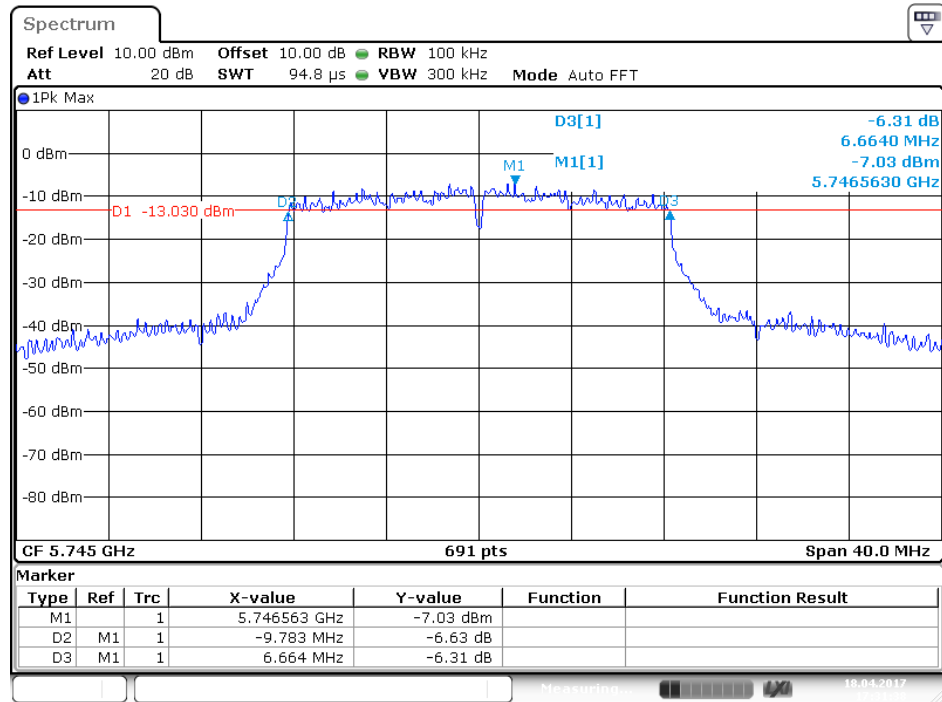
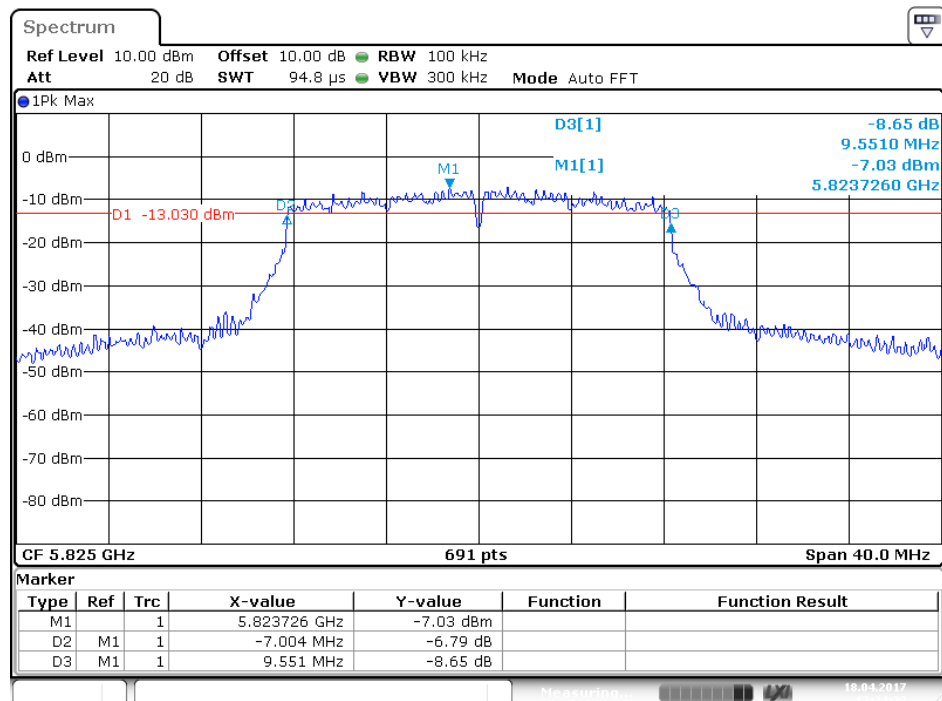


6dB Bandwidth Test Result

802.11A

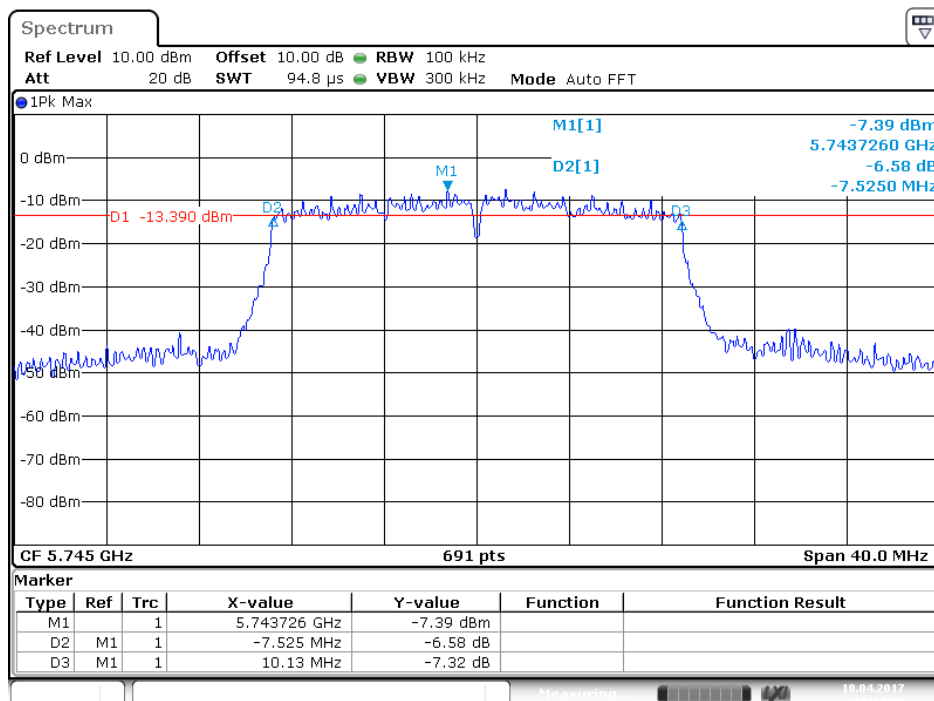


Date: 18.APR.2017 17:31:39

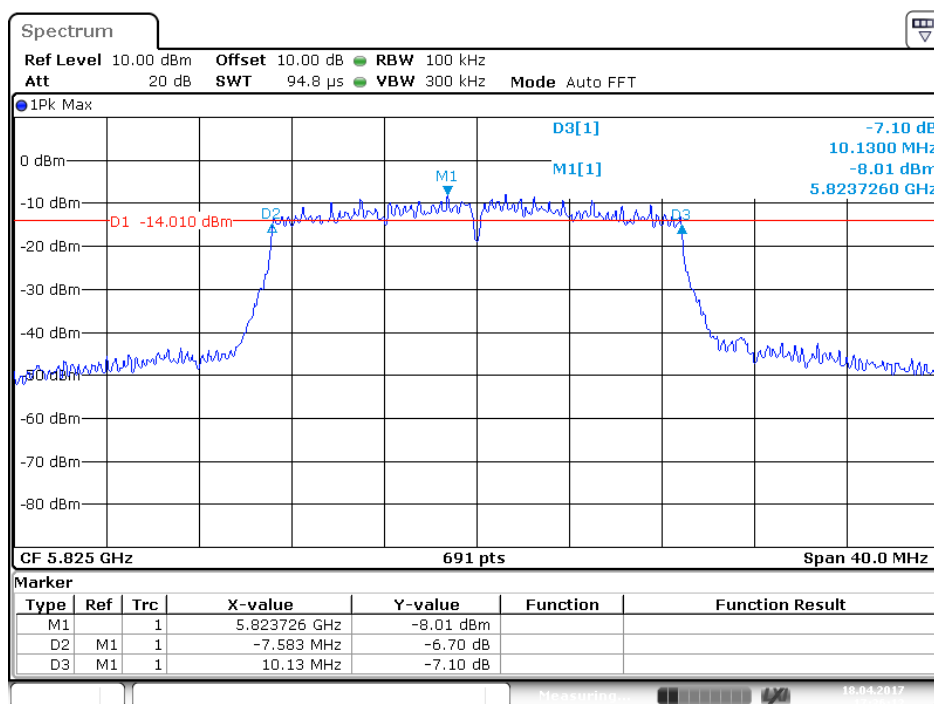


Date: 18.APR.2017 17:34:23

802.11N20

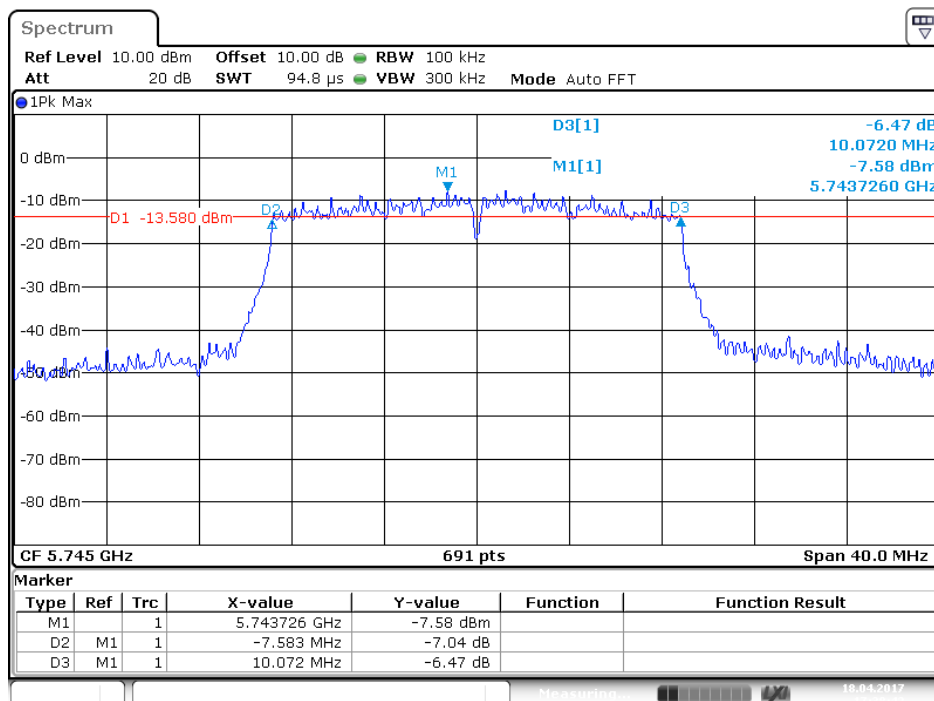


Date: 18.APR.2017 17:37:58

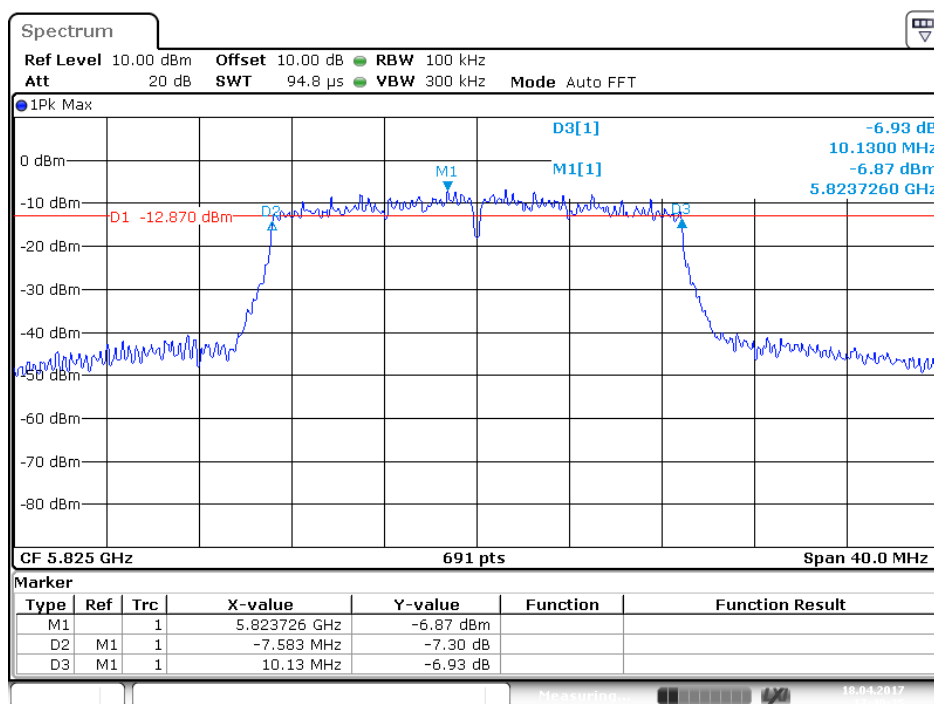


Date: 18.APR.2017 17:36:13

802.11ac20

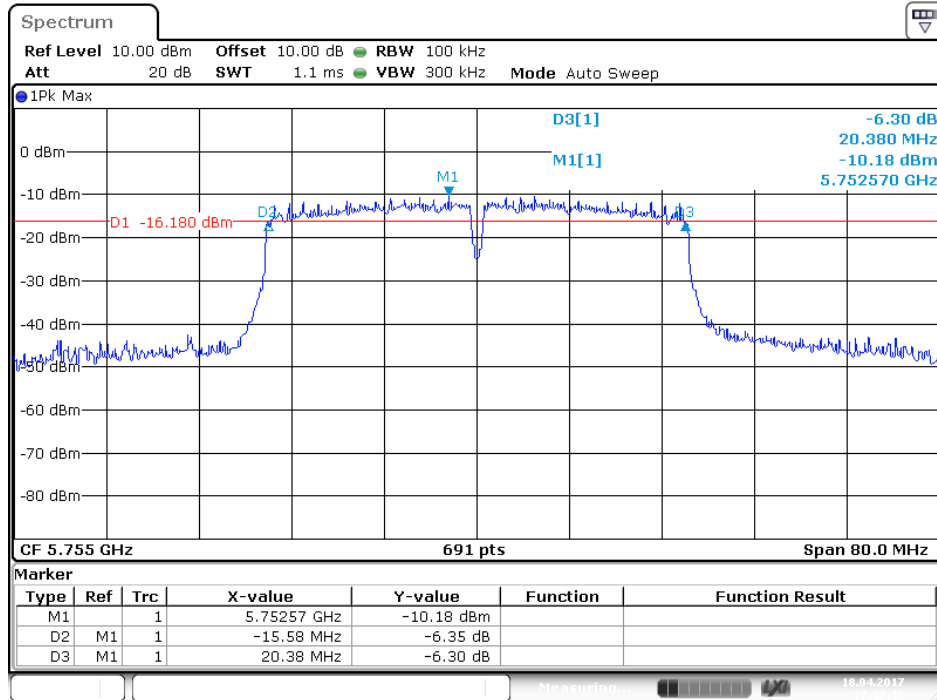


Date: 18.APR.2017 17:38:42

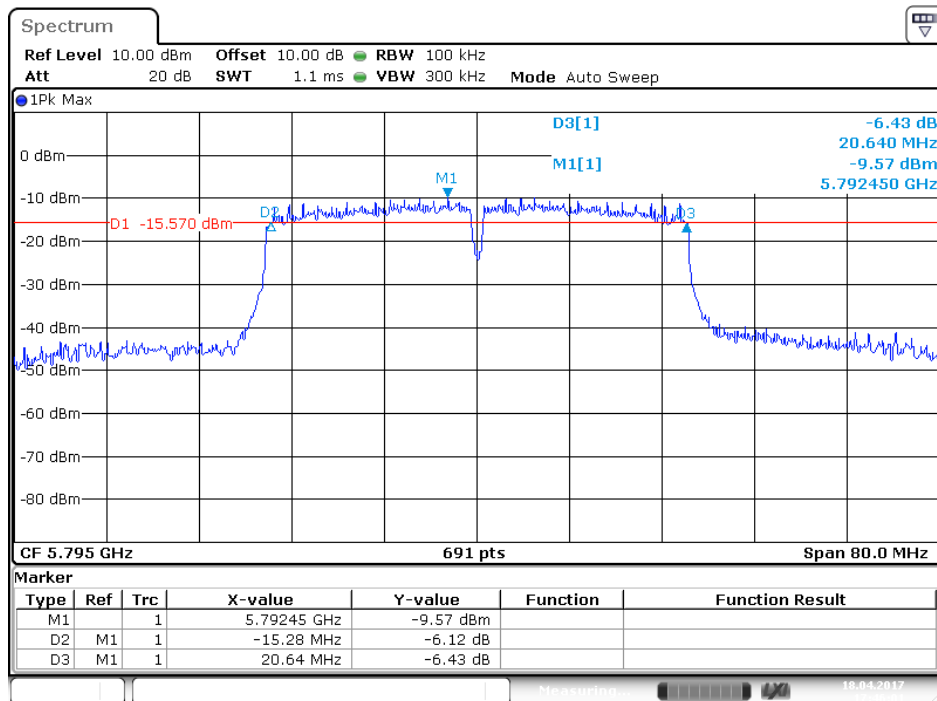


Date: 18.APR.2017 17:40:26

802.11N40

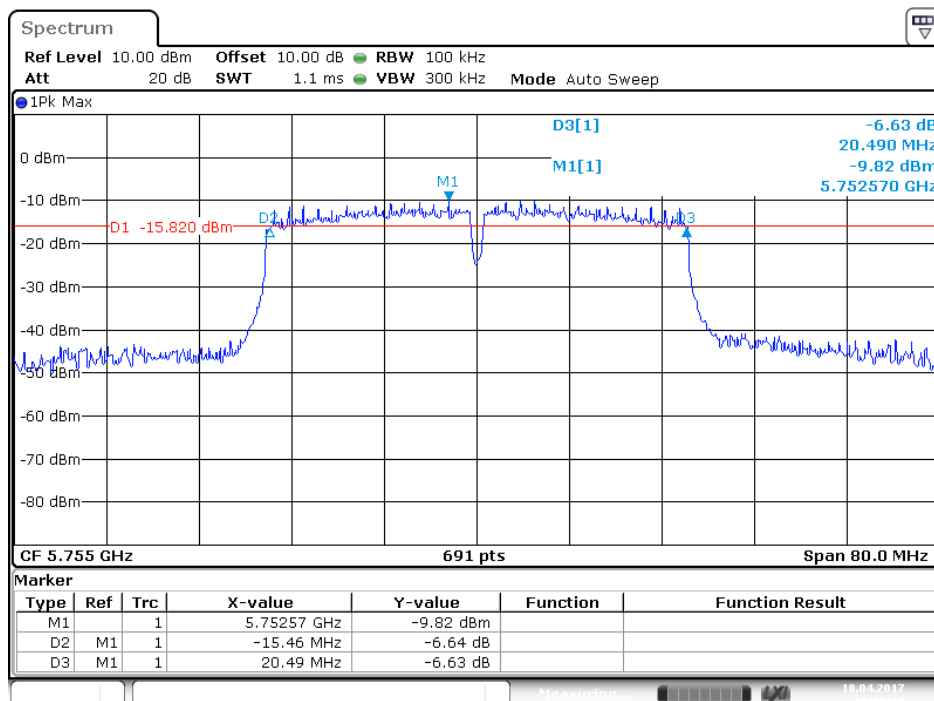


Date: 18.APR.2017 17:47:17

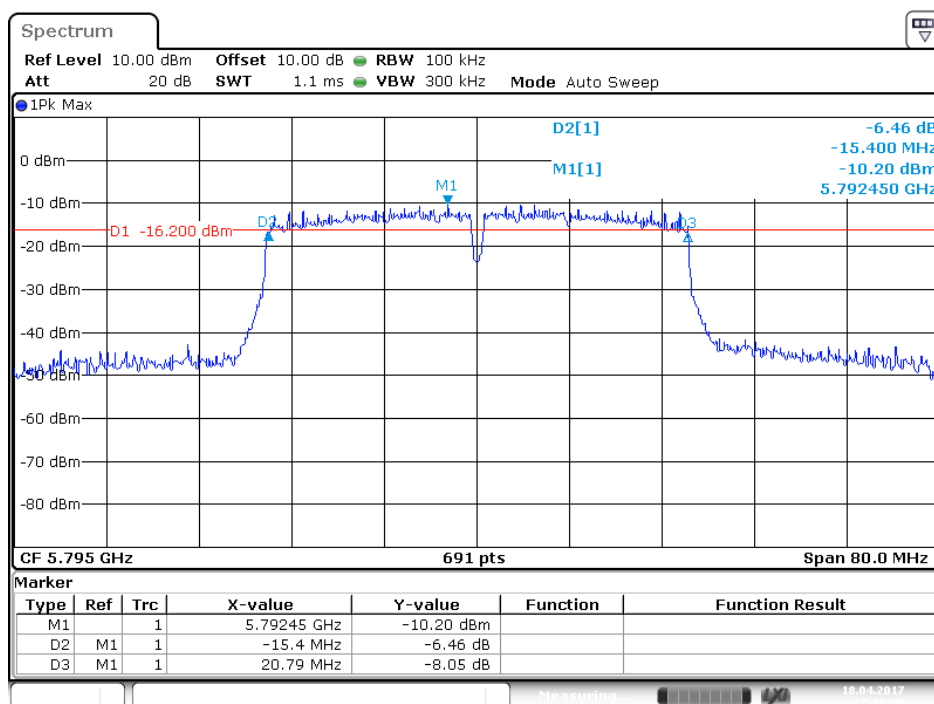


Date: 18.APR.2017 17:46:02

802.11ac40

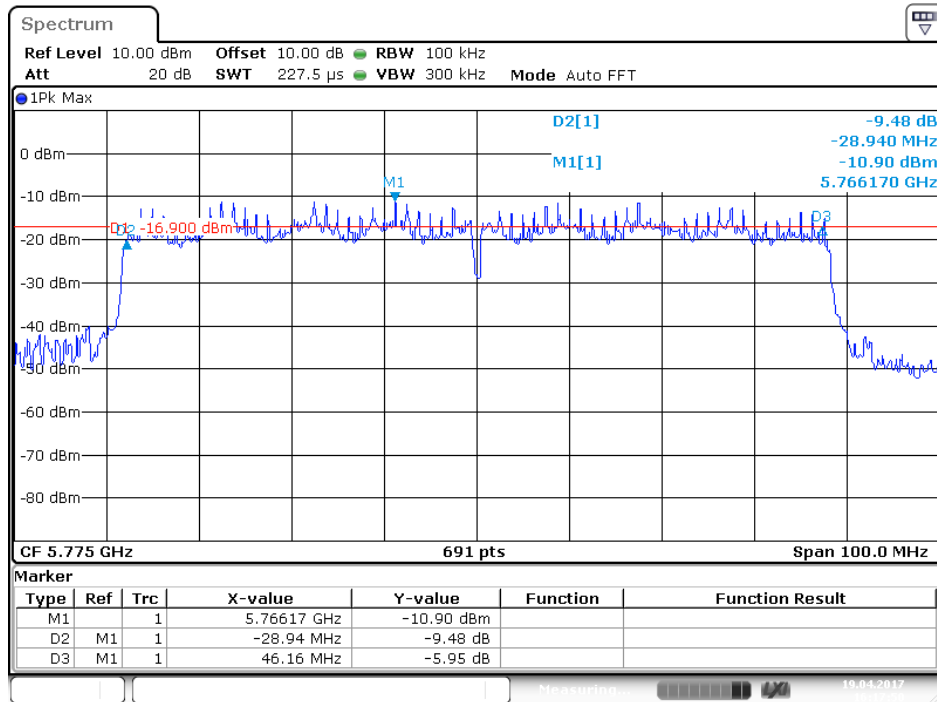


Date: 18.APR.2017 17:48:12



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

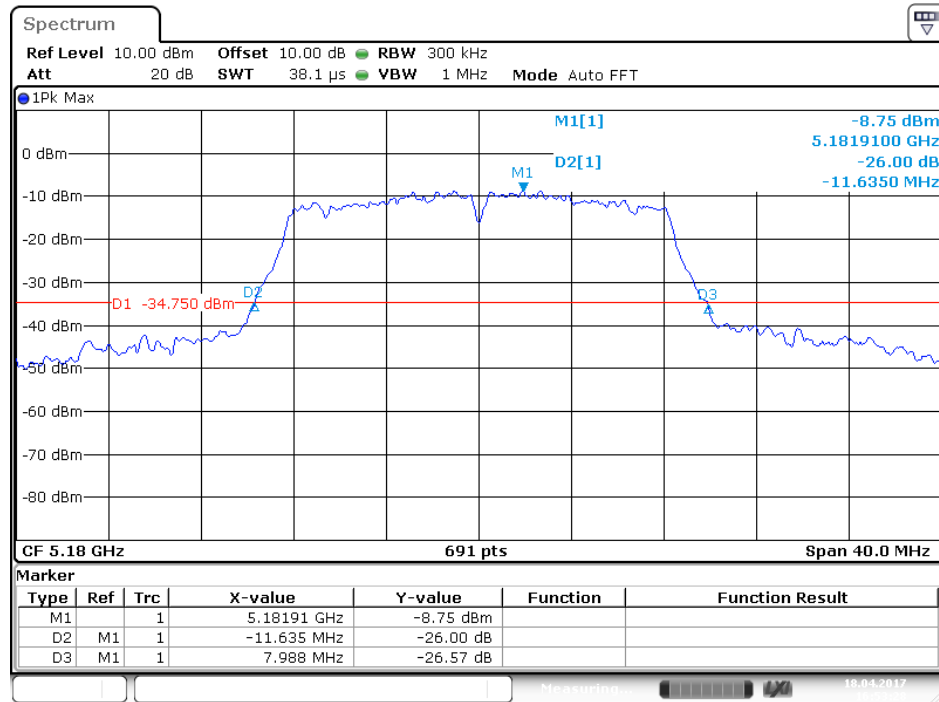
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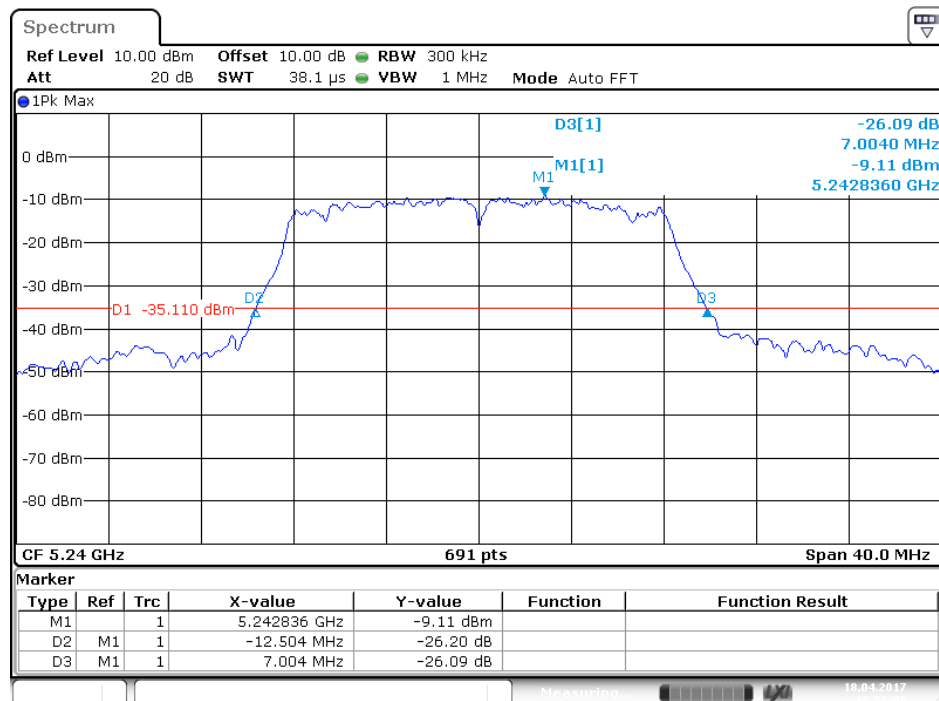
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26dB Bandwidth Test Result

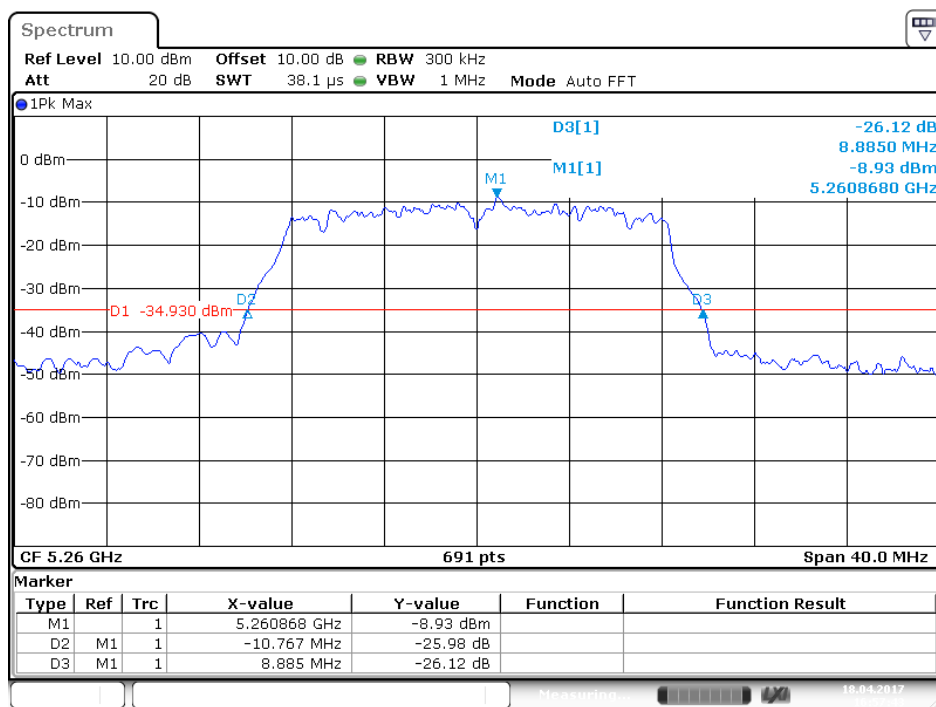
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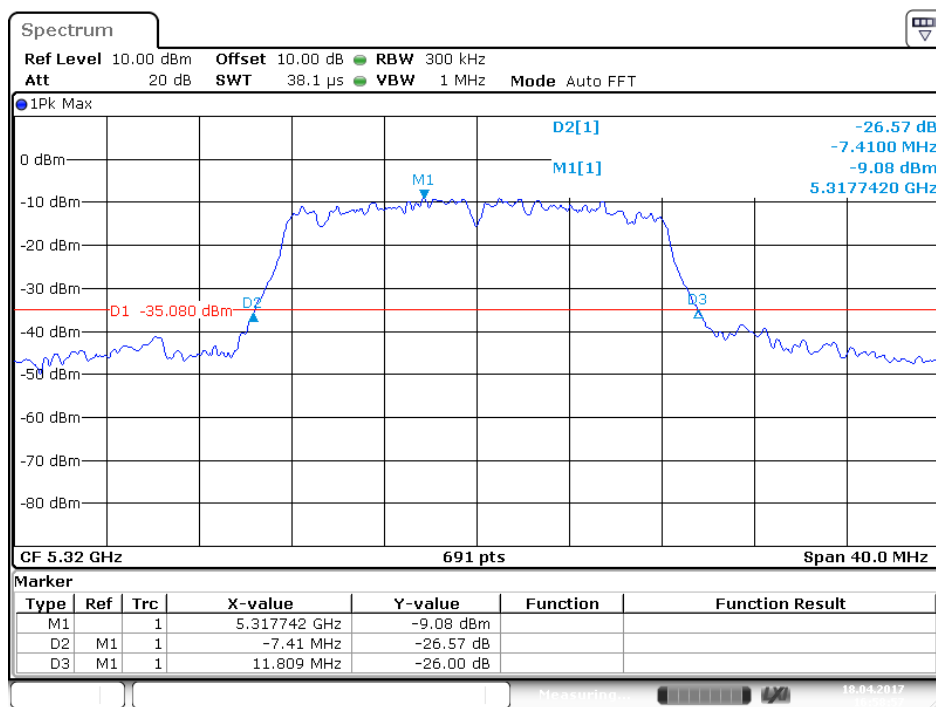
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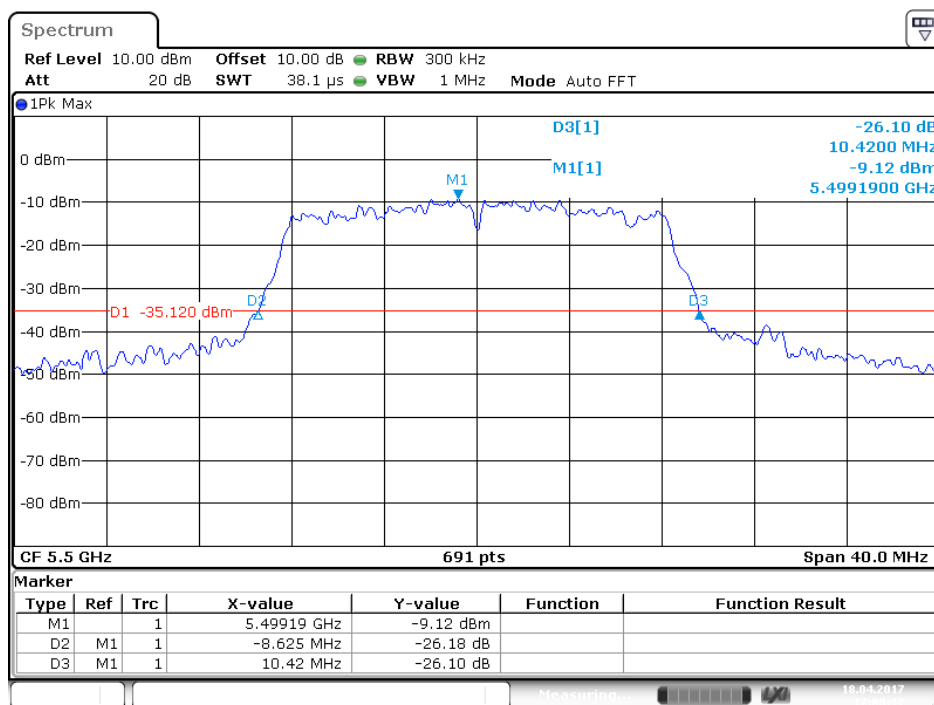
Date: 18.APR.2017 16:56:01



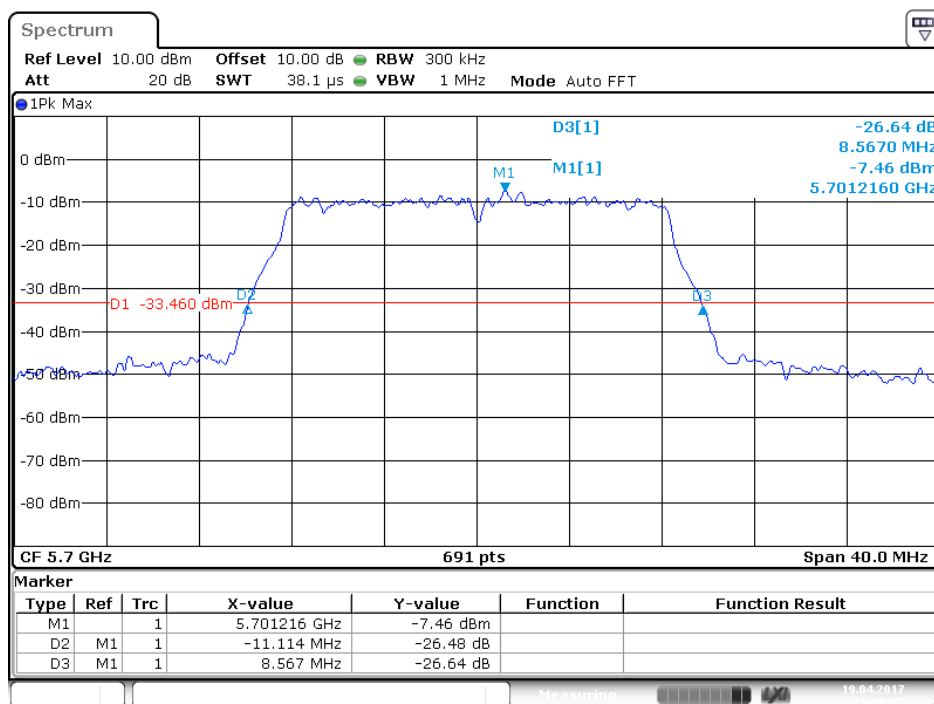
Date: 18.APR.2017 16:57:43



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

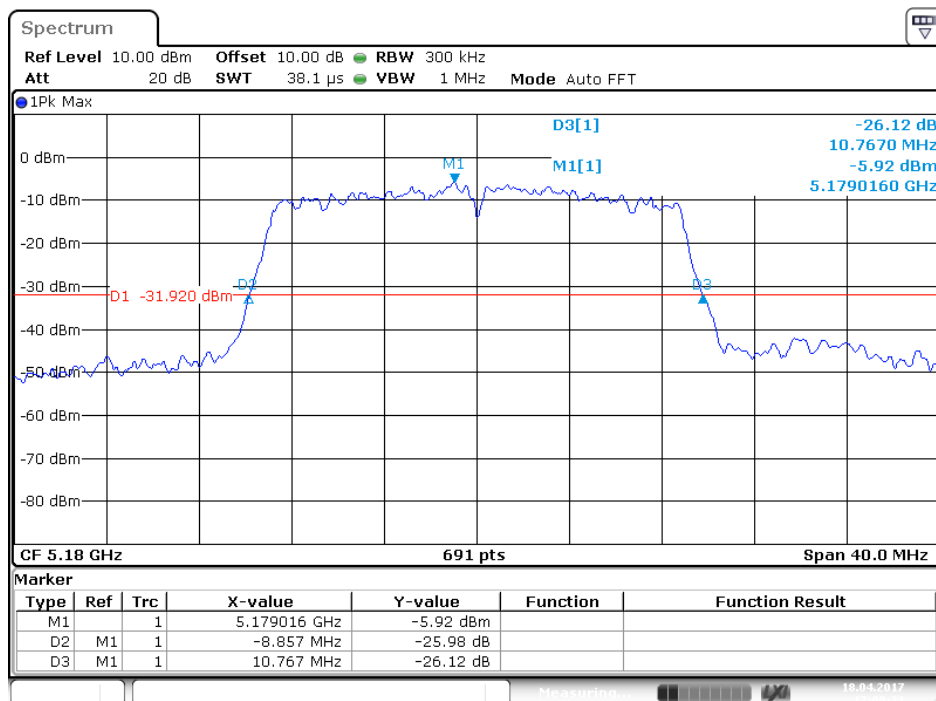


Date: 18.APR.2017 17:00:18

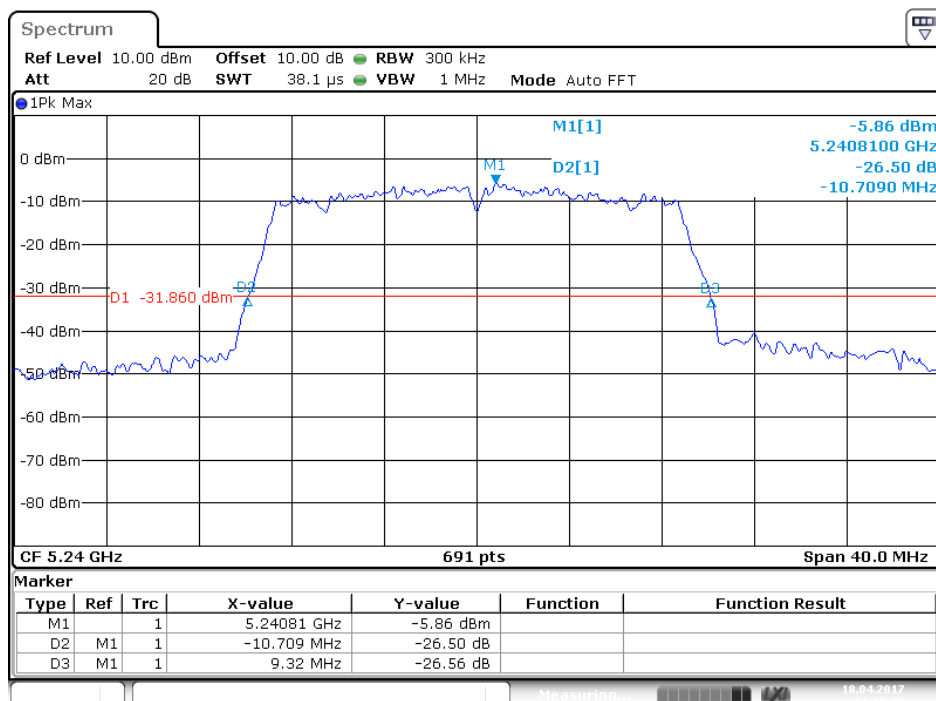


Date: 19.APR.2017 15:00:47

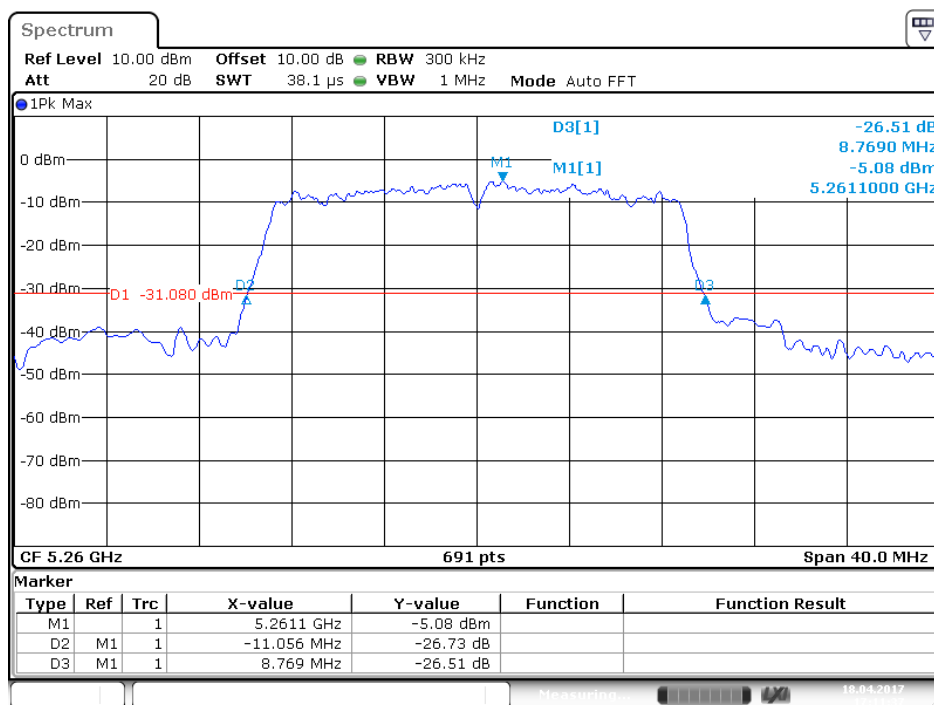
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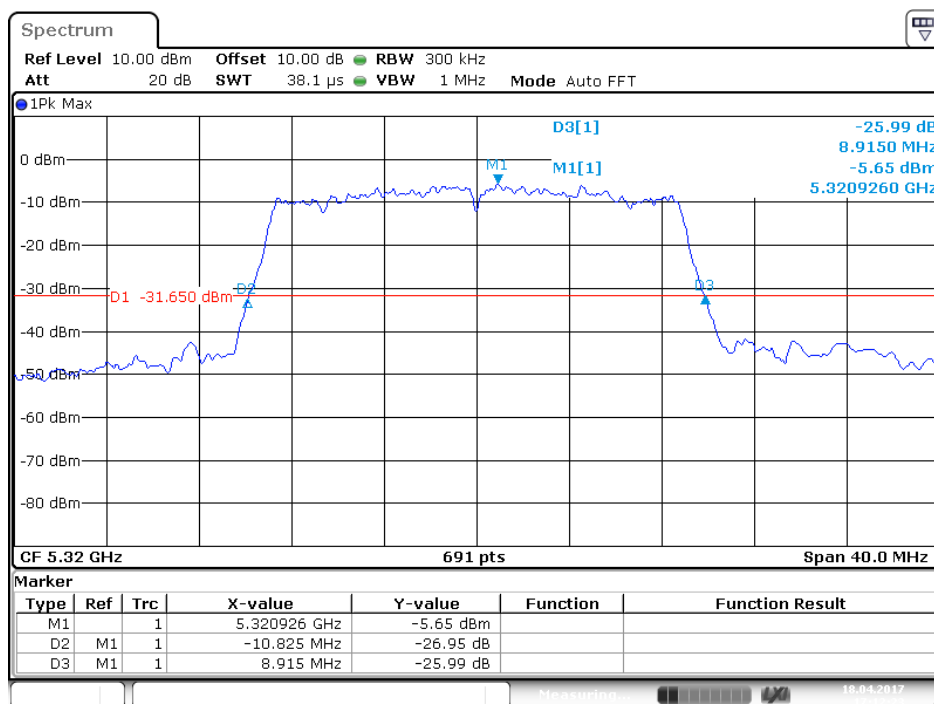
Date: 18.APR.2017 17:09:30



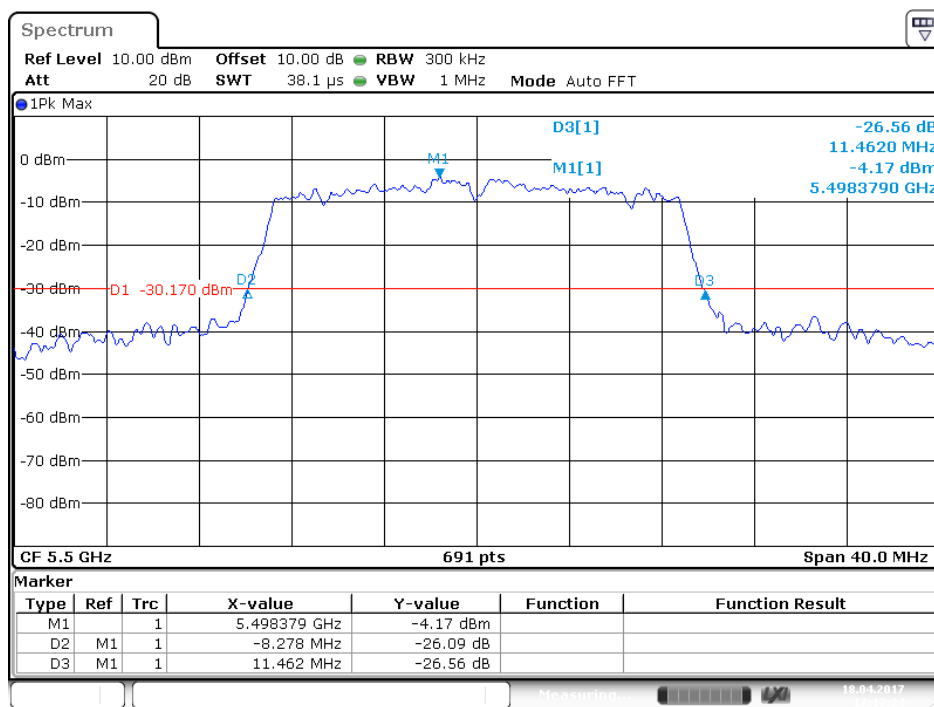
Date: 18.APR.2017 17:10:30



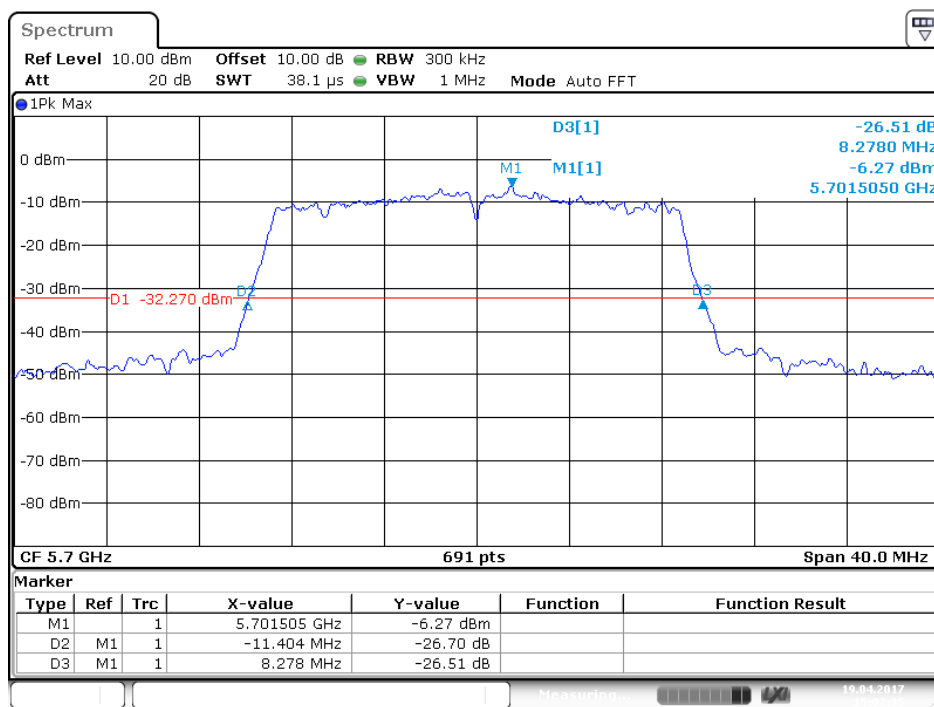
Date: 18.APR.2017 17:11:38



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

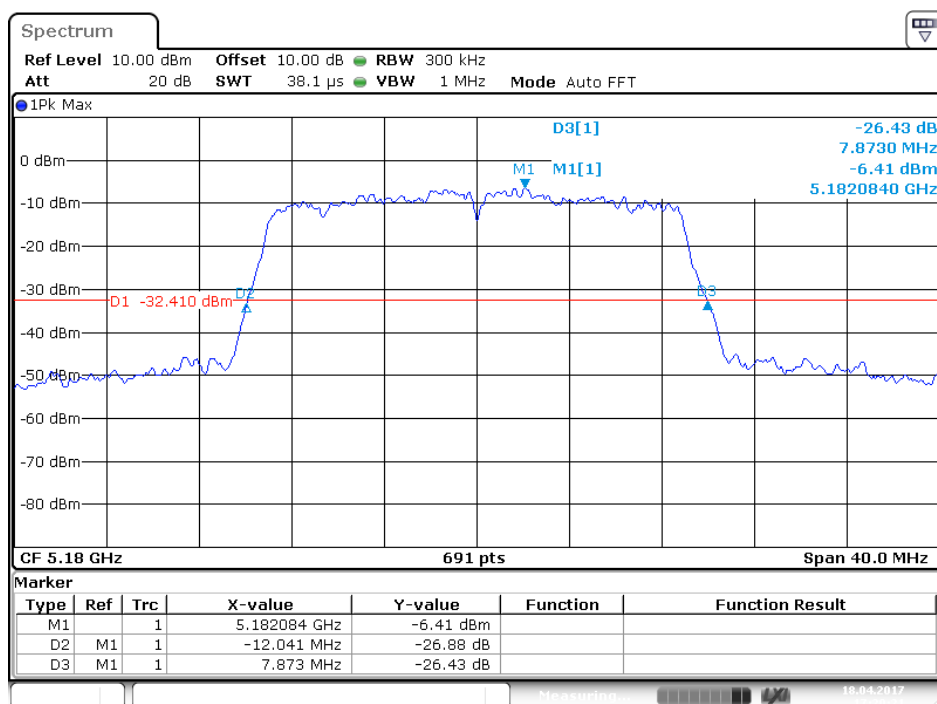


Date: 18.APR.2017 17:13:23

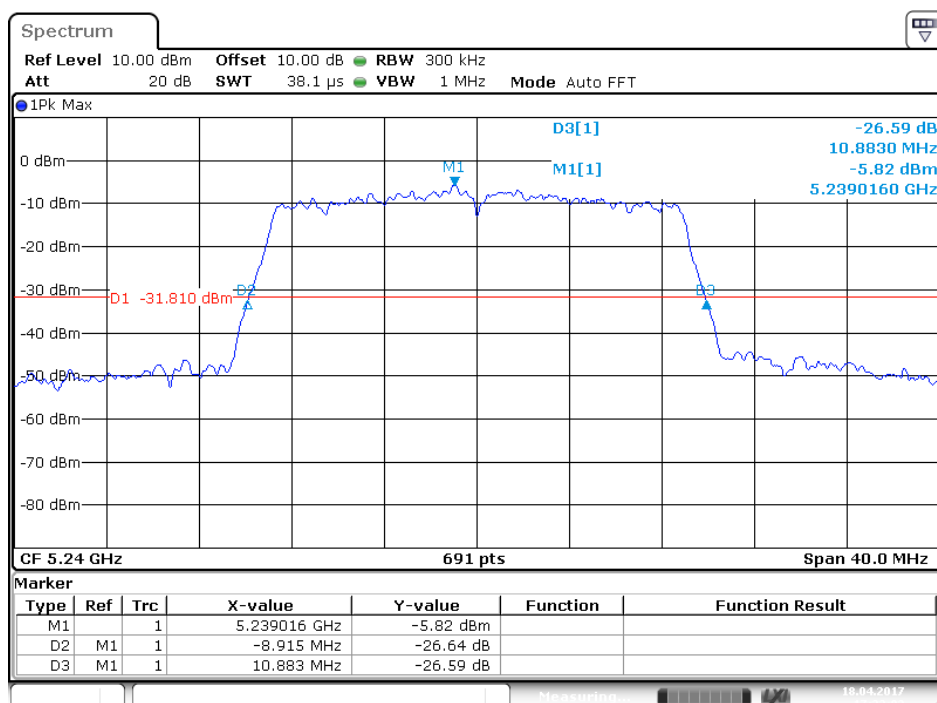


Date: 19.APR.2017 15:02:35

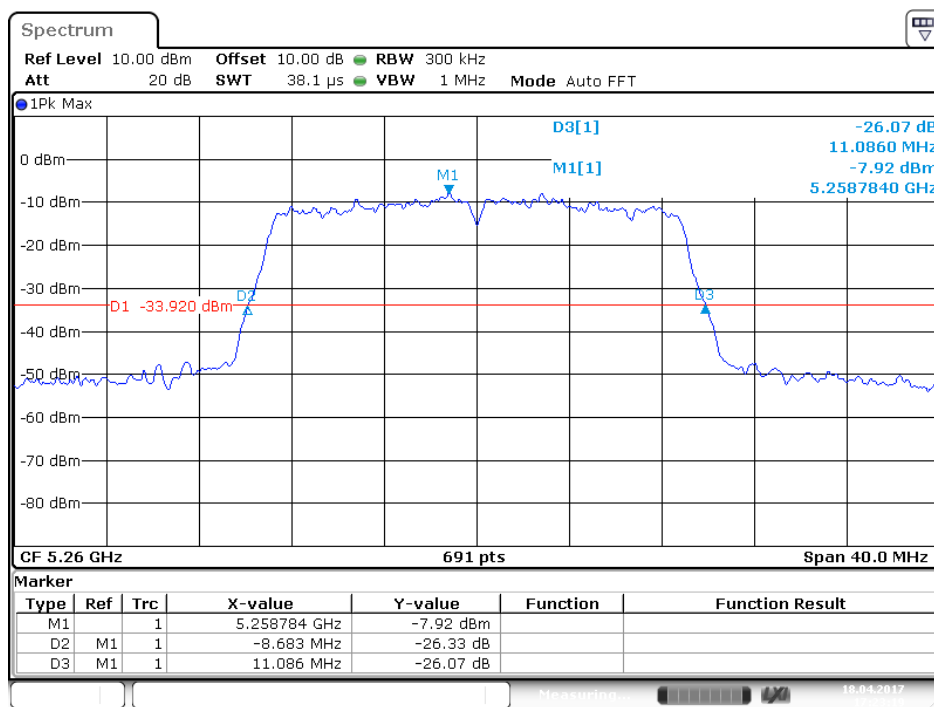
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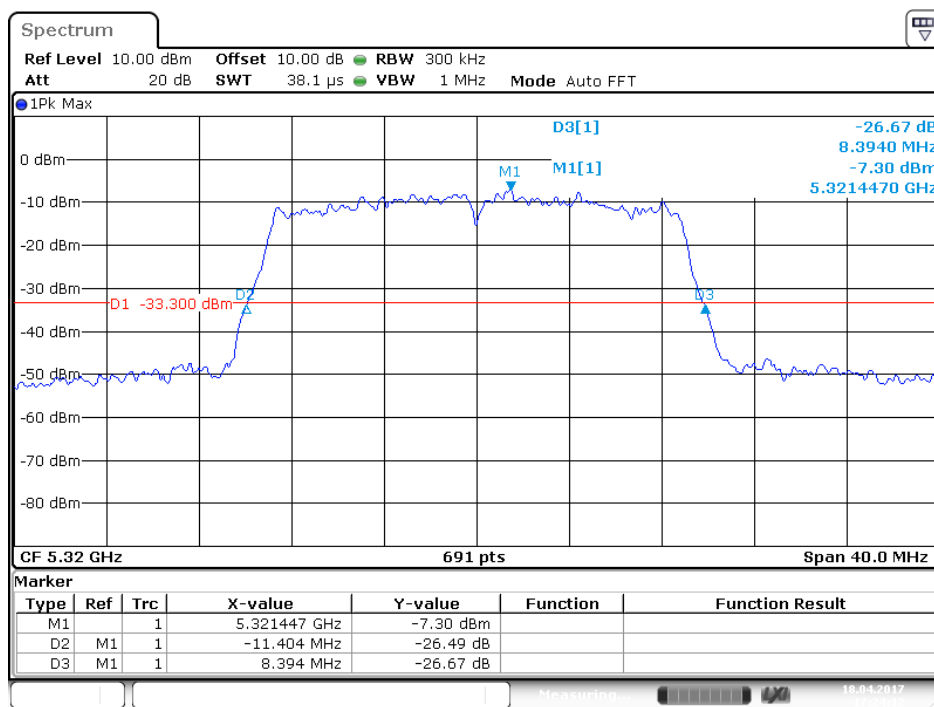
Date: 18.APR.2017 17:20:22



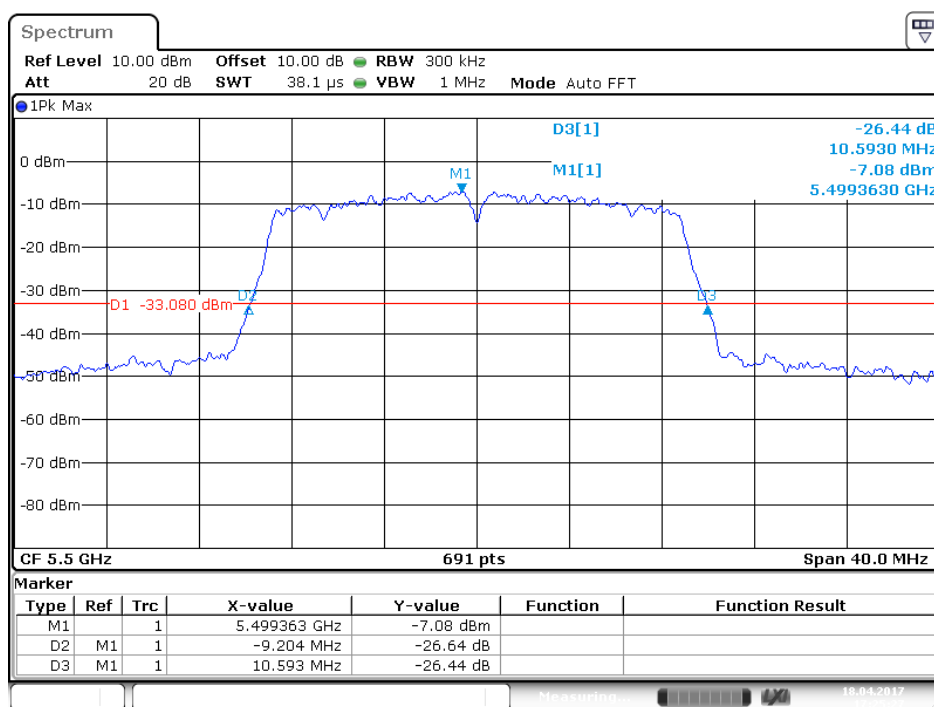
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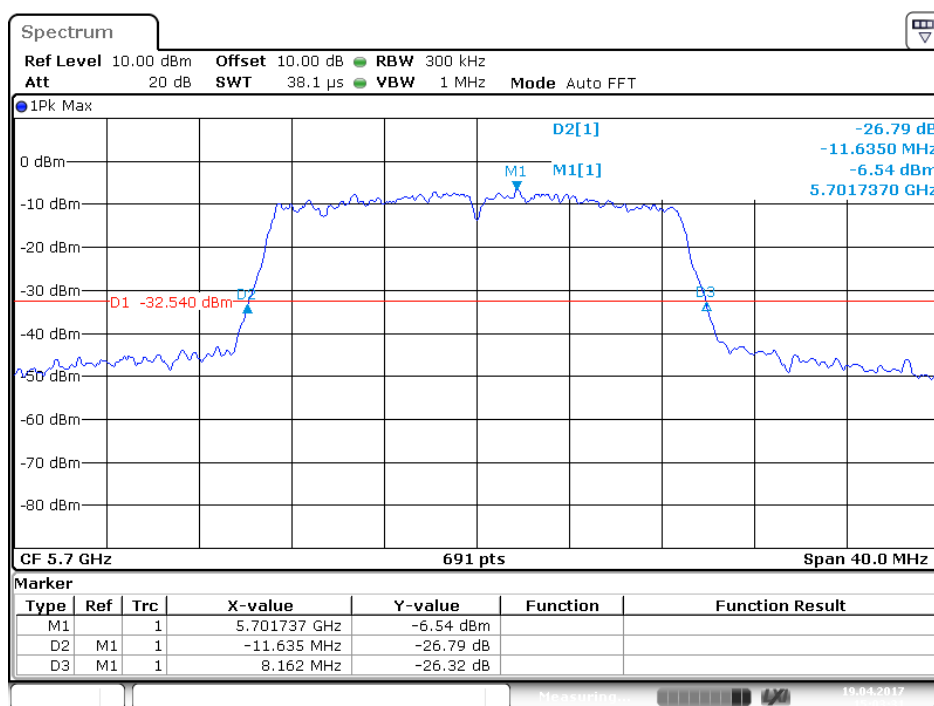
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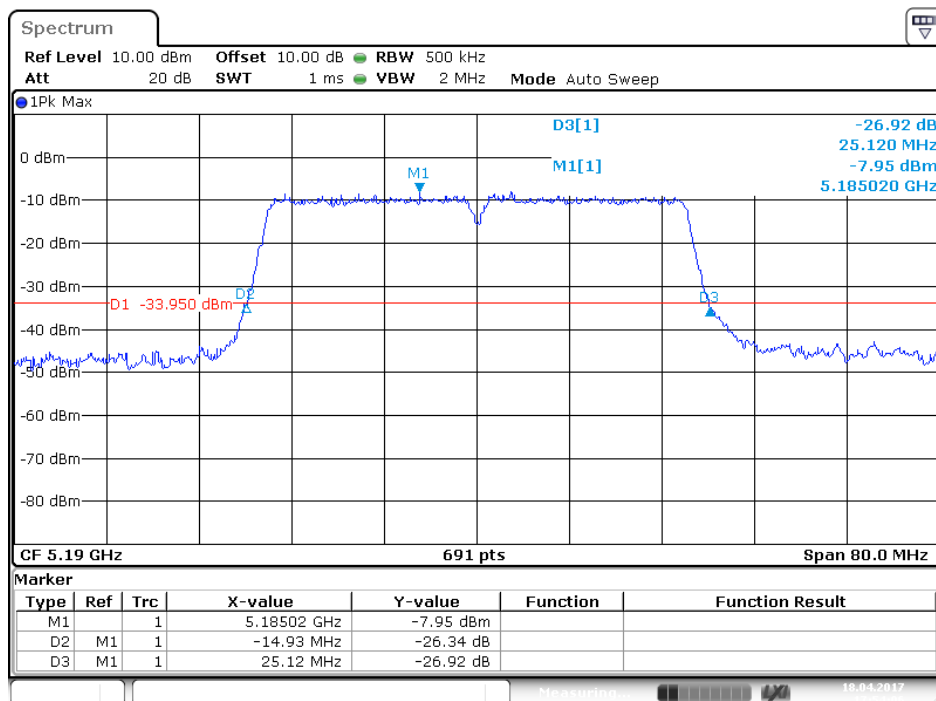


Date: 18.APR.2017 17:25:28

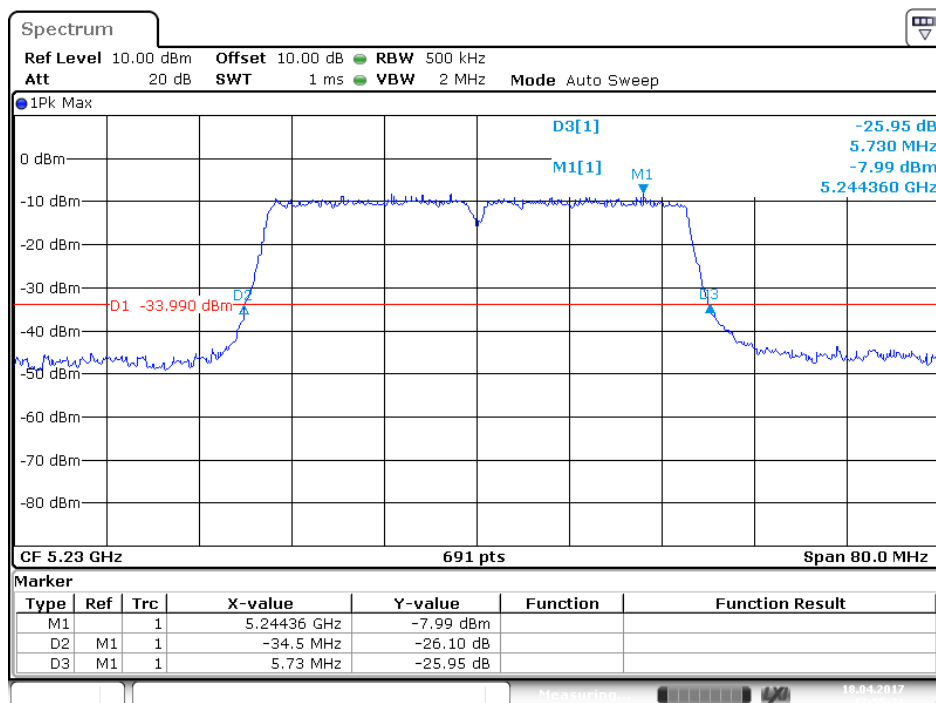


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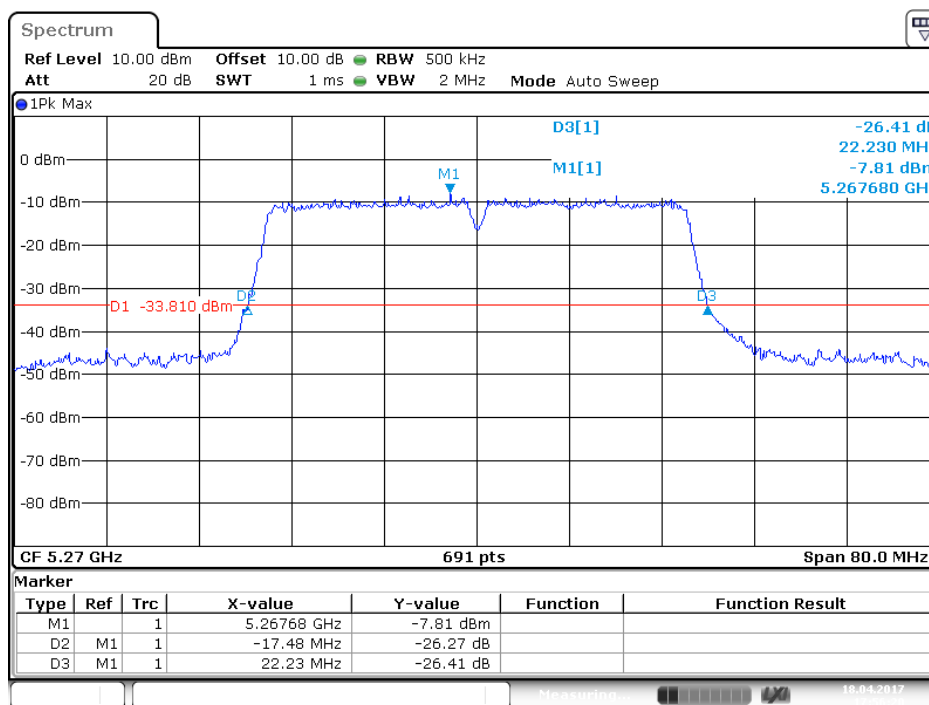
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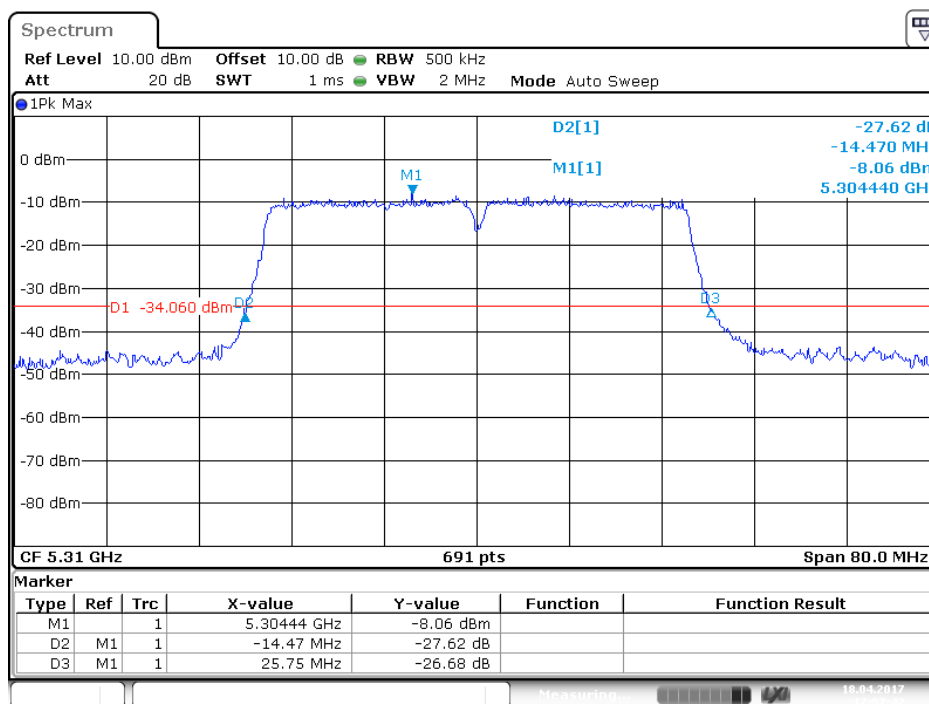
Date: 18.APR.2017 17:54:07



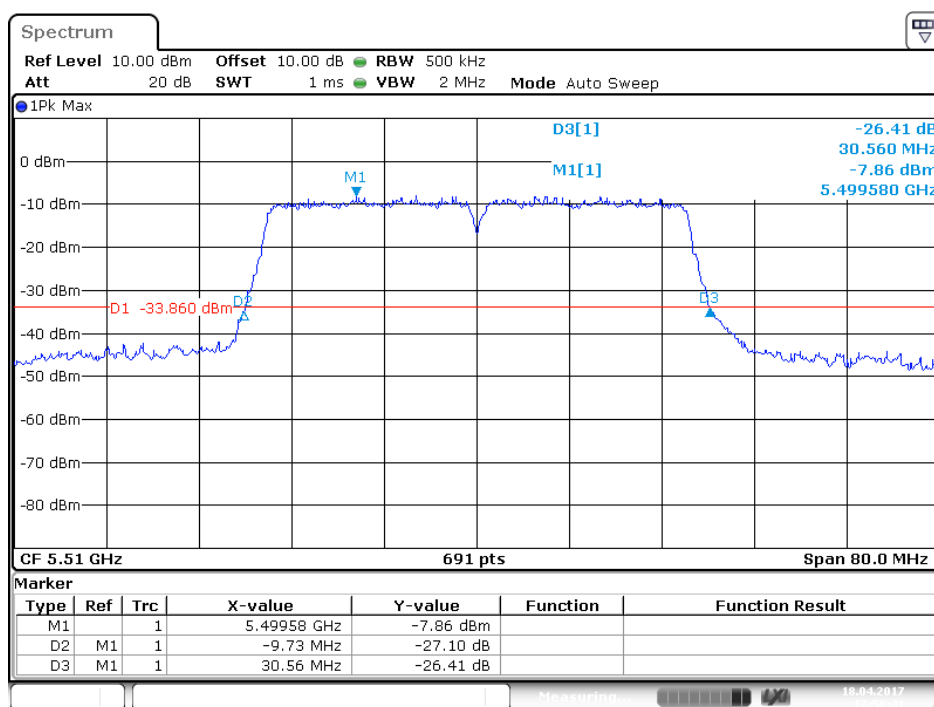
Date: 18.APR.2017 17:55:21



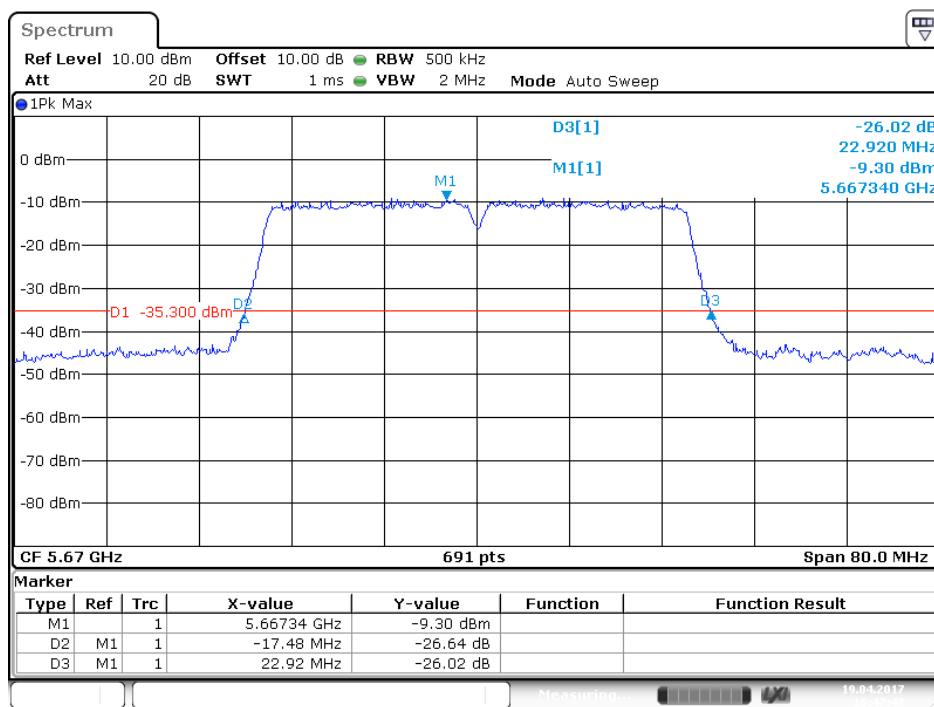
Date: 18.APR.2017 17:56:21



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

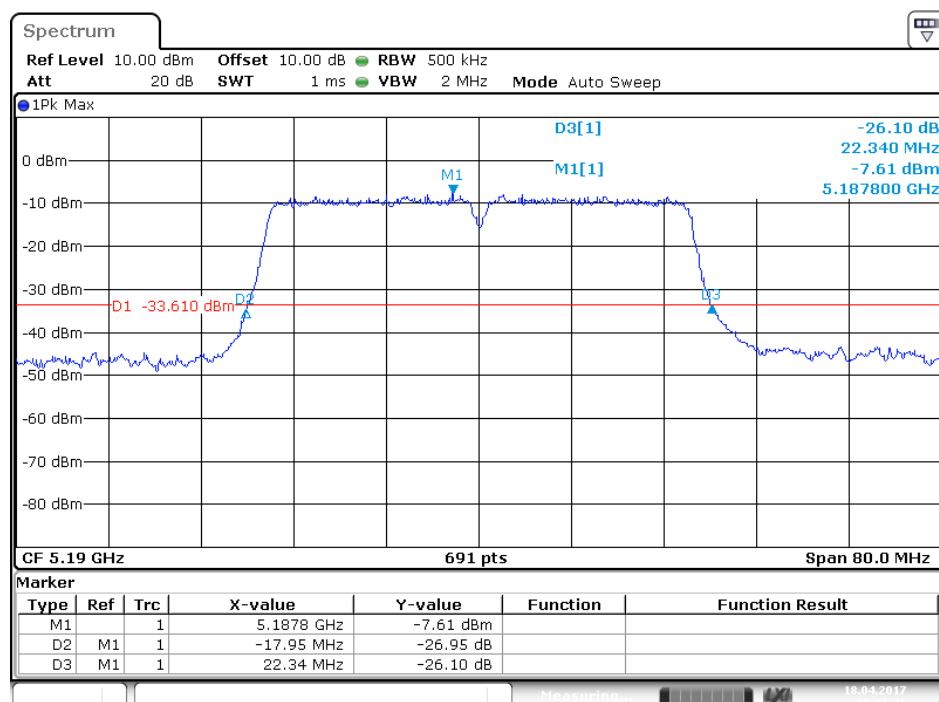


Date: 18.APR.2017 17:58:40

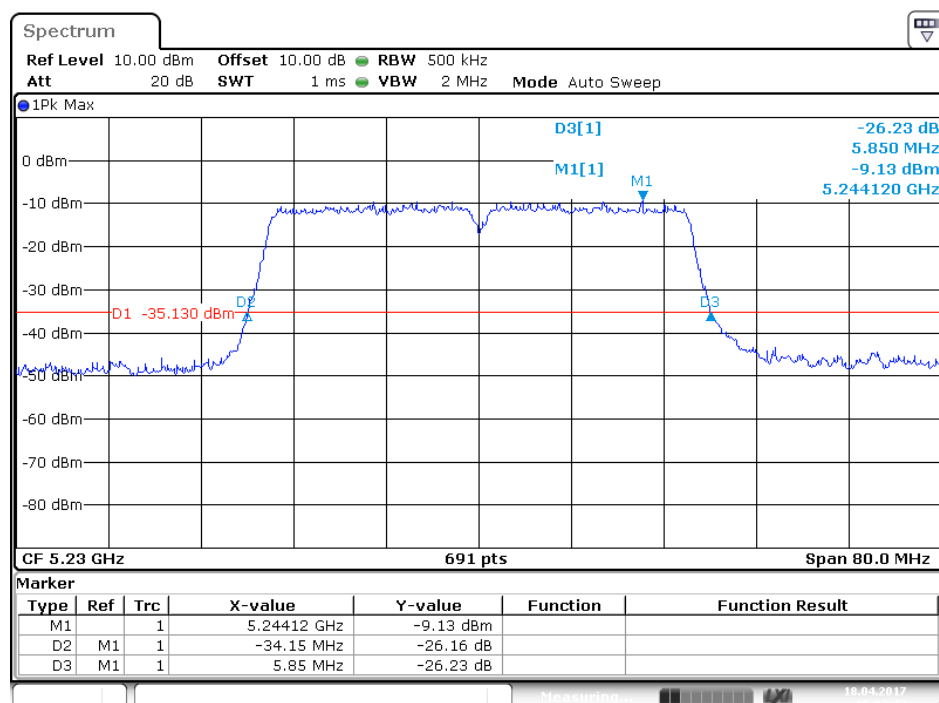


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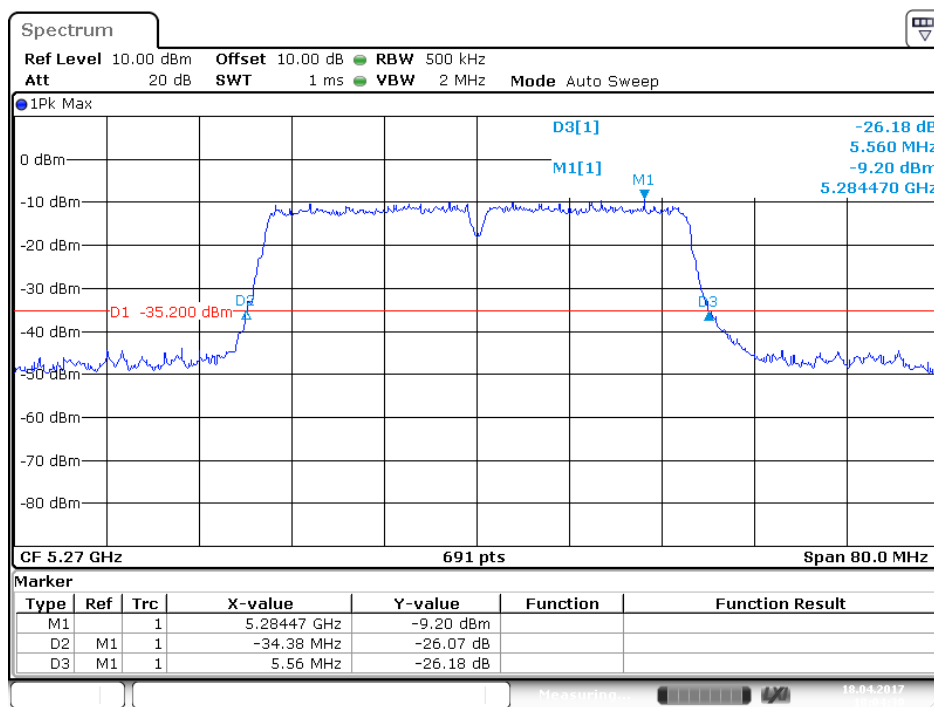
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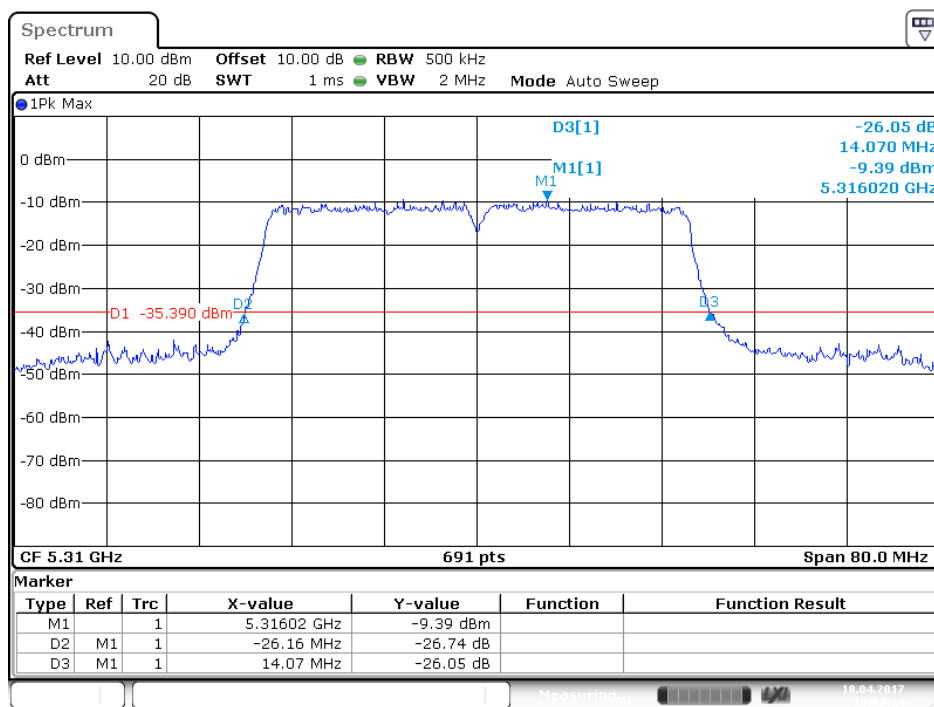
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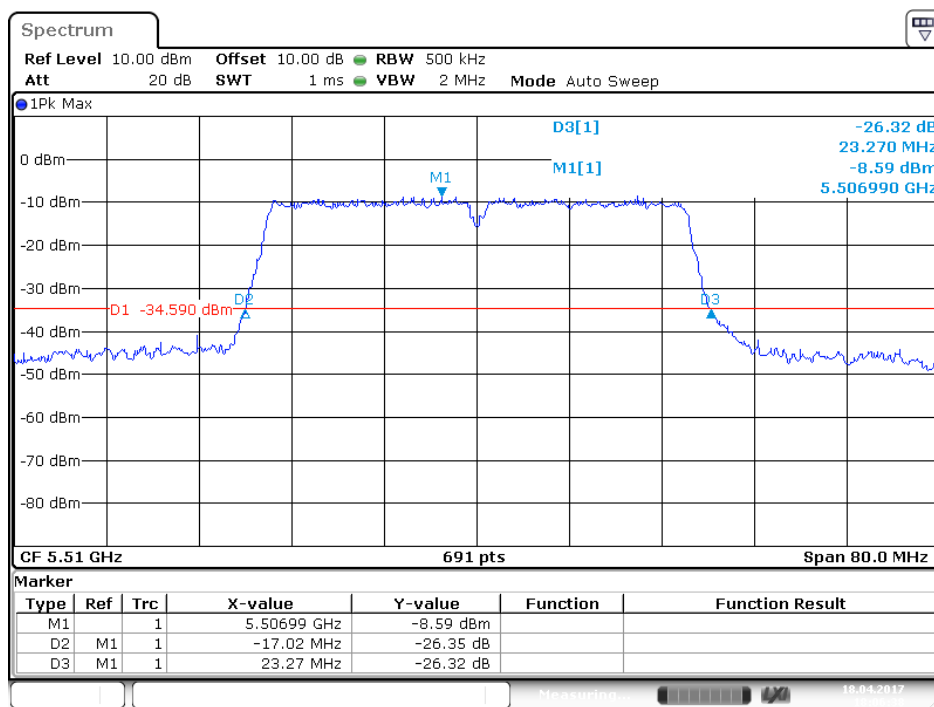
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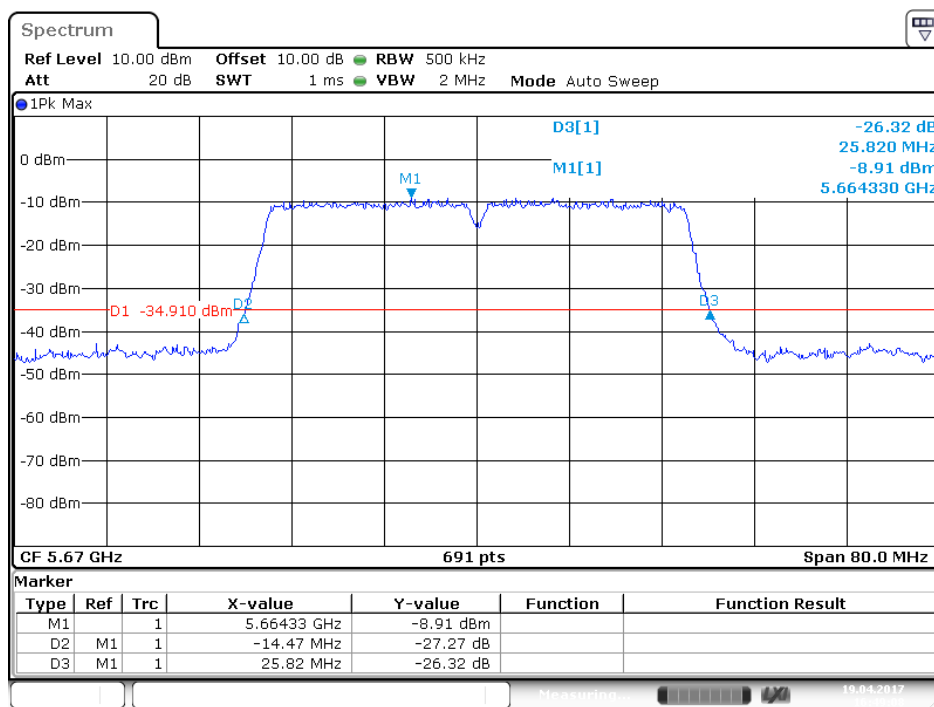
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Date: 18.APR.2017 18:05:35

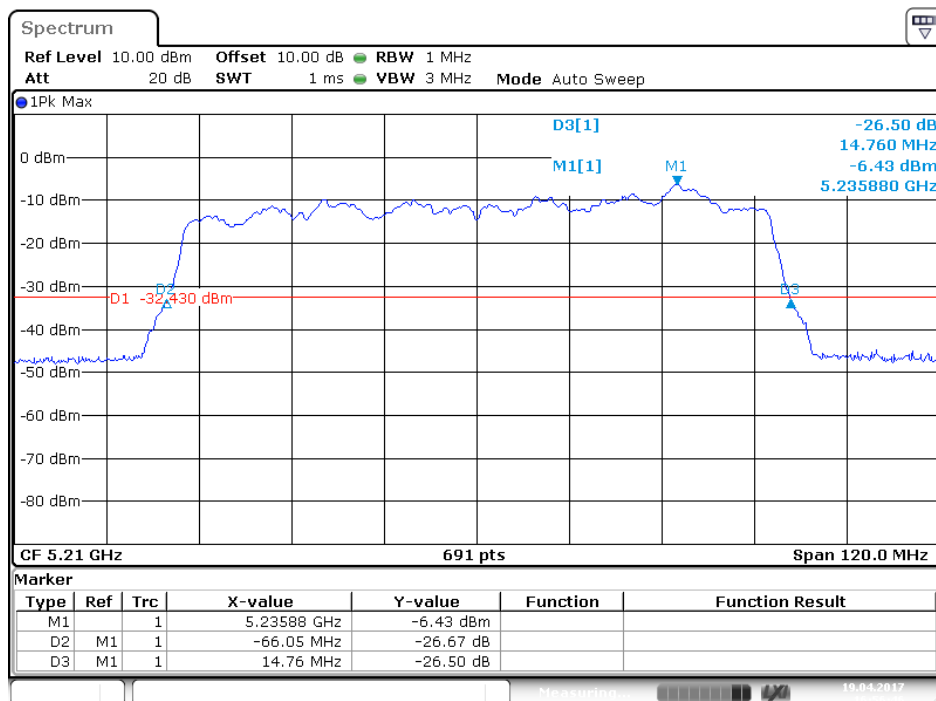


Date: 18.APR.2017 18:06:38

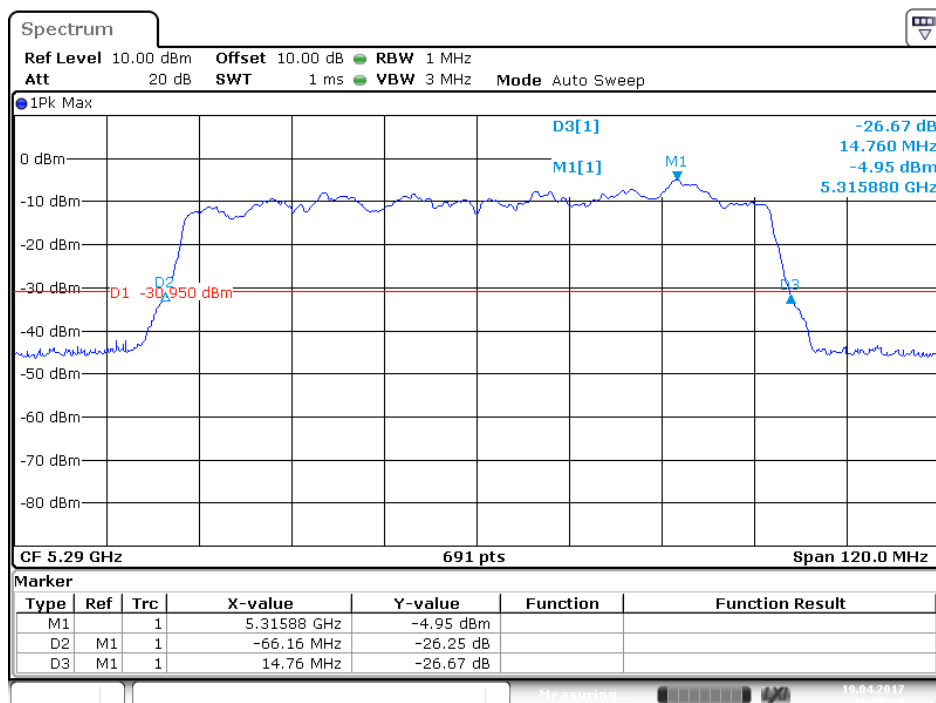


Date: 19.APR.2017 16:49:08

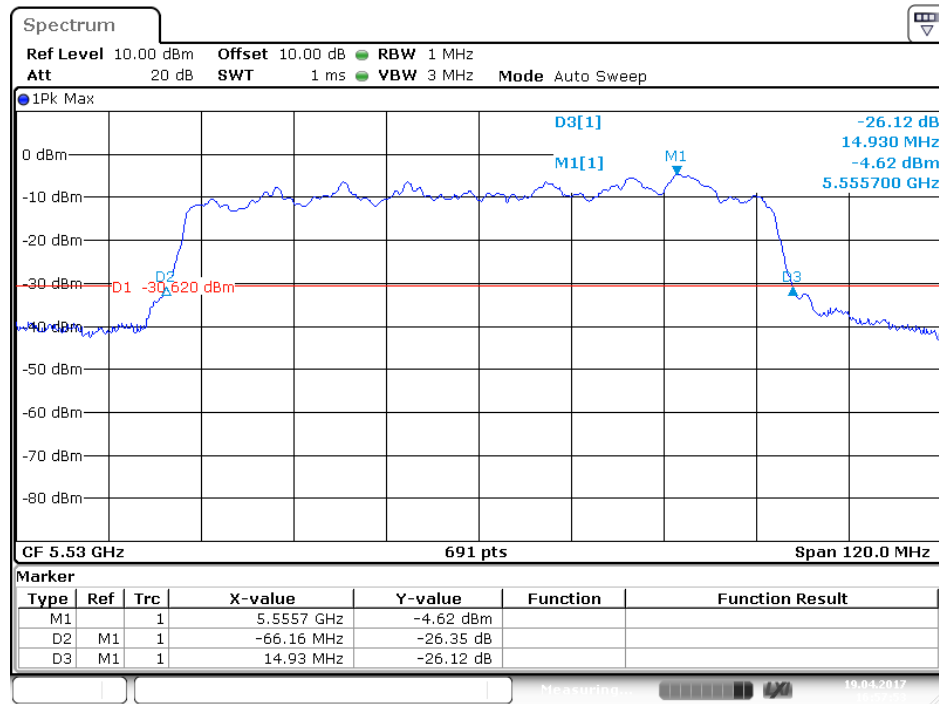
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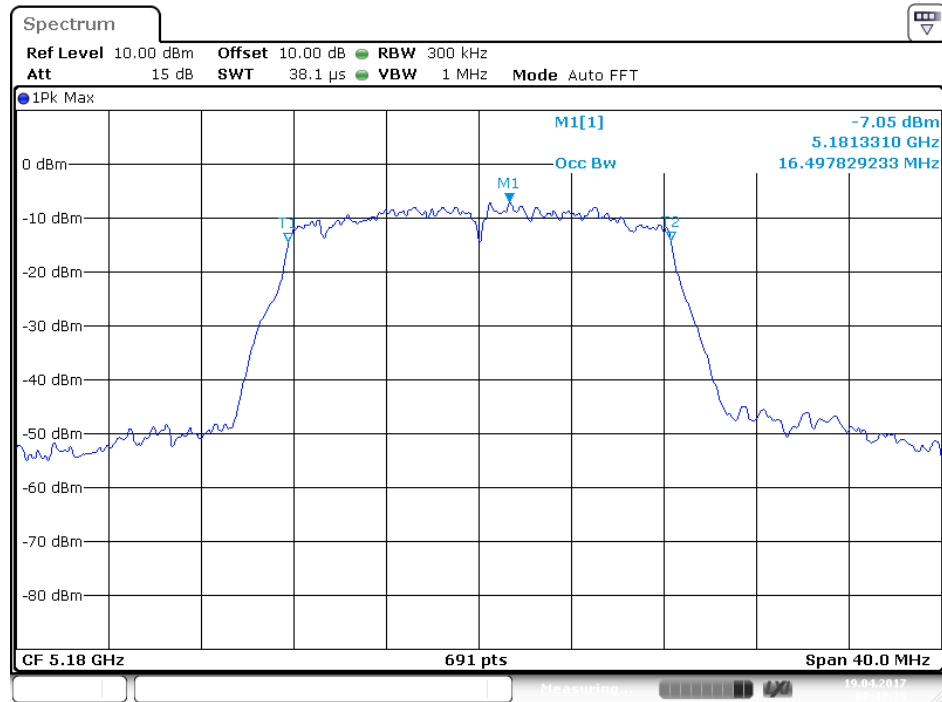
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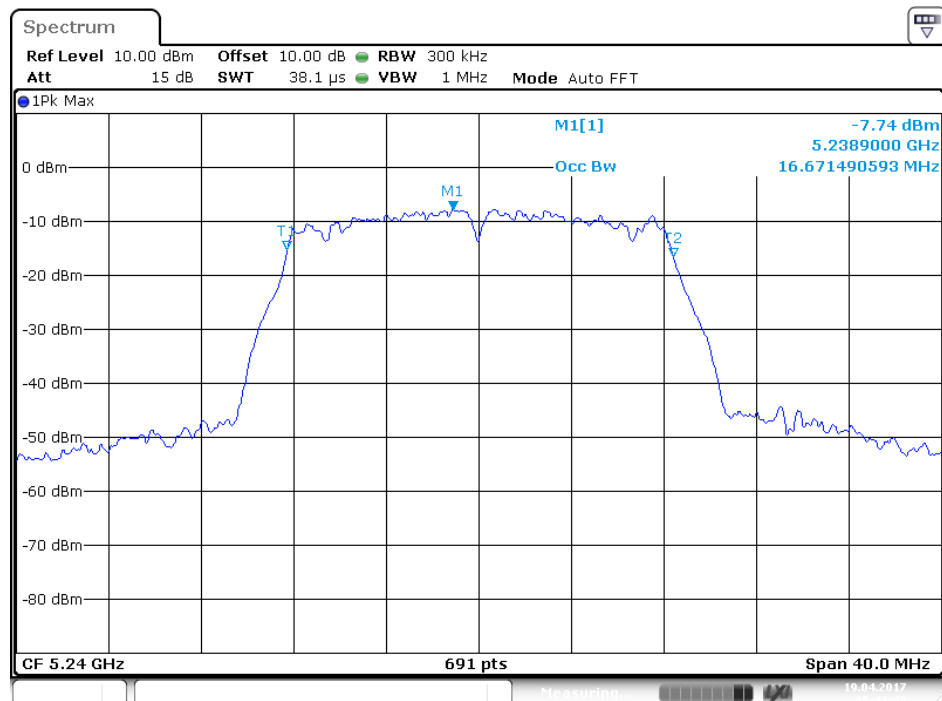
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99% Bandwidth Test Result

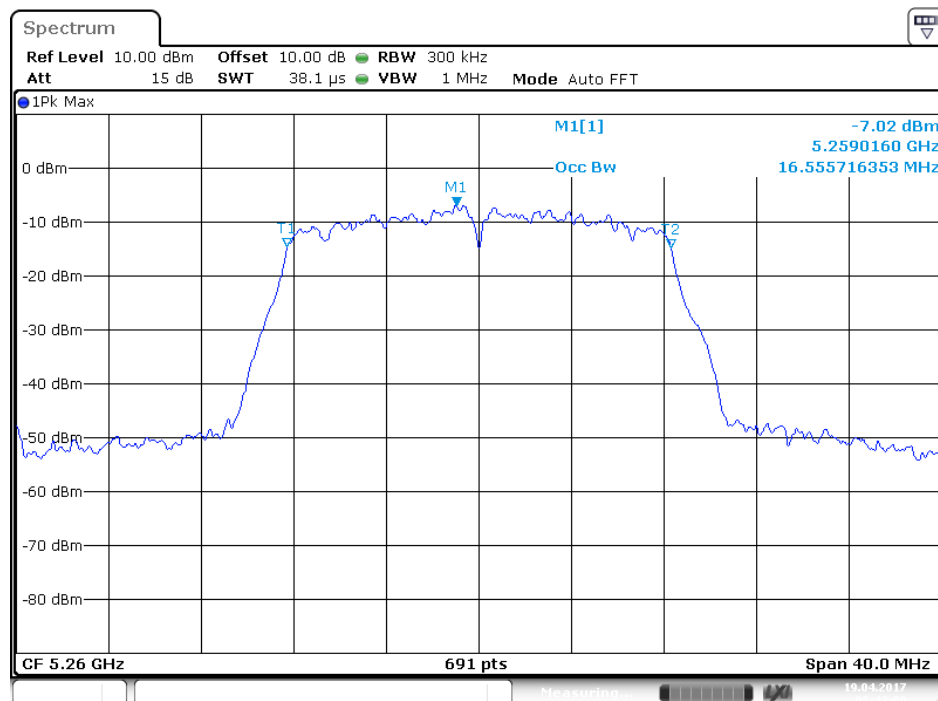
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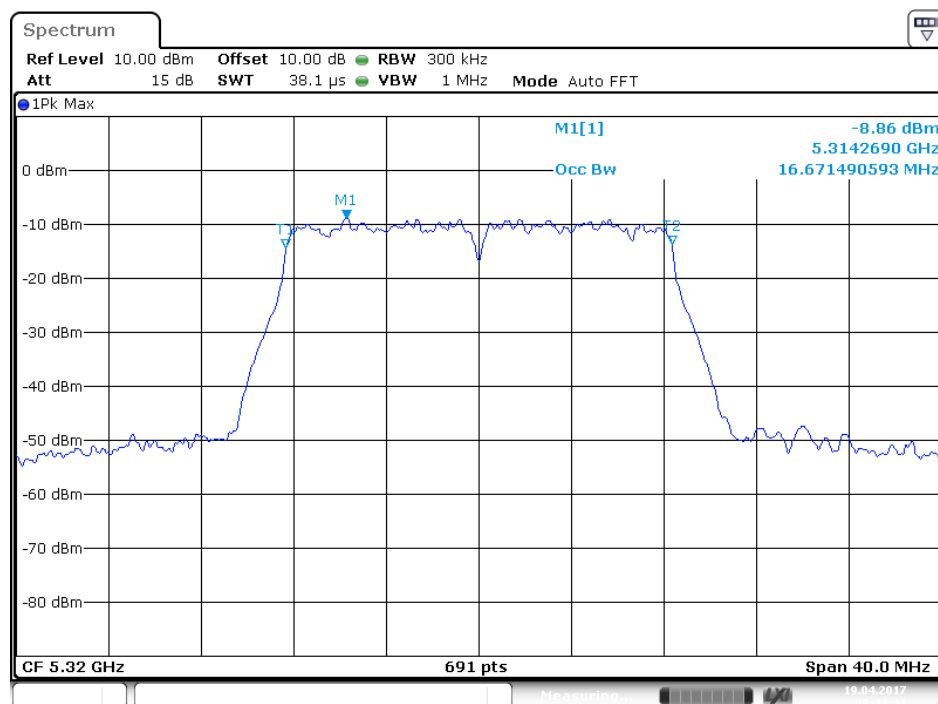
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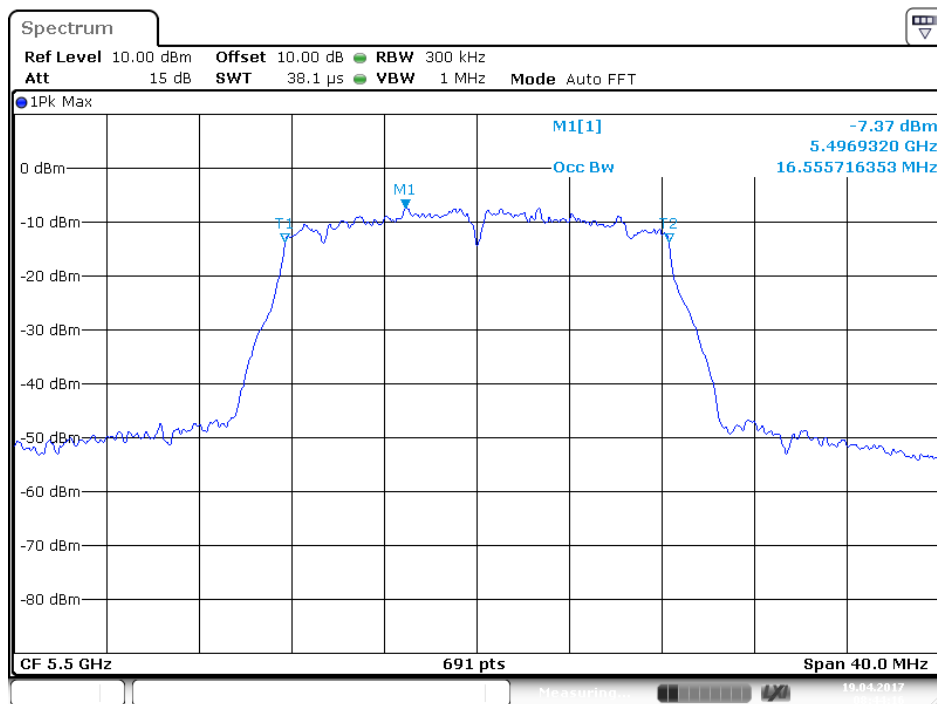
Date: 19.APR.2017 08:41:48



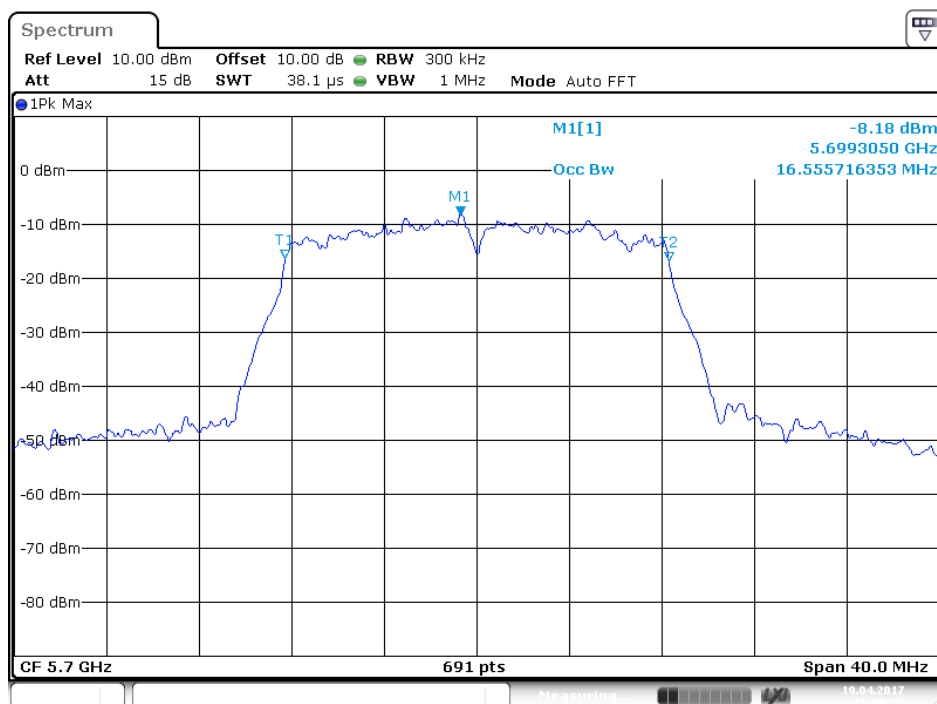
Date: 19.APR.2017 08:43:01



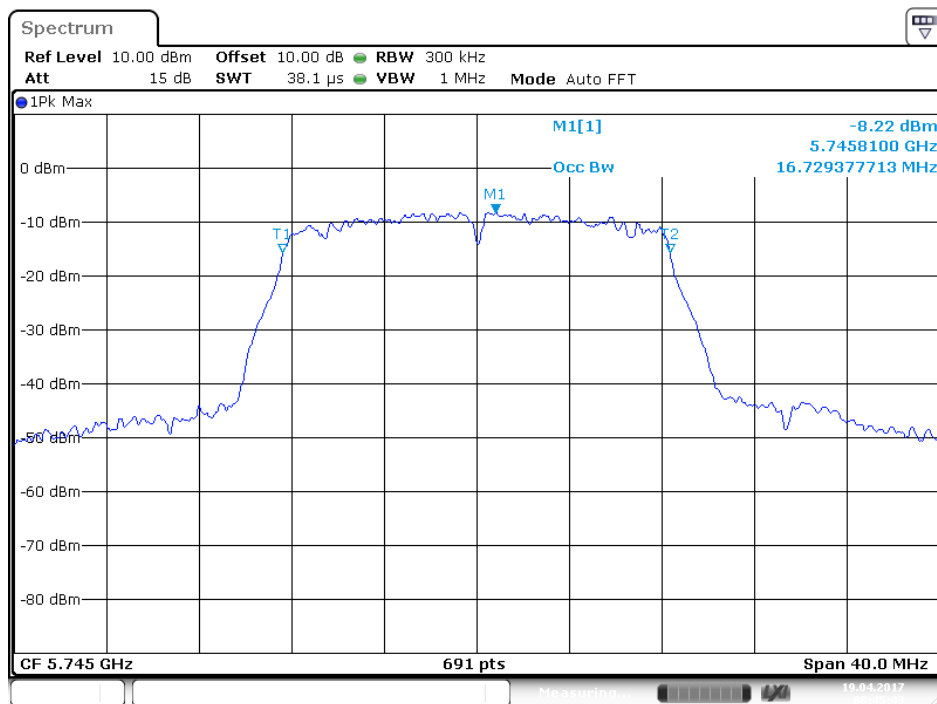
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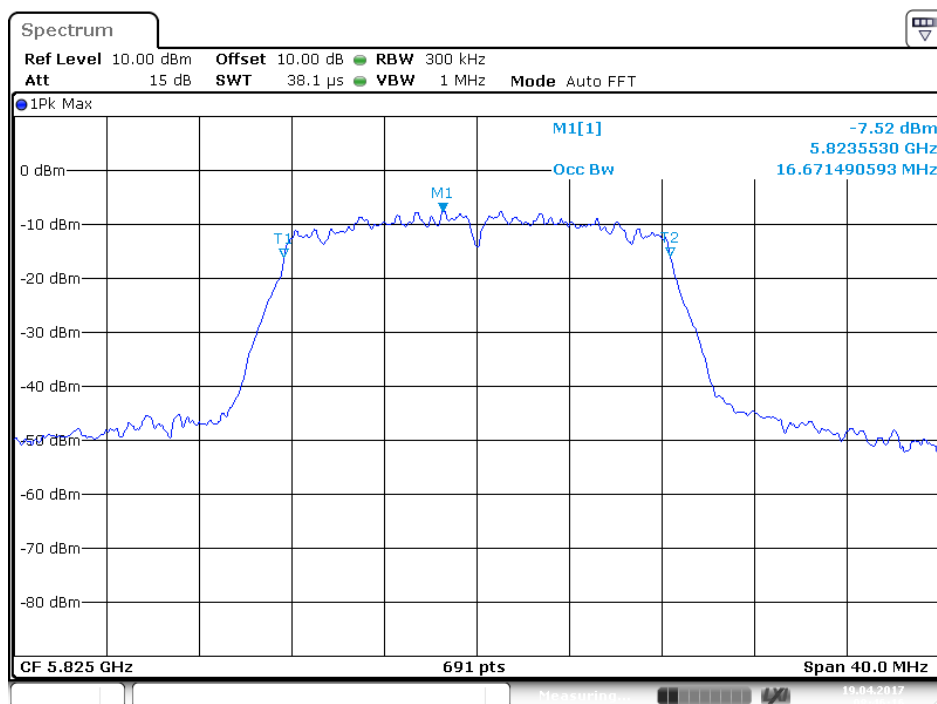
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Date: 19.APR.2017 15:09:38

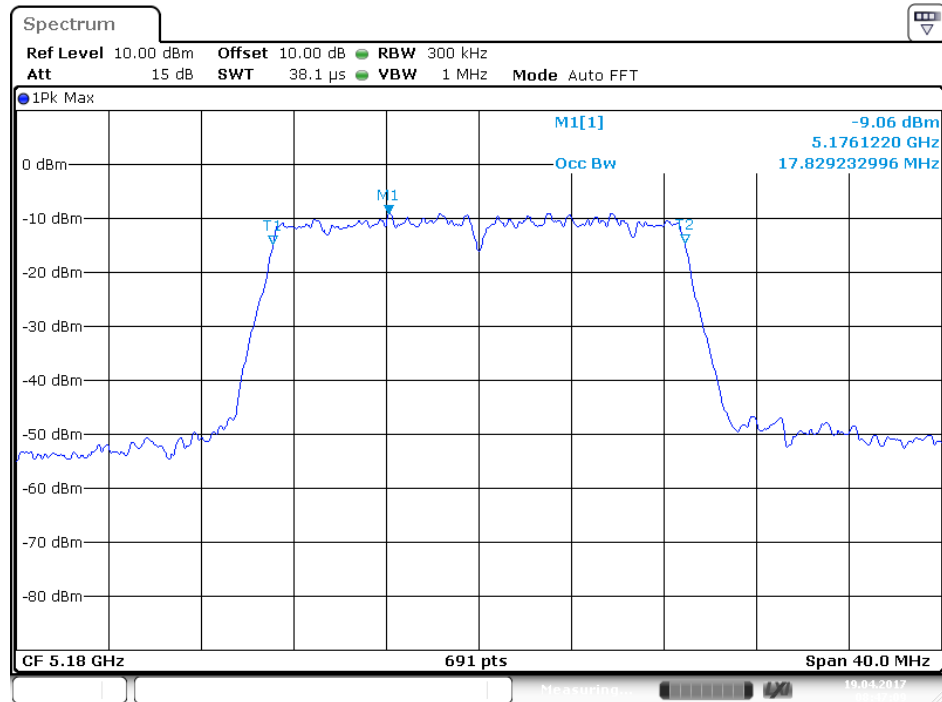


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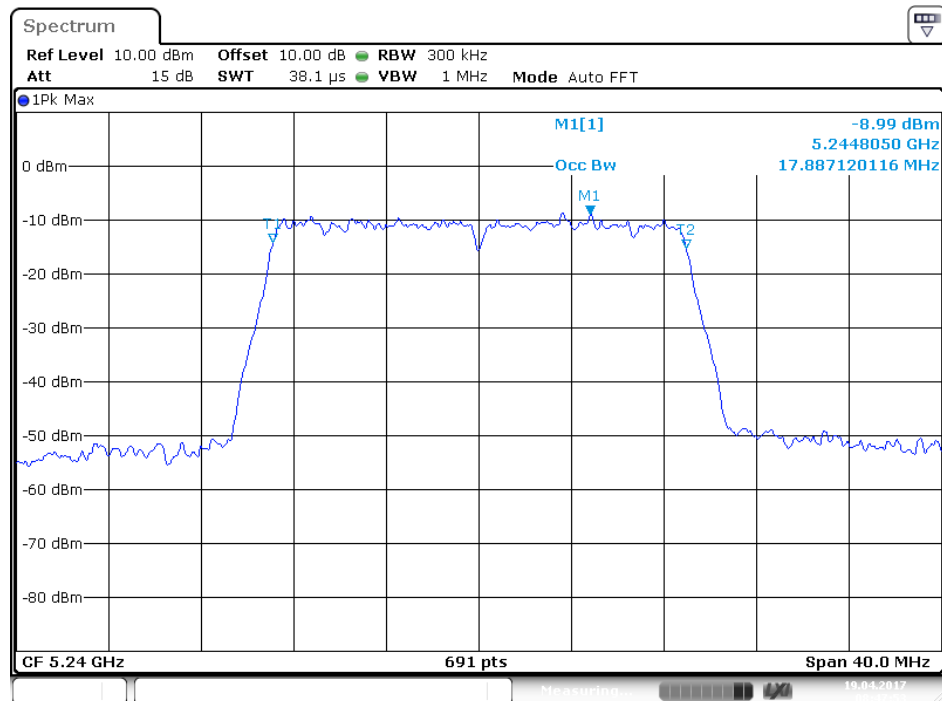


Date: 19.APR.2017 08:46:16

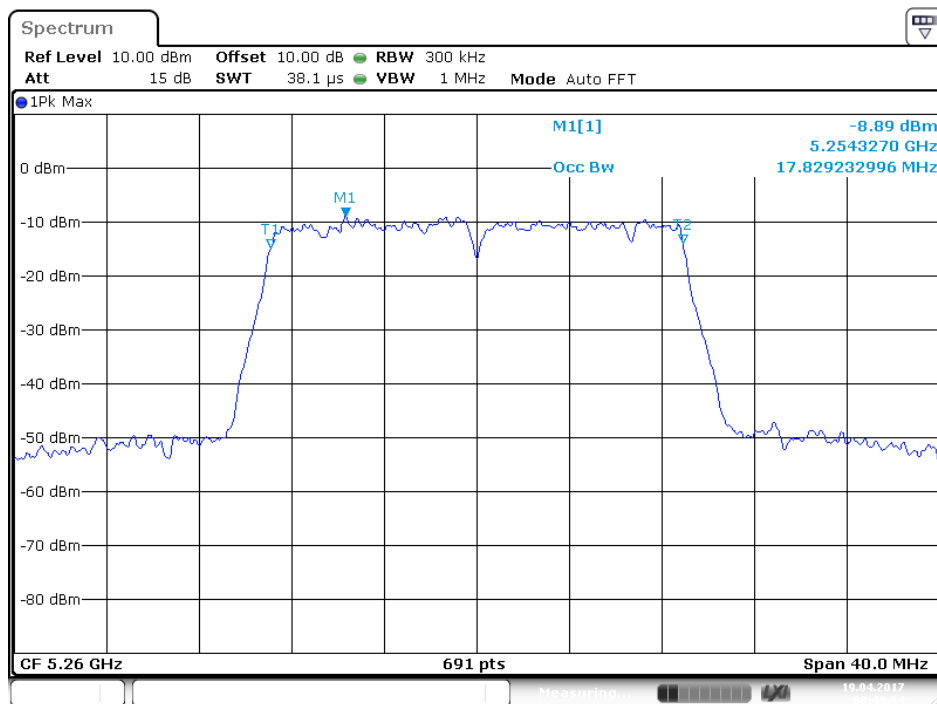
802.11N20



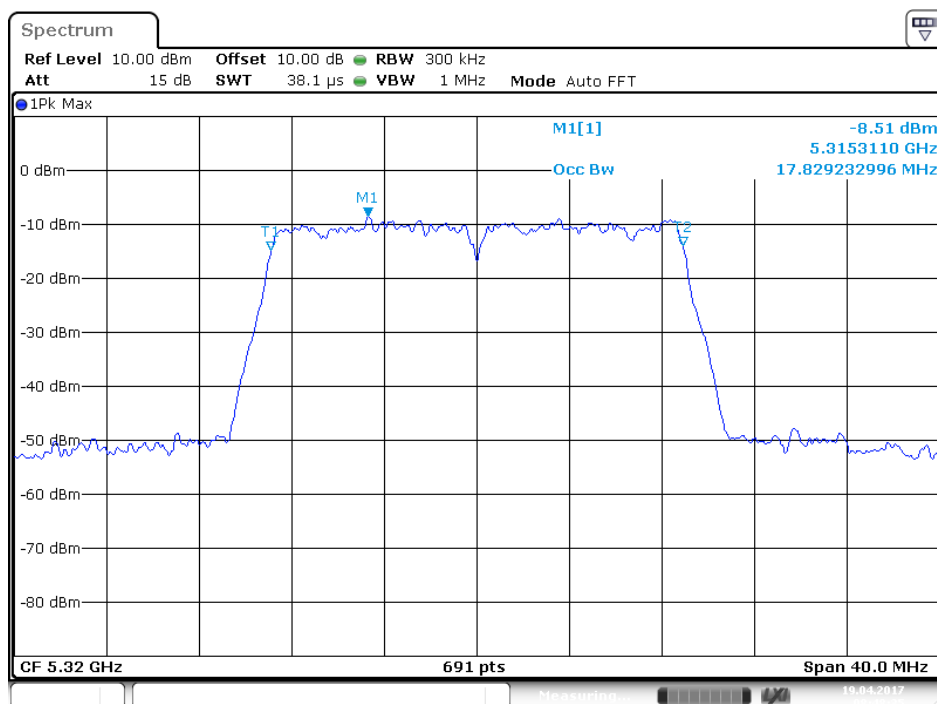
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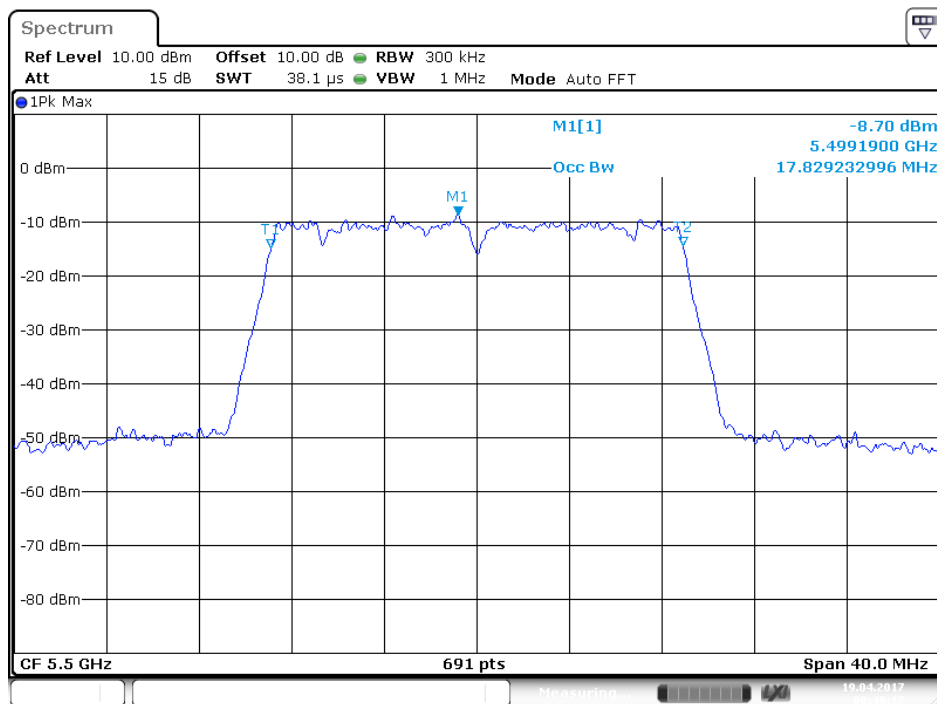
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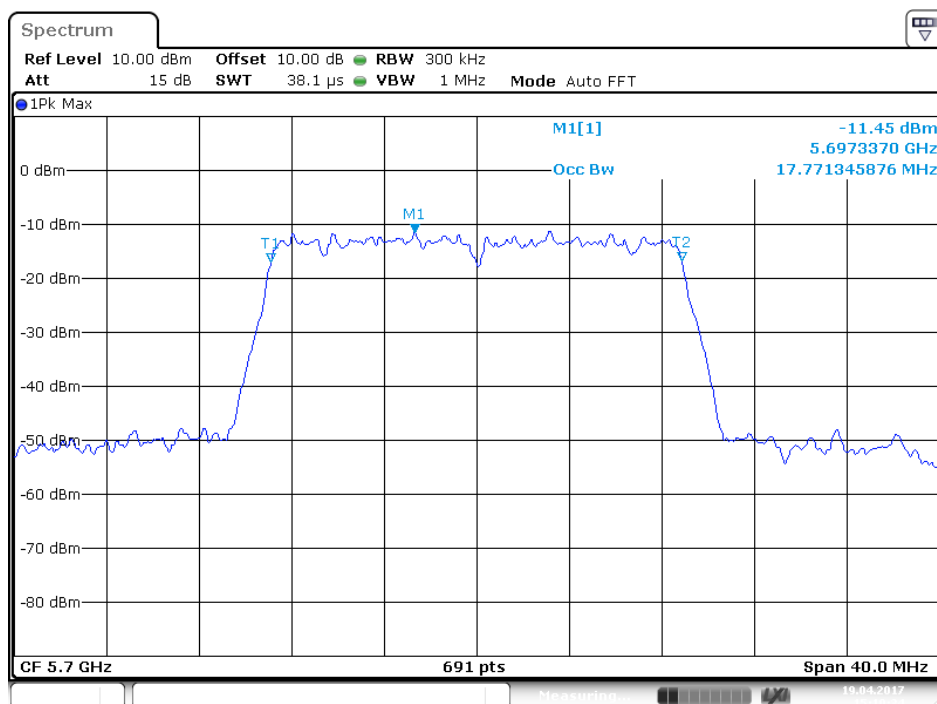
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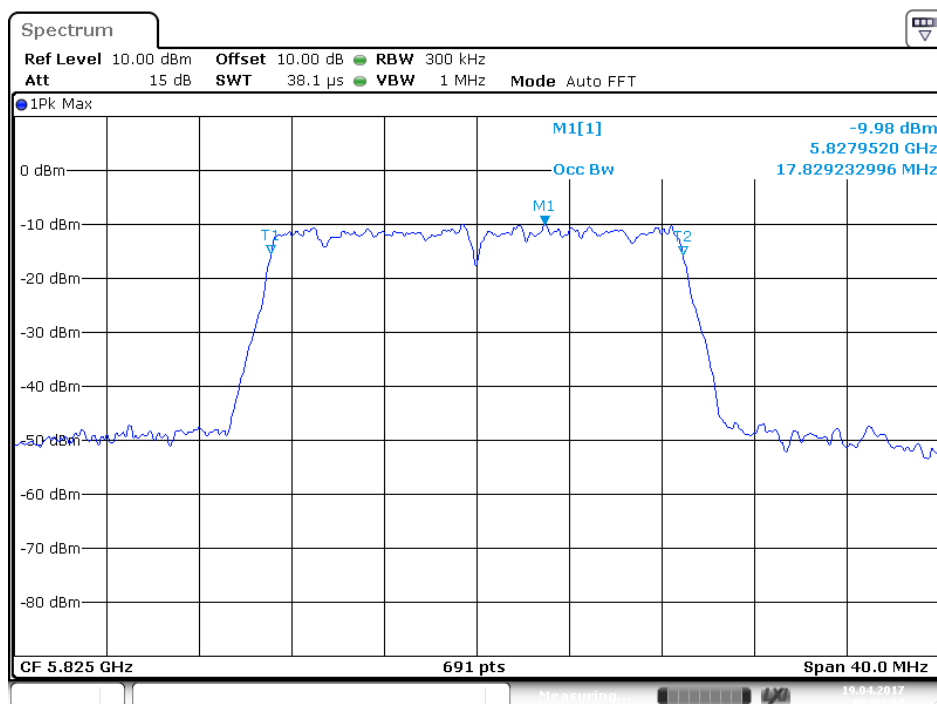
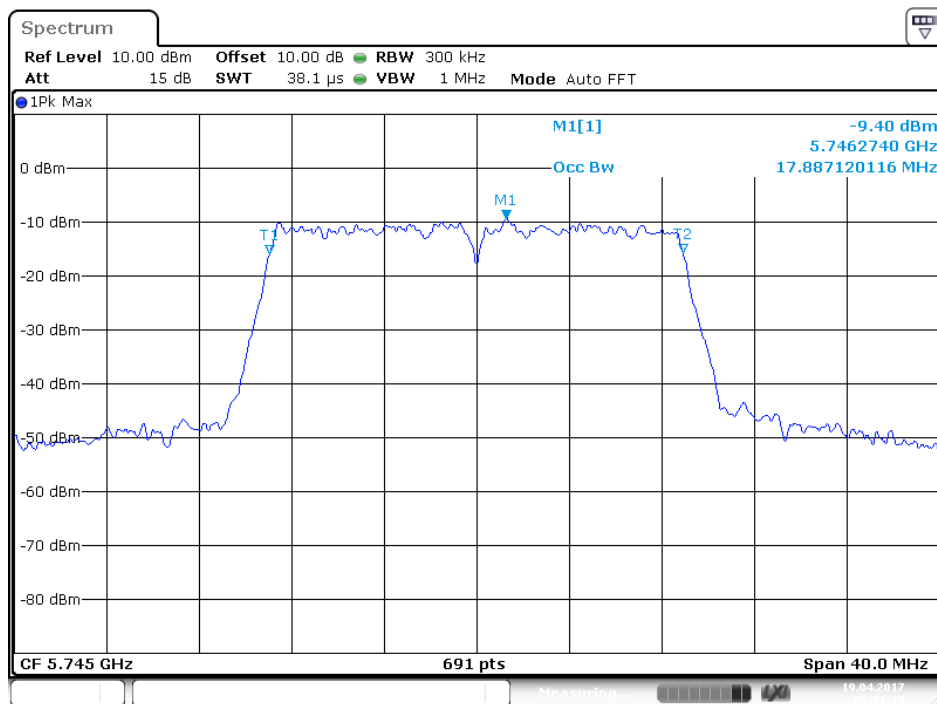
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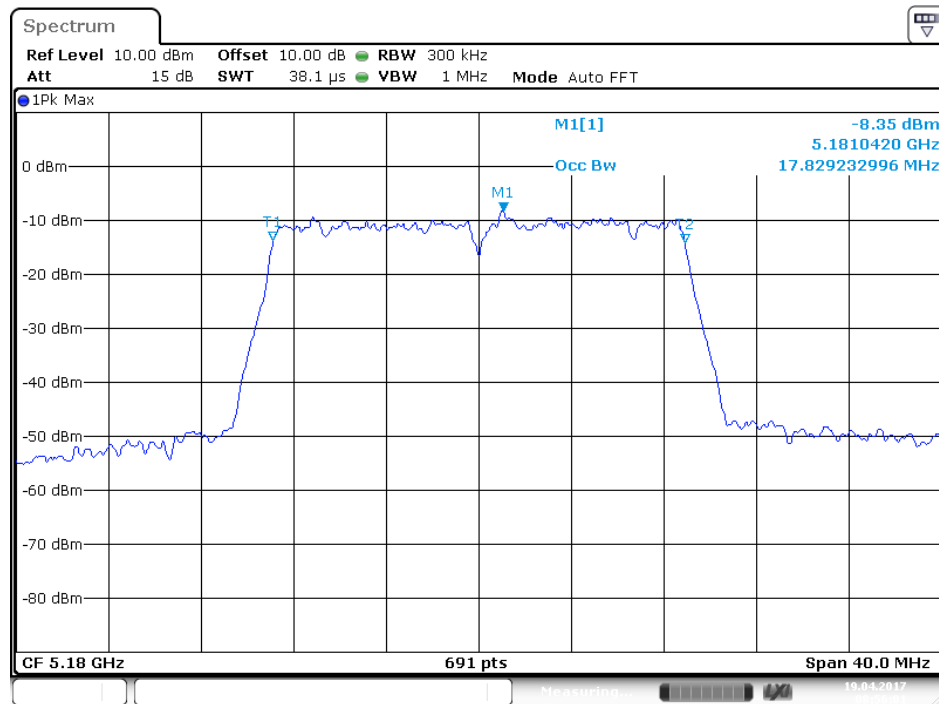
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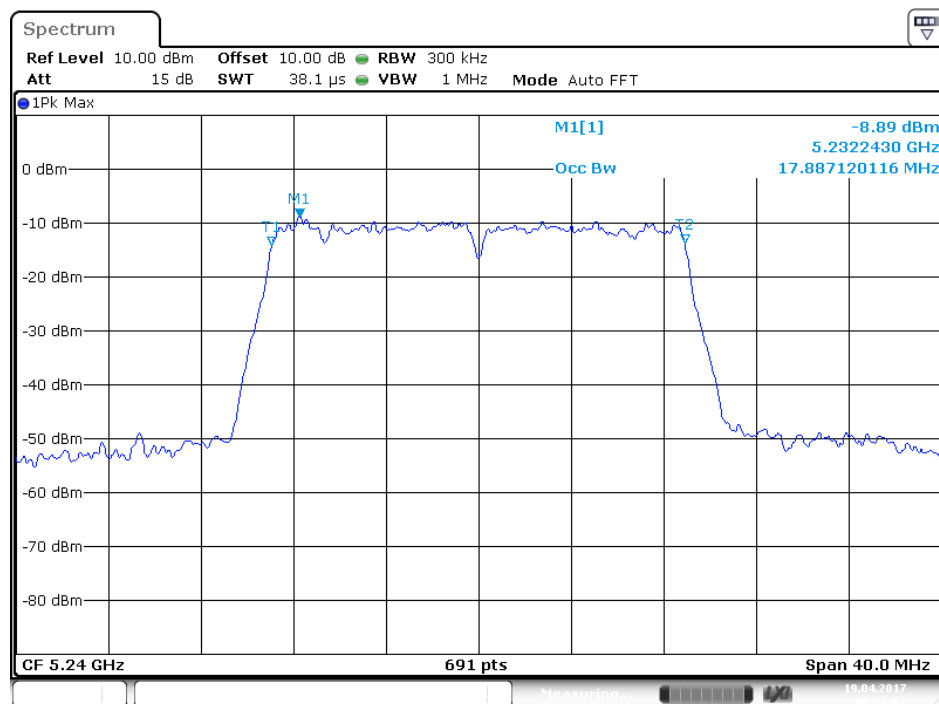
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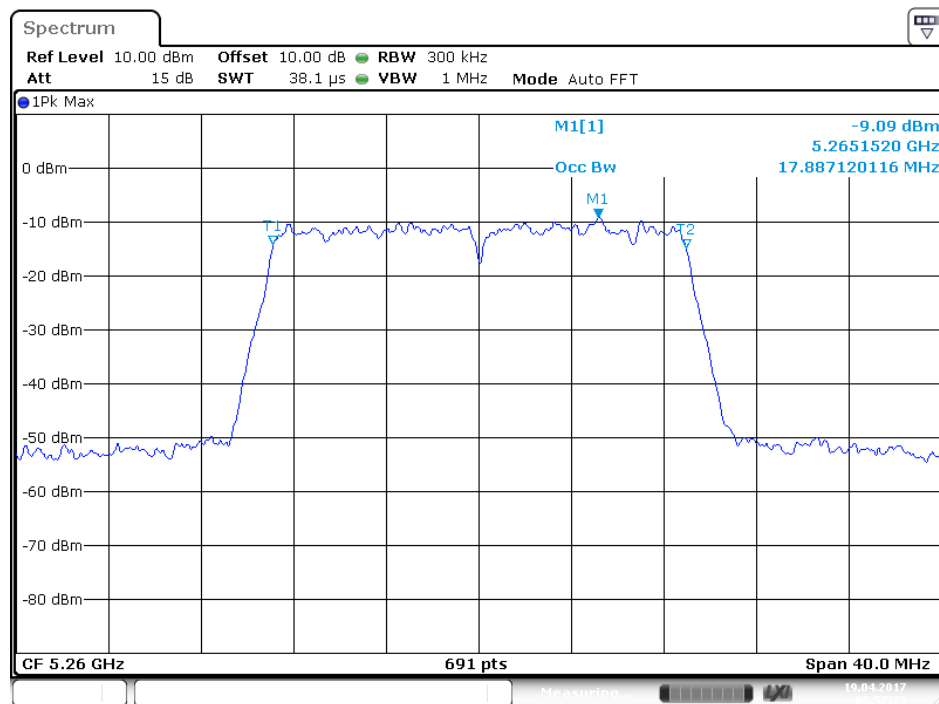
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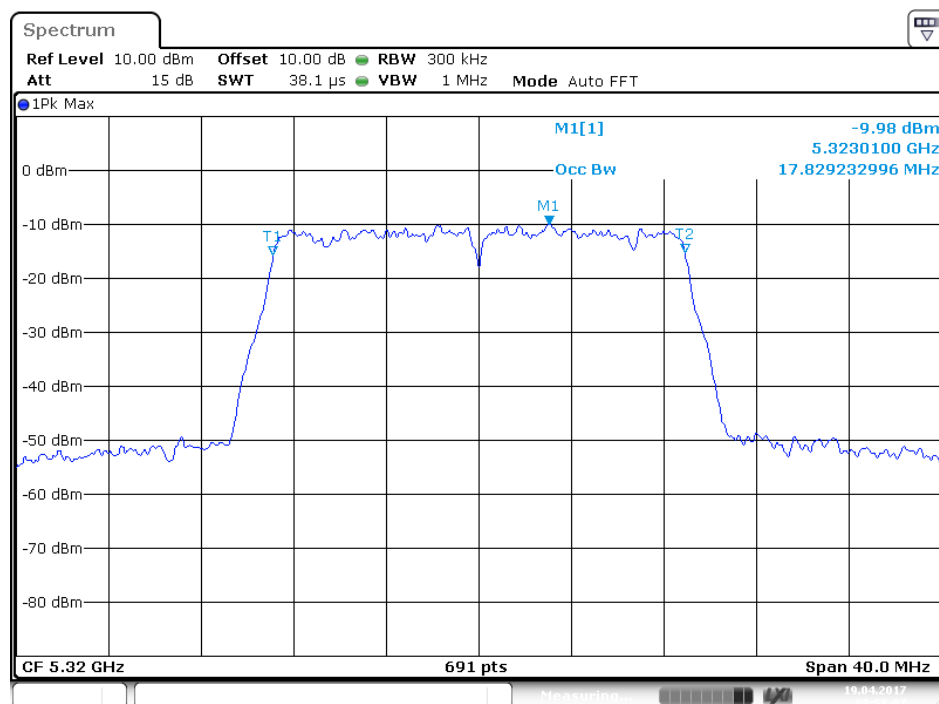
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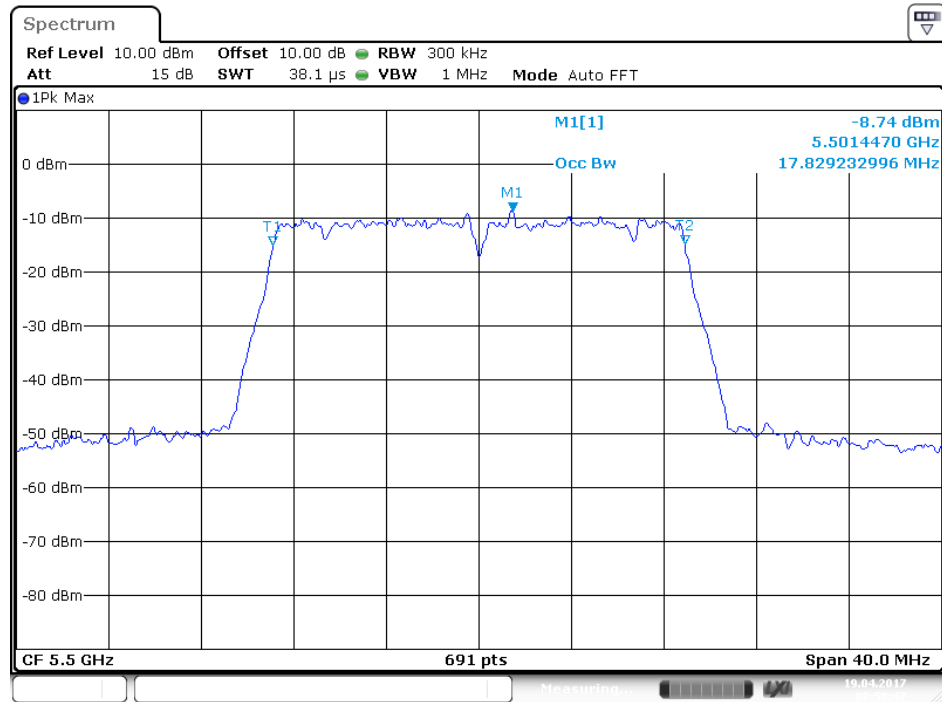
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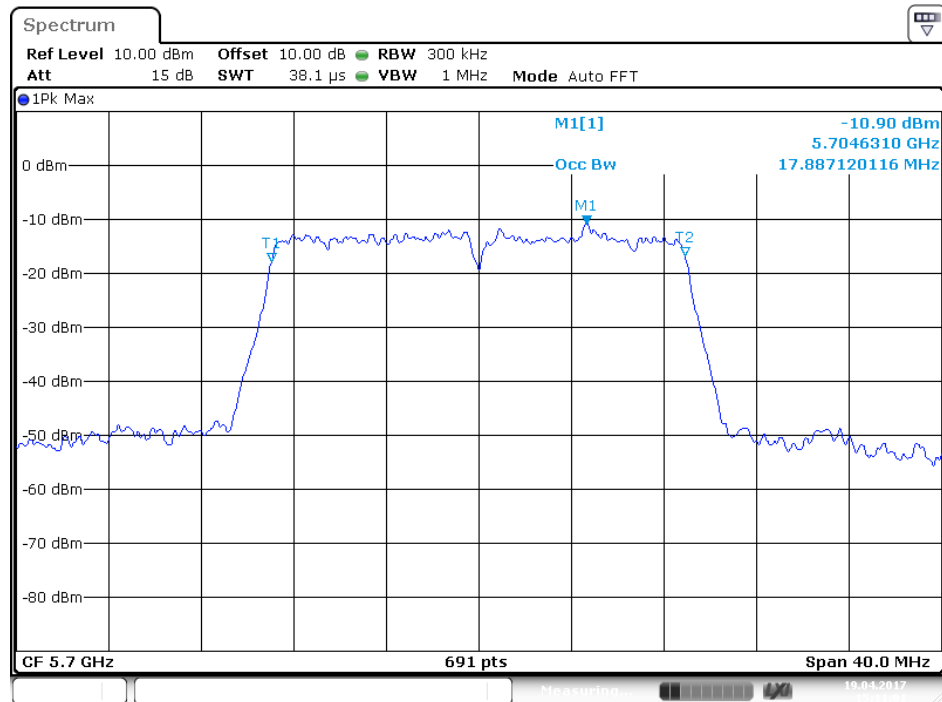
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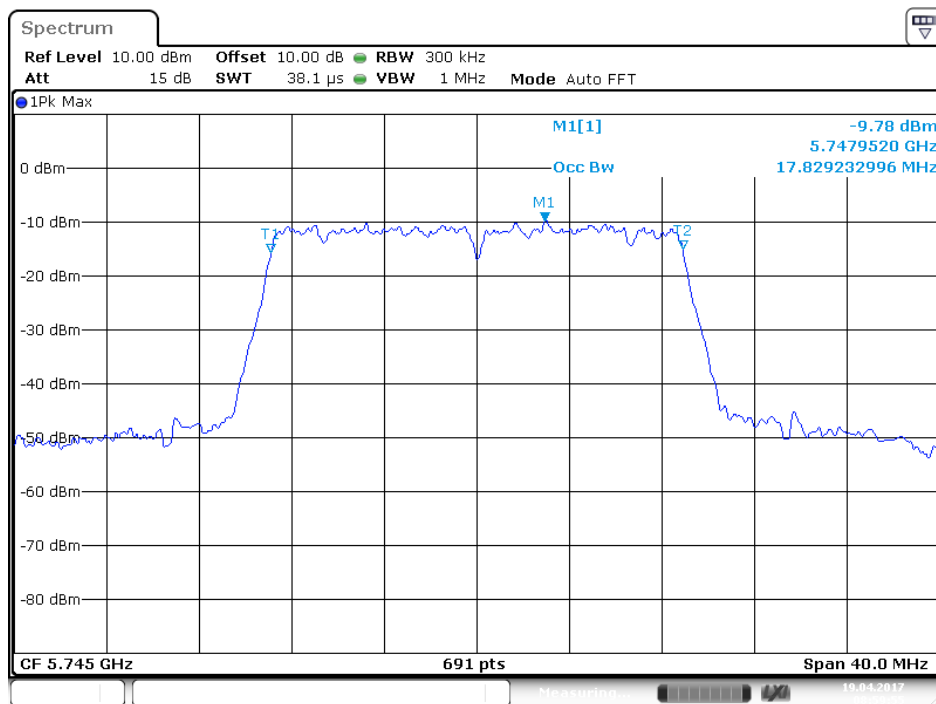
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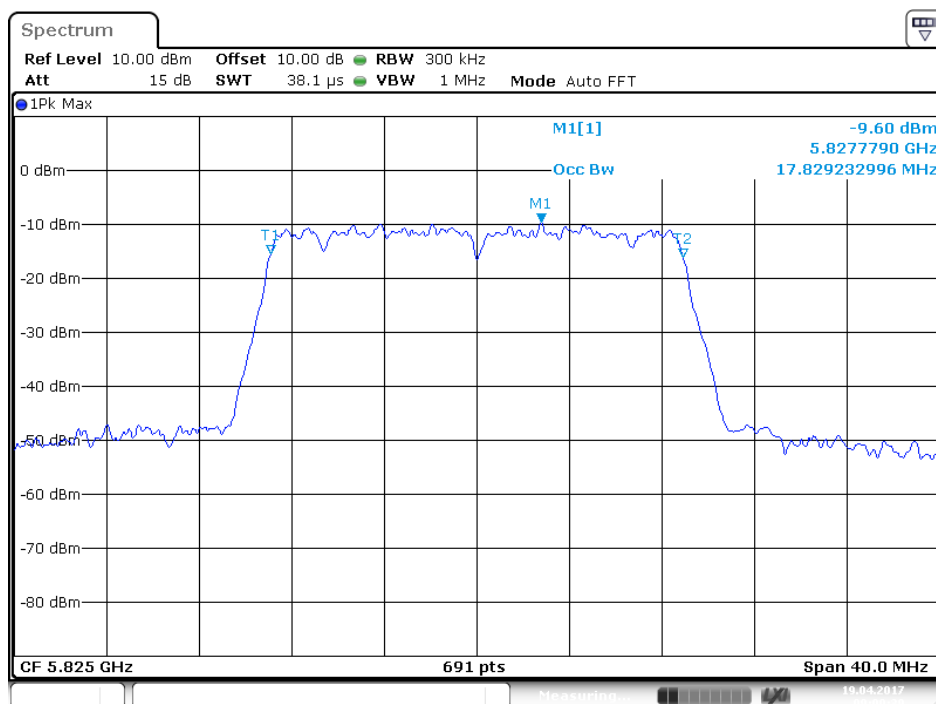
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Date: 19.APR.2017 15:11:01

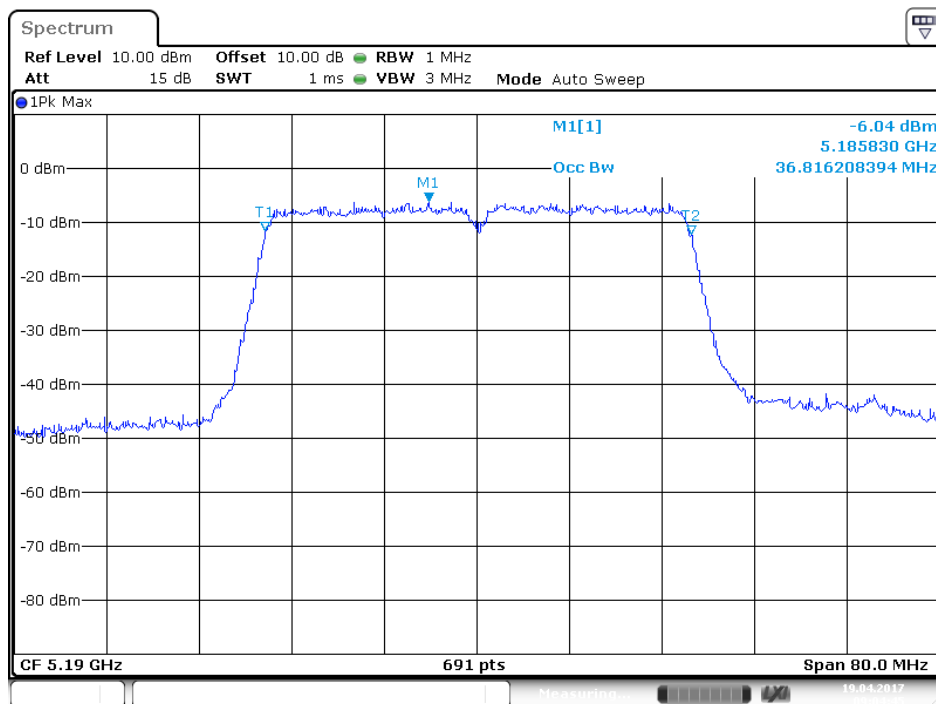


Date: 19.APR.2017 08:59:55

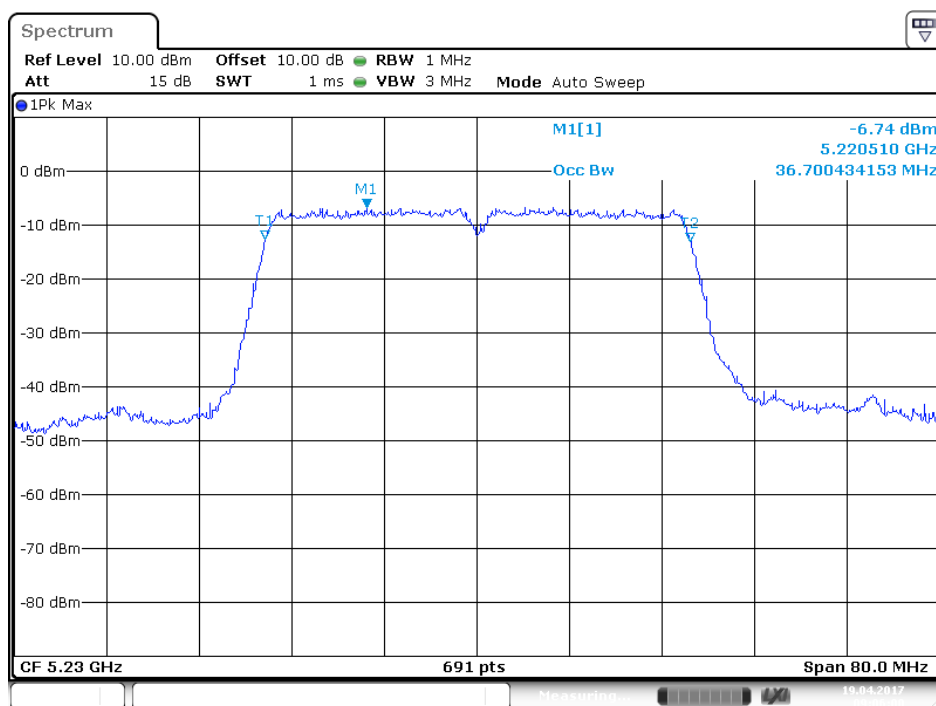


Date: 19.APR.2017 09:00:39

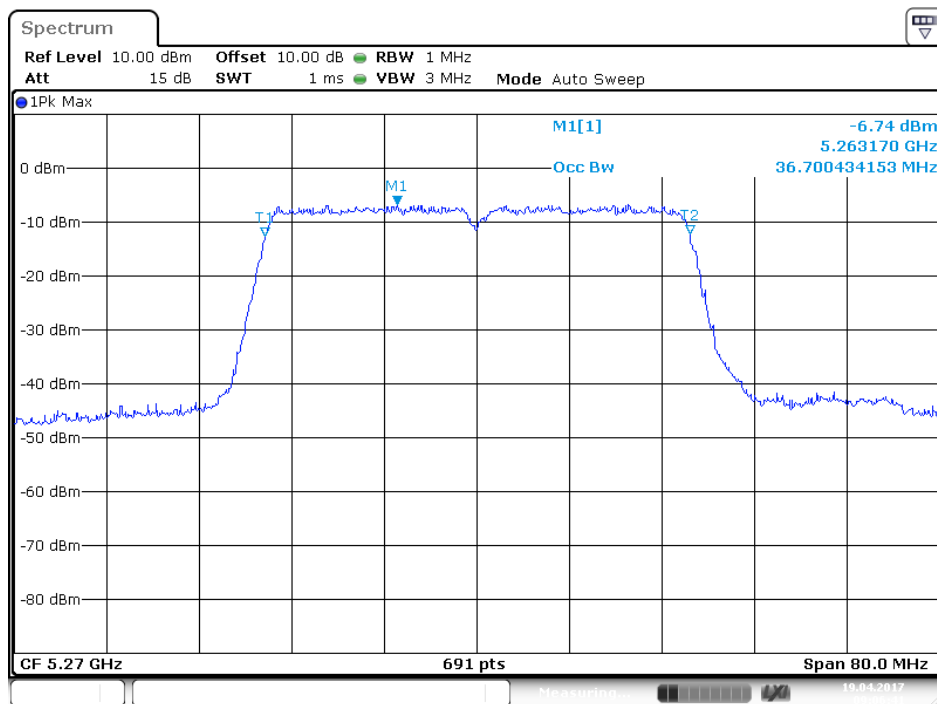
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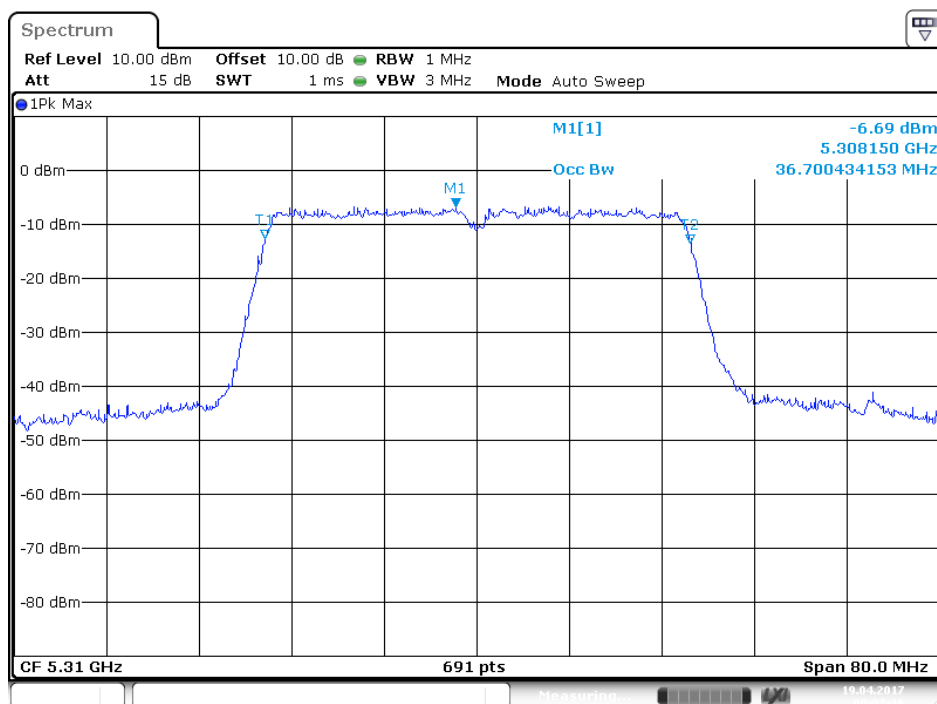
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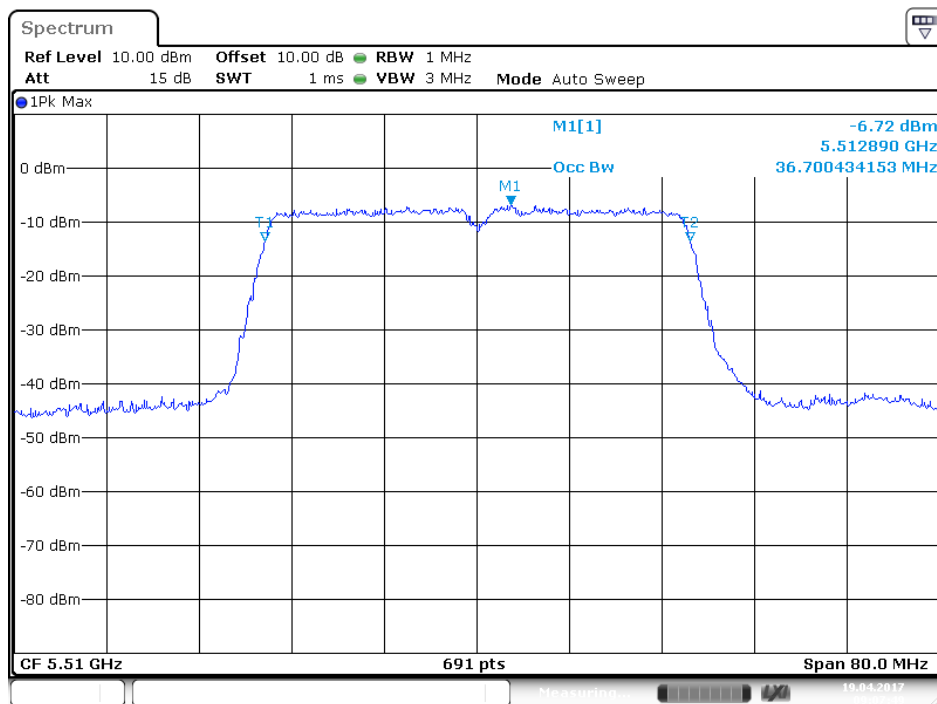
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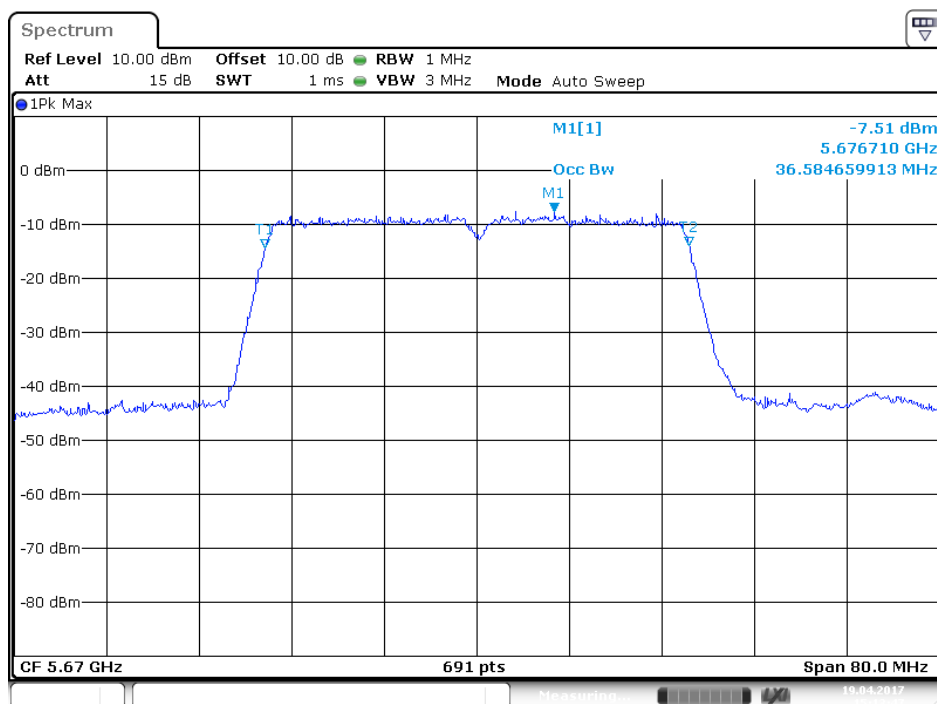
Date: 19.APR.2017 09:06:41



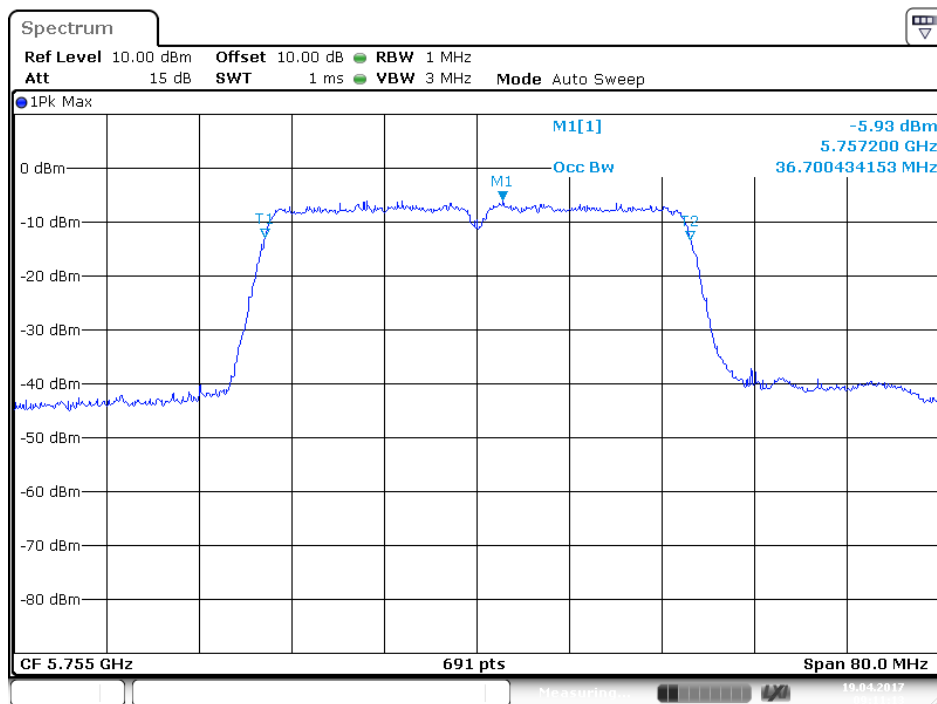
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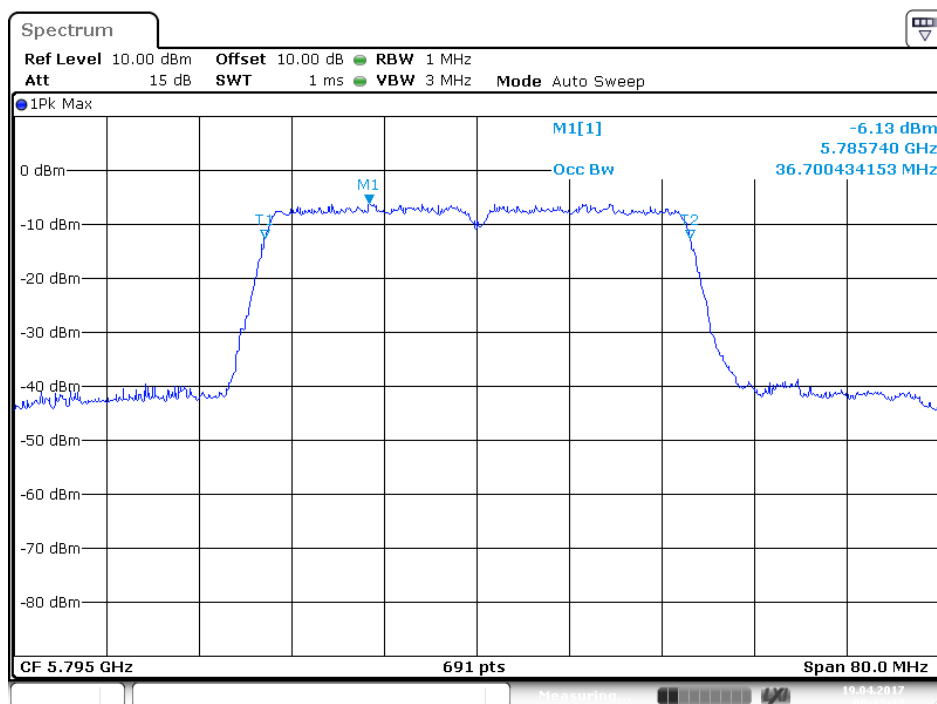
Date: 19.APR.2017 09:07:49



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

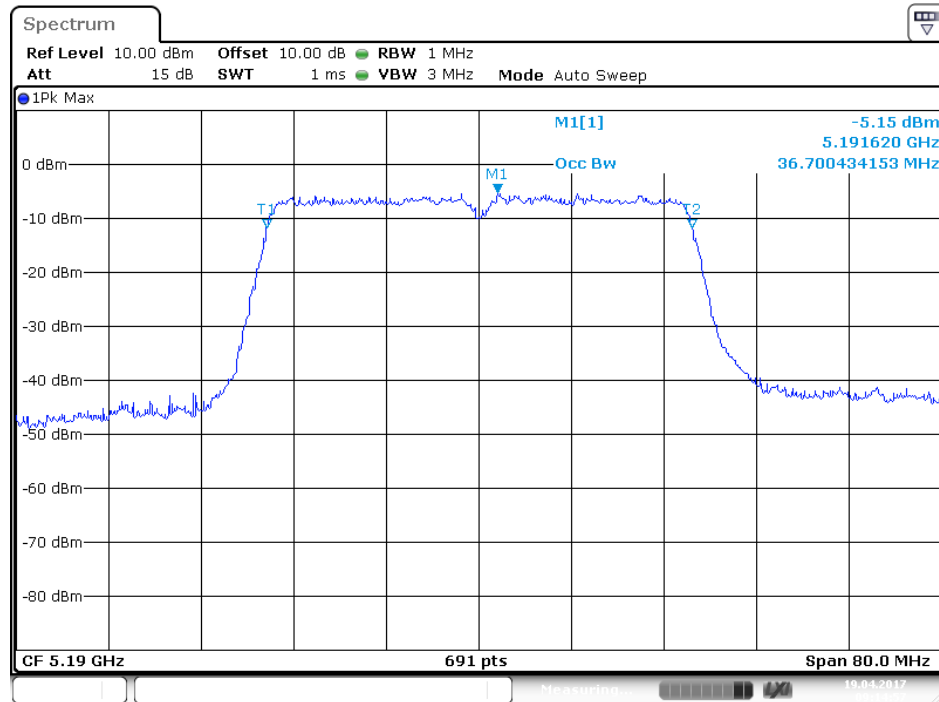


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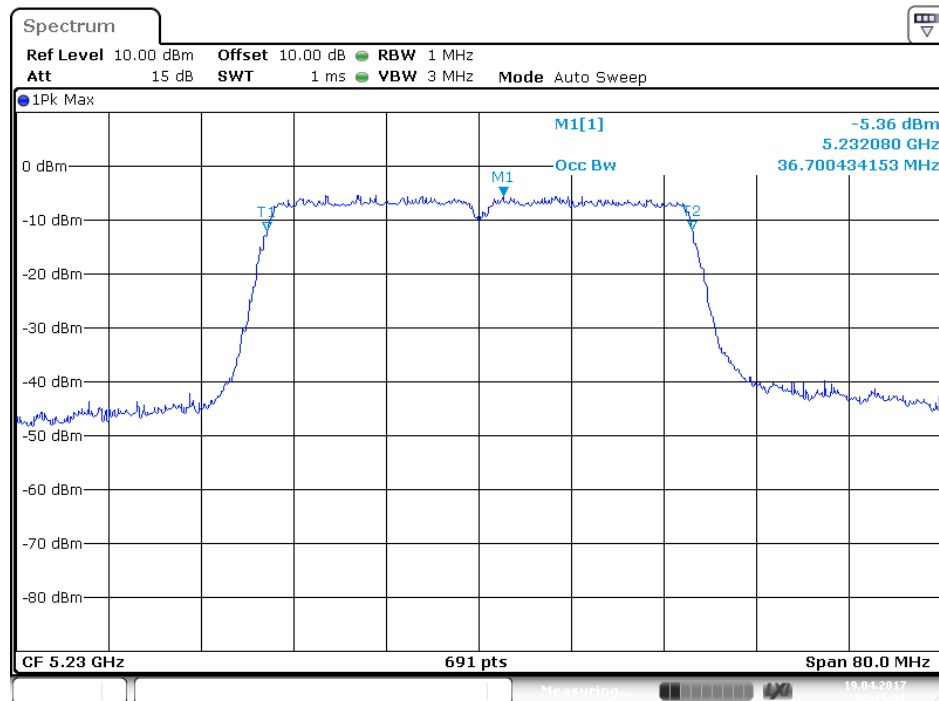


Date: 19.APR.2017 09:12:14

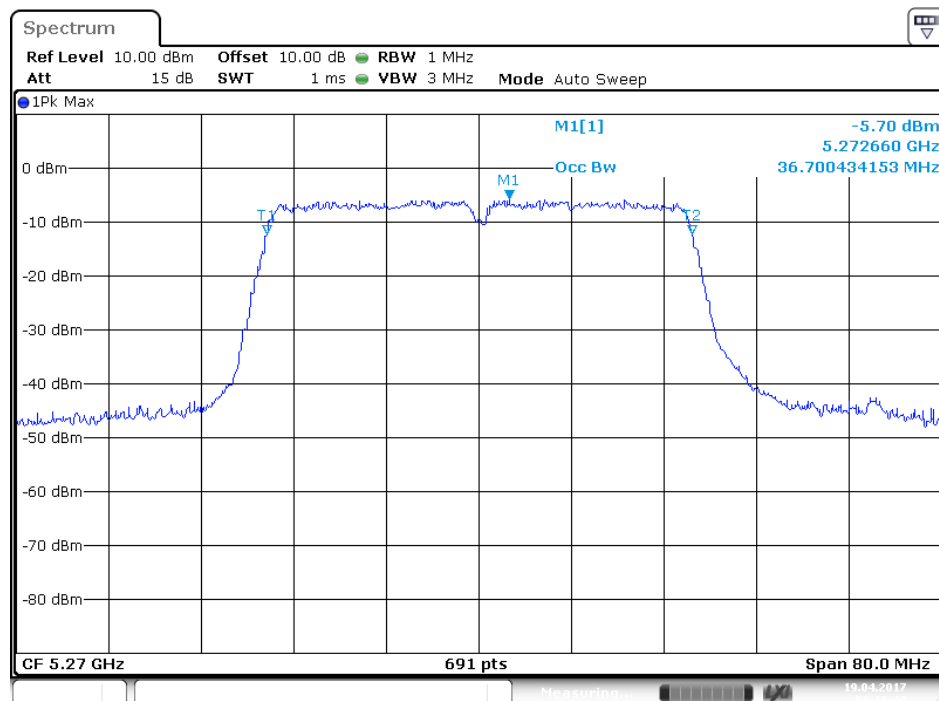
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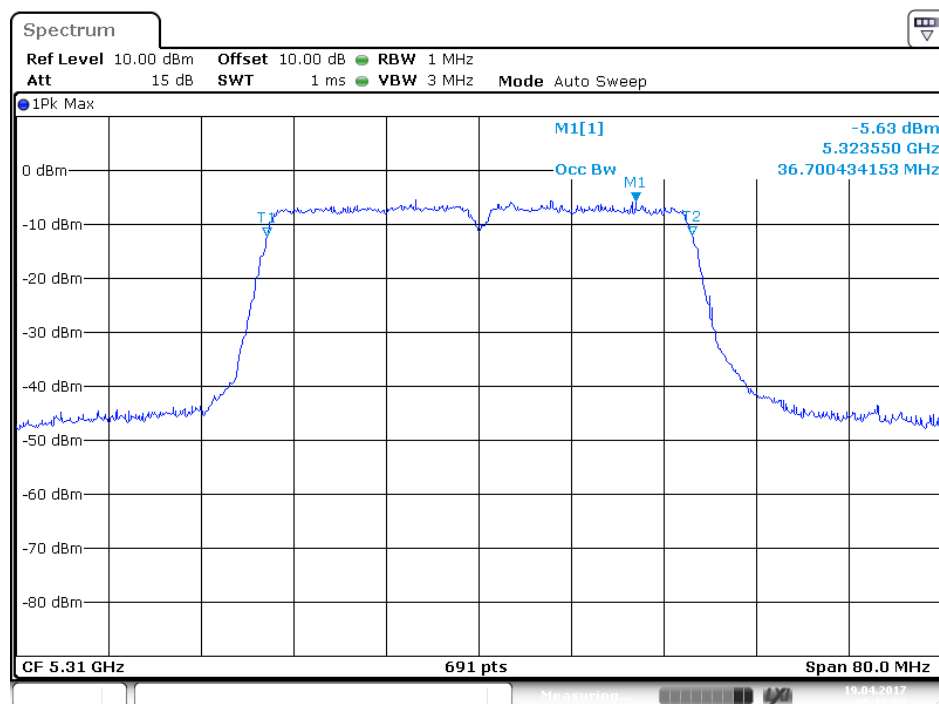
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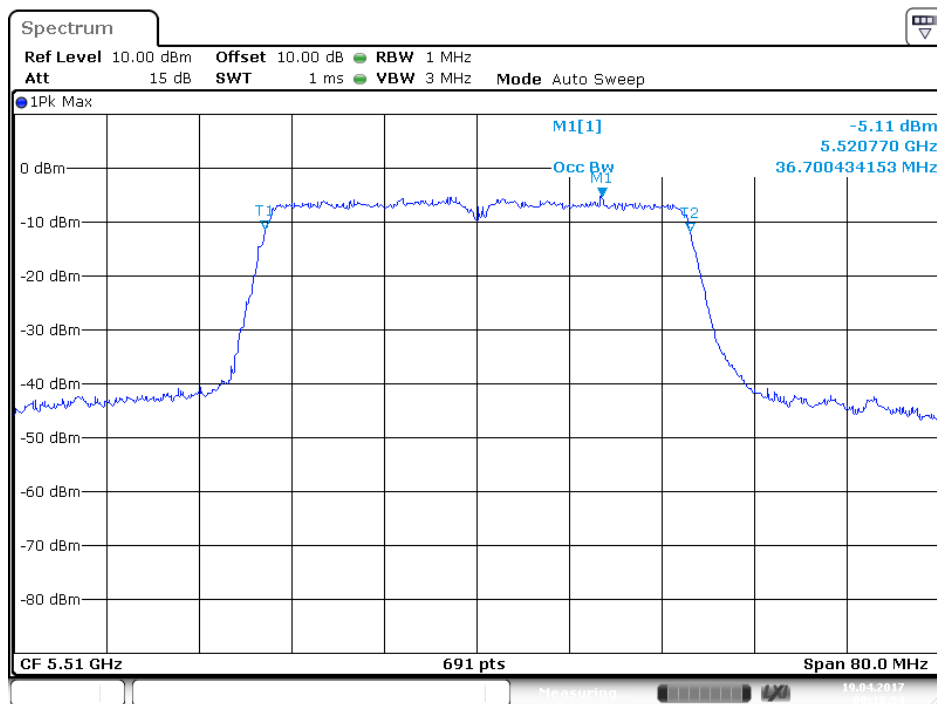
Date: 19.APR.2017 09:15:37



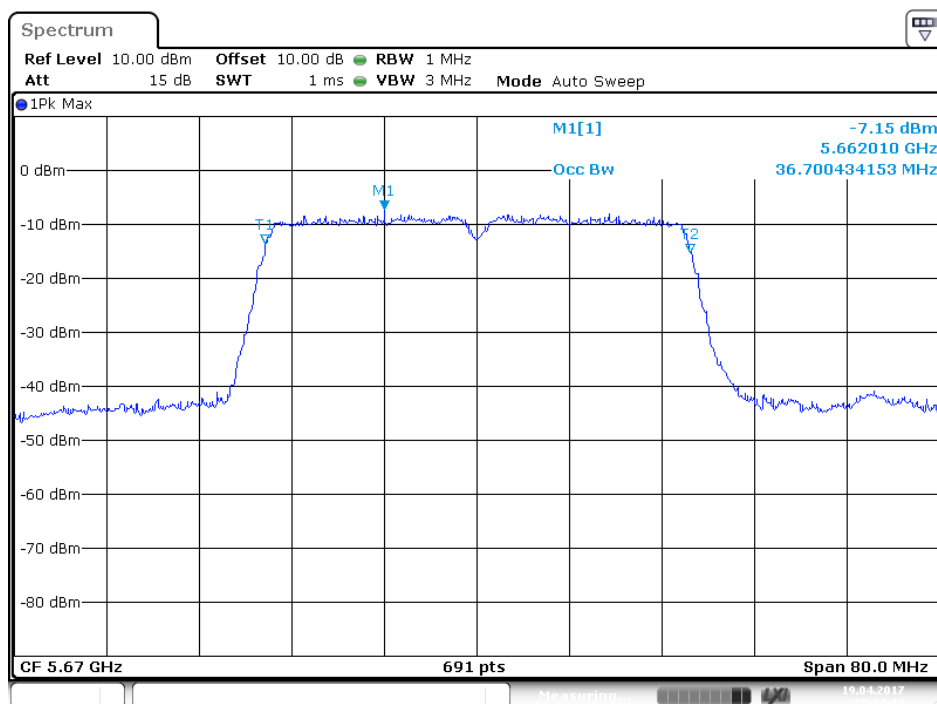
Date: 19.APR.2017 09:16:50



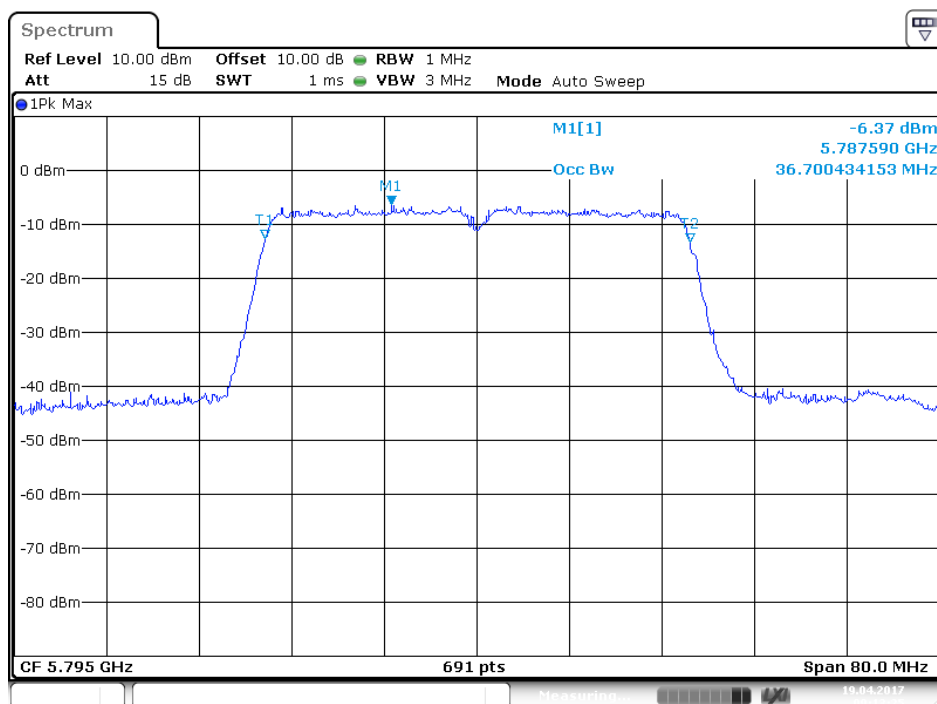
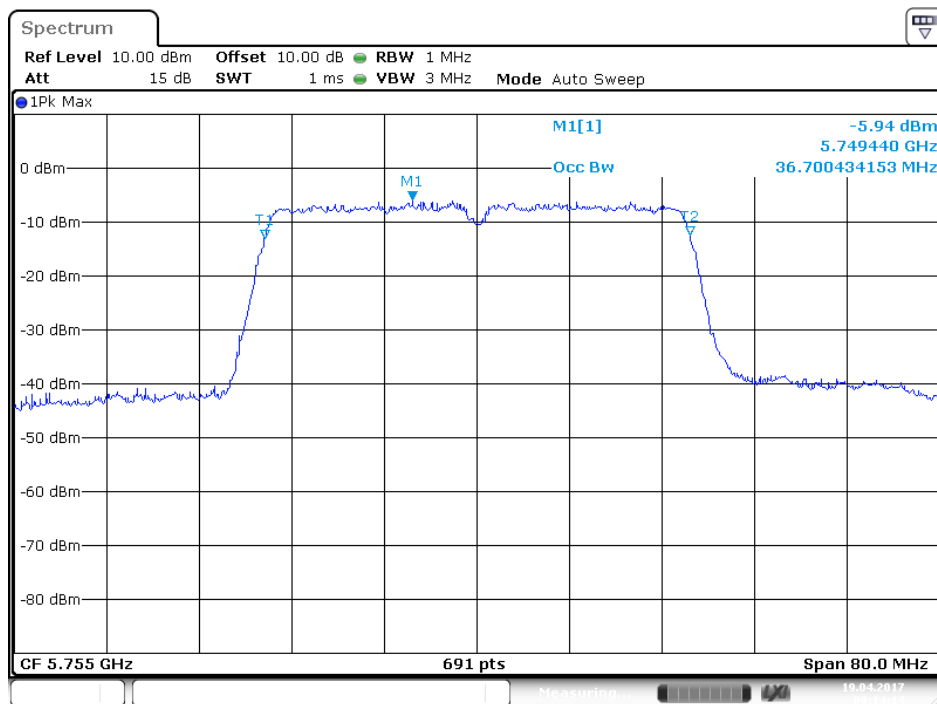
Date: 19.APR.2017 09:18:05



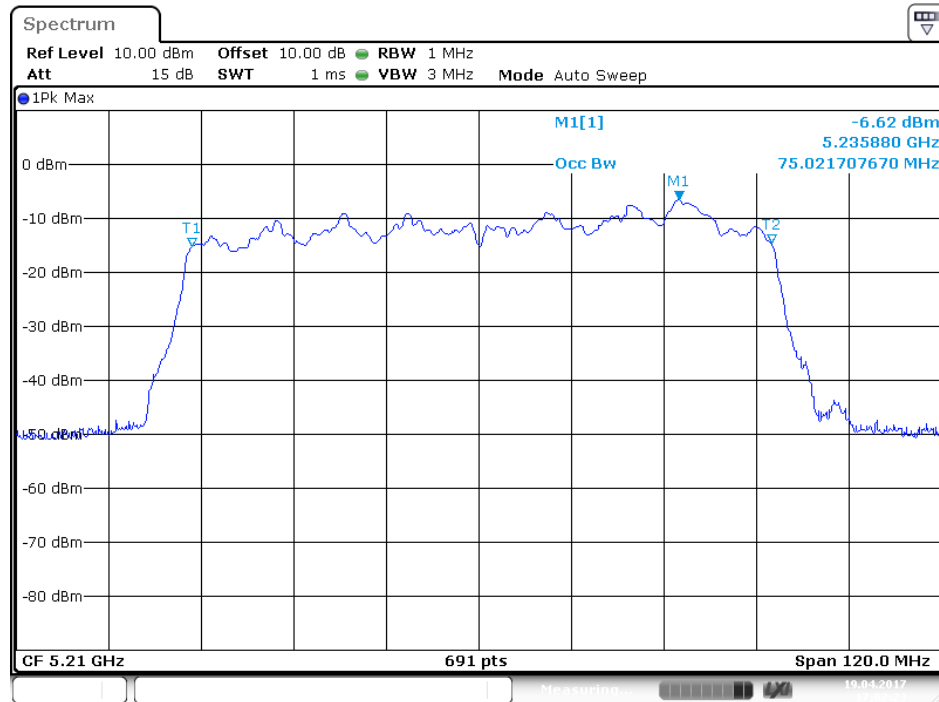
Date: 19.APR.2017 09:18:54



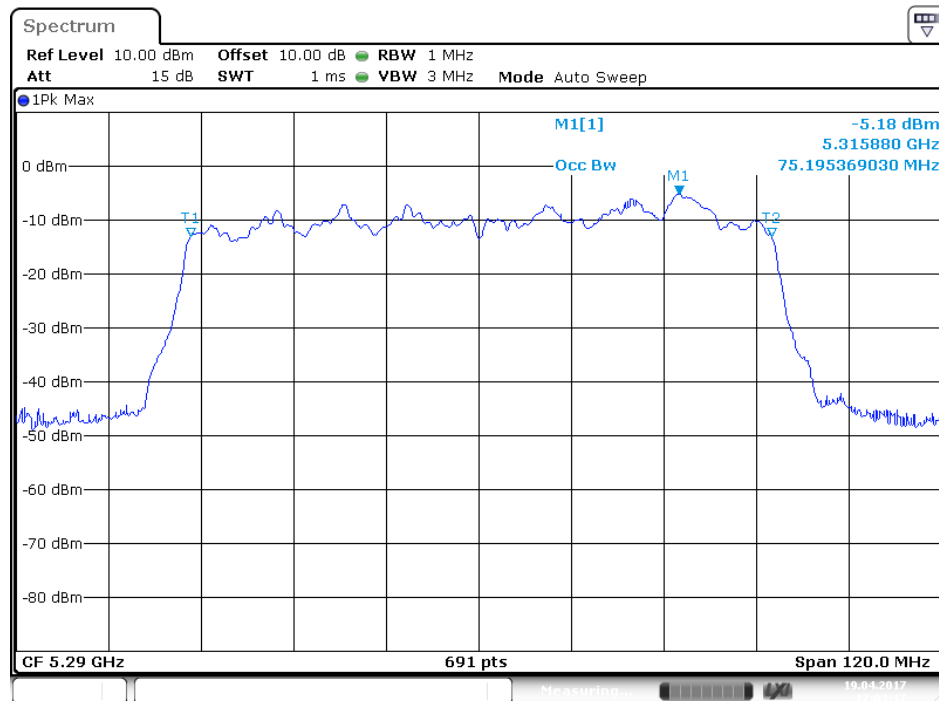
Date: 19.APR.2017 15:13:15



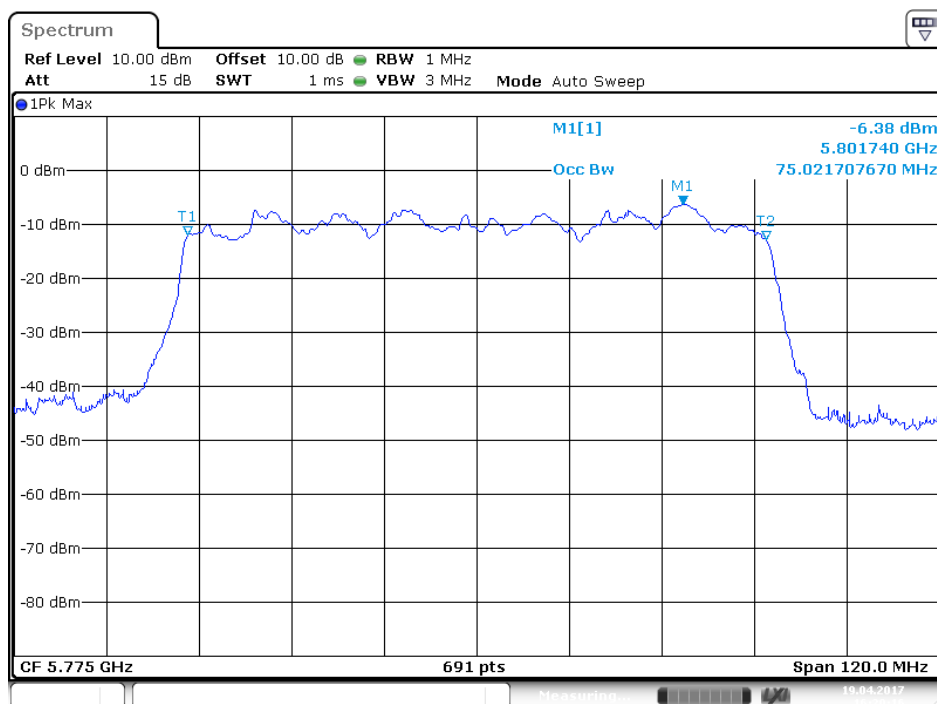
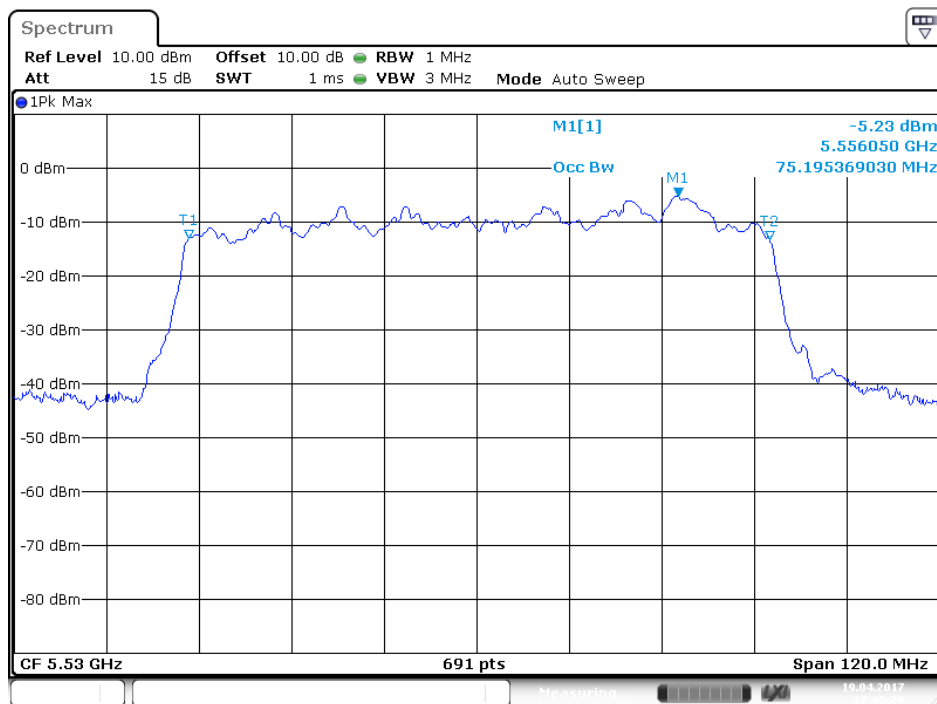
802.11ac80



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



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



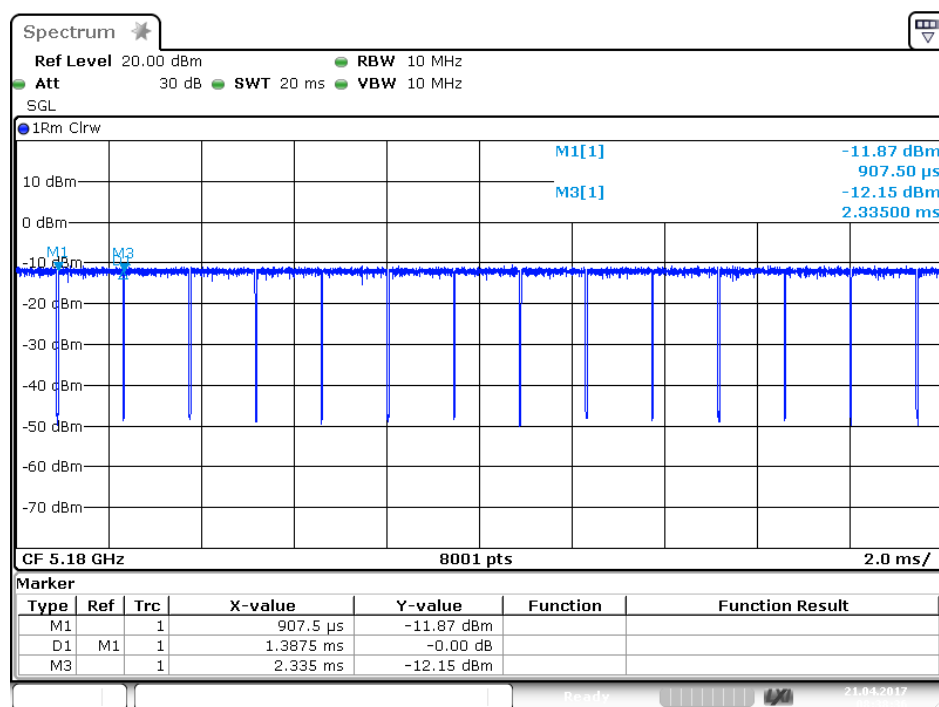
Duty cycle Test Result

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

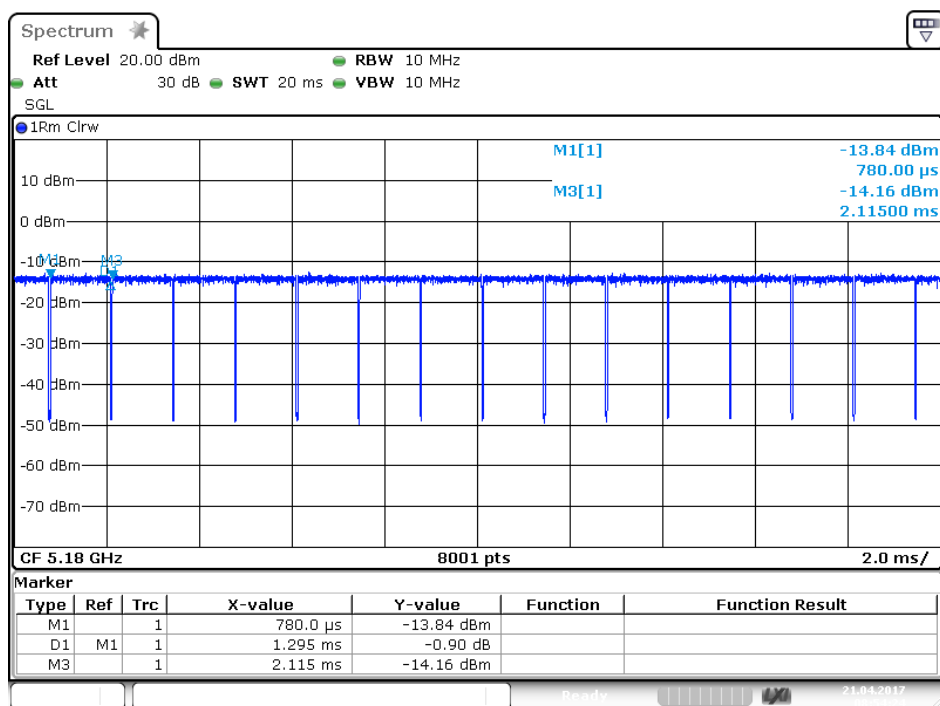
The spectrum analyzer plots are attached as below.

802.11a20 5180MHz



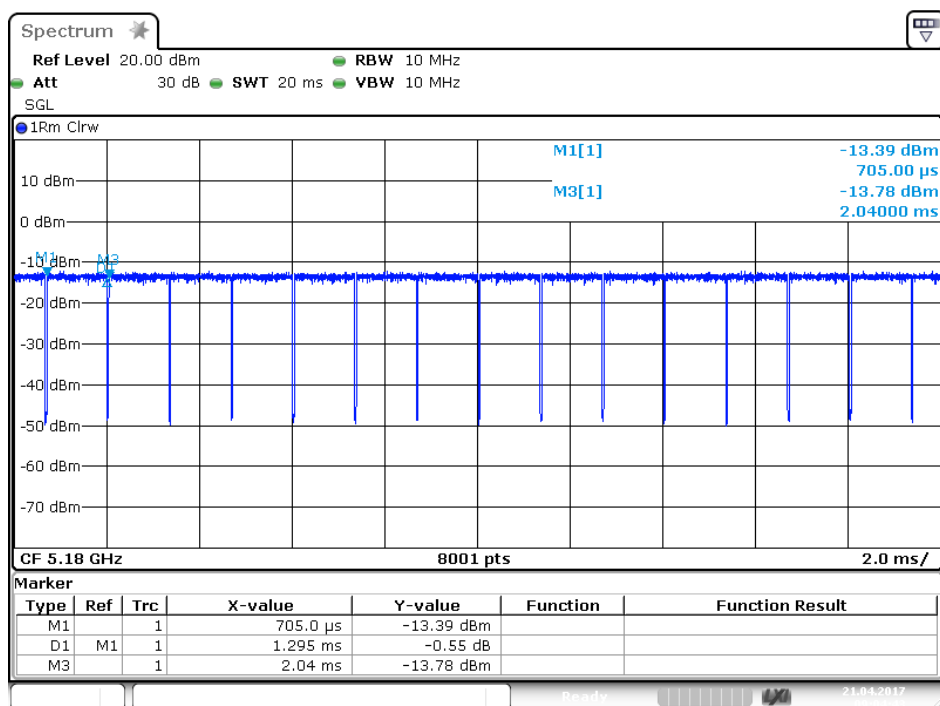
Date: 21.APR.2017 08:38:36

802.11n20 5180MHz



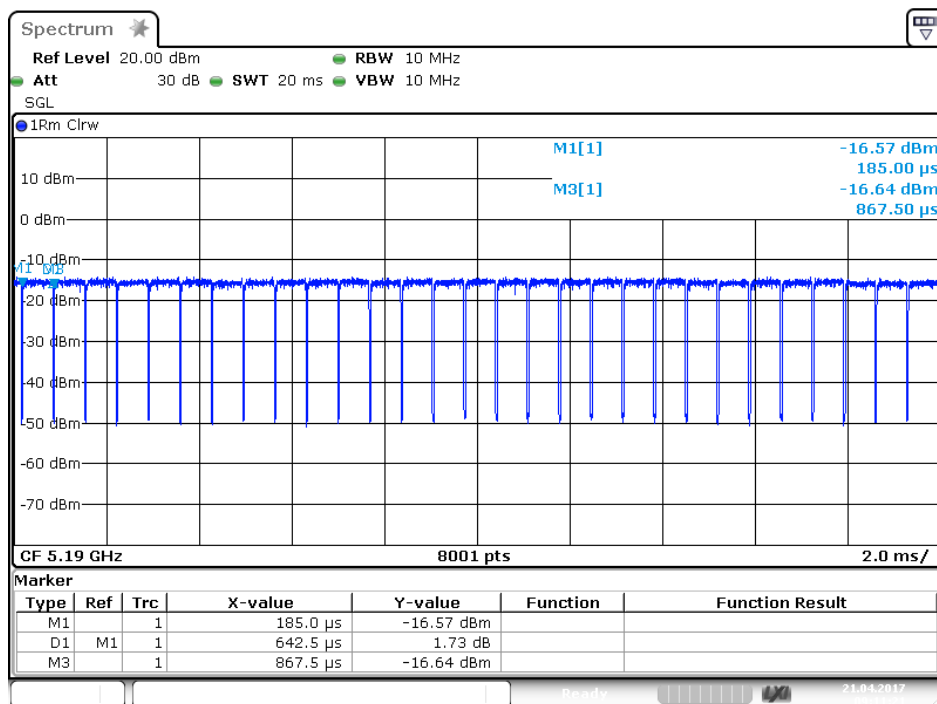
Date: 21.APR.2017 08:54:24

802.11ac20 5180MHz



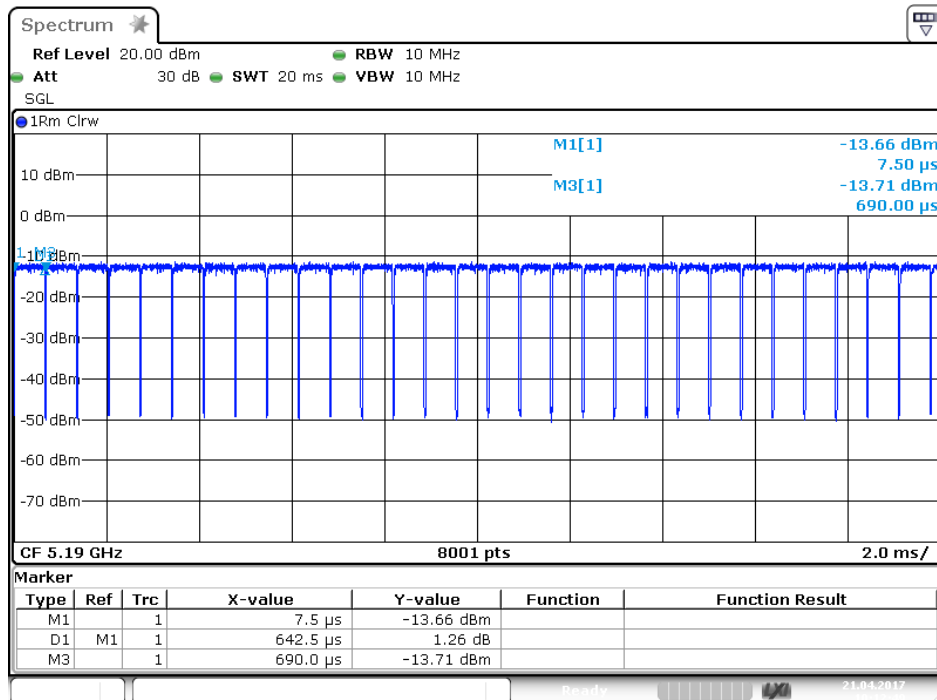
Date: 21.APR.2017 09:04:43

802.11n40 5190MHz



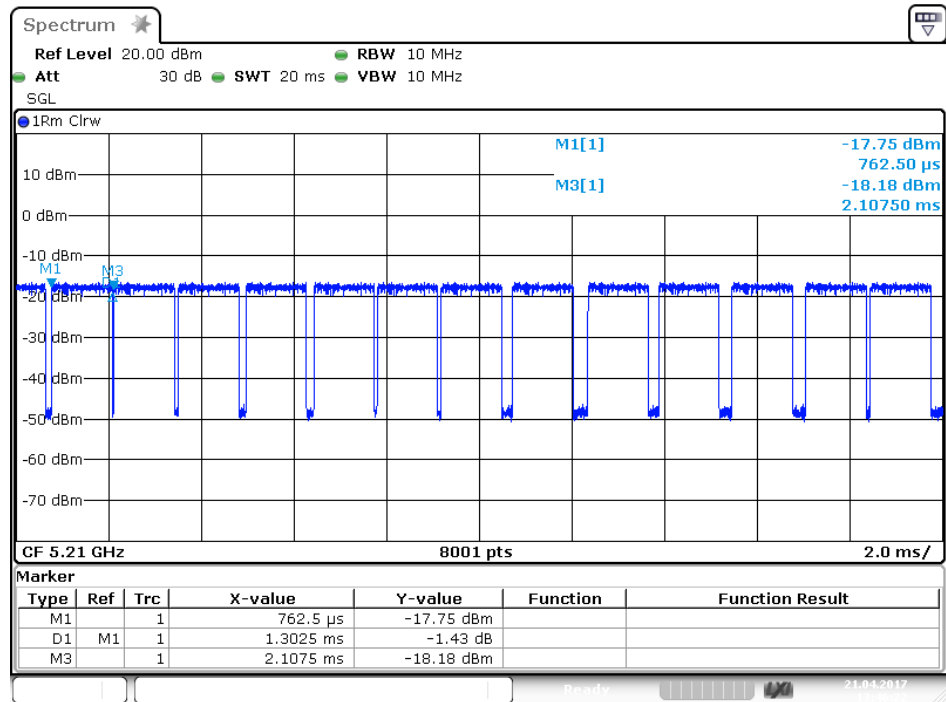
Date: 21.APR.2017 09:11:21

802.11ac40 5190MHz



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

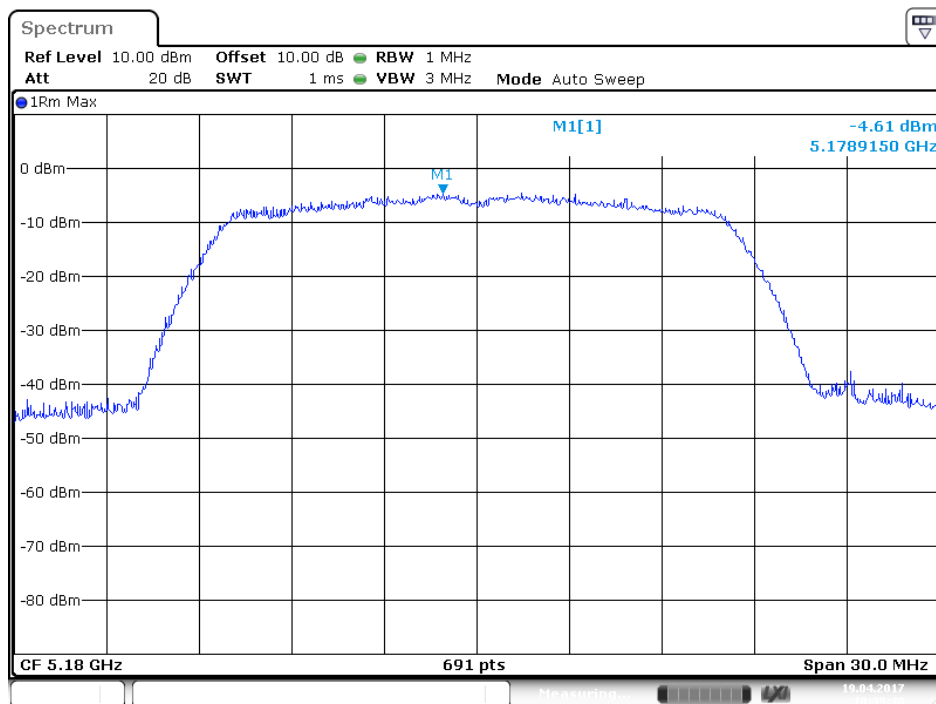
802.11ac80 5210MHz



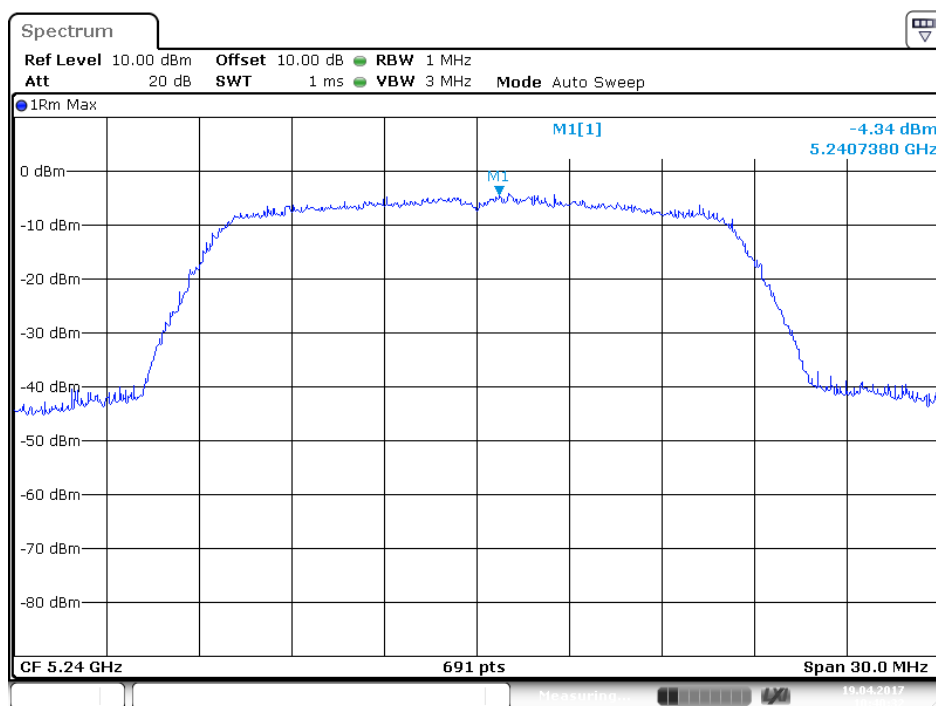
Date: 21.APR.2017 13:46:22

Power Spectral Density Test Result

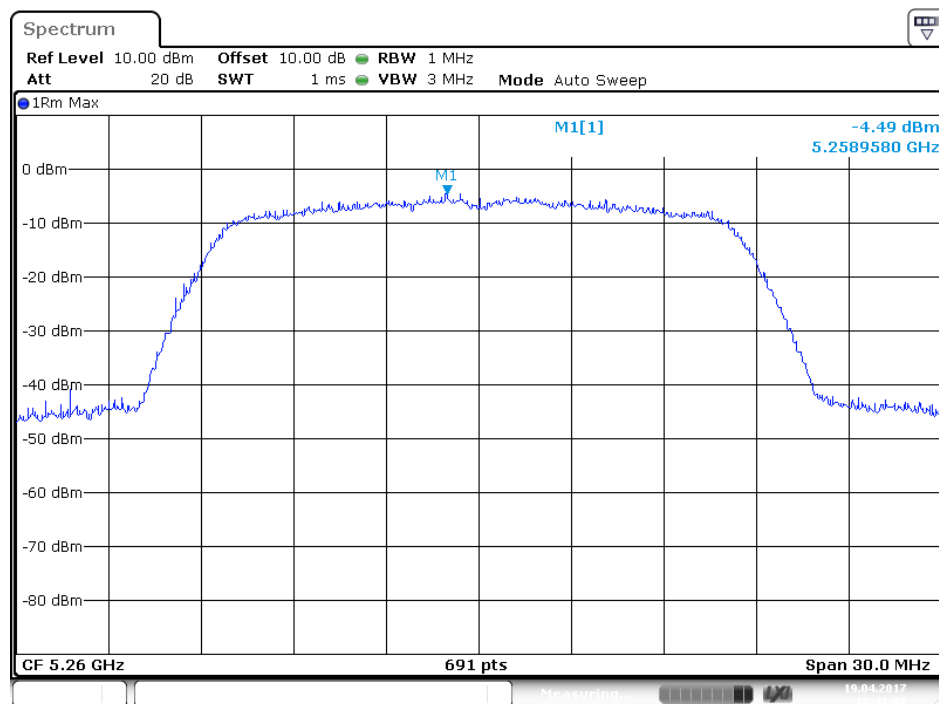
802.11A



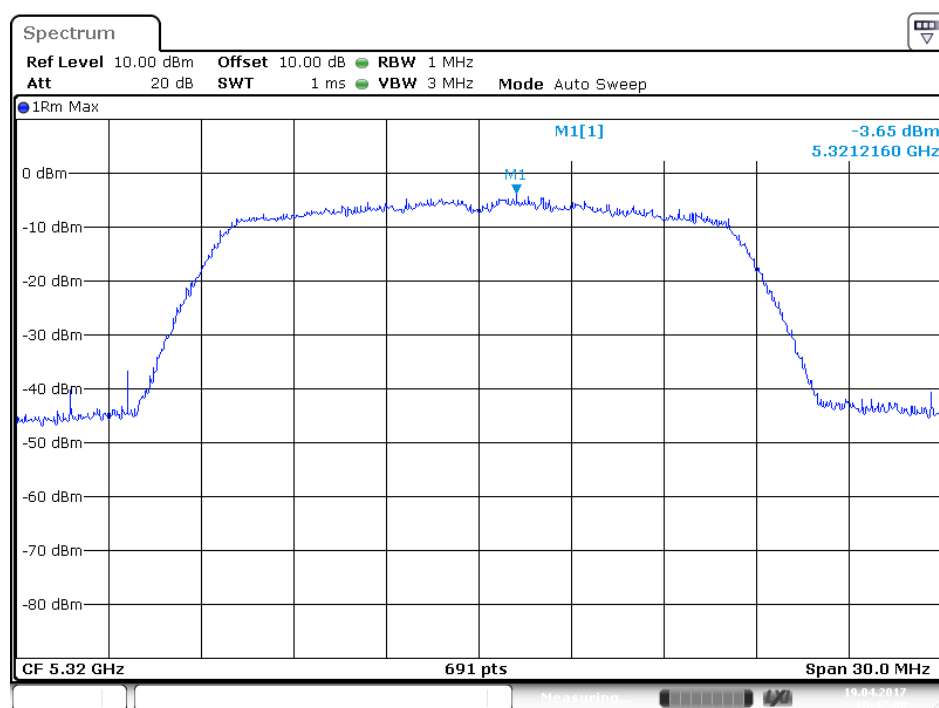
Date: 19.APR.2017 10:39:48



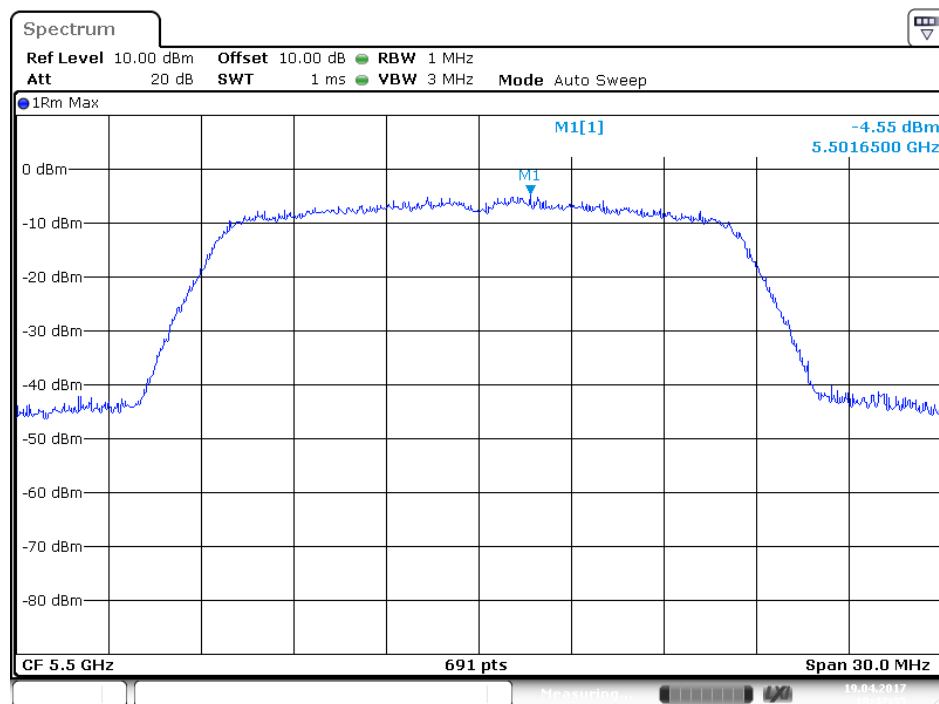
Date: 19.APR.2017 10:40:32



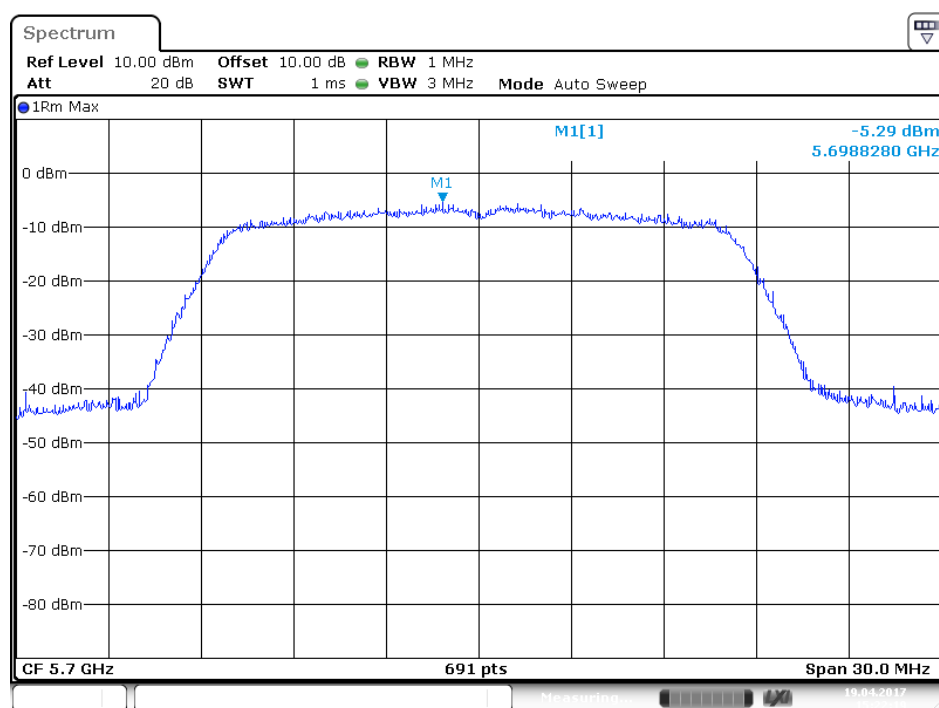
Date: 19.APR.2017 10:41:07



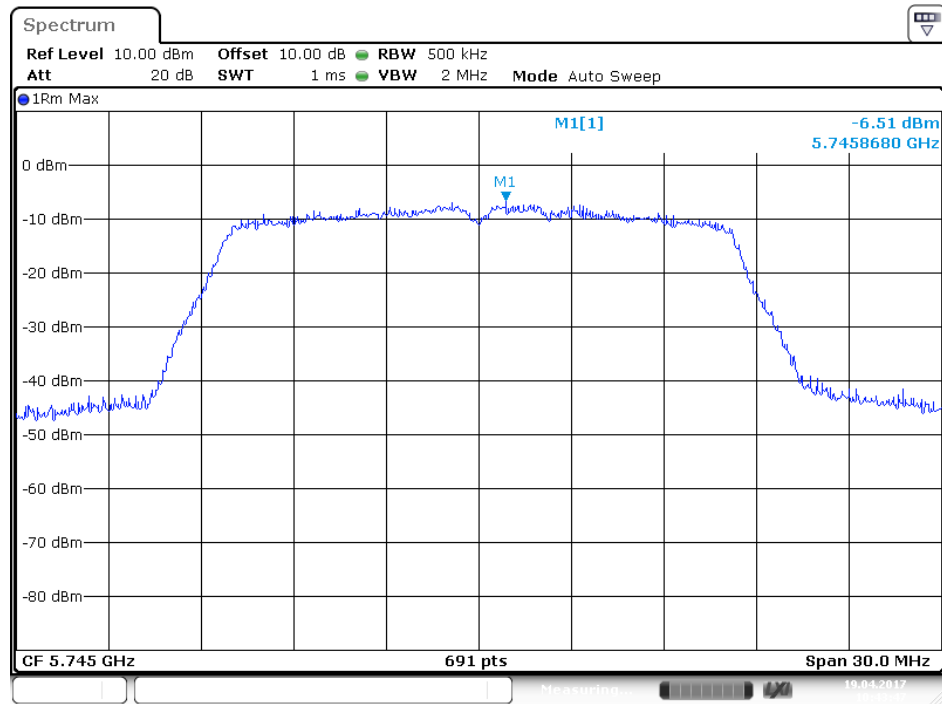
Date: 19.APR.2017 10:42:00



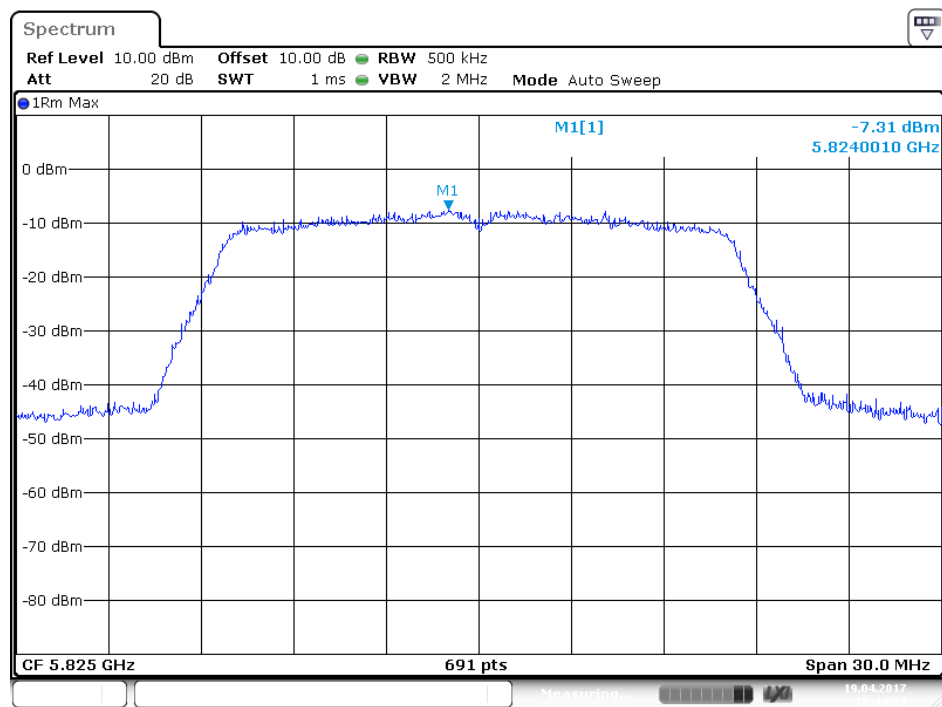
Date: 19.APR.2017 10:42:35



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

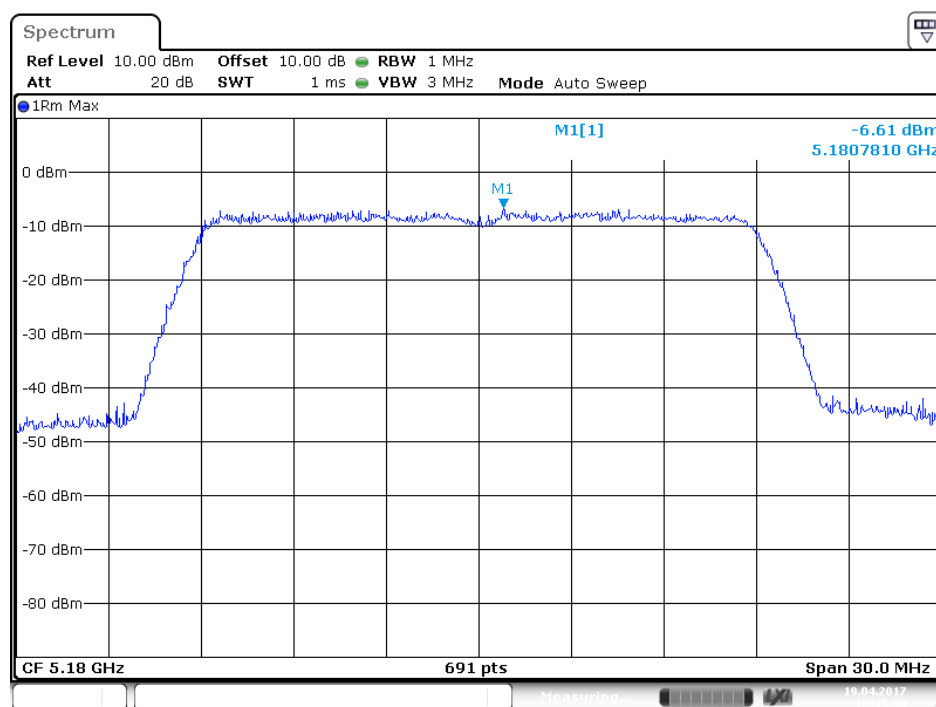


Date: 19.APR.2017 10:43:47

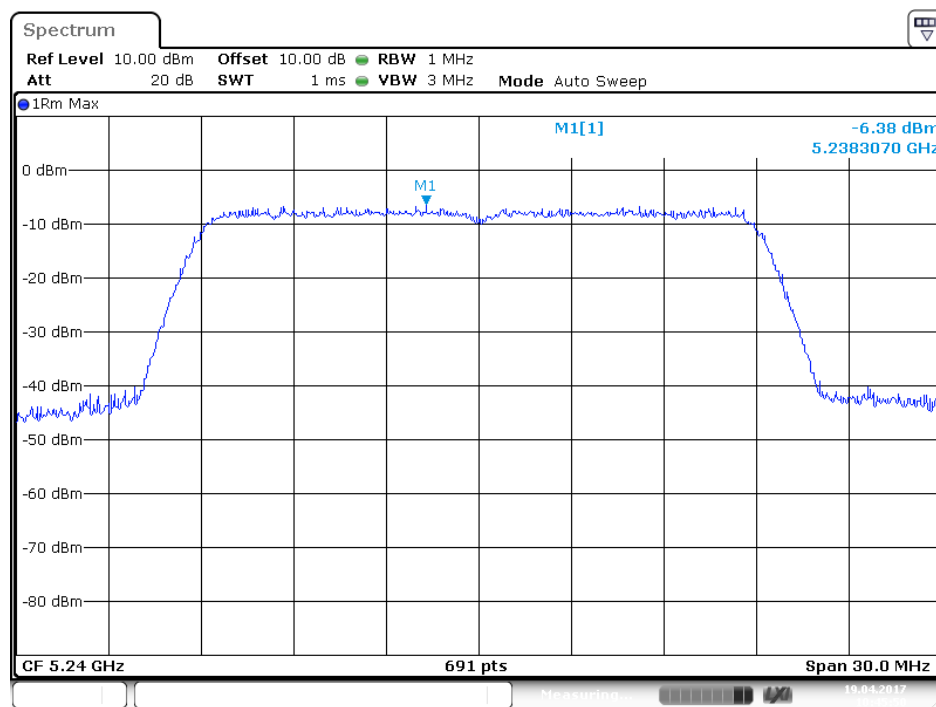


Date: 19.APR.2017 10:44:24

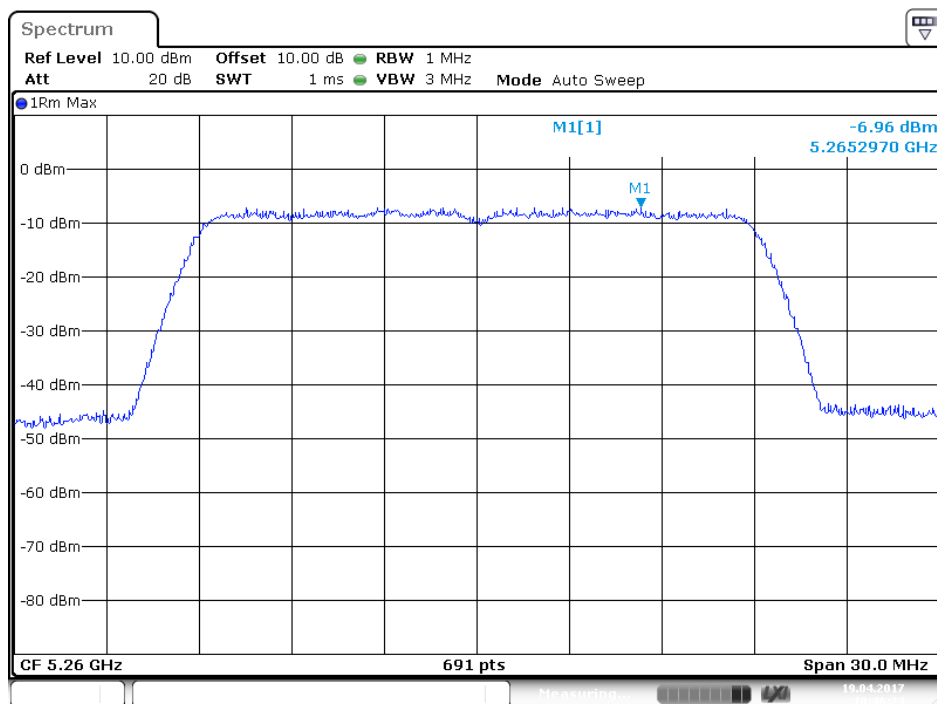
802.11N20



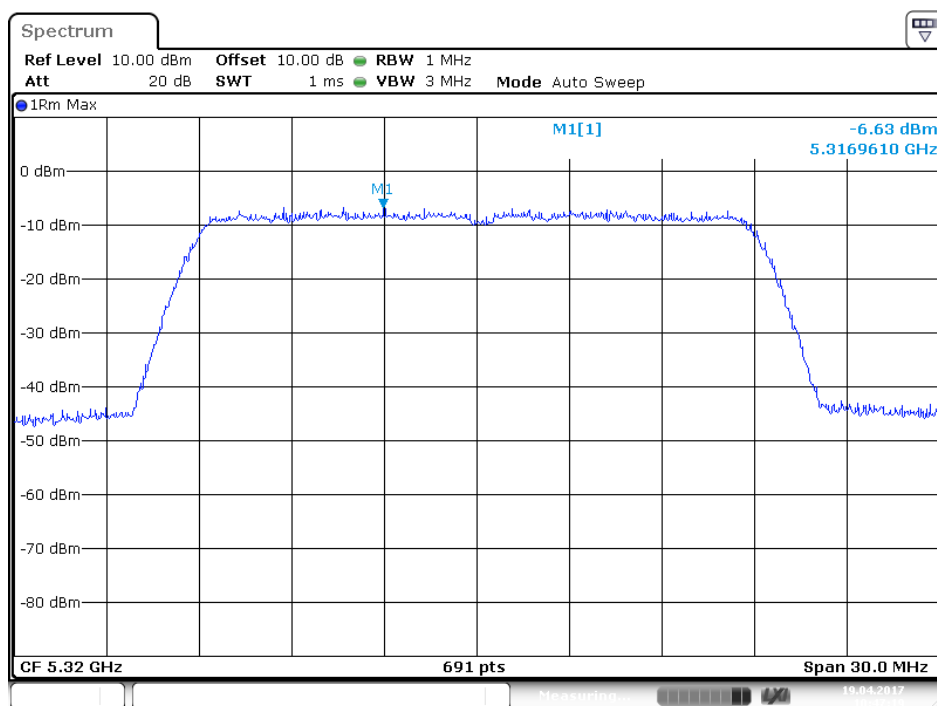
Date: 19.APR.2017 10:45:09



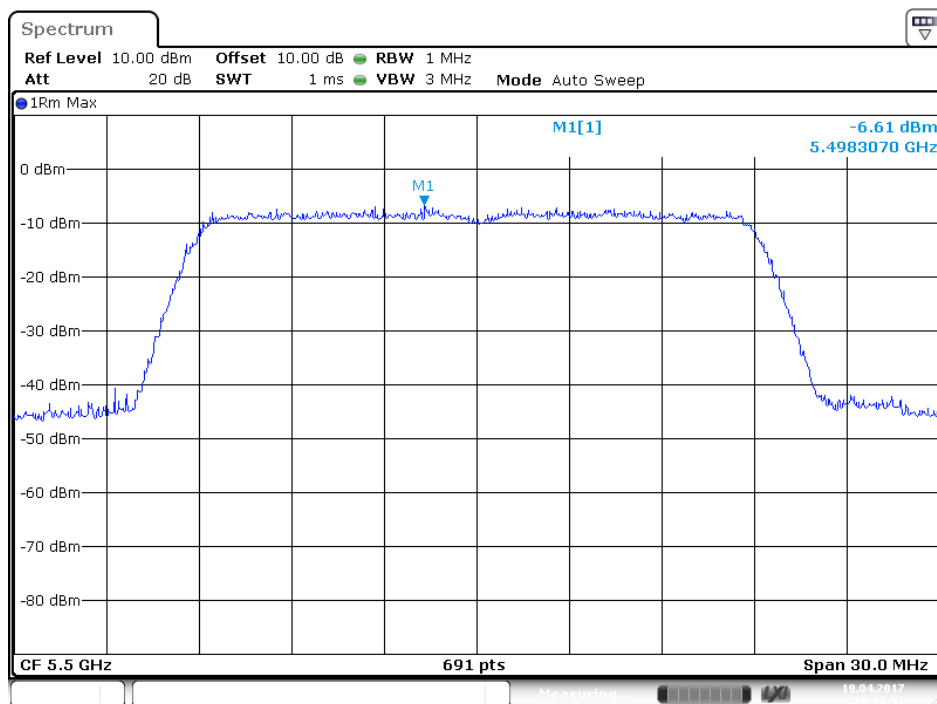
Date: 19.APR.2017 10:45:50



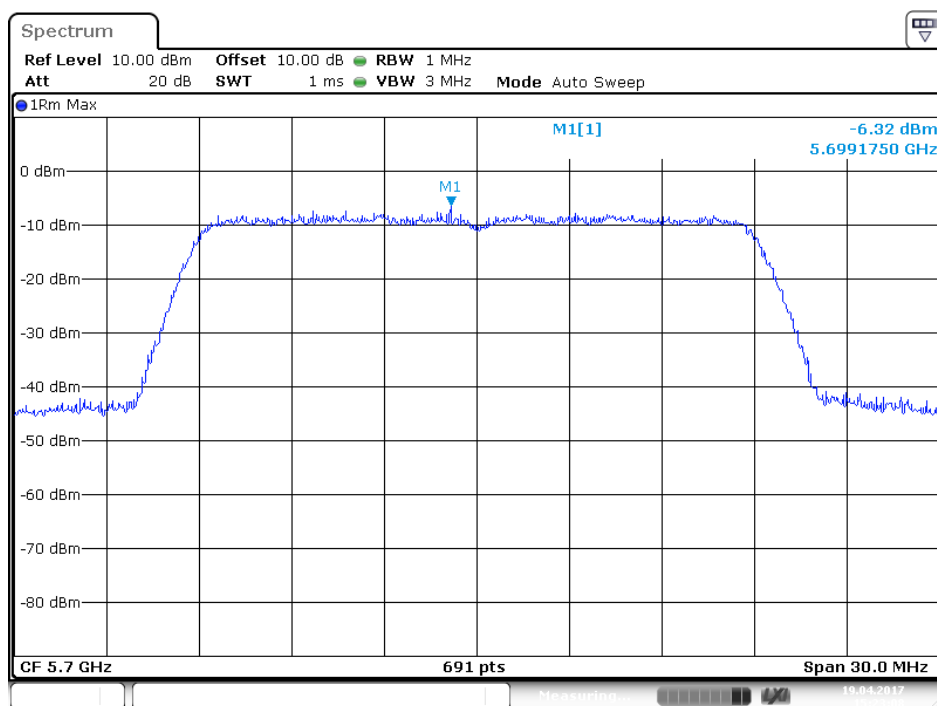
Date: 19.APR.2017 10:46:25



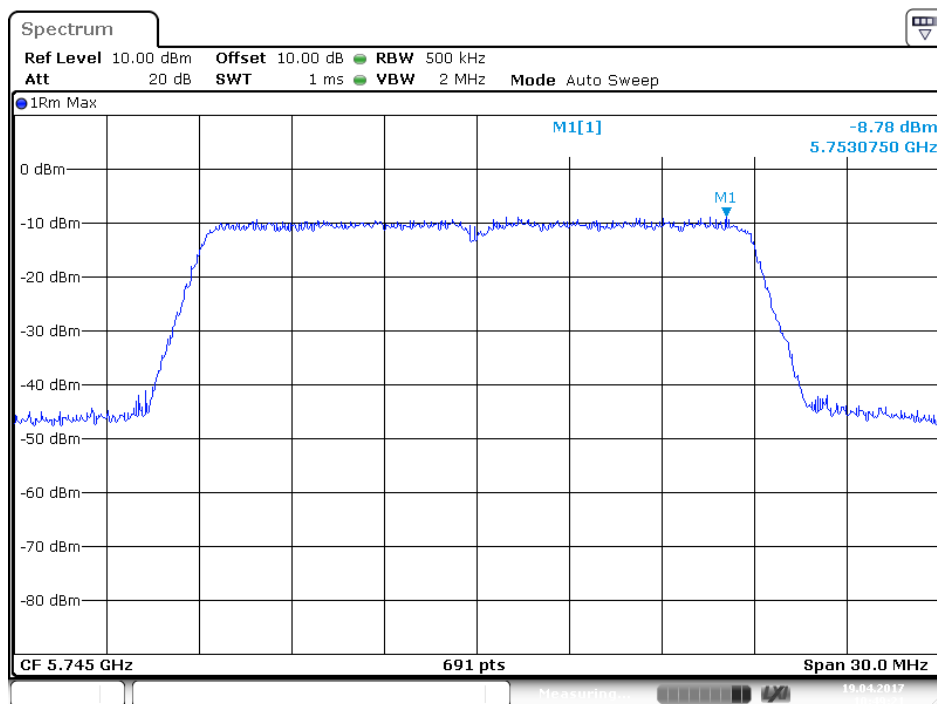
Date: 19.APR.2017 10:47:19



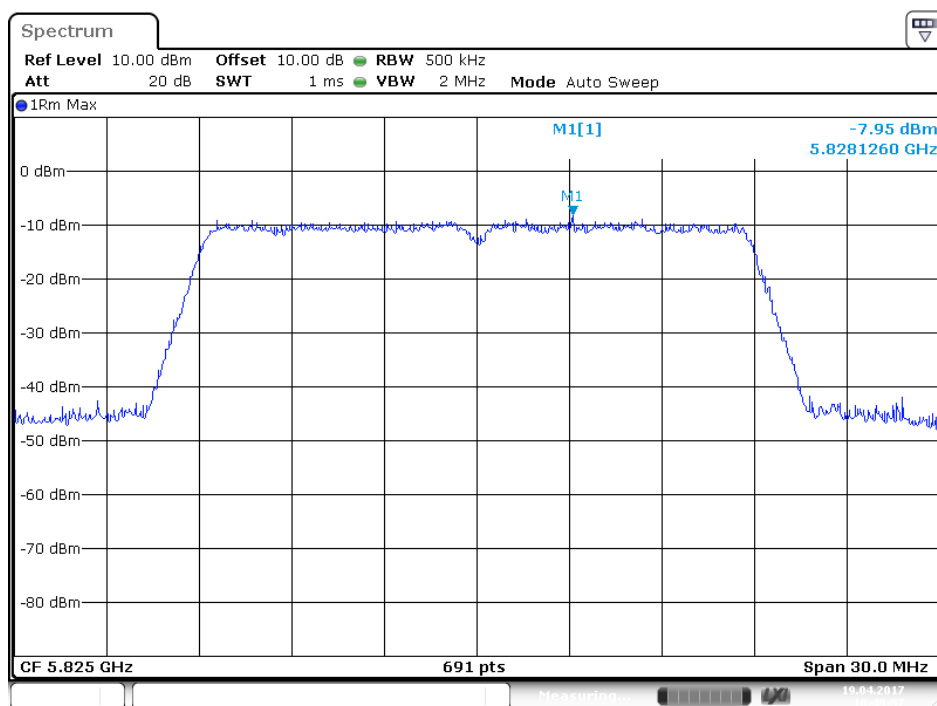
Date: 19.APR.2017 10:47:52



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

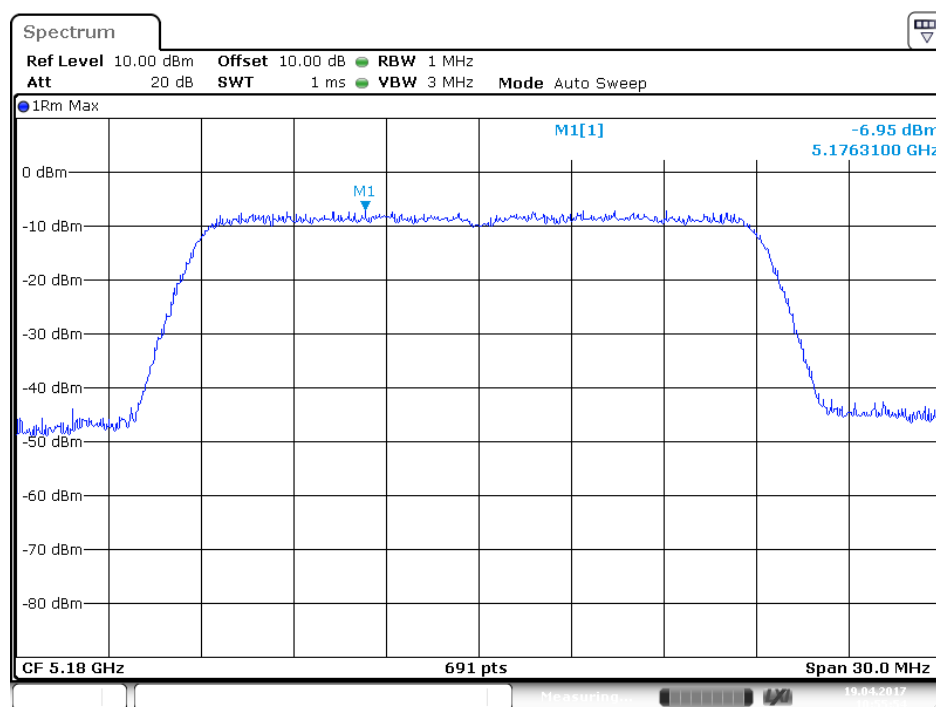


Date: 19.APR.2017 10:49:21

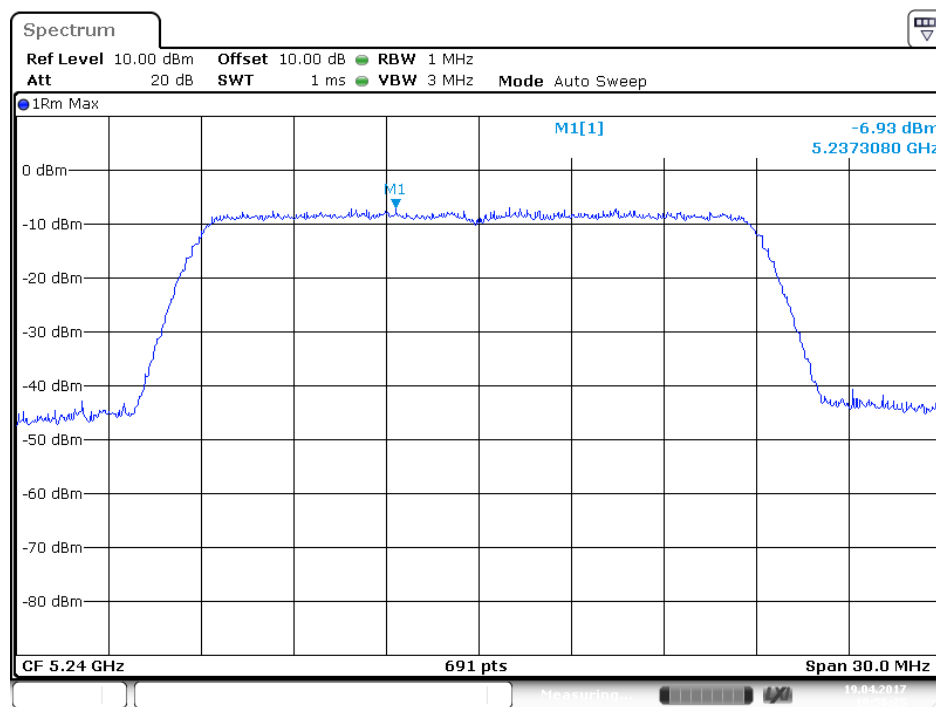


Date: 19.APR.2017 10:49:57

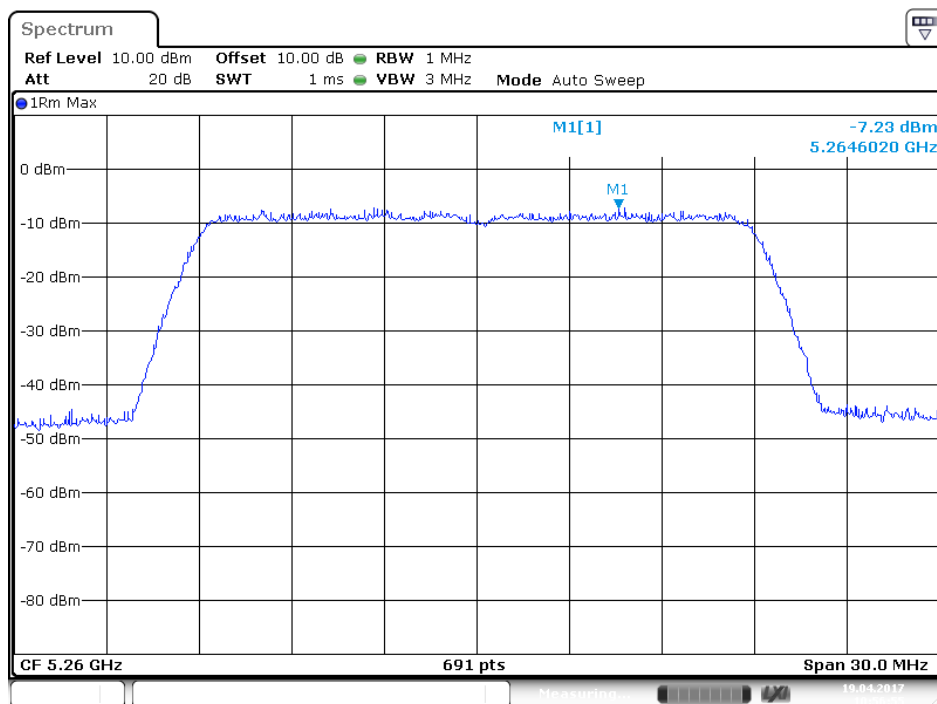
802.11ac20



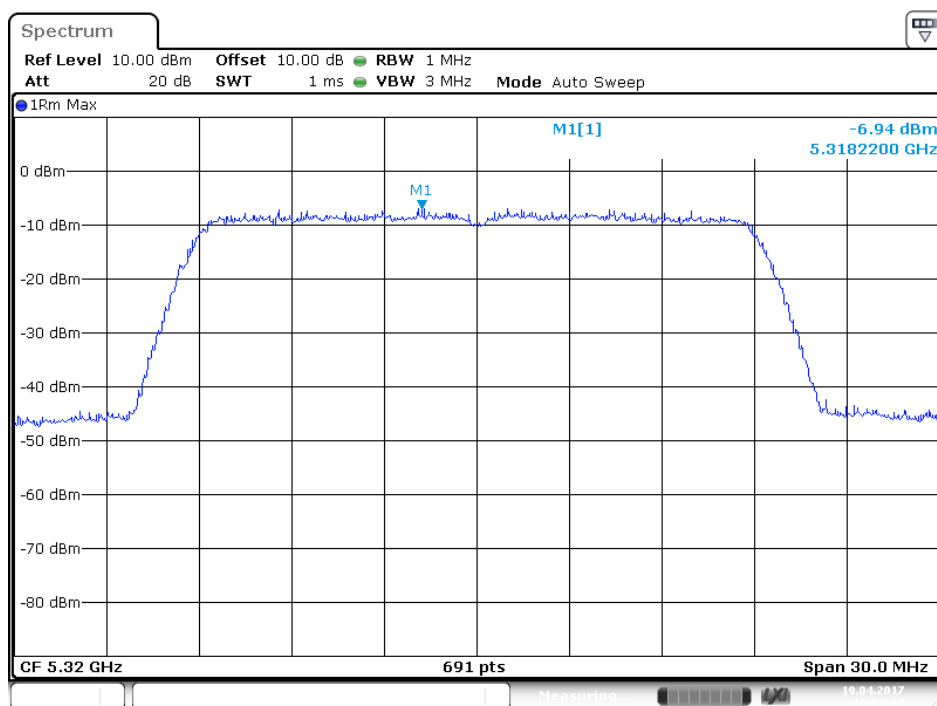
Date: 19.APR.2017 10:55:54



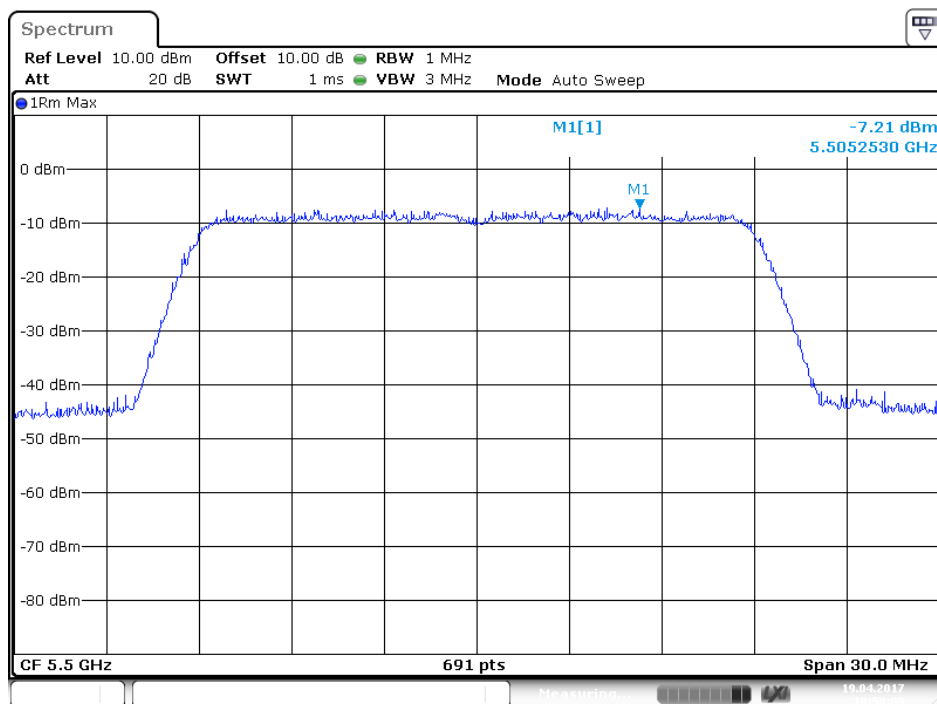
Date: 19.APR.2017 10:56:25



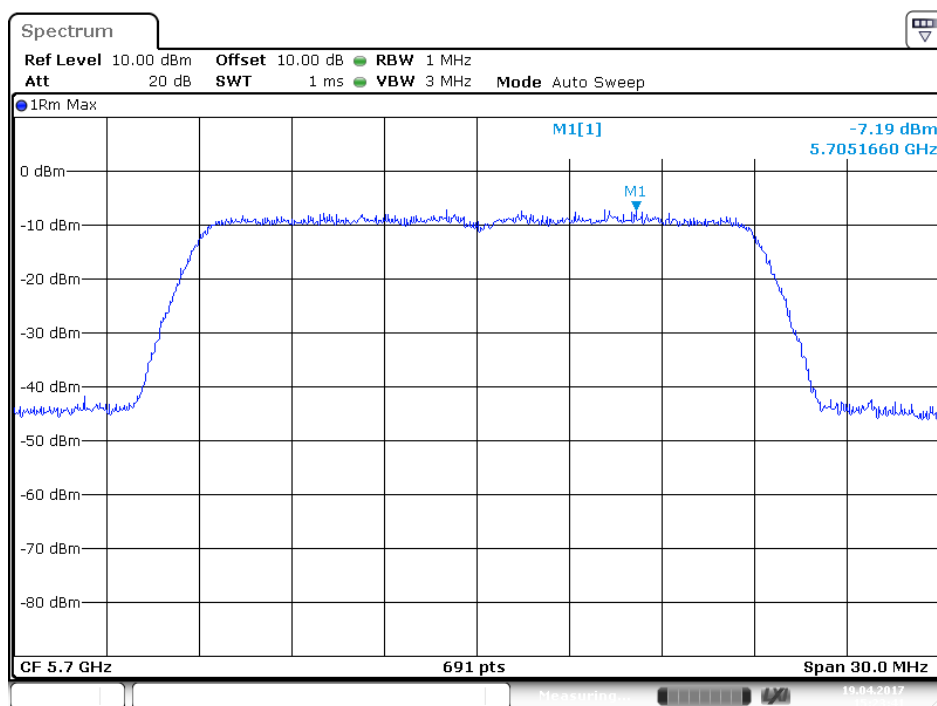
Date: 19.APR.2017 10:56:55



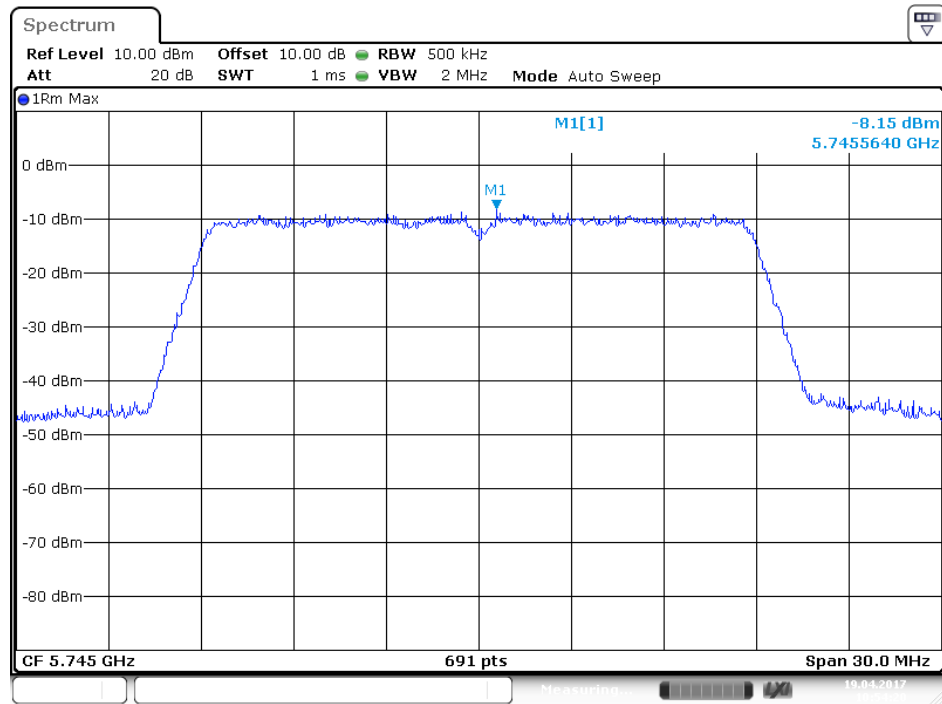
Date: 19.APR.2017 10:57:34



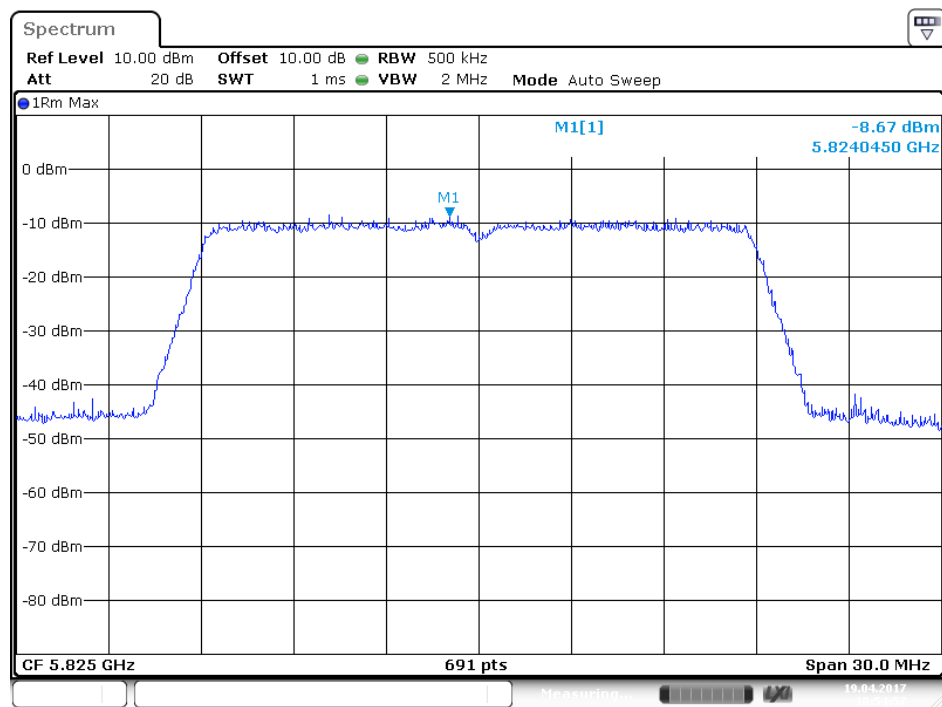
Date: 19.APR.2017 10:58:09



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

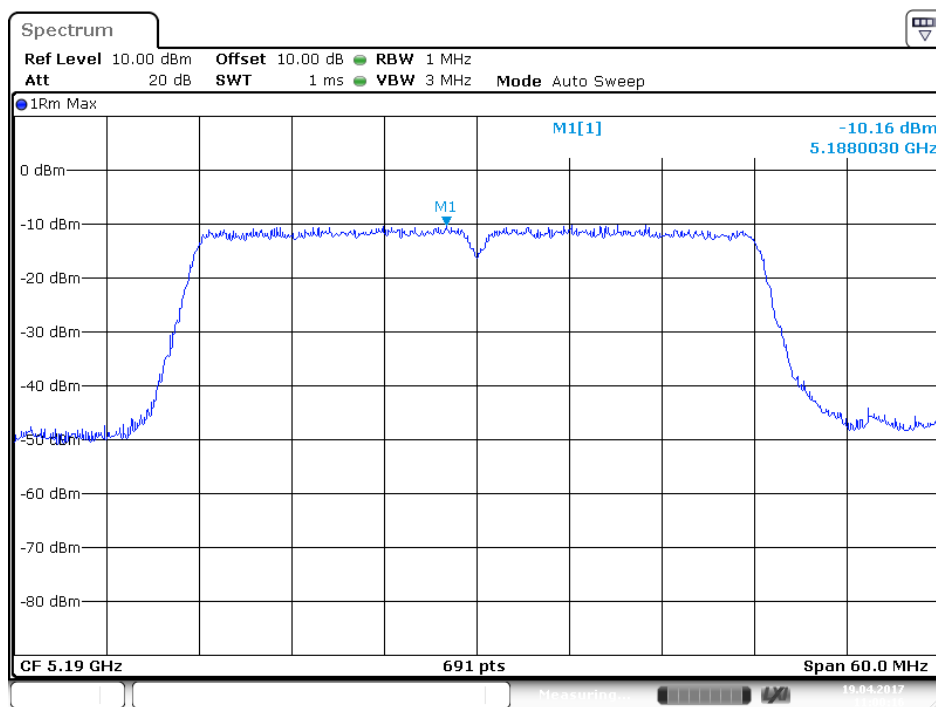


Date: 19.APR.2017 10:54:20

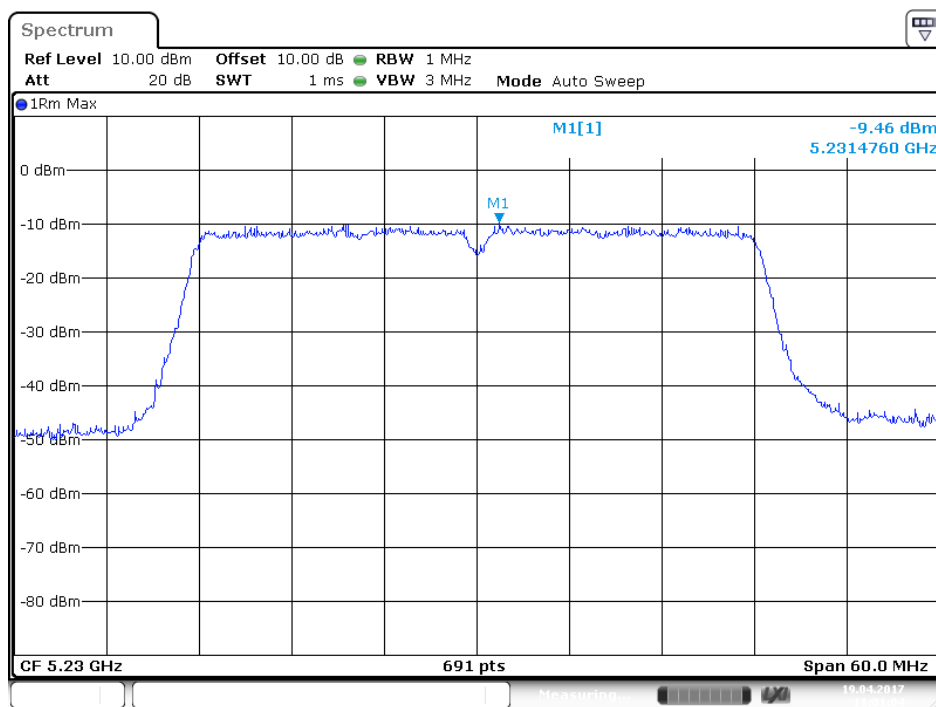


Date: 19.APR.2017 10:54:58

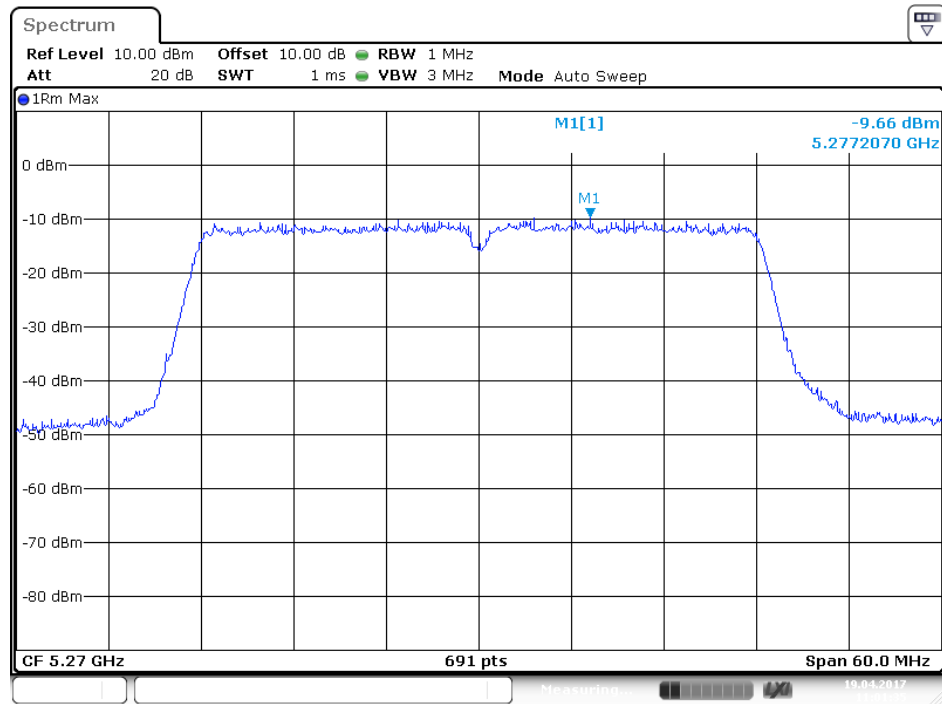
802.11N40



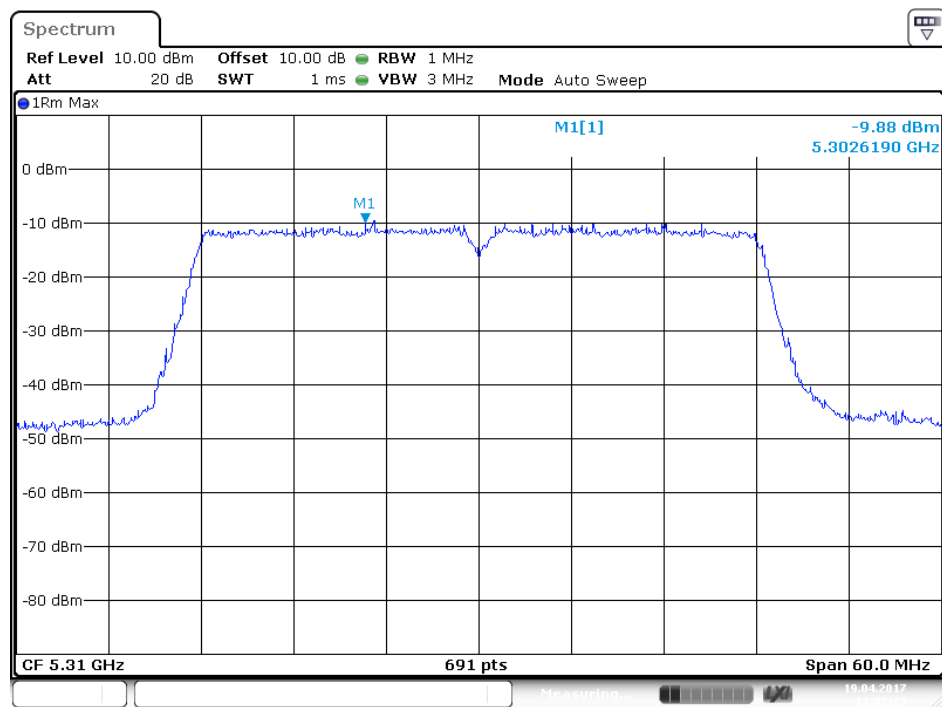
Date: 19.APR.2017 11:00:16



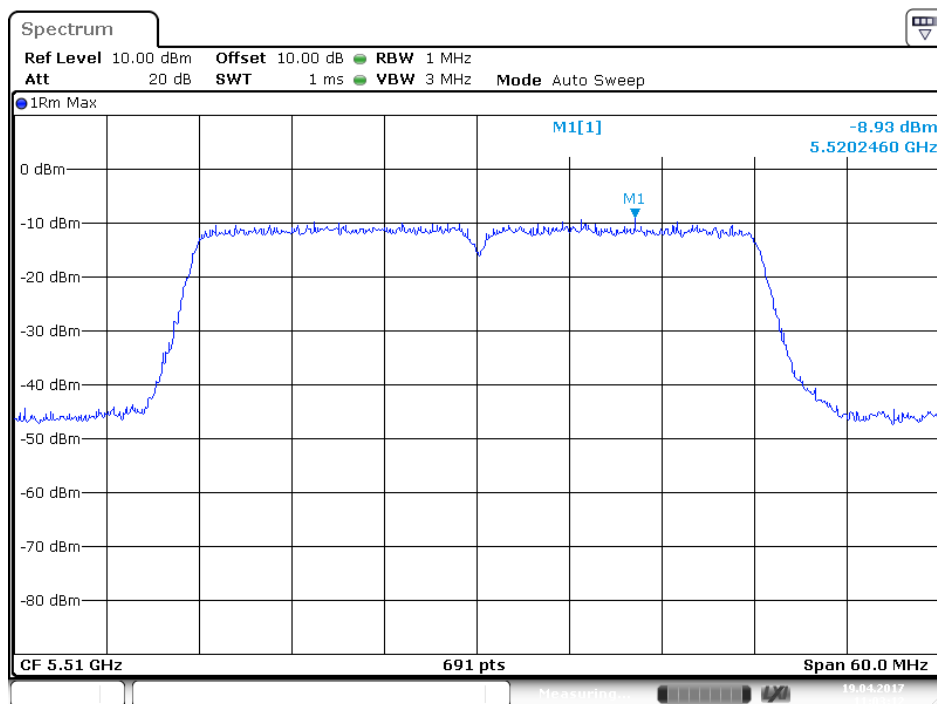
Date: 19.APR.2017 11:01:04



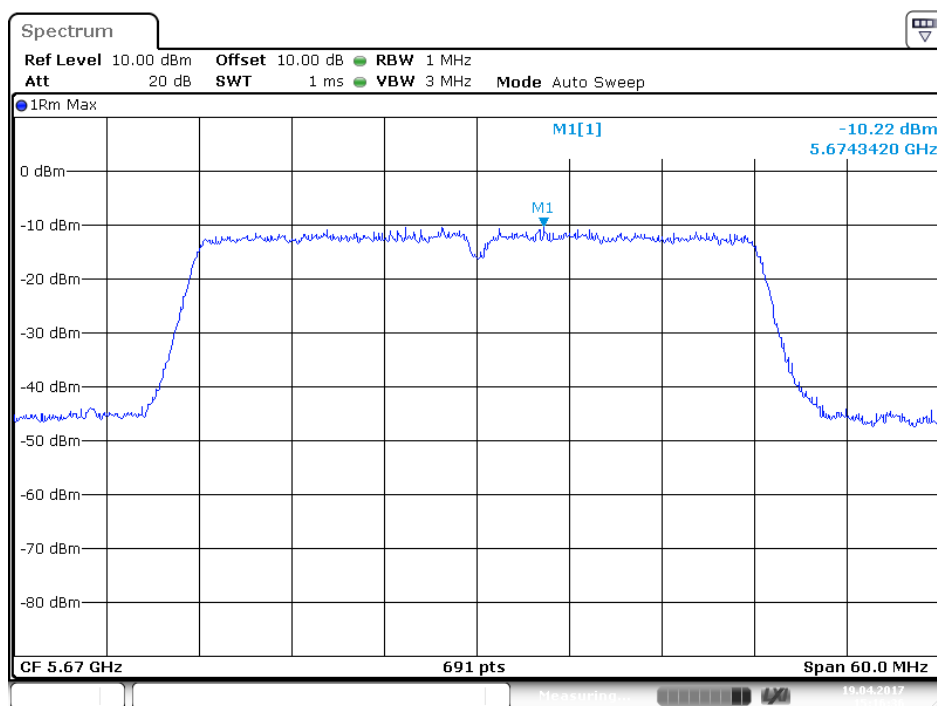
Date: 19.APR.2017 11:01:35



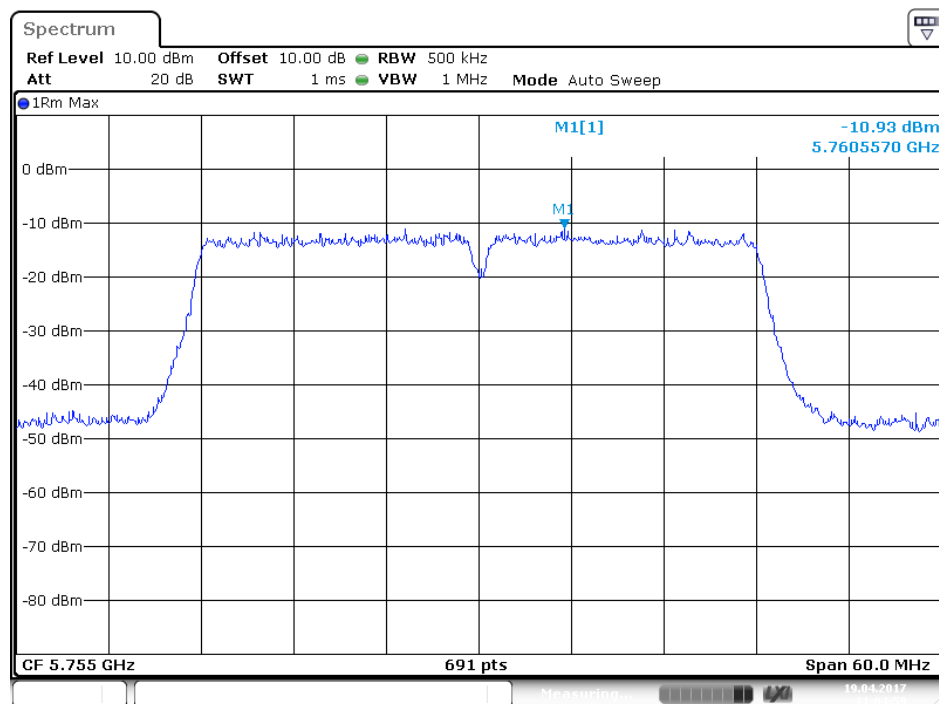
Date: 19.APR.2017 11:02:13



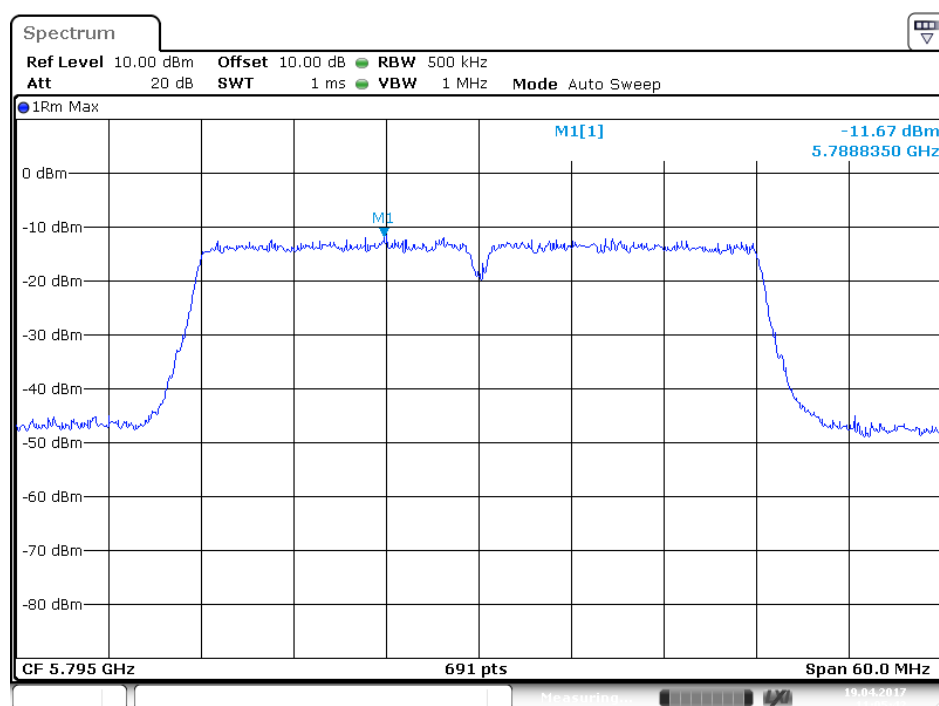
Date: 19.APR.2017 11:03:12



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

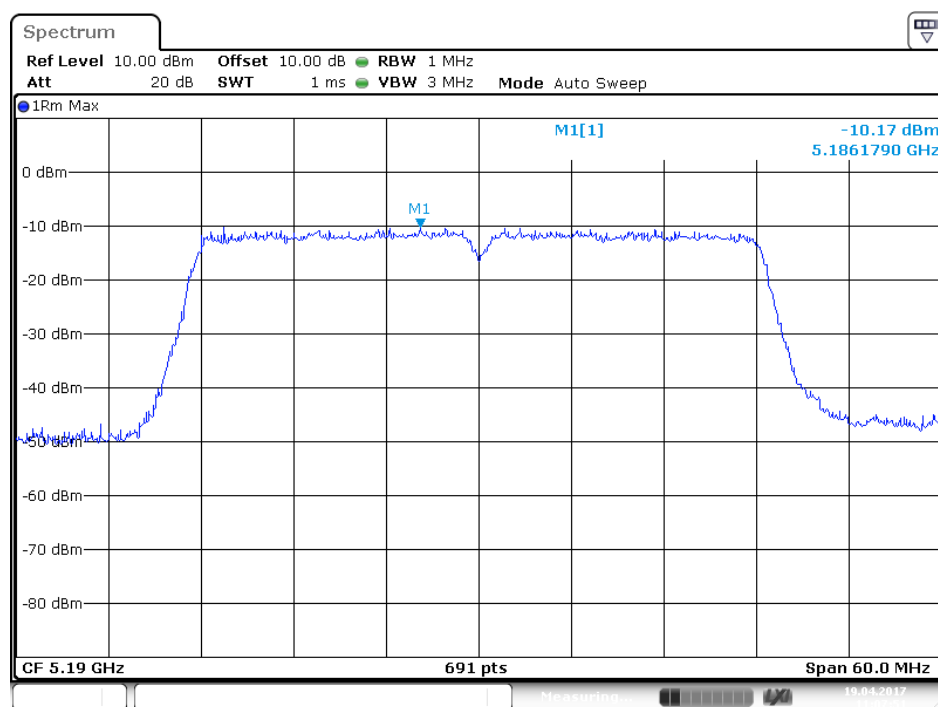


Date: 19.APR.2017 11:05:00

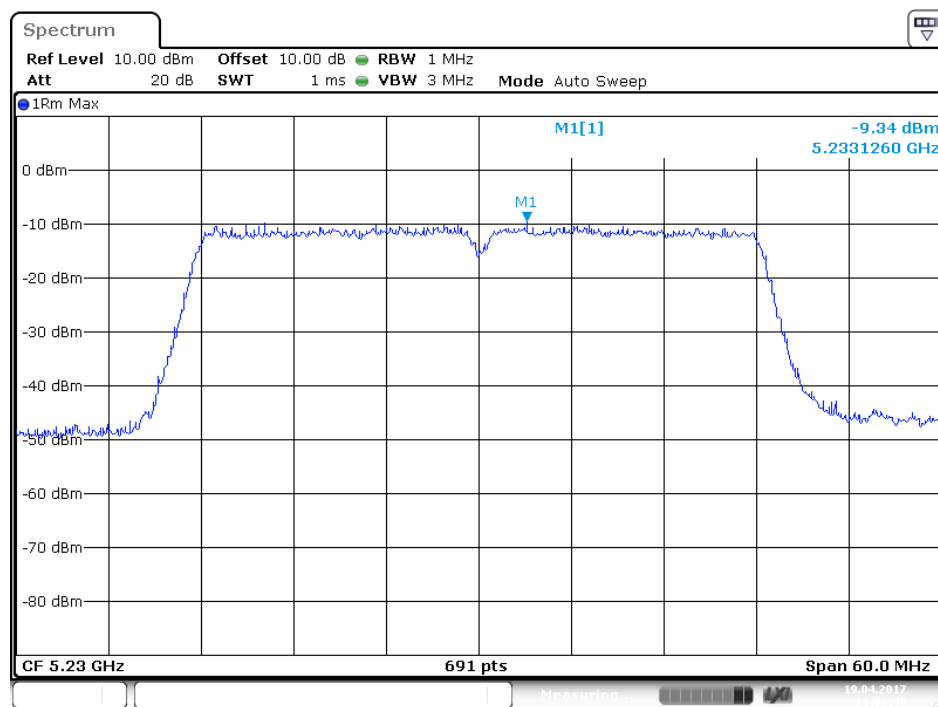


Date: 19.APR.2017 11:05:43

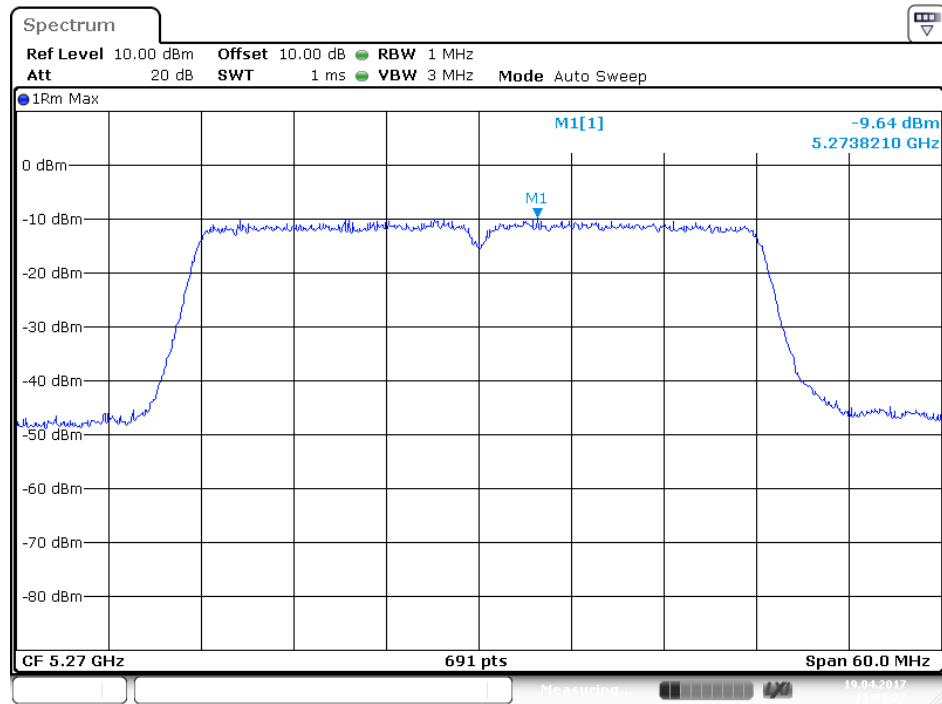
802.11ac40



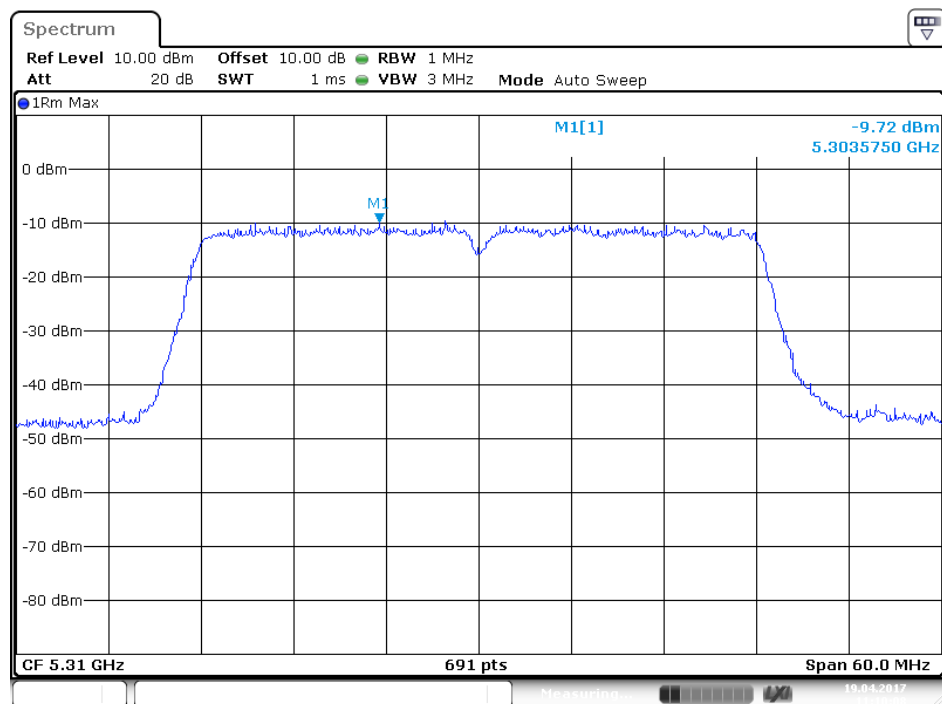
Date: 19.APR.2017 11:07:51



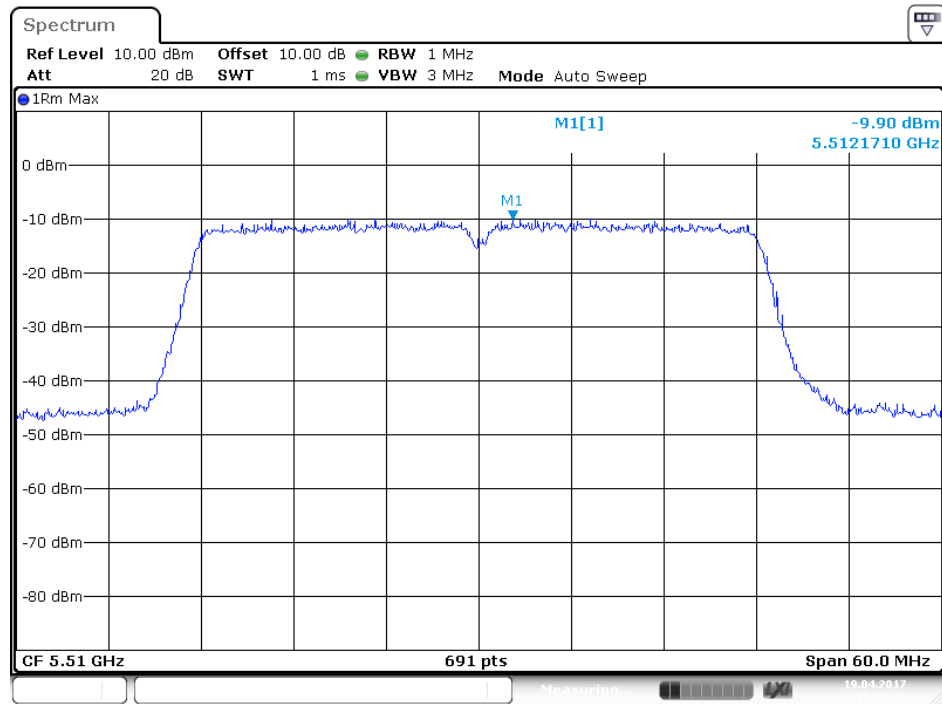
Date: 19.APR.2017 11:08:46



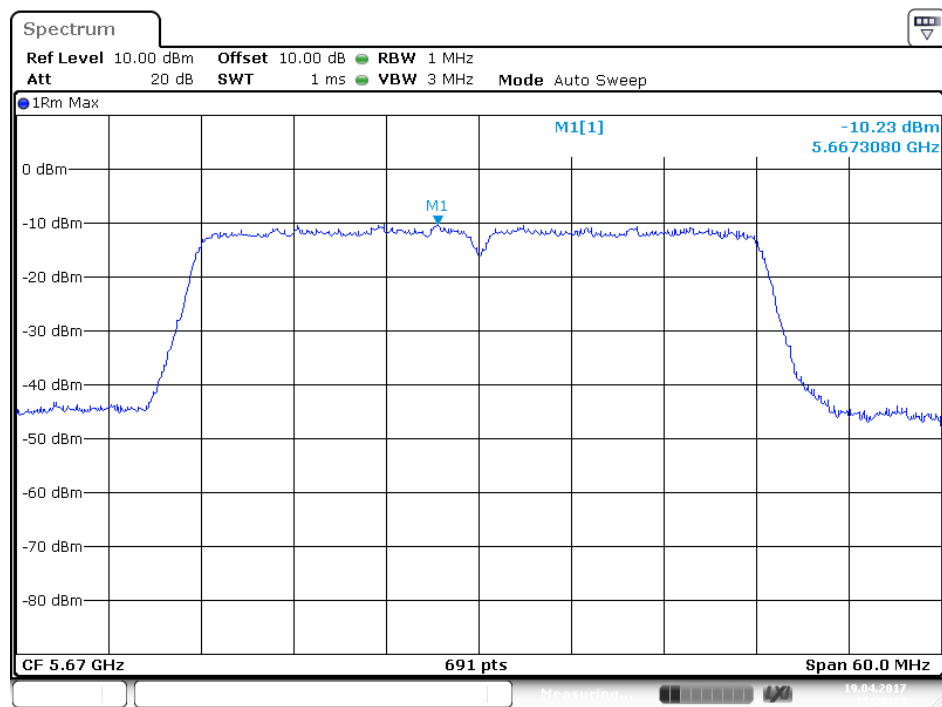
Date: 19.APR.2017 11:09:27



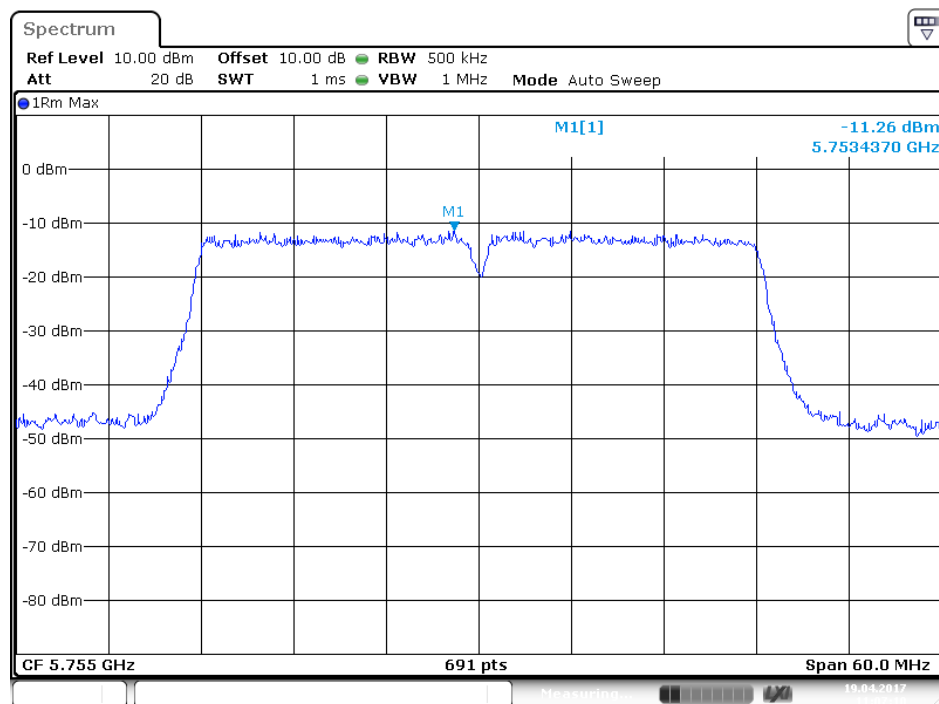
Date: 19.APR.2017 11:10:08



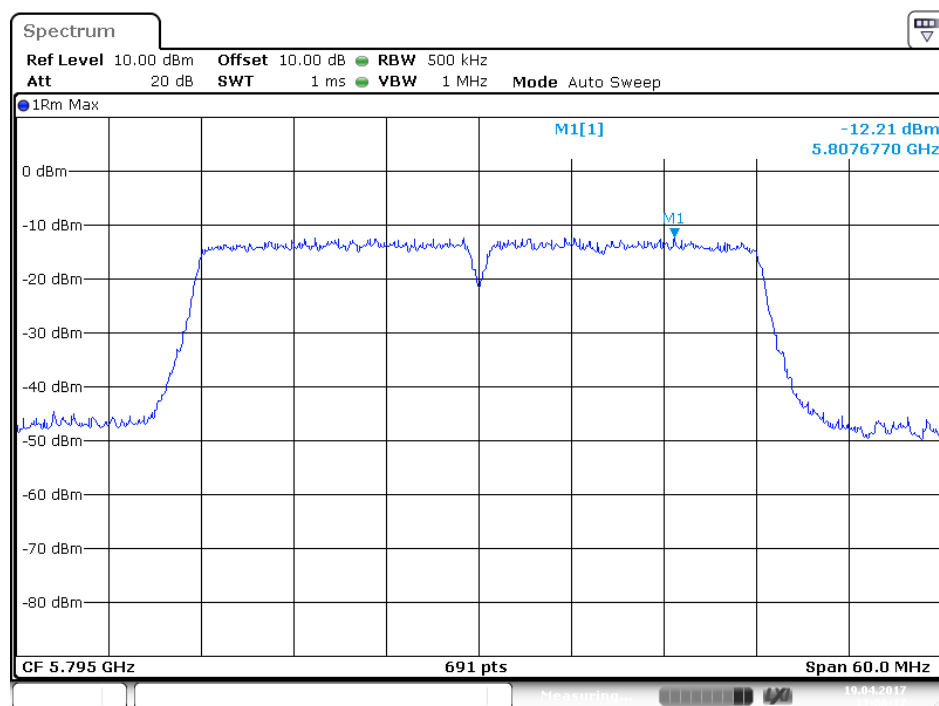
Date: 19.APR.2017 11:10:46



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

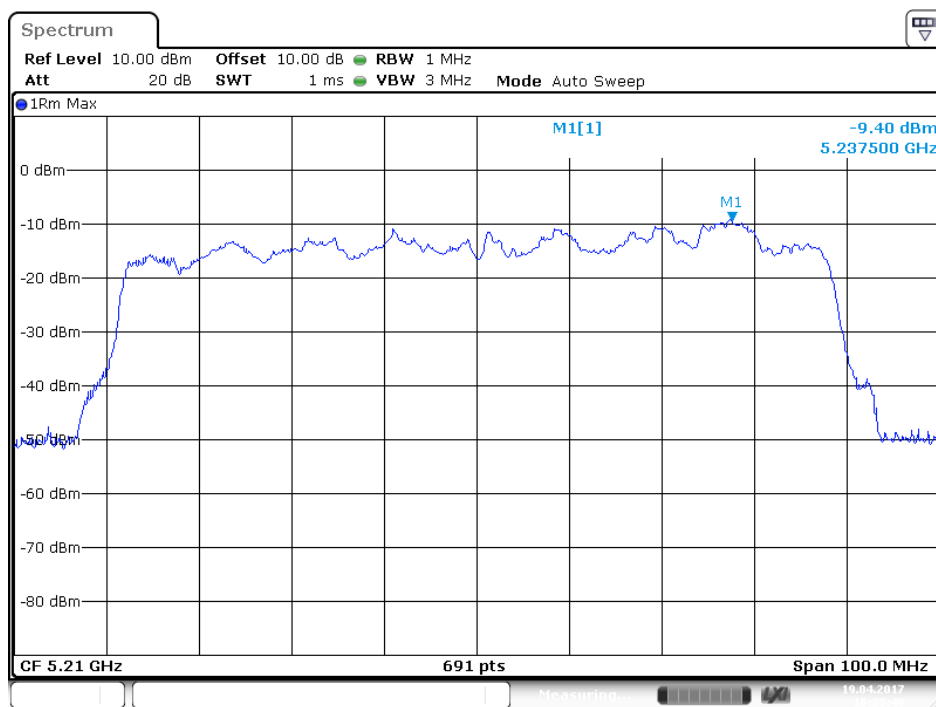


Date: 19.APR.2017 11:07:10

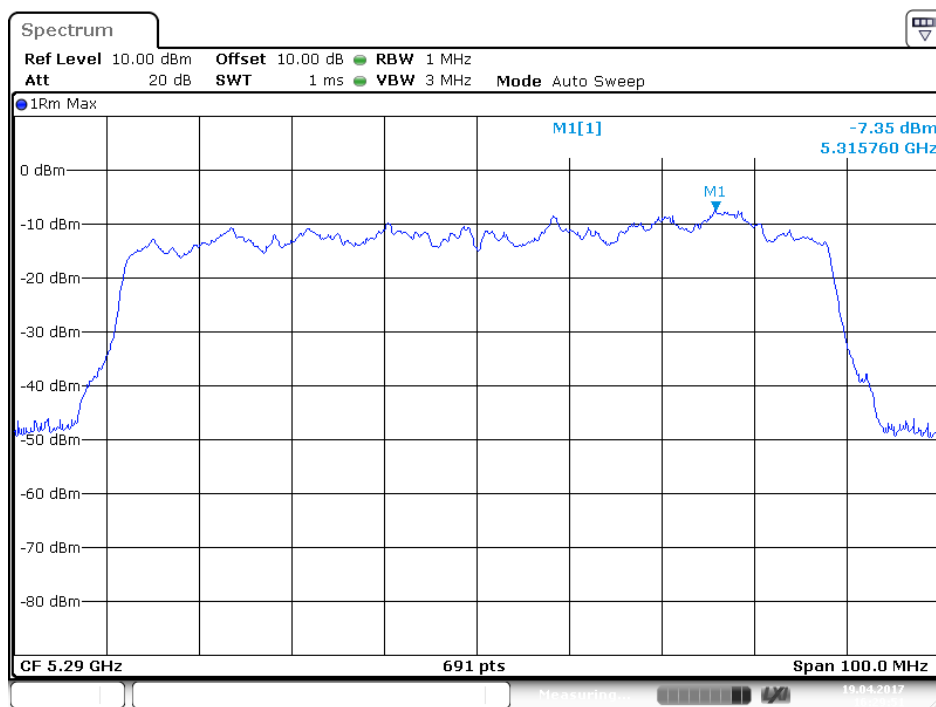


Date: 19.APR.2017 11:06:17

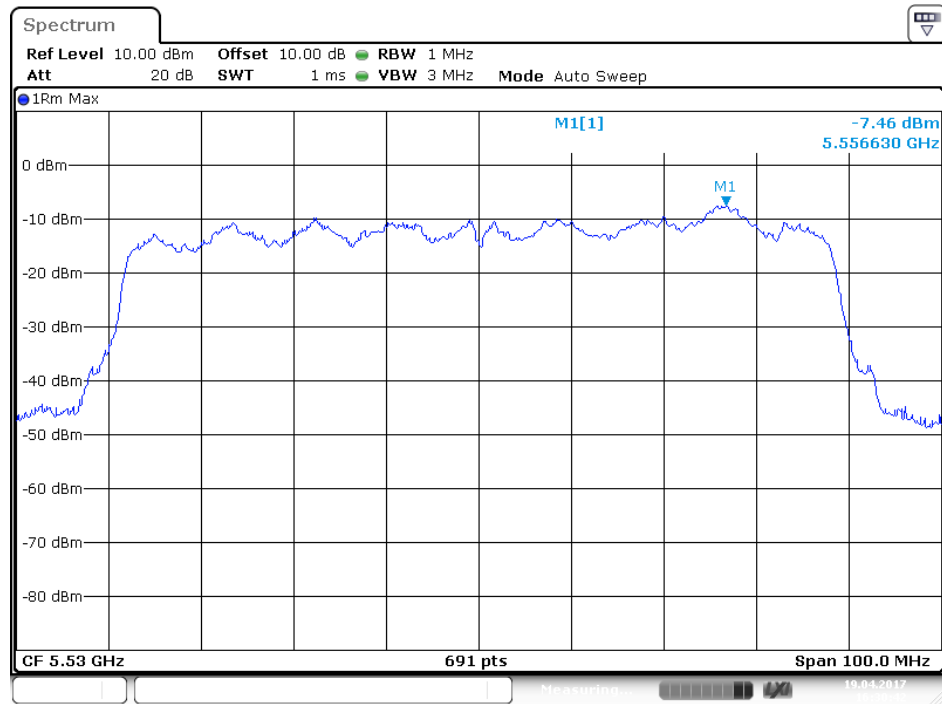
802.11ac80



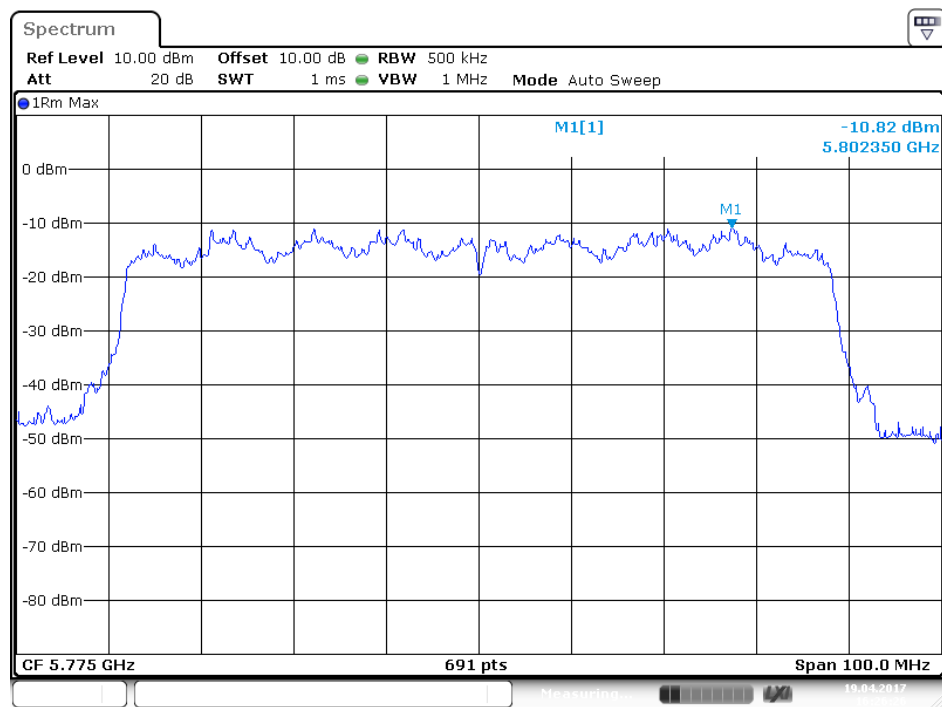
Date: 19.APR.2017 16:28:48



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



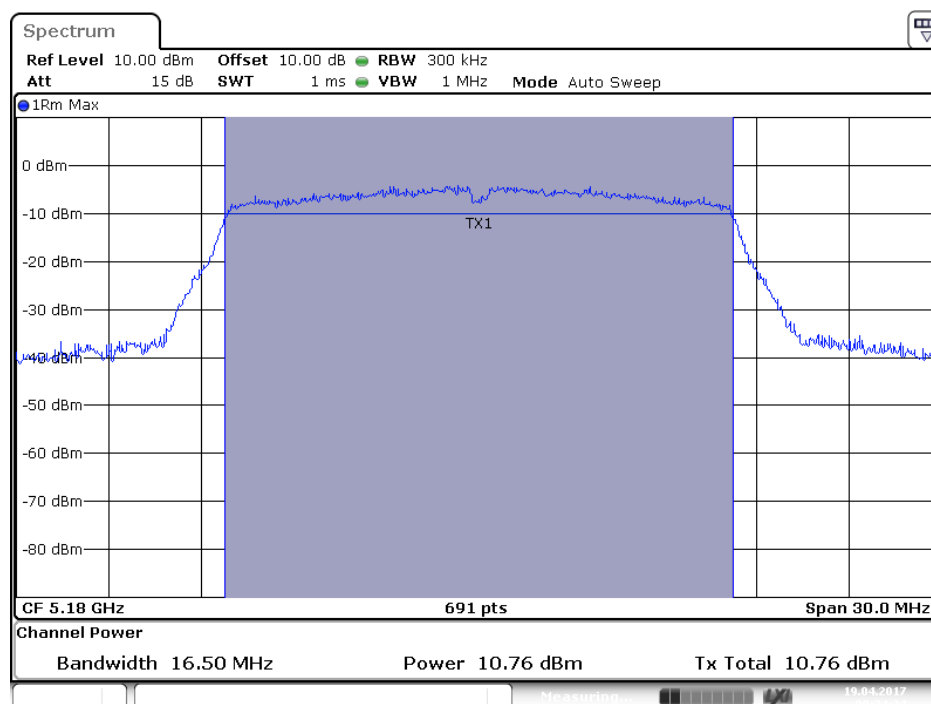
Date: 19.APR.2017 16:30:42



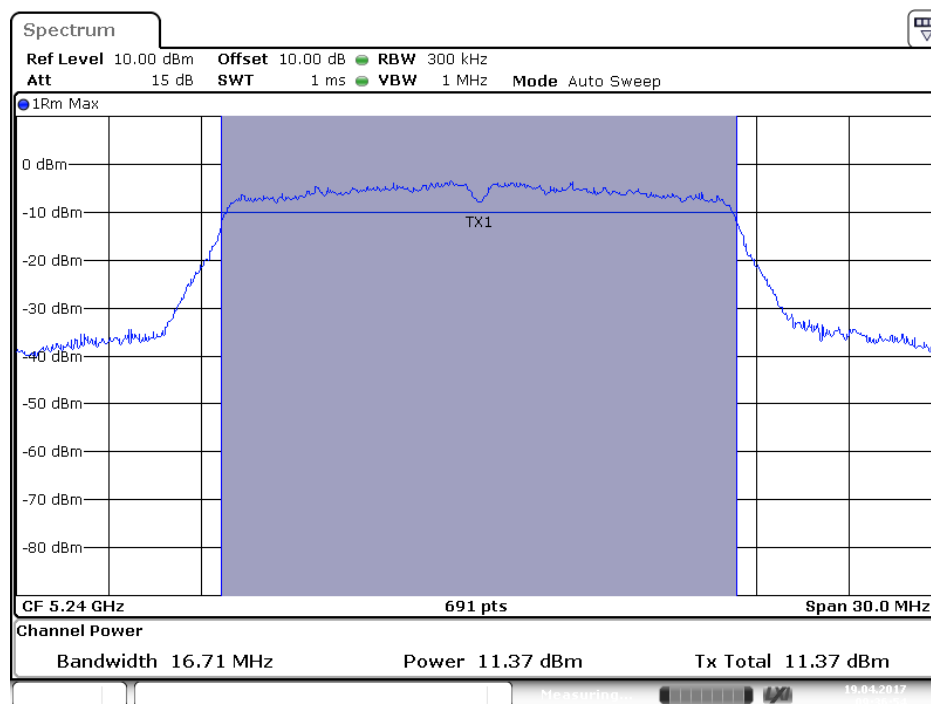
Date: 19.APR.2017 16:26:26

Power Test Result

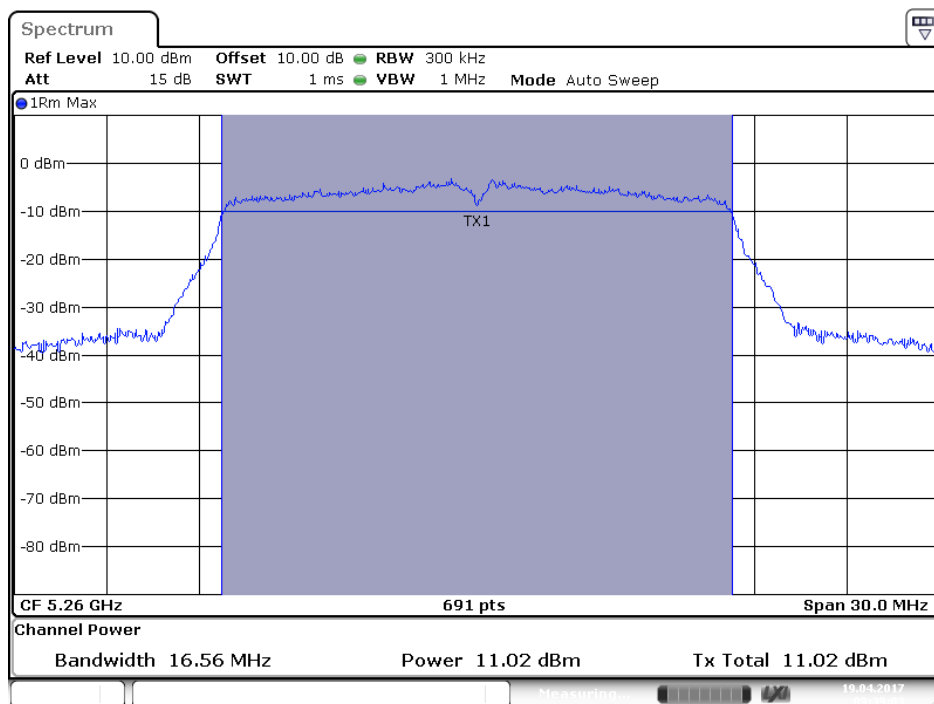
802.11A



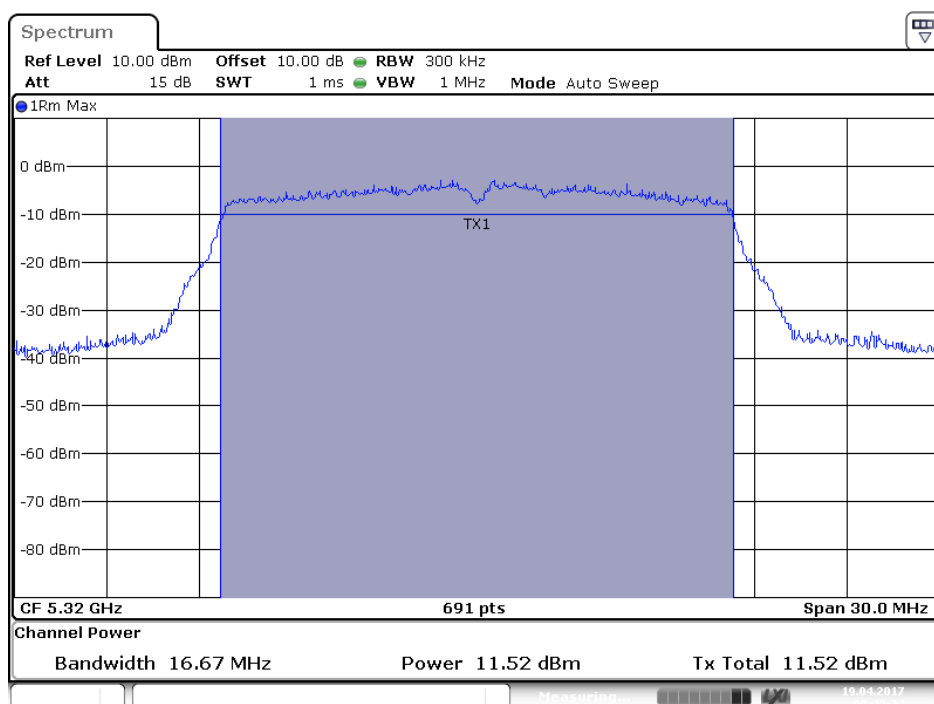
Date: 19.APR.2017 09:34:25



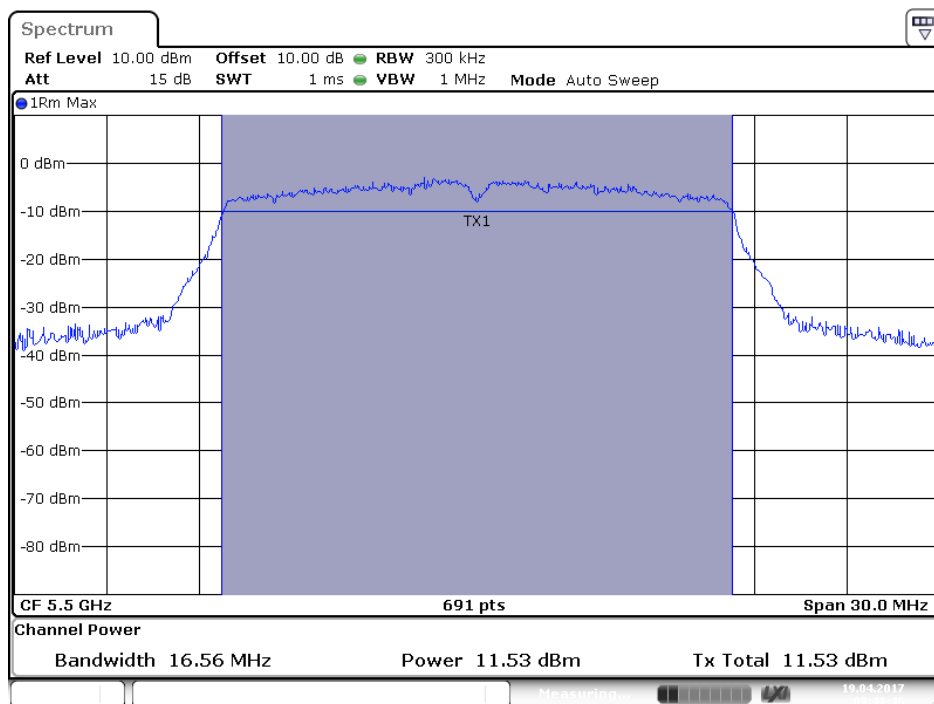
Date: 19.APR.2017 09:36:54



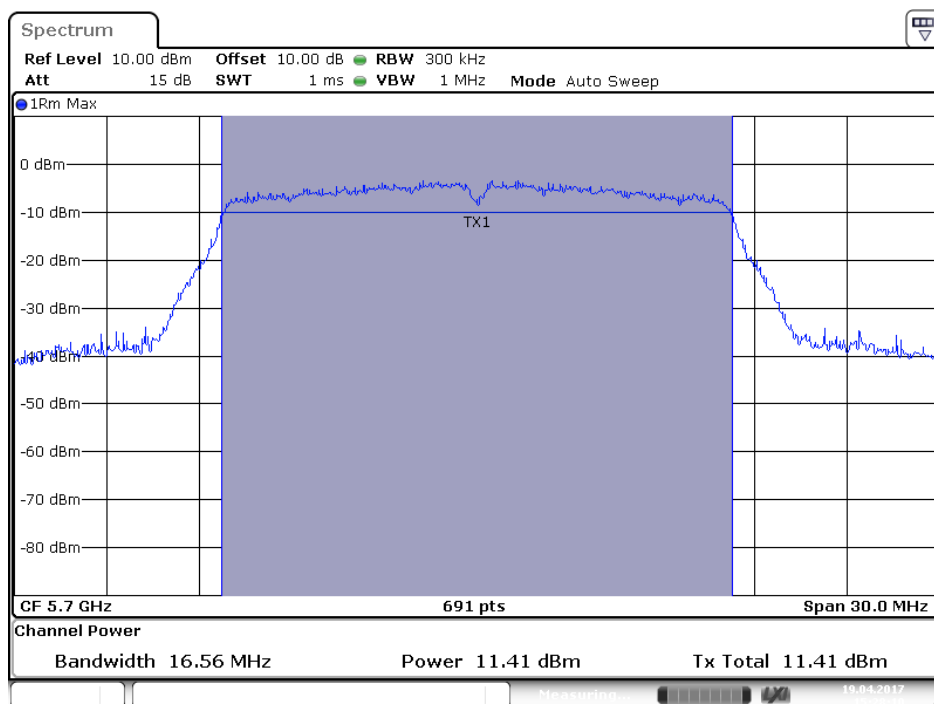
Date: 19.APR.2017 09:39:03



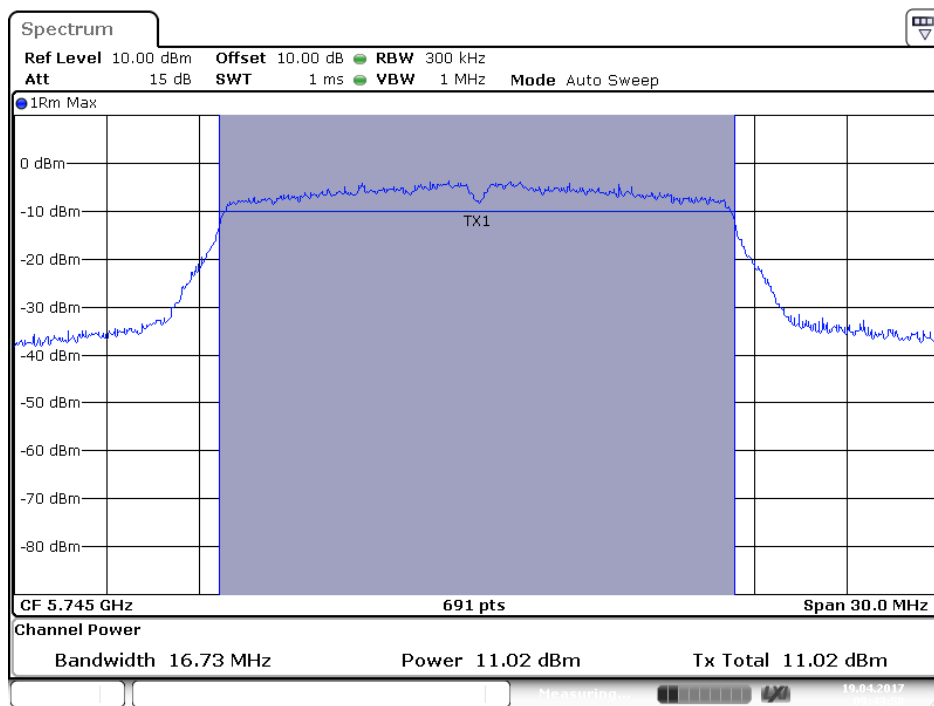
Date: 19.APR.2017 09:40:24



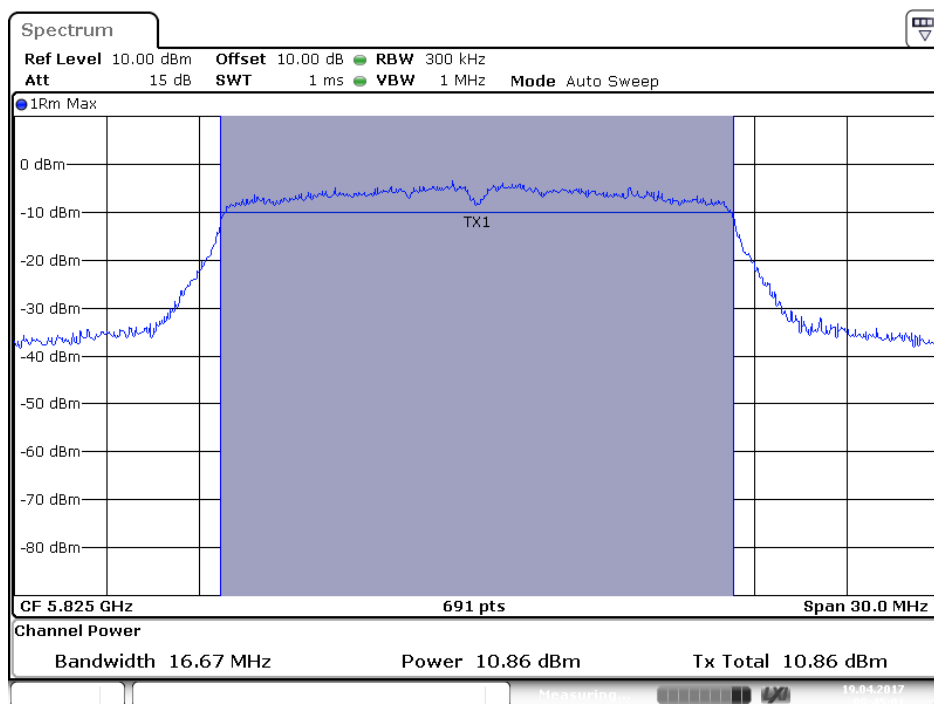
Date: 19.APR.2017 09:41:47



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

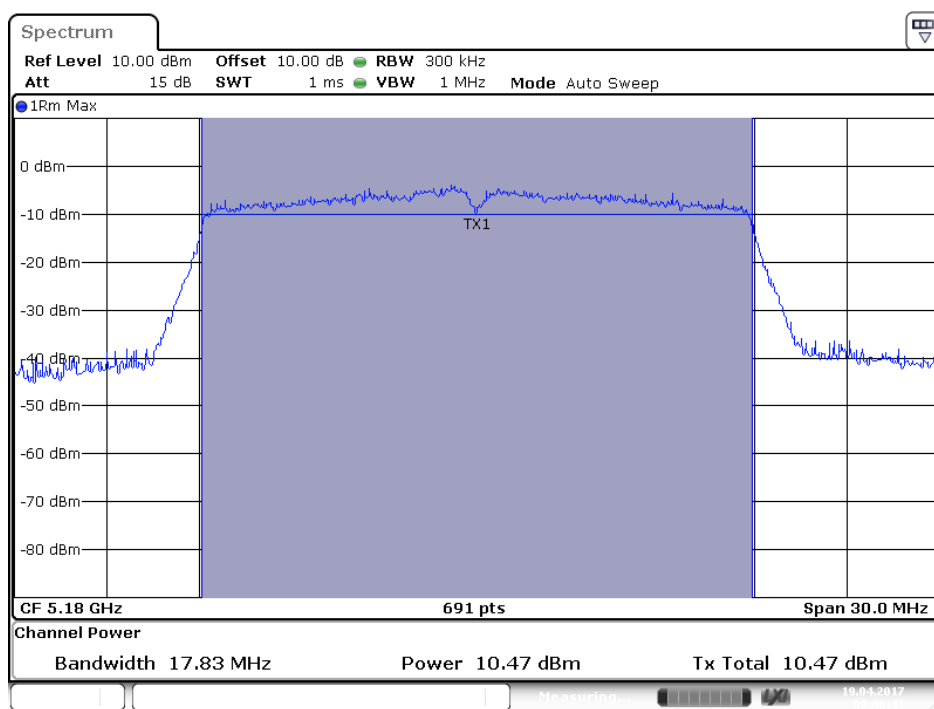


Date: 19.APR.2017 09:43:58

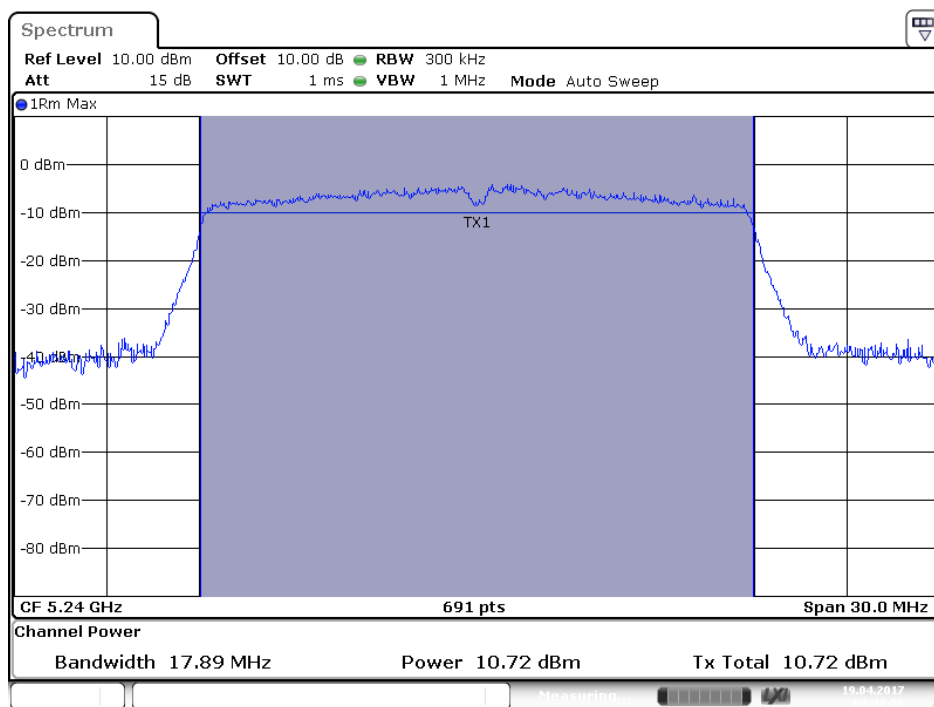


Date: 19.APR.2017 09:45:01

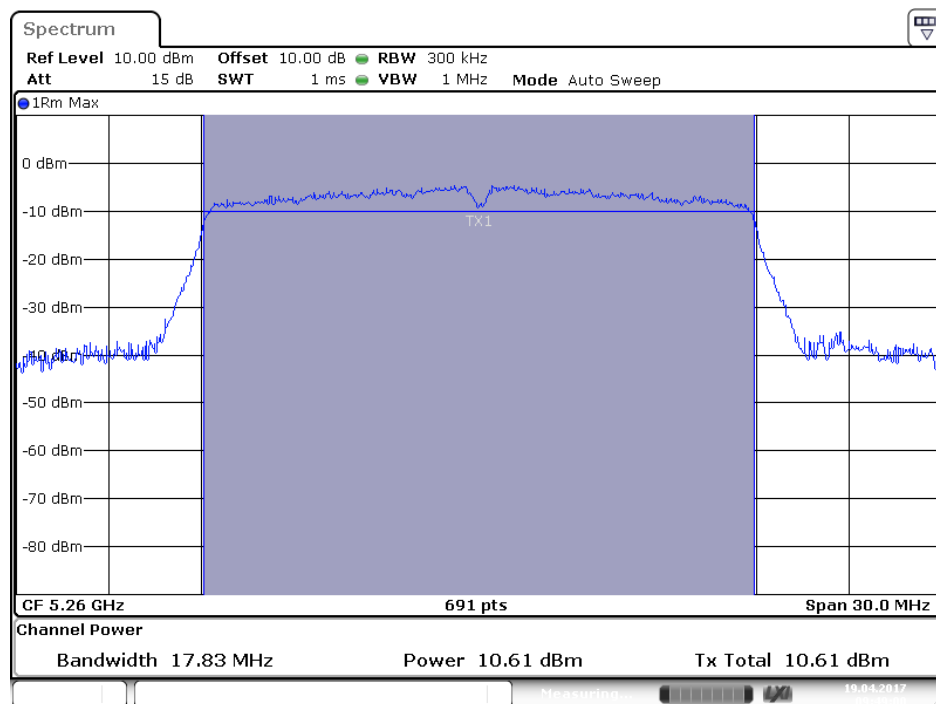
802.11N20



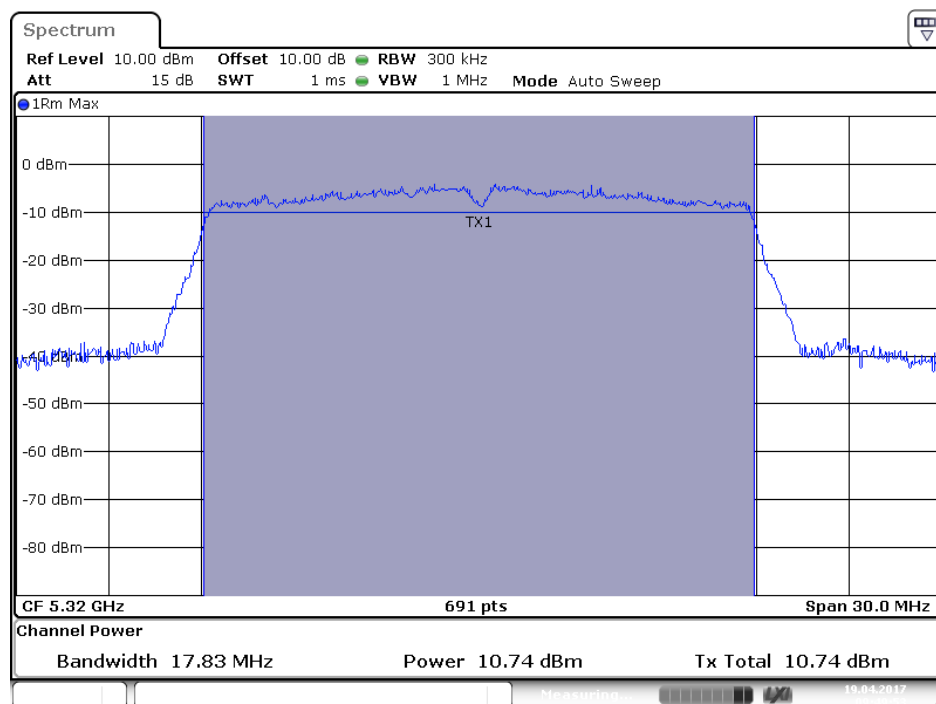
Date: 19.APR.2017 09:46:41



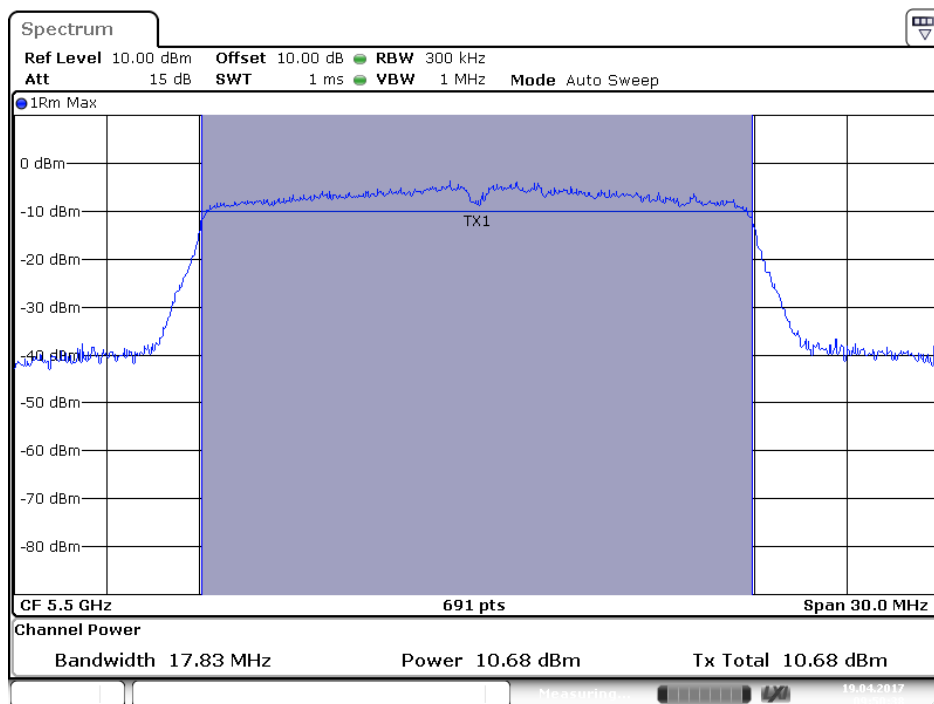
Date: 19.APR.2017 09:47:56



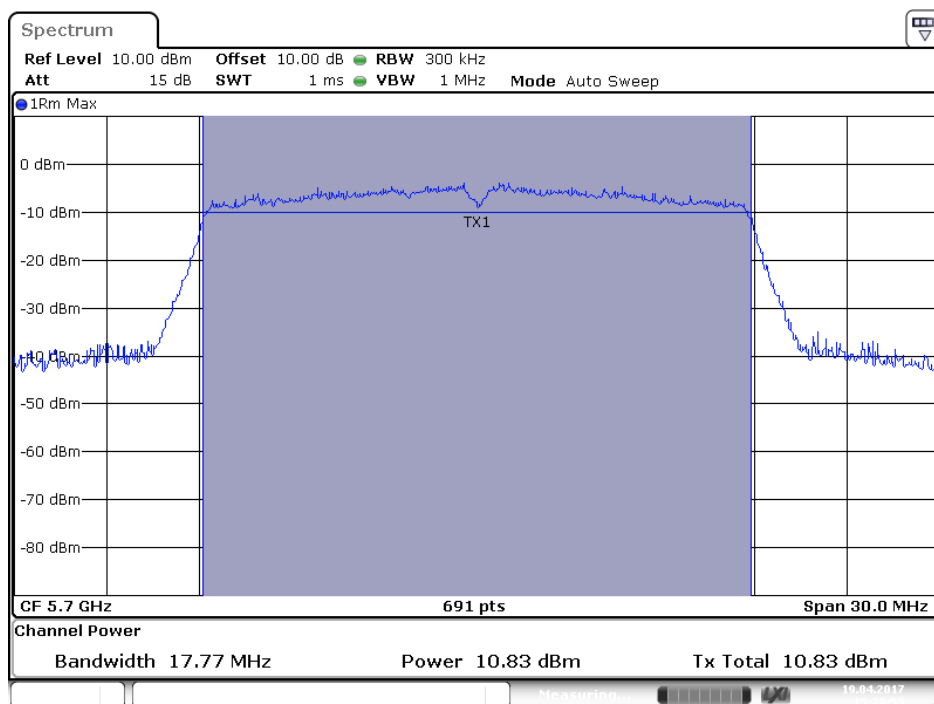
Date: 19.APR.2017 09:49:00



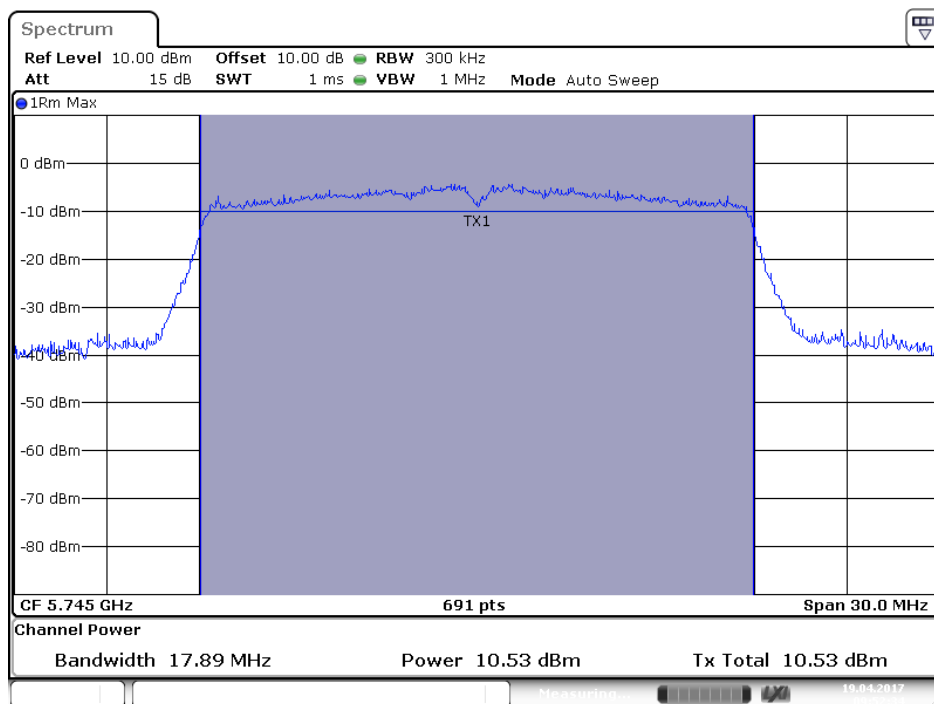
Date: 19.APR.2017 09:49:53



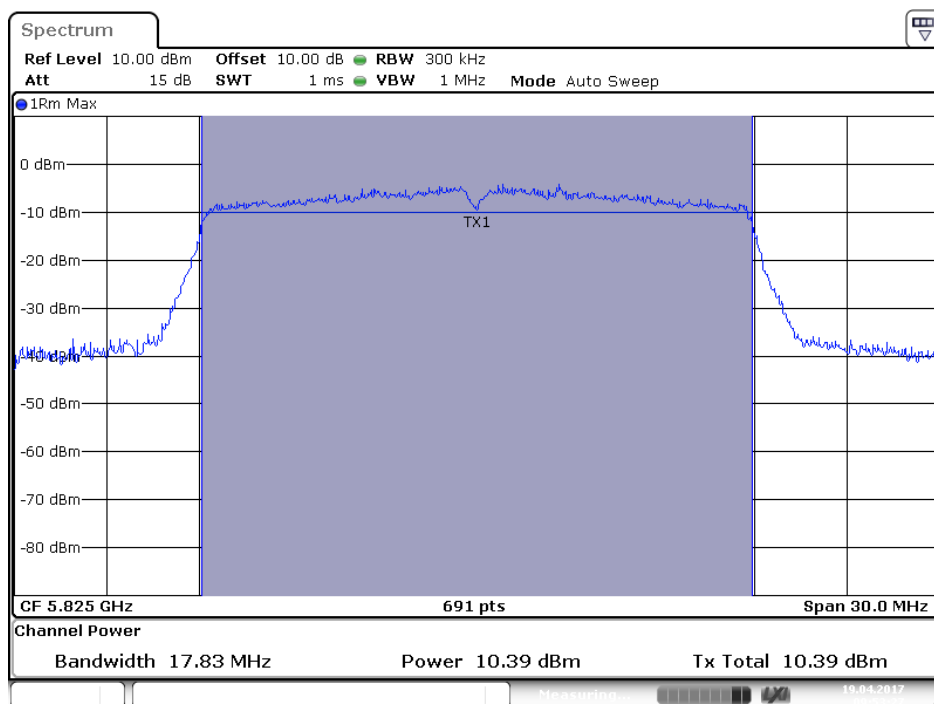
Date: 19.APR.2017 09:50:39



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

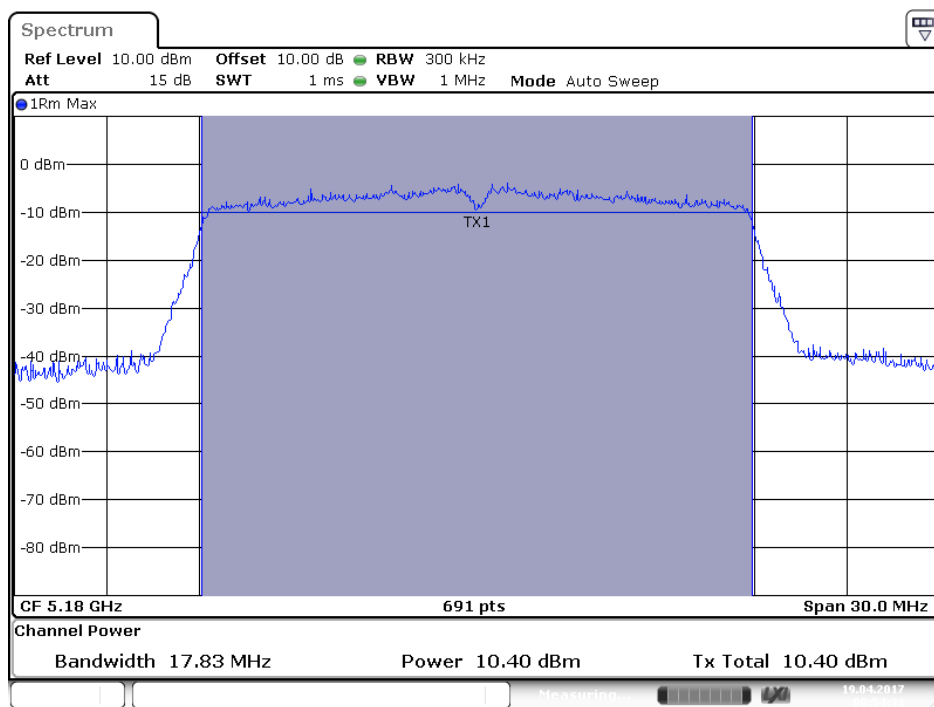


Date: 19.APR.2017 09:52:34

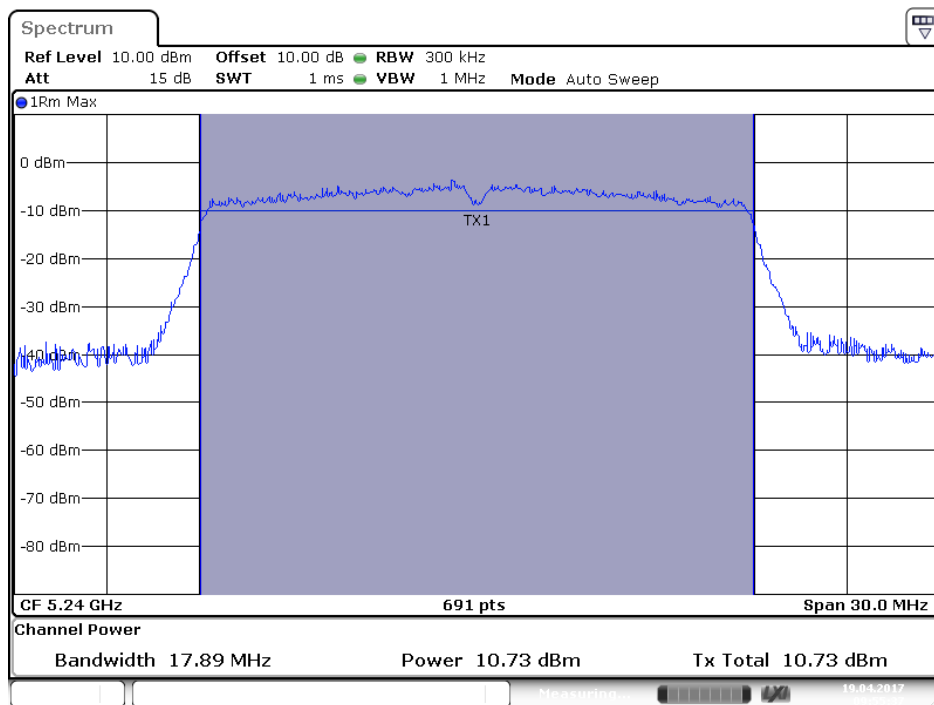


Date: 19.APR.2017 09:53:27

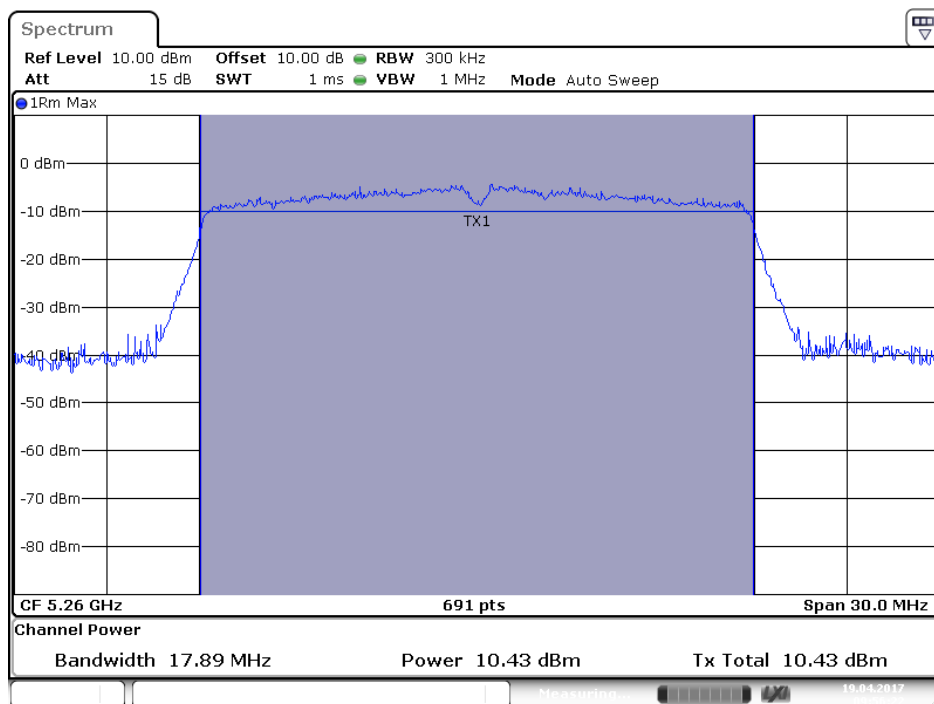
802.11ac20



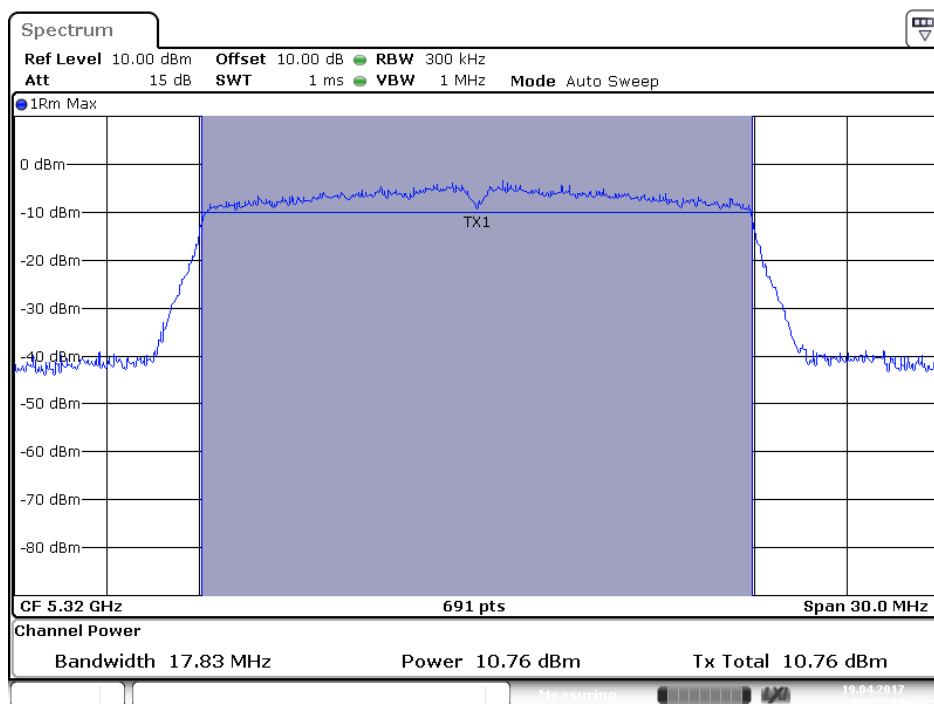
Date: 19.APR.2017 09:54:31



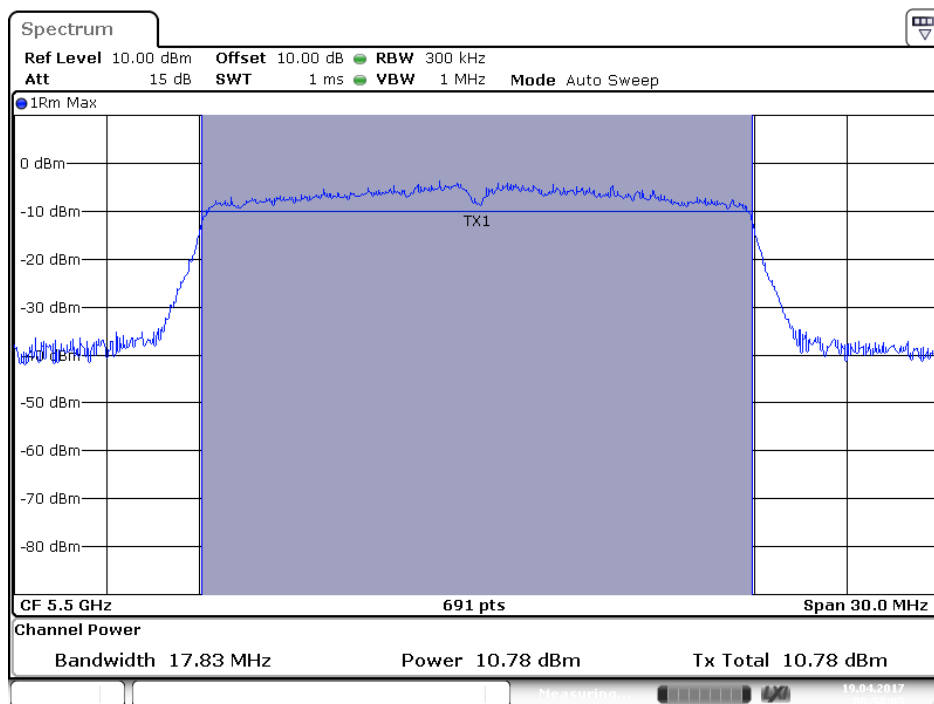
Date: 19.APR.2017 09:55:38



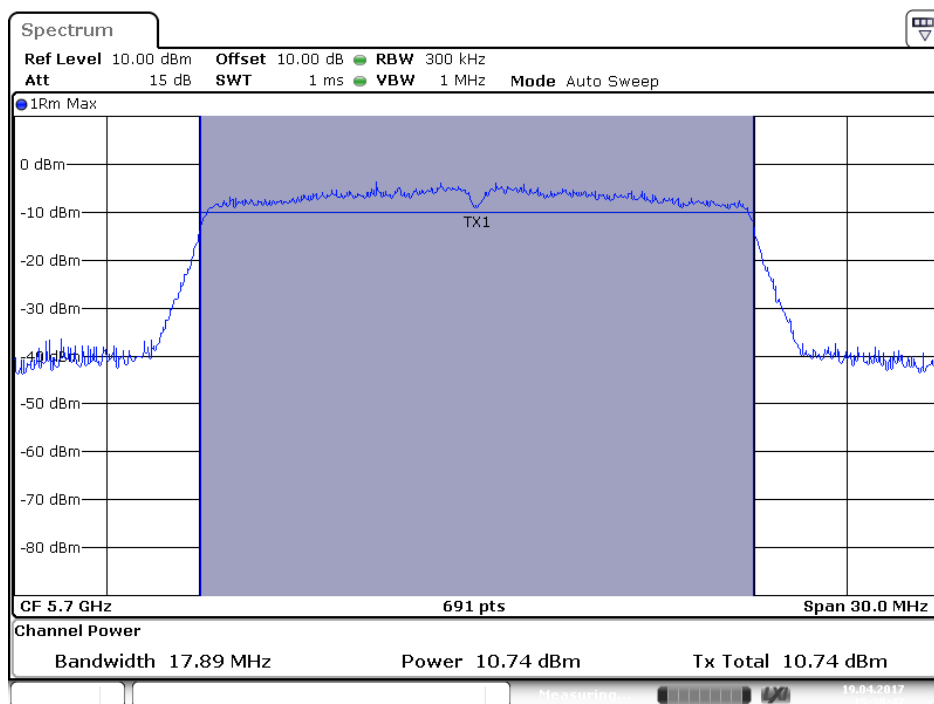
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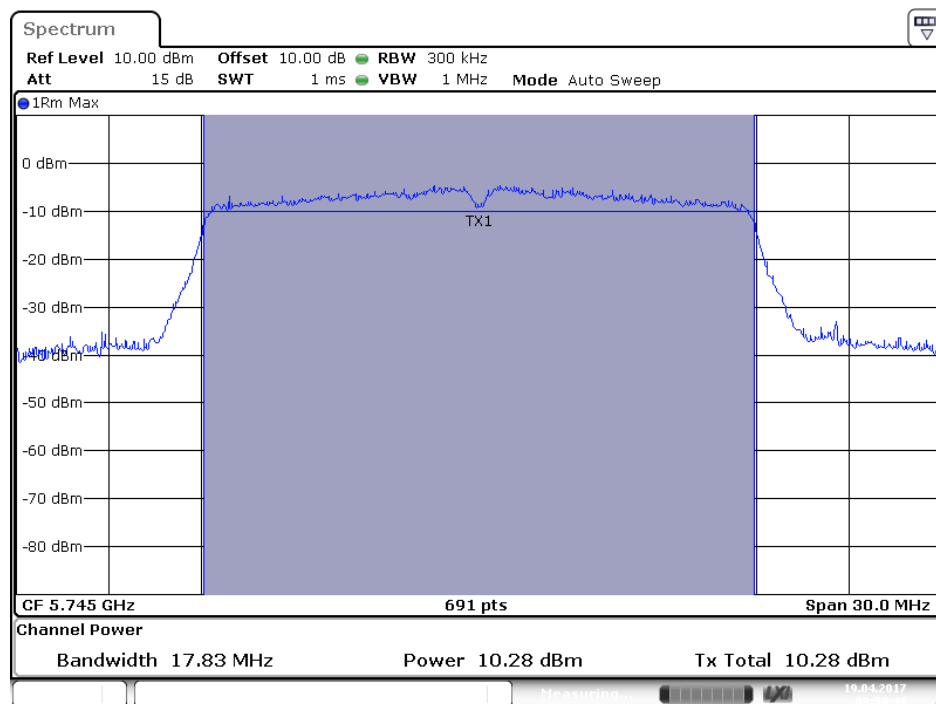
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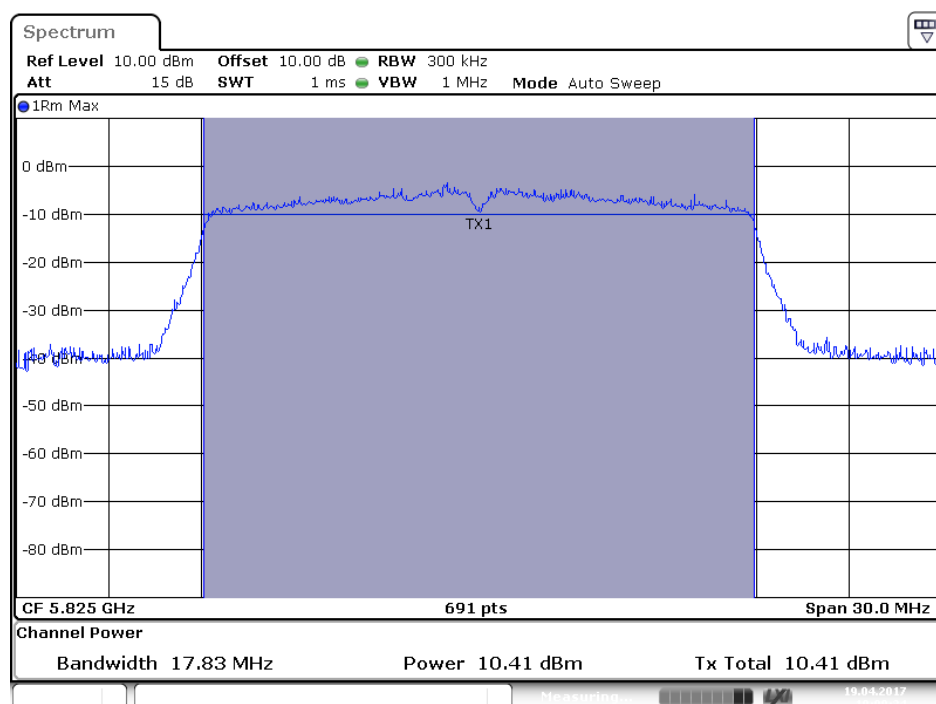
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Date: 19.APR.2017 15:30:47

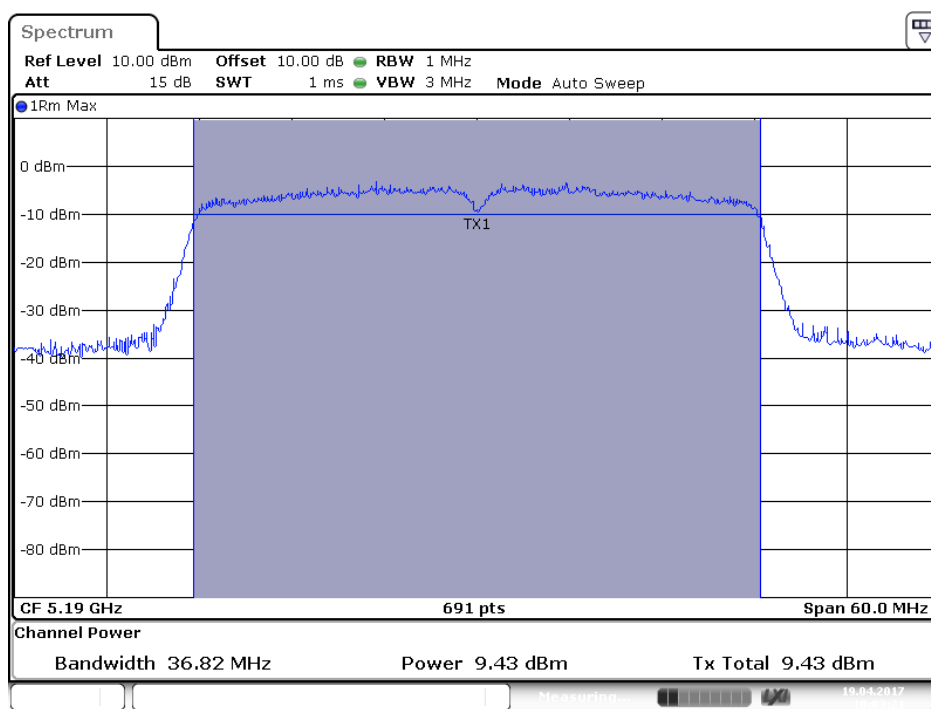


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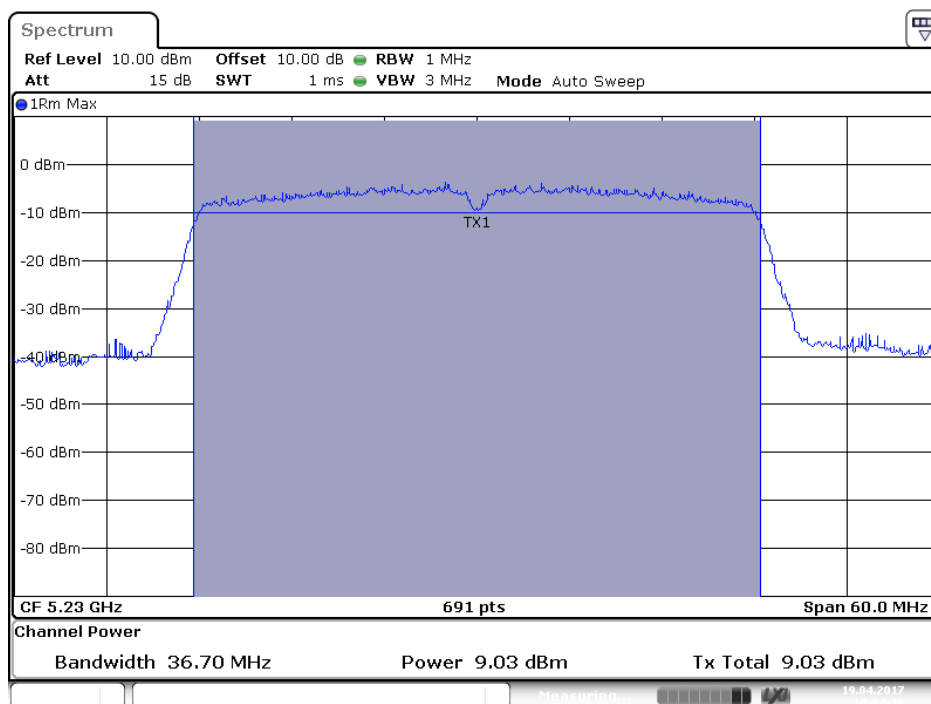


Date: 19.APR.2017 10:00:34

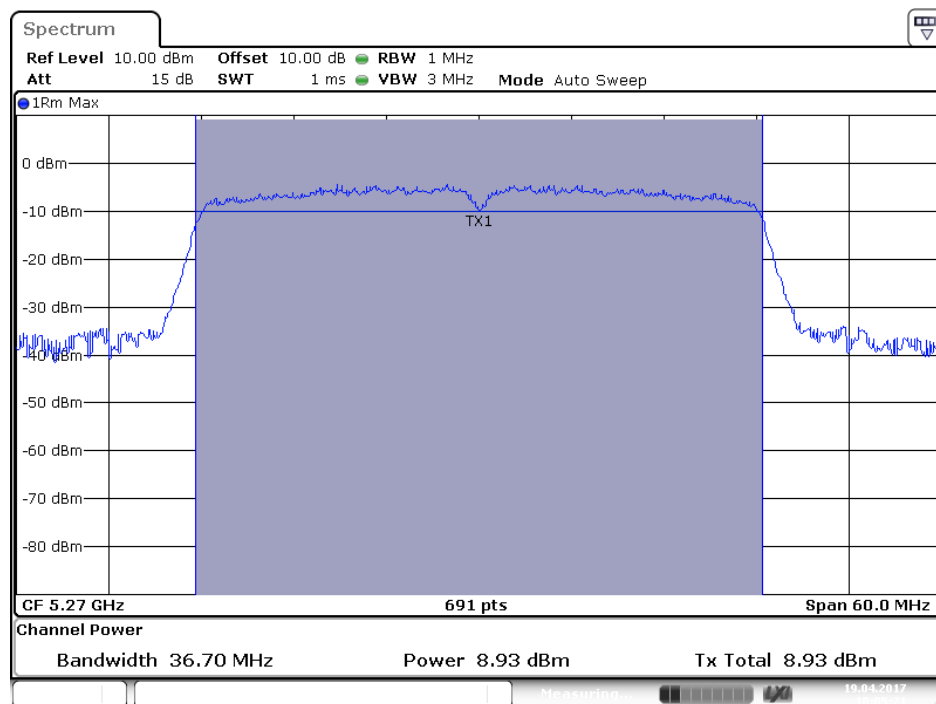
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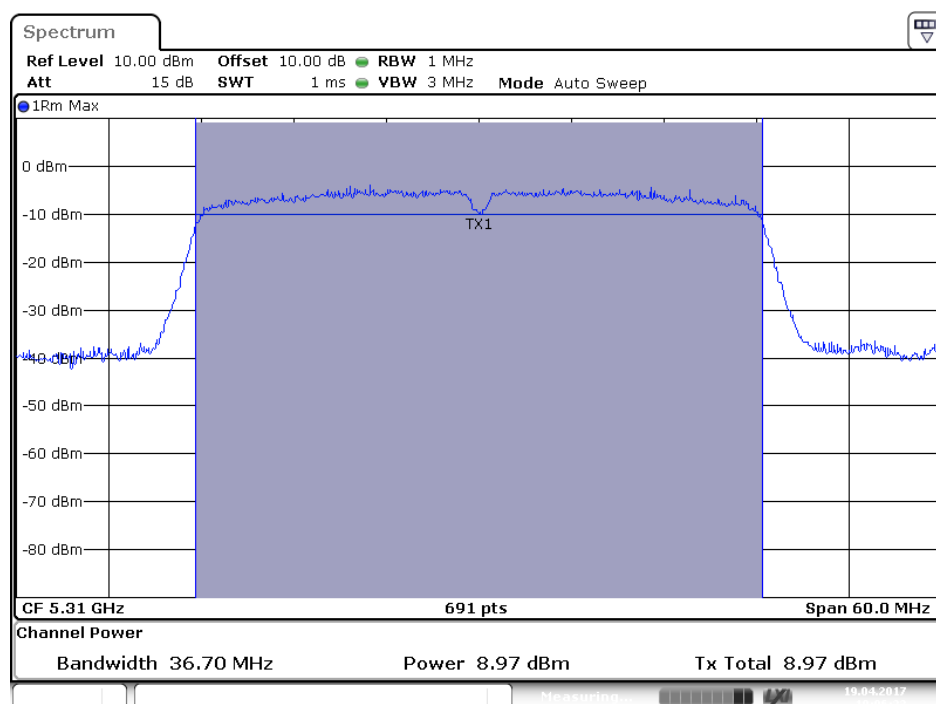
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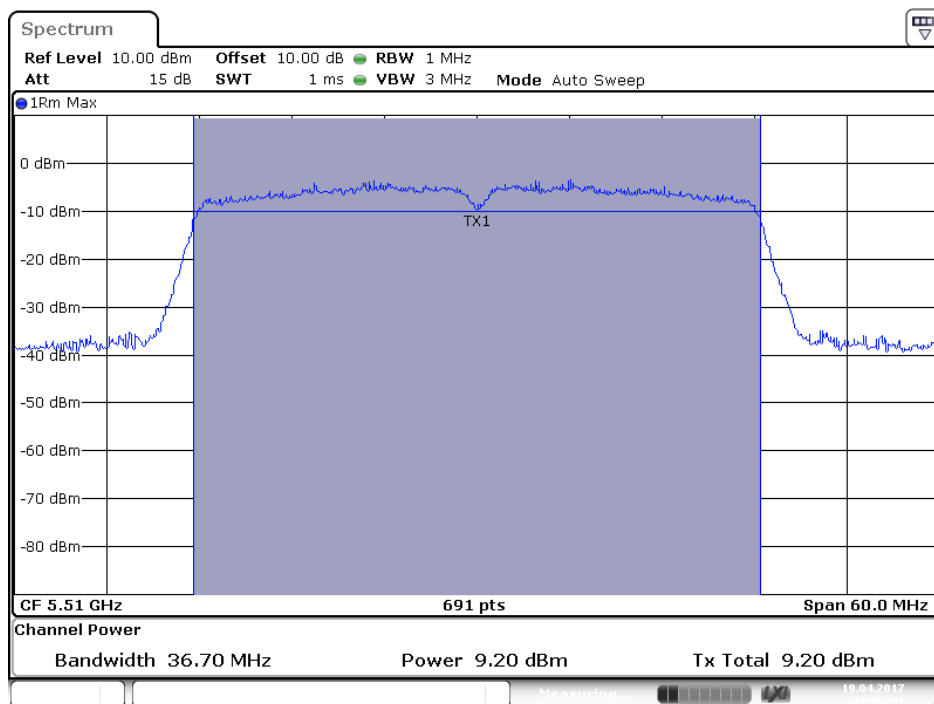
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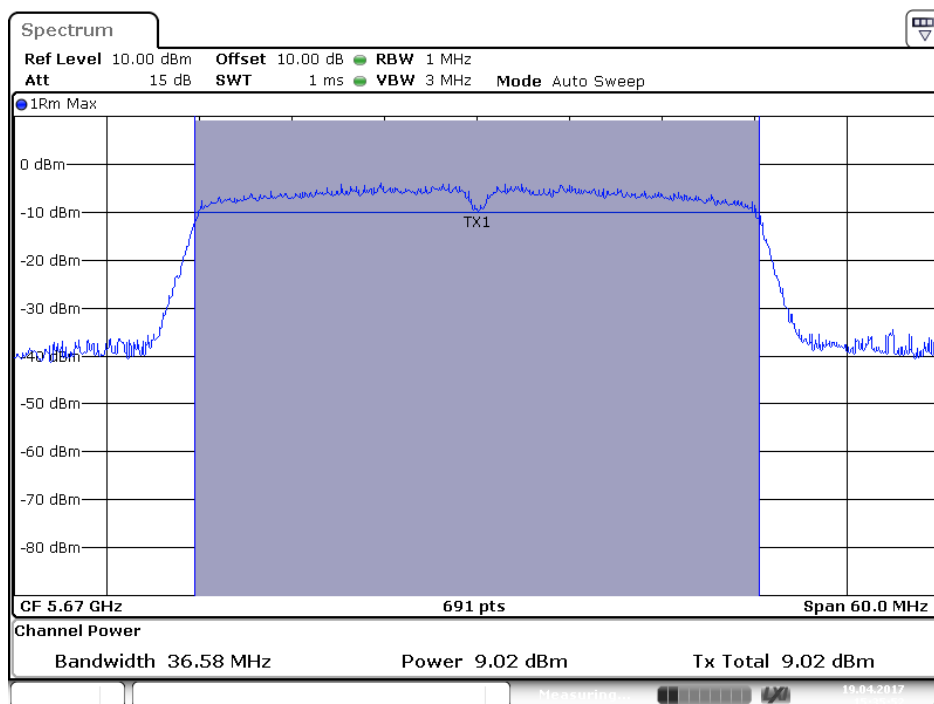
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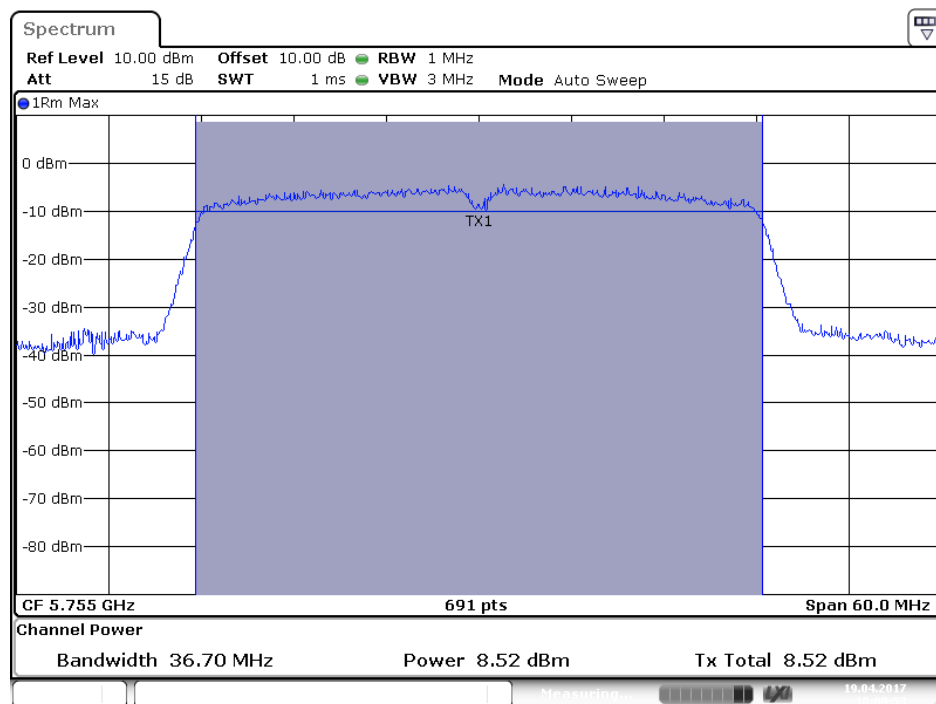
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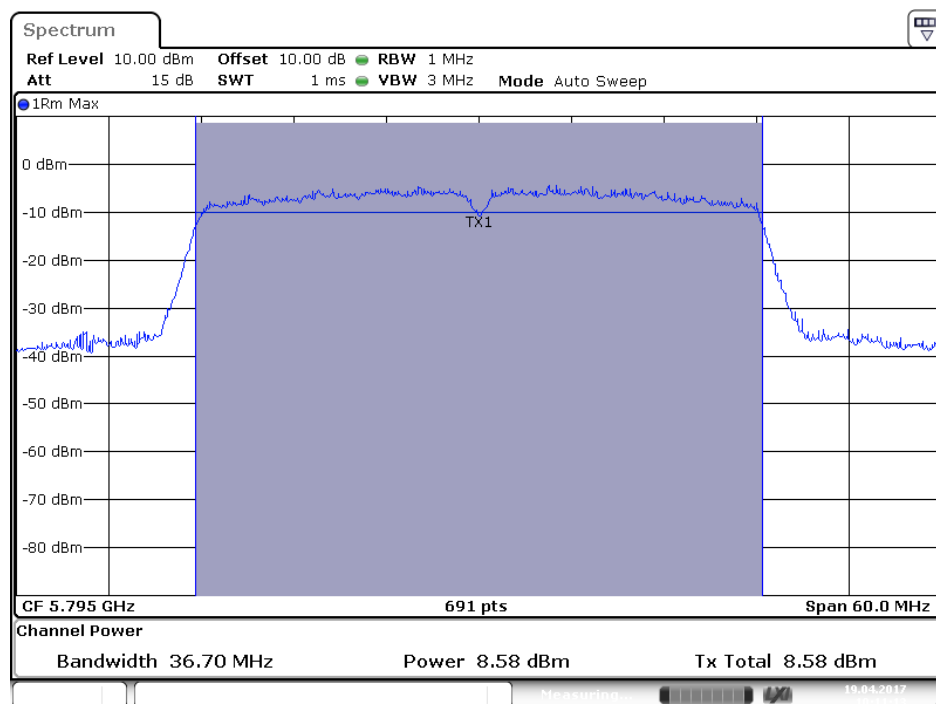
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Date: 19.APR.2017 15:35:52

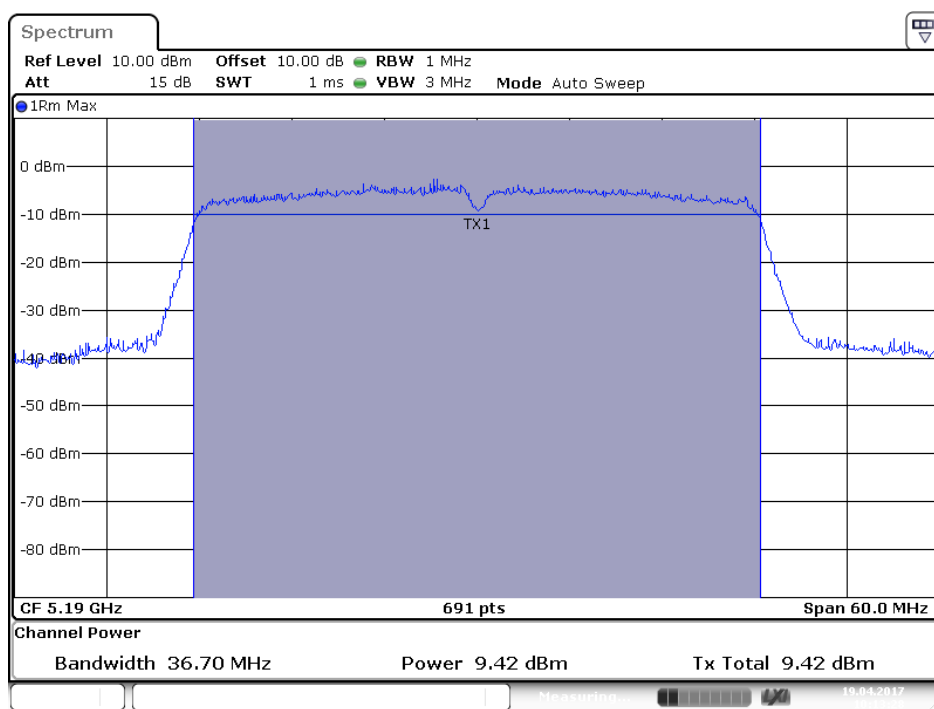


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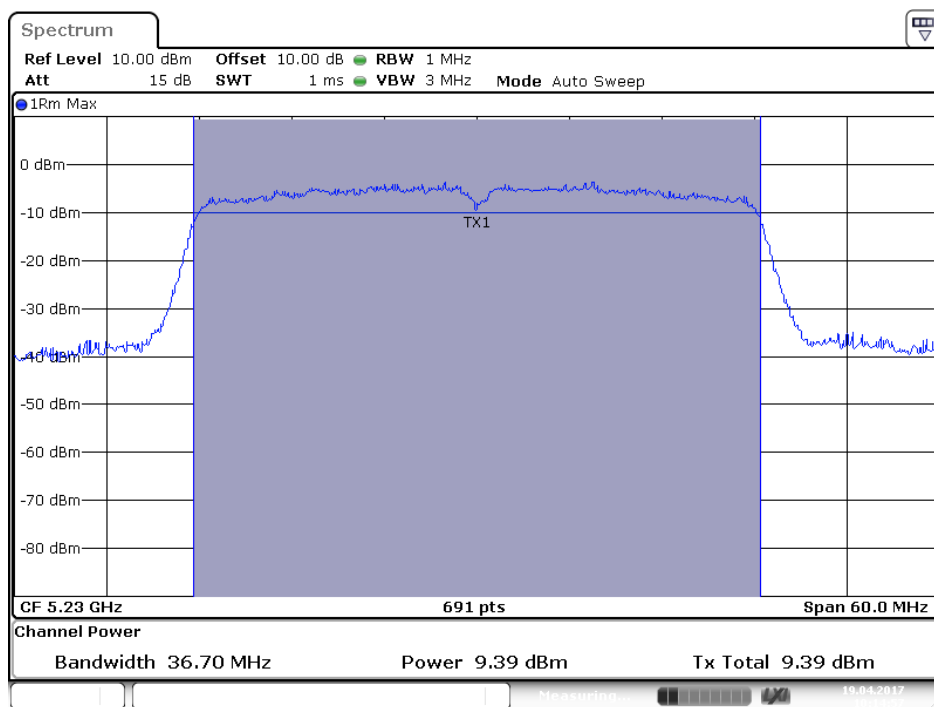


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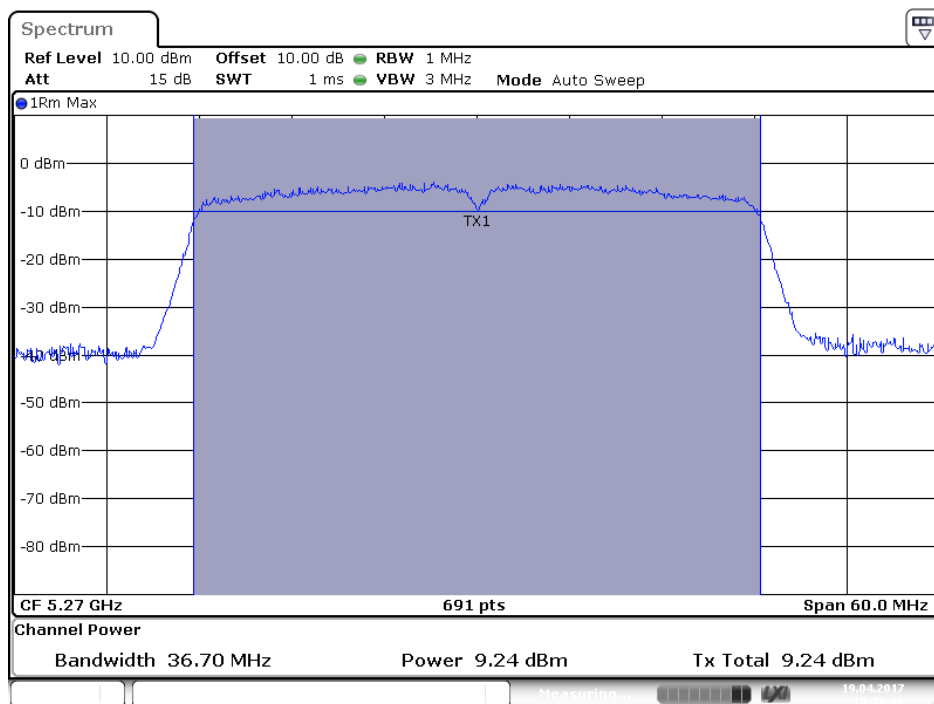
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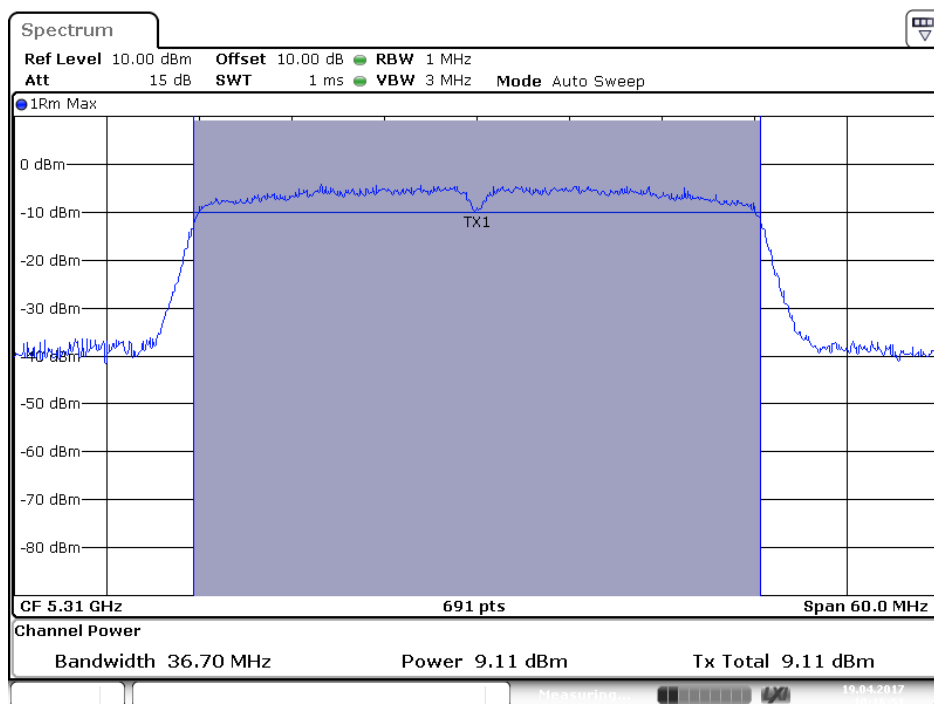
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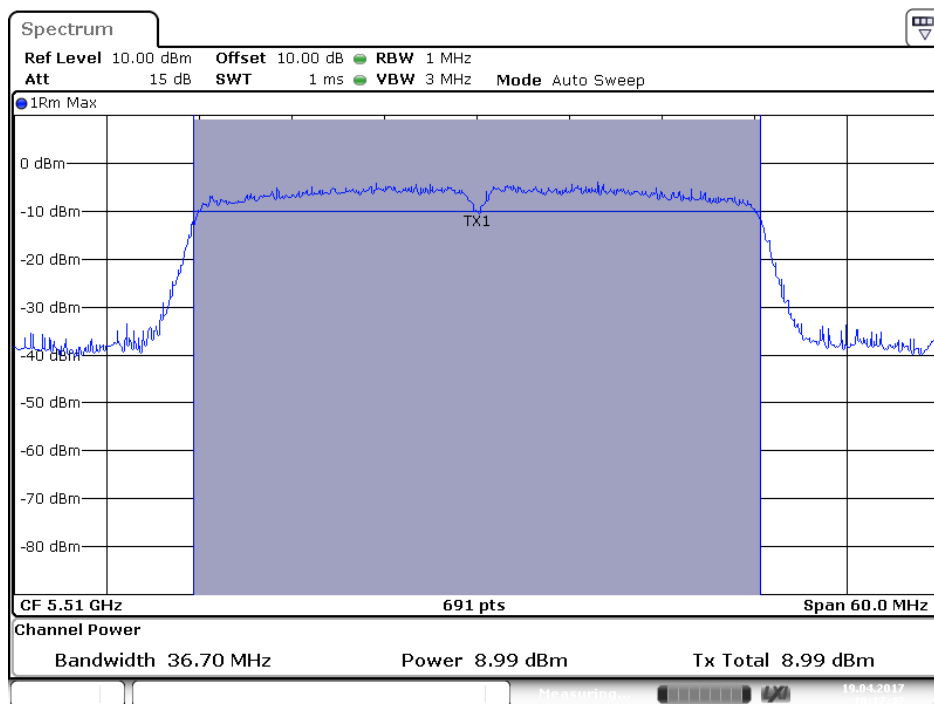
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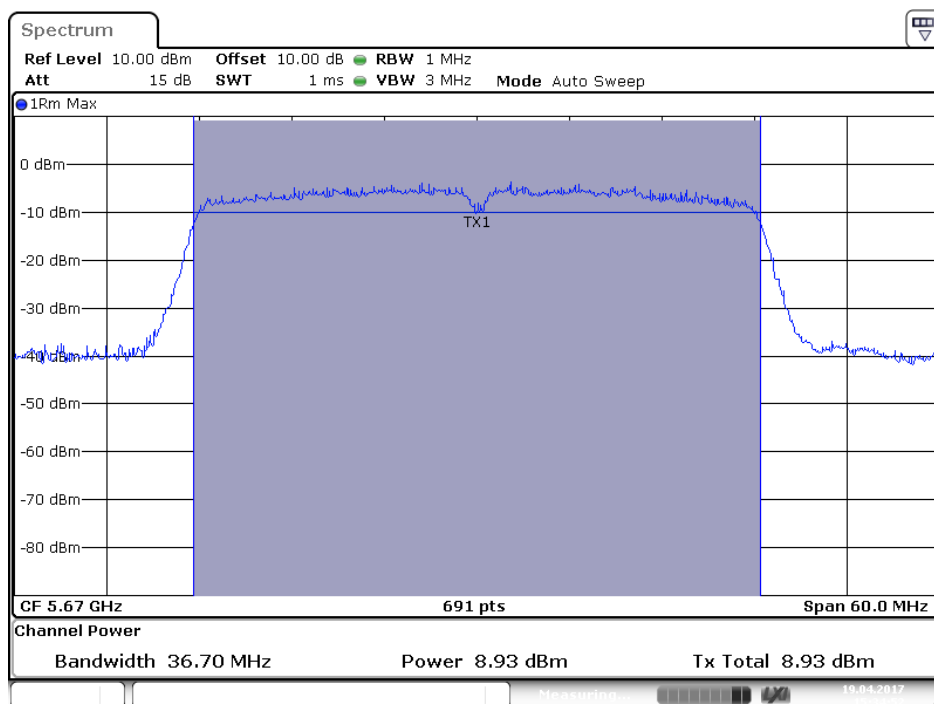
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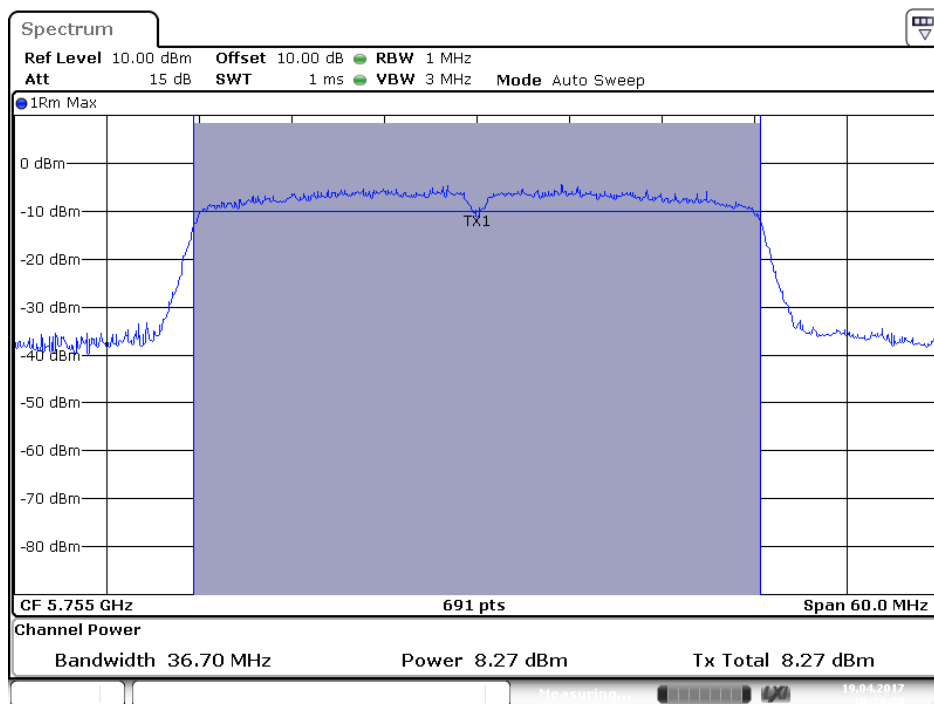
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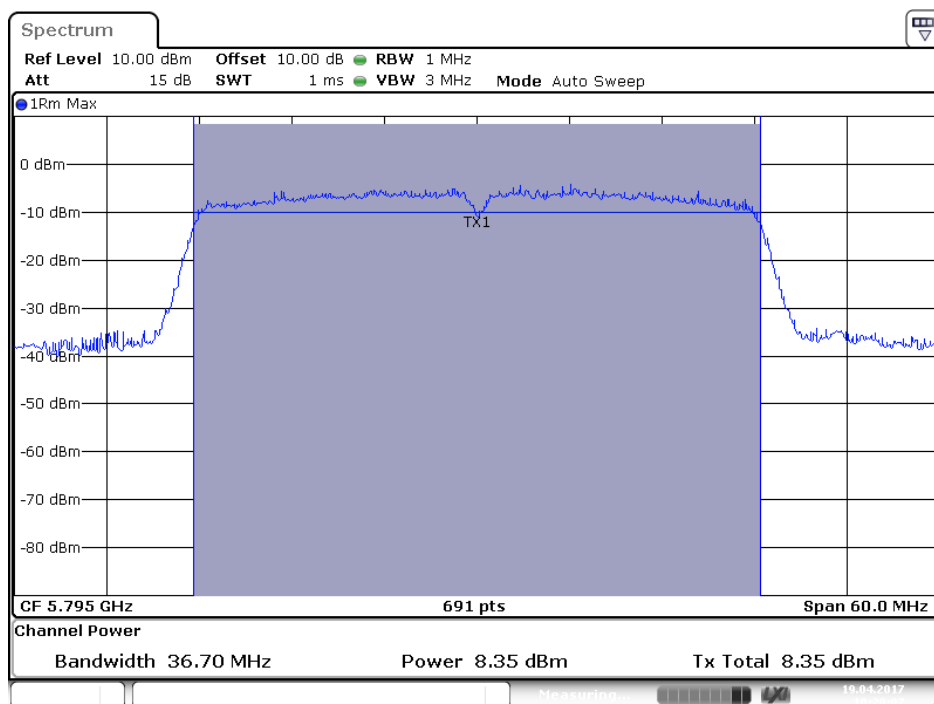
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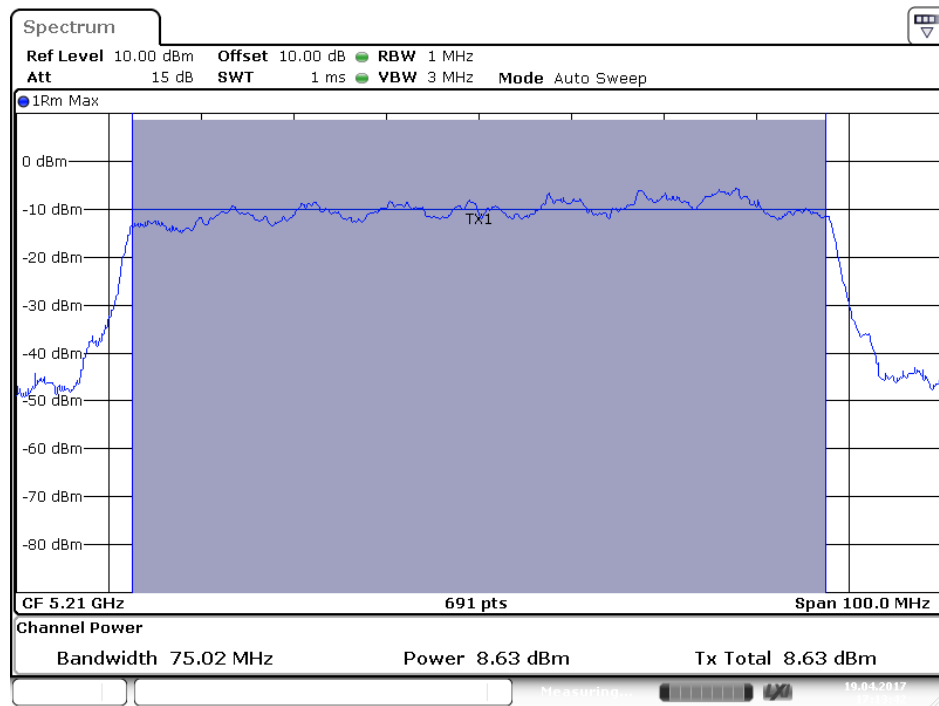


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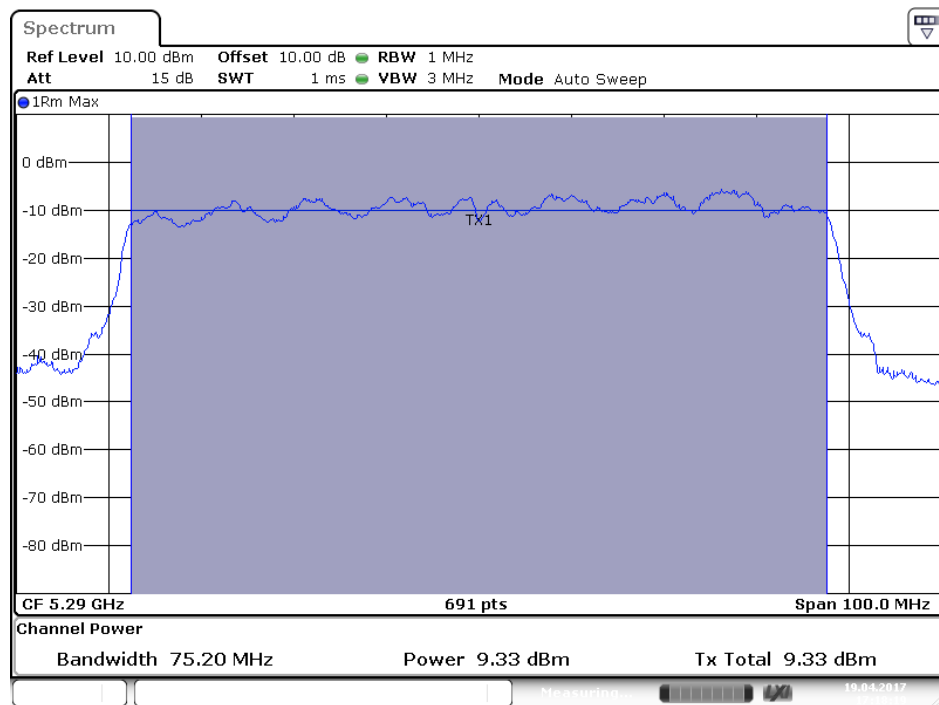


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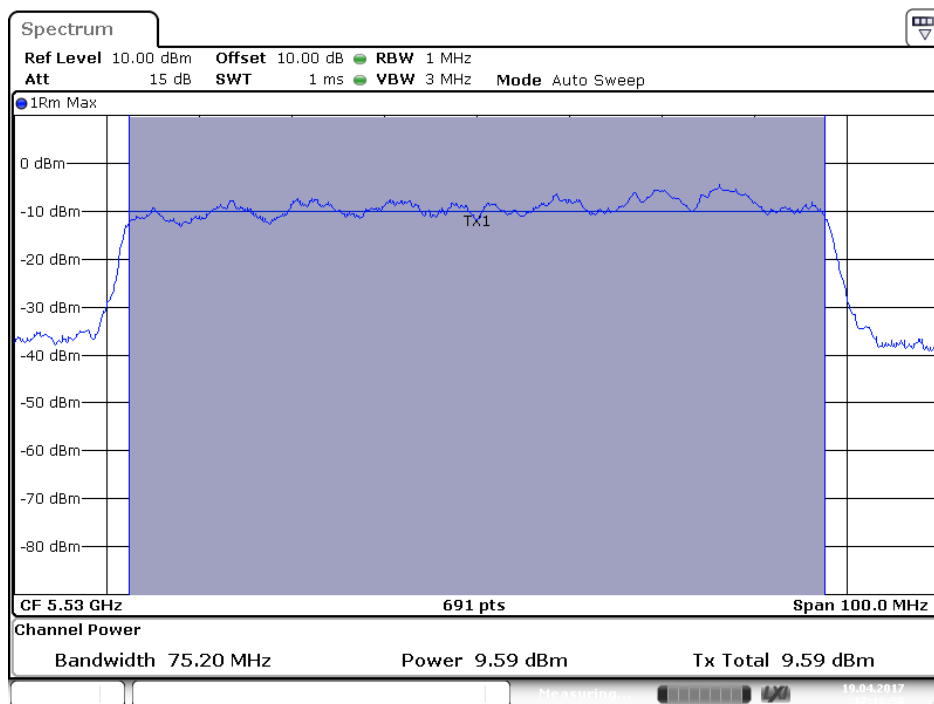
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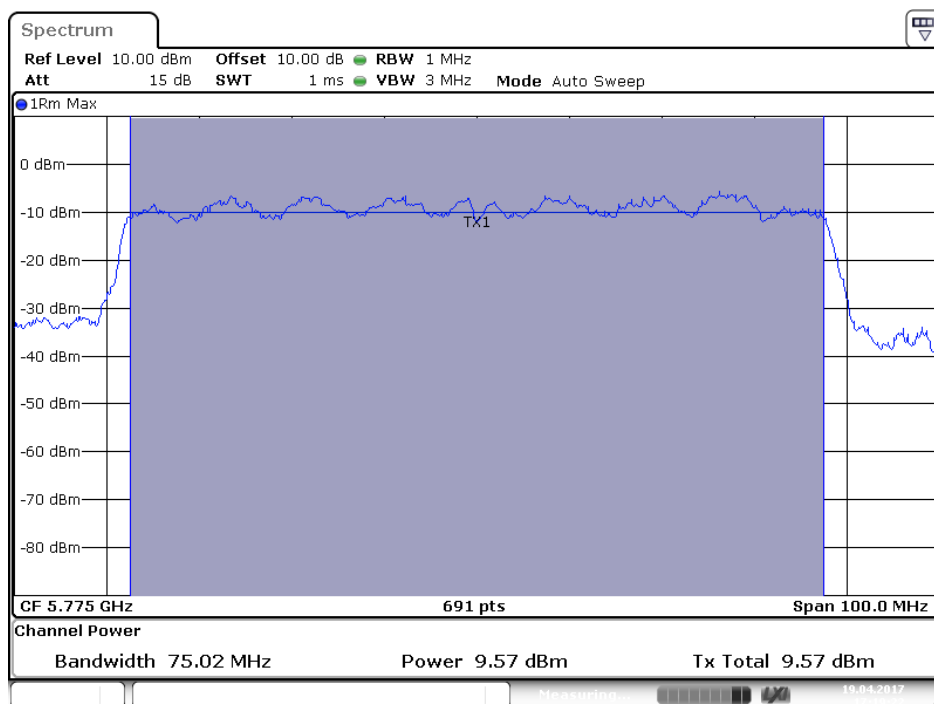
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Date: 19.APR.2017 17:18:19



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