# FCC PART 15.407

# TEST REPORT

For

## Huawei Technologies Co., Ltd.

Administration Building, Headquarters of Huawei Technologies Co.`, Ltd. Bantian, Longgang District, 518129 Shenzhen, PEOPLE'S REPUBLIC OF CHINA

**FCC ID:** QISAP7052DN

| **Report Type:** | **Product Name:** |
|---|---|
| Original Report | Wireless LAN Access Point |

| | |
|---|---|
| **Report Number:** | RDG170921008-00C |
| **Report Date:** | 2018-01-05 |
| **Reviewed By:** | Jerry Zhang<br>EMC Manager |
| **Test Laboratory:** | Bay Area Compliance Laboratories Corp. (Dongguan)<br>No.69 Pulongcun, Puxinhu Industry Area,<br>Tangxia, Dongguan, Guangdong, China<br>Tel: +86-769-86858888<br>Fax: +86-769-86858891<br>www.baclcorp.com.cn |

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# GENERAL INFORMATION

## Product Description for Equipment under Test (EUT)

The Huawei Technologies Co., Ltd.'s product, model number: AP7052DN***(FCC ID: QISAP7052DN)*** (the "EUT") in this report was a ***Wireless LAN Access Point***, which was measured approximately: 22.3 cm (H) x 21.9 cm (W) x 6.2 cm (D), rated input voltage: DC 48 V from AC/DC adapter or DC 48V form POE adapter.

**All measurement and test data in this report was gathered from production sample serial number: 170921008 (Assigned by BACL, Kunshan). The EUT was received on 2016-09-21.*

## Objective

This type approval report is prepared on behalf of ***Huawei Technologies Co., Ltd.*** in accordance with Part 2-Subpart J, Part 15-Subparts A, and E of the Federal Communications Commission's rules.

The tests were performed in order to determine compliance with FCC Rules Part 15, Subpart E, section 15.203, 15.205, 15.207, 15.209 and 15.407 rules.

## Related Submittal(s)/Grant(s)

FCC Part 15B JBP submissions with FCC ID: QISAP7052DN.
FCC Part 15C DTS submissions with FCC ID: QISAP7052DN.

## Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And KDB 789033 D02 General U-NII Test Procedures New Rules v01r04

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Dongguan).

## Measurement Uncertainty

| Parameter | Measurement Uncertainty |
|---|---|
| Occupied Channel Bandwidth | ±5 % |
| RF output power, conducted | ±0.61dB |
| Power Spectral Density, conducted | ±0.61 dB |
| Unwanted Emissions, radiated | 30M~200MHz: 4.58 dB for Horizontal, 4.59 dB for Vertical<br>200M~1GHz: 4.83 dB for Horizontal, 5.85 dB for Vertical<br>1G~6GHz: 4.45 dB, 6G~40GHz: 5.23 dB |
| Unwanted Emissions,conducted | ±1.5 dB |
| Temperature | ±1℃ |
| Humidity | ±5% |
| DC and low frequency voltages | ±0.4% |
| Duty Cycle | 1% |
| AC Power Lines Conducted Emission | 3.12 dB (150 kHz to 30 MHz) |

## Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218,the FCC Designation No. : CN1220.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062D.

# SYSTEM TEST CONFIGURATION

## Description of Test Configuration

The EUT was configured for testing in an engineering mode which was provided by the manufacturer.

The device has 3 radios, radio 0 works in WLAN 5GHz Low band(5180-5320MHz), Radio 1 works in WLAN 2.4G band(2412-2462MHz) and 5G whole band(5180-5320MHz&5500-5825MHz), Radio 2 works in Bluetooth LE mode(2402-2480MHz).

The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80 and ac vht 80+80, all modes supports both beamforming and non-beamforming modes.

5150~5250 MHz band, 7 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 36 | 5180 | 44 | 5220 |
| 38 | 5190 | 46 | 5230 |
| 40 | 5200 | 48 | 5240 |
| 42 | 5210 | / | / |

For 5725~5850MHz band, 8 channels are provided to testing:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 149 | 5745 | 157 | 5785 |
| 151 | 5755 | 159 | 5795 |
| 153 | 5765 | 161 | 5805 |
| 155 | 5775 | 165 | 5825 |

The worst-case data rates are determined to be as follows for each mode based upon investigations by measuring the average power and PSD aCrossed all data rates bandwidths, and modulations. Preliminary tests were perfrmed in difference data rate and all the possible configurations, the worst cases as below table and shown in the report.

**For Radio 0:**

| Configurations | Test Mode | Data Rate | Channel | Antenna Chain |
|---|---|---|---|---|
| 1TX | 802.11a | 6Mbps | 36, 40, 48 | 0, 1, 2, 3 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48 | 0, 1, 2, 3 |
| | 802.11n ht40 | MCS0_40 | 38, 46 | 0, 1, 2, 3 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48 | 0, 1, 2, 3 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46 | 0, 1, 2, 3 |
| | 802.11ac 80 | AC_MCS0_80 | 42 | 0, 1, 2, 3 |
| 2TX Non-Beamforming | 802.11a | 6Mbps | 36, 40, 48 | 0+1 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48 | 0+1 |
| | 802.11n ht40 | MCS0_40 | 38, 46 | 0+1 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48 | 0+1 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46 | 0+1 |
| | 802.11ac 80 | AC_MCS0_80 | 42 | 0+1 |
| 3TX Non-Beamforming | 802.11a | 6Mbps | 36, 40, 48 | 0+1+2 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48 | 0+1+2 |
| | 802.11n ht40 | MCS0_40 | 38, 46 | 0+1+2 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48 | 0+1+2 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46 | 0+1+2 |
| | 802.11ac 80 | AC_MCS0_80 | 42 | 0+1+2 |
| 4TX Non-Beamforming | 802.11a | 6Mbps | 36, 40, 48 | 0+1+2+3 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48 | 0+1+2+3 |
| | 802.11n ht40 | MCS0_40 | 38, 46 | 0+1+2+3 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48 | 0+1+2+3 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46 | 0+1+2+3 |
| | 802.11ac 80 | AC_MCS0_80 | 42 | 0+1+2+3 |

| Configurations | Test Mode | Data Rate | Channel | Antenna Chain |
|---|---|---|---|---|
| 2TX Beamforming | 802.11a | 6Mbps | 36, 40, 48 | 0+1 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48 | 0+1 |
| | 802.11n ht40 | MCS0_40 | 38, 46 | 0+1 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48 | 0+1 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46 | 0+1 |
| | 802.11ac 80 | AC_MCS0_80 | 42 | 0+1 |
| 3TX Beamforming | 802.11a | 6Mbps | 36, 40, 48 | 0+1+2 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48 | 0+1+2 |
| | 802.11n ht40 | MCS0_40 | 38, 46 | 0+1+2 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48 | 0+1+2 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46 | 0+1+2 |
| | 802.11ac 80 | AC_MCS0_80 | 42 | 0+1+2 |
| 4TX Beamforming | 802.11a | 6Mbps | 36, 40, 48 | 0+1+2+3 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48 | 0+1+2+3 |
| | 802.11n ht40 | MCS0_40 | 38, 46 | 0+1+2+3 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48 | 0+1+2+3 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46 | 0+1+2+3 |
| | 802.11ac 80 | AC_MCS0_80 | 42 | 0+1+2+3 |

**For Radio 1:**

| Configurations | Test Mode | Data Rate | Channel | Antenna Chain |
|---|---|---|---|---|
| 1TX | 802.11a | 6Mbps | 36, 40, 48, 149,157, 165 | 0, 1, 2, 3 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48, 149,157, 165 | 0, 1, 2, 3 |
| | 802.11n ht40 | MCS0_40 | 38, 46, 151, 159 | 0, 1, 2, 3 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48, 149,157, 165 | 0, 1, 2, 3 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46, 151, 159 | 0, 1, 2, 3 |
| | 802.11ac 80 | AC_MCS0_80 | 42, 155 | 0, 1, 2, 3 |
| 2TX Non-Beamforming | 802.11a | 6Mbps | 36, 40, 48, 149,157, 165 | 0+1 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1 |
| | 802.11n ht40 | MCS0_40 | 38, 46, 151, 159 | 0+1 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46, 151, 159 | 0+1 |
| | 802.11ac 80 | AC_MCS0_80 | 42, 155 | 0+1 |
| 3TX Non-Beamforming | 802.11a | 6Mbps | 36, 40, 48, 149,157, 165 | 0+1+2 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1+2 |
| | 802.11n ht40 | MCS0_40 | 38, 46, 151, 159 | 0+1+2 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1+2 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46, 151, 159 | 0+1+2 |
| | 802.11ac 80 | AC_MCS0_80 | 42, 155 | 0+1+2 |

| Configurations | Test Mode | Data Rate | Channel | Antenna Chain |
|---|---|---|---|---|
| 4TX Non-Beamforming | 802.11a | 6Mbps | 36, 40, 48, 149,157, 165 | 0+1+2+3 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1+2+3 |
| | 802.11n ht40 | MCS0_40 | 38, 46, 151, 159 | 0+1+2+3 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1+2+3 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46, 151, 159 | 0+1+2+3 |
| | 802.11ac 80 | AC_MCS0_80 | 42, 155 | 0+1+2+3 |
| 80+80 Non-Beamforming | 802.11ac 80+80 | AC_MCS0_160 | 42+155 | 0+2,1+3 |
| 2TX Beamforming | 802.11a | 6Mbps | 36, 40, 48, 149,157, 165 | 0+1 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1 |
| | 802.11n ht40 | MCS0_40 | 38, 46, 151, 159 | 0+1 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46, 151, 159 | 0+1 |
| | 802.11ac 80 | AC_MCS0_80 | 42, 155 | 0+1 |
| 3TX Beamforming | 802.11a | 6Mbps | 36, 40, 48, 149,157, 165 | 0+1+2 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1+2 |
| | 802.11n ht40 | MCS0_40 | 38, 46, 151, 159 | 0+1+2 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1+2 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46, 151, 159 | 0+1+2 |
| | 802.11ac 80 | AC_MCS0_80 | 42, 155 | 0+1+2 |
| 4TX Beamforming | 802.11a | 6Mbps | 36, 40, 48, 149,157, 165 | 0+1+2+3 |
| | 802.11n ht20 | MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1+2+3 |
| | 802.11n ht40 | MCS0_40 | 38, 46, 151, 159 | 0+1+2+3 |
| | 802.11ac 20 | AC_MCS0_20 | 36, 40, 48, 149,157, 165 | 0+1+2+3 |
| | 802.11ac 40 | AC_MCS0_40 | 38, 46, 151, 159 | 0+1+2+3 |
| | 802.11ac 80 | AC_MCS0_80 | 42, 155 | 0+1+2+3 |
| 80+80 Beamforming | 802.11ac 80+80 | AC_MCS0_160 | 42+155 | 0+2,1+3 |

Note: for 802.11ac 80+80 mode, all channel configuration modes were listed and tested.

## EUT Exercise Software

The QSPR.exe was used for testing, and the commands were provided by manufacturer.

**Radio 0: Band: 5150~5250MHz**

**1TX:**

| Software and version | | | QSPR.exe | | | | |
|---|---|---|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level | | | |
| | | | | Chain 0 | Chain 1 | Chain 2 | Chain3 |
| 802.11 a | Low | 5180 | 6 | 15 | 15 | 15 | 15 |
| | Middle | 5200 | 6 | 15 | 15 | 15 | 15 |
| | High | 5240 | 6 | 15 | 15 | 15 | 15 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 15 | 15 | 15 | 15 |
| | Middle | 5200 | MCS0_20 | 15 | 15 | 15 | 15 |
| | High | 5240 | MCS0_20 | 15 | 15 | 15 | 15 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 14 | 14 | 14 | 14 |
| | High | 5230 | MCS0_40 | 14 | 14 | 14 | 14 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 15 | 15 | 15 | 15 |
| | Middle | 5200 | AC_MCS0_20 | 15 | 15 | 15 | 15 |
| | High | 5240 | AC_MCS0_20 | 15 | 15 | 15 | 15 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 14 | 14 | 14 | 14 |
| | High | 5230 | AC_MCS0_40 | 14 | 14 | 14 | 14 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 13 | 13 | 13 | 13 |

**2TX Non-beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level |
| | | | | Chain 0&1 |
| 802.11 a | Low | 5180 | 6 | 15 |
| | Middle | 5200 | 6 | 15 |
| | High | 5240 | 6 | 15 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 15 |
| | Middle | 5200 | MCS0_20 | 15 |
| | High | 5240 | MCS0_20 | 15 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 14 |
| | High | 5230 | MCS0_40 | 14 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 15 |
| | Middle | 5200 | AC_MCS0_20 | 15 |
| | High | 5240 | AC_MCS0_20 | 15 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 13 |
| | High | 5230 | AC_MCS0_40 | 14 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 13 |

**3TX Non-beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level |
| | | | | Chain 0&1&2 |
| 802.11 a | Low | 5180 | 6 | 15 |
| | Middle | 5200 | 6 | 15 |
| | High | 5240 | 6 | 15 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 13 |
| | Middle | 5200 | MCS0_20 | 15 |
| | High | 5240 | MCS0_20 | 15 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 12 |
| | High | 5230 | MCS0_40 | 14 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 14 |
| | Middle | 5200 | AC_MCS0_20 | 15 |
| | High | 5240 | AC_MCS0_20 | 15 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 12 |
| | High | 5230 | AC_MCS0_40 | 14 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 13 |

**4TX Non-beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level |
| | | | | Chain 0&1&2&3 |
| 802.11 a | Low | 5180 | 6 | 15 |
| | Middle | 5200 | 6 | 15 |
| | High | 5240 | 6 | 15 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 12 |
| | Middle | 5200 | MCS0_20 | 15 |
| | High | 5240 | MCS0_20 | 15 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 12 |
| | High | 5230 | MCS0_40 | 14 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 12 |
| | Middle | 5200 | AC_MCS0_20 | 15 |
| | High | 5240 | AC_MCS0_20 | 15 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 14 |
| | High | 5230 | AC_MCS0_40 | 12 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 12 |

**2TX with beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level |
| | | | | Chain 0&1 |
| 802.11 a | Low | 5180 | 6 | 15 |
| | Middle | 5200 | 6 | 15 |
| | High | 5240 | 6 | 15 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 15 |
| | Middle | 5200 | MCS0_20 | 15 |
| | High | 5240 | MCS0_20 | 15 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 14 |
| | High | 5230 | MCS0_40 | 14 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 13 |
| | Middle | 5200 | AC_MCS0_20 | 15 |
| | High | 5240 | AC_MCS0_20 | 15 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 12 |
| | High | 5230 | AC_MCS0_40 | 14 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 12 |

**3TX with beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level |
| | | | | Chain 0&1&2 |
| 802.11 a | Low | 5180 | 6 | 15 |
| | Middle | 5200 | 6 | 15 |
| | High | 5240 | 6 | 15 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 12 |
| | Middle | 5200 | MCS0_20 | 15 |
| | High | 5240 | MCS0_20 | 15 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 11 |
| | High | 5230 | MCS0_40 | 14 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 13 |
| | Middle | 5200 | AC_MCS0_20 | 15 |
| | High | 5240 | AC_MCS0_20 | 15 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 11 |
| | High | 5230 | AC_MCS0_40 | 14 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 13 |

**4TX with beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level |
| | | | | Chain 0&1&2&3 |
| 802.11 a | Low | 5180 | 6 | 15 |
| | Middle | 5200 | 6 | 15 |
| | High | 5240 | 6 | 15 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 12 |
| | Middle | 5200 | MCS0_20 | 15 |
| | High | 5240 | MCS0_20 | 15 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 12 |
| | High | 5230 | MCS0_40 | 14 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 12 |
| | Middle | 5200 | AC_MCS0_20 | 15 |
| | High | 5240 | AC_MCS0_20 | 15 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 11 |
| | High | 5230 | AC_MCS0_40 | 14 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 11 |

**Radio 1: Band: 5150~5250MHz&5725~5850MHz**

**1TX:**

| Software and version | | | QSPR.exe | | | | |
|---|---|---|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level | | | |
| | | | | Chain 0 | Chain 1 | Chain 2 | Chain3 |
| 802.11 a | Low | 5180 | 6 | 18 | 18 | 18 | 18 |
| | Middle | 5200 | 6 | 18 | 18 | 18 | 18 |
| | High | 5240 | 6 | 18 | 18 | 18 | 18 |
| | Low | 5745 | MCS0 | 18 | 18 | 18 | 18 |
| | Middle | 5785 | MCS0 | 18 | 18 | 18 | 18 |
| | High | 5825 | MCS0 | 18 | 18 | 18 | 18 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 18 | 18 | 18 | 18 |
| | Middle | 5200 | MCS0_20 | 18 | 18 | 18 | 18 |
| | High | 5240 | MCS0_20 | 18 | 18 | 18 | 18 |
| | Low | 5745 | MCS0_20 | 18 | 18 | 18 | 18 |
| | Middle | 5785 | MCS0_20 | 18 | 18 | 18 | 18 |
| | High | 5825 | MCS0_20 | 18 | 18 | 18 | 18 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 17 | 17 | 17 | 17 |
| | High | 5230 | MCS0_40 | 17 | 17 | 17 | 17 |
| | Low | 5755 | MCS0_40 | 17 | 17 | 17 | 17 |
| | High | 5795 | MCS0_40 | 17 | 17 | 17 | 17 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 18 | 18 | 18 | 18 |
| | Middle | 5200 | AC_MCS0_20 | 18 | 18 | 18 | 18 |
| | High | 5240 | AC_MCS0_20 | 18 | 18 | 18 | 18 |
| | Low | 5745 | AC_MCS0_20 | 18 | 18 | 18 | 18 |
| | Middle | 5785 | AC_MCS0_20 | 18 | 18 | 18 | 18 |
| | High | 5825 | AC_MCS0_20 | 18 | 18 | 18 | 18 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 17 | 17 | 17 | 17 |
| | High | 5230 | AC_MCS0_40 | 17 | 17 | 17 | 17 |
| | Low | 5755 | AC_MCS0_40 | 17 | 17 | 17 | 17 |
| | High | 5795 | AC_MCS0_40 | 17 | 17 | 17 | 17 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 16 | 16 | 16 | 16 |
| | Middle | 5775 | AC_MCS0_80 | 16 | 16 | 16 | 16 |

**2TX Non-beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level Chain 0&1 |
| 802.11 a | Low | 5180 | 6 | 18 |
| | Middle | 5200 | 6 | 18 |
| | High | 5240 | 6 | 18 |
| | Low | 5745 | MCS0 | 18 |
| | Middle | 5785 | MCS0 | 18 |
| | High | 5825 | MCS0 | 18 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 18 |
| | Middle | 5200 | MCS0_20 | 18 |
| | High | 5240 | MCS0_20 | 18 |
| | Low | 5745 | MCS0_20 | 18 |
| | Middle | 5785 | MCS0_20 | 18 |
| | High | 5825 | MCS0_20 | 18 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 15 |
| | High | 5230 | MCS0_40 | 17 |
| | Low | 5755 | MCS0_40 | 16 |
| | High | 5795 | MCS0_40 | 17 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 18 |
| | Middle | 5200 | AC_MCS0_20 | 18 |
| | High | 5240 | AC_MCS0_20 | 18 |
| | Low | 5745 | AC_MCS0_20 | 18 |
| | Middle | 5785 | AC_MCS0_20 | 18 |
| | High | 5825 | AC_MCS0_20 | 18 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 15 |
| | High | 5230 | AC_MCS0_40 | 17 |
| | Low | 5755 | AC_MCS0_40 | 17 |
| | High | 5795 | AC_MCS0_40 | 17 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 11 |
| | Middle | 5775 | AC_MCS0_80 | 16 |

**3TX Non-beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level Chain 0&1&2 |
| 802.11 a | Low | 5180 | 6 | 18 |
| | Middle | 5200 | 6 | 18 |
| | High | 5240 | 6 | 18 |
| | Low | 5745 | MCS0 | 18 |
| | Middle | 5785 | MCS0 | 18 |
| | High | 5825 | MCS0 | 18 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 18 |
| | Middle | 5200 | MCS0_20 | 18 |
| | High | 5240 | MCS0_20 | 18 |
| | Low | 5745 | MCS0_20 | 18 |
| | Middle | 5785 | MCS0_20 | 18 |
| | High | 5825 | MCS0_20 | 18 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 14 |
| | High | 5230 | MCS0_40 | 17 |
| | Low | 5755 | MCS0_40 | 17 |
| | High | 5795 | MCS0_40 | 17 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 18 |
| | Middle | 5200 | AC_MCS0_20 | 18 |
| | High | 5240 | AC_MCS0_20 | 18 |
| | Low | 5745 | AC_MCS0_20 | 18 |
| | Middle | 5785 | AC_MCS0_20 | 18 |
| | High | 5825 | AC_MCS0_20 | 18 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 14 |
| | High | 5230 | AC_MCS0_40 | 17 |
| | Low | 5755 | AC_MCS0_40 | 17 |
| | High | 5795 | AC_MCS0_40 | 17 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 10 |
| | Middle | 5775 | AC_MCS0_80 | 16 |

**4TX Non-beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level |
| | | | | Chain 0&1&2&3 |
| 802.11 a | Low | 5180 | 6 | 17 |
| | Middle | 5200 | 6 | 18 |
| | High | 5240 | 6 | 18 |
| | Low | 5745 | MCS0 | 18 |
| | Middle | 5785 | MCS0 | 18 |
| | High | 5825 | MCS0 | 18 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 17 |
| | Middle | 5200 | MCS0_20 | 18 |
| | High | 5240 | MCS0_20 | 18 |
| | Low | 5745 | MCS0_20 | 18 |
| | Middle | 5785 | MCS0_20 | 18 |
| | High | 5825 | MCS0_20 | 18 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 13 |
| | High | 5230 | MCS0_40 | 17 |
| | Low | 5755 | MCS0_40 | 17 |
| | High | 5795 | MCS0_40 | 17 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 17 |
| | Middle | 5200 | AC_MCS0_20 | 18 |
| | High | 5240 | AC_MCS0_20 | 18 |
| | Low | 5745 | AC_MCS0_20 | 18 |
| | Middle | 5785 | AC_MCS0_20 | 18 |
| | High | 5825 | AC_MCS0_20 | 18 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 13 |
| | High | 5230 | AC_MCS0_40 | 17 |
| | Low | 5755 | AC_MCS0_40 | 17 |
| | High | 5795 | AC_MCS0_40 | 17 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 9 |
| | Middle | 5775 | AC_MCS0_80 | 16 |

**AC80+80 Mode Non-beamforming:**

| Test Mode | Test Software Version | QSPR.exe | |
|---|---|---|---|
| 802.11ac vht80+80 | Test Frequency | 5210MHz+5775MHz | 5210MHz+5775MHz |
| | Chain | Chain 0+Chain 2 | Chain 1+Chain 3 |
| | Data Rate | AC_MCS0_160 | AC_MCS0_160 |
| | Power Level Setting | 13 | 13 |

**2TX with beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level Chain 0&1 |
| 802.11 a | Low | 5180 | 6 | 17 |
| | Middle | 5200 | 6 | 18 |
| | High | 5240 | 6 | 18 |
| | Low | 5745 | MCS0 | 18 |
| | Middle | 5785 | MCS0 | 18 |
| | High | 5825 | MCS0 | 18 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 18 |
| | Middle | 5200 | MCS0_20 | 18 |
| | High | 5240 | MCS0_20 | 18 |
| | Low | 5745 | MCS0_20 | 18 |
| | Middle | 5785 | MCS0_20 | 18 |
| | High | 5825 | MCS0_20 | 18 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 13 |
| | High | 5230 | MCS0_40 | 16 |
| | Low | 5755 | MCS0_40 | 17 |
| | High | 5795 | MCS0_40 | 17 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 18 |
| | Middle | 5200 | AC_MCS0_20 | 18 |
| | High | 5240 | AC_MCS0_20 | 18 |
| | Low | 5745 | AC_MCS0_20 | 18 |
| | Middle | 5785 | AC_MCS0_20 | 18 |
| | High | 5825 | AC_MCS0_20 | 18 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 13 |
| | High | 5230 | AC_MCS0_40 | 16 |
| | Low | 5755 | AC_MCS0_40 | 17 |
| | High | 5795 | AC_MCS0_40 | 17 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 9 |
| | Middle | 5775 | AC_MCS0_80 | 16 |

**3TX with beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level Chain 0&1&2 |
| 802.11 a | Low | 5180 | 6 | 16 |
| | Middle | 5200 | 6 | 18 |
| | High | 5240 | 6 | 18 |
| | Low | 5745 | MCS0 | 18 |
| | Middle | 5785 | MCS0 | 18 |
| | High | 5825 | MCS0 | 18 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 16 |
| | Middle | 5200 | MCS0_20 | 18 |
| | High | 5240 | MCS0_20 | 18 |
| | Low | 5745 | MCS0_20 | 18 |
| | Middle | 5785 | MCS0_20 | 18 |
| | High | 5825 | MCS0_20 | 18 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 13 |
| | High | 5230 | MCS0_40 | 17 |
| | Low | 5755 | MCS0_40 | 17 |
| | High | 5795 | MCS0_40 | 17 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 16 |
| | Middle | 5200 | AC_MCS0_20 | 18 |
| | High | 5240 | AC_MCS0_20 | 18 |
| | Low | 5745 | AC_MCS0_20 | 18 |
| | Middle | 5785 | AC_MCS0_20 | 18 |
| | High | 5825 | AC_MCS0_20 | 18 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 13 |
| | High | 5230 | AC_MCS0_40 | 17 |
| | Low | 5755 | AC_MCS0_40 | 17 |
| | High | 5795 | AC_MCS0_40 | 17 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 8 |
| | Middle | 5775 | AC_MCS0_80 | 16 |

**4TX with beamforming:**

| Software and version | | | QSPR.exe | |
|---|---|---|---|---|
| Mode | Channel | Frequency (MHz) | Data Rate (Mbps) | Power Level |
| | | | | Chain 0&1&2&3 |
| 802.11 a | Low | 5180 | 6 | 15 |
| | Middle | 5200 | 6 | 15 |
| | High | 5240 | 6 | 15 |
| | Low | 5745 | MCS0 | 18 |
| | Middle | 5785 | MCS0 | 18 |
| | High | 5825 | MCS0 | 18 |
| 802.11n ht20 | Low | 5180 | MCS0_20 | 15 |
| | Middle | 5200 | MCS0_20 | 15 |
| | High | 5240 | MCS0_20 | 15 |
| | Low | 5745 | MCS0_20 | 18 |
| | Middle | 5785 | MCS0_20 | 18 |
| | High | 5825 | MCS0_20 | 18 |
| 802.11n ht40 | Low | 5190 | MCS0_40 | 12 |
| | High | 5230 | MCS0_40 | 17 |
| | Low | 5755 | MCS0_40 | 17 |
| | High | 5795 | MCS0_40 | 17 |
| 802.11 ac20 | Low | 5180 | AC_MCS0_20 | 15 |
| | Middle | 5200 | AC_MCS0_20 | 15 |
| | High | 5240 | AC_MCS0_20 | 15 |
| | Low | 5745 | AC_MCS0_20 | 18 |
| | Middle | 5785 | AC_MCS0_20 | 18 |
| | High | 5825 | AC_MCS0_20 | 18 |
| 802.11 ac40 | Low | 5190 | AC_MCS0_40 | 12 |
| | High | 5230 | AC_MCS0_40 | 17 |
| | Low | 5755 | AC_MCS0_40 | 17 |
| | High | 5795 | AC_MCS0_40 | 17 |
| 802.11 ac80 | Middle | 5210 | AC_MCS0_80 | 6 |
| | Middle | 5775 | AC_MCS0_80 | 16 |

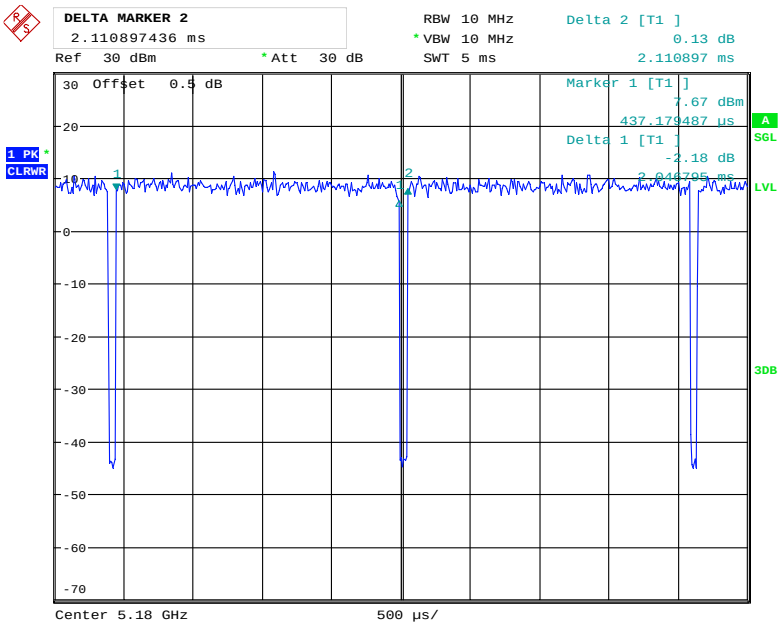
**AC80+80 Mode with beamforming:**

| Test Mode | Test Software Version | QSPR.exe | |
|---|---|---|---|
| 802.11ac vht80+80 | Test Frequency | 5210MHz+5775MHz | 5210MHz+5775MHz |
| | Chain | Chain 0+Chain 2 | Chain 1+Chain 3 |
| | Data Rate | AC_MCS0_160 | AC_MCS0_160 |
| | Power Level Setting | 13 | 13 |

The duty cycle as below:

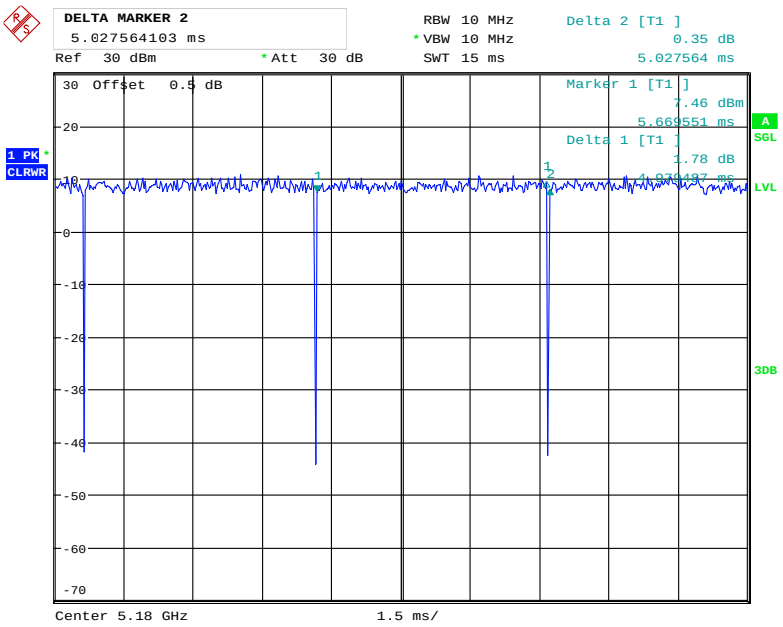
| Mode | $T_{on}$ (ms) | $T_{on+off}$ (ms) | Duty Cycle(x) (%) | Duty Cycle Factor 10*log(1/x) (dB) |
|---|---|---|---|---|
| 802.11a | 2.047 | 2.111 | 96.97 | 0.13 |
| 802.11n ht20 | 4.979 | 5.028 | 99.03 | 0.04 |
| 802.11n ht40 | 2.399 | 2.496 | 96.11 | 0.17 |
| 802.11 ac20 | 4.979 | 5.028 | 99.03 | 0.04 |
| 802.11 ac40 | 2.415 | 2.528 | 95.53 | 0.20 |
| 802.11 ac80 | 1.130 | 1.202 | 94.01 | 0.27 |
| AC80+80 | 2.256 | 2.321 | 97.20 | 0.12 |

## 802.11a



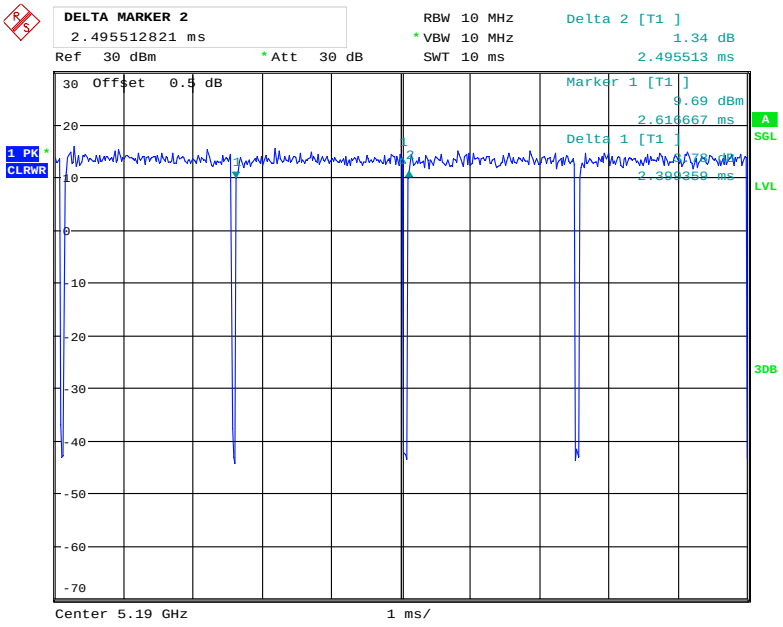

Date: 4.NOV.2017 14:19:48

## 802.11n ht20



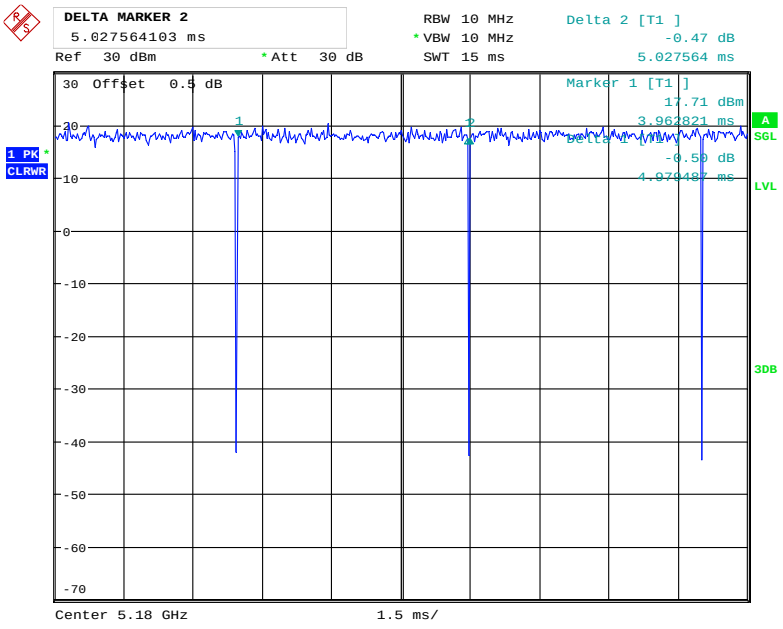

Date: 4.NOV.2017 14:25:41

## 802.11n ht40



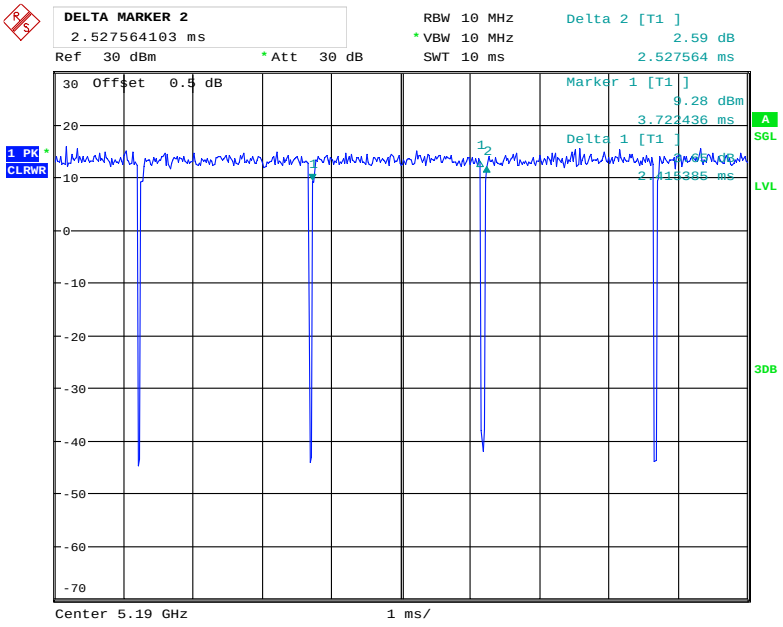

Date: 4.NOV.2017 14:31:12

## 802.11ac vht 20



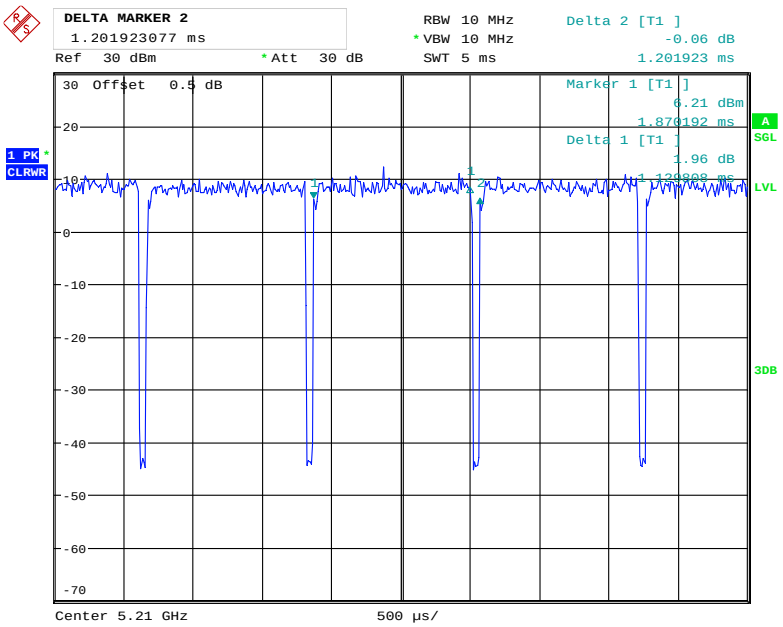

Date: 4.NOV.2017 14:29:15

## 802.11ac vht 40



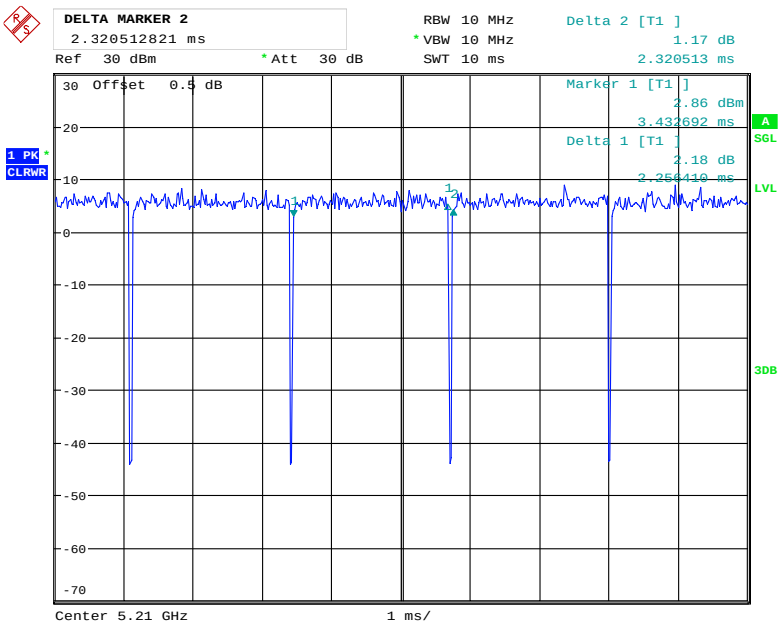

Date: 4.NOV.2017 14:34:46

## 802.11ac80




Date: 4.NOV.2017 14:44:54

## AC80+80




Date: 4.NOV.2017 14:51:35

## Equipment Modifications

No modification was made to the EUT.

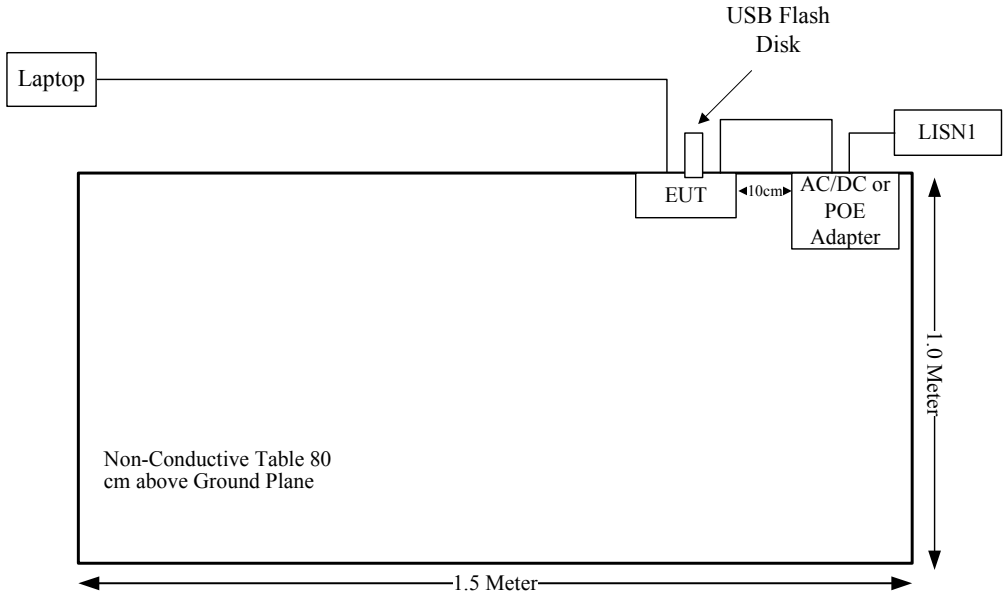
## Support Equipment List and Details

| Manufacturer | Description | Model | Serial Number |
|---|---|---|---|
| HUAWEI | PoE Adapter | PoE35-54A | N/A |
| N/A | AC/DC Adapter | DC48A2 | N/A |
| Lenovo | Laptop | ThinkPad E450 | PF-0MRADG |
| Kingston | USB Flash Disk | 4G | N/A |

## External Cable

| Cable Description | Shielding Type | Ferrite Core | Length (m) | From Port | To |
|---|---|---|---|---|---|
| RJ45 Cable | yes | No | 1.0 | PoE Adapter | EUT |
| RJ45 Cable | yes | No | 10 | EUT | Laptop |

## Block Diagram of Test Setup



# SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|---|---|---|
| FCC §15.407 (f) & §1.1310 & §2.1091 | Maximum Permissable Exposure (MPE) | Compliance |
| §15.203 | Antenna Requirement | Compliance |
| §15.407(b)(6)& §15.207(a) | Conducted Emissions | Compliance |
| §15.205& §15.209 &§15.407(b) | Undesirable Emission& Restricted Bands | Compliance |
| §15.407(b) | Out Of Band Emissions | Compliance |
| §15.407(a) (e) | Emission Bandwidth | Compliance |
| §15.407(g) | Frequency Stability | Compliance |
| §15.407(a) | Conducted Transmitter Output Power | Compliance |
| §15.407 (a) | Power Spectral Density | Compliance |

# FCC §15.407 (f) & §1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

## Applicable Standard

According to subpart 15.407(f)and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

| (B) Limits for General Population/Uncontrolled Exposure | | | | |
|---|---|---|---|---|
| Frequency Range (MHz) | **Electric Field Strength (V/m)** | **Magnetic Field Strength (A/m)** | **Power Density ($mW/cm^2$)** | **Averaging Time (minutes)** |
| 0.3–1.34 | 614 | 1.63 | *(100) | 30 |
| 1.34–30 | 824/f | 2.19/f | *(180/$f^2$) | 30 |
| 30–300 | 27.5 | 0.073 | 0.2 | 30 |
| 300–1500 | / | / | f/1500 | 30 |
| 1500–100,000 | / | / | 1.0 | 30 |

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

**Calculation formula:**

Prediction of power density at the distance of the applicable MPE limit
$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. $mW/cm^2$);
P = power input to the antenna (in appropriate units, e.g., mW);
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

**Calculated Data:**

| Radio | Description | Frequency (MHz) | Antenna Gain | | Conducted output power including Tune-up Tolerance | | Evaluation Distance (cm) | Power Density ($mW/cm^2$) | MPE Limit ($mW/cm^2$) |
|---|---|---|---|---|---|---|---|---|---|
| | | | (dBi) | (numeric) | (dBm) | (mW) | | | |
| 0 | WLAN 5G Low Band | 5180-5240 | 2.8 | 1.91 | 22 | 158.49 | 20.00 | 0.06 | 1.0 |
| 1 | WLAN 2.4G+5G Whole Band | 2412-2462 | 2 | 1.58 | 30 | 1000.00 | 20.00 | 0.32 | 1.0 |
| | | 5180-5825 | 2.8 | 1.91 | 25 | 316.23 | 20.00 | 0.12 | 1.0 |
| 2 | BLE | 2402-2480 | 4 | 2.51 | 3 | 2.00 | 20.00 | 0.001 | 1.0 |

Note:

The Radio 1(WLAN 2.4G+5G Band) can transmit in 2.4G band, or 5G band, or transmit in both band simultaneously.
Radio 1(WLAN 2.4G+5G Band) and Radio 0 can`t transmit in 5150-5250MHz band simultaneously.

The 3 radios can transmit simultaneously, the maximum RF exposure condition as below:

$$\sum_i \frac{S_i}{S_{Limit,i}}$$

$=S_{Radio1\text{-}2.4G}/S_{limit\text{-}\ Radio1\text{-}2.4G} + S_{Radio1\text{-}5G}/S_{limit\text{-}Radio1\text{-}5G} + S_{Radio0\text{-}5G}/S_{limit\text{-}Radio0\text{-}5G}\ S_{Radio2}/S_{limit\text{-}\ Radio3}$

=0.06/1+0.32/1+0.12/1+0.001/1

=0.50

< 1.0

**Result:** The device meet FCC MPE at 20 cm distance

# FCC §15.203 – ANTENNA REQUIREMENT

## Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.
And according to FCC 47 CFR section 15.407 (a)(1),if transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

## Antenna Connector Construction

The EUT have 4 internal metal plate antennas for WLAN 2.4GHz+5G band, all the antenna gains are 2.0 dBi in 2.4GHz band and 2.8 dBi in 5GHz band. One internal PCB antenna for BLE, the antenna gain is 4.0 dBi. 4 internal PCB antennas for WLAN 5G Low Band (5150-5250MHz), all the antenna gains are 2.8 dBi. Please refer to the EUT photo.

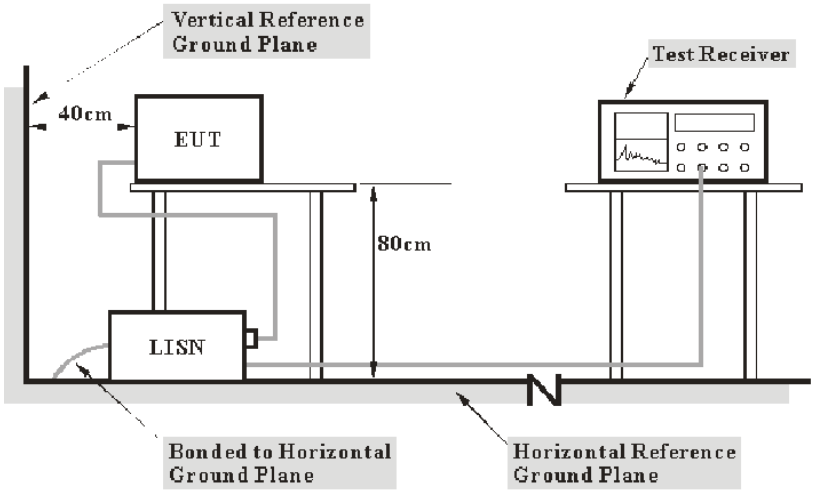
**Result:** Compliance.

# FCC §15.407 (b) (6) §15.207 (a) – CONDUCTED EMISSIONS

## Applicable Standard

FCC §15.207(a), §15.407(b) (6).

## EUT Setup




Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The EUT was connected to the main lisn with a 120 V/60 Hz AC power source.

## EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range | IF B/W |
|---|---|
| 150 kHz – 30 MHz | 9 kHz |

## Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$V_C = V_R + A_C + VDF$
$C_f = A_C + VDF$

Herein,
$V_C$ (cord. Reading): corrected voltage amplitude
$V_R$: reading voltage amplitude
$A_c$: attenuation caused by cable loss
VDF: voltage division factor of AMN
$C_f$: Correction Factor

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

## Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| R&S | EMI Test Receiver | ESCS 30 | 830245/006 | 2016-12-08 | 2017-12-08 |
| R&S | L.I.S.N | ESH2-Z5 | 892107/021 | 2017-09-01 | 2018-09-01 |
| R&S | Two-line V-network | ENV 216 | 3560.6550.12 | 2016-12-08 | 2017-12-08 |
| R&S | Test Software | EMC32 | Version8.53.0 | N/A | N/A |
| N/A | Coaxial Cable | C-NJNJ-50 | C-0200-01 | 2017-09-05 | 2018-09-05 |

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

## Test Procedure

During the conducted emission test, the EUT was connected to the first LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

## Test Data

### Environmental Conditions

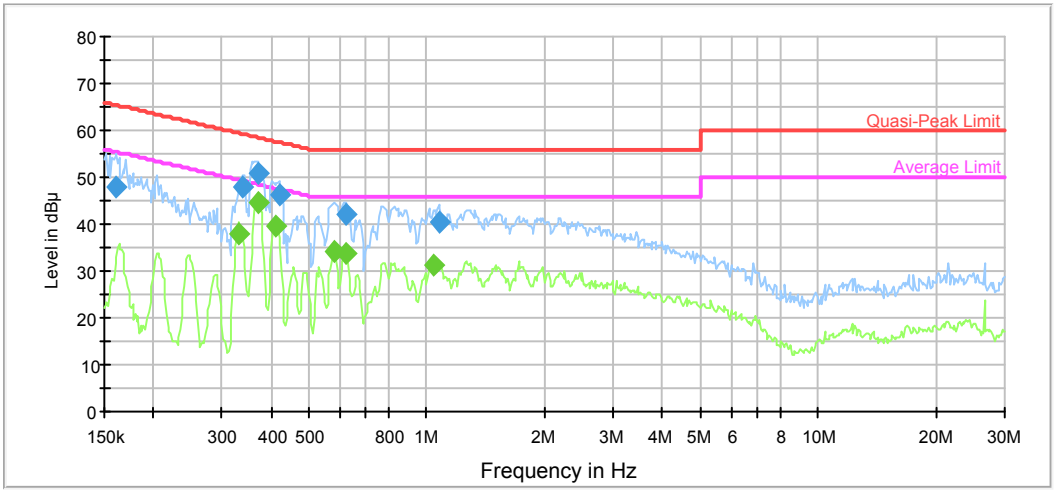
| | |
|---|---|
| **Temperature:** | 26.1 °C |
| **Relative Humidity:** | 44 % |
| **ATM Pressure:** | 101.4 kPa |

*The testing was performed by Alex You on 2017-12-01.*

*Test Mode: Transmitting*

*PoE adapter:*

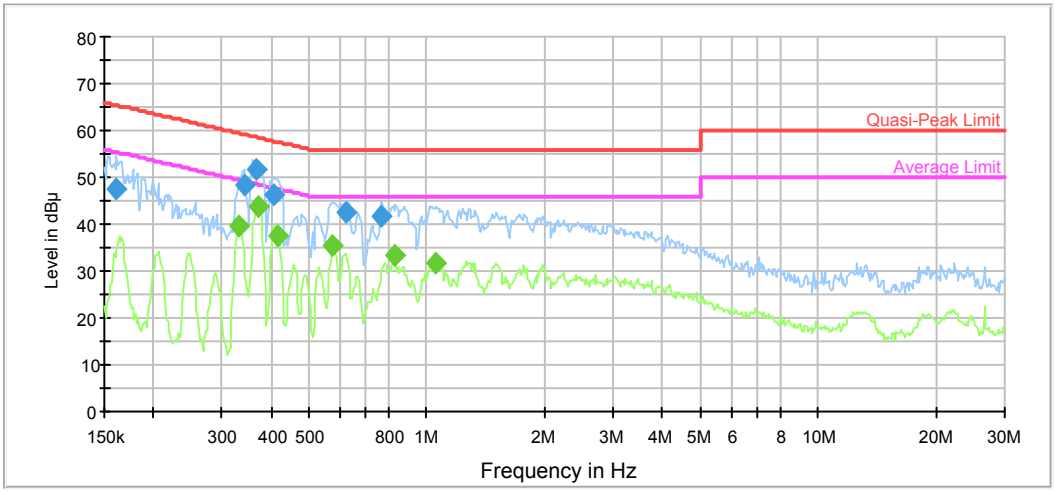
**AC120 V, 60 Hz, Line:**




| Frequency (MHz) | QuasiPeak (dBµV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|
| 0.161152 | 47.8 | 9.000 | L1 | 11.0 | 17.6 | 65.4 | Compliance |
| 0.338116 | 47.8 | 9.000 | L1 | 10.1 | 11.4 | 59.2 | Compliance |
| 0.369089 | 51.0 | 9.000 | L1 | 10.0 | 7.5 | 58.5 | Compliance |
| 0.419276 | 46.4 | 9.000 | L1 | 10.0 | 11.1 | 57.5 | Compliance |
| 0.619536 | 41.9 | 9.000 | L1 | 9.8 | 14.1 | 56.0 | Compliance |
| 1.073601 | 40.5 | 9.000 | L1 | 9.8 | 15.5 | 56.0 | Compliance |

| Frequency (MHz) | Average (dBµV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|
| 0.332770 | 37.8 | 9.000 | L1 | 10.1 | 11.6 | 49.4 | Compliance |
| 0.372042 | 44.7 | 9.000 | L1 | 10.0 | 3.8 | 48.5 | Compliance |
| 0.412647 | 39.5 | 9.000 | L1 | 10.0 | 8.1 | 47.6 | Compliance |
| 0.581275 | 34.1 | 9.000 | L1 | 9.8 | 11.9 | 46.0 | Compliance |
| 0.619536 | 33.8 | 9.000 | L1 | 9.8 | 12.2 | 46.0 | Compliance |
| 1.039922 | 31.1 | 9.000 | L1 | 9.8 | 14.9 | 46.0 | Compliance |

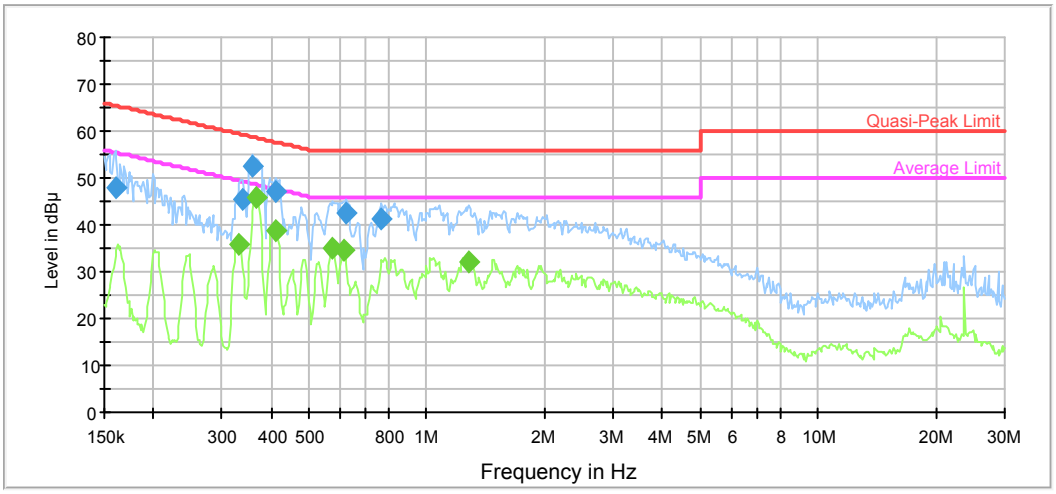
**AC120 V, 60 Hz, Neutral:**




| requency (MHz) | QuasiPeak (dBµV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|
| 0.161152 | 47.6 | 9.000 | N | 11.0 | 17.8 | 65.4 | Compliance |
| 0.340821 | 48.3 | 9.000 | N | 10.1 | 10.9 | 59.2 | Compliance |
| 0.366160 | 51.7 | 9.000 | N | 10.0 | 6.9 | 58.6 | Compliance |
| 0.406123 | 46.1 | 9.000 | N | 10.0 | 11.6 | 57.7 | Compliance |
| 0.624492 | 42.6 | 9.000 | N | 9.8 | 13.4 | 56.0 | Compliance |
| 0.768247 | 41.5 | 9.000 | N | 9.8 | 14.5 | 56.0 | Compliance |

| Frequency (MHz) | Average (dBµV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|
| 0.330129 | 39.6 | 9.000 | N | 10.1 | 9.8 | 49.4 | Compliance |
| 0.372042 | 43.7 | 9.000 | N | 10.0 | 4.8 | 48.5 | Compliance |
| 0.415949 | 37.7 | 9.000 | N | 10.0 | 9.8 | 47.5 | Compliance |
| 0.576662 | 35.5 | 9.000 | N | 9.8 | 10.5 | 46.0 | Compliance |
| 0.831967 | 33.2 | 9.000 | N | 9.8 | 12.8 | 46.0 | Compliance |
| 1.048242 | 31.8 | 9.000 | N | 9.8 | 14.2 | 46.0 | Compliance |

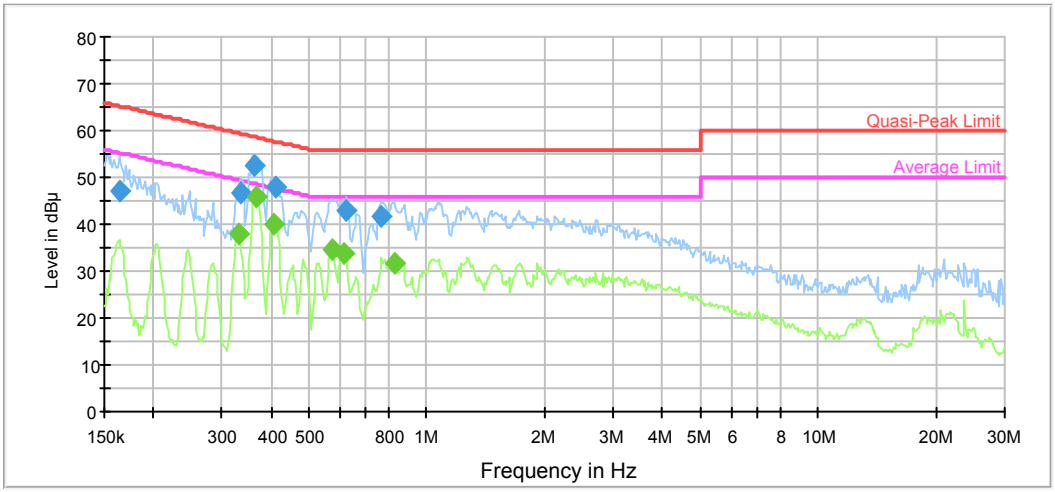
***AC/DC Adapter:***
**AC120 V, 60 Hz, Line:**




| Frequency (MHz) | QuasiPeak (dBµV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|
| 0.159873 | 48.0 | 9.000 | L1 | 11.1 | 17.5 | 65.5 | Compliance |
| 0.338116 | 45.6 | 9.000 | L1 | 10.1 | 13.6 | 59.2 | Compliance |
| 0.360371 | 52.4 | 9.000 | L1 | 10.0 | 6.3 | 58.7 | Compliance |
| 0.409372 | 47.3 | 9.000 | L1 | 10.0 | 10.4 | 57.7 | Compliance |
| 0.624492 | 42.7 | 9.000 | L1 | 9.8 | 13.3 | 56.0 | Compliance |
| 0.768247 | 41.3 | 9.000 | L1 | 9.8 | 14.7 | 56.0 | Compliance |

| Frequency (MHz) | Average (dBµV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|
| 0.332770 | 36.0 | 9.000 | L1 | 10.1 | 13.4 | 49.4 | Compliance |
| 0.366160 | 46.0 | 9.000 | L1 | 10.0 | 2.6 | 48.6 | Compliance |
| 0.412647 | 38.7 | 9.000 | L1 | 10.0 | 8.9 | 47.6 | Compliance |
| 0.576662 | 35.2 | 9.000 | L1 | 9.8 | 10.8 | 46.0 | Compliance |
| 0.614619 | 34.5 | 9.000 | L1 | 9.8 | 11.5 | 46.0 | Compliance |
| 1.279307 | 32.2 | 9.000 | L1 | 9.8 | 13.8 | 46.0 | Compliance |

**AC120 V, 60 Hz, Neutral:**




| requency (MHz) | QuasiPeak (dBµV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|
| 0.163741 | 47.3 | 9.000 | N | 11.0 | 18.0 | 65.3 | Compliance |
| 0.335433 | 46.6 | 9.000 | N | 10.1 | 12.7 | 59.3 | Compliance |
| 0.363254 | 52.6 | 9.000 | N | 10.0 | 6.1 | 58.7 | Compliance |
| 0.412647 | 47.7 | 9.000 | N | 10.0 | 9.9 | 57.6 | Compliance |
| 0.624492 | 43.1 | 9.000 | N | 9.8 | 12.9 | 56.0 | Compliance |
| 0.768247 | 41.7 | 9.000 | N | 9.8 | 14.3 | 56.0 | Compliance |

| Frequency (MHz) | Average (dBµV) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|---|---|---|---|---|---|---|---|
| 0.332770 | 37.9 | 9.000 | N | 10.1 | 11.5 | 49.4 | Compliance |
| 0.366160 | 45.9 | 9.000 | N | 10.0 | 2.7 | 48.6 | Compliance |
| 0.406123 | 39.8 | 9.000 | N | 10.0 | 7.9 | 47.7 | Compliance |
| 0.576662 | 34.7 | 9.000 | N | 9.8 | 11.3 | 46.0 | Compliance |
| 0.614619 | 33.8 | 9.000 | N | 9.8 | 12.2 | 46.0 | Compliance |
| 0.825364 | 31.8 | 9.000 | N | 9.8 | 14.2 | 46.0 | Compliance |

# FCC §15.209, §15.205 & §15.407(b) –UNWANTED EMISSION

## Applicable Standard

FCC §15.407; §15.209; §15.205;

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.

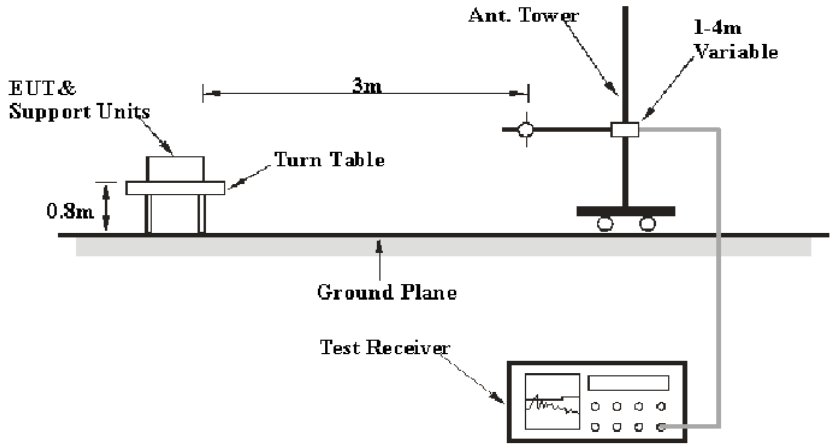
(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

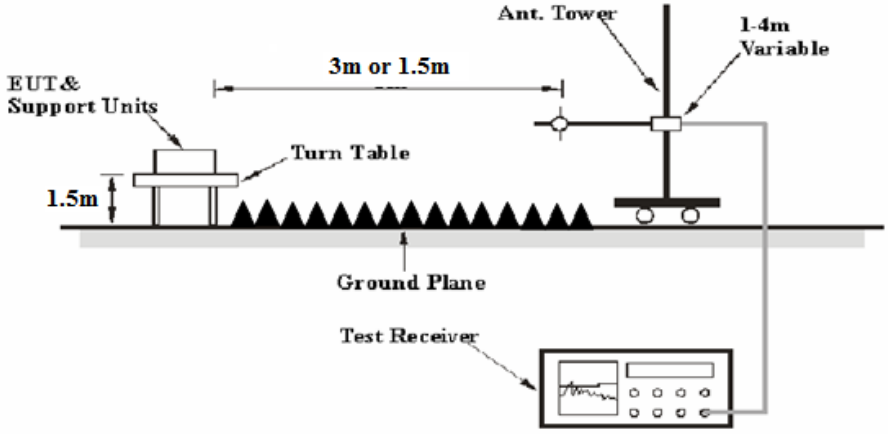
(7) The provisions of §15.205 apply to intentional radiators operating under this section.

## EUT Setup

**Below 1 GHz:**




**Above 1 GHz:**




The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

## EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 40 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

30-1000MHz:

| Measurement | RBW | Video B/W | IF B/W |
|---|---|---|---|
| QP | 120 kHz | 300 kHz | 120kHz |

1GHz- 40GHz:

| Measurement | Duty cycle | RBW | Video B/W |
|---|---|---|---|
| PK | Any | 1MHz | 3 MHz |
| Ave. | >98% | 1MHz | 10 Hz |
| | <98% | 1MHz | 1/T |

## Test Procedure

During the radiated emission test, the EUT was connected to the first AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1GHz, peak and Average detection modes for frequencies above 1GHz.

According to KDB 789033 D02 General UNII Test Procedures New Rules v01r04, emission shall be computed as: E [dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters.

## Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude = Meter Reading + Antenna Factor + Cable Loss - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Extrapolation result -Limit

## Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| R&S | EMI Test Receiver | ESCI | 100224 | 2017-09-01 | 2018-09-01 |
| Sunol Sciences | Antenna | JB3 | A060611-1 | 2017-11-10 | 2020-11-10 |
| HP | Amplifier | 8447D | 2727A05902 | 2017-09-05 | 2018-09-05 |
| EMCO | Passive Loop | 6512 | 9706-1206 | 2017-03-05 | 2020-03-05 |
| MITEQ | Amplifier | AFS42-00101800-25-S-42 | 2001271 | 2017-09-05 | 2018-09-05 |
| ETS-Lindgren | Horn Antenna | 3115 | 000 527 35 | 2016-01-05 | 2019-01-05 |
| Agilent | Spectrum Analyzer | E4440A | SG43360054 | 2016-12-08 | 2017-12-08 |
| Ducommun Technolagies | Horn Antenna | ARH-4223-02 | 1007726-02 1304 | 2016-11-18 | 2019-11-18 |
| Quinstar | Amplifier | QLW-18405536-JO | 15964001001 | 2017-06-27 | 2018-06-27 |
| Ducommun Technolagies | Horn Antenna | ARH-2823-02 | 1007726-01 1302 | 2016-11-18 | 2019-11-18 |
| R&S | Spectrum Analyzer | FSP 38 | 100478 | 2017-12-08 | 2018-12-08 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0400-02 | 2017-09-05 | 2018-09-05 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0075-02 | 2017-09-05 | 2018-09-05 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-2200-01 | 2017-09-05 | 2018-09-05 |
| Unknown | Coaxial Cable | C-SJSJ-50 | C-0800-01 | 2017-09-05 | 2018-09-05 |
| Chengdu OuLi | Bandrejector Filter | 5725-5850 | 005 | 2017-09-05 | 2018-09-05 |
| Chengdu OuLi | Bandrejector Filter | 5150-5350 | 004 | 2017-09-05 | 2018-09-05 |
| Chengdu OuLi | Bandrejector Filter | 5470-5725 | 006 | 2017-09-05 | 2018-09-05 |
| Farad | Test Software | EZ-EMC | V1.1.4.2 | N/A | N/A |

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

## Test Data

### Environmental Conditions

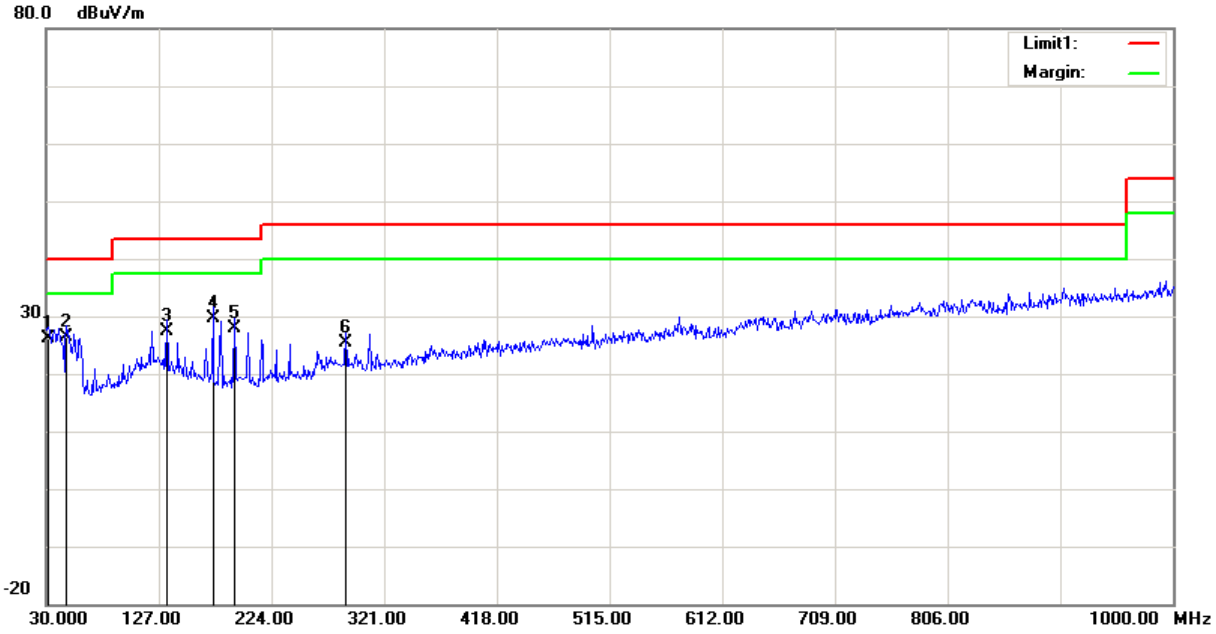
| | |
|---|---|
| **Temperature:** | 24.9~25.2 °C |
| **Relative Humidity:** | 36~39 % |
| **ATM Pressure:** | 101.3~101.4 kPa |

** The testing was performed by Kakaxi Chen and Steven Zuo from 2017-10-24 to 2017-10-25.*

*Test Mode: Transmitting(PoE adapter was the worst)*

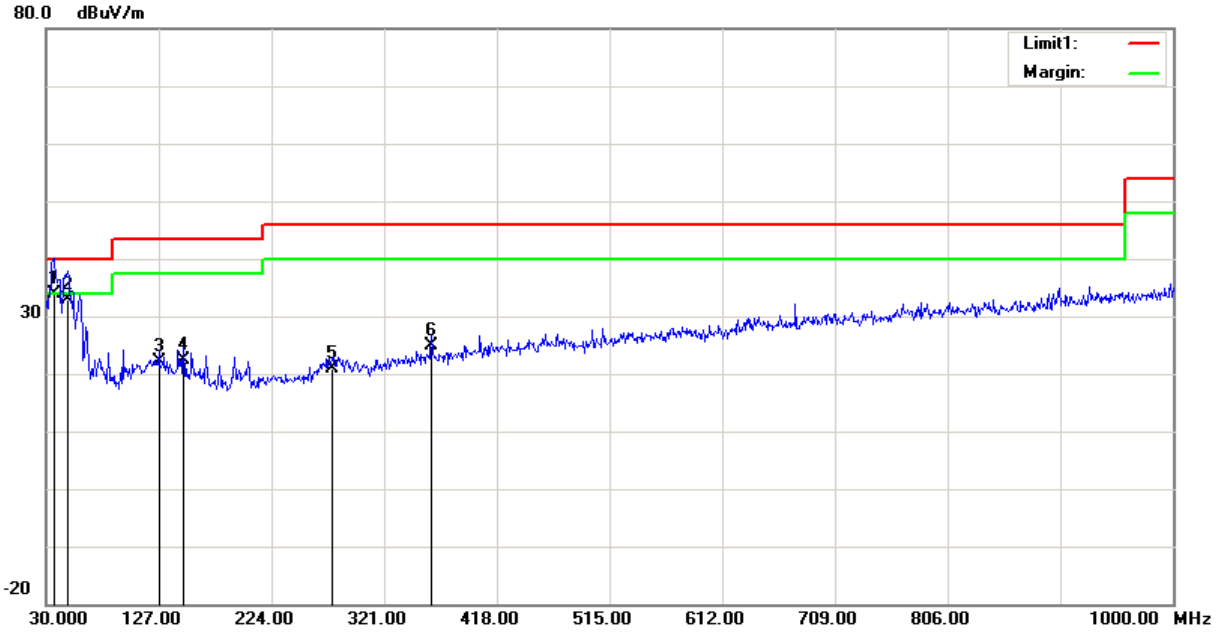
**1) Below 1GHz**(802.11 b mode 2437MHz 1TX +802.11a 5785MHz 1TX+BLE middle channel was the worst):

**Horizontal**




| Frequency (MHz) | Receiver Reading (dBµV) | Detector | Correction Factor (dB/m) | Cord. Amp. (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 31.9400 | 26.55 | QP | -0.35 | 26.20 | 40.00 | 13.80 |
| 47.4600 | 37.00 | QP | -10.70 | 26.30 | 40.00 | 13.70 |
| 133.7900 | 32.81 | QP | -5.41 | 27.40 | 43.50 | 16.10 |
| 173.5600 | 37.34 | QP | -7.64 | 29.70 | 43.50 | 13.80 |
| 191.9900 | 35.32 | QP | -7.52 | 27.80 | 43.50 | 15.70 |
| 288.0200 | 29.22 | QP | -3.92 | 25.30 | 46.00 | 20.70 |

**Vertical**




| Frequency (MHz) | Receiver Reading (dBµV) | Detector | Correction Factor (dB/m) | Cord. Amp. (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.7900 | 37.73 | QP | -3.83 | 33.90 | 40.00 | 6.10 |
| 48.4300 | 43.89 | QP | -11.09 | 32.80 | 40.00 | 7.20 |
| 127.0000 | 27.05 | QP | -4.95 | 22.10 | 43.50 | 21.40 |
| 148.3400 | 29.00 | QP | -6.50 | 22.50 | 43.50 | 21.00 |
| 276.3800 | 24.65 | QP | -3.75 | 20.90 | 46.00 | 25.10 |
| 361.7400 | 27.80 | QP | -2.90 | 24.90 | 46.00 | 21.10 |

**2) 1GHz-40GHz:**

**Radio 0, 5150-5250MHz, SISO:**

802.11a Mode (Chain0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 70.16 | PK | H | 33.59 | 3.58 | 0.00 | 101.31 | N/A | N/A |
| 5180.00 | 58.70 | AV | H | 33.59 | 3.58 | 0.00 | 89.85 | N/A | N/A |
| 5180.00 | 56.49 | PK | V | 33.59 | 3.58 | 0.00 | 87.64 | N/A | N/A |
| 5180.00 | 44.45 | AV | V | 33.59 | 3.58 | 0.00 | 75.60 | N/A | N/A |
| 5150.00 | 26.57 | PK | H | 33.54 | 3.56 | 0.00 | 57.65 | 74.00 | 16.35 |
| 5150.00 | 14.56 | AV | H | 33.54 | 3.56 | 0.00 | 45.64 | 54.00 | 8.36 |
| 10360.00 | 70.39 | PK | H | 38.17 | 6.29 | 36.85 | 71.98 | 74.00 | 2.02 |
| 10360.00 | 52.00 | AV | H | 38.17 | 6.29 | 36.85 | 53.59 | 54.00 | 0.41 |
| 15540.00 | 46.57 | PK | H | 38.06 | 8.85 | 39.04 | 48.42 | 74.00 | 25.58 |
| 15540.00 | 35.67 | AV | H | 38.06 | 8.85 | 39.04 | 37.52 | 54.00 | 16.48 |
| 9355.00 | 46.58 | PK | H | 37.84 | 5.67 | 36.70 | 47.37 | 74.00 | 26.63 |
| 9355.00 | 35.35 | AV | H | 37.84 | 5.67 | 36.70 | 36.14 | 54.00 | 17.86 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 70.28 | PK | H | 33.62 | 3.60 | 0.00 | 101.48 | N/A | N/A |
| 5200.00 | 59.02 | AV | H | 33.62 | 3.60 | 0.00 | 90.22 | N/A | N/A |
| 5200.00 | 57.30 | PK | V | 33.62 | 3.60 | 0.00 | 88.50 | N/A | N/A |
| 5200.00 | 45.64 | AV | V | 33.62 | 3.60 | 0.00 | 76.84 | N/A | N/A |
| 10400.00 | 67.34 | PK | H | 38.18 | 6.32 | 36.86 | 68.96 | 74.00 | 5.04 |
| 10400.00 | 51.23 | AV | H | 38.18 | 6.32 | 36.86 | 52.85 | 54.00 | 1.15 |
| 15600.00 | 58.15 | PK | H | 38.00 | 8.83 | 39.09 | 59.87 | 74.00 | 14.13 |
| 15600.00 | 45.28 | AV | H | 38.00 | 8.83 | 39.09 | 47.00 | 54.00 | 7.00 |
| 8469.00 | 45.28 | PK | H | 37.36 | 5.14 | 37.10 | 44.66 | 74.00 | 29.34 |
| 8469.00 | 34.29 | AV | H | 37.36 | 5.14 | 37.10 | 33.67 | 54.00 | 20.33 |
| 7965.00 | 45.36 | PK | H | 36.78 | 4.73 | 36.78 | 44.07 | 74.00 | 29.93 |
| 7965.00 | 35.27 | AV | H | 36.78 | 4.73 | 36.78 | 33.98 | 54.00 | 20.02 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 69.28 | PK | H | 33.68 | 3.52 | 0.00 | 100.46 | N/A | N/A |
| 5240.00 | 58.37 | AV | H | 33.68 | 3.52 | 0.00 | 89.55 | N/A | N/A |
| 5240.00 | 59.28 | PK | V | 33.68 | 3.52 | 0.00 | 90.46 | N/A | N/A |
| 5240.00 | 48.47 | AV | V | 33.68 | 3.52 | 0.00 | 79.65 | N/A | N/A |
| 5350.00 | 27.45 | PK | H | 33.86 | 3.52 | 0.00 | 58.81 | 74.00 | 15.19 |
| 5350.00 | 15.47 | AV | H | 33.86 | 3.52 | 0.00 | 46.83 | 54.00 | 7.17 |
| 10480.00 | 64.14 | PK | H | 38.20 | 6.37 | 36.88 | 65.81 | 74.00 | 8.19 |
| 10480.00 | 49.53 | AV | H | 38.20 | 6.37 | 36.88 | 51.20 | 54.00 | 2.80 |
| 15720.00 | 46.64 | PK | H | 37.88 | 8.79 | 39.18 | 48.11 | 74.00 | 25.89 |
| 15720.00 | 35.45 | AV | H | 37.88 | 8.79 | 39.18 | 36.92 | 54.00 | 17.08 |
| 8989.00 | 45.37 | PK | H | 37.69 | 5.48 | 36.93 | 45.59 | 74.00 | 28.41 |
| 8989.00 | 35.29 | AV | H | 37.69 | 5.48 | 36.93 | 35.51 | 54.00 | 18.49 |

802.11n ht20 Mode (Chain0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 70.09 | PK | H | 33.59 | 3.58 | 0.00 | 101.24 | N/A | N/A |
| 5180.00 | 59.27 | AV | H | 33.59 | 3.58 | 0.00 | 90.42 | N/A | N/A |
| 5180.00 | 61.35 | PK | V | 33.59 | 3.58 | 0.00 | 92.50 | N/A | N/A |
| 5180.00 | 50.14 | AV | V | 33.59 | 3.58 | 0.00 | 81.29 | N/A | N/A |
| 5150.00 | 27.15 | PK | H | 33.54 | 3.56 | 0.00 | 58.23 | 74.00 | 15.77 |
| 5150.00 | 14.58 | AV | H | 33.54 | 3.56 | 0.00 | 45.66 | 54.00 | 8.34 |
| 10360.00 | 65.47 | PK | H | 38.17 | 6.29 | 36.85 | 67.06 | 74.00 | 6.94 |
| 10360.00 | 52.03 | AV | H | 38.17 | 6.29 | 36.85 | 53.62 | 54.00 | 0.38 |
| 15540.00 | 46.58 | PK | H | 38.06 | 8.85 | 39.04 | 48.43 | 74.00 | 25.57 |
| 15540.00 | 35.64 | AV | H | 38.06 | 8.85 | 39.04 | 37.49 | 54.00 | 16.51 |
| 8366.00 | 46.28 | PK | H | 37.24 | 5.06 | 37.01 | 45.55 | 74.00 | 28.45 |
| 8366.00 | 35.27 | AV | H | 37.24 | 5.06 | 37.01 | 34.54 | 54.00 | 19.46 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 70.45 | PK | H | 33.62 | 3.60 | 0.00 | 101.65 | N/A | N/A |
| 5200.00 | 59.47 | AV | H | 33.62 | 3.60 | 0.00 | 90.67 | N/A | N/A |
| 5200.00 | 61.05 | PK | V | 33.62 | 3.60 | 0.00 | 92.25 | N/A | N/A |
| 5200.00 | 50.23 | AV | V | 33.62 | 3.60 | 0.00 | 81.43 | N/A | N/A |
| 10400.00 | 71.53 | PK | H | 38.18 | 6.32 | 36.86 | 73.15 | 74.00 | 0.85 |
| 10400.00 | 52.17 | AV | H | 38.18 | 6.32 | 36.86 | 53.79 | 54.00 | 0.21 |
| 15600.00 | 46.58 | PK | H | 38.00 | 8.83 | 39.09 | 48.30 | 74.00 | 25.7 |
| 15600.00 | 35.48 | AV | H | 38.00 | 8.83 | 39.09 | 37.20 | 54.00 | 16.8 |
| 9997.00 | 46.76 | PK | H | 38.10 | 6.07 | 36.77 | 48.14 | 74.00 | 25.86 |
| 9997.00 | 35.76 | AV | H | 38.10 | 6.07 | 36.77 | 37.14 | 54.00 | 16.86 |
| 8675.00 | 46.20 | PK | H | 37.51 | 5.28 | 37.05 | 45.92 | 74.00 | 28.08 |
| 8675.00 | 35.39 | AV | H | 37.51 | 5.28 | 37.05 | 35.11 | 54.00 | 18.89 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 71.41 | PK | H | 33.68 | 3.52 | 0.00 | 102.59 | N/A | N/A |
| 5240.00 | 59.41 | AV | H | 33.68 | 3.52 | 0.00 | 90.59 | N/A | N/A |
| 5240.00 | 60.61 | PK | V | 33.68 | 3.52 | 0.00 | 91.79 | N/A | N/A |
| 5240.00 | 49.22 | AV | V | 33.68 | 3.52 | 0.00 | 80.40 | N/A | N/A |
| 5350.00 | 27.45 | PK | H | 33.86 | 3.52 | 0.00 | 58.81 | 74.00 | 15.19 |
| 5350.00 | 14.59 | AV | H | 33.86 | 3.52 | 0.00 | 45.95 | 54.00 | 8.05 |
| 10480.00 | 64.28 | PK | H | 38.20 | 6.37 | 36.88 | 65.95 | 74.00 | 8.05 |
| 10480.00 | 51.64 | AV | H | 38.20 | 6.37 | 36.88 | 53.31 | 54.00 | 0.69 |
| 15720.00 | 46.50 | PK | H | 37.88 | 8.79 | 39.18 | 47.97 | 74.00 | 26.03 |
| 15720.00 | 35.56 | AV | H | 37.88 | 8.79 | 39.18 | 37.03 | 54.00 | 16.97 |
| 9255.00 | 46.10 | PK | H | 37.80 | 5.62 | 36.77 | 46.73 | 74.00 | 27.27 |
| 9255.00 | 35.39 | AV | H | 37.80 | 5.62 | 36.77 | 36.02 | 54.00 | 17.98 |

802.11 ac20 Mode (Chain0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 71.02 | PK | H | 33.59 | 3.58 | 0.00 | 102.17 | N/A | N/A |
| 5180.00 | 59.38 | AV | H | 33.59 | 3.58 | 0.00 | 90.53 | N/A | N/A |
| 5180.00 | 60.57 | PK | V | 33.59 | 3.58 | 0.00 | 91.72 | N/A | N/A |
| 5180.00 | 49.45 | AV | V | 33.59 | 3.58 | 0.00 | 80.60 | N/A | N/A |
| 5150.00 | 27.35 | PK | H | 33.54 | 3.56 | 0.00 | 58.43 | 74.00 | 15.57 |
| 5150.00 | 14.68 | AV | H | 33.54 | 3.56 | 0.00 | 45.76 | 54.00 | 8.24 |
| 10360.00 | 64.96 | PK | H | 38.17 | 6.29 | 36.85 | 66.55 | 74.00 | 7.45 |
| 10360.00 | 51.58 | AV | H | 38.17 | 6.29 | 36.85 | 53.17 | 54.00 | 0.83 |
| 15540.00 | 46.43 | PK | H | 38.06 | 8.85 | 39.04 | 48.28 | 74.00 | 25.72 |
| 15540.00 | 35.29 | AV | H | 38.06 | 8.85 | 39.04 | 37.14 | 54.00 | 16.86 |
| 8987.00 | 46.41 | PK | H | 37.69 | 5.48 | 36.93 | 46.63 | 74.00 | 27.37 |
| 8987.00 | 35.21 | AV | H | 37.69 | 5.48 | 36.93 | 35.43 | 54.00 | 18.57 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 70.65 | PK | H | 33.62 | 3.60 | 0.00 | 101.85 | N/A | N/A |
| 5200.00 | 59.49 | AV | H | 33.62 | 3.60 | 0.00 | 90.69 | N/A | N/A |
| 5200.00 | 60.37 | PK | V | 33.62 | 3.60 | 0.00 | 91.57 | N/A | N/A |
| 5200.00 | 49.78 | AV | V | 33.62 | 3.60 | 0.00 | 80.98 | N/A | N/A |
| 10400.00 | 64.90 | PK | H | 38.18 | 6.32 | 36.86 | 66.52 | 74.00 | 7.48 |
| 10400.00 | 51.67 | AV | H | 38.18 | 6.32 | 36.86 | 53.29 | 54.00 | 0.71 |
| 15600.00 | 46.36 | PK | H | 38.00 | 8.83 | 39.09 | 48.08 | 74.00 | 25.92 |
| 15600.00 | 35.46 | AV | H | 38.00 | 8.83 | 39.09 | 37.18 | 54.00 | 16.82 |
| 8634.00 | 46.35 | PK | H | 37.48 | 5.26 | 37.07 | 46.00 | 74.00 | 28 |
| 8634.00 | 35.24 | AV | H | 37.48 | 5.26 | 37.07 | 34.89 | 54.00 | 19.11 |
| 9514.00 | 45.55 | PK | H | 37.91 | 5.75 | 36.61 | 46.58 | 74.00 | 27.42 |
| 9514.00 | 34.97 | AV | H | 37.91 | 5.75 | 36.61 | 36.00 | 54.00 | 18 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 71.41 | PK | H | 33.68 | 3.52 | 0.00 | 102.59 | N/A | N/A |
| 5240.00 | 59.37 | AV | H | 33.68 | 3.52 | 0.00 | 90.55 | N/A | N/A |
| 5240.00 | 60.58 | PK | V | 33.68 | 3.52 | 0.00 | 91.76 | N/A | N/A |
| 5240.00 | 49.27 | AV | V | 33.68 | 3.52 | 0.00 | 80.45 | N/A | N/A |
| 5350.00 | 27.31 | PK | H | 33.86 | 3.52 | 0.00 | 58.67 | 74.00 | 15.33 |
| 5350.00 | 15.24 | AV | H | 33.86 | 3.52 | 0.00 | 46.60 | 54.00 | 7.40 |
| 10480.00 | 64.89 | PK | H | 38.20 | 6.37 | 36.88 | 66.56 | 74.00 | 7.44 |
| 10480.00 | 51.71 | AV | H | 38.20 | 6.37 | 36.88 | 53.38 | 54.00 | 0.62 |
| 15720.00 | 46.44 | PK | H | 37.88 | 8.79 | 39.18 | 47.91 | 74.00 | 26.09 |
| 15720.00 | 35.37 | AV | H | 37.88 | 8.79 | 39.18 | 36.84 | 54.00 | 17.16 |
| 9655.00 | 46.15 | PK | H | 37.96 | 5.84 | 36.66 | 47.27 | 74.00 | 26.73 |
| 9655.00 | 35.20 | AV | H | 37.96 | 5.84 | 36.66 | 36.32 | 54.00 | 17.68 |

802.11 n ht40 Mode (Chain0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 67.19 | PK | H | 33.60 | 3.59 | 0.00 | 98.36 | N/A | N/A |
| 5190.00 | 55.31 | AV | H | 33.60 | 3.59 | 0.00 | 86.48 | N/A | N/A |
| 5190.00 | 57.14 | PK | V | 33.60 | 3.59 | 0.00 | 88.31 | N/A | N/A |
| 5190.00 | 46.27 | AV | V | 33.60 | 3.59 | 0.00 | 77.44 | N/A | N/A |
| 5150.00 | 26.38 | PK | H | 33.54 | 3.56 | 0.00 | 57.46 | 74.00 | 16.54 |
| 5150.00 | 14.35 | AV | H | 33.54 | 3.56 | 0.00 | 45.43 | 54.00 | 8.57 |
| 10380.00 | 64.90 | PK | H | 38.18 | 6.31 | 36.85 | 66.52 | 74.00 | 7.48 |
| 10380.00 | 51.94 | AV | H | 38.18 | 6.31 | 36.85 | 53.56 | 54.00 | 0.44 |
| 15570.00 | 46.41 | PK | H | 38.03 | 8.84 | 39.06 | 48.20 | 74.00 | 25.80 |
| 15570.00 | 35.59 | AV | H | 38.03 | 8.84 | 39.06 | 37.38 | 54.00 | 16.62 |
| 8524.00 | 46.50 | PK | H | 37.41 | 5.19 | 37.11 | 45.97 | 74.00 | 28.03 |
| 8524.00 | 35.43 | AV | H | 37.41 | 5.19 | 37.11 | 34.90 | 54.00 | 19.10 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 65.93 | PK | H | 33.67 | 3.54 | 0.00 | 97.12 | N/A | N/A |
| 5230.00 | 54.21 | AV | H | 33.67 | 3.54 | 0.00 | 85.40 | N/A | N/A |
| 5230.00 | 54.90 | PK | V | 33.67 | 3.54 | 0.00 | 86.09 | N/A | N/A |
| 5230.00 | 43.65 | AV | V | 33.67 | 3.54 | 0.00 | 74.84 | N/A | N/A |
| 5350.00 | 25.65 | PK | H | 33.86 | 3.52 | 0.00 | 57.01 | 74.00 | 16.99 |
| 5350.00 | 14.25 | AV | H | 33.86 | 3.52 | 0.00 | 45.61 | 54.00 | 8.39 |
| 10460.00 | 64.94 | PK | H | 38.19 | 6.36 | 36.87 | 66.60 | 74.00 | 7.40 |
| 10460.00 | 51.54 | AV | H | 38.19 | 6.36 | 36.87 | 53.20 | 54.00 | 0.80 |
| 15690.00 | 46.47 | PK | H | 37.91 | 8.80 | 39.15 | 48.01 | 74.00 | 25.99 |
| 15690.00 | 35.50 | AV | H | 37.91 | 8.80 | 39.15 | 37.04 | 54.00 | 16.96 |
| 9634.00 | 46.36 | PK | H | 37.95 | 5.83 | 36.65 | 47.47 | 74.00 | 26.53 |
| 9634.00 | 35.31 | AV | H | 37.95 | 5.83 | 36.65 | 36.42 | 54.00 | 17.58 |

802.11 ac40 Mode (Chain0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 67.01 | PK | H | 33.60 | 3.59 | 0.00 | 98.18 | N/A | N/A |
| 5190.00 | 55.21 | AV | H | 33.60 | 3.59 | 0.00 | 86.38 | N/A | N/A |
| 5190.00 | 56.23 | PK | V | 33.60 | 3.59 | 0.00 | 87.40 | N/A | N/A |
| 5190.00 | 45.31 | AV | V | 33.60 | 3.59 | 0.00 | 76.48 | N/A | N/A |
| 5150.00 | 26.52 | PK | H | 33.54 | 3.56 | 0.00 | 57.60 | 74.00 | 16.40 |
| 5150.00 | 14.44 | AV | H | 33.54 | 3.56 | 0.00 | 45.52 | 54.00 | 8.48 |
| 10380.00 | 63.24 | PK | H | 38.18 | 6.31 | 36.85 | 64.86 | 74.00 | 9.14 |
| 10380.00 | 50.22 | AV | H | 38.18 | 6.31 | 36.85 | 51.84 | 54.00 | 2.16 |
| 15570.00 | 46.55 | PK | H | 38.03 | 8.84 | 39.06 | 48.34 | 74.00 | 25.66 |
| 15570.00 | 35.58 | AV | H | 38.03 | 8.84 | 39.06 | 37.37 | 54.00 | 16.63 |
| 8741.00 | 46.44 | PK | H | 37.54 | 5.32 | 37.03 | 46.25 | 74.00 | 27.75 |
| 8741.00 | 35.18 | AV | H | 37.54 | 5.32 | 37.03 | 34.99 | 54.00 | 19.01 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 66.84 | PK | H | 33.67 | 3.54 | 0.00 | 98.03 | N/A | N/A |
| 5230.00 | 55.47 | AV | H | 33.67 | 3.54 | 0.00 | 86.66 | N/A | N/A |
| 5230.00 | 56.55 | PK | V | 33.67 | 3.54 | 0.00 | 87.74 | N/A | N/A |
| 5230.00 | 45.67 | AV | V | 33.67 | 3.54 | 0.00 | 76.86 | N/A | N/A |
| 5350.00 | 26.56 | PK | H | 33.86 | 3.52 | 0.00 | 57.92 | 74.00 | 16.08 |
| 5350.00 | 14.49 | AV | H | 33.86 | 3.52 | 0.00 | 45.85 | 54.00 | 8.15 |
| 10460.00 | 63.54 | PK | H | 38.19 | 6.36 | 36.87 | 65.20 | 74.00 | 8.80 |
| 10460.00 | 50.56 | AV | H | 38.19 | 6.36 | 36.87 | 52.22 | 54.00 | 1.78 |
| 15690.00 | 46.36 | PK | H | 37.91 | 8.80 | 39.15 | 47.90 | 74.00 | 26.10 |
| 15690.00 | 35.44 | AV | H | 37.91 | 8.80 | 39.15 | 36.98 | 54.00 | 17.02 |
| 9655.00 | 46.33 | PK | H | 37.96 | 5.84 | 36.66 | 47.45 | 74.00 | 26.55 |
| 9655.00 | 35.28 | AV | H | 37.96 | 5.84 | 36.66 | 36.40 | 54.00 | 17.60 |

802.11 ac80 Mode (Chain0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 63.55 | PK | H | 33.64 | 3.58 | 0.00 | 94.75 | N/A | N/A |
| 5210.00 | 52.01 | AV | H | 33.64 | 3.58 | 0.00 | 83.21 | N/A | N/A |
| 5210.00 | 51.46 | PK | V | 33.64 | 3.58 | 0.00 | 82.66 | N/A | N/A |
| 5210.00 | 41.03 | AV | V | 33.64 | 3.58 | 0.00 | 72.23 | N/A | N/A |
| 5150.00 | 26.58 | PK | H | 33.54 | 3.56 | 0.00 | 57.66 | 74.00 | 16.34 |
| 5150.00 | 14.62 | AV | H | 33.54 | 3.56 | 0.00 | 45.70 | 54.00 | 8.30 |
| 5350.00 | 26.58 | PK | H | 33.86 | 3.52 | 0.00 | 57.94 | 74.00 | 16.06 |
| 5350.00 | 14.69 | AV | H | 33.86 | 3.52 | 0.00 | 46.05 | 54.00 | 7.95 |
| 10420.00 | 62.54 | PK | H | 38.18 | 6.33 | 36.86 | 64.17 | 74.00 | 9.83 |
| 10420.00 | 49.67 | AV | H | 38.18 | 6.33 | 36.86 | 51.30 | 54.00 | 2.70 |
| 15630.00 | 46.47 | PK | H | 37.97 | 8.82 | 39.11 | 48.13 | 74.00 | 25.87 |
| 15630.00 | 35.58 | AV | H | 37.97 | 8.82 | 39.11 | 37.24 | 54.00 | 16.76 |
| 9685.00 | 46.27 | PK | H | 37.97 | 5.86 | 36.67 | 47.41 | 74.00 | 26.59 |
| 9685.00 | 35.31 | AV | H | 37.97 | 5.86 | 36.67 | 36.45 | 54.00 | 17.55 |

**Radio 0, Non-beamforming 2TX**
802.11a Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.76 | PK | H | 33.59 | 3.58 | 0.00 | 103.91 | N/A | N/A |
| 5180.00 | 62.74 | AV | H | 33.59 | 3.58 | 0.00 | 93.89 | N/A | N/A |
| 5180.00 | 62.49 | PK | V | 33.59 | 3.58 | 0.00 | 93.64 | N/A | N/A |
| 5180.00 | 52.45 | AV | V | 33.59 | 3.58 | 0.00 | 83.60 | N/A | N/A |
| 5150.00 | 26.57 | PK | H | 33.54 | 3.56 | 0.00 | 57.65 | 74.00 | 16.35 |
| 5150.00 | 14.56 | AV | H | 33.54 | 3.56 | 0.00 | 45.64 | 54.00 | 8.36 |
| 10360.00 | 63.39 | PK | H | 38.17 | 6.29 | 36.85 | 64.98 | 74.00 | 9.02 |
| 10360.00 | 50.34 | AV | H | 38.17 | 6.29 | 36.85 | 51.93 | 54.00 | 2.07 |
| 15540.00 | 46.57 | PK | H | 38.06 | 8.85 | 39.04 | 48.42 | 74.00 | 25.58 |
| 15540.00 | 32.67 | AV | H | 38.06 | 8.85 | 39.04 | 34.52 | 54.00 | 19.48 |
| 9355.00 | 46.58 | PK | H | 37.84 | 5.67 | 36.70 | 47.37 | 74.00 | 26.63 |
| 9355.00 | 32.35 | AV | H | 37.84 | 5.67 | 36.70 | 33.14 | 54.00 | 20.86 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 72.63 | PK | H | 33.62 | 3.60 | 0.00 | 103.83 | N/A | N/A |
| 5200.00 | 62.57 | AV | H | 33.62 | 3.60 | 0.00 | 93.77 | N/A | N/A |
| 5200.00 | 62.56 | PK | V | 33.62 | 3.60 | 0.00 | 93.76 | N/A | N/A |
| 5200.00 | 52.18 | AV | V | 33.62 | 3.60 | 0.00 | 83.38 | N/A | N/A |
| 10400.00 | 63.23 | PK | H | 38.18 | 6.32 | 36.86 | 64.85 | 74.00 | 9.15 |
| 10400.00 | 50.28 | AV | H | 38.18 | 6.32 | 36.86 | 51.90 | 54.00 | 2.1 |
| 15600.00 | 46.48 | PK | H | 38.00 | 8.83 | 39.09 | 48.20 | 74.00 | 25.8 |
| 15600.00 | 32.95 | AV | H | 38.00 | 8.83 | 39.09 | 34.67 | 54.00 | 19.33 |
| 8469.00 | 46.47 | PK | H | 37.36 | 5.14 | 37.10 | 45.85 | 74.00 | 28.15 |
| 8469.00 | 32.55 | AV | H | 37.36 | 5.14 | 37.10 | 31.93 | 54.00 | 22.07 |
| 8695.00 | 45.36 | PK | H | 37.52 | 5.29 | 37.05 | 45.10 | 74.00 | 28.9 |
| 8695.00 | 32.27 | AV | H | 37.52 | 5.29 | 37.05 | 32.01 | 54.00 | 21.99 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 72.57 | PK | H | 33.68 | 3.52 | 0.00 | 103.75 | N/A | N/A |
| 5240.00 | 62.95 | AV | H | 33.68 | 3.52 | 0.00 | 94.13 | N/A | N/A |
| 5240.00 | 62.27 | PK | V | 33.68 | 3.52 | 0.00 | 93.45 | N/A | N/A |
| 5240.00 | 52.47 | AV | V | 33.68 | 3.52 | 0.00 | 83.65 | N/A | N/A |
| 5350.00 | 26.48 | PK | H | 33.86 | 3.52 | 0.00 | 57.84 | 74.00 | 16.16 |
| 5350.00 | 14.46 | AV | H | 33.86 | 3.52 | 0.00 | 45.82 | 54.00 | 8.18 |
| 10480.00 | 63.68 | PK | H | 38.20 | 6.37 | 36.88 | 65.35 | 74.00 | 8.65 |
| 10480.00 | 50.33 | AV | H | 38.20 | 6.37 | 36.88 | 52.00 | 54.00 | 2.00 |
| 15720.00 | 46.56 | PK | H | 37.88 | 8.79 | 39.18 | 48.03 | 74.00 | 25.97 |
| 15720.00 | 32.44 | AV | H | 37.88 | 8.79 | 39.18 | 33.91 | 54.00 | 20.09 |
| 8989.00 | 46.42 | PK | H | 37.69 | 5.48 | 36.93 | 46.64 | 74.00 | 27.36 |
| 8989.00 | 32.59 | AV | H | 37.69 | 5.48 | 36.93 | 32.81 | 54.00 | 21.19 |

802.11n ht20 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.51 | PK | H | 33.59 | 3.58 | 0.00 | 103.66 | N/A | N/A |
| 5180.00 | 62.79 | AV | H | 33.59 | 3.58 | 0.00 | 93.94 | N/A | N/A |
| 5180.00 | 63.61 | PK | V | 33.59 | 3.58 | 0.00 | 94.76 | N/A | N/A |
| 5180.00 | 53.27 | AV | V | 33.59 | 3.58 | 0.00 | 84.42 | N/A | N/A |
| 5150.00 | 26.77 | PK | H | 33.54 | 3.56 | 0.00 | 57.85 | 74.00 | 16.15 |
| 5150.00 | 15.08 | AV | H | 33.54 | 3.56 | 0.00 | 46.16 | 54.00 | 7.84 |
| 10360.00 | 62.89 | PK | H | 38.17 | 6.29 | 36.85 | 64.48 | 74.00 | 9.52 |
| 10360.00 | 50.63 | AV | H | 38.17 | 6.29 | 36.85 | 52.22 | 54.00 | 1.78 |
| 15540.00 | 46.59 | PK | H | 38.06 | 8.85 | 39.04 | 48.44 | 74.00 | 25.56 |
| 15540.00 | 33.01 | AV | H | 38.06 | 8.85 | 39.04 | 34.86 | 54.00 | 19.14 |
| 8677.00 | 46.83 | PK | H | 37.51 | 5.28 | 37.05 | 46.55 | 74.00 | 27.45 |
| 8677.00 | 32.34 | AV | H | 37.51 | 5.28 | 37.05 | 32.06 | 54.00 | 21.94 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 72.36 | PK | H | 33.62 | 3.60 | 0.00 | 103.56 | N/A | N/A |
| 5200.00 | 62.84 | AV | H | 33.62 | 3.60 | 0.00 | 94.04 | N/A | N/A |
| 5200.00 | 63.35 | PK | V | 33.62 | 3.60 | 0.00 | 94.55 | N/A | N/A |
| 5200.00 | 53.02 | AV | V | 33.62 | 3.60 | 0.00 | 84.22 | N/A | N/A |
| 10400.00 | 63.17 | PK | H | 38.18 | 6.32 | 36.86 | 64.79 | 74.00 | 9.21 |
| 10400.00 | 50.04 | AV | H | 38.18 | 6.32 | 36.86 | 51.66 | 54.00 | 2.34 |
| 15600.00 | 46.73 | PK | H | 38.00 | 8.83 | 39.09 | 48.45 | 74.00 | 25.55 |
| 15600.00 | 33.01 | AV | H | 38.00 | 8.83 | 39.09 | 34.73 | 54.00 | 19.27 |
| 9997.00 | 46.37 | PK | H | 38.10 | 6.07 | 36.77 | 47.75 | 74.00 | 26.25 |
| 9997.00 | 32.65 | AV | H | 38.10 | 6.07 | 36.77 | 34.03 | 54.00 | 19.97 |
| 8675.00 | 45.59 | PK | H | 37.51 | 5.28 | 37.05 | 45.31 | 74.00 | 28.69 |
| 8675.00 | 32.43 | AV | H | 37.51 | 5.28 | 37.05 | 32.15 | 54.00 | 21.85 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 72.72 | PK | H | 33.68 | 3.52 | 0.00 | 103.90 | N/A | N/A |
| 5240.00 | 63.07 | AV | H | 33.68 | 3.52 | 0.00 | 94.25 | N/A | N/A |
| 5240.00 | 63.36 | PK | V | 33.68 | 3.52 | 0.00 | 94.54 | N/A | N/A |
| 5240.00 | 53.52 | AV | V | 33.68 | 3.52 | 0.00 | 84.70 | N/A | N/A |
| 5350.00 | 27.07 | PK | H | 33.86 | 3.52 | 0.00 | 58.43 | 74.00 | 15.57 |
| 5350.00 | 15.17 | AV | H | 33.86 | 3.52 | 0.00 | 46.53 | 54.00 | 7.47 |
| 10480.00 | 63.02 | PK | H | 38.20 | 6.37 | 36.88 | 64.69 | 74.00 | 9.31 |
| 10480.00 | 50.46 | AV | H | 38.20 | 6.37 | 36.88 | 52.13 | 54.00 | 1.87 |
| 15720.00 | 46.88 | PK | H | 37.88 | 8.79 | 39.18 | 48.35 | 74.00 | 25.65 |
| 15720.00 | 32.37 | AV | H | 37.88 | 8.79 | 39.18 | 33.84 | 54.00 | 20.16 |
| 9366.00 | 46.64 | PK | H | 37.85 | 5.67 | 36.70 | 47.44 | 74.00 | 26.56 |
| 9366.00 | 32.41 | AV | H | 37.85 | 5.67 | 36.70 | 33.21 | 54.00 | 20.79 |

802.11 ac20 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.68 | PK | H | 33.59 | 3.58 | 0.00 | 103.83 | N/A | N/A |
| 5180.00 | 62.53 | AV | H | 33.59 | 3.58 | 0.00 | 93.68 | N/A | N/A |
| 5180.00 | 63.42 | PK | V | 33.59 | 3.58 | 0.00 | 94.57 | N/A | N/A |
| 5180.00 | 53.47 | AV | V | 33.59 | 3.58 | 0.00 | 84.62 | N/A | N/A |
| 5150.00 | 27.03 | PK | H | 33.54 | 3.56 | 0.00 | 58.11 | 74.00 | 15.89 |
| 5150.00 | 14.97 | AV | H | 33.54 | 3.56 | 0.00 | 46.05 | 54.00 | 7.95 |
| 10360.00 | 63.06 | PK | H | 38.17 | 6.29 | 36.85 | 64.65 | 74.00 | 9.35 |
| 10360.00 | 50.79 | AV | H | 38.17 | 6.29 | 36.85 | 52.38 | 54.00 | 1.62 |
| 15540.00 | 46.75 | PK | H | 38.06 | 8.85 | 39.04 | 48.60 | 74.00 | 25.40 |
| 15540.00 | 33.19 | AV | H | 38.06 | 8.85 | 39.04 | 35.04 | 54.00 | 18.96 |
| 8987.00 | 47.07 | PK | H | 37.69 | 5.48 | 36.93 | 47.29 | 74.00 | 26.71 |
| 8987.00 | 32.09 | AV | H | 37.69 | 5.48 | 36.93 | 32.31 | 54.00 | 21.69 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 72.06 | PK | H | 33.62 | 3.60 | 0.00 | 103.26 | N/A | N/A |
| 5200.00 | 62.68 | AV | H | 33.62 | 3.60 | 0.00 | 93.88 | N/A | N/A |
| 5200.00 | 63.14 | PK | V | 33.62 | 3.60 | 0.00 | 94.34 | N/A | N/A |
| 5200.00 | 53.13 | AV | V | 33.62 | 3.60 | 0.00 | 84.33 | N/A | N/A |
| 10400.00 | 62.92 | PK | H | 38.18 | 6.32 | 36.86 | 64.54 | 74.00 | 9.46 |
| 10400.00 | 49.98 | AV | H | 38.18 | 6.32 | 36.86 | 51.60 | 54.00 | 2.4 |
| 15600.00 | 46.79 | PK | H | 38.00 | 8.83 | 39.09 | 48.51 | 74.00 | 25.49 |
| 15600.00 | 33.12 | AV | H | 38.00 | 8.83 | 39.09 | 34.84 | 54.00 | 19.16 |
| 8634.00 | 46.29 | PK | H | 37.48 | 5.26 | 37.07 | 45.94 | 74.00 | 28.06 |
| 8634.00 | 32.76 | AV | H | 37.48 | 5.26 | 37.07 | 32.41 | 54.00 | 21.59 |
| 9514.00 | 45.29 | PK | H | 37.91 | 5.75 | 36.61 | 46.32 | 74.00 | 27.68 |
| 9514.00 | 32.54 | AV | H | 37.91 | 5.75 | 36.61 | 33.57 | 54.00 | 20.43 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 72.81 | PK | H | 33.68 | 3.52 | 0.00 | 103.99 | N/A | N/A |
| 5240.00 | 62.88 | AV | H | 33.68 | 3.52 | 0.00 | 94.06 | N/A | N/A |
| 5240.00 | 63.36 | PK | V | 33.68 | 3.52 | 0.00 | 94.54 | N/A | N/A |
| 5240.00 | 53.45 | AV | V | 33.68 | 3.52 | 0.00 | 84.63 | N/A | N/A |
| 5350.00 | 26.97 | PK | H | 33.86 | 3.52 | 0.00 | 58.33 | 74.00 | 15.67 |
| 5350.00 | 15.33 | AV | H | 33.86 | 3.52 | 0.00 | 46.69 | 54.00 | 7.31 |
| 10480.00 | 62.84 | PK | H | 38.20 | 6.37 | 36.88 | 64.51 | 74.00 | 9.49 |
| 10480.00 | 50.39 | AV | H | 38.20 | 6.37 | 36.88 | 52.06 | 54.00 | 1.94 |
| 15720.00 | 46.72 | PK | H | 37.88 | 8.79 | 39.18 | 48.19 | 74.00 | 25.81 |
| 15720.00 | 33.26 | AV | H | 37.88 | 8.79 | 39.18 | 34.73 | 54.00 | 19.27 |
| 9655.00 | 47.05 | PK | H | 37.96 | 5.84 | 36.66 | 48.17 | 74.00 | 25.83 |
| 9655.00 | 32.33 | AV | H | 37.96 | 5.84 | 36.66 | 33.45 | 54.00 | 20.55 |

802.11 n ht40 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 68.57 | PK | H | 33.60 | 3.59 | 0.00 | 99.74 | N/A | N/A |
| 5190.00 | 58.31 | AV | H | 33.60 | 3.59 | 0.00 | 89.48 | N/A | N/A |
| 5190.00 | 58.32 | PK | V | 33.60 | 3.59 | 0.00 | 89.49 | N/A | N/A |
| 5190.00 | 48.36 | AV | V | 33.60 | 3.59 | 0.00 | 79.53 | N/A | N/A |
| 5150.00 | 26.31 | PK | H | 33.54 | 3.56 | 0.00 | 57.39 | 74.00 | 16.61 |
| 5150.00 | 14.53 | AV | H | 33.54 | 3.56 | 0.00 | 45.61 | 54.00 | 8.39 |
| 10380.00 | 63.43 | PK | H | 38.18 | 6.31 | 36.85 | 65.05 | 74.00 | 8.95 |
| 10380.00 | 49.88 | AV | H | 38.18 | 6.31 | 36.85 | 51.50 | 54.00 | 2.50 |
| 15570.00 | 46.94 | PK | H | 38.03 | 8.84 | 39.06 | 48.73 | 74.00 | 25.27 |
| 15570.00 | 33.14 | AV | H | 38.03 | 8.84 | 39.06 | 34.93 | 54.00 | 19.07 |
| 8524.00 | 46.32 | PK | H | 37.41 | 5.19 | 37.11 | 45.79 | 74.00 | 28.21 |
| 8524.00 | 32.57 | AV | H | 37.41 | 5.19 | 37.11 | 32.04 | 54.00 | 21.96 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 68.44 | PK | H | 33.67 | 3.54 | 0.00 | 99.63 | N/A | N/A |
| 5230.00 | 58.41 | AV | H | 33.67 | 3.54 | 0.00 | 89.60 | N/A | N/A |
| 5230.00 | 58.28 | PK | V | 33.67 | 3.54 | 0.00 | 89.47 | N/A | N/A |
| 5230.00 | 48.47 | AV | V | 33.67 | 3.54 | 0.00 | 79.66 | N/A | N/A |
| 5350.00 | 26.49 | PK | H | 33.86 | 3.52 | 0.00 | 57.85 | 74.00 | 16.15 |
| 5350.00 | 14.62 | AV | H | 33.86 | 3.52 | 0.00 | 45.98 | 54.00 | 8.02 |
| 10460.00 | 63.42 | PK | H | 38.19 | 6.36 | 36.87 | 65.08 | 74.00 | 8.92 |
| 10460.00 | 50.04 | AV | H | 38.19 | 6.36 | 36.87 | 51.70 | 54.00 | 2.30 |
| 15690.00 | 46.89 | PK | H | 37.91 | 8.80 | 39.15 | 48.43 | 74.00 | 25.57 |
| 15690.00 | 33.43 | AV | H | 37.91 | 8.80 | 39.15 | 34.97 | 54.00 | 19.03 |
| 9634.00 | 46.47 | PK | H | 37.95 | 5.83 | 36.65 | 47.58 | 74.00 | 26.42 |
| 9634.00 | 32.49 | AV | H | 37.95 | 5.83 | 36.65 | 33.60 | 54.00 | 20.40 |

802.11 ac40 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 68.75 | PK | H | 33.60 | 3.59 | 0.00 | 99.92 | N/A | N/A |
| 5190.00 | 58.14 | AV | H | 33.60 | 3.59 | 0.00 | 89.31 | N/A | N/A |
| 5190.00 | 58.29 | PK | V | 33.60 | 3.59 | 0.00 | 89.46 | N/A | N/A |
| 5190.00 | 48.54 | AV | V | 33.60 | 3.59 | 0.00 | 79.71 | N/A | N/A |
| 5150.00 | 26.45 | PK | H | 33.54 | 3.56 | 0.00 | 57.53 | 74.00 | 16.47 |
| 5150.00 | 14.68 | AV | H | 33.54 | 3.56 | 0.00 | 45.76 | 54.00 | 8.24 |
| 10380.00 | 63.63 | PK | H | 38.18 | 6.31 | 36.85 | 65.25 | 74.00 | 8.75 |
| 10380.00 | 49.69 | AV | H | 38.18 | 6.31 | 36.85 | 51.31 | 54.00 | 2.69 |
| 15570.00 | 46.93 | PK | H | 38.03 | 8.84 | 39.06 | 48.72 | 74.00 | 25.28 |
| 15570.00 | 33.34 | AV | H | 38.03 | 8.84 | 39.06 | 35.13 | 54.00 | 18.87 |
| 8741.00 | 46.18 | PK | H | 37.54 | 5.32 | 37.03 | 45.99 | 74.00 | 28.01 |
| 8741.00 | 32.49 | AV | H | 37.54 | 5.32 | 37.03 | 32.30 | 54.00 | 21.70 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 68.48 | PK | H | 33.67 | 3.54 | 0.00 | 99.67 | N/A | N/A |
| 5230.00 | 58.12 | AV | H | 33.67 | 3.54 | 0.00 | 89.31 | N/A | N/A |
| 5230.00 | 58.16 | PK | V | 33.67 | 3.54 | 0.00 | 89.35 | N/A | N/A |
| 5230.00 | 48.34 | AV | V | 33.67 | 3.54 | 0.00 | 79.53 | N/A | N/A |
| 5350.00 | 26.46 | PK | H | 33.86 | 3.52 | 0.00 | 57.82 | 74.00 | 16.18 |
| 5350.00 | 14.71 | AV | H | 33.86 | 3.52 | 0.00 | 46.07 | 54.00 | 7.93 |
| 10460.00 | 63.34 | PK | H | 38.19 | 6.36 | 36.87 | 65.00 | 74.00 | 9.00 |
| 10460.00 | 49.97 | AV | H | 38.19 | 6.36 | 36.87 | 51.63 | 54.00 | 2.37 |
| 15690.00 | 46.86 | PK | H | 37.91 | 8.80 | 39.15 | 48.40 | 74.00 | 25.60 |
| 15690.00 | 33.04 | AV | H | 37.91 | 8.80 | 39.15 | 34.58 | 54.00 | 19.42 |
| 9655.00 | 46.24 | PK | H | 37.96 | 5.84 | 36.66 | 47.36 | 74.00 | 26.64 |
| 9655.00 | 32.71 | AV | H | 37.96 | 5.84 | 36.66 | 33.83 | 54.00 | 20.17 |

802.11 ac80 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 64.47 | PK | H | 33.64 | 3.58 | 0.00 | 95.67 | N/A | N/A |
| 5210.00 | 53.99 | AV | H | 33.64 | 3.58 | 0.00 | 85.19 | N/A | N/A |
| 5210.00 | 51.27 | PK | V | 33.64 | 3.58 | 0.00 | 82.47 | N/A | N/A |
| 5210.00 | 41.12 | AV | V | 33.64 | 3.58 | 0.00 | 72.32 | N/A | N/A |
| 5150.00 | 26.58 | PK | H | 33.54 | 3.56 | 0.00 | 57.66 | 74.00 | 16.34 |
| 5150.00 | 14.44 | AV | H | 33.54 | 3.56 | 0.00 | 45.52 | 54.00 | 8.48 |
| 5350.00 | 26.76 | PK | H | 33.86 | 3.52 | 0.00 | 58.12 | 74.00 | 15.88 |
| 5350.00 | 14.75 | AV | H | 33.86 | 3.52 | 0.00 | 46.11 | 54.00 | 7.89 |
| 10420.00 | 62.57 | PK | H | 38.18 | 6.33 | 36.86 | 64.20 | 74.00 | 9.80 |
| 10420.00 | 49.81 | AV | H | 38.18 | 6.33 | 36.86 | 51.44 | 54.00 | 2.56 |
| 15630.00 | 46.61 | PK | H | 37.97 | 8.82 | 39.11 | 48.27 | 74.00 | 25.73 |
| 15630.00 | 32.37 | AV | H | 37.97 | 8.82 | 39.11 | 34.03 | 54.00 | 19.97 |
| 9685.00 | 46.32 | PK | H | 37.97 | 5.86 | 36.67 | 47.46 | 74.00 | 26.54 |
| 9685.00 | 32.45 | AV | H | 37.97 | 5.86 | 36.67 | 33.59 | 54.00 | 20.41 |

**Radio 0, 5150-5250MHz , Non-beamforming 3TX**

802.11a Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 76.68 | PK | H | 33.59 | 3.58 | 0.00 | 107.83 | N/A | N/A |
| 5180.00 | 66.76 | AV | H | 33.59 | 3.58 | 0.00 | 97.91 | N/A | N/A |
| 5180.00 | 64.94 | PK | V | 33.59 | 3.58 | 0.00 | 96.09 | N/A | N/A |
| 5180.00 | 54.45 | AV | V | 33.59 | 3.58 | 0.00 | 85.60 | N/A | N/A |
| 5150.00 | 26.84 | PK | H | 33.54 | 3.56 | 0.00 | 57.92 | 74.00 | 16.08 |
| 5150.00 | 14.72 | AV | H | 33.54 | 3.56 | 0.00 | 45.80 | 54.00 | 8.20 |
| 10360.00 | 63.44 | PK | H | 38.17 | 6.29 | 36.85 | 65.03 | 74.00 | 8.97 |
| 10360.00 | 49.99 | AV | H | 38.17 | 6.29 | 36.85 | 51.58 | 54.00 | 2.42 |
| 15540.00 | 46.27 | PK | H | 38.06 | 8.85 | 39.04 | 48.12 | 74.00 | 25.88 |
| 15540.00 | 32.88 | AV | H | 38.06 | 8.85 | 39.04 | 34.73 | 54.00 | 19.27 |
| 9355.00 | 46.66 | PK | H | 37.84 | 5.67 | 36.70 | 47.45 | 74.00 | 26.55 |
| 9355.00 | 32.08 | AV | H | 37.84 | 5.67 | 36.70 | 32.87 | 54.00 | 21.13 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 76.83 | PK | H | 33.62 | 3.60 | 0.00 | 108.03 | N/A | N/A |
| 5200.00 | 67.01 | AV | H | 33.62 | 3.60 | 0.00 | 98.21 | N/A | N/A |
| 5200.00 | 64.71 | PK | V | 33.62 | 3.60 | 0.00 | 95.91 | N/A | N/A |
| 5200.00 | 54.94 | AV | V | 33.62 | 3.60 | 0.00 | 86.14 | N/A | N/A |
| 10400.00 | 63.21 | PK | H | 38.18 | 6.32 | 36.86 | 64.83 | 74.00 | 9.17 |
| 10400.00 | 50.23 | AV | H | 38.18 | 6.32 | 36.86 | 51.85 | 54.00 | 2.15 |
| 15600.00 | 46.32 | PK | H | 38.00 | 8.83 | 39.09 | 48.04 | 74.00 | 25.96 |
| 15600.00 | 33.09 | AV | H | 38.00 | 8.83 | 39.09 | 34.81 | 54.00 | 19.19 |
| 8469.00 | 46.62 | PK | H | 37.36 | 5.14 | 37.10 | 46.00 | 74.00 | 28 |
| 8469.00 | 32.61 | AV | H | 37.36 | 5.14 | 37.10 | 31.99 | 54.00 | 22.01 |
| 8775.00 | 45.31 | PK | H | 37.57 | 5.35 | 37.02 | 45.19 | 74.00 | 28.81 |
| 8775.00 | 32.38 | AV | H | 37.57 | 5.35 | 37.02 | 32.26 | 54.00 | 21.74 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 76.54 | PK | H | 33.68 | 3.52 | 0.00 | 107.72 | N/A | N/A |
| 5240.00 | 66.72 | AV | H | 33.68 | 3.52 | 0.00 | 97.90 | N/A | N/A |
| 5240.00 | 64.81 | PK | V | 33.68 | 3.52 | 0.00 | 95.99 | N/A | N/A |
| 5240.00 | 54.23 | AV | V | 33.68 | 3.52 | 0.00 | 85.41 | N/A | N/A |
| 5350.00 | 26.71 | PK | H | 33.86 | 3.52 | 0.00 | 58.07 | 74.00 | 15.93 |
| 5350.00 | 14.52 | AV | H | 33.86 | 3.52 | 0.00 | 45.88 | 54.00 | 8.12 |
| 10480.00 | 63.73 | PK | H | 38.20 | 6.37 | 36.88 | 65.40 | 74.00 | 8.60 |
| 10480.00 | 49.83 | AV | H | 38.20 | 6.37 | 36.88 | 51.50 | 54.00 | 2.50 |
| 15720.00 | 46.36 | PK | H | 37.88 | 8.79 | 39.18 | 47.83 | 74.00 | 26.17 |
| 15720.00 | 32.69 | AV | H | 37.88 | 8.79 | 39.18 | 34.16 | 54.00 | 19.84 |
| 8989.00 | 46.45 | PK | H | 37.69 | 5.48 | 36.93 | 46.67 | 74.00 | 27.33 |
| 8989.00 | 32.37 | AV | H | 37.69 | 5.48 | 36.93 | 32.59 | 54.00 | 21.41 |

802.11n ht20 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 76.91 | PK | H | 33.59 | 3.58 | 0.00 | 108.06 | N/A | N/A |
| 5180.00 | 66.46 | AV | H | 33.59 | 3.58 | 0.00 | 97.61 | N/A | N/A |
| 5180.00 | 64.65 | PK | V | 33.59 | 3.58 | 0.00 | 95.80 | N/A | N/A |
| 5180.00 | 54.48 | AV | V | 33.59 | 3.58 | 0.00 | 85.63 | N/A | N/A |
| 5150.00 | 26.78 | PK | H | 33.54 | 3.56 | 0.00 | 57.86 | 74.00 | 16.14 |
| 5150.00 | 14.54 | AV | H | 33.54 | 3.56 | 0.00 | 45.62 | 54.00 | 8.38 |
| 10360.00 | 63.52 | PK | H | 38.17 | 6.29 | 36.85 | 65.11 | 74.00 | 8.89 |
| 10360.00 | 49.84 | AV | H | 38.17 | 6.29 | 36.85 | 51.43 | 54.00 | 2.57 |
| 15540.00 | 46.25 | PK | H | 38.06 | 8.85 | 39.04 | 48.10 | 74.00 | 25.90 |
| 15540.00 | 33.16 | AV | H | 38.06 | 8.85 | 39.04 | 35.01 | 54.00 | 18.99 |
| 8365.00 | 46.48 | PK | H | 37.24 | 5.06 | 37.01 | 45.75 | 74.00 | 28.25 |
| 8365.00 | 32.12 | AV | H | 37.24 | 5.06 | 37.01 | 31.39 | 54.00 | 22.61 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.18 | PK | H | 33.62 | 3.60 | 0.00 | 108.38 | N/A | N/A |
| 5200.00 | 67.27 | AV | H | 33.62 | 3.60 | 0.00 | 98.47 | N/A | N/A |
| 5200.00 | 64.81 | PK | V | 33.62 | 3.60 | 0.00 | 96.01 | N/A | N/A |
| 5200.00 | 54.83 | AV | V | 33.62 | 3.60 | 0.00 | 86.03 | N/A | N/A |
| 10400.00 | 63.29 | PK | H | 38.18 | 6.32 | 36.86 | 64.91 | 74.00 | 9.09 |
| 10400.00 | 50.35 | AV | H | 38.18 | 6.32 | 36.86 | 51.97 | 54.00 | 2.03 |
| 15600.00 | 46.31 | PK | H | 38.00 | 8.83 | 39.09 | 48.03 | 74.00 | 25.97 |
| 15600.00 | 33.32 | AV | H | 38.00 | 8.83 | 39.09 | 35.04 | 54.00 | 18.96 |
| 9997.00 | 46.36 | PK | H | 38.10 | 6.07 | 36.77 | 47.74 | 74.00 | 26.26 |
| 9997.00 | 32.61 | AV | H | 38.10 | 6.07 | 36.77 | 33.99 | 54.00 | 20.01 |
| 8675.00 | 45.24 | PK | H | 37.51 | 5.28 | 37.05 | 44.96 | 74.00 | 29.04 |
| 8675.00 | 32.26 | AV | H | 37.51 | 5.28 | 37.05 | 31.98 | 54.00 | 22.02 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 76.82 | PK | H | 33.68 | 3.52 | 0.00 | 108.00 | N/A | N/A |
| 5240.00 | 66.71 | AV | H | 33.68 | 3.52 | 0.00 | 97.89 | N/A | N/A |
| 5240.00 | 64.82 | PK | V | 33.68 | 3.52 | 0.00 | 96.00 | N/A | N/A |
| 5240.00 | 54.56 | AV | V | 33.68 | 3.52 | 0.00 | 85.74 | N/A | N/A |
| 5350.00 | 27.15 | PK | H | 33.86 | 3.52 | 0.00 | 58.51 | 74.00 | 15.49 |
| 5350.00 | 14.27 | AV | H | 33.86 | 3.52 | 0.00 | 45.63 | 54.00 | 8.37 |
| 10480.00 | 63.58 | PK | H | 38.20 | 6.37 | 36.88 | 65.25 | 74.00 | 8.75 |
| 10480.00 | 50.06 | AV | H | 38.20 | 6.37 | 36.88 | 51.73 | 54.00 | 2.27 |
| 15720.00 | 46.04 | PK | H | 37.88 | 8.79 | 39.18 | 47.51 | 74.00 | 26.49 |
| 15720.00 | 33.07 | AV | H | 37.88 | 8.79 | 39.18 | 34.54 | 54.00 | 19.46 |
| 9115.00 | 46.72 | PK | H | 37.75 | 5.55 | 36.86 | 47.14 | 74.00 | 26.86 |
| 9115.00 | 32.17 | AV | H | 37.75 | 5.55 | 36.86 | 32.59 | 54.00 | 21.41 |

802.11 ac20 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.18 | PK | H | 33.59 | 3.58 | 0.00 | 108.33 | N/A | N/A |
| 5180.00 | 66.31 | AV | H | 33.59 | 3.58 | 0.00 | 97.46 | N/A | N/A |
| 5180.00 | 64.75 | PK | V | 33.59 | 3.58 | 0.00 | 95.90 | N/A | N/A |
| 5180.00 | 54.38 | AV | V | 33.59 | 3.58 | 0.00 | 85.53 | N/A | N/A |
| 5150.00 | 26.62 | PK | H | 33.54 | 3.56 | 0.00 | 57.70 | 74.00 | 16.30 |
| 5150.00 | 14.58 | AV | H | 33.54 | 3.56 | 0.00 | 45.66 | 54.00 | 8.34 |
| 10360.00 | 63.34 | PK | H | 38.17 | 6.29 | 36.85 | 64.93 | 74.00 | 9.07 |
| 10360.00 | 50.01 | AV | H | 38.17 | 6.29 | 36.85 | 51.60 | 54.00 | 2.40 |
| 15540.00 | 46.35 | PK | H | 38.06 | 8.85 | 39.04 | 48.20 | 74.00 | 25.80 |
| 15540.00 | 33.34 | AV | H | 38.06 | 8.85 | 39.04 | 35.19 | 54.00 | 18.81 |
| 8987.00 | 46.44 | PK | H | 37.69 | 5.48 | 36.93 | 46.66 | 74.00 | 27.34 |
| 8987.00 | 32.28 | AV | H | 37.69 | 5.48 | 36.93 | 32.50 | 54.00 | 21.50 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 76.64 | PK | H | 33.62 | 3.60 | 0.00 | 107.84 | N/A | N/A |
| 5200.00 | 66.92 | AV | H | 33.62 | 3.60 | 0.00 | 98.12 | N/A | N/A |
| 5200.00 | 64.85 | PK | V | 33.62 | 3.60 | 0.00 | 96.05 | N/A | N/A |
| 5200.00 | 55.03 | AV | V | 33.62 | 3.60 | 0.00 | 86.23 | N/A | N/A |
| 10400.00 | 63.38 | PK | H | 38.18 | 6.32 | 36.86 | 65.00 | 74.00 | 9 |
| 10400.00 | 49.98 | AV | H | 38.18 | 6.32 | 36.86 | 51.60 | 54.00 | 2.4 |
| 15600.00 | 46.39 | PK | H | 38.00 | 8.83 | 39.09 | 48.11 | 74.00 | 25.89 |
| 15600.00 | 33.17 | AV | H | 38.00 | 8.83 | 39.09 | 34.89 | 54.00 | 19.11 |
| 8634.00 | 46.55 | PK | H | 37.48 | 5.26 | 37.07 | 46.20 | 74.00 | 27.8 |
| 8634.00 | 32.76 | AV | H | 37.48 | 5.26 | 37.07 | 32.41 | 54.00 | 21.59 |
| 9514.00 | 45.46 | PK | H | 37.91 | 5.75 | 36.61 | 46.49 | 74.00 | 27.51 |
| 9514.00 | 32.16 | AV | H | 37.91 | 5.75 | 36.61 | 33.19 | 54.00 | 20.81 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 76.69 | PK | H | 33.68 | 3.52 | 0.00 | 107.87 | N/A | N/A |
| 5240.00 | 66.56 | AV | H | 33.68 | 3.52 | 0.00 | 97.74 | N/A | N/A |
| 5240.00 | 64.53 | PK | V | 33.68 | 3.52 | 0.00 | 95.71 | N/A | N/A |
| 5240.00 | 54.31 | AV | V | 33.68 | 3.52 | 0.00 | 85.49 | N/A | N/A |
| 5350.00 | 27.01 | PK | H | 33.86 | 3.52 | 0.00 | 58.37 | 74.00 | 15.63 |
| 5350.00 | 14.45 | AV | H | 33.86 | 3.52 | 0.00 | 45.81 | 54.00 | 8.19 |
| 10480.00 | 63.27 | PK | H | 38.20 | 6.37 | 36.88 | 64.94 | 74.00 | 9.06 |
| 10480.00 | 49.96 | AV | H | 38.20 | 6.37 | 36.88 | 51.63 | 54.00 | 2.37 |
| 15720.00 | 46.15 | PK | H | 37.88 | 8.79 | 39.18 | 47.62 | 74.00 | 26.38 |
| 15720.00 | 33.18 | AV | H | 37.88 | 8.79 | 39.18 | 34.65 | 54.00 | 19.35 |
| 9655.00 | 46.34 | PK | H | 37.96 | 5.84 | 36.66 | 47.46 | 74.00 | 26.54 |
| 9655.00 | 32.35 | AV | H | 37.96 | 5.84 | 36.66 | 33.47 | 54.00 | 20.53 |

802.11 n ht40 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 71.48 | PK | H | 33.60 | 3.59 | 0.00 | 102.65 | N/A | N/A |
| 5190.00 | 61.27 | AV | H | 33.60 | 3.59 | 0.00 | 92.44 | N/A | N/A |
| 5190.00 | 60.37 | PK | V | 33.60 | 3.59 | 0.00 | 91.54 | N/A | N/A |
| 5190.00 | 50.36 | AV | V | 33.60 | 3.59 | 0.00 | 81.53 | N/A | N/A |
| 5150.00 | 26.16 | PK | H | 33.54 | 3.56 | 0.00 | 57.24 | 74.00 | 16.76 |
| 5150.00 | 14.47 | AV | H | 33.54 | 3.56 | 0.00 | 45.55 | 54.00 | 8.45 |
| 10380.00 | 63.32 | PK | H | 38.18 | 6.31 | 36.85 | 64.94 | 74.00 | 9.06 |
| 10380.00 | 49.84 | AV | H | 38.18 | 6.31 | 36.85 | 51.46 | 54.00 | 2.54 |
| 15570.00 | 46.86 | PK | H | 38.03 | 8.84 | 39.06 | 48.65 | 74.00 | 25.35 |
| 15570.00 | 33.03 | AV | H | 38.03 | 8.84 | 39.06 | 34.82 | 54.00 | 19.18 |
| 8524.00 | 46.49 | PK | H | 37.41 | 5.19 | 37.11 | 45.96 | 74.00 | 28.04 |
| 8524.00 | 32.39 | AV | H | 37.41 | 5.19 | 37.11 | 31.86 | 54.00 | 22.14 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 71.37 | PK | H | 33.67 | 3.54 | 0.00 | 102.56 | N/A | N/A |
| 5230.00 | 61.36 | AV | H | 33.67 | 3.54 | 0.00 | 92.55 | N/A | N/A |
| 5230.00 | 60.25 | PK | V | 33.67 | 3.54 | 0.00 | 91.44 | N/A | N/A |
| 5230.00 | 50.45 | AV | V | 33.67 | 3.54 | 0.00 | 81.64 | N/A | N/A |
| 5350.00 | 25.99 | PK | H | 33.86 | 3.52 | 0.00 | 57.35 | 74.00 | 16.65 |
| 5350.00 | 14.58 | AV | H | 33.86 | 3.52 | 0.00 | 45.94 | 54.00 | 8.06 |
| 10460.00 | 63.28 | PK | H | 38.19 | 6.36 | 36.87 | 64.94 | 74.00 | 9.06 |
| 10460.00 | 49.89 | AV | H | 38.19 | 6.36 | 36.87 | 51.55 | 54.00 | 2.45 |
| 15690.00 | 46.78 | PK | H | 37.91 | 8.80 | 39.15 | 48.32 | 74.00 | 25.68 |
| 15690.00 | 32.93 | AV | H | 37.91 | 8.80 | 39.15 | 34.47 | 54.00 | 19.53 |
| 9634.00 | 46.25 | PK | H | 37.95 | 5.83 | 36.65 | 47.36 | 74.00 | 26.64 |
| 9634.00 | 32.48 | AV | H | 37.95 | 5.83 | 36.65 | 33.59 | 54.00 | 20.41 |

802.11 ac40 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 71.47 | PK | H | 33.60 | 3.59 | 0.00 | 102.64 | N/A | N/A |
| 5190.00 | 61.14 | AV | H | 33.60 | 3.59 | 0.00 | 92.31 | N/A | N/A |
| 5190.00 | 60.17 | PK | V | 33.60 | 3.59 | 0.00 | 91.34 | N/A | N/A |
| 5190.00 | 50.54 | AV | V | 33.60 | 3.59 | 0.00 | 81.71 | N/A | N/A |
| 5150.00 | 26.07 | PK | H | 33.54 | 3.56 | 0.00 | 57.15 | 74.00 | 16.85 |
| 5150.00 | 14.39 | AV | H | 33.54 | 3.56 | 0.00 | 45.47 | 54.00 | 8.53 |
| 10380.00 | 63.21 | PK | H | 38.18 | 6.31 | 36.85 | 64.83 | 74.00 | 9.17 |
| 10380.00 | 49.84 | AV | H | 38.18 | 6.31 | 36.85 | 51.46 | 54.00 | 2.54 |
| 15570.00 | 46.88 | PK | H | 38.03 | 8.84 | 39.06 | 48.67 | 74.00 | 25.33 |
| 15570.00 | 33.07 | AV | H | 38.03 | 8.84 | 39.06 | 34.86 | 54.00 | 19.14 |
| 8741.00 | 46.25 | PK | H | 37.54 | 5.32 | 37.03 | 46.06 | 74.00 | 27.94 |
| 8741.00 | 32.43 | AV | H | 37.54 | 5.32 | 37.03 | 32.24 | 54.00 | 21.76 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 71.38 | PK | H | 33.67 | 3.54 | 0.00 | 102.57 | N/A | N/A |
| 5230.00 | 61.43 | AV | H | 33.67 | 3.54 | 0.00 | 92.62 | N/A | N/A |
| 5230.00 | 60.25 | PK | V | 33.67 | 3.54 | 0.00 | 91.44 | N/A | N/A |
| 5230.00 | 50.33 | AV | V | 33.67 | 3.54 | 0.00 | 81.52 | N/A | N/A |
| 5350.00 | 25.96 | PK | H | 33.86 | 3.52 | 0.00 | 57.32 | 74.00 | 16.68 |
| 5350.00 | 14.41 | AV | H | 33.86 | 3.52 | 0.00 | 45.77 | 54.00 | 8.23 |
| 10460.00 | 63.14 | PK | H | 38.19 | 6.36 | 36.87 | 64.80 | 74.00 | 9.20 |
| 10460.00 | 49.98 | AV | H | 38.19 | 6.36 | 36.87 | 51.64 | 54.00 | 2.36 |
| 15690.00 | 46.82 | PK | H | 37.91 | 8.80 | 39.15 | 48.36 | 74.00 | 25.64 |
| 15690.00 | 33.27 | AV | H | 37.91 | 8.80 | 39.15 | 34.81 | 54.00 | 19.19 |
| 9655.00 | 46.51 | PK | H | 37.96 | 5.84 | 36.66 | 47.63 | 74.00 | 26.37 |
| 9655.00 | 32.29 | AV | H | 37.96 | 5.84 | 36.66 | 33.41 | 54.00 | 20.59 |

802.11 ac80 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 67.35 | PK | H | 33.64 | 3.58 | 0.00 | 98.55 | N/A | N/A |
| 5210.00 | 58.02 | AV | H | 33.64 | 3.58 | 0.00 | 89.22 | N/A | N/A |
| 5210.00 | 56.34 | PK | V | 33.64 | 3.58 | 0.00 | 87.54 | N/A | N/A |
| 5210.00 | 46.15 | AV | V | 33.64 | 3.58 | 0.00 | 77.35 | N/A | N/A |
| 5150.00 | 26.59 | PK | H | 33.54 | 3.56 | 0.00 | 57.67 | 74.00 | 16.33 |
| 5150.00 | 14.42 | AV | H | 33.54 | 3.56 | 0.00 | 45.50 | 54.00 | 8.50 |
| 5350.00 | 26.91 | PK | H | 33.86 | 3.52 | 0.00 | 58.27 | 74.00 | 15.73 |
| 5350.00 | 14.55 | AV | H | 33.86 | 3.52 | 0.00 | 45.91 | 54.00 | 8.09 |
| 10420.00 | 62.47 | PK | H | 38.18 | 6.33 | 36.86 | 64.10 | 74.00 | 9.90 |
| 10420.00 | 49.97 | AV | H | 38.18 | 6.33 | 36.86 | 51.60 | 54.00 | 2.40 |
| 15630.00 | 46.72 | PK | H | 37.97 | 8.82 | 39.11 | 48.38 | 74.00 | 25.62 |
| 15630.00 | 32.54 | AV | H | 37.97 | 8.82 | 39.11 | 34.20 | 54.00 | 19.80 |
| 9685.00 | 46.35 | PK | H | 37.97 | 5.86 | 36.67 | 47.49 | 74.00 | 26.51 |
| 9685.00 | 32.33 | AV | H | 37.97 | 5.86 | 36.67 | 33.47 | 54.00 | 20.53 |

**Radio 0, 5150-5250MHz , Non-beamforming 4TX**

802.11a Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.72 | PK | H | 33.59 | 3.58 | 0.00 | 108.87 | N/A | N/A |
| 5180.00 | 67.65 | AV | H | 33.59 | 3.58 | 0.00 | 98.80 | N/A | N/A |
| 5180.00 | 65.83 | PK | V | 33.59 | 3.58 | 0.00 | 96.98 | N/A | N/A |
| 5180.00 | 55.37 | AV | V | 33.59 | 3.58 | 0.00 | 86.52 | N/A | N/A |
| 5150.00 | 26.61 | PK | H | 33.54 | 3.56 | 0.00 | 57.69 | 74.00 | 16.31 |
| 5150.00 | 14.82 | AV | H | 33.54 | 3.56 | 0.00 | 45.90 | 54.00 | 8.10 |
| 10360.00 | 63.24 | PK | H | 38.17 | 6.29 | 36.85 | 64.83 | 74.00 | 9.17 |
| 10360.00 | 50.18 | AV | H | 38.17 | 6.29 | 36.85 | 51.77 | 54.00 | 2.23 |
| 15540.00 | 46.02 | PK | H | 38.06 | 8.85 | 39.04 | 47.87 | 74.00 | 26.13 |
| 15540.00 | 32.64 | AV | H | 38.06 | 8.85 | 39.04 | 34.49 | 54.00 | 19.51 |
| 9355.00 | 46.83 | PK | H | 37.84 | 5.67 | 36.70 | 47.62 | 74.00 | 26.38 |
| 9355.00 | 32.27 | AV | H | 37.84 | 5.67 | 36.70 | 33.06 | 54.00 | 20.94 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.17 | PK | H | 33.62 | 3.60 | 0.00 | 108.37 | N/A | N/A |
| 5200.00 | 67.86 | AV | H | 33.62 | 3.60 | 0.00 | 99.06 | N/A | N/A |
| 5200.00 | 65.73 | PK | V | 33.62 | 3.60 | 0.00 | 96.93 | N/A | N/A |
| 5200.00 | 55.23 | AV | V | 33.62 | 3.60 | 0.00 | 86.43 | N/A | N/A |
| 10400.00 | 63.32 | PK | H | 38.18 | 6.32 | 36.86 | 64.94 | 74.00 | 9.06 |
| 10400.00 | 50.09 | AV | H | 38.18 | 6.32 | 36.86 | 51.71 | 54.00 | 2.29 |
| 15600.00 | 46.38 | PK | H | 38.00 | 8.83 | 39.09 | 48.10 | 74.00 | 25.9 |
| 15600.00 | 32.92 | AV | H | 38.00 | 8.83 | 39.09 | 34.64 | 54.00 | 19.36 |
| 8469.00 | 46.59 | PK | H | 37.36 | 5.14 | 37.10 | 45.97 | 74.00 | 28.03 |
| 8469.00 | 32.84 | AV | H | 37.36 | 5.14 | 37.10 | 32.22 | 54.00 | 21.78 |
| 8795.00 | 45.56 | PK | H | 37.58 | 5.36 | 37.01 | 45.47 | 74.00 | 28.53 |
| 8795.00 | 32.64 | AV | H | 37.58 | 5.36 | 37.01 | 32.55 | 54.00 | 21.45 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 77.64 | PK | H | 33.68 | 3.52 | 0.00 | 108.82 | N/A | N/A |
| 5240.00 | 67.48 | AV | H | 33.68 | 3.52 | 0.00 | 98.66 | N/A | N/A |
| 5240.00 | 65.85 | PK | V | 33.68 | 3.52 | 0.00 | 97.03 | N/A | N/A |
| 5240.00 | 55.15 | AV | V | 33.68 | 3.52 | 0.00 | 86.33 | N/A | N/A |
| 5350.00 | 26.56 | PK | H | 33.86 | 3.52 | 0.00 | 57.92 | 74.00 | 16.08 |
| 5350.00 | 14.86 | AV | H | 33.86 | 3.52 | 0.00 | 46.22 | 54.00 | 7.78 |
| 10480.00 | 63.18 | PK | H | 38.20 | 6.37 | 36.88 | 64.85 | 74.00 | 9.15 |
| 10480.00 | 50.15 | AV | H | 38.20 | 6.37 | 36.88 | 51.82 | 54.00 | 2.18 |
| 15720.00 | 45.83 | PK | H | 37.88 | 8.79 | 39.18 | 47.30 | 74.00 | 26.70 |
| 15720.00 | 32.79 | AV | H | 37.88 | 8.79 | 39.18 | 34.26 | 54.00 | 19.74 |
| 8989.00 | 46.64 | PK | H | 37.69 | 5.48 | 36.93 | 46.86 | 74.00 | 27.14 |
| 8989.00 | 32.48 | AV | H | 37.69 | 5.48 | 36.93 | 32.70 | 54.00 | 21.30 |

802.11n ht20 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.86 | PK | H | 33.59 | 3.58 | 0.00 | 109.01 | N/A | N/A |
| 5180.00 | 67.59 | AV | H | 33.59 | 3.58 | 0.00 | 98.74 | N/A | N/A |
| 5180.00 | 65.97 | PK | V | 33.59 | 3.58 | 0.00 | 97.12 | N/A | N/A |
| 5180.00 | 55.27 | AV | V | 33.59 | 3.58 | 0.00 | 86.42 | N/A | N/A |
| 5150.00 | 26.82 | PK | H | 33.54 | 3.56 | 0.00 | 57.90 | 74.00 | 16.10 |
| 5150.00 | 14.88 | AV | H | 33.54 | 3.56 | 0.00 | 45.96 | 54.00 | 8.04 |
| 10360.00 | 63.17 | PK | H | 38.17 | 6.29 | 36.85 | 64.76 | 74.00 | 9.24 |
| 10360.00 | 50.26 | AV | H | 38.17 | 6.29 | 36.85 | 51.85 | 54.00 | 2.15 |
| 15540.00 | 46.03 | PK | H | 38.06 | 8.85 | 39.04 | 47.88 | 74.00 | 26.12 |
| 15540.00 | 32.51 | AV | H | 38.06 | 8.85 | 39.04 | 34.36 | 54.00 | 19.64 |
| 8835.00 | 46.79 | PK | H | 37.60 | 5.38 | 36.99 | 46.76 | 74.00 | 27.24 |
| 8835.00 | 32.03 | AV | H | 37.60 | 5.38 | 36.99 | 32.00 | 54.00 | 22.00 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.18 | PK | H | 33.62 | 3.60 | 0.00 | 108.38 | N/A | N/A |
| 5200.00 | 67.27 | AV | H | 33.62 | 3.60 | 0.00 | 98.47 | N/A | N/A |
| 5200.00 | 64.81 | PK | V | 33.62 | 3.60 | 0.00 | 96.01 | N/A | N/A |
| 5200.00 | 54.83 | AV | V | 33.62 | 3.60 | 0.00 | 86.03 | N/A | N/A |
| 10400.00 | 63.29 | PK | H | 38.18 | 6.32 | 36.86 | 64.91 | 74.00 | 9.09 |
| 10400.00 | 50.35 | AV | H | 38.18 | 6.32 | 36.86 | 51.97 | 54.00 | 2.03 |
| 15600.00 | 46.31 | PK | H | 38.00 | 8.83 | 39.09 | 48.03 | 74.00 | 25.97 |
| 15600.00 | 33.32 | AV | H | 38.00 | 8.83 | 39.09 | 35.04 | 54.00 | 18.96 |
| 9997.00 | 46.36 | PK | H | 38.10 | 6.07 | 36.77 | 47.74 | 74.00 | 26.26 |
| 9997.00 | 32.61 | AV | H | 38.10 | 6.07 | 36.77 | 33.99 | 54.00 | 20.01 |
| 8675.00 | 45.24 | PK | H | 37.51 | 5.28 | 37.05 | 44.96 | 74.00 | 29.04 |
| 8675.00 | 32.26 | AV | H | 37.51 | 5.28 | 37.05 | 31.98 | 54.00 | 22.02 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 77.94 | PK | H | 33.68 | 3.52 | 0.00 | 109.12 | N/A | N/A |
| 5240.00 | 67.66 | AV | H | 33.68 | 3.52 | 0.00 | 98.84 | N/A | N/A |
| 5240.00 | 66.02 | PK | V | 33.68 | 3.52 | 0.00 | 97.20 | N/A | N/A |
| 5240.00 | 55.32 | AV | V | 33.68 | 3.52 | 0.00 | 86.50 | N/A | N/A |
| 5350.00 | 26.59 | PK | H | 33.86 | 3.52 | 0.00 | 57.95 | 74.00 | 16.05 |
| 5350.00 | 14.61 | AV | H | 33.86 | 3.52 | 0.00 | 45.97 | 54.00 | 8.03 |
| 10480.00 | 63.41 | PK | H | 38.20 | 6.37 | 36.88 | 65.08 | 74.00 | 8.92 |
| 10480.00 | 50.22 | AV | H | 38.20 | 6.37 | 36.88 | 51.89 | 54.00 | 2.11 |
| 15720.00 | 46.25 | PK | H | 37.88 | 8.79 | 39.18 | 47.72 | 74.00 | 26.28 |
| 15720.00 | 32.45 | AV | H | 37.88 | 8.79 | 39.18 | 33.92 | 54.00 | 20.08 |
| 9315.00 | 46.72 | PK | H | 37.83 | 5.65 | 36.73 | 47.45 | 74.00 | 26.55 |
| 9315.00 | 32.18 | AV | H | 37.83 | 5.65 | 36.73 | 32.91 | 54.00 | 21.09 |

802.11 ac20 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.67 | PK | H | 33.59 | 3.58 | 0.00 | 108.82 | N/A | N/A |
| 5180.00 | 67.82 | AV | H | 33.59 | 3.58 | 0.00 | 98.97 | N/A | N/A |
| 5180.00 | 66.27 | PK | V | 33.59 | 3.58 | 0.00 | 97.42 | N/A | N/A |
| 5180.00 | 55.34 | AV | V | 33.59 | 3.58 | 0.00 | 86.49 | N/A | N/A |
| 5150.00 | 26.74 | PK | H | 33.54 | 3.56 | 0.00 | 57.82 | 74.00 | 16.18 |
| 5150.00 | 15.14 | AV | H | 33.54 | 3.56 | 0.00 | 46.22 | 54.00 | 7.78 |
| 10360.00 | 63.47 | PK | H | 38.17 | 6.29 | 36.85 | 65.06 | 74.00 | 8.94 |
| 10360.00 | 50.07 | AV | H | 38.17 | 6.29 | 36.85 | 51.66 | 54.00 | 2.34 |
| 15540.00 | 45.76 | PK | H | 38.06 | 8.85 | 39.04 | 47.61 | 74.00 | 26.39 |
| 15540.00 | 32.23 | AV | H | 38.06 | 8.85 | 39.04 | 34.08 | 54.00 | 19.92 |
| 8987.00 | 46.68 | PK | H | 37.69 | 5.48 | 36.93 | 46.90 | 74.00 | 27.10 |
| 8987.00 | 31.89 | AV | H | 37.69 | 5.48 | 36.93 | 32.11 | 54.00 | 21.89 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.25 | PK | H | 33.62 | 3.60 | 0.00 | 108.45 | N/A | N/A |
| 5200.00 | 67.01 | AV | H | 33.62 | 3.60 | 0.00 | 98.21 | N/A | N/A |
| 5200.00 | 64.62 | PK | V | 33.62 | 3.60 | 0.00 | 95.82 | N/A | N/A |
| 5200.00 | 54.53 | AV | V | 33.62 | 3.60 | 0.00 | 85.73 | N/A | N/A |
| 10400.00 | 63.27 | PK | H | 38.18 | 6.32 | 36.86 | 64.89 | 74.00 | 9.11 |
| 10400.00 | 50.61 | AV | H | 38.18 | 6.32 | 36.86 | 52.23 | 54.00 | 1.77 |
| 15600.00 | 46.42 | PK | H | 38.00 | 8.83 | 39.09 | 48.14 | 74.00 | 25.86 |
| 15600.00 | 33.28 | AV | H | 38.00 | 8.83 | 39.09 | 35.00 | 54.00 | 19 |
| 8634.00 | 46.31 | PK | H | 37.48 | 5.26 | 37.07 | 45.96 | 74.00 | 28.04 |
| 8634.00 | 32.72 | AV | H | 37.48 | 5.26 | 37.07 | 32.37 | 54.00 | 21.63 |
| 9514.00 | 45.22 | PK | H | 37.91 | 5.75 | 36.61 | 46.25 | 74.00 | 27.75 |
| 9514.00 | 32.23 | AV | H | 37.91 | 5.75 | 36.61 | 33.26 | 54.00 | 20.74 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 77.92 | PK | H | 33.68 | 3.52 | 0.00 | 109.10 | N/A | N/A |
| 5240.00 | 67.52 | AV | H | 33.68 | 3.52 | 0.00 | 98.70 | N/A | N/A |
| 5240.00 | 65.87 | PK | V | 33.68 | 3.52 | 0.00 | 97.05 | N/A | N/A |
| 5240.00 | 55.22 | AV | V | 33.68 | 3.52 | 0.00 | 86.40 | N/A | N/A |
| 5350.00 | 27.07 | PK | H | 33.86 | 3.52 | 0.00 | 58.43 | 74.00 | 15.57 |
| 5350.00 | 15.02 | AV | H | 33.86 | 3.52 | 0.00 | 46.38 | 54.00 | 7.62 |
| 10480.00 | 63.08 | PK | H | 38.20 | 6.37 | 36.88 | 64.75 | 74.00 | 9.25 |
| 10480.00 | 50.01 | AV | H | 38.20 | 6.37 | 36.88 | 51.68 | 54.00 | 2.32 |
| 15720.00 | 45.97 | PK | H | 37.88 | 8.79 | 39.18 | 47.44 | 74.00 | 26.56 |
| 15720.00 | 32.52 | AV | H | 37.88 | 8.79 | 39.18 | 33.99 | 54.00 | 20.01 |
| 9655.00 | 46.77 | PK | H | 37.96 | 5.84 | 36.66 | 47.89 | 74.00 | 26.11 |
| 9655.00 | 31.89 | AV | H | 37.96 | 5.84 | 36.66 | 33.01 | 54.00 | 20.99 |

802.11 n ht40 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 73.34 | PK | H | 33.60 | 3.59 | 0.00 | 104.51 | N/A | N/A |
| 5190.00 | 63.28 | AV | H | 33.60 | 3.59 | 0.00 | 94.45 | N/A | N/A |
| 5190.00 | 61.21 | PK | V | 33.60 | 3.59 | 0.00 | 92.38 | N/A | N/A |
| 5190.00 | 51.19 | AV | V | 33.60 | 3.59 | 0.00 | 82.36 | N/A | N/A |
| 5150.00 | 25.97 | PK | H | 33.54 | 3.56 | 0.00 | 57.05 | 74.00 | 16.95 |
| 5150.00 | 14.38 | AV | H | 33.54 | 3.56 | 0.00 | 45.46 | 54.00 | 8.54 |
| 10380.00 | 63.37 | PK | H | 38.18 | 6.31 | 36.85 | 64.99 | 74.00 | 9.01 |
| 10380.00 | 49.69 | AV | H | 38.18 | 6.31 | 36.85 | 51.31 | 54.00 | 2.69 |
| 15570.00 | 46.76 | PK | H | 38.03 | 8.84 | 39.06 | 48.55 | 74.00 | 25.45 |
| 15570.00 | 33.02 | AV | H | 38.03 | 8.84 | 39.06 | 34.81 | 54.00 | 19.19 |
| 8524.00 | 46.47 | PK | H | 37.41 | 5.19 | 37.11 | 45.94 | 74.00 | 28.06 |
| 8524.00 | 32.28 | AV | H | 37.41 | 5.19 | 37.11 | 31.75 | 54.00 | 22.25 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 73.54 | PK | H | 33.67 | 3.54 | 0.00 | 104.73 | N/A | N/A |
| 5230.00 | 63.26 | AV | H | 33.67 | 3.54 | 0.00 | 94.45 | N/A | N/A |
| 5230.00 | 61.23 | PK | V | 33.67 | 3.54 | 0.00 | 92.42 | N/A | N/A |
| 5230.00 | 51.52 | AV | V | 33.67 | 3.54 | 0.00 | 82.71 | N/A | N/A |
| 5350.00 | 26.34 | PK | H | 33.86 | 3.52 | 0.00 | 57.70 | 74.00 | 16.30 |
| 5350.00 | 14.43 | AV | H | 33.86 | 3.52 | 0.00 | 45.79 | 54.00 | 8.21 |
| 10460.00 | 63.49 | PK | H | 38.19 | 6.36 | 36.87 | 65.15 | 74.00 | 8.85 |
| 10460.00 | 49.59 | AV | H | 38.19 | 6.36 | 36.87 | 51.25 | 54.00 | 2.75 |
| 15690.00 | 46.78 | PK | H | 37.91 | 8.80 | 39.15 | 48.32 | 74.00 | 25.68 |
| 15690.00 | 33.06 | AV | H | 37.91 | 8.80 | 39.15 | 34.60 | 54.00 | 19.40 |
| 9634.00 | 46.45 | PK | H | 37.95 | 5.83 | 36.65 | 47.56 | 74.00 | 26.44 |
| 9634.00 | 32.15 | AV | H | 37.95 | 5.83 | 36.65 | 33.26 | 54.00 | 20.74 |

802.11 ac40 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 73.48 | PK | H | 33.60 | 3.59 | 0.00 | 104.65 | N/A | N/A |
| 5190.00 | 63.34 | AV | H | 33.60 | 3.59 | 0.00 | 94.51 | N/A | N/A |
| 5190.00 | 61.07 | PK | V | 33.60 | 3.59 | 0.00 | 92.24 | N/A | N/A |
| 5190.00 | 51.33 | AV | V | 33.60 | 3.59 | 0.00 | 82.50 | N/A | N/A |
| 5150.00 | 25.92 | PK | H | 33.54 | 3.56 | 0.00 | 57.00 | 74.00 | 17.00 |
| 5150.00 | 14.33 | AV | H | 33.54 | 3.56 | 0.00 | 45.41 | 54.00 | 8.59 |
| 10380.00 | 63.31 | PK | H | 38.18 | 6.31 | 36.85 | 64.93 | 74.00 | 9.07 |
| 10380.00 | 49.75 | AV | H | 38.18 | 6.31 | 36.85 | 51.37 | 54.00 | 2.63 |
| 15570.00 | 46.66 | PK | H | 38.03 | 8.84 | 39.06 | 48.45 | 74.00 | 25.55 |
| 15570.00 | 33.17 | AV | H | 38.03 | 8.84 | 39.06 | 34.96 | 54.00 | 19.04 |
| 8741.00 | 46.65 | PK | H | 37.54 | 5.32 | 37.03 | 46.46 | 74.00 | 27.54 |
| 8741.00 | 32.32 | AV | H | 37.54 | 5.32 | 37.03 | 32.13 | 54.00 | 21.87 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 73.45 | PK | H | 33.67 | 3.54 | 0.00 | 104.64 | N/A | N/A |
| 5230.00 | 63.11 | AV | H | 33.67 | 3.54 | 0.00 | 94.30 | N/A | N/A |
| 5230.00 | 61.34 | PK | V | 33.67 | 3.54 | 0.00 | 92.53 | N/A | N/A |
| 5230.00 | 51.01 | AV | V | 33.67 | 3.54 | 0.00 | 82.20 | N/A | N/A |
| 5350.00 | 25.77 | PK | H | 33.86 | 3.52 | 0.00 | 57.13 | 74.00 | 16.87 |
| 5350.00 | 14.32 | AV | H | 33.86 | 3.52 | 0.00 | 45.68 | 54.00 | 8.32 |
| 10460.00 | 63.46 | PK | H | 38.19 | 6.36 | 36.87 | 65.12 | 74.00 | 8.88 |
| 10460.00 | 49.64 | AV | H | 38.19 | 6.36 | 36.87 | 51.30 | 54.00 | 2.70 |
| 15690.00 | 46.89 | PK | H | 37.91 | 8.80 | 39.15 | 48.43 | 74.00 | 25.57 |
| 15690.00 | 32.85 | AV | H | 37.91 | 8.80 | 39.15 | 34.39 | 54.00 | 19.61 |
| 9655.00 | 46.27 | PK | H | 37.96 | 5.84 | 36.66 | 47.39 | 74.00 | 26.61 |
| 9655.00 | 32.34 | AV | H | 37.96 | 5.84 | 36.66 | 33.46 | 54.00 | 20.54 |

802.11 ac80 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 68.55 | PK | H | 33.64 | 3.58 | 0.00 | 99.75 | N/A | N/A |
| 5210.00 | 58.06 | AV | H | 33.64 | 3.58 | 0.00 | 89.26 | N/A | N/A |
| 5210.00 | 57.36 | PK | V | 33.64 | 3.58 | 0.00 | 88.56 | N/A | N/A |
| 5210.00 | 47.13 | AV | V | 33.64 | 3.58 | 0.00 | 78.33 | N/A | N/A |
| 5150.00 | 26.61 | PK | H | 33.54 | 3.56 | 0.00 | 57.69 | 74.00 | 16.31 |
| 5150.00 | 14.28 | AV | H | 33.54 | 3.56 | 0.00 | 45.36 | 54.00 | 8.64 |
| 5350.00 | 26.87 | PK | H | 33.86 | 3.52 | 0.00 | 58.23 | 74.00 | 15.77 |
| 5350.00 | 14.64 | AV | H | 33.86 | 3.52 | 0.00 | 46.00 | 54.00 | 8.00 |
| 10420.00 | 62.64 | PK | H | 38.18 | 6.33 | 36.86 | 64.27 | 74.00 | 9.73 |
| 10420.00 | 50.13 | AV | H | 38.18 | 6.33 | 36.86 | 51.76 | 54.00 | 2.24 |
| 15630.00 | 46.55 | PK | H | 37.97 | 8.82 | 39.11 | 48.21 | 74.00 | 25.79 |
| 15630.00 | 32.36 | AV | H | 37.97 | 8.82 | 39.11 | 34.02 | 54.00 | 19.98 |
| 9685.00 | 46.45 | PK | H | 37.97 | 5.86 | 36.67 | 47.59 | 74.00 | 26.41 |
| 9685.00 | 32.22 | AV | H | 37.97 | 5.86 | 36.67 | 33.36 | 54.00 | 20.64 |

**Radio 0, 5150-5250MHz , Beamforming 2TX**

802.11b Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.74 | PK | H | 33.59 | 3.58 | 0.00 | 103.89 | N/A | N/A |
| 5180.00 | 62.49 | AV | H | 33.59 | 3.58 | 0.00 | 93.64 | N/A | N/A |
| 5180.00 | 62.75 | PK | V | 33.59 | 3.58 | 0.00 | 93.90 | N/A | N/A |
| 5180.00 | 52.72 | AV | V | 33.59 | 3.58 | 0.00 | 83.87 | N/A | N/A |
| 5150.00 | 26.67 | PK | H | 33.54 | 3.56 | 0.00 | 57.75 | 74.00 | 16.25 |
| 5150.00 | 14.26 | AV | H | 33.54 | 3.56 | 0.00 | 45.34 | 54.00 | 8.66 |
| 10360.00 | 63.21 | PK | H | 38.17 | 6.29 | 36.85 | 64.80 | 74.00 | 9.20 |
| 10360.00 | 50.15 | AV | H | 38.17 | 6.29 | 36.85 | 51.74 | 54.00 | 2.26 |
| 15540.00 | 46.43 | PK | H | 38.06 | 8.85 | 39.04 | 48.28 | 74.00 | 25.72 |
| 15540.00 | 32.49 | AV | H | 38.06 | 8.85 | 39.04 | 34.34 | 54.00 | 19.66 |
| 9345.00 | 46.86 | PK | H | 37.84 | 5.66 | 36.71 | 47.63 | 74.00 | 26.37 |
| 9345.00 | 32.05 | AV | H | 37.84 | 5.66 | 36.71 | 32.82 | 54.00 | 21.18 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 72.59 | PK | H | 33.62 | 3.60 | 0.00 | 103.79 | N/A | N/A |
| 5200.00 | 62.24 | AV | H | 33.62 | 3.60 | 0.00 | 93.44 | N/A | N/A |
| 5200.00 | 62.87 | PK | V | 33.62 | 3.60 | 0.00 | 94.07 | N/A | N/A |
| 5200.00 | 52.22 | AV | V | 33.62 | 3.60 | 0.00 | 83.42 | N/A | N/A |
| 10400.00 | 63.36 | PK | H | 38.18 | 6.32 | 36.86 | 64.98 | 74.00 | 9.02 |
| 10400.00 | 49.89 | AV | H | 38.18 | 6.32 | 36.86 | 51.51 | 54.00 | 2.49 |
| 15600.00 | 46.38 | PK | H | 38.00 | 8.83 | 39.09 | 48.10 | 74.00 | 25.9 |
| 15600.00 | 32.54 | AV | H | 38.00 | 8.83 | 39.09 | 34.26 | 54.00 | 19.74 |
| 8425.00 | 46.96 | PK | H | 37.31 | 5.11 | 37.06 | 46.30 | 74.00 | 27.7 |
| 8425.00 | 32.01 | AV | H | 37.31 | 5.11 | 37.06 | 31.35 | 54.00 | 22.65 |
| 9715.00 | 45.21 | PK | H | 37.99 | 5.88 | 36.68 | 46.38 | 74.00 | 27.62 |
| 9715.00 | 32.22 | AV | H | 37.99 | 5.88 | 36.68 | 33.39 | 54.00 | 20.61 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 72.54 | PK | H | 33.68 | 3.52 | 0.00 | 103.72 | N/A | N/A |
| 5240.00 | 62.77 | AV | H | 33.68 | 3.52 | 0.00 | 93.95 | N/A | N/A |
| 5240.00 | 63.05 | PK | V | 33.68 | 3.52 | 0.00 | 94.23 | N/A | N/A |
| 5240.00 | 52.85 | AV | V | 33.68 | 3.52 | 0.00 | 84.03 | N/A | N/A |
| 5350.00 | 26.54 | PK | H | 33.86 | 3.52 | 0.00 | 57.90 | 74.00 | 16.10 |
| 5350.00 | 14.22 | AV | H | 33.86 | 3.52 | 0.00 | 45.58 | 54.00 | 8.42 |
| 10480.00 | 63.38 | PK | H | 38.20 | 6.37 | 36.88 | 65.05 | 74.00 | 8.95 |
| 10480.00 | 49.88 | AV | H | 38.20 | 6.37 | 36.88 | 51.55 | 54.00 | 2.45 |
| 15720.00 | 46.62 | PK | H | 37.88 | 8.79 | 39.18 | 48.09 | 74.00 | 25.91 |
| 15720.00 | 32.55 | AV | H | 37.88 | 8.79 | 39.18 | 34.02 | 54.00 | 19.98 |
| 8985.00 | 47.18 | PK | H | 37.69 | 5.48 | 36.94 | 47.39 | 74.00 | 26.61 |
| 8985.00 | 31.86 | AV | H | 37.69 | 5.48 | 36.94 | 32.07 | 54.00 | 21.93 |

802.11n ht20 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.76 | PK | H | 33.59 | 3.58 | 0.00 | 103.91 | N/A | N/A |
| 5180.00 | 62.74 | AV | H | 33.59 | 3.58 | 0.00 | 93.89 | N/A | N/A |
| 5180.00 | 63.62 | PK | V | 33.59 | 3.58 | 0.00 | 94.77 | N/A | N/A |
| 5180.00 | 53.34 | AV | V | 33.59 | 3.58 | 0.00 | 84.49 | N/A | N/A |
| 5150.00 | 26.95 | PK | H | 33.54 | 3.56 | 0.00 | 58.03 | 74.00 | 15.97 |
| 5150.00 | 15.28 | AV | H | 33.54 | 3.56 | 0.00 | 46.36 | 54.00 | 7.64 |
| 10360.00 | 62.63 | PK | H | 38.17 | 6.29 | 36.85 | 64.22 | 74.00 | 9.78 |
| 10360.00 | 50.57 | AV | H | 38.17 | 6.29 | 36.85 | 52.16 | 54.00 | 1.84 |
| 15540.00 | 46.36 | PK | H | 38.06 | 8.85 | 39.04 | 48.21 | 74.00 | 25.79 |
| 15540.00 | 33.12 | AV | H | 38.06 | 8.85 | 39.04 | 34.97 | 54.00 | 19.03 |
| 9365.00 | 47.05 | PK | H | 37.85 | 5.67 | 36.70 | 47.85 | 74.00 | 26.15 |
| 9365.00 | 32.12 | AV | H | 37.85 | 5.67 | 36.70 | 32.92 | 54.00 | 21.08 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 72.94 | PK | H | 33.62 | 3.60 | 0.00 | 104.14 | N/A | N/A |
| 5200.00 | 63.08 | AV | H | 33.62 | 3.60 | 0.00 | 94.28 | N/A | N/A |
| 5200.00 | 62.34 | PK | V | 33.62 | 3.60 | 0.00 | 93.54 | N/A | N/A |
| 5200.00 | 52.96 | AV | V | 33.62 | 3.60 | 0.00 | 84.16 | N/A | N/A |
| 10400.00 | 27.11 | PK | H | 38.18 | 6.32 | 36.86 | 28.73 | 74.00 | 45.27 |
| 10400.00 | 14.36 | AV | H | 38.18 | 6.32 | 36.86 | 15.98 | 54.00 | 38.02 |
| 15600.00 | 63.05 | PK | H | 38.00 | 8.83 | 39.09 | 64.77 | 74.00 | 9.23 |
| 15600.00 | 49.85 | AV | H | 38.00 | 8.83 | 39.09 | 51.57 | 54.00 | 2.43 |
| 9997.00 | 46.33 | PK | H | 38.10 | 6.07 | 36.77 | 47.71 | 74.00 | 26.29 |
| 9997.00 | 32.56 | AV | H | 38.10 | 6.07 | 36.77 | 33.94 | 54.00 | 20.06 |
| 8685.00 | 46.58 | PK | H | 37.51 | 5.29 | 37.05 | 46.31 | 74.00 | 27.69 |
| 8685.00 | 32.28 | AV | H | 37.51 | 5.29 | 37.05 | 32.01 | 54.00 | 21.99 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 72.68 | PK | H | 33.68 | 3.52 | 0.00 | 103.86 | N/A | N/A |
| 5240.00 | 62.75 | AV | H | 33.68 | 3.52 | 0.00 | 93.93 | N/A | N/A |
| 5240.00 | 63.37 | PK | V | 33.68 | 3.52 | 0.00 | 94.55 | N/A | N/A |
| 5240.00 | 53.34 | AV | V | 33.68 | 3.52 | 0.00 | 84.52 | N/A | N/A |
| 5350.00 | 27.16 | PK | H | 33.86 | 3.52 | 0.00 | 58.52 | 74.00 | 15.48 |
| 5350.00 | 15.34 | AV | H | 33.86 | 3.52 | 0.00 | 46.70 | 54.00 | 7.30 |
| 10480.00 | 62.54 | PK | H | 38.20 | 6.37 | 36.88 | 64.21 | 74.00 | 9.79 |
| 10480.00 | 50.64 | AV | H | 38.20 | 6.37 | 36.88 | 52.31 | 54.00 | 1.69 |
| 15720.00 | 46.32 | PK | H | 37.88 | 8.79 | 39.18 | 47.79 | 74.00 | 26.21 |
| 15720.00 | 33.23 | AV | H | 37.88 | 8.79 | 39.18 | 34.70 | 54.00 | 19.30 |
| 8375.00 | 47.25 | PK | H | 37.25 | 5.07 | 37.02 | 46.53 | 74.00 | 27.47 |
| 8375.00 | 32.38 | AV | H | 37.25 | 5.07 | 37.02 | 31.66 | 54.00 | 22.34 |

802.11 ac20 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.72 | PK | H | 33.59 | 3.58 | 0.00 | 103.87 | N/A | N/A |
| 5180.00 | 62.98 | AV | H | 33.59 | 3.58 | 0.00 | 94.13 | N/A | N/A |
| 5180.00 | 63.87 | PK | V | 33.59 | 3.58 | 0.00 | 95.02 | N/A | N/A |
| 5180.00 | 53.06 | AV | V | 33.59 | 3.58 | 0.00 | 84.21 | N/A | N/A |
| 5150.00 | 27.09 | PK | H | 33.54 | 3.56 | 0.00 | 58.17 | 74.00 | 15.83 |
| 5150.00 | 15.42 | AV | H | 33.54 | 3.56 | 0.00 | 46.50 | 54.00 | 7.50 |
| 10360.00 | 62.51 | PK | H | 38.17 | 6.29 | 36.85 | 64.10 | 74.00 | 9.90 |
| 10360.00 | 50.55 | AV | H | 38.17 | 6.29 | 36.85 | 52.14 | 54.00 | 1.86 |
| 15540.00 | 46.28 | PK | H | 38.06 | 8.85 | 39.04 | 48.13 | 74.00 | 25.87 |
| 15540.00 | 33.32 | AV | H | 38.06 | 8.85 | 39.04 | 35.17 | 54.00 | 18.83 |
| 8975.00 | 47.08 | PK | H | 37.69 | 5.47 | 36.94 | 47.28 | 74.00 | 26.72 |
| 8975.00 | 32.08 | AV | H | 37.69 | 5.47 | 36.94 | 32.28 | 54.00 | 21.72 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 73.14 | PK | H | 33.62 | 3.60 | 0.00 | 104.34 | N/A | N/A |
| 5200.00 | 63.23 | AV | H | 33.62 | 3.60 | 0.00 | 94.43 | N/A | N/A |
| 5200.00 | 62.19 | PK | V | 33.62 | 3.60 | 0.00 | 93.39 | N/A | N/A |
| 5200.00 | 53.23 | AV | V | 33.62 | 3.60 | 0.00 | 84.43 | N/A | N/A |
| 10400.00 | 27.21 | PK | H | 38.18 | 6.32 | 36.86 | 28.83 | 74.00 | 45.17 |
| 10400.00 | 14.61 | AV | H | 38.18 | 6.32 | 36.86 | 16.23 | 54.00 | 37.77 |
| 15600.00 | 62.92 | PK | H | 38.00 | 8.83 | 39.09 | 64.64 | 74.00 | 9.36 |
| 15600.00 | 49.84 | AV | H | 38.00 | 8.83 | 39.09 | 51.56 | 54.00 | 2.44 |
| 8634.00 | 46.16 | PK | H | 37.48 | 5.26 | 37.07 | 45.81 | 74.00 | 28.19 |
| 8634.00 | 32.71 | AV | H | 37.48 | 5.26 | 37.07 | 32.36 | 54.00 | 21.64 |
| 9515.00 | 46.39 | PK | H | 37.91 | 5.75 | 36.61 | 47.42 | 74.00 | 26.58 |
| 9515.00 | 31.99 | AV | H | 37.91 | 5.75 | 36.61 | 33.02 | 54.00 | 20.98 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 72.58 | PK | H | 33.68 | 3.52 | 0.00 | 103.76 | N/A | N/A |
| 5240.00 | 62.94 | AV | H | 33.68 | 3.52 | 0.00 | 94.12 | N/A | N/A |
| 5240.00 | 63.48 | PK | V | 33.68 | 3.52 | 0.00 | 94.66 | N/A | N/A |
| 5240.00 | 53.31 | AV | V | 33.68 | 3.52 | 0.00 | 84.49 | N/A | N/A |
| 5350.00 | 26.78 | PK | H | 33.86 | 3.52 | 0.00 | 58.14 | 74.00 | 15.86 |
| 5350.00 | 15.43 | AV | H | 33.86 | 3.52 | 0.00 | 46.79 | 54.00 | 7.21 |
| 10480.00 | 62.52 | PK | H | 38.20 | 6.37 | 36.88 | 64.19 | 74.00 | 9.81 |
| 10480.00 | 50.71 | AV | H | 38.20 | 6.37 | 36.88 | 52.38 | 54.00 | 1.62 |
| 15720.00 | 46.18 | PK | H | 37.88 | 8.79 | 39.18 | 47.65 | 74.00 | 26.35 |
| 15720.00 | 33.23 | AV | H | 37.88 | 8.79 | 39.18 | 34.70 | 54.00 | 19.30 |
| 9665.00 | 46.93 | PK | H | 37.97 | 5.85 | 36.66 | 48.07 | 74.00 | 25.93 |
| 9665.00 | 32.37 | AV | H | 37.97 | 5.85 | 36.66 | 33.51 | 54.00 | 20.49 |

802.11 n ht40 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 68.73 | PK | H | 33.60 | 3.59 | 0.00 | 99.90 | N/A | N/A |
| 5190.00 | 58.31 | AV | H | 33.60 | 3.59 | 0.00 | 89.48 | N/A | N/A |
| 5190.00 | 58.52 | PK | V | 33.60 | 3.59 | 0.00 | 89.69 | N/A | N/A |
| 5190.00 | 48.28 | AV | V | 33.60 | 3.59 | 0.00 | 79.45 | N/A | N/A |
| 5150.00 | 26.27 | PK | H | 33.54 | 3.56 | 0.00 | 57.35 | 74.00 | 16.65 |
| 5150.00 | 14.54 | AV | H | 33.54 | 3.56 | 0.00 | 45.62 | 54.00 | 8.38 |
| 10380.00 | 63.35 | PK | H | 38.18 | 6.31 | 36.85 | 64.97 | 74.00 | 9.03 |
| 10380.00 | 49.76 | AV | H | 38.18 | 6.31 | 36.85 | 51.38 | 54.00 | 2.62 |
| 15570.00 | 46.99 | PK | H | 38.03 | 8.84 | 39.06 | 48.78 | 74.00 | 25.22 |
| 15570.00 | 33.33 | AV | H | 38.03 | 8.84 | 39.06 | 35.12 | 54.00 | 18.88 |
| 8525.00 | 46.19 | PK | H | 37.42 | 5.19 | 37.11 | 45.67 | 74.00 | 28.33 |
| 8525.00 | 32.45 | AV | H | 37.42 | 5.19 | 37.11 | 31.93 | 54.00 | 22.07 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 68.87 | PK | H | 33.67 | 3.54 | 0.00 | 100.06 | N/A | N/A |
| 5230.00 | 58.11 | AV | H | 33.67 | 3.54 | 0.00 | 89.30 | N/A | N/A |
| 5230.00 | 58.64 | PK | V | 33.67 | 3.54 | 0.00 | 89.83 | N/A | N/A |
| 5230.00 | 48.34 | AV | V | 33.67 | 3.54 | 0.00 | 79.53 | N/A | N/A |
| 5350.00 | 26.35 | PK | H | 33.86 | 3.52 | 0.00 | 57.71 | 74.00 | 16.29 |
| 5350.00 | 14.69 | AV | H | 33.86 | 3.52 | 0.00 | 46.05 | 54.00 | 7.95 |
| 10460.00 | 63.49 | PK | H | 38.19 | 6.36 | 36.87 | 65.15 | 74.00 | 8.85 |
| 10460.00 | 49.67 | AV | H | 38.19 | 6.36 | 36.87 | 51.33 | 54.00 | 2.67 |
| 15690.00 | 46.85 | PK | H | 37.91 | 8.80 | 39.15 | 48.39 | 74.00 | 25.61 |
| 15690.00 | 33.37 | AV | H | 37.91 | 8.80 | 39.15 | 34.91 | 54.00 | 19.09 |
| 9635.00 | 46.59 | PK | H | 37.95 | 5.83 | 36.65 | 47.70 | 74.00 | 26.30 |
| 9635.00 | 32.65 | AV | H | 37.95 | 5.83 | 36.65 | 33.76 | 54.00 | 20.24 |

802.11 ac40 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 68.75 | PK | H | 33.60 | 3.59 | 0.00 | 99.92 | N/A | N/A |
| 5190.00 | 58.48 | AV | H | 33.60 | 3.59 | 0.00 | 89.65 | N/A | N/A |
| 5190.00 | 58.69 | PK | V | 33.60 | 3.59 | 0.00 | 89.86 | N/A | N/A |
| 5190.00 | 48.24 | AV | V | 33.60 | 3.59 | 0.00 | 79.41 | N/A | N/A |
| 5150.00 | 26.31 | PK | H | 33.54 | 3.56 | 0.00 | 57.39 | 74.00 | 16.61 |
| 5150.00 | 14.49 | AV | H | 33.54 | 3.56 | 0.00 | 45.57 | 54.00 | 8.43 |
| 10380.00 | 63.27 | PK | H | 38.18 | 6.31 | 36.85 | 64.89 | 74.00 | 9.11 |
| 10380.00 | 49.76 | AV | H | 38.18 | 6.31 | 36.85 | 51.38 | 54.00 | 2.62 |
| 15570.00 | 46.83 | PK | H | 38.03 | 8.84 | 39.06 | 48.62 | 74.00 | 25.38 |
| 15570.00 | 33.22 | AV | H | 38.03 | 8.84 | 39.06 | 35.01 | 54.00 | 18.99 |
| 8735.00 | 46.33 | PK | H | 37.54 | 5.32 | 37.03 | 46.14 | 74.00 | 27.86 |
| 8735.00 | 32.43 | AV | H | 37.54 | 5.32 | 37.03 | 32.24 | 54.00 | 21.76 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 68.91 | PK | H | 33.67 | 3.54 | 0.00 | 100.10 | N/A | N/A |
| 5230.00 | 58.18 | AV | H | 33.67 | 3.54 | 0.00 | 89.37 | N/A | N/A |
| 5230.00 | 58.64 | PK | V | 33.67 | 3.54 | 0.00 | 89.83 | N/A | N/A |
| 5230.00 | 48.16 | AV | V | 33.67 | 3.54 | 0.00 | 79.35 | N/A | N/A |
| 5350.00 | 26.38 | PK | H | 33.86 | 3.52 | 0.00 | 57.74 | 74.00 | 16.26 |
| 5350.00 | 14.61 | AV | H | 33.86 | 3.52 | 0.00 | 45.97 | 54.00 | 8.03 |
| 10460.00 | 63.17 | PK | H | 38.19 | 6.36 | 36.87 | 64.83 | 74.00 | 9.17 |
| 10460.00 | 49.61 | AV | H | 38.19 | 6.36 | 36.87 | 51.27 | 54.00 | 2.73 |
| 15690.00 | 46.95 | PK | H | 37.91 | 8.80 | 39.15 | 48.49 | 74.00 | 25.51 |
| 15690.00 | 33.24 | AV | H | 37.91 | 8.80 | 39.15 | 34.78 | 54.00 | 19.22 |
| 9635.00 | 46.03 | PK | H | 37.95 | 5.83 | 36.65 | 47.14 | 74.00 | 26.86 |
| 9635.00 | 32.37 | AV | H | 37.95 | 5.83 | 36.65 | 33.48 | 54.00 | 20.52 |

802.11 ac80 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 64.34 | PK | H | 33.64 | 3.58 | 0.00 | 95.54 | N/A | N/A |
| 5210.00 | 54.02 | AV | H | 33.64 | 3.58 | 0.00 | 85.22 | N/A | N/A |
| 5210.00 | 51.47 | PK | V | 33.64 | 3.58 | 0.00 | 82.67 | N/A | N/A |
| 5210.00 | 41.21 | AV | V | 33.64 | 3.58 | 0.00 | 72.41 | N/A | N/A |
| 5150.00 | 26.54 | PK | H | 33.54 | 3.56 | 0.00 | 57.62 | 74.00 | 16.38 |
| 5150.00 | 14.65 | AV | H | 33.54 | 3.56 | 0.00 | 45.73 | 54.00 | 8.27 |
| 5350.00 | 26.59 | PK | H | 33.86 | 3.52 | 0.00 | 57.95 | 74.00 | 16.05 |
| 5350.00 | 14.85 | AV | H | 33.86 | 3.52 | 0.00 | 46.21 | 54.00 | 7.79 |
| 10420.00 | 62.47 | PK | H | 38.18 | 6.33 | 36.86 | 64.10 | 74.00 | 9.90 |
| 10420.00 | 49.63 | AV | H | 38.18 | 6.33 | 36.86 | 51.26 | 54.00 | 2.74 |
| 15630.00 | 46.69 | PK | H | 37.97 | 8.82 | 39.11 | 48.35 | 74.00 | 25.65 |
| 15630.00 | 32.17 | AV | H | 37.97 | 8.82 | 39.11 | 33.83 | 54.00 | 20.17 |
| 9685.00 | 46.28 | PK | H | 37.97 | 5.86 | 36.67 | 47.42 | 74.00 | 26.58 |
| 9685.00 | 32.49 | AV | H | 37.97 | 5.86 | 36.67 | 33.63 | 54.00 | 20.37 |

**Radio 0, 5150-5250MHz, Beamforming 3TX**

802.11a Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 76.46 | PK | H | 33.59 | 3.58 | 0.00 | 107.61 | N/A | N/A |
| 5180.00 | 66.56 | AV | H | 33.59 | 3.58 | 0.00 | 97.71 | N/A | N/A |
| 5180.00 | 64.97 | PK | V | 33.59 | 3.58 | 0.00 | 96.12 | N/A | N/A |
| 5180.00 | 54.52 | AV | V | 33.59 | 3.58 | 0.00 | 85.67 | N/A | N/A |
| 5150.00 | 26.85 | PK | H | 33.54 | 3.56 | 0.00 | 57.93 | 74.00 | 16.07 |
| 5150.00 | 14.42 | AV | H | 33.54 | 3.56 | 0.00 | 45.50 | 54.00 | 8.50 |
| 10360.00 | 63.26 | PK | H | 38.17 | 6.29 | 36.85 | 64.85 | 74.00 | 9.15 |
| 10360.00 | 49.84 | AV | H | 38.17 | 6.29 | 36.85 | 51.43 | 54.00 | 2.57 |
| 15540.00 | 46.56 | PK | H | 38.06 | 8.85 | 39.04 | 48.41 | 74.00 | 25.59 |
| 15540.00 | 33.02 | AV | H | 38.06 | 8.85 | 39.04 | 34.87 | 54.00 | 19.13 |
| 9355.00 | 46.39 | PK | H | 37.84 | 5.67 | 36.70 | 47.18 | 74.00 | 26.82 |
| 9355.00 | 32.02 | AV | H | 37.84 | 5.67 | 36.70 | 32.81 | 54.00 | 21.19 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 76.63 | PK | H | 33.62 | 3.60 | 0.00 | 107.83 | N/A | N/A |
| 5200.00 | 66.88 | AV | H | 33.62 | 3.60 | 0.00 | 98.08 | N/A | N/A |
| 5200.00 | 64.81 | PK | V | 33.62 | 3.60 | 0.00 | 96.01 | N/A | N/A |
| 5200.00 | 54.81 | AV | V | 33.62 | 3.60 | 0.00 | 86.01 | N/A | N/A |
| 10400.00 | 62.98 | PK | H | 38.18 | 6.32 | 36.86 | 64.60 | 74.00 | 9.4 |
| 10400.00 | 50.45 | AV | H | 38.18 | 6.32 | 36.86 | 52.07 | 54.00 | 1.93 |
| 15600.00 | 46.36 | PK | H | 38.00 | 8.83 | 39.09 | 48.08 | 74.00 | 25.92 |
| 15600.00 | 33.29 | AV | H | 38.00 | 8.83 | 39.09 | 35.01 | 54.00 | 18.99 |
| 8469.00 | 46.92 | PK | H | 37.36 | 5.14 | 37.10 | 46.30 | 74.00 | 27.7 |
| 8469.00 | 32.85 | AV | H | 37.36 | 5.14 | 37.10 | 32.23 | 54.00 | 21.77 |
| 8775.00 | 45.35 | PK | H | 37.57 | 5.35 | 37.02 | 45.23 | 74.00 | 28.77 |
| 8775.00 | 32.32 | AV | H | 37.57 | 5.35 | 37.02 | 32.20 | 54.00 | 21.8 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 76.34 | PK | H | 33.68 | 3.52 | 0.00 | 107.52 | N/A | N/A |
| 5240.00 | 66.58 | AV | H | 33.68 | 3.52 | 0.00 | 97.76 | N/A | N/A |
| 5240.00 | 64.71 | PK | V | 33.68 | 3.52 | 0.00 | 95.89 | N/A | N/A |
| 5240.00 | 54.78 | AV | V | 33.68 | 3.52 | 0.00 | 85.96 | N/A | N/A |
| 5350.00 | 26.73 | PK | H | 33.86 | 3.52 | 0.00 | 58.09 | 74.00 | 15.91 |
| 5350.00 | 14.47 | AV | H | 33.86 | 3.52 | 0.00 | 45.83 | 54.00 | 8.17 |
| 10480.00 | 63.11 | PK | H | 38.20 | 6.37 | 36.88 | 64.78 | 74.00 | 9.22 |
| 10480.00 | 50.04 | AV | H | 38.20 | 6.37 | 36.88 | 51.71 | 54.00 | 2.29 |
| 15720.00 | 46.42 | PK | H | 37.88 | 8.79 | 39.18 | 47.89 | 74.00 | 26.11 |
| 15720.00 | 33.23 | AV | H | 37.88 | 8.79 | 39.18 | 34.70 | 54.00 | 19.30 |
| 8995.00 | 46.19 | PK | H | 37.70 | 5.49 | 36.93 | 46.43 | 74.00 | 27.57 |
| 8995.00 | 31.94 | AV | H | 37.70 | 5.49 | 36.93 | 32.18 | 54.00 | 21.82 |

802.11n ht20 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 76.25 | PK | H | 33.59 | 3.58 | 0.00 | 107.40 | N/A | N/A |
| 5180.00 | 66.30 | AV | H | 33.59 | 3.58 | 0.00 | 97.45 | N/A | N/A |
| 5180.00 | 64.74 | PK | V | 33.59 | 3.58 | 0.00 | 95.89 | N/A | N/A |
| 5180.00 | 54.45 | AV | V | 33.59 | 3.58 | 0.00 | 85.60 | N/A | N/A |
| 5150.00 | 27.12 | PK | H | 33.54 | 3.56 | 0.00 | 58.20 | 74.00 | 15.80 |
| 5150.00 | 14.66 | AV | H | 33.54 | 3.56 | 0.00 | 45.74 | 54.00 | 8.26 |
| 10360.00 | 63.12 | PK | H | 38.17 | 6.29 | 36.85 | 64.71 | 74.00 | 9.29 |
| 10360.00 | 50.01 | AV | H | 38.17 | 6.29 | 36.85 | 51.60 | 54.00 | 2.40 |
| 15540.00 | 46.32 | PK | H | 38.06 | 8.85 | 39.04 | 48.17 | 74.00 | 25.83 |
| 15540.00 | 32.96 | AV | H | 38.06 | 8.85 | 39.04 | 34.81 | 54.00 | 19.19 |
| 8365.00 | 46.37 | PK | H | 37.24 | 5.06 | 37.01 | 45.64 | 74.00 | 28.36 |
| 8365.00 | 32.15 | AV | H | 37.24 | 5.06 | 37.01 | 31.42 | 54.00 | 22.58 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 76.65 | PK | H | 33.62 | 3.60 | 0.00 | 107.85 | N/A | N/A |
| 5200.00 | 66.68 | AV | H | 33.62 | 3.60 | 0.00 | 97.88 | N/A | N/A |
| 5200.00 | 64.75 | PK | V | 33.62 | 3.60 | 0.00 | 95.95 | N/A | N/A |
| 5200.00 | 54.79 | AV | V | 33.62 | 3.60 | 0.00 | 85.99 | N/A | N/A |
| 10400.00 | 63.08 | PK | H | 38.18 | 6.32 | 36.86 | 64.70 | 74.00 | 9.3 |
| 10400.00 | 50.53 | AV | H | 38.18 | 6.32 | 36.86 | 52.15 | 54.00 | 1.85 |
| 15600.00 | 46.61 | PK | H | 38.00 | 8.83 | 39.09 | 48.33 | 74.00 | 25.67 |
| 15600.00 | 33.56 | AV | H | 38.00 | 8.83 | 39.09 | 35.28 | 54.00 | 18.72 |
| 9997.00 | 46.76 | PK | H | 38.10 | 6.07 | 36.77 | 48.14 | 74.00 | 25.86 |
| 9997.00 | 32.99 | AV | H | 38.10 | 6.07 | 36.77 | 34.37 | 54.00 | 19.63 |
| 8675.00 | 45.60 | PK | H | 37.51 | 5.28 | 37.05 | 45.32 | 74.00 | 28.68 |
| 8675.00 | 32.50 | AV | H | 37.51 | 5.28 | 37.05 | 32.22 | 54.00 | 21.78 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 75.99 | PK | H | 33.68 | 3.52 | 0.00 | 107.17 | N/A | N/A |
| 5240.00 | 66.14 | AV | H | 33.68 | 3.52 | 0.00 | 97.32 | N/A | N/A |
| 5240.00 | 64.54 | PK | V | 33.68 | 3.52 | 0.00 | 95.72 | N/A | N/A |
| 5240.00 | 54.26 | AV | V | 33.68 | 3.52 | 0.00 | 85.44 | N/A | N/A |
| 5350.00 | 26.97 | PK | H | 33.86 | 3.52 | 0.00 | 58.33 | 74.00 | 15.67 |
| 5350.00 | 14.73 | AV | H | 33.86 | 3.52 | 0.00 | 46.09 | 54.00 | 7.91 |
| 10480.00 | 63.16 | PK | H | 38.20 | 6.37 | 36.88 | 64.83 | 74.00 | 9.17 |
| 10480.00 | 49.99 | AV | H | 38.20 | 6.37 | 36.88 | 51.66 | 54.00 | 2.34 |
| 15720.00 | 46.43 | PK | H | 37.88 | 8.79 | 39.18 | 47.90 | 74.00 | 26.10 |
| 15720.00 | 32.97 | AV | H | 37.88 | 8.79 | 39.18 | 34.44 | 54.00 | 19.56 |
| 9115.00 | 46.40 | PK | H | 37.75 | 5.55 | 36.86 | 46.82 | 74.00 | 27.18 |
| 9115.00 | 32.18 | AV | H | 37.75 | 5.55 | 36.86 | 32.60 | 54.00 | 21.40 |

802.11 ac20 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 76.03 | PK | H | 33.59 | 3.58 | 0.00 | 107.18 | N/A | N/A |
| 5180.00 | 66.48 | AV | H | 33.59 | 3.58 | 0.00 | 97.63 | N/A | N/A |
| 5180.00 | 65.01 | PK | V | 33.59 | 3.58 | 0.00 | 96.16 | N/A | N/A |
| 5180.00 | 54.56 | AV | V | 33.59 | 3.58 | 0.00 | 85.71 | N/A | N/A |
| 5150.00 | 27.09 | PK | H | 33.54 | 3.56 | 0.00 | 58.17 | 74.00 | 15.83 |
| 5150.00 | 14.56 | AV | H | 33.54 | 3.56 | 0.00 | 45.64 | 54.00 | 8.36 |
| 10360.00 | 63.18 | PK | H | 38.17 | 6.29 | 36.85 | 64.77 | 74.00 | 9.23 |
| 10360.00 | 50.21 | AV | H | 38.17 | 6.29 | 36.85 | 51.80 | 54.00 | 2.20 |
| 15540.00 | 46.54 | PK | H | 38.06 | 8.85 | 39.04 | 48.39 | 74.00 | 25.61 |
| 15540.00 | 33.24 | AV | H | 38.06 | 8.85 | 39.04 | 35.09 | 54.00 | 18.91 |
| 8965.00 | 46.28 | PK | H | 37.68 | 5.47 | 36.94 | 46.47 | 74.00 | 27.53 |
| 8965.00 | 32.18 | AV | H | 37.68 | 5.47 | 36.94 | 32.37 | 54.00 | 21.63 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 76.38 | PK | H | 33.62 | 3.60 | 0.00 | 107.58 | N/A | N/A |
| 5200.00 | 67.11 | AV | H | 33.62 | 3.60 | 0.00 | 98.31 | N/A | N/A |
| 5200.00 | 65.04 | PK | V | 33.62 | 3.60 | 0.00 | 96.24 | N/A | N/A |
| 5200.00 | 54.96 | AV | V | 33.62 | 3.60 | 0.00 | 86.16 | N/A | N/A |
| 10400.00 | 62.77 | PK | H | 38.18 | 6.32 | 36.86 | 64.39 | 74.00 | 9.61 |
| 10400.00 | 50.55 | AV | H | 38.18 | 6.32 | 36.86 | 52.17 | 54.00 | 1.83 |
| 15600.00 | 46.54 | PK | H | 38.00 | 8.83 | 39.09 | 48.26 | 74.00 | 25.74 |
| 15600.00 | 33.31 | AV | H | 38.00 | 8.83 | 39.09 | 35.03 | 54.00 | 18.97 |
| 8634.00 | 47.09 | PK | H | 37.48 | 5.26 | 37.07 | 46.74 | 74.00 | 27.26 |
| 8634.00 | 32.69 | AV | H | 37.48 | 5.26 | 37.07 | 32.34 | 54.00 | 21.66 |
| 9514.00 | 45.52 | PK | H | 37.91 | 5.75 | 36.61 | 46.55 | 74.00 | 27.45 |
| 9514.00 | 32.54 | AV | H | 37.91 | 5.75 | 36.61 | 33.57 | 54.00 | 20.43 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 76.51 | PK | H | 33.68 | 3.52 | 0.00 | 107.69 | N/A | N/A |
| 5240.00 | 66.12 | AV | H | 33.68 | 3.52 | 0.00 | 97.30 | N/A | N/A |
| 5240.00 | 64.63 | PK | V | 33.68 | 3.52 | 0.00 | 95.81 | N/A | N/A |
| 5240.00 | 54.47 | AV | V | 33.68 | 3.52 | 0.00 | 85.65 | N/A | N/A |
| 5350.00 | 26.85 | PK | H | 33.86 | 3.52 | 0.00 | 58.21 | 74.00 | 15.79 |
| 5350.00 | 14.46 | AV | H | 33.86 | 3.52 | 0.00 | 45.82 | 54.00 | 8.18 |
| 10480.00 | 63.28 | PK | H | 38.20 | 6.37 | 36.88 | 64.95 | 74.00 | 9.05 |
| 10480.00 | 50.12 | AV | H | 38.20 | 6.37 | 36.88 | 51.79 | 54.00 | 2.21 |
| 15720.00 | 46.24 | PK | H | 37.88 | 8.79 | 39.18 | 47.71 | 74.00 | 26.29 |
| 15720.00 | 32.71 | AV | H | 37.88 | 8.79 | 39.18 | 34.18 | 54.00 | 19.82 |
| 9655.00 | 46.57 | PK | H | 37.96 | 5.84 | 36.66 | 47.69 | 74.00 | 26.31 |
| 9655.00 | 31.97 | AV | H | 37.96 | 5.84 | 36.66 | 33.09 | 54.00 | 20.91 |

802.11 n ht40 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 71.34 | PK | H | 33.60 | 3.59 | 0.00 | 102.51 | N/A | N/A |
| 5190.00 | 61.18 | AV | H | 33.60 | 3.59 | 0.00 | 92.35 | N/A | N/A |
| 5190.00 | 60.35 | PK | V | 33.60 | 3.59 | 0.00 | 91.52 | N/A | N/A |
| 5190.00 | 50.47 | AV | V | 33.60 | 3.59 | 0.00 | 81.64 | N/A | N/A |
| 5150.00 | 26.23 | PK | H | 33.54 | 3.56 | 0.00 | 57.31 | 74.00 | 16.69 |
| 5150.00 | 14.52 | AV | H | 33.54 | 3.56 | 0.00 | 45.60 | 54.00 | 8.40 |
| 10380.00 | 63.44 | PK | H | 38.18 | 6.31 | 36.85 | 65.06 | 74.00 | 8.94 |
| 10380.00 | 49.73 | AV | H | 38.18 | 6.31 | 36.85 | 51.35 | 54.00 | 2.65 |
| 15570.00 | 46.75 | PK | H | 38.03 | 8.84 | 39.06 | 48.54 | 74.00 | 25.46 |
| 15570.00 | 33.05 | AV | H | 38.03 | 8.84 | 39.06 | 34.84 | 54.00 | 19.16 |
| 8545.00 | 46.51 | PK | H | 37.43 | 5.20 | 37.10 | 46.02 | 74.00 | 27.98 |
| 8545.00 | 32.24 | AV | H | 37.43 | 5.20 | 37.10 | 31.75 | 54.00 | 22.25 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 71.17 | PK | H | 33.67 | 3.54 | 0.00 | 102.36 | N/A | N/A |
| 5230.00 | 61.03 | AV | H | 33.67 | 3.54 | 0.00 | 92.22 | N/A | N/A |
| 5230.00 | 60.47 | PK | V | 33.67 | 3.54 | 0.00 | 91.66 | N/A | N/A |
| 5230.00 | 50.27 | AV | V | 33.67 | 3.54 | 0.00 | 81.46 | N/A | N/A |
| 5350.00 | 26.17 | PK | H | 33.86 | 3.52 | 0.00 | 57.53 | 74.00 | 16.47 |
| 5350.00 | 14.72 | AV | H | 33.86 | 3.52 | 0.00 | 46.08 | 54.00 | 7.92 |
| 10460.00 | 63.29 | PK | H | 38.19 | 6.36 | 36.87 | 64.95 | 74.00 | 9.05 |
| 10460.00 | 49.85 | AV | H | 38.19 | 6.36 | 36.87 | 51.51 | 54.00 | 2.49 |
| 15690.00 | 46.76 | PK | H | 37.91 | 8.80 | 39.15 | 48.30 | 74.00 | 25.70 |
| 15690.00 | 32.79 | AV | H | 37.91 | 8.80 | 39.15 | 34.33 | 54.00 | 19.67 |
| 9455.00 | 46.31 | PK | H | 37.88 | 5.72 | 36.64 | 47.25 | 74.00 | 26.75 |
| 9455.00 | 32.07 | AV | H | 37.88 | 5.72 | 36.64 | 33.01 | 54.00 | 20.99 |

802.11 ac40 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 71.52 | PK | H | 33.60 | 3.59 | 0.00 | 102.69 | N/A | N/A |
| 5190.00 | 61.01 | AV | H | 33.60 | 3.59 | 0.00 | 92.18 | N/A | N/A |
| 5190.00 | 60.21 | PK | V | 33.60 | 3.59 | 0.00 | 91.38 | N/A | N/A |
| 5190.00 | 50.57 | AV | V | 33.60 | 3.59 | 0.00 | 81.74 | N/A | N/A |
| 5150.00 | 26.13 | PK | H | 33.54 | 3.56 | 0.00 | 57.21 | 74.00 | 16.79 |
| 5150.00 | 14.39 | AV | H | 33.54 | 3.56 | 0.00 | 45.47 | 54.00 | 8.53 |
| 10380.00 | 63.31 | PK | H | 38.18 | 6.31 | 36.85 | 64.93 | 74.00 | 9.07 |
| 10380.00 | 49.92 | AV | H | 38.18 | 6.31 | 36.85 | 51.54 | 54.00 | 2.46 |
| 15570.00 | 46.95 | PK | H | 38.03 | 8.84 | 39.06 | 48.74 | 74.00 | 25.26 |
| 15570.00 | 32.99 | AV | H | 38.03 | 8.84 | 39.06 | 34.78 | 54.00 | 19.22 |
| 8775.00 | 46.58 | PK | H | 37.57 | 5.35 | 37.02 | 46.46 | 74.00 | 27.54 |
| 8775.00 | 32.42 | AV | H | 37.57 | 5.35 | 37.02 | 32.30 | 54.00 | 21.70 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 71.42 | PK | H | 33.67 | 3.54 | 0.00 | 102.61 | N/A | N/A |
| 5230.00 | 61.18 | AV | H | 33.67 | 3.54 | 0.00 | 92.37 | N/A | N/A |
| 5230.00 | 60.46 | PK | V | 33.67 | 3.54 | 0.00 | 91.65 | N/A | N/A |
| 5230.00 | 50.54 | AV | V | 33.67 | 3.54 | 0.00 | 81.73 | N/A | N/A |
| 5350.00 | 26.34 | PK | H | 33.86 | 3.52 | 0.00 | 57.70 | 74.00 | 16.30 |
| 5350.00 | 14.35 | AV | H | 33.86 | 3.52 | 0.00 | 45.71 | 54.00 | 8.29 |
| 10460.00 | 63.42 | PK | H | 38.19 | 6.36 | 36.87 | 65.08 | 74.00 | 8.92 |
| 10460.00 | 49.82 | AV | H | 38.19 | 6.36 | 36.87 | 51.48 | 54.00 | 2.52 |
| 15690.00 | 46.78 | PK | H | 37.91 | 8.80 | 39.15 | 48.32 | 74.00 | 25.68 |
| 15690.00 | 32.93 | AV | H | 37.91 | 8.80 | 39.15 | 34.47 | 54.00 | 19.53 |
| 9655.00 | 46.49 | PK | H | 37.96 | 5.84 | 36.66 | 47.61 | 74.00 | 26.39 |
| 9655.00 | 32.18 | AV | H | 37.96 | 5.84 | 36.66 | 33.30 | 54.00 | 20.70 |

802.11 ac80 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 67.15 | PK | H | 33.64 | 3.58 | 0.00 | 98.35 | N/A | N/A |
| 5210.00 | 57.85 | AV | H | 33.64 | 3.58 | 0.00 | 89.05 | N/A | N/A |
| 5210.00 | 56.48 | PK | V | 33.64 | 3.58 | 0.00 | 87.68 | N/A | N/A |
| 5210.00 | 45.95 | AV | V | 33.64 | 3.58 | 0.00 | 77.15 | N/A | N/A |
| 5150.00 | 26.56 | PK | H | 33.54 | 3.56 | 0.00 | 57.64 | 74.00 | 16.36 |
| 5150.00 | 14.38 | AV | H | 33.54 | 3.56 | 0.00 | 45.46 | 54.00 | 8.54 |
| 5350.00 | 26.76 | PK | H | 33.86 | 3.52 | 0.00 | 58.12 | 74.00 | 15.88 |
| 5350.00 | 14.48 | AV | H | 33.86 | 3.52 | 0.00 | 45.84 | 54.00 | 8.16 |
| 10420.00 | 62.67 | PK | H | 38.18 | 6.33 | 36.86 | 64.30 | 74.00 | 9.70 |
| 10420.00 | 50.12 | AV | H | 38.18 | 6.33 | 36.86 | 51.75 | 54.00 | 2.25 |
| 15630.00 | 46.69 | PK | H | 37.97 | 8.82 | 39.11 | 48.35 | 74.00 | 25.65 |
| 15630.00 | 32.48 | AV | H | 37.97 | 8.82 | 39.11 | 34.14 | 54.00 | 19.86 |
| 9685.00 | 46.31 | PK | H | 37.97 | 5.86 | 36.67 | 47.45 | 74.00 | 26.55 |
| 9685.00 | 32.14 | AV | H | 37.97 | 5.86 | 36.67 | 33.28 | 54.00 | 20.72 |

**Radio 0, 5150-5250MHz , Beamforming 4TX**

802.11a Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.99 | PK | H | 33.59 | 3.58 | 0.00 | 109.14 | N/A | N/A |
| 5180.00 | 67.68 | AV | H | 33.59 | 3.58 | 0.00 | 98.83 | N/A | N/A |
| 5180.00 | 65.57 | PK | V | 33.59 | 3.58 | 0.00 | 96.72 | N/A | N/A |
| 5180.00 | 55.43 | AV | V | 33.59 | 3.58 | 0.00 | 86.58 | N/A | N/A |
| 5150.00 | 26.86 | PK | H | 33.54 | 3.56 | 0.00 | 57.94 | 74.00 | 16.06 |
| 5150.00 | 15.01 | AV | H | 33.54 | 3.56 | 0.00 | 46.09 | 54.00 | 7.91 |
| 10360.00 | 63.13 | PK | H | 38.17 | 6.29 | 36.85 | 64.72 | 74.00 | 9.28 |
| 10360.00 | 50.22 | AV | H | 38.17 | 6.29 | 36.85 | 51.81 | 54.00 | 2.19 |
| 15540.00 | 46.22 | PK | H | 38.06 | 8.85 | 39.04 | 48.07 | 74.00 | 25.93 |
| 15540.00 | 32.76 | AV | H | 38.06 | 8.85 | 39.04 | 34.61 | 54.00 | 19.39 |
| 9355.00 | 46.92 | PK | H | 37.84 | 5.67 | 36.70 | 47.71 | 74.00 | 26.29 |
| 9355.00 | 32.55 | AV | H | 37.84 | 5.67 | 36.70 | 33.34 | 54.00 | 20.66 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.18 | PK | H | 33.62 | 3.60 | 0.00 | 108.38 | N/A | N/A |
| 5200.00 | 68.02 | AV | H | 33.62 | 3.60 | 0.00 | 99.22 | N/A | N/A |
| 5200.00 | 66.03 | PK | V | 33.62 | 3.60 | 0.00 | 97.23 | N/A | N/A |
| 5200.00 | 55.51 | AV | V | 33.62 | 3.60 | 0.00 | 86.71 | N/A | N/A |
| 10400.00 | 63.12 | PK | H | 38.18 | 6.32 | 36.86 | 64.74 | 74.00 | 9.26 |
| 10400.00 | 50.00 | AV | H | 38.18 | 6.32 | 36.86 | 51.62 | 54.00 | 2.38 |
| 15600.00 | 46.14 | PK | H | 38.00 | 8.83 | 39.09 | 47.86 | 74.00 | 26.14 |
| 15600.00 | 32.91 | AV | H | 38.00 | 8.83 | 39.09 | 34.63 | 54.00 | 19.37 |
| 8469.00 | 46.45 | PK | H | 37.36 | 5.14 | 37.10 | 45.83 | 74.00 | 28.17 |
| 8469.00 | 32.92 | AV | H | 37.36 | 5.14 | 37.10 | 32.30 | 54.00 | 21.7 |
| 8795.00 | 45.57 | PK | H | 37.58 | 5.36 | 37.01 | 45.48 | 74.00 | 28.52 |
| 8795.00 | 32.73 | AV | H | 37.58 | 5.36 | 37.01 | 32.64 | 54.00 | 21.36 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 77.83 | PK | H | 33.68 | 3.52 | 0.00 | 109.01 | N/A | N/A |
| 5240.00 | 67.78 | AV | H | 33.68 | 3.52 | 0.00 | 98.96 | N/A | N/A |
| 5240.00 | 65.65 | PK | V | 33.68 | 3.52 | 0.00 | 96.83 | N/A | N/A |
| 5240.00 | 55.63 | AV | V | 33.68 | 3.52 | 0.00 | 86.81 | N/A | N/A |
| 5350.00 | 26.76 | PK | H | 33.86 | 3.52 | 0.00 | 58.12 | 74.00 | 15.88 |
| 5350.00 | 15.19 | AV | H | 33.86 | 3.52 | 0.00 | 46.55 | 54.00 | 7.45 |
| 10480.00 | 63.23 | PK | H | 38.20 | 6.37 | 36.88 | 64.90 | 74.00 | 9.10 |
| 10480.00 | 49.97 | AV | H | 38.20 | 6.37 | 36.88 | 51.64 | 54.00 | 2.36 |
| 15720.00 | 46.27 | PK | H | 37.88 | 8.79 | 39.18 | 47.74 | 74.00 | 26.26 |
| 15720.00 | 33.02 | AV | H | 37.88 | 8.79 | 39.18 | 34.49 | 54.00 | 19.51 |
| 8985.00 | 47.13 | PK | H | 37.69 | 5.48 | 36.94 | 47.34 | 74.00 | 26.66 |
| 8985.00 | 32.81 | AV | H | 37.69 | 5.48 | 36.94 | 33.02 | 54.00 | 20.98 |

802.11n ht20 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.68 | PK | H | 33.59 | 3.58 | 0.00 | 108.83 | N/A | N/A |
| 5180.00 | 67.41 | AV | H | 33.59 | 3.58 | 0.00 | 98.56 | N/A | N/A |
| 5180.00 | 65.89 | PK | V | 33.59 | 3.58 | 0.00 | 97.04 | N/A | N/A |
| 5180.00 | 55.41 | AV | V | 33.59 | 3.58 | 0.00 | 86.56 | N/A | N/A |
| 5150.00 | 26.81 | PK | H | 33.54 | 3.56 | 0.00 | 57.89 | 74.00 | 16.11 |
| 5150.00 | 14.77 | AV | H | 33.54 | 3.56 | 0.00 | 45.85 | 54.00 | 8.15 |
| 10360.00 | 63.42 | PK | H | 38.17 | 6.29 | 36.85 | 65.01 | 74.00 | 8.99 |
| 10360.00 | 50.14 | AV | H | 38.17 | 6.29 | 36.85 | 51.73 | 54.00 | 2.27 |
| 15540.00 | 45.83 | PK | H | 38.06 | 8.85 | 39.04 | 47.68 | 74.00 | 26.32 |
| 15540.00 | 32.36 | AV | H | 38.06 | 8.85 | 39.04 | 34.21 | 54.00 | 19.79 |
| 8835.00 | 47.04 | PK | H | 37.60 | 5.38 | 36.99 | 47.01 | 74.00 | 26.99 |
| 8835.00 | 32.17 | AV | H | 37.60 | 5.38 | 36.99 | 32.14 | 54.00 | 21.86 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 76.94 | PK | H | 33.62 | 3.60 | 0.00 | 108.14 | N/A | N/A |
| 5200.00 | 67.47 | AV | H | 33.62 | 3.60 | 0.00 | 98.67 | N/A | N/A |
| 5200.00 | 64.69 | PK | V | 33.62 | 3.60 | 0.00 | 95.89 | N/A | N/A |
| 5200.00 | 54.98 | AV | V | 33.62 | 3.60 | 0.00 | 86.18 | N/A | N/A |
| 10400.00 | 63.46 | PK | H | 38.18 | 6.32 | 36.86 | 65.08 | 74.00 | 8.92 |
| 10400.00 | 50.09 | AV | H | 38.18 | 6.32 | 36.86 | 51.71 | 54.00 | 2.29 |
| 15600.00 | 46.14 | PK | H | 38.00 | 8.83 | 39.09 | 47.86 | 74.00 | 26.14 |
| 15600.00 | 33.57 | AV | H | 38.00 | 8.83 | 39.09 | 35.29 | 54.00 | 18.71 |
| 9997.00 | 46.16 | PK | H | 38.10 | 6.07 | 36.77 | 47.54 | 74.00 | 26.46 |
| 9997.00 | 32.43 | AV | H | 38.10 | 6.07 | 36.77 | 33.81 | 54.00 | 20.19 |
| 8675.00 | 45.02 | PK | H | 37.51 | 5.28 | 37.05 | 44.74 | 74.00 | 29.26 |
| 8675.00 | 32.27 | AV | H | 37.51 | 5.28 | 37.05 | 31.99 | 54.00 | 22.01 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 77.69 | PK | H | 33.68 | 3.52 | 0.00 | 108.87 | N/A | N/A |
| 5240.00 | 67.37 | AV | H | 33.68 | 3.52 | 0.00 | 98.55 | N/A | N/A |
| 5240.00 | 65.75 | PK | V | 33.68 | 3.52 | 0.00 | 96.93 | N/A | N/A |
| 5240.00 | 55.49 | AV | V | 33.68 | 3.52 | 0.00 | 86.67 | N/A | N/A |
| 5350.00 | 27.08 | PK | H | 33.86 | 3.52 | 0.00 | 58.44 | 74.00 | 15.56 |
| 5350.00 | 14.86 | AV | H | 33.86 | 3.52 | 0.00 | 46.22 | 54.00 | 7.78 |
| 10480.00 | 63.26 | PK | H | 38.20 | 6.37 | 36.88 | 64.93 | 74.00 | 9.07 |
| 10480.00 | 50.15 | AV | H | 38.20 | 6.37 | 36.88 | 51.82 | 54.00 | 2.18 |
| 15720.00 | 46.12 | PK | H | 37.88 | 8.79 | 39.18 | 47.59 | 74.00 | 26.41 |
| 15720.00 | 32.59 | AV | H | 37.88 | 8.79 | 39.18 | 34.06 | 54.00 | 19.94 |
| 9315.00 | 46.79 | PK | H | 37.83 | 5.65 | 36.73 | 47.52 | 74.00 | 26.48 |
| 9315.00 | 31.91 | AV | H | 37.83 | 5.65 | 36.73 | 32.64 | 54.00 | 21.36 |

802.11 ac20 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.75 | PK | H | 33.59 | 3.58 | 0.00 | 108.90 | N/A | N/A |
| 5180.00 | 67.41 | AV | H | 33.59 | 3.58 | 0.00 | 98.56 | N/A | N/A |
| 5180.00 | 65.59 | PK | V | 33.59 | 3.58 | 0.00 | 96.74 | N/A | N/A |
| 5180.00 | 55.48 | AV | V | 33.59 | 3.58 | 0.00 | 86.63 | N/A | N/A |
| 5150.00 | 26.97 | PK | H | 33.54 | 3.56 | 0.00 | 58.05 | 74.00 | 15.95 |
| 5150.00 | 14.59 | AV | H | 33.54 | 3.56 | 0.00 | 45.67 | 54.00 | 8.33 |
| 10360.00 | 63.71 | PK | H | 38.17 | 6.29 | 36.85 | 65.30 | 74.00 | 8.70 |
| 10360.00 | 50.42 | AV | H | 38.17 | 6.29 | 36.85 | 52.01 | 54.00 | 1.99 |
| 15540.00 | 46.06 | PK | H | 38.06 | 8.85 | 39.04 | 47.91 | 74.00 | 26.09 |
| 15540.00 | 32.09 | AV | H | 38.06 | 8.85 | 39.04 | 33.94 | 54.00 | 20.06 |
| 8955.00 | 47.15 | PK | H | 37.67 | 5.46 | 36.95 | 47.31 | 74.00 | 26.69 |
| 8955.00 | 32.17 | AV | H | 37.67 | 5.46 | 36.95 | 32.33 | 54.00 | 21.67 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.19 | PK | H | 33.62 | 3.60 | 0.00 | 108.39 | N/A | N/A |
| 5200.00 | 67.72 | AV | H | 33.62 | 3.60 | 0.00 | 98.92 | N/A | N/A |
| 5200.00 | 64.71 | PK | V | 33.62 | 3.60 | 0.00 | 95.91 | N/A | N/A |
| 5200.00 | 54.71 | AV | V | 33.62 | 3.60 | 0.00 | 85.91 | N/A | N/A |
| 10400.00 | 63.62 | PK | H | 38.18 | 6.32 | 36.86 | 65.24 | 74.00 | 8.76 |
| 10400.00 | 50.03 | AV | H | 38.18 | 6.32 | 36.86 | 51.65 | 54.00 | 2.35 |
| 15600.00 | 46.37 | PK | H | 38.00 | 8.83 | 39.09 | 48.09 | 74.00 | 25.91 |
| 15600.00 | 33.65 | AV | H | 38.00 | 8.83 | 39.09 | 35.37 | 54.00 | 18.63 |
| 8634.00 | 45.93 | PK | H | 37.48 | 5.26 | 37.07 | 45.58 | 74.00 | 28.42 |
| 8634.00 | 32.48 | AV | H | 37.48 | 5.26 | 37.07 | 32.13 | 54.00 | 21.87 |
| 9514.00 | 44.96 | PK | H | 37.91 | 5.75 | 36.61 | 45.99 | 74.00 | 28.01 |
| 9514.00 | 32.53 | AV | H | 37.91 | 5.75 | 36.61 | 33.56 | 54.00 | 20.44 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 77.94 | PK | H | 33.68 | 3.52 | 0.00 | 109.12 | N/A | N/A |
| 5240.00 | 67.16 | AV | H | 33.68 | 3.52 | 0.00 | 98.34 | N/A | N/A |
| 5240.00 | 66.04 | PK | V | 33.68 | 3.52 | 0.00 | 97.22 | N/A | N/A |
| 5240.00 | 55.45 | AV | V | 33.68 | 3.52 | 0.00 | 86.63 | N/A | N/A |
| 5350.00 | 26.89 | PK | H | 33.86 | 3.52 | 0.00 | 58.25 | 74.00 | 15.75 |
| 5350.00 | 14.58 | AV | H | 33.86 | 3.52 | 0.00 | 45.94 | 54.00 | 8.06 |
| 10480.00 | 63.46 | PK | H | 38.20 | 6.37 | 36.88 | 65.13 | 74.00 | 8.87 |
| 10480.00 | 50.21 | AV | H | 38.20 | 6.37 | 36.88 | 51.88 | 54.00 | 2.12 |
| 15720.00 | 45.92 | PK | H | 37.88 | 8.79 | 39.18 | 47.39 | 74.00 | 26.61 |
| 15720.00 | 32.28 | AV | H | 37.88 | 8.79 | 39.18 | 33.75 | 54.00 | 20.25 |
| 9655.00 | 46.92 | PK | H | 37.96 | 5.84 | 36.66 | 48.04 | 74.00 | 25.96 |
| 9655.00 | 32.37 | AV | H | 37.96 | 5.84 | 36.66 | 33.49 | 54.00 | 20.51 |

802.11 n ht40 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 73.19 | PK | H | 33.60 | 3.59 | 0.00 | 104.36 | N/A | N/A |
| 5190.00 | 63.18 | AV | H | 33.60 | 3.59 | 0.00 | 94.35 | N/A | N/A |
| 5190.00 | 61.28 | PK | V | 33.60 | 3.59 | 0.00 | 92.45 | N/A | N/A |
| 5190.00 | 51.03 | AV | V | 33.60 | 3.59 | 0.00 | 82.20 | N/A | N/A |
| 5150.00 | 26.14 | PK | H | 33.54 | 3.56 | 0.00 | 57.22 | 74.00 | 16.78 |
| 5150.00 | 14.18 | AV | H | 33.54 | 3.56 | 0.00 | 45.26 | 54.00 | 8.74 |
| 10380.00 | 63.31 | PK | H | 38.18 | 6.31 | 36.85 | 64.93 | 74.00 | 9.07 |
| 10380.00 | 49.82 | AV | H | 38.18 | 6.31 | 36.85 | 51.44 | 54.00 | 2.56 |
| 15570.00 | 46.84 | PK | H | 38.03 | 8.84 | 39.06 | 48.63 | 74.00 | 25.37 |
| 15570.00 | 33.02 | AV | H | 38.03 | 8.84 | 39.06 | 34.81 | 54.00 | 19.19 |
| 8565.00 | 46.57 | PK | H | 37.44 | 5.21 | 37.10 | 46.10 | 74.00 | 27.90 |
| 8565.00 | 32.28 | AV | H | 37.44 | 5.21 | 37.10 | 31.81 | 54.00 | 22.19 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 73.06 | PK | H | 33.67 | 3.54 | 0.00 | 104.25 | N/A | N/A |
| 5230.00 | 63.14 | AV | H | 33.67 | 3.54 | 0.00 | 94.33 | N/A | N/A |
| 5230.00 | 61.13 | PK | V | 33.67 | 3.54 | 0.00 | 92.32 | N/A | N/A |
| 5230.00 | 51.15 | AV | V | 33.67 | 3.54 | 0.00 | 82.34 | N/A | N/A |
| 5350.00 | 26.18 | PK | H | 33.86 | 3.52 | 0.00 | 57.54 | 74.00 | 16.46 |
| 5350.00 | 14.19 | AV | H | 33.86 | 3.52 | 0.00 | 45.55 | 54.00 | 8.45 |
| 10460.00 | 63.44 | PK | H | 38.19 | 6.36 | 36.87 | 65.10 | 74.00 | 8.90 |
| 10460.00 | 49.71 | AV | H | 38.19 | 6.36 | 36.87 | 51.37 | 54.00 | 2.63 |
| 15690.00 | 46.98 | PK | H | 37.91 | 8.80 | 39.15 | 48.52 | 74.00 | 25.48 |
| 15690.00 | 33.01 | AV | H | 37.91 | 8.80 | 39.15 | 34.55 | 54.00 | 19.45 |
| 9675.00 | 46.65 | PK | H | 37.97 | 5.86 | 36.67 | 47.79 | 74.00 | 26.21 |
| 9675.00 | 32.35 | AV | H | 37.97 | 5.86 | 36.67 | 33.49 | 54.00 | 20.51 |

802.11 ac40 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 73.16 | PK | H | 33.60 | 3.59 | 0.00 | 104.33 | N/A | N/A |
| 5190.00 | 63.11 | AV | H | 33.60 | 3.59 | 0.00 | 94.28 | N/A | N/A |
| 5190.00 | 61.16 | PK | V | 33.60 | 3.59 | 0.00 | 92.33 | N/A | N/A |
| 5190.00 | 51.01 | AV | V | 33.60 | 3.59 | 0.00 | 82.18 | N/A | N/A |
| 5150.00 | 26.15 | PK | H | 33.54 | 3.56 | 0.00 | 57.23 | 74.00 | 16.77 |
| 5150.00 | 14.05 | AV | H | 33.54 | 3.56 | 0.00 | 45.13 | 54.00 | 8.87 |
| 10380.00 | 63.25 | PK | H | 38.18 | 6.31 | 36.85 | 64.87 | 74.00 | 9.13 |
| 10380.00 | 49.89 | AV | H | 38.18 | 6.31 | 36.85 | 51.51 | 54.00 | 2.49 |
| 15570.00 | 46.71 | PK | H | 38.03 | 8.84 | 39.06 | 48.50 | 74.00 | 25.50 |
| 15570.00 | 32.82 | AV | H | 38.03 | 8.84 | 39.06 | 34.61 | 54.00 | 19.39 |
| 8365.00 | 46.77 | PK | H | 37.24 | 5.06 | 37.01 | 46.04 | 74.00 | 27.96 |
| 8365.00 | 32.46 | AV | H | 37.24 | 5.06 | 37.01 | 31.73 | 54.00 | 22.27 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 73.13 | PK | H | 33.67 | 3.54 | 0.00 | 104.32 | N/A | N/A |
| 5230.00 | 63.02 | AV | H | 33.67 | 3.54 | 0.00 | 94.21 | N/A | N/A |
| 5230.00 | 61.41 | PK | V | 33.67 | 3.54 | 0.00 | 92.60 | N/A | N/A |
| 5230.00 | 50.92 | AV | V | 33.67 | 3.54 | 0.00 | 82.11 | N/A | N/A |
| 5350.00 | 26.32 | PK | H | 33.86 | 3.52 | 0.00 | 57.68 | 74.00 | 16.32 |
| 5350.00 | 13.98 | AV | H | 33.86 | 3.52 | 0.00 | 45.34 | 54.00 | 8.66 |
| 10460.00 | 63.34 | PK | H | 38.19 | 6.36 | 36.87 | 65.00 | 74.00 | 9.00 |
| 10460.00 | 49.94 | AV | H | 38.19 | 6.36 | 36.87 | 51.60 | 54.00 | 2.40 |
| 15690.00 | 46.68 | PK | H | 37.91 | 8.80 | 39.15 | 48.22 | 74.00 | 25.78 |
| 15690.00 | 33.15 | AV | H | 37.91 | 8.80 | 39.15 | 34.69 | 54.00 | 19.31 |
| 9655.00 | 46.61 | PK | H | 37.96 | 5.84 | 36.66 | 47.73 | 74.00 | 26.27 |
| 9655.00 | 32.29 | AV | H | 37.96 | 5.84 | 36.66 | 33.41 | 54.00 | 20.59 |

802.11 ac80 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 68.41 | PK | H | 33.64 | 3.58 | 0.00 | 99.61 | N/A | N/A |
| 5210.00 | 58.02 | AV | H | 33.64 | 3.58 | 0.00 | 89.22 | N/A | N/A |
| 5210.00 | 57.53 | PK | V | 33.64 | 3.58 | 0.00 | 88.73 | N/A | N/A |
| 5210.00 | 47.08 | AV | V | 33.64 | 3.58 | 0.00 | 78.28 | N/A | N/A |
| 5150.00 | 26.67 | PK | H | 33.54 | 3.56 | 0.00 | 57.75 | 74.00 | 16.25 |
| 5150.00 | 14.41 | AV | H | 33.54 | 3.56 | 0.00 | 45.49 | 54.00 | 8.51 |
| 5350.00 | 27.03 | PK | H | 33.86 | 3.52 | 0.00 | 58.39 | 74.00 | 15.61 |
| 5350.00 | 14.49 | AV | H | 33.86 | 3.52 | 0.00 | 45.85 | 54.00 | 8.15 |
| 10420.00 | 62.46 | PK | H | 38.18 | 6.33 | 36.86 | 64.09 | 74.00 | 9.91 |
| 10420.00 | 50.18 | AV | H | 38.18 | 6.33 | 36.86 | 51.81 | 54.00 | 2.19 |
| 15630.00 | 46.54 | PK | H | 37.97 | 8.82 | 39.11 | 48.20 | 74.00 | 25.80 |
| 15630.00 | 32.22 | AV | H | 37.97 | 8.82 | 39.11 | 33.88 | 54.00 | 20.12 |
| 9685.00 | 46.43 | PK | H | 37.97 | 5.86 | 36.67 | 47.57 | 74.00 | 26.43 |
| 9685.00 | 32.32 | AV | H | 37.97 | 5.86 | 36.67 | 33.46 | 54.00 | 20.54 |

**Radio 1, 5150-5250MHz, SISO:**
802.11a Mode(Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 68.17 | PK | H | 33.59 | 3.58 | 0.00 | 99.32 | N/A | N/A |
| 5180.00 | 58.62 | AV | H | 33.59 | 3.58 | 0.00 | 89.77 | N/A | N/A |
| 5180.00 | 72.53 | PK | V | 33.59 | 3.58 | 0.00 | 103.68 | N/A | N/A |
| 5180.00 | 62.65 | AV | V | 33.59 | 3.58 | 0.00 | 93.80 | N/A | N/A |
| 5150.00 | 27.15 | PK | V | 33.54 | 3.56 | 0.00 | 58.23 | 74.00 | 15.77 |
| 5150.00 | 15.45 | AV | V | 33.54 | 3.56 | 0.00 | 46.53 | 54.00 | 7.47 |
| 10360.00 | 46.78 | PK | V | 38.17 | 6.29 | 36.85 | 48.37 | 74.00 | 25.63 |
| 10360.00 | 32.21 | AV | V | 38.17 | 6.29 | 36.85 | 33.80 | 54.00 | 20.20 |
| 15540.00 | 46.65 | PK | V | 38.06 | 8.85 | 39.04 | 48.50 | 74.00 | 25.50 |
| 15540.00 | 32.39 | AV | V | 38.06 | 8.85 | 39.04 | 34.24 | 54.00 | 19.76 |
| 9355.00 | 45.76 | PK | V | 37.84 | 5.67 | 36.70 | 46.55 | 74.00 | 27.45 |
| 9355.00 | 31.62 | AV | V | 37.84 | 5.67 | 36.70 | 32.41 | 54.00 | 21.59 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 68.61 | PK | H | 33.62 | 3.60 | 0.00 | 99.81 | N/A | N/A |
| 5200.00 | 58.29 | AV | H | 33.62 | 3.60 | 0.00 | 89.49 | N/A | N/A |
| 5200.00 | 72.57 | PK | V | 33.62 | 3.60 | 0.00 | 103.77 | N/A | N/A |
| 5200.00 | 62.81 | AV | V | 33.62 | 3.60 | 0.00 | 94.01 | N/A | N/A |
| 10400.00 | 46.27 | PK | V | 38.18 | 6.32 | 36.86 | 47.89 | 74.00 | 26.11 |
| 10400.00 | 32.35 | AV | V | 38.18 | 6.32 | 36.86 | 33.97 | 54.00 | 20.03 |
| 15600.00 | 46.52 | PK | V | 38.00 | 8.83 | 39.09 | 48.24 | 74.00 | 25.76 |
| 15600.00 | 32.31 | AV | V | 38.00 | 8.83 | 39.09 | 34.03 | 54.00 | 19.97 |
| 8995.00 | 45.69 | PK | V | 37.70 | 5.49 | 36.93 | 45.93 | 74.00 | 28.07 |
| 8995.00 | 31.45 | AV | V | 37.70 | 5.49 | 36.93 | 31.69 | 54.00 | 22.31 |
| 9352.00 | 45.59 | PK | V | 37.84 | 5.67 | 36.70 | 46.38 | 74.00 | 27.62 |
| 9352.00 | 31.24 | AV | V | 37.84 | 5.67 | 36.70 | 32.03 | 54.00 | 21.97 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 68.57 | PK | H | 33.68 | 3.52 | 0.00 | 99.75 | N/A | N/A |
| 5240.00 | 58.23 | AV | H | 33.68 | 3.52 | 0.00 | 89.41 | N/A | N/A |
| 5240.00 | 72.57 | PK | V | 33.68 | 3.52 | 0.00 | 103.75 | N/A | N/A |
| 5240.00 | 61.91 | AV | V | 33.68 | 3.52 | 0.00 | 93.09 | N/A | N/A |
| 5350.00 | 26.97 | PK | V | 33.86 | 3.52 | 0.00 | 58.33 | 74.00 | 15.67 |
| 5350.00 | 14.78 | AV | V | 33.86 | 3.52 | 0.00 | 46.14 | 54.00 | 7.86 |
| 10480.00 | 46.56 | PK | V | 38.20 | 6.37 | 36.88 | 48.23 | 74.00 | 25.77 |
| 10480.00 | 32.43 | AV | V | 38.20 | 6.37 | 36.88 | 34.10 | 54.00 | 19.90 |
| 15720.00 | 46.26 | PK | V | 37.88 | 8.79 | 39.18 | 47.73 | 74.00 | 26.27 |
| 15720.00 | 32.32 | AV | V | 37.88 | 8.79 | 39.18 | 33.79 | 54.00 | 20.21 |
| 9655.00 | 45.84 | PK | V | 37.96 | 5.84 | 36.66 | 46.96 | 74.00 | 27.04 |
| 9655.00 | 31.55 | AV | V | 37.96 | 5.84 | 36.66 | 32.67 | 54.00 | 21.33 |

802.11n ht20 Mode(Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 65.27 | PK | H | 33.59 | 3.58 | 0.00 | 96.42 | N/A | N/A |
| 5180.00 | 55.49 | AV | H | 33.59 | 3.58 | 0.00 | 86.64 | N/A | N/A |
| 5180.00 | 71.52 | PK | V | 33.59 | 3.58 | 0.00 | 102.67 | N/A | N/A |
| 5180.00 | 61.47 | AV | V | 33.59 | 3.58 | 0.00 | 92.62 | N/A | N/A |
| 5150.00 | 26.11 | PK | V | 33.54 | 3.56 | 0.00 | 57.19 | 74.00 | 16.81 |
| 5150.00 | 14.43 | AV | V | 33.54 | 3.56 | 0.00 | 45.51 | 54.00 | 8.49 |
| 10360.00 | 46.55 | PK | V | 38.17 | 6.29 | 36.85 | 48.14 | 74.00 | 25.86 |
| 10360.00 | 32.55 | AV | V | 38.17 | 6.29 | 36.85 | 34.14 | 54.00 | 19.86 |
| 15540.00 | 46.61 | PK | V | 38.06 | 8.85 | 39.04 | 48.46 | 74.00 | 25.54 |
| 15540.00 | 32.57 | AV | V | 38.06 | 8.85 | 39.04 | 34.42 | 54.00 | 19.58 |
| 9355.00 | 45.58 | PK | V | 37.84 | 5.67 | 36.70 | 46.37 | 74.00 | 27.63 |
| 9355.00 | 31.48 | AV | V | 37.84 | 5.67 | 36.70 | 32.27 | 54.00 | 21.73 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 65.53 | PK | H | 33.62 | 3.60 | 0.00 | 96.73 | N/A | N/A |
| 5200.00 | 55.62 | AV | H | 33.62 | 3.60 | 0.00 | 86.82 | N/A | N/A |
| 5200.00 | 71.62 | PK | V | 33.62 | 3.60 | 0.00 | 102.82 | N/A | N/A |
| 5200.00 | 61.39 | AV | V | 33.62 | 3.60 | 0.00 | 92.59 | N/A | N/A |
| 10400.00 | 46.91 | PK | V | 38.18 | 6.32 | 36.86 | 48.53 | 74.00 | 25.47 |
| 10400.00 | 32.14 | AV | V | 38.18 | 6.32 | 36.86 | 33.76 | 54.00 | 20.24 |
| 15600.00 | 46.45 | PK | V | 38.00 | 8.83 | 39.09 | 48.17 | 74.00 | 25.83 |
| 15600.00 | 32.38 | AV | V | 38.00 | 8.83 | 39.09 | 34.10 | 54.00 | 19.9 |
| 8995.00 | 45.75 | PK | V | 37.70 | 5.49 | 36.93 | 45.99 | 74.00 | 28.01 |
| 8995.00 | 31.57 | AV | V | 37.70 | 5.49 | 36.93 | 31.81 | 54.00 | 22.19 |
| 9352.00 | 45.68 | PK | V | 37.84 | 5.67 | 36.70 | 46.47 | 74.00 | 27.53 |
| 9352.00 | 31.83 | AV | V | 37.84 | 5.67 | 36.70 | 32.62 | 54.00 | 21.38 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 65.91 | PK | H | 33.68 | 3.52 | 0.00 | 97.09 | N/A | N/A |
| 5240.00 | 55.89 | AV | H | 33.68 | 3.52 | 0.00 | 87.07 | N/A | N/A |
| 5240.00 | 70.71 | PK | V | 33.68 | 3.52 | 0.00 | 101.89 | N/A | N/A |
| 5240.00 | 60.34 | AV | V | 33.68 | 3.52 | 0.00 | 91.52 | N/A | N/A |
| 5350.00 | 26.52 | PK | V | 33.86 | 3.52 | 0.00 | 57.88 | 74.00 | 16.12 |
| 5350.00 | 15.26 | AV | V | 33.86 | 3.52 | 0.00 | 46.62 | 54.00 | 7.38 |
| 10480.00 | 47.13 | PK | V | 38.20 | 6.37 | 36.88 | 48.80 | 74.00 | 25.20 |
| 10480.00 | 32.58 | AV | V | 38.20 | 6.37 | 36.88 | 34.25 | 54.00 | 19.75 |
| 15720.00 | 46.54 | PK | V | 37.88 | 8.79 | 39.18 | 48.01 | 74.00 | 25.99 |
| 15720.00 | 32.23 | AV | V | 37.88 | 8.79 | 39.18 | 33.70 | 54.00 | 20.30 |
| 9655.00 | 45.91 | PK | V | 37.96 | 5.84 | 36.66 | 47.03 | 74.00 | 26.97 |
| 9655.00 | 31.65 | AV | V | 37.96 | 5.84 | 36.66 | 32.77 | 54.00 | 21.23 |

802.11 ac20 Mode(Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 65.18 | PK | H | 33.59 | 3.58 | 0.00 | 96.33 | N/A | N/A |
| 5180.00 | 55.34 | AV | H | 33.59 | 3.58 | 0.00 | 86.49 | N/A | N/A |
| 5180.00 | 71.39 | PK | V | 33.59 | 3.58 | 0.00 | 102.54 | N/A | N/A |
| 5180.00 | 61.48 | AV | V | 33.59 | 3.58 | 0.00 | 92.63 | N/A | N/A |
| 5150.00 | 26.03 | PK | V | 33.54 | 3.56 | 0.00 | 57.11 | 74.00 | 16.89 |
| 5150.00 | 14.57 | AV | V | 33.54 | 3.56 | 0.00 | 45.65 | 54.00 | 8.35 |
| 10360.00 | 46.56 | PK | V | 38.17 | 6.29 | 36.85 | 48.15 | 74.00 | 25.85 |
| 10360.00 | 32.59 | AV | V | 38.17 | 6.29 | 36.85 | 34.18 | 54.00 | 19.82 |
| 15540.00 | 46.58 | PK | V | 38.06 | 8.85 | 39.04 | 48.43 | 74.00 | 25.57 |
| 15540.00 | 32.68 | AV | V | 38.06 | 8.85 | 39.04 | 34.53 | 54.00 | 19.47 |
| 9355.00 | 45.39 | PK | V | 37.84 | 5.67 | 36.70 | 46.18 | 74.00 | 27.82 |
| 9355.00 | 31.52 | AV | V | 37.84 | 5.67 | 36.70 | 32.31 | 54.00 | 21.69 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 65.58 | PK | H | 33.62 | 3.60 | 0.00 | 96.78 | N/A | N/A |
| 5200.00 | 55.74 | AV | H | 33.62 | 3.60 | 0.00 | 86.94 | N/A | N/A |
| 5200.00 | 71.43 | PK | V | 33.62 | 3.60 | 0.00 | 102.63 | N/A | N/A |
| 5200.00 | 61.37 | AV | V | 33.62 | 3.60 | 0.00 | 92.57 | N/A | N/A |
| 10400.00 | 47.03 | PK | V | 38.18 | 6.32 | 36.86 | 48.65 | 74.00 | 25.35 |
| 10400.00 | 31.95 | AV | V | 38.18 | 6.32 | 36.86 | 33.57 | 54.00 | 20.43 |
| 15600.00 | 46.44 | PK | V | 38.00 | 8.83 | 39.09 | 48.16 | 74.00 | 25.84 |
| 15600.00 | 32.31 | AV | V | 38.00 | 8.83 | 39.09 | 34.03 | 54.00 | 19.97 |
| 8995.00 | 45.94 | PK | V | 37.70 | 5.49 | 36.93 | 46.18 | 74.00 | 27.82 |
| 8995.00 | 31.49 | AV | V | 37.70 | 5.49 | 36.93 | 31.73 | 54.00 | 22.27 |
| 9352.00 | 45.49 | PK | V | 37.84 | 5.67 | 36.70 | 46.28 | 74.00 | 27.72 |
| 9352.00 | 32.01 | AV | V | 37.84 | 5.67 | 36.70 | 32.80 | 54.00 | 21.2 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 66.11 | PK | H | 33.68 | 3.52 | 0.00 | 97.29 | N/A | N/A |
| 5240.00 | 55.93 | AV | H | 33.68 | 3.52 | 0.00 | 87.11 | N/A | N/A |
| 5240.00 | 70.84 | PK | V | 33.68 | 3.52 | 0.00 | 102.02 | N/A | N/A |
| 5240.00 | 60.25 | AV | V | 33.68 | 3.52 | 0.00 | 91.43 | N/A | N/A |
| 5350.00 | 26.76 | PK | V | 33.86 | 3.52 | 0.00 | 58.12 | 74.00 | 15.88 |
| 5350.00 | 15.33 | AV | V | 33.86 | 3.52 | 0.00 | 46.69 | 54.00 | 7.31 |
| 10480.00 | 47.24 | PK | V | 38.20 | 6.37 | 36.88 | 48.91 | 74.00 | 25.09 |
| 10480.00 | 32.52 | AV | V | 38.20 | 6.37 | 36.88 | 34.19 | 54.00 | 19.81 |
| 15720.00 | 46.74 | PK | V | 37.88 | 8.79 | 39.18 | 48.21 | 74.00 | 25.79 |
| 15720.00 | 32.29 | AV | V | 37.88 | 8.79 | 39.18 | 33.76 | 54.00 | 20.24 |
| 9655.00 | 45.86 | PK | V | 37.96 | 5.84 | 36.66 | 46.98 | 74.00 | 27.02 |
| 9655.00 | 31.84 | AV | V | 37.96 | 5.84 | 36.66 | 32.96 | 54.00 | 21.04 |

802.11 n ht40 Mode(Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 63.55 | PK | H | 33.60 | 3.59 | 0.00 | 94.72 | N/A | N/A |
| 5190.00 | 53.62 | AV | H | 33.60 | 3.59 | 0.00 | 84.79 | N/A | N/A |
| 5190.00 | 67.52 | PK | V | 33.60 | 3.59 | 0.00 | 98.69 | N/A | N/A |
| 5190.00 | 57.83 | AV | V | 33.60 | 3.59 | 0.00 | 89.00 | N/A | N/A |
| 5150.00 | 27.34 | PK | V | 33.54 | 3.56 | 0.00 | 58.42 | 74.00 | 15.58 |
| 5150.00 | 16.46 | AV | V | 33.54 | 3.56 | 0.00 | 47.54 | 54.00 | 6.46 |
| 10380.00 | 46.56 | PK | V | 38.18 | 6.31 | 36.85 | 48.18 | 74.00 | 25.82 |
| 10380.00 | 32.89 | AV | V | 38.18 | 6.31 | 36.85 | 34.51 | 54.00 | 19.49 |
| 15570.00 | 46.21 | PK | V | 38.03 | 8.84 | 39.06 | 48.00 | 74.00 | 26.00 |
| 15570.00 | 31.83 | AV | V | 38.03 | 8.84 | 39.06 | 33.62 | 54.00 | 20.38 |
| 9355.00 | 45.26 | PK | V | 37.84 | 5.67 | 36.70 | 46.05 | 74.00 | 27.95 |
| 9355.00 | 31.59 | AV | V | 37.84 | 5.67 | 36.70 | 32.38 | 54.00 | 21.62 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 63.31 | PK | H | 33.67 | 3.54 | 0.00 | 94.50 | N/A | N/A |
| 5230.00 | 53.48 | AV | H | 33.67 | 3.54 | 0.00 | 84.67 | N/A | N/A |
| 5230.00 | 67.73 | PK | V | 33.67 | 3.54 | 0.00 | 98.92 | N/A | N/A |
| 5230.00 | 57.56 | AV | V | 33.67 | 3.54 | 0.00 | 88.75 | N/A | N/A |
| 5350.00 | 26.58 | PK | V | 33.86 | 3.52 | 0.00 | 57.94 | 74.00 | 16.06 |
| 5350.00 | 14.46 | AV | V | 33.86 | 3.52 | 0.00 | 45.82 | 54.00 | 8.18 |
| 10460.00 | 46.16 | PK | V | 38.19 | 6.36 | 36.87 | 47.82 | 74.00 | 26.18 |
| 10460.00 | 32.36 | AV | V | 38.19 | 6.36 | 36.87 | 34.02 | 54.00 | 19.98 |
| 15690.00 | 45.79 | PK | V | 37.91 | 8.80 | 39.15 | 47.33 | 74.00 | 26.67 |
| 15690.00 | 31.39 | AV | V | 37.91 | 8.80 | 39.15 | 32.93 | 54.00 | 21.07 |
| 9655.00 | 45.15 | PK | V | 37.96 | 5.84 | 36.66 | 46.27 | 74.00 | 27.73 |
| 9655.00 | 31.65 | AV | V | 37.96 | 5.84 | 36.66 | 32.77 | 54.00 | 21.23 |

802.11 ac40 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 63.69 | PK | H | 33.60 | 3.59 | 0.00 | 94.86 | N/A | N/A |
| 5190.00 | 53.67 | AV | H | 33.60 | 3.59 | 0.00 | 84.84 | N/A | N/A |
| 5190.00 | 67.72 | PK | V | 33.60 | 3.59 | 0.00 | 98.89 | N/A | N/A |
| 5190.00 | 58.24 | AV | V | 33.60 | 3.59 | 0.00 | 89.41 | N/A | N/A |
| 5150.00 | 27.25 | PK | V | 33.54 | 3.56 | 0.00 | 58.33 | 74.00 | 15.67 |
| 5150.00 | 16.63 | AV | V | 33.54 | 3.56 | 0.00 | 47.71 | 54.00 | 6.29 |
| 10380.00 | 46.55 | PK | V | 38.18 | 6.31 | 36.85 | 48.17 | 74.00 | 25.83 |
| 10380.00 | 32.81 | AV | V | 38.18 | 6.31 | 36.85 | 34.43 | 54.00 | 19.57 |
| 15570.00 | 46.34 | PK | V | 38.03 | 8.84 | 39.06 | 48.13 | 74.00 | 25.87 |
| 15570.00 | 31.67 | AV | V | 38.03 | 8.84 | 39.06 | 33.46 | 54.00 | 20.54 |
| 9355.00 | 45.11 | PK | V | 37.84 | 5.67 | 36.70 | 45.90 | 74.00 | 28.10 |
| 9355.00 | 31.54 | AV | V | 37.84 | 5.67 | 36.70 | 32.33 | 54.00 | 21.67 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 63.47 | PK | H | 33.67 | 3.54 | 0.00 | 94.66 | N/A | N/A |
| 5230.00 | 53.57 | AV | H | 33.67 | 3.54 | 0.00 | 84.76 | N/A | N/A |
| 5230.00 | 67.66 | PK | V | 33.67 | 3.54 | 0.00 | 98.85 | N/A | N/A |
| 5230.00 | 57.79 | AV | V | 33.67 | 3.54 | 0.00 | 88.98 | N/A | N/A |
| 5350.00 | 26.53 | PK | V | 33.86 | 3.52 | 0.00 | 57.89 | 74.00 | 16.11 |
| 5350.00 | 14.57 | AV | V | 33.86 | 3.52 | 0.00 | 45.93 | 54.00 | 8.07 |
| 10460.00 | 46.28 | PK | V | 38.19 | 6.36 | 36.87 | 47.94 | 74.00 | 26.06 |
| 10460.00 | 32.56 | AV | V | 38.19 | 6.36 | 36.87 | 34.22 | 54.00 | 19.78 |
| 15690.00 | 45.67 | PK | V | 37.91 | 8.80 | 39.15 | 47.21 | 74.00 | 26.79 |
| 15690.00 | 31.54 | AV | V | 37.91 | 8.80 | 39.15 | 33.08 | 54.00 | 20.92 |
| 9655.00 | 45.29 | PK | V | 37.96 | 5.84 | 36.66 | 46.41 | 74.00 | 27.59 |
| 9655.00 | 31.58 | AV | V | 37.96 | 5.84 | 36.66 | 32.70 | 54.00 | 21.30 |

802.11 ac80 Mode(Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 60.53 | PK | H | 33.64 | 3.58 | 0.00 | 91.73 | N/A | N/A |
| 5210.00 | 50.25 | AV | H | 33.64 | 3.58 | 0.00 | 81.45 | N/A | N/A |
| 5210.00 | 66.06 | PK | V | 33.64 | 3.58 | 0.00 | 97.26 | N/A | N/A |
| 5210.00 | 56.15 | AV | V | 33.64 | 3.58 | 0.00 | 87.35 | N/A | N/A |
| 5150.00 | 28.36 | PK | V | 33.54 | 3.56 | 0.00 | 59.44 | 74.00 | 14.56 |
| 5150.00 | 16.22 | AV | V | 33.54 | 3.56 | 0.00 | 47.30 | 54.00 | 6.70 |
| 5350.00 | 28.13 | PK | V | 33.86 | 3.52 | 0.00 | 59.49 | 74.00 | 14.51 |
| 5350.00 | 16.02 | AV | V | 33.86 | 3.52 | 0.00 | 47.38 | 54.00 | 6.62 |
| 10420.00 | 48.11 | PK | V | 38.18 | 6.33 | 36.86 | 49.74 | 74.00 | 24.26 |
| 10420.00 | 33.24 | AV | V | 38.18 | 6.33 | 36.86 | 34.87 | 54.00 | 19.13 |
| 15630.00 | 46.96 | PK | V | 37.97 | 8.82 | 39.11 | 48.62 | 74.00 | 25.38 |
| 15630.00 | 32.85 | AV | V | 37.97 | 8.82 | 39.11 | 34.51 | 54.00 | 19.49 |
| 9685.00 | 46.16 | PK | V | 37.97 | 5.86 | 36.67 | 47.30 | 74.00 | 26.70 |
| 9685.00 | 32.21 | AV | V | 37.97 | 5.86 | 36.67 | 33.35 | 54.00 | 20.65 |

**Radio 1, 5150-5250MHz, Non-beamforming 2TX**

802.11a Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 73.27 | PK | H | 33.59 | 3.58 | 0.00 | 104.42 | N/A | N/A |
| 5180.00 | 63.58 | AV | H | 33.59 | 3.58 | 0.00 | 94.73 | N/A | N/A |
| 5180.00 | 79.46 | PK | V | 33.59 | 3.58 | 0.00 | 110.61 | N/A | N/A |
| 5180.00 | 69.68 | AV | V | 33.59 | 3.58 | 0.00 | 100.83 | N/A | N/A |
| 5150.00 | 27.04 | PK | V | 33.54 | 3.56 | 0.00 | 58.12 | 74.00 | 15.88 |
| 5150.00 | 15.47 | AV | V | 33.54 | 3.56 | 0.00 | 46.55 | 54.00 | 7.45 |
| 10360.00 | 46.86 | PK | V | 38.17 | 6.29 | 36.85 | 48.45 | 74.00 | 25.55 |
| 10360.00 | 32.15 | AV | V | 38.17 | 6.29 | 36.85 | 33.74 | 54.00 | 20.26 |
| 15540.00 | 46.55 | PK | V | 38.06 | 8.85 | 39.04 | 48.40 | 74.00 | 25.60 |
| 15540.00 | 32.34 | AV | V | 38.06 | 8.85 | 39.04 | 34.19 | 54.00 | 19.81 |
| 9355.00 | 45.61 | PK | V | 37.84 | 5.67 | 36.70 | 46.40 | 74.00 | 27.60 |
| 9355.00 | 31.76 | AV | V | 37.84 | 5.67 | 36.70 | 32.55 | 54.00 | 21.45 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 73.63 | PK | H | 33.62 | 3.60 | 0.00 | 104.83 | N/A | N/A |
| 5200.00 | 63.39 | AV | H | 33.62 | 3.60 | 0.00 | 94.59 | N/A | N/A |
| 5200.00 | 79.52 | PK | V | 33.62 | 3.60 | 0.00 | 110.72 | N/A | N/A |
| 5200.00 | 69.67 | AV | V | 33.62 | 3.60 | 0.00 | 100.87 | N/A | N/A |
| 10400.00 | 46.46 | PK | V | 38.18 | 6.32 | 36.86 | 48.08 | 74.00 | 25.92 |
| 10400.00 | 32.22 | AV | V | 38.18 | 6.32 | 36.86 | 33.84 | 54.00 | 20.16 |
| 15600.00 | 46.34 | PK | V | 38.00 | 8.83 | 39.09 | 48.06 | 74.00 | 25.94 |
| 15600.00 | 32.43 | AV | V | 38.00 | 8.83 | 39.09 | 34.15 | 54.00 | 19.85 |
| 8995.00 | 45.71 | PK | V | 37.70 | 5.49 | 36.93 | 45.95 | 74.00 | 28.05 |
| 8995.00 | 31.52 | AV | V | 37.70 | 5.49 | 36.93 | 31.76 | 54.00 | 22.24 |
| 9352.00 | 45.59 | PK | V | 37.84 | 5.67 | 36.70 | 46.38 | 74.00 | 27.62 |
| 9352.00 | 31.42 | AV | V | 37.84 | 5.67 | 36.70 | 32.21 | 54.00 | 21.79 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 73.56 | PK | H | 33.68 | 3.52 | 0.00 | 104.74 | N/A | N/A |
| 5240.00 | 63.09 | AV | H | 33.68 | 3.52 | 0.00 | 94.27 | N/A | N/A |
| 5240.00 | 79.72 | PK | V | 33.68 | 3.52 | 0.00 | 110.90 | N/A | N/A |
| 5240.00 | 70.04 | AV | V | 33.68 | 3.52 | 0.00 | 101.22 | N/A | N/A |
| 5350.00 | 26.92 | PK | V | 33.86 | 3.52 | 0.00 | 58.28 | 74.00 | 15.72 |
| 5350.00 | 14.64 | AV | V | 33.86 | 3.52 | 0.00 | 46.00 | 54.00 | 8.00 |
| 10480.00 | 46.62 | PK | V | 38.20 | 6.37 | 36.88 | 48.29 | 74.00 | 25.71 |
| 10480.00 | 32.38 | AV | V | 38.20 | 6.37 | 36.88 | 34.05 | 54.00 | 19.95 |
| 15720.00 | 46.27 | PK | V | 37.88 | 8.79 | 39.18 | 47.74 | 74.00 | 26.26 |
| 15720.00 | 32.31 | AV | V | 37.88 | 8.79 | 39.18 | 33.78 | 54.00 | 20.22 |
| 9655.00 | 45.72 | PK | V | 37.96 | 5.84 | 36.66 | 46.84 | 74.00 | 27.16 |
| 9655.00 | 31.63 | AV | V | 37.96 | 5.84 | 36.66 | 32.75 | 54.00 | 21.25 |

802.11n ht20 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 71.45 | PK | H | 33.59 | 3.58 | 0.00 | 102.60 | N/A | N/A |
| 5180.00 | 61.55 | AV | H | 33.59 | 3.58 | 0.00 | 92.70 | N/A | N/A |
| 5180.00 | 79.62 | PK | V | 33.59 | 3.58 | 0.00 | 110.77 | N/A | N/A |
| 5180.00 | 69.52 | AV | V | 33.59 | 3.58 | 0.00 | 100.67 | N/A | N/A |
| 5150.00 | 27.26 | PK | V | 33.54 | 3.56 | 0.00 | 58.34 | 74.00 | 15.66 |
| 5150.00 | 14.24 | AV | V | 33.54 | 3.56 | 0.00 | 45.32 | 54.00 | 8.68 |
| 10360.00 | 46.73 | PK | V | 38.17 | 6.29 | 36.85 | 48.32 | 74.00 | 25.68 |
| 10360.00 | 32.53 | AV | V | 38.17 | 6.29 | 36.85 | 34.12 | 54.00 | 19.88 |
| 15540.00 | 46.53 | PK | V | 38.06 | 8.85 | 39.04 | 48.38 | 74.00 | 25.62 |
| 15540.00 | 32.52 | AV | V | 38.06 | 8.85 | 39.04 | 34.37 | 54.00 | 19.63 |
| 9355.00 | 45.87 | PK | V | 37.84 | 5.67 | 36.70 | 46.66 | 74.00 | 27.34 |
| 9355.00 | 31.65 | AV | V | 37.84 | 5.67 | 36.70 | 32.44 | 54.00 | 21.56 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 71.05 | PK | H | 33.62 | 3.60 | 0.00 | 102.25 | N/A | N/A |
| 5200.00 | 61.65 | AV | H | 33.62 | 3.60 | 0.00 | 92.85 | N/A | N/A |
| 5200.00 | 78.68 | PK | V | 33.62 | 3.60 | 0.00 | 109.88 | N/A | N/A |
| 5200.00 | 68.50 | AV | V | 33.62 | 3.60 | 0.00 | 99.70 | N/A | N/A |
| 10400.00 | 46.79 | PK | V | 38.18 | 6.32 | 36.86 | 48.41 | 74.00 | 25.59 |
| 10400.00 | 32.26 | AV | V | 38.18 | 6.32 | 36.86 | 33.88 | 54.00 | 20.12 |
| 15600.00 | 46.38 | PK | V | 38.00 | 8.83 | 39.09 | 48.10 | 74.00 | 25.9 |
| 15600.00 | 32.46 | AV | V | 38.00 | 8.83 | 39.09 | 34.18 | 54.00 | 19.82 |
| 8995.00 | 45.62 | PK | V | 37.70 | 5.49 | 36.93 | 45.86 | 74.00 | 28.14 |
| 8995.00 | 31.65 | AV | V | 37.70 | 5.49 | 36.93 | 31.89 | 54.00 | 22.11 |
| 9352.00 | 45.59 | PK | V | 37.84 | 5.67 | 36.70 | 46.38 | 74.00 | 27.62 |
| 9352.00 | 31.78 | AV | V | 37.84 | 5.67 | 36.70 | 32.57 | 54.00 | 21.43 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 71.79 | PK | H | 33.68 | 3.52 | 0.00 | 102.97 | N/A | N/A |
| 5240.00 | 61.97 | AV | H | 33.68 | 3.52 | 0.00 | 93.15 | N/A | N/A |
| 5240.00 | 78.89 | PK | V | 33.68 | 3.52 | 0.00 | 110.07 | N/A | N/A |
| 5240.00 | 68.25 | AV | V | 33.68 | 3.52 | 0.00 | 99.43 | N/A | N/A |
| 5350.00 | 26.33 | PK | V | 33.86 | 3.52 | 0.00 | 57.69 | 74.00 | 16.31 |
| 5350.00 | 15.16 | AV | V | 33.86 | 3.52 | 0.00 | 46.52 | 54.00 | 7.48 |
| 10480.00 | 47.13 | PK | V | 38.20 | 6.37 | 36.88 | 48.80 | 74.00 | 25.20 |
| 10480.00 | 32.56 | AV | V | 38.20 | 6.37 | 36.88 | 34.23 | 54.00 | 19.77 |
| 15720.00 | 46.48 | PK | V | 37.88 | 8.79 | 39.18 | 47.95 | 74.00 | 26.05 |
| 15720.00 | 32.19 | AV | V | 37.88 | 8.79 | 39.18 | 33.66 | 54.00 | 20.34 |
| 9655.00 | 45.81 | PK | V | 37.96 | 5.84 | 36.66 | 46.93 | 74.00 | 27.07 |
| 9655.00 | 31.69 | AV | V | 37.96 | 5.84 | 36.66 | 32.81 | 54.00 | 21.19 |

802.11 ac20 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 71.39 | PK | H | 33.59 | 3.58 | 0.00 | 102.54 | N/A | N/A |
| 5180.00 | 61.58 | AV | H | 33.59 | 3.58 | 0.00 | 92.73 | N/A | N/A |
| 5180.00 | 79.47 | PK | V | 33.59 | 3.58 | 0.00 | 110.62 | N/A | N/A |
| 5180.00 | 69.54 | AV | V | 33.59 | 3.58 | 0.00 | 100.69 | N/A | N/A |
| 5150.00 | 27.36 | PK | V | 33.54 | 3.56 | 0.00 | 58.44 | 74.00 | 15.56 |
| 5150.00 | 14.29 | AV | V | 33.54 | 3.56 | 0.00 | 45.37 | 54.00 | 8.63 |
| 10360.00 | 46.81 | PK | V | 38.17 | 6.29 | 36.85 | 48.40 | 74.00 | 25.60 |
| 10360.00 | 32.53 | AV | V | 38.17 | 6.29 | 36.85 | 34.12 | 54.00 | 19.88 |
| 15540.00 | 46.42 | PK | V | 38.06 | 8.85 | 39.04 | 48.27 | 74.00 | 25.73 |
| 15540.00 | 32.51 | AV | V | 38.06 | 8.85 | 39.04 | 34.36 | 54.00 | 19.64 |
| 9355.00 | 45.83 | PK | V | 37.84 | 5.67 | 36.70 | 46.62 | 74.00 | 27.38 |
| 9355.00 | 31.62 | AV | V | 37.84 | 5.67 | 36.70 | 32.41 | 54.00 | 21.59 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 71.06 | PK | H | 33.62 | 3.60 | 0.00 | 102.26 | N/A | N/A |
| 5200.00 | 61.69 | AV | H | 33.62 | 3.60 | 0.00 | 92.89 | N/A | N/A |
| 5200.00 | 78.57 | PK | V | 33.62 | 3.60 | 0.00 | 109.77 | N/A | N/A |
| 5200.00 | 68.43 | AV | V | 33.62 | 3.60 | 0.00 | 99.63 | N/A | N/A |
| 10400.00 | 46.93 | PK | V | 38.18 | 6.32 | 36.86 | 48.55 | 74.00 | 25.45 |
| 10400.00 | 32.08 | AV | V | 38.18 | 6.32 | 36.86 | 33.70 | 54.00 | 20.3 |
| 15600.00 | 46.53 | PK | V | 38.00 | 8.83 | 39.09 | 48.25 | 74.00 | 25.75 |
| 15600.00 | 32.65 | AV | V | 38.00 | 8.83 | 39.09 | 34.37 | 54.00 | 19.63 |
| 8995.00 | 45.51 | PK | V | 37.70 | 5.49 | 36.93 | 45.75 | 74.00 | 28.25 |
| 8995.00 | 31.74 | AV | V | 37.70 | 5.49 | 36.93 | 31.98 | 54.00 | 22.02 |
| 9352.00 | 45.55 | PK | V | 37.84 | 5.67 | 36.70 | 46.34 | 74.00 | 27.66 |
| 9352.00 | 31.97 | AV | V | 37.84 | 5.67 | 36.70 | 32.76 | 54.00 | 21.24 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 71.65 | PK | H | 33.68 | 3.52 | 0.00 | 102.83 | N/A | N/A |
| 5240.00 | 62.05 | AV | H | 33.68 | 3.52 | 0.00 | 93.23 | N/A | N/A |
| 5240.00 | 78.82 | PK | V | 33.68 | 3.52 | 0.00 | 110.00 | N/A | N/A |
| 5240.00 | 68.42 | AV | V | 33.68 | 3.52 | 0.00 | 99.60 | N/A | N/A |
| 5350.00 | 26.44 | PK | V | 33.86 | 3.52 | 0.00 | 57.80 | 74.00 | 16.20 |
| 5350.00 | 15.35 | AV | V | 33.86 | 3.52 | 0.00 | 46.71 | 54.00 | 7.29 |
| 10480.00 | 47.23 | PK | V | 38.20 | 6.37 | 36.88 | 48.90 | 74.00 | 25.10 |
| 10480.00 | 32.51 | AV | V | 38.20 | 6.37 | 36.88 | 34.18 | 54.00 | 19.82 |
| 15720.00 | 46.49 | PK | V | 37.88 | 8.79 | 39.18 | 47.96 | 74.00 | 26.04 |
| 15720.00 | 32.38 | AV | V | 37.88 | 8.79 | 39.18 | 33.85 | 54.00 | 20.15 |
| 9655.00 | 45.93 | PK | V | 37.96 | 5.84 | 36.66 | 47.05 | 74.00 | 26.95 |
| 9655.00 | 31.69 | AV | V | 37.96 | 5.84 | 36.66 | 32.81 | 54.00 | 21.19 |

802.11 n ht40 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 69.05 | PK | H | 33.60 | 3.59 | 0.00 | 100.22 | N/A | N/A |
| 5190.00 | 58.67 | AV | H | 33.60 | 3.59 | 0.00 | 89.84 | N/A | N/A |
| 5190.00 | 76.79 | PK | V | 33.60 | 3.59 | 0.00 | 107.96 | N/A | N/A |
| 5190.00 | 66.89 | AV | V | 33.60 | 3.59 | 0.00 | 98.06 | N/A | N/A |
| 5150.00 | 29.62 | PK | V | 33.54 | 3.56 | 0.00 | 60.70 | 74.00 | 13.30 |
| 5150.00 | 16.29 | AV | V | 33.54 | 3.56 | 0.00 | 47.37 | 54.00 | 6.63 |
| 10380.00 | 46.35 | PK | V | 38.18 | 6.31 | 36.85 | 47.97 | 74.00 | 26.03 |
| 10380.00 | 32.79 | AV | V | 38.18 | 6.31 | 36.85 | 34.41 | 54.00 | 19.59 |
| 15570.00 | 46.08 | PK | V | 38.03 | 8.84 | 39.06 | 47.87 | 74.00 | 26.13 |
| 15570.00 | 31.57 | AV | V | 38.03 | 8.84 | 39.06 | 33.36 | 54.00 | 20.64 |
| 9355.00 | 45.18 | PK | V | 37.84 | 5.67 | 36.70 | 45.97 | 74.00 | 28.03 |
| 9355.00 | 31.69 | AV | V | 37.84 | 5.67 | 36.70 | 32.48 | 54.00 | 21.52 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 69.26 | PK | H | 33.67 | 3.54 | 0.00 | 100.45 | N/A | N/A |
| 5230.00 | 59.54 | AV | H | 33.67 | 3.54 | 0.00 | 90.73 | N/A | N/A |
| 5230.00 | 76.23 | PK | V | 33.67 | 3.54 | 0.00 | 107.42 | N/A | N/A |
| 5230.00 | 66.52 | AV | V | 33.67 | 3.54 | 0.00 | 97.71 | N/A | N/A |
| 5350.00 | 26.39 | PK | V | 33.86 | 3.52 | 0.00 | 57.75 | 74.00 | 16.25 |
| 5350.00 | 14.42 | AV | V | 33.86 | 3.52 | 0.00 | 45.78 | 54.00 | 8.22 |
| 10460.00 | 46.26 | PK | V | 38.19 | 6.36 | 36.87 | 47.92 | 74.00 | 26.08 |
| 10460.00 | 32.37 | AV | V | 38.19 | 6.36 | 36.87 | 34.03 | 54.00 | 19.97 |
| 15690.00 | 45.89 | PK | V | 37.91 | 8.80 | 39.15 | 47.43 | 74.00 | 26.57 |
| 15690.00 | 31.56 | AV | V | 37.91 | 8.80 | 39.15 | 33.10 | 54.00 | 20.90 |
| 9655.00 | 45.32 | PK | V | 37.96 | 5.84 | 36.66 | 46.44 | 74.00 | 27.56 |
| 9655.00 | 31.63 | AV | V | 37.96 | 5.84 | 36.66 | 32.75 | 54.00 | 21.25 |

802.11 ac40 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 68.86 | PK | H | 33.60 | 3.59 | 0.00 | 100.03 | N/A | N/A |
| 5190.00 | 58.76 | AV | H | 33.60 | 3.59 | 0.00 | 89.93 | N/A | N/A |
| 5190.00 | 76.88 | PK | V | 33.60 | 3.59 | 0.00 | 108.05 | N/A | N/A |
| 5190.00 | 66.72 | AV | V | 33.60 | 3.59 | 0.00 | 97.89 | N/A | N/A |
| 5150.00 | 29.47 | PK | V | 33.54 | 3.56 | 0.00 | 60.55 | 74.00 | 13.45 |
| 5150.00 | 16.22 | AV | V | 33.54 | 3.56 | 0.00 | 47.30 | 54.00 | 6.70 |
| 10380.00 | 46.33 | PK | V | 38.18 | 6.31 | 36.85 | 47.95 | 74.00 | 26.05 |
| 10380.00 | 32.94 | AV | V | 38.18 | 6.31 | 36.85 | 34.56 | 54.00 | 19.44 |
| 15570.00 | 46.15 | PK | V | 38.03 | 8.84 | 39.06 | 47.94 | 74.00 | 26.06 |
| 15570.00 | 31.62 | AV | V | 38.03 | 8.84 | 39.06 | 33.41 | 54.00 | 20.59 |
| 9355.00 | 45.33 | PK | V | 37.84 | 5.67 | 36.70 | 46.12 | 74.00 | 27.88 |
| 9355.00 | 31.54 | AV | V | 37.84 | 5.67 | 36.70 | 32.33 | 54.00 | 21.67 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 69.07 | PK | H | 33.67 | 3.54 | 0.00 | 100.26 | N/A | N/A |
| 5230.00 | 59.56 | AV | H | 33.67 | 3.54 | 0.00 | 90.75 | N/A | N/A |
| 5230.00 | 76.15 | PK | V | 33.67 | 3.54 | 0.00 | 107.34 | N/A | N/A |
| 5230.00 | 66.65 | AV | V | 33.67 | 3.54 | 0.00 | 97.84 | N/A | N/A |
| 5350.00 | 26.27 | PK | V | 33.86 | 3.52 | 0.00 | 57.63 | 74.00 | 16.37 |
| 5350.00 | 14.31 | AV | V | 33.86 | 3.52 | 0.00 | 45.67 | 54.00 | 8.33 |
| 10460.00 | 46.20 | PK | V | 38.19 | 6.36 | 36.87 | 47.86 | 74.00 | 26.14 |
| 10460.00 | 32.53 | AV | V | 38.19 | 6.36 | 36.87 | 34.19 | 54.00 | 19.81 |
| 15690.00 | 45.97 | PK | V | 37.91 | 8.80 | 39.15 | 47.51 | 74.00 | 26.49 |
| 15690.00 | 31.72 | AV | V | 37.91 | 8.80 | 39.15 | 33.26 | 54.00 | 20.74 |
| 9655.00 | 45.21 | PK | V | 37.96 | 5.84 | 36.66 | 46.33 | 74.00 | 27.67 |
| 9655.00 | 31.59 | AV | V | 37.96 | 5.84 | 36.66 | 32.71 | 54.00 | 21.29 |

802.11 ac80 Mode

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 66.81 | PK | H | 33.64 | 3.58 | 0.00 | 98.01 | N/A | N/A |
| 5210.00 | 57.06 | AV | H | 33.64 | 3.58 | 0.00 | 88.26 | N/A | N/A |
| 5210.00 | 72.87 | PK | V | 33.64 | 3.58 | 0.00 | 104.07 | N/A | N/A |
| 5210.00 | 62.96 | AV | V | 33.64 | 3.58 | 0.00 | 94.16 | N/A | N/A |
| 5150.00 | 35.17 | PK | V | 33.54 | 3.56 | 0.00 | 66.25 | 74.00 | 7.75 |
| 5150.00 | 19.03 | AV | V | 33.54 | 3.56 | 0.00 | 50.11 | 54.00 | 3.89 |
| 5350.00 | 33.94 | PK | V | 33.86 | 3.52 | 0.00 | 65.30 | 74.00 | 8.70 |
| 5350.00 | 17.13 | AV | V | 33.86 | 3.52 | 0.00 | 48.49 | 54.00 | 5.51 |
| 10420.00 | 47.92 | PK | V | 38.18 | 6.33 | 36.86 | 49.55 | 74.00 | 24.45 |
| 10420.00 | 33.05 | AV | V | 38.18 | 6.33 | 36.86 | 34.68 | 54.00 | 19.32 |
| 15630.00 | 46.77 | PK | V | 37.97 | 8.82 | 39.11 | 48.43 | 74.00 | 25.57 |
| 15630.00 | 32.66 | AV | V | 37.97 | 8.82 | 39.11 | 34.32 | 54.00 | 19.68 |
| 9685.00 | 45.97 | PK | V | 37.97 | 5.86 | 36.67 | 47.11 | 74.00 | 26.89 |
| 9685.00 | 32.02 | AV | V | 37.97 | 5.86 | 36.67 | 33.16 | 54.00 | 20.84 |

**Radio 1, 5150-5250MHz, Non-beamforming 3TX**

802.11a Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 73.56 | PK | H | 33.59 | 3.58 | 0.00 | 104.71 | N/A | N/A |
| 5180.00 | 63.96 | AV | H | 33.59 | 3.58 | 0.00 | 95.11 | N/A | N/A |
| 5180.00 | 80.84 | PK | V | 33.59 | 3.58 | 0.00 | 111.99 | N/A | N/A |
| 5180.00 | 70.83 | AV | V | 33.59 | 3.58 | 0.00 | 101.98 | N/A | N/A |
| 5150.00 | 27.62 | PK | V | 33.54 | 3.56 | 0.00 | 58.70 | 74.00 | 15.30 |
| 5150.00 | 15.35 | AV | V | 33.54 | 3.56 | 0.00 | 46.43 | 54.00 | 7.57 |
| 10360.00 | 46.81 | PK | V | 38.17 | 6.29 | 36.85 | 48.40 | 74.00 | 25.60 |
| 10360.00 | 32.27 | AV | V | 38.17 | 6.29 | 36.85 | 33.86 | 54.00 | 20.14 |
| 15540.00 | 46.69 | PK | V | 38.06 | 8.85 | 39.04 | 48.54 | 74.00 | 25.46 |
| 15540.00 | 32.19 | AV | V | 38.06 | 8.85 | 39.04 | 34.04 | 54.00 | 19.96 |
| 9355.00 | 45.53 | PK | V | 37.84 | 5.67 | 36.70 | 46.32 | 74.00 | 27.68 |
| 9355.00 | 31.64 | AV | V | 37.84 | 5.67 | 36.70 | 32.43 | 54.00 | 21.57 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 73.65 | PK | H | 33.62 | 3.60 | 0.00 | 104.85 | N/A | N/A |
| 5200.00 | 63.66 | AV | H | 33.62 | 3.60 | 0.00 | 94.86 | N/A | N/A |
| 5200.00 | 80.44 | PK | V | 33.62 | 3.60 | 0.00 | 111.64 | N/A | N/A |
| 5200.00 | 70.89 | AV | V | 33.62 | 3.60 | 0.00 | 102.09 | N/A | N/A |
| 10400.00 | 46.66 | PK | V | 38.18 | 6.32 | 36.86 | 48.28 | 74.00 | 25.72 |
| 10400.00 | 32.41 | AV | V | 38.18 | 6.32 | 36.86 | 34.03 | 54.00 | 19.97 |
| 15600.00 | 46.32 | PK | V | 38.00 | 8.83 | 39.09 | 48.04 | 74.00 | 25.96 |
| 15600.00 | 32.48 | AV | V | 38.00 | 8.83 | 39.09 | 34.20 | 54.00 | 19.8 |
| 8995.00 | 45.72 | PK | V | 37.70 | 5.49 | 36.93 | 45.96 | 74.00 | 28.04 |
| 8995.00 | 31.63 | AV | V | 37.70 | 5.49 | 36.93 | 31.87 | 54.00 | 22.13 |
| 9352.00 | 45.46 | PK | V | 37.84 | 5.67 | 36.70 | 46.25 | 74.00 | 27.75 |
| 9352.00 | 31.53 | AV | V | 37.84 | 5.67 | 36.70 | 32.32 | 54.00 | 21.68 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 73.75 | PK | H | 33.68 | 3.52 | 0.00 | 104.93 | N/A | N/A |
| 5240.00 | 63.78 | AV | H | 33.68 | 3.52 | 0.00 | 94.96 | N/A | N/A |
| 5240.00 | 80.77 | PK | V | 33.68 | 3.52 | 0.00 | 111.95 | N/A | N/A |
| 5240.00 | 70.88 | AV | V | 33.68 | 3.52 | 0.00 | 102.06 | N/A | N/A |
| 5350.00 | 26.77 | PK | V | 33.86 | 3.52 | 0.00 | 58.13 | 74.00 | 15.87 |
| 5350.00 | 14.62 | AV | V | 33.86 | 3.52 | 0.00 | 45.98 | 54.00 | 8.02 |
| 10480.00 | 46.56 | PK | V | 38.20 | 6.37 | 36.88 | 48.23 | 74.00 | 25.77 |
| 10480.00 | 32.45 | AV | V | 38.20 | 6.37 | 36.88 | 34.12 | 54.00 | 19.88 |
| 15720.00 | 46.22 | PK | V | 37.88 | 8.79 | 39.18 | 47.69 | 74.00 | 26.31 |
| 15720.00 | 32.44 | AV | V | 37.88 | 8.79 | 39.18 | 33.91 | 54.00 | 20.09 |
| 9655.00 | 45.54 | PK | V | 37.96 | 5.84 | 36.66 | 46.66 | 74.00 | 27.34 |
| 9655.00 | 31.57 | AV | V | 37.96 | 5.84 | 36.66 | 32.69 | 54.00 | 21.31 |

802.11n ht20 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.14 | PK | H | 33.59 | 3.58 | 0.00 | 103.29 | N/A | N/A |
| 5180.00 | 62.57 | AV | H | 33.59 | 3.58 | 0.00 | 93.72 | N/A | N/A |
| 5180.00 | 79.79 | PK | V | 33.59 | 3.58 | 0.00 | 110.94 | N/A | N/A |
| 5180.00 | 69.67 | AV | V | 33.59 | 3.58 | 0.00 | 100.82 | N/A | N/A |
| 5150.00 | 25.89 | PK | V | 33.54 | 3.56 | 0.00 | 56.97 | 74.00 | 17.03 |
| 5150.00 | 14.22 | AV | V | 33.54 | 3.56 | 0.00 | 45.30 | 54.00 | 8.70 |
| 10360.00 | 46.91 | PK | V | 38.17 | 6.29 | 36.85 | 48.50 | 74.00 | 25.50 |
| 10360.00 | 32.41 | AV | V | 38.17 | 6.29 | 36.85 | 34.00 | 54.00 | 20.00 |
| 15540.00 | 46.58 | PK | V | 38.06 | 8.85 | 39.04 | 48.43 | 74.00 | 25.57 |
| 15540.00 | 32.54 | AV | V | 38.06 | 8.85 | 39.04 | 34.39 | 54.00 | 19.61 |
| 9355.00 | 45.83 | PK | V | 37.84 | 5.67 | 36.70 | 46.62 | 74.00 | 27.38 |
| 9355.00 | 31.57 | AV | V | 37.84 | 5.67 | 36.70 | 32.36 | 54.00 | 21.64 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 71.23 | PK | H | 33.62 | 3.60 | 0.00 | 102.43 | N/A | N/A |
| 5200.00 | 61.45 | AV | H | 33.62 | 3.60 | 0.00 | 92.65 | N/A | N/A |
| 5200.00 | 78.74 | PK | V | 33.62 | 3.60 | 0.00 | 109.94 | N/A | N/A |
| 5200.00 | 68.63 | AV | V | 33.62 | 3.60 | 0.00 | 99.83 | N/A | N/A |
| 10400.00 | 46.61 | PK | V | 38.18 | 6.32 | 36.86 | 48.23 | 74.00 | 25.77 |
| 10400.00 | 32.31 | AV | V | 38.18 | 6.32 | 36.86 | 33.93 | 54.00 | 20.07 |
| 15600.00 | 46.32 | PK | V | 38.00 | 8.83 | 39.09 | 48.04 | 74.00 | 25.96 |
| 15600.00 | 32.58 | AV | V | 38.00 | 8.83 | 39.09 | 34.30 | 54.00 | 19.7 |
| 8995.00 | 45.47 | PK | V | 37.70 | 5.49 | 36.93 | 45.71 | 74.00 | 28.29 |
| 8995.00 | 31.58 | AV | V | 37.70 | 5.49 | 36.93 | 31.82 | 54.00 | 22.18 |
| 9352.00 | 45.52 | PK | V | 37.84 | 5.67 | 36.70 | 46.31 | 74.00 | 27.69 |
| 9352.00 | 31.63 | AV | V | 37.84 | 5.67 | 36.70 | 32.42 | 54.00 | 21.58 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 71.73 | PK | H | 33.68 | 3.52 | 0.00 | 102.91 | N/A | N/A |
| 5240.00 | 61.81 | AV | H | 33.68 | 3.52 | 0.00 | 92.99 | N/A | N/A |
| 5240.00 | 78.73 | PK | V | 33.68 | 3.52 | 0.00 | 109.91 | N/A | N/A |
| 5240.00 | 68.18 | AV | V | 33.68 | 3.52 | 0.00 | 99.36 | N/A | N/A |
| 5350.00 | 26.34 | PK | V | 33.86 | 3.52 | 0.00 | 57.70 | 74.00 | 16.30 |
| 5350.00 | 15.11 | AV | V | 33.86 | 3.52 | 0.00 | 46.47 | 54.00 | 7.53 |
| 10480.00 | 46.93 | PK | V | 38.20 | 6.37 | 36.88 | 48.60 | 74.00 | 25.40 |
| 10480.00 | 32.39 | AV | V | 38.20 | 6.37 | 36.88 | 34.06 | 54.00 | 19.94 |
| 15720.00 | 46.41 | PK | V | 37.88 | 8.79 | 39.18 | 47.88 | 74.00 | 26.12 |
| 15720.00 | 32.18 | AV | V | 37.88 | 8.79 | 39.18 | 33.65 | 54.00 | 20.35 |
| 9655.00 | 45.87 | PK | V | 37.96 | 5.84 | 36.66 | 46.99 | 74.00 | 27.01 |
| 9655.00 | 31.67 | AV | V | 37.96 | 5.84 | 36.66 | 32.79 | 54.00 | 21.21 |

802.11 ac20 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.12 | PK | H | 33.59 | 3.58 | 0.00 | 103.27 | N/A | N/A |
| 5180.00 | 62.51 | AV | H | 33.59 | 3.58 | 0.00 | 93.66 | N/A | N/A |
| 5180.00 | 80.57 | PK | V | 33.59 | 3.58 | 0.00 | 111.72 | N/A | N/A |
| 5180.00 | 70.84 | AV | V | 33.59 | 3.58 | 0.00 | 101.99 | N/A | N/A |
| 5150.00 | 26.09 | PK | V | 33.54 | 3.56 | 0.00 | 57.17 | 74.00 | 16.83 |
| 5150.00 | 14.35 | AV | V | 33.54 | 3.56 | 0.00 | 45.43 | 54.00 | 8.57 |
| 10360.00 | 47.04 | PK | V | 38.17 | 6.29 | 36.85 | 48.63 | 74.00 | 25.37 |
| 10360.00 | 32.49 | AV | V | 38.17 | 6.29 | 36.85 | 34.08 | 54.00 | 19.92 |
| 15540.00 | 46.48 | PK | V | 38.06 | 8.85 | 39.04 | 48.33 | 74.00 | 25.67 |
| 15540.00 | 32.35 | AV | V | 38.06 | 8.85 | 39.04 | 34.20 | 54.00 | 19.80 |
| 9355.00 | 45.63 | PK | V | 37.84 | 5.67 | 36.70 | 46.42 | 74.00 | 27.58 |
| 9355.00 | 31.55 | AV | V | 37.84 | 5.67 | 36.70 | 32.34 | 54.00 | 21.66 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 71.34 | PK | H | 33.62 | 3.60 | 0.00 | 102.54 | N/A | N/A |
| 5200.00 | 61.48 | AV | H | 33.62 | 3.60 | 0.00 | 92.68 | N/A | N/A |
| 5200.00 | 79.77 | PK | V | 33.62 | 3.60 | 0.00 | 110.97 | N/A | N/A |
| 5200.00 | 69.62 | AV | V | 33.62 | 3.60 | 0.00 | 100.82 | N/A | N/A |
| 10400.00 | 46.62 | PK | V | 38.18 | 6.32 | 36.86 | 48.24 | 74.00 | 25.76 |
| 10400.00 | 32.46 | AV | V | 38.18 | 6.32 | 36.86 | 34.08 | 54.00 | 19.92 |
| 15600.00 | 46.44 | PK | V | 38.00 | 8.83 | 39.09 | 48.16 | 74.00 | 25.84 |
| 15600.00 | 32.53 | AV | V | 38.00 | 8.83 | 39.09 | 34.25 | 54.00 | 19.75 |
| 8995.00 | 45.62 | PK | V | 37.70 | 5.49 | 36.93 | 45.86 | 74.00 | 28.14 |
| 8995.00 | 31.41 | AV | V | 37.70 | 5.49 | 36.93 | 31.65 | 54.00 | 22.35 |
| 9352.00 | 45.64 | PK | V | 37.84 | 5.67 | 36.70 | 46.43 | 74.00 | 27.57 |
| 9352.00 | 31.64 | AV | V | 37.84 | 5.67 | 36.70 | 32.43 | 54.00 | 21.57 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 71.78 | PK | H | 33.68 | 3.52 | 0.00 | 102.96 | N/A | N/A |
| 5240.00 | 61.87 | AV | H | 33.68 | 3.52 | 0.00 | 93.05 | N/A | N/A |
| 5240.00 | 79.76 | PK | V | 33.68 | 3.52 | 0.00 | 110.94 | N/A | N/A |
| 5240.00 | 69.21 | AV | V | 33.68 | 3.52 | 0.00 | 100.39 | N/A | N/A |
| 5350.00 | 26.48 | PK | V | 33.86 | 3.52 | 0.00 | 57.84 | 74.00 | 16.16 |
| 5350.00 | 15.31 | AV | V | 33.86 | 3.52 | 0.00 | 46.67 | 54.00 | 7.33 |
| 10480.00 | 46.94 | PK | V | 38.20 | 6.37 | 36.88 | 48.61 | 74.00 | 25.39 |
| 10480.00 | 32.51 | AV | V | 38.20 | 6.37 | 36.88 | 34.18 | 54.00 | 19.82 |
| 15720.00 | 46.22 | PK | V | 37.88 | 8.79 | 39.18 | 47.69 | 74.00 | 26.31 |
| 15720.00 | 31.98 | AV | V | 37.88 | 8.79 | 39.18 | 33.45 | 54.00 | 20.55 |
| 9655.00 | 45.81 | PK | V | 37.96 | 5.84 | 36.66 | 46.93 | 74.00 | 27.07 |
| 9655.00 | 31.79 | AV | V | 37.96 | 5.84 | 36.66 | 32.91 | 54.00 | 21.09 |

802.11 n ht40 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 69.95 | PK | H | 33.60 | 3.59 | 0.00 | 101.12 | N/A | N/A |
| 5190.00 | 59.84 | AV | H | 33.60 | 3.59 | 0.00 | 91.01 | N/A | N/A |
| 5190.00 | 77.48 | PK | V | 33.60 | 3.59 | 0.00 | 108.65 | N/A | N/A |
| 5190.00 | 67.76 | AV | V | 33.60 | 3.59 | 0.00 | 98.93 | N/A | N/A |
| 5150.00 | 29.73 | PK | V | 33.54 | 3.56 | 0.00 | 60.81 | 74.00 | 13.19 |
| 5150.00 | 16.35 | AV | V | 33.54 | 3.56 | 0.00 | 47.43 | 54.00 | 6.57 |
| 10380.00 | 46.53 | PK | V | 38.18 | 6.31 | 36.85 | 48.15 | 74.00 | 25.85 |
| 10380.00 | 32.81 | AV | V | 38.18 | 6.31 | 36.85 | 34.43 | 54.00 | 19.57 |
| 15570.00 | 45.91 | PK | V | 38.03 | 8.84 | 39.06 | 47.70 | 74.00 | 26.30 |
| 15570.00 | 31.67 | AV | V | 38.03 | 8.84 | 39.06 | 33.46 | 54.00 | 20.54 |
| 9355.00 | 45.32 | PK | V | 37.84 | 5.67 | 36.70 | 46.11 | 74.00 | 27.89 |
| 9355.00 | 31.67 | AV | V | 37.84 | 5.67 | 36.70 | 32.46 | 54.00 | 21.54 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 70.26 | PK | H | 33.67 | 3.54 | 0.00 | 101.45 | N/A | N/A |
| 5230.00 | 60.54 | AV | H | 33.67 | 3.54 | 0.00 | 91.73 | N/A | N/A |
| 5230.00 | 77.23 | PK | V | 33.67 | 3.54 | 0.00 | 108.42 | N/A | N/A |
| 5230.00 | 67.62 | AV | V | 33.67 | 3.54 | 0.00 | 98.81 | N/A | N/A |
| 5350.00 | 26.39 | PK | V | 33.86 | 3.52 | 0.00 | 57.75 | 74.00 | 16.25 |
| 5350.00 | 14.42 | AV | V | 33.86 | 3.52 | 0.00 | 45.78 | 54.00 | 8.22 |
| 10460.00 | 46.89 | PK | V | 38.19 | 6.36 | 36.87 | 48.55 | 74.00 | 25.45 |
| 10460.00 | 32.34 | AV | V | 38.19 | 6.36 | 36.87 | 34.00 | 54.00 | 20.00 |
| 15690.00 | 45.93 | PK | V | 37.91 | 8.80 | 39.15 | 47.47 | 74.00 | 26.53 |
| 15690.00 | 31.61 | AV | V | 37.91 | 8.80 | 39.15 | 33.15 | 54.00 | 20.85 |
| 9655.00 | 45.27 | PK | V | 37.96 | 5.84 | 36.66 | 46.39 | 74.00 | 27.61 |
| 9655.00 | 31.74 | AV | V | 37.96 | 5.84 | 36.66 | 32.86 | 54.00 | 21.14 |

802.11 ac40 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 70.03 | PK | H | 33.60 | 3.59 | 0.00 | 101.20 | N/A | N/A |
| 5190.00 | 60.01 | AV | H | 33.60 | 3.59 | 0.00 | 91.18 | N/A | N/A |
| 5190.00 | 77.55 | PK | V | 33.60 | 3.59 | 0.00 | 108.72 | N/A | N/A |
| 5190.00 | 67.67 | AV | V | 33.60 | 3.59 | 0.00 | 98.84 | N/A | N/A |
| 5150.00 | 29.61 | PK | V | 33.54 | 3.56 | 0.00 | 60.69 | 74.00 | 13.31 |
| 5150.00 | 16.50 | AV | V | 33.54 | 3.56 | 0.00 | 47.58 | 54.00 | 6.42 |
| 10380.00 | 46.73 | PK | V | 38.18 | 6.31 | 36.85 | 48.35 | 74.00 | 25.65 |
| 10380.00 | 32.66 | AV | V | 38.18 | 6.31 | 36.85 | 34.28 | 54.00 | 19.72 |
| 15570.00 | 46.07 | PK | V | 38.03 | 8.84 | 39.06 | 47.86 | 74.00 | 26.14 |
| 15570.00 | 31.47 | AV | V | 38.03 | 8.84 | 39.06 | 33.26 | 54.00 | 20.74 |
| 9355.00 | 45.44 | PK | V | 37.84 | 5.67 | 36.70 | 46.23 | 74.00 | 27.77 |
| 9355.00 | 31.83 | AV | V | 37.84 | 5.67 | 36.70 | 32.62 | 54.00 | 21.38 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 70.29 | PK | H | 33.67 | 3.54 | 0.00 | 101.48 | N/A | N/A |
| 5230.00 | 60.64 | AV | H | 33.67 | 3.54 | 0.00 | 91.83 | N/A | N/A |
| 5230.00 | 77.07 | PK | V | 33.67 | 3.54 | 0.00 | 108.26 | N/A | N/A |
| 5230.00 | 67.73 | AV | V | 33.67 | 3.54 | 0.00 | 98.92 | N/A | N/A |
| 5350.00 | 26.41 | PK | V | 33.86 | 3.52 | 0.00 | 57.77 | 74.00 | 16.23 |
| 5350.00 | 14.53 | AV | V | 33.86 | 3.52 | 0.00 | 45.89 | 54.00 | 8.11 |
| 10460.00 | 46.96 | PK | V | 38.19 | 6.36 | 36.87 | 48.62 | 74.00 | 25.38 |
| 10460.00 | 32.27 | AV | V | 38.19 | 6.36 | 36.87 | 33.93 | 54.00 | 20.07 |
| 15690.00 | 46.08 | PK | V | 37.91 | 8.80 | 39.15 | 47.62 | 74.00 | 26.38 |
| 15690.00 | 31.42 | AV | V | 37.91 | 8.80 | 39.15 | 32.96 | 54.00 | 21.04 |
| 9655.00 | 45.21 | PK | V | 37.96 | 5.84 | 36.66 | 46.33 | 74.00 | 27.67 |
| 9655.00 | 31.68 | AV | V | 37.96 | 5.84 | 36.66 | 32.80 | 54.00 | 21.20 |

802.11 ac80 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 66.72 | PK | H | 33.64 | 3.58 | 0.00 | 97.92 | N/A | N/A |
| 5210.00 | 56.87 | AV | H | 33.64 | 3.58 | 0.00 | 88.07 | N/A | N/A |
| 5210.00 | 74.03 | PK | V | 33.64 | 3.58 | 0.00 | 105.23 | N/A | N/A |
| 5210.00 | 63.77 | AV | V | 33.64 | 3.58 | 0.00 | 94.97 | N/A | N/A |
| 5150.00 | 34.98 | PK | V | 33.54 | 3.56 | 0.00 | 66.06 | 74.00 | 7.94 |
| 5150.00 | 18.84 | AV | V | 33.54 | 3.56 | 0.00 | 49.92 | 54.00 | 4.08 |
| 5350.00 | 33.75 | PK | V | 33.86 | 3.52 | 0.00 | 65.11 | 74.00 | 8.89 |
| 5350.00 | 16.94 | AV | V | 33.86 | 3.52 | 0.00 | 48.30 | 54.00 | 5.70 |
| 10420.00 | 47.71 | PK | V | 38.18 | 6.33 | 36.86 | 49.34 | 74.00 | 24.66 |
| 10420.00 | 32.86 | AV | V | 38.18 | 6.33 | 36.86 | 34.49 | 54.00 | 19.51 |
| 15630.00 | 46.58 | PK | V | 37.97 | 8.82 | 39.11 | 48.24 | 74.00 | 25.76 |
| 15630.00 | 32.47 | AV | V | 37.97 | 8.82 | 39.11 | 34.13 | 54.00 | 19.87 |
| 9685.00 | 45.78 | PK | V | 37.97 | 5.86 | 36.67 | 46.92 | 74.00 | 27.08 |
| 9685.00 | 31.81 | AV | V | 37.97 | 5.86 | 36.67 | 32.95 | 54.00 | 21.05 |

**Radio 1, 5150-5250MHz, Non-beamforming 4TX**

802.11a Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 73.65 | PK | H | 33.59 | 3.58 | 0.00 | 104.80 | N/A | N/A |
| 5180.00 | 63.88 | AV | H | 33.59 | 3.58 | 0.00 | 95.03 | N/A | N/A |
| 5180.00 | 83.15 | PK | V | 33.59 | 3.58 | 0.00 | 114.30 | N/A | N/A |
| 5180.00 | 73.67 | AV | V | 33.59 | 3.58 | 0.00 | 104.82 | N/A | N/A |
| 5150.00 | 27.58 | PK | V | 33.54 | 3.56 | 0.00 | 58.66 | 74.00 | 15.34 |
| 5150.00 | 15.26 | AV | V | 33.54 | 3.56 | 0.00 | 46.34 | 54.00 | 7.66 |
| 10360.00 | 46.75 | PK | V | 38.17 | 6.29 | 36.85 | 48.34 | 74.00 | 25.66 |
| 10360.00 | 32.43 | AV | V | 38.17 | 6.29 | 36.85 | 34.02 | 54.00 | 19.98 |
| 15540.00 | 46.52 | PK | V | 38.06 | 8.85 | 39.04 | 48.37 | 74.00 | 25.63 |
| 15540.00 | 32.37 | AV | V | 38.06 | 8.85 | 39.04 | 34.22 | 54.00 | 19.78 |
| 9355.00 | 45.63 | PK | V | 37.84 | 5.67 | 36.70 | 46.42 | 74.00 | 27.58 |
| 9355.00 | 31.76 | AV | V | 37.84 | 5.67 | 36.70 | 32.55 | 54.00 | 21.45 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 73.49 | PK | H | 33.62 | 3.60 | 0.00 | 104.69 | N/A | N/A |
| 5200.00 | 63.57 | AV | H | 33.62 | 3.60 | 0.00 | 94.77 | N/A | N/A |
| 5200.00 | 83.28 | PK | V | 33.62 | 3.60 | 0.00 | 114.48 | N/A | N/A |
| 5200.00 | 73.75 | AV | V | 33.62 | 3.60 | 0.00 | 104.95 | N/A | N/A |
| 10400.00 | 46.84 | PK | V | 38.18 | 6.32 | 36.86 | 48.46 | 74.00 | 25.54 |
| 10400.00 | 32.29 | AV | V | 38.18 | 6.32 | 36.86 | 33.91 | 54.00 | 20.09 |
| 15600.00 | 46.46 | PK | V | 38.00 | 8.83 | 39.09 | 48.18 | 74.00 | 25.82 |
| 15600.00 | 32.45 | AV | V | 38.00 | 8.83 | 39.09 | 34.17 | 54.00 | 19.83 |
| 8995.00 | 45.78 | PK | V | 37.70 | 5.49 | 36.93 | 46.02 | 74.00 | 27.98 |
| 8995.00 | 31.82 | AV | V | 37.70 | 5.49 | 36.93 | 32.06 | 54.00 | 21.94 |
| 9352.00 | 45.55 | PK | V | 37.84 | 5.67 | 36.70 | 46.34 | 74.00 | 27.66 |
| 9352.00 | 31.72 | AV | V | 37.84 | 5.67 | 36.70 | 32.51 | 54.00 | 21.49 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 73.62 | PK | H | 33.68 | 3.52 | 0.00 | 104.80 | N/A | N/A |
| 5240.00 | 63.75 | AV | H | 33.68 | 3.52 | 0.00 | 94.93 | N/A | N/A |
| 5240.00 | 83.67 | PK | V | 33.68 | 3.52 | 0.00 | 114.85 | N/A | N/A |
| 5240.00 | 73.84 | AV | V | 33.68 | 3.52 | 0.00 | 105.02 | N/A | N/A |
| 5350.00 | 26.57 | PK | V | 33.86 | 3.52 | 0.00 | 57.93 | 74.00 | 16.07 |
| 5350.00 | 14.82 | AV | V | 33.86 | 3.52 | 0.00 | 46.18 | 54.00 | 7.82 |
| 10480.00 | 46.62 | PK | V | 38.20 | 6.37 | 36.88 | 48.29 | 74.00 | 25.71 |
| 10480.00 | 32.44 | AV | V | 38.20 | 6.37 | 36.88 | 34.11 | 54.00 | 19.89 |
| 15720.00 | 46.36 | PK | V | 37.88 | 8.79 | 39.18 | 47.83 | 74.00 | 26.17 |
| 15720.00 | 32.29 | AV | V | 37.88 | 8.79 | 39.18 | 33.76 | 54.00 | 20.24 |
| 9655.00 | 45.71 | PK | V | 37.96 | 5.84 | 36.66 | 46.83 | 74.00 | 27.17 |
| 9655.00 | 31.74 | AV | V | 37.96 | 5.84 | 36.66 | 32.86 | 54.00 | 21.14 |

802.11n ht20 Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 75.26 | PK | H | 33.59 | 3.58 | 0.00 | 106.41 | N/A | N/A |
| 5180.00 | 65.42 | AV | H | 33.59 | 3.58 | 0.00 | 96.57 | N/A | N/A |
| 5180.00 | 83.67 | PK | V | 33.59 | 3.58 | 0.00 | 114.82 | N/A | N/A |
| 5180.00 | 73.76 | AV | V | 33.59 | 3.58 | 0.00 | 104.91 | N/A | N/A |
| 5150.00 | 27.93 | PK | V | 33.54 | 3.56 | 0.00 | 59.01 | 74.00 | 14.99 |
| 5150.00 | 15.38 | AV | V | 33.54 | 3.56 | 0.00 | 46.46 | 54.00 | 7.54 |
| 10360.00 | 46.88 | PK | V | 38.17 | 6.29 | 36.85 | 48.47 | 74.00 | 25.53 |
| 10360.00 | 32.59 | AV | V | 38.17 | 6.29 | 36.85 | 34.18 | 54.00 | 19.82 |
| 15540.00 | 46.55 | PK | V | 38.06 | 8.85 | 39.04 | 48.40 | 74.00 | 25.60 |
| 15540.00 | 32.43 | AV | V | 38.06 | 8.85 | 39.04 | 34.28 | 54.00 | 19.72 |
| 9355.00 | 45.74 | PK | V | 37.84 | 5.67 | 36.70 | 46.53 | 74.00 | 27.47 |
| 9355.00 | 31.75 | AV | V | 37.84 | 5.67 | 36.70 | 32.54 | 54.00 | 21.46 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 75.33 | PK | H | 33.62 | 3.60 | 0.00 | 106.53 | N/A | N/A |
| 5200.00 | 65.54 | AV | H | 33.62 | 3.60 | 0.00 | 96.74 | N/A | N/A |
| 5200.00 | 83.59 | PK | V | 33.62 | 3.60 | 0.00 | 114.79 | N/A | N/A |
| 5200.00 | 73.66 | AV | V | 33.62 | 3.60 | 0.00 | 104.86 | N/A | N/A |
| 10400.00 | 46.55 | PK | V | 38.18 | 6.32 | 36.86 | 48.17 | 74.00 | 25.83 |
| 10400.00 | 32.29 | AV | V | 38.18 | 6.32 | 36.86 | 33.91 | 54.00 | 20.09 |
| 15600.00 | 46.16 | PK | V | 38.00 | 8.83 | 39.09 | 47.88 | 74.00 | 26.12 |
| 15600.00 | 32.48 | AV | V | 38.00 | 8.83 | 39.09 | 34.20 | 54.00 | 19.8 |
| 8995.00 | 45.59 | PK | V | 37.70 | 5.49 | 36.93 | 45.83 | 74.00 | 28.17 |
| 8995.00 | 31.75 | AV | V | 37.70 | 5.49 | 36.93 | 31.99 | 54.00 | 22.01 |
| 9352.00 | 45.64 | PK | V | 37.84 | 5.67 | 36.70 | 46.43 | 74.00 | 27.57 |
| 9352.00 | 31.48 | AV | V | 37.84 | 5.67 | 36.70 | 32.27 | 54.00 | 21.73 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 75.67 | PK | H | 33.68 | 3.52 | 0.00 | 106.85 | N/A | N/A |
| 5240.00 | 65.76 | AV | H | 33.68 | 3.52 | 0.00 | 96.94 | N/A | N/A |
| 5240.00 | 82.85 | PK | V | 33.68 | 3.52 | 0.00 | 114.03 | N/A | N/A |
| 5240.00 | 73.14 | AV | V | 33.68 | 3.52 | 0.00 | 104.32 | N/A | N/A |
| 5350.00 | 26.52 | PK | V | 33.86 | 3.52 | 0.00 | 57.88 | 74.00 | 16.12 |
| 5350.00 | 14.67 | AV | V | 33.86 | 3.52 | 0.00 | 46.03 | 54.00 | 7.97 |
| 10480.00 | 46.86 | PK | V | 38.20 | 6.37 | 36.88 | 48.53 | 74.00 | 25.47 |
| 10480.00 | 32.49 | AV | V | 38.20 | 6.37 | 36.88 | 34.16 | 54.00 | 19.84 |
| 15720.00 | 46.36 | PK | V | 37.88 | 8.79 | 39.18 | 47.83 | 74.00 | 26.17 |
| 15720.00 | 32.24 | AV | V | 37.88 | 8.79 | 39.18 | 33.71 | 54.00 | 20.29 |
| 9655.00 | 45.77 | PK | V | 37.96 | 5.84 | 36.66 | 46.89 | 74.00 | 27.11 |
| 9655.00 | 31.86 | AV | V | 37.96 | 5.84 | 36.66 | 32.98 | 54.00 | 21.02 |

802.11 ac20 Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 75.87 | PK | H | 33.59 | 3.58 | 0.00 | 107.02 | N/A | N/A |
| 5180.00 | 65.73 | AV | H | 33.59 | 3.58 | 0.00 | 96.88 | N/A | N/A |
| 5180.00 | 83.37 | PK | V | 33.59 | 3.58 | 0.00 | 114.52 | N/A | N/A |
| 5180.00 | 73.56 | AV | V | 33.59 | 3.58 | 0.00 | 104.71 | N/A | N/A |
| 5150.00 | 26.79 | PK | V | 33.54 | 3.56 | 0.00 | 57.87 | 74.00 | 16.13 |
| 5150.00 | 14.64 | AV | V | 33.54 | 3.56 | 0.00 | 45.72 | 54.00 | 8.28 |
| 10360.00 | 46.52 | PK | V | 38.17 | 6.29 | 36.85 | 48.11 | 74.00 | 25.89 |
| 10360.00 | 32.67 | AV | V | 38.17 | 6.29 | 36.85 | 34.26 | 54.00 | 19.74 |
| 15540.00 | 45.78 | PK | V | 38.06 | 8.85 | 39.04 | 47.63 | 74.00 | 26.37 |
| 15540.00 | 31.71 | AV | V | 38.06 | 8.85 | 39.04 | 33.56 | 54.00 | 20.44 |
| 9355.00 | 45.32 | PK | V | 37.84 | 5.67 | 36.70 | 46.11 | 74.00 | 27.89 |
| 9355.00 | 31.65 | AV | V | 37.84 | 5.67 | 36.70 | 32.44 | 54.00 | 21.56 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 75.13 | PK | H | 33.62 | 3.60 | 0.00 | 106.33 | N/A | N/A |
| 5200.00 | 65.46 | AV | H | 33.62 | 3.60 | 0.00 | 96.66 | N/A | N/A |
| 5200.00 | 83.86 | PK | V | 33.62 | 3.60 | 0.00 | 115.06 | N/A | N/A |
| 5200.00 | 73.89 | AV | V | 33.62 | 3.60 | 0.00 | 105.09 | N/A | N/A |
| 10400.00 | 47.35 | PK | V | 38.18 | 6.32 | 36.86 | 48.97 | 74.00 | 25.03 |
| 10400.00 | 32.68 | AV | V | 38.18 | 6.32 | 36.86 | 34.30 | 54.00 | 19.7 |
| 15600.00 | 46.89 | PK | V | 38.00 | 8.83 | 39.09 | 48.61 | 74.00 | 25.39 |
| 15600.00 | 32.53 | AV | V | 38.00 | 8.83 | 39.09 | 34.25 | 54.00 | 19.75 |
| 8995.00 | 46.42 | PK | V | 37.70 | 5.49 | 36.93 | 46.66 | 74.00 | 27.34 |
| 8995.00 | 32.34 | AV | V | 37.70 | 5.49 | 36.93 | 32.58 | 54.00 | 21.42 |
| 9352.00 | 45.93 | PK | V | 37.84 | 5.67 | 36.70 | 46.72 | 74.00 | 27.28 |
| 9352.00 | 31.82 | AV | V | 37.84 | 5.67 | 36.70 | 32.61 | 54.00 | 21.39 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 75.21 | PK | H | 33.68 | 3.52 | 0.00 | 106.39 | N/A | N/A |
| 5240.00 | 65.41 | AV | H | 33.68 | 3.52 | 0.00 | 96.59 | N/A | N/A |
| 5240.00 | 83.49 | PK | V | 33.68 | 3.52 | 0.00 | 114.67 | N/A | N/A |
| 5240.00 | 73.81 | AV | V | 33.68 | 3.52 | 0.00 | 104.99 | N/A | N/A |
| 5350.00 | 28.08 | PK | V | 33.86 | 3.52 | 0.00 | 59.44 | 74.00 | 14.56 |
| 5350.00 | 15.49 | AV | V | 33.86 | 3.52 | 0.00 | 46.85 | 54.00 | 7.15 |
| 10480.00 | 46.82 | PK | V | 38.20 | 6.37 | 36.88 | 48.49 | 74.00 | 25.51 |
| 10480.00 | 32.49 | AV | V | 38.20 | 6.37 | 36.88 | 34.16 | 54.00 | 19.84 |
| 15720.00 | 46.74 | PK | V | 37.88 | 8.79 | 39.18 | 48.21 | 74.00 | 25.79 |
| 15720.00 | 32.56 | AV | V | 37.88 | 8.79 | 39.18 | 34.03 | 54.00 | 19.97 |
| 9655.00 | 45.73 | PK | V | 37.96 | 5.84 | 36.66 | 46.85 | 74.00 | 27.15 |
| 9655.00 | 31.66 | AV | V | 37.96 | 5.84 | 36.66 | 32.78 | 54.00 | 21.22 |

802.11 n ht40 Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 72.65 | PK | H | 33.60 | 3.59 | 0.00 | 103.82 | N/A | N/A |
| 5190.00 | 62.49 | AV | H | 33.60 | 3.59 | 0.00 | 93.66 | N/A | N/A |
| 5190.00 | 82.16 | PK | V | 33.60 | 3.59 | 0.00 | 113.33 | N/A | N/A |
| 5190.00 | 72.08 | AV | V | 33.60 | 3.59 | 0.00 | 103.25 | N/A | N/A |
| 5150.00 | 30.52 | PK | V | 33.54 | 3.56 | 0.00 | 61.60 | 74.00 | 12.40 |
| 5150.00 | 16.37 | AV | V | 33.54 | 3.56 | 0.00 | 47.45 | 54.00 | 6.55 |
| 10380.00 | 46.71 | PK | V | 38.18 | 6.31 | 36.85 | 48.33 | 74.00 | 25.67 |
| 10380.00 | 32.71 | AV | V | 38.18 | 6.31 | 36.85 | 34.33 | 54.00 | 19.67 |
| 15570.00 | 45.89 | PK | V | 38.03 | 8.84 | 39.06 | 47.68 | 74.00 | 26.32 |
| 15570.00 | 31.66 | AV | V | 38.03 | 8.84 | 39.06 | 33.45 | 54.00 | 20.55 |
| 9355.00 | 45.13 | PK | V | 37.84 | 5.67 | 36.70 | 45.92 | 74.00 | 28.08 |
| 9355.00 | 31.48 | AV | V | 37.84 | 5.67 | 36.70 | 32.27 | 54.00 | 21.73 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 71.68 | PK | H | 33.67 | 3.54 | 0.00 | 102.87 | N/A | N/A |
| 5230.00 | 61.54 | AV | H | 33.67 | 3.54 | 0.00 | 92.73 | N/A | N/A |
| 5230.00 | 81.53 | PK | V | 33.67 | 3.54 | 0.00 | 112.72 | N/A | N/A |
| 5230.00 | 71.62 | AV | V | 33.67 | 3.54 | 0.00 | 102.81 | N/A | N/A |
| 5350.00 | 26.39 | PK | V | 33.86 | 3.52 | 0.00 | 57.75 | 74.00 | 16.25 |
| 5350.00 | 14.52 | AV | V | 33.86 | 3.52 | 0.00 | 45.88 | 54.00 | 8.12 |
| 10460.00 | 46.71 | PK | V | 38.19 | 6.36 | 36.87 | 48.37 | 74.00 | 25.63 |
| 10460.00 | 32.53 | AV | V | 38.19 | 6.36 | 36.87 | 34.19 | 54.00 | 19.81 |
| 15690.00 | 45.86 | PK | V | 37.91 | 8.80 | 39.15 | 47.40 | 74.00 | 26.60 |
| 15690.00 | 31.65 | AV | V | 37.91 | 8.80 | 39.15 | 33.19 | 54.00 | 20.81 |
| 9655.00 | 45.37 | PK | V | 37.96 | 5.84 | 36.66 | 46.49 | 74.00 | 27.51 |
| 9655.00 | 31.85 | AV | V | 37.96 | 5.84 | 36.66 | 32.97 | 54.00 | 21.03 |

802.11 ac40 Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 72.59 | PK | H | 33.60 | 3.59 | 0.00 | 103.76 | N/A | N/A |
| 5190.00 | 62.66 | AV | H | 33.60 | 3.59 | 0.00 | 93.83 | N/A | N/A |
| 5190.00 | 80.93 | PK | V | 33.60 | 3.59 | 0.00 | 112.10 | N/A | N/A |
| 5190.00 | 71.08 | AV | V | 33.60 | 3.59 | 0.00 | 102.25 | N/A | N/A |
| 5150.00 | 30.46 | PK | V | 33.54 | 3.56 | 0.00 | 61.54 | 74.00 | 12.46 |
| 5150.00 | 16.54 | AV | V | 33.54 | 3.56 | 0.00 | 47.62 | 54.00 | 6.38 |
| 10380.00 | 46.76 | PK | V | 38.18 | 6.31 | 36.85 | 48.38 | 74.00 | 25.62 |
| 10380.00 | 32.92 | AV | V | 38.18 | 6.31 | 36.85 | 34.54 | 54.00 | 19.46 |
| 15570.00 | 45.76 | PK | V | 38.03 | 8.84 | 39.06 | 47.55 | 74.00 | 26.45 |
| 15570.00 | 31.95 | AV | V | 38.03 | 8.84 | 39.06 | 33.74 | 54.00 | 20.26 |
| 9355.00 | 45.31 | PK | V | 37.84 | 5.67 | 36.70 | 46.10 | 74.00 | 27.90 |
| 9355.00 | 31.47 | AV | V | 37.84 | 5.67 | 36.70 | 32.26 | 54.00 | 21.74 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 72.65 | PK | H | 33.67 | 3.54 | 0.00 | 103.84 | N/A | N/A |
| 5230.00 | 62.76 | AV | H | 33.67 | 3.54 | 0.00 | 93.95 | N/A | N/A |
| 5230.00 | 80.78 | PK | V | 33.67 | 3.54 | 0.00 | 111.97 | N/A | N/A |
| 5230.00 | 70.57 | AV | V | 33.67 | 3.54 | 0.00 | 101.76 | N/A | N/A |
| 5350.00 | 26.62 | PK | V | 33.86 | 3.52 | 0.00 | 57.98 | 74.00 | 16.02 |
| 5350.00 | 14.57 | AV | V | 33.86 | 3.52 | 0.00 | 45.93 | 54.00 | 8.07 |
| 10460.00 | 46.87 | PK | V | 38.19 | 6.36 | 36.87 | 48.53 | 74.00 | 25.47 |
| 10460.00 | 32.33 | AV | V | 38.19 | 6.36 | 36.87 | 33.99 | 54.00 | 20.01 |
| 15690.00 | 45.91 | PK | V | 37.91 | 8.80 | 39.15 | 47.45 | 74.00 | 26.55 |
| 15690.00 | 31.87 | AV | V | 37.91 | 8.80 | 39.15 | 33.41 | 54.00 | 20.59 |
| 9655.00 | 45.08 | PK | V | 37.96 | 5.84 | 36.66 | 46.20 | 74.00 | 27.80 |
| 9655.00 | 31.58 | AV | V | 37.96 | 5.84 | 36.66 | 32.70 | 54.00 | 21.30 |

802.11 ac80 Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 69.53 | PK | H | 33.64 | 3.58 | 0.00 | 100.73 | N/A | N/A |
| 5210.00 | 59.68 | AV | H | 33.64 | 3.58 | 0.00 | 90.88 | N/A | N/A |
| 5210.00 | 76.59 | PK | V | 33.64 | 3.58 | 0.00 | 107.79 | N/A | N/A |
| 5210.00 | 66.48 | AV | V | 33.64 | 3.58 | 0.00 | 97.68 | N/A | N/A |
| 5150.00 | 35.62 | PK | V | 33.54 | 3.56 | 0.00 | 66.70 | 74.00 | 7.30 |
| 5150.00 | 20.68 | AV | V | 33.54 | 3.56 | 0.00 | 51.76 | 54.00 | 2.24 |
| 5350.00 | 37.56 | PK | V | 33.86 | 3.52 | 0.00 | 68.92 | 74.00 | 5.08 |
| 5350.00 | 16.75 | AV | V | 33.86 | 3.52 | 0.00 | 48.11 | 54.00 | 5.89 |
| 10420.00 | 47.52 | PK | V | 38.18 | 6.33 | 36.86 | 49.15 | 74.00 | 24.85 |
| 10420.00 | 32.67 | AV | V | 38.18 | 6.33 | 36.86 | 34.30 | 54.00 | 19.70 |
| 15630.00 | 46.39 | PK | V | 37.97 | 8.82 | 39.11 | 48.05 | 74.00 | 25.95 |
| 15630.00 | 32.28 | AV | V | 37.97 | 8.82 | 39.11 | 33.94 | 54.00 | 20.06 |
| 9685.00 | 45.59 | PK | V | 37.97 | 5.86 | 36.67 | 46.73 | 74.00 | 27.27 |
| 9685.00 | 31.62 | AV | V | 37.97 | 5.86 | 36.67 | 32.76 | 54.00 | 21.24 |

**Radio 1, 5150-5250MHz, Beamforming 2TX**

802.11b Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.56 | PK | V | 33.59 | 3.58 | 0.00 | 103.71 | N/A | N/A |
| 5180.00 | 62.66 | AV | V | 33.59 | 3.58 | 0.00 | 93.81 | N/A | N/A |
| 5180.00 | 62.44 | PK | H | 33.59 | 3.58 | 0.00 | 93.59 | N/A | N/A |
| 5180.00 | 52.55 | AV | H | 33.59 | 3.58 | 0.00 | 83.70 | N/A | N/A |
| 5150.00 | 26.74 | PK | V | 33.54 | 3.56 | 0.00 | 57.82 | 74.00 | 16.18 |
| 5150.00 | 14.62 | AV | V | 33.54 | 3.56 | 0.00 | 45.70 | 54.00 | 8.30 |
| 10360.00 | 63.26 | PK | V | 38.17 | 6.29 | 36.85 | 64.85 | 74.00 | 9.15 |
| 10360.00 | 50.35 | AV | V | 38.17 | 6.29 | 36.85 | 51.94 | 54.00 | 2.06 |
| 15540.00 | 46.68 | PK | V | 38.06 | 8.85 | 39.04 | 48.53 | 74.00 | 25.47 |
| 15540.00 | 32.54 | AV | V | 38.06 | 8.85 | 39.04 | 34.39 | 54.00 | 19.61 |
| 9355.00 | 46.41 | PK | V | 37.84 | 5.67 | 36.70 | 47.20 | 74.00 | 26.80 |
| 9355.00 | 32.55 | AV | V | 37.84 | 5.67 | 36.70 | 33.34 | 54.00 | 20.66 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 72.78 | PK | V | 33.62 | 3.60 | 0.00 | 103.98 | N/A | N/A |
| 5200.00 | 62.58 | AV | V | 33.62 | 3.60 | 0.00 | 93.78 | N/A | N/A |
| 5200.00 | 62.67 | PK | H | 33.62 | 3.60 | 0.00 | 93.87 | N/A | N/A |
| 5200.00 | 52.36 | AV | H | 33.62 | 3.60 | 0.00 | 83.56 | N/A | N/A |
| 10400.00 | 63.48 | PK | V | 38.18 | 6.32 | 36.86 | 65.10 | 74.00 | 8.9 |
| 10400.00 | 50.26 | AV | V | 38.18 | 6.32 | 36.86 | 51.88 | 54.00 | 2.12 |
| 15600.00 | 46.28 | PK | V | 38.00 | 8.83 | 39.09 | 48.00 | 74.00 | 26 |
| 15600.00 | 32.97 | AV | V | 38.00 | 8.83 | 39.09 | 34.69 | 54.00 | 19.31 |
| 8469.00 | 46.27 | PK | V | 37.36 | 5.14 | 37.10 | 45.65 | 74.00 | 28.35 |
| 8469.00 | 32.51 | AV | V | 37.36 | 5.14 | 37.10 | 31.89 | 54.00 | 22.11 |
| 8695.00 | 45.21 | PK | V | 37.52 | 5.29 | 37.05 | 44.95 | 74.00 | 29.05 |
| 8695.00 | 32.25 | AV | V | 37.52 | 5.29 | 37.05 | 31.99 | 54.00 | 22.01 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 72.63 | PK | V | 33.68 | 3.52 | 0.00 | 103.81 | N/A | N/A |
| 5240.00 | 63.13 | AV | V | 33.68 | 3.52 | 0.00 | 94.31 | N/A | N/A |
| 5240.00 | 62.41 | PK | H | 33.68 | 3.52 | 0.00 | 93.59 | N/A | N/A |
| 5240.00 | 52.59 | AV | H | 33.68 | 3.52 | 0.00 | 83.77 | N/A | N/A |
| 5350.00 | 26.48 | PK | V | 33.86 | 3.52 | 0.00 | 57.84 | 74.00 | 16.16 |
| 5350.00 | 14.36 | AV | V | 33.86 | 3.52 | 0.00 | 45.72 | 54.00 | 8.28 |
| 10480.00 | 63.84 | PK | V | 38.20 | 6.37 | 36.88 | 65.51 | 74.00 | 8.49 |
| 10480.00 | 50.35 | AV | V | 38.20 | 6.37 | 36.88 | 52.02 | 54.00 | 1.98 |
| 15720.00 | 46.44 | PK | V | 37.88 | 8.79 | 39.18 | 47.91 | 74.00 | 26.09 |
| 15720.00 | 32.63 | AV | V | 37.88 | 8.79 | 39.18 | 34.10 | 54.00 | 19.90 |
| 8989.00 | 46.42 | PK | V | 37.69 | 5.48 | 36.93 | 46.64 | 74.00 | 27.36 |
| 8989.00 | 32.57 | AV | V | 37.69 | 5.48 | 36.93 | 32.79 | 54.00 | 21.21 |

802.11n ht20 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.51 | PK | V | 33.59 | 3.58 | 0.00 | 103.66 | N/A | N/A |
| 5180.00 | 62.79 | AV | V | 33.59 | 3.58 | 0.00 | 93.94 | N/A | N/A |
| 5180.00 | 63.61 | PK | H | 33.59 | 3.58 | 0.00 | 94.76 | N/A | N/A |
| 5180.00 | 53.27 | AV | H | 33.59 | 3.58 | 0.00 | 84.42 | N/A | N/A |
| 5150.00 | 26.77 | PK | V | 33.54 | 3.56 | 0.00 | 57.85 | 74.00 | 16.15 |
| 5150.00 | 15.08 | AV | V | 33.54 | 3.56 | 0.00 | 46.16 | 54.00 | 7.84 |
| 10360.00 | 62.89 | PK | V | 38.17 | 6.29 | 36.85 | 64.48 | 74.00 | 9.52 |
| 10360.00 | 50.63 | AV | V | 38.17 | 6.29 | 36.85 | 52.22 | 54.00 | 1.78 |
| 15540.00 | 46.59 | PK | V | 38.06 | 8.85 | 39.04 | 48.44 | 74.00 | 25.56 |
| 15540.00 | 33.01 | AV | V | 38.06 | 8.85 | 39.04 | 34.86 | 54.00 | 19.14 |
| 8677.00 | 46.83 | PK | V | 37.51 | 5.28 | 37.05 | 46.55 | 74.00 | 27.45 |
| 8677.00 | 32.34 | AV | V | 37.51 | 5.28 | 37.05 | 32.06 | 54.00 | 21.94 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 72.36 | PK | V | 33.62 | 3.60 | 0.00 | 103.56 | N/A | N/A |
| 5200.00 | 62.84 | AV | V | 33.62 | 3.60 | 0.00 | 94.04 | N/A | N/A |
| 5200.00 | 63.35 | PK | H | 33.62 | 3.60 | 0.00 | 94.55 | N/A | N/A |
| 5200.00 | 53.02 | AV | H | 33.62 | 3.60 | 0.00 | 84.22 | N/A | N/A |
| 10400.00 | 63.17 | PK | V | 38.18 | 6.32 | 36.86 | 64.79 | 74.00 | 9.21 |
| 10400.00 | 50.04 | AV | V | 38.18 | 6.32 | 36.86 | 51.66 | 54.00 | 2.34 |
| 15600.00 | 46.73 | PK | V | 38.00 | 8.83 | 39.09 | 48.45 | 74.00 | 25.55 |
| 15600.00 | 33.01 | AV | V | 38.00 | 8.83 | 39.09 | 34.73 | 54.00 | 19.27 |
| 9997.00 | 46.37 | PK | V | 38.10 | 6.07 | 36.77 | 47.75 | 74.00 | 26.25 |
| 9997.00 | 32.65 | AV | V | 38.10 | 6.07 | 36.77 | 34.03 | 54.00 | 19.97 |
| 8675.00 | 45.59 | PK | V | 37.51 | 5.28 | 37.05 | 45.31 | 74.00 | 28.69 |
| 8675.00 | 32.43 | AV | V | 37.51 | 5.28 | 37.05 | 32.15 | 54.00 | 21.85 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 72.72 | PK | V | 33.68 | 3.52 | 0.00 | 103.90 | N/A | N/A |
| 5240.00 | 63.07 | AV | V | 33.68 | 3.52 | 0.00 | 94.25 | N/A | N/A |
| 5240.00 | 63.36 | PK | H | 33.68 | 3.52 | 0.00 | 94.54 | N/A | N/A |
| 5240.00 | 53.52 | AV | H | 33.68 | 3.52 | 0.00 | 84.70 | N/A | N/A |
| 5350.00 | 27.07 | PK | V | 33.86 | 3.52 | 0.00 | 58.43 | 74.00 | 15.57 |
| 5350.00 | 15.17 | AV | V | 33.86 | 3.52 | 0.00 | 46.53 | 54.00 | 7.47 |
| 10480.00 | 63.02 | PK | V | 38.20 | 6.37 | 36.88 | 64.69 | 74.00 | 9.31 |
| 10480.00 | 50.46 | AV | V | 38.20 | 6.37 | 36.88 | 52.13 | 54.00 | 1.87 |
| 15720.00 | 46.88 | PK | V | 37.88 | 8.79 | 39.18 | 48.35 | 74.00 | 25.65 |
| 15720.00 | 32.37 | AV | V | 37.88 | 8.79 | 39.18 | 33.84 | 54.00 | 20.16 |
| 9366.00 | 46.64 | PK | V | 37.85 | 5.67 | 36.70 | 47.44 | 74.00 | 26.56 |
| 9366.00 | 32.41 | AV | V | 37.85 | 5.67 | 36.70 | 33.21 | 54.00 | 20.79 |

802.11 ac20 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 72.68 | PK | V | 33.59 | 3.58 | 0.00 | 103.83 | N/A | N/A |
| 5180.00 | 62.53 | AV | V | 33.59 | 3.58 | 0.00 | 93.68 | N/A | N/A |
| 5180.00 | 63.42 | PK | H | 33.59 | 3.58 | 0.00 | 94.57 | N/A | N/A |
| 5180.00 | 53.47 | AV | H | 33.59 | 3.58 | 0.00 | 84.62 | N/A | N/A |
| 5150.00 | 27.03 | PK | V | 33.54 | 3.56 | 0.00 | 58.11 | 74.00 | 15.89 |
| 5150.00 | 14.97 | AV | V | 33.54 | 3.56 | 0.00 | 46.05 | 54.00 | 7.95 |
| 10360.00 | 63.06 | PK | V | 38.17 | 6.29 | 36.85 | 64.65 | 74.00 | 9.35 |
| 10360.00 | 50.79 | AV | V | 38.17 | 6.29 | 36.85 | 52.38 | 54.00 | 1.62 |
| 15540.00 | 46.75 | PK | V | 38.06 | 8.85 | 39.04 | 48.60 | 74.00 | 25.40 |
| 15540.00 | 33.19 | AV | V | 38.06 | 8.85 | 39.04 | 35.04 | 54.00 | 18.96 |
| 8987.00 | 47.07 | PK | V | 37.69 | 5.48 | 36.93 | 47.29 | 74.00 | 26.71 |
| 8987.00 | 32.09 | AV | V | 37.69 | 5.48 | 36.93 | 32.31 | 54.00 | 21.69 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 72.06 | PK | V | 33.62 | 3.60 | 0.00 | 103.26 | N/A | N/A |
| 5200.00 | 62.68 | AV | V | 33.62 | 3.60 | 0.00 | 93.88 | N/A | N/A |
| 5200.00 | 63.14 | PK | H | 33.62 | 3.60 | 0.00 | 94.34 | N/A | N/A |
| 5200.00 | 53.13 | AV | H | 33.62 | 3.60 | 0.00 | 84.33 | N/A | N/A |
| 10400.00 | 62.92 | PK | V | 38.18 | 6.32 | 36.86 | 64.54 | 74.00 | 9.46 |
| 10400.00 | 49.98 | AV | V | 38.18 | 6.32 | 36.86 | 51.60 | 54.00 | 2.4 |
| 15600.00 | 46.79 | PK | V | 38.00 | 8.83 | 39.09 | 48.51 | 74.00 | 25.49 |
| 15600.00 | 33.12 | AV | V | 38.00 | 8.83 | 39.09 | 34.84 | 54.00 | 19.16 |
| 8634.00 | 46.29 | PK | V | 37.48 | 5.26 | 37.07 | 45.94 | 74.00 | 28.06 |
| 8634.00 | 32.76 | AV | V | 37.48 | 5.26 | 37.07 | 32.41 | 54.00 | 21.59 |
| 9514.00 | 45.29 | PK | V | 37.91 | 5.75 | 36.61 | 46.32 | 74.00 | 27.68 |
| 9514.00 | 32.54 | AV | V | 37.91 | 5.75 | 36.61 | 33.57 | 54.00 | 20.43 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 72.81 | PK | V | 33.68 | 3.52 | 0.00 | 103.99 | N/A | N/A |
| 5240.00 | 62.88 | AV | V | 33.68 | 3.52 | 0.00 | 94.06 | N/A | N/A |
| 5240.00 | 63.36 | PK | H | 33.68 | 3.52 | 0.00 | 94.54 | N/A | N/A |
| 5240.00 | 53.45 | AV | H | 33.68 | 3.52 | 0.00 | 84.63 | N/A | N/A |
| 5350.00 | 26.97 | PK | V | 33.86 | 3.52 | 0.00 | 58.33 | 74.00 | 15.67 |
| 5350.00 | 15.33 | AV | V | 33.86 | 3.52 | 0.00 | 46.69 | 54.00 | 7.31 |
| 10480.00 | 62.84 | PK | V | 38.20 | 6.37 | 36.88 | 64.51 | 74.00 | 9.49 |
| 10480.00 | 50.39 | AV | V | 38.20 | 6.37 | 36.88 | 52.06 | 54.00 | 1.94 |
| 15720.00 | 46.72 | PK | V | 37.88 | 8.79 | 39.18 | 48.19 | 74.00 | 25.81 |
| 15720.00 | 33.26 | AV | V | 37.88 | 8.79 | 39.18 | 34.73 | 54.00 | 19.27 |
| 9655.00 | 47.05 | PK | V | 37.96 | 5.84 | 36.66 | 48.17 | 74.00 | 25.83 |
| 9655.00 | 32.33 | AV | V | 37.96 | 5.84 | 36.66 | 33.45 | 54.00 | 20.55 |

802.11 n ht40 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 68.57 | PK | V | 33.60 | 3.59 | 0.00 | 99.74 | N/A | N/A |
| 5190.00 | 58.31 | AV | V | 33.60 | 3.59 | 0.00 | 89.48 | N/A | N/A |
| 5190.00 | 58.32 | PK | H | 33.60 | 3.59 | 0.00 | 89.49 | N/A | N/A |
| 5190.00 | 48.36 | AV | H | 33.60 | 3.59 | 0.00 | 79.53 | N/A | N/A |
| 5150.00 | 26.31 | PK | V | 33.54 | 3.56 | 0.00 | 57.39 | 74.00 | 16.61 |
| 5150.00 | 14.53 | AV | V | 33.54 | 3.56 | 0.00 | 45.61 | 54.00 | 8.39 |
| 10380.00 | 63.43 | PK | V | 38.18 | 6.31 | 36.85 | 65.05 | 74.00 | 8.95 |
| 10380.00 | 49.88 | AV | V | 38.18 | 6.31 | 36.85 | 51.50 | 54.00 | 2.50 |
| 15570.00 | 46.94 | PK | V | 38.03 | 8.84 | 39.06 | 48.73 | 74.00 | 25.27 |
| 15570.00 | 33.14 | AV | V | 38.03 | 8.84 | 39.06 | 34.93 | 54.00 | 19.07 |
| 8524.00 | 46.32 | PK | V | 37.41 | 5.19 | 37.11 | 45.79 | 74.00 | 28.21 |
| 8524.00 | 32.57 | AV | V | 37.41 | 5.19 | 37.11 | 32.04 | 54.00 | 21.96 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 68.44 | PK | V | 33.67 | 3.54 | 0.00 | 99.63 | N/A | N/A |
| 5230.00 | 58.41 | AV | V | 33.67 | 3.54 | 0.00 | 89.60 | N/A | N/A |
| 5230.00 | 58.28 | PK | H | 33.67 | 3.54 | 0.00 | 89.47 | N/A | N/A |
| 5230.00 | 48.47 | AV | H | 33.67 | 3.54 | 0.00 | 79.66 | N/A | N/A |
| 5350.00 | 26.49 | PK | V | 33.86 | 3.52 | 0.00 | 57.85 | 74.00 | 16.15 |
| 5350.00 | 14.62 | AV | V | 33.86 | 3.52 | 0.00 | 45.98 | 54.00 | 8.02 |
| 10460.00 | 63.42 | PK | V | 38.19 | 6.36 | 36.87 | 65.08 | 74.00 | 8.92 |
| 10460.00 | 50.04 | AV | V | 38.19 | 6.36 | 36.87 | 51.70 | 54.00 | 2.30 |
| 15690.00 | 46.89 | PK | V | 37.91 | 8.80 | 39.15 | 48.43 | 74.00 | 25.57 |
| 15690.00 | 33.43 | AV | V | 37.91 | 8.80 | 39.15 | 34.97 | 54.00 | 19.03 |
| 9634.00 | 46.47 | PK | V | 37.95 | 5.83 | 36.65 | 47.58 | 74.00 | 26.42 |
| 9634.00 | 32.49 | AV | V | 37.95 | 5.83 | 36.65 | 33.60 | 54.00 | 20.40 |

802.11 ac40 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 68.75 | PK | V | 33.60 | 3.59 | 0.00 | 99.92 | N/A | N/A |
| 5190.00 | 58.14 | AV | V | 33.60 | 3.59 | 0.00 | 89.31 | N/A | N/A |
| 5190.00 | 58.29 | PK | H | 33.60 | 3.59 | 0.00 | 89.46 | N/A | N/A |
| 5190.00 | 48.54 | AV | H | 33.60 | 3.59 | 0.00 | 79.71 | N/A | N/A |
| 5150.00 | 26.45 | PK | V | 33.54 | 3.56 | 0.00 | 57.53 | 74.00 | 16.47 |
| 5150.00 | 14.68 | AV | V | 33.54 | 3.56 | 0.00 | 45.76 | 54.00 | 8.24 |
| 10380.00 | 63.63 | PK | V | 38.18 | 6.31 | 36.85 | 65.25 | 74.00 | 8.75 |
| 10380.00 | 49.69 | AV | V | 38.18 | 6.31 | 36.85 | 51.31 | 54.00 | 2.69 |
| 15570.00 | 46.93 | PK | V | 38.03 | 8.84 | 39.06 | 48.72 | 74.00 | 25.28 |
| 15570.00 | 33.34 | AV | V | 38.03 | 8.84 | 39.06 | 35.13 | 54.00 | 18.87 |
| 8741.00 | 46.18 | PK | V | 37.54 | 5.32 | 37.03 | 45.99 | 74.00 | 28.01 |
| 8741.00 | 32.49 | AV | V | 37.54 | 5.32 | 37.03 | 32.30 | 54.00 | 21.70 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 68.48 | PK | V | 33.67 | 3.54 | 0.00 | 99.67 | N/A | N/A |
| 5230.00 | 58.12 | AV | V | 33.67 | 3.54 | 0.00 | 89.31 | N/A | N/A |
| 5230.00 | 58.16 | PK | H | 33.67 | 3.54 | 0.00 | 89.35 | N/A | N/A |
| 5230.00 | 48.34 | AV | H | 33.67 | 3.54 | 0.00 | 79.53 | N/A | N/A |
| 5350.00 | 26.46 | PK | V | 33.86 | 3.52 | 0.00 | 57.82 | 74.00 | 16.18 |
| 5350.00 | 14.71 | AV | V | 33.86 | 3.52 | 0.00 | 46.07 | 54.00 | 7.93 |
| 10460.00 | 63.34 | PK | V | 38.19 | 6.36 | 36.87 | 65.00 | 74.00 | 9.00 |
| 10460.00 | 49.97 | AV | V | 38.19 | 6.36 | 36.87 | 51.63 | 54.00 | 2.37 |
| 15690.00 | 46.86 | PK | V | 37.91 | 8.80 | 39.15 | 48.40 | 74.00 | 25.60 |
| 15690.00 | 33.04 | AV | V | 37.91 | 8.80 | 39.15 | 34.58 | 54.00 | 19.42 |
| 9655.00 | 46.24 | PK | V | 37.96 | 5.84 | 36.66 | 47.36 | 74.00 | 26.64 |
| 9655.00 | 32.71 | AV | V | 37.96 | 5.84 | 36.66 | 33.83 | 54.00 | 20.17 |

802.11 ac80 Mode(Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 64.47 | PK | V | 33.64 | 3.58 | 0.00 | 95.67 | N/A | N/A |
| 5210.00 | 53.99 | AV | V | 33.64 | 3.58 | 0.00 | 85.19 | N/A | N/A |
| 5210.00 | 51.27 | PK | H | 33.64 | 3.58 | 0.00 | 82.47 | N/A | N/A |
| 5210.00 | 41.12 | AV | H | 33.64 | 3.58 | 0.00 | 72.32 | N/A | N/A |
| 5150.00 | 26.58 | PK | V | 33.54 | 3.56 | 0.00 | 57.66 | 74.00 | 16.34 |
| 5150.00 | 14.44 | AV | V | 33.54 | 3.56 | 0.00 | 45.52 | 54.00 | 8.48 |
| 5350.00 | 26.76 | PK | V | 33.86 | 3.52 | 0.00 | 58.12 | 74.00 | 15.88 |
| 5350.00 | 14.75 | AV | V | 33.86 | 3.52 | 0.00 | 46.11 | 54.00 | 7.89 |
| 10420.00 | 62.57 | PK | V | 38.18 | 6.33 | 36.86 | 64.20 | 74.00 | 9.80 |
| 10420.00 | 49.81 | AV | V | 38.18 | 6.33 | 36.86 | 51.44 | 54.00 | 2.56 |
| 15630.00 | 46.61 | PK | V | 37.97 | 8.82 | 39.11 | 48.27 | 74.00 | 25.73 |
| 15630.00 | 32.37 | AV | V | 37.97 | 8.82 | 39.11 | 34.03 | 54.00 | 19.97 |
| 9685.00 | 46.32 | PK | V | 37.97 | 5.86 | 36.67 | 47.46 | 74.00 | 26.54 |
| 9685.00 | 32.45 | AV | V | 37.97 | 5.86 | 36.67 | 33.59 | 54.00 | 20.41 |

**Radio 1, 5150-5250MHz, Beamforming 3TX**

802.11a Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 76.55 | PK | V | 33.59 | 3.58 | 0.00 | 107.70 | N/A | N/A |
| 5180.00 | 66.66 | AV | V | 33.59 | 3.58 | 0.00 | 97.81 | N/A | N/A |
| 5180.00 | 65.14 | PK | H | 33.59 | 3.58 | 0.00 | 96.29 | N/A | N/A |
| 5180.00 | 54.43 | AV | H | 33.59 | 3.58 | 0.00 | 85.58 | N/A | N/A |
| 5150.00 | 26.94 | PK | V | 33.54 | 3.56 | 0.00 | 58.02 | 74.00 | 15.98 |
| 5150.00 | 14.74 | AV | V | 33.54 | 3.56 | 0.00 | 45.82 | 54.00 | 8.18 |
| 10360.00 | 63.47 | PK | V | 38.17 | 6.29 | 36.85 | 65.06 | 74.00 | 8.94 |
| 10360.00 | 50.18 | AV | V | 38.17 | 6.29 | 36.85 | 51.77 | 54.00 | 2.23 |
| 15540.00 | 46.49 | PK | V | 38.06 | 8.85 | 39.04 | 48.34 | 74.00 | 25.66 |
| 15540.00 | 32.81 | AV | V | 38.06 | 8.85 | 39.04 | 34.66 | 54.00 | 19.34 |
| 9355.00 | 46.56 | PK | V | 37.84 | 5.67 | 36.70 | 47.35 | 74.00 | 26.65 |
| 9355.00 | 32.26 | AV | V | 37.84 | 5.67 | 36.70 | 33.05 | 54.00 | 20.95 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 76.84 | PK | V | 33.62 | 3.60 | 0.00 | 108.04 | N/A | N/A |
| 5200.00 | 67.15 | AV | V | 33.62 | 3.60 | 0.00 | 98.35 | N/A | N/A |
| 5200.00 | 64.52 | PK | H | 33.62 | 3.60 | 0.00 | 95.72 | N/A | N/A |
| 5200.00 | 54.75 | AV | H | 33.62 | 3.60 | 0.00 | 85.95 | N/A | N/A |
| 10400.00 | 63.22 | PK | V | 38.18 | 6.32 | 36.86 | 64.84 | 74.00 | 9.16 |
| 10400.00 | 50.39 | AV | V | 38.18 | 6.32 | 36.86 | 52.01 | 54.00 | 1.99 |
| 15600.00 | 46.33 | PK | V | 38.00 | 8.83 | 39.09 | 48.05 | 74.00 | 25.95 |
| 15600.00 | 32.98 | AV | V | 38.00 | 8.83 | 39.09 | 34.70 | 54.00 | 19.3 |
| 8469.00 | 46.42 | PK | V | 37.36 | 5.14 | 37.10 | 45.80 | 74.00 | 28.2 |
| 8469.00 | 32.61 | AV | V | 37.36 | 5.14 | 37.10 | 31.99 | 54.00 | 22.01 |
| 8775.00 | 45.28 | PK | V | 37.57 | 5.35 | 37.02 | 45.16 | 74.00 | 28.84 |
| 8775.00 | 32.51 | AV | V | 37.57 | 5.35 | 37.02 | 32.39 | 54.00 | 21.61 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 76.48 | PK | V | 33.68 | 3.52 | 0.00 | 107.66 | N/A | N/A |
| 5240.00 | 66.61 | AV | V | 33.68 | 3.52 | 0.00 | 97.79 | N/A | N/A |
| 5240.00 | 64.94 | PK | H | 33.68 | 3.52 | 0.00 | 96.12 | N/A | N/A |
| 5240.00 | 54.05 | AV | H | 33.68 | 3.52 | 0.00 | 85.23 | N/A | N/A |
| 5350.00 | 26.72 | PK | V | 33.86 | 3.52 | 0.00 | 58.08 | 74.00 | 15.92 |
| 5350.00 | 14.43 | AV | V | 33.86 | 3.52 | 0.00 | 45.79 | 54.00 | 8.21 |
| 10480.00 | 63.92 | PK | V | 38.20 | 6.37 | 36.88 | 65.59 | 74.00 | 8.41 |
| 10480.00 | 49.92 | AV | V | 38.20 | 6.37 | 36.88 | 51.59 | 54.00 | 2.41 |
| 15720.00 | 46.37 | PK | V | 37.88 | 8.79 | 39.18 | 47.84 | 74.00 | 26.16 |
| 15720.00 | 32.64 | AV | V | 37.88 | 8.79 | 39.18 | 34.11 | 54.00 | 19.89 |
| 8989.00 | 46.37 | PK | V | 37.69 | 5.48 | 36.93 | 46.59 | 74.00 | 27.41 |
| 8989.00 | 32.43 | AV | V | 37.69 | 5.48 | 36.93 | 32.65 | 54.00 | 21.35 |

802.11n ht20 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 76.83 | PK | V | 33.59 | 3.58 | 0.00 | 107.98 | N/A | N/A |
| 5180.00 | 66.32 | AV | V | 33.59 | 3.58 | 0.00 | 97.47 | N/A | N/A |
| 5180.00 | 64.54 | PK | H | 33.59 | 3.58 | 0.00 | 95.69 | N/A | N/A |
| 5180.00 | 54.49 | AV | H | 33.59 | 3.58 | 0.00 | 85.64 | N/A | N/A |
| 5150.00 | 26.63 | PK | V | 33.54 | 3.56 | 0.00 | 57.71 | 74.00 | 16.29 |
| 5150.00 | 14.47 | AV | V | 33.54 | 3.56 | 0.00 | 45.55 | 54.00 | 8.45 |
| 10360.00 | 63.46 | PK | V | 38.17 | 6.29 | 36.85 | 65.05 | 74.00 | 8.95 |
| 10360.00 | 49.88 | AV | V | 38.17 | 6.29 | 36.85 | 51.47 | 54.00 | 2.53 |
| 15540.00 | 46.06 | PK | V | 38.06 | 8.85 | 39.04 | 47.91 | 74.00 | 26.09 |
| 15540.00 | 33.19 | AV | V | 38.06 | 8.85 | 39.04 | 35.04 | 54.00 | 18.96 |
| 8365.00 | 46.42 | PK | V | 37.24 | 5.06 | 37.01 | 45.69 | 74.00 | 28.31 |
| 8365.00 | 32.18 | AV | V | 37.24 | 5.06 | 37.01 | 31.45 | 54.00 | 22.55 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.21 | PK | V | 33.62 | 3.60 | 0.00 | 108.41 | N/A | N/A |
| 5200.00 | 67.21 | AV | V | 33.62 | 3.60 | 0.00 | 98.41 | N/A | N/A |
| 5200.00 | 64.78 | PK | H | 33.62 | 3.60 | 0.00 | 95.98 | N/A | N/A |
| 5200.00 | 54.73 | AV | H | 33.62 | 3.60 | 0.00 | 85.93 | N/A | N/A |
| 10400.00 | 63.34 | PK | V | 38.18 | 6.32 | 36.86 | 64.96 | 74.00 | 9.04 |
| 10400.00 | 50.55 | AV | V | 38.18 | 6.32 | 36.86 | 52.17 | 54.00 | 1.83 |
| 15600.00 | 46.42 | PK | V | 38.00 | 8.83 | 39.09 | 48.14 | 74.00 | 25.86 |
| 15600.00 | 33.15 | AV | V | 38.00 | 8.83 | 39.09 | 34.87 | 54.00 | 19.13 |
| 9997.00 | 46.22 | PK | V | 38.10 | 6.07 | 36.77 | 47.60 | 74.00 | 26.4 |
| 9997.00 | 32.62 | AV | V | 38.10 | 6.07 | 36.77 | 34.00 | 54.00 | 20 |
| 8675.00 | 45.43 | PK | V | 37.51 | 5.28 | 37.05 | 45.15 | 74.00 | 28.85 |
| 8675.00 | 32.06 | AV | V | 37.51 | 5.28 | 37.05 | 31.78 | 54.00 | 22.22 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 76.83 | PK | V | 33.68 | 3.52 | 0.00 | 108.01 | N/A | N/A |
| 5240.00 | 66.71 | AV | V | 33.68 | 3.52 | 0.00 | 97.89 | N/A | N/A |
| 5240.00 | 64.92 | PK | H | 33.68 | 3.52 | 0.00 | 96.10 | N/A | N/A |
| 5240.00 | 54.56 | AV | H | 33.68 | 3.52 | 0.00 | 85.74 | N/A | N/A |
| 5350.00 | 27.15 | PK | V | 33.86 | 3.52 | 0.00 | 58.51 | 74.00 | 15.49 |
| 5350.00 | 14.41 | AV | V | 33.86 | 3.52 | 0.00 | 45.77 | 54.00 | 8.23 |
| 10480.00 | 63.45 | PK | V | 38.20 | 6.37 | 36.88 | 65.12 | 74.00 | 8.88 |
| 10480.00 | 50.03 | AV | V | 38.20 | 6.37 | 36.88 | 51.70 | 54.00 | 2.30 |
| 15720.00 | 46.08 | PK | V | 37.88 | 8.79 | 39.18 | 47.55 | 74.00 | 26.45 |
| 15720.00 | 33.15 | AV | V | 37.88 | 8.79 | 39.18 | 34.62 | 54.00 | 19.38 |
| 9115.00 | 46.82 | PK | V | 37.75 | 5.55 | 36.86 | 47.24 | 74.00 | 26.76 |
| 9115.00 | 32.04 | AV | V | 37.75 | 5.55 | 36.86 | 32.46 | 54.00 | 21.54 |

802.11 ac20 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.38 | PK | V | 33.59 | 3.58 | 0.00 | 108.53 | N/A | N/A |
| 5180.00 | 66.11 | AV | V | 33.59 | 3.58 | 0.00 | 97.26 | N/A | N/A |
| 5180.00 | 64.65 | PK | H | 33.59 | 3.58 | 0.00 | 95.80 | N/A | N/A |
| 5180.00 | 54.48 | AV | H | 33.59 | 3.58 | 0.00 | 85.63 | N/A | N/A |
| 5150.00 | 26.76 | PK | V | 33.54 | 3.56 | 0.00 | 57.84 | 74.00 | 16.16 |
| 5150.00 | 14.78 | AV | V | 33.54 | 3.56 | 0.00 | 45.86 | 54.00 | 8.14 |
| 10360.00 | 63.49 | PK | V | 38.17 | 6.29 | 36.85 | 65.08 | 74.00 | 8.92 |
| 10360.00 | 50.04 | AV | V | 38.17 | 6.29 | 36.85 | 51.63 | 54.00 | 2.37 |
| 15540.00 | 46.24 | PK | V | 38.06 | 8.85 | 39.04 | 48.09 | 74.00 | 25.91 |
| 15540.00 | 33.18 | AV | V | 38.06 | 8.85 | 39.04 | 35.03 | 54.00 | 18.97 |
| 8987.00 | 46.33 | PK | V | 37.69 | 5.48 | 36.93 | 46.55 | 74.00 | 27.45 |
| 8987.00 | 32.38 | AV | V | 37.69 | 5.48 | 36.93 | 32.60 | 54.00 | 21.40 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 76.56 | PK | V | 33.62 | 3.60 | 0.00 | 107.76 | N/A | N/A |
| 5200.00 | 67.04 | AV | V | 33.62 | 3.60 | 0.00 | 98.24 | N/A | N/A |
| 5200.00 | 64.68 | PK | H | 33.62 | 3.60 | 0.00 | 95.88 | N/A | N/A |
| 5200.00 | 54.87 | AV | H | 33.62 | 3.60 | 0.00 | 86.07 | N/A | N/A |
| 10400.00 | 63.53 | PK | V | 38.18 | 6.32 | 36.86 | 65.15 | 74.00 | 8.85 |
| 10400.00 | 50.06 | AV | V | 38.18 | 6.32 | 36.86 | 51.68 | 54.00 | 2.32 |
| 15600.00 | 46.43 | PK | V | 38.00 | 8.83 | 39.09 | 48.15 | 74.00 | 25.85 |
| 15600.00 | 33.31 | AV | V | 38.00 | 8.83 | 39.09 | 35.03 | 54.00 | 18.97 |
| 8634.00 | 46.47 | PK | V | 37.48 | 5.26 | 37.07 | 46.12 | 74.00 | 27.88 |
| 8634.00 | 32.64 | AV | V | 37.48 | 5.26 | 37.07 | 32.29 | 54.00 | 21.71 |
| 9514.00 | 45.32 | PK | V | 37.91 | 5.75 | 36.61 | 46.35 | 74.00 | 27.65 |
| 9514.00 | 32.13 | AV | V | 37.91 | 5.75 | 36.61 | 33.16 | 54.00 | 20.84 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 76.68 | PK | V | 33.68 | 3.52 | 0.00 | 107.86 | N/A | N/A |
| 5240.00 | 66.72 | AV | V | 33.68 | 3.52 | 0.00 | 97.90 | N/A | N/A |
| 5240.00 | 64.75 | PK | H | 33.68 | 3.52 | 0.00 | 95.93 | N/A | N/A |
| 5240.00 | 54.19 | AV | H | 33.68 | 3.52 | 0.00 | 85.37 | N/A | N/A |
| 5350.00 | 27.11 | PK | V | 33.86 | 3.52 | 0.00 | 58.47 | 74.00 | 15.53 |
| 5350.00 | 14.68 | AV | V | 33.86 | 3.52 | 0.00 | 46.04 | 54.00 | 7.96 |
| 10480.00 | 63.45 | PK | V | 38.20 | 6.37 | 36.88 | 65.12 | 74.00 | 8.88 |
| 10480.00 | 49.79 | AV | V | 38.20 | 6.37 | 36.88 | 51.46 | 54.00 | 2.54 |
| 15720.00 | 45.97 | PK | V | 37.88 | 8.79 | 39.18 | 47.44 | 74.00 | 26.56 |
| 15720.00 | 33.08 | AV | V | 37.88 | 8.79 | 39.18 | 34.55 | 54.00 | 19.45 |
| 9655.00 | 46.52 | PK | V | 37.96 | 5.84 | 36.66 | 47.64 | 74.00 | 26.36 |
| 9655.00 | 32.56 | AV | V | 37.96 | 5.84 | 36.66 | 33.68 | 54.00 | 20.32 |

802.11 n ht40 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 71.53 | PK | V | 33.60 | 3.59 | 0.00 | 102.70 | N/A | N/A |
| 5190.00 | 61.11 | AV | V | 33.60 | 3.59 | 0.00 | 92.28 | N/A | N/A |
| 5190.00 | 60.34 | PK | H | 33.60 | 3.59 | 0.00 | 91.51 | N/A | N/A |
| 5190.00 | 50.36 | AV | H | 33.60 | 3.59 | 0.00 | 81.53 | N/A | N/A |
| 5150.00 | 26.11 | PK | V | 33.54 | 3.56 | 0.00 | 57.19 | 74.00 | 16.81 |
| 5150.00 | 14.56 | AV | V | 33.54 | 3.56 | 0.00 | 45.64 | 54.00 | 8.36 |
| 10380.00 | 63.38 | PK | V | 38.18 | 6.31 | 36.85 | 65.00 | 74.00 | 9.00 |
| 10380.00 | 49.65 | AV | V | 38.18 | 6.31 | 36.85 | 51.27 | 54.00 | 2.73 |
| 15570.00 | 46.67 | PK | V | 38.03 | 8.84 | 39.06 | 48.46 | 74.00 | 25.54 |
| 15570.00 | 33.02 | AV | V | 38.03 | 8.84 | 39.06 | 34.81 | 54.00 | 19.19 |
| 8524.00 | 46.56 | PK | V | 37.41 | 5.19 | 37.11 | 46.03 | 74.00 | 27.97 |
| 8524.00 | 32.38 | AV | V | 37.41 | 5.19 | 37.11 | 31.85 | 54.00 | 22.15 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 71.24 | PK | V | 33.67 | 3.54 | 0.00 | 102.43 | N/A | N/A |
| 5230.00 | 61.52 | AV | V | 33.67 | 3.54 | 0.00 | 92.71 | N/A | N/A |
| 5230.00 | 60.07 | PK | H | 33.67 | 3.54 | 0.00 | 91.26 | N/A | N/A |
| 5230.00 | 50.51 | AV | H | 33.67 | 3.54 | 0.00 | 81.70 | N/A | N/A |
| 5350.00 | 26.01 | PK | V | 33.86 | 3.52 | 0.00 | 57.37 | 74.00 | 16.63 |
| 5350.00 | 14.43 | AV | V | 33.86 | 3.52 | 0.00 | 45.79 | 54.00 | 8.21 |
| 10460.00 | 63.16 | PK | V | 38.19 | 6.36 | 36.87 | 64.82 | 74.00 | 9.18 |
| 10460.00 | 49.92 | AV | V | 38.19 | 6.36 | 36.87 | 51.58 | 54.00 | 2.42 |
| 15690.00 | 46.76 | PK | V | 37.91 | 8.80 | 39.15 | 48.30 | 74.00 | 25.70 |
| 15690.00 | 32.91 | AV | V | 37.91 | 8.80 | 39.15 | 34.45 | 54.00 | 19.55 |
| 9634.00 | 46.21 | PK | V | 37.95 | 5.83 | 36.65 | 47.32 | 74.00 | 26.68 |
| 9634.00 | 32.52 | AV | V | 37.95 | 5.83 | 36.65 | 33.63 | 54.00 | 20.37 |

802.11 ac40 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 71.54 | PK | V | 33.60 | 3.59 | 0.00 | 102.71 | N/A | N/A |
| 5190.00 | 60.98 | AV | V | 33.60 | 3.59 | 0.00 | 92.15 | N/A | N/A |
| 5190.00 | 60.18 | PK | H | 33.60 | 3.59 | 0.00 | 91.35 | N/A | N/A |
| 5190.00 | 50.44 | AV | H | 33.60 | 3.59 | 0.00 | 81.61 | N/A | N/A |
| 5150.00 | 26.16 | PK | V | 33.54 | 3.56 | 0.00 | 57.24 | 74.00 | 16.76 |
| 5150.00 | 14.51 | AV | V | 33.54 | 3.56 | 0.00 | 45.59 | 54.00 | 8.41 |
| 10380.00 | 63.05 | PK | V | 38.18 | 6.31 | 36.85 | 64.67 | 74.00 | 9.33 |
| 10380.00 | 50.01 | AV | V | 38.18 | 6.31 | 36.85 | 51.63 | 54.00 | 2.37 |
| 15570.00 | 46.81 | PK | V | 38.03 | 8.84 | 39.06 | 48.60 | 74.00 | 25.40 |
| 15570.00 | 33.22 | AV | V | 38.03 | 8.84 | 39.06 | 35.01 | 54.00 | 18.99 |
| 8741.00 | 46.26 | PK | V | 37.54 | 5.32 | 37.03 | 46.07 | 74.00 | 27.93 |
| 8741.00 | 32.42 | AV | V | 37.54 | 5.32 | 37.03 | 32.23 | 54.00 | 21.77 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 71.27 | PK | V | 33.67 | 3.54 | 0.00 | 102.46 | N/A | N/A |
| 5230.00 | 61.23 | AV | V | 33.67 | 3.54 | 0.00 | 92.42 | N/A | N/A |
| 5230.00 | 60.23 | PK | H | 33.67 | 3.54 | 0.00 | 91.42 | N/A | N/A |
| 5230.00 | 50.48 | AV | H | 33.67 | 3.54 | 0.00 | 81.67 | N/A | N/A |
| 5350.00 | 26.12 | PK | V | 33.86 | 3.52 | 0.00 | 57.48 | 74.00 | 16.52 |
| 5350.00 | 14.43 | AV | V | 33.86 | 3.52 | 0.00 | 45.79 | 54.00 | 8.21 |
| 10460.00 | 63.07 | PK | V | 38.19 | 6.36 | 36.87 | 64.73 | 74.00 | 9.27 |
| 10460.00 | 49.79 | AV | V | 38.19 | 6.36 | 36.87 | 51.45 | 54.00 | 2.55 |
| 15690.00 | 46.64 | PK | V | 37.91 | 8.80 | 39.15 | 48.18 | 74.00 | 25.82 |
| 15690.00 | 33.34 | AV | V | 37.91 | 8.80 | 39.15 | 34.88 | 54.00 | 19.12 |
| 9655.00 | 46.58 | PK | V | 37.96 | 5.84 | 36.66 | 47.70 | 74.00 | 26.30 |
| 9655.00 | 32.27 | AV | V | 37.96 | 5.84 | 36.66 | 33.39 | 54.00 | 20.61 |

802.11 ac80 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 67.45 | PK | V | 33.64 | 3.58 | 0.00 | 98.65 | N/A | N/A |
| 5210.00 | 58.04 | AV | V | 33.64 | 3.58 | 0.00 | 89.24 | N/A | N/A |
| 5210.00 | 56.29 | PK | H | 33.64 | 3.58 | 0.00 | 87.49 | N/A | N/A |
| 5210.00 | 46.26 | AV | H | 33.64 | 3.58 | 0.00 | 77.46 | N/A | N/A |
| 5150.00 | 26.47 | PK | V | 33.54 | 3.56 | 0.00 | 57.55 | 74.00 | 16.45 |
| 5150.00 | 14.58 | AV | V | 33.54 | 3.56 | 0.00 | 45.66 | 54.00 | 8.34 |
| 5350.00 | 26.83 | PK | V | 33.86 | 3.52 | 0.00 | 58.19 | 74.00 | 15.81 |
| 5350.00 | 14.52 | AV | V | 33.86 | 3.52 | 0.00 | 45.88 | 54.00 | 8.12 |
| 10420.00 | 62.35 | PK | V | 38.18 | 6.33 | 36.86 | 63.98 | 74.00 | 10.02 |
| 10420.00 | 49.85 | AV | V | 38.18 | 6.33 | 36.86 | 51.48 | 54.00 | 2.52 |
| 15630.00 | 46.75 | PK | V | 37.97 | 8.82 | 39.11 | 48.41 | 74.00 | 25.59 |
| 15630.00 | 32.64 | AV | V | 37.97 | 8.82 | 39.11 | 34.30 | 54.00 | 19.70 |
| 9685.00 | 46.26 | PK | V | 37.97 | 5.86 | 36.67 | 47.40 | 74.00 | 26.60 |
| 9685.00 | 32.36 | AV | V | 37.97 | 5.86 | 36.67 | 33.50 | 54.00 | 20.50 |

**Radio 1, 5150-5250MHz, Beamforming 4TX**

802.11a Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.71 | PK | V | 33.59 | 3.58 | 0.00 | 108.86 | N/A | N/A |
| 5180.00 | 67.87 | AV | V | 33.59 | 3.58 | 0.00 | 99.02 | N/A | N/A |
| 5180.00 | 65.81 | PK | H | 33.59 | 3.58 | 0.00 | 96.96 | N/A | N/A |
| 5180.00 | 55.44 | AV | H | 33.59 | 3.58 | 0.00 | 86.59 | N/A | N/A |
| 5150.00 | 26.59 | PK | V | 33.54 | 3.56 | 0.00 | 57.67 | 74.00 | 16.33 |
| 5150.00 | 14.64 | AV | V | 33.54 | 3.56 | 0.00 | 45.72 | 54.00 | 8.28 |
| 10360.00 | 63.37 | PK | V | 38.17 | 6.29 | 36.85 | 64.96 | 74.00 | 9.04 |
| 10360.00 | 50.34 | AV | V | 38.17 | 6.29 | 36.85 | 51.93 | 54.00 | 2.07 |
| 15540.00 | 46.09 | PK | V | 38.06 | 8.85 | 39.04 | 47.94 | 74.00 | 26.06 |
| 15540.00 | 32.79 | AV | V | 38.06 | 8.85 | 39.04 | 34.64 | 54.00 | 19.36 |
| 9355.00 | 46.77 | PK | V | 37.84 | 5.67 | 36.70 | 47.56 | 74.00 | 26.44 |
| 9355.00 | 32.45 | AV | V | 37.84 | 5.67 | 36.70 | 33.24 | 54.00 | 20.76 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.04 | PK | V | 33.62 | 3.60 | 0.00 | 108.24 | N/A | N/A |
| 5200.00 | 67.93 | AV | V | 33.62 | 3.60 | 0.00 | 99.13 | N/A | N/A |
| 5200.00 | 65.58 | PK | H | 33.62 | 3.60 | 0.00 | 96.78 | N/A | N/A |
| 5200.00 | 55.39 | AV | H | 33.62 | 3.60 | 0.00 | 86.59 | N/A | N/A |
| 10400.00 | 63.14 | PK | V | 38.18 | 6.32 | 36.86 | 64.76 | 74.00 | 9.24 |
| 10400.00 | 50.03 | AV | V | 38.18 | 6.32 | 36.86 | 51.65 | 54.00 | 2.35 |
| 15600.00 | 46.31 | PK | V | 38.00 | 8.83 | 39.09 | 48.03 | 74.00 | 25.97 |
| 15600.00 | 32.81 | AV | V | 38.00 | 8.83 | 39.09 | 34.53 | 54.00 | 19.47 |
| 8469.00 | 46.39 | PK | V | 37.36 | 5.14 | 37.10 | 45.77 | 74.00 | 28.23 |
| 8469.00 | 32.82 | AV | V | 37.36 | 5.14 | 37.10 | 32.20 | 54.00 | 21.8 |
| 8795.00 | 44.48 | PK | V | 37.58 | 5.36 | 37.01 | 44.39 | 74.00 | 29.61 |
| 8795.00 | 32.63 | AV | V | 37.58 | 5.36 | 37.01 | 32.54 | 54.00 | 21.46 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 77.83 | PK | V | 33.68 | 3.52 | 0.00 | 109.01 | N/A | N/A |
| 5240.00 | 67.48 | AV | V | 33.68 | 3.52 | 0.00 | 98.66 | N/A | N/A |
| 5240.00 | 65.77 | PK | H | 33.68 | 3.52 | 0.00 | 96.95 | N/A | N/A |
| 5240.00 | 55.07 | AV | H | 33.68 | 3.52 | 0.00 | 86.25 | N/A | N/A |
| 5350.00 | 26.65 | PK | V | 33.86 | 3.52 | 0.00 | 58.01 | 74.00 | 15.99 |
| 5350.00 | 14.79 | AV | V | 33.86 | 3.52 | 0.00 | 46.15 | 54.00 | 7.85 |
| 10480.00 | 63.05 | PK | V | 38.20 | 6.37 | 36.88 | 64.72 | 74.00 | 9.28 |
| 10480.00 | 49.99 | AV | V | 38.20 | 6.37 | 36.88 | 51.66 | 54.00 | 2.34 |
| 15720.00 | 45.92 | PK | V | 37.88 | 8.79 | 39.18 | 47.39 | 74.00 | 26.61 |
| 15720.00 | 32.59 | AV | V | 37.88 | 8.79 | 39.18 | 34.06 | 54.00 | 19.94 |
| 8989.00 | 46.76 | PK | V | 37.69 | 5.48 | 36.93 | 46.98 | 74.00 | 27.02 |
| 8989.00 | 32.66 | AV | V | 37.69 | 5.48 | 36.93 | 32.88 | 54.00 | 21.12 |

802.11n ht20 Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.86 | PK | V | 33.59 | 3.58 | 0.00 | 109.01 | N/A | N/A |
| 5180.00 | 67.42 | AV | V | 33.59 | 3.58 | 0.00 | 98.57 | N/A | N/A |
| 5180.00 | 66.14 | PK | H | 33.59 | 3.58 | 0.00 | 97.29 | N/A | N/A |
| 5180.00 | 55.26 | AV | H | 33.59 | 3.58 | 0.00 | 86.41 | N/A | N/A |
| 5150.00 | 26.67 | PK | V | 33.54 | 3.56 | 0.00 | 57.75 | 74.00 | 16.25 |
| 5150.00 | 14.96 | AV | V | 33.54 | 3.56 | 0.00 | 46.04 | 54.00 | 7.96 |
| 10360.00 | 63.23 | PK | V | 38.17 | 6.29 | 36.85 | 64.82 | 74.00 | 9.18 |
| 10360.00 | 50.19 | AV | V | 38.17 | 6.29 | 36.85 | 51.78 | 54.00 | 2.22 |
| 15540.00 | 46.06 | PK | V | 38.06 | 8.85 | 39.04 | 47.91 | 74.00 | 26.09 |
| 15540.00 | 32.48 | AV | V | 38.06 | 8.85 | 39.04 | 34.33 | 54.00 | 19.67 |
| 8835.00 | 46.68 | PK | V | 37.60 | 5.38 | 36.99 | 46.65 | 74.00 | 27.35 |
| 8835.00 | 32.14 | AV | V | 37.60 | 5.38 | 36.99 | 32.11 | 54.00 | 21.89 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.14 | PK | V | 33.62 | 3.60 | 0.00 | 108.34 | N/A | N/A |
| 5200.00 | 67.22 | AV | V | 33.62 | 3.60 | 0.00 | 98.42 | N/A | N/A |
| 5200.00 | 64.93 | PK | H | 33.62 | 3.60 | 0.00 | 96.13 | N/A | N/A |
| 5200.00 | 54.94 | AV | H | 33.62 | 3.60 | 0.00 | 86.14 | N/A | N/A |
| 10400.00 | 63.21 | PK | V | 38.18 | 6.32 | 36.86 | 64.83 | 74.00 | 9.17 |
| 10400.00 | 50.53 | AV | V | 38.18 | 6.32 | 36.86 | 52.15 | 54.00 | 1.85 |
| 15600.00 | 46.35 | PK | V | 38.00 | 8.83 | 39.09 | 48.07 | 74.00 | 25.93 |
| 15600.00 | 33.37 | AV | V | 38.00 | 8.83 | 39.09 | 35.09 | 54.00 | 18.91 |
| 9997.00 | 46.43 | PK | V | 38.10 | 6.07 | 36.77 | 47.81 | 74.00 | 26.19 |
| 9997.00 | 32.85 | AV | V | 38.10 | 6.07 | 36.77 | 34.23 | 54.00 | 19.77 |
| 8675.00 | 45.14 | PK | V | 37.51 | 5.28 | 37.05 | 44.86 | 74.00 | 29.14 |
| 8675.00 | 32.25 | AV | V | 37.51 | 5.28 | 37.05 | 31.97 | 54.00 | 22.03 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 77.85 | PK | V | 33.68 | 3.52 | 0.00 | 109.03 | N/A | N/A |
| 5240.00 | 67.61 | AV | V | 33.68 | 3.52 | 0.00 | 98.79 | N/A | N/A |
| 5240.00 | 66.18 | PK | H | 33.68 | 3.52 | 0.00 | 97.36 | N/A | N/A |
| 5240.00 | 55.12 | AV | H | 33.68 | 3.52 | 0.00 | 86.30 | N/A | N/A |
| 5350.00 | 26.42 | PK | V | 33.86 | 3.52 | 0.00 | 57.78 | 74.00 | 16.22 |
| 5350.00 | 14.42 | AV | V | 33.86 | 3.52 | 0.00 | 45.78 | 54.00 | 8.22 |
| 10480.00 | 63.31 | PK | V | 38.20 | 6.37 | 36.88 | 64.98 | 74.00 | 9.02 |
| 10480.00 | 50.28 | AV | V | 38.20 | 6.37 | 36.88 | 51.95 | 54.00 | 2.05 |
| 15720.00 | 46.21 | PK | V | 37.88 | 8.79 | 39.18 | 47.68 | 74.00 | 26.32 |
| 15720.00 | 32.65 | AV | V | 37.88 | 8.79 | 39.18 | 34.12 | 54.00 | 19.88 |
| 9315.00 | 46.77 | PK | V | 37.83 | 5.65 | 36.73 | 47.50 | 74.00 | 26.50 |
| 9315.00 | 32.29 | AV | V | 37.83 | 5.65 | 36.73 | 33.02 | 54.00 | 20.98 |

802.11 ac20 Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5180 MHz | | | | | | | | | |
| 5180.00 | 77.52 | PK | V | 33.59 | 3.58 | 0.00 | 108.67 | N/A | N/A |
| 5180.00 | 67.63 | AV | V | 33.59 | 3.58 | 0.00 | 98.78 | N/A | N/A |
| 5180.00 | 66.25 | PK | H | 33.59 | 3.58 | 0.00 | 97.40 | N/A | N/A |
| 5180.00 | 55.24 | AV | H | 33.59 | 3.58 | 0.00 | 86.39 | N/A | N/A |
| 5150.00 | 26.63 | PK | V | 33.54 | 3.56 | 0.00 | 57.71 | 74.00 | 16.29 |
| 5150.00 | 15.24 | AV | V | 33.54 | 3.56 | 0.00 | 46.32 | 54.00 | 7.68 |
| 10360.00 | 63.28 | PK | V | 38.17 | 6.29 | 36.85 | 64.87 | 74.00 | 9.13 |
| 10360.00 | 49.95 | AV | V | 38.17 | 6.29 | 36.85 | 51.54 | 54.00 | 2.46 |
| 15540.00 | 45.82 | PK | V | 38.06 | 8.85 | 39.04 | 47.67 | 74.00 | 26.33 |
| 15540.00 | 32.27 | AV | V | 38.06 | 8.85 | 39.04 | 34.12 | 54.00 | 19.88 |
| 8987.00 | 46.87 | PK | V | 37.69 | 5.48 | 36.93 | 47.09 | 74.00 | 26.91 |
| 8987.00 | 31.92 | AV | V | 37.69 | 5.48 | 36.93 | 32.14 | 54.00 | 21.86 |
| Middle Channel: 5200 MHz | | | | | | | | | |
| 5200.00 | 77.05 | PK | V | 33.62 | 3.60 | 0.00 | 108.25 | N/A | N/A |
| 5200.00 | 67.17 | AV | V | 33.62 | 3.60 | 0.00 | 98.37 | N/A | N/A |
| 5200.00 | 64.65 | PK | H | 33.62 | 3.60 | 0.00 | 95.85 | N/A | N/A |
| 5200.00 | 54.58 | AV | H | 33.62 | 3.60 | 0.00 | 85.78 | N/A | N/A |
| 10400.00 | 63.47 | PK | V | 38.18 | 6.32 | 36.86 | 65.09 | 74.00 | 8.91 |
| 10400.00 | 50.63 | AV | V | 38.18 | 6.32 | 36.86 | 52.25 | 54.00 | 1.75 |
| 15600.00 | 46.58 | PK | V | 38.00 | 8.83 | 39.09 | 48.30 | 74.00 | 25.7 |
| 15600.00 | 33.29 | AV | V | 38.00 | 8.83 | 39.09 | 35.01 | 54.00 | 18.99 |
| 8634.00 | 46.48 | PK | V | 37.48 | 5.26 | 37.07 | 46.13 | 74.00 | 27.87 |
| 8634.00 | 32.63 | AV | V | 37.48 | 5.26 | 37.07 | 32.28 | 54.00 | 21.72 |
| 9514.00 | 45.32 | PK | V | 37.91 | 5.75 | 36.61 | 46.35 | 74.00 | 27.65 |
| 9514.00 | 32.39 | AV | V | 37.91 | 5.75 | 36.61 | 33.42 | 54.00 | 20.58 |
| High Channel: 5240 MHz | | | | | | | | | |
| 5240.00 | 77.83 | PK | V | 33.68 | 3.52 | 0.00 | 109.01 | N/A | N/A |
| 5240.00 | 67.52 | AV | V | 33.68 | 3.52 | 0.00 | 98.70 | N/A | N/A |
| 5240.00 | 66.13 | PK | H | 33.68 | 3.52 | 0.00 | 97.31 | N/A | N/A |
| 5240.00 | 55.04 | AV | H | 33.68 | 3.52 | 0.00 | 86.22 | N/A | N/A |
| 5350.00 | 27.01 | PK | V | 33.86 | 3.52 | 0.00 | 58.37 | 74.00 | 15.63 |
| 5350.00 | 15.09 | AV | V | 33.86 | 3.52 | 0.00 | 46.45 | 54.00 | 7.55 |
| 10480.00 | 62.89 | PK | V | 38.20 | 6.37 | 36.88 | 64.56 | 74.00 | 9.44 |
| 10480.00 | 49.85 | AV | V | 38.20 | 6.37 | 36.88 | 51.52 | 54.00 | 2.48 |
| 15720.00 | 45.79 | PK | V | 37.88 | 8.79 | 39.18 | 47.26 | 74.00 | 26.74 |
| 15720.00 | 32.54 | AV | V | 37.88 | 8.79 | 39.18 | 34.01 | 54.00 | 19.99 |
| 9655.00 | 46.78 | PK | V | 37.96 | 5.84 | 36.66 | 47.90 | 74.00 | 26.10 |
| 9655.00 | 31.77 | AV | V | 37.96 | 5.84 | 36.66 | 32.89 | 54.00 | 21.11 |

802.11 n ht40 Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 73.54 | PK | V | 33.60 | 3.59 | 0.00 | 104.71 | N/A | N/A |
| 5190.00 | 63.42 | AV | V | 33.60 | 3.59 | 0.00 | 94.59 | N/A | N/A |
| 5190.00 | 61.05 | PK | H | 33.60 | 3.59 | 0.00 | 92.22 | N/A | N/A |
| 5190.00 | 51.24 | AV | H | 33.60 | 3.59 | 0.00 | 82.41 | N/A | N/A |
| 5150.00 | 26.07 | PK | V | 33.54 | 3.56 | 0.00 | 57.15 | 74.00 | 16.85 |
| 5150.00 | 14.38 | AV | V | 33.54 | 3.56 | 0.00 | 45.46 | 54.00 | 8.54 |
| 10380.00 | 63.27 | PK | V | 38.18 | 6.31 | 36.85 | 64.89 | 74.00 | 9.11 |
| 10380.00 | 49.55 | AV | V | 38.18 | 6.31 | 36.85 | 51.17 | 54.00 | 2.83 |
| 15570.00 | 46.76 | PK | V | 38.03 | 8.84 | 39.06 | 48.55 | 74.00 | 25.45 |
| 15570.00 | 33.12 | AV | V | 38.03 | 8.84 | 39.06 | 34.91 | 54.00 | 19.09 |
| 8524.00 | 46.45 | PK | V | 37.41 | 5.19 | 37.11 | 45.92 | 74.00 | 28.08 |
| 8524.00 | 32.38 | AV | V | 37.41 | 5.19 | 37.11 | 31.85 | 54.00 | 22.15 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 73.51 | PK | V | 33.67 | 3.54 | 0.00 | 104.70 | N/A | N/A |
| 5230.00 | 63.13 | AV | V | 33.67 | 3.54 | 0.00 | 94.32 | N/A | N/A |
| 5230.00 | 61.32 | PK | H | 33.67 | 3.54 | 0.00 | 92.51 | N/A | N/A |
| 5230.00 | 51.66 | AV | H | 33.67 | 3.54 | 0.00 | 82.85 | N/A | N/A |
| 5350.00 | 26.35 | PK | V | 33.86 | 3.52 | 0.00 | 57.71 | 74.00 | 16.29 |
| 5350.00 | 14.28 | AV | V | 33.86 | 3.52 | 0.00 | 45.64 | 54.00 | 8.36 |
| 10460.00 | 63.63 | PK | V | 38.19 | 6.36 | 36.87 | 65.29 | 74.00 | 8.71 |
| 10460.00 | 49.57 | AV | V | 38.19 | 6.36 | 36.87 | 51.23 | 54.00 | 2.77 |
| 15690.00 | 46.88 | PK | V | 37.91 | 8.80 | 39.15 | 48.42 | 74.00 | 25.58 |
| 15690.00 | 33.26 | AV | V | 37.91 | 8.80 | 39.15 | 34.80 | 54.00 | 19.20 |
| 9634.00 | 46.34 | PK | V | 37.95 | 5.83 | 36.65 | 47.45 | 74.00 | 26.55 |
| 9634.00 | 32.08 | AV | V | 37.95 | 5.83 | 36.65 | 33.19 | 54.00 | 20.81 |

802.11 ac40 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5190 MHz | | | | | | | | | |
| 5190.00 | 73.36 | PK | V | 33.60 | 3.59 | 0.00 | 104.53 | N/A | N/A |
| 5190.00 | 63.27 | AV | V | 33.60 | 3.59 | 0.00 | 94.44 | N/A | N/A |
| 5190.00 | 61.13 | PK | H | 33.60 | 3.59 | 0.00 | 92.30 | N/A | N/A |
| 5190.00 | 51.15 | AV | H | 33.60 | 3.59 | 0.00 | 82.32 | N/A | N/A |
| 5150.00 | 25.88 | PK | V | 33.54 | 3.56 | 0.00 | 56.96 | 74.00 | 17.04 |
| 5150.00 | 14.39 | AV | V | 33.54 | 3.56 | 0.00 | 45.47 | 54.00 | 8.53 |
| 10380.00 | 63.33 | PK | V | 38.18 | 6.31 | 36.85 | 64.95 | 74.00 | 9.05 |
| 10380.00 | 49.69 | AV | V | 38.18 | 6.31 | 36.85 | 51.31 | 54.00 | 2.69 |
| 15570.00 | 46.65 | PK | V | 38.03 | 8.84 | 39.06 | 48.44 | 74.00 | 25.56 |
| 15570.00 | 33.28 | AV | V | 38.03 | 8.84 | 39.06 | 35.07 | 54.00 | 18.93 |
| 8741.00 | 46.46 | PK | V | 37.54 | 5.32 | 37.03 | 46.27 | 74.00 | 27.73 |
| 8741.00 | 32.44 | AV | V | 37.54 | 5.32 | 37.03 | 32.25 | 54.00 | 21.75 |
| High Channel: 5230 MHz | | | | | | | | | |
| 5230.00 | 73.48 | PK | V | 33.67 | 3.54 | 0.00 | 104.67 | N/A | N/A |
| 5230.00 | 63.19 | AV | V | 33.67 | 3.54 | 0.00 | 94.38 | N/A | N/A |
| 5230.00 | 61.14 | PK | H | 33.67 | 3.54 | 0.00 | 92.33 | N/A | N/A |
| 5230.00 | 50.96 | AV | H | 33.67 | 3.54 | 0.00 | 82.15 | N/A | N/A |
| 5350.00 | 25.94 | PK | V | 33.86 | 3.52 | 0.00 | 57.30 | 74.00 | 16.70 |
| 5350.00 | 14.26 | AV | V | 33.86 | 3.52 | 0.00 | 45.62 | 54.00 | 8.38 |
| 10460.00 | 63.29 | PK | V | 38.19 | 6.36 | 36.87 | 64.95 | 74.00 | 9.05 |
| 10460.00 | 49.49 | AV | V | 38.19 | 6.36 | 36.87 | 51.15 | 54.00 | 2.85 |
| 15690.00 | 46.71 | PK | V | 37.91 | 8.80 | 39.15 | 48.25 | 74.00 | 25.75 |
| 15690.00 | 32.72 | AV | V | 37.91 | 8.80 | 39.15 | 34.26 | 54.00 | 19.74 |
| 9655.00 | 46.46 | PK | V | 37.96 | 5.84 | 36.66 | 47.58 | 74.00 | 26.42 |
| 9655.00 | 32.46 | AV | V | 37.96 | 5.84 | 36.66 | 33.58 | 54.00 | 20.42 |

802.11 ac80 Mode(Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5210 MHz | | | | | | | | | |
| 5210.00 | 68.41 | PK | V | 33.64 | 3.58 | 0.00 | 99.61 | N/A | N/A |
| 5210.00 | 57.96 | AV | V | 33.64 | 3.58 | 0.00 | 89.16 | N/A | N/A |
| 5210.00 | 57.35 | PK | H | 33.64 | 3.58 | 0.00 | 88.55 | N/A | N/A |
| 5210.00 | 47.21 | AV | H | 33.64 | 3.58 | 0.00 | 78.41 | N/A | N/A |
| 5150.00 | 26.71 | PK | V | 33.54 | 3.56 | 0.00 | 57.79 | 74.00 | 16.21 |
| 5150.00 | 14.25 | AV | V | 33.54 | 3.56 | 0.00 | 45.33 | 54.00 | 8.67 |
| 5350.00 | 27.06 | PK | V | 33.86 | 3.52 | 0.00 | 58.42 | 74.00 | 15.58 |
| 5350.00 | 14.47 | AV | V | 33.86 | 3.52 | 0.00 | 45.83 | 54.00 | 8.17 |
| 10420.00 | 62.53 | PK | V | 38.18 | 6.33 | 36.86 | 64.16 | 74.00 | 9.84 |
| 10420.00 | 50.23 | AV | V | 38.18 | 6.33 | 36.86 | 51.86 | 54.00 | 2.14 |
| 15630.00 | 46.48 | PK | V | 37.97 | 8.82 | 39.11 | 48.14 | 74.00 | 25.86 |
| 15630.00 | 32.39 | AV | V | 37.97 | 8.82 | 39.11 | 34.05 | 54.00 | 19.95 |
| 9685.00 | 46.56 | PK | V | 37.97 | 5.86 | 36.67 | 47.70 | 74.00 | 26.30 |
| 9685.00 | 32.34 | AV | V | 37.97 | 5.86 | 36.67 | 33.48 | 54.00 | 20.52 |

**Radio 1, 5725-5850MHz, SISO:**
802.11a Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 72.43 | PK | H | 34.20 | 3.69 | 0.00 | 104.30 | N/A | N/A |
| 5745.00 | 61.95 | AV | H | 34.20 | 3.69 | 0.00 | 93.82 | N/A | N/A |
| 5745.00 | 78.22 | PK | V | 34.20 | 3.69 | 0.00 | 110.09 | N/A | N/A |
| 5745.00 | 68.27 | AV | V | 34.20 | 3.69 | 0.00 | 100.14 | N/A | N/A |
| 5725.00 | 32.37 | PK | V | 34.19 | 3.69 | 0.00 | 64.23 | 122.20 | 57.97 |
| 5720.00 | 27.86 | PK | V | 34.19 | 3.69 | 0.00 | 59.72 | 110.80 | 51.08 |
| 5700.00 | 25.67 | PK | V | 34.18 | 3.68 | 0.00 | 57.51 | 105.20 | 47.69 |
| 5650.00 | 25.76 | PK | V | 34.16 | 3.63 | 0.00 | 57.53 | 68.20 | 10.67 |
| 11490.00 | 56.44 | PK | V | 38.99 | 6.59 | 37.35 | 58.65 | 74.00 | 15.35 |
| 11490.00 | 44.93 | AV | V | 38.99 | 6.59 | 37.35 | 47.14 | 54.00 | 6.86 |
| 17235.00 | 52.44 | PK | V | 41.56 | 8.78 | 38.61 | 58.15 | 74.00 | 15.85 |
| 17235.00 | 39.27 | AV | V | 41.56 | 8.78 | 38.61 | 44.98 | 54.00 | 9.02 |
| 8966.00 | 46.51 | PK | V | 37.68 | 5.47 | 36.94 | 46.70 | 74.00 | 27.30 |
| 8966.00 | 31.94 | AV | V | 37.68 | 5.47 | 36.94 | 32.13 | 54.00 | 21.87 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 72.15 | PK | H | 34.21 | 3.71 | 0.00 | 104.05 | N/A | N/A |
| 5785.00 | 61.14 | AV | H | 34.21 | 3.71 | 0.00 | 93.04 | N/A | N/A |
| 5785.00 | 77.89 | PK | V | 34.21 | 3.71 | 0.00 | 109.79 | N/A | N/A |
| 5785.00 | 67.34 | AV | V | 34.21 | 3.71 | 0.00 | 99.24 | N/A | N/A |
| 11570.00 | 56.04 | PK | V | 39.00 | 6.61 | 37.44 | 58.19 | 74.00 | 15.81 |
| 11570.00 | 44.81 | AV | V | 39.00 | 6.61 | 37.44 | 46.96 | 54.00 | 7.04 |
| 17355.00 | 52.15 | PK | V | 42.26 | 8.81 | 38.52 | 58.68 | 74.00 | 15.32 |
| 17355.00 | 39.15 | AV | V | 42.26 | 8.81 | 38.52 | 45.68 | 54.00 | 8.32 |
| 9855.00 | 46.82 | PK | V | 38.04 | 5.97 | 36.72 | 48.09 | 74.00 | 25.91 |
| 9855.00 | 32.27 | AV | V | 38.04 | 5.97 | 36.72 | 33.54 | 54.00 | 20.46 |
| 9677.00 | 45.63 | PK | V | 37.97 | 5.86 | 36.67 | 46.77 | 74.00 | 27.23 |
| 9677.00 | 31.79 | AV | V | 37.97 | 5.86 | 36.67 | 32.93 | 54.00 | 21.07 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 71.33 | PK | H | 34.23 | 3.73 | 0.00 | 103.27 | N/A | N/A |
| 5825.00 | 61.13 | AV | H | 34.23 | 3.73 | 0.00 | 93.07 | N/A | N/A |
| 5825.00 | 77.34 | PK | V | 34.23 | 3.73 | 0.00 | 109.28 | N/A | N/A |
| 5825.00 | 67.75 | AV | V | 34.23 | 3.73 | 0.00 | 99.69 | N/A | N/A |
| 5850.00 | 30.59 | PK | V | 34.24 | 3.75 | 0.00 | 62.56 | 122.20 | 59.64 |
| 5855.00 | 28.34 | PK | V | 34.24 | 3.75 | 0.00 | 60.31 | 110.80 | 50.49 |
| 5875.00 | 25.41 | PK | V | 34.25 | 3.77 | 0.00 | 57.41 | 105.20 | 47.79 |
| 5925.00 | 25.52 | PK | V | 34.27 | 3.80 | 0.00 | 57.57 | 68.20 | 10.63 |
| 11650.00 | 56.45 | PK | V | 39.00 | 6.64 | 37.53 | 58.54 | 74.00 | 15.46 |
| 11650.00 | 44.78 | AV | V | 39.00 | 6.64 | 37.53 | 46.87 | 54.00 | 7.13 |
| 17475.00 | 52.25 | PK | V | 42.96 | 8.84 | 38.44 | 59.59 | 74.00 | 14.41 |
| 17475.00 | 39.43 | AV | V | 42.96 | 8.84 | 38.44 | 46.77 | 54.00 | 7.23 |
| 8966.00 | 46.74 | PK | V | 37.68 | 5.47 | 36.94 | 46.93 | 74.00 | 27.07 |
| 8966.00 | 32.03 | AV | V | 37.68 | 5.47 | 36.94 | 32.22 | 54.00 | 21.78 |

802.11n ht20 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 72.35 | PK | H | 34.20 | 3.69 | 0.00 | 104.22 | N/A | N/A |
| 5745.00 | 62.29 | AV | H | 34.20 | 3.69 | 0.00 | 94.16 | N/A | N/A |
| 5745.00 | 78.59 | PK | V | 34.20 | 3.69 | 0.00 | 110.46 | N/A | N/A |
| 5745.00 | 68.84 | AV | V | 34.20 | 3.69 | 0.00 | 100.71 | N/A | N/A |
| 5725.00 | 33.81 | PK | V | 34.19 | 3.69 | 0.00 | 65.67 | 122.20 | 56.53 |
| 5720.00 | 32.57 | PK | V | 34.19 | 3.69 | 0.00 | 64.43 | 110.80 | 46.37 |
| 5700.00 | 26.54 | PK | V | 34.18 | 3.68 | 0.00 | 58.38 | 105.20 | 46.82 |
| 5650.00 | 25.92 | PK | V | 34.16 | 3.63 | 0.00 | 57.69 | 68.20 | 10.51 |
| 11490.00 | 56.55 | PK | V | 38.99 | 6.59 | 37.35 | 58.76 | 74.00 | 15.24 |
| 11490.00 | 44.76 | AV | V | 38.99 | 6.59 | 37.35 | 46.97 | 54.00 | 7.03 |
| 17235.00 | 52.23 | PK | V | 41.56 | 8.78 | 38.61 | 57.94 | 74.00 | 16.06 |
| 17235.00 | 39.62 | AV | V | 41.56 | 8.78 | 38.61 | 45.33 | 54.00 | 8.67 |
| 8966.00 | 46.84 | PK | V | 37.68 | 5.47 | 36.94 | 47.03 | 74.00 | 26.97 |
| 8966.00 | 31.89 | AV | V | 37.68 | 5.47 | 36.94 | 32.08 | 54.00 | 21.92 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 72.42 | PK | H | 34.21 | 3.71 | 0.00 | 104.32 | N/A | N/A |
| 5785.00 | 62.35 | AV | H | 34.21 | 3.71 | 0.00 | 94.25 | N/A | N/A |
| 5785.00 | 78.35 | PK | V | 34.21 | 3.71 | 0.00 | 110.25 | N/A | N/A |
| 5785.00 | 68.48 | AV | V | 34.21 | 3.71 | 0.00 | 100.38 | N/A | N/A |
| 11570.00 | 56.56 | PK | V | 39.00 | 6.61 | 37.44 | 58.71 | 74.00 | 15.29 |
| 11570.00 | 44.71 | AV | V | 39.00 | 6.61 | 37.44 | 46.86 | 54.00 | 7.14 |
| 17355.00 | 52.25 | PK | V | 42.26 | 8.81 | 38.52 | 58.78 | 74.00 | 15.22 |
| 17355.00 | 39.43 | AV | V | 42.26 | 8.81 | 38.52 | 45.96 | 54.00 | 8.04 |
| 9855.00 | 46.81 | PK | V | 38.04 | 5.97 | 36.72 | 48.08 | 74.00 | 25.92 |
| 9855.00 | 32.15 | AV | V | 38.04 | 5.97 | 36.72 | 33.42 | 54.00 | 20.58 |
| 9677.00 | 45.46 | PK | V | 37.97 | 5.86 | 36.67 | 46.60 | 74.00 | 27.40 |
| 9677.00 | 31.42 | AV | V | 37.97 | 5.86 | 36.67 | 32.56 | 54.00 | 21.44 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 72.47 | PK | H | 34.23 | 3.73 | 0.00 | 104.41 | N/A | N/A |
| 5825.00 | 62.32 | AV | H | 34.23 | 3.73 | 0.00 | 94.26 | N/A | N/A |
| 5825.00 | 77.37 | PK | V | 34.23 | 3.73 | 0.00 | 109.31 | N/A | N/A |
| 5825.00 | 68.21 | AV | V | 34.23 | 3.73 | 0.00 | 100.15 | N/A | N/A |
| 5850.00 | 32.64 | PK | V | 34.24 | 3.75 | 0.00 | 64.61 | 122.20 | 57.59 |
| 5855.00 | 32.15 | PK | V | 34.24 | 3.75 | 0.00 | 64.12 | 110.80 | 46.68 |
| 5875.00 | 27.08 | PK | V | 34.25 | 3.77 | 0.00 | 59.08 | 105.20 | 46.12 |
| 5925.00 | 25.91 | PK | V | 34.27 | 3.80 | 0.00 | 57.96 | 68.20 | 10.24 |
| 11650.00 | 56.46 | PK | V | 39.00 | 6.64 | 37.53 | 58.55 | 74.00 | 15.45 |
| 11650.00 | 44.74 | AV | V | 39.00 | 6.64 | 37.53 | 46.83 | 54.00 | 7.17 |
| 17475.00 | 52.13 | PK | V | 42.96 | 8.84 | 38.44 | 59.47 | 74.00 | 14.53 |
| 17475.00 | 39.63 | AV | V | 42.96 | 8.84 | 38.44 | 46.97 | 54.00 | 7.03 |
| 8966.00 | 46.64 | PK | V | 37.68 | 5.47 | 36.94 | 46.83 | 74.00 | 27.17 |
| 8966.00 | 31.78 | AV | V | 37.68 | 5.47 | 36.94 | 31.97 | 54.00 | 22.03 |

802.11 ac20 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 72.34 | PK | H | 34.20 | 3.69 | 0.00 | 104.21 | N/A | N/A |
| 5745.00 | 62.44 | AV | H | 34.20 | 3.69 | 0.00 | 94.31 | N/A | N/A |
| 5745.00 | 78.36 | PK | V | 34.20 | 3.69 | 0.00 | 110.23 | N/A | N/A |
| 5745.00 | 69.09 | AV | V | 34.20 | 3.69 | 0.00 | 100.96 | N/A | N/A |
| 5725.00 | 33.76 | PK | V | 34.19 | 3.69 | 0.00 | 65.62 | 122.20 | 56.58 |
| 5720.00 | 32.87 | PK | V | 34.19 | 3.69 | 0.00 | 64.73 | 110.80 | 46.07 |
| 5700.00 | 26.26 | PK | V | 34.18 | 3.68 | 0.00 | 58.10 | 105.20 | 47.10 |
| 5650.00 | 25.73 | PK | V | 34.16 | 3.63 | 0.00 | 57.50 | 68.20 | 10.70 |
| 11490.00 | 56.31 | PK | V | 38.99 | 6.59 | 37.35 | 58.52 | 74.00 | 15.48 |
| 11490.00 | 44.89 | AV | V | 38.99 | 6.59 | 37.35 | 47.10 | 54.00 | 6.90 |
| 17235.00 | 51.94 | PK | V | 41.56 | 8.78 | 38.61 | 57.65 | 74.00 | 16.35 |
| 17235.00 | 39.83 | AV | V | 41.56 | 8.78 | 38.61 | 45.54 | 54.00 | 8.46 |
| 8966.00 | 47.13 | PK | V | 37.68 | 5.47 | 36.94 | 47.32 | 74.00 | 26.68 |
| 8966.00 | 31.85 | AV | V | 37.68 | 5.47 | 36.94 | 32.04 | 54.00 | 21.96 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 72.44 | PK | H | 34.21 | 3.71 | 0.00 | 104.34 | N/A | N/A |
| 5785.00 | 62.56 | AV | H | 34.21 | 3.71 | 0.00 | 94.46 | N/A | N/A |
| 5785.00 | 78.18 | PK | V | 34.21 | 3.71 | 0.00 | 110.08 | N/A | N/A |
| 5785.00 | 68.56 | AV | V | 34.21 | 3.71 | 0.00 | 100.46 | N/A | N/A |
| 11570.00 | 56.68 | PK | V | 39.00 | 6.61 | 37.44 | 58.83 | 74.00 | 15.17 |
| 11570.00 | 44.94 | AV | V | 39.00 | 6.61 | 37.44 | 47.09 | 54.00 | 6.91 |
| 17355.00 | 52.03 | PK | V | 42.26 | 8.81 | 38.52 | 58.56 | 74.00 | 15.44 |
| 17355.00 | 39.53 | AV | V | 42.26 | 8.81 | 38.52 | 46.06 | 54.00 | 7.94 |
| 9855.00 | 47.03 | PK | V | 38.04 | 5.97 | 36.72 | 48.30 | 74.00 | 25.70 |
| 9855.00 | 31.88 | AV | V | 38.04 | 5.97 | 36.72 | 33.15 | 54.00 | 20.85 |
| 9677.00 | 45.65 | PK | V | 37.97 | 5.86 | 36.67 | 46.79 | 74.00 | 27.21 |
| 9677.00 | 31.12 | AV | V | 37.97 | 5.86 | 36.67 | 32.26 | 54.00 | 21.74 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 72.71 | PK | H | 34.23 | 3.73 | 0.00 | 104.65 | N/A | N/A |
| 5825.00 | 62.15 | AV | H | 34.23 | 3.73 | 0.00 | 94.09 | N/A | N/A |
| 5825.00 | 77.37 | PK | V | 34.23 | 3.73 | 0.00 | 109.31 | N/A | N/A |
| 5825.00 | 67.96 | AV | V | 34.23 | 3.73 | 0.00 | 99.90 | N/A | N/A |
| 5850.00 | 32.69 | PK | V | 34.24 | 3.75 | 0.00 | 64.66 | 122.20 | 57.54 |
| 5855.00 | 32.37 | PK | V | 34.24 | 3.75 | 0.00 | 64.34 | 110.80 | 46.46 |
| 5875.00 | 26.84 | PK | V | 34.25 | 3.77 | 0.00 | 58.84 | 105.20 | 46.36 |
| 5925.00 | 25.62 | PK | V | 34.27 | 3.80 | 0.00 | 57.67 | 68.20 | 10.53 |
| 11650.00 | 56.56 | PK | V | 39.00 | 6.64 | 37.53 | 58.65 | 74.00 | 15.35 |
| 11650.00 | 45.01 | AV | V | 39.00 | 6.64 | 37.53 | 47.10 | 54.00 | 6.90 |
| 17475.00 | 52.05 | PK | V | 42.96 | 8.84 | 38.44 | 59.39 | 74.00 | 14.61 |
| 17475.00 | 39.62 | AV | V | 42.96 | 8.84 | 38.44 | 46.96 | 54.00 | 7.04 |
| 8966.00 | 46.36 | PK | V | 37.68 | 5.47 | 36.94 | 46.55 | 74.00 | 27.45 |
| 8966.00 | 31.73 | AV | V | 37.68 | 5.47 | 36.94 | 31.92 | 54.00 | 22.08 |

802.11 n ht40 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 63.65 | PK | H | 34.20 | 3.70 | 0.00 | 95.53 | N/A | N/A |
| 5755.00 | 53.35 | AV | H | 34.20 | 3.70 | 0.00 | 85.23 | N/A | N/A |
| 5755.00 | 69.79 | PK | V | 34.20 | 3.70 | 0.00 | 101.67 | N/A | N/A |
| 5755.00 | 59.44 | AV | V | 34.20 | 3.70 | 0.00 | 91.32 | N/A | N/A |
| 5725.00 | 34.79 | PK | V | 34.19 | 3.69 | 0.00 | 66.65 | 122.20 | 55.55 |
| 5720.00 | 32.69 | PK | V | 34.19 | 3.69 | 0.00 | 64.55 | 110.80 | 46.25 |
| 5700.00 | 27.23 | PK | V | 34.18 | 3.68 | 0.00 | 59.07 | 105.20 | 46.13 |
| 5650.00 | 26.39 | PK | V | 34.16 | 3.63 | 0.00 | 58.16 | 68.20 | 10.04 |
| 11510.00 | 54.87 | PK | V | 39.00 | 6.59 | 37.37 | 57.07 | 74.00 | 16.93 |
| 11510.00 | 42.55 | AV | V | 39.00 | 6.59 | 37.37 | 44.75 | 54.00 | 9.25 |
| 17265.00 | 52.93 | PK | V | 41.74 | 8.79 | 38.58 | 58.86 | 74.00 | 15.14 |
| 17265.00 | 40.66 | AV | V | 41.74 | 8.79 | 38.58 | 46.59 | 54.00 | 7.41 |
| 8966.00 | 46.46 | PK | V | 37.68 | 5.47 | 36.94 | 46.65 | 74.00 | 27.35 |
| 8966.00 | 32.18 | AV | V | 37.68 | 5.47 | 36.94 | 32.37 | 54.00 | 21.63 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 63.35 | PK | H | 34.22 | 3.71 | 0.00 | 95.26 | N/A | N/A |
| 5795.00 | 52.99 | AV | H | 34.22 | 3.71 | 0.00 | 84.90 | N/A | N/A |
| 5795.00 | 68.77 | PK | V | 34.22 | 3.71 | 0.00 | 100.68 | N/A | N/A |
| 5795.00 | 58.46 | AV | V | 34.22 | 3.71 | 0.00 | 90.37 | N/A | N/A |
| 5850.00 | 33.58 | PK | V | 34.24 | 3.75 | 0.00 | 65.55 | 122.20 | 56.65 |
| 5855.00 | 32.39 | PK | V | 34.24 | 3.75 | 0.00 | 64.36 | 110.80 | 46.44 |
| 5875.00 | 27.67 | PK | V | 34.25 | 3.77 | 0.00 | 59.67 | 105.20 | 45.53 |
| 5925.00 | 27.13 | PK | V | 34.27 | 3.80 | 0.00 | 59.18 | 68.20 | 9.02 |
| 11590.00 | 54.82 | PK | V | 39.00 | 6.62 | 37.46 | 56.96 | 74.00 | 17.04 |
| 11590.00 | 42.51 | AV | V | 39.00 | 6.62 | 37.46 | 44.65 | 54.00 | 9.35 |
| 17385.00 | 52.75 | PK | V | 42.43 | 8.82 | 38.50 | 59.48 | 74.00 | 14.52 |
| 17385.00 | 40.68 | AV | V | 42.43 | 8.82 | 38.50 | 47.41 | 54.00 | 6.59 |
| 8966.00 | 45.97 | PK | V | 37.68 | 5.47 | 36.94 | 46.16 | 74.00 | 27.84 |
| 8966.00 | 31.59 | AV | V | 37.68 | 5.47 | 36.94 | 31.78 | 54.00 | 22.22 |

802.11 ac40 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 63.73 | PK | H | 34.20 | 3.70 | 0.00 | 95.61 | N/A | N/A |
| 5755.00 | 53.28 | AV | H | 34.20 | 3.70 | 0.00 | 85.16 | N/A | N/A |
| 5755.00 | 69.68 | PK | V | 34.20 | 3.70 | 0.00 | 101.56 | N/A | N/A |
| 5755.00 | 59.4 | AV | V | 34.20 | 3.70 | 0.00 | 91.28 | N/A | N/A |
| 5725.00 | 34.68 | PK | V | 34.19 | 3.69 | 0.00 | 66.54 | 122.20 | 55.66 |
| 5720.00 | 32.54 | PK | V | 34.19 | 3.69 | 0.00 | 64.40 | 110.80 | 46.40 |
| 5700.00 | 27.42 | PK | V | 34.18 | 3.68 | 0.00 | 59.26 | 105.20 | 45.94 |
| 5650.00 | 26.37 | PK | V | 34.16 | 3.63 | 0.00 | 58.14 | 68.20 | 10.06 |
| 11510.00 | 55.01 | PK | V | 39.00 | 6.59 | 37.37 | 57.21 | 74.00 | 16.79 |
| 11510.00 | 42.6 | AV | V | 39.00 | 6.59 | 37.37 | 44.80 | 54.00 | 9.20 |
| 17265.00 | 52.79 | PK | V | 41.74 | 8.79 | 38.58 | 58.72 | 74.00 | 15.28 |
| 17265.00 | 40.83 | AV | V | 41.74 | 8.79 | 38.58 | 46.76 | 54.00 | 7.24 |
| 8966.00 | 46.5 | PK | V | 37.68 | 5.47 | 36.94 | 46.69 | 74.00 | 27.31 |
| 8966.00 | 32.17 | AV | V | 37.68 | 5.47 | 36.94 | 32.36 | 54.00 | 21.64 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 63.27 | PK | H | 34.22 | 3.71 | 0.00 | 95.18 | N/A | N/A |
| 5795.00 | 52.79 | AV | H | 34.22 | 3.71 | 0.00 | 84.70 | N/A | N/A |
| 5795.00 | 68.57 | PK | V | 34.22 | 3.71 | 0.00 | 100.48 | N/A | N/A |
| 5795.00 | 58.59 | AV | V | 34.22 | 3.71 | 0.00 | 90.50 | N/A | N/A |
| 5850.00 | 33.75 | PK | V | 34.24 | 3.75 | 0.00 | 65.72 | 122.20 | 56.48 |
| 5855.00 | 32.32 | PK | V | 34.24 | 3.75 | 0.00 | 64.29 | 110.80 | 46.51 |
| 5875.00 | 27.67 | PK | V | 34.25 | 3.77 | 0.00 | 59.67 | 105.20 | 45.53 |
| 5925.00 | 27.22 | PK | V | 34.27 | 3.80 | 0.00 | 59.27 | 68.20 | 8.93 |
| 11590.00 | 54.73 | PK | V | 39.00 | 6.62 | 37.46 | 56.87 | 74.00 | 17.13 |
| 11590.00 | 42.69 | AV | V | 39.00 | 6.62 | 37.46 | 44.83 | 54.00 | 9.17 |
| 17385.00 | 52.73 | PK | V | 42.43 | 8.82 | 38.50 | 59.46 | 74.00 | 14.54 |
| 17385.00 | 40.63 | AV | V | 42.43 | 8.82 | 38.50 | 47.36 | 54.00 | 6.64 |
| 8966.00 | 45.89 | PK | V | 37.68 | 5.47 | 36.94 | 46.08 | 74.00 | 27.92 |
| 8966.00 | 31.47 | AV | V | 37.68 | 5.47 | 36.94 | 31.66 | 54.00 | 22.34 |

802.11 ac80 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5755 MHz | | | | | | | | | |
| 5775.00 | 58.85 | PK | H | 34.21 | 3.70 | 0.00 | 90.74 | N/A | N/A |
| 5775.00 | 48.72 | AV | H | 34.21 | 3.70 | 0.00 | 80.61 | N/A | N/A |
| 5775.00 | 65.75 | PK | V | 34.21 | 3.70 | 0.00 | 97.64 | N/A | N/A |
| 5775.00 | 55.34 | AV | V | 34.21 | 3.70 | 0.00 | 87.23 | N/A | N/A |
| 5725.00 | 31.73 | PK | V | 34.19 | 3.69 | 0.00 | 63.59 | 122.20 | 58.61 |
| 5720.00 | 30.56 | PK | V | 34.19 | 3.69 | 0.00 | 62.42 | 110.80 | 48.38 |
| 5700.00 | 29.15 | PK | V | 34.18 | 3.68 | 0.00 | 60.99 | 105.20 | 44.21 |
| 5650.00 | 27.53 | PK | V | 34.16 | 3.63 | 0.00 | 59.30 | 68.20 | 8.90 |
| 5850.00 | 30.68 | PK | V | 34.24 | 3.75 | 0.00 | 62.65 | 122.20 | 59.55 |
| 5855.00 | 30.32 | PK | V | 34.24 | 3.75 | 0.00 | 62.29 | 110.80 | 48.51 |
| 5875.00 | 29.56 | PK | V | 34.25 | 3.77 | 0.00 | 61.56 | 105.20 | 43.64 |
| 5925.00 | 27.43 | PK | V | 34.27 | 3.80 | 0.00 | 59.48 | 68.20 | 8.72 |
| 11550.00 | 53.28 | PK | V | 39.00 | 6.61 | 37.42 | 55.45 | 74.00 | 18.55 |
| 11550.00 | 43.53 | AV | V | 39.00 | 6.61 | 37.42 | 45.70 | 54.00 | 8.30 |
| 17325.00 | 52.38 | PK | V | 42.09 | 8.80 | 38.54 | 58.71 | 74.00 | 15.29 |
| 17325.00 | 41.75 | AV | V | 42.09 | 8.80 | 38.54 | 48.08 | 54.00 | 5.92 |
| 8966.00 | 46.73 | PK | V | 37.68 | 5.47 | 36.94 | 46.92 | 74.00 | 27.08 |
| 8966.00 | 32.49 | AV | V | 37.68 | 5.47 | 36.94 | 32.68 | 54.00 | 21.32 |

**Radio 1, 5725-5850MHz, Non-beamforming 2TX**

802.11a Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 73.69 | PK | H | 34.20 | 3.69 | 0.00 | 105.56 | N/A | N/A |
| 5745.00 | 63.75 | AV | H | 34.20 | 3.69 | 0.00 | 95.62 | N/A | N/A |
| 5745.00 | 80.67 | PK | V | 34.20 | 3.69 | 0.00 | 112.54 | N/A | N/A |
| 5745.00 | 70.59 | AV | V | 34.20 | 3.69 | 0.00 | 102.46 | N/A | N/A |
| 5725.00 | 36.23 | PK | V | 34.19 | 3.69 | 0.00 | 68.09 | 122.20 | 54.11 |
| 5720.00 | 31.62 | PK | V | 34.19 | 3.69 | 0.00 | 63.48 | 110.80 | 47.32 |
| 5700.00 | 28.45 | PK | V | 34.18 | 3.68 | 0.00 | 60.29 | 105.20 | 44.91 |
| 5650.00 | 26.16 | PK | V | 34.16 | 3.63 | 0.00 | 57.93 | 68.20 | 10.27 |
| 11490.00 | 67.34 | PK | V | 38.99 | 6.59 | 37.35 | 69.55 | 74.00 | 4.45 |
| 11490.00 | 50.28 | AV | V | 38.99 | 6.59 | 37.35 | 52.49 | 54.00 | 1.51 |
| 17235.00 | 60.01 | PK | V | 41.56 | 8.78 | 38.61 | 65.72 | 74.00 | 8.28 |
| 17235.00 | 44.02 | AV | V | 41.56 | 8.78 | 38.61 | 49.73 | 54.00 | 4.27 |
| 8966.00 | 46.48 | PK | V | 37.68 | 5.47 | 36.94 | 46.67 | 74.00 | 27.33 |
| 8966.00 | 33.16 | AV | V | 37.68 | 5.47 | 36.94 | 33.35 | 54.00 | 20.65 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 73.15 | PK | H | 34.21 | 3.71 | 0.00 | 105.05 | N/A | N/A |
| 5785.00 | 63.14 | AV | H | 34.21 | 3.71 | 0.00 | 95.04 | N/A | N/A |
| 5785.00 | 80.29 | PK | V | 34.21 | 3.71 | 0.00 | 112.19 | N/A | N/A |
| 5785.00 | 70.34 | AV | V | 34.21 | 3.71 | 0.00 | 102.24 | N/A | N/A |
| 11570.00 | 67.76 | PK | V | 39.00 | 6.61 | 37.44 | 69.91 | 74.00 | 4.09 |
| 11570.00 | 49.89 | AV | V | 39.00 | 6.61 | 37.44 | 52.04 | 54.00 | 1.96 |
| 17355.00 | 60.27 | PK | V | 42.26 | 8.81 | 38.52 | 66.80 | 74.00 | 7.20 |
| 17355.00 | 43.92 | AV | V | 42.26 | 8.81 | 38.52 | 50.45 | 54.00 | 3.55 |
| 9855.00 | 46.25 | PK | V | 38.04 | 5.97 | 36.72 | 47.52 | 74.00 | 26.48 |
| 9855.00 | 32.63 | AV | V | 38.04 | 5.97 | 36.72 | 33.90 | 54.00 | 20.10 |
| 9677.00 | 45.53 | PK | V | 37.97 | 5.86 | 36.67 | 46.67 | 74.00 | 27.33 |
| 9677.00 | 31.51 | AV | V | 37.97 | 5.86 | 36.67 | 32.65 | 54.00 | 21.35 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 73.33 | PK | H | 34.23 | 3.73 | 0.00 | 105.27 | N/A | N/A |
| 5825.00 | 63.13 | AV | H | 34.23 | 3.73 | 0.00 | 95.07 | N/A | N/A |
| 5825.00 | 80.34 | PK | V | 34.23 | 3.73 | 0.00 | 112.28 | N/A | N/A |
| 5825.00 | 70.75 | AV | V | 34.23 | 3.73 | 0.00 | 102.69 | N/A | N/A |
| 5850.00 | 34.52 | PK | V | 34.24 | 3.75 | 0.00 | 66.49 | 122.20 | 55.71 |
| 5855.00 | 31.67 | PK | V | 34.24 | 3.75 | 0.00 | 63.64 | 110.80 | 47.16 |
| 5875.00 | 27.41 | PK | V | 34.25 | 3.77 | 0.00 | 59.41 | 105.20 | 45.79 |
| 5925.00 | 26.25 | PK | V | 34.27 | 3.80 | 0.00 | 58.30 | 68.20 | 9.90 |
| 11650.00 | 67.72 | PK | V | 39.00 | 6.64 | 37.53 | 69.81 | 74.00 | 4.19 |
| 11650.00 | 50.09 | AV | V | 39.00 | 6.64 | 37.53 | 52.18 | 54.00 | 1.82 |
| 17475.00 | 60.15 | PK | V | 42.96 | 8.84 | 38.44 | 67.49 | 74.00 | 6.51 |
| 17475.00 | 44.01 | AV | V | 42.96 | 8.84 | 38.44 | 51.35 | 54.00 | 2.65 |
| 8966.00 | 46.44 | PK | V | 37.68 | 5.47 | 36.94 | 46.63 | 74.00 | 27.37 |
| 8966.00 | 32.91 | AV | V | 37.68 | 5.47 | 36.94 | 33.10 | 54.00 | 20.90 |

802.11n ht20 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 74.36 | PK | H | 34.20 | 3.69 | 0.00 | 106.23 | N/A | N/A |
| 5745.00 | 64.45 | AV | H | 34.20 | 3.69 | 0.00 | 96.32 | N/A | N/A |
| 5745.00 | 80.64 | PK | V | 34.20 | 3.69 | 0.00 | 112.51 | N/A | N/A |
| 5745.00 | 70.68 | AV | V | 34.20 | 3.69 | 0.00 | 102.55 | N/A | N/A |
| 5725.00 | 38.11 | PK | V | 34.19 | 3.69 | 0.00 | 69.97 | 122.20 | 52.23 |
| 5720.00 | 35.84 | PK | V | 34.19 | 3.69 | 0.00 | 67.70 | 110.80 | 43.10 |
| 5700.00 | 26.37 | PK | V | 34.18 | 3.68 | 0.00 | 58.21 | 105.20 | 46.99 |
| 5650.00 | 25.79 | PK | V | 34.16 | 3.63 | 0.00 | 57.56 | 68.20 | 10.64 |
| 11490.00 | 67.65 | PK | V | 38.99 | 6.59 | 37.35 | 69.86 | 74.00 | 4.14 |
| 11490.00 | 49.88 | AV | V | 38.99 | 6.59 | 37.35 | 52.09 | 54.00 | 1.91 |
| 17235.00 | 60.15 | PK | V | 41.56 | 8.78 | 38.61 | 65.86 | 74.00 | 8.14 |
| 17235.00 | 43.65 | AV | V | 41.56 | 8.78 | 38.61 | 49.36 | 54.00 | 4.64 |
| 8966.00 | 46.04 | PK | V | 37.68 | 5.47 | 36.94 | 46.23 | 74.00 | 27.77 |
| 8966.00 | 32.69 | AV | V | 37.68 | 5.47 | 36.94 | 32.88 | 54.00 | 21.12 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 74.47 | PK | H | 34.21 | 3.71 | 0.00 | 106.37 | N/A | N/A |
| 5785.00 | 62.3 | AV | H | 34.21 | 3.71 | 0.00 | 94.20 | N/A | N/A |
| 5785.00 | 80.41 | PK | V | 34.21 | 3.71 | 0.00 | 112.31 | N/A | N/A |
| 5785.00 | 70.53 | AV | V | 34.21 | 3.71 | 0.00 | 102.43 | N/A | N/A |
| 11570.00 | 67.92 | PK | V | 39.00 | 6.61 | 37.44 | 70.07 | 74.00 | 3.93 |
| 11570.00 | 50.03 | AV | V | 39.00 | 6.61 | 37.44 | 52.18 | 54.00 | 1.82 |
| 17355.00 | 60.36 | PK | V | 42.26 | 8.81 | 38.52 | 66.89 | 74.00 | 7.11 |
| 17355.00 | 43.88 | AV | V | 42.26 | 8.81 | 38.52 | 50.41 | 54.00 | 3.59 |
| 9855.00 | 46.33 | PK | V | 38.04 | 5.97 | 36.72 | 47.60 | 74.00 | 26.40 |
| 9855.00 | 32.61 | AV | V | 38.04 | 5.97 | 36.72 | 33.88 | 54.00 | 20.12 |
| 9677.00 | 45.36 | PK | V | 37.97 | 5.86 | 36.67 | 46.50 | 74.00 | 27.50 |
| 9677.00 | 31.55 | AV | V | 37.97 | 5.86 | 36.67 | 32.69 | 54.00 | 21.31 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 73.98 | PK | H | 34.23 | 3.73 | 0.00 | 105.92 | N/A | N/A |
| 5825.00 | 64.03 | AV | H | 34.23 | 3.73 | 0.00 | 95.97 | N/A | N/A |
| 5825.00 | 80.25 | PK | V | 34.23 | 3.73 | 0.00 | 112.19 | N/A | N/A |
| 5825.00 | 70.07 | AV | V | 34.23 | 3.73 | 0.00 | 102.01 | N/A | N/A |
| 5850.00 | 34.65 | PK | V | 34.24 | 3.75 | 0.00 | 66.62 | 122.20 | 55.58 |
| 5855.00 | 30.73 | PK | V | 34.24 | 3.75 | 0.00 | 62.70 | 110.80 | 48.10 |
| 5875.00 | 27.57 | PK | V | 34.25 | 3.77 | 0.00 | 59.57 | 105.20 | 45.63 |
| 5925.00 | 26.24 | PK | V | 34.27 | 3.80 | 0.00 | 58.29 | 68.20 | 9.91 |
| 11650.00 | 67.66 | PK | V | 39.00 | 6.64 | 37.53 | 69.75 | 74.00 | 4.25 |
| 11650.00 | 50.05 | AV | V | 39.00 | 6.64 | 37.53 | 52.14 | 54.00 | 1.86 |
| 17475.00 | 60.34 | PK | V | 42.96 | 8.84 | 38.44 | 67.68 | 74.00 | 6.32 |
| 17475.00 | 43.76 | AV | V | 42.96 | 8.84 | 38.44 | 51.10 | 54.00 | 2.90 |
| 8966.00 | 46.29 | PK | V | 37.68 | 5.47 | 36.94 | 46.48 | 74.00 | 27.52 |
| 8966.00 | 32.82 | AV | V | 37.68 | 5.47 | 36.94 | 33.01 | 54.00 | 20.99 |

802.11 ac20 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 74.33 | PK | H | 34.20 | 3.69 | 0.00 | 106.20 | N/A | N/A |
| 5745.00 | 64.43 | AV | H | 34.20 | 3.69 | 0.00 | 96.30 | N/A | N/A |
| 5745.00 | 80.47 | PK | V | 34.20 | 3.69 | 0.00 | 112.34 | N/A | N/A |
| 5745.00 | 70.62 | AV | V | 34.20 | 3.69 | 0.00 | 102.49 | N/A | N/A |
| 5725.00 | 37.95 | PK | V | 34.19 | 3.69 | 0.00 | 69.81 | 122.20 | 52.39 |
| 5720.00 | 35.89 | PK | V | 34.19 | 3.69 | 0.00 | 67.75 | 110.80 | 43.05 |
| 5700.00 | 26.27 | PK | V | 34.18 | 3.68 | 0.00 | 58.11 | 105.20 | 47.09 |
| 5650.00 | 25.62 | PK | V | 34.16 | 3.63 | 0.00 | 57.39 | 68.20 | 10.81 |
| 11490.00 | 67.57 | PK | V | 38.99 | 6.59 | 37.35 | 69.78 | 74.00 | 4.22 |
| 11490.00 | 49.74 | AV | V | 38.99 | 6.59 | 37.35 | 51.95 | 54.00 | 2.05 |
| 17235.00 | 60.04 | PK | V | 41.56 | 8.78 | 38.61 | 65.75 | 74.00 | 8.25 |
| 17235.00 | 43.51 | AV | V | 41.56 | 8.78 | 38.61 | 49.22 | 54.00 | 4.78 |
| 8966.00 | 45.86 | PK | V | 37.68 | 5.47 | 36.94 | 46.05 | 74.00 | 27.95 |
| 8966.00 | 32.52 | AV | V | 37.68 | 5.47 | 36.94 | 32.71 | 54.00 | 21.29 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 74.36 | PK | H | 34.21 | 3.71 | 0.00 | 106.26 | N/A | N/A |
| 5785.00 | 62.42 | AV | H | 34.21 | 3.71 | 0.00 | 94.32 | N/A | N/A |
| 5785.00 | 80.53 | PK | V | 34.21 | 3.71 | 0.00 | 112.43 | N/A | N/A |
| 5785.00 | 70.55 | AV | V | 34.21 | 3.71 | 0.00 | 102.45 | N/A | N/A |
| 11570.00 | 67.86 | PK | V | 39.00 | 6.61 | 37.44 | 70.01 | 74.00 | 3.99 |
| 11570.00 | 50.14 | AV | V | 39.00 | 6.61 | 37.44 | 52.29 | 54.00 | 1.71 |
| 17355.00 | 60.56 | PK | V | 42.26 | 8.81 | 38.52 | 67.09 | 74.00 | 6.91 |
| 17355.00 | 43.96 | AV | V | 42.26 | 8.81 | 38.52 | 50.49 | 54.00 | 3.51 |
| 9855.00 | 46.39 | PK | V | 38.04 | 5.97 | 36.72 | 47.66 | 74.00 | 26.34 |
| 9855.00 | 32.68 | AV | V | 38.04 | 5.97 | 36.72 | 33.95 | 54.00 | 20.05 |
| 9677.00 | 45.42 | PK | V | 37.97 | 5.86 | 36.67 | 46.56 | 74.00 | 27.44 |
| 9677.00 | 31.44 | AV | V | 37.97 | 5.86 | 36.67 | 32.58 | 54.00 | 21.42 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 73.96 | PK | H | 34.23 | 3.73 | 0.00 | 105.90 | N/A | N/A |
| 5825.00 | 63.96 | AV | H | 34.23 | 3.73 | 0.00 | 95.90 | N/A | N/A |
| 5825.00 | 80.23 | PK | V | 34.23 | 3.73 | 0.00 | 112.17 | N/A | N/A |
| 5825.00 | 70.17 | AV | V | 34.23 | 3.73 | 0.00 | 102.11 | N/A | N/A |
| 5850.00 | 34.59 | PK | V | 34.24 | 3.75 | 0.00 | 66.56 | 122.20 | 55.64 |
| 5855.00 | 30.64 | PK | V | 34.24 | 3.75 | 0.00 | 62.61 | 110.80 | 48.19 |
| 5875.00 | 27.74 | PK | V | 34.25 | 3.77 | 0.00 | 59.74 | 105.20 | 45.46 |
| 5925.00 | 26.12 | PK | V | 34.27 | 3.80 | 0.00 | 58.17 | 68.20 | 10.03 |
| 11650.00 | 67.59 | PK | V | 39.00 | 6.64 | 37.53 | 69.68 | 74.00 | 4.32 |
| 11650.00 | 49.89 | AV | V | 39.00 | 6.64 | 37.53 | 51.98 | 54.00 | 2.02 |
| 17475.00 | 60.14 | PK | V | 42.96 | 8.84 | 38.44 | 67.48 | 74.00 | 6.52 |
| 17475.00 | 43.84 | AV | V | 42.96 | 8.84 | 38.44 | 51.18 | 54.00 | 2.82 |
| 8966.00 | 46.16 | PK | V | 37.68 | 5.47 | 36.94 | 46.35 | 74.00 | 27.65 |
| 8966.00 | 32.68 | AV | V | 37.68 | 5.47 | 36.94 | 32.87 | 54.00 | 21.13 |

802.11 n ht40 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 73.89 | PK | H | 34.20 | 3.70 | 0.00 | 105.77 | N/A | N/A |
| 5755.00 | 63.95 | AV | H | 34.20 | 3.70 | 0.00 | 95.83 | N/A | N/A |
| 5755.00 | 80.79 | PK | V | 34.20 | 3.70 | 0.00 | 112.67 | N/A | N/A |
| 5755.00 | 70.67 | AV | V | 34.20 | 3.70 | 0.00 | 102.55 | N/A | N/A |
| 5725.00 | 51.43 | PK | V | 34.19 | 3.69 | 0.00 | 83.29 | 122.20 | 38.91 |
| 5720.00 | 41.62 | PK | V | 34.19 | 3.69 | 0.00 | 73.48 | 110.80 | 37.32 |
| 5700.00 | 29.48 | PK | V | 34.18 | 3.68 | 0.00 | 61.32 | 105.20 | 43.88 |
| 5650.00 | 26.46 | PK | V | 34.16 | 3.63 | 0.00 | 58.23 | 68.20 | 9.97 |
| 11510.00 | 67.78 | PK | V | 39.00 | 6.59 | 37.37 | 69.98 | 74.00 | 4.02 |
| 11510.00 | 49.98 | AV | V | 39.00 | 6.59 | 37.37 | 52.18 | 54.00 | 1.82 |
| 17265.00 | 60.34 | PK | V | 41.74 | 8.79 | 38.58 | 66.27 | 74.00 | 7.73 |
| 17265.00 | 43.76 | AV | V | 41.74 | 8.79 | 38.58 | 49.69 | 54.00 | 4.31 |
| 8966.00 | 46.22 | PK | V | 37.68 | 5.47 | 36.94 | 46.41 | 74.00 | 27.59 |
| 8966.00 | 32.65 | AV | V | 37.68 | 5.47 | 36.94 | 32.84 | 54.00 | 21.16 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 73.77 | PK | H | 34.22 | 3.71 | 0.00 | 105.68 | N/A | N/A |
| 5795.00 | 63.55 | AV | H | 34.22 | 3.71 | 0.00 | 95.46 | N/A | N/A |
| 5795.00 | 80.13 | PK | V | 34.22 | 3.71 | 0.00 | 112.04 | N/A | N/A |
| 5795.00 | 70.27 | AV | V | 34.22 | 3.71 | 0.00 | 102.18 | N/A | N/A |
| 5850.00 | 28.65 | PK | V | 34.24 | 3.75 | 0.00 | 60.62 | 122.20 | 61.58 |
| 5855.00 | 27.31 | PK | V | 34.24 | 3.75 | 0.00 | 59.28 | 110.80 | 51.52 |
| 5875.00 | 26.47 | PK | V | 34.25 | 3.77 | 0.00 | 58.47 | 105.20 | 46.73 |
| 5925.00 | 25.42 | PK | V | 34.27 | 3.80 | 0.00 | 57.47 | 68.20 | 10.73 |
| 11590.00 | 67.75 | PK | V | 39.00 | 6.62 | 37.46 | 69.89 | 74.00 | 4.11 |
| 11590.00 | 50.06 | AV | V | 39.00 | 6.62 | 37.46 | 52.20 | 54.00 | 1.80 |
| 17385.00 | 60.53 | PK | V | 42.43 | 8.82 | 38.50 | 67.26 | 74.00 | 6.74 |
| 17385.00 | 43.43 | AV | V | 42.43 | 8.82 | 38.50 | 50.16 | 54.00 | 3.84 |
| 8966.00 | 46.27 | PK | V | 37.68 | 5.47 | 36.94 | 46.46 | 74.00 | 27.54 |
| 8966.00 | 32.66 | AV | V | 37.68 | 5.47 | 36.94 | 32.85 | 54.00 | 21.15 |

802.11 ac40 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 72.09 | PK | H | 34.20 | 3.70 | 0.00 | 103.97 | N/A | N/A |
| 5755.00 | 61.83 | AV | H | 34.20 | 3.70 | 0.00 | 93.71 | N/A | N/A |
| 5755.00 | 78.89 | PK | V | 34.20 | 3.70 | 0.00 | 110.77 | N/A | N/A |
| 5755.00 | 68.74 | AV | V | 34.20 | 3.70 | 0.00 | 100.62 | N/A | N/A |
| 5725.00 | 51.35 | PK | V | 34.19 | 3.69 | 0.00 | 83.21 | 122.20 | 38.99 |
| 5720.00 | 41.49 | PK | V | 34.19 | 3.69 | 0.00 | 73.35 | 110.80 | 37.45 |
| 5700.00 | 29.28 | PK | V | 34.18 | 3.68 | 0.00 | 61.12 | 105.20 | 44.08 |
| 5650.00 | 26.32 | PK | V | 34.16 | 3.63 | 0.00 | 58.09 | 68.20 | 10.11 |
| 11510.00 | 67.71 | PK | V | 39.00 | 6.59 | 37.37 | 69.91 | 74.00 | 4.09 |
| 11510.00 | 49.86 | AV | V | 39.00 | 6.59 | 37.37 | 52.06 | 54.00 | 1.94 |
| 17265.00 | 60.34 | PK | V | 41.74 | 8.79 | 38.58 | 66.27 | 74.00 | 7.73 |
| 17265.00 | 43.67 | AV | V | 41.74 | 8.79 | 38.58 | 49.60 | 54.00 | 4.40 |
| 8966.00 | 46.25 | PK | V | 37.68 | 5.47 | 36.94 | 46.44 | 74.00 | 27.56 |
| 8966.00 | 32.54 | AV | V | 37.68 | 5.47 | 36.94 | 32.73 | 54.00 | 21.27 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 71.92 | PK | H | 34.22 | 3.71 | 0.00 | 103.83 | N/A | N/A |
| 5795.00 | 61.76 | AV | H | 34.22 | 3.71 | 0.00 | 93.67 | N/A | N/A |
| 5795.00 | 77.97 | PK | V | 34.22 | 3.71 | 0.00 | 109.88 | N/A | N/A |
| 5795.00 | 67.32 | AV | V | 34.22 | 3.71 | 0.00 | 99.23 | N/A | N/A |
| 5850.00 | 28.69 | PK | V | 34.24 | 3.75 | 0.00 | 60.66 | 122.20 | 61.54 |
| 5855.00 | 27.28 | PK | V | 34.24 | 3.75 | 0.00 | 59.25 | 110.80 | 51.55 |
| 5875.00 | 26.45 | PK | V | 34.25 | 3.77 | 0.00 | 58.45 | 105.20 | 46.75 |
| 5925.00 | 25.23 | PK | V | 34.27 | 3.80 | 0.00 | 57.28 | 68.20 | 10.92 |
| 11590.00 | 67.55 | PK | V | 39.00 | 6.62 | 37.46 | 69.69 | 74.00 | 4.31 |
| 11590.00 | 49.91 | AV | V | 39.00 | 6.62 | 37.46 | 52.05 | 54.00 | 1.95 |
| 17385.00 | 60.75 | PK | V | 42.43 | 8.82 | 38.50 | 67.48 | 74.00 | 6.52 |
| 17385.00 | 43.46 | AV | V | 42.43 | 8.82 | 38.50 | 50.19 | 54.00 | 3.81 |
| 8966.00 | 46.22 | PK | V | 37.68 | 5.47 | 36.94 | 46.41 | 74.00 | 27.59 |
| 8966.00 | 32.68 | AV | V | 37.68 | 5.47 | 36.94 | 32.87 | 54.00 | 21.13 |

802.11 ac80 Mode (Chain 0+1 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5755 MHz | | | | | | | | | |
| 5775.00 | 68.43 | PK | H | 34.21 | 3.70 | 0.00 | 100.32 | N/A | N/A |
| 5775.00 | 58.56 | AV | H | 34.21 | 3.70 | 0.00 | 90.45 | N/A | N/A |
| 5775.00 | 73.94 | PK | V | 34.21 | 3.70 | 0.00 | 105.83 | N/A | N/A |
| 5775.00 | 63.53 | AV | V | 34.21 | 3.70 | 0.00 | 95.42 | N/A | N/A |
| 5725.00 | 43.72 | PK | V | 34.19 | 3.69 | 0.00 | 75.58 | 122.20 | 46.62 |
| 5720.00 | 41.75 | PK | V | 34.19 | 3.69 | 0.00 | 73.61 | 110.80 | 37.19 |
| 5700.00 | 29.34 | PK | V | 34.18 | 3.68 | 0.00 | 61.18 | 105.20 | 44.02 |
| 5650.00 | 27.72 | PK | V | 34.16 | 3.63 | 0.00 | 59.49 | 68.20 | 8.71 |
| 5850.00 | 39.87 | PK | V | 34.24 | 3.75 | 0.00 | 71.84 | 122.20 | 50.36 |
| 5855.00 | 37.51 | PK | V | 34.24 | 3.75 | 0.00 | 69.48 | 110.80 | 41.32 |
| 5875.00 | 29.54 | PK | V | 34.25 | 3.77 | 0.00 | 61.54 | 105.20 | 43.66 |
| 5925.00 | 27.46 | PK | V | 34.27 | 3.80 | 0.00 | 59.51 | 68.20 | 8.69 |
| 11550.00 | 53.47 | PK | V | 39.00 | 6.61 | 37.42 | 55.64 | 74.00 | 18.36 |
| 11550.00 | 43.72 | AV | V | 39.00 | 6.61 | 37.42 | 45.89 | 54.00 | 8.11 |
| 17325.00 | 52.57 | PK | V | 42.09 | 8.80 | 38.54 | 58.90 | 74.00 | 15.10 |
| 17325.00 | 41.94 | AV | V | 42.09 | 8.80 | 38.54 | 48.27 | 54.00 | 5.73 |
| 8966.00 | 46.92 | PK | V | 37.68 | 5.47 | 36.94 | 47.11 | 74.00 | 26.89 |
| 8966.00 | 32.68 | AV | V | 37.68 | 5.47 | 36.94 | 32.87 | 54.00 | 21.13 |

**Radio 1, 5725-5850MHz, Non-beamforming 3TX**

802.11a Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 72.46 | PK | H | 34.20 | 3.69 | 0.00 | 104.33 | N/A | N/A |
| 5745.00 | 61.88 | AV | H | 34.20 | 3.69 | 0.00 | 93.75 | N/A | N/A |
| 5745.00 | 80.57 | PK | V | 34.20 | 3.69 | 0.00 | 112.44 | N/A | N/A |
| 5745.00 | 70.13 | AV | V | 34.20 | 3.69 | 0.00 | 102.00 | N/A | N/A |
| 5725.00 | 36.32 | PK | V | 34.19 | 3.69 | 0.00 | 68.18 | 122.20 | 54.02 |
| 5720.00 | 27.63 | PK | V | 34.19 | 3.69 | 0.00 | 59.49 | 110.80 | 51.31 |
| 5700.00 | 25.48 | PK | V | 34.18 | 3.68 | 0.00 | 57.32 | 105.20 | 47.88 |
| 5650.00 | 25.64 | PK | V | 34.16 | 3.63 | 0.00 | 57.41 | 68.20 | 10.79 |
| 11490.00 | 67.57 | PK | V | 38.99 | 6.59 | 37.35 | 69.78 | 74.00 | 4.22 |
| 11490.00 | 50.22 | AV | V | 38.99 | 6.59 | 37.35 | 52.43 | 54.00 | 1.57 |
| 17235.00 | 60.83 | PK | V | 41.56 | 8.78 | 38.61 | 66.54 | 74.00 | 7.46 |
| 17235.00 | 43.35 | AV | V | 41.56 | 8.78 | 38.61 | 49.06 | 54.00 | 4.94 |
| 8966.00 | 46.57 | PK | V | 37.68 | 5.47 | 36.94 | 46.76 | 74.00 | 27.24 |
| 8966.00 | 32.36 | AV | V | 37.68 | 5.47 | 36.94 | 32.55 | 54.00 | 21.45 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 72.67 | PK | H | 34.21 | 3.71 | 0.00 | 104.57 | N/A | N/A |
| 5785.00 | 62.34 | AV | H | 34.21 | 3.71 | 0.00 | 94.24 | N/A | N/A |
| 5785.00 | 80.26 | PK | V | 34.21 | 3.71 | 0.00 | 112.16 | N/A | N/A |
| 5785.00 | 70.05 | AV | V | 34.21 | 3.71 | 0.00 | 101.95 | N/A | N/A |
| 11570.00 | 67.36 | PK | V | 39.00 | 6.61 | 37.44 | 69.51 | 74.00 | 4.49 |
| 11570.00 | 50.52 | AV | V | 39.00 | 6.61 | 37.44 | 52.67 | 54.00 | 1.33 |
| 17355.00 | 60.92 | PK | V | 42.26 | 8.81 | 38.52 | 67.45 | 74.00 | 6.55 |
| 17355.00 | 43.32 | AV | V | 42.26 | 8.81 | 38.52 | 49.85 | 54.00 | 4.15 |
| 9855.00 | 46.36 | PK | V | 38.04 | 5.97 | 36.72 | 47.63 | 74.00 | 26.37 |
| 9855.00 | 32.18 | AV | V | 38.04 | 5.97 | 36.72 | 33.45 | 54.00 | 20.55 |
| 9677.00 | 45.69 | PK | V | 37.97 | 5.86 | 36.67 | 46.83 | 74.00 | 27.17 |
| 9677.00 | 31.85 | AV | V | 37.97 | 5.86 | 36.67 | 32.99 | 54.00 | 21.01 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 72.34 | PK | H | 34.23 | 3.73 | 0.00 | 104.28 | N/A | N/A |
| 5825.00 | 62.25 | AV | H | 34.23 | 3.73 | 0.00 | 94.19 | N/A | N/A |
| 5825.00 | 80.17 | PK | V | 34.23 | 3.73 | 0.00 | 112.11 | N/A | N/A |
| 5825.00 | 69.86 | AV | V | 34.23 | 3.73 | 0.00 | 101.80 | N/A | N/A |
| 5850.00 | 30.78 | PK | V | 34.24 | 3.75 | 0.00 | 62.75 | 122.20 | 59.45 |
| 5855.00 | 27.92 | PK | V | 34.24 | 3.75 | 0.00 | 59.89 | 110.80 | 50.91 |
| 5875.00 | 25.48 | PK | V | 34.25 | 3.77 | 0.00 | 57.48 | 105.20 | 47.72 |
| 5925.00 | 25.39 | PK | V | 34.27 | 3.80 | 0.00 | 57.44 | 68.20 | 10.76 |
| 11650.00 | 67.17 | PK | V | 39.00 | 6.64 | 37.53 | 69.26 | 74.00 | 4.74 |
| 11650.00 | 50.36 | AV | V | 39.00 | 6.64 | 37.53 | 52.45 | 54.00 | 1.55 |
| 17475.00 | 60.98 | PK | V | 42.96 | 8.84 | 38.44 | 68.32 | 74.00 | 5.68 |
| 17475.00 | 43.45 | AV | V | 42.96 | 8.84 | 38.44 | 50.79 | 54.00 | 3.21 |
| 8966.00 | 46.71 | PK | V | 37.68 | 5.47 | 36.94 | 46.90 | 74.00 | 27.10 |
| 8966.00 | 31.94 | AV | V | 37.68 | 5.47 | 36.94 | 32.13 | 54.00 | 21.87 |

802.11n ht20 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 72.82 | PK | H | 34.20 | 3.69 | 0.00 | 104.69 | N/A | N/A |
| 5745.00 | 63.23 | AV | H | 34.20 | 3.69 | 0.00 | 95.10 | N/A | N/A |
| 5745.00 | 81.78 | PK | V | 34.20 | 3.69 | 0.00 | 113.65 | N/A | N/A |
| 5745.00 | 71.64 | AV | V | 34.20 | 3.69 | 0.00 | 103.51 | N/A | N/A |
| 5725.00 | 32.65 | PK | V | 34.19 | 3.69 | 0.00 | 64.51 | 122.20 | 57.69 |
| 5720.00 | 28.39 | PK | V | 34.19 | 3.69 | 0.00 | 60.25 | 110.80 | 50.55 |
| 5700.00 | 25.67 | PK | V | 34.18 | 3.68 | 0.00 | 57.51 | 105.20 | 47.69 |
| 5650.00 | 25.48 | PK | V | 34.16 | 3.63 | 0.00 | 57.25 | 68.20 | 10.95 |
| 11490.00 | 67.69 | PK | V | 38.99 | 6.59 | 37.35 | 69.90 | 74.00 | 4.10 |
| 11490.00 | 50.07 | AV | V | 38.99 | 6.59 | 37.35 | 52.28 | 54.00 | 1.72 |
| 17235.00 | 60.96 | PK | V | 41.56 | 8.78 | 38.61 | 66.67 | 74.00 | 7.33 |
| 17235.00 | 43.38 | AV | V | 41.56 | 8.78 | 38.61 | 49.09 | 54.00 | 4.91 |
| 8966.00 | 46.57 | PK | V | 37.68 | 5.47 | 36.94 | 46.76 | 74.00 | 27.24 |
| 8966.00 | 32.43 | AV | V | 37.68 | 5.47 | 36.94 | 32.62 | 54.00 | 21.38 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 72.82 | PK | H | 34.21 | 3.71 | 0.00 | 104.72 | N/A | N/A |
| 5785.00 | 62.64 | AV | H | 34.21 | 3.71 | 0.00 | 94.54 | N/A | N/A |
| 5785.00 | 81.49 | PK | V | 34.21 | 3.71 | 0.00 | 113.39 | N/A | N/A |
| 5785.00 | 70.83 | AV | V | 34.21 | 3.71 | 0.00 | 102.73 | N/A | N/A |
| 11570.00 | 67.62 | PK | V | 39.00 | 6.61 | 37.44 | 69.77 | 74.00 | 4.23 |
| 11570.00 | 50.36 | AV | V | 39.00 | 6.61 | 37.44 | 52.51 | 54.00 | 1.49 |
| 17355.00 | 61.17 | PK | V | 42.26 | 8.81 | 38.52 | 67.70 | 74.00 | 6.30 |
| 17355.00 | 43.45 | AV | V | 42.26 | 8.81 | 38.52 | 49.98 | 54.00 | 4.02 |
| 9855.00 | 46.42 | PK | V | 38.04 | 5.97 | 36.72 | 47.69 | 74.00 | 26.31 |
| 9855.00 | 32.39 | AV | V | 38.04 | 5.97 | 36.72 | 33.66 | 54.00 | 20.34 |
| 9677.00 | 45.52 | PK | V | 37.97 | 5.86 | 36.67 | 46.66 | 74.00 | 27.34 |
| 9677.00 | 31.67 | AV | V | 37.97 | 5.86 | 36.67 | 32.81 | 54.00 | 21.19 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 72.47 | PK | H | 34.23 | 3.73 | 0.00 | 104.41 | N/A | N/A |
| 5825.00 | 62.37 | AV | H | 34.23 | 3.73 | 0.00 | 94.31 | N/A | N/A |
| 5825.00 | 80.44 | PK | V | 34.23 | 3.73 | 0.00 | 112.38 | N/A | N/A |
| 5825.00 | 69.89 | AV | V | 34.23 | 3.73 | 0.00 | 101.83 | N/A | N/A |
| 5850.00 | 30.91 | PK | V | 34.24 | 3.75 | 0.00 | 62.88 | 122.20 | 59.32 |
| 5855.00 | 28.21 | PK | V | 34.24 | 3.75 | 0.00 | 60.18 | 110.80 | 50.62 |
| 5875.00 | 25.22 | PK | V | 34.25 | 3.77 | 0.00 | 57.22 | 105.20 | 47.98 |
| 5925.00 | 25.34 | PK | V | 34.27 | 3.80 | 0.00 | 57.39 | 68.20 | 10.81 |
| 11650.00 | 67.03 | PK | V | 39.00 | 6.64 | 37.53 | 69.12 | 74.00 | 4.88 |
| 11650.00 | 50.27 | AV | V | 39.00 | 6.64 | 37.53 | 52.36 | 54.00 | 1.64 |
| 17475.00 | 60.92 | PK | V | 42.96 | 8.84 | 38.44 | 68.26 | 74.00 | 5.74 |
| 17475.00 | 43.23 | AV | V | 42.96 | 8.84 | 38.44 | 50.57 | 54.00 | 3.43 |
| 8966.00 | 46.71 | PK | V | 37.68 | 5.47 | 36.94 | 46.90 | 74.00 | 27.10 |
| 8966.00 | 31.65 | AV | V | 37.68 | 5.47 | 36.94 | 31.84 | 54.00 | 22.16 |

802.11 ac20 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 72.88 | PK | H | 34.20 | 3.69 | 0.00 | 104.75 | N/A | N/A |
| 5745.00 | 60.13 | AV | H | 34.20 | 3.69 | 0.00 | 92.00 | N/A | N/A |
| 5745.00 | 82.05 | PK | V | 34.20 | 3.69 | 0.00 | 113.92 | N/A | N/A |
| 5745.00 | 71.67 | AV | V | 34.20 | 3.69 | 0.00 | 103.54 | N/A | N/A |
| 5725.00 | 32.95 | PK | V | 34.19 | 3.69 | 0.00 | 64.81 | 122.20 | 57.39 |
| 5720.00 | 28.34 | PK | V | 34.19 | 3.69 | 0.00 | 60.20 | 110.80 | 50.60 |
| 5700.00 | 25.53 | PK | V | 34.18 | 3.68 | 0.00 | 57.37 | 105.20 | 47.83 |
| 5650.00 | 25.23 | PK | V | 34.16 | 3.63 | 0.00 | 57.00 | 68.20 | 11.20 |
| 11490.00 | 67.75 | PK | V | 38.99 | 6.59 | 37.35 | 69.96 | 74.00 | 4.04 |
| 11490.00 | 50.32 | AV | V | 38.99 | 6.59 | 37.35 | 52.53 | 54.00 | 1.47 |
| 17235.00 | 60.88 | PK | V | 41.56 | 8.78 | 38.61 | 66.59 | 74.00 | 7.41 |
| 17235.00 | 43.23 | AV | V | 41.56 | 8.78 | 38.61 | 48.94 | 54.00 | 5.06 |
| 8966.00 | 46.87 | PK | V | 37.68 | 5.47 | 36.94 | 47.06 | 74.00 | 26.94 |
| 8966.00 | 32.18 | AV | V | 37.68 | 5.47 | 36.94 | 32.37 | 54.00 | 21.63 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 73.09 | PK | H | 34.21 | 3.71 | 0.00 | 104.99 | N/A | N/A |
| 5785.00 | 62.81 | AV | H | 34.21 | 3.71 | 0.00 | 94.71 | N/A | N/A |
| 5785.00 | 81.36 | PK | V | 34.21 | 3.71 | 0.00 | 113.26 | N/A | N/A |
| 5785.00 | 71.03 | AV | V | 34.21 | 3.71 | 0.00 | 102.93 | N/A | N/A |
| 11570.00 | 67.71 | PK | V | 39.00 | 6.61 | 37.44 | 69.86 | 74.00 | 4.14 |
| 11570.00 | 50.51 | AV | V | 39.00 | 6.61 | 37.44 | 52.66 | 54.00 | 1.34 |
| 17355.00 | 61.39 | PK | V | 42.26 | 8.81 | 38.52 | 67.92 | 74.00 | 6.08 |
| 17355.00 | 43.53 | AV | V | 42.26 | 8.81 | 38.52 | 50.06 | 54.00 | 3.94 |
| 9855.00 | 46.27 | PK | V | 38.04 | 5.97 | 36.72 | 47.54 | 74.00 | 26.46 |
| 9855.00 | 32.62 | AV | V | 38.04 | 5.97 | 36.72 | 33.89 | 54.00 | 20.11 |
| 9677.00 | 45.64 | PK | V | 37.97 | 5.86 | 36.67 | 46.78 | 74.00 | 27.22 |
| 9677.00 | 31.64 | AV | V | 37.97 | 5.86 | 36.67 | 32.78 | 54.00 | 21.22 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 72.77 | PK | H | 34.23 | 3.73 | 0.00 | 104.71 | N/A | N/A |
| 5825.00 | 62.46 | AV | H | 34.23 | 3.73 | 0.00 | 94.40 | N/A | N/A |
| 5825.00 | 80.63 | PK | V | 34.23 | 3.73 | 0.00 | 112.57 | N/A | N/A |
| 5825.00 | 69.66 | AV | V | 34.23 | 3.73 | 0.00 | 101.60 | N/A | N/A |
| 5850.00 | 31.42 | PK | V | 34.24 | 3.75 | 0.00 | 63.39 | 122.20 | 58.81 |
| 5855.00 | 28.31 | PK | V | 34.24 | 3.75 | 0.00 | 60.28 | 110.80 | 50.52 |
| 5875.00 | 25.09 | PK | V | 34.25 | 3.77 | 0.00 | 57.09 | 105.20 | 48.11 |
| 5925.00 | 25.22 | PK | V | 34.27 | 3.80 | 0.00 | 57.27 | 68.20 | 10.93 |
| 11650.00 | 67.08 | PK | V | 39.00 | 6.64 | 37.53 | 69.17 | 74.00 | 4.83 |
| 11650.00 | 49.99 | AV | V | 39.00 | 6.64 | 37.53 | 52.08 | 54.00 | 1.92 |
| 17475.00 | 61.16 | PK | V | 42.96 | 8.84 | 38.44 | 68.50 | 74.00 | 5.50 |
| 17475.00 | 43.44 | AV | V | 42.96 | 8.84 | 38.44 | 50.78 | 54.00 | 3.22 |
| 8966.00 | 46.55 | PK | V | 37.68 | 5.47 | 36.94 | 46.74 | 74.00 | 27.26 |
| 8966.00 | 31.79 | AV | V | 37.68 | 5.47 | 36.94 | 31.98 | 54.00 | 22.02 |

802.11 n ht40 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 69.75 | PK | H | 34.20 | 3.70 | 0.00 | 101.63 | N/A | N/A |
| 5755.00 | 59.38 | AV | H | 34.20 | 3.70 | 0.00 | 91.26 | N/A | N/A |
| 5755.00 | 78.43 | PK | V | 34.20 | 3.70 | 0.00 | 110.31 | N/A | N/A |
| 5755.00 | 68.62 | AV | V | 34.20 | 3.70 | 0.00 | 100.50 | N/A | N/A |
| 5725.00 | 45.76 | PK | V | 34.19 | 3.69 | 0.00 | 77.62 | 122.20 | 44.58 |
| 5720.00 | 37.82 | PK | V | 34.19 | 3.69 | 0.00 | 69.68 | 110.80 | 41.12 |
| 5700.00 | 28.16 | PK | V | 34.18 | 3.68 | 0.00 | 60.00 | 105.20 | 45.20 |
| 5650.00 | 26.59 | PK | V | 34.16 | 3.63 | 0.00 | 58.36 | 68.20 | 9.84 |
| 11510.00 | 67.38 | PK | V | 39.00 | 6.59 | 37.37 | 69.58 | 74.00 | 4.42 |
| 11510.00 | 50.14 | AV | V | 39.00 | 6.59 | 37.37 | 52.34 | 54.00 | 1.66 |
| 17265.00 | 60.68 | PK | V | 41.74 | 8.79 | 38.58 | 66.61 | 74.00 | 7.39 |
| 17265.00 | 43.41 | AV | V | 41.74 | 8.79 | 38.58 | 49.34 | 54.00 | 4.66 |
| 8966.00 | 46.43 | PK | V | 37.68 | 5.47 | 36.94 | 46.62 | 74.00 | 27.38 |
| 8966.00 | 32.39 | AV | V | 37.68 | 5.47 | 36.94 | 32.58 | 54.00 | 21.42 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 69.18 | PK | H | 34.22 | 3.71 | 0.00 | 101.09 | N/A | N/A |
| 5795.00 | 59.06 | AV | H | 34.22 | 3.71 | 0.00 | 90.97 | N/A | N/A |
| 5795.00 | 76.69 | PK | V | 34.22 | 3.71 | 0.00 | 108.60 | N/A | N/A |
| 5795.00 | 66.52 | AV | V | 34.22 | 3.71 | 0.00 | 98.43 | N/A | N/A |
| 5850.00 | 29.73 | PK | V | 34.24 | 3.75 | 0.00 | 61.70 | 122.20 | 60.50 |
| 5855.00 | 28.31 | PK | V | 34.24 | 3.75 | 0.00 | 60.28 | 110.80 | 50.52 |
| 5875.00 | 27.64 | PK | V | 34.25 | 3.77 | 0.00 | 59.64 | 105.20 | 45.56 |
| 5925.00 | 27.38 | PK | V | 34.27 | 3.80 | 0.00 | 59.43 | 68.20 | 8.77 |
| 11590.00 | 67.13 | PK | V | 39.00 | 6.62 | 37.46 | 69.27 | 74.00 | 4.73 |
| 11590.00 | 50.28 | AV | V | 39.00 | 6.62 | 37.46 | 52.42 | 54.00 | 1.58 |
| 17385.00 | 60.96 | PK | V | 42.43 | 8.82 | 38.50 | 67.69 | 74.00 | 6.31 |
| 17385.00 | 43.52 | AV | V | 42.43 | 8.82 | 38.50 | 50.25 | 54.00 | 3.75 |
| 8966.00 | 46.76 | PK | V | 37.68 | 5.47 | 36.94 | 46.95 | 74.00 | 27.05 |
| 8966.00 | 32.33 | AV | V | 37.68 | 5.47 | 36.94 | 32.52 | 54.00 | 21.48 |

802.11 ac40 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 70.03 | PK | H | 34.20 | 3.70 | 0.00 | 101.91 | N/A | N/A |
| 5755.00 | 59.3 | AV | H | 34.20 | 3.70 | 0.00 | 91.18 | N/A | N/A |
| 5755.00 | 78.41 | PK | V | 34.20 | 3.70 | 0.00 | 110.29 | N/A | N/A |
| 5755.00 | 68.91 | AV | V | 34.20 | 3.70 | 0.00 | 100.79 | N/A | N/A |
| 5725.00 | 45.47 | PK | V | 34.19 | 3.69 | 0.00 | 77.33 | 122.20 | 44.87 |
| 5720.00 | 37.55 | PK | V | 34.19 | 3.69 | 0.00 | 69.41 | 110.80 | 41.39 |
| 5700.00 | 28.33 | PK | V | 34.18 | 3.68 | 0.00 | 60.17 | 105.20 | 45.03 |
| 5650.00 | 26.56 | PK | V | 34.16 | 3.63 | 0.00 | 58.33 | 68.20 | 9.87 |
| 11510.00 | 67.62 | PK | V | 39.00 | 6.59 | 37.37 | 69.82 | 74.00 | 4.18 |
| 11510.00 | 49.89 | AV | V | 39.00 | 6.59 | 37.37 | 52.09 | 54.00 | 1.91 |
| 17265.00 | 60.45 | PK | V | 41.74 | 8.79 | 38.58 | 66.38 | 74.00 | 7.62 |
| 17265.00 | 43.61 | AV | V | 41.74 | 8.79 | 38.58 | 49.54 | 54.00 | 4.46 |
| 8966.00 | 46.24 | PK | V | 37.68 | 5.47 | 36.94 | 46.43 | 74.00 | 27.57 |
| 8966.00 | 32.55 | AV | V | 37.68 | 5.47 | 36.94 | 32.74 | 54.00 | 21.26 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 69.43 | PK | H | 34.22 | 3.71 | 0.00 | 101.34 | N/A | N/A |
| 5795.00 | 59.18 | AV | H | 34.22 | 3.71 | 0.00 | 91.09 | N/A | N/A |
| 5795.00 | 76.93 | PK | V | 34.22 | 3.71 | 0.00 | 108.84 | N/A | N/A |
| 5795.00 | 66.31 | AV | V | 34.22 | 3.71 | 0.00 | 98.22 | N/A | N/A |
| 5850.00 | 29.56 | PK | V | 34.24 | 3.75 | 0.00 | 61.53 | 122.20 | 60.67 |
| 5855.00 | 28.45 | PK | V | 34.24 | 3.75 | 0.00 | 60.42 | 110.80 | 50.38 |
| 5875.00 | 27.45 | PK | V | 34.25 | 3.77 | 0.00 | 59.45 | 105.20 | 45.75 |
| 5925.00 | 27.09 | PK | V | 34.27 | 3.80 | 0.00 | 59.14 | 68.20 | 9.06 |
| 11590.00 | 66.83 | PK | V | 39.00 | 6.62 | 37.46 | 68.97 | 74.00 | 5.03 |
| 11590.00 | 50.09 | AV | V | 39.00 | 6.62 | 37.46 | 52.23 | 54.00 | 1.77 |
| 17385.00 | 60.98 | PK | V | 42.43 | 8.82 | 38.50 | 67.71 | 74.00 | 6.29 |
| 17385.00 | 43.59 | AV | V | 42.43 | 8.82 | 38.50 | 50.32 | 54.00 | 3.68 |
| 8966.00 | 46.67 | PK | V | 37.68 | 5.47 | 36.94 | 46.86 | 74.00 | 27.14 |
| 8966.00 | 32.37 | AV | V | 37.68 | 5.47 | 36.94 | 32.56 | 54.00 | 21.44 |

802.11 ac80 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5755 MHz | | | | | | | | | |
| 5775.00 | 68.85 | PK | H | 34.21 | 3.70 | 0.00 | 100.74 | N/A | N/A |
| 5775.00 | 58.72 | AV | H | 34.21 | 3.70 | 0.00 | 90.61 | N/A | N/A |
| 5775.00 | 75.75 | PK | V | 34.21 | 3.70 | 0.00 | 107.64 | N/A | N/A |
| 5775.00 | 65.54 | AV | V | 34.21 | 3.70 | 0.00 | 97.43 | N/A | N/A |
| 5725.00 | 40.73 | PK | V | 34.19 | 3.69 | 0.00 | 72.59 | 122.20 | 49.61 |
| 5720.00 | 40.56 | PK | V | 34.19 | 3.69 | 0.00 | 72.42 | 110.80 | 38.38 |
| 5700.00 | 40.15 | PK | V | 34.18 | 3.68 | 0.00 | 71.99 | 105.20 | 33.21 |
| 5650.00 | 27.53 | PK | V | 34.16 | 3.63 | 0.00 | 59.30 | 68.20 | 8.90 |
| 5850.00 | 40.68 | PK | V | 34.24 | 3.75 | 0.00 | 72.65 | 122.20 | 49.55 |
| 5855.00 | 37.32 | PK | V | 34.24 | 3.75 | 0.00 | 69.29 | 110.80 | 41.51 |
| 5875.00 | 34.76 | PK | V | 34.25 | 3.77 | 0.00 | 66.76 | 105.20 | 38.44 |
| 5925.00 | 28.43 | PK | V | 34.27 | 3.80 | 0.00 | 60.48 | 68.20 | 7.72 |
| 11550.00 | 67.43 | PK | V | 39.00 | 6.61 | 37.42 | 69.60 | 74.00 | 4.40 |
| 11550.00 | 50.21 | AV | V | 39.00 | 6.61 | 37.42 | 52.38 | 54.00 | 1.62 |
| 17325.00 | 60.66 | PK | V | 42.09 | 8.80 | 38.54 | 66.99 | 74.00 | 7.01 |
| 17325.00 | 43.45 | AV | V | 42.09 | 8.80 | 38.54 | 49.78 | 54.00 | 4.22 |
| 8966.00 | 46.45 | PK | V | 37.68 | 5.47 | 36.94 | 46.64 | 74.00 | 27.36 |
| 8966.00 | 32.28 | AV | V | 37.68 | 5.47 | 36.94 | 32.47 | 54.00 | 21.53 |

**Radio 1, 5725-5850MHz, Non-beamforming 4TX**

802.11a Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 75.28 | PK | H | 34.20 | 3.69 | 0.00 | 107.15 | N/A | N/A |
| 5745.00 | 65.98 | AV | H | 34.20 | 3.69 | 0.00 | 97.85 | N/A | N/A |
| 5745.00 | 83.39 | PK | V | 34.20 | 3.69 | 0.00 | 115.26 | N/A | N/A |
| 5745.00 | 72.92 | AV | V | 34.20 | 3.69 | 0.00 | 104.79 | N/A | N/A |
| 5725.00 | 36.35 | PK | V | 34.19 | 3.69 | 0.00 | 68.21 | 122.20 | 53.99 |
| 5720.00 | 27.63 | PK | V | 34.19 | 3.69 | 0.00 | 59.49 | 110.80 | 51.31 |
| 5700.00 | 25.33 | PK | V | 34.18 | 3.68 | 0.00 | 57.17 | 105.20 | 48.03 |
| 5650.00 | 25.62 | PK | V | 34.16 | 3.63 | 0.00 | 57.39 | 68.20 | 10.81 |
| 11490.00 | 67.32 | PK | V | 38.99 | 6.59 | 37.35 | 69.53 | 74.00 | 4.47 |
| 11490.00 | 50.45 | AV | V | 38.99 | 6.59 | 37.35 | 52.66 | 54.00 | 1.34 |
| 17235.00 | 60.85 | PK | V | 41.56 | 8.78 | 38.61 | 66.56 | 74.00 | 7.44 |
| 17235.00 | 43.11 | AV | V | 41.56 | 8.78 | 38.61 | 48.82 | 54.00 | 5.18 |
| 8966.00 | 46.52 | PK | V | 37.68 | 5.47 | 36.94 | 46.71 | 74.00 | 27.29 |
| 8966.00 | 32.46 | AV | V | 37.68 | 5.47 | 36.94 | 32.65 | 54.00 | 21.35 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 75.79 | PK | H | 34.21 | 3.71 | 0.00 | 107.69 | N/A | N/A |
| 5785.00 | 65.32 | AV | H | 34.21 | 3.71 | 0.00 | 97.22 | N/A | N/A |
| 5785.00 | 83.31 | PK | V | 34.21 | 3.71 | 0.00 | 115.21 | N/A | N/A |
| 5785.00 | 72.92 | AV | V | 34.21 | 3.71 | 0.00 | 104.82 | N/A | N/A |
| 11570.00 | 67.14 | PK | V | 39.00 | 6.61 | 37.44 | 69.29 | 74.00 | 4.71 |
| 11570.00 | 50.22 | AV | V | 39.00 | 6.61 | 37.44 | 52.37 | 54.00 | 1.63 |
| 17355.00 | 60.57 | PK | V | 42.26 | 8.81 | 38.52 | 67.10 | 74.00 | 6.90 |
| 17355.00 | 43.08 | AV | V | 42.26 | 8.81 | 38.52 | 49.61 | 54.00 | 4.39 |
| 9855.00 | 46.24 | PK | V | 38.04 | 5.97 | 36.72 | 47.51 | 74.00 | 26.49 |
| 9855.00 | 32.03 | AV | V | 38.04 | 5.97 | 36.72 | 33.30 | 54.00 | 20.70 |
| 9677.00 | 45.34 | PK | V | 37.97 | 5.86 | 36.67 | 46.48 | 74.00 | 27.52 |
| 9677.00 | 31.84 | AV | V | 37.97 | 5.86 | 36.67 | 32.98 | 54.00 | 21.02 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 75.6 | PK | H | 34.23 | 3.73 | 0.00 | 107.54 | N/A | N/A |
| 5825.00 | 65.05 | AV | H | 34.23 | 3.73 | 0.00 | 96.99 | N/A | N/A |
| 5825.00 | 85.4 | PK | V | 34.23 | 3.73 | 0.00 | 117.34 | N/A | N/A |
| 5825.00 | 74.67 | AV | V | 34.23 | 3.73 | 0.00 | 106.61 | N/A | N/A |
| 5850.00 | 30.75 | PK | V | 34.24 | 3.75 | 0.00 | 62.72 | 122.20 | 59.48 |
| 5855.00 | 28.21 | PK | V | 34.24 | 3.75 | 0.00 | 60.18 | 110.80 | 50.62 |
| 5875.00 | 25.48 | PK | V | 34.25 | 3.77 | 0.00 | 57.48 | 105.20 | 47.72 |
| 5925.00 | 25.29 | PK | V | 34.27 | 3.80 | 0.00 | 57.34 | 68.20 | 10.86 |
| 11650.00 | 66.95 | PK | V | 39.00 | 6.64 | 37.53 | 69.04 | 74.00 | 4.96 |
| 11650.00 | 50.41 | AV | V | 39.00 | 6.64 | 37.53 | 52.50 | 54.00 | 1.50 |
| 17475.00 | 60.84 | PK | V | 42.96 | 8.84 | 38.44 | 68.18 | 74.00 | 5.82 |
| 17475.00 | 43.65 | AV | V | 42.96 | 8.84 | 38.44 | 50.99 | 54.00 | 3.01 |
| 8966.00 | 46.76 | PK | V | 37.68 | 5.47 | 36.94 | 46.95 | 74.00 | 27.05 |
| 8966.00 | 32.12 | AV | V | 37.68 | 5.47 | 36.94 | 32.31 | 54.00 | 21.69 |

802.11n ht20 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 75.06 | PK | H | 34.20 | 3.69 | 0.00 | 106.93 | N/A | N/A |
| 5745.00 | 65.01 | AV | H | 34.20 | 3.69 | 0.00 | 96.88 | N/A | N/A |
| 5745.00 | 83.81 | PK | V | 34.20 | 3.69 | 0.00 | 115.68 | N/A | N/A |
| 5745.00 | 73.39 | AV | V | 34.20 | 3.69 | 0.00 | 105.26 | N/A | N/A |
| 5725.00 | 32.68 | PK | V | 34.19 | 3.69 | 0.00 | 64.54 | 122.20 | 57.66 |
| 5720.00 | 28.59 | PK | V | 34.19 | 3.69 | 0.00 | 60.45 | 110.80 | 50.35 |
| 5700.00 | 25.62 | PK | V | 34.18 | 3.68 | 0.00 | 57.46 | 105.20 | 47.74 |
| 5650.00 | 25.53 | PK | V | 34.16 | 3.63 | 0.00 | 57.30 | 68.20 | 10.90 |
| 11490.00 | 67.59 | PK | V | 38.99 | 6.59 | 37.35 | 69.80 | 74.00 | 4.20 |
| 11490.00 | 50.33 | AV | V | 38.99 | 6.59 | 37.35 | 52.54 | 54.00 | 1.46 |
| 17235.00 | 61.22 | PK | V | 41.56 | 8.78 | 38.61 | 66.93 | 74.00 | 7.07 |
| 17235.00 | 43.34 | AV | V | 41.56 | 8.78 | 38.61 | 49.05 | 54.00 | 4.95 |
| 8966.00 | 46.76 | PK | V | 37.68 | 5.47 | 36.94 | 46.95 | 74.00 | 27.05 |
| 8966.00 | 32.45 | AV | V | 37.68 | 5.47 | 36.94 | 32.64 | 54.00 | 21.36 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 74.62 | PK | H | 34.21 | 3.71 | 0.00 | 106.52 | N/A | N/A |
| 5785.00 | 64.47 | AV | H | 34.21 | 3.71 | 0.00 | 96.37 | N/A | N/A |
| 5785.00 | 83.58 | PK | V | 34.21 | 3.71 | 0.00 | 115.48 | N/A | N/A |
| 5785.00 | 73.95 | AV | V | 34.21 | 3.71 | 0.00 | 105.85 | N/A | N/A |
| 11570.00 | 67.85 | PK | V | 39.00 | 6.61 | 37.44 | 70.00 | 74.00 | 4.00 |
| 11570.00 | 50.11 | AV | V | 39.00 | 6.61 | 37.44 | 52.26 | 54.00 | 1.74 |
| 17355.00 | 61.02 | PK | V | 42.26 | 8.81 | 38.52 | 67.55 | 74.00 | 6.45 |
| 17355.00 | 43.43 | AV | V | 42.26 | 8.81 | 38.52 | 49.96 | 54.00 | 4.04 |
| 9855.00 | 46.69 | PK | V | 38.04 | 5.97 | 36.72 | 47.96 | 74.00 | 26.04 |
| 9855.00 | 32.63 | AV | V | 38.04 | 5.97 | 36.72 | 33.90 | 54.00 | 20.10 |
| 9677.00 | 45.62 | PK | V | 37.97 | 5.86 | 36.67 | 46.76 | 74.00 | 27.24 |
| 9677.00 | 31.72 | AV | V | 37.97 | 5.86 | 36.67 | 32.86 | 54.00 | 21.14 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 74.57 | PK | H | 34.23 | 3.73 | 0.00 | 106.51 | N/A | N/A |
| 5825.00 | 64.28 | AV | H | 34.23 | 3.73 | 0.00 | 96.22 | N/A | N/A |
| 5825.00 | 83.41 | PK | V | 34.23 | 3.73 | 0.00 | 115.35 | N/A | N/A |
| 5825.00 | 72.84 | AV | V | 34.23 | 3.73 | 0.00 | 104.78 | N/A | N/A |
| 5850.00 | 30.97 | PK | V | 34.24 | 3.75 | 0.00 | 62.94 | 122.20 | 59.26 |
| 5855.00 | 28.09 | PK | V | 34.24 | 3.75 | 0.00 | 60.06 | 110.80 | 50.74 |
| 5875.00 | 25.55 | PK | V | 34.25 | 3.77 | 0.00 | 57.55 | 105.20 | 47.65 |
| 5925.00 | 25.14 | PK | V | 34.27 | 3.80 | 0.00 | 57.19 | 68.20 | 11.01 |
| 11650.00 | 67.16 | PK | V | 39.00 | 6.64 | 37.53 | 69.25 | 74.00 | 4.75 |
| 11650.00 | 49.99 | AV | V | 39.00 | 6.64 | 37.53 | 52.08 | 54.00 | 1.92 |
| 17475.00 | 60.64 | PK | V | 42.96 | 8.84 | 38.44 | 67.98 | 74.00 | 6.02 |
| 17475.00 | 43.21 | AV | V | 42.96 | 8.84 | 38.44 | 50.55 | 54.00 | 3.45 |
| 8966.00 | 46.94 | PK | V | 37.68 | 5.47 | 36.94 | 47.13 | 74.00 | 26.87 |
| 8966.00 | 31.55 | AV | V | 37.68 | 5.47 | 36.94 | 31.74 | 54.00 | 22.26 |

802.11 ac20 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 75.19 | PK | H | 34.20 | 3.69 | 0.00 | 107.06 | N/A | N/A |
| 5745.00 | 65.22 | AV | H | 34.20 | 3.69 | 0.00 | 97.09 | N/A | N/A |
| 5745.00 | 84.03 | PK | V | 34.20 | 3.69 | 0.00 | 115.90 | N/A | N/A |
| 5745.00 | 73.21 | AV | V | 34.20 | 3.69 | 0.00 | 105.08 | N/A | N/A |
| 5725.00 | 32.98 | PK | V | 34.19 | 3.69 | 0.00 | 64.84 | 122.20 | 57.36 |
| 5720.00 | 28.29 | PK | V | 34.19 | 3.69 | 0.00 | 60.15 | 110.80 | 50.65 |
| 5700.00 | 25.32 | PK | V | 34.18 | 3.68 | 0.00 | 57.16 | 105.20 | 48.04 |
| 5650.00 | 25.44 | PK | V | 34.16 | 3.63 | 0.00 | 57.21 | 68.20 | 10.99 |
| 11490.00 | 67.66 | PK | V | 38.99 | 6.59 | 37.35 | 69.87 | 74.00 | 4.13 |
| 11490.00 | 50.49 | AV | V | 38.99 | 6.59 | 37.35 | 52.70 | 54.00 | 1.30 |
| 17235.00 | 61.02 | PK | V | 41.56 | 8.78 | 38.61 | 66.73 | 74.00 | 7.27 |
| 17235.00 | 43.51 | AV | V | 41.56 | 8.78 | 38.61 | 49.22 | 54.00 | 4.78 |
| 8966.00 | 46.53 | PK | V | 37.68 | 5.47 | 36.94 | 46.72 | 74.00 | 27.28 |
| 8966.00 | 32.48 | AV | V | 37.68 | 5.47 | 36.94 | 32.67 | 54.00 | 21.33 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 74.48 | PK | H | 34.21 | 3.71 | 0.00 | 106.38 | N/A | N/A |
| 5785.00 | 64.73 | AV | H | 34.21 | 3.71 | 0.00 | 96.63 | N/A | N/A |
| 5785.00 | 83.77 | PK | V | 34.21 | 3.71 | 0.00 | 115.67 | N/A | N/A |
| 5785.00 | 74.11 | AV | V | 34.21 | 3.71 | 0.00 | 106.01 | N/A | N/A |
| 11570.00 | 68.05 | PK | V | 39.00 | 6.61 | 37.44 | 70.20 | 74.00 | 3.80 |
| 11570.00 | 50.14 | AV | V | 39.00 | 6.61 | 37.44 | 52.29 | 54.00 | 1.71 |
| 17355.00 | 61.23 | PK | V | 42.26 | 8.81 | 38.52 | 67.76 | 74.00 | 6.24 |
| 17355.00 | 43.72 | AV | V | 42.26 | 8.81 | 38.52 | 50.25 | 54.00 | 3.75 |
| 9855.00 | 46.91 | PK | V | 38.04 | 5.97 | 36.72 | 48.18 | 74.00 | 25.82 |
| 9855.00 | 32.81 | AV | V | 38.04 | 5.97 | 36.72 | 34.08 | 54.00 | 19.92 |
| 9677.00 | 45.64 | PK | V | 37.97 | 5.86 | 36.67 | 46.78 | 74.00 | 27.22 |
| 9677.00 | 31.81 | AV | V | 37.97 | 5.86 | 36.67 | 32.95 | 54.00 | 21.05 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 74.71 | PK | H | 34.23 | 3.73 | 0.00 | 106.65 | N/A | N/A |
| 5825.00 | 64.55 | AV | H | 34.23 | 3.73 | 0.00 | 96.49 | N/A | N/A |
| 5825.00 | 83.68 | PK | V | 34.23 | 3.73 | 0.00 | 115.62 | N/A | N/A |
| 5825.00 | 73.09 | AV | V | 34.23 | 3.73 | 0.00 | 105.03 | N/A | N/A |
| 5850.00 | 30.79 | PK | V | 34.24 | 3.75 | 0.00 | 62.76 | 122.20 | 59.44 |
| 5855.00 | 27.68 | PK | V | 34.24 | 3.75 | 0.00 | 59.65 | 110.80 | 51.15 |
| 5875.00 | 25.76 | PK | V | 34.25 | 3.77 | 0.00 | 57.76 | 105.20 | 47.44 |
| 5925.00 | 25.01 | PK | V | 34.27 | 3.80 | 0.00 | 57.06 | 68.20 | 11.14 |
| 11650.00 | 67.16 | PK | V | 39.00 | 6.64 | 37.53 | 69.25 | 74.00 | 4.75 |
| 11650.00 | 49.89 | AV | V | 39.00 | 6.64 | 37.53 | 51.98 | 54.00 | 2.02 |
| 17475.00 | 60.53 | PK | V | 42.96 | 8.84 | 38.44 | 67.87 | 74.00 | 6.13 |
| 17475.00 | 43.38 | AV | V | 42.96 | 8.84 | 38.44 | 50.72 | 54.00 | 3.28 |
| 8966.00 | 46.79 | PK | V | 37.68 | 5.47 | 36.94 | 46.98 | 74.00 | 27.02 |
| 8966.00 | 31.68 | AV | V | 37.68 | 5.47 | 36.94 | 31.87 | 54.00 | 22.13 |

802.11 n ht40 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 71.78 | PK | H | 34.20 | 3.70 | 0.00 | 103.66 | N/A | N/A |
| 5755.00 | 61.53 | AV | H | 34.20 | 3.70 | 0.00 | 93.41 | N/A | N/A |
| 5755.00 | 80.69 | PK | V | 34.20 | 3.70 | 0.00 | 112.57 | N/A | N/A |
| 5755.00 | 70.81 | AV | V | 34.20 | 3.70 | 0.00 | 102.69 | N/A | N/A |
| 5725.00 | 45.52 | PK | V | 34.19 | 3.69 | 0.00 | 77.38 | 122.20 | 44.82 |
| 5720.00 | 37.78 | PK | V | 34.19 | 3.69 | 0.00 | 69.64 | 110.80 | 41.16 |
| 5700.00 | 28.35 | PK | V | 34.18 | 3.68 | 0.00 | 60.19 | 105.20 | 45.01 |
| 5650.00 | 26.79 | PK | V | 34.16 | 3.63 | 0.00 | 58.56 | 68.20 | 9.64 |
| 11510.00 | 67.37 | PK | V | 39.00 | 6.59 | 37.37 | 69.57 | 74.00 | 4.43 |
| 11510.00 | 50.12 | AV | V | 39.00 | 6.59 | 37.37 | 52.32 | 54.00 | 1.68 |
| 17265.00 | 60.51 | PK | V | 41.74 | 8.79 | 38.58 | 66.44 | 74.00 | 7.56 |
| 17265.00 | 43.6 | AV | V | 41.74 | 8.79 | 38.58 | 49.53 | 54.00 | 4.47 |
| 8966.00 | 46.18 | PK | V | 37.68 | 5.47 | 36.94 | 46.37 | 74.00 | 27.63 |
| 8966.00 | 32.44 | AV | V | 37.68 | 5.47 | 36.94 | 32.63 | 54.00 | 21.37 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 71.35 | PK | H | 34.22 | 3.71 | 0.00 | 103.26 | N/A | N/A |
| 5795.00 | 61.29 | AV | H | 34.22 | 3.71 | 0.00 | 93.20 | N/A | N/A |
| 5795.00 | 78.94 | PK | V | 34.22 | 3.71 | 0.00 | 110.85 | N/A | N/A |
| 5795.00 | 68.79 | AV | V | 34.22 | 3.71 | 0.00 | 100.70 | N/A | N/A |
| 5850.00 | 29.47 | PK | V | 34.24 | 3.75 | 0.00 | 61.44 | 122.20 | 60.76 |
| 5855.00 | 28.53 | PK | V | 34.24 | 3.75 | 0.00 | 60.50 | 110.80 | 50.30 |
| 5875.00 | 27.69 | PK | V | 34.25 | 3.77 | 0.00 | 59.69 | 105.20 | 45.51 |
| 5925.00 | 27.53 | PK | V | 34.27 | 3.80 | 0.00 | 59.58 | 68.20 | 8.62 |
| 11590.00 | 67.06 | PK | V | 39.00 | 6.62 | 37.46 | 69.20 | 74.00 | 4.80 |
| 11590.00 | 50.45 | AV | V | 39.00 | 6.62 | 37.46 | 52.59 | 54.00 | 1.41 |
| 17385.00 | 60.72 | PK | V | 42.43 | 8.82 | 38.50 | 67.45 | 74.00 | 6.55 |
| 17385.00 | 43.32 | AV | V | 42.43 | 8.82 | 38.50 | 50.05 | 54.00 | 3.95 |
| 8966.00 | 46.84 | PK | V | 37.68 | 5.47 | 36.94 | 47.03 | 74.00 | 26.97 |
| 8966.00 | 32.45 | AV | V | 37.68 | 5.47 | 36.94 | 32.64 | 54.00 | 21.36 |

802.11 ac40 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 71.6 | PK | H | 34.20 | 3.70 | 0.00 | 103.48 | N/A | N/A |
| 5755.00 | 61.34 | AV | H | 34.20 | 3.70 | 0.00 | 93.22 | N/A | N/A |
| 5755.00 | 80.82 | PK | V | 34.20 | 3.70 | 0.00 | 112.70 | N/A | N/A |
| 5755.00 | 70.78 | AV | V | 34.20 | 3.70 | 0.00 | 102.66 | N/A | N/A |
| 5725.00 | 45.82 | PK | V | 34.19 | 3.69 | 0.00 | 77.68 | 122.20 | 44.52 |
| 5720.00 | 37.83 | PK | V | 34.19 | 3.69 | 0.00 | 69.69 | 110.80 | 41.11 |
| 5700.00 | 28.22 | PK | V | 34.18 | 3.68 | 0.00 | 60.06 | 105.20 | 45.14 |
| 5650.00 | 26.89 | PK | V | 34.16 | 3.63 | 0.00 | 58.66 | 68.20 | 9.54 |
| 11510.00 | 67.57 | PK | V | 39.00 | 6.59 | 37.37 | 69.77 | 74.00 | 4.23 |
| 11510.00 | 50.3 | AV | V | 39.00 | 6.59 | 37.37 | 52.50 | 54.00 | 1.50 |
| 17265.00 | 60.37 | PK | V | 41.74 | 8.79 | 38.58 | 66.30 | 74.00 | 7.70 |
| 17265.00 | 43.75 | AV | V | 41.74 | 8.79 | 38.58 | 49.68 | 54.00 | 4.32 |
| 8966.00 | 46.23 | PK | V | 37.68 | 5.47 | 36.94 | 46.42 | 74.00 | 27.58 |
| 8966.00 | 32.18 | AV | V | 37.68 | 5.47 | 36.94 | 32.37 | 54.00 | 21.63 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 71.57 | PK | H | 34.22 | 3.71 | 0.00 | 103.48 | N/A | N/A |
| 5795.00 | 61.34 | AV | H | 34.22 | 3.71 | 0.00 | 93.25 | N/A | N/A |
| 5795.00 | 78.73 | PK | V | 34.22 | 3.71 | 0.00 | 110.64 | N/A | N/A |
| 5795.00 | 68.78 | AV | V | 34.22 | 3.71 | 0.00 | 100.69 | N/A | N/A |
| 5850.00 | 29.29 | PK | V | 34.24 | 3.75 | 0.00 | 61.26 | 122.20 | 60.94 |
| 5855.00 | 28.78 | PK | V | 34.24 | 3.75 | 0.00 | 60.75 | 110.80 | 50.05 |
| 5875.00 | 27.63 | PK | V | 34.25 | 3.77 | 0.00 | 59.63 | 105.20 | 45.57 |
| 5925.00 | 27.78 | PK | V | 34.27 | 3.80 | 0.00 | 59.83 | 68.20 | 8.37 |
| 11590.00 | 67.12 | PK | V | 39.00 | 6.62 | 37.46 | 69.26 | 74.00 | 4.74 |
| 11590.00 | 50.29 | AV | V | 39.00 | 6.62 | 37.46 | 52.43 | 54.00 | 1.57 |
| 17385.00 | 60.73 | PK | V | 42.43 | 8.82 | 38.50 | 67.46 | 74.00 | 6.54 |
| 17385.00 | 43.42 | AV | V | 42.43 | 8.82 | 38.50 | 50.15 | 54.00 | 3.85 |
| 8966.00 | 46.69 | PK | V | 37.68 | 5.47 | 36.94 | 46.88 | 74.00 | 27.12 |
| 8966.00 | 32.37 | AV | V | 37.68 | 5.47 | 36.94 | 32.56 | 54.00 | 21.44 |

802.11 ac80 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5755 MHz | | | | | | | | | |
| 5775.00 | 68.76 | PK | H | 34.21 | 3.70 | 0.00 | 100.65 | N/A | N/A |
| 5775.00 | 58.64 | AV | H | 34.21 | 3.70 | 0.00 | 90.53 | N/A | N/A |
| 5775.00 | 76.98 | PK | V | 34.21 | 3.70 | 0.00 | 108.87 | N/A | N/A |
| 5775.00 | 66.72 | AV | V | 34.21 | 3.70 | 0.00 | 98.61 | N/A | N/A |
| 5725.00 | 40.88 | PK | V | 34.19 | 3.69 | 0.00 | 72.74 | 122.20 | 49.46 |
| 5720.00 | 36.68 | PK | V | 34.19 | 3.69 | 0.00 | 68.54 | 110.80 | 42.26 |
| 5700.00 | 32.08 | PK | V | 34.18 | 3.68 | 0.00 | 63.92 | 105.20 | 41.28 |
| 5650.00 | 27.42 | PK | V | 34.16 | 3.63 | 0.00 | 59.19 | 68.20 | 9.01 |
| 5850.00 | 40.97 | PK | V | 34.24 | 3.75 | 0.00 | 72.94 | 122.20 | 49.26 |
| 5855.00 | 37.38 | PK | V | 34.24 | 3.75 | 0.00 | 69.35 | 110.80 | 41.45 |
| 5875.00 | 34.67 | PK | V | 34.25 | 3.77 | 0.00 | 66.67 | 105.20 | 38.53 |
| 5925.00 | 28.48 | PK | V | 34.27 | 3.80 | 0.00 | 60.53 | 68.20 | 7.67 |
| 11550.00 | 67.79 | PK | V | 39.00 | 6.61 | 37.42 | 69.96 | 74.00 | 4.04 |
| 11550.00 | 50.39 | AV | V | 39.00 | 6.61 | 37.42 | 52.56 | 54.00 | 1.44 |
| 17325.00 | 60.72 | PK | V | 42.09 | 8.80 | 38.54 | 67.05 | 74.00 | 6.95 |
| 17325.00 | 43.53 | AV | V | 42.09 | 8.80 | 38.54 | 49.86 | 54.00 | 4.14 |
| 8966.00 | 46.38 | PK | V | 37.68 | 5.47 | 36.94 | 46.57 | 74.00 | 27.43 |
| 8966.00 | 32.48 | AV | V | 37.68 | 5.47 | 36.94 | 32.67 | 54.00 | 21.33 |

**Radio 1, 5725-5850MHz, Beamforming 2TX**

802.11a Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 73.74 | PK | H | 34.20 | 3.69 | 0.00 | 105.61 | N/A | N/A |
| 5745.00 | 63.92 | AV | H | 34.20 | 3.69 | 0.00 | 95.79 | N/A | N/A |
| 5745.00 | 80.74 | PK | V | 34.20 | 3.69 | 0.00 | 112.61 | N/A | N/A |
| 5745.00 | 70.57 | AV | V | 34.20 | 3.69 | 0.00 | 102.44 | N/A | N/A |
| 5725.00 | 36.28 | PK | V | 34.19 | 3.69 | 0.00 | 68.14 | 122.20 | 54.06 |
| 5720.00 | 31.46 | PK | V | 34.19 | 3.69 | 0.00 | 63.32 | 110.80 | 47.48 |
| 5700.00 | 28.29 | PK | V | 34.18 | 3.68 | 0.00 | 60.13 | 105.20 | 45.07 |
| 5650.00 | 26.28 | PK | V | 34.16 | 3.63 | 0.00 | 58.05 | 68.20 | 10.15 |
| 11490.00 | 67.29 | PK | V | 38.99 | 6.59 | 37.35 | 69.50 | 74.00 | 4.50 |
| 11490.00 | 50.16 | AV | V | 38.99 | 6.59 | 37.35 | 52.37 | 54.00 | 1.63 |
| 17235.00 | 60.16 | PK | V | 41.56 | 8.78 | 38.61 | 65.87 | 74.00 | 8.13 |
| 17235.00 | 44.06 | AV | V | 41.56 | 8.78 | 38.61 | 49.77 | 54.00 | 4.23 |
| 8966.00 | 46.35 | PK | V | 37.68 | 5.47 | 36.94 | 46.54 | 74.00 | 27.46 |
| 8966.00 | 33.02 | AV | V | 37.68 | 5.47 | 36.94 | 33.21 | 54.00 | 20.79 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 73.08 | PK | H | 34.21 | 3.71 | 0.00 | 104.98 | N/A | N/A |
| 5785.00 | 63.17 | AV | H | 34.21 | 3.71 | 0.00 | 95.07 | N/A | N/A |
| 5785.00 | 80.14 | PK | V | 34.21 | 3.71 | 0.00 | 112.04 | N/A | N/A |
| 5785.00 | 70.25 | AV | V | 34.21 | 3.71 | 0.00 | 102.15 | N/A | N/A |
| 11570.00 | 67.71 | PK | V | 39.00 | 6.61 | 37.44 | 69.86 | 74.00 | 4.14 |
| 11570.00 | 49.73 | AV | V | 39.00 | 6.61 | 37.44 | 51.88 | 54.00 | 2.12 |
| 17355.00 | 60.13 | PK | V | 42.26 | 8.81 | 38.52 | 66.66 | 74.00 | 7.34 |
| 17355.00 | 44.05 | AV | V | 42.26 | 8.81 | 38.52 | 50.58 | 54.00 | 3.42 |
| 9855.00 | 46.28 | PK | V | 38.04 | 5.97 | 36.72 | 47.55 | 74.00 | 26.45 |
| 9855.00 | 32.54 | AV | V | 38.04 | 5.97 | 36.72 | 33.81 | 54.00 | 20.19 |
| 9677.00 | 45.64 | PK | V | 37.97 | 5.86 | 36.67 | 46.78 | 74.00 | 27.22 |
| 9677.00 | 31.67 | AV | V | 37.97 | 5.86 | 36.67 | 32.81 | 54.00 | 21.19 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 73.19 | PK | H | 34.23 | 3.73 | 0.00 | 105.13 | N/A | N/A |
| 5825.00 | 63.07 | AV | H | 34.23 | 3.73 | 0.00 | 95.01 | N/A | N/A |
| 5825.00 | 80.53 | PK | V | 34.23 | 3.73 | 0.00 | 112.47 | N/A | N/A |
| 5825.00 | 70.61 | AV | V | 34.23 | 3.73 | 0.00 | 102.55 | N/A | N/A |
| 5850.00 | 34.49 | PK | V | 34.24 | 3.75 | 0.00 | 66.46 | 122.20 | 55.74 |
| 5855.00 | 31.64 | PK | V | 34.24 | 3.75 | 0.00 | 63.61 | 110.80 | 47.19 |
| 5875.00 | 27.31 | PK | V | 34.25 | 3.77 | 0.00 | 59.31 | 105.20 | 45.89 |
| 5925.00 | 26.36 | PK | V | 34.27 | 3.80 | 0.00 | 58.41 | 68.20 | 9.79 |
| 11650.00 | 67.92 | PK | V | 39.00 | 6.64 | 37.53 | 70.01 | 74.00 | 3.99 |
| 11650.00 | 50.12 | AV | V | 39.00 | 6.64 | 37.53 | 52.21 | 54.00 | 1.79 |
| 17475.00 | 60.14 | PK | V | 42.96 | 8.84 | 38.44 | 67.48 | 74.00 | 6.52 |
| 17475.00 | 43.95 | AV | V | 42.96 | 8.84 | 38.44 | 51.29 | 54.00 | 2.71 |
| 8966.00 | 46.62 | PK | V | 37.68 | 5.47 | 36.94 | 46.81 | 74.00 | 27.19 |
| 8966.00 | 33.06 | AV | V | 37.68 | 5.47 | 36.94 | 33.25 | 54.00 | 20.75 |

802.11n ht20 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 74.34 | PK | H | 34.20 | 3.69 | 0.00 | 106.21 | N/A | N/A |
| 5745.00 | 64.27 | AV | H | 34.20 | 3.69 | 0.00 | 96.14 | N/A | N/A |
| 5745.00 | 80.51 | PK | V | 34.20 | 3.69 | 0.00 | 112.38 | N/A | N/A |
| 5745.00 | 70.82 | AV | V | 34.20 | 3.69 | 0.00 | 102.69 | N/A | N/A |
| 5725.00 | 38.11 | PK | V | 34.19 | 3.69 | 0.00 | 69.97 | 122.20 | 52.23 |
| 5720.00 | 35.65 | PK | V | 34.19 | 3.69 | 0.00 | 67.51 | 110.80 | 43.29 |
| 5700.00 | 26.28 | PK | V | 34.18 | 3.68 | 0.00 | 58.12 | 105.20 | 47.08 |
| 5650.00 | 25.67 | PK | V | 34.16 | 3.63 | 0.00 | 57.44 | 68.20 | 10.76 |
| 11490.00 | 67.82 | PK | V | 38.99 | 6.59 | 37.35 | 70.03 | 74.00 | 3.97 |
| 11490.00 | 50.01 | AV | V | 38.99 | 6.59 | 37.35 | 52.22 | 54.00 | 1.78 |
| 17235.00 | 59.99 | PK | V | 41.56 | 8.78 | 38.61 | 65.70 | 74.00 | 8.30 |
| 17235.00 | 43.76 | AV | V | 41.56 | 8.78 | 38.61 | 49.47 | 54.00 | 4.53 |
| 8966.00 | 45.99 | PK | V | 37.68 | 5.47 | 36.94 | 46.18 | 74.00 | 27.82 |
| 8966.00 | 32.77 | AV | V | 37.68 | 5.47 | 36.94 | 32.96 | 54.00 | 21.04 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 74.36 | PK | H | 34.21 | 3.71 | 0.00 | 106.26 | N/A | N/A |
| 5785.00 | 62.53 | AV | H | 34.21 | 3.71 | 0.00 | 94.43 | N/A | N/A |
| 5785.00 | 80.54 | PK | V | 34.21 | 3.71 | 0.00 | 112.44 | N/A | N/A |
| 5785.00 | 70.69 | AV | V | 34.21 | 3.71 | 0.00 | 102.59 | N/A | N/A |
| 11570.00 | 67.95 | PK | V | 39.00 | 6.61 | 37.44 | 70.10 | 74.00 | 3.90 |
| 11570.00 | 50.17 | AV | V | 39.00 | 6.61 | 37.44 | 52.32 | 54.00 | 1.68 |
| 17355.00 | 60.55 | PK | V | 42.26 | 8.81 | 38.52 | 67.08 | 74.00 | 6.92 |
| 17355.00 | 44.06 | AV | V | 42.26 | 8.81 | 38.52 | 50.59 | 54.00 | 3.41 |
| 9855.00 | 46.21 | PK | V | 38.04 | 5.97 | 36.72 | 47.48 | 74.00 | 26.52 |
| 9855.00 | 32.44 | AV | V | 38.04 | 5.97 | 36.72 | 33.71 | 54.00 | 20.29 |
| 9677.00 | 45.28 | PK | V | 37.97 | 5.86 | 36.67 | 46.42 | 74.00 | 27.58 |
| 9677.00 | 31.74 | AV | V | 37.97 | 5.86 | 36.67 | 32.88 | 54.00 | 21.12 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 74.04 | PK | H | 34.23 | 3.73 | 0.00 | 105.98 | N/A | N/A |
| 5825.00 | 63.93 | AV | H | 34.23 | 3.73 | 0.00 | 95.87 | N/A | N/A |
| 5825.00 | 80.13 | PK | V | 34.23 | 3.73 | 0.00 | 112.07 | N/A | N/A |
| 5825.00 | 69.96 | AV | V | 34.23 | 3.73 | 0.00 | 101.90 | N/A | N/A |
| 5850.00 | 34.71 | PK | V | 34.24 | 3.75 | 0.00 | 66.68 | 122.20 | 55.52 |
| 5855.00 | 30.63 | PK | V | 34.24 | 3.75 | 0.00 | 62.60 | 110.80 | 48.20 |
| 5875.00 | 27.47 | PK | V | 34.25 | 3.77 | 0.00 | 59.47 | 105.20 | 45.73 |
| 5925.00 | 26.12 | PK | V | 34.27 | 3.80 | 0.00 | 58.17 | 68.20 | 10.03 |
| 11650.00 | 67.55 | PK | V | 39.00 | 6.64 | 37.53 | 69.64 | 74.00 | 4.36 |
| 11650.00 | 49.92 | AV | V | 39.00 | 6.64 | 37.53 | 52.01 | 54.00 | 1.99 |
| 17475.00 | 60.14 | PK | V | 42.96 | 8.84 | 38.44 | 67.48 | 74.00 | 6.52 |
| 17475.00 | 43.76 | AV | V | 42.96 | 8.84 | 38.44 | 51.10 | 54.00 | 2.90 |
| 8966.00 | 46.32 | PK | V | 37.68 | 5.47 | 36.94 | 46.51 | 74.00 | 27.49 |
| 8966.00 | 32.85 | AV | V | 37.68 | 5.47 | 36.94 | 33.04 | 54.00 | 20.96 |

802.11 ac20 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 74.43 | PK | H | 34.20 | 3.69 | 0.00 | 106.30 | N/A | N/A |
| 5745.00 | 64.59 | AV | H | 34.20 | 3.69 | 0.00 | 96.46 | N/A | N/A |
| 5745.00 | 80.59 | PK | V | 34.20 | 3.69 | 0.00 | 112.46 | N/A | N/A |
| 5745.00 | 70.67 | AV | V | 34.20 | 3.69 | 0.00 | 102.54 | N/A | N/A |
| 5725.00 | 38.03 | PK | V | 34.19 | 3.69 | 0.00 | 69.89 | 122.20 | 52.31 |
| 5720.00 | 35.86 | PK | V | 34.19 | 3.69 | 0.00 | 67.72 | 110.80 | 43.08 |
| 5700.00 | 26.43 | PK | V | 34.18 | 3.68 | 0.00 | 58.27 | 105.20 | 46.93 |
| 5650.00 | 25.67 | PK | V | 34.16 | 3.63 | 0.00 | 57.44 | 68.20 | 10.76 |
| 11490.00 | 67.46 | PK | V | 38.99 | 6.59 | 37.35 | 69.67 | 74.00 | 4.33 |
| 11490.00 | 49.72 | AV | V | 38.99 | 6.59 | 37.35 | 51.93 | 54.00 | 2.07 |
| 17235.00 | 60.12 | PK | V | 41.56 | 8.78 | 38.61 | 65.83 | 74.00 | 8.17 |
| 17235.00 | 43.41 | AV | V | 41.56 | 8.78 | 38.61 | 49.12 | 54.00 | 4.88 |
| 8966.00 | 46.06 | PK | V | 37.68 | 5.47 | 36.94 | 46.25 | 74.00 | 27.75 |
| 8966.00 | 32.55 | AV | V | 37.68 | 5.47 | 36.94 | 32.74 | 54.00 | 21.26 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 74.3 | PK | H | 34.21 | 3.71 | 0.00 | 106.20 | N/A | N/A |
| 5785.00 | 62.29 | AV | H | 34.21 | 3.71 | 0.00 | 94.19 | N/A | N/A |
| 5785.00 | 80.65 | PK | V | 34.21 | 3.71 | 0.00 | 112.55 | N/A | N/A |
| 5785.00 | 70.35 | AV | V | 34.21 | 3.71 | 0.00 | 102.25 | N/A | N/A |
| 11570.00 | 67.95 | PK | V | 39.00 | 6.61 | 37.44 | 70.10 | 74.00 | 3.90 |
| 11570.00 | 50.28 | AV | V | 39.00 | 6.61 | 37.44 | 52.43 | 54.00 | 1.57 |
| 17355.00 | 60.54 | PK | V | 42.26 | 8.81 | 38.52 | 67.07 | 74.00 | 6.93 |
| 17355.00 | 44.01 | AV | V | 42.26 | 8.81 | 38.52 | 50.54 | 54.00 | 3.46 |
| 9855.00 | 46.52 | PK | V | 38.04 | 5.97 | 36.72 | 47.79 | 74.00 | 26.21 |
| 9855.00 | 32.78 | AV | V | 38.04 | 5.97 | 36.72 | 34.05 | 54.00 | 19.95 |
| 9677.00 | 45.37 | PK | V | 37.97 | 5.86 | 36.67 | 46.51 | 74.00 | 27.49 |
| 9677.00 | 31.64 | AV | V | 37.97 | 5.86 | 36.67 | 32.78 | 54.00 | 21.22 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 74.15 | PK | H | 34.23 | 3.73 | 0.00 | 106.09 | N/A | N/A |
| 5825.00 | 64.17 | AV | H | 34.23 | 3.73 | 0.00 | 96.11 | N/A | N/A |
| 5825.00 | 80.25 | PK | V | 34.23 | 3.73 | 0.00 | 112.19 | N/A | N/A |
| 5825.00 | 70.21 | AV | V | 34.23 | 3.73 | 0.00 | 102.15 | N/A | N/A |
| 5850.00 | 34.75 | PK | V | 34.24 | 3.75 | 0.00 | 66.72 | 122.20 | 55.48 |
| 5855.00 | 30.79 | PK | V | 34.24 | 3.75 | 0.00 | 62.76 | 110.80 | 48.04 |
| 5875.00 | 27.69 | PK | V | 34.25 | 3.77 | 0.00 | 59.69 | 105.20 | 45.51 |
| 5925.00 | 26.23 | PK | V | 34.27 | 3.80 | 0.00 | 58.28 | 68.20 | 9.92 |
| 11650.00 | 67.65 | PK | V | 39.00 | 6.64 | 37.53 | 69.74 | 74.00 | 4.26 |
| 11650.00 | 49.83 | AV | V | 39.00 | 6.64 | 37.53 | 51.92 | 54.00 | 2.08 |
| 17475.00 | 59.99 | PK | V | 42.96 | 8.84 | 38.44 | 67.33 | 74.00 | 6.67 |
| 17475.00 | 43.92 | AV | V | 42.96 | 8.84 | 38.44 | 51.26 | 54.00 | 2.74 |
| 8966.00 | 45.98 | PK | V | 37.68 | 5.47 | 36.94 | 46.17 | 74.00 | 27.83 |
| 8966.00 | 32.88 | AV | V | 37.68 | 5.47 | 36.94 | 33.07 | 54.00 | 20.93 |

802.11 n ht40 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 73.72 | PK | H | 34.20 | 3.70 | 0.00 | 105.60 | N/A | N/A |
| 5755.00 | 63.85 | AV | H | 34.20 | 3.70 | 0.00 | 95.73 | N/A | N/A |
| 5755.00 | 80.72 | PK | V | 34.20 | 3.70 | 0.00 | 112.60 | N/A | N/A |
| 5755.00 | 70.79 | AV | V | 34.20 | 3.70 | 0.00 | 102.67 | N/A | N/A |
| 5725.00 | 51.26 | PK | V | 34.19 | 3.69 | 0.00 | 83.12 | 122.20 | 39.08 |
| 5720.00 | 41.42 | PK | V | 34.19 | 3.69 | 0.00 | 73.28 | 110.80 | 37.52 |
| 5700.00 | 29.44 | PK | V | 34.18 | 3.68 | 0.00 | 61.28 | 105.20 | 43.92 |
| 5650.00 | 26.4 | PK | V | 34.16 | 3.63 | 0.00 | 58.17 | 68.20 | 10.03 |
| 11510.00 | 67.71 | PK | V | 39.00 | 6.59 | 37.37 | 69.91 | 74.00 | 4.09 |
| 11510.00 | 49.78 | AV | V | 39.00 | 6.59 | 37.37 | 51.98 | 54.00 | 2.02 |
| 17265.00 | 60.42 | PK | V | 41.74 | 8.79 | 38.58 | 66.35 | 74.00 | 7.65 |
| 17265.00 | 43.82 | AV | V | 41.74 | 8.79 | 38.58 | 49.75 | 54.00 | 4.25 |
| 8966.00 | 46.02 | PK | V | 37.68 | 5.47 | 36.94 | 46.21 | 74.00 | 27.79 |
| 8966.00 | 32.55 | AV | V | 37.68 | 5.47 | 36.94 | 32.74 | 54.00 | 21.26 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 73.59 | PK | H | 34.22 | 3.71 | 0.00 | 105.50 | N/A | N/A |
| 5795.00 | 63.59 | AV | H | 34.22 | 3.71 | 0.00 | 95.50 | N/A | N/A |
| 5795.00 | 80.03 | PK | V | 34.22 | 3.71 | 0.00 | 111.94 | N/A | N/A |
| 5795.00 | 70.39 | AV | V | 34.22 | 3.71 | 0.00 | 102.30 | N/A | N/A |
| 5850.00 | 28.61 | PK | V | 34.24 | 3.75 | 0.00 | 60.58 | 122.20 | 61.62 |
| 5855.00 | 27.15 | PK | V | 34.24 | 3.75 | 0.00 | 59.12 | 110.80 | 51.68 |
| 5875.00 | 26.29 | PK | V | 34.25 | 3.77 | 0.00 | 58.29 | 105.20 | 46.91 |
| 5925.00 | 25.48 | PK | V | 34.27 | 3.80 | 0.00 | 57.53 | 68.20 | 10.67 |
| 11590.00 | 67.57 | PK | V | 39.00 | 6.62 | 37.46 | 69.71 | 74.00 | 4.29 |
| 11590.00 | 50.03 | AV | V | 39.00 | 6.62 | 37.46 | 52.17 | 54.00 | 1.83 |
| 17385.00 | 60.44 | PK | V | 42.43 | 8.82 | 38.50 | 67.17 | 74.00 | 6.83 |
| 17385.00 | 43.43 | AV | V | 42.43 | 8.82 | 38.50 | 50.16 | 54.00 | 3.84 |
| 8966.00 | 46.26 | PK | V | 37.68 | 5.47 | 36.94 | 46.45 | 74.00 | 27.55 |
| 8966.00 | 32.65 | AV | V | 37.68 | 5.47 | 36.94 | 32.84 | 54.00 | 21.16 |

802.11 ac40 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 72.28 | PK | H | 34.20 | 3.70 | 0.00 | 104.16 | N/A | N/A |
| 5755.00 | 61.89 | AV | H | 34.20 | 3.70 | 0.00 | 93.77 | N/A | N/A |
| 5755.00 | 78.92 | PK | V | 34.20 | 3.70 | 0.00 | 110.80 | N/A | N/A |
| 5755.00 | 68.58 | AV | V | 34.20 | 3.70 | 0.00 | 100.46 | N/A | N/A |
| 5725.00 | 51.36 | PK | V | 34.19 | 3.69 | 0.00 | 83.22 | 122.20 | 38.98 |
| 5720.00 | 41.31 | PK | V | 34.19 | 3.69 | 0.00 | 73.17 | 110.80 | 37.63 |
| 5700.00 | 29.14 | PK | V | 34.18 | 3.68 | 0.00 | 60.98 | 105.20 | 44.22 |
| 5650.00 | 26.28 | PK | V | 34.16 | 3.63 | 0.00 | 58.05 | 68.20 | 10.15 |
| 11510.00 | 67.91 | PK | V | 39.00 | 6.59 | 37.37 | 70.11 | 74.00 | 3.89 |
| 11510.00 | 49.49 | AV | V | 39.00 | 6.59 | 37.37 | 51.69 | 54.00 | 2.31 |
| 17265.00 | 60.32 | PK | V | 41.74 | 8.79 | 38.58 | 66.25 | 74.00 | 7.75 |
| 17265.00 | 43.56 | AV | V | 41.74 | 8.79 | 38.58 | 49.49 | 54.00 | 4.51 |
| 8966.00 | 46.22 | PK | V | 37.68 | 5.47 | 36.94 | 46.41 | 74.00 | 27.59 |
| 8966.00 | 32.58 | AV | V | 37.68 | 5.47 | 36.94 | 32.77 | 54.00 | 21.23 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 71.77 | PK | H | 34.22 | 3.71 | 0.00 | 103.68 | N/A | N/A |
| 5795.00 | 61.65 | AV | H | 34.22 | 3.71 | 0.00 | 93.56 | N/A | N/A |
| 5795.00 | 78.07 | PK | V | 34.22 | 3.71 | 0.00 | 109.98 | N/A | N/A |
| 5795.00 | 67.36 | AV | V | 34.22 | 3.71 | 0.00 | 99.27 | N/A | N/A |
| 5850.00 | 28.71 | PK | V | 34.24 | 3.75 | 0.00 | 60.68 | 122.20 | 61.52 |
| 5855.00 | 27.11 | PK | V | 34.24 | 3.75 | 0.00 | 59.08 | 110.80 | 51.72 |
| 5875.00 | 26.41 | PK | V | 34.25 | 3.77 | 0.00 | 58.41 | 105.20 | 46.79 |
| 5925.00 | 25.17 | PK | V | 34.27 | 3.80 | 0.00 | 57.22 | 68.20 | 10.98 |
| 11590.00 | 67.49 | PK | V | 39.00 | 6.62 | 37.46 | 69.63 | 74.00 | 4.37 |
| 11590.00 | 50.08 | AV | V | 39.00 | 6.62 | 37.46 | 52.22 | 54.00 | 1.78 |
| 17385.00 | 60.95 | PK | V | 42.43 | 8.82 | 38.50 | 67.68 | 74.00 | 6.32 |
| 17385.00 | 43.29 | AV | V | 42.43 | 8.82 | 38.50 | 50.02 | 54.00 | 3.98 |
| 8966.00 | 46.26 | PK | V | 37.68 | 5.47 | 36.94 | 46.45 | 74.00 | 27.55 |
| 8966.00 | 32.54 | AV | V | 37.68 | 5.47 | 36.94 | 32.73 | 54.00 | 21.27 |

802.11 ac80 Mode (Chain 0 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5755 MHz | | | | | | | | | |
| 5775.00 | 68.46 | PK | H | 34.21 | 3.70 | 0.00 | 100.35 | N/A | N/A |
| 5775.00 | 58.68 | AV | H | 34.21 | 3.70 | 0.00 | 90.57 | N/A | N/A |
| 5775.00 | 74.01 | PK | V | 34.21 | 3.70 | 0.00 | 105.90 | N/A | N/A |
| 5775.00 | 63.72 | AV | V | 34.21 | 3.70 | 0.00 | 95.61 | N/A | N/A |
| 5725.00 | 43.83 | PK | V | 34.19 | 3.69 | 0.00 | 75.69 | 122.20 | 46.51 |
| 5720.00 | 41.56 | PK | V | 34.19 | 3.69 | 0.00 | 73.42 | 110.80 | 37.38 |
| 5700.00 | 29.35 | PK | V | 34.18 | 3.68 | 0.00 | 61.19 | 105.20 | 44.01 |
| 5650.00 | 27.57 | PK | V | 34.16 | 3.63 | 0.00 | 59.34 | 68.20 | 8.86 |
| 5850.00 | 40.01 | PK | V | 34.24 | 3.75 | 0.00 | 71.98 | 122.20 | 50.22 |
| 5855.00 | 37.48 | PK | V | 34.24 | 3.75 | 0.00 | 69.45 | 110.80 | 41.35 |
| 5875.00 | 29.54 | PK | V | 34.25 | 3.77 | 0.00 | 61.54 | 105.20 | 43.66 |
| 5925.00 | 27.48 | PK | V | 34.27 | 3.80 | 0.00 | 59.53 | 68.20 | 8.67 |
| 11550.00 | 53.27 | PK | V | 39.00 | 6.61 | 37.42 | 55.44 | 74.00 | 18.56 |
| 11550.00 | 43.76 | AV | V | 39.00 | 6.61 | 37.42 | 45.93 | 54.00 | 8.07 |
| 17325.00 | 52.77 | PK | V | 42.09 | 8.80 | 38.54 | 59.10 | 74.00 | 14.90 |
| 17325.00 | 42.11 | AV | V | 42.09 | 8.80 | 38.54 | 48.44 | 54.00 | 5.56 |
| 8966.00 | 46.91 | PK | V | 37.68 | 5.47 | 36.94 | 47.10 | 74.00 | 26.90 |
| 8966.00 | 32.51 | AV | V | 37.68 | 5.47 | 36.94 | 32.70 | 54.00 | 21.30 |

**Radio 1, 5725-5850MHz, Beamforming 3TX**

802.11a Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 72.66 | PK | H | 34.20 | 3.69 | 0.00 | 104.53 | N/A | N/A |
| 5745.00 | 61.95 | AV | H | 34.20 | 3.69 | 0.00 | 93.82 | N/A | N/A |
| 5745.00 | 80.44 | PK | V | 34.20 | 3.69 | 0.00 | 112.31 | N/A | N/A |
| 5745.00 | 70.27 | AV | V | 34.20 | 3.69 | 0.00 | 102.14 | N/A | N/A |
| 5725.00 | 36.39 | PK | V | 34.19 | 3.69 | 0.00 | 68.25 | 122.20 | 53.95 |
| 5720.00 | 27.66 | PK | V | 34.19 | 3.69 | 0.00 | 59.52 | 110.80 | 51.28 |
| 5700.00 | 25.65 | PK | V | 34.18 | 3.68 | 0.00 | 57.49 | 105.20 | 47.71 |
| 5650.00 | 25.61 | PK | V | 34.16 | 3.63 | 0.00 | 57.38 | 68.20 | 10.82 |
| 11490.00 | 67.74 | PK | V | 38.99 | 6.59 | 37.35 | 69.95 | 74.00 | 4.05 |
| 11490.00 | 50.18 | AV | V | 38.99 | 6.59 | 37.35 | 52.39 | 54.00 | 1.61 |
| 17235.00 | 60.95 | PK | V | 41.56 | 8.78 | 38.61 | 66.66 | 74.00 | 7.34 |
| 17235.00 | 43.32 | AV | V | 41.56 | 8.78 | 38.61 | 49.03 | 54.00 | 4.97 |
| 8975.00 | 46.63 | PK | V | 37.69 | 5.47 | 36.94 | 46.83 | 74.00 | 27.17 |
| 8975.00 | 32.47 | AV | V | 37.69 | 5.47 | 36.94 | 32.67 | 54.00 | 21.33 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 72.58 | PK | H | 34.21 | 3.71 | 0.00 | 104.48 | N/A | N/A |
| 5785.00 | 62.35 | AV | H | 34.21 | 3.71 | 0.00 | 94.25 | N/A | N/A |
| 5785.00 | 80.24 | PK | V | 34.21 | 3.71 | 0.00 | 112.14 | N/A | N/A |
| 5785.00 | 70.21 | AV | V | 34.21 | 3.71 | 0.00 | 102.11 | N/A | N/A |
| 11570.00 | 67.52 | PK | V | 39.00 | 6.61 | 37.44 | 69.67 | 74.00 | 4.33 |
| 11570.00 | 50.46 | AV | V | 39.00 | 6.61 | 37.44 | 52.61 | 54.00 | 1.39 |
| 17355.00 | 61.12 | PK | V | 42.26 | 8.81 | 38.52 | 67.65 | 74.00 | 6.35 |
| 17355.00 | 43.15 | AV | V | 42.26 | 8.81 | 38.52 | 49.68 | 54.00 | 4.32 |
| 9855.00 | 46.33 | PK | V | 38.04 | 5.97 | 36.72 | 47.60 | 74.00 | 26.40 |
| 9855.00 | 32.12 | AV | V | 38.04 | 5.97 | 36.72 | 33.39 | 54.00 | 20.61 |
| 9645.00 | 45.74 | PK | V | 37.96 | 5.84 | 36.66 | 46.86 | 74.00 | 27.14 |
| 9645.00 | 31.95 | AV | V | 37.96 | 5.84 | 36.66 | 33.07 | 54.00 | 20.93 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 72.23 | PK | H | 34.23 | 3.73 | 0.00 | 104.17 | N/A | N/A |
| 5825.00 | 62.31 | AV | H | 34.23 | 3.73 | 0.00 | 94.25 | N/A | N/A |
| 5825.00 | 80.18 | PK | V | 34.23 | 3.73 | 0.00 | 112.12 | N/A | N/A |
| 5825.00 | 69.74 | AV | V | 34.23 | 3.73 | 0.00 | 101.68 | N/A | N/A |
| 5850.00 | 30.59 | PK | V | 34.24 | 3.75 | 0.00 | 62.56 | 122.20 | 59.64 |
| 5855.00 | 27.83 | PK | V | 34.24 | 3.75 | 0.00 | 59.80 | 110.80 | 51.00 |
| 5875.00 | 25.67 | PK | V | 34.25 | 3.77 | 0.00 | 57.67 | 105.20 | 47.53 |
| 5925.00 | 25.29 | PK | V | 34.27 | 3.80 | 0.00 | 57.34 | 68.20 | 10.86 |
| 11650.00 | 67.22 | PK | V | 39.00 | 6.64 | 37.53 | 69.31 | 74.00 | 4.69 |
| 11650.00 | 50.38 | AV | V | 39.00 | 6.64 | 37.53 | 52.47 | 54.00 | 1.53 |
| 17475.00 | 60.81 | PK | V | 42.96 | 8.84 | 38.44 | 68.15 | 74.00 | 5.85 |
| 17475.00 | 43.64 | AV | V | 42.96 | 8.84 | 38.44 | 50.98 | 54.00 | 3.02 |
| 8935.00 | 46.75 | PK | V | 37.66 | 5.45 | 36.95 | 46.89 | 74.00 | 27.11 |
| 8935.00 | 32.11 | AV | V | 37.66 | 5.45 | 36.95 | 32.25 | 54.00 | 21.75 |

802.11n ht20 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 72.72 | PK | H | 34.20 | 3.69 | 0.00 | 104.59 | N/A | N/A |
| 5745.00 | 63.35 | AV | H | 34.20 | 3.69 | 0.00 | 95.22 | N/A | N/A |
| 5745.00 | 81.77 | PK | V | 34.20 | 3.69 | 0.00 | 113.64 | N/A | N/A |
| 5745.00 | 71.72 | AV | V | 34.20 | 3.69 | 0.00 | 103.59 | N/A | N/A |
| 5725.00 | 32.85 | PK | V | 34.19 | 3.69 | 0.00 | 64.71 | 122.20 | 57.49 |
| 5720.00 | 28.26 | PK | V | 34.19 | 3.69 | 0.00 | 60.12 | 110.80 | 50.68 |
| 5700.00 | 25.84 | PK | V | 34.18 | 3.68 | 0.00 | 57.68 | 105.20 | 47.52 |
| 5650.00 | 25.33 | PK | V | 34.16 | 3.63 | 0.00 | 57.10 | 68.20 | 11.10 |
| 11490.00 | 67.56 | PK | V | 38.99 | 6.59 | 37.35 | 69.77 | 74.00 | 4.23 |
| 11490.00 | 49.95 | AV | V | 38.99 | 6.59 | 37.35 | 52.16 | 54.00 | 1.84 |
| 17235.00 | 60.89 | PK | V | 41.56 | 8.78 | 38.61 | 66.60 | 74.00 | 7.40 |
| 17235.00 | 43.42 | AV | V | 41.56 | 8.78 | 38.61 | 49.13 | 54.00 | 4.87 |
| 8966.00 | 46.43 | PK | V | 37.68 | 5.47 | 36.94 | 46.62 | 74.00 | 27.38 |
| 8966.00 | 32.38 | AV | V | 37.68 | 5.47 | 36.94 | 32.57 | 54.00 | 21.43 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 72.81 | PK | H | 34.21 | 3.71 | 0.00 | 104.71 | N/A | N/A |
| 5785.00 | 62.68 | AV | H | 34.21 | 3.71 | 0.00 | 94.58 | N/A | N/A |
| 5785.00 | 81.54 | PK | V | 34.21 | 3.71 | 0.00 | 113.44 | N/A | N/A |
| 5785.00 | 70.77 | AV | V | 34.21 | 3.71 | 0.00 | 102.67 | N/A | N/A |
| 11570.00 | 67.69 | PK | V | 39.00 | 6.61 | 37.44 | 69.84 | 74.00 | 4.16 |
| 11570.00 | 50.52 | AV | V | 39.00 | 6.61 | 37.44 | 52.67 | 54.00 | 1.33 |
| 17355.00 | 61.23 | PK | V | 42.26 | 8.81 | 38.52 | 67.76 | 74.00 | 6.24 |
| 17355.00 | 43.48 | AV | V | 42.26 | 8.81 | 38.52 | 50.01 | 54.00 | 3.99 |
| 9855.00 | 46.47 | PK | V | 38.04 | 5.97 | 36.72 | 47.74 | 74.00 | 26.26 |
| 9855.00 | 32.53 | AV | V | 38.04 | 5.97 | 36.72 | 33.80 | 54.00 | 20.20 |
| 9677.00 | 45.48 | PK | V | 37.97 | 5.86 | 36.67 | 46.62 | 74.00 | 27.38 |
| 9677.00 | 31.56 | AV | V | 37.97 | 5.86 | 36.67 | 32.70 | 54.00 | 21.30 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 72.59 | PK | H | 34.23 | 3.73 | 0.00 | 104.53 | N/A | N/A |
| 5825.00 | 62.28 | AV | H | 34.23 | 3.73 | 0.00 | 94.22 | N/A | N/A |
| 5825.00 | 80.59 | PK | V | 34.23 | 3.73 | 0.00 | 112.53 | N/A | N/A |
| 5825.00 | 70.65 | AV | V | 34.23 | 3.73 | 0.00 | 102.59 | N/A | N/A |
| 5850.00 | 31.08 | PK | V | 34.24 | 3.75 | 0.00 | 63.05 | 122.20 | 59.15 |
| 5855.00 | 28.03 | PK | V | 34.24 | 3.75 | 0.00 | 60.00 | 110.80 | 50.80 |
| 5875.00 | 25.29 | PK | V | 34.25 | 3.77 | 0.00 | 57.29 | 105.20 | 47.91 |
| 5925.00 | 25.22 | PK | V | 34.27 | 3.80 | 0.00 | 57.27 | 68.20 | 10.93 |
| 11650.00 | 67.05 | PK | V | 39.00 | 6.64 | 37.53 | 69.14 | 74.00 | 4.86 |
| 11650.00 | 50.29 | AV | V | 39.00 | 6.64 | 37.53 | 52.38 | 54.00 | 1.62 |
| 17475.00 | 60.79 | PK | V | 42.96 | 8.84 | 38.44 | 68.13 | 74.00 | 5.87 |
| 17475.00 | 43.21 | AV | V | 42.96 | 8.84 | 38.44 | 50.55 | 54.00 | 3.45 |
| 8966.00 | 46.78 | PK | V | 37.68 | 5.47 | 36.94 | 46.97 | 74.00 | 27.03 |
| 8966.00 | 31.59 | AV | V | 37.68 | 5.47 | 36.94 | 31.78 | 54.00 | 22.22 |

802.11 ac20 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 72.94 | PK | H | 34.20 | 3.69 | 0.00 | 104.81 | N/A | N/A |
| 5745.00 | 60.28 | AV | H | 34.20 | 3.69 | 0.00 | 92.15 | N/A | N/A |
| 5745.00 | 82.25 | PK | V | 34.20 | 3.69 | 0.00 | 114.12 | N/A | N/A |
| 5745.00 | 71.61 | AV | V | 34.20 | 3.69 | 0.00 | 103.48 | N/A | N/A |
| 5725.00 | 32.86 | PK | V | 34.19 | 3.69 | 0.00 | 64.72 | 122.20 | 57.48 |
| 5720.00 | 28.52 | PK | V | 34.19 | 3.69 | 0.00 | 60.38 | 110.80 | 50.42 |
| 5700.00 | 25.54 | PK | V | 34.18 | 3.68 | 0.00 | 57.38 | 105.20 | 47.82 |
| 5650.00 | 25.17 | PK | V | 34.16 | 3.63 | 0.00 | 56.94 | 68.20 | 11.26 |
| 11490.00 | 67.72 | PK | V | 38.99 | 6.59 | 37.35 | 69.93 | 74.00 | 4.07 |
| 11490.00 | 50.51 | AV | V | 38.99 | 6.59 | 37.35 | 52.72 | 54.00 | 1.28 |
| 17235.00 | 60.97 | PK | V | 41.56 | 8.78 | 38.61 | 66.68 | 74.00 | 7.32 |
| 17235.00 | 43.04 | AV | V | 41.56 | 8.78 | 38.61 | 48.75 | 54.00 | 5.25 |
| 8966.00 | 46.89 | PK | V | 37.68 | 5.47 | 36.94 | 47.08 | 74.00 | 26.92 |
| 8966.00 | 32.13 | AV | V | 37.68 | 5.47 | 36.94 | 32.32 | 54.00 | 21.68 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 73.17 | PK | H | 34.21 | 3.71 | 0.00 | 105.07 | N/A | N/A |
| 5785.00 | 62.76 | AV | H | 34.21 | 3.71 | 0.00 | 94.66 | N/A | N/A |
| 5785.00 | 81.38 | PK | V | 34.21 | 3.71 | 0.00 | 113.28 | N/A | N/A |
| 5785.00 | 70.89 | AV | V | 34.21 | 3.71 | 0.00 | 102.79 | N/A | N/A |
| 11570.00 | 67.76 | PK | V | 39.00 | 6.61 | 37.44 | 69.91 | 74.00 | 4.09 |
| 11570.00 | 50.68 | AV | V | 39.00 | 6.61 | 37.44 | 52.83 | 54.00 | 1.17 |
| 17355.00 | 61.46 | PK | V | 42.26 | 8.81 | 38.52 | 67.99 | 74.00 | 6.01 |
| 17355.00 | 43.34 | AV | V | 42.26 | 8.81 | 38.52 | 49.87 | 54.00 | 4.13 |
| 9855.00 | 46.28 | PK | V | 38.04 | 5.97 | 36.72 | 47.55 | 74.00 | 26.45 |
| 9855.00 | 32.54 | AV | V | 38.04 | 5.97 | 36.72 | 33.81 | 54.00 | 20.19 |
| 9677.00 | 45.57 | PK | V | 37.97 | 5.86 | 36.67 | 46.71 | 74.00 | 27.29 |
| 9677.00 | 31.65 | AV | V | 37.97 | 5.86 | 36.67 | 32.79 | 54.00 | 21.21 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 72.86 | PK | H | 34.23 | 3.73 | 0.00 | 104.80 | N/A | N/A |
| 5825.00 | 62.43 | AV | H | 34.23 | 3.73 | 0.00 | 94.37 | N/A | N/A |
| 5825.00 | 80.64 | PK | V | 34.23 | 3.73 | 0.00 | 112.58 | N/A | N/A |
| 5825.00 | 69.64 | AV | V | 34.23 | 3.73 | 0.00 | 101.58 | N/A | N/A |
| 5850.00 | 31.55 | PK | V | 34.24 | 3.75 | 0.00 | 63.52 | 122.20 | 58.68 |
| 5855.00 | 28.34 | PK | V | 34.24 | 3.75 | 0.00 | 60.31 | 110.80 | 50.49 |
| 5875.00 | 25.03 | PK | V | 34.25 | 3.77 | 0.00 | 57.03 | 105.20 | 48.17 |
| 5925.00 | 25.32 | PK | V | 34.27 | 3.80 | 0.00 | 57.37 | 68.20 | 10.83 |
| 11650.00 | 67.04 | PK | V | 39.00 | 6.64 | 37.53 | 69.13 | 74.00 | 4.87 |
| 11650.00 | 50.09 | AV | V | 39.00 | 6.64 | 37.53 | 52.18 | 54.00 | 1.82 |
| 17475.00 | 60.96 | PK | V | 42.96 | 8.84 | 38.44 | 68.30 | 74.00 | 5.70 |
| 17475.00 | 43.39 | AV | V | 42.96 | 8.84 | 38.44 | 50.73 | 54.00 | 3.27 |
| 8966.00 | 46.37 | PK | V | 37.68 | 5.47 | 36.94 | 46.56 | 74.00 | 27.44 |
| 8966.00 | 31.64 | AV | V | 37.68 | 5.47 | 36.94 | 31.83 | 54.00 | 22.17 |

802.11 n ht40 Mode (Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 69.95 | PK | H | 34.20 | 3.70 | 0.00 | 101.83 | N/A | N/A |
| 5755.00 | 59.28 | AV | H | 34.20 | 3.70 | 0.00 | 91.16 | N/A | N/A |
| 5755.00 | 78.57 | PK | V | 34.20 | 3.70 | 0.00 | 110.45 | N/A | N/A |
| 5755.00 | 68.43 | AV | V | 34.20 | 3.70 | 0.00 | 100.31 | N/A | N/A |
| 5725.00 | 45.93 | PK | V | 34.19 | 3.69 | 0.00 | 77.79 | 122.20 | 44.41 |
| 5720.00 | 37.81 | PK | V | 34.19 | 3.69 | 0.00 | 69.67 | 110.80 | 41.13 |
| 5700.00 | 28.16 | PK | V | 34.18 | 3.68 | 0.00 | 60.00 | 105.20 | 45.20 |
| 5650.00 | 26.66 | PK | V | 34.16 | 3.63 | 0.00 | 58.43 | 68.20 | 9.77 |
| 11510.00 | 67.48 | PK | V | 39.00 | 6.59 | 37.37 | 69.68 | 74.00 | 4.32 |
| 11510.00 | 50.24 | AV | V | 39.00 | 6.59 | 37.37 | 52.44 | 54.00 | 1.56 |
| 17265.00 | 60.57 | PK | V | 41.74 | 8.79 | 38.58 | 66.50 | 74.00 | 7.50 |
| 17265.00 | 43.25 | AV | V | 41.74 | 8.79 | 38.58 | 49.18 | 54.00 | 4.82 |
| 8966.00 | 46.29 | PK | V | 37.68 | 5.47 | 36.94 | 46.48 | 74.00 | 27.52 |
| 8966.00 | 32.43 | AV | V | 37.68 | 5.47 | 36.94 | 32.62 | 54.00 | 21.38 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 69.37 | PK | H | 34.22 | 3.71 | 0.00 | 101.28 | N/A | N/A |
| 5795.00 | 59.24 | AV | H | 34.22 | 3.71 | 0.00 | 91.15 | N/A | N/A |
| 5795.00 | 76.88 | PK | V | 34.22 | 3.71 | 0.00 | 108.79 | N/A | N/A |
| 5795.00 | 66.75 | AV | V | 34.22 | 3.71 | 0.00 | 98.66 | N/A | N/A |
| 5850.00 | 29.62 | PK | V | 34.24 | 3.75 | 0.00 | 61.59 | 122.20 | 60.61 |
| 5855.00 | 28.38 | PK | V | 34.24 | 3.75 | 0.00 | 60.35 | 110.80 | 50.45 |
| 5875.00 | 27.71 | PK | V | 34.25 | 3.77 | 0.00 | 59.71 | 105.20 | 45.49 |
| 5925.00 | 27.47 | PK | V | 34.27 | 3.80 | 0.00 | 59.52 | 68.20 | 8.68 |
| 11590.00 | 67.26 | PK | V | 39.00 | 6.62 | 37.46 | 69.40 | 74.00 | 4.60 |
| 11590.00 | 50.25 | AV | V | 39.00 | 6.62 | 37.46 | 52.39 | 54.00 | 1.61 |
| 17385.00 | 60.94 | PK | V | 42.43 | 8.82 | 38.50 | 67.67 | 74.00 | 6.33 |
| 17385.00 | 43.64 | AV | V | 42.43 | 8.82 | 38.50 | 50.37 | 54.00 | 3.63 |
| 8966.00 | 46.85 | PK | V | 37.68 | 5.47 | 36.94 | 47.04 | 74.00 | 26.96 |
| 8966.00 | 32.42 | AV | V | 37.68 | 5.47 | 36.94 | 32.61 | 54.00 | 21.39 |

802.11 ac40 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 70.01 | PK | H | 34.20 | 3.70 | 0.00 | 101.89 | N/A | N/A |
| 5755.00 | 59.39 | AV | H | 34.20 | 3.70 | 0.00 | 91.27 | N/A | N/A |
| 5755.00 | 78.44 | PK | V | 34.20 | 3.70 | 0.00 | 110.32 | N/A | N/A |
| 5755.00 | 68.82 | AV | V | 34.20 | 3.70 | 0.00 | 100.70 | N/A | N/A |
| 5725.00 | 45.59 | PK | V | 34.19 | 3.69 | 0.00 | 77.45 | 122.20 | 44.75 |
| 5720.00 | 37.66 | PK | V | 34.19 | 3.69 | 0.00 | 69.52 | 110.80 | 41.28 |
| 5700.00 | 28.28 | PK | V | 34.18 | 3.68 | 0.00 | 60.12 | 105.20 | 45.08 |
| 5650.00 | 26.64 | PK | V | 34.16 | 3.63 | 0.00 | 58.41 | 68.20 | 9.79 |
| 11510.00 | 67.66 | PK | V | 39.00 | 6.59 | 37.37 | 69.86 | 74.00 | 4.14 |
| 11510.00 | 49.84 | AV | V | 39.00 | 6.59 | 37.37 | 52.04 | 54.00 | 1.96 |
| 17265.00 | 60.48 | PK | V | 41.74 | 8.79 | 38.58 | 66.41 | 74.00 | 7.59 |
| 17265.00 | 43.68 | AV | V | 41.74 | 8.79 | 38.58 | 49.61 | 54.00 | 4.39 |
| 8966.00 | 46.28 | PK | V | 37.68 | 5.47 | 36.94 | 46.47 | 74.00 | 27.53 |
| 8966.00 | 32.46 | AV | V | 37.68 | 5.47 | 36.94 | 32.65 | 54.00 | 21.35 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 69.38 | PK | H | 34.22 | 3.71 | 0.00 | 101.29 | N/A | N/A |
| 5795.00 | 59.03 | AV | H | 34.22 | 3.71 | 0.00 | 90.94 | N/A | N/A |
| 5795.00 | 76.82 | PK | V | 34.22 | 3.71 | 0.00 | 108.73 | N/A | N/A |
| 5795.00 | 66.29 | AV | V | 34.22 | 3.71 | 0.00 | 98.20 | N/A | N/A |
| 5850.00 | 29.76 | PK | V | 34.24 | 3.75 | 0.00 | 61.73 | 122.20 | 60.47 |
| 5855.00 | 28.52 | PK | V | 34.24 | 3.75 | 0.00 | 60.49 | 110.80 | 50.31 |
| 5875.00 | 27.46 | PK | V | 34.25 | 3.77 | 0.00 | 59.46 | 105.20 | 45.74 |
| 5925.00 | 26.99 | PK | V | 34.27 | 3.80 | 0.00 | 59.04 | 68.20 | 9.16 |
| 11590.00 | 66.94 | PK | V | 39.00 | 6.62 | 37.46 | 69.08 | 74.00 | 4.92 |
| 11590.00 | 49.92 | AV | V | 39.00 | 6.62 | 37.46 | 52.06 | 54.00 | 1.94 |
| 17385.00 | 61.05 | PK | V | 42.43 | 8.82 | 38.50 | 67.78 | 74.00 | 6.22 |
| 17385.00 | 43.74 | AV | V | 42.43 | 8.82 | 38.50 | 50.47 | 54.00 | 3.53 |
| 8966.00 | 46.74 | PK | V | 37.68 | 5.47 | 36.94 | 46.93 | 74.00 | 27.07 |
| 8966.00 | 32.44 | AV | V | 37.68 | 5.47 | 36.94 | 32.63 | 54.00 | 21.37 |

802.11 ac80 Mode(Chain 0+1+2 was the worst)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5755 MHz | | | | | | | | | |
| 5775.00 | 68.74 | PK | H | 34.21 | 3.70 | 0.00 | 100.63 | N/A | N/A |
| 5775.00 | 58.75 | AV | H | 34.21 | 3.70 | 0.00 | 90.64 | N/A | N/A |
| 5775.00 | 75.61 | PK | V | 34.21 | 3.70 | 0.00 | 107.50 | N/A | N/A |
| 5775.00 | 65.56 | AV | V | 34.21 | 3.70 | 0.00 | 97.45 | N/A | N/A |
| 5725.00 | 40.68 | PK | V | 34.19 | 3.69 | 0.00 | 72.54 | 122.20 | 49.66 |
| 5720.00 | 40.53 | PK | V | 34.19 | 3.69 | 0.00 | 72.39 | 110.80 | 38.41 |
| 5700.00 | 40.13 | PK | V | 34.18 | 3.68 | 0.00 | 71.97 | 105.20 | 33.23 |
| 5650.00 | 27.56 | PK | V | 34.16 | 3.63 | 0.00 | 59.33 | 68.20 | 8.87 |
| 5850.00 | 40.64 | PK | V | 34.24 | 3.75 | 0.00 | 72.61 | 122.20 | 49.59 |
| 5855.00 | 37.3 | PK | V | 34.24 | 3.75 | 0.00 | 69.27 | 110.80 | 41.53 |
| 5875.00 | 34.91 | PK | V | 34.25 | 3.77 | 0.00 | 66.91 | 105.20 | 38.29 |
| 5925.00 | 28.29 | PK | V | 34.27 | 3.80 | 0.00 | 60.34 | 68.20 | 7.86 |
| 11550.00 | 67.63 | PK | V | 39.00 | 6.61 | 37.42 | 69.80 | 74.00 | 4.20 |
| 11550.00 | 50.48 | AV | V | 39.00 | 6.61 | 37.42 | 52.65 | 54.00 | 1.35 |
| 17325.00 | 60.69 | PK | V | 42.09 | 8.80 | 38.54 | 67.02 | 74.00 | 6.98 |
| 17325.00 | 43.46 | AV | V | 42.09 | 8.80 | 38.54 | 49.79 | 54.00 | 4.21 |
| 8966.00 | 46.47 | PK | V | 37.68 | 5.47 | 36.94 | 46.66 | 74.00 | 27.34 |
| 8966.00 | 32.32 | AV | V | 37.68 | 5.47 | 36.94 | 32.51 | 54.00 | 21.49 |

**Radio 1, 5725-5850MHz, Beamforming 4TX**

802.11a Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 75.21 | PK | H | 34.20 | 3.69 | 0.00 | 107.08 | N/A | N/A |
| 5745.00 | 65.68 | AV | H | 34.20 | 3.69 | 0.00 | 97.55 | N/A | N/A |
| 5745.00 | 83.55 | PK | V | 34.20 | 3.69 | 0.00 | 115.42 | N/A | N/A |
| 5745.00 | 73.02 | AV | V | 34.20 | 3.69 | 0.00 | 104.89 | N/A | N/A |
| 5725.00 | 36.41 | PK | V | 34.19 | 3.69 | 0.00 | 68.27 | 122.20 | 53.93 |
| 5720.00 | 27.82 | PK | V | 34.19 | 3.69 | 0.00 | 59.68 | 110.80 | 51.12 |
| 5700.00 | 25.46 | PK | V | 34.18 | 3.68 | 0.00 | 57.30 | 105.20 | 47.90 |
| 5650.00 | 25.48 | PK | V | 34.16 | 3.63 | 0.00 | 57.25 | 68.20 | 10.95 |
| 11490.00 | 67.36 | PK | V | 38.99 | 6.59 | 37.35 | 69.57 | 74.00 | 4.43 |
| 11490.00 | 50.37 | AV | V | 38.99 | 6.59 | 37.35 | 52.58 | 54.00 | 1.42 |
| 17235.00 | 60.89 | PK | V | 41.56 | 8.78 | 38.61 | 66.60 | 74.00 | 7.40 |
| 17235.00 | 42.95 | AV | V | 41.56 | 8.78 | 38.61 | 48.66 | 54.00 | 5.34 |
| 8966.00 | 46.39 | PK | V | 37.68 | 5.47 | 36.94 | 46.58 | 74.00 | 27.42 |
| 8966.00 | 32.65 | AV | V | 37.68 | 5.47 | 36.94 | 32.84 | 54.00 | 21.16 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 75.99 | PK | H | 34.21 | 3.71 | 0.00 | 107.89 | N/A | N/A |
| 5785.00 | 65.48 | AV | H | 34.21 | 3.71 | 0.00 | 97.38 | N/A | N/A |
| 5785.00 | 83.32 | PK | V | 34.21 | 3.71 | 0.00 | 115.22 | N/A | N/A |
| 5785.00 | 72.94 | AV | V | 34.21 | 3.71 | 0.00 | 104.84 | N/A | N/A |
| 11570.00 | 67.16 | PK | V | 39.00 | 6.61 | 37.44 | 69.31 | 74.00 | 4.69 |
| 11570.00 | 50.19 | AV | V | 39.00 | 6.61 | 37.44 | 52.34 | 54.00 | 1.66 |
| 17355.00 | 60.49 | PK | V | 42.26 | 8.81 | 38.52 | 67.02 | 74.00 | 6.98 |
| 17355.00 | 43.22 | AV | V | 42.26 | 8.81 | 38.52 | 49.75 | 54.00 | 4.25 |
| 9855.00 | 46.23 | PK | V | 38.04 | 5.97 | 36.72 | 47.50 | 74.00 | 26.50 |
| 9855.00 | 32.21 | AV | V | 38.04 | 5.97 | 36.72 | 33.48 | 54.00 | 20.52 |
| 9677.00 | 45.32 | PK | V | 37.97 | 5.86 | 36.67 | 46.46 | 74.00 | 27.54 |
| 9677.00 | 31.69 | AV | V | 37.97 | 5.86 | 36.67 | 32.83 | 54.00 | 21.17 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 75.47 | PK | H | 34.23 | 3.73 | 0.00 | 107.41 | N/A | N/A |
| 5825.00 | 65.09 | AV | H | 34.23 | 3.73 | 0.00 | 97.03 | N/A | N/A |
| 5825.00 | 85.54 | PK | V | 34.23 | 3.73 | 0.00 | 117.48 | N/A | N/A |
| 5825.00 | 74.72 | AV | V | 34.23 | 3.73 | 0.00 | 106.66 | N/A | N/A |
| 5850.00 | 30.56 | PK | V | 34.24 | 3.75 | 0.00 | 62.53 | 122.20 | 59.67 |
| 5855.00 | 28.04 | PK | V | 34.24 | 3.75 | 0.00 | 60.01 | 110.80 | 50.79 |
| 5875.00 | 25.48 | PK | V | 34.25 | 3.77 | 0.00 | 57.48 | 105.20 | 47.72 |
| 5925.00 | 25.24 | PK | V | 34.27 | 3.80 | 0.00 | 57.29 | 68.20 | 10.91 |
| 11650.00 | 66.94 | PK | V | 39.00 | 6.64 | 37.53 | 69.03 | 74.00 | 4.97 |
| 11650.00 | 50.37 | AV | V | 39.00 | 6.64 | 37.53 | 52.46 | 54.00 | 1.54 |
| 17475.00 | 60.91 | PK | V | 42.96 | 8.84 | 38.44 | 68.25 | 74.00 | 5.75 |
| 17475.00 | 43.56 | AV | V | 42.96 | 8.84 | 38.44 | 50.90 | 54.00 | 3.10 |
| 8966.00 | 46.92 | PK | V | 37.68 | 5.47 | 36.94 | 47.11 | 74.00 | 26.89 |
| 8966.00 | 32.15 | AV | V | 37.68 | 5.47 | 36.94 | 32.34 | 54.00 | 21.66 |

802.11n ht20 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 74.87 | PK | H | 34.20 | 3.69 | 0.00 | 106.74 | N/A | N/A |
| 5745.00 | 64.97 | AV | H | 34.20 | 3.69 | 0.00 | 96.84 | N/A | N/A |
| 5745.00 | 83.81 | PK | V | 34.20 | 3.69 | 0.00 | 115.68 | N/A | N/A |
| 5745.00 | 73.46 | AV | V | 34.20 | 3.69 | 0.00 | 105.33 | N/A | N/A |
| 5725.00 | 32.55 | PK | V | 34.19 | 3.69 | 0.00 | 64.41 | 122.20 | 57.79 |
| 5720.00 | 28.41 | PK | V | 34.19 | 3.69 | 0.00 | 60.27 | 110.80 | 50.53 |
| 5700.00 | 25.55 | PK | V | 34.18 | 3.68 | 0.00 | 57.39 | 105.20 | 47.81 |
| 5650.00 | 25.56 | PK | V | 34.16 | 3.63 | 0.00 | 57.33 | 68.20 | 10.87 |
| 11490.00 | 67.78 | PK | V | 38.99 | 6.59 | 37.35 | 69.99 | 74.00 | 4.01 |
| 11490.00 | 50.16 | AV | V | 38.99 | 6.59 | 37.35 | 52.37 | 54.00 | 1.63 |
| 17235.00 | 61.11 | PK | V | 41.56 | 8.78 | 38.61 | 66.82 | 74.00 | 7.18 |
| 17235.00 | 43.41 | AV | V | 41.56 | 8.78 | 38.61 | 49.12 | 54.00 | 4.88 |
| 8966.00 | 46.75 | PK | V | 37.68 | 5.47 | 36.94 | 46.94 | 74.00 | 27.06 |
| 8966.00 | 32.37 | AV | V | 37.68 | 5.47 | 36.94 | 32.56 | 54.00 | 21.44 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 74.43 | PK | H | 34.21 | 3.71 | 0.00 | 106.33 | N/A | N/A |
| 5785.00 | 64.47 | AV | H | 34.21 | 3.71 | 0.00 | 96.37 | N/A | N/A |
| 5785.00 | 83.57 | PK | V | 34.21 | 3.71 | 0.00 | 115.47 | N/A | N/A |
| 5785.00 | 74.07 | AV | V | 34.21 | 3.71 | 0.00 | 105.97 | N/A | N/A |
| 11570.00 | 67.81 | PK | V | 39.00 | 6.61 | 37.44 | 69.96 | 74.00 | 4.04 |
| 11570.00 | 50.13 | AV | V | 39.00 | 6.61 | 37.44 | 52.28 | 54.00 | 1.72 |
| 17355.00 | 60.92 | PK | V | 42.26 | 8.81 | 38.52 | 67.45 | 74.00 | 6.55 |
| 17355.00 | 43.27 | AV | V | 42.26 | 8.81 | 38.52 | 49.80 | 54.00 | 4.20 |
| 9855.00 | 46.73 | PK | V | 38.04 | 5.97 | 36.72 | 48.00 | 74.00 | 26.00 |
| 9855.00 | 32.43 | AV | V | 38.04 | 5.97 | 36.72 | 33.70 | 54.00 | 20.30 |
| 9677.00 | 45.79 | PK | V | 37.97 | 5.86 | 36.67 | 46.93 | 74.00 | 27.07 |
| 9677.00 | 31.66 | AV | V | 37.97 | 5.86 | 36.67 | 32.80 | 54.00 | 21.20 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 74.55 | PK | H | 34.23 | 3.73 | 0.00 | 106.49 | N/A | N/A |
| 5825.00 | 64.09 | AV | H | 34.23 | 3.73 | 0.00 | 96.03 | N/A | N/A |
| 5825.00 | 83.48 | PK | V | 34.23 | 3.73 | 0.00 | 115.42 | N/A | N/A |
| 5825.00 | 73.02 | AV | V | 34.23 | 3.73 | 0.00 | 104.96 | N/A | N/A |
| 5850.00 | 30.83 | PK | V | 34.24 | 3.75 | 0.00 | 62.80 | 122.20 | 59.40 |
| 5855.00 | 28.27 | PK | V | 34.24 | 3.75 | 0.00 | 60.24 | 110.80 | 50.56 |
| 5875.00 | 25.47 | PK | V | 34.25 | 3.77 | 0.00 | 57.47 | 105.20 | 47.73 |
| 5925.00 | 25.34 | PK | V | 34.27 | 3.80 | 0.00 | 57.39 | 68.20 | 10.81 |
| 11650.00 | 67.09 | PK | V | 39.00 | 6.64 | 37.53 | 69.18 | 74.00 | 4.82 |
| 11650.00 | 50.15 | AV | V | 39.00 | 6.64 | 37.53 | 52.24 | 54.00 | 1.76 |
| 17475.00 | 60.67 | PK | V | 42.96 | 8.84 | 38.44 | 68.01 | 74.00 | 5.99 |
| 17475.00 | 43.48 | AV | V | 42.96 | 8.84 | 38.44 | 50.82 | 54.00 | 3.18 |
| 8966.00 | 46.95 | PK | V | 37.68 | 5.47 | 36.94 | 47.14 | 74.00 | 26.86 |
| 8966.00 | 31.39 | AV | V | 37.68 | 5.47 | 36.94 | 31.58 | 54.00 | 22.42 |

802.11 ac20 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5745 MHz | | | | | | | | | |
| 5745.00 | 75.08 | PK | H | 34.20 | 3.69 | 0.00 | 106.95 | N/A | N/A |
| 5745.00 | 65.22 | AV | H | 34.20 | 3.69 | 0.00 | 97.09 | N/A | N/A |
| 5745.00 | 84.02 | PK | V | 34.20 | 3.69 | 0.00 | 115.89 | N/A | N/A |
| 5745.00 | 73.39 | AV | V | 34.20 | 3.69 | 0.00 | 105.26 | N/A | N/A |
| 5725.00 | 33.03 | PK | V | 34.19 | 3.69 | 0.00 | 64.89 | 122.20 | 57.31 |
| 5720.00 | 28.27 | PK | V | 34.19 | 3.69 | 0.00 | 60.13 | 110.80 | 50.67 |
| 5700.00 | 25.22 | PK | V | 34.18 | 3.68 | 0.00 | 57.06 | 105.20 | 48.14 |
| 5650.00 | 25.66 | PK | V | 34.16 | 3.63 | 0.00 | 57.43 | 68.20 | 10.77 |
| 11490.00 | 67.88 | PK | V | 38.99 | 6.59 | 37.35 | 70.09 | 74.00 | 3.91 |
| 11490.00 | 50.36 | AV | V | 38.99 | 6.59 | 37.35 | 52.57 | 54.00 | 1.43 |
| 17235.00 | 60.93 | PK | V | 41.56 | 8.78 | 38.61 | 66.64 | 74.00 | 7.36 |
| 17235.00 | 43.68 | AV | V | 41.56 | 8.78 | 38.61 | 49.39 | 54.00 | 4.61 |
| 8966.00 | 46.51 | PK | V | 37.68 | 5.47 | 36.94 | 46.70 | 74.00 | 27.30 |
| 8966.00 | 32.52 | AV | V | 37.68 | 5.47 | 36.94 | 32.71 | 54.00 | 21.29 |
| Middle Channel: 5785 MHz | | | | | | | | | |
| 5785.00 | 74.43 | PK | H | 34.21 | 3.71 | 0.00 | 106.33 | N/A | N/A |
| 5785.00 | 64.95 | AV | H | 34.21 | 3.71 | 0.00 | 96.85 | N/A | N/A |
| 5785.00 | 83.84 | PK | V | 34.21 | 3.71 | 0.00 | 115.74 | N/A | N/A |
| 5785.00 | 74.13 | AV | V | 34.21 | 3.71 | 0.00 | 106.03 | N/A | N/A |
| 11570.00 | 68.07 | PK | V | 39.00 | 6.61 | 37.44 | 70.22 | 74.00 | 3.78 |
| 11570.00 | 50.14 | AV | V | 39.00 | 6.61 | 37.44 | 52.29 | 54.00 | 1.71 |
| 17355.00 | 61.04 | PK | V | 42.26 | 8.81 | 38.52 | 67.57 | 74.00 | 6.43 |
| 17355.00 | 43.89 | AV | V | 42.26 | 8.81 | 38.52 | 50.42 | 54.00 | 3.58 |
| 9855.00 | 46.81 | PK | V | 38.04 | 5.97 | 36.72 | 48.08 | 74.00 | 25.92 |
| 9855.00 | 32.71 | AV | V | 38.04 | 5.97 | 36.72 | 33.98 | 54.00 | 20.02 |
| 9677.00 | 45.59 | PK | V | 37.97 | 5.86 | 36.67 | 46.73 | 74.00 | 27.27 |
| 9677.00 | 31.69 | AV | V | 37.97 | 5.86 | 36.67 | 32.83 | 54.00 | 21.17 |
| High Channel: 5825 MHz | | | | | | | | | |
| 5825.00 | 74.94 | PK | H | 34.23 | 3.73 | 0.00 | 106.88 | N/A | N/A |
| 5825.00 | 64.43 | AV | H | 34.23 | 3.73 | 0.00 | 96.37 | N/A | N/A |
| 5825.00 | 83.78 | PK | V | 34.23 | 3.73 | 0.00 | 115.72 | N/A | N/A |
| 5825.00 | 73.23 | AV | V | 34.23 | 3.73 | 0.00 | 105.17 | N/A | N/A |
| 5850.00 | 30.69 | PK | V | 34.24 | 3.75 | 0.00 | 62.66 | 122.20 | 59.54 |
| 5855.00 | 27.78 | PK | V | 34.24 | 3.75 | 0.00 | 59.75 | 110.80 | 51.05 |
| 5875.00 | 25.74 | PK | V | 34.25 | 3.77 | 0.00 | 57.74 | 105.20 | 47.46 |
| 5925.00 | 25.27 | PK | V | 34.27 | 3.80 | 0.00 | 57.32 | 68.20 | 10.88 |
| 11650.00 | 67.14 | PK | V | 39.00 | 6.64 | 37.53 | 69.23 | 74.00 | 4.77 |
| 11650.00 | 49.94 | AV | V | 39.00 | 6.64 | 37.53 | 52.03 | 54.00 | 1.97 |
| 17475.00 | 60.57 | PK | V | 42.96 | 8.84 | 38.44 | 67.91 | 74.00 | 6.09 |
| 17475.00 | 43.28 | AV | V | 42.96 | 8.84 | 38.44 | 50.62 | 54.00 | 3.38 |
| 8966.00 | 46.91 | PK | V | 37.68 | 5.47 | 36.94 | 47.10 | 74.00 | 26.90 |
| 8966.00 | 31.78 | AV | V | 37.68 | 5.47 | 36.94 | 31.97 | 54.00 | 22.03 |

802.11 n ht40 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 71.79 | PK | H | 34.20 | 3.70 | 0.00 | 103.67 | N/A | N/A |
| 5755.00 | 61.53 | AV | H | 34.20 | 3.70 | 0.00 | 93.41 | N/A | N/A |
| 5755.00 | 80.62 | PK | V | 34.20 | 3.70 | 0.00 | 112.50 | N/A | N/A |
| 5755.00 | 70.95 | AV | V | 34.20 | 3.70 | 0.00 | 102.83 | N/A | N/A |
| 5725.00 | 45.71 | PK | V | 34.19 | 3.69 | 0.00 | 77.57 | 122.20 | 44.63 |
| 5720.00 | 37.95 | PK | V | 34.19 | 3.69 | 0.00 | 69.81 | 110.80 | 40.99 |
| 5700.00 | 28.41 | PK | V | 34.18 | 3.68 | 0.00 | 60.25 | 105.20 | 44.95 |
| 5650.00 | 26.97 | PK | V | 34.16 | 3.63 | 0.00 | 58.74 | 68.20 | 9.46 |
| 11510.00 | 67.22 | PK | V | 39.00 | 6.59 | 37.37 | 69.42 | 74.00 | 4.58 |
| 11510.00 | 50.08 | AV | V | 39.00 | 6.59 | 37.37 | 52.28 | 54.00 | 1.72 |
| 17265.00 | 60.56 | PK | V | 41.74 | 8.79 | 38.58 | 66.49 | 74.00 | 7.51 |
| 17265.00 | 43.45 | AV | V | 41.74 | 8.79 | 38.58 | 49.38 | 54.00 | 4.62 |
| 8966.00 | 46.32 | PK | V | 37.68 | 5.47 | 36.94 | 46.51 | 74.00 | 27.49 |
| 8966.00 | 32.38 | AV | V | 37.68 | 5.47 | 36.94 | 32.57 | 54.00 | 21.43 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 71.32 | PK | H | 34.22 | 3.71 | 0.00 | 103.23 | N/A | N/A |
| 5795.00 | 61.26 | AV | H | 34.22 | 3.71 | 0.00 | 93.17 | N/A | N/A |
| 5795.00 | 78.88 | PK | V | 34.22 | 3.71 | 0.00 | 110.79 | N/A | N/A |
| 5795.00 | 68.62 | AV | V | 34.22 | 3.71 | 0.00 | 100.53 | N/A | N/A |
| 5850.00 | 29.37 | PK | V | 34.24 | 3.75 | 0.00 | 61.34 | 122.20 | 60.86 |
| 5855.00 | 28.72 | PK | V | 34.24 | 3.75 | 0.00 | 60.69 | 110.80 | 50.11 |
| 5875.00 | 27.55 | PK | V | 34.25 | 3.77 | 0.00 | 59.55 | 105.20 | 45.65 |
| 5925.00 | 27.57 | PK | V | 34.27 | 3.80 | 0.00 | 59.62 | 68.20 | 8.58 |
| 11590.00 | 66.87 | PK | V | 39.00 | 6.62 | 37.46 | 69.01 | 74.00 | 4.99 |
| 11590.00 | 50.64 | AV | V | 39.00 | 6.62 | 37.46 | 52.78 | 54.00 | 1.22 |
| 17385.00 | 60.58 | PK | V | 42.43 | 8.82 | 38.50 | 67.31 | 74.00 | 6.69 |
| 17385.00 | 43.14 | AV | V | 42.43 | 8.82 | 38.50 | 49.87 | 54.00 | 4.13 |
| 8966.00 | 46.82 | PK | V | 37.68 | 5.47 | 36.94 | 47.01 | 74.00 | 26.99 |
| 8966.00 | 32.43 | AV | V | 37.68 | 5.47 | 36.94 | 32.62 | 54.00 | 21.38 |

802.11 ac40 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Low Channel: 5755 MHz | | | | | | | | | |
| 5755.00 | 71.4 | PK | H | 34.20 | 3.70 | 0.00 | 103.28 | N/A | N/A |
| 5755.00 | 61.33 | AV | H | 34.20 | 3.70 | 0.00 | 93.21 | N/A | N/A |
| 5755.00 | 80.89 | PK | V | 34.20 | 3.70 | 0.00 | 112.77 | N/A | N/A |
| 5755.00 | 70.66 | AV | V | 34.20 | 3.70 | 0.00 | 102.54 | N/A | N/A |
| 5725.00 | 45.86 | PK | V | 34.19 | 3.69 | 0.00 | 77.72 | 122.20 | 44.48 |
| 5720.00 | 37.94 | PK | V | 34.19 | 3.69 | 0.00 | 69.80 | 110.80 | 41.00 |
| 5700.00 | 28.26 | PK | V | 34.18 | 3.68 | 0.00 | 60.10 | 105.20 | 45.10 |
| 5650.00 | 27.06 | PK | V | 34.16 | 3.63 | 0.00 | 58.83 | 68.20 | 9.37 |
| 11510.00 | 67.75 | PK | V | 39.00 | 6.59 | 37.37 | 69.95 | 74.00 | 4.05 |
| 11510.00 | 50.44 | AV | V | 39.00 | 6.59 | 37.37 | 52.64 | 54.00 | 1.36 |
| 17265.00 | 60.26 | PK | V | 41.74 | 8.79 | 38.58 | 66.19 | 74.00 | 7.81 |
| 17265.00 | 43.73 | AV | V | 41.74 | 8.79 | 38.58 | 49.66 | 54.00 | 4.34 |
| 8966.00 | 46.31 | PK | V | 37.68 | 5.47 | 36.94 | 46.50 | 74.00 | 27.50 |
| 8966.00 | 32.33 | AV | V | 37.68 | 5.47 | 36.94 | 32.52 | 54.00 | 21.48 |
| High Channel: 5795 MHz | | | | | | | | | |
| 5795.00 | 71.48 | PK | H | 34.22 | 3.71 | 0.00 | 103.39 | N/A | N/A |
| 5795.00 | 61.24 | AV | H | 34.22 | 3.71 | 0.00 | 93.15 | N/A | N/A |
| 5795.00 | 78.89 | PK | V | 34.22 | 3.71 | 0.00 | 110.80 | N/A | N/A |
| 5795.00 | 68.59 | AV | V | 34.22 | 3.71 | 0.00 | 100.50 | N/A | N/A |
| 5850.00 | 29.36 | PK | V | 34.24 | 3.75 | 0.00 | 61.33 | 122.20 | 60.87 |
| 5855.00 | 28.75 | PK | V | 34.24 | 3.75 | 0.00 | 60.72 | 110.80 | 50.08 |
| 5875.00 | 27.64 | PK | V | 34.25 | 3.77 | 0.00 | 59.64 | 105.20 | 45.56 |
| 5925.00 | 27.64 | PK | V | 34.27 | 3.80 | 0.00 | 59.69 | 68.20 | 8.51 |
| 11590.00 | 67.22 | PK | V | 39.00 | 6.62 | 37.46 | 69.36 | 74.00 | 4.64 |
| 11590.00 | 50.33 | AV | V | 39.00 | 6.62 | 37.46 | 52.47 | 54.00 | 1.53 |
| 17385.00 | 60.64 | PK | V | 42.43 | 8.82 | 38.50 | 67.37 | 74.00 | 6.63 |
| 17385.00 | 43.39 | AV | V | 42.43 | 8.82 | 38.50 | 50.12 | 54.00 | 3.88 |
| 8966.00 | 46.61 | PK | V | 37.68 | 5.47 | 36.94 | 46.80 | 74.00 | 27.20 |
| 8966.00 | 32.22 | AV | V | 37.68 | 5.47 | 36.94 | 32.41 | 54.00 | 21.59 |

802.11 ac80 Mode (Chain 0+1+2+3)

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| Channel: 5755 MHz | | | | | | | | | |
| 5775.00 | 68.68 | PK | H | 34.21 | 3.70 | 0.00 | 100.57 | N/A | N/A |
| 5775.00 | 58.48 | AV | H | 34.21 | 3.70 | 0.00 | 90.37 | N/A | N/A |
| 5775.00 | 76.83 | PK | V | 34.21 | 3.70 | 0.00 | 108.72 | N/A | N/A |
| 5775.00 | 66.55 | AV | V | 34.21 | 3.70 | 0.00 | 98.44 | N/A | N/A |
| 5725.00 | 41.04 | PK | V | 34.19 | 3.69 | 0.00 | 72.90 | 122.20 | 49.30 |
| 5720.00 | 36.48 | PK | V | 34.19 | 3.69 | 0.00 | 68.34 | 110.80 | 42.46 |
| 5700.00 | 31.98 | PK | V | 34.18 | 3.68 | 0.00 | 63.82 | 105.20 | 41.38 |
| 5650.00 | 27.42 | PK | V | 34.16 | 3.63 | 0.00 | 59.19 | 68.20 | 9.01 |
| 5850.00 | 41.16 | PK | V | 34.24 | 3.75 | 0.00 | 73.13 | 122.20 | 49.07 |
| 5855.00 | 37.19 | PK | V | 34.24 | 3.75 | 0.00 | 69.16 | 110.80 | 41.64 |
| 5875.00 | 34.58 | PK | V | 34.25 | 3.77 | 0.00 | 66.58 | 105.20 | 38.62 |
| 5925.00 | 28.43 | PK | V | 34.27 | 3.80 | 0.00 | 60.48 | 68.20 | 7.72 |
| 11550.00 | 67.65 | PK | V | 39.00 | 6.61 | 37.42 | 69.82 | 74.00 | 4.18 |
| 11550.00 | 50.19 | AV | V | 39.00 | 6.61 | 37.42 | 52.36 | 54.00 | 1.64 |
| 17325.00 | 60.79 | PK | V | 42.09 | 8.80 | 38.54 | 67.12 | 74.00 | 6.88 |
| 17325.00 | 43.44 | AV | V | 42.09 | 8.80 | 38.54 | 49.77 | 54.00 | 4.23 |
| 8966.00 | 46.45 | PK | V | 37.68 | 5.47 | 36.94 | 46.64 | 74.00 | 27.36 |
| 8966.00 | 32.54 | AV | V | 37.68 | 5.47 | 36.94 | 32.73 | 54.00 | 21.27 |

**Radio 1,Non-beamforming, AC80+80 Mode:**

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| 5210+5775MHz: Chain 1+chain 3 | | | | | | | | | |
| 5210.00 | 55.46 | PK | H | 33.64 | 3.58 | 0.00 | 86.66 | N/A | N/A |
| 5210.00 | 45.14 | AV | H | 33.64 | 3.58 | 0.00 | 76.34 | N/A | N/A |
| 5210.00 | 63.37 | PK | V | 33.64 | 3.58 | 0.00 | 94.57 | N/A | N/A |
| 5210.00 | 53.11 | AV | V | 33.64 | 3.58 | 0.00 | 84.31 | N/A | N/A |
| 5775.00 | 55.54 | PK | H | 34.21 | 3.70 | 0.00 | 87.43 | N/A | N/A |
| 5775.00 | 45.05 | AV | H | 34.21 | 3.70 | 0.00 | 76.94 | N/A | N/A |
| 5775.00 | 63.34 | PK | V | 34.21 | 3.70 | 0.00 | 95.23 | N/A | N/A |
| 5775.00 | 53.04 | AV | V | 34.21 | 3.70 | 0.00 | 84.93 | N/A | N/A |
| 5150.00 | 28.57 | PK | V | 33.54 | 3.56 | 0.00 | 59.65 | 74.00 | 14.35 |
| 5150.00 | 16.54 | AV | V | 33.54 | 3.56 | 0.00 | 47.62 | 54.00 | 6.38 |
| 5350.00 | 28.16 | PK | V | 33.86 | 3.52 | 0.00 | 59.52 | 74.00 | 14.48 |
| 5350.00 | 16.34 | AV | V | 33.86 | 3.52 | 0.00 | 47.70 | 54.00 | 6.30 |
| 5650.00 | 28.49 | PK | V | 34.16 | 3.63 | 0.00 | 60.26 | 68.20 | 7.94 |
| 5700.00 | 27.58 | PK | V | 34.18 | 3.68 | 0.00 | 59.42 | 105.20 | 45.78 |
| 5720.00 | 27.34 | PK | V | 34.19 | 3.69 | 0.00 | 59.20 | 110.80 | 51.60 |
| 5725.00 | 26.59 | PK | V | 34.19 | 3.69 | 0.00 | 58.45 | 122.20 | 63.75 |
| 5850.00 | 28.75 | PK | V | 34.24 | 3.75 | 0.00 | 60.72 | 122.20 | 61.48 |
| 5855.00 | 28.34 | PK | V | 34.24 | 3.75 | 0.00 | 60.31 | 110.80 | 50.49 |
| 5875.00 | 27.46 | PK | V | 34.25 | 3.77 | 0.00 | 59.46 | 105.20 | 45.74 |
| 5925.00 | 26.57 | PK | V | 34.27 | 3.80 | 0.00 | 58.62 | 68.20 | 9.58 |
| 10420.00 | 47.62 | PK | V | 38.18 | 6.33 | 36.86 | 49.25 | 74.00 | 24.75 |
| 10420.00 | 33.59 | AV | V | 38.18 | 6.33 | 36.86 | 35.22 | 54.00 | 18.78 |
| 15630.00 | 46.35 | PK | V | 37.97 | 8.82 | 39.11 | 48.01 | 74.00 | 25.99 |
| 15630.00 | 32.82 | AV | V | 37.97 | 8.82 | 39.11 | 34.48 | 54.00 | 19.52 |
| 11550.00 | 47.52 | PK | V | 39.00 | 6.61 | 37.42 | 49.69 | 74.00 | 24.31 |
| 11550.00 | 33.48 | AV | V | 39.00 | 6.61 | 37.42 | 35.65 | 54.00 | 18.35 |
| 17325.00 | 46.79 | PK | V | 42.09 | 8.80 | 38.54 | 53.12 | 74.00 | 20.88 |
| 17325.00 | 32.65 | AV | V | 42.09 | 8.80 | 38.54 | 38.98 | 54.00 | 15.02 |
| 8435.00 | 45.46 | PK | V | 37.32 | 5.12 | 37.07 | 44.81 | 74.00 | 29.19 |
| 8435.00 | 32.38 | AV | V | 37.32 | 5.12 | 37.07 | 31.73 | 54.00 | 22.27 |

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| 5210+5775MHz: Chain 0+chain 2 | | | | | | | | | |
| 5210.00 | 54.45 | PK | H | 33.64 | 3.58 | 0.00 | 85.65 | N/A | N/A |
| 5210.00 | 44.06 | AV | H | 33.64 | 3.58 | 0.00 | 75.26 | N/A | N/A |
| 5210.00 | 62.27 | PK | V | 33.64 | 3.58 | 0.00 | 93.47 | N/A | N/A |
| 5210.00 | 52.04 | AV | V | 33.64 | 3.58 | 0.00 | 83.24 | N/A | N/A |
| 5775.00 | 53.47 | PK | H | 34.21 | 3.70 | 0.00 | 85.36 | N/A | N/A |
| 5775.00 | 43.22 | AV | H | 34.21 | 3.70 | 0.00 | 75.11 | N/A | N/A |
| 5775.00 | 61.35 | PK | V | 34.21 | 3.70 | 0.00 | 93.24 | N/A | N/A |
| 5775.00 | 51.18 | AV | V | 34.21 | 3.70 | 0.00 | 83.07 | N/A | N/A |
| 5150.00 | 28.61 | PK | V | 33.54 | 3.56 | 0.00 | 59.69 | 74.00 | 14.31 |
| 5150.00 | 16.53 | AV | V | 33.54 | 3.56 | 0.00 | 47.61 | 54.00 | 6.39 |
| 5350.00 | 28.13 | PK | V | 33.86 | 3.52 | 0.00 | 59.49 | 74.00 | 14.51 |
| 5350.00 | 16.28 | AV | V | 33.86 | 3.52 | 0.00 | 47.64 | 54.00 | 6.36 |
| 5650.00 | 28.54 | PK | V | 34.16 | 3.63 | 0.00 | 60.31 | 68.20 | 7.89 |
| 5700.00 | 27.65 | PK | V | 34.18 | 3.68 | 0.00 | 59.49 | 105.20 | 45.71 |
| 5720.00 | 27.36 | PK | V | 34.19 | 3.69 | 0.00 | 59.22 | 110.80 | 51.58 |
| 5725.00 | 26.68 | PK | V | 34.19 | 3.69 | 0.00 | 58.54 | 122.20 | 63.66 |
| 5850.00 | 28.68 | PK | V | 34.24 | 3.75 | 0.00 | 60.65 | 122.20 | 61.55 |
| 5855.00 | 28.32 | PK | V | 34.24 | 3.75 | 0.00 | 60.29 | 110.80 | 50.51 |
| 5875.00 | 27.52 | PK | V | 34.25 | 3.77 | 0.00 | 59.52 | 105.20 | 45.68 |
| 5925.00 | 26.56 | PK | V | 34.27 | 3.80 | 0.00 | 58.61 | 68.20 | 9.59 |
| 10420.00 | 47.79 | PK | V | 38.18 | 6.33 | 36.86 | 49.42 | 74.00 | 24.58 |
| 10420.00 | 33.54 | AV | V | 38.18 | 6.33 | 36.86 | 35.17 | 54.00 | 18.83 |
| 15630.00 | 46.26 | PK | V | 37.97 | 8.82 | 39.11 | 47.92 | 74.00 | 26.08 |
| 15630.00 | 32.72 | AV | V | 37.97 | 8.82 | 39.11 | 34.38 | 54.00 | 19.62 |
| 11550.00 | 47.82 | PK | V | 39.00 | 6.61 | 37.42 | 49.99 | 74.00 | 24.01 |
| 11550.00 | 33.78 | AV | V | 39.00 | 6.61 | 37.42 | 35.95 | 54.00 | 18.05 |
| 17325.00 | 46.84 | PK | V | 42.09 | 8.80 | 38.54 | 53.17 | 74.00 | 20.83 |
| 17325.00 | 32.64 | AV | V | 42.09 | 8.80 | 38.54 | 38.97 | 54.00 | 15.03 |
| 8468.00 | 45.86 | PK | V | 37.36 | 5.14 | 37.09 | 45.25 | 74.00 | 28.75 |
| 8468.00 | 32.57 | AV | V | 37.36 | 5.14 | 37.09 | 31.96 | 54.00 | 22.04 |

**Radio 1, Beamforming, MHz AC80+80 Mode:**

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBμV/m) | Limit (dBμV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBμV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| 5210+5775MHz: Chain 1+chain 3 | | | | | | | | | |
| 5210.00 | 55.38 | PK | H | 33.64 | 3.58 | 0.00 | 86.58 | N/A | N/A |
| 5210.00 | 45.18 | AV | H | 33.64 | 3.58 | 0.00 | 76.38 | N/A | N/A |
| 5210.00 | 63.31 | PK | V | 33.64 | 3.58 | 0.00 | 94.51 | N/A | N/A |
| 5210.00 | 53.07 | AV | V | 33.64 | 3.58 | 0.00 | 84.27 | N/A | N/A |
| 5775.00 | 55.55 | PK | H | 34.21 | 3.70 | 0.00 | 87.44 | N/A | N/A |
| 5775.00 | 45.02 | AV | H | 34.21 | 3.70 | 0.00 | 76.91 | N/A | N/A |
| 5775.00 | 63.24 | PK | V | 34.21 | 3.70 | 0.00 | 95.13 | N/A | N/A |
| 5775.00 | 53.06 | AV | V | 34.21 | 3.70 | 0.00 | 84.95 | N/A | N/A |
| 5150.00 | 28.61 | PK | V | 33.54 | 3.56 | 0.00 | 59.69 | 74.00 | 14.31 |
| 5150.00 | 16.59 | AV | V | 33.54 | 3.56 | 0.00 | 47.67 | 54.00 | 6.33 |
| 5350.00 | 28.13 | PK | V | 33.86 | 3.52 | 0.00 | 59.49 | 74.00 | 14.51 |
| 5350.00 | 16.41 | AV | V | 33.86 | 3.52 | 0.00 | 47.77 | 54.00 | 6.23 |
| 5650.00 | 28.56 | PK | V | 34.16 | 3.63 | 0.00 | 60.33 | 68.20 | 7.87 |
| 5700.00 | 27.62 | PK | V | 34.18 | 3.68 | 0.00 | 59.46 | 105.20 | 45.74 |
| 5720.00 | 27.35 | PK | V | 34.19 | 3.69 | 0.00 | 59.21 | 110.80 | 51.59 |
| 5725.00 | 26.55 | PK | V | 34.19 | 3.69 | 0.00 | 58.41 | 122.20 | 63.79 |
| 5850.00 | 28.85 | PK | V | 34.24 | 3.75 | 0.00 | 60.82 | 122.20 | 61.38 |
| 5855.00 | 28.42 | PK | V | 34.24 | 3.75 | 0.00 | 60.39 | 110.80 | 50.41 |
| 5875.00 | 27.54 | PK | V | 34.25 | 3.77 | 0.00 | 59.54 | 105.20 | 45.66 |
| 5925.00 | 26.64 | PK | V | 34.27 | 3.80 | 0.00 | 58.69 | 68.20 | 9.51 |
| 10420.00 | 47.65 | PK | V | 38.18 | 6.33 | 36.86 | 49.28 | 74.00 | 24.72 |
| 10420.00 | 33.63 | AV | V | 38.18 | 6.33 | 36.86 | 35.26 | 54.00 | 18.74 |
| 15630.00 | 46.43 | PK | V | 37.97 | 8.82 | 39.11 | 48.09 | 74.00 | 25.91 |
| 15630.00 | 32.92 | AV | V | 37.97 | 8.82 | 39.11 | 34.58 | 54.00 | 19.42 |
| 11550.00 | 47.46 | PK | V | 39.00 | 6.61 | 37.42 | 49.63 | 74.00 | 24.37 |
| 11550.00 | 33.48 | AV | V | 39.00 | 6.61 | 37.42 | 35.65 | 54.00 | 18.35 |
| 17325.00 | 46.82 | PK | V | 42.09 | 8.80 | 38.54 | 53.15 | 74.00 | 20.85 |
| 17325.00 | 32.71 | AV | V | 42.09 | 8.80 | 38.54 | 39.04 | 54.00 | 14.96 |
| 8435.00 | 45.56 | PK | V | 37.32 | 5.12 | 37.07 | 44.91 | 74.00 | 29.09 |
| 8435.00 | 32.44 | AV | V | 37.32 | 5.12 | 37.07 | 31.79 | 54.00 | 22.21 |

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| 5210+5775MHz: Chain 0+chain 2 | | | | | | | | | |
| 5210.00 | 54.37 | PK | H | 33.64 | 3.58 | 0.00 | 85.57 | N/A | N/A |
| 5210.00 | 44.13 | AV | H | 33.64 | 3.58 | 0.00 | 75.33 | N/A | N/A |
| 5210.00 | 62.23 | PK | V | 33.64 | 3.58 | 0.00 | 93.43 | N/A | N/A |
| 5210.00 | 52.01 | AV | V | 33.64 | 3.58 | 0.00 | 83.21 | N/A | N/A |
| 5775.00 | 53.53 | PK | H | 34.21 | 3.70 | 0.00 | 85.42 | N/A | N/A |
| 5775.00 | 43.14 | AV | H | 34.21 | 3.70 | 0.00 | 75.03 | N/A | N/A |
| 5775.00 | 61.44 | PK | V | 34.21 | 3.70 | 0.00 | 93.33 | N/A | N/A |
| 5775.00 | 51.23 | AV | V | 34.21 | 3.70 | 0.00 | 83.12 | N/A | N/A |
| 5150.00 | 28.54 | PK | V | 33.54 | 3.56 | 0.00 | 59.62 | 74.00 | 14.38 |
| 5150.00 | 16.43 | AV | V | 33.54 | 3.56 | 0.00 | 47.51 | 54.00 | 6.49 |
| 5350.00 | 28.07 | PK | V | 33.86 | 3.52 | 0.00 | 59.43 | 74.00 | 14.57 |
| 5350.00 | 16.36 | AV | V | 33.86 | 3.52 | 0.00 | 47.72 | 54.00 | 6.28 |
| 5650.00 | 28.64 | PK | V | 34.16 | 3.63 | 0.00 | 60.41 | 68.20 | 7.79 |
| 5700.00 | 27.66 | PK | V | 34.18 | 3.68 | 0.00 | 59.50 | 105.20 | 45.70 |
| 5720.00 | 27.26 | PK | V | 34.19 | 3.69 | 0.00 | 59.12 | 110.80 | 51.68 |
| 5725.00 | 26.67 | PK | V | 34.19 | 3.69 | 0.00 | 58.53 | 122.20 | 63.67 |
| 5850.00 | 28.68 | PK | V | 34.24 | 3.75 | 0.00 | 60.65 | 122.20 | 61.55 |
| 5855.00 | 28.39 | PK | V | 34.24 | 3.75 | 0.00 | 60.36 | 110.80 | 50.44 |
| 5875.00 | 27.58 | PK | V | 34.25 | 3.77 | 0.00 | 59.58 | 105.20 | 45.62 |
| 5925.00 | 26.62 | PK | V | 34.27 | 3.80 | 0.00 | 58.67 | 68.20 | 9.53 |
| 10420.00 | 47.75 | PK | V | 38.18 | 6.33 | 36.86 | 49.38 | 74.00 | 24.62 |
| 10420.00 | 33.55 | AV | V | 38.18 | 6.33 | 36.86 | 35.18 | 54.00 | 18.82 |
| 15630.00 | 46.17 | PK | V | 37.97 | 8.82 | 39.11 | 47.83 | 74.00 | 26.17 |
| 15630.00 | 32.66 | AV | V | 37.97 | 8.82 | 39.11 | 34.32 | 54.00 | 19.68 |
| 11550.00 | 47.73 | PK | V | 39.00 | 6.61 | 37.42 | 49.90 | 74.00 | 24.10 |
| 11550.00 | 33.82 | AV | V | 39.00 | 6.61 | 37.42 | 35.99 | 54.00 | 18.01 |
| 17325.00 | 46.81 | PK | V | 42.09 | 8.80 | 38.54 | 53.14 | 74.00 | 20.86 |
| 17325.00 | 32.67 | AV | V | 42.09 | 8.80 | 38.54 | 39.00 | 54.00 | 15.00 |
| 8468.00 | 45.88 | PK | V | 37.36 | 5.14 | 37.09 | 45.27 | 74.00 | 28.73 |
| 8468.00 | 32.49 | AV | V | 37.36 | 5.14 | 37.09 | 31.88 | 54.00 | 22.12 |

**Simultaneous Transmission(worst mode), 1-40GHz:**

| Frequency (MHz) | Receiver | | Rx Antenna | | Cable loss (dB) | Amplifier Gain (dB) | Corrected Amplitude (dBµV/m) | Limit (dBµV/m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| | Reading (dBµV) | Detector | Polar (H/V) | Factor (dB) | | | | | |
| BLE:2402 MHz+b mode 2437MHz 4Tx Non-beamforming mode+ Radio 1 5785MHz a mode 4Tx Non-beamforming mode | | | | | | | | | |
| 3116.00 | 49.59 | PK | V | 30.38 | 2.26 | 37.01 | 45.22 | 74.00 | 28.78 |
| 3116.00 | 35.26 | AV | V | 30.38 | 2.26 | 37.01 | 30.89 | 54.00 | 23.11 |
| 3587.00 | 48.59 | PK | V | 31.49 | 2.39 | 37.10 | 45.37 | 74.00 | 28.63 |
| 3587.00 | 33.15 | AV | V | 31.49 | 2.39 | 37.10 | 29.93 | 54.00 | 24.07 |
| 3748.00 | 49.36 | PK | H | 31.85 | 2.53 | 37.01 | 46.73 | 74.00 | 27.27 |
| 3748.00 | 35.78 | AV | H | 31.85 | 2.53 | 37.01 | 33.15 | 54.00 | 20.85 |
| 3452.00 | 48.62 | PK | H | 31.18 | 2.39 | 36.93 | 45.26 | 74.00 | 28.74 |
| 3452.00 | 33.46 | AV | H | 31.18 | 2.39 | 36.93 | 30.10 | 54.00 | 23.9 |
| 7311.00 | 45.92 | PK | V | 36.01 | 4.64 | 37.36 | 49.21 | 74.00 | 24.79 |
| 7311.00 | 35.53 | AV | V | 36.01 | 4.64 | 37.36 | 38.82 | 54.00 | 15.18 |
| 4874.00 | 47.57 | PK | V | 33.05 | 3.26 | 37.21 | 46.67 | 74.00 | 27.33 |
| 4874.00 | 37.11 | AV | V | 33.05 | 3.26 | 37.21 | 36.21 | 54.00 | 17.79 |

# FCC §15.407(b)–OUT- OF-BAND EMISSIONS

## Applicable Standard

FCC §15.407

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.

(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

## Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v01r04

## Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| R&S | Spectrum Analyzer | FSU 26 | 200256 | 2016-12-08 | 2017-12-08 |
| Unknown | Coaxial Cable | C-SJ00-0010 | C0010/04 | Each Time | / |

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

## Test Data

### Environmental Conditions

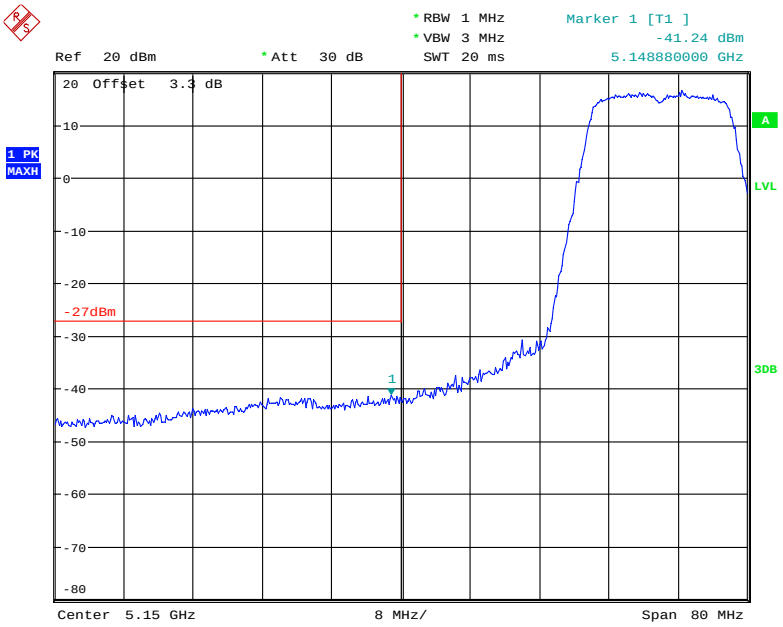
| | |
|---|---|
| **Temperature:** | 26.8~27°C |
| **Relative Humidity:** | 49~51 % |
| **ATM Pressure:** | 100.8~101.6 kPa |

*The testing was performed by Blake Yang from 2017-10-21 to 2017-11-05.*

**Test Result:** Pass.

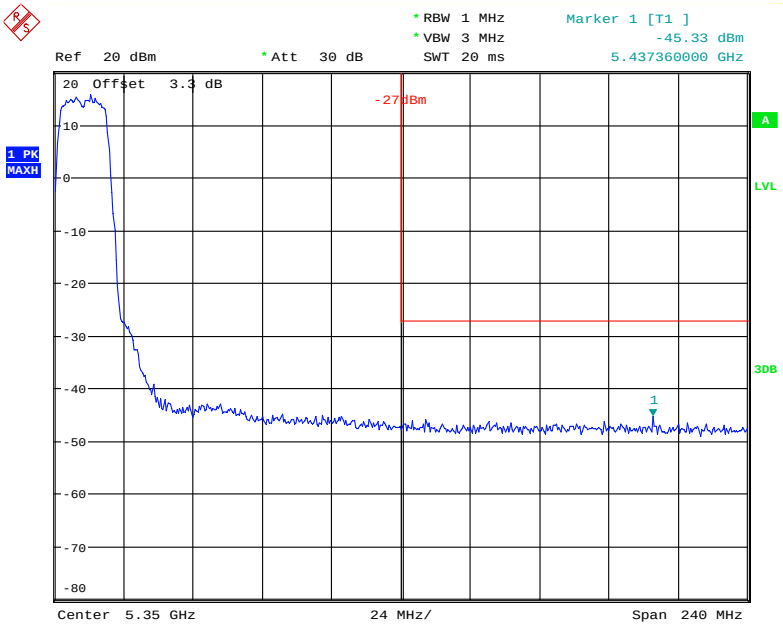
**Radio 0:**
**5150-5250MHz:**

**Chain 0, 802.11a Low Channel**



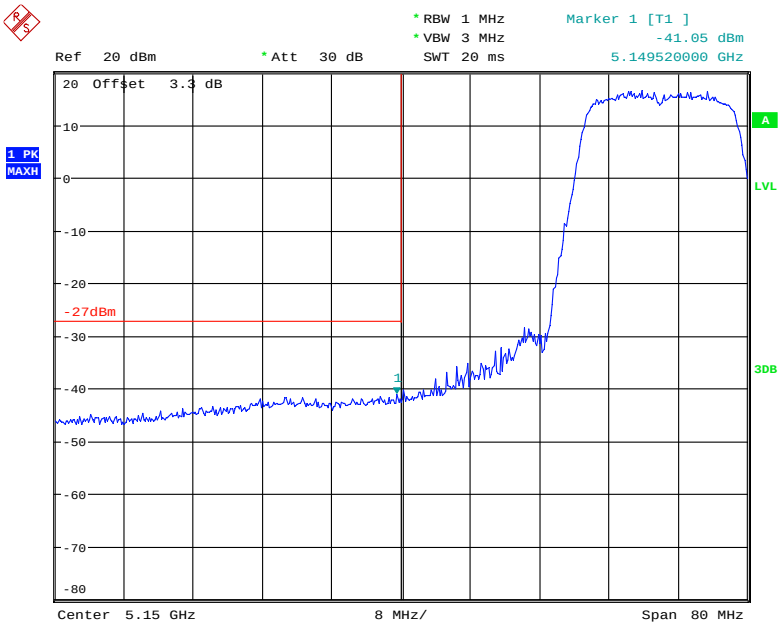

Date: 21.OCT.2017 10:01:45

**Chain 0, 802.11a High Channel**



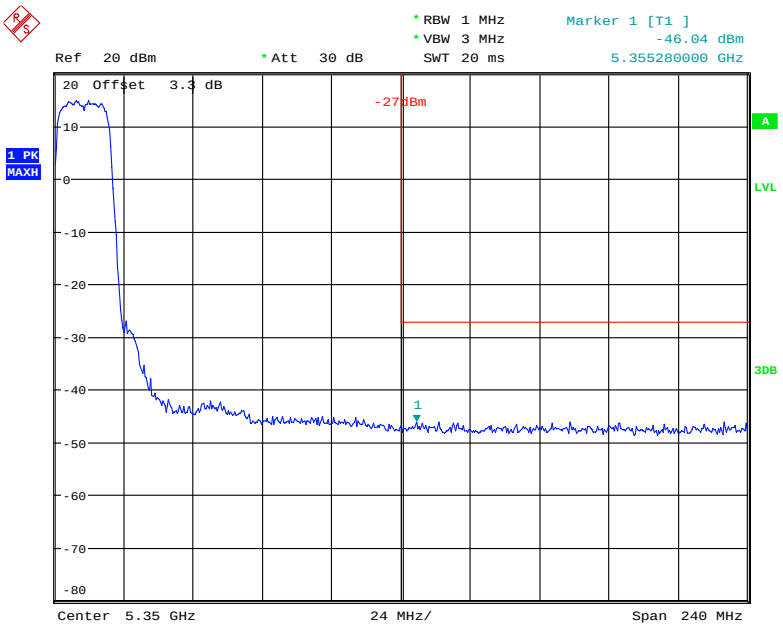

Date: 21.OCT.2017 10:15:25

## Chain 0, 802.11n ht20 Low Channel



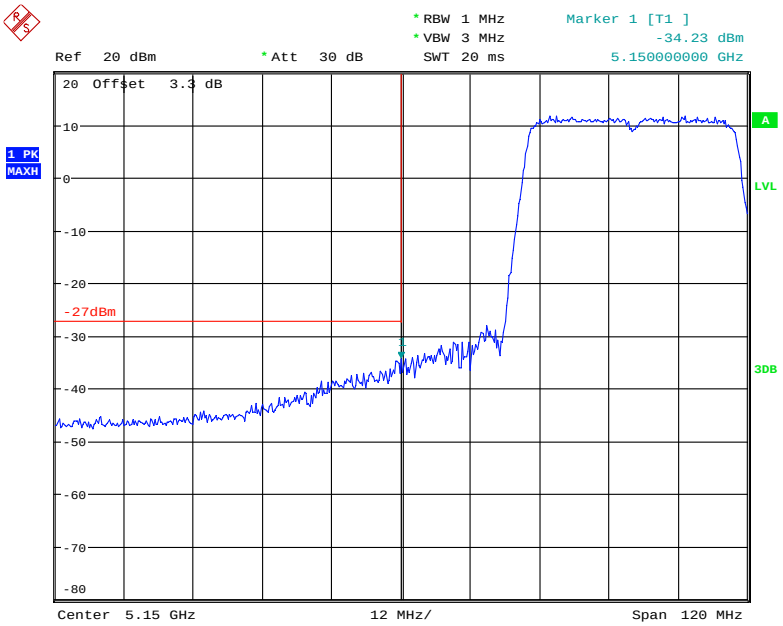

Date: 21.OCT.2017 10:30:37

## Chain 0, 802.11n ht20 High Channel



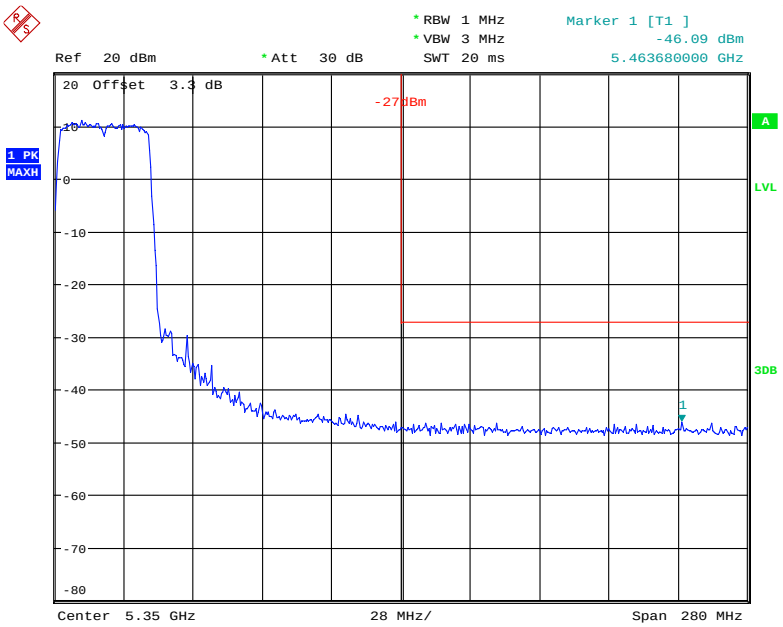

Date: 21.OCT.2017 10:33:33

## Chain 0, 802.11n ht40 Low Channel



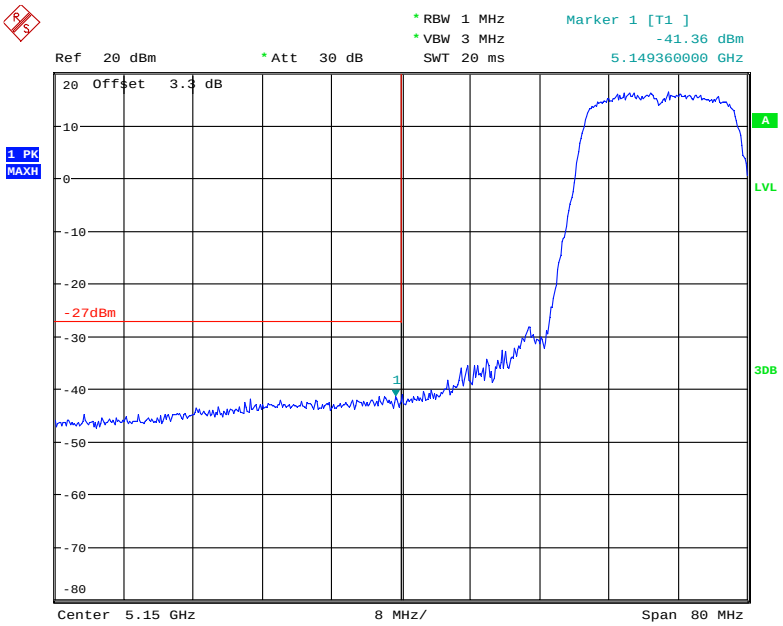

Date: 21.OCT.2017 11:30:26

## Chain 0, 802.11n ht40 High Channel



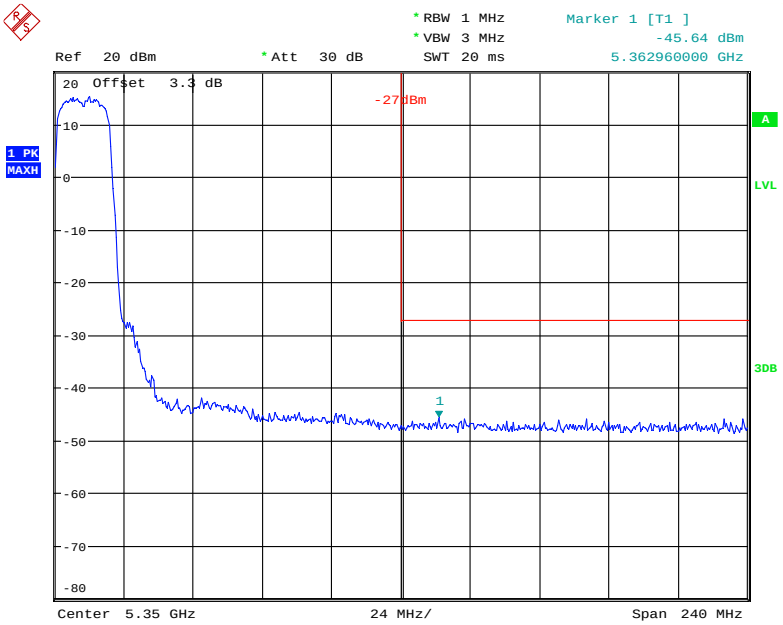

Date: 21.OCT.2017 11:31:46

## Chain 0, 802.11n ac20 Low Channel



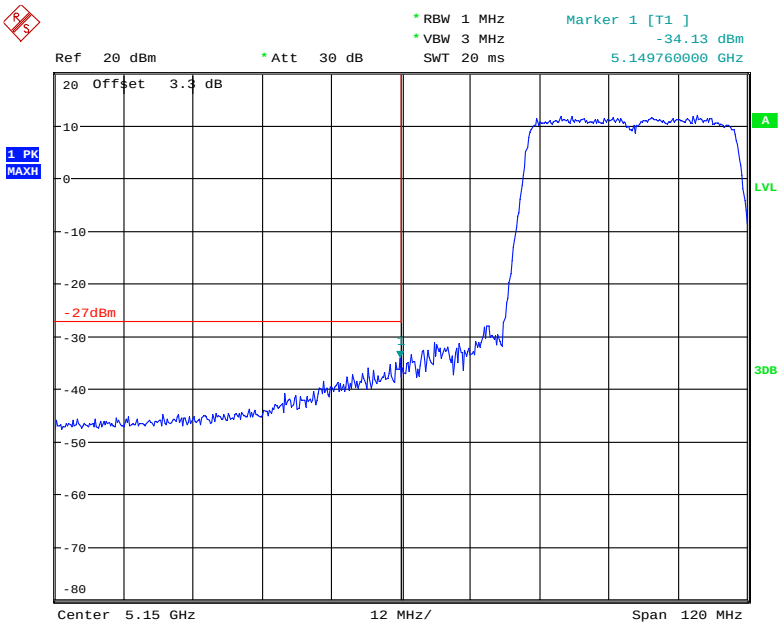

Date: 21.OCT.2017 10:45:54

## Chain 0, 802.11n ac20 High Channel



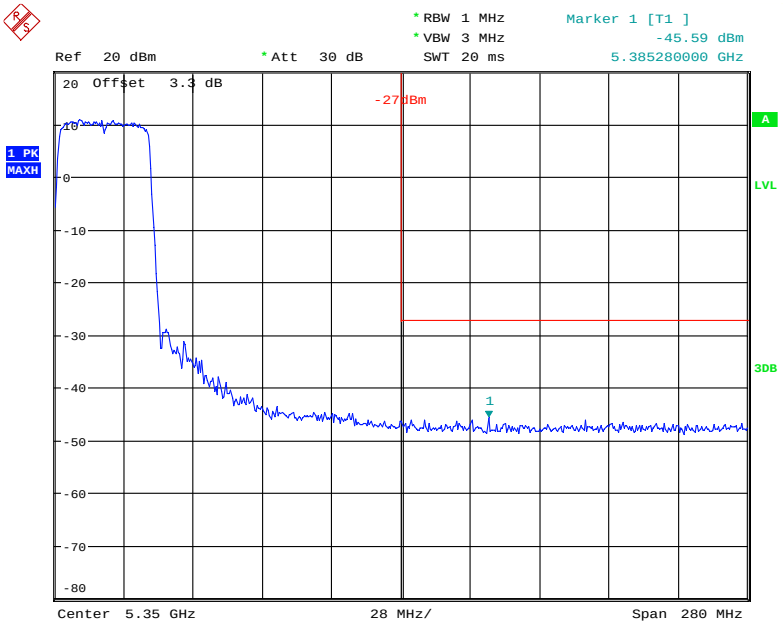

Date: 21.OCT.2017 10:49:00

## Chain 0, 802.11n ac40 Low Channel



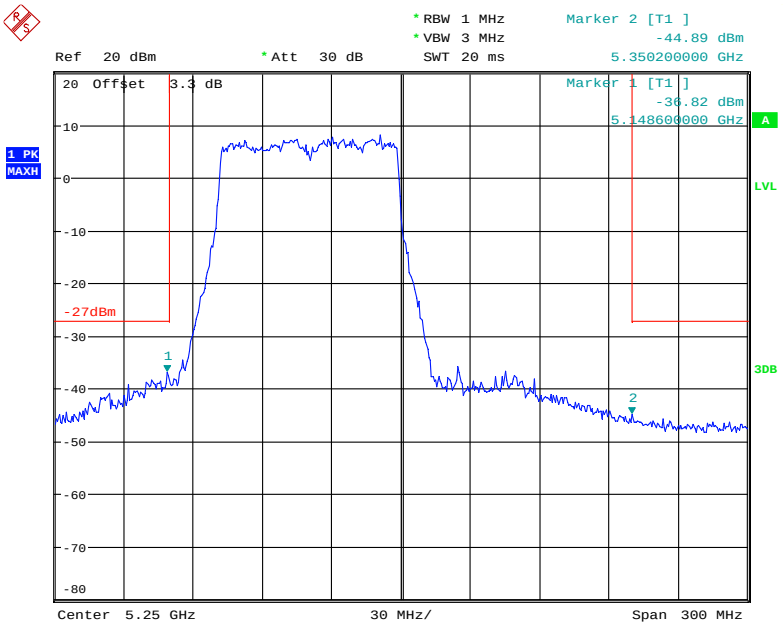

Date: 21.OCT.2017 11:41:28

## Chain 0, 802.11n ac40 High Channel



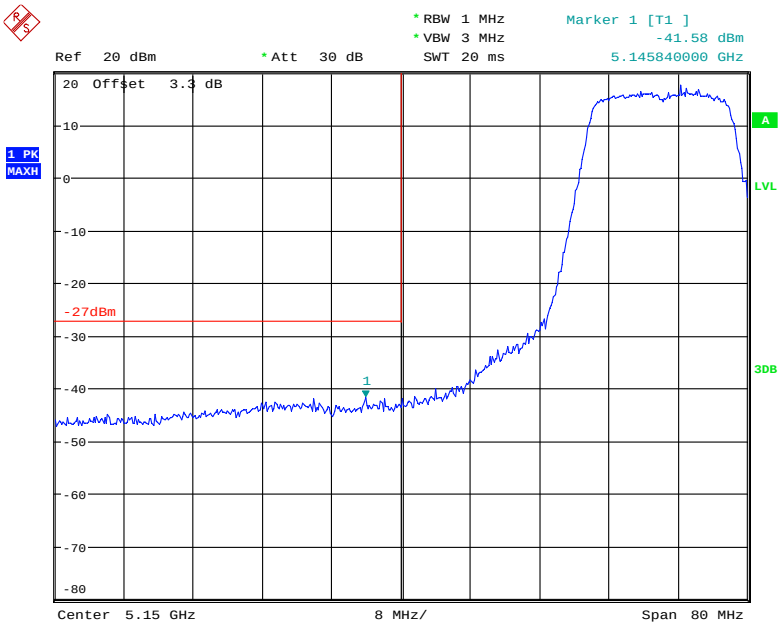

Date: 21.OCT.2017 11:43:05

## Chain 0, 802.11 ac80 Middle Channel



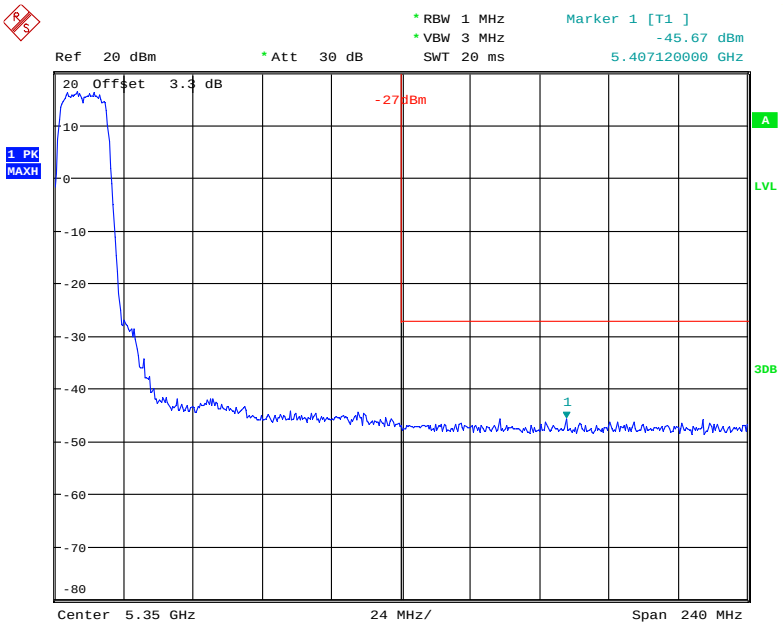

Date: 28.OCT.2017 16:30:28

## Chain 1, 802.11a Low Channel



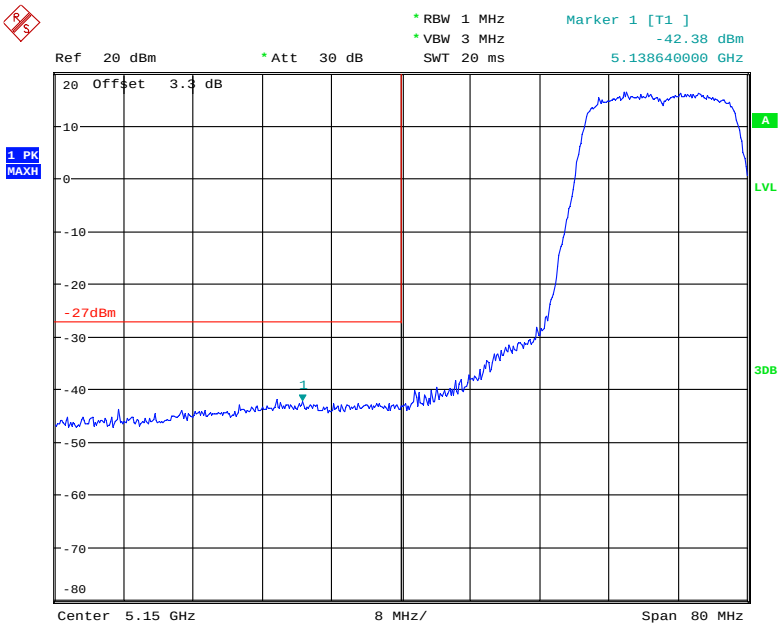

Date: 21.OCT.2017 11:47:57

## Chain 1, 802.11a High Channel



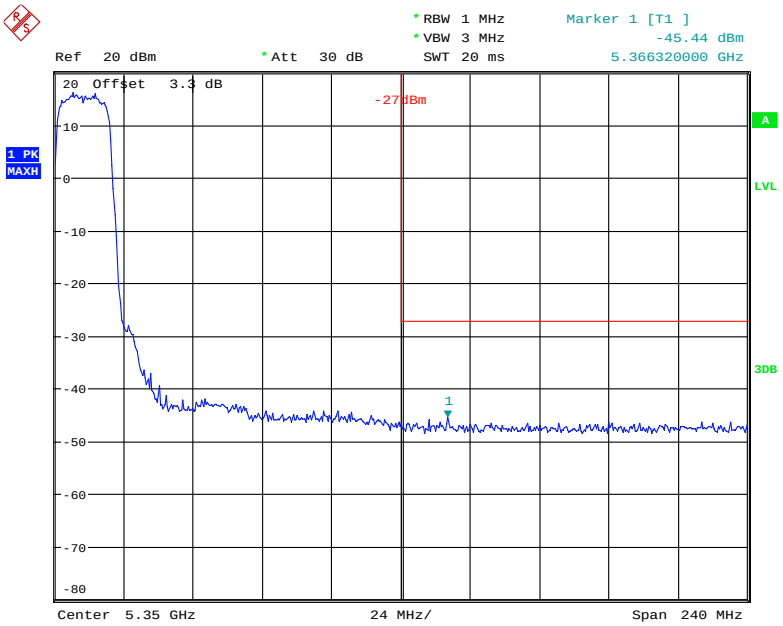

Date: 21.OCT.2017 11:50:30

## Chain 1, 802.11n ht20 Low Channel



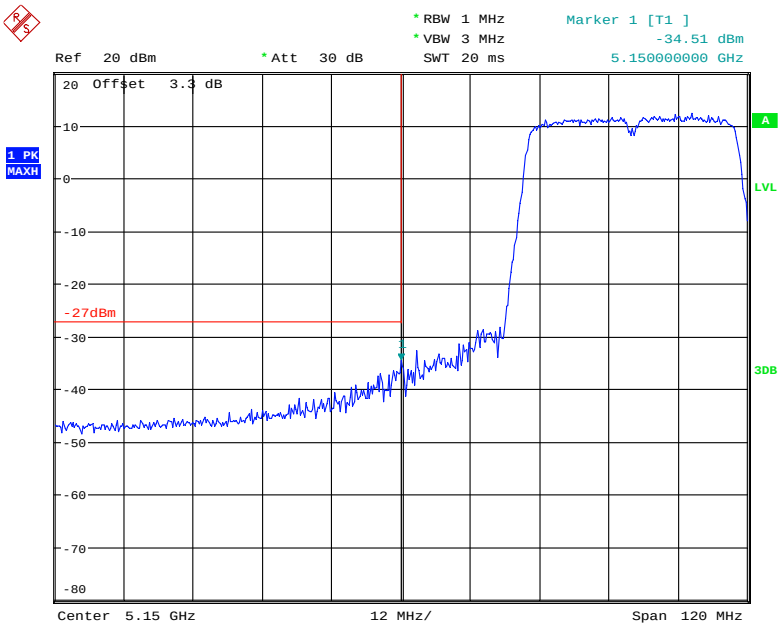

Date: 21.OCT.2017 11:58:09

## Chain 1, 802.11n ht20 High Channel



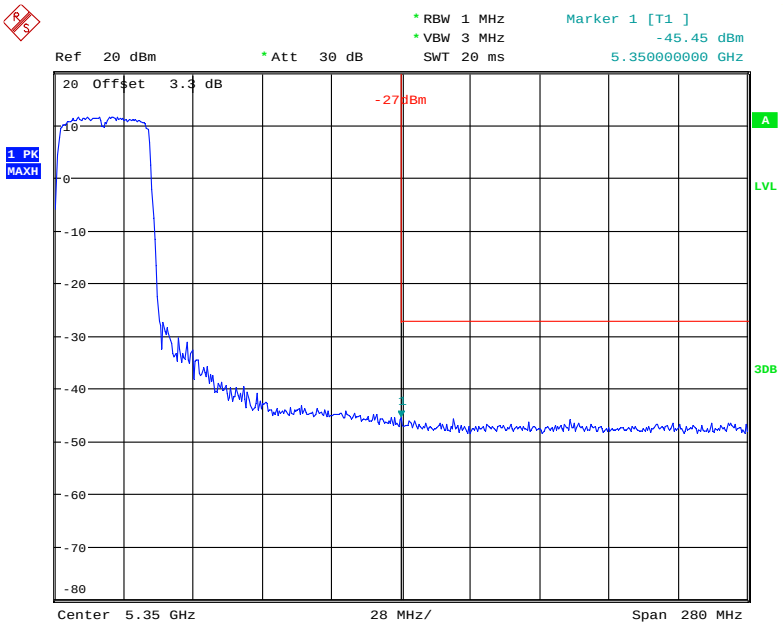

Date: 21.OCT.2017 12:00:57

## Chain 1, 802.11n ht40 Low Channel



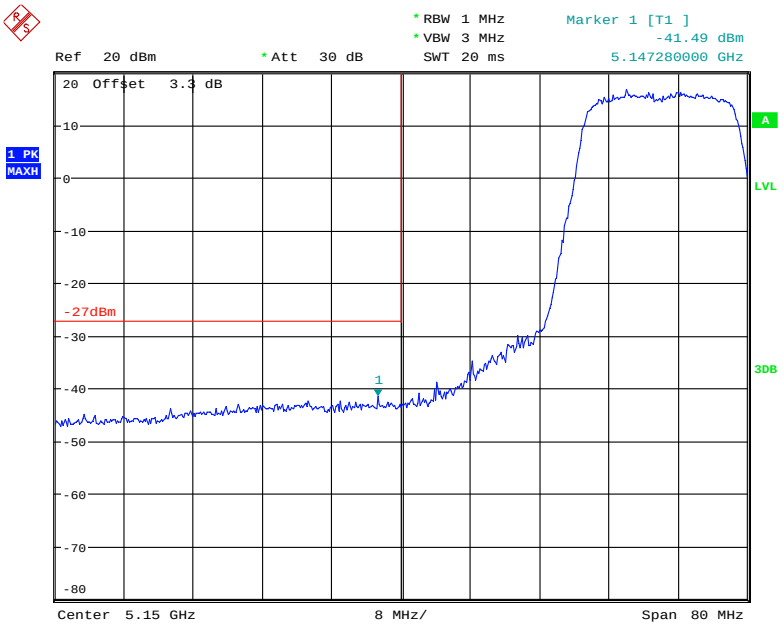

Date: 21.OCT.2017 13:28:17

## Chain 1, 802.11n ht40 High Channel



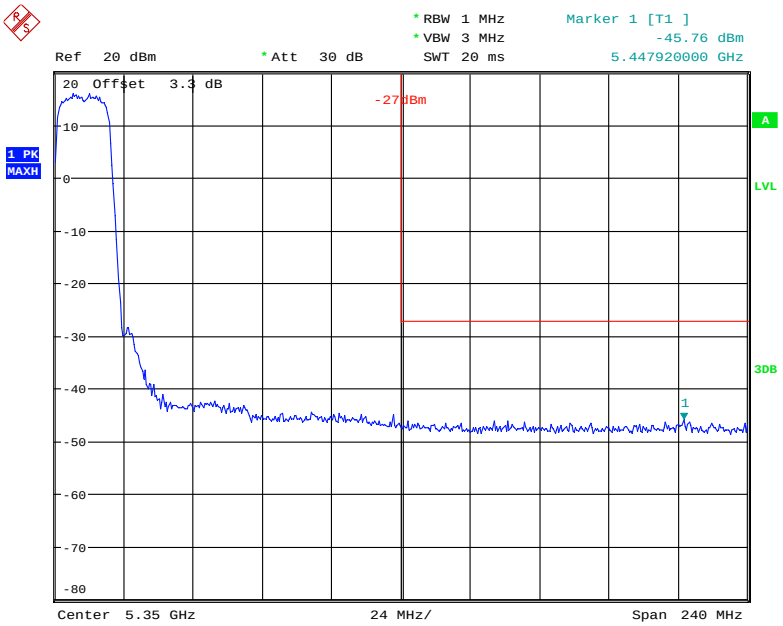

Date: 21.OCT.2017 13:30:08

## Chain 1, 802.11n ac20 Low Channel



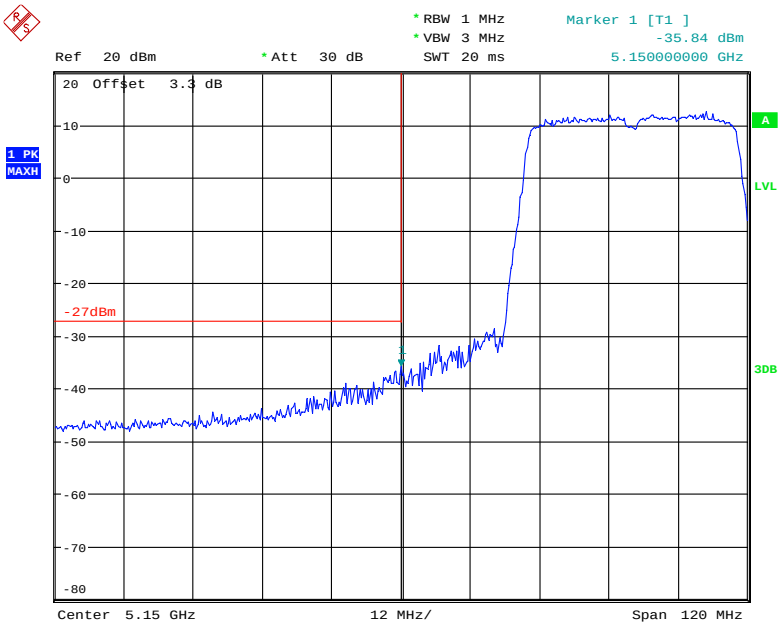

Date: 21.OCT.2017 13:25:31

## Chain 1, 802.11n ac20 High Channel



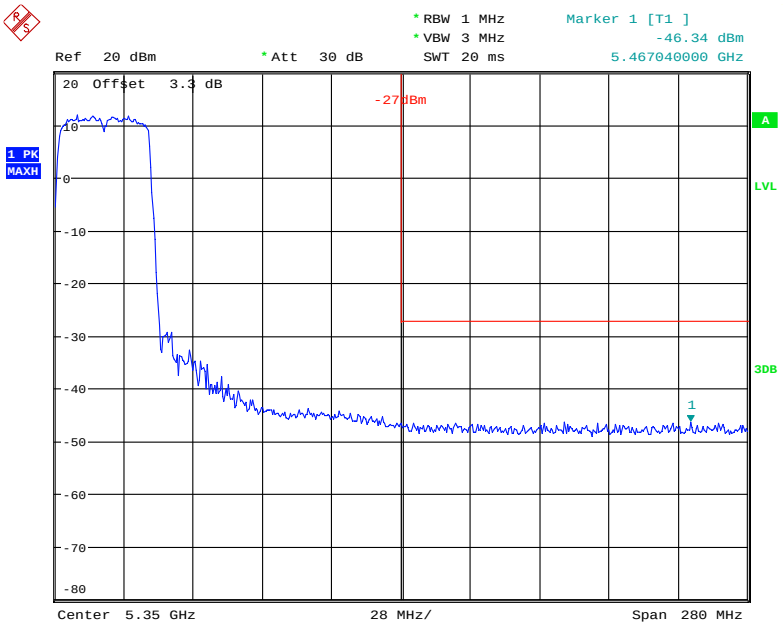

Date: 21.OCT.2017 13:22:49

## Chain 1, 802.11n ac40 Low Channel



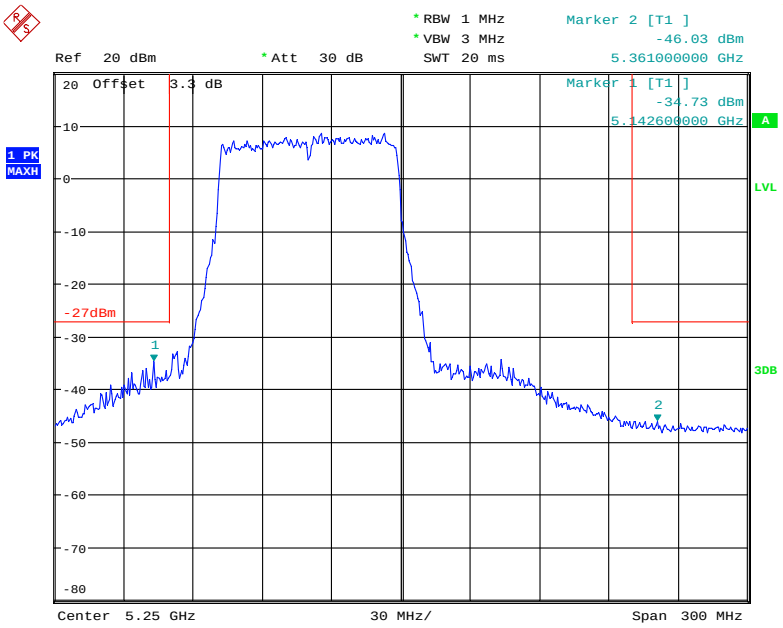

Date: 21.OCT.2017 13:38:36

## Chain 1, 802.11n ac40 High Channel



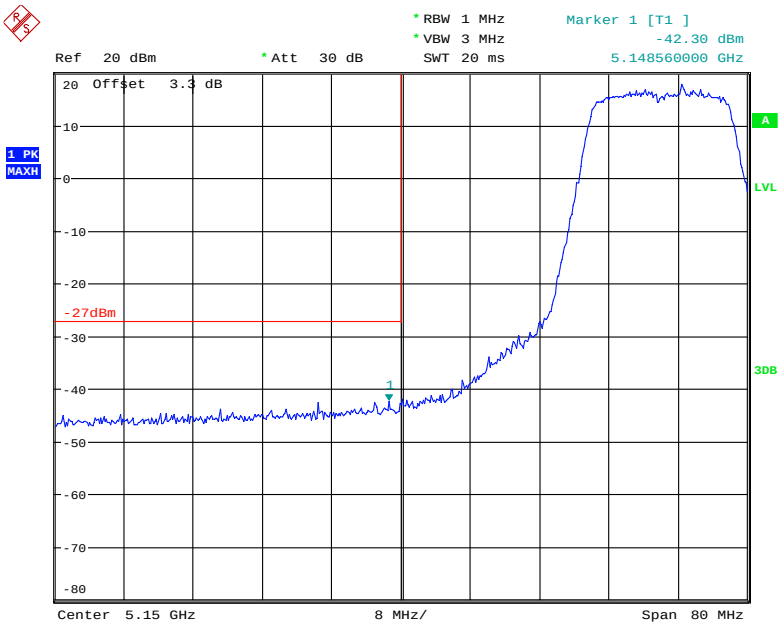

Date: 21.OCT.2017 13:39:59

## Chain 1, 802.11 ac80 Middle Channel



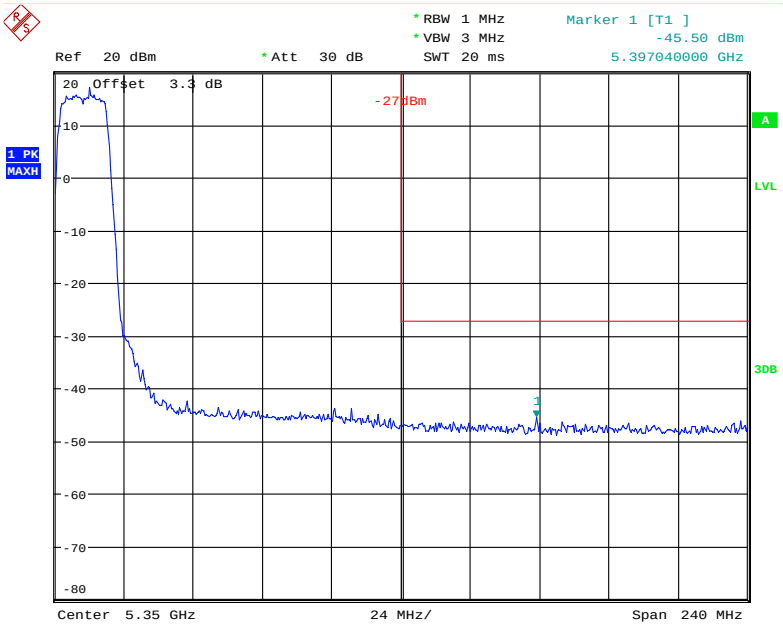

Date: 28.OCT.2017 16:32:40

## Chain 2, 802.11a Low Channel



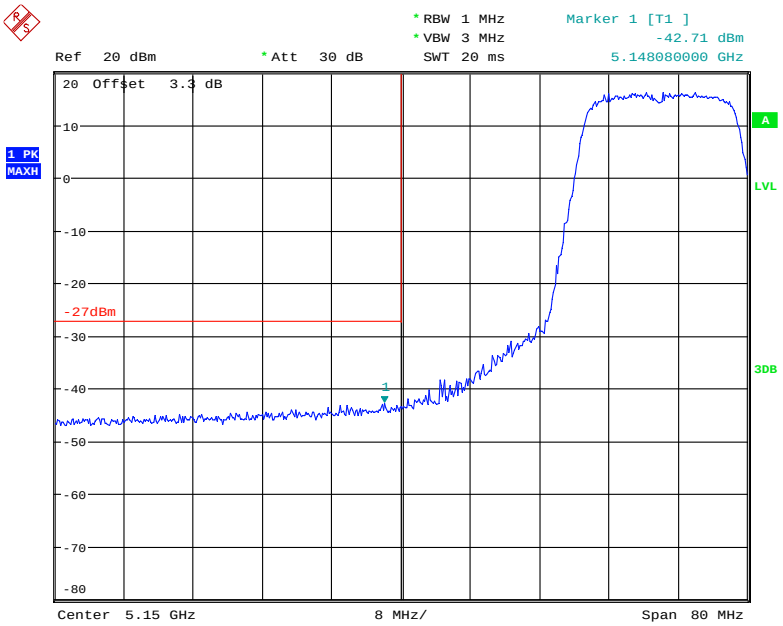

Date: 21.OCT.2017 13:57:36

## Chain 2, 802.11a High Channel



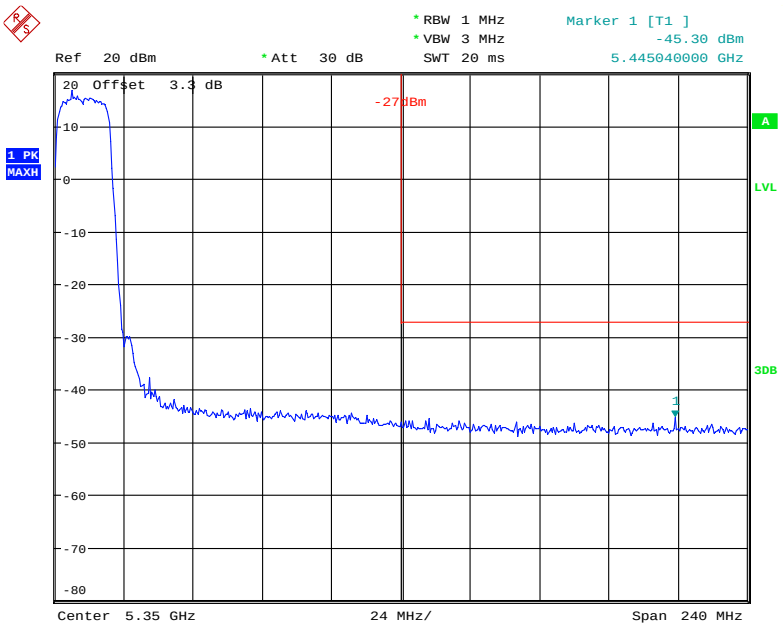

Date: 21.OCT.2017 14:01:05

## Chain 2, 802.11n ht20 Low Channel



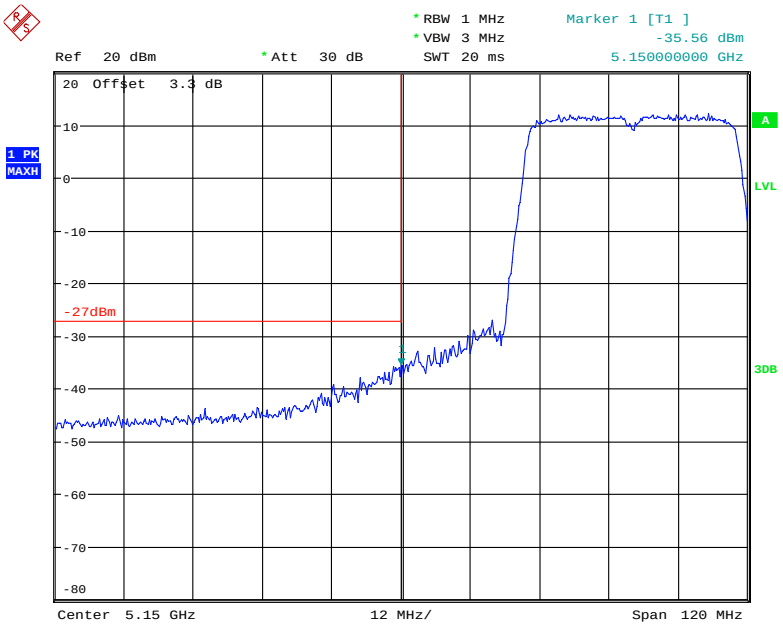

Date: 21.OCT.2017 14:13:08

## Chain 2, 802.11n ht20 High Channel



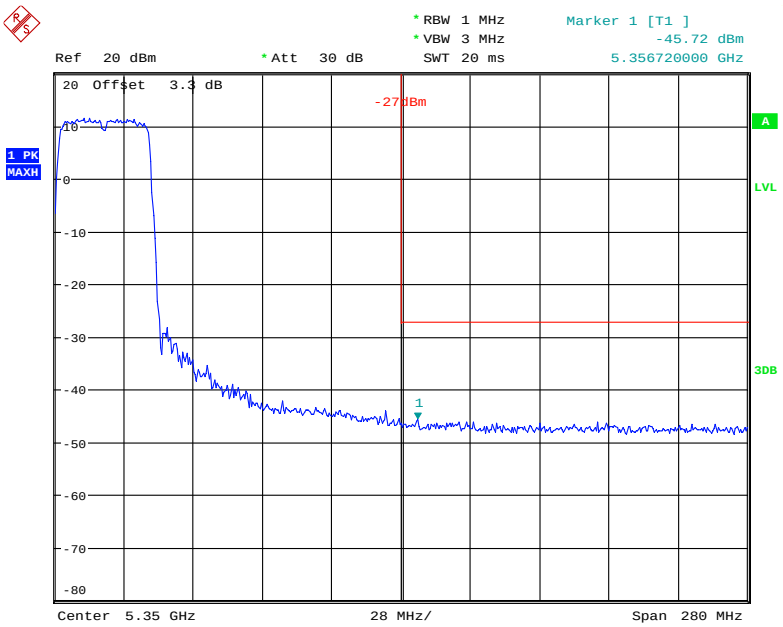

Date: 21.OCT.2017 14:16:07

## Chain 2, 802.11n ht40 Low Channel



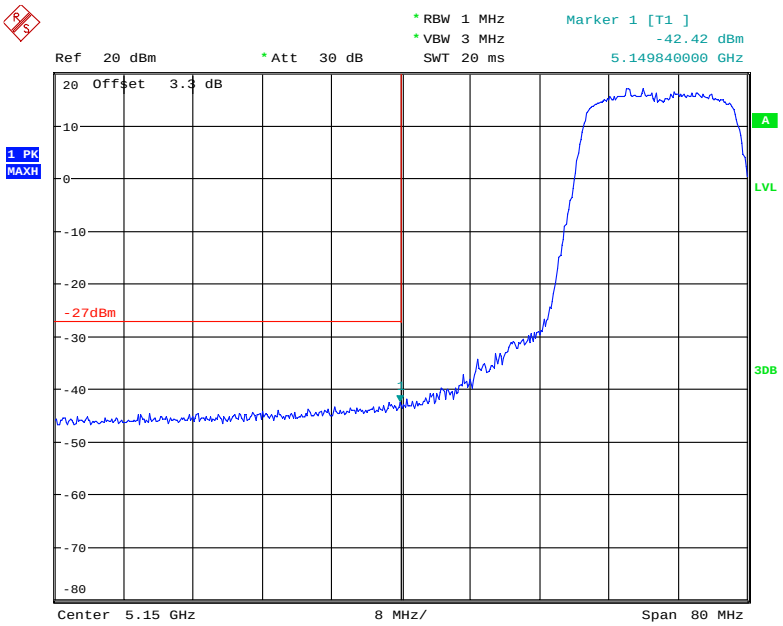

Date: 21.OCT.2017 14:32:14

## Chain 2, 802.11n ht40 High Channel



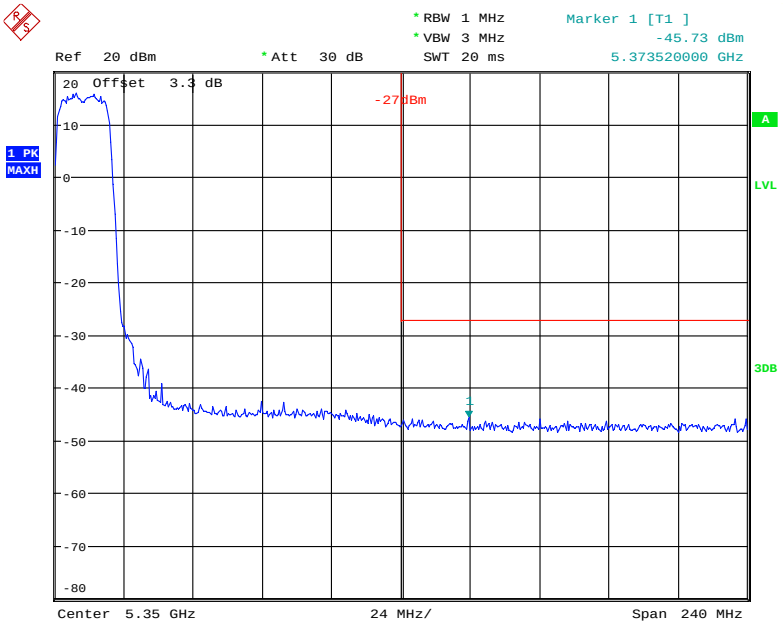

Date: 21.OCT.2017 14:38:34

## Chain 2, 802.11n ac20 Low Channel



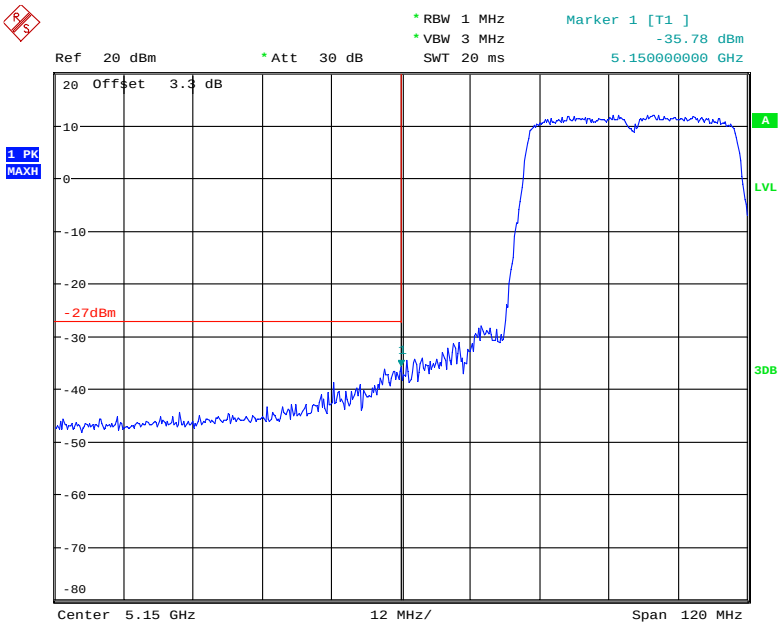

Date: 21.OCT.2017 14:29:28

## Chain 2, 802.11n ac20 High Channel



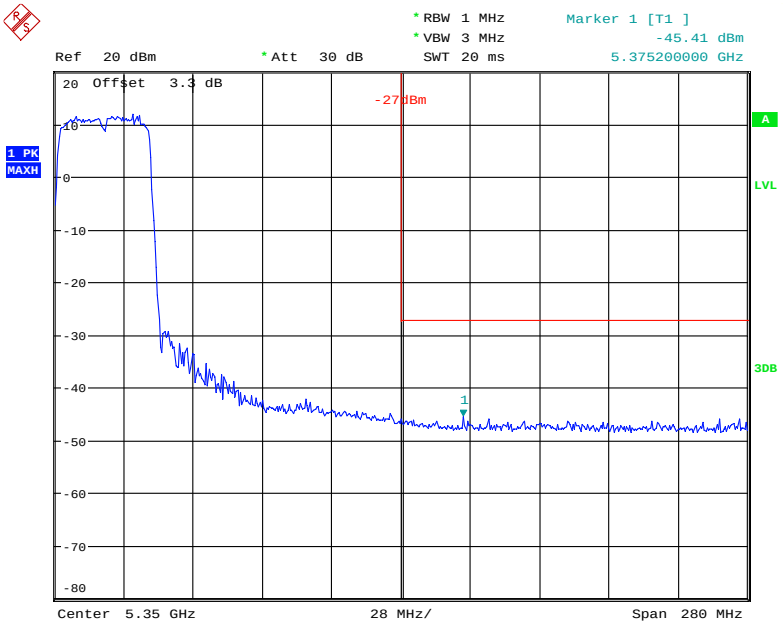

Date: 21.OCT.2017 14:26:40

## Chain 2, 802.11n ac40 Low Channel



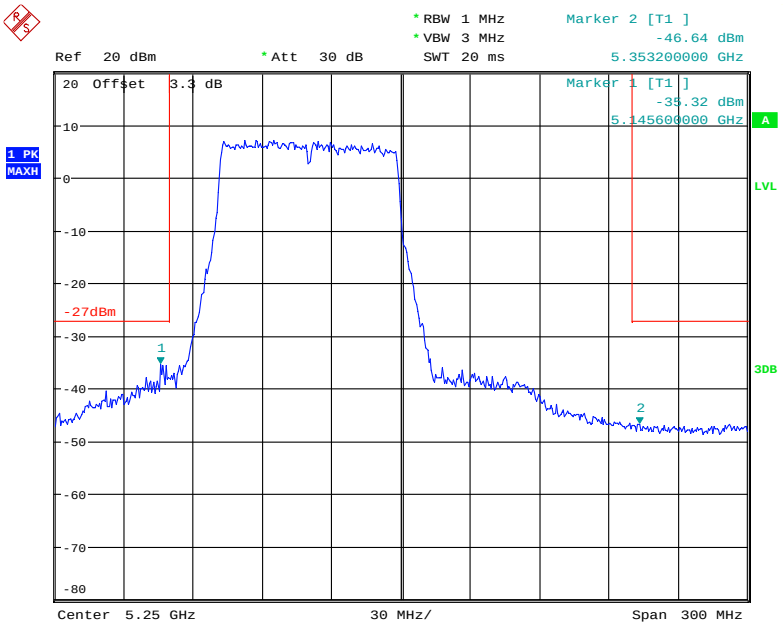

Date: 21.OCT.2017 14:45:08

## Chain 2, 802.11n ac40 High Channel



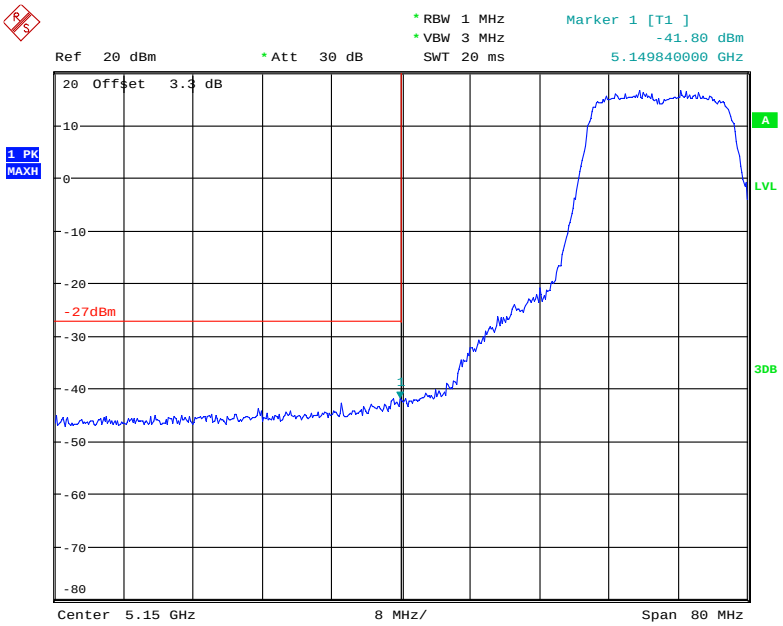

Date: 21.OCT.2017 14:48:19

## Chain 2, 802.11 ac80 Middle Channel



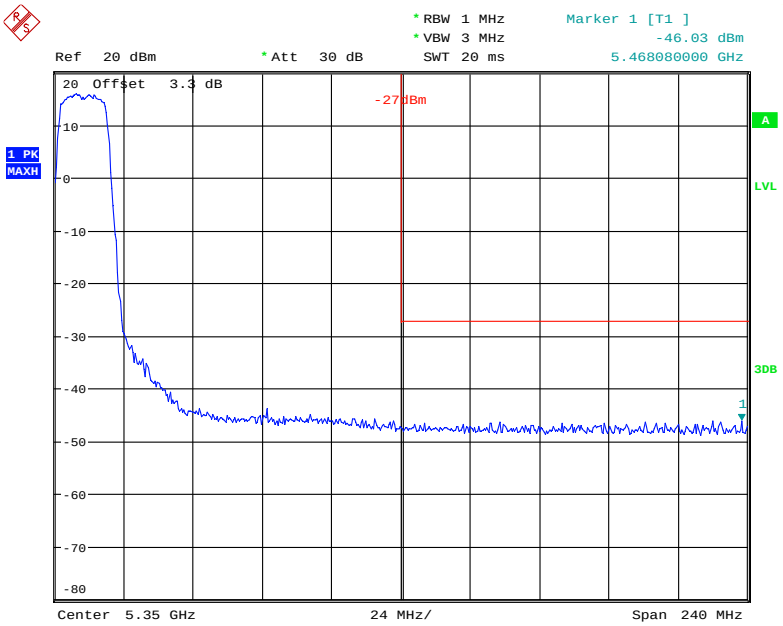

Date: 28.OCT.2017 16:34:18

## Chain 3, 802.11a Low Channel



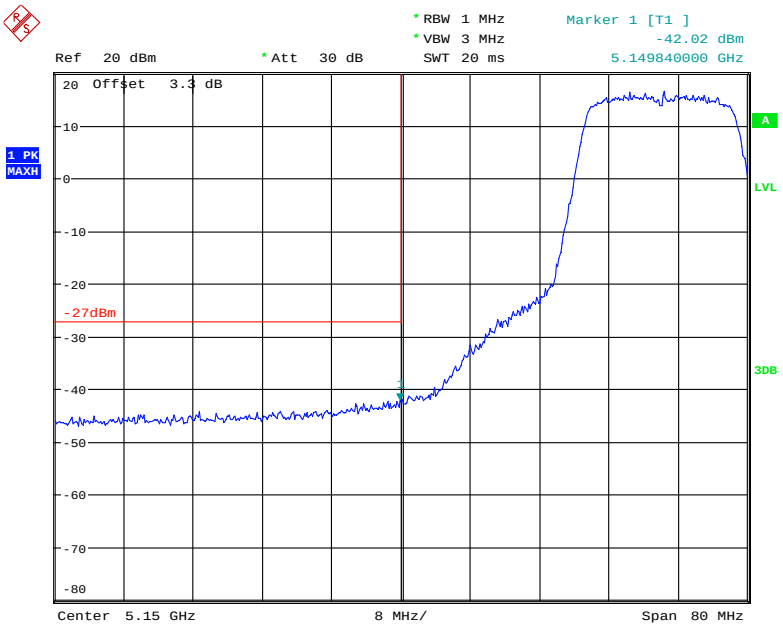

Date: 21.OCT.2017 14:58:16

## Chain 3, 802.11a High Channel



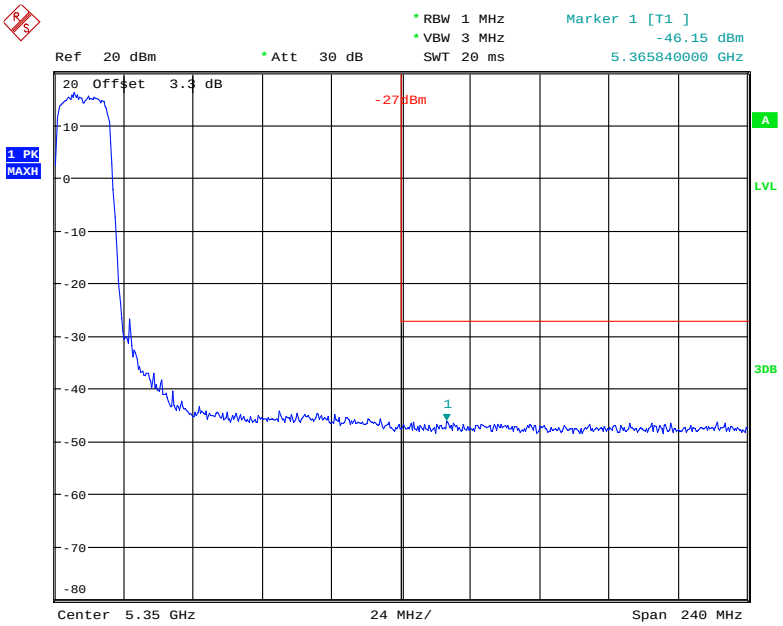

Date: 21.OCT.2017 15:00:47

## Chain 3, 802.11n ht20 Low Channel



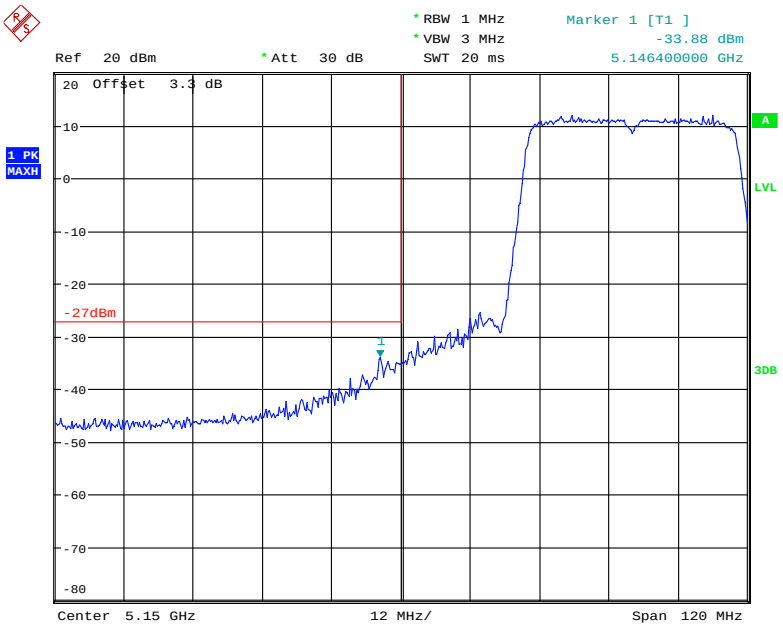

Date: 21.OCT.2017 15:09:24

## Chain 3, 802.11n ht20 High Channel



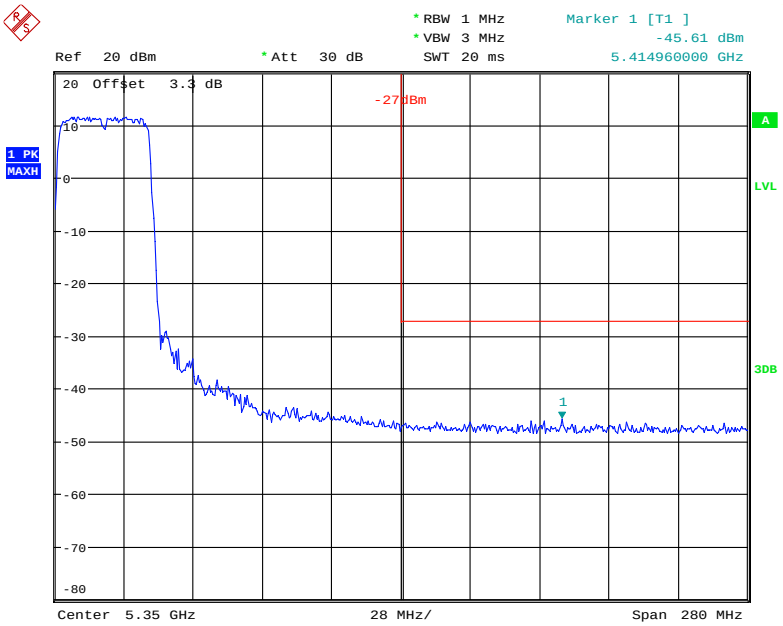

Date: 21.OCT.2017 15:13:56

## Chain 3, 802.11n ht40 Low Channel



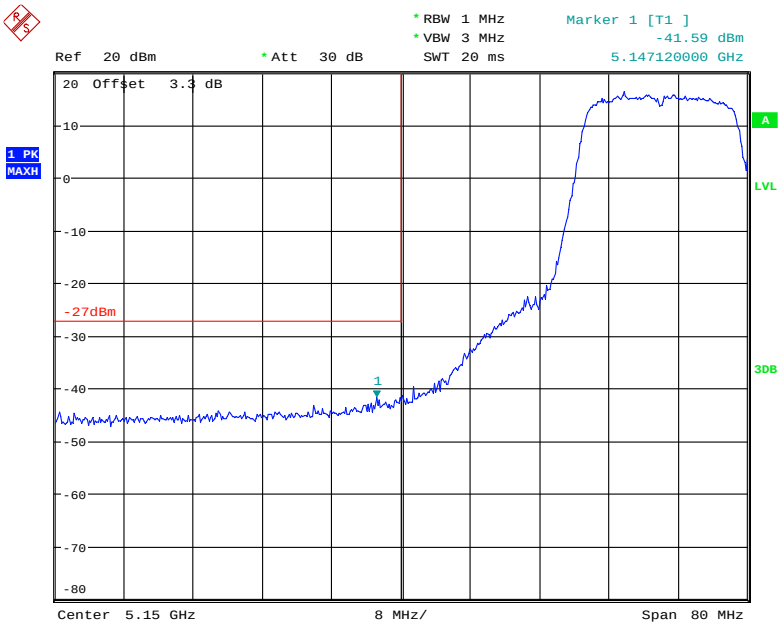

Date: 21.OCT.2017 15:32:54

## Chain 3, 802.11n ht40 High Channel



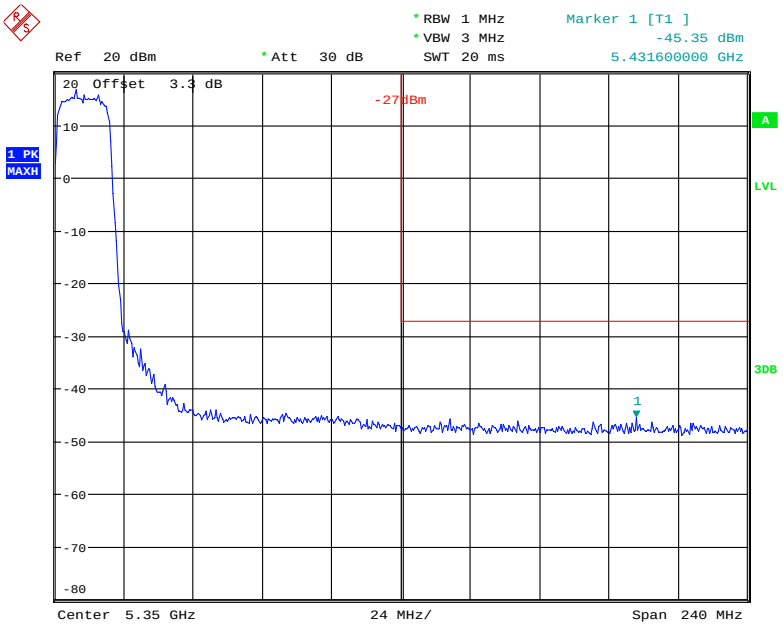

Date: 21.OCT.2017 15:34:29

## Chain 3, 802.11n ac20 Low Channel



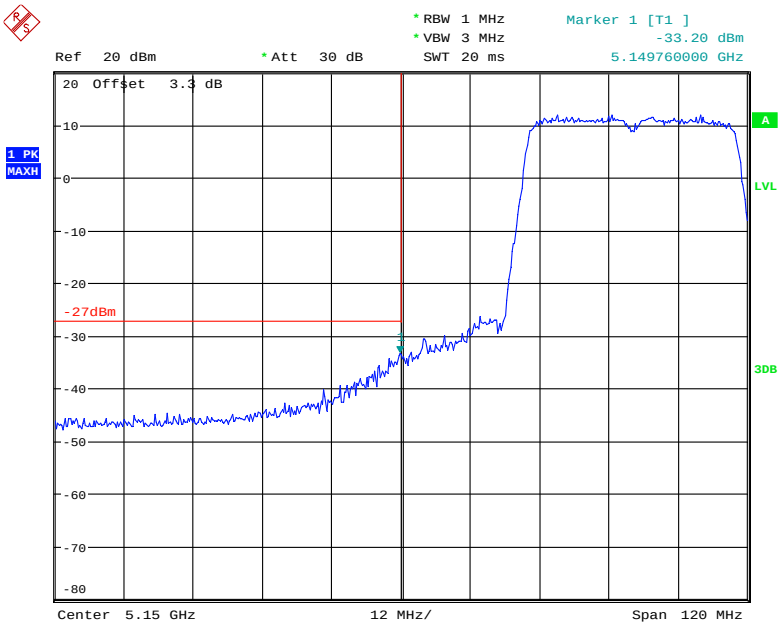

Date: 21.OCT.2017 15:27:14

## Chain 3, 802.11n ac20 High Channel



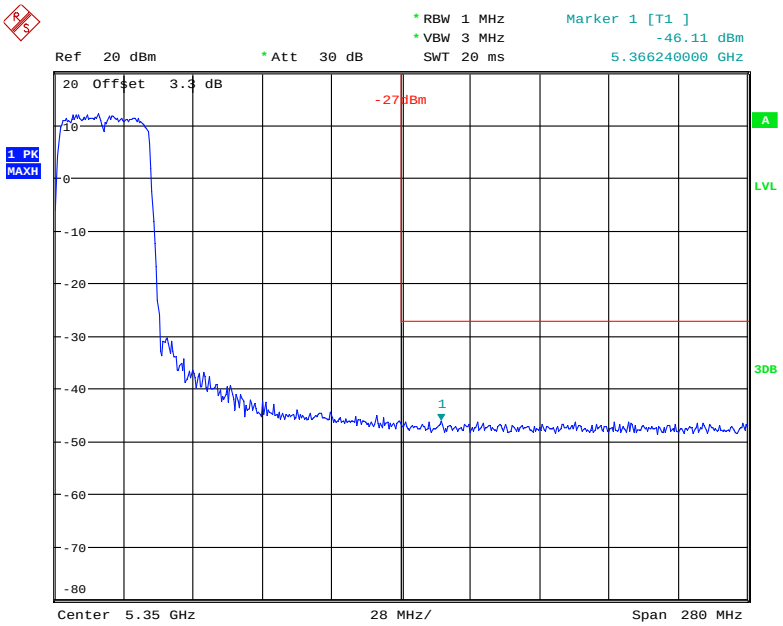

Date: 21.OCT.2017 15:30:25

## Chain 3, 802.11n ac40 Low Channel



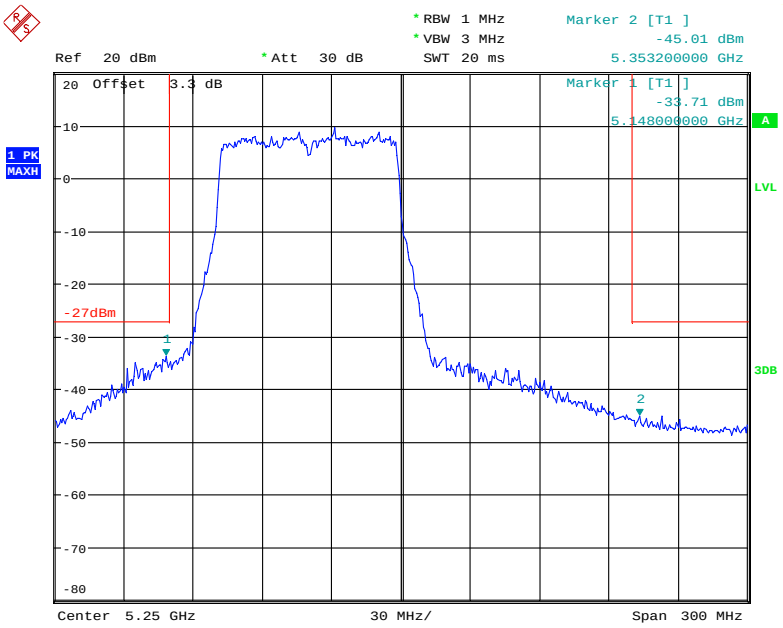

Date: 21.OCT.2017 15:43:45

## Chain 3, 802.11n ac40 High Channel




Date: 21.OCT.2017 15:42:08

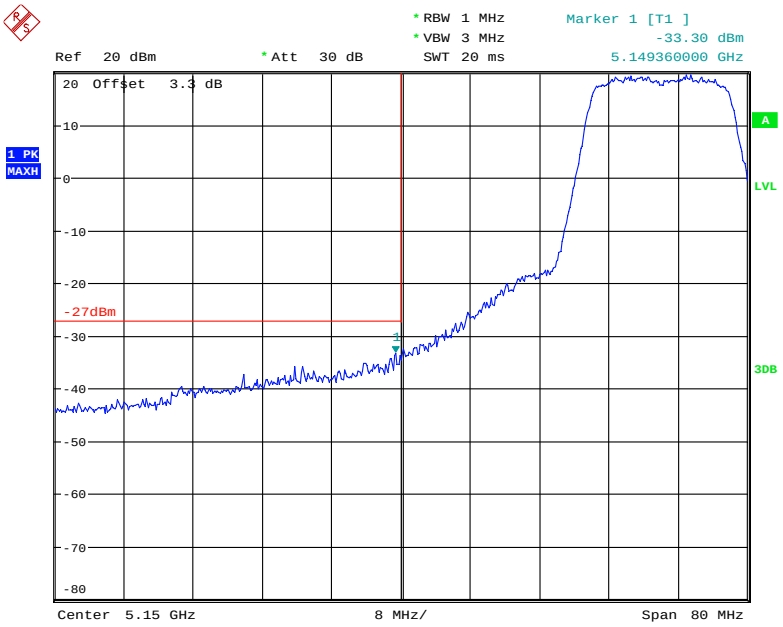
## Chain 3, 802.11 ac80 Middle Channel




Date: 31.OCT.2017 11:33:00

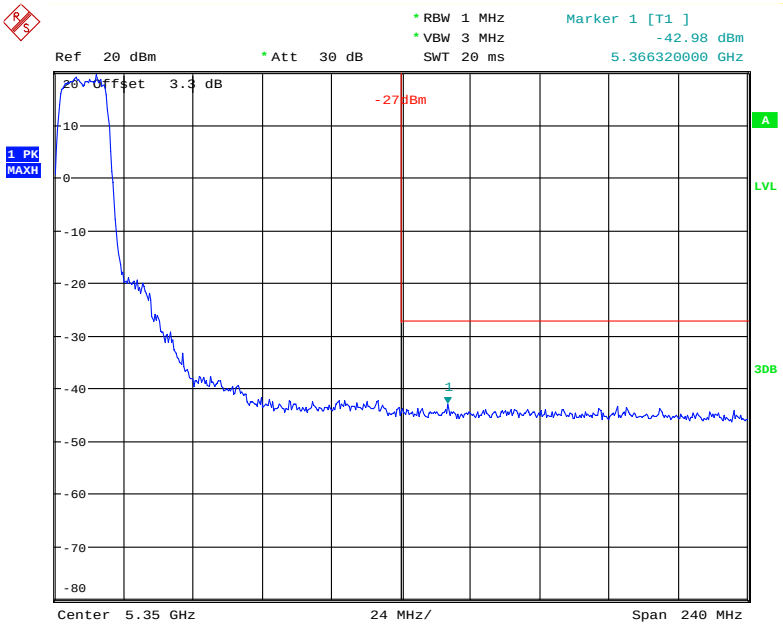
**Radio 1**
**5150-5250MHz:**

**Chain 0, 802.11a Low Channel**



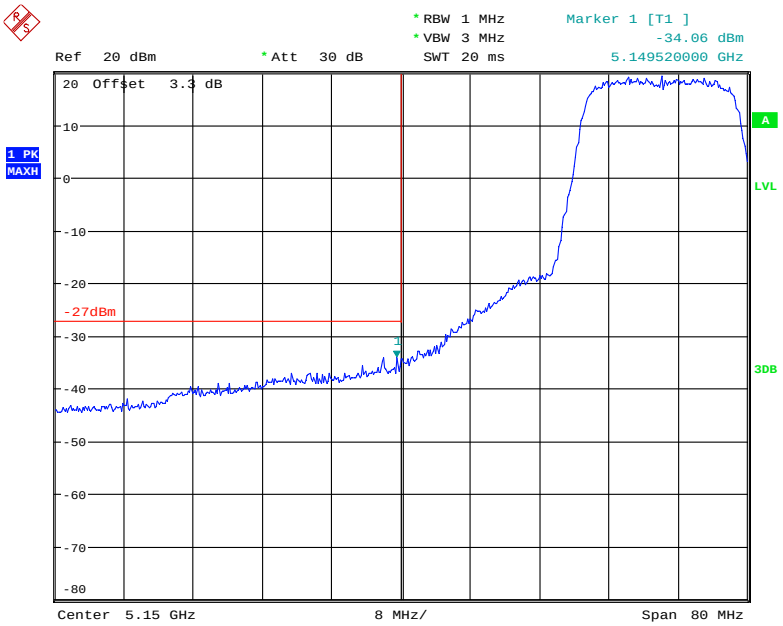

Date: 29.OCT.2017 10:37:14

**Chain 0, 802.11a High Channel**



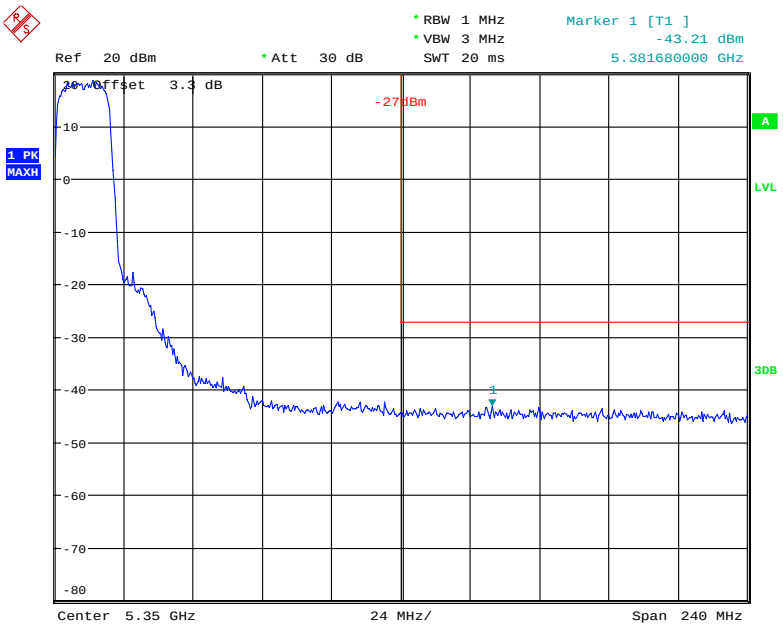

Date: 29.OCT.2017 10:40:52

## Chain 0, 802.11n ht20 Low Channel



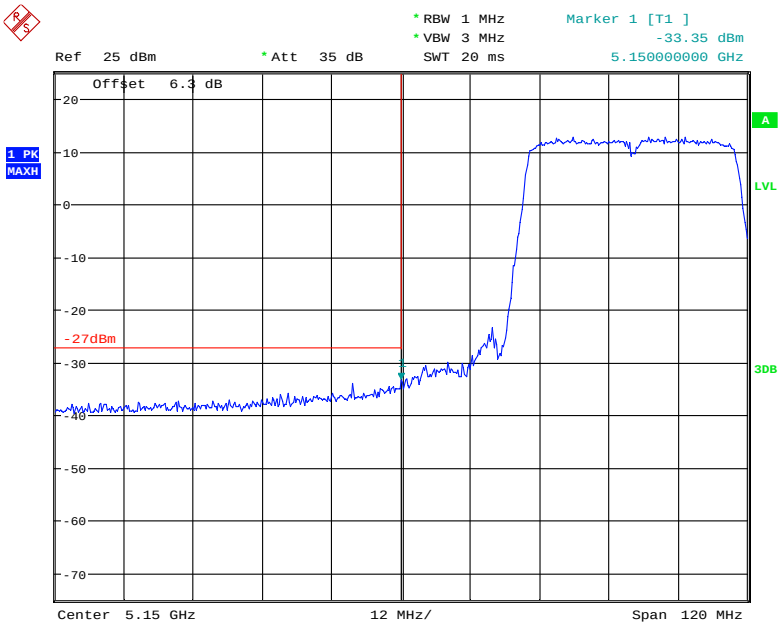

Date: 29.OCT.2017 14:13:56

## Chain 0, 802.11n ht20 High Channel



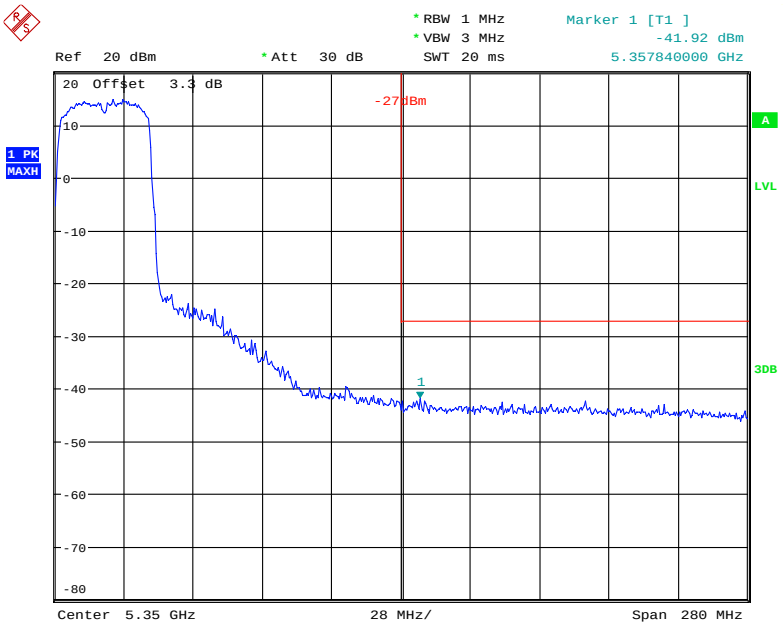

Date: 29.OCT.2017 14:11:16

## Chain 0, 802.11n ht40 Low Channel



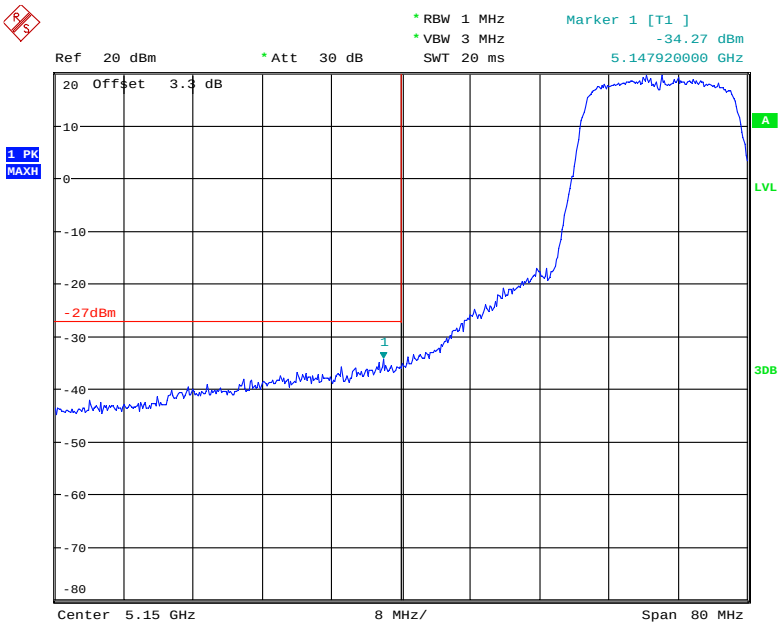

Date: 5.NOV.2017 16:00:11

## Chain 0, 802.11n ht40 High Channel



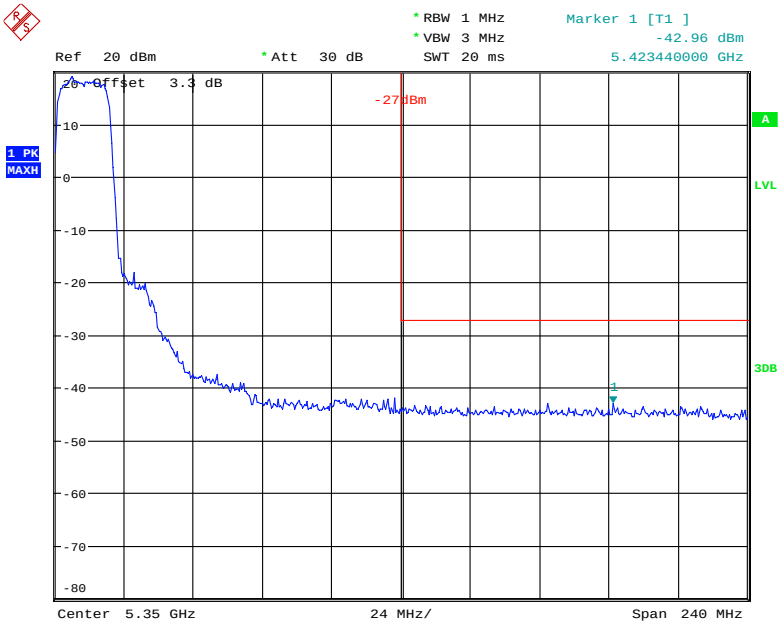

Date: 29.OCT.2017 17:56:28

## Chain 0, 802.11n ac20 Low Channel



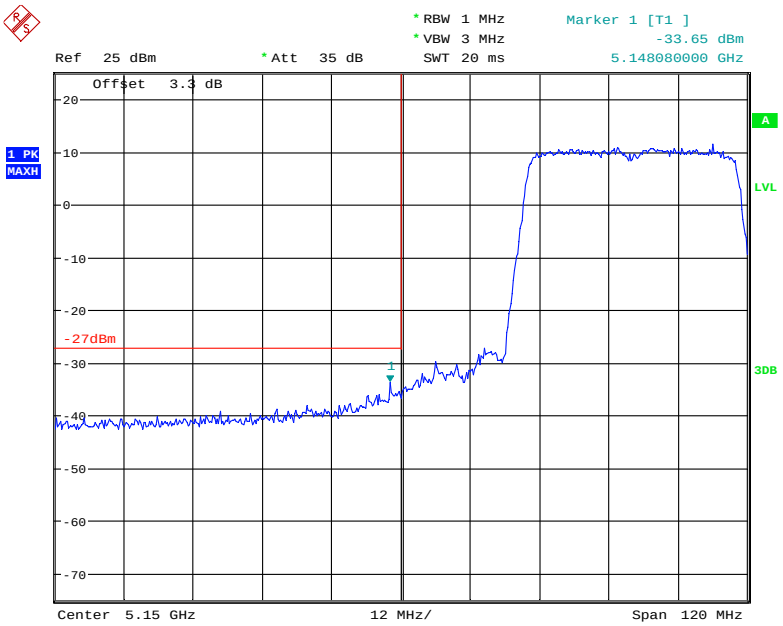

Date: 29.OCT.2017 14:16:05

## Chain 0, 802.11n ac20 High Channel



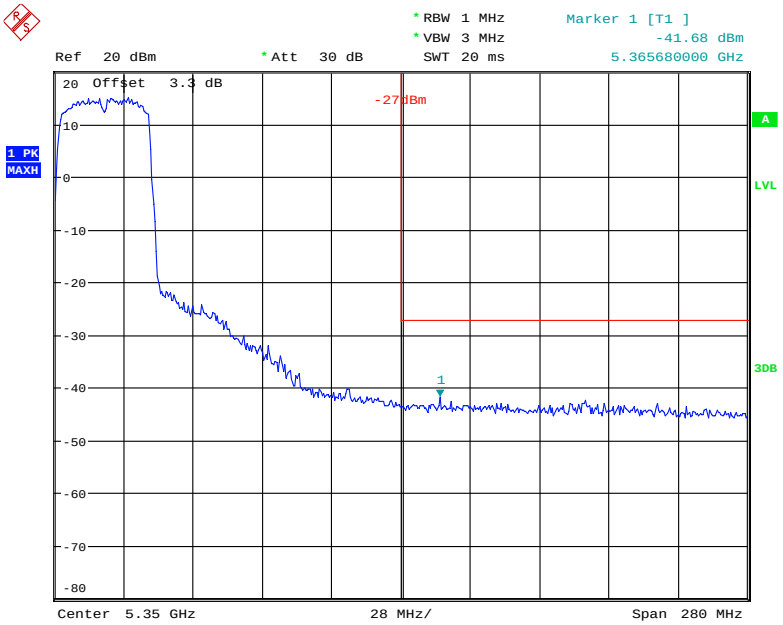

Date: 29.OCT.2017 14:18:42

## Chain 0, 802.11n ac40 Low Channel



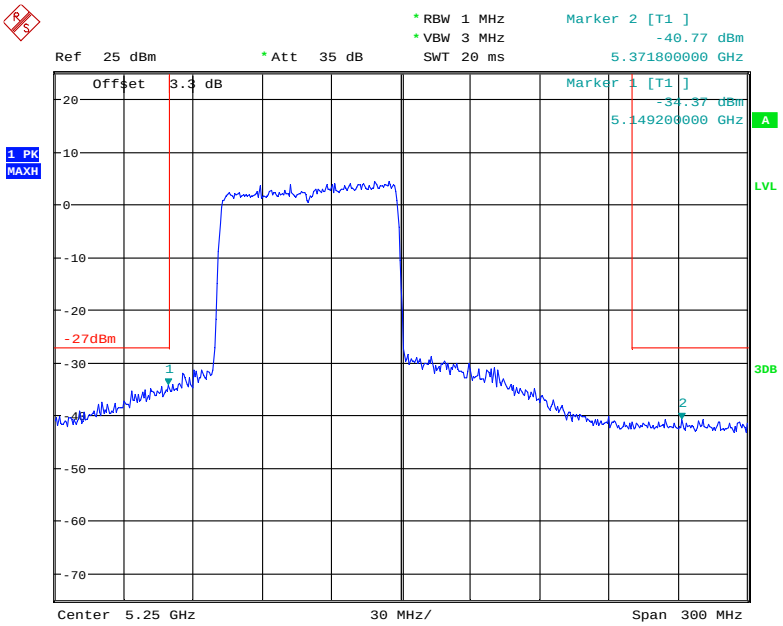

Date: 2.NOV.2017 22:25:32

## Chain 0, 802.11n ac40 High Channel



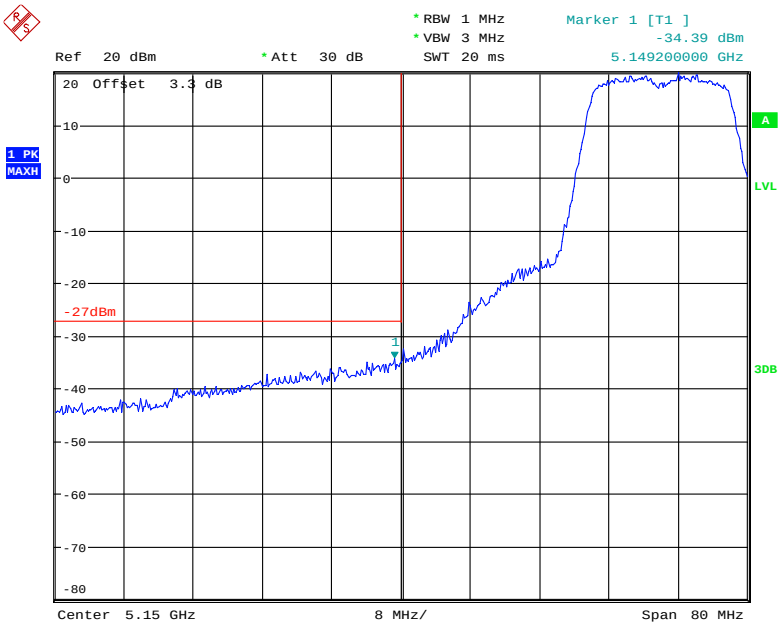

Date: 30.OCT.2017 18:48:20

## Chain 0, 802.11 ac80 Middle Channel



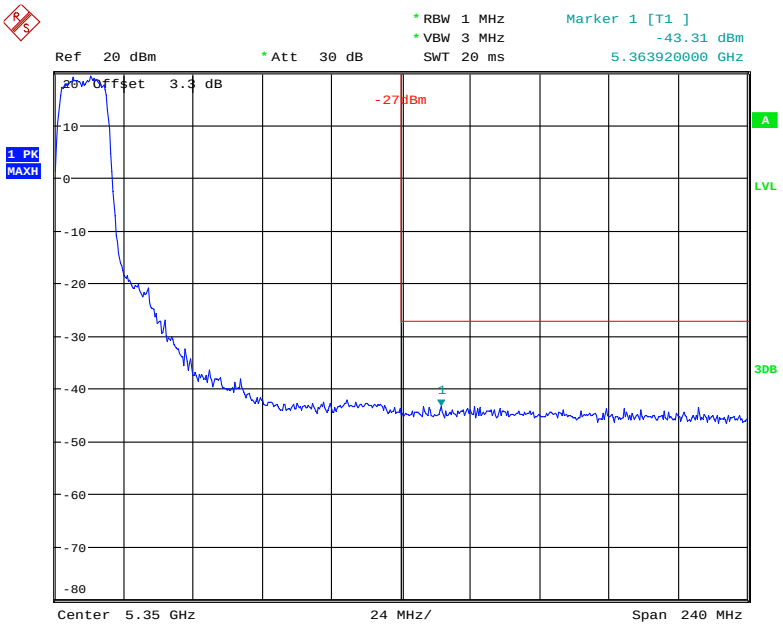

Date: 2.NOV.2017 22:32:27

## Chain 1, 802.11a Low Channel



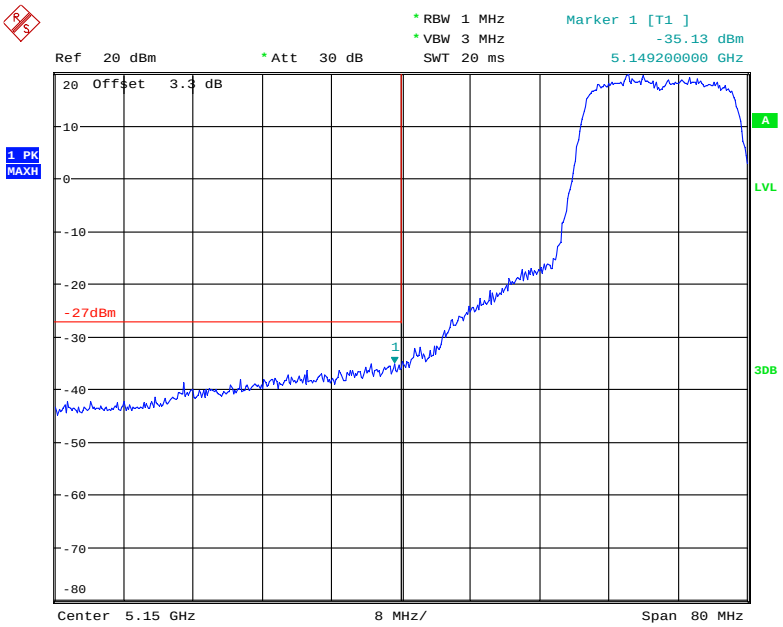

Date: 29.OCT.2017 11:25:17

## Chain 1, 802.11a High Channel



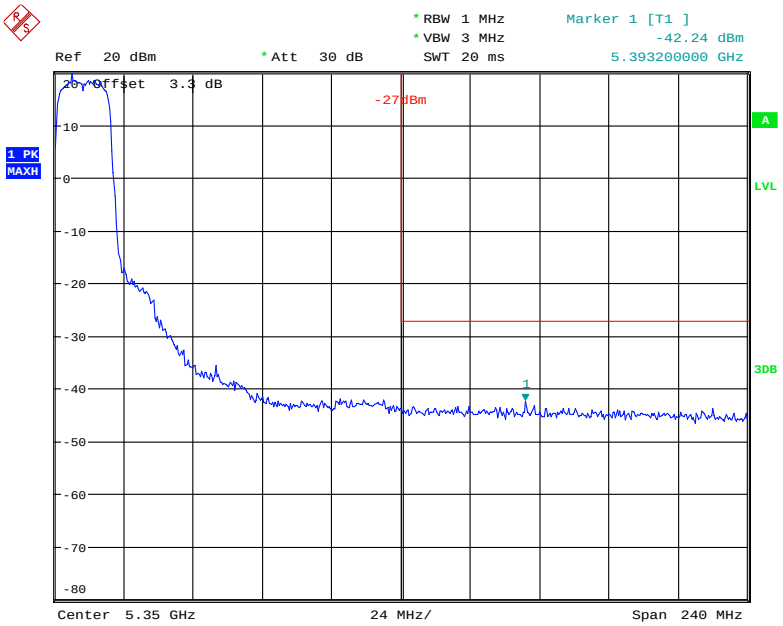

Date: 29.OCT.2017 11:23:04

## Chain 1, 802.11n ht20 Low Channel



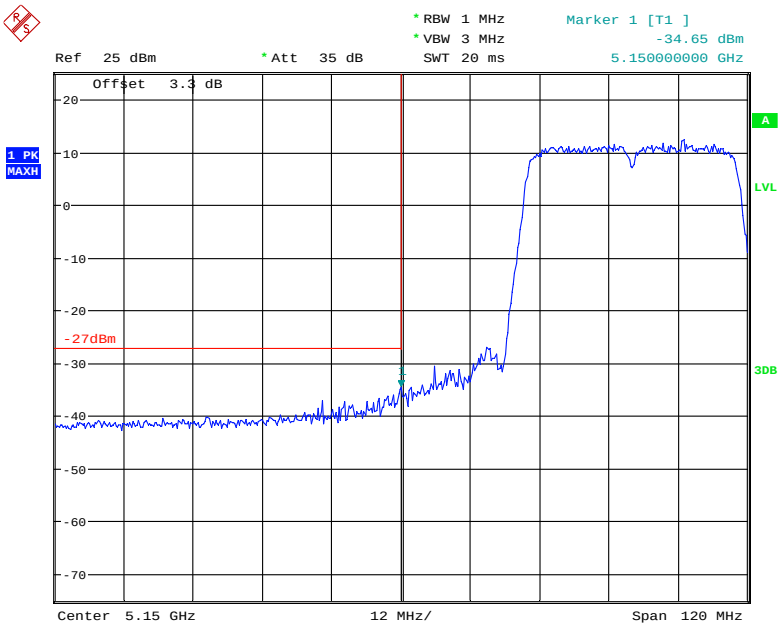

Date: 29.OCT.2017 13:40:00

## Chain 1, 802.11n ht20 High Channel



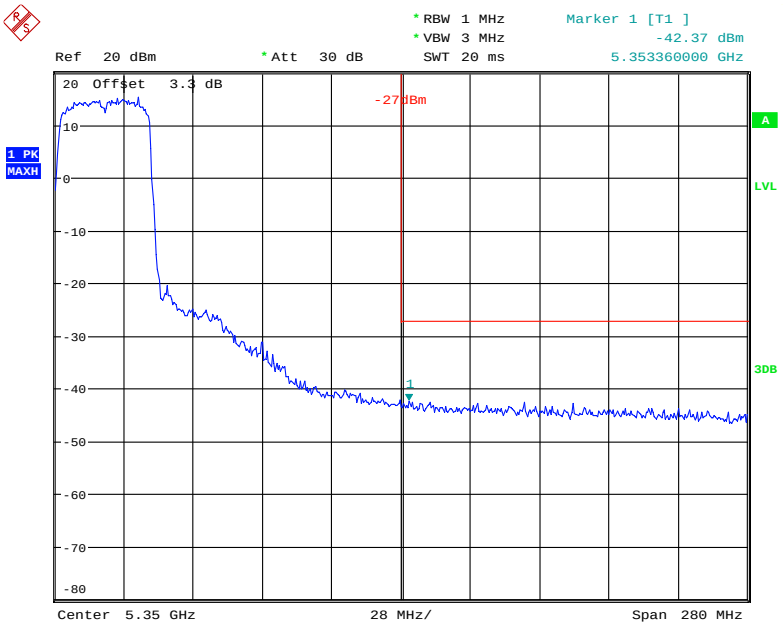

Date: 29.OCT.2017 13:42:52

## Chain 1, 802.11n ht40 Low Channel



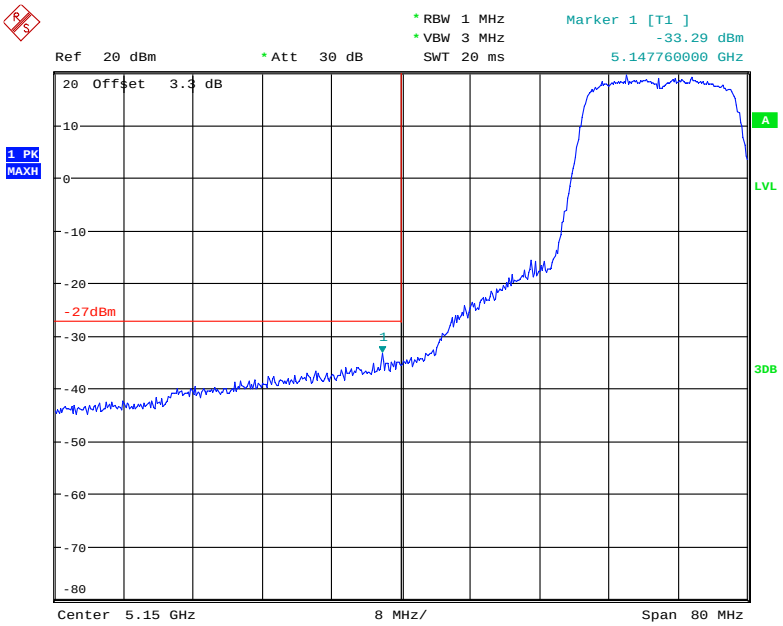

Date: 2.NOV.2017 20:30:52

## Chain 1, 802.11n ht40 High Channel



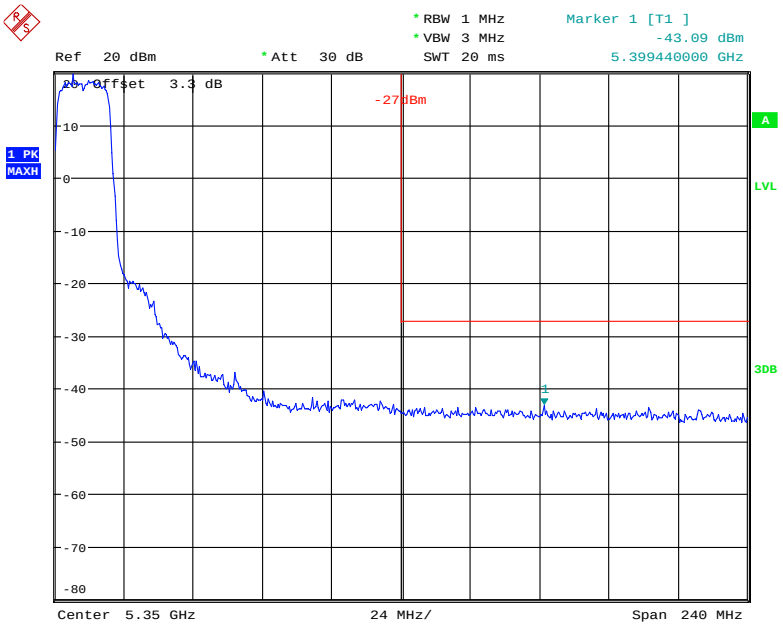

Date: 29.OCT.2017 17:27:36

## Chain 1, 802.11n ac20 Low Channel



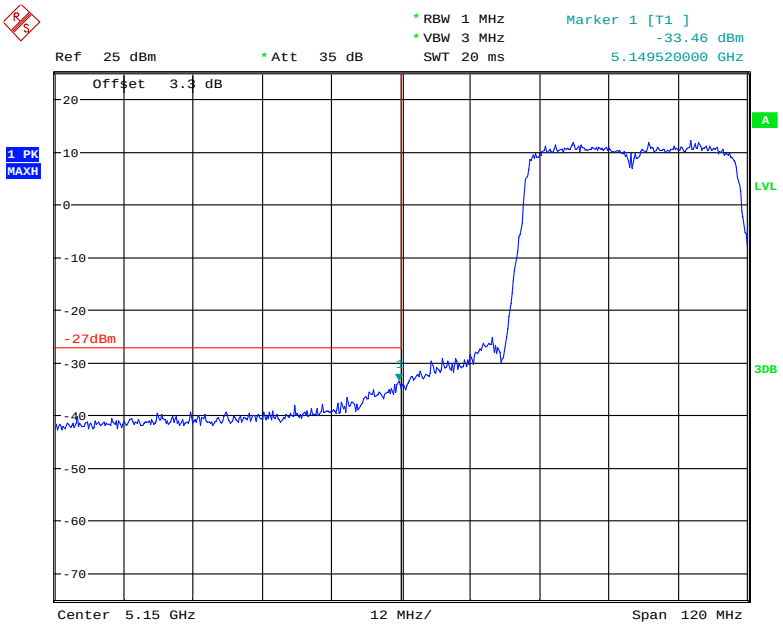

Date: 29.OCT.2017 15:01:34

## Chain 1, 802.11n ac20 High Channel



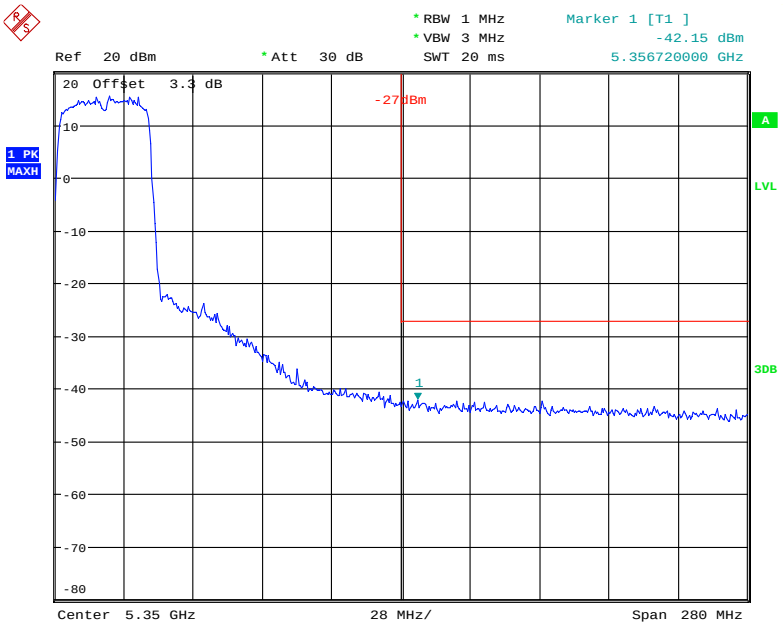

Date: 29.OCT.2017 14:58:21

## Chain 1, 802.11n ac40 Low Channel



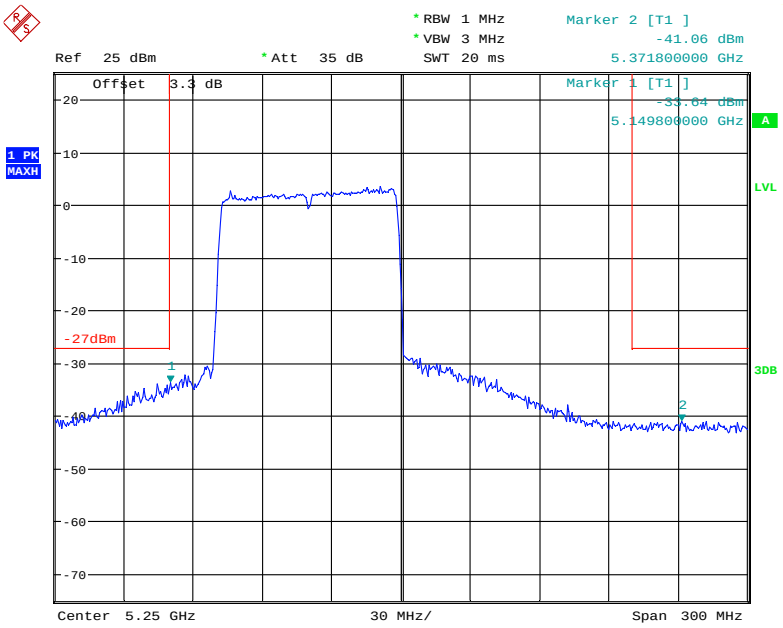

Date: 2.NOV.2017 22:24:38

## Chain 1, 802.11n ac40 High Channel



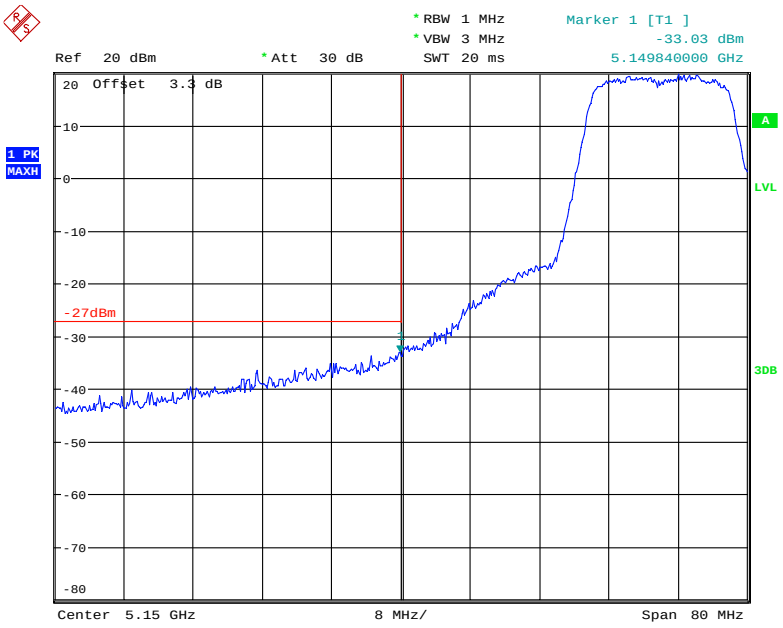

Date: 30.OCT.2017 19:50:13

## Chain 1, 802.11 ac80 Middle Channel



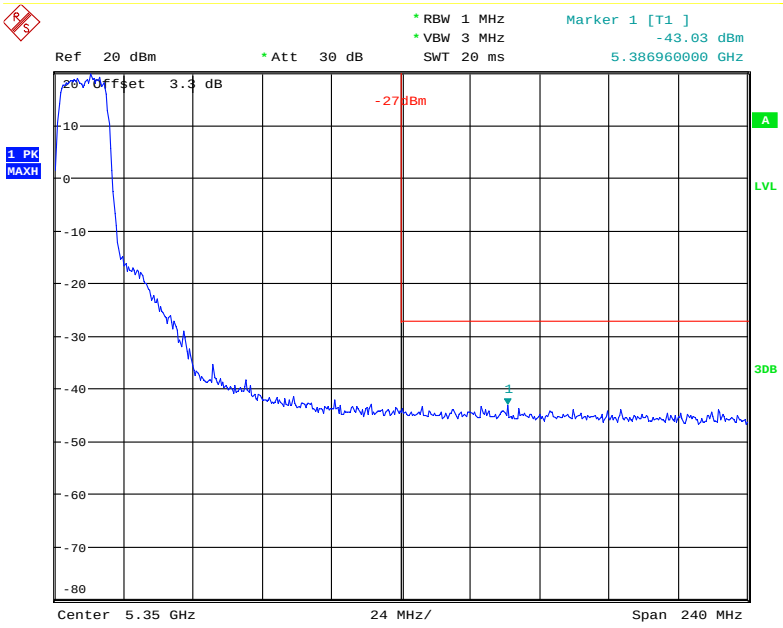

Date: 2.NOV.2017 22:28:24

## Chain 2, 802.11a Low Channel



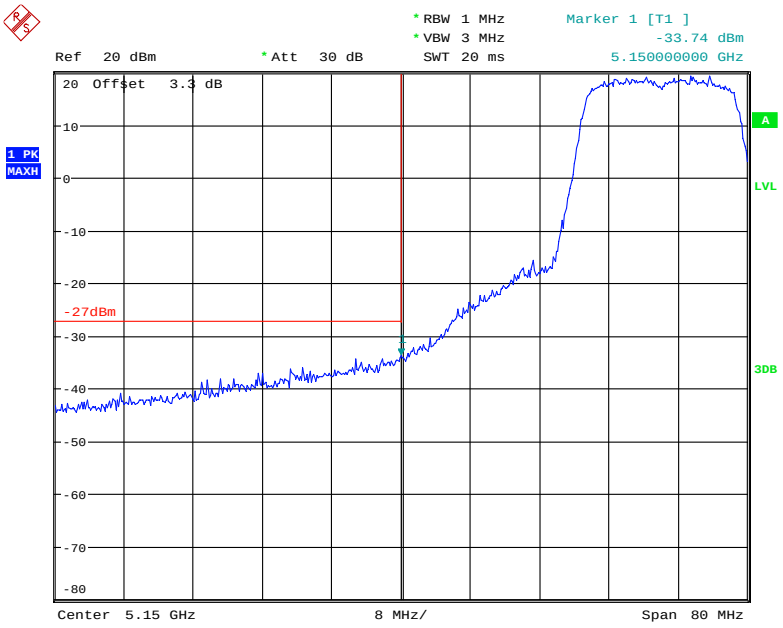

Date: 29.OCT.2017 11:26:52

## Chain 2, 802.11a High Channel



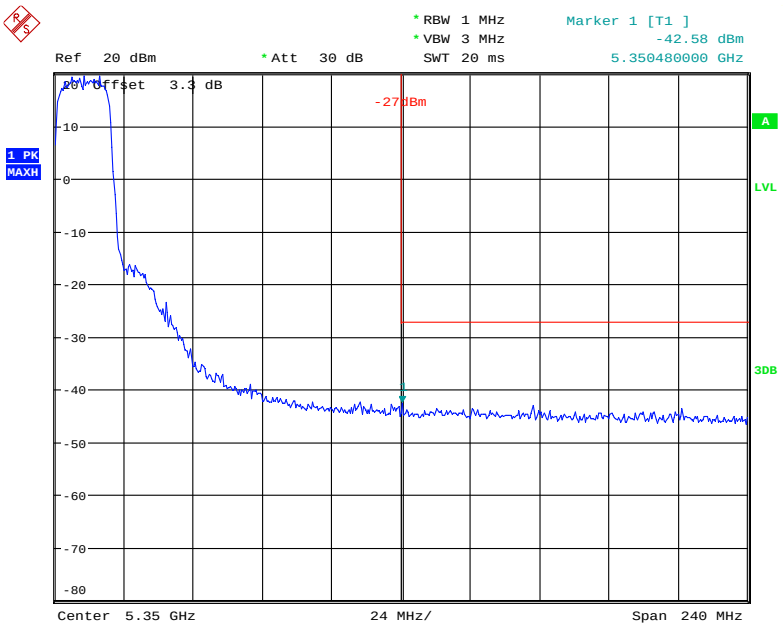

Date: 29.OCT.2017 11:29:08

## Chain 2, 802.11n ht20 Low Channel



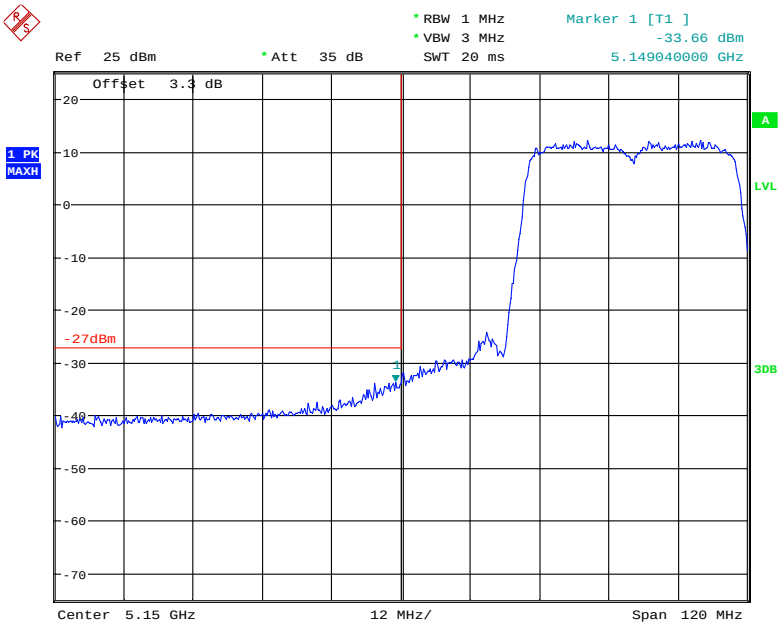

Date: 29.OCT.2017 13:38:16

## Chain 2, 802.11n ht20 High Channel



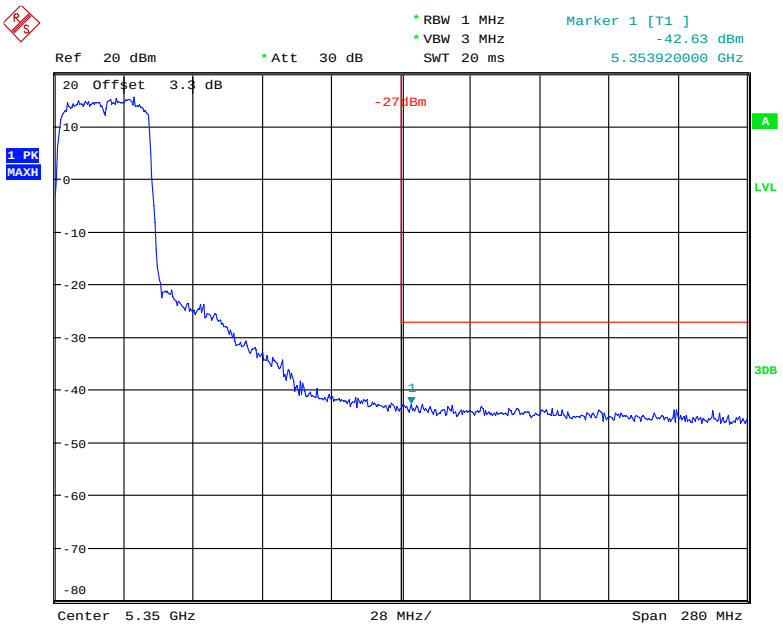

Date: 29.OCT.2017 13:36:00

## Chain 2, 802.11n ht40 Low Channel



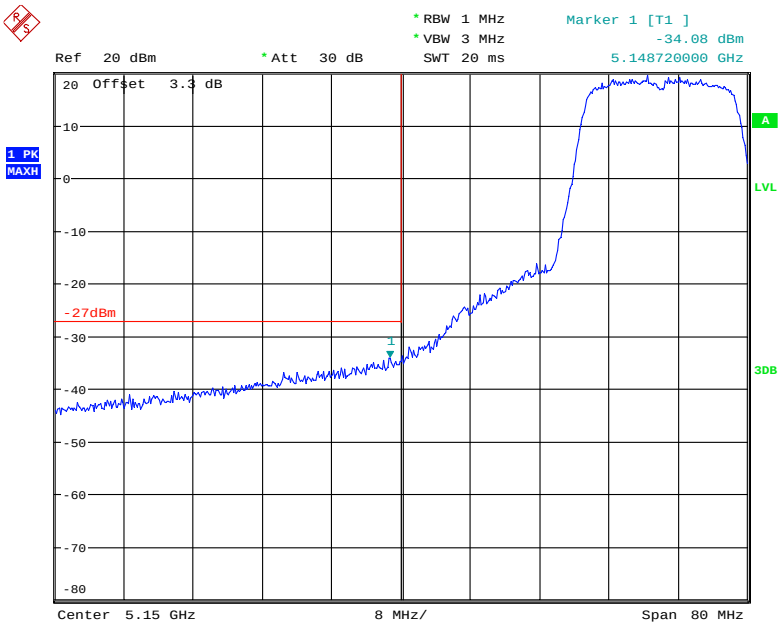

Date: 2.NOV.2017 20:28:46

## Chain 2, 802.11n ht40 High Channel



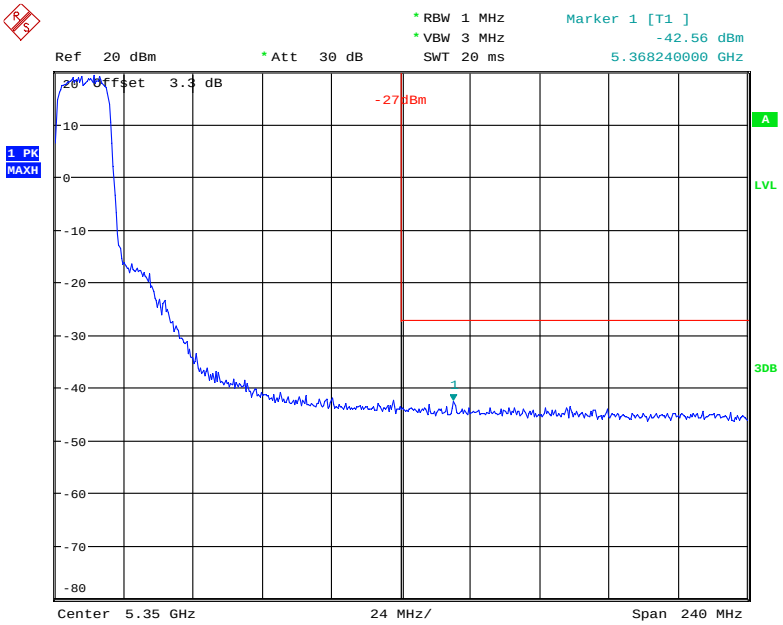

Date: 29.OCT.2017 17:22:05

## Chain 2, 802.11n ac20 Low Channel



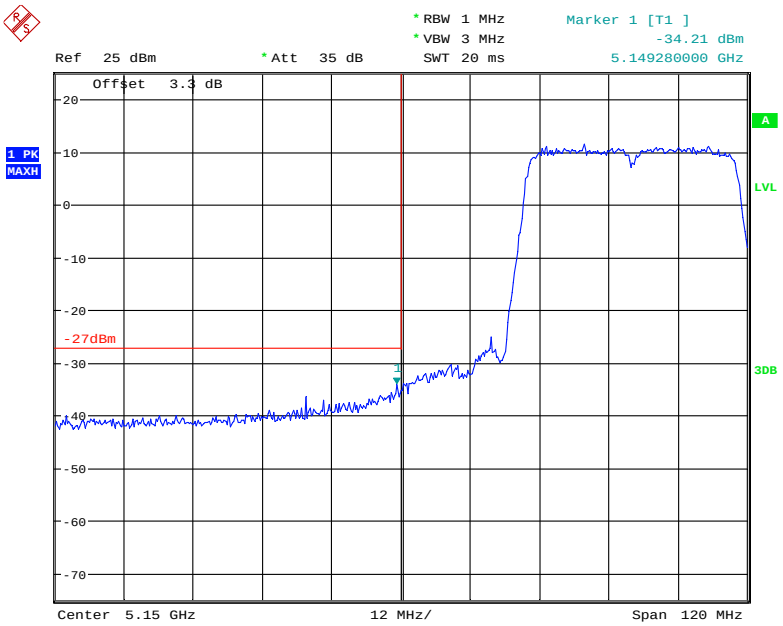

Date: 29.OCT.2017 15:03:20

## Chain 2, 802.11n ac20 High Channel



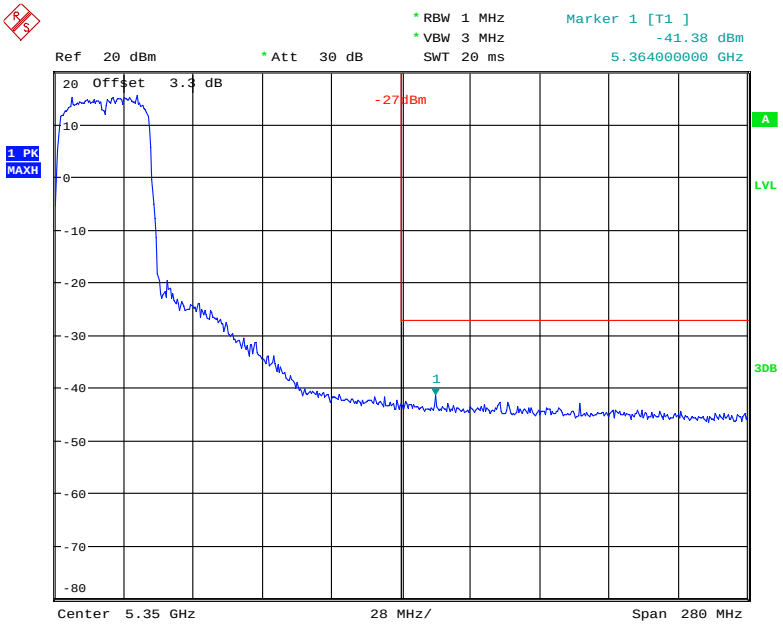

Date: 29.OCT.2017 15:08:04

## Chain 2, 802.11n ac40 Low Channel



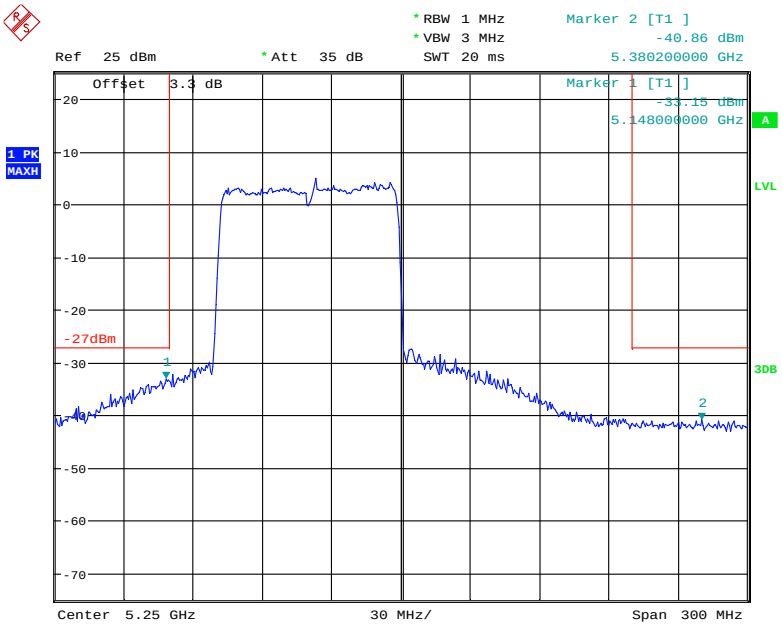

Date: 2.NOV.2017 20:29:26

## Chain 2, 802.11n ac40 High Channel



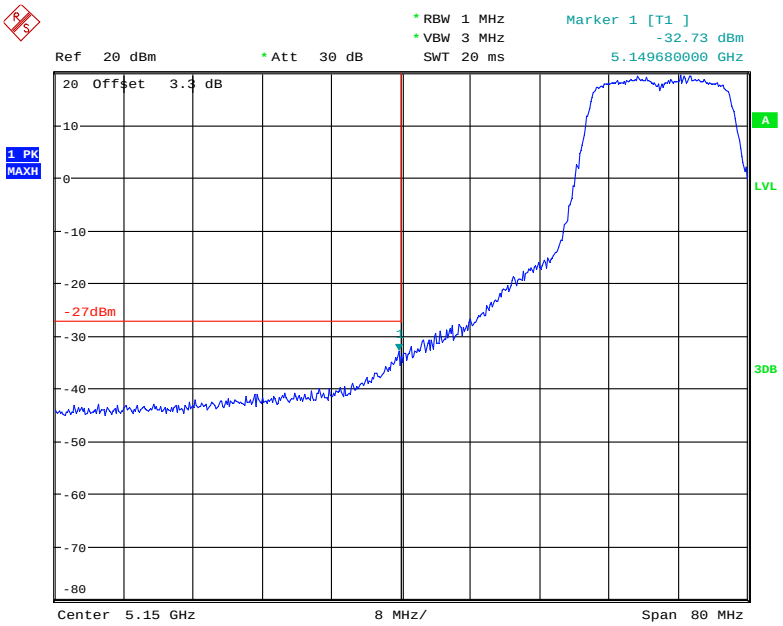

Date: 30.OCT.2017 19:56:08

## Chain 2, 802.11 ac80 Middle Channel



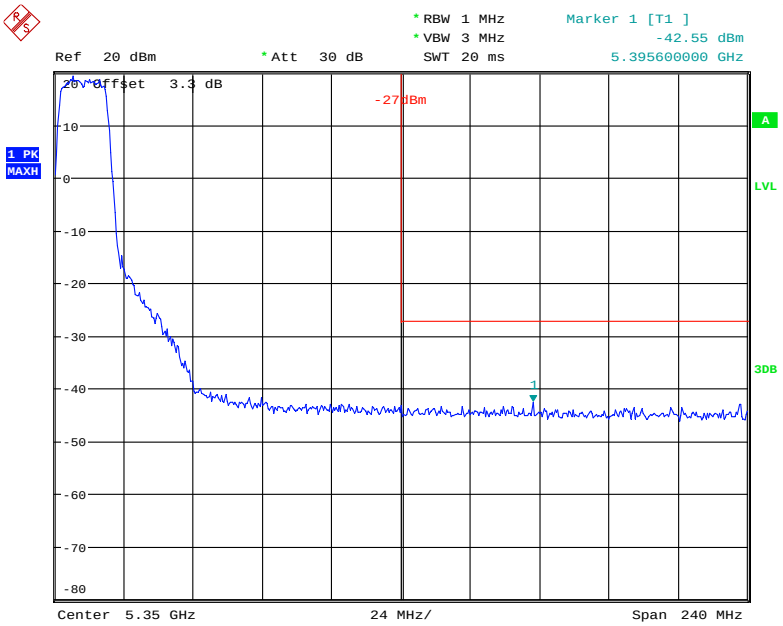

Date: 2.NOV.2017 22:31:10

## Chain 3, 802.11a Low Channel



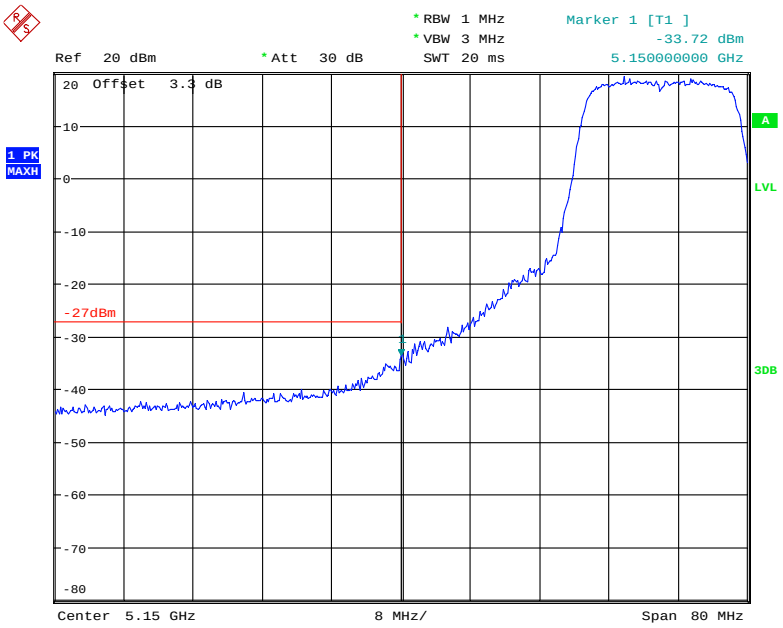

Date: 29.OCT.2017 12:00:02

## Chain 3, 802.11a High Channel



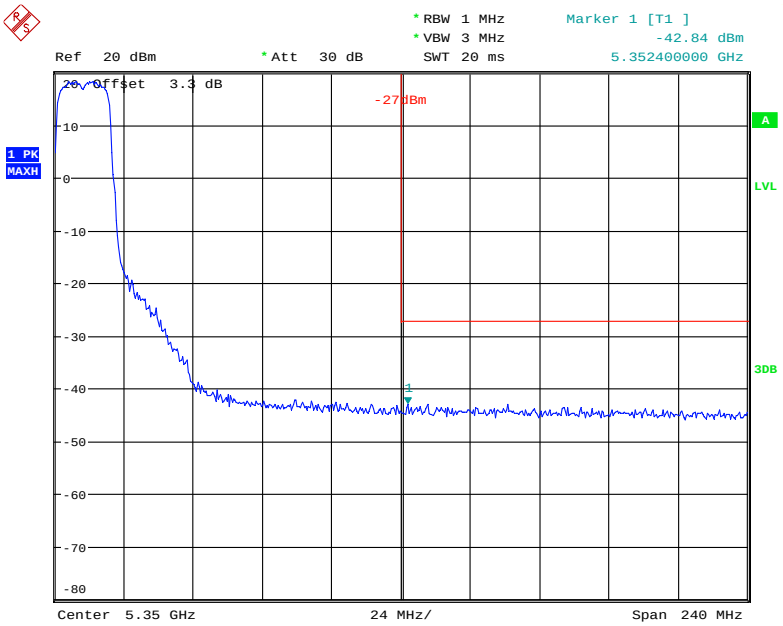

Date: 29.OCT.2017 11:57:47

## Chain 3, 802.11n ht20 Low Channel



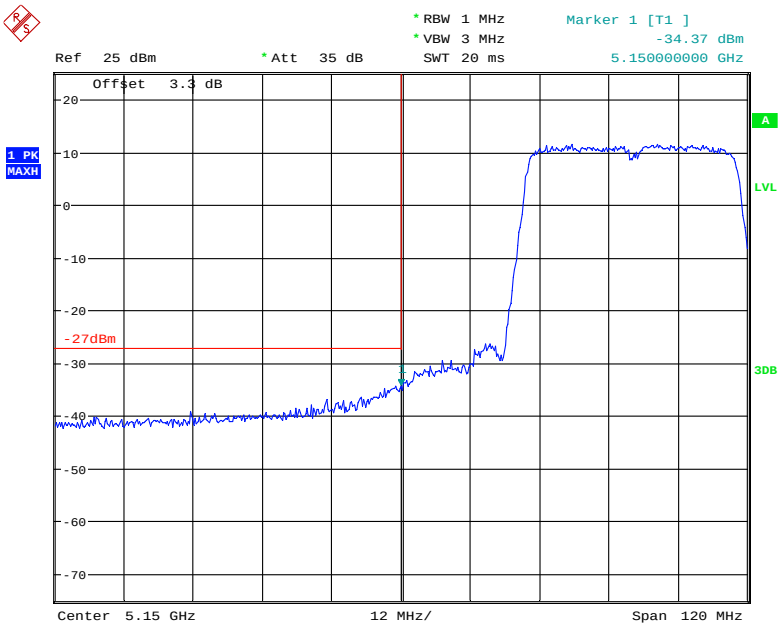

Date: 29.OCT.2017 12:02:49

## Chain 3, 802.11n ht20 High Channel



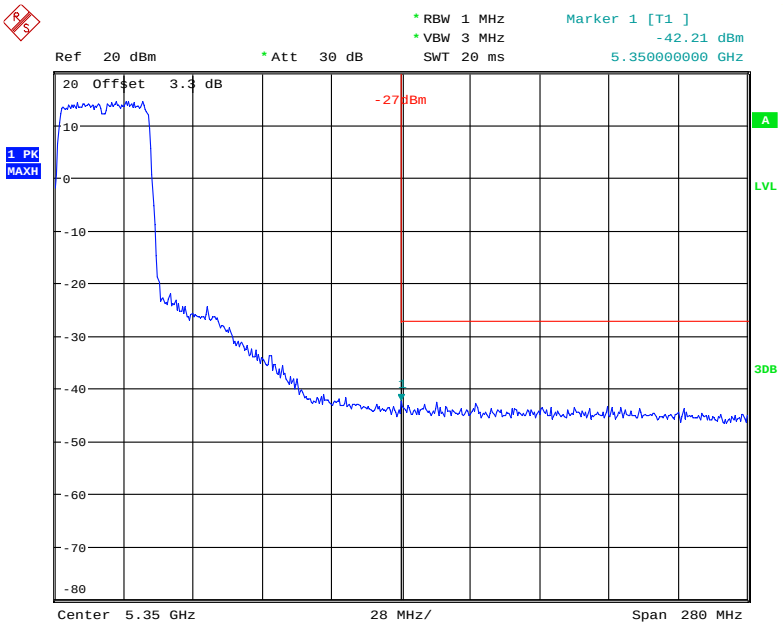

Date: 29.OCT.2017 12:05:13

## Chain 3, 802.11n ht40 Low Channel



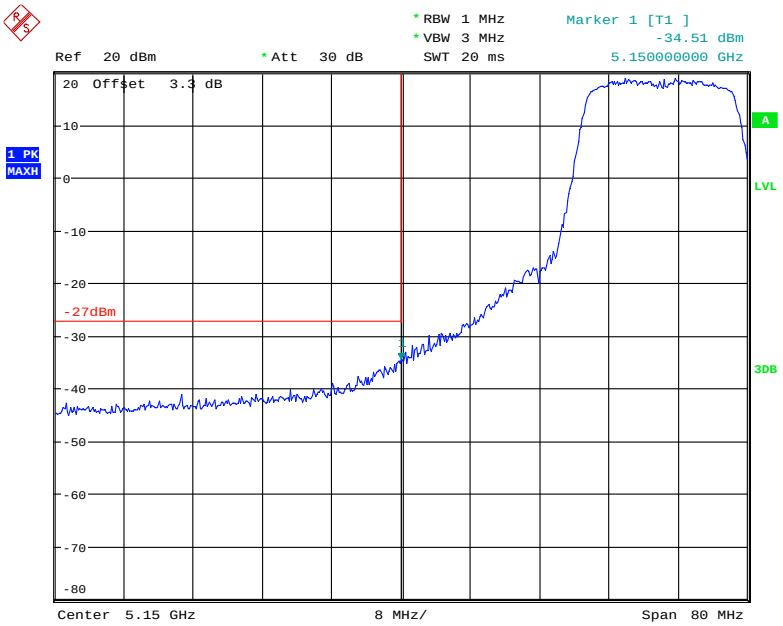

Date: 1.NOV.2017 22:41:48

## Chain 3, 802.11n ht40 High Channel



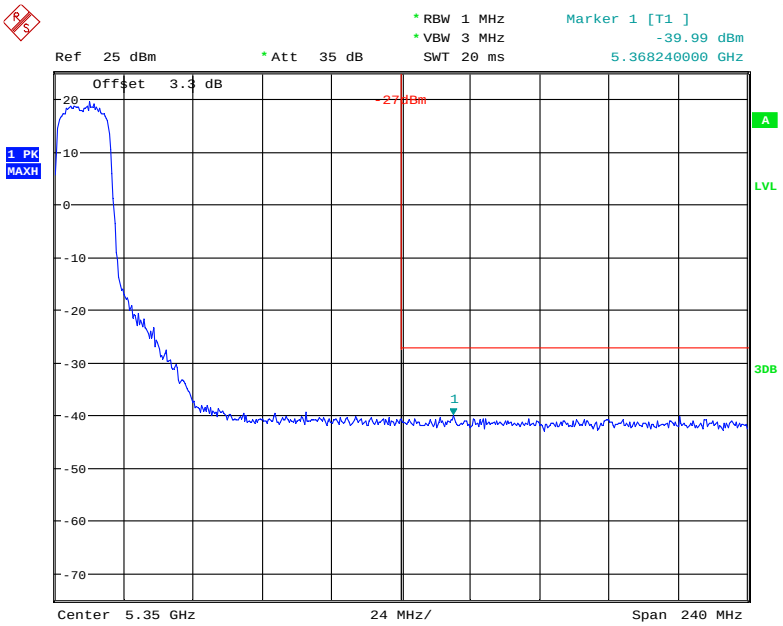

Date: 29.OCT.2017 15:49:31

## Chain 3, 802.11n ac20 Low Channel



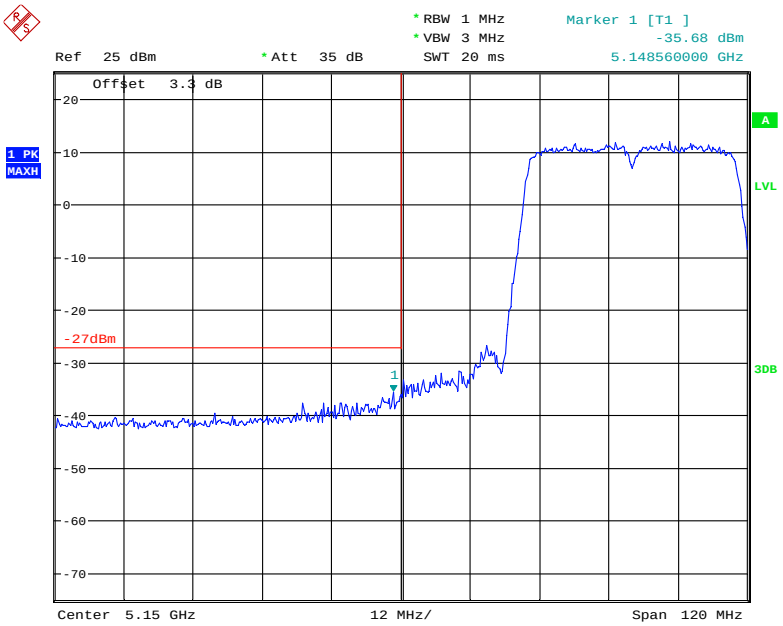

Date: 29.OCT.2017 15:42:40

## Chain 3, 802.11n ac20 High Channel



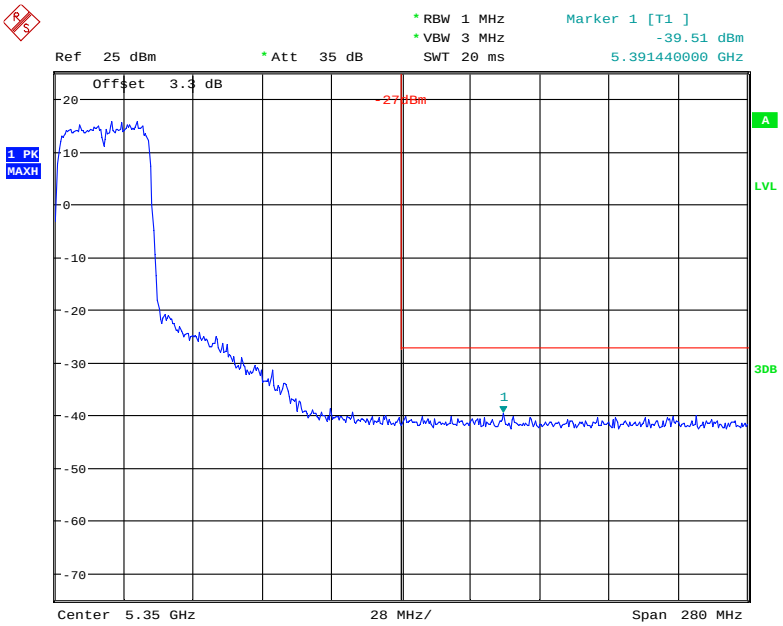

Date: 2.NOV.2017 19:45:52

## Chain 3, 802.11n ac40 Low Channel



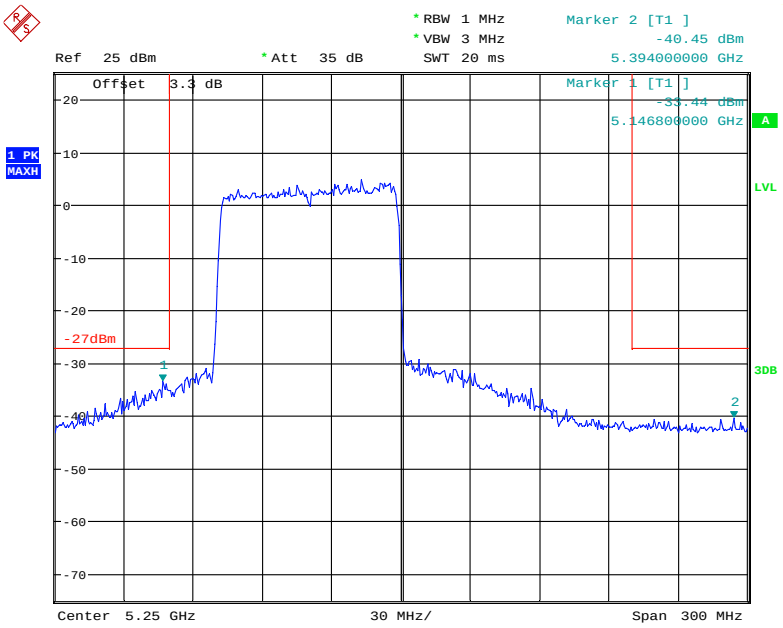

Date: 2.NOV.2017 22:21:41

## Chain 3, 802.11n ac40 High Channel




Date: 2.NOV.2017 22:19:15

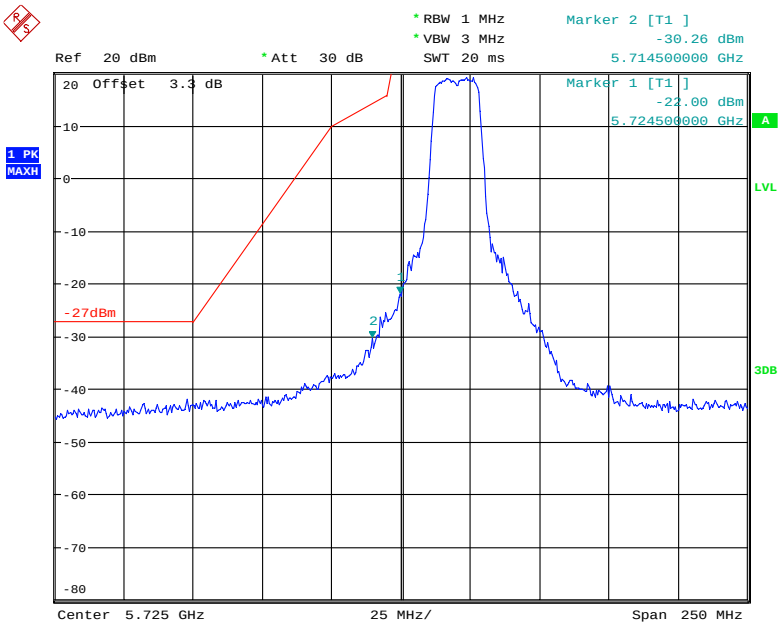
## Chain 3, 802.11 ac80 Middle Channel




Date: 2.NOV.2017 22:33:12

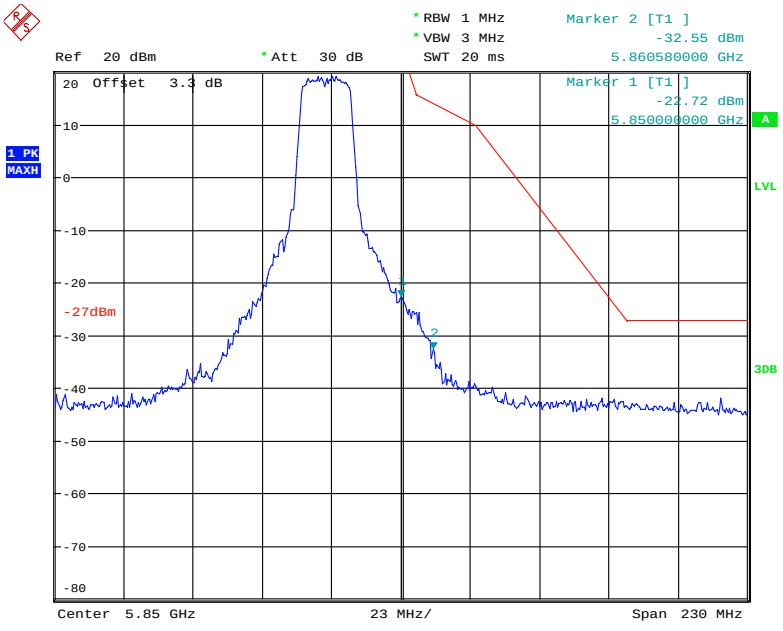
**5725-5850MHz:**

## Chain 0, 802.11a Low Channel



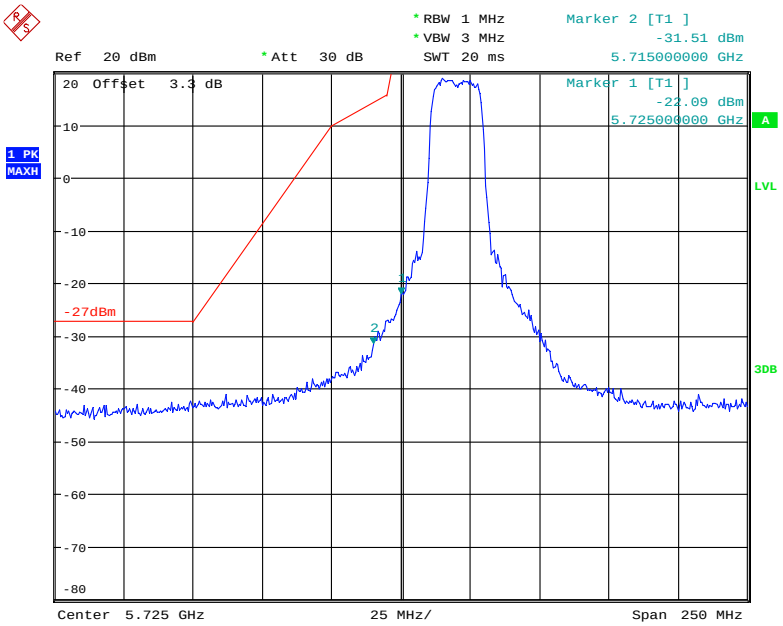

Date: 29.OCT.2017 10:50:52

## Chain 0, 802.11a High Channel



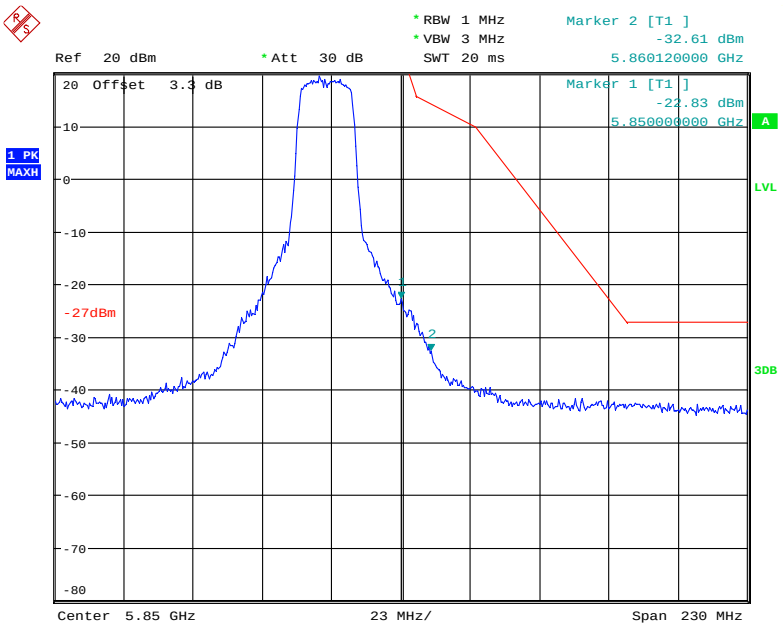

Date: 29.OCT.2017 10:54:09

## Chain 0, 802.11n ht20 Low Channel



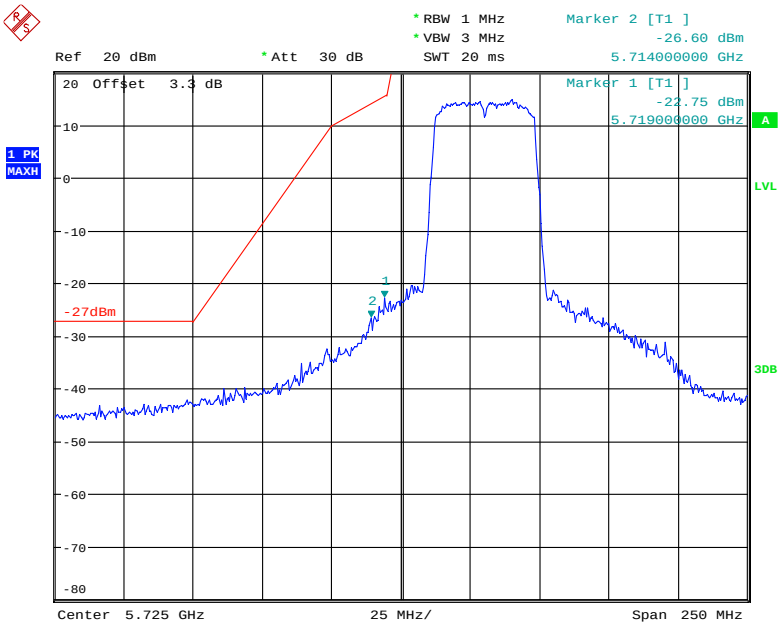

Date: 29.OCT.2017 14:01:24

## Chain 0, 802.11n ht20 High Channel



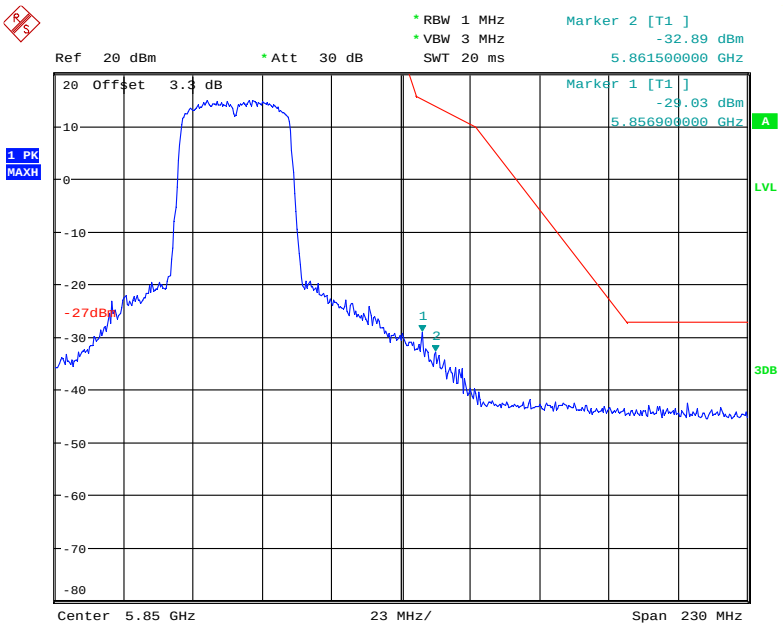

Date: 29.OCT.2017 13:58:11

## Chain 0, 802.11n ht40 Low Channel



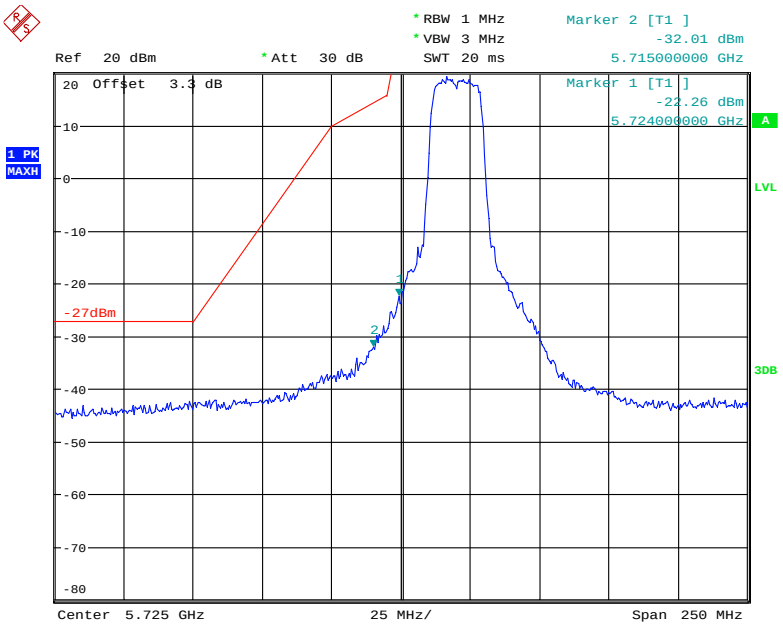

Date: 29.OCT.2017 17:44:16

## Chain 0, 802.11n ht40 High Channel



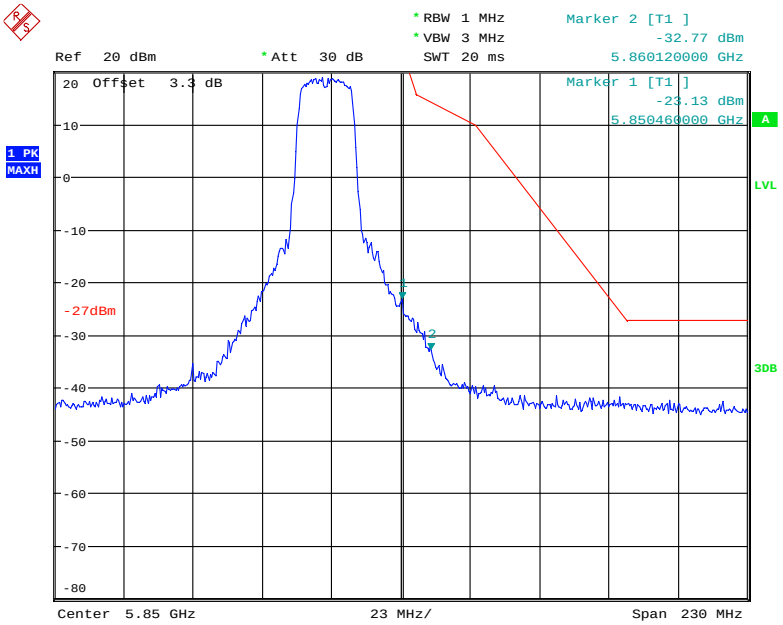

Date: 29.OCT.2017 17:42:15

## Chain 0, 802.11n ac20 Low Channel



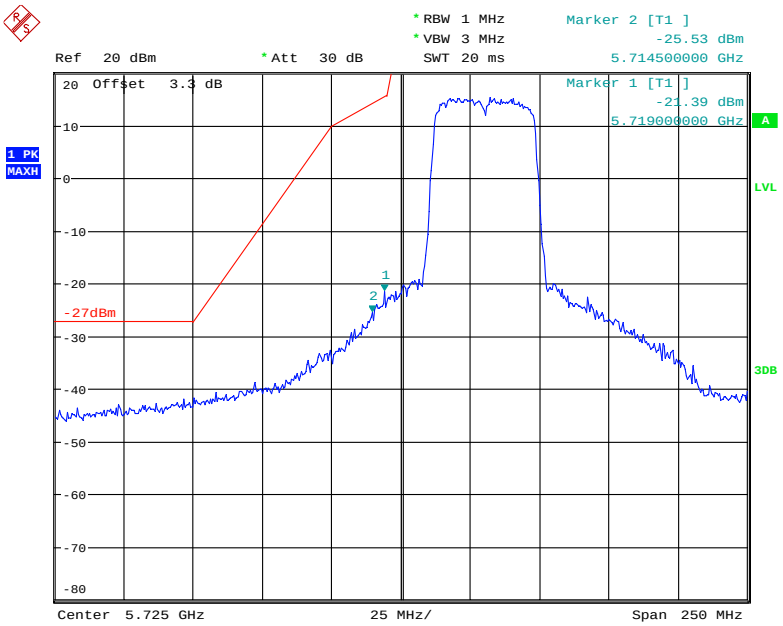

Date: 29.OCT.2017 14:29:35

## Chain 0, 802.11n ac20 High Channel



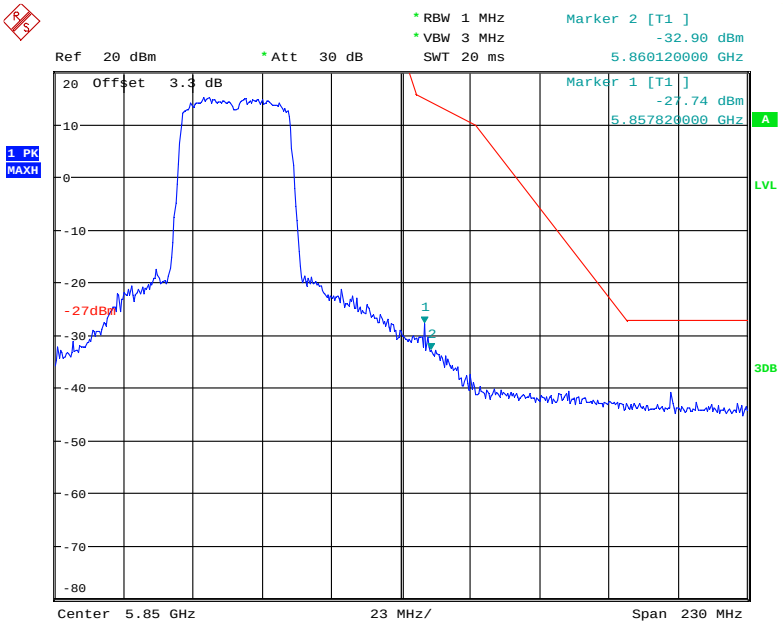

Date: 29.OCT.2017 14:32:46

## Chain 0, 802.11n ac40 Low Channel



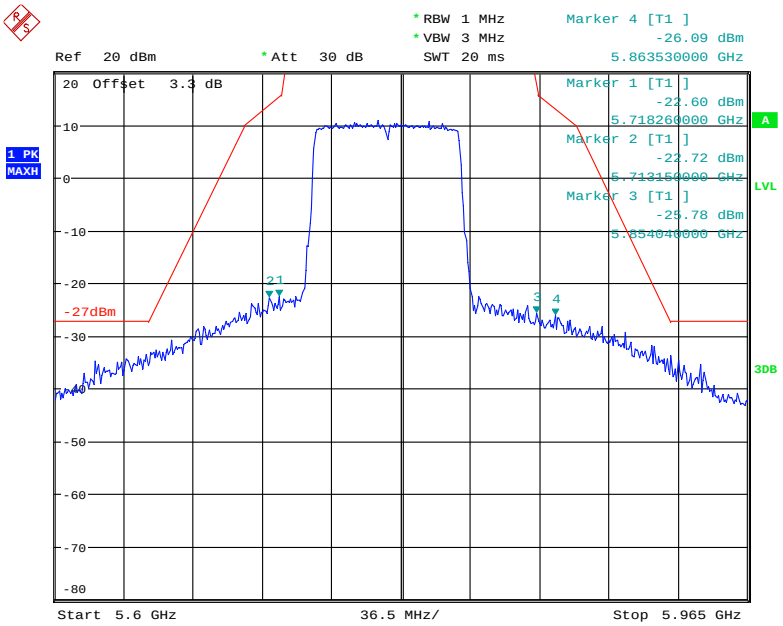

Date: 30.OCT.2017 19:00:46

## Chain 0, 802.11n ac40 High Channel



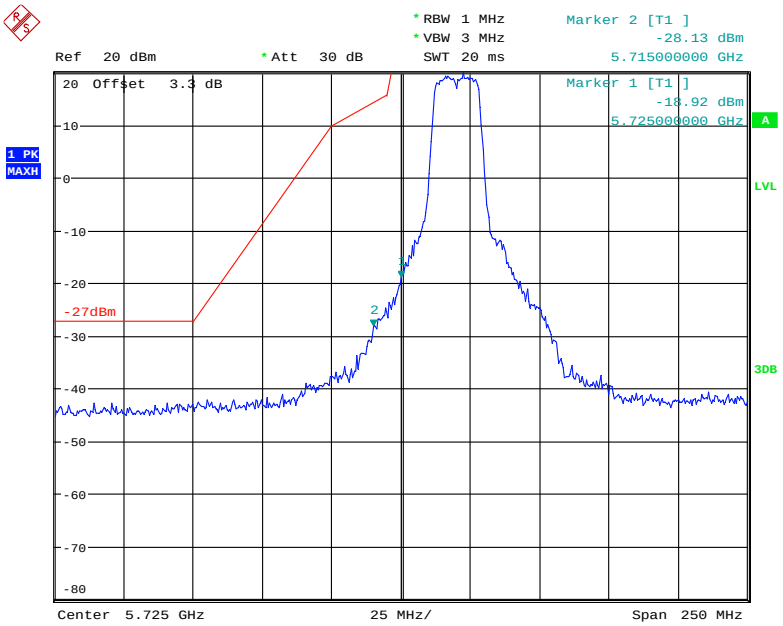

Date: 30.OCT.2017 19:02:35

## Chain 0, 802.11 ac80 Middle Channel



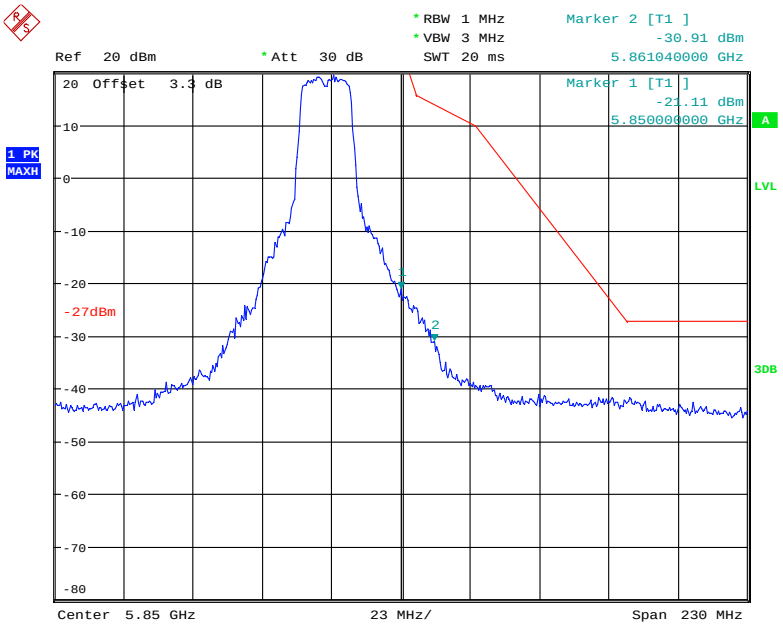

Date: 30.OCT.2017 22:21:35

## Chain 1, 802.11a Low Channel



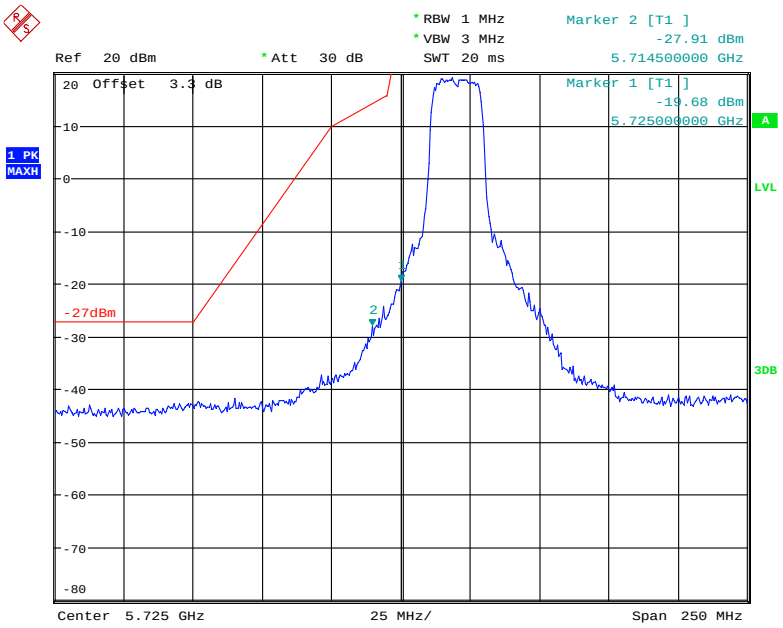

Date: 29.OCT.2017 10:59:37

## Chain 1, 802.11a High Channel



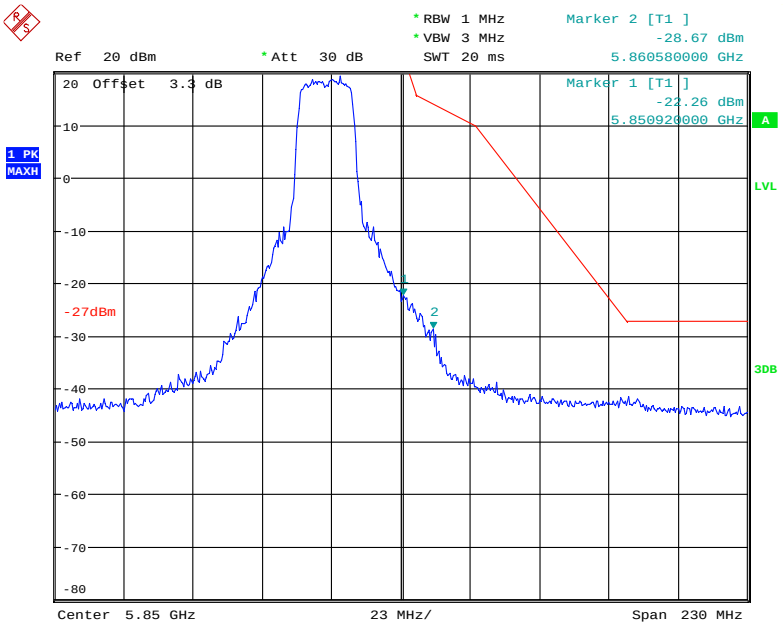

Date: 29.OCT.2017 10:56:42

## Chain 1, 802.11n ht20 Low Channel



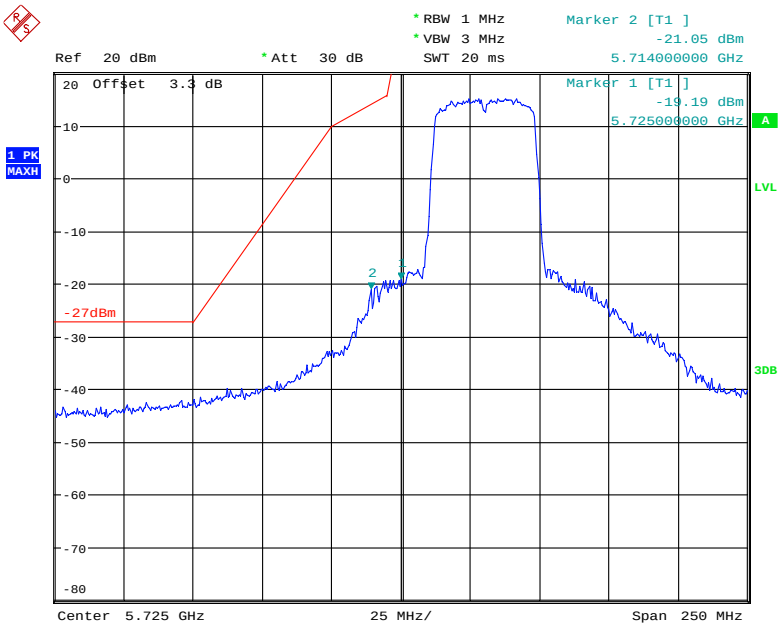

Date: 29.OCT.2017 13:52:44

## Chain 1, 802.11n ht20 High Channel



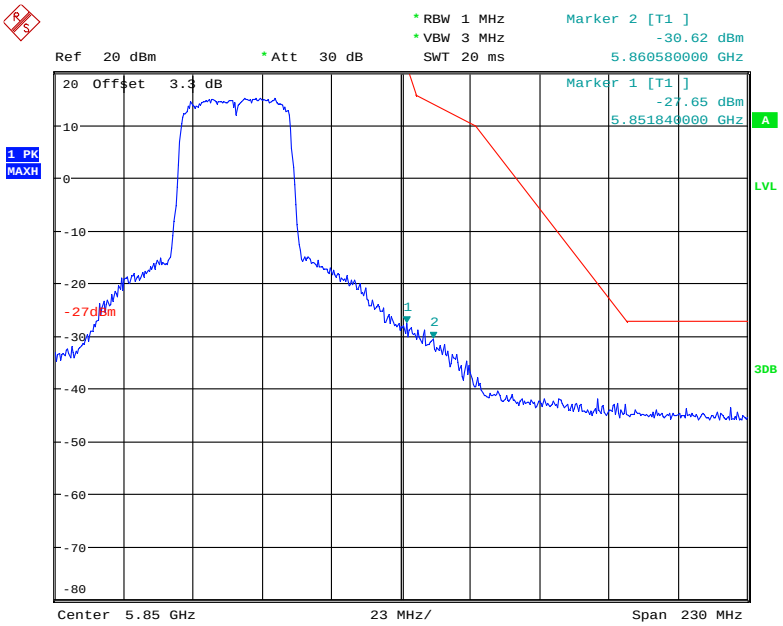

Date: 29.OCT.2017 13:56:00

## Chain 1, 802.11n ht40 Low Channel



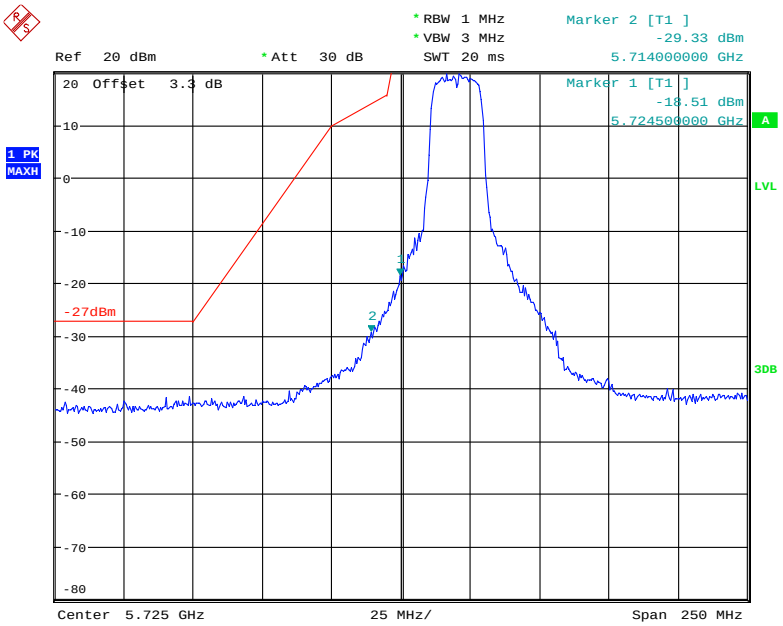

Date: 29.OCT.2017 17:38:11

## Chain 1, 802.11n ht40 High Channel



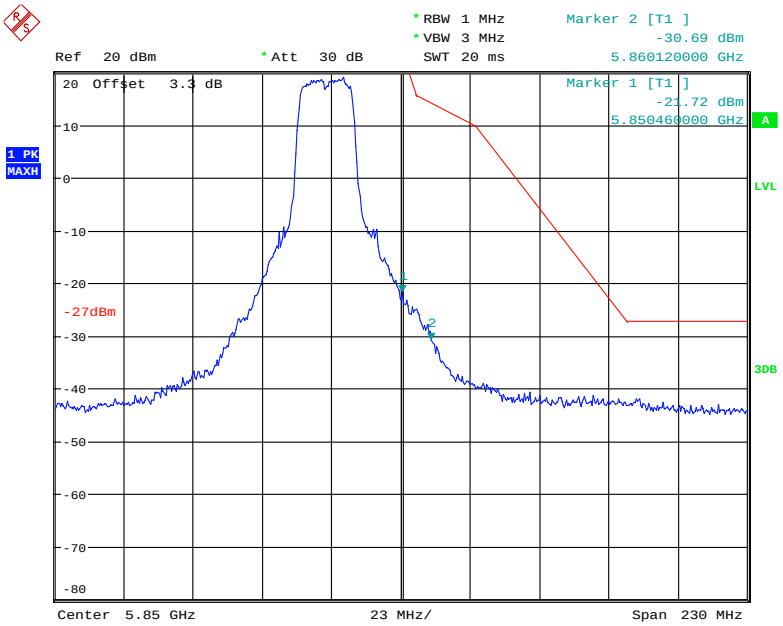

Date: 29.OCT.2017 17:40:14

## Chain 1, 802.11n ac20 Low Channel



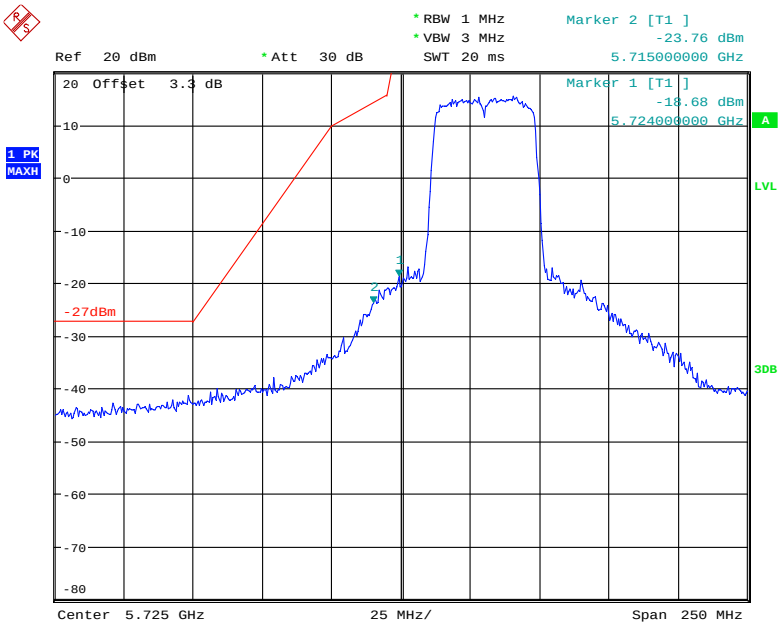

Date: 29.OCT.2017 14:38:39

## Chain 1, 802.11n ac20 High Channel



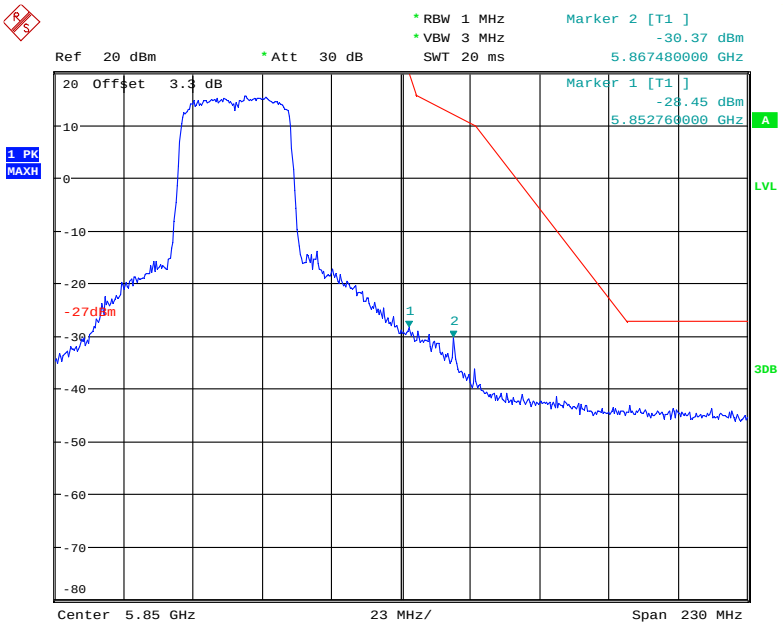

Date: 29.OCT.2017 14:34:52

## Chain 1, 802.11n ac40 Low Channel



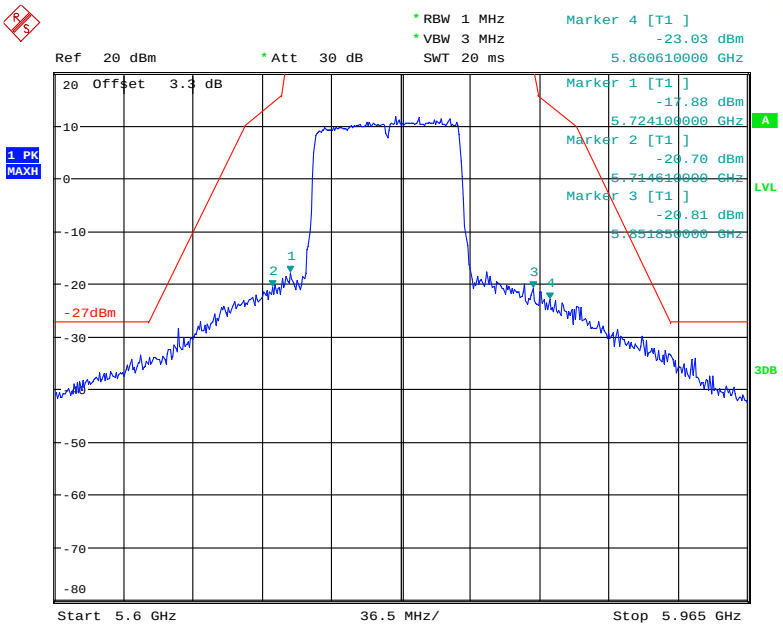

Date: 30.OCT.2017 19:39:44

## Chain 1, 802.11n ac40 High Channel



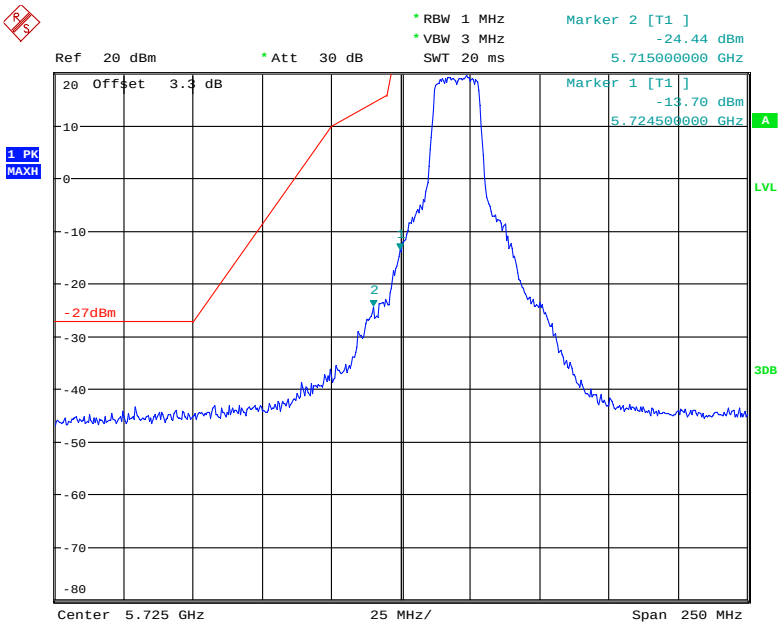

Date: 30.OCT.2017 19:38:03

## Chain 1, 802.11 ac80 Middle Channel



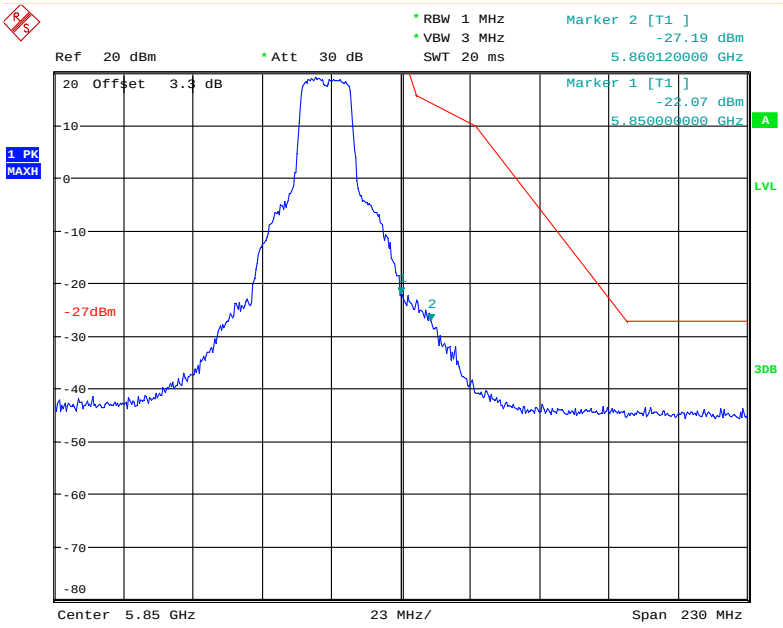

Date: 30.OCT.2017 21:54:51

## Chain 2, 802.11a Low Channel



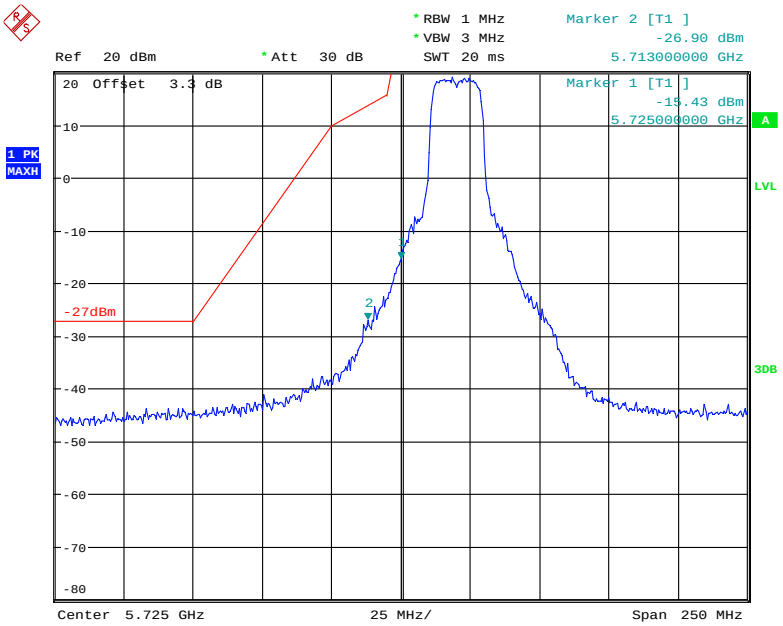

Date: 29.OCT.2017 11:39:37

## Chain 2, 802.11a High Channel



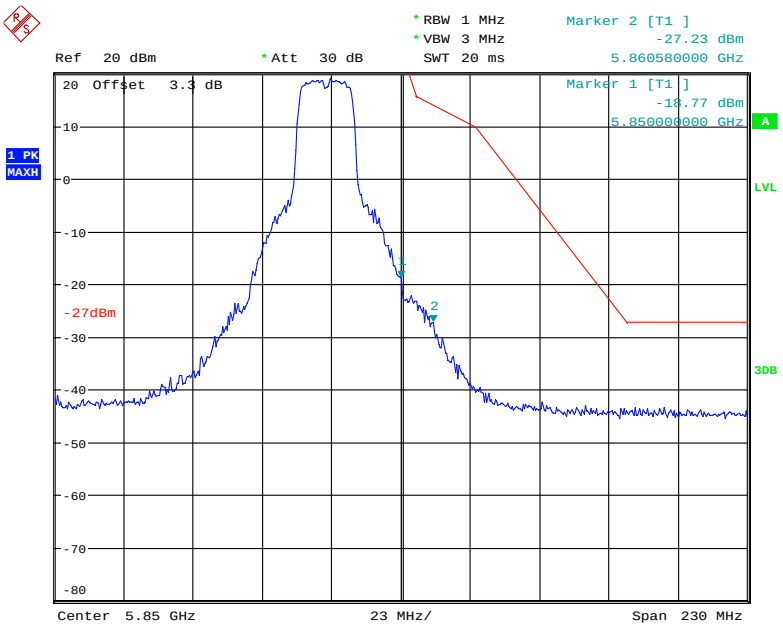

Date: 29.OCT.2017 11:42:43

## Chain 2, 802.11n ht20 Low Channel



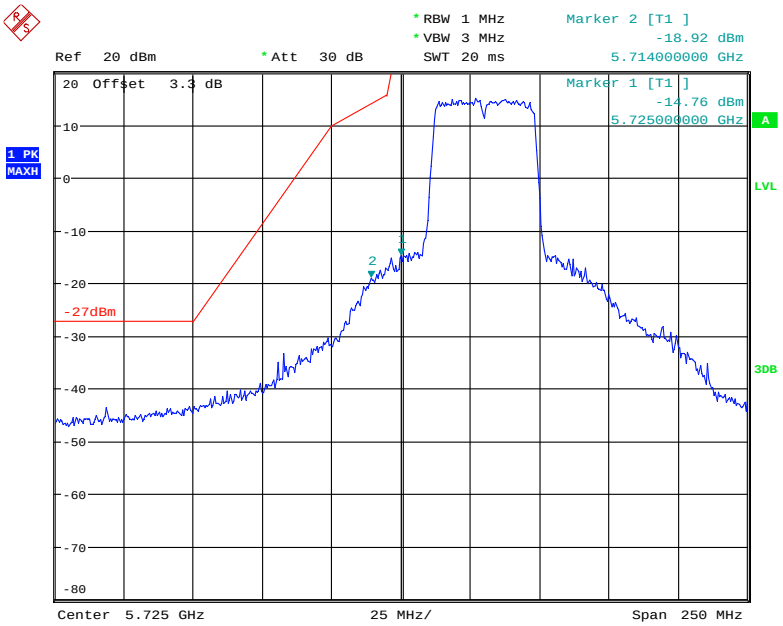

Date: 29.OCT.2017 13:24:51

## Chain 2, 802.11n ht20 High Channel



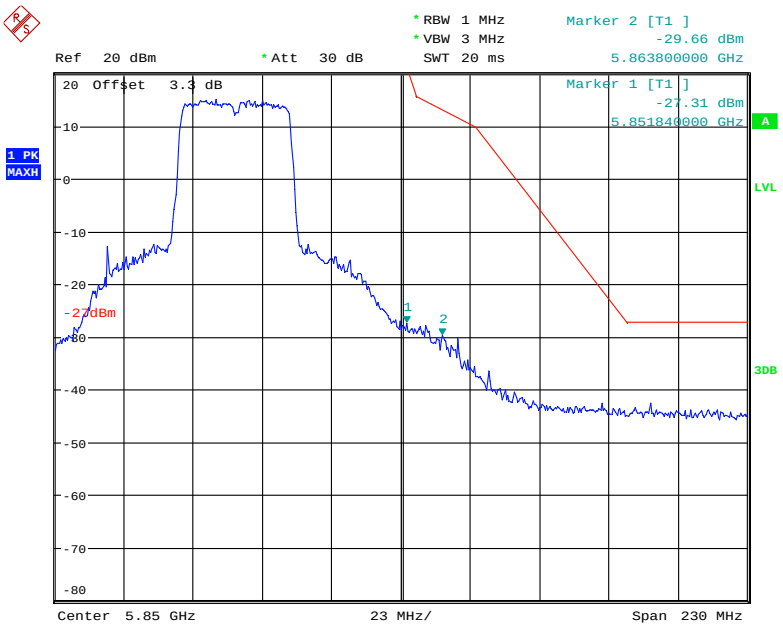

Date: 29.OCT.2017 13:21:39

## Chain 2, 802.11n ht40 Low Channel



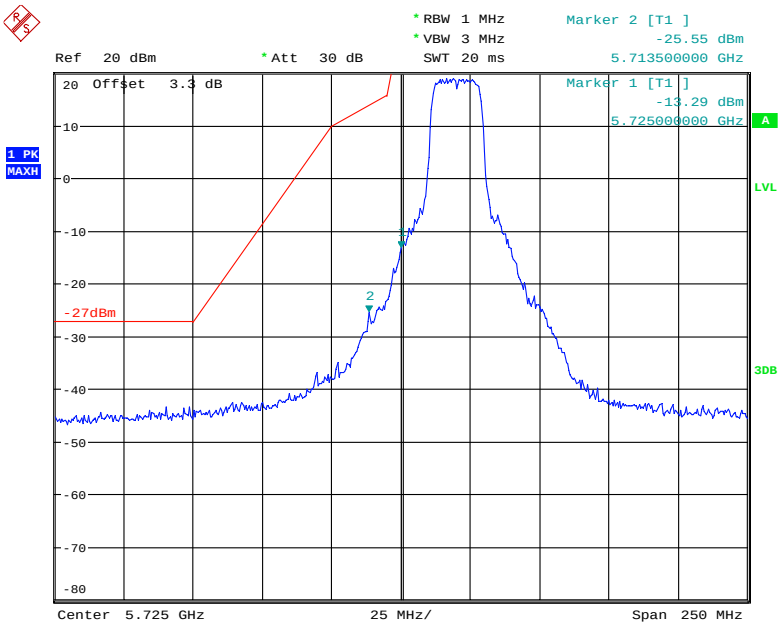

Date: 29.OCT.2017 16:22:25

## Chain 2, 802.11n ht40 High Channel



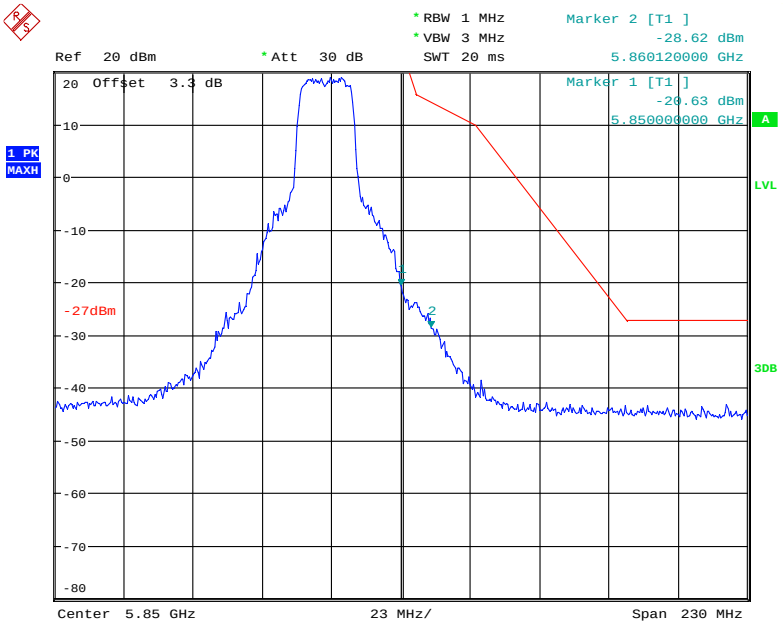

Date: 29.OCT.2017 16:18:13

## Chain 2, 802.11n ac20 Low Channel



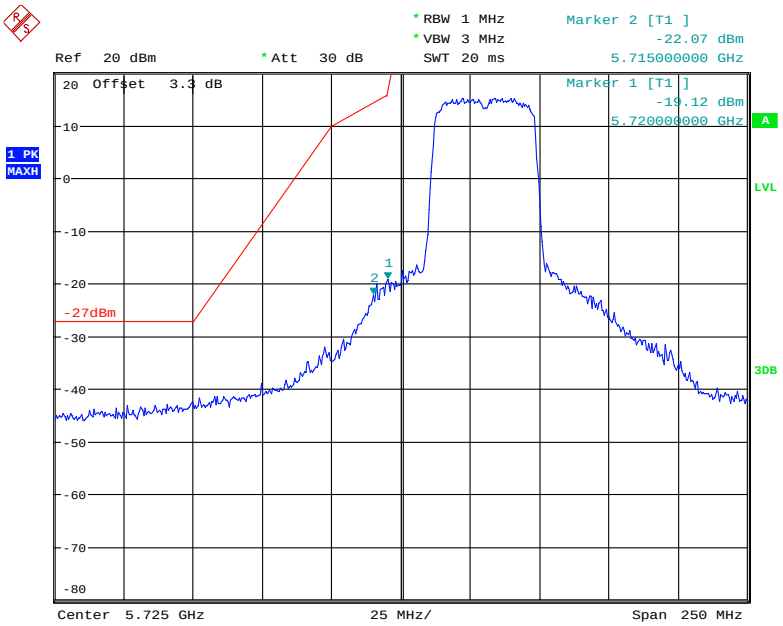

Date: 29.OCT.2017 15:18:19

## Chain 2, 802.11n ac20 High Channel



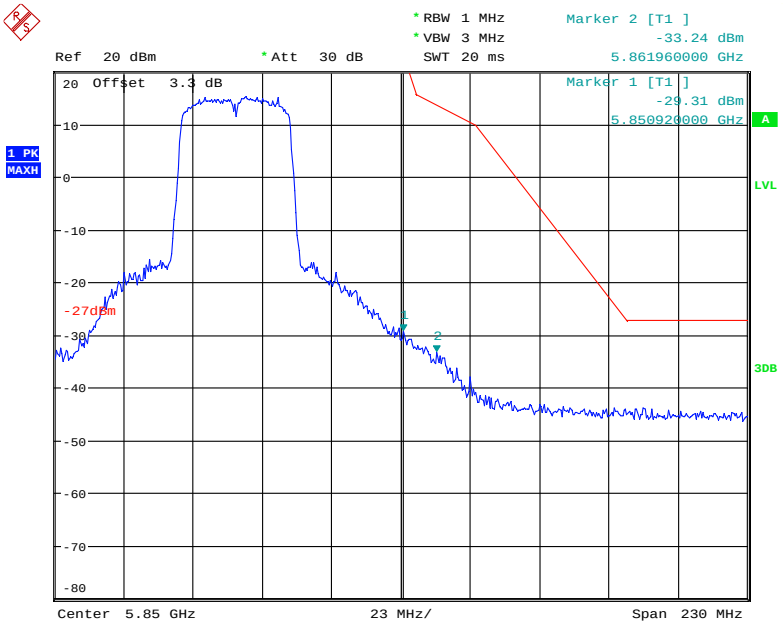

Date: 29.OCT.2017 15:21:45

## Chain 2, 802.11n ac40 Low Channel



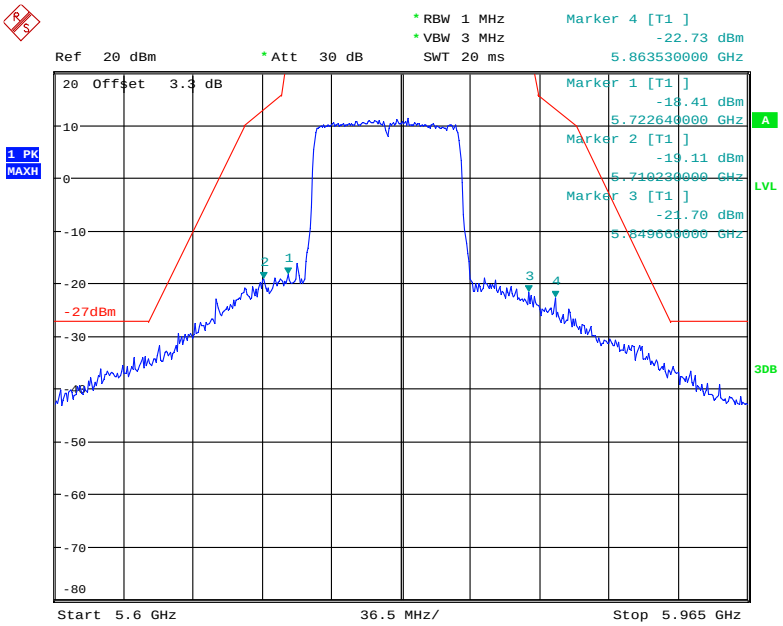

Date: 30.OCT.2017 20:07:28

## Chain 2, 802.11n ac40 High Channel



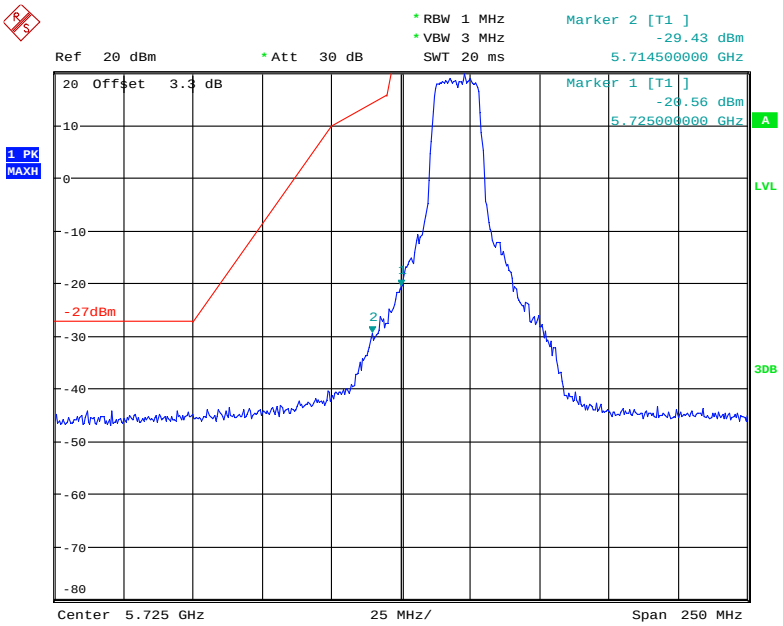

Date: 30.OCT.2017 20:09:06

## Chain 2, 802.11 ac80 Middle Channel



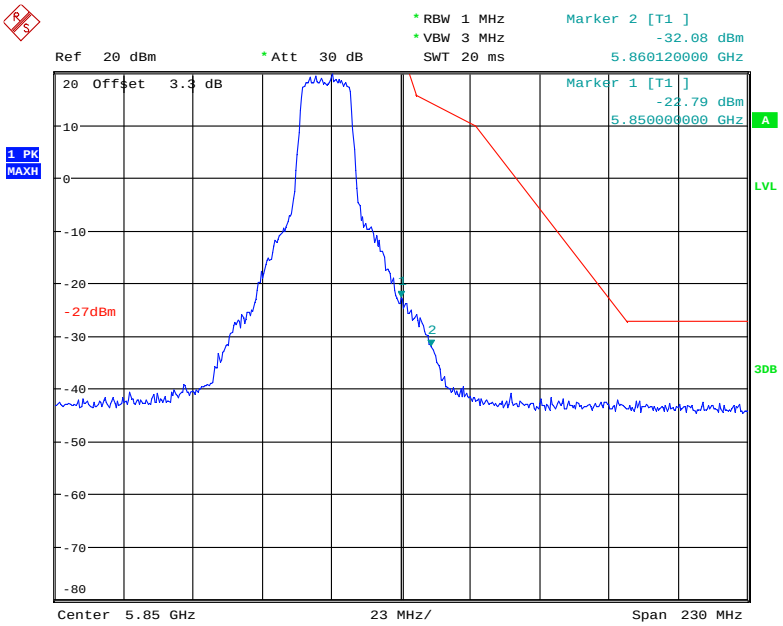

Date: 30.OCT.2017 21:12:33

## Chain 3, 802.11a Low Channel



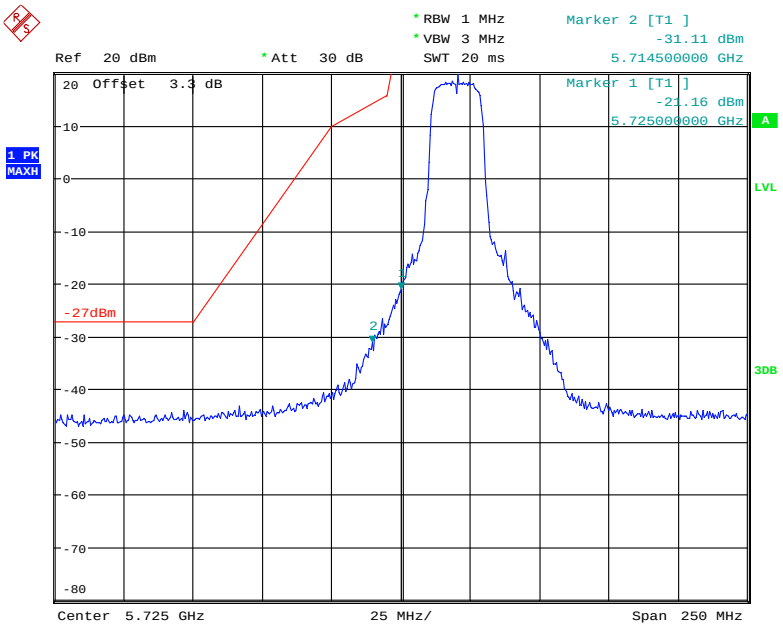

Date: 29.OCT.2017 11:47:49

## Chain 3, 802.11a High Channel



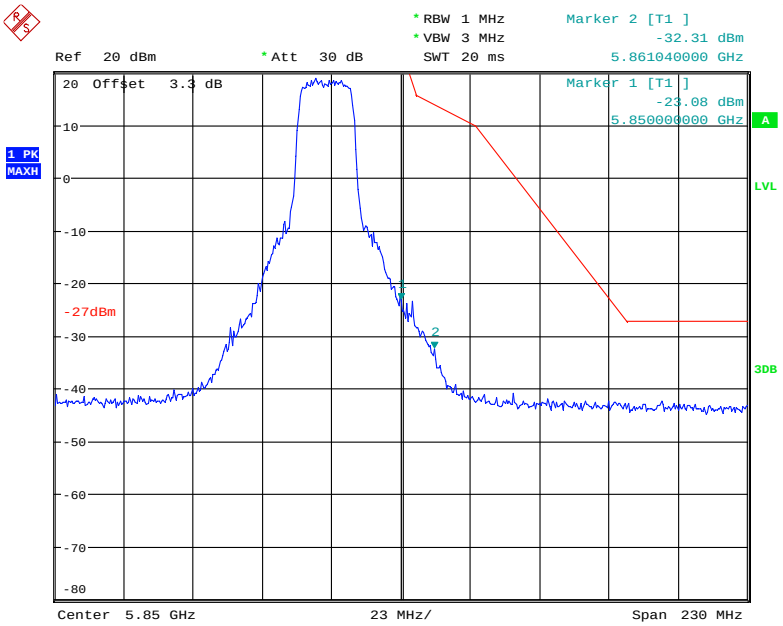

Date: 29.OCT.2017 11:44:43

## Chain 3, 802.11n ht20 Low Channel



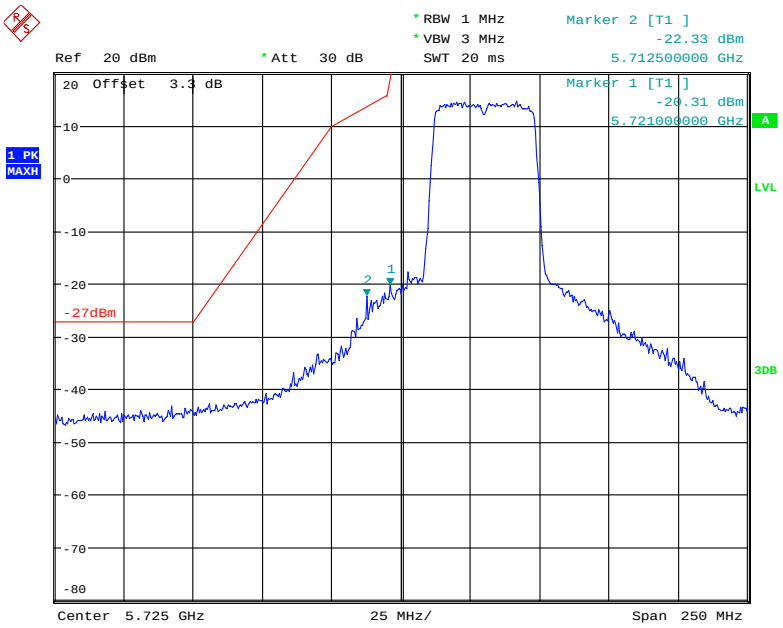

Date: 29.OCT.2017 13:16:24

## Chain 3, 802.11n ht20 High Channel



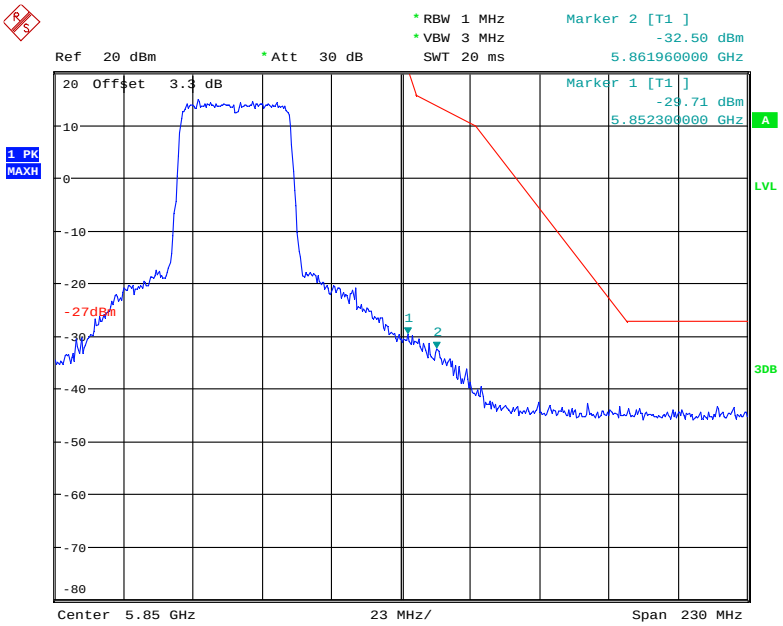

Date: 29.OCT.2017 13:19:30

## Chain 3, 802.11n ht40 Low Channel



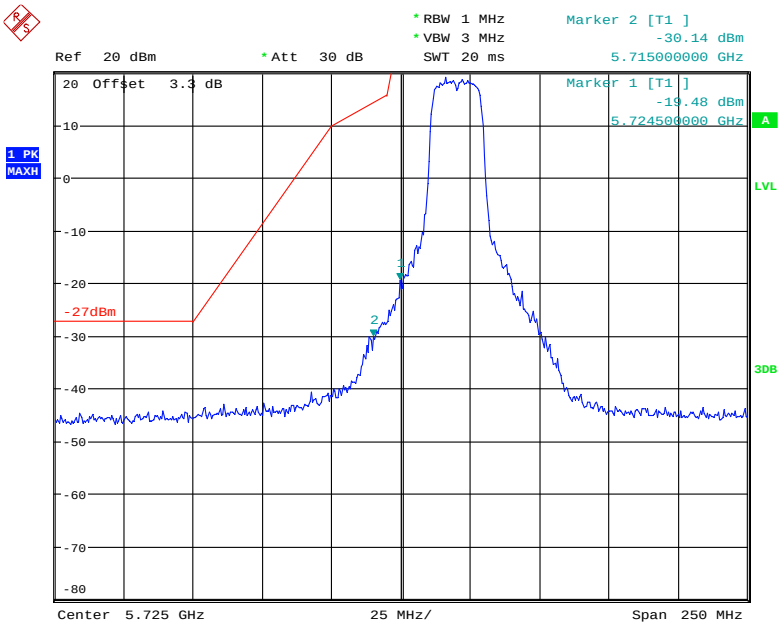

Date: 29.OCT.2017 16:14:02

## Chain 3, 802.11n ht40 High Channel



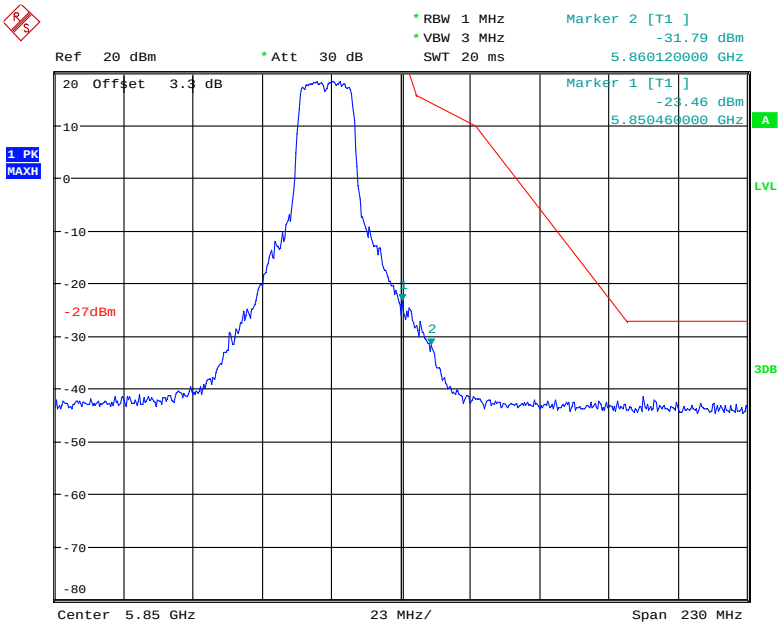

Date: 29.OCT.2017 16:15:55

## Chain 3, 802.11n ac20 Low Channel



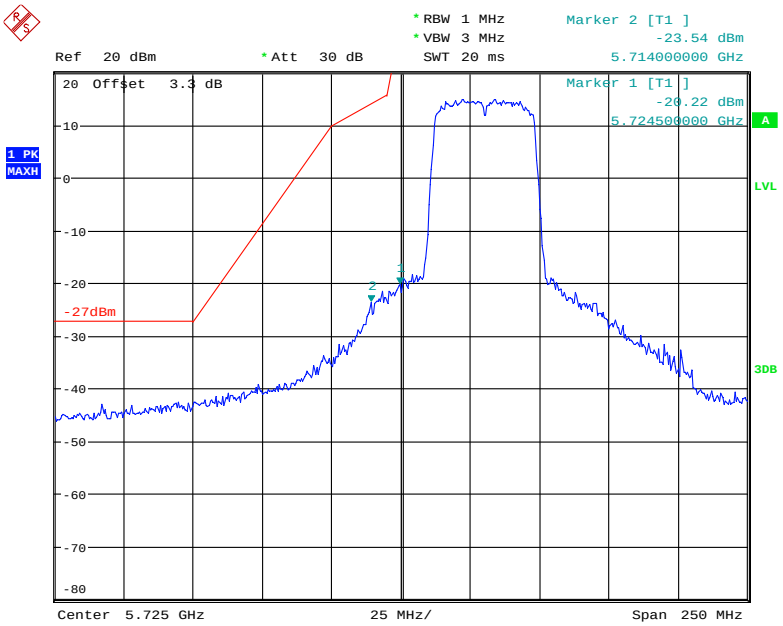

Date: 29.OCT.2017 15:27:27

## Chain 3, 802.11n ac20 High Channel



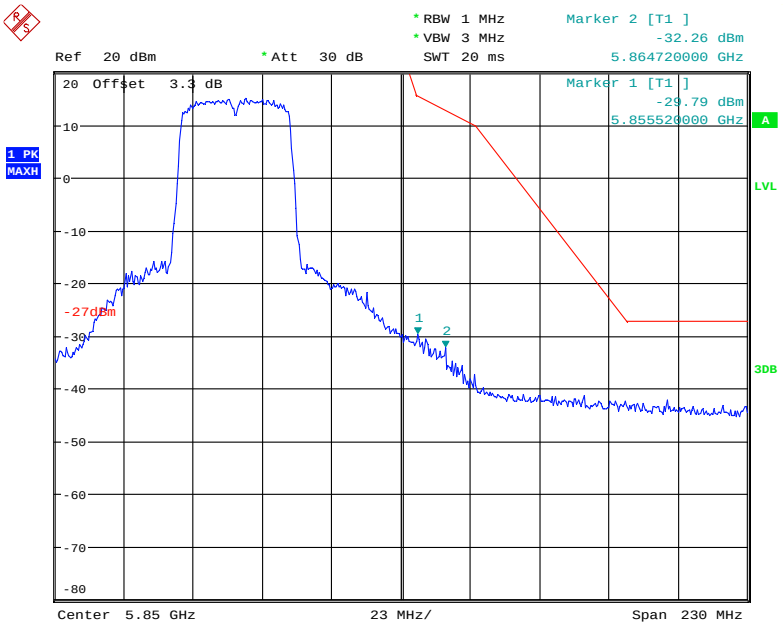

Date: 29.OCT.2017 15:24:06

## Chain 3, 802.11n ac40 Low Channel



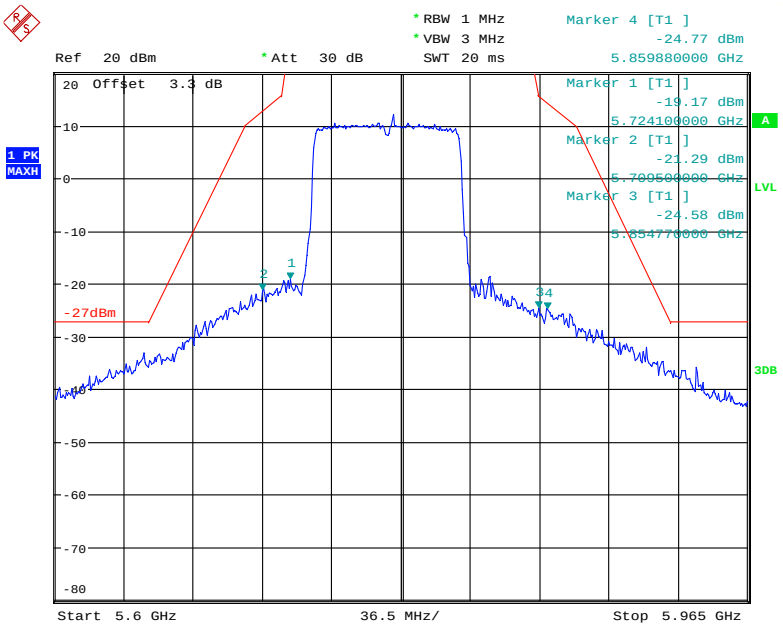

Date: 30.OCT.2017 20:13:39

## Chain 3, 802.11n ac40 High Channel




Date: 30.OCT.2017 20:11:27

## Chain 3, 802.11 ac80 Middle Channel




Date: 30.OCT.2017 21:51:28

# FCC §15.407(a)(e) –EMISSION BANDWIDTH AND OCCUPIED BANDWIDTH

## Applicable Standard

15.407(a) (e)

## Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| R&S | Spectrum Analyzer | FSU 26 | 200256 | 2016-12-08 | 2017-12-08 |
| Unknown | Coaxial Cable | C-SJ00-0010 | C0010/04 | Each Time | / |

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

## Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v01r04

## Test Data

### Environmental Conditions

| | |
|---|---|
| **Temperature:** | 26.1~26.9 °C |
| **Relative Humidity:** | 44~52 % |
| **ATM Pressure:** | 100.8~101.6 kPa |

*The testing was performed by Blake Yang from 2017-10-21 to 2017-11-03.*

**Test Result:** Pass.

Please refer to the following tables and plots.

*Test mode: Transmitting(Test performed at chain 0)*

***Radio 0, 5150-5250MHz:***

| Mode | Channel | Frequency (MHz) | 26 dB Emission Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) |
|---|---|---|---|---|
| 802.11 a | Low | 5180 | 20.28 | 16.56 |
| | Middle | 5200 | 19.88 | 16.56 |
| | High | 5240 | 20.04 | 16.56 |
| 802.11n ht20 | Low | 5180 | 20.76 | 17.68 |
| | Middle | 5200 | 20.76 | 17.68 |
| | High | 5240 | 20.76 | 17.68 |
| 802.11n ht40 | Low | 5190 | 39.44 | 36.48 |
| | High | 5230 | 39.76 | 36.64 |
| 802.11ac20 | Low | 5180 | 20.68 | 17.68 |
| | Middle | 5200 | 20.60 | 17.68 |
| | High | 5240 | 20.92 | 17.76 |
| 802.11ac40 | Low | 5190 | 40.13 | 36.64 |
| | High | 5230 | 39.60 | 36.48 |
| 802.11ac80 | Middle | 5210 | 80.48 | 75.84 |

Note: the 99% Occupied Bandwidth have not fall into the band 5250-5350MHz , please refer to the test plots of 99% Occupied Bandwidth.

***Radio 1, 5150-5250MHz:***

| Mode | Channel | Frequency (MHz) | 26 dB Emission Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) |
|---|---|---|---|---|
| 802.11 a | Low | 5180 | 20.04 | 16.56 |
| | Middle | 5200 | 20.12 | 16.56 |
| | High | 5240 | 19.96 | 16.56 |
| 802.11n ht20 | Low | 5180 | 20.76 | 17.68 |
| | Middle | 5200 | 20.84 | 17.68 |
| | High | 5240 | 20.92 | 17.76 |
| 802.11n ht40 | Low | 5190 | 39.60 | 36.16 |
| | High | 5230 | 39.76 | 36.32 |
| 802.11ac20 | Low | 5180 | 20.84 | 17.68 |
| | Middle | 5200 | 20.92 | 17.68 |
| | High | 5240 | 20.92 | 17.76 |
| 802.11ac40 | Low | 5190 | 39.76 | 36.16 |
| | High | 5230 | 39.6 | 36.32 |
| 802.11ac80 | Middle | 5210 | 83.37 | 76.48 |

Note: the 99% Occupied Bandwidth have not fall into the band 5250-5350MHz , please refer to the test plots of 99% Occupied Bandwidth.

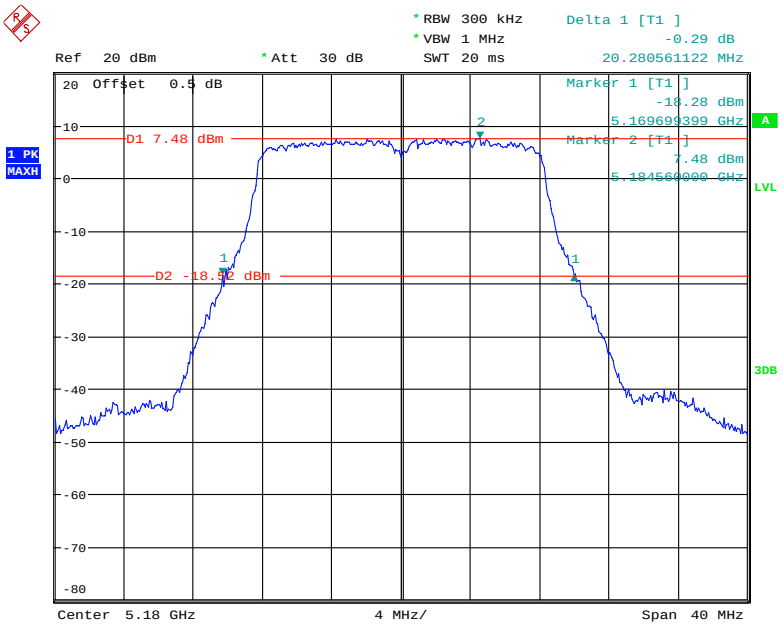
***Radio 1, 5725-5850MHz:***

| Mode | Channel | Frequency (MHz) | 6 dB Emission Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) |
|---|---|---|---|---|
| 802.11 a | Low | 5745 | 16.11 | 16.56 |
| | Middle | 5785 | 16.19 | 16.64 |
| | High | 5825 | 16.11 | 16.64 |
| 802.11n ht20 | Low | 5745 | 17.47 | 17.76 |
| | Middle | 5785 | 17.47 | 17.68 |
| | High | 5825 | 17.31 | 17.84 |
| 802.11n ht40 | Low | 5755 | 34.95 | 36.32 |
| | High | 5795 | 34.95 | 36.16 |
| 802.11ac20 | Low | 5745 | 17.39 | 17.68 |
| | Middle | 5785 | 17.47 | 17.76 |
| | High | 5825 | 17.39 | 17.76 |
| 802.11ac40 | Low | 5755 | 34.95 | 36.32 |
| | High | 5795 | 34.95 | 36.48 |
| 802.11ac80 | Middle | 5775 | 75.67 | 76.16 |

Note: the 99% Occupied Bandwidth have not fall into the band 5470-5725MHz , please refer to the test plots of 99% Occupied Bandwidth.

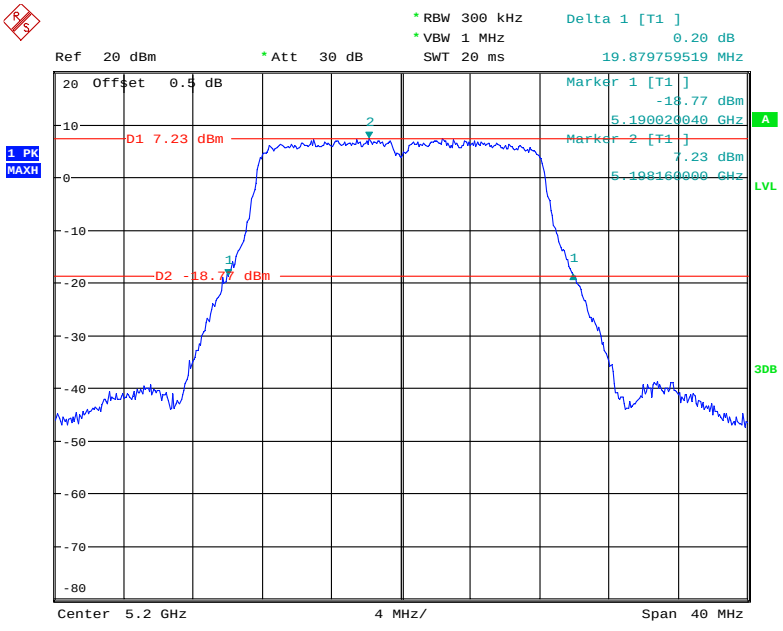
**Radio 0, 5150-5250MHz:**
**26dB Emission Bandwidth:**

**802.11a Low Channel**



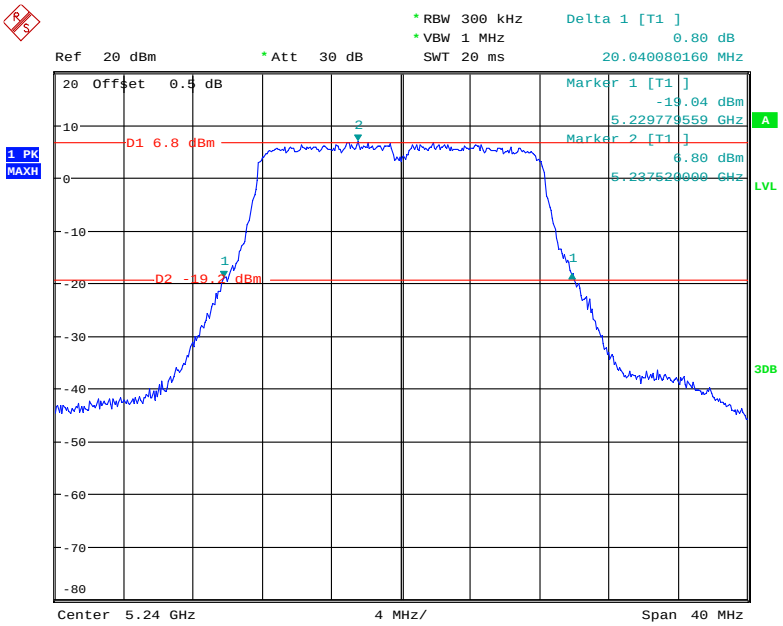

Date: 21.OCT.2017 10:00:52

**802.11a Middle Channel**



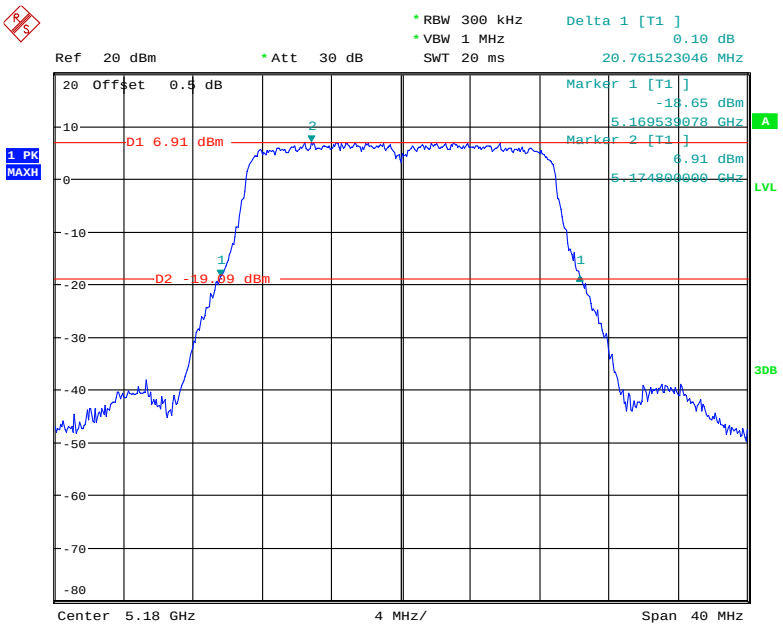

Date: 21.OCT.2017 10:11:35

## 802.11a High Channel



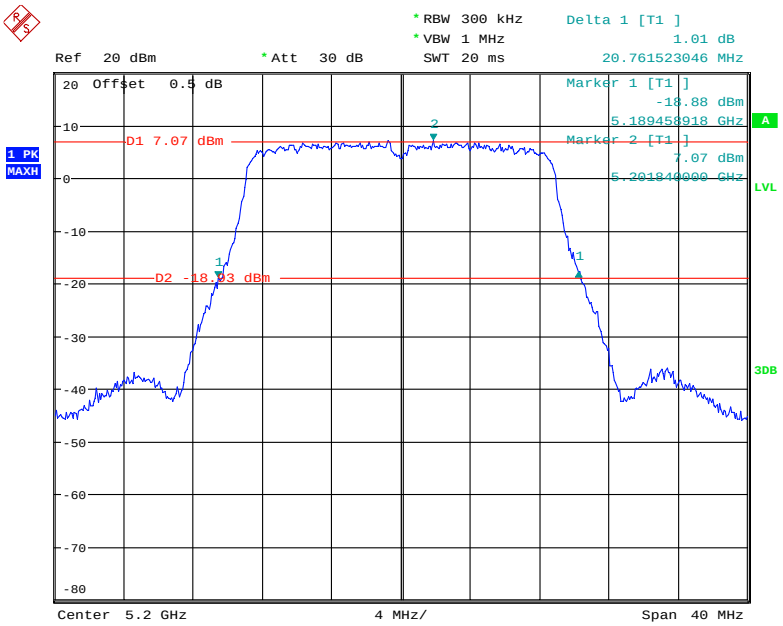

Date: 21.OCT.2017 10:14:32

## 802.11n ht20 Low Channel



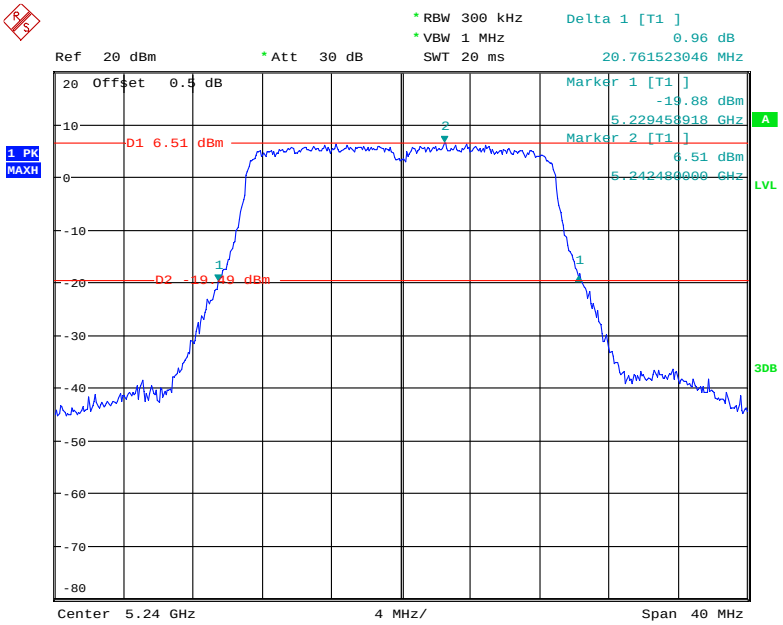

Date: 21.OCT.2017 10:29:40

## 802.11n ht20 Middle Channel



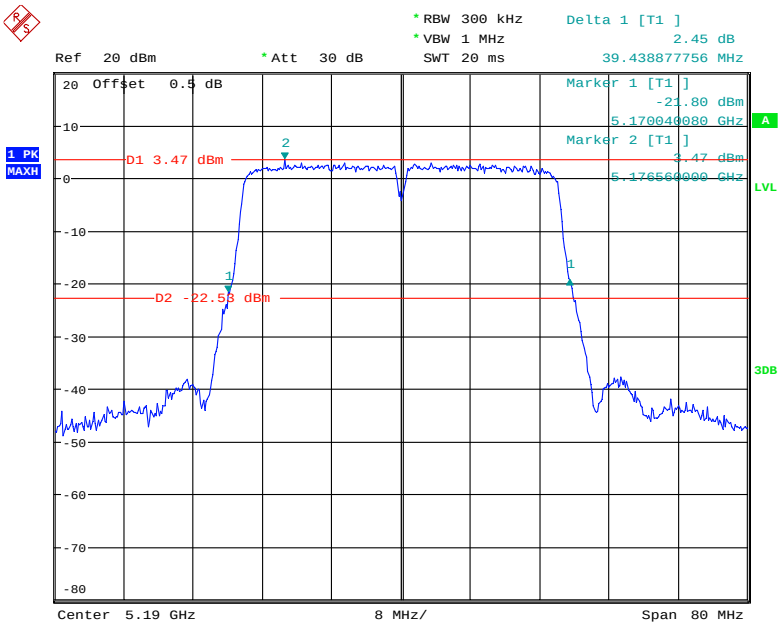

Date: 21.OCT.2017 10:31:25

## 802.11n ht20 High Channel



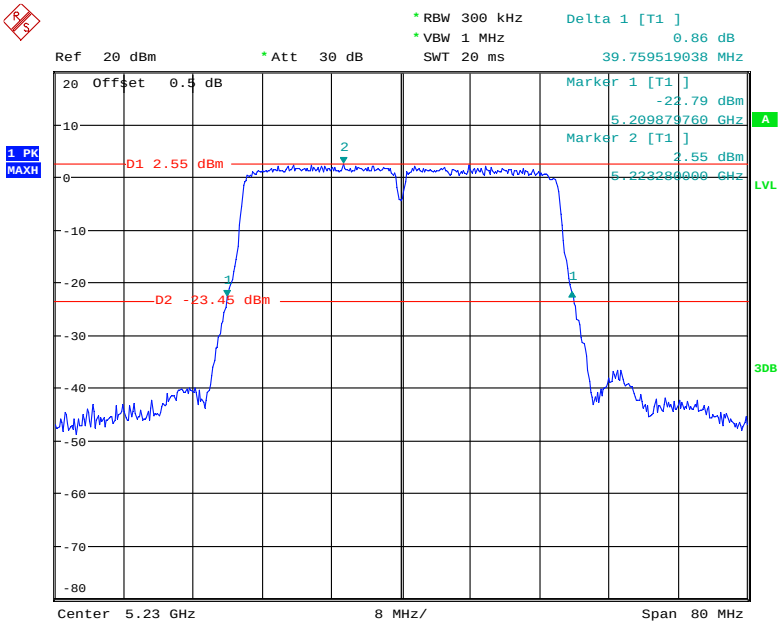

Date: 21.OCT.2017 10:32:36

## 802.11n ht40 Low Channel



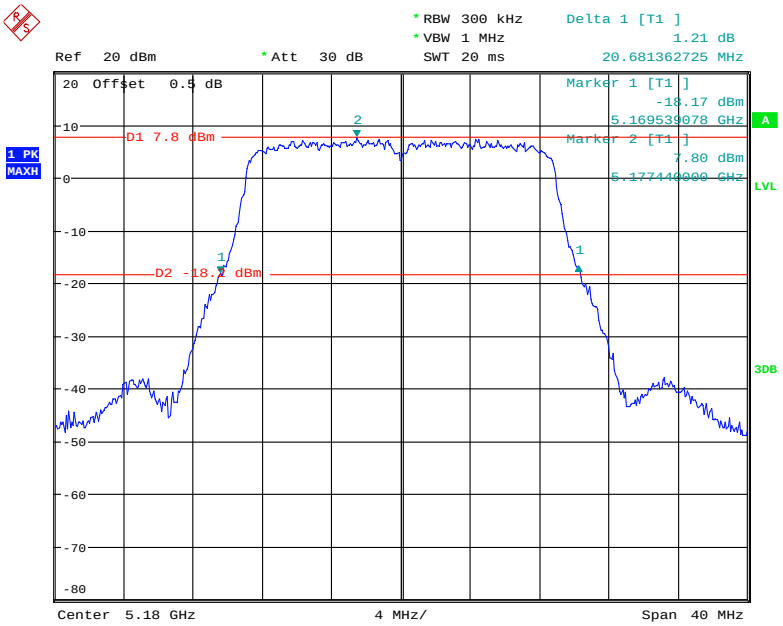

Date: 21.OCT.2017 11:29:24

## 802.11n ht40 High Channel



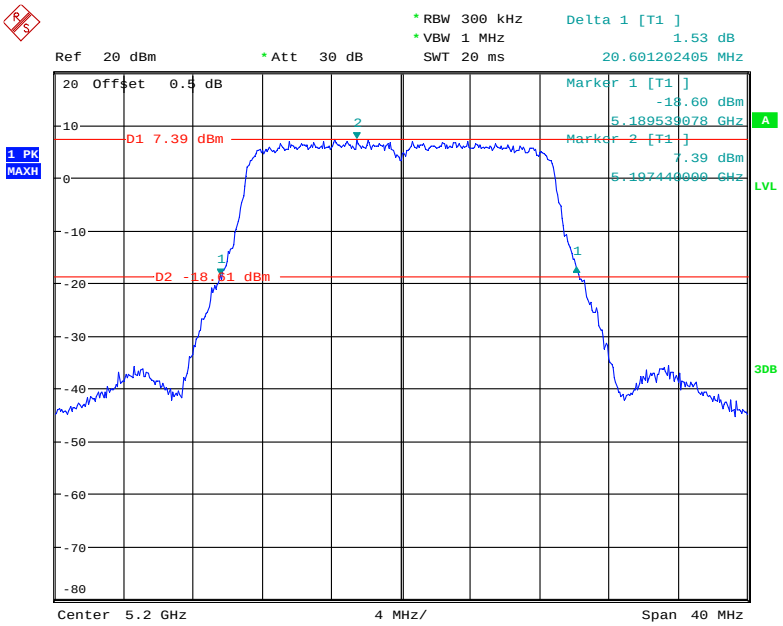

Date: 21.OCT.2017 11:30:54

## 802.11n ac20 Low Channel



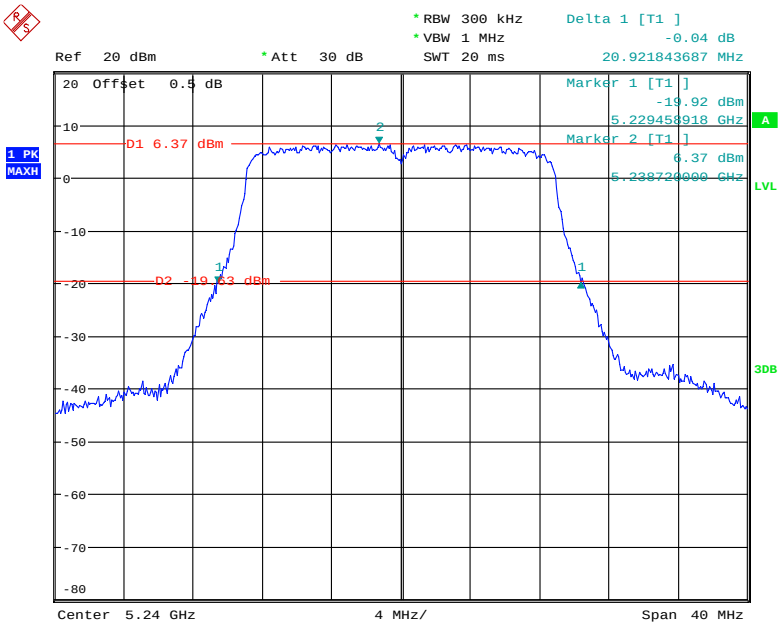

Date: 21.OCT.2017 10:45:04

## 802.11n ac20 Middle Channel



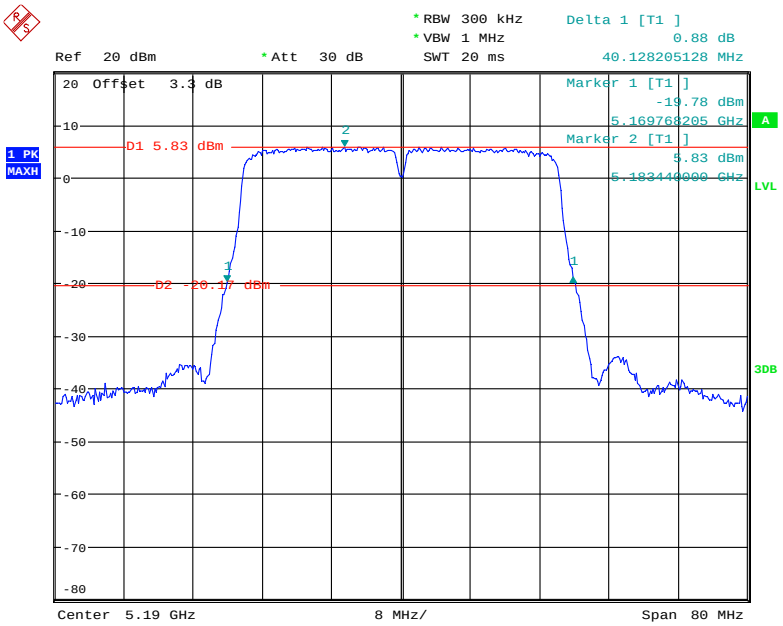

Date: 21.OCT.2017 10:46:33

## 802.11n ac20 High Channel



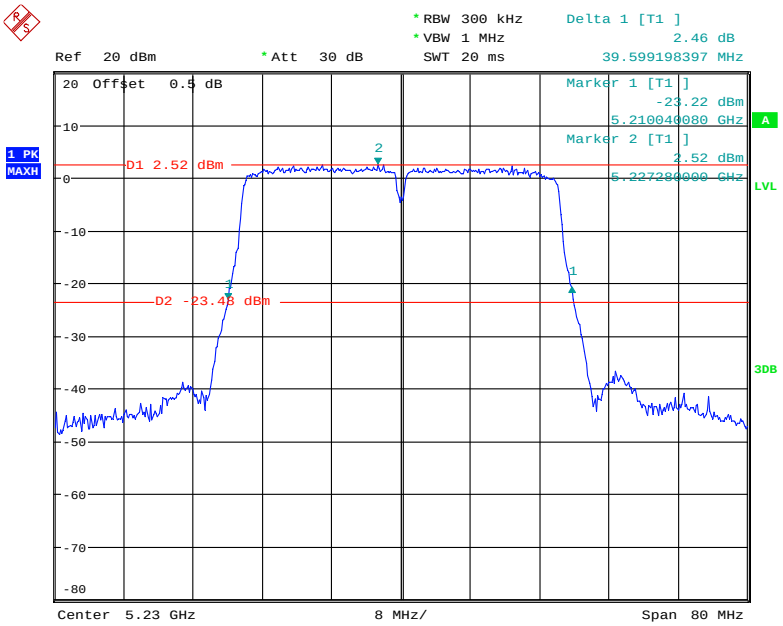

Date: 21.OCT.2017 10:48:04

## 802.11n ac40 Low Channel



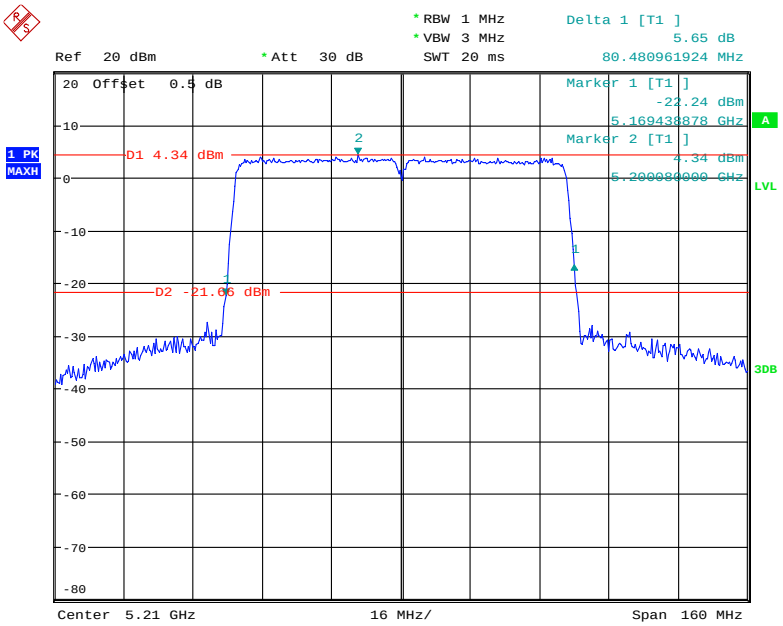

Date: 3.NOV.2017 14:23:57

## 802.11n ac40 High Channel




Date: 21.OCT.2017 11:42:12

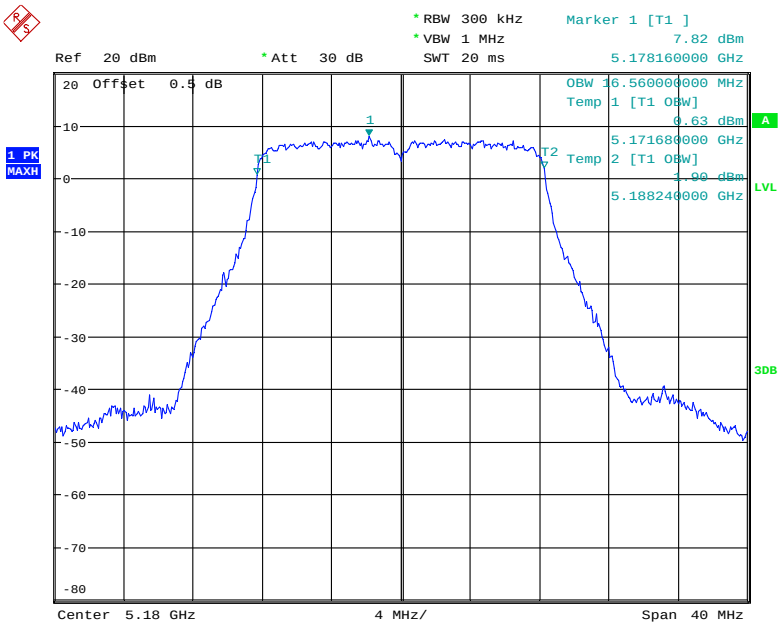
## 802.11ac80 Middle Channel




Date: 21.OCT.2017 11:24:23

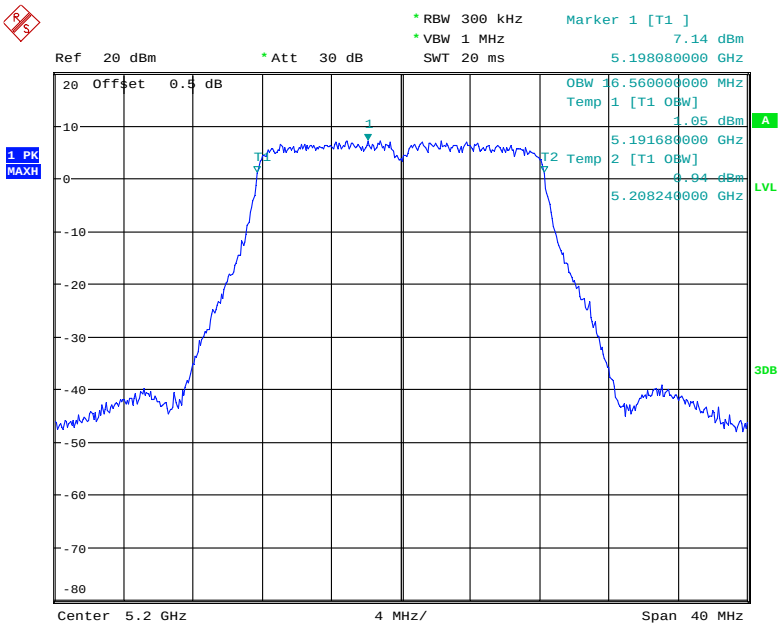
## 99% Occupied Bandwidth

### 802.11a Low Channel



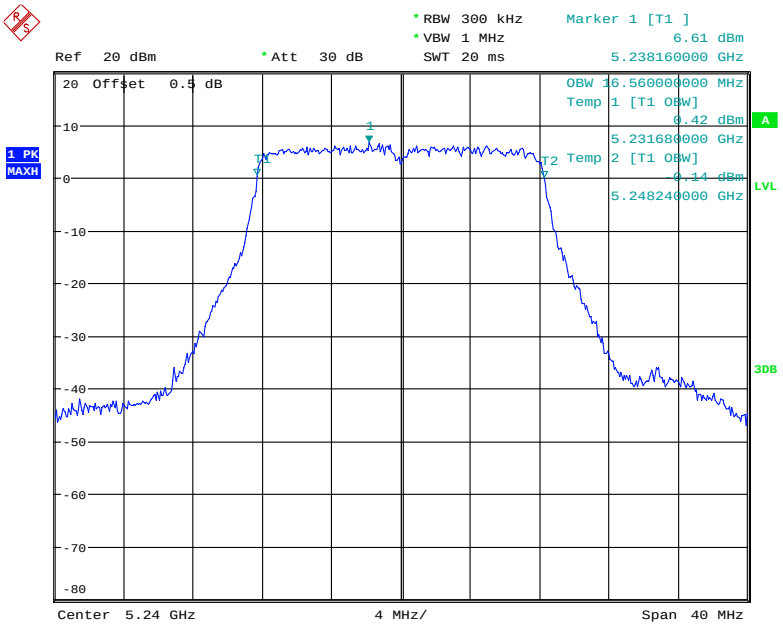

Date: 21.OCT.2017 10:01:08

### 802.11a Middle Channel



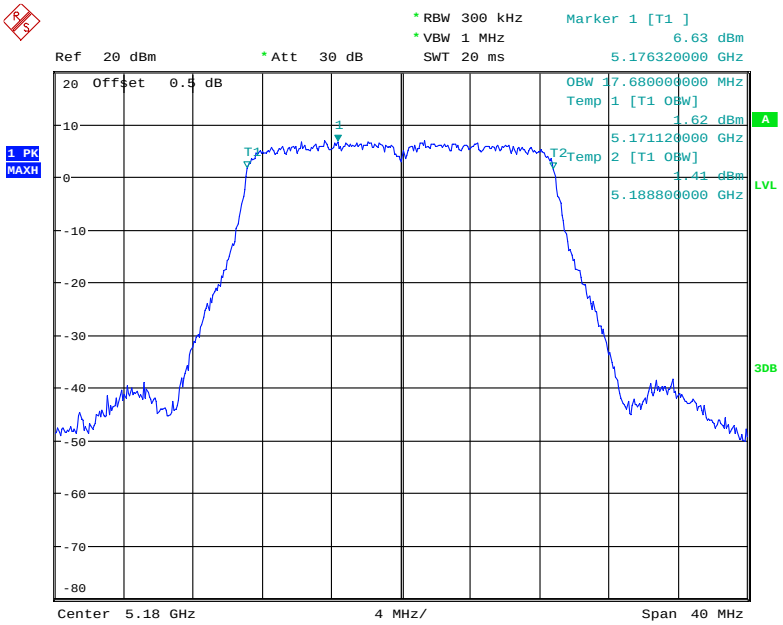

Date: 21.OCT.2017 10:11:48

## 802.11a High Channel



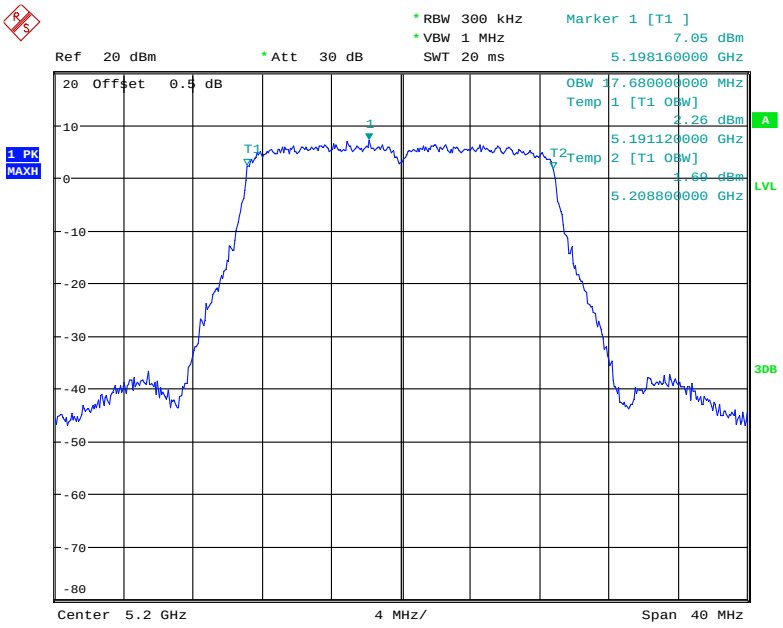

Date: 21.OCT.2017 10:14:45

## 802.11n ht20 Low Channel



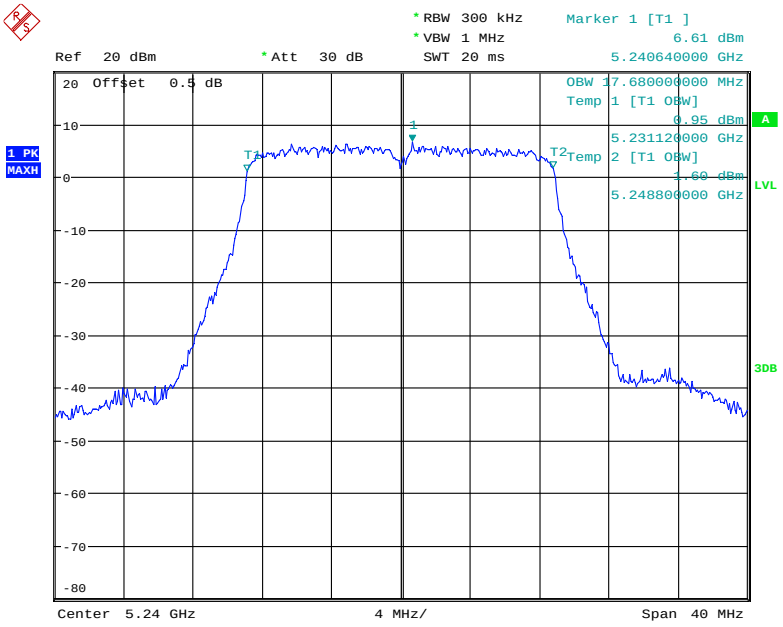

Date: 21.OCT.2017 10:29:52

## 802.11n ht20 Middle Channel



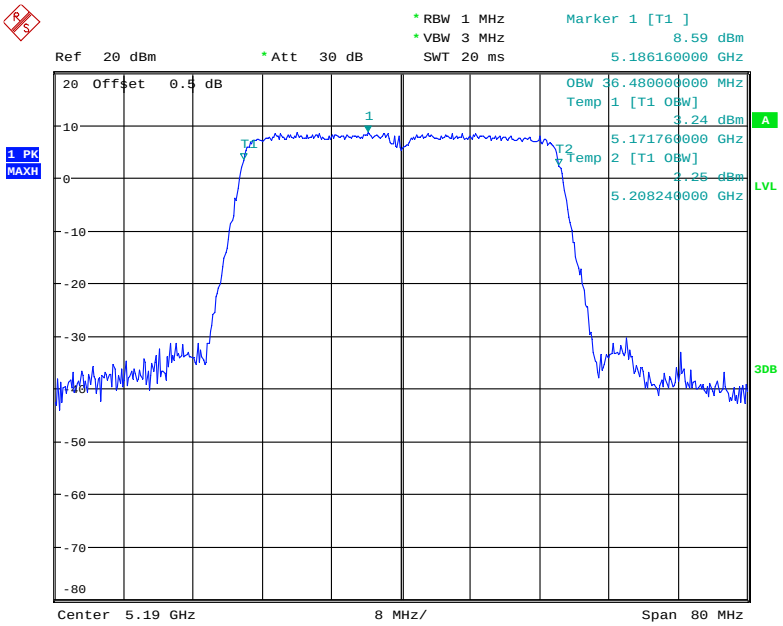

Date: 21.OCT.2017 10:31:37

## 802.11n ht20 High Channel



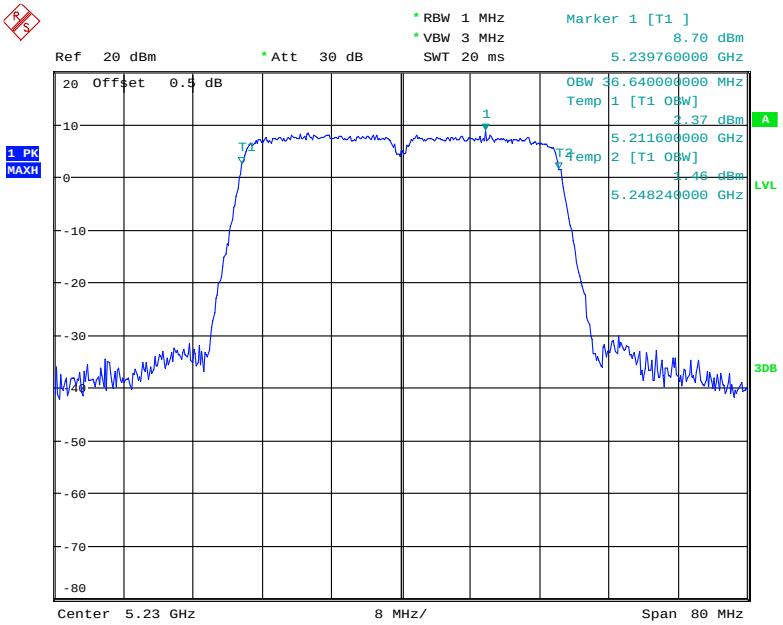

Date: 21.OCT.2017 10:32:49

## 802.11n ht40 Low Channel



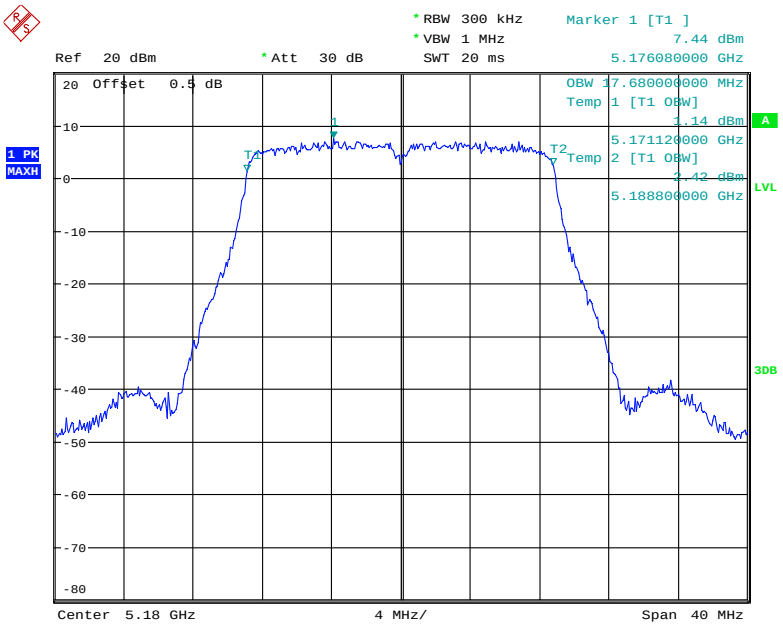

Date: 21.OCT.2017 11:29:36

## 802.11n ht40 High Channel



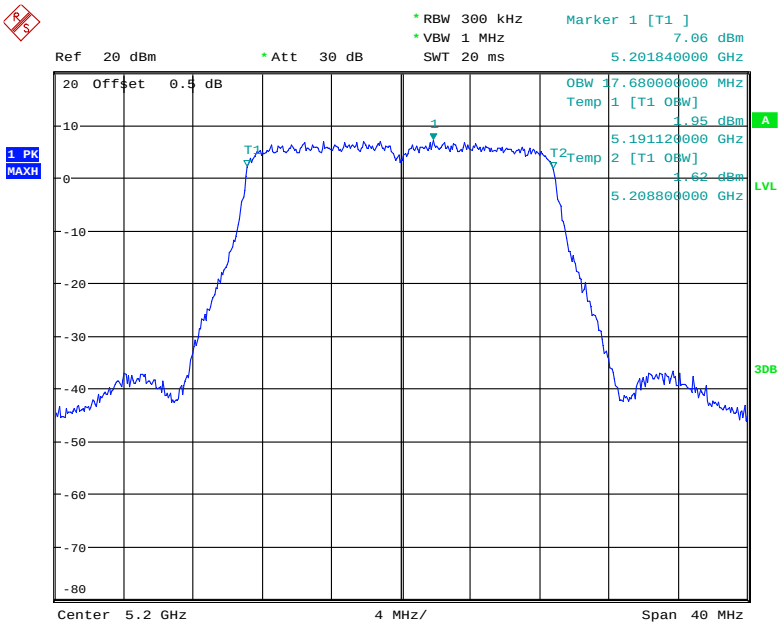

Date: 21.OCT.2017 11:31:08

## 802.11n ac20 Low Channel



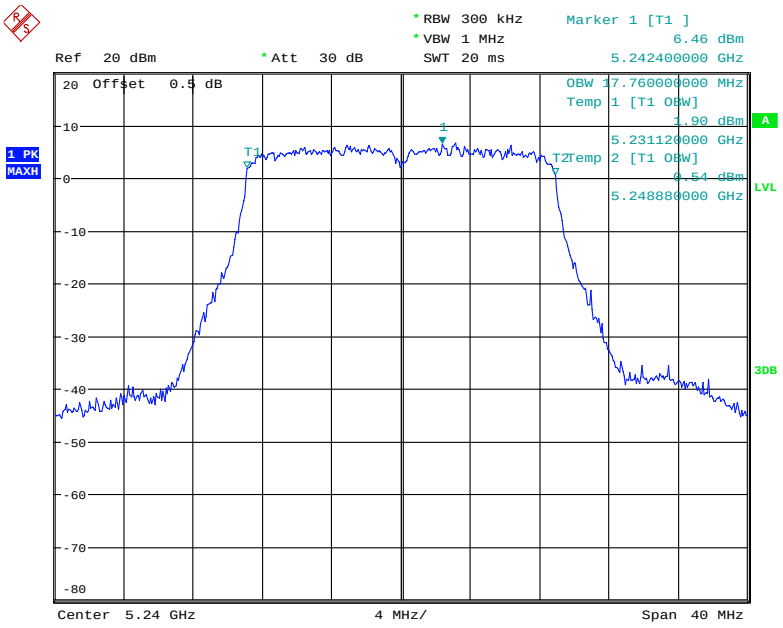

Date: 21.OCT.2017 10:45:16

## 802.11n ac20 Middle Channel



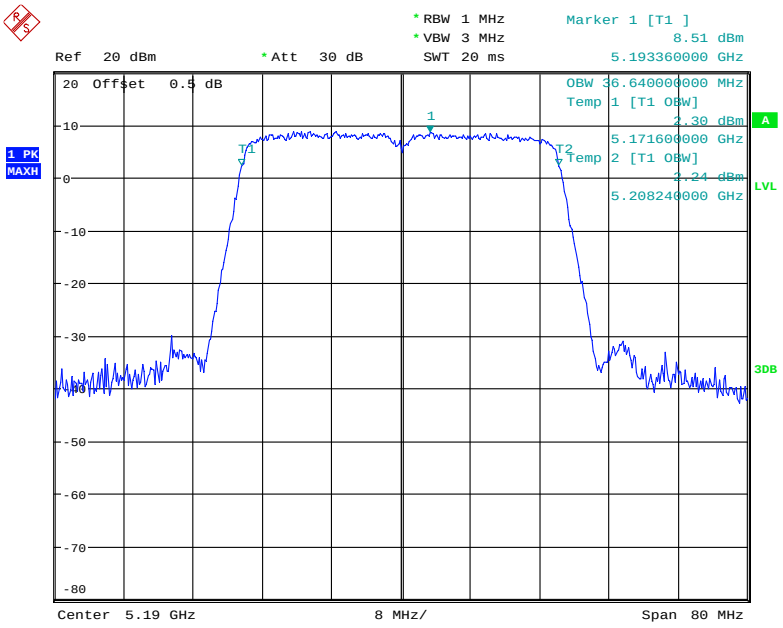

Date: 21.OCT.2017 10:46:45

## 802.11n ac20 High Channel



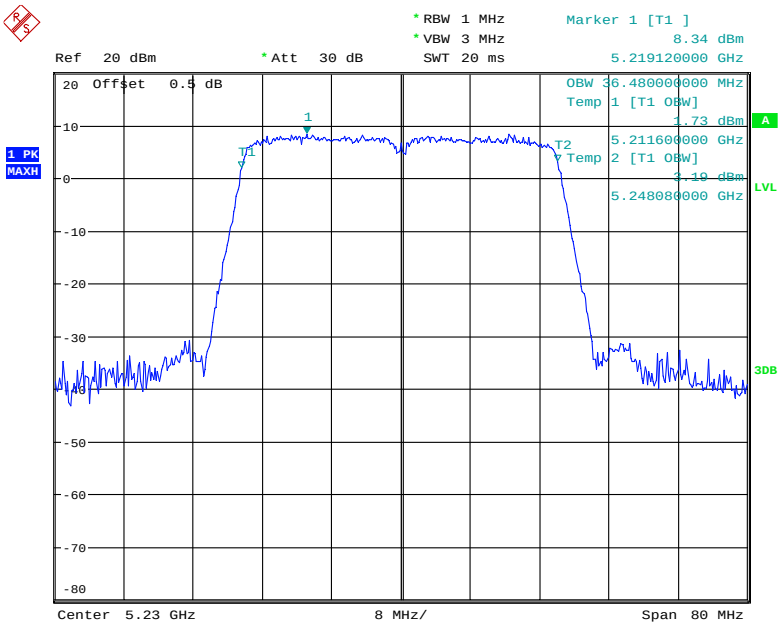

Date: 21.OCT.2017 10:48:16

## 802.11n ac40 Low Channel



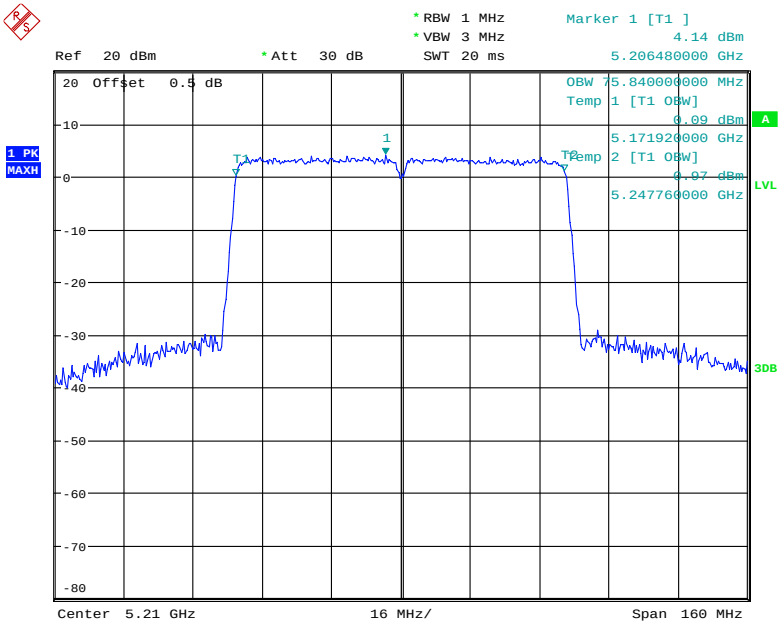

Date: 21.OCT.2017 11:40:43

## 802.11n ac40 High Channel




Date: 21.OCT.2017 11:42:25

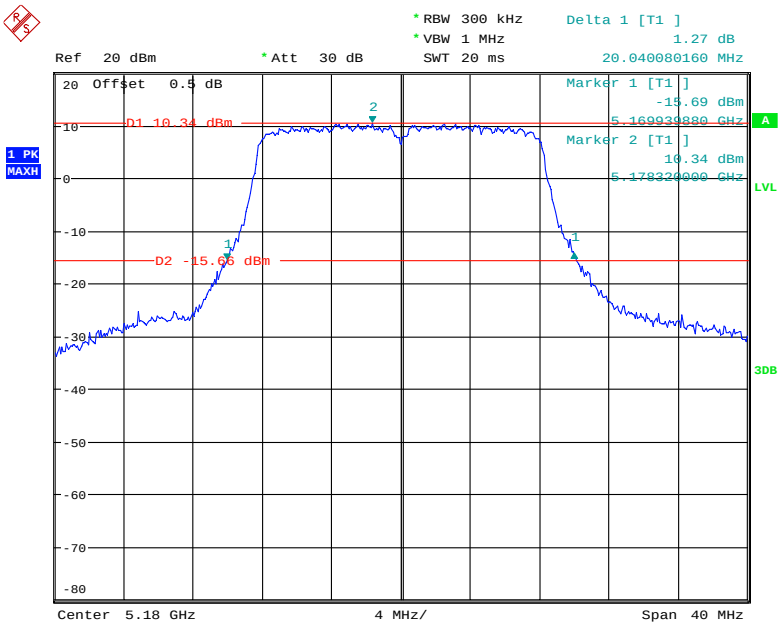
## 802.11ac80 Middle Channel




Date: 21.OCT.2017 11:24:36

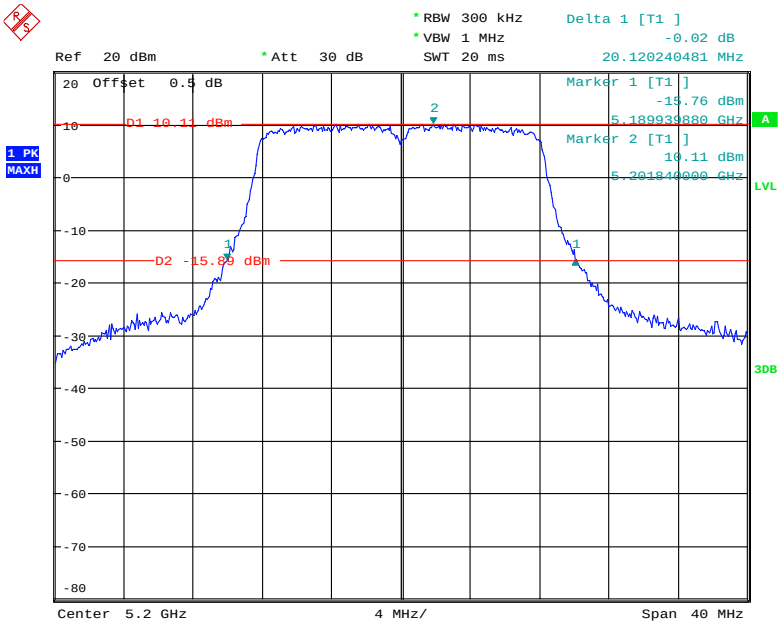
**Radio 1, 5150-5250 MHz:**
**26dB Emission Bandwidth:**

## 802.11a Low Channel



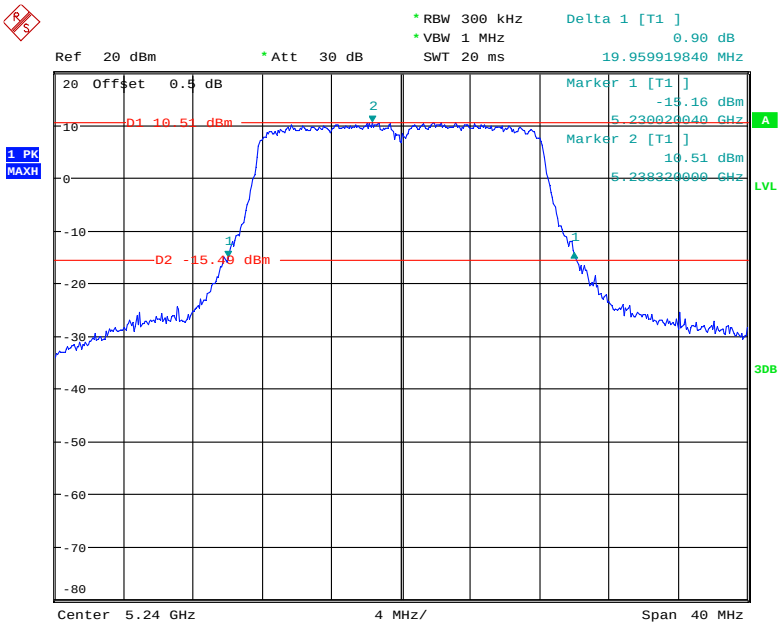

Date: 29.OCT.2017 10:37:54

## 802.11a Middle Channel



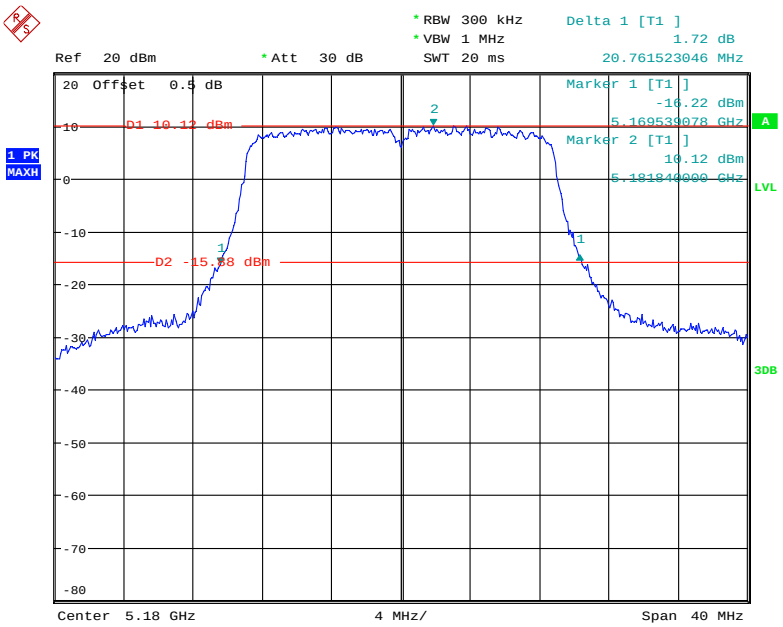

Date: 29.OCT.2017 10:38:48

## 802.11a High Channel



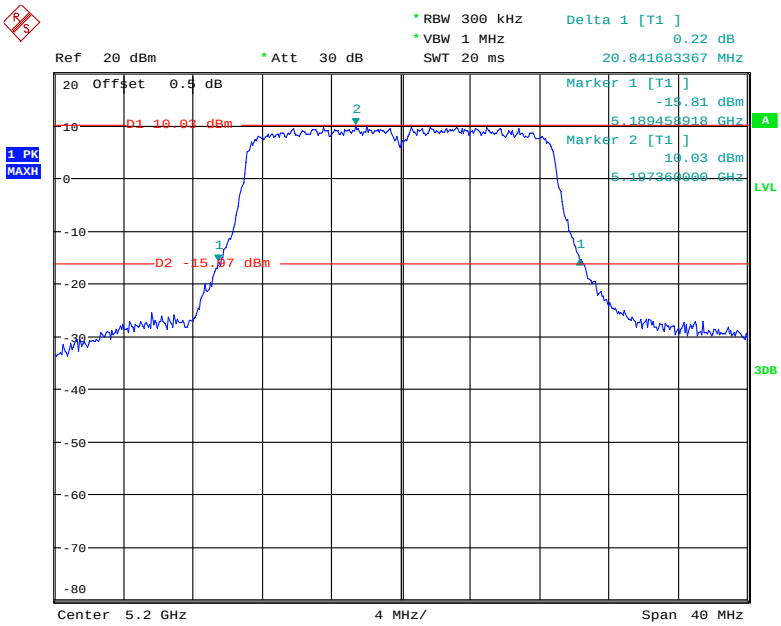

Date: 29.OCT.2017 10:40:02

## 802.11n ht20 Low Channel



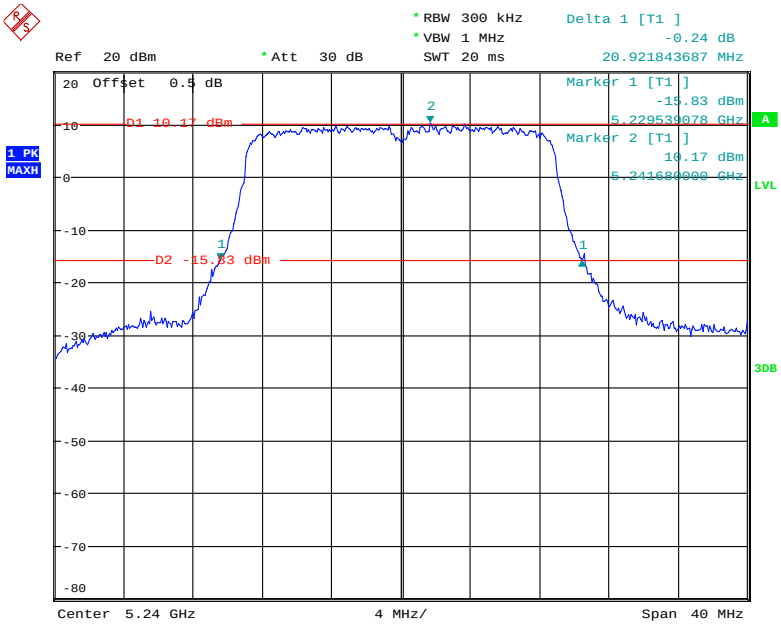

Date: 29.OCT.2017 14:12:59

## 802.11n ht20 Middle Channel



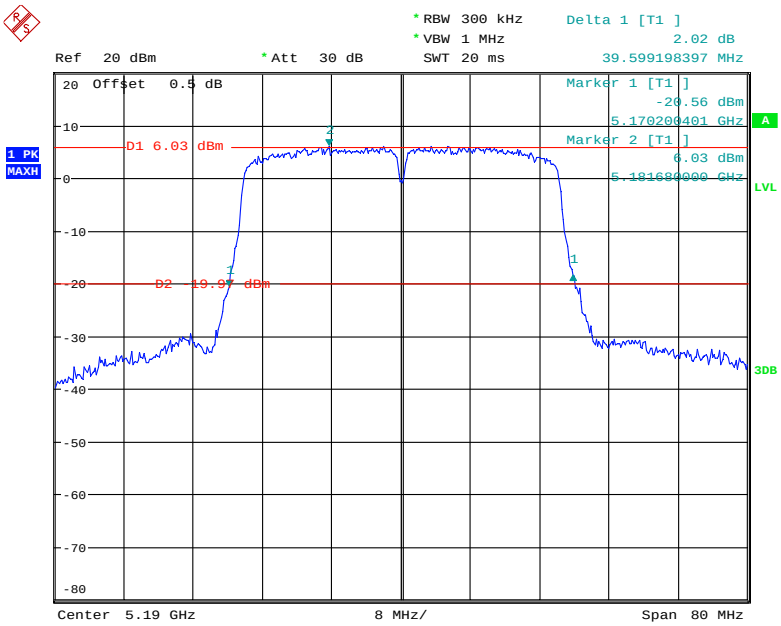

Date: 29.OCT.2017 14:11:48

## 802.11n ht20 High Channel



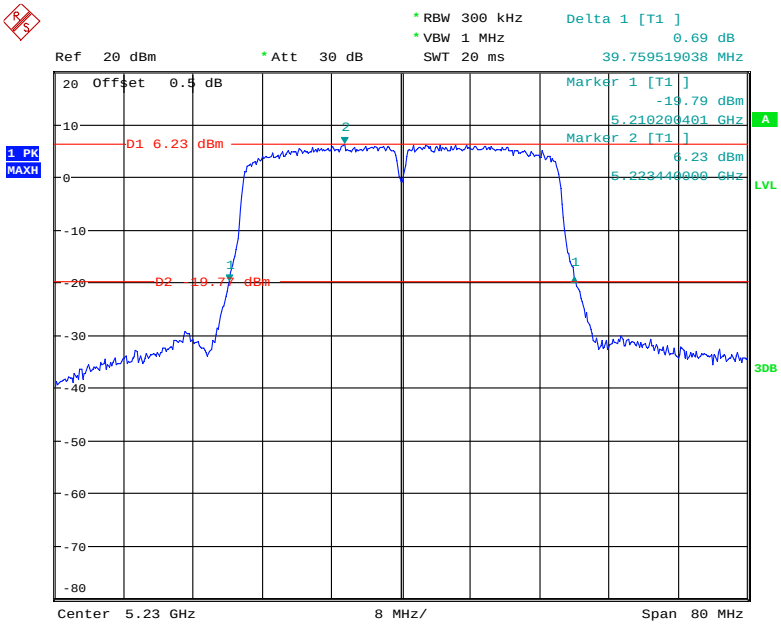

Date: 29.OCT.2017 14:10:26

## 802.11n ht40 Low Channel



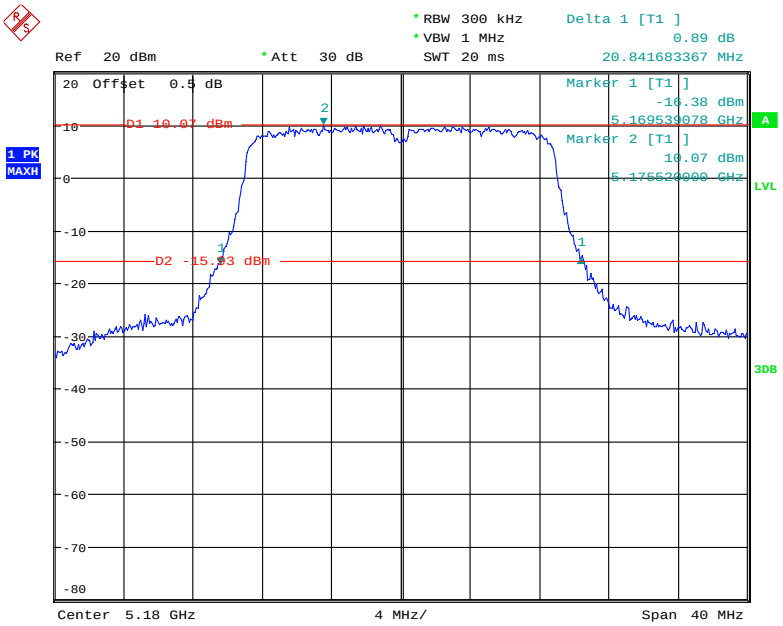

Date: 29.OCT.2017 17:57:03

## 802.11n ht40 High Channel



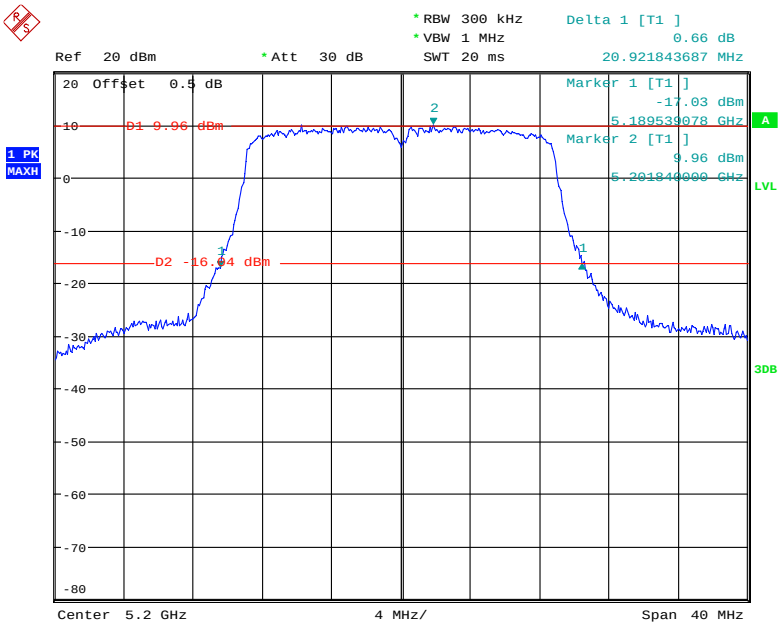

Date: 29.OCT.2017 17:55:36

## 802.11n ac20 Low Channel



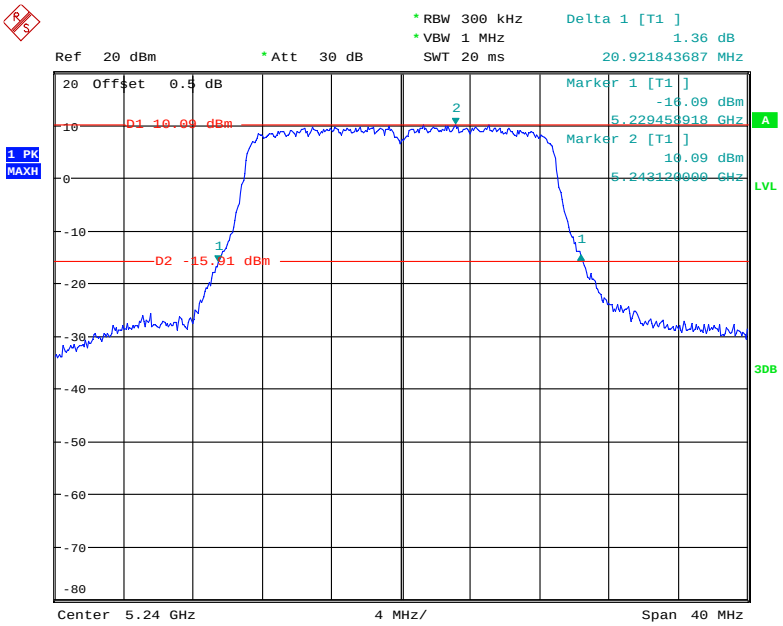

Date: 29.OCT.2017 14:15:10

## 802.11n ac20 Middle Channel



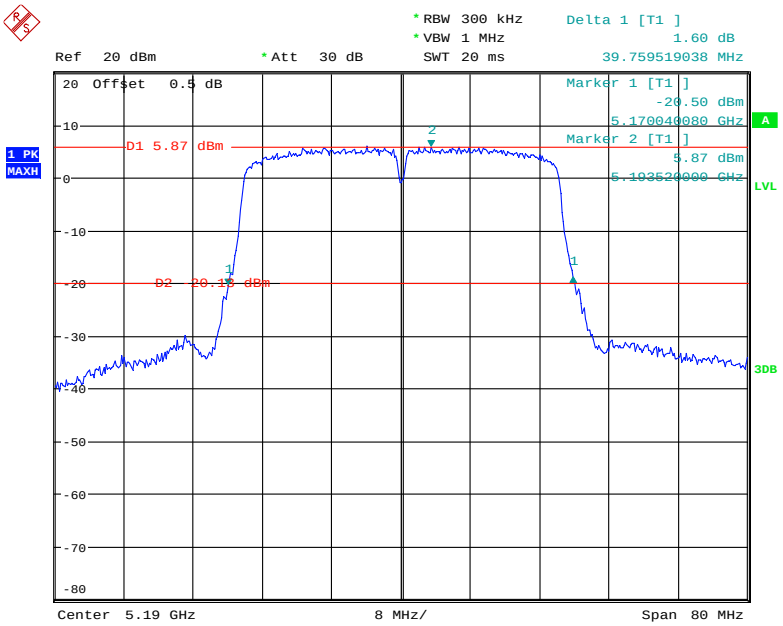

Date: 29.OCT.2017 14:16:45

## 802.11n ac20 High Channel



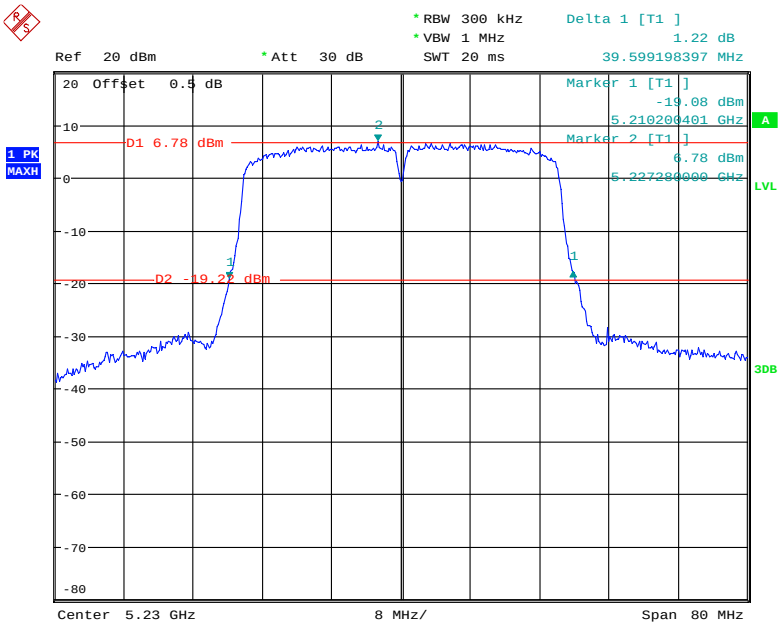

Date: 29.OCT.2017 14:17:45

## 802.11n ac40 Low Channel



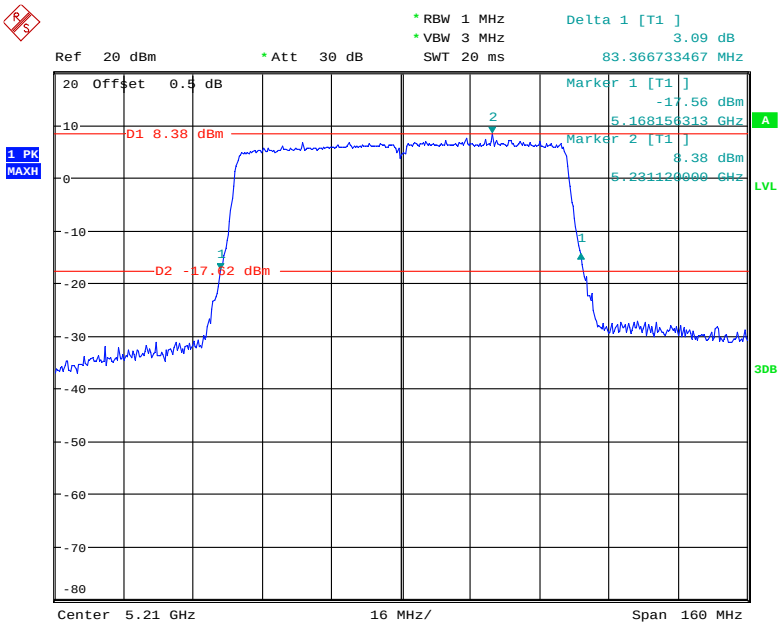

Date: 30.OCT.2017 18:45:47

## 802.11n ac40 High Channel




Date: 30.OCT.2017 18:47:28

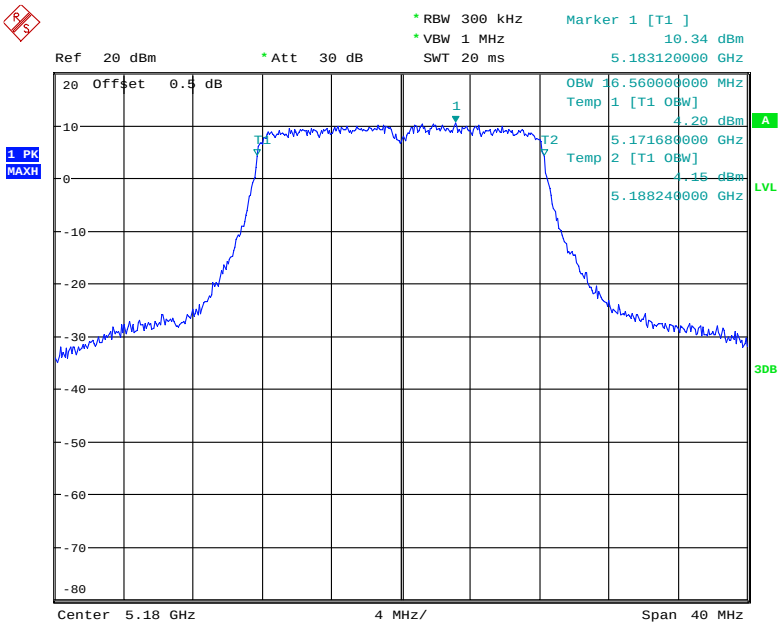
## 802.11ac80 Middle Channel




Date: 30.OCT.2017 22:07:58

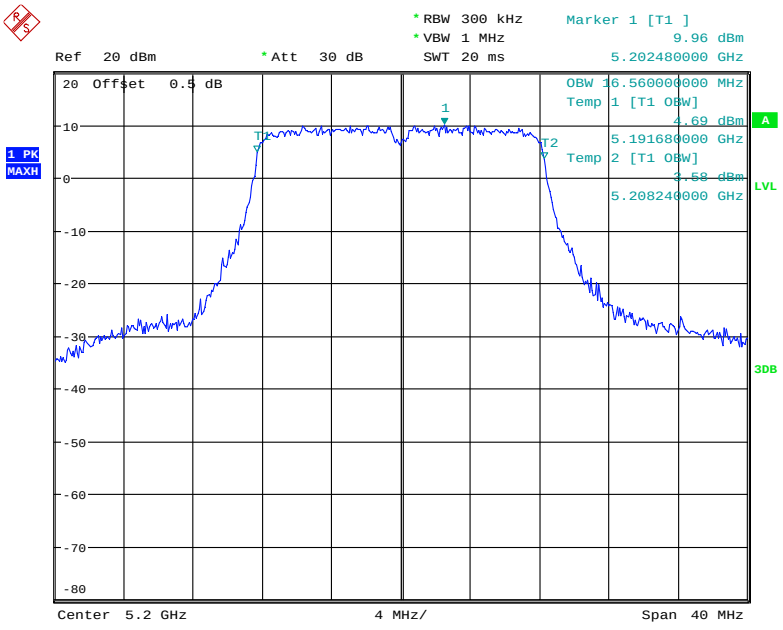
## 99% Occupied Bandwidth

### 802.11a Low Channel



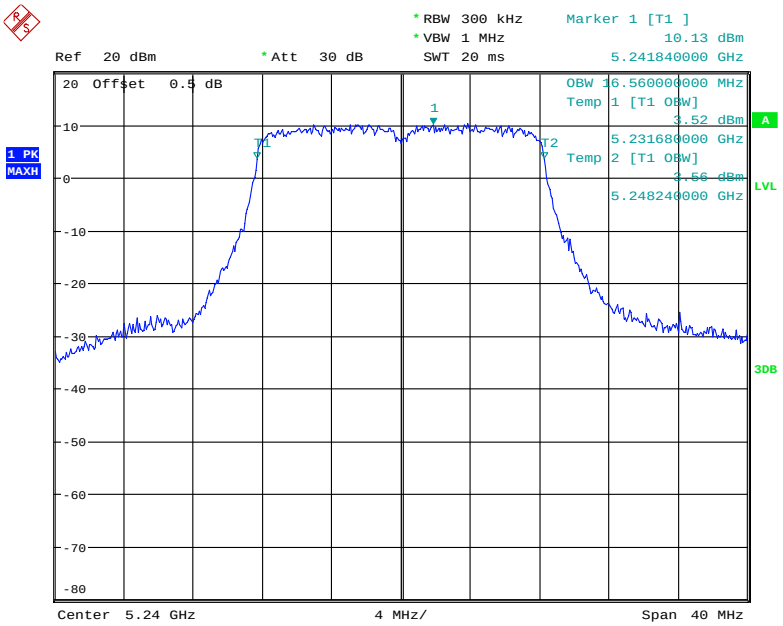

Date: 29.OCT.2017 10:38:05

### 802.11a Middle Channel



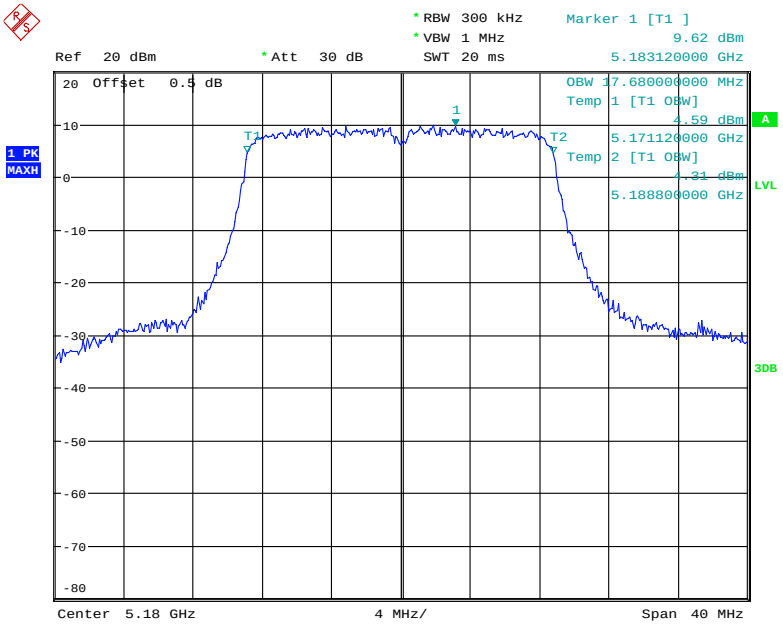

Date: 29.OCT.2017 10:39:00

## 802.11a High Channel



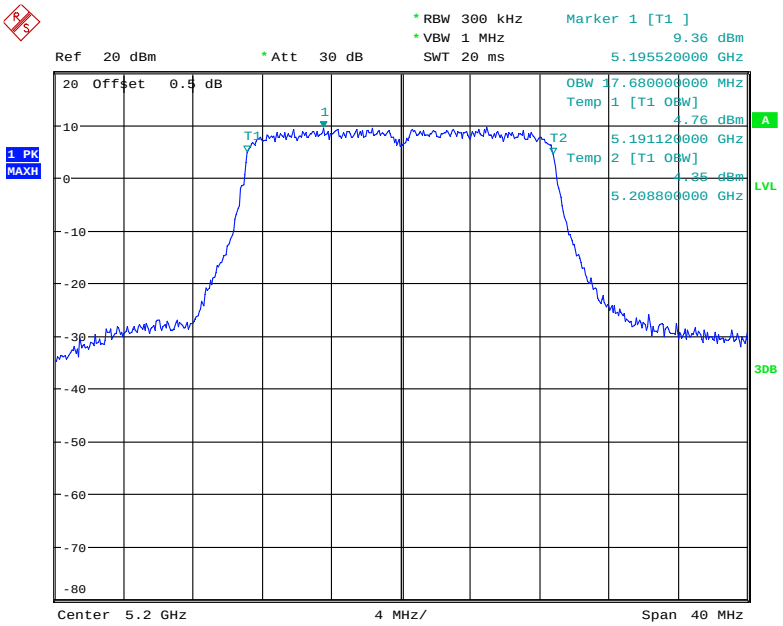

Date: 29.OCT.2017 10:40:14

## 802.11n ht20 Low Channel



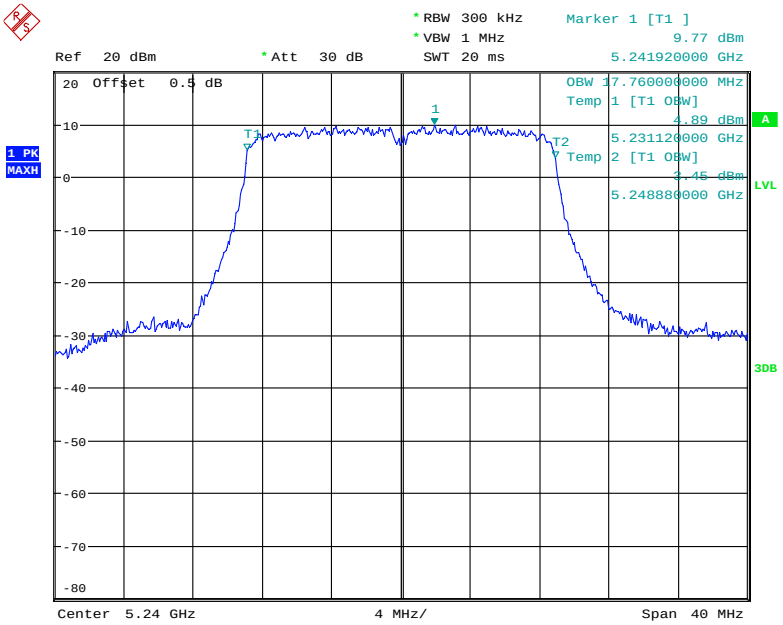

Date: 29.OCT.2017 14:13:11

## 802.11n ht20 Middle Channel



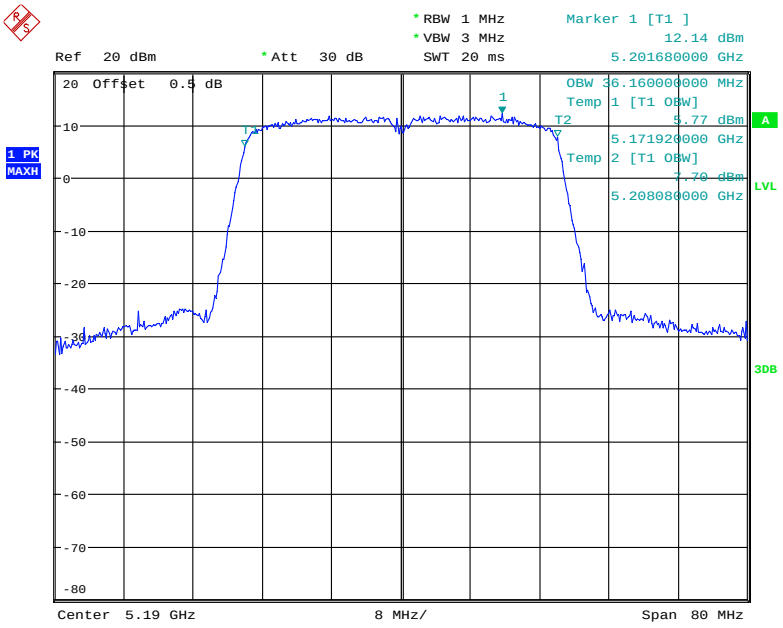

Date: 29.OCT.2017 14:12:00

## 802.11n ht20 High Channel



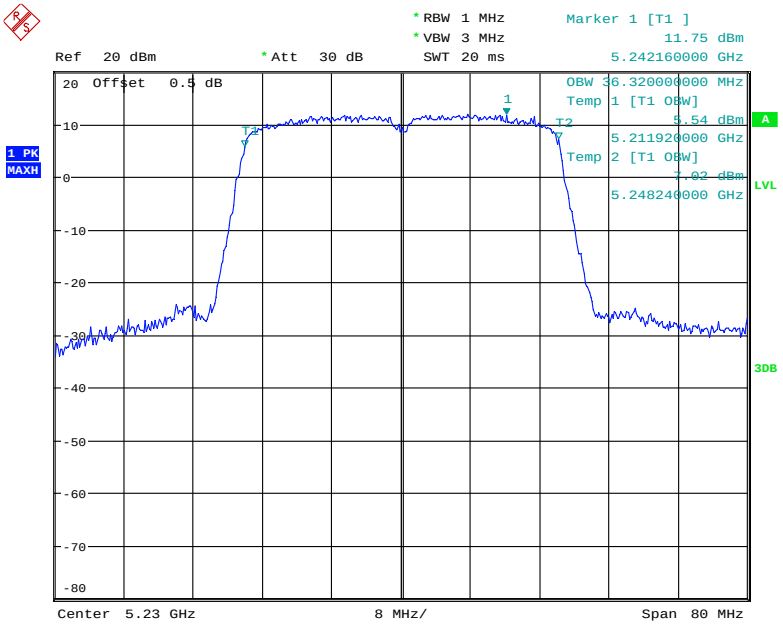

Date: 29.OCT.2017 14:10:38

## 802.11n ht40 Low Channel



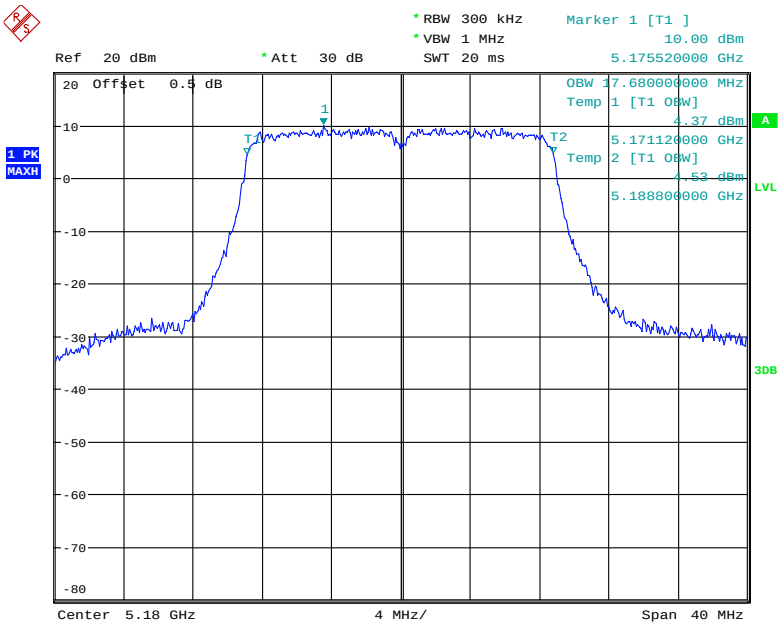

Date: 29.OCT.2017 17:57:16

## 802.11n ht40 High Channel



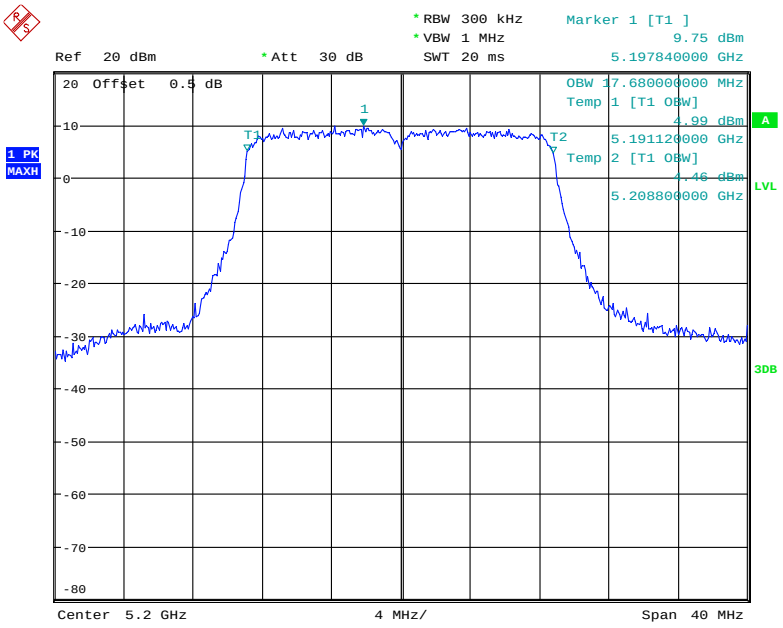

Date: 29.OCT.2017 17:55:49

## 802.11n ac20 Low Channel



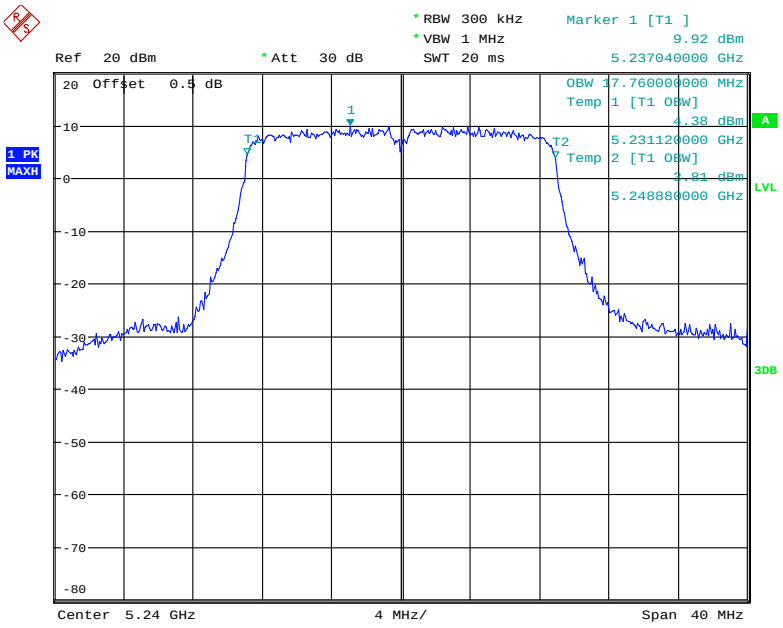

Date: 29.OCT.2017 14:15:21

## 802.11n ac20 Middle Channel



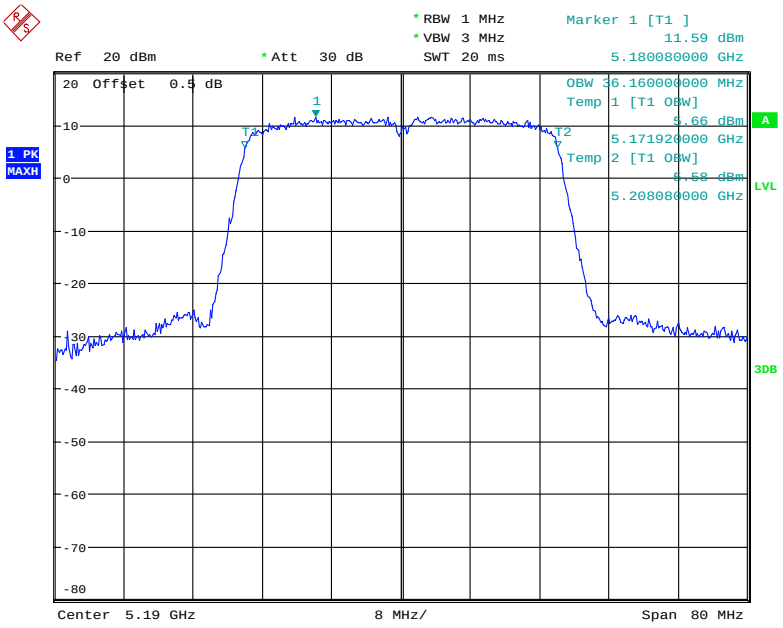

Date: 29.OCT.2017 14:16:57

## 802.11n ac20 High Channel



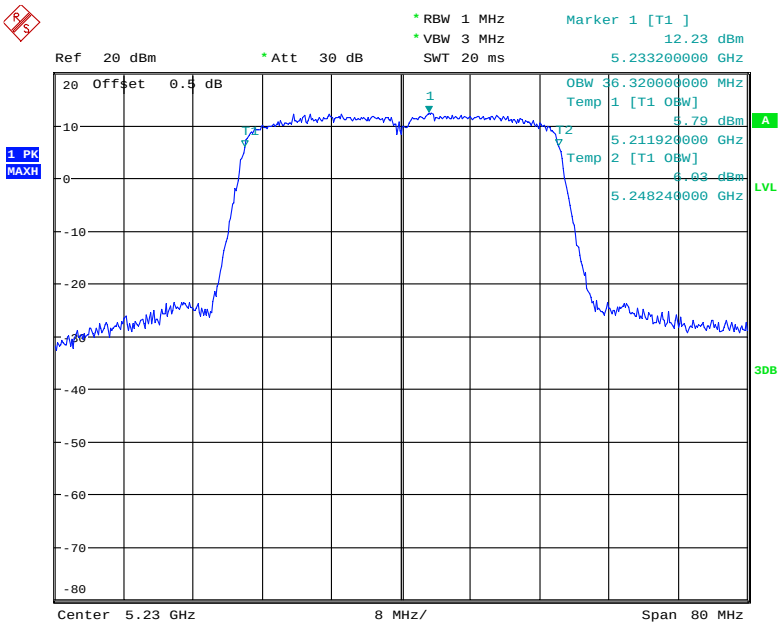

Date: 29.OCT.2017 14:17:57

## 802.11n ac40 Low Channel



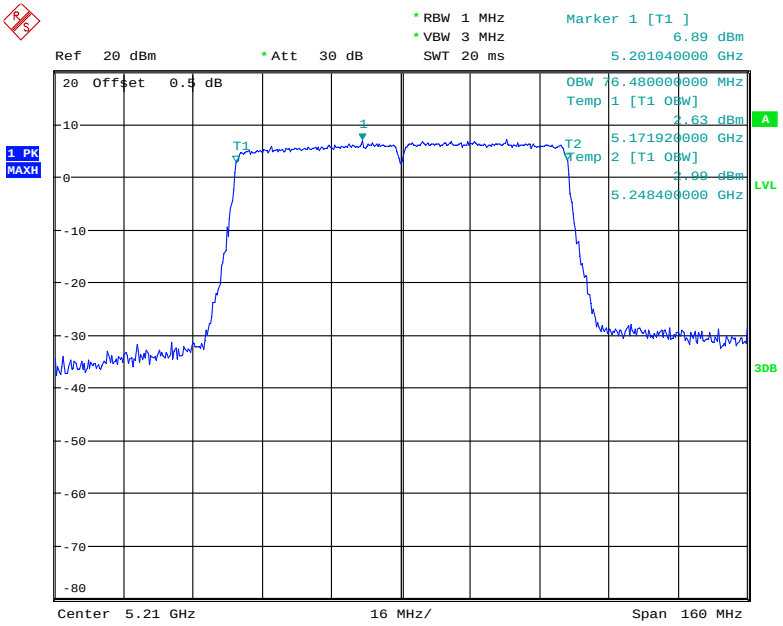

Date: 30.OCT.2017 18:45:59

## 802.11n ac40 High Channel




Date: 30.OCT.2017 18:47:41

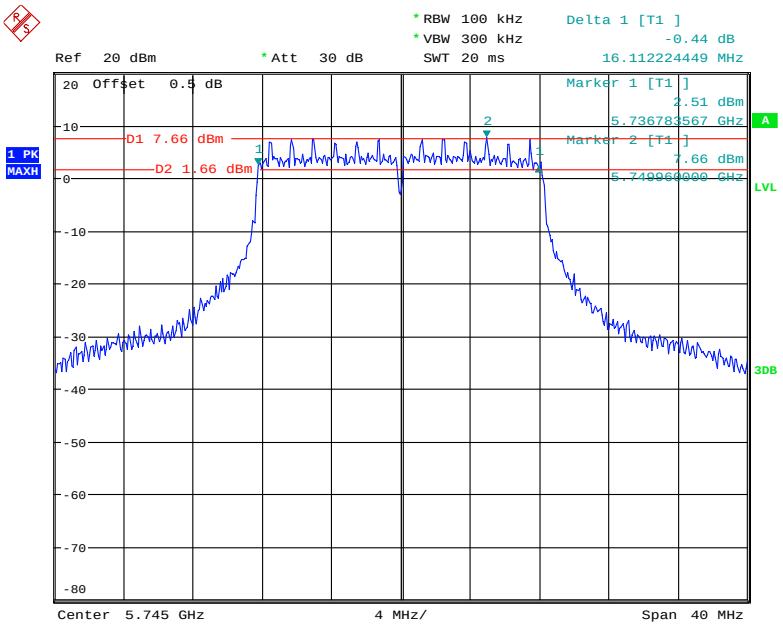
## 802.11ac80 Middle Channel




Date: 30.OCT.2017 22:08:11

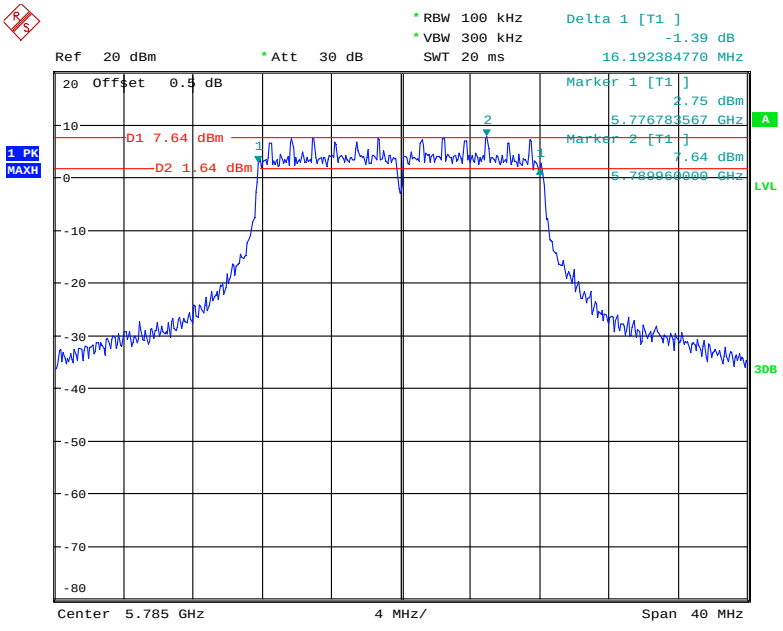
**5725-5850 MHz: 6dB Emission Bandwidth:**

**802.11a Low Channel**



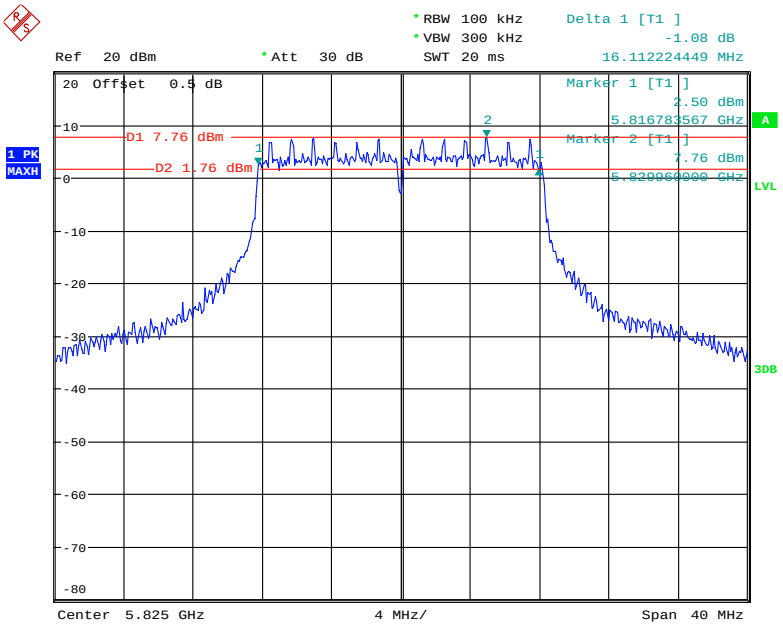

Date: 29.OCT.2017 10:50:00

**802.11a Middle Channel**



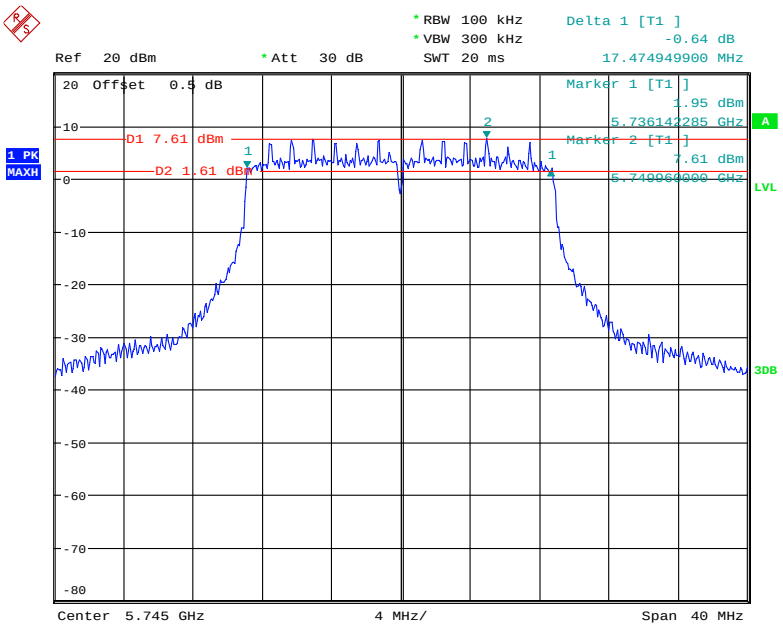

Date: 29.OCT.2017 10:51:57

## 802.11a High Channel



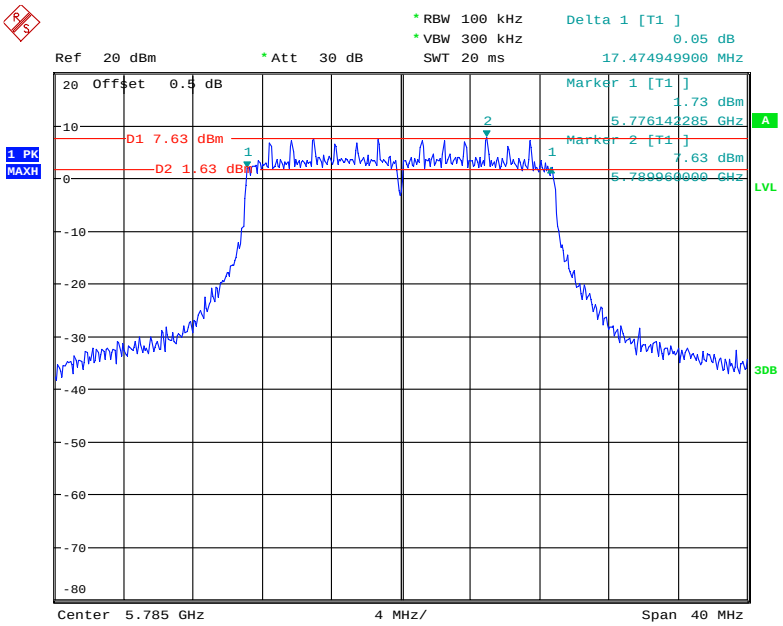

Date: 29.OCT.2017 10:53:17

## 802.11n ht20 Low Channel



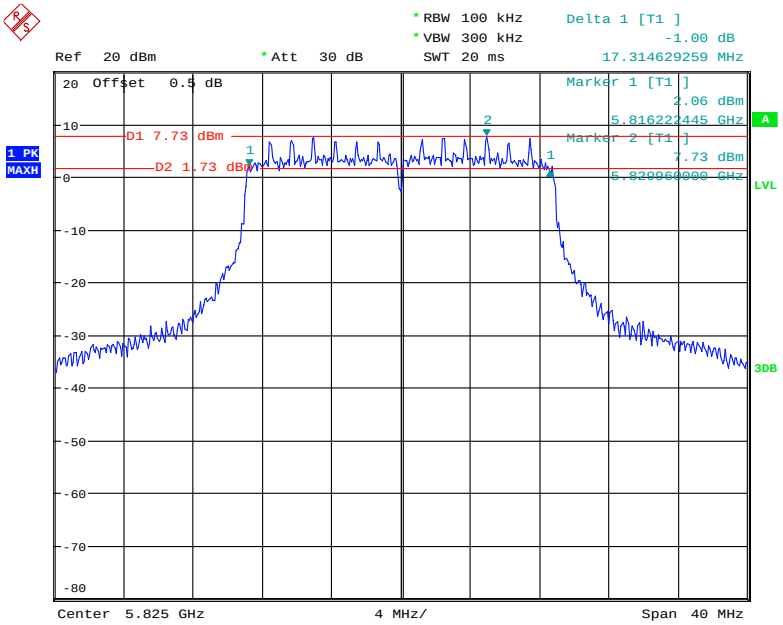

Date: 29.OCT.2017 14:00:31

## 802.11n ht20 Middle Channel



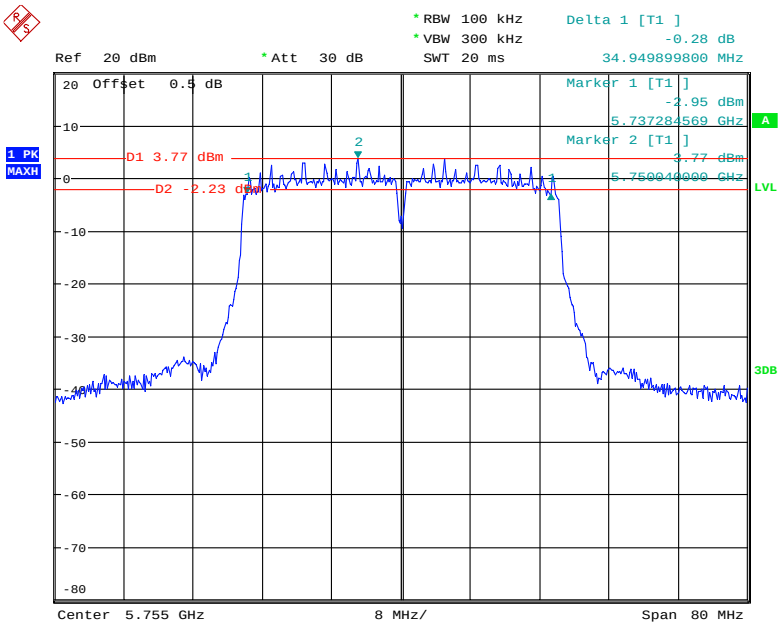

Date: 29.OCT.2017 13:59:02

## 802.11n ht20 High Channel



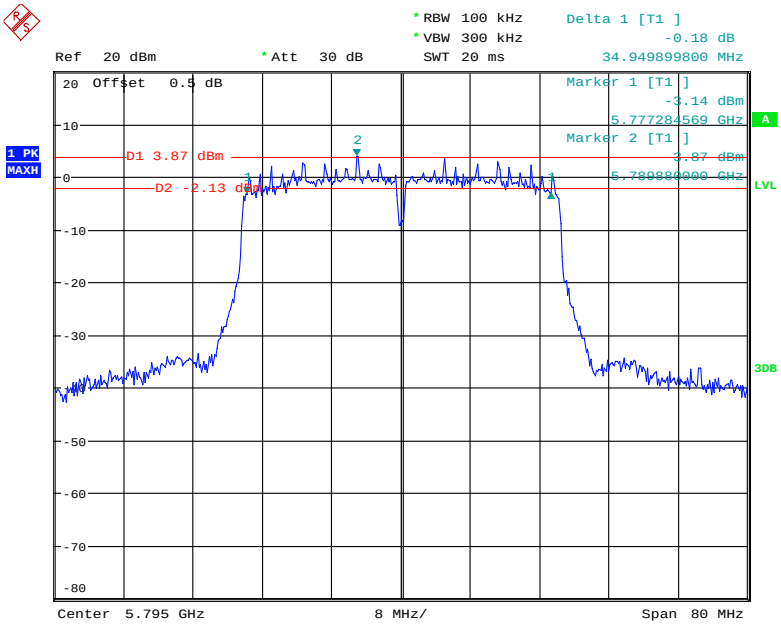

Date: 29.OCT.2017 13:57:07

## 802.11n ht40 Low Channel



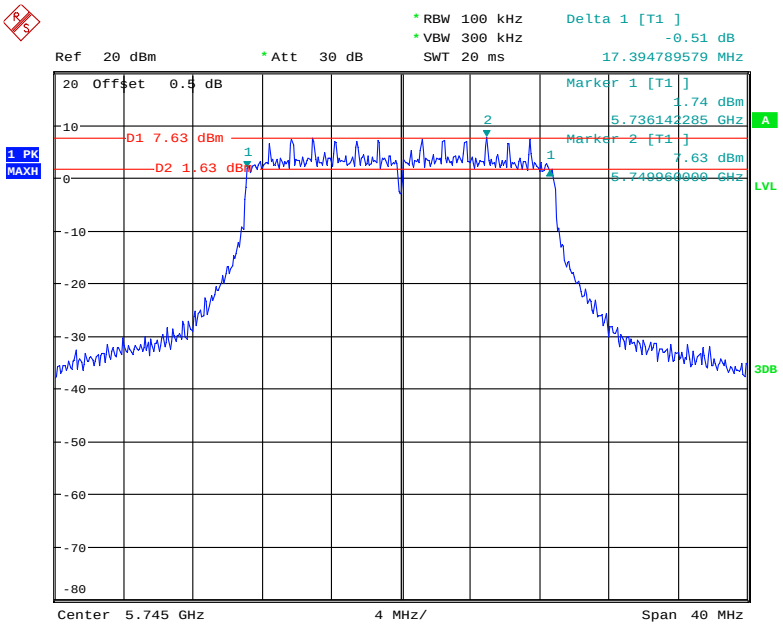

Date: 29.OCT.2017 17:43:24

## 802.11n ht40 High Channel



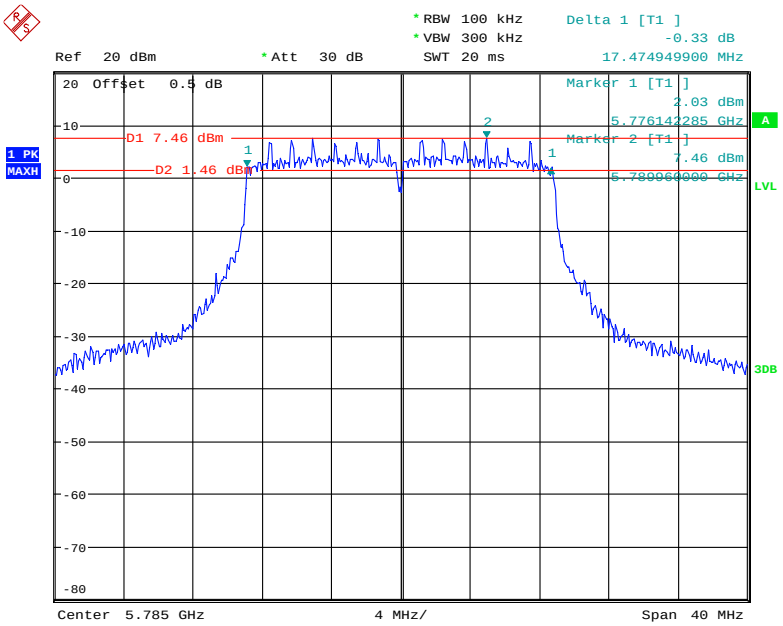

Date: 29.OCT.2017 17:41:16

## 802.11n ac20 Low Channel



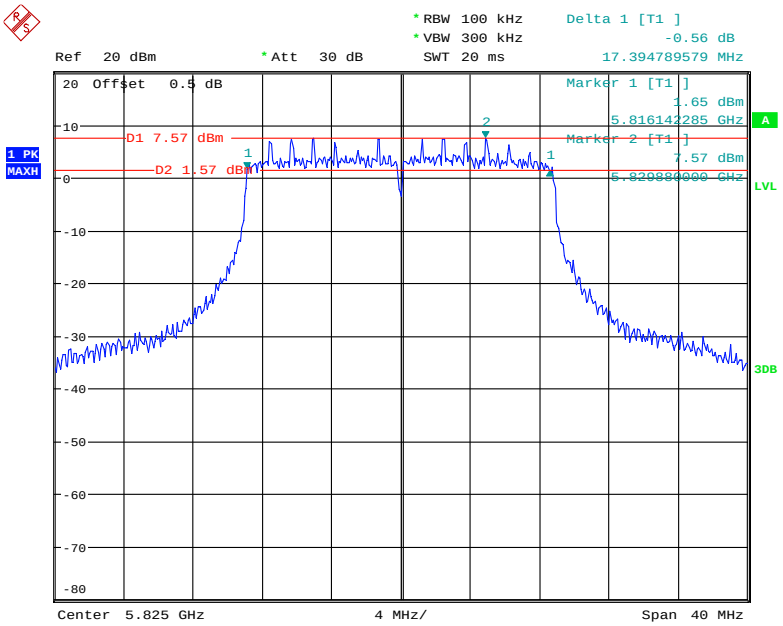

Date: 29.OCT.2017 14:28:37

## 802.11n ac20 Middle Channel



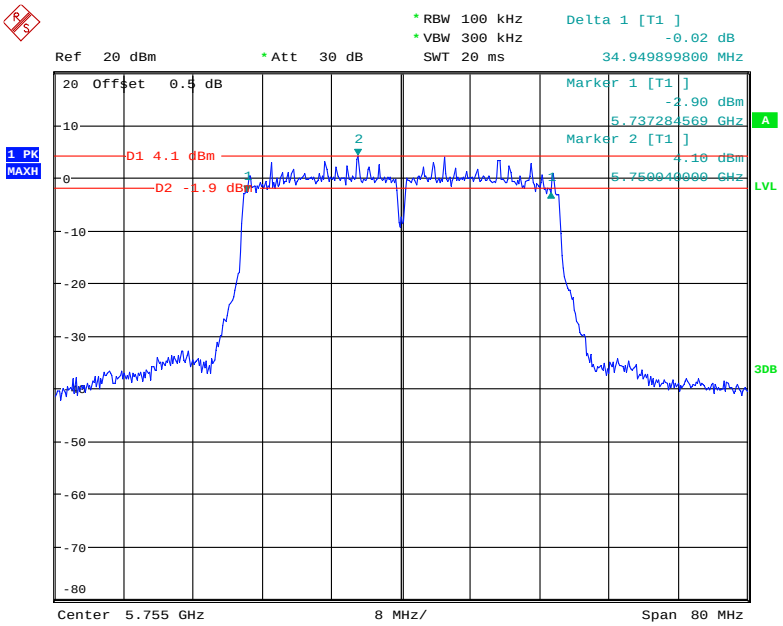

Date: 29.OCT.2017 14:30:30

## 802.11n ac20 High Channel



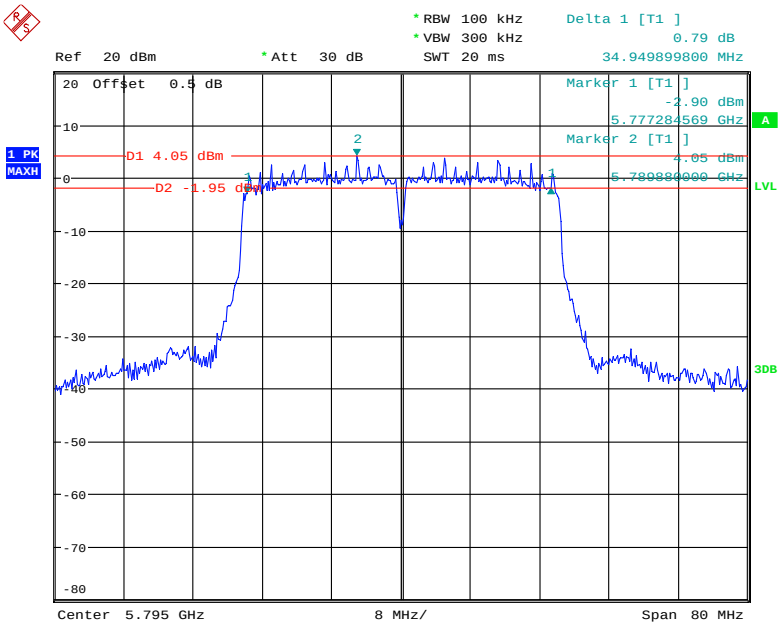

Date: 29.OCT.2017 14:31:54

## 802.11n ac40 Low Channel



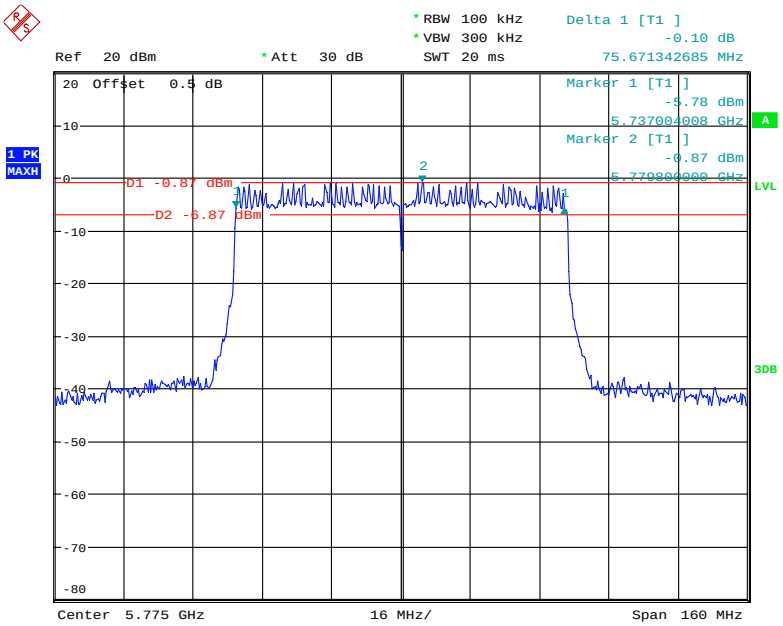

Date: 30.OCT.2017 18:59:21

## 802.11n ac40 High Channel




Date: 30.OCT.2017 19:01:42

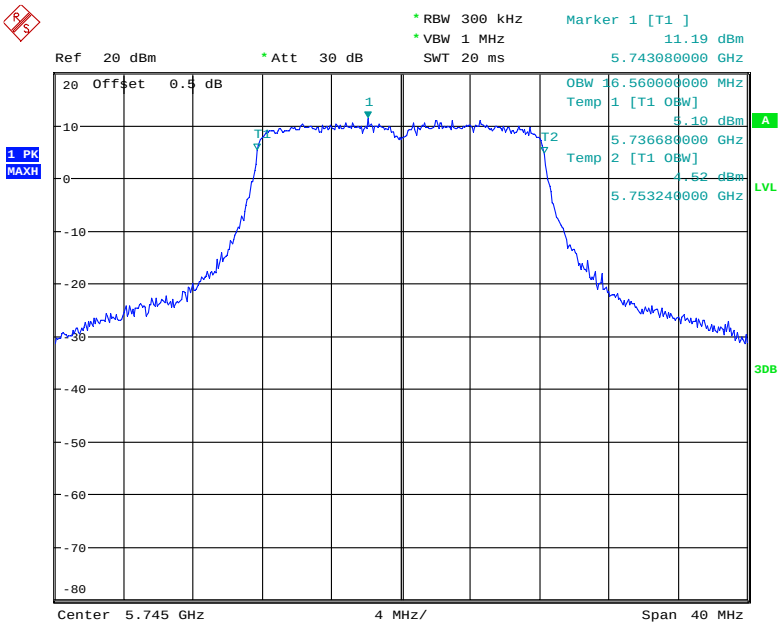
## 802.11ac80 Middle Channel




Date: 30.OCT.2017 22:20:35

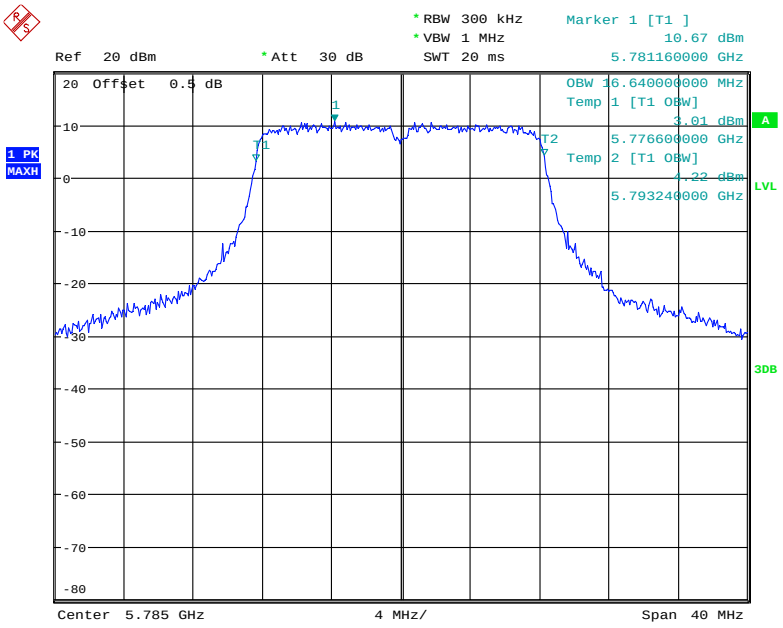
## 99% Occupied Bandwidth

### 802.11a Low Channel



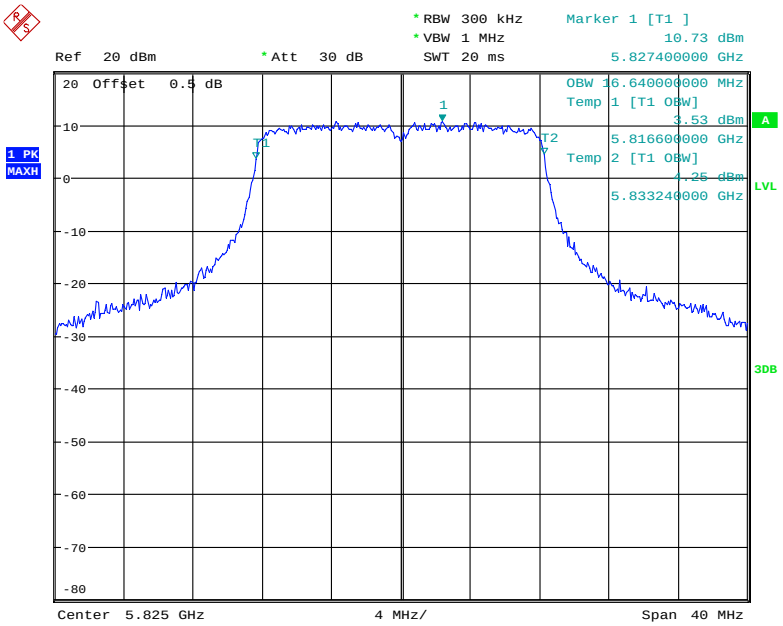

Date: 29.OCT.2017 10:50:13

### 802.11a Middle Channel



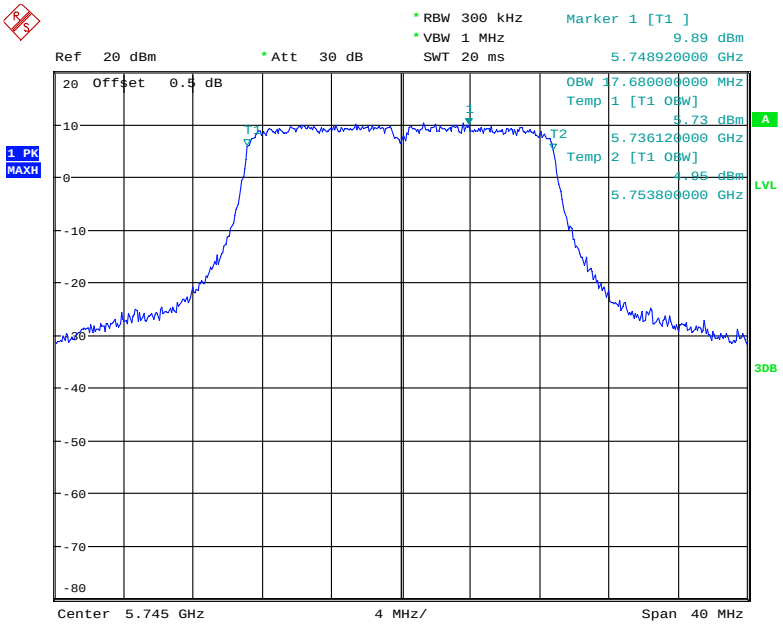

Date: 29.OCT.2017 10:52:08

## 802.11a High Channel



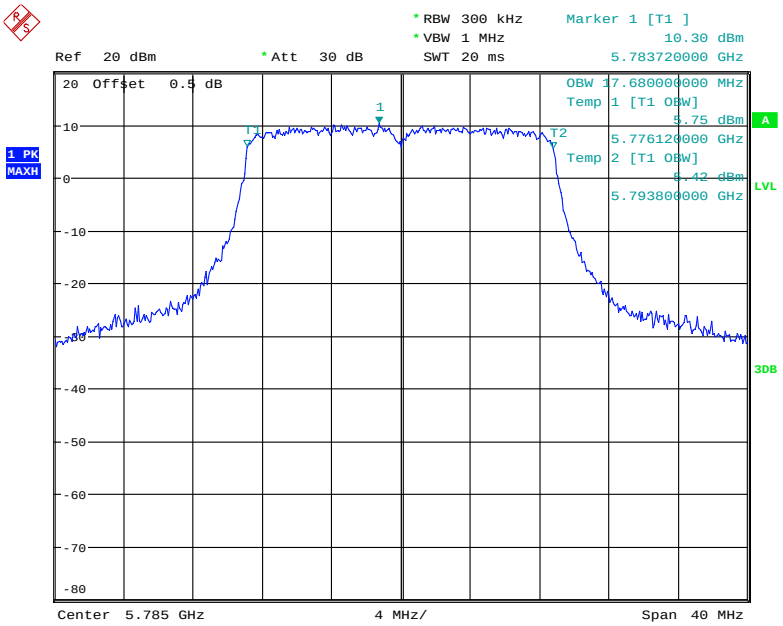

Date: 29.OCT.2017 10:53:29

## 802.11n ht20 Low Channel



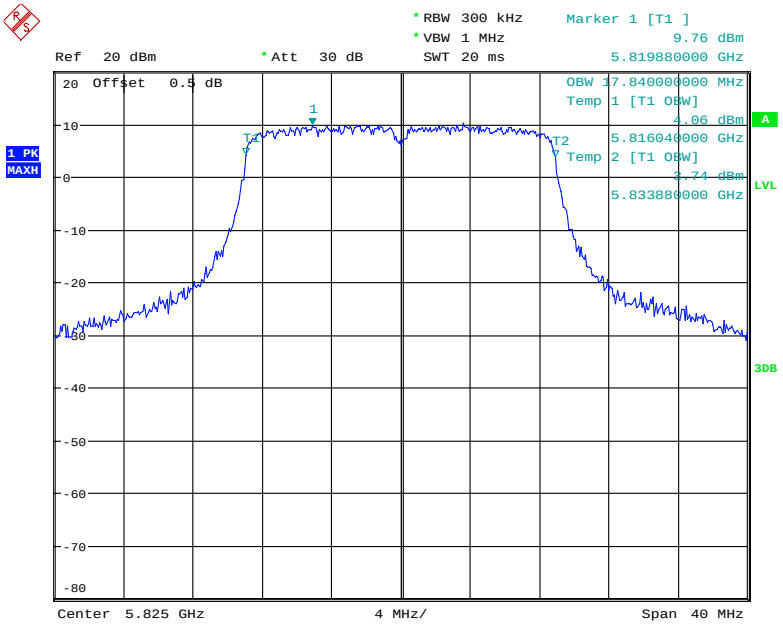

Date: 29.OCT.2017 14:00:45

## 802.11n ht20 Middle Channel



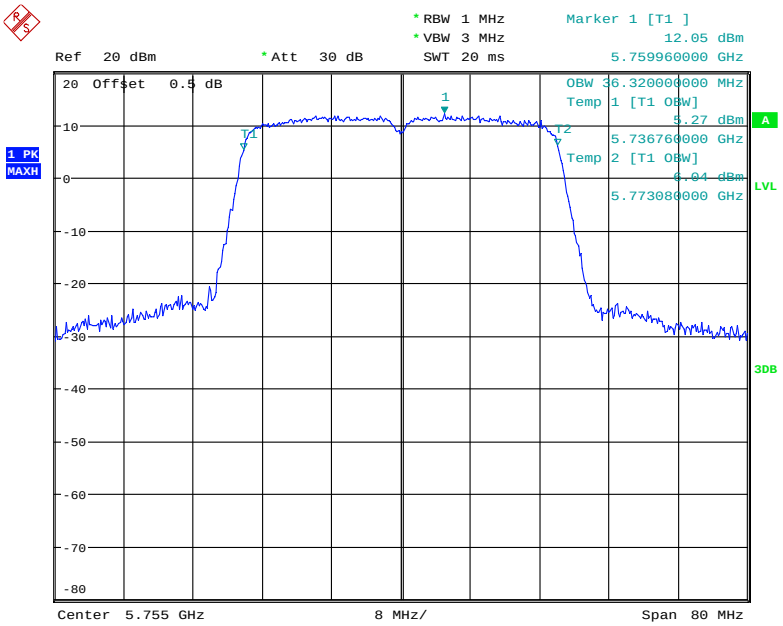

Date: 29.OCT.2017 13:59:14

## 802.11n ht20 High Channel



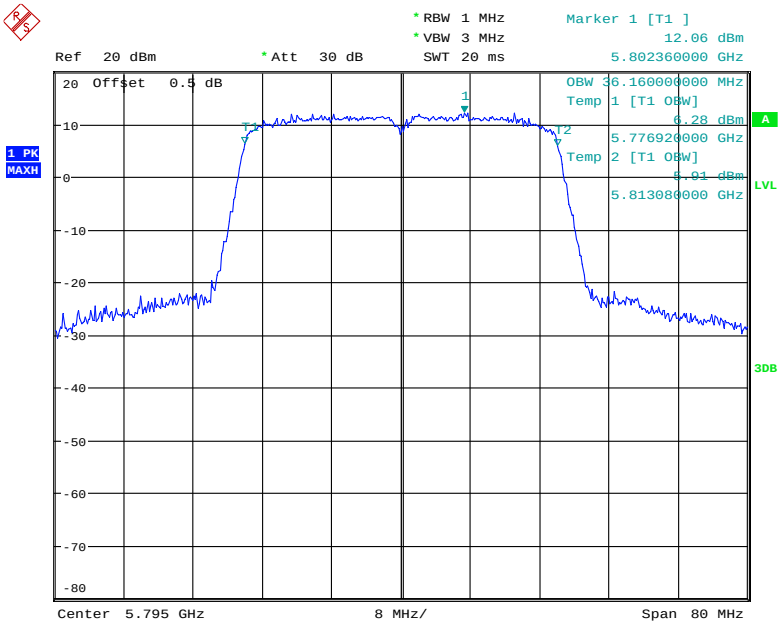

Date: 29.OCT.2017 13:57:19

## 802.11n ht40 Low Channel



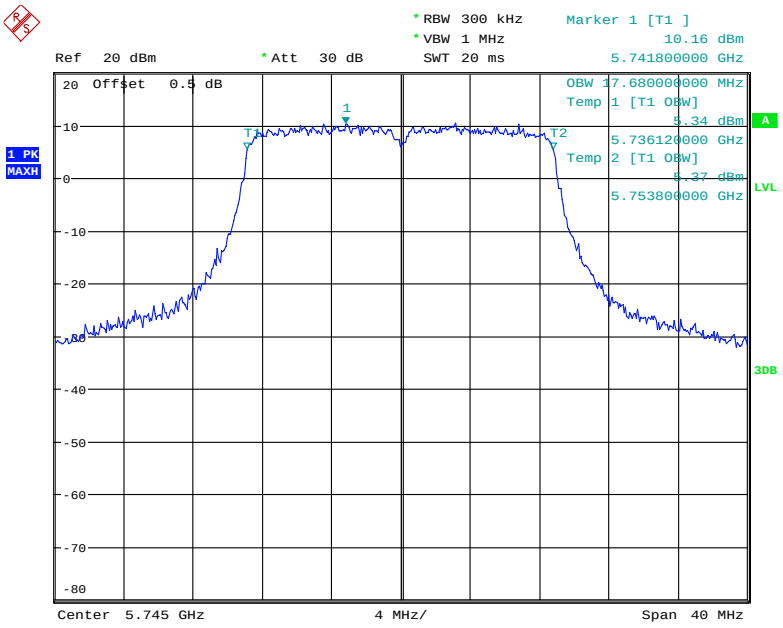

Date: 29.OCT.2017 17:43:37

## 802.11n ht40 High Channel



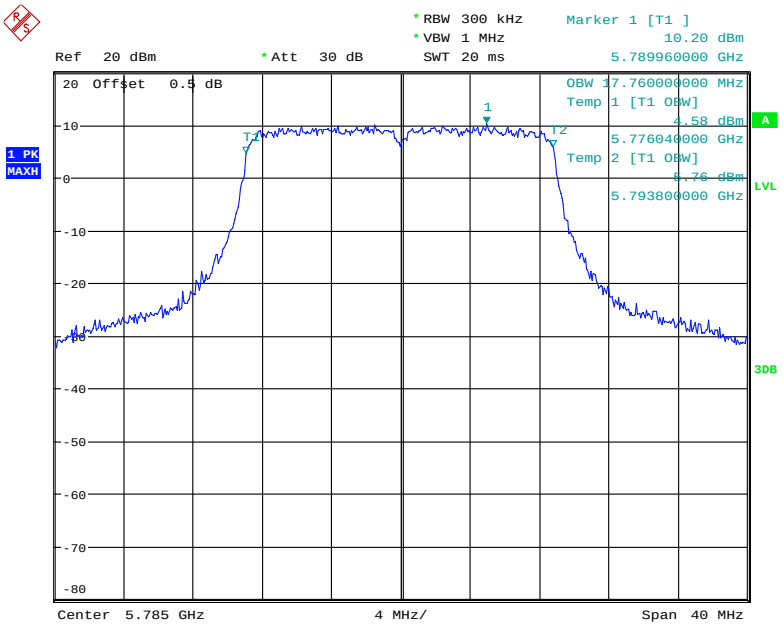

Date: 29.OCT.2017 17:41:29

## 802.11n ac20 Low Channel



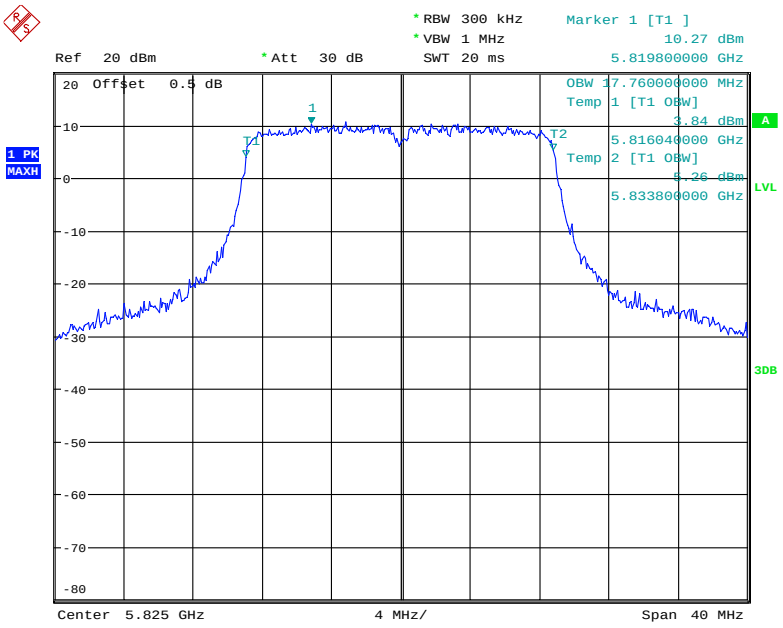

Date: 29.OCT.2017 14:28:49

## 802.11n ac20 Middle Channel



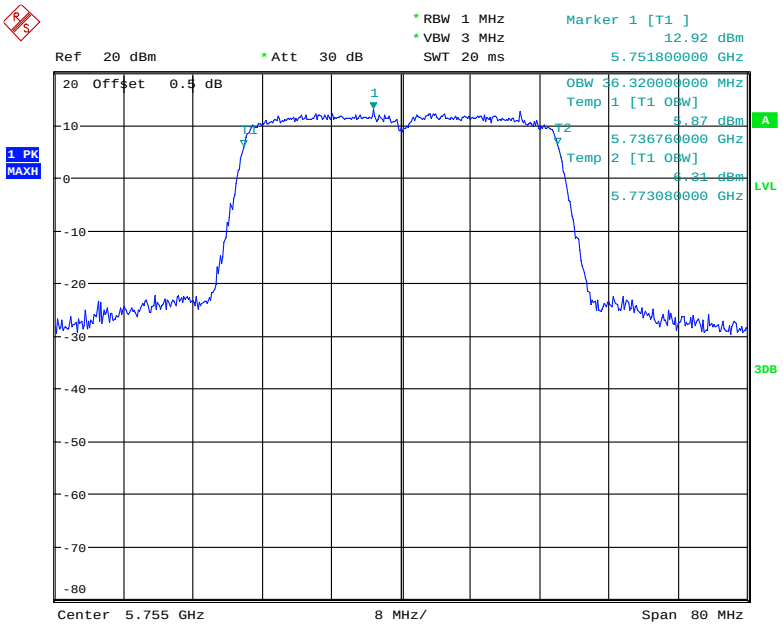

Date: 29.OCT.2017 14:30:42

## 802.11n ac20 High Channel



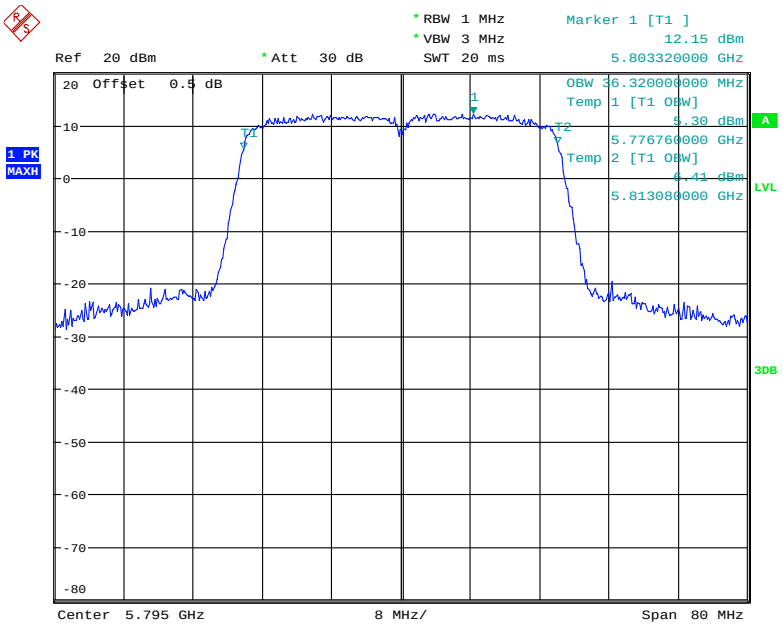

Date: 29.OCT.2017 14:32:07

## 802.11n ac40 Low Channel



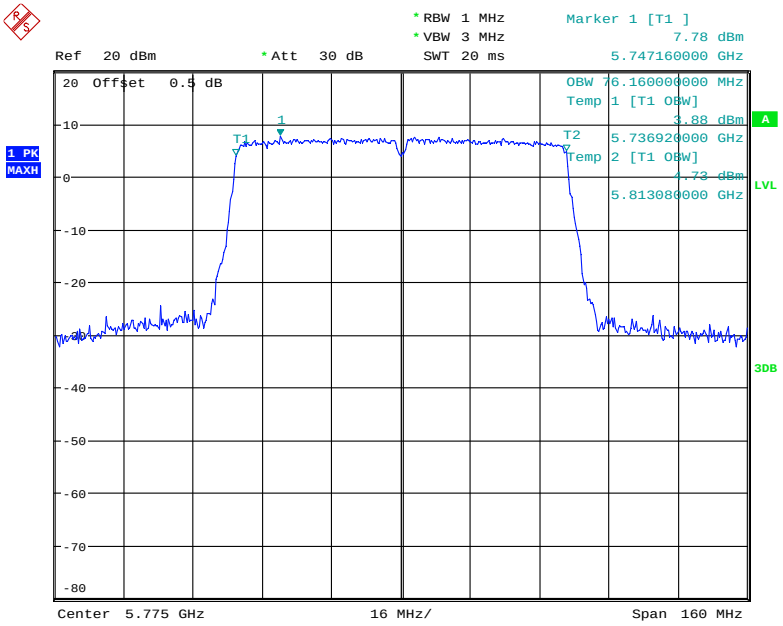

Date: 30.OCT.2017 18:59:33

## 802.11n ac40 High Channel




Date: 30.OCT.2017 19:01:55

## 802.11ac80 Middle Channel

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# FCC §15.407(a) –MAXIMUM CONDUCTED OUTPUT POWER

## Applicable Standard

(a) Power limits:

(1) For the band 5.15-5.25 GHz.

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(4) The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

## Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| Agilent | Wideband Power Sensor | N1921A | MY54210016 | 2016-11-03 | 2017-11-03 |
| Agilent | Wideband Power Sensor | N1921A | MY54170013 | 2016-11-03 | 2017-11-03 |
| Agilent | P-Series Power Meter | N1912A | MY5000448 | 2016-11-03 | 2017-11-03 |
| Unknown | Coaxial Cable | C-SJ00-0010 | C0010/04 | Each Time | / |

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

## Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v01r04

## Test Data

### Environmental Conditions

| | |
|---|---|
| **Temperature:** | 26.1~26.9°C |
| **Relative Humidity:** | 44~52 % |
| **ATM Pressure:** | 100.8~101.6 kPa |

*The testing was performed by Blake Yang from 2017-10-21 to 2017-11-03.*

*Test Mode: Transmitting*

***Radio 0***

***SISO:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | |
| 5150-5250 MHz | 802.11 a | 5180 | 15.16 | 15.28 | 15.26 | 14.95 | 30 |
| | | 5200 | 15.08 | 15.17 | 15.29 | 14.91 | 30 |
| | | 5240 | 15.49 | 15.23 | 14.89 | 14.95 | 30 |
| | 802.11ht20 | 5180 | 15.24 | 14.91 | 15.07 | 15.09 | 30 |
| | | 5200 | 15.32 | 15 | 15.1 | 15.24 | 30 |
| | | 5240 | 14.99 | 14.89 | 15.35 | 15.16 | 30 |
| | 802.11ht40 | 5190 | 13.68 | 13.99 | 14.25 | 13.71 | 30 |
| | | 5230 | 13.79 | 13.99 | 13.93 | 14.07 | 30 |
| | 802.11 ac20 | 5180 | 15.03 | 14.87 | 15.05 | 14.86 | 30 |
| | | 5200 | 15.15 | 14.95 | 15.01 | 14.78 | 30 |
| | | 5240 | 15.24 | 15.08 | 14.67 | 14.82 | 30 |
| | 802.11 ac40 | 5190 | 14.14 | 14.08 | 14.34 | 13.99 | 30 |
| | | 5230 | 13.97 | 14.01 | 14.06 | 14.09 | 30 |
| | 802.11 ac80 | 5210 | 12.36 | 12.46 | 12.76 | 12.34 | 30 |

***Non-beamforming 2TX***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | Limit (dBm) |
|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Total | |
| 5150-5250 MHz | 802.11 a | 5180 | 15.06 | 15.13 | 18.11 | 30 |
| | | 5200 | 14.89 | 15.04 | 17.98 | 30 |
| | | 5240 | 15.38 | 15.37 | 18.39 | 30 |
| | 802.11ht20 | 5180 | 15.09 | 14.71 | 17.91 | 30 |
| | | 5200 | 15.38 | 14.92 | 18.17 | 30 |
| | | 5240 | 15.01 | 15.05 | 18.04 | 30 |
| | 802.11ht40 | 5190 | 13.75 | 13.97 | 16.87 | 30 |
| | | 5230 | 13.59 | 14.16 | 16.89 | 30 |
| | 802.11 ac20 | 5180 | 14.98 | 14.86 | 17.93 | 30 |
| | | 5200 | 15.13 | 14.8 | 17.98 | 30 |
| | | 5240 | 15.34 | 15 | 18.18 | 30 |
| | 802.11 ac40 | 5190 | 13.95 | 14.02 | 17 | 30 |
| | | 5230 | 13.82 | 14.16 | 17 | 30 |
| | 802.11 ac80 | 5210 | 12.28 | 12.51 | 15.41 | 30 |

Note: the device is a master device.All the antenna maximum atenna gains are 2.8dBi in 5GHz band, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

So:

Directional gain = GANT + Array Gain = 2.8dBi < 6dBi

***Non-beamforming 3TX:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Total (dBm) | |
| 5150-5250 MHz | 802.11 a | 5180 | 15.23 | 15.26 | 15.22 | 20.01 | 30 |
| | | 5200 | 15.24 | 15.34 | 15.42 | 20.11 | 30 |
| | | 5240 | 15.52 | 15.04 | 14.8 | 19.9 | 30 |
| | 802.11ht20 | 5180 | 15.35 | 14.76 | 15.17 | 19.87 | 30 |
| | | 5200 | 15.17 | 15.19 | 15.27 | 19.98 | 30 |
| | | 5240 | 14.83 | 14.73 | 15.17 | 19.69 | 30 |
| | 802.11ht40 | 5190 | 13.81 | 13.93 | 14.18 | 18.75 | 30 |
| | | 5230 | 13.96 | 14.05 | 14.03 | 18.78 | 30 |
| | 802.11 ac20 | 5180 | 14.87 | 14.96 | 15.08 | 19.74 | 30 |
| | | 5200 | 15.22 | 14.76 | 14.94 | 19.75 | 30 |
| | | 5240 | 15.44 | 14.98 | 14.63 | 19.8 | 30 |
| | 802.11 ac40 | 5190 | 13.97 | 14.09 | 14.34 | 18.91 | 30 |
| | | 5230 | 13.83 | 13.85 | 14.2 | 18.73 | 30 |
| | 802.11 ac80 | 5210 | 12.31 | 12.55 | 12.95 | 17.38 | 30 |

Note: the device is a master device.All the antenna maximum atenna gains are 2.8dBi in 5GHz band, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

So:

Directional gain = GANT + Array Gain = 2.8dBi < 6dBi

***Non-beamforming 4TX:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | Total (dBm) | |
| 5150-5250 MHz | 802.11 a | 5180 | 15.27 | 15.41 | 15.44 | 14.79 | 21.26 | 30 |
| | | 5200 | 14.98 | 15.19 | 15.34 | 14.75 | 21.09 | 30 |
| | | 5240 | 15.46 | 15.15 | 14.74 | 15.01 | 21.12 | 30 |
| | 802.11ht20 | 5180 | 15.42 | 14.95 | 15.24 | 14.99 | 21.17 | 30 |
| | | 5200 | 15.49 | 14.82 | 15.29 | 15.44 | 21.29 | 30 |
| | | 5240 | 15.14 | 14.78 | 15.18 | 15.16 | 21.09 | 30 |
| | 802.11ht40 | 5190 | 13.67 | 13.84 | 14.08 | 13.62 | 19.83 | 30 |
| | | 5230 | 13.94 | 13.93 | 13.86 | 13.99 | 19.95 | 30 |
| | 802.11 ac20 | 5180 | 15.04 | 14.87 | 15.2 | 14.81 | 21 | 30 |
| | | 5200 | 15.14 | 14.97 | 15.16 | 14.64 | 21 | 30 |
| | | 5240 | 15.22 | 14.9 | 14.85 | 14.73 | 20.95 | 30 |
| | 802.11 ac40 | 5190 | 14.28 | 14.01 | 14.48 | 13.95 | 20.21 | 30 |
| | | 5230 | 13.93 | 13.97 | 14.18 | 14.02 | 20.05 | 30 |
| | 802.11 ac80 | 5210 | 12.34 | 12.33 | 12.7 | 12.26 | 18.43 | 30 |

Note: the device is a master device.All the antenna maximum atenna gains are 2.8dBi in 5GHz band, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

So:

Directional gain = GANT + Array Gain = 2.8dBi < 6dBi

***Beamforming 2TX***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | Limit (dBm) |
|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Total (dBm) | |
| 5150-5250 MHz | 802.11 a | 5180 | 15.35 | 15.24 | 18.31 | 30 |
| | | 5200 | 14.92 | 15.03 | 17.99 | 30 |
| | | 5240 | 15.41 | 15.03 | 18.23 | 30 |
| | 802.11ht20 | 5180 | 15.22 | 15.09 | 18.17 | 30 |
| | | 5200 | 15.33 | 15.2 | 18.28 | 30 |
| | | 5240 | 14.84 | 15.02 | 17.94 | 30 |
| | 802.11ht40 | 5190 | 13.59 | 13.95 | 16.78 | 30 |
| | | 5230 | 13.65 | 13.81 | 16.74 | 30 |
| | 802.11 ac20 | 5180 | 15.04 | 14.68 | 17.87 | 30 |
| | | 5200 | 15.15 | 14.88 | 18.03 | 30 |
| | | 5240 | 15.33 | 15.11 | 18.23 | 30 |
| | 802.11 ac40 | 5190 | 14.26 | 14.2 | 17.24 | 30 |
| | | 5230 | 13.83 | 13.98 | 16.92 | 30 |
| | 802.11 ac80 | 5210 | 12.32 | 12.33 | 15.34 | 30 |

Note: the device is a master device.all the antenna maximum atenna gains are 2.8 dBi, and employed beamforming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 10 log(NANT/NSS) dB;

So:

Directional gain = GANT + Array Gain = 2.8dBi + 10 log(1) =2.8dBi

***Beamforming 3TX:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Total (dBm) | |
| 5150-5250 MHz | 802.11 a | 5180 | 15.07 | 15.11 | 15.01 | 19.83 | 30 |
| | | 5200 | 15.01 | 15.34 | 14.76 | 19.81 | 30 |
| | | 5240 | 15.43 | 14.95 | 14.89 | 19.87 | 30 |
| | 802.11ht20 | 5180 | 15.02 | 15.19 | 15.28 | 19.94 | 30 |
| | | 5200 | 15.01 | 14.95 | 15.04 | 19.77 | 30 |
| | | 5240 | 14.72 | 15.39 | 14.96 | 19.8 | 30 |
| | 802.11ht40 | 5190 | 13.82 | 14.42 | 13.59 | 18.73 | 30 |
| | | 5230 | 13.79 | 13.79 | 14 | 18.63 | 30 |
| | 802.11 ac20 | 5180 | 15.07 | 14.98 | 14.66 | 19.68 | 30 |
| | | 5200 | 14.81 | 15.06 | 14.62 | 19.6 | 30 |
| | | 5240 | 15.15 | 14.8 | 14.89 | 19.72 | 30 |
| | 802.11 ac40 | 5190 | 14 | 14.45 | 14.16 | 18.98 | 30 |
| | | 5230 | 13.96 | 13.86 | 13.94 | 18.69 | 30 |
| | 802.11 ac80 | 5210 | 12.37 | 12.78 | 12.29 | 17.26 | 30 |

Note: the device is a master device.all the antenna maximum atenna gains are 2.8 dBi, and employed beamforming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 10 log(NANT/NSS) dB;

So:

Directional gain = GANT + Array Gain = 2.8 dBi + 10 log(1) = 2.8dBi

***Beamforming 4TX:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | Total (dBm) | |
| 5150-5250 MHz | 802.11 a | 5180 | 15.02 | 15.29 | 15.27 | 14.95 | 21.16 | 30 |
| | | 5200 | 15.03 | 15.3 | 15.29 | 14.98 | 21.17 | 30 |
| | | 5240 | 15.61 | 15.15 | 14.76 | 14.75 | 21.1 | 30 |
| | 802.11ht20 | 5180 | 15.36 | 14.97 | 15.25 | 15.12 | 21.2 | 30 |
| | | 5200 | 15.43 | 14.91 | 15.23 | 15.22 | 21.22 | 30 |
| | | 5240 | 14.93 | 14.98 | 15.4 | 14.98 | 21.1 | 30 |
| | 802.11ht40 | 5190 | 13.79 | 14.04 | 14.1 | 13.8 | 19.96 | 30 |
| | | 5230 | 13.8 | 14.09 | 14.12 | 14.21 | 20.08 | 30 |
| | 802.11 ac20 | 5180 | 14.84 | 14.91 | 14.96 | 14.7 | 20.87 | 30 |
| | | 5200 | 14.98 | 14.8 | 14.83 | 14.92 | 20.9 | 30 |
| | | 5240 | 15.15 | 15.27 | 14.76 | 14.95 | 21.06 | 30 |
| | 802.11 ac40 | 5190 | 14.04 | 14.07 | 14.45 | 14.05 | 20.18 | 30 |
| | | 5230 | 14.03 | 13.89 | 14.19 | 13.91 | 20.03 | 30 |
| | 802.11 ac80 | 5210 | 12.5 | 12.5 | 12.89 | 12.32 | 18.58 | 30 |

Note: the device is a master device.all the antenna maximum atenna gains are 2.8 dBi, and employed beamforming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 10 log(NANT/NSS) dB;

So:

Directional gain = GANT + Array Gain = 2.8dBi + 10 log(1) = 2.8dBi

***Radio 1***
***SISO:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | |
| 5150-5250 MHz | 802.11 a | 5180 | 18.01 | 17.74 | 17.65 | 17.69 | 30 |
| | | 5200 | 17.75 | 17.82 | 17.71 | 17.84 | 30 |
| | | 5240 | 17.71 | 17.64 | 17.7 | 17.57 | 30 |
| | 802.11ht20 | 5180 | 17.54 | 17.76 | 17.78 | 17.59 | 30 |
| | | 5200 | 17.91 | 17.66 | 17.64 | 17.71 | 30 |
| | | 5240 | 17.62 | 17.73 | 17.91 | 17.67 | 30 |
| | 802.11ht40 | 5190 | 16.74 | 16.65 | 16.92 | 16.75 | 30 |
| | | 5230 | 16.65 | 16.75 | 16.98 | 16.82 | 30 |
| | 802.11 ac20 | 5180 | 17.71 | 17.69 | 17.68 | 17.82 | 30 |
| | | 5200 | 17.76 | 17.75 | 17.64 | 17.75 | 30 |
| | | 5240 | 17.69 | 17.61 | 17.8 | 17.7 | 30 |
| | 802.11 ac40 | 5190 | 16.67 | 16.65 | 16.75 | 16.63 | 30 |
| | | 5230 | 16.83 | 16.77 | 16.84 | 16.74 | 30 |
| | 802.11 ac80 | 5210 | 15.02 | 15.23 | 14.98 | 15.07 | 30 |
| 5725-5850 MHz | 802.11 a | 5745 | 17.83 | 18 | 18.09 | 17.74 | 30 |
| | | 5785 | 17.78 | 17.95 | 17.89 | 17.72 | 30 |
| | | 5825 | 17.83 | 17.81 | 17.85 | 17.71 | 30 |
| | 802.11ht20 | 5745 | 18.02 | 18.45 | 18.39 | 17.83 | 30 |
| | | 5785 | 17.96 | 18.39 | 18.24 | 17.75 | 30 |
| | | 5825 | 18.05 | 18.22 | 18.24 | 17.84 | 30 |
| | 802.11ht40 | 5755 | 16.68 | 17.02 | 17.04 | 16.74 | 30 |
| | | 5795 | 16.74 | 17.07 | 16.86 | 16.91 | 30 |
| | 802.11 ac20 | 5745 | 18.01 | 18.24 | 18.1 | 17.63 | 30 |
| | | 5785 | 17.97 | 18.24 | 18.27 | 17.73 | 30 |
| | | 5825 | 17.99 | 18.04 | 18.05 | 17.72 | 30 |
| | 802.11 ac40 | 5755 | 16.96 | 17.05 | 16.94 | 16.79 | 30 |
| | | 5795 | 16.91 | 17.09 | 17 | 16.83 | 30 |
| | 802.11 ac80 | 5775 | 15.5 | 15.83 | 15.74 | 15.66 | 30 |

***Non-beamforming 2TX***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | Limit (dBm) |
|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Total | |
| 5150-5250 MHz | 802.11 a | 5180 | 17.76 | 17.87 | 20.83 | 30 |
| | | 5200 | 17.81 | 17.68 | 20.76 | 30 |
| | | 5240 | 17.6 | 17.5 | 20.56 | 30 |
| | 802.11ht20 | 5180 | 17.7 | 18.01 | 20.87 | 30 |
| | | 5200 | 17.98 | 17.96 | 20.98 | 30 |
| | | 5240 | 17.92 | 17.82 | 20.88 | 30 |
| | 802.11ht40 | 5190 | 16.65 | 16.43 | 19.55 | 30 |
| | | 5230 | 16.65 | 16.91 | 19.79 | 30 |
| | 802.11 ac20 | 5180 | 17.86 | 17.86 | 20.87 | 30 |
| | | 5200 | 17.56 | 17.67 | 20.63 | 30 |
| | | 5240 | 17.84 | 17.71 | 20.79 | 30 |
| | 802.11 ac40 | 5190 | 16.67 | 16.88 | 19.79 | 30 |
| | | 5230 | 16.89 | 16.56 | 19.74 | 30 |
| | 802.11 ac80 | 5210 | 14.73 | 15.23 | 18 | 30 |
| 5725-5850 MHz | 802.11 a | 5745 | 17.66 | 17.96 | 20.82 | 30 |
| | | 5785 | 18.08 | 18.23 | 21.17 | 30 |
| | | 5825 | 17.63 | 17.74 | 20.7 | 30 |
| | 802.11ht20 | 5745 | 17.96 | 18.69 | 21.35 | 30 |
| | | 5785 | 18.08 | 18.34 | 21.22 | 30 |
| | | 5825 | 18.26 | 18.33 | 21.31 | 30 |
| | 802.11ht40 | 5755 | 16.51 | 16.79 | 19.66 | 30 |
| | | 5795 | 16.89 | 17.17 | 20.04 | 30 |
| | 802.11 ac20 | 5745 | 17.75 | 18.39 | 21.09 | 30 |
| | | 5785 | 18.2 | 18.12 | 21.17 | 30 |
| | | 5825 | 17.94 | 18.03 | 21 | 30 |
| | 802.11 ac40 | 5755 | 17.05 | 17.04 | 20.06 | 30 |
| | | 5795 | 17.1 | 17 | 20.06 | 30 |
| | 802.11 ac80 | 5775 | 15.78 | 15.83 | 18.82 | 30 |

Note: the device is a master device.All the antenna maximum atenna gains are 2.8dBi in 5GHz band, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

So:

Directional gain = GANT + Array Gain = 2.8dBi < 6dBi

***Non-beamforming 3TX:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Total (dBm) | |
| 5150-5250 MHz | 802.11 a | 5180 | 17.81 | 17.67 | 17.77 | 22.52 | 30 |
| | | 5200 | 17.62 | 18.05 | 17.8 | 22.6 | 30 |
| | | 5240 | 17.99 | 17.68 | 17.76 | 22.58 | 30 |
| | 802.11ht20 | 5180 | 17.5 | 18.04 | 17.75 | 22.54 | 30 |
| | | 5200 | 17.9 | 17.51 | 17.9 | 22.55 | 30 |
| | | 5240 | 17.47 | 17.86 | 17.97 | 22.54 | 30 |
| | 802.11ht40 | 5190 | 16.87 | 16.64 | 16.73 | 21.52 | 30 |
| | | 5230 | 16.68 | 16.71 | 16.76 | 21.49 | 30 |
| | 802.11 ac20 | 5180 | 17.75 | 17.42 | 17.8 | 22.43 | 30 |
| | | 5200 | 17.69 | 17.92 | 17.88 | 22.6 | 30 |
| | | 5240 | 17.92 | 17.6 | 17.76 | 22.53 | 30 |
| | 802.11 ac40 | 5190 | 16.37 | 16.51 | 17 | 21.41 | 30 |
| | | 5230 | 17.01 | 16.99 | 16.73 | 21.68 | 30 |
| | 802.11 ac80 | 5210 | 15.26 | 15.17 | 14.95 | 19.9 | 30 |
| 5725-5850 MHz | 802.11 a | 5745 | 17.69 | 18.14 | 17.83 | 22.66 | 30 |
| | | 5785 | 17.99 | 17.87 | 18 | 22.72 | 30 |
| | | 5825 | 17.56 | 17.97 | 18.1 | 22.65 | 30 |
| | 802.11ht20 | 5745 | 17.85 | 17.65 | 17.74 | 22.52 | 30 |
| | | 5785 | 18.02 | 17.95 | 18.03 | 22.77 | 30 |
| | | 5825 | 17.84 | 17.86 | 18.01 | 22.68 | 30 |
| | 802.11ht40 | 5755 | 16.64 | 17.15 | 16.77 | 21.63 | 30 |
| | | 5795 | 16.51 | 16.96 | 17.02 | 21.61 | 30 |
| | 802.11 ac20 | 5745 | 17.95 | 18.06 | 17.88 | 22.74 | 30 |
| | | 5785 | 17.69 | 18.14 | 17.87 | 22.68 | 30 |
| | | 5825 | 17.91 | 18.09 | 17.95 | 22.76 | 30 |
| | 802.11 ac40 | 5755 | 16.88 | 17.16 | 16.76 | 21.71 | 30 |
| | | 5795 | 16.91 | 16.89 | 17.27 | 21.8 | 30 |
| | 802.11 ac80 | 5775 | 15.58 | 15.98 | 15.62 | 20.5 | 30 |

Note: the device is a master device.All the antenna maximum atenna gains are 2.8dBi in 5GHz band, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

So:

Directional gain = GANT + Array Gain = 2.8dBi < 6dBi

***Non-beamforming 4TX:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | Total (dBm) | |
| 5150-5250 MHz | 802.11 a | 5180 | 18.11 | 17.44 | 17.64 | 17.4 | 23.68 | 30 |
| | | 5200 | 17.42 | 18.15 | 17.63 | 17.57 | 23.72 | 30 |
| | | 5240 | 17.8 | 17.88 | 17.95 | 17.28 | 23.76 | 30 |
| | 802.11ht20 | 5180 | 17.47 | 17.78 | 17.74 | 17.69 | 23.69 | 30 |
| | | 5200 | 17.73 | 17.35 | 17.78 | 17.47 | 23.61 | 30 |
| | | 5240 | 17.73 | 17.66 | 18.17 | 17.83 | 23.87 | 30 |
| | 802.11ht40 | 5190 | 17.17 | 16.8 | 16.95 | 16.69 | 22.93 | 30 |
| | | 5230 | 16.72 | 16.69 | 16.81 | 16.66 | 22.74 | 30 |
| | 802.11 ac20 | 5180 | 17.67 | 17.47 | 17.62 | 17.89 | 23.69 | 30 |
| | | 5200 | 17.97 | 17.96 | 17.64 | 18.04 | 23.93 | 30 |
| | | 5240 | 18.21 | 17.88 | 17.54 | 17.92 | 23.91 | 30 |
| | 802.11 ac40 | 5190 | 16.19 | 16.73 | 17.11 | 16.38 | 22.64 | 30 |
| | | 5230 | 16.99 | 17.18 | 16.5 | 16.68 | 22.87 | 30 |
| | 802.11 ac80 | 5210 | 15.5 | 15.28 | 14.88 | 15.27 | 21.26 | 30 |
| 5725-5850 MHz | 802.11 a | 5745 | 17.5 | 17.91 | 17.57 | 17.95 | 23.76 | 30 |
| | | 5785 | 17.85 | 17.59 | 17.78 | 17.9 | 23.8 | 30 |
| | | 5825 | 17.47 | 17.99 | 18.31 | 17.51 | 23.85 | 30 |
| | 802.11ht20 | 5745 | 17.68 | 17.61 | 17.98 | 18.01 | 23.84 | 30 |
| | | 5785 | 17.77 | 17.91 | 18.27 | 17.95 | 24 | 30 |
| | | 5825 | 18.1 | 17.99 | 18.18 | 17.8 | 24.04 | 30 |
| | 802.11ht40 | 5755 | 16.86 | 17.37 | 16.82 | 16.93 | 23.02 | 30 |
| | | 5795 | 16.71 | 16.76 | 17 | 16.82 | 22.84 | 30 |
| | 802.11 ac20 | 5745 | 17.69 | 17.82 | 17.63 | 17.77 | 23.75 | 30 |
| | | 5785 | 17.94 | 18.39 | 17.74 | 17.98 | 24.04 | 30 |
| | | 5825 | 18.2 | 18.07 | 17.91 | 18.01 | 24.07 | 30 |
| | 802.11 ac40 | 5755 | 17.03 | 17.29 | 16.69 | 16.77 | 22.97 | 30 |
| | | 5795 | 16.8 | 16.8 | 17.05 | 16.93 | 22.92 | 30 |
| | 802.11 ac80 | 5775 | 15.69 | 16.08 | 15.9 | 15.47 | 21.81 | 30 |

Note: the device is a master device.All the antenna maximum atenna gains are 2.8dBi in 5GHz band, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

So:

Directional gain = GANT + Array Gain = 2.8dBi < 6dBi

***Beamforming 2TX***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | Limit (dBm) |
|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Total (dBm) | |
| 5150-5250 MHz | 802.11 a | 5180 | 17.32 | 17.28 | 20.31 | 30 |
| | | 5200 | 17.21 | 17.14 | 20.19 | 30 |
| | | 5240 | 17.10 | 17.15 | 20.14 | 30 |
| | 802.11ht20 | 5180 | 17.12 | 17.35 | 20.25 | 30 |
| | | 5200 | 17.12 | 17.22 | 20.18 | 30 |
| | | 5240 | 17.15 | 17.29 | 20.23 | 30 |
| | 802.11ht40 | 5190 | 16.02 | 15.89 | 18.97 | 30 |
| | | 5230 | 15.56 | 15.87 | 18.73 | 30 |
| | 802.11 ac20 | 5180 | 17.04 | 17.22 | 20.14 | 30 |
| | | 5200 | 17.11 | 17.07 | 20.1 | 30 |
| | | 5240 | 17.12 | 17.12 | 20.13 | 30 |
| | 802.11 ac40 | 5190 | 15.87 | 15.79 | 18.84 | 30 |
| | | 5230 | 15.68 | 15.88 | 18.79 | 30 |
| | 802.11 ac80 | 5210 | 15.74 | 15.39 | 18.58 | 30 |
| 5725-5850 MHz | 802.11 a | 5745 | 17.29 | 17.58 | 20.45 | 30 |
| | | 5785 | 17.24 | 17.55 | 20.41 | 30 |
| | | 5825 | 17.2 | 17.37 | 20.3 | 30 |
| | 802.11ht20 | 5745 | 17.69 | 17.95 | 20.83 | 30 |
| | | 5785 | 17.57 | 17.67 | 20.63 | 30 |
| | | 5825 | 17.53 | 17.86 | 20.71 | 30 |
| | 802.11ht40 | 5755 | 16.2 | 16.53 | 19.38 | 30 |
| | | 5795 | 16.19 | 16.5 | 19.36 | 30 |
| | 802.11 ac20 | 5745 | 17.45 | 17.87 | 20.68 | 30 |
| | | 5785 | 17.44 | 17.84 | 20.65 | 30 |
| | | 5825 | 17.36 | 17.65 | 20.52 | 30 |
| | 802.11 ac40 | 5755 | 16.2 | 16.52 | 19.37 | 30 |
| | | 5795 | 16.28 | 16.53 | 19.42 | 30 |
| | 802.11 ac80 | 5775 | 14.81 | 15.04 | 17.94 | 30 |

Note: the device is a master device.all the antenna maximum atenna gains are 2.8 dBi, and employed beamforming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 10 log(NANT/NSS) dB;

So:

Directional gain = GANT + Array Gain = 2.8dBi + 10 log(1) = 2.8dBi

***5G1, Beamforming 3TX:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Total | |
| 5150-5250 MHz | 802.11 a | 5180 | 17.62 | 17.2 | 17.73 | 22.29 | 30 |
| | | 5200 | 17.4 | 17.23 | 17.2 | 22.05 | 30 |
| | | 5240 | 17.18 | 16.97 | 17.16 | 21.88 | 30 |
| | 802.11ht20 | 5180 | 17.42 | 17.23 | 17.36 | 22.11 | 30 |
| | | 5200 | 17.21 | 17.06 | 17.23 | 21.94 | 30 |
| | | 5240 | 16.9 | 17.12 | 17.29 | 21.88 | 30 |
| | 802.11ht40 | 5190 | 16.26 | 16.11 | 16.14 | 20.94 | 30 |
| | | 5230 | 15.79 | 15.84 | 16.11 | 20.69 | 30 |
| | 802.11 ac20 | 5180 | 17.1 | 17.45 | 17.14 | 22 | 30 |
| | | 5200 | 16.91 | 17.26 | 17.29 | 21.93 | 30 |
| | | 5240 | 17.37 | 17.41 | 17.18 | 22.09 | 30 |
| | 802.11 ac40 | 5190 | 16.12 | 15.66 | 15.8 | 20.64 | 30 |
| | | 5230 | 15.64 | 16.04 | 15.76 | 20.59 | 30 |
| | 802.11 ac80 | 5210 | 15.73 | 15.61 | 14.91 | 20.2 | 30 |
| 5725-5850 MHz | 802.11 a | 5745 | 17.09 | 17.4 | 17.6 | 22.14 | 30 |
| | | 5785 | 17.42 | 17.26 | 17.55 | 22.18 | 30 |
| | | 5825 | 17.28 | 17.21 | 17.27 | 22.02 | 30 |
| | 802.11ht20 | 5745 | 17.73 | 17.98 | 18.18 | 22.74 | 30 |
| | | 5785 | 17.39 | 17.58 | 17.97 | 22.42 | 30 |
| | | 5825 | 17.56 | 17.81 | 18.19 | 22.63 | 30 |
| | 802.11ht40 | 5755 | 16.39 | 16.74 | 16.44 | 21.3 | 30 |
| | | 5795 | 16.12 | 16.6 | 16.43 | 21.16 | 30 |
| | 802.11 ac20 | 5745 | 17.45 | 18.02 | 18.27 | 22.7 | 30 |
| | | 5785 | 17.4 | 18.09 | 17.56 | 22.46 | 30 |
| | | 5825 | 17.21 | 17.79 | 17.6 | 22.31 | 30 |
| | 802.11 ac40 | 5755 | 16.15 | 16.82 | 16.51 | 21.27 | 30 |
| | | 5795 | 16.35 | 16.56 | 16.89 | 21.38 | 30 |
| | 802.11 ac80 | 5775 | 14.51 | 14.93 | 14.92 | 19.56 | 30 |

Note: the device is a master device.all the antenna maximum atenna gains are 2.8 dBi, and employed beamforming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 10 log(NANT/NSS) dB;

So:

Directional gain = GANT + Array Gain = 2.8dBi + 10 log(1) = 2.8dBi

***5G1, Beamforming 4TX:***

| UNII Band | Mode | Frequency (MHz) | Conducted Average Output Power (dBm) | | | | | Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | Total | |
| 5150-5250 MHz | 802.11 a | 5180 | 17.41 | 17.13 | 17.34 | 17.46 | 23.36 | 30 |
| | | 5200 | 17.15 | 17.2 | 17.1 | 17.08 | 23.15 | 30 |
| | | 5240 | 17.04 | 17.24 | 17.16 | 17.39 | 23.23 | 30 |
| | 802.11ht20 | 5180 | 17.19 | 17.37 | 17.7 | 17.32 | 23.42 | 30 |
| | | 5200 | 17.19 | 17.17 | 17.02 | 17.45 | 23.23 | 30 |
| | | 5240 | 17.14 | 17.24 | 17.04 | 17.38 | 23.22 | 30 |
| | 802.11ht40 | 5190 | 16.31 | 15.87 | 16.05 | 15.99 | 22.08 | 30 |
| | | 5230 | 15.55 | 16.16 | 16.16 | 15.55 | 21.89 | 30 |
| | 802.11 ac20 | 5180 | 17.07 | 17.02 | 17.29 | 16.66 | 23.04 | 30 |
| | | 5200 | 17.25 | 16.86 | 17.32 | 16.89 | 23.11 | 30 |
| | | 5240 | 17.06 | 17.06 | 17.32 | 16.69 | 23.06 | 30 |
| | 802.11 ac40 | 5190 | 16.06 | 15.54 | 16.2 | 15.59 | 21.88 | 30 |
| | | 5230 | 15.39 | 15.87 | 15.79 | 16.59 | 21.95 | 30 |
| | 802.11 ac80 | 5210 | 15.56 | 15.63 | 15.41 | 14.99 | 21.43 | 30 |
| 5725-5850 MHz | 802.11 a | 5745 | 17.59 | 17.45 | 17.72 | 17.37 | 23.56 | 30 |
| | | 5785 | 17.36 | 17.64 | 17.23 | 16.89 | 23.31 | 30 |
| | | 5825 | 17.04 | 17.13 | 17.36 | 17.1 | 23.18 | 30 |
| | 802.11ht20 | 5745 | 17.39 | 18.15 | 18.24 | 18.06 | 23.99 | 30 |
| | | 5785 | 17.54 | 17.72 | 18.11 | 17.66 | 23.78 | 30 |
| | | 5825 | 17.58 | 18.14 | 17.76 | 18.26 | 23.96 | 30 |
| | 802.11ht40 | 5755 | 16.1 | 16.47 | 16.38 | 16.61 | 22.41 | 30 |
| | | 5795 | 16.37 | 16.71 | 16.41 | 16.3 | 22.47 | 30 |
| | 802.11 ac20 | 5745 | 17.47 | 17.65 | 17.9 | 18.07 | 23.8 | 30 |
| | | 5785 | 17.47 | 17.85 | 17.5 | 17.97 | 23.72 | 30 |
| | | 5825 | 17.34 | 17.48 | 17.66 | 17.65 | 23.56 | 30 |
| | 802.11 ac40 | 5755 | 16.34 | 16.68 | 16.94 | 16.81 | 22.72 | 30 |
| | | 5795 | 16.51 | 16.37 | 16.89 | 17.02 | 22.73 | 30 |
| | 802.11 ac80 | 5775 | 14.96 | 14.82 | 14.8 | 14.98 | 20.91 | 30 |

Note: the device is a master device.all the antenna maximum atenna gains are 2.8 dBi, and employed beamforming for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 10 log(NANT/NSS) dB;

So:

Directional gain = GANT + Array Gain = 2.8dBi + 10 log(1) = 2.8dBi

***Non-beamforming AC80+80 Mode:***

| Mode | Frequency (MHz) | Antenna Chain | Conducted Average Output Power (dBm) | Limit (dBm) |
|---|---|---|---|---|
| AC80+80 | 5210+5775 | Chain 0+2 | 12.65 | 30 |
| | | | 12.39 | 30 |
| | | Chain 1+3 | 12.45 | 30 |
| | | | 12.33 | 30 |

***Beamforming AC80+80 Mode:***

| Mode | Frequency (MHz) | Antenna Chain | Conducted Average Output Power (dBm) | Limit (dBm) |
|---|---|---|---|---|
| AC80+80 | 5210+5775 | Chain 0+2 | 12.63 | 30 |
| | | | 12.34 | 30 |
| | | Chain 1+3 | 12.44 | 30 |
| | | | 12.21 | 30 |

# FCC §15.407(a) - POWER SPECTRAL DENSITY

## Applicable Standard

(a) Power limits:

(1) For the band 5.15-5.25 GHz.

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output

power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

## Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v01r04

## Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| R&S | Spectrum Analyzer | FSU 26 | 200256 | 2016-12-08 | 2017-12-08 |
| Unknown | RF Cable | Unknown | C-4 | Each Time | / |

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

## Test Data

### Environmental Conditions

| | |
|---|---|
| **Temperature:** | 27~27.8°C |
| **Relative Humidity:** | 44~51 % |
| **ATM Pressure:** | 101~101.6 kPa |

*The testing was performed by Kami Zhou from 2017-10-28 to 2017-11-06.*

*Test Mode: Transmitting(Beamforming mode was reduced since the output power less than Non-Beamforming mode)*

*Test Result:Compliance.Please refer to the following table and plot.*

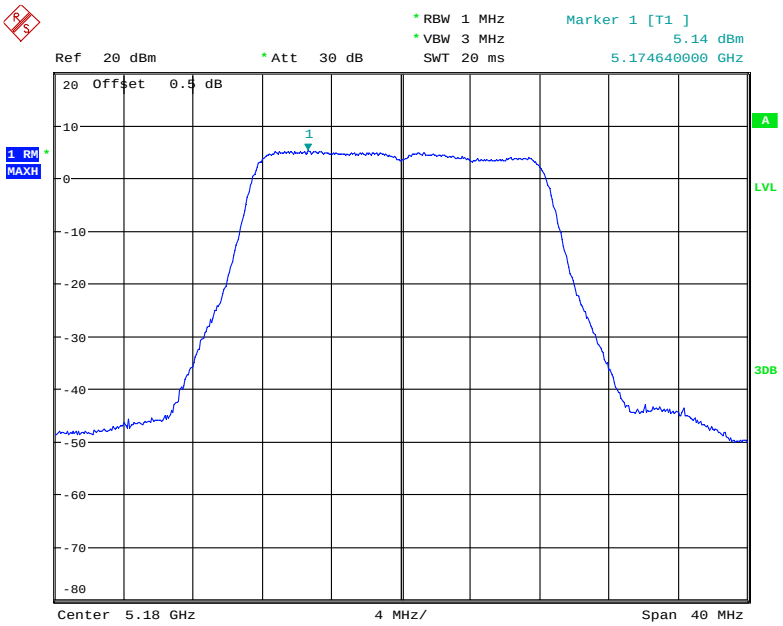
**Radio 0: (4TX mode was tested since 4TX mode has the same power as other modes per chain, so 1TX mode was the worst case)**

**Non-beamforming 4TX:**

| UNII Band | Mode | Frequency (MHz) | Power Spectral Density (dBm/MHz) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | Total | Limits |
| 5150-5250 MHz | 802.11 a | 5180 | 4.77 | 4.81 | 4.96 | 4.43 | 10.77 | 17 |
| | | 5200 | 4.33 | 4.81 | 5.03 | 4.77 | 10.76 | |
| | | 5240 | 4.24 | 4.71 | 4.63 | 4.71 | 10.60 | |
| | 802.11 ht20 | 5180 | 4.37 | 4.83 | 5.12 | 4.48 | 10.73 | |
| | | 5200 | 4.69 | 4.89 | 4.87 | 4.66 | 10.80 | |
| | | 5240 | 4.64 | 4.72 | 4.49 | 4.81 | 10.69 | |
| | 802.11 ht40 | 5190 | 0.09 | 0.43 | 0.49 | 0.07 | 6.29 | |
| | | 5230 | -0.48 | 0.53 | 0.22 | 0.48 | 6.23 | |
| | 802.11 ac20 | 5180 | 4.9 | 4.67 | 5.09 | 4.26 | 10.76 | |
| | | 5200 | 4.55 | 4.77 | 4.58 | 4.42 | 10.60 | |
| | | 5240 | 4.36 | 4.4 | 4.29 | 4.64 | 10.45 | |
| | 802.11 ac40 | 5190 | 0.05 | 0.36 | 0.55 | 0.08 | 6.29 | |
| | | 5230 | -0.26 | 0.27 | 0.13 | 0.52 | 6.19 | |
| | 802.11 ac80 | 5210 | -4.11 | -3.96 | -4.02 | -3.76 | 2.06 | |

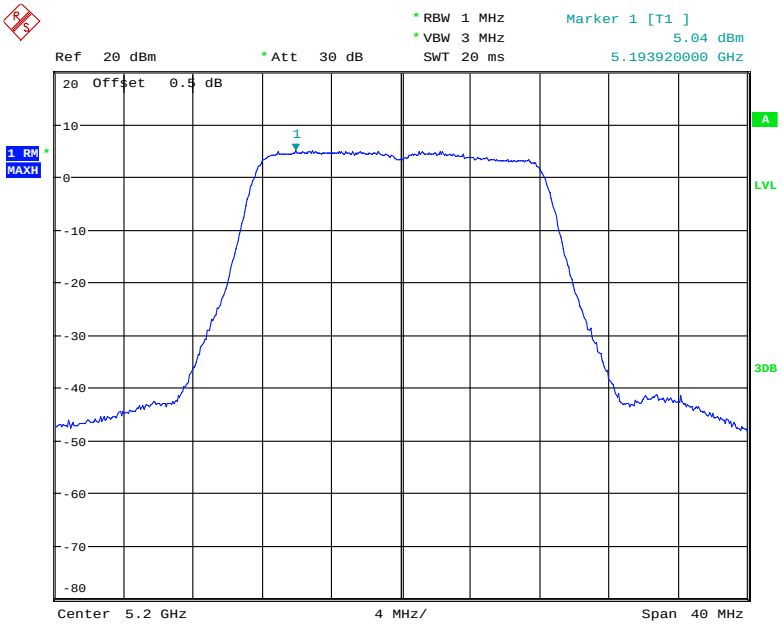
Note: the device is a master device. the antenna maximum atenna gain are 2.8dBi, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:
Array Gain = 10 log(NANT/NSS) dB.
So:
Directional gain = GANT + Array Gain = 2.8+10*log(1) =2.8 dBi

## Chain 0, 802.11a Low Channel



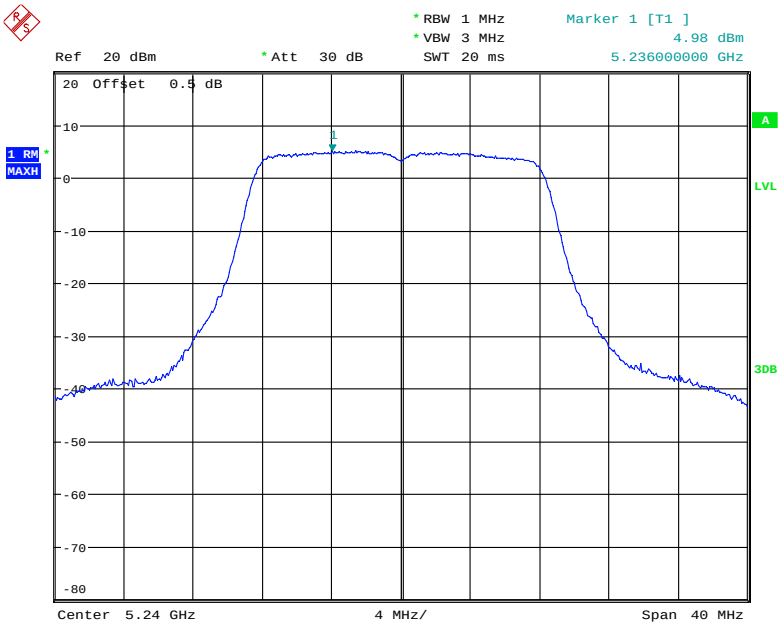

Date: 28.OCT.2017 11:43:26

## Chain 0, 802.11a Middle Channel



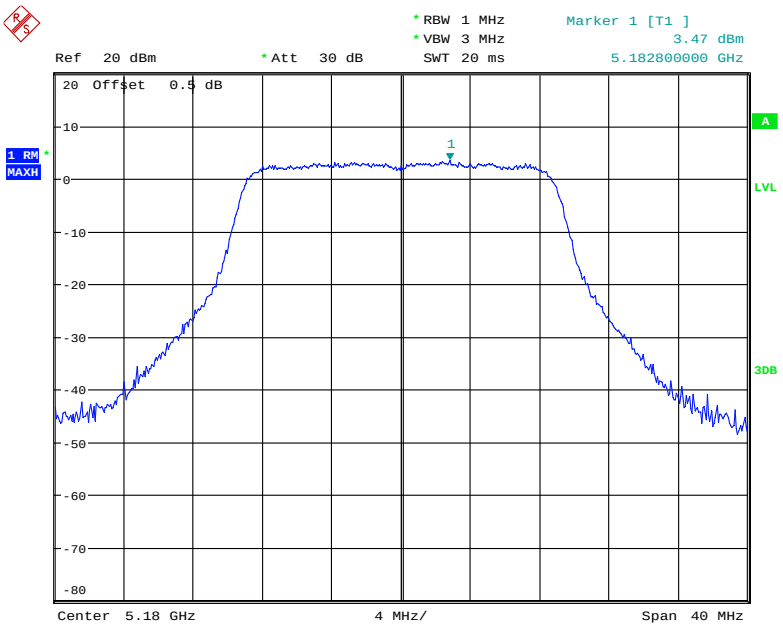

Date: 28.OCT.2017 11:44:50

## Chain 0, 802.11a High Channel



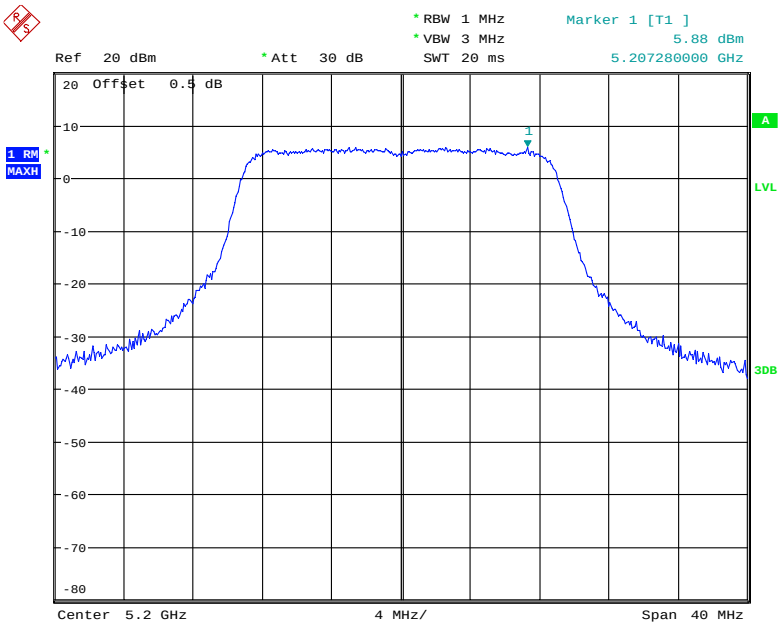

Date: 6.NOV.2017 11:21:08

## Chain 0, 802.11n ht20 Low Channel



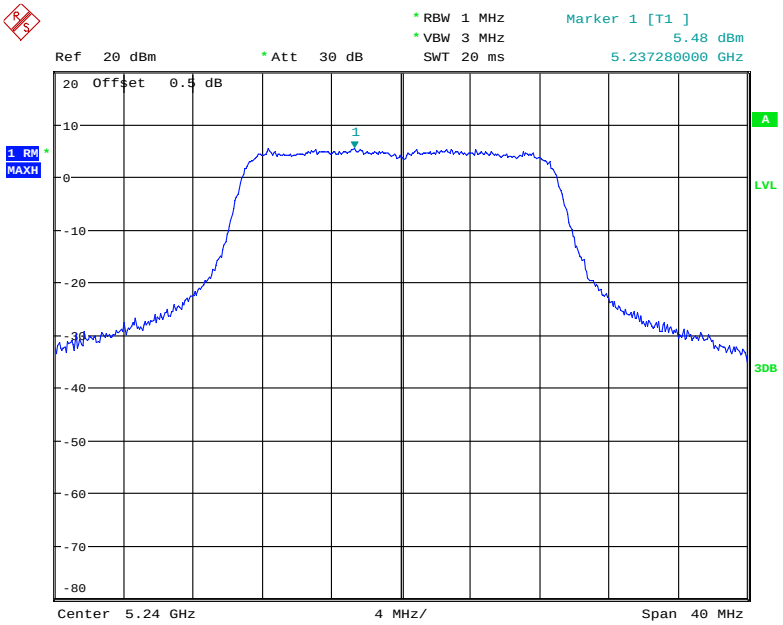

Date: 28.OCT.2017 14:20:03

## Chain 0, 802.11n ht20 Middle Channel



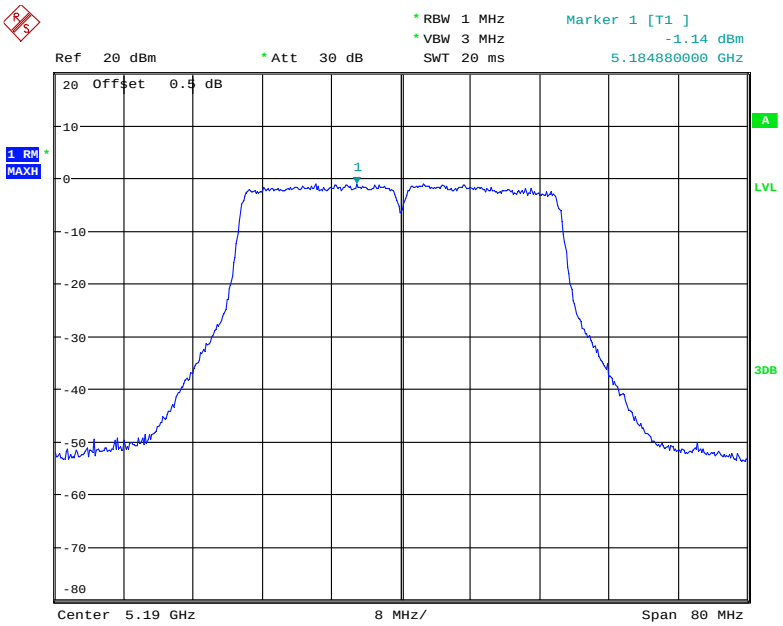

Date: 28.OCT.2017 13:43:42

## Chain 0, 802.11n ht20 High Channel



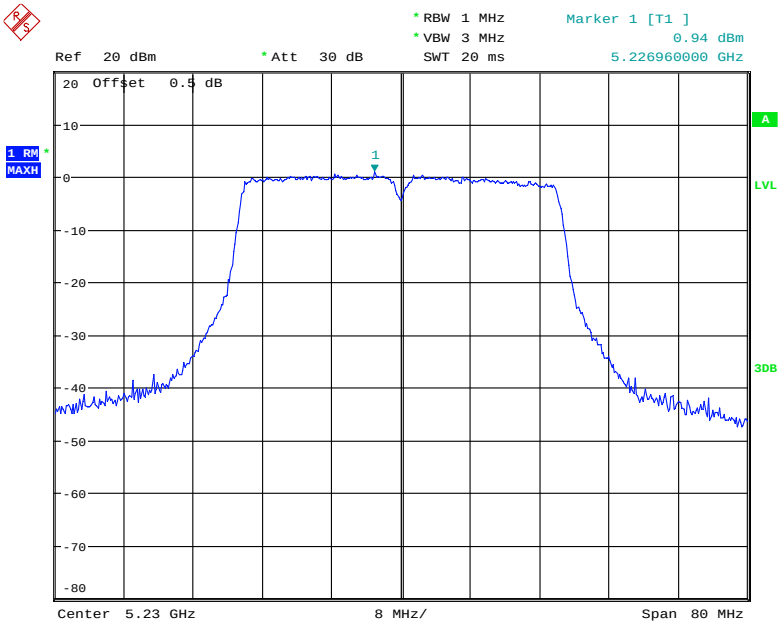

Date: 28.OCT.2017 13:44:56

## Chain 0, 802.11n ht40 Low Channel



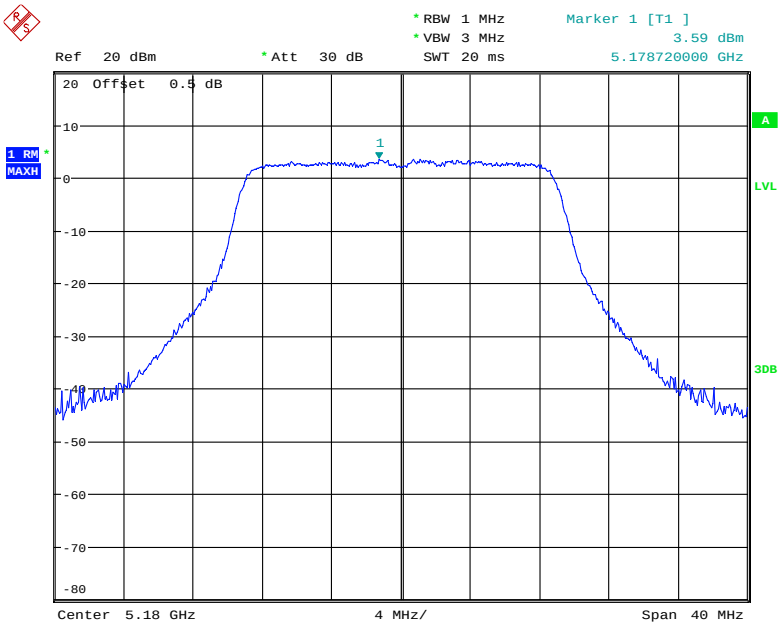

Date: 28.OCT.2017 15:13:58

## Chain 0, 802.11n ht40 High Channel



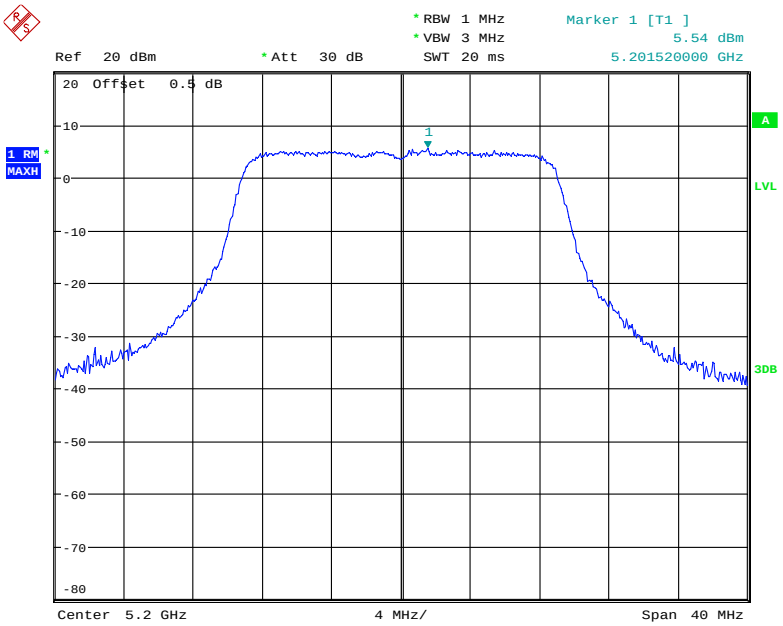

Date: 28.OCT.2017 15:46:54

## Chain 0, 802.11n ac20 Low Channel



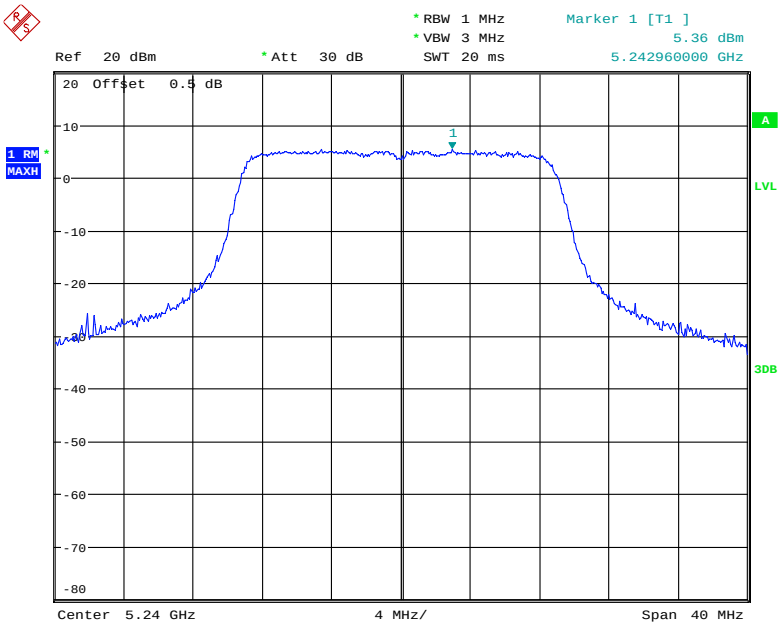

Date: 6.NOV.2017 11:43:20

## Chain 0, 802.11n ac20 Middle Channel



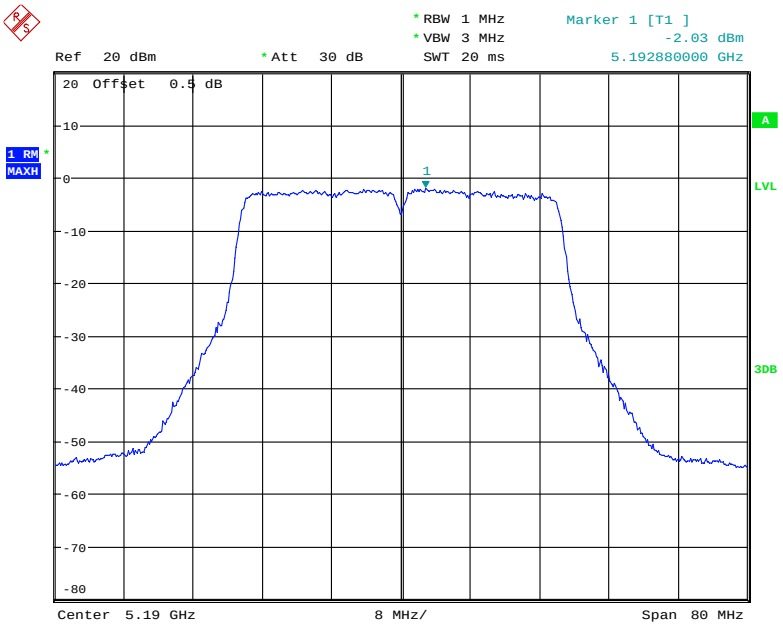

Date: 28.OCT.2017 14:55:37

## Chain 0, 802.11n ac20 High Channel



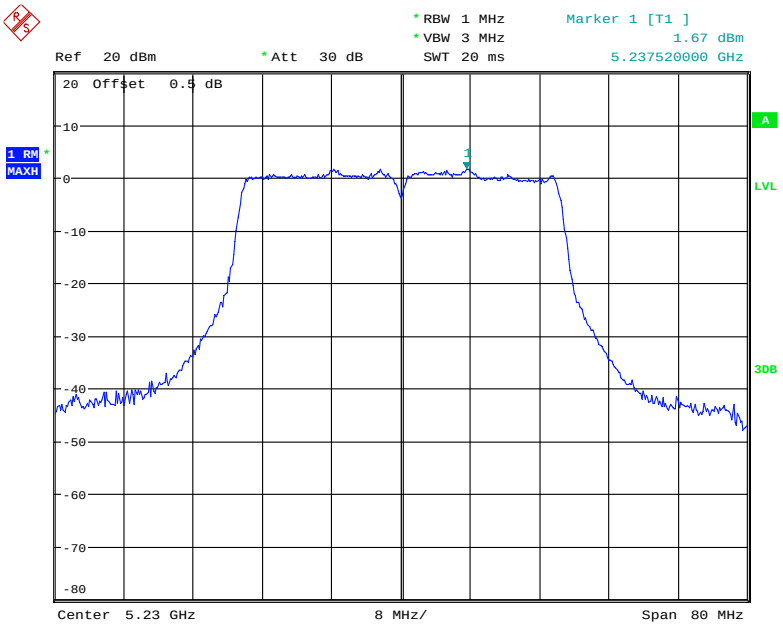

Date: 6.NOV.2017 11:45:56

## Chain 0, 802.11n ac40 Low Channel



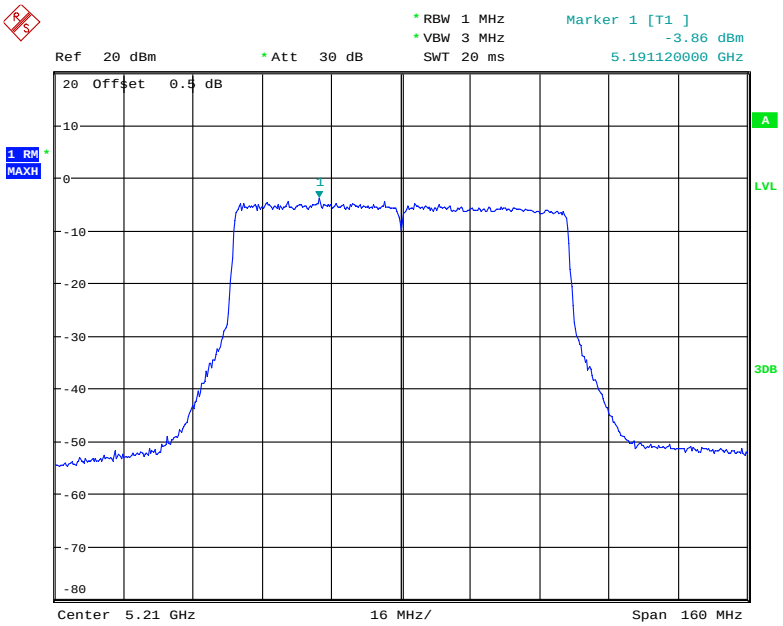

Date: 28.OCT.2017 16:01:10

## Chain 0, 802.11n ac40 High Channel



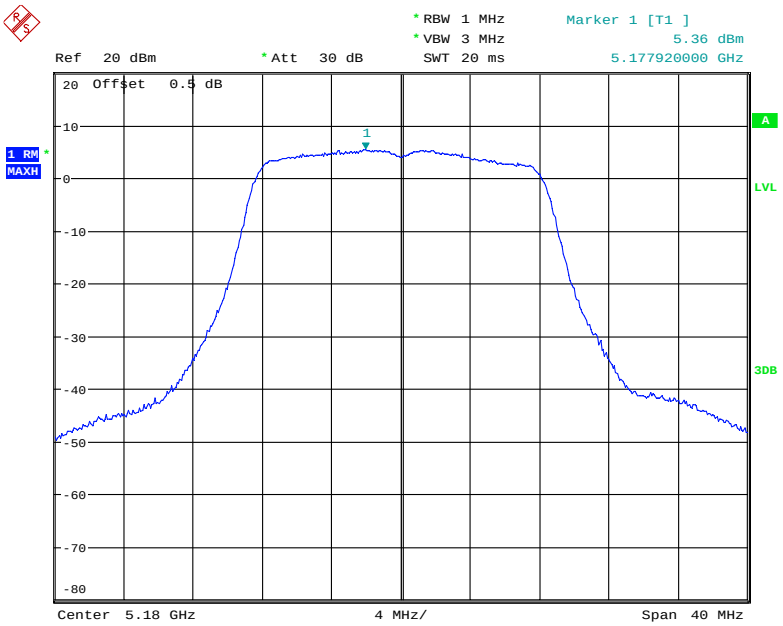

Date: 6.NOV.2017 11:47:56

## Chain 0, 802.11ac80 Middle Channel



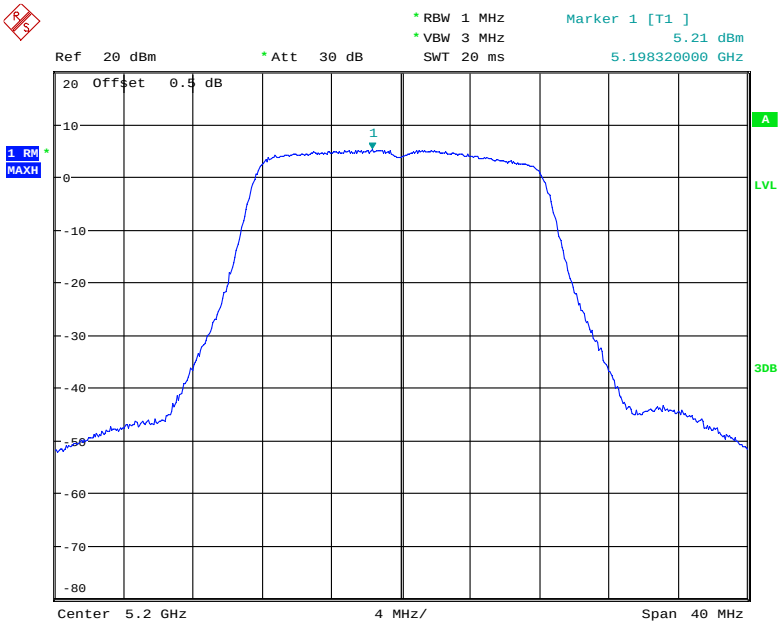

Date: 28.OCT.2017 16:34:00

## Chain 1, 802.11a Low Channel



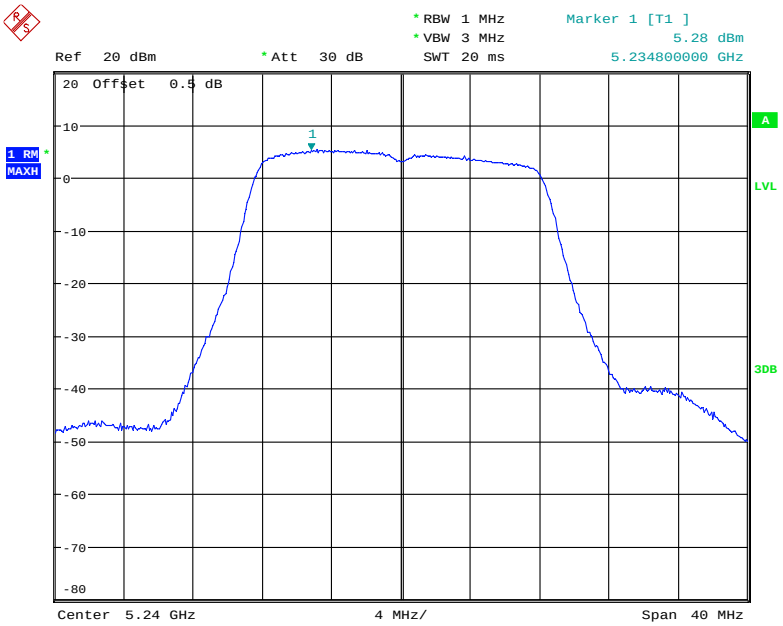

Date: 28.OCT.2017 11:54:29

## Chain 1, 802.11a Middle Channel



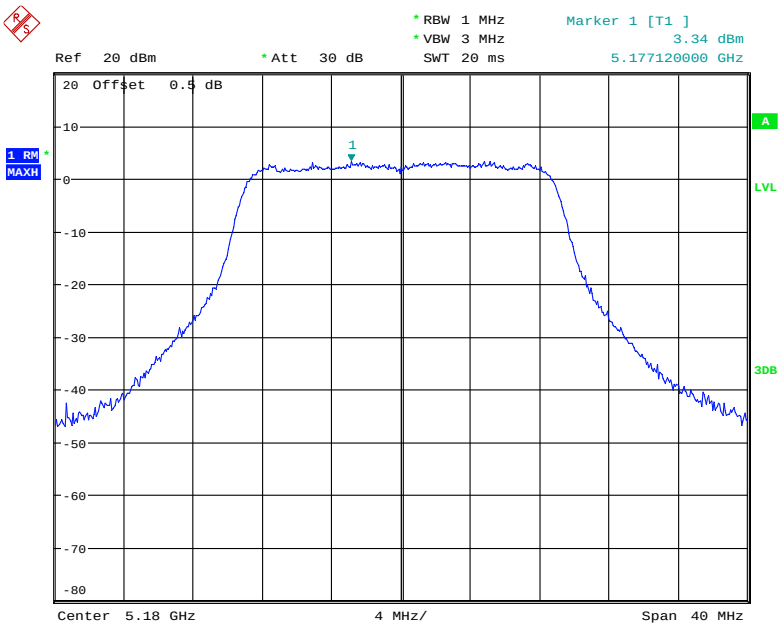

Date: 28.OCT.2017 11:53:15

## Chain 1, 802.11a High Channel



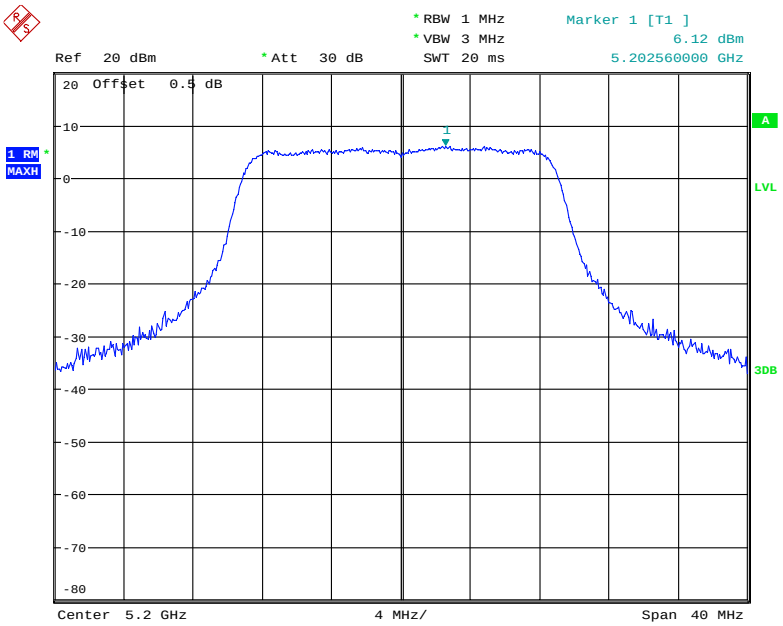

Date: 28.OCT.2017 11:51:59

## Chain 1, 802.11n ht20 Low Channel



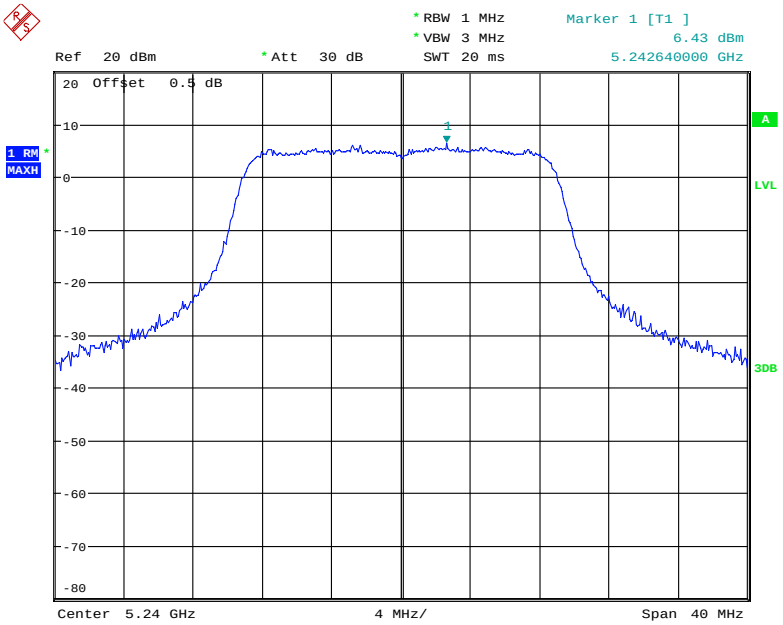

Date: 28.OCT.2017 13:40:25

## Chain 1, 802.11n ht20 Middle Channel



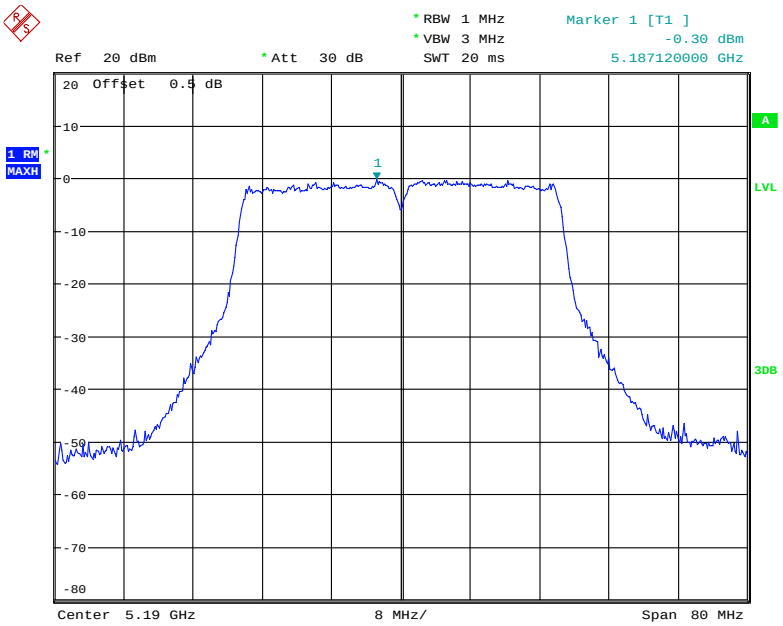

Date: 28.OCT.2017 13:48:16

## Chain 1, 802.11n ht20 High Channel



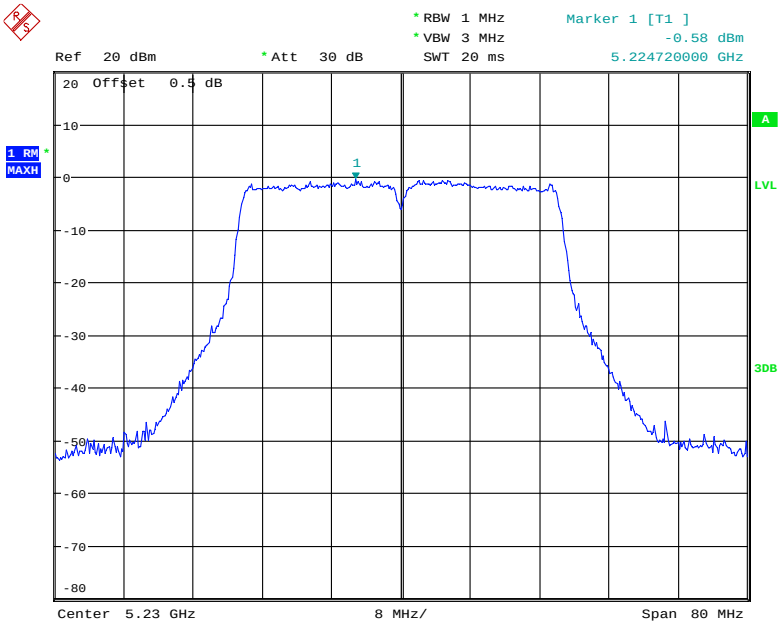

Date: 28.OCT.2017 13:46:42

## Chain 1, 802.11n ht40 Low Channel



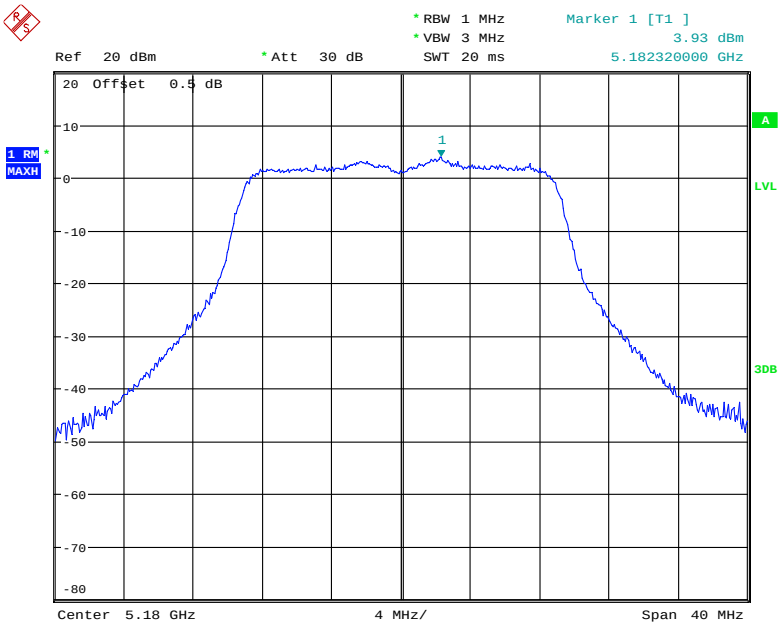

Date: 28.OCT.2017 15:15:26

## Chain 1, 802.11n ht40 High Channel



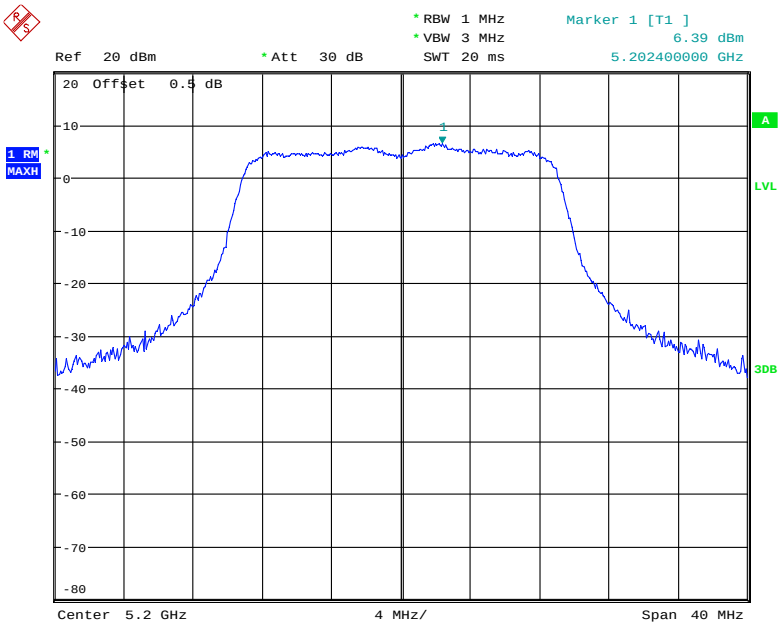

Date: 28.OCT.2017 15:34:51

## Chain 1, 802.11n ac20 Low Channel



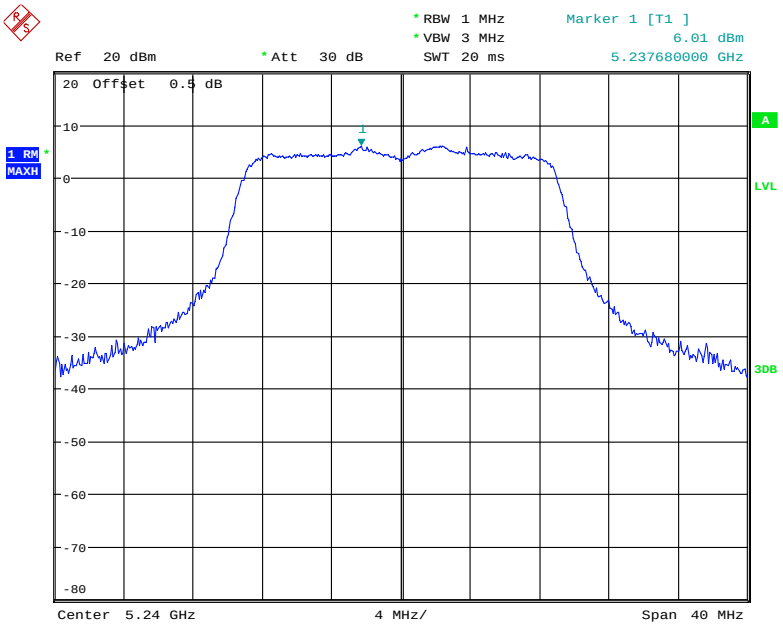

Date: 28.OCT.2017 14:27:18

## Chain 1, 802.11n ac20 Middle Channel



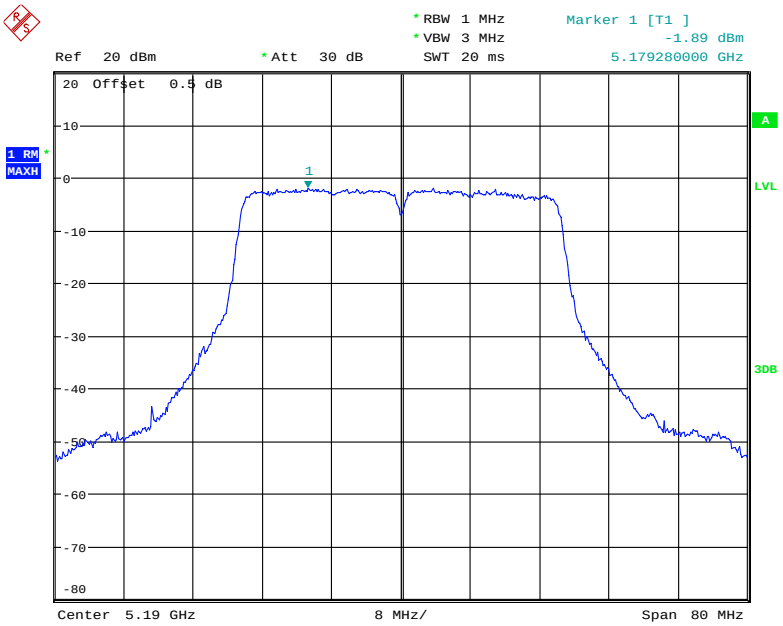

Date: 28.OCT.2017 14:54:30

## Chain 1, 802.11n ac20 High Channel



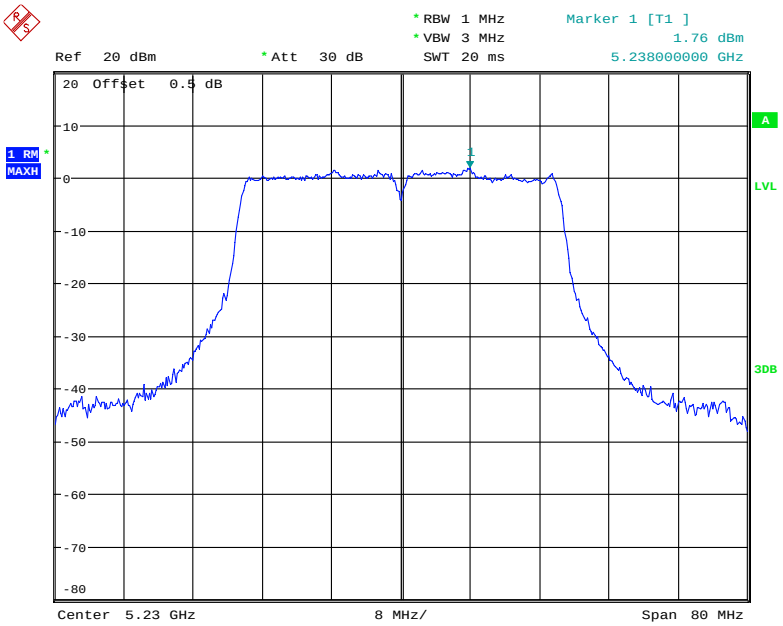

Date: 28.OCT.2017 14:48:17

## Chain 1, 802.11n ac40 Low Channel



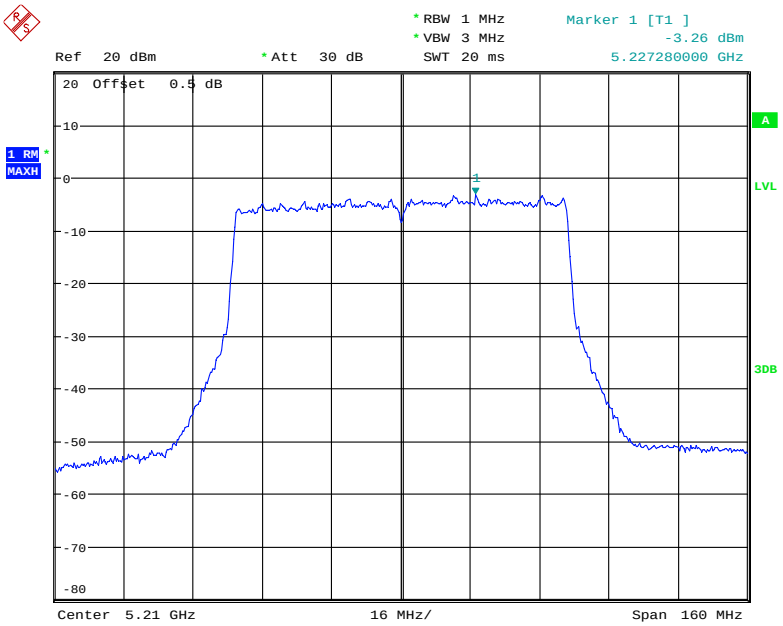

Date: 6.NOV.2017 11:59:21

## Chain 1, 802.11n ac40 High Channel



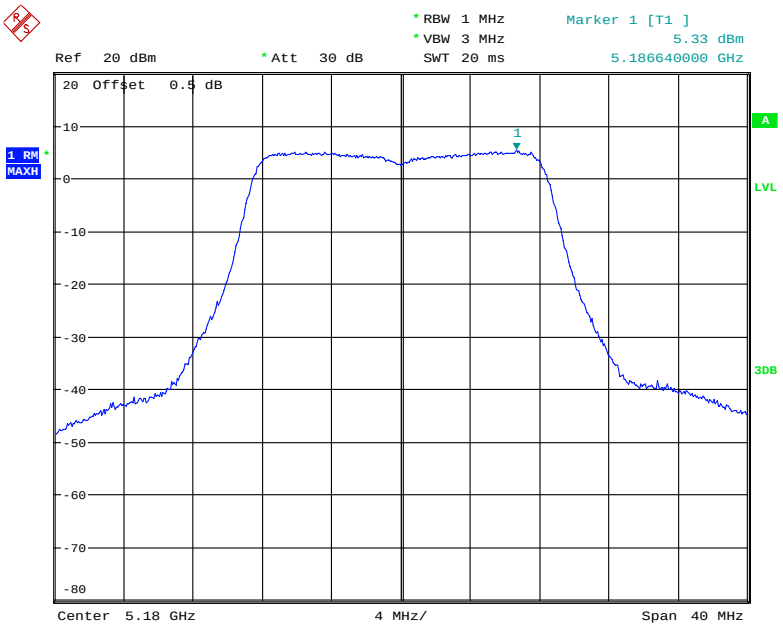

Date: 28.OCT.2017 15:51:01

## Chain 1, 802.11ac80 Middle Channel



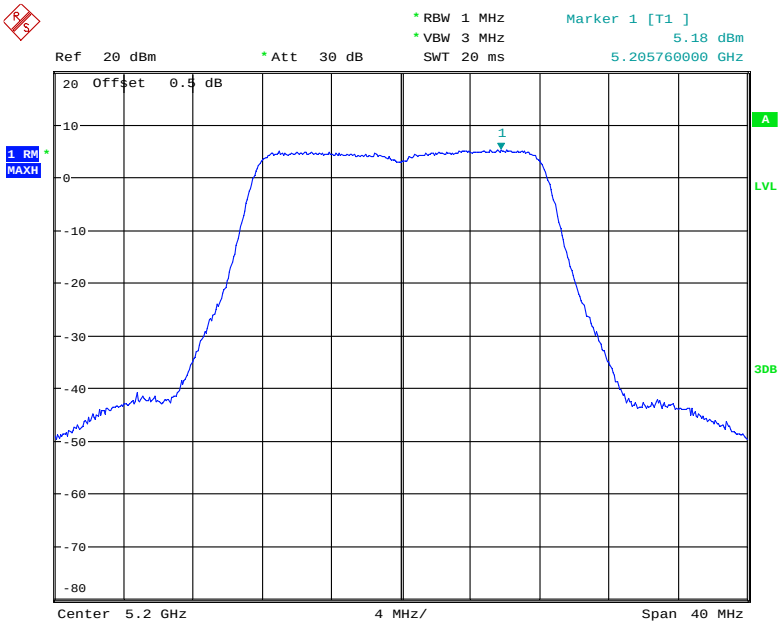

Date: 28.OCT.2017 16:32:09

## Chain 2, 802.11a Low Channel



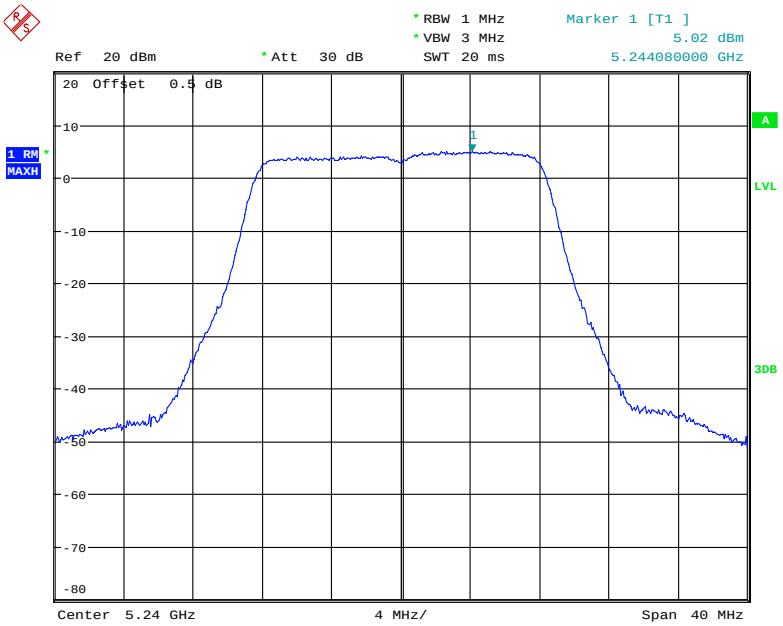

Date: 28.OCT.2017 13:16:59

## Chain 2, 802.11a Middle Channel



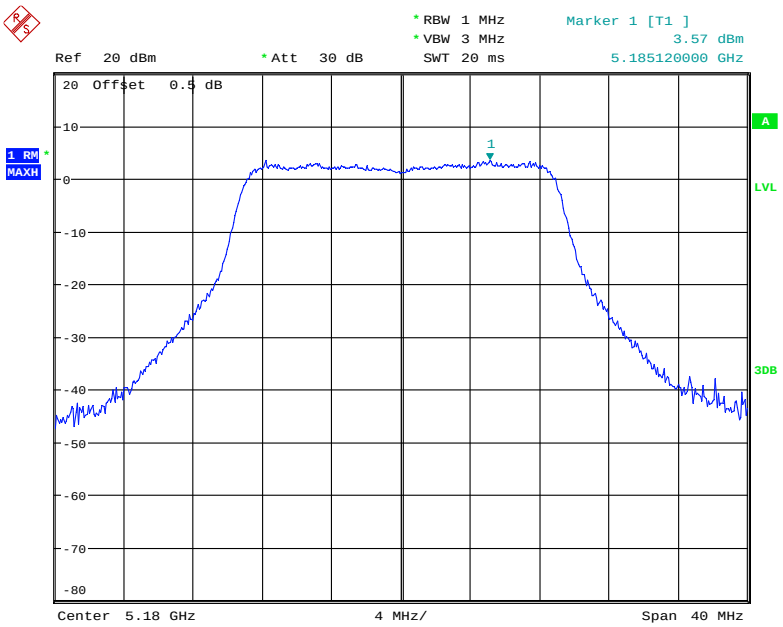

Date: 28.OCT.2017 13:18:54

## Chain 2, 802.11a High Channel



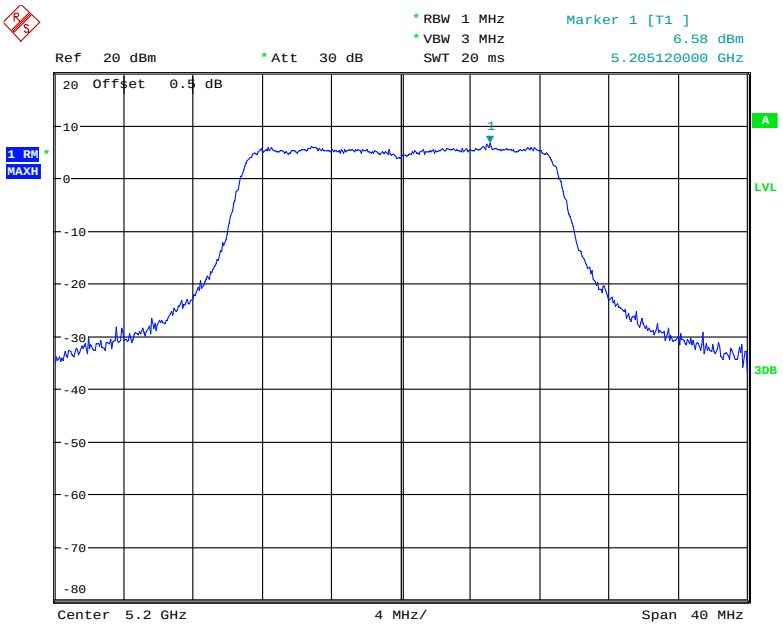

Date: 28.OCT.2017 13:25:02

## Chain 2, 802.11n ht20 Low Channel



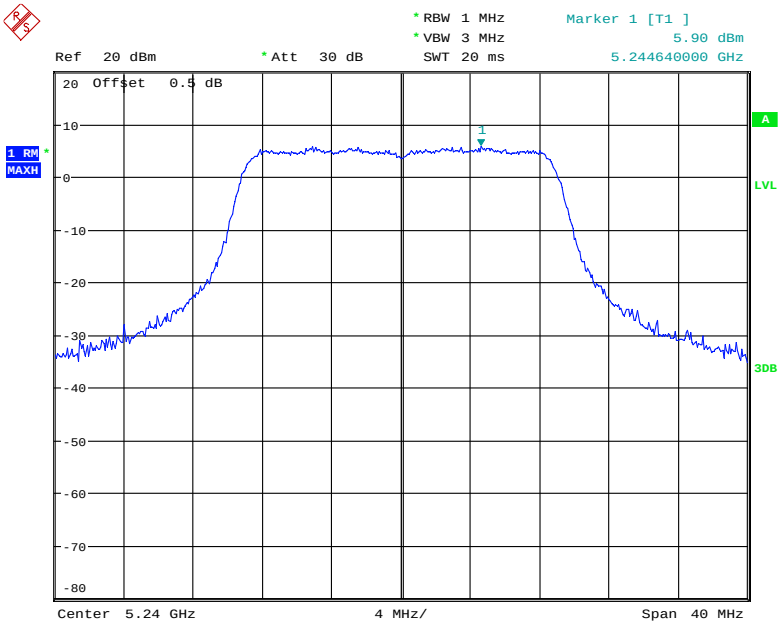

Date: 28.OCT.2017 13:39:01

## Chain 2, 802.11n ht20 Middle Channel



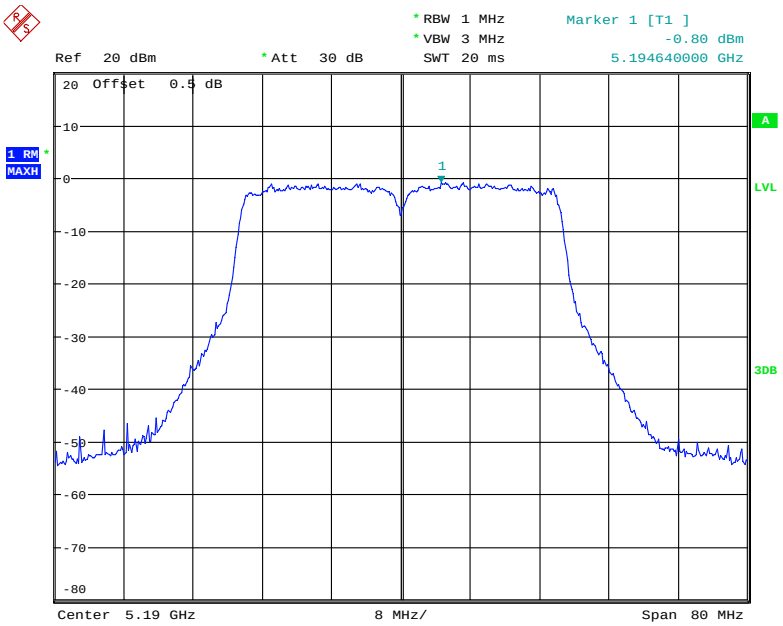

Date: 28.OCT.2017 13:49:31

## Chain 2, 802.11n ht20 High Channel



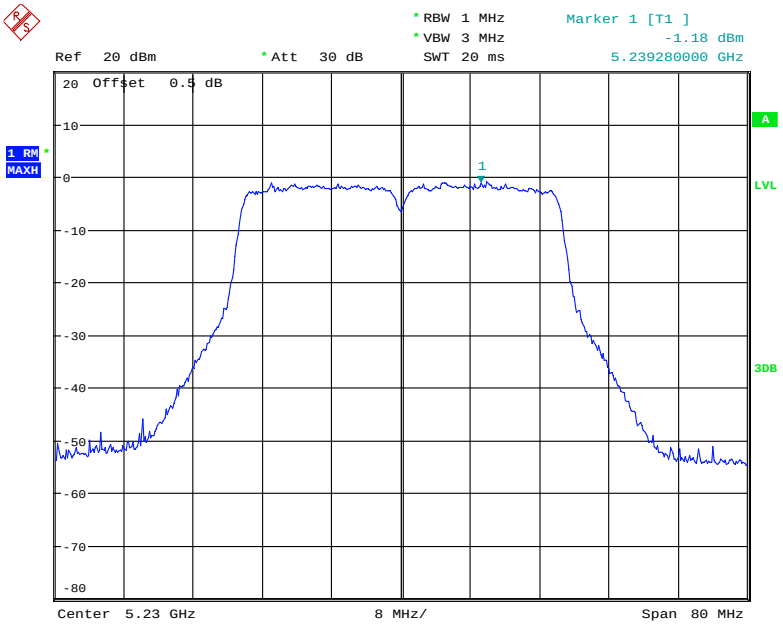

Date: 28.OCT.2017 13:50:46

## Chain 2, 802.11n ht40 Low Channel



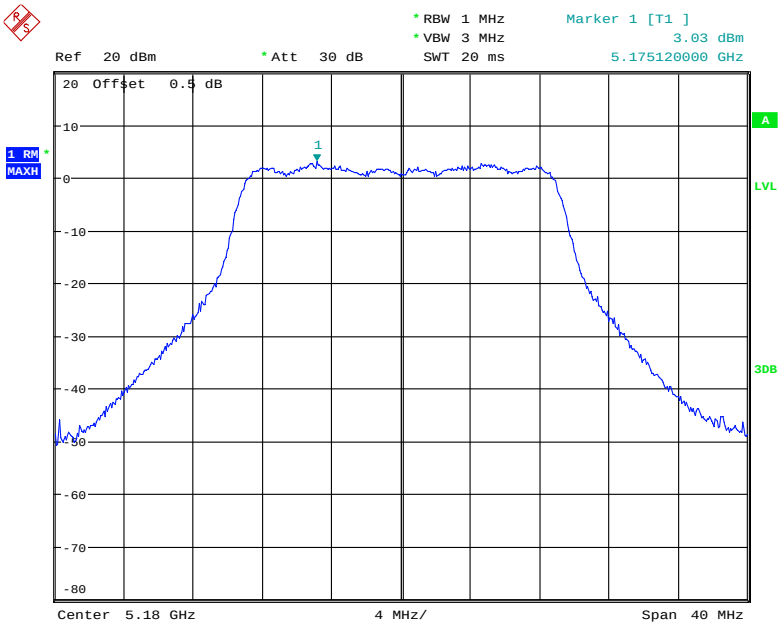

Date: 28.OCT.2017 15:16:56

## Chain 2, 802.11n ht40 High Channel



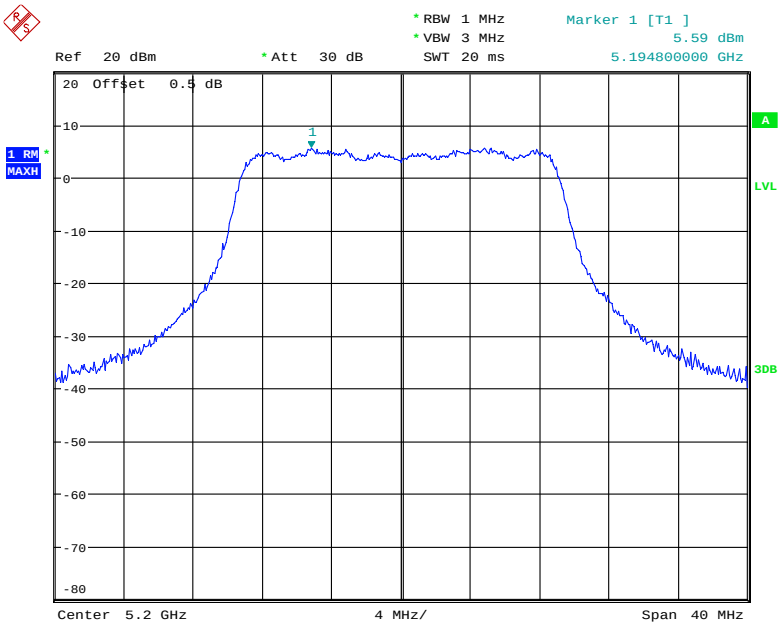

Date: 28.OCT.2017 15:32:58

## Chain 2, 802.11n ac20 Low Channel



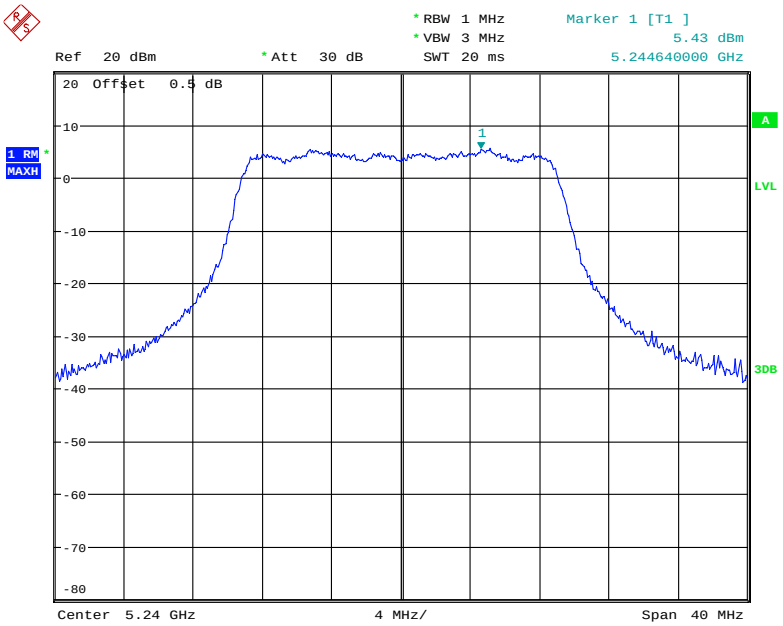

Date: 28.OCT.2017 14:28:50

## Chain 2, 802.11n ac20 Middle Channel



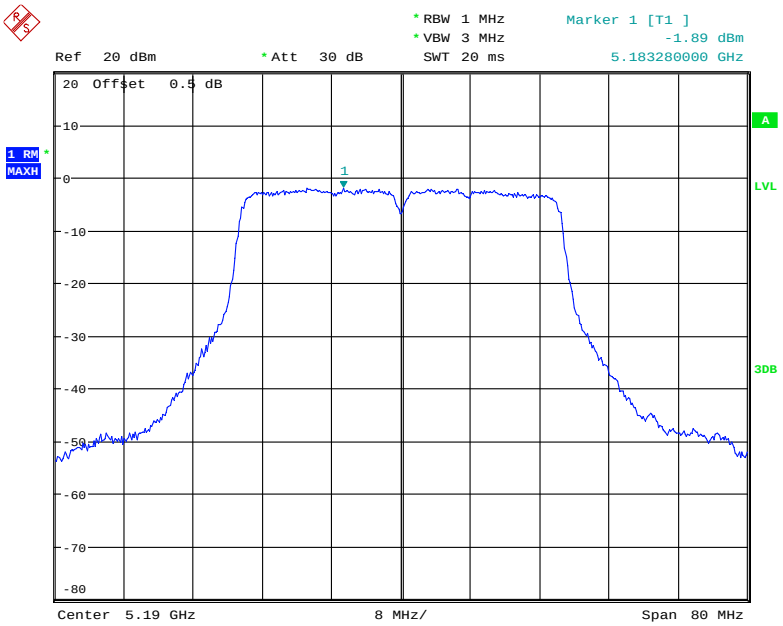

Date: 28.OCT.2017 14:57:03

## Chain 2, 802.11n ac20 High Channel



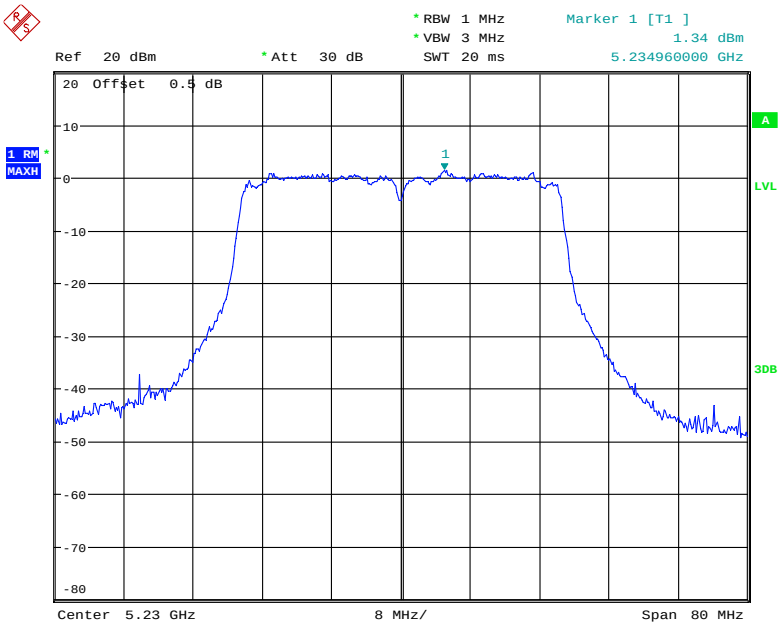

Date: 28.OCT.2017 14:46:56

## Chain 2, 802.11n ac40 Low Channel



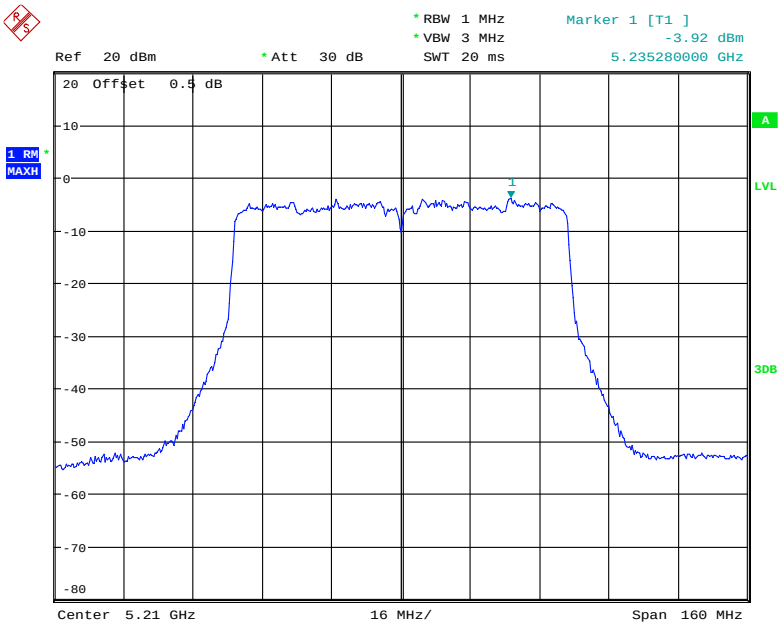

Date: 28.OCT.2017 15:56:17

## Chain 2, 802.11n ac40 High Channel



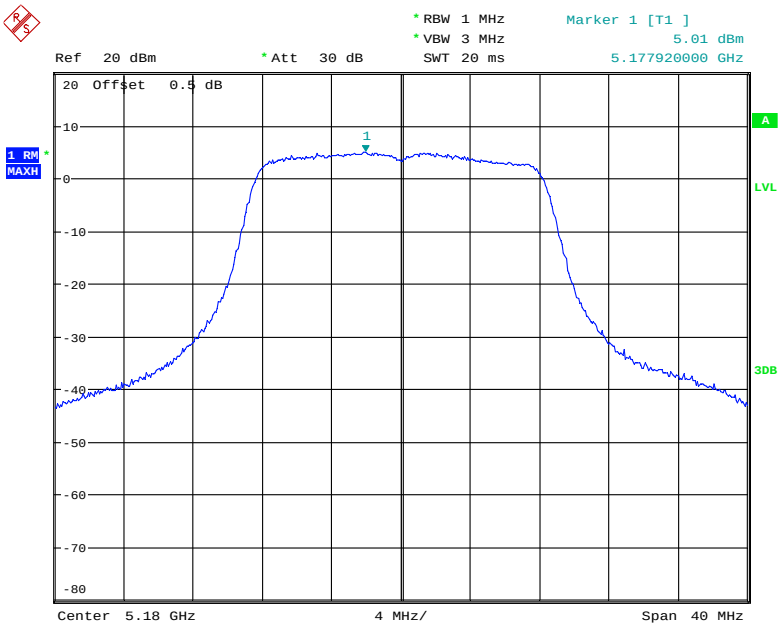

Date: 28.OCT.2017 15:52:27

## Chain 2, 802.11ac80 Middle Channel



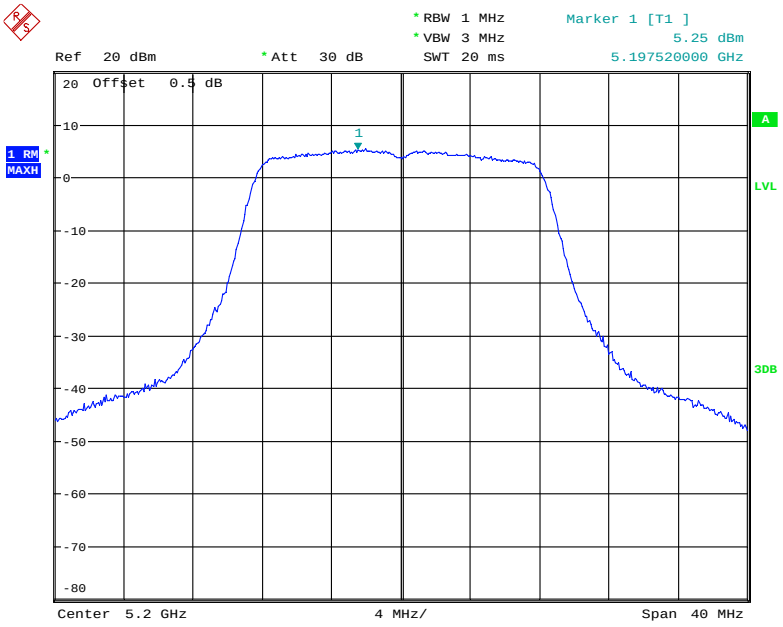

Date: 28.OCT.2017 16:30:03

## Chain 3, 802.11a Low Channel



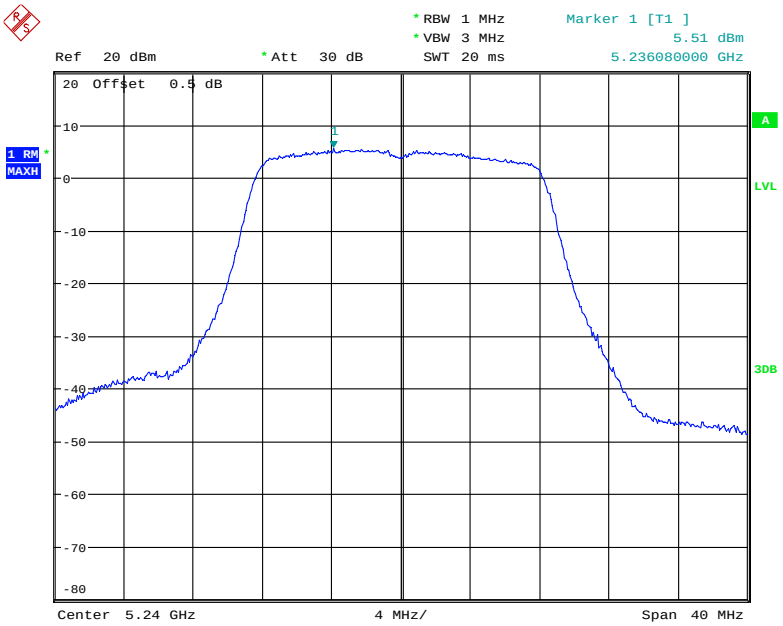

Date: 28.OCT.2017 13:15:34

## Chain 3, 802.11a Middle Channel



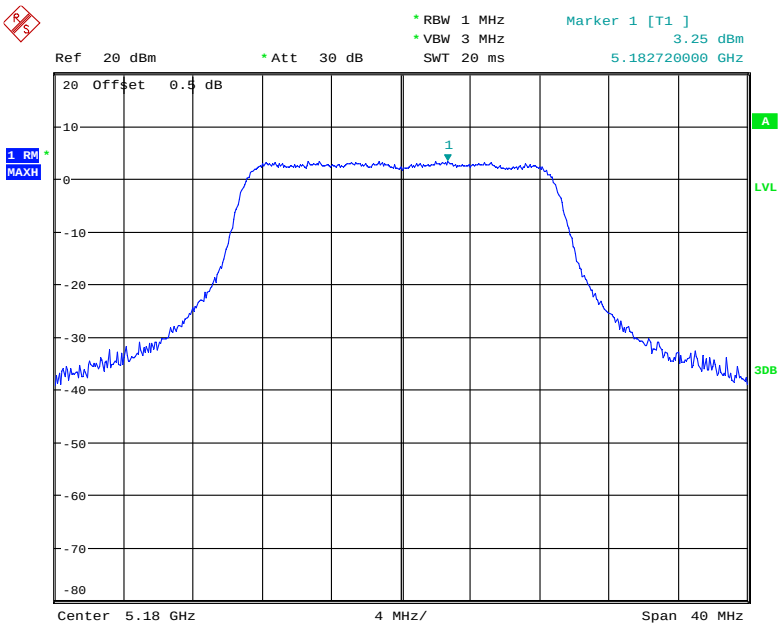

Date: 28.OCT.2017 13:19:57

## Chain 3, 802.11a High Channel



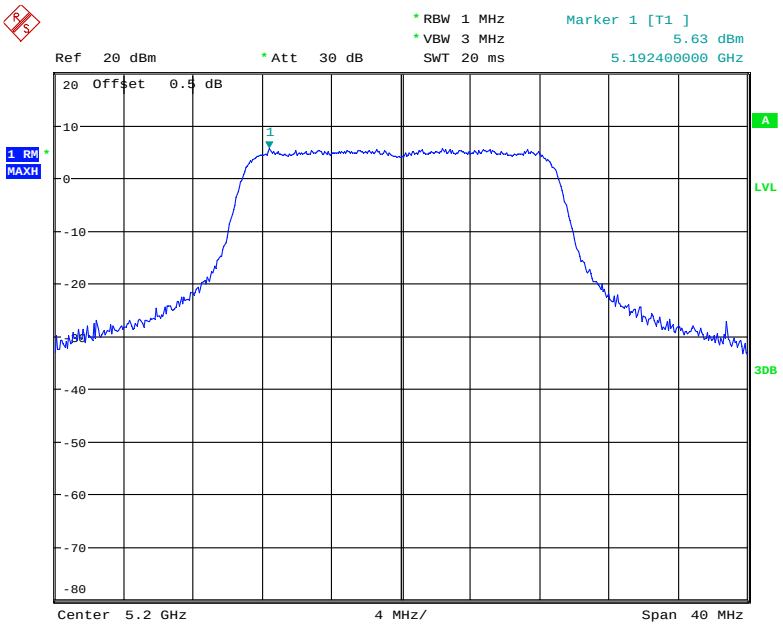

Date: 28.OCT.2017 13:23:33

## Chain 3, 802.11n ht20 Low Channel



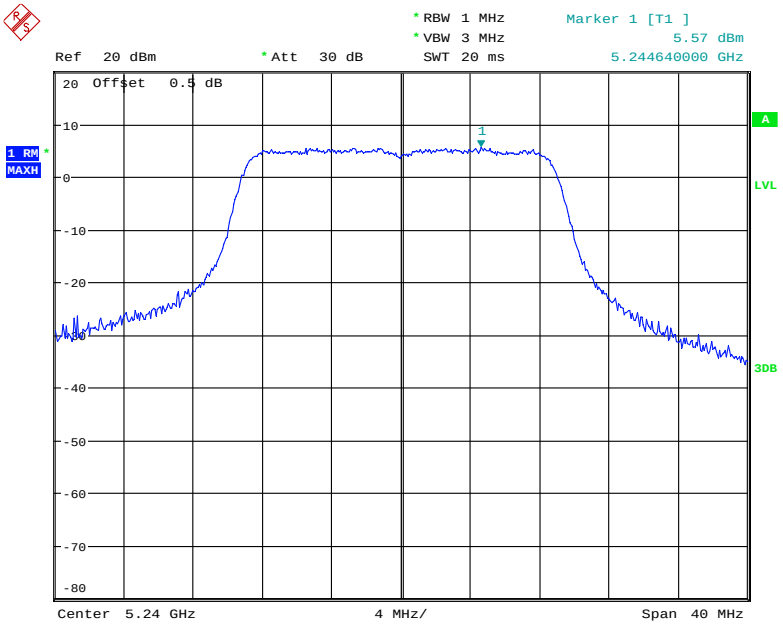

Date: 6.NOV.2017 11:23:44

## Chain 3, 802.11n ht20 Middle Channel



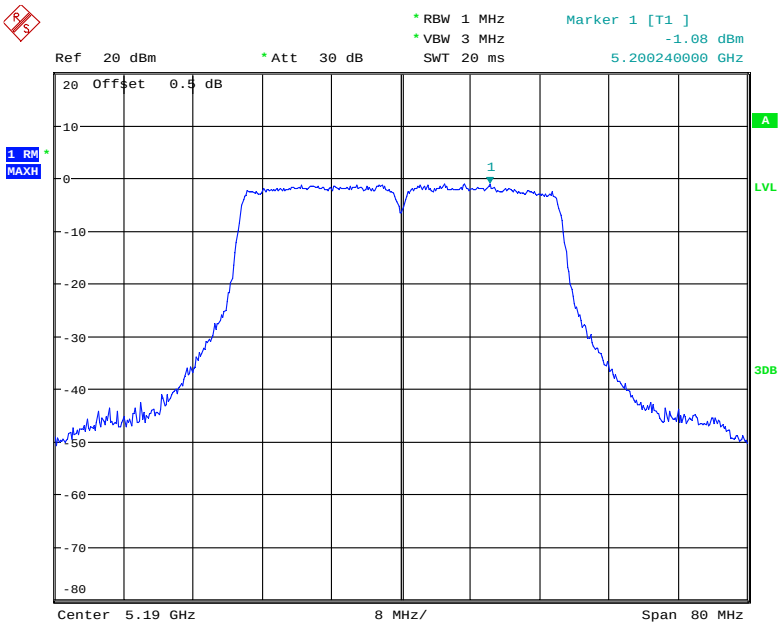

Date: 28.OCT.2017 13:53:49

## Chain 3, 802.11n ht20 High Channel



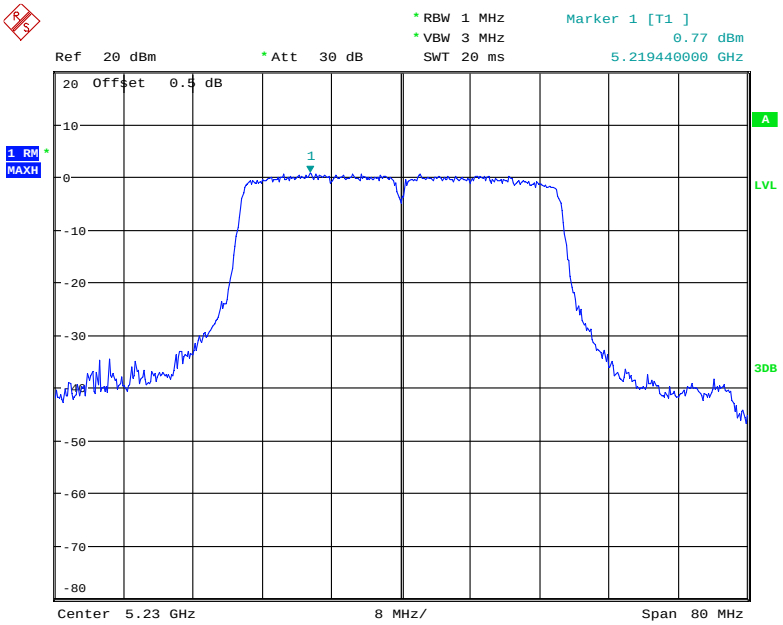

Date: 28.OCT.2017 13:52:25

## Chain 3, 802.11n ht40 Low Channel



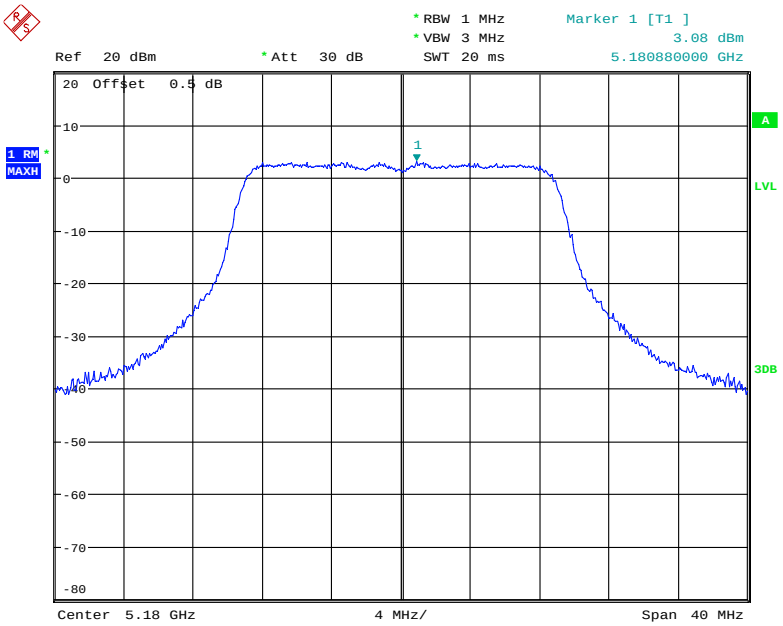

Date: 28.OCT.2017 15:18:21

## Chain 3, 802.11n ht40 High Channel



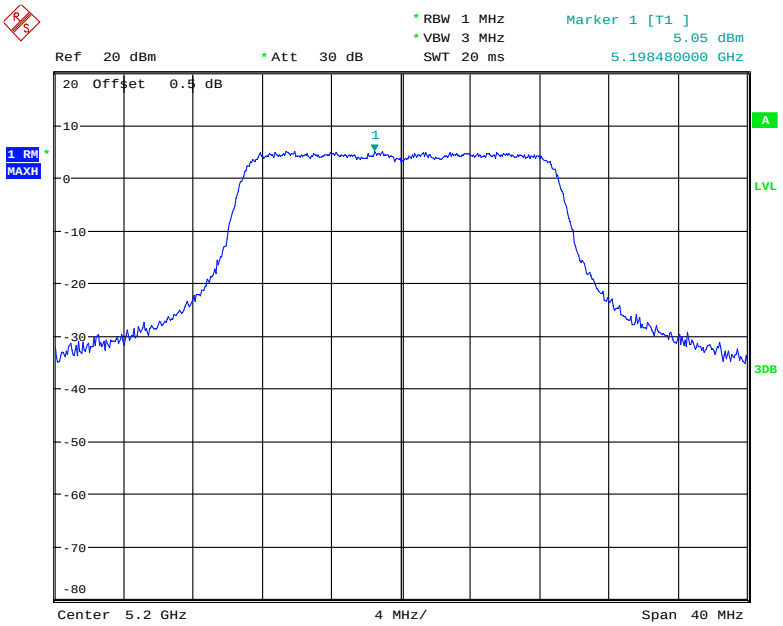

Date: 6.NOV.2017 11:39:37

## Chain 3, 802.11n ac20 Low Channel



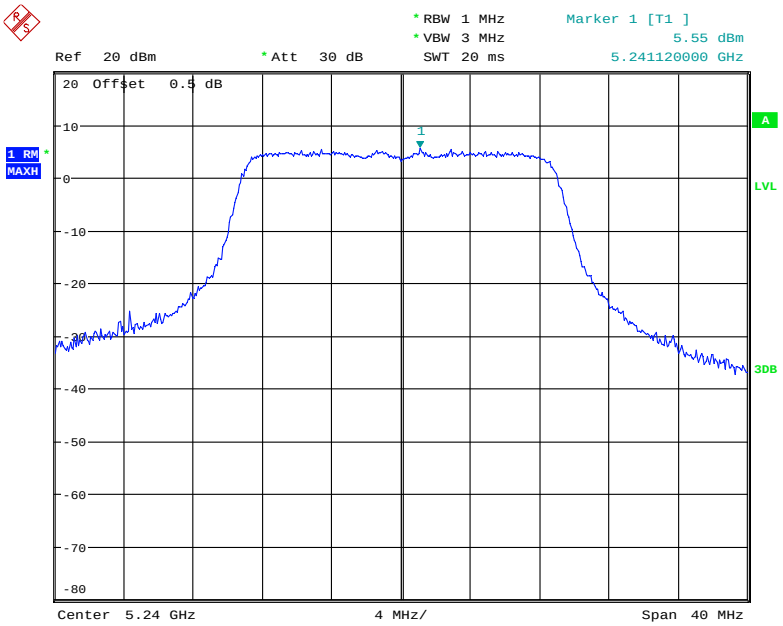

Date: 6.NOV.2017 11:43:51

## Chain 3, 802.11n ac20 Middle Channel



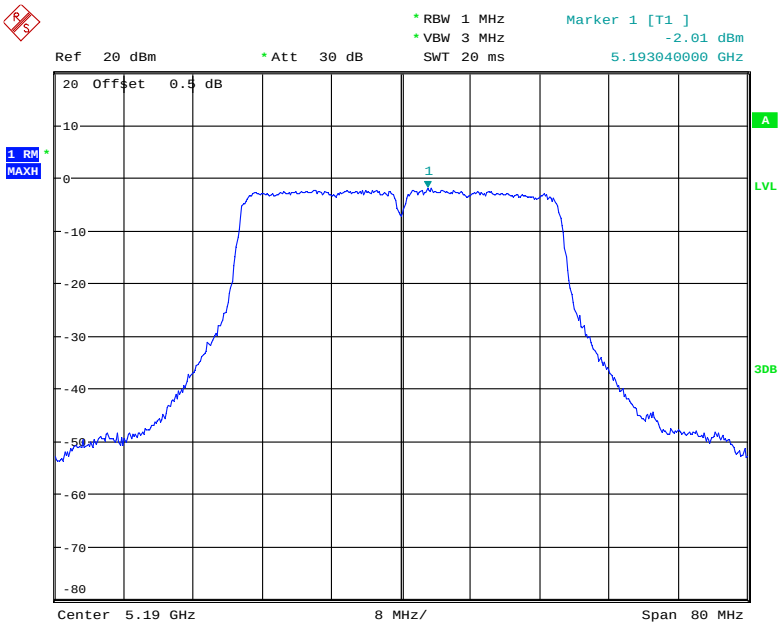

Date: 28.OCT.2017 14:32:07

## Chain 3, 802.11n ac20 High Channel



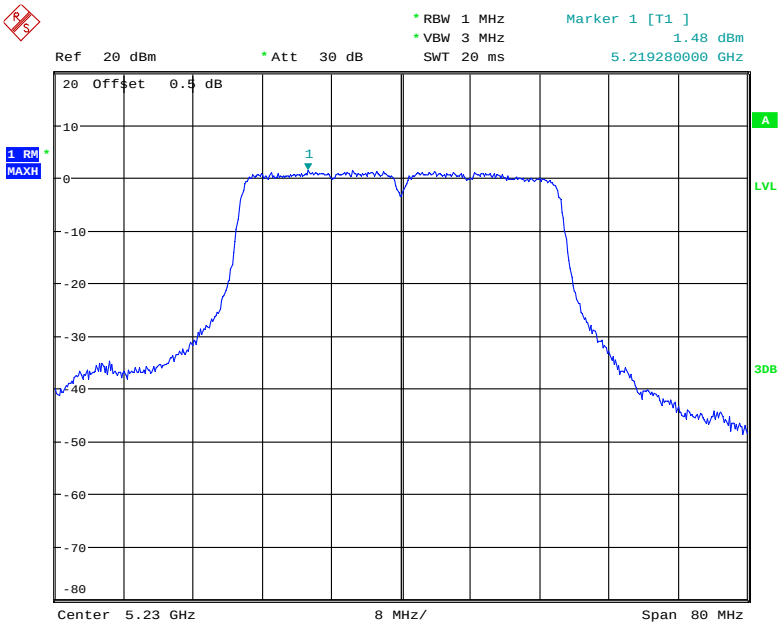

Date: 28.OCT.2017 14:33:21

## Chain 3, 802.11n ac40 Low Channel



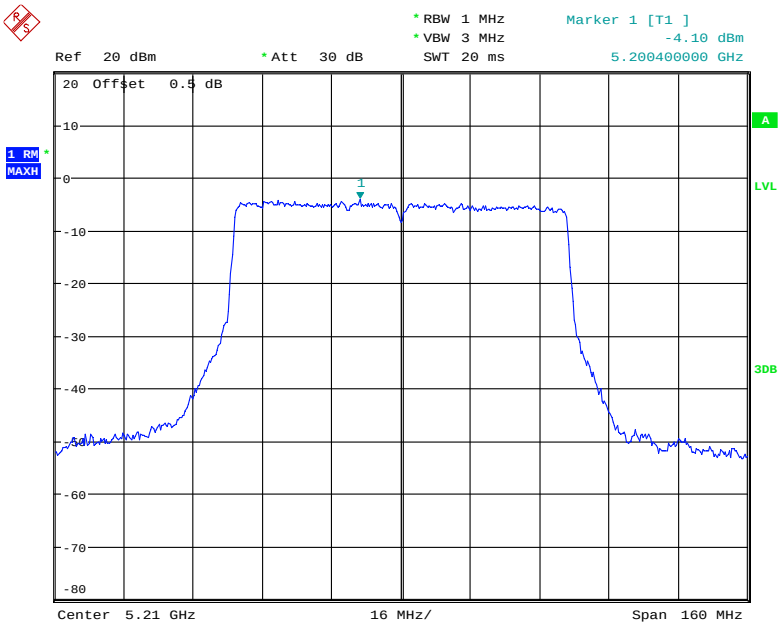

Date: 28.OCT.2017 15:58:06

## Chain 3, 802.11n ac40 High Channel




Date: 28.OCT.2017 16:03:24

## Chain 3, 802.11ac80 Middle Channel



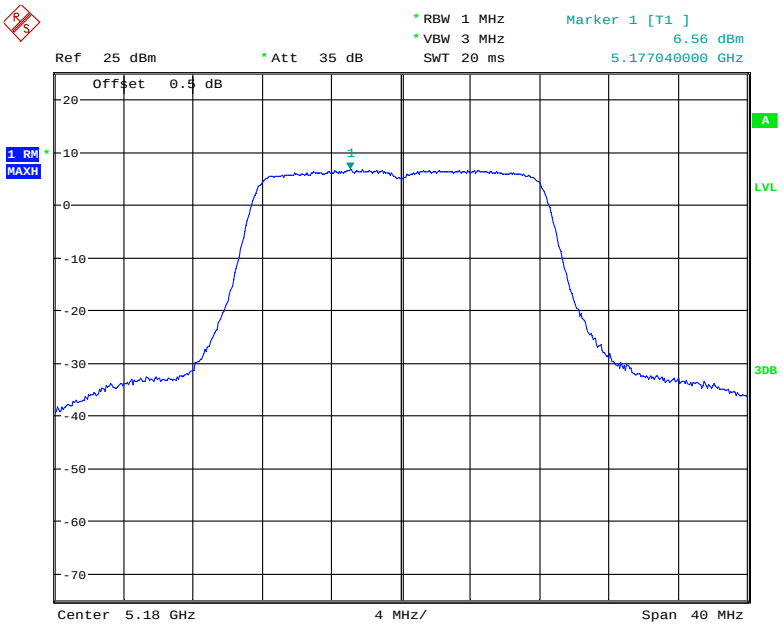

Date: 28.OCT.2017 16:28:29

**Radio 1: (For 5150-5250MHz, 4TX mode was tested since 4TX mode has the same power as other modes per chain, so 1TX mode was the worst case)**

**Non-beamforming 4TX:**

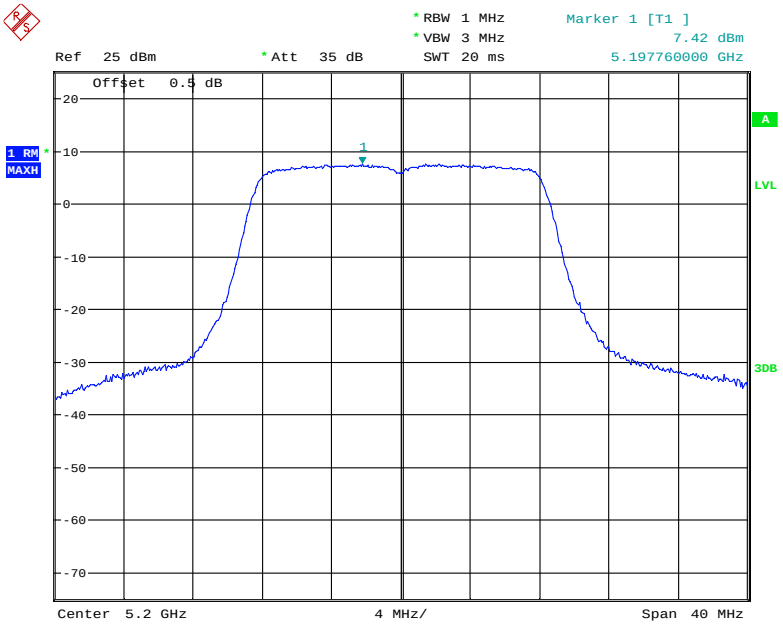
| UNII Band | Mode | Frequency (MHz) | Power Spectral Density (dBm/MHz) | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | Total | Limits |
| 5150-5250 MHz | 802.11 a | 5180 | 6.56 | 6.73 | 7.07 | 6.69 | 12.79 | 17 |
| | | 5200 | 7.42 | 7.93 | 7.62 | 7.54 | 13.65 | |
| | | 5240 | 7.75 | 8.18 | 7.9 | 7.72 | 13.91 | |
| | 802.11 ht20 | 5180 | 6.35 | 6.52 | 6.5 | 6.4 | 12.46 | |
| | | 5200 | 7.11 | 7.63 | 7.31 | 7.44 | 13.4 | |
| | | 5240 | 7.38 | 7.12 | 7.63 | 7.38 | 13.4 | |
| | 802.11 ht40 | 5190 | -0.63 | -0.4 | -0.49 | -0.52 | 5.51 | |
| | | 5230 | 2.78 | 3.34 | 3.16 | 3.04 | 9.11 | |
| | 802.11 ac20 | 5180 | 6.17 | 6.47 | 6.39 | 6.52 | 12.41 | |
| | | 5200 | 6.87 | 7.2 | 7.22 | 7.27 | 13.16 | |
| | | 5240 | 7.19 | 7.22 | 7.46 | 7.45 | 13.35 | |
| | 802.11 ac40 | 5190 | -0.57 | 0.09 | -0.52 | -0.65 | 5.62 | |
| | | 5230 | 2.69 | 3.21 | 2.99 | 3.23 | 9.06 | |
| | 802.11 ac80 | 5210 | -7.94 | -7.73 | -7.22 | -7.93 | -1.67 | |

## Chain 0, 802.11a Low Channel



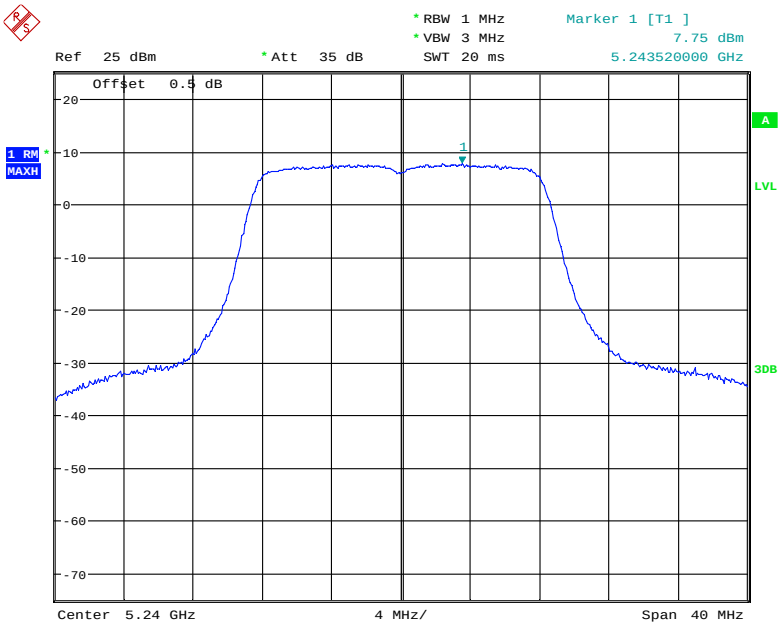

Date: 2.NOV.2017 00:18:09

## Chain 0, 802.11a Middle Channel



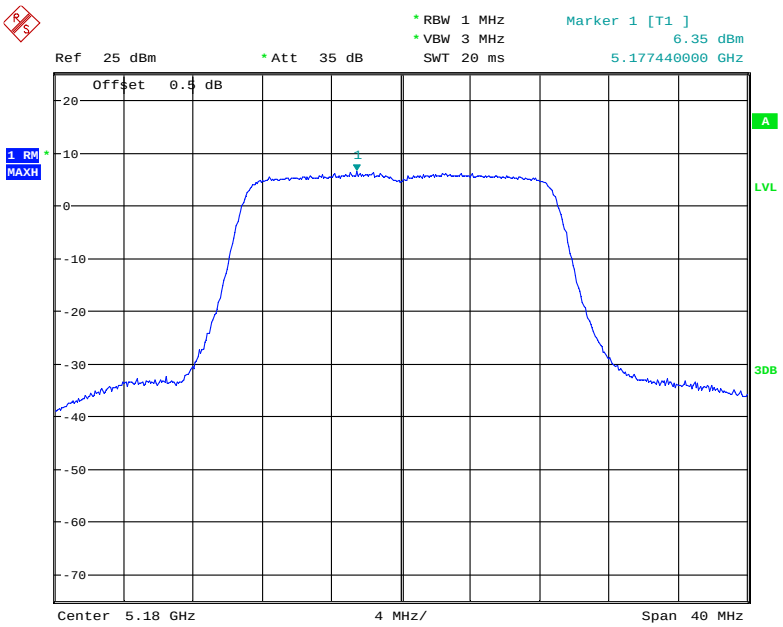

Date: 2.NOV.2017 00:29:19

## Chain 0, 802.11a High Channel



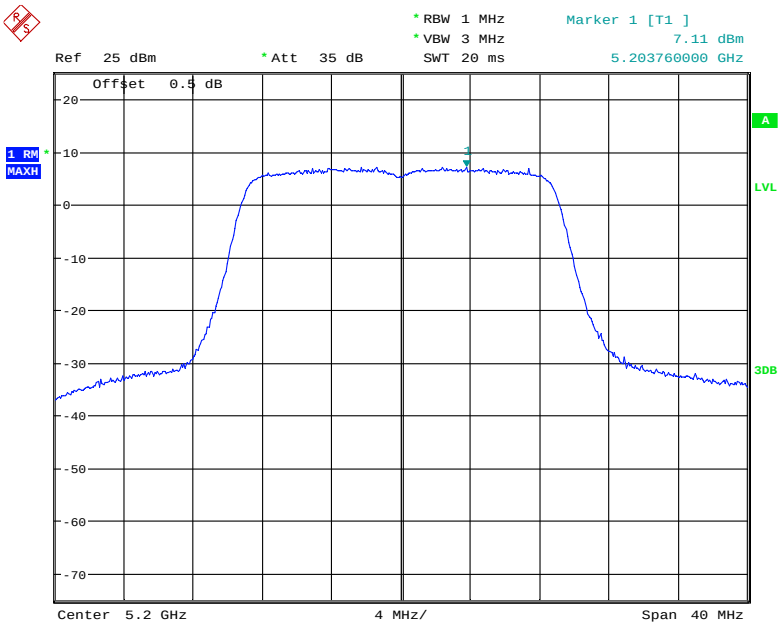

Date: 2.NOV.2017 00:28:31

## Chain 0, 802.11n ht20 Low Channel



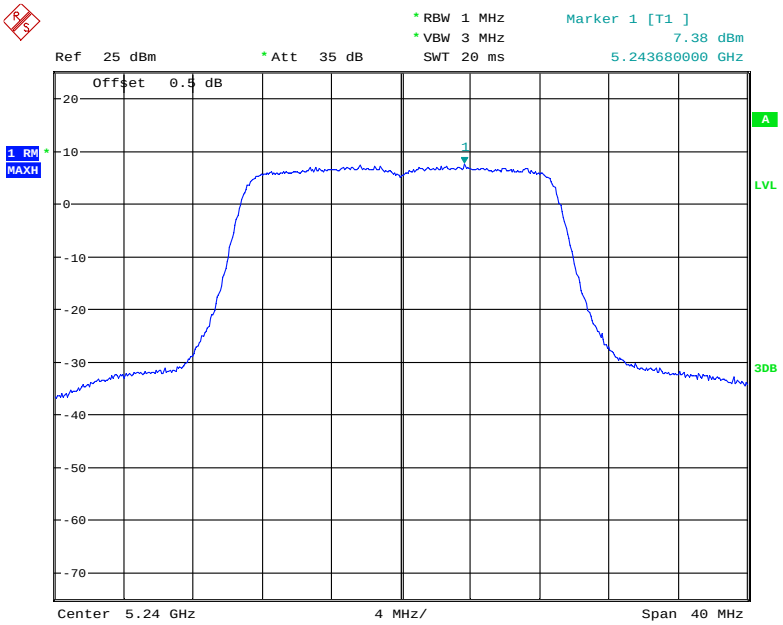

Date: 2.NOV.2017 18:59:02

## Chain 0, 802.11n ht20 Middle Channel



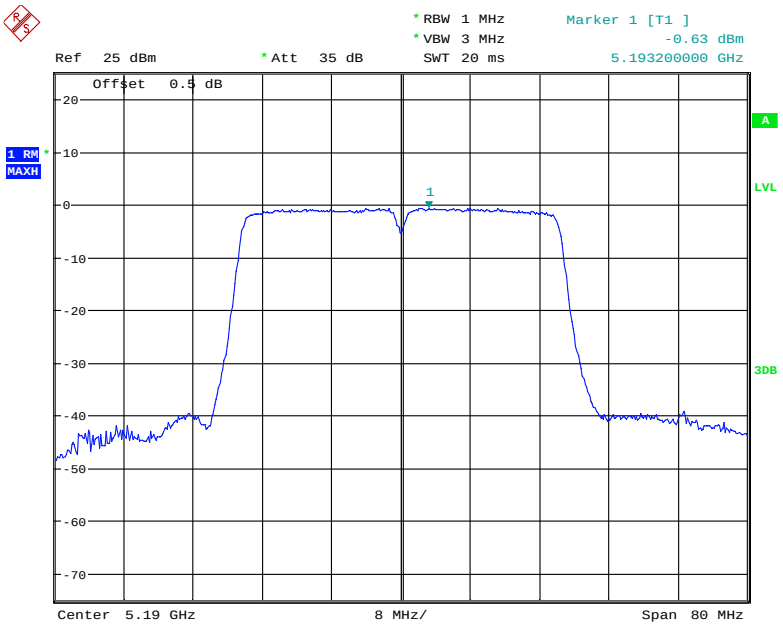

Date: 2.NOV.2017 18:40:48

## Chain 0, 802.11n ht20 High Channel



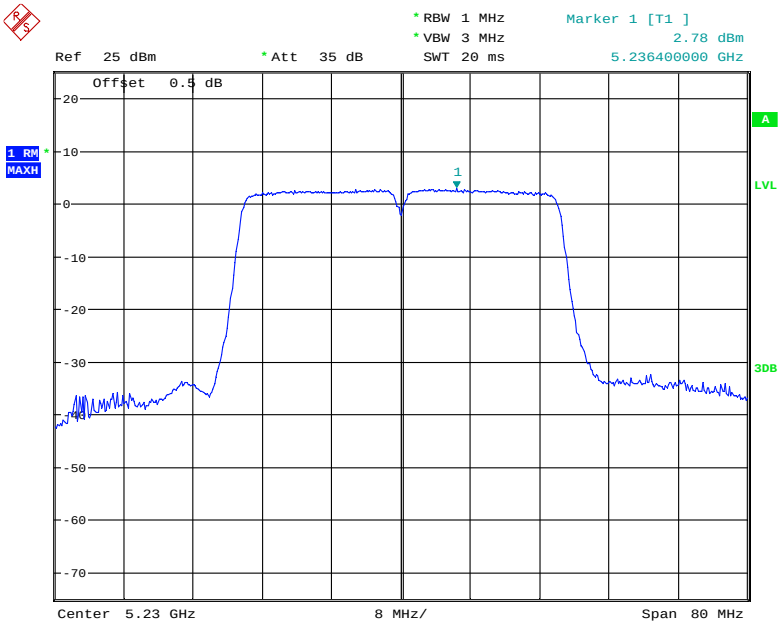

Date: 2.NOV.2017 18:39:52

## Chain 0, 802.11n ht40 Low Channel



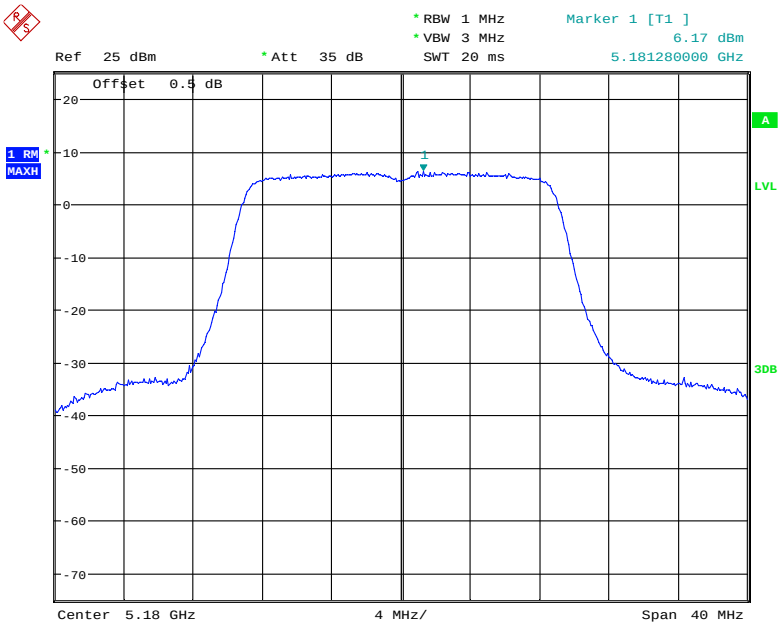

Date: 2.NOV.2017 20:33:39

## Chain 0, 802.11n ht40 High Channel



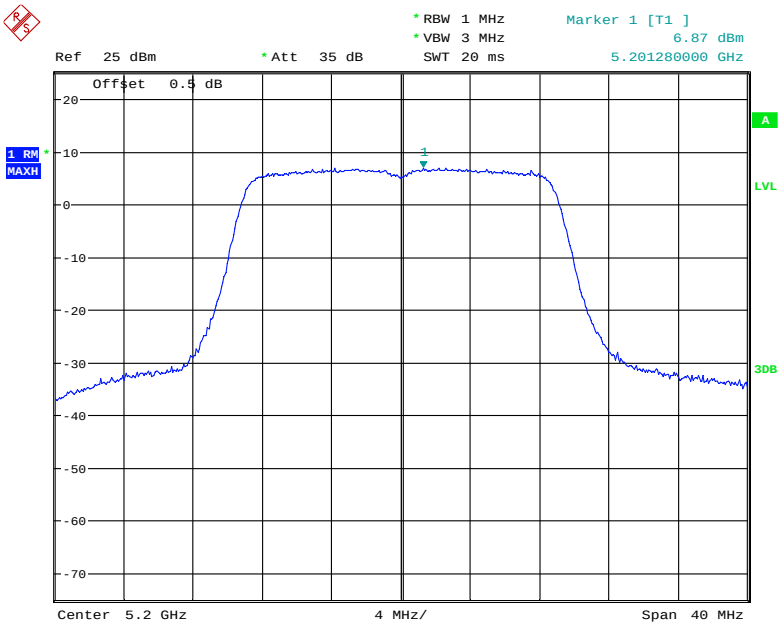

Date: 2.NOV.2017 20:34:54

## Chain 0, 802.11n ac20 Low Channel



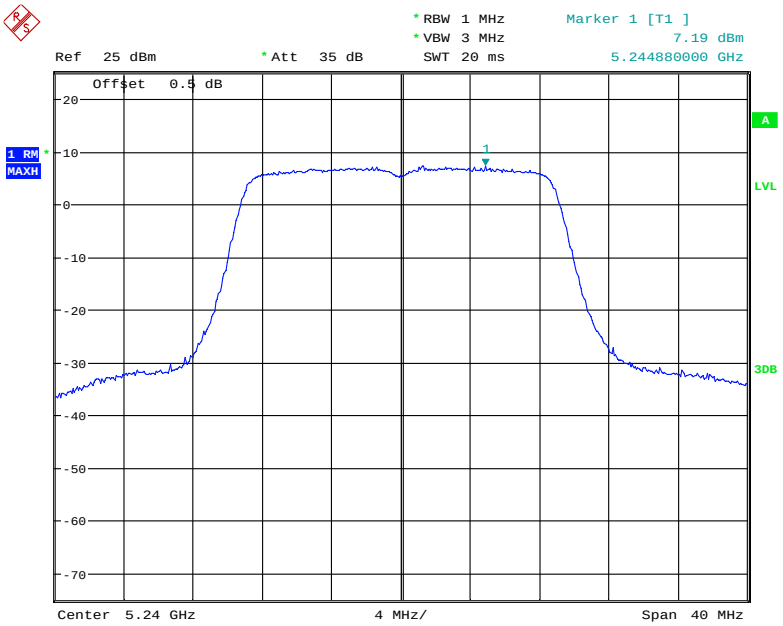

Date: 2.NOV.2017 19:40:24

## Chain 0, 802.11n ac20 Middle Channel



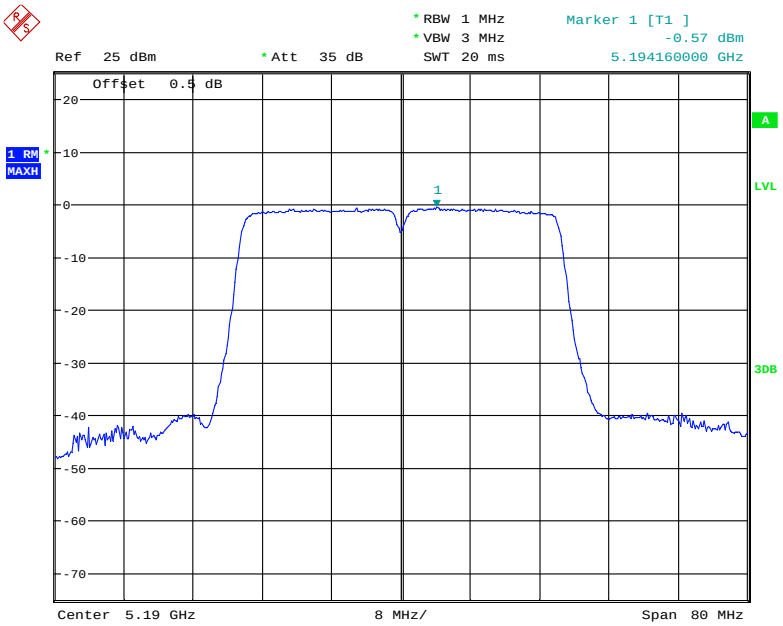

Date: 2.NOV.2017 19:50:19

## Chain 0, 802.11n ac20 High Channel



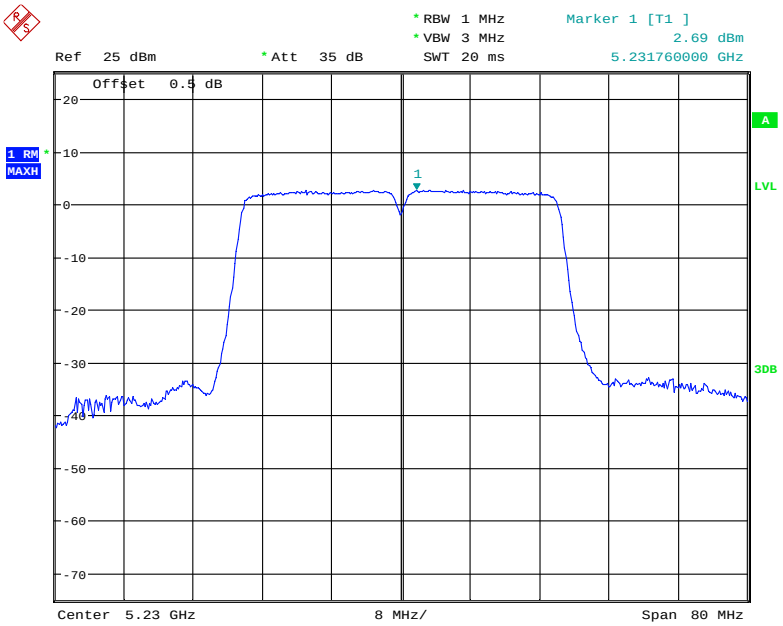

Date: 2.NOV.2017 19:49:20

## Chain 0, 802.11n ac40 Low Channel



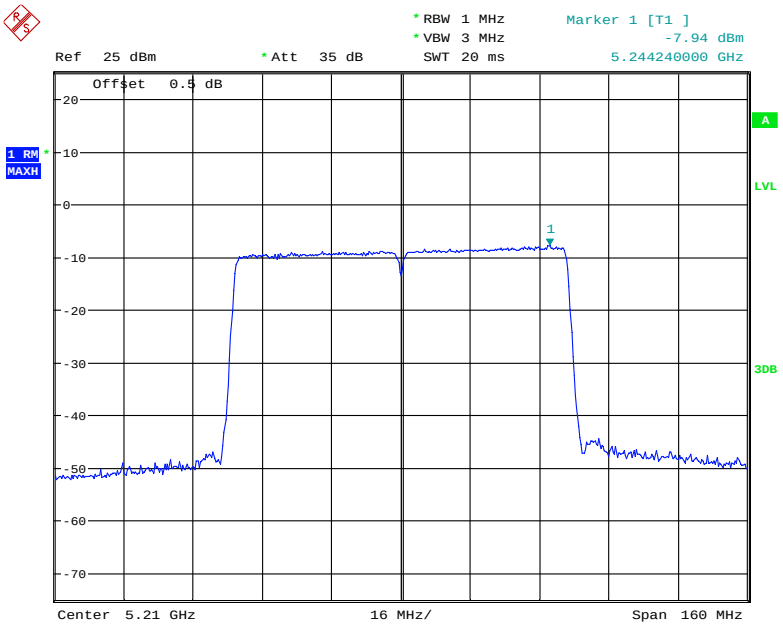

Date: 2.NOV.2017 22:25:13

## Chain 0, 802.11n ac40 High Channel



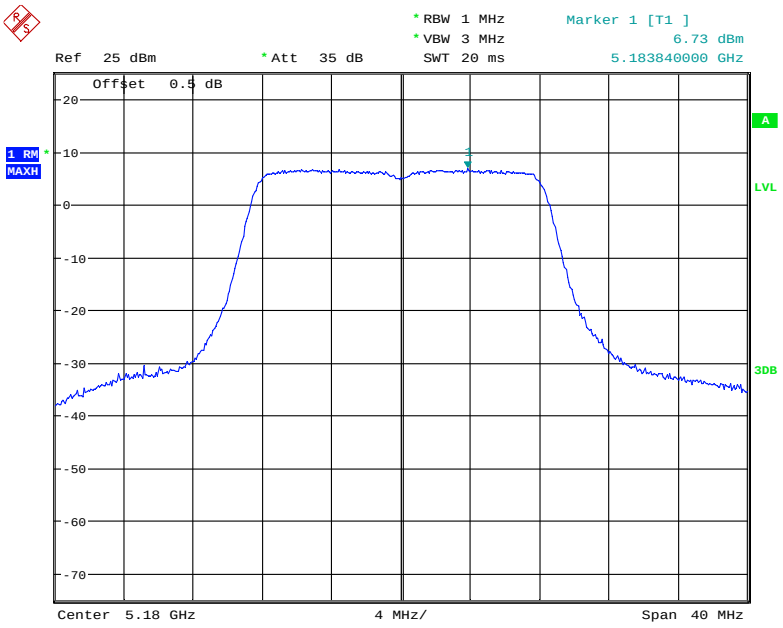

Date: 2.NOV.2017 22:14:36

## Chain 0, 802.11ac80 Middle Channel



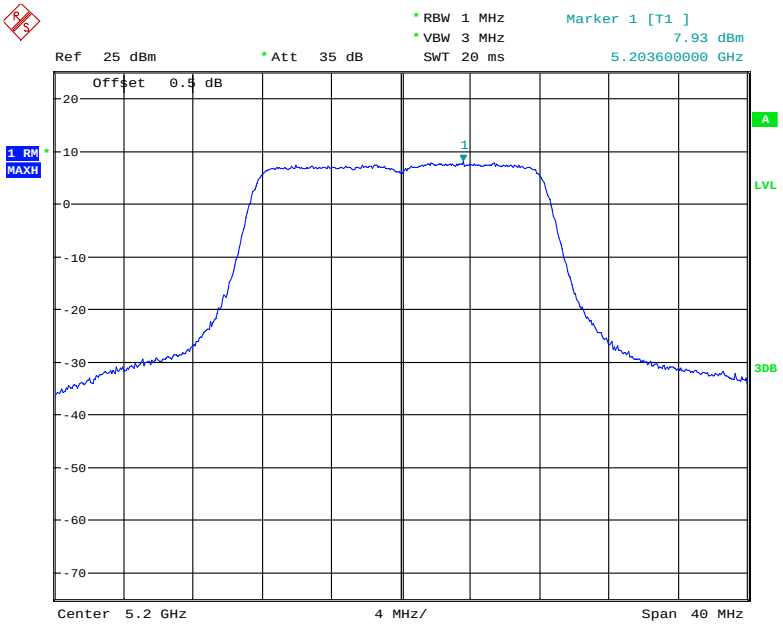

Date: 2.NOV.2017 22:37:02

## Chain 1, 802.11a Low Channel



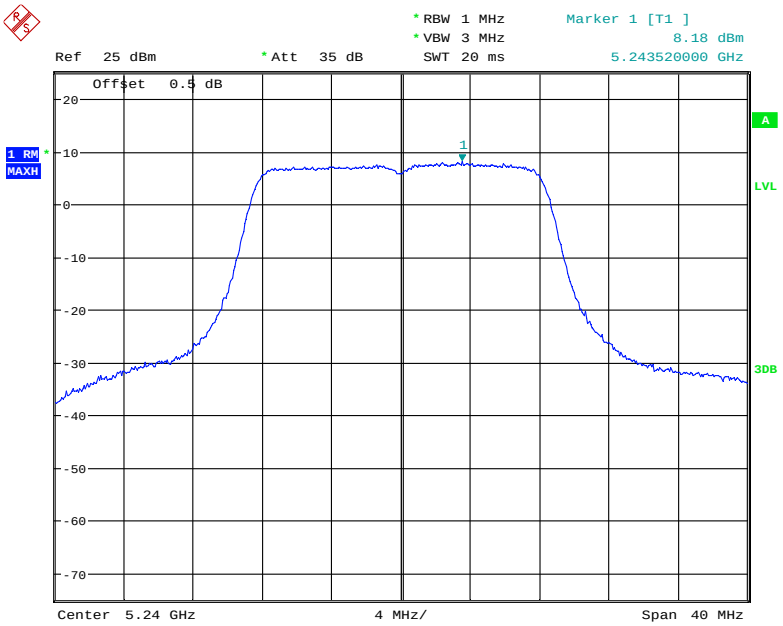

Date: 2.NOV.2017 00:19:28

## Chain 1, 802.11a Middle Channel



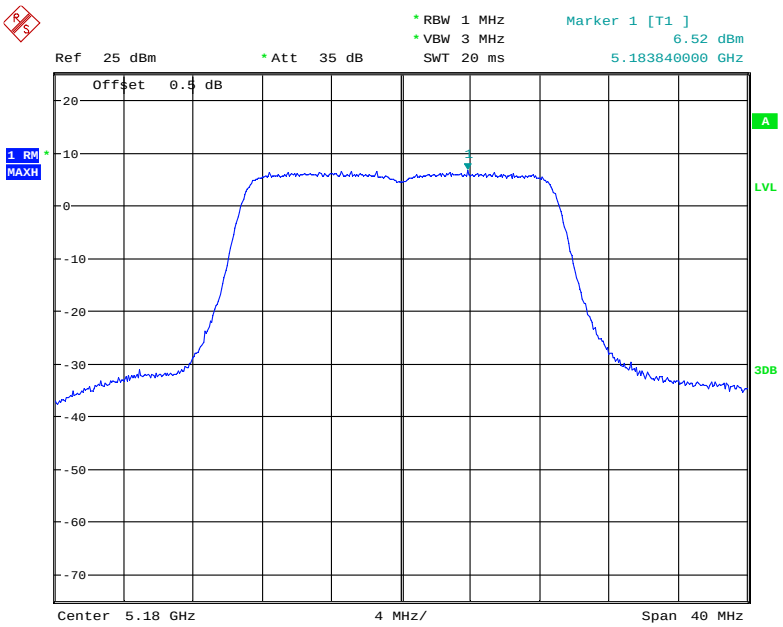

Date: 2.NOV.2017 00:26:38

## Chain 1, 802.11a High Channel



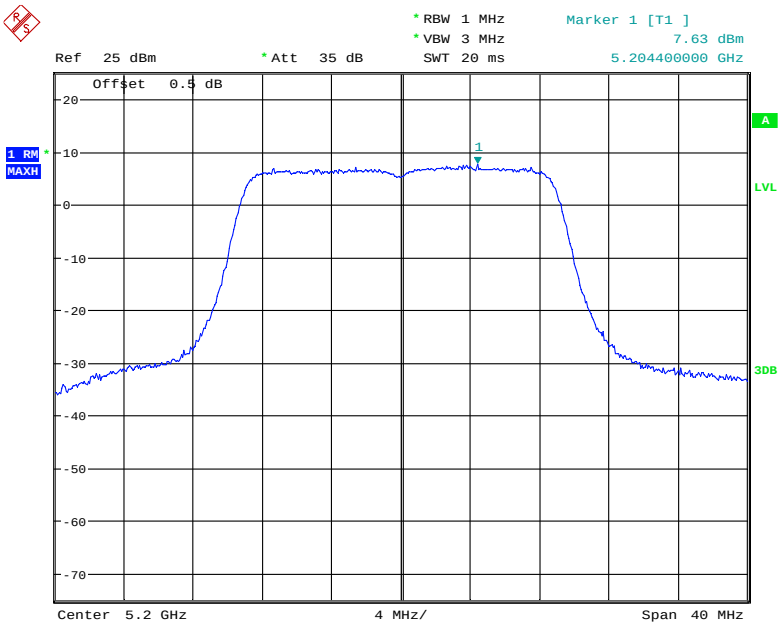

Date: 2.NOV.2017 00:27:26

## Chain 1, 802.11n ht20 Low Channel



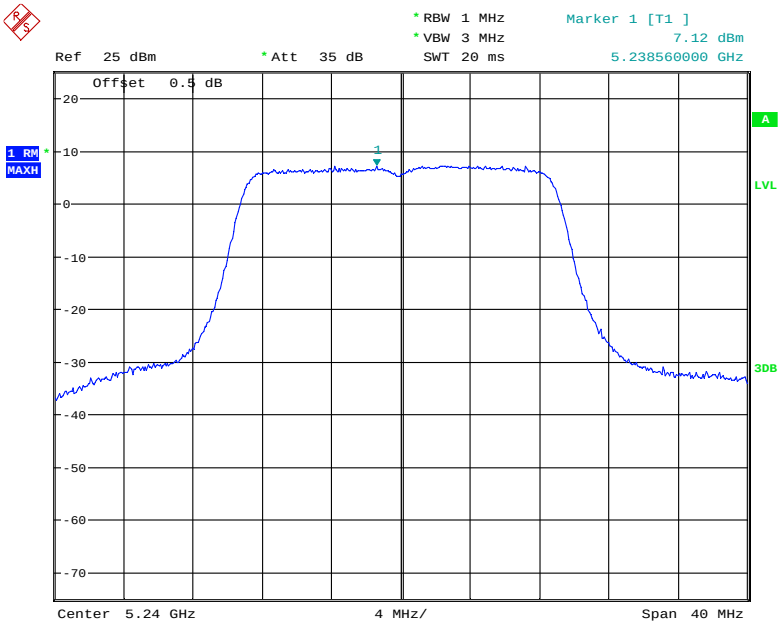

Date: 2.NOV.2017 18:58:07

## Chain 1, 802.11n ht20 Middle Channel



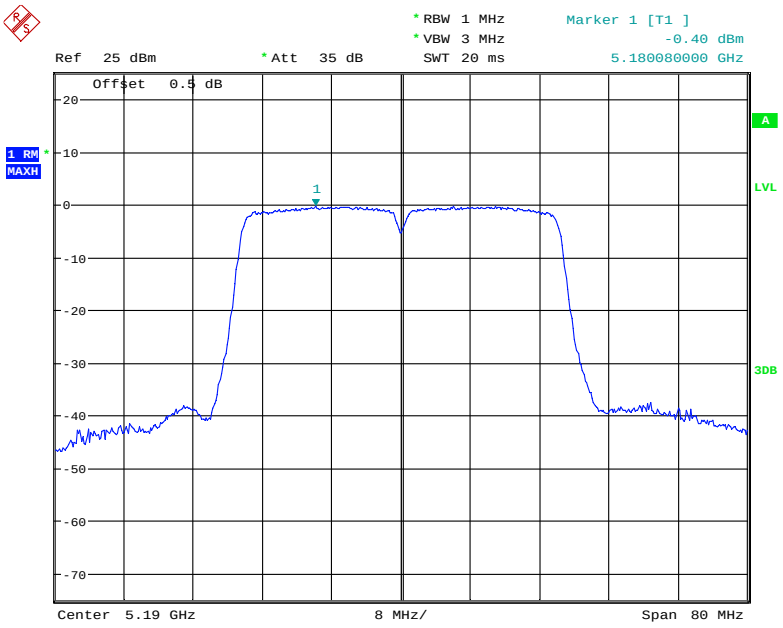

Date: 2.NOV.2017 18:41:25

## Chain 1, 802.11n ht20 High Channel



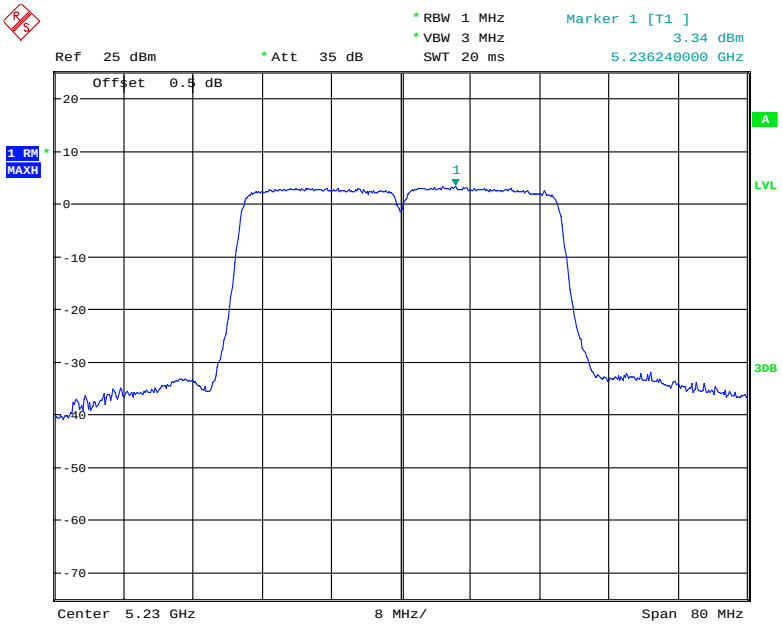

Date: 2.NOV.2017 18:42:15

## Chain 1, 802.11n ht40 Low Channel



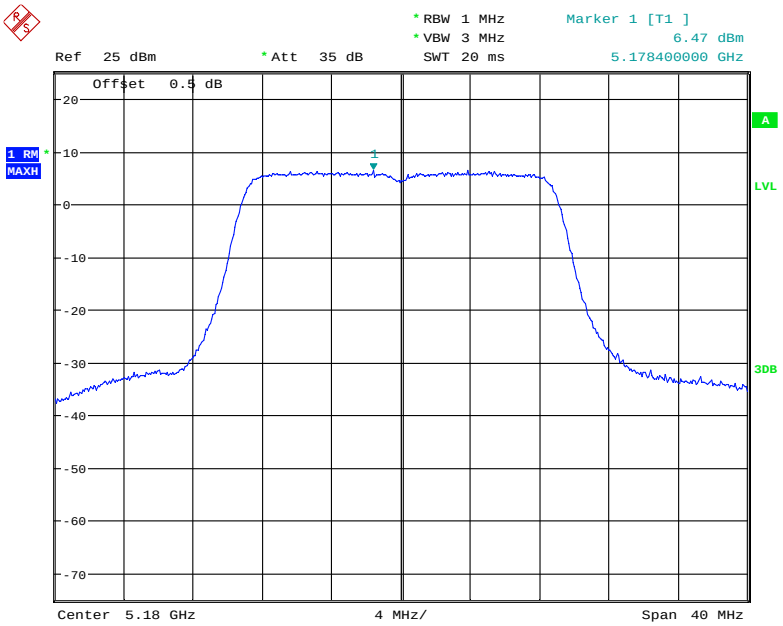

Date: 2.NOV.2017 20:33:02

## Chain 1, 802.11n ht40 High Channel



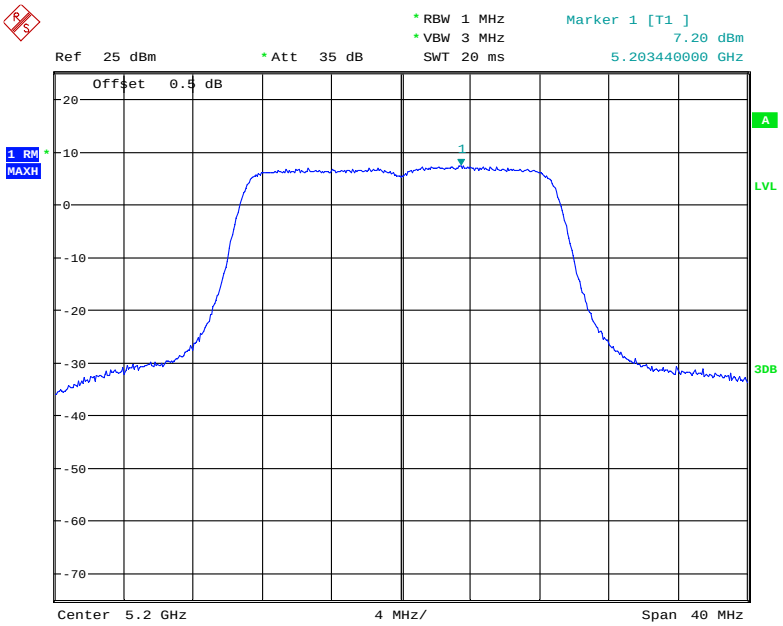

Date: 2.NOV.2017 20:37:53

## Chain 1, 802.11n ac20 Low Channel



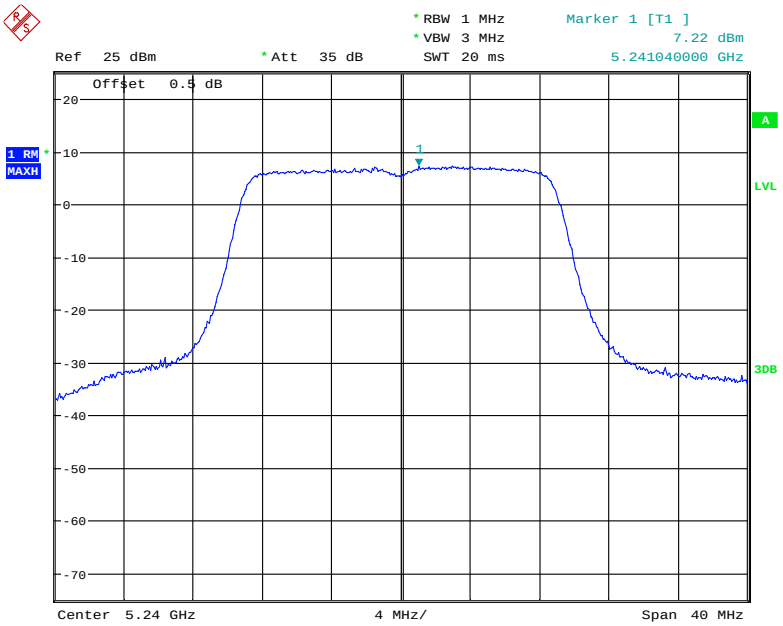

Date: 2.NOV.2017 19:41:38

## Chain 1, 802.11n ac20 Middle Channel



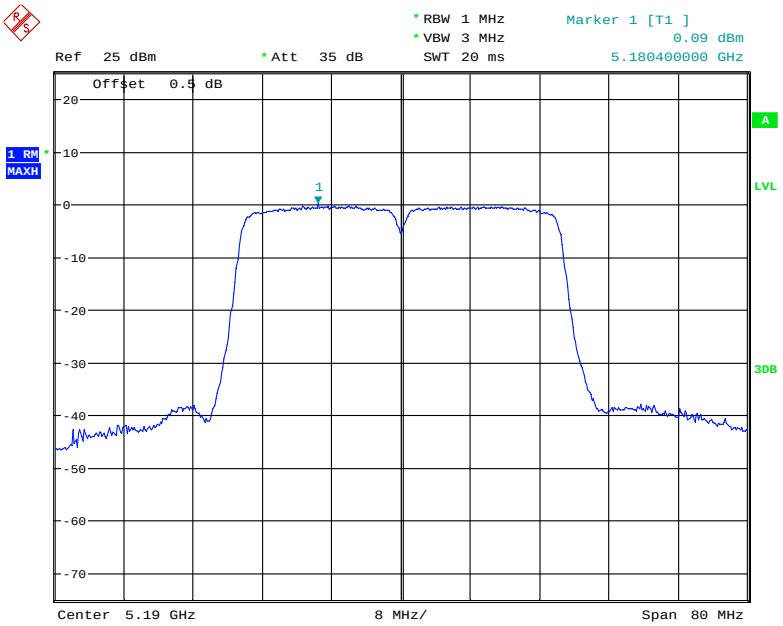

Date: 2.NOV.2017 19:47:46

## Chain 1, 802.11n ac20 High Channel



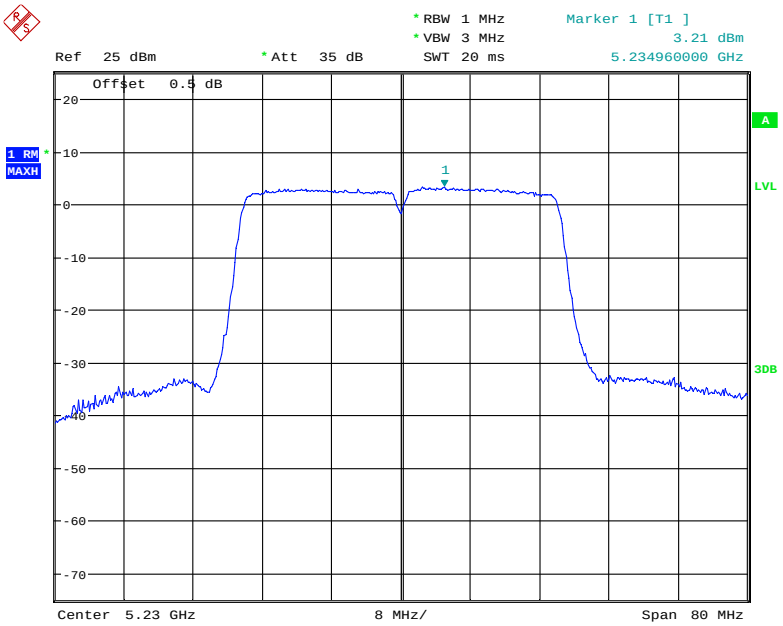

Date: 2.NOV.2017 19:48:14

## Chain 1, 802.11n ac40 Low Channel



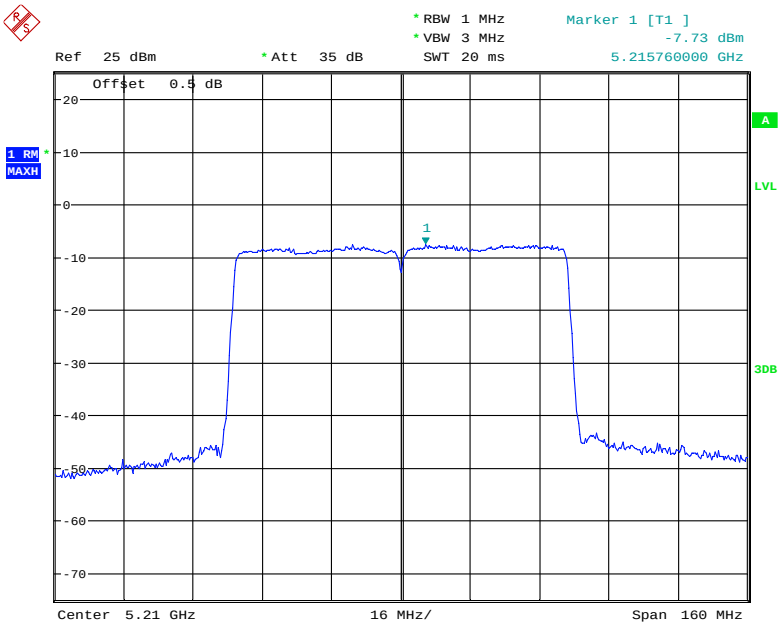

Date: 2.NOV.2017 22:24:20

## Chain 1, 802.11n ac40 High Channel



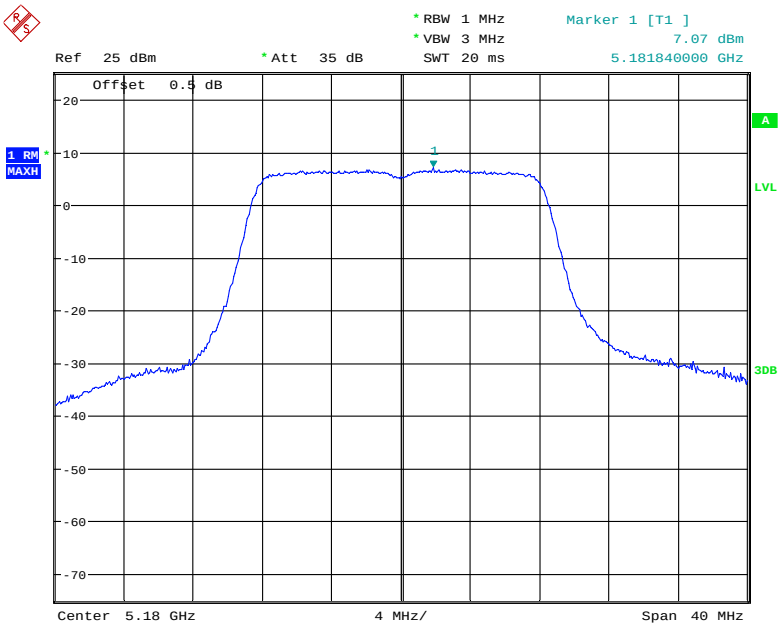

Date: 2.NOV.2017 22:13:36

## Chain 1, 802.11ac80 Middle Channel



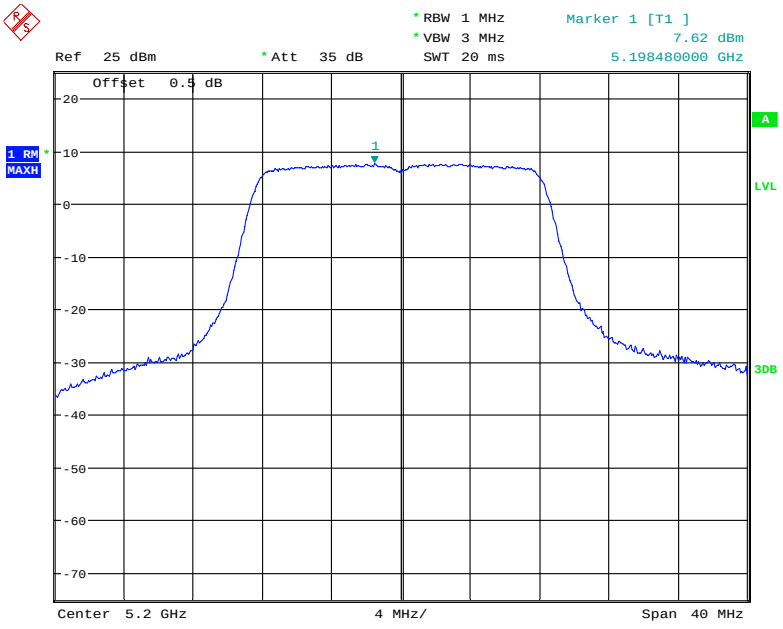

Date: 2.NOV.2017 22:36:23

## Chain 2, 802.11a Low Channel



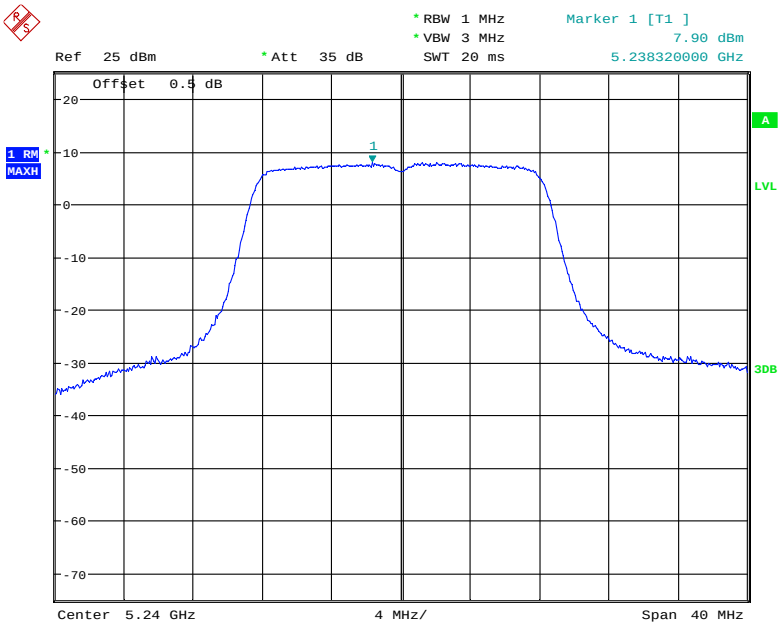

Date: 2.NOV.2017 00:20:43

## Chain 2, 802.11a Middle Channel



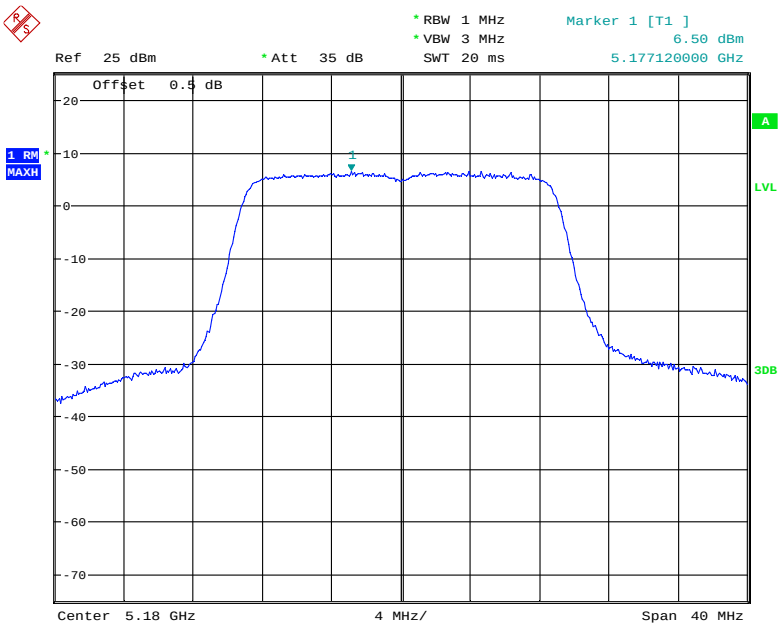

Date: 2.NOV.2017 00:26:06

## Chain 2, 802.11a High Channel



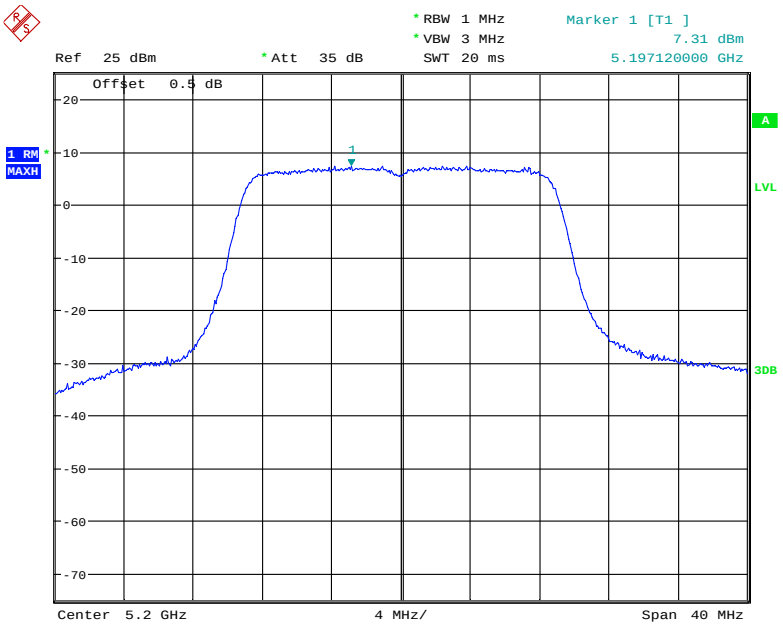

Date: 2.NOV.2017 00:25:05

## Chain 2, 802.11n ht20 Low Channel



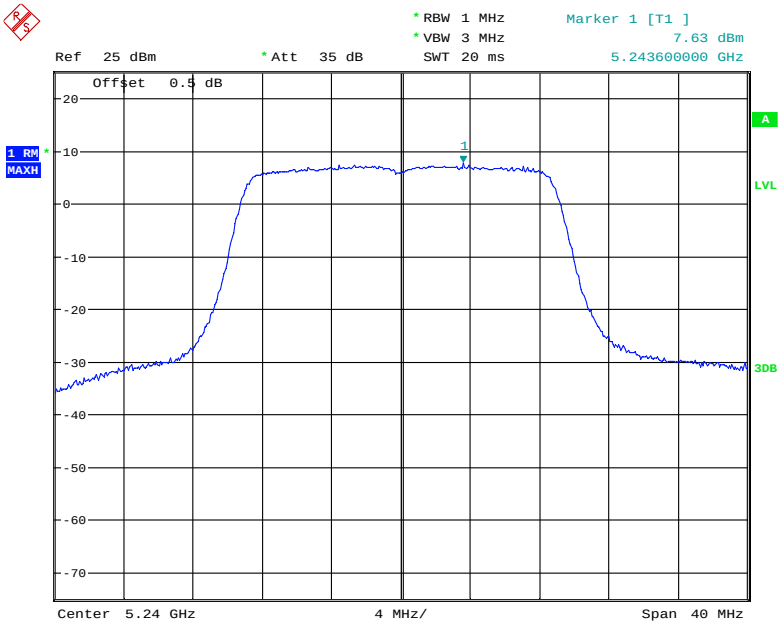

Date: 2.NOV.2017 18:57:02

## Chain 2, 802.11n ht20 Middle Channel



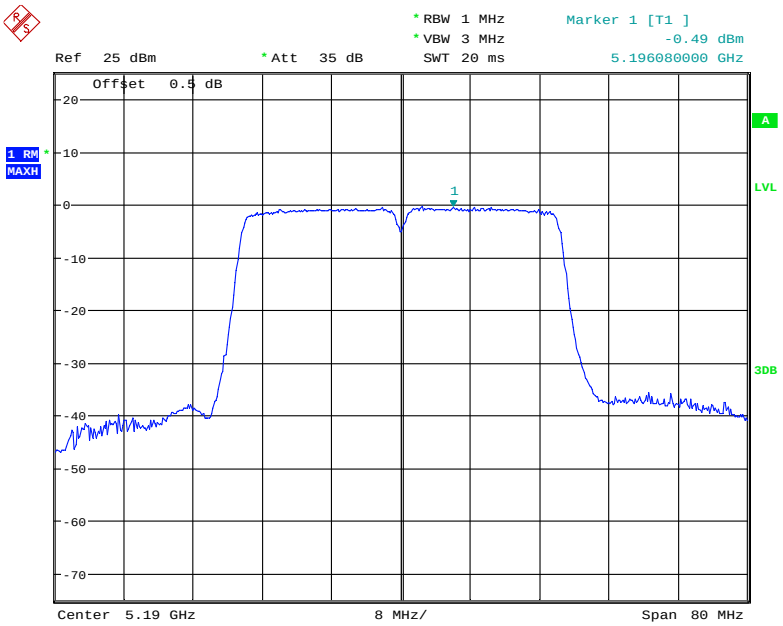

Date: 2.NOV.2017 18:44:27

## Chain 2, 802.11n ht20 High Channel



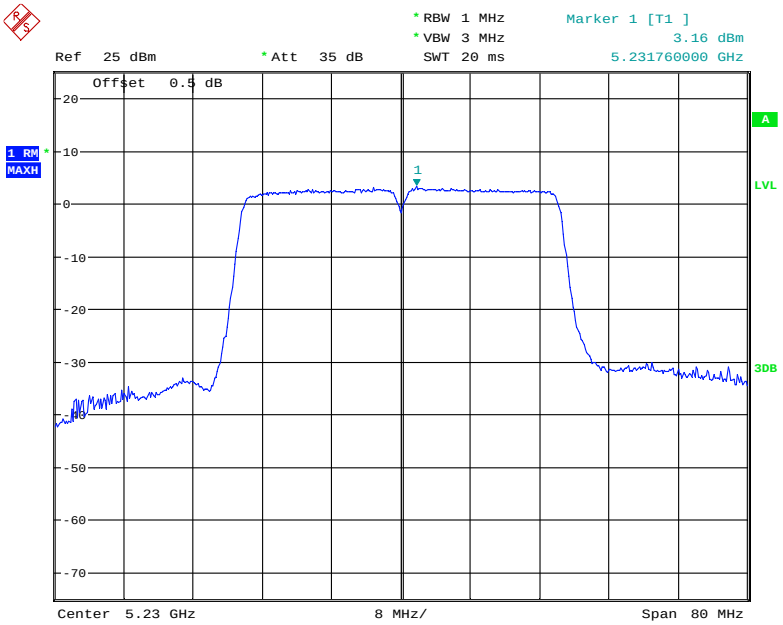

Date: 2.NOV.2017 18:43:31

## Chain 2, 802.11n ht40 Low Channel



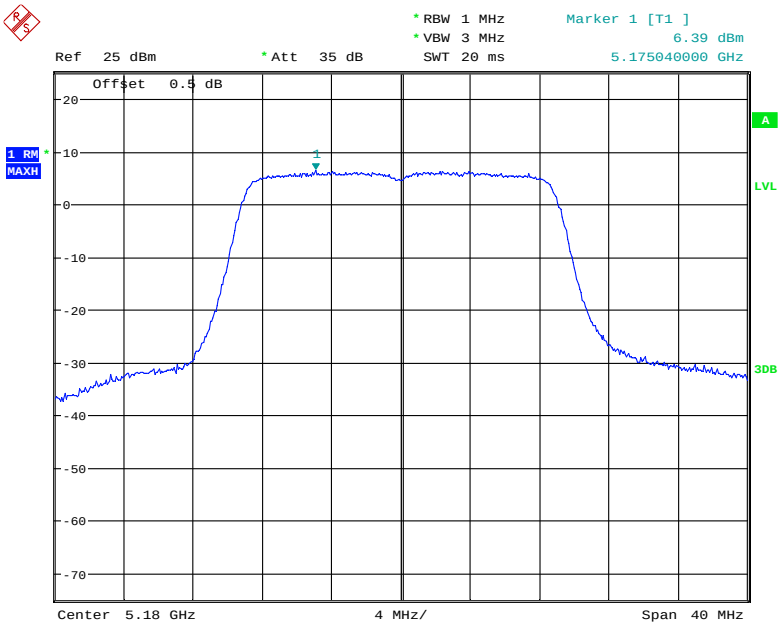

Date: 2.NOV.2017 20:32:19

## Chain 2, 802.11n ht40 High Channel



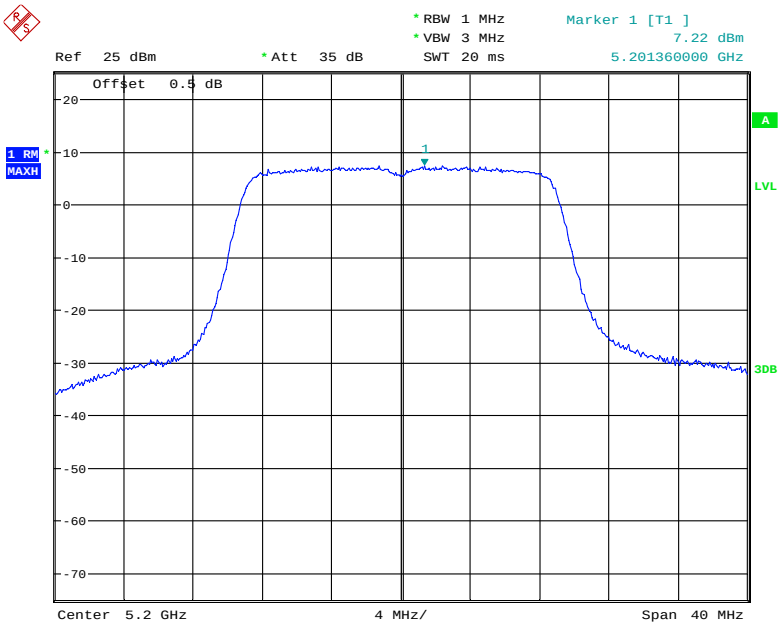

Date: 2.NOV.2017 20:39:15

## Chain 2, 802.11n ac20 Low Channel



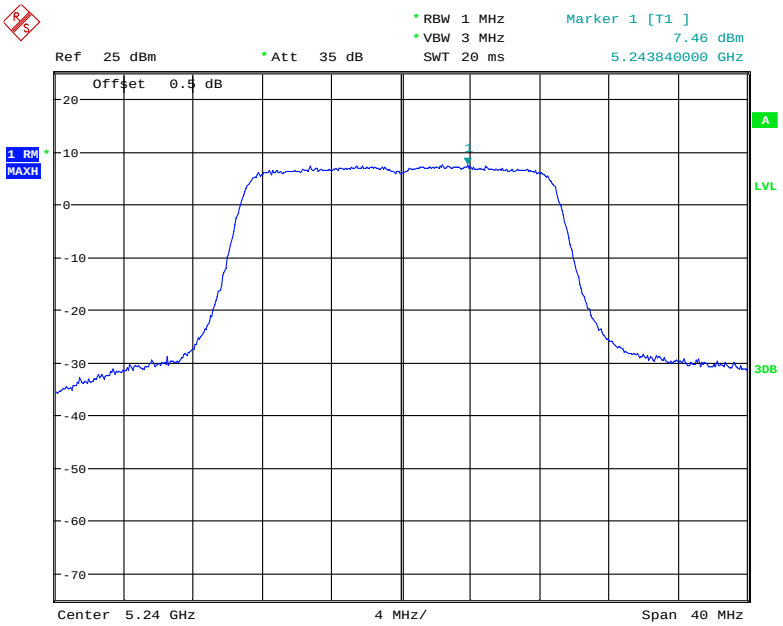

Date: 2.NOV.2017 19:42:32

## Chain 2, 802.11n ac20 Middle Channel



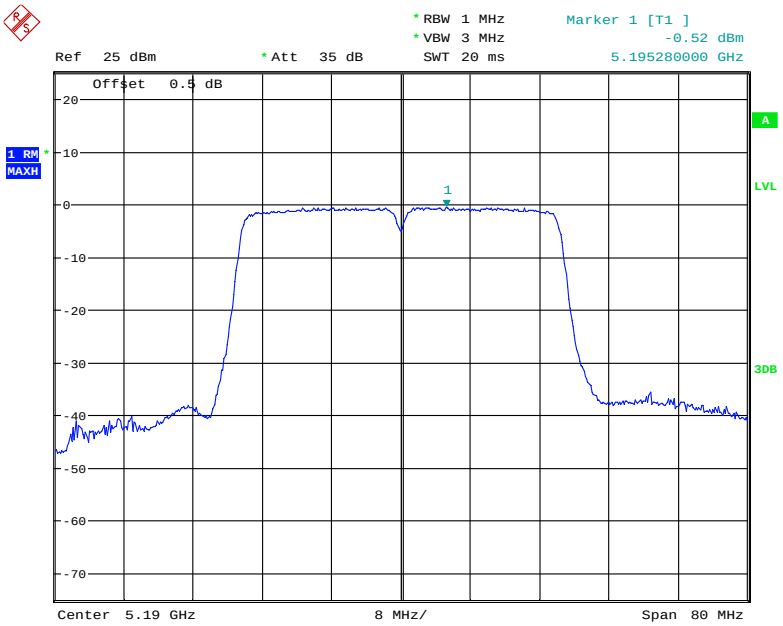

Date: 2.NOV.2017 19:47:10

## Chain 2, 802.11n ac20 High Channel



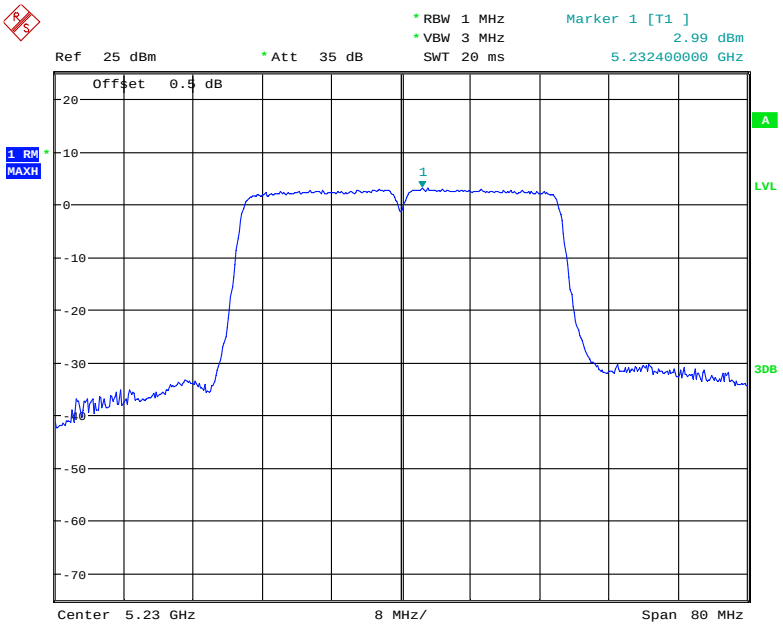

Date: 2.NOV.2017 19:46:27

## Chain 2, 802.11n ac40 Low Channel



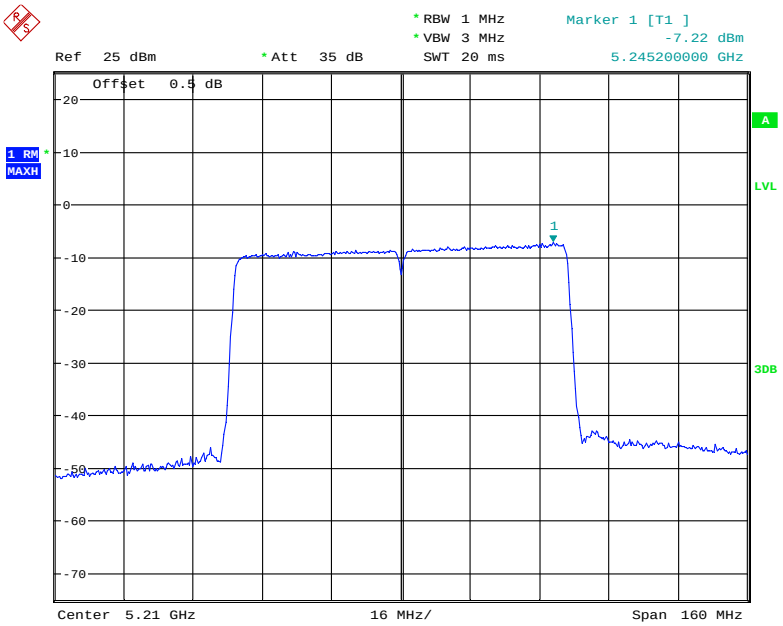

Date: 2.NOV.2017 22:23:26

## Chain 2, 802.11n ac40 High Channel



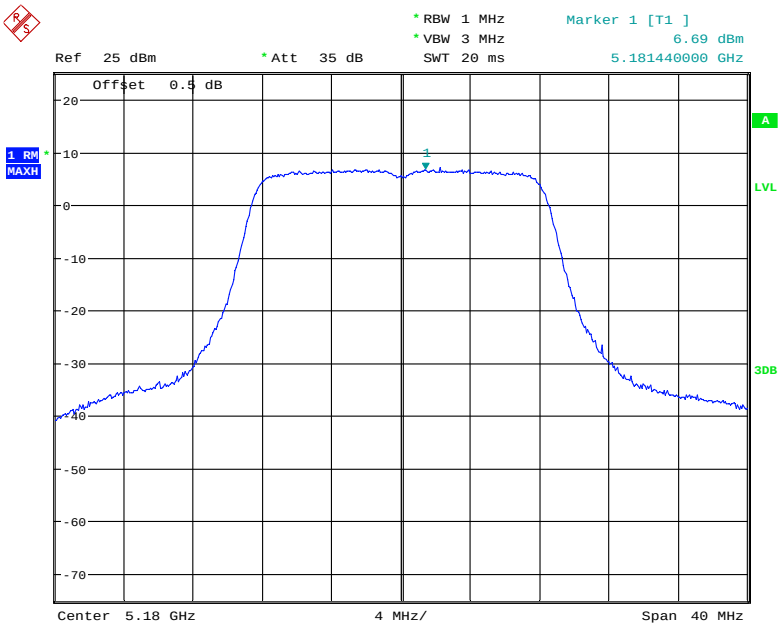

Date: 2.NOV.2017 22:17:43

## Chain 2, 802.11ac80 Middle Channel



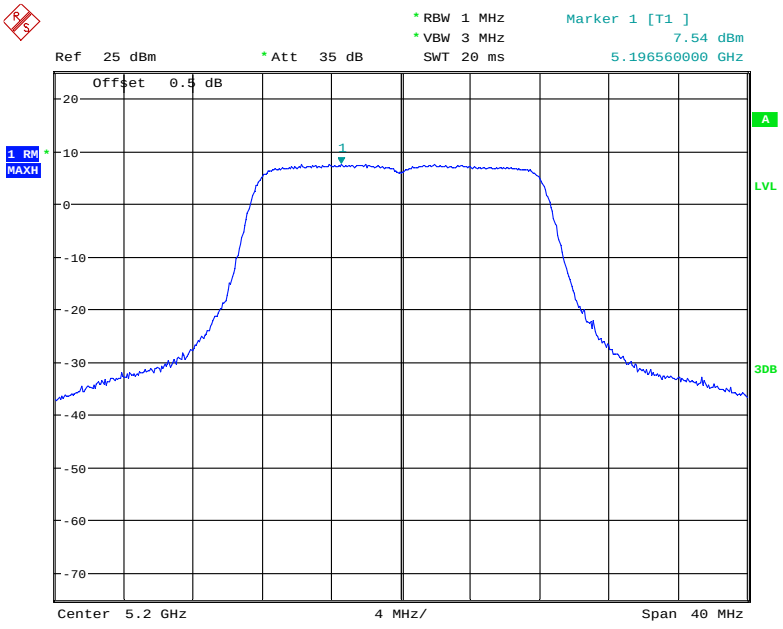

Date: 2.NOV.2017 22:35:44

## Chain 3, 802.11a Low Channel



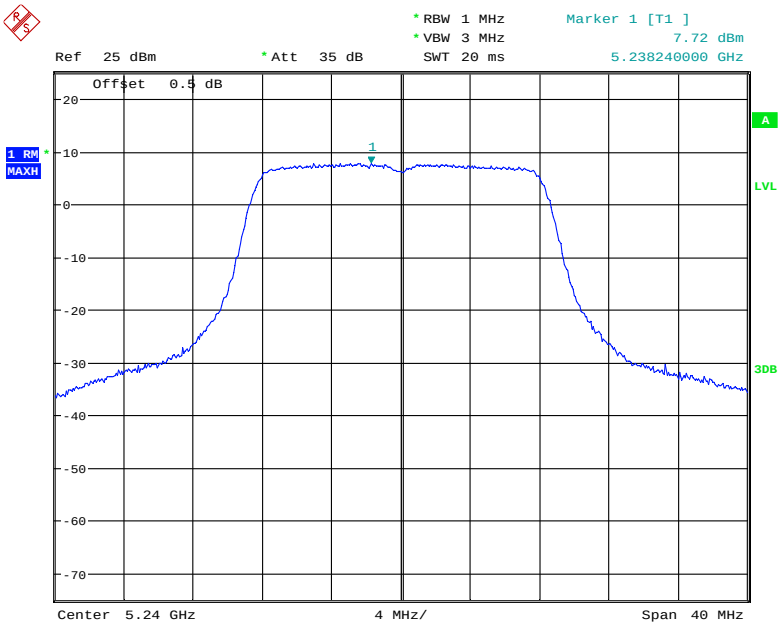

Date: 2.NOV.2017 00:21:38

## Chain 3, 802.11a Middle Channel



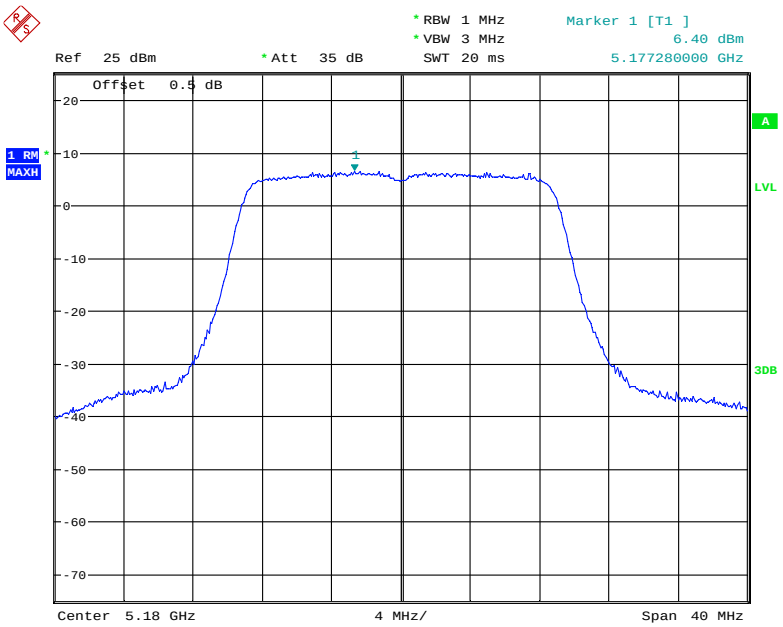

Date: 2.NOV.2017 00:23:37

## Chain 3, 802.11a High Channel



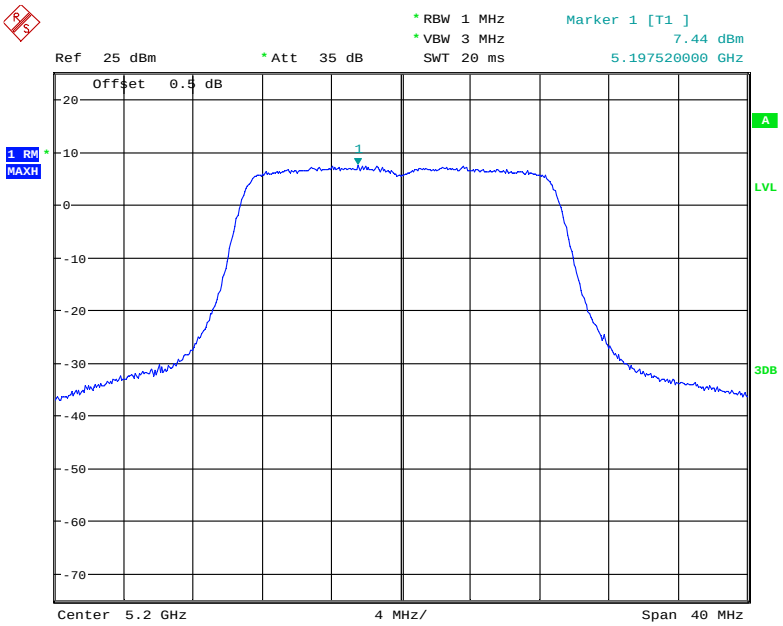

Date: 2.NOV.2017 00:24:12

## Chain 3, 802.11n ht20 Low Channel



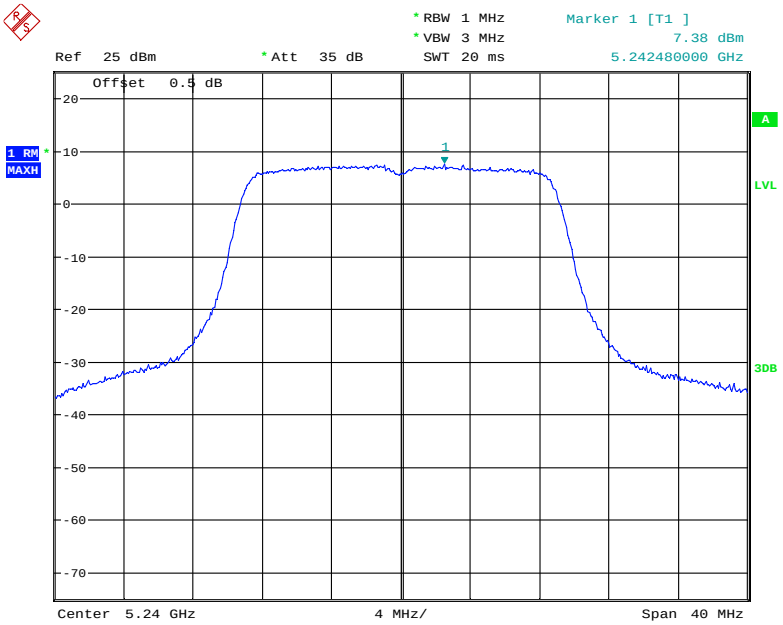

Date: 2.NOV.2017 18:54:16

## Chain 3, 802.11n ht20 Middle Channel



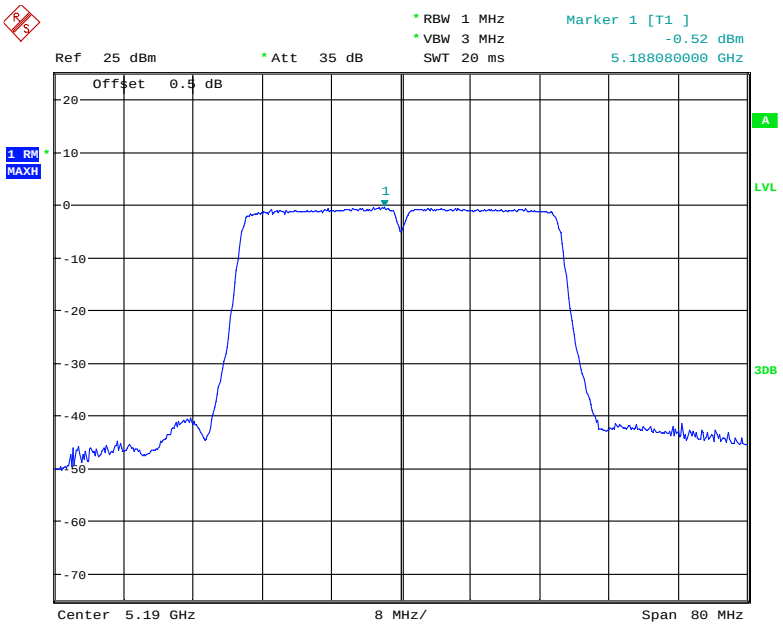

Date: 2.NOV.2017 18:45:08

## Chain 3, 802.11n ht20 High Channel



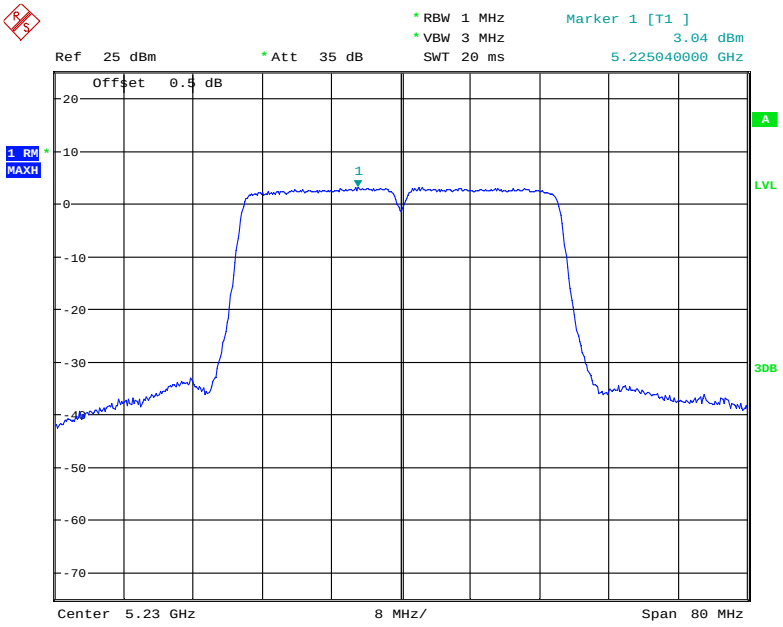

Date: 2.NOV.2017 18:45:39

## Chain 3, 802.11n ht40 Low Channel



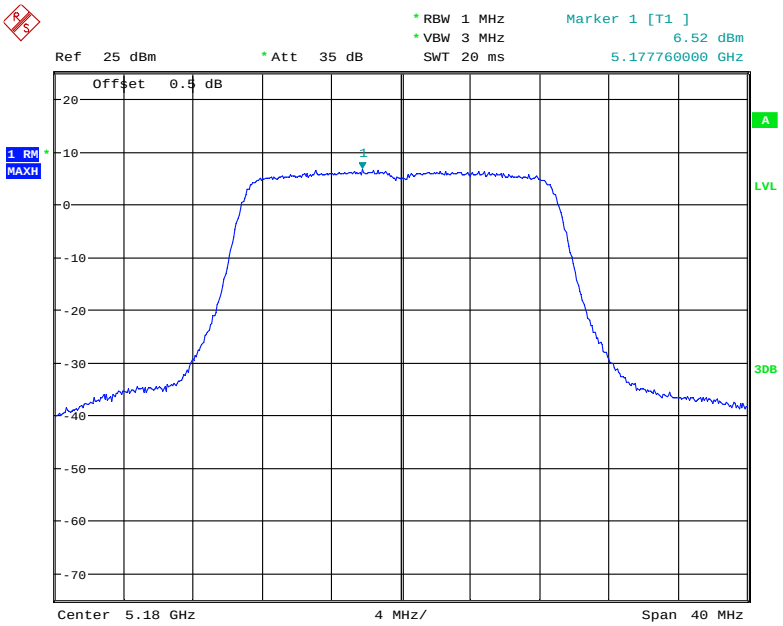

Date: 2.NOV.2017 20:31:42

## Chain 3, 802.11n ht40 High Channel



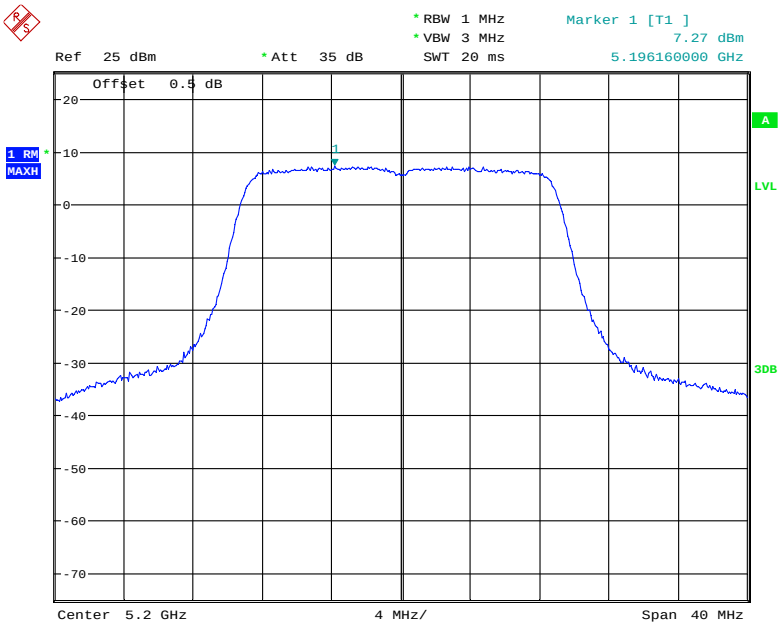

Date: 2.NOV.2017 20:42:49

## Chain 3, 802.11n ac20 Low Channel



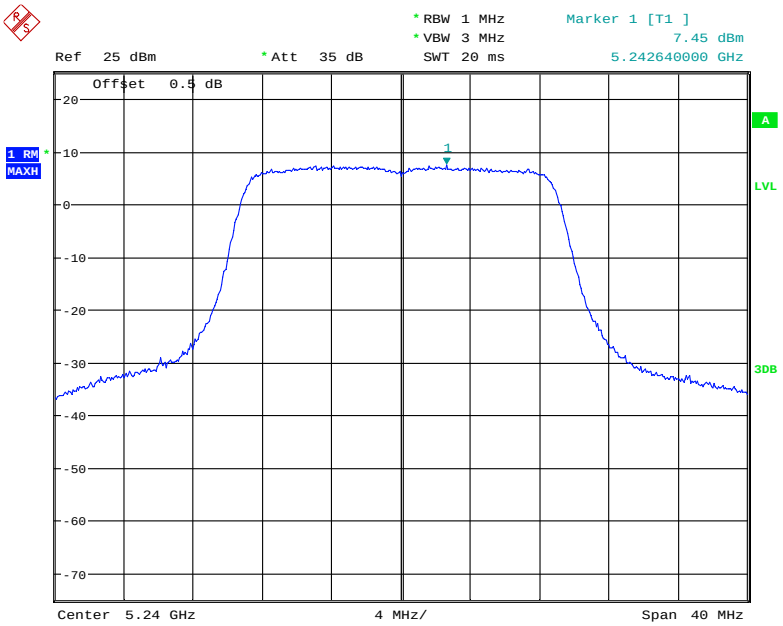

Date: 2.NOV.2017 19:43:28

## Chain 3, 802.11n ac20 Middle Channel



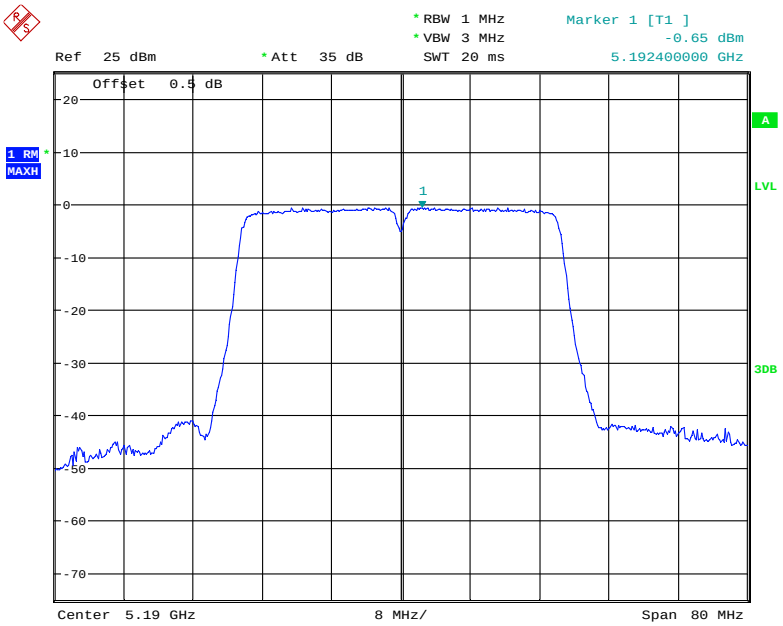

Date: 2.NOV.2017 19:44:56

## Chain 3, 802.11n ac20 High Channel



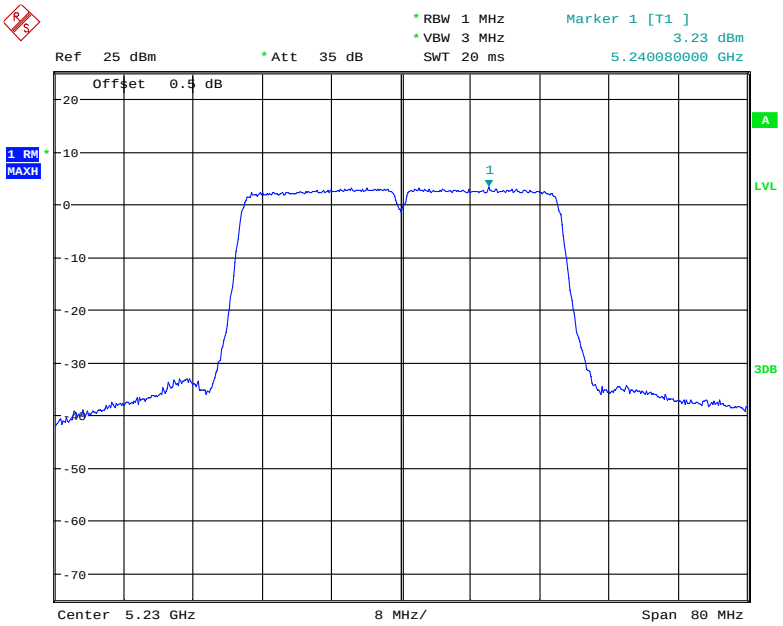

Date: 2.NOV.2017 19:45:34

## Chain 3, 802.11n ac40 Low Channel



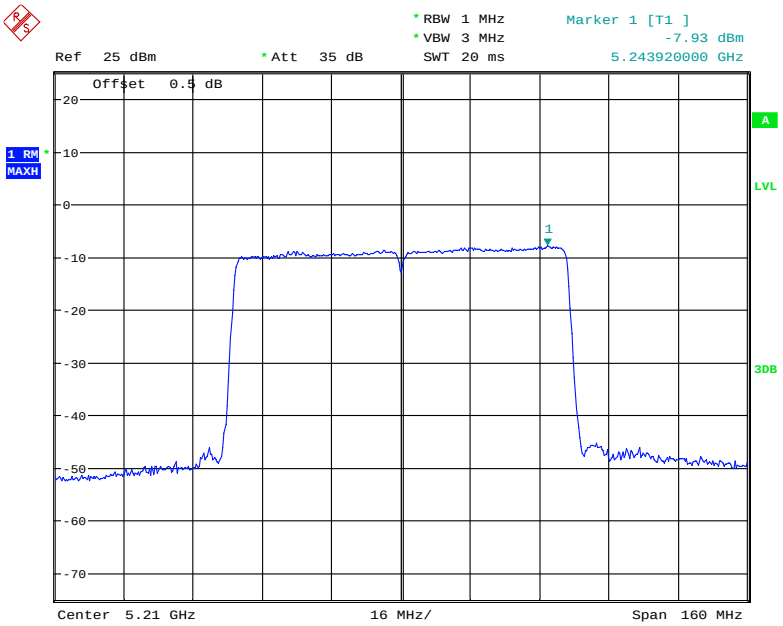

Date: 2.NOV.2017 22:21:17

## Chain 3, 802.11n ac40 High Channel




Date: 2.NOV.2017 22:18:52

## Chain 3, 802.11ac80 Middle Channel



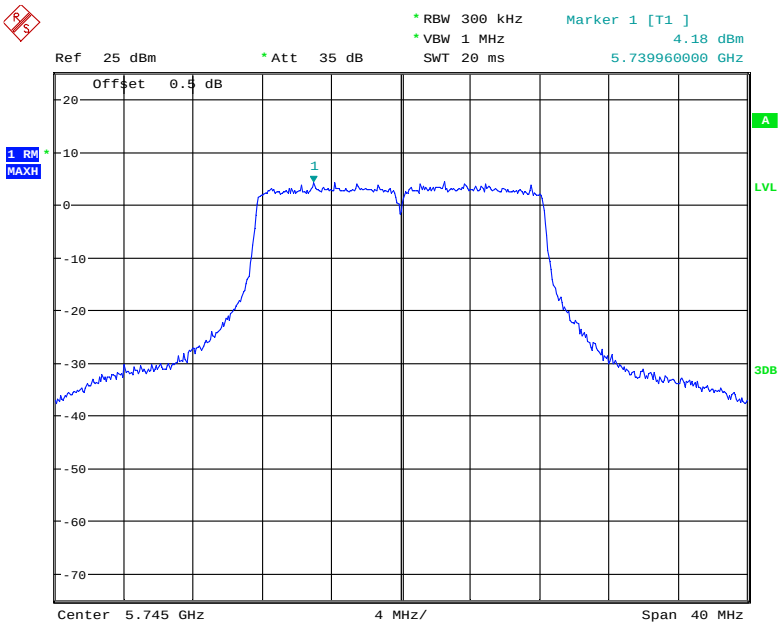

Date: 2.NOV.2017 22:35:01

**Radio 1, 5725-5850MHz: (4TX mode was tested since 4TX mode has the same power as other modes per chain, so 1TX mode was the worst case)**

**Non-beamforming 4TX:**

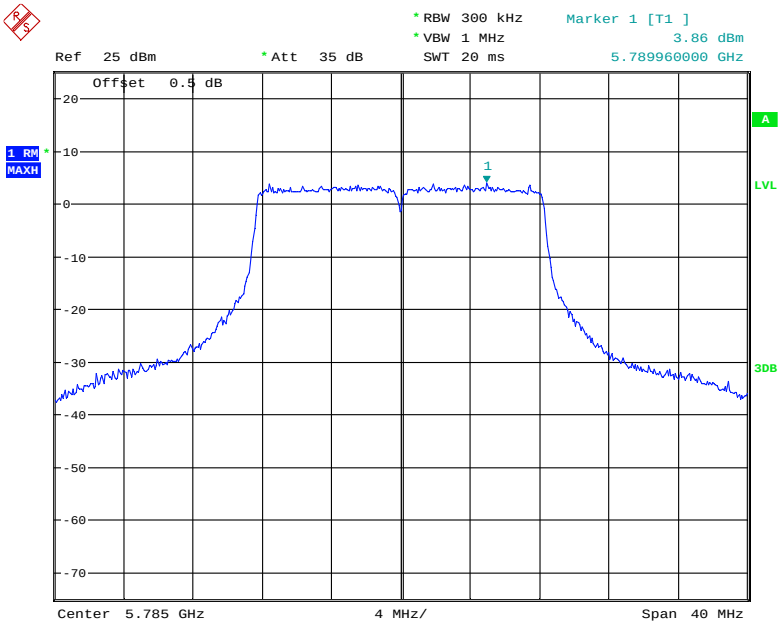
| Mode | Frequency (MHz) | Reading (dBm/300kHz) | | | | Power Spectral Density (dBm/500kHz) | | | | | Limits (dBm/ 500kHz) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | Chain 0 | Chain 1 | Chain 2 | Chain 3 | Total | |
| 802.11 a | 5745 | 4.14 | 4.73 | 4.9 | 5.18 | 6.36 | 6.95 | 7.12 | 7.4 | 12.99 | 30 |
| | 5785 | 4.12 | 4.73 | 4.75 | 4.23 | 6.34 | 6.95 | 6.97 | 6.45 | 12.71 | |
| | 5825 | 4.78 | 4.62 | 4.53 | 4.15 | 7 | 6.84 | 6.75 | 6.37 | 12.77 | |
| 802.11 ht20 | 5745 | 5.39 | 5.59 | 4.89 | 4.32 | 7.61 | 7.81 | 7.11 | 6.54 | 13.32 | |
| | 5785 | 4.51 | 5.04 | 4.98 | 4.57 | 6.73 | 7.26 | 7.2 | 6.79 | 13.02 | |
| | 5825 | 4.31 | 4.55 | 5.06 | 4.35 | 6.53 | 6.77 | 7.28 | 6.57 | 12.82 | |
| 802.11 ht40 | 5755 | 0.42 | 0.71 | -0.17 | -0.78 | 2.64 | 2.93 | 2.05 | 1.44 | 8.32 | |
| | 5795 | 0.29 | 0.32 | -0.15 | -0.02 | 2.51 | 2.54 | 2.07 | 2.2 | 8.36 | |
| 802.11 ac20 | 5745 | 4.39 | 5.08 | 4.65 | 3.94 | 6.61 | 7.3 | 6.87 | 6.16 | 12.78 | |
| | 5785 | 4.63 | 4.8 | 4.42 | 3.56 | 6.85 | 7.02 | 6.64 | 5.78 | 12.62 | |
| | 5825 | 4.83 | 4.54 | 4.18 | 4.74 | 7.05 | 6.76 | 6.4 | 6.96 | 12.82 | |
| 802.11 ac40 | 5755 | 0.81 | 0.09 | 0.64 | 0.29 | 3.03 | 2.31 | 2.86 | 2.51 | 8.71 | |
| | 5795 | -0.14 | 1.25 | -0.12 | -0.03 | 2.08 | 3.47 | 2.1 | 2.19 | 8.52 | |
| 802.11 ac80 | 5775 | -4.13 | -3.57 | -3.51 | -4.26 | -1.91 | -1.35 | -1.29 | -2.04 | 4.39 | |

## Chain 0, 802.11a Low Channel



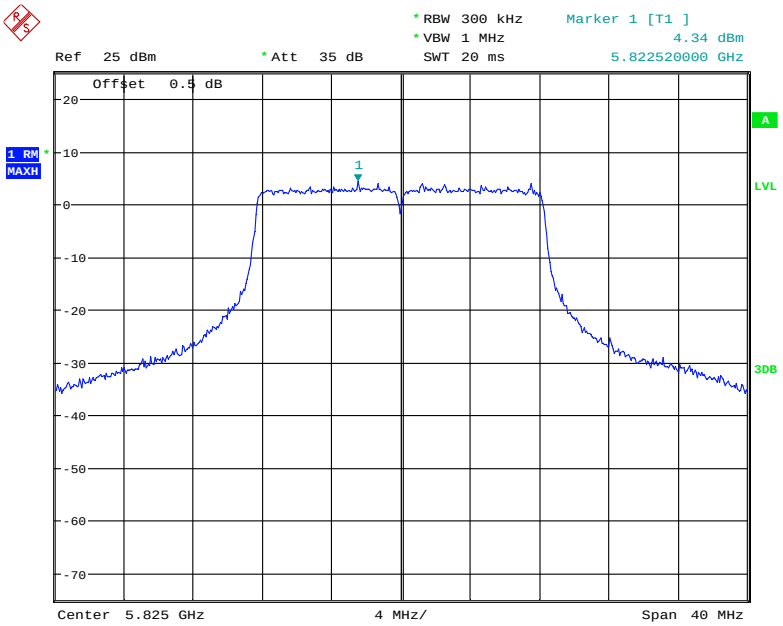

Date: 2.NOV.2017 17:50:50

## Chain 0, 802.11a Middle Channel



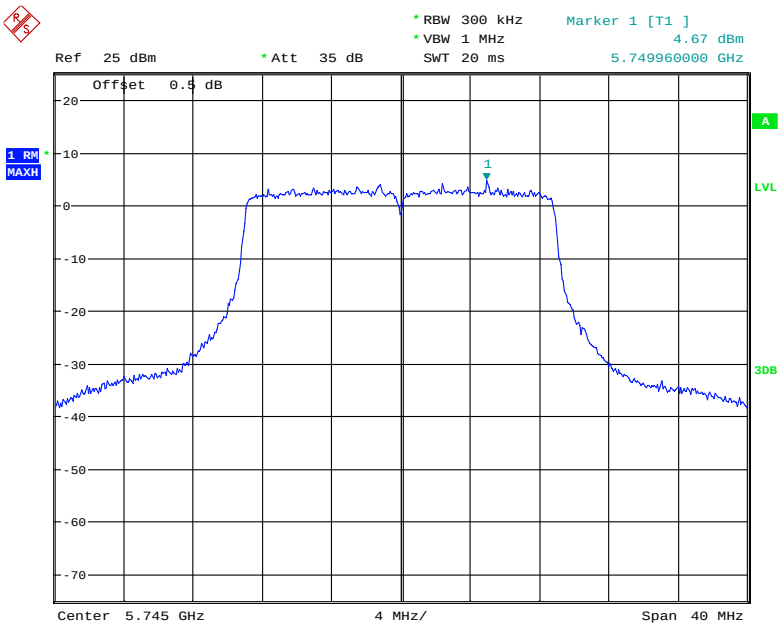

Date: 2.NOV.2017 17:50:10

## Chain 0, 802.11a High Channel



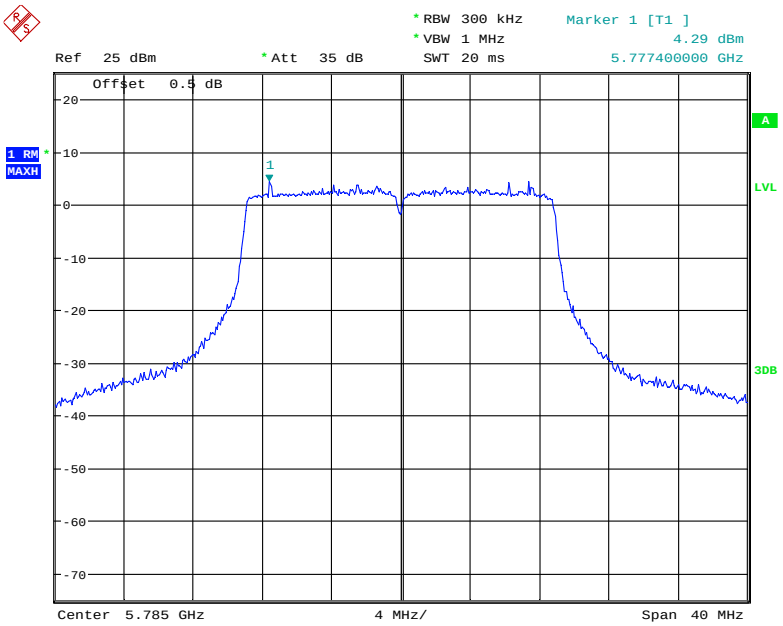

Date: 2.NOV.2017 17:48:53

## Chain 0, 802.11n ht20 Low Channel



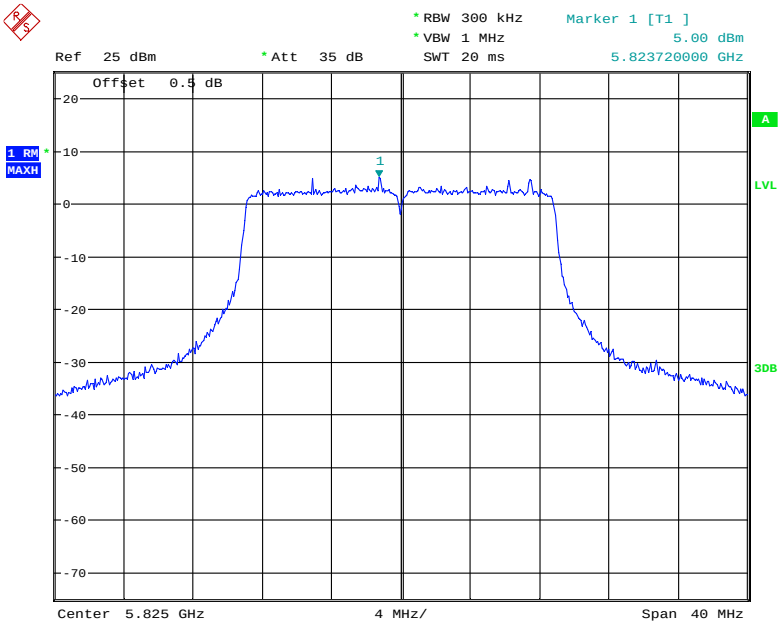

Date: 2.NOV.2017 17:55:10

## Chain 0, 802.11n ht20 Middle Channel



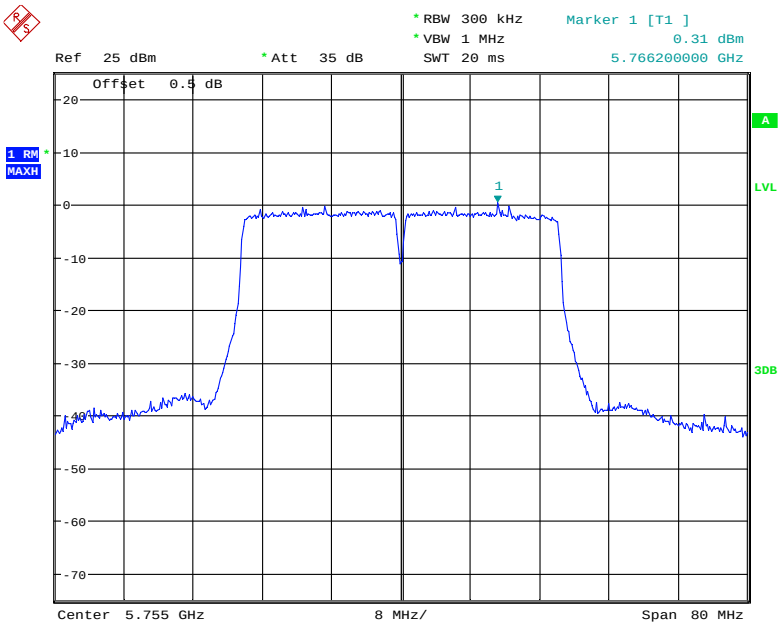

Date: 2.NOV.2017 17:56:09

## Chain 0, 802.11n ht20 High Channel



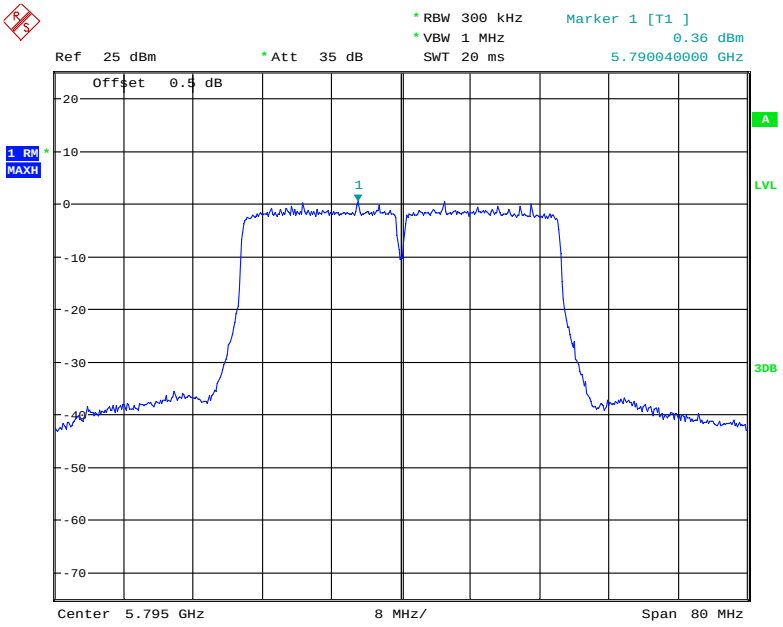

Date: 2.NOV.2017 17:56:53

## Chain 0, 802.11n ht40 Low Channel



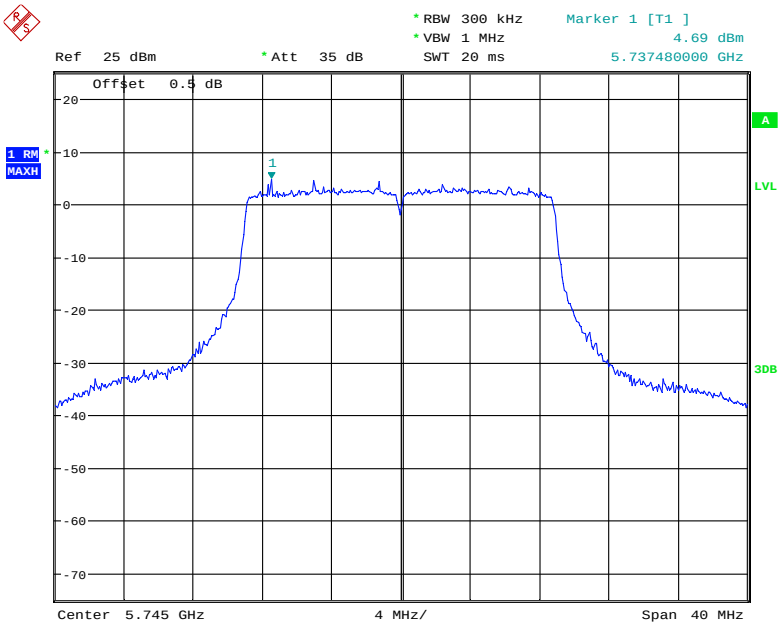

Date: 2.NOV.2017 21:09:16

## Chain 0, 802.11n ht40 High Channel



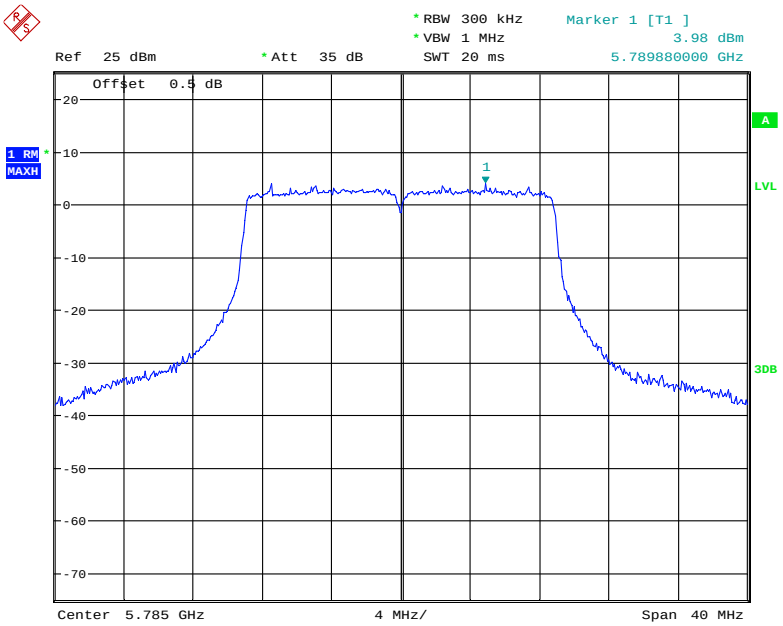

Date: 2.NOV.2017 21:10:26

## Chain 0, 802.11n ac20 Low Channel



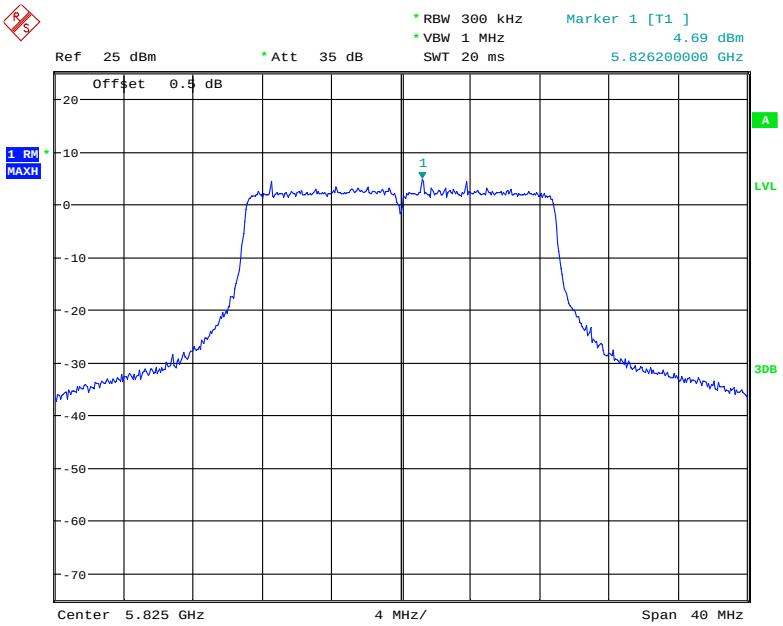

Date: 2.NOV.2017 20:25:37

## Chain 0, 802.11n ac20 Middle Channel



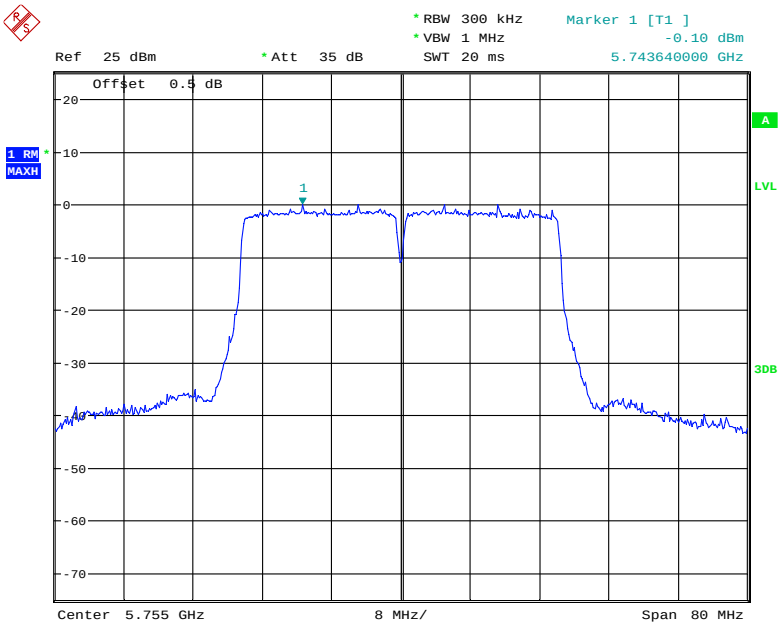

Date: 2.NOV.2017 20:25:00

## Chain 0, 802.11n ac20 High Channel



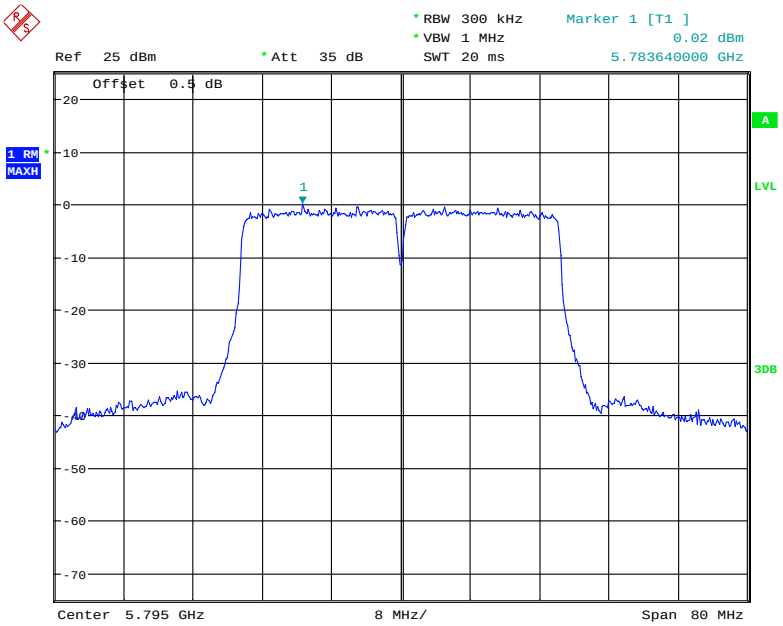

Date: 2.NOV.2017 20:24:05

## Chain 0, 802.11n ac40 Low Channel



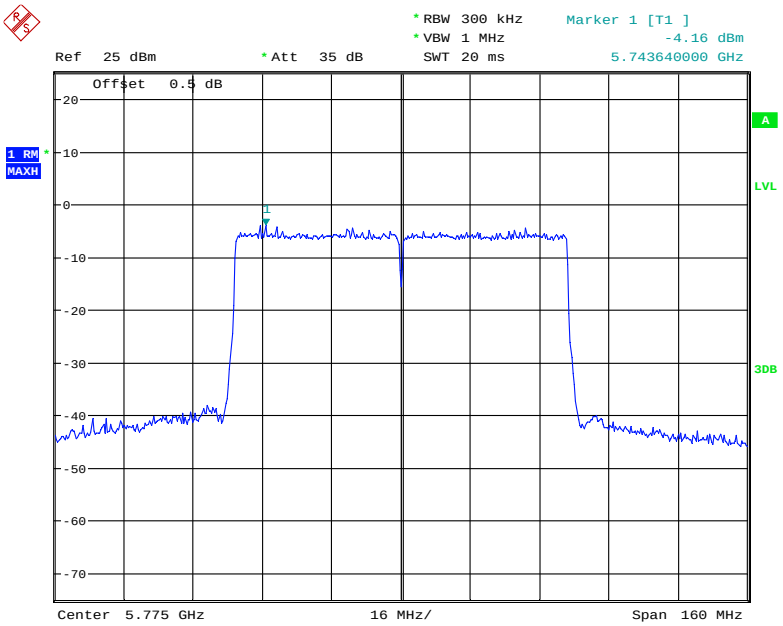

Date: 2.NOV.2017 21:33:21

## Chain 0, 802.11n ac40 High Channel



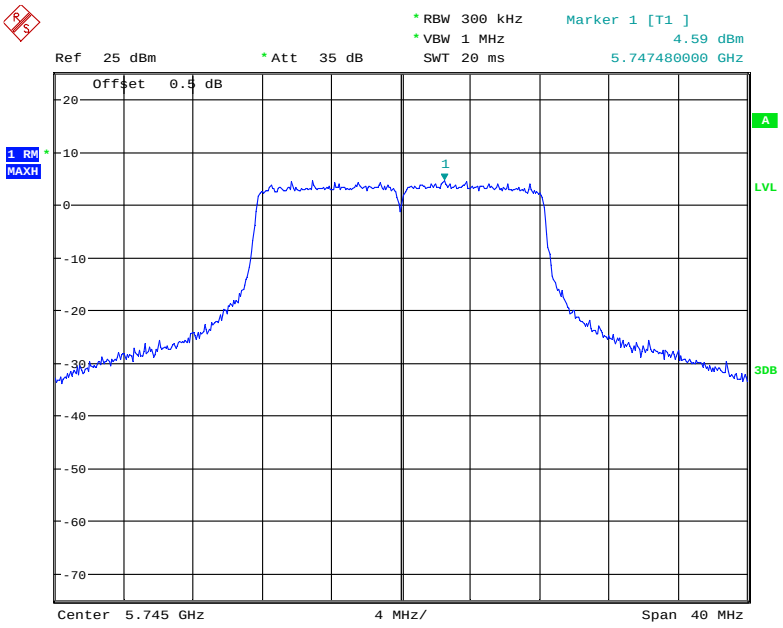

Date: 2.NOV.2017 21:32:20

## Chain 0, 802.11ac80 Middle Channel



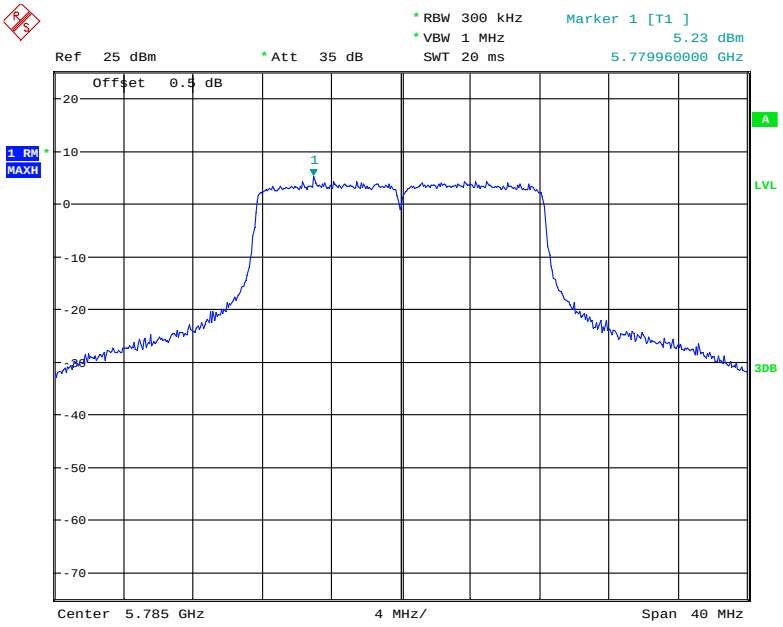

Date: 2.NOV.2017 23:12:12

## Chain 1, 802.11a Low Channel



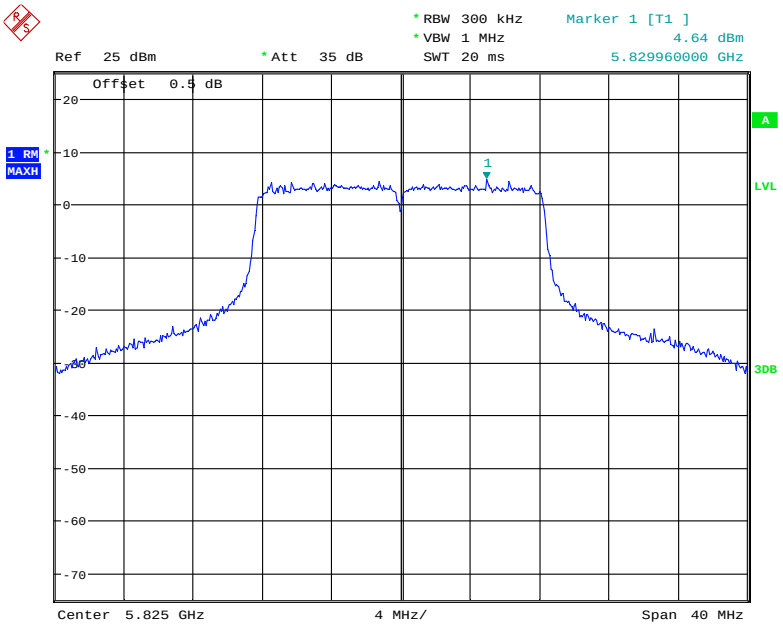

Date: 2.NOV.2017 17:46:07

## Chain 1, 802.11a Middle Channel



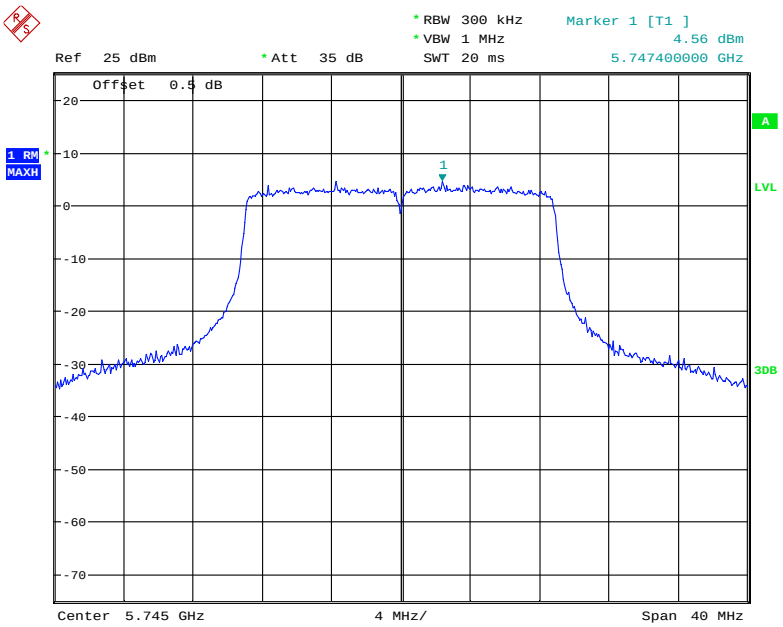

Date: 2.NOV.2017 17:47:02

## Chain 1, 802.11a High Channel



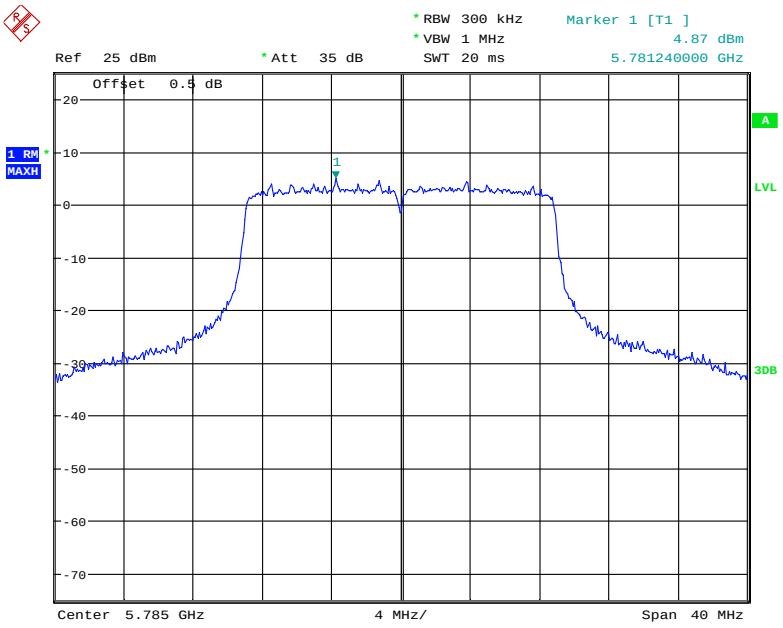

Date: 2.NOV.2017 17:47:51

## Chain 1, 802.11n ht20 Low Channel



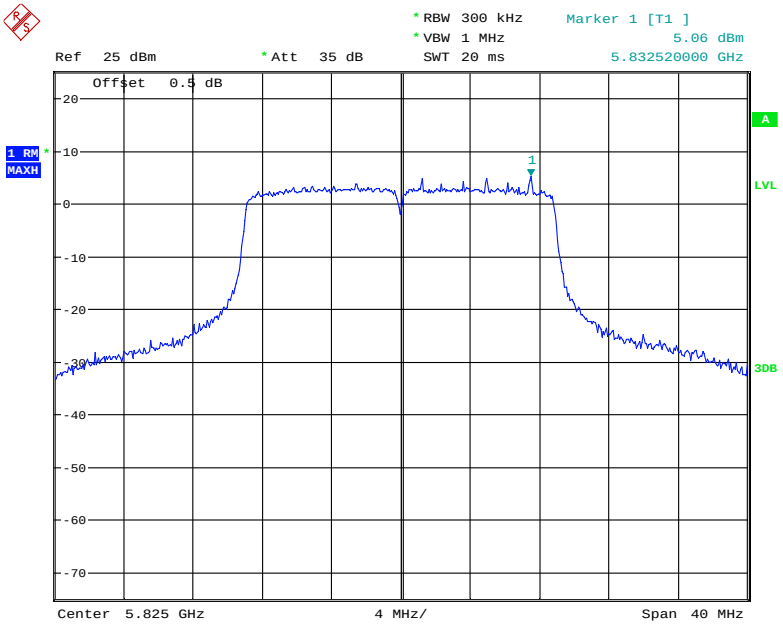

Date: 2.NOV.2017 18:00:59

## Chain 1, 802.11n ht20 Middle Channel



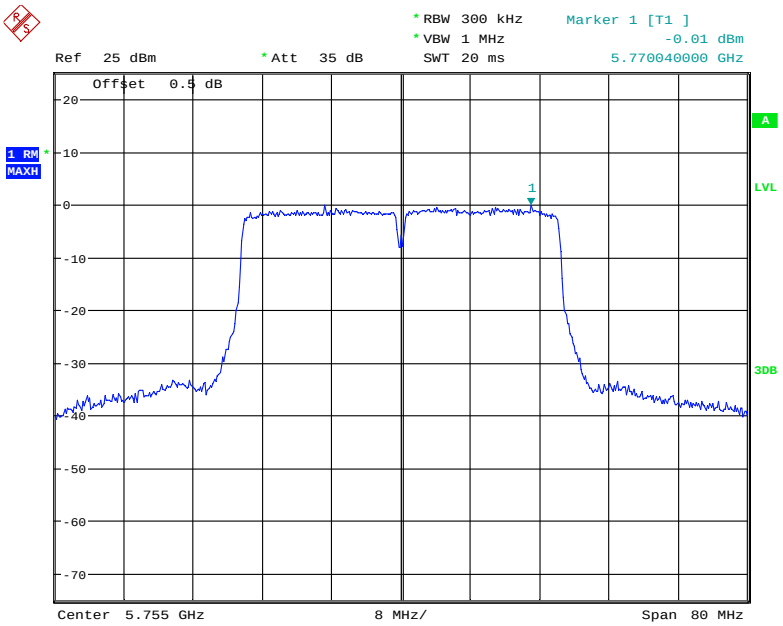

Date: 2.NOV.2017 17:59:23

## Chain 1, 802.11n ht20 High Channel



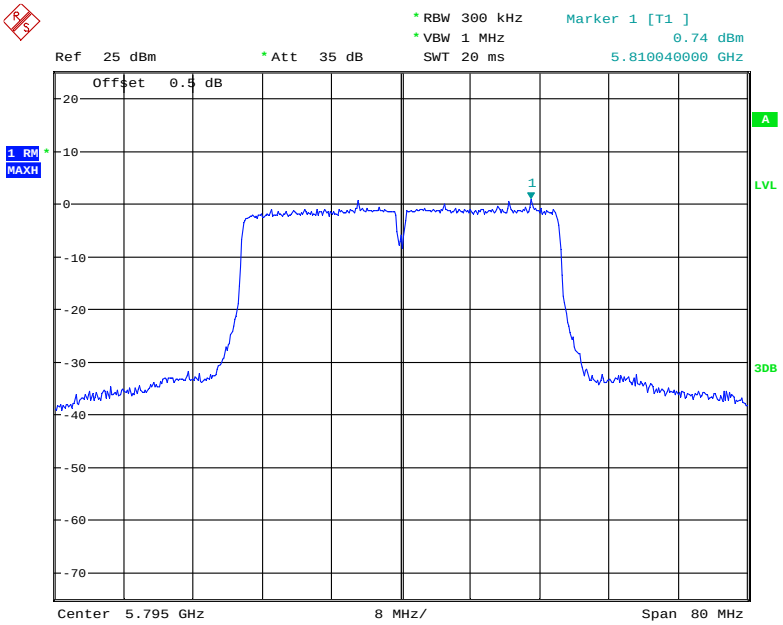

Date: 2.NOV.2017 17:58:14

## Chain 1, 802.11n ht40 Low Channel



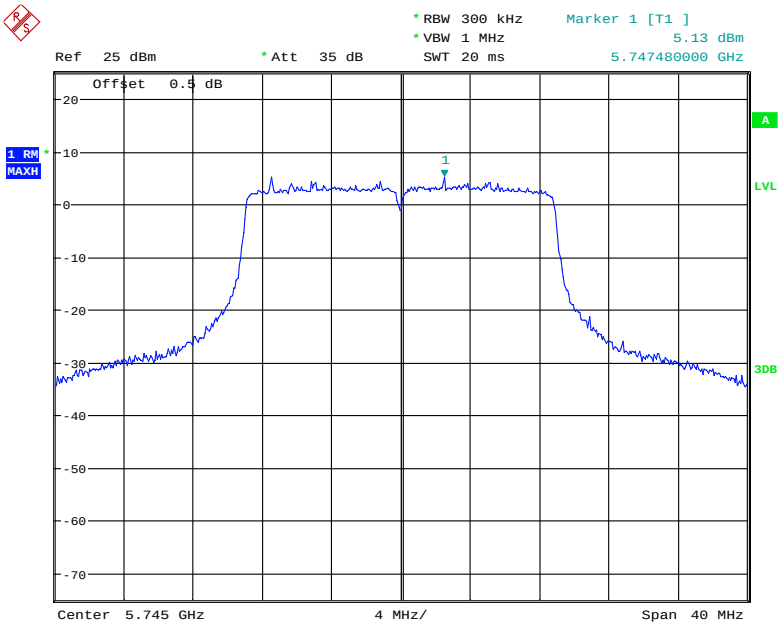

Date: 2.NOV.2017 21:12:39

## Chain 1, 802.11n ht40 High Channel



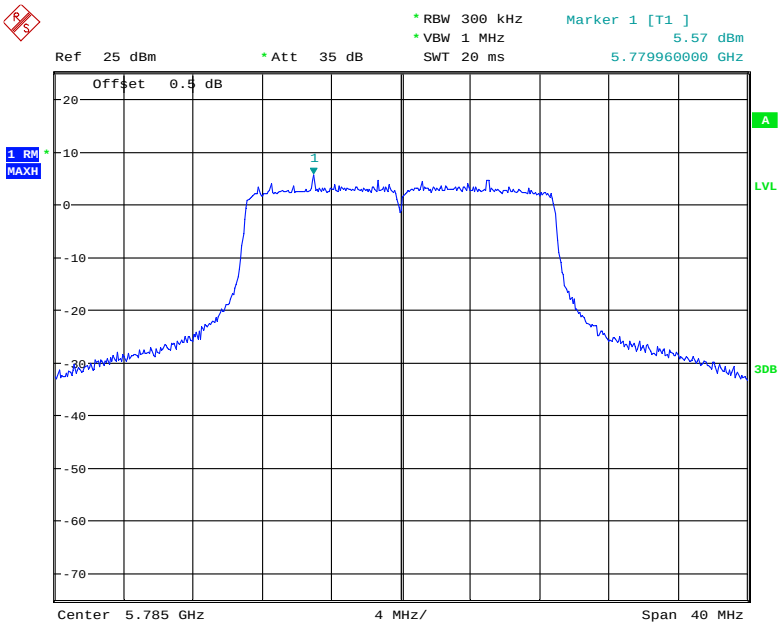

Date: 2.NOV.2017 21:11:31

## Chain 1, 802.11n ac20 Low Channel



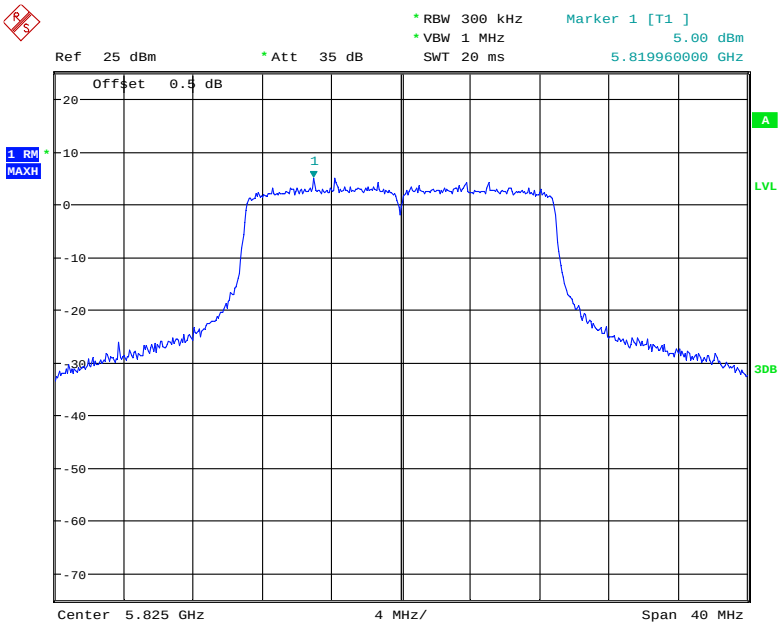

Date: 2.NOV.2017 20:20:59

## Chain 1, 802.11n ac20 Middle Channel



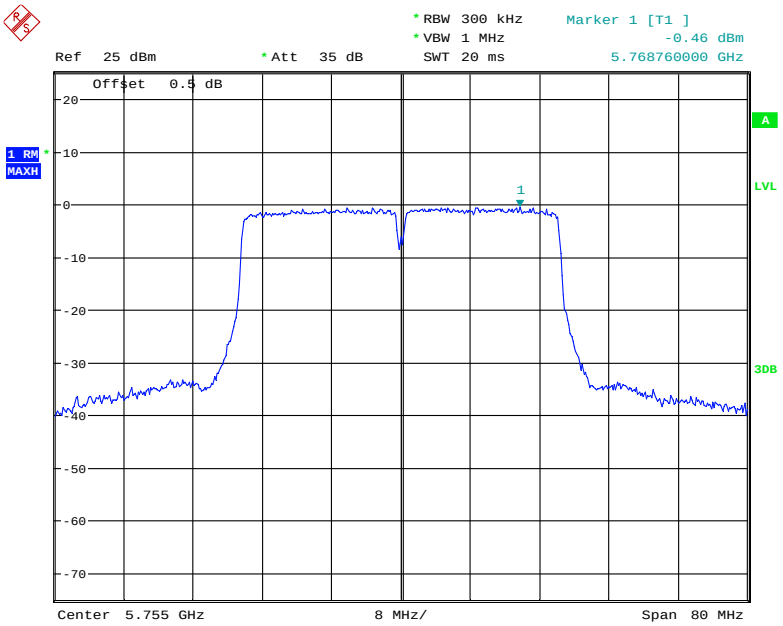

Date: 2.NOV.2017 20:22:11

## Chain 1, 802.11n ac20 High Channel



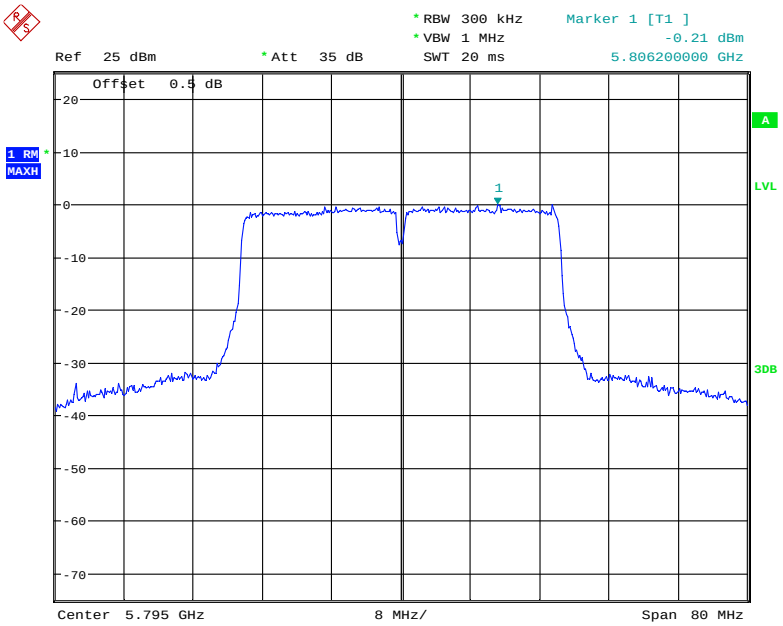

Date: 2.NOV.2017 20:22:56

## Chain 1, 802.11n ac40 Low Channel



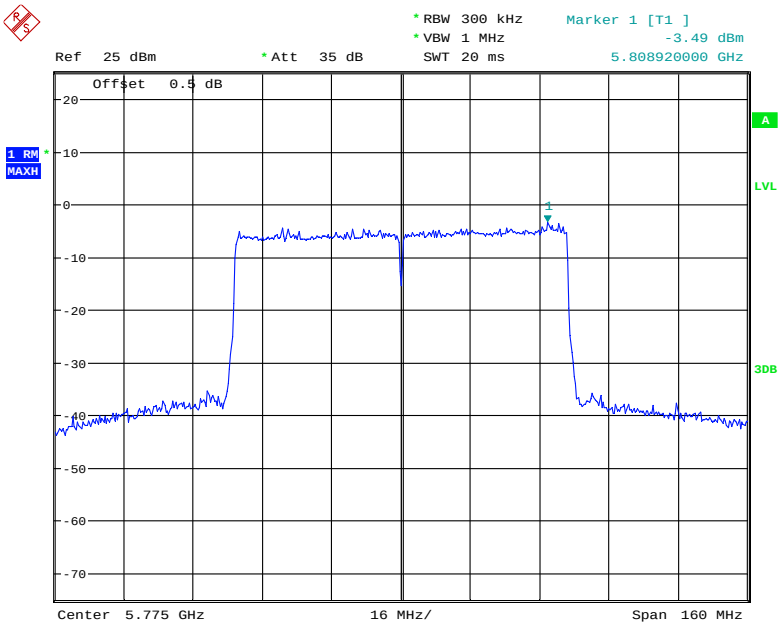

Date: 2.NOV.2017 21:30:18

## Chain 1, 802.11n ac40 High Channel



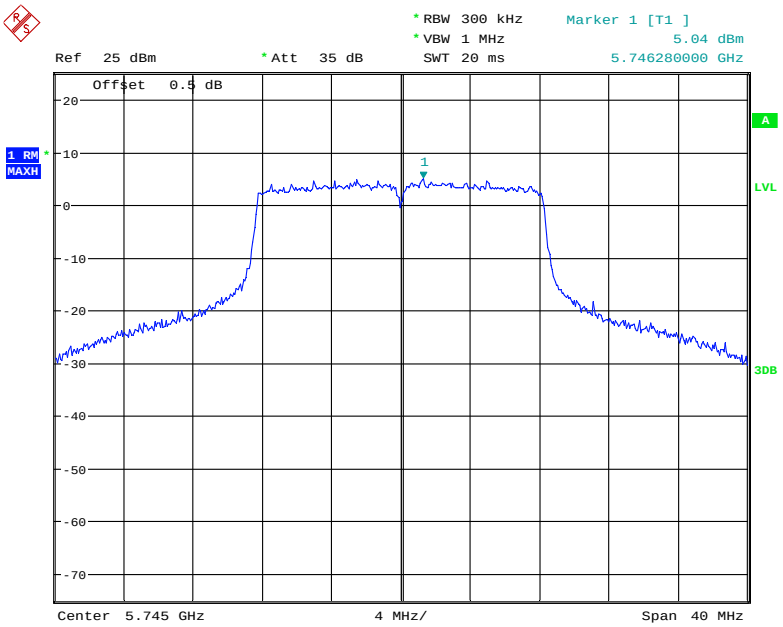

Date: 2.NOV.2017 21:31:15

## Chain 1, 802.11ac80 Middle Channel



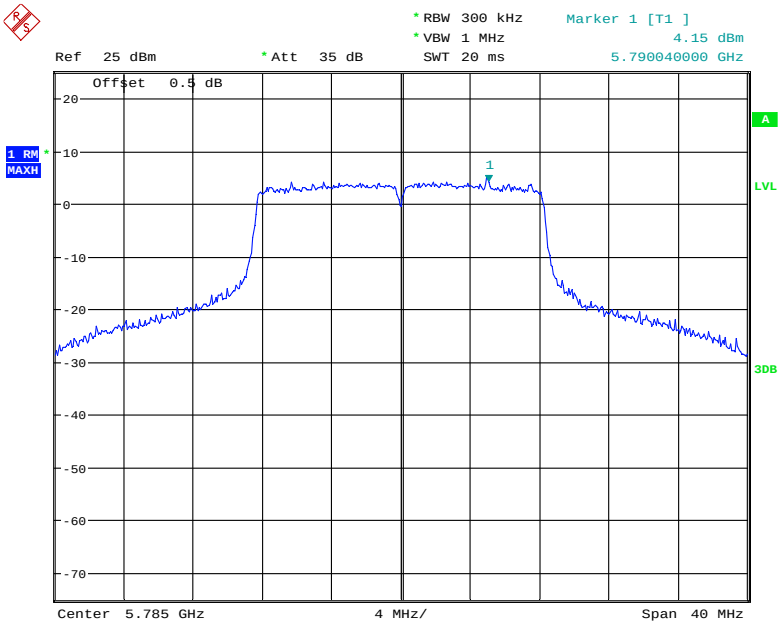

Date: 2.NOV.2017 23:14:21

## Chain 2, 802.11a Low Channel



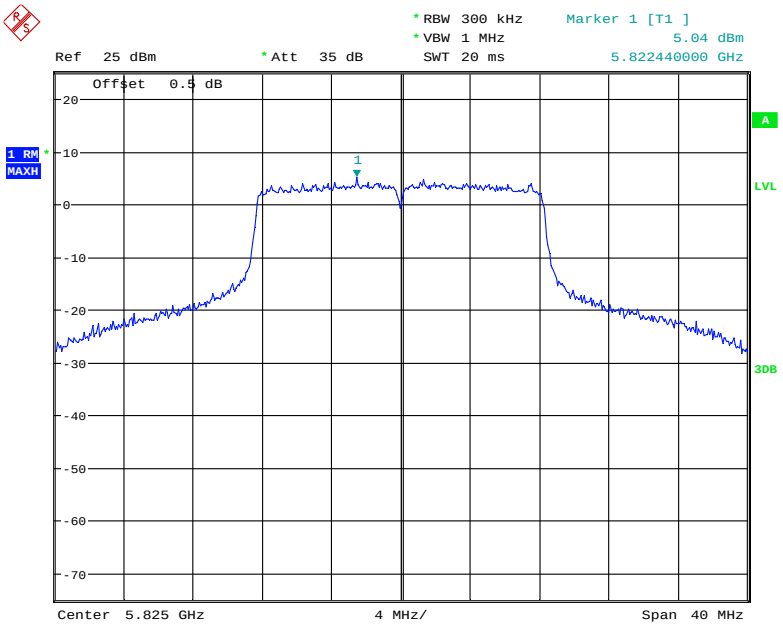

Date: 2.NOV.2017 17:44:47

## Chain 2, 802.11a Middle Channel



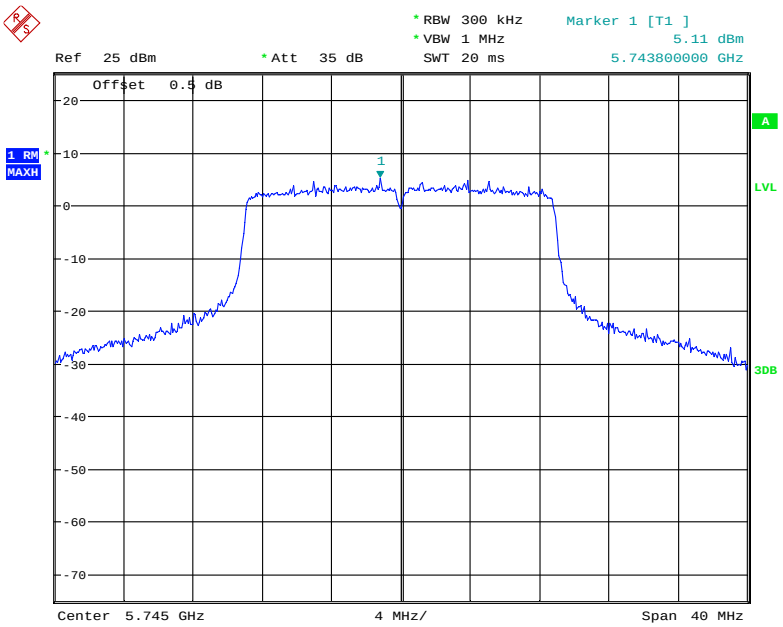

Date: 2.NOV.2017 17:44:02

## Chain 2, 802.11a High Channel



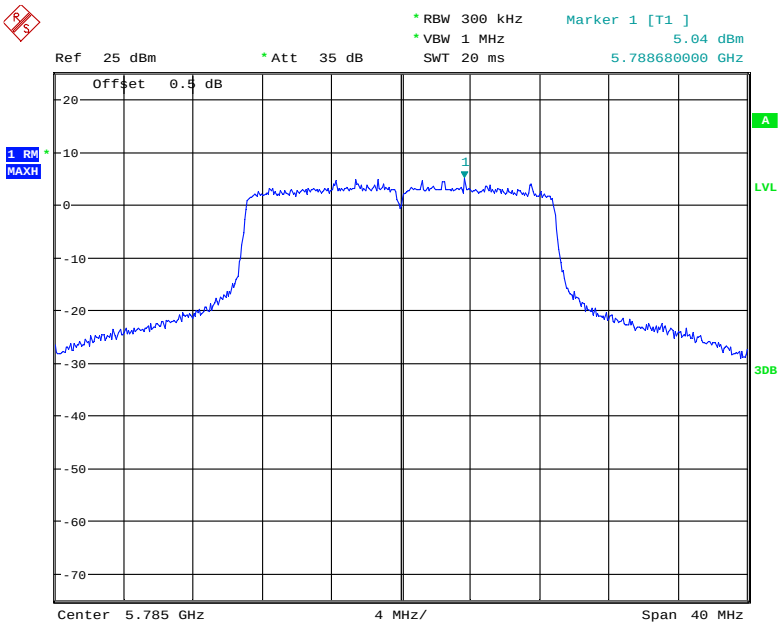

Date: 2.NOV.2017 17:42:46

## Chain 2, 802.11n ht20 Low Channel



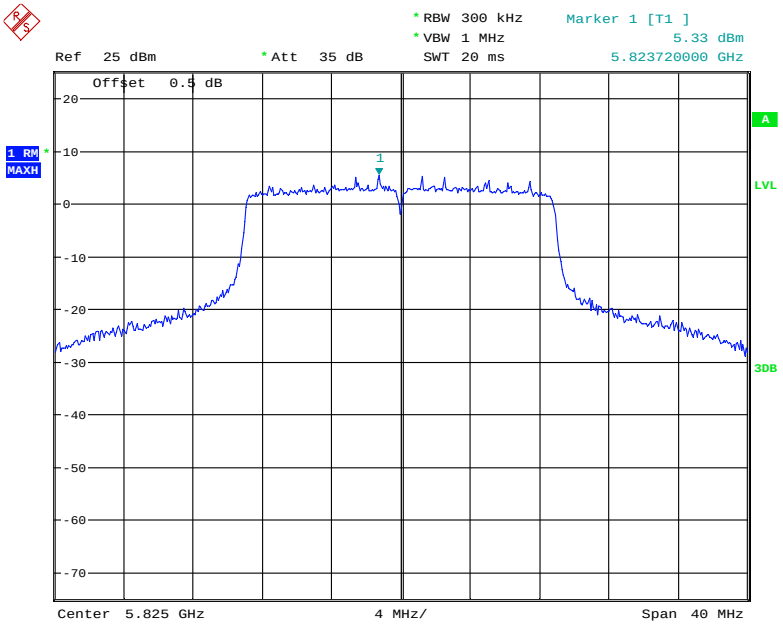

Date: 2.NOV.2017 18:01:55

## Chain 2, 802.11n ht20 Middle Channel



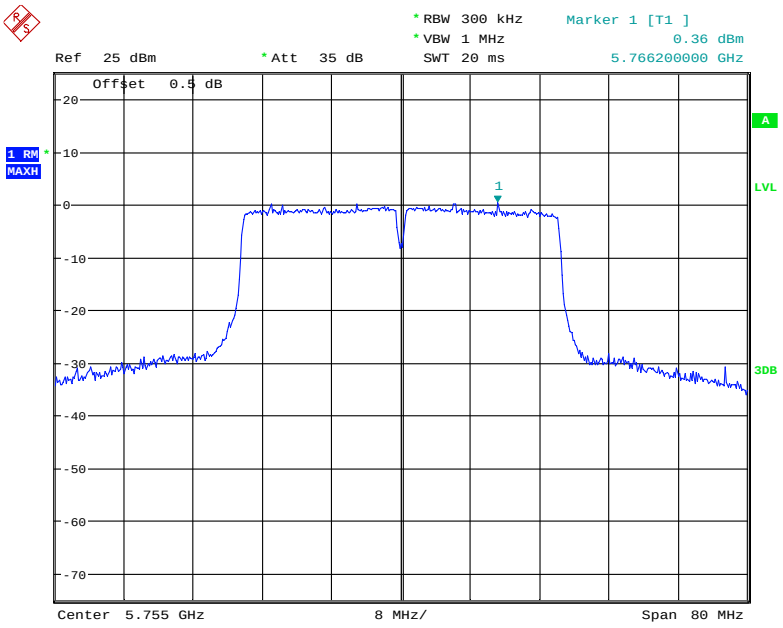

Date: 2.NOV.2017 18:02:49

## Chain 2, 802.11n ht20 High Channel



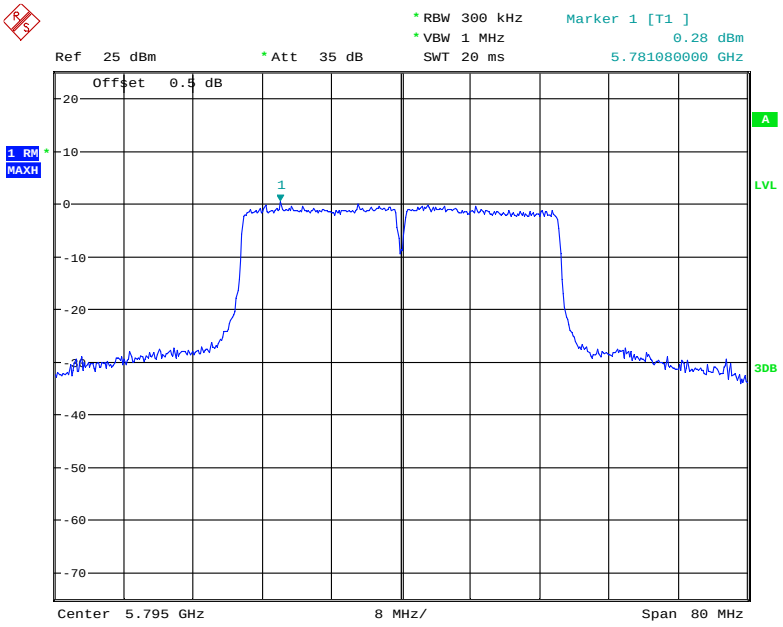

Date: 2.NOV.2017 18:03:17

## Chain 2, 802.11n ht40 Low Channel



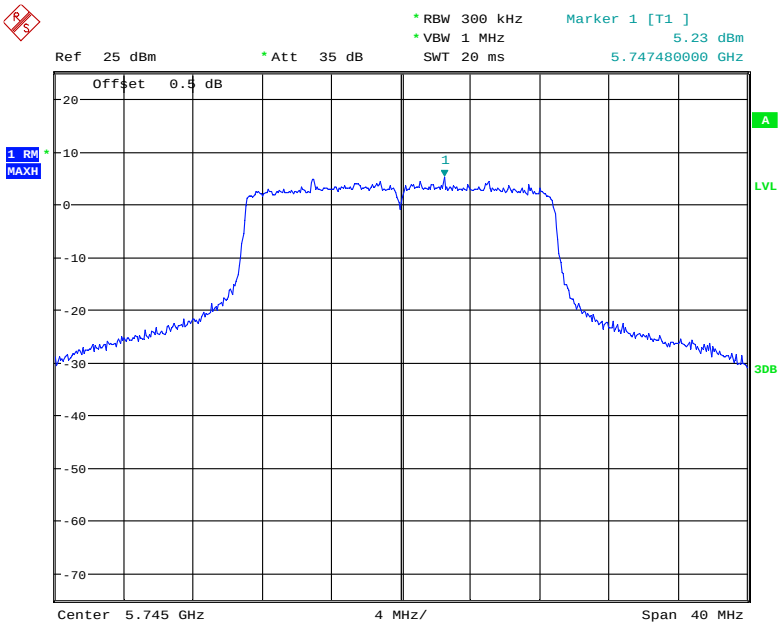

Date: 2.NOV.2017 21:24:06

## Chain 2, 802.11n ht40 High Channel



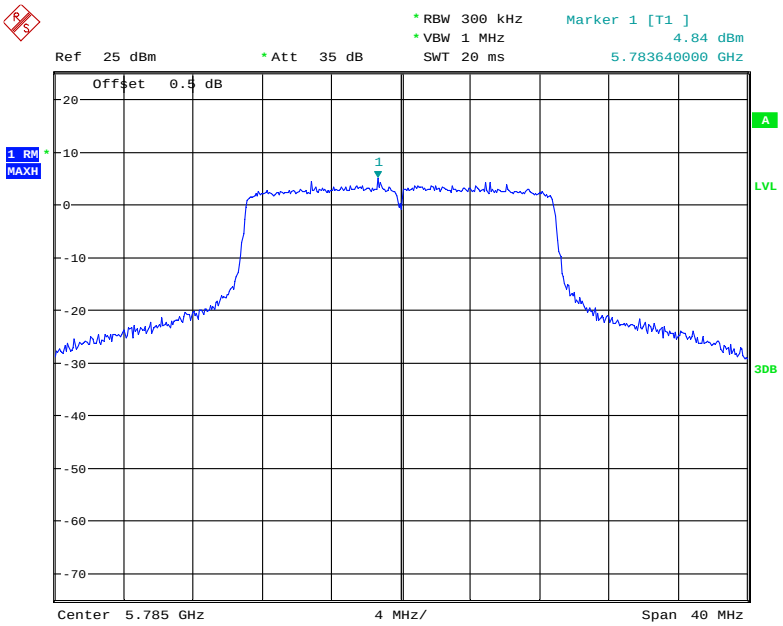

Date: 2.NOV.2017 21:15:47

## Chain 2, 802.11n ac20 Low Channel



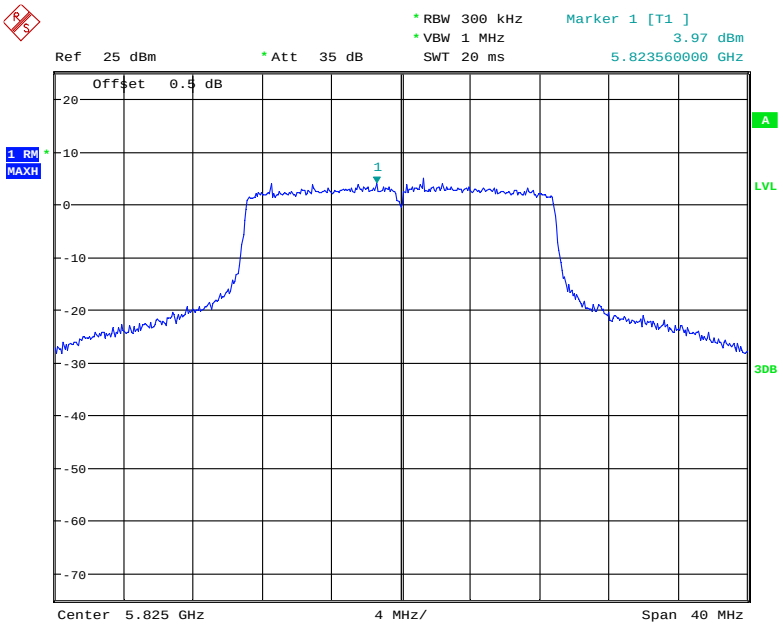

Date: 2.NOV.2017 20:19:54

## Chain 2, 802.11n ac20 Middle Channel



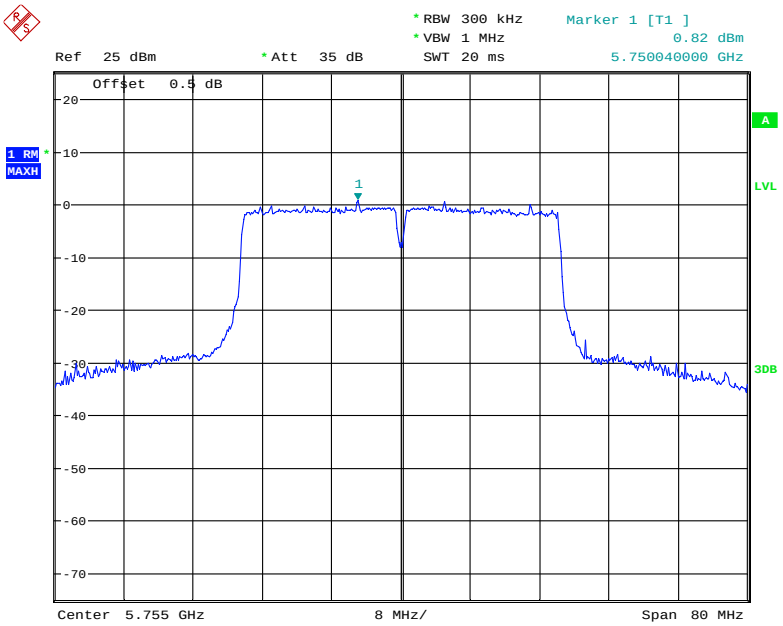

Date: 2.NOV.2017 20:19:24

## Chain 2, 802.11n ac20 High Channel



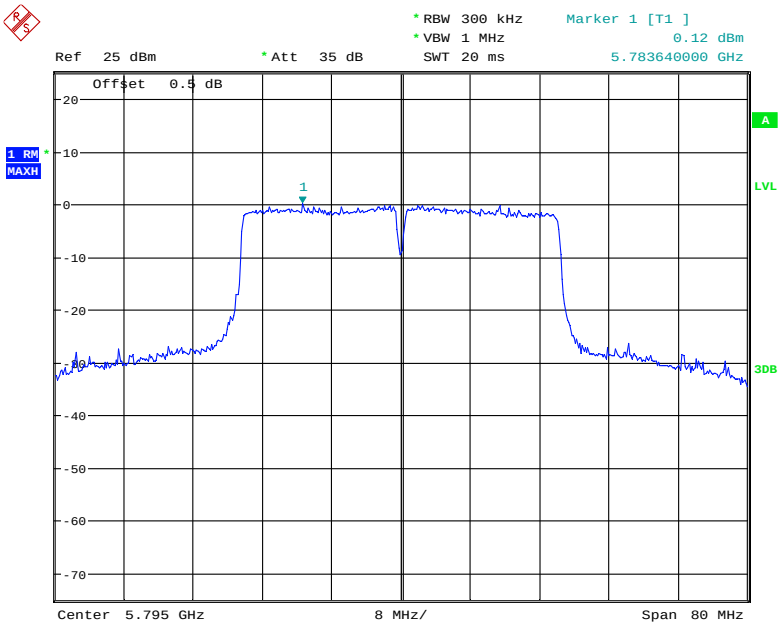

Date: 2.NOV.2017 20:18:31

## Chain 2, 802.11n ac40 Low Channel



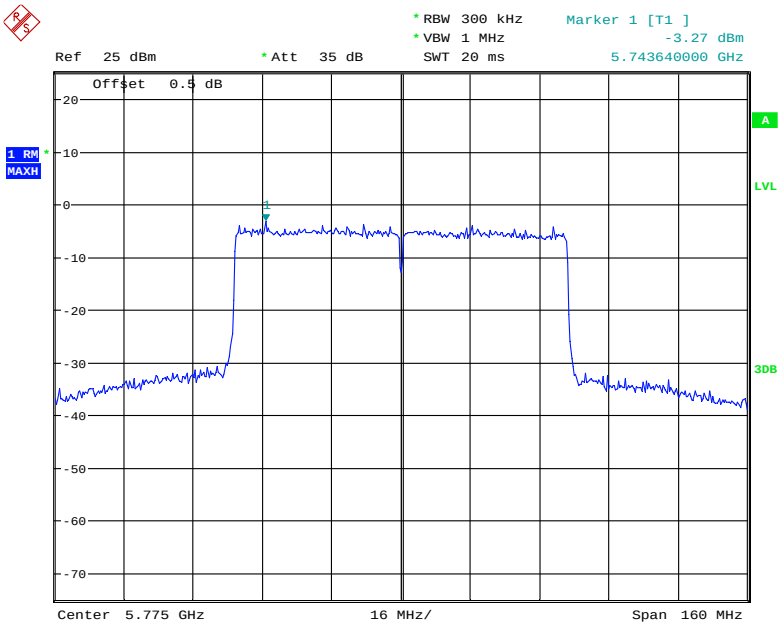

Date: 2.NOV.2017 21:29:20

## Chain 2, 802.11n ac40 High Channel




Date: 2.NOV.2017 21:27:51

## Chain 2, 802.11ac80 Middle Channel

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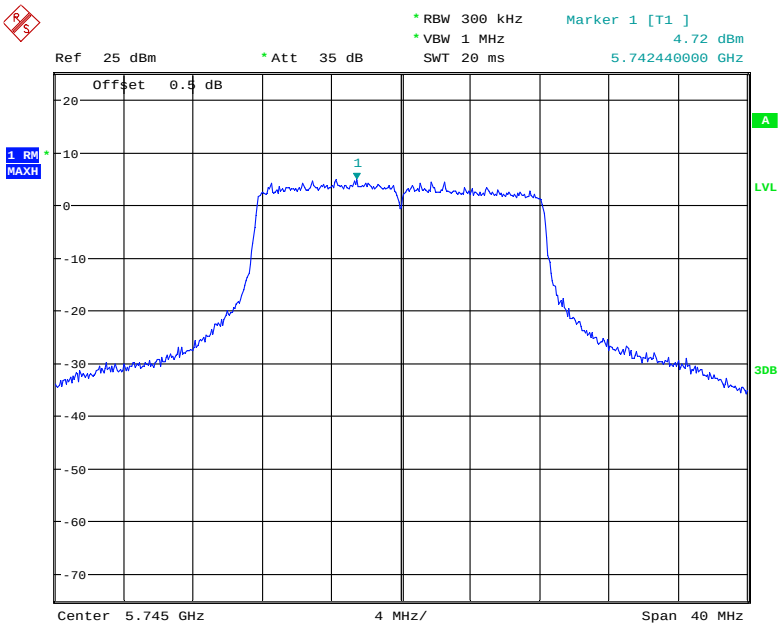
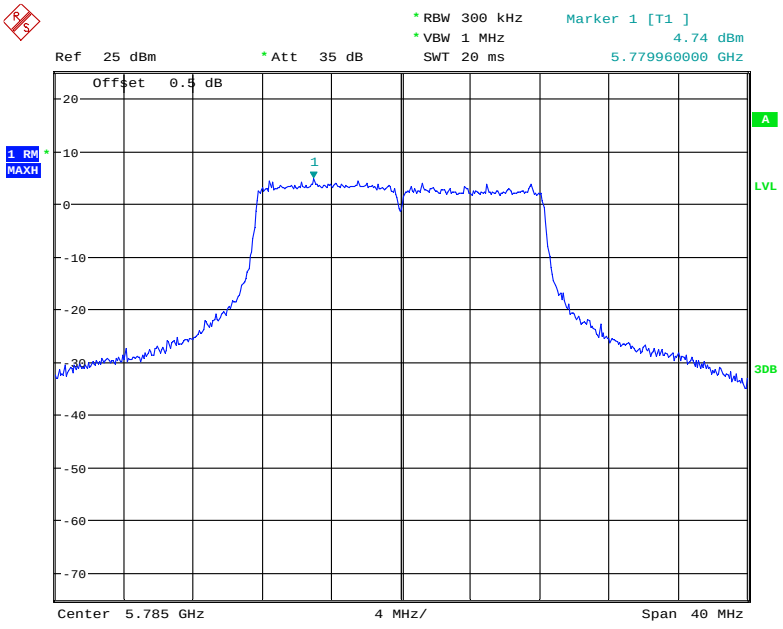
## Chain 3, 802.11a Low Channel



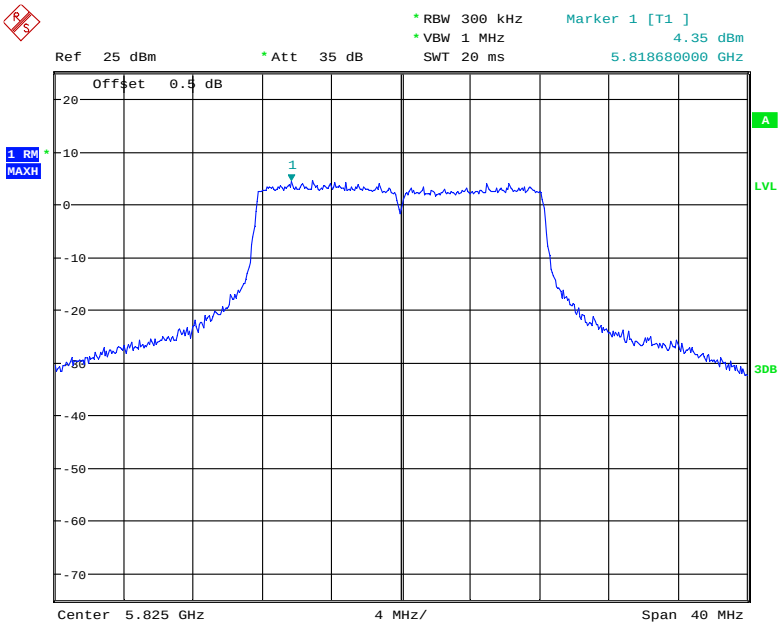

Date: 2.NOV.2017 17:38:17

## Chain 3, 802.11a Middle Channel



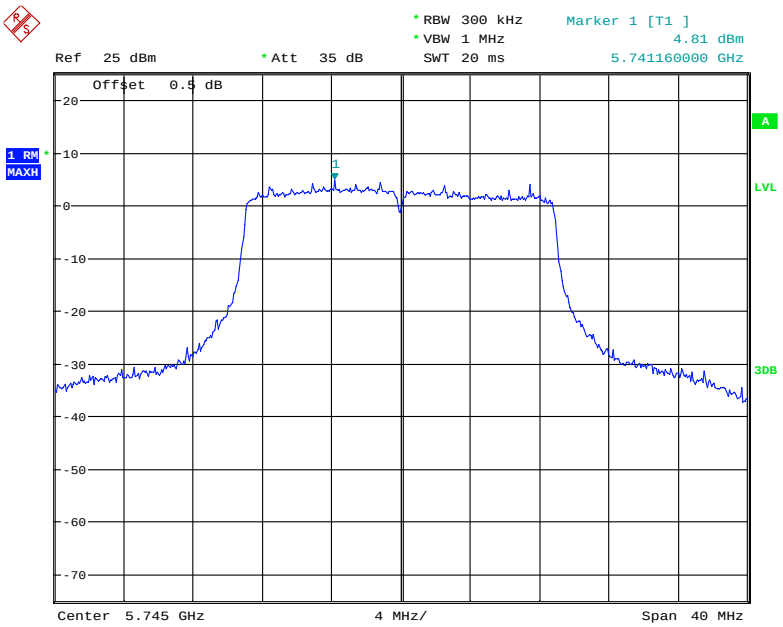

Date: 2.NOV.2017 17:39:25

## Chain 3, 802.11a High Channel



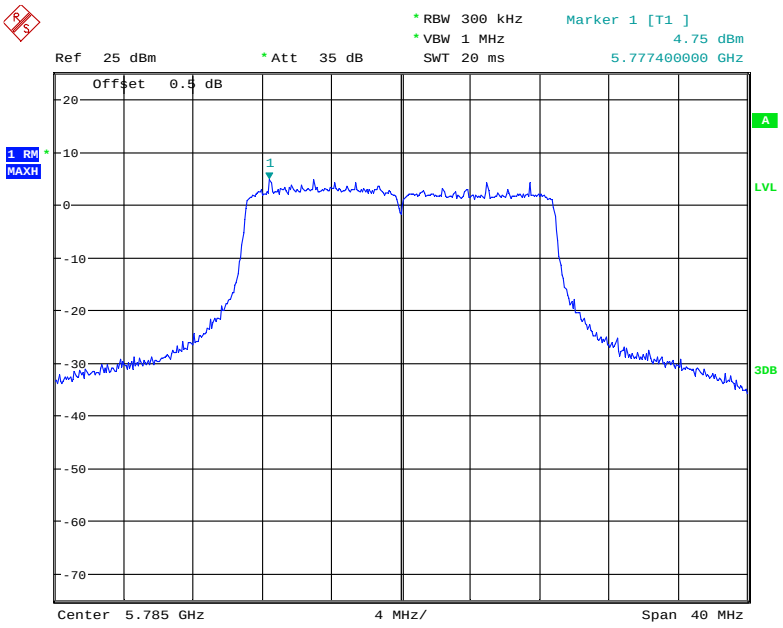

Date: 2.NOV.2017 17:40:58

## Chain 3, 802.11n ht20 Low Channel



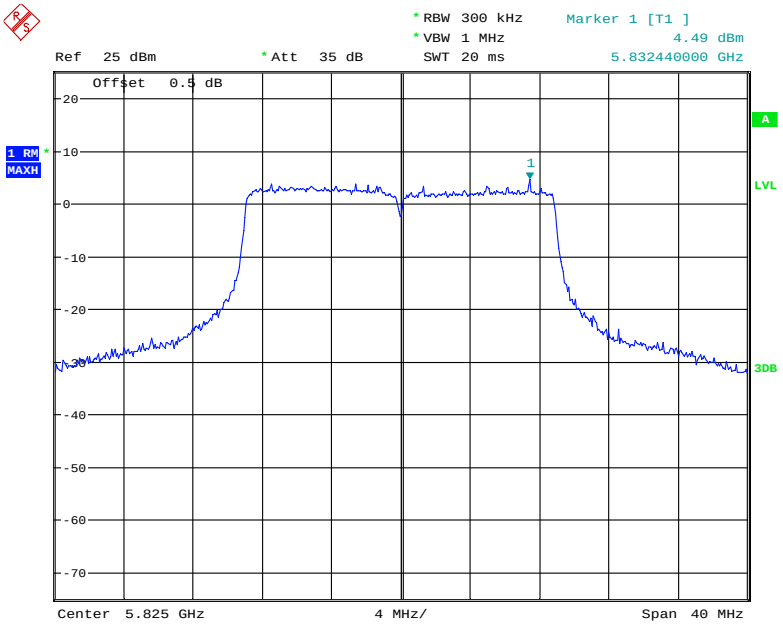

Date: 2.NOV.2017 18:06:51

## Chain 3, 802.11n ht20 Middle Channel



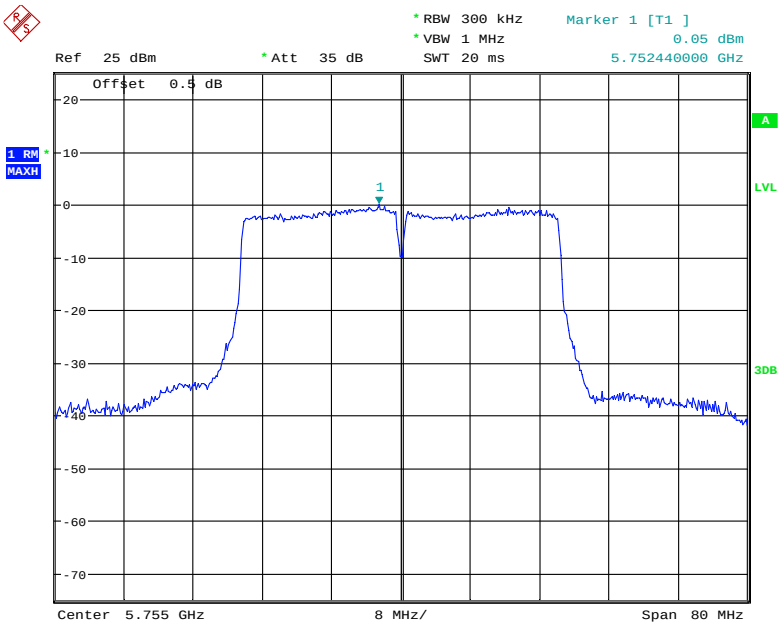

Date: 2.NOV.2017 18:05:49

## Chain 3, 802.11n ht20 High Channel



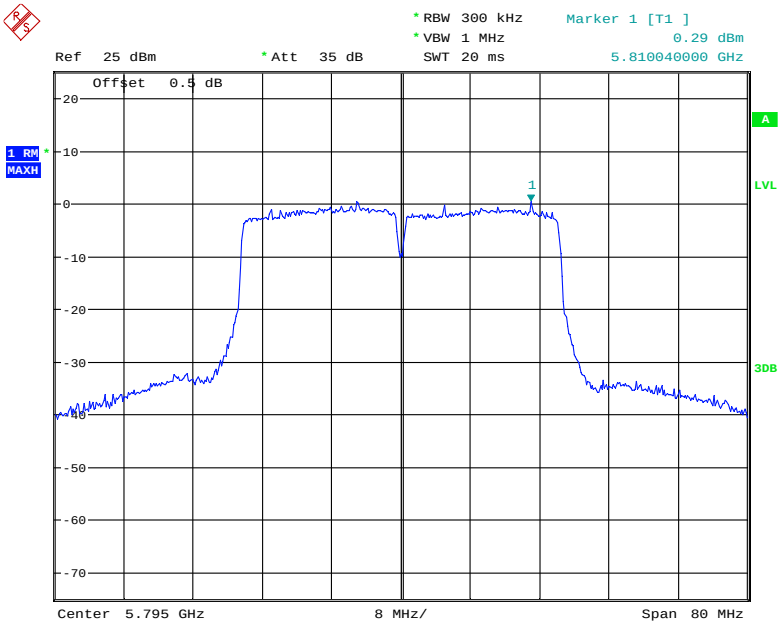

Date: 2.NOV.2017 18:04:18

## Chain 3, 802.11n ht40 Low Channel



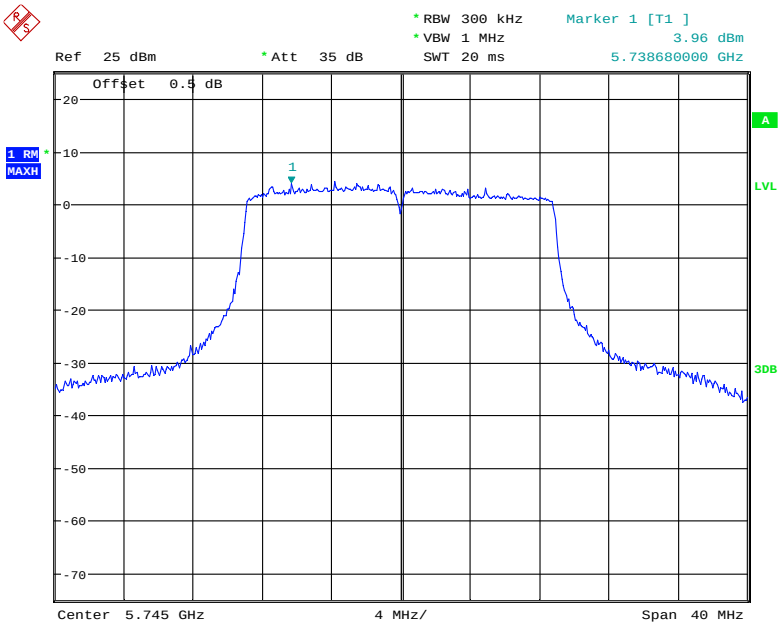

Date: 2.NOV.2017 21:19:40

## Chain 3, 802.11n ht40 High Channel



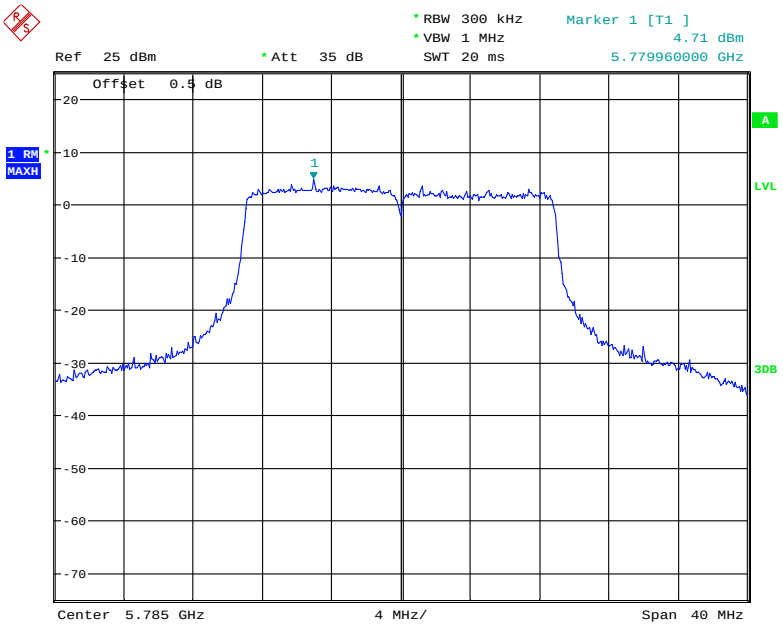

Date: 2.NOV.2017 21:18:33

## Chain 3, 802.11n ac20 Low Channel




Date: 2.NOV.2017 20:15:38

## Chain 3, 802.11n ac20 Middle Channel

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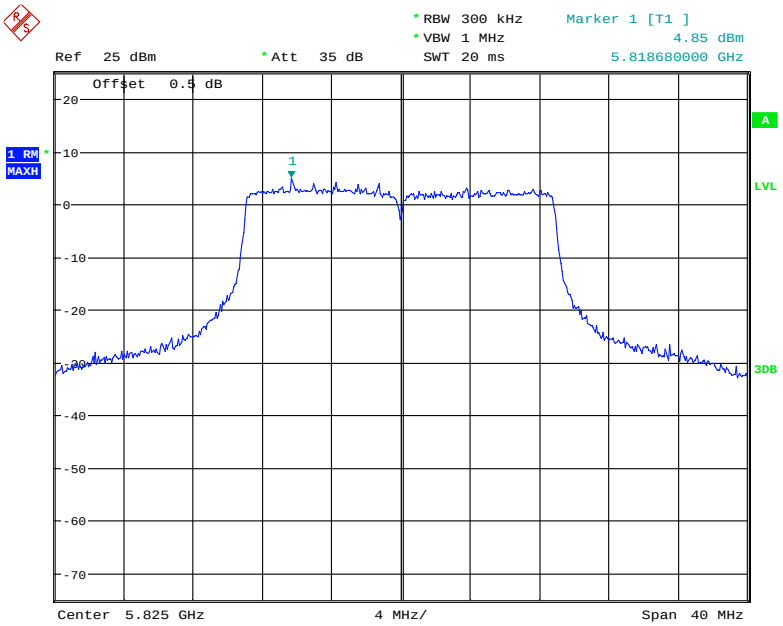
## Chain 3, 802.11n ac20 High Channel

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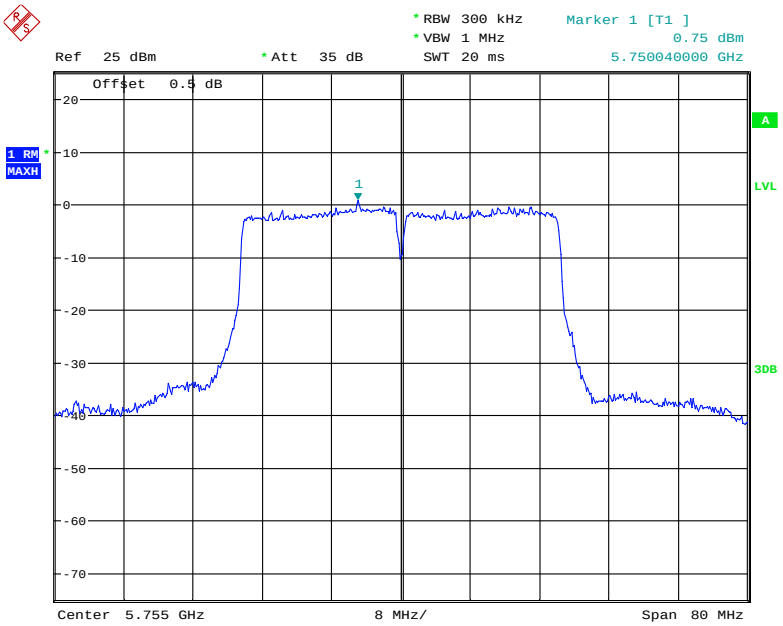
## Chain 3, 802.11n ac40 Low Channel

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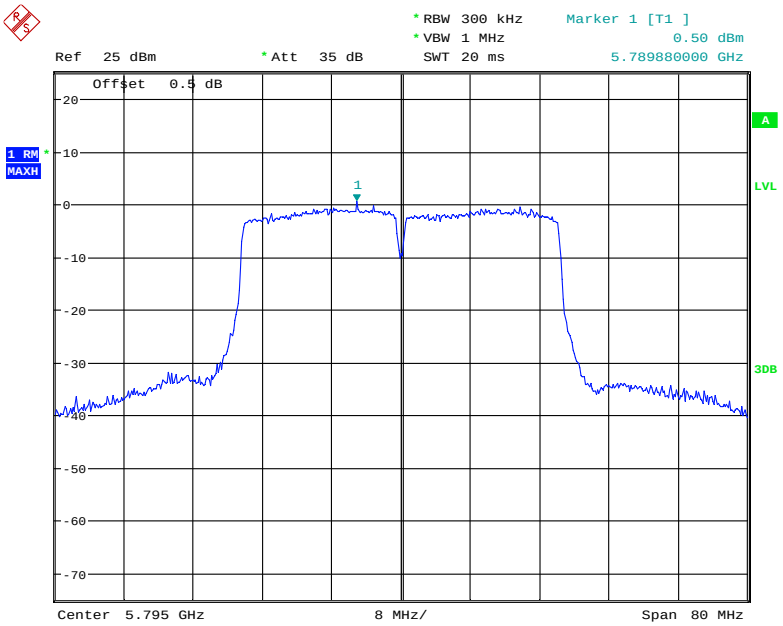
## Chain 3, 802.11n ac40 High Channel

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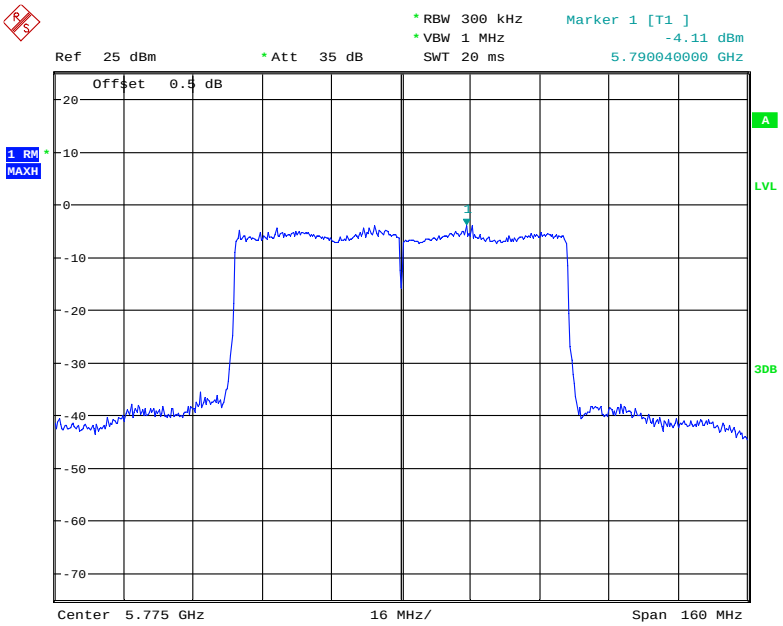
## Chain 3, 802.11ac80 Middle Channel




Date: 2.NOV.2017 23:16:55

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