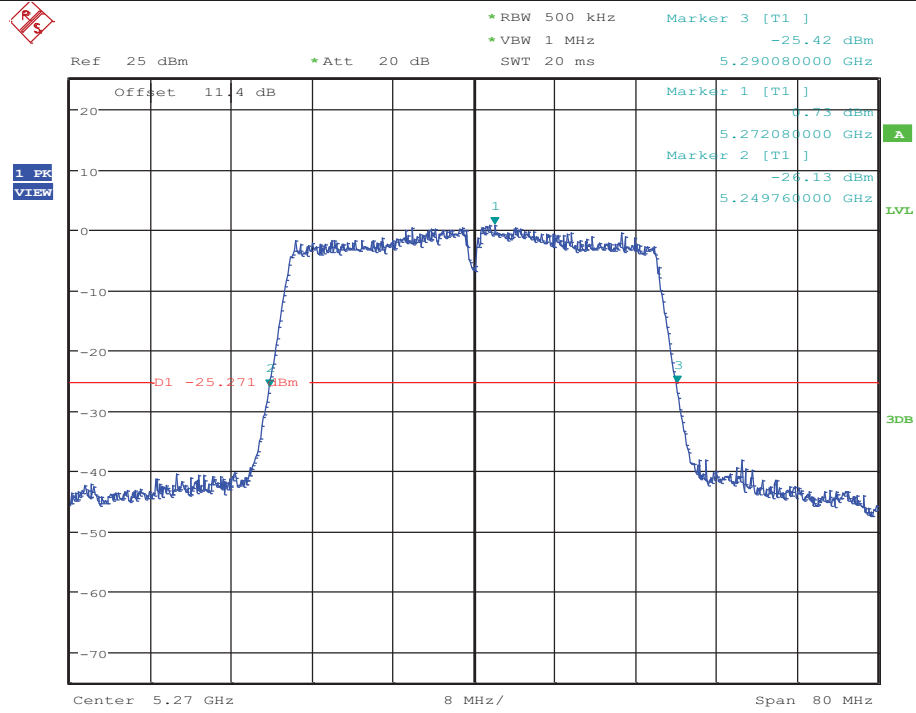
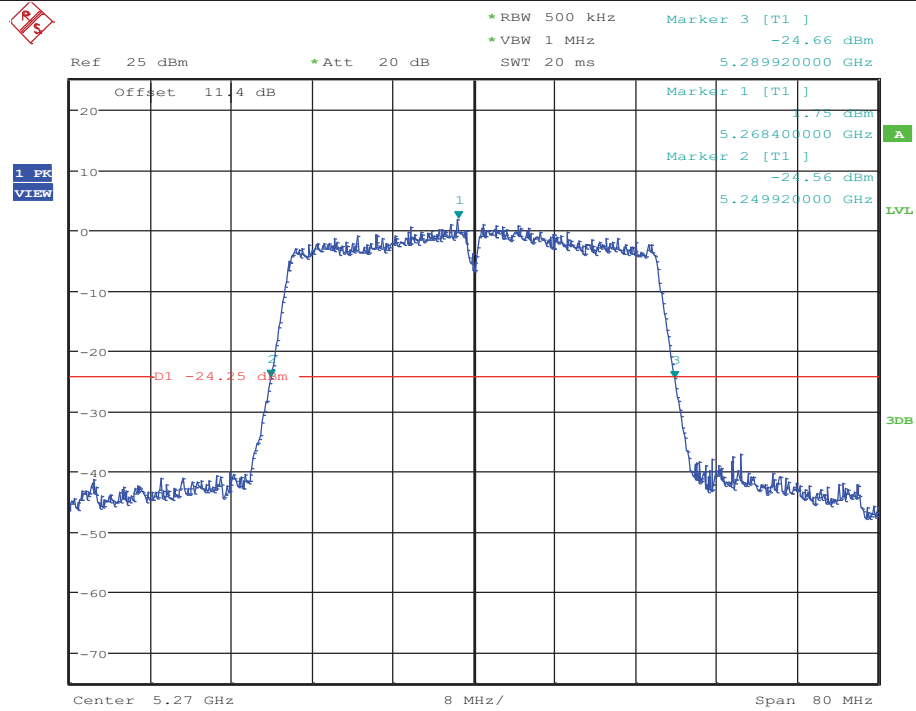


## Emission Bandwidth Measurement\_11AC40\_5270\_Ant1



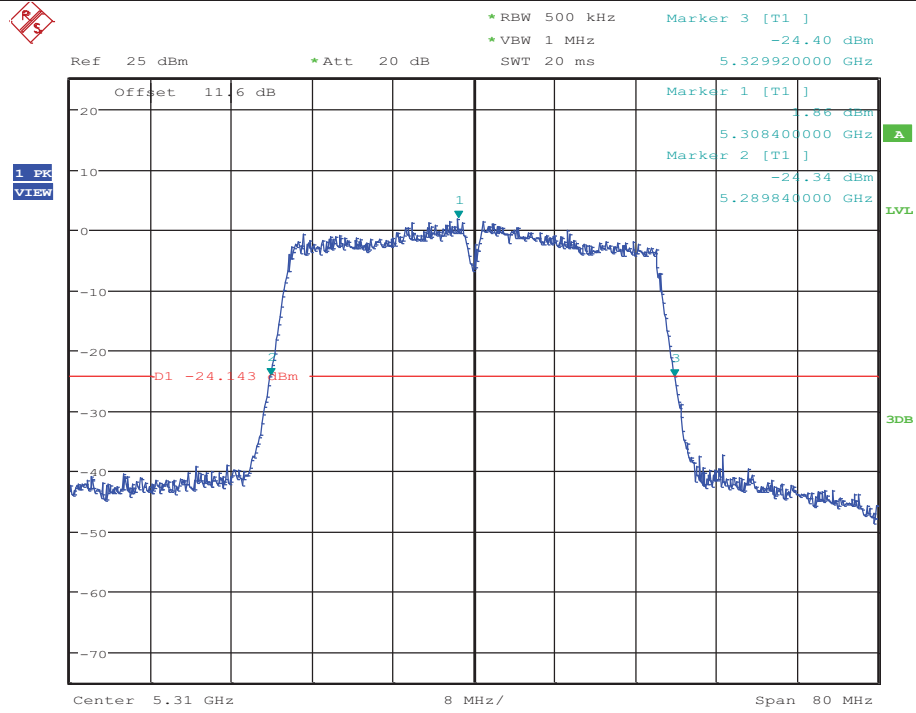
Date: 5.SEP.2017 09:56:40

## Emission Bandwidth Measurement\_11AC40\_5270\_Ant2



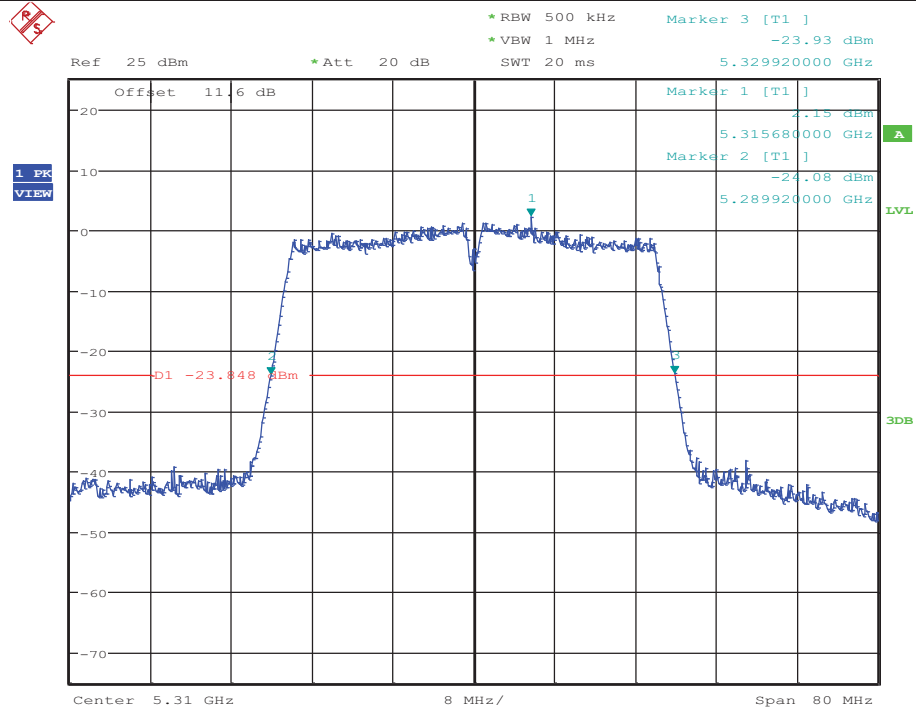
Date: 5.SEP.2017 21:05:28

## Emission Bandwidth Measurement\_11AC40\_5310\_Ant1



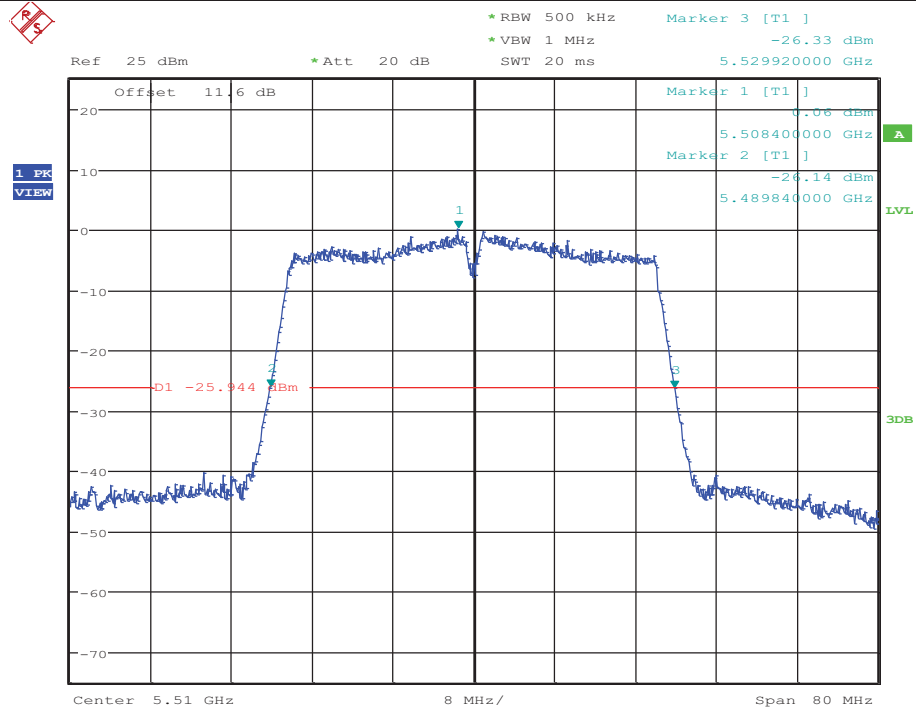
Date: 5.SEP.2017 10:01:07

## Emission Bandwidth Measurement\_11AC40\_5310\_Ant2



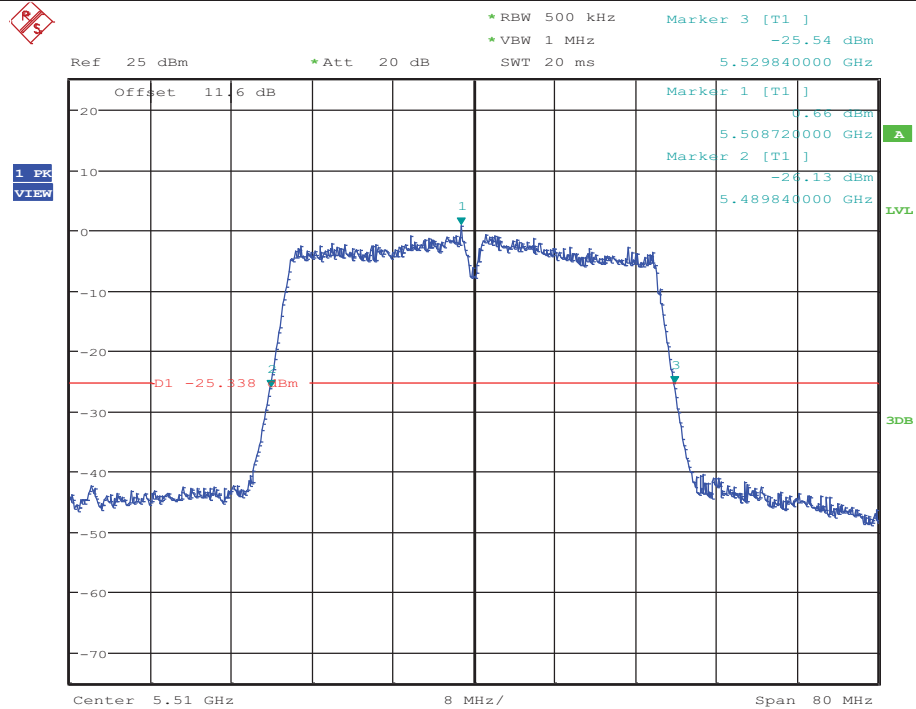
Date: 5.SEP.2017 21:09:57

## Emission Bandwidth Measurement\_11AC40\_5510\_Ant1



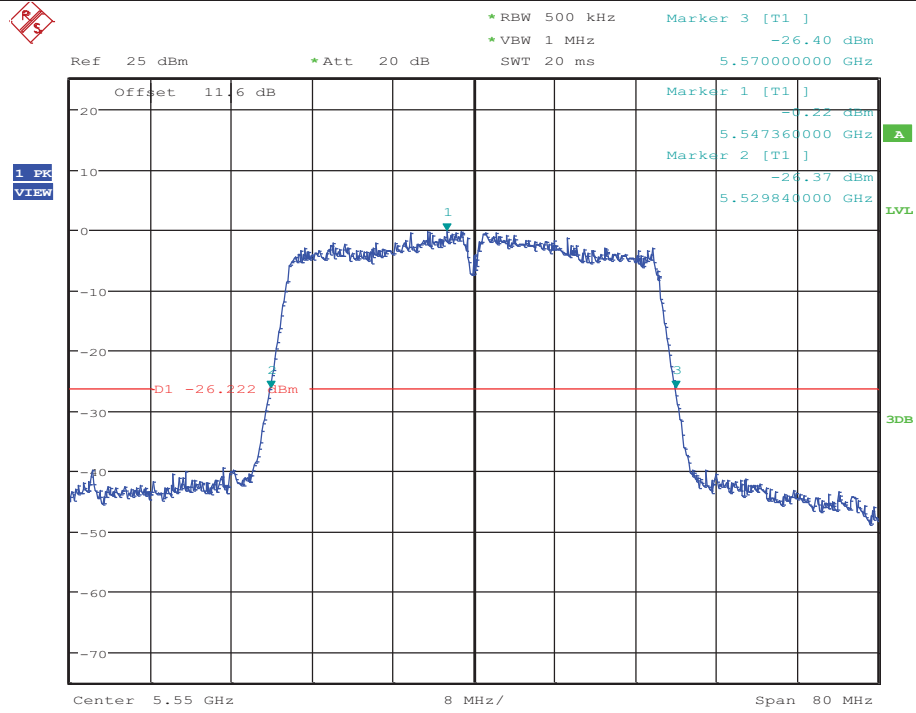
Date: 5.SEP.2017 10:06:01

## Emission Bandwidth Measurement\_11AC40\_5510\_Ant2



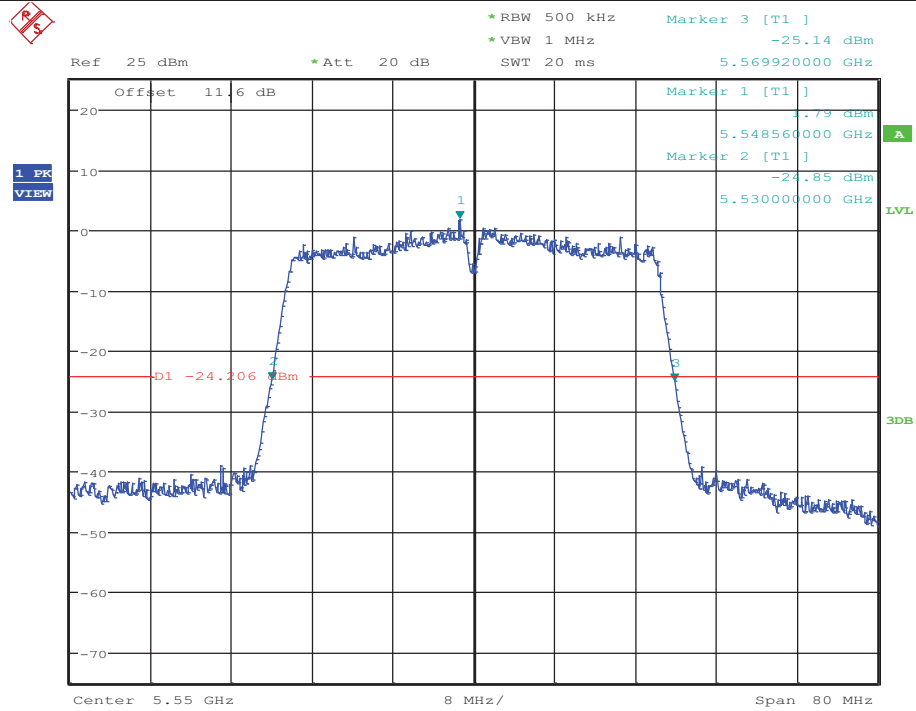
Date: 5.SEP.2017 21:15:33

## Emission Bandwidth Measurement\_11AC40\_5550\_Ant1



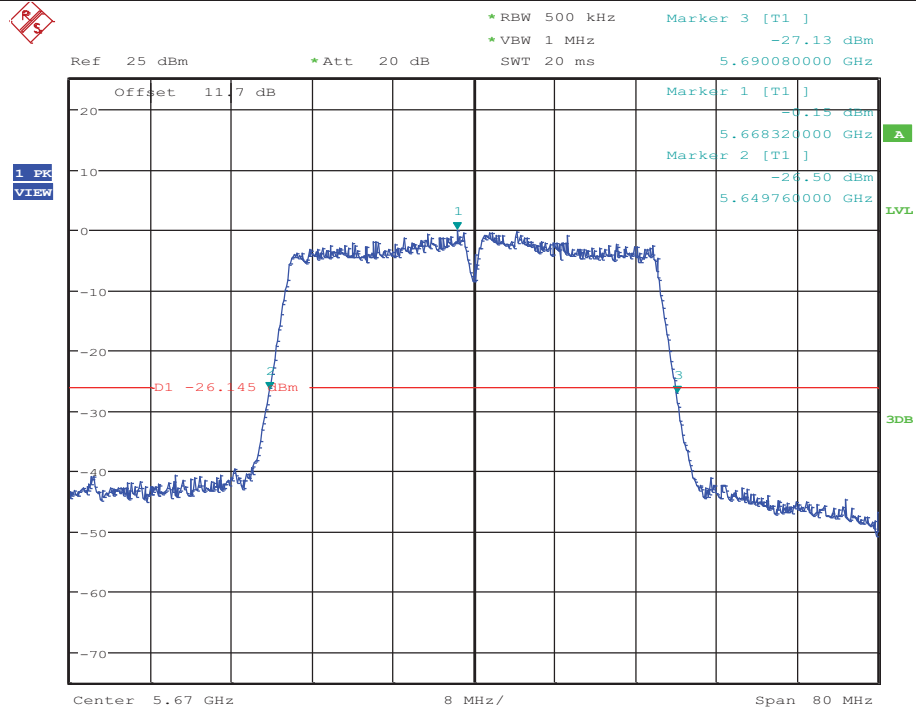
Date: 5.SEP.2017 10:11:09

## Emission Bandwidth Measurement\_11AC40\_5550\_Ant2



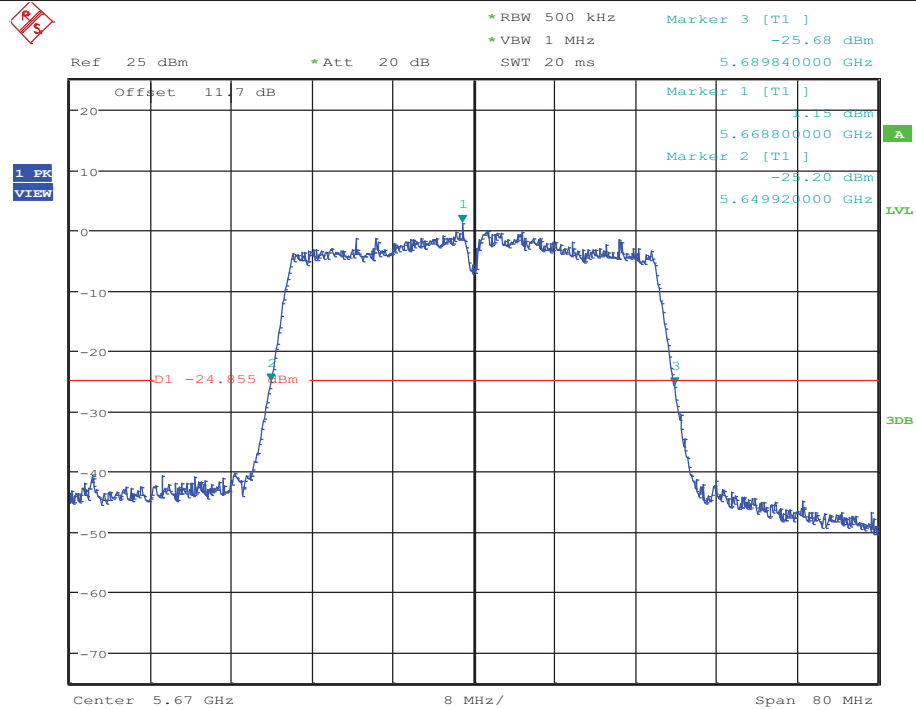
Date: 5.SEP.2017 21:20:09

## Emission Bandwidth Measurement\_11AC40\_5670\_Ant1



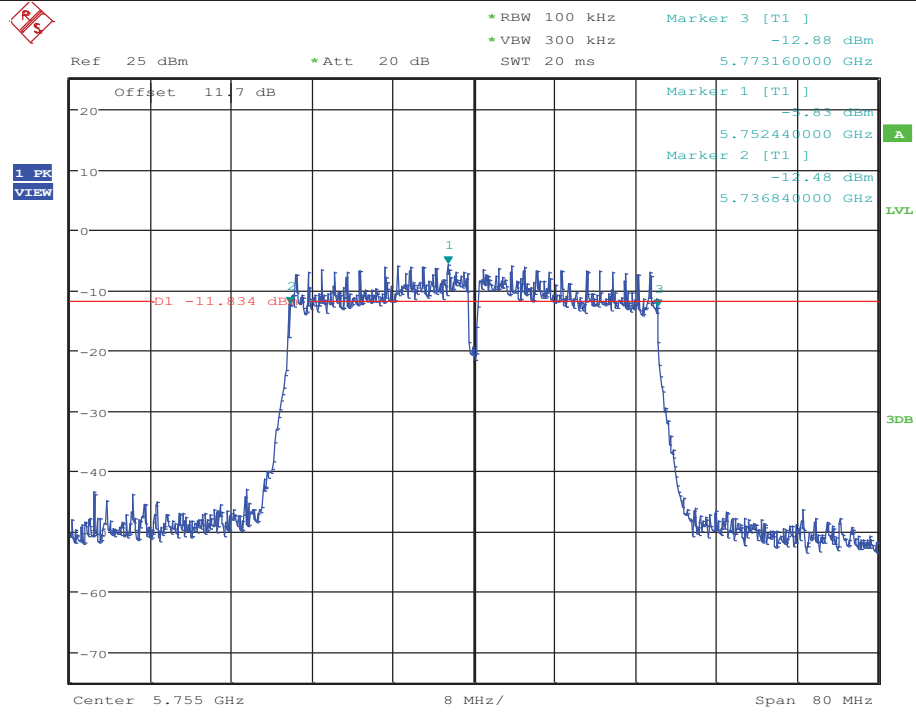
Date: 5.SEP.2017 10:15:24

## Emission Bandwidth Measurement\_11AC40\_5670\_Ant2



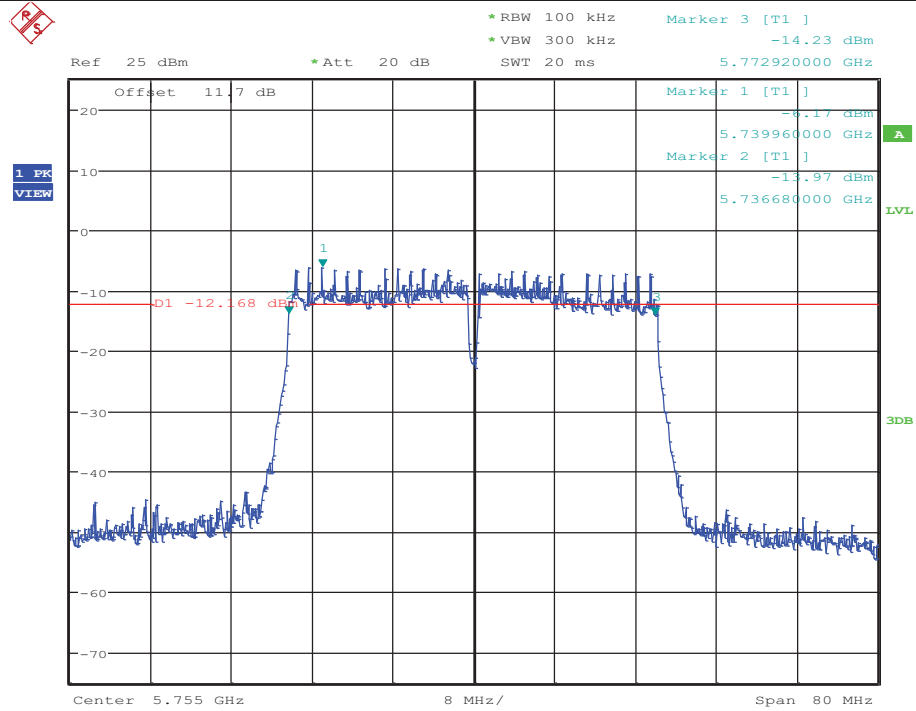
Date: 5.SEP.2017 21:24:46

## Emission Bandwidth Measurement\_11AC40\_5755\_Ant1



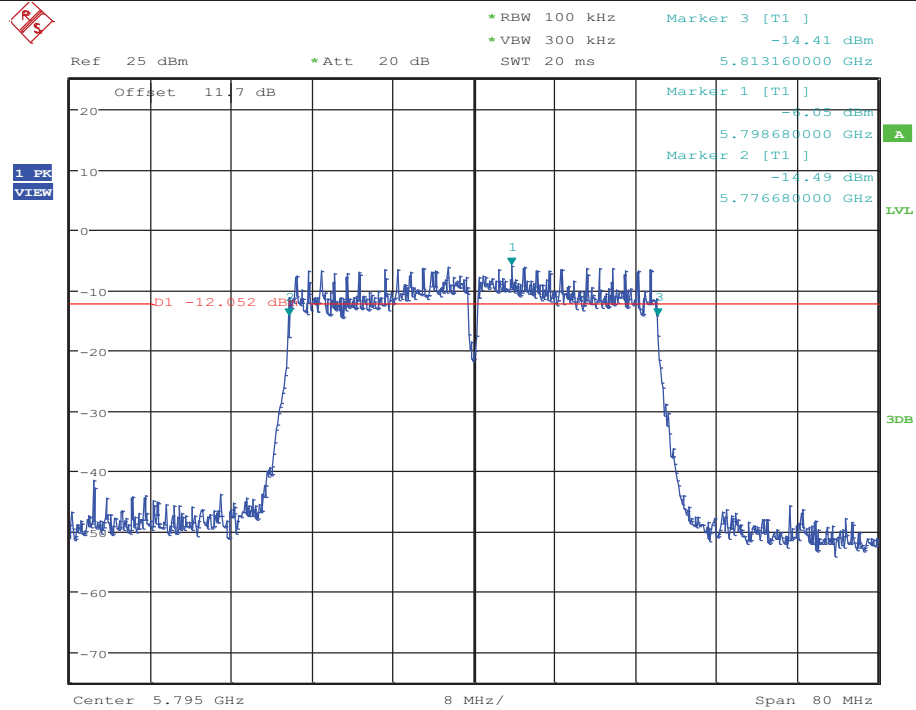
Date: 5.SEP.2017 10:19:48

## Emission Bandwidth Measurement\_11AC40\_5755\_Ant2



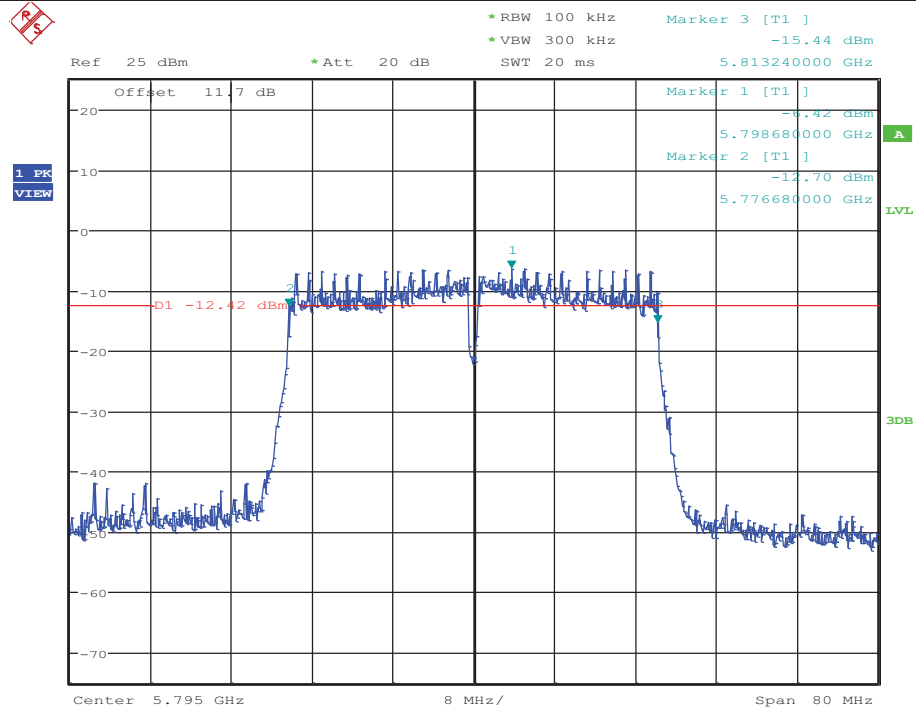
Date: 5.SEP.2017 21:29:13

## Emission Bandwidth Measurement\_11AC40\_5795\_Ant1



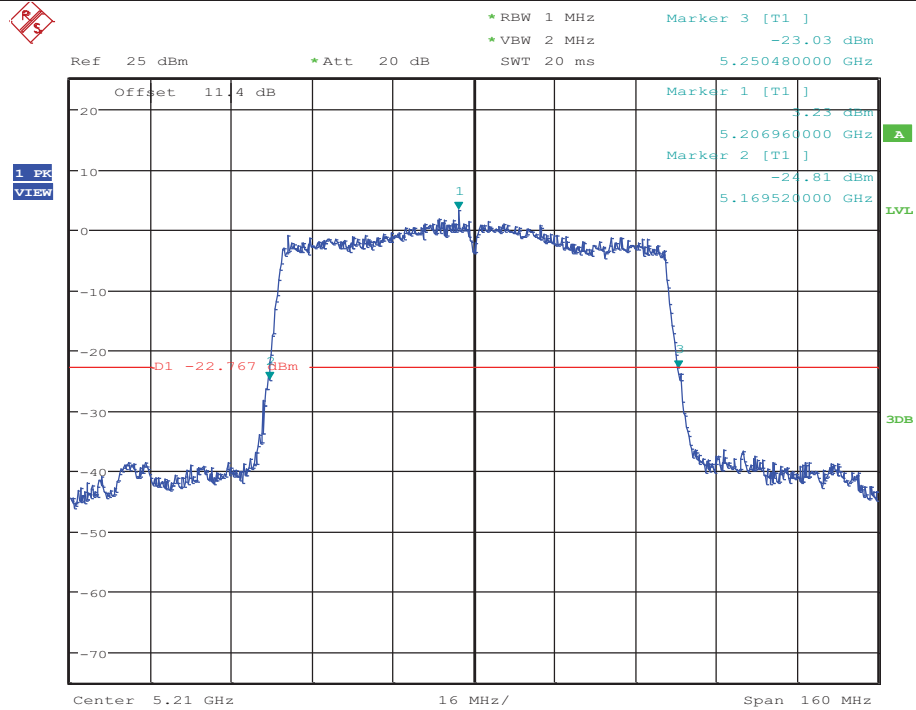
Date: 5.SEP.2017 10:24:23

## Emission Bandwidth Measurement\_11AC40\_5795\_Ant2



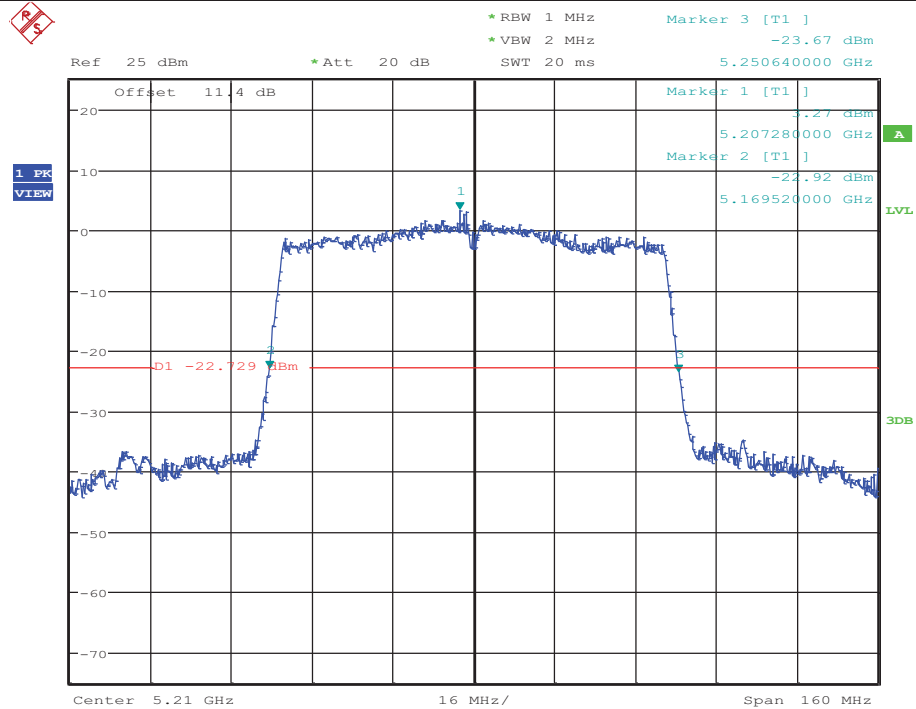
Date: 5.SEP.2017 21:33:40

## Emission Bandwidth Measurement\_11AC80\_5210\_Ant1



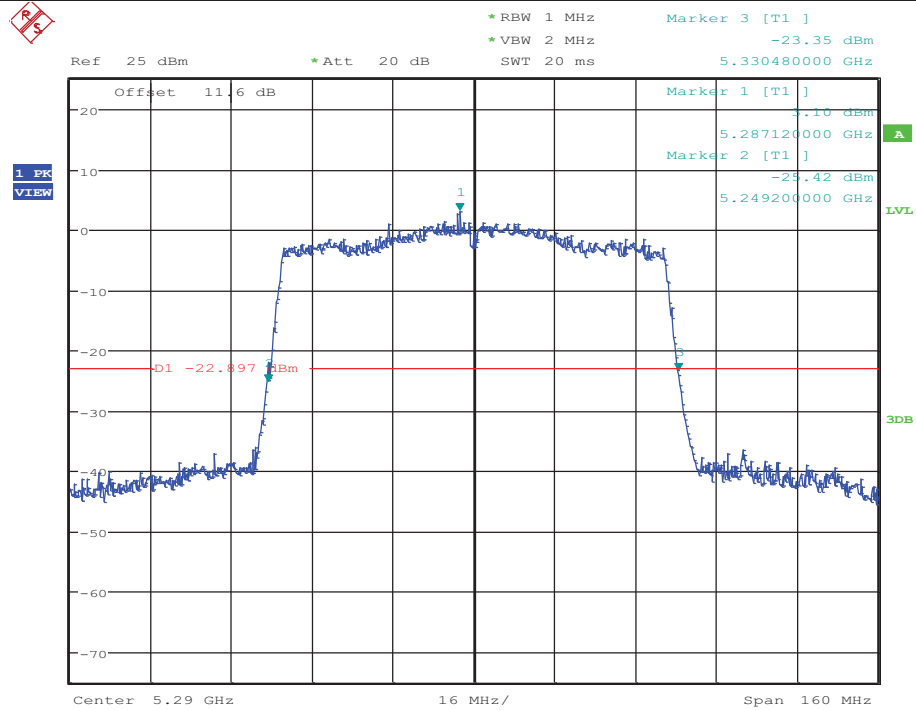
Date: 5.SEP.2017 10:35:35

## Emission Bandwidth Measurement\_11AC80\_5210\_Ant2



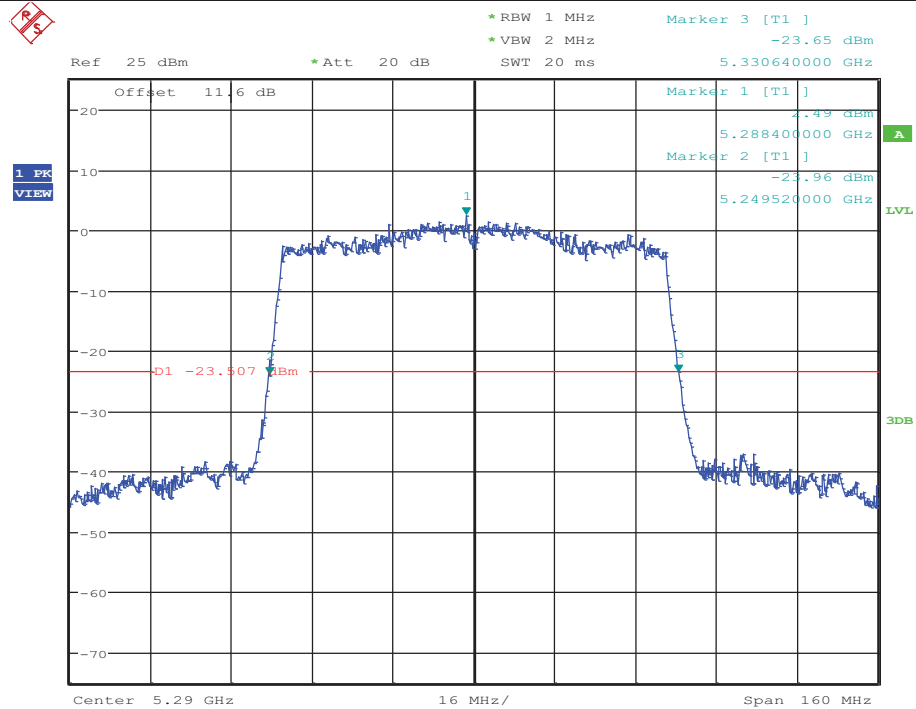
Date: 5.SEP.2017 21:38:20

## Emission Bandwidth Measurement\_11AC80\_5290\_Ant1



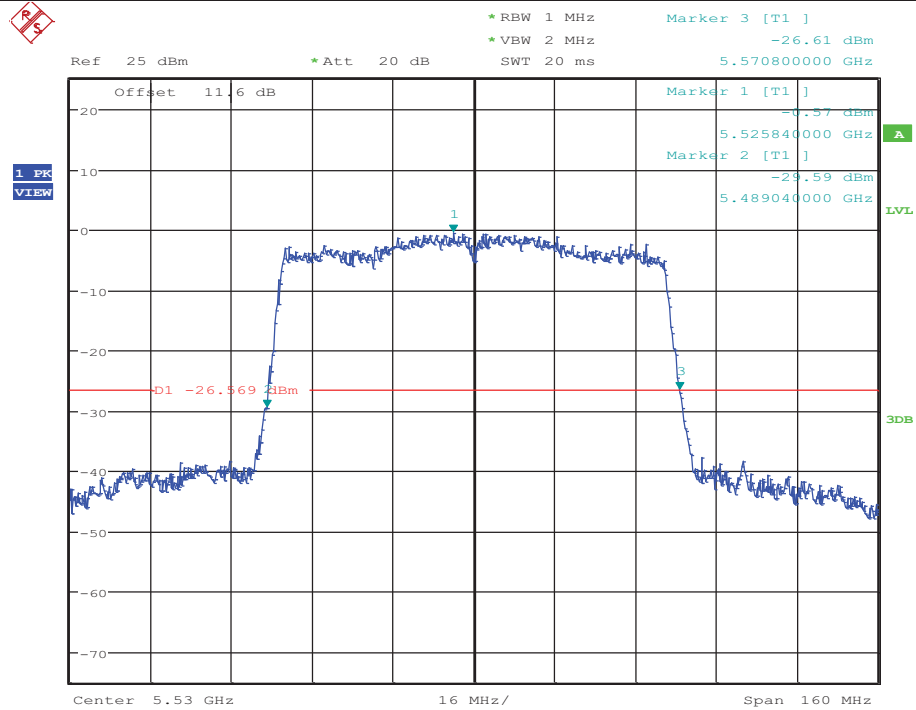
Date: 5.SEP.2017 11:05:52

## Emission Bandwidth Measurement\_11AC80\_5290\_Ant2



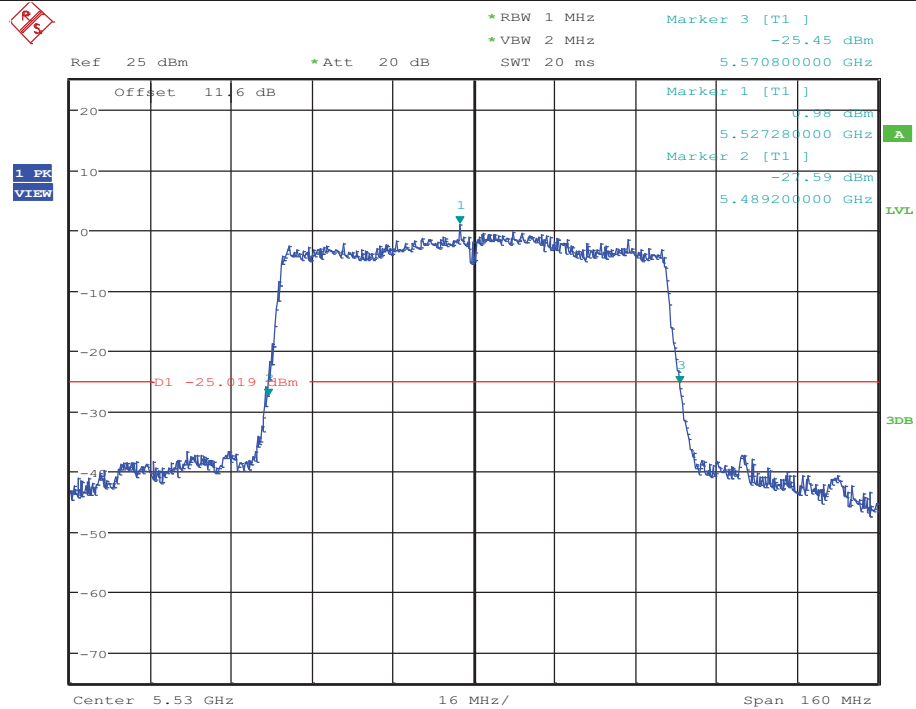
Date: 5.SEP.2017 21:43:03

## Emission Bandwidth Measurement\_11AC80\_5530\_Ant1



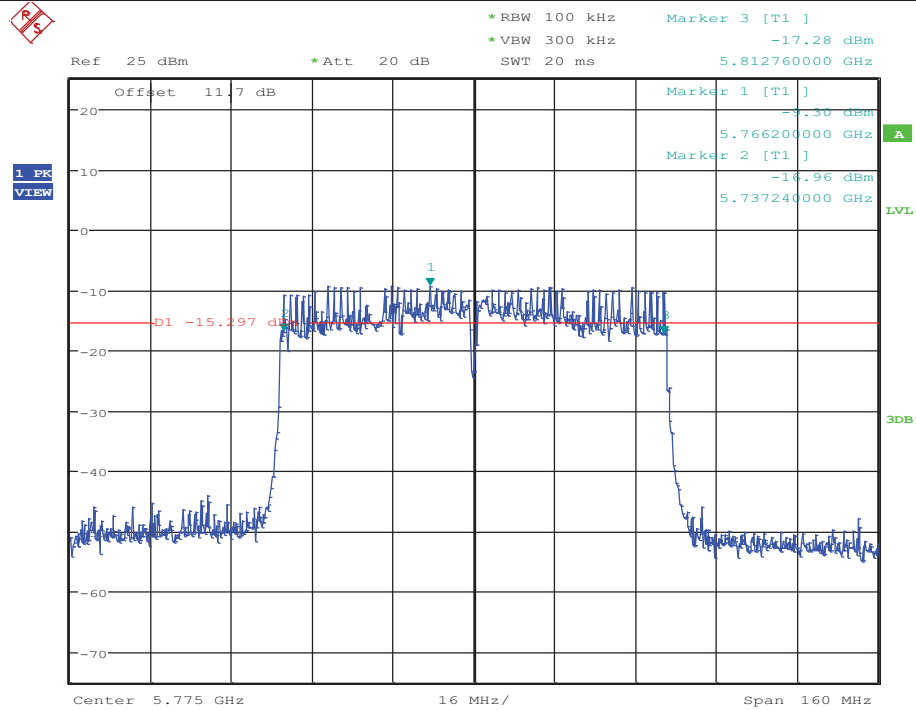
Date: 5.SEP.2017 11:10:20

## Emission Bandwidth Measurement\_11AC80\_5530\_Ant2



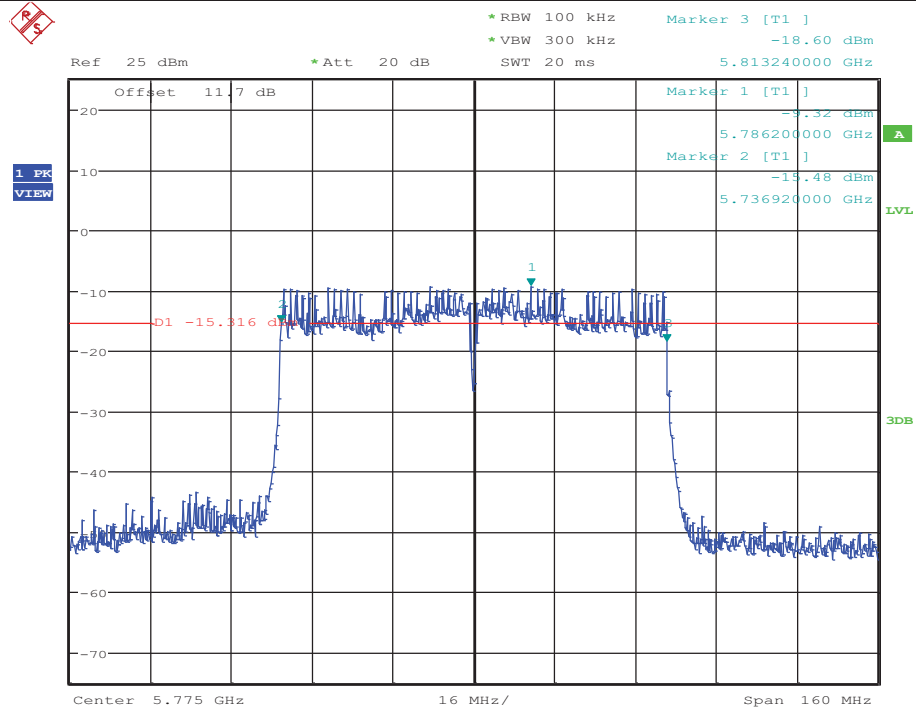
Date: 5.SEP.2017 21:48:32

## Emission Bandwidth Measurement\_11AC80\_5775\_Ant1



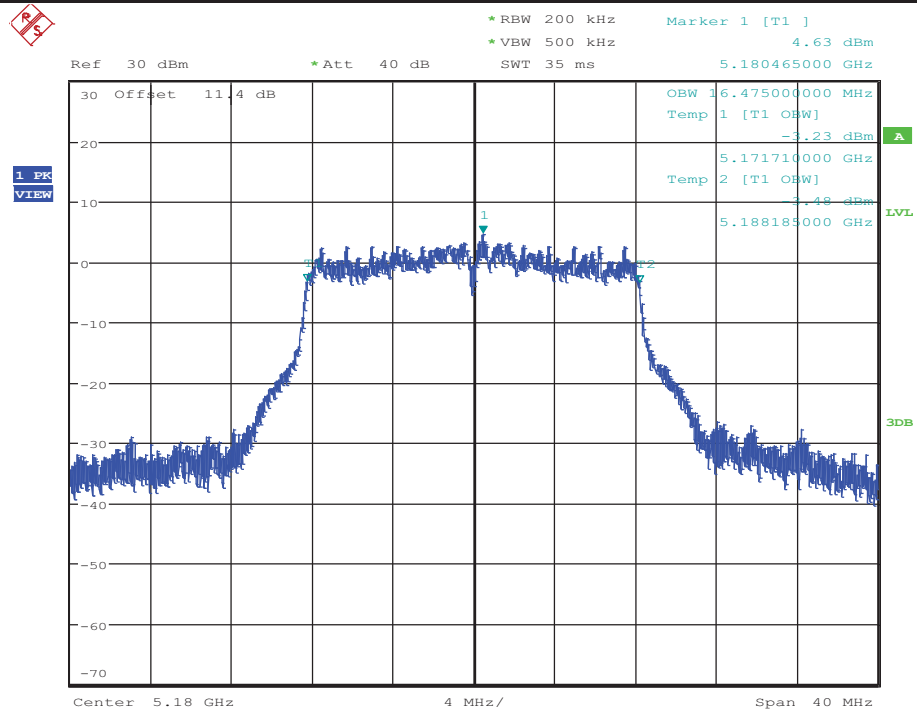
Date: 5.SEP.2017 11:14:47

## Emission Bandwidth Measurement\_11AC80\_5775\_Ant2

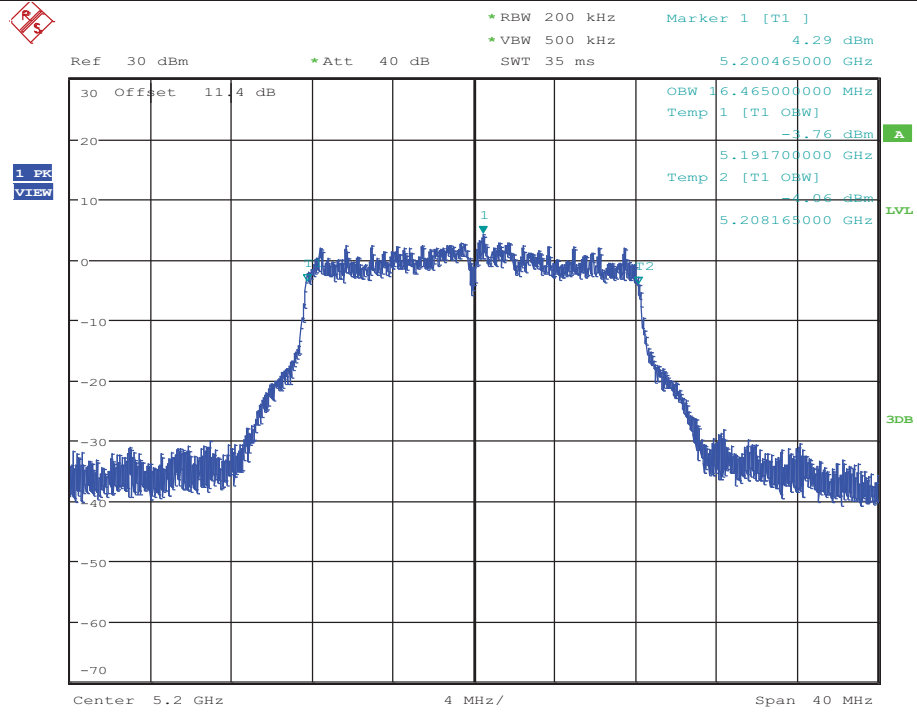


Date: 5.SEP.2017 21:53:01

## Occupied Bandwidth Measurement\_11A\_5180\_Ant1

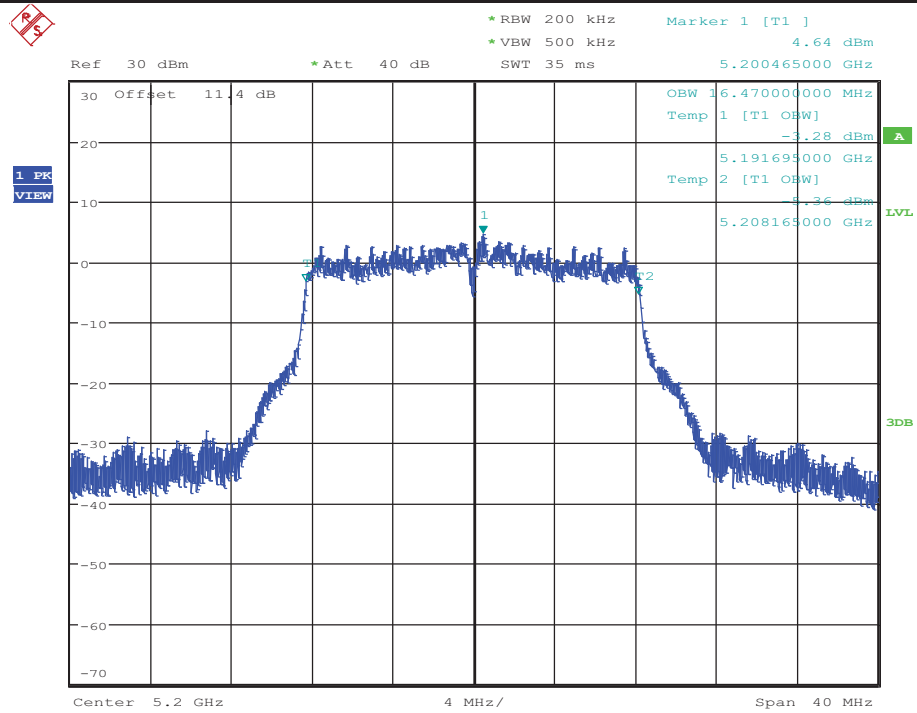


## Occupied Bandwidth Measurement\_11A\_5200\_Ant1



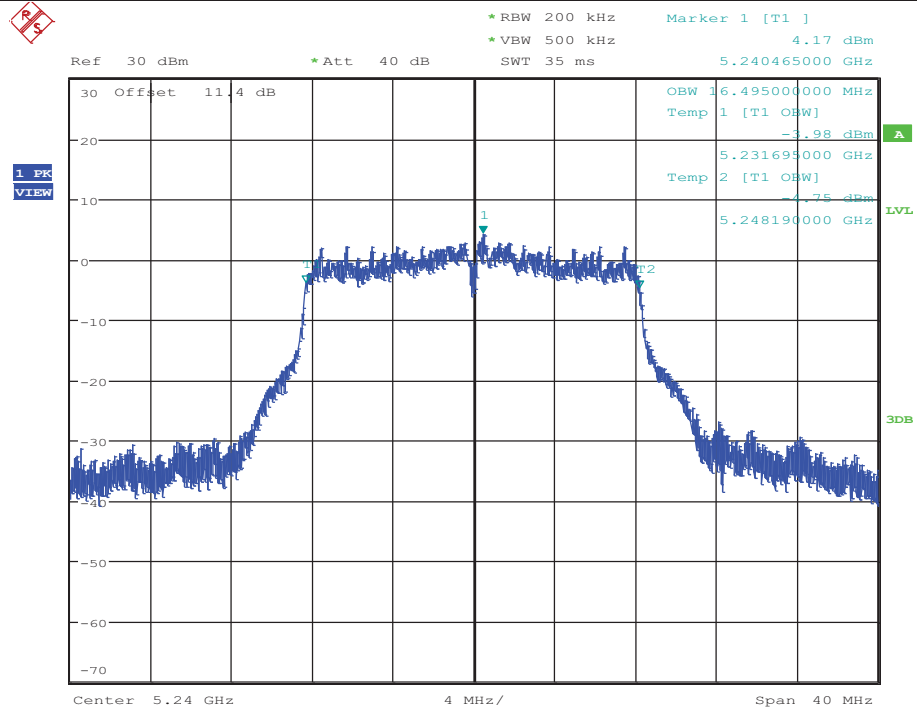
Date: 4.SEP.2017 17:34:30

## Occupied Bandwidth Measurement\_11A\_5200\_Ant2



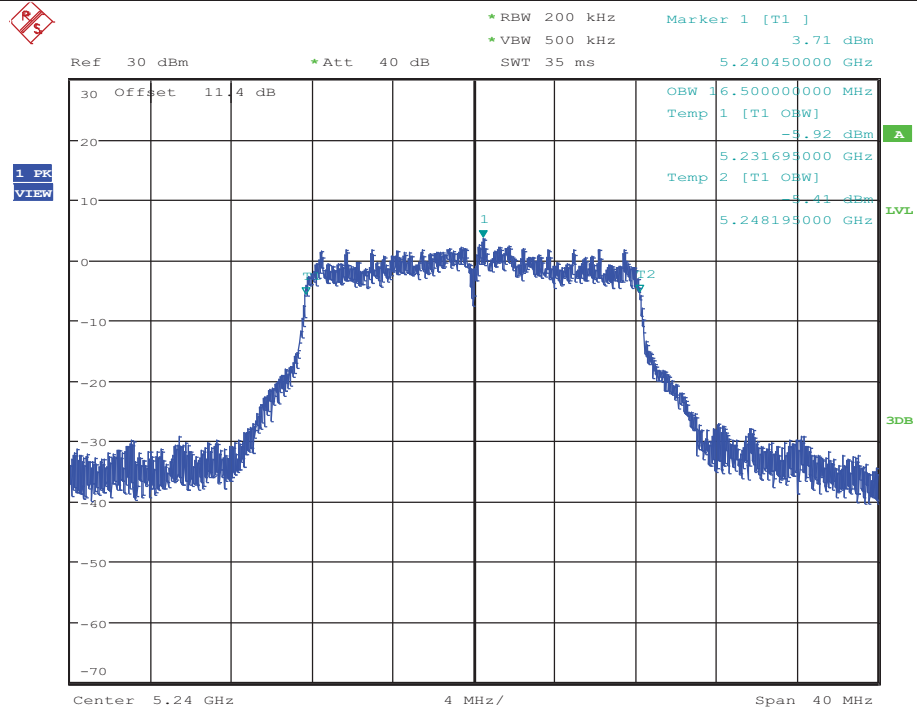
Date: 5.SEP.2017 11:27:15

## Occupied Bandwidth Measurement\_11A\_5240\_Ant1



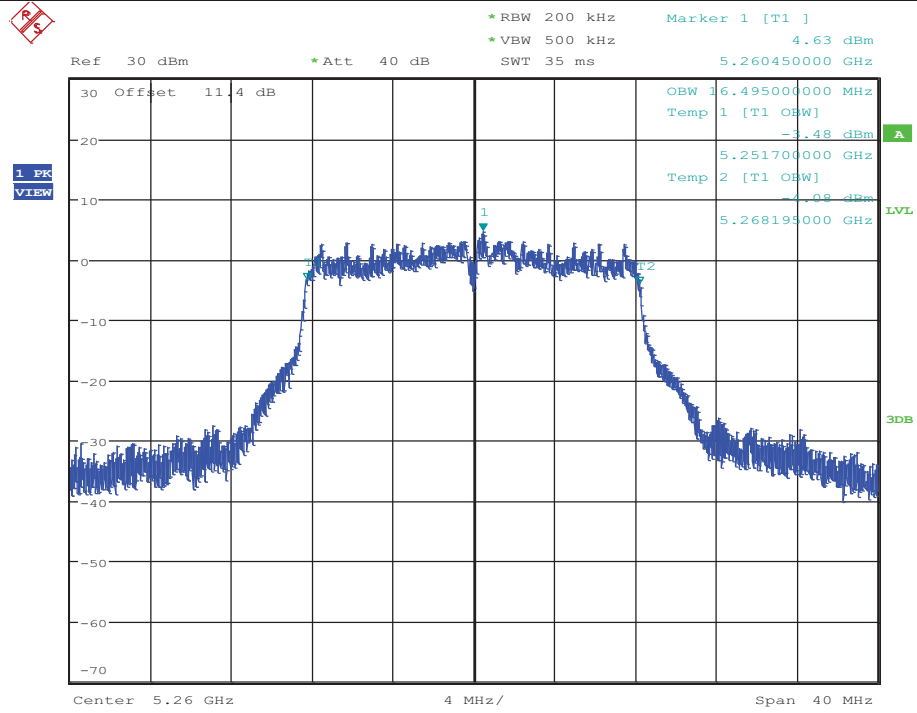
Date: 4.SEP.2017 17:39:20

## Occupied Bandwidth Measurement\_11A\_5240\_Ant2



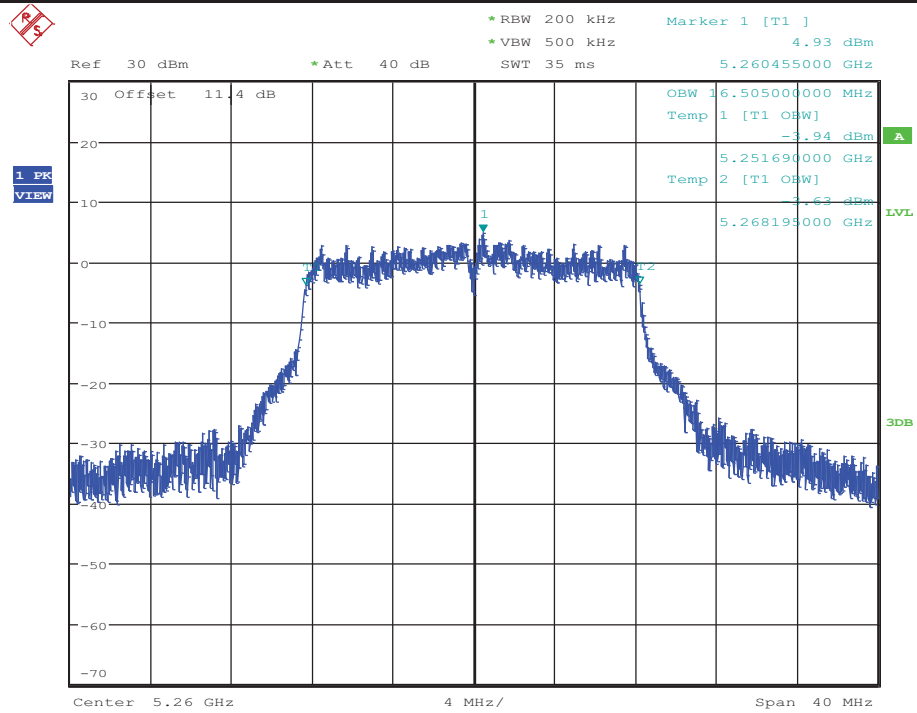
Date: 5.SEP.2017 11:32:22

## Occupied Bandwidth Measurement\_11A\_5260\_Ant1



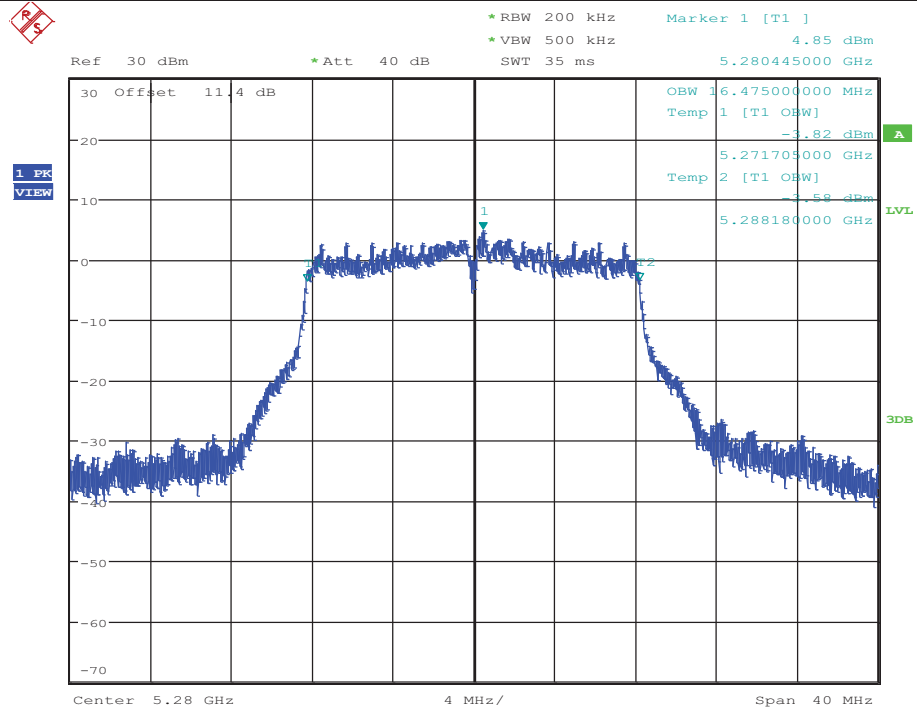
Date: 4.SEP.2017 18:08:30

## Occupied Bandwidth Measurement\_11A\_5260\_Ant2



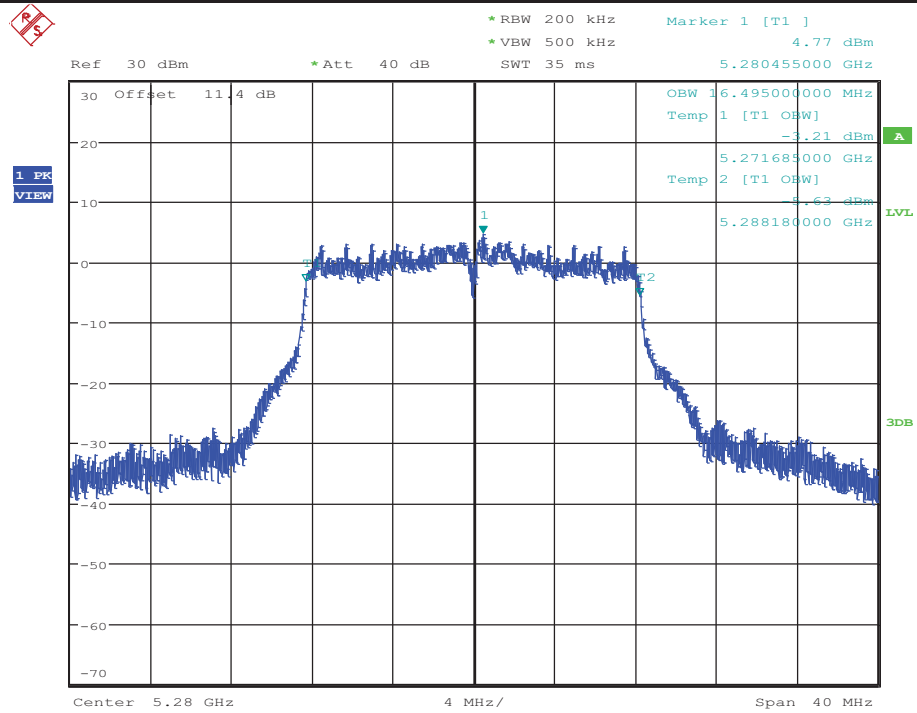
Date: 5.SEP.2017 11:37:29

## Occupied Bandwidth Measurement\_11A\_5280\_Ant1



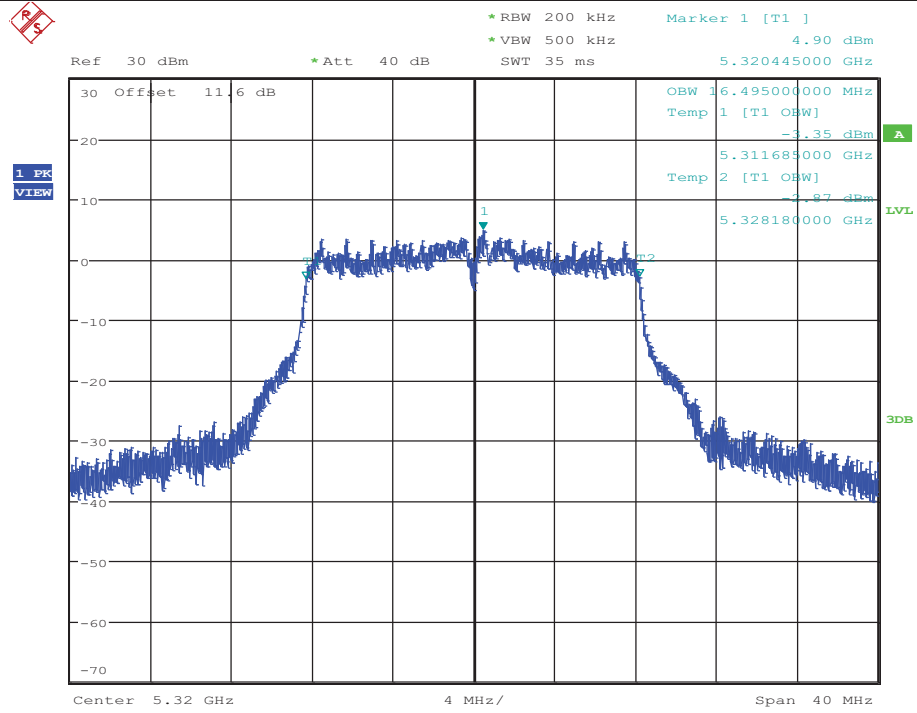
Date: 4.SEP.2017 18:25:42

## Occupied Bandwidth Measurement\_11A\_5280\_Ant2



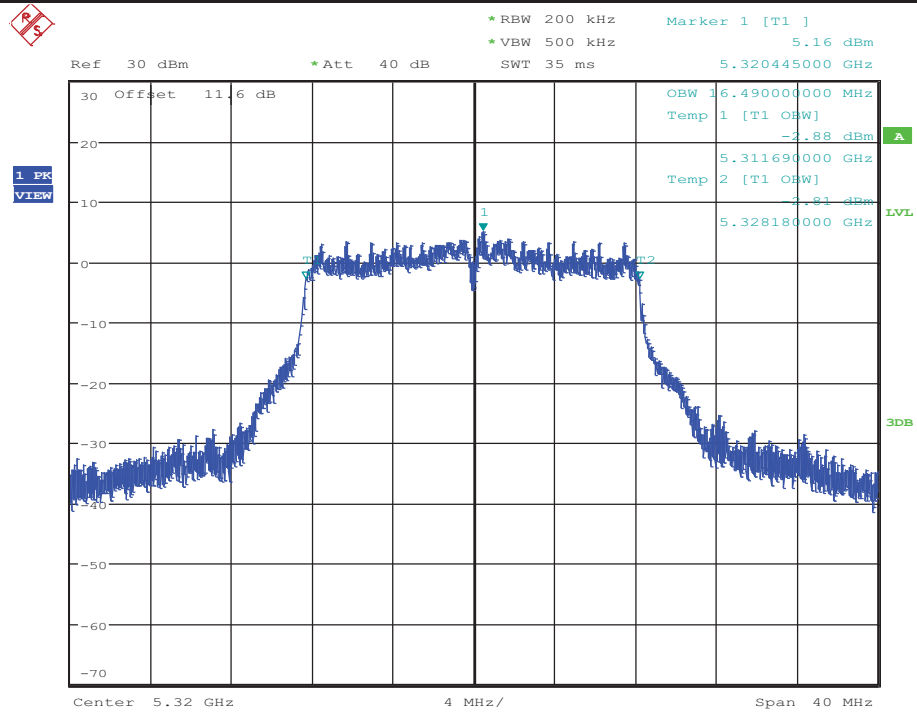
Date: 5.SEP.2017 11:42:38

## Occupied Bandwidth Measurement\_11A\_5320\_Ant1



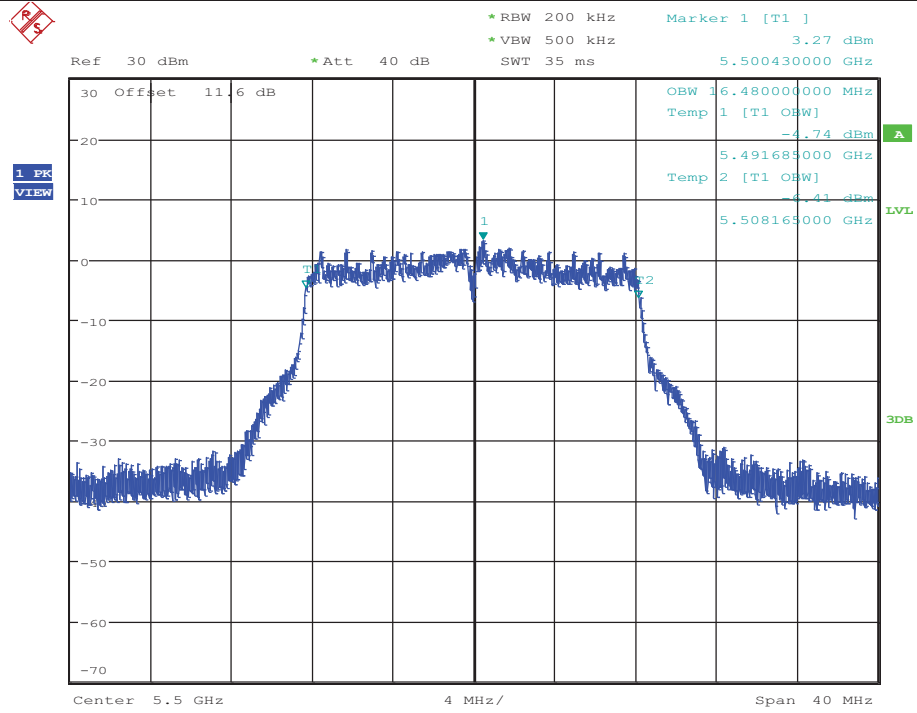
Date: 4.SEP.2017 18:31:22

## Occupied Bandwidth Measurement\_11A\_5320\_Ant2



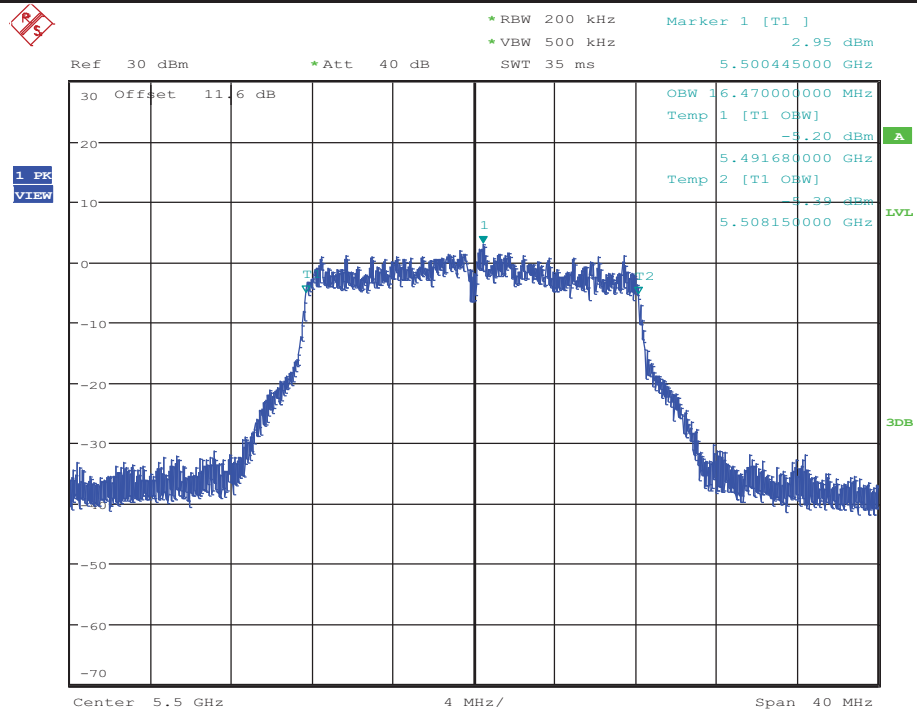
Date: 5.SEP.2017 11:47:12

## Occupied Bandwidth Measurement\_11A\_5500\_Ant1



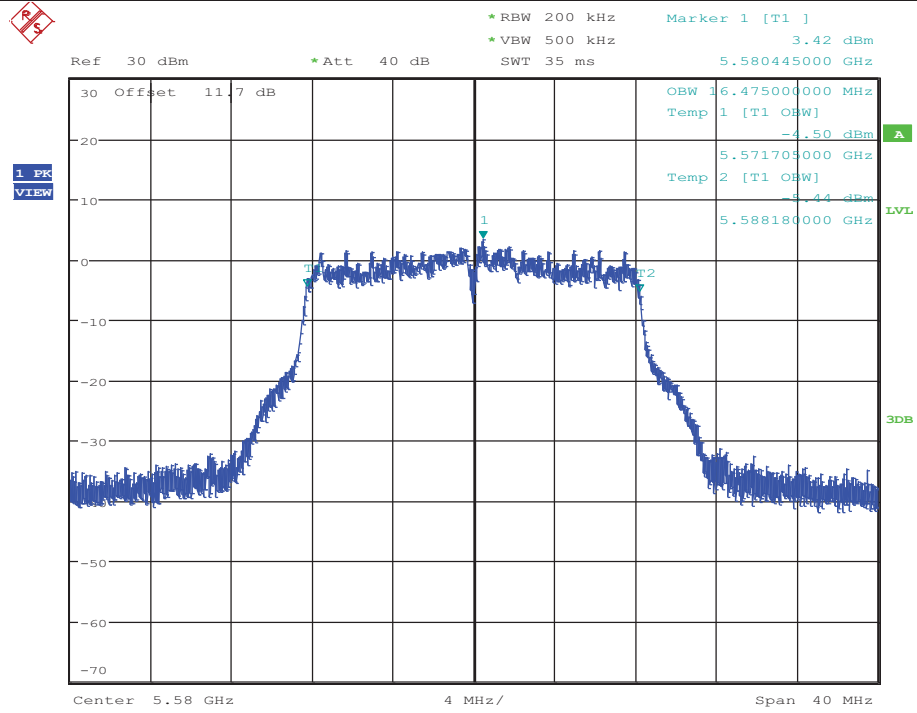
Date: 4.SEP.2017 18:36:21

## Occupied Bandwidth Measurement\_11A\_5500\_Ant2



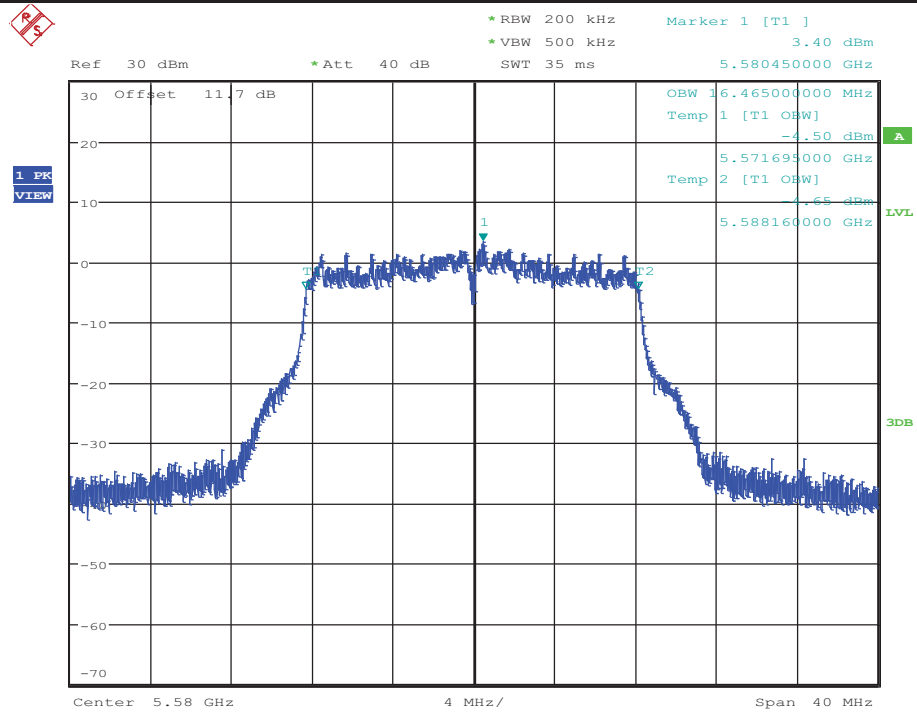
Date: 5.SEP.2017 11:52:48

## Occupied Bandwidth Measurement\_11A\_5580\_Ant1



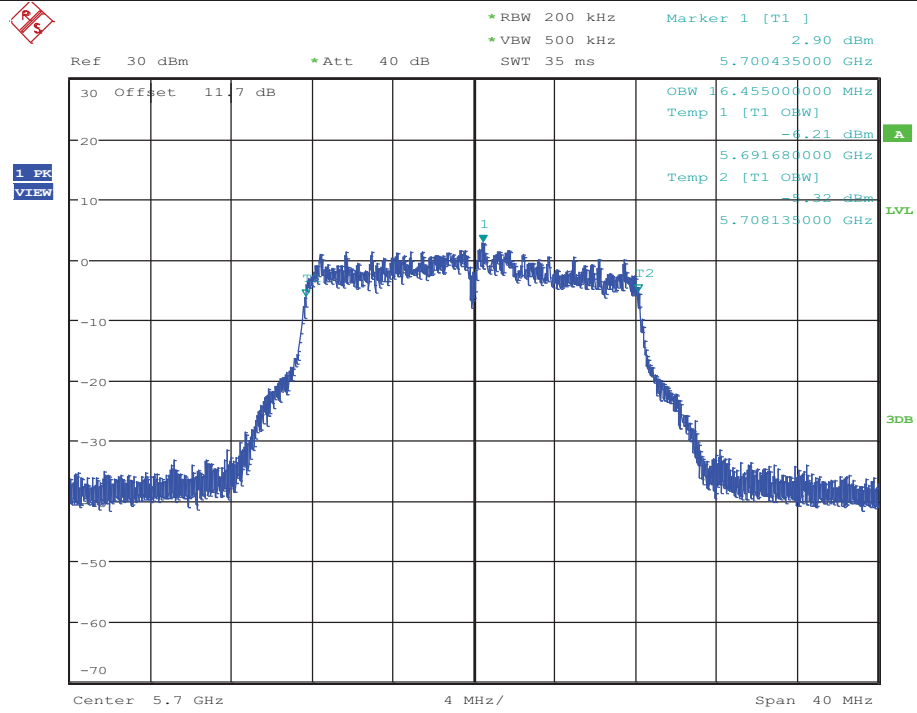
Date: 4.SEP.2017 18:41:55

## Occupied Bandwidth Measurement\_11A\_5580\_Ant2



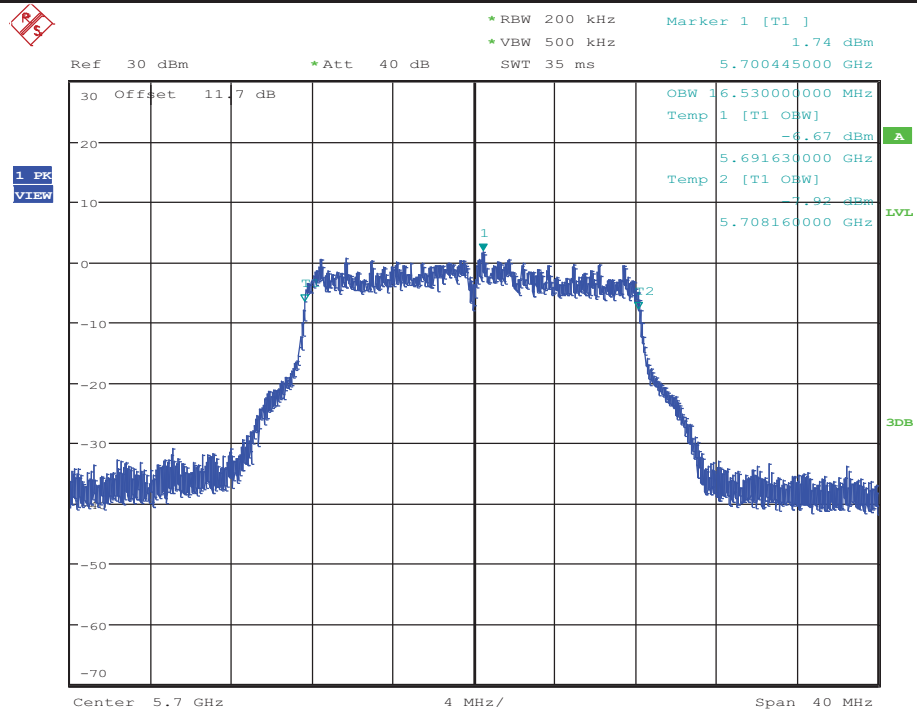
Date: 5.SEP.2017 12:27:50

## Occupied Bandwidth Measurement\_11A\_5700\_Ant1



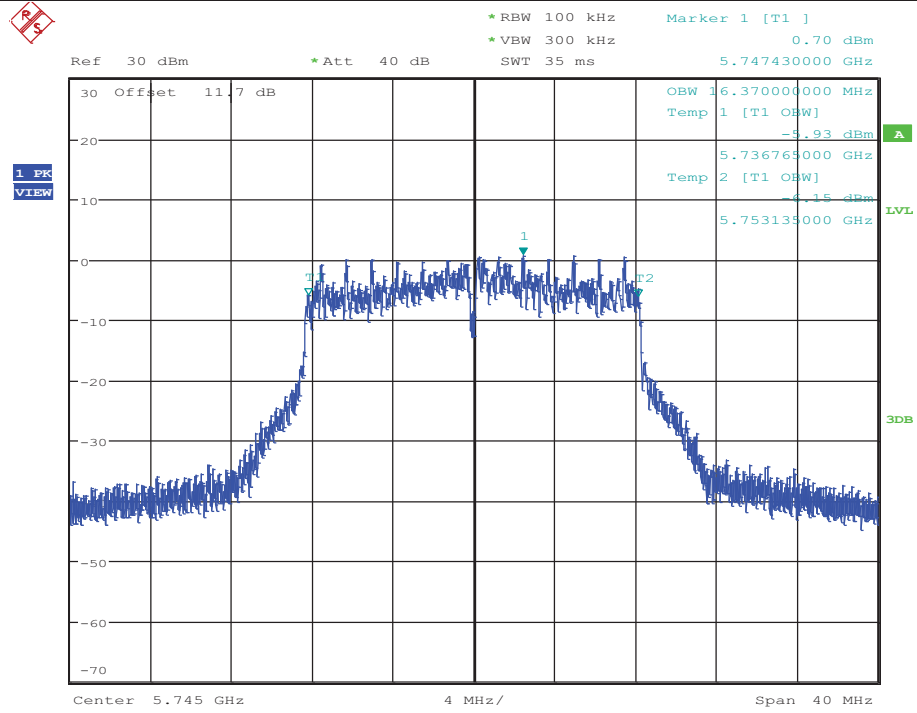
Date: 4.SEP.2017 18:46:23

## Occupied Bandwidth Measurement\_11A\_5700\_Ant2



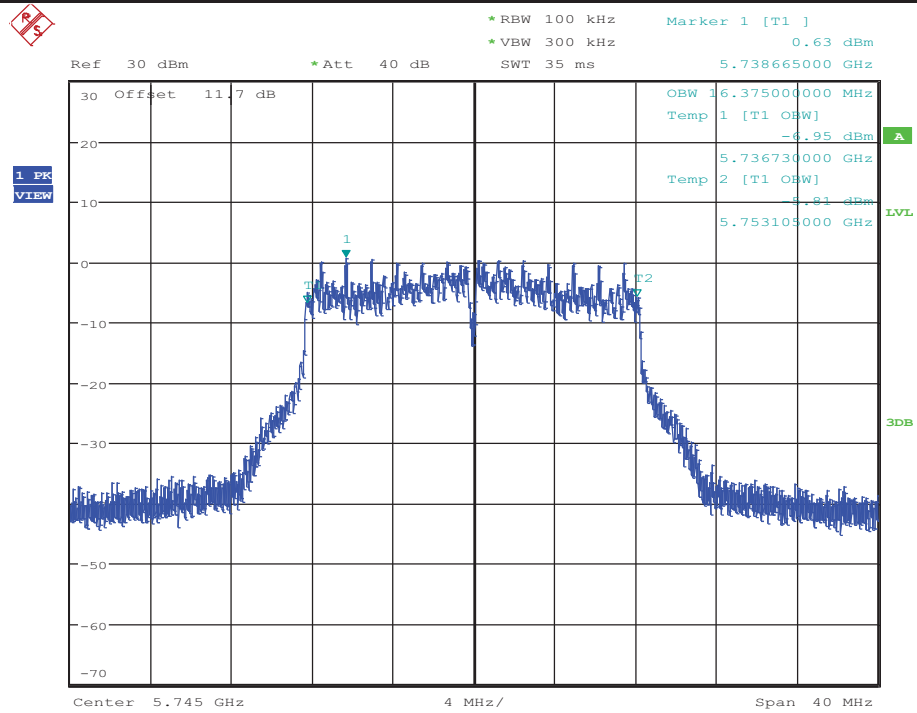
Date: 5.SEP.2017 13:38:41

## Occupied Bandwidth Measurement\_11A\_5745\_Ant1



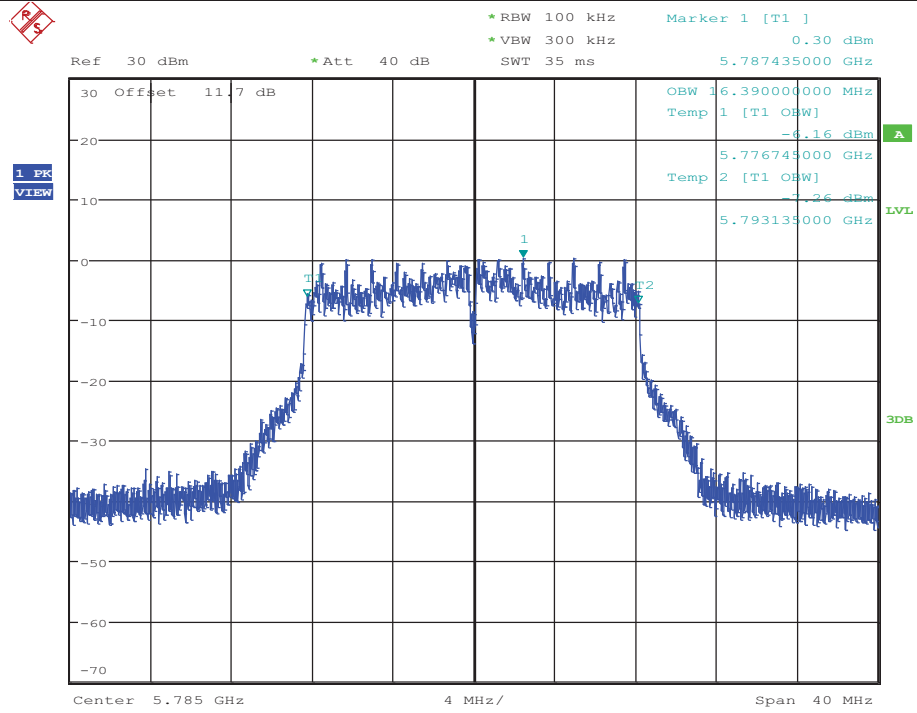
Date: 4.SEP.2017 18:55:23

## Occupied Bandwidth Measurement\_11A\_5745\_Ant2



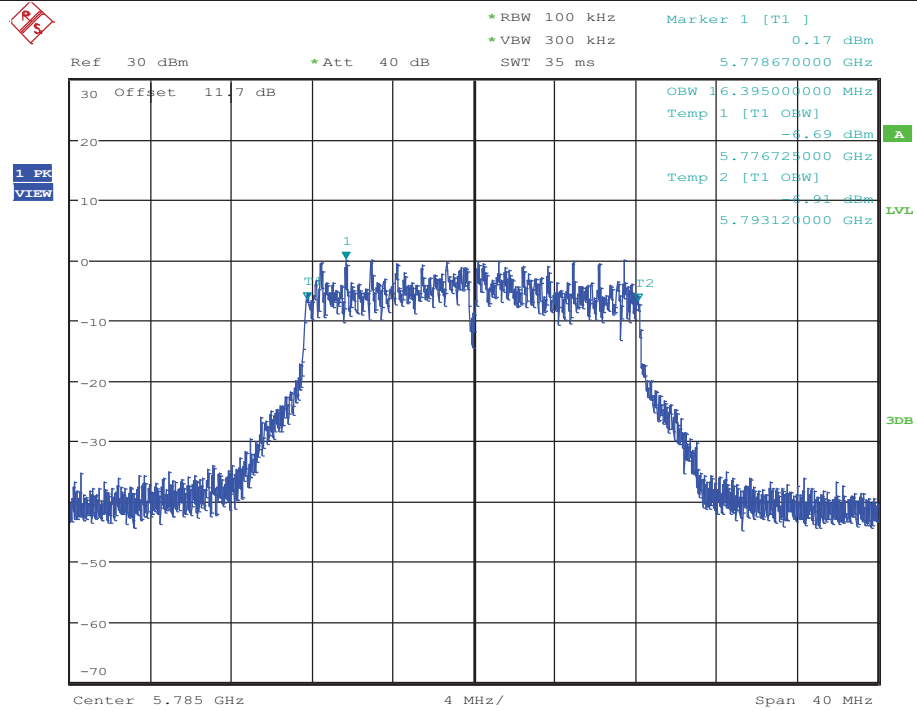
Date: 5.SEP.2017 13:43:22

## Occupied Bandwidth Measurement\_11A\_5785\_Ant1



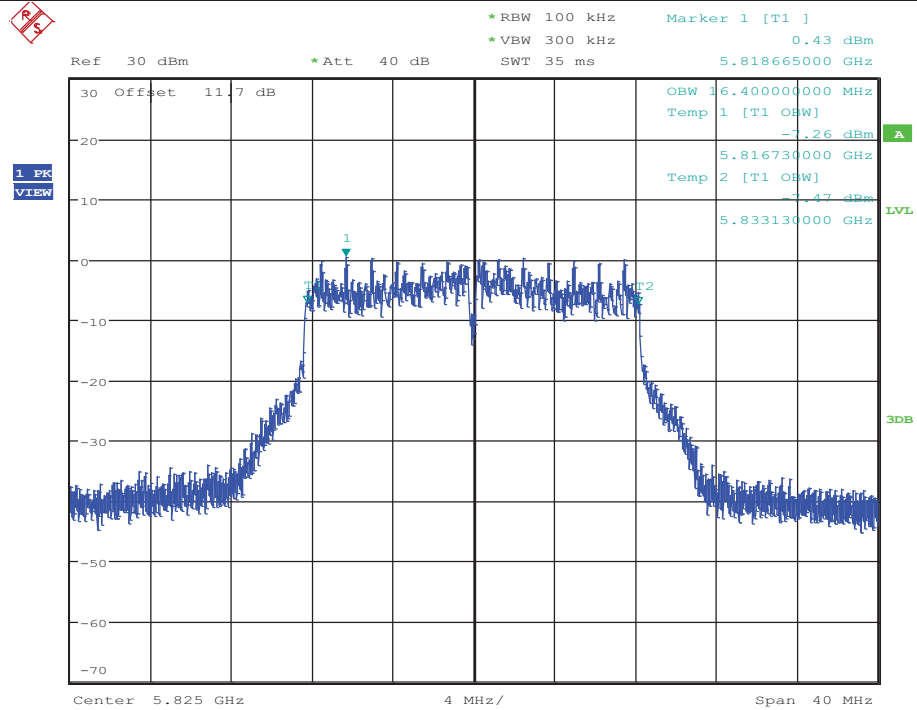
Date: 4.SEP.2017 18:59:21

## Occupied Bandwidth Measurement\_11A\_5785\_Ant2



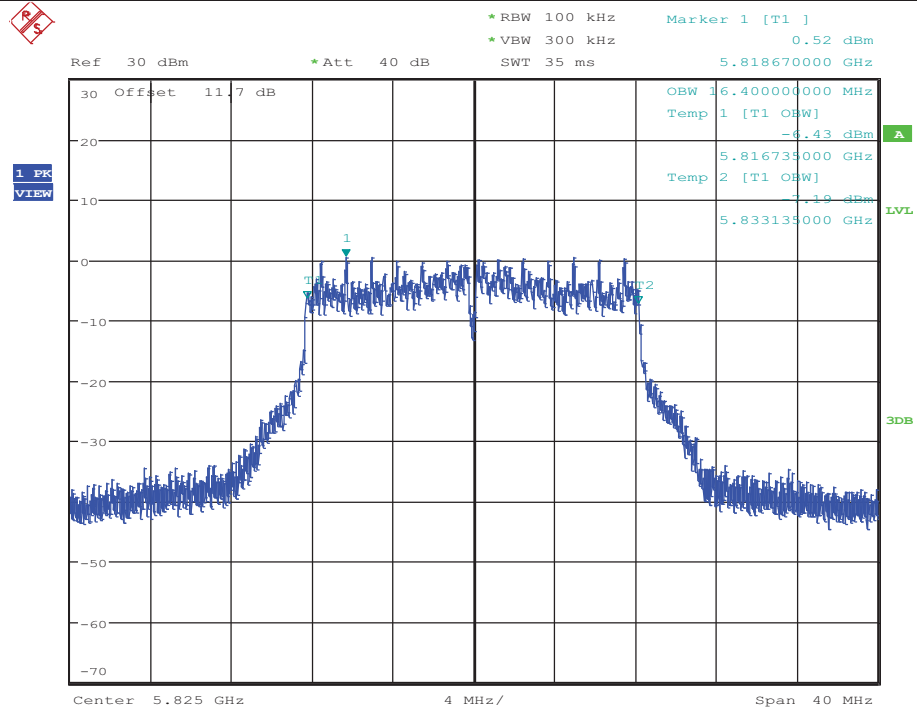
Date: 5.SEP.2017 13:47:26

## Occupied Bandwidth Measurement\_11A\_5825\_Ant1



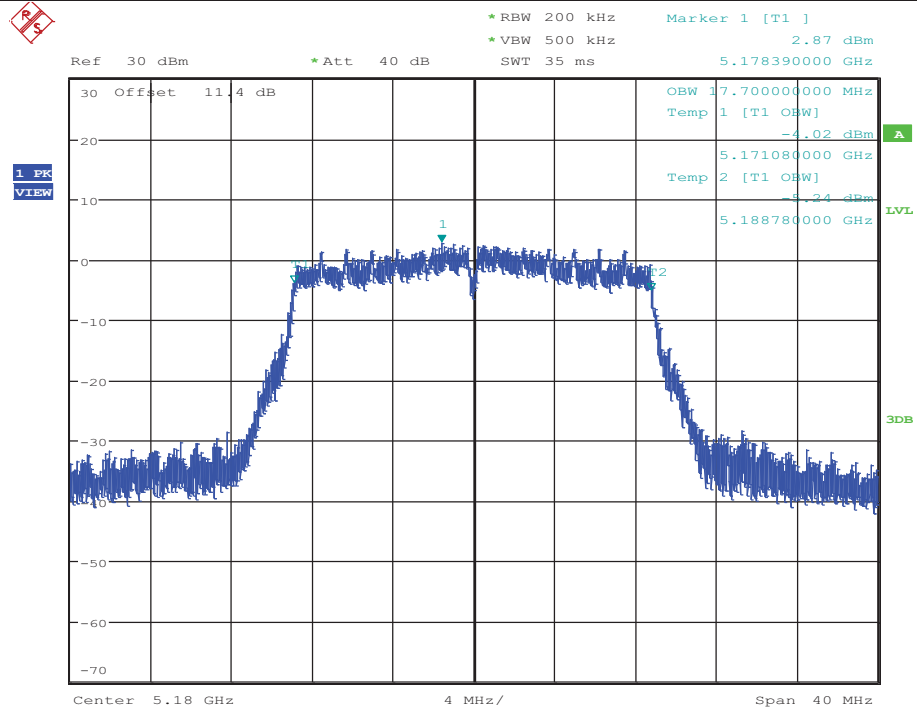
Date: 4.SEP.2017 19:02:51

## Occupied Bandwidth Measurement\_11A\_5825\_Ant2



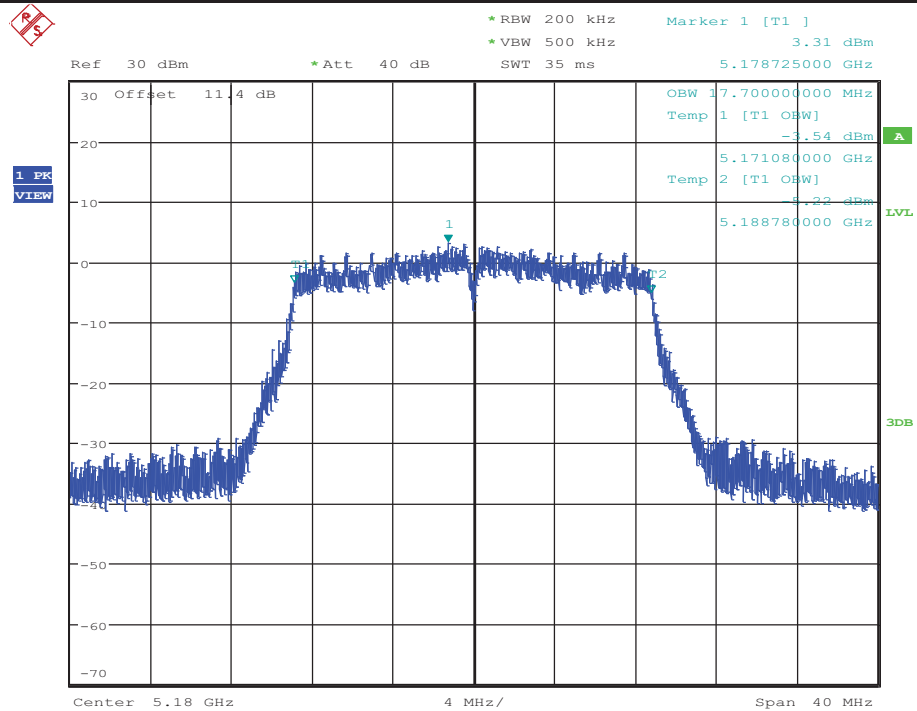
Date: 5.SEP.2017 13:50:57

## Occupied Bandwidth Measurement\_11N20\_5180\_Ant1



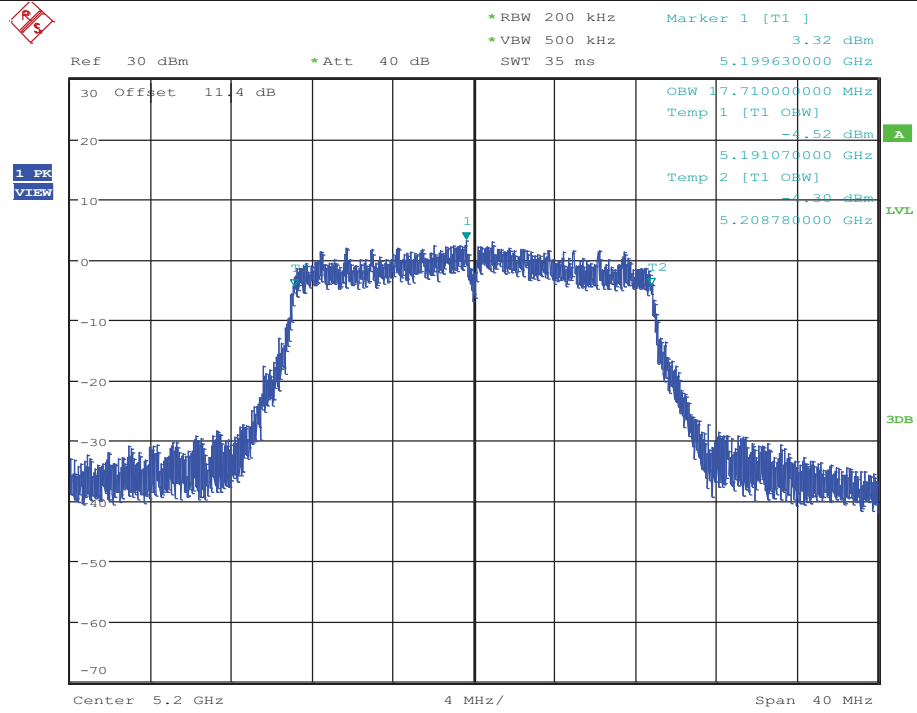
Date: 4.SEP.2017 19:07:02

## Occupied Bandwidth Measurement\_11N20\_5180\_Ant2



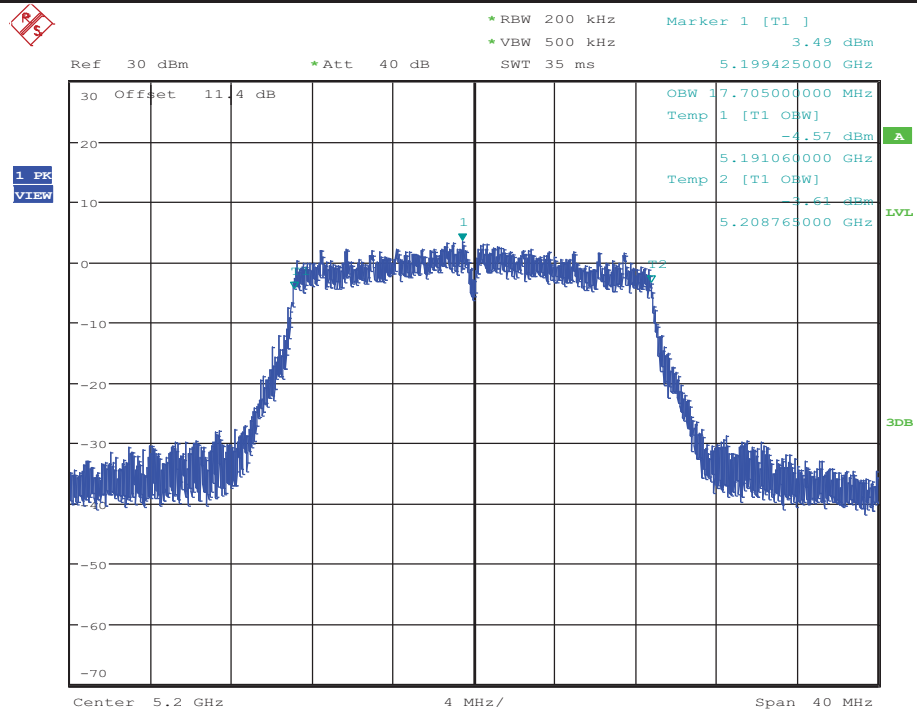
Date: 5.SEP.2017 13:55:15

## Occupied Bandwidth Measurement\_11N20\_5200\_Ant1



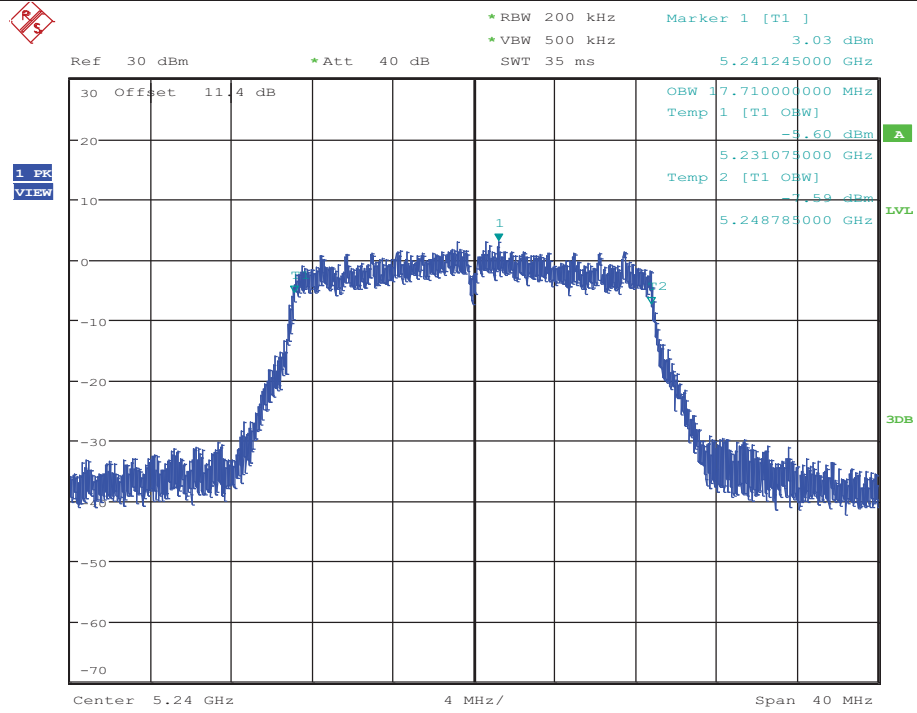
Date: 4.SEP.2017 19:12:02

## Occupied Bandwidth Measurement\_11N20\_5200\_Ant2



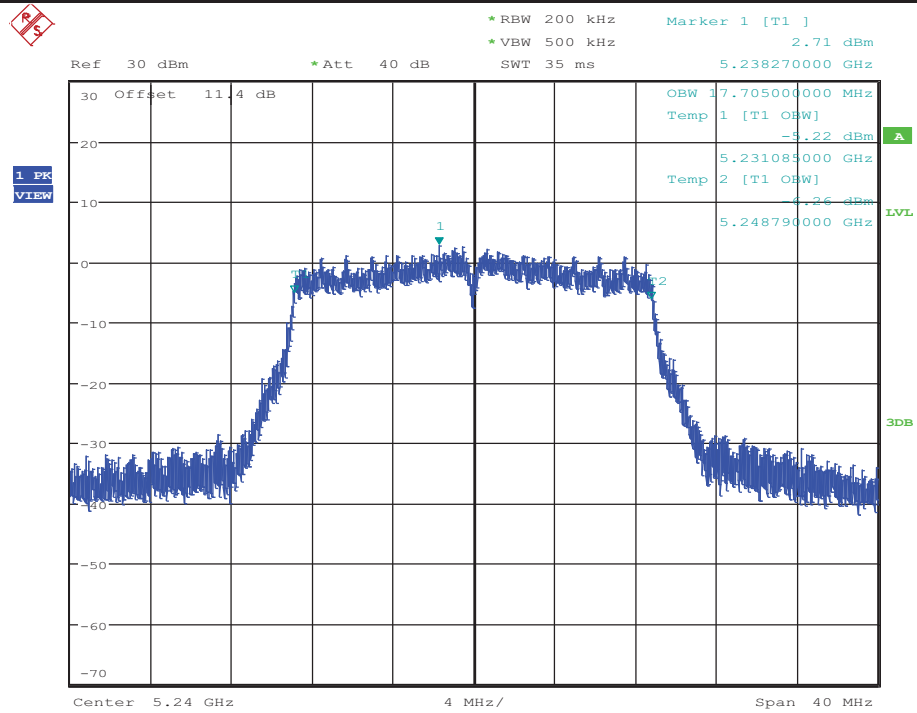
Date: 5.SEP.2017 14:00:18

## Occupied Bandwidth Measurement\_11N20\_5240\_Ant1



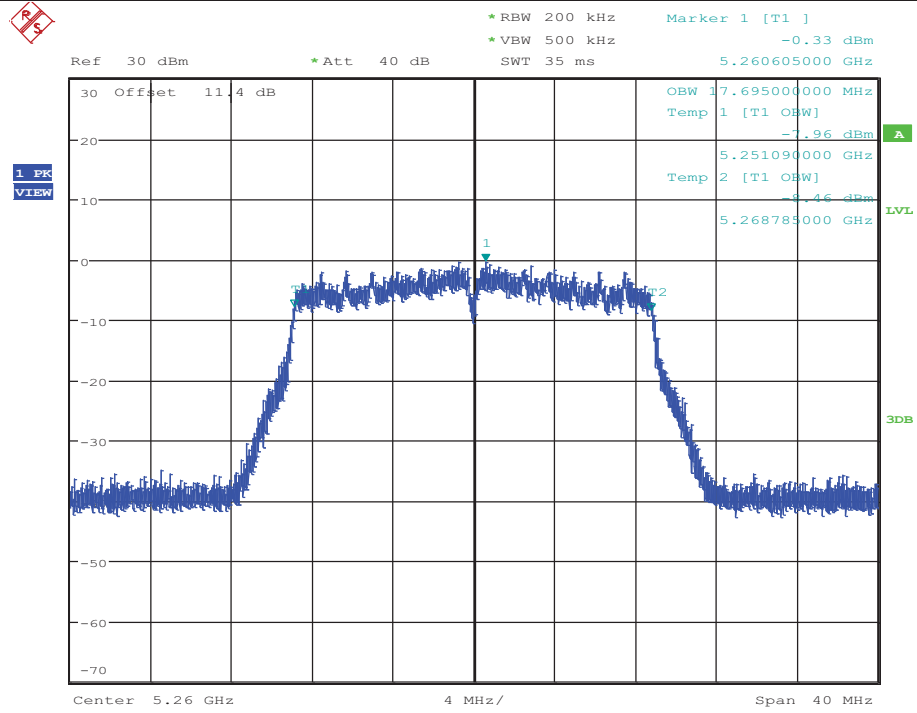
Date: 4.SEP.2017 19:16:28

## Occupied Bandwidth Measurement\_11N20\_5240\_Ant2



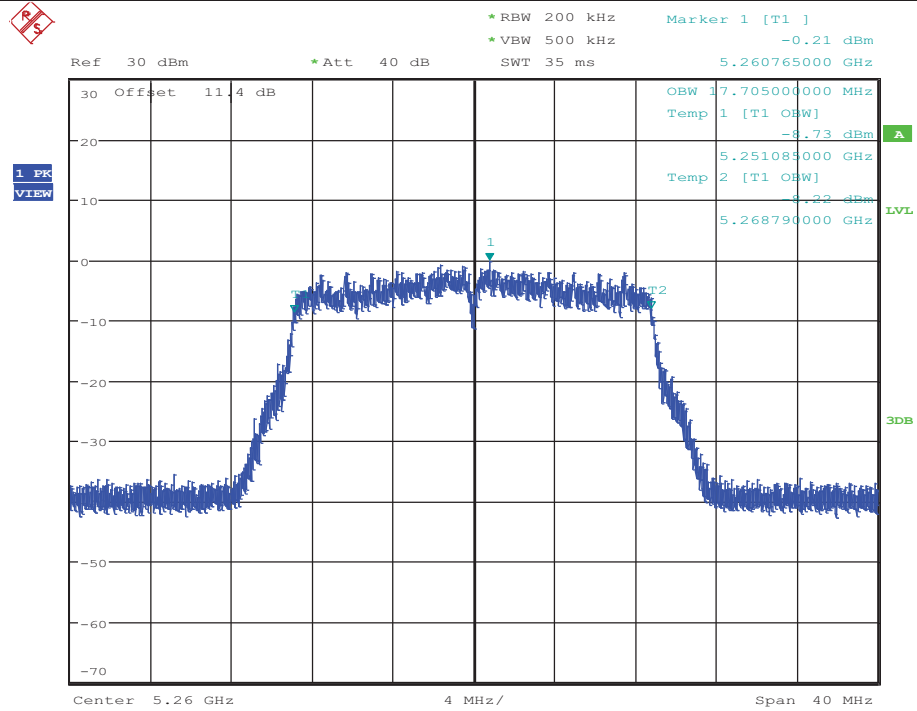
Date: 5.SEP.2017 14:04:45

## Occupied Bandwidth Measurement\_11N20\_5260\_Ant1



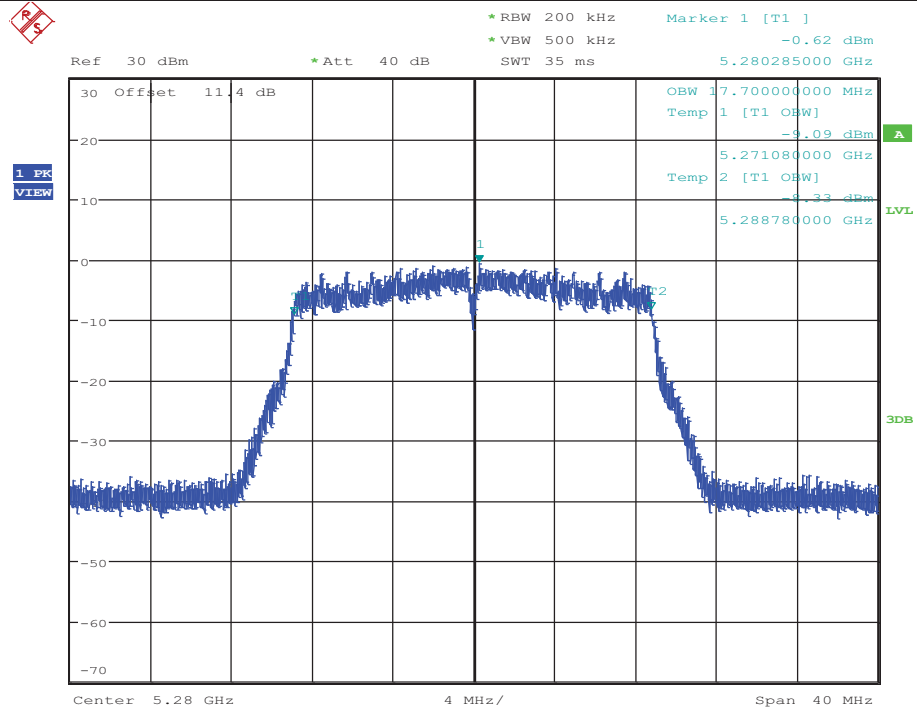
Date: 4.SEP.2017 19:21:26

## Occupied Bandwidth Measurement\_11N20\_5260\_Ant2



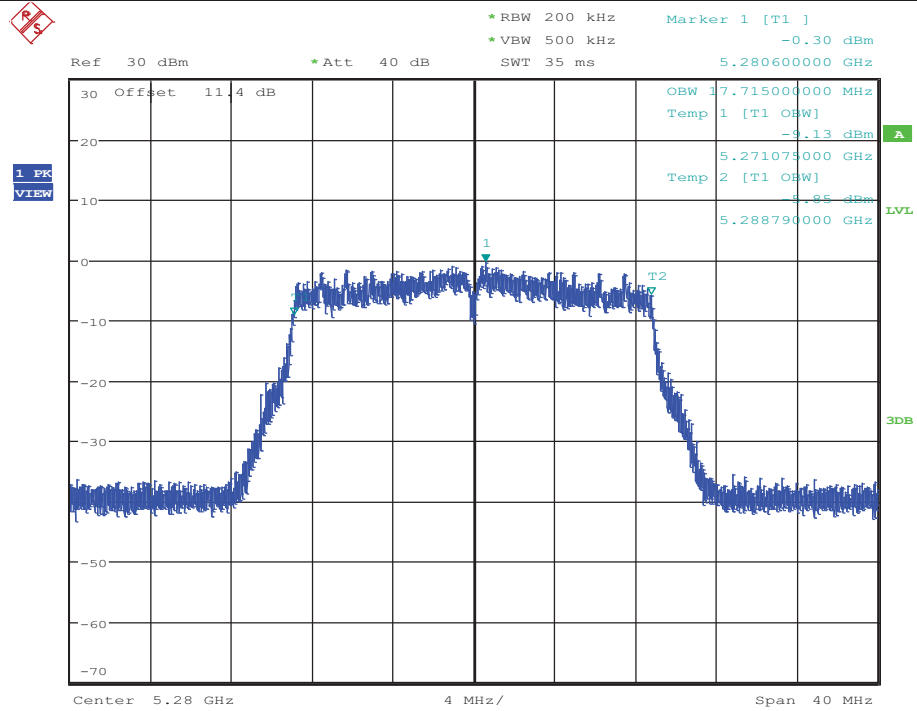
Date: 5.SEP.2017 14:09:45

## Occupied Bandwidth Measurement\_11N20\_5280\_Ant1



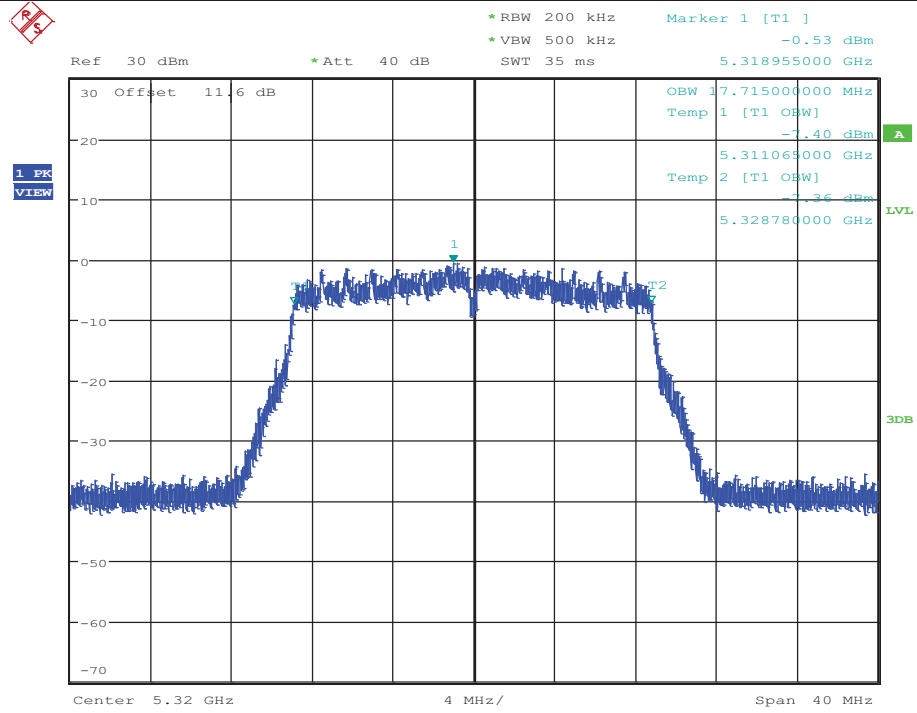
Date: 4.SEP.2017 19:26:48

## Occupied Bandwidth Measurement\_11N20\_5280\_Ant2



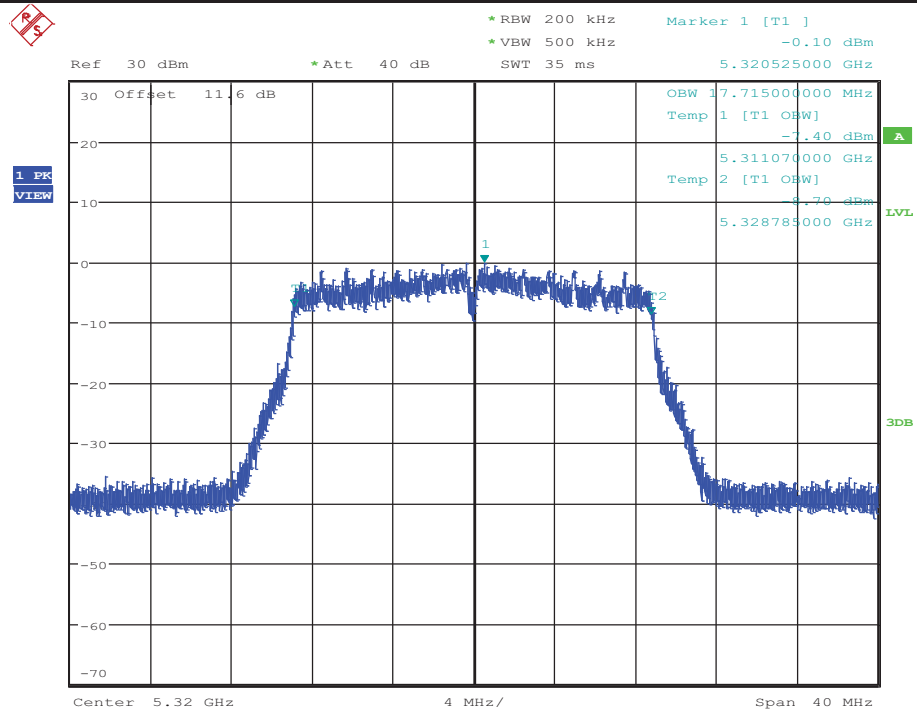
Date: 5.SEP.2017 14:15:52

## Occupied Bandwidth Measurement\_11N20\_5320\_Ant1



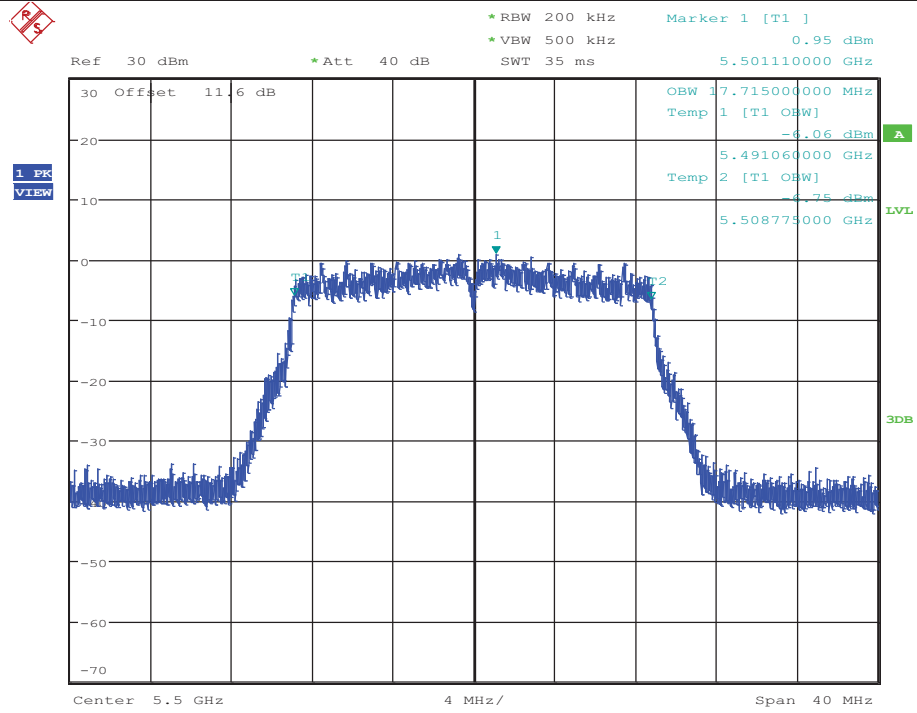
Date: 4.SEP.2017 19:31:13

## Occupied Bandwidth Measurement\_11N20\_5320\_Ant2



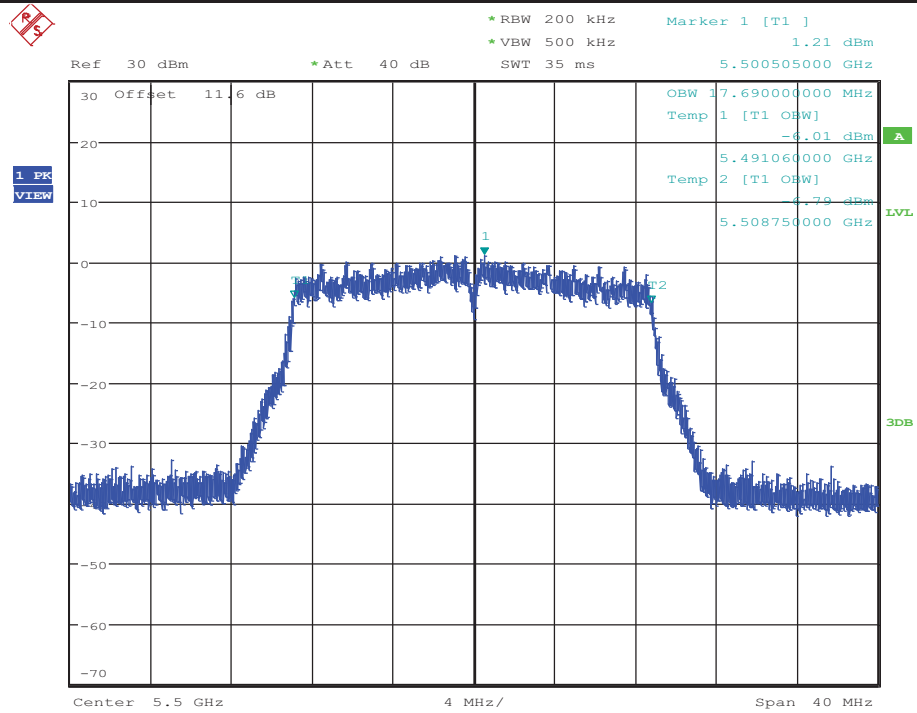
Date: 5.SEP.2017 14:20:26

## Occupied Bandwidth Measurement\_11N20\_5500\_Ant1



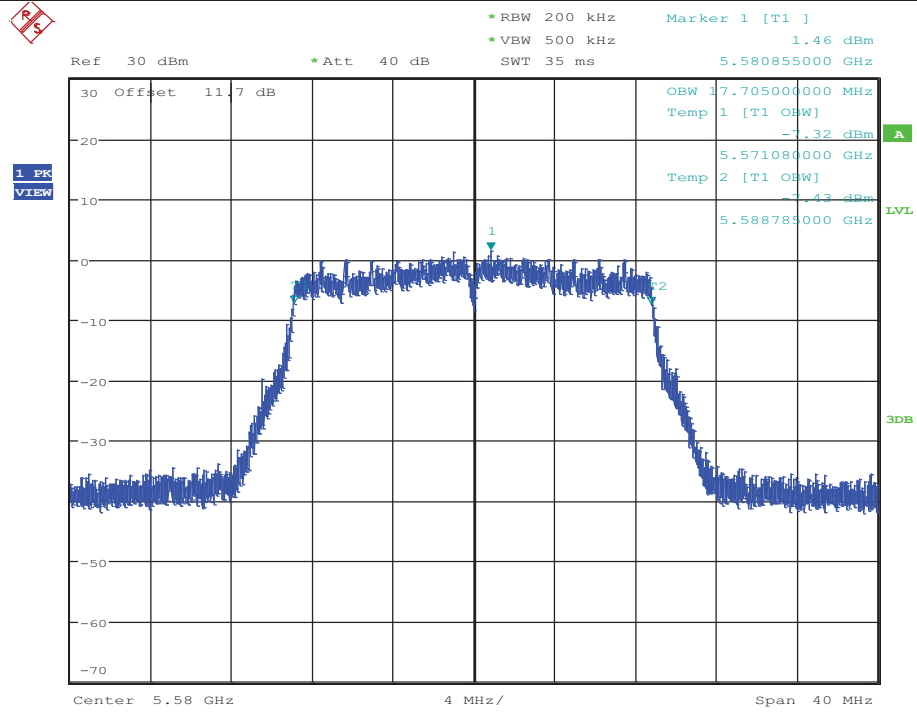
Date: 4.SEP.2017 19:44:04

## Occupied Bandwidth Measurement\_11N20\_5500\_Ant2



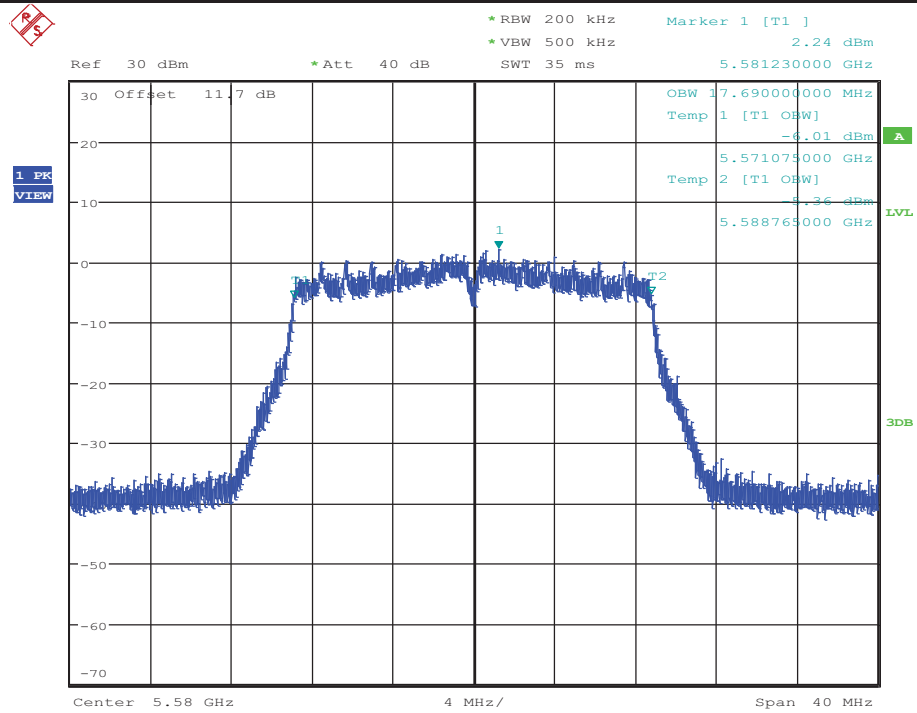
Date: 5.SEP.2017 14:25:27

## Occupied Bandwidth Measurement\_11N20\_5580\_Ant1



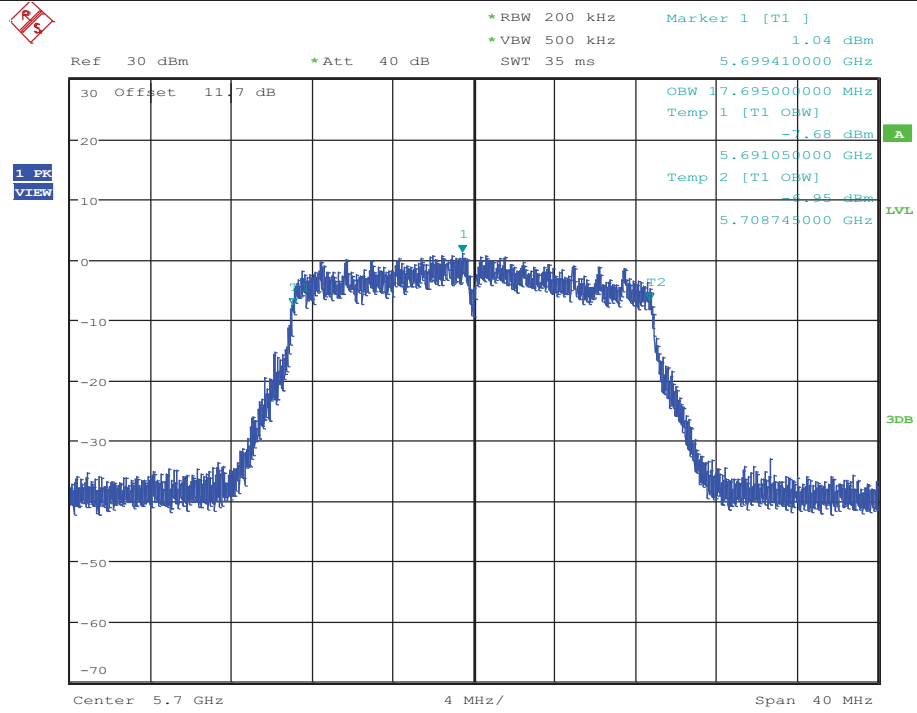
Date: 4.SEP.2017 19:49:03

## Occupied Bandwidth Measurement\_11N20\_5580\_Ant2



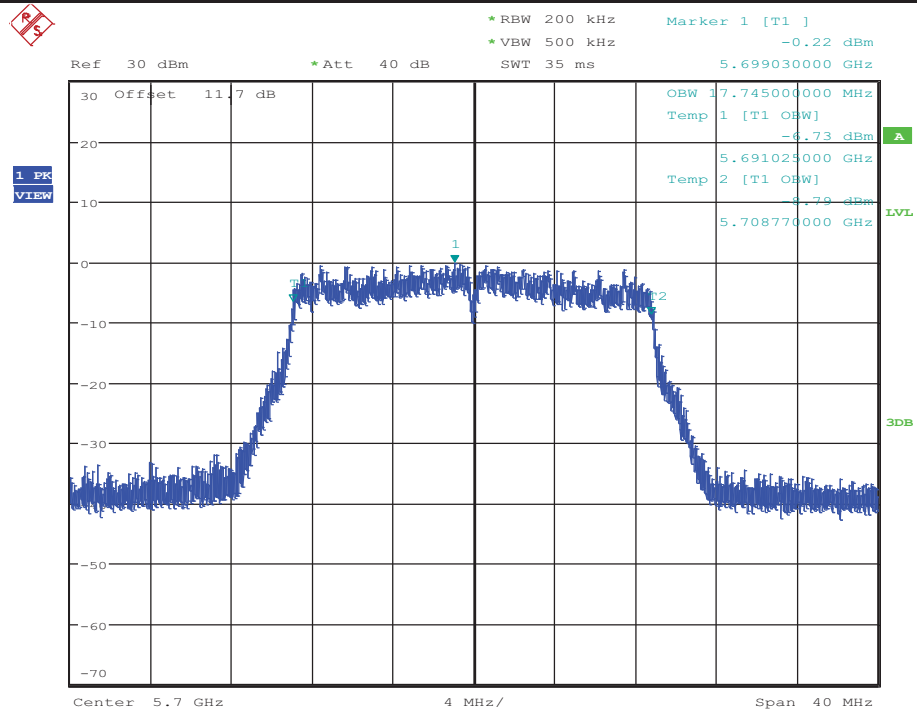
Date: 5.SEP.2017 14:30:32

## Occupied Bandwidth Measurement\_11N20\_5700\_Ant1



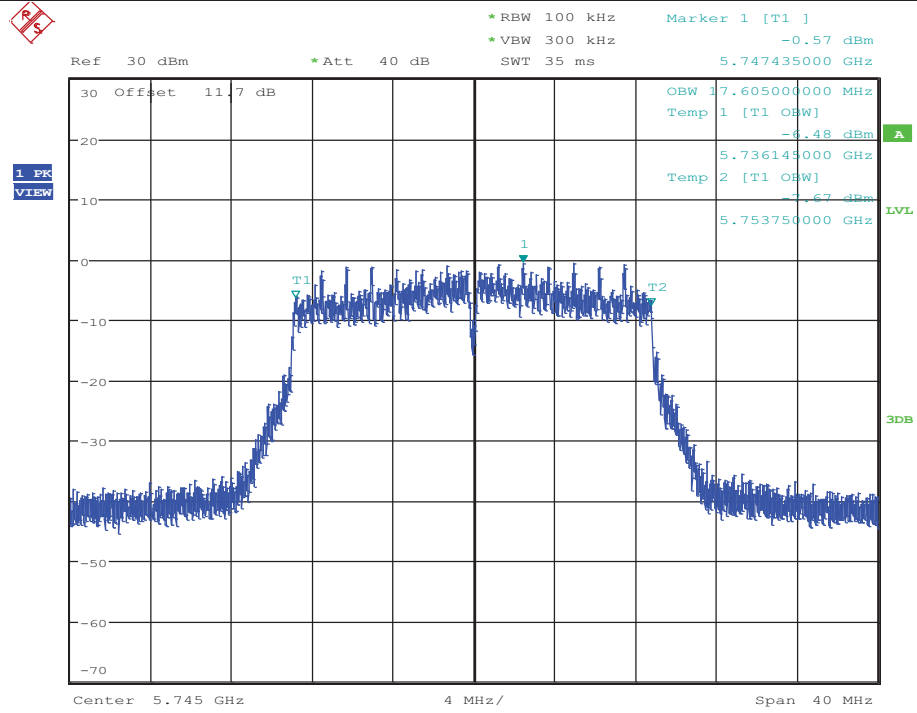
Date: 4.SEP.2017 19:53:28

## Occupied Bandwidth Measurement\_11N20\_5700\_Ant2



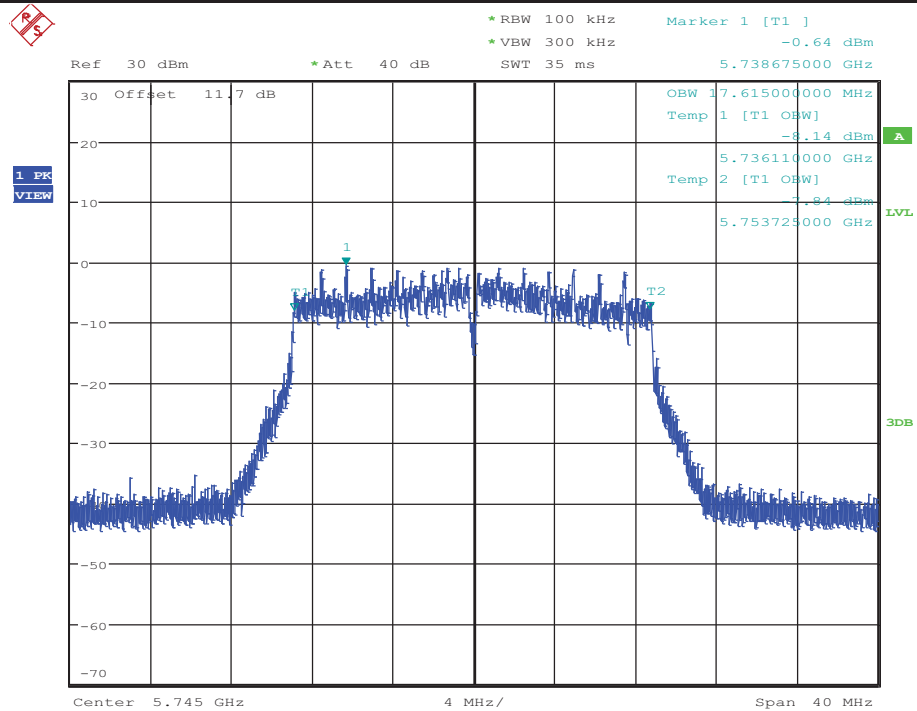
Date: 5.SEP.2017 14:36:39

## Occupied Bandwidth Measurement\_11N20\_5745\_Ant1



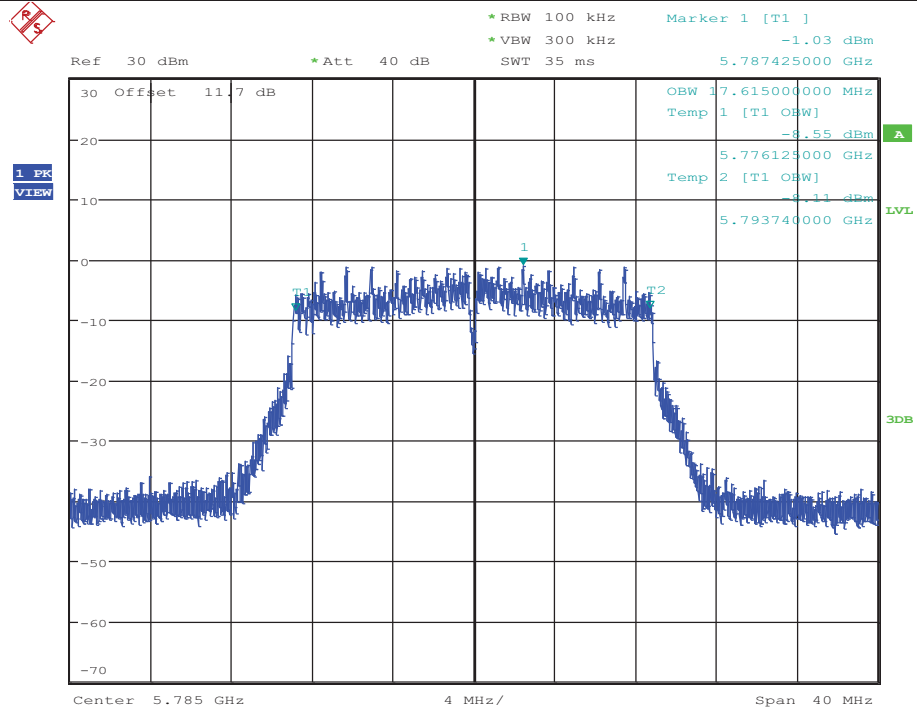
Date: 4.SEP.2017 19:58:04

## Occupied Bandwidth Measurement\_11N20\_5745\_Ant2



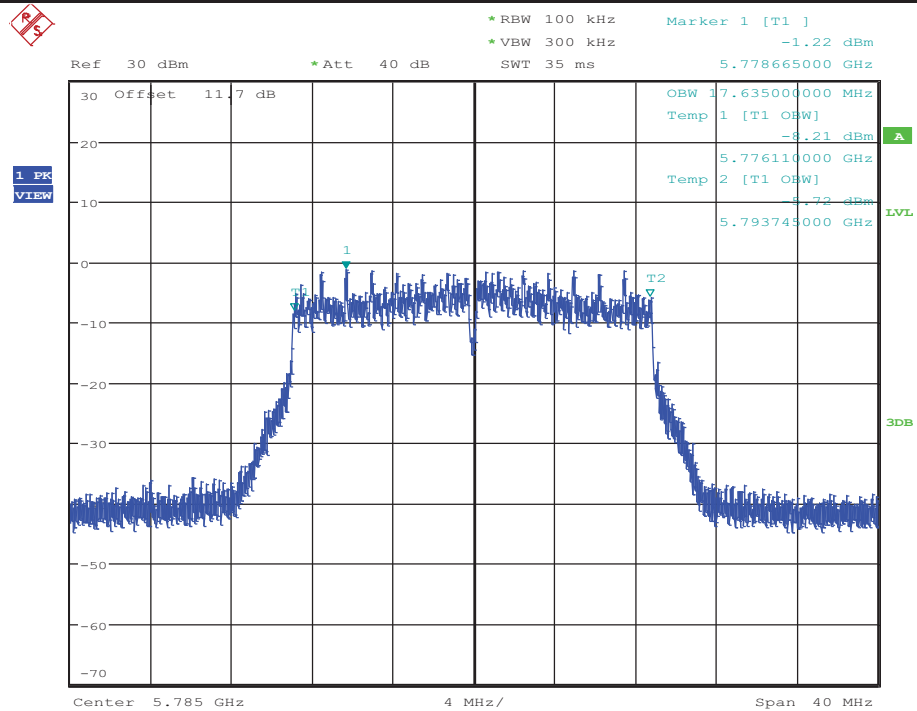
Date: 5.SEP.2017 14:41:20

## Occupied Bandwidth Measurement\_11N20\_5785\_Ant1



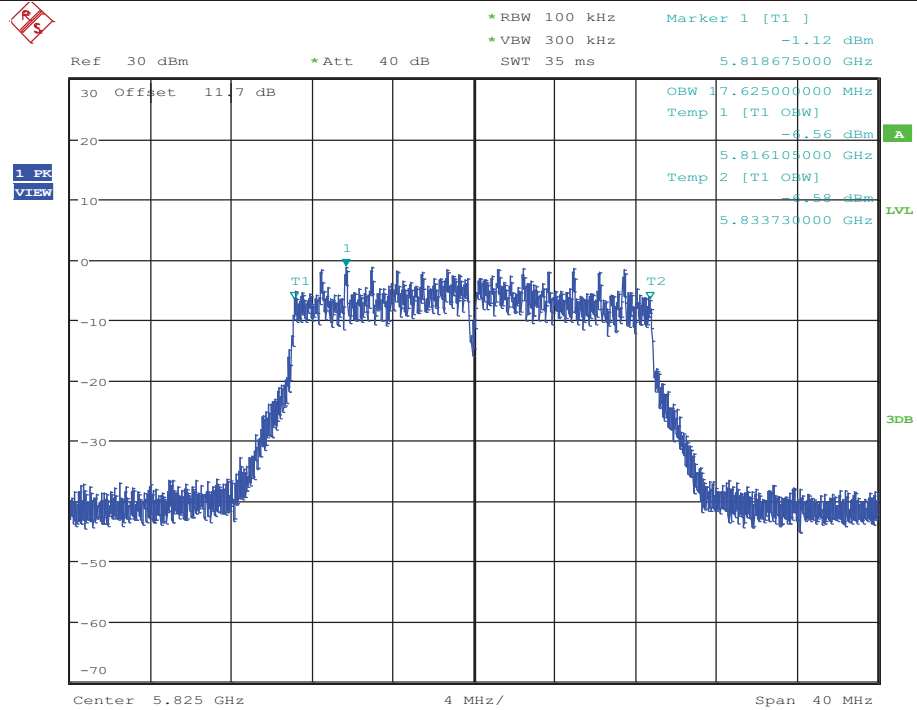
Date: 4.SEP.2017 20:01:56

## Occupied Bandwidth Measurement\_11N20\_5785\_Ant2



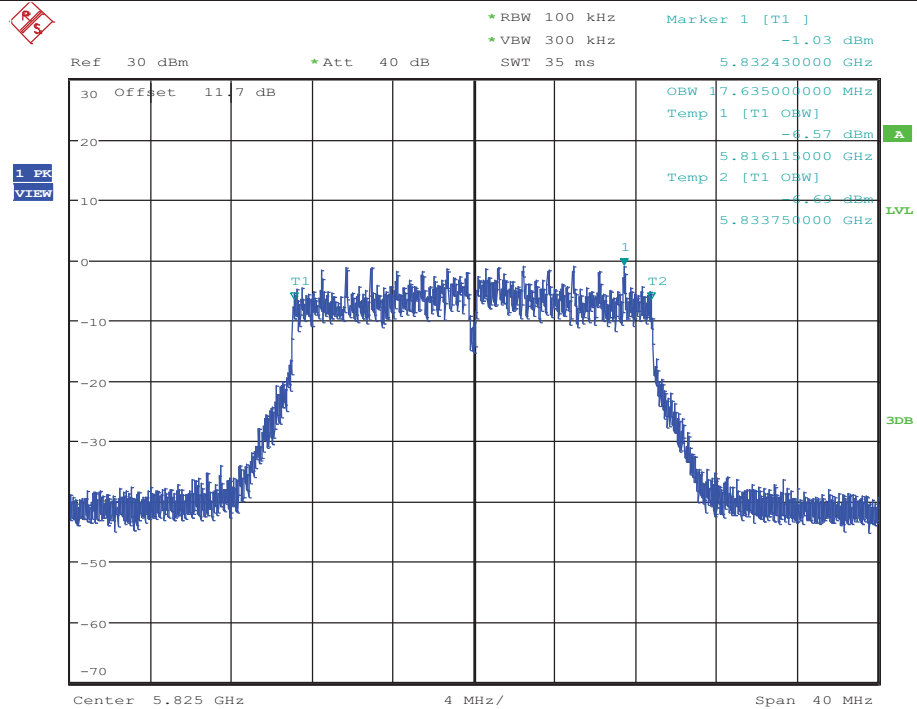
Date: 5.SEP.2017 14:45:15

## Occupied Bandwidth Measurement\_11N20\_5825\_Ant1



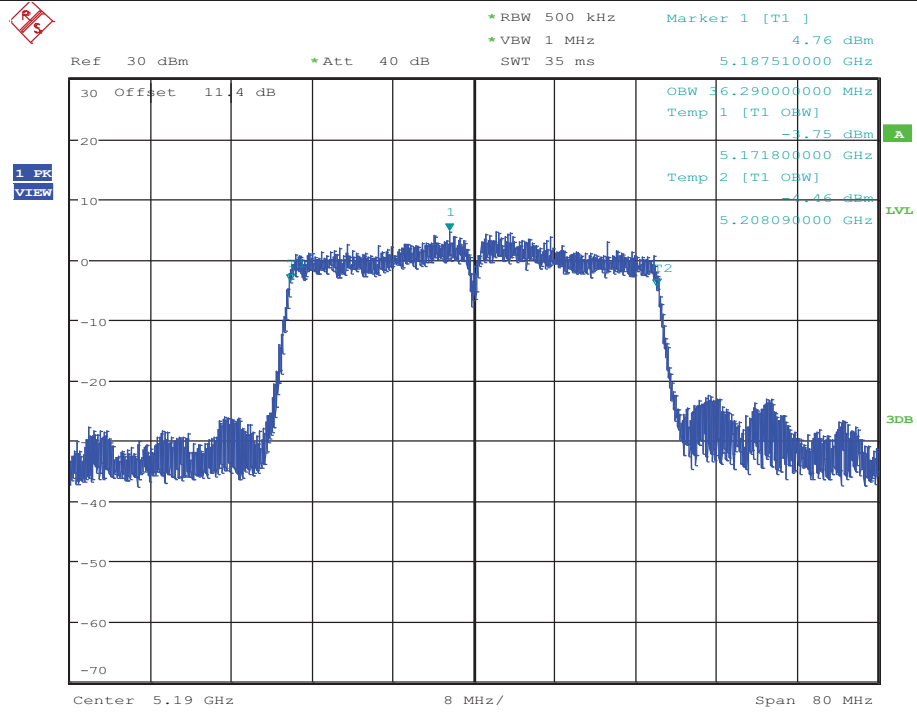
Date: 4.SEP.2017 20:06:19

## Occupied Bandwidth Measurement\_11N20\_5825\_Ant2



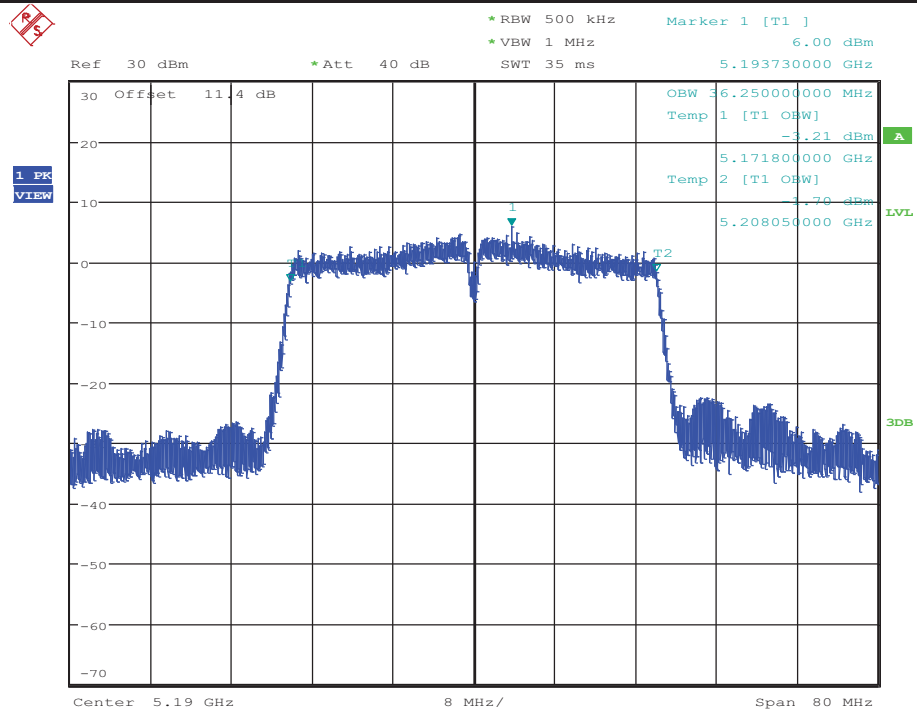
Date: 5.SEP.2017 14:49:40

## Occupied Bandwidth Measurement\_11N40\_5190\_Ant1



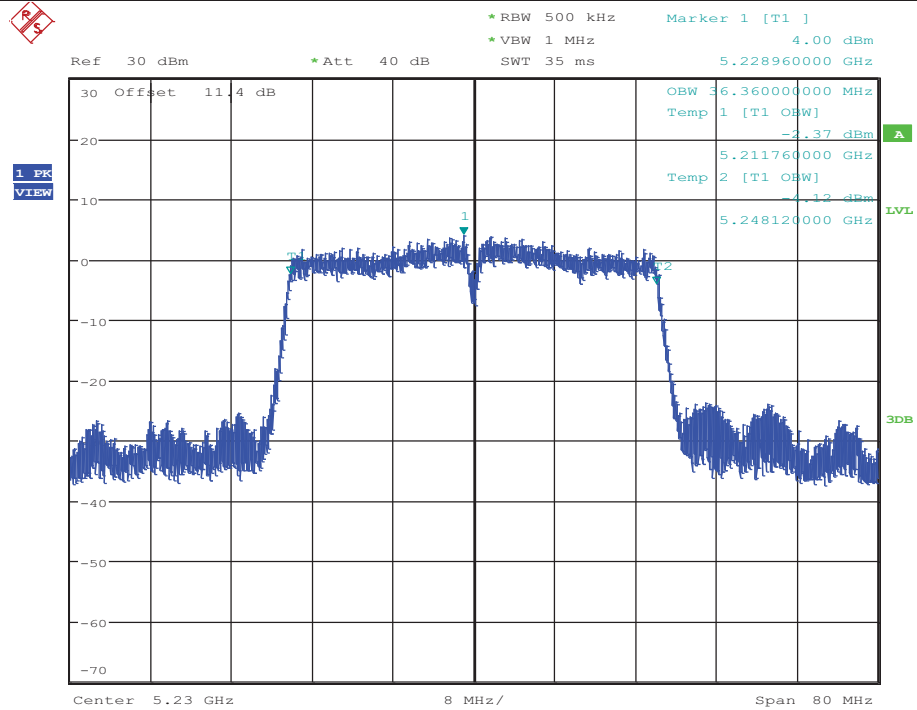
Date: 4.SEP.2017 20:31:41

## Occupied Bandwidth Measurement\_11N40\_5190\_Ant2



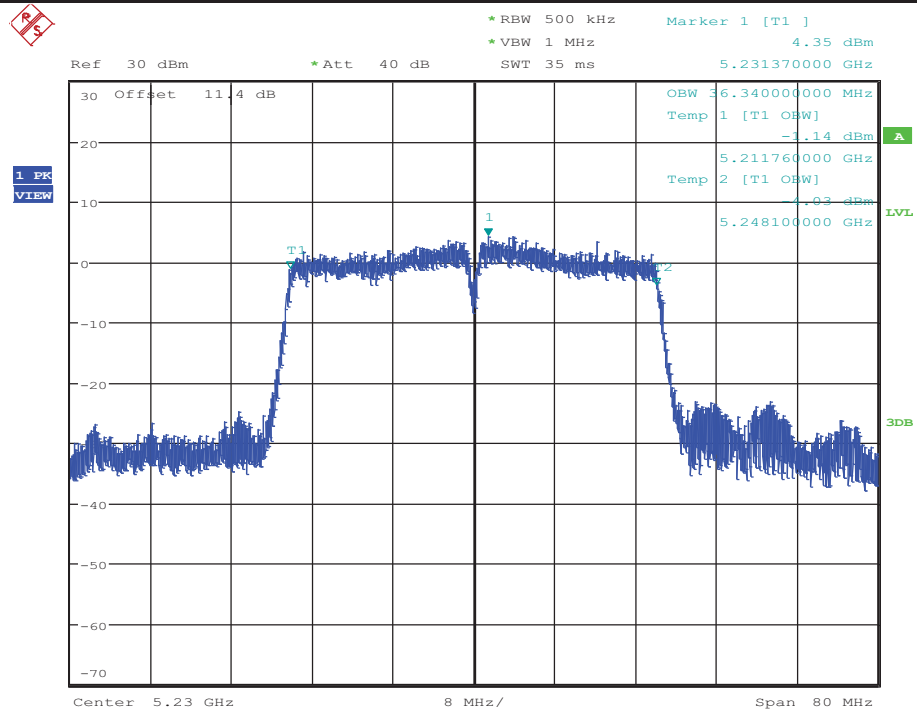
Date: 5.SEP.2017 15:01:07

## Occupied Bandwidth Measurement\_11N40\_5230\_Ant1



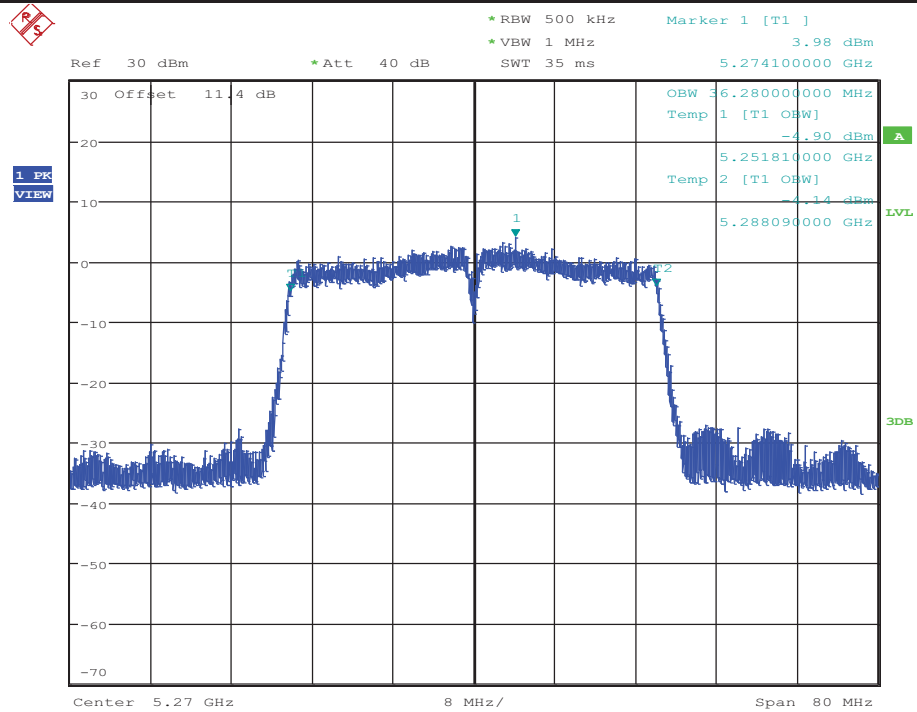
Date: 4.SEP.2017 20:36:20

## Occupied Bandwidth Measurement\_11N40\_5230\_Ant2



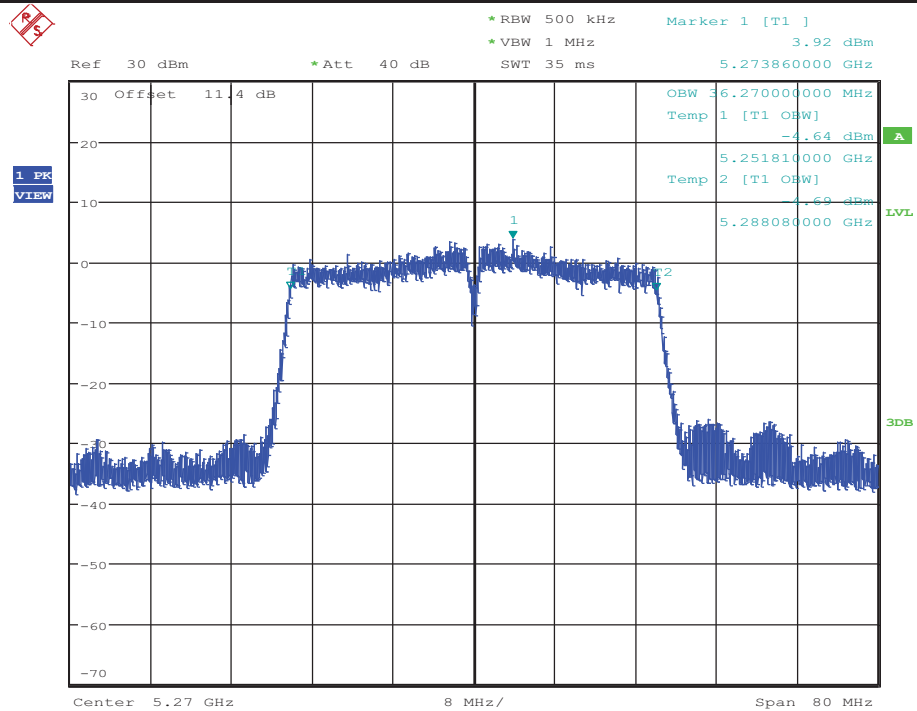
Date: 5.SEP.2017 15:05:34

## Occupied Bandwidth Measurement\_11N40\_5270\_Ant1



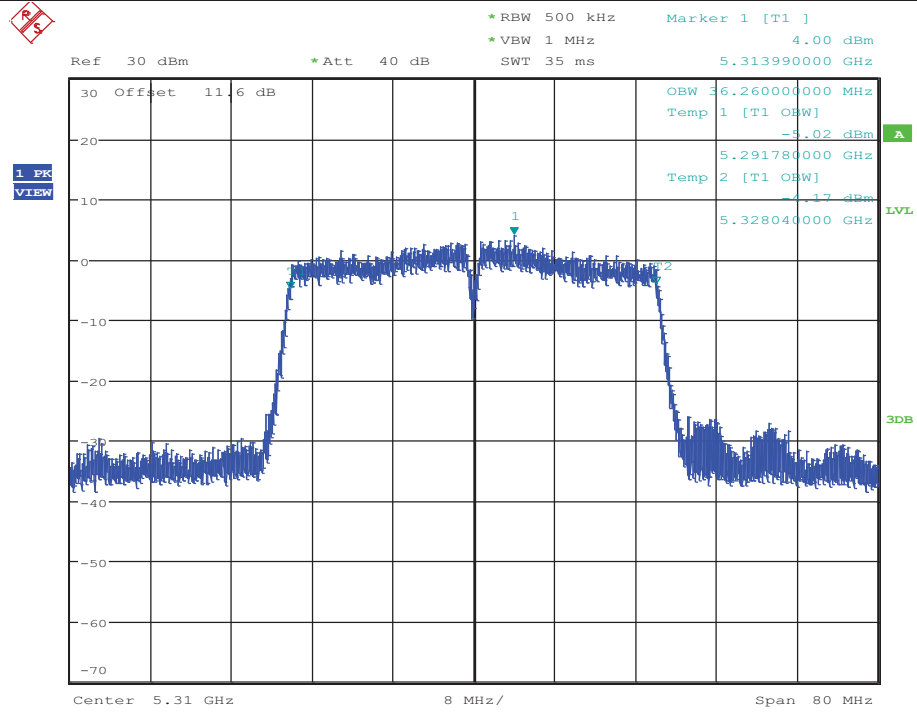
Date: 4.SEP.2017 20:40:58

## Occupied Bandwidth Measurement\_11N40\_5270\_Ant2



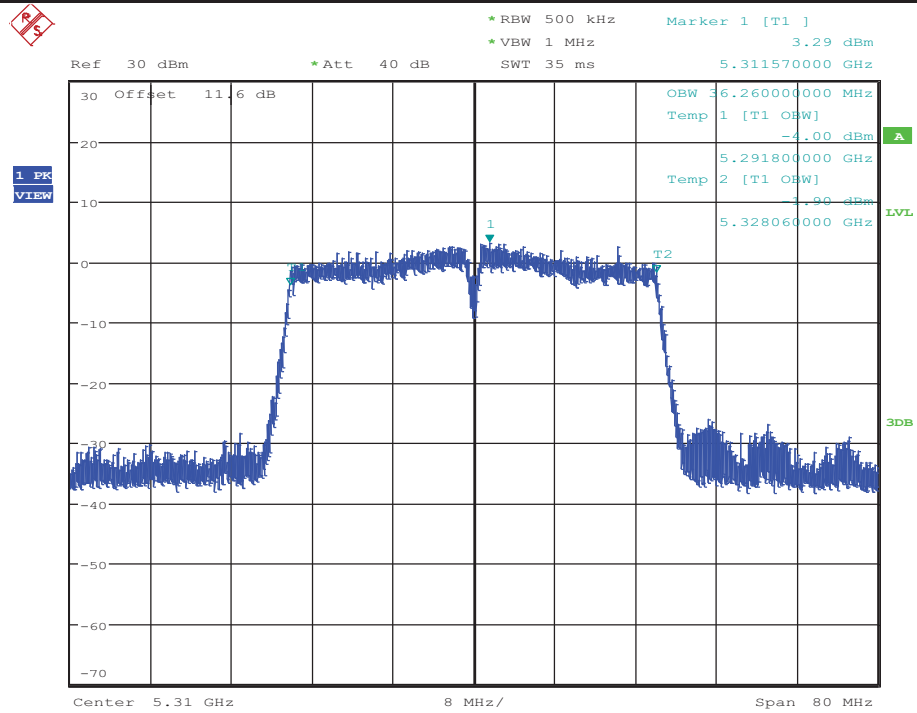
Date: 5.SEP.2017 19:24:43

## Occupied Bandwidth Measurement\_11N40\_5310\_Ant1



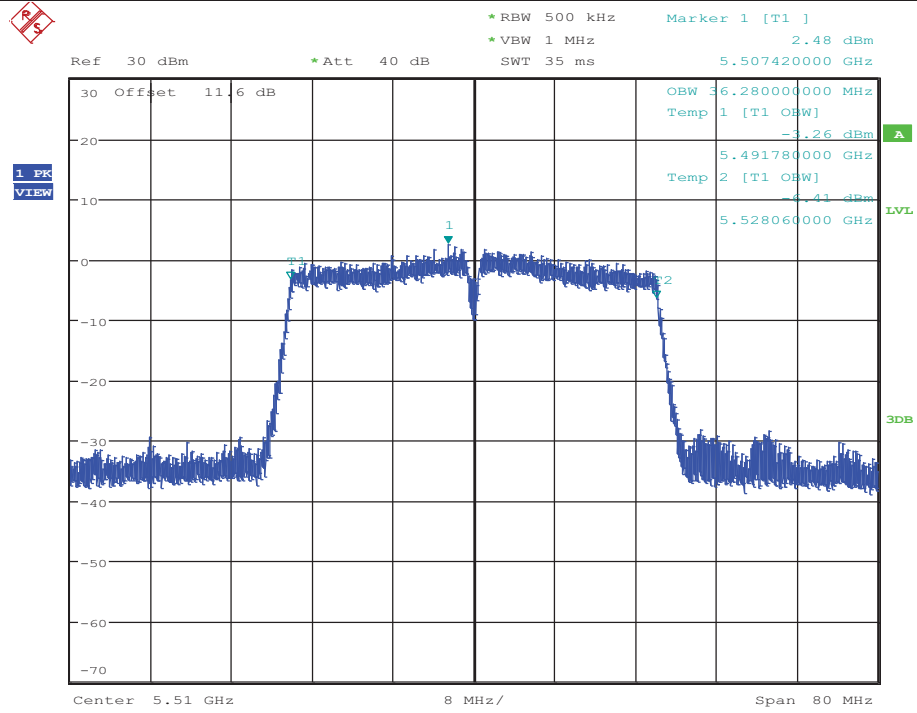
Date: 4.SEP.2017 20:47:56

## Occupied Bandwidth Measurement\_11N40\_5310\_Ant2



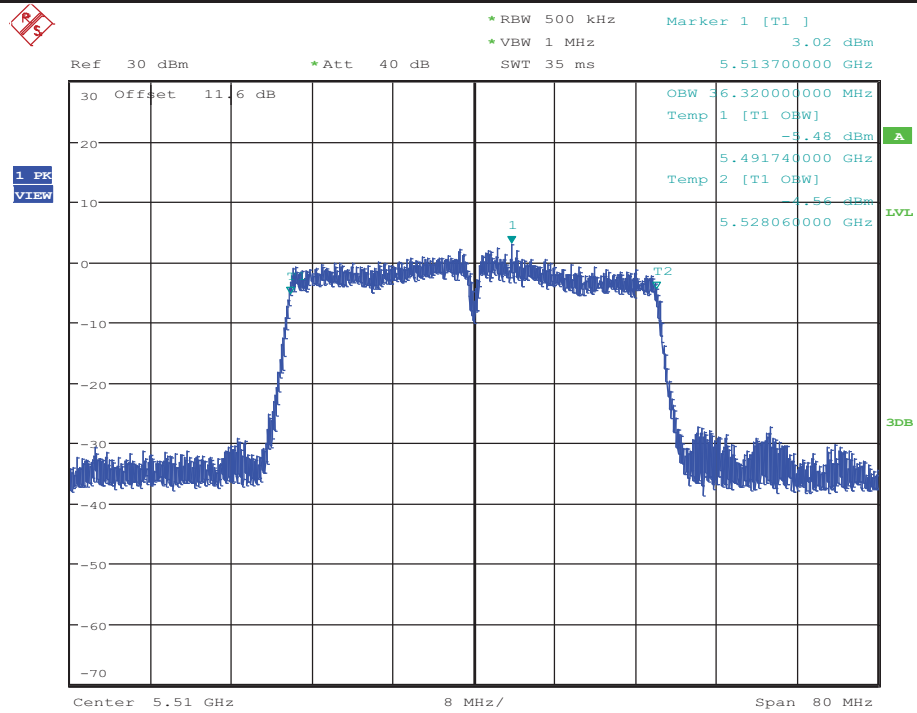
Date: 5.SEP.2017 19:30:50

## Occupied Bandwidth Measurement\_11N40\_5510\_Ant1



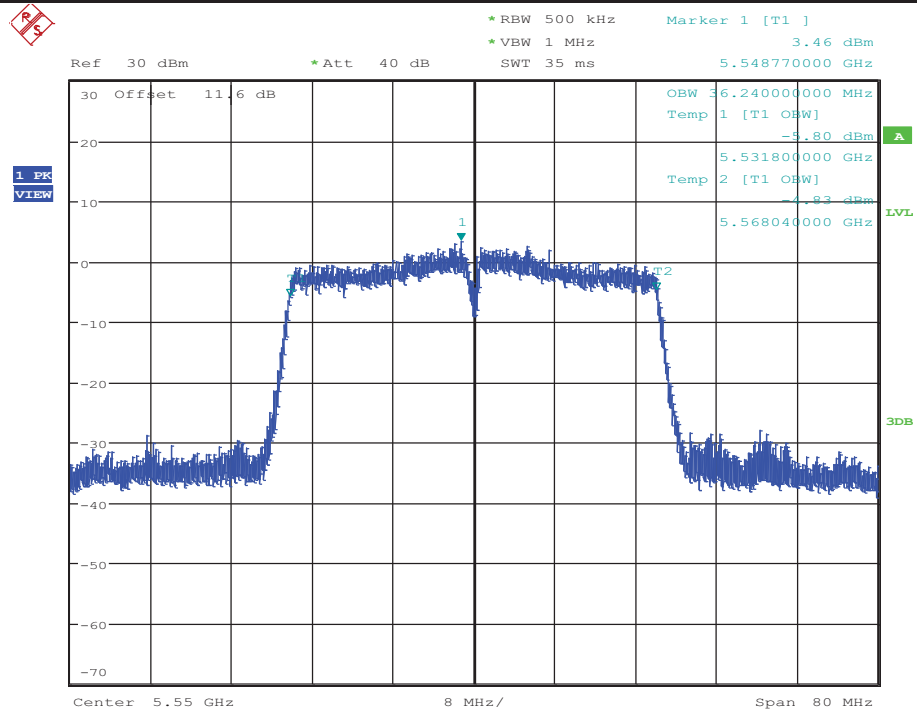
Date: 4.SEP.2017 20:58:44

## Occupied Bandwidth Measurement\_11N40\_5510\_Ant2



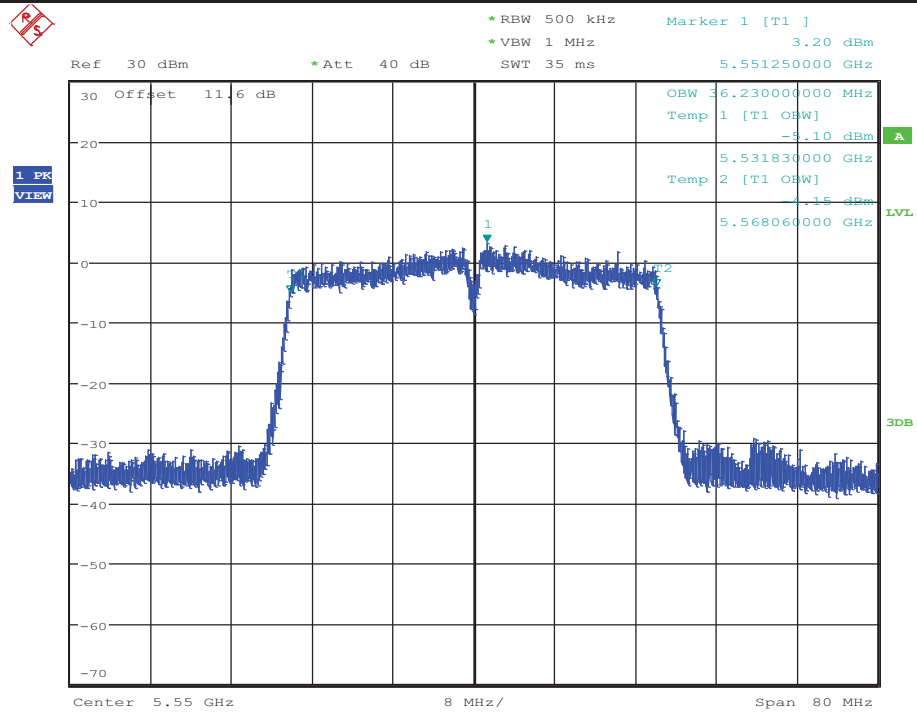
Date: 5.SEP.2017 19:35:19

## Occupied Bandwidth Measurement\_11N40\_5550\_Ant1



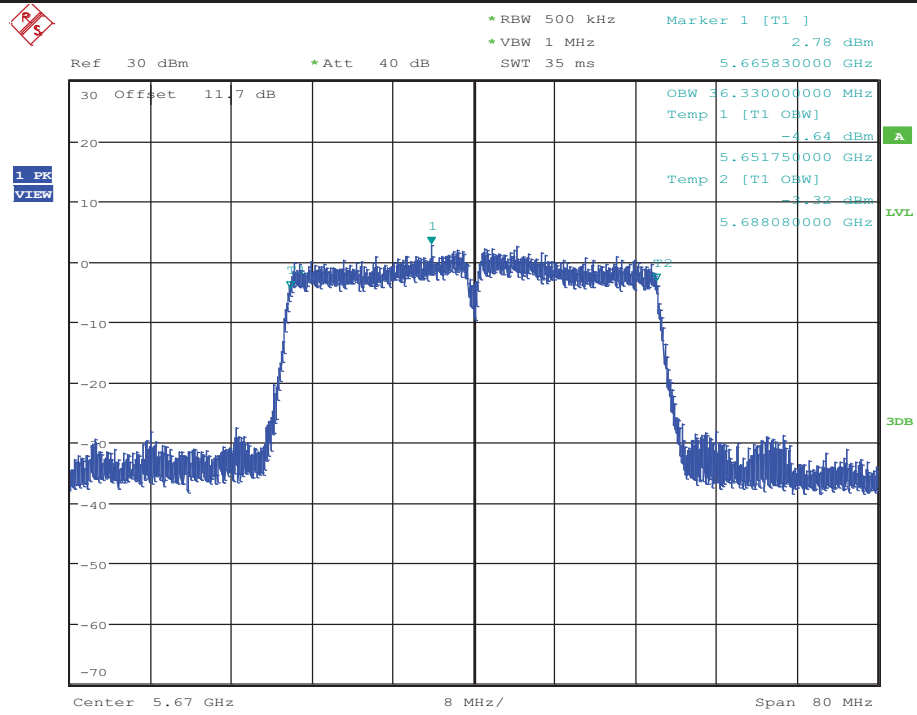
Date: 4.SEP.2017 21:03:17

## Occupied Bandwidth Measurement\_11N40\_5550\_Ant2



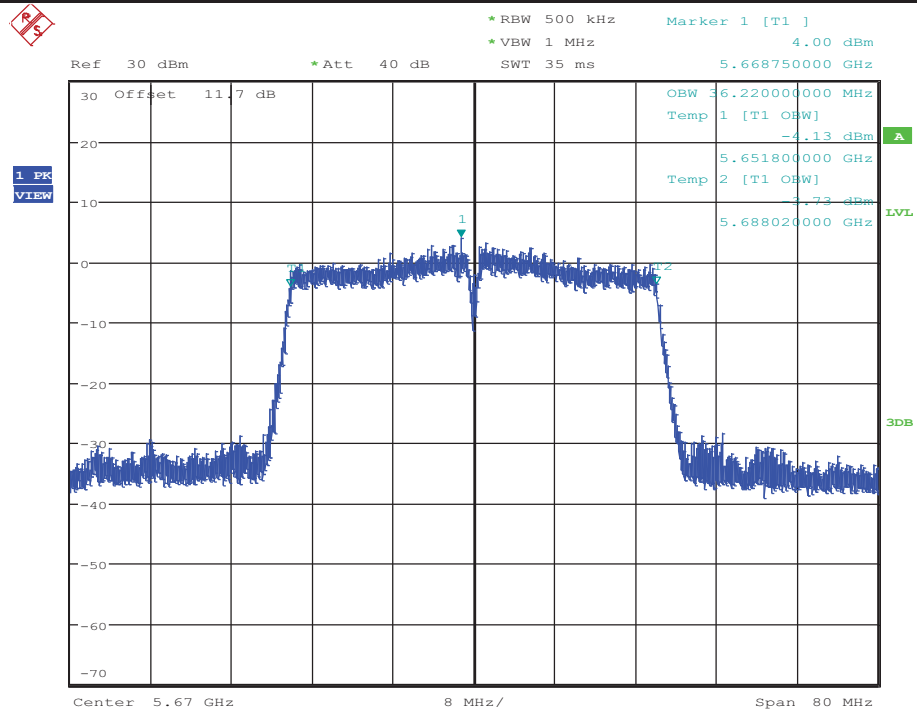
Date: 5.SEP.2017 19:39:38

## Occupied Bandwidth Measurement\_11N40\_5670\_Ant1



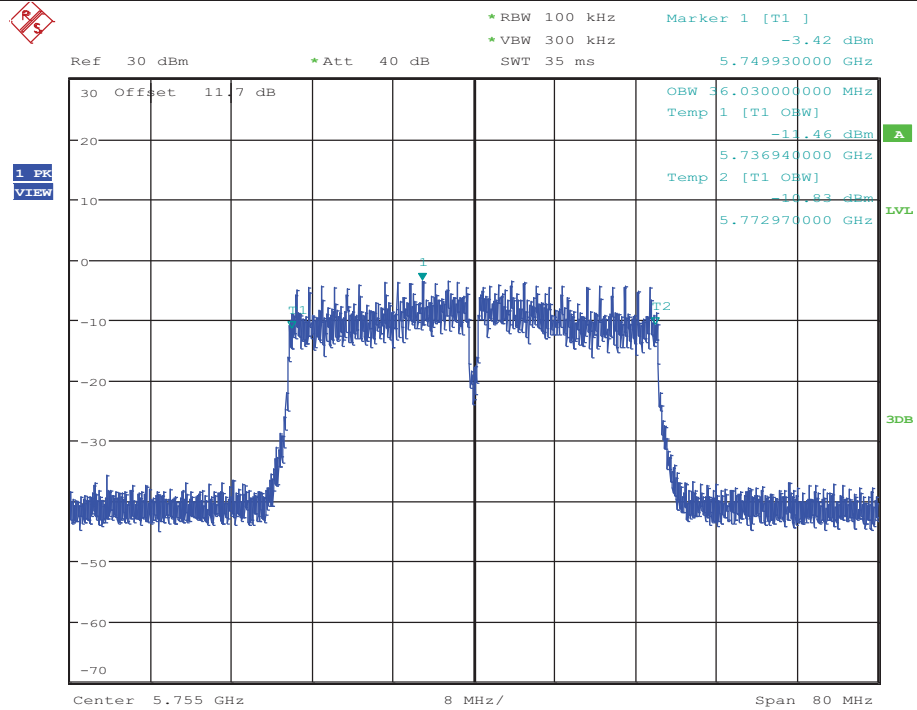
Date: 4.SEP.2017 21:07:22

## Occupied Bandwidth Measurement\_11N40\_5670\_Ant2



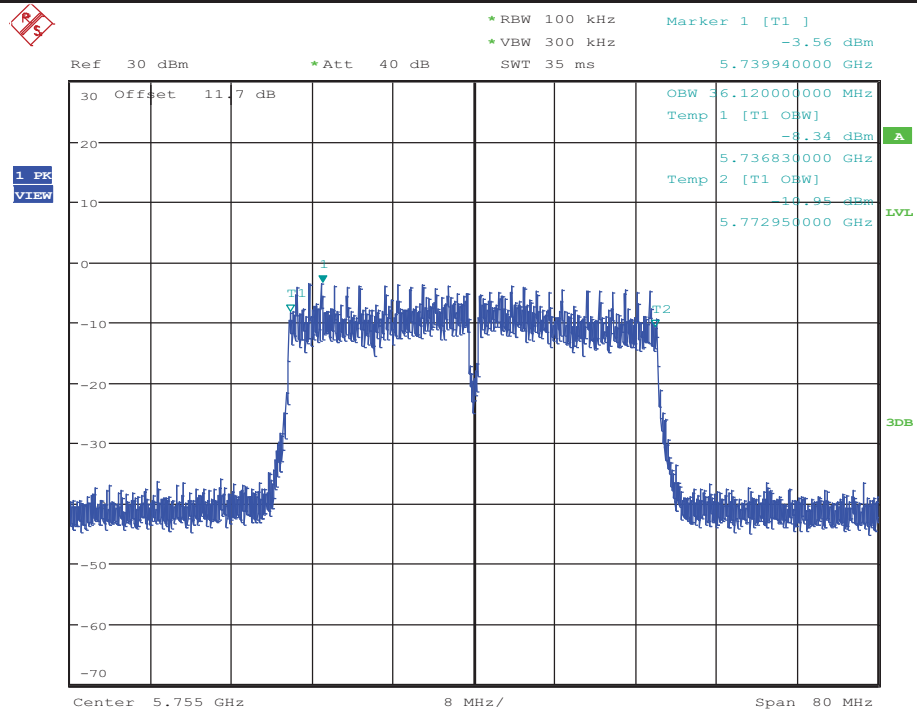
Date: 5.SEP.2017 19:43:31

## Occupied Bandwidth Measurement\_11N40\_5755\_Ant1



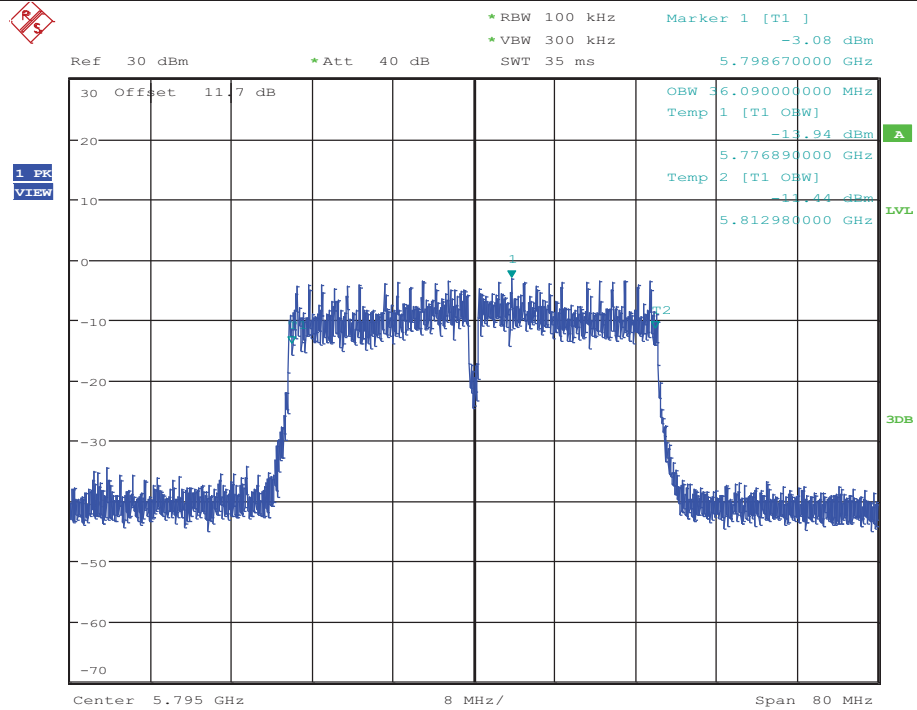
Date: 4.SEP.2017 21:11:51

## Occupied Bandwidth Measurement\_11N40\_5755\_Ant2



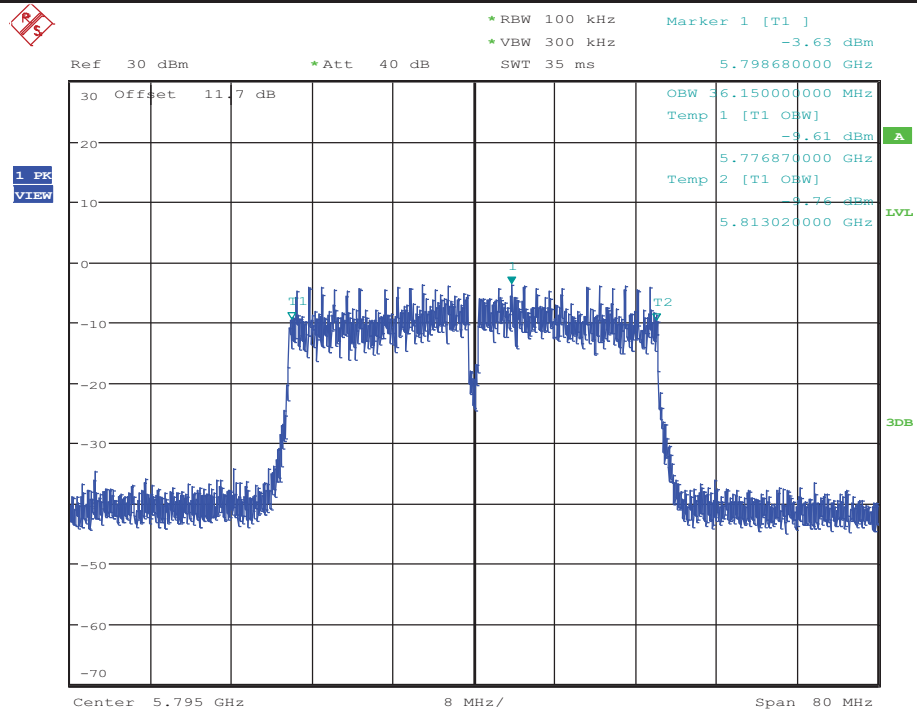
Date: 5.SEP.2017 19:48:05

## Occupied Bandwidth Measurement\_11N40\_5795\_Ant1



Date: 4.SEP.2017 21:16:14

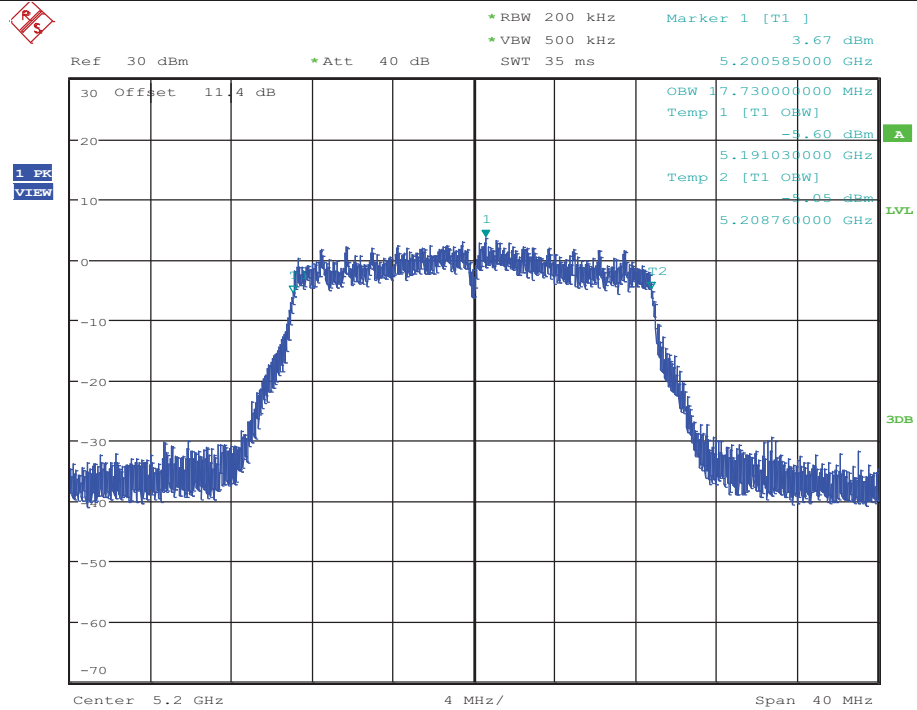
## Occupied Bandwidth Measurement\_11N40\_5795\_Ant2



Date: 5.SEP.2017 19:52:29

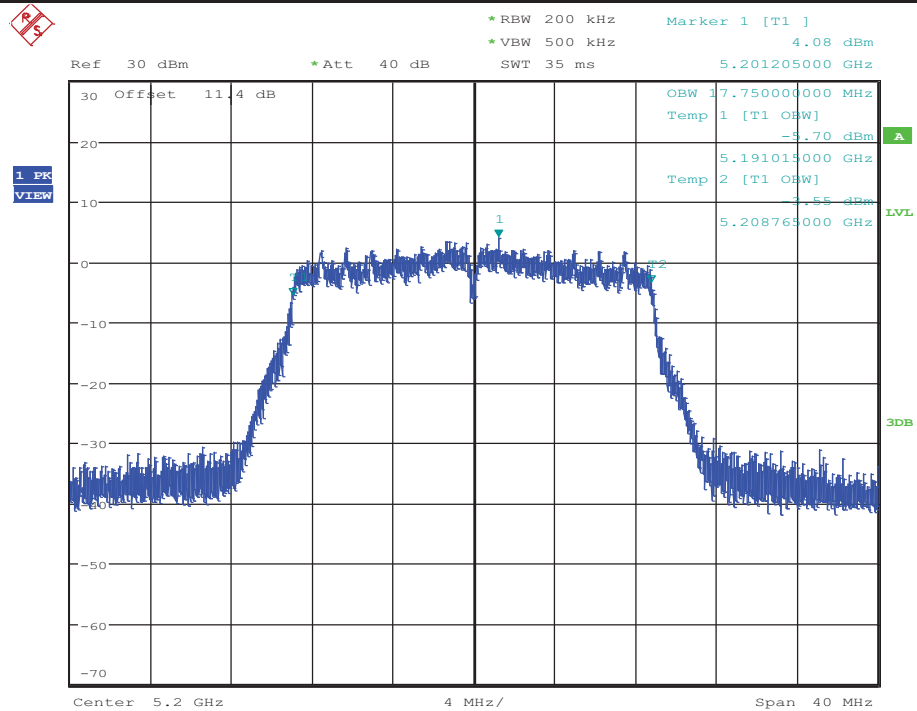


## Occupied Bandwidth Measurement\_11AC20\_5200\_Ant1



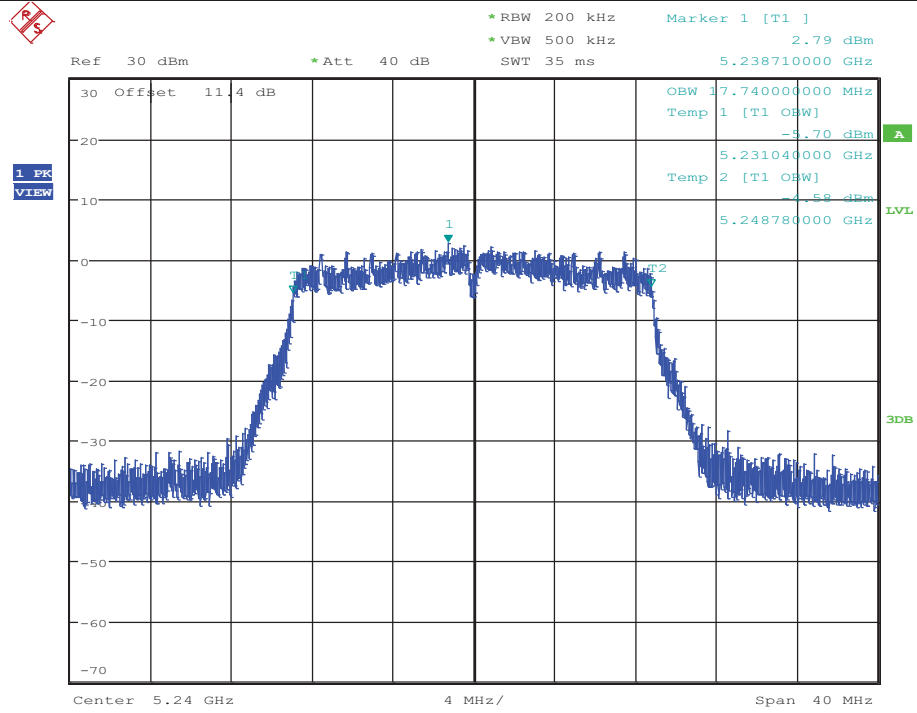
Date: 4.SEP.2017 21:26:08

## Occupied Bandwidth Measurement\_11AC20\_5200\_Ant2



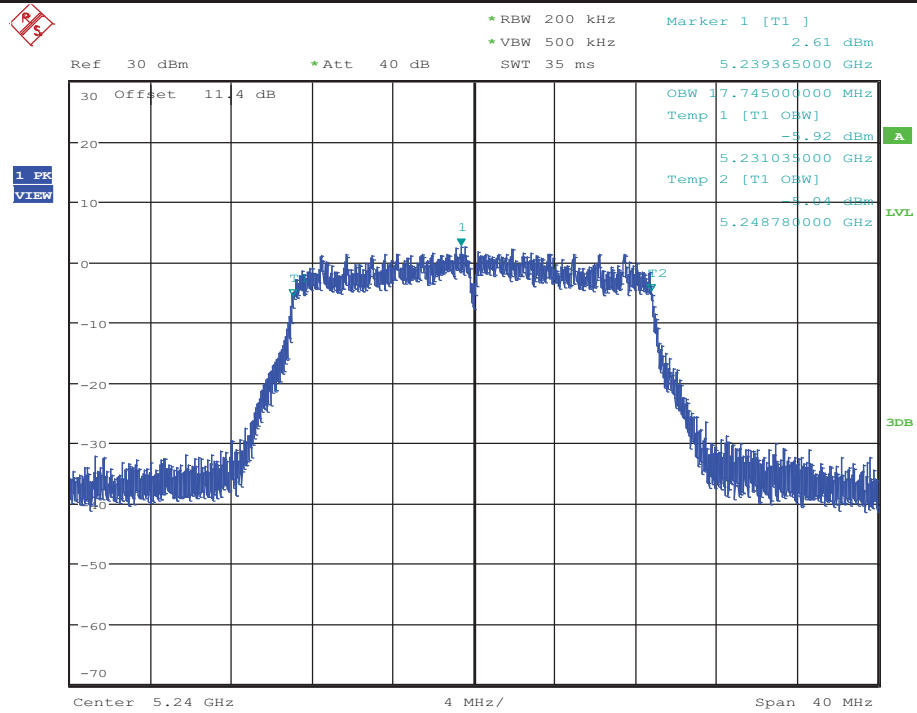
Date: 5.SEP.2017 20:02:05

## Occupied Bandwidth Measurement\_11AC20\_5240\_Ant1



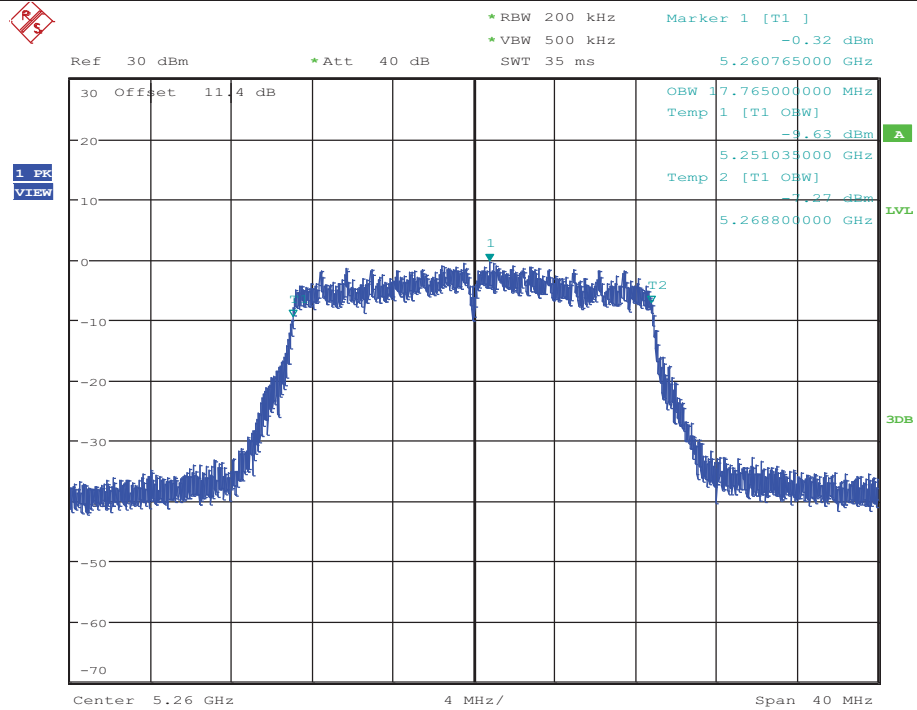
Date: 4.SEP.2017 21:32:02

## Occupied Bandwidth Measurement\_11AC20\_5240\_Ant2



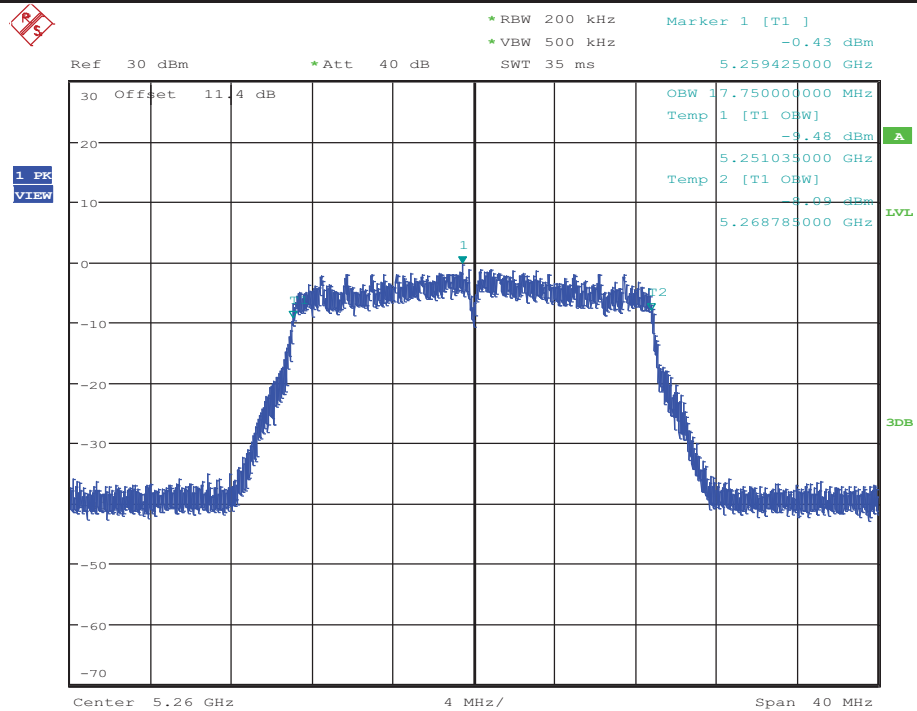
Date: 5.SEP.2017 20:06:31

## Occupied Bandwidth Measurement\_11AC20\_5260\_Ant1



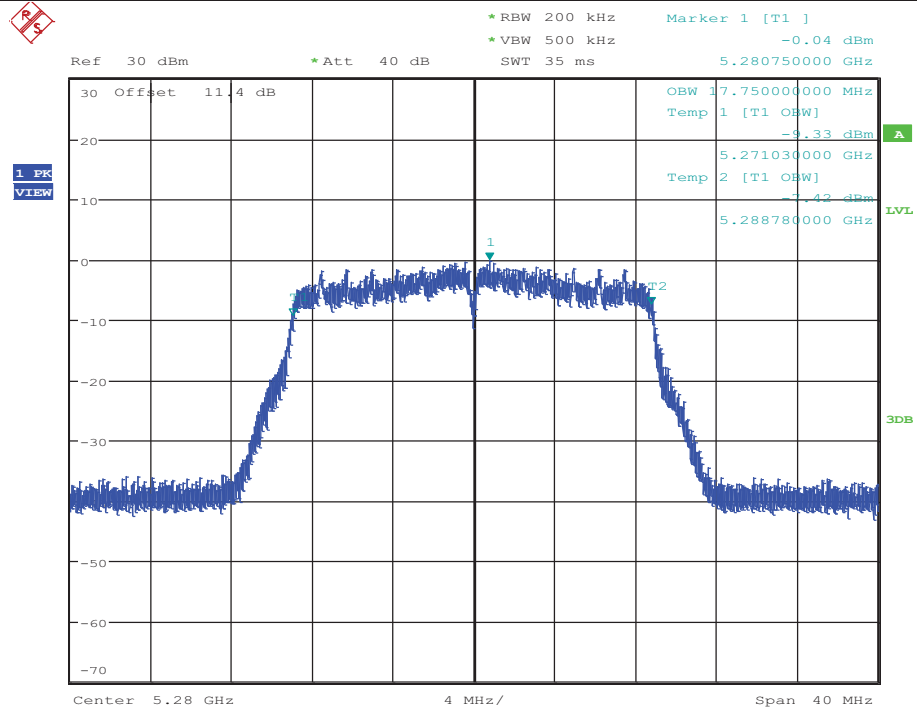
Date: 5.SEP.2017 08:46:58

## Occupied Bandwidth Measurement\_11AC20\_5260\_Ant2



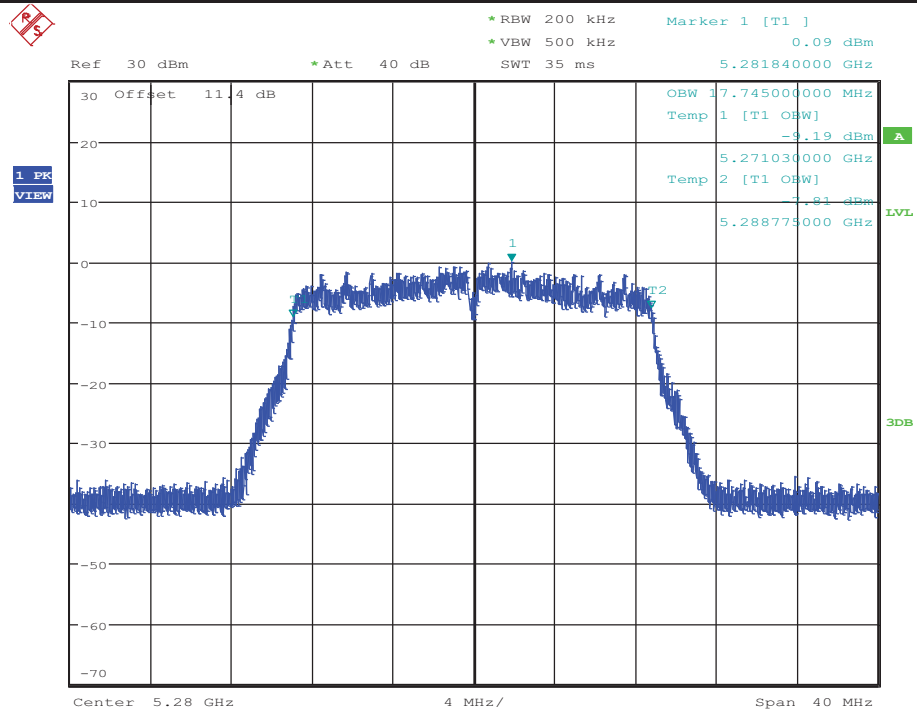
Date: 5.SEP.2017 20:11:31

## Occupied Bandwidth Measurement\_11AC20\_5280\_Ant1



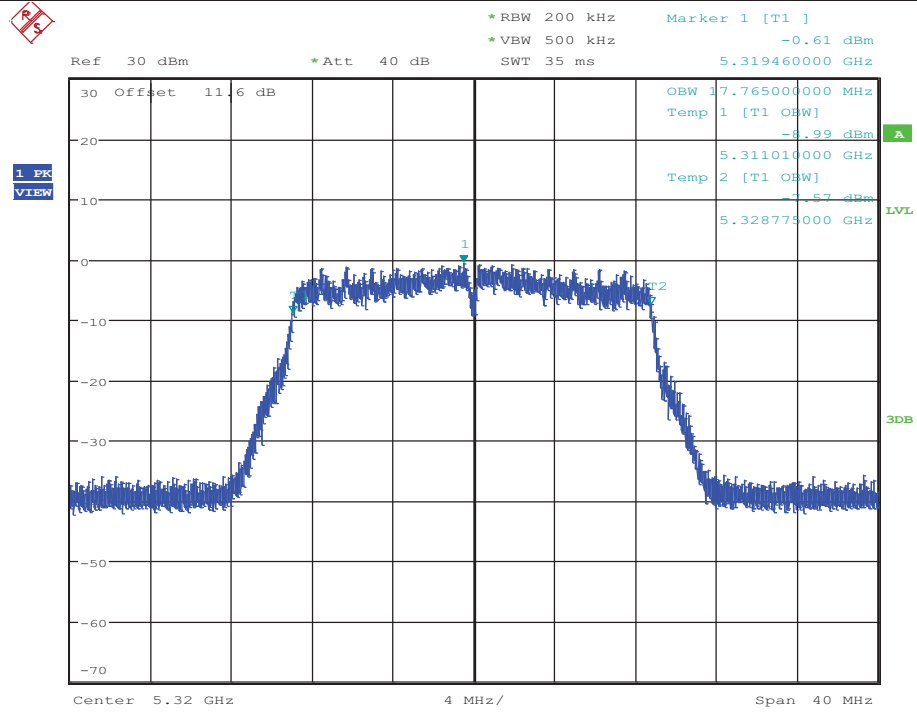
Date: 5.SEP.2017 08:52:14

## Occupied Bandwidth Measurement\_11AC20\_5280\_Ant2



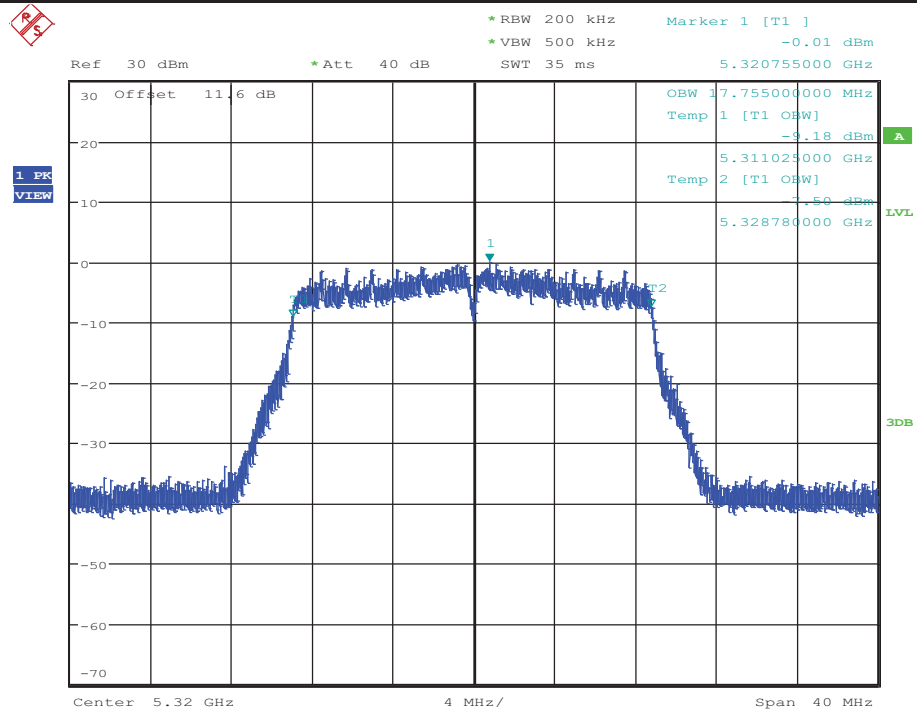
Date: 5.SEP.2017 20:17:06

## Occupied Bandwidth Measurement\_11AC20\_5320\_Ant1



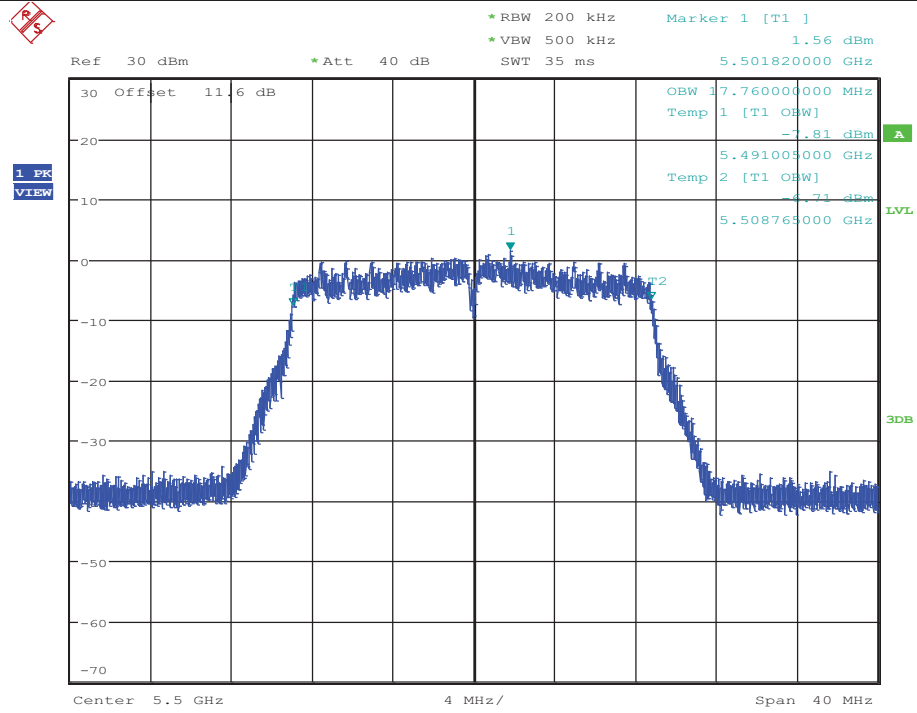
Date: 5.SEP.2017 08:56:43

## Occupied Bandwidth Measurement\_11AC20\_5320\_Ant2



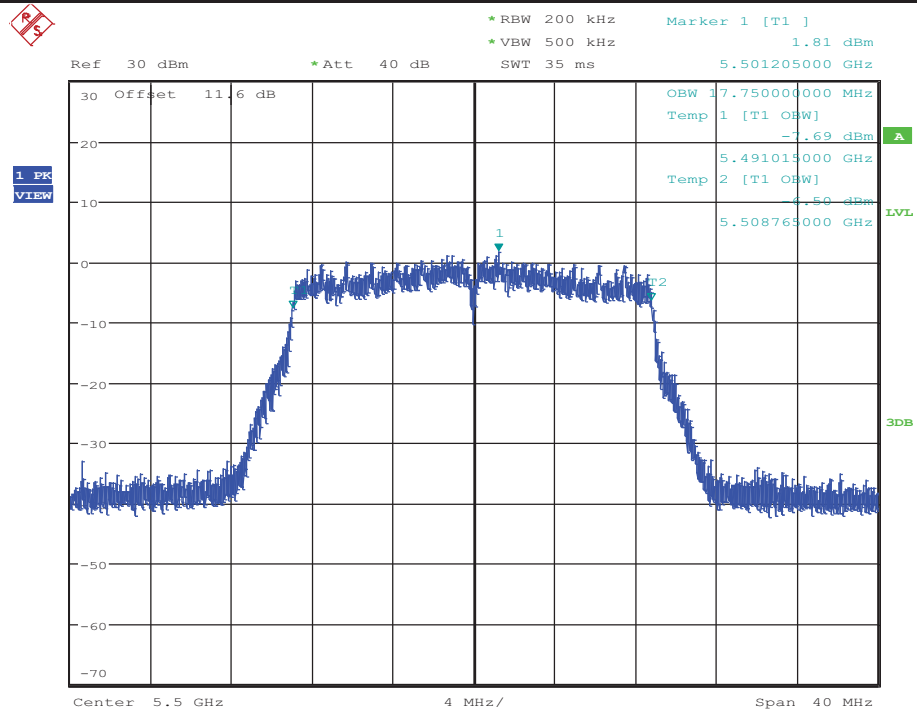
Date: 5.SEP.2017 20:21:33

## Occupied Bandwidth Measurement\_11AC20\_5500\_Ant1



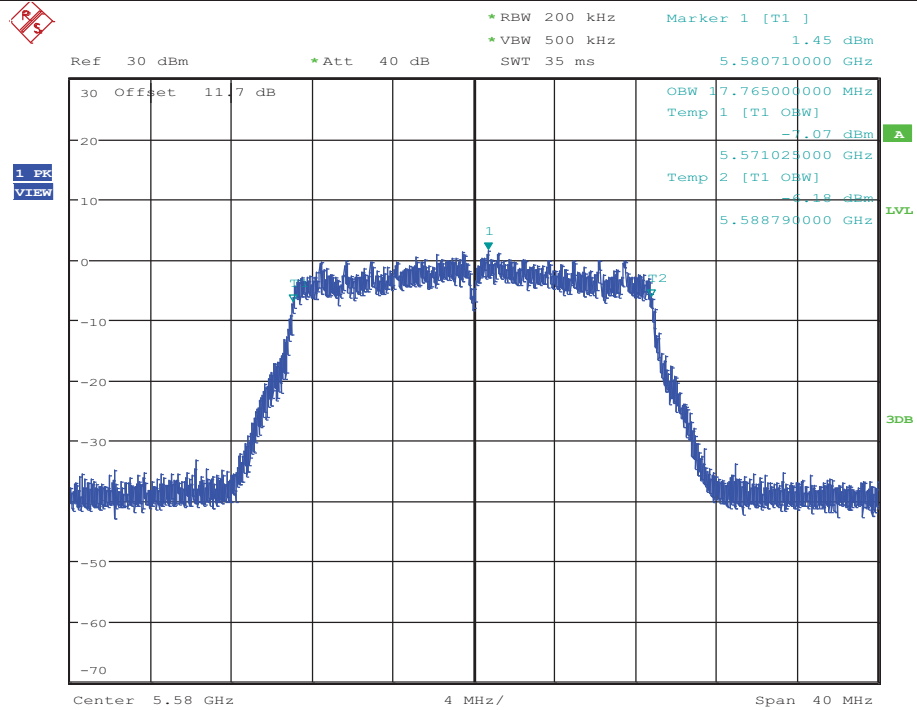
Date: 5.SEP.2017 09:01:44

## Occupied Bandwidth Measurement\_11AC20\_5500\_Ant2



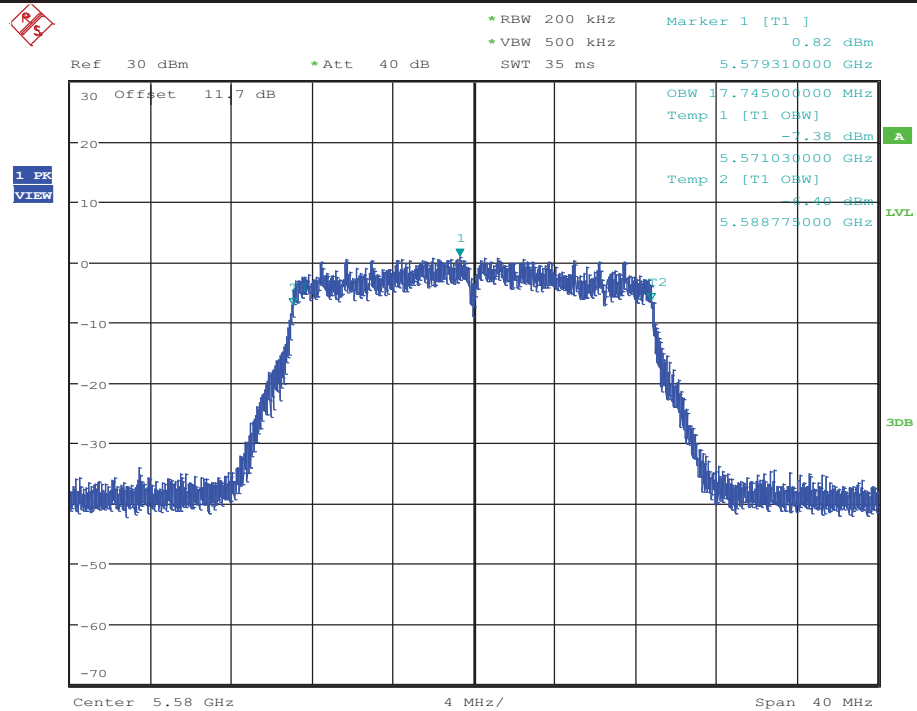
Date: 5.SEP.2017 20:26:40

## Occupied Bandwidth Measurement\_11AC20\_5580\_Ant1



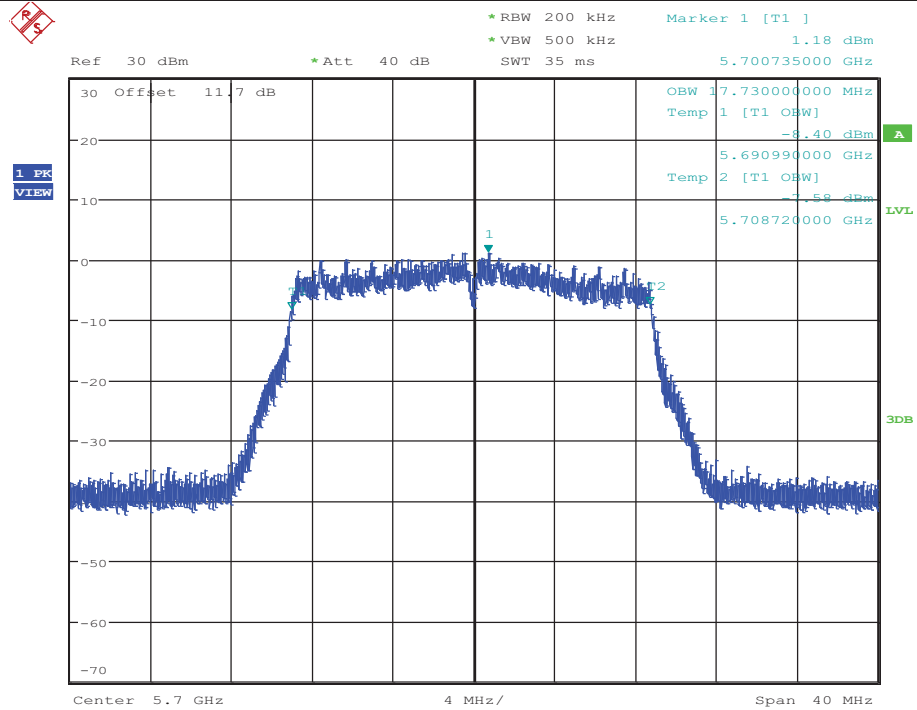
Date: 5.SEP.2017 09:06:45

## Occupied Bandwidth Measurement\_11AC20\_5580\_Ant2



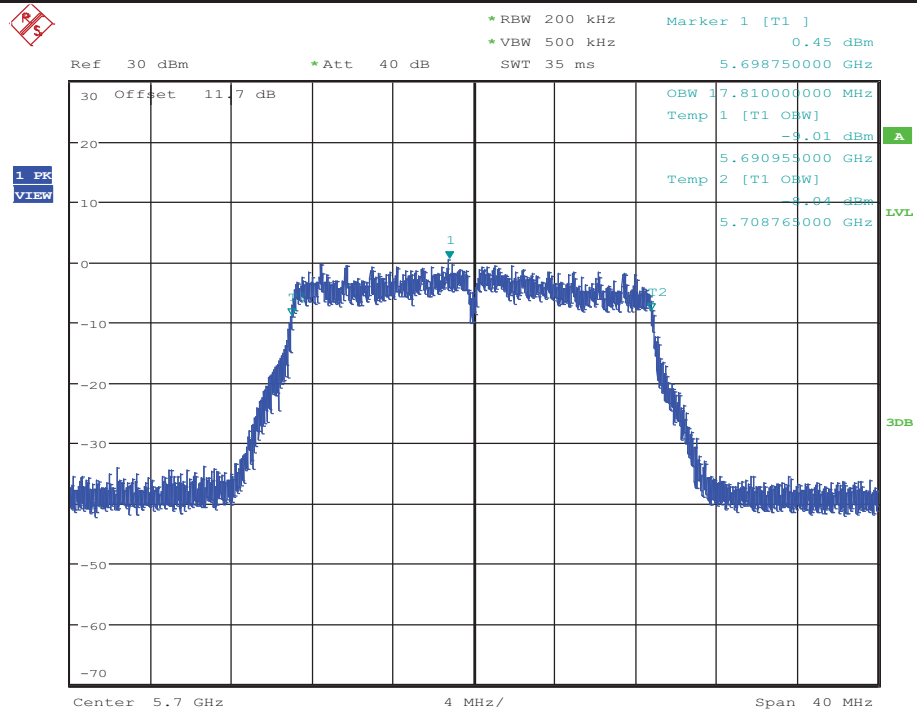
Date: 5.SEP.2017 20:31:47

## Occupied Bandwidth Measurement\_11AC20\_5700\_Ant1



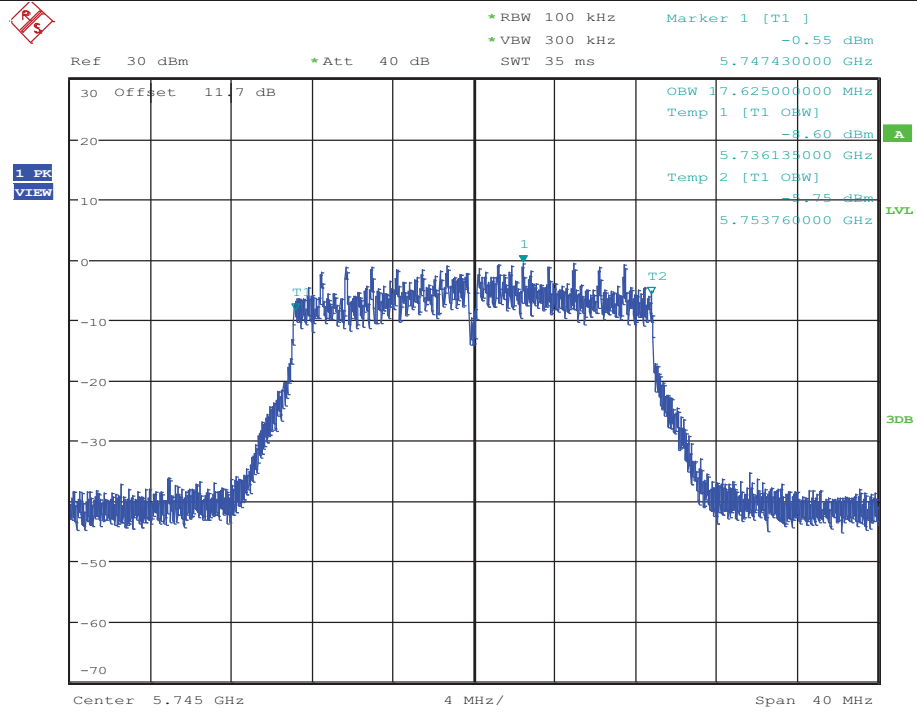
Date: 5.SEP.2017 09:11:12

## Occupied Bandwidth Measurement\_11AC20\_5700\_Ant2



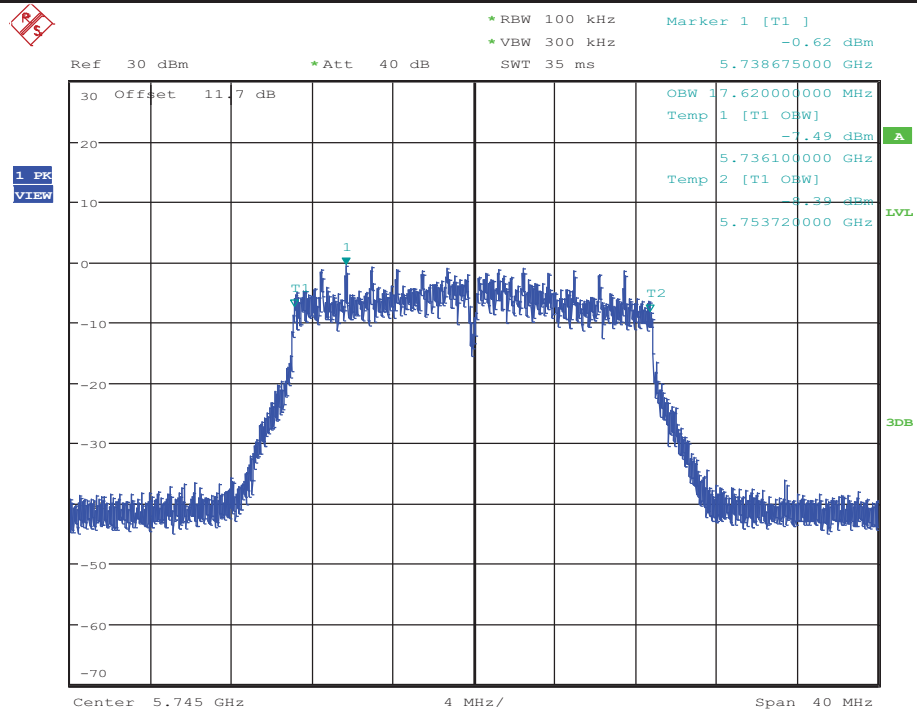
Date: 5.SEP.2017 20:36:14

## Occupied Bandwidth Measurement\_11AC20\_5745\_Ant1



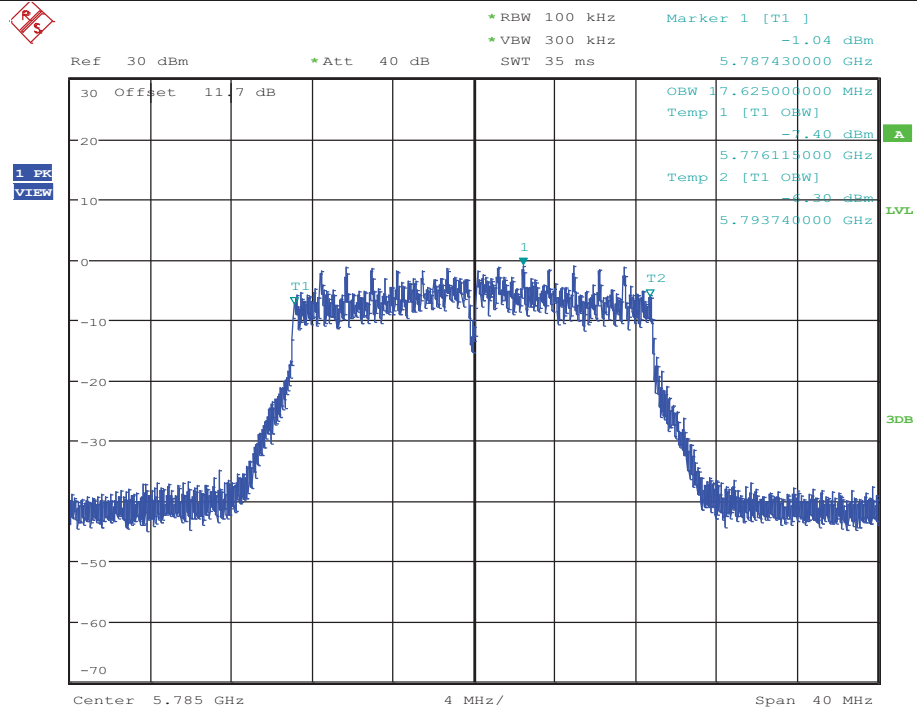
Date: 5.SEP.2017 09:33:42

## Occupied Bandwidth Measurement\_11AC20\_5745\_Ant2



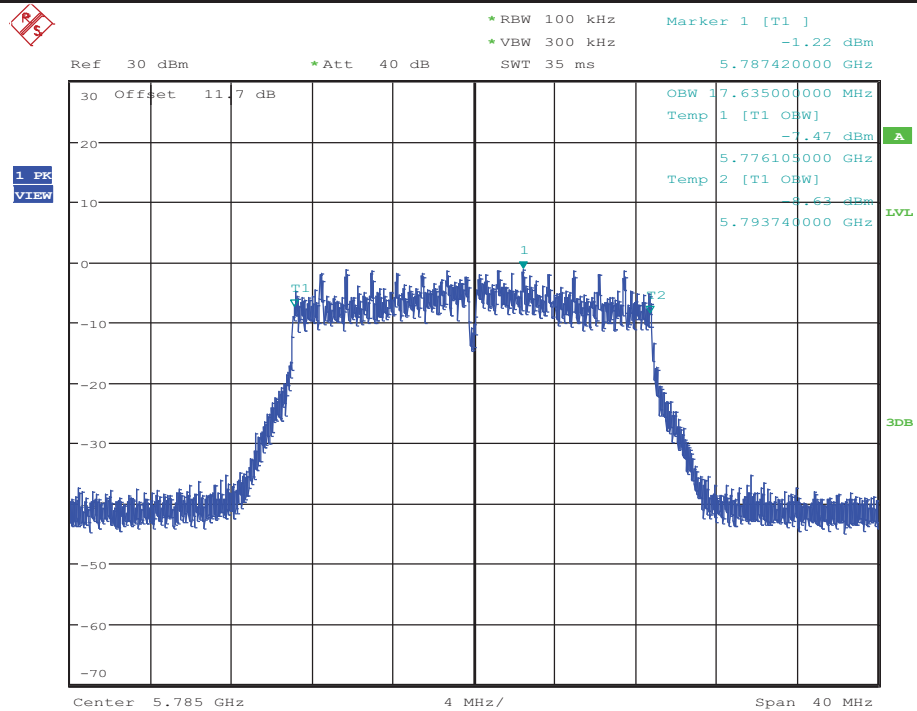
Date: 5.SEP.2017 20:41:14

## Occupied Bandwidth Measurement\_11AC20\_5785\_Ant1



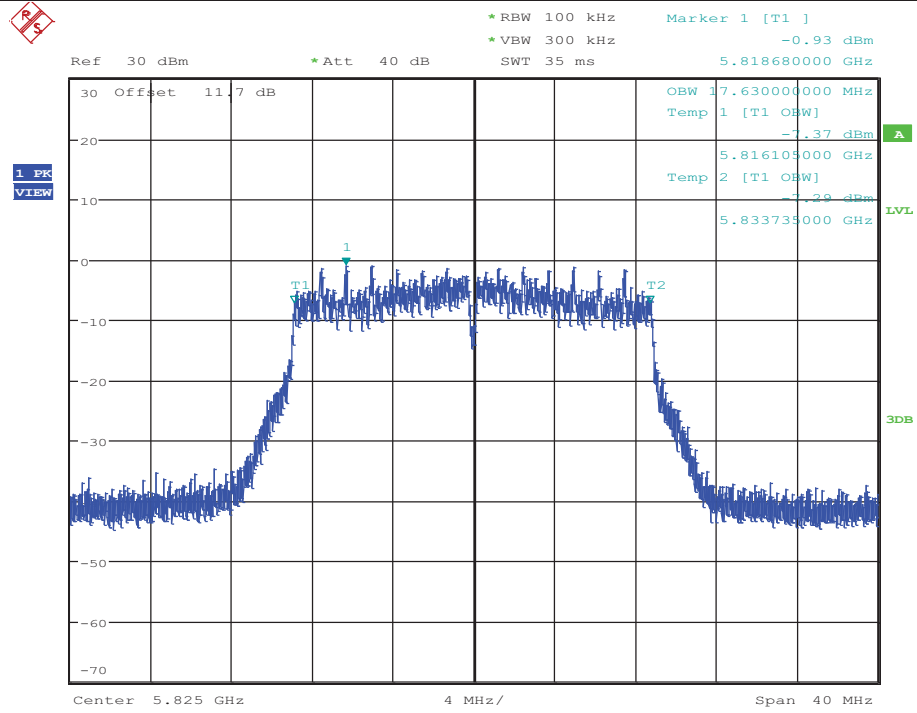
Date: 5.SEP.2017 09:37:46

## Occupied Bandwidth Measurement\_11AC20\_5785\_Ant2



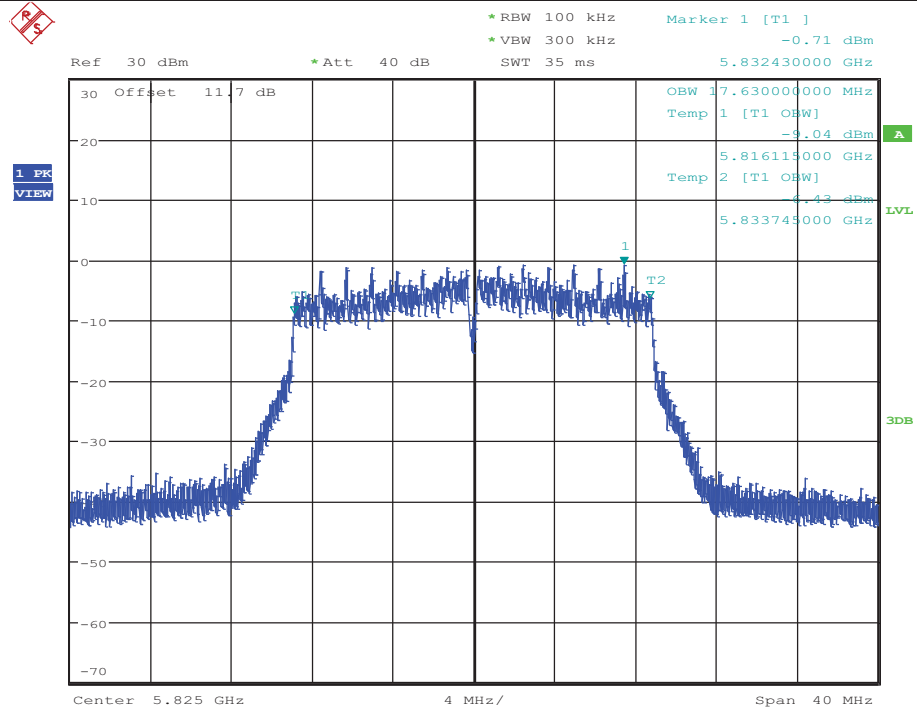
Date: 5.SEP.2017 20:45:26

## Occupied Bandwidth Measurement\_11AC20\_5825\_Ant1



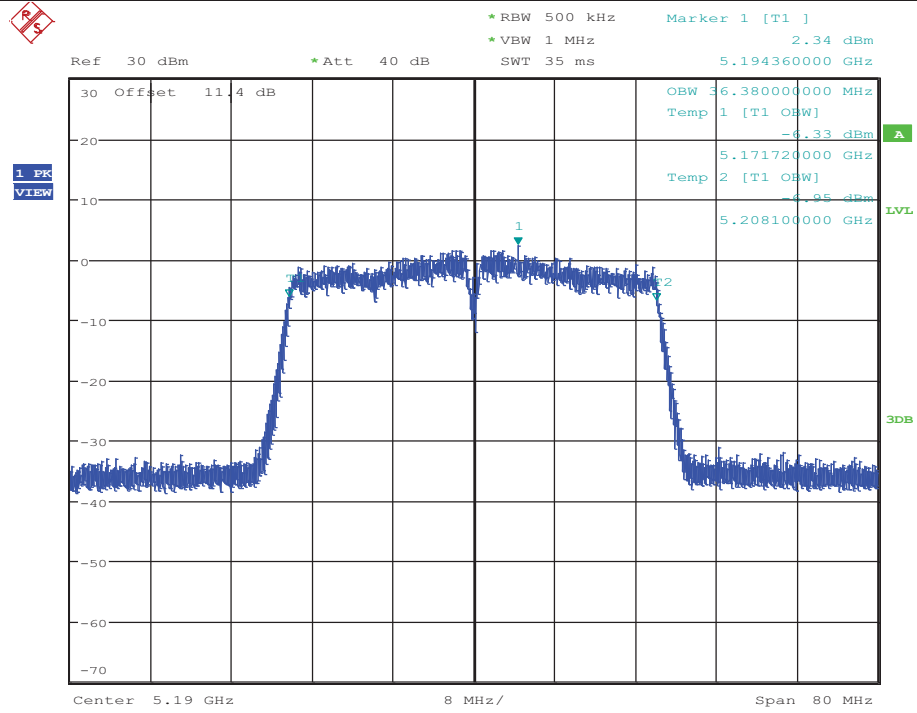
Date: 5.SEP.2017 09:41:22

## Occupied Bandwidth Measurement\_11AC20\_5825\_Ant2



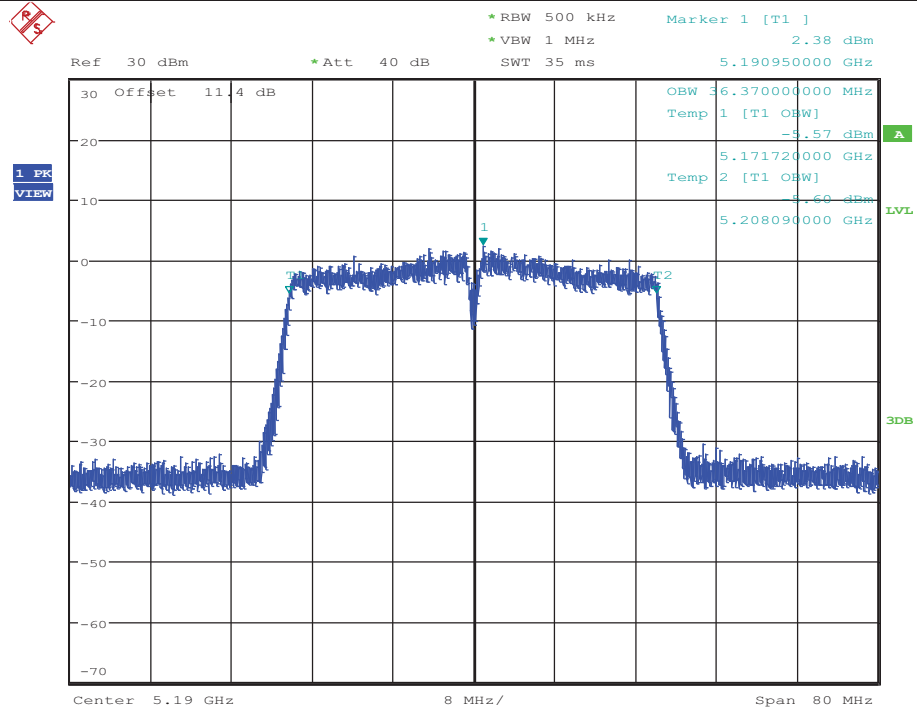
Date: 5.SEP.2017 20:49:10

## Occupied Bandwidth Measurement\_11AC40\_5190\_Ant1



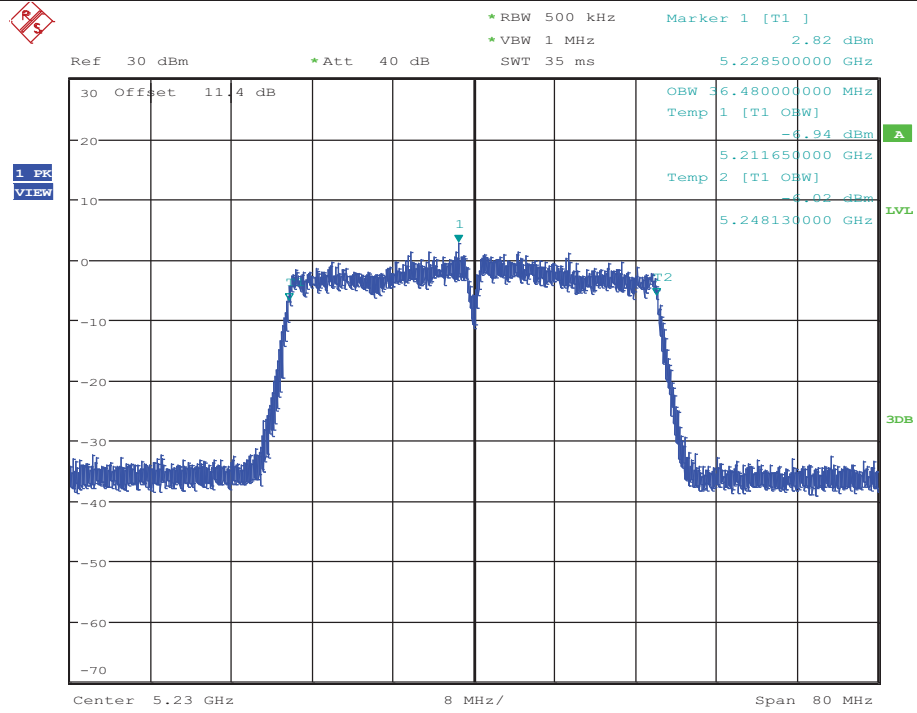
Date: 5.SEP.2017 09:45:36

## Occupied Bandwidth Measurement\_11AC40\_5190\_Ant2



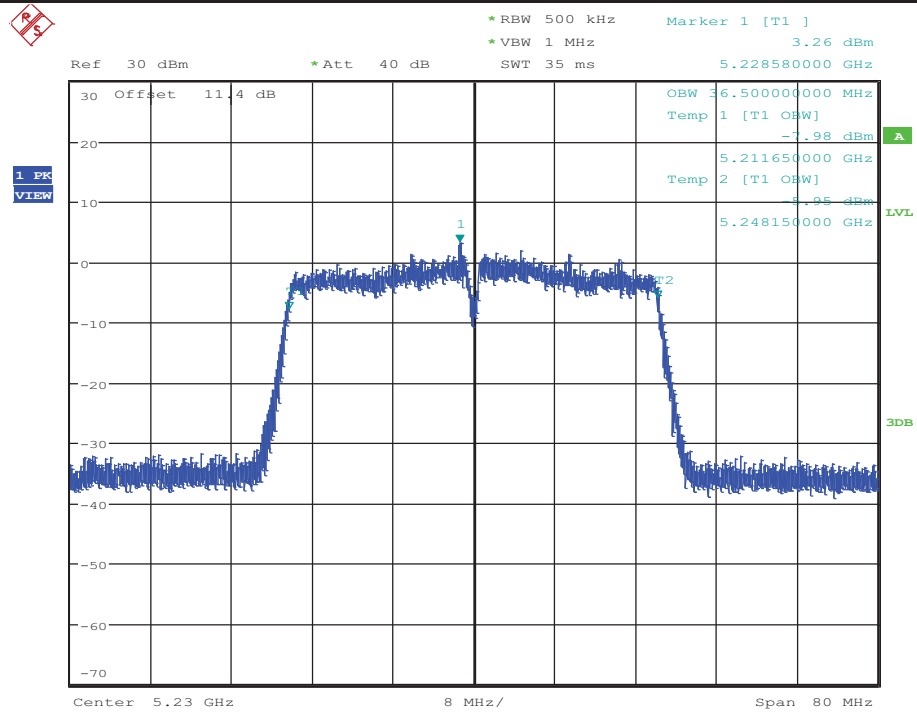
Date: 5.SEP.2017 20:56:53

## Occupied Bandwidth Measurement\_11AC40\_5230\_Ant1



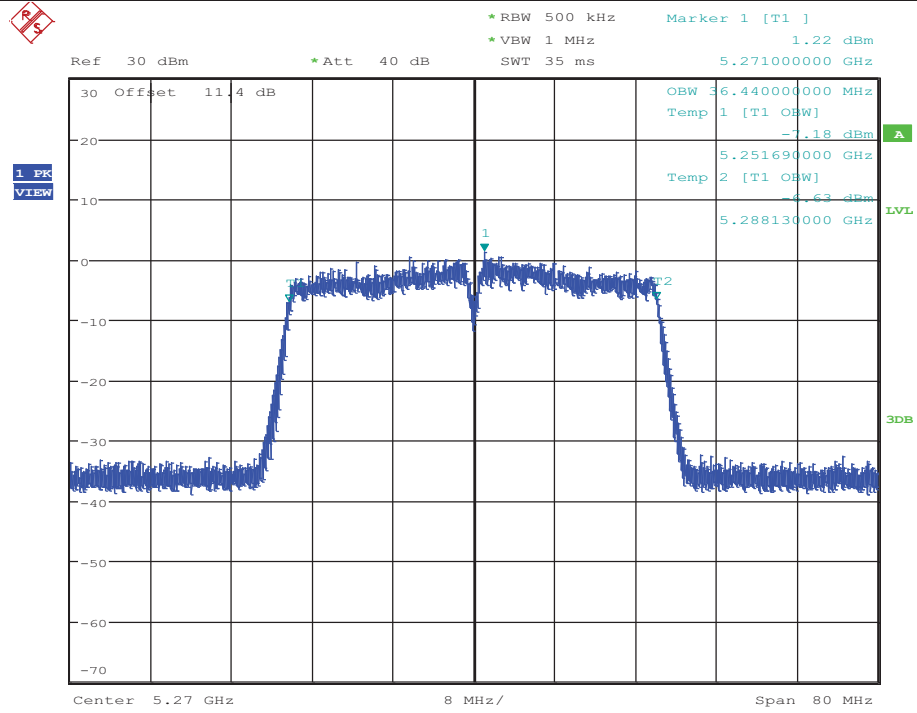
Date: 5.SEP.2017 09:50:06

## Occupied Bandwidth Measurement\_11AC40\_5230\_Ant2



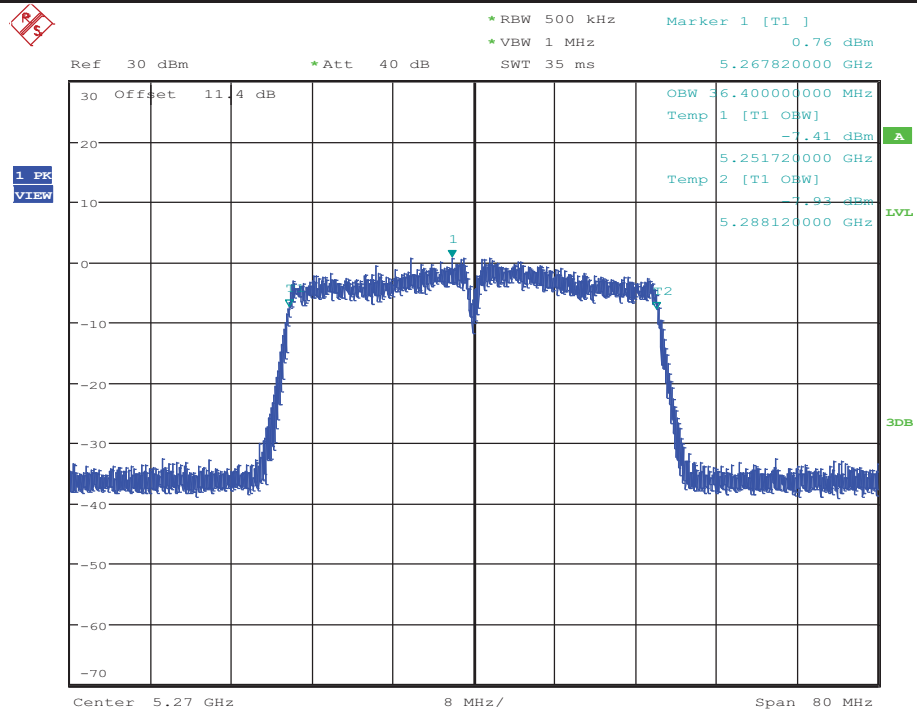
Date: 5.SEP.2017 21:01:19

## Occupied Bandwidth Measurement\_11AC40\_5270\_Ant1



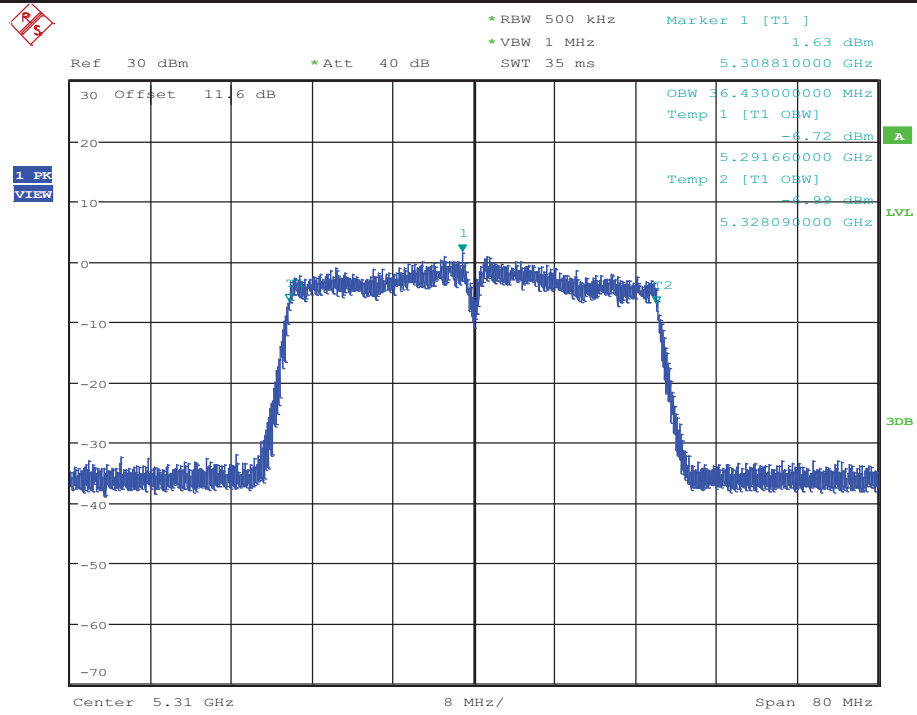
Date: 5.SEP.2017 09:56:58

## Occupied Bandwidth Measurement\_11AC40\_5270\_Ant2



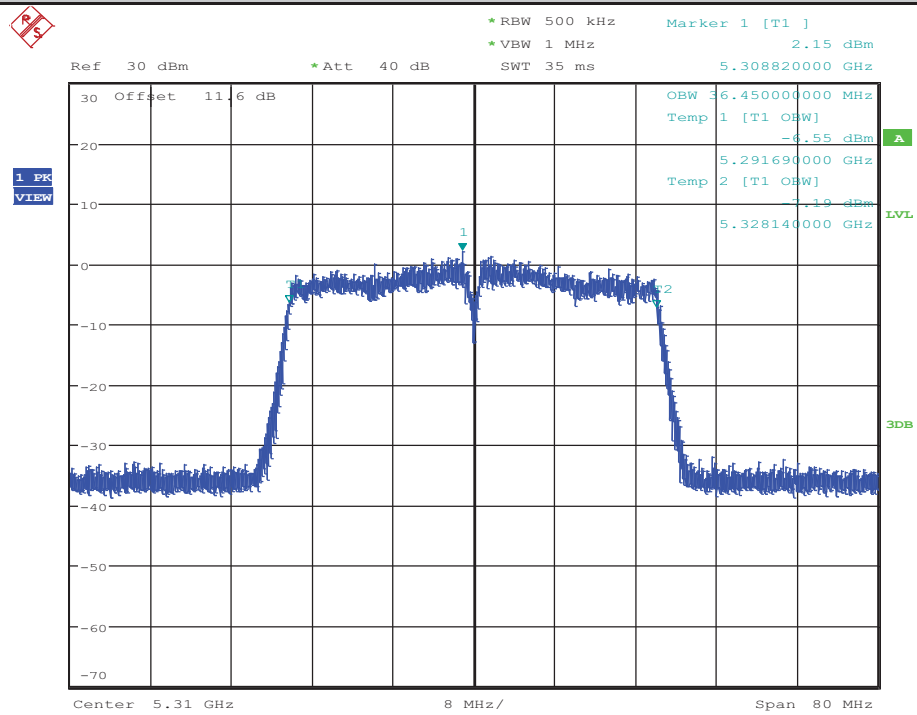
Date: 5.SEP.2017 21:05:46

## Occupied Bandwidth Measurement\_11AC40\_5310\_Ant1



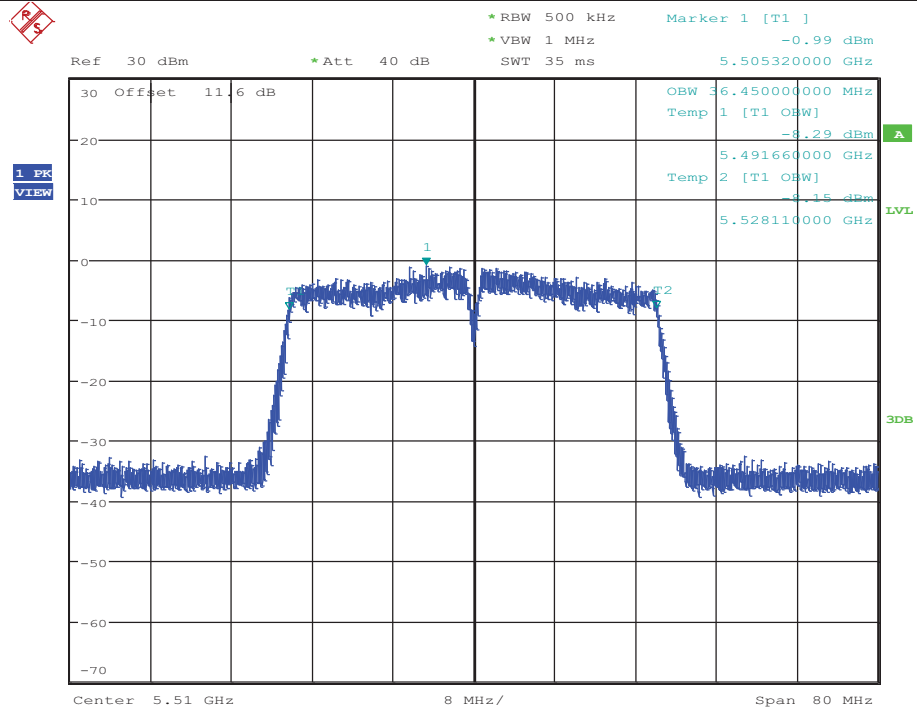
Date: 5.SEP.2017 10:01:26

## Occupied Bandwidth Measurement\_11AC40\_5310\_Ant2



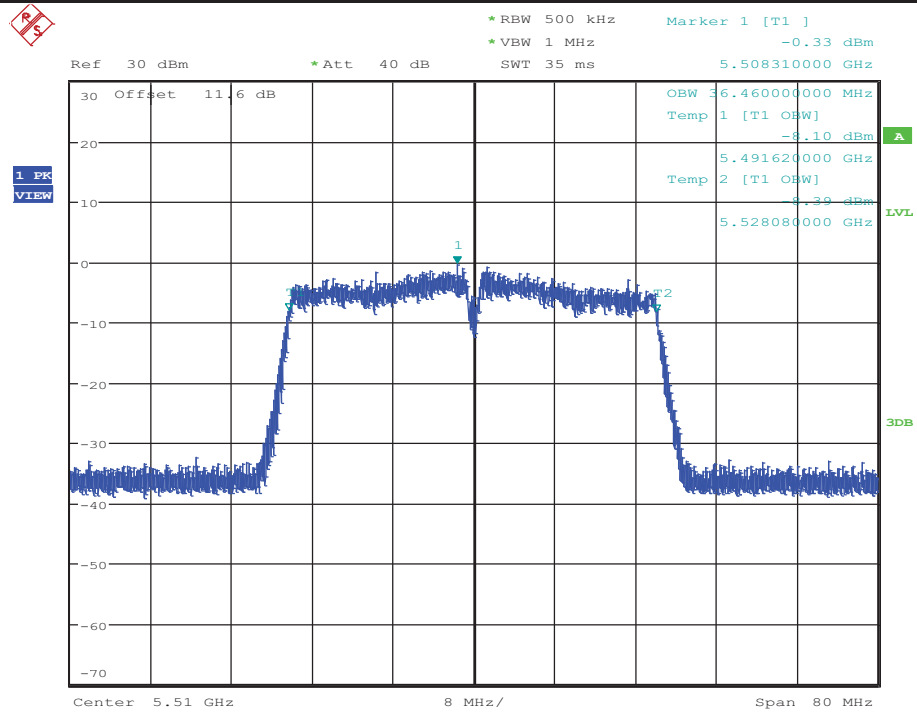
Date: 5.SEP.2017 21:10:15

## Occupied Bandwidth Measurement\_11AC40\_5510\_Ant1



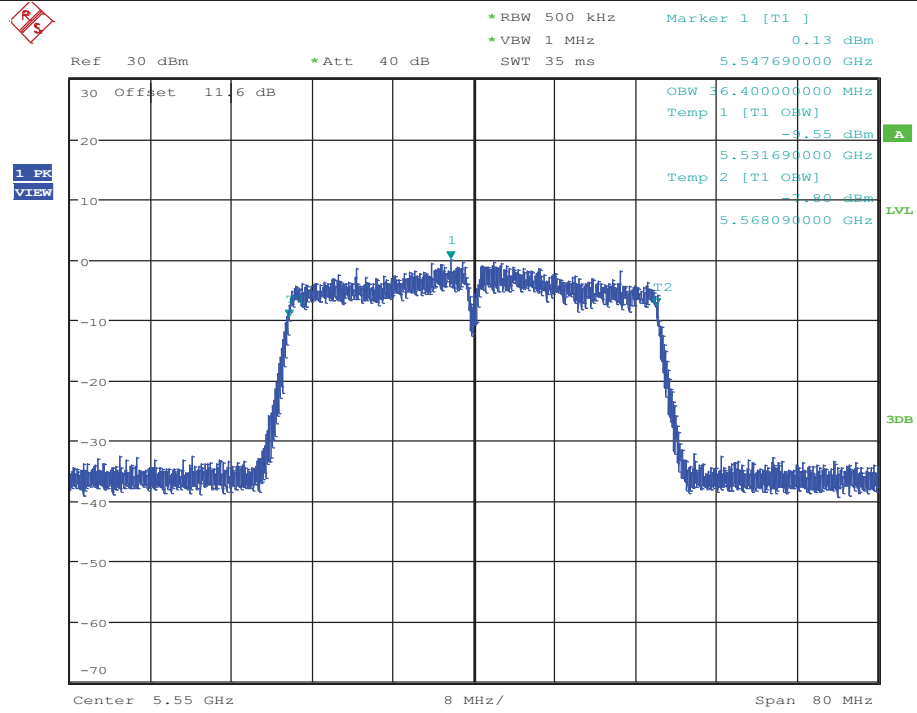
Date: 5.SEP.2017 10:06:19

## Occupied Bandwidth Measurement\_11AC40\_5510\_Ant2



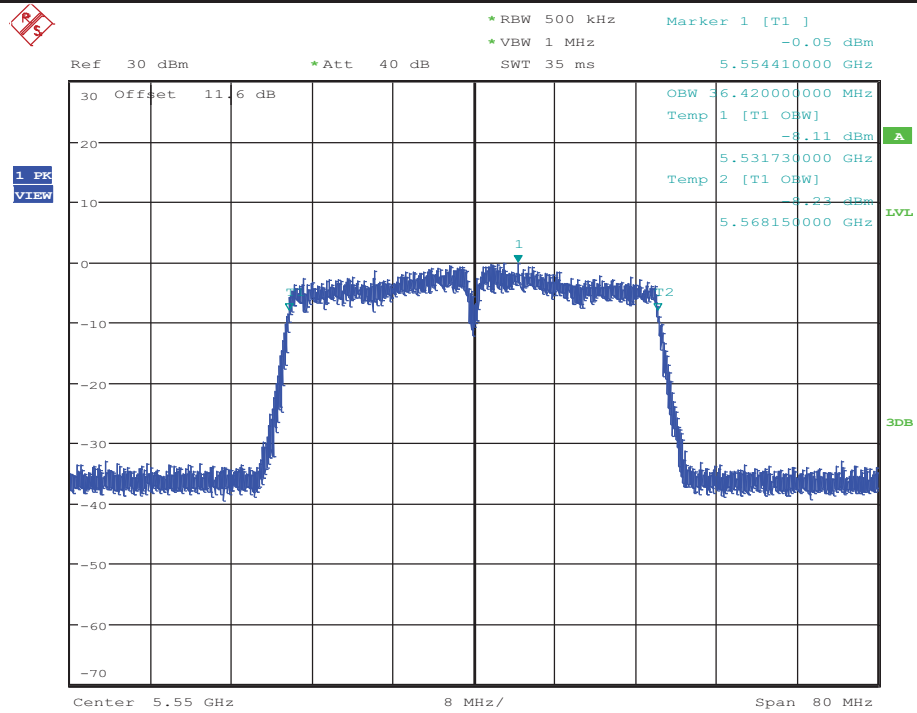
Date: 5.SEP.2017 21:15:51

## Occupied Bandwidth Measurement\_11AC40\_5550\_Ant1



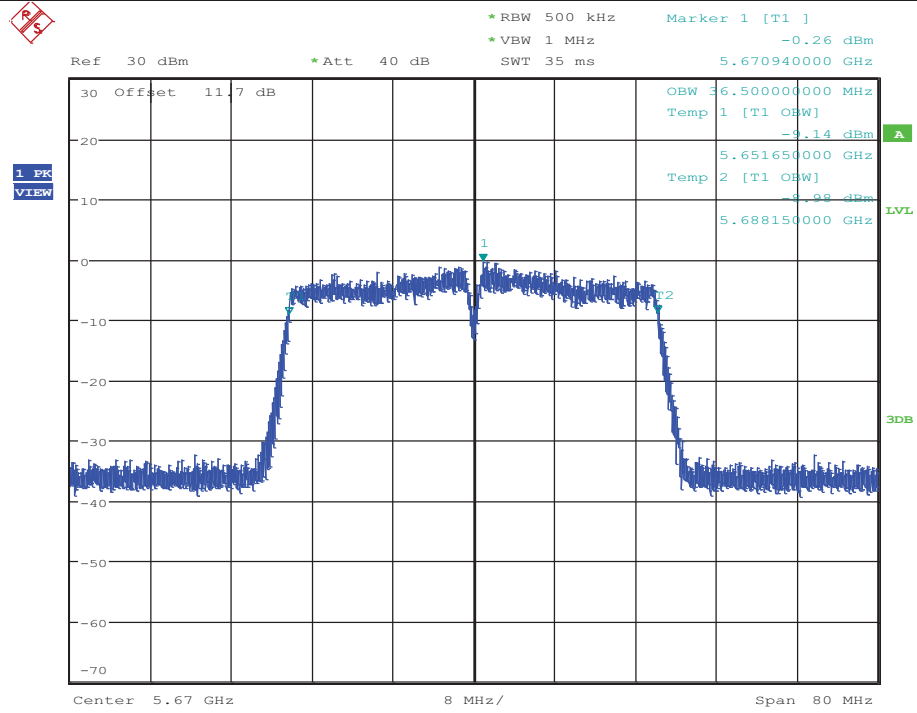
Date: 5.SEP.2017 10:11:27

## Occupied Bandwidth Measurement\_11AC40\_5550\_Ant2



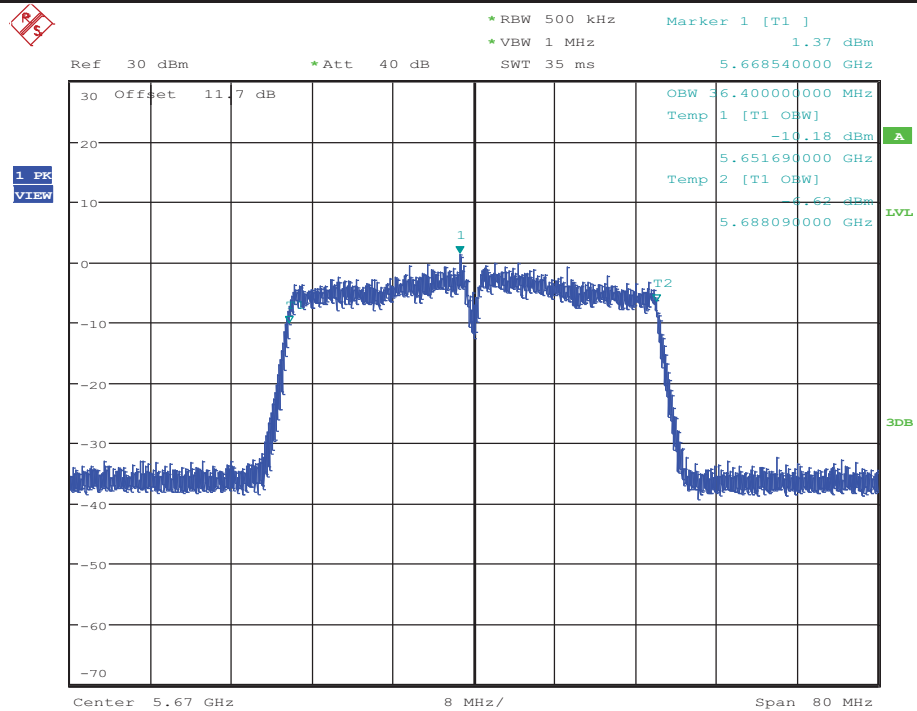
Date: 5.SEP.2017 21:20:28

## Occupied Bandwidth Measurement\_11AC40\_5670\_Ant1



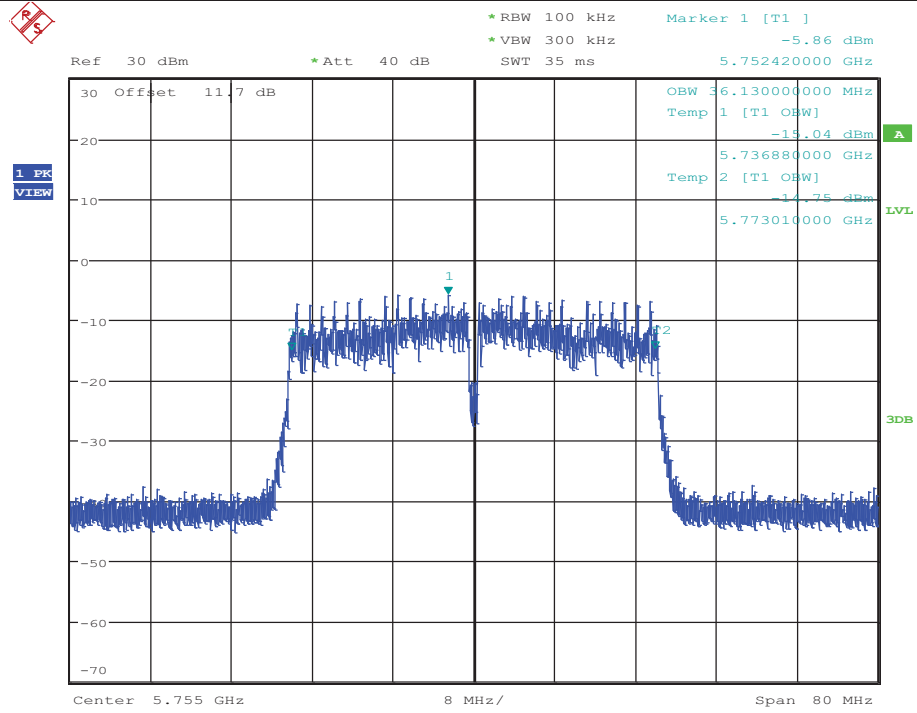
Date: 5.SEP.2017 10:15:42

## Occupied Bandwidth Measurement\_11AC40\_5670\_Ant2



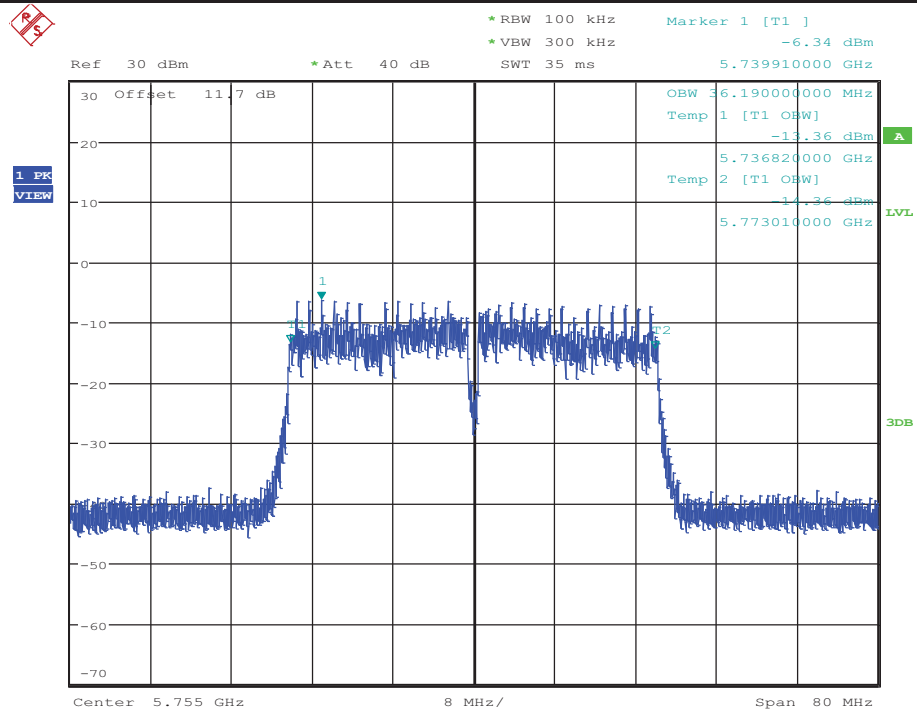
Date: 5.SEP.2017 21:25:04

## Occupied Bandwidth Measurement\_11AC40\_5755\_Ant1



Date: 5.SEP.2017 10:20:07

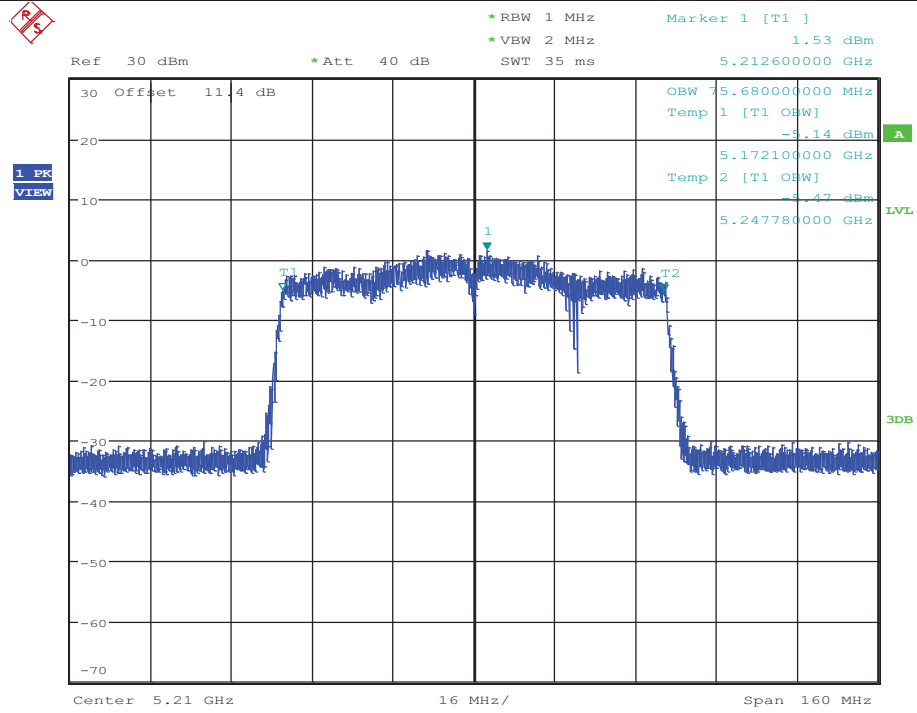
## Occupied Bandwidth Measurement\_11AC40\_5755\_Ant2



Date: 5.SEP.2017 21:29:32

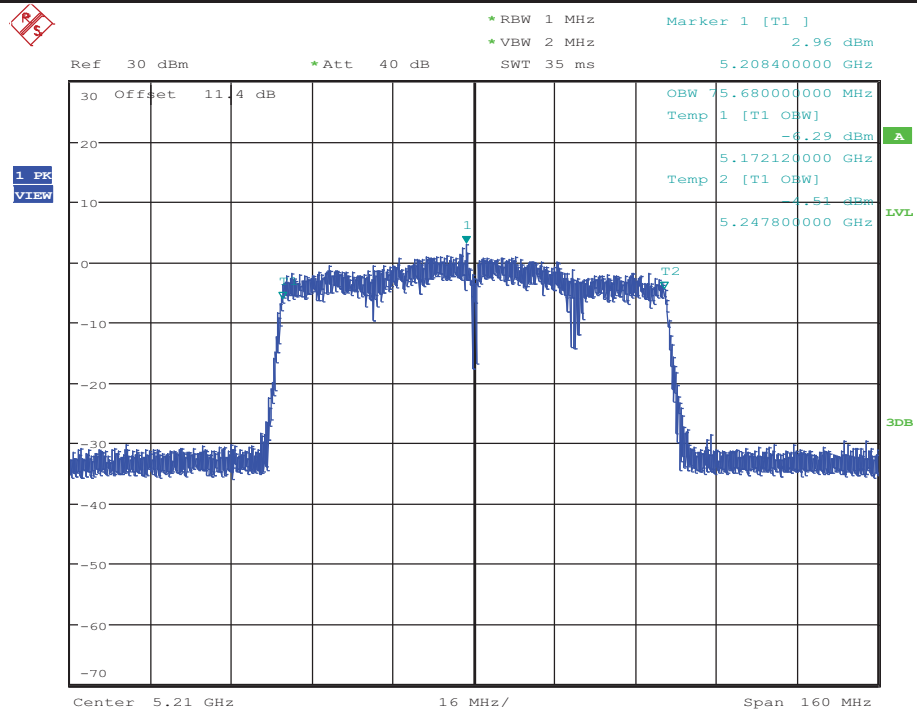


## Occupied Bandwidth Measurement\_11AC80\_5210\_Ant1



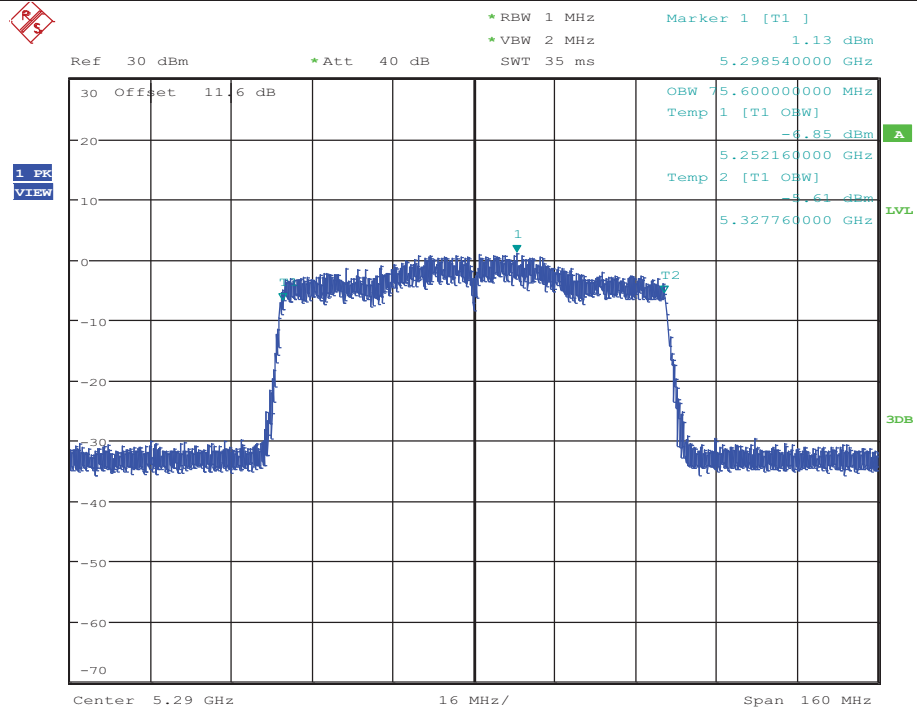
Date: 5.SEP.2017 10:38:09

## Occupied Bandwidth Measurement\_11AC80\_5210\_Ant2



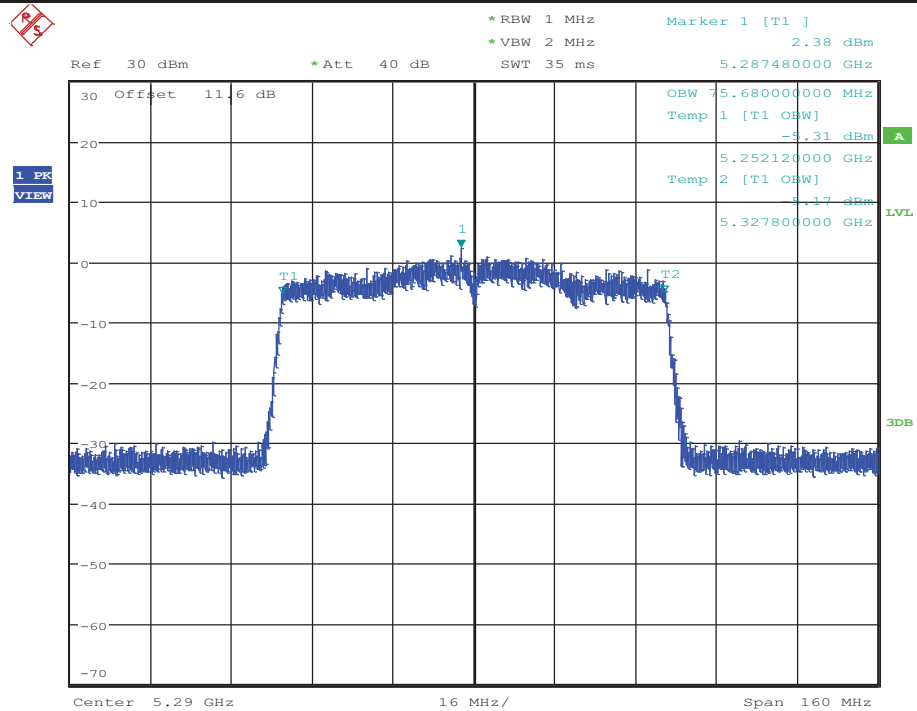
Date: 5.SEP.2017 21:38:39

## Occupied Bandwidth Measurement\_11AC80\_5290\_Ant1



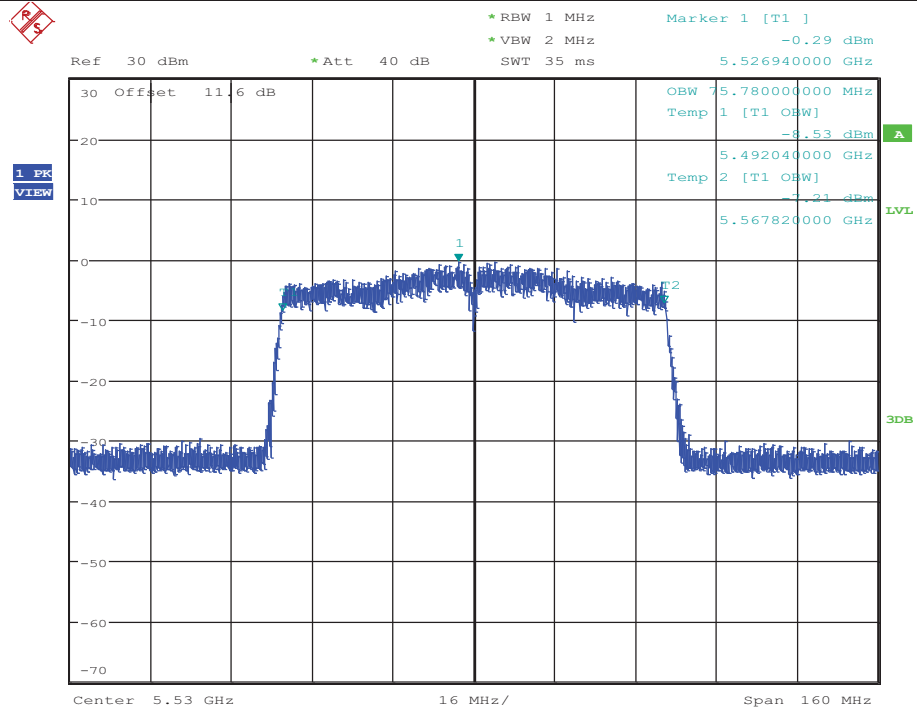
Date: 5.SEP.2017 11:06:11

## Occupied Bandwidth Measurement\_11AC80\_5290\_Ant2



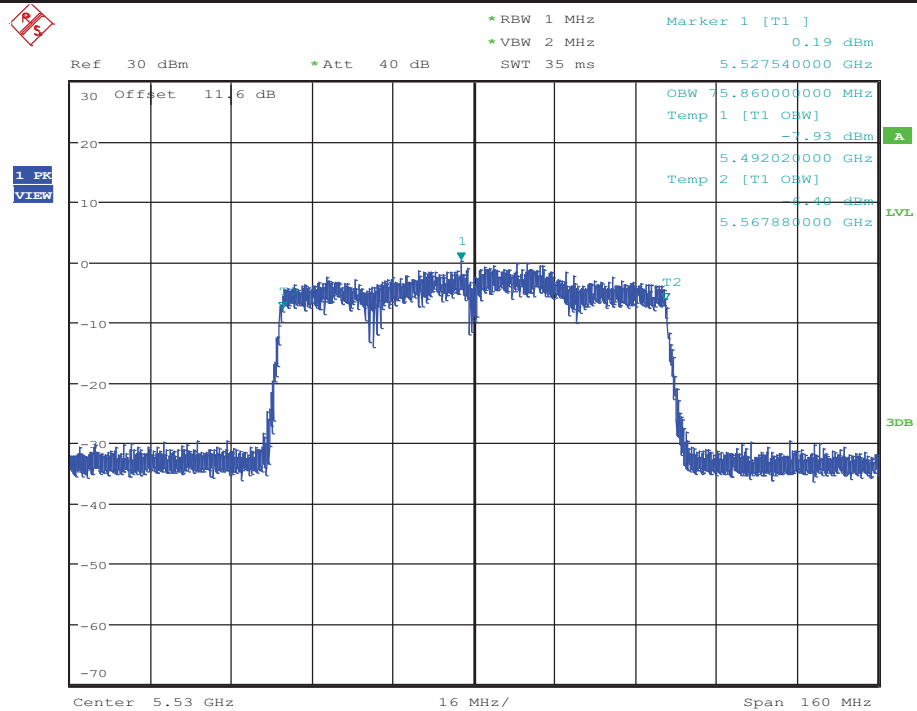
Date: 5.SEP.2017 21:43:21

## Occupied Bandwidth Measurement\_11AC80\_5530\_Ant1



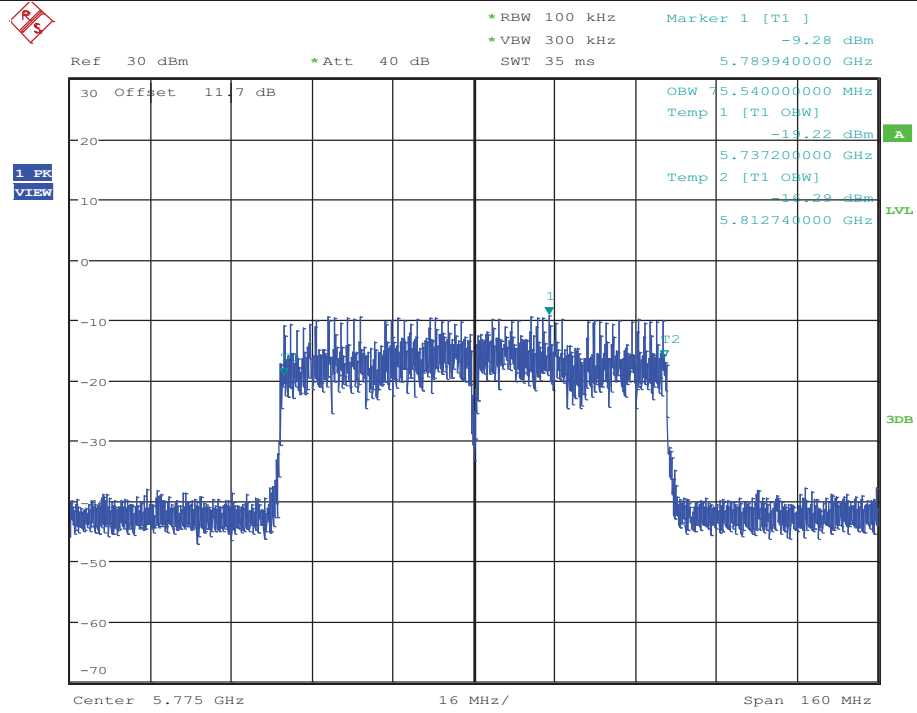
Date: 5.SEP.2017 11:10:38

## Occupied Bandwidth Measurement\_11AC80\_5530\_Ant2



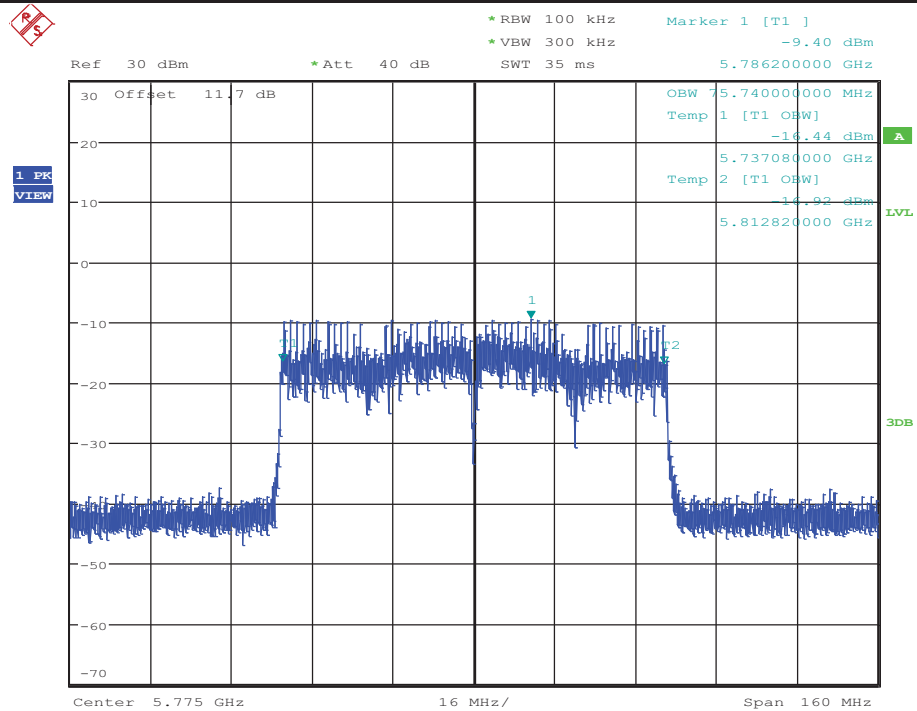
Date: 5.SEP.2017 21:48:50

## Occupied Bandwidth Measurement\_11AC80\_5775\_Ant1



Date: 5.SEP.2017 11:15:05

## Occupied Bandwidth Measurement\_11AC80\_5775\_Ant2



Date: 5.SEP.2017 21:53:19



## 6. Maximum Output Power

### 6.1. Block diagram of test setup

Same as section 4.1

### 6.2. Limits

| FCC Part15, Subpart E/ RSS-247                           |                                                                              |                                                    |
|----------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------|
| Test Item                                                | Limit                                                                        | Frequency Range (MHz)                              |
| Conducted Output Power                                   | For FCC client devices :250mW (24dBm)                                        | 5150-5250                                          |
|                                                          | For RSS:e.i.r.p. power:<br>not exceed 200 mW(23dBm) or $10 + 10 \log_{10} B$ |                                                    |
|                                                          | 250mW (24dBm) or $11 + 10 \log_{10} B$                                       | 5250-5350                                          |
|                                                          | 250mW (24dBm) or $11 + 10 \log_{10} B$                                       | For FCC:5470-5725<br>For IC:5470-5600<br>5650-5725 |
|                                                          | 1 Watt (30dBm)                                                               | 5725-5850                                          |
| Note: For FCC: B=26dB bandwidth, ISSED: B=99% bandwidth. |                                                                              |                                                    |

### 6.3. Test Procedure

- (1) Connect each EUT's antenna output to power sensor by RF cable and attenuator
- (2) Add each antenna port's results to get the total output power of EUT.

### 6.4. Test Result (Average)

(5150-5250)

| Test Mode | Test Channel | Ant  | Level [dBm] | $10\log(1/x)$ Factor [dB] | Output Power [dBm] | EIRP [dBm]   | FCC LIMIT | ISED LIMIT ( $10 + 10 \log_{10} B$ ) |
|-----------|--------------|------|-------------|---------------------------|--------------------|--------------|-----------|--------------------------------------|
| 11A       | 5180         | Ant1 | 13.91       | 2.03                      | 15.94              | 20.74        | 23.98     | 22.17                                |
| 11A       | 5180         | Ant2 | 13.71       | 2.03                      | 15.74              | 20.54        | 23.98     | 22.17                                |
| 11A       | 5200         | Ant1 | 13.54       | 2.03                      | 15.57              | 20.37        | 23.98     | 22.17                                |
| 11A       | 5200         | Ant2 | 13.93       | 2.03                      | 15.96              | <b>20.76</b> | 23.98     | 22.17                                |
| 11A       | 5240         | Ant1 | 13.49       | 2.03                      | 15.52              | 20.32        | 23.98     | 22.17                                |
| 11A       | 5240         | Ant2 | 13          | 2.03                      | 15.03              | 19.83        | 23.98     | 22.17                                |
| 11N20     | 5180         | Ant1 | 13.08       | 2.16                      | 15.24              | 20.04        | 23.98     | 22.17                                |
| 11N20     | 5180         | Ant2 | 13          | 2.16                      | 15.16              | 19.96        | 23.98     | 22.17                                |
| 11N20     | 5200         | Ant1 | 13.05       | 2.16                      | 15.21              | 20.01        | 23.98     | 22.17                                |
| 11N20     | 5200         | Ant2 | 13.36       | 2.16                      | 15.52              | <b>20.32</b> | 23.98     | 22.17                                |
| 11N20     | 5240         | Ant1 | 12.54       | 2.16                      | 14.70              | 19.5         | 23.98     | 22.17                                |
| 11N20     | 5240         | Ant2 | 12.42       | 2.16                      | 14.58              | 19.38        | 23.98     | 22.17                                |

|               |      |      |       |      |       |              |       |       |
|---------------|------|------|-------|------|-------|--------------|-------|-------|
| 11N40         | 5190 | Ant1 | 13.15 | 3.15 | 16.30 | 21.1         | 23.98 | 22.17 |
| 11N40         | 5190 | Ant2 | 13.4  | 3.15 | 16.55 | <b>21.35</b> | 23.98 | 22.17 |
| 11N40         | 5230 | Ant1 | 12.91 | 3.15 | 16.06 | 20.86        | 23.98 | 22.17 |
| 11N40         | 5230 | Ant2 | 12.94 | 3.15 | 16.09 | 20.89        | 23.98 | 22.17 |
| 11AC20        | 5180 | Ant1 | 13.23 | 2.14 | 15.37 | 20.17        | 23.98 | 22.17 |
| 11AC20        | 5180 | Ant2 | 13.19 | 2.12 | 15.31 | 20.11        | 23.98 | 22.17 |
| 11AC20        | 5200 | Ant1 | 13.19 | 2.11 | 15.30 | 20.1         | 23.98 | 22.17 |
| 11AC20        | 5200 | Ant2 | 13.45 | 2.14 | 15.59 | <b>20.39</b> | 23.98 | 22.17 |
| 11AC20        | 5240 | Ant1 | 12.59 | 2.12 | 14.71 | 19.51        | 23.98 | 22.17 |
| 11AC20        | 5240 | Ant2 | 12.58 | 2.11 | 14.69 | 19.49        | 23.98 | 22.17 |
| 11AC40        | 5190 | Ant1 | 10.56 | 3.46 | 14.02 | 18.82        | 23.98 | 22.17 |
| 11AC40        | 5190 | Ant2 | 10.76 | 3.43 | 14.19 | <b>18.99</b> | 23.98 | 22.17 |
| 11AC40        | 5230 | Ant1 | 10.22 | 3.46 | 13.68 | 18.48        | 23.98 | 22.17 |
| 11AC40        | 5230 | Ant2 | 10.43 | 3.46 | 13.89 | 18.69        | 23.98 | 22.17 |
| 11AC80        | 5210 | Ant1 | 9.71  | 4.30 | 14.01 | 18.81        | 23.98 | 22.17 |
| 11AC80        | 5210 | Ant2 | 9.94  | 4.25 | 14.19 | <b>18.99</b> | 23.98 | 22.17 |
| Verdict: PASS |      |      |       |      |       |              |       |       |

**(5250-5350, 5470-5725, 5725-5850)**

| Test Mode | Test Channel | Ant  | Level [dBm] | 10log(1/x) Factor [dB] | Power [dBm]  | Limit [dBm] | Verdict |
|-----------|--------------|------|-------------|------------------------|--------------|-------------|---------|
| 11A       | 5260         | Ant1 | 13.89       | 2.03                   | 15.92        | 23.98       | PASS    |
| 11A       | 5260         | Ant2 | 14.15       | 2.03                   | 16.18        | 23.98       | PASS    |
| 11A       | 5280         | Ant1 | 14.08       | 2.03                   | 16.11        | 23.98       | PASS    |
| 11A       | 5280         | Ant2 | 14.05       | 2.03                   | 16.08        | 23.98       | PASS    |
| 11A       | 5320         | Ant1 | 14.39       | 2.03                   | 16.42        | 23.98       | PASS    |
| 11A       | 5320         | Ant2 | 14.5        | 2.03                   | <b>16.53</b> | 23.98       | PASS    |
| 11A       | 5500         | Ant1 | 12.66       | 2.03                   | 14.69        | 23.98       | PASS    |
| 11A       | 5500         | Ant2 | 12.61       | 2.03                   | 14.64        | 23.98       | PASS    |
| 11A       | 5580         | Ant1 | 12.69       | 2.03                   | <b>14.72</b> | 23.98       | PASS    |
| 11A       | 5580         | Ant2 | 12.65       | 2.05                   | 14.70        | 23.98       | PASS    |
| 11A       | 5700         | Ant1 | 12.18       | 2.03                   | <b>14.21</b> | 23.98       | PASS    |
| 11A       | 5700         | Ant2 | 11.19       | 2.05                   | 13.24        | 23.98       | PASS    |
| 11A       | 5745         | Ant1 | 12.71       | 2.03                   | <b>14.74</b> | 30.00       | PASS    |
| 11A       | 5745         | Ant2 | 12.64       | 2.03                   | 14.67        | 30.00       | PASS    |
| 11A       | 5785         | Ant1 | 12.47       | 2.06                   | 14.53        | 30.00       | PASS    |
| 11A       | 5785         | Ant2 | 12.35       | 2.05                   | 14.40        | 30.00       | PASS    |
| 11A       | 5825         | Ant1 | 12.47       | 2.03                   | 14.50        | 30.00       | PASS    |
| 11A       | 5825         | Ant2 | 12.67       | 2.05                   | 14.72        | 30.00       | PASS    |
| 11N20     | 5260         | Ant1 | 9.49        | 2.18                   | 11.67        | 23.98       | PASS    |

|        |      |      |       |      |              |       |      |
|--------|------|------|-------|------|--------------|-------|------|
| 11N20  | 5260 | Ant2 | 9.33  | 2.14 | 11.47        | 23.98 | PASS |
| 11N20  | 5280 | Ant1 | 9.47  | 2.16 | 11.63        | 23.98 | PASS |
| 11N20  | 5280 | Ant2 | 9.51  | 2.14 | 11.65        | 23.98 | PASS |
| 11N20  | 5320 | Ant1 | 9.72  | 2.18 | 11.90        | 23.98 | PASS |
| 11N20  | 5320 | Ant2 | 10.07 | 2.16 | <b>12.23</b> | 23.98 | PASS |
| 11N20  | 5500 | Ant1 | 10.97 | 2.18 | 13.15        | 23.98 | PASS |
| 11N20  | 5500 | Ant2 | 11.16 | 2.16 | 13.32        | 23.98 | PASS |
| 11N20  | 5580 | Ant1 | 11.44 | 2.16 | 13.60        | 23.98 | PASS |
| 11N20  | 5580 | Ant2 | 11.56 | 2.16 | <b>13.72</b> | 23.98 | PASS |
| 11N20  | 5700 | Ant1 | 10.91 | 2.14 | <b>13.05</b> | 23.98 | PASS |
| 11N20  | 5700 | Ant2 | 10.36 | 2.16 | 12.52        | 23.98 | PASS |
| 11N20  | 5745 | Ant1 | 11.47 | 2.16 | <b>13.63</b> | 30.00 | PASS |
| 11N20  | 5745 | Ant2 | 11.4  | 2.16 | 13.56        | 30.00 | PASS |
| 11N20  | 5785 | Ant1 | 11.15 | 2.16 | 13.31        | 30.00 | PASS |
| 11N20  | 5785 | Ant2 | 11.02 | 2.16 | 13.18        | 30.00 | PASS |
| 11N20  | 5825 | Ant1 | 11.01 | 2.16 | 13.17        | 30.00 | PASS |
| 11N20  | 5825 | Ant2 | 11.2  | 2.16 | 13.36        | 30.00 | PASS |
| 11N40  | 5270 | Ant1 | 11.83 | 3.15 | 14.98        | 23.98 | PASS |
| 11N40  | 5270 | Ant2 | 11.71 | 3.18 | 14.89        | 23.98 | PASS |
| 11N40  | 5310 | Ant1 | 12.04 | 3.15 | 15.19        | 23.98 | PASS |
| 11N40  | 5310 | Ant2 | 12.12 | 3.15 | <b>15.27</b> | 23.98 | PASS |
| 11N40  | 5510 | Ant1 | 10.91 | 3.15 | 14.06        | 23.98 | PASS |
| 11N40  | 5510 | Ant2 | 10.81 | 3.15 | 13.96        | 23.98 | PASS |
| 11N40  | 5550 | Ant1 | 11.31 | 3.15 | 14.46        | 23.98 | PASS |
| 11N40  | 5550 | Ant2 | 11.52 | 3.15 | <b>13.72</b> | 23.98 | PASS |
| 11N40  | 5670 | Ant1 | 11.47 | 3.15 | 14.62        | 23.98 | PASS |
| 11N40  | 5670 | Ant2 | 11.6  | 3.15 | <b>14.75</b> | 23.98 | PASS |
| 11N40  | 5755 | Ant1 | 11.45 | 3.15 | 14.60        | 30.00 | PASS |
| 11N40  | 5755 | Ant2 | 11.31 | 3.15 | 14.46        | 30.00 | PASS |
| 11N40  | 5795 | Ant1 | 11.71 | 3.15 | <b>14.86</b> | 30.00 | PASS |
| 11N40  | 5795 | Ant2 | 11.38 | 3.15 | 14.53        | 30.00 | PASS |
| 11AC20 | 5260 | Ant1 | 9.74  | 2.12 | 11.86        | 23.98 | PASS |
| 11AC20 | 5260 | Ant2 | 9.4   | 2.11 | 11.51        | 23.98 | PASS |
| 11AC20 | 5280 | Ant1 | 9.82  | 2.14 | 11.96        | 23.98 | PASS |
| 11AC20 | 5280 | Ant2 | 9.55  | 2.12 | 11.67        | 23.98 | PASS |
| 11AC20 | 5320 | Ant1 | 10    | 2.12 | 12.12        | 23.98 | PASS |
| 11AC20 | 5320 | Ant2 | 10.07 | 2.12 | <b>12.19</b> | 23.98 | PASS |
| 11AC20 | 5500 | Ant1 | 11.11 | 2.11 | 13.22        | 23.98 | PASS |
| 11AC20 | 5500 | Ant2 | 11.18 | 2.12 | 13.30        | 23.98 | PASS |
| 11AC20 | 5580 | Ant1 | 11.25 | 2.11 | 13.36        | 23.98 | PASS |

|        |      |      |       |      |              |       |      |
|--------|------|------|-------|------|--------------|-------|------|
| 11AC20 | 5580 | Ant2 | 11.59 | 2.12 | <b>13.71</b> | 23.98 | PASS |
| 11AC20 | 5700 | Ant1 | 10.94 | 2.12 | <b>13.06</b> | 23.98 | PASS |
| 11AC20 | 5700 | Ant2 | 10.25 | 2.12 | 12.37        | 23.98 | PASS |
| 11AC20 | 5745 | Ant1 | 11.22 | 2.12 | 13.34        | 30.00 | PASS |
| 11AC20 | 5745 | Ant2 | 11.36 | 2.11 | 13.47        | 30.00 | PASS |
| 11AC20 | 5785 | Ant1 | 11.15 | 2.12 | 13.27        | 30.00 | PASS |
| 11AC20 | 5785 | Ant2 | 11.06 | 2.11 | 13.17        | 30.00 | PASS |
| 11AC20 | 5825 | Ant1 | 11.17 | 2.12 | 13.29        | 30.00 | PASS |
| 11AC20 | 5825 | Ant2 | 11.41 | 2.11 | <b>13.52</b> | 30.00 | PASS |
| 11AC40 | 5270 | Ant1 | 9.5   | 3.46 | 12.96        | 23.98 | PASS |
| 11AC40 | 5270 | Ant2 | 9.43  | 3.43 | 12.86        | 23.98 | PASS |
| 11AC40 | 5310 | Ant1 | 9.81  | 3.46 | 13.27        | 23.98 | PASS |
| 11AC40 | 5310 | Ant2 | 10.12 | 3.43 | <b>13.55</b> | 23.98 | PASS |
| 11AC40 | 5510 | Ant1 | 8.02  | 3.43 | 11.45        | 23.98 | PASS |
| 11AC40 | 5510 | Ant2 | 7.98  | 3.43 | 11.41        | 23.98 | PASS |
| 11AC40 | 5550 | Ant1 | 8.41  | 3.43 | 11.84        | 23.98 | PASS |
| 11AC40 | 5550 | Ant2 | 8.86  | 3.46 | <b>12.32</b> | 23.98 | PASS |
| 11AC40 | 5670 | Ant1 | 8.29  | 3.46 | 11.75        | 23.98 | PASS |
| 11AC40 | 5670 | Ant2 | 8.44  | 3.46 | <b>11.90</b> | 23.98 | PASS |
| 11AC40 | 5755 | Ant1 | 8.96  | 3.46 | <b>12.42</b> | 30.00 | PASS |
| 11AC40 | 5755 | Ant2 | 8.6   | 3.46 | 12.06        | 30.00 | PASS |
| 11AC40 | 5795 | Ant1 | 8.87  | 3.46 | 12.33        | 30.00 | PASS |
| 11AC40 | 5795 | Ant2 | 8.7   | 3.46 | 12.16        | 30.00 | PASS |
| 11AC80 | 5290 | Ant1 | 9.67  | 4.30 | <b>13.97</b> | 23.98 | PASS |
| 11AC80 | 5290 | Ant2 | 9.6   | 4.30 | 13.90        | 23.98 | PASS |
| 11AC80 | 5530 | Ant1 | 8.13  | 4.30 | <b>12.43</b> | 23.98 | PASS |
| 11AC80 | 5530 | Ant2 | 8.17  | 4.25 | 12.42        | 23.98 | PASS |
| 11AC80 | 5775 | Ant1 | 8.52  | 4.30 | <b>12.82</b> | 30.00 | PASS |
| 11AC80 | 5775 | Ant2 | 8.47  | 4.30 | 12.77        | 30.00 | PASS |

## 7. Power Spectral Density

### 7.1. Block diagram of test setup

Same with 4.1

### 7.2. Limits

| FCC Part15, Subpart E/ RSS-247 |                                                                                    |                                                    |
|--------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------|
| Test Item                      | Limit                                                                              | Frequency Range (MHz)                              |
| Power Spectral Density         | For FCC: Other then Mobile and portable:17dBm/MHz<br>Mobile and portable:11dBm/MHz | 5150-5250                                          |
|                                | For RSS eirp:10dBm/MHz                                                             |                                                    |
|                                | 11dBm/MHz                                                                          | 5250-5350                                          |
|                                | 11dBm/MHz                                                                          | For FCC:5470-5725<br>For IC:5470-5600<br>5650-5725 |
|                                | 30dBm/500kHz                                                                       | 5725-5850                                          |

### 7.3. Test Procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyser and use the following settings:

5150MHz~5250MHz,5250MHz~5350MHz,5470MHz~5725MHz

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Center Frequency | The centre frequency of the channel under test               |
| Detector         | RMS                                                          |
| RBW              | 1MHz                                                         |
| VBW              | $\geq 3 \times \text{RBW}$                                   |
| Span             | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace            | Max hold                                                     |
| Sweep time       | Auto                                                         |

5725MHz-5850MHz

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Center Frequency | The centre frequency of the channel under test               |
| Detector         | RMS                                                          |
| RBW              | 500KHz                                                       |
| VBW              | $\geq 3 \times \text{RBW}$                                   |
| Span             | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace            | Max hold                                                     |
| Sweep time       | Auto                                                         |

Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.

2. The value measured with RBW=1MHz is to be added with  $10\log(500\text{kHz}/1\text{MHz})$  which is - 3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

## 7.4. Test Result

(5150-5250)

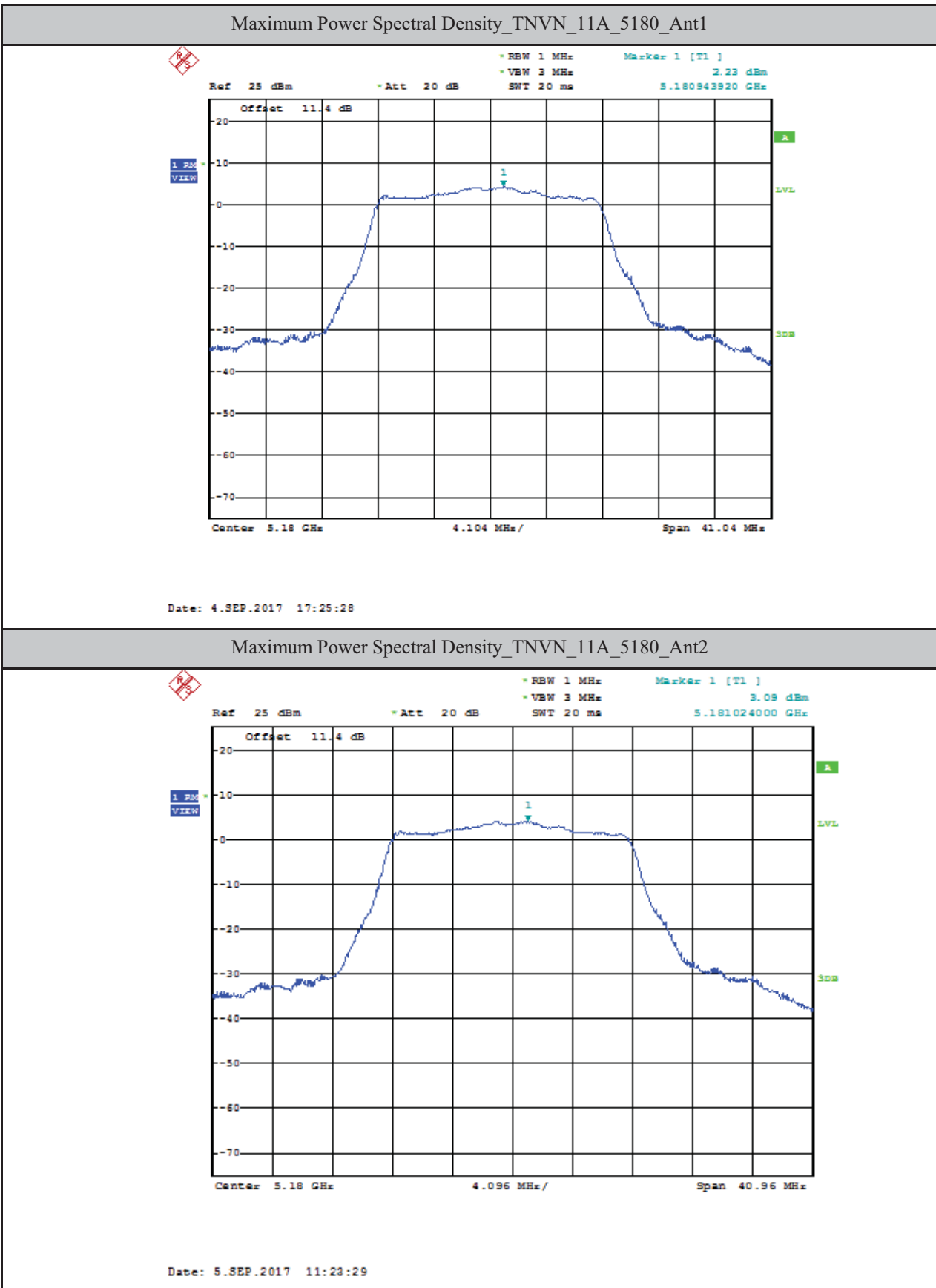
| Test Mode | Test Channel | Ant  | Level [dBm/MHz] | $10\log(1/x)$ Factor [dB] | PSD [dBm/MHz] | PSD eirp [dBm/MHz] | FCC Limit [dBm/MHz] | ISED Limit [dBm/MHz] |
|-----------|--------------|------|-----------------|---------------------------|---------------|--------------------|---------------------|----------------------|
| 11A       | 5180         | Ant1 | 2.23            | 2.03                      | 4.26          | 9.06               | 11.00               | 10.00                |
| 11A       | 5180         | Ant2 | 1.09            | 2.03                      | 5.12          | 9.92               | 11.00               | 10.00                |
| 11A       | 5200         | Ant1 | 2.86            | 2.03                      | 4.89          | 9.69               | 11.00               | 10.00                |
| 11A       | 5200         | Ant2 | 2.23            | 2.03                      | 4.26          | 9.06               | 11.00               | 10.00                |
| 11A       | 5240         | Ant1 | 2.86            | 2.03                      | 4.89          | 9.69               | 11.00               | 10.00                |
| 11A       | 5240         | Ant2 | 2.29            | 2.03                      | 4.32          | 9.12               | 11.00               | 10.00                |
| 11N20     | 5180         | Ant1 | 2.14            | 2.16                      | 4.30          | 9.10               | 11.00               | 10.00                |
| 11N20     | 5180         | Ant2 | 2.26            | 2.16                      | 4.42          | 9.22               | 11.00               | 10.00                |
| 11N20     | 5200         | Ant1 | 2.57            | 2.16                      | 4.73          | 9.53               | 11.00               | 10.00                |
| 11N20     | 5200         | Ant2 | 2.50            | 2.16                      | 4.66          | 9.46               | 11.00               | 10.00                |
| 11N20     | 5240         | Ant1 | 2.62            | 2.16                      | 4.78          | 9.58               | 11.00               | 10.00                |
| 11N20     | 5240         | Ant2 | 2.85            | 2.16                      | 5.01          | 9.81               | 11.00               | 10.00                |
| 11N40     | 5190         | Ant1 | 0.52            | 3.15                      | 3.67          | 8.47               | 11.00               | 10.00                |
| 11N40     | 5190         | Ant2 | 0.98            | 3.15                      | 4.13          | 8.93               | 11.00               | 10.00                |
| 11N40     | 5230         | Ant1 | 0.23            | 3.15                      | 3.38          | 8.18               | 11.00               | 10.00                |
| 11N40     | 5230         | Ant2 | -0.09           | 3.15                      | 3.06          | 7.86               | 11.00               | 10.00                |
| 11AC20    | 5180         | Ant1 | 2.73            | 2.14                      | 4.87          | 9.67               | 11.00               | 10.00                |
| 11AC20    | 5180         | Ant2 | 2.60            | 2.12                      | 4.72          | 9.52               | 11.00               | 10.00                |
| 11AC20    | 5200         | Ant1 | 2.36            | 2.11                      | 4.47          | 9.27               | 11.00               | 10.00                |
| 11AC20    | 5200         | Ant2 | 2.92            | 2.14                      | 5.06          | 9.86               | 11.00               | 10.00                |
| 11AC20    | 5240         | Ant1 | 2.93            | 2.12                      | 5.05          | 9.85               | 11.00               | 10.00                |
| 11AC20    | 5240         | Ant2 | 2.91            | 2.11                      | 5.02          | 9.82               | 11.00               | 10.00                |
| 11AC40    | 5190         | Ant1 | -2.03           | 3.46                      | 1.43          | 6.23               | 11.00               | 10.00                |
| 11AC40    | 5190         | Ant2 | -1.60           | 3.43                      | 1.83          | 6.63               | 11.00               | 10.00                |
| 11AC40    | 5230         | Ant1 | -2.71           | 3.46                      | 0.75          | 5.55               | 11.00               | 10.00                |
| 11AC40    | 5230         | Ant2 | -2.63           | 3.46                      | 0.83          | 5.63               | 11.00               | 10.00                |
| 11AC80    | 5210         | Ant1 | -5.62           | 4.30                      | -1.32         | 3.48               | 11.00               | 10.00                |
| 11AC80    | 5210         | Ant2 | -5.80           | 4.25                      | -1.55         | 3.25               | 11.00               | 10.00                |

**(5250-5350, 5470-5725, 5725-5850)**

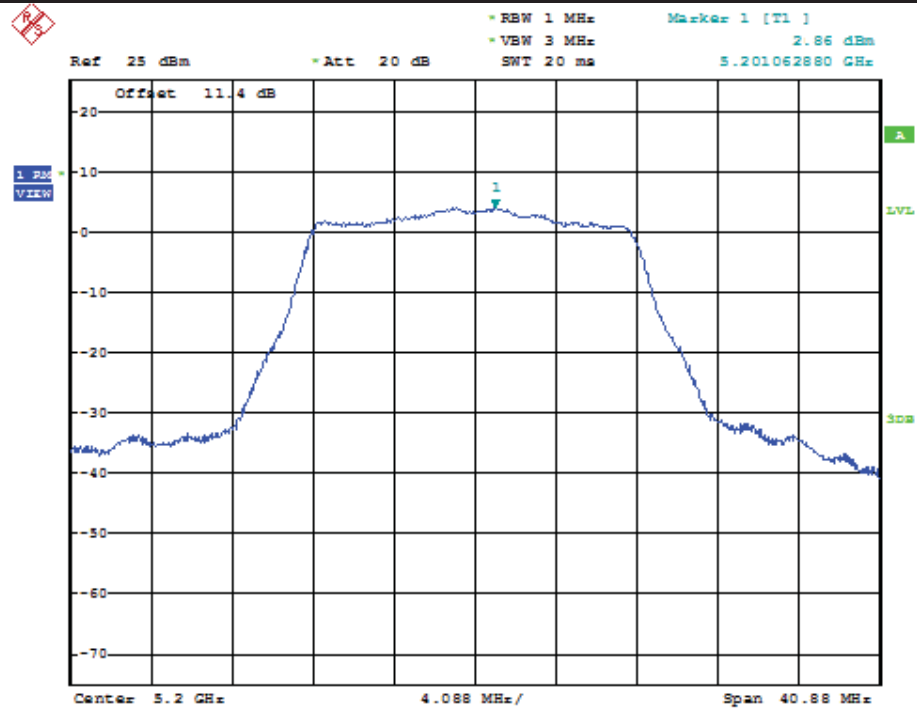
| Test Mode | Test Channel | Ant  | Level [dBm/MHz] | 10log(1/x) Factor [dB] | PSD [dBm/MHz] | Limit [dBm/MHz] | Verdict |
|-----------|--------------|------|-----------------|------------------------|---------------|-----------------|---------|
| 11A       | 5260         | Ant1 | 4.17            | 2.03                   | 6.20          | 11.00           | PASS    |
| 11A       | 5260         | Ant2 | 4.48            | 2.03                   | 6.51          | 11.00           | PASS    |
| 11A       | 5280         | Ant1 | 4.39            | 2.03                   | 6.42          | 11.00           | PASS    |
| 11A       | 5280         | Ant2 | 4.31            | 2.03                   | 6.34          | 11.00           | PASS    |
| 11A       | 5320         | Ant1 | 4.63            | 2.03                   | 6.66          | 11.00           | PASS    |
| 11A       | 5320         | Ant2 | 4.77            | 2.03                   | 6.80          | 11.00           | PASS    |
| 11A       | 5500         | Ant1 | 2.88            | 2.03                   | 4.91          | 11.00           | PASS    |
| 11A       | 5500         | Ant2 | 2.94            | 2.03                   | 4.97          | 11.00           | PASS    |
| 11A       | 5580         | Ant1 | 3.06            | 2.03                   | 5.09          | 11.00           | PASS    |
| 11A       | 5580         | Ant2 | 3.01            | 2.05                   | 5.06          | 11.00           | PASS    |
| 11A       | 5700         | Ant1 | 2.62            | 2.03                   | 4.65          | 11.00           | PASS    |
| 11A       | 5700         | Ant2 | 1.34            | 2.05                   | 3.39          | 11.00           | PASS    |
| 11N20     | 5260         | Ant1 | 0.27            | 2.18                   | 2.45          | 11.00           | PASS    |
| 11N20     | 5280         | Ant1 | -0.07           | 2.16                   | 2.09          | 11.00           | PASS    |
| 11N20     | 5280         | Ant2 | -0.06           | 2.14                   | 2.08          | 11.00           | PASS    |
| 11N20     | 5320         | Ant1 | -0.05           | 2.18                   | 2.13          | 11.00           | PASS    |
| 11N20     | 5320         | Ant2 | 0.63            | 2.16                   | 2.79          | 11.00           | PASS    |
| 11N20     | 5500         | Ant1 | 1.50            | 2.18                   | 3.68          | 11.00           | PASS    |
| 11N20     | 5500         | Ant2 | 1.56            | 2.16                   | 3.72          | 11.00           | PASS    |
| 11N20     | 5580         | Ant1 | 1.73            | 2.16                   | 3.89          | 11.00           | PASS    |
| 11N20     | 5580         | Ant2 | 1.97            | 2.16                   | 4.13          | 11.00           | PASS    |
| 11N20     | 5700         | Ant1 | 1.51            | 2.14                   | 3.65          | 11.00           | PASS    |
| 11N20     | 5700         | Ant2 | 0.41            | 2.16                   | 2.57          | 11.00           | PASS    |
| 11N40     | 5270         | Ant1 | -0.50           | 3.15                   | 2.65          | 11.00           | PASS    |
| 11N40     | 5270         | Ant2 | -0.94           | 3.18                   | 2.24          | 11.00           | PASS    |
| 11N40     | 5310         | Ant1 | -0.68           | 3.15                   | 2.47          | 11.00           | PASS    |
| 11N40     | 5310         | Ant2 | -0.37           | 3.15                   | 2.78          | 11.00           | PASS    |
| 11N40     | 5510         | Ant1 | -1.74           | 3.15                   | 1.41          | 11.00           | PASS    |
| 11N40     | 5510         | Ant2 | -2.03           | 3.15                   | 1.12          | 11.00           | PASS    |
| 11N40     | 5550         | Ant1 | -1.25           | 3.15                   | 1.90          | 11.00           | PASS    |
| 11N40     | 5550         | Ant2 | -0.92           | 3.15                   | 2.23          | 11.00           | PASS    |
| 11N40     | 5670         | Ant1 | -0.99           | 3.15                   | 2.16          | 11.00           | PASS    |
| 11N40     | 5670         | Ant2 | -0.71           | 3.15                   | 2.44          | 11.00           | PASS    |
| 11AC20    | 5260         | Ant1 | -0.12           | 2.12                   | 2.00          | 11.00           | PASS    |
| 11AC20    | 5260         | Ant2 | -0.19           | 2.11                   | 1.92          | 11.00           | PASS    |
| 11AC20    | 5280         | Ant1 | 0.38            | 2.14                   | 2.52          | 11.00           | PASS    |

|        |      |      |       |      |       |       |      |
|--------|------|------|-------|------|-------|-------|------|
| 11AC20 | 5280 | Ant2 | 0.12  | 2.12 | 2.24  | 11.00 | PASS |
| 11AC20 | 5320 | Ant1 | 0.11  | 2.12 | 2.23  | 11.00 | PASS |
| 11AC20 | 5320 | Ant2 | 0.36  | 2.12 | 2.48  | 11.00 | PASS |
| 11AC20 | 5500 | Ant1 | 1.19  | 2.11 | 3.30  | 11.00 | PASS |
| 11AC20 | 5500 | Ant2 | 1.88  | 2.12 | 4.00  | 11.00 | PASS |
| 11AC20 | 5580 | Ant1 | 1.61  | 2.11 | 3.72  | 11.00 | PASS |
| 11AC20 | 5580 | Ant2 | 1.81  | 2.12 | 3.93  | 11.00 | PASS |
| 11AC20 | 5700 | Ant1 | 1.77  | 2.12 | 3.89  | 11.00 | PASS |
| 11AC20 | 5700 | Ant2 | 0.60  | 2.12 | 2.72  | 11.00 | PASS |
| 11AC40 | 5270 | Ant1 | -3.14 | 3.46 | 0.32  | 11.00 | PASS |
| 11AC40 | 5270 | Ant2 | -3.33 | 3.43 | 0.10  | 11.00 | PASS |
| 11AC40 | 5310 | Ant1 | -2.74 | 3.46 | 0.72  | 11.00 | PASS |
| 11AC40 | 5310 | Ant2 | -2.94 | 3.43 | 0.49  | 11.00 | PASS |
| 11AC40 | 5510 | Ant1 | -4.47 | 3.43 | -1.04 | 11.00 | PASS |
| 11AC40 | 5510 | Ant2 | -4.30 | 3.43 | -0.87 | 11.00 | PASS |
| 11AC40 | 5550 | Ant1 | -3.94 | 3.43 | -0.51 | 11.00 | PASS |
| 11AC40 | 5550 | Ant2 | -3.87 | 3.46 | -0.41 | 11.00 | PASS |
| 11AC40 | 5670 | Ant1 | -4.28 | 3.46 | -0.82 | 11.00 | PASS |
| 11AC40 | 5670 | Ant2 | -3.89 | 3.46 | -0.43 | 11.00 | PASS |
| 11AC80 | 5290 | Ant1 | -5.84 | 4.30 | -1.54 | 11.00 | PASS |
| 11AC80 | 5290 | Ant2 | -6.42 | 4.30 | -2.12 | 11.00 | PASS |
| 11AC80 | 5530 | Ant1 | -7.78 | 4.30 | -3.48 | 11.00 | PASS |
| 11AC80 | 5530 | Ant2 | -8.04 | 4.25 | -3.79 | 11.00 | PASS |

## 7.5. Original test data

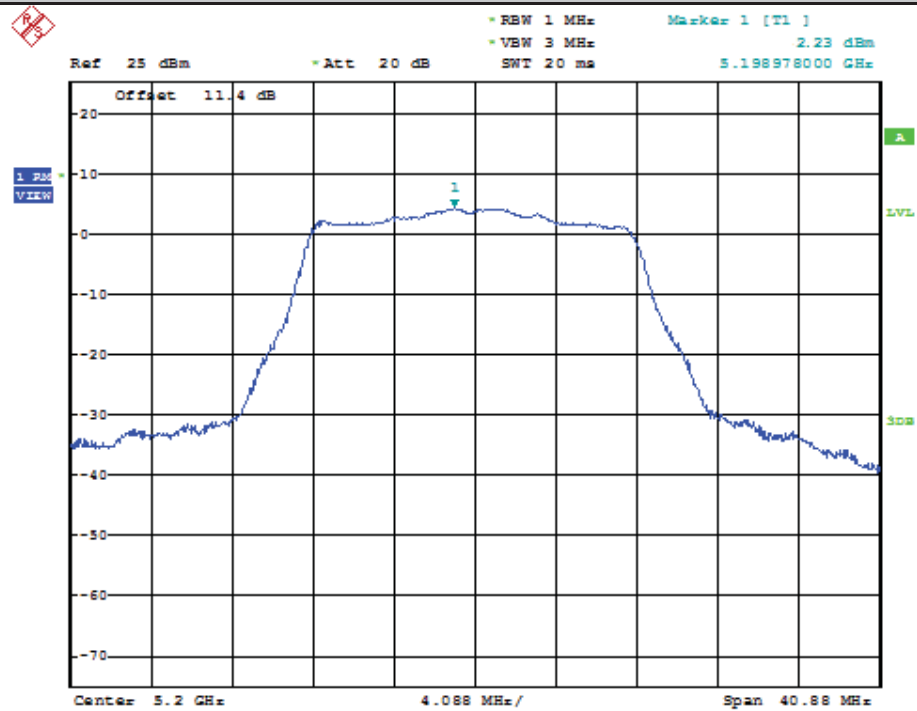


## Maximum Power Spectral Density\_TNVN\_11A\_5200\_Ant1



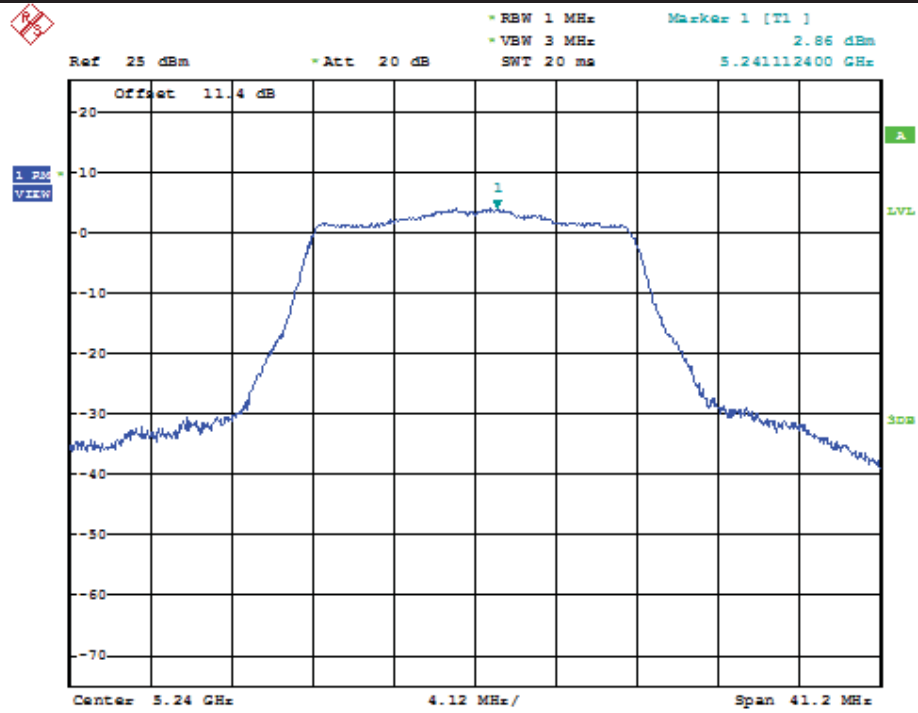
Date: 4.SEP.2017 17:36:06

## Maximum Power Spectral Density\_TNVN\_11A\_5200\_Ant2



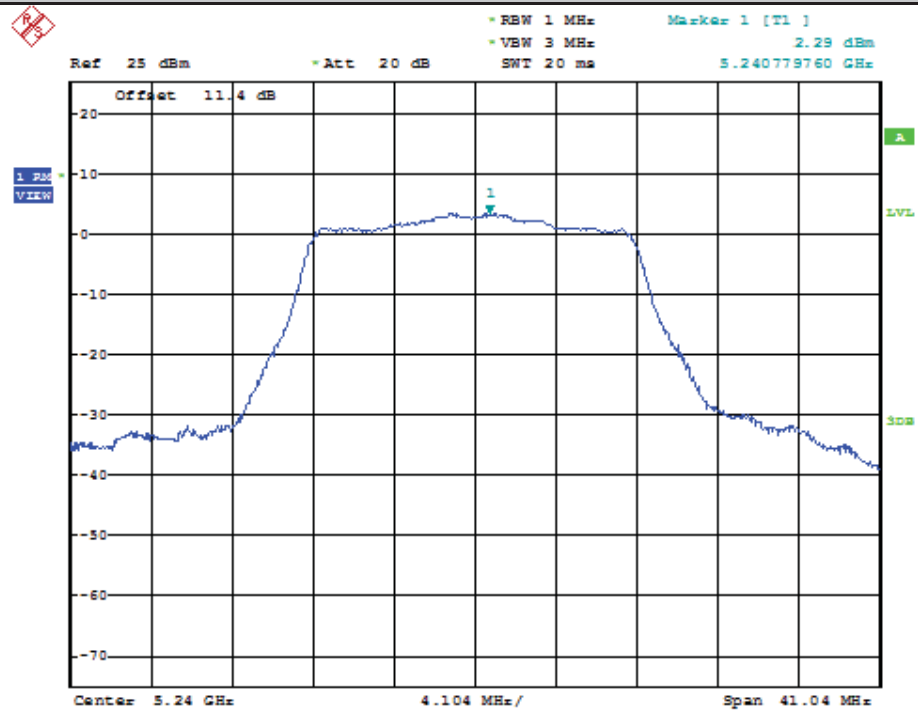
Date: 5.SEP.2017 11:28:50

## Maximum Power Spectral Density\_TNVN\_11A\_5240\_Ant1



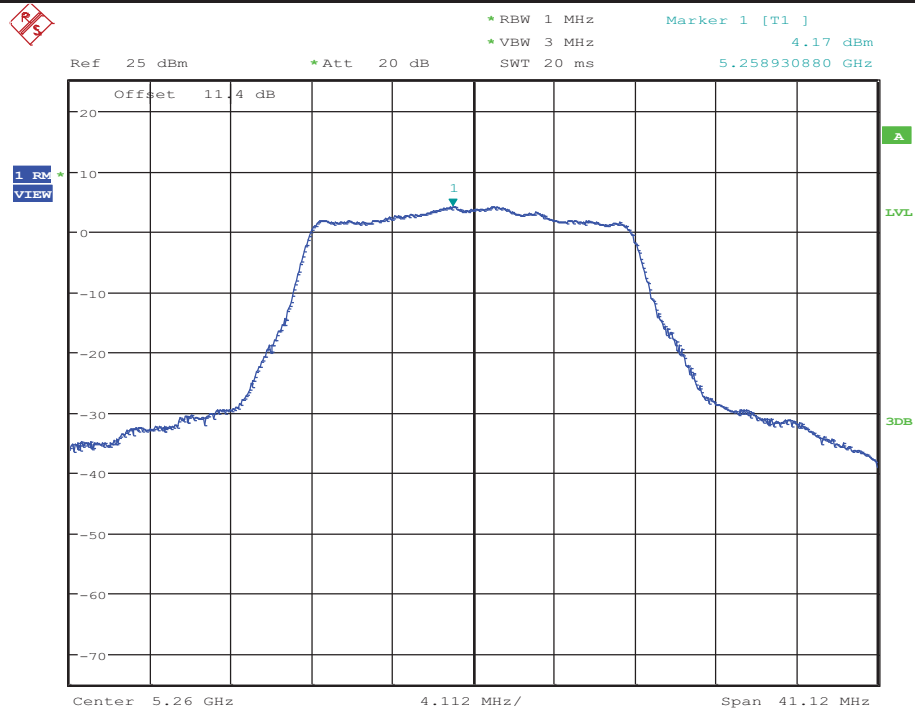
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## Maximum Power Spectral Density\_TNVN\_11A\_5240\_Ant2



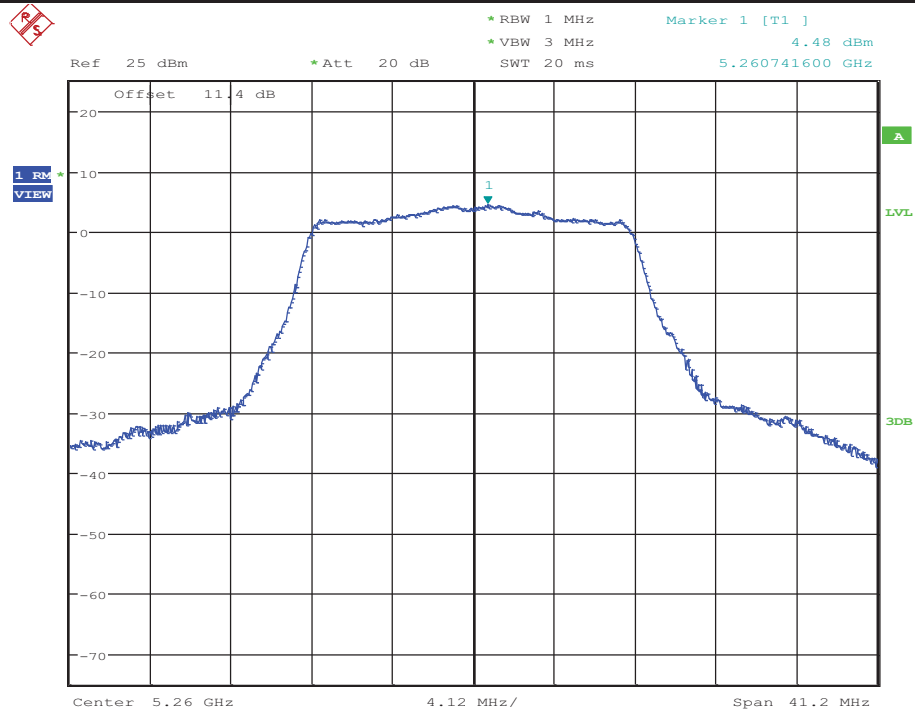
Date: 5.SEP.2017 11:33:57

## Maximum Power Spectral Density\_TNVN\_11A\_5260\_Ant1



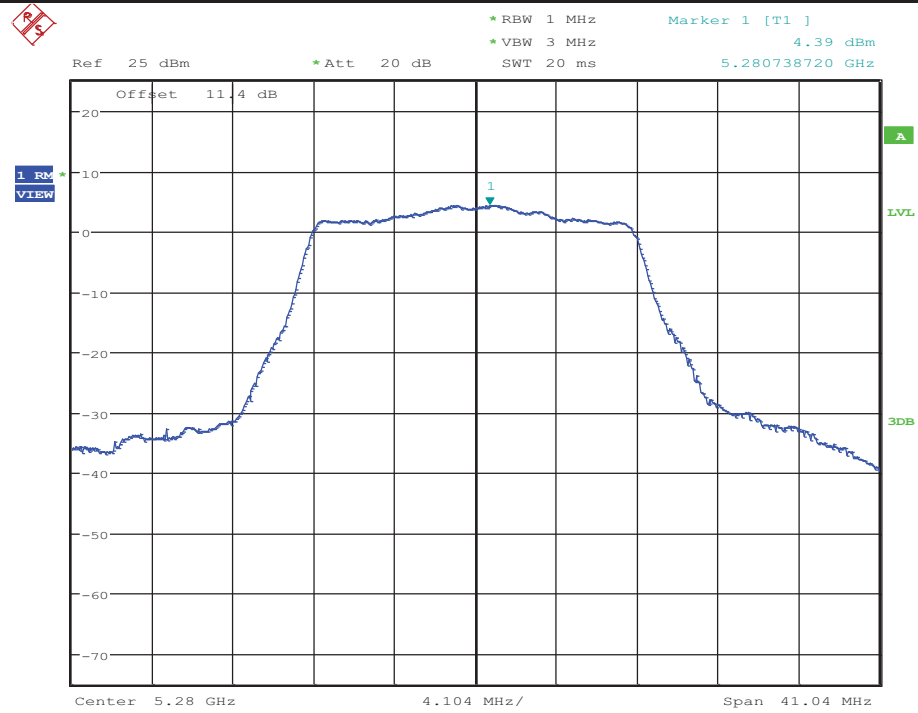
Date: 4.SEP.2017 18:10:05

## Maximum Power Spectral Density\_TNVN\_11A\_5260\_Ant2



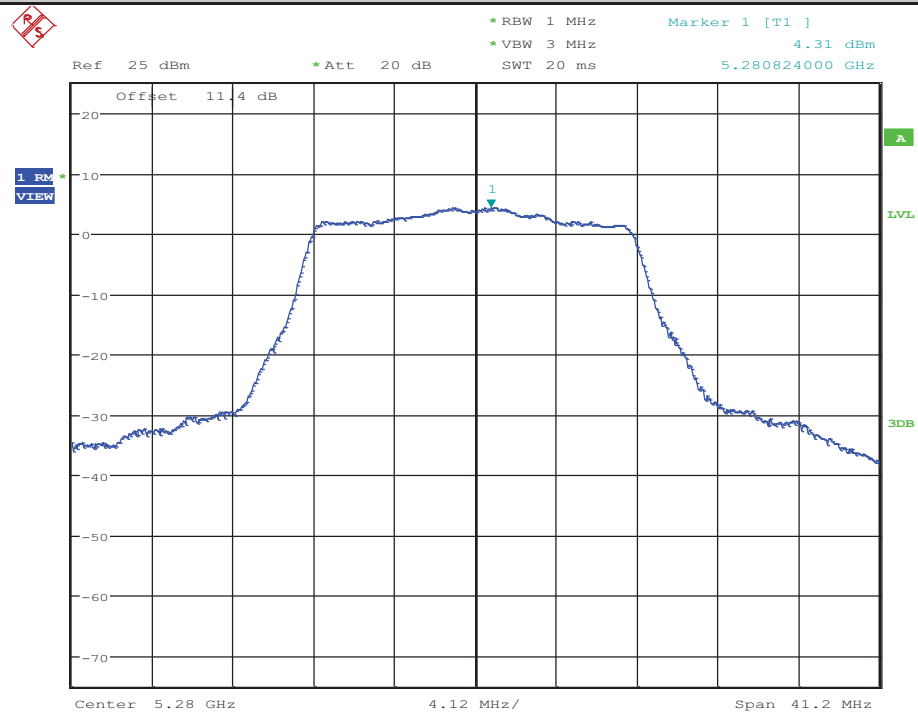
Date: 5.SEP.2017 11:39:04

## Maximum Power Spectral Density\_TNVN\_11A\_5280\_Ant1



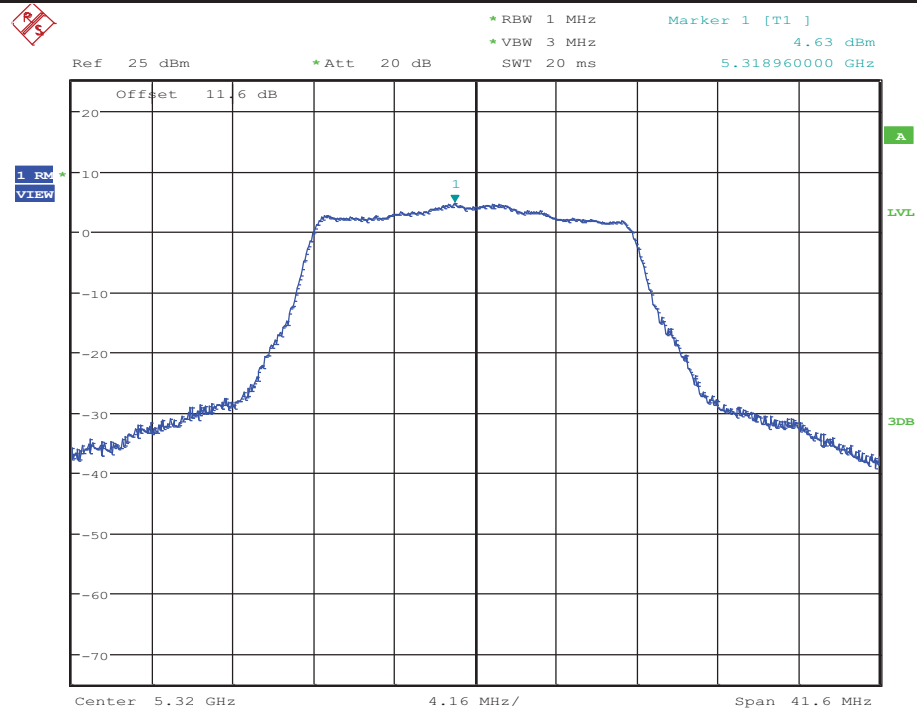
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## Maximum Power Spectral Density\_TNVN\_11A\_5280\_Ant2



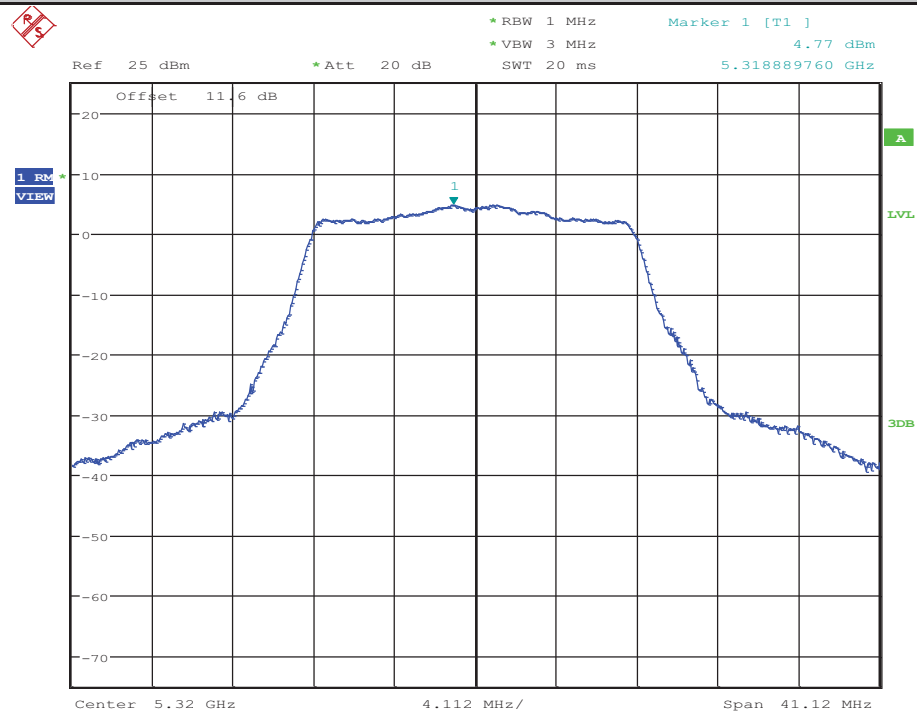
Date: 5.SEP.2017 11:44:13

## Maximum Power Spectral Density\_TNVN\_11A\_5320\_Ant1



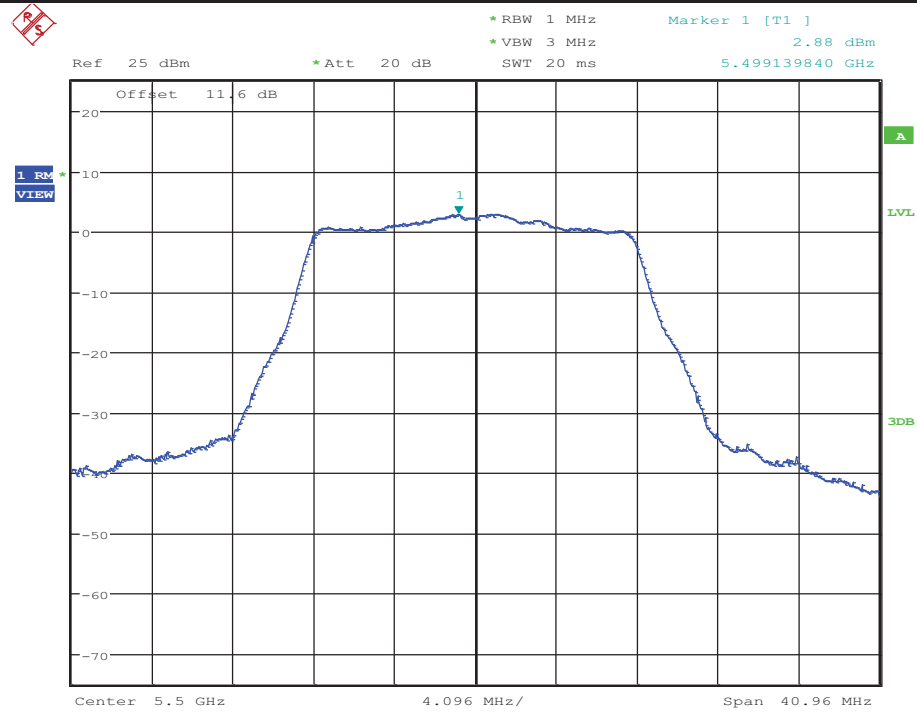
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## Maximum Power Spectral Density\_TNVN\_11A\_5320\_Ant2



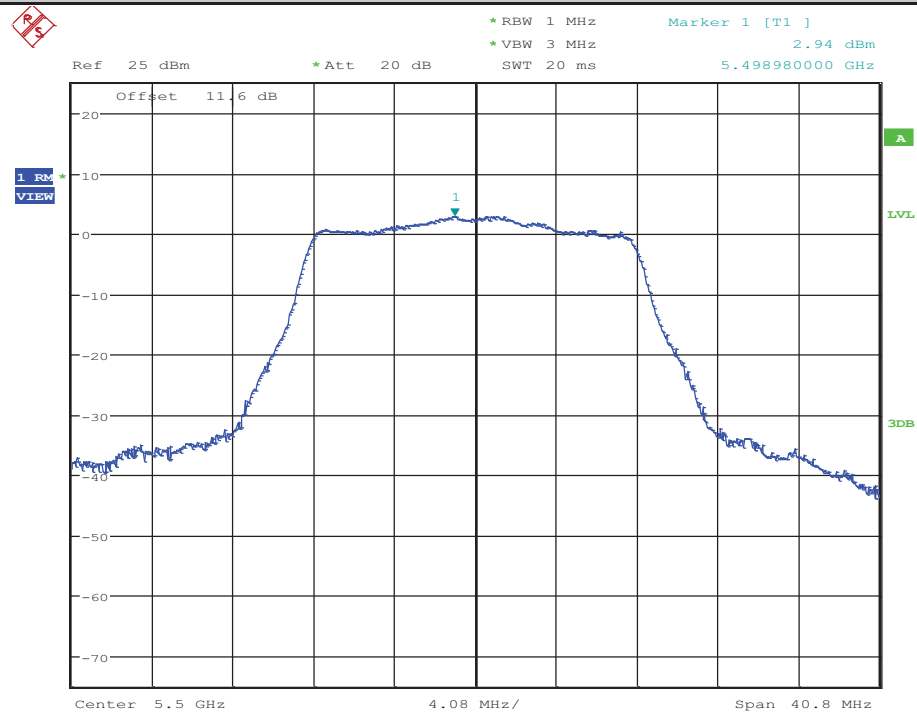
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## Maximum Power Spectral Density\_TNVN\_11A\_5500\_Ant1



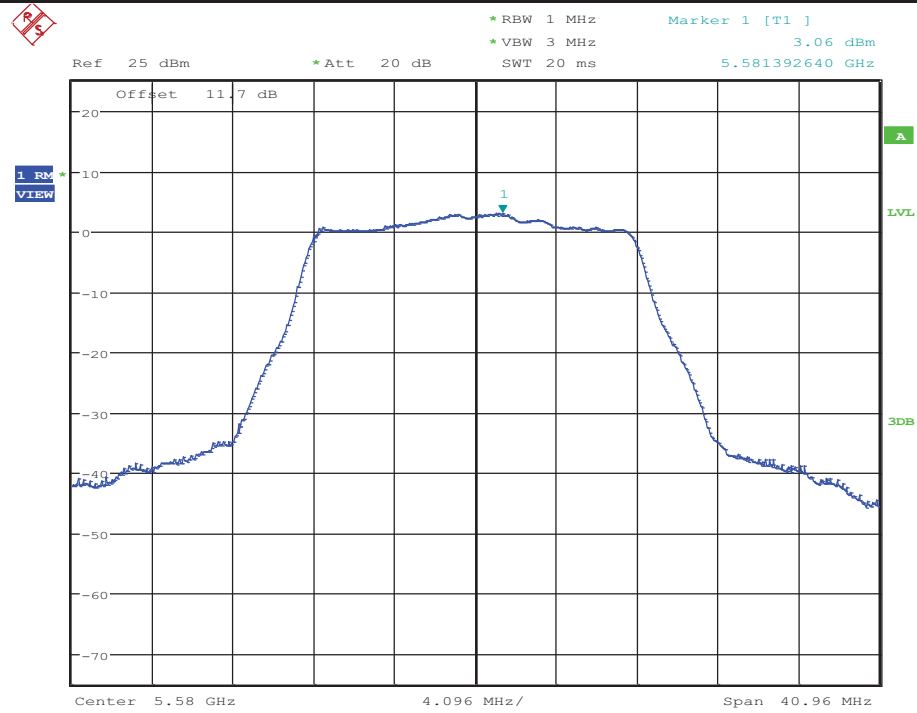
Date: 4.SEP.2017 18:37:56

## Maximum Power Spectral Density\_TNVN\_11A\_5500\_Ant2



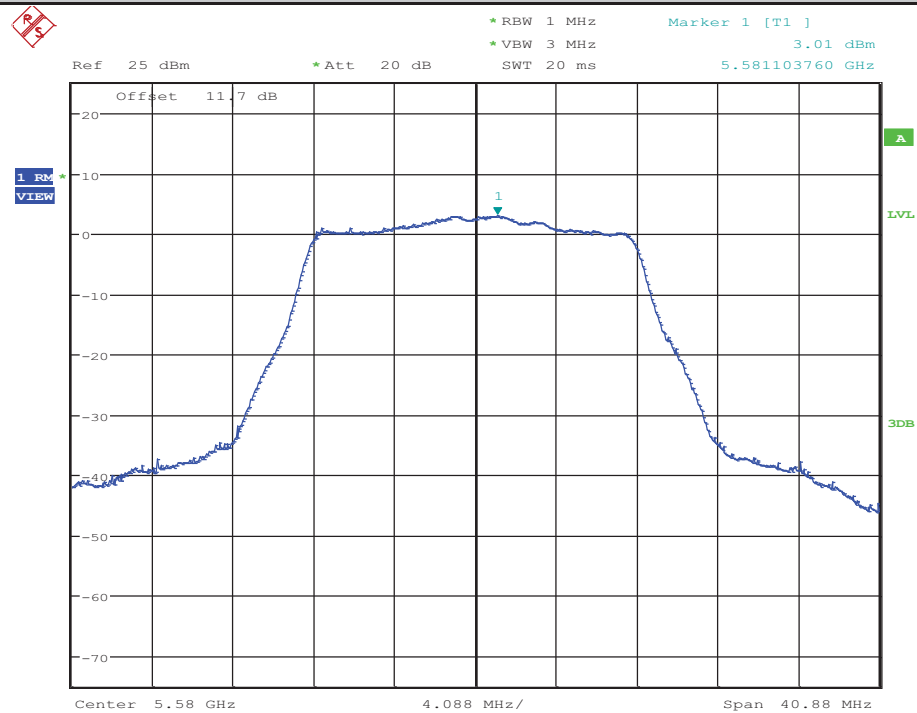
Date: 5.SEP.2017 11:54:23

## Maximum Power Spectral Density\_TNVN\_11A\_5580\_Ant1



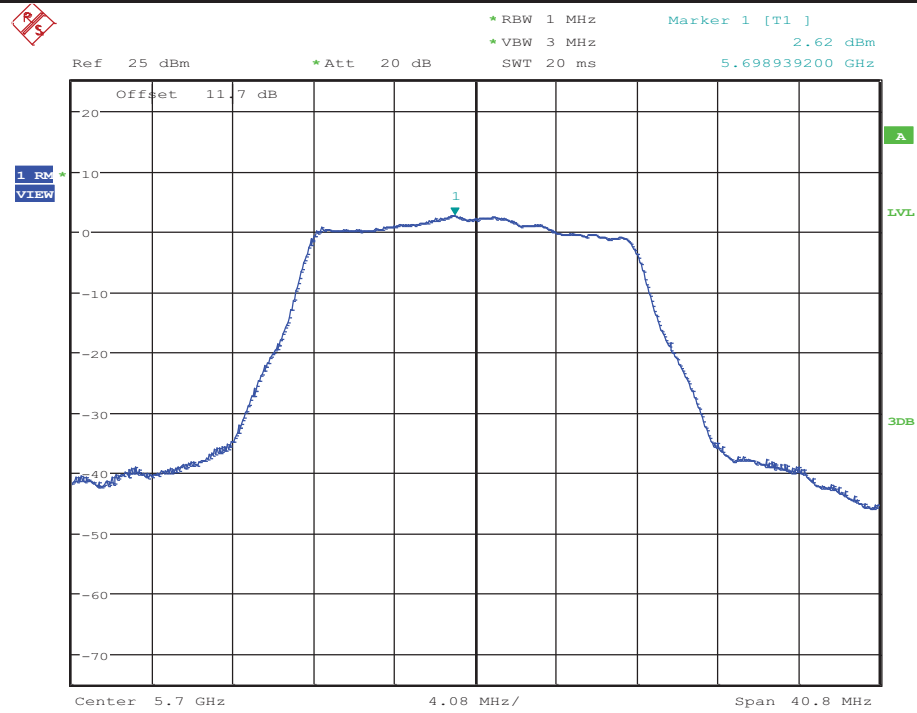
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## Maximum Power Spectral Density\_TNVN\_11A\_5580\_Ant2



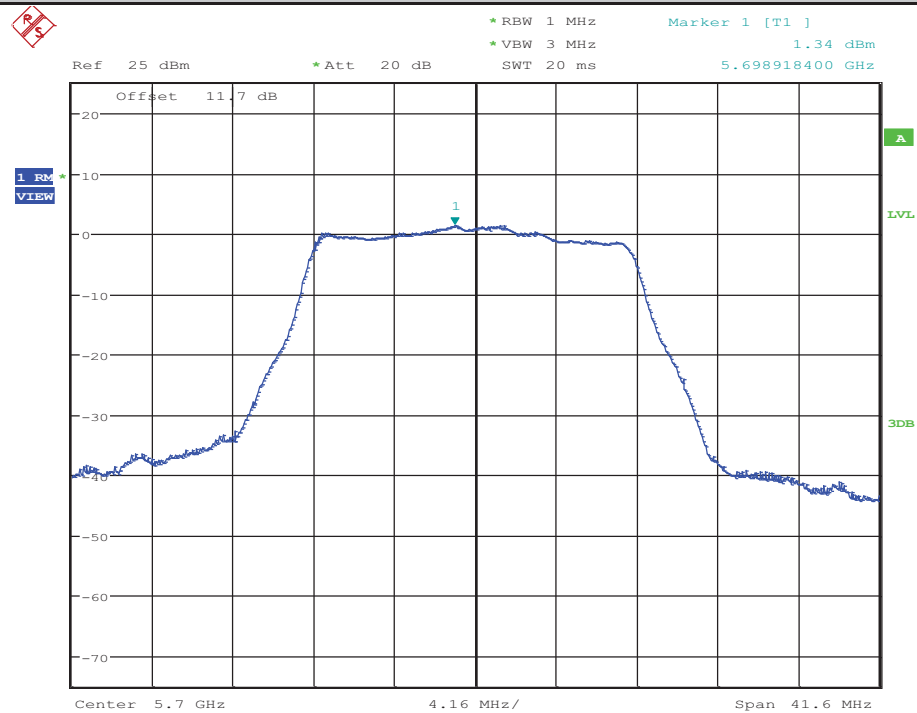
Date: 5.SEP.2017 12:29:25

## Maximum Power Spectral Density\_TNVN\_11A\_5700\_Ant1



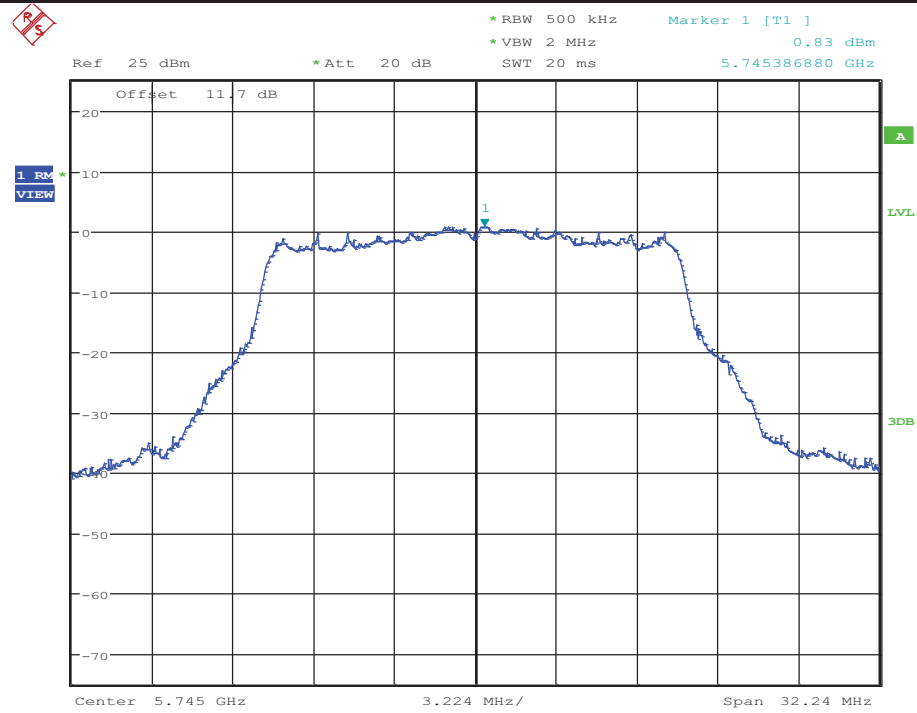
Date: 4.SEP.2017 18:47:58

## Maximum Power Spectral Density\_TNVN\_11A\_5700\_Ant2



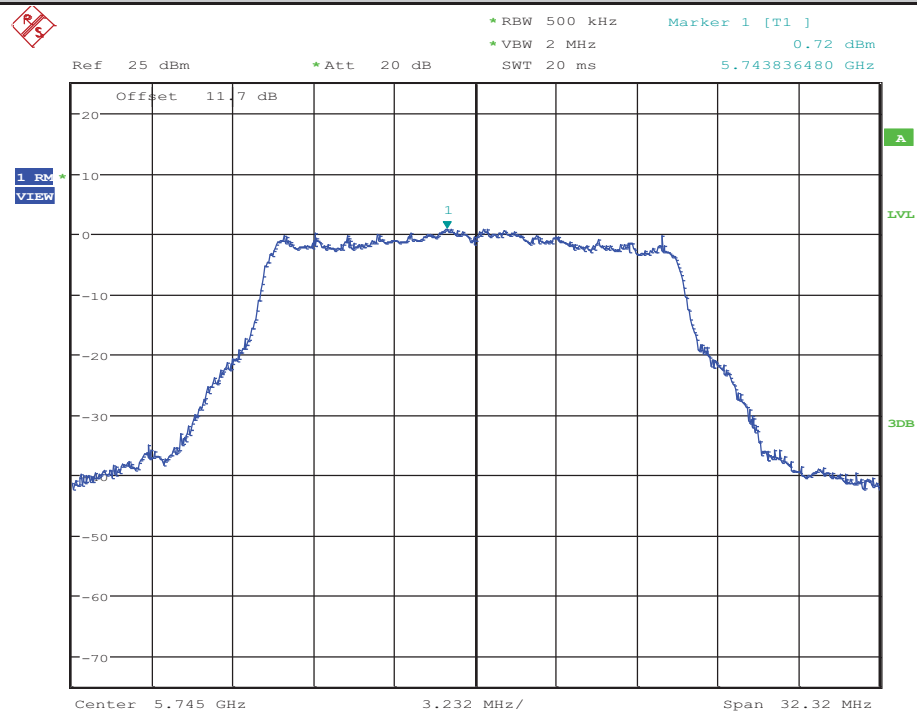
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## Maximum Power Spectral Density\_TNVN\_11A\_5745\_Ant1



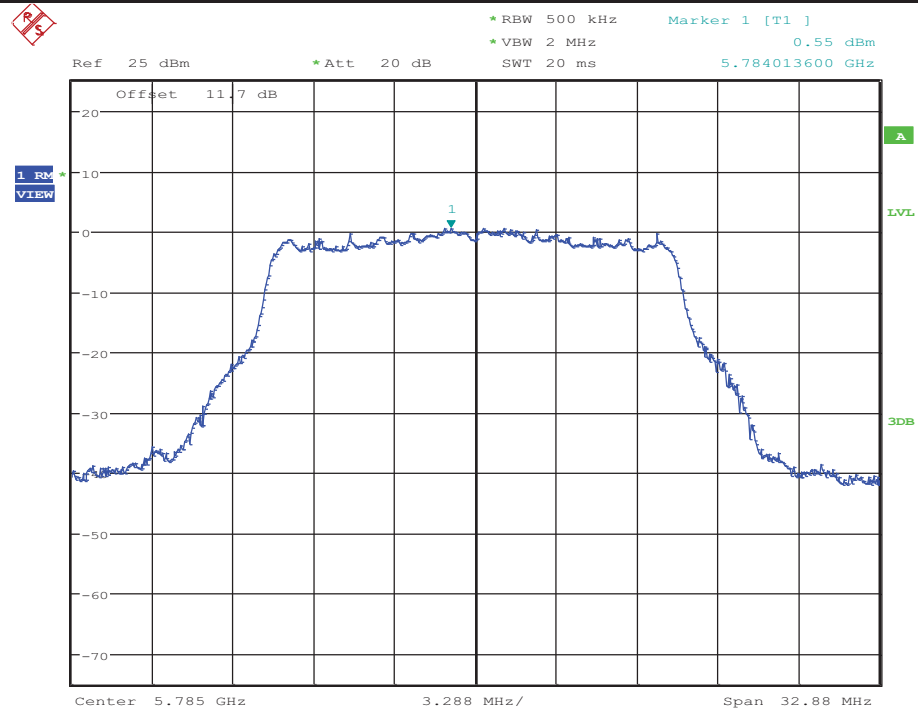
Date: 4.SEP.2017 18:56:23

## Maximum Power Spectral Density\_TNVN\_11A\_5745\_Ant2



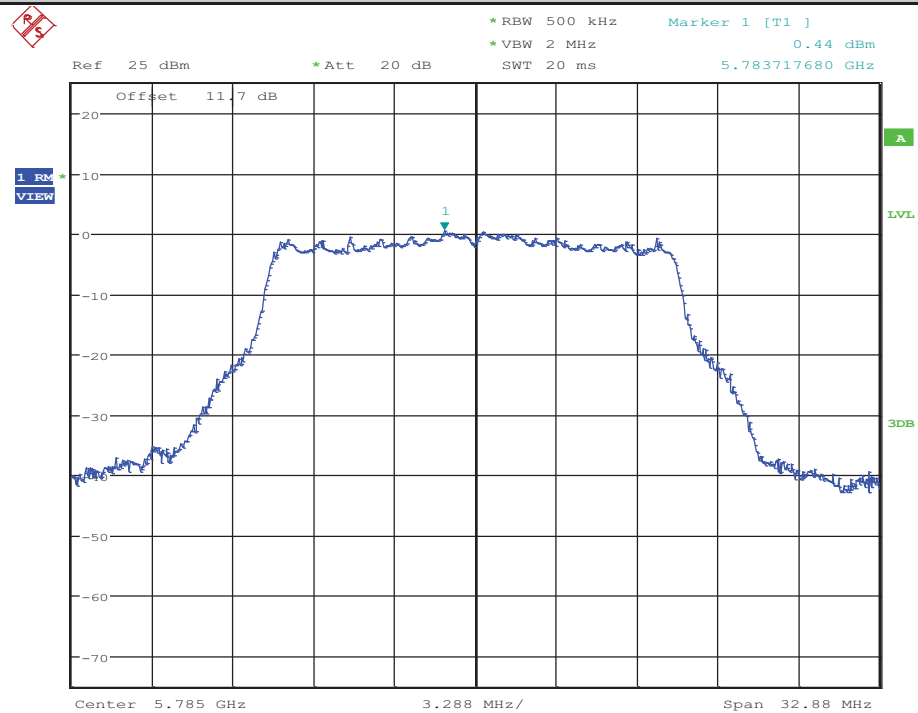
Date: 5.SEP.2017 13:44:22

## Maximum Power Spectral Density\_TNVN\_11A\_5785\_Ant1



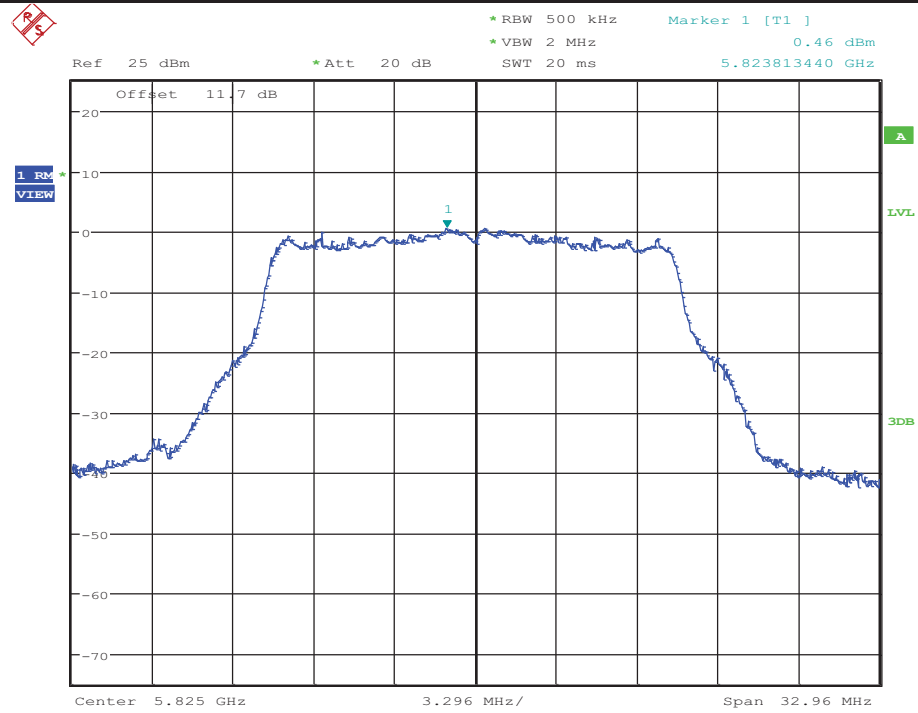
Date: 4.SEP.2017 19:00:22

## Maximum Power Spectral Density\_TNVN\_11A\_5785\_Ant2



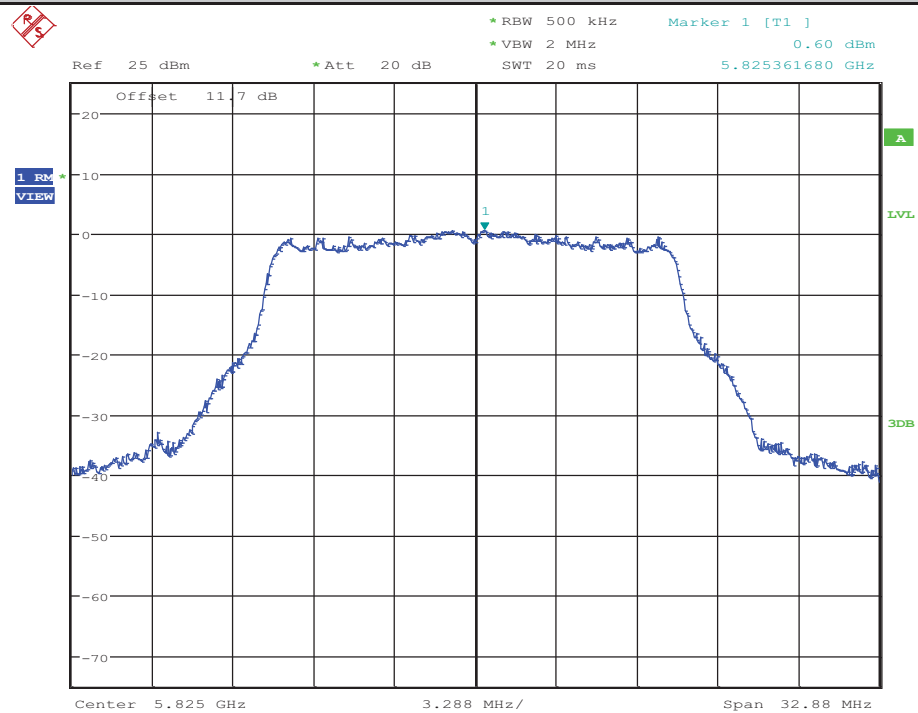
Date: 5.SEP.2017 13:48:26

## Maximum Power Spectral Density\_TNVN\_11A\_5825\_Ant1



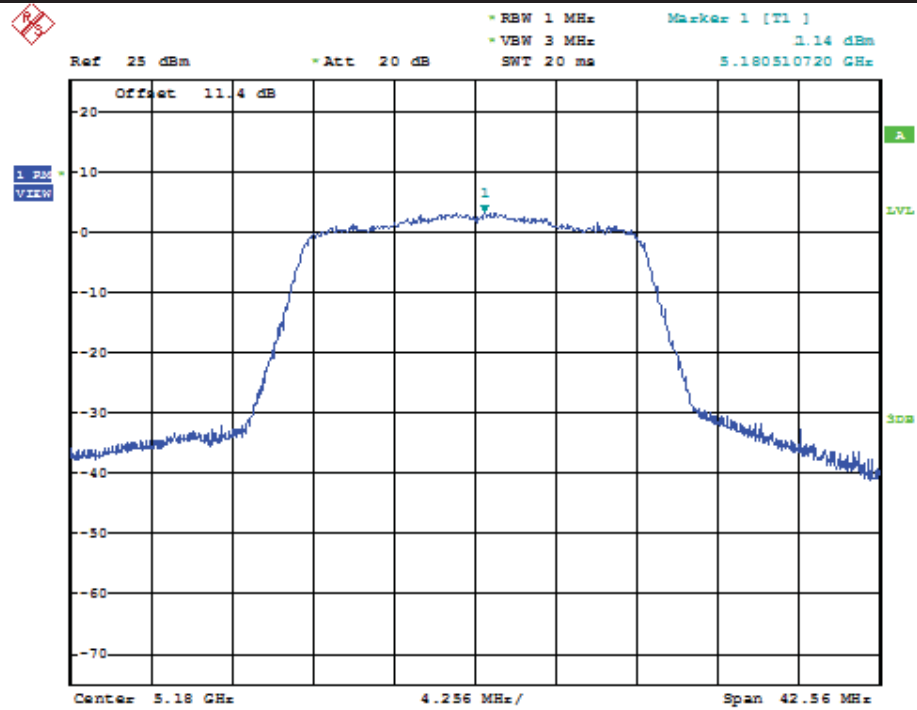
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## Maximum Power Spectral Density\_TNVN\_11A\_5825\_Ant2



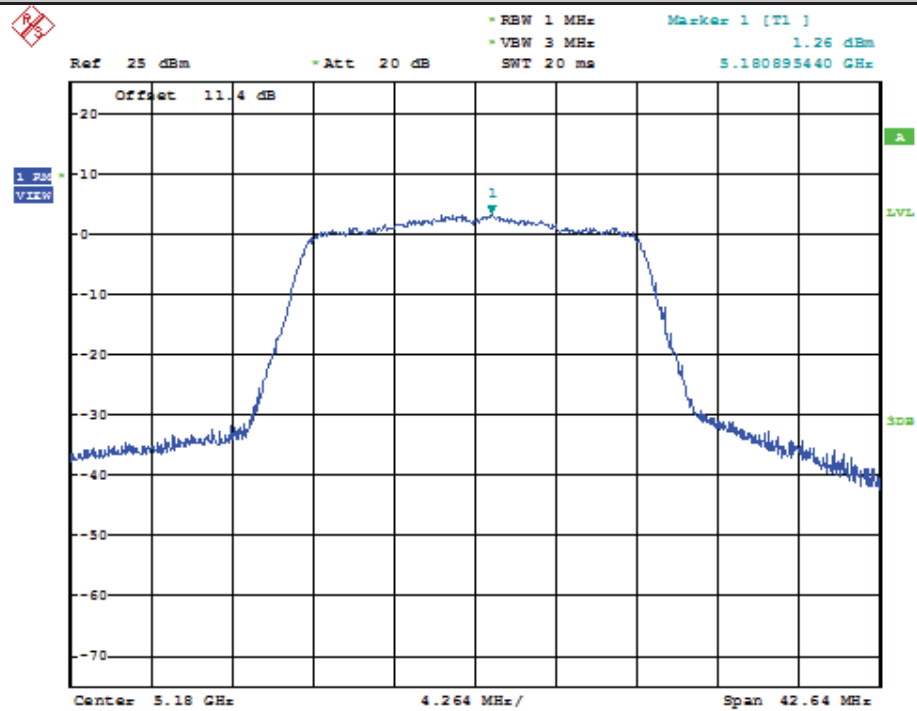
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## Maximum Power Spectral Density\_TNVN\_11N20\_5180\_Ant1



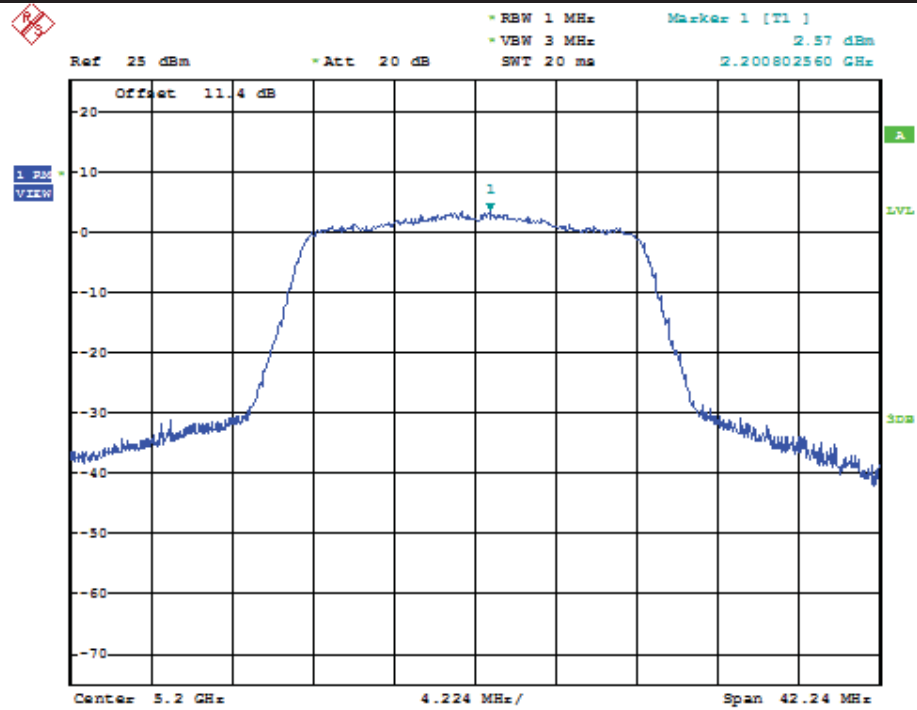
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## Maximum Power Spectral Density\_TNVN\_11N20\_5180\_Ant2



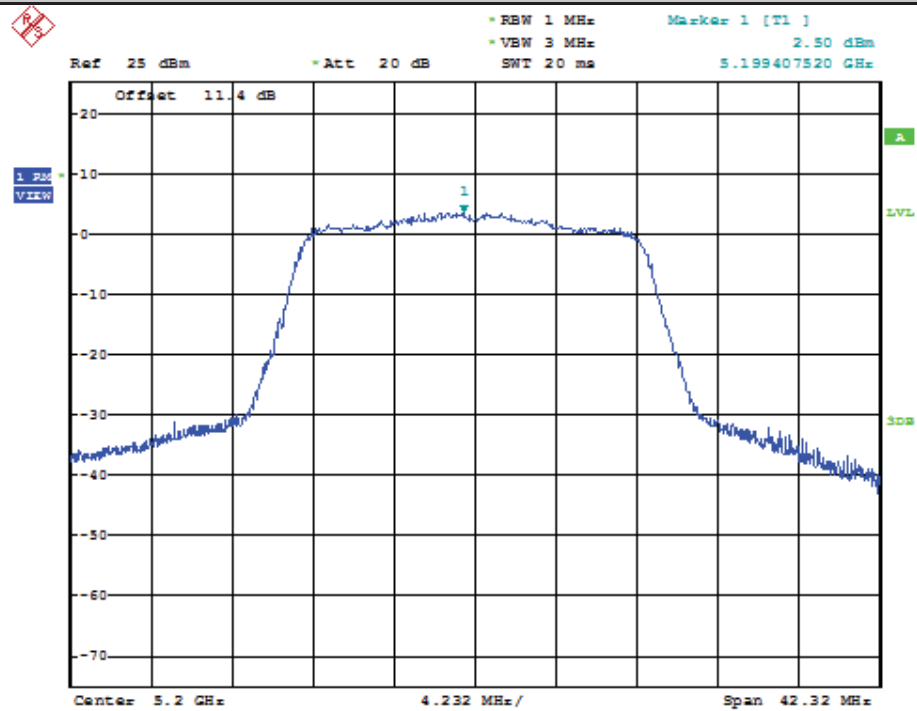
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## Maximum Power Spectral Density\_TNVN\_11N20\_5200\_Ant1



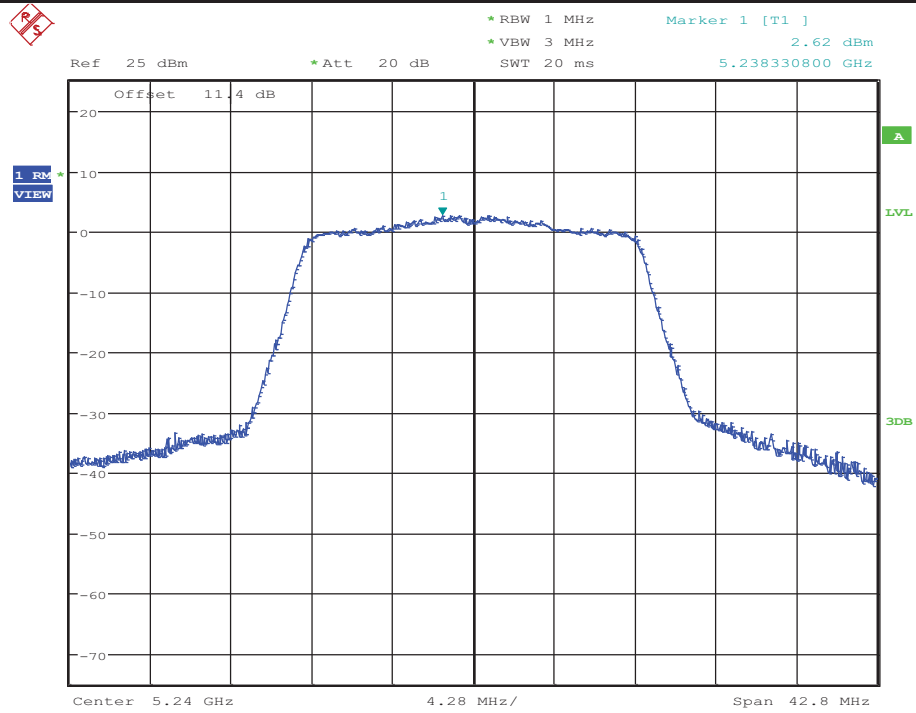
Date: 4.SEP.2017 19:13:37

## Maximum Power Spectral Density\_TNVN\_11N20\_5200\_Ant2



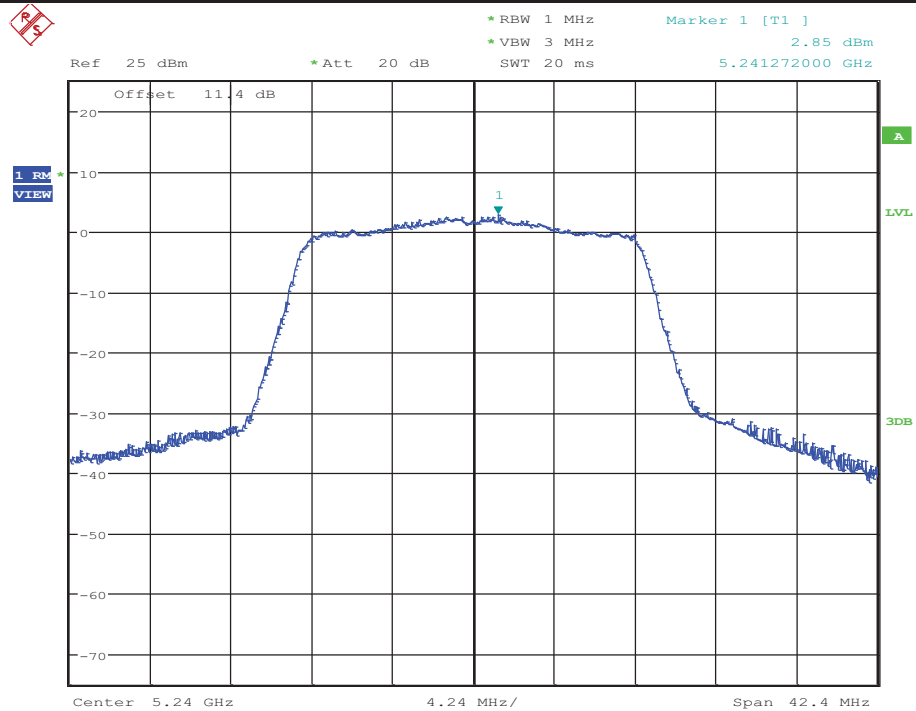
Date: 5.SEP.2017 14:01:53

## Maximum Power Spectral Density\_TNVN\_11N20\_5240\_Ant1



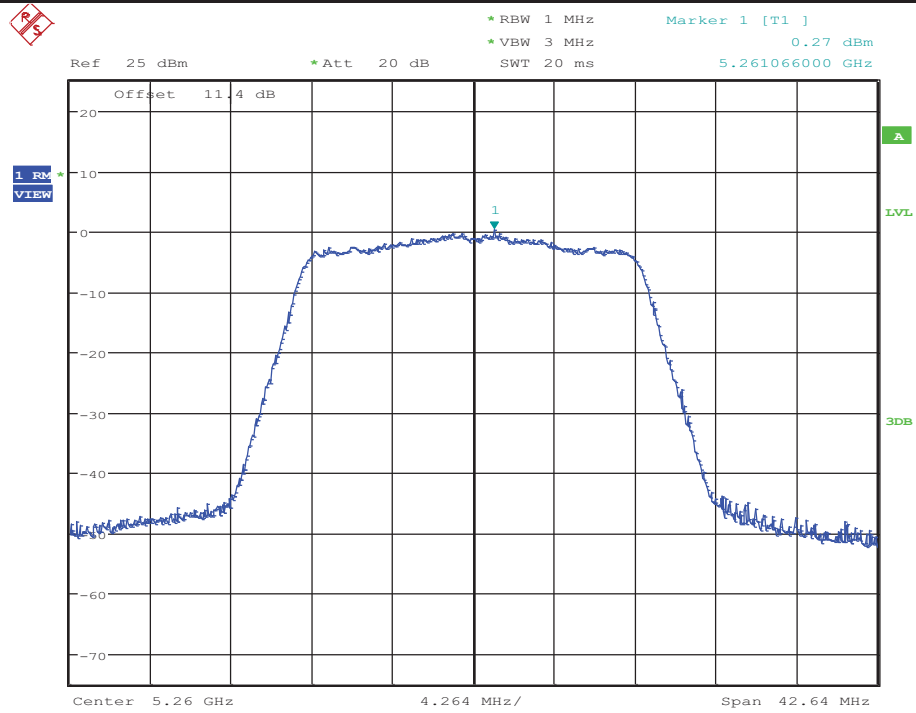
Date: 4.SEP.2017 19:18:03

## Maximum Power Spectral Density\_TNVN\_11N20\_5240\_Ant2



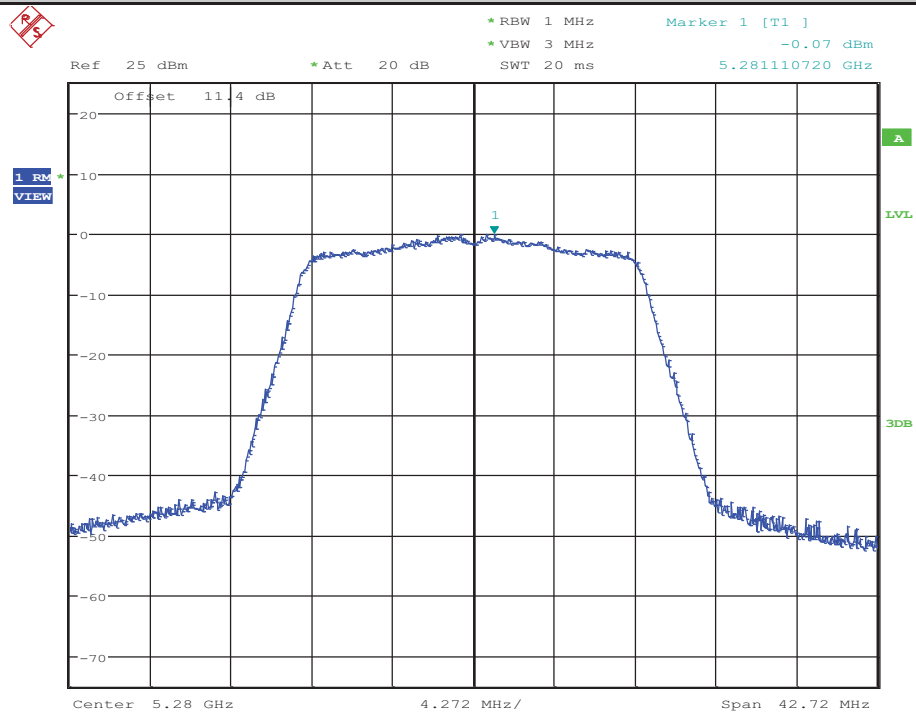
Date: 5.SEP.2017 14:06:20

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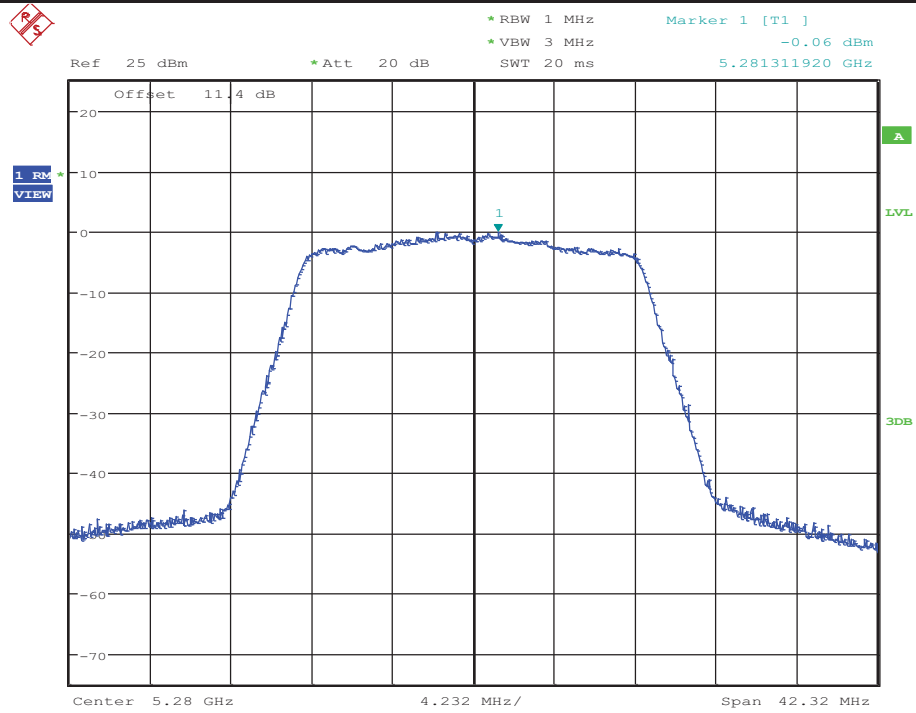
Date: 4.SEP.2017 19:23:01

## Maximum Power Spectral Density\_TNVN\_11N20\_5280\_Ant1



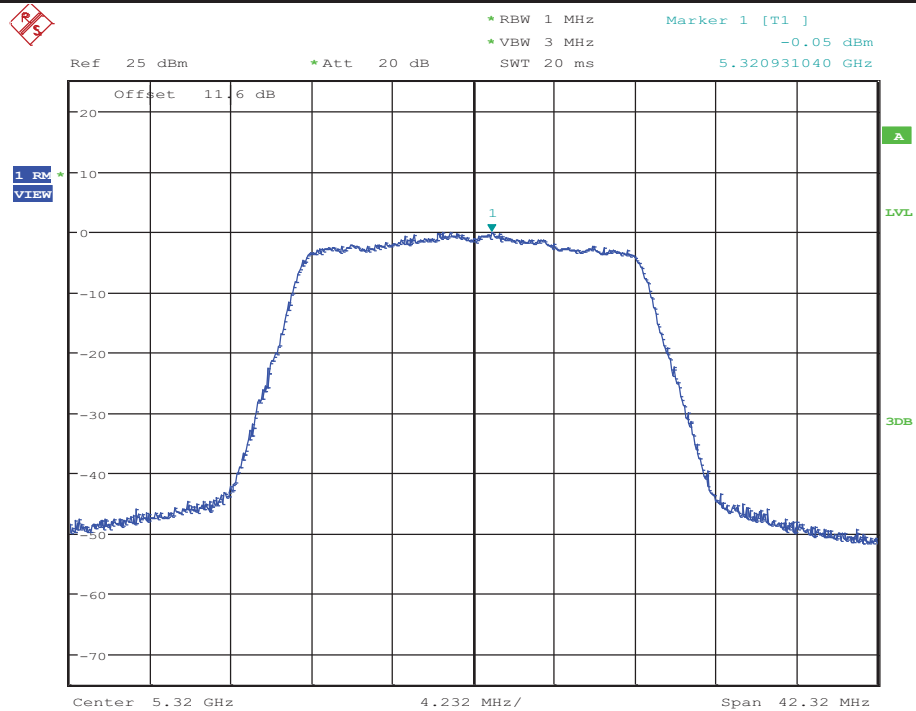
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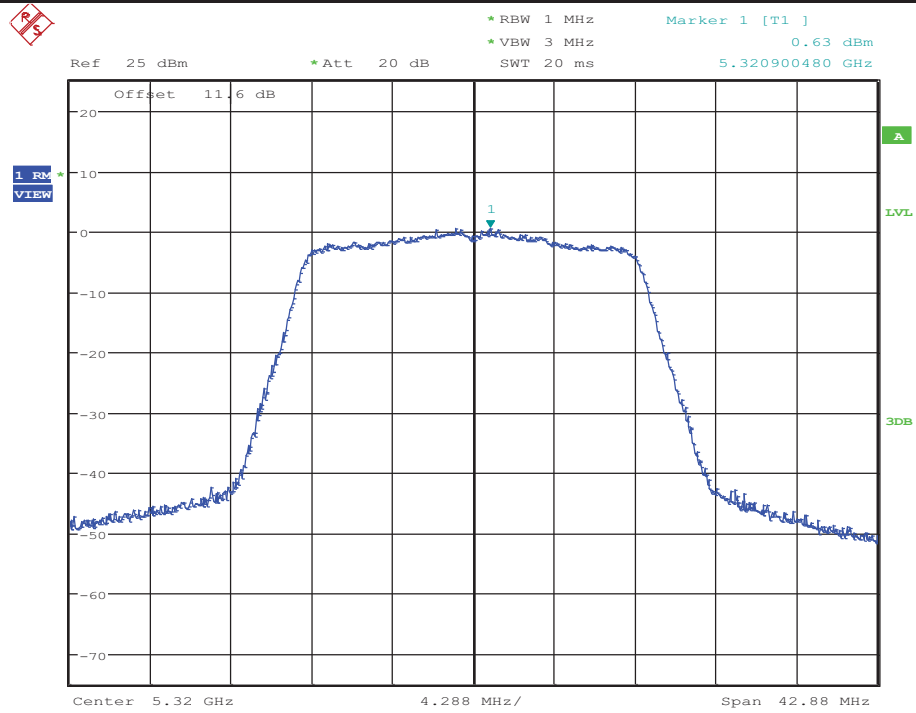
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## Maximum Power Spectral Density\_TNVN\_11N20\_5320\_Ant1



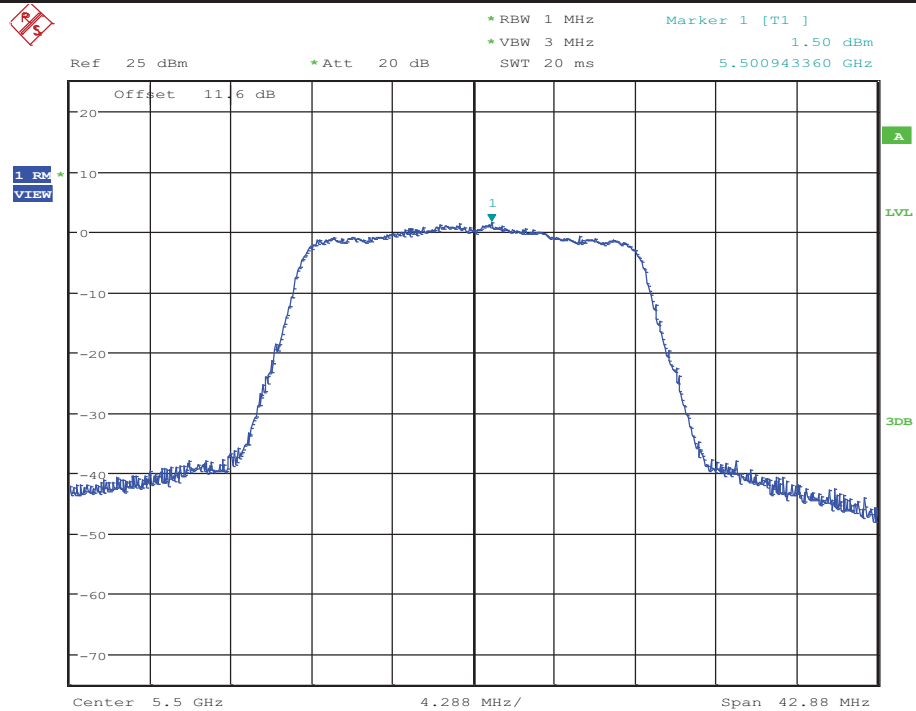
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## Maximum Power Spectral Density\_TNVN\_11N20\_5320\_Ant2



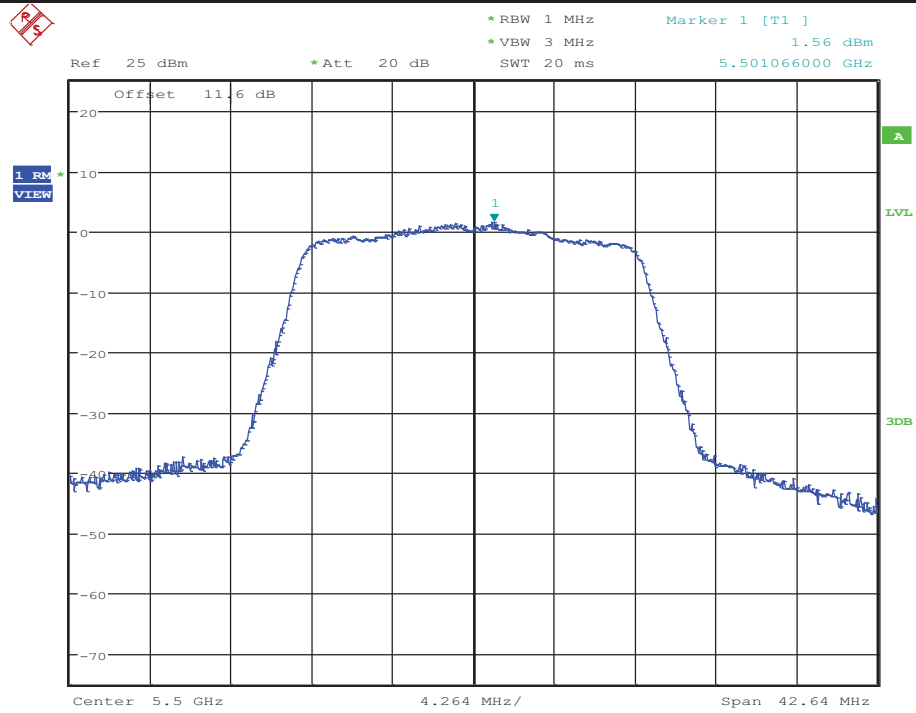
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## Maximum Power Spectral Density\_TNVN\_11N20\_5500\_Ant1



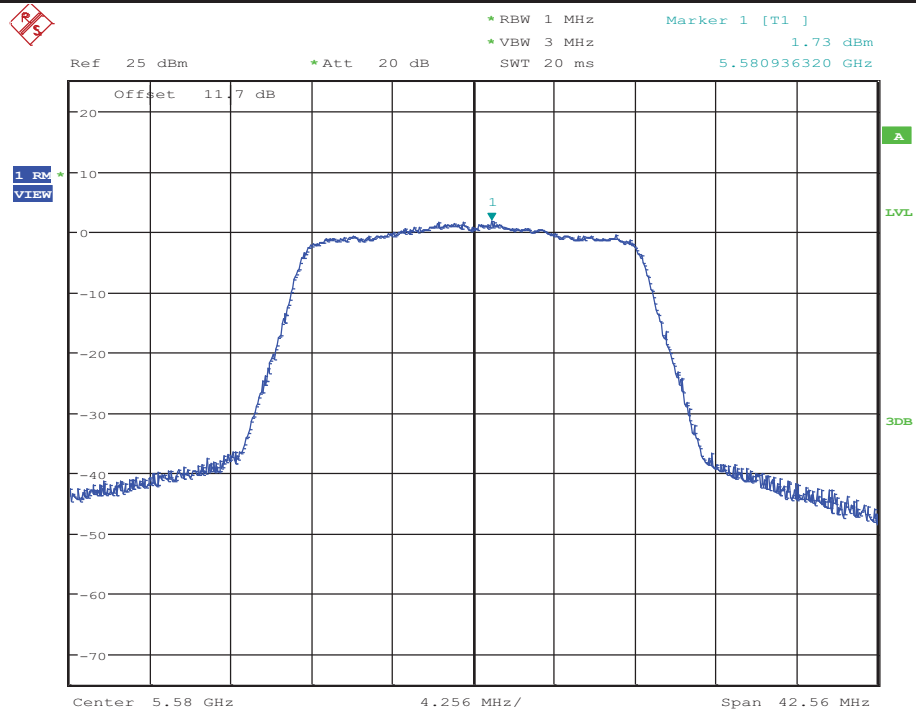
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## Maximum Power Spectral Density\_TNVN\_11N20\_5500\_Ant2



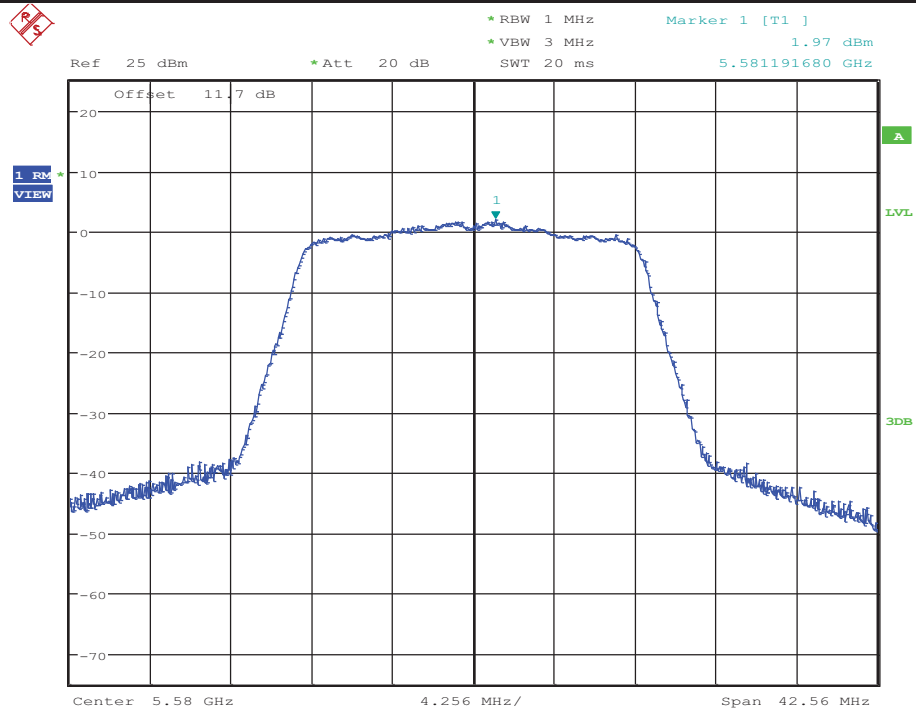
Date: 5.SEP.2017 14:27:03

## Maximum Power Spectral Density\_TNVN\_11N20\_5580\_Ant1



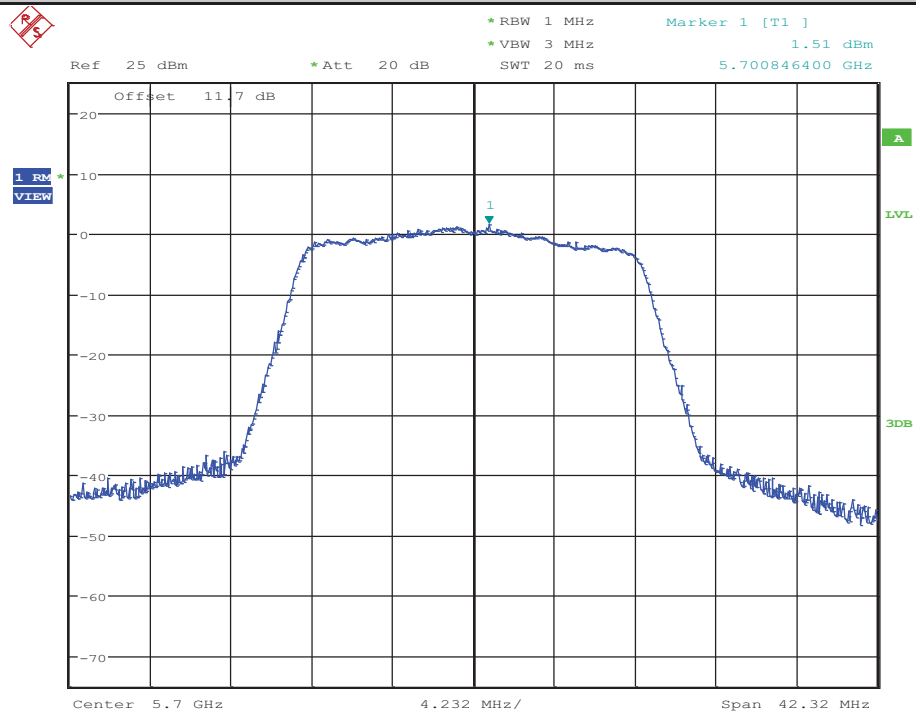
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## Maximum Power Spectral Density\_TNVN\_11N20\_5580\_Ant2



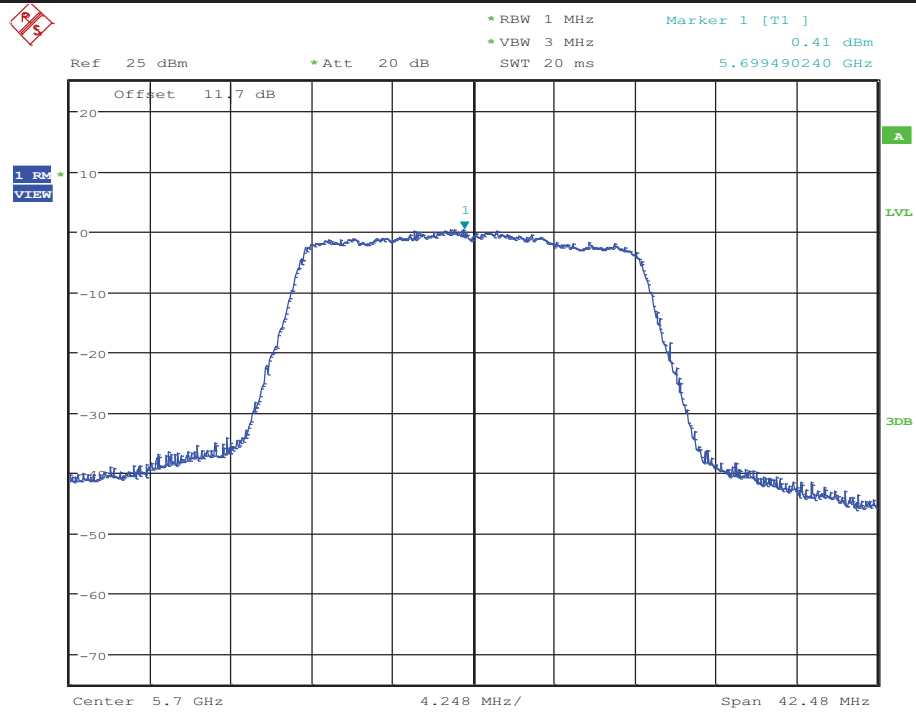
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## Maximum Power Spectral Density\_TNVN\_11N20\_5700\_Ant1



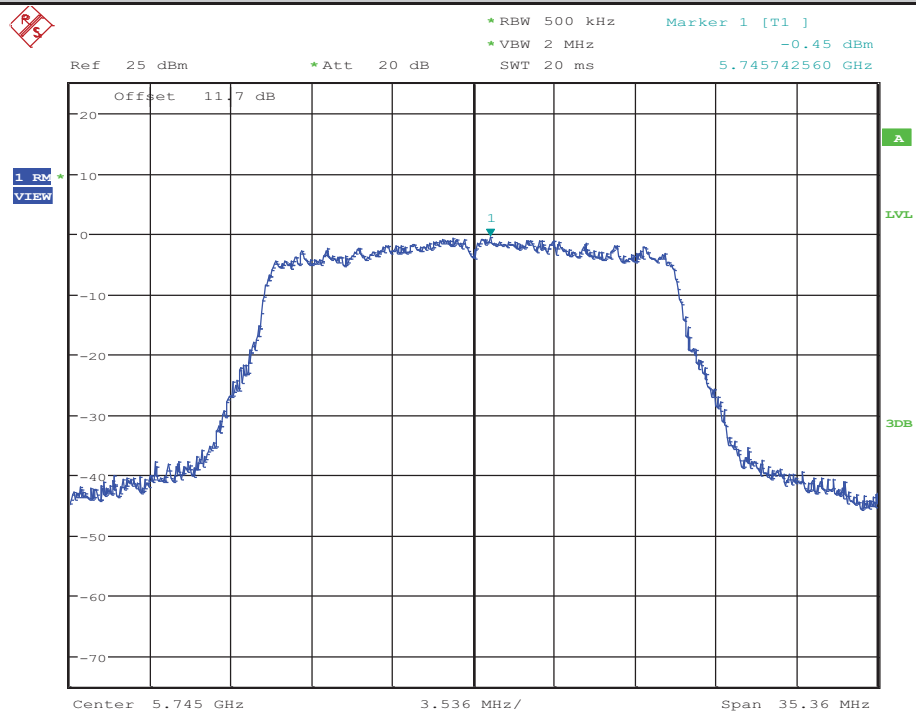
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## Maximum Power Spectral Density\_TNVN\_11N20\_5700\_Ant2



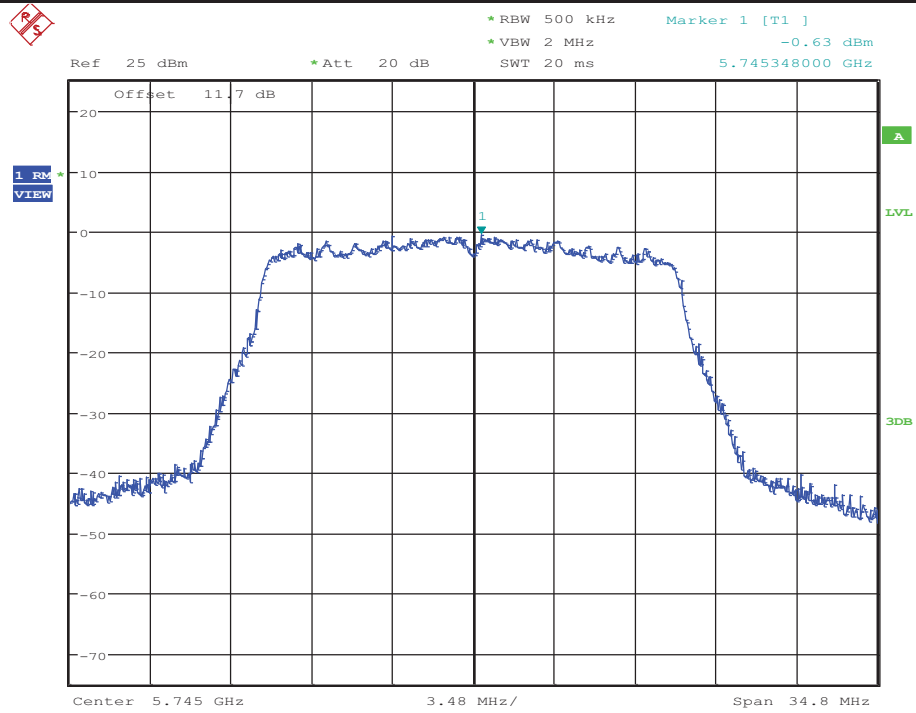
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## Maximum Power Spectral Density\_TNVN\_11N20\_5745\_Ant1



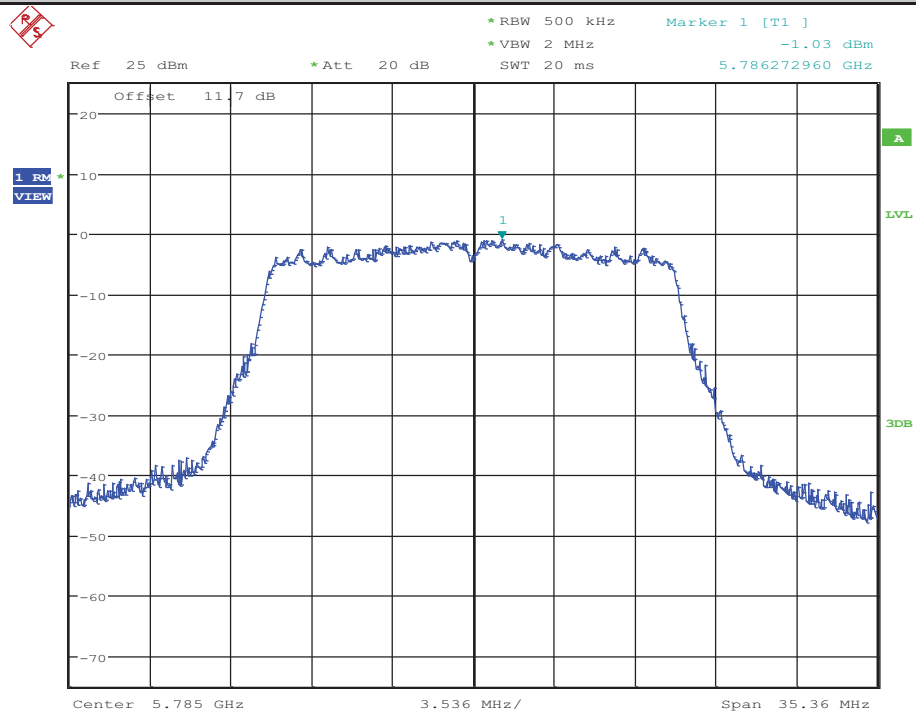
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## Maximum Power Spectral Density\_TNVN\_11N20\_5745\_Ant2



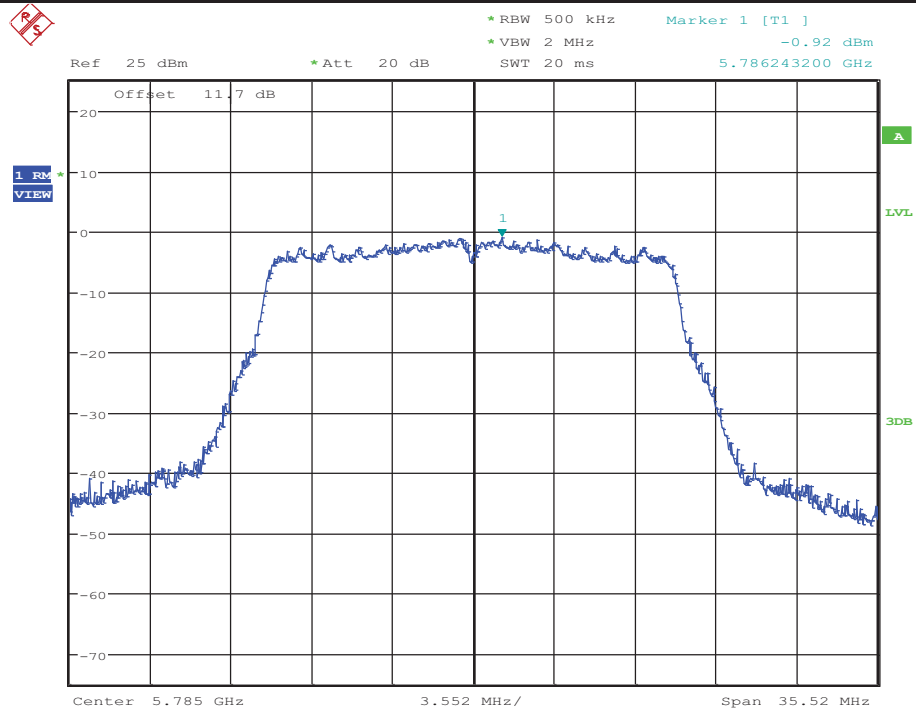
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## Maximum Power Spectral Density\_TNVN\_11N20\_5785\_Ant1



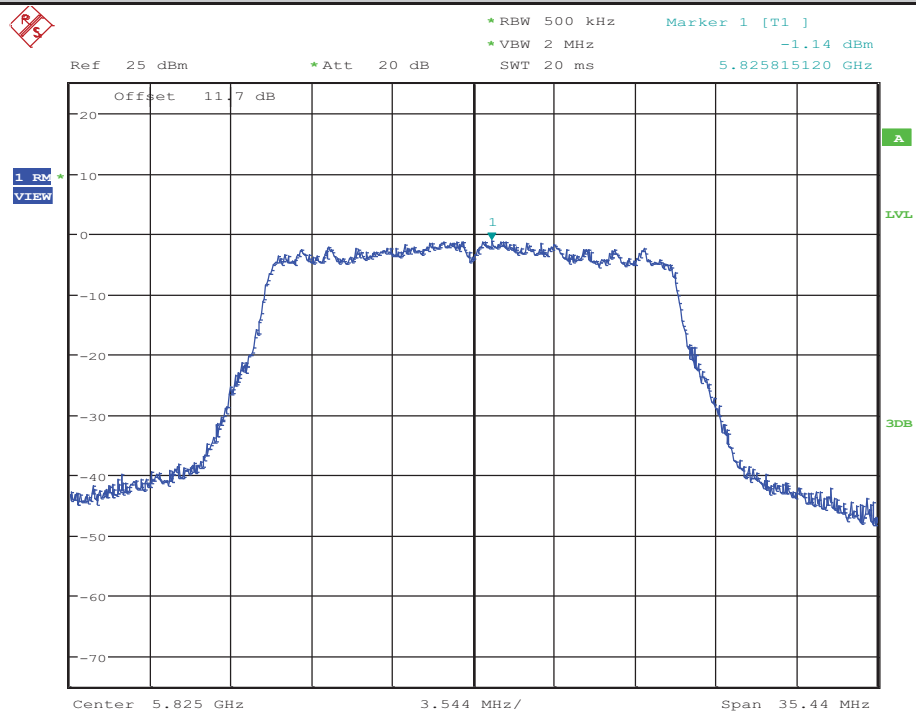
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## Maximum Power Spectral Density\_TNVN\_11N20\_5785\_Ant2



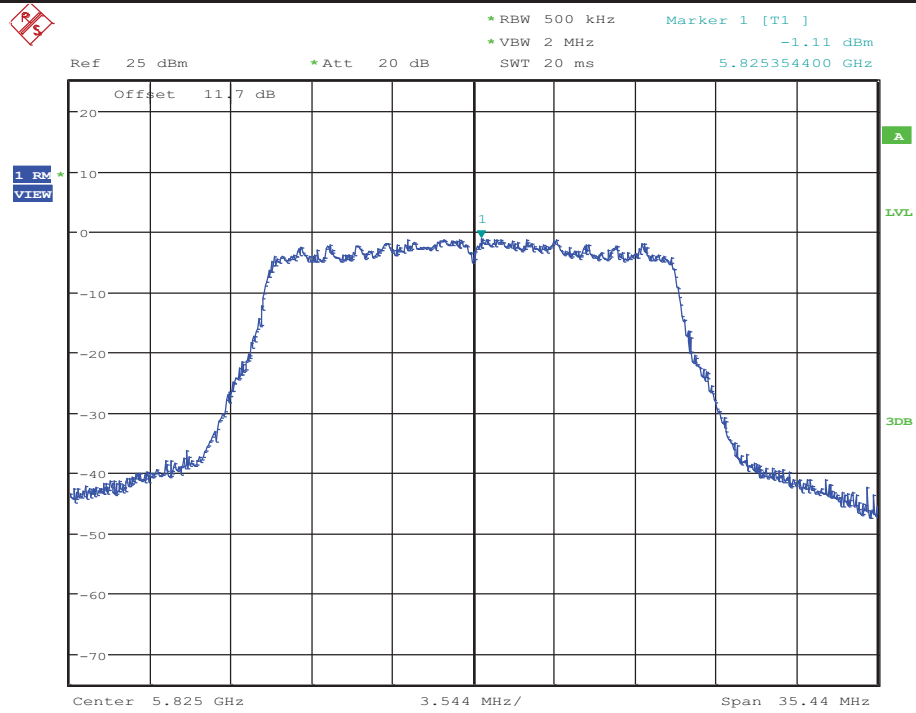
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## Maximum Power Spectral Density\_TNVN\_11N20\_5825\_Ant1



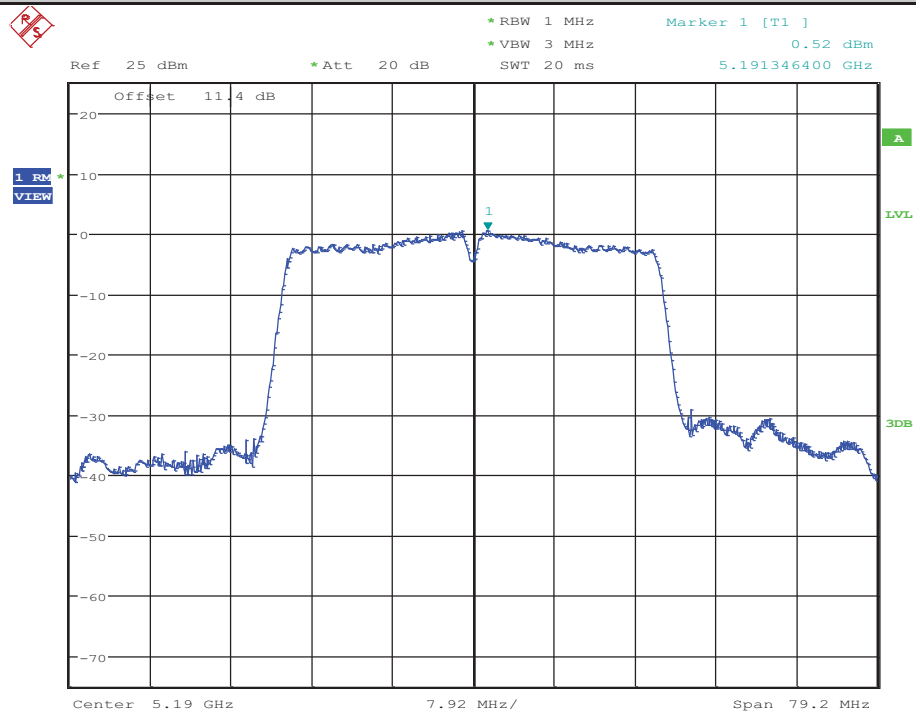
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## Maximum Power Spectral Density\_TNVN\_11N20\_5825\_Ant2



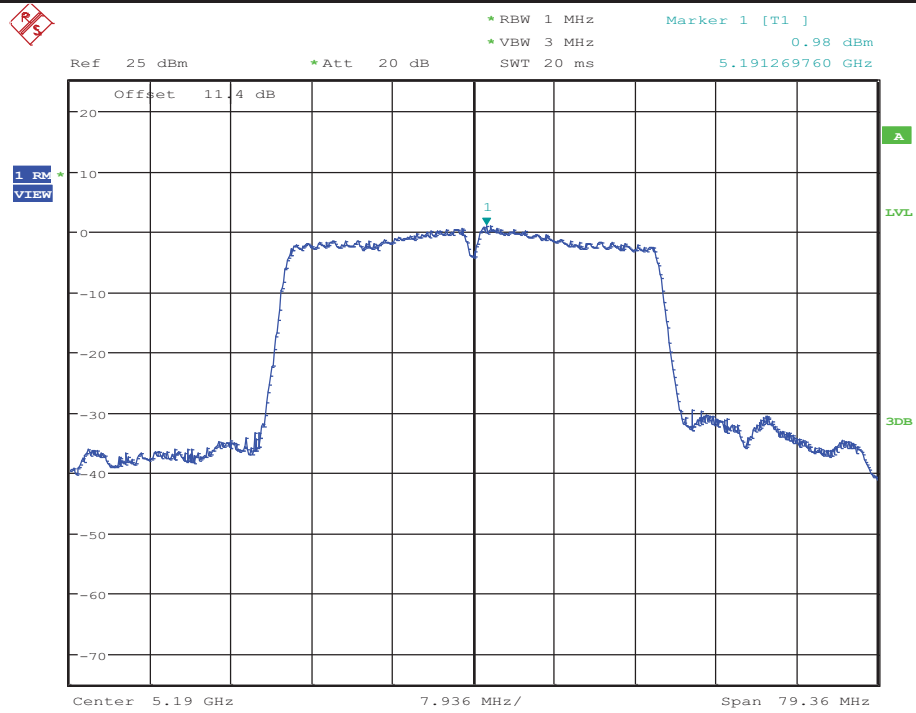
Date: 5.SEP.2017 14:50:40

## Maximum Power Spectral Density\_TNVN\_11N40\_5190\_Ant1



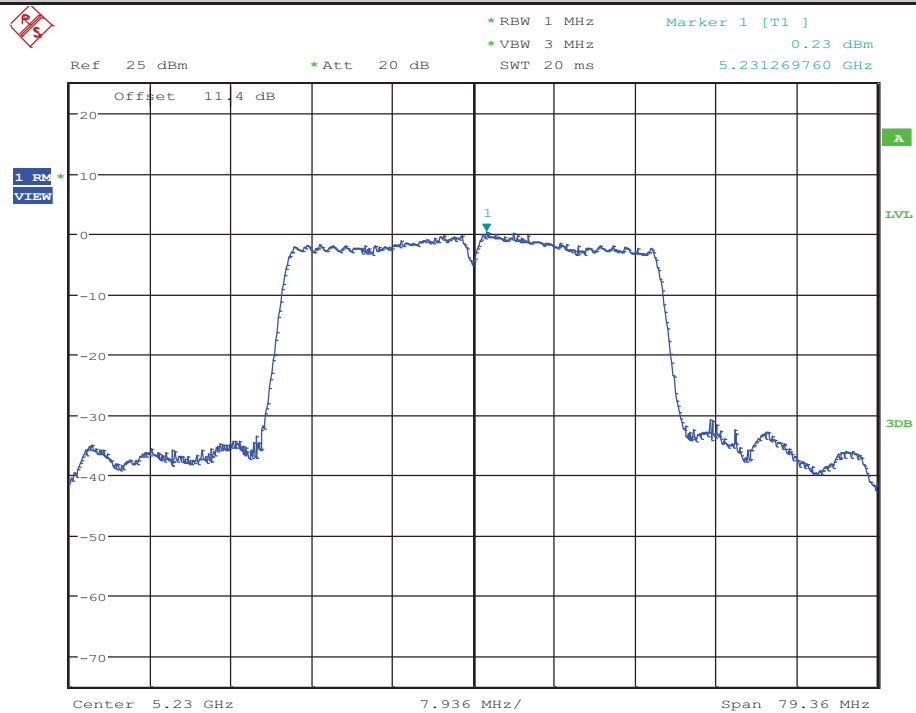
Date: 4.SEP.2017 20:32:56

## Maximum Power Spectral Density\_TNVN\_11N40\_5190\_Ant2



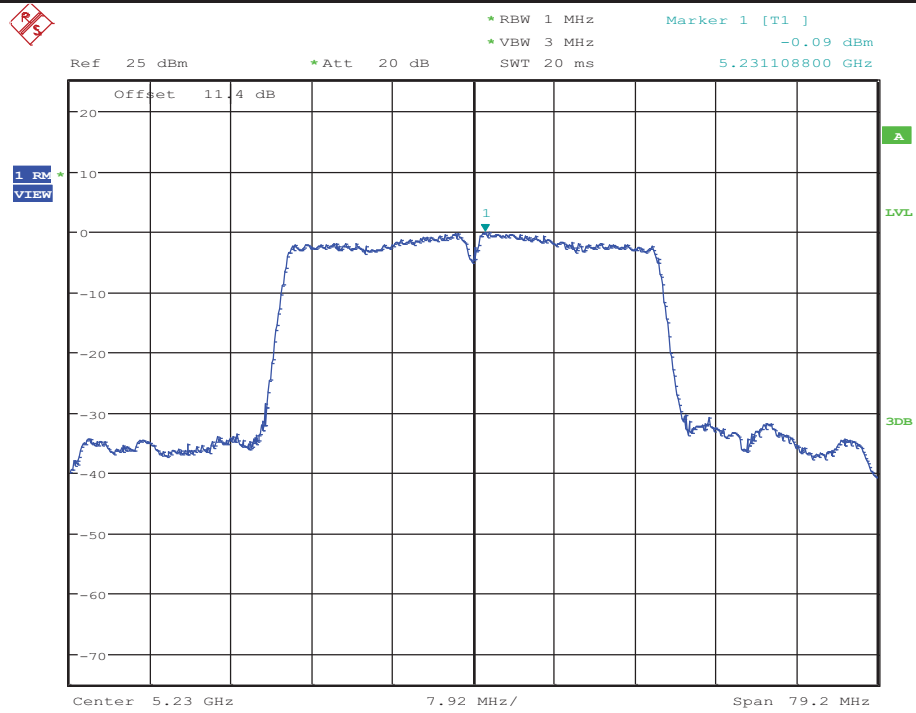
Date: 5.SEP.2017 15:02:22

## Maximum Power Spectral Density\_TNVN\_11N40\_5230\_Ant1



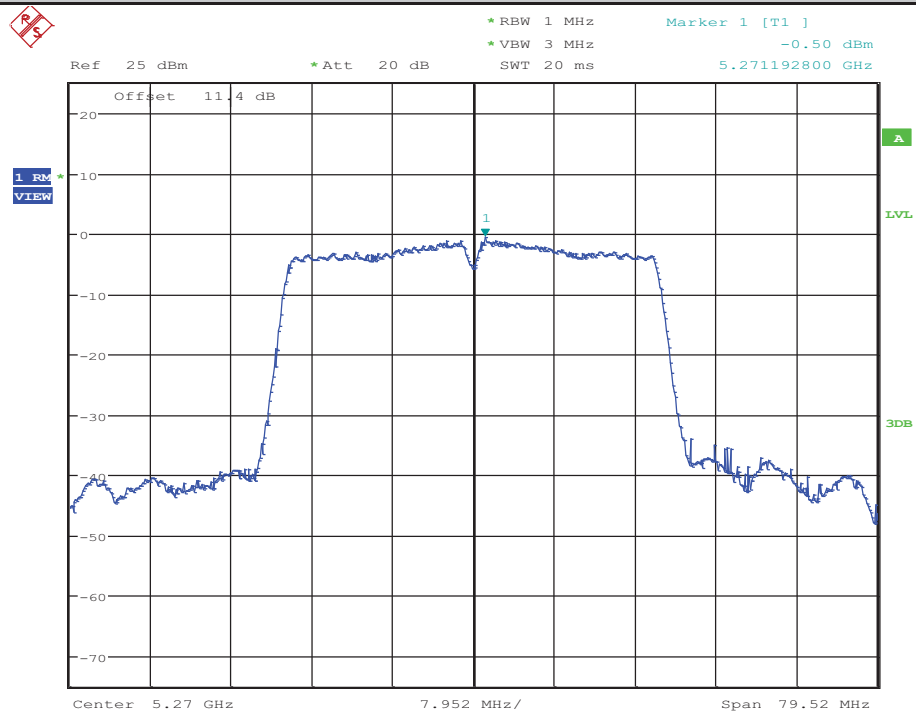
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## Maximum Power Spectral Density\_TNVN\_11N40\_5230\_Ant2



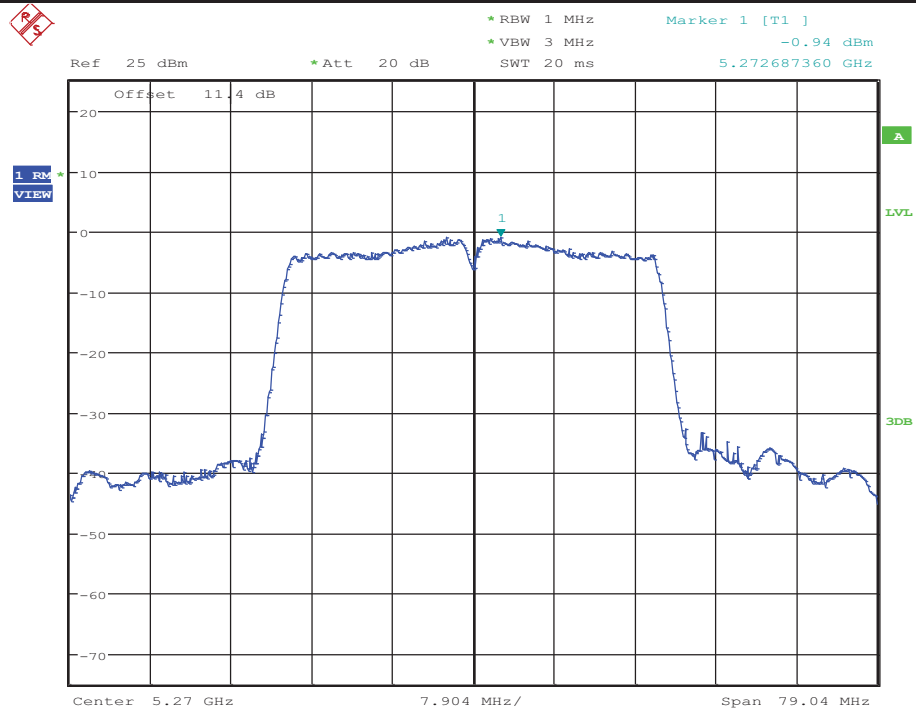
Date: 5.SEP.2017 15:06:49

## Maximum Power Spectral Density\_TNVN\_11N40\_5270\_Ant1



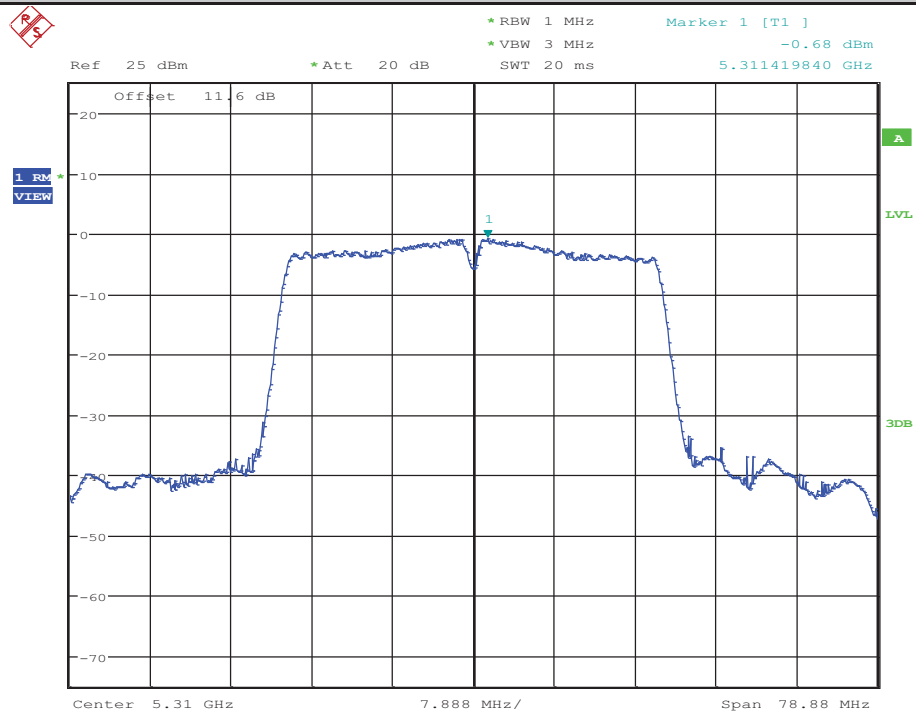
Date: 4.SEP.2017 20:42:13

## Maximum Power Spectral Density\_TNVN\_11N40\_5270\_Ant2



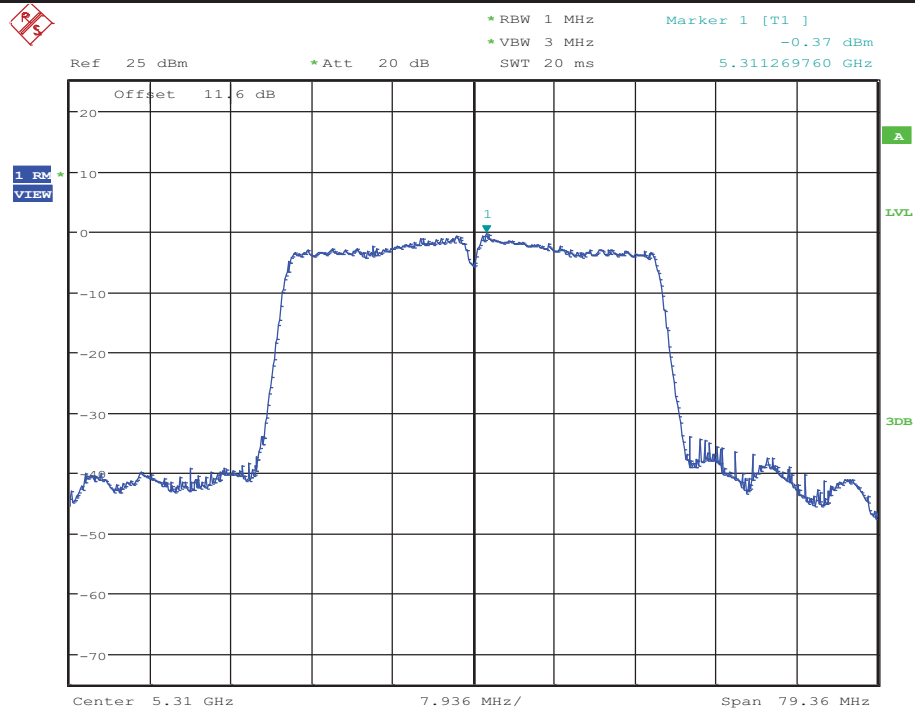
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## Maximum Power Spectral Density\_TNVN\_11N40\_5310\_Ant1



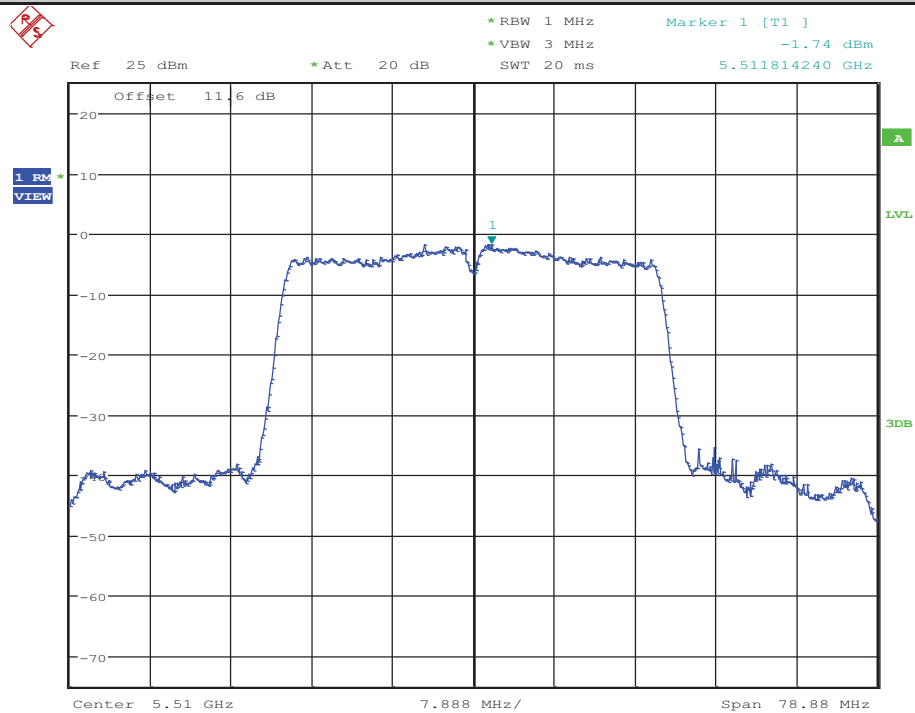
Date: 4.SEP.2017 20:49:11

## Maximum Power Spectral Density\_TNVN\_11N40\_5310\_Ant2



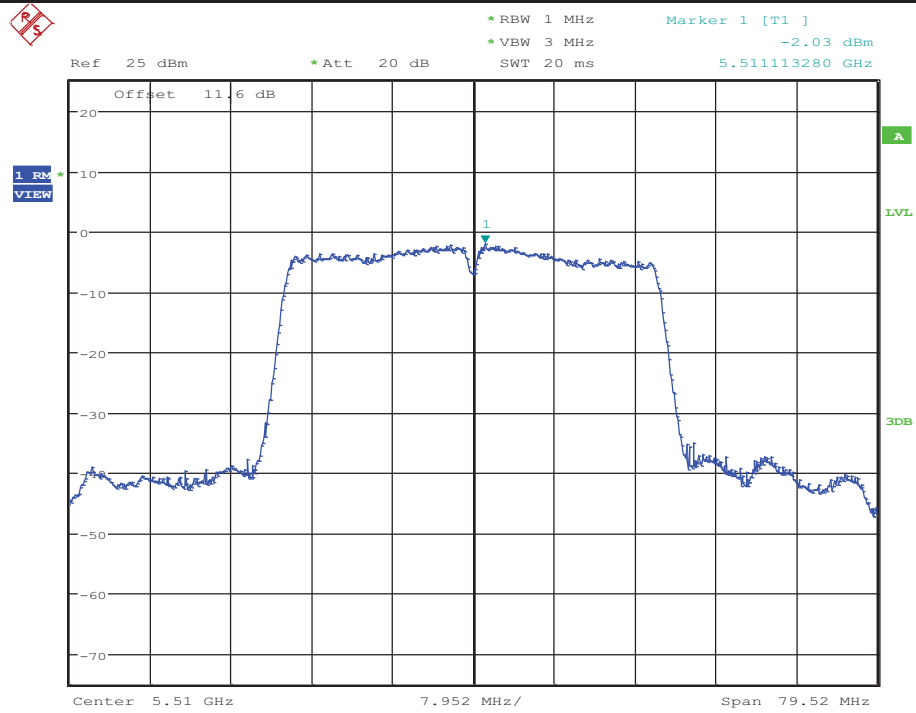
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## Maximum Power Spectral Density\_TNVN\_11N40\_5510\_Ant1



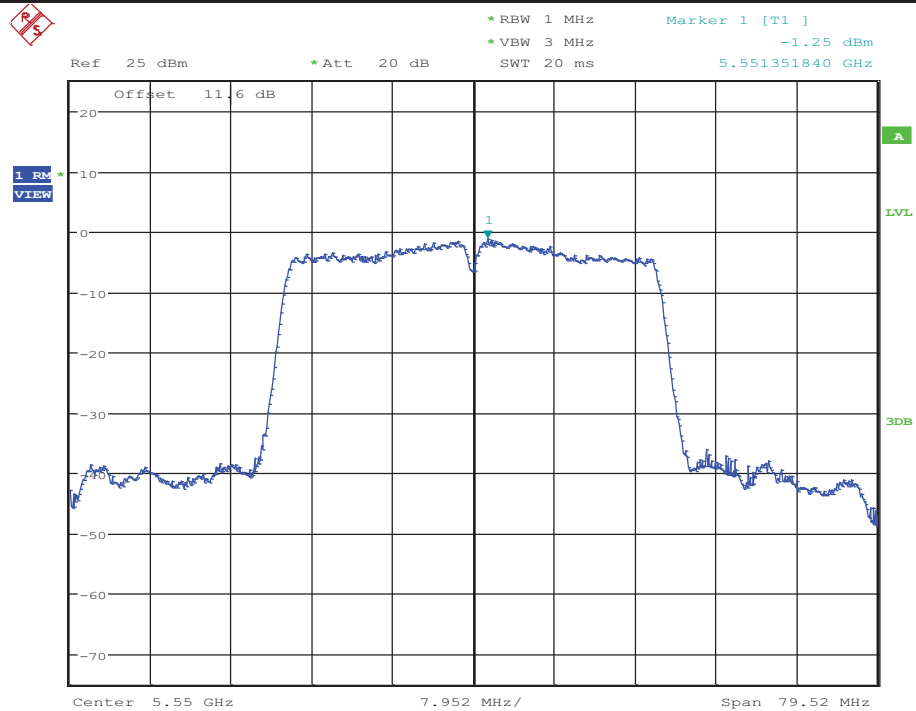
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## Maximum Power Spectral Density\_TNVN\_11N40\_5510\_Ant2



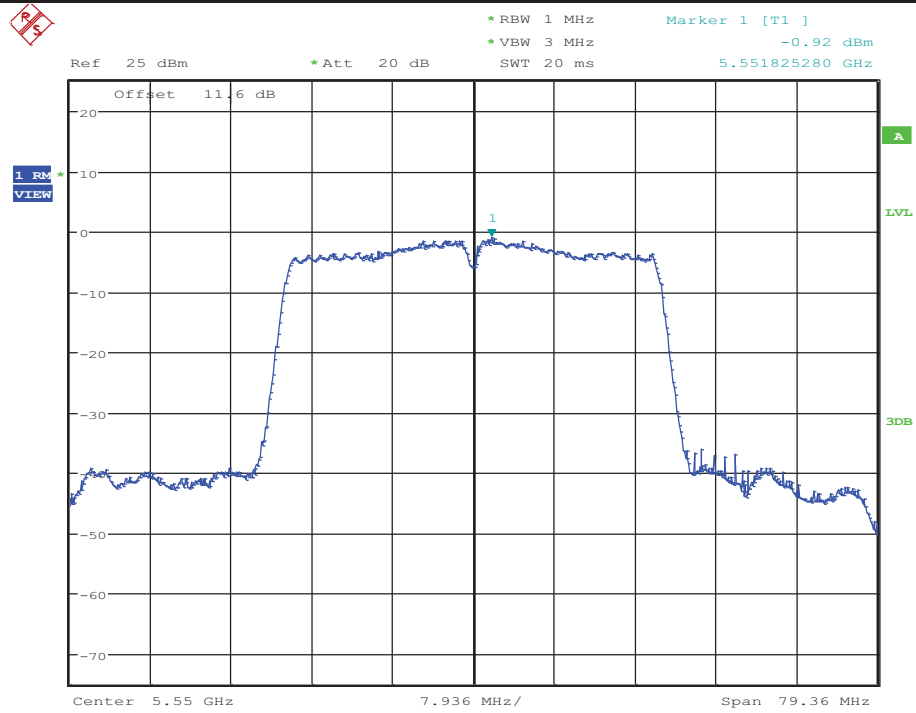
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## Maximum Power Spectral Density\_TNVN\_11N40\_5550\_Ant1



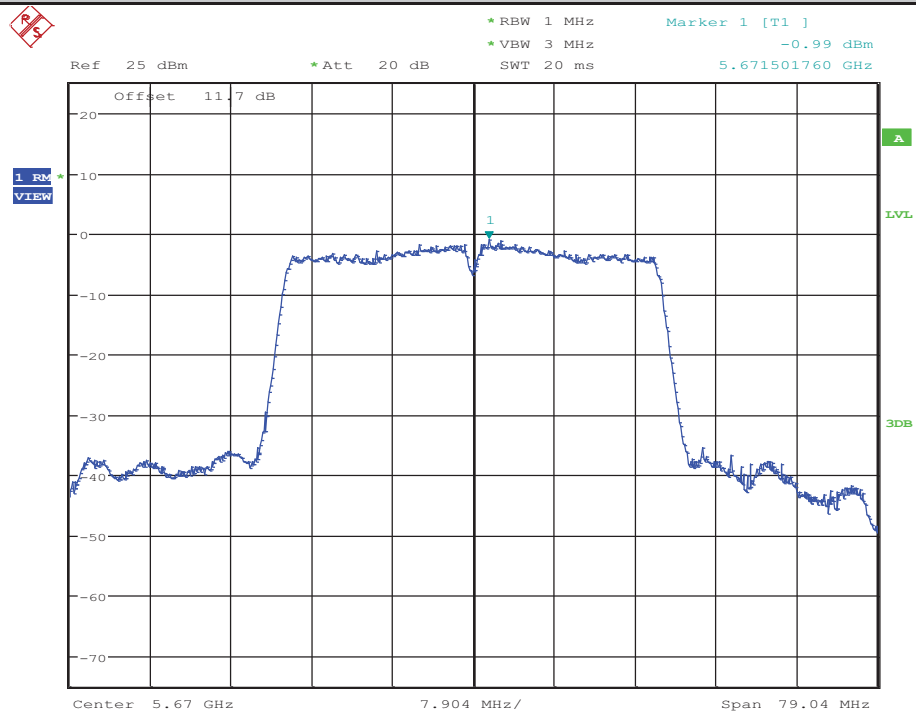
Date: 4.SEP.2017 21:04:33

## Maximum Power Spectral Density\_TNVN\_11N40\_5550\_Ant2



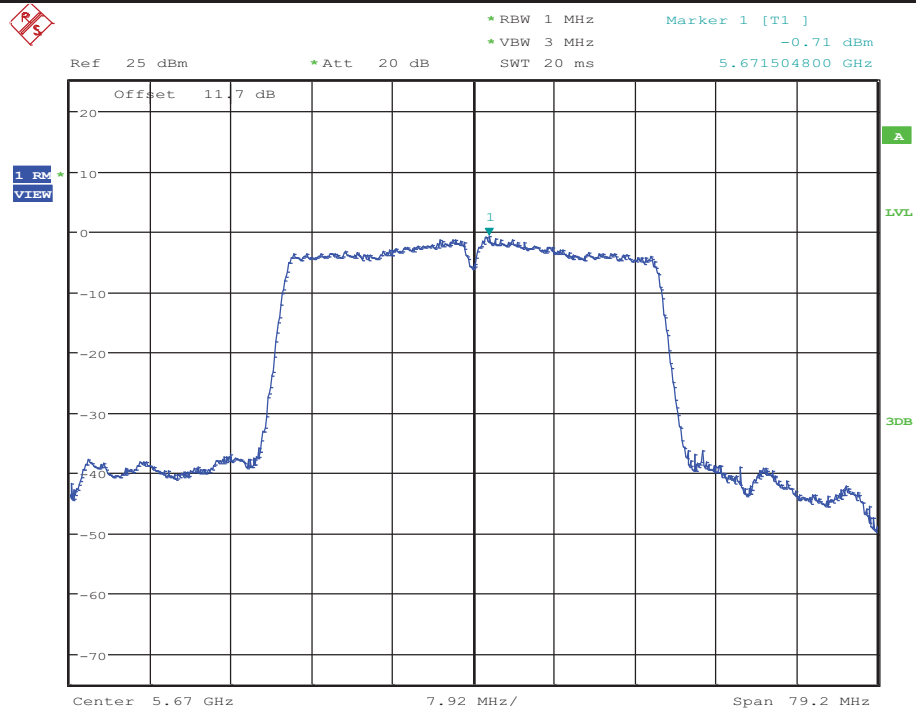
Date: 5.SEP.2017 19:40:53

## Maximum Power Spectral Density\_TNVN\_11N40\_5670\_Ant1



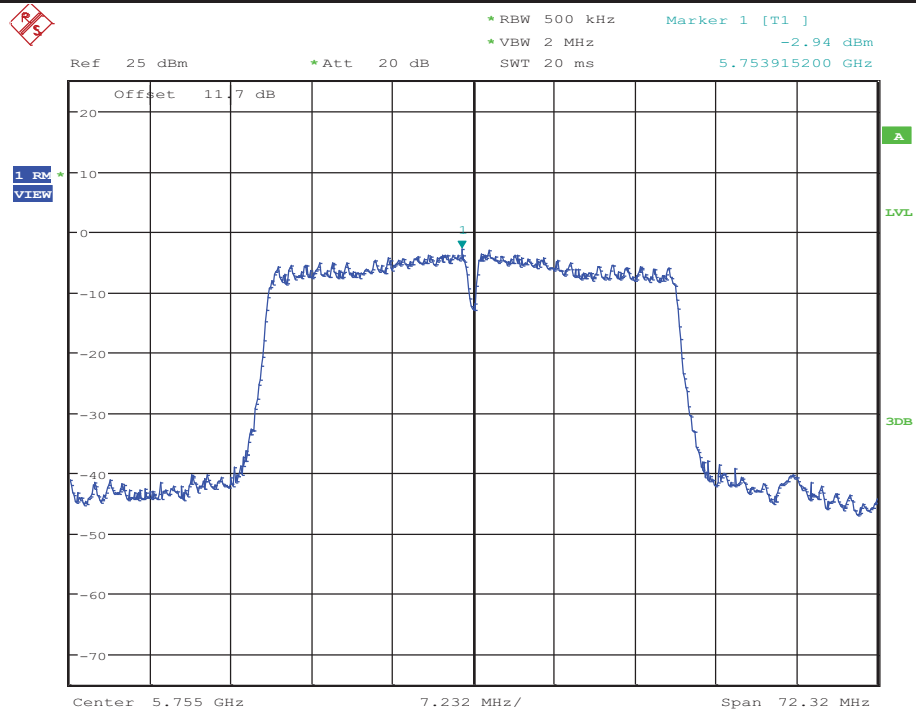
Date: 4.SEP.2017 21:08:38

## Maximum Power Spectral Density\_TNVN\_11N40\_5670\_Ant2



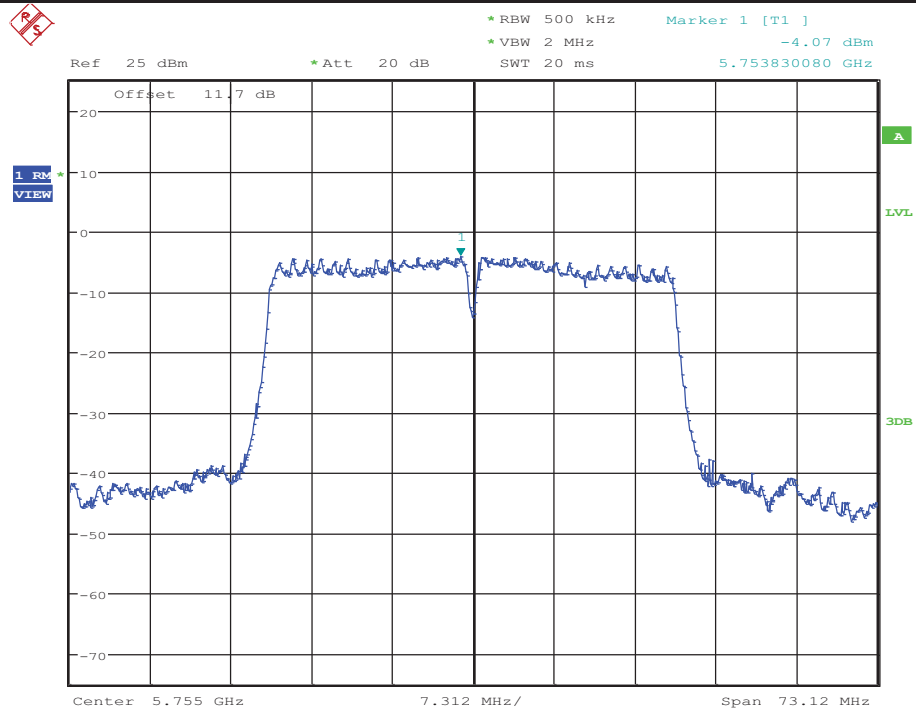
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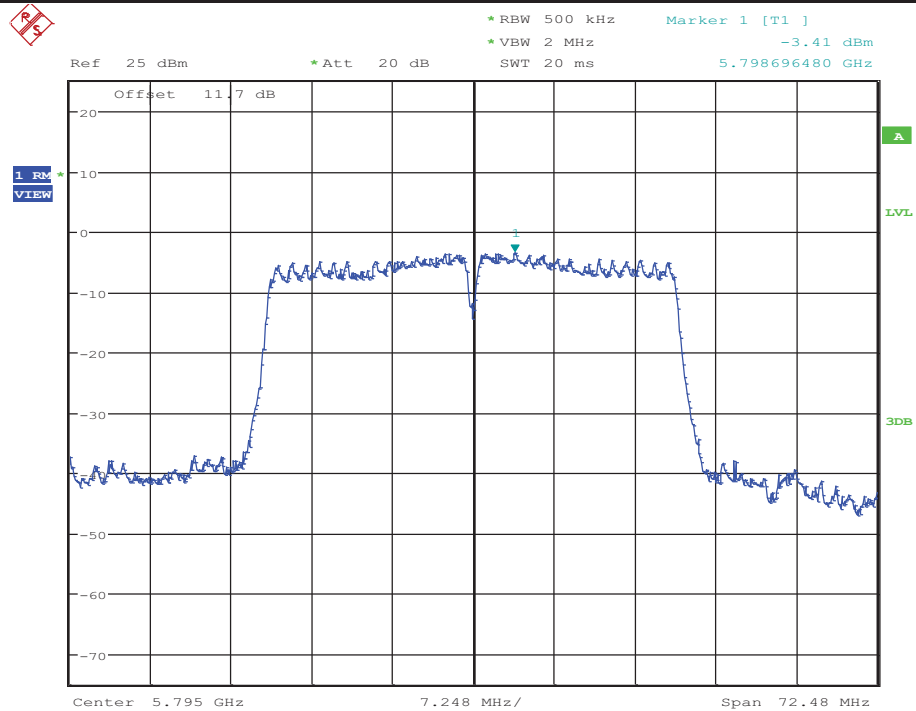
Date: 4.SEP.2017 21:13:06

## Maximum Power Spectral Density\_TNVN\_11N40\_5755\_Ant2



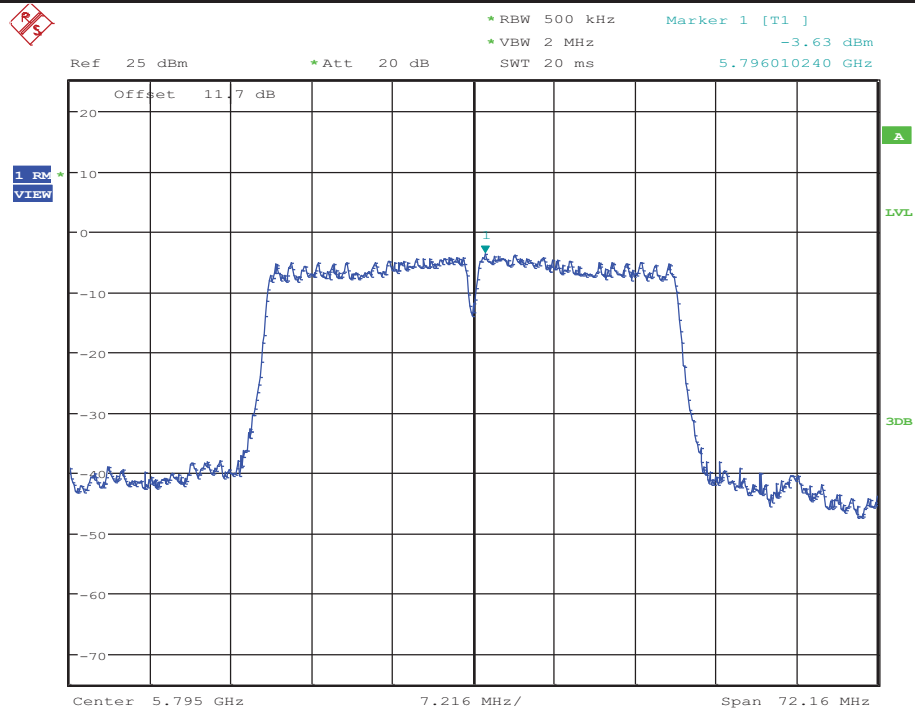
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## Maximum Power Spectral Density\_TNVN\_11N40\_5795\_Ant1



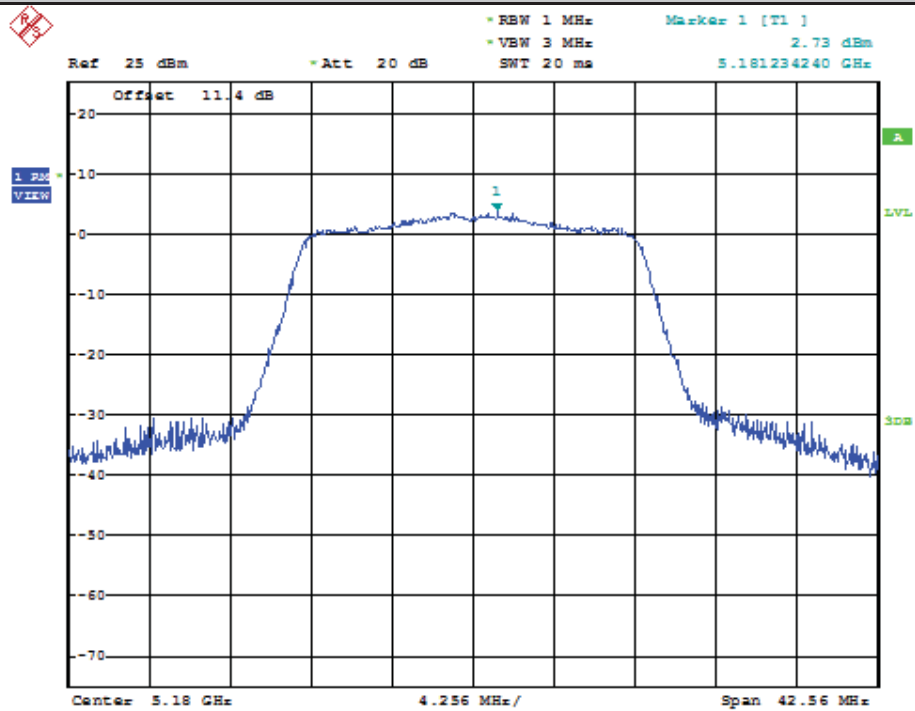
Date: 4.SEP.2017 21:17:29

## Maximum Power Spectral Density\_TNVN\_11N40\_5795\_Ant2



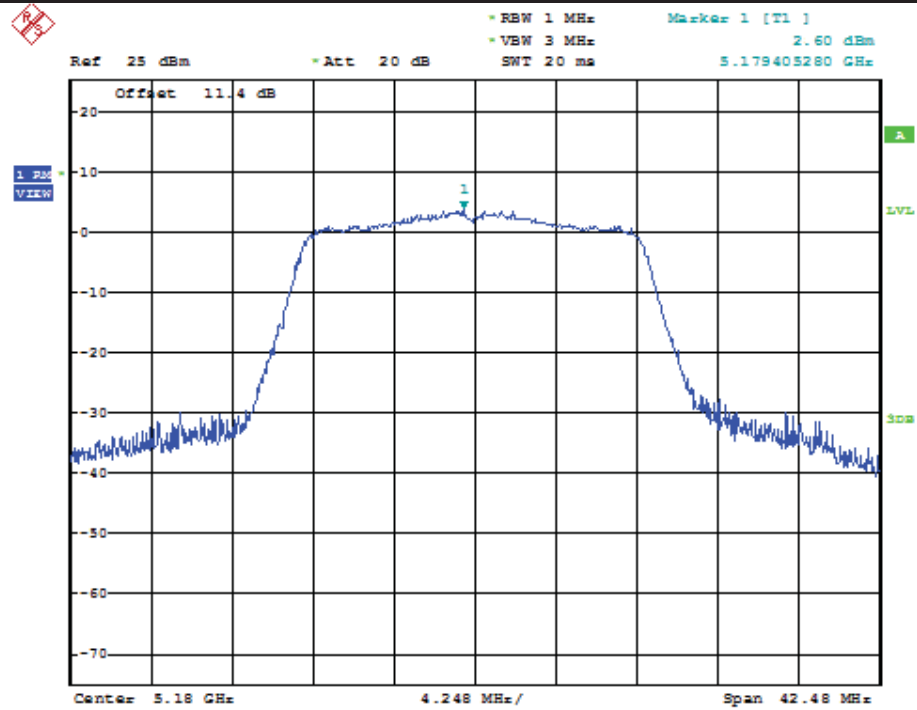
Date: 5.SEP.2017 19:53:45

## Maximum Power Spectral Density\_TNVN\_11AC20\_5180\_Ant1



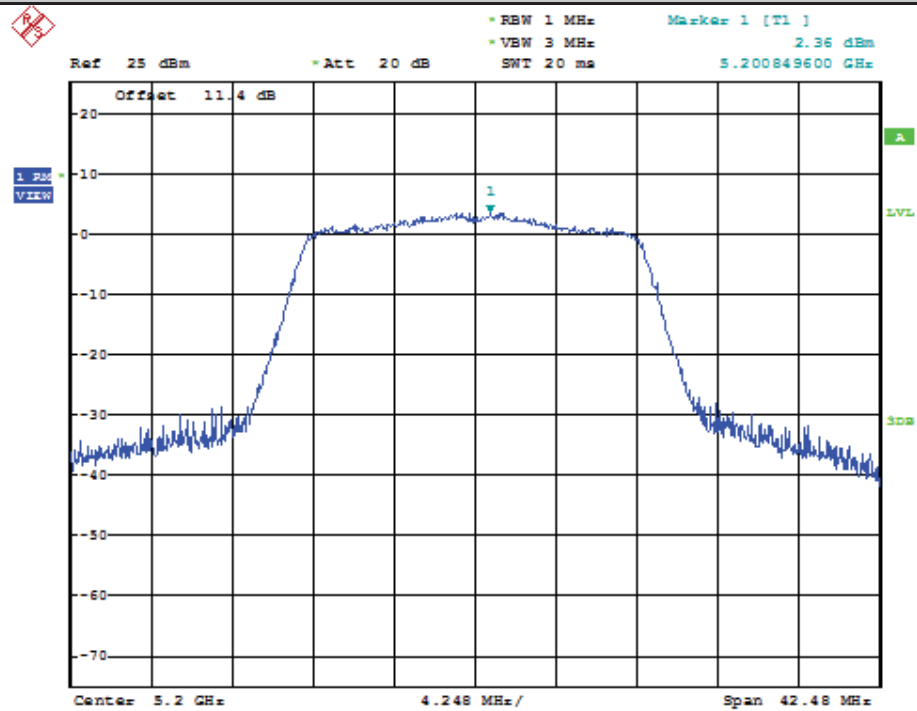
Date: 4.SEP.2017 21:22:43

## Maximum Power Spectral Density\_TNVN\_11AC20\_5180\_Ant2



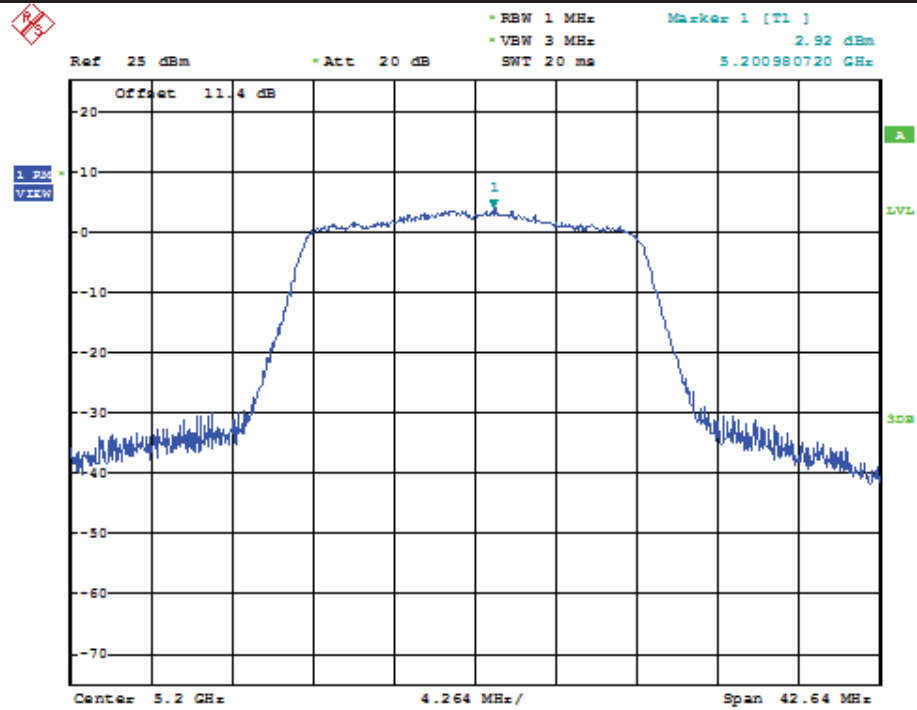
Date: 5.SEP.2017 19:58:41

## Maximum Power Spectral Density\_TNVN\_11AC20\_5200\_Ant1



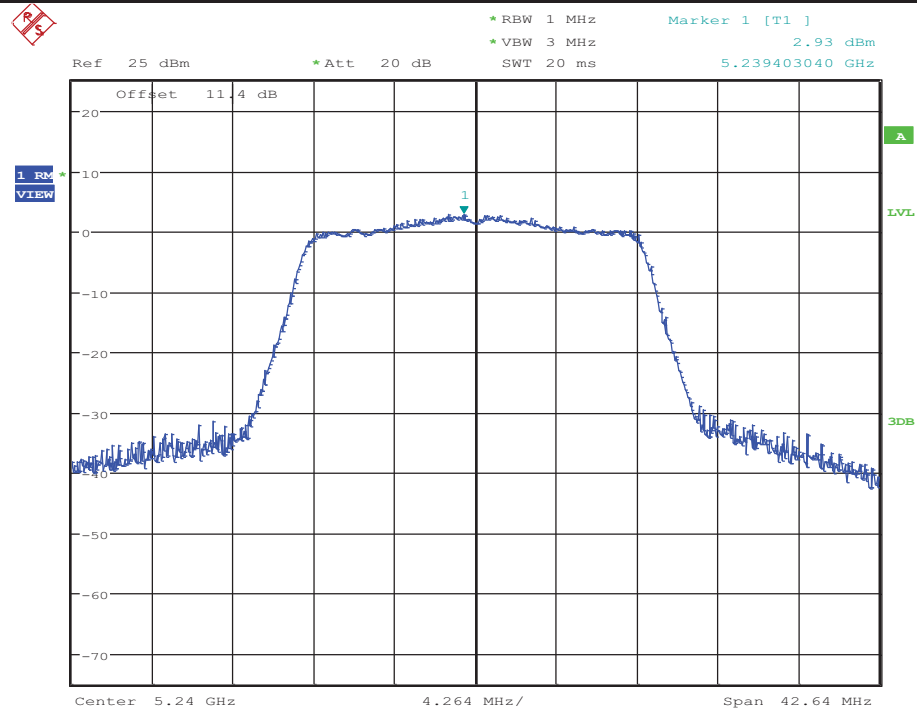
Date: 4.SEP.2017 21:27:43

## Maximum Power Spectral Density\_TNVN\_11AC20\_5200\_Ant2



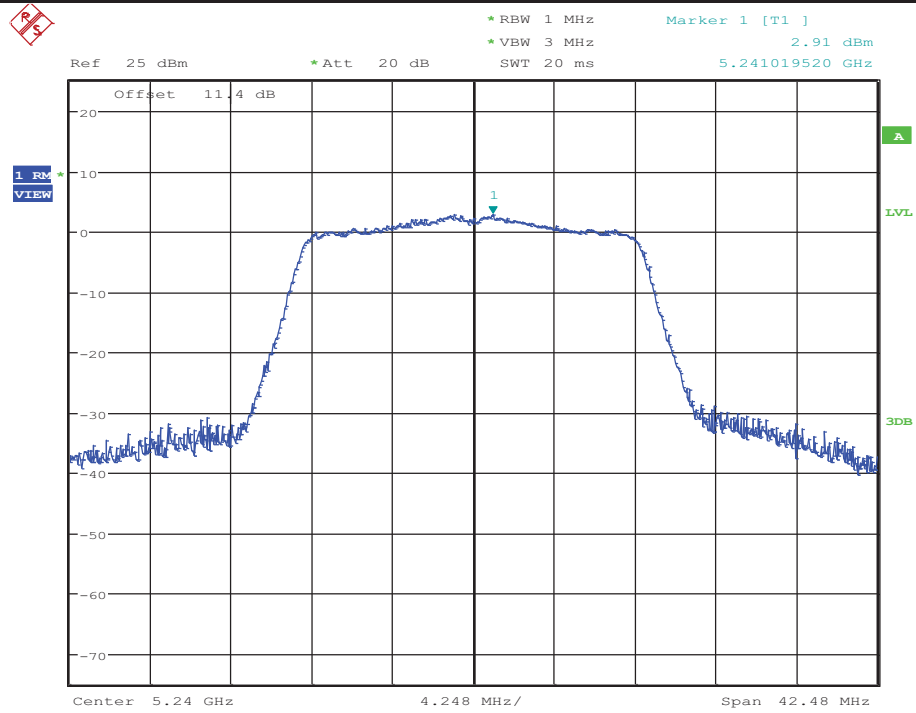
Date: 5.SEP.2017 20:03:41

## Maximum Power Spectral Density\_TNVN\_11AC20\_5240\_Ant1



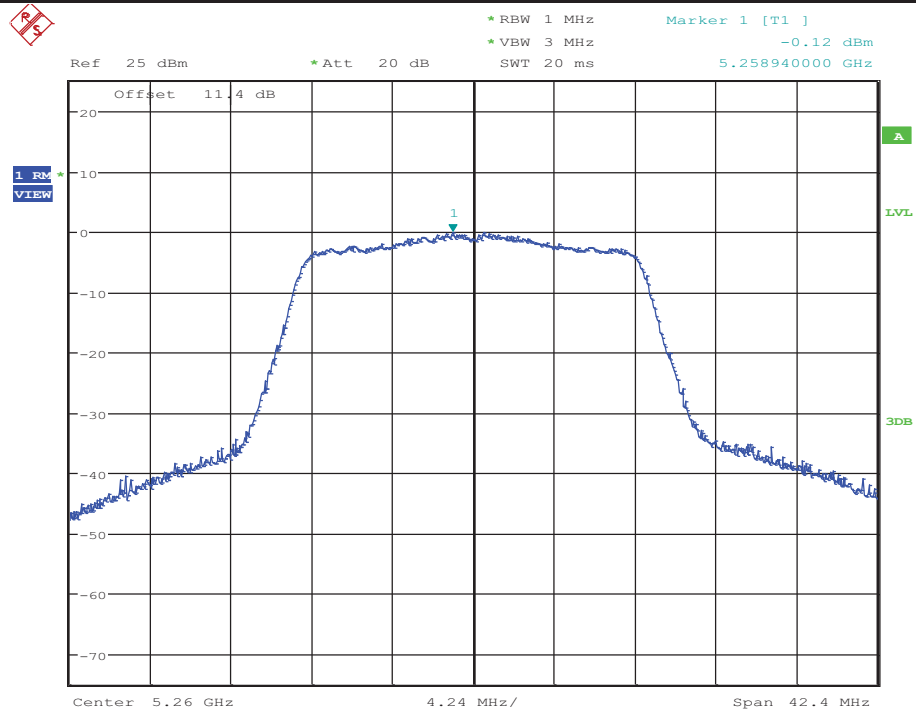
Date: 4.SEP.2017 21:33:38

## Maximum Power Spectral Density\_TNVN\_11AC20\_5240\_Ant2



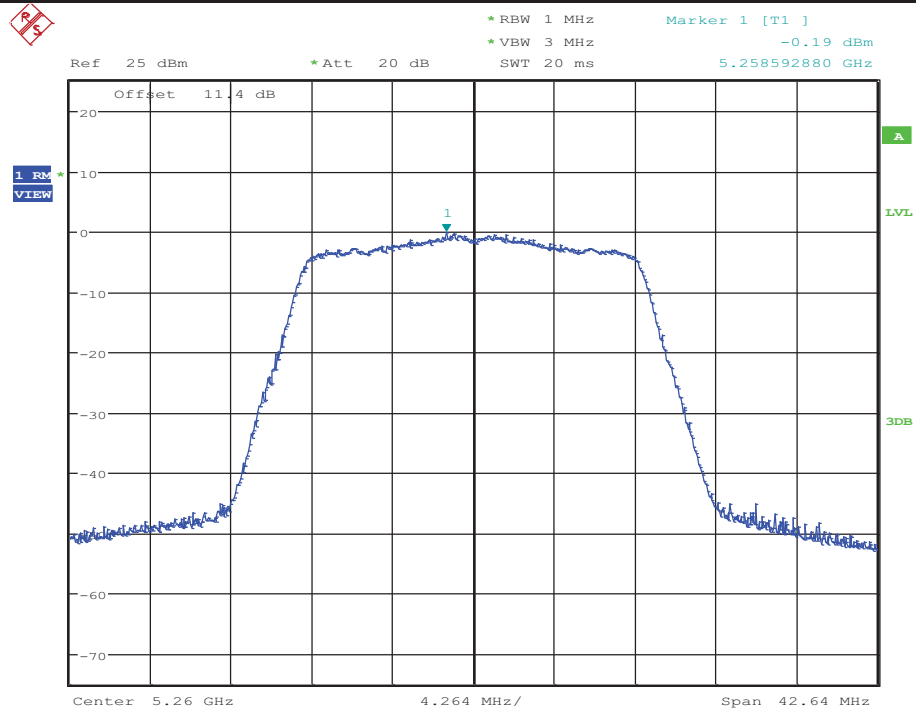
Date: 5.SEP.2017 20:08:07

## Maximum Power Spectral Density\_TNVN\_11AC20\_5260\_Ant1



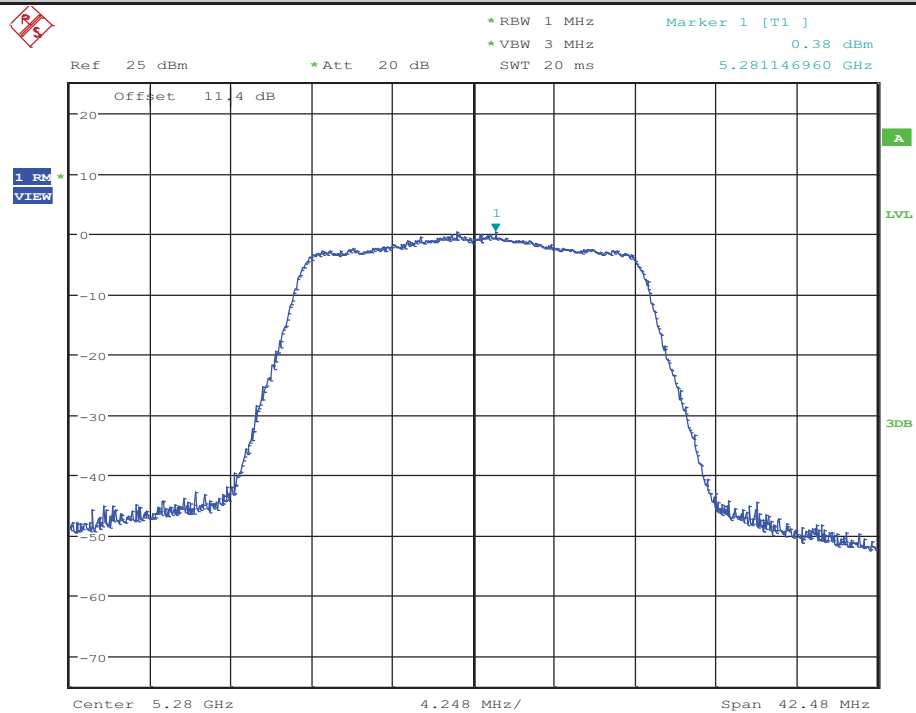
Date: 5.SEP.2017 08:48:33

## Maximum Power Spectral Density\_TNVN\_11AC20\_5260\_Ant2



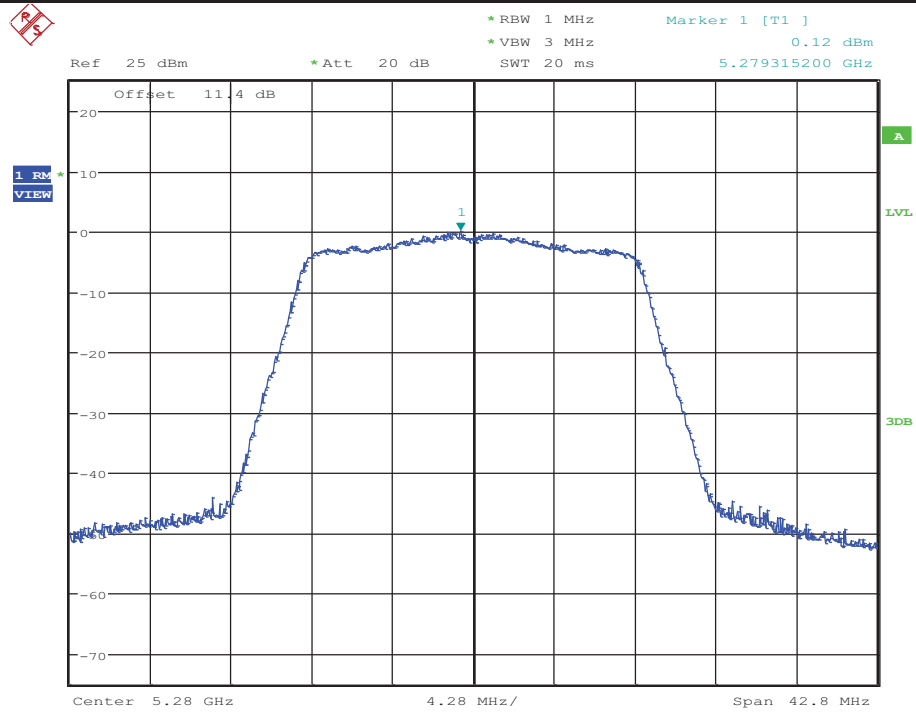
Date: 5.SEP.2017 20:13:07

## Maximum Power Spectral Density\_TNVN\_11AC20\_5280\_Ant1



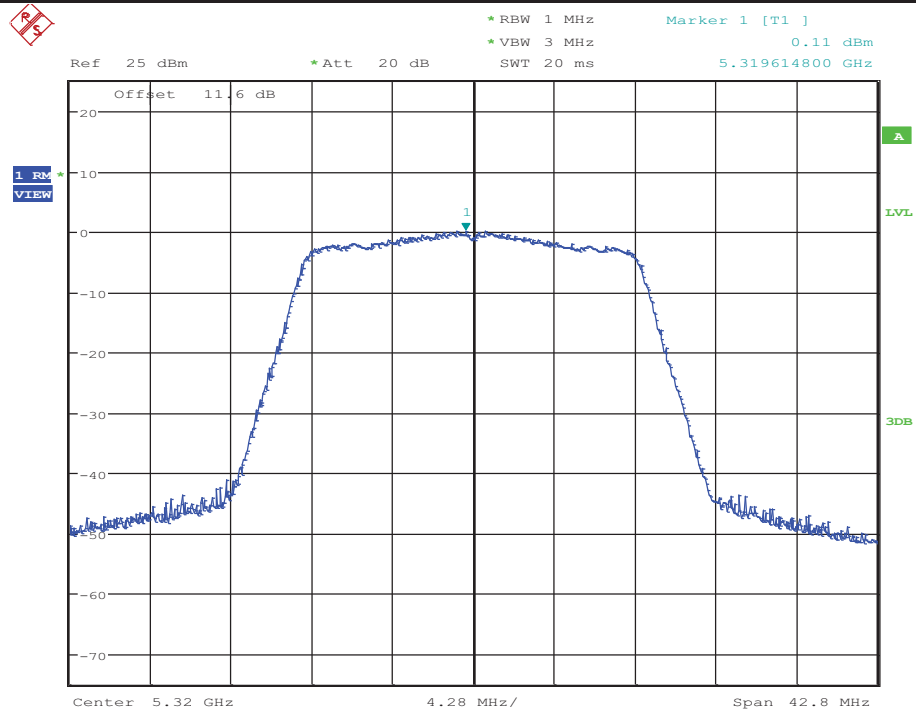
Date: 5.SEP.2017 08:53:50

## Maximum Power Spectral Density\_TNVN\_11AC20\_5280\_Ant2



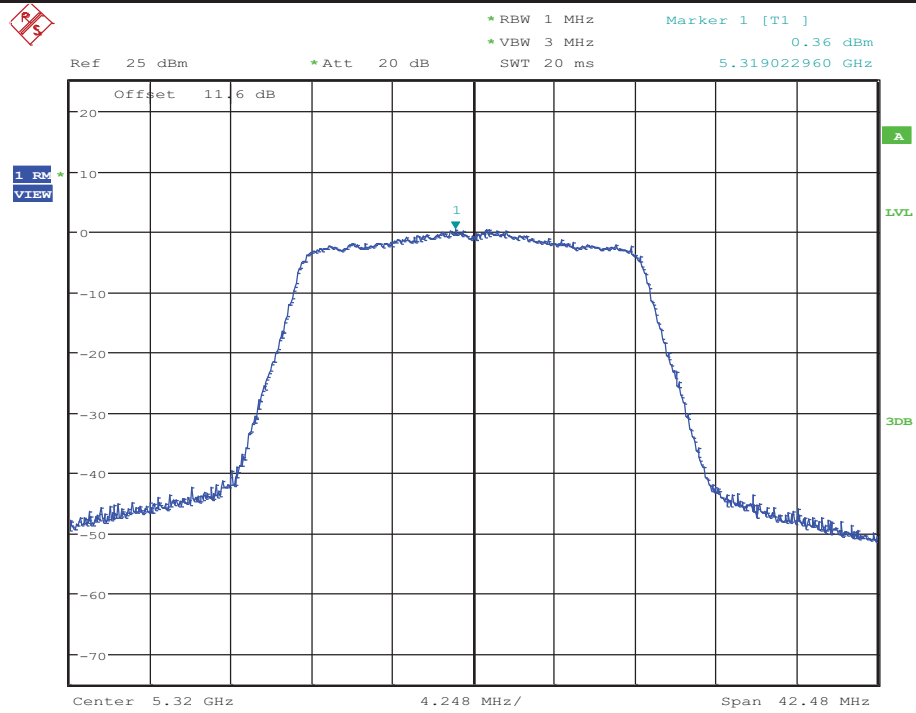
Date: 5.SEP.2017 20:18:42

## Maximum Power Spectral Density\_TNVN\_11AC20\_5320\_Ant1



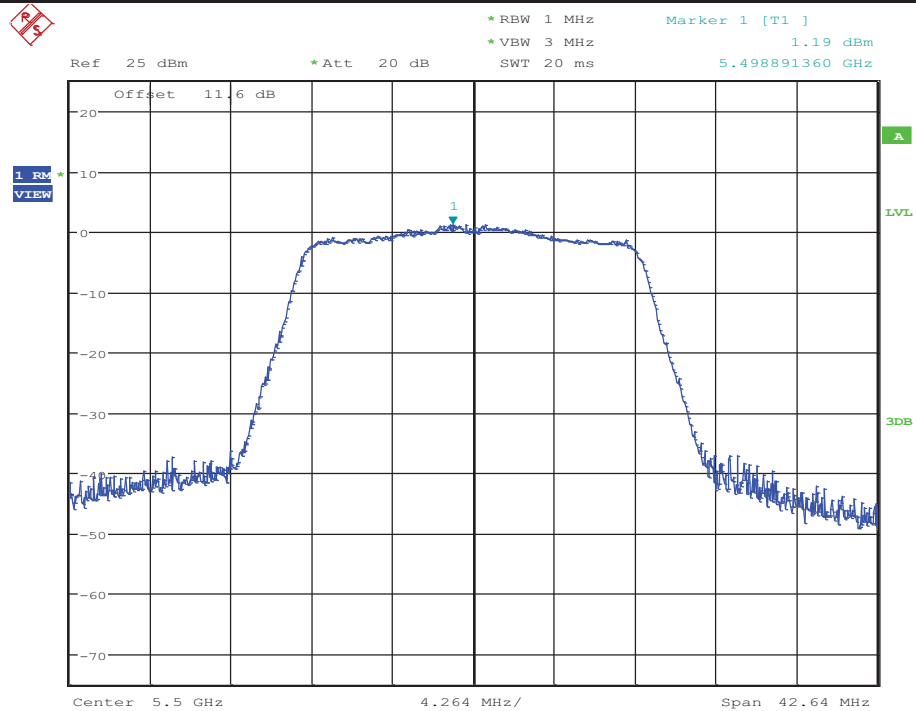
Date: 5.SEP.2017 08:58:18

## Maximum Power Spectral Density\_TNVN\_11AC20\_5320\_Ant2



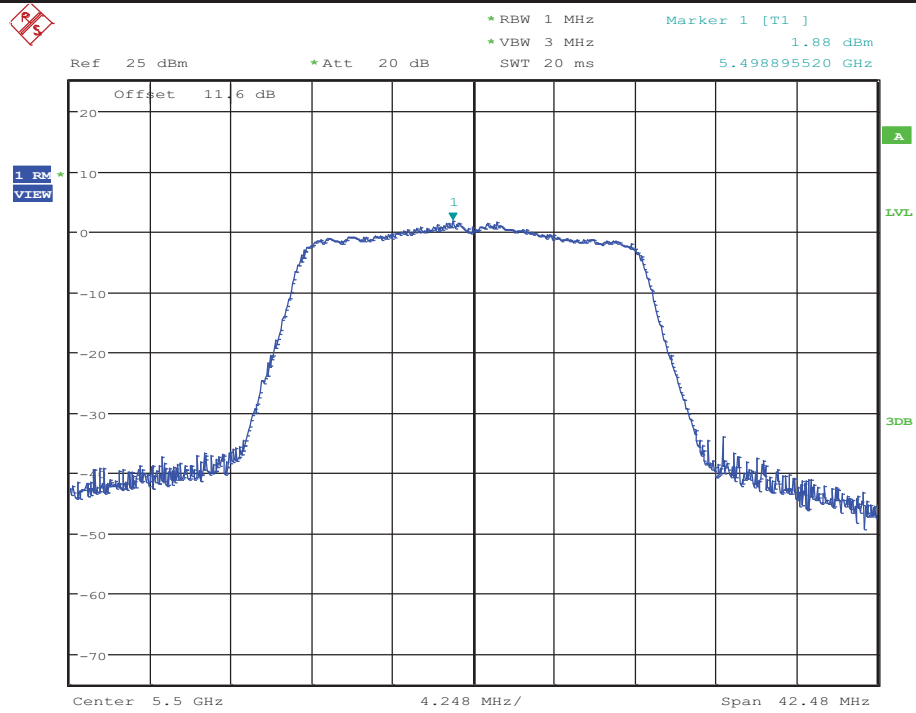
Date: 5.SEP.2017 20:23:08

## Maximum Power Spectral Density\_TNVN\_11AC20\_5500\_Ant1



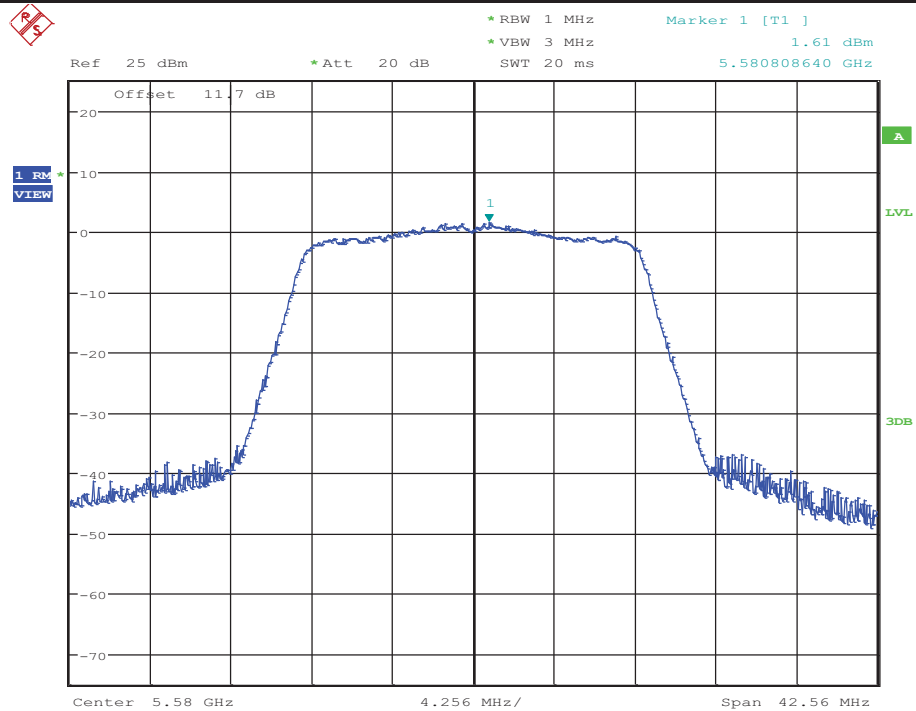
Date: 5.SEP.2017 09:03:20

## Maximum Power Spectral Density\_TNVN\_11AC20\_5500\_Ant2



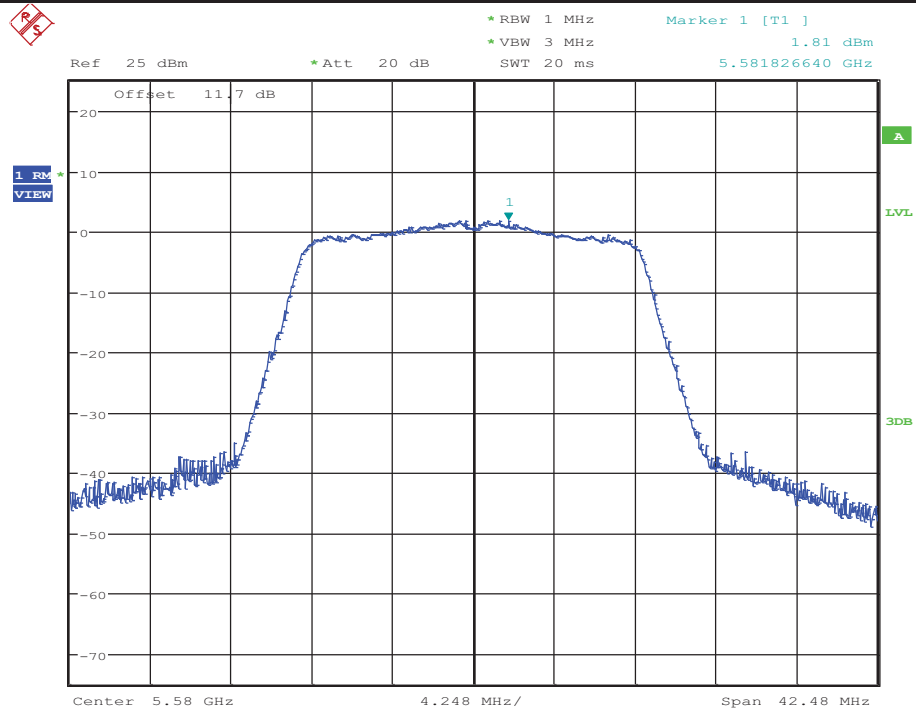
Date: 5.SEP.2017 20:28:16

## Maximum Power Spectral Density\_TNVN\_11AC20\_5580\_Ant1



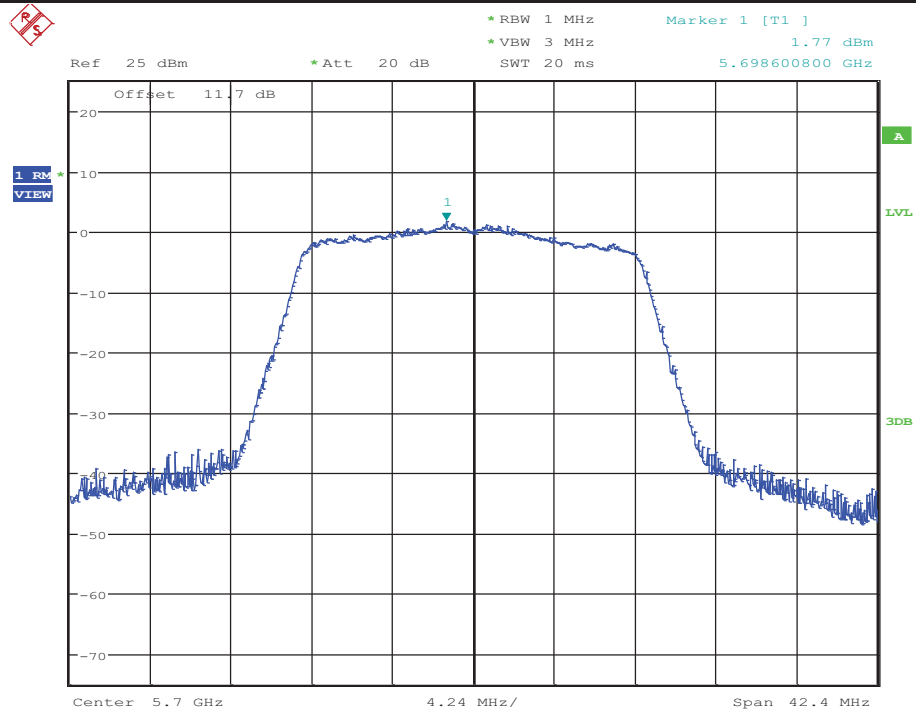
Date: 5.SEP.2017 09:08:20

## Maximum Power Spectral Density\_TNVN\_11AC20\_5580\_Ant2



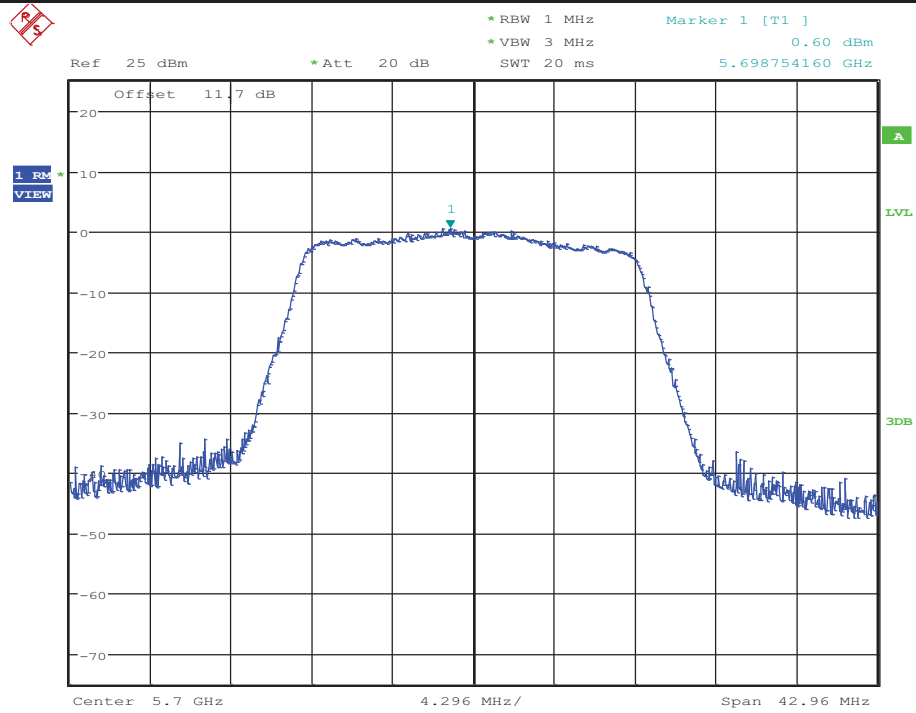
Date: 5.SEP.2017 20:33:23

## Maximum Power Spectral Density\_TNVN\_11AC20\_5700\_Ant1



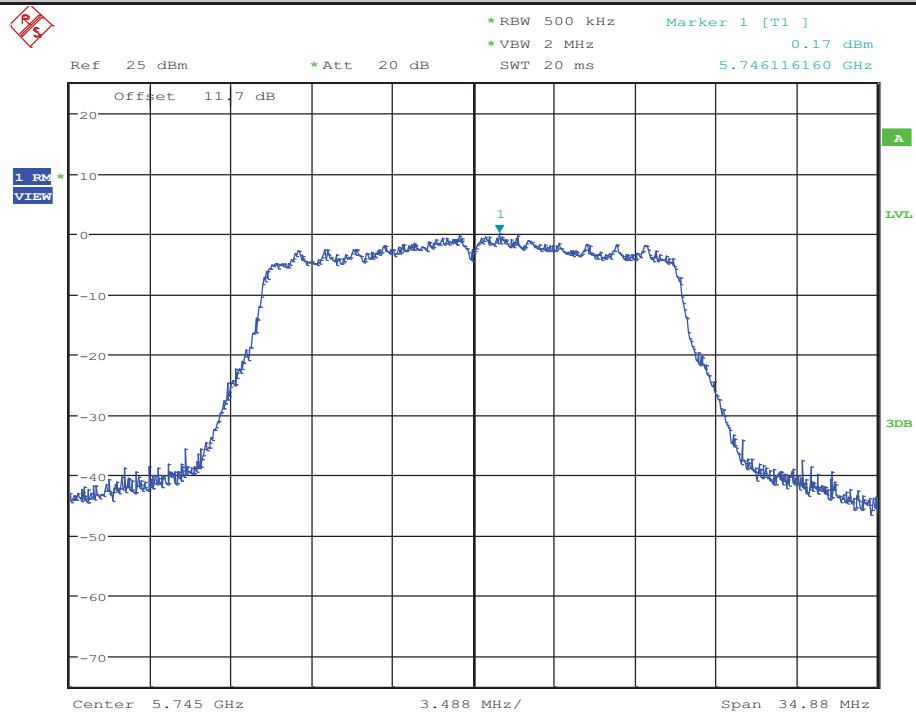
Date: 5.SEP.2017 09:12:47

## Maximum Power Spectral Density\_TNVN\_11AC20\_5700\_Ant2



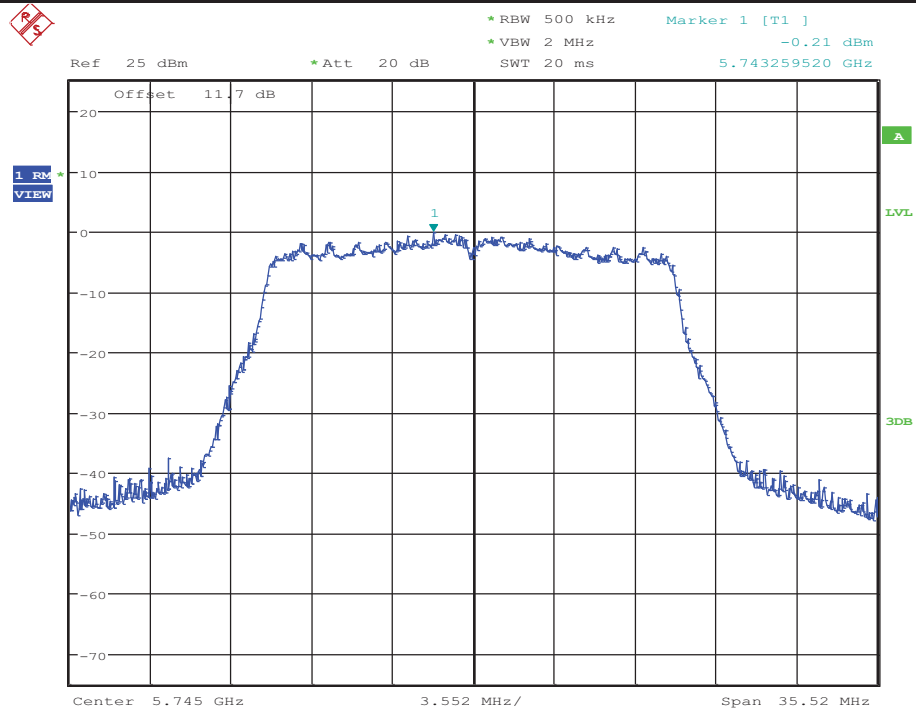
Date: 5.SEP.2017 20:37:50

## Maximum Power Spectral Density\_TNVN\_11AC20\_5745\_Ant1



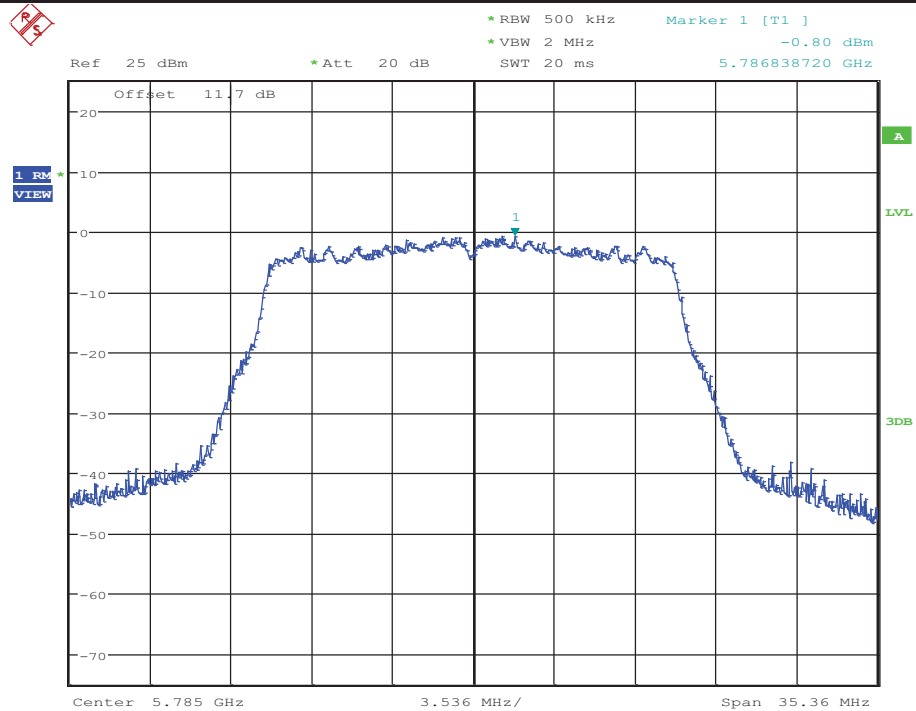
Date: 5.SEP.2017 09:34:43

## Maximum Power Spectral Density\_TNVN\_11AC20\_5745\_Ant2



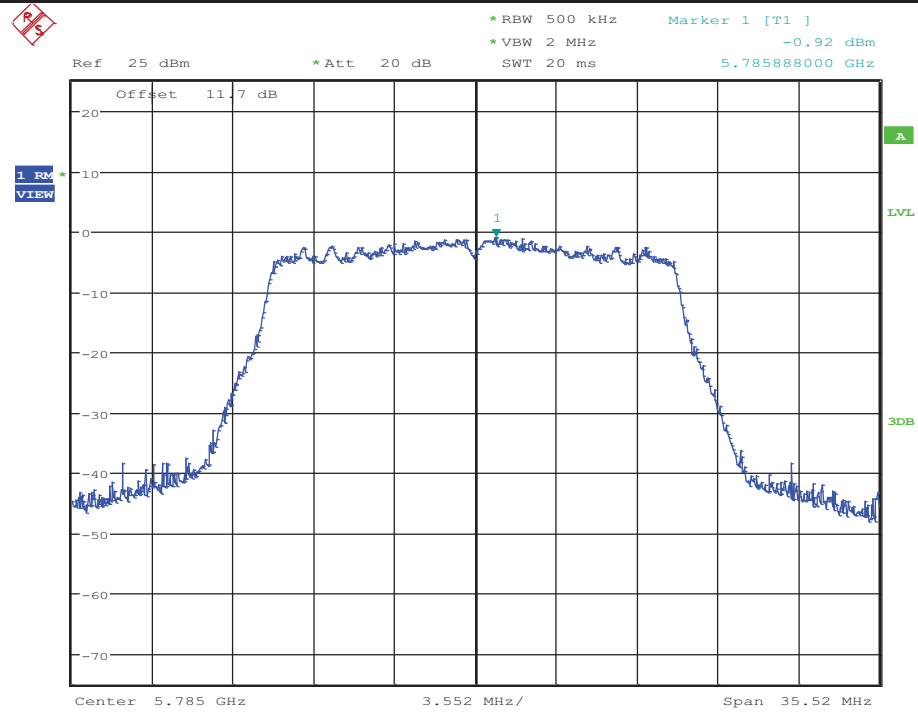
Date: 5.SEP.2017 20:42:15

## Maximum Power Spectral Density\_TNVN\_11AC20\_5785\_Ant1



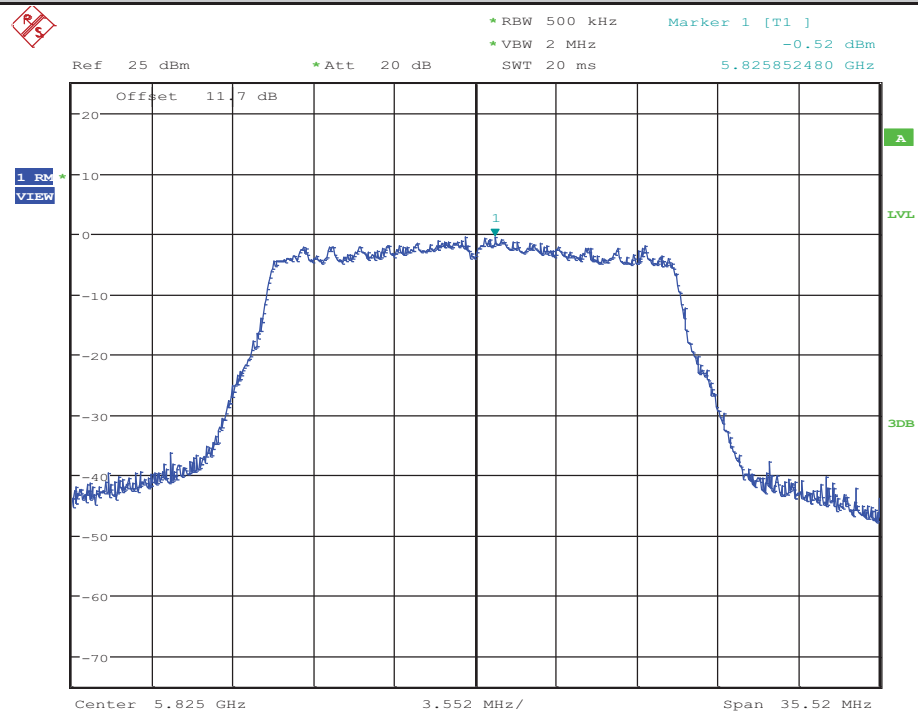
Date: 5.SEP.2017 09:38:46

## Maximum Power Spectral Density\_TNVN\_11AC20\_5785\_Ant2



Date: 5.SEP.2017 20:46:27

## Maximum Power Spectral Density\_TNVN\_11AC20\_5825\_Ant1



Date: 5.SEP.2017 09:42:23