

FCC PART 15.407 TEST REPORT

For

Huawei Technologies Co., Ltd.

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FCC ID: QISAP7052DN

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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).

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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 200M~1GHz: 4.83 dB for Horizontal, 5.85 dB for Vertical 1G~6GHz: 4.45 dB, 6G~40GHz: 5.23 dB
Unwanted Emissions,conducted	±1.5 dB
Temperature	±1 °C
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 across all data rates bandwidths, and modulations. Preliminary tests were performed in different 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

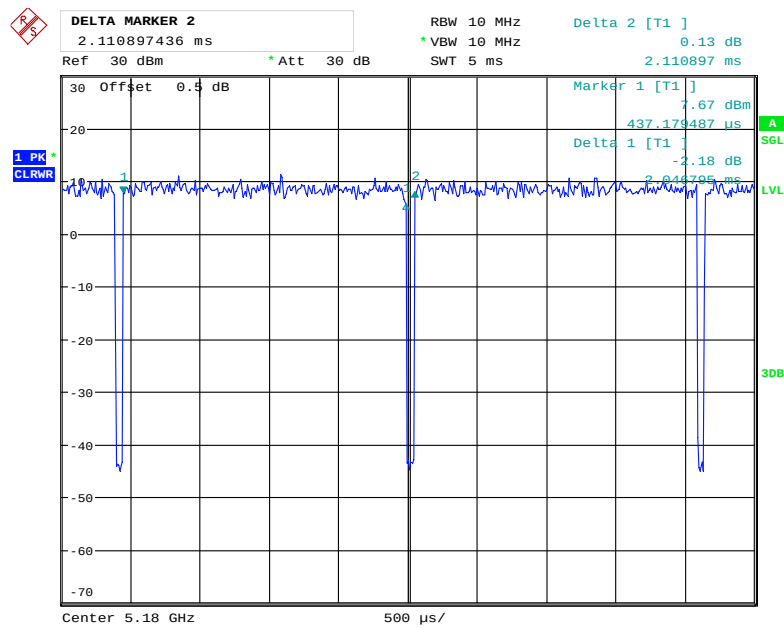
AC80+80 Mode with beamforming:

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:

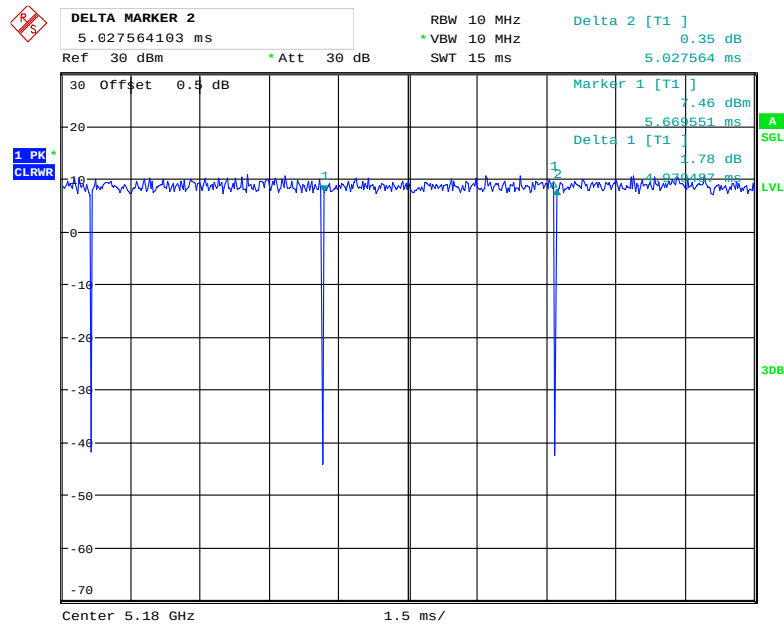
Mode	T _{on} (ms)	T _{on+off} (ms)	Duty Cycle(x) (%)	Duty Cycle Factor 10*log(1/x) (dB)
802.11a	2.047	2.111	96.97	0.13
802.11n ht20	4.979	5.028	99.03	0.04
802.11n ht40	2.399	2.496	96.11	0.17
802.11 ac20	4.979	5.028	99.03	0.04
802.11 ac40	2.415	2.528	95.53	0.20
802.11 ac80	1.130	1.202	94.01	0.27
AC80+80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

802.11a



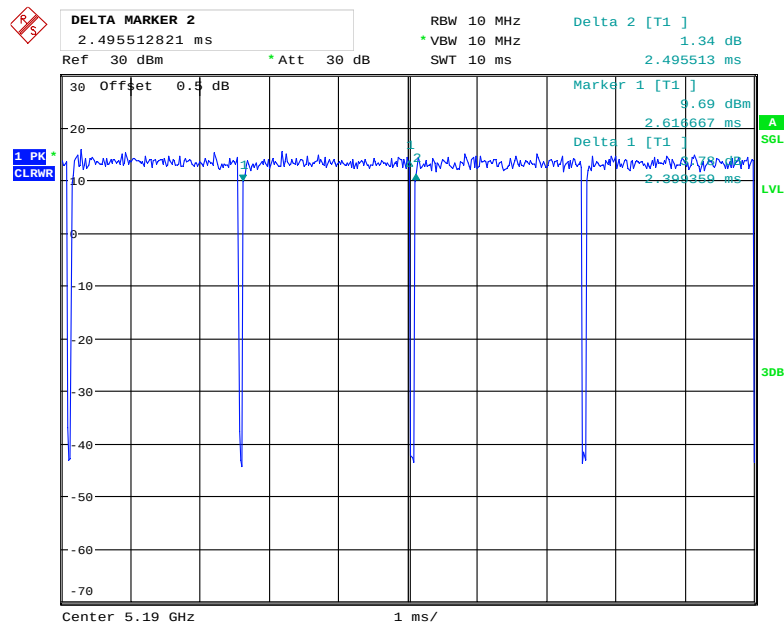
Date: 4.NOV.2017 14:19:48

802.11n ht20



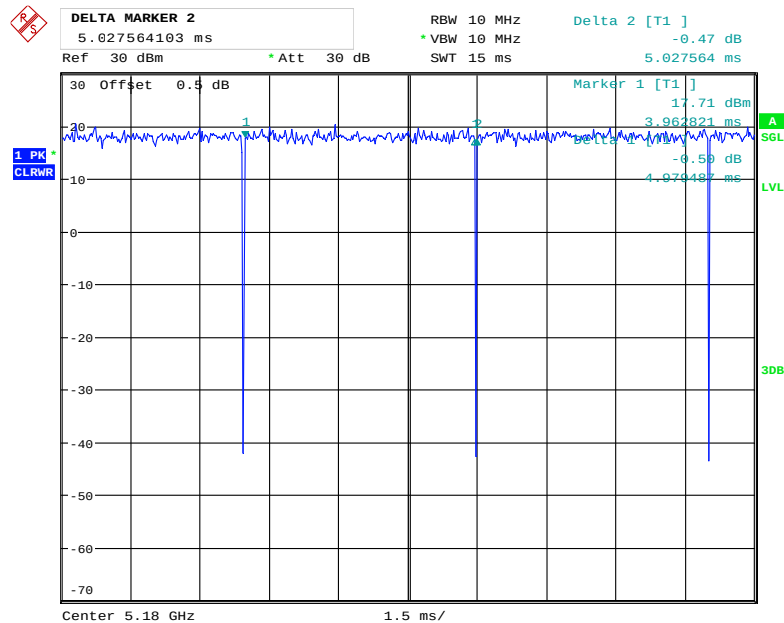
Date: 4.NOV.2017 14:25:41

802.11n ht40



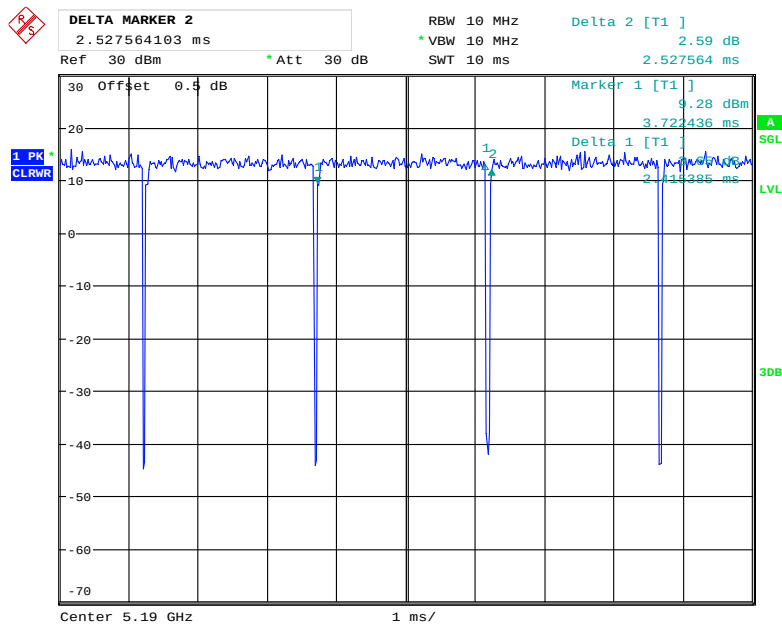
Date: 4.NOV.2017 14:31:12

802.11ac vht 20



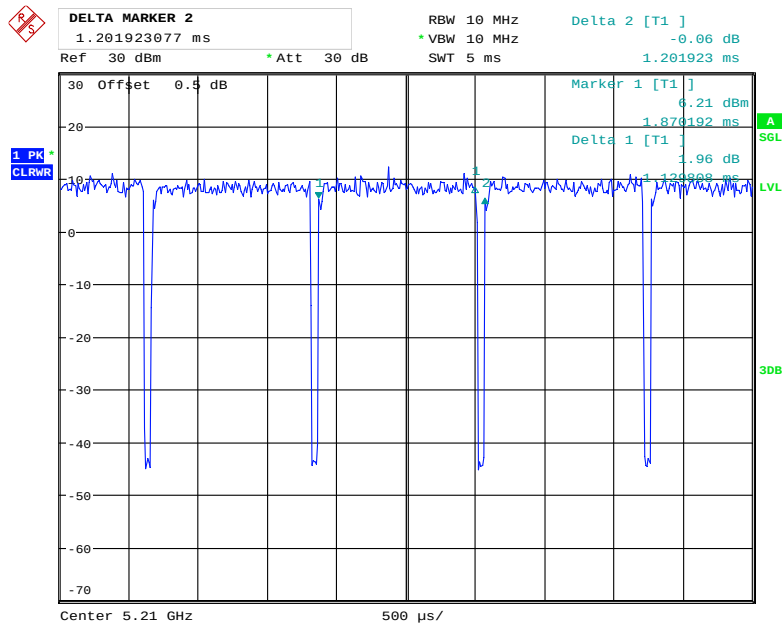
Date: 4.NOV.2017 14:29:15

802.11ac vht 40



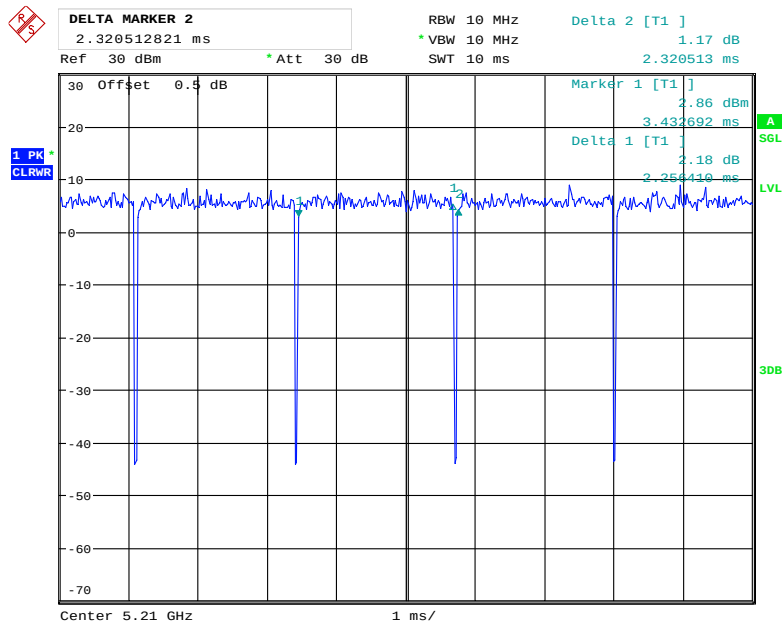
Date: 4.NOV.2017 14:34:46

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.

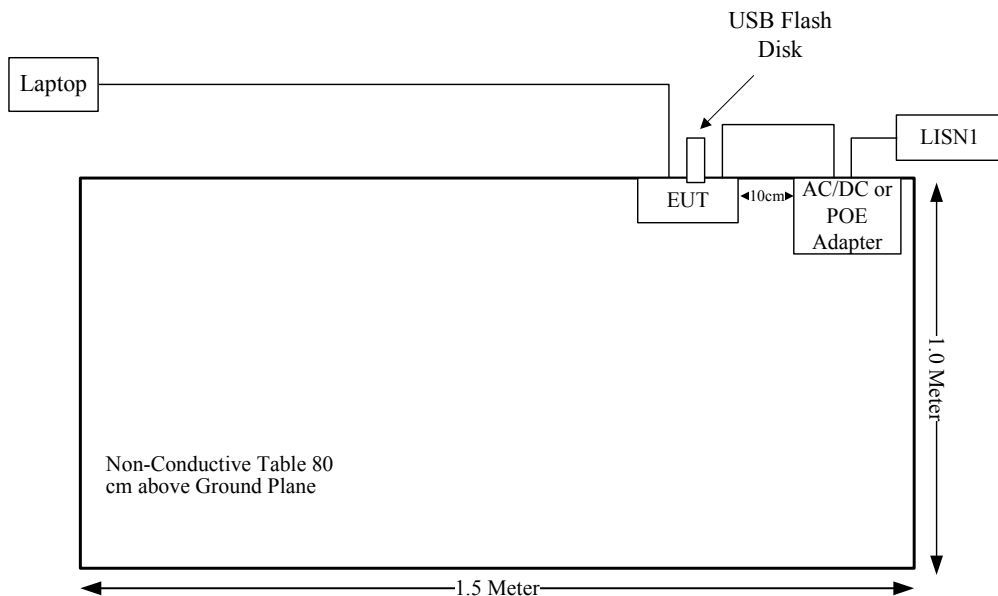
Support Equipment List and Details

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 Permissible 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/cm²);

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:

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

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

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

$$= 0.50$$

$$< 1.0$$

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.

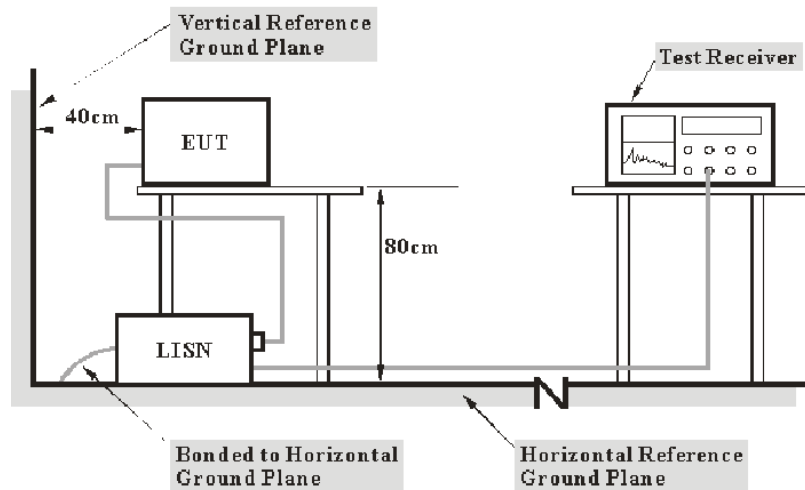
Result: Compliance.

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:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

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**

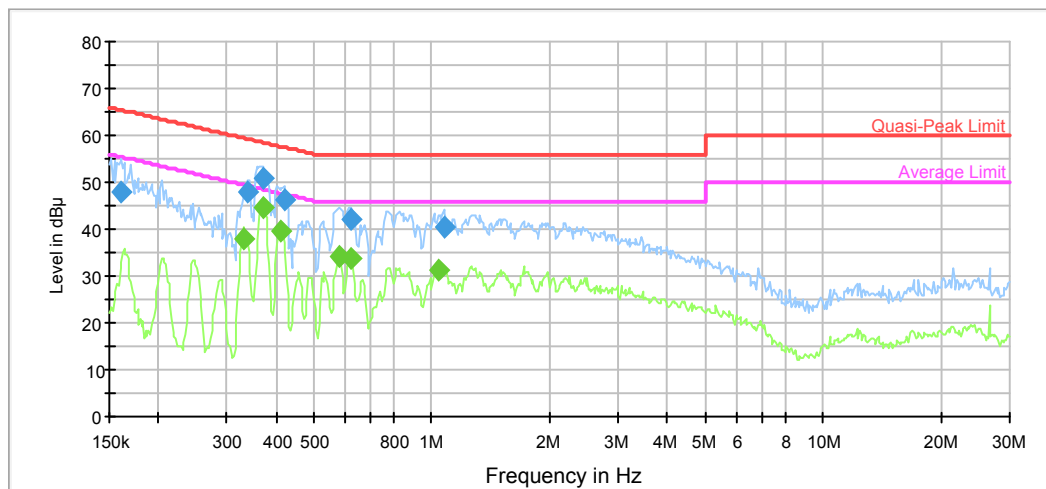
Temperature:	26.1 °C
Relative Humidity:	44 %
ATM Pressure:	101.4 kPa

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

Test Mode: Transmitting

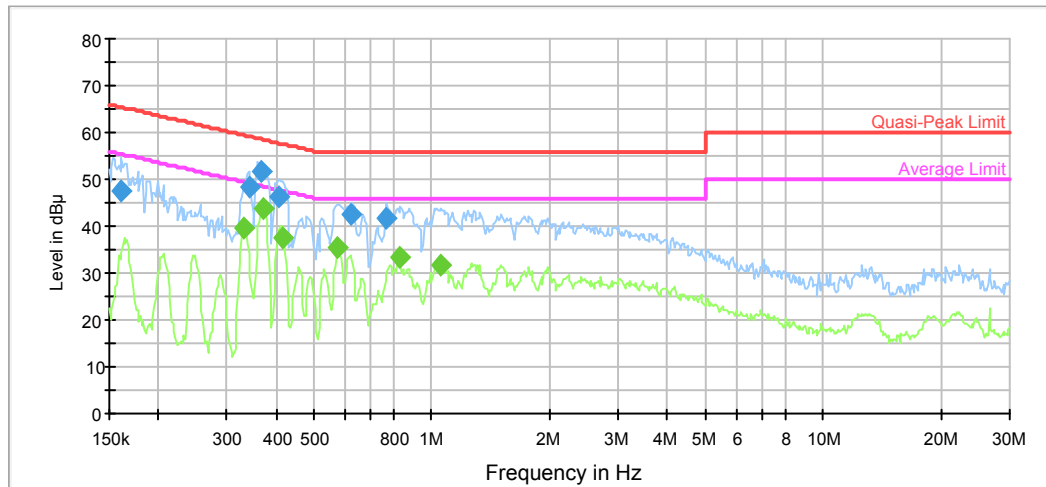
PoE adapter:

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

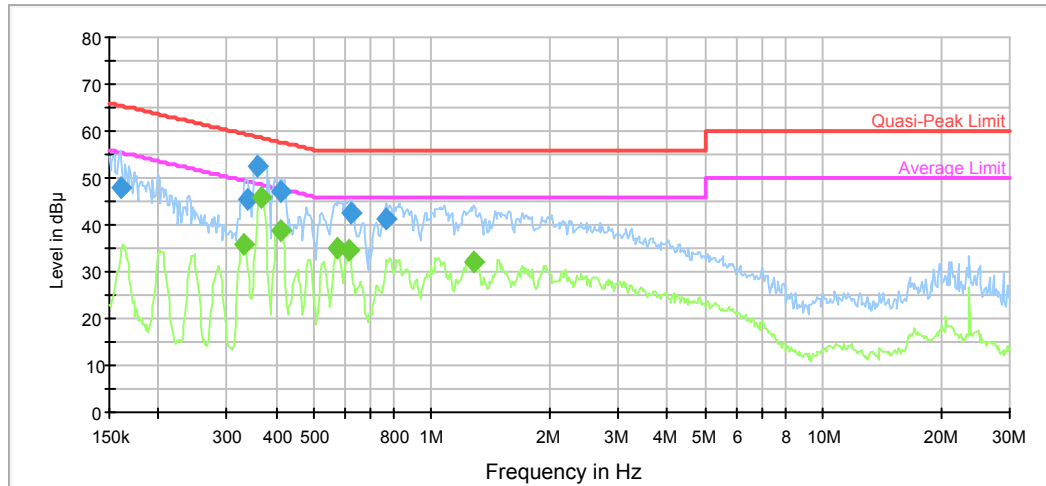
Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.332770	37.8	9.000	L1	10.1	11.6	49.4	Compliance
0.372042	44.7	9.000	L1	10.0	3.8	48.5	Compliance
0.412647	39.5	9.000	L1	10.0	8.1	47.6	Compliance
0.581275	34.1	9.000	L1	9.8	11.9	46.0	Compliance
0.619536	33.8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

frequency (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

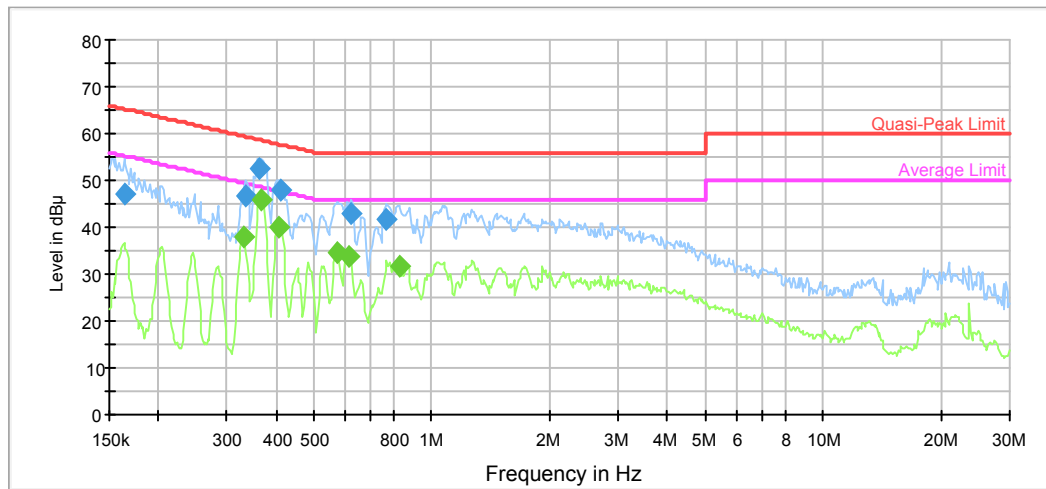
Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.330129	39.6	9.000	N	10.1	9.8	49.4	Compliance
0.372042	43.7	9.000	N	10.0	4.8	48.5	Compliance
0.415949	37.7	9.000	N	10.0	9.8	47.5	Compliance
0.576662	35.5	9.000	N	9.8	10.5	46.0	Compliance
0.831967	33.2	9.000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

frequency (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.

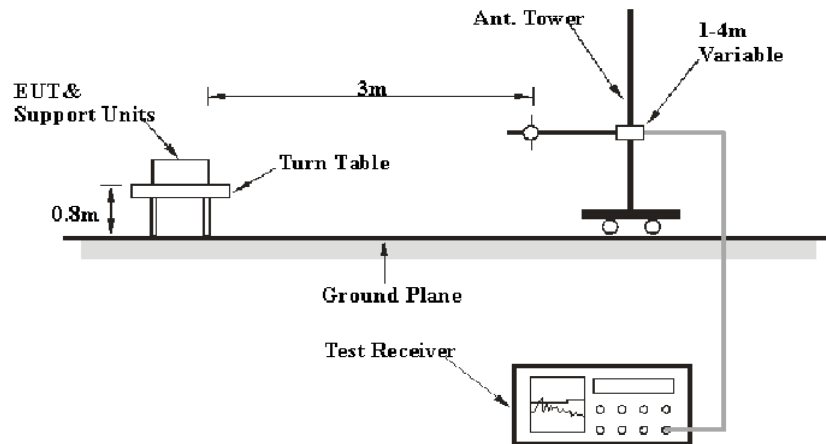
(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(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.

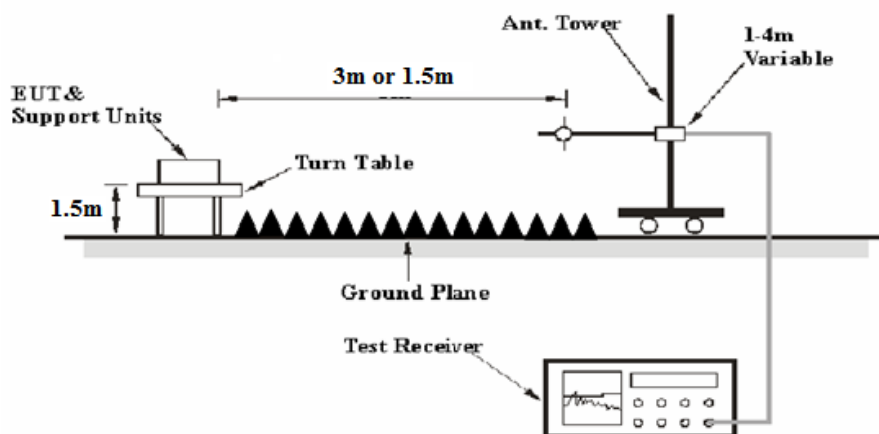
(7) The provisions of §15.205 apply to intentional radiators operating under this section.

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: $E [dB\mu V/m] = EIRP[dBm] + 95.2$, 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:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

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:

$$\text{Margin} = \text{Extrapolation result} - \text{Limit}$$

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 Technologies	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 Technologies	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).

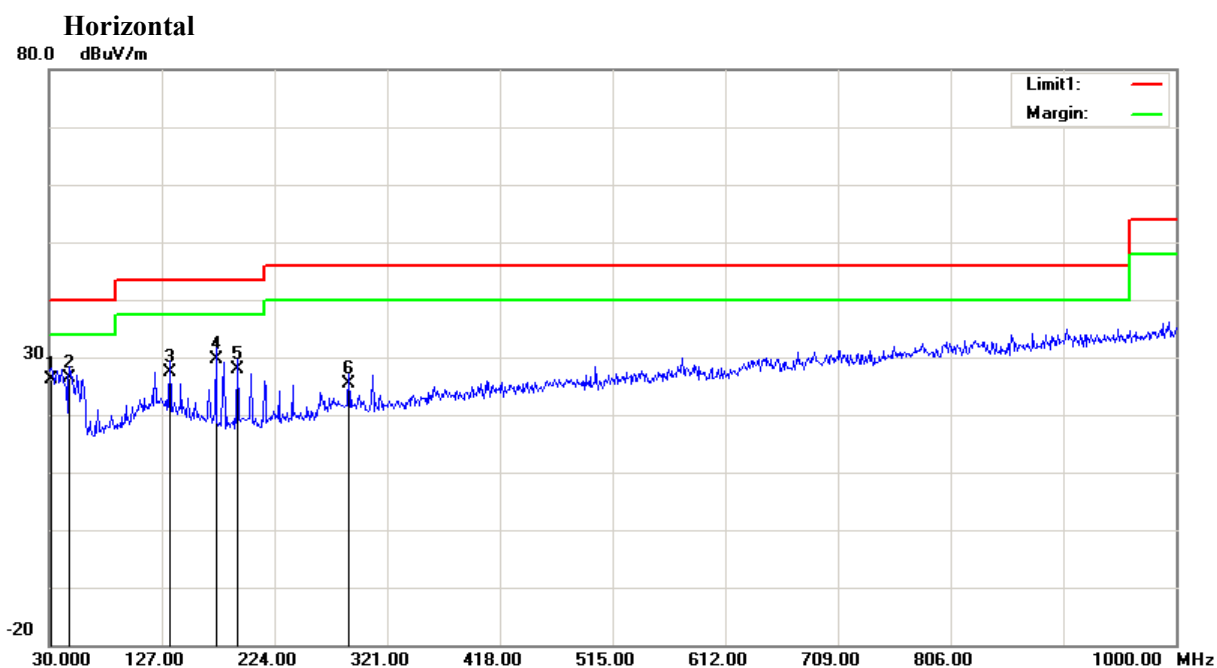
Test Data**Environmental Conditions**

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

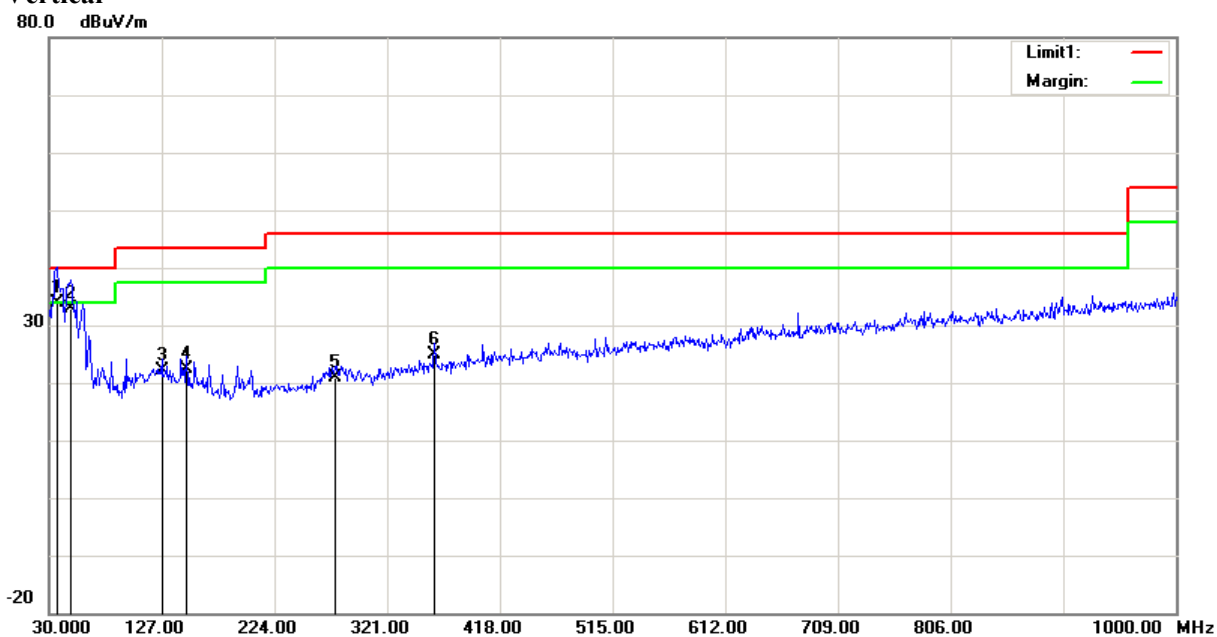
* The testing was performed by Kakaxi Chen and Steven Zuo from 2017-10-24 to 2017-10-25.

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):



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 (dB μ V)	Detector	Correction Factor (dB/m)	Cord. Amp. (dB μ V/m)	Limit (dB μ V/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**

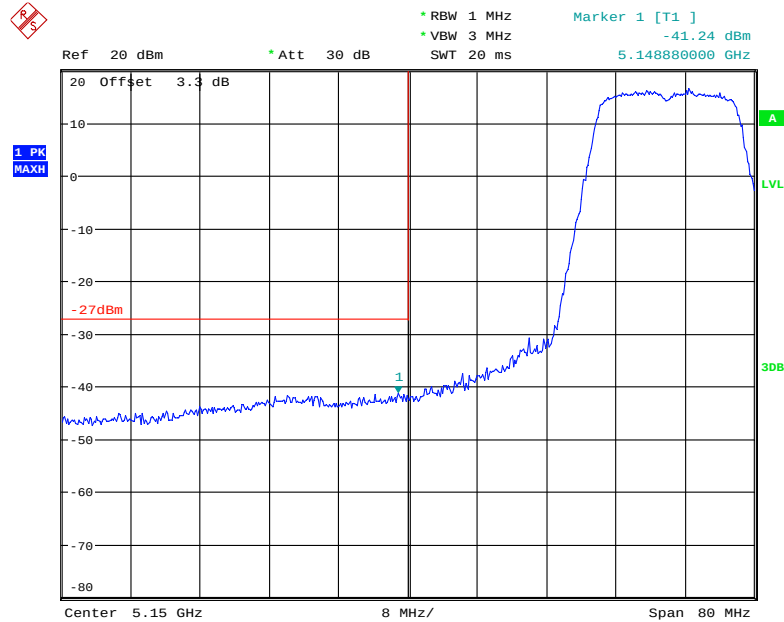
Temperature:	26.8~27°C
Relative Humidity:	49~51 %
ATM Pressure:	100.8~101.6 kPa

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

Test Result: Pass.

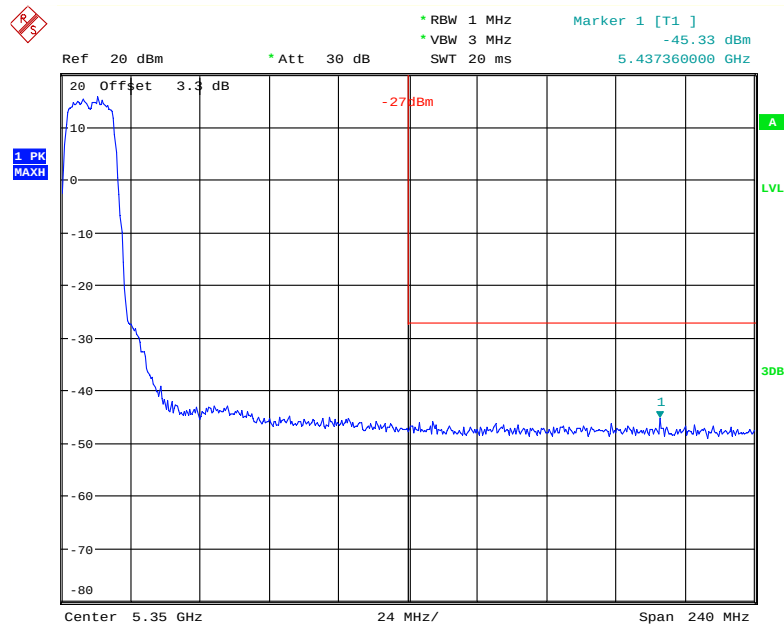
Radio 0:
5150-5250MHz:

Chain 0, 802.11a Low Channel



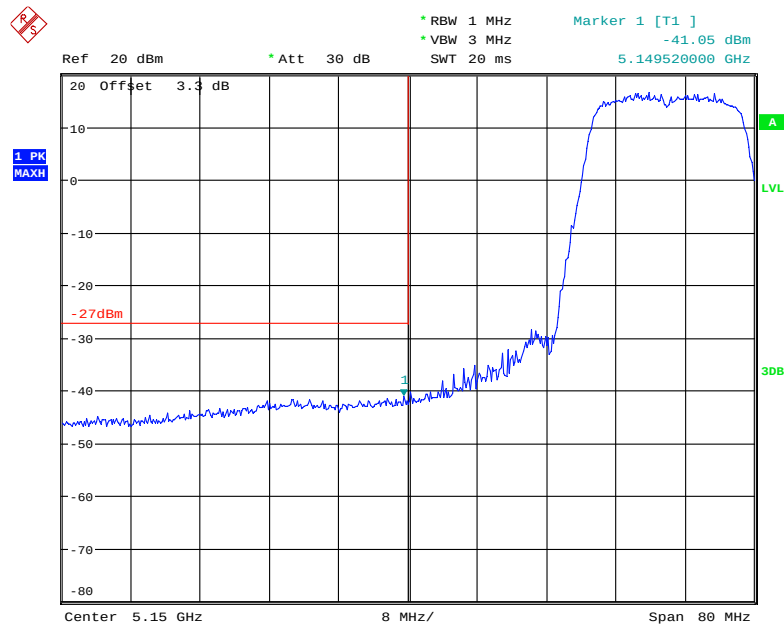
Date: 21.OCT.2017 10:01:45

Chain 0, 802.11a High Channel



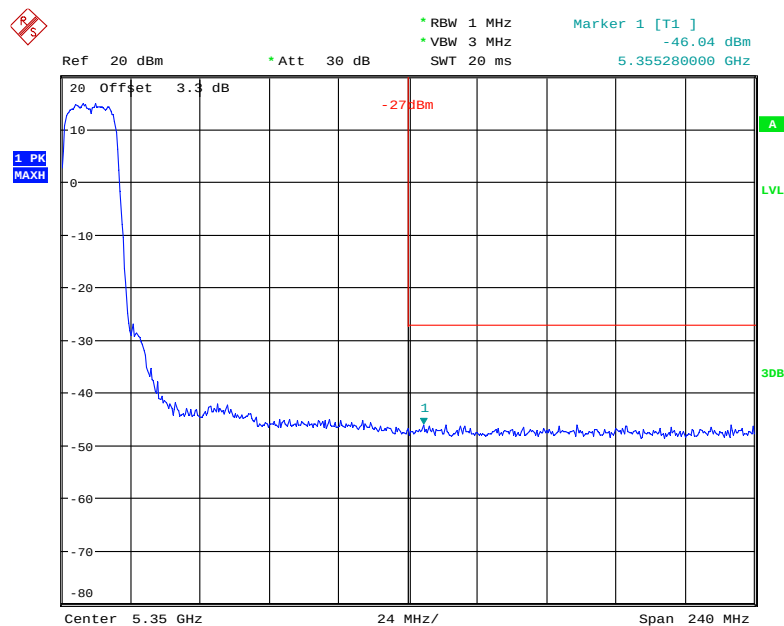
Date: 21.OCT.2017 10:15:25

Chain 0, 802.11n ht20 Low Channel



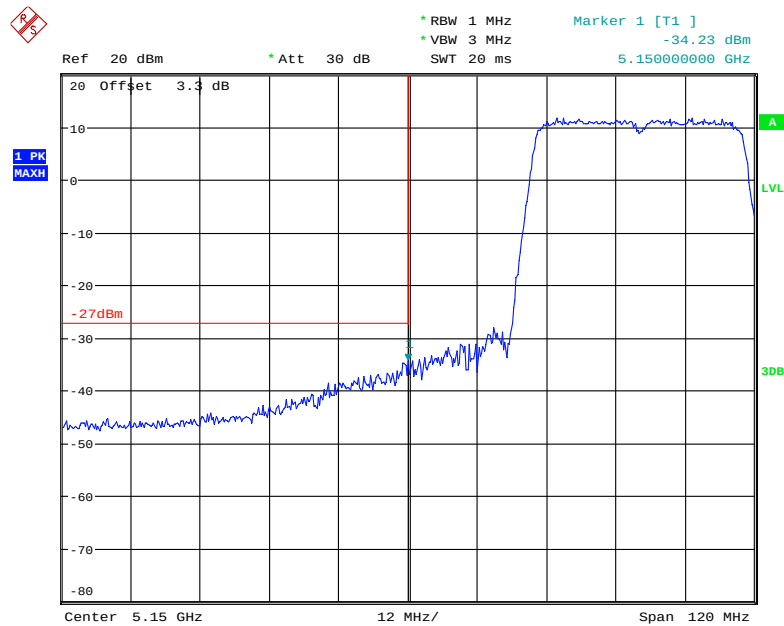
Date: 21.OCT.2017 10:30:37

Chain 0, 802.11n ht20 High Channel



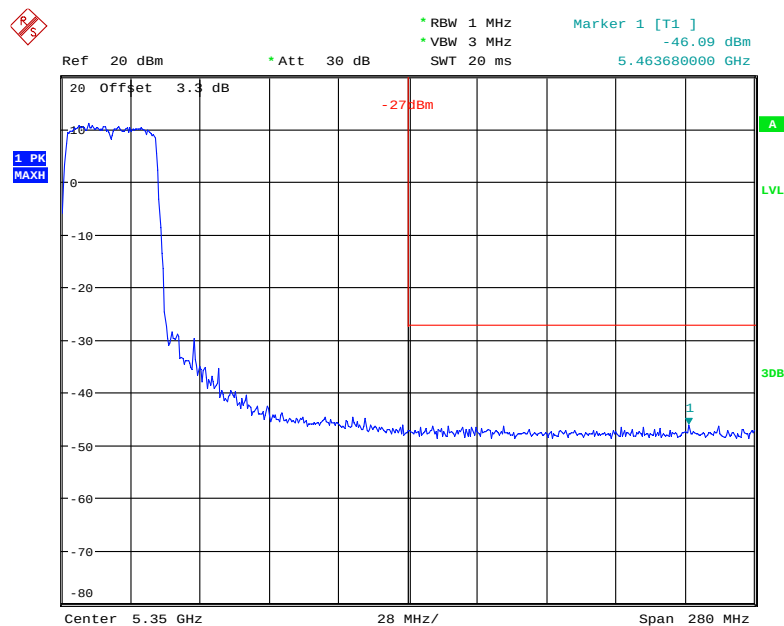
Date: 21.OCT.2017 10:33:33

Chain 0, 802.11n ht40 Low Channel



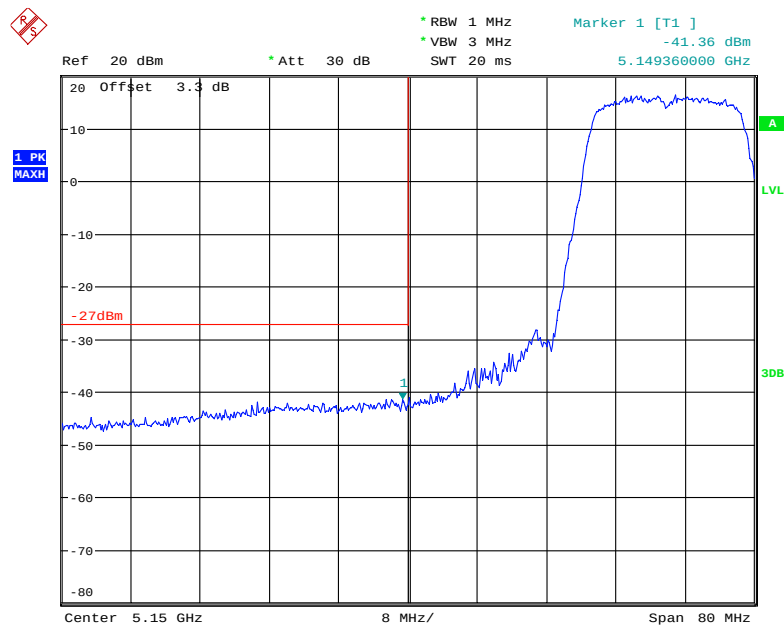
Date: 21.OCT.2017 11:30:26

Chain 0, 802.11n ht40 High Channel



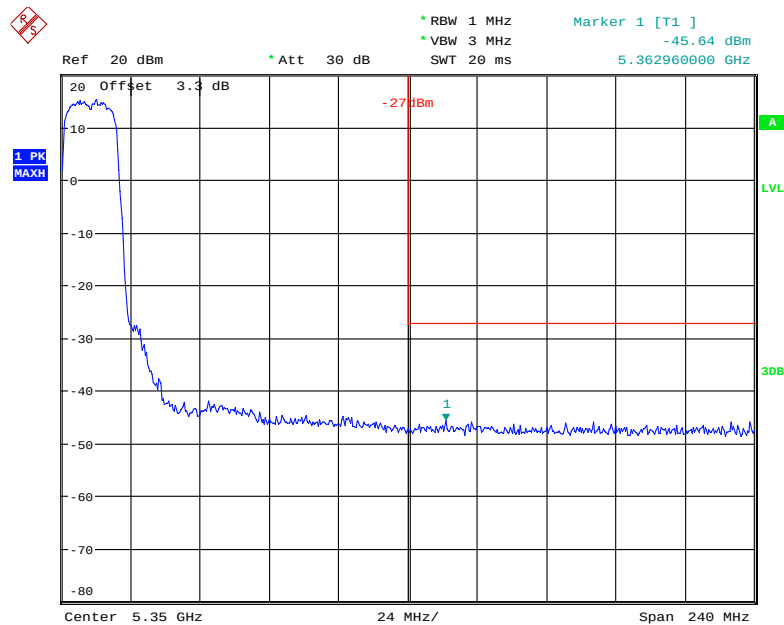
Date: 21.OCT.2017 11:31:46

Chain 0, 802.11n ac20 Low Channel



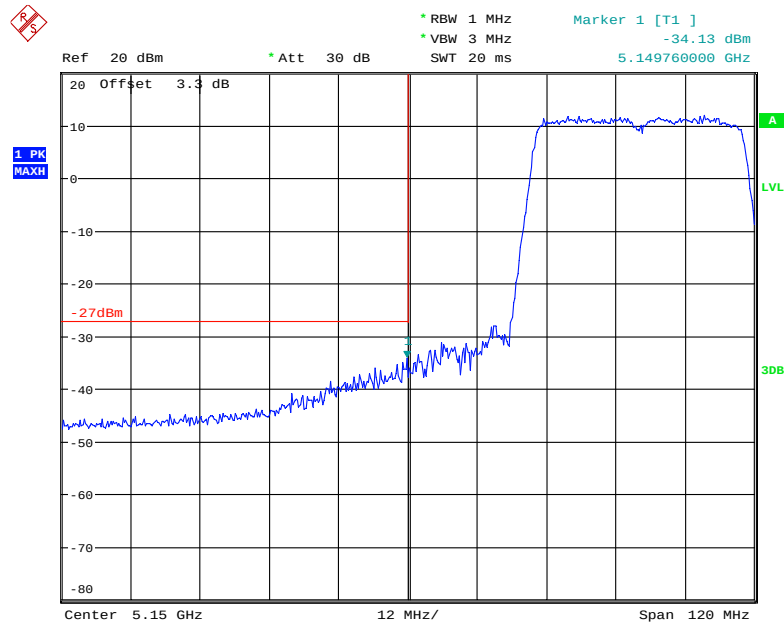
Date: 21.OCT.2017 10:45:54

Chain 0, 802.11n ac20 High Channel



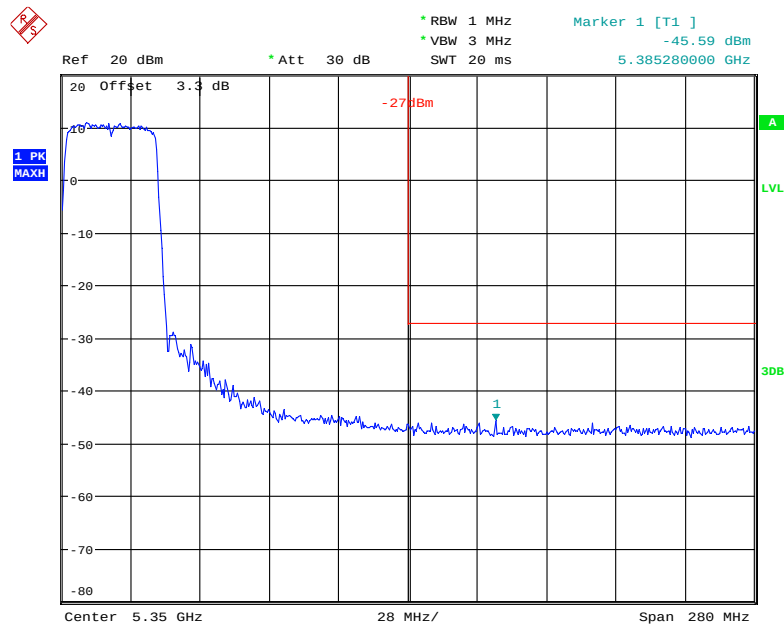
Date: 21.OCT.2017 10:49:00

Chain 0, 802.11n ac40 Low Channel



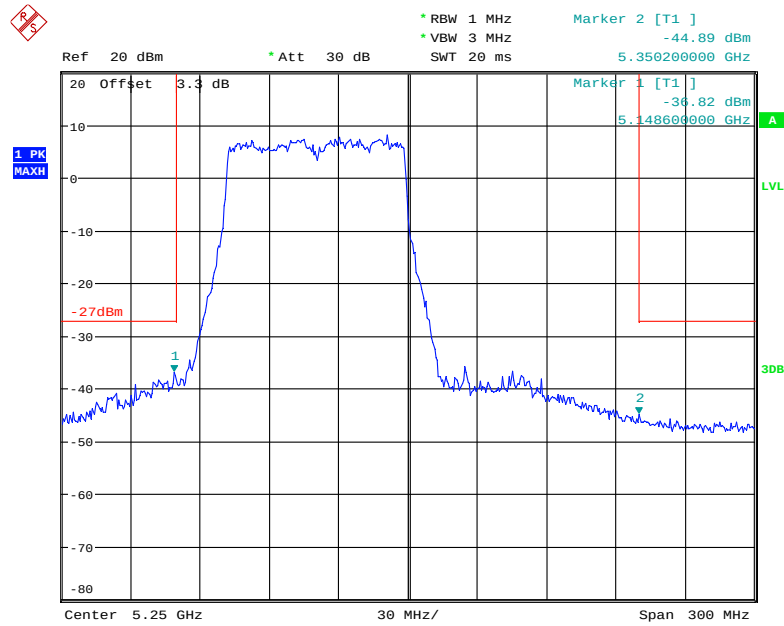
Date: 21.OCT.2017 11:41:28

Chain 0, 802.11n ac40 High Channel



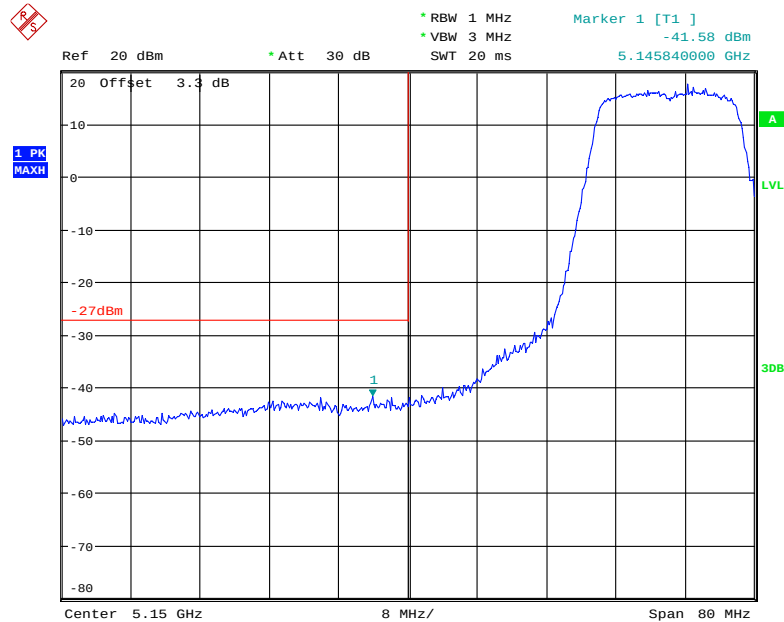
Date: 21.OCT.2017 11:43:05

Chain 0, 802.11 ac80 Middle Channel



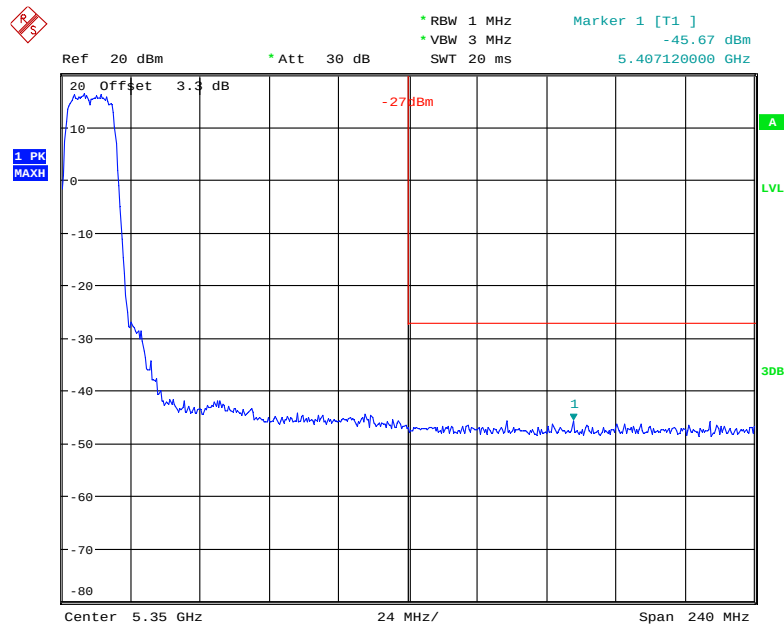
Date: 28.OCT.2017 16:30:28

Chain 1, 802.11a Low Channel



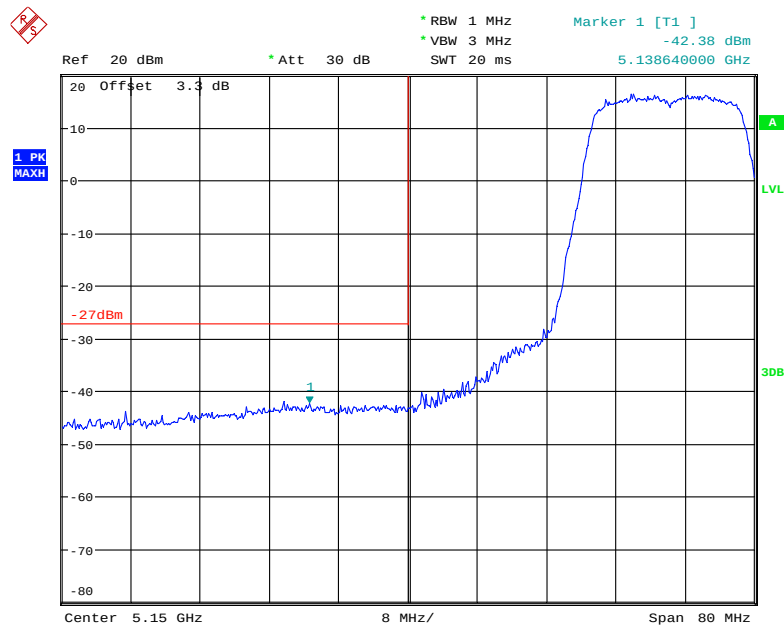
Date: 21.OCT.2017 11:47:57

Chain 1, 802.11a High Channel



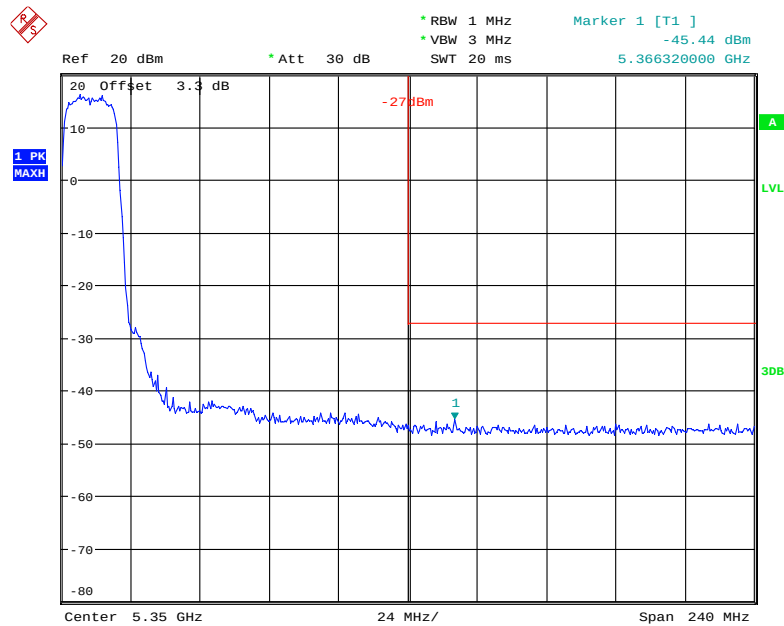
Date: 21.OCT.2017 11:50:30

Chain 1, 802.11n ht20 Low Channel



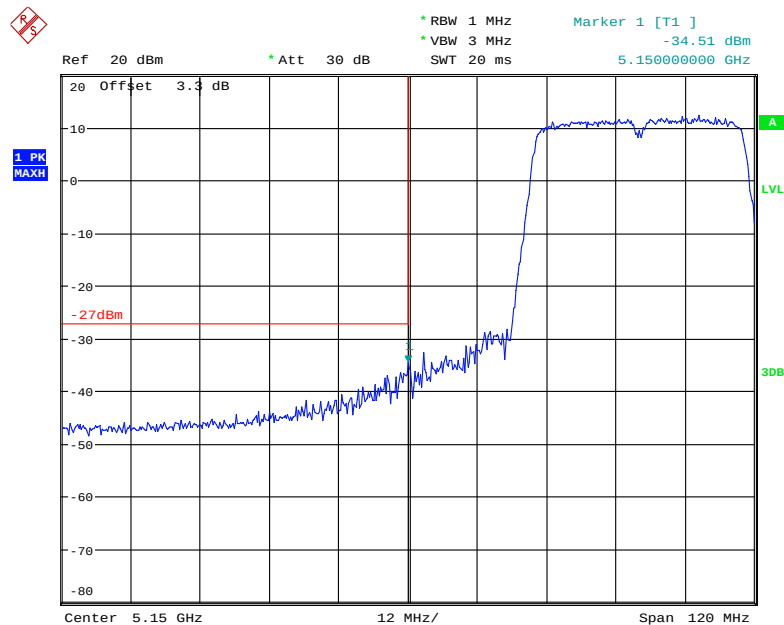
Date: 21.OCT.2017 11:58:09

Chain 1, 802.11n ht20 High Channel



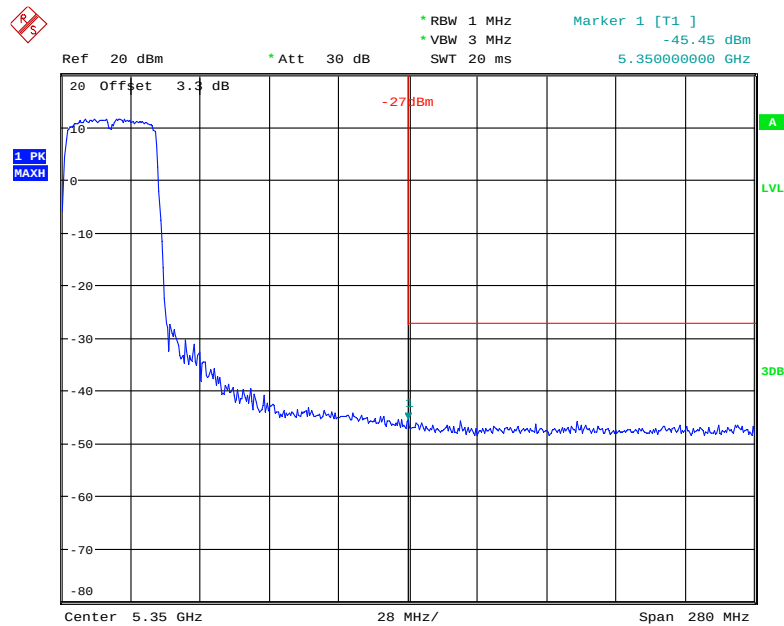
Date: 21.OCT.2017 12:00:57

Chain 1, 802.11n ht40 Low Channel



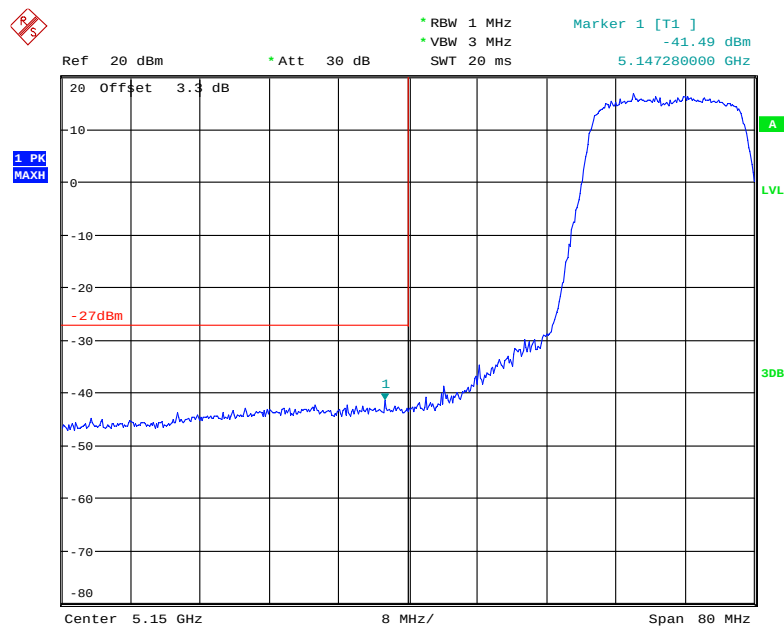
Date: 21.OCT.2017 13:28:17

Chain 1, 802.11n ht40 High Channel



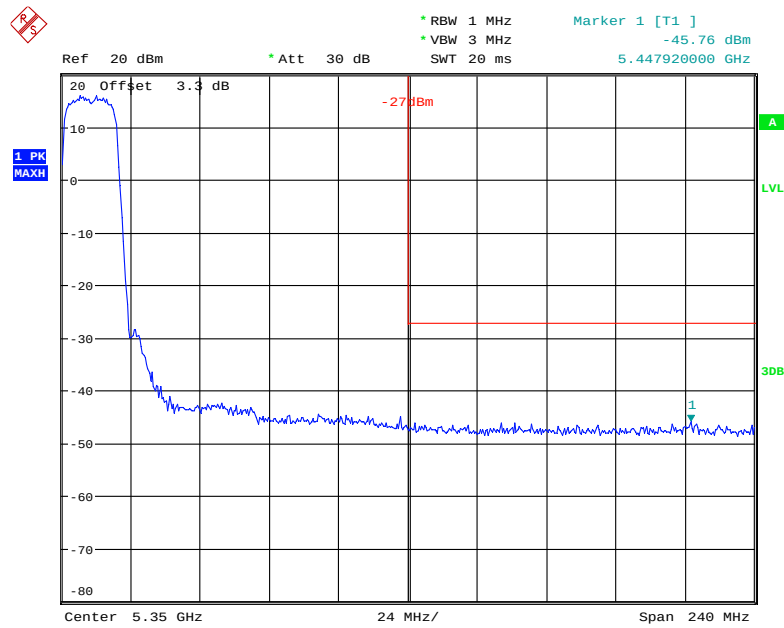
Date: 21.OCT.2017 13:30:08

Chain 1, 802.11n ac20 Low Channel



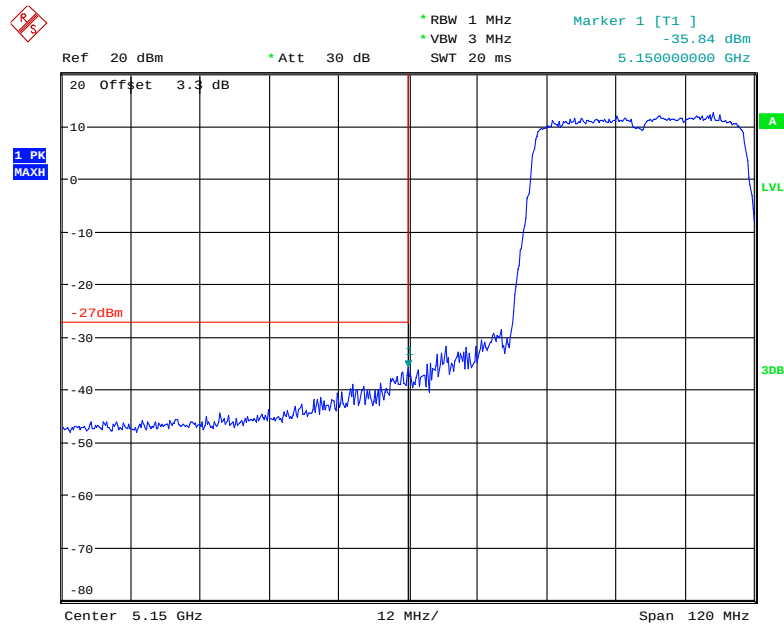
Date: 21.OCT.2017 13:25:31

Chain 1, 802.11n ac20 High Channel



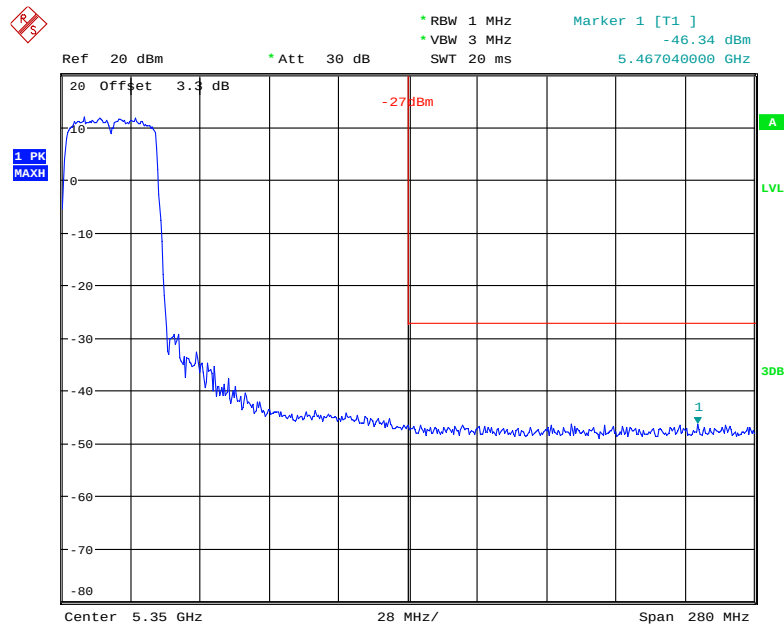
Date: 21.OCT.2017 13:22:49

Chain 1, 802.11n ac40 Low Channel



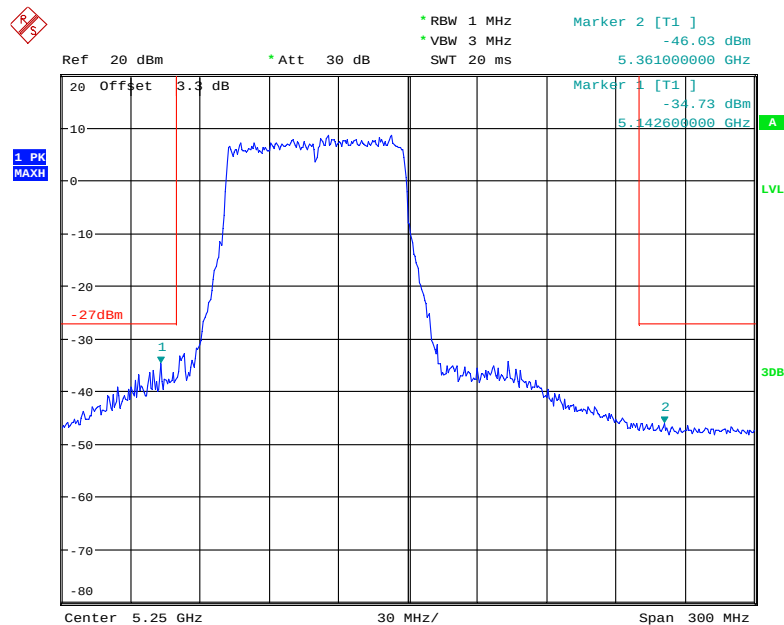
Date: 21.OCT.2017 13:38:36

Chain 1, 802.11n ac40 High Channel



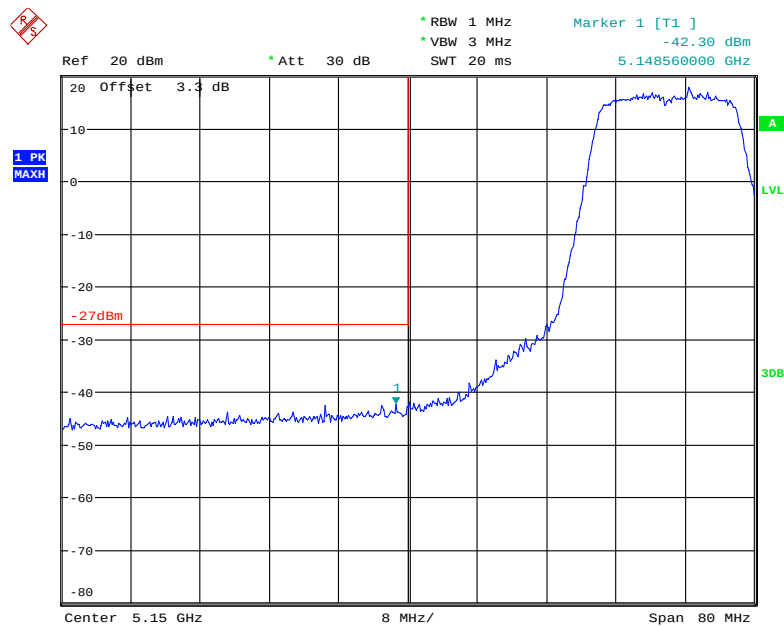
Date: 21.OCT.2017 13:39:59

Chain 1, 802.11 ac80 Middle Channel



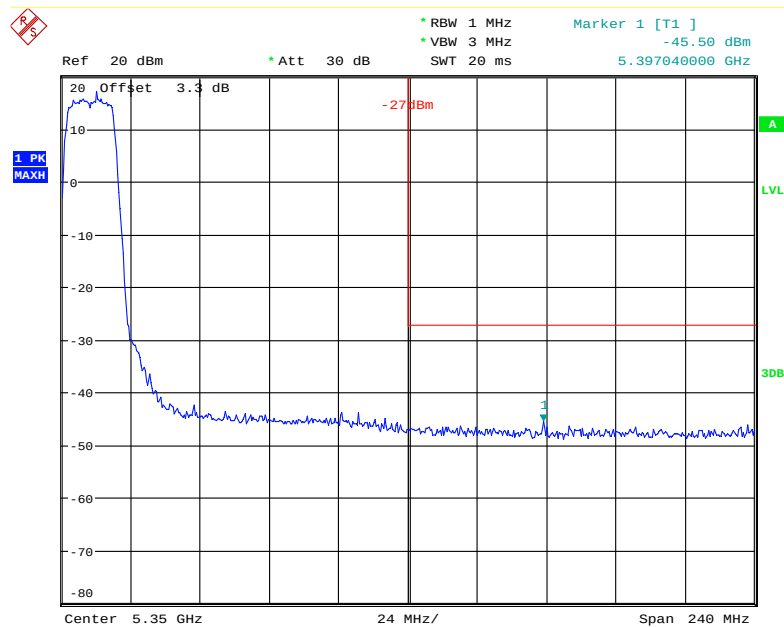
Date: 28.OCT.2017 16:32:40

Chain 2, 802.11a Low Channel



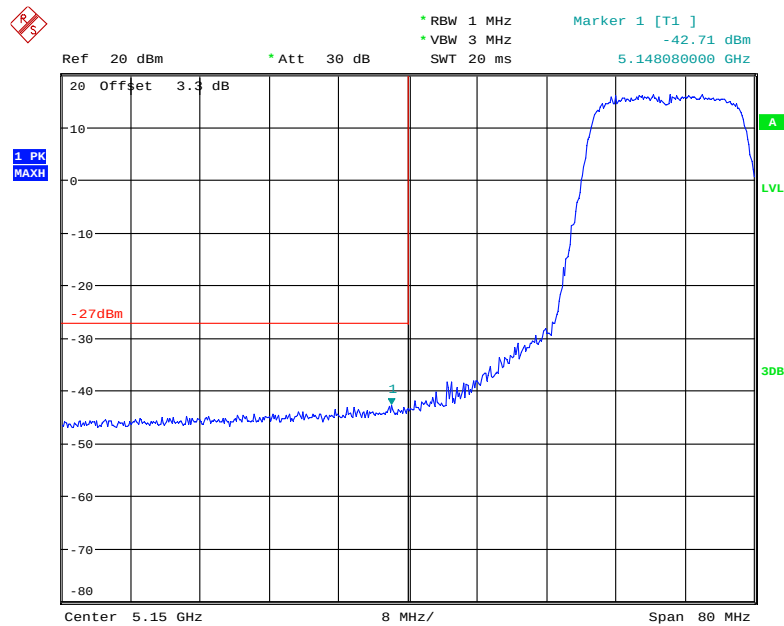
Date: 21.OCT.2017 13:57:36

Chain 2, 802.11a High Channel



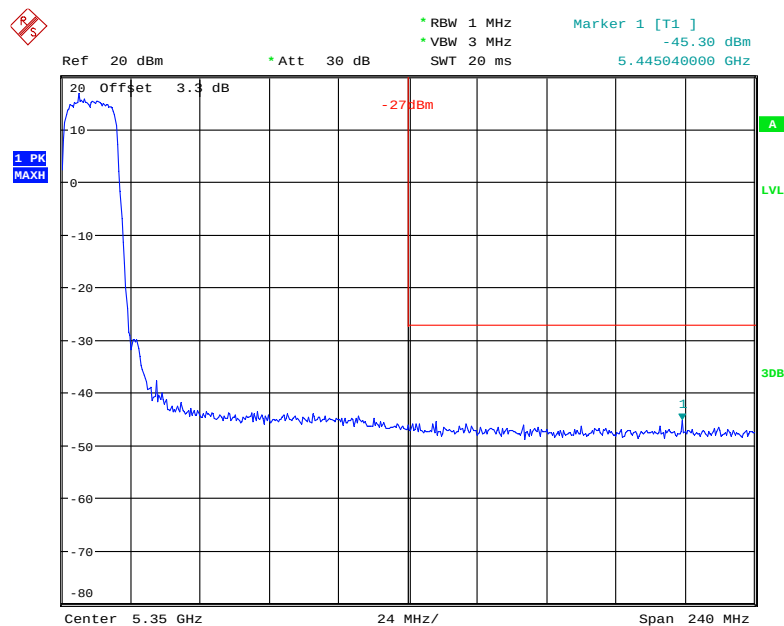
Date: 21.OCT.2017 14:01:05

Chain 2, 802.11n ht20 Low Channel



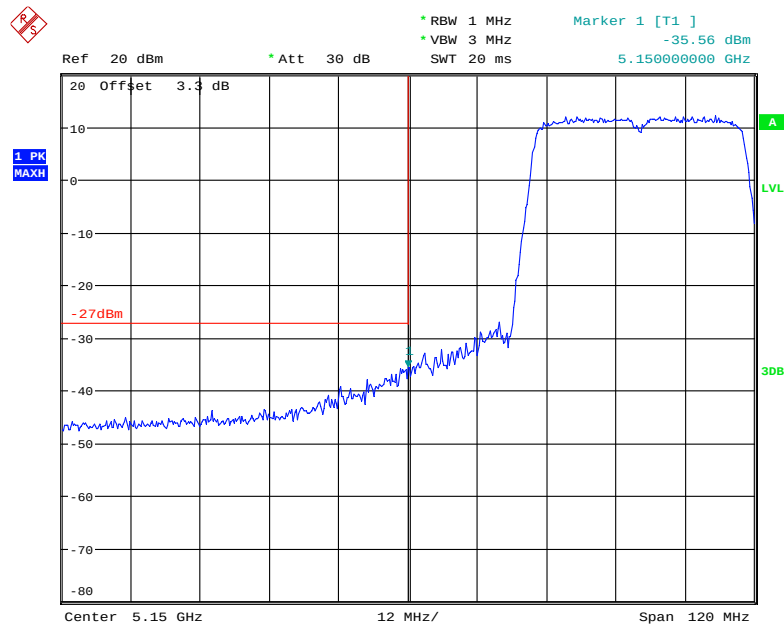
Date: 21.OCT.2017 14:13:08

Chain 2, 802.11n ht20 High Channel



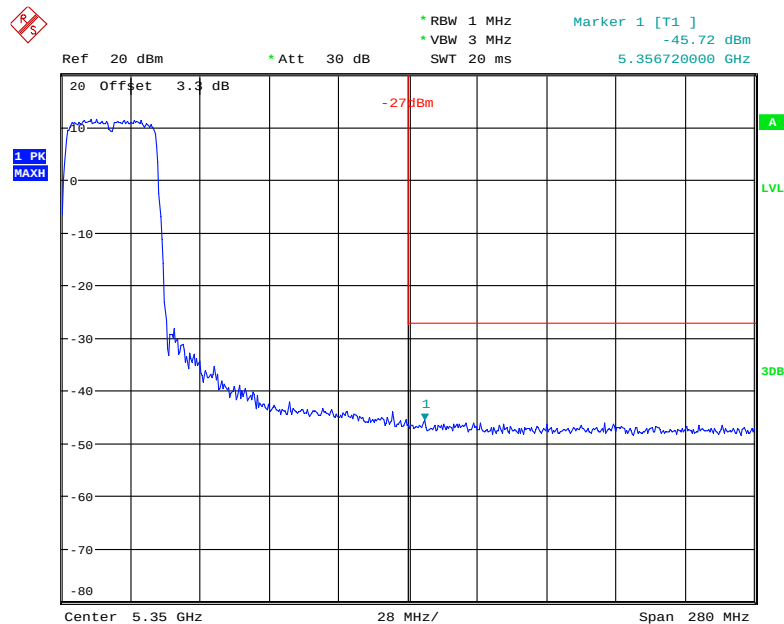
Date: 21.OCT.2017 14:16:07

Chain 2, 802.11n ht40 Low Channel



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

Chain 2, 802.11n ht40 High Channel

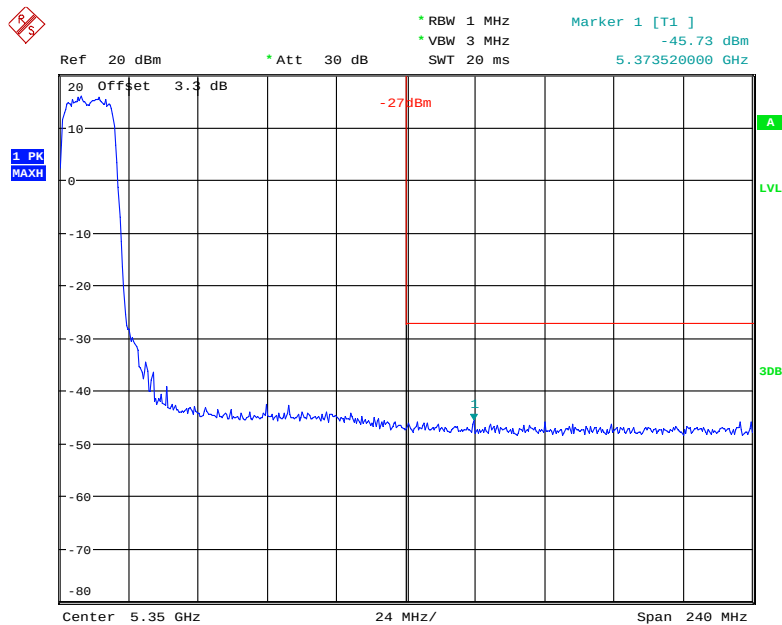


Date: 21.OCT.2017 14:38:34

Ref 20 dBm * Att 30 dB
 * RBW 1 MHz Marker 1 [T1] -42.42 dBm
 * VBW 3 MHz 5.149840000 GHz
 SWT 20 ms

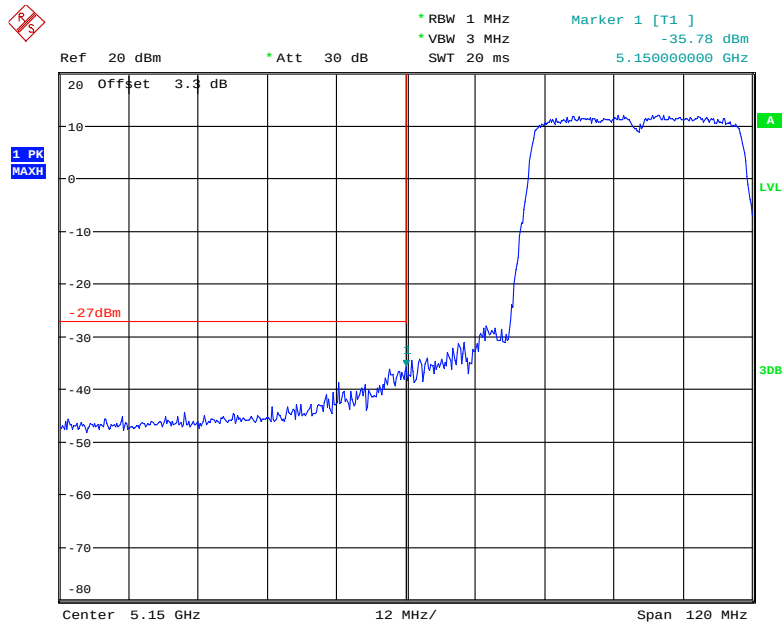
20 Offset 3.3 dB
 -27 dBm
 1 PK MAXH
 A
 LVL
 3DB
 Center 5.15 GHz 8 MHz/ Span 80 MHz

Chain 2, 802.11n ac20 High Channel



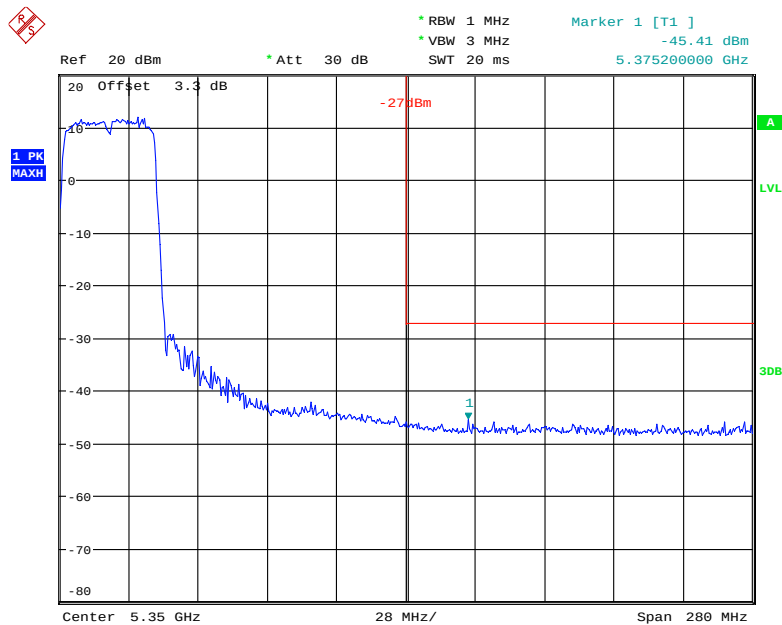
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Chain 2, 802.11n ac40 Low Channel

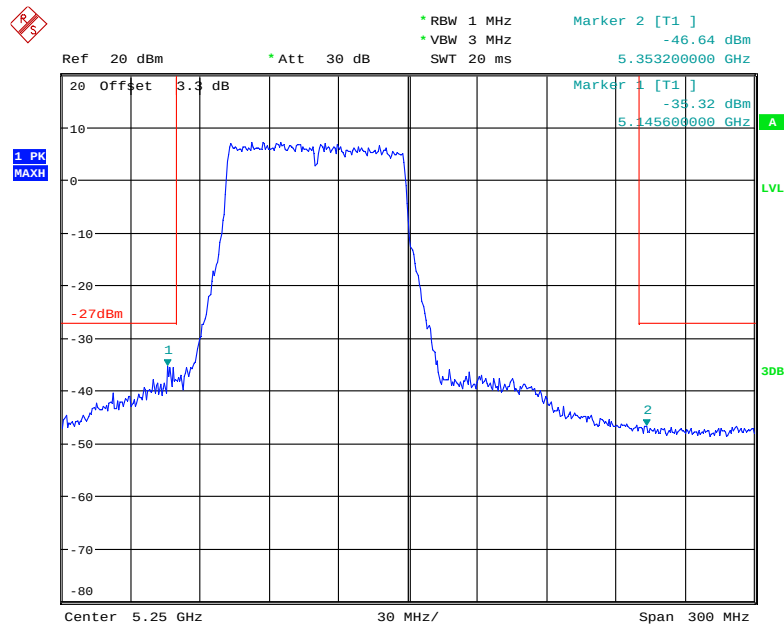


Date: 21.OCT.2017 14:45:08

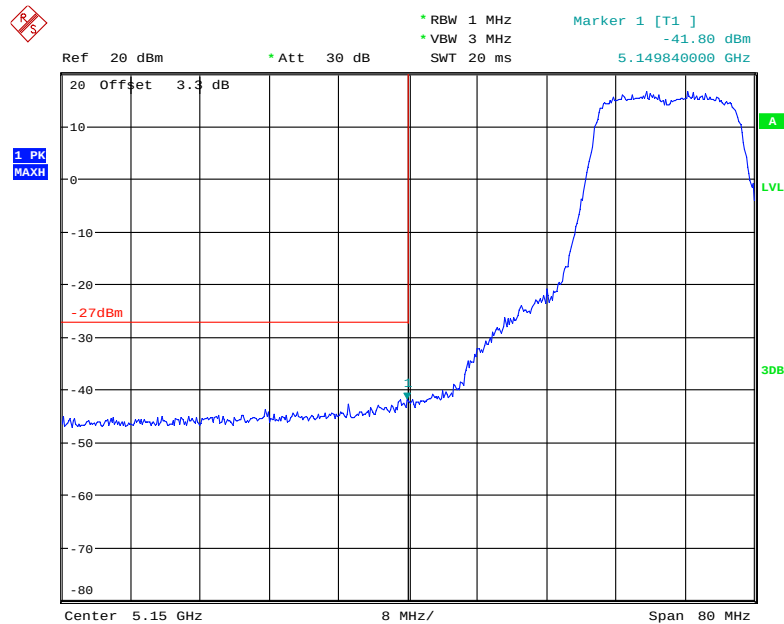
Chain 2, 802.11n ac40 High Channel



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

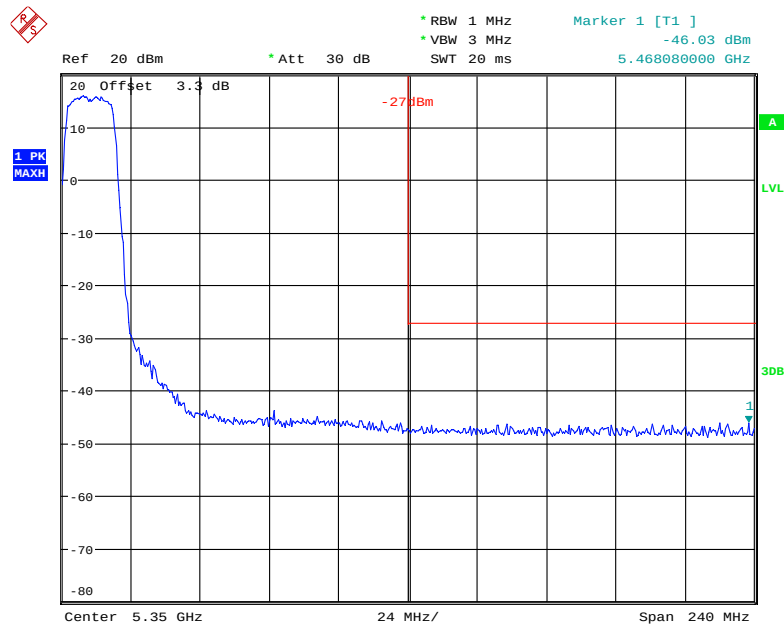
Chain 2, 802.11 ac80 Middle Channel

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

Chain 3, 802.11a Low Channel

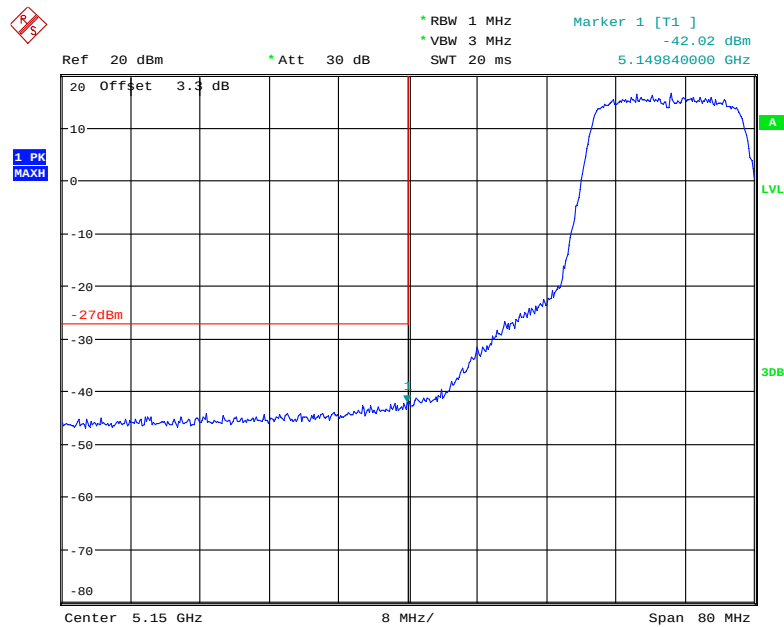
Date: 21.OCT.2017 14:58:16

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

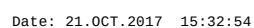
Ref 20 dBm * Att 30 dB * RBW 1 MHz * VBW 3 MHz SWT 20 ms Marker 1 [T1] -46.15 dBm
5.365840000 GHz

20 Offset 3.3 dB -27 dBm

1 PK MAXH

Center 5.35 GHz 24 MHz/ Span 240 MHz

Chain 3, 802.11n ht40 Low Channel



Ref 20 dBm * Att 30 dB * RBW 1 MHz * VBW 3 MHz Marker 1 [T1] -45.61 dBm

SWT 20 ms 5.414960000 GHz

20 Offset 3.3 dB -27 dBm

1 PK MAXH

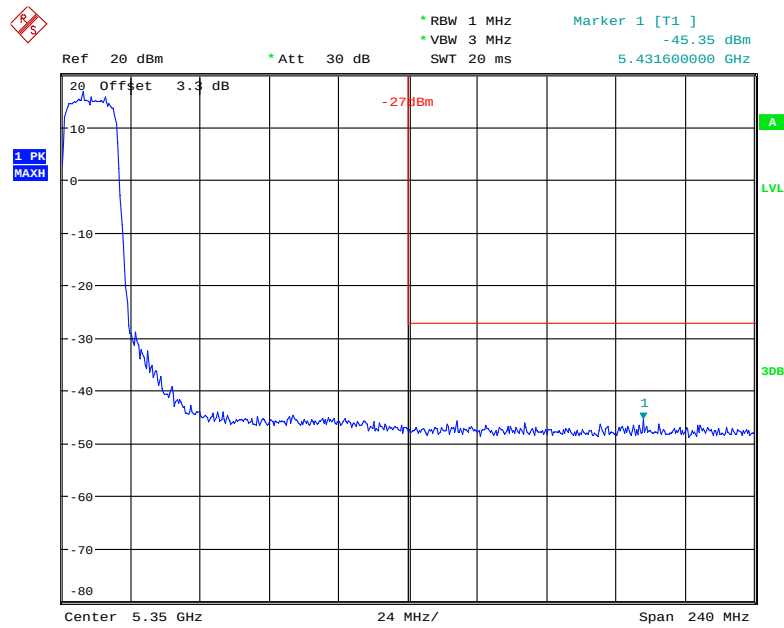
Center 5.35 GHz 28 MHz/ Span 280 MHz

Ref 20 dBm * Att 30 dB
 * RBW 1 MHz Marker 1 [T1]
 * VBW 3 MHz -41.59 dBm
 SWT 20 ms 5.147120000 GHz

20 Offset 3.3 dB
 -27 dBm
 1 PK
 MAXH
 1
 A
 LVL
 3DB
 Center 5.15 GHz 8 MHz/ Span 80 MHz

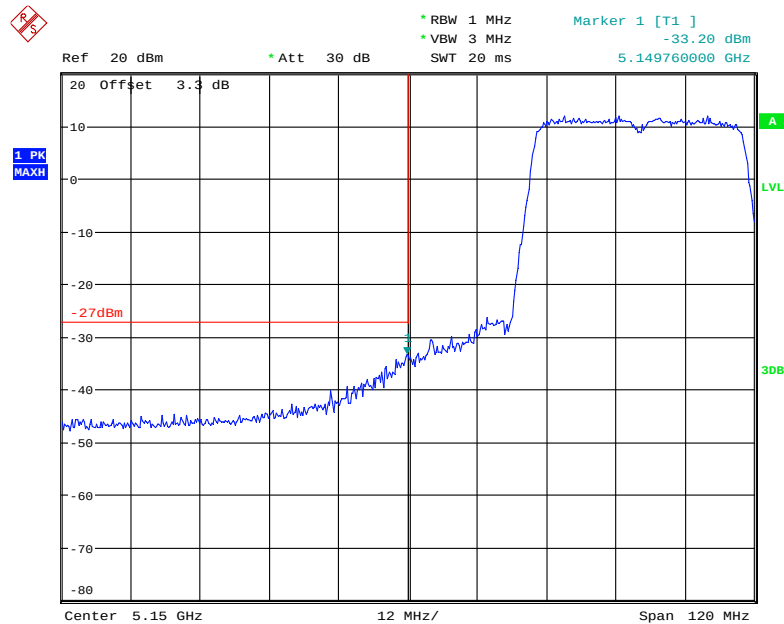
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Chain 3, 802.11n ac20 High Channel



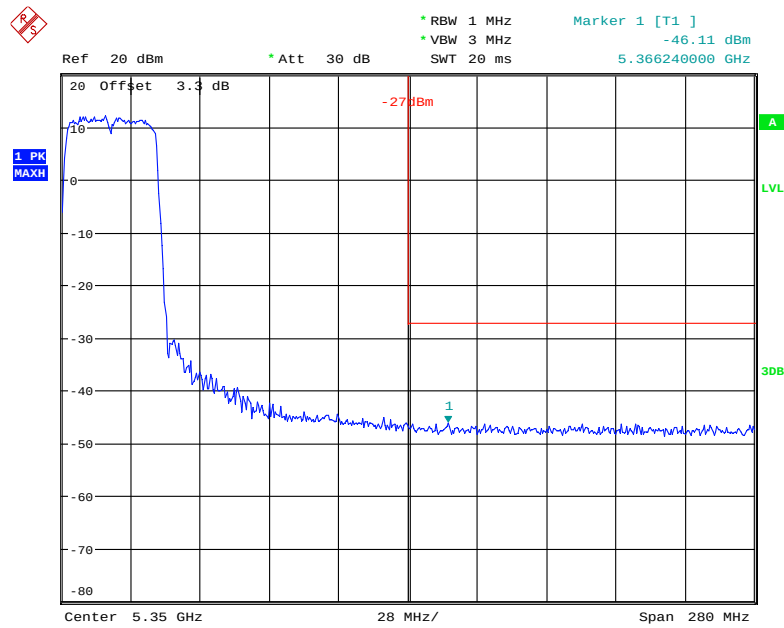
Date: 21.OCT.2017 15:30:25

Chain 3, 802.11n ac40 Low Channel



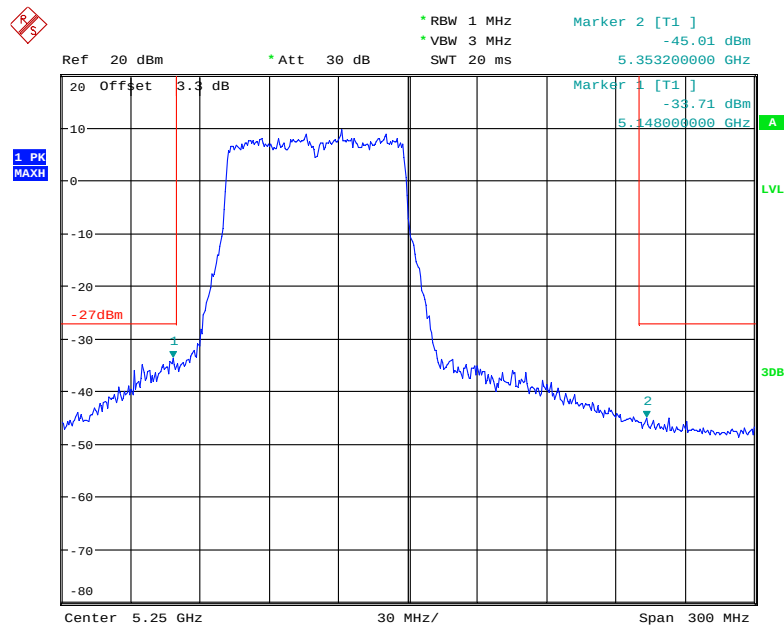
Date: 21.OCT.2017 15:43:45

Chain 3, 802.11n ac40 High Channel

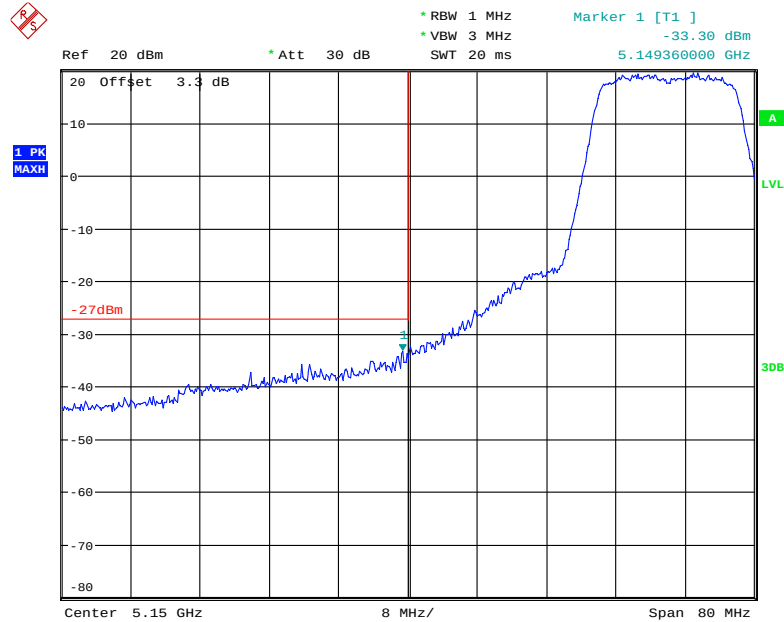


Date: 21.OCT.2017 15:42:08

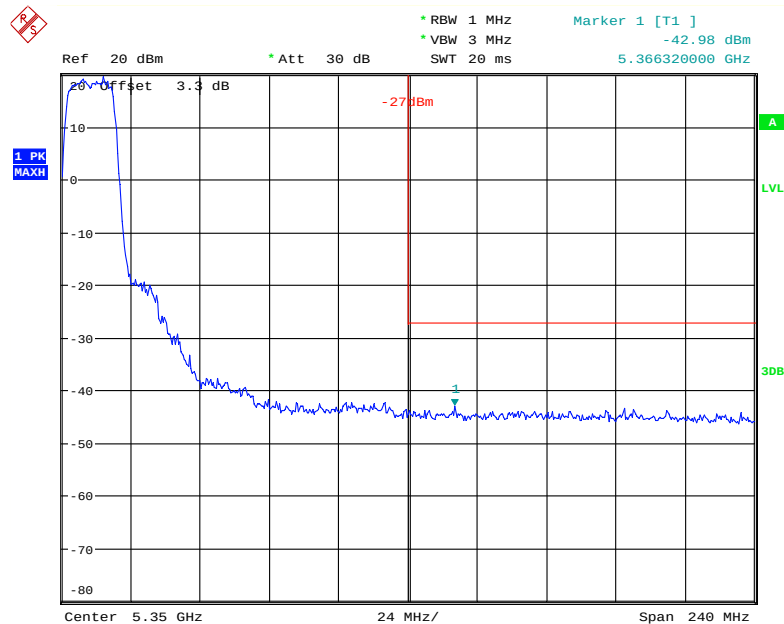
Chain 3, 802.11 ac80 Middle Channel



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

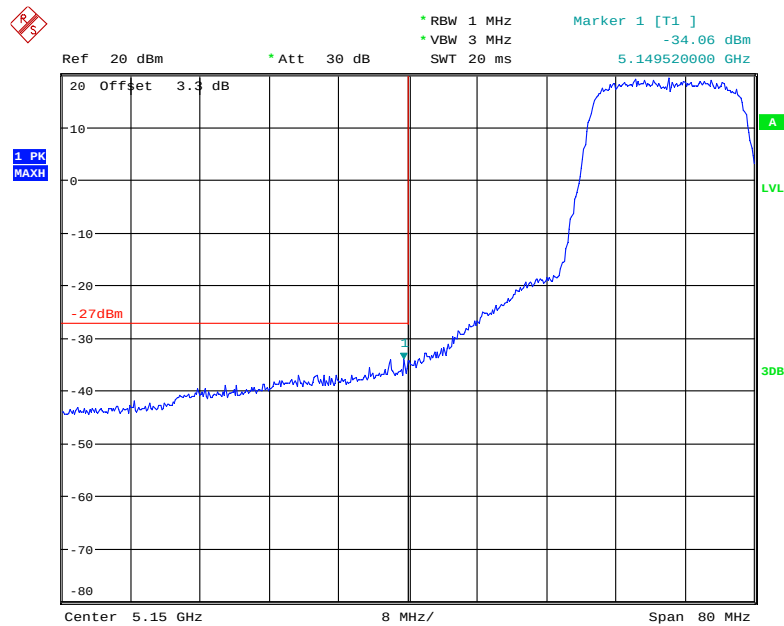
Radio 1
5150-5250MHz:**Chain 0, 802.11a Low Channel**

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

Chain 0, 802.11a High Channel

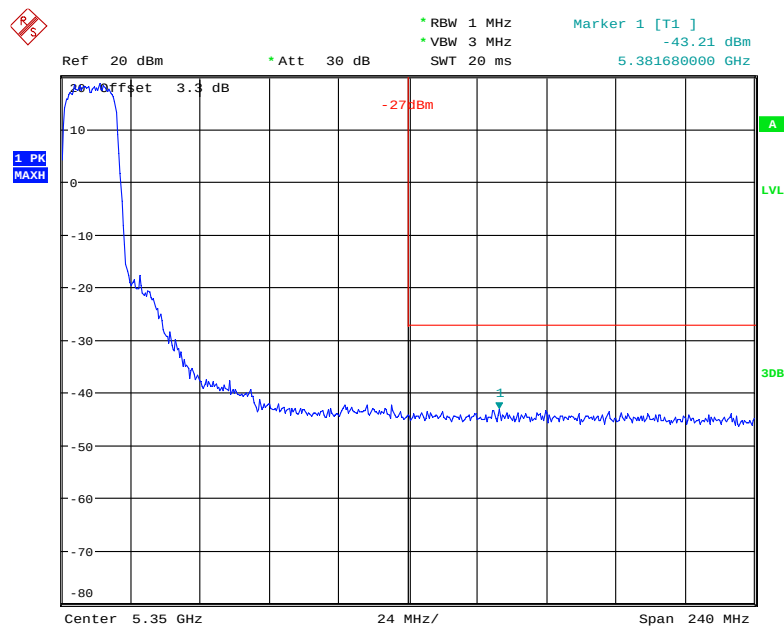
Date: 29.OCT.2017 10:40:52

Chain 0, 802.11n ht20 Low Channel



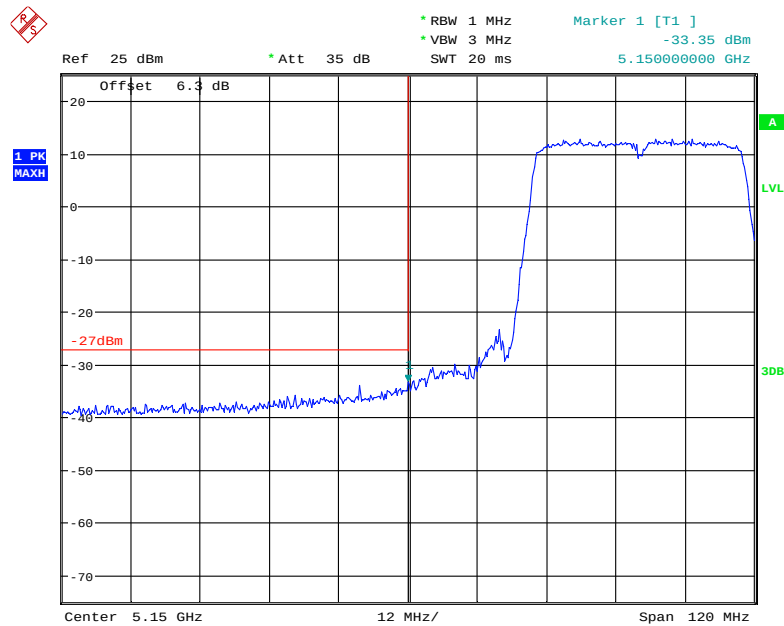
Date: 29.OCT.2017 14:13:56

Chain 0, 802.11n ht20 High Channel



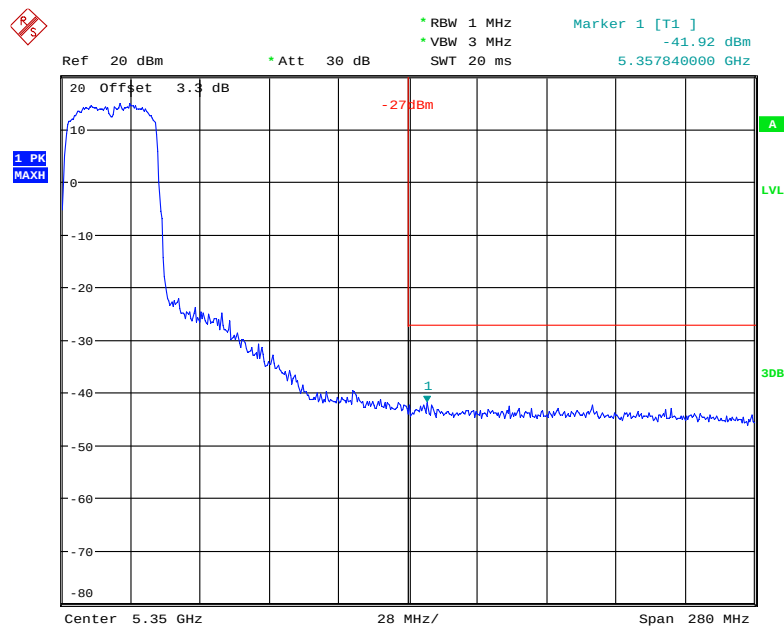
Date: 29.OCT.2017 14:11:16

Chain 0, 802.11n ht40 Low Channel



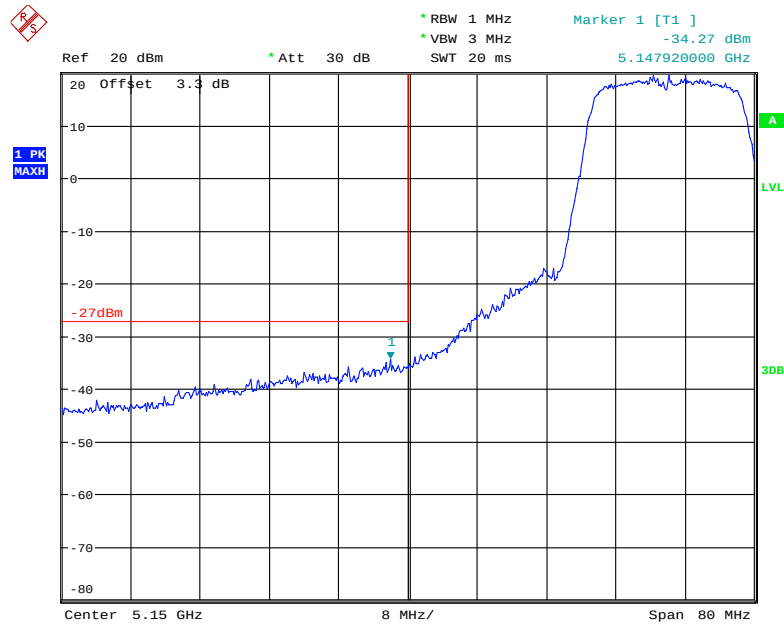
Date: 5.NOV.2017 16:00:11

Chain 0, 802.11n ht40 High Channel



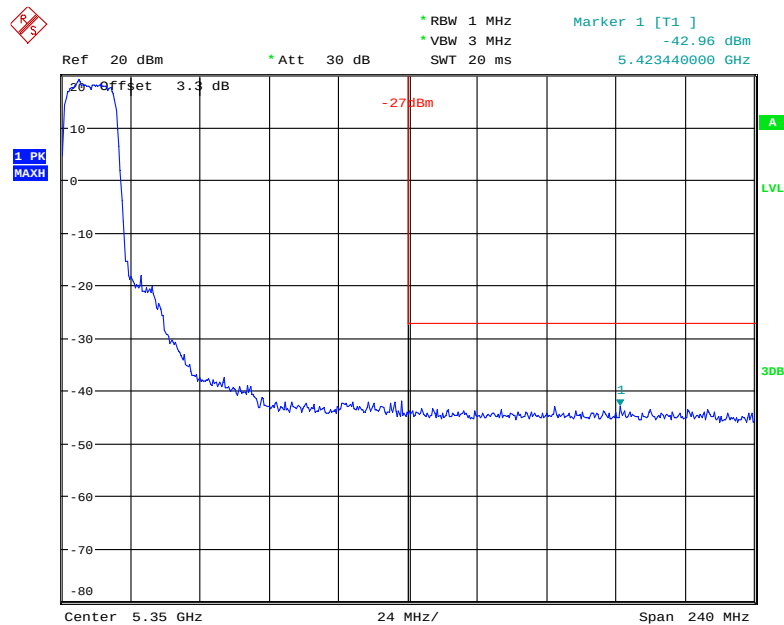
Date: 29.OCT.2017 17:56:28

Chain 0, 802.11n ac20 Low Channel



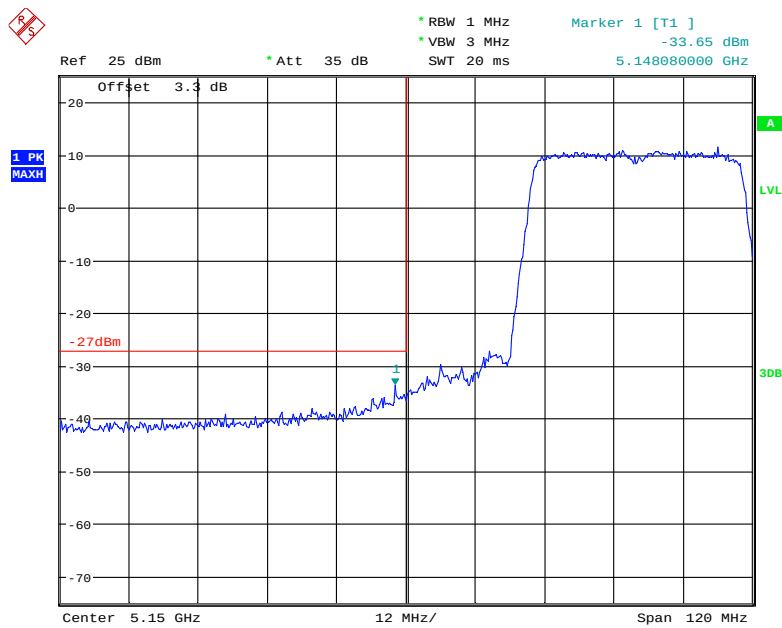
Date: 29.OCT.2017 14:16:05

Chain 0, 802.11n ac20 High Channel



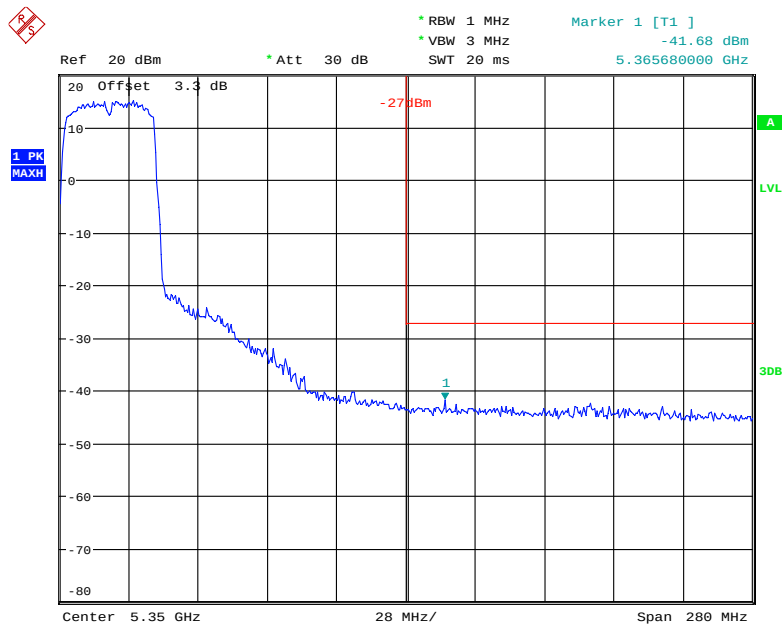
Date: 29.OCT.2017 14:18:42

Chain 0, 802.11n ac40 Low Channel

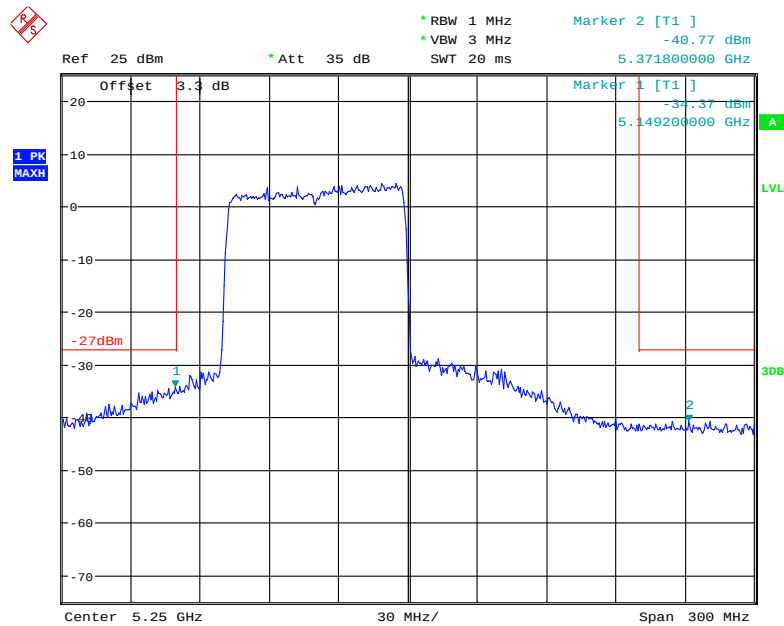


Date: 2.NOV.2017 22:25:32

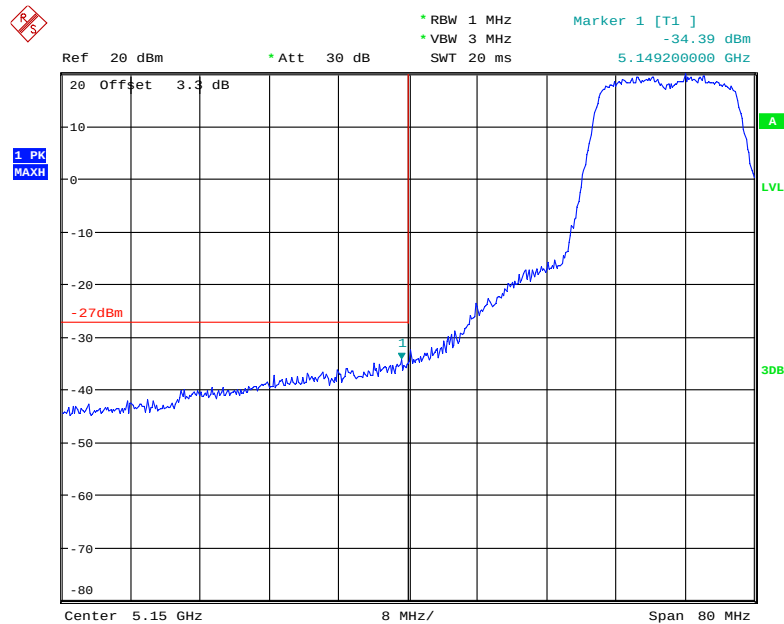
Chain 0, 802.11n ac40 High Channel



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

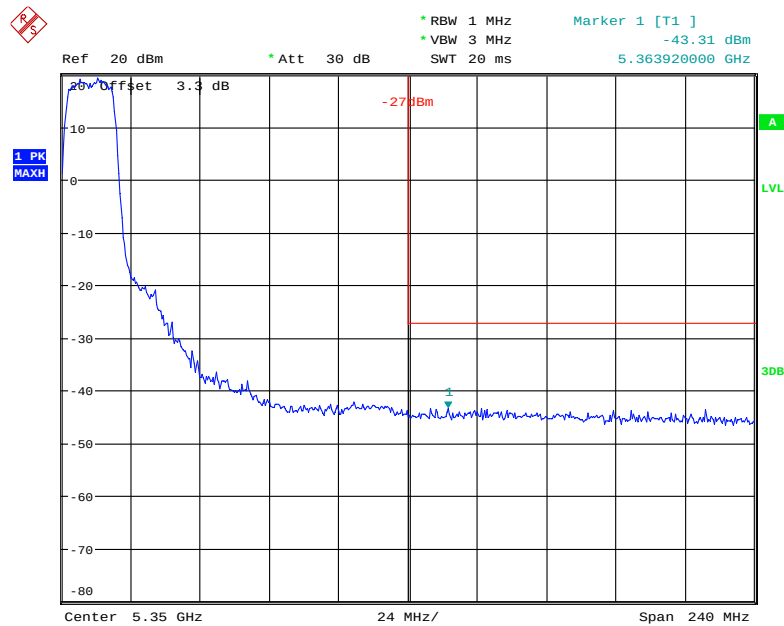
Chain 0, 802.11 ac80 Middle Channel

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

Chain 1, 802.11a Low Channel

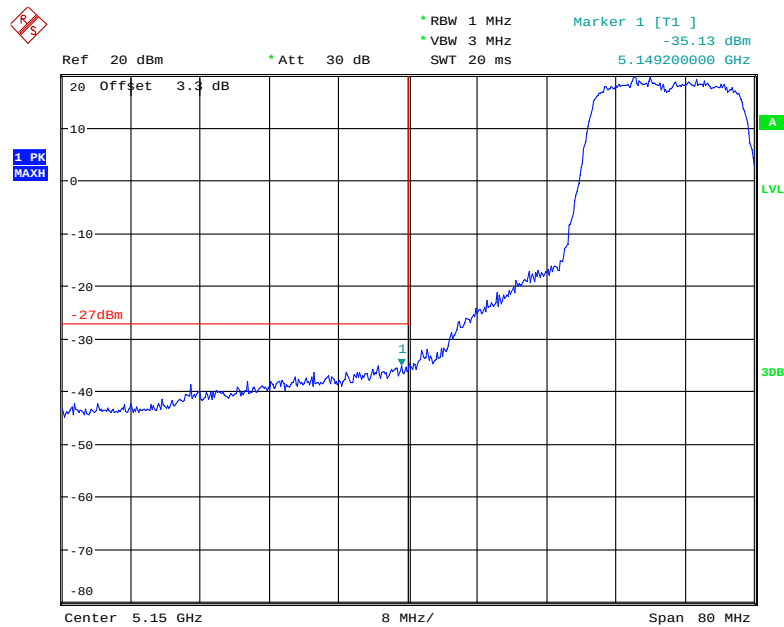
Date: 29.OCT.2017 11:25:17

Chain 1, 802.11a High Channel



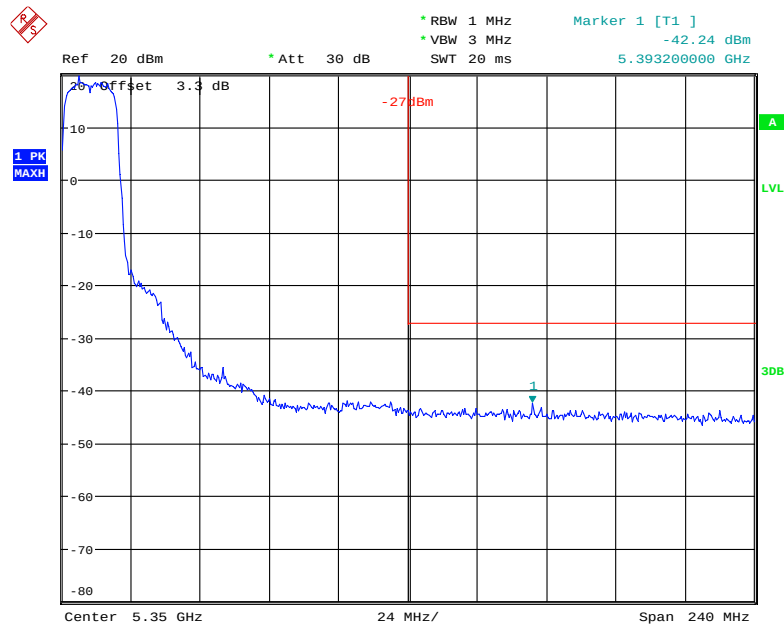
Date: 29.OCT.2017 11:23:04

Chain 1, 802.11n ht20 Low Channel



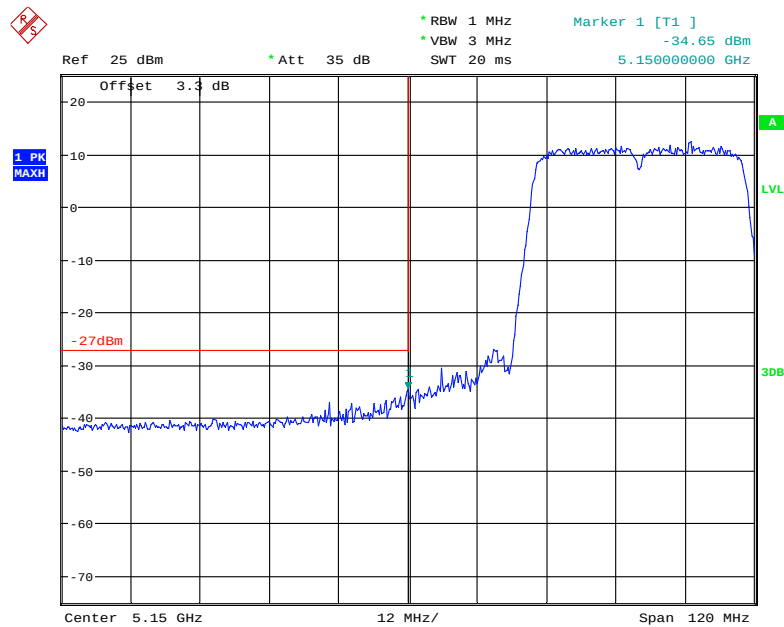
Date: 29.OCT.2017 13:40:00

Chain 1, 802.11n ht20 High Channel



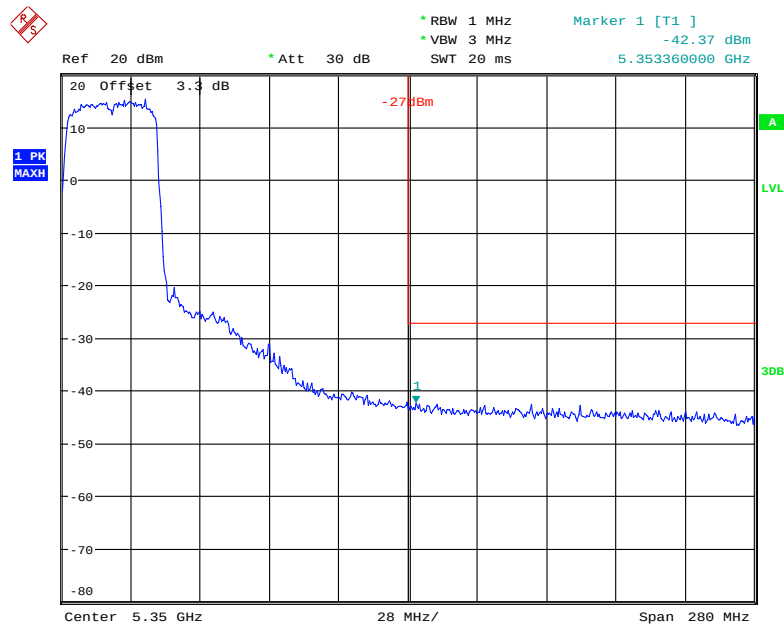
Date: 29.OCT.2017 13:42:52

Chain 1, 802.11n ht40 Low Channel



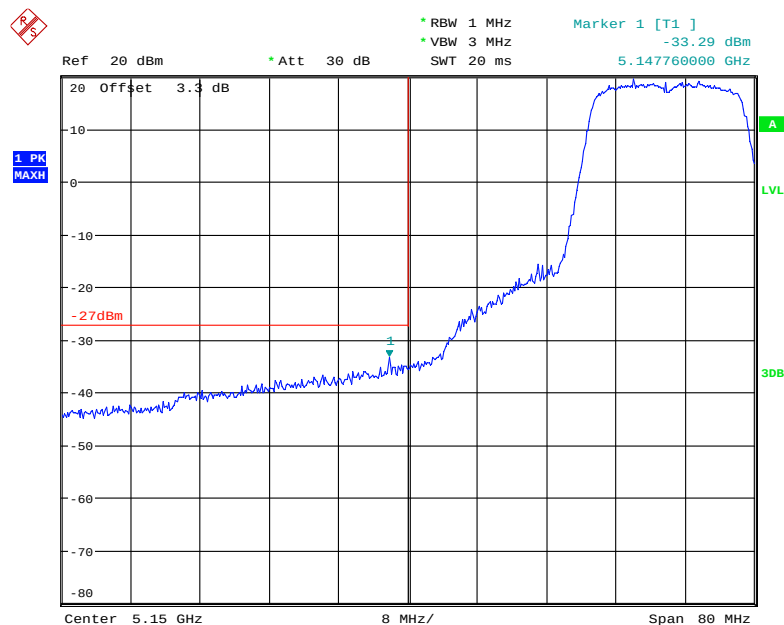
Date: 2.NOV.2017 20:30:52

Chain 1, 802.11n ht40 High Channel



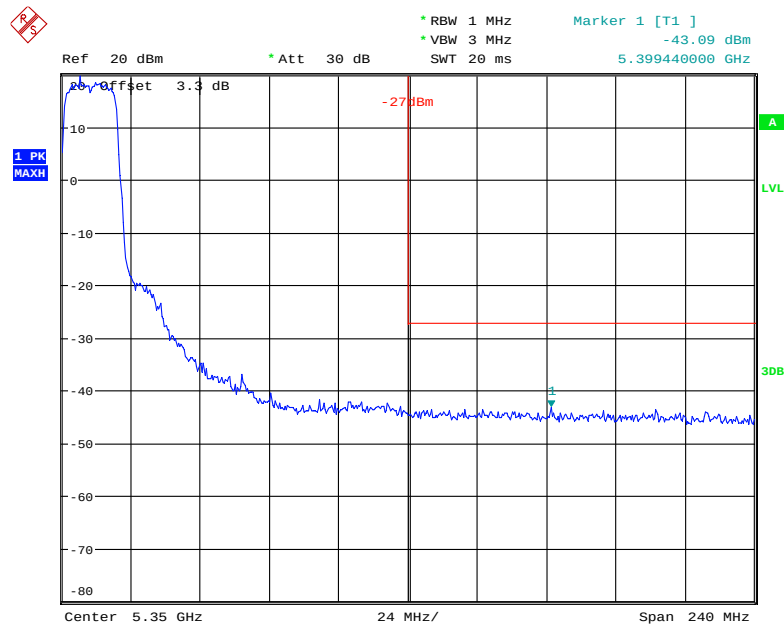
Date: 29.OCT.2017 17:27:36

Chain 1, 802.11n ac20 Low Channel



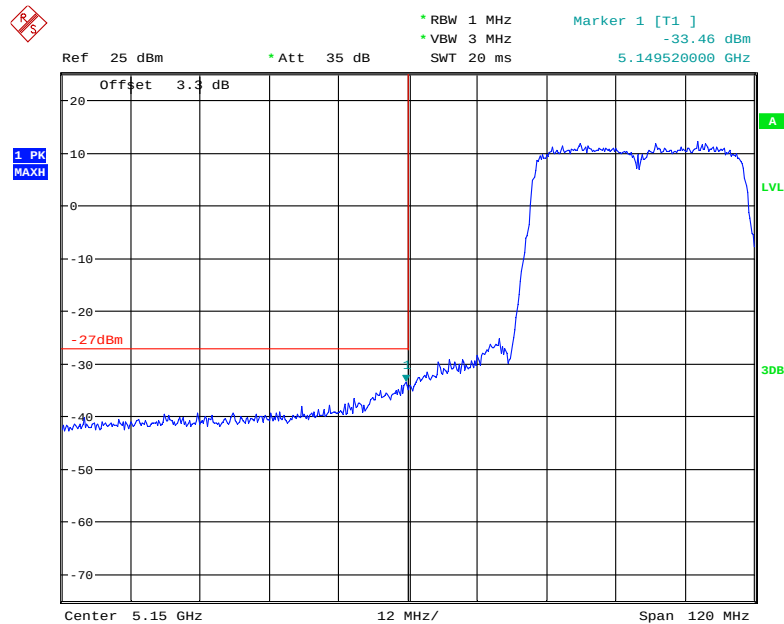
Date: 29.OCT.2017 15:01:34

Chain 1, 802.11n ac20 High Channel



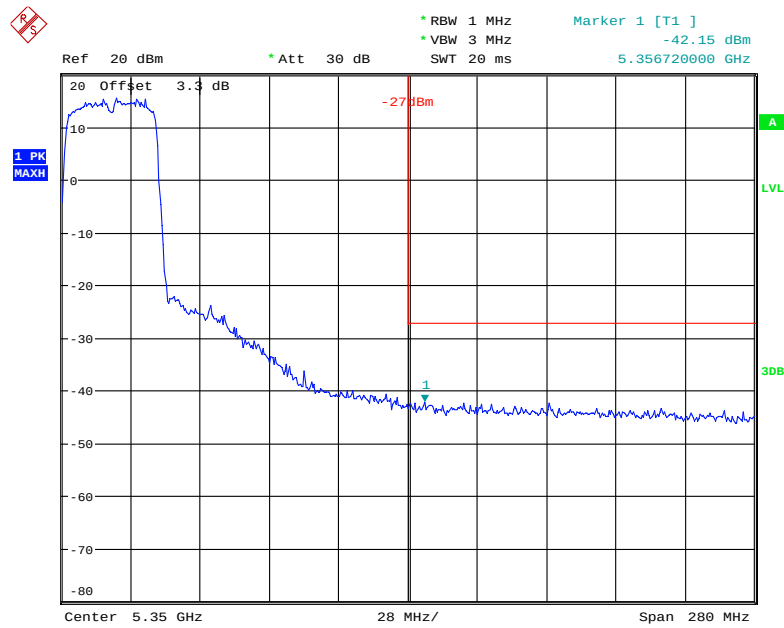
Date: 29.OCT.2017 14:58:21

Chain 1, 802.11n ac40 Low Channel



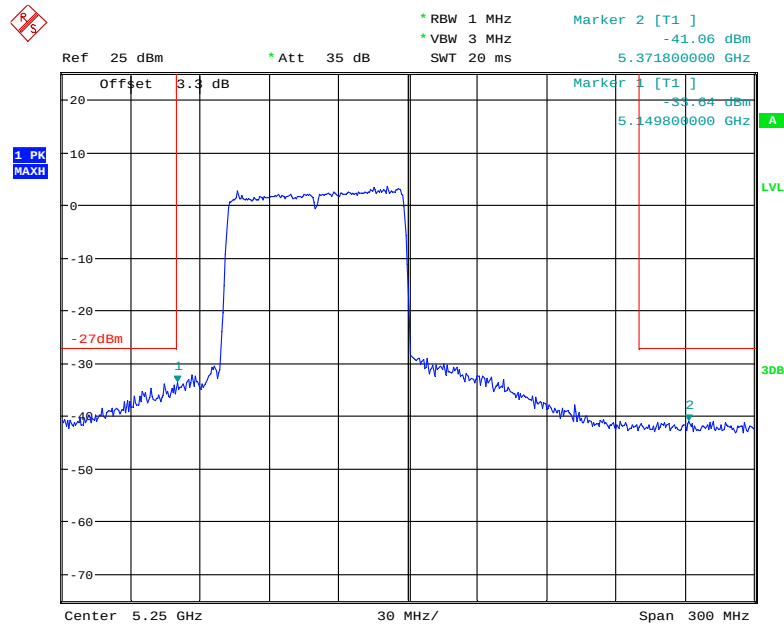
Date: 2.NOV.2017 22:24:38

Chain 1, 802.11n ac40 High Channel



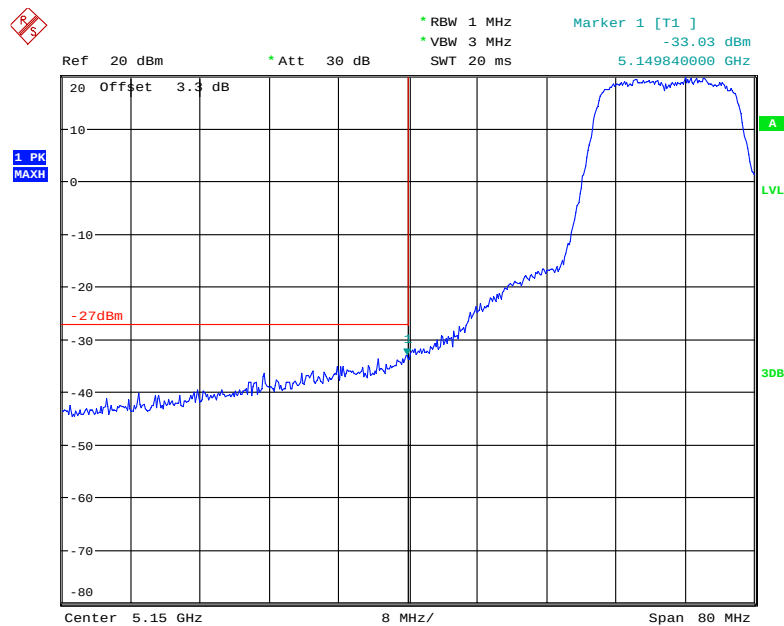
Date: 30.OCT.2017 19:50:13

Chain 1, 802.11 ac80 Middle Channel



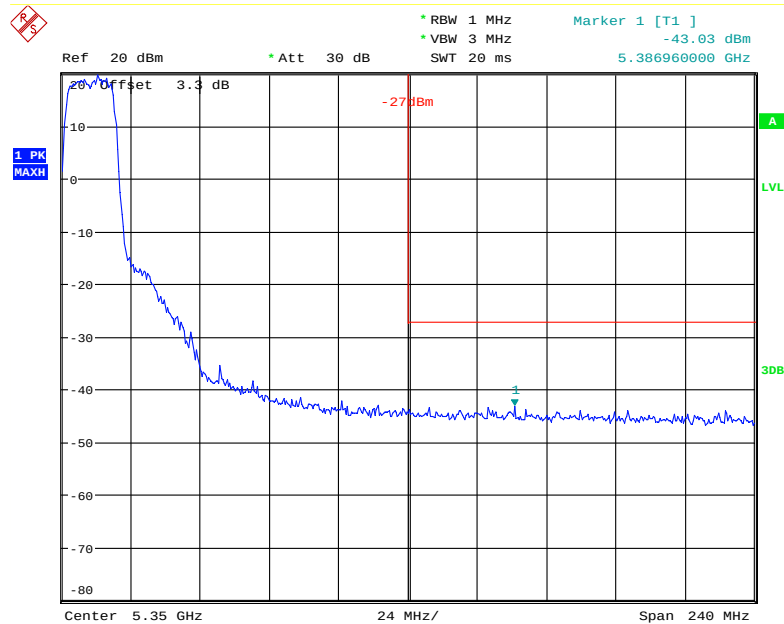
Date: 2.NOV.2017 22:28:24

Chain 2, 802.11a Low Channel



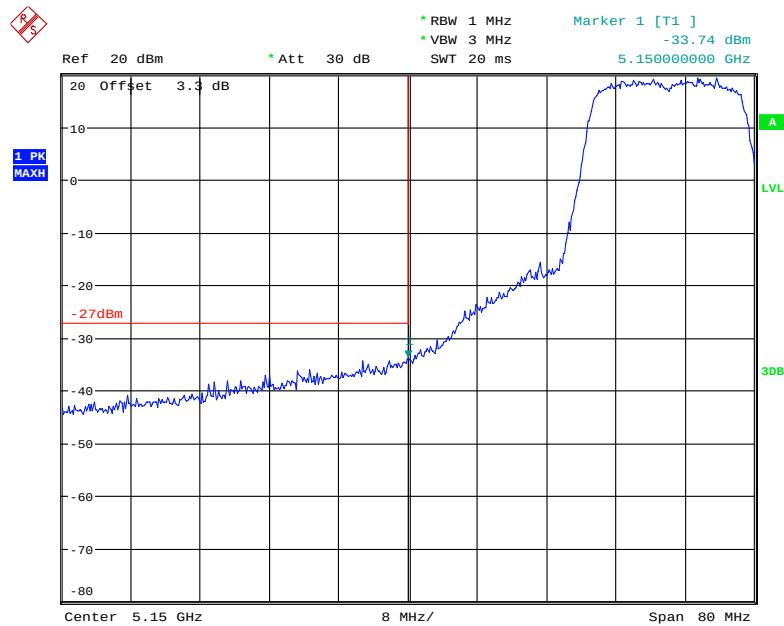
Date: 29.OCT.2017 11:26:52

Chain 2, 802.11a High Channel



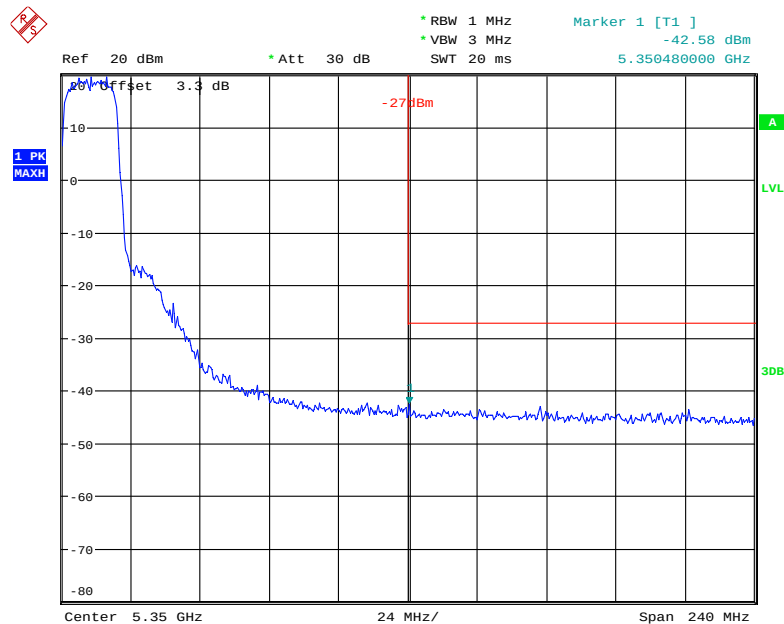
Date: 29.OCT.2017 11:29:08

Chain 2, 802.11n ht20 Low Channel



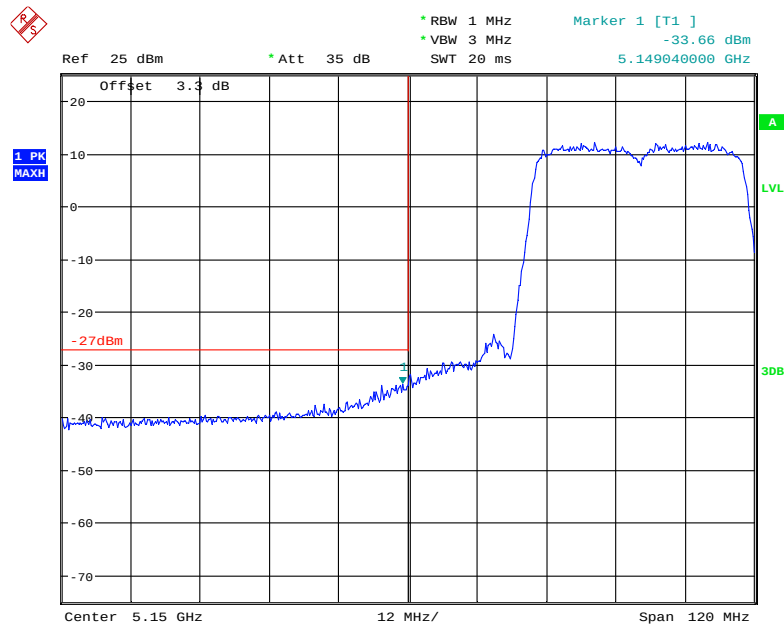
Date: 29.OCT.2017 13:38:16

Chain 2, 802.11n ht20 High Channel



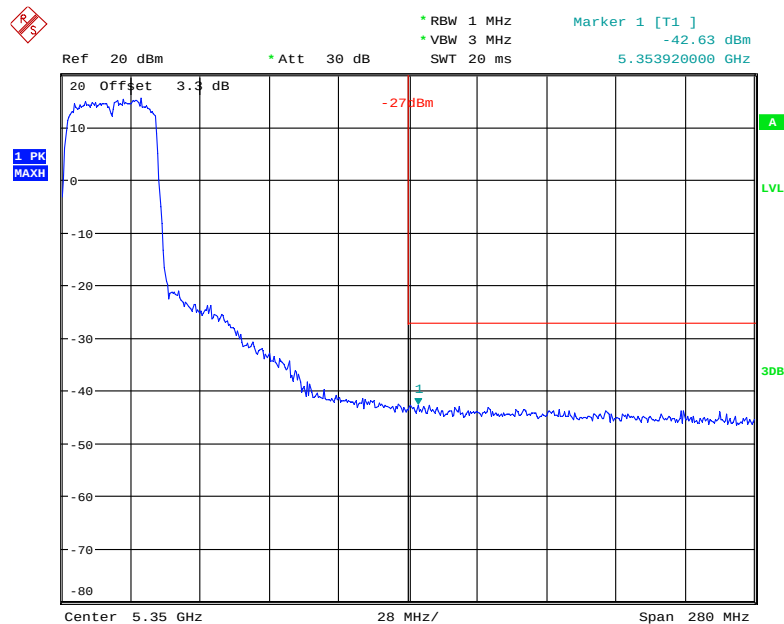
Date: 29.OCT.2017 13:36:00

Chain 2, 802.11n ht40 Low Channel



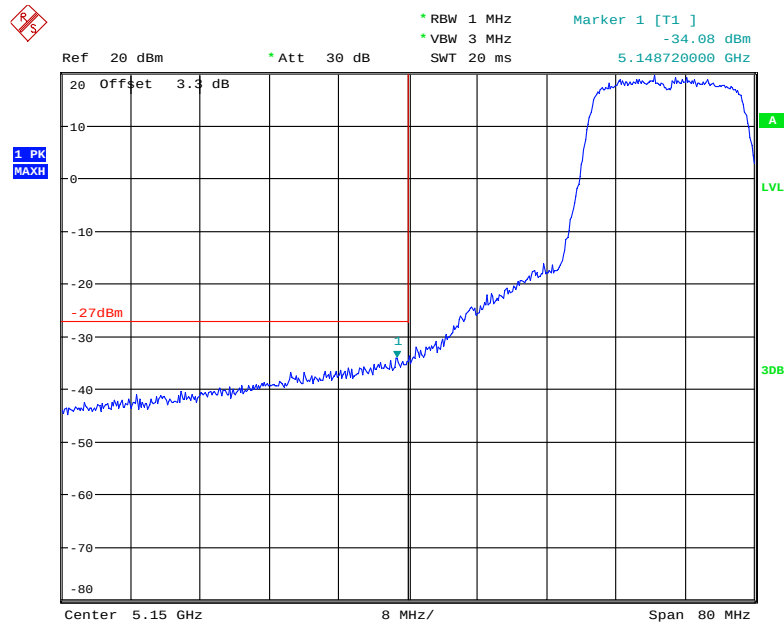
Date: 2.NOV.2017 20:28:46

Chain 2, 802.11n ht40 High Channel



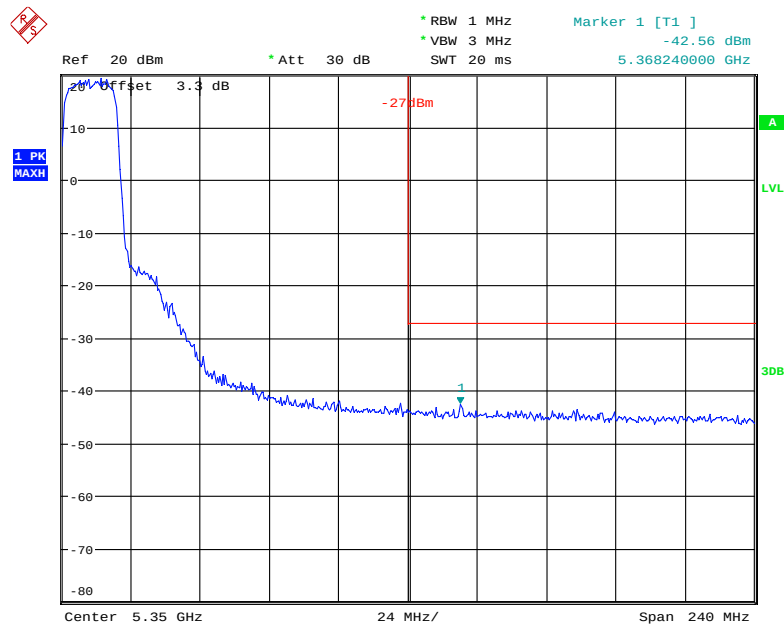
Date: 29.OCT.2017 17:22:05

Chain 2, 802.11n ac20 Low Channel



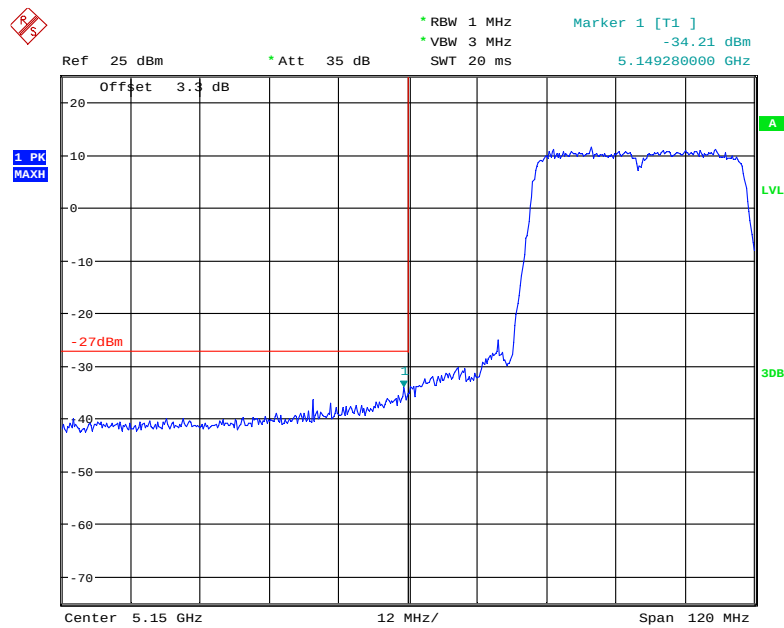
Date: 29.OCT.2017 15:03:20

Chain 2, 802.11n ac20 High Channel



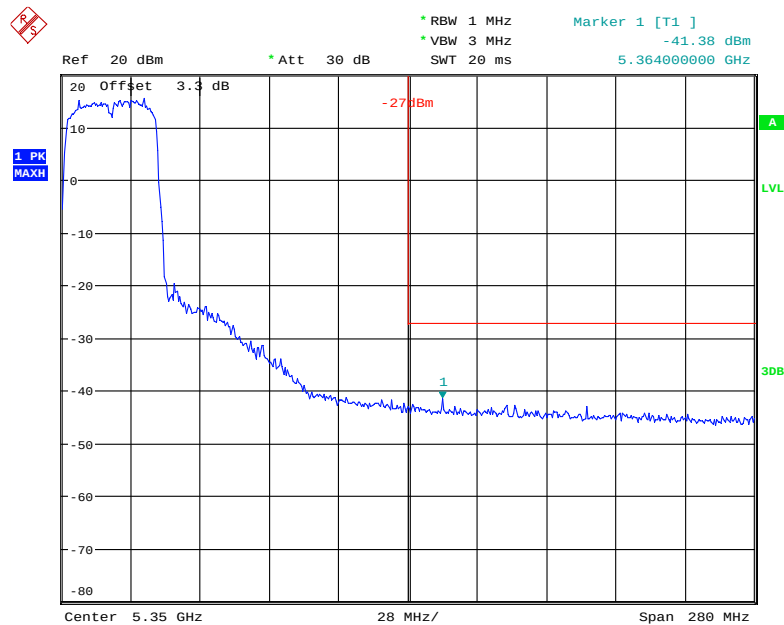
Date: 29.OCT.2017 15:08:04

Chain 2, 802.11n ac40 Low Channel



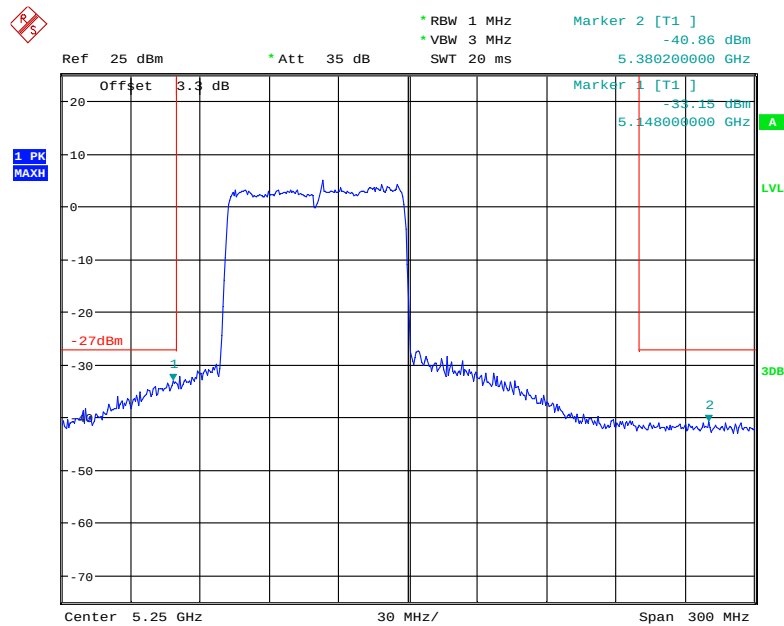
Date: 2.NOV.2017 20:29:26

Chain 2, 802.11n ac40 High Channel



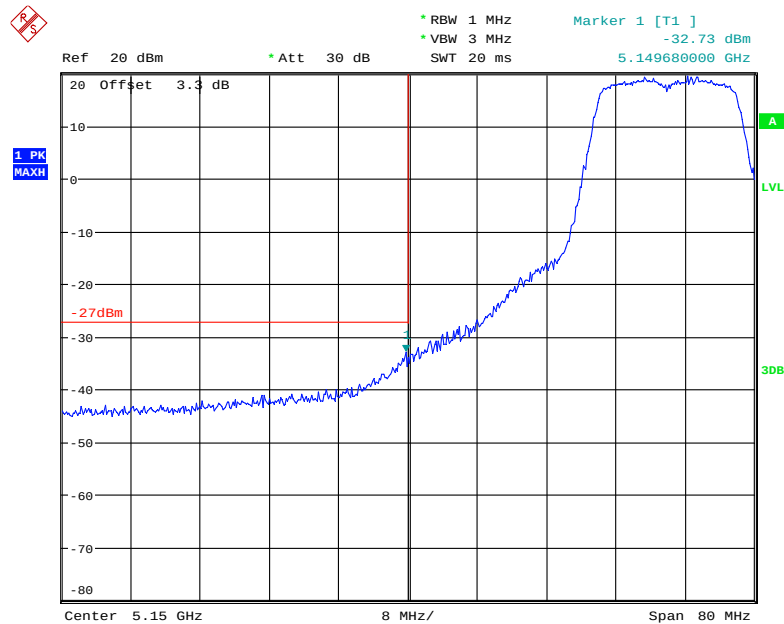
Date: 30.OCT.2017 19:56:08

Chain 2, 802.11 ac80 Middle Channel



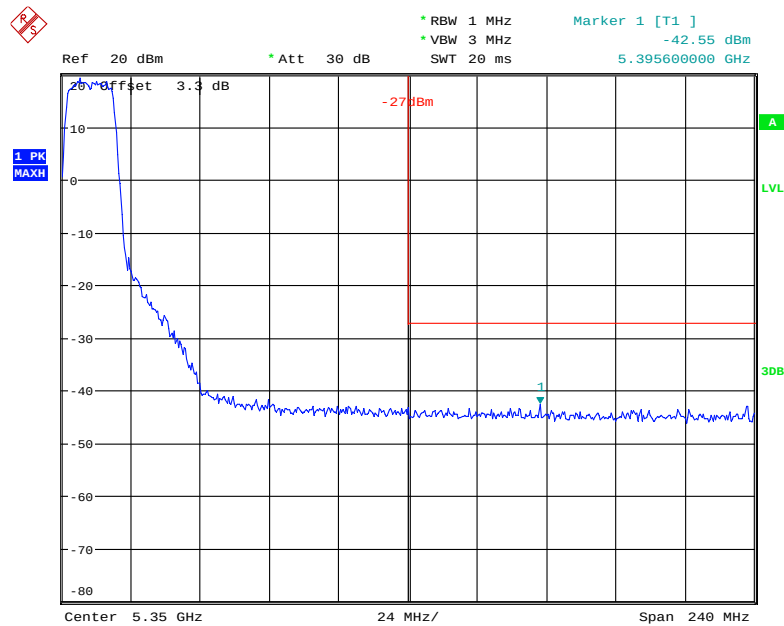
Date: 2.NOV.2017 22:31:10

Chain 3, 802.11a Low Channel



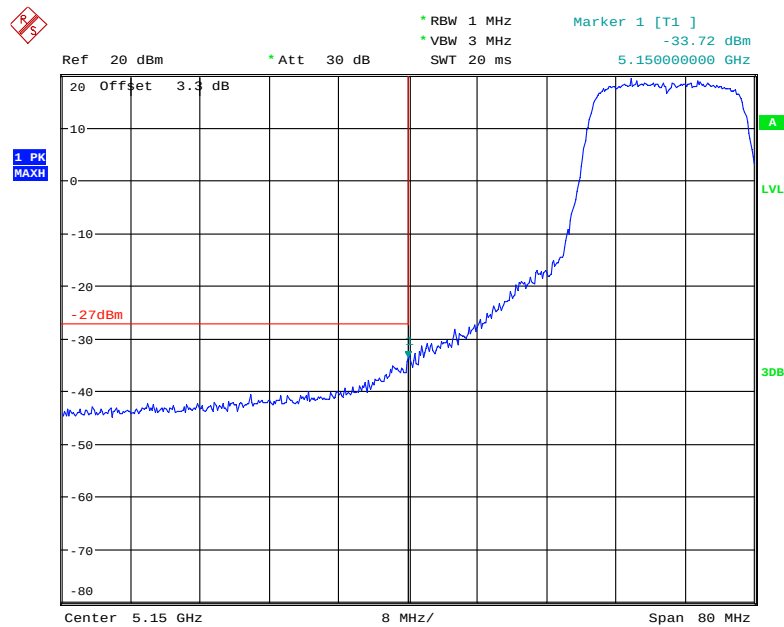
Date: 29.OCT.2017 12:00:02

Chain 3, 802.11a High Channel



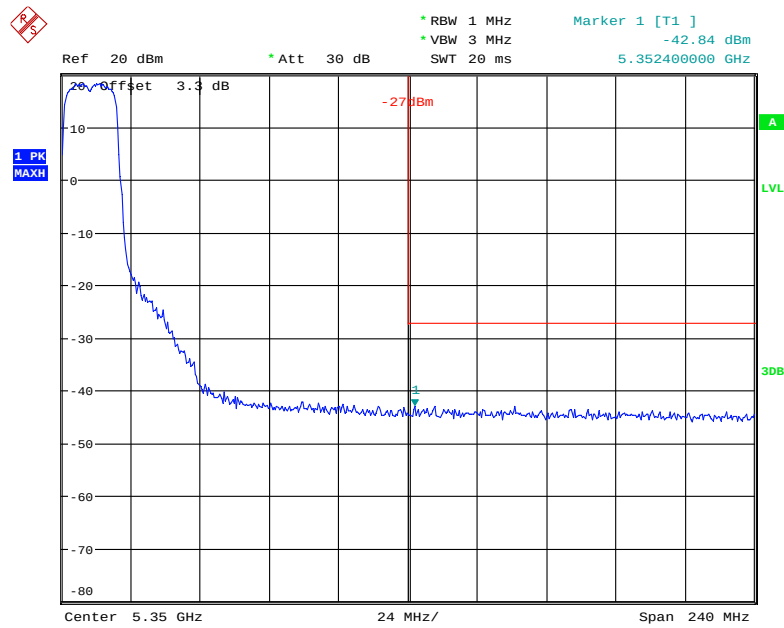
Date: 29.OCT.2017 11:57:47

Chain 3, 802.11n ht20 Low Channel



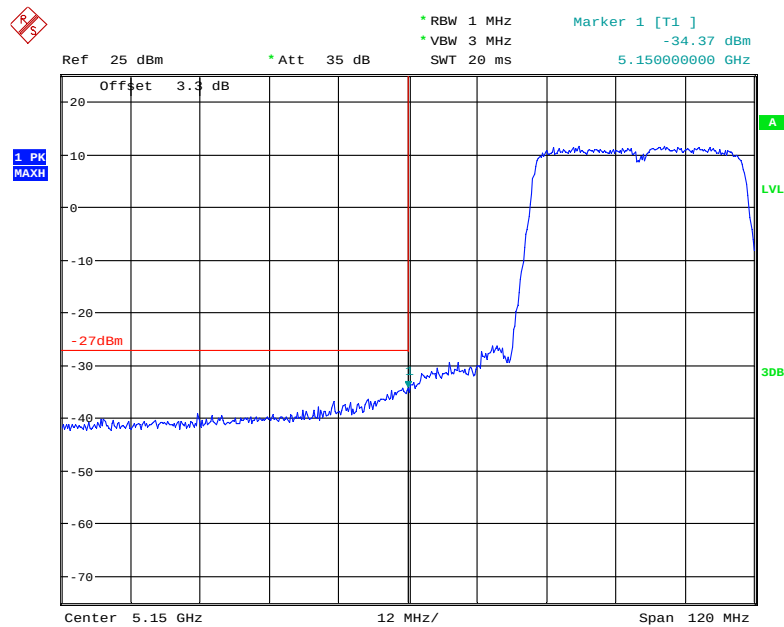
Date: 29.OCT.2017 12:02:49

Chain 3, 802.11n ht20 High Channel



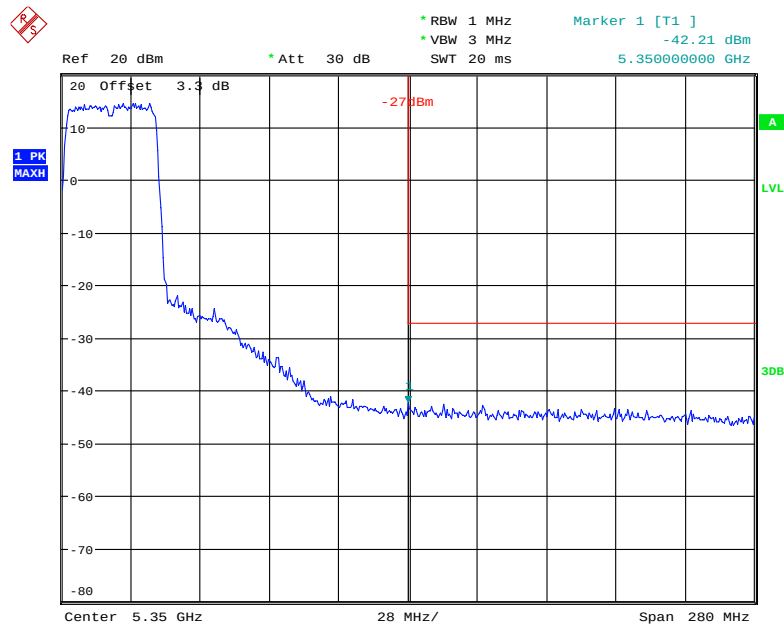
Date: 29.OCT.2017 12:05:13

Chain 3, 802.11n ht40 Low Channel



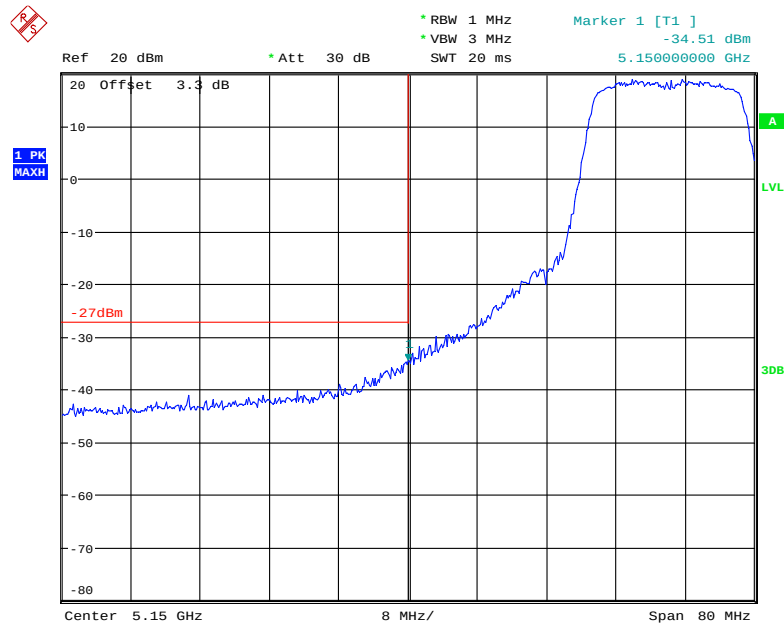
Date: 1.NOV.2017 22:41:48

Chain 3, 802.11n ht40 High Channel



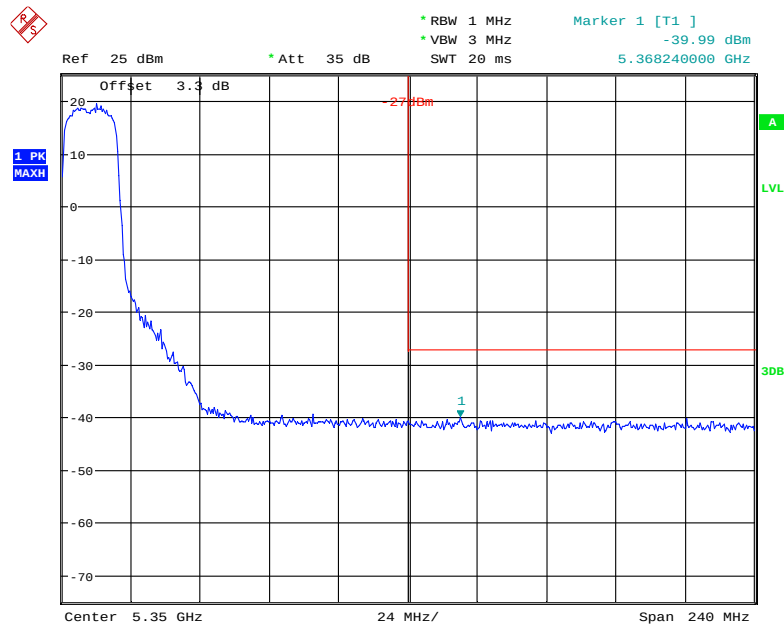
Date: 29.OCT.2017 15:49:31

Chain 3, 802.11n ac20 Low Channel



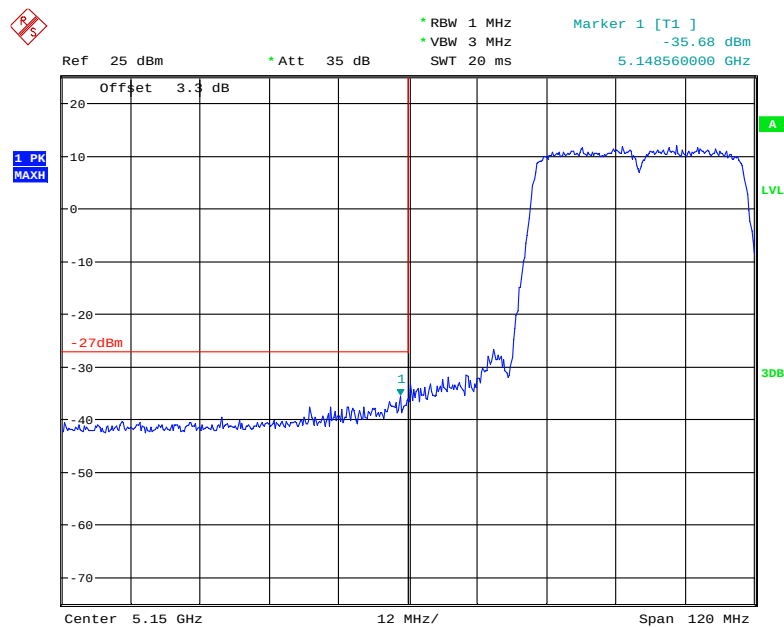
Date: 29.OCT.2017 15:42:40

Chain 3, 802.11n ac20 High Channel



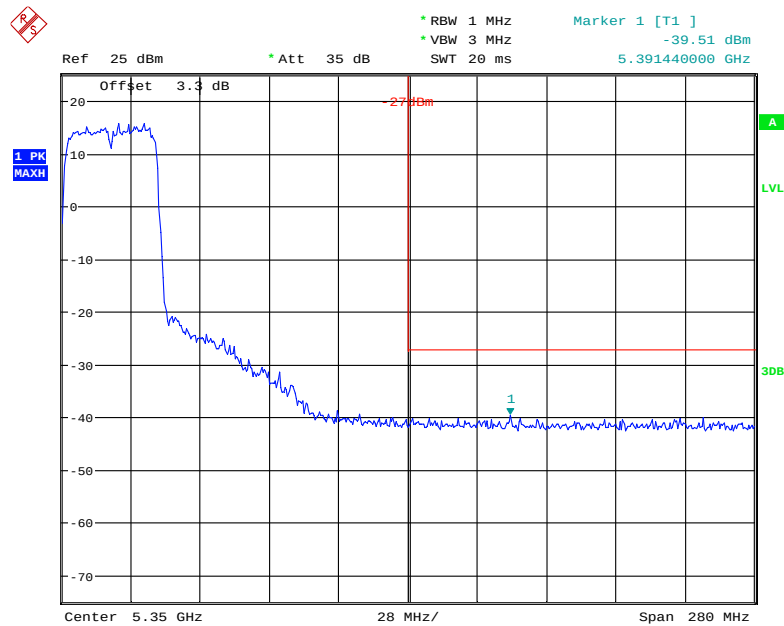
Date: 2.NOV.2017 19:45:52

Chain 3, 802.11n ac40 Low Channel



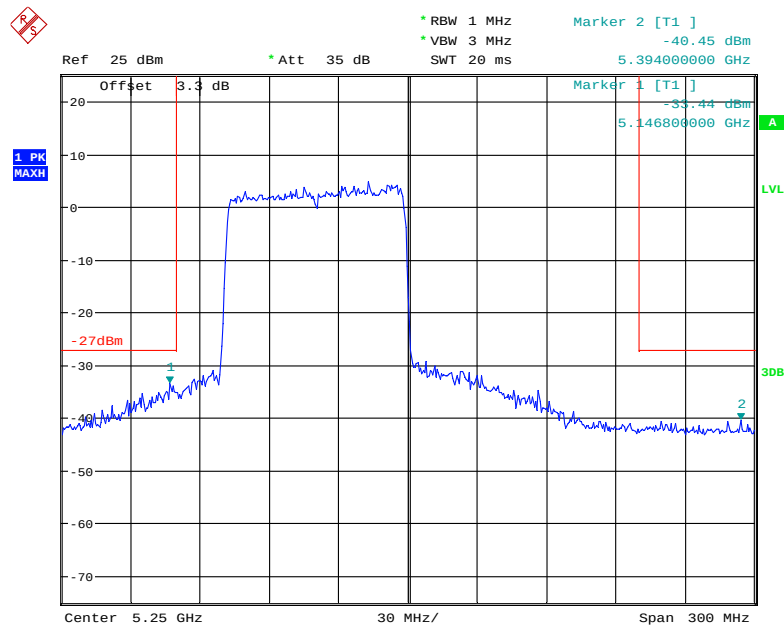
Date: 2.NOV.2017 22:21:41

Chain 3, 802.11n ac40 High Channel



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

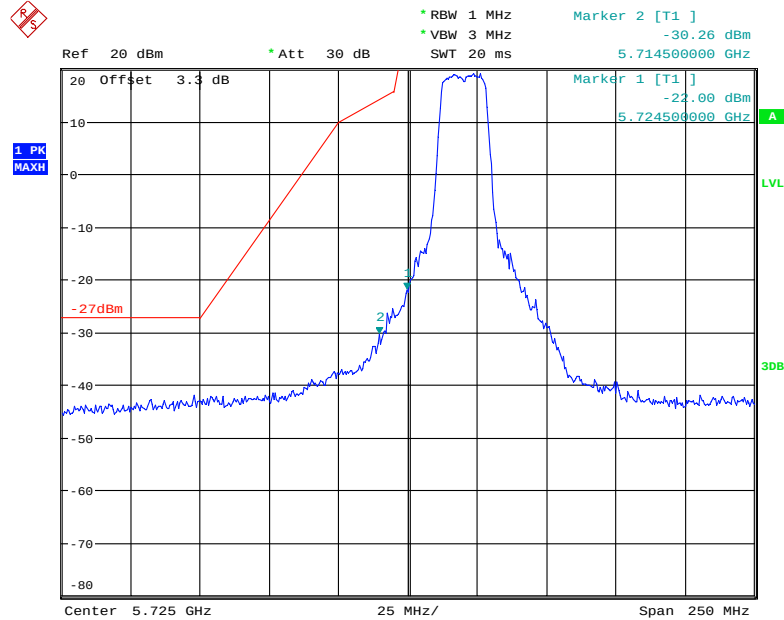
Chain 3, 802.11 ac80 Middle Channel



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

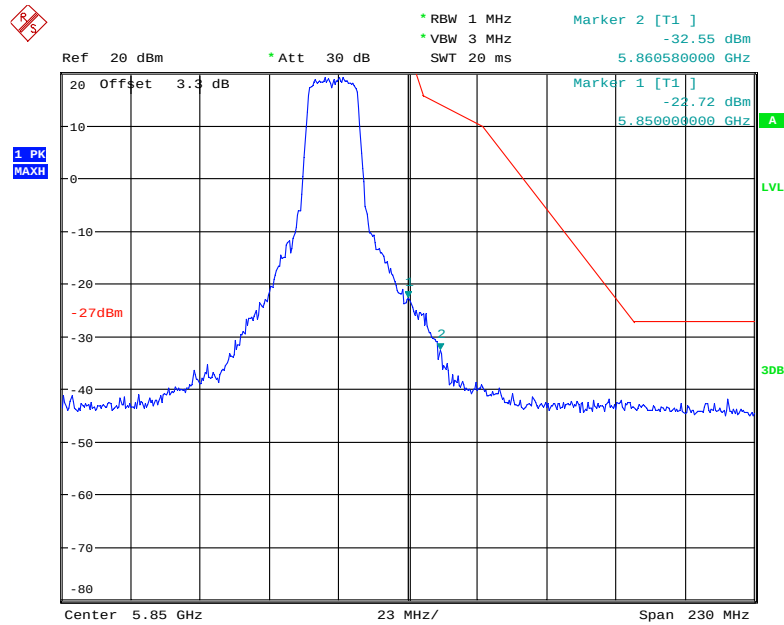
5725-5850MHz:

Chain 0, 802.11a Low Channel



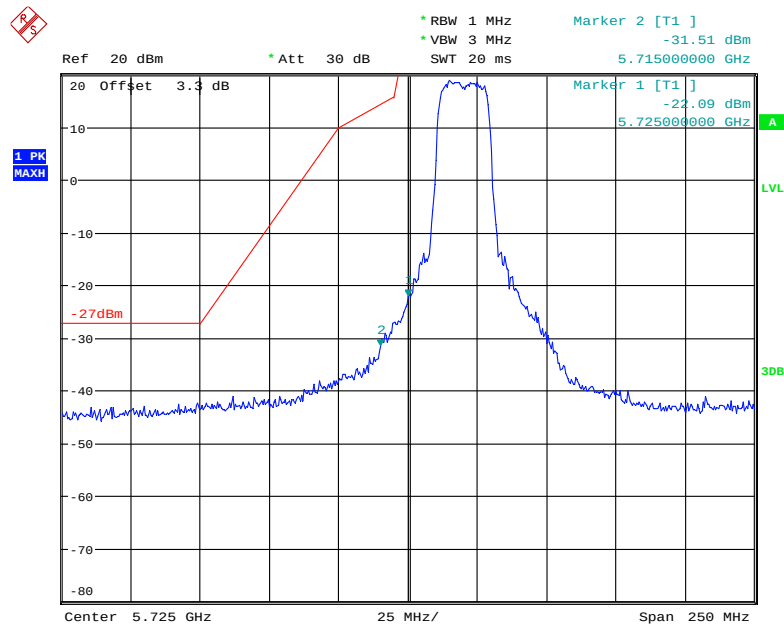
Date: 29.OCT.2017 10:50:52

Chain 0, 802.11a High Channel



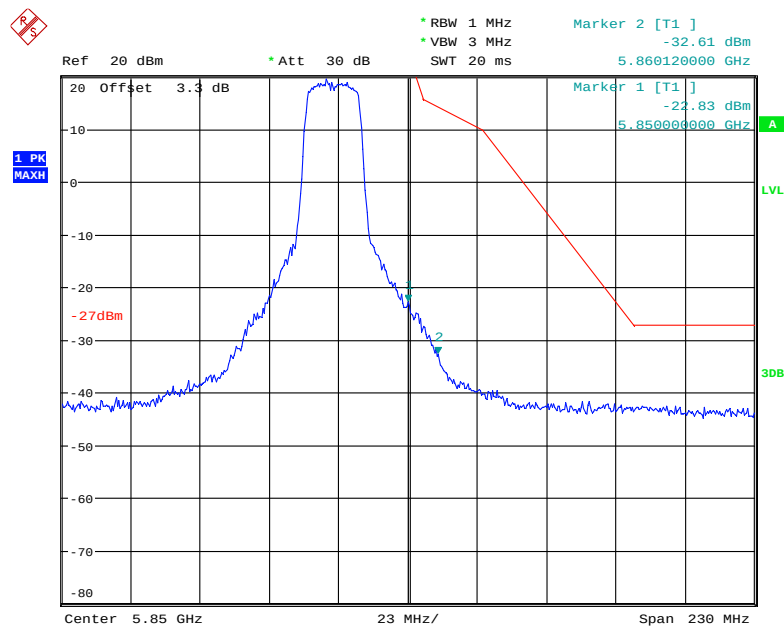
Date: 29.OCT.2017 10:54:09

Chain 0, 802.11n ht20 Low Channel



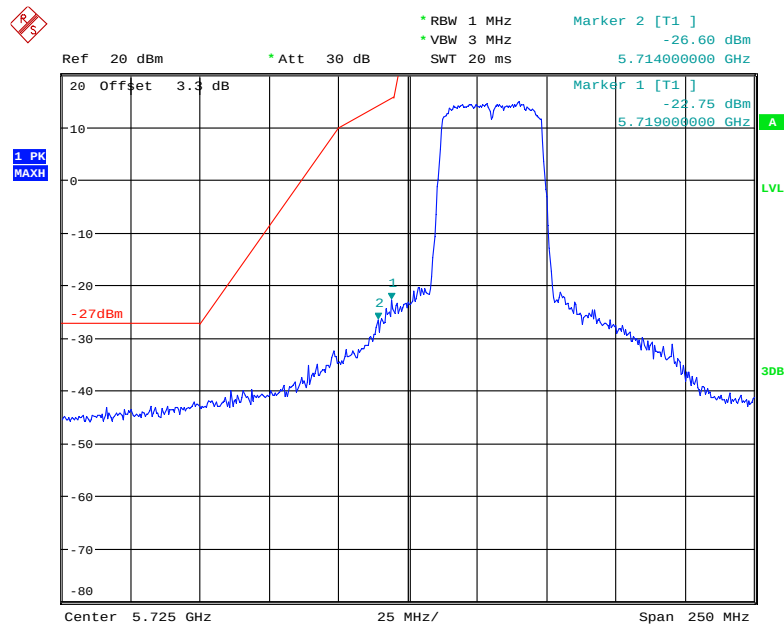
Date: 29.OCT.2017 14:01:24

Chain 0, 802.11n ht20 High Channel



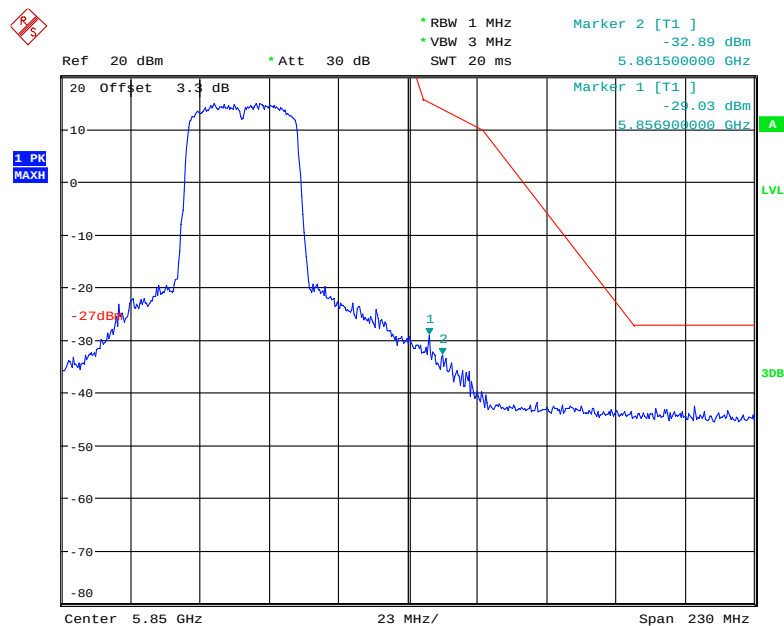
Date: 29.OCT.2017 13:58:11

Chain 0, 802.11n ht40 Low Channel



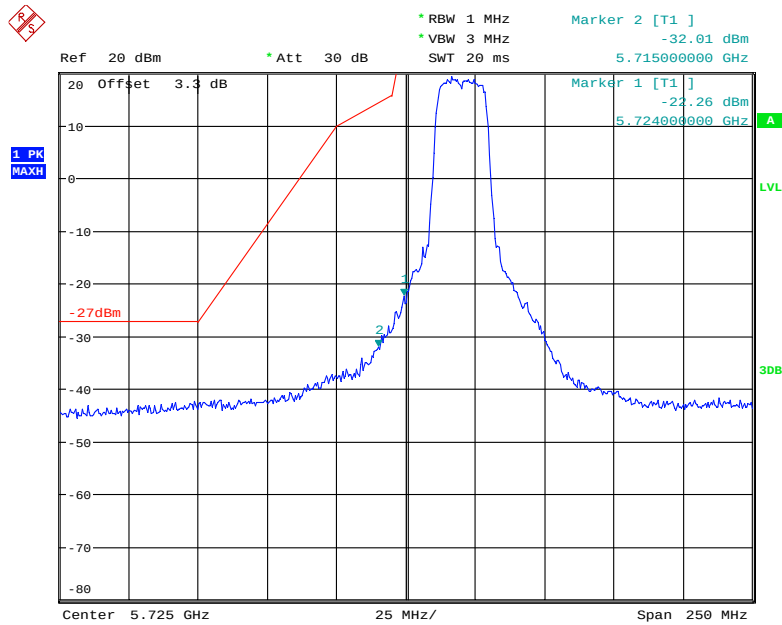
Date: 29.OCT.2017 17:44:16

Chain 0, 802.11n ht40 High Channel



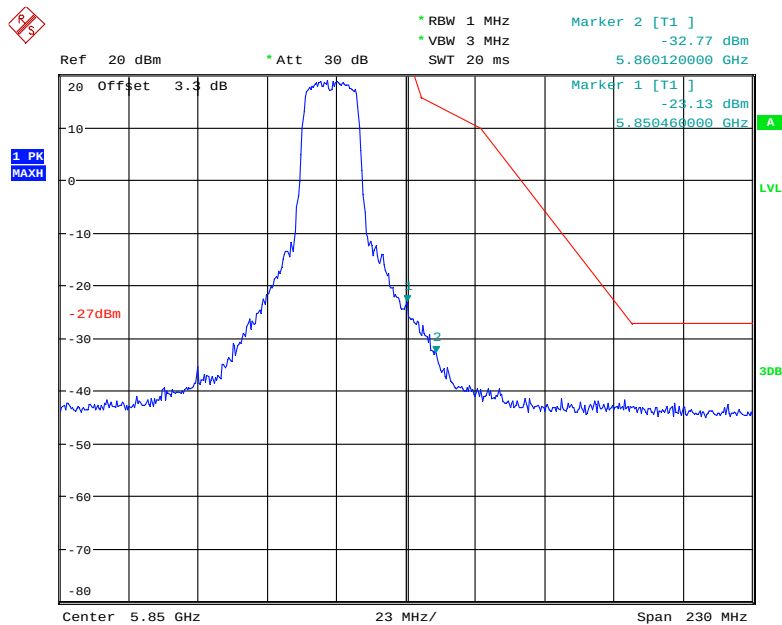
Date: 29.OCT.2017 17:42:15

Chain 0, 802.11n ac20 Low Channel



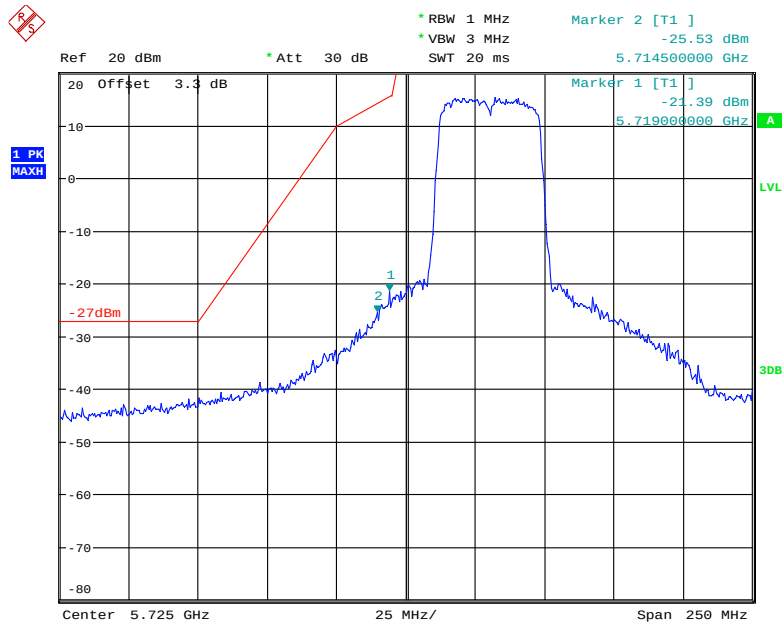
Date: 29.OCT.2017 14:29:35

Chain 0, 802.11n ac20 High Channel



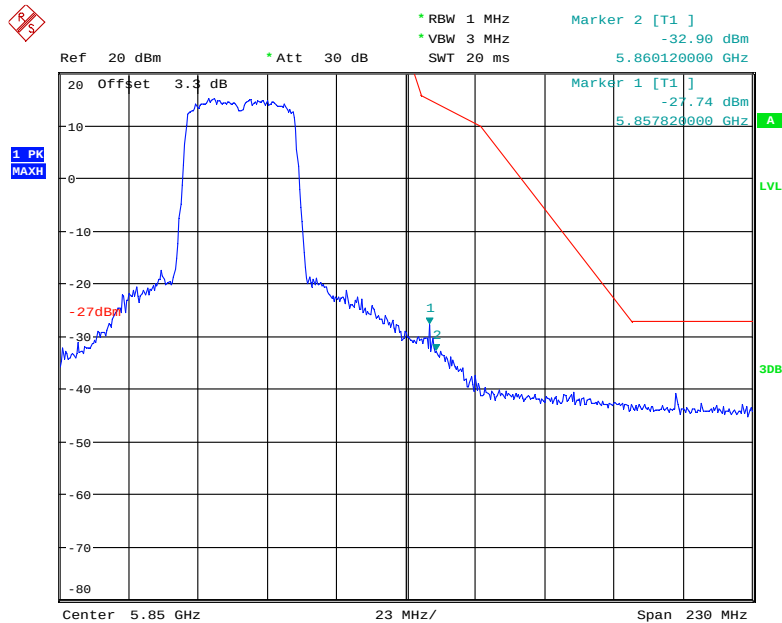
Date: 29.OCT.2017 14:32:46

Chain 0, 802.11n ac40 Low Channel



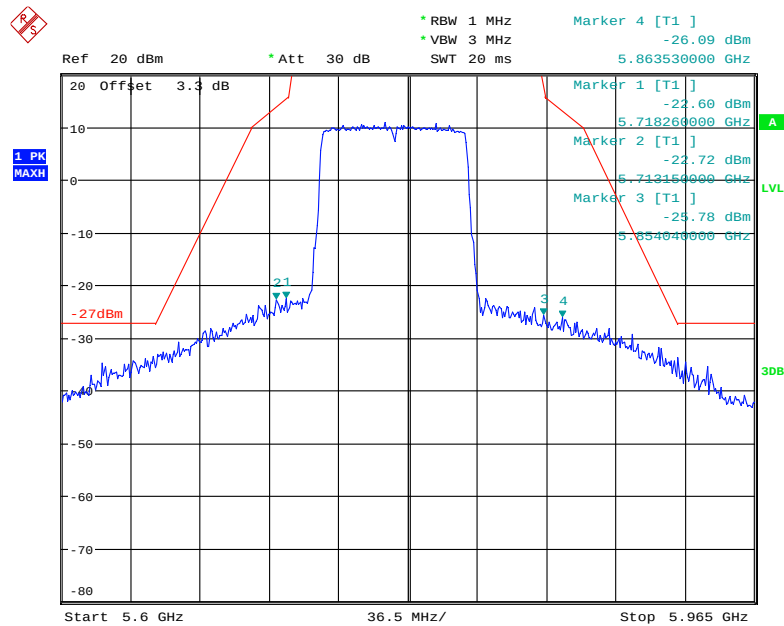
Date: 30.OCT.2017 19:00:46

Chain 0, 802.11n ac40 High Channel



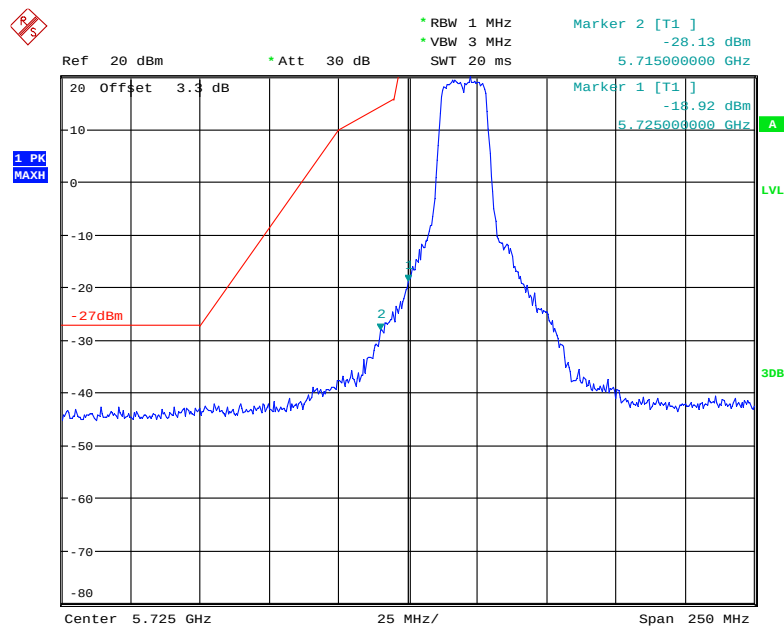
Date: 30.OCT.2017 19:02:35

Chain 0, 802.11 ac80 Middle Channel



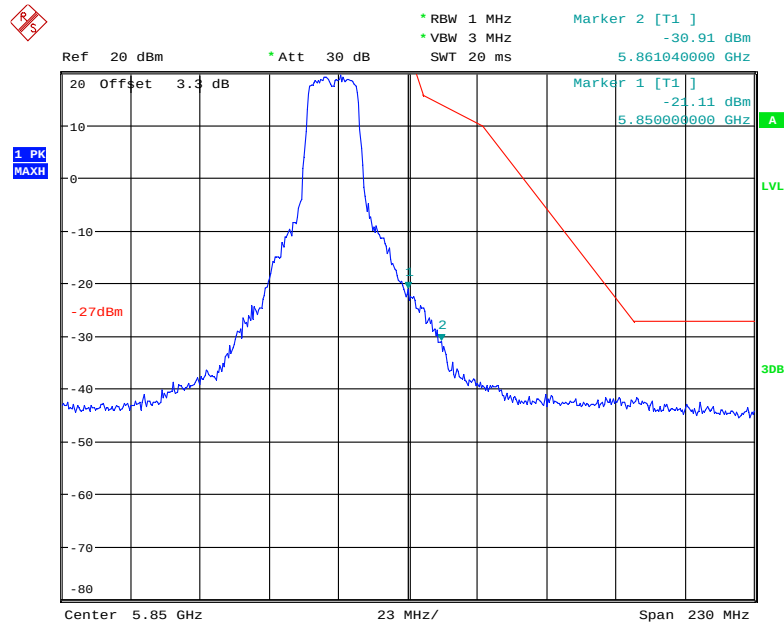
Date: 30.OCT.2017 22:21:35

Chain 1, 802.11a Low Channel



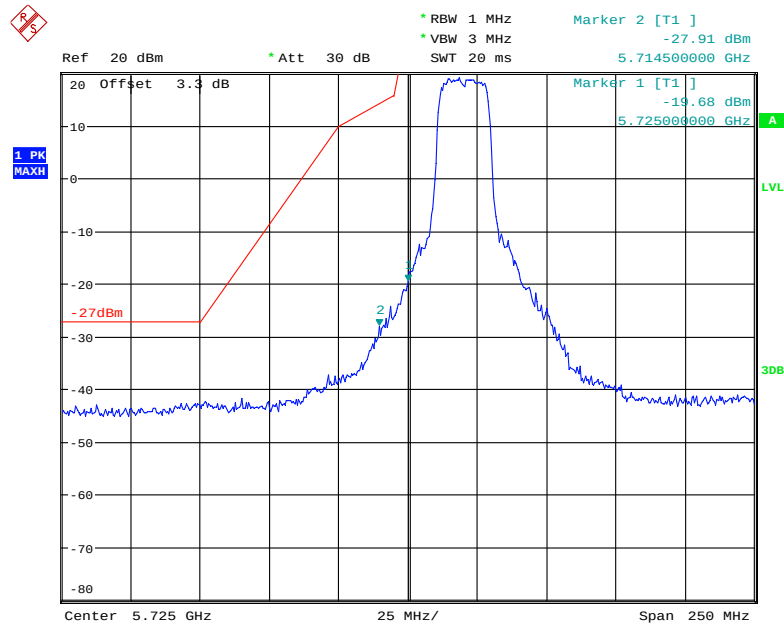
Date: 29.OCT.2017 10:59:37

Chain 1, 802.11a High Channel



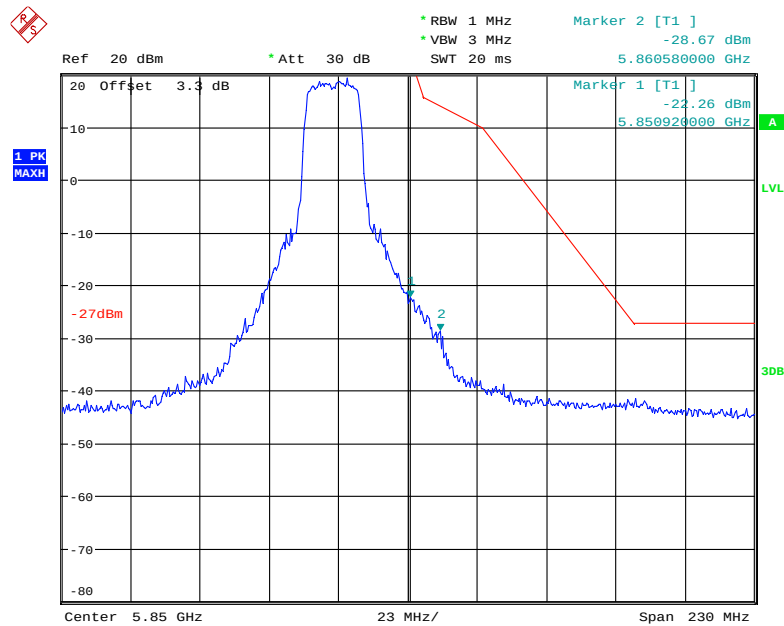
Date: 29.OCT.2017 10:56:42

Chain 1, 802.11n ht20 Low Channel



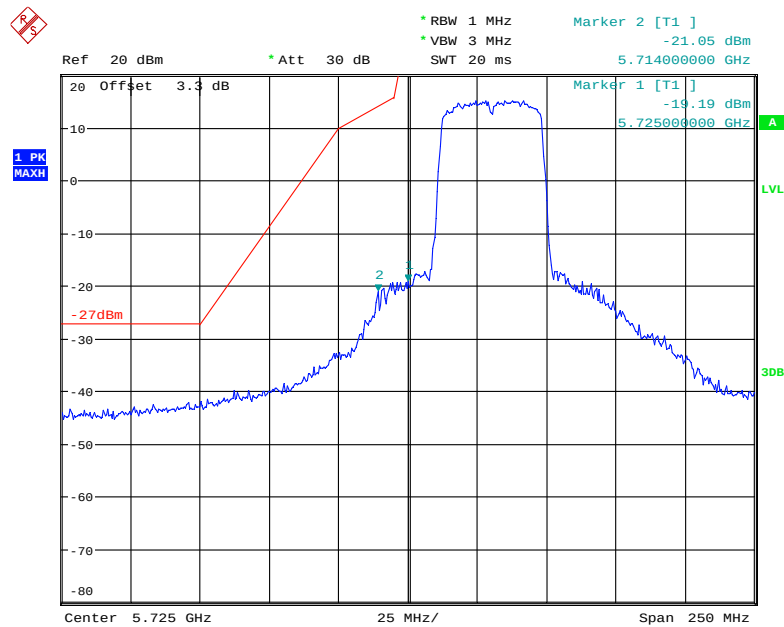
Date: 29.OCT.2017 13:52:44

Chain 1, 802.11n ht20 High Channel



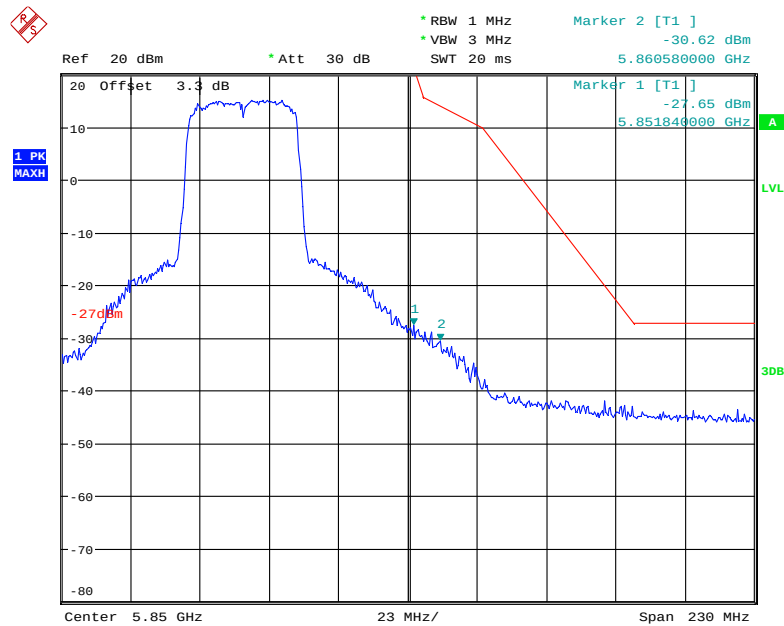
Date: 29.OCT.2017 13:56:00

Chain 1, 802.11n ht40 Low Channel



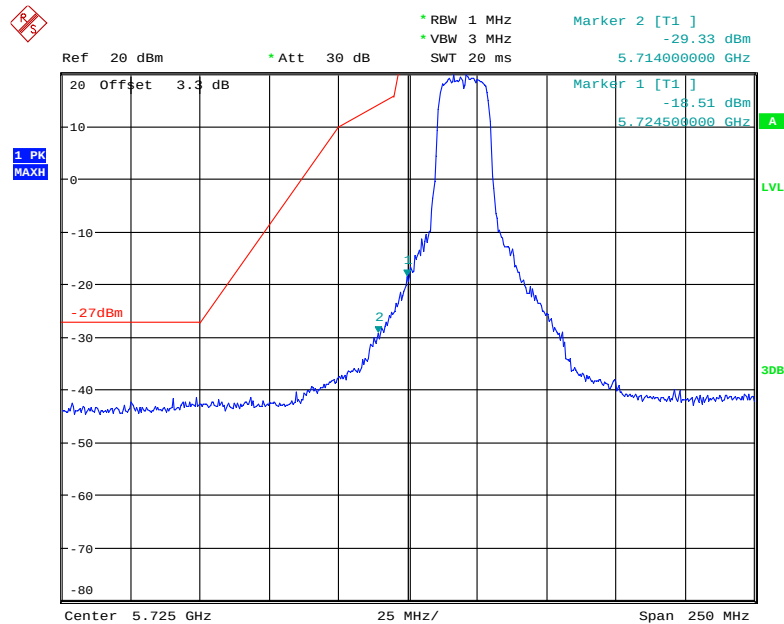
Date: 29.OCT.2017 17:38:11

Chain 1, 802.11n ht40 High Channel



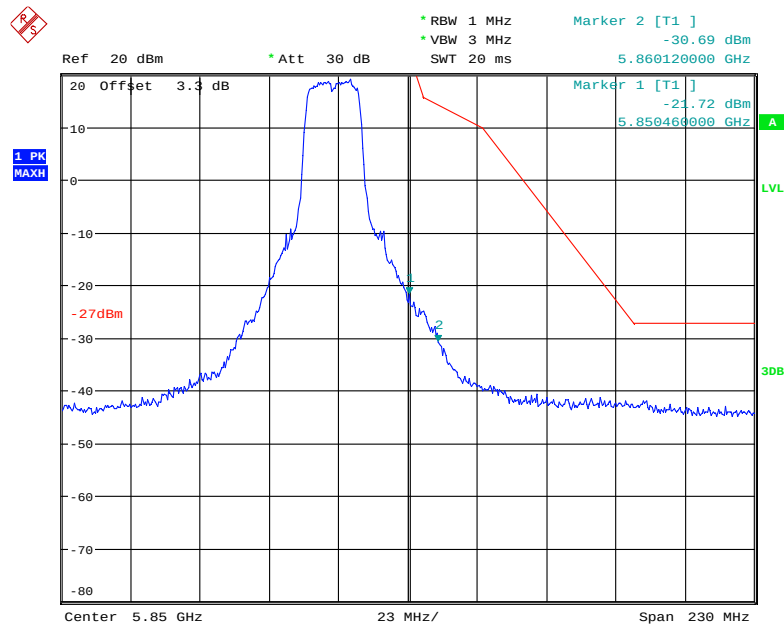
Date: 29.OCT.2017 17:40:14

Chain 1, 802.11n ac20 Low Channel



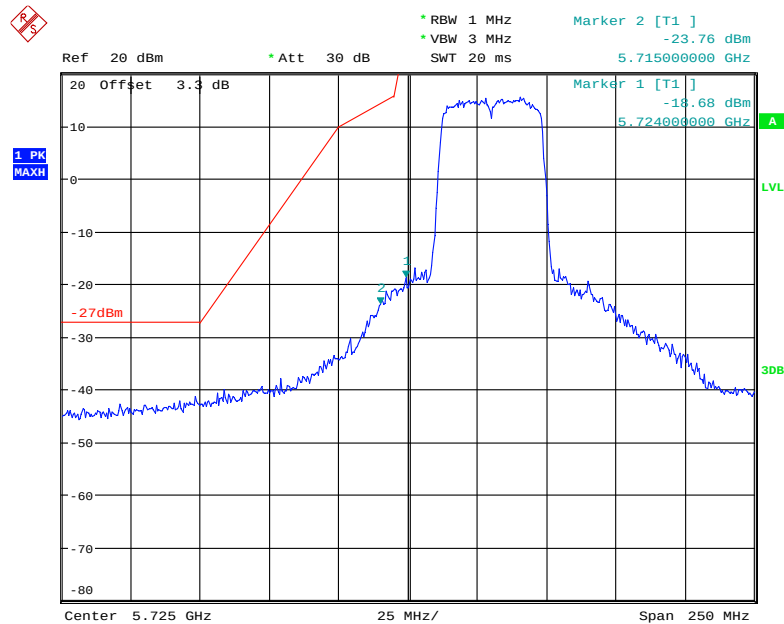
Date: 29.OCT.2017 14:38:39

Chain 1, 802.11n ac20 High Channel



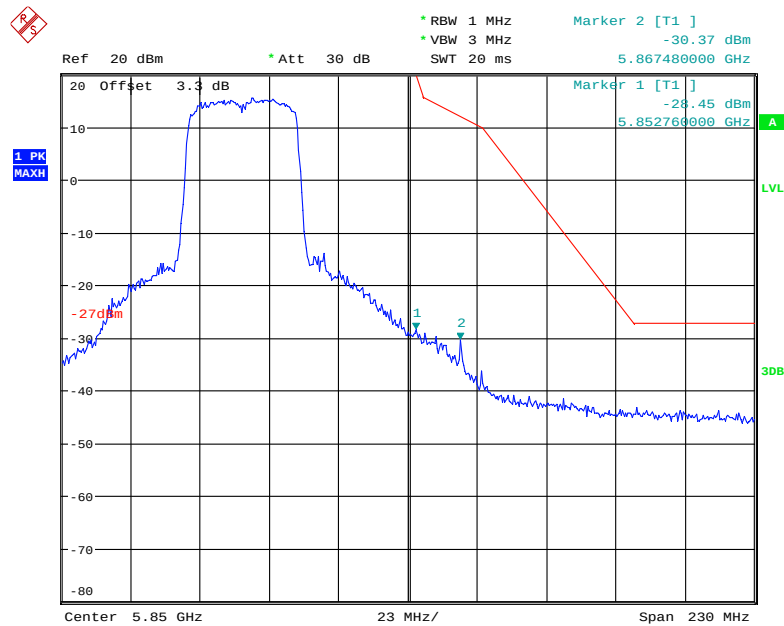
Date: 29.OCT.2017 14:34:52

Chain 1, 802.11n ac40 Low Channel



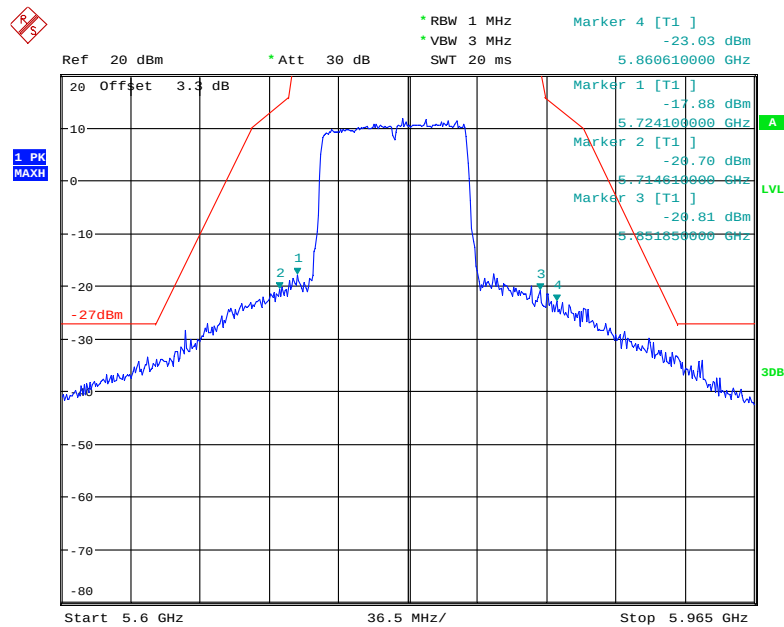
Date: 30.OCT.2017 19:39:44

Chain 1, 802.11n ac40 High Channel



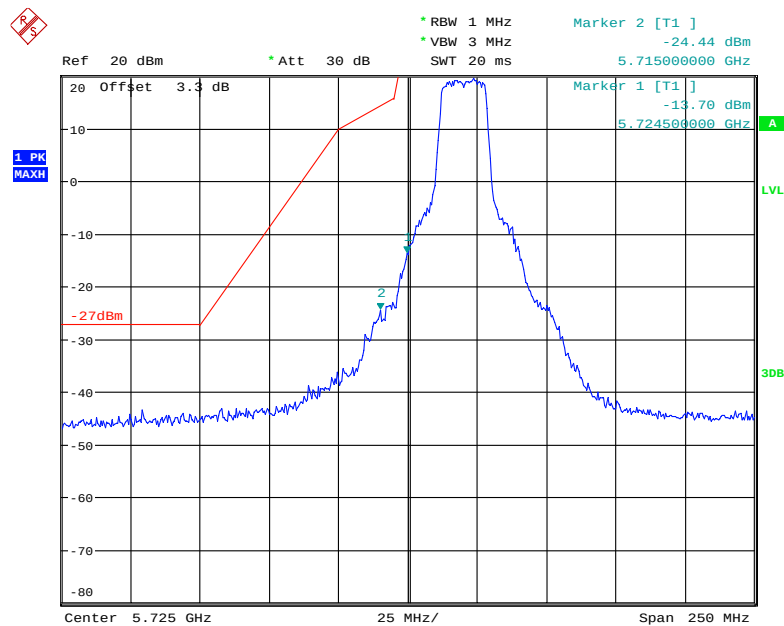
Date: 30.OCT.2017 19:38:03

Chain 1, 802.11 ac80 Middle Channel



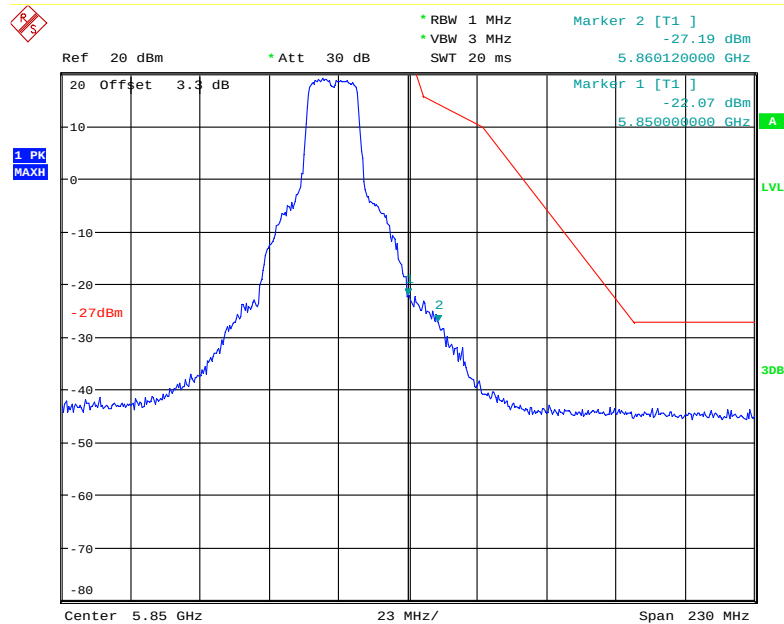
Date: 30.OCT.2017 21:54:51

Chain 2, 802.11a Low Channel



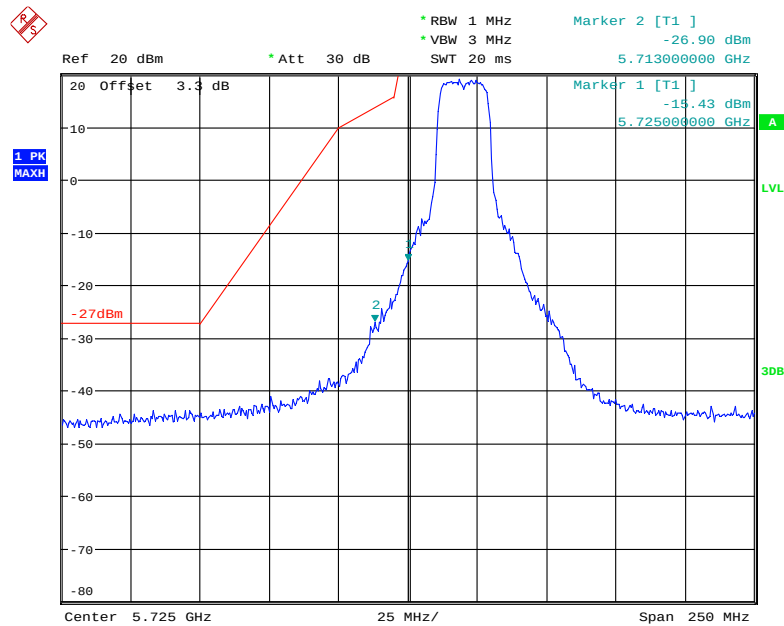
Date: 29.OCT.2017 11:39:37

Chain 2, 802.11a High Channel



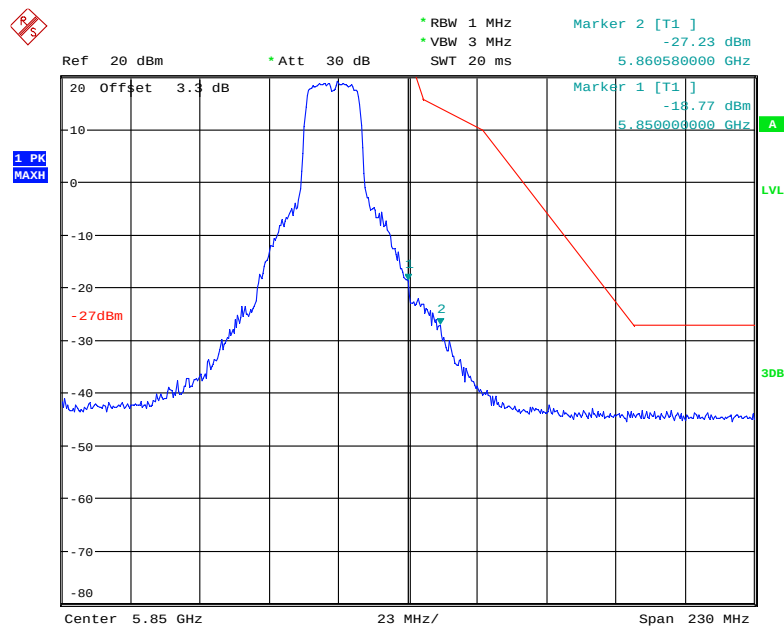
Date: 29.OCT.2017 11:42:43

Chain 2, 802.11n ht20 Low Channel



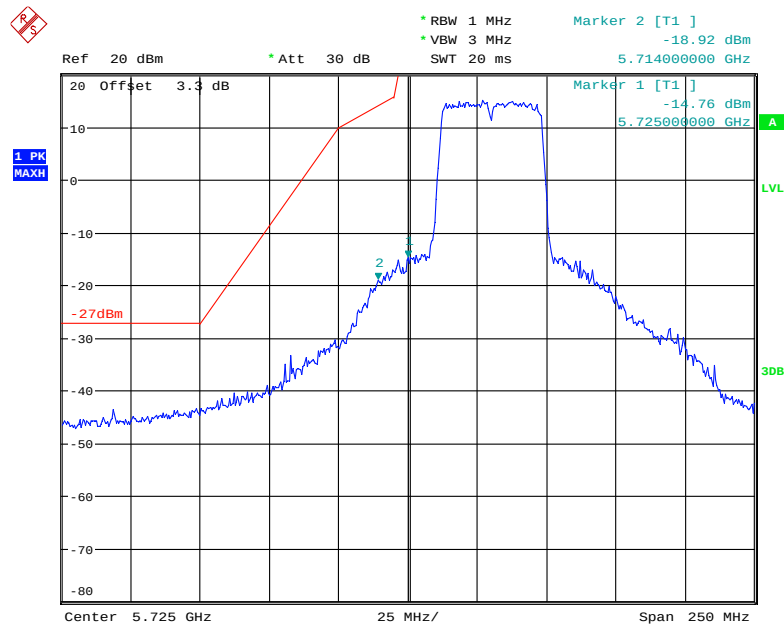
Date: 29.OCT.2017 13:24:51

Chain 2, 802.11n ht20 High Channel



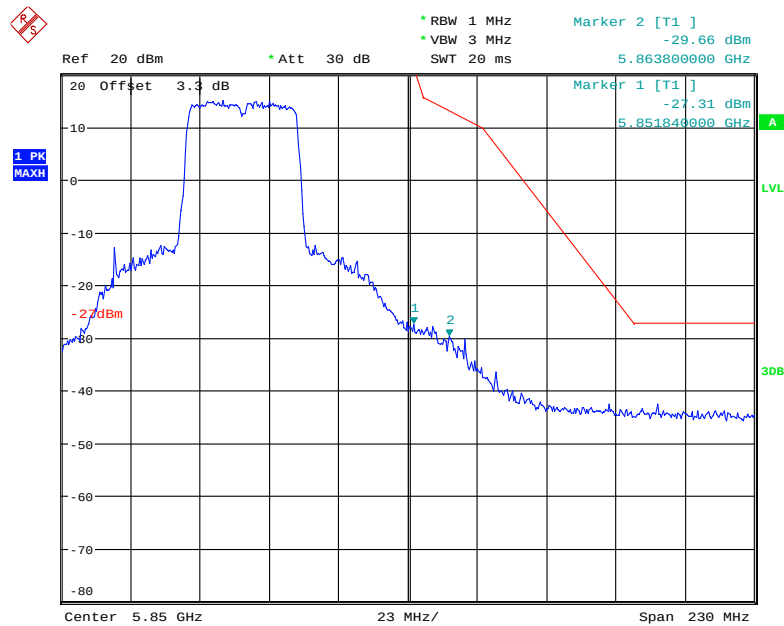
Date: 29.OCT.2017 13:21:39

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

1 PK
MAXH

Ref 20 dBm

* Att 30 dB

* RBW 1 MHz

* VBW 3 MHz

SWT 20 ms

Marker 2 [T1]

-25.55 dBm

5.713500000 GHz

Marker 1 [T1]

-13.29 dBm

5.725000000 GHz

2

-27 dBm

3 dB

Center 5.725 GHz

25 MHz/

Span 250 MHz

* RBW 1 MHz
 * VBW 3 MHz
 SWT 20 ms

Ref 20 dBm
 * Att 30 dB

Marker 2 [T1]
 -28.62 dBm
 5.860120000 GHz

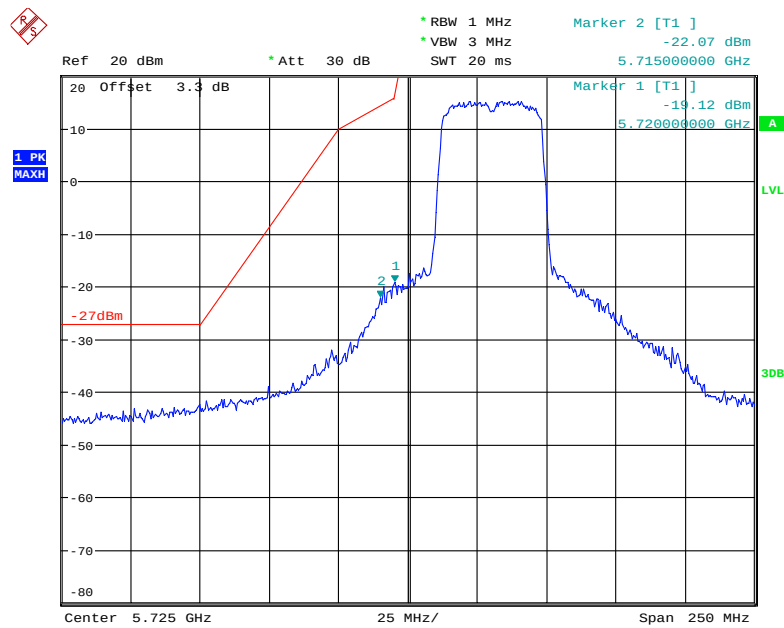
Marker 1 [T1]
 -20.63 dBm
 5.850000000 GHz

1 PK MAXH
 -27dBm
 3dB

Center 5.85 GHz
 23 MHz/
 Span 230 MHz

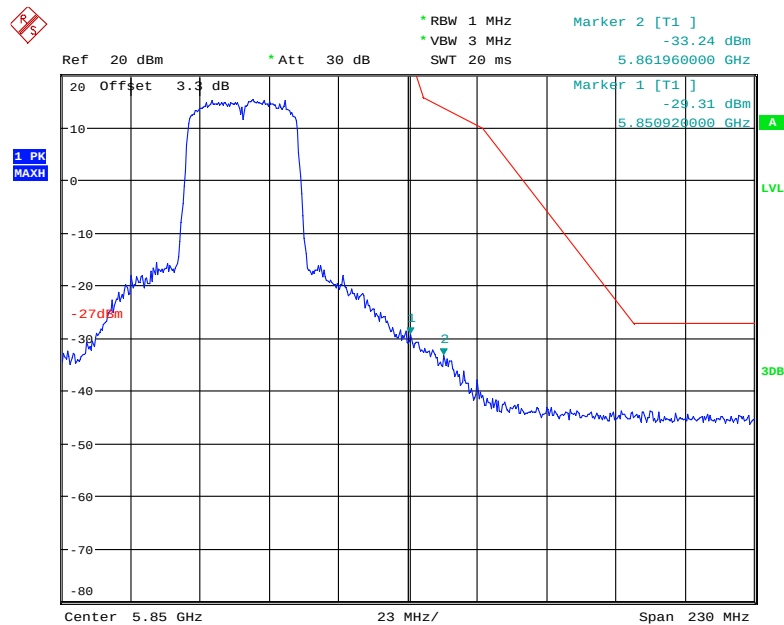
Page 218 of 375

Chain 2, 802.11n ac40 Low Channel



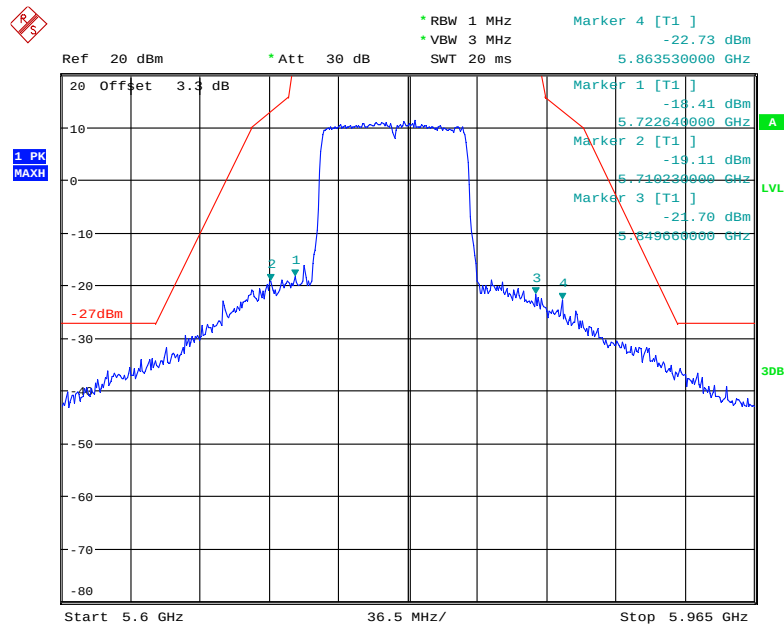
Date: 30.OCT.2017 20:07:28

Chain 2, 802.11n ac40 High Channel



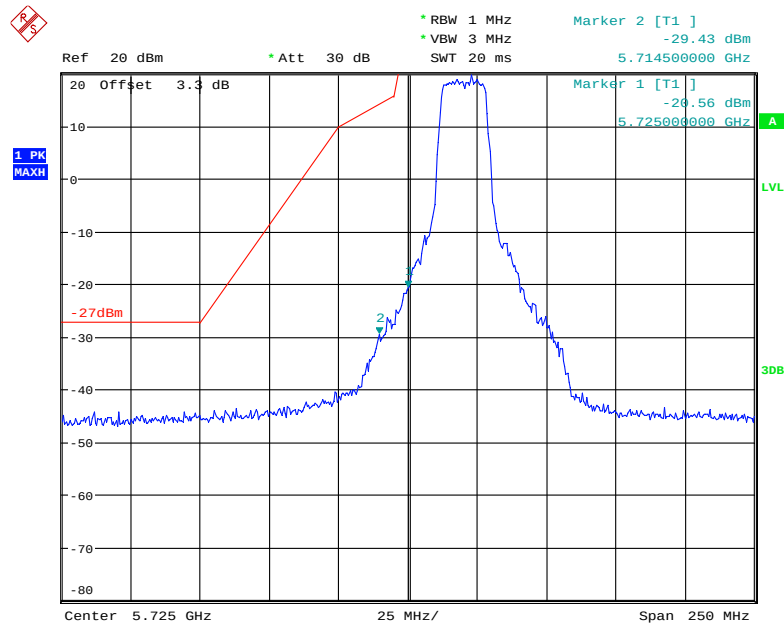
Date: 30.OCT.2017 20:09:06

Chain 2, 802.11 ac80 Middle Channel



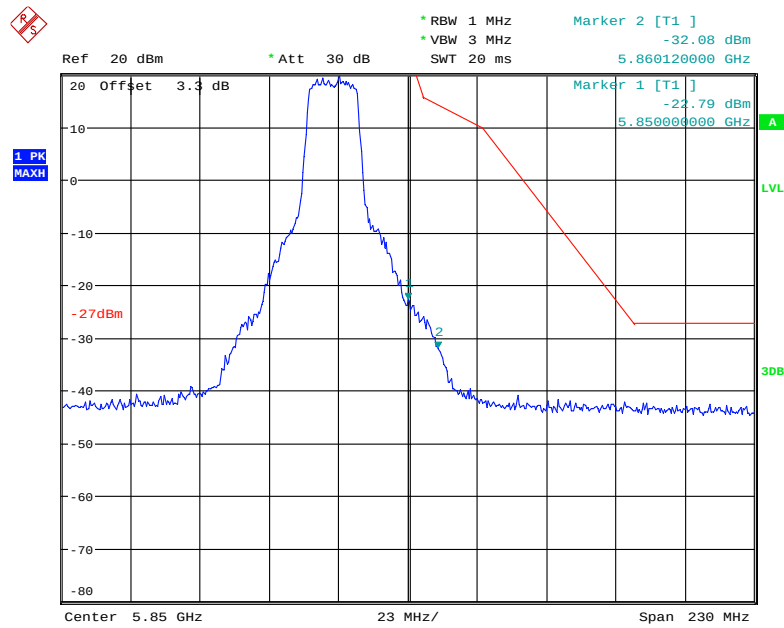
Date: 30.OCT.2017 21:12:33

Chain 3, 802.11a Low Channel



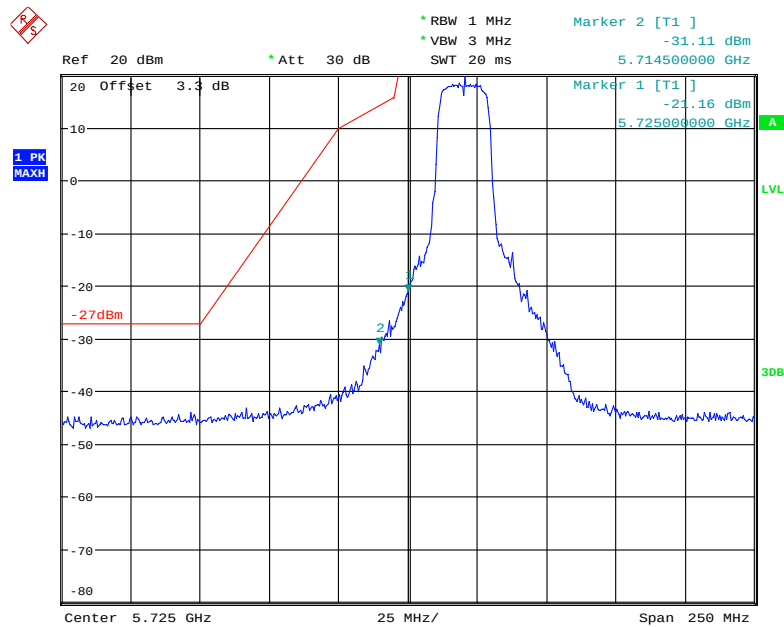
Date: 29.OCT.2017 11:47:49

Chain 3, 802.11a High Channel



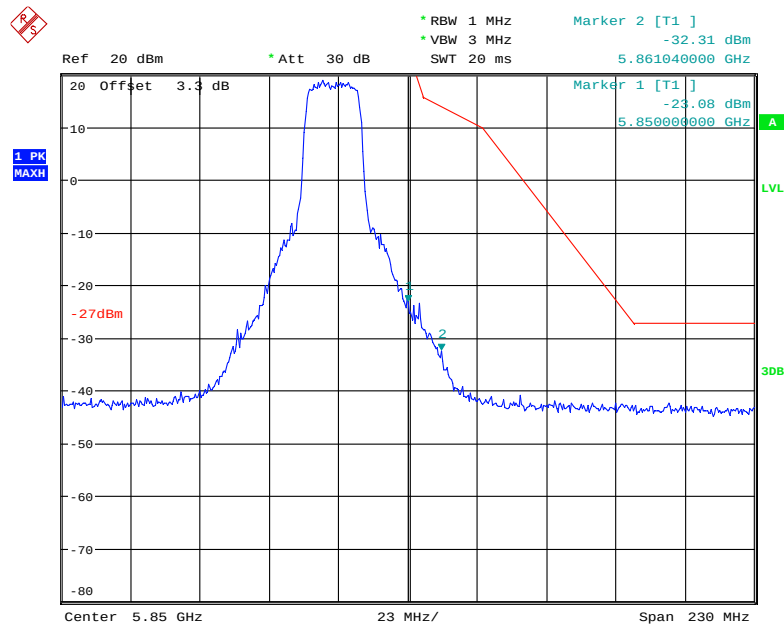
Date: 29.OCT.2017 11:44:43

Chain 3, 802.11n ht20 Low Channel



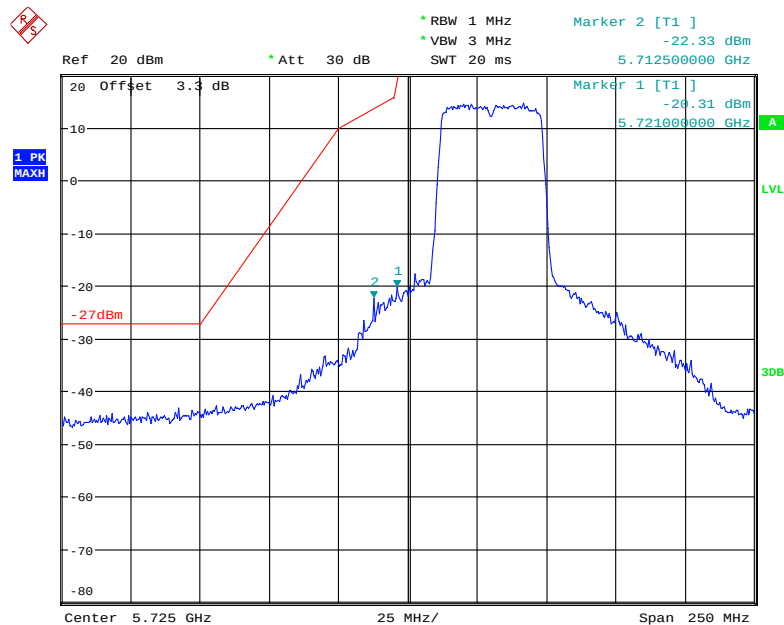
Date: 29.OCT.2017 13:16:24

Chain 3, 802.11n ht20 High Channel



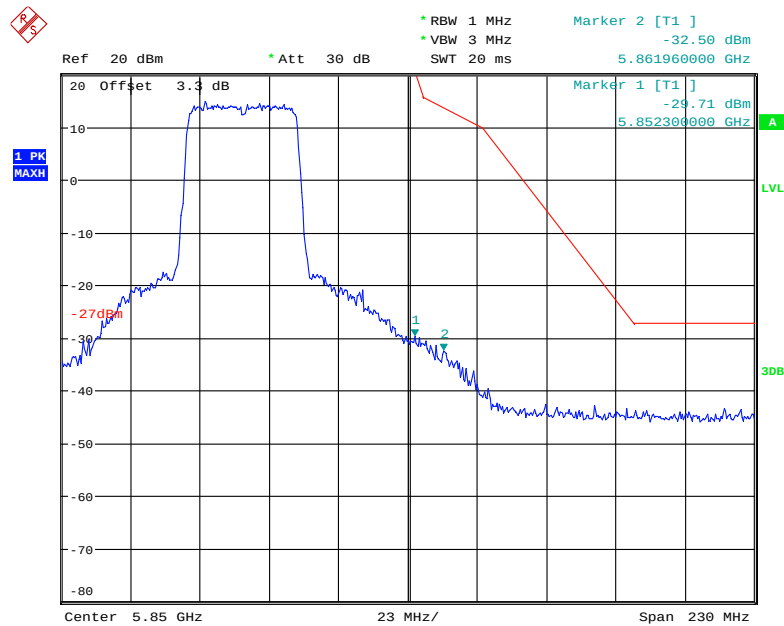
Date: 29.OCT.2017 13:19:30

Chain 3, 802.11n ht40 Low Channel



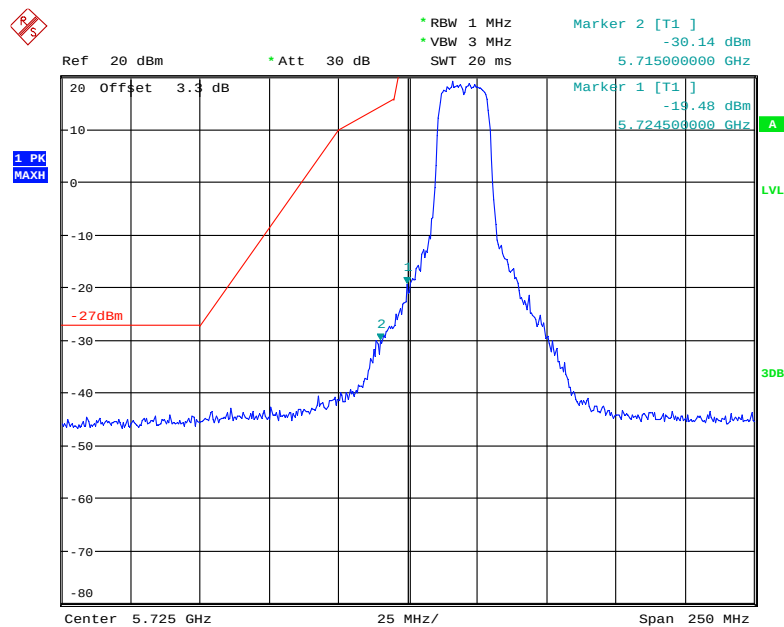
Date: 29.OCT.2017 16:14:02

Chain 3, 802.11n ht40 High Channel



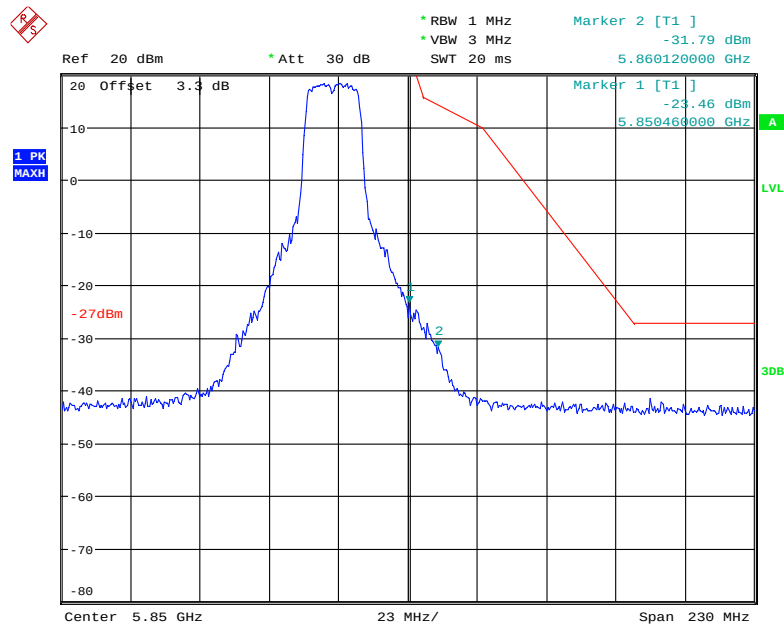
Date: 29.OCT.2017 16:15:55

Chain 3, 802.11n ac20 Low Channel



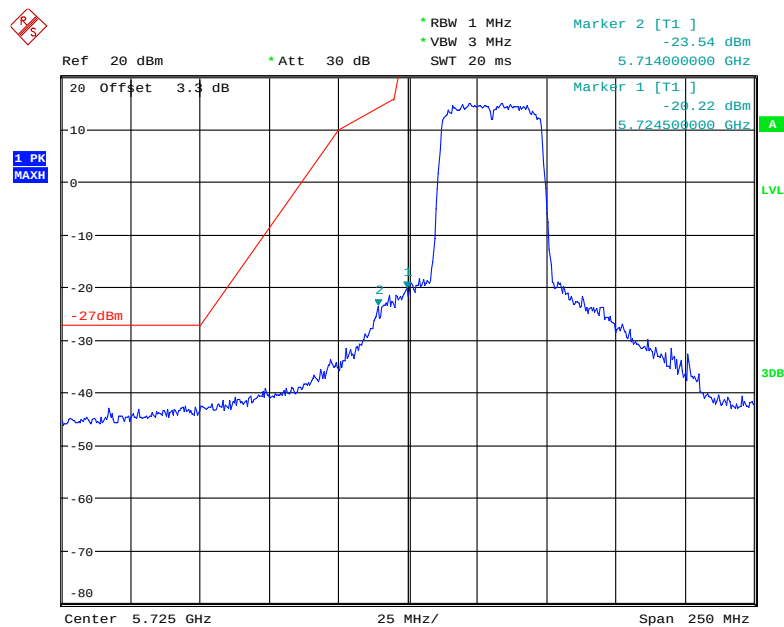
Date: 29.OCT.2017 15:27:27

Chain 3, 802.11n ac20 High Channel



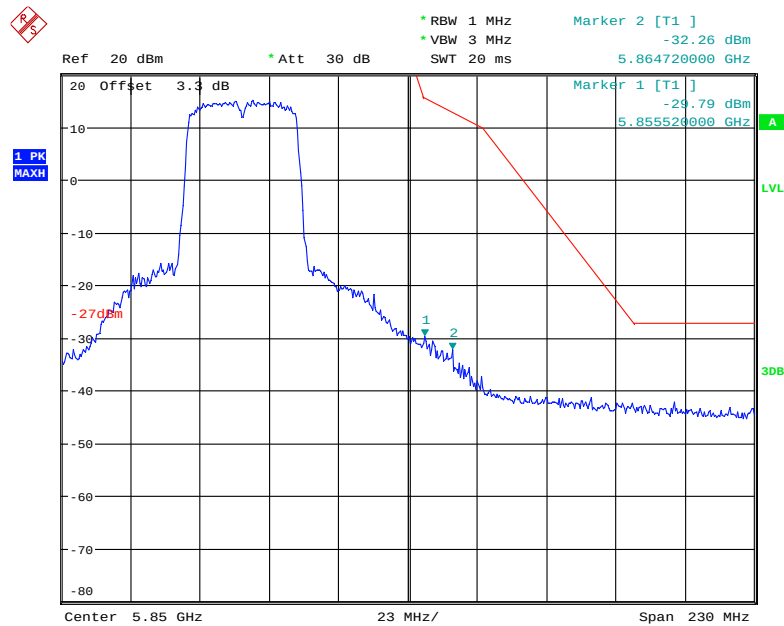
Date: 29.OCT.2017 15:24:06

Chain 3, 802.11n ac40 Low Channel



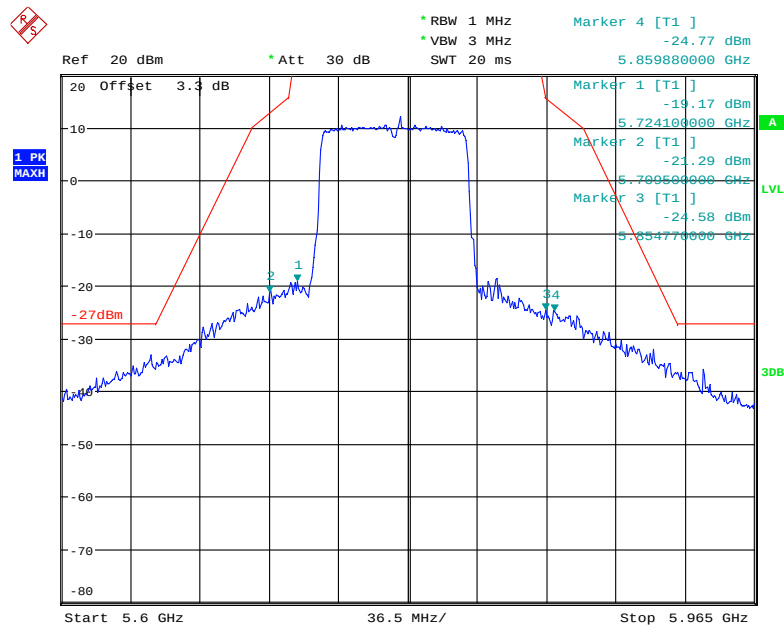
Date: 30.OCT.2017 20:13:39

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:

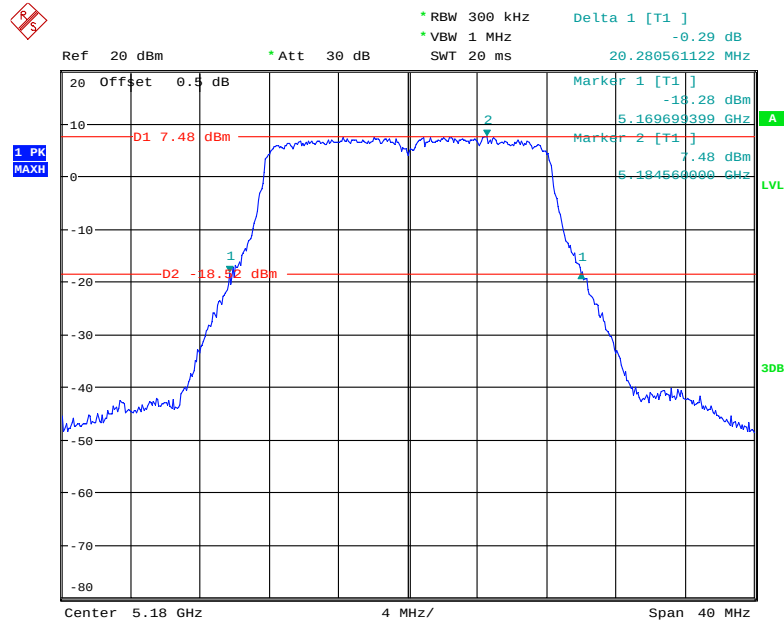
Mode	Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11 a	Low	5180	20.04	16.56
	Middle	5200	20.12	16.56
	High	5240	19.96	16.56
802.11n ht20	Low	5180	20.76	17.68
	Middle	5200	20.84	17.68
	High	5240	20.92	17.76
802.11n ht40	Low	5190	39.60	36.16
	High	5230	39.76	36.32
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.

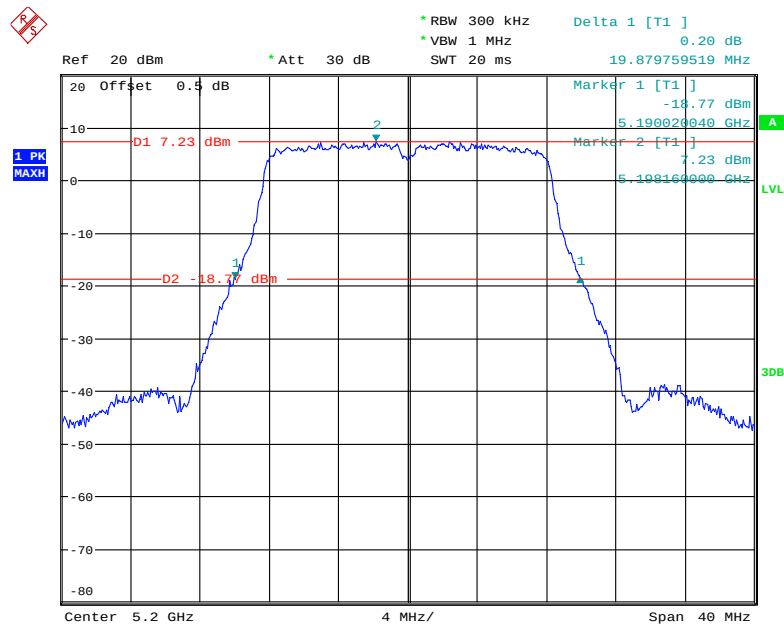
Radio 1, 5725-5850MHz:

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.

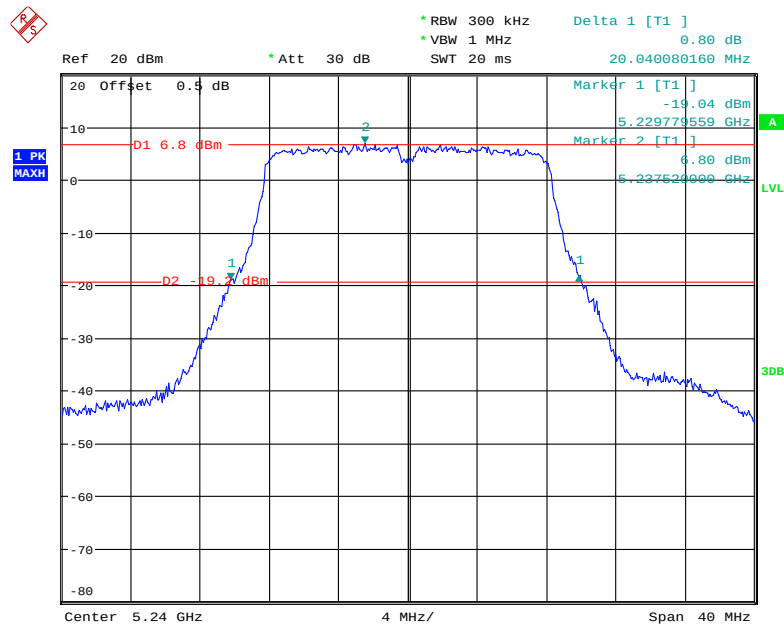
**Radio 0, 5150-5250MHz:
26dB Emission Bandwidth:****802.11a Low Channel**

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

802.11a Middle Channel

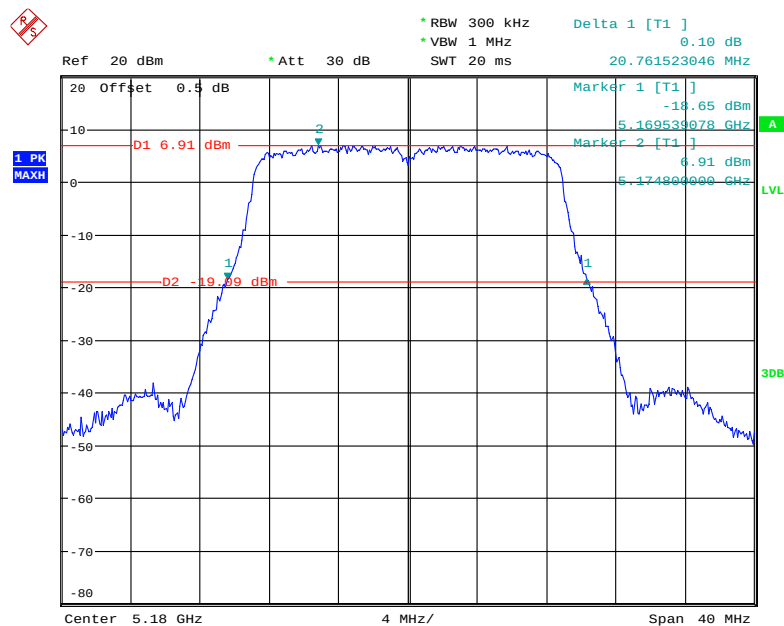
Date: 21.OCT.2017 10:11:35

802.11a High Channel



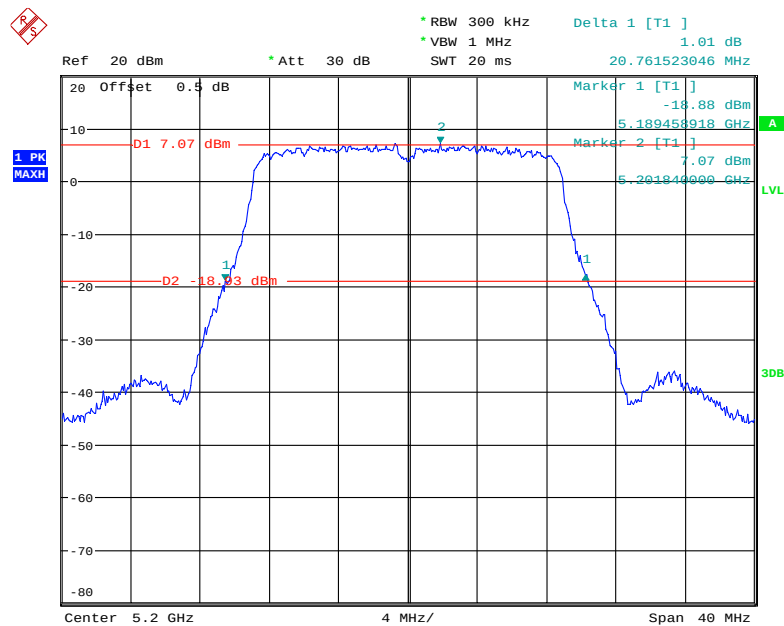
Date: 21.OCT.2017 10:14:32

802.11n ht20 Low Channel



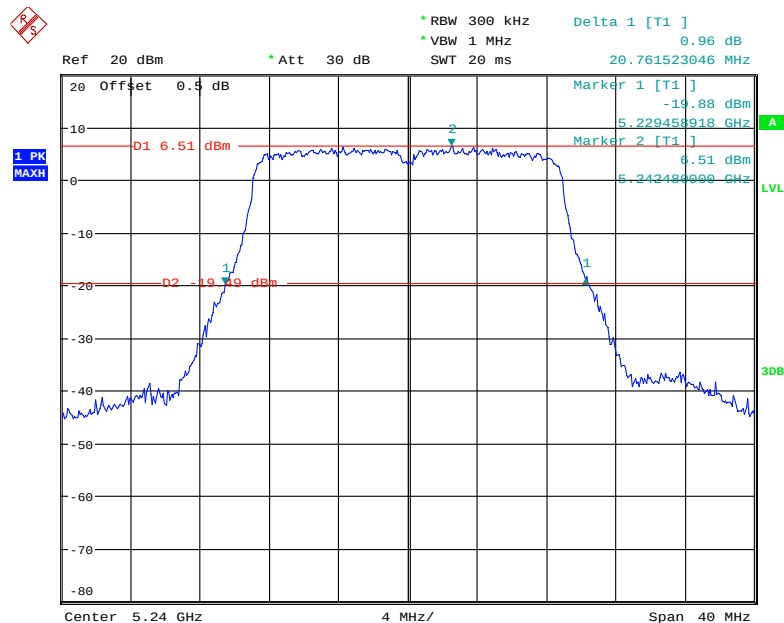
Date: 21.OCT.2017 10:29:40

802.11n ht20 Middle Channel



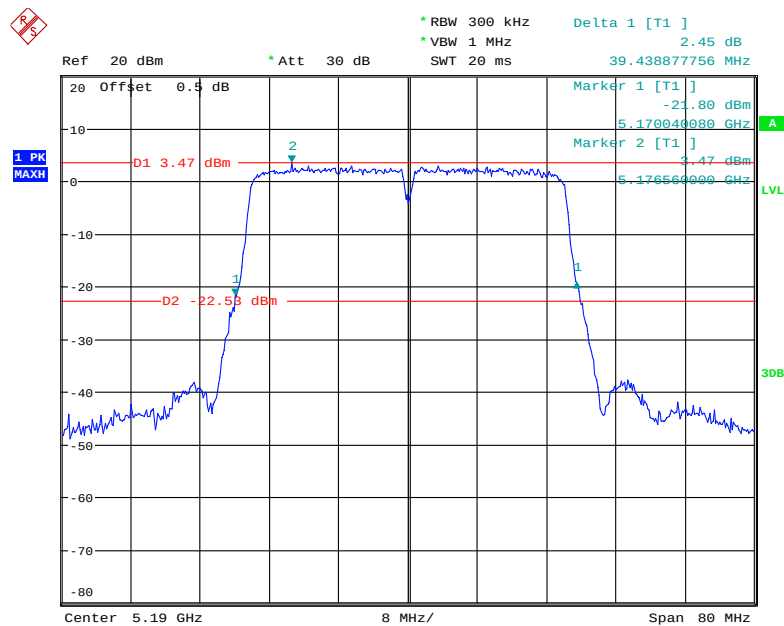
Date: 21.OCT.2017 10:31:25

802.11n ht20 High Channel



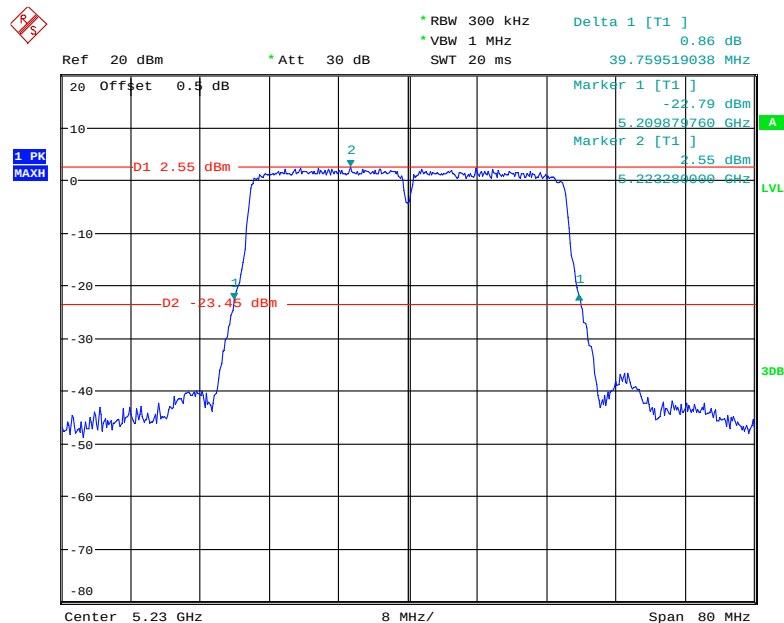
Date: 21.OCT.2017 10:32:36

802.11n ht40 Low Channel



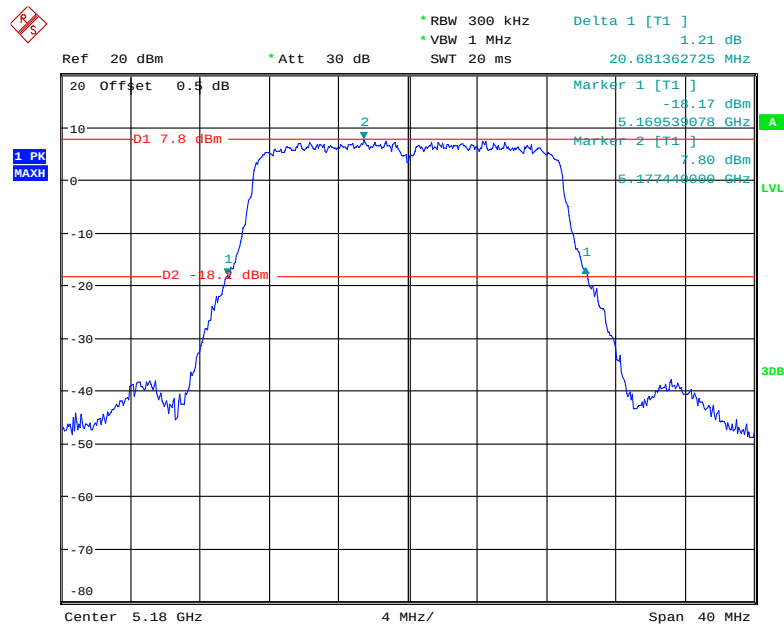
Date: 21.OCT.2017 11:29:24

802.11n ht40 High Channel



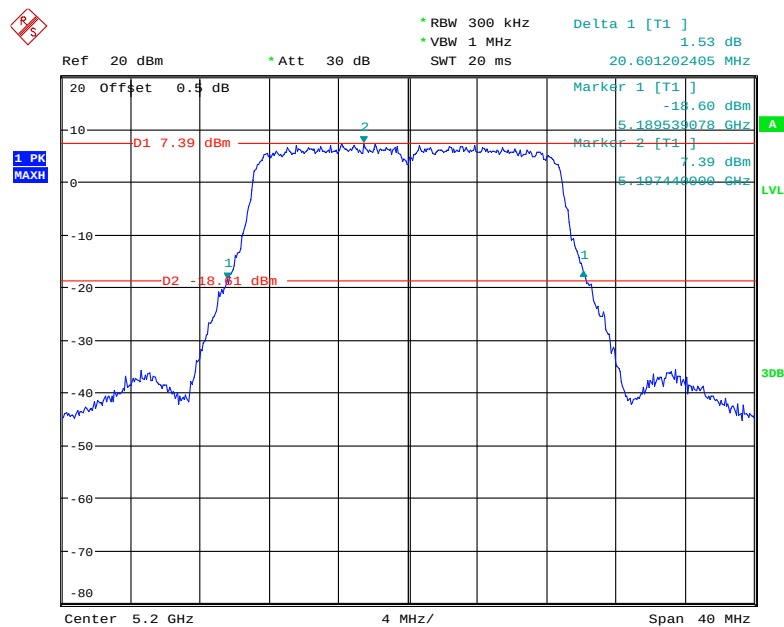
Date: 21.OCT.2017 11:30:54

802.11n ac20 Low Channel



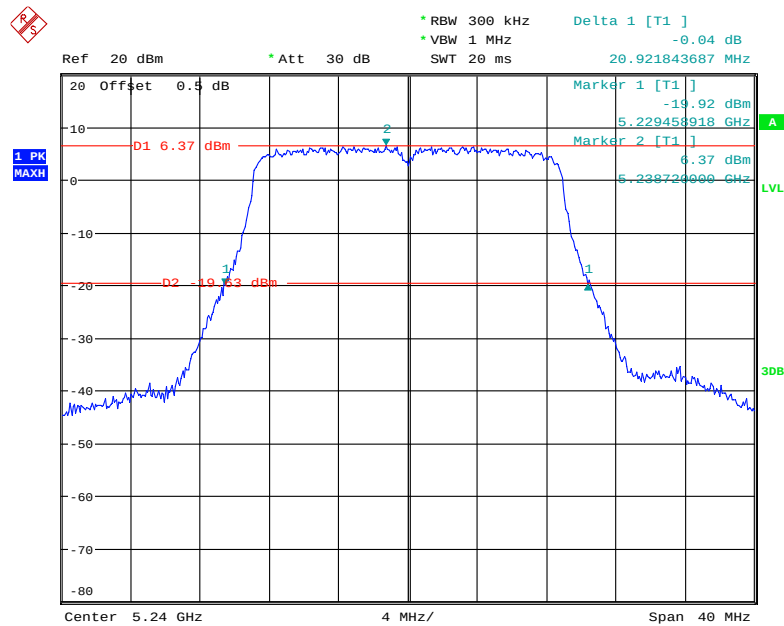
Date: 21.OCT.2017 10:45:04

802.11n ac20 Middle Channel



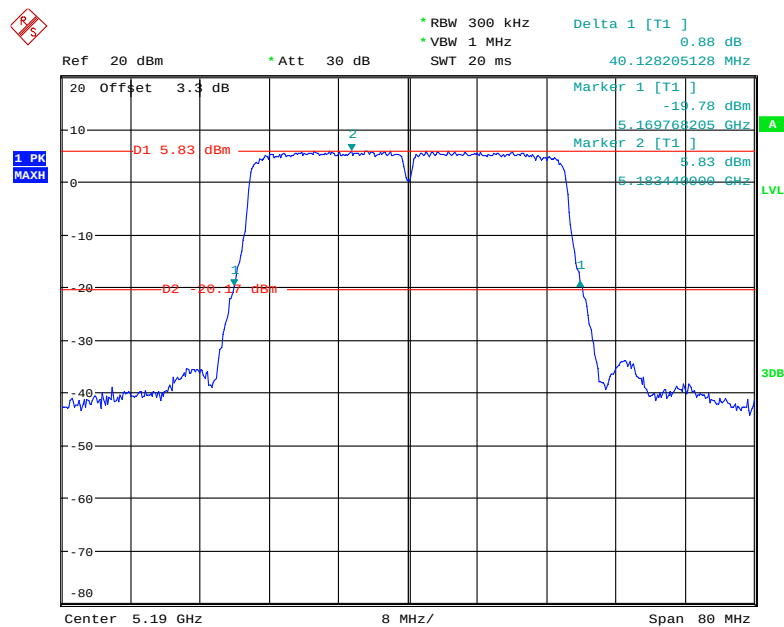
Date: 21.OCT.2017 10:46:33

802.11n ac20 High Channel



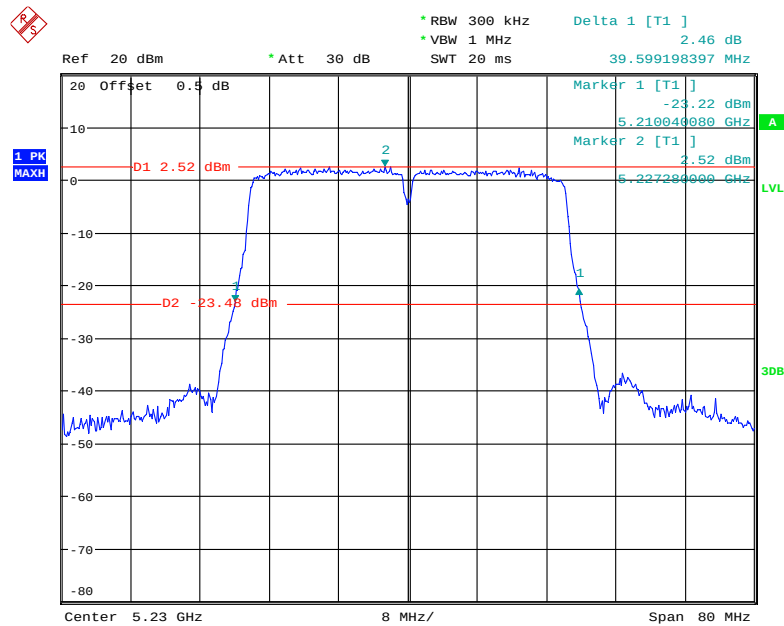
Date: 21.OCT.2017 10:48:04

802.11n ac40 Low Channel



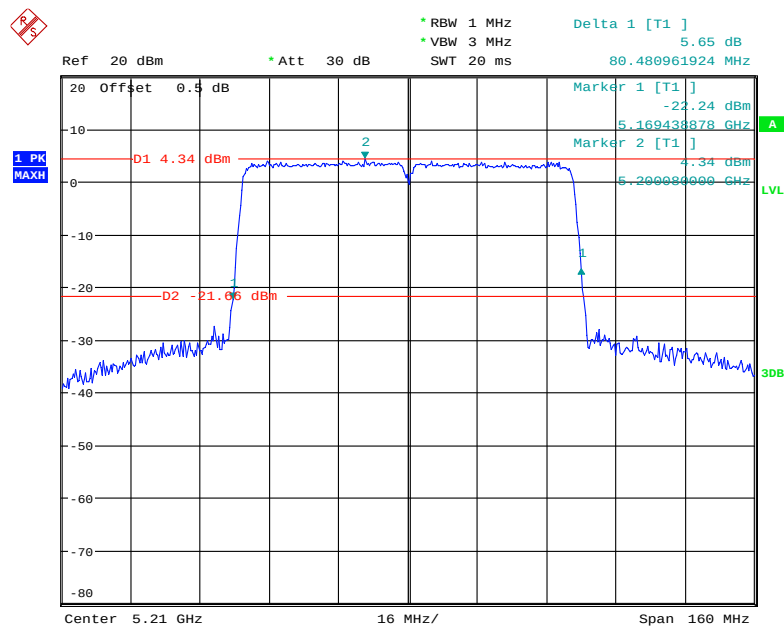
Date: 3.NOV.2017 14:23:57

802.11n ac40 High Channel



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

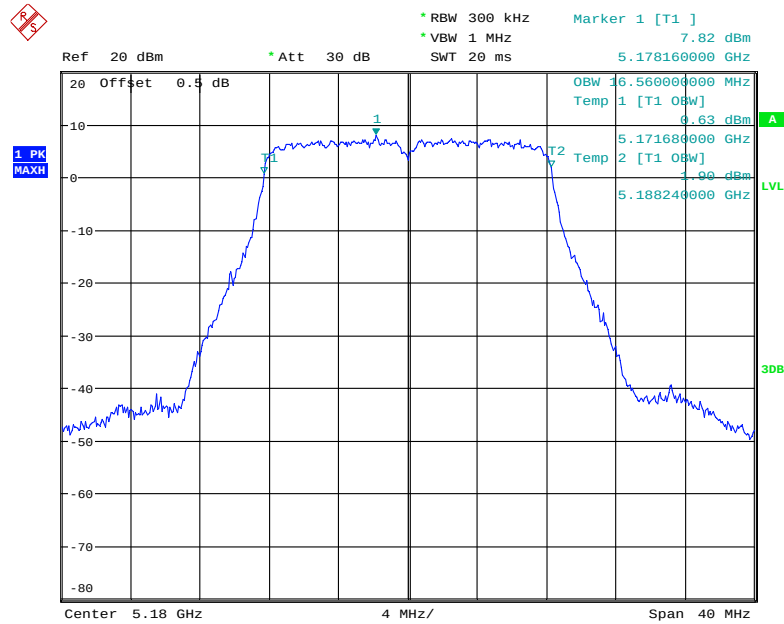
802.11ac80 Middle Channel



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

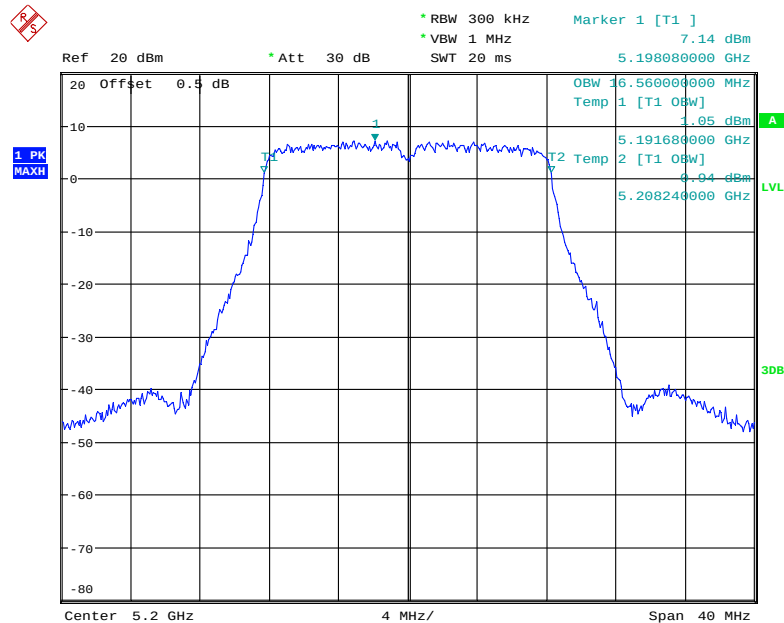
99% Occupied Bandwidth

802.11a Low Channel



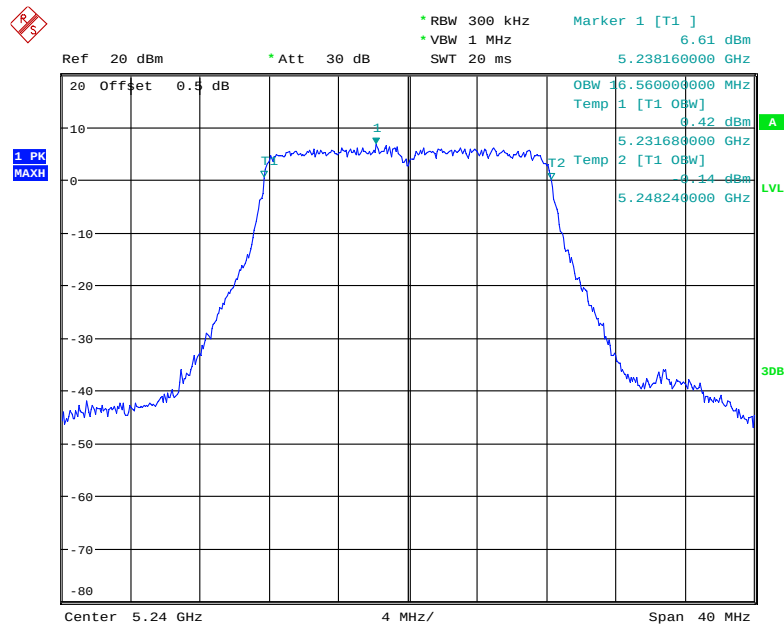
Date: 21.OCT.2017 10:01:08

802.11a Middle Channel



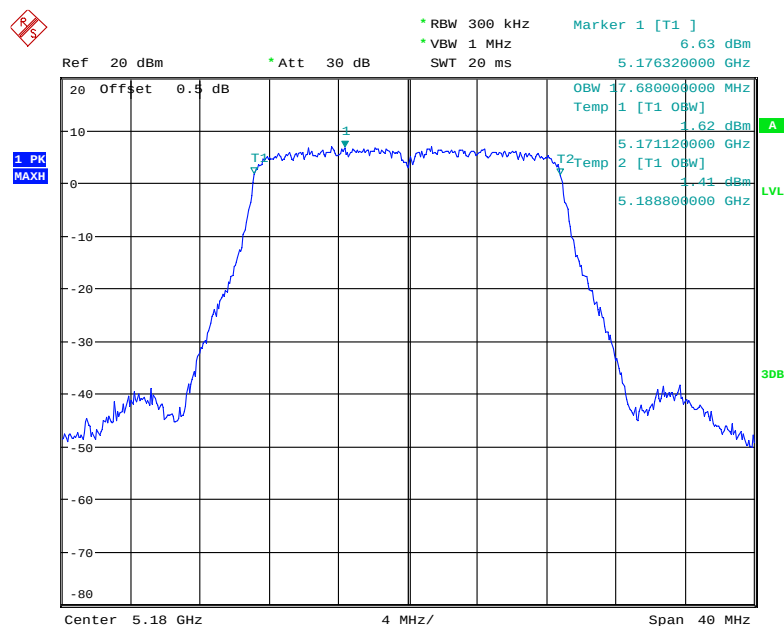
Date: 21.OCT.2017 10:11:48

802.11a High Channel



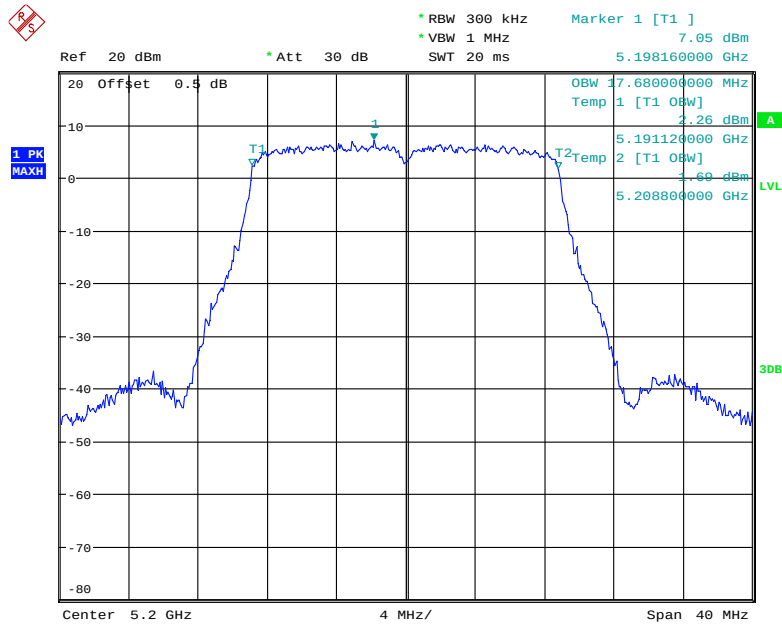
Date: 21.OCT.2017 10:14:45

802.11n ht20 Low Channel



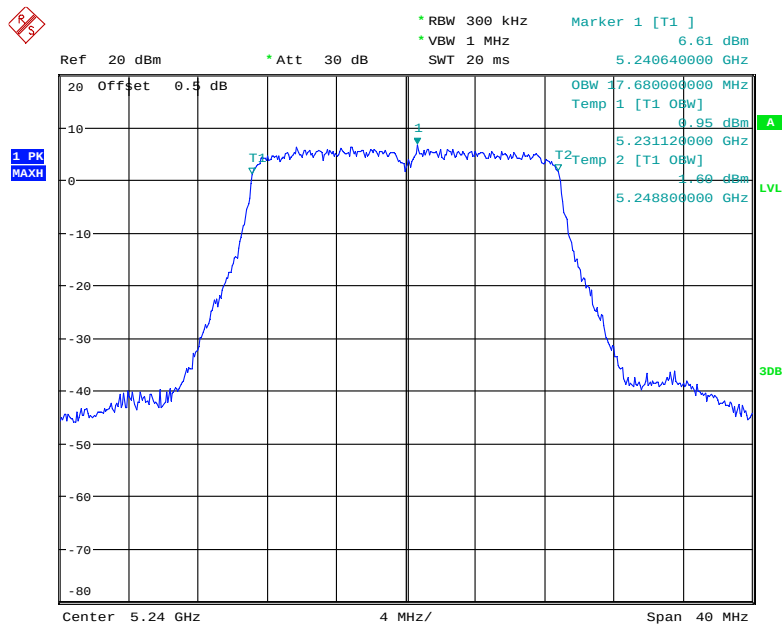
Date: 21.OCT.2017 10:29:52

802.11n ht20 Middle Channel



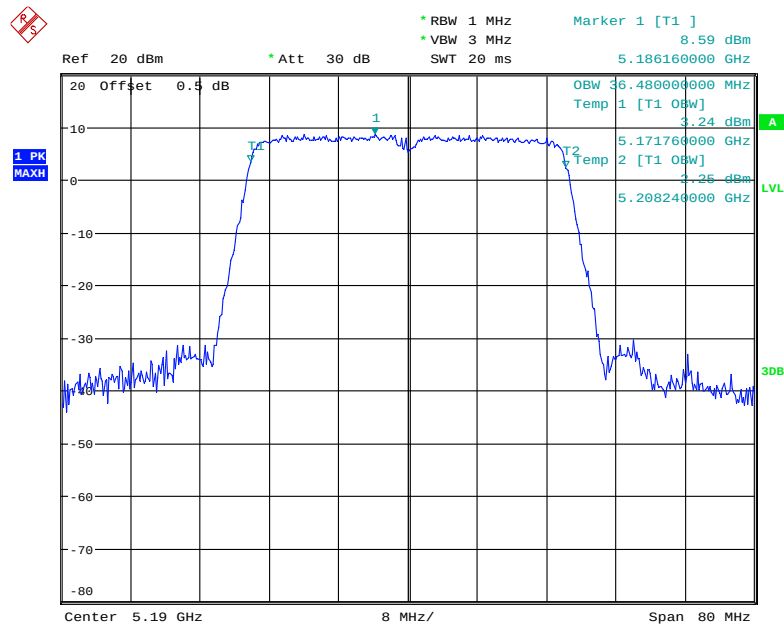
Date: 21.OCT.2017 10:31:37

802.11n ht20 High Channel



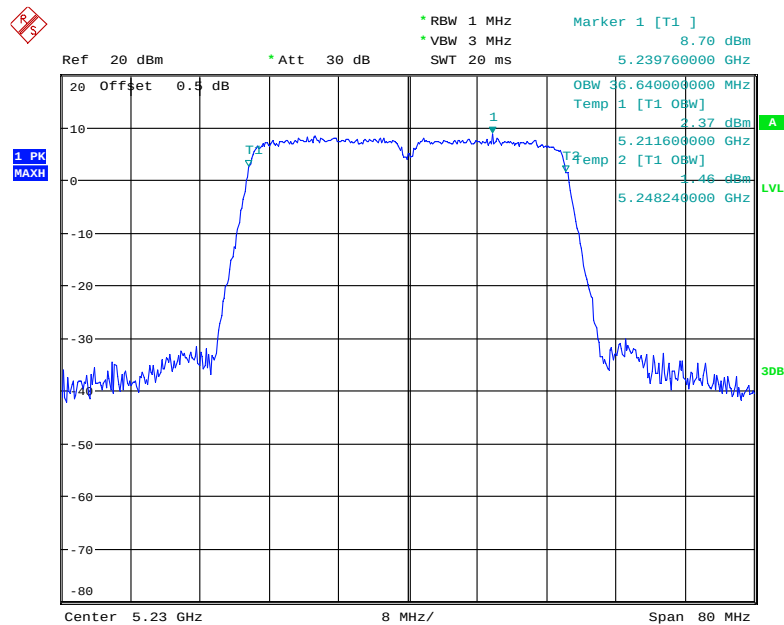
Date: 21.OCT.2017 10:32:49

802.11n ht40 Low Channel



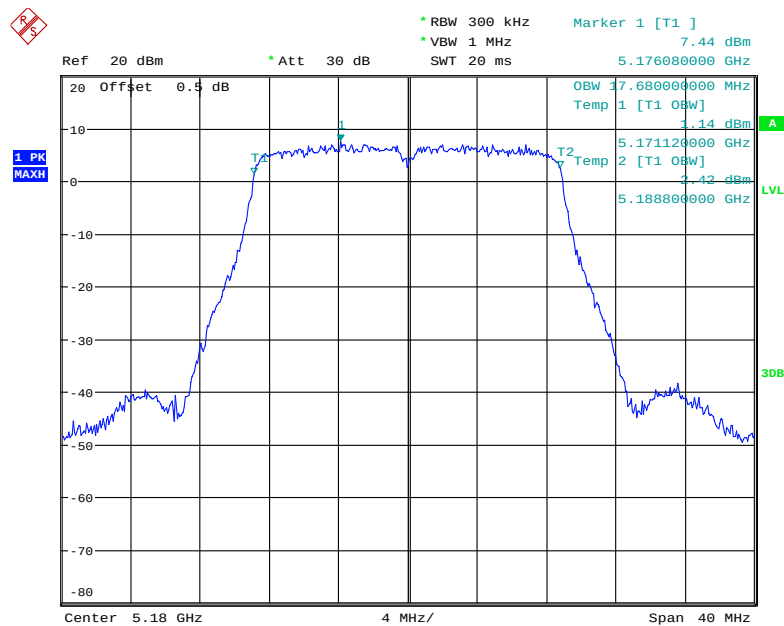
Date: 21.OCT.2017 11:29:36

802.11n ht40 High Channel



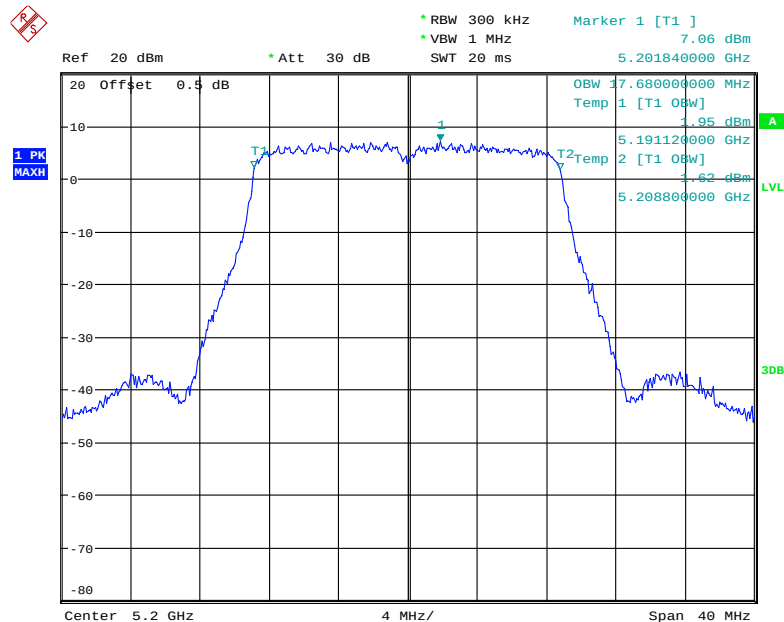
Date: 21.OCT.2017 11:31:08

802.11n ac20 Low Channel



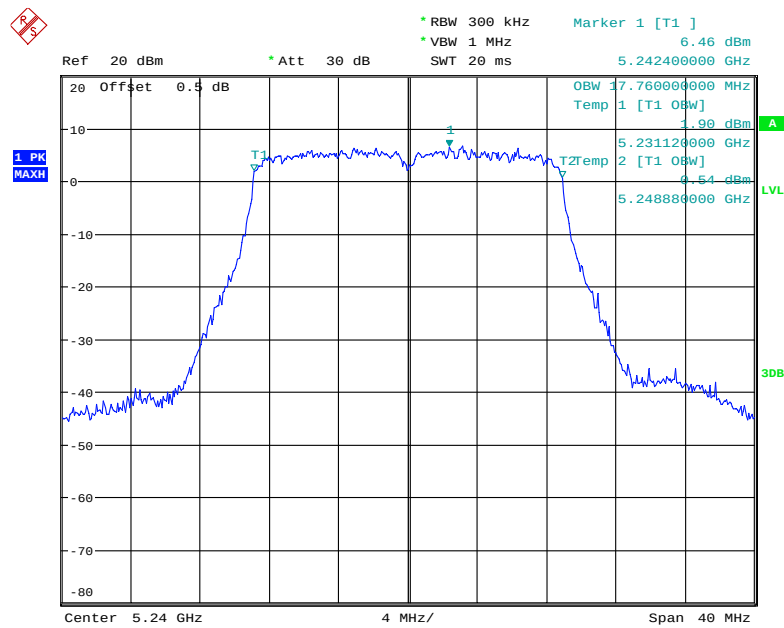
Date: 21.OCT.2017 10:45:16

802.11n ac20 Middle Channel



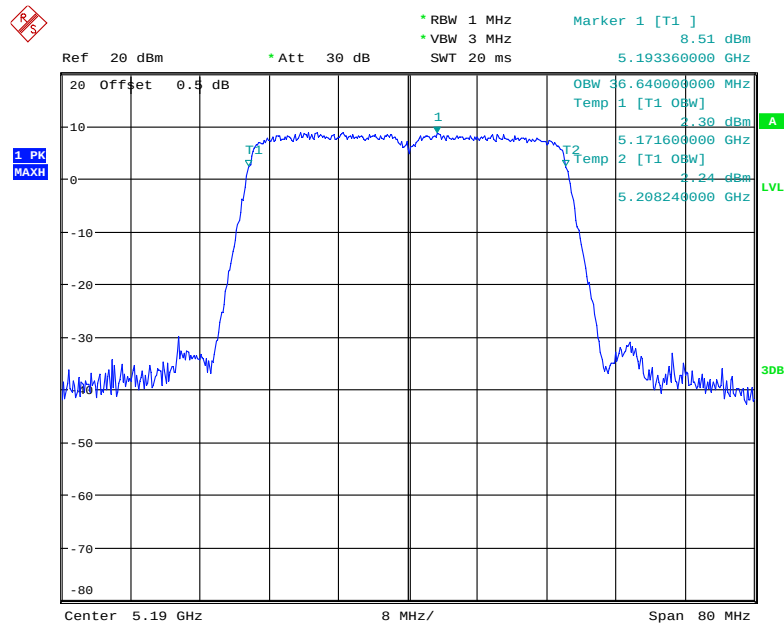
Date: 21.OCT.2017 10:46:45

802.11n ac20 High Channel



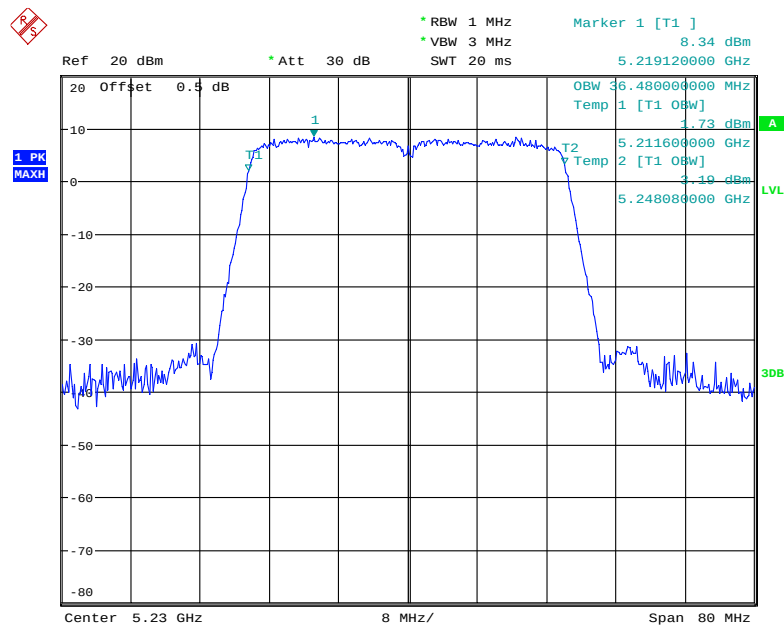
Date: 21.OCT.2017 10:48:16

802.11n ac40 Low Channel



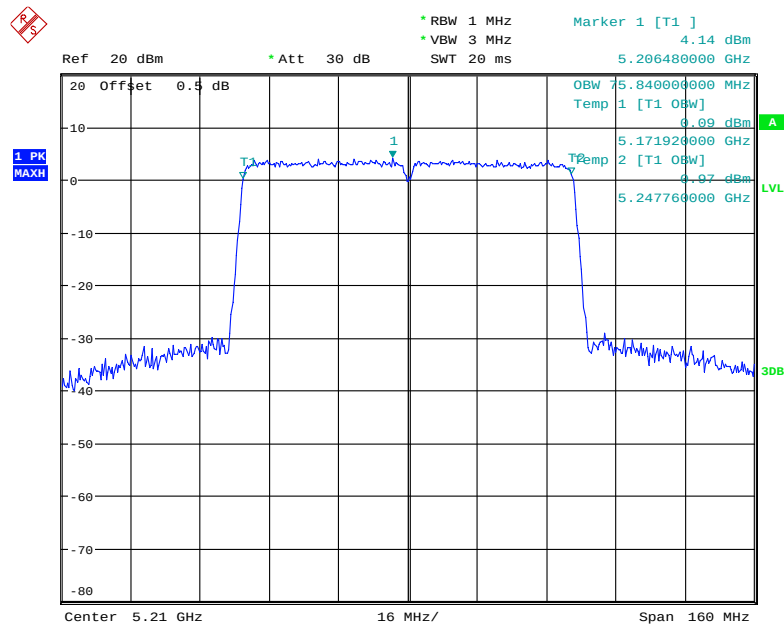
Date: 21.OCT.2017 11:40:43

802.11n ac40 High Channel

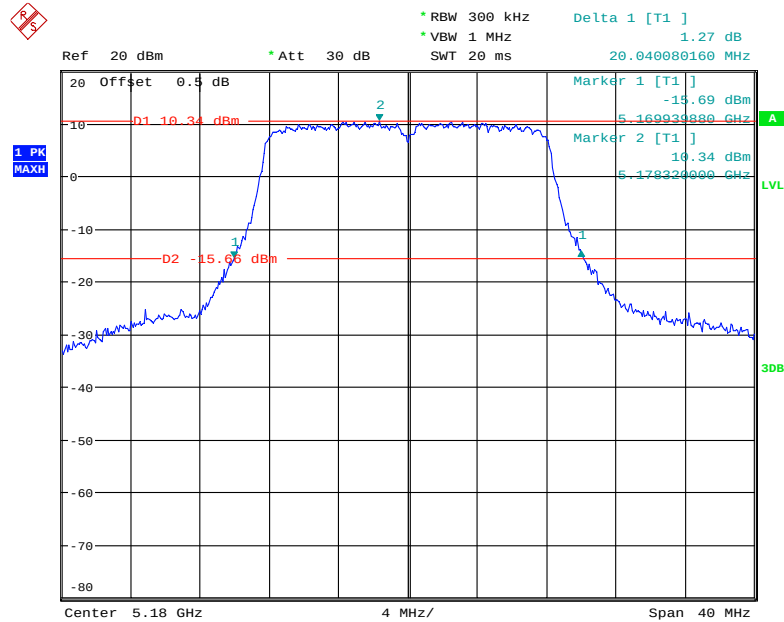


Date: 21.OCT.2017 11:42:25

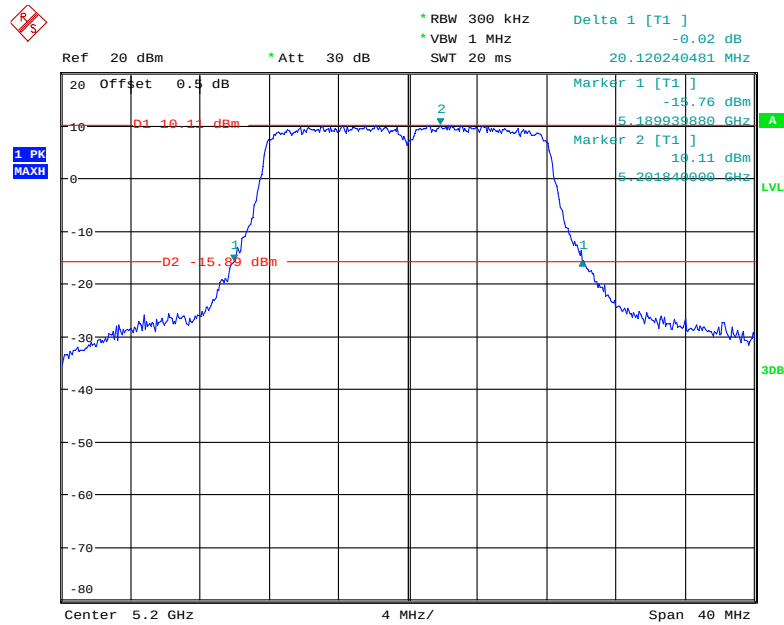
802.11ac80 Middle Channel



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

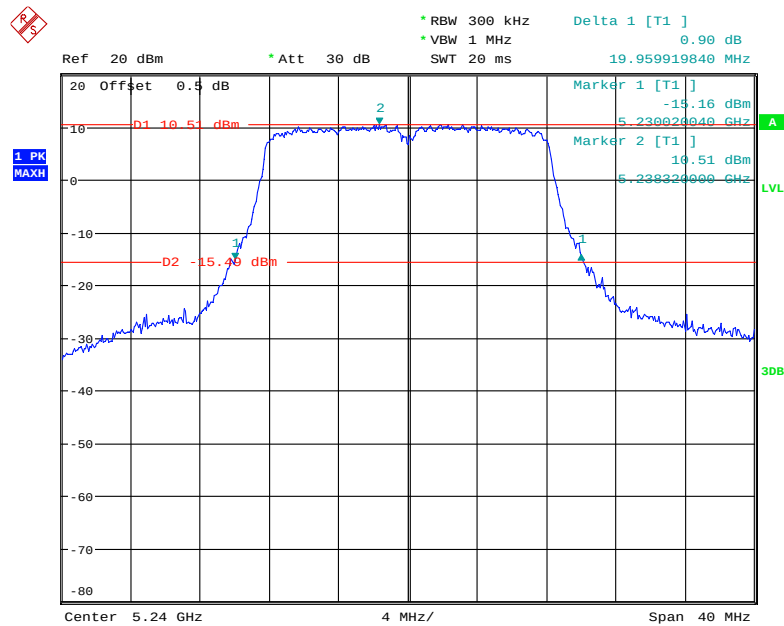
**Radio 1, 5150-5250 MHz:
26dB Emission Bandwidth:****802.11a Low Channel**

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

802.11a Middle Channel

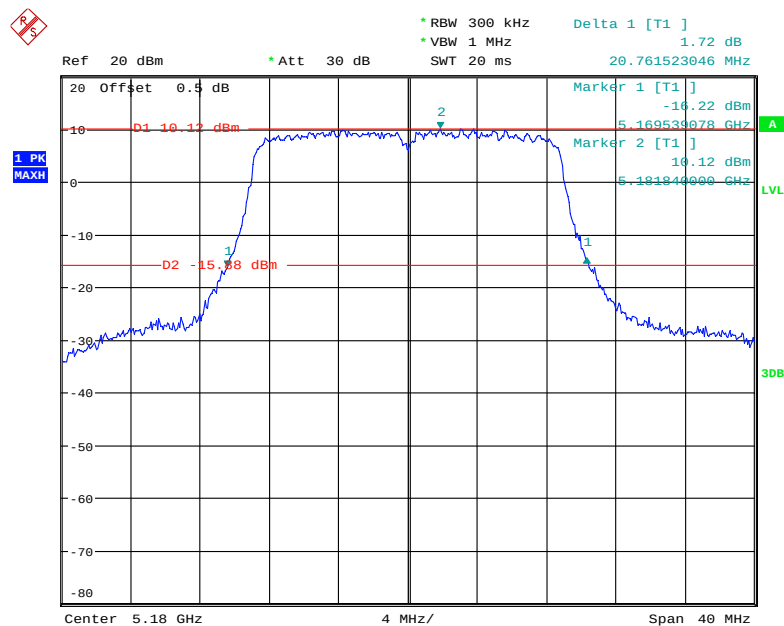
Date: 29.OCT.2017 10:38:48

802.11a High Channel



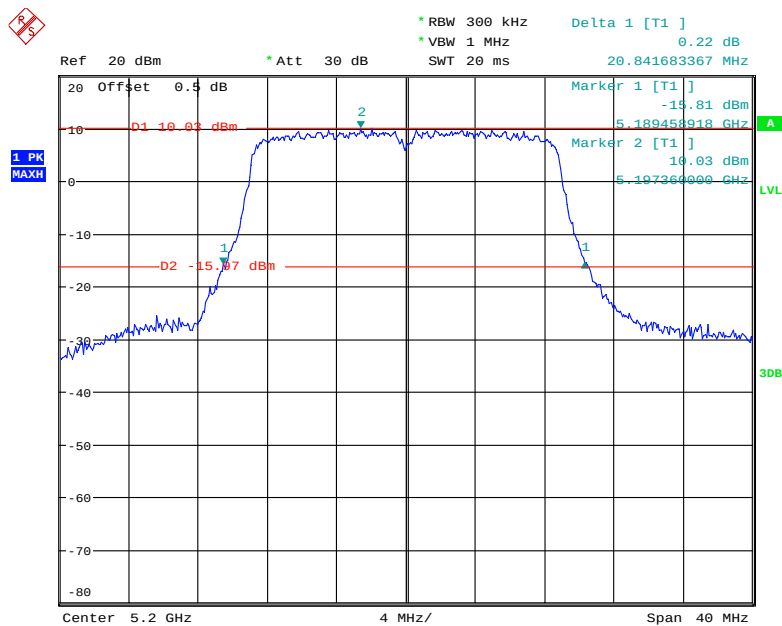
Date: 29.OCT.2017 10:40:02

802.11n ht20 Low Channel



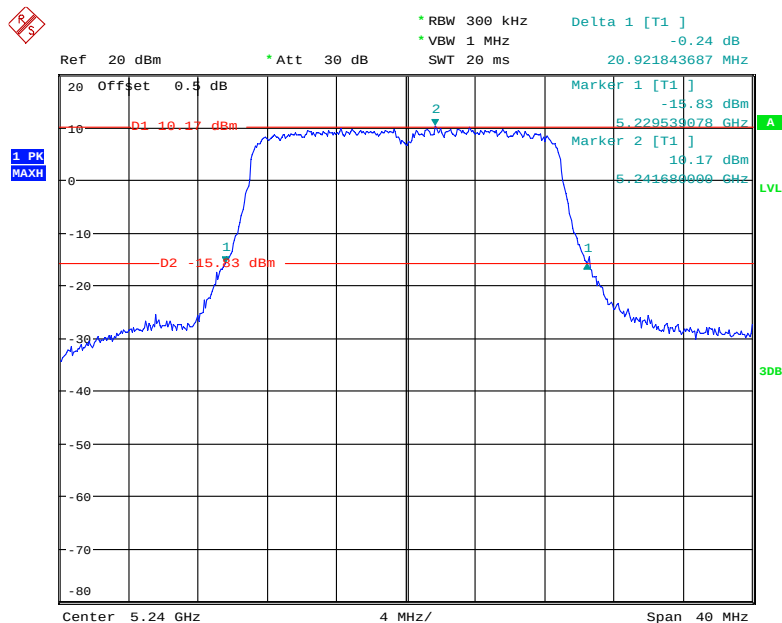
Date: 29.OCT.2017 14:12:59

802.11n ht20 Middle Channel



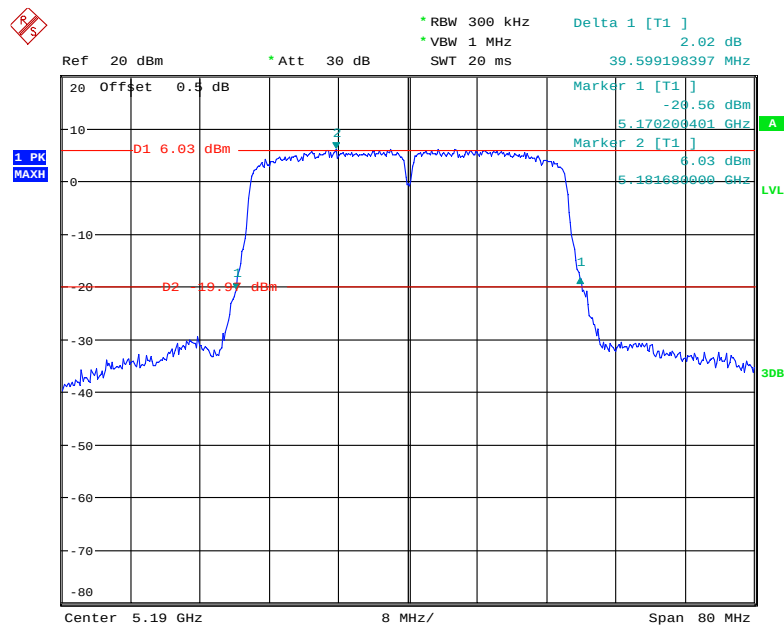
Date: 29.OCT.2017 14:11:48

802.11n ht20 High Channel



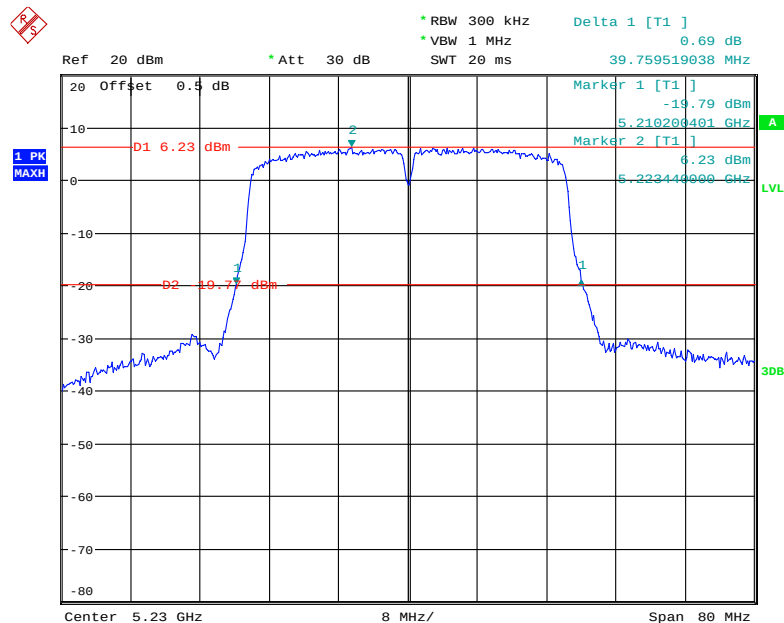
Date: 29.OCT.2017 14:10:26

802.11n ht40 Low Channel



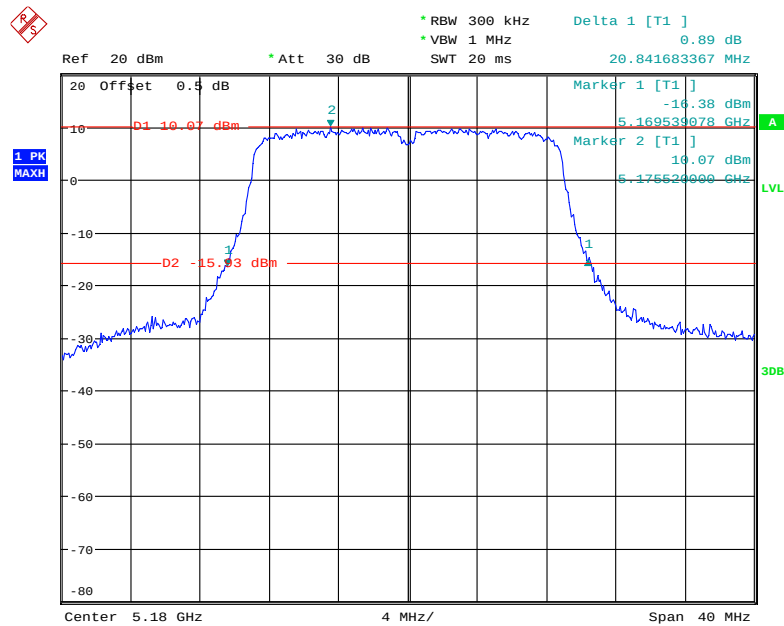
Date: 29.OCT.2017 17:57:03

802.11n ht40 High Channel



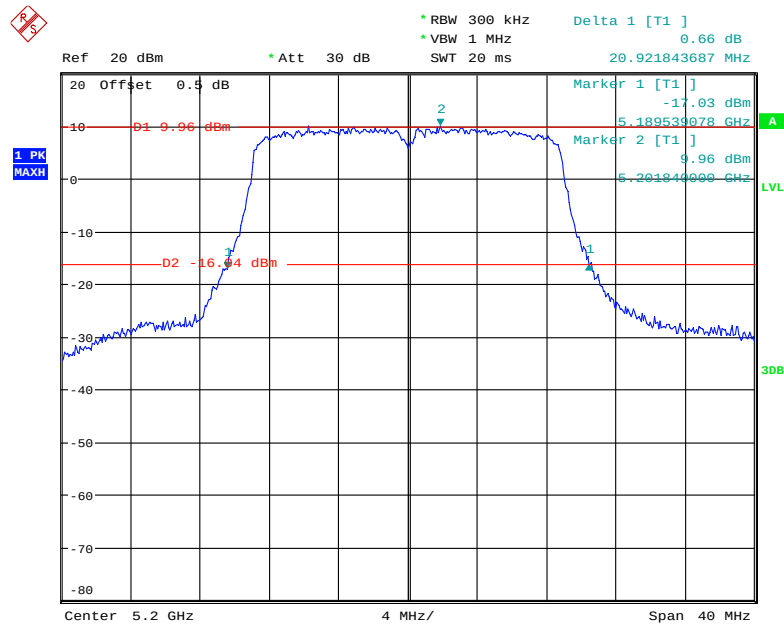
Date: 29.OCT.2017 17:55:36

802.11n ac20 Low Channel



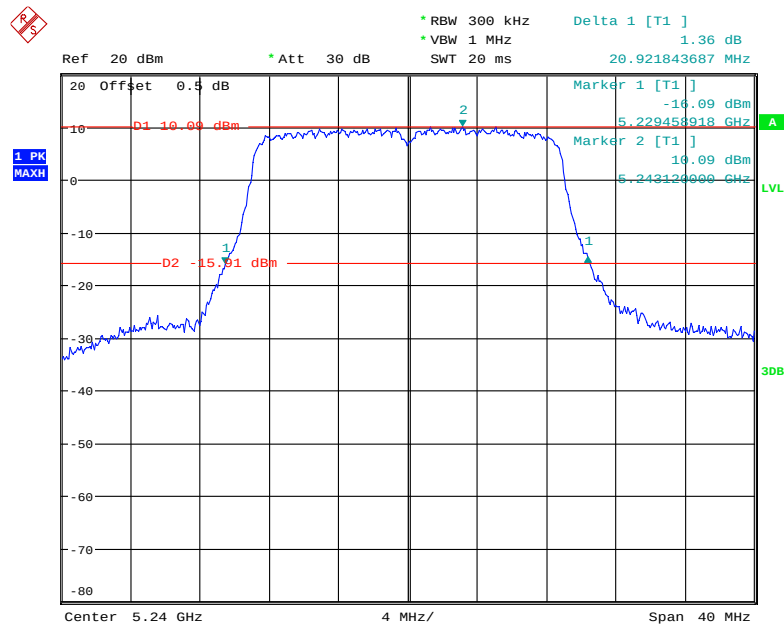
Date: 29.OCT.2017 14:15:10

802.11n ac20 Middle Channel



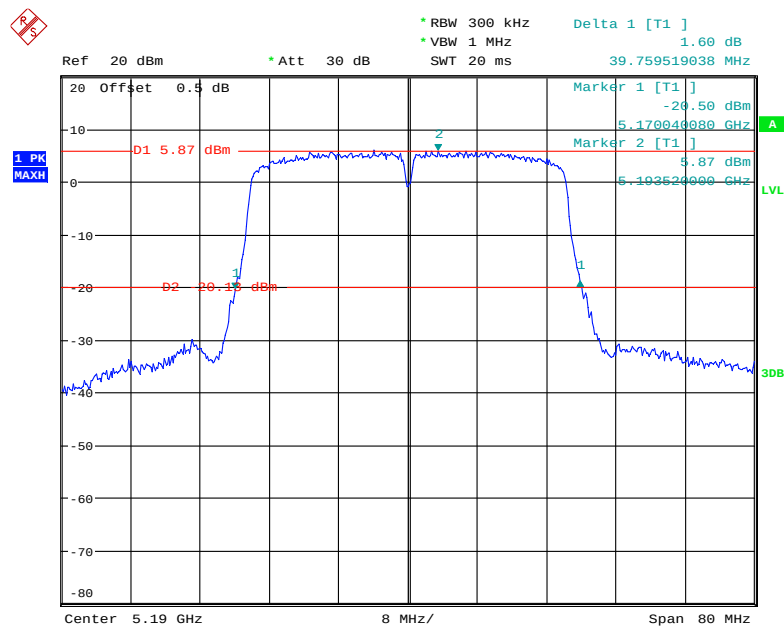
Date: 29.OCT.2017 14:16:45

802.11n ac20 High Channel



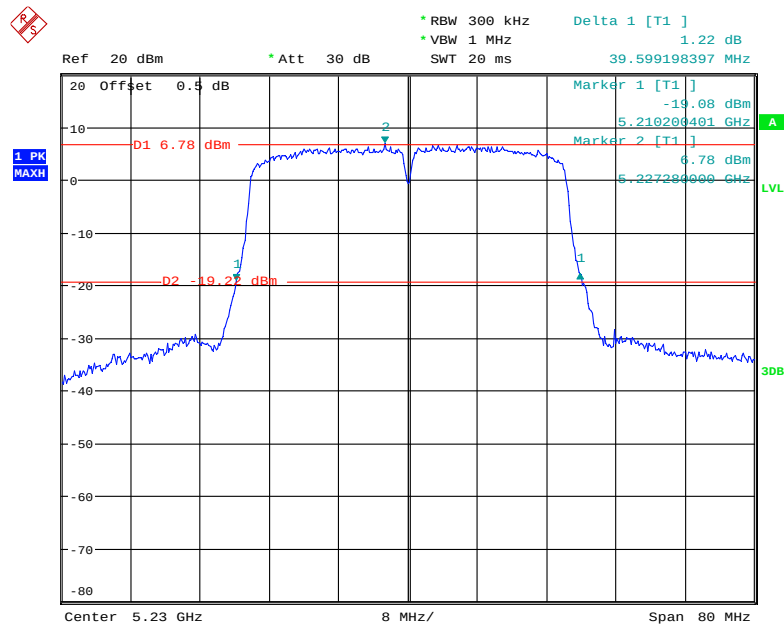
Date: 29.OCT.2017 14:17:45

802.11n ac40 Low Channel



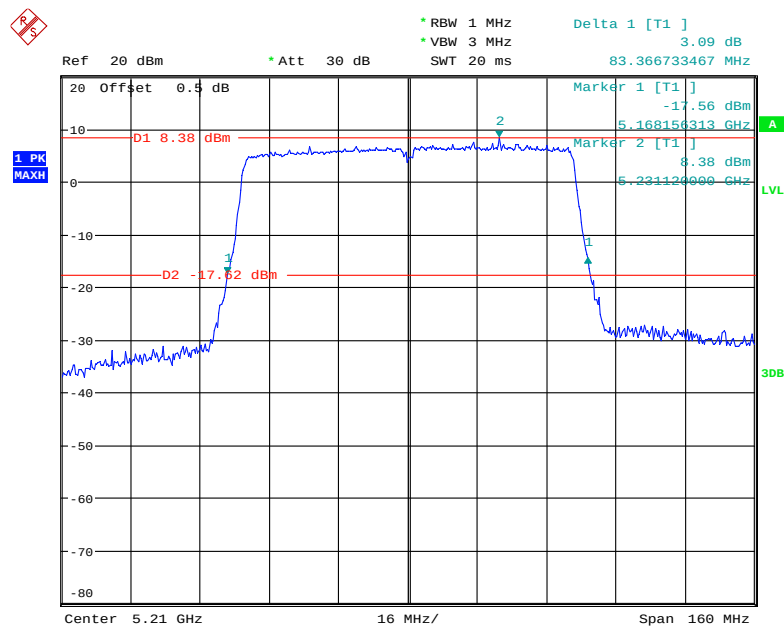
Date: 30.OCT.2017 18:45:47

802.11n ac40 High Channel



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

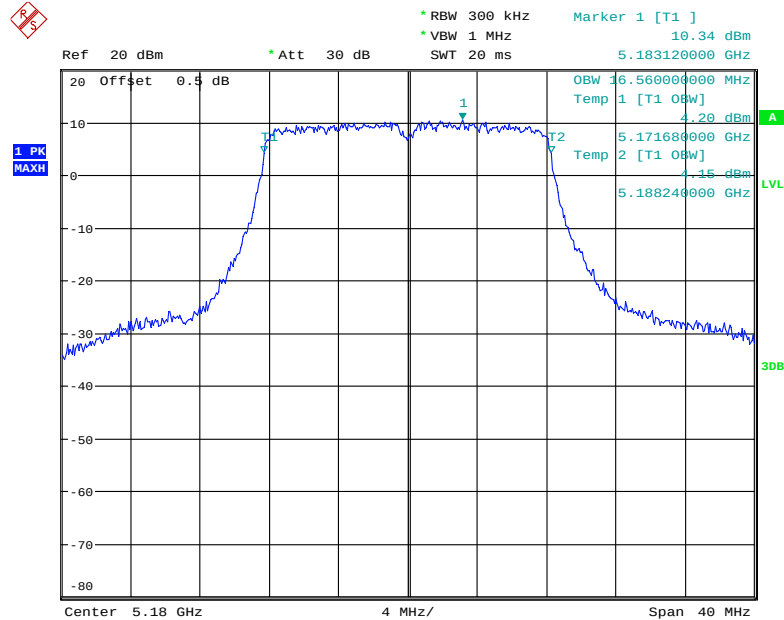
802.11ac80 Middle Channel



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

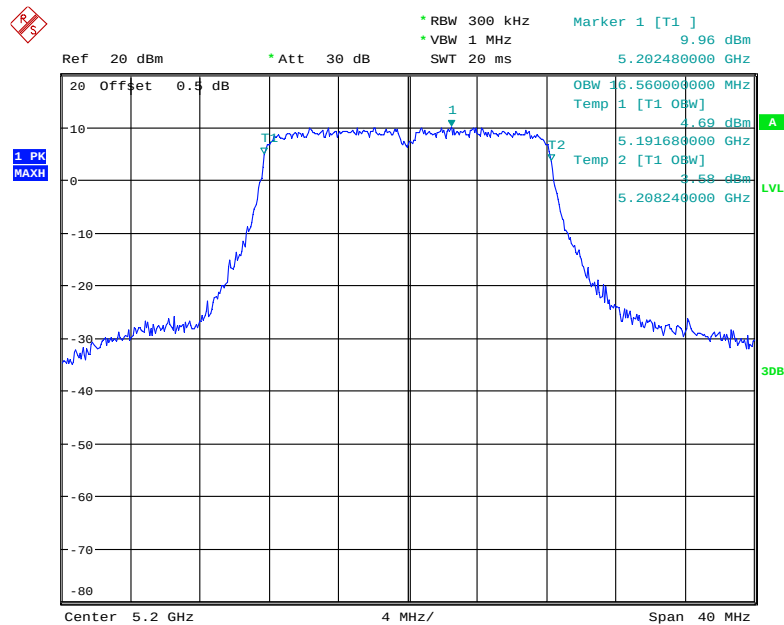
99% Occupied Bandwidth

802.11a Low Channel



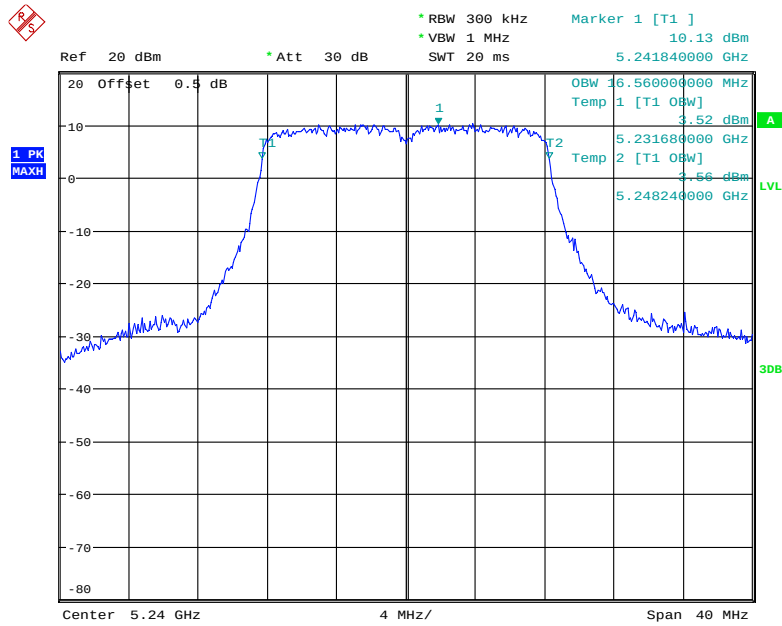
Date: 29.OCT.2017 10:38:05

802.11a Middle Channel



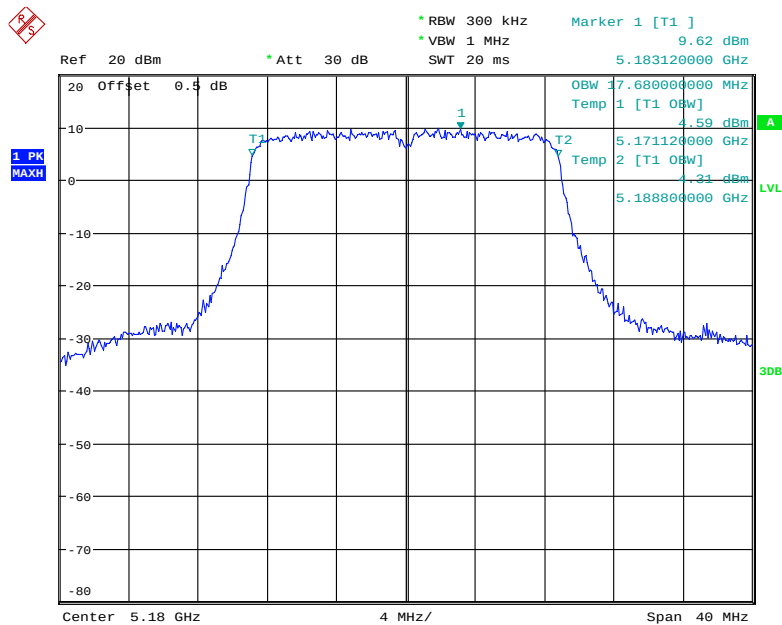
Date: 29.OCT.2017 10:39:00

802.11a High Channel



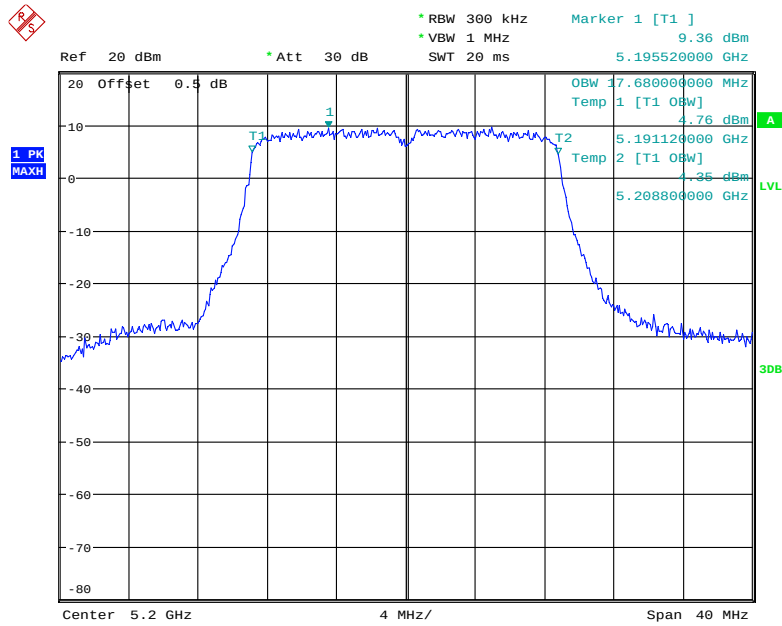
Date: 29.OCT.2017 10:40:14

802.11n ht20 Low Channel



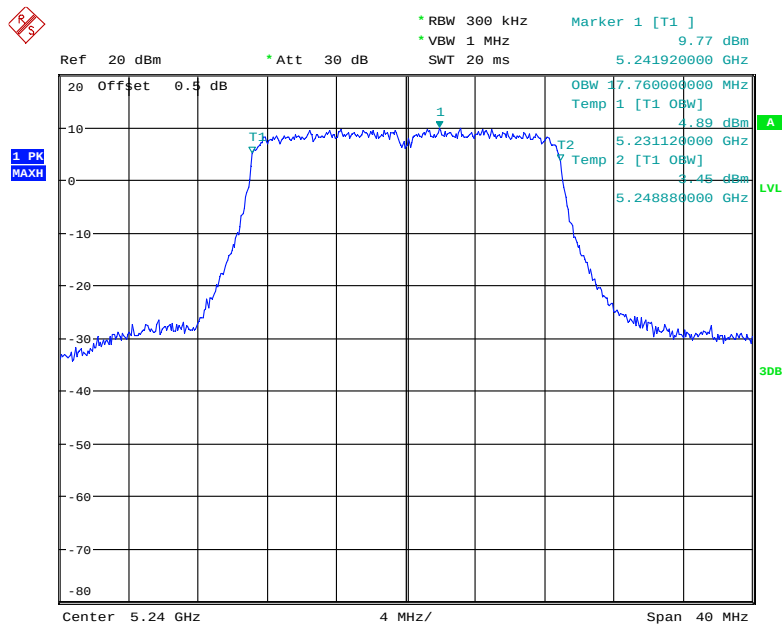
Date: 29.OCT.2017 14:13:11

802.11n ht20 Middle Channel



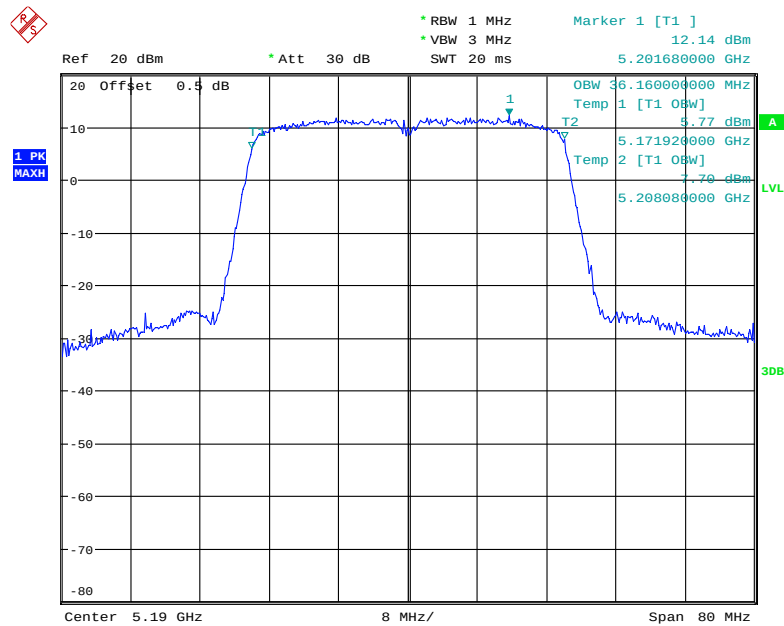
Date: 29.OCT.2017 14:12:00

802.11n ht20 High Channel



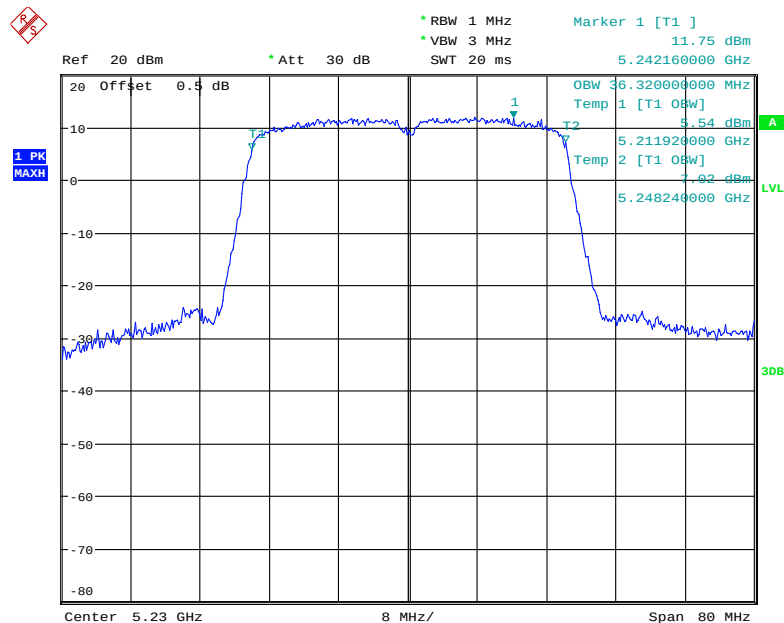
Date: 29.OCT.2017 14:10:38

802.11n ht40 Low Channel



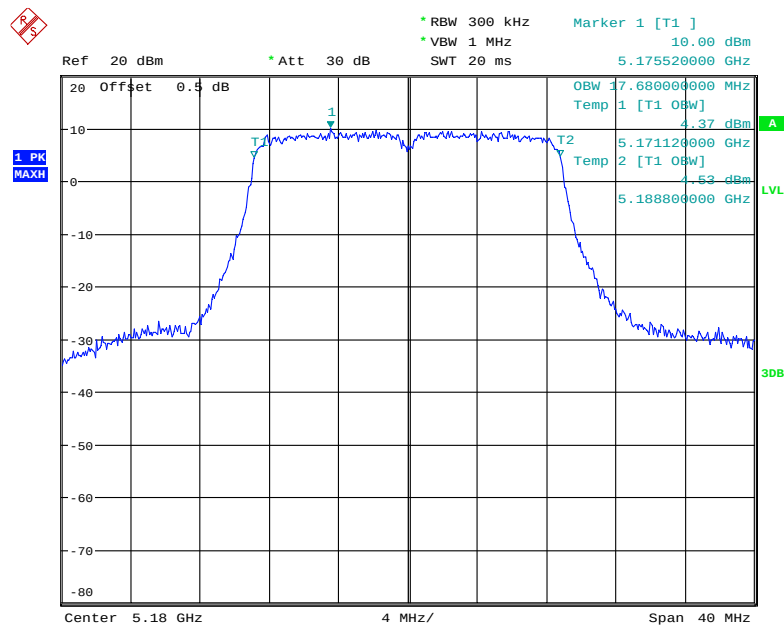
Date: 29.OCT.2017 17:57:16

802.11n ht40 High Channel



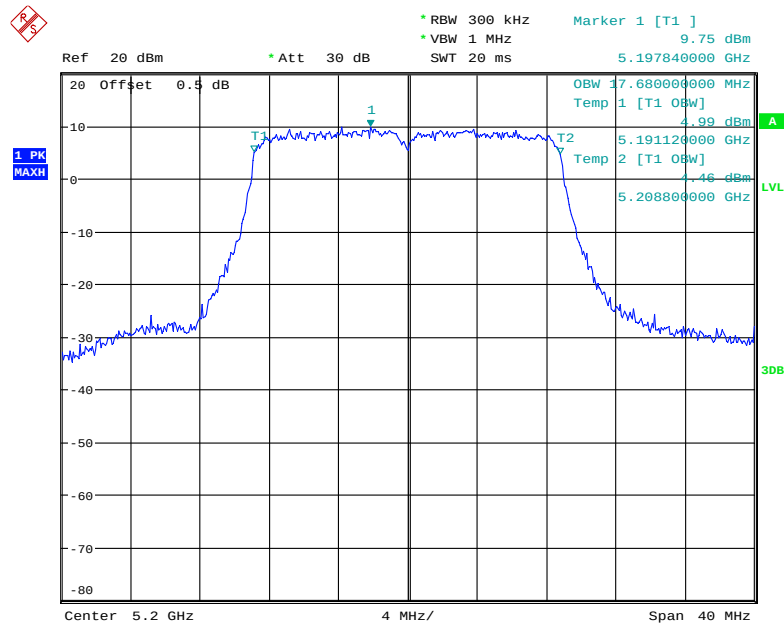
Date: 29.OCT.2017 17:55:49

802.11n ac20 Low Channel



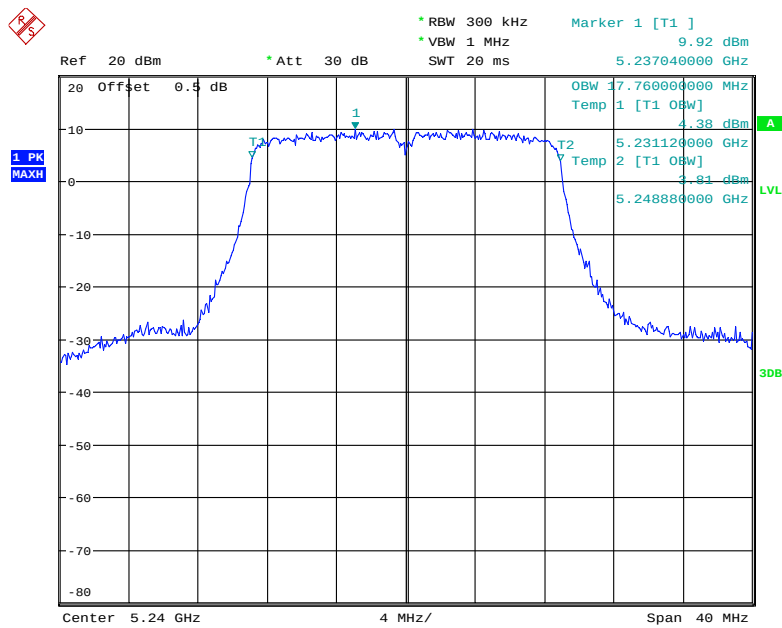
Date: 29.OCT.2017 14:15:21

802.11n ac20 Middle Channel



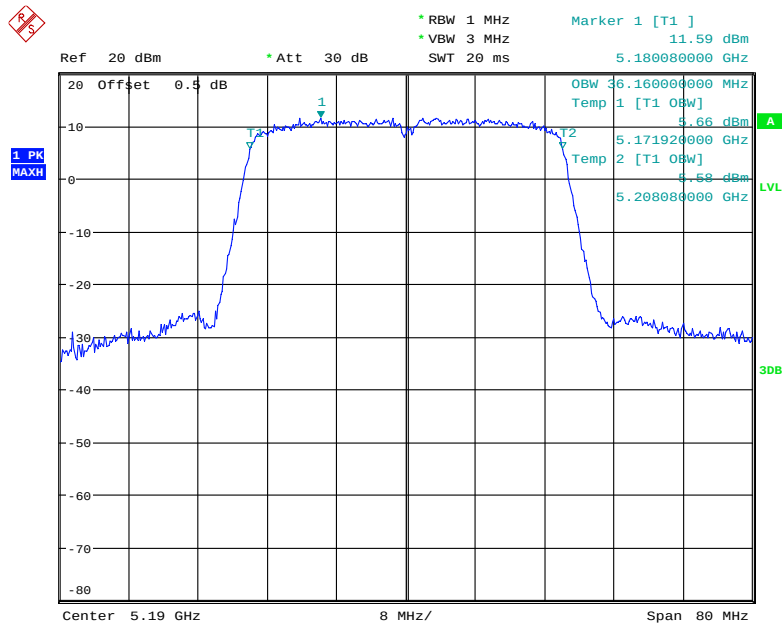
Date: 29.OCT.2017 14:16:57

802.11n ac20 High Channel



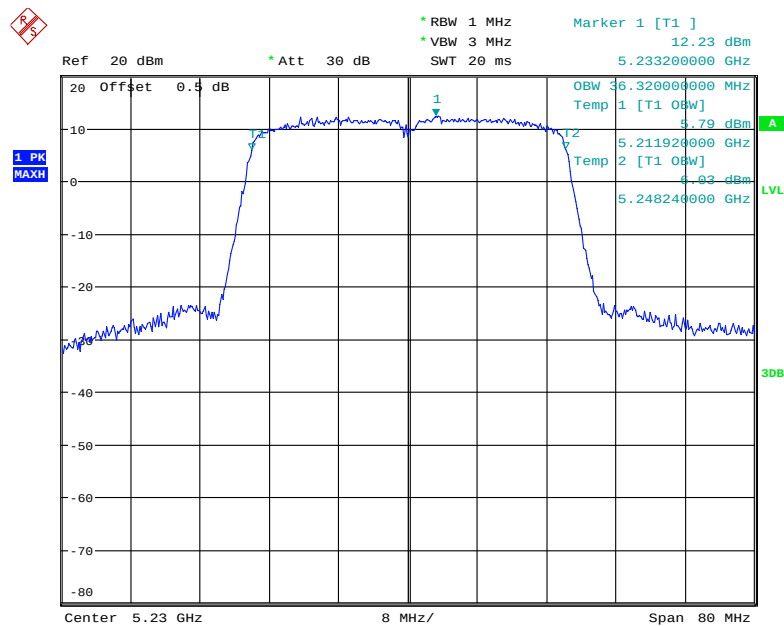
Date: 29.OCT.2017 14:17:57

802.11n ac40 Low Channel



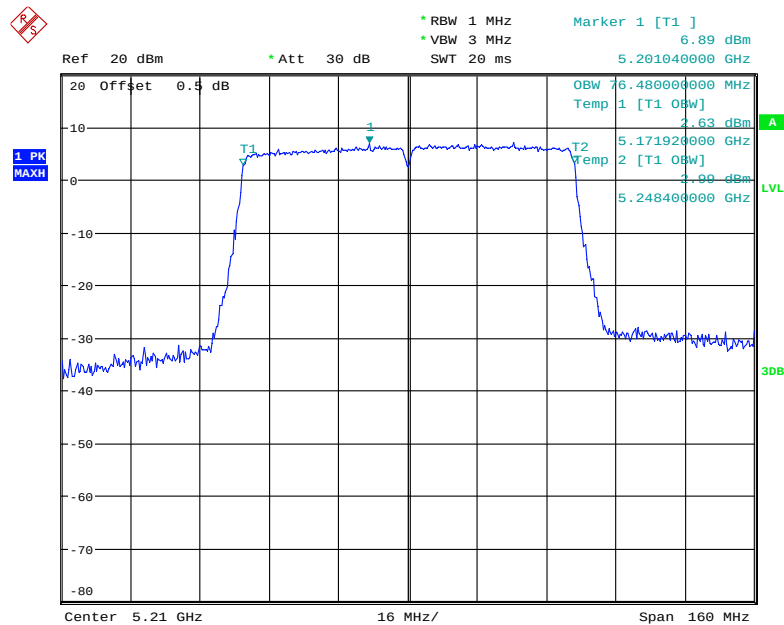
Date: 30.OCT.2017 18:45:59

802.11n ac40 High Channel

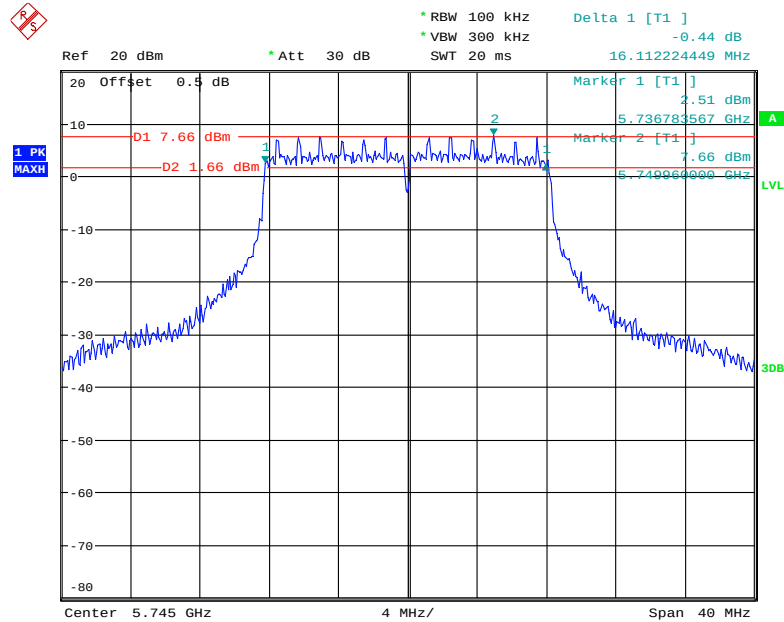


Date: 30.OCT.2017 18:47:41

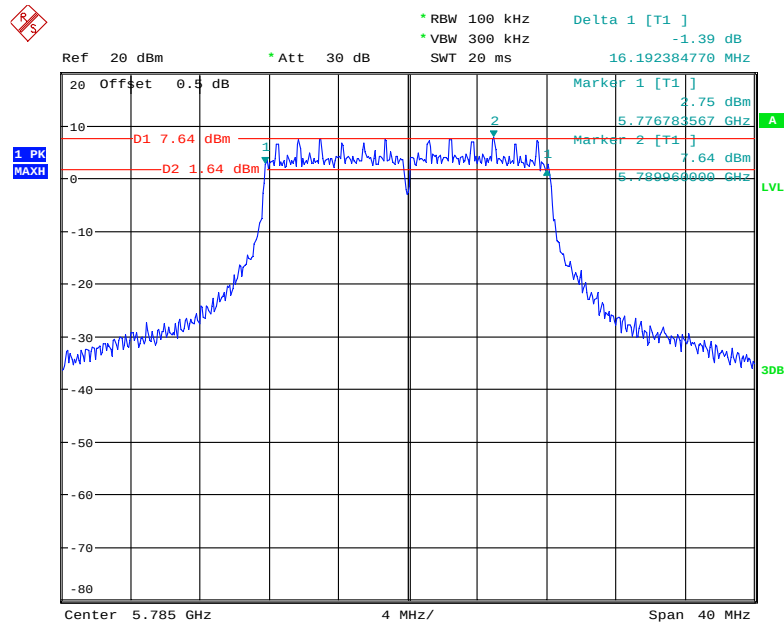
802.11ac80 Middle Channel



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

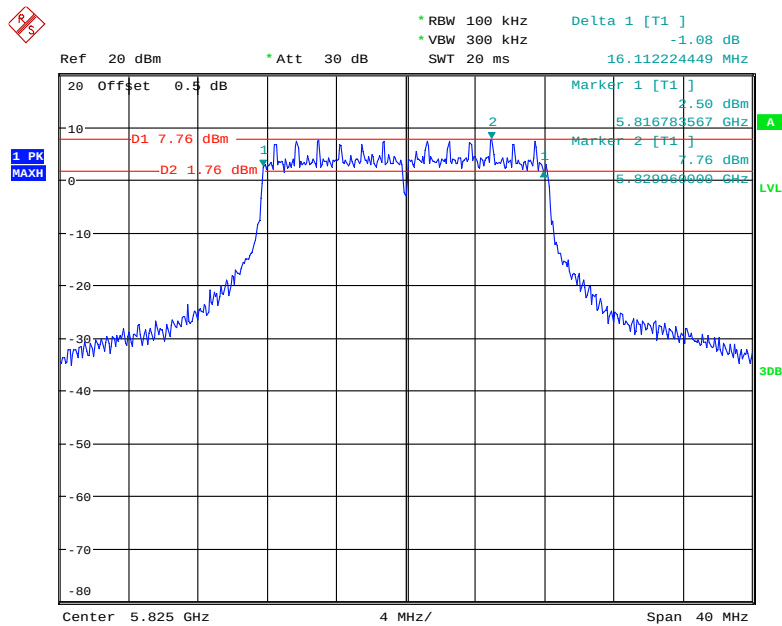
5725-5850 MHz: 6dB Emission Bandwidth:**802.11a Low Channel**

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

802.11a Middle Channel

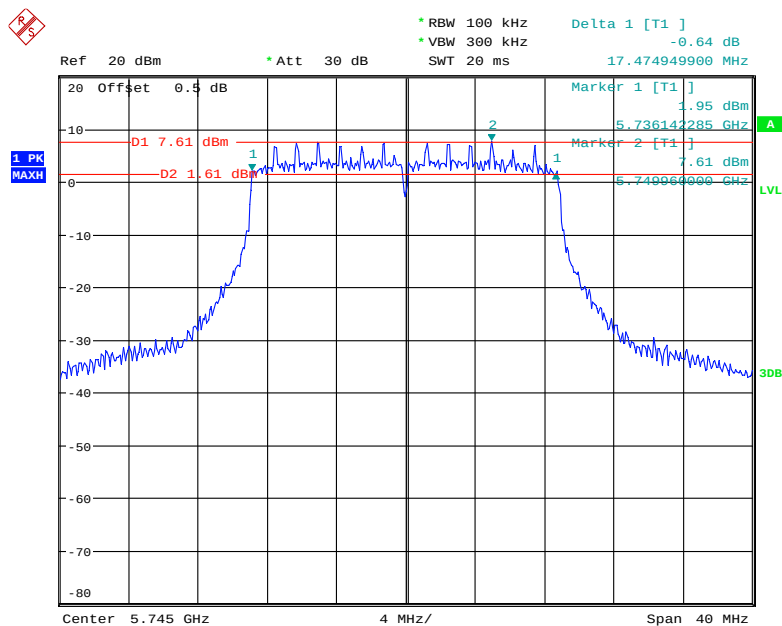
Date: 29.OCT.2017 10:51:57

802.11a High Channel



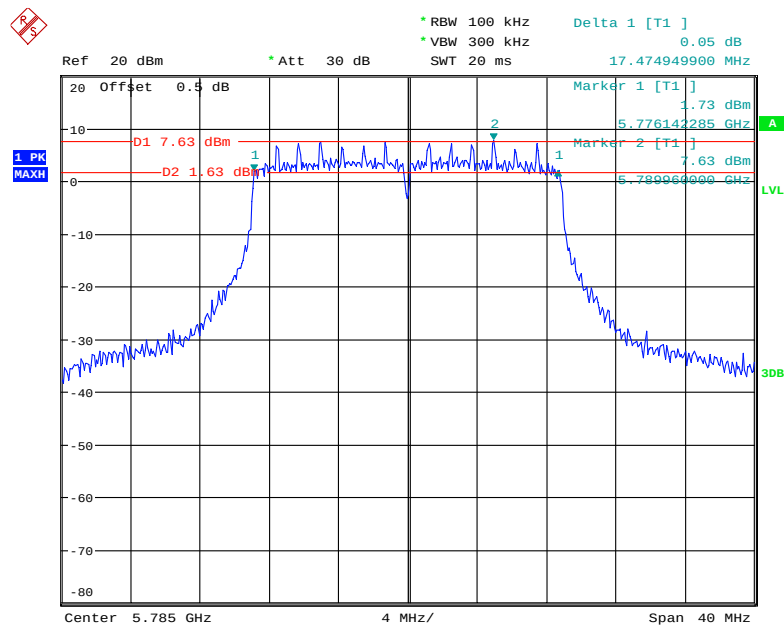
Date: 29.OCT.2017 10:53:17

802.11n ht20 Low Channel



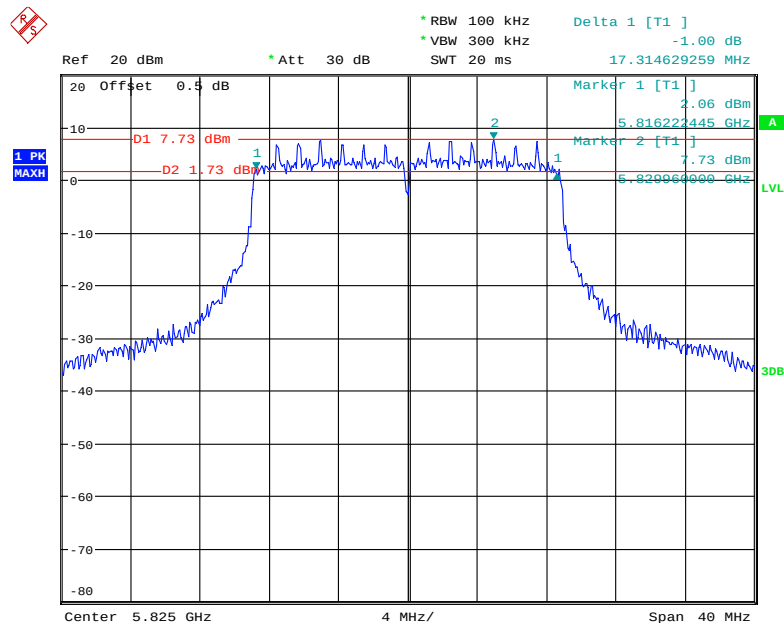
Date: 29.OCT.2017 14:00:31

802.11n ht20 Middle Channel



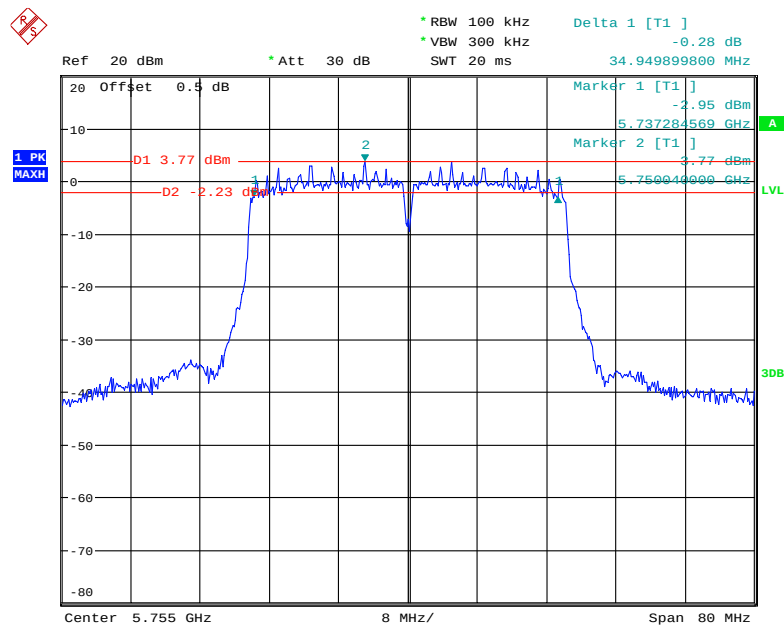
Date: 29.OCT.2017 13:59:02

802.11n ht20 High Channel



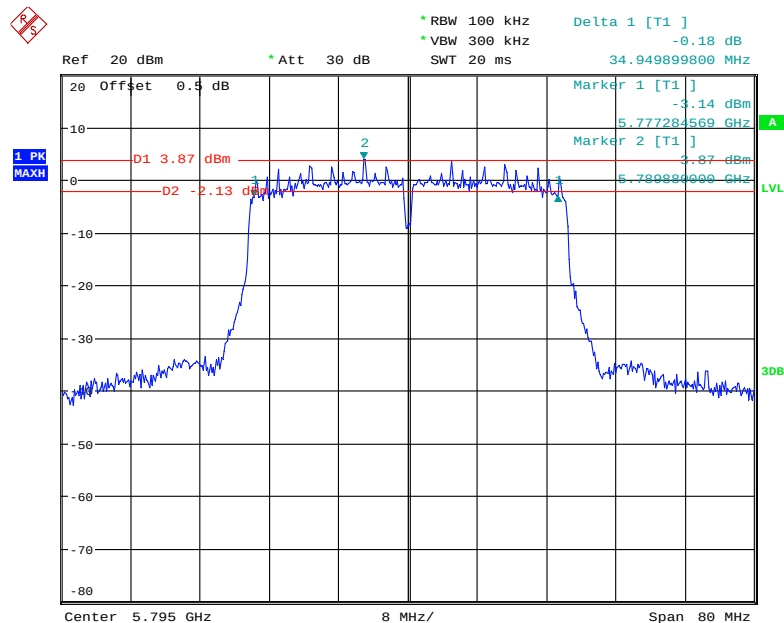
Date: 29.OCT.2017 13:57:07

802.11n ht40 Low Channel



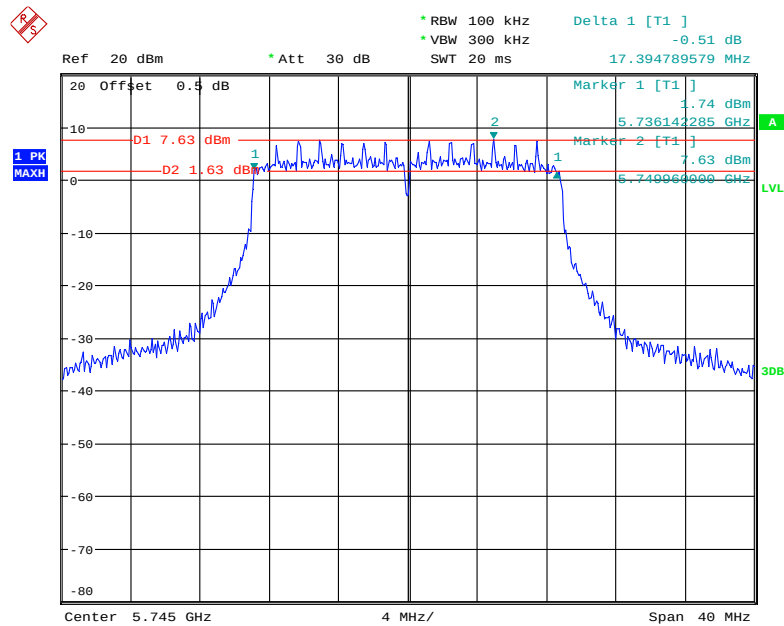
Date: 29.OCT.2017 17:43:24

802.11n ht40 High Channel



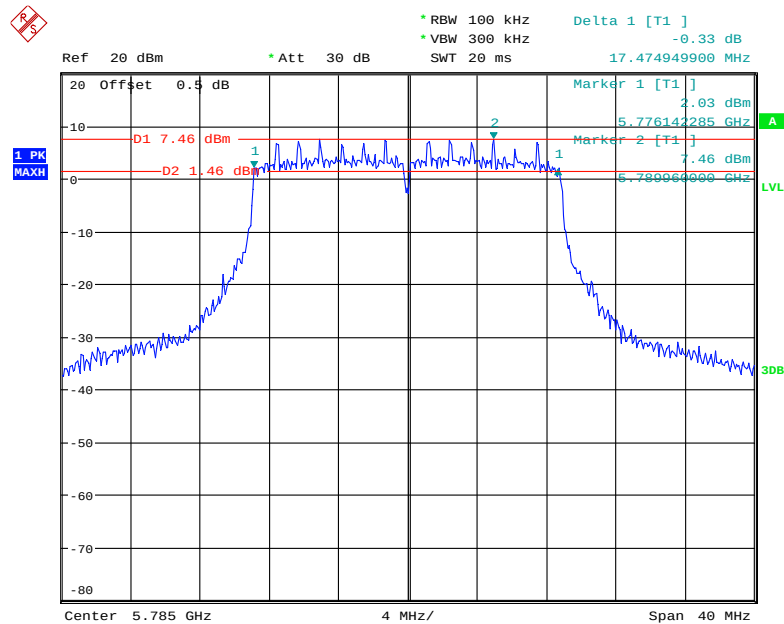
Date: 29.OCT.2017 17:41:16

802.11n ac20 Low Channel



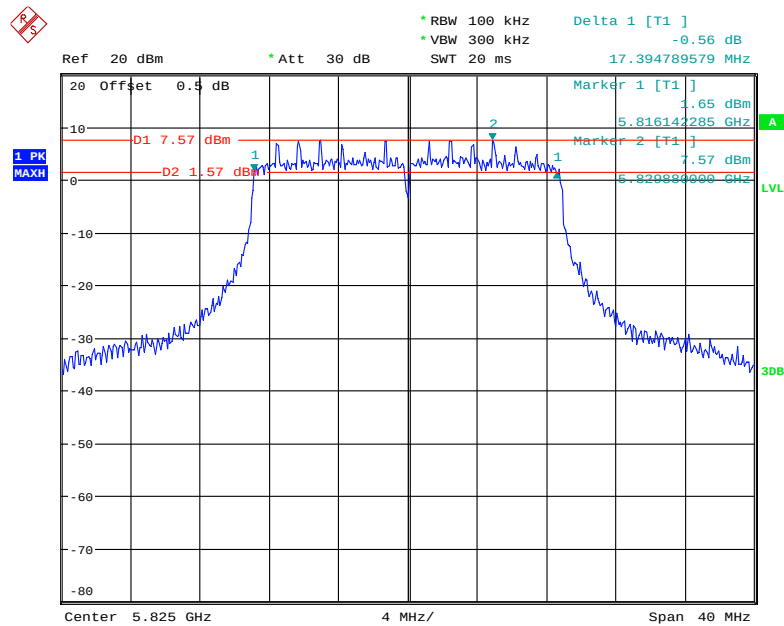
Date: 29.OCT.2017 14:28:37

802.11n ac20 Middle Channel



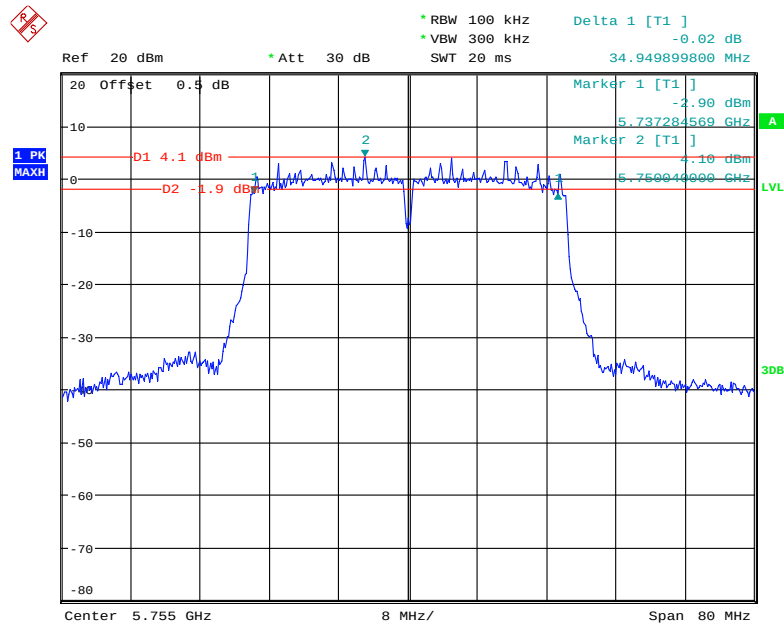
Date: 29.OCT.2017 14:30:30

802.11n ac20 High Channel



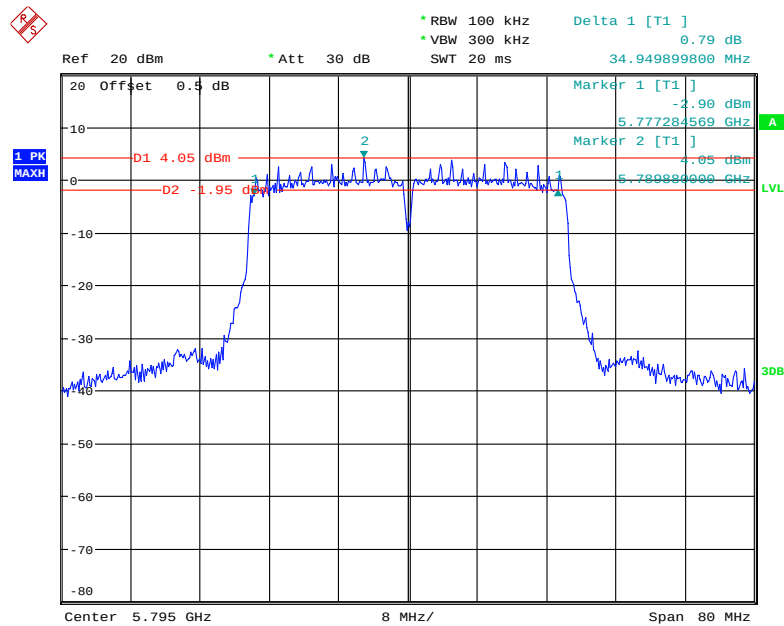
Date: 29.OCT.2017 14:31:54

802.11n ac40 Low Channel



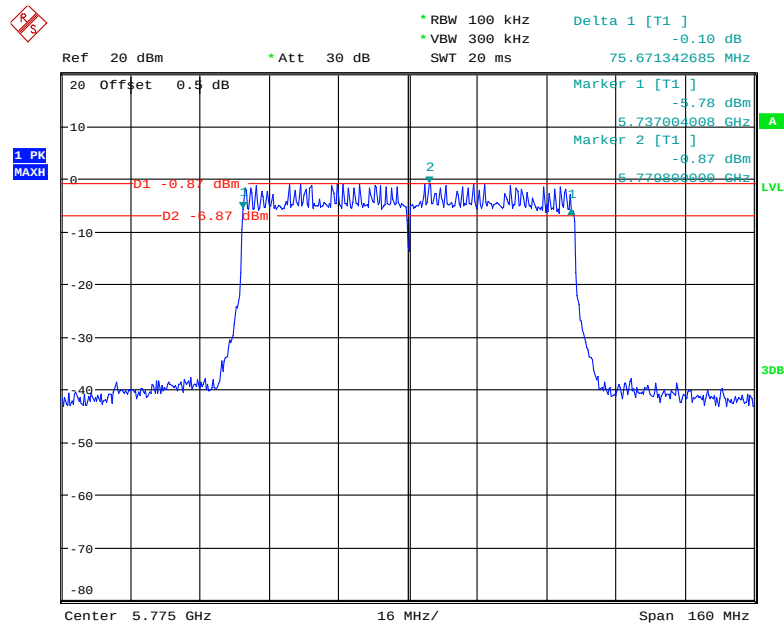
Date: 30.OCT.2017 18:59:21

802.11n ac40 High Channel



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

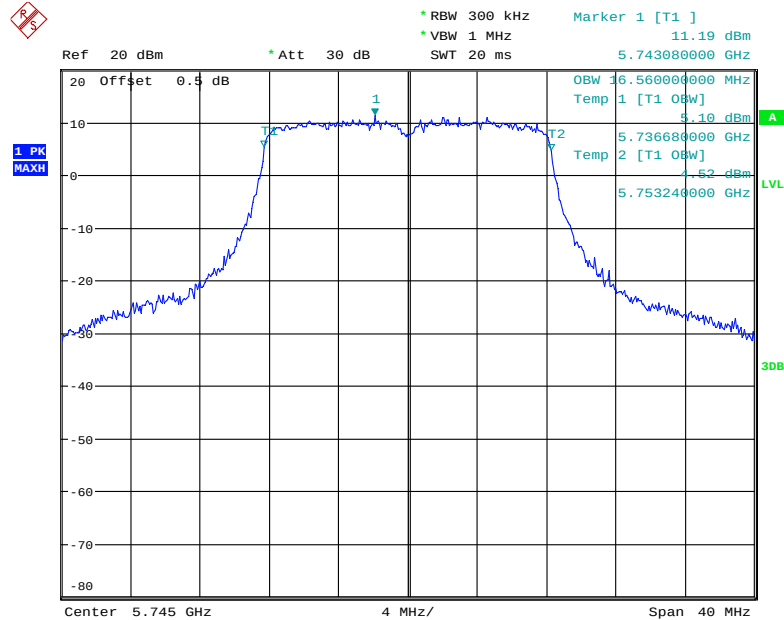
802.11ac80 Middle Channel



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

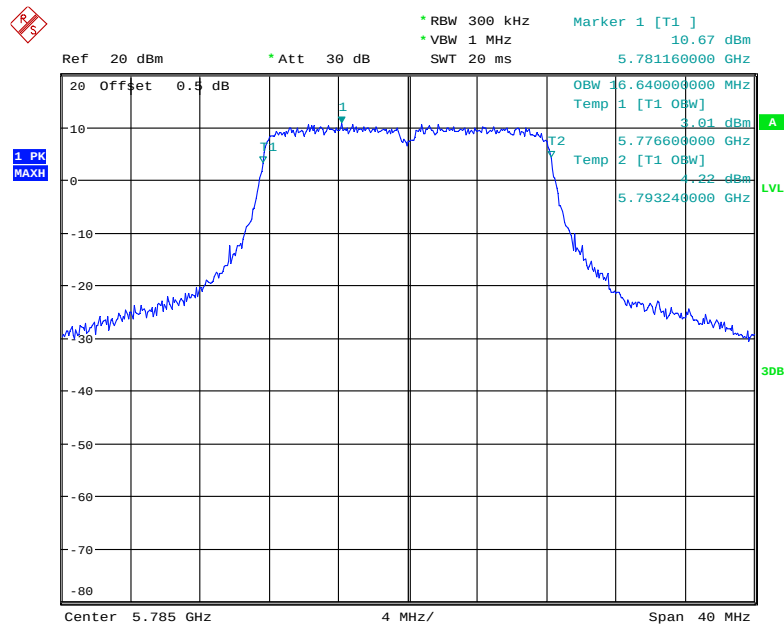
99% Occupied Bandwidth

802.11a Low Channel



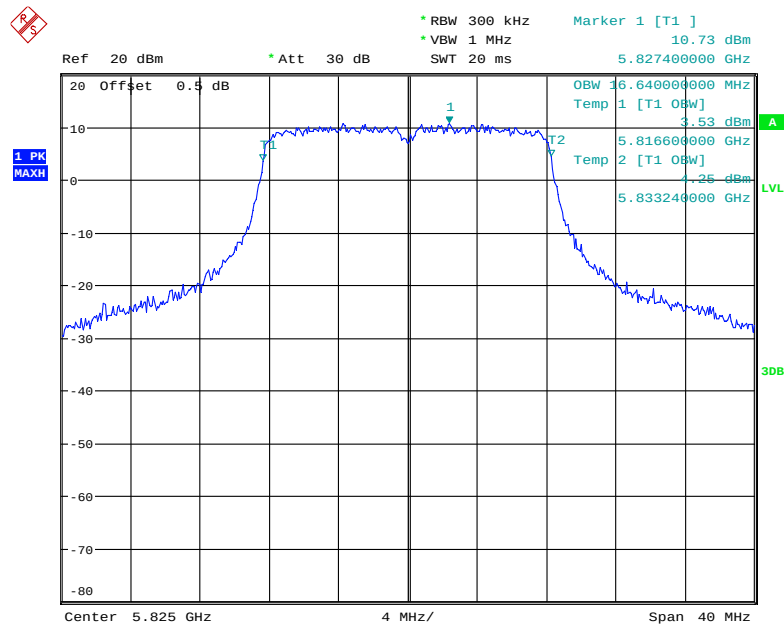
Date: 29.OCT.2017 10:50:13

802.11a Middle Channel



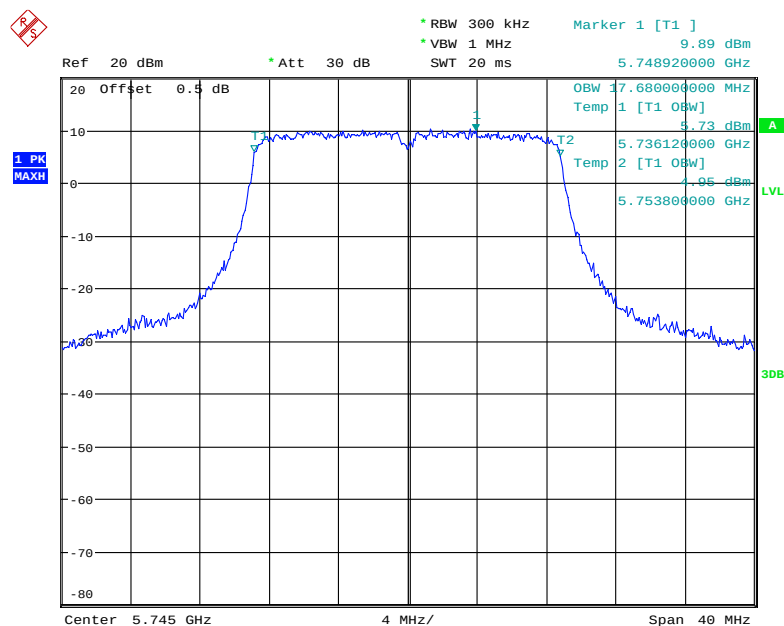
Date: 29.OCT.2017 10:52:08

802.11a High Channel



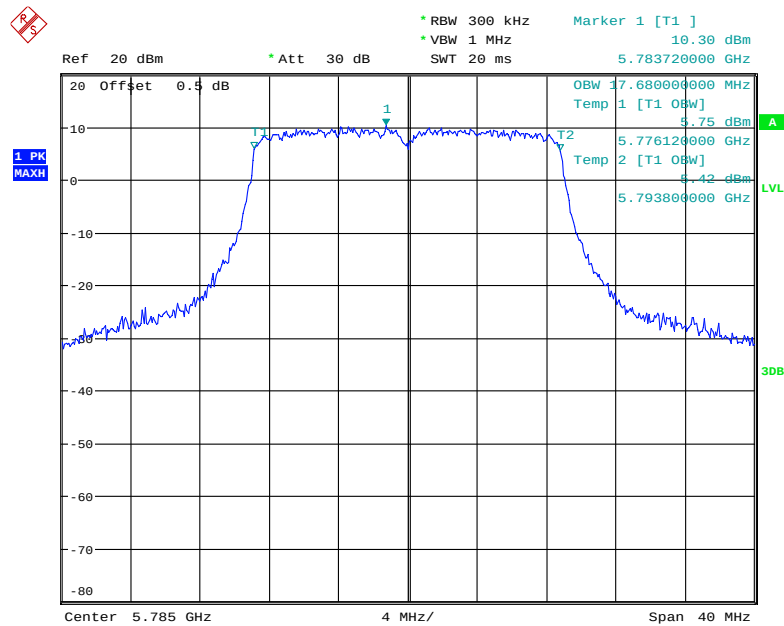
Date: 29.OCT.2017 10:53:29

802.11n ht20 Low Channel



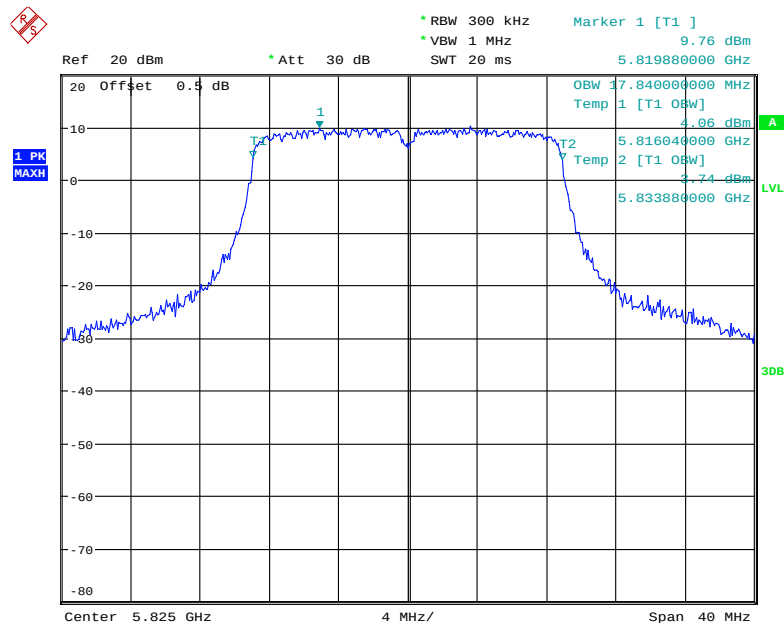
Date: 29.OCT.2017 14:00:45

802.11n ht20 Middle Channel



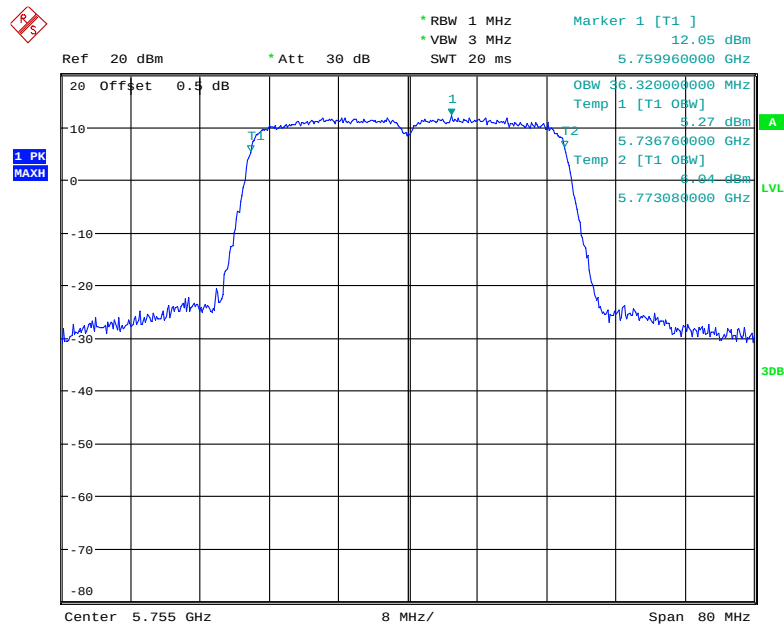
Date: 29.OCT.2017 13:59:14

802.11n ht20 High Channel



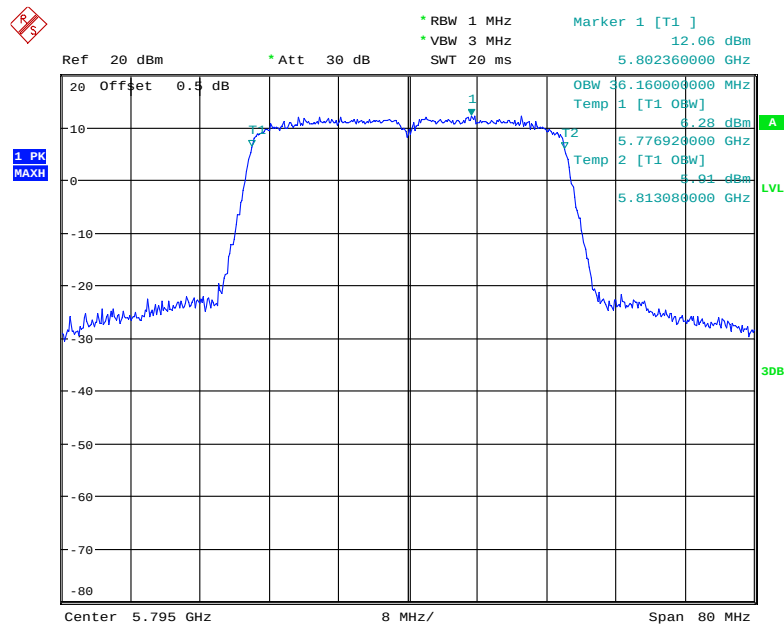
Date: 29.OCT.2017 13:57:19

802.11n ht40 Low Channel



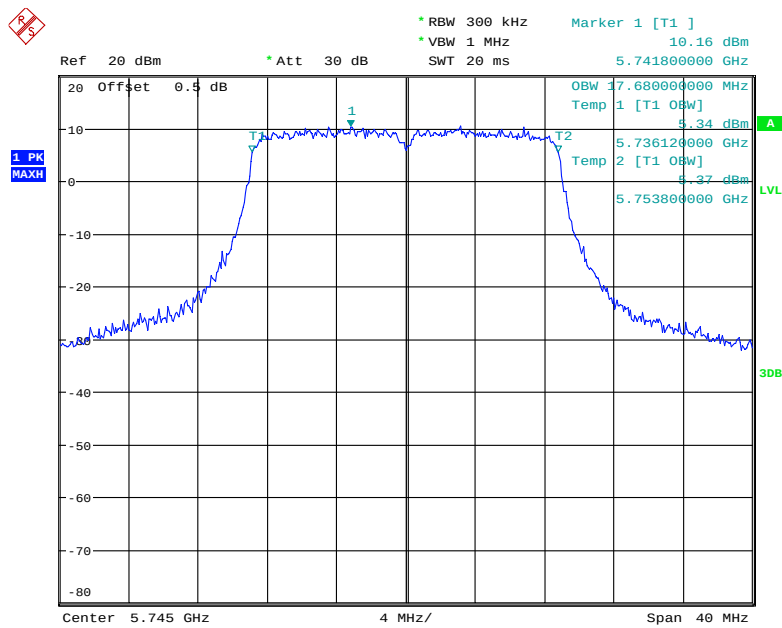
Date: 29.OCT.2017 17:43:37

802.11n ht40 High Channel



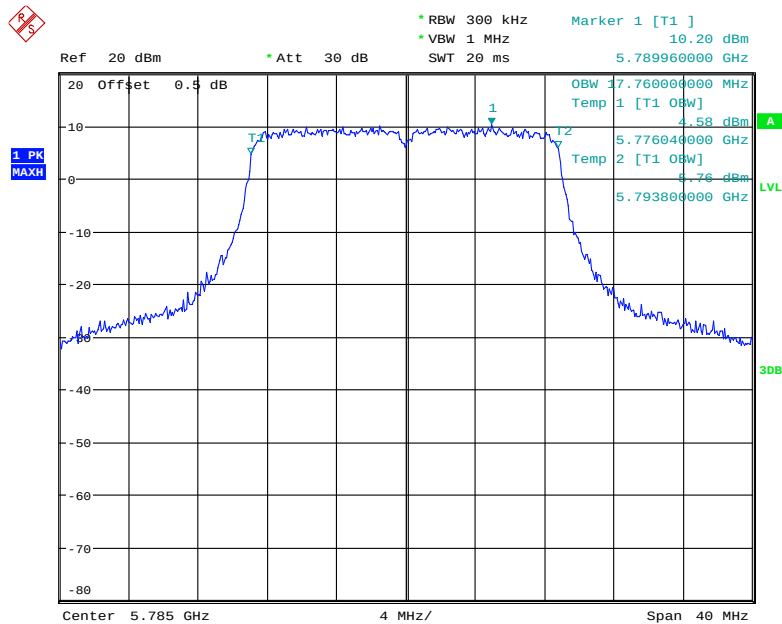
Date: 29.OCT.2017 17:41:29

802.11n ac20 Low Channel



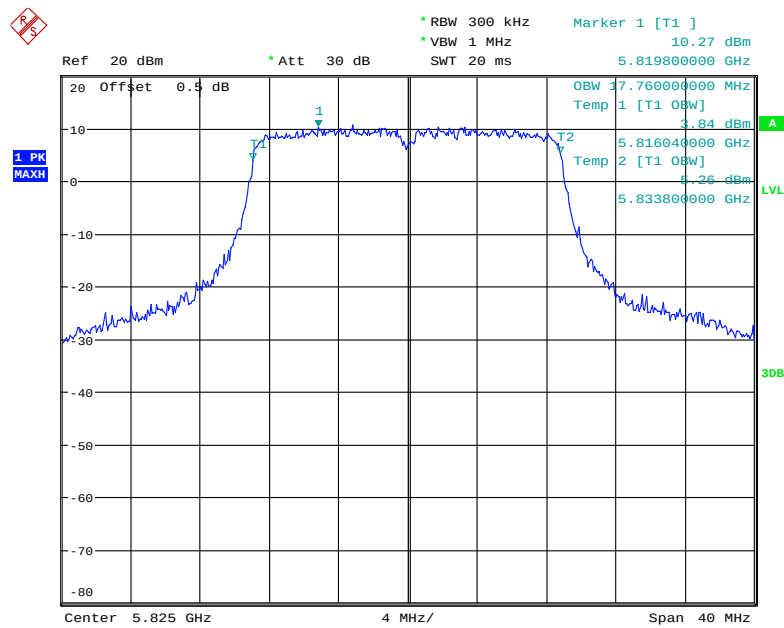
Date: 29.OCT.2017 14:28:49

802.11n ac20 Middle Channel



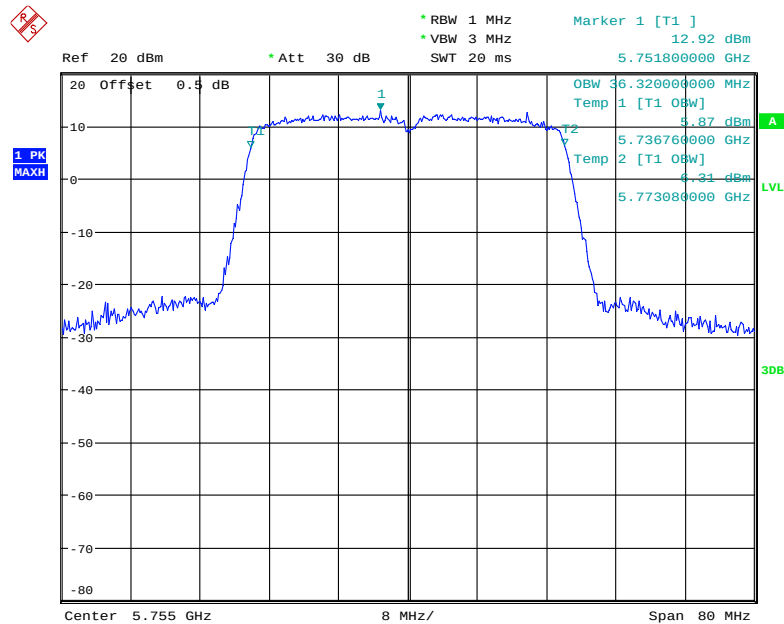
Date: 29.OCT.2017 14:30:42

802.11n ac20 High Channel



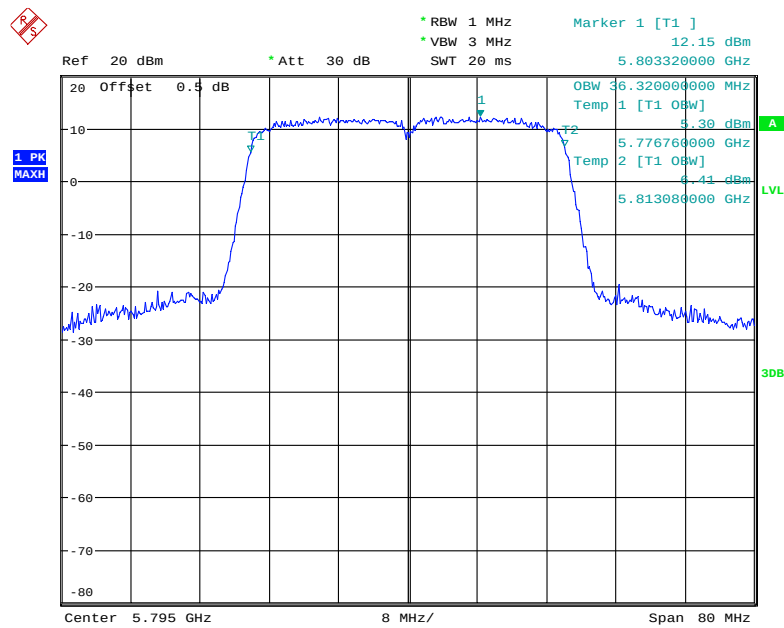
Date: 29.OCT.2017 14:32:07

802.11n ac40 Low Channel



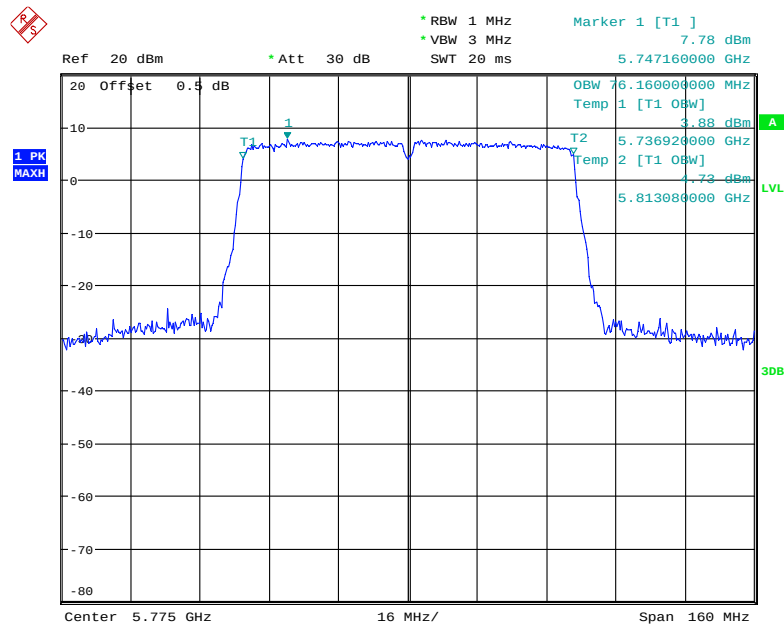
Date: 30.OCT.2017 18:59:33

802.11n ac40 High Channel



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

802.11ac80 Middle Channel



Date: 30.OCT.2017 22:20:47

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 antenna 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 antenna 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 $N_{ANT} \leq 4$;

So:

Directional gain = $G_{ANT} + \text{Array Gain} = 2.8\text{dBi} < 6\text{dBi}$

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 antenna 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 $N_{ANT} \leq 4$;

So:

Directional gain = $G_{ANT} + \text{Array Gain} = 2.8\text{dBi} < 6\text{dBi}$

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 antenna 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:

$$\text{Array Gain} = 10 \log(\text{NANT}/\text{NSS}) \text{ dB};$$

So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2.8\text{dBi} + 10 \log(1) = 2.8\text{dBi}$$

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:

$$\text{Array Gain} = 10 \log(\text{NANT}/\text{NSS}) \text{ dB};$$

So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2.8 \text{ dBi} + 10 \log(1) = 2.8\text{dBi}$$

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 antenna 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:

$$\text{Array Gain} = 10 \log(\text{NANT}/\text{NSS}) \text{ dB};$$

So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2.8\text{dBi} + 10 \log(1) = 2.8\text{dBi}$$

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 antenna 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 $N_{ANT} \leq 4$;

So:

Directional gain = $G_{ANT} + \text{Array Gain} = 2.8\text{dBi} < 6\text{dBi}$

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 antenna 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 $N_{ANT} \leq 4$;

So:

Directional gain = $G_{ANT} + \text{Array Gain} = 2.8\text{dBi} < 6\text{dBi}$

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 antenna 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 $N_{ANT} \leq 4$;

So:

Directional gain = $G_{ANT} + \text{Array Gain} = 2.8\text{dBi} < 6\text{dBi}$

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 antenna 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:

$$\text{Array Gain} = 10 \log(\text{NANT}/\text{NSS}) \text{ dB};$$

So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2.8\text{dBi} + 10 \log(1) = 2.8\text{dBi}$$

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 antenna 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:

$$\text{Array Gain} = 10 \log(\text{NANT}/\text{NSS}) \text{ dB};$$

So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2.8\text{dBi} + 10 \log(1) = 2.8\text{dBi}$$

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 antenna 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:

$$\text{Array Gain} = 10 \log(\text{NANT}/\text{NSS}) \text{ dB};$$

So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2.8\text{dBi} + 10 \log(1) = 2.8\text{dBi}$$

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 $11 + 10 \log B$ dBm, 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:

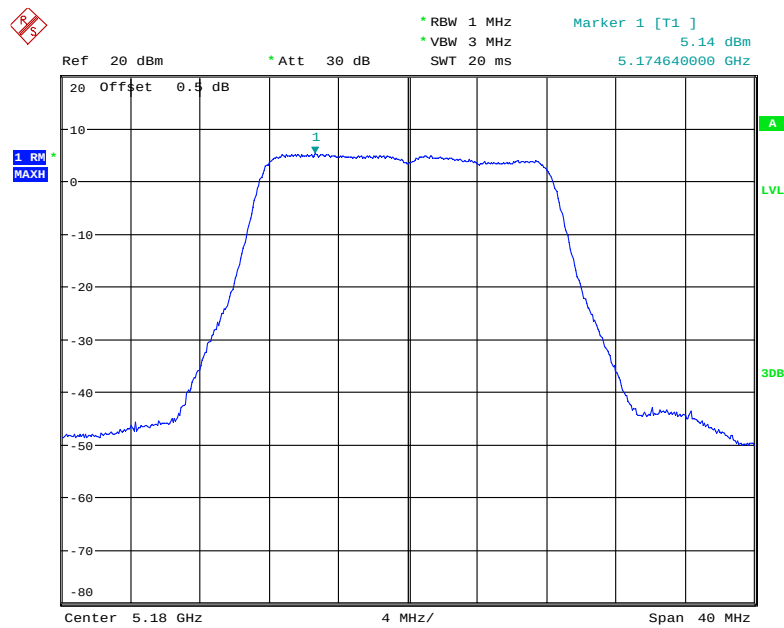
UNII Band	Mode	Frequency (MHz)	Power Spectral Density (dBm/MHz)					Limits
			Chain 0	Chain 1	Chain 2	Chain 3	Total	
5150-5250 MHz	802.11 a	5180	4.77	4.81	4.96	4.43	10.77	17
		5200	4.33	4.81	5.03	4.77	10.76	
		5240	4.24	4.71	4.63	4.71	10.60	
	802.11 ht20	5180	4.37	4.83	5.12	4.48	10.73	
		5200	4.69	4.89	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 antenna 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:

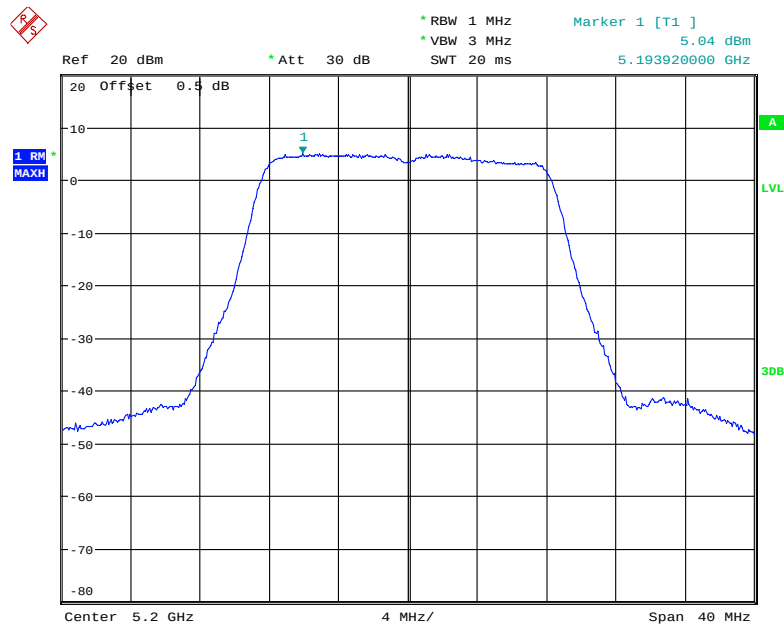
Directional gain = GANT + Array Gain = $2.8 + 10 \log(1) = 2.8$ dBi

Chain 0, 802.11a Low Channel



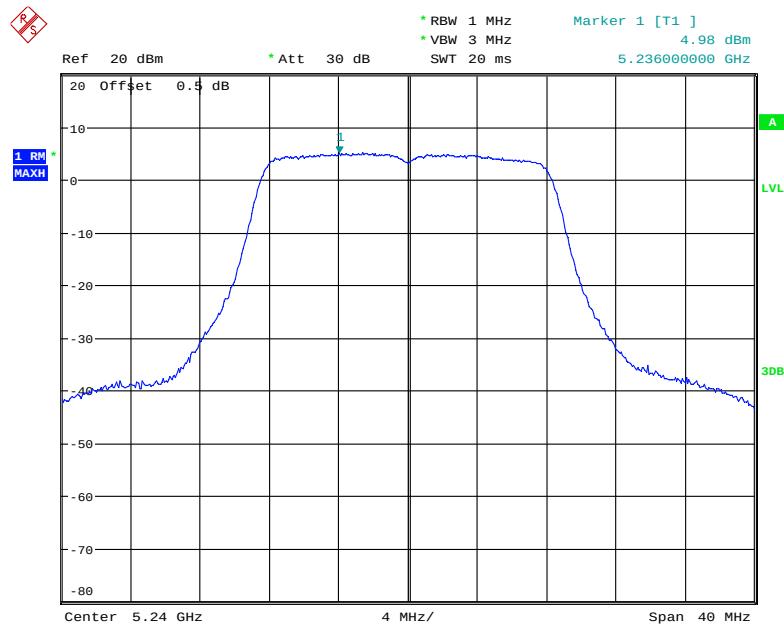
Date: 28.OCT.2017 11:43:26

Chain 0, 802.11a Middle Channel



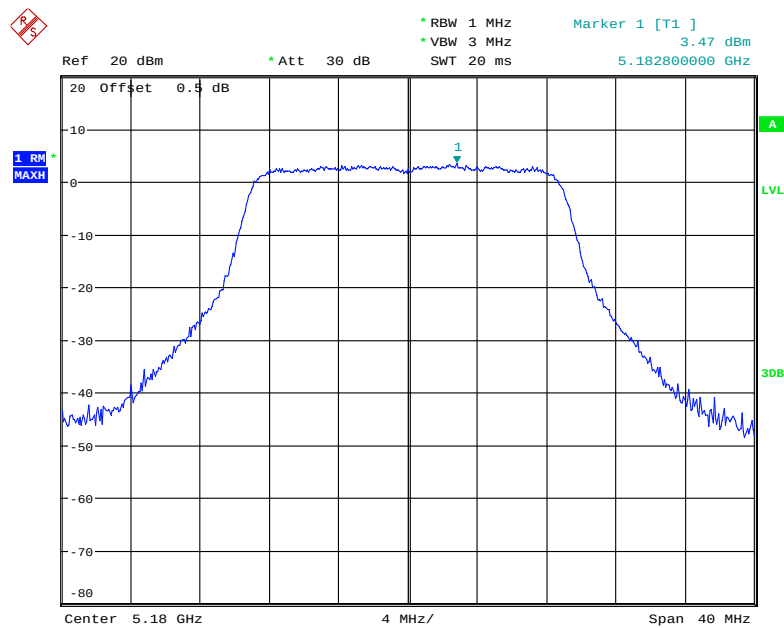
Date: 28.OCT.2017 11:44:50

Chain 0, 802.11a High Channel



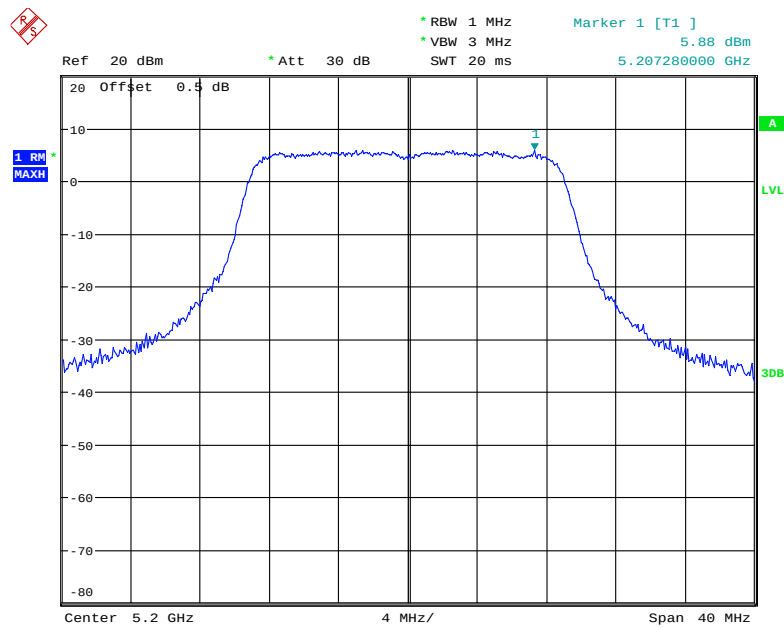
Date: 6.NOV.2017 11:21:08

Chain 0, 802.11n ht20 Low Channel



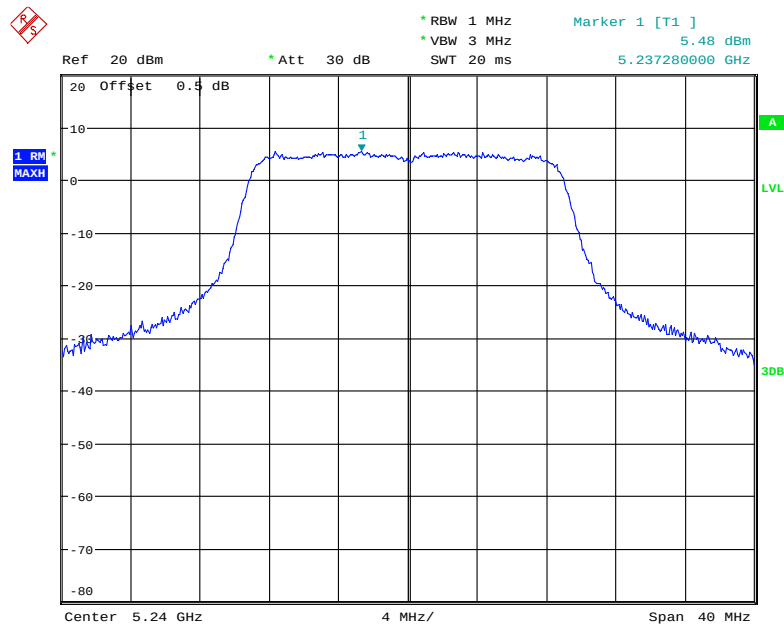
Date: 28.OCT.2017 14:20:03

Chain 0, 802.11n ht20 Middle Channel



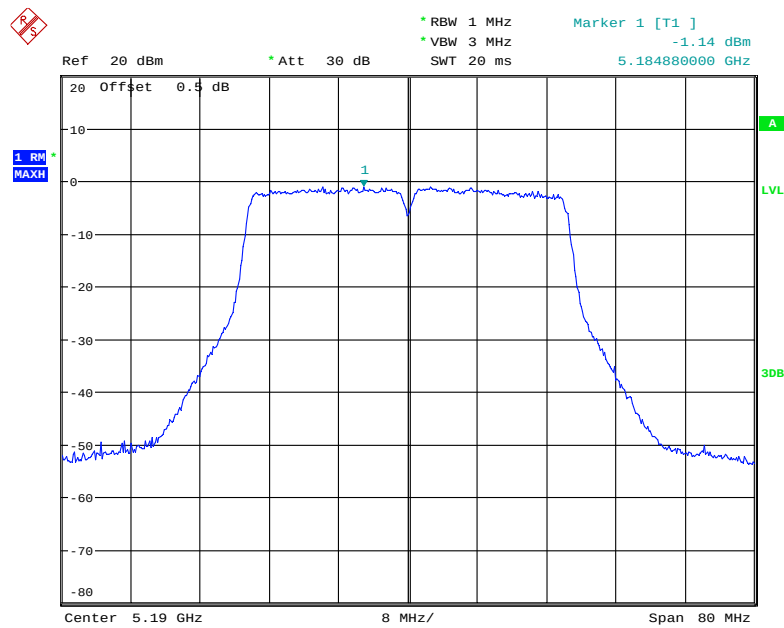
Date: 28.OCT.2017 13:43:42

Chain 0, 802.11n ht20 High Channel



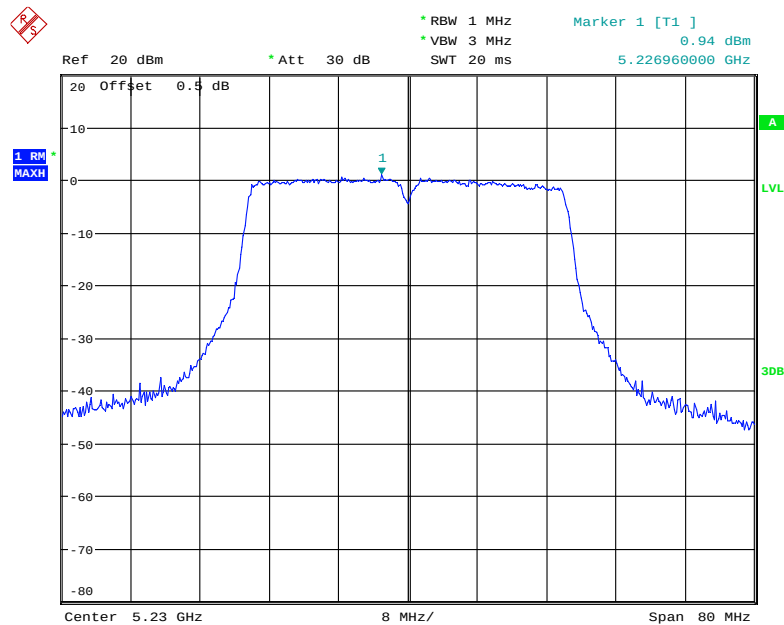
Date: 28.OCT.2017 13:44:56

Chain 0, 802.11n ht40 Low Channel



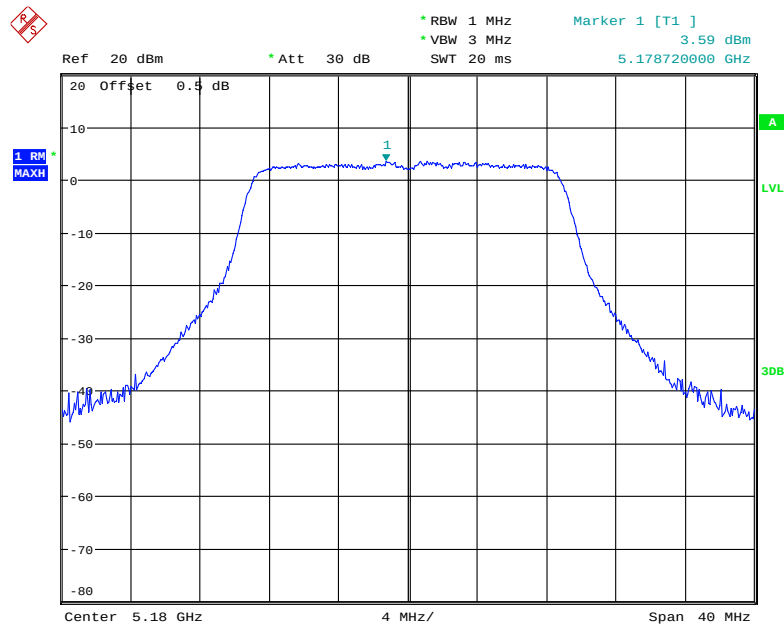
Date: 28.OCT.2017 15:13:58

Chain 0, 802.11n ht40 High Channel



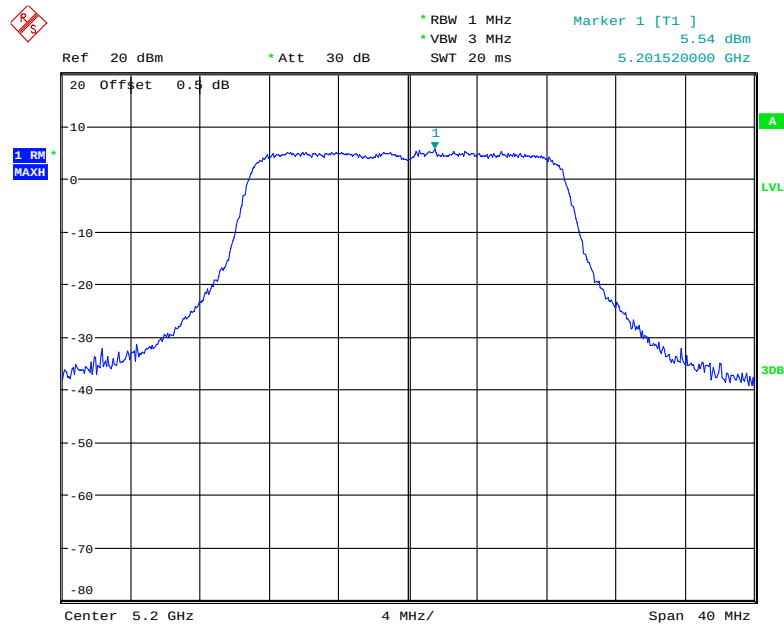
Date: 28.OCT.2017 15:46:54

Chain 0, 802.11n ac20 Low Channel



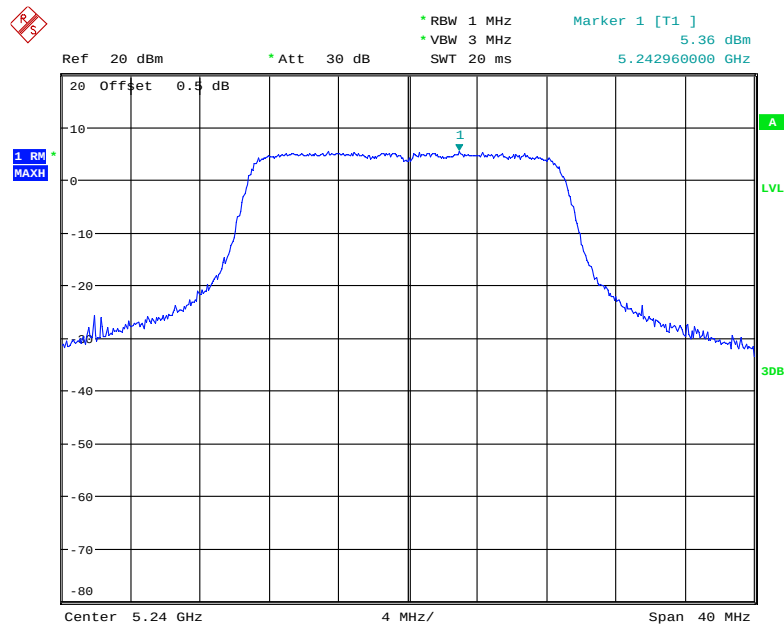
Date: 6.NOV.2017 11:43:20

Chain 0, 802.11n ac20 Middle Channel



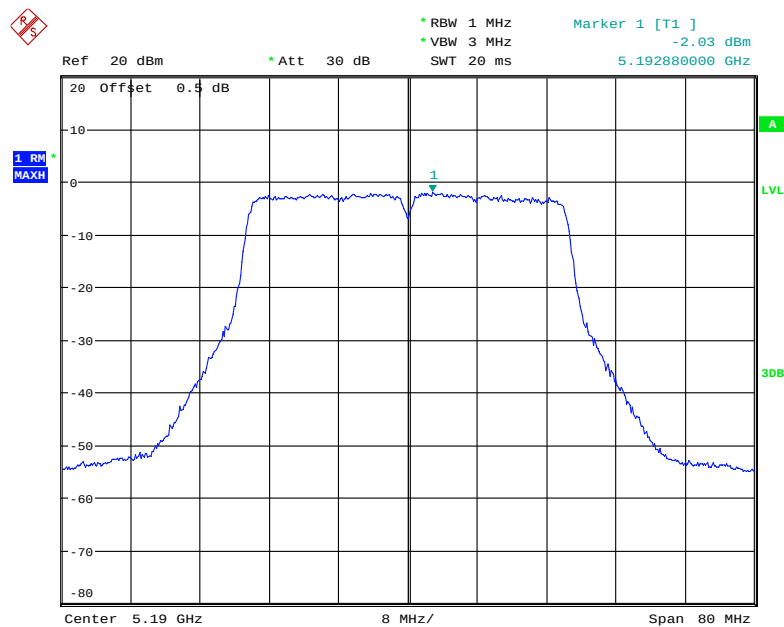
Date: 28.OCT.2017 14:55:37

Chain 0, 802.11n ac20 High Channel



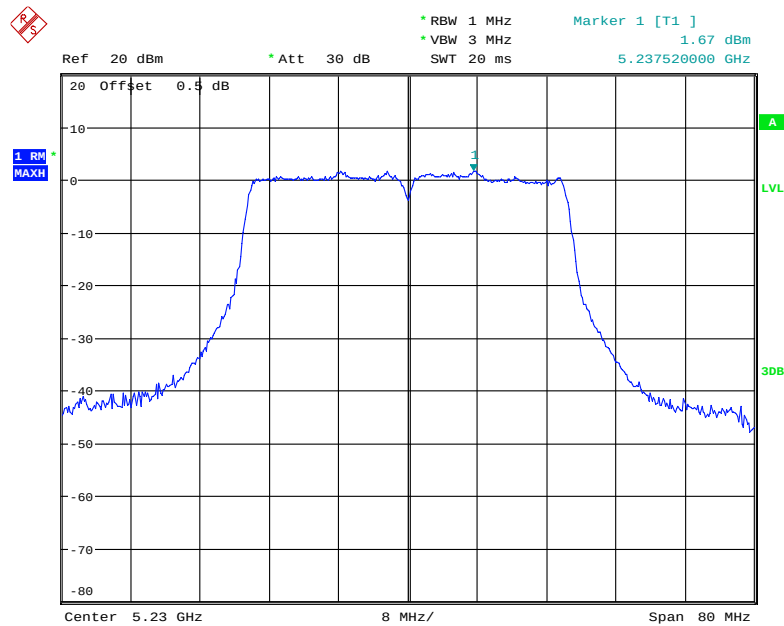
Date: 6.NOV.2017 11:45:56

Chain 0, 802.11n ac40 Low Channel



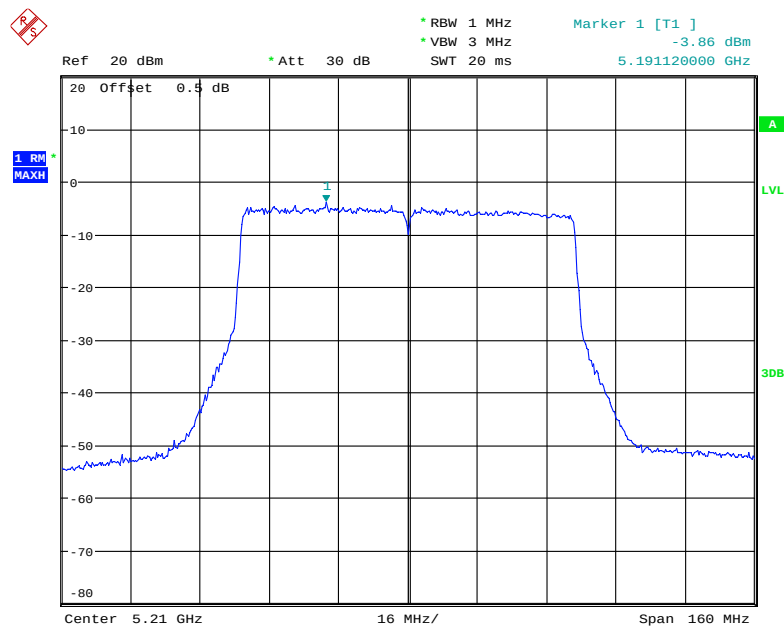
Date: 28.OCT.2017 16:01:10

Chain 0, 802.11n ac40 High Channel



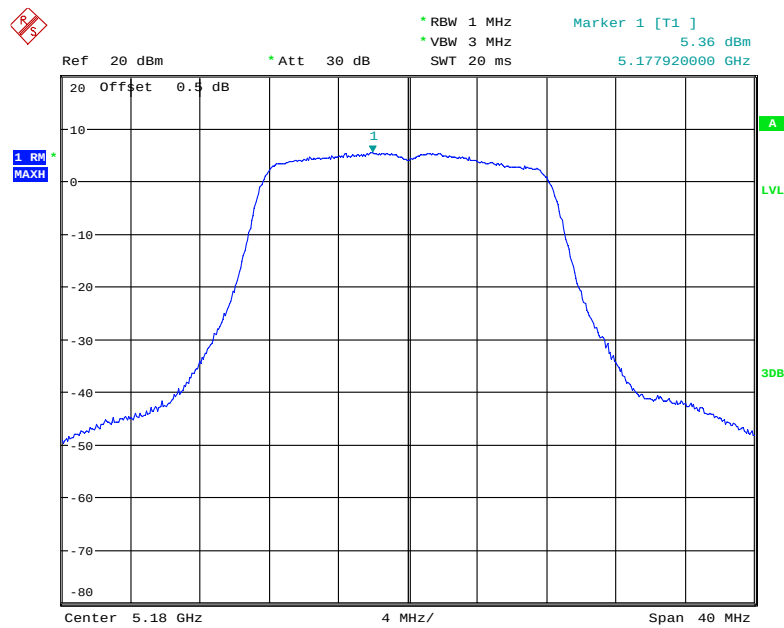
Date: 6.NOV.2017 11:47:56

Chain 0, 802.11ac80 Middle Channel



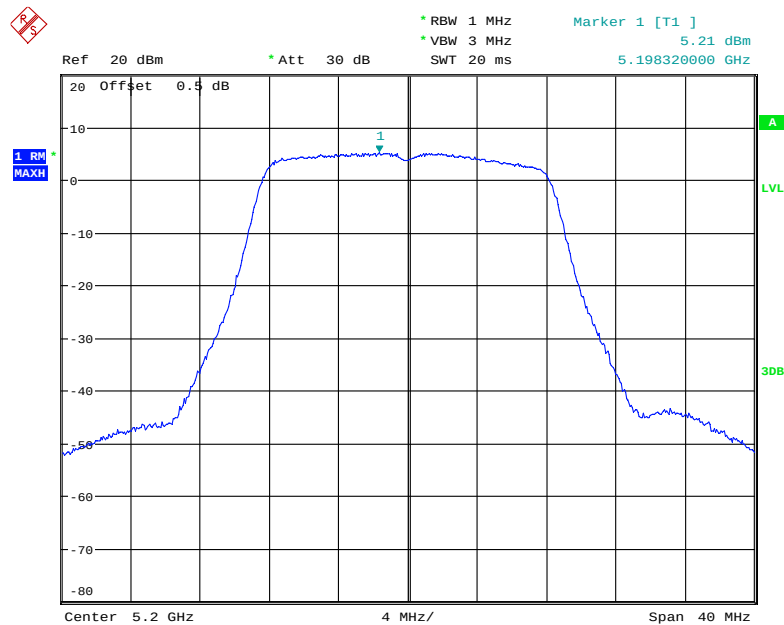
Date: 28.OCT.2017 16:34:00

Chain 1, 802.11a Low Channel



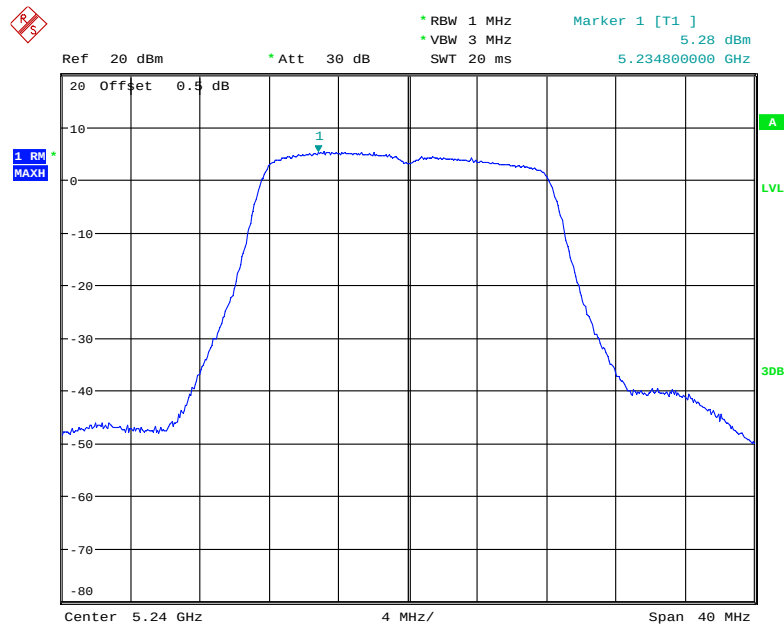
Date: 28.OCT.2017 11:54:29

Chain 1, 802.11a Middle Channel



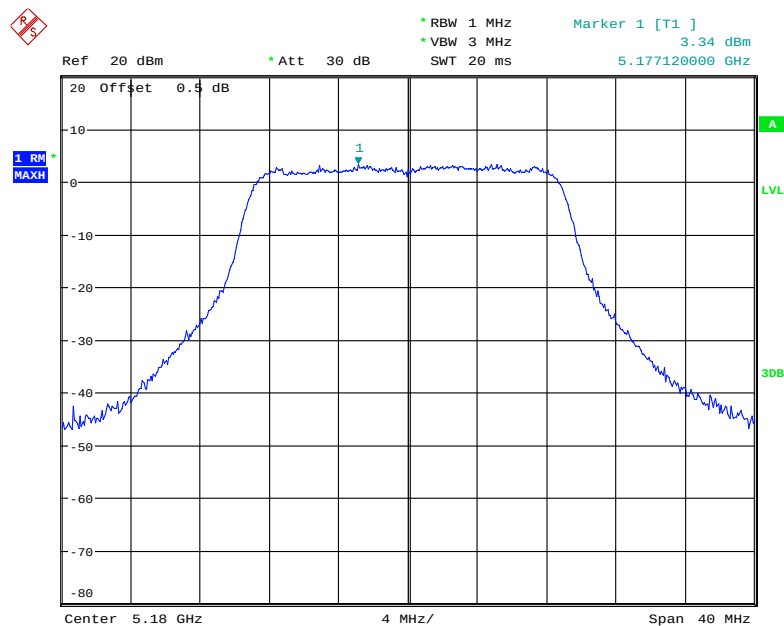
Date: 28.OCT.2017 11:53:15

Chain 1, 802.11a High Channel



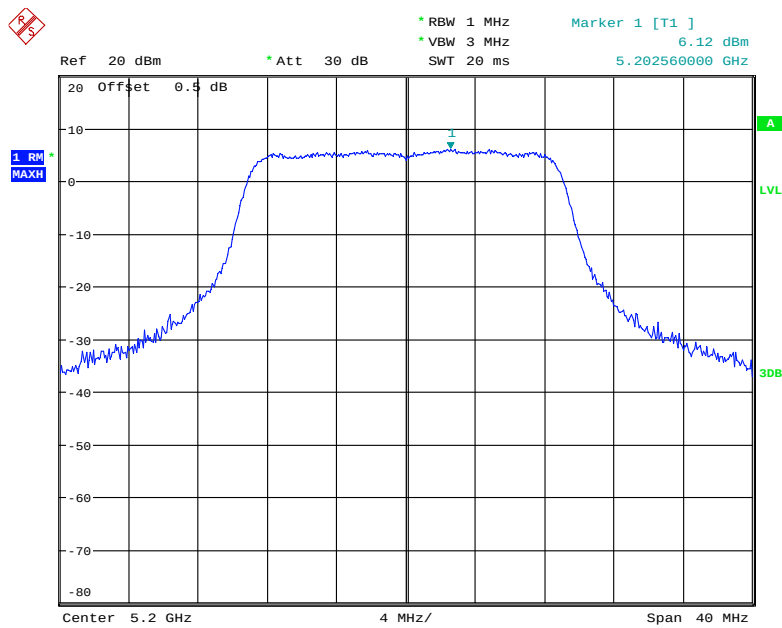
Date: 28.OCT.2017 11:51:59

Chain 1, 802.11n ht20 Low Channel



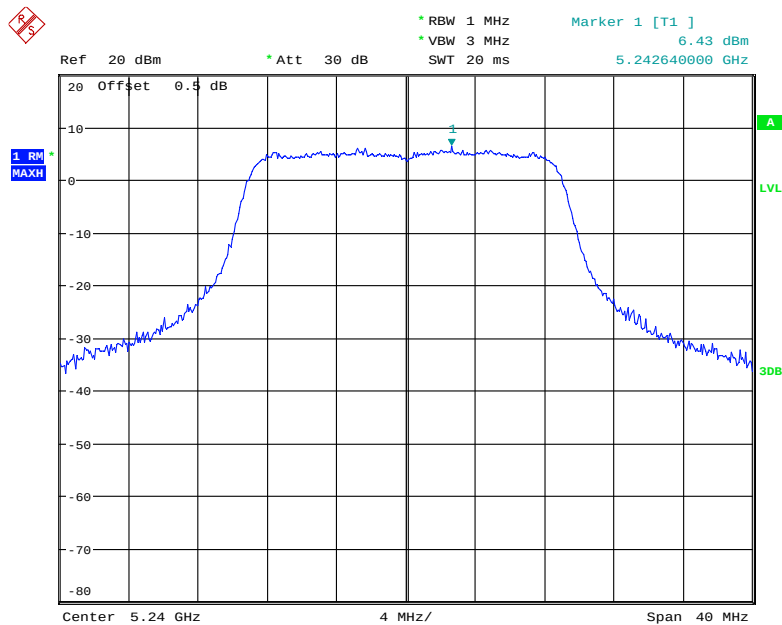
Date: 28.OCT.2017 13:40:25

Chain 1, 802.11n ht20 Middle Channel



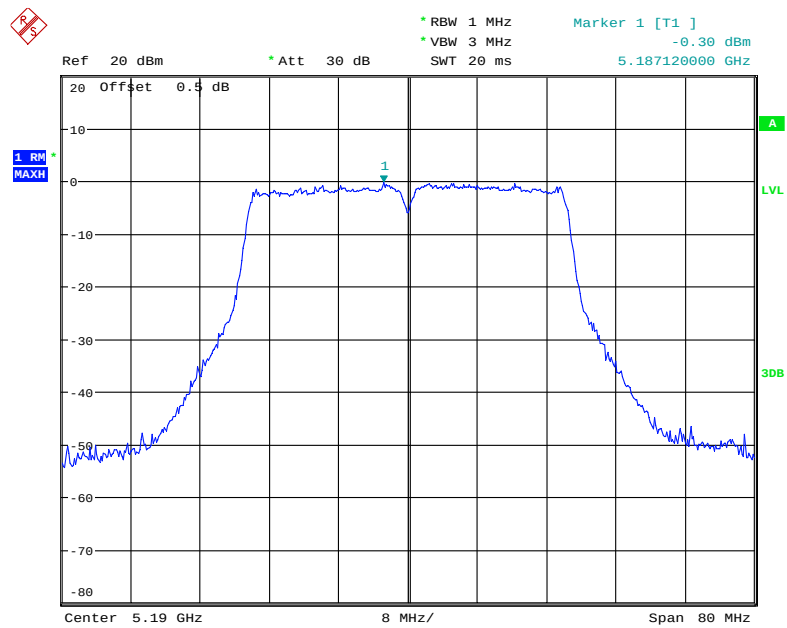
Date: 28.OCT.2017 13:48:16

Chain 1, 802.11n ht20 High Channel



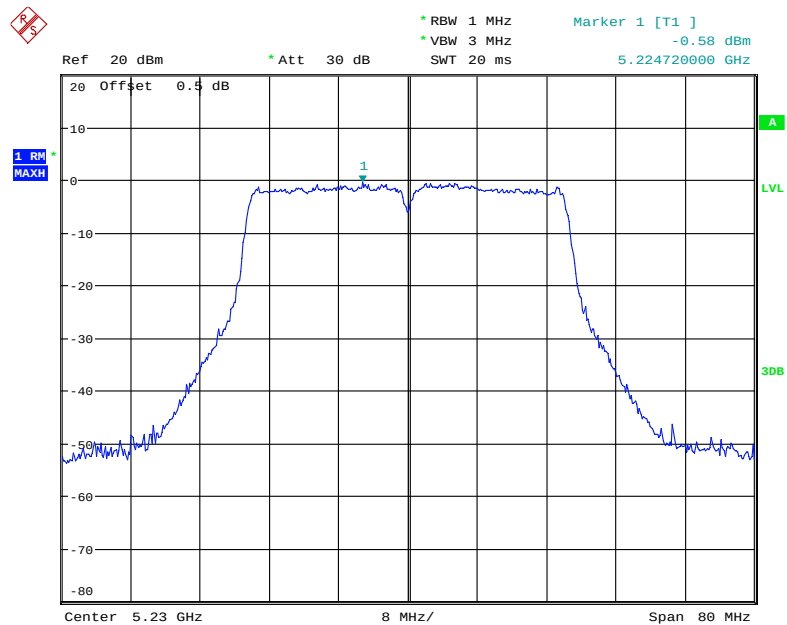
Date: 28.OCT.2017 13:46:42

Chain 1, 802.11n ht40 Low Channel



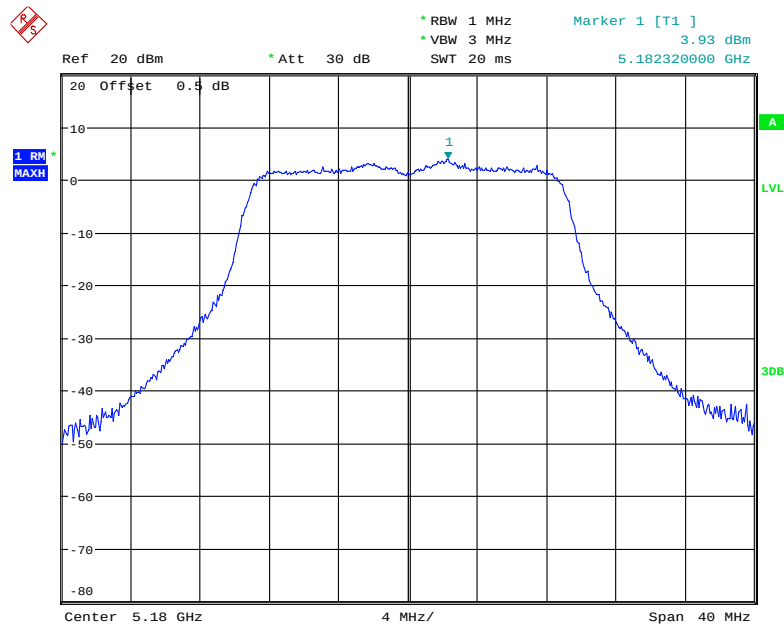
Date: 28.OCT.2017 15:15:26

Chain 1, 802.11n ht40 High Channel



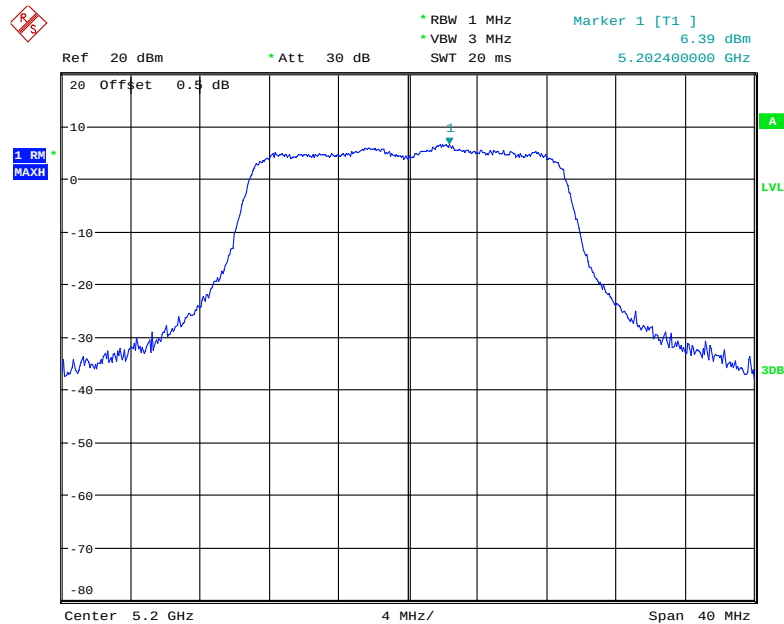
Date: 28.OCT.2017 15:34:51

Chain 1, 802.11n ac20 Low Channel



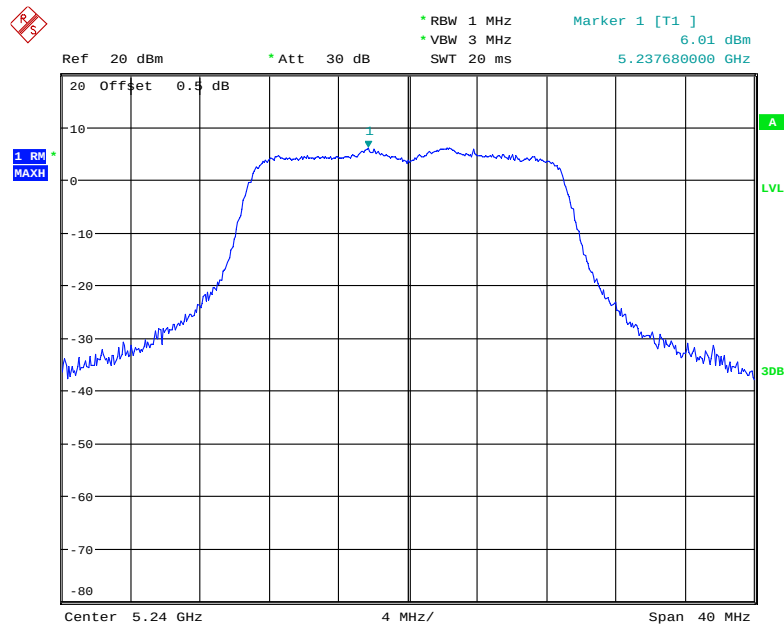
Date: 28.OCT.2017 14:27:18

Chain 1, 802.11n ac20 Middle Channel



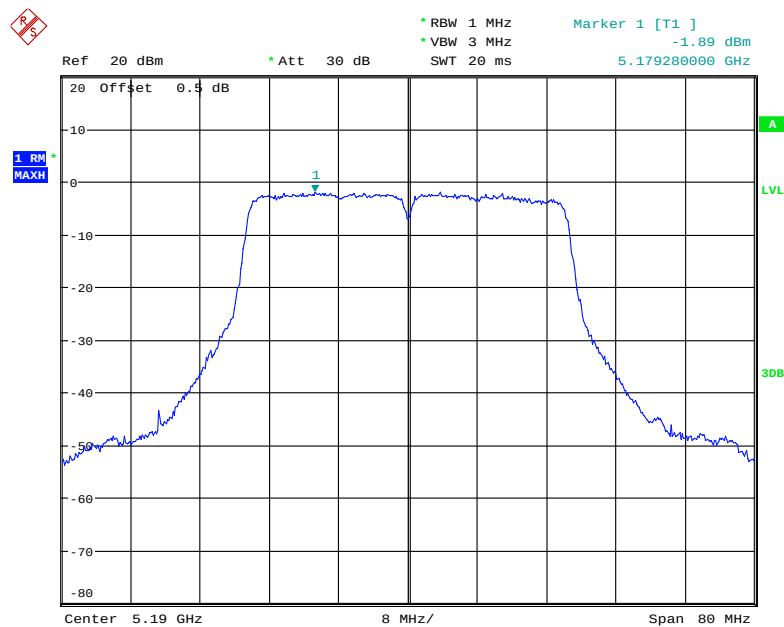
Date: 28.OCT.2017 14:54:30

Chain 1, 802.11n ac20 High Channel



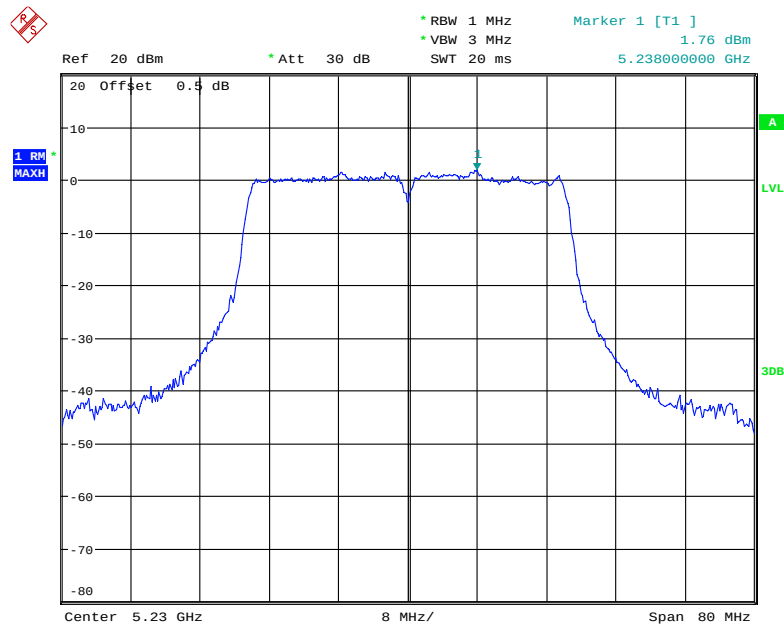
Date: 28.OCT.2017 14:48:17

Chain 1, 802.11n ac40 Low Channel



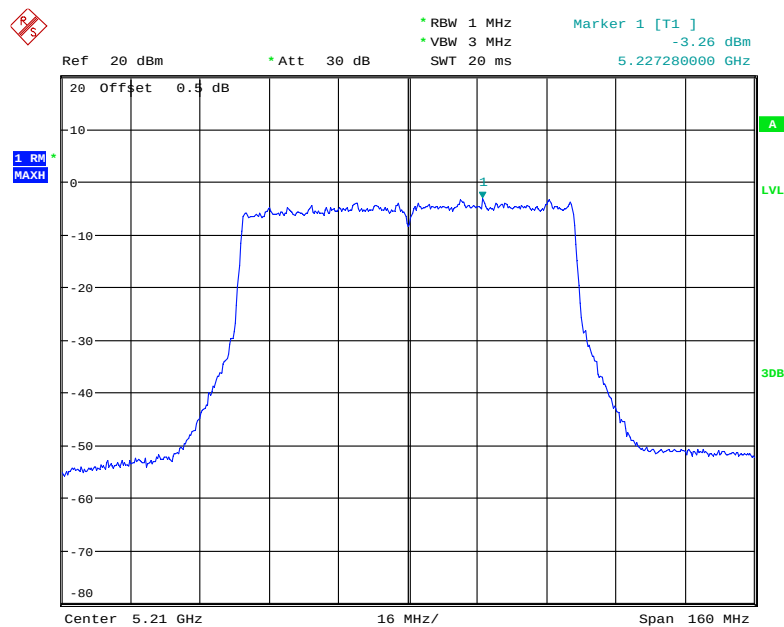
Date: 6.NOV.2017 11:59:21

Chain 1, 802.11n ac40 High Channel



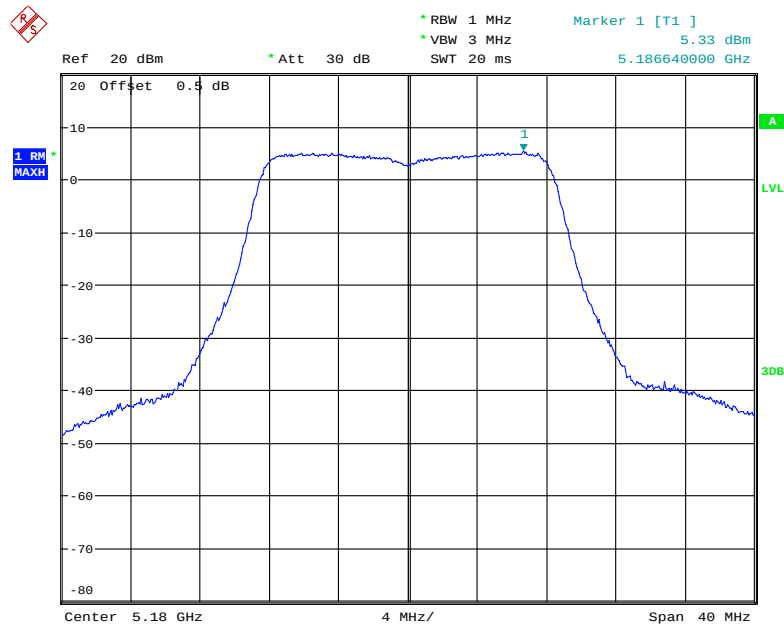
Date: 28.OCT.2017 15:51:01

Chain 1, 802.11ac80 Middle Channel



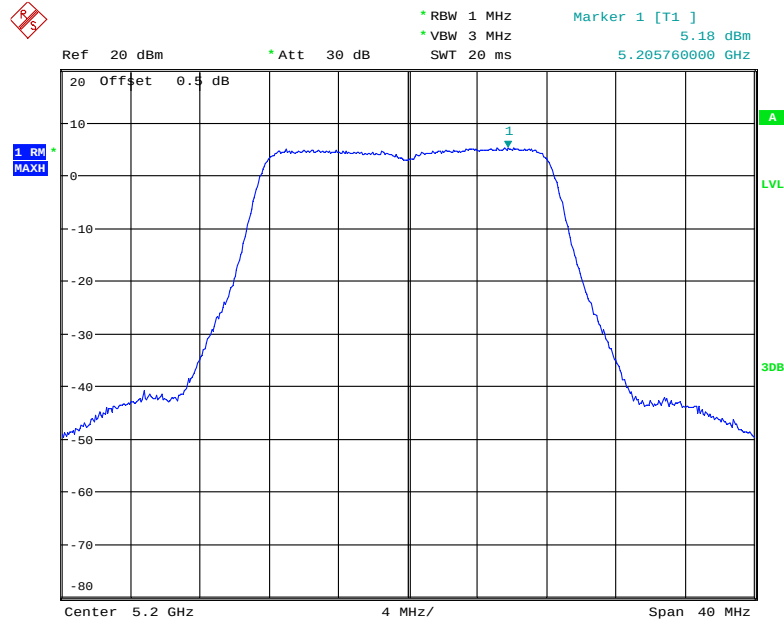
Date: 28.OCT.2017 16:32:09

Chain 2, 802.11a Low Channel



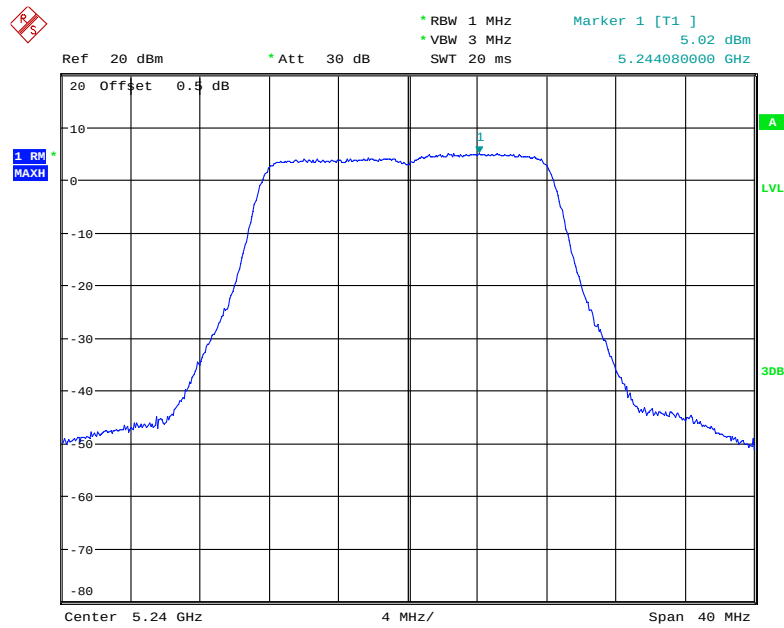
Date: 28.OCT.2017 13:16:59

Chain 2, 802.11a Middle Channel



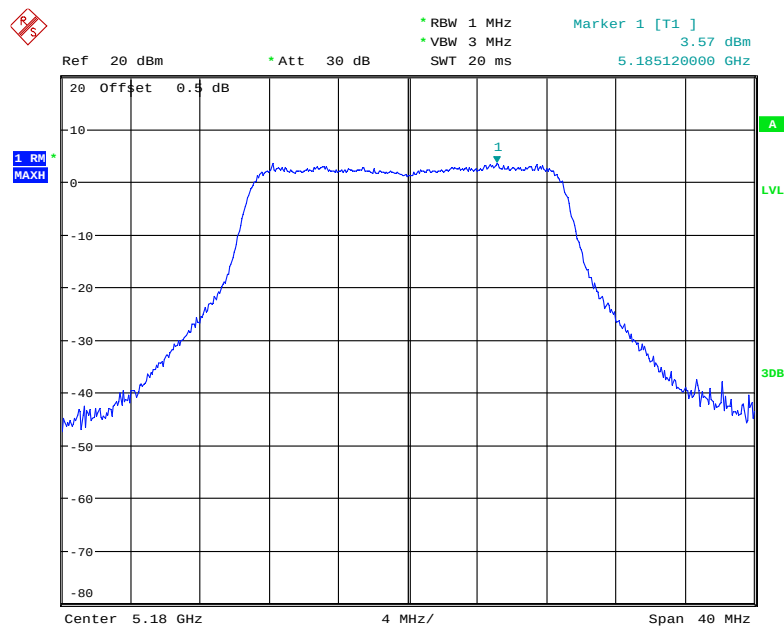
Date: 28.OCT.2017 13:18:54

Chain 2, 802.11a High Channel



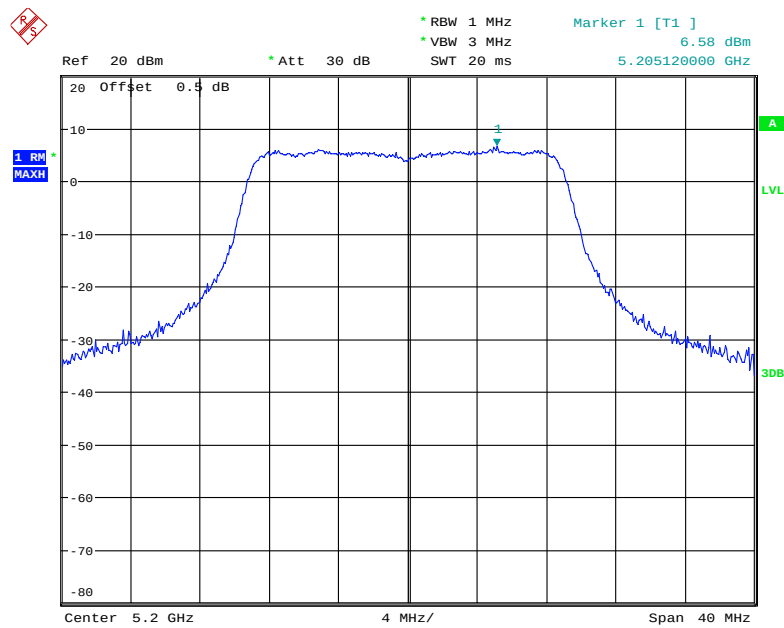
Date: 28.OCT.2017 13:25:02

Chain 2, 802.11n ht20 Low Channel



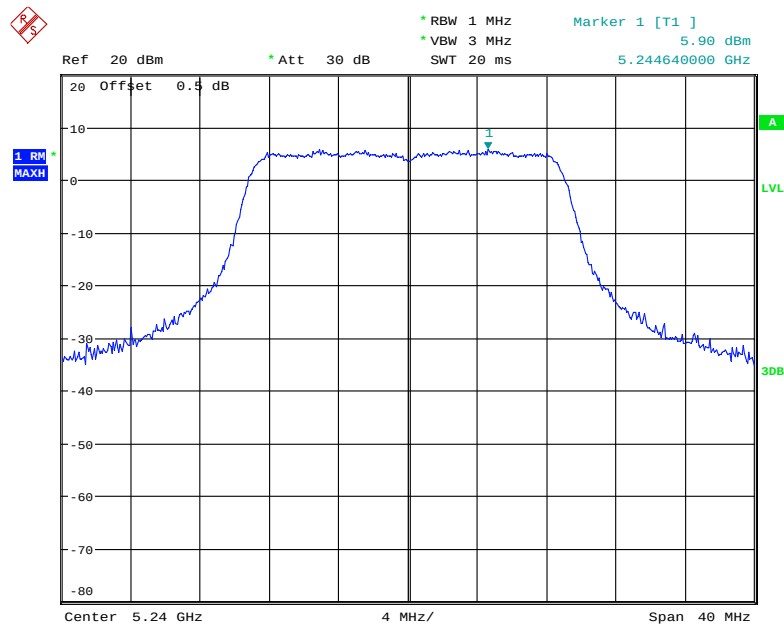
Date: 28.OCT.2017 13:39:01

Chain 2, 802.11n ht20 Middle Channel



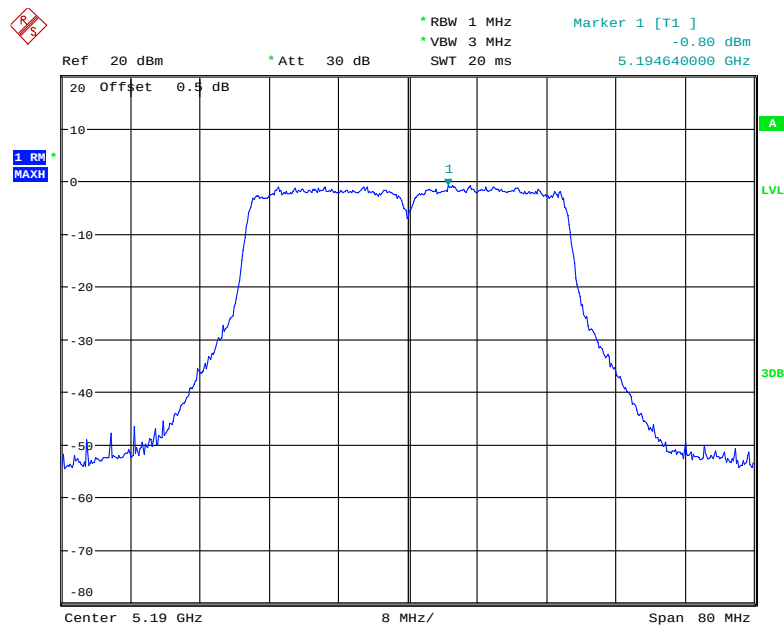
Date: 28.OCT.2017 13:49:31

Chain 2, 802.11n ht20 High Channel



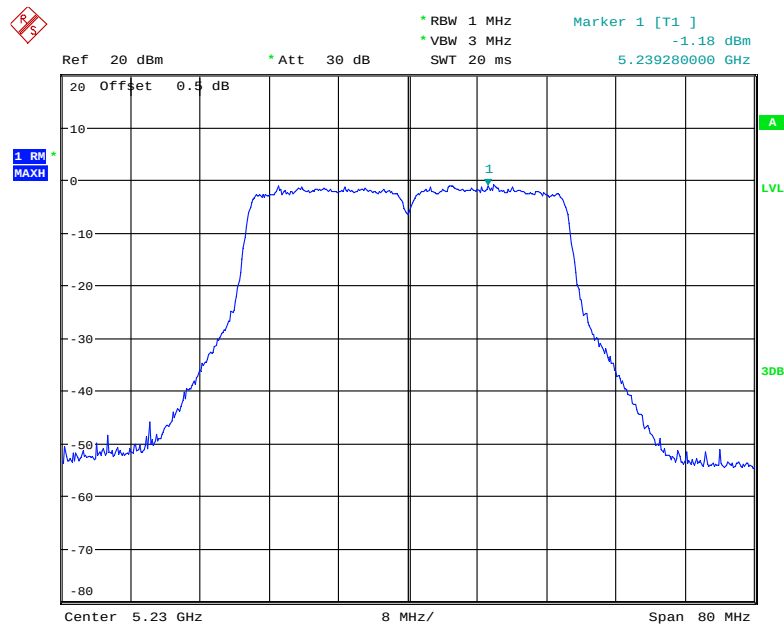
Date: 28.OCT.2017 13:50:46

Chain 2, 802.11n ht40 Low Channel



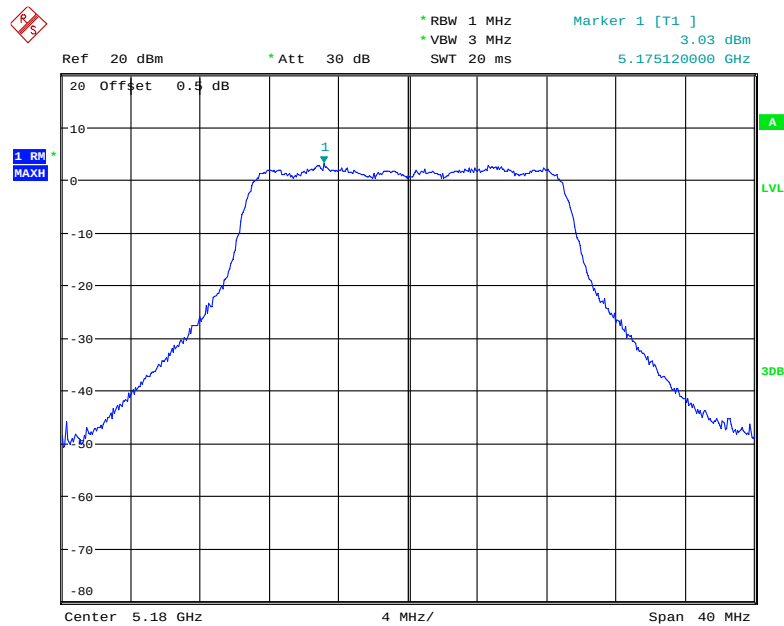
Date: 28.OCT.2017 15:16:56

Chain 2, 802.11n ht40 High Channel



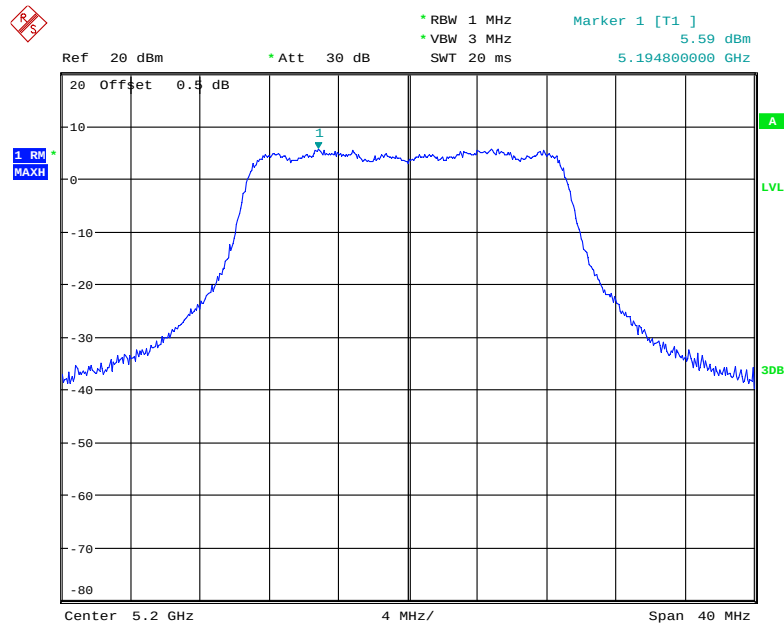
Date: 28.OCT.2017 15:32:58

Chain 2, 802.11n ac20 Low Channel



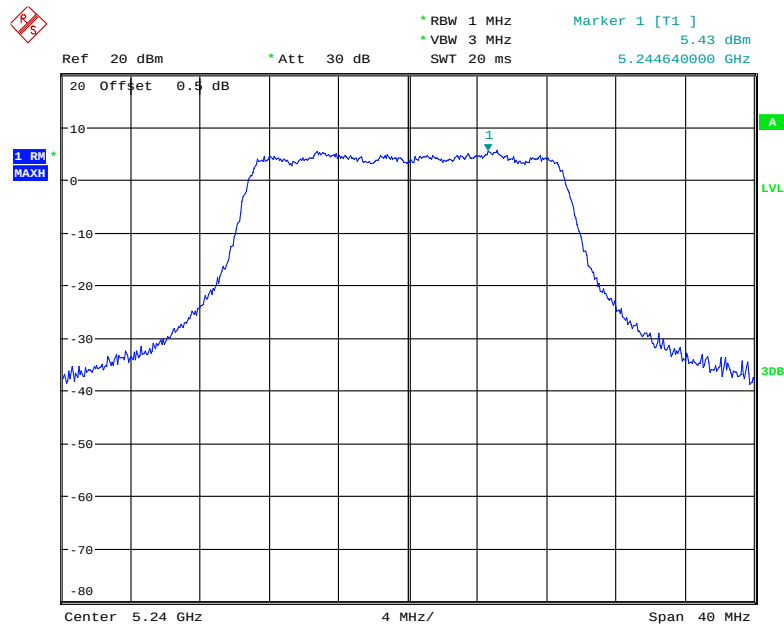
Date: 28.OCT.2017 14:28:50

Chain 2, 802.11n ac20 Middle Channel



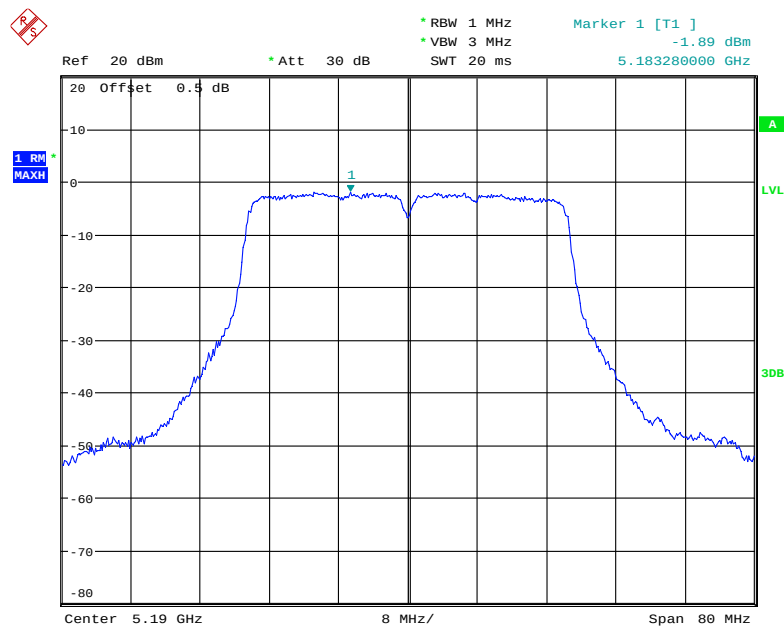
Date: 28.OCT.2017 14:57:03

Chain 2, 802.11n ac20 High Channel



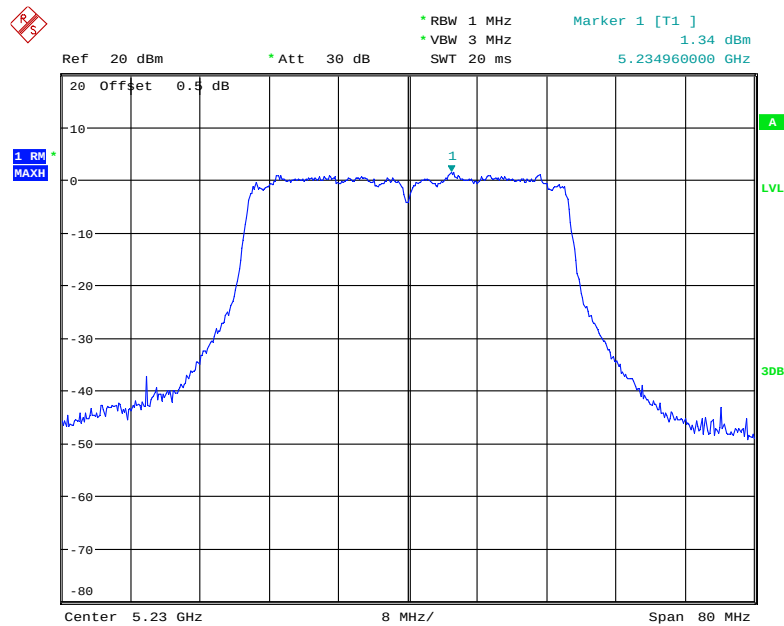
Date: 28.OCT.2017 14:46:56

Chain 2, 802.11n ac40 Low Channel



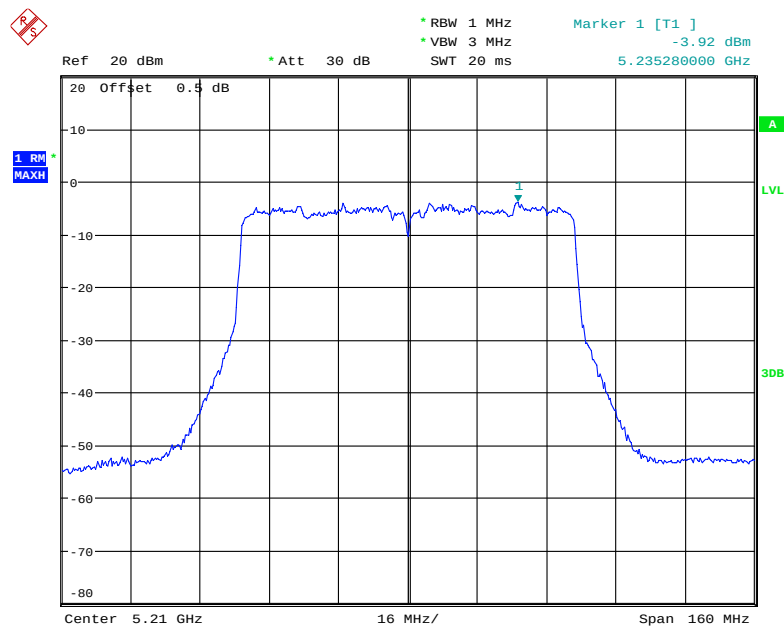
Date: 28.OCT.2017 15:56:17

Chain 2, 802.11n ac40 High Channel



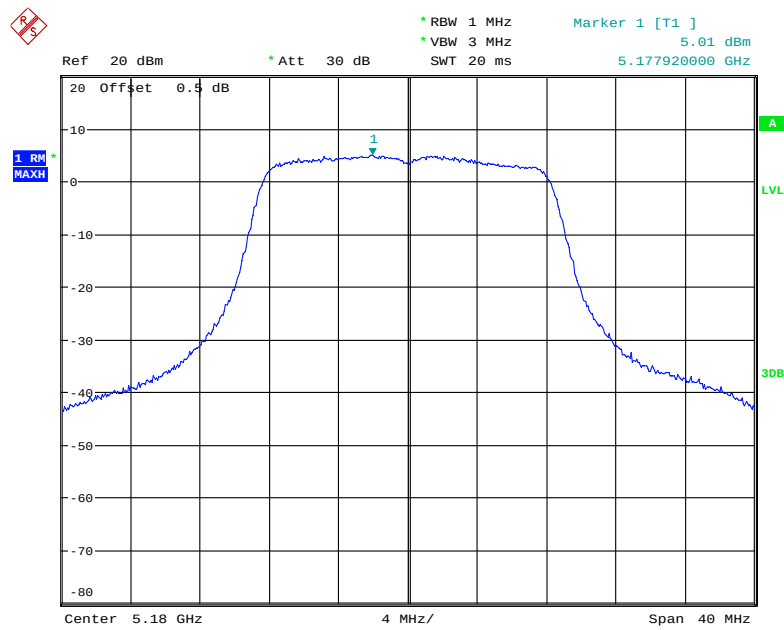
Date: 28.OCT.2017 15:52:27

Chain 2, 802.11ac80 Middle Channel



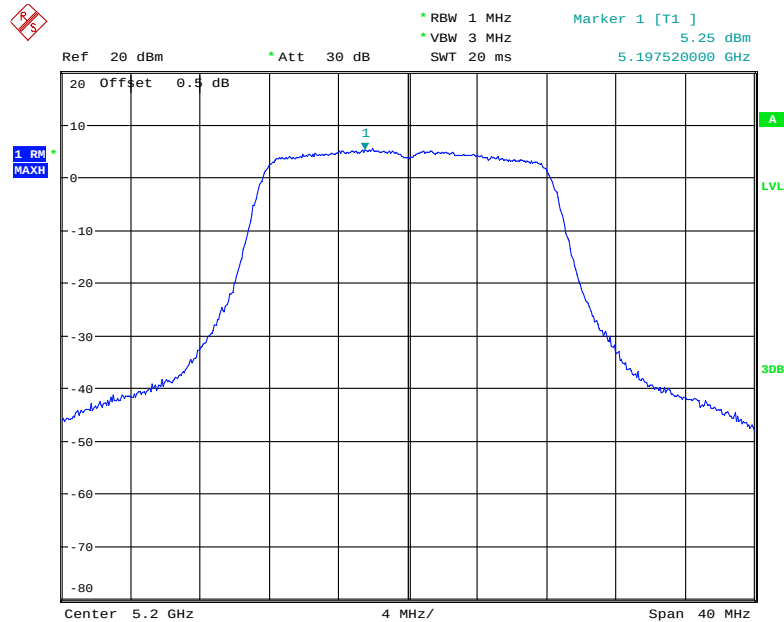
Date: 28.OCT.2017 16:30:03

Chain 3, 802.11a Low Channel



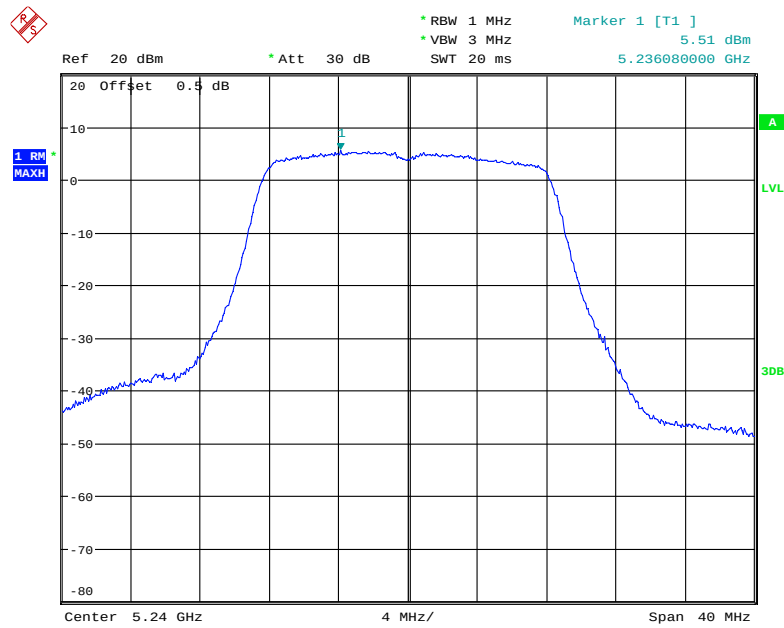
Date: 28.OCT.2017 13:15:34

Chain 3, 802.11a Middle Channel



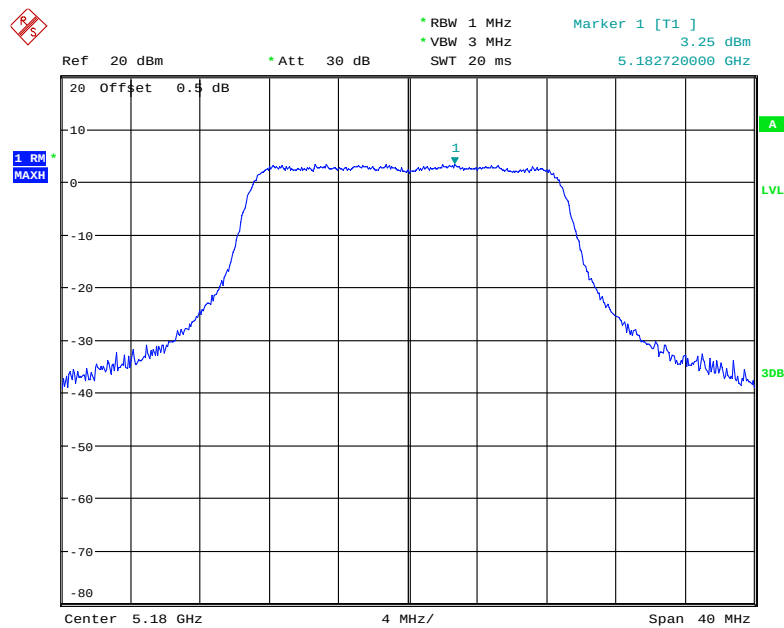
Date: 28.OCT.2017 13:19:57

Chain 3, 802.11a High Channel



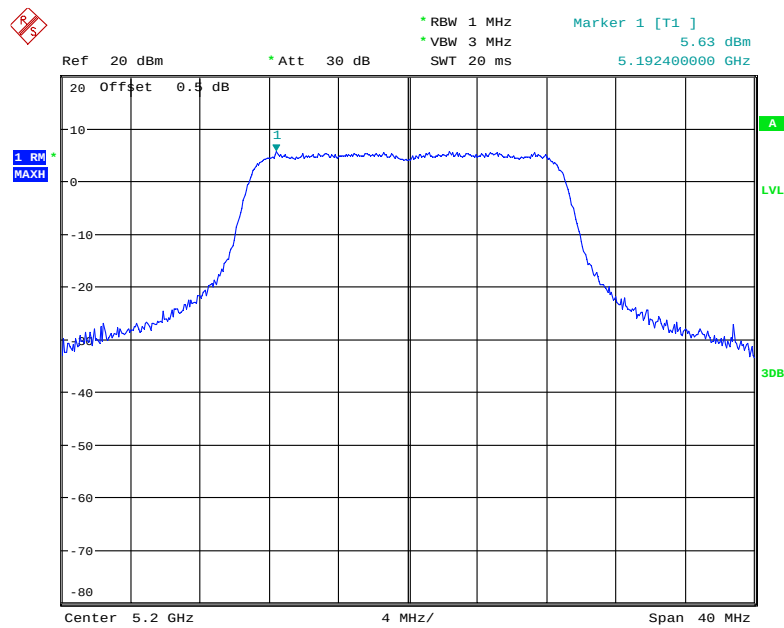
Date: 28.OCT.2017 13:23:33

Chain 3, 802.11n ht20 Low Channel



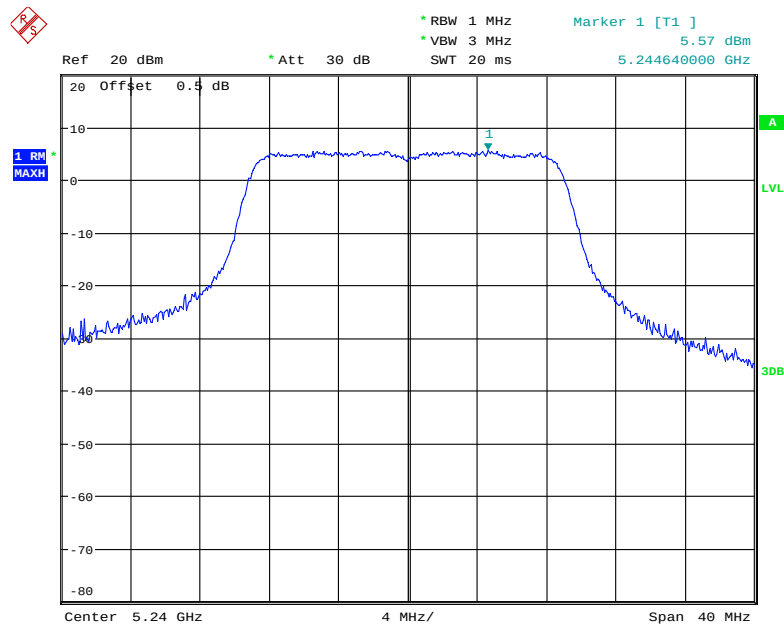
Date: 6.NOV.2017 11:23:44

Chain 3, 802.11n ht20 Middle Channel



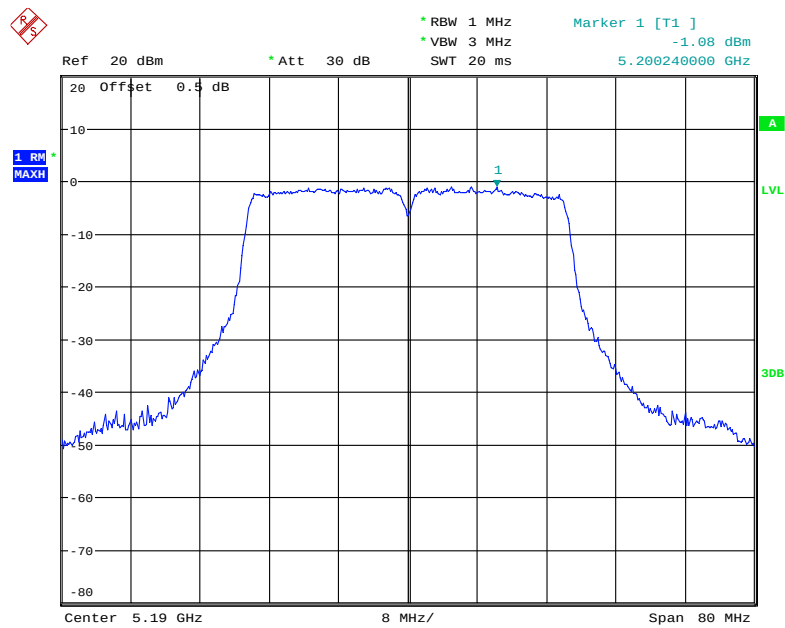
Date: 28.OCT.2017 13:53:49

Chain 3, 802.11n ht20 High Channel



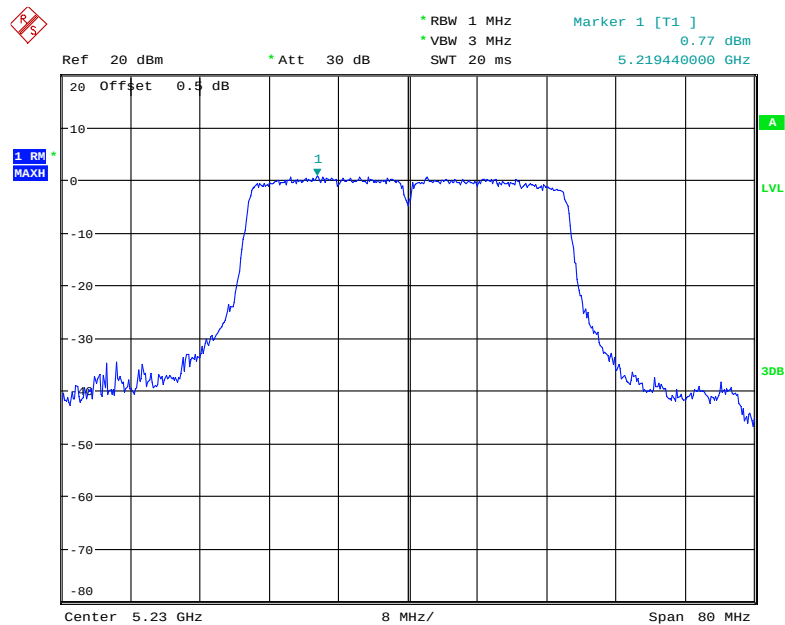
Date: 28.OCT.2017 13:52:25

Chain 3, 802.11n ht40 Low Channel



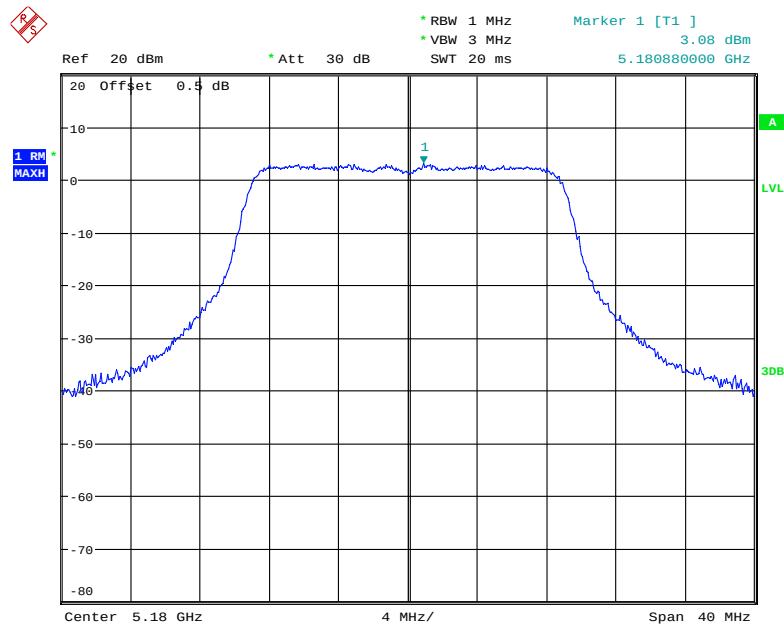
Date: 28.OCT.2017 15:18:21

Chain 3, 802.11n ht40 High Channel



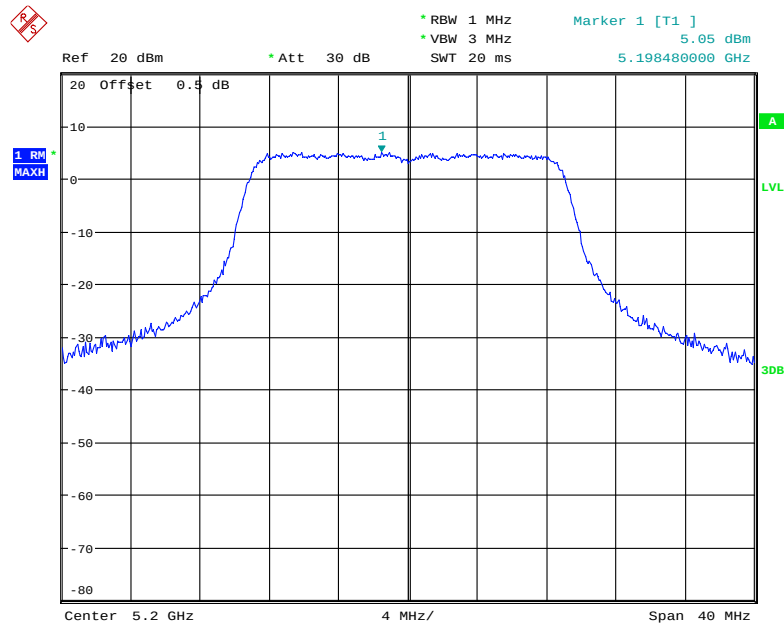
Date: 6.NOV.2017 11:39:37

Chain 3, 802.11n ac20 Low Channel



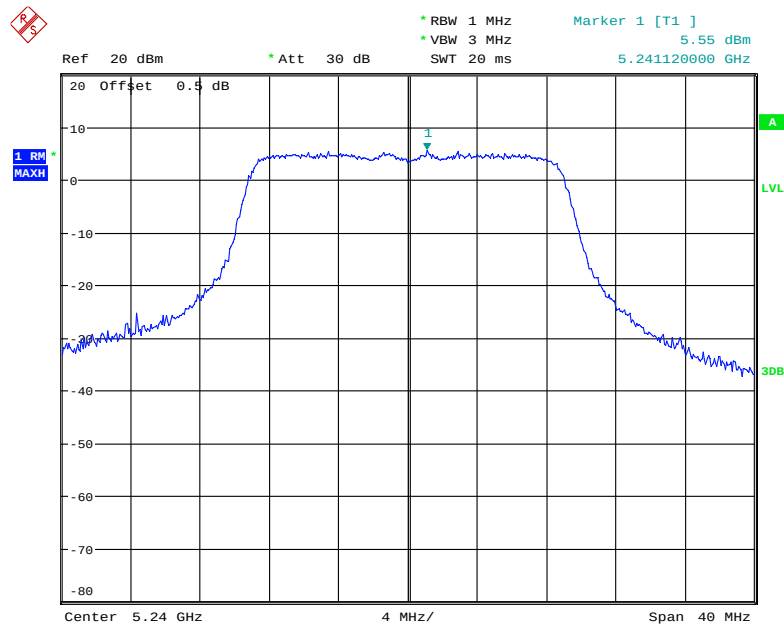
Date: 6.NOV.2017 11:43:51

Chain 3, 802.11n ac20 Middle Channel



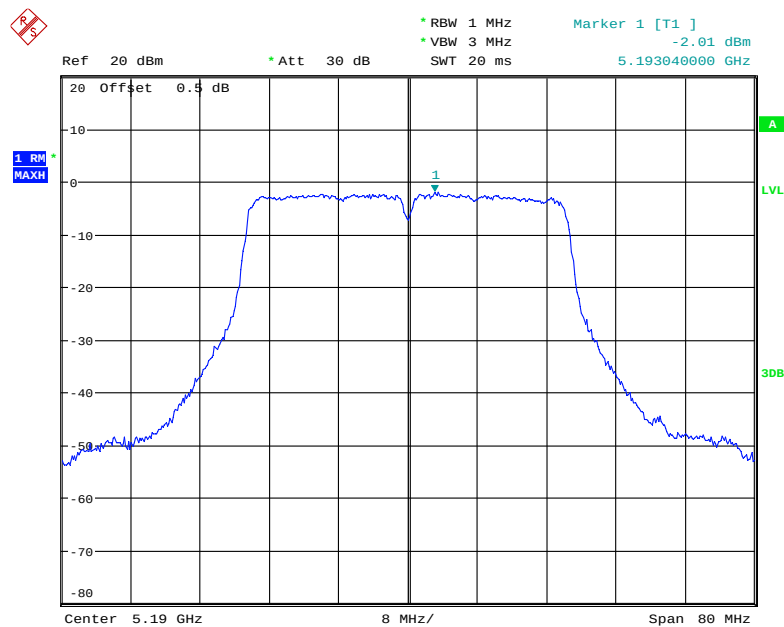
Date: 28.OCT.2017 14:32:07

Chain 3, 802.11n ac20 High Channel



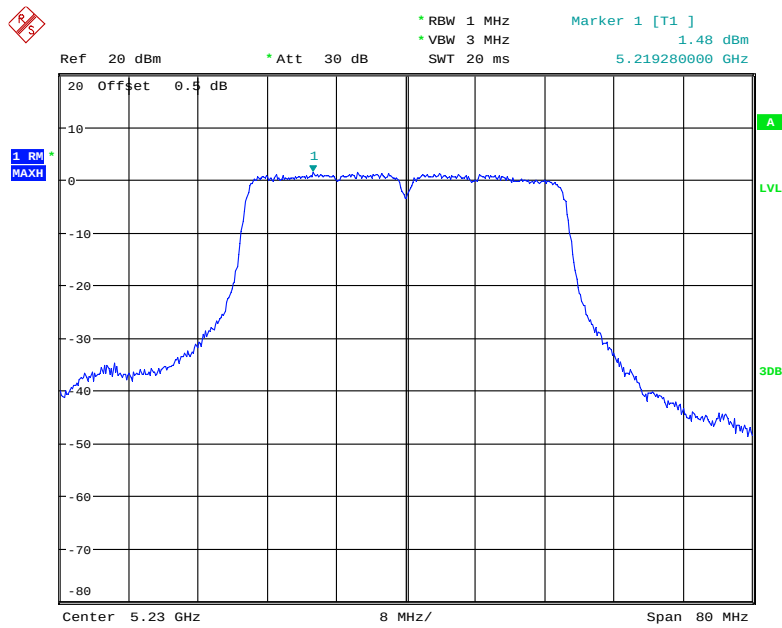
Date: 28.OCT.2017 14:33:21

Chain 3, 802.11n ac40 Low Channel



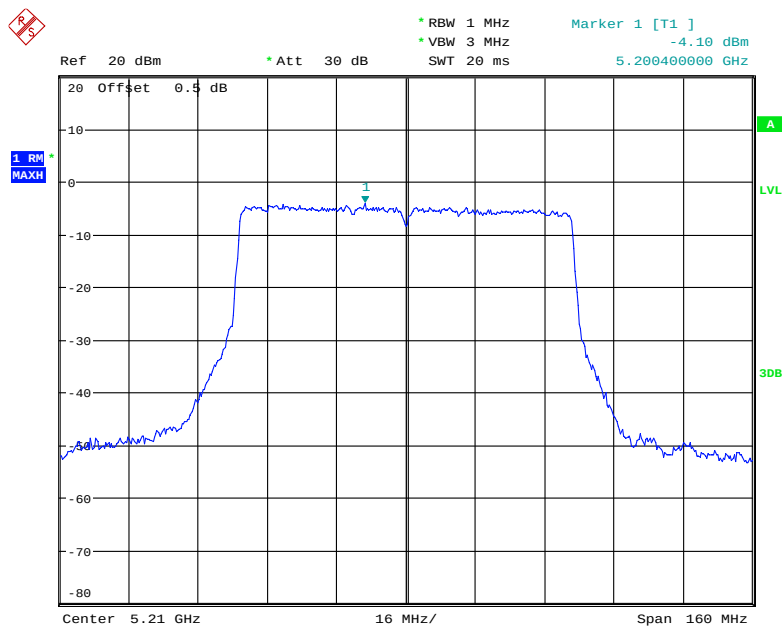
Date: 28.OCT.2017 15:58:06

Chain 3, 802.11n ac40 High Channel



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

Chain 3, 802.11ac80 Middle Channel



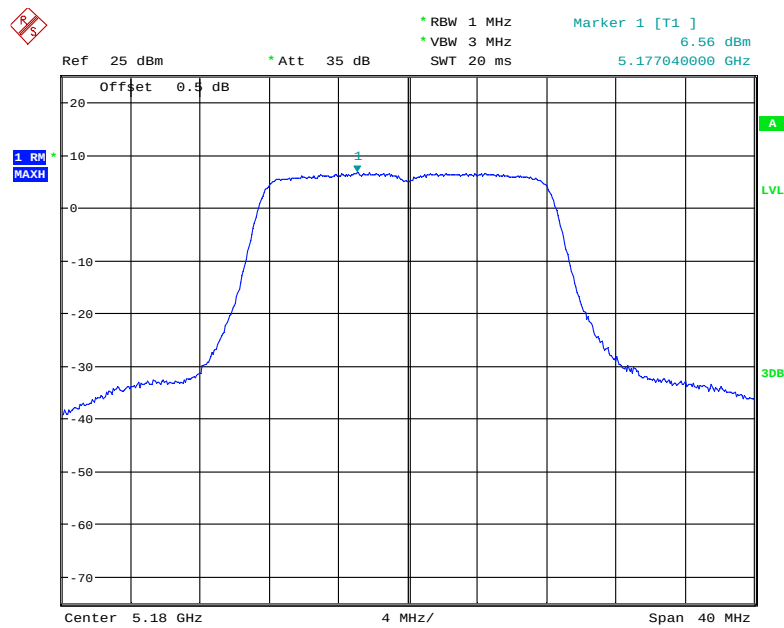
Date: 28.OCT.2017 16:28:29

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:

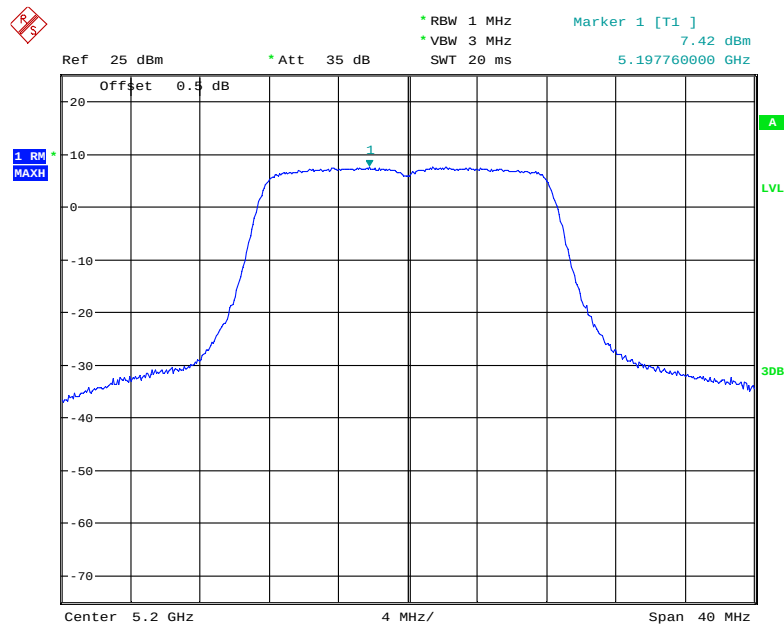
UNII Band	Mode	Frequency (MHz)	Power Spectral Density (dBm/MHz)					Limits
			Chain 0	Chain 1	Chain 2	Chain 3	Total	
5150-5250 MHz	802.11 a	5180	6.56	6.73	7.07	6.69	12.79	17
		5200	7.42	7.93	7.62	7.54	13.65	
		5240	7.75	8.18	7.9	7.72	13.91	
	802.11 ht20	5180	6.35	6.52	6.5	6.4	12.46	
		5200	7.11	7.63	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



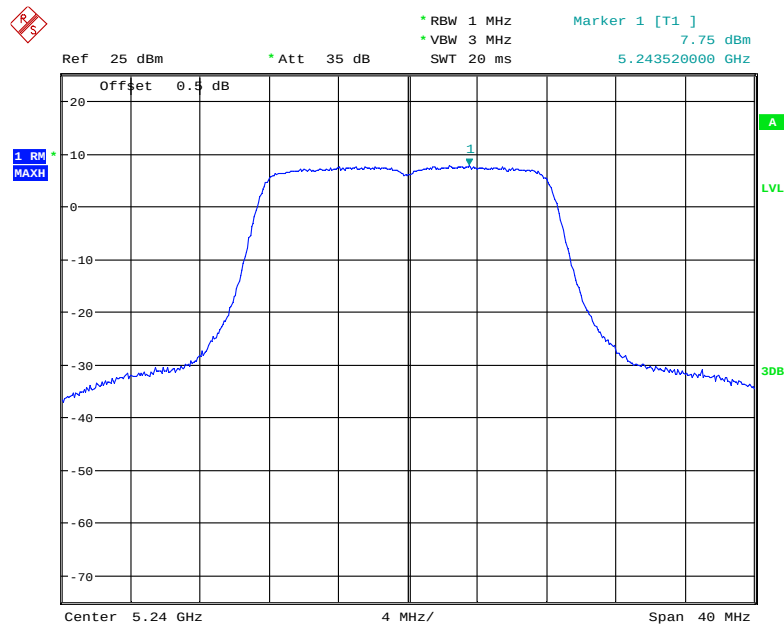
Date: 2.NOV.2017 00:18:09

Chain 0, 802.11a Middle Channel



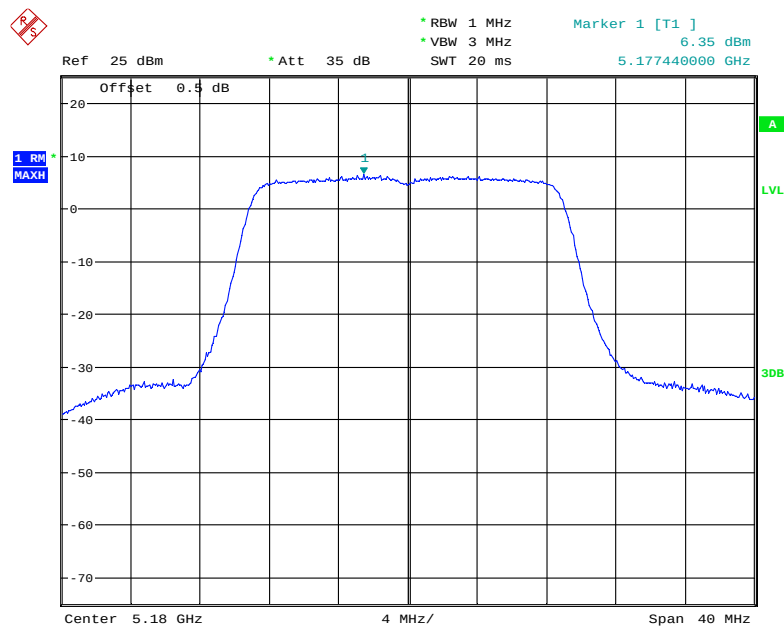
Date: 2.NOV.2017 00:29:19

Chain 0, 802.11a High Channel



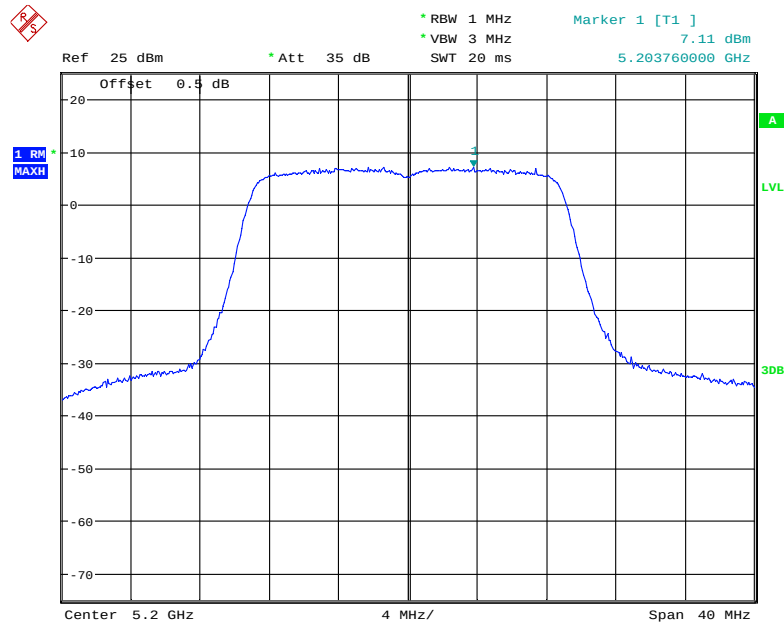
Date: 2.NOV.2017 00:28:31

Chain 0, 802.11n ht20 Low Channel



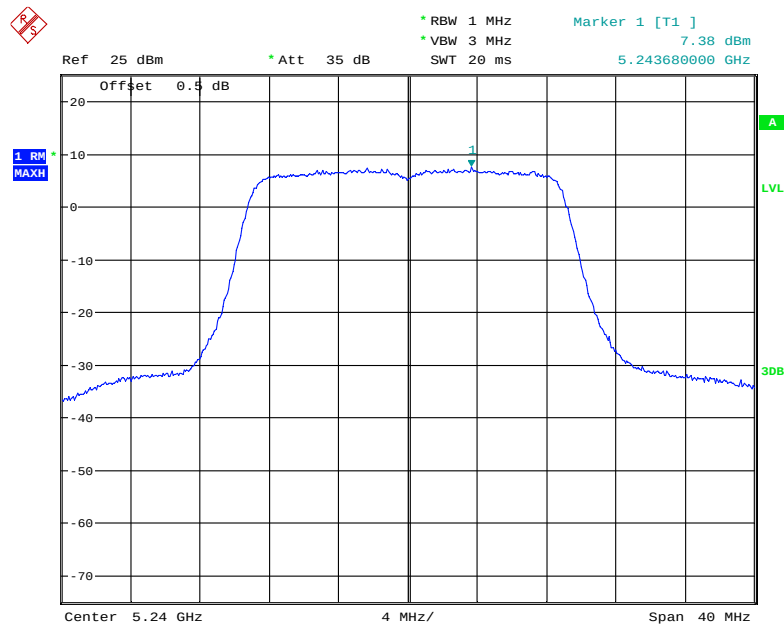
Date: 2.NOV.2017 18:59:02

Chain 0, 802.11n ht20 Middle Channel



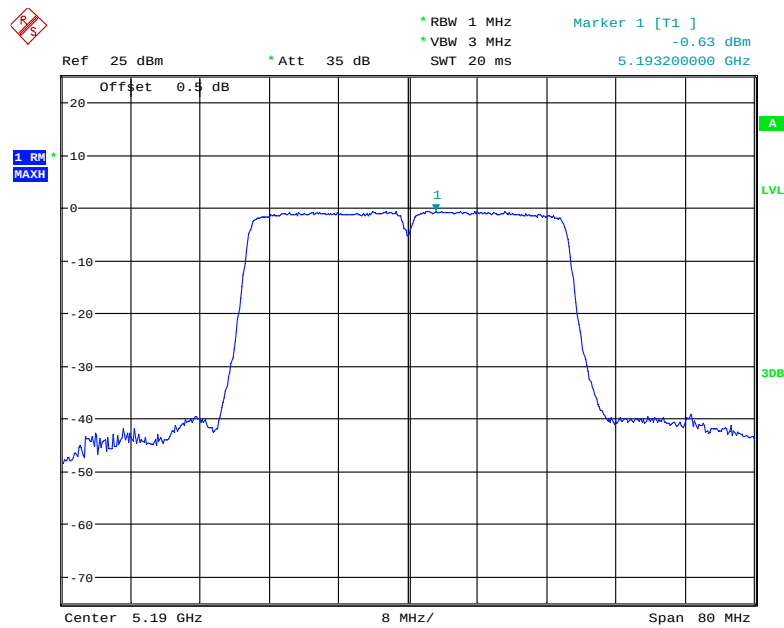
Date: 2.NOV.2017 18:40:48

Chain 0, 802.11n ht20 High Channel



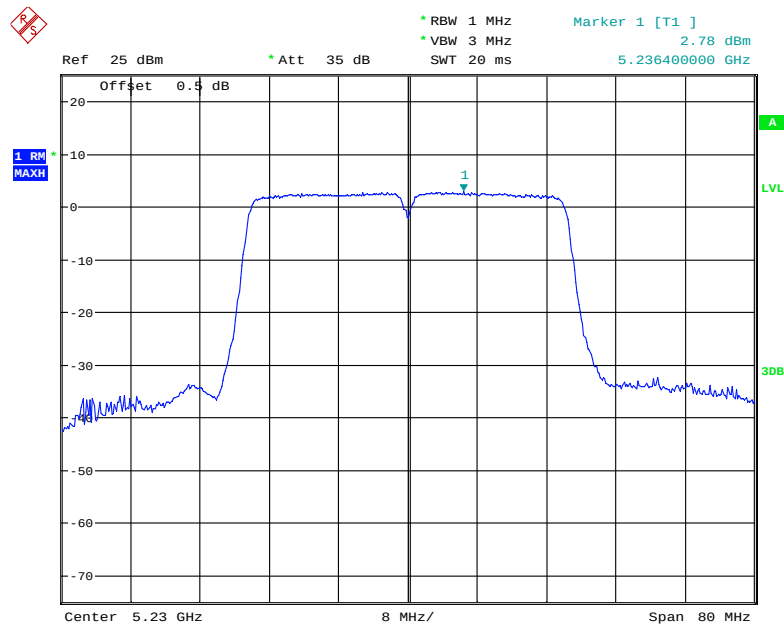
Date: 2.NOV.2017 18:39:52

Chain 0, 802.11n ht40 Low Channel



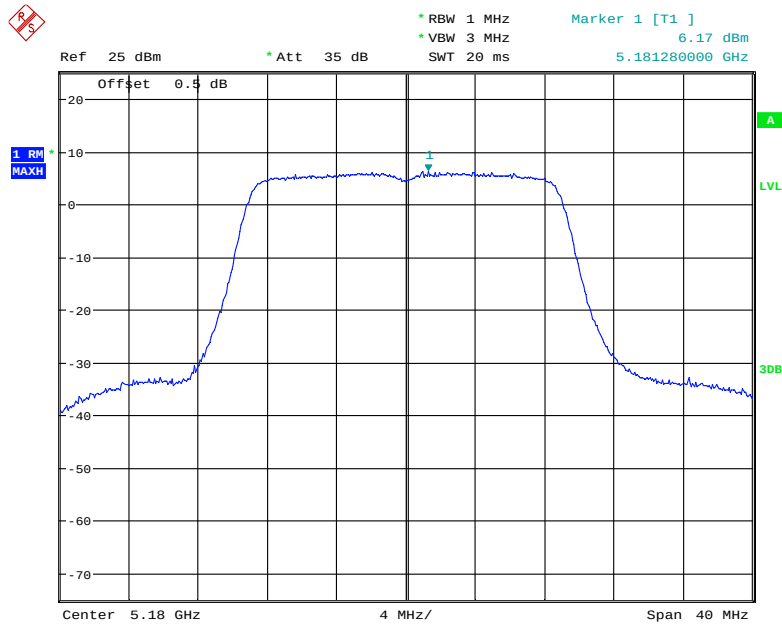
Date: 2.NOV.2017 20:33:39

Chain 0, 802.11n ht40 High Channel



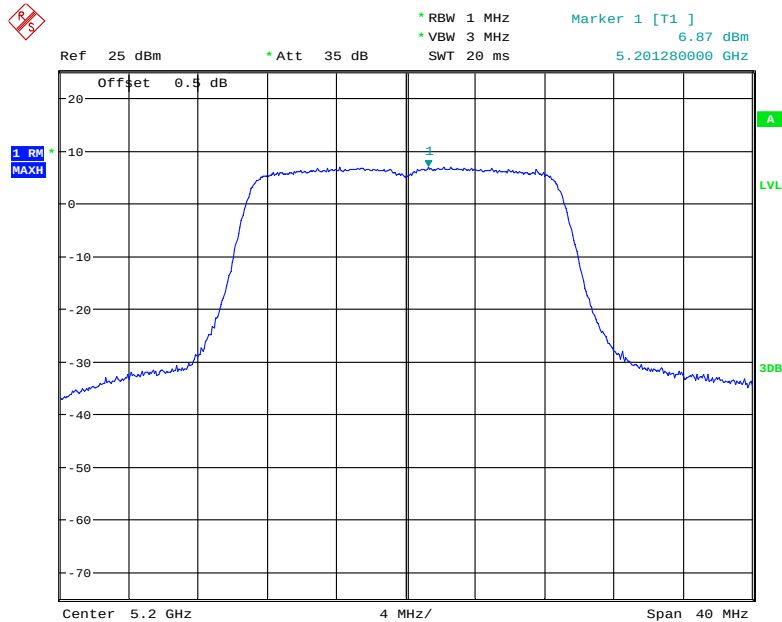
Date: 2.NOV.2017 20:34:54

Chain 0, 802.11n ac20 Low Channel



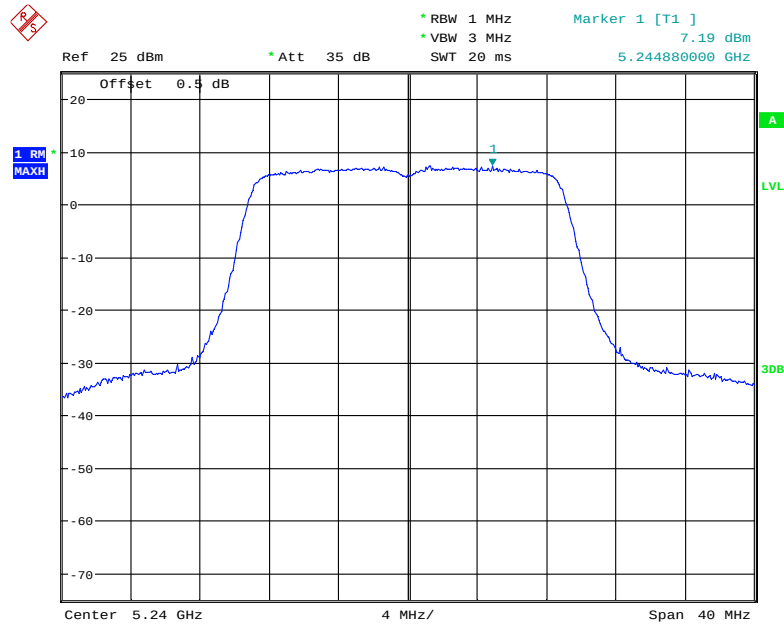
Date: 2.NOV.2017 19:40:24

Chain 0, 802.11n ac20 Middle Channel



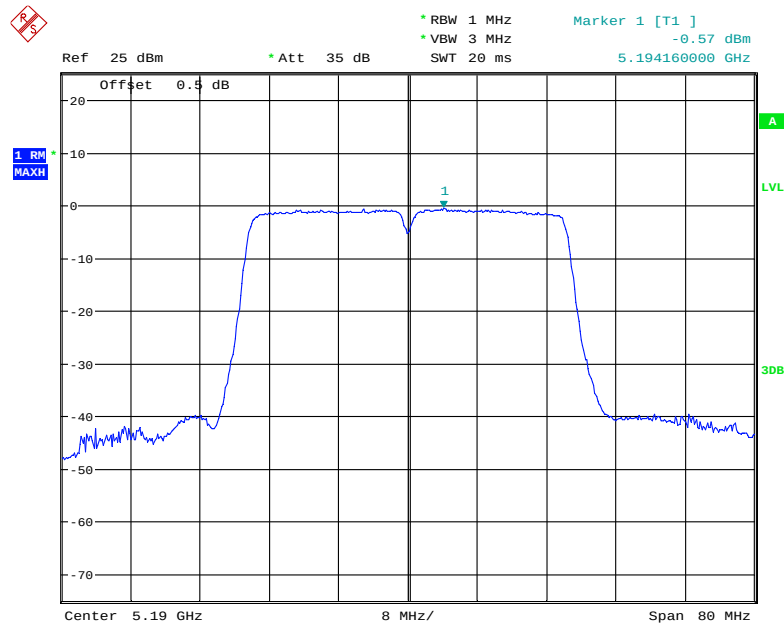
Date: 2.NOV.2017 19:50:19

Chain 0, 802.11n ac20 High Channel



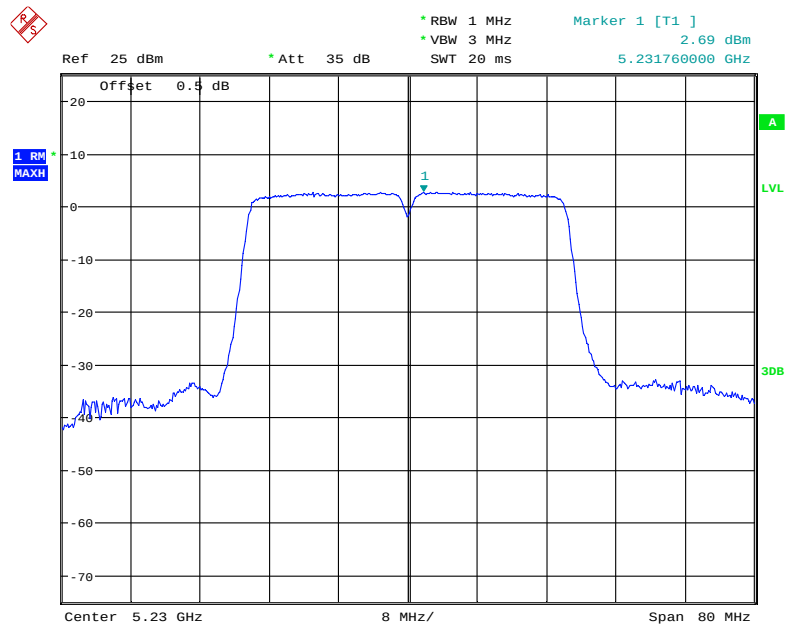
Date: 2.NOV.2017 19:49:20

Chain 0, 802.11n ac40 Low Channel



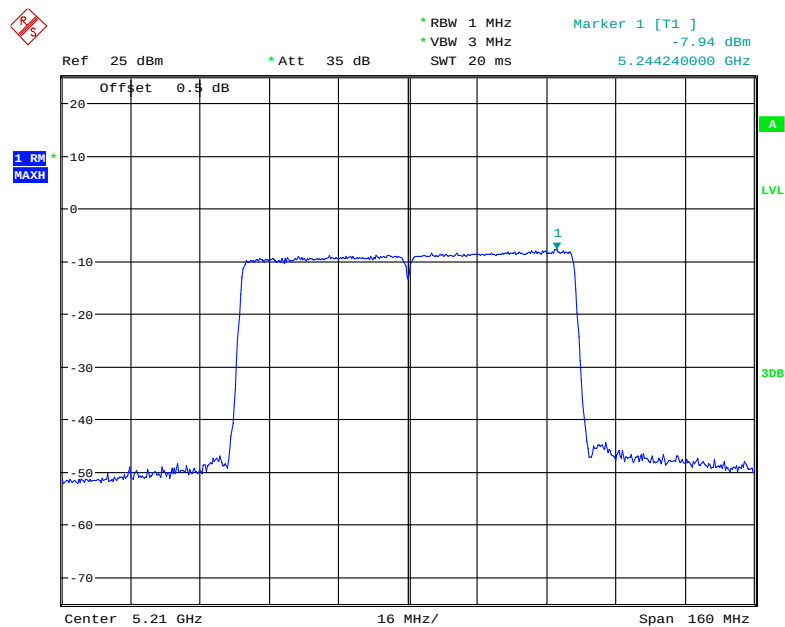
Date: 2.NOV.2017 22:25:13

Chain 0, 802.11n ac40 High Channel



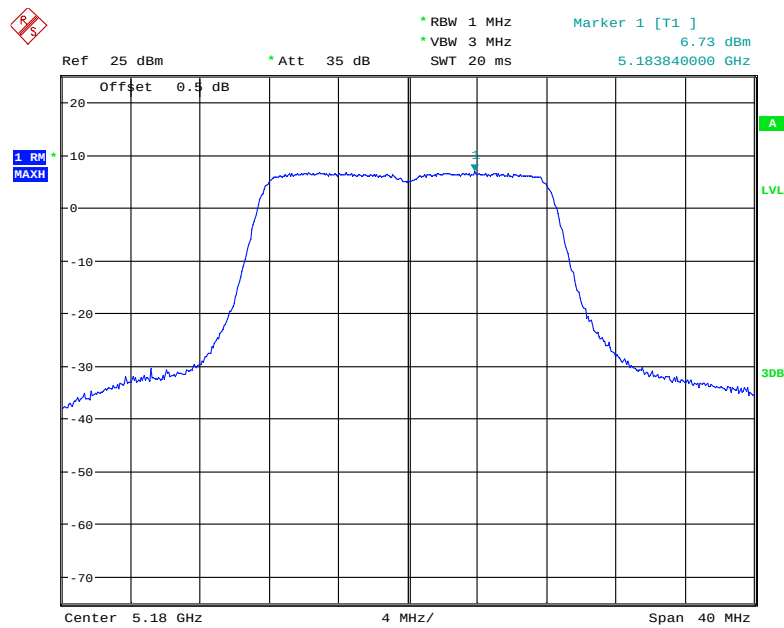
Date: 2.NOV.2017 22:14:36

Chain 0, 802.11ac80 Middle Channel



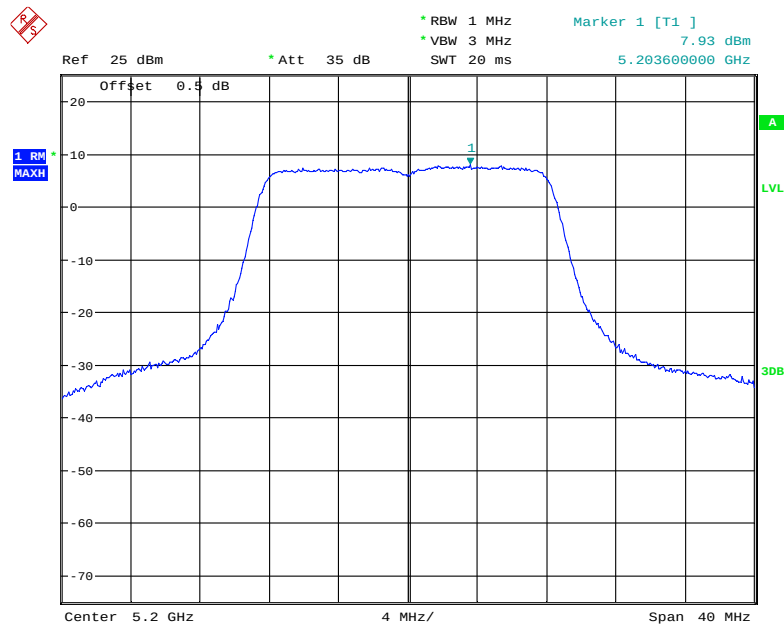
Date: 2.NOV.2017 22:37:02

Chain 1, 802.11a Low Channel



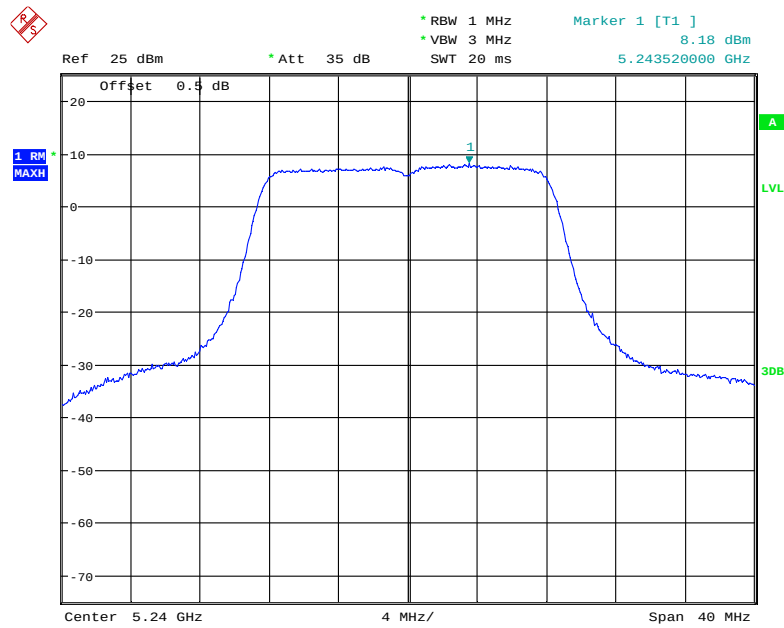
Date: 2.NOV.2017 00:19:28

Chain 1, 802.11a Middle Channel



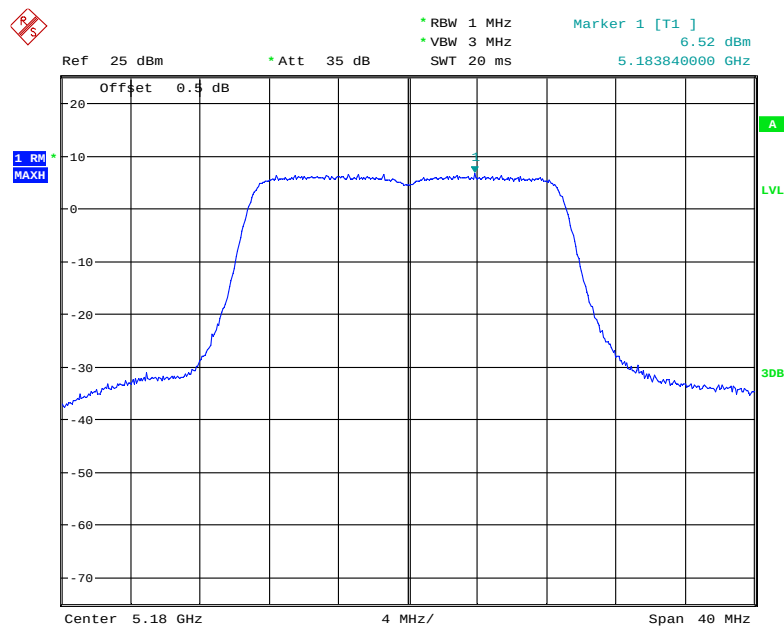
Date: 2.NOV.2017 00:26:38

Chain 1, 802.11a High Channel



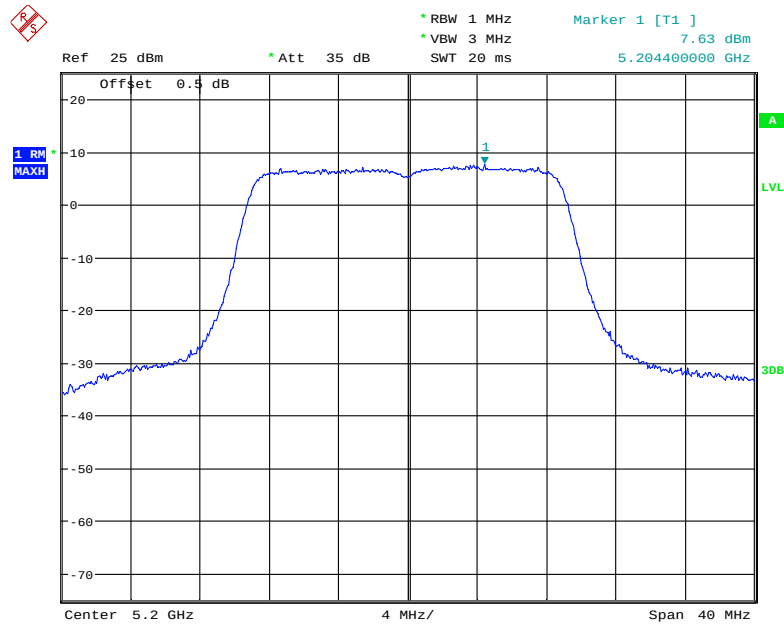
Date: 2.NOV.2017 00:27:26

Chain 1, 802.11n ht20 Low Channel



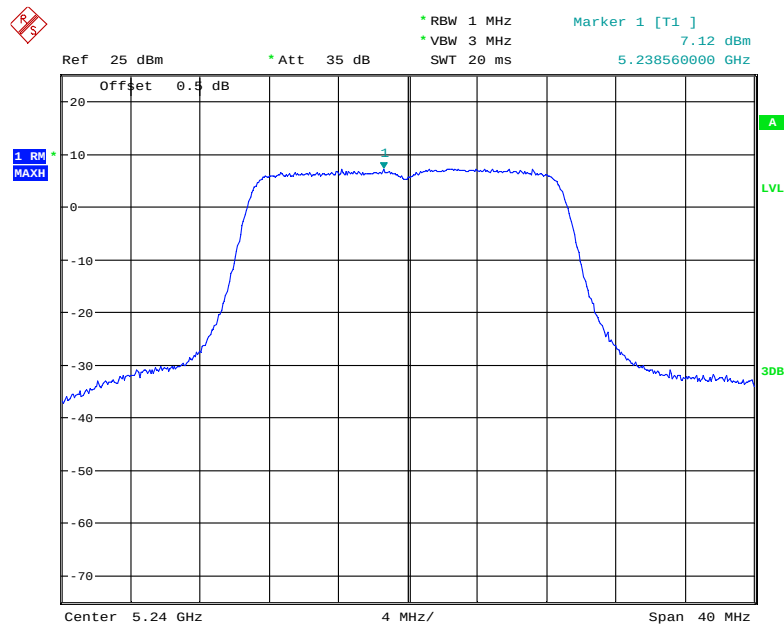
Date: 2.NOV.2017 18:58:07

Chain 1, 802.11n ht20 Middle Channel



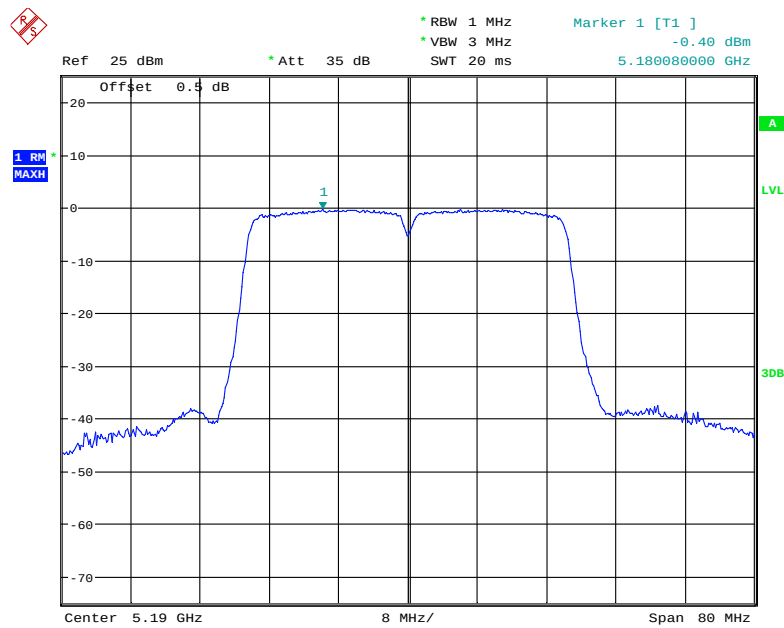
Date: 2.NOV.2017 18:41:25

Chain 1, 802.11n ht20 High Channel



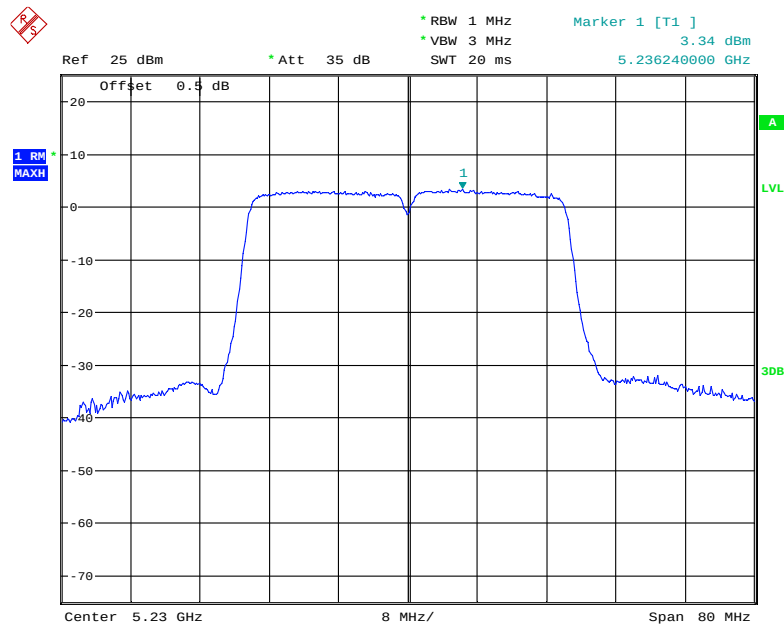
Date: 2.NOV.2017 18:42:15

Chain 1, 802.11n ht40 Low Channel



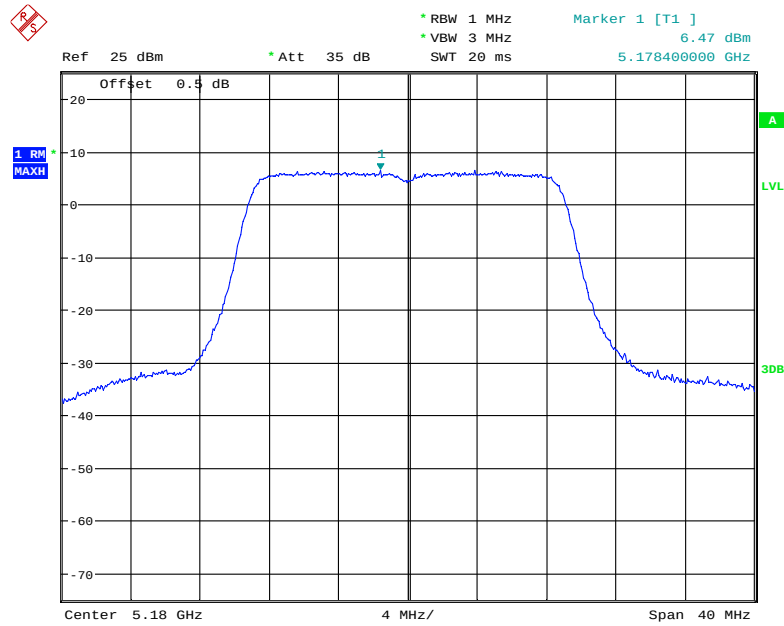
Date: 2.NOV.2017 20:33:02

Chain 1, 802.11n ht40 High Channel



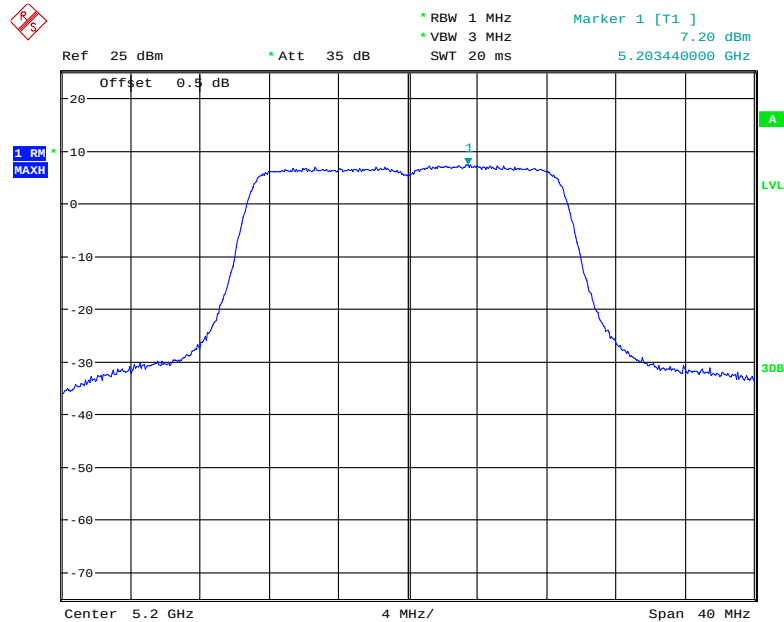
Date: 2.NOV.2017 20:37:53

Chain 1, 802.11n ac20 Low Channel



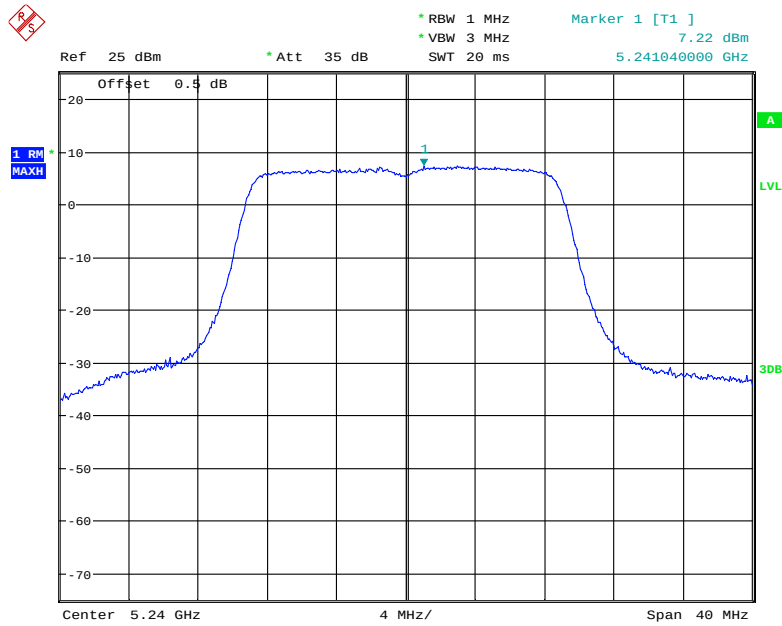
Date: 2.NOV.2017 19:41:38

Chain 1, 802.11n ac20 Middle Channel



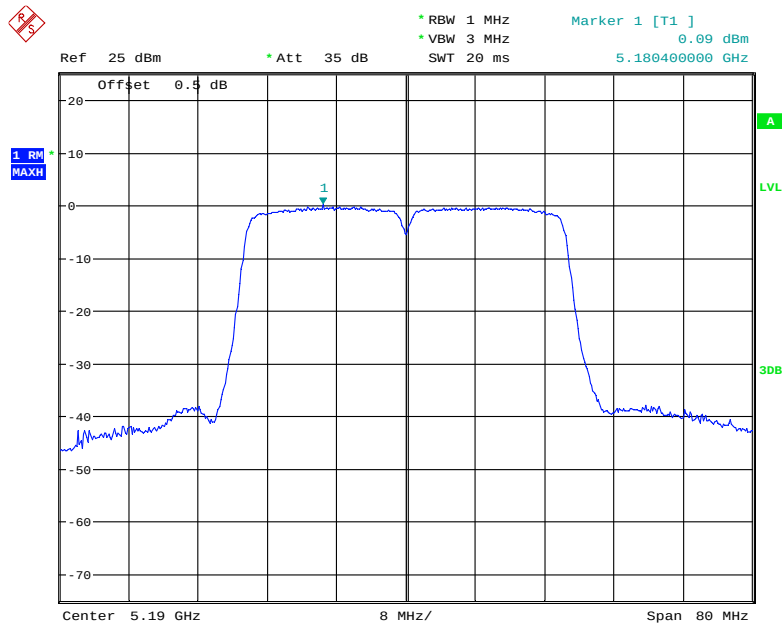
Date: 2.NOV.2017 19:47:46

Chain 1, 802.11n ac20 High Channel



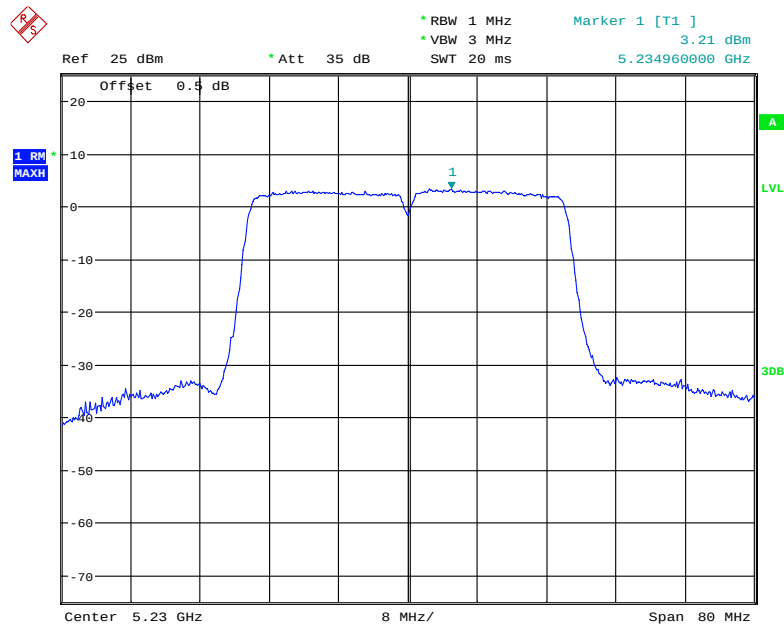
Date: 2.NOV.2017 19:48:14

Chain 1, 802.11n ac40 Low Channel



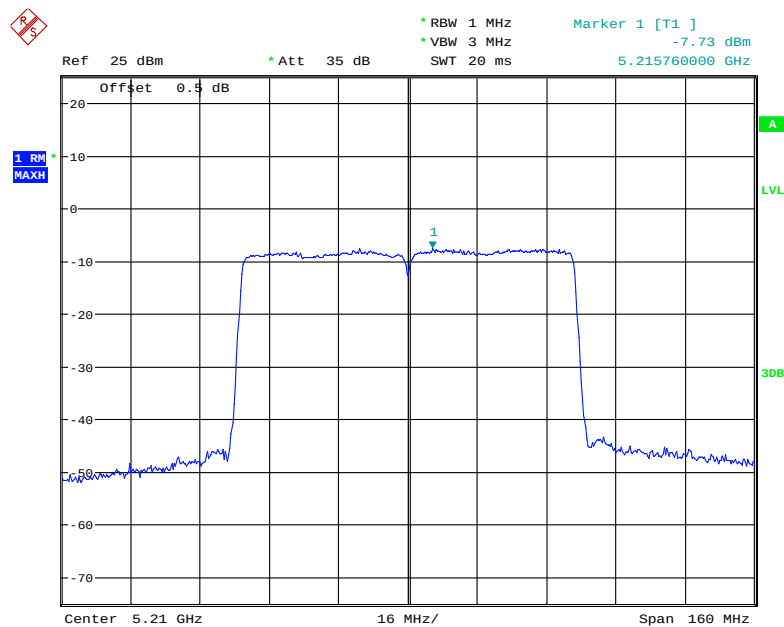
Date: 2.NOV.2017 22:24:20

Chain 1, 802.11n ac40 High Channel



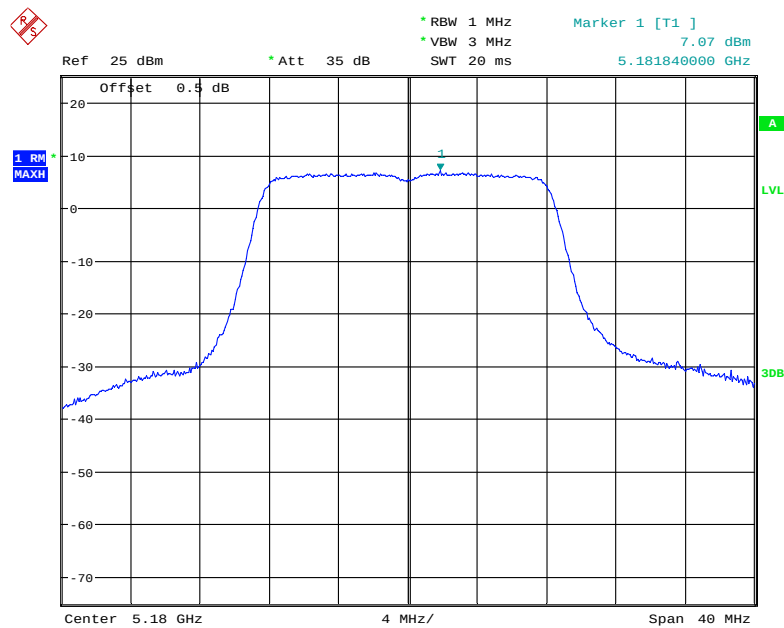
Date: 2.NOV.2017 22:13:36

Chain 1, 802.11ac80 Middle Channel



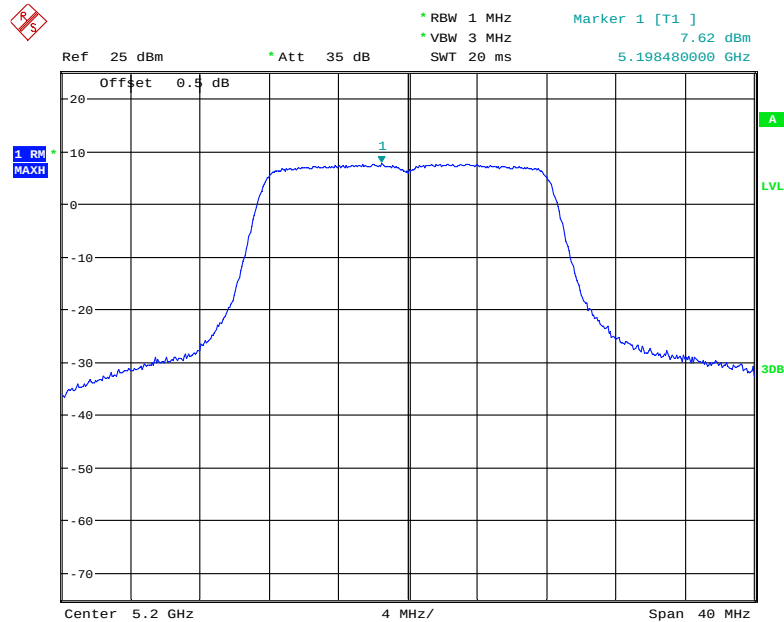
Date: 2.NOV.2017 22:36:23

Chain 2, 802.11a Low Channel



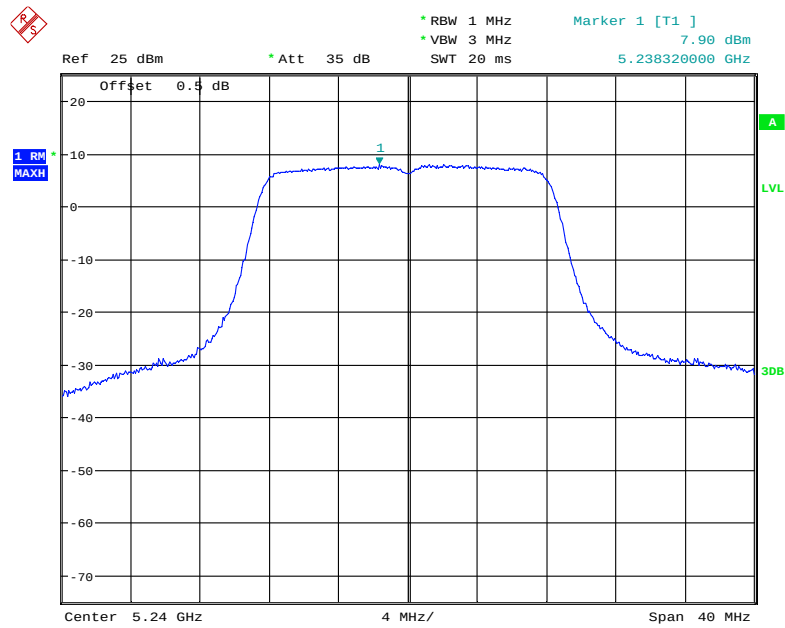
Date: 2.NOV.2017 00:20:43

Chain 2, 802.11a Middle Channel



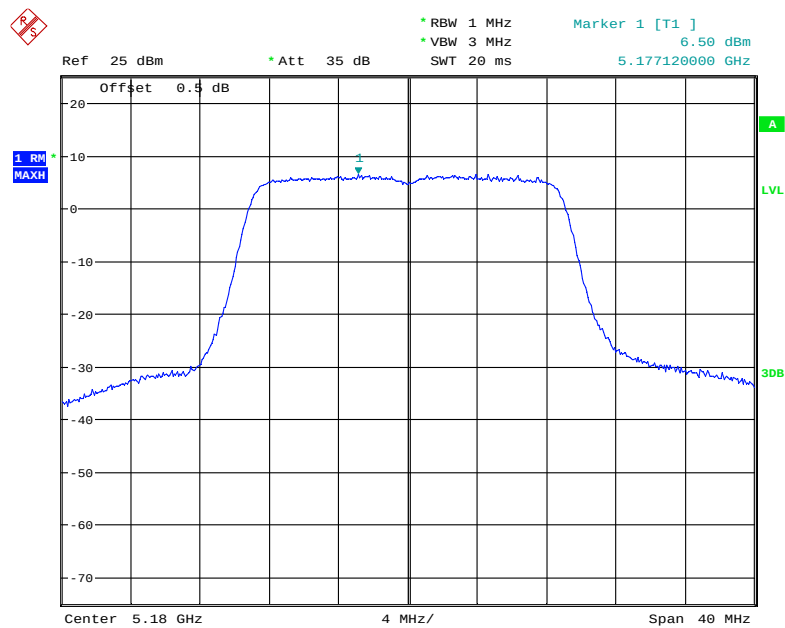
Date: 2.NOV.2017 00:26:06

Chain 2, 802.11a High Channel



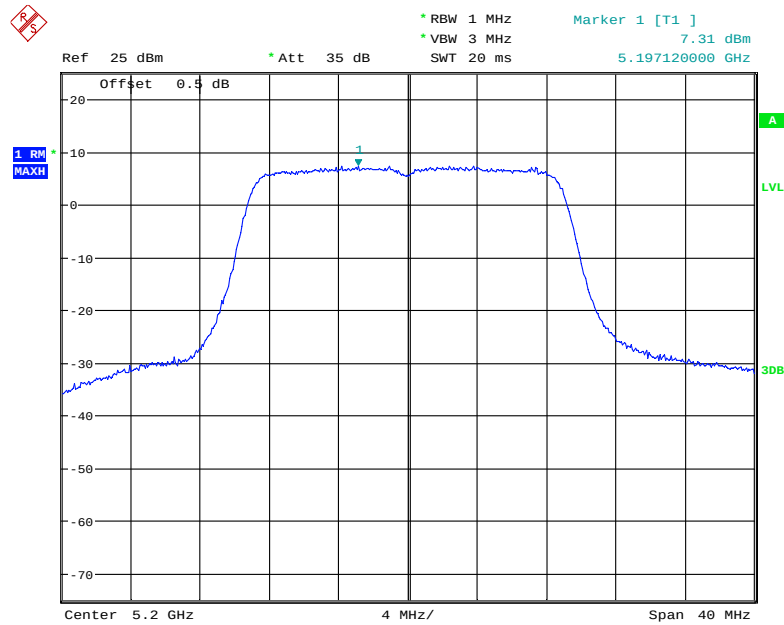
Date: 2.NOV.2017 00:25:05

Chain 2, 802.11n ht20 Low Channel



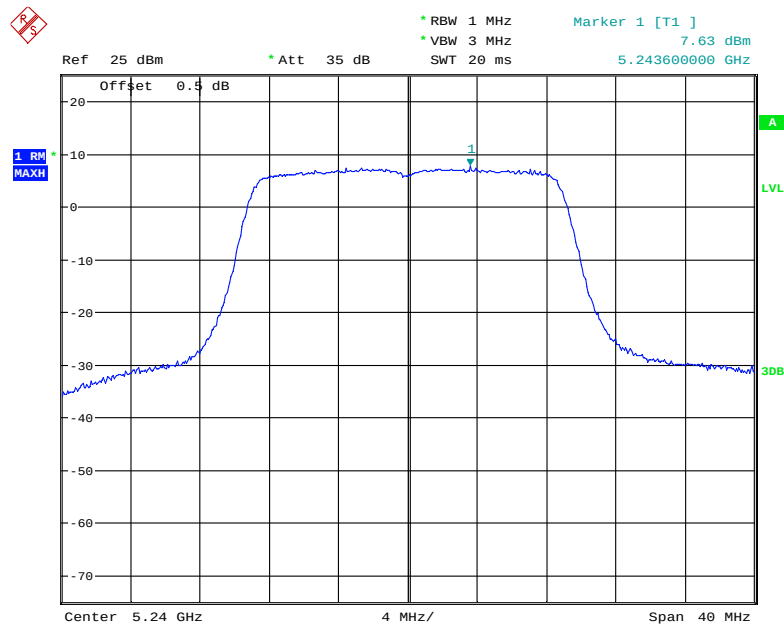
Date: 2.NOV.2017 18:57:02

Chain 2, 802.11n ht20 Middle Channel



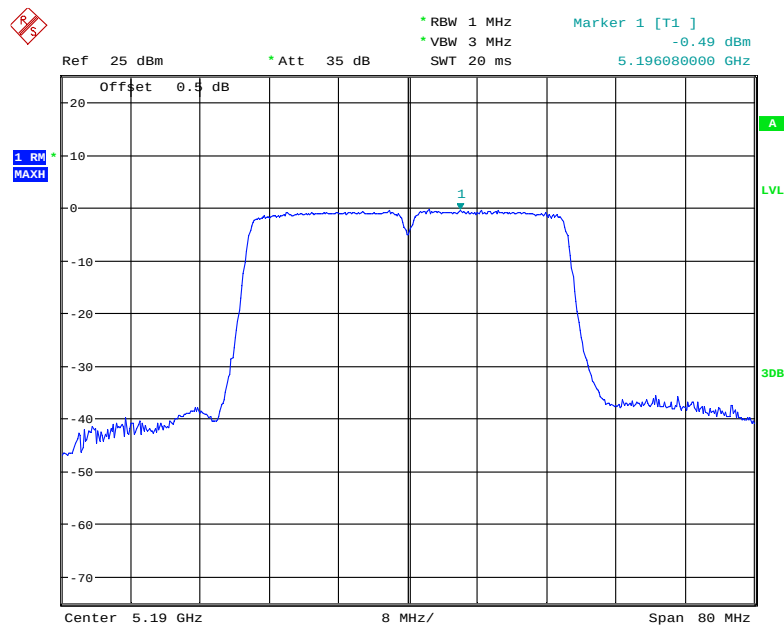
Date: 2.NOV.2017 18:44:27

Chain 2, 802.11n ht20 High Channel



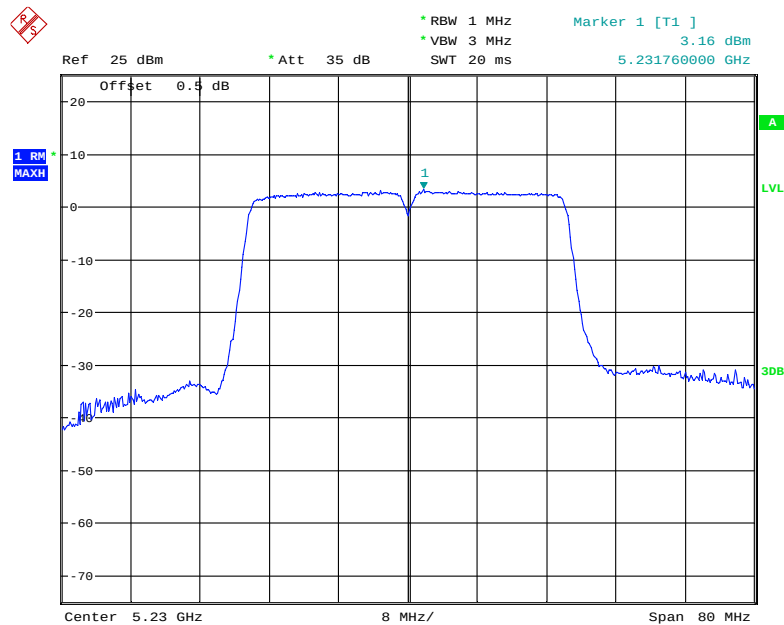
Date: 2.NOV.2017 18:43:31

Chain 2, 802.11n ht40 Low Channel



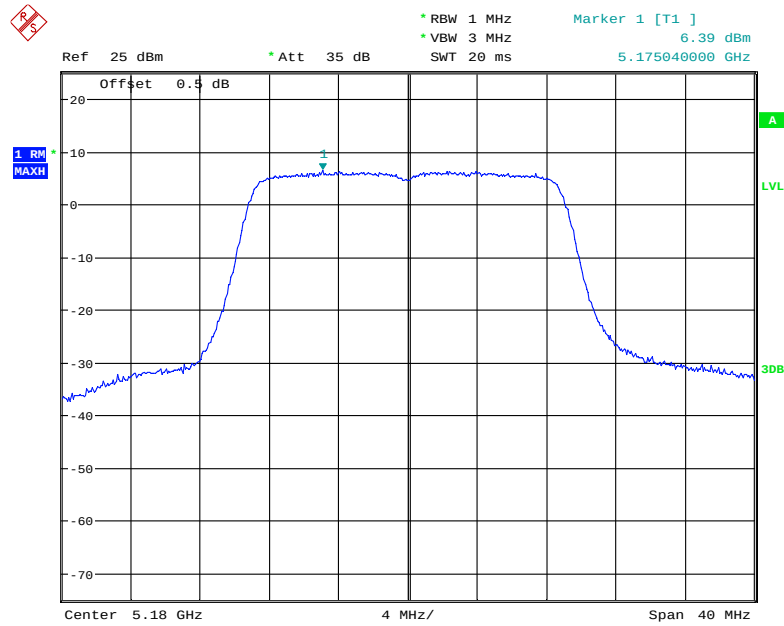
Date: 2.NOV.2017 20:32:19

Chain 2, 802.11n ht40 High Channel



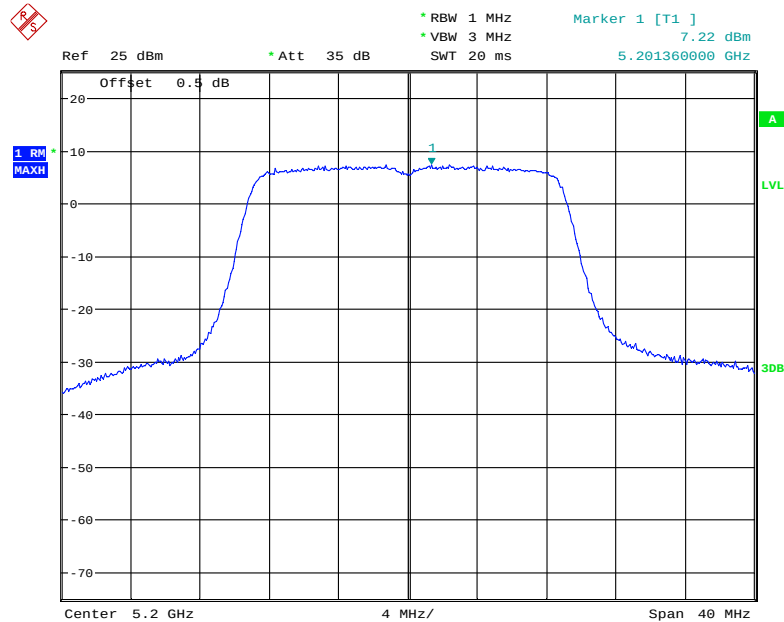
Date: 2.NOV.2017 20:39:15

Chain 2, 802.11n ac20 Low Channel



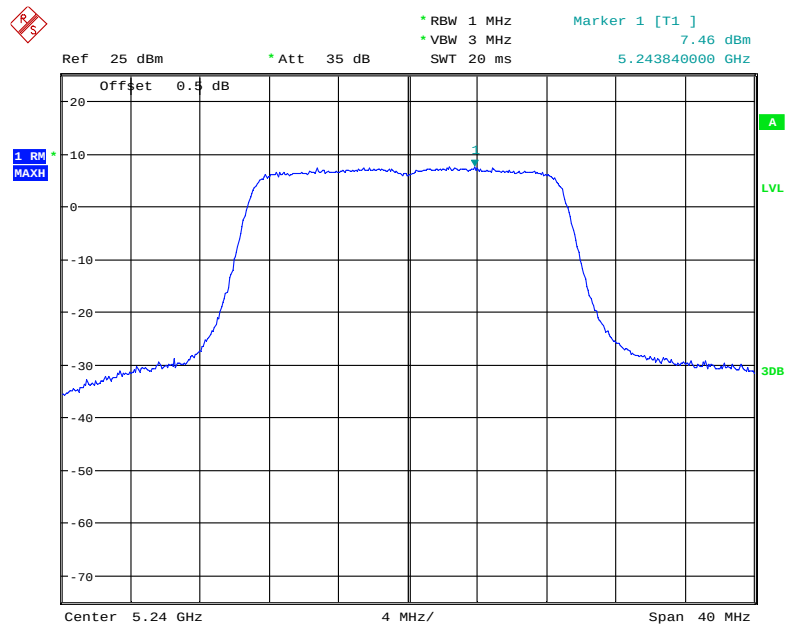
Date: 2.NOV.2017 19:42:32

Chain 2, 802.11n ac20 Middle Channel



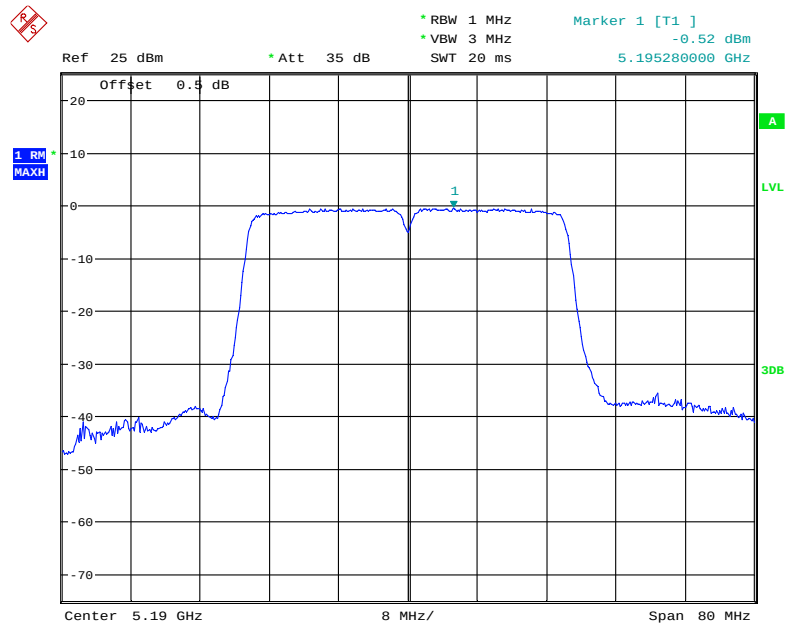
Date: 2.NOV.2017 19:47:10

Chain 2, 802.11n ac20 High Channel



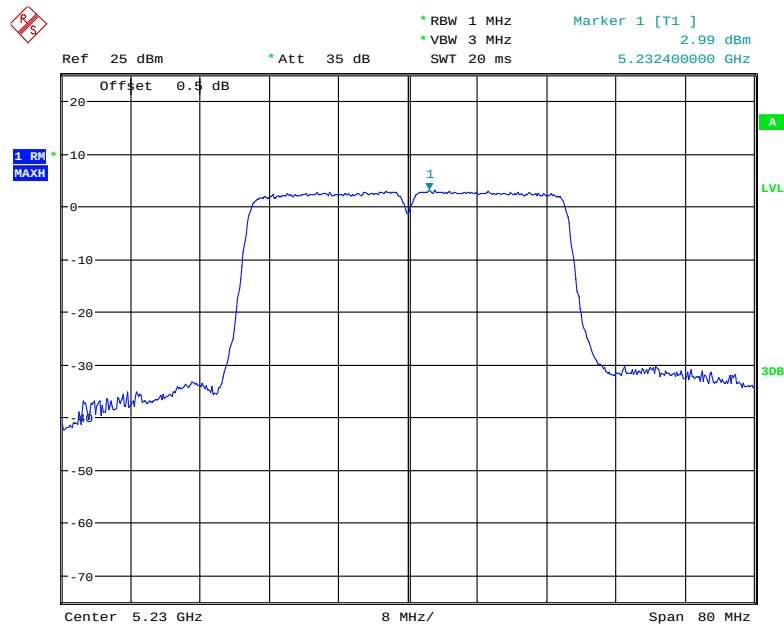
Date: 2.NOV.2017 19:46:27

Chain 2, 802.11n ac40 Low Channel



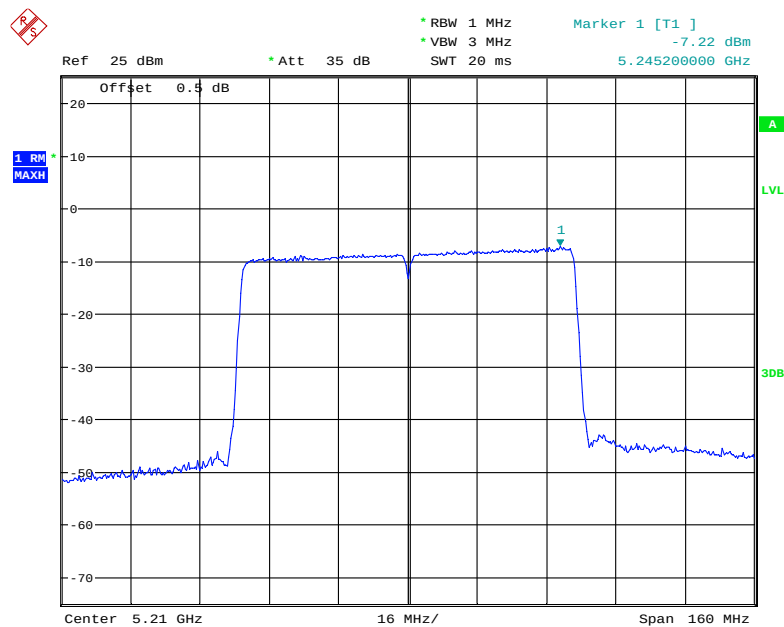
Date: 2.NOV.2017 22:23:26

Chain 2, 802.11n ac40 High Channel



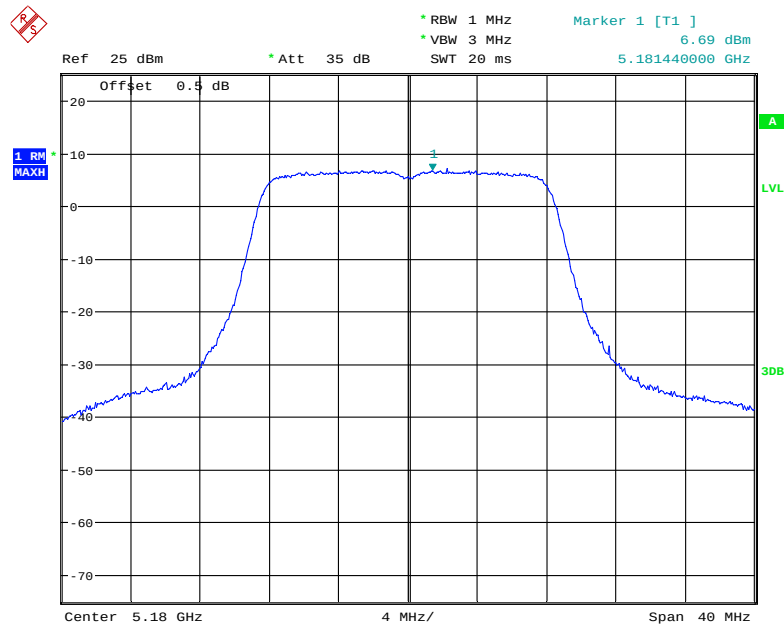
Date: 2.NOV.2017 22:17:43

Chain 2, 802.11ac80 Middle Channel



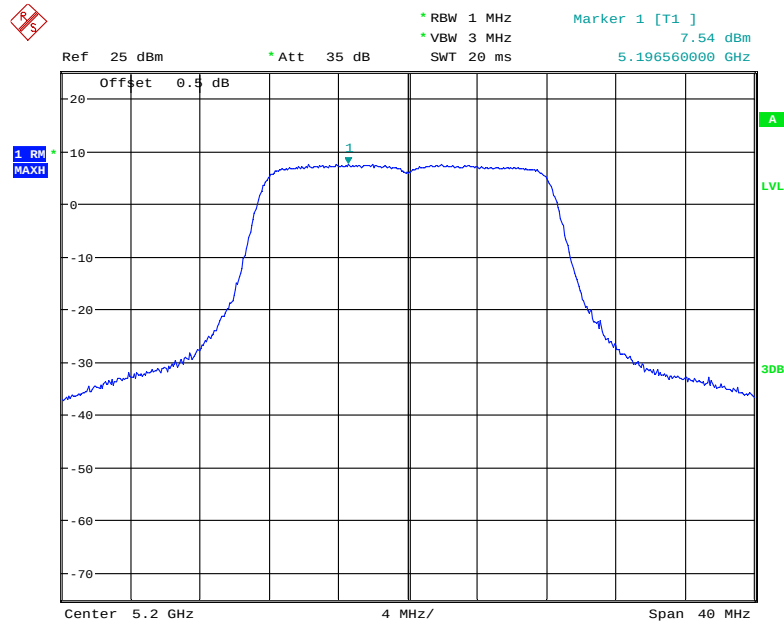
Date: 2.NOV.2017 22:35:44

Chain 3, 802.11a Low Channel



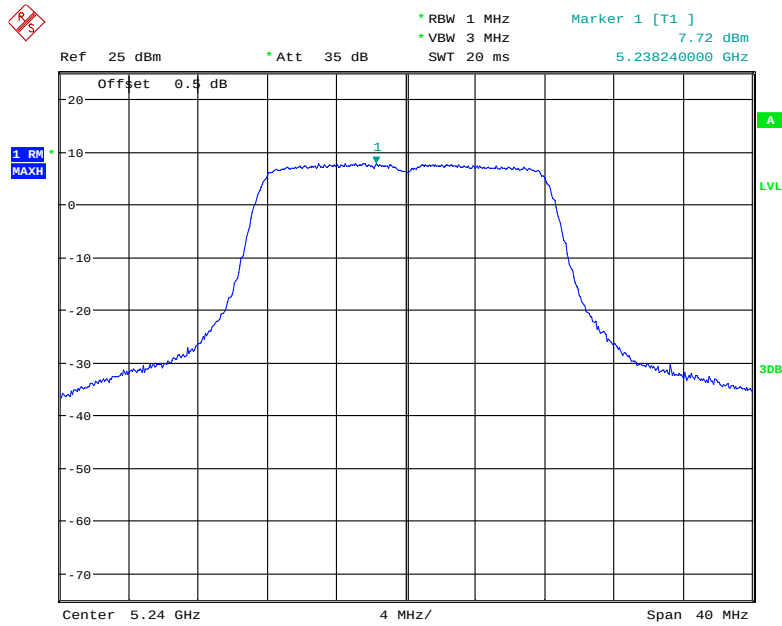
Date: 2.NOV.2017 00:21:38

Chain 3, 802.11a Middle Channel



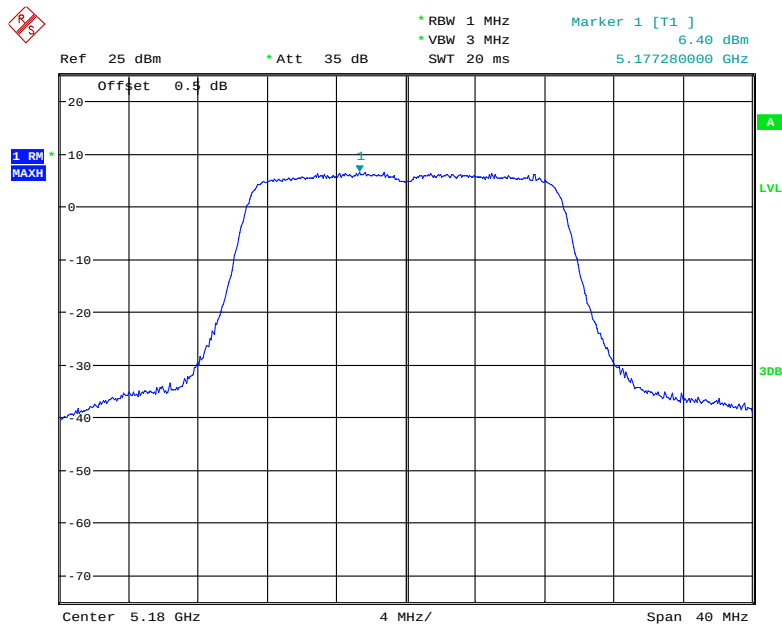
Date: 2.NOV.2017 00:23:37

Chain 3, 802.11a High Channel



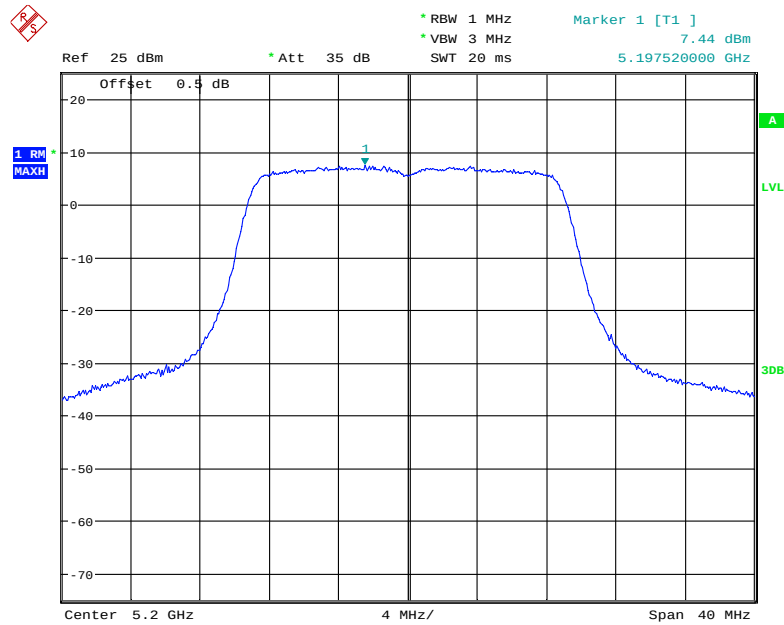
Date: 2.NOV.2017 00:24:12

Chain 3, 802.11n ht20 Low Channel



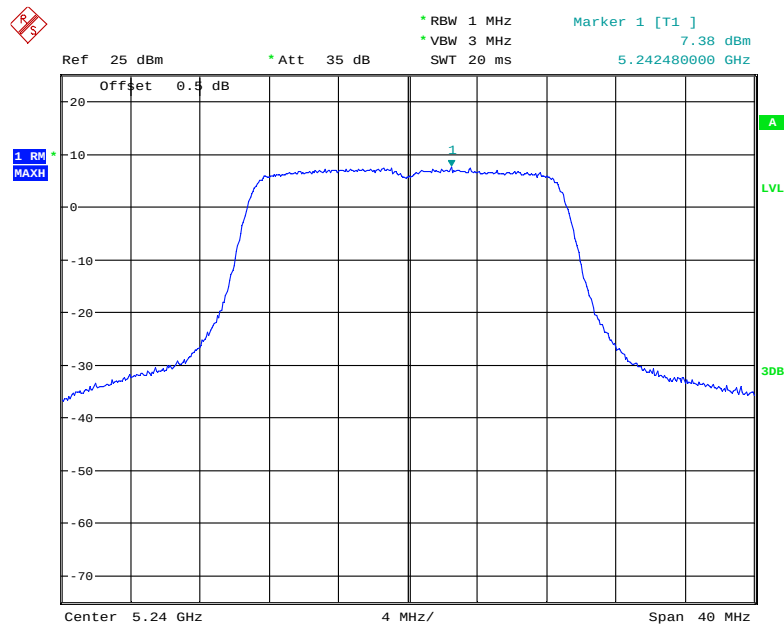
Date: 2.NOV.2017 18:54:16

Chain 3, 802.11n ht20 Middle Channel



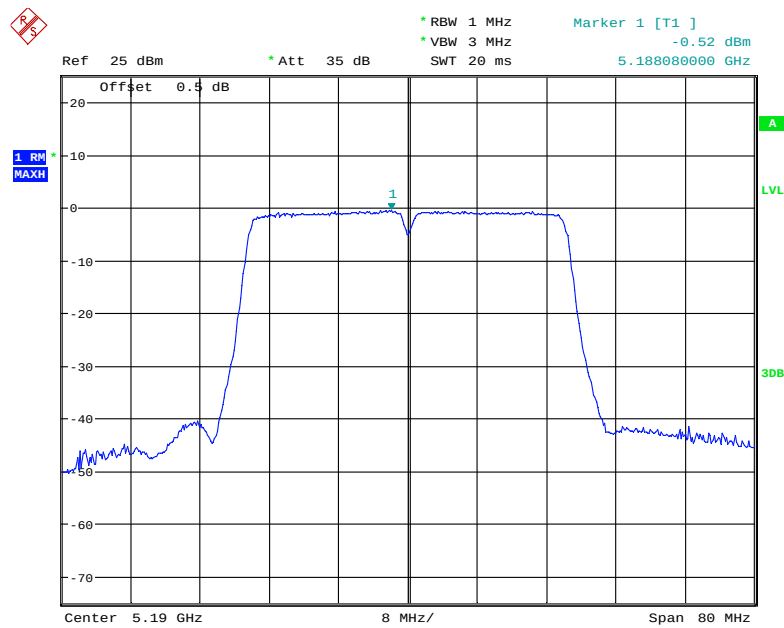
Date: 2.NOV.2017 18:45:08

Chain 3, 802.11n ht20 High Channel



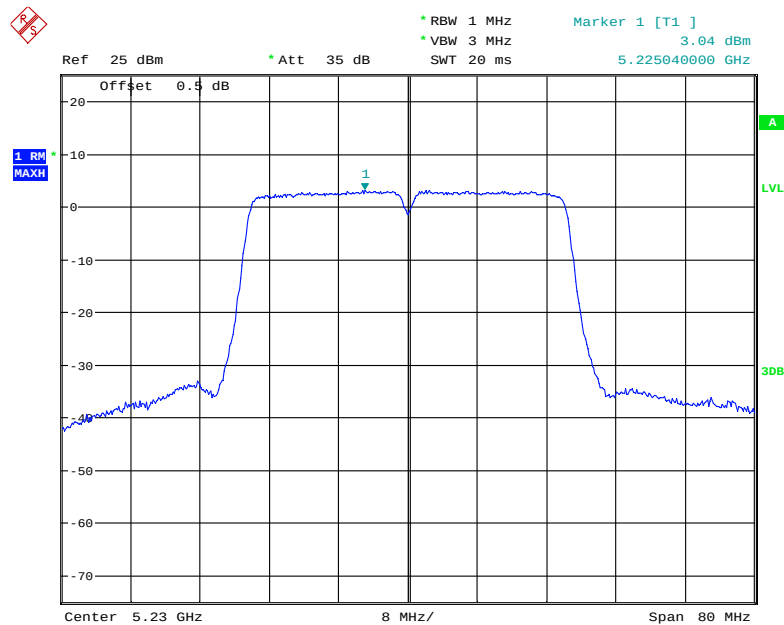
Date: 2.NOV.2017 18:45:39

Chain 3, 802.11n ht40 Low Channel



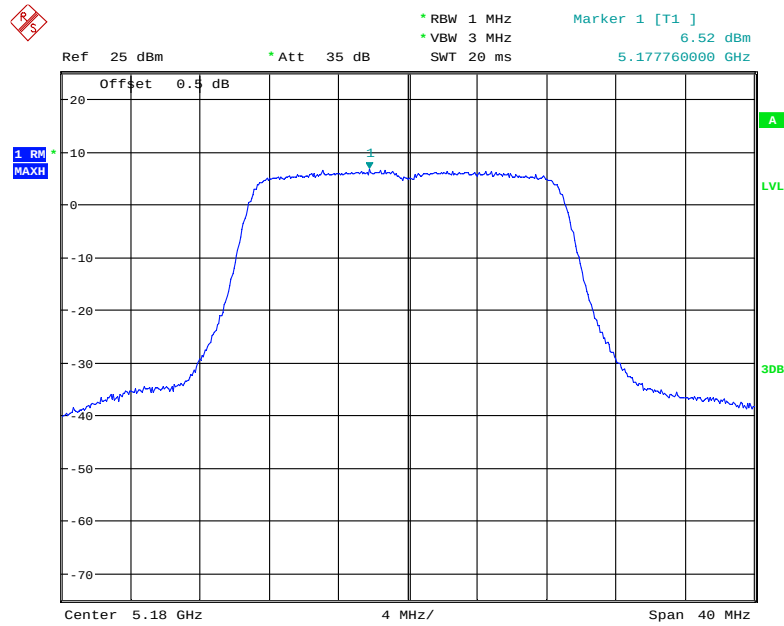
Date: 2.NOV.2017 20:31:42

Chain 3, 802.11n ht40 High Channel



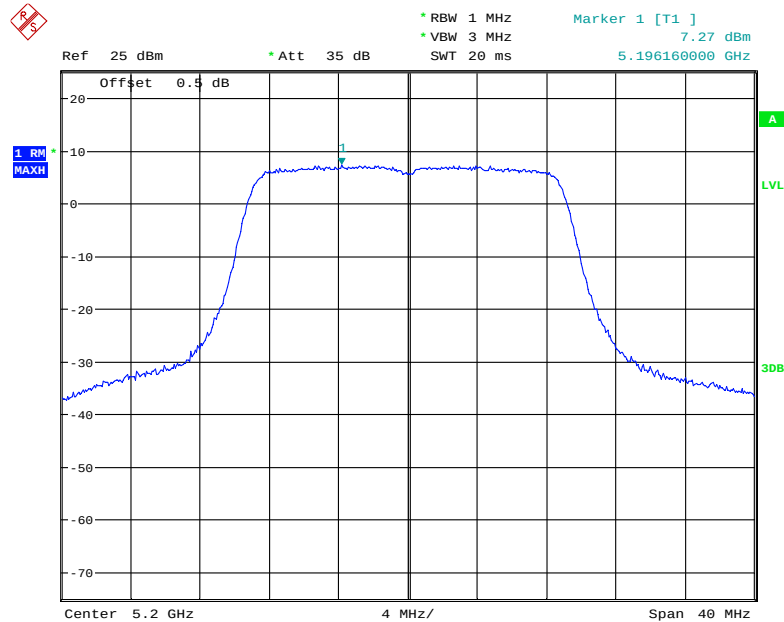
Date: 2.NOV.2017 20:42:49

Chain 3, 802.11n ac20 Low Channel



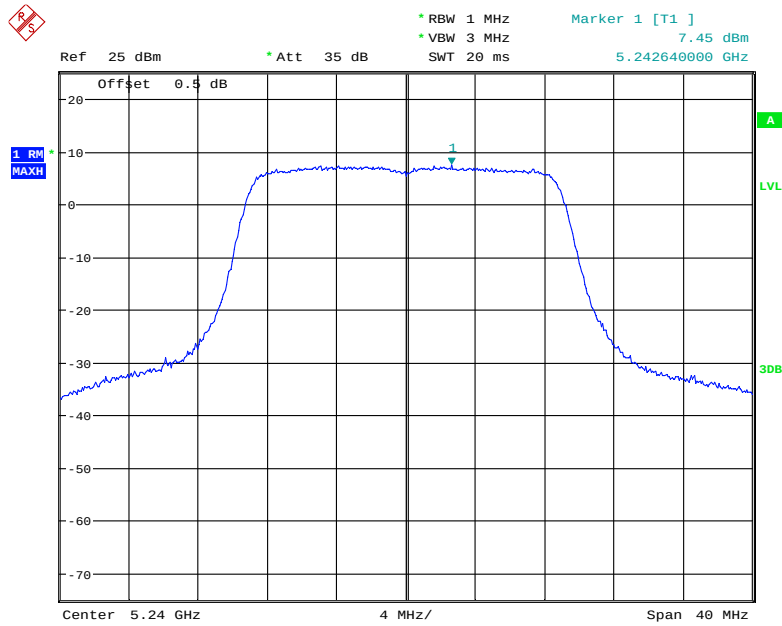
Date: 2.NOV.2017 19:43:28

Chain 3, 802.11n ac20 Middle Channel



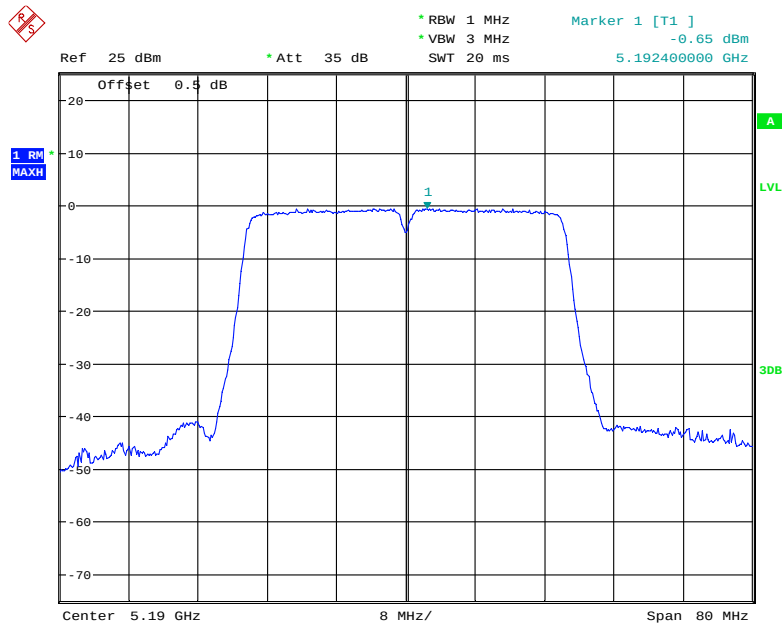
Date: 2.NOV.2017 19:44:56

Chain 3, 802.11n ac20 High Channel



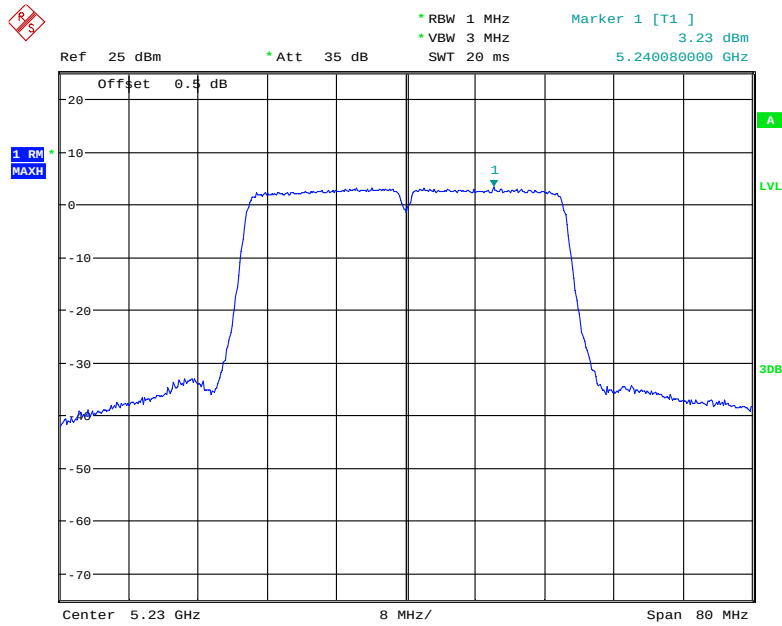
Date: 2.NOV.2017 19:45:34

Chain 3, 802.11n ac40 Low Channel



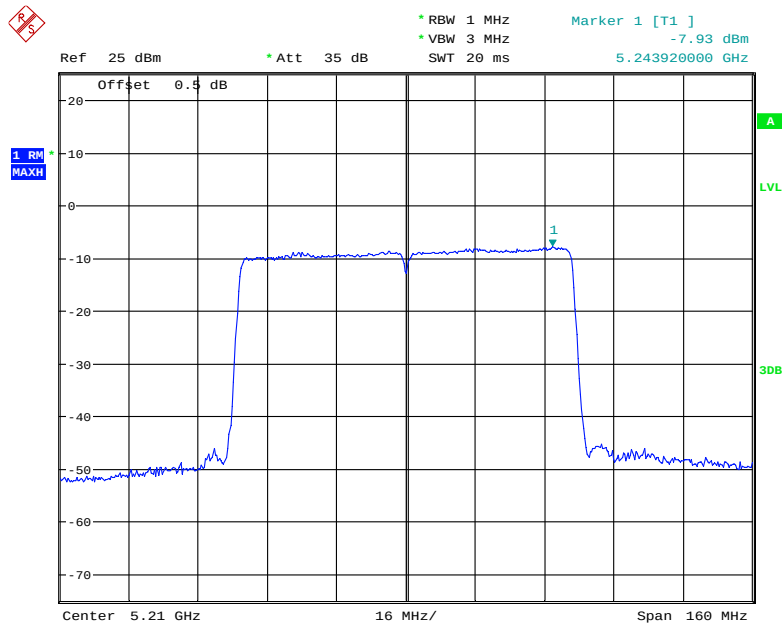
Date: 2.NOV.2017 22:21:17

Chain 3, 802.11n ac40 High Channel



Date: 2.NOV.2017 22:18:52

Chain 3, 802.11ac80 Middle Channel



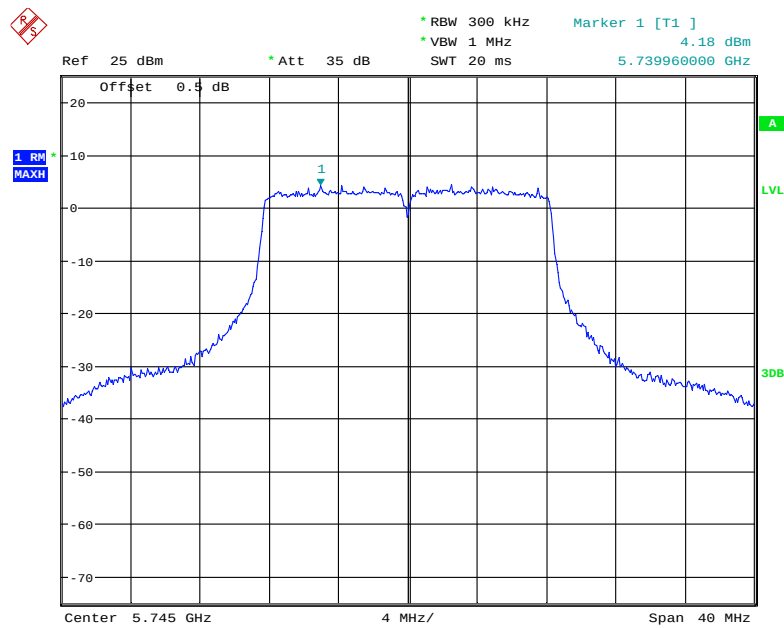
Date: 2.NOV.2017 22:35:01

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:

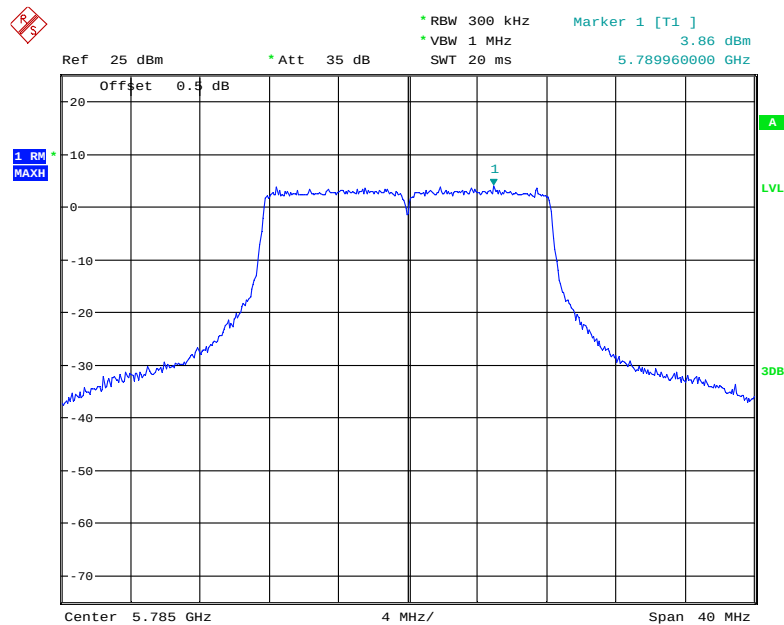
Mode	Frequency (MHz)	Reading (dBm/300kHz)				Power Spectral Density (dBm/500kHz)					Limits (dBm/500kHz)
		Chain 0	Chain 1	Chain 2	Chain 3	Chain 0	Chain 1	Chain 2	Chain 3	Total	
802.11 a	5745	4.14	4.73	4.9	5.18	6.36	6.95	7.12	7.4	12.99	30
	5785	4.12	4.73	4.75	4.23	6.34	6.95	6.97	6.45	12.71	
	5825	4.78	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



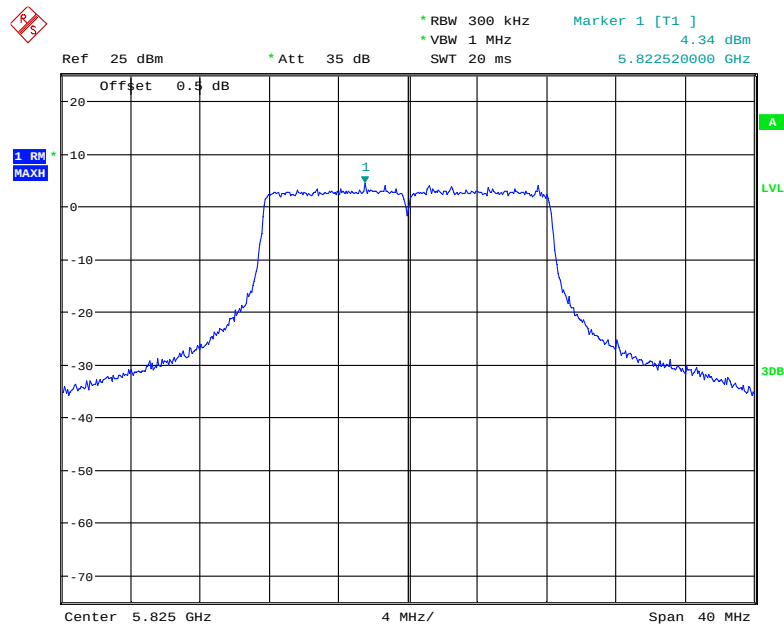
Date: 2.NOV.2017 17:50:50

Chain 0, 802.11a Middle Channel



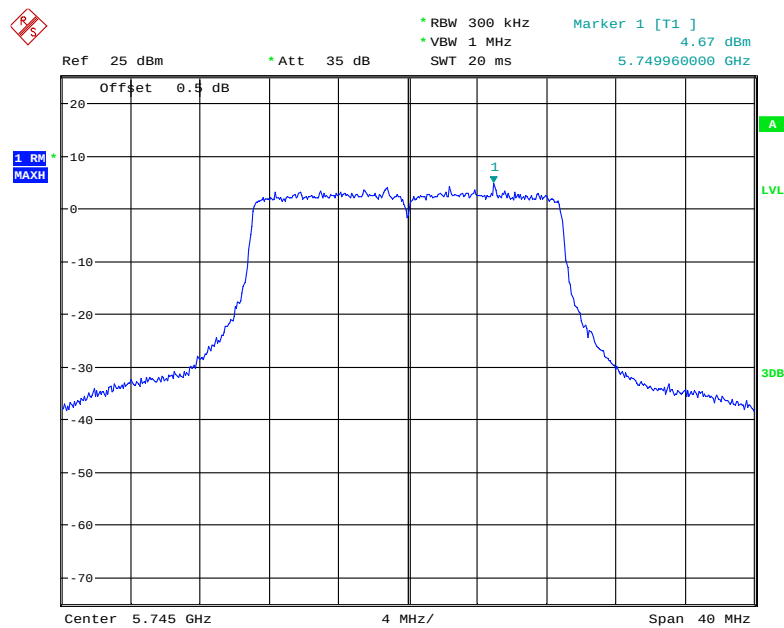
Date: 2.NOV.2017 17:50:10

Chain 0, 802.11a High Channel



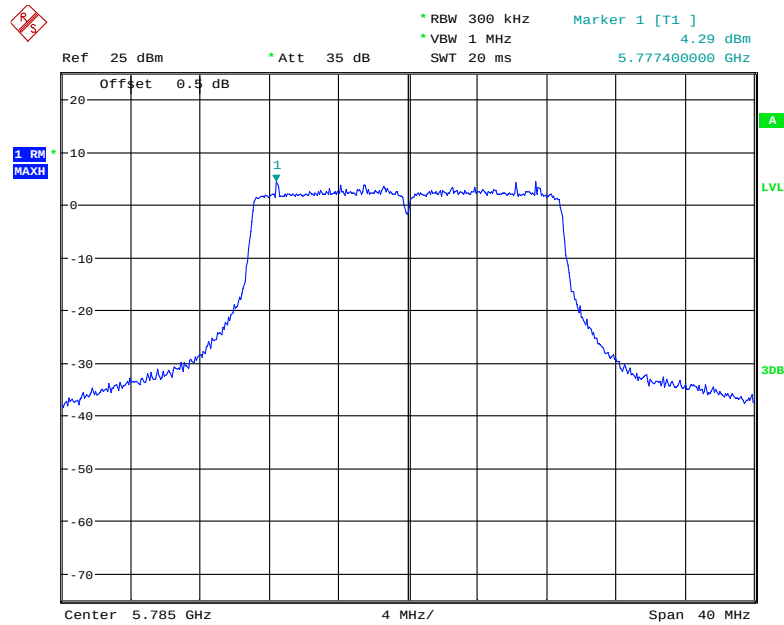
Date: 2.NOV.2017 17:48:53

Chain 0, 802.11n ht20 Low Channel



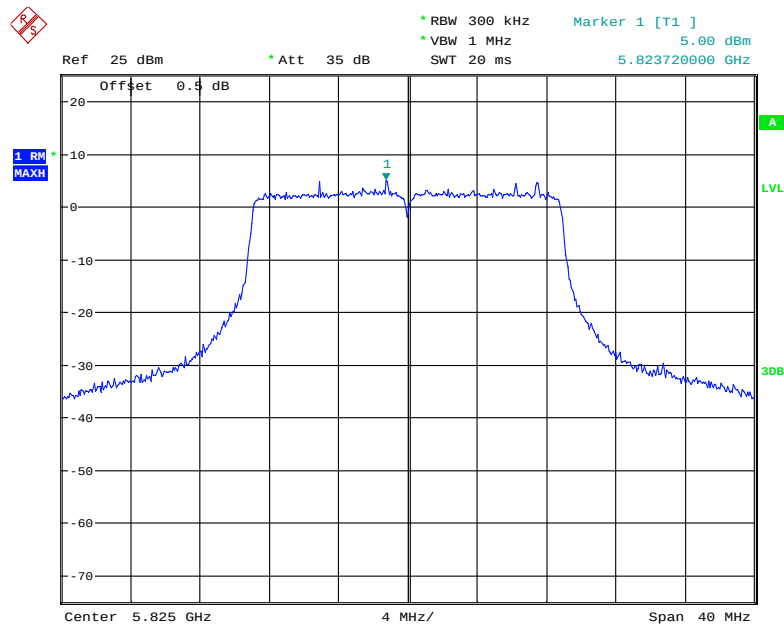
Date: 2.NOV.2017 17:55:10

Chain 0, 802.11n ht20 Middle Channel



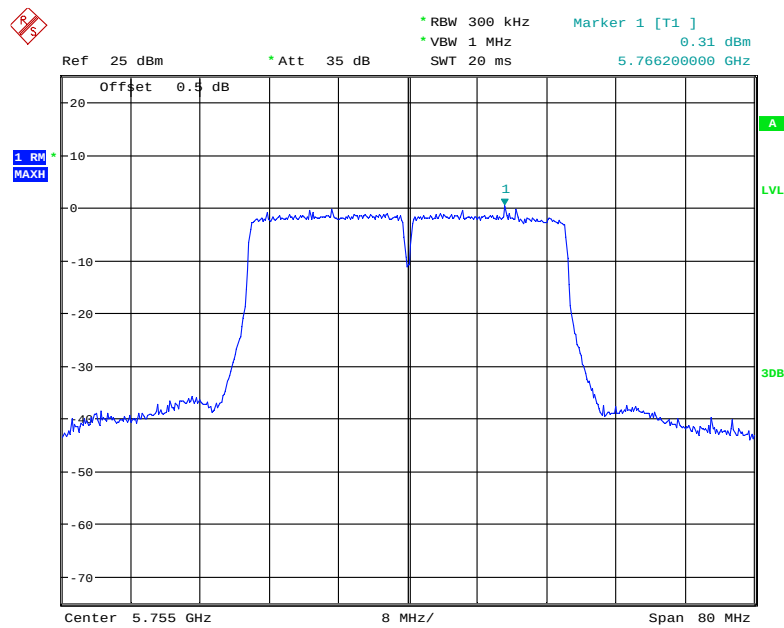
Date: 2.NOV.2017 17:56:09

Chain 0, 802.11n ht20 High Channel



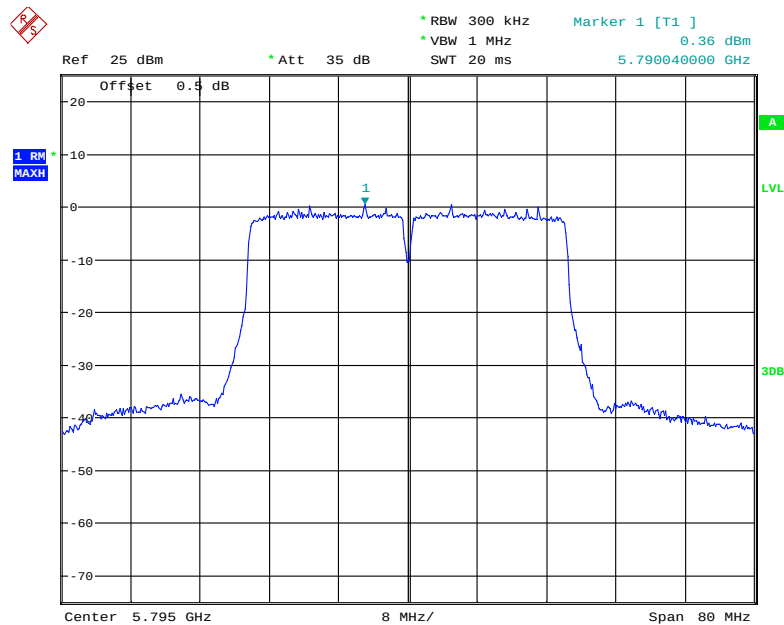
Date: 2.NOV.2017 17:56:53

Chain 0, 802.11n ht40 Low Channel



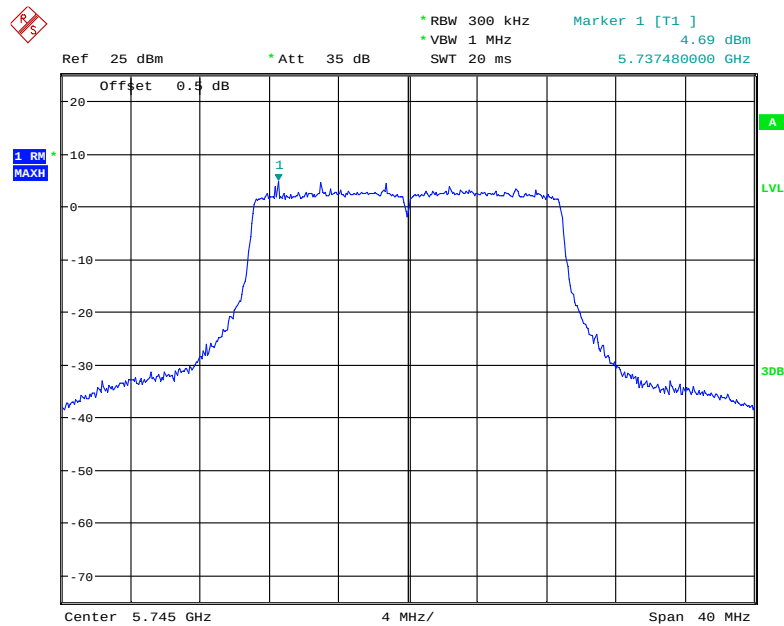
Date: 2.NOV.2017 21:09:16

Chain 0, 802.11n ht40 High Channel



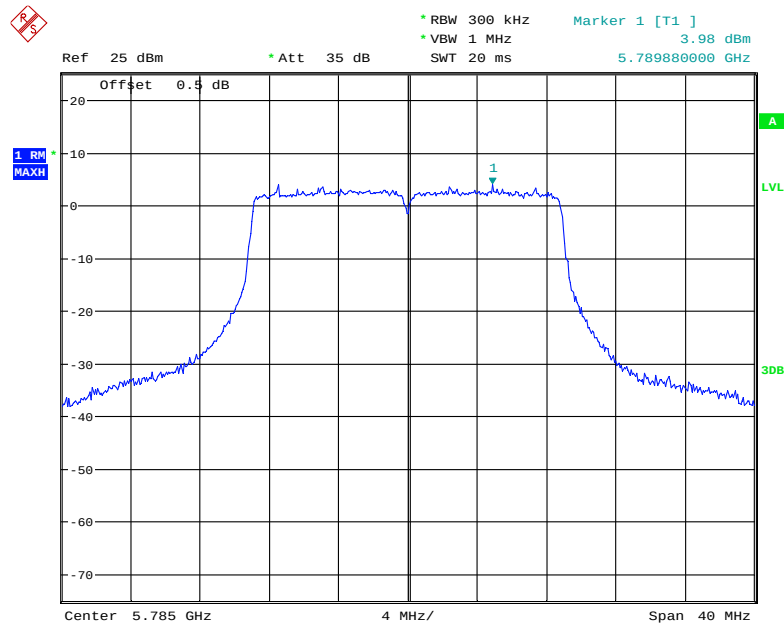
Date: 2.NOV.2017 21:10:26

Chain 0, 802.11n ac20 Low Channel



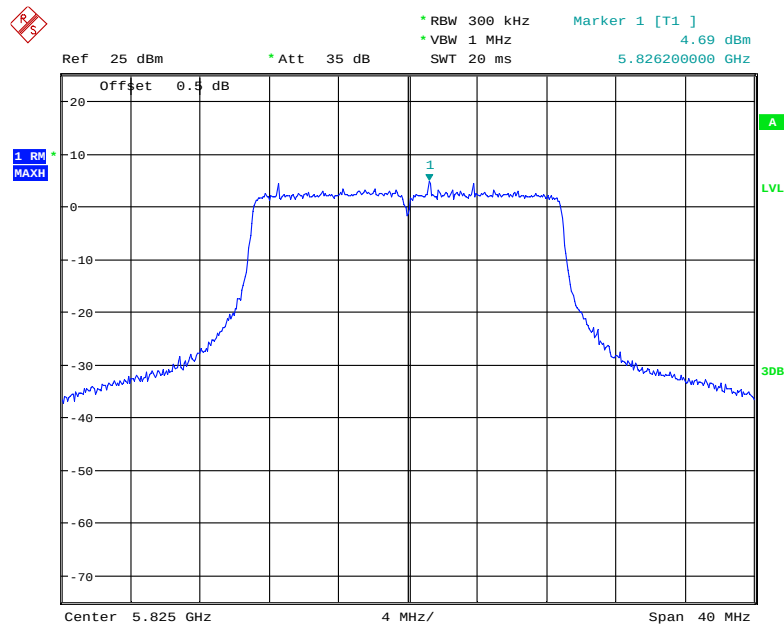
Date: 2.NOV.2017 20:25:37

Chain 0, 802.11n ac20 Middle Channel



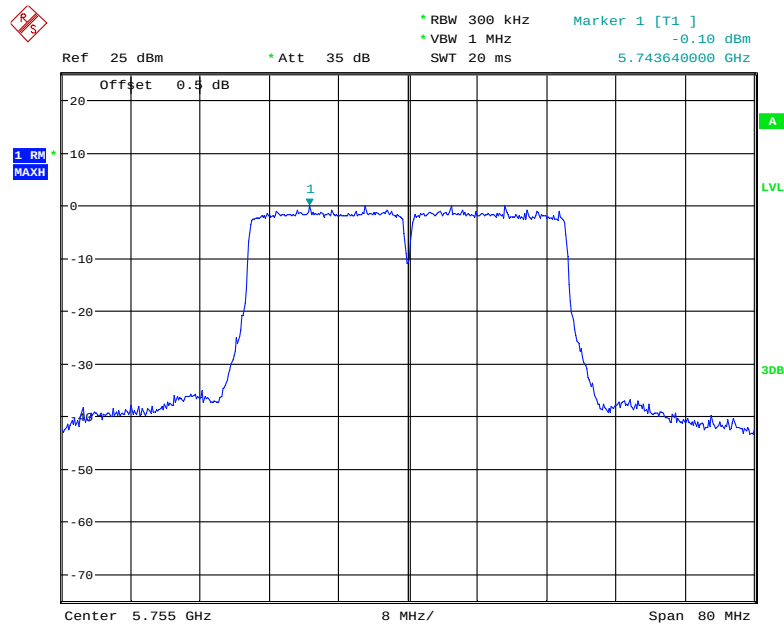
Date: 2.NOV.2017 20:25:00

Chain 0, 802.11n ac20 High Channel



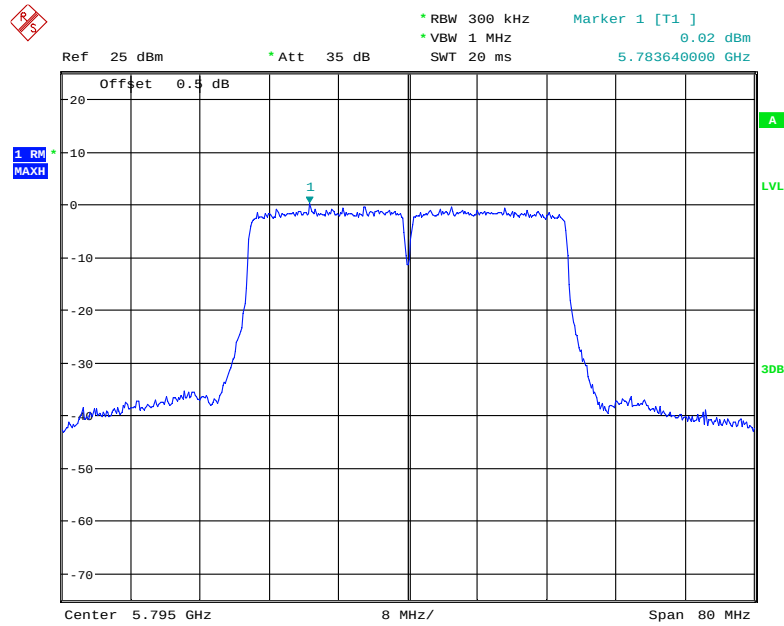
Date: 2.NOV.2017 20:24:05

Chain 0, 802.11n ac40 Low Channel



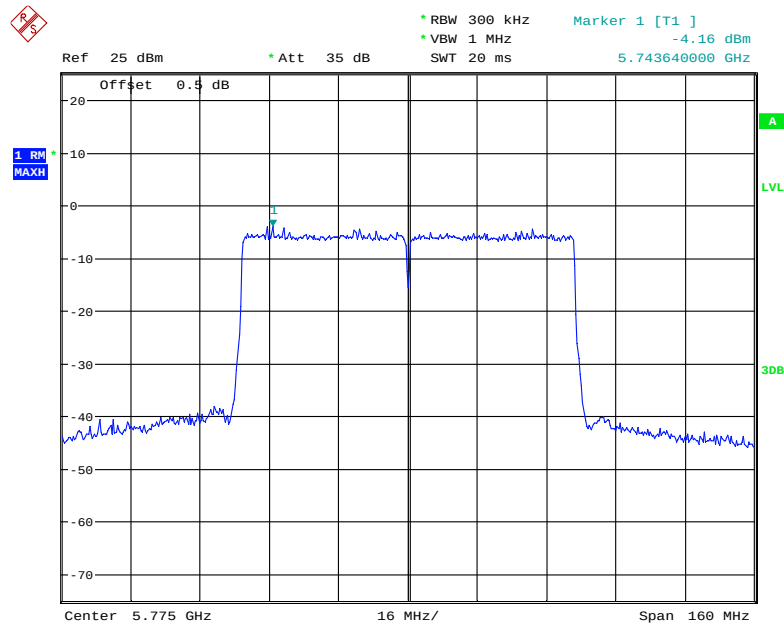
Date: 2.NOV.2017 21:33:21

Chain 0, 802.11n ac40 High Channel



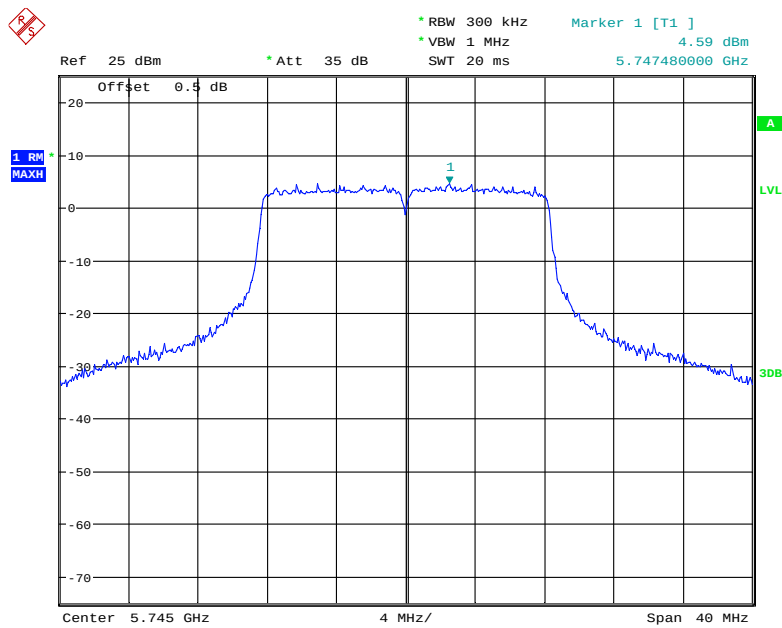
Date: 2.NOV.2017 21:32:20

Chain 0, 802.11ac80 Middle Channel



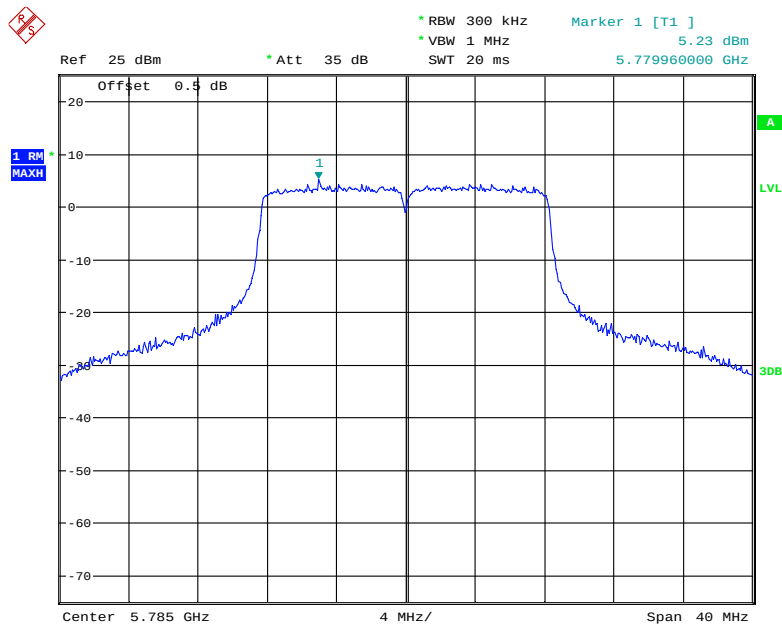
Date: 2.NOV.2017 23:12:12

Chain 1, 802.11a Low Channel



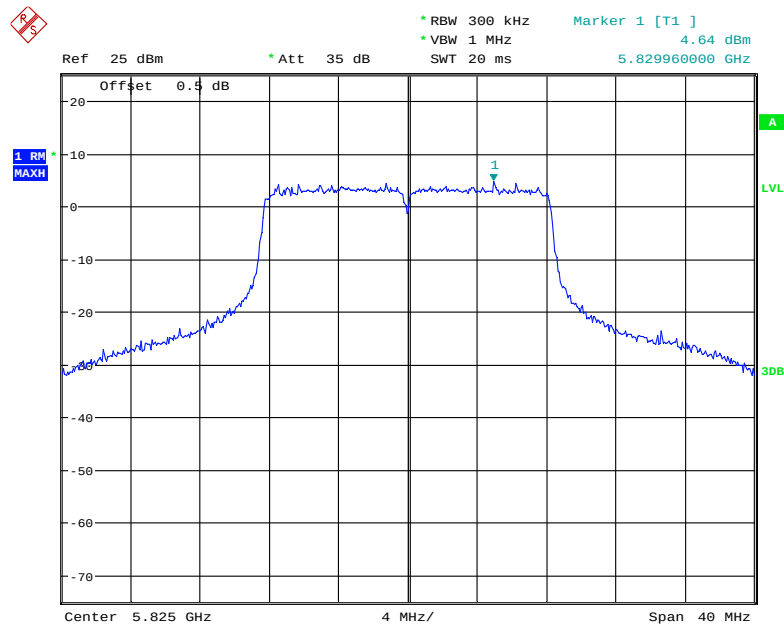
Date: 2.NOV.2017 17:46:07

Chain 1, 802.11a Middle Channel



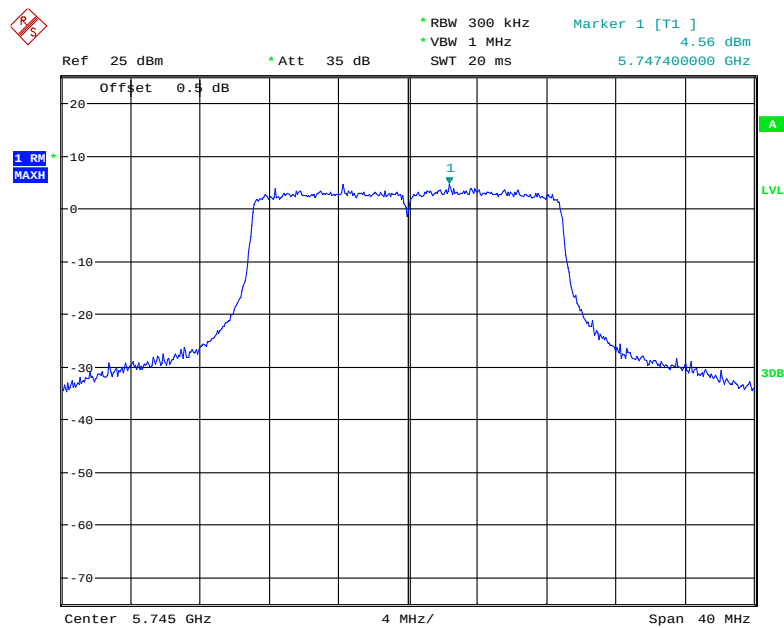
Date: 2.NOV.2017 17:47:02

Chain 1, 802.11a High Channel



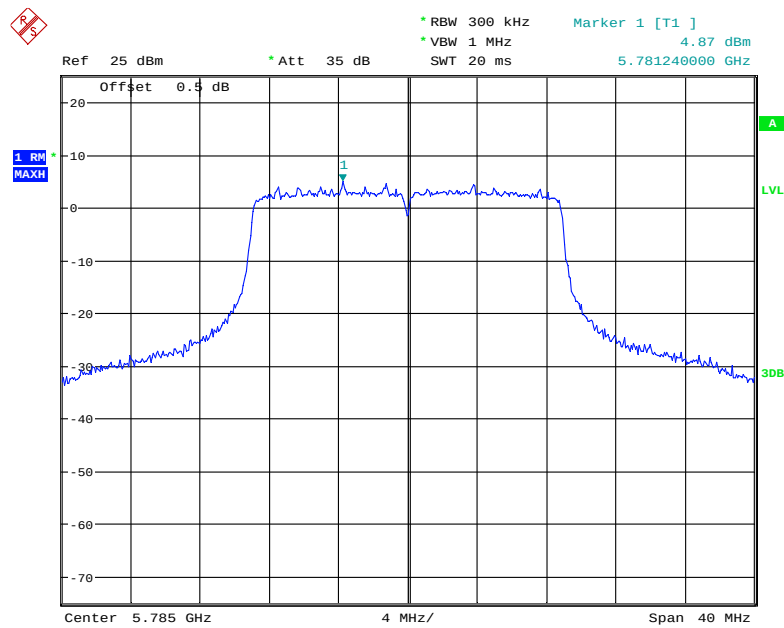
Date: 2.NOV.2017 17:47:51

Chain 1, 802.11n ht20 Low Channel



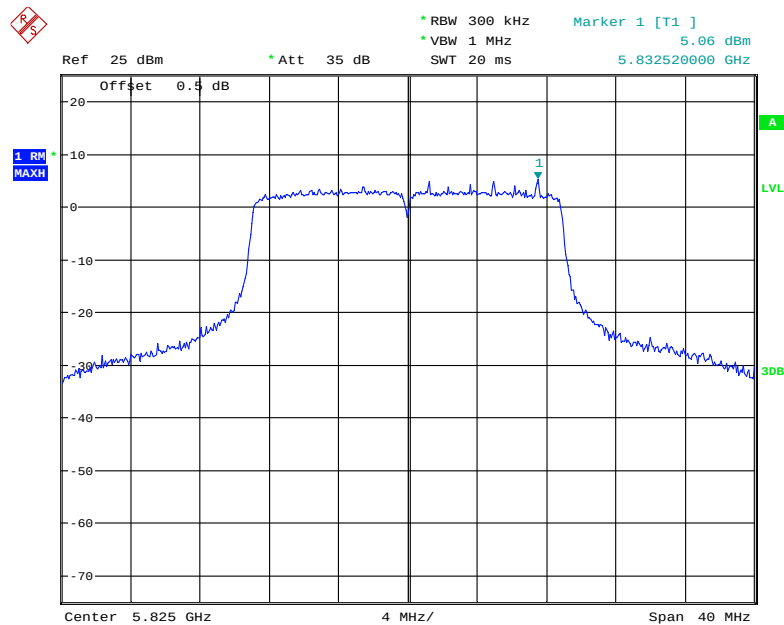
Date: 2.NOV.2017 18:00:59

Chain 1, 802.11n ht20 Middle Channel



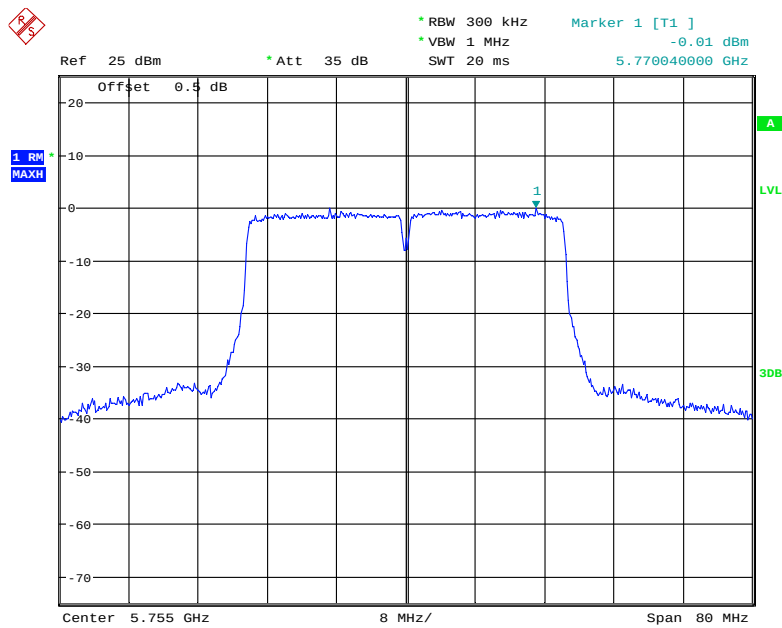
Date: 2.NOV.2017 17:59:23

Chain 1, 802.11n ht20 High Channel



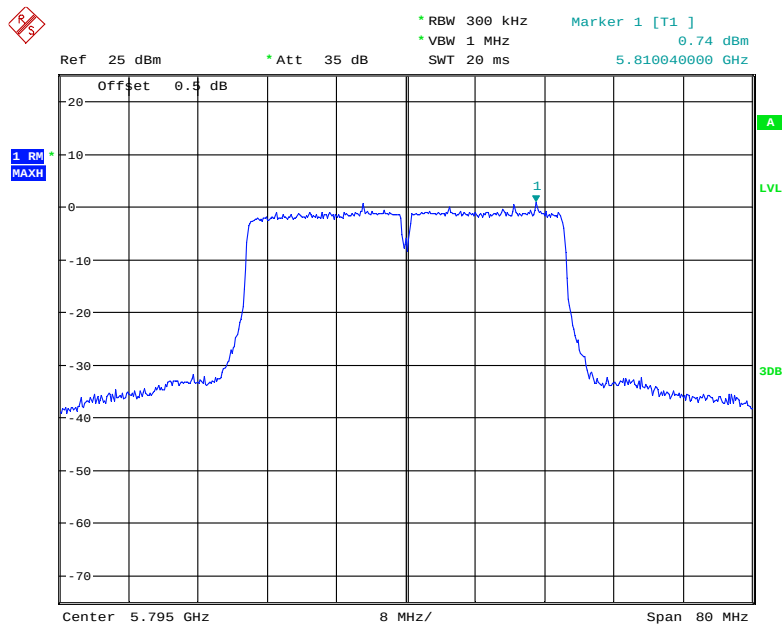
Date: 2.NOV.2017 17:58:14

Chain 1, 802.11n ht40 Low Channel



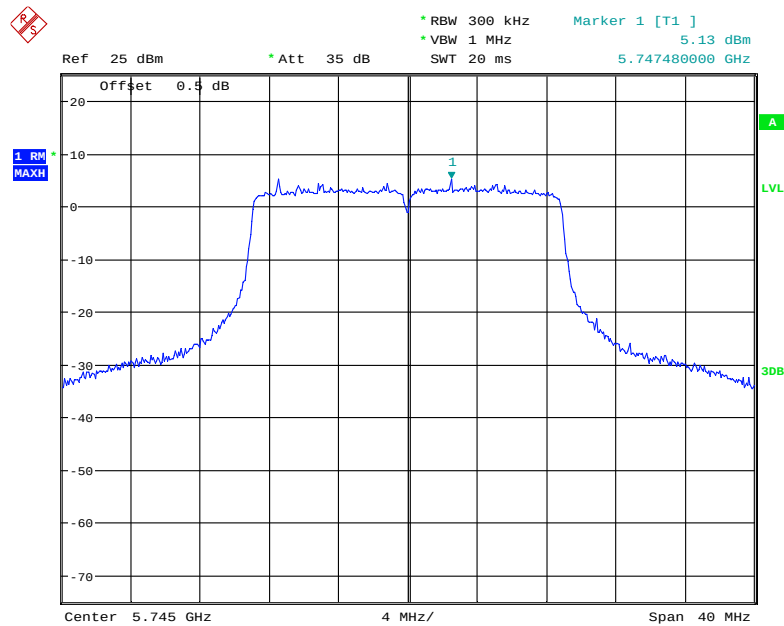
Date: 2.NOV.2017 21:12:39

Chain 1, 802.11n ht40 High Channel



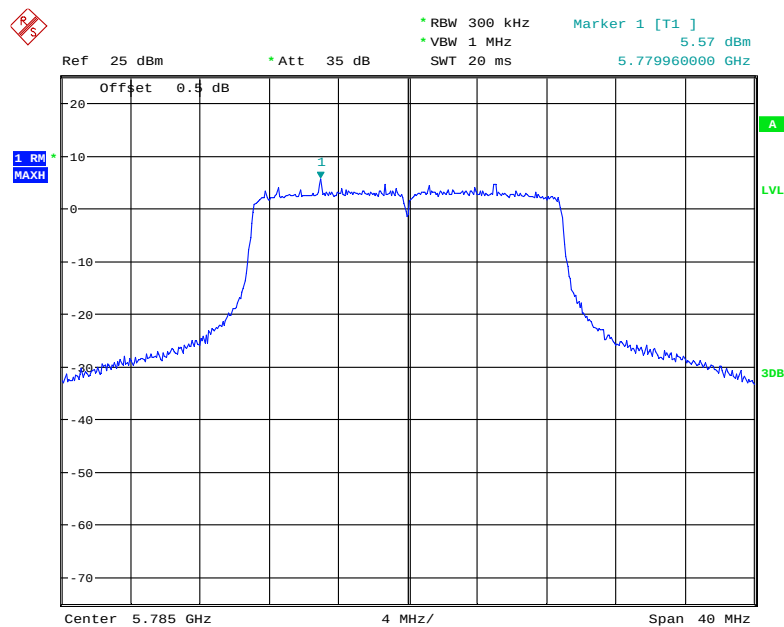
Date: 2.NOV.2017 21:11:31

Chain 1, 802.11n ac20 Low Channel



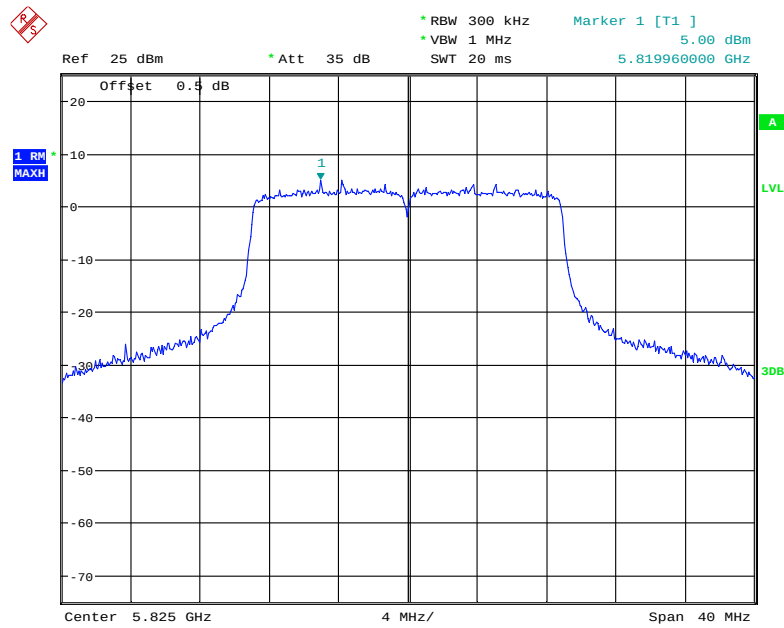
Date: 2.NOV.2017 20:20:59

Chain 1, 802.11n ac20 Middle Channel



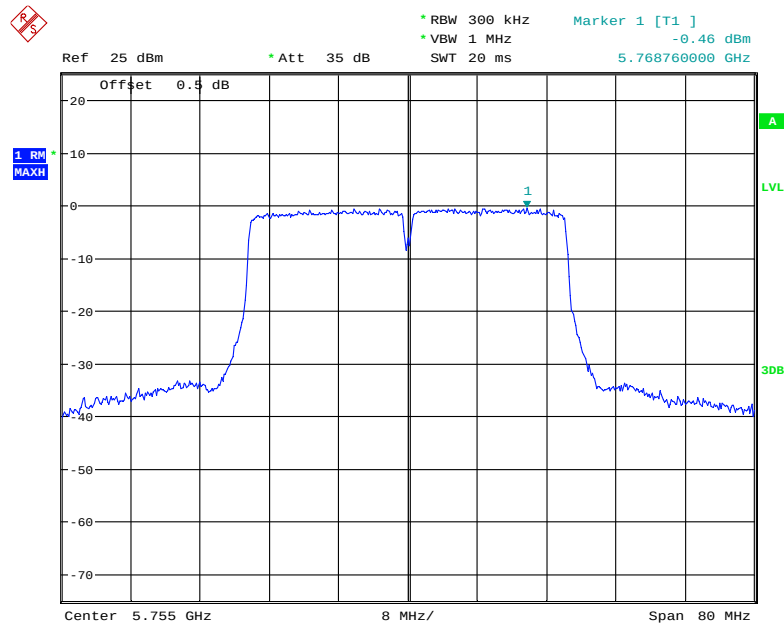
Date: 2.NOV.2017 20:22:11

Chain 1, 802.11n ac20 High Channel



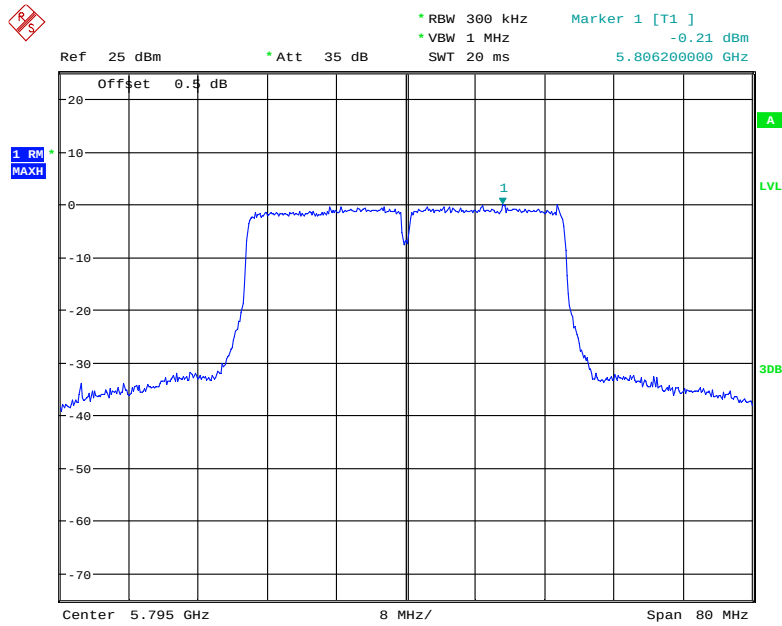
Date: 2.NOV.2017 20:22:56

Chain 1, 802.11n ac40 Low Channel



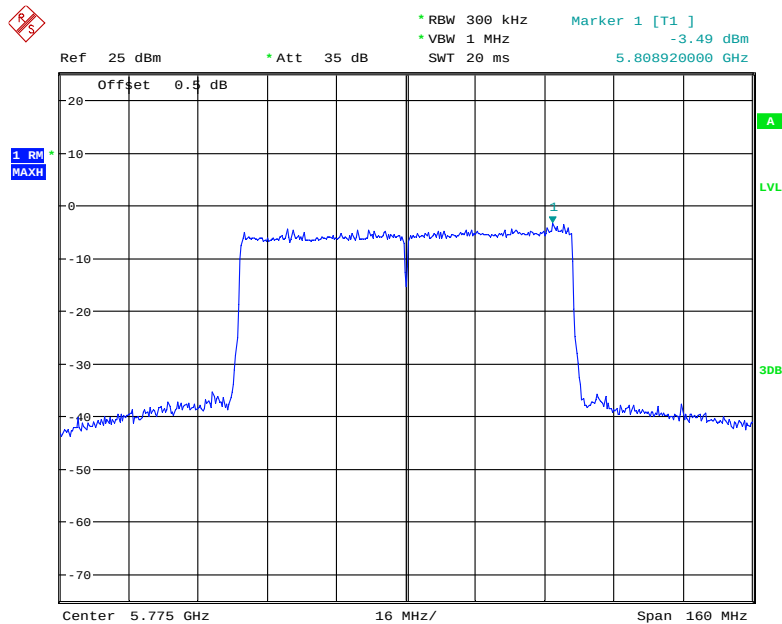
Date: 2.NOV.2017 21:30:18

Chain 1, 802.11n ac40 High Channel



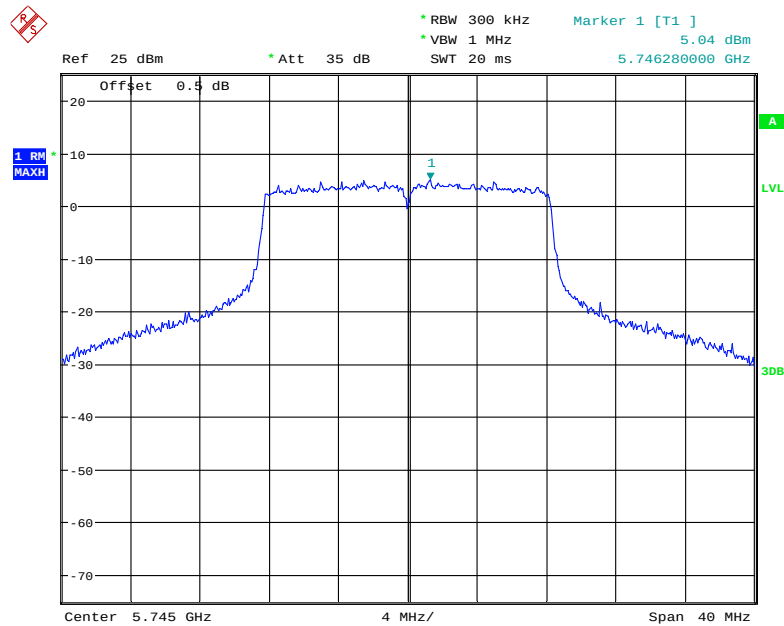
Date: 2.NOV.2017 21:31:15

Chain 1, 802.11ac80 Middle Channel



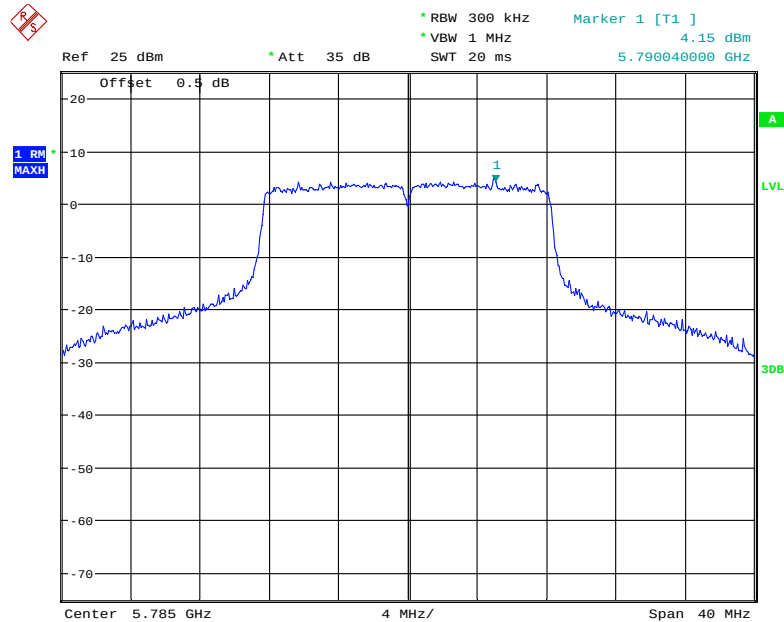
Date: 2.NOV.2017 23:14:21

Chain 2, 802.11a Low Channel



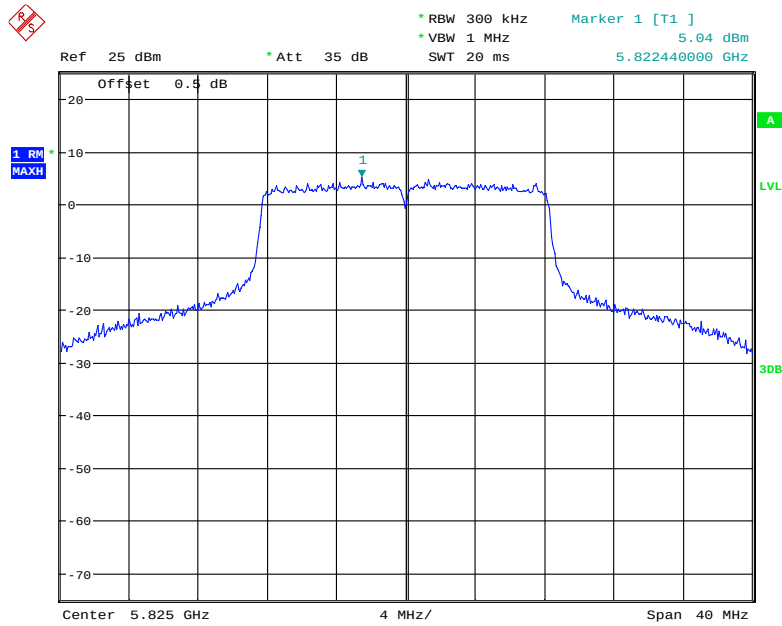
Date: 2.NOV.2017 17:44:47

Chain 2, 802.11a Middle Channel



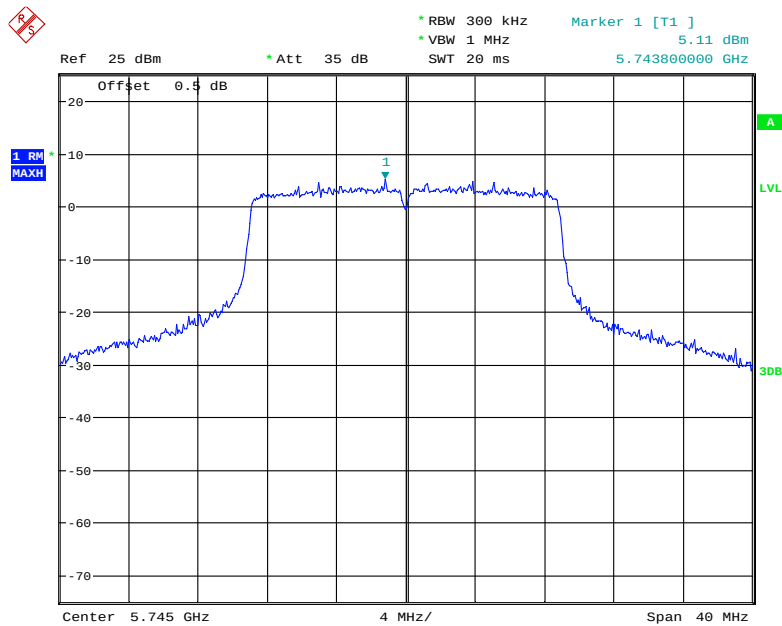
Date: 2.NOV.2017 17:44:02

Chain 2, 802.11a High Channel



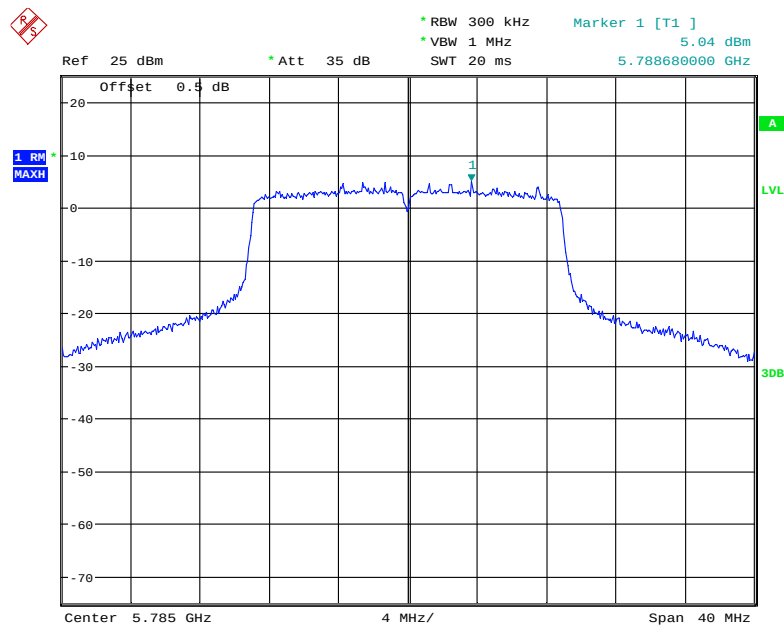
Date: 2.NOV.2017 17:42:46

Chain 2, 802.11n ht20 Low Channel



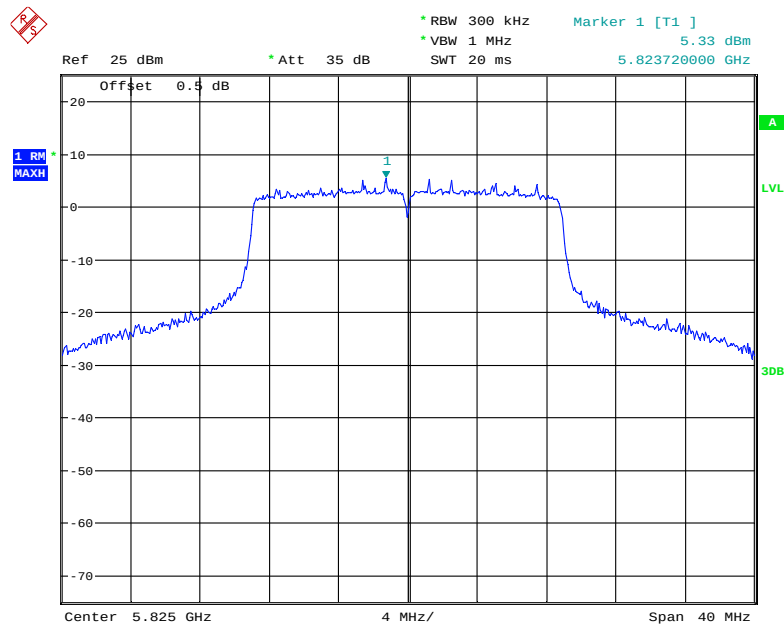
Date: 2.NOV.2017 18:01:55

Chain 2, 802.11n ht20 Middle Channel



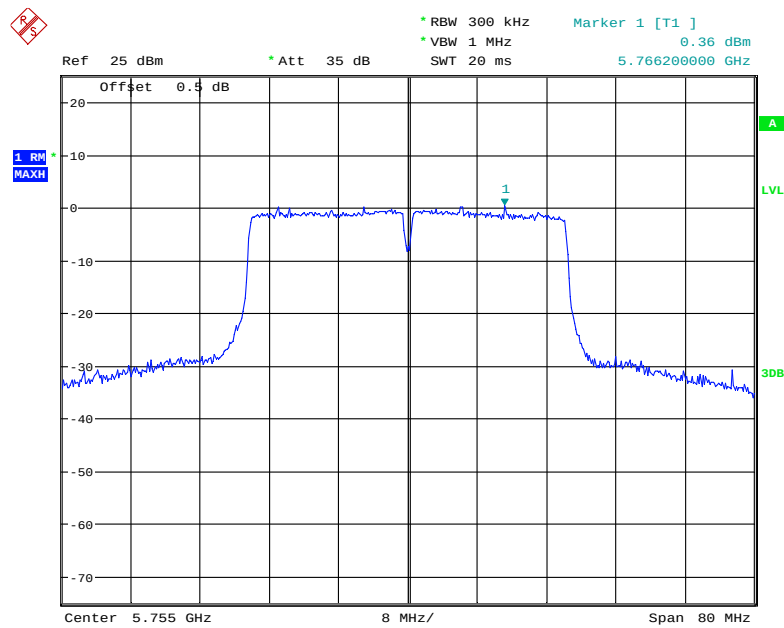
Date: 2.NOV.2017 18:02:49

Chain 2, 802.11n ht20 High Channel



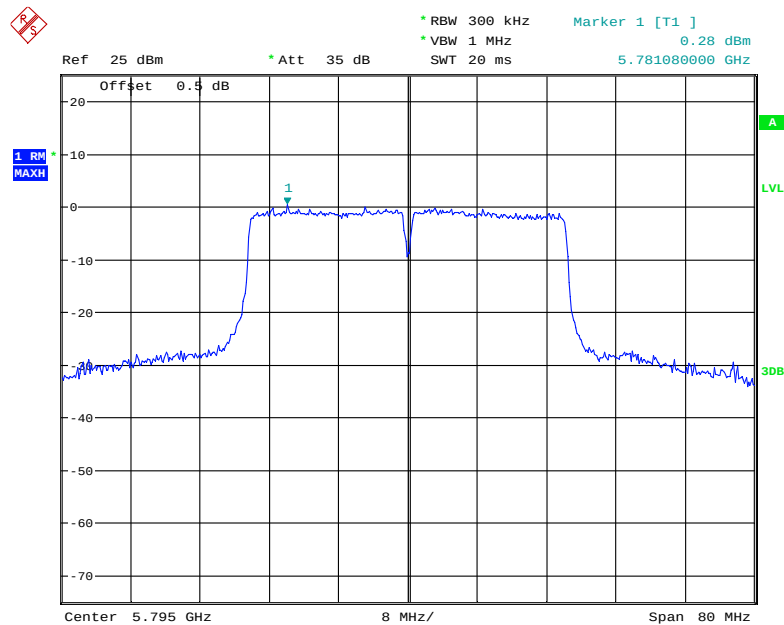
Date: 2.NOV.2017 18:03:17

Chain 2, 802.11n ht40 Low Channel



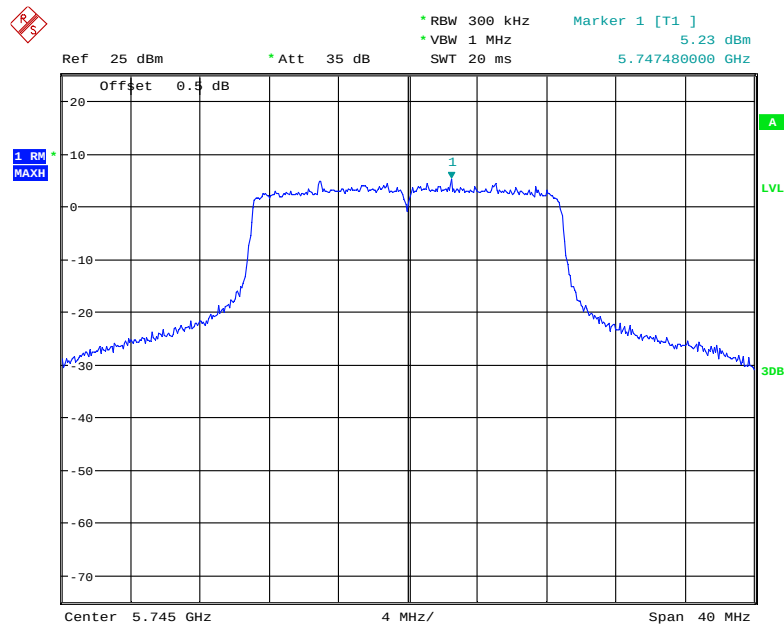
Date: 2.NOV.2017 21:24:06

Chain 2, 802.11n ht40 High Channel



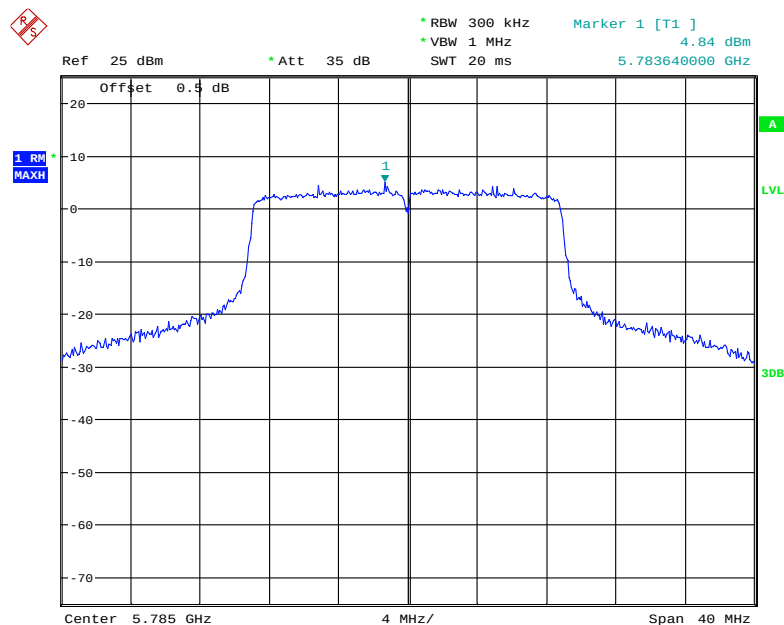
Date: 2.NOV.2017 21:15:47

Chain 2, 802.11n ac20 Low Channel



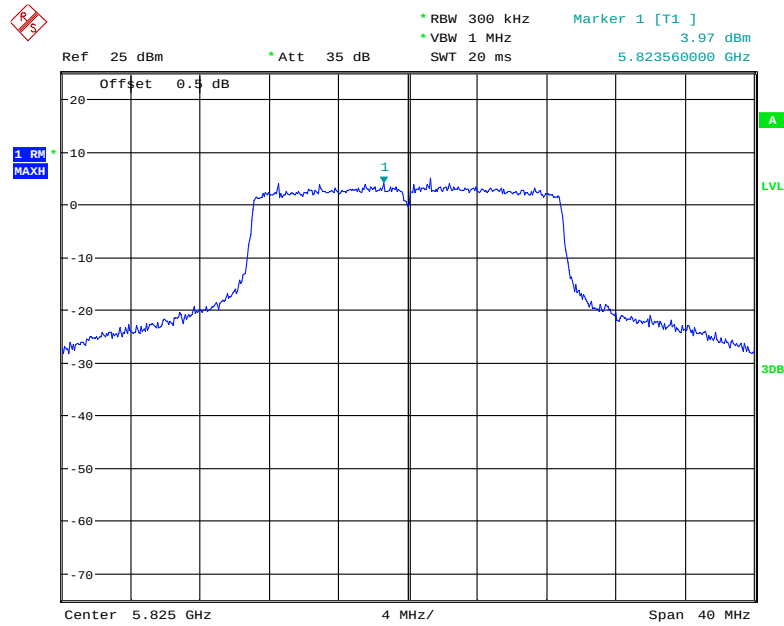
Date: 2.NOV.2017 20:19:54

Chain 2, 802.11n ac20 Middle Channel



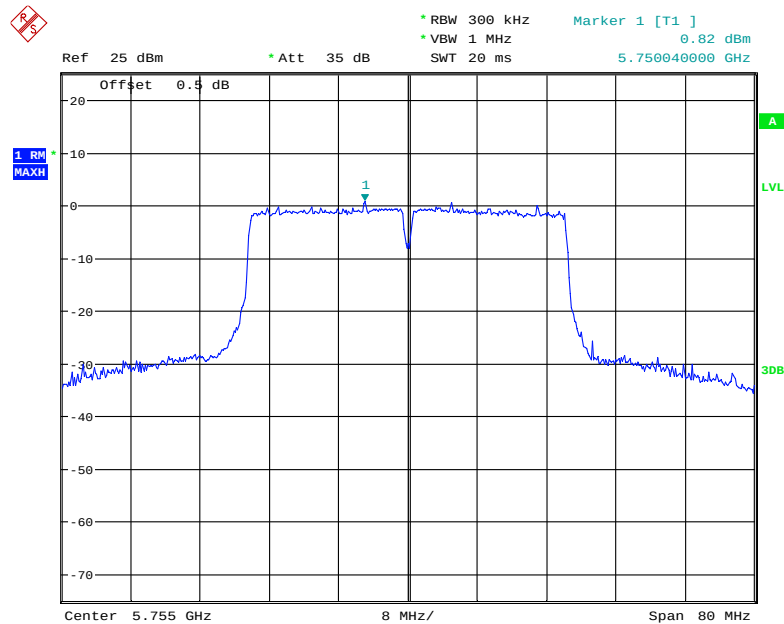
Date: 2.NOV.2017 20:19:24

Chain 2, 802.11n ac20 High Channel



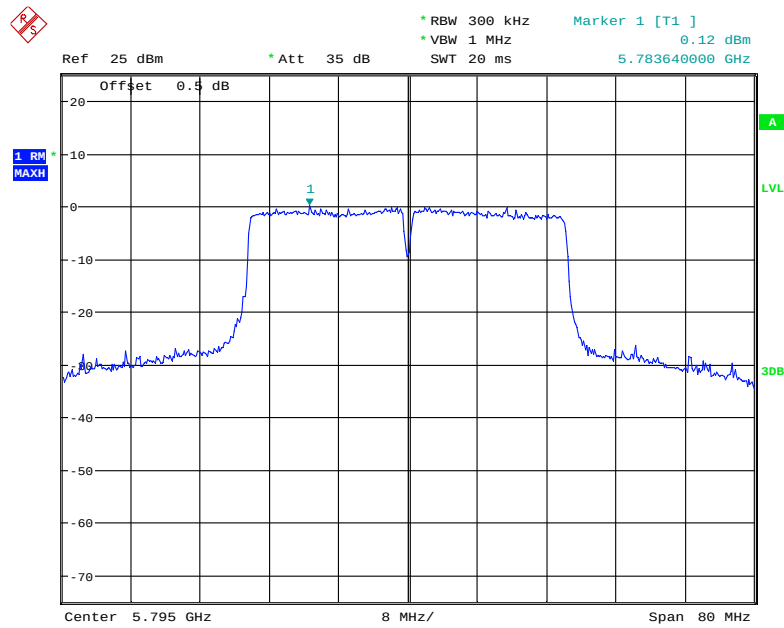
Date: 2.NOV.2017 20:18:31

Chain 2, 802.11n ac40 Low Channel



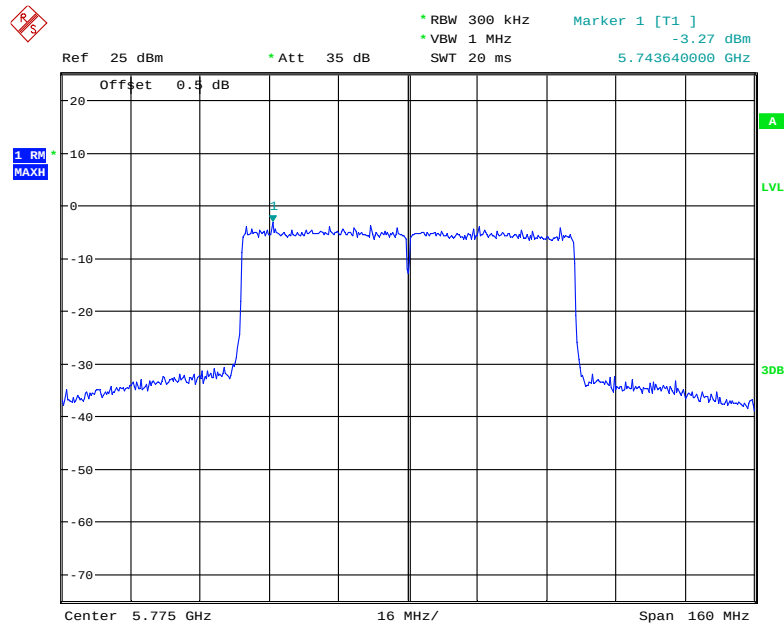
Date: 2.NOV.2017 21:29:20

Chain 2, 802.11n ac40 High Channel



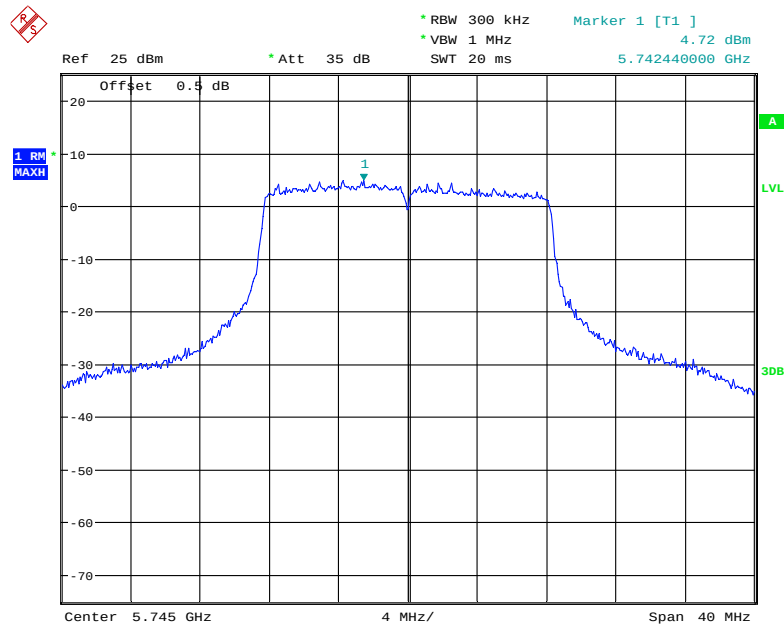
Date: 2.NOV.2017 21:27:51

Chain 2, 802.11ac80 Middle Channel



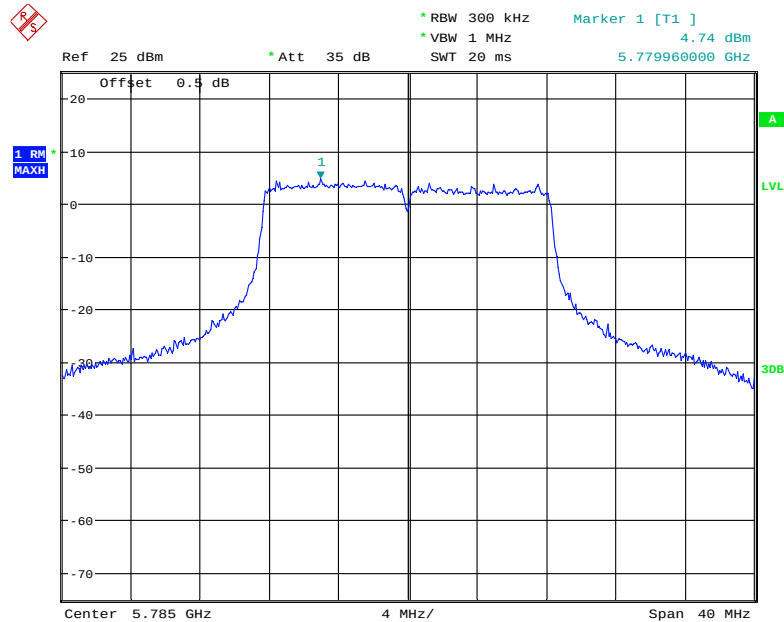
Date: 2.NOV.2017 23:15:28

Chain 3, 802.11a Low Channel



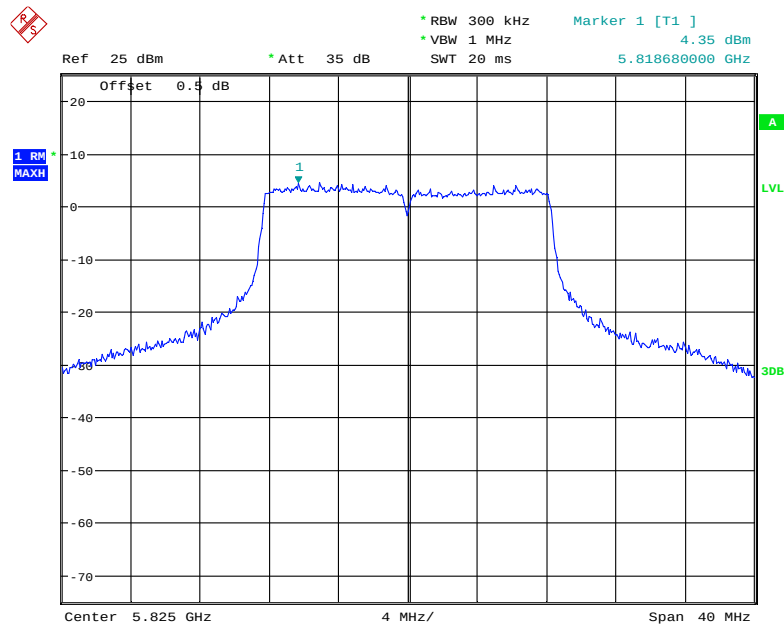
Date: 2.NOV.2017 17:38:17

Chain 3, 802.11a Middle Channel



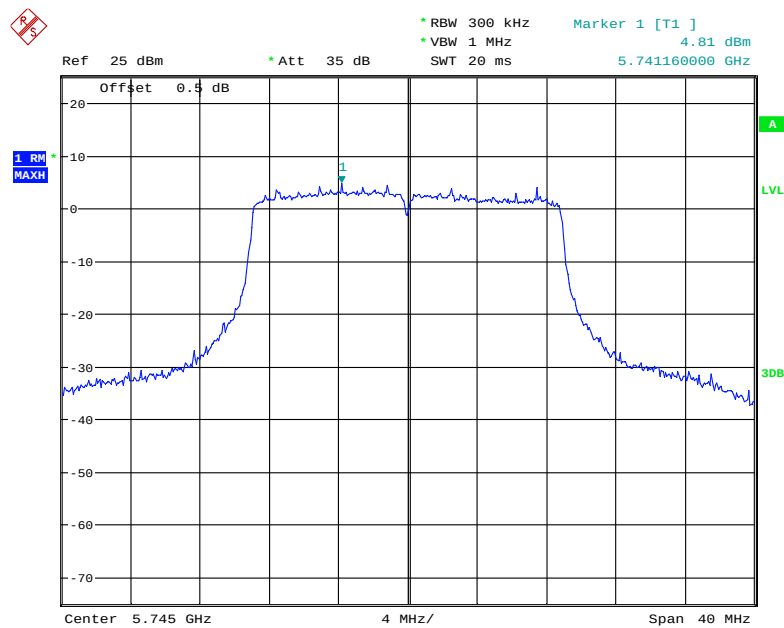
Date: 2.NOV.2017 17:39:25

Chain 3, 802.11a High Channel



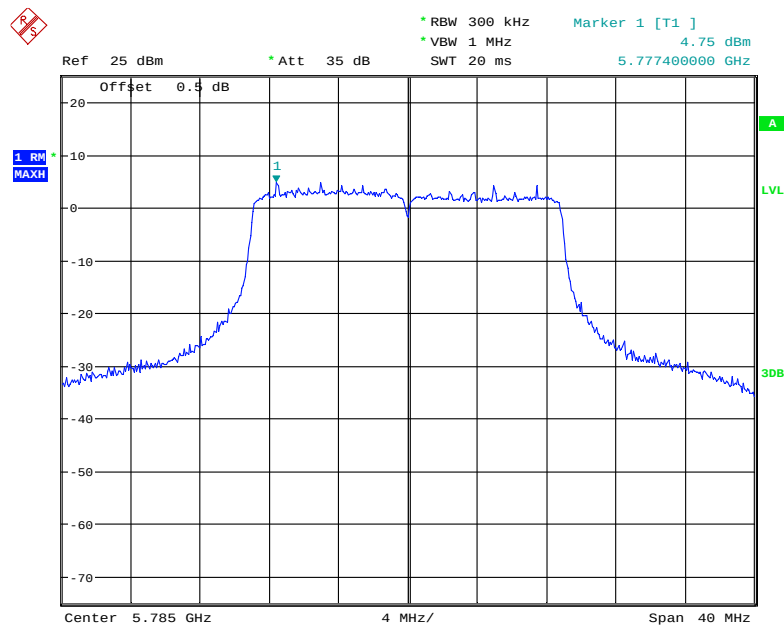
Date: 2.NOV.2017 17:40:58

Chain 3, 802.11n ht20 Low Channel



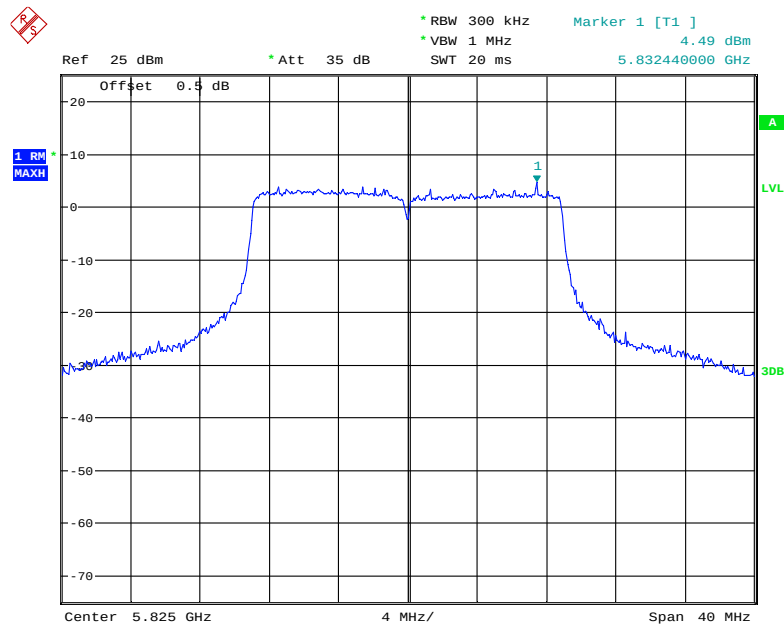
Date: 2.NOV.2017 18:06:51

Chain 3, 802.11n ht20 Middle Channel



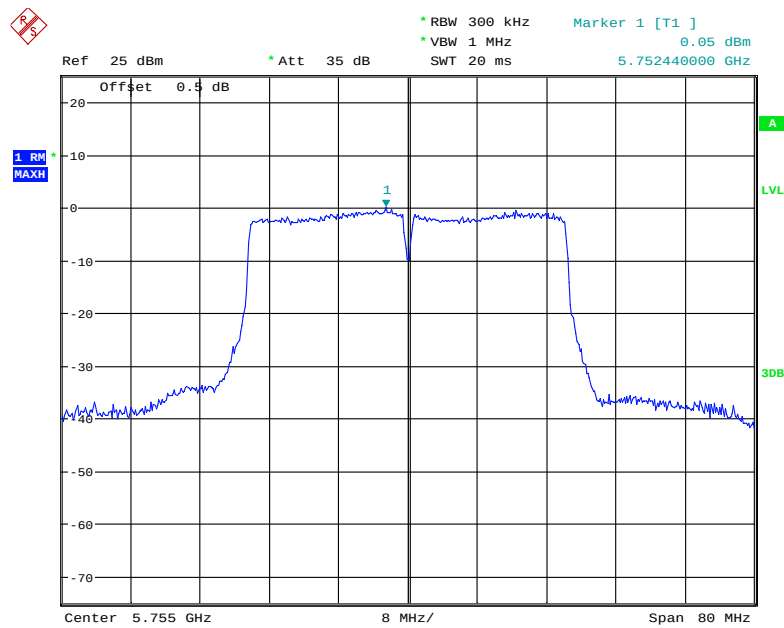
Date: 2.NOV.2017 18:05:49

Chain 3, 802.11n ht20 High Channel



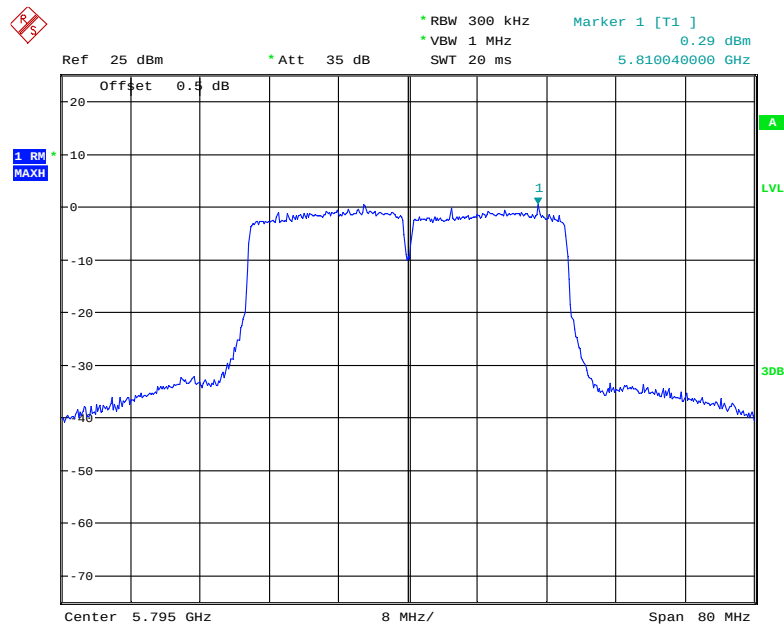
Date: 2.NOV.2017 18:04:18

Chain 3, 802.11n ht40 Low Channel



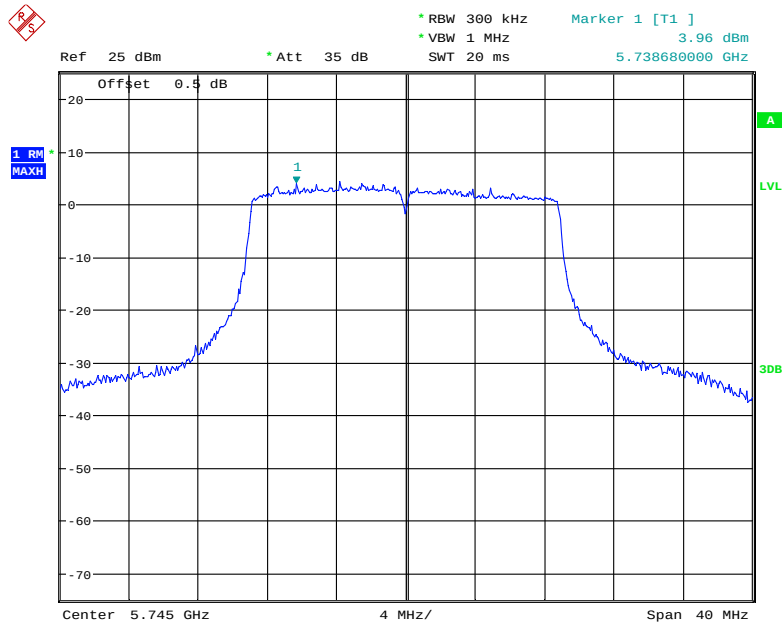
Date: 2.NOV.2017 21:19:40

Chain 3, 802.11n ht40 High Channel



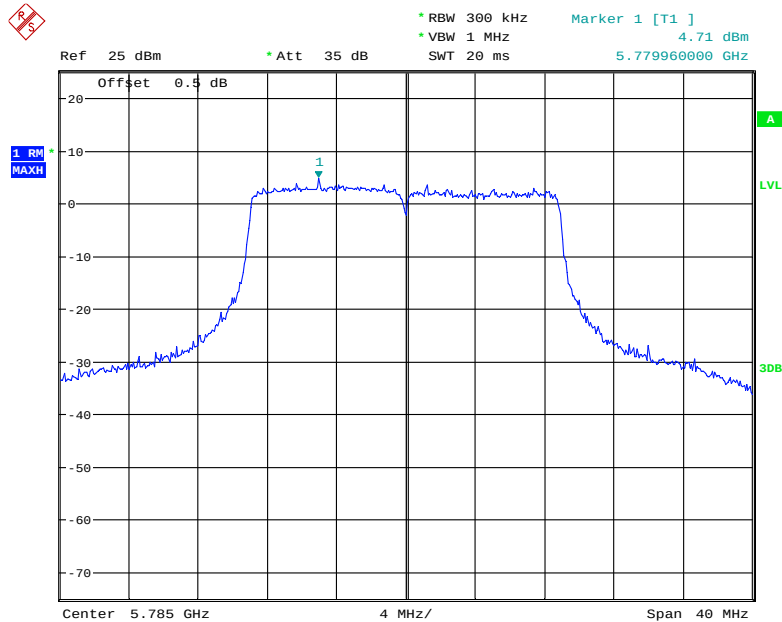
Date: 2.NOV.2017 21:18:33

Chain 3, 802.11n ac20 Low Channel



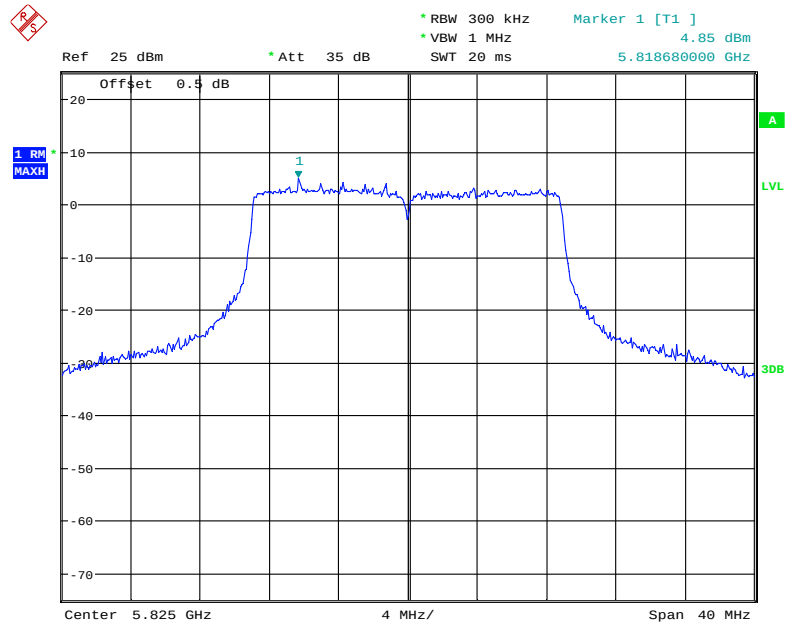
Date: 2.NOV.2017 20:15:38

Chain 3, 802.11n ac20 Middle Channel



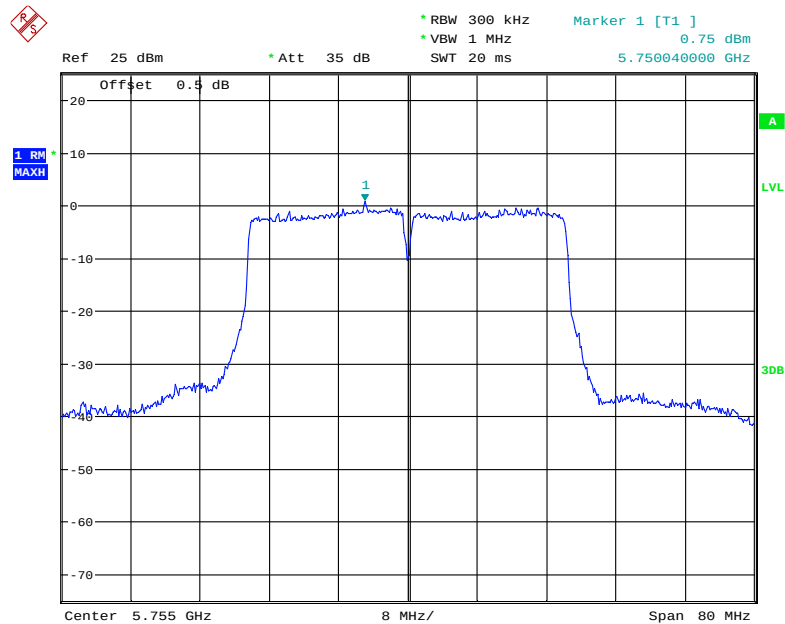
Date: 2.NOV.2017 20:16:56

Chain 3, 802.11n ac20 High Channel



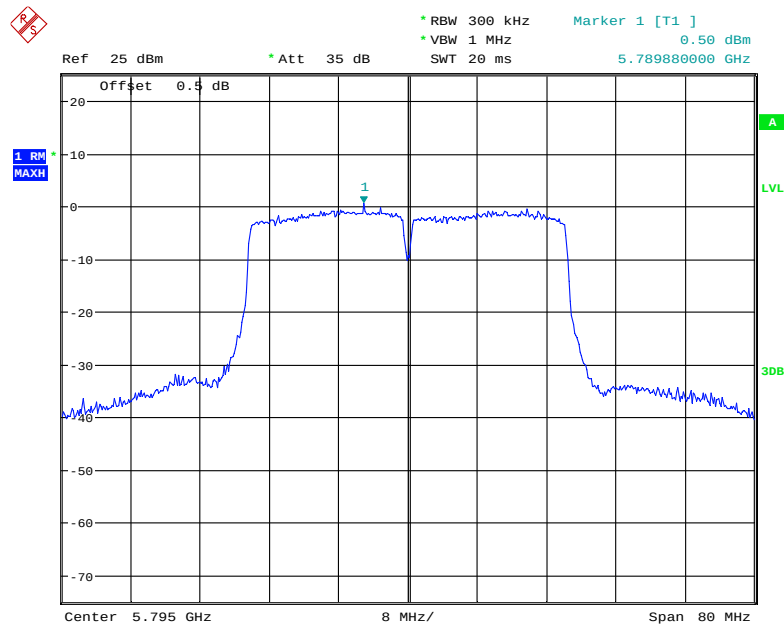
Date: 2.NOV.2017 20:17:36

Chain 3, 802.11n ac40 Low Channel



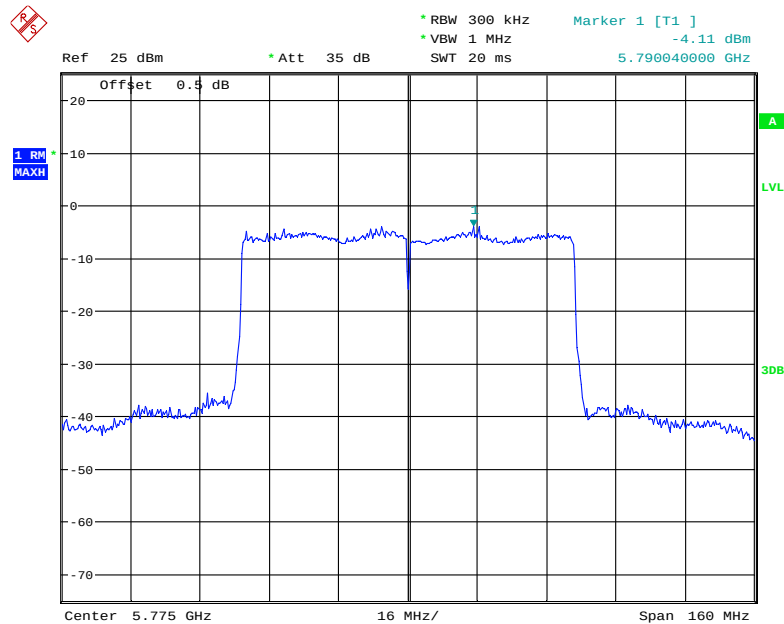
Date: 2.NOV.2017 21:25:44

Chain 3, 802.11n ac40 High Channel



Date: 2.NOV.2017 21:26:49

Chain 3, 802.11ac80 Middle Channel



Date: 2.NOV.2017 23:16:55

END OF REPORT