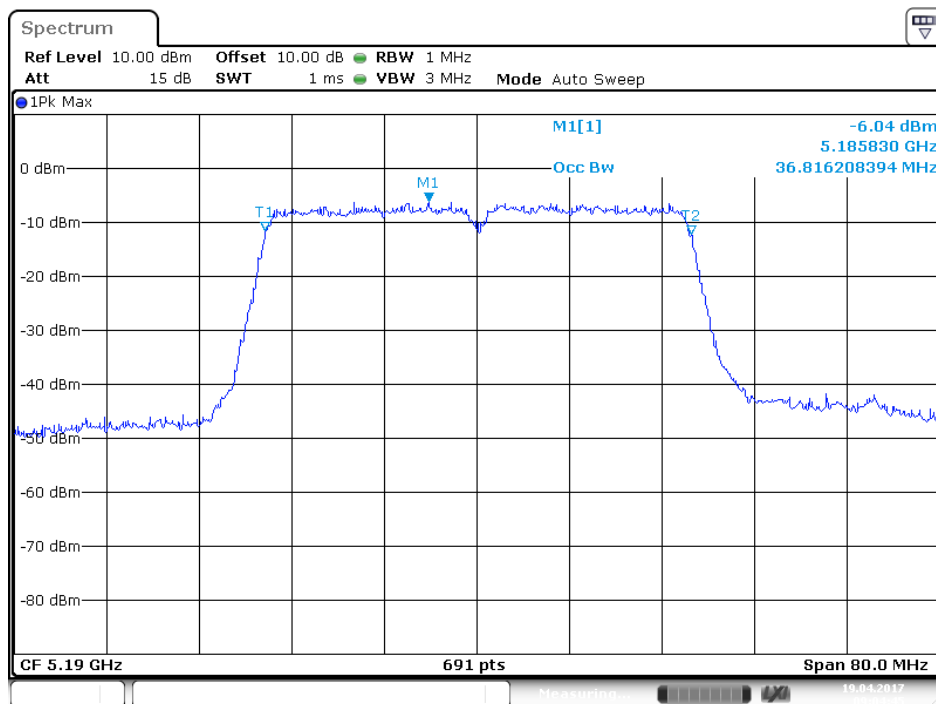


Date: 19.APR.2017 08:59:55

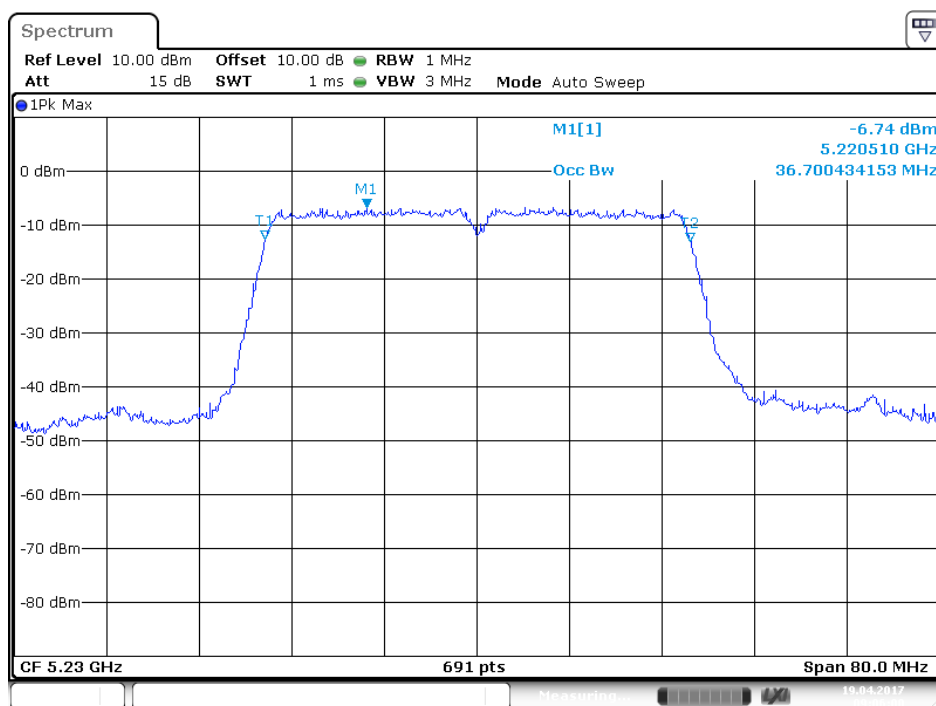


Date: 19.APR.2017 09:00:39

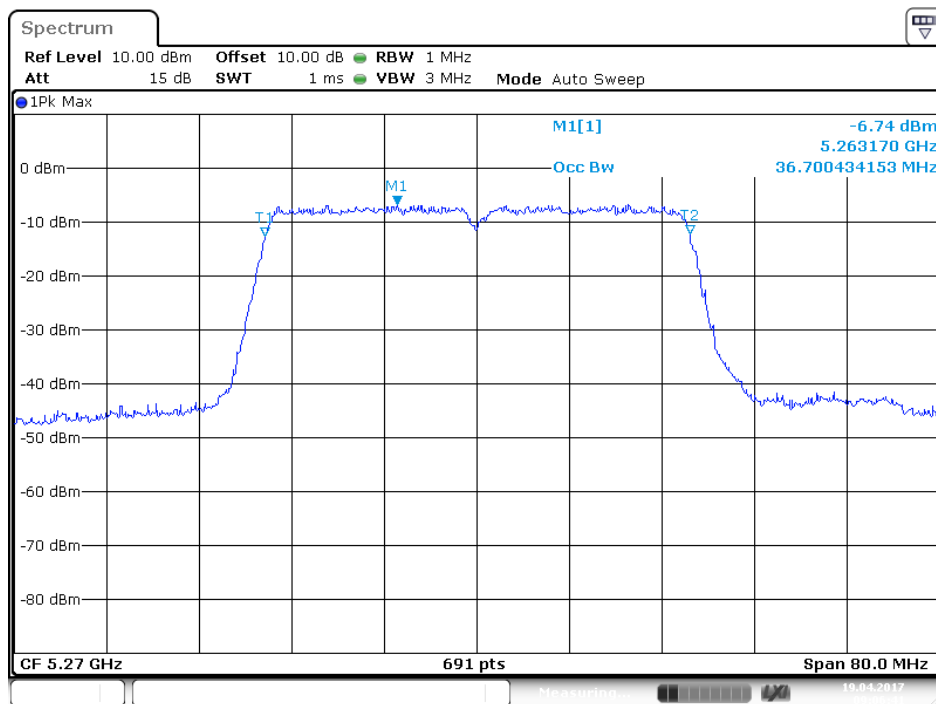
## 802.11N40



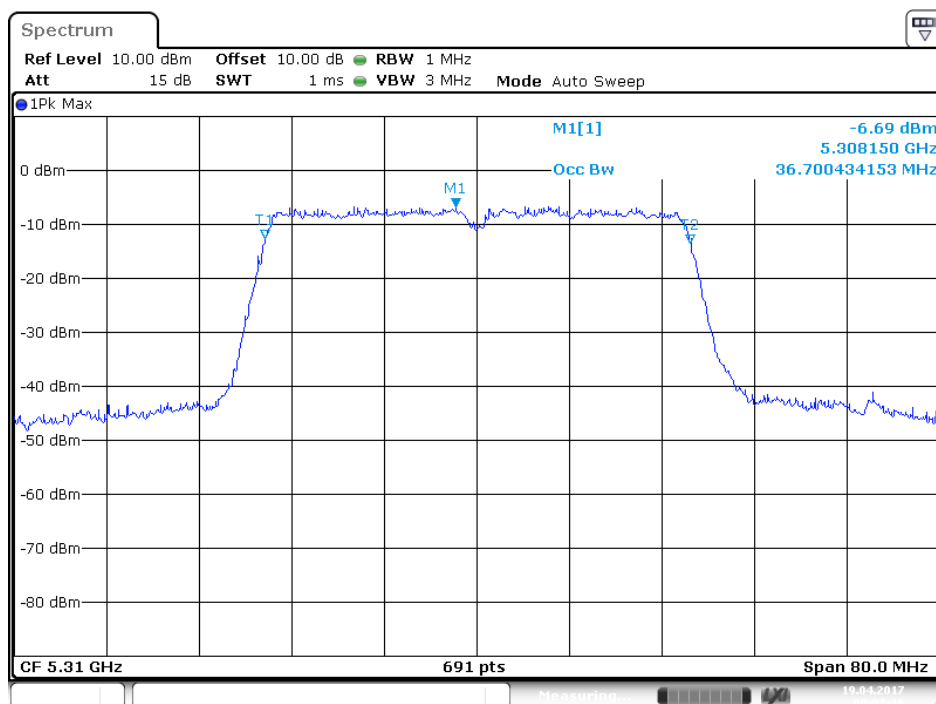
Date: 19.APR.2017 09:04:45



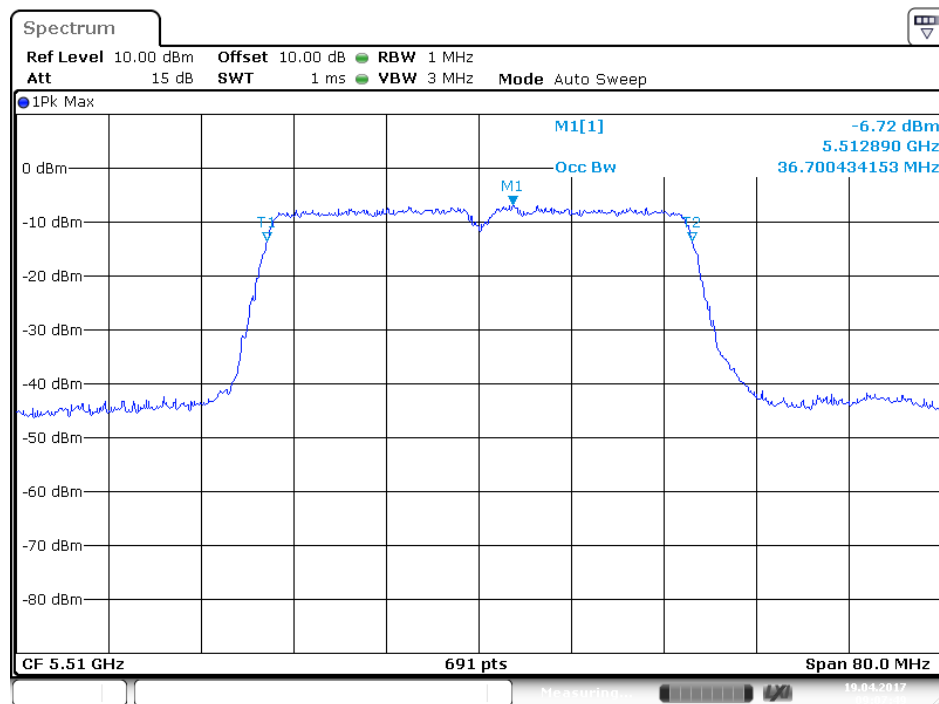
Date: 19.APR.2017 09:06:00



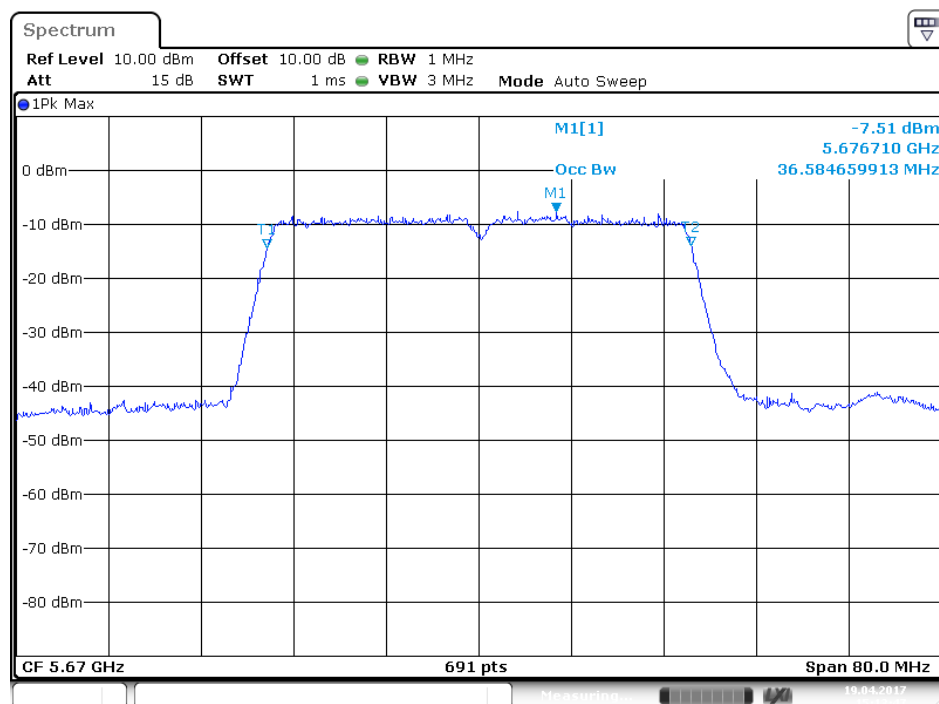
Date: 19.APR.2017 09:06:41



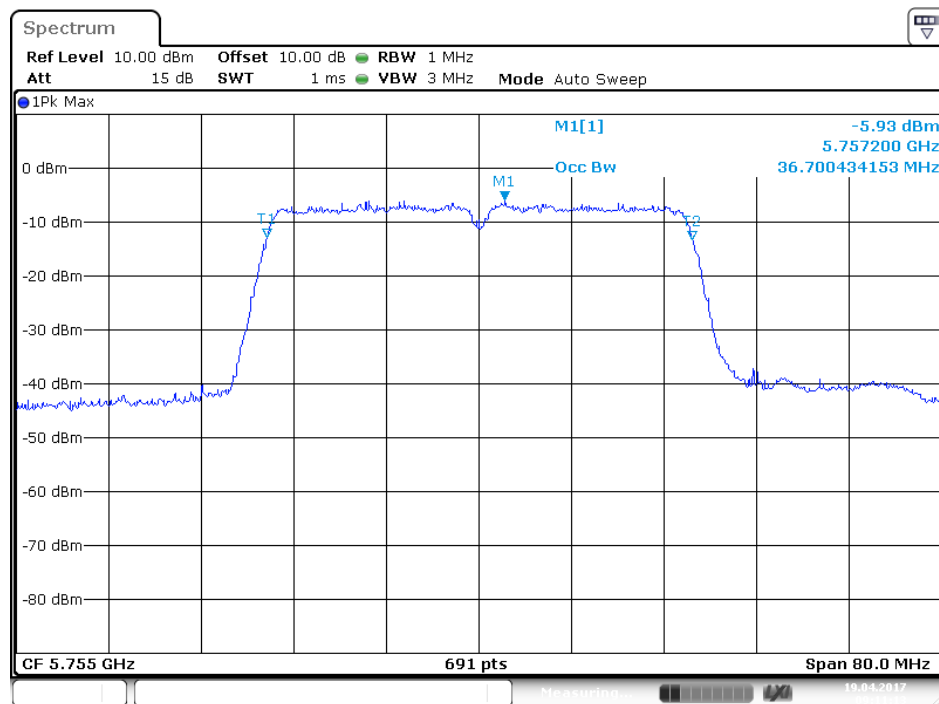
Date: 19.APR.2017 09:07:16



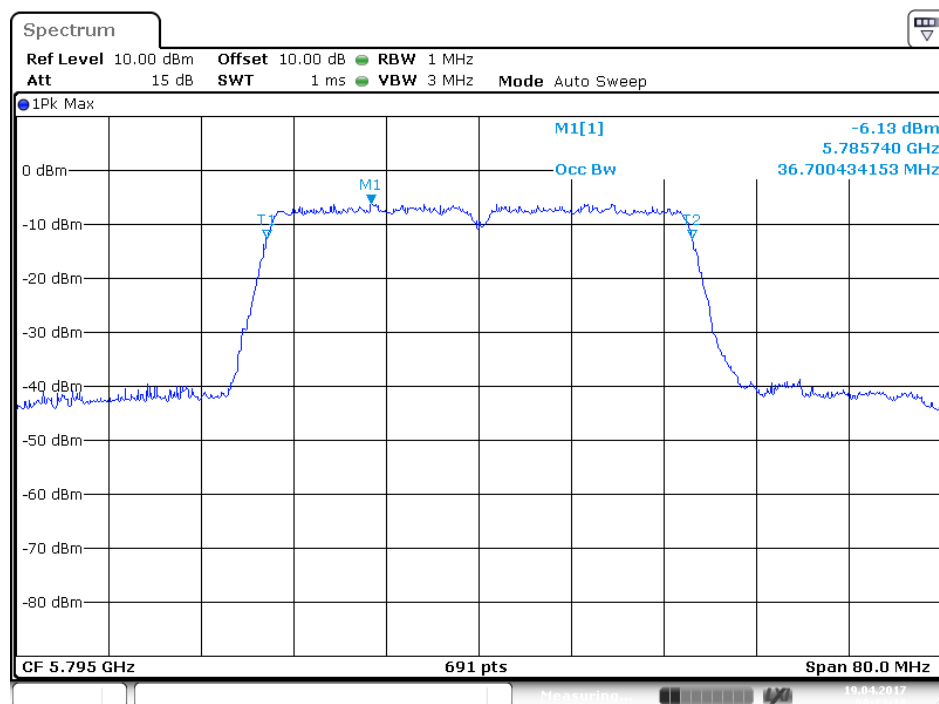
Date: 19.APR.2017 09:07:49



Date: 19.APR.2017 15:13:47

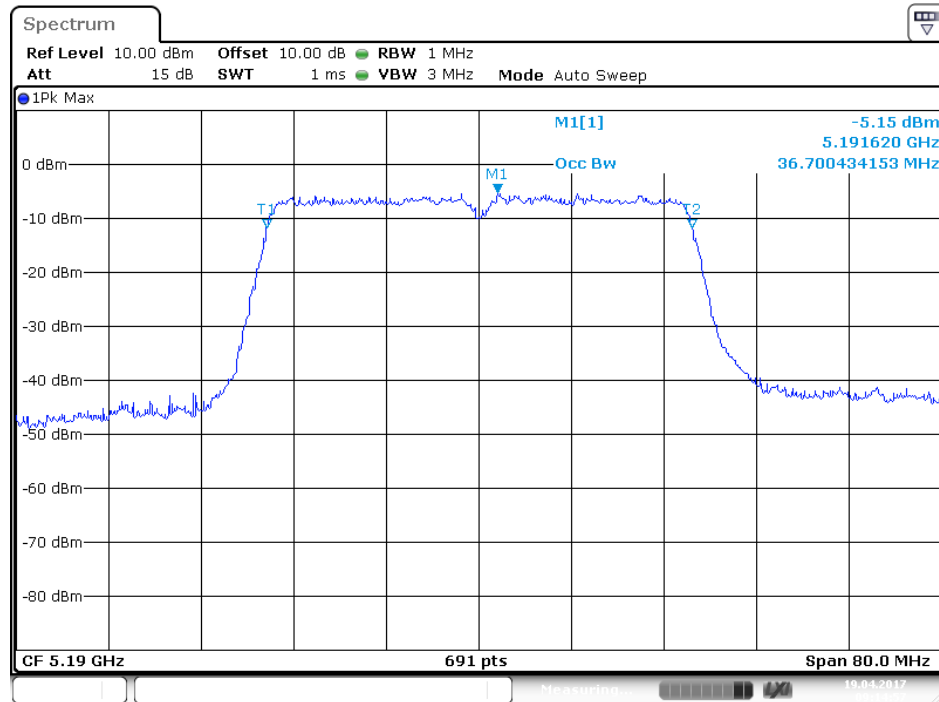


Date: 19.APR.2017 09:11:13

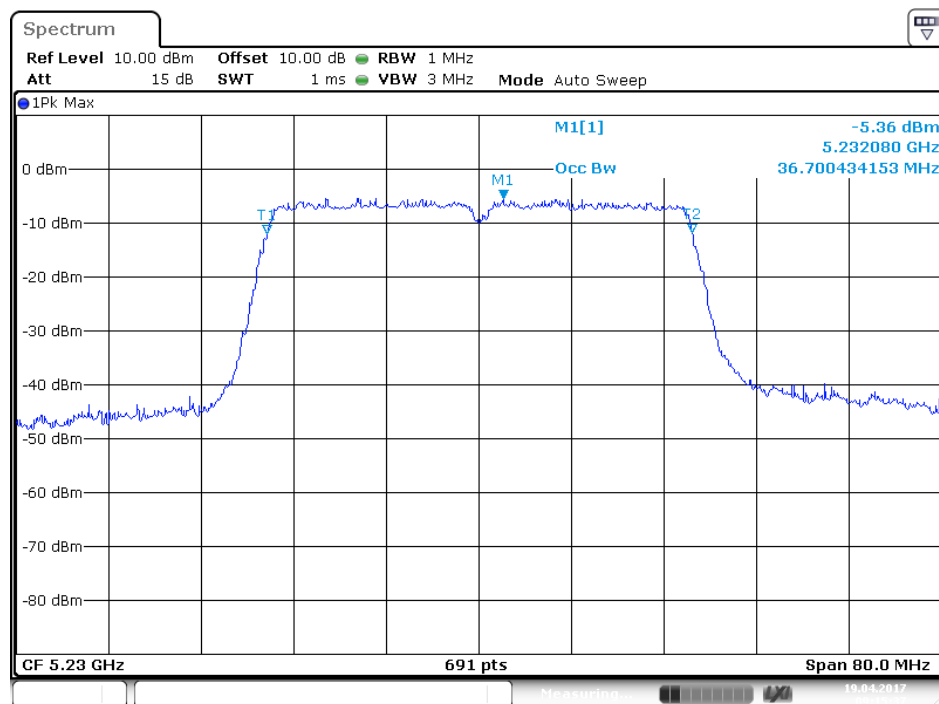


Date: 19.APR.2017 09:12:14

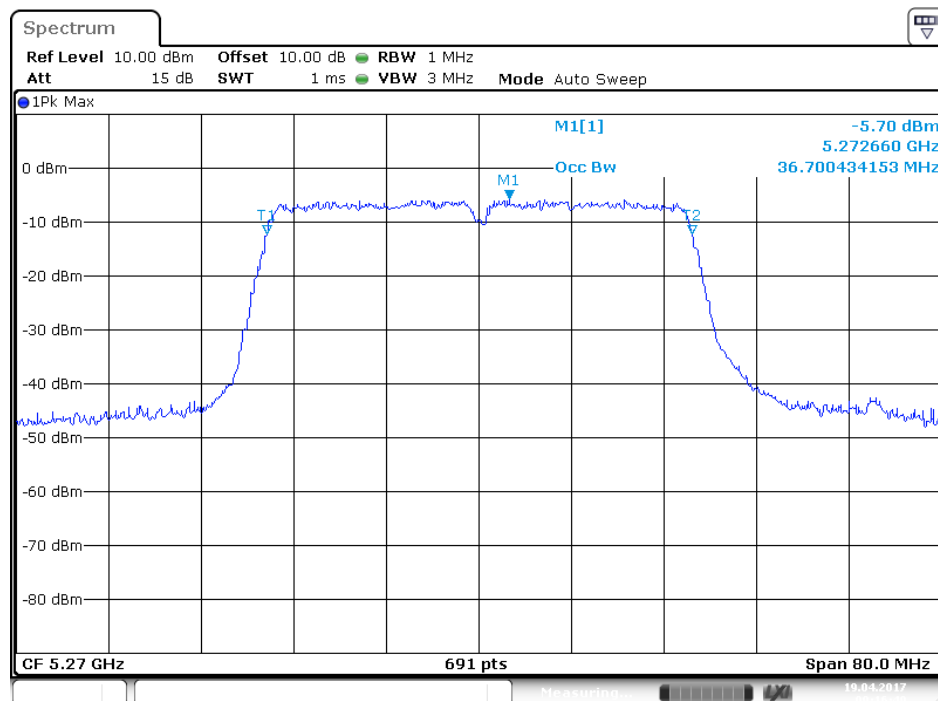
## 802.11ac40



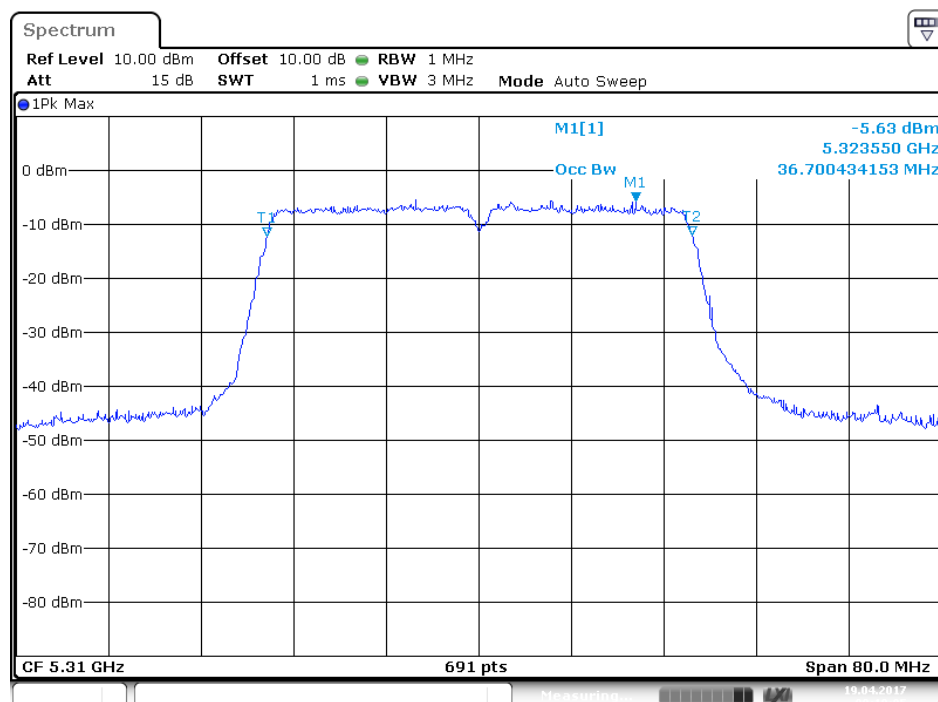
Date: 19.APR.2017 09:14:57



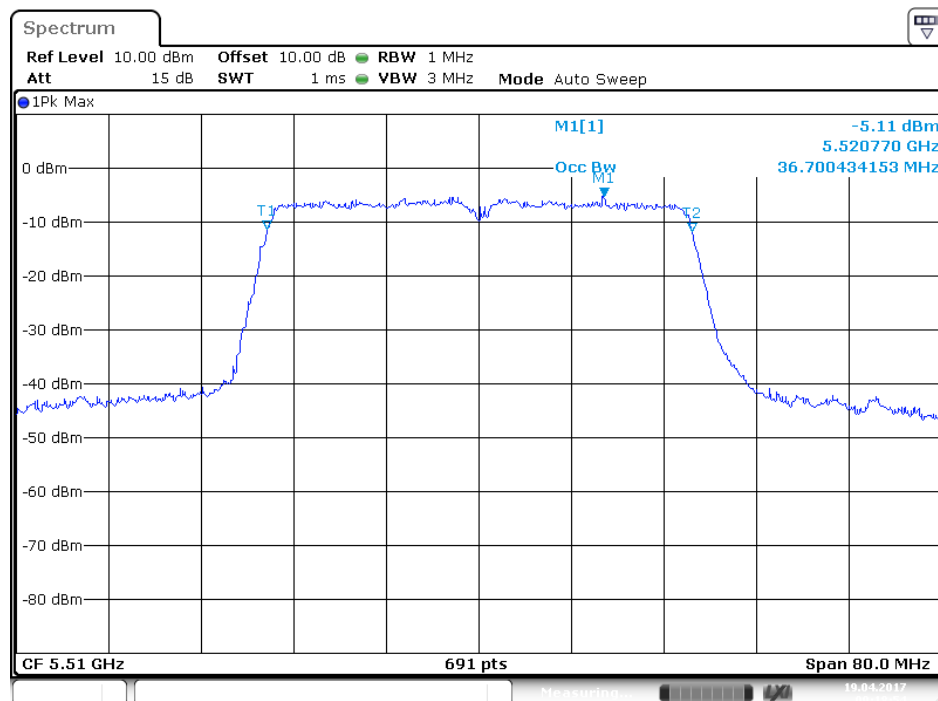
Date: 19.APR.2017 09:15:37



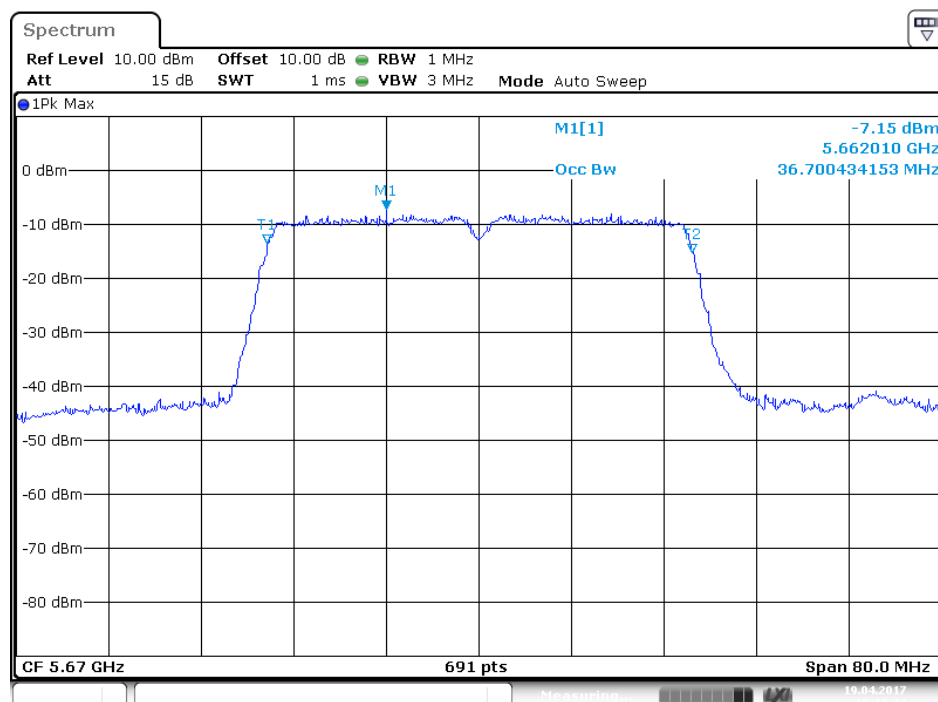
Date: 19.APR.2017 09:16:50



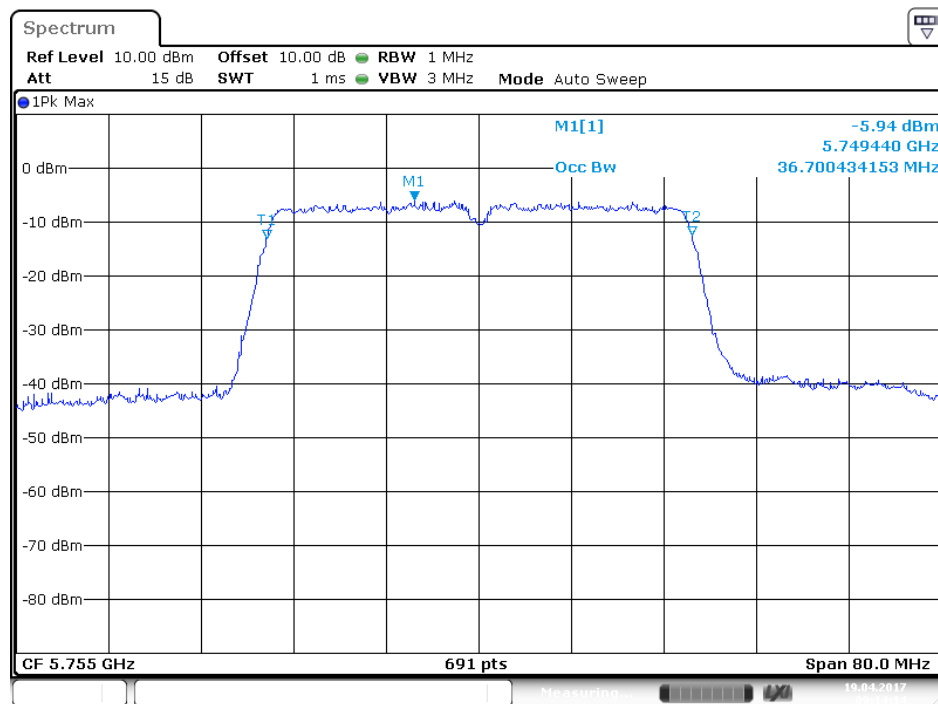
Date: 19.APR.2017 09:18:05



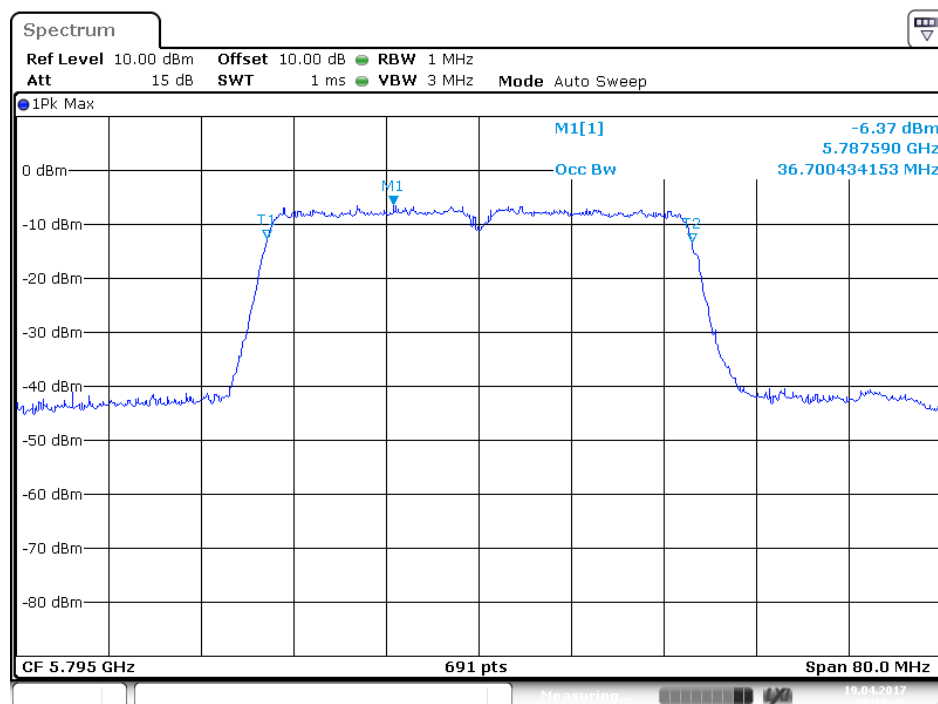
Date: 19.APR.2017 09:18:54



Date: 19.APR.2017 15:13:15

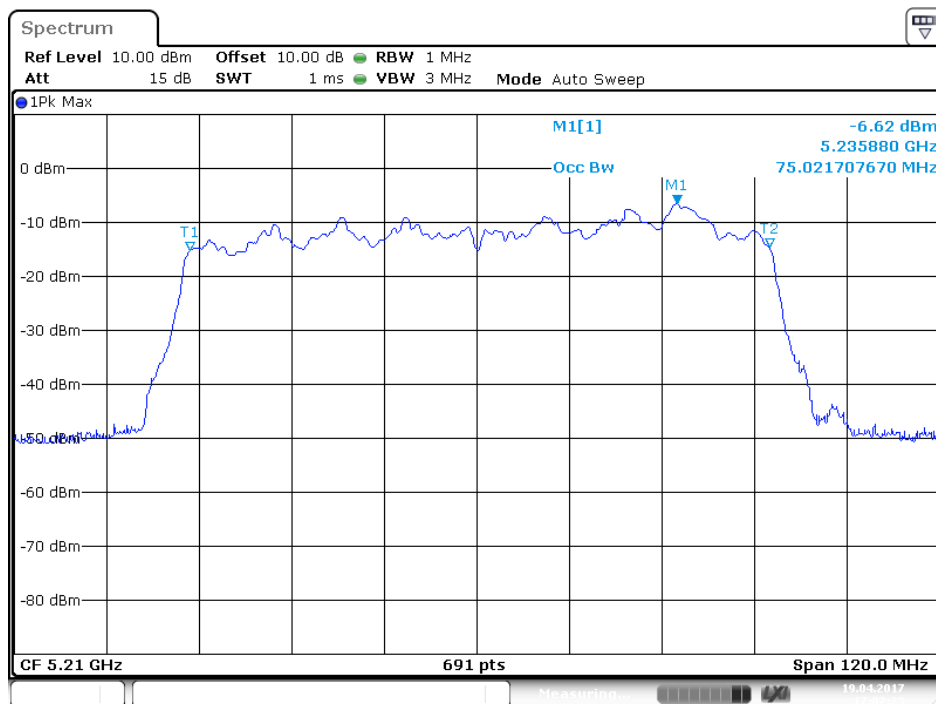


Date: 19.APR.2017 09:14:14

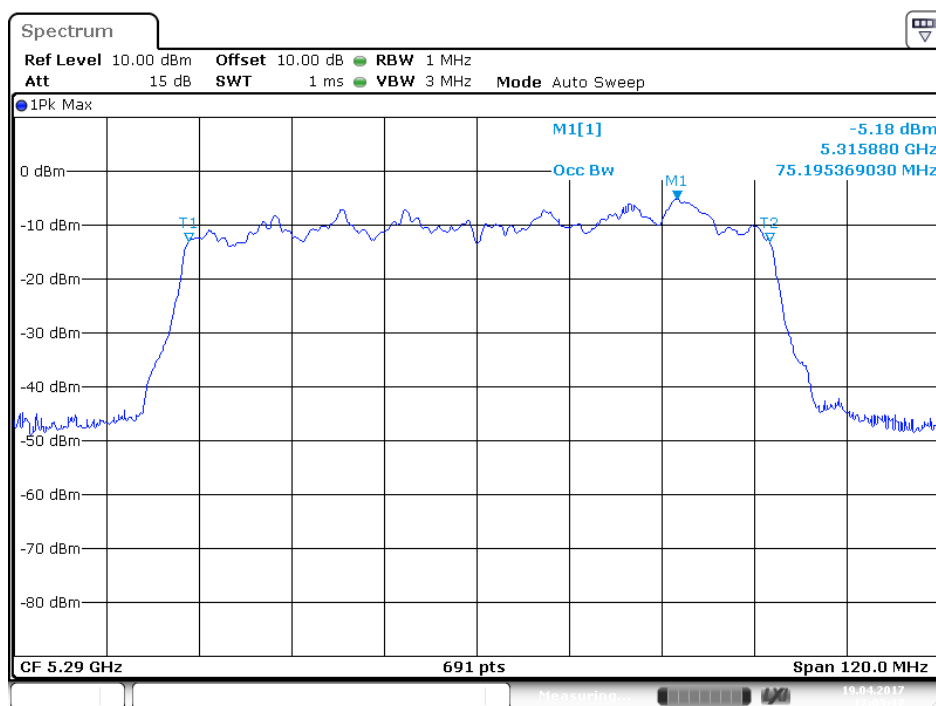


Date: 19.APR.2017 09:13:25

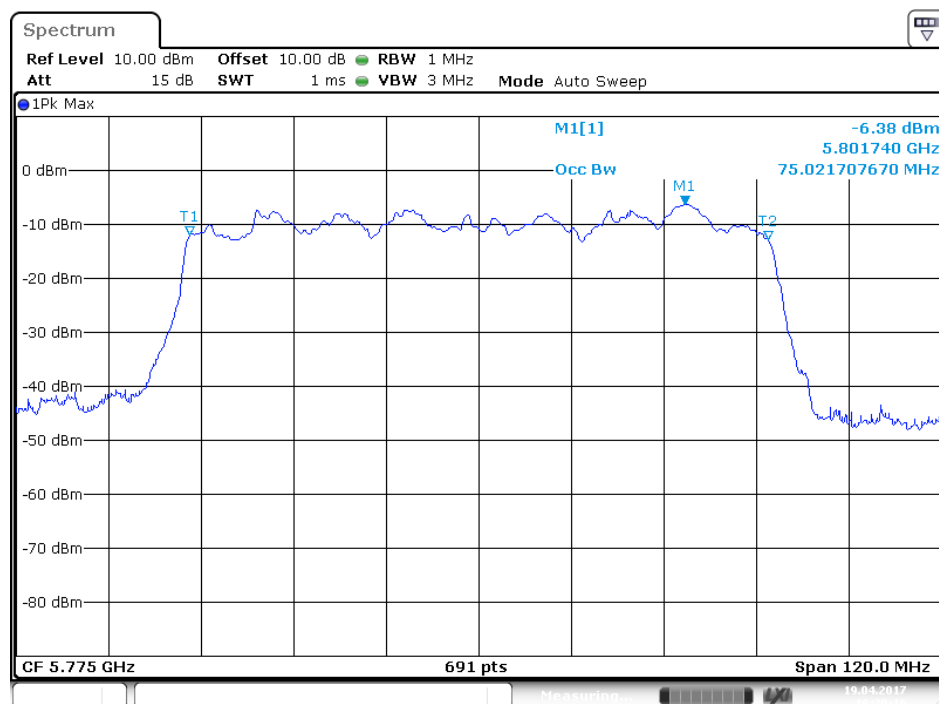
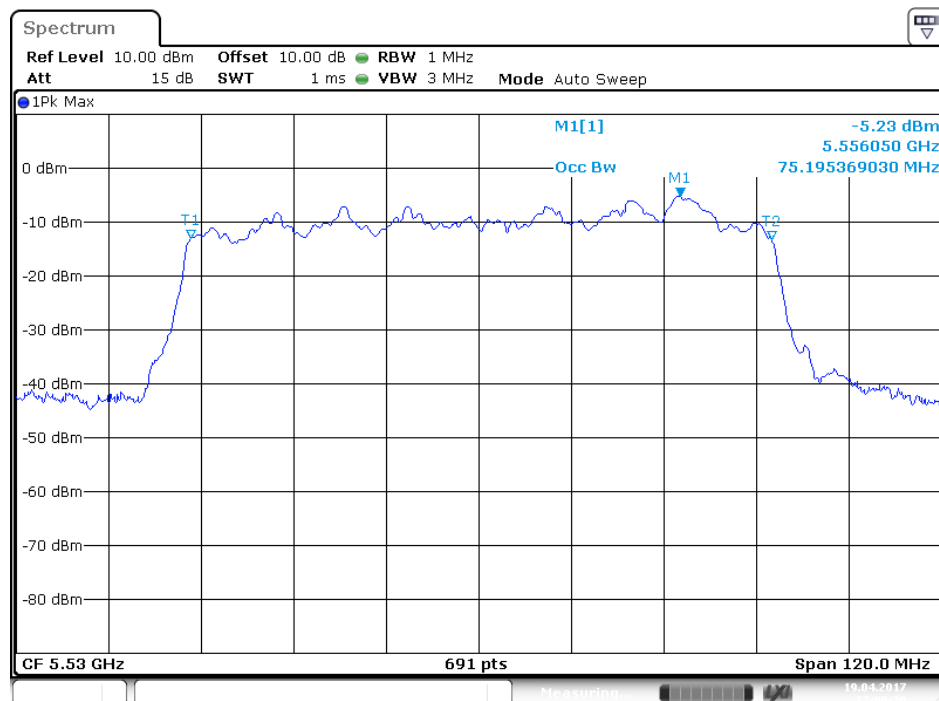
802.11ac80



Date: 19.APR.2017 17:02:23



Date: 19.APR.2017 17:03:17



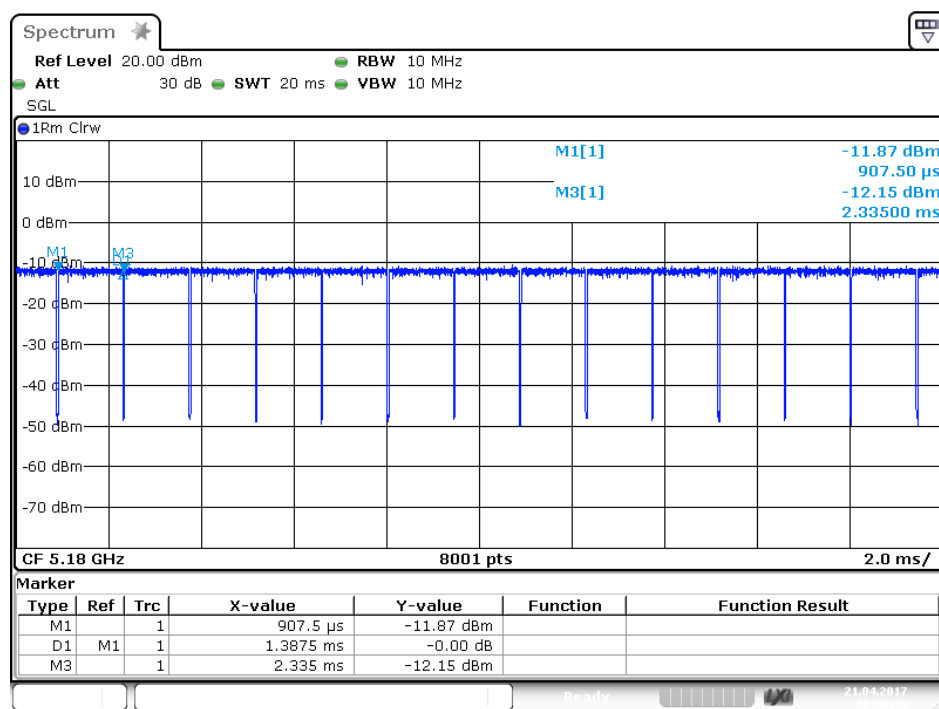
## Duty cycle Test Result

| Test mode  | Frequency (MHz) | Duty cycle(%) | 10log(1/x) |
|------------|-----------------|---------------|------------|
| 802.11a20  | 5180            | 97.2          | 0.12       |
| 802.11n20  | 5180            | 97.0          | 0.13       |
| 802.11ac20 | 5180            | 97.0          | 0.13       |
| 802.11n40  | 5190            | 94.14         | 0.26       |
| 802.11ac40 | 5190            | 94.14         | 0.26       |
| 802.11ac80 | 5210            | 96.84         | 0.14       |

Note: Duty cycle=x

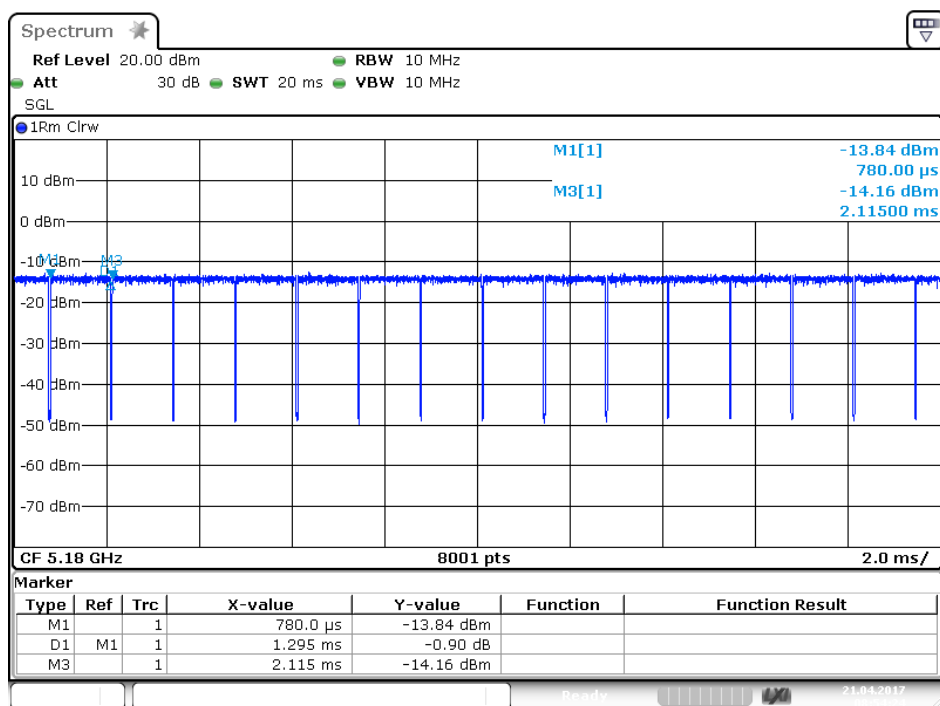
The spectrum analyzer plots are attached as below.

802.11a20 5180MHz



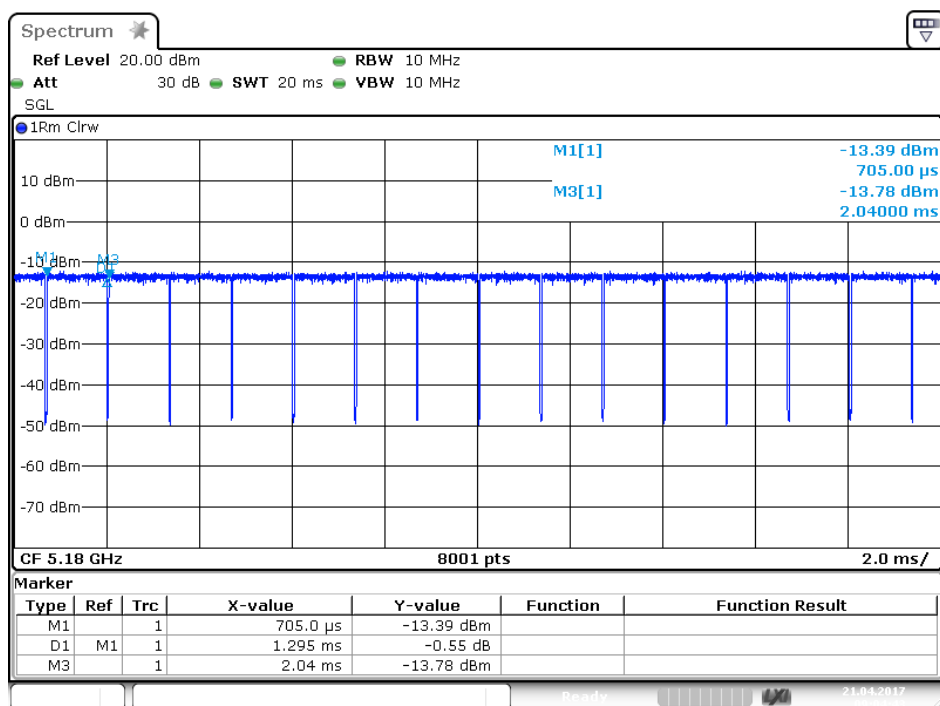
Date: 21.APR.2017 08:38:36

## 802.11n20 5180MHz



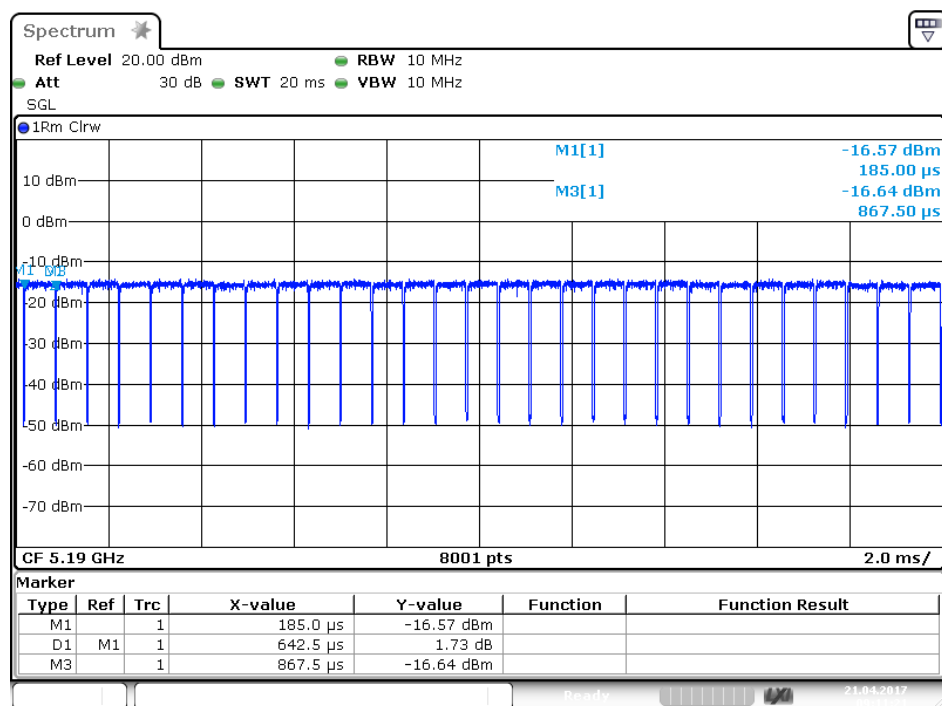
Date: 21.APR.2017 08:54:24

## 802.11ac20 5180MHz



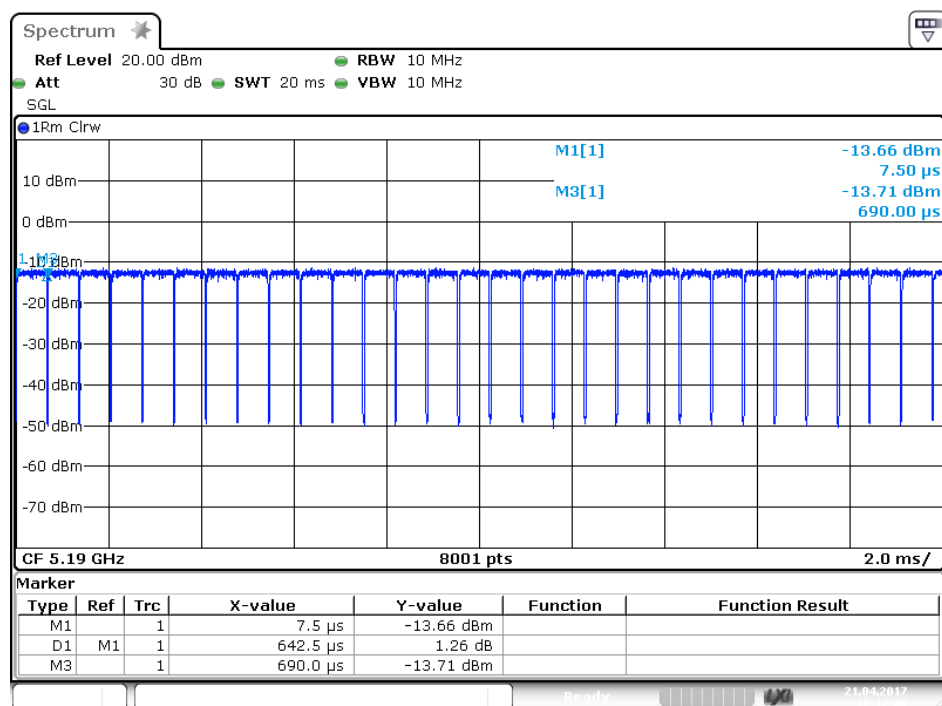
Date: 21.APR.2017 09:04:43

## 802.11n40 5190MHz



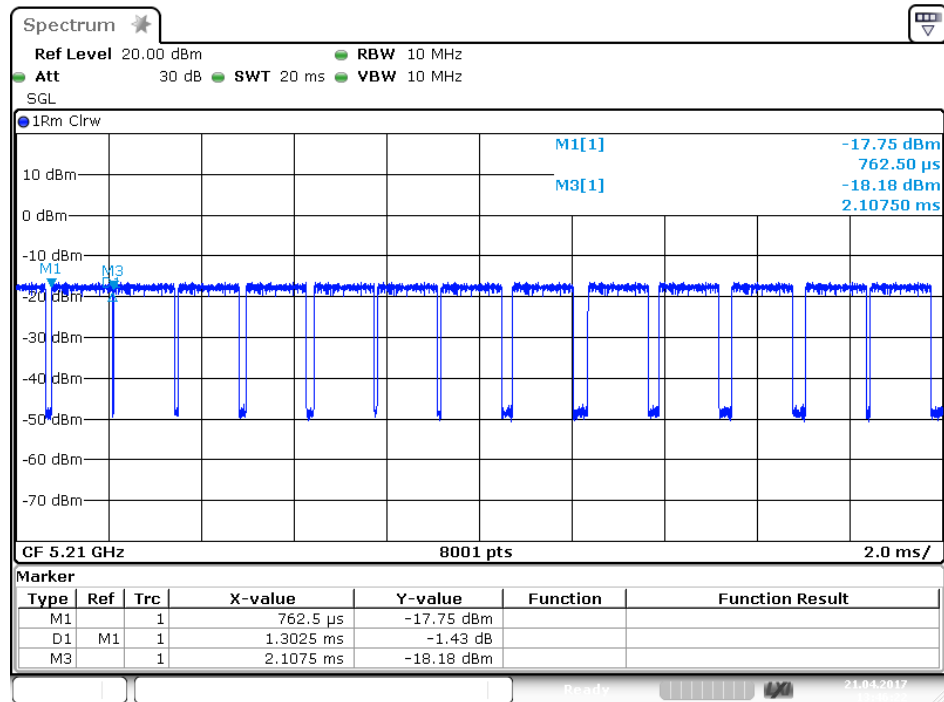
Date: 21.APR.2017 09:11:21

## 802.11ac40 5190MHz



Date: 21.APR.2017 10:12:49

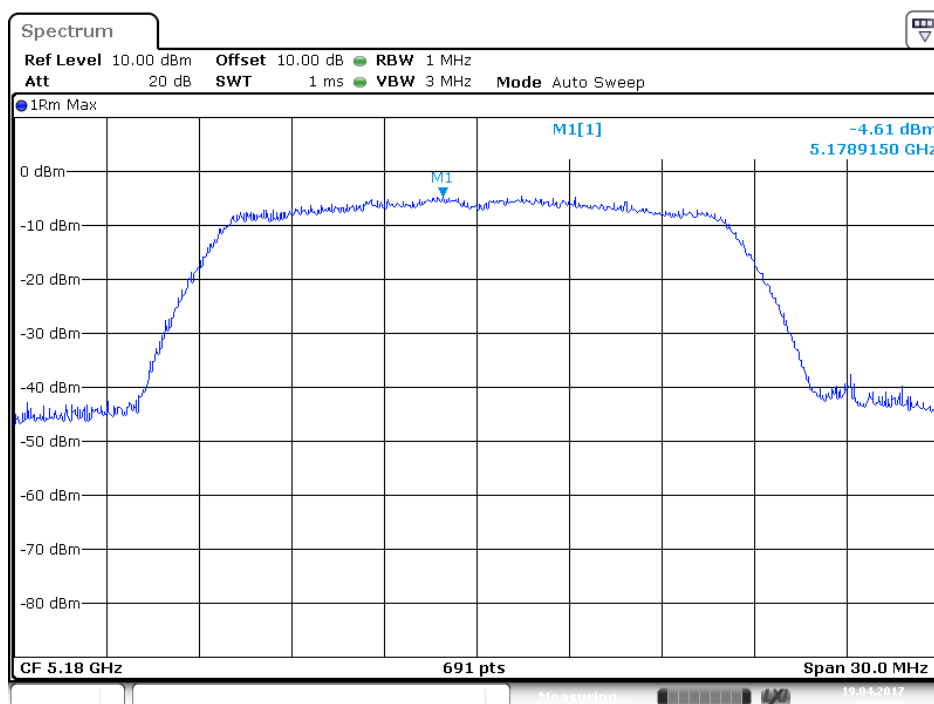
## 802.11ac80 5210MHz



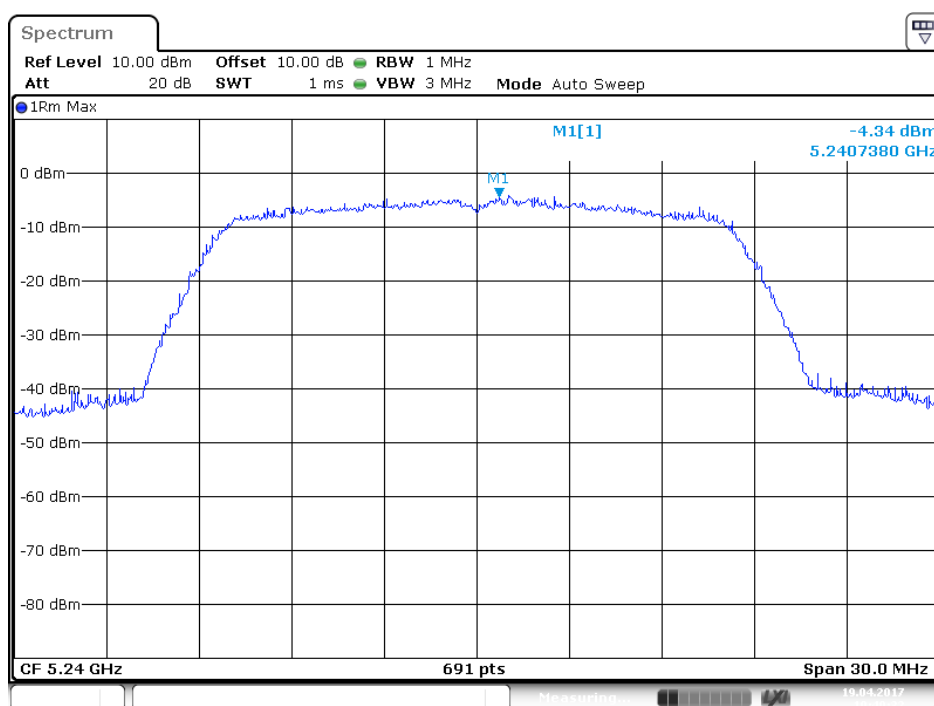
Date: 21.APR.2017 13:46:22

## Power Spectral Density Test Result

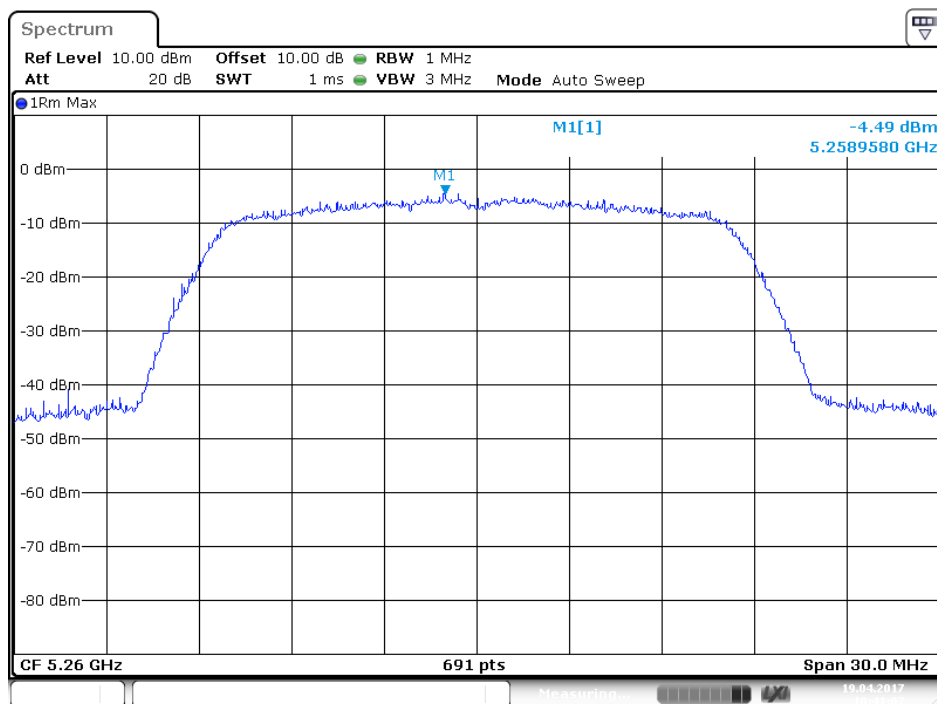
802.11A



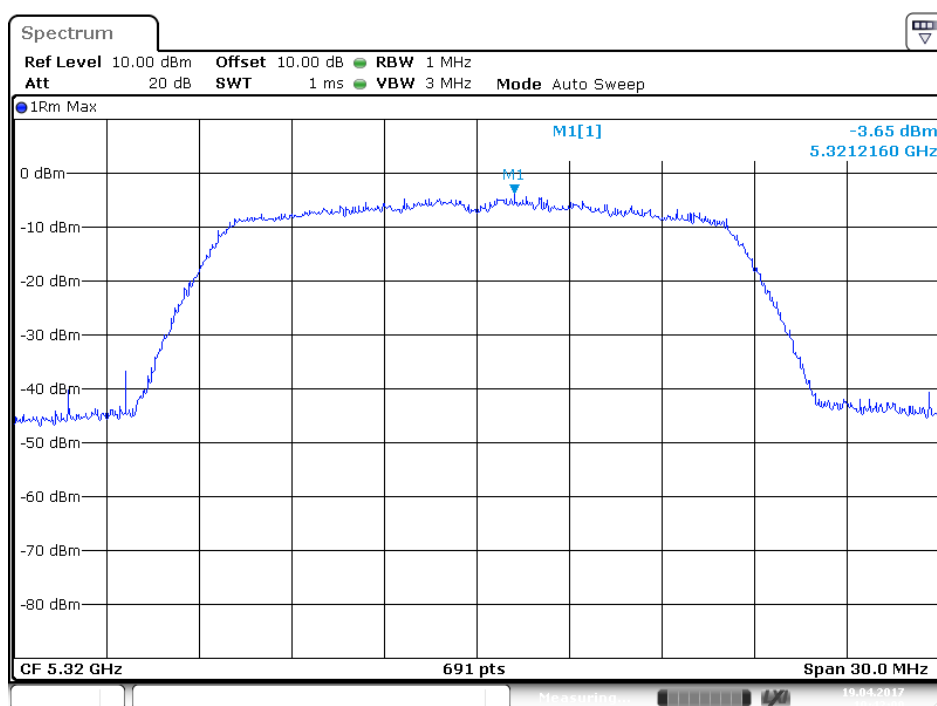
Date: 19.APR.2017 10:39:48



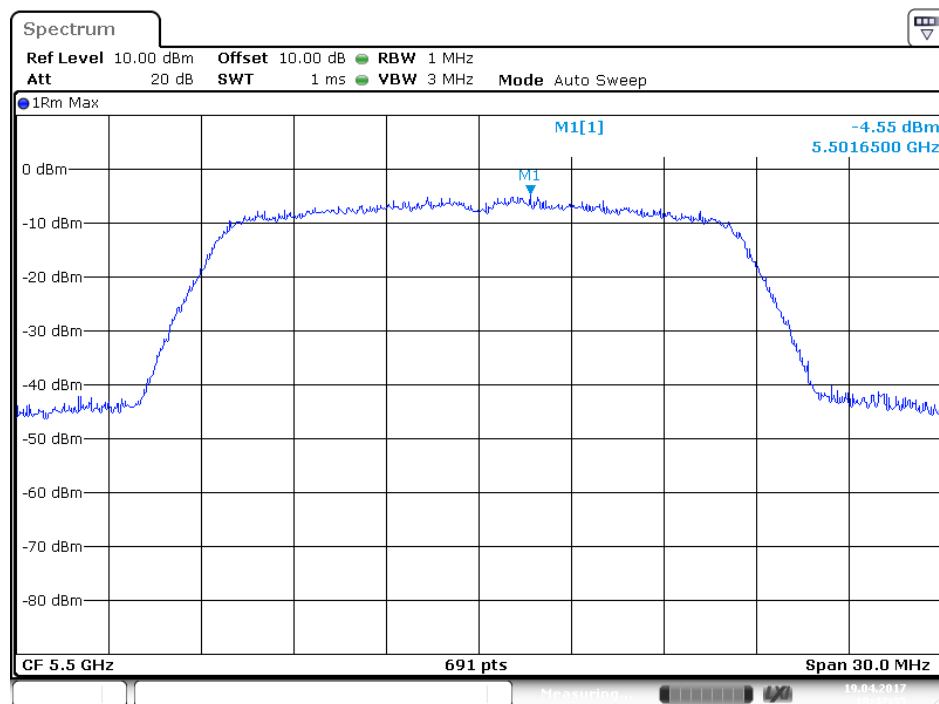
Date: 19.APR.2017 10:40:32



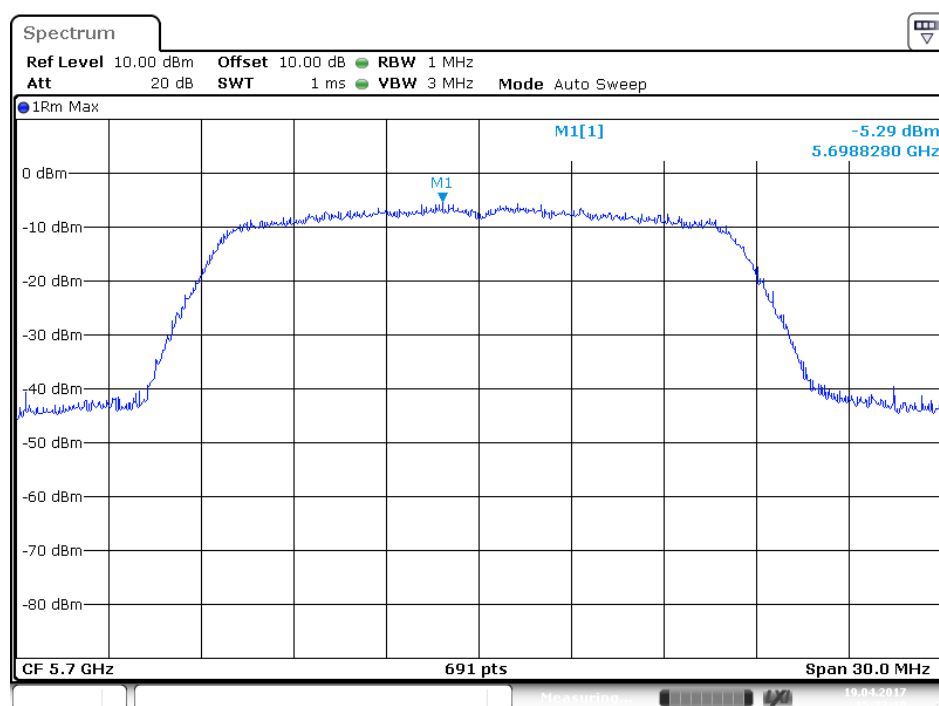
Date: 19.APR.2017 10:41:07



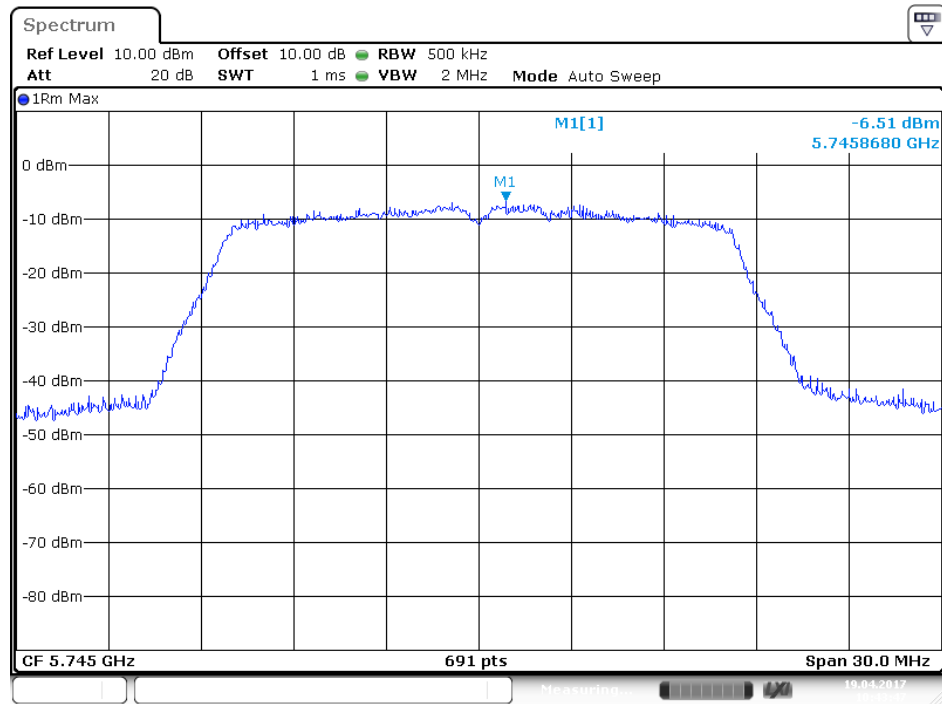
Date: 19.APR.2017 10:42:00



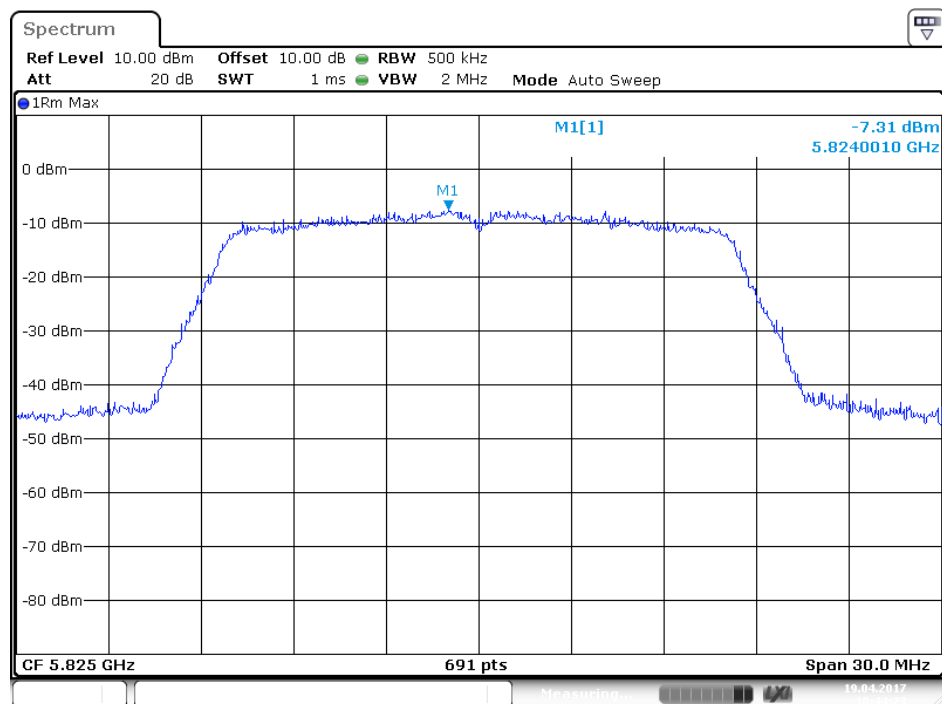
Date: 19.APR.2017 10:42:35



Date: 19.APR.2017 15:22:19

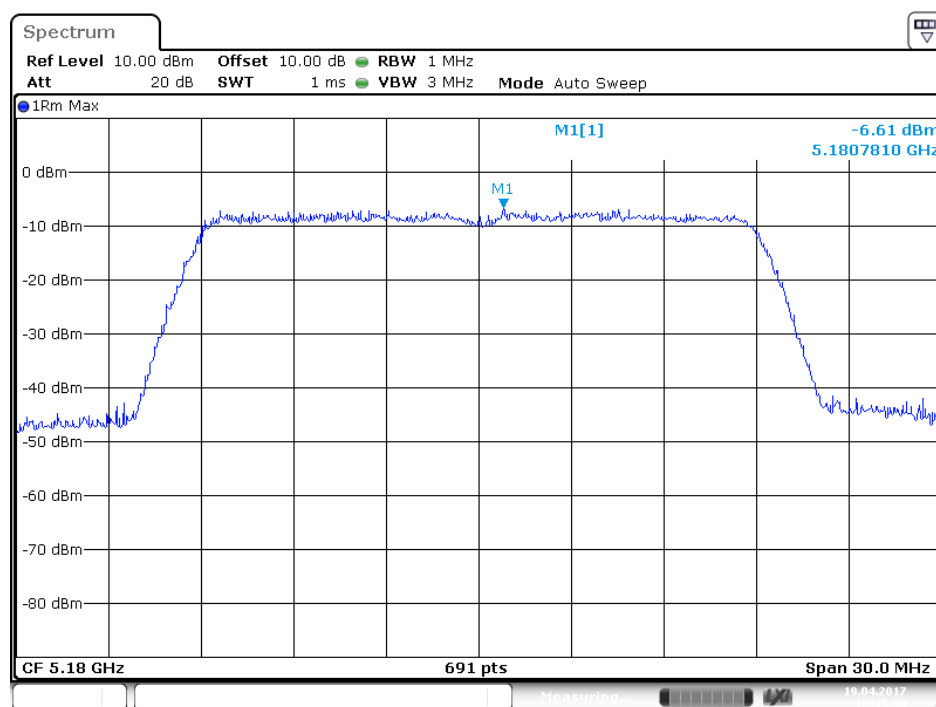


Date: 19.APR.2017 10:43:47

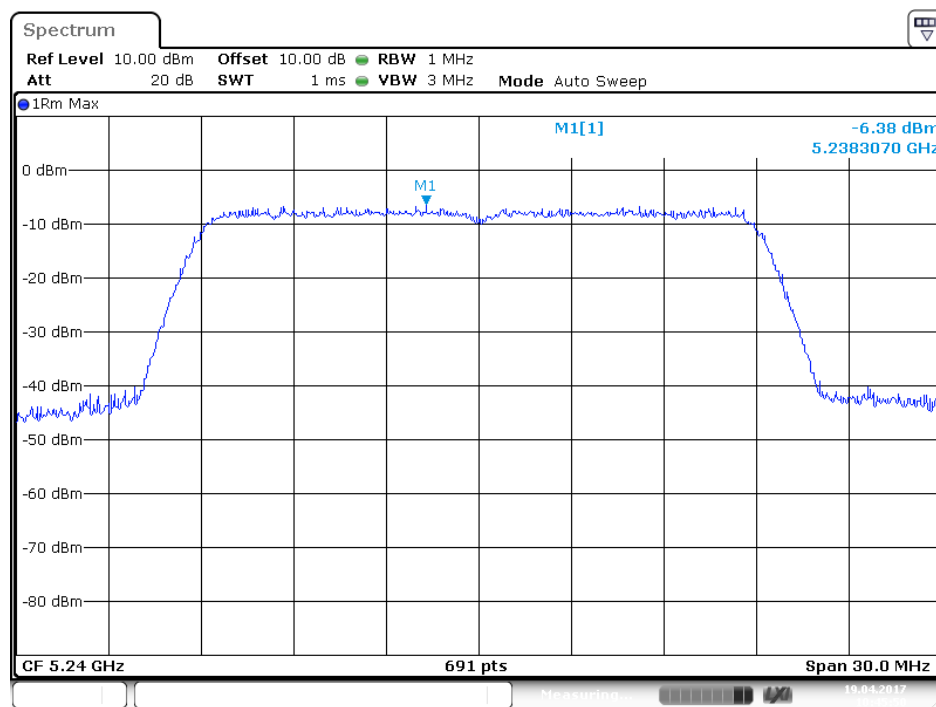


Date: 19.APR.2017 10:44:24

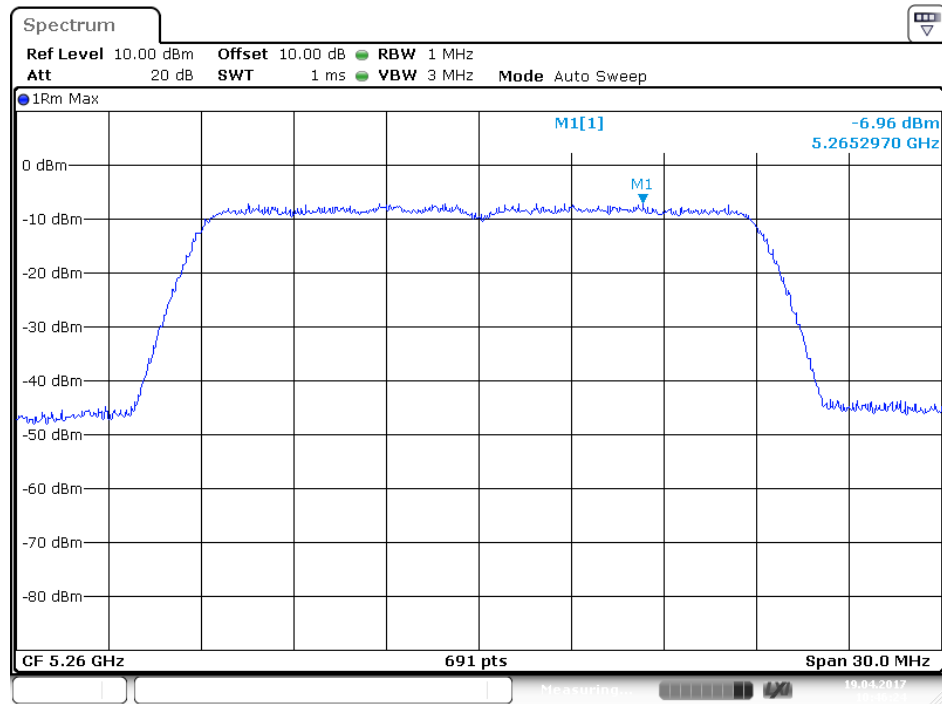
802.11N20



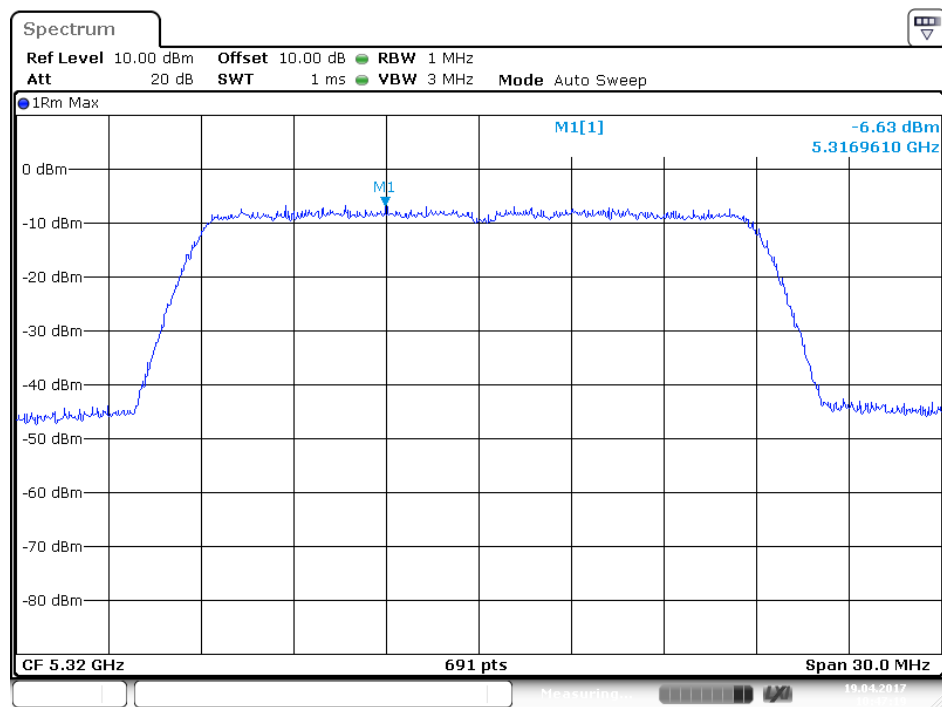
Date: 19.APR.2017 10:45:09



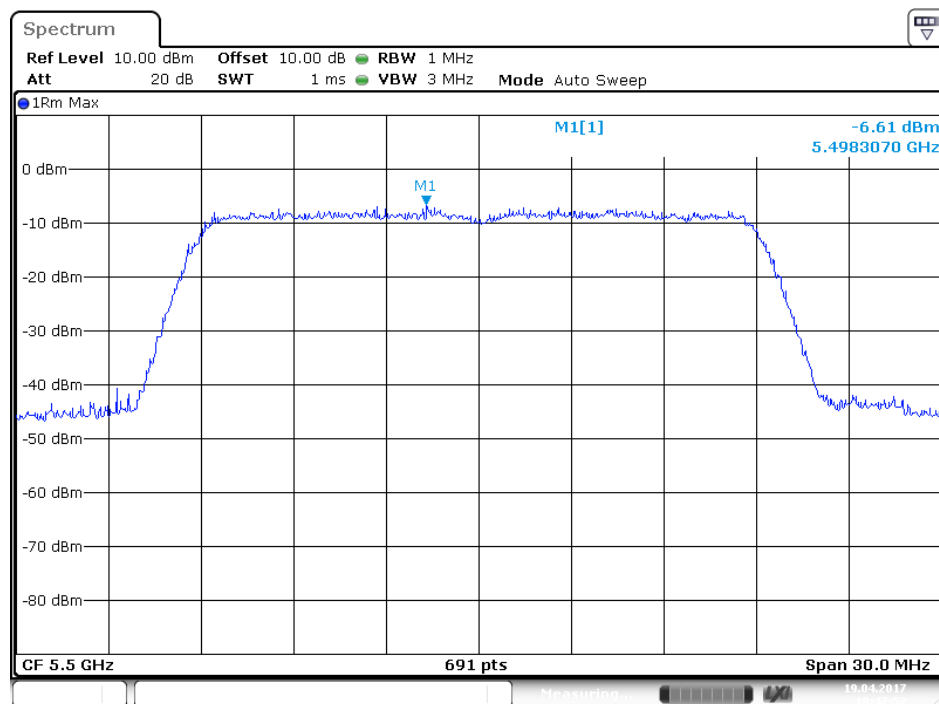
Date: 19.APR.2017 10:45:50



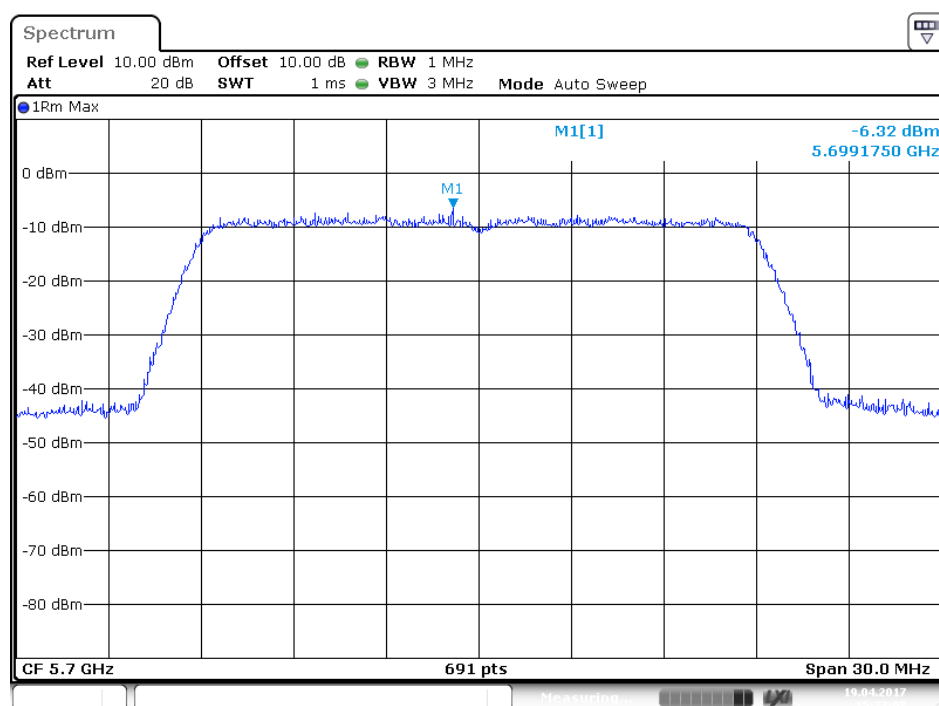
Date: 19.APR.2017 10:46:25



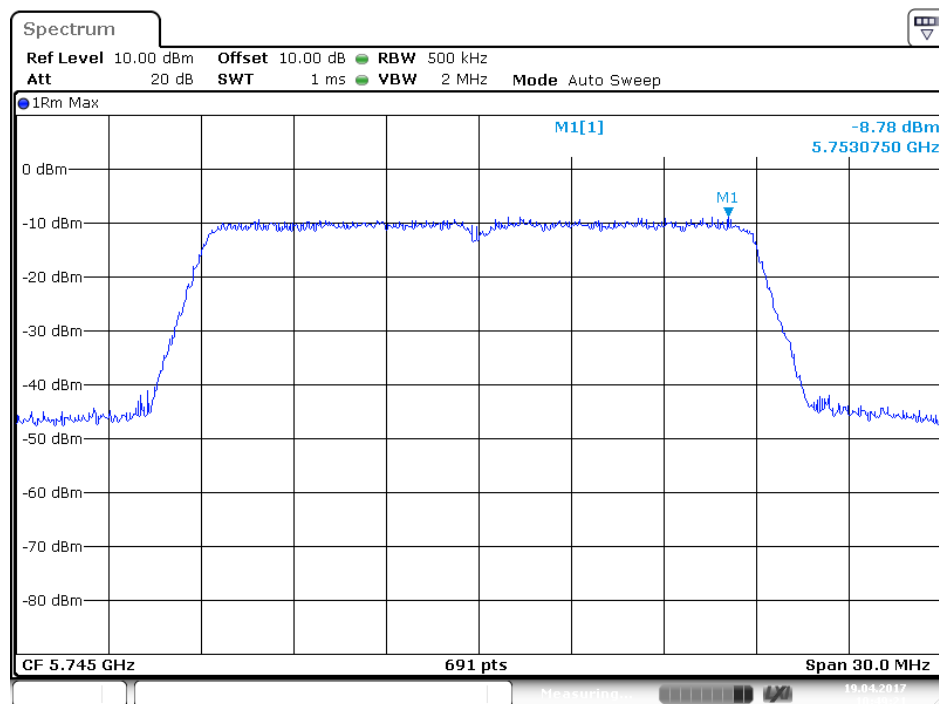
Date: 19.APR.2017 10:47:19



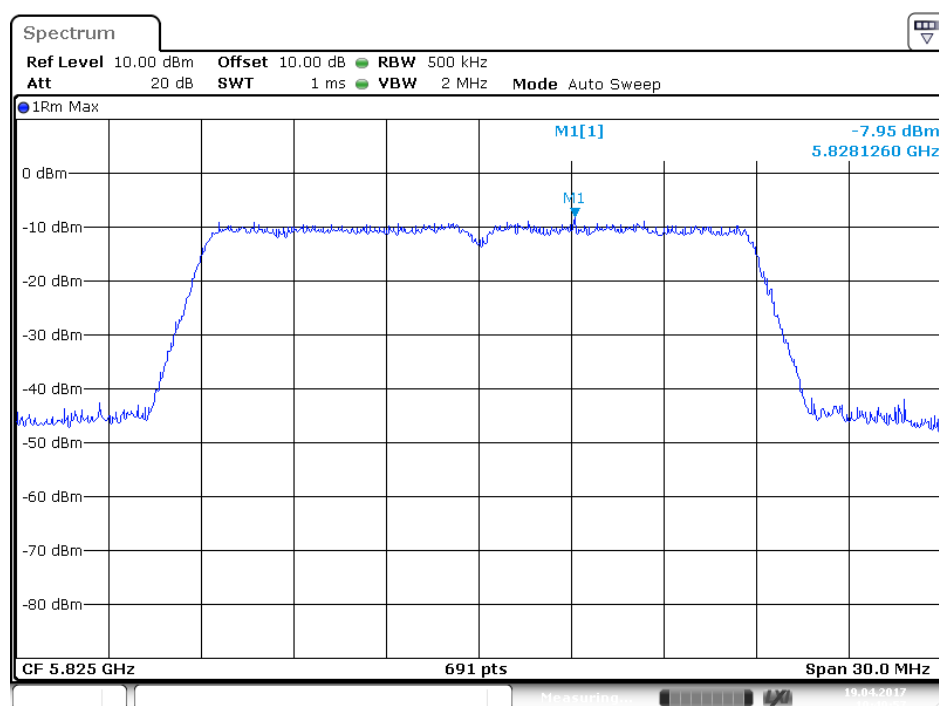
Date: 19.APR.2017 10:47:52



Date: 19.APR.2017 15:23:08

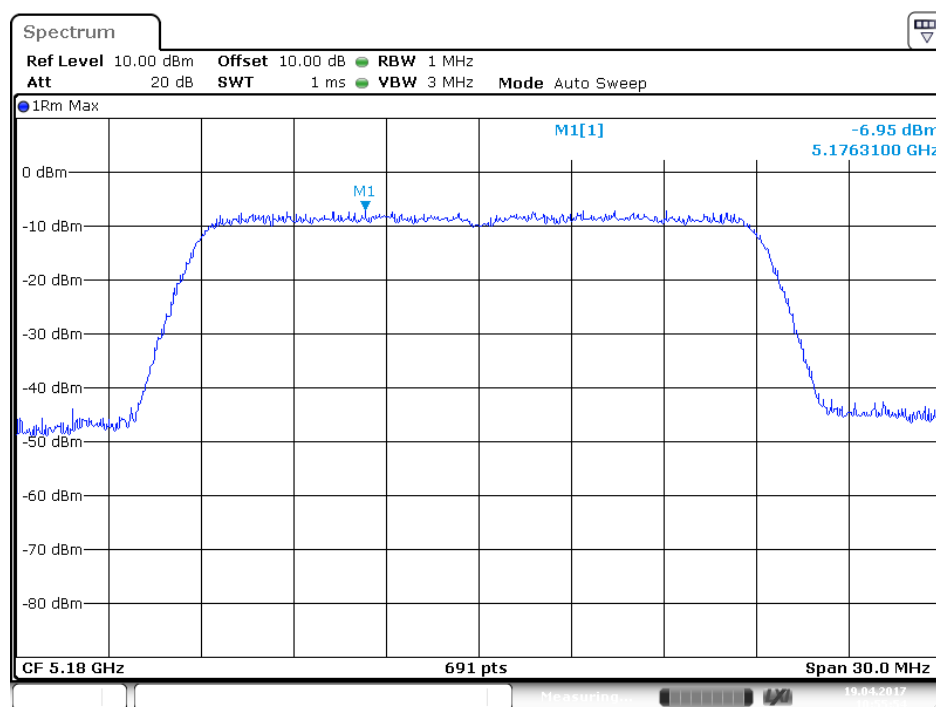


Date: 19.APR.2017 10:49:21

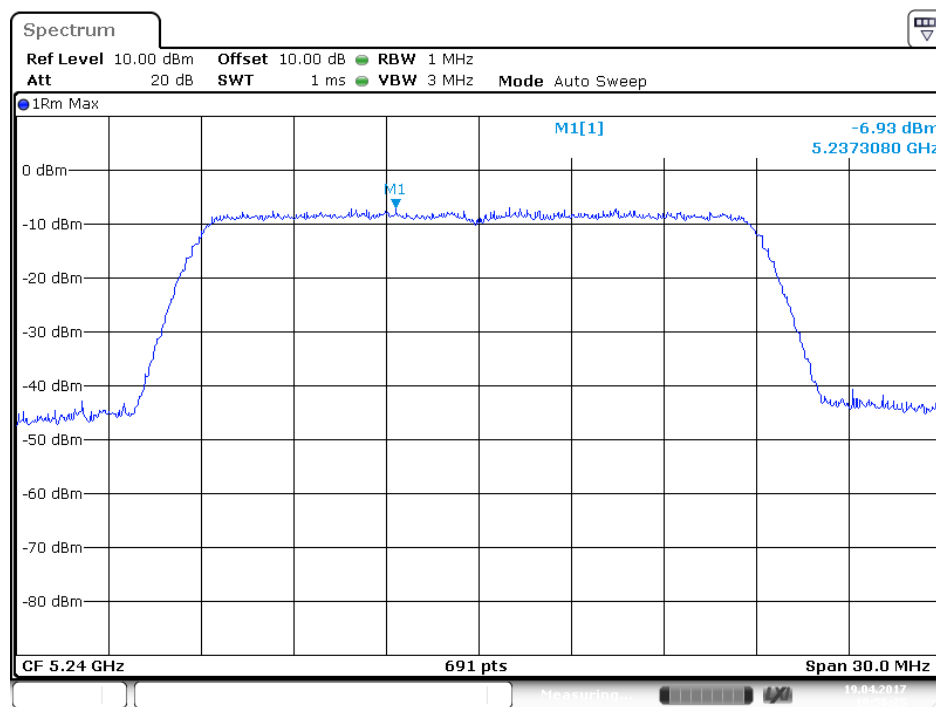


Date: 19.APR.2017 10:49:57

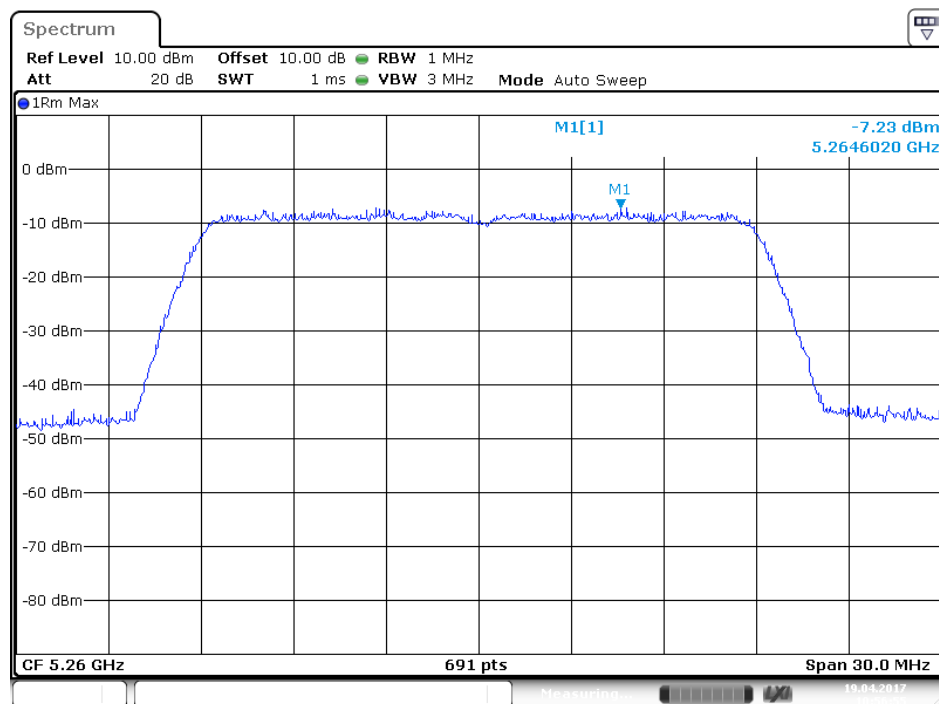
## 802.11ac20



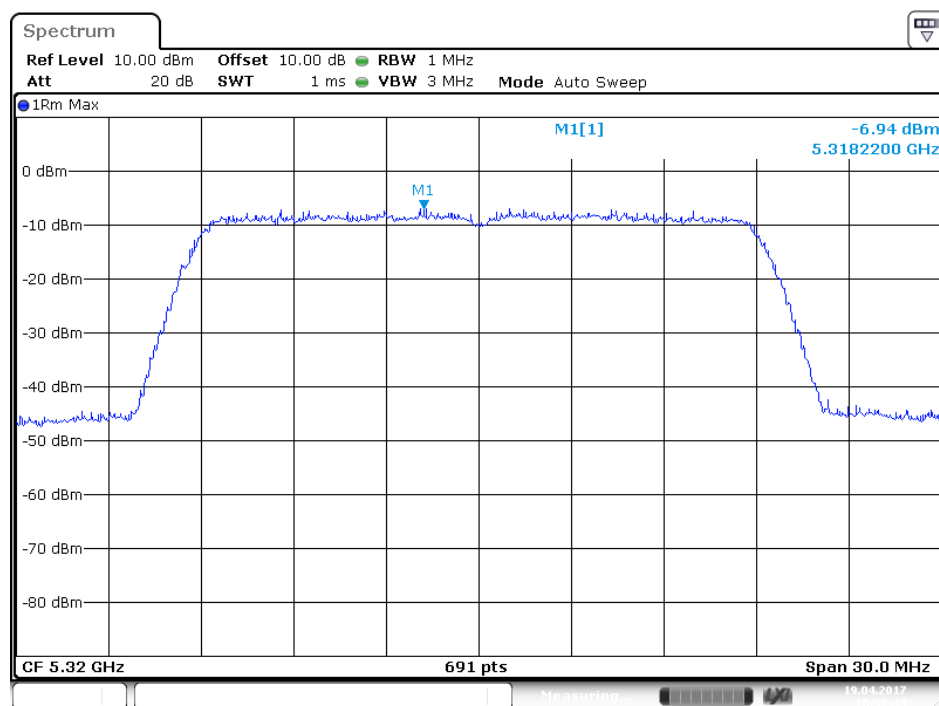
Date: 19.APR.2017 10:55:54



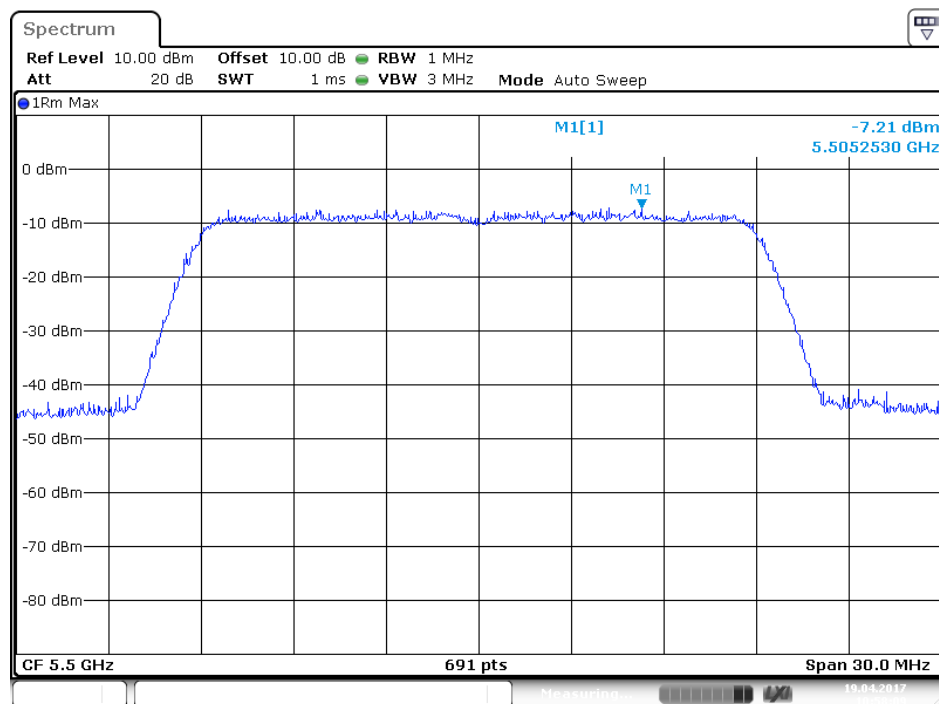
Date: 19.APR.2017 10:56:25



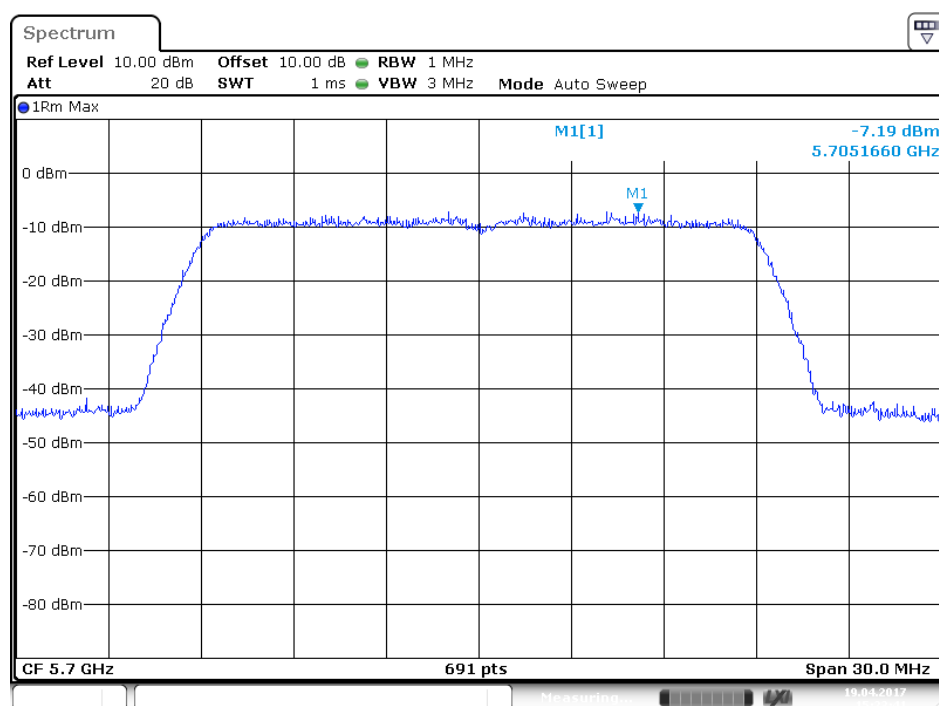
Date: 19.APR.2017 10:56:55



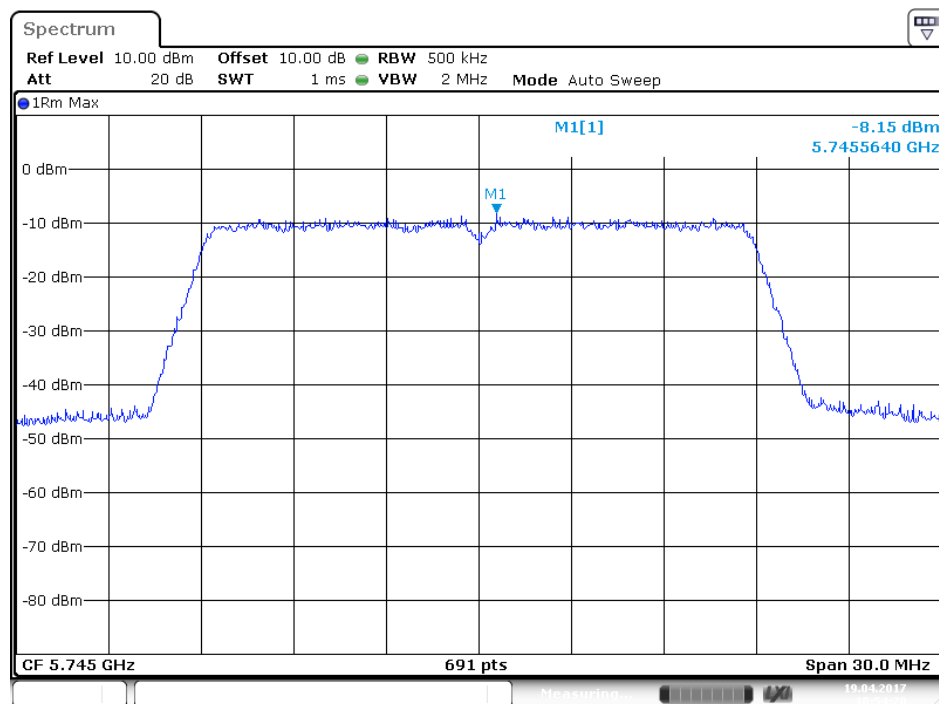
Date: 19.APR.2017 10:57:34



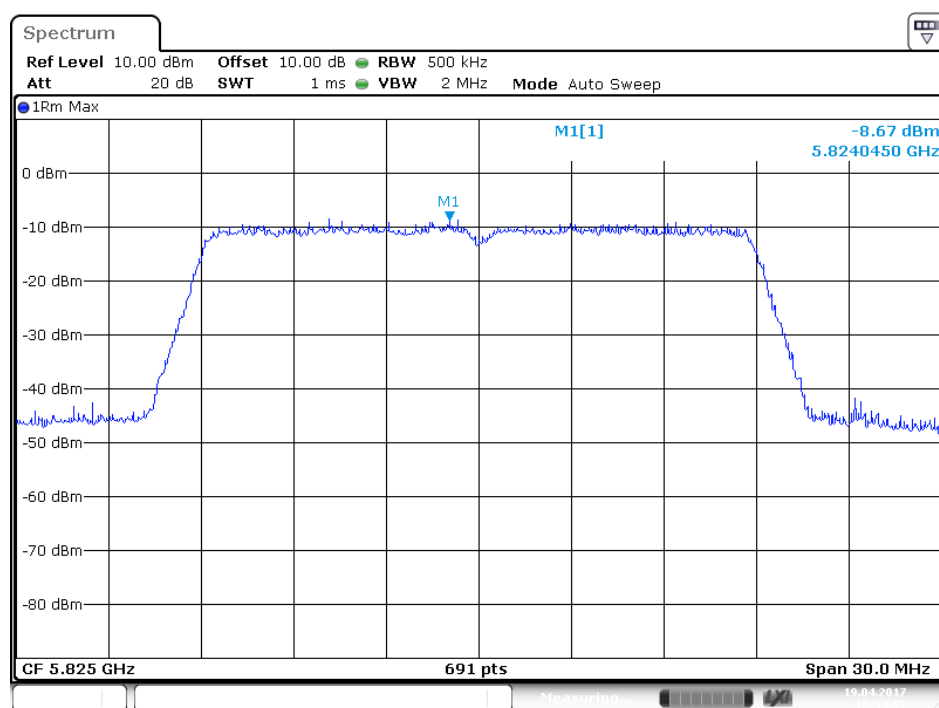
Date: 19.APR.2017 10:58:09



Date: 19.APR.2017 15:23:41

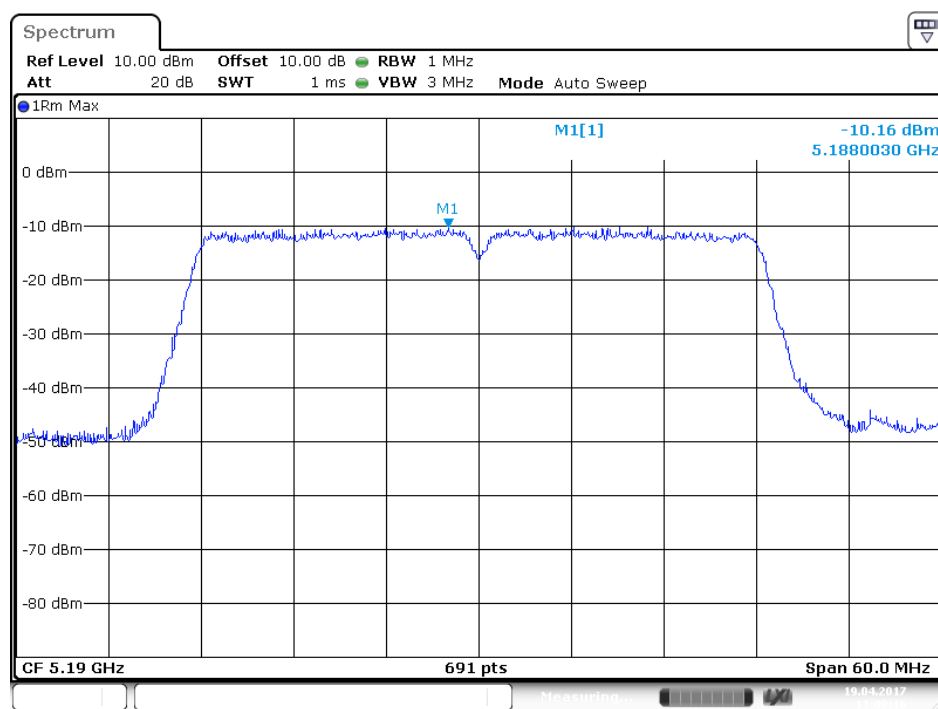


Date: 19.APR.2017 10:54:20

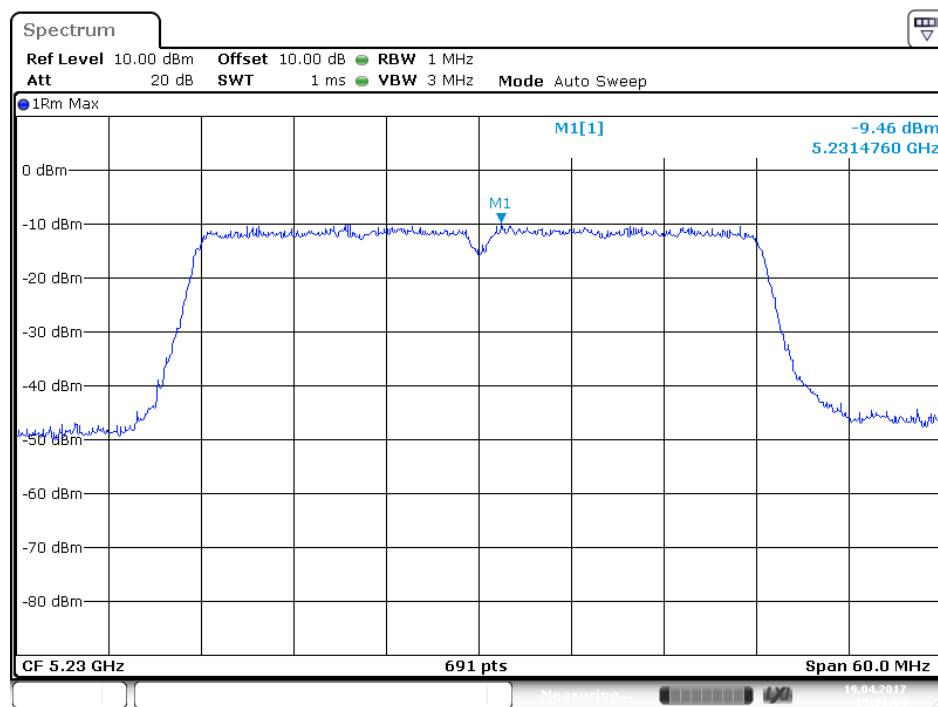


Date: 19.APR.2017 10:54:58

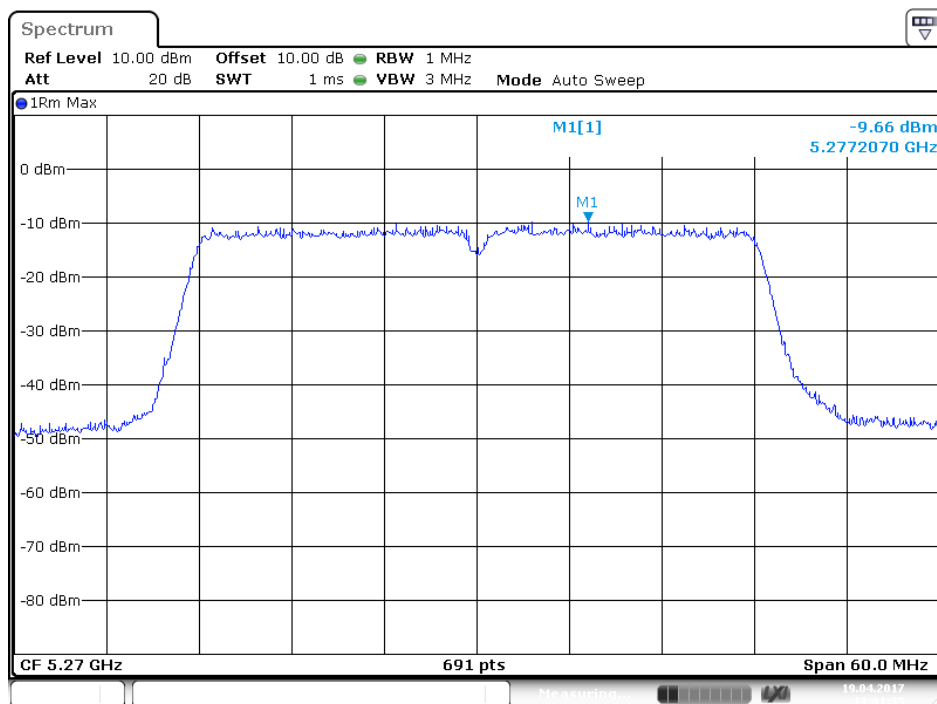
802.11N40



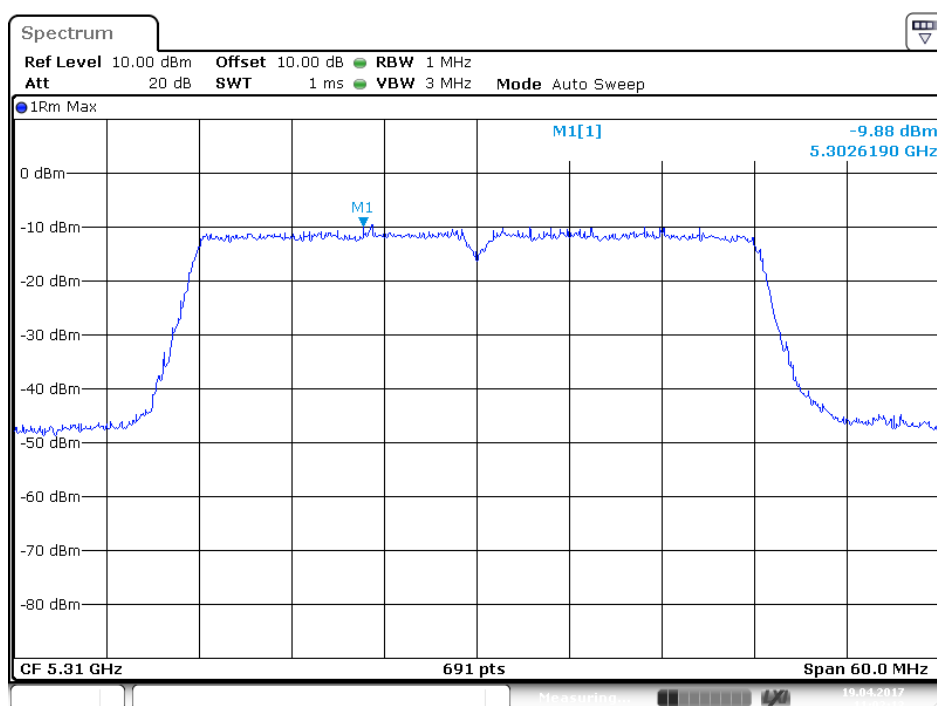
Date: 19.APR.2017 11:00:16



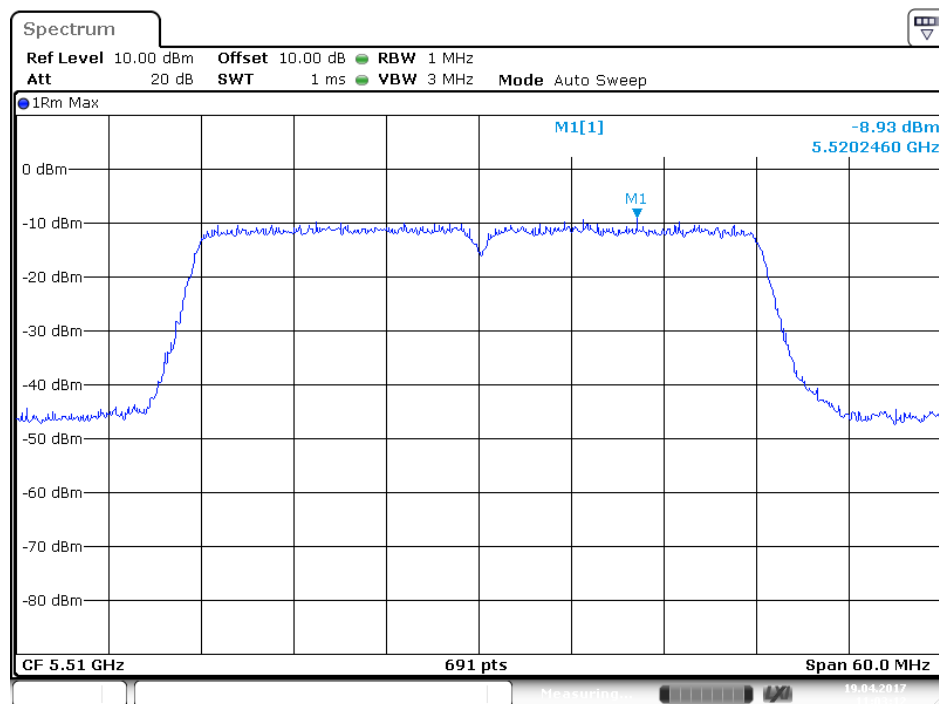
Date: 19.APR.2017 11:01:04



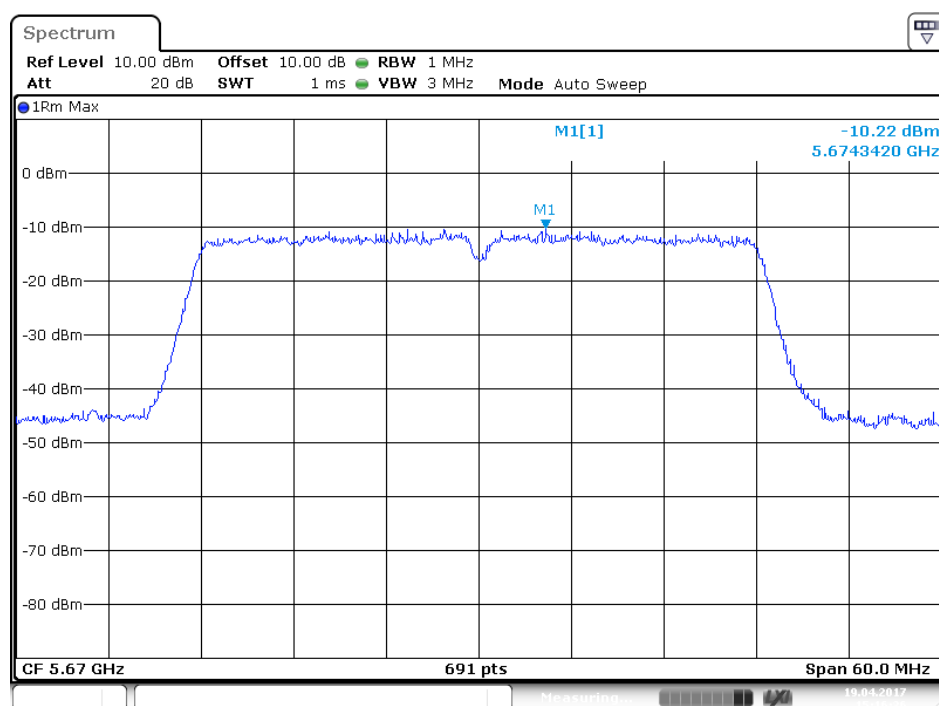
Date: 19.APR.2017 11:01:35



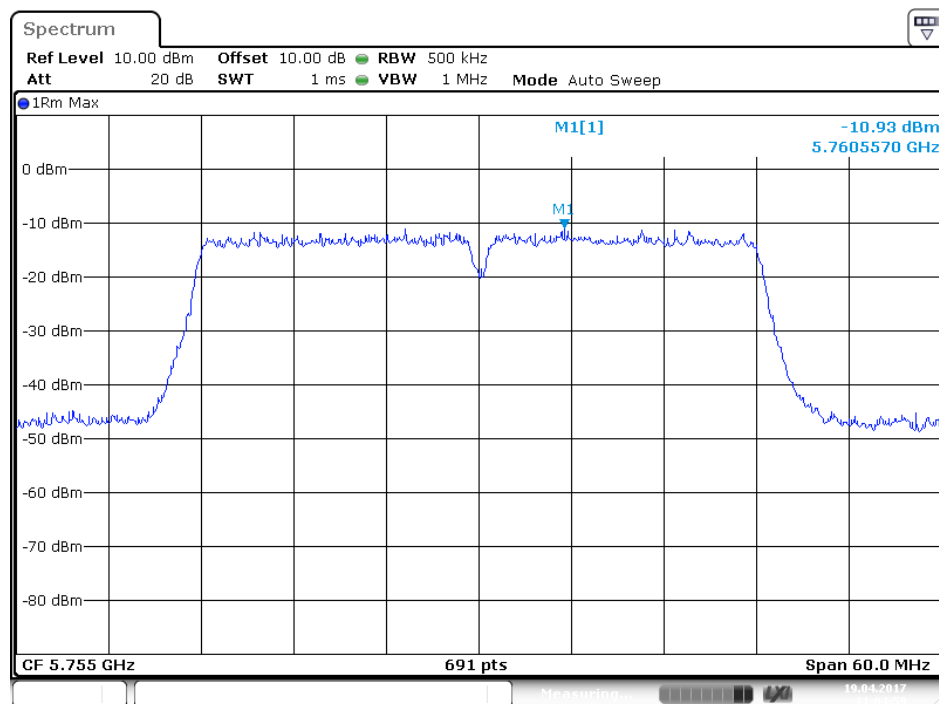
Date: 19.APR.2017 11:02:13



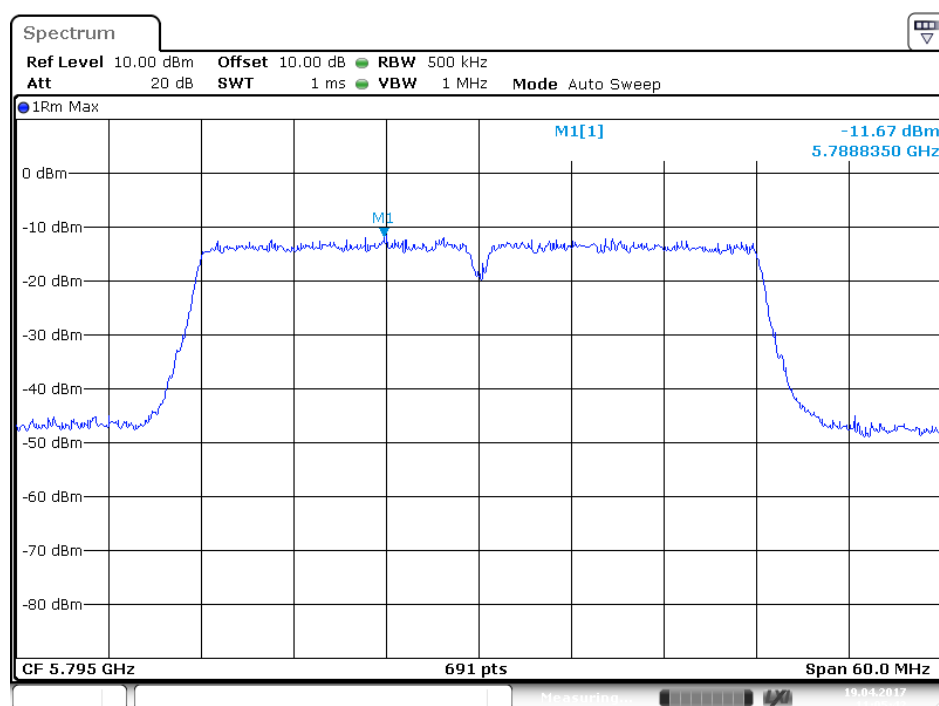
Date: 19.APR.2017 11:03:12



Date: 19.APR.2017 15:16:36

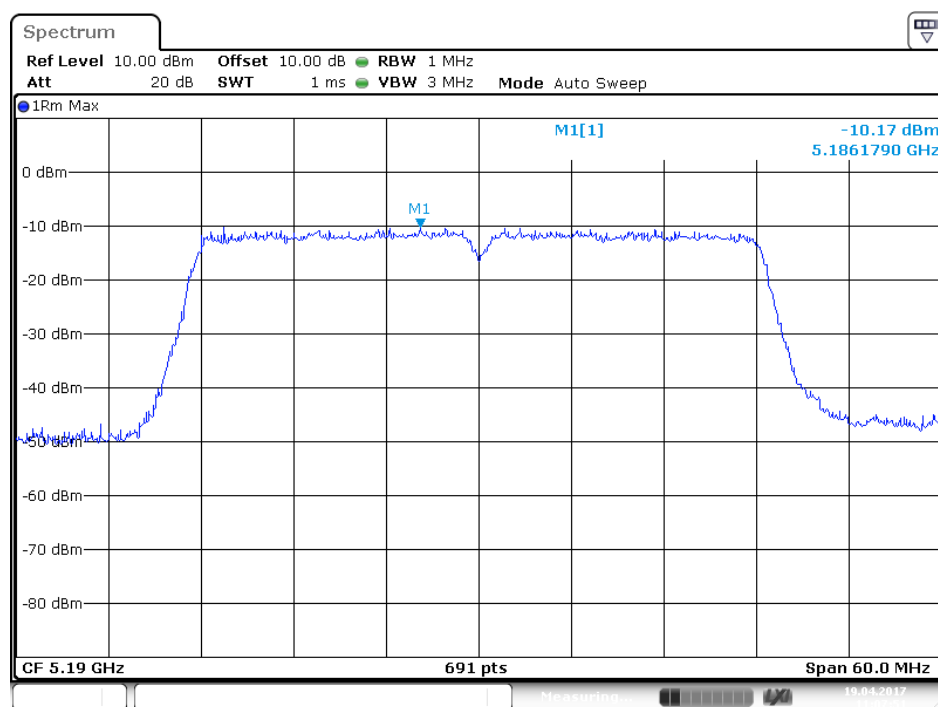


Date: 19.APR.2017 11:05:00

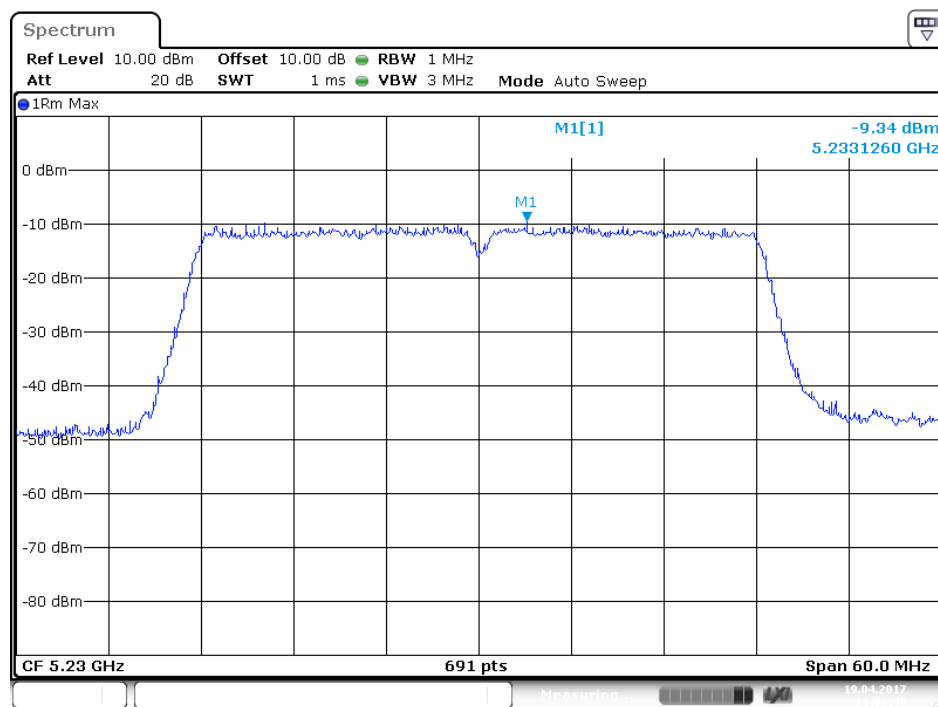


Date: 19.APR.2017 11:05:43

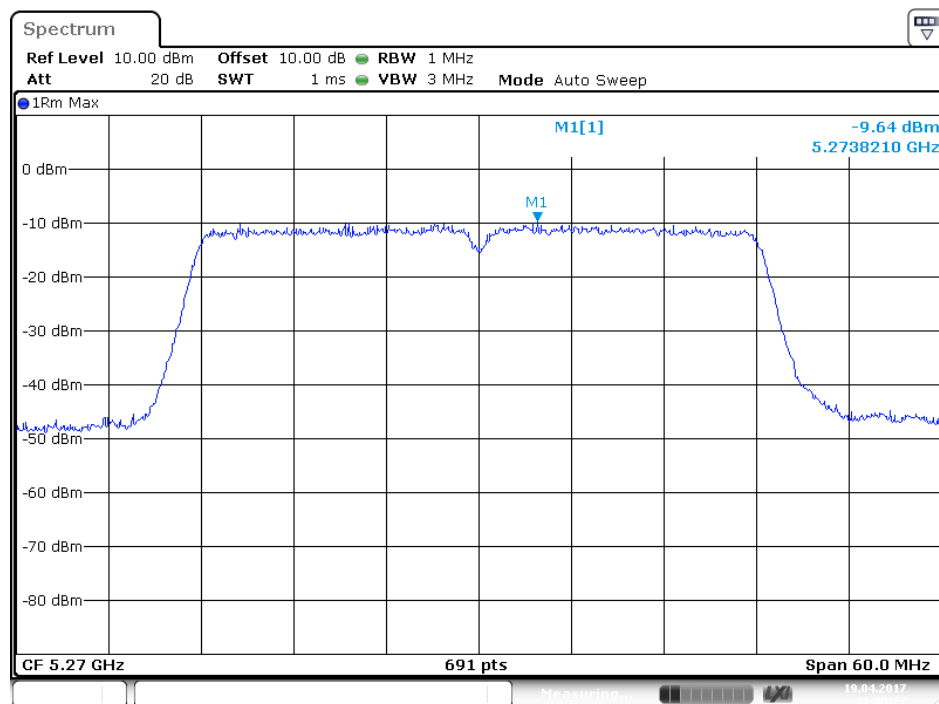
## 802.11ac40



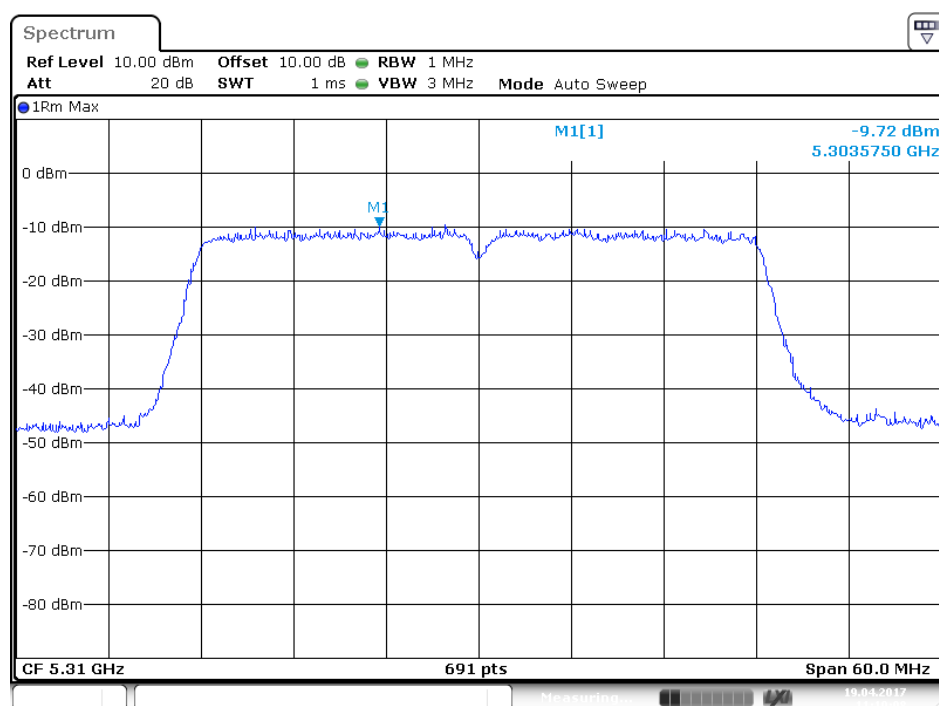
Date: 19.APR.2017 11:07:51



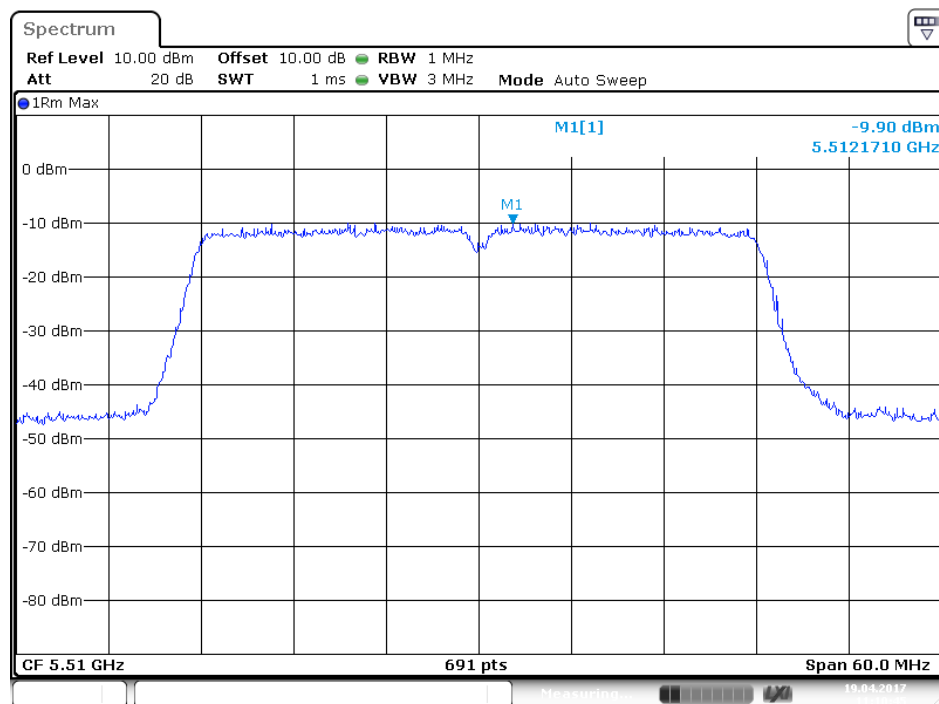
Date: 19.APR.2017 11:08:46



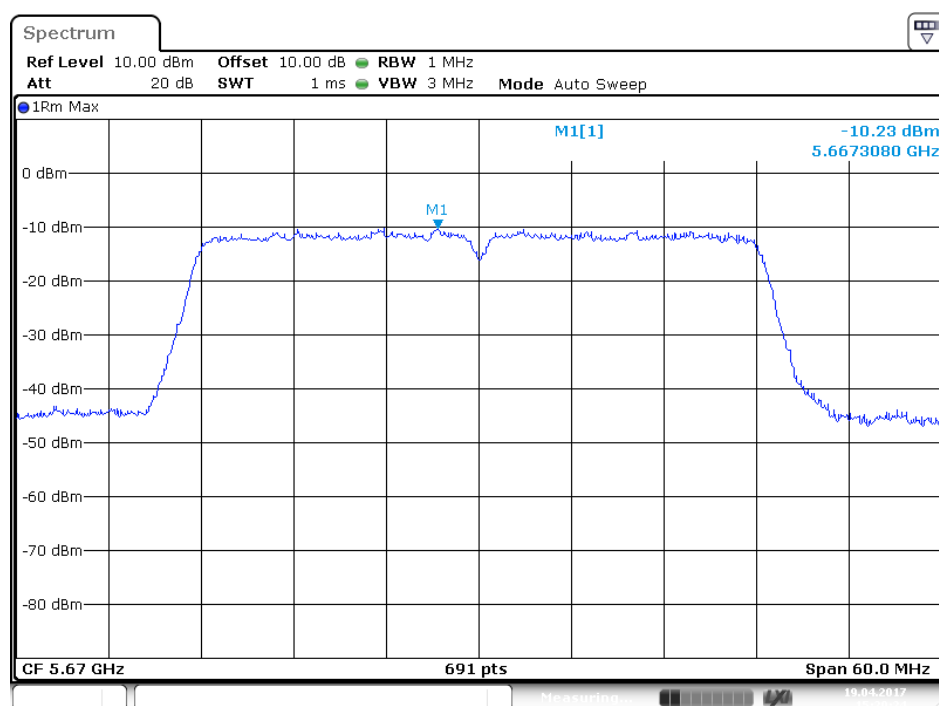
Date: 19.APR.2017 11:09:27



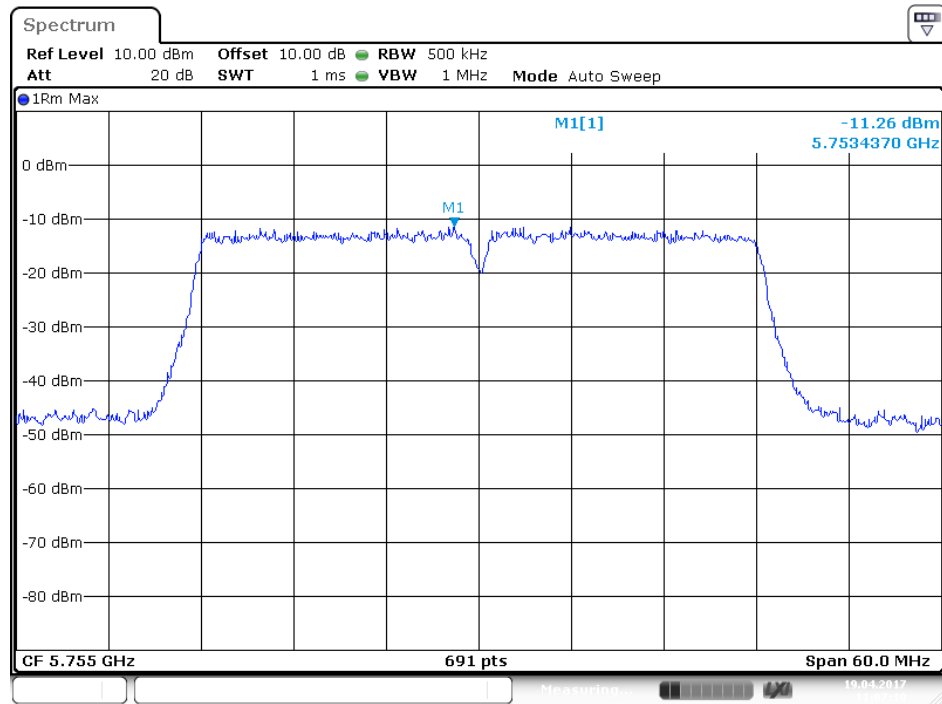
Date: 19.APR.2017 11:10:08



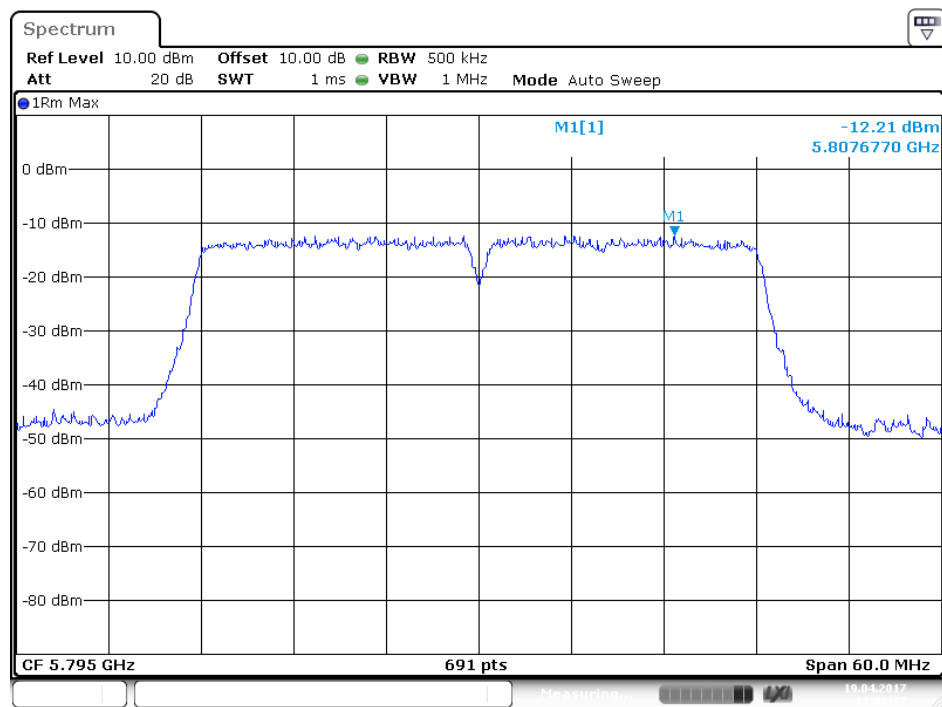
Date: 19.APR.2017 11:10:46



Date: 19.APR.2017 15:20:24

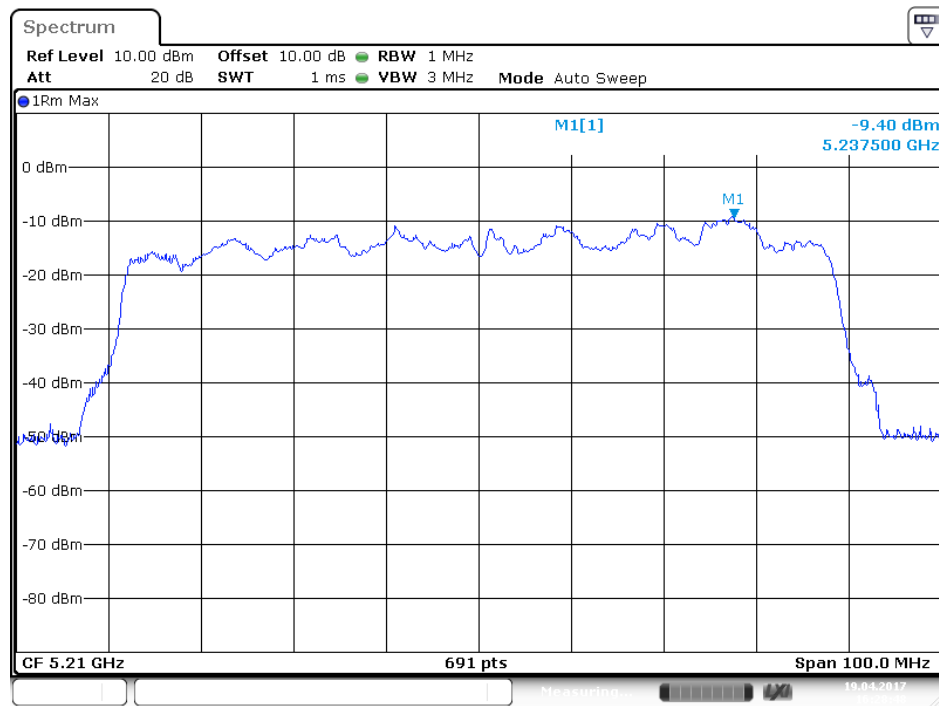


Date: 19.APR.2017 11:07:10

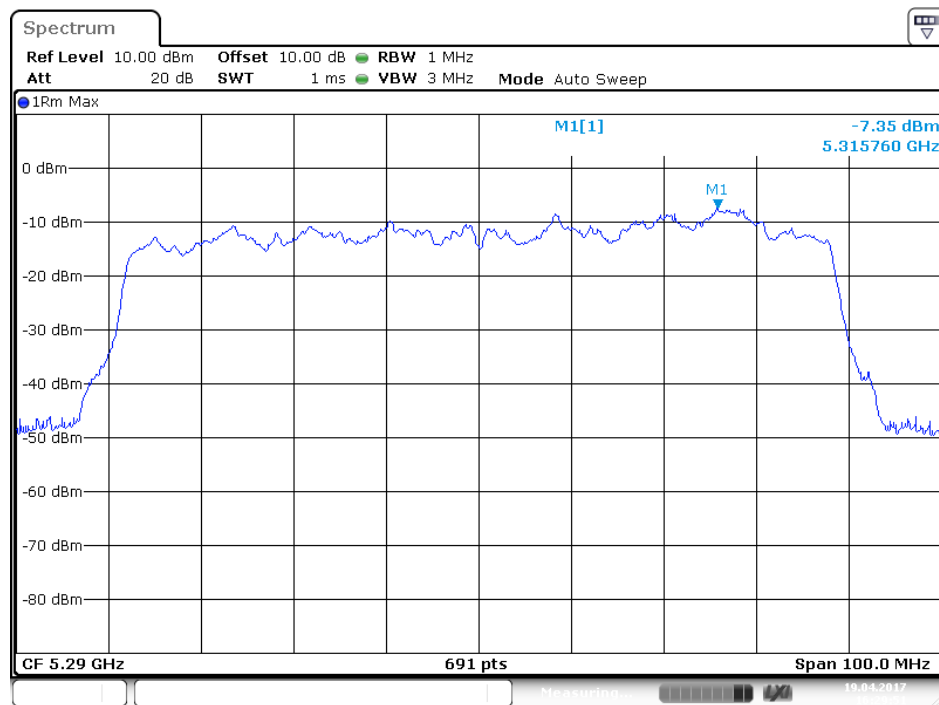


Date: 19.APR.2017 11:06:17

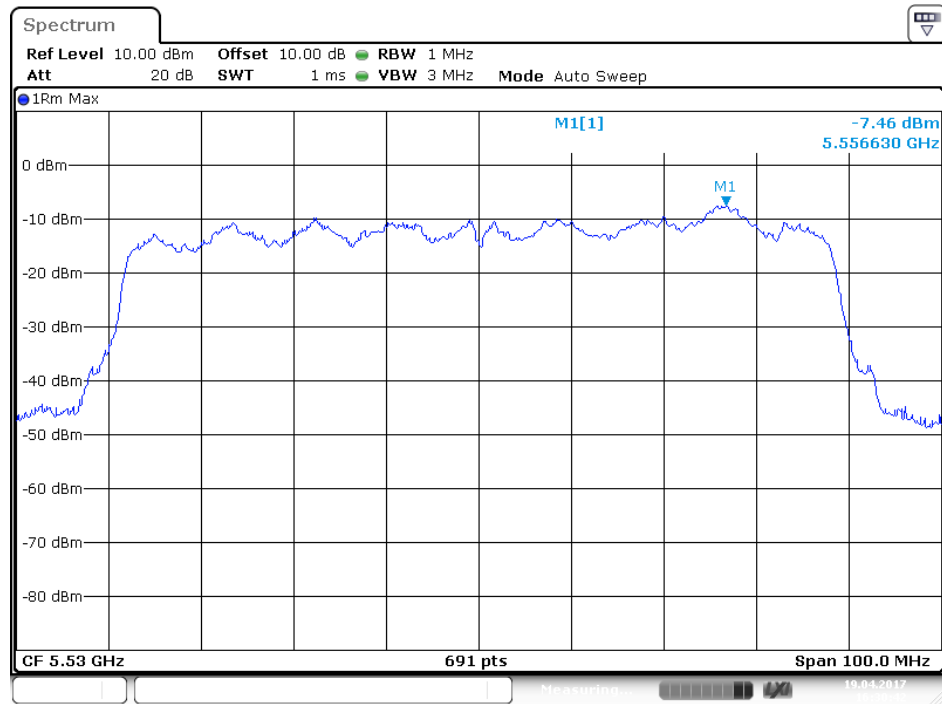
802.11ac80



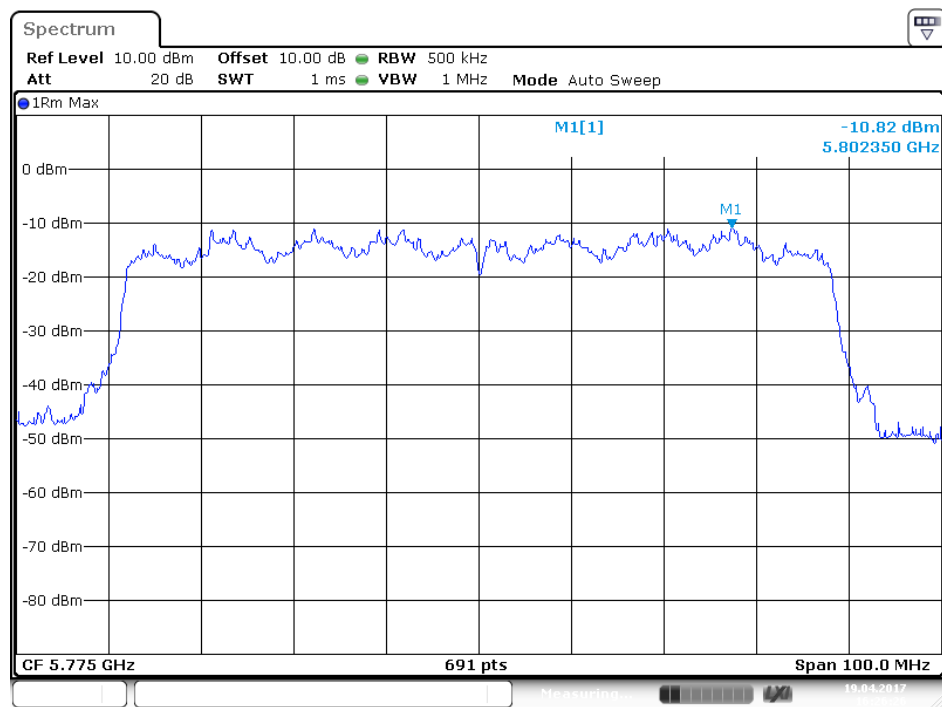
Date: 19.APR.2017 16:28:48



Date: 19.APR.2017 16:29:51



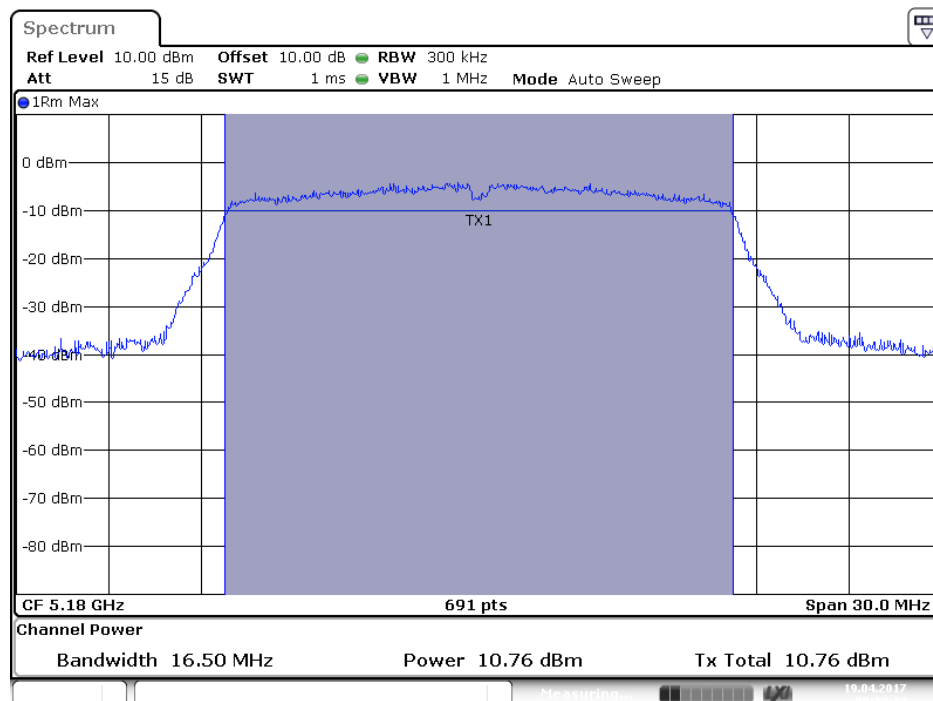
Date: 19.APR.2017 16:30:42



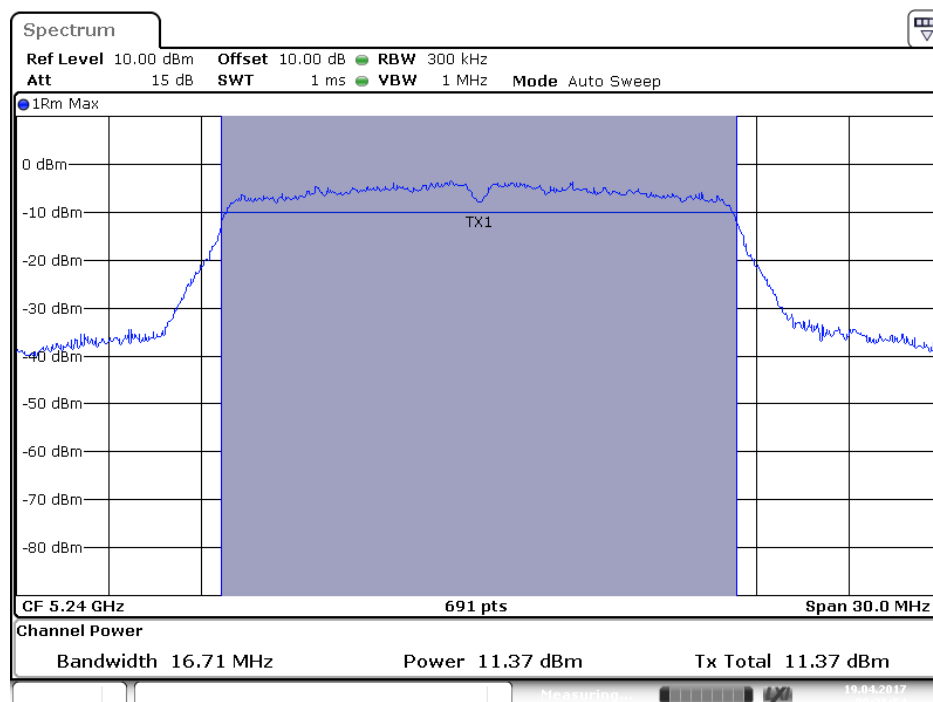
Date: 19.APR.2017 16:26:26

## Power Test Result

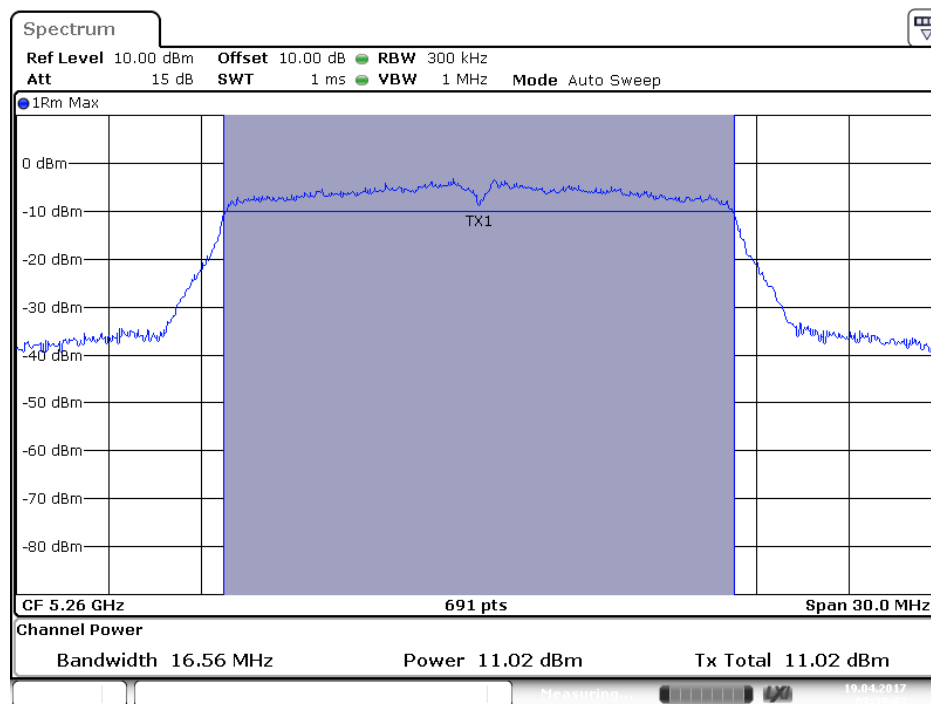
802.11A



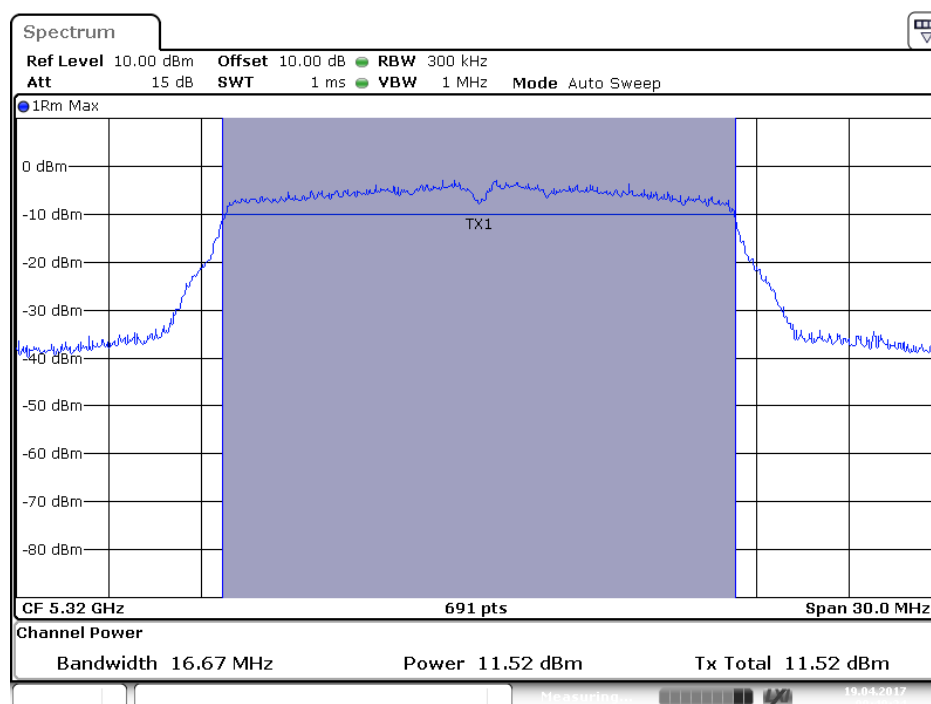
Date: 19.APR.2017 09:34:25



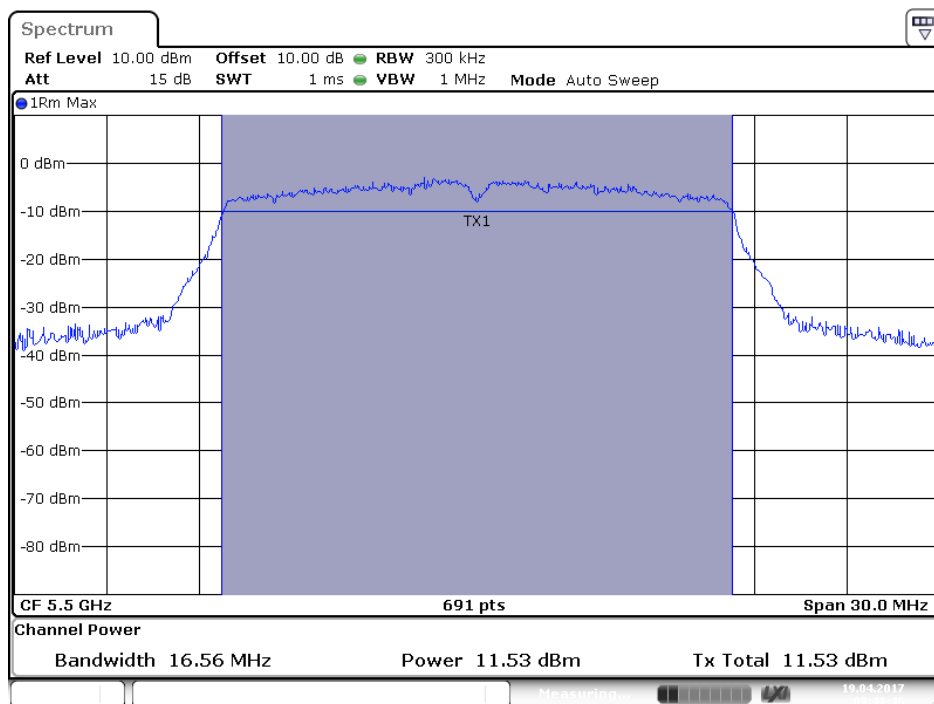
Date: 19.APR.2017 09:36:54



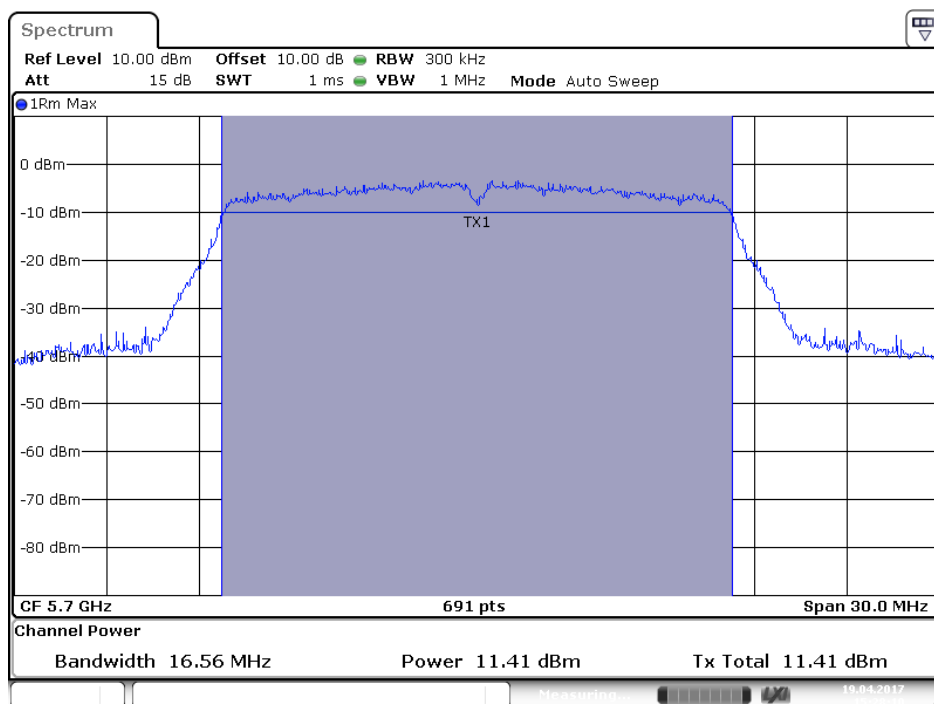
Date: 19.APR.2017 09:39:03



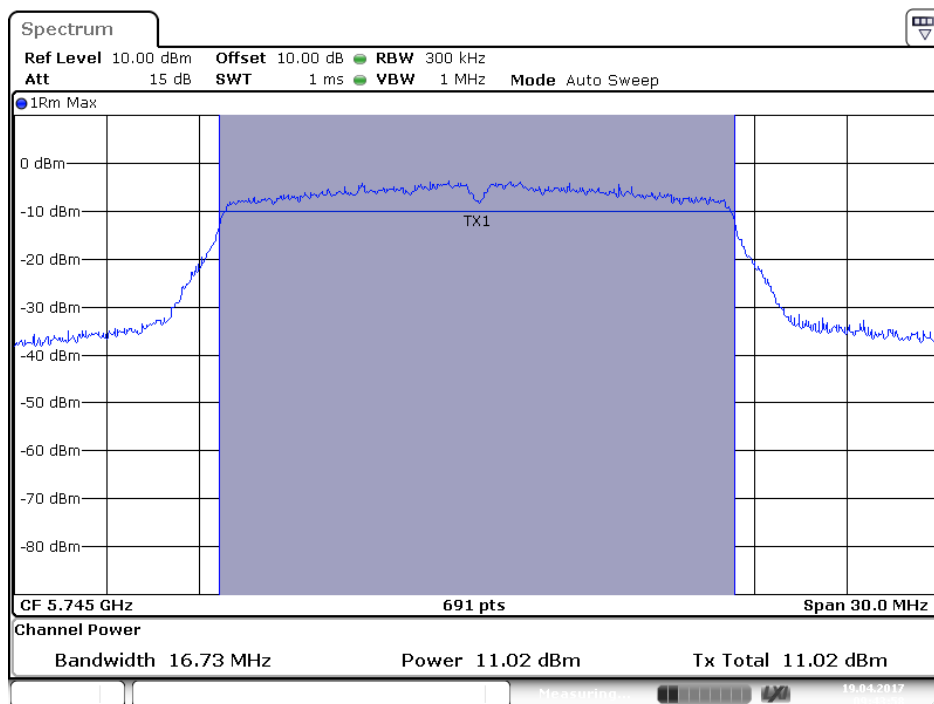
Date: 19.APR.2017 09:40:24



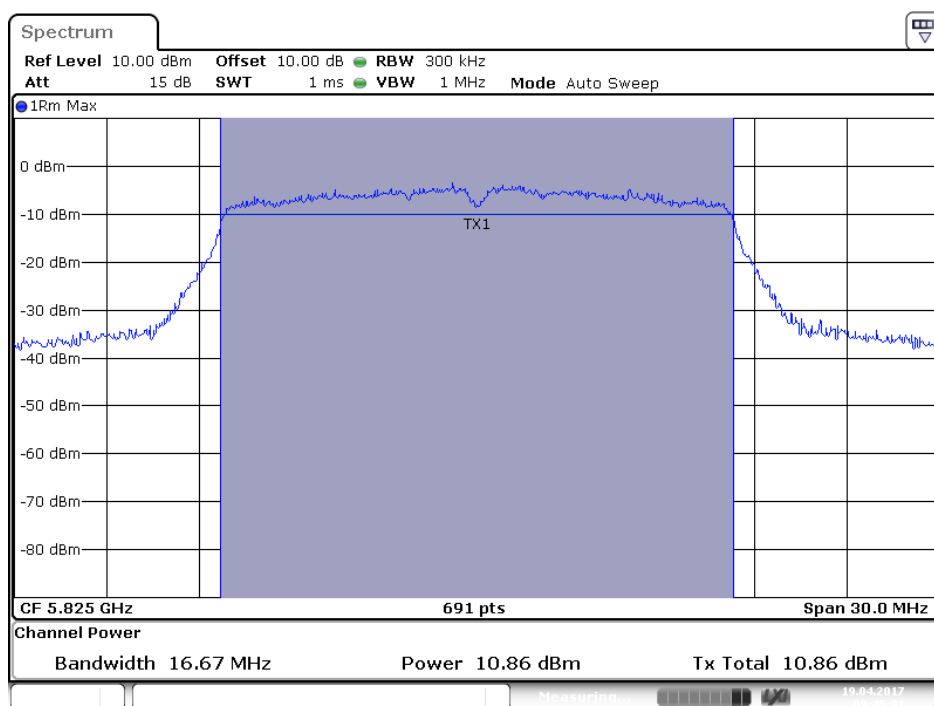
Date: 19.APR.2017 09:41:47



Date: 19.APR.2017 15:28:10

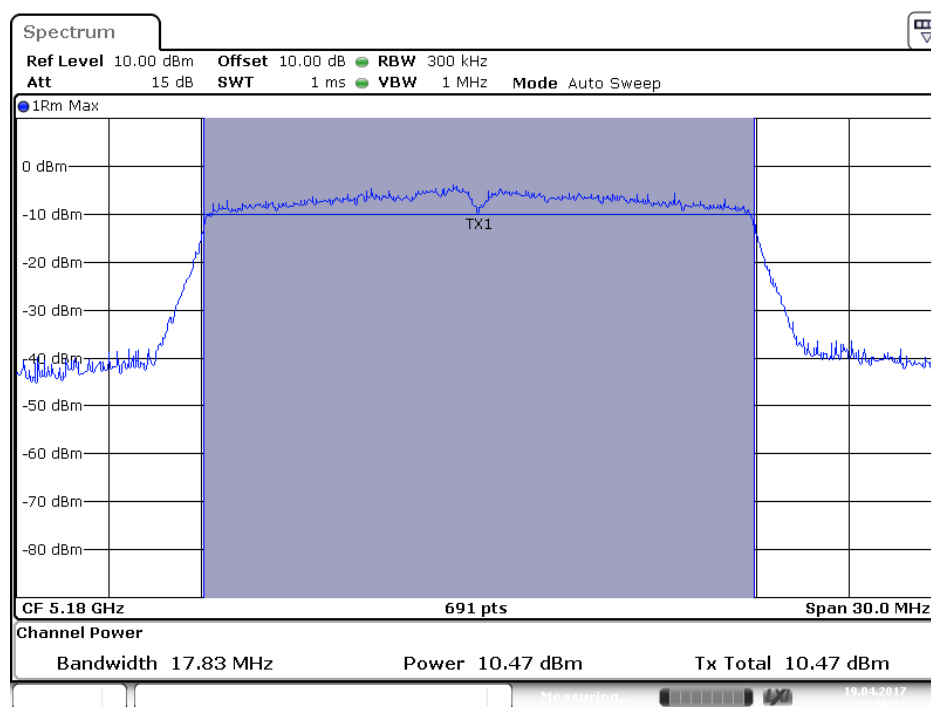


Date: 19.APR.2017 09:43:58

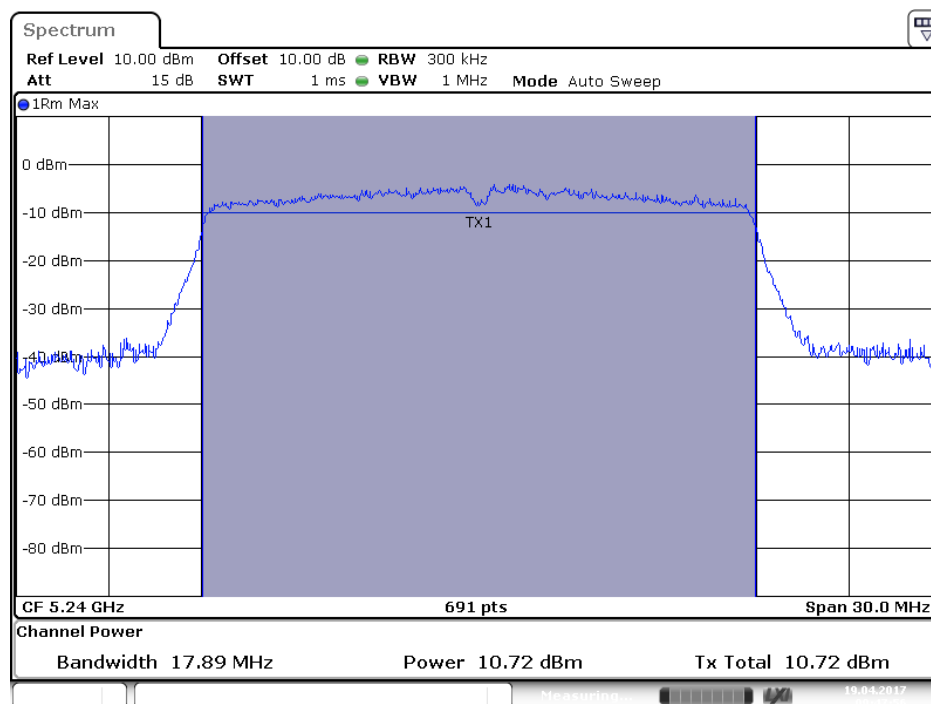


Date: 19.APR.2017 09:45:01

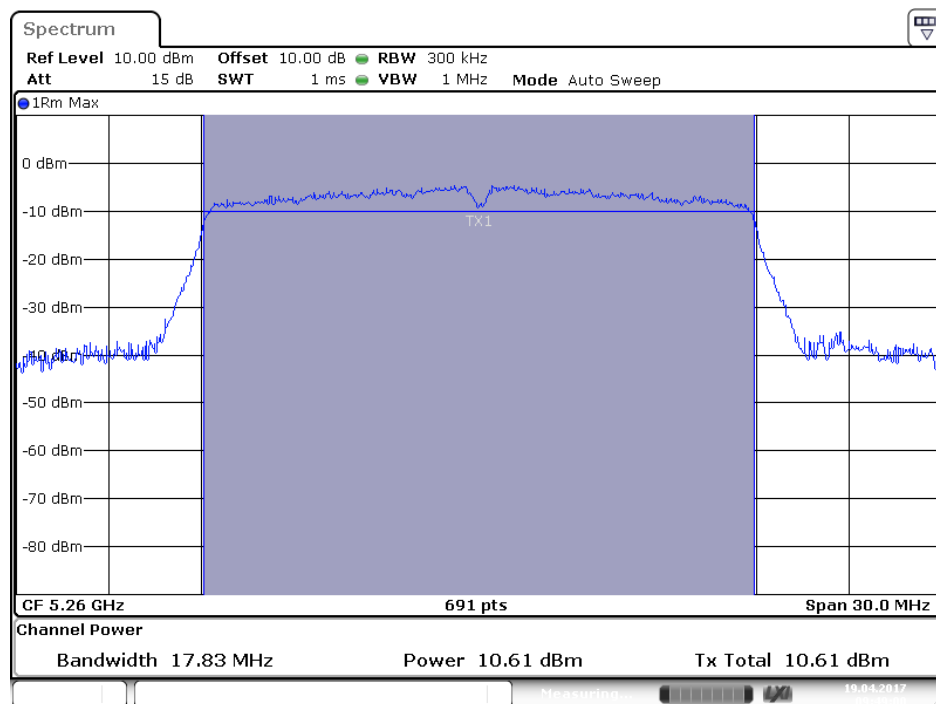
802.11N20



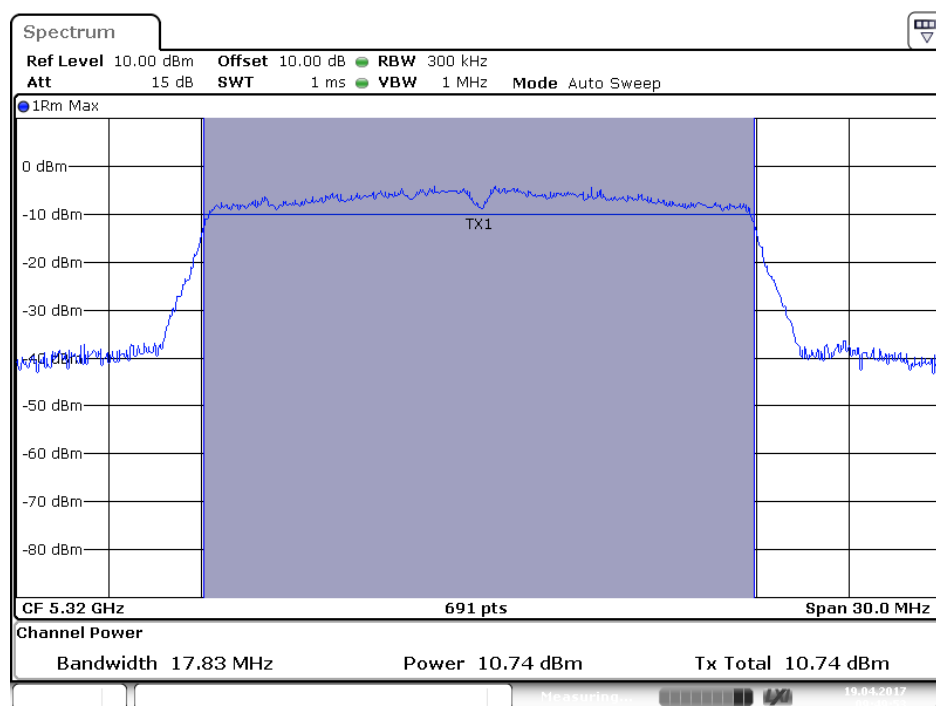
Date: 19.APR.2017 09:46:41



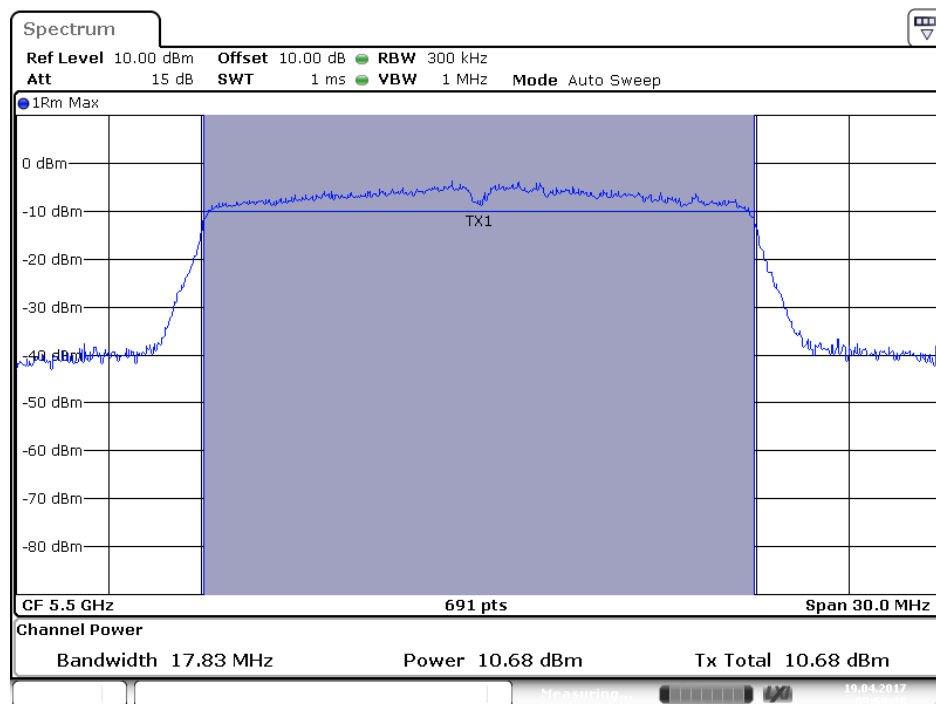
Date: 19.APR.2017 09:47:56



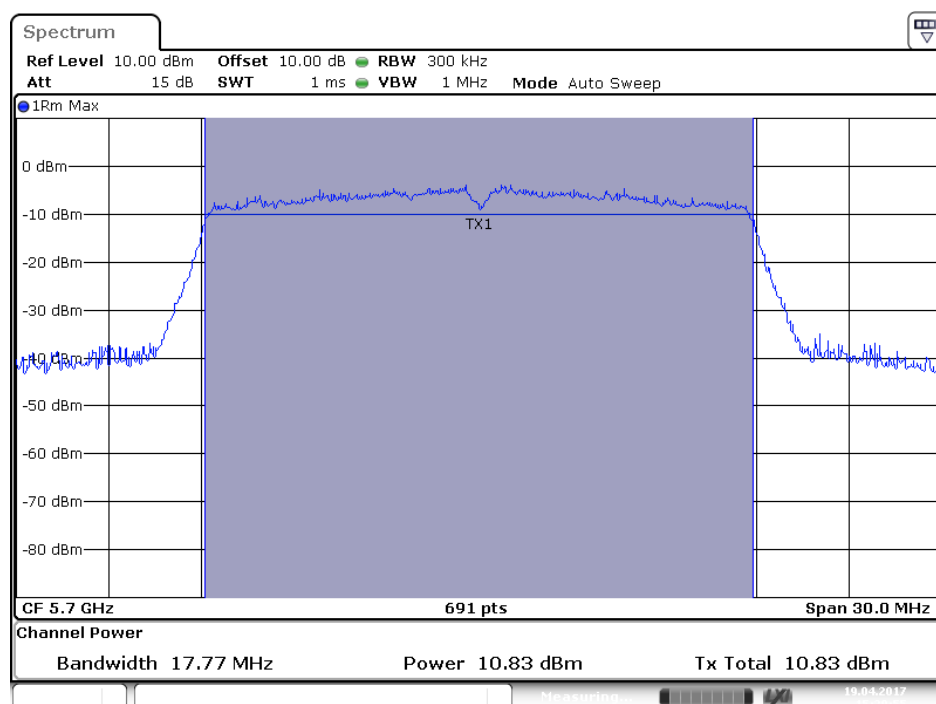
Date: 19.APR.2017 09:49:00



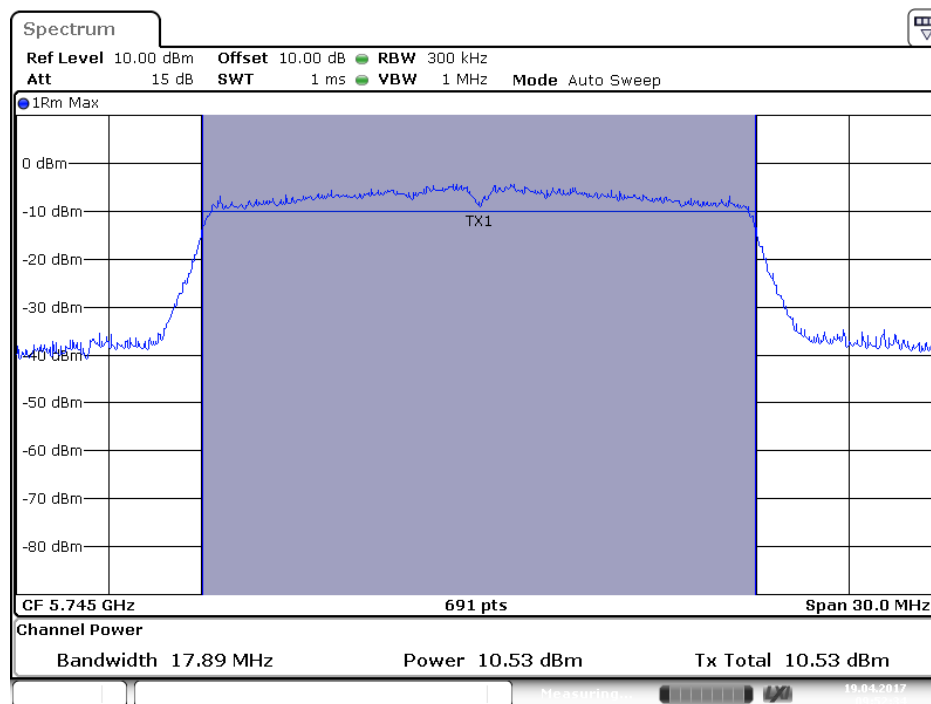
Date: 19.APR.2017 09:49:53



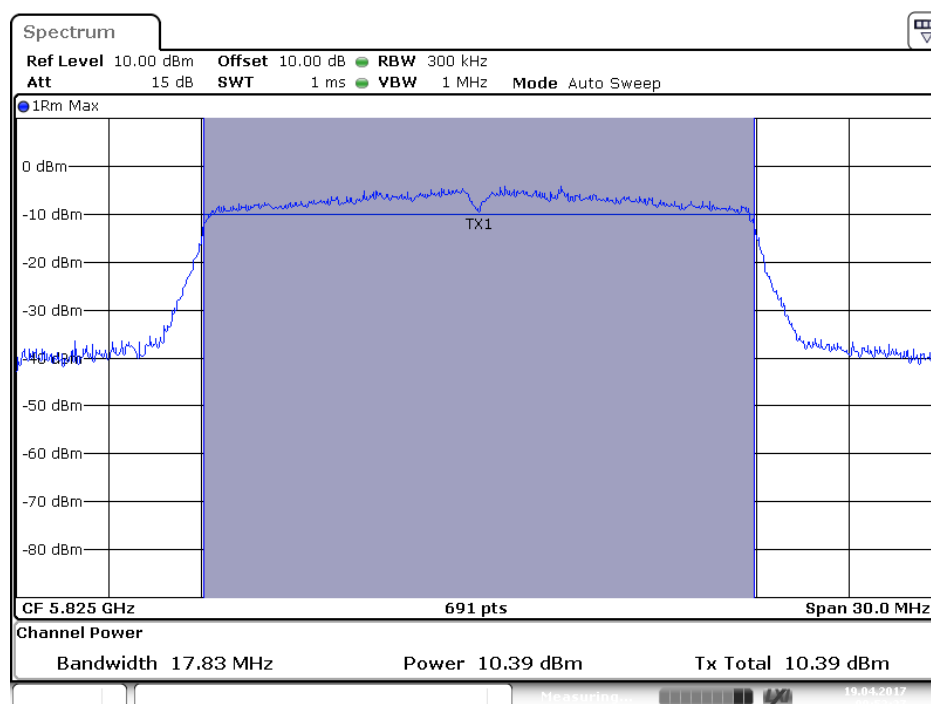
Date: 19.APR.2017 09:50:39



Date: 19.APR.2017 15:29:55

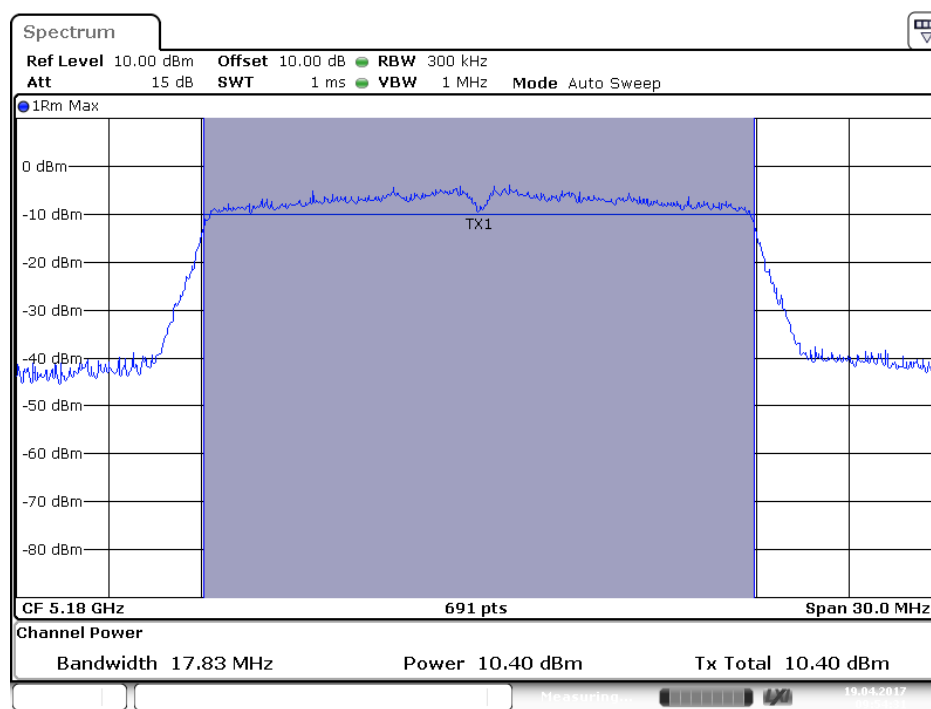


Date: 19.APR.2017 09:52:34

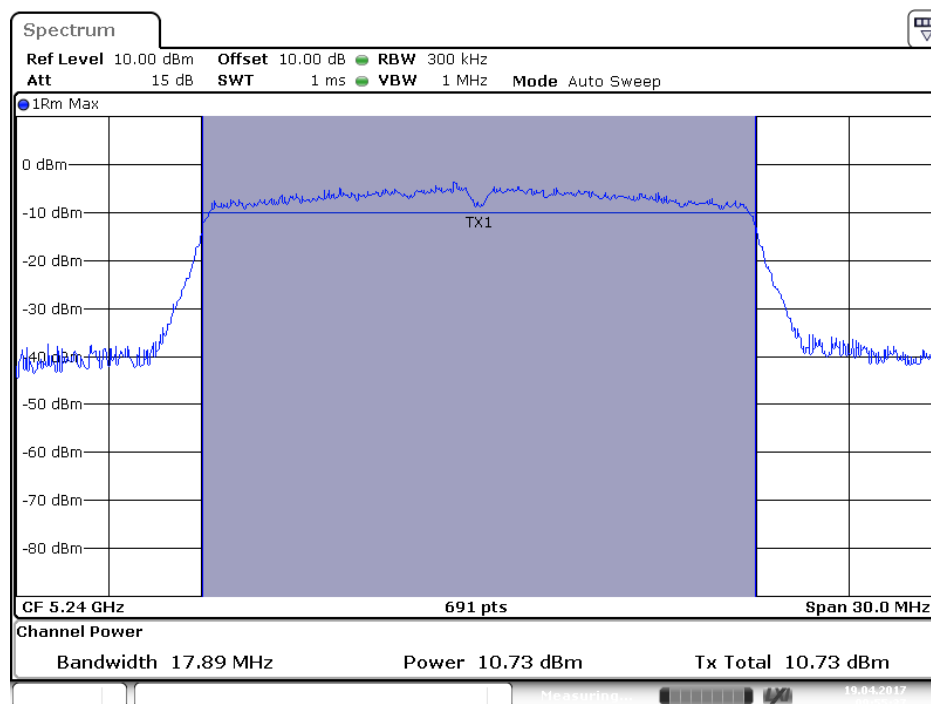


Date: 19.APR.2017 09:53:27

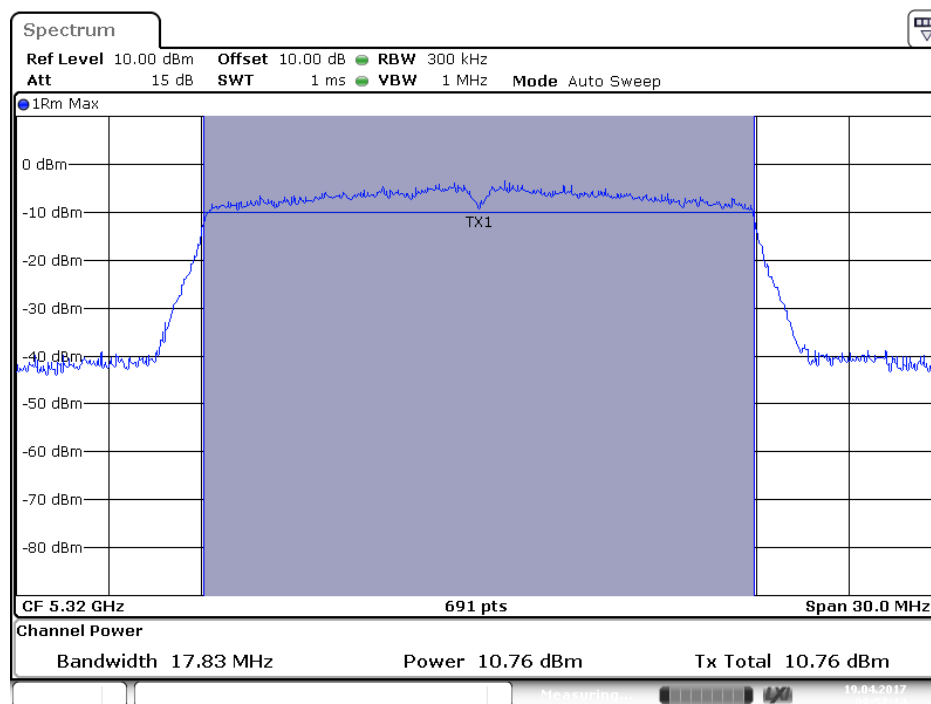
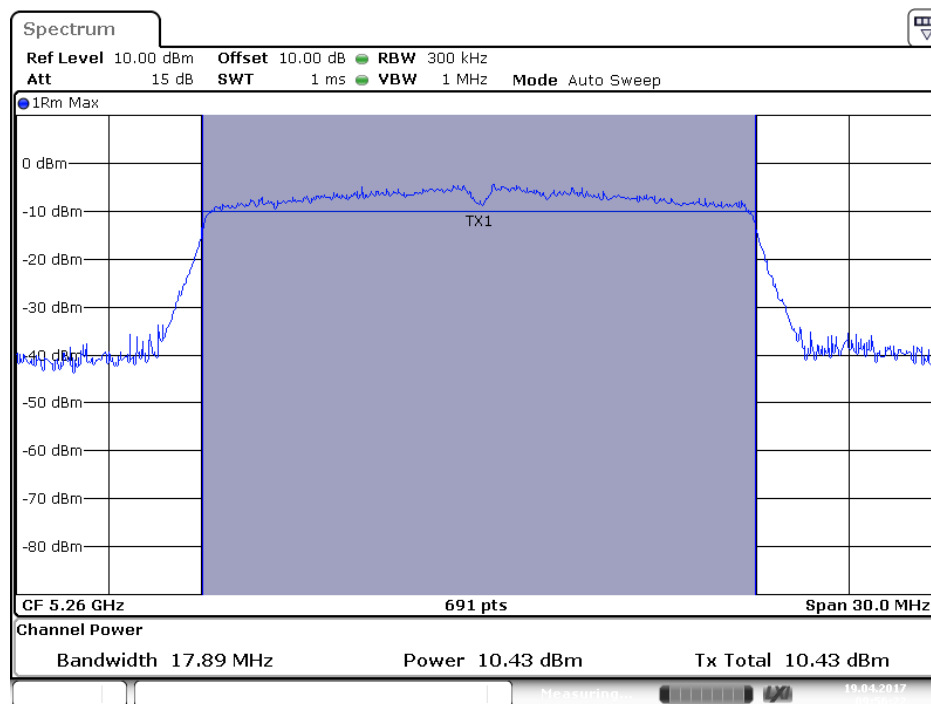
## 802.11ac20



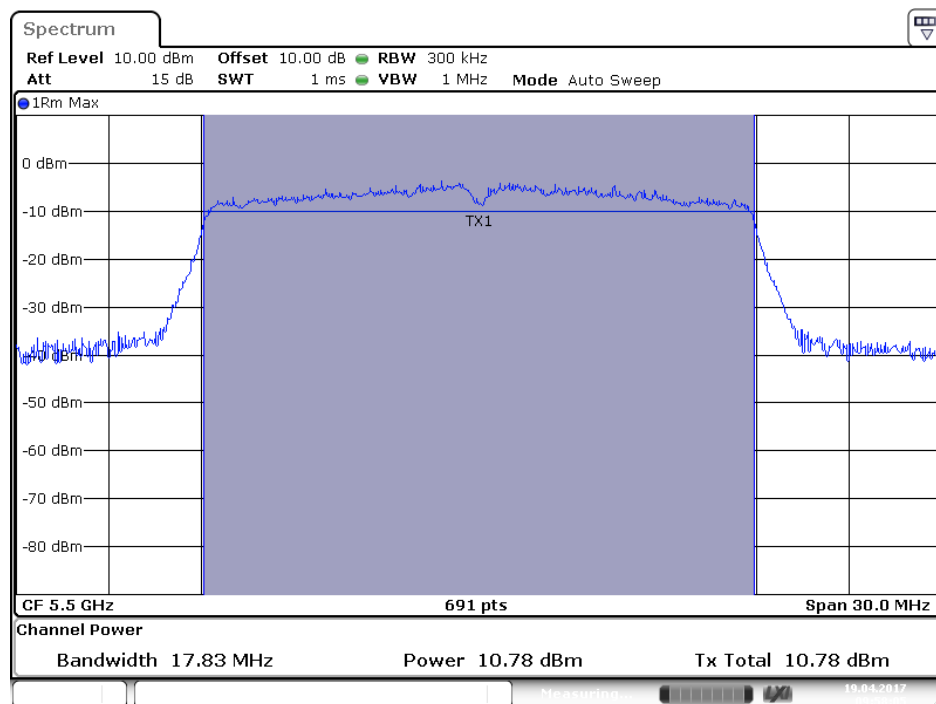
Date: 19.APR.2017 09:54:31



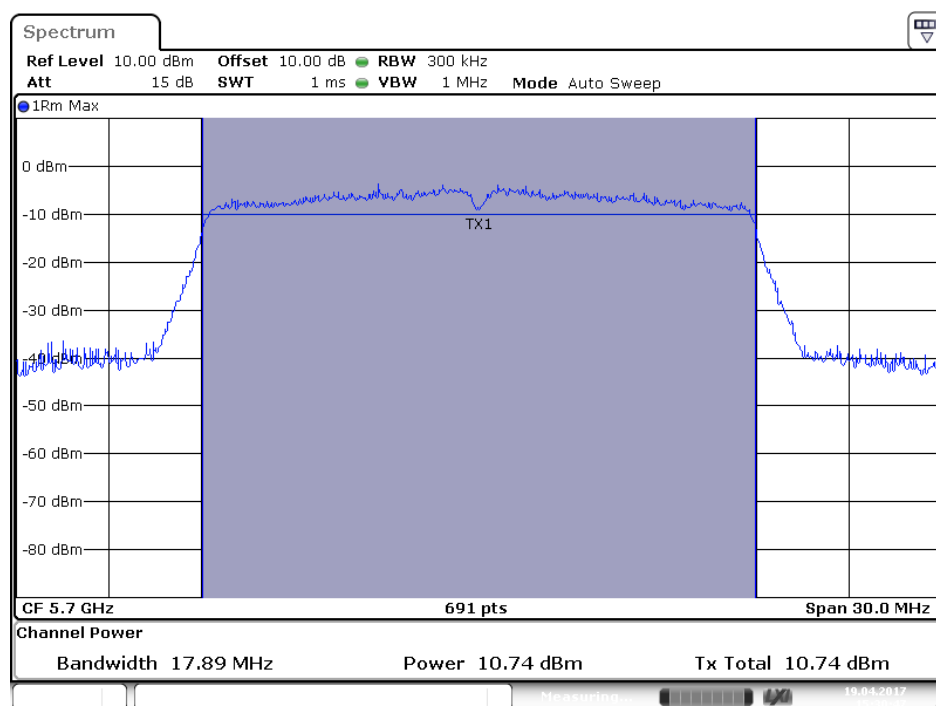
Date: 19.APR.2017 09:55:38



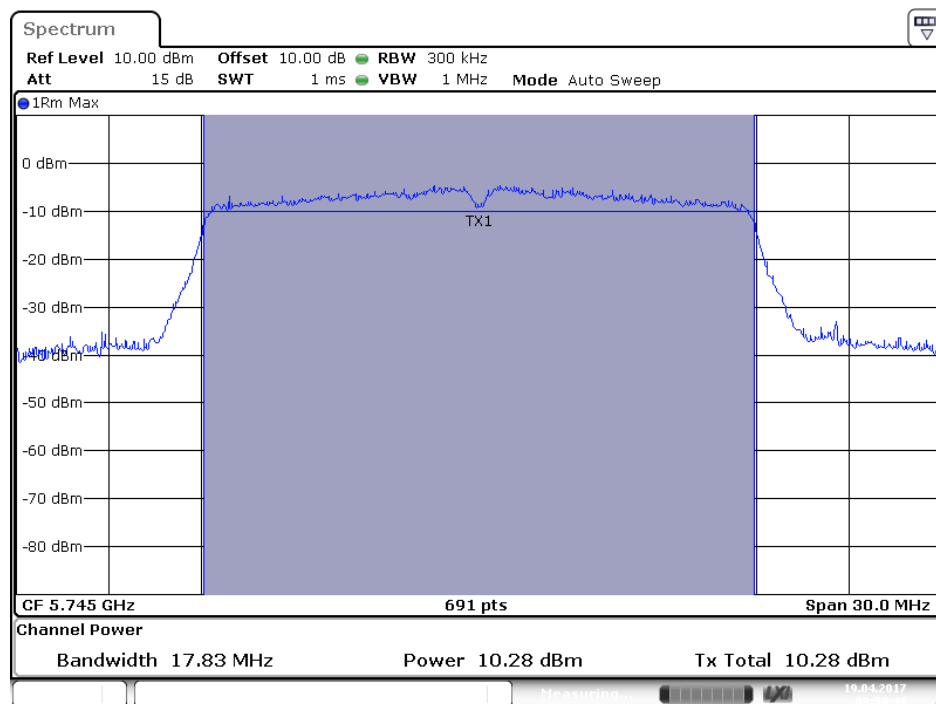
Date: 19.APR.2017 09:57:14



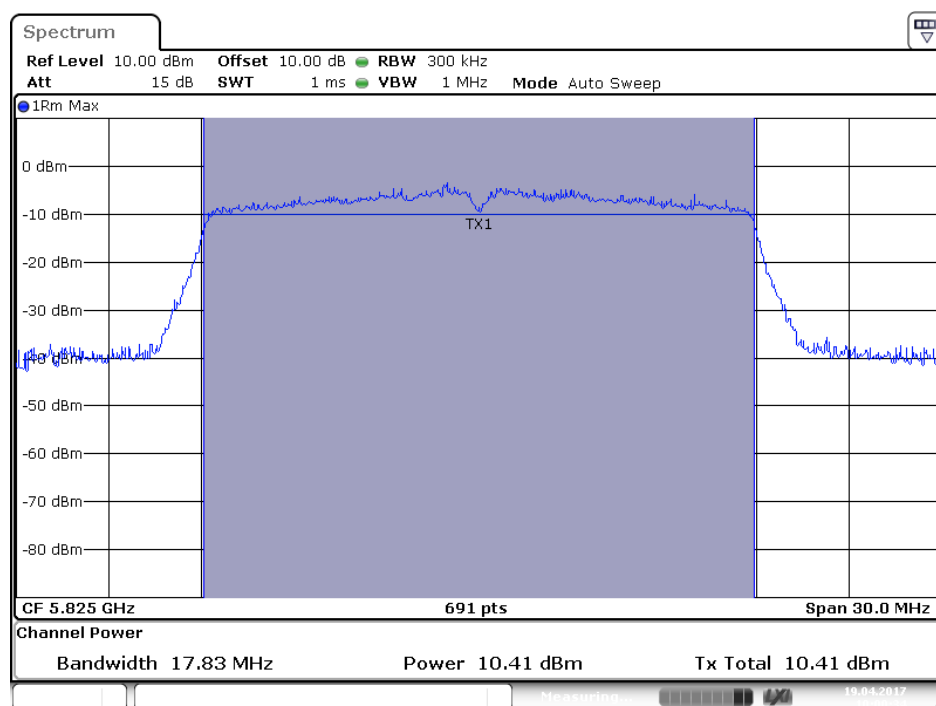
Date: 19.APR.2017 09:58:05



Date: 19.APR.2017 15:30:47

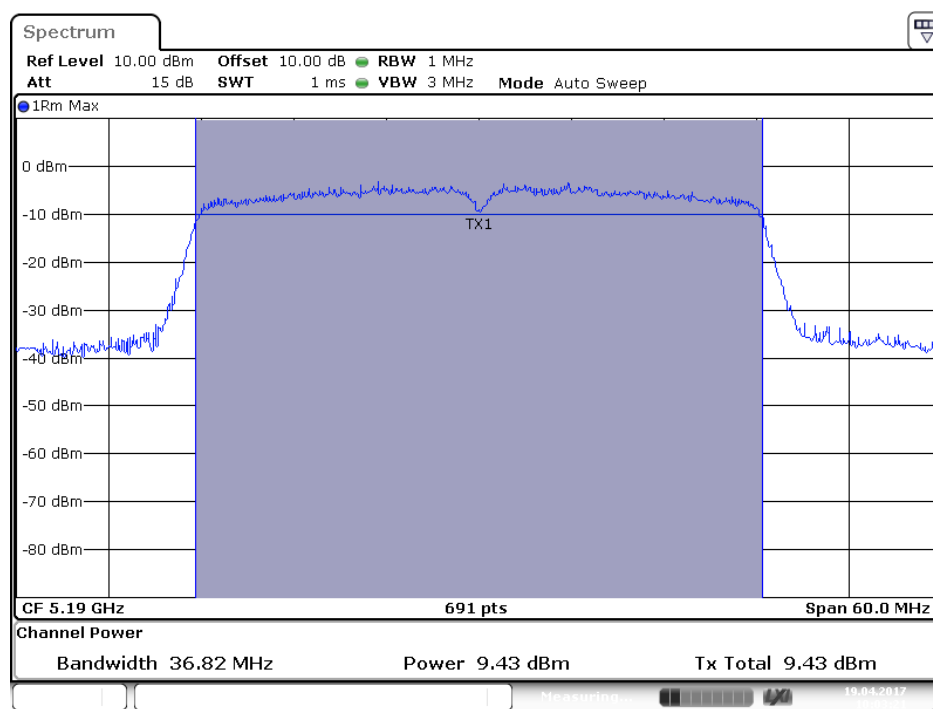


Date: 19.APR.2017 09:59:41

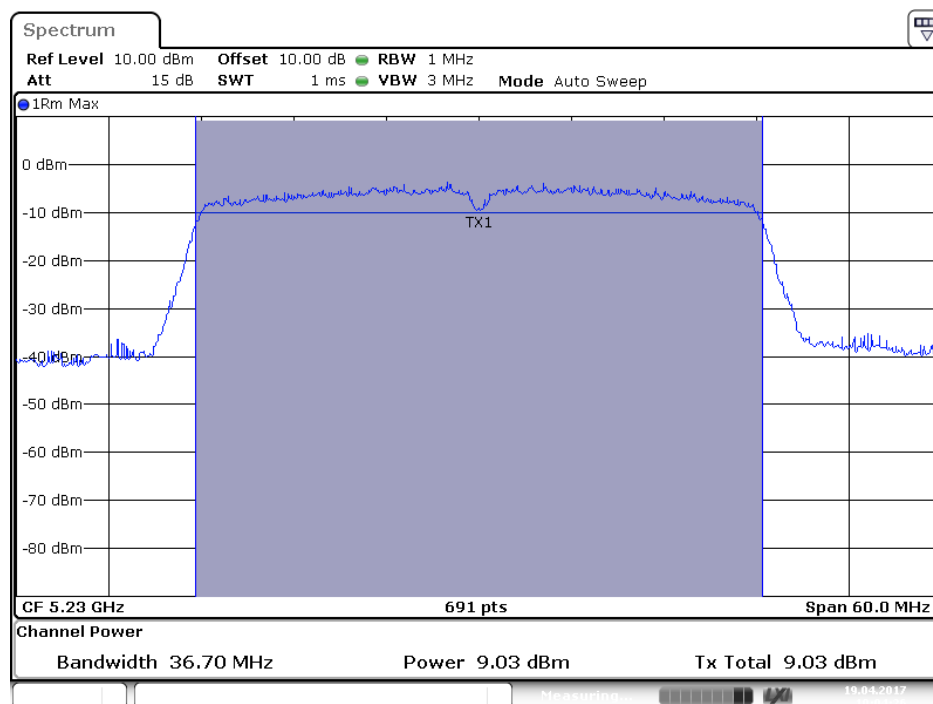


Date: 19.APR.2017 10:00:34

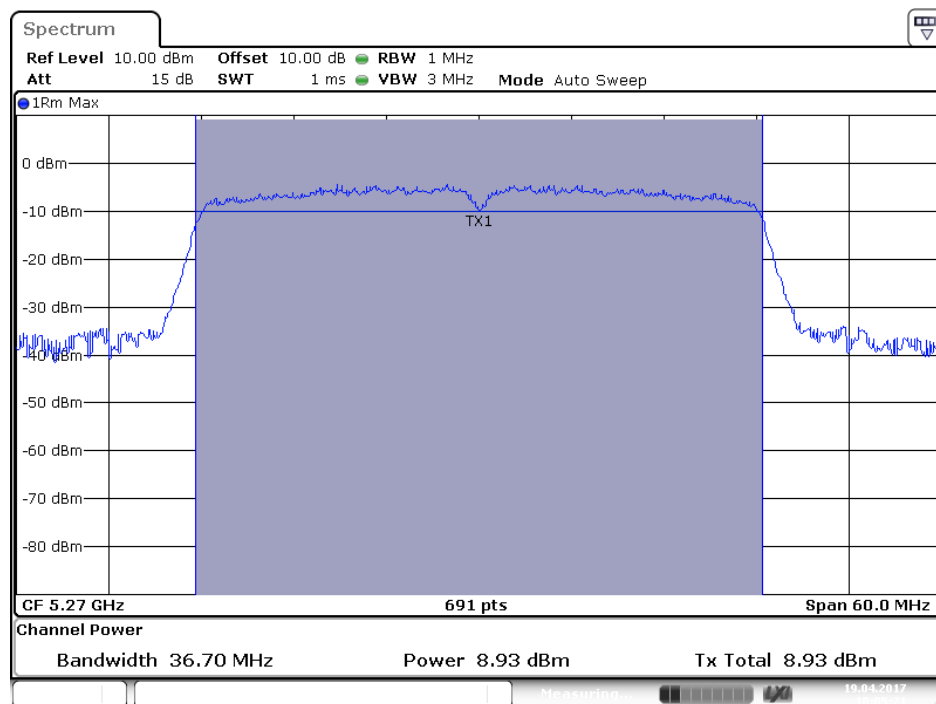
802.11N40



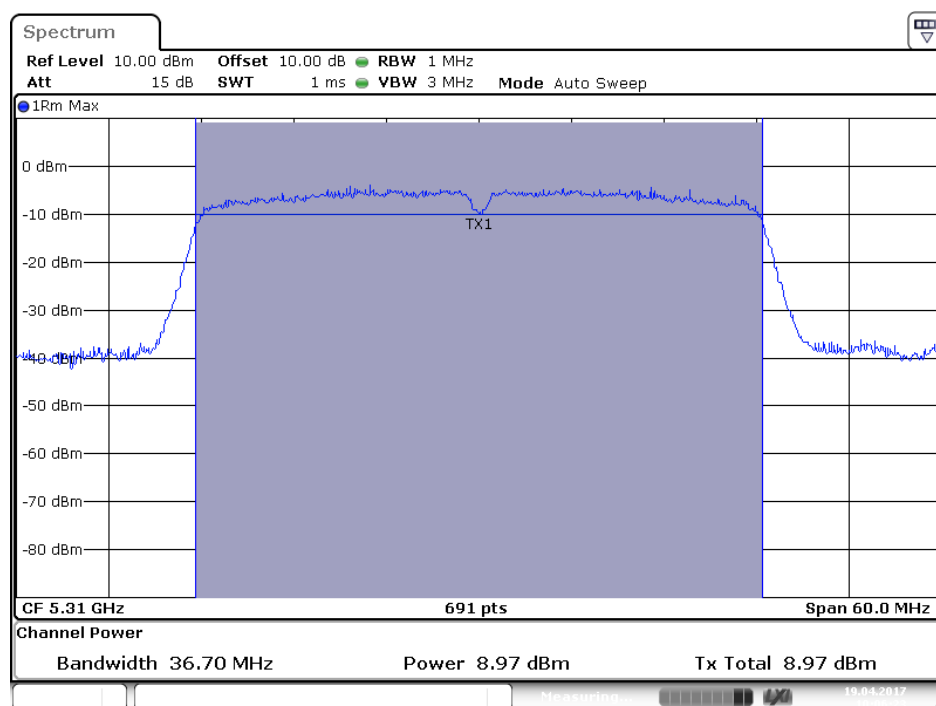
Date: 19.APR.2017 10:03:21



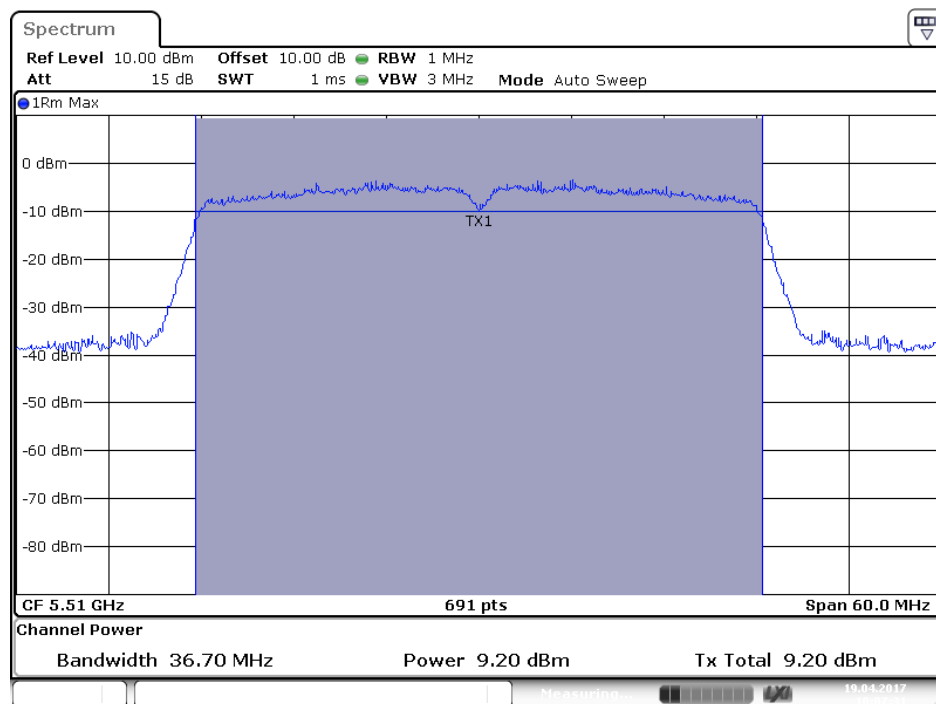
Date: 19.APR.2017 10:04:26



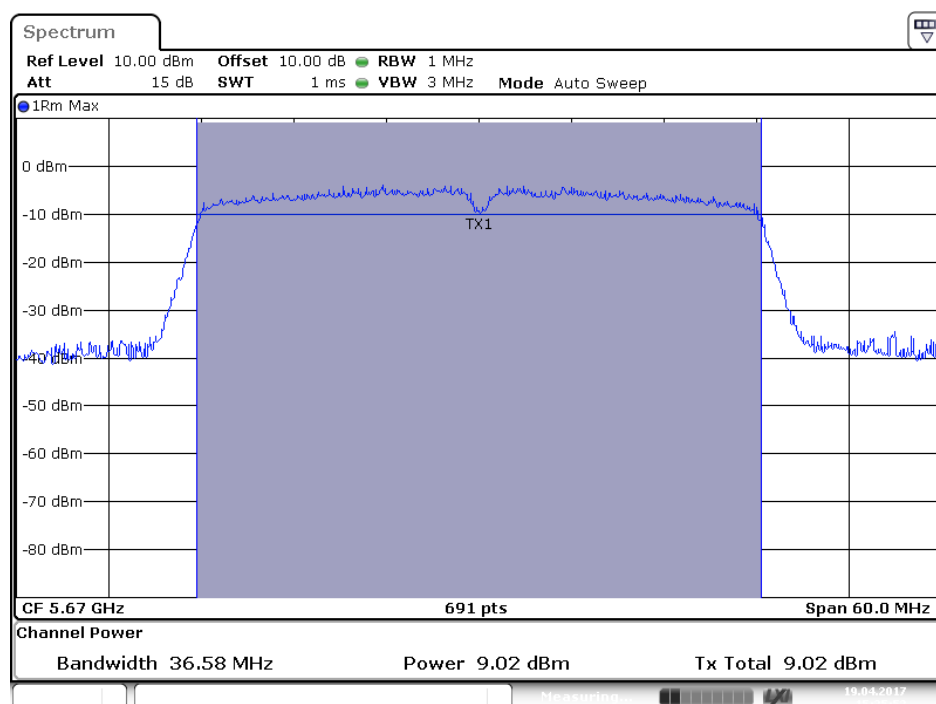
Date: 19.APR.2017 10:05:21



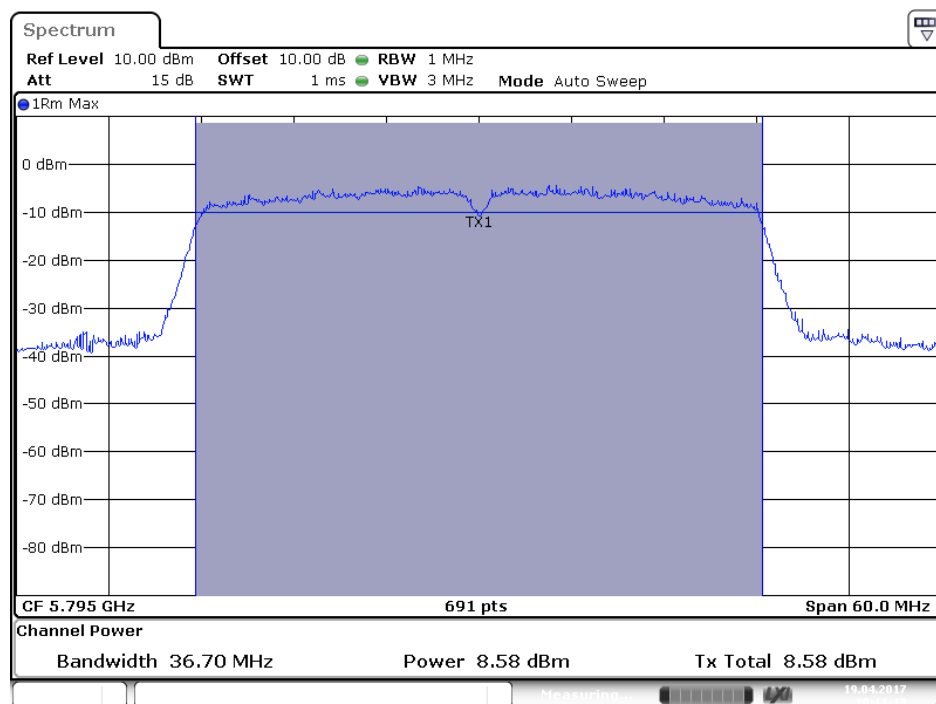
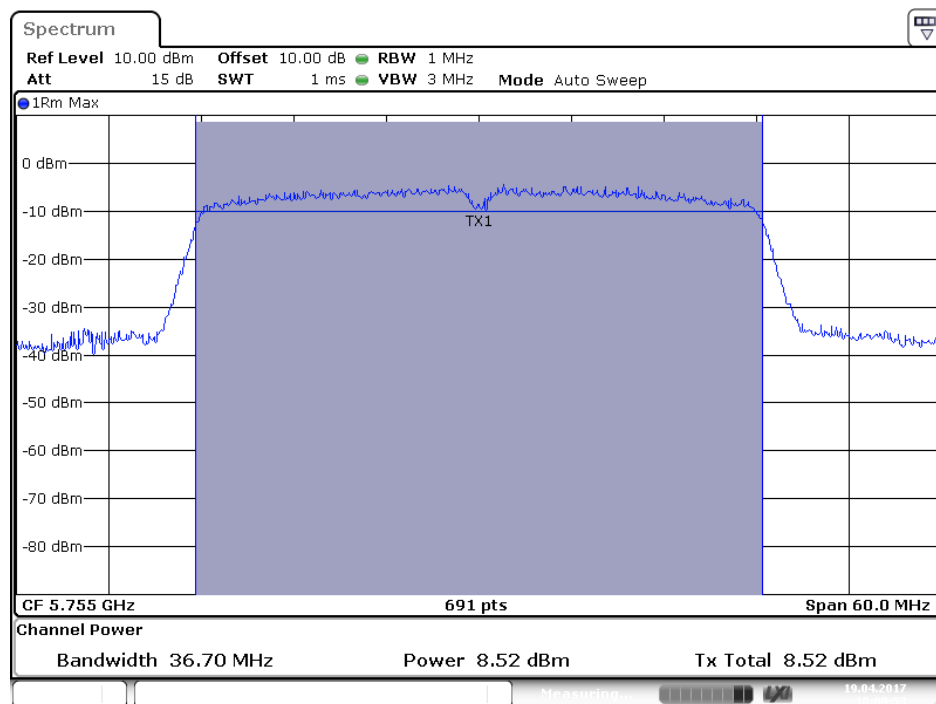
Date: 19.APR.2017 10:06:23



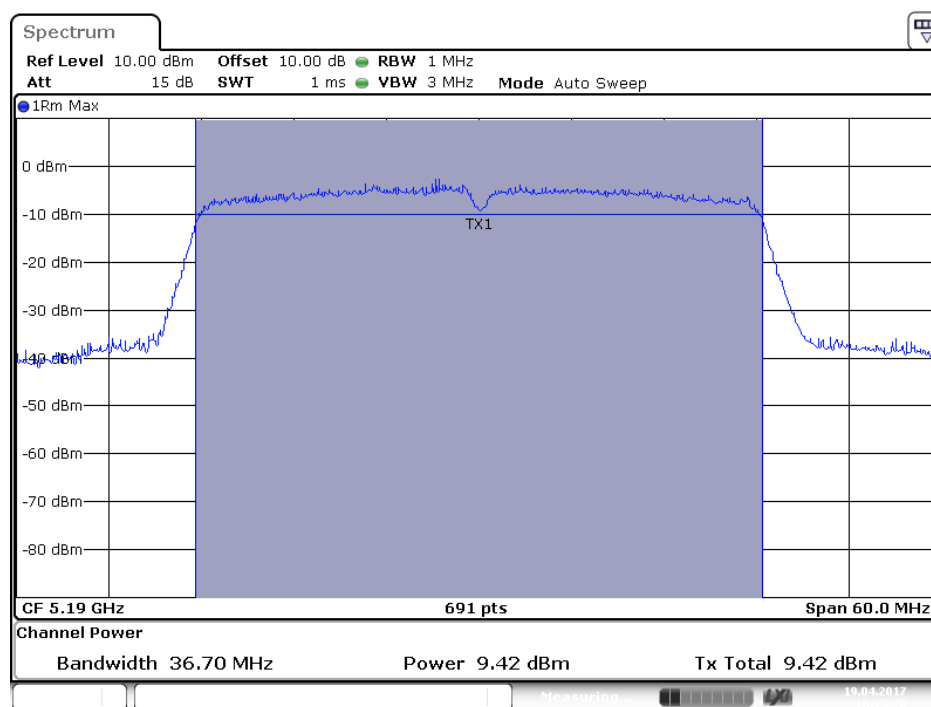
Date: 19.APR.2017 10:07:31



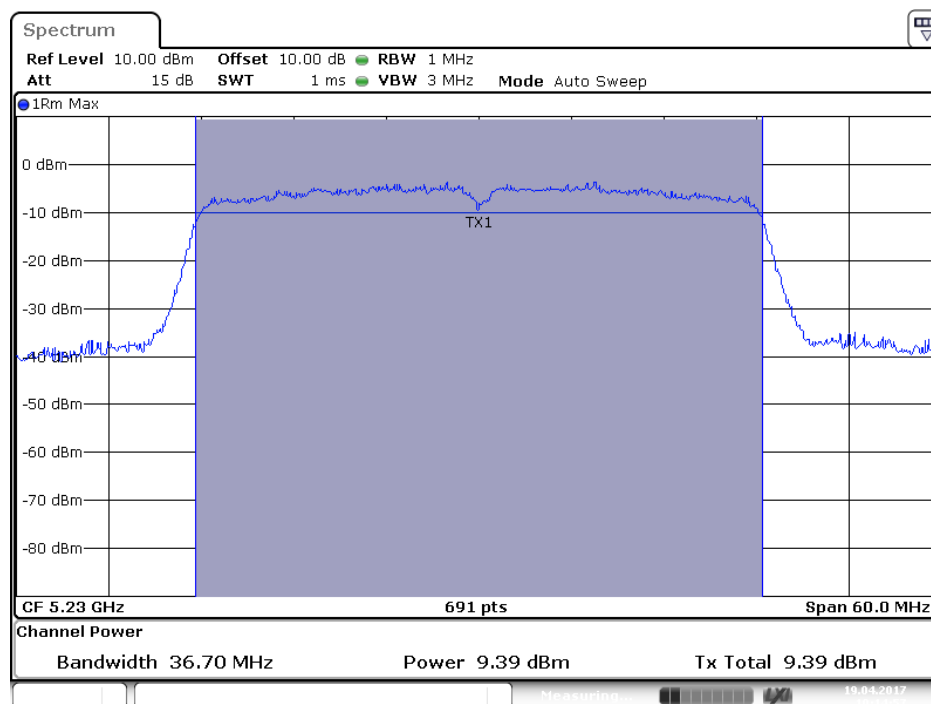
Date: 19.APR.2017 15:35:52



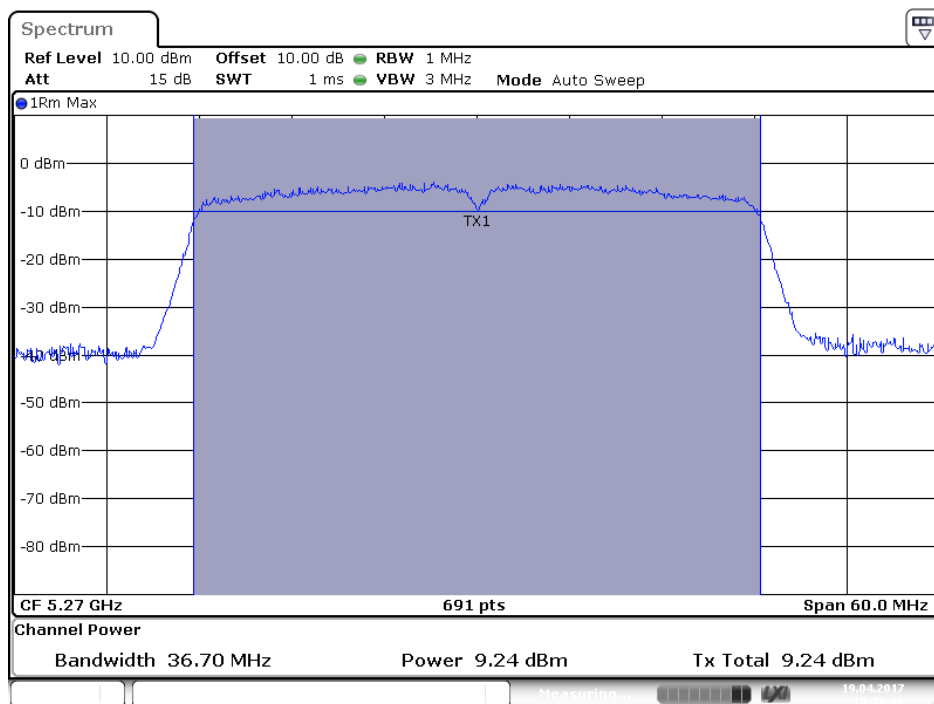
## 802.11ac40



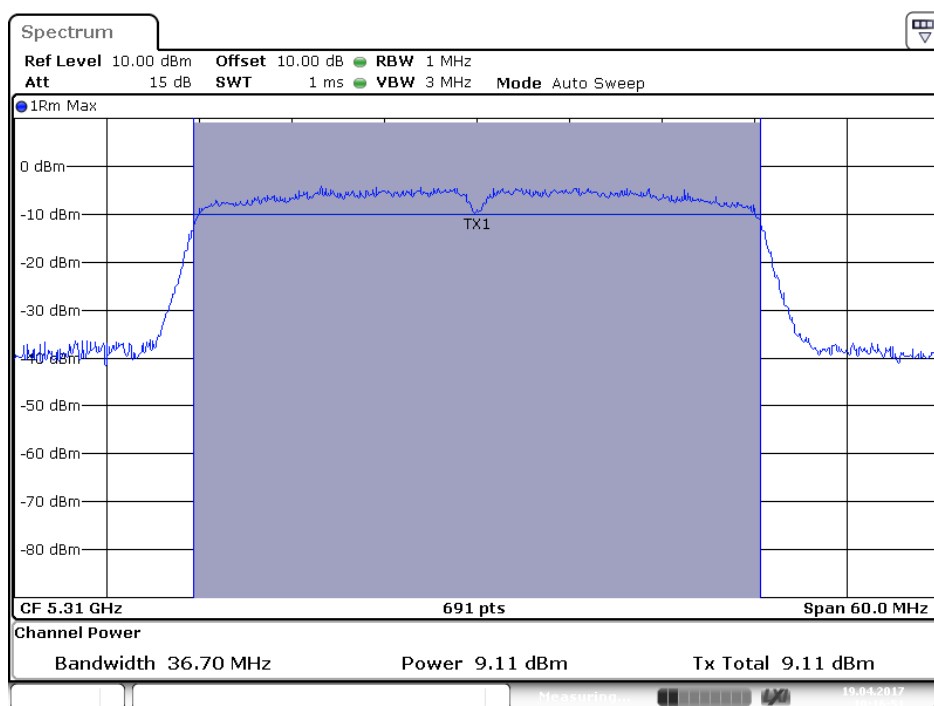
Date: 19.APR.2017 10:13:28



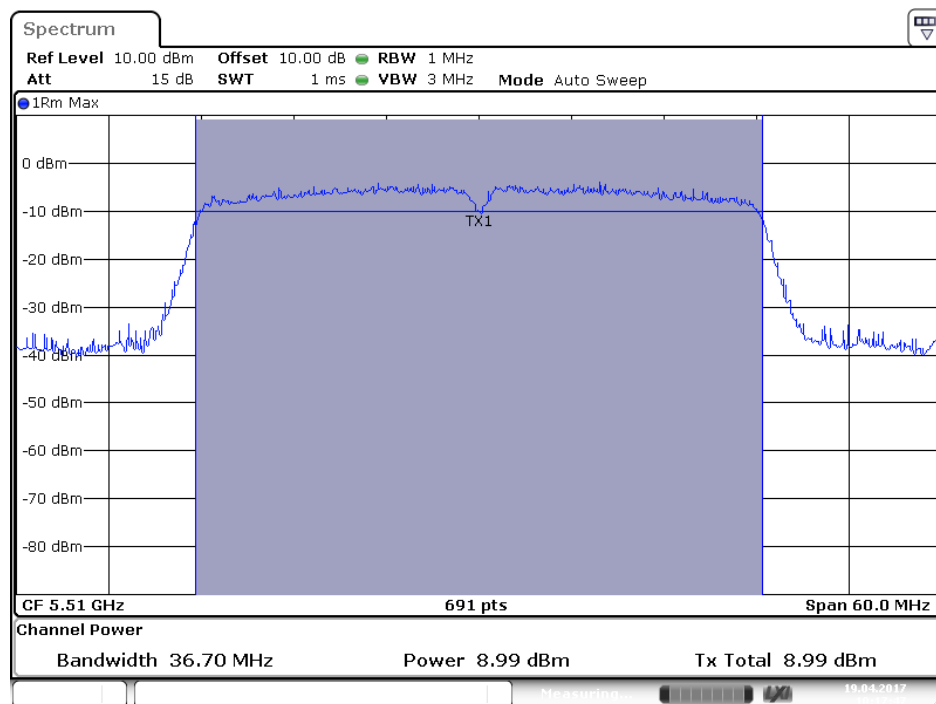
Date: 19.APR.2017 10:14:57



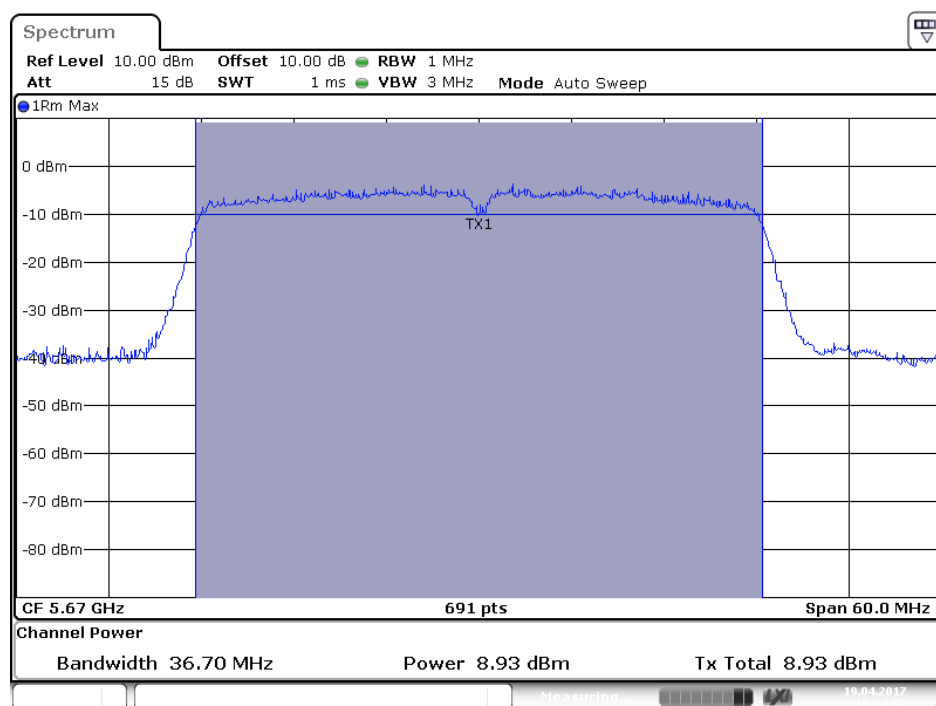
Date: 19.APR.2017 10:16:06



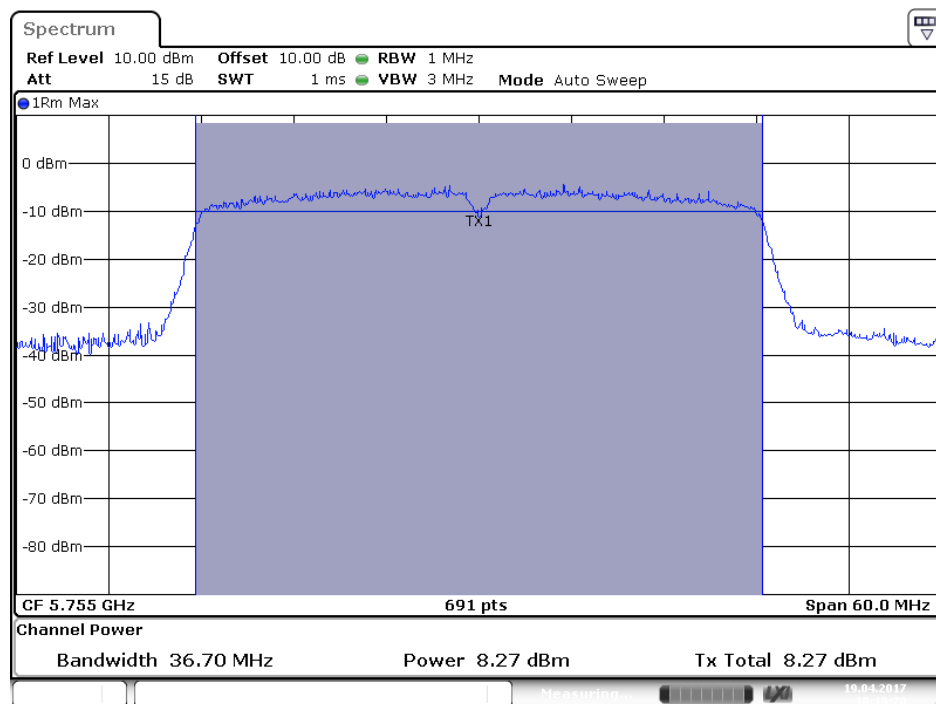
Date: 19.APR.2017 10:16:52



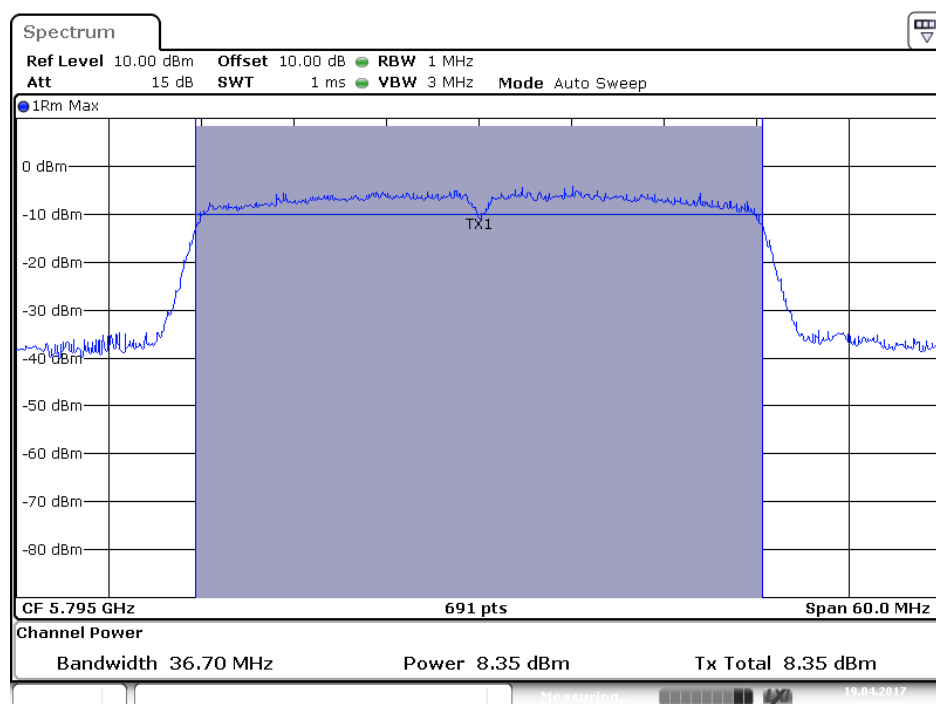
Date: 19.APR.2017 10:17:47



Date: 19.APR.2017 15:34:52

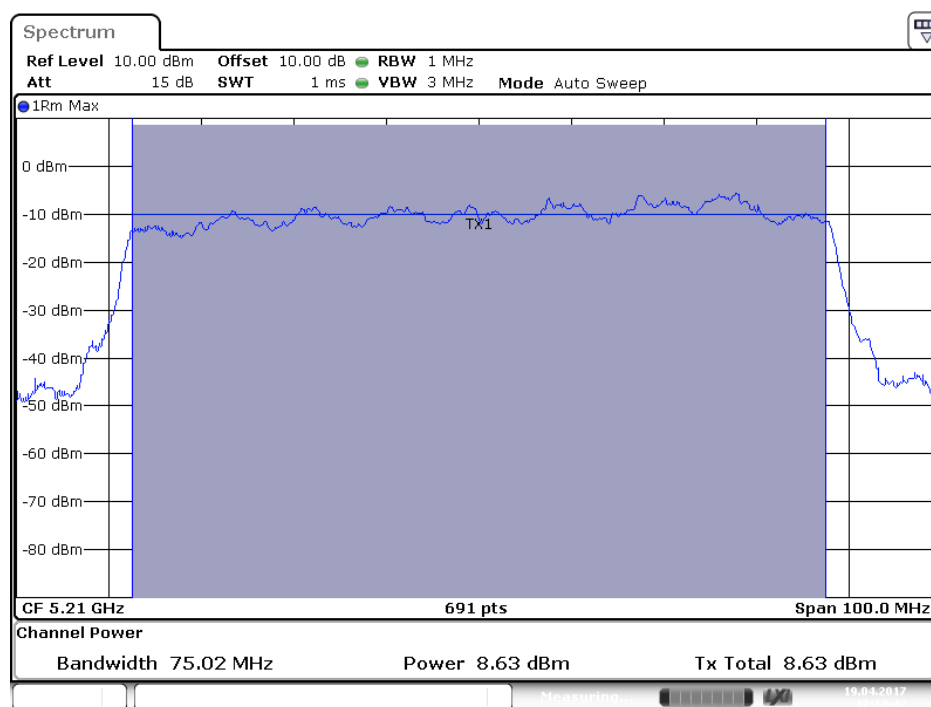


Date: 19.APR.2017 10:19:21

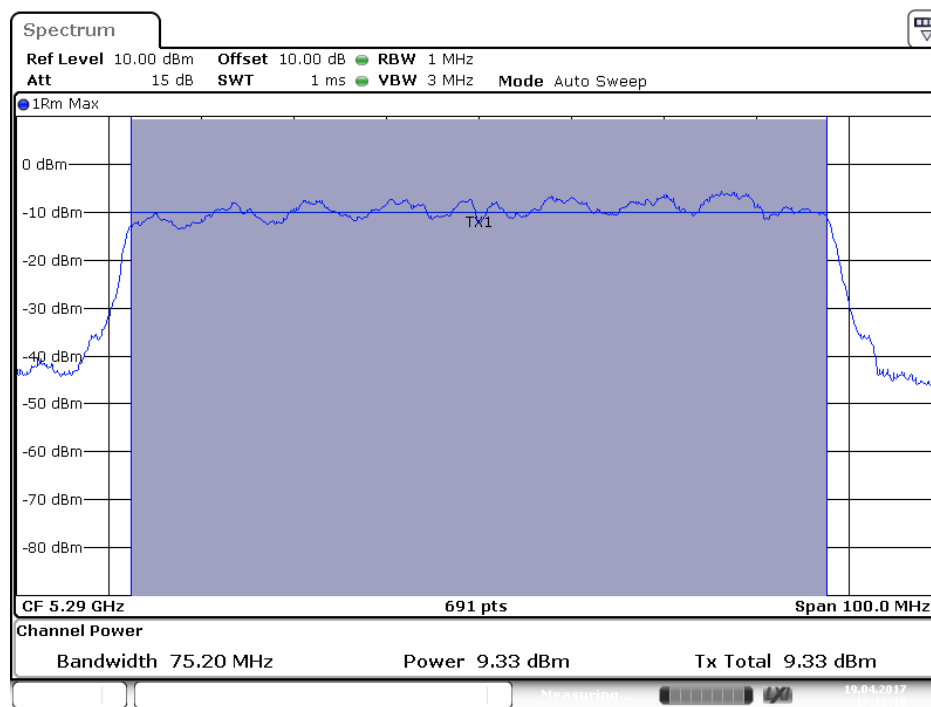


Date: 19.APR.2017 10:20:07

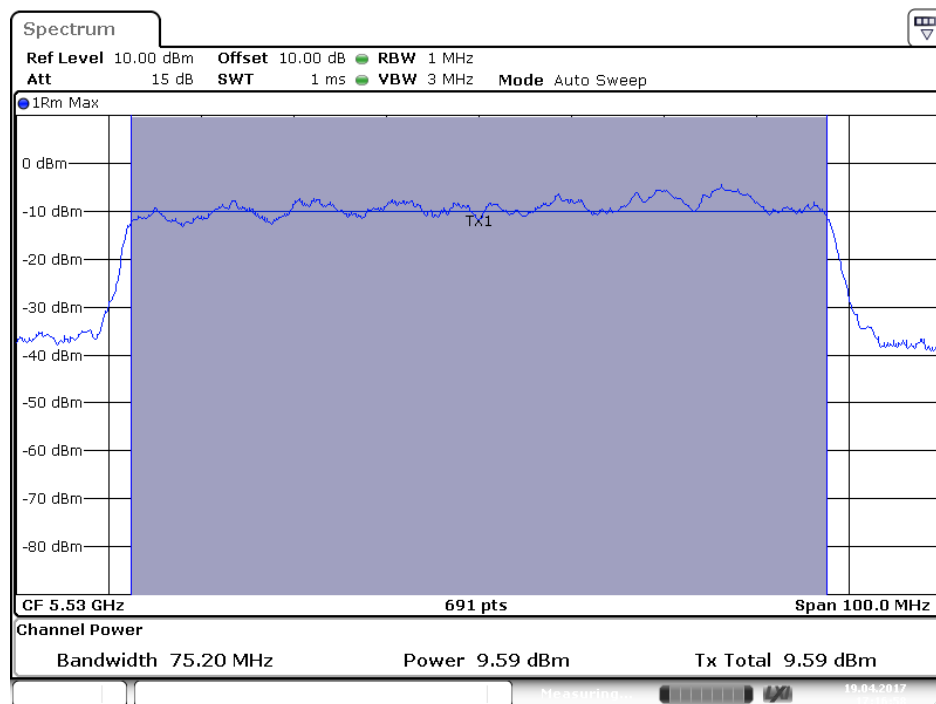
## 802.11ac80



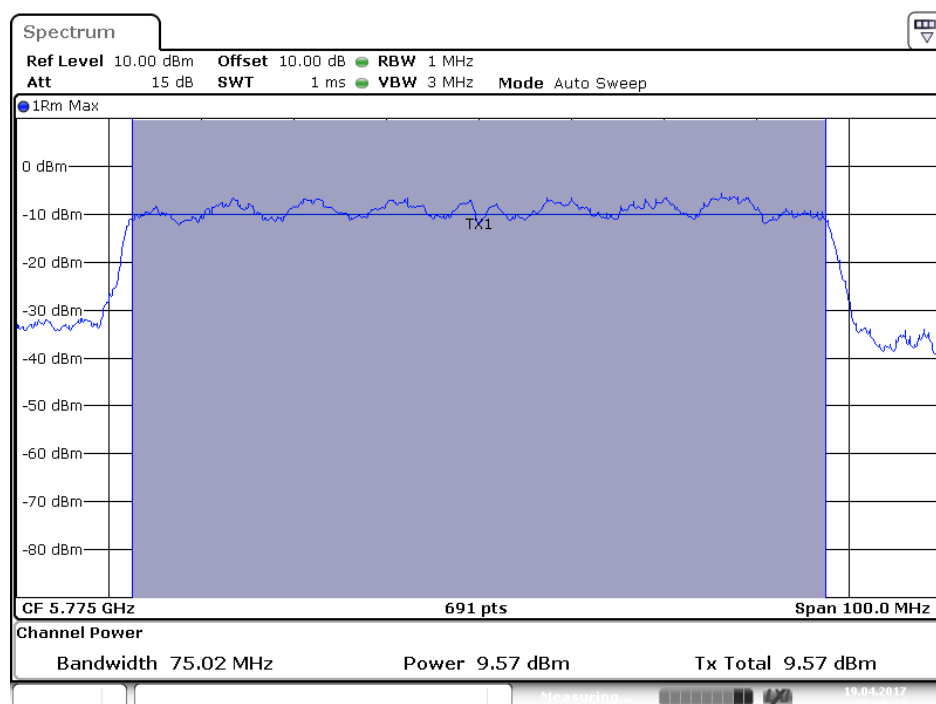
Date: 19.APR.2017 17:13:42



Date: 19.APR.2017 17:18:19



Date: 19.APR.2017 17:16:59



Date: 19.APR.2017 17:19:22

### Frequencies Stability test result

| Test Conditions            | Measured Frequency(MHz) 5180 |
|----------------------------|------------------------------|
| V nor(V)                   | 5180.0077                    |
| V max(V)                   | 5180.0081                    |
| V min(V)                   | 5180.0092                    |
| Max. Deviation Frequency   | 0.0092                       |
| Max. Frequency Error (ppm) | 1.78                         |

### Frequency Error vs. Temperature:

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

| Test Conditions            | Measured Frequency(MHz) 5260 |
|----------------------------|------------------------------|
| V nor(V)                   | 5260.0065                    |
| V max(V)                   | 5260.0093                    |
| V min(V)                   | 5260.0056                    |
| Max. Deviation Frequency   | 0.0093                       |
| Max. Frequency Error (ppm) | 1.77                         |

Frequency Error vs. Temperature:

| Test Conditions (°C)       | Measured Frequency(MHz) 5260 |
|----------------------------|------------------------------|
| -5                         | 5260.0045                    |
| 5                          | 5260.0068                    |
| 15                         | 5260.0051                    |
| 25                         | 5260.0090                    |
| 35                         | 5260.0076                    |
| 45                         | 5260.0063                    |
| 50                         | 5260.0038                    |
| Max. Deviation Frequency   | 0.0090                       |
| Max. Frequency Error (ppm) | 1.71                         |

| Test Conditions            | Measured Frequency(MHz) 5500 |
|----------------------------|------------------------------|
| V nor(V)                   | 5500.0056                    |
| V max(V)                   | 5500.0067                    |
| V min(V)                   | 5500.0075                    |
| Max. Deviation Frequency   | 0.0075                       |
| Max. Frequency Error (ppm) | 1.36                         |

Frequency Error vs. Temperature:

| Test Conditions (°C)       | Measured Frequency(MHz) 5500 |
|----------------------------|------------------------------|
| -5                         | 5500.0065                    |
| 5                          | 5500.0048                    |
| 15                         | 5500.0012                    |
| 25                         | 5500.0096                    |
| 35                         | 5500.0064                    |
| 45                         | 5500.0070                    |
| 50                         | 5500.0032                    |
| Max. Deviation Frequency   | 0.0096                       |
| Max. Frequency Error (ppm) | 1.75                         |

| Test Conditions            | Measured Frequency(MHz) 5825 |
|----------------------------|------------------------------|
| V nor(V)                   | 5825.0055                    |
| V max(V)                   | 5825.0047                    |
| V min(V)                   | 5825.0059                    |
| Max. Deviation Frequency   | 0.0059                       |
| Max. Frequency Error (ppm) | 1.01                         |

Frequency Error vs. Temperature:

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