



# FCC PART 15.407

## TEST REPORT

For

### Huawei Technologies Co.,Ltd

Administration Building, Headquarters of Huawei Technologies Co.,Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

**Test Model: R250D-E**  
**FCC ID: QISR250D-E**

<b>Report Type:</b> Original Report	<b>Product Name:</b> Remote Unit
<b>Test Engineer:</b> <u>Lorin Bian</u>	<i>Lorin Bian</i>
<b>Report Number:</b> <u>RDG161107002C</u>	
<b>Report Date:</b> <u>2016-12-23</u>	
<b>Reviewed By:</b> <u>Henry Ding</u> EMC Leader	<i>Henry Ding</i>
<b>Test Laboratory:</b> Bay Area Compliance Laboratories Corp. (Chengdu) 5040, HuiLongWan Plaza, No. 1, ShaWan Road, JinNiu District, ChengDu, China Tel: 028-65523123, Fax: 028-65525125 www.baclcorp.com	

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## GENERAL INFORMATION

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### Product Description for Equipment under Test (EUT)

The **Huawei Technologies Co.,Ltd**'s product, model number: **R250D-E (FCC ID: QISR250D-E)** (the "EUT") in this report was a **Remote Unit**, which was measured approximately: 8.6 cm (L) x 14 cm (W) x 3.6 cm (H), rated input voltage: DC 48V from adapter or DC -48V from POE port.

#### Adapter Information:

Model No: HW-100-48AC14D

AC Input: 100-240Vac, 50-60Hz, 2A

DC Output: 48V 2.08A

*\*All measurement and test data in this report was gathered from final production sample, serial number: 161107002 (assigned by the BACL, Chengdu). It may have deviation from any other sample. The EUT supplied by the applicant was received on 2016-11-18, and EUT conformed to test requirement.*

### 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, B and E of the Federal Communications Commission's rules.

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

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

FCC Part 15C DTS submissions with FCC ID: QISR250D-E.

FCC Part 15B JBP submissions with FCC ID: QISR250D-E.

### 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.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Chengdu). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

The uncertainty of any RF tests which use conducted method measurement is  $\pm 3.17$  dB, the uncertainty of any radiation on emissions measurement is:

30M~200MHz:  $\pm 4.7$  dB;

200M~1GHz:  $\pm 6.0$  dB;

1G~6GHz:  $\pm 5.13$ dB;

6G~25GHz:  $\pm 5.47$ dB;

And the uncertainty will not be taken into consideration for all test data recorded in the report.

## **Test Facility**

The test site used by BACL to collect test data is located in the 5040, HuiLongWan Plaza, No. 1, ShaWan Road, JinNiu District, ChengDu, China

Test site at BACL has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on April 24, 2015. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 560332. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

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

The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80, 802.11n and 802.11ac 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 5250~5350 MHz band, 7 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
54	5270	62	5310
56	5280	64	5320
58	5290	/	/

For 5470~5725MHz band, 21 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	124	5620
102	5510	126	5630
104	5520	128	5640
106	5530	132	5660
108	5540	134	5670
110	5550	136	5680
112	5560	138	5690
116	5580	140	5700
118	5590	142	5710
120	5600	144	5720
122	5610	/	/

Channel 144 for 802.11a, n ht20,ac vht20, 142 for 802.11n ht40, ac vht40, 138 for ac80 crossed the band U-NII 2C to U-NII 3, were chosed to test for compliance requirement.

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 device support 2TX for all modes, 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 difference data rate and all the possible configurations, the worst cases as below table and shown in the report.

Configurations	Test Mode	Data Rate	Channel	Antenna Chain
SISO	802.11a	6Mbps	36, 40, 48, 52, 56, 64,100, 120, 140, 144, 149,157, 165	0, 1
	802.11n ht20	MCS0_20	36, 40, 48, 52, 56, 64,100, 120, 140, 144, 149,157, 165	0, 1
	802.11n ht40	MCS0_40	38, 46, 54, 62, 102, 118, 134, 142, 151, 159	0, 1
	802.11ac 20	AC-MCS0_20	36, 40, 48, 52, 56, 64,100, 120, 140, 144, 149,157, 165	0, 1
	802.11ac 40	AC-MCS0_40	38, 46, 54, 62,102, 118, 134, 142,151, 159	0, 1
	802.11ac 80	AC-MCS0_80	42, 58, 106, 122, 138, 155	0, 1
2TX Non-Beamforming	802.11a	6Mbps	36, 40, 48, 52, 56, 64,100, 120, 140, 144, 149,157, 165	0+1
	802.11n ht20	MCS0_20	36, 40, 48, 52, 56, 64,100, 120, 140, 144, 149,157, 165	0+1
	802.11n ht40	MCS0_40	38, 46, 54, 62, 102, 118, 134, 142, 151, 159	0+1
	802.11ac 20	AC-MCS0_20	36, 40, 48, 52, 56, 64,100, 120, 140, 144, 149,157, 165	0+1
	802.11ac 40	AC-MCS0_40	38, 46, 54, 62,102, 118, 134, 142,151, 159	0+1
	802.11ac 80	AC-MCS0_80	42, 58, 106, 122, 138, 155	0+1
2TX With Beamforming	802.11n ht20	MCS0_20	36, 40, 48, 52, 56, 64,100, 120, 140, 144, 149,157, 165	0+1
	802.11n ht40	MCS0_40	36, 40, 48, 52, 56, 64,100, 120, 140, 144, 149,157, 165	0+1
	802.11ac 20	AC-MCS0_20	38, 46, 54, 62, 102, 118, 134, 142, 151, 159	0+1
	802.11ac 40	AC-MCS0_40	36, 40, 48, 52, 56, 64,100, 120, 140, 144, 149,157, 165	0+1
	802.11ac 80	AC-MCS0_80	38, 46, 54, 62,102, 118, 134, 142,151, 159	0+1

### EUT Exercise Software

The IPOR&QSPR was used for testing, and the commands were provided by manufacturer. The maximum power and duty cycle was set by commands as following table:

**SISO:**

Software and version				IPOR&QRCT		
UNII Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Level	
					Chain 0	Chain 1
5150-5250MHz	802.11 a	Low	5180	6	17	17
		Middle	5200	6	17	17
		High	5240	6	17	17
	802.11 n20	Low	5180	HT20	17	17
		Middle	5200	HT20	17	17
		High	5240	HT20	17	17
	802.11 ac20	Low	5180	VHT20	17	17
		Middle	5200	VHT20	17	17
		High	5240	VHT20	17	17
	802.11 n40	Low	5190	HT40+	15	15
		High	5230	HT40+	15	15
	802.11 ac40	Low	5190	VHT40+	15	15
High		5230	VHT40+	15	15	
802.11 ac80	Middle	5210	VHT80	14	14	
5250-5350MHz	802.11 a	Low	5260	6	17	17
		Middle	5280	6	17	17
		High	5320	6	17	17
	802.11 n20	Low	5260	HT20	17	17
		Middle	5280	HT20	17	17
		High	5320	HT20	17	17
	802.11 ac20	Low	5260	VHT20	17	17
		Middle	5280	VHT20	17	17
		High	5320	VHT20	17	17
	802.11 n40	Low	5270	HT40+	15	15
		High	5310	HT40+	15	15
	802.11 n40	Low	5270	VHT40+	15	15
High		5310	VHT40+	15	15	
802.11 ac80	Middle	5290	VHT80	14	14	

Software and version				IPOR&QRCT		
UNII Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Level	
					Chain 0	Chain 1
5470-5725MHz	802.11 a	Low	5500	6	17	17
		Middle	5600	6	17	17
		High	5700	6	17	17
		crossed	5720	6	17	17
	802.11 n20	Low	5500	HT20	17	17
		Middle	5600	HT20	17	17
		High	5700	HT20	17	17
		crossed	5720	HT20	17	17
	802.11 ac20	Low	5500	VHT20	17	17
		Middle	5600	VHT20	17	17
		High	5700	VHT20	17	17
		crossed	5720	VHT20	17	17
	802.11 n40	Low	5510	HT40+	15	15
		Middle	5590	HT40+	15	15
		High	5670	HT40+	15	15
		crossed	5710	HT40+	15	15
	802.11 ac40	Low	5510	VHT40+	15	15
		Middle	5590	VHT40+	15	15
		High	5670	VHT40+	15	15
		crossed	5710	VHT40+	15	15
	802.11 ac80	Low	5530	VHT80	14	14
		High	5610	VHT80	14	14
		crossed	5690	VHT80	14	14
	5725-5850MHz	802.11 a	Low	5745	6	17
Middle			5785	6	17	17
High			5825	6	17	17
802.11 n20		Low	5745	MCS0	17	17
		Middle	5785	MCS0	17	17
		High	5825	MCS0	17	17
802.11 ac20		Low	5745	MCS0	17	17
		Middle	5785	MCS0	17	17
		High	5825	MCS0	17	17
802.11 n40		Low	5755	MCS0	15	15
		High	5795	MCS0	15	15
802.11 ac40		Low	5755	MCS0	15	15
		High	5795	MCS0	15	15
802.11 ac80		Middle	5775	MCS0	14	14

**2TX, Non-beamforming:**

Software and version				IPOR&QRCT		
UNII Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Level	
					Chain 0	Chain 1
5150-5250MHz	802.11 a	Low	5180	6	17	17
		Middle	5200	6	17	17
		High	5240	6	17	17
	802.11 n20	Low	5180	HT20	17	17
		Middle	5200	HT20	17	17
		High	5240	HT20	17	17
	802.11 ac20	Low	5180	VHT20	17	17
		Middle	5200	VHT20	17	17
		High	5240	VHT20	17	17
	802.11 n40	Low	5190	HT40+	15	15
		High	5230	HT40+	15	15
	802.11 ac40	Low	5190	VHT40+	15	15
		High	5230	VHT40+	15	15
	802.11 ac80	Middle	5210	VHT80	14	14
5250-5350MHz	802.11 a	Low	5260	6	15	15
		Middle	5280	6	15	15
		High	5320	6	15	15
	802.11 n20	Low	5260	HT20	16	16
		Middle	5280	HT20	16	16
		High	5320	HT20	16	16
	802.11 ac20	Low	5260	VHT20	16	16
		Middle	5280	VHT20	16	16
		High	5320	VHT20	16	16
	802.11 n40	Low	5270	HT40+	15	15
		High	5310	HT40+	15	15
	802.11 n40	Low	5270	VHT40+	15	15
		High	5310	VHT40+	15	15
	802.11 ac80	Middle	5290	VHT80	14	14

Software and version				IPOR&QRCT		
UNII Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Level	
					Chain 0	Chain 1
5470-5725MHz	802.11 a	Low	5500	6	15	15
		Middle	5600	6	15	15
		High	5700	6	15	15
		crossed	5720	6	15	15
	802.11 n20	Low	5500	HT20	15	15
		Middle	5600	HT20	15	15
		High	5700	HT20	15	15
		crossed	5720	HT20	15	15
	802.11 ac20	Low	5500	VHT20	15	15
		Middle	5600	VHT20	15	15
		High	5700	VHT20	15	15
		crossed	5720	VHT20	15	15
	802.11 n40	Low	5510	HT40+	15	15
		Middle	5590	HT40+	15	15
		High	5670	HT40+	15	15
		crossed	5710	HT40+	15	15
	802.11 ac40	Low	5510	VHT40+	15	15
		Middle	5590	VHT40+	15	15
		High	5670	VHT40+	15	15
		crossed	5710	VHT40+	15	15
802.11 ac80	Low	5530	VHT80	14	14	
	High	5610	VHT80	14	14	
	crossed	5690	VHT80	14	14	
5725-5850MHz	802.11 a	Low	5745	6	17	17
		Middle	5785	6	17	17
		High	5825	6	17	17
	802.11 n20	Low	5745	MCS0	17	17
		Middle	5785	MCS0	17	17
		High	5825	MCS0	17	17
	802.11 ac20	Low	5745	MCS0	17	17
		Middle	5785	MCS0	17	17
		High	5825	MCS0	17	17
	802.11 n40	Low	5755	MCS0	15	15
		High	5795	MCS0	15	15
	802.11 ac40	Low	5755	MCS0	15	15
		High	5795	MCS0	15	15
802.11 ac80	Middle	5775	MCS0	14	14	

**2TX, With-beamforming:**

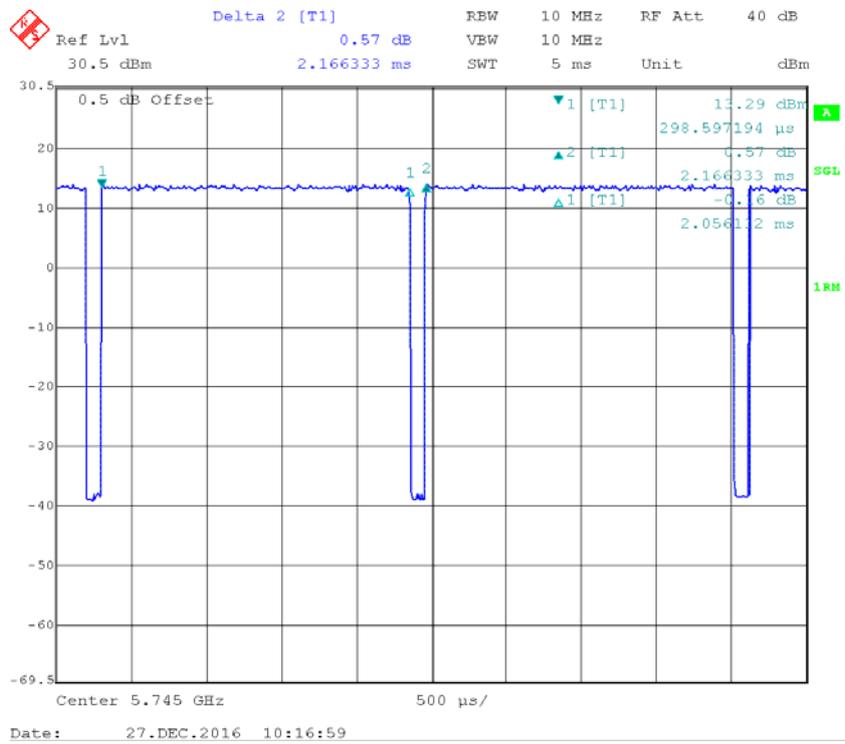
Software and version				IPOR&QRCT		
UNII Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Level	
					Chain 0	Chain 1
5150-5250MHz	802.11 n20	Low	5180	HT20	17	17
		Middle	5200	HT20	17	17
		High	5240	HT20	17	17
	802.11 ac20	Low	5180	VHT20	17	17
		Middle	5200	VHT20	17	17
		High	5240	VHT20	17	17
	802.11 n40	Low	5190	HT40+	15	15
		High	5230	HT40+	15	15
	802.11 ac40	Low	5190	VHT40+	15	15
		High	5230	VHT40+	15	15
	802.11 ac80	Middle	5210	VHT80	14	14
	5250-5350MHz	802.11 n20	Low	5260	HT20	16
Middle			5280	HT20	16	16
High			5320	HT20	16	16
802.11 ac20		Low	5260	VHT20	16	16
		Middle	5280	VHT20	16	16
		High	5320	VHT20	16	16
802.11 n40		Low	5270	HT40+	15	15
		High	5310	HT40+	15	15
802.11 n40		Low	5270	VHT40+	15	15
		High	5310	VHT40+	15	15
802.11 ac80		Middle	5290	VHT80	14	14

Software and version				IPOR&QRCT		
UNII Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Level	
					Chain 0	Chain 1
5470-5725MHz	802.11 n20	Low	5500	HT20	15	15
		Middle	5600	HT20	15	15
		High	5700	HT20	15	15
		crossed	5720	HT20	15	15
	802.11 ac20	Low	5500	VHT20	15	15
		Middle	5600	VHT20	15	15
		High	5700	VHT20	15	15
		crossed	5720	VHT20	15	15
	802.11 n40	Low	5510	HT40+	15	15
		Middle	5590	HT40+	15	15
		High	5670	HT40+	15	15
		crossed	5710	HT40+	15	15
	802.11 ac40	Low	5510	VHT40+	15	15
		Middle	5590	VHT40+	15	15
		High	5670	VHT40+	15	15
		crossed	5710	VHT40+	15	15
	802.11 ac80	Low	5530	VHT80	14	14
		High	5610	VHT80	14	14
		crossed	5690	VHT80	14	14
	5725-5850MHz	802.11 a	Low	5745	6	17
Middle			5785	6	17	17
High			5825	6	17	17
802.11 n20		Low	5745	MCS0	17	17
		Middle	5785	MCS0	17	17
		High	5825	MCS0	17	17
802.11 ac20		Low	5745	MCS0	17	17
		Middle	5785	MCS0	17	17
		High	5825	MCS0	17	17
802.11 n40		Low	5755	MCS0	15	15
		High	5795	MCS0	15	15
802.11 ac40		Low	5755	MCS0	15	15
		High	5795	MCS0	15	15
802.11 ac80		Middle	5775	MCS0	14	14

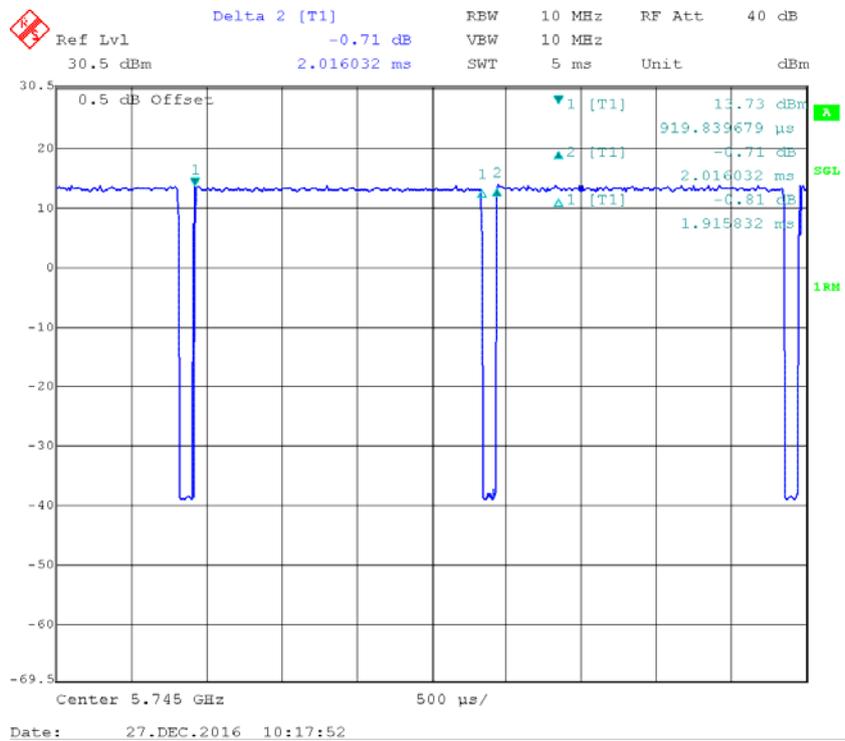
The duty cycle as below:

Mode	T <sub>on</sub> (ms)	T <sub>on+off</sub> (ms)	Duty Cycle (%)	Duty Cycle Factor 10*log(1/x) (dB)	Minimum Transmission Duration (T) (ms)
802.11a	2.056	2.166	95	0.22	2.056
802.11n ht20	1.916	2.016	95	0.22	1.916
802.11 ac20	1.926	2.036	95	0.22	1.926
802.11n ht40	0.938	1.04	90	0.46	0.938
802.11 ac40	0.938	1.05	89	0.51	0.938
802.11 ac80	0.467	0.559	84	0.76	0.467

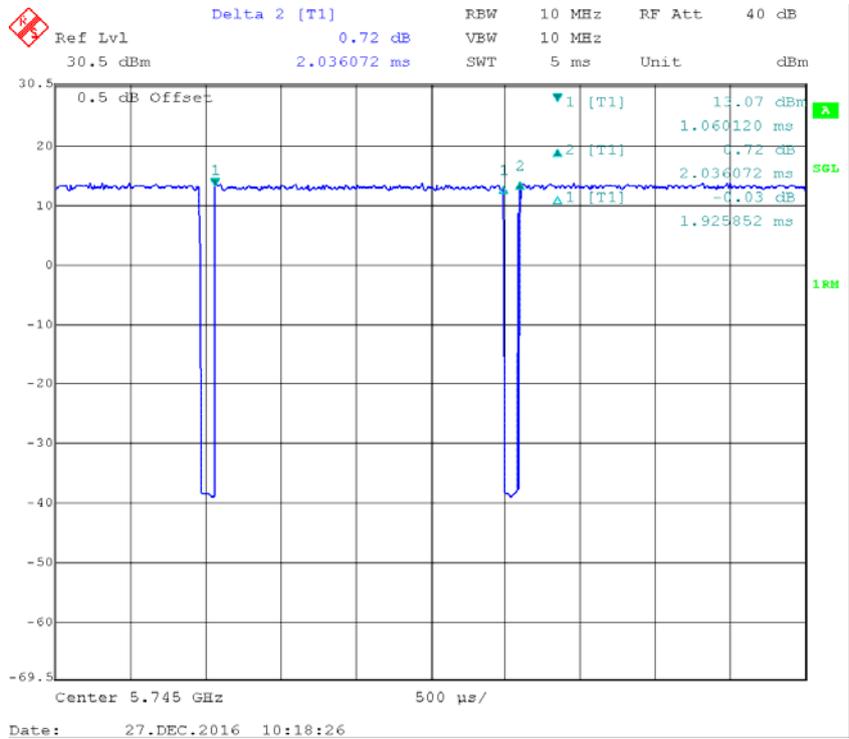
### 802.11a



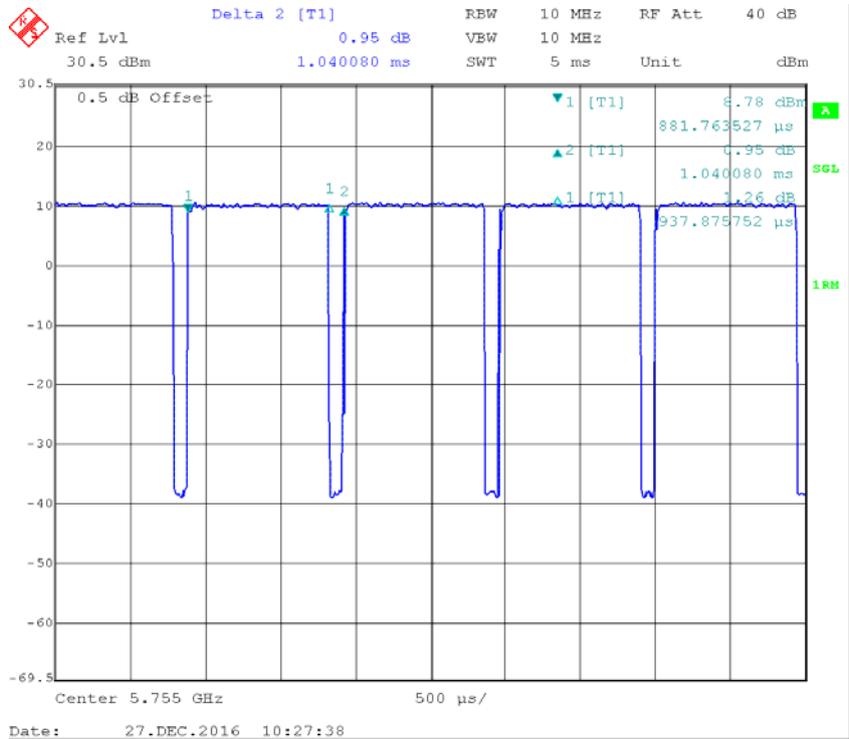
### 802.11n ht20



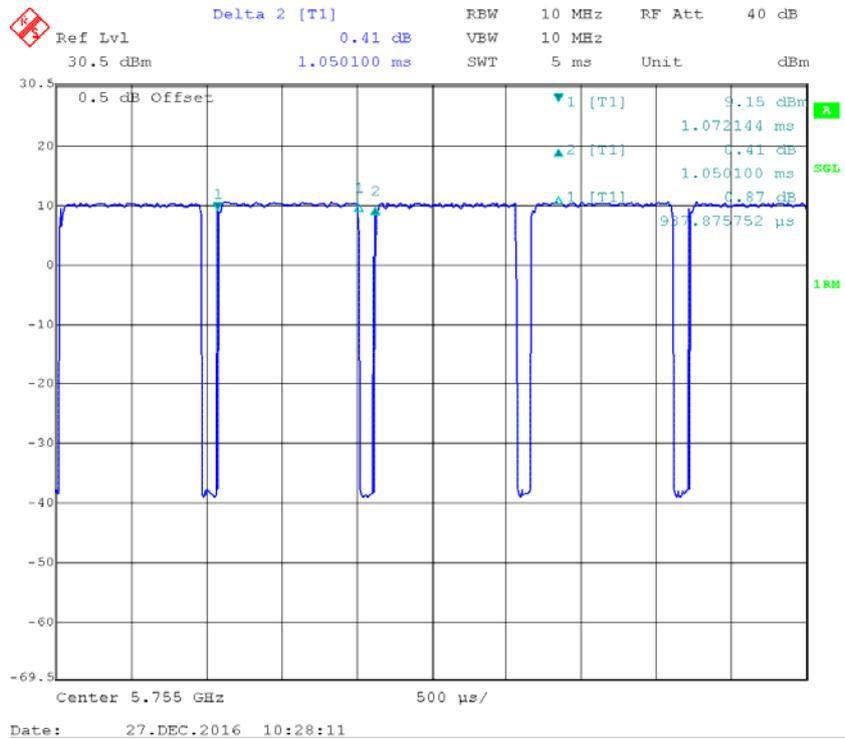
**802.11ac vht20**



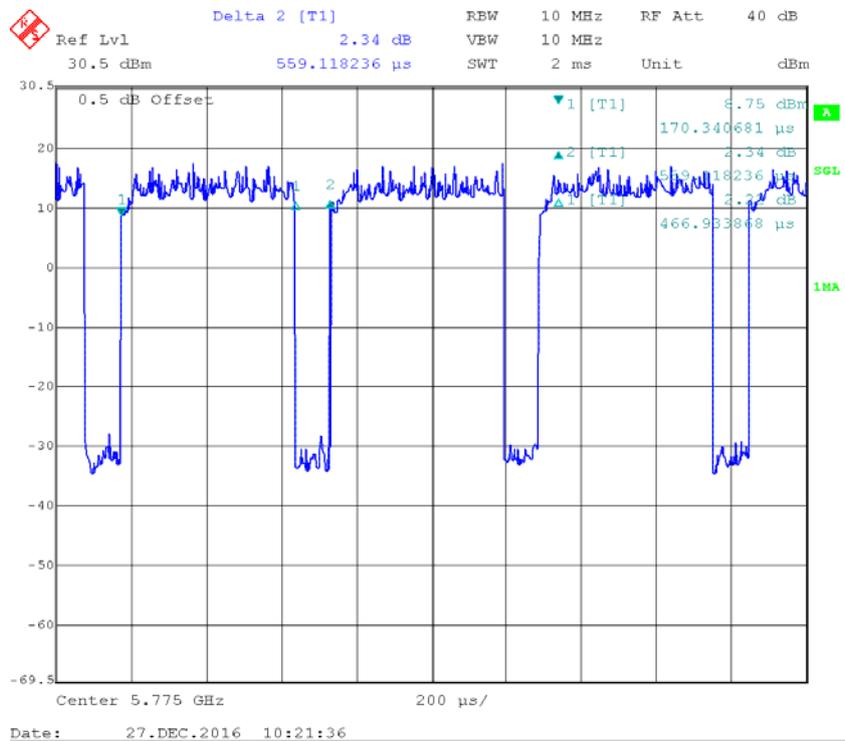
**802.11n ht40**



### 802.11ac vht 40



### 802.11ac80



### Equipment Modifications

No modification was made to the EUT.

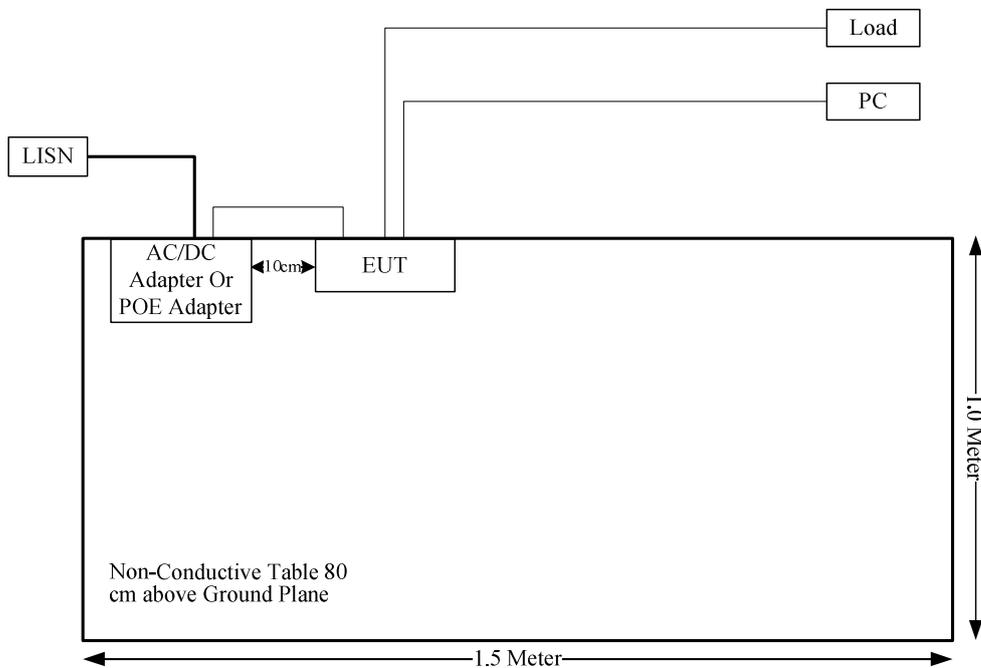
### Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
IBM	PC	8176	99Y7315
N/A	Load	N/A	/
Huawei	POE adapter	PoE35-54A	/

### External Cable

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	No	Yes	10	RJ45 Port of Laptop	EUT
RJ45 Cable*4	No	Yes	10	EUT	Load

### Block Diagram of Test Setup



## SUMMARY OF TEST RESULTS

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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) (1),(6),(7)	Undesirable Emission& Restricted Bands	Compliance
§15.407(b) (1),(2),(3),(4)	Out Of Band Emissions	Compliance
§15.407(a) (1)	26 dB Bandwidth	Compliance
§15.407(a)(1),	Conducted Transmitter Output Power	Compliance
§15.407 (a)(1),(5)	Power Spectral Density	Compliance
§15.407(H)	Dynamic Frequency Selection (DFS)	Compliance*

Compliance\*: please refer to the DFS test report: RDG161107002-00.

## 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 <sup>2</sup> )	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f <sup>2</sup> )	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.

### Calculated Formulary:

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$  = power density (in appropriate units, e.g. mW/cm<sup>2</sup>);

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:**

Mode	Frequency (MHz)	Antenna Gain		Tune-up Power		Evaluation Distance (cm)	Power Density (mW/cm <sup>2</sup> )	MPE Limit (mW/cm <sup>2</sup> )
		(dBi)	(numeric)	(dBm)	(mW)			
WLAN 2.4GHz	2412-2462	5.5	3.55	28	630.96	20.00	0.4456	1.0
WLAN 5GHz	5150-5850	5.4	3.47	20	100.00	20.00	0.0690	1.0
BLE	2402-2480	2.2	1.66	4	2.51	20.00	0.0008	1.0

The 2.4GHz and 5GHz band can transmit simultaneously:

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

$$= S_{2.4}/S_{limit-2.4} + S_5/S_{limit-5} + S_{BLE}/S_{BLE}$$

$$= 0.45/1 + 0.07/1 + 0.0008/1$$

$$= 0.5$$

$$< 1.0$$

**Result: Compliance,** The device meets MPE requirement for Devices Used by the General Public (Uncontrolled Environment) at distance ≥20 cm.

## **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 Information And Connector Construction**

<b>Ant.</b>	<b>Manufacturer</b>	<b>Model</b>	<b>Antenna Type</b>	<b>Connector</b>	<b>Frequency Range/Antenna Gain</b>
ANT 1 A	Hong Lin Kunshan	N/A	Internal	U.FL	5.5dBi/2.4GHz Band 5.4dBi/5GHz Band
ANT 2	HUAWEI	N/A	Internal	Printed	5.5dBi/2.4GHz Band 5.4dBi/5GHz Band
BLE	Hong Lin Kunshan	N/A	Internal	U.FL	2.2dBi/2.4GHz Band

**Result:** Compliance. Please refer to the EUT photos

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

### Applicable Standard

FCC §15.207, §15.407(b) (6).

### Measurement Uncertainty

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If  $U_{lab}$  is less than or equal to  $U_{cispr}$  of Table 1, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If  $U_{lab}$  is greater than  $U_{cispr}$  of Table 1, then:

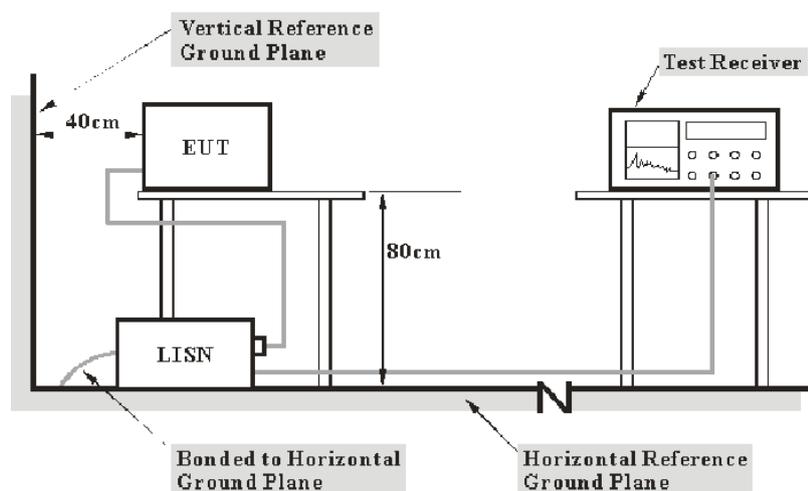
- compliance is deemed to occur if no measured disturbance level, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit.

Based on CISPR 16-4-2:2011, measurement uncertainty of conducted disturbance at mains port using AMN at Bay Area Compliance Laboratories Corp. (Chengdu) is  $\pm 3.17$  dB (150 kHz to 30 MHz).

Table 1 – Values of  $U_{cispr}$

Measurement	$U_{cispr}$
Conducted disturbance at mains port using AMN (150 kHz to 30 MHz)	3.4 dB

### 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 adapter was connected to 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 maximum 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
Rohde & Schwarz	EMI Test Receiver	ESCS 30	836858/0016	2016-12-02	2017-12-01
Rohde & Schwarz	L.I.S.N.	ENV216	3560.6550.06	2016-12-02	2017-12-01
Rohde & Schwarz	PULSE LIMITER	ESH3Z2	357.8810.52	2016-10-31	2017-10-30
N/A	Conducted Cable	NO.5	N/A	2016-11-10	2017-11-09
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A

\* **Statement of Traceability:** BACL (Chengdu) attested 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 adapter was connected to the first LISN and the other support equipments were connected to the outlet of the second 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 Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

## Test Data

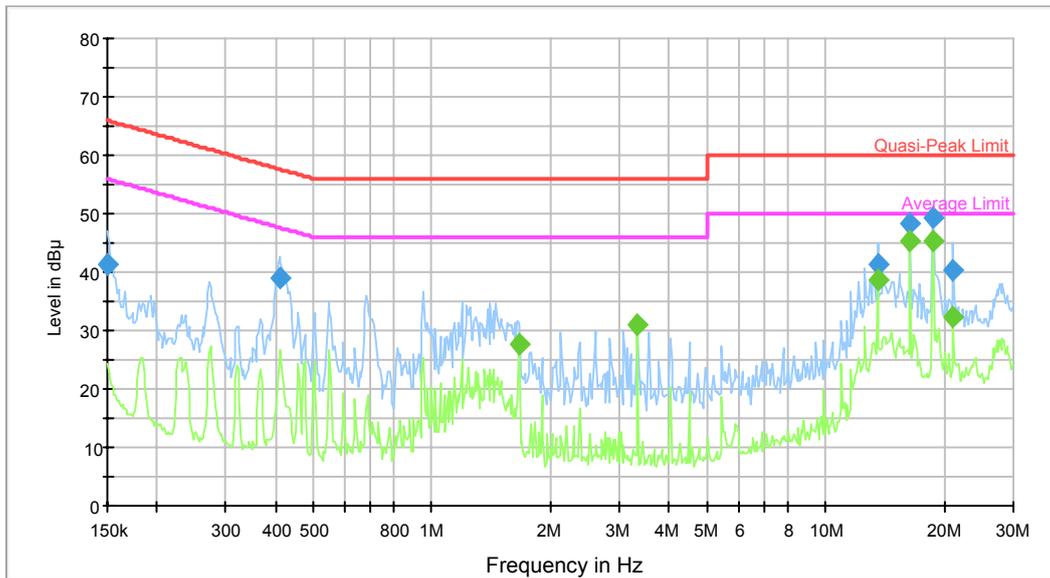
### Environmental Conditions

<b>Temperature:</b>	26.7 °C
<b>Relative Humidity:</b>	48 %
<b>ATM Pressure:</b>	101kPa

*The testing was performed by Lorin Bian on 2016-12-13.*

*Test Mode: Transmitting (AC/DC adapter mode was the worst)*

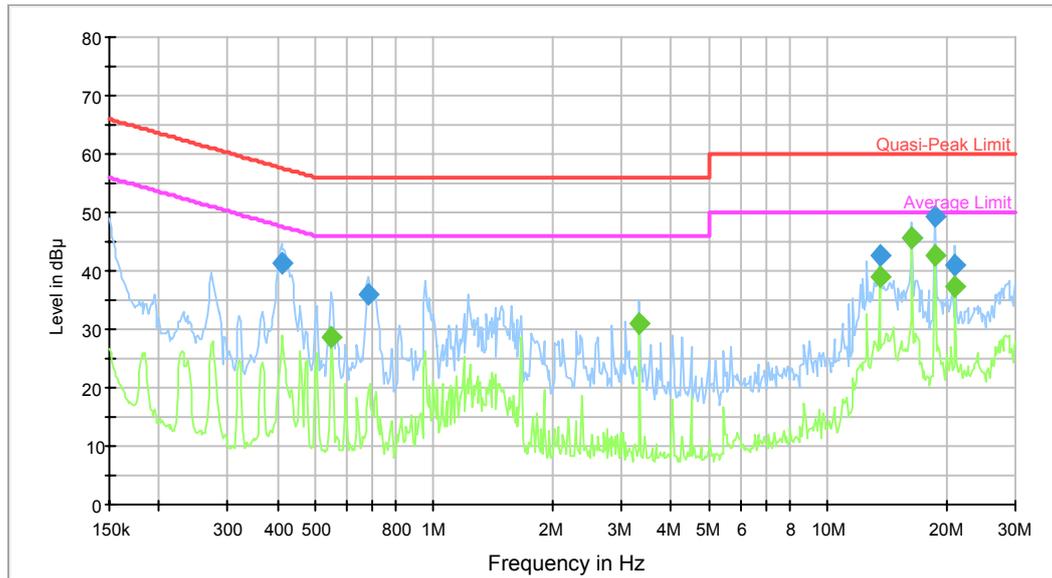
**AC120 V, 60 Hz, Line:**



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	41.4	9.000	L1	19.7	24.6	66.0	Compliance
0.409372	39.1	9.000	L1	19.8	18.6	57.7	Compliance
13.529825	41.2	9.000	L1	20.0	18.8	60.0	Compliance
16.381172	48.2	9.000	L1	20.1	11.8	60.0	Compliance
18.757459	49.4	9.000	L1	20.0	10.6	60.0	Compliance
21.138881	40.4	9.000	L1	20.1	19.6	60.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
1.664073	27.7	9.000	L1	19.7	18.3	46.0	Compliance
3.328423	31.1	9.000	L1	19.7	14.9	46.0	Compliance
13.529825	38.7	9.000	L1	20.0	11.3	50.0	Compliance
16.381172	45.2	9.000	L1	20.1	4.8	50.0	Compliance
18.757459	45.3	9.000	L1	20.0	4.8	50.0	Compliance
21.138881	32.3	9.000	L1	20.1	17.7	50.0	Compliance

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



frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.409372	41.4	9.000	N	19.6	16.3	57.7	Compliance
0.681699	36.1	9.000	N	19.6	19.9	56.0	Compliance
13.529825	42.6	9.000	N	19.9	17.4	60.0	Compliance
16.381172	45.7	9.000	N	19.9	14.3	60.0	Compliance
18.757459	49.5	9.000	N	19.9	10.5	60.0	Compliance
21.138881	41.0	9.000	N	20.0	19.0	60.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.549741	28.8	9.000	N	19.6	17.2	46.0	Compliance
3.328423	31.0	9.000	N	19.7	15.0	46.0	Compliance
13.529825	39.1	9.000	N	19.9	10.9	50.0	Compliance
16.381172	45.5	9.000	N	19.9	4.5	50.0	Compliance
18.757459	42.8	9.000	N	19.9	7.2	50.0	Compliance
21.138881	37.3	9.000	N	20.0	12.7	50.0	Compliance

## **FCC §15.209, §15.205 & §15.407(b) (1) (6) (7) –UNWANTED EMISSION**

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### **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: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of  $-17$  dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.

(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.

### **Measurement Uncertainty**

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If  $U_{lab}$  is less than or equal to  $U_{cispr}$  of Table 2, then:

–compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;

–non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If  $U_{lab}$  is greater than  $U_{cispr}$  of Table 2, then:

–compliance is deemed to occur if no measured disturbance level, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit;

–non-compliance is deemed to occur if any measured disturbance level, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit.

Based on CISPR 16-4-2-2011, measurement uncertainty of radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Chengdu) is:

30M~200MHz: ±4.7 dB;

200M~1GHz: ±6.0 dB;

1G~6GHz: ±5.13dB;

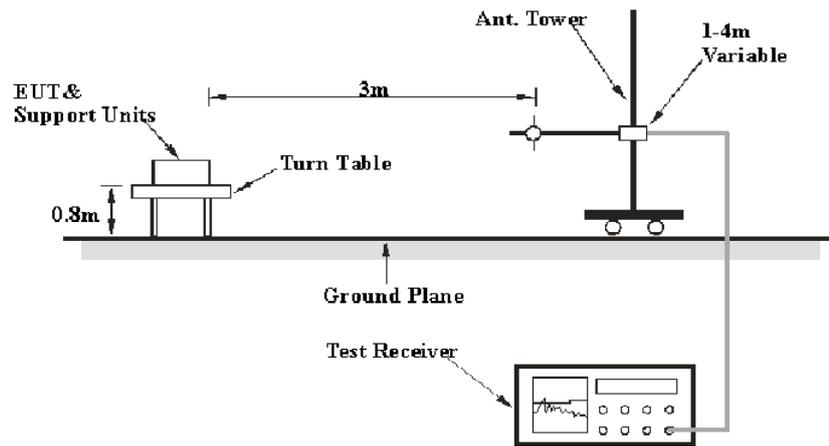
6G~25GHz: ±5.47 dB;

Table 2 – Values of  $U_{cispr}$

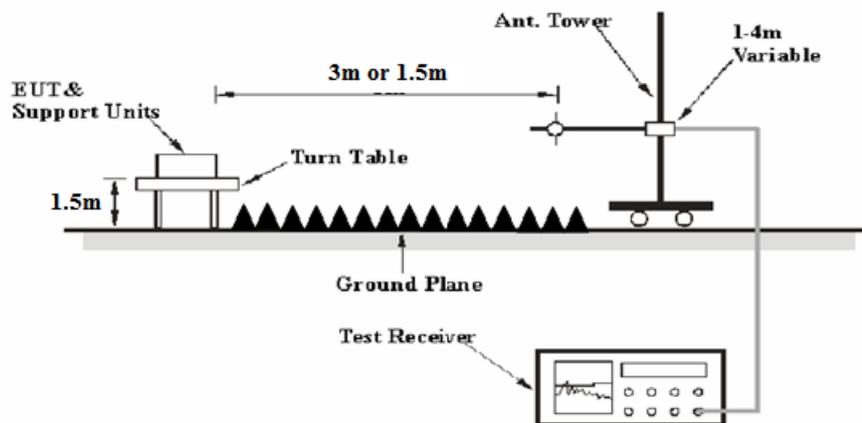
Measurement	$U_{cispr}$
Radiated disturbance (electric field strength at an OATS or in a SAC) (30 MHz to 1000 MHz)	6.3 dB
Radiated disturbance (electric field strength in a FAR) (1 GHz to 6 GHz)	5.2 dB
Radiated disturbance (electric field strength in a FAR) (6 GHz to 18 GHz)	5.5 dB

### EUT Setup

#### Below 1 GHz:



#### Above 1 GHz:



The radiated emission tests were performed in the 3 meters chamber, 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.

The adapter was connected to a 120 V/60 Hz AC power source.

### 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:

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP

1GHz- 40GHz:

Detector	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 adapter was connected to the first AC floor outlet and the other support equipments were connected to the second 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 v01r02, emission shall be computed as:  $E [dB\mu V/m] = EIRP[dBm] + 95.2$ , for  $d = 3$  meters.

According to C63.10, the above 1G test result shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade from 3m to 1.5m

Distance extrapolation factor =  $20 \log(\text{specific distance } [3m]/\text{test distance } [1.5m])$  dB

Extrapolation result = Corrected Amplitude (dB $\mu$ V/m) - distance extrapolation factor (6dB)

### Corrected Amplitude & Margin Calculation

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

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

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
Agilent	Amplifier	8447D	2944A10442	2015-12-02	2016-12-01
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2015-12-02	2016-12-01
Sunol Sciences	Broadband Antenna	JB3	A101808	2016-04-10	2019-04-09
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2015-12-02	2016-12-01
ETS	Horn Antenna	3115	003-6076	2015-12-02	2016-12-01
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-0113024	2014-06-16	2017-06-15
Mini-circuits	Amplifier	ZVA-183-S+	771001215	2016-05-20	2017-05-19
EMCT	Semi-Anechoic Chamber	966	N/A	2015-04-24	2018-04-23
N/A	RF Cable (below 1GHz)	NO.1	N/A	2016-11-10	2017-11-09
N/A	RF Cable (below 1GHz)	NO.4	N/A	2016-11-10	2017-11-09
N/A	RF Cable (above 1GHz)	NO.2	N/A	2016-11-10	2017-11-09
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-01 1312	2016-08-18	2017-08-18
Quinstar	Amplifier	QLW-18405536-JO	15964001032	2016-08-18	2017-08-18
Agilent	Spectrum Analyzer	8564E	5943A01752	2016-08-18	2017-08-18

\* **Statement of Traceability:** BACL (Chengdu) attested that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

## Test Data

### Environmental Conditions

<b>Temperature:</b>	22.1~24.1 °C
<b>Relative Humidity:</b>	49~60%
<b>ATM Pressure:</b>	101.3 kPa~101.4 kPa

*\* The testing was performed by Lorin Bian from 2016-11-22 to 2016-12-01.*

*Test Mode: Transmitting(AC/DC adapter is the worst,above 1GHz test performed at distance 1.5m from EUT to Antenna)*

**SISO mode:**

**5150-5250MHz**

802.11a mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5180 MHz										
5180	79.25	PK	H	31.72	5.21	0.00	116.18	110.18	N/A	N/A
5180	68.13	AV	H	31.72	5.21	0.00	105.06	99.06	N/A	N/A
5180	72.74	PK	V	31.72	5.21	0.00	109.67	103.67	N/A	N/A
5180	63.27	AV	V	31.72	5.21	0.00	100.2	94.2	N/A	N/A
5150	30.27	PK	H	31.67	5.18	0.00	67.12	61.12	74	12.88
5150	15.86	AV	H	31.67	5.18	0.00	52.71	46.71	54	7.29
10360	35.13	PK	H	37.37	7.76	26.37	53.89	47.89	74	26.11
10360	23.32	AV	H	37.37	7.76	26.37	42.08	36.08	54	17.92
15540	34.42	PK	H	39.41	10.22	25.32	58.73	52.73	74	21.27
15540	23.39	AV	H	39.41	10.22	25.32	47.7	41.7	54	12.3
6903	37.63	PK	H	34.13	6.08	26.31	51.53	45.53	74	28.47
6903	26.54	AV	H	34.13	6.08	26.31	40.44	34.44	54	19.56
4936	39.26	PK	H	31.20	5.06	26.88	48.64	42.64	74	31.36
4936	26.43	AV	H	31.20	5.06	26.88	35.81	29.81	54	24.19
280.26	53.02	QP	H	13.90	1.22	27.50	40.64	40.64	46.00	5.36
316.15	52.44	QP	H	14.50	1.19	27.60	40.53	40.53	46.00	5.47
Middle Channel:5200 MHz										
5200	78.67	PK	H	31.76	5.23	0.00	115.66	109.66	N/A	N/A
5200	67.98	AV	H	31.76	5.23	0.00	104.97	98.97	N/A	N/A
5200	72.27	PK	V	31.76	5.23	0.00	109.26	103.26	N/A	N/A
5200	62.45	AV	V	31.76	5.23	0.00	99.44	93.44	N/A	N/A
10400	34.99	PK	H	37.38	7.79	26.36	53.8	47.8	74	26.2
10400	22.75	AV	H	37.38	7.79	26.36	41.56	35.56	54	18.44
15600	34.56	PK	H	39.42	10.22	25.31	58.89	52.89	74	21.11
15600	23.75	AV	H	39.42	10.22	25.31	48.08	42.08	54	11.92
6745	37.65	PK	H	33.84	6.10	26.40	51.19	45.19	74	28.81
6745	26.42	AV	H	33.84	6.10	26.40	39.96	33.96	54	20.04
3358	42.06	PK	H	26.20	3.97	26.54	45.69	39.69	74	34.31
3358	30.26	AV	H	26.20	3.97	26.54	33.89	27.89	54	26.11
280.26	53.26	QP	H	13.90	1.22	27.50	40.88	40.88	46.00	5.12
316.15	52.62	QP	H	14.50	1.19	27.60	40.71	40.71	46.00	5.29
High Channel:5240 MHz										
5240	78.40	PK	H	31.83	5.27	0.00	115.5	109.5	N/A	N/A
5240	67.47	AV	H	31.83	5.27	0.00	104.57	98.57	N/A	N/A
5240	72.27	PK	V	31.83	5.27	0.00	109.37	103.37	N/A	N/A
5240	62.19	AV	V	31.83	5.27	0.00	99.29	93.29	N/A	N/A
5350	25.44	PK	H	32.03	5.37	0.00	62.84	56.84	74	17.16
5350	14.87	AV	H	32.03	5.37	0.00	52.27	46.27	54	7.73
10480	34.16	PK	H	37.40	7.84	26.35	53.05	47.05	74	26.95
10480	22.84	AV	H	37.40	7.84	26.35	41.73	35.73	54	18.27
15720	34.01	PK	H	39.44	10.24	25.30	58.39	52.39	74	21.61
15720	22.29	AV	H	39.44	10.24	25.30	46.67	40.67	54	13.33
6924	38.74	PK	H	34.16	6.08	26.30	52.68	46.68	74	27.32
6924	26.85	AV	H	34.16	6.08	26.30	40.79	34.79	54	19.21
3655	40.14	PK	H	27.62	4.41	26.58	45.59	39.59	74	34.41
3655	28.09	AV	H	27.62	4.41	26.58	33.54	27.54	54	26.46
280.26	53.45	QP	H	13.90	1.22	27.50	41.07	41.07	46.00	4.93
316.15	52.79	QP	H	14.50	1.19	27.60	40.88	40.88	46.00	5.12

802.11n ht20 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5180 MHz										
5180	77.95	PK	H	31.72	5.21	0.00	114.88	108.88	N/A	N/A
5180	64.97	AV	H	31.72	5.21	0.00	101.9	95.9	N/A	N/A
5180	74.87	PK	V	31.72	5.21	0.00	111.8	105.8	N/A	N/A
5180	61.65	AV	V	31.72	5.21	0.00	98.58	92.58	N/A	N/A
5150	29.13	PK	H	31.67	5.18	0.00	65.98	59.98	74	14.02
5150	14.30	AV	H	31.67	5.18	0.00	51.15	45.15	54	8.85
10360	34.87	PK	H	37.37	7.76	26.37	53.63	47.63	74	26.37
10360	22.94	AV	H	37.37	7.76	26.37	41.7	35.7	54	18.3
15540	35.62	PK	H	39.41	10.22	25.32	59.93	53.93	74	20.07
15540	22.72	AV	H	39.41	10.22	25.32	47.03	41.03	54	12.97
6933	38.42	PK	H	34.18	6.08	26.30	52.38	46.38	74	27.62
6933	25.76	AV	H	34.18	6.08	26.30	39.72	33.72	54	20.28
4936	38.81	PK	H	31.20	5.06	26.88	48.19	42.19	74	31.81
4936	27.47	AV	H	31.20	5.06	26.88	36.85	30.85	54	23.15
280.26	52.79	QP	H	13.90	1.22	27.50	40.41	40.41	46.00	5.59
316.15	52.3	QP	H	14.50	1.19	27.60	40.39	40.39	46.00	5.61
Middle Channel:5200 MHz										
5200	78.59	PK	H	31.76	5.23	0.00	115.58	109.58	N/A	N/A
5200	65.37	AV	H	31.76	5.23	0.00	102.36	96.36	N/A	N/A
5200	75.84	PK	V	31.76	5.23	0.00	112.83	106.83	N/A	N/A
5200	62.25	AV	V	31.76	5.23	0.00	99.24	93.24	N/A	N/A
10400	34.75	PK	H	37.38	7.79	26.36	53.56	47.56	74	20.44
10400	22.33	AV	H	37.38	7.79	26.36	41.14	35.14	54	12.86
15600	34.98	PK	H	39.42	10.22	25.31	59.31	53.31	74	14.69
15600	23.90	AV	H	39.42	10.22	25.31	48.23	42.23	54	5.77
6495	35.43	PK	H	33.40	6.13	26.53	48.43	42.43	74	25.57
6495	25.19	AV	H	33.40	6.13	26.53	38.19	32.19	54	15.81
2637	39.08	PK	H	23.47	3.11	26.76	38.9	32.9	74	35.1
2637	28.49	AV	H	23.47	3.11	26.76	28.31	22.31	54	25.69
280.26	53.02	QP	H	13.90	1.22	27.50	40.64	40.64	46.00	5.36
316.15	52.34	QP	H	14.50	1.19	27.60	40.43	40.43	46.00	5.57
High Channel:5240 MHz										
5240	78.21	PK	H	31.83	5.27	0.00	115.31	109.31	N/A	N/A
5240	67.35	AV	H	31.83	5.27	0.00	104.45	98.45	N/A	N/A
5240	72.34	PK	V	31.83	5.27	0.00	109.44	103.44	N/A	N/A
5240	61.10	AV	V	31.83	5.27	0.00	98.2	92.2	N/A	N/A
5350	25.52	PK	H	32.03	5.37	0.00	62.92	56.92	74	17.08
5350	14.85	AV	H	32.03	5.37	0.00	52.25	46.25	54	7.75
10480	34.65	PK	H	37.40	7.84	26.35	53.54	47.54	74	26.46
10480	22.69	AV	H	37.40	7.84	26.35	41.58	35.58	54	18.42
15720	34.60	PK	H	39.44	10.24	25.30	58.98	52.98	74	21.02
15720	22.74	AV	H	39.44	10.24	25.30	47.12	41.12	54	12.88
6545	36.20	PK	H	33.48	6.12	26.51	49.29	43.29	74	30.71
6545	25.44	AV	H	33.48	6.12	26.51	38.53	32.53	54	21.47
3697	38.43	PK	H	27.79	4.47	26.57	44.12	38.12	74	35.88
3697	27.28	AV	H	27.79	4.47	26.57	32.97	26.97	54	27.03
280.26	52.74	QP	H	13.90	1.22	27.50	40.36	40.36	46.00	5.64
316.15	52.25	QP	H	14.50	1.19	27.60	40.34	40.34	46.00	5.66

802.11ac 20 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5180 MHz										
5180	78.32	PK	H	31.72	5.21	0.00	115.25	109.25	N/A	N/A
5180	67.18	AV	H	31.72	5.21	0.00	104.11	98.11	N/A	N/A
5180	71.31	PK	V	31.72	5.21	0.00	108.24	102.24	N/A	N/A
5180	60.30	AV	V	31.72	5.21	0.00	97.23	91.23	N/A	N/A
5150	30.48	PK	H	31.67	5.18	0.00	67.33	61.33	74	12.67
5150	14.41	AV	H	31.67	5.18	0.00	51.26	45.26	54	8.74
10360	35.09	PK	H	37.37	7.76	26.37	53.85	47.85	74	26.15
10360	22.66	AV	H	37.37	7.76	26.37	41.42	35.42	54	18.58
15540	35.25	PK	H	39.41	10.22	25.32	59.56	53.56	74	20.44
15540	23.96	AV	H	39.41	10.22	25.32	48.27	42.27	54	11.73
6933	37.01	PK	H	34.18	6.08	26.30	50.97	44.97	74	29.03
6933	25.70	AV	H	34.18	6.08	26.30	39.66	33.66	54	20.34
4936	36.72	PK	H	31.20	5.06	26.88	46.1	40.1	74	33.9
4936	26.79	AV	H	31.20	5.06	26.88	36.17	30.17	54	23.83
280.26	52.63	QP	H	13.90	1.22	27.50	40.25	40.25	46.00	5.75
316.15	52.07	QP	H	14.50	1.19	27.60	40.16	40.16	46.00	5.84
Middle Channel:5200 MHz										
5200	80.75	PK	H	31.76	5.23	0.00	117.74	111.74	N/A	N/A
5200	69.25	AV	H	31.76	5.23	0.00	106.24	100.24	N/A	N/A
5200	74.62	PK	V	31.76	5.23	0.00	111.61	105.61	N/A	N/A
5200	64.81	AV	V	31.76	5.23	0.00	101.8	95.8	N/A	N/A
10400	35.21	PK	H	37.38	7.79	26.36	54.02	48.02	74	19.98
10400	23.10	AV	H	37.38	7.79	26.36	41.91	35.91	54	12.09
15600	34.37	PK	H	39.42	10.22	25.31	58.7	52.7	74	15.3
15600	22.83	AV	H	39.42	10.22	25.31	47.16	41.16	54	6.84
7021	38.30	PK	H	34.34	6.08	26.27	52.45	46.45	74	21.55
7021	25.98	AV	H	34.34	6.08	26.27	40.13	34.13	54	13.87
2249	40.53	PK	H	24.05	3.02	26.85	40.75	34.75	74	33.25
2249	27.95	AV	H	24.05	3.02	26.85	28.17	22.17	54	25.83
280.26	52.87	QP	H	13.90	1.22	27.50	40.49	40.49	46.00	5.51
316.15	53.05	QP	H	14.50	1.19	27.60	41.14	41.14	46.00	4.86
High Channel:5240 MHz										
5240	77.86	PK	H	31.83	5.27	0.00	114.96	108.96	N/A	N/A
5240	67.14	AV	H	31.83	5.27	0.00	104.24	98.24	N/A	N/A
5240	72.86	PK	V	31.83	5.27	0.00	109.96	103.96	N/A	N/A
5240	62.30	AV	V	31.83	5.27	0.00	99.4	93.4	N/A	N/A
5350	26.25	PK	H	32.03	5.37	0.00	63.65	57.65	74	16.35
5350	14.59	AV	H	32.03	5.37	0.00	51.99	45.99	54	8.01
10480	33.76	PK	H	37.40	7.84	26.35	52.65	46.65	74	27.35
10480	22.29	AV	H	37.40	7.84	26.35	41.18	35.18	54	18.82
15720	33.52	PK	H	39.44	10.24	25.30	57.9	51.9	74	22.1
15720	22.59	AV	H	39.44	10.24	25.30	46.97	40.97	54	13.03
6342	35.76	PK	H	33.24	6.08	26.57	48.51	42.51	74	31.49
6342	25.00	AV	H	33.24	6.08	26.57	37.75	31.75	54	22.25
2638	40.08	PK	H	23.48	3.11	26.76	39.91	33.91	74	40.09
2638	29.54	AV	H	23.48	3.11	26.76	29.37	23.37	54	30.63
280.26	53.11	QP	H	13.90	1.22	27.50	40.73	40.73	46.00	5.27
316.15	53.23	QP	H	14.50	1.19	27.60	41.32	41.32	46.00	4.68

802.11n ht40 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5190 MHz										
5190	73.50	PK	H	31.74	5.22	0.00	110.46	104.46	N/A	N/A
5190	64.17	AV	H	31.74	5.22	0.00	101.13	95.13	N/A	N/A
5190	67.95	PK	V	31.74	5.22	0.00	104.91	98.91	N/A	N/A
5190	58.24	AV	V	31.74	5.22	0.00	95.2	89.2	N/A	N/A
5150	30.04	PK	H	31.67	5.18	0.00	66.89	60.89	74	13.11
5150	16.91	AV	H	31.67	5.18	0.00	53.76	47.76	54	6.24
10380	35.19	PK	H	37.38	7.78	26.37	53.98	47.98	74	26.02
10380	22.81	AV	H	37.38	7.78	26.37	41.6	35.6	54	18.4
15570	34.74	PK	H	39.41	10.22	25.31	59.06	53.06	74	20.94
15570	23.37	AV	H	39.41	10.22	25.31	47.69	41.69	54	12.31
6657	36.39	PK	H	33.68	6.11	26.45	49.73	43.73	74	30.27
6657	25.72	AV	H	33.68	6.11	26.45	39.06	33.06	54	20.94
4123	36.73	PK	H	29.20	5.01	26.62	44.32	38.32	74	35.68
4123	25.46	AV	H	29.20	5.01	26.62	33.05	27.05	54	26.95
280.26	53.3	QP	H	13.90	1.22	27.50	40.92	40.92	46.00	5.08
316.15	53.4	QP	H	14.50	1.19	27.60	41.49	41.49	46.00	4.51
High Channel:5230 MHz										
5230	74.71	PK	H	31.81	5.26	0.00	111.78	105.78	N/A	N/A
5230	65.49	AV	H	31.81	5.26	0.00	102.56	96.56	N/A	N/A
5230	69.24	PK	V	31.81	5.26	0.00	106.31	100.31	N/A	N/A
5230	59.16	AV	V	31.81	5.26	0.00	96.23	90.23	N/A	N/A
5350	26.48	PK	H	32.03	5.37	0.00	63.88	57.88	74	16.12
5350	14.86	AV	H	32.03	5.37	0.00	52.26	46.26	54	7.74
10460	33.95	PK	H	37.39	7.83	26.36	52.81	46.81	74	27.19
10460	22.29	AV	H	37.39	7.83	26.36	41.15	35.15	54	18.85
15690	33.94	PK	H	39.44	10.24	25.30	58.32	52.32	74	21.68
15690	22.43	AV	H	39.44	10.24	25.30	46.81	40.81	54	13.19
6238	37.93	PK	H	33.14	6.04	26.60	50.51	44.51	74	29.49
6238	26.18	AV	H	33.14	6.04	26.60	38.76	32.76	54	21.24
4025	36.61	PK	H	29.04	4.94	26.57	44.02	38.02	74	35.98
4025	25.45	AV	H	29.04	4.94	26.57	32.86	26.86	54	27.14
280.26	52.64	QP	H	13.90	1.22	27.50	40.26	40.26	46.00	5.74
316.15	52.91	QP	H	14.50	1.19	27.60	41.00	41.00	46.00	5.00

802.11 ac 40 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5190 MHz										
5190	72.67	PK	H	31.74	5.22	0.00	109.63	103.63	N/A	N/A
5190	62.98	AV	H	31.74	5.22	0.00	99.94	93.94	N/A	N/A
5190	67.30	PK	V	31.74	5.22	0.00	104.26	98.26	N/A	N/A
5190	58.32	AV	V	31.74	5.22	0.00	95.28	89.28	N/A	N/A
5150	29.88	PK	H	31.67	5.18	0.00	66.73	60.73	74	13.27
5150	16.56	AV	H	31.67	5.18	0.00	53.41	47.41	54	6.59
10380	34.75	PK	H	37.38	7.78	26.37	53.54	47.54	74	26.46
10380	22.40	AV	H	37.38	7.78	26.37	41.19	35.19	54	18.81
15570	34.82	PK	H	39.41	10.22	25.31	59.14	53.14	74	20.86
15570	23.42	AV	H	39.41	10.22	25.31	47.74	41.74	54	12.26
6159	35.16	PK	H	33.06	6.01	26.62	47.61	41.61	74	32.39
6159	25.18	AV	H	33.06	6.01	26.62	37.63	31.63	54	22.37
3374	38.62	PK	H	26.29	3.99	26.54	42.36	36.36	74	37.64
3374	27.89	AV	H	26.29	3.99	26.54	31.63	25.63	54	28.37
280.26	52.87	QP	H	13.90	1.22	27.50	40.49	40.49	46.00	5.51
316.15	52.95	QP	H	14.50	1.19	27.60	41.04	41.04	46.00	4.96
High Channel:5230 MHz										
5230	72.18	PK	H	31.81	5.26	0.00	109.25	103.25	N/A	N/A
5230	62.87	AV	H	31.81	5.26	0.00	99.94	93.94	N/A	N/A
5230	66.64	PK	V	31.81	5.26	0.00	103.71	97.71	N/A	N/A
5230	57.10	AV	V	31.81	5.26	0.00	94.17	88.17	N/A	N/A
5350	26.53	PK	H	32.03	5.37	0.00	63.93	57.93	74	16.07
5350	14.88	AV	H	32.03	5.37	0.00	52.28	46.28	54	7.72
10460	34.53	PK	H	37.39	7.83	26.36	53.39	47.39	74	26.61
10460	21.88	AV	H	37.39	7.83	26.36	40.74	34.74	54	19.26
15690	34.26	PK	H	39.44	10.24	25.30	58.64	52.64	74	21.36
15690	22.72	AV	H	39.44	10.24	25.30	47.1	41.1	54	12.9
6325	35.89	PK	H	33.23	6.07	26.58	48.61	42.61	74	31.39
6325	24.54	AV	H	33.23	6.07	26.58	37.26	31.26	54	22.74
3054	42.21	PK	H	24.50	3.51	26.43	43.79	37.79	74	36.21
3054	32.78	AV	H	24.50	3.51	26.43	34.36	28.36	54	25.64
280.26	52.59	QP	H	13.90	1.22	27.50	40.21	40.21	46.00	5.79
316.15	52.86	QP	H	14.50	1.19	27.60	40.95	40.95	46.00	5.05

802.11 ac 80 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Middle Channel:5210 MHz										
5210	68.23	PK	H	31.78	5.24	0.00	105.25	99.25	N/A	N/A
5210	56.66	AV	H	31.78	5.24	0.00	93.68	87.68	N/A	N/A
5210	63.06	PK	V	31.78	5.24	0.00	100.08	94.08	N/A	N/A
5210	51.85	AV	V	31.78	5.24	0.00	88.87	82.87	N/A	N/A
5150	28.90	PK	H	31.67	5.18	0.00	65.75	59.75	74	14.25
5150	14.84	AV	H	31.67	5.18	0.00	51.69	45.69	54	8.31
5350	26.69	PK	H	32.03	5.37	0.00	64.09	58.09	74	15.91
5350	14.73	AV	H	32.03	5.37	0.00	52.13	46.13	54	7.87
10420	34.33	PK	H	37.38	7.80	26.36	53.15	47.15	74	26.85
10420	22.92	AV	H	37.38	7.80	26.36	41.74	35.74	54	18.26
15630	34.72	PK	H	39.43	10.23	25.31	59.07	53.07	74	20.93
15630	23.44	AV	H	39.43	10.23	25.31	47.79	41.79	54	12.21
6946	38.09	PK	H	34.20	6.08	26.29	52.08	46.08	74	27.92
6946	26.43	AV	H	34.20	6.08	26.29	40.42	34.42	54	19.58
280.26	52.48	QP	H	13.90	1.22	27.50	40.10	40.10	46.00	5.90
316.15	52.68	QP	H	14.50	1.19	27.60	40.77	40.77	46.00	5.23

**5250-5350MHz**

802.11a mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5260 MHz										
5260	77.08	PK	H	31.87	5.28	0.00	114.23	108.23	N/A	N/A
5260	67.69	AV	H	31.87	5.28	0.00	104.84	98.84	N/A	N/A
5260	71.62	PK	V	31.87	5.28	0.00	108.77	102.77	N/A	N/A
5260	61.25	AV	V	31.87	5.28	0.00	98.4	92.4	N/A	N/A
5150	26.87	PK	H	31.67	5.18	0.00	63.72	57.72	74	16.28
5150	14.88	AV	H	31.67	5.18	0.00	51.73	45.73	54	8.27
10520	33.50	PK	H	37.41	7.86	26.34	52.43	46.43	74	27.57
10520	22.00	AV	H	37.41	7.86	26.34	40.93	34.93	54	19.07
15780	33.82	PK	H	39.46	10.25	25.30	58.23	52.23	74	21.77
15780	21.41	AV	H	39.46	10.25	25.30	45.82	39.82	54	14.18
3025	42.68	PK	H	24.34	3.47	26.42	44.07	38.07	74	35.93
3025	31.44	AV	H	24.34	3.47	26.42	32.83	26.83	54	27.17
6652	35.82	PK	H	33.67	6.11	26.45	49.15	43.15	74	30.85
6652	25.29	AV	H	33.67	6.11	26.45	38.62	32.62	54	21.38
280.26	51.96	QP	H	13.90	1.22	27.50	39.58	39.58	46.00	6.42
316.15	52.78	QP	H	14.50	1.19	27.60	40.87	40.87	46.00	5.13
Middle Channel:5280 MHz										
5280	77.46	PK	H	31.90	5.30	0.00	114.66	108.66	N/A	N/A
5280	67.51	AV	H	31.90	5.30	0.00	104.71	98.71	N/A	N/A
5280	71.88	PK	V	31.90	5.30	0.00	109.08	103.08	N/A	N/A
5280	61.09	AV	V	31.90	5.30	0.00	98.29	92.29	N/A	N/A
10560	33.60	PK	H	37.42	7.89	26.32	52.59	46.59	74	27.41
10560	21.98	AV	H	37.42	7.89	26.32	40.97	34.97	54	19.03
15840	33.18	PK	H	39.47	10.26	25.29	57.62	51.62	74	22.38
15840	20.95	AV	H	39.47	10.26	25.29	45.39	39.39	54	14.61
3157	42.77	PK	H	25.08	3.67	26.47	45.05	39.05	74	34.95
3157	31.80	AV	H	25.08	3.67	26.47	34.08	28.08	54	25.92
6348	36.22	PK	H	33.25	6.08	26.57	48.98	42.98	74	31.02
6348	24.90	AV	H	33.25	6.08	26.57	37.66	31.66	54	22.34
280.26	52.2	QP	H	13.90	1.22	27.50	39.82	39.82	46.00	6.18
316.15	52.96	QP	H	14.50	1.19	27.60	41.05	41.05	46.00	4.95
High Channel:5320 MHz										
5320	76.94	PK	H	31.98	5.34	0.00	114.26	108.26	N/A	N/A
5320	67.76	AV	H	31.98	5.34	0.00	105.08	99.08	N/A	N/A
5320	71.72	PK	V	31.98	5.34	0.00	109.04	103.04	N/A	N/A
5320	61.90	AV	V	31.98	5.34	0.00	99.22	93.22	N/A	N/A
5350	30.57	PK	H	32.03	5.37	0.00	67.97	61.97	74	12.03
5350	16.48	AV	H	32.03	5.37	0.00	53.88	47.88	54	6.12
10640	32.71	PK	H	37.46	7.95	26.27	51.85	45.85	74	28.15
10640	21.36	AV	H	37.46	7.95	26.27	40.5	34.5	54	19.5
15960	32.85	PK	H	39.49	10.27	25.28	57.33	51.33	74	22.67
15960	20.49	AV	H	39.49	10.27	25.28	44.97	38.97	54	15.03
3473	39.06	PK	H	26.85	4.14	26.58	43.47	37.47	74	36.53
3473	28.03	AV	H	26.85	4.14	26.58	32.44	26.44	54	27.56
6849	35.71	PK	H	34.03	6.09	26.34	49.49	43.49	74	30.51
6849	26.02	AV	H	34.03	6.09	26.34	39.8	33.8	54	20.2
280.26	52.39	QP	H	13.90	1.22	27.50	40.01	40.01	46.00	5.99
316.15	53.13	QP	H	14.50	1.19	27.60	41.22	41.22	46.00	4.78

802.11n ht20 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5260 MHz										
5260	78.35	PK	H	31.87	5.28	0.00	115.5	109.5	N/A	N/A
5260	67.91	AV	H	31.87	5.28	0.00	105.06	99.06	N/A	N/A
5260	71.90	PK	V	31.87	5.28	0.00	109.05	103.05	N/A	N/A
5260	61.16	AV	V	31.87	5.28	0.00	98.31	92.31	N/A	N/A
5150	26.41	PK	H	31.67	5.18	0.00	63.26	57.26	74	16.74
5150	14.87	AV	H	31.67	5.18	0.00	51.72	45.72	54	8.28
10520	34.14	PK	H	37.41	7.86	26.34	53.07	47.07	74	26.93
10520	21.62	AV	H	37.41	7.86	26.34	40.55	34.55	54	19.45
15780	33.86	PK	H	39.46	10.25	25.30	58.27	52.27	74	21.73
15780	21.85	AV	H	39.46	10.25	25.30	46.26	40.26	54	13.74
6046	36.31	PK	H	32.95	5.98	26.65	48.59	42.59	74	31.41
6046	25.34	AV	H	32.95	5.98	26.65	37.62	31.62	54	22.38
2685	40.75	PK	H	23.57	3.15	26.71	40.76	34.76	74	39.24
2685	30.59	AV	H	23.57	3.15	26.71	30.6	24.6	54	29.4
280.26	51.73	QP	H	13.90	1.22	27.50	39.35	39.35	46.00	6.65
316.15	52.64	QP	H	14.50	1.19	27.60	40.73	40.73	46.00	5.27
Middle Channel:5280 MHz										
5280	77.89	PK	H	31.90	5.30	0.00	115.09	109.09	N/A	N/A
5280	69.22	AV	H	31.90	5.30	0.00	106.42	100.42	N/A	N/A
5280	73.13	PK	V	31.90	5.30	0.00	110.33	104.33	N/A	N/A
5280	62.38	AV	V	31.90	5.30	0.00	99.58	93.58	N/A	N/A
10560	33.79	PK	H	37.42	7.89	26.32	52.78	46.78	74	27.22
10560	22.38	AV	H	37.42	7.89	26.32	41.37	35.37	54	18.63
15840	32.70	PK	H	39.47	10.26	25.29	57.14	51.14	74	22.86
15840	21.00	AV	H	39.47	10.26	25.29	45.44	39.44	54	14.56
7162	37.08	PK	H	34.62	6.14	26.33	51.51	45.51	74	28.49
7162	23.74	AV	H	34.62	6.14	26.33	38.17	32.17	54	21.83
2684	40.17	PK	H	23.57	3.15	26.71	40.18	34.18	74	39.82
2684	28.22	AV	H	23.57	3.15	26.71	28.23	22.23	54	31.77
280.26	51.96	QP	H	13.90	1.22	27.50	39.58	39.58	46.00	6.42
316.15	52.68	QP	H	14.50	1.19	27.60	40.77	40.77	46.00	5.23
High Channel:5320 MHz										
5320	78.13	PK	H	31.98	5.34	0.00	115.45	109.45	N/A	N/A
5320	68.29	AV	H	31.98	5.34	0.00	105.61	99.61	N/A	N/A
5320	72.30	PK	V	31.98	5.34	0.00	109.62	103.62	N/A	N/A
5320	61.76	AV	V	31.98	5.34	0.00	99.08	93.08	N/A	N/A
5350	33.46	PK	H	32.03	5.37	0.00	70.86	64.86	74	9.14
5350	17.87	AV	H	32.03	5.37	0.00	55.27	49.27	54	4.73
10640	33.48	PK	H	37.46	7.95	26.27	52.62	46.62	74	27.38
10640	20.75	AV	H	37.46	7.95	26.27	39.89	33.89	54	20.11
15960	32.73	PK	H	39.49	10.27	25.28	57.21	51.21	74	22.79
15960	21.68	AV	H	39.49	10.27	25.28	46.16	40.16	54	13.84
7089	37.27	PK	H	34.48	6.11	26.30	51.56	45.56	74	28.44
7089	26.16	AV	H	34.48	6.11	26.30	40.45	34.45	54	19.55
2786	40.94	PK	H	23.77	3.24	26.62	41.33	35.33	74	38.67
2786	29.97	AV	H	23.77	3.24	26.62	30.36	24.36	54	29.64
280.26	51.68	QP	H	13.90	1.22	27.50	39.30	39.30	46.00	6.70
316.15	52.59	QP	H	14.50	1.19	27.60	40.68	40.68	46.00	5.32

802.11ac 20 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5260 MHz										
5260	78.35	PK	H	31.87	5.28	0.00	115.5	109.5	N/A	N/A
5260	67.91	AV	H	31.87	5.28	0.00	105.06	99.06	N/A	N/A
5260	71.90	PK	V	31.87	5.28	0.00	109.05	103.05	N/A	N/A
5260	61.16	AV	V	31.87	5.28	0.00	98.31	92.31	N/A	N/A
5150	26.41	PK	H	31.67	5.18	0.00	63.26	57.26	74	16.74
5150	14.87	AV	H	31.67	5.18	0.00	51.72	45.72	54	8.28
10520	34.35	PK	H	37.41	7.86	26.34	53.28	47.28	74	26.72
10520	22.22	AV	H	37.41	7.86	26.34	41.15	35.15	54	18.85
15780	34.06	PK	H	39.46	10.25	25.30	58.47	52.47	74	21.53
15780	21.46	AV	H	39.46	10.25	25.30	45.87	39.87	54	14.13
2357	37.63	PK	H	23.69	3.01	26.87	37.46	31.46	74	42.54
2357	26.28	AV	H	23.69	3.01	26.87	26.11	20.11	54	33.89
4485	35.72	PK	H	29.78	5.26	26.84	43.92	37.92	74	36.08
4485	23.89	AV	H	29.78	5.26	26.84	32.09	26.09	54	27.91
280.26	51.57	QP	H	13.90	1.22	27.50	39.19	39.19	46.00	6.81
316.15	52.41	QP	H	14.50	1.19	27.60	40.50	40.50	46.00	5.50
Middle Channel:5280 MHz										
5280	78.48	PK	H	31.90	5.30	0.00	115.68	109.68	N/A	N/A
5280	68.44	AV	H	31.90	5.30	0.00	105.64	99.64	N/A	N/A
5280	72.13	PK	V	31.90	5.30	0.00	109.33	103.33	N/A	N/A
5280	61.51	AV	V	31.90	5.30	0.00	98.71	92.71	N/A	N/A
10560	33.88	PK	H	37.42	7.89	26.32	52.87	46.87	74	27.13
10560	22.39	AV	H	37.42	7.89	26.32	41.38	35.38	54	18.62
15840	33.59	PK	H	39.47	10.26	25.29	58.03	52.03	74	21.97
15840	20.96	AV	H	39.47	10.26	25.29	45.4	39.4	54	14.6
4356	36.27	PK	H	29.57	5.17	26.76	44.25	38.25	74	35.75
4356	23.90	AV	H	29.57	5.17	26.76	31.88	25.88	54	28.12
6327	35.64	PK	H	33.23	6.07	26.57	48.37	42.37	74	31.63
6327	23.16	AV	H	33.23	6.07	26.57	35.89	29.89	54	24.11
280.26	51.27	QP	H	13.90	1.22	27.50	38.89	38.89	46.00	7.11
316.15	52.42	QP	H	14.50	1.19	27.60	40.51	40.51	46.00	5.49
High Channel:5320 MHz										
5320	78.12	PK	H	31.98	5.34	0.00	115.44	109.44	N/A	N/A
5320	66.91	AV	H	31.98	5.34	0.00	104.23	98.23	N/A	N/A
5320	72.30	PK	V	31.98	5.34	0.00	109.62	103.62	N/A	N/A
5320	62.16	AV	V	31.98	5.34	0.00	99.48	93.48	N/A	N/A
5350	27.53	PK	H	32.03	5.37	0.00	64.93	58.93	74	15.07
5350	15.21	AV	H	32.03	5.37	0.00	52.61	46.61	54	7.39
10640	33.51	PK	H	37.46	7.95	26.27	52.65	46.65	74	27.35
10640	21.68	AV	H	37.46	7.95	26.27	40.82	34.82	54	19.18
15960	33.86	PK	H	39.49	10.27	25.28	58.34	52.34	74	21.66
15960	20.60	AV	H	39.49	10.27	25.28	45.08	39.08	54	14.92
6599	34.15	PK	H	33.58	6.12	26.48	47.37	41.37	74	32.63
6599	22.82	AV	H	33.58	6.12	26.48	36.04	30.04	54	23.96
3057	41.63	PK	H	24.52	3.52	26.43	43.24	37.24	74	36.76
3057	29.72	AV	H	24.52	3.52	26.43	31.33	25.33	54	28.67
280.26	51.51	QP	H	13.90	1.22	27.50	39.13	39.13	46.00	6.87
316.15	52.6	QP	H	14.50	1.19	27.60	40.69	40.69	46.00	5.31

802.11n ht40 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5270 MHz										
5270	72.72	PK	H	31.89	5.29	0.00	109.9	103.9	N/A	N/A
5270	63.06	AV	H	31.89	5.29	0.00	100.24	94.24	N/A	N/A
5270	66.99	PK	V	31.89	5.29	0.00	104.17	98.17	N/A	N/A
5270	56.85	AV	V	31.89	5.29	0.00	94.03	88.03	N/A	N/A
5150	26.15	PK	H	31.67	5.18	0.00	63	57	74	17
5150	14.46	AV	H	31.67	5.18	0.00	51.31	45.31	54	8.69
10540	34.46	PK	H	37.42	7.88	26.33	53.43	47.43	74	26.57
10540	22.23	AV	H	37.42	7.88	26.33	41.2	35.2	54	18.8
15810	32.79	PK	H	39.46	10.25	25.30	57.2	51.2	74	22.8
15810	22.18	AV	H	39.46	10.25	25.30	46.59	40.59	54	13.41
3587	35.93	PK	H	27.35	4.31	26.58	41.01	35.01	74	38.99
3587	25.76	AV	H	27.35	4.31	26.58	30.84	24.84	54	29.16
6652	34.73	PK	H	33.67	6.11	26.45	48.06	42.06	74	31.94
6652	22.74	AV	H	33.67	6.11	26.45	36.07	30.07	54	23.93
280.26	51.7	QP	H	13.90	1.22	27.50	39.32	39.32	46.00	6.68
316.15	52.77	QP	H	14.50	1.19	27.60	40.86	40.86	46.00	5.14
High Channel:5310 MHz										
5310	72.70	PK	H	31.96	5.33	0.00	109.99	103.99	N/A	N/A
5310	63.07	AV	H	31.96	5.33	0.00	100.36	94.36	N/A	N/A
5310	67.59	PK	V	31.96	5.33	0.00	104.88	98.88	N/A	N/A
5310	57.51	AV	V	31.96	5.33	0.00	94.8	88.8	N/A	N/A
5350	26.61	PK	H	32.03	5.37	0.00	64.01	58.01	74	15.99
5350	14.39	AV	H	32.03	5.37	0.00	51.79	45.79	54	8.21
10620	33.88	PK	H	37.45	7.93	26.28	52.98	46.98	74	27.02
10620	21.34	AV	H	37.45	7.93	26.28	40.44	34.44	54	19.56
15930	32.54	PK	H	39.49	10.27	25.29	57.01	51.01	74	22.99
15930	21.60	AV	H	39.49	10.27	25.29	46.07	40.07	54	13.93
6587	33.44	PK	H	33.56	6.12	26.48	46.64	40.64	74	33.36
6587	23.98	AV	H	33.56	6.12	26.48	37.18	31.18	54	22.82
3796	36.27	PK	H	28.18	4.62	26.57	42.5	36.5	74	37.5
3796	23.96	AV	H	28.18	4.62	26.57	30.19	24.19	54	29.81
280.26	51.04	QP	H	13.90	1.22	27.50	38.66	38.66	46.00	7.34
316.15	52.28	QP	H	14.50	1.19	27.60	40.37	40.37	46.00	5.63

802.11 ac 40 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5270 MHz										
5270	72.72	PK	H	31.89	5.29	0.00	109.9	103.9	N/A	N/A
5270	63.06	AV	H	31.89	5.29	0.00	100.24	94.24	N/A	N/A
5270	66.99	PK	V	31.89	5.29	0.00	104.17	98.17	N/A	N/A
5270	56.85	AV	V	31.89	5.29	0.00	94.03	88.03	N/A	N/A
5150	26.15	PK	H	31.67	5.18	0.00	63	57	74	17
5150	14.46	AV	H	31.67	5.18	0.00	51.31	45.31	54	8.69
10540	33.14	PK	H	37.42	7.88	26.33	52.11	46.11	74	27.89
10540	22.18	AV	H	37.42	7.88	26.33	41.15	35.15	54	18.85
15810	33.34	PK	H	39.46	10.25	25.30	57.75	51.75	74	22.25
15810	21.40	AV	H	39.46	10.25	25.30	45.81	39.81	54	14.19
3876	34.93	PK	H	28.50	4.74	26.56	41.61	35.61	74	38.39
3876	25.18	AV	H	28.50	4.74	26.56	31.86	25.86	54	28.14
6625	34.62	PK	H	33.63	6.12	26.46	47.91	41.91	74	32.09
6625	22.80	AV	H	33.63	6.12	26.46	36.09	30.09	54	23.91
280.26	51.27	QP	H	13.90	1.22	27.50	38.89	38.89	46.00	7.11
316.15	52.32	QP	H	14.50	1.19	27.60	40.41	40.41	46.00	5.59
High Channel:5310 MHz										
5310	71.89	PK	H	31.96	5.33	0.00	109.18	103.18	N/A	N/A
5310	61.60	AV	H	31.96	5.33	0.00	98.89	92.89	N/A	N/A
5310	66.37	PK	V	31.96	5.33	0.00	103.66	97.66	N/A	N/A
5310	56.39	AV	V	31.96	5.33	0.00	93.68	87.68	N/A	N/A
5350	27.42	PK	H	32.03	5.37	0.00	64.82	58.82	74	15.18
5350	14.84	AV	H	32.03	5.37	0.00	52.24	46.24	54	7.76
10620	33.33	PK	H	37.45	7.93	26.28	52.43	46.43	74	27.57
10620	21.33	AV	H	37.45	7.93	26.28	40.43	34.43	54	19.57
15930	33.17	PK	H	39.49	10.27	25.29	57.64	51.64	74	22.36
15930	20.92	AV	H	39.49	10.27	25.29	45.39	39.39	54	14.61
6658	35.48	PK	H	33.68	6.11	26.44	48.83	42.83	74	31.17
6658	23.65	AV	H	33.68	6.11	26.44	37	31	54	23
3792	35.95	PK	H	28.17	4.61	26.57	42.16	36.16	74	37.84
3792	23.98	AV	H	28.17	4.61	26.57	30.19	24.19	54	29.81
280.26	50.99	QP	H	13.90	1.22	27.50	38.61	38.61	46.00	7.39
316.15	52.23	QP	H	14.50	1.19	27.60	40.32	40.32	46.00	5.68

802.11 ac 80 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Middle Channel:5290 MHz										
5290	69.00	PK	H	31.92	5.31	0.00	106.23	100.23	N/A	N/A
5290	58.61	AV	H	31.92	5.31	0.00	95.84	89.84	N/A	N/A
5290	62.72	PK	V	31.92	5.31	0.00	99.95	93.95	N/A	N/A
5290	52.15	AV	V	31.92	5.31	0.00	89.38	83.38	N/A	N/A
5150	27.37	PK	H	31.67	5.18	0.00	64.22	58.22	74	15.78
5150	15.05	AV	H	31.67	5.18	0.00	51.9	45.9	54	8.1
5350	29.28	PK	H	32.03	5.37	0.00	66.68	60.68	74	13.32
5350	15.40	AV	H	32.03	5.37	0.00	52.8	46.8	54	7.2
10580	32.23	PK	H	37.43	7.91	26.30	51.27	45.27	74	28.73
10580	19.85	AV	H	37.43	7.91	26.30	38.89	32.89	54	21.11
15870	35.79	PK	H	39.47	10.26	25.29	60.23	54.23	74	19.77
15870	26.68	AV	H	39.47	10.26	25.29	51.12	45.12	54	8.88
6855	35.38	PK	H	34.04	6.09	26.34	49.17	43.17	74	30.83
6855	22.85	AV	H	34.04	6.09	26.34	36.64	30.64	54	23.36
280.26	50.88	QP	H	13.90	1.22	27.50	38.50	38.50	46.00	7.50
316.15	52.05	QP	H	14.50	1.19	27.60	40.14	40.14	46.00	5.86

**5470-5725MHz**

802.11a mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5500 MHz										
5500	78.30	PK	H	32.30	5.52	0.00	116.12	110.12	N/A	N/A
5500	67.47	AV	H	32.30	5.52	0.00	105.29	99.29	N/A	N/A
5500	71.57	PK	V	32.30	5.52	0.00	109.39	103.39	N/A	N/A
5500	61.22	AV	V	32.30	5.52	0.00	99.04	93.04	N/A	N/A
5470	31.24	PK	H	32.25	5.49	0.00	68.98	62.98	74	11.02
5470	15.90	AV	H	32.25	5.49	0.00	53.64	47.64	54	6.36
11000	33.69	PK	H	37.60	8.20	26.06	53.43	47.43	74	26.57
11000	21.92	AV	H	37.60	8.20	26.06	41.66	35.66	54	18.34
16500	33.67	PK	H	40.30	10.44	25.48	58.93	52.93	74	21.07
16500	22.50	AV	H	40.30	10.44	25.48	47.76	41.76	54	12.24
3548	40.11	PK	H	27.19	4.25	26.59	44.96	38.96	74	35.04
3548	28.92	AV	H	27.19	4.25	26.59	33.77	27.77	54	26.23
6425	38.82	PK	H	33.33	6.10	26.55	51.7	45.7	74	28.3
6425	26.14	AV	H	33.33	6.10	26.55	39.02	33.02	54	20.98
280.26	52.17	QP	H	13.90	1.22	27.50	39.79	39.79	46.00	6.21
316.15	51.09	QP	H	14.50	1.19	27.60	39.18	39.18	46.00	6.82
Middle Channel:5600 MHz										
5600	78.77	PK	H	32.42	5.61	0.00	116.8	110.8	N/A	N/A
5600	68.26	AV	H	32.42	5.61	0.00	106.29	100.29	N/A	N/A
5600	71.34	PK	V	32.42	5.61	0.00	109.37	103.37	N/A	N/A
5600	61.42	AV	V	32.42	5.61	0.00	99.45	93.45	N/A	N/A
11200	34.35	PK	H	37.76	8.21	26.04	54.28	48.28	74	25.72
11200	22.18	AV	H	37.76	8.21	26.04	42.11	36.11	54	17.89
16800	35.46	PK	H	41.26	10.43	25.59	61.56	55.56	74	18.44
16800	22.72	AV	H	41.26	10.43	25.59	48.82	42.82	54	11.18
3749	39.67	PK	H	28.00	4.55	26.57	45.65	39.65	74	34.35
3749	27.06	AV	H	28.00	4.55	26.57	33.04	27.04	54	26.96
6685	38.72	PK	H	33.73	6.11	26.43	52.13	46.13	74	27.87
6685	26.83	AV	H	33.73	6.11	26.43	40.24	34.24	54	19.76
280.26	52.41	QP	H	13.90	1.22	27.50	40.03	40.03	46.00	5.97
316.15	51.27	QP	H	14.50	1.19	27.60	39.36	39.36	46.00	6.64
High Channel:5700 MHz										
5700	77.95	PK	H	32.54	5.70	0.00	116.19	110.19	N/A	N/A
5700	67.01	AV	H	32.54	5.70	0.00	105.25	99.25	N/A	N/A
5700	71.30	PK	V	32.54	5.70	0.00	109.54	103.54	N/A	N/A
5700	60.86	AV	V	32.54	5.70	0.00	99.1	93.1	N/A	N/A
5725	27.99	PK	H	32.57	5.72	0.00	66.28	60.28	74	13.72
5725	14.67	AV	H	32.57	5.72	0.00	52.96	46.96	54	7.04
11400	34.66	PK	H	37.92	8.22	26.03	54.77	48.77	74	25.23
11400	21.97	AV	H	37.92	8.22	26.03	42.08	36.08	54	17.92
17100	34.41	PK	H	42.36	10.60	25.80	61.57	55.57	74	18.43
17100	22.84	AV	H	42.36	10.60	25.80	50	44	54	10
4057	38.55	PK	H	29.09	4.96	26.58	46.02	40.02	74	33.98
4057	26.85	AV	H	29.09	4.96	26.58	34.32	28.32	54	25.68
6158	38.54	PK	H	33.06	6.01	26.62	50.99	44.99	74	29.01
6158	26.82	AV	H	33.06	6.01	26.62	39.27	33.27	54	20.73
280.26	52.6	QP	H	13.90	1.22	27.50	40.22	40.22	46.00	5.78
316.15	51.44	QP	H	14.50	1.19	27.60	39.53	39.53	46.00	6.47

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5720 MHz										
5720	77.99	PK	H	32.56	5.71	0.00	116.26	110.26	N/A	N/A
5720	68.37	AV	H	32.56	5.71	0.00	106.64	100.64	N/A	N/A
5720	70.78	PK	V	32.56	5.71	0.00	109.05	103.05	N/A	N/A
5720	61.24	AV	V	32.56	5.71	0.00	99.51	93.51	N/A	N/A
11440	34.30	PK	H	37.95	8.22	26.02	54.45	48.45	74	25.55
11440	22.06	AV	H	37.95	8.22	26.02	42.21	36.21	54	17.79
17160	33.91	PK	H	42.64	10.70	25.89	61.36	55.36	74	18.64
17160	21.01	AV	H	42.64	10.70	25.89	48.46	42.46	54	11.54
3658	39.74	PK	H	27.63	4.41	26.58	45.2	39.2	74	34.8
3658	26.70	AV	H	27.63	4.41	26.58	32.16	26.16	54	27.84
6358	39.55	PK	H	33.26	6.08	26.57	52.32	46.32	74	27.68
6358	27.04	AV	H	33.26	6.08	26.57	39.81	33.81	54	20.19
280.26	51.94	QP	H	13.90	1.22	27.50	39.56	39.56	46.00	6.44
316.15	50.95	QP	H	14.50	1.19	27.60	39.04	39.04	46.00	6.96

802.11n ht20 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5500 MHz										
5500	77.77	PK	H	32.30	5.52	0.00	115.59	109.59	N/A	N/A
5500	67.42	AV	H	32.30	5.52	0.00	105.24	99.24	N/A	N/A
5500	69.12	PK	V	32.30	5.52	0.00	106.94	100.94	N/A	N/A
5500	58.50	AV	V	32.30	5.52	0.00	96.32	90.32	N/A	N/A
5470	30.75	PK	H	32.25	5.49	0.00	68.49	62.49	74	11.51
5470	15.48	AV	H	32.25	5.49	0.00	53.22	47.22	54	6.78
11000	33.94	PK	H	37.60	8.20	26.06	53.68	47.68	74	26.32
11000	22.15	AV	H	37.60	8.20	26.06	41.89	35.89	54	18.11
16500	33.92	PK	H	40.30	10.44	25.48	59.18	53.18	74	20.82
16500	21.64	AV	H	40.30	10.44	25.48	46.9	40.9	54	13.1
3528	40.07	PK	H	27.11	4.22	26.59	44.81	38.81	74	35.19
3528	28.78	AV	H	27.11	4.22	26.59	33.52	27.52	54	26.48
6695	38.45	PK	H	33.75	6.11	26.42	51.89	45.89	74	28.11
6695	26.89	AV	H	33.75	6.11	26.42	40.33	34.33	54	19.67
280.26	52.17	QP	H	13.90	1.22	27.50	39.79	39.79	46.00	6.21
316.15	50.99	QP	H	14.50	1.19	27.60	39.08	39.08	46.00	6.92
Middle Channel:5600 MHz										
5600	78.20	PK	H	32.42	5.61	0.00	116.23	110.23	N/A	N/A
5600	67.02	AV	H	32.42	5.61	0.00	105.05	99.05	N/A	N/A
5600	70.03	PK	V	32.42	5.61	0.00	108.06	102.06	N/A	N/A
5600	59.38	AV	V	32.42	5.61	0.00	97.41	91.41	N/A	N/A
11200	33.29	PK	H	37.76	8.21	26.04	53.22	47.22	74	26.78
11200	21.62	AV	H	37.76	8.21	26.04	41.55	35.55	54	18.45
16800	35.29	PK	H	41.26	10.43	25.59	61.39	55.39	74	18.61
16800	22.94	AV	H	41.26	10.43	25.59	49.04	43.04	54	10.96
3624	40.19	PK	H	27.50	4.36	26.58	45.47	39.47	74	34.53
3624	28.00	AV	H	27.50	4.36	26.58	33.28	27.28	54	26.72
6582	38.44	PK	H	33.55	6.12	26.49	51.62	45.62	74	28.38
6582	26.22	AV	H	33.55	6.12	26.49	39.4	33.4	54	20.6
280.26	51.89	QP	H	13.90	1.22	27.50	39.51	39.51	46.00	6.49
316.15	50.9	QP	H	14.50	1.19	27.60	38.99	38.99	46.00	7.01
High Channel:5700 MHz										
5700	77.50	PK	H	32.54	5.70	0.00	115.74	109.74	N/A	N/A
5700	67.70	AV	H	32.54	5.70	0.00	105.94	99.94	N/A	N/A
5700	69.69	PK	V	32.54	5.70	0.00	107.93	101.93	N/A	N/A
5700	58.70	AV	V	32.54	5.70	0.00	96.94	90.94	N/A	N/A
5725	27.59	PK	H	32.57	5.72	0.00	65.88	59.88	74	14.12
5725	14.53	AV	H	32.57	5.72	0.00	52.82	46.82	54	7.18
11400	33.67	PK	H	37.92	8.22	26.03	53.78	47.78	74	26.22
11400	22.49	AV	H	37.92	8.22	26.03	42.6	36.6	54	17.4
17100	34.77	PK	H	42.36	10.60	25.80	61.93	55.93	74	18.07
17100	21.82	AV	H	42.36	10.60	25.80	48.98	42.98	54	11.02
3658	40.20	PK	H	27.63	4.41	26.58	45.66	39.66	74	34.34
3658	27.70	AV	H	27.63	4.41	26.58	33.16	27.16	54	26.84
6358	38.38	PK	H	33.26	6.08	26.57	51.15	45.15	74	28.85
6358	26.70	AV	H	33.26	6.08	26.57	39.47	33.47	54	20.53
280.26	51.78	QP	H	13.90	1.22	27.50	39.40	39.40	46.00	6.60
316.15	50.72	QP	H	14.50	1.19	27.60	38.81	38.81	46.00	7.19

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5720 MHz										
5720	78.13	PK	H	32.56	5.71	0.00	116.4	110.4	N/A	N/A
5720	67.69	AV	H	32.56	5.71	0.00	105.96	99.96	N/A	N/A
5720	68.54	PK	V	32.56	5.71	0.00	106.81	100.81	N/A	N/A
5720	58.86	AV	V	32.56	5.71	0.00	97.13	91.13	N/A	N/A
11440	34.00	PK	H	37.95	8.22	26.02	54.15	48.15	74	25.85
11440	22.00	AV	H	37.95	8.22	26.02	42.15	36.15	54	17.85
17160	33.13	PK	H	42.64	10.70	25.89	60.58	54.58	74	19.42
17160	21.33	AV	H	42.64	10.70	25.89	48.78	42.78	54	11.22
3658	38.19	PK	H	27.63	4.41	26.58	43.65	37.65	74	36.35
3658	27.23	AV	H	27.63	4.41	26.58	32.69	26.69	54	27.31
6358	35.78	PK	H	33.26	6.08	26.57	48.55	42.55	74	31.45
6358	25.60	AV	H	33.26	6.08	26.57	38.37	32.37	54	21.63
280.26	52.78	QP	H	13.90	1.22	27.50	40.40	40.40	46.00	5.60
316.15	52.79	QP	H	14.50	1.19	27.60	40.88	40.88	46.00	5.12

802.11ac 20 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5500 MHz										
5500	78.44	PK	H	32.30	5.52	0.00	116.26	110.26	N/A	N/A
5500	67.62	AV	H	32.30	5.52	0.00	105.44	99.44	N/A	N/A
5500	72.07	PK	V	32.30	5.52	0.00	109.89	103.89	N/A	N/A
5500	61.61	AV	V	32.30	5.52	0.00	99.43	93.43	N/A	N/A
5470	29.54	PK	H	32.25	5.49	0.00	67.28	61.28	74	12.72
5470	15.58	AV	H	32.25	5.49	0.00	53.32	47.32	54	6.68
11000	33.99	PK	H	37.60	8.20	26.06	53.73	47.73	74	26.27
11000	21.12	AV	H	37.60	8.20	26.06	40.86	34.86	54	19.14
16500	33.84	PK	H	40.30	10.44	25.48	59.1	53.1	74	20.9
16500	22.32	AV	H	40.30	10.44	25.48	47.58	41.58	54	12.42
1425	37.54	PK	H	23.91	2.57	26.40	37.62	31.62	74	42.38
1425	26.07	AV	H	23.91	2.57	26.40	26.15	20.15	54	33.85
3478	39.39	PK	H	26.88	4.15	26.58	43.84	37.84	74	36.16
3478	29.08	AV	H	26.88	4.15	26.58	33.53	27.53	54	26.47
280.26	53.02	QP	H	13.90	1.22	27.50	40.64	40.64	46.00	5.36
316.15	52.97	QP	H	14.50	1.19	27.60	41.06	41.06	46.00	4.94
Middle Channel:5600 MHz										
5600	79.28	PK	H	32.42	5.61	0.00	117.31	111.31	N/A	N/A
5600	68.06	AV	H	32.42	5.61	0.00	106.09	100.09	N/A	N/A
5600	72.68	PK	V	32.42	5.61	0.00	110.71	104.71	N/A	N/A
5600	62.15	AV	V	32.42	5.61	0.00	100.18	94.18	N/A	N/A
11200	33.86	PK	H	37.76	8.21	26.04	53.79	47.79	74	26.21
11200	22.47	AV	H	37.76	8.21	26.04	42.4	36.4	54	17.6
16800	35.29	PK	H	41.26	10.43	25.59	61.39	55.39	74	18.61
16800	22.97	AV	H	41.26	10.43	25.59	49.07	43.07	54	10.93
2065	38.50	PK	H	24.68	3.04	26.83	39.39	33.39	74	40.61
2065	26.96	AV	H	24.68	3.04	26.83	27.85	21.85	54	32.15
6624	36.20	PK	H	33.62	6.12	26.46	49.48	43.48	74	30.52
6624	26.68	AV	H	33.62	6.12	26.46	39.96	33.96	54	20.04
280.26	53.21	QP	H	13.90	1.22	27.50	40.83	40.83	46.00	5.17
316.15	53.14	QP	H	14.50	1.19	27.60	41.23	41.23	46.00	4.77
High Channel:5700 MHz										
5700	78.63	PK	H	32.54	5.70	0.00	116.87	110.87	N/A	N/A
5700	67.84	AV	H	32.54	5.70	0.00	106.08	100.08	N/A	N/A
5700	72.34	PK	V	32.54	5.70	0.00	110.58	104.58	N/A	N/A
5700	61.49	AV	V	32.54	5.70	0.00	99.73	93.73	N/A	N/A
5725	26.98	PK	H	32.57	5.72	0.00	65.27	59.27	74	14.73
5725	14.42	AV	H	32.57	5.72	0.00	52.71	46.71	54	7.29
11400	34.14	PK	H	37.92	8.22	26.03	54.25	48.25	74	25.75
11400	22.78	AV	H	37.92	8.22	26.03	42.89	36.89	54	17.11
17100	34.34	PK	H	42.36	10.60	25.80	61.5	55.5	74	18.5
17100	22.76	AV	H	42.36	10.60	25.80	49.92	43.92	54	10.08
1846	35.46	PK	H	24.65	2.93	26.67	36.37	30.37	74	43.63
1846	25.71	AV	H	24.65	2.93	26.67	26.62	20.62	54	33.38
4422	37.74	PK	H	29.68	5.22	26.80	45.84	39.84	74	34.16
4422	27.26	AV	H	29.68	5.22	26.80	35.36	29.36	54	24.64
280.26	52.55	QP	H	13.90	1.22	27.50	40.17	40.17	46.00	5.83
316.15	52.65	QP	H	14.50	1.19	27.60	40.74	40.74	46.00	5.26

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5720 MHz										
5720	79.49	PK	H	32.56	5.71	0.00	117.76	111.76	N/A	N/A
5720	68.47	AV	H	32.56	5.71	0.00	106.74	100.74	N/A	N/A
5720	72.69	PK	V	32.56	5.71	0.00	110.96	104.96	N/A	N/A
5720	62.05	AV	V	32.56	5.71	0.00	100.32	94.32	N/A	N/A
11440	34.01	PK	H	37.95	8.22	26.02	54.16	48.16	74	25.84
11440	22.09	AV	H	37.95	8.22	26.02	42.24	36.24	54	17.76
17160	33.82	PK	H	42.64	10.70	25.89	61.27	55.27	74	18.73
17160	22.24	AV	H	42.64	10.70	25.89	49.69	43.69	54	10.31
1632	35.77	PK	H	24.31	2.77	26.46	36.39	30.39	74	43.61
1632	25.14	AV	H	24.31	2.77	26.46	25.76	19.76	54	34.24
6235	36.22	PK	H	33.14	6.04	26.60	48.8	42.8	74	31.2
6235	26.40	AV	H	33.14	6.04	26.60	38.98	32.98	54	21.02
280.26	52.78	QP	H	13.90	1.22	27.50	40.40	40.40	46.00	5.60
316.15	52.69	QP	H	14.50	1.19	27.60	40.78	40.78	46.00	5.22

802.11n ht40 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5510 MHz										
5510	71.92	PK	H	32.31	5.53	0.00	109.76	103.76	N/A	N/A
5510	61.73	AV	H	32.31	5.53	0.00	99.57	93.57	N/A	N/A
5510	65.61	PK	V	32.31	5.53	0.00	103.45	97.45	N/A	N/A
5510	55.55	AV	V	32.31	5.53	0.00	93.39	87.39	N/A	N/A
5470	28.56	PK	H	32.25	5.49	0.00	66.3	60.3	74	13.7
5470	15.75	AV	H	32.25	5.49	0.00	53.49	47.49	54	6.51
11020	32.72	PK	H	37.62	8.20	26.06	52.48	46.48	74	27.52
11020	21.71	AV	H	37.62	8.20	26.06	41.47	35.47	54	18.53
16530	34.26	PK	H	40.40	10.44	25.49	59.61	53.61	74	20.39
16530	22.42	AV	H	40.40	10.44	25.49	47.77	41.77	54	12.23
3325	40.88	PK	H	26.02	3.92	26.53	44.29	38.29	74	35.71
3325	28.91	AV	H	26.02	3.92	26.53	32.32	26.32	54	27.68
6427	39.25	PK	H	33.33	6.11	26.55	52.14	46.14	74	27.86
6427	26.22	AV	H	33.33	6.11	26.55	39.11	33.11	54	20.89
280.26	52.5	QP	H	13.90	1.22	27.50	40.12	40.12	46.00	5.88
316.15	52.6	QP	H	14.50	1.19	27.60	40.69	40.69	46.00	5.31
Middle Channel:5590 MHz										
5590	72.57	PK	H	32.41	5.60	0.00	110.58	104.58	N/A	N/A
5590	61.52	AV	H	32.41	5.60	0.00	99.53	93.53	N/A	N/A
5590	65.92	PK	V	32.41	5.60	0.00	103.93	97.93	N/A	N/A
5590	55.18	AV	V	32.41	5.60	0.00	93.19	87.19	N/A	N/A
11180	34.35	PK	H	37.74	8.21	26.05	54.25	48.25	74	25.75
11180	22.45	AV	H	37.74	8.21	26.05	42.35	36.35	54	17.65
16770	35.07	PK	H	41.16	10.43	25.58	61.08	55.08	74	18.92
16770	22.78	AV	H	41.16	10.43	25.58	48.79	42.79	54	11.21
3525	40.42	PK	H	27.10	4.22	26.59	45.15	39.15	74	34.85
3525	28.35	AV	H	27.10	4.22	26.59	33.08	27.08	54	26.92
6374	38.80	PK	H	33.27	6.09	26.56	51.6	45.6	74	28.4
6374	26.69	AV	H	33.27	6.09	26.56	39.49	33.49	54	20.51
280.26	52.39	QP	H	13.90	1.22	27.50	40.01	40.01	46.00	5.99
316.15	52.42	QP	H	14.50	1.19	27.60	40.51	40.51	46.00	5.49
High Channel:5670 MHz										
5670	71.33	PK	H	32.50	5.67	0.00	109.5	103.5	N/A	N/A
5670	61.81	AV	H	32.50	5.67	0.00	99.98	93.98	N/A	N/A
5670	65.11	PK	V	32.50	5.67	0.00	103.28	97.28	N/A	N/A
5670	54.86	AV	V	32.50	5.67	0.00	93.03	87.03	N/A	N/A
5725	26.77	PK	H	32.57	5.72	0.00	65.06	59.06	74	14.94
5725	14.35	AV	H	32.57	5.72	0.00	52.64	46.64	54	7.36
11340	33.64	PK	H	37.87	8.21	26.03	53.69	47.69	74	26.31
11340	22.90	AV	H	37.87	8.21	26.03	42.95	36.95	54	17.05
17010	34.89	PK	H	41.95	10.45	25.67	61.62	55.62	74	18.38
17010	23.39	AV	H	41.95	10.45	25.67	50.12	44.12	54	9.88
1764	37.48	PK	H	24.52	2.87	26.59	38.28	32.28	74	41.72
1764	24.62	AV	H	24.52	2.87	26.59	25.42	19.42	54	34.58
3364	42.42	PK	H	26.24	3.98	26.54	46.1	40.1	74	33.9
3364	30.36	AV	H	26.24	3.98	26.54	34.04	28.04	54	25.96
280.26	52.69	QP	H	13.90	1.22	27.50	40.31	40.31	46.00	5.69
316.15	52.09	QP	H	14.50	1.19	27.60	40.18	40.18	46.00	5.82

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5710 MHz										
5710	71.91	PK	H	32.55	5.70	0.00	110.16	104.16	N/A	N/A
5710	62.15	AV	H	32.55	5.70	0.00	100.4	94.4	N/A	N/A
5710	65.05	PK	V	32.55	5.70	0.00	103.3	97.3	N/A	N/A
5710	55.32	AV	V	32.55	5.70	0.00	93.57	87.57	N/A	N/A
11420	33.92	PK	H	37.94	8.22	26.03	54.05	48.05	74	25.95
11420	21.78	AV	H	37.94	8.22	26.03	41.91	35.91	54	18.09
17130	33.51	PK	H	42.50	10.65	25.84	60.82	54.82	74	19.18
17130	22.09	AV	H	42.50	10.65	25.84	49.4	43.4	54	10.6
3357	41.36	PK	H	26.20	3.97	26.54	44.99	38.99	74	35.01
3357	29.64	AV	H	26.20	3.97	26.54	33.27	27.27	54	26.73
6733	39.13	PK	H	33.82	6.10	26.40	52.65	46.65	74	27.35
6733	26.35	AV	H	33.82	6.10	26.40	39.87	33.87	54	20.13
280.26	52.93	QP	H	13.90	1.22	27.50	40.55	40.55	46.00	5.45
316.15	52.27	QP	H	14.50	1.19	27.60	40.36	40.36	46.00	5.64

802.11 ac 40 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5510 MHz										
5510	72.15	PK	H	32.31	5.53	0.00	109.99	103.99	N/A	N/A
5510	62.19	AV	H	32.31	5.53	0.00	100.03	94.03	N/A	N/A
5510	65.65	PK	V	32.31	5.53	0.00	103.49	97.49	N/A	N/A
5510	55.14	AV	V	32.31	5.53	0.00	92.98	86.98	N/A	N/A
5470	28.87	PK	H	32.25	5.49	0.00	66.61	60.61	74	13.39
5470	15.96	AV	H	32.25	5.49	0.00	53.7	47.7	54	6.3
11020	33.21	PK	H	37.62	8.20	26.06	52.97	46.97	74	27.03
11020	22.08	AV	H	37.62	8.20	26.06	41.84	35.84	54	18.16
16530	33.94	PK	H	40.40	10.44	25.49	59.29	53.29	74	20.71
16530	22.06	AV	H	40.40	10.44	25.49	47.41	41.41	54	12.59
3215	43.53	PK	H	25.40	3.75	26.49	46.19	40.19	74	33.81
3215	31.55	AV	H	25.40	3.75	26.49	34.21	28.21	54	25.79
6123	38.65	PK	H	33.02	6.00	26.63	51.04	45.04	74	28.96
6123	26.28	AV	H	33.02	6.00	26.63	38.67	32.67	54	21.33
280.26	53.12	QP	H	13.90	1.22	27.50	40.74	40.74	46.00	5.26
316.15	52.44	QP	H	14.50	1.19	27.60	40.53	40.53	46.00	5.47
Middle Channel:5590 MHz										
5590	72.81	PK	H	32.41	5.60	0.00	110.82	104.82	N/A	N/A
5590	62.57	AV	H	32.41	5.60	0.00	100.58	94.58	N/A	N/A
5590	65.63	PK	V	32.41	5.60	0.00	103.64	97.64	N/A	N/A
5590	55.29	AV	V	32.41	5.60	0.00	93.3	87.3	N/A	N/A
11180	33.10	PK	H	37.74	8.21	26.05	53	47	74	27
11180	21.26	AV	H	37.74	8.21	26.05	41.16	35.16	54	18.84
16770	34.58	PK	H	41.16	10.43	25.58	60.59	54.59	74	19.41
16770	23.36	AV	H	41.16	10.43	25.58	49.37	43.37	54	10.63
1268	38.63	PK	H	23.50	2.35	26.55	37.93	31.93	74	42.07
1268	26.60	AV	H	23.50	2.35	26.55	25.9	19.9	54	34.1
3372	41.63	PK	H	26.28	3.99	26.54	45.36	39.36	74	34.64
3372	29.30	AV	H	26.28	3.99	26.54	33.03	27.03	54	26.97
280.26	52.46	QP	H	13.90	1.22	27.50	40.08	40.08	46.00	5.92
316.15	51.95	QP	H	14.50	1.19	27.60	40.04	40.04	46.00	5.96
HiHq Channel:5670 MHz										
5670	72.39	PK	H	32.50	5.67	0.00	110.56	104.56	N/A	N/A
5670	61.43	AV	H	32.50	5.67	0.00	99.6	93.6	N/A	N/A
5670	65.85	PK	V	32.50	5.67	0.00	104.02	98.02	N/A	N/A
5670	54.87	AV	V	32.50	5.67	0.00	93.04	87.04	N/A	N/A
5725	27.04	PK	H	32.57	5.72	0.00	65.33	59.33	74	14.67
5725	14.10	AV	H	32.57	5.72	0.00	52.39	46.39	54	7.61
11340	33.78	PK	H	37.87	8.21	26.03	53.83	47.83	74	26.17
11340	21.72	AV	H	37.87	8.21	26.03	41.77	35.77	54	18.23
17010	34.80	PK	H	41.95	10.45	25.67	61.53	55.53	74	18.47
17010	22.35	AV	H	41.95	10.45	25.67	49.08	43.08	54	10.92
1557	37.46	PK	H	24.19	2.71	26.39	37.97	31.97	74	42.03
1557	25.26	AV	H	24.19	2.71	26.39	25.77	19.77	54	34.23
3045	42.84	PK	H	24.45	3.50	26.43	44.36	38.36	74	35.64
3045	32.06	AV	H	24.45	3.50	26.43	33.58	27.58	54	26.42
280.26	52.69	QP	H	13.90	1.22	27.50	40.31	40.31	46.00	5.69
316.15	51.99	QP	H	14.50	1.19	27.60	40.08	40.08	46.00	5.92

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dB $\mu$ V/m)	Extrapolation Result dB $\mu$ V/m	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5710 MHz										
5710	72.89	PK	H	32.55	5.70	0.00	111.14	105.14	N/A	N/A
5710	61.93	AV	H	32.55	5.70	0.00	100.18	94.18	N/A	N/A
5710	66.18	PK	V	32.55	5.70	0.00	104.43	98.43	N/A	N/A
5710	54.51	AV	V	32.55	5.70	0.00	92.76	86.76	N/A	N/A
11420	33.68	PK	H	37.94	8.22	26.03	53.81	47.81	74	26.19
11420	22.66	AV	H	37.94	8.22	26.03	42.79	36.79	54	17.21
17130	34.55	PK	H	42.50	10.65	25.84	61.86	55.86	74	18.14
17130	22.51	AV	H	42.50	10.65	25.84	49.82	43.82	54	10.18
3022	43.77	PK	H	24.32	3.46	26.42	45.13	39.13	74	34.87
3022	32.71	AV	H	24.32	3.46	26.42	34.07	28.07	54	25.93
6147	36.47	PK	H	33.05	6.01	26.62	48.91	42.91	74	31.09
6147	26.73	AV	H	33.05	6.01	26.62	39.17	33.17	54	20.83
280.26	52.41	QP	H	13.90	1.22	27.50	40.03	40.03	46.00	5.97
316.15	51.9	QP	H	14.50	1.19	27.60	39.99	39.99	46.00	6.01

802.11 ac 80 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5530 MHz										
5530	66.87	PK	H	32.34	5.55	0.00	104.76	98.76	N/A	N/A
5530	55.00	AV	H	32.34	5.55	0.00	92.89	86.89	N/A	N/A
5530	60.02	PK	V	32.34	5.55	0.00	97.91	91.91	N/A	N/A
5530	49.23	AV	V	32.34	5.55	0.00	87.12	81.12	N/A	N/A
5470	26.64	PK	H	32.25	5.49	0.00	64.38	58.38	74	15.62
5470	14.82	AV	H	32.25	5.49	0.00	52.56	46.56	54	7.44
11060	33.67	PK	H	37.65	8.20	26.06	53.46	47.46	74	26.54
11060	21.13	AV	H	37.65	8.20	26.06	40.92	34.92	54	19.08
16590	34.24	PK	H	40.59	10.44	25.51	59.76	53.76	74	20.24
16590	21.96	AV	H	40.59	10.44	25.51	47.48	41.48	54	12.52
3024	43.64	PK	H	24.33	3.47	26.42	45.02	39.02	74	34.98
3024	31.99	AV	H	24.33	3.47	26.42	33.37	27.37	54	26.63
280.26	52.3	QP	H	13.90	1.22	27.50	39.92	39.92	46.00	6.08
316.15	51.72	QP	H	14.50	1.19	27.60	39.81	39.81	46.00	6.19
High Channel:5610 MHz										
5610	66.65	PK	H	32.43	5.62	0.00	104.7	98.7	N/A	N/A
5610	55.58	AV	H	32.43	5.62	0.00	93.63	87.63	N/A	N/A
5610	60.34	PK	V	32.43	5.62	0.00	98.39	92.39	N/A	N/A
5610	48.95	AV	V	32.43	5.62	0.00	87	81	N/A	N/A
5725	26.94	PK	H	32.57	5.72	0.00	65.23	59.23	74	14.77
5725	14.25	AV	H	32.57	5.72	0.00	52.54	46.54	54	7.46
11220	31.48	PK	H	37.78	8.21	26.04	51.43	45.43	74	28.57
11220	20.86	AV	H	37.78	8.21	26.04	40.81	34.81	54	19.19
16830	41.48	PK	H	41.36	10.43	25.60	67.67	61.67	74	12.33
16830	29.47	AV	H	41.36	10.43	25.60	55.66	49.66	54	4.34
6048	35.34	PK	H	32.95	5.98	26.65	47.62	41.62	74	32.38
6048	26.36	AV	H	32.95	5.98	26.65	38.64	32.64	54	21.36
280.26	52.69	QP	H	13.90	1.22	27.50	40.31	40.31	46.00	5.69
316.15	51.09	QP	H	14.50	1.19	27.60	39.18	39.18	46.00	6.82
Crossed Channel:5690 MHz										
5690	66.43	PK	H	32.53	5.69	0.00	104.65	98.65	N/A	N/A
5690	54.81	AV	H	32.53	5.69	0.00	93.03	87.03	N/A	N/A
5690	59.59	PK	V	32.53	5.69	0.00	97.81	91.81	N/A	N/A
5690	48.48	AV	V	32.53	5.69	0.00	86.7	80.7	N/A	N/A
11380	31.94	PK	H	37.90	8.22	26.03	52.03	46.03	74	27.97
11380	19.61	AV	H	37.90	8.22	26.03	39.7	33.7	54	20.3
17070	34.90	PK	H	42.22	10.55	25.76	61.91	55.91	74	18.09
17070	22.70	AV	H	42.22	10.55	25.76	49.71	43.71	54	10.29
3368	41.15	PK	H	26.26	3.98	26.54	44.85	38.85	74	35.15
3368	29.62	AV	H	26.26	3.98	26.54	33.32	27.32	54	26.68
280.26	52.93	QP	H	13.90	1.22	27.50	40.55	40.55	46.00	5.45
316.15	51.27	QP	H	14.50	1.19	27.60	39.36	39.36	46.00	6.64

**5725-5850MHz:**

802.11a mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5745 MHz										
5745	76.03	PK	H	32.59	5.74	0.00	114.36	108.36	N/A	N/A
5745	65.66	AV	H	32.59	5.74	0.00	103.99	97.99	N/A	N/A
5745	68.78	PK	V	32.59	5.74	0.00	107.11	101.11	N/A	N/A
5745	58.63	AV	V	32.59	5.74	0.00	96.96	90.96	N/A	N/A
5725	36.04	PK	H	32.57	5.72	0.00	74.33	68.33	122.20	53.87
5720	33.09	PK	H	32.56	5.71	0.00	71.36	65.36	110.80	45.44
5700	26.03	PK	H	32.54	5.70	0.00	64.27	58.27	105.20	46.93
5650	26.00	PK	H	32.48	5.65	0.00	64.13	58.13	68.20	10.07
11490	35.82	PK	H	37.99	8.22	26.02	56.01	50.01	74.00	23.99
11490	24.77	AV	H	37.99	8.22	26.02	44.96	38.96	54.00	15.04
17235	34.85	PK	H	42.98	10.82	25.99	62.66	56.66	74.00	17.34
17235	23.89	AV	H	42.98	10.82	25.99	51.70	45.70	54.00	8.30
4255	33.81	PK	H	29.41	5.10	26.70	41.62	35.62	74.00	38.38
4255	22.57	AV	H	29.41	5.10	26.70	30.38	24.38	54.00	29.62
6337	33.10	PK	H	33.24	6.07	26.57	45.84	39.84	74.00	34.16
6337	22.61	AV	H	33.24	6.07	26.57	35.35	29.35	54.00	24.65
280.26	54.23	QP	H	13.90	1.22	27.50	41.85	41.85	46.00	4.15
316.15	53.79	QP	H	14.50	1.19	27.60	41.88	41.88	46.00	4.12
Middle Channel:5785 MHz										
5785	76.13	PK	H	32.64	5.77	0.00	114.54	108.54	N/A	N/A
5785	66.04	AV	H	32.64	5.77	0.00	104.45	98.45	N/A	N/A
5785	68.74	PK	V	32.64	5.77	0.00	107.15	101.15	N/A	N/A
5785	59.17	AV	V	32.64	5.77	0.00	97.58	91.58	N/A	N/A
11570	35.90	PK	H	38.03	8.21	26.00	56.14	50.14	74.00	23.86
11570	24.91	AV	H	38.03	8.21	26.00	45.15	39.15	54.00	14.85
17355	34.75	PK	H	43.53	11.03	26.16	63.15	57.15	74.00	16.85
17355	22.94	AV	H	43.53	11.03	26.16	51.34	45.34	54.00	8.66
3596	35.16	PK	H	27.38	4.32	26.58	40.28	34.28	74.00	39.72
3596	23.87	AV	H	27.38	4.32	26.58	28.99	22.99	54.00	31.01
6438	32.60	PK	H	33.34	6.11	26.55	45.50	39.50	74.00	34.50
6438	22.78	AV	H	33.34	6.11	26.55	35.68	29.68	54.00	24.32
280.26	54.47	QP	H	13.90	1.22	27.50	42.09	42.09	46.00	3.91
316.15	53.97	QP	H	14.50	1.19	27.60	42.06	42.06	46.00	3.94

High Channel:5825 MHz										
5825	76.02	PK	H	32.69	5.81	0.00	114.52	108.52	N/A	N/A
5825	65.24	AV	H	32.69	5.81	0.00	103.74	97.74	N/A	N/A
5825	69.17	PK	V	32.69	5.81	0.00	107.67	101.67	N/A	N/A
5825	57.69	AV	V	32.69	5.81	0.00	96.19	90.19	N/A	N/A
5850	33.06	PK	H	32.72	5.83	0.00	71.61	65.61	122.20	56.59
5855	29.93	PK	H	32.73	5.83	0.00	68.49	62.49	110.80	48.31
5875	25.84	PK	H	32.75	5.85	0.00	64.44	58.44	105.20	46.76
5925	26.86	PK	H	32.81	5.89	0.00	65.56	59.56	68.20	8.64
11650	36.26	PK	H	38.06	8.20	25.98	56.54	50.54	74.00	23.46
11650	24.82	AV	H	38.06	8.20	25.98	45.10	39.10	54.00	14.90
17475	34.92	PK	H	44.09	11.23	26.33	63.91	57.91	74.00	16.09
17475	23.37	AV	H	44.09	11.23	26.33	52.36	46.36	54.00	7.64
4225	33.93	PK	H	29.36	5.08	26.69	41.68	35.68	74.00	38.32
4225	22.59	AV	H	29.36	5.08	26.69	30.34	24.34	54.00	29.66
6254	33.51	PK	H	33.15	6.05	26.59	46.12	40.12	74.00	33.88
6254	22.60	AV	H	33.15	6.05	26.59	35.21	29.21	54.00	24.79
280.26	54.66	QP	H	13.90	1.22	27.50	42.28	42.28	46.00	3.72
316.15	54.14	QP	H	14.50	1.19	27.60	42.23	42.23	46.00	3.77

802.11n ht20 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5745 MHz										
5745	75.91	PK	H	32.59	5.74	0.00	114.24	108.24	N/A	N/A
5745	65.47	AV	H	32.59	5.74	0.00	103.80	97.80	N/A	N/A
5745	67.60	PK	V	32.59	5.74	0.00	105.93	99.93	N/A	N/A
5745	57.73	AV	V	32.59	5.74	0.00	96.06	90.06	N/A	N/A
5725	36.70	PK	H	32.57	5.72	0.00	74.99	68.99	122.20	53.21
5720	32.87	PK	H	32.56	5.71	0.00	71.14	65.14	110.80	45.66
5700	28.10	PK	H	32.54	5.70	0.00	66.34	60.34	105.20	44.86
5650	25.60	PK	H	32.48	5.65	0.00	63.73	57.73	68.20	10.47
11490	36.26	PK	H	37.99	8.22	26.02	56.45	50.45	74.00	23.55
11490	25.61	AV	H	37.99	8.22	26.02	45.80	39.80	54.00	14.20
17235	35.74	PK	H	42.98	10.82	25.99	63.55	57.55	74.00	16.45
17235	24.19	AV	H	42.98	10.82	25.99	52.00	46.00	54.00	8.00
4135	33.63	PK	H	29.22	5.01	26.63	41.23	35.23	74.00	38.77
4135	23.19	AV	H	29.22	5.01	26.63	30.79	24.79	54.00	29.21
6253	33.38	PK	H	33.15	6.05	26.59	45.99	39.99	74.00	34.01
6253	22.23	AV	H	33.15	6.05	26.59	34.84	28.84	54.00	25.16
280.26	54	QP	H	13.90	1.22	27.50	41.62	41.62	46.00	4.38
316.15	53.65	QP	H	14.50	1.19	27.60	41.74	41.74	46.00	4.26
Middle Channel:5785 MHz										
5785	76.30	PK	H	32.64	5.77	0.00	114.71	108.71	N/A	N/A
5785	65.48	AV	H	32.64	5.77	0.00	103.89	97.89	N/A	N/A
5785	67.35	PK	V	32.64	5.77	0.00	105.76	99.76	N/A	N/A
5785	57.70	AV	V	32.64	5.77	0.00	96.11	90.11	N/A	N/A
11570	36.77	PK	H	38.03	8.21	26.00	57.01	51.01	74.00	22.99
11570	25.69	AV	H	38.03	8.21	26.00	45.93	39.93	54.00	14.07
17355	35.62	PK	H	43.53	11.03	26.16	64.02	58.02	74.00	15.98
17355	23.91	AV	H	43.53	11.03	26.16	52.31	46.31	54.00	7.69
3596	34.73	PK	H	27.38	4.32	26.58	39.85	33.85	74.00	40.15
3596	24.47	AV	H	27.38	4.32	26.58	29.59	23.59	54.00	30.41
6452	33.53	PK	H	33.35	6.11	26.54	46.45	40.45	74.00	33.55
6452	22.78	AV	H	33.35	6.11	26.54	35.70	29.70	54.00	24.30
280.26	54.23	QP	H	13.90	1.22	27.50	41.85	41.85	46.00	4.15
316.15	53.69	QP	H	14.50	1.19	27.60	41.78	41.78	46.00	4.22

High Channel:5825 MHz										
5825	76.00	PK	H	32.69	5.81	0.00	114.50	108.50	N/A	N/A
5825	65.31	AV	H	32.69	5.81	0.00	103.81	97.81	N/A	N/A
5825	67.91	PK	V	32.69	5.81	0.00	106.41	100.41	N/A	N/A
5825	56.74	AV	V	32.69	5.81	0.00	95.24	89.24	N/A	N/A
5850	32.01	PK	H	32.72	5.83	0.00	70.56	64.56	122.20	57.64
5855	29.32	PK	H	32.73	5.83	0.00	67.88	61.88	110.80	48.92
5875	26.65	PK	H	32.75	5.85	0.00	65.25	59.25	105.20	45.95
5925	26.30	PK	H	32.81	5.89	0.00	65.00	59.00	68.20	9.20
11650	37.15	PK	H	38.06	8.20	25.98	57.43	51.43	74.00	22.57
11650	26.37	AV	H	38.06	8.20	25.98	46.65	40.65	54.00	13.35
17475	34.72	PK	H	44.09	11.23	26.33	63.71	57.71	74.00	16.29
17475	23.49	AV	H	44.09	11.23	26.33	52.48	46.48	54.00	7.52
4758	33.27	PK	H	30.63	5.15	26.87	42.18	36.18	74.00	37.82
4758	23.28	AV	H	30.63	5.15	26.87	32.19	26.19	54.00	27.81
6634	33.82	PK	H	33.64	6.11	26.46	47.11	41.11	74.00	32.89
6634	22.00	AV	H	33.64	6.11	26.46	35.29	29.29	54.00	24.71
280.26	53.95	QP	H	13.90	1.22	27.50	41.57	41.57	46.00	4.43
316.15	53.6	QP	H	14.50	1.19	27.60	41.69	41.69	46.00	4.31

802.11ac 20 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5745 MHz										
5745	76.01	PK	H	32.59	5.74	0.00	114.34	108.34	N/A	N/A
5745	65.24	AV	H	32.59	5.74	0.00	103.57	97.57	N/A	N/A
5745	67.69	PK	V	32.59	5.74	0.00	106.02	100.02	N/A	N/A
5745	58.08	AV	V	32.59	5.74	0.00	96.41	90.41	N/A	N/A
5725	36.86	PK	H	32.57	5.72	0.00	75.15	69.15	122.20	53.05
5720	33.17	PK	H	32.56	5.71	0.00	71.44	65.44	110.80	45.36
5700	27.01	PK	H	32.54	5.70	0.00	65.25	59.25	105.20	45.95
5650	25.41	PK	H	32.48	5.65	0.00	63.54	57.54	68.20	10.66
11490	36.14	PK	H	37.99	8.22	26.02	56.33	50.33	74.00	23.67
11490	25.26	AV	H	37.99	8.22	26.02	45.45	39.45	54.00	14.55
17235	35.27	PK	H	42.98	10.82	25.99	63.08	57.08	74.00	16.92
17235	24.56	AV	H	42.98	10.82	25.99	52.37	46.37	54.00	7.63
4259	34.00	PK	H	29.41	5.10	26.71	41.80	35.80	74.00	38.20
4259	22.45	AV	H	29.41	5.10	26.71	30.25	24.25	54.00	29.75
6334	33.08	PK	H	33.23	6.07	26.57	45.81	39.81	74.00	34.19
6334	22.30	AV	H	33.23	6.07	26.57	35.03	29.03	54.00	24.97
280.26	53.84	QP	H	13.90	1.22	27.50	41.46	41.46	46.00	4.54
316.15	53.42	QP	H	14.50	1.19	27.60	41.51	41.51	46.00	4.49
Middle Channel:5785 MHz										
5785	75.56	PK	H	32.64	5.77	0.00	113.97	107.97	N/A	N/A
5785	64.97	AV	H	32.64	5.77	0.00	103.38	97.38	N/A	N/A
5785	67.21	PK	V	32.64	5.77	0.00	105.62	99.62	N/A	N/A
5785	57.47	AV	V	32.64	5.77	0.00	95.88	89.88	N/A	N/A
11570	36.01	PK	H	38.03	8.21	26.00	56.25	50.25	74.00	23.75
11570	24.44	AV	H	38.03	8.21	26.00	44.68	38.68	54.00	15.32
17355	34.34	PK	H	43.53	11.03	26.16	62.74	56.74	74.00	17.26
17355	23.65	AV	H	43.53	11.03	26.16	52.05	46.05	54.00	7.95
4452	33.22	PK	H	29.72	5.24	26.82	41.36	35.36	74.00	38.64
4452	21.68	AV	H	29.72	5.24	26.82	29.82	23.82	54.00	30.18
6754	32.84	PK	H	33.86	6.10	26.39	46.41	40.41	74.00	33.59
6754	23.09	AV	H	33.86	6.10	26.39	36.66	30.66	54.00	23.34
280.26	54.27	QP	H	13.90	1.22	27.50	41.89	41.89	46.00	4.11
316.15	53.08	QP	H	14.50	1.19	27.60	41.17	41.17	46.00	4.83

High Channel:5825 MHz										
5825	75.79	PK	H	32.69	5.81	0.00	114.29	108.29	N/A	N/A
5825	65.26	AV	H	32.69	5.81	0.00	103.76	97.76	N/A	N/A
5825	66.88	PK	V	32.69	5.81	0.00	105.38	99.38	N/A	N/A
5825	56.15	AV	V	32.69	5.81	0.00	94.65	88.65	N/A	N/A
5850	31.56	PK	H	32.72	5.83	0.00	70.11	64.11	122.20	58.09
5855	28.77	PK	H	32.73	5.83	0.00	67.33	61.33	110.80	49.47
5875	25.58	PK	H	32.75	5.85	0.00	64.18	58.18	105.20	47.02
5925	25.98	PK	H	32.81	5.89	0.00	64.68	58.68	68.20	9.52
11650	36.58	PK	H	38.06	8.20	25.98	56.86	50.86	74.00	23.14
11650	24.81	AV	H	38.06	8.20	25.98	45.09	39.09	54.00	14.91
17475	33.75	PK	H	44.09	11.23	26.33	62.74	56.74	74.00	17.26
17475	23.60	AV	H	44.09	11.23	26.33	52.59	46.59	54.00	7.41
4205	33.38	PK	H	29.33	5.06	26.67	41.10	35.10	74.00	38.90
4205	22.49	AV	H	29.33	5.06	26.67	30.21	24.21	54.00	29.79
6337	33.04	PK	H	33.24	6.07	26.57	45.78	39.78	74.00	34.22
6337	23.15	AV	H	33.24	6.07	26.57	35.89	29.89	54.00	24.11
280.26	54.51	QP	H	13.90	1.22	27.50	42.13	42.13	46.00	3.87
316.15	53.26	QP	H	14.50	1.19	27.60	41.35	41.35	46.00	4.65

802.11n ht40 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5755 MHz										
5755	70.47	PK	H	32.61	5.74	0.00	108.82	102.82	N/A	N/A
5755	59.73	AV	H	32.61	5.74	0.00	98.08	92.08	N/A	N/A
5755	64.54	PK	V	32.61	5.74	0.00	102.89	96.89	N/A	N/A
5755	54.19	AV	V	32.61	5.74	0.00	92.54	86.54	N/A	N/A
5725	31.98	PK	H	32.57	5.72	0.00	70.27	64.27	122.20	57.93
5720	31.89	PK	H	32.56	5.71	0.00	70.16	64.16	110.80	46.64
5700	26.28	PK	H	32.54	5.70	0.00	64.52	58.52	105.20	46.68
5650	25.83	PK	H	32.48	5.65	0.00	63.96	57.96	68.20	10.24
11510	36.39	PK	H	38.00	8.22	26.02	56.59	50.59	74.00	23.41
11510	25.38	AV	H	38.00	8.22	26.02	45.58	39.58	54.00	14.42
17265	35.80	PK	H	43.12	10.88	26.04	63.76	57.76	74.00	16.24
17265	24.62	AV	H	43.12	10.88	26.04	52.58	46.58	54.00	7.42
4867	32.18	PK	H	30.97	5.09	26.87	41.37	35.37	74.00	38.63
4867	22.26	AV	H	30.97	5.09	26.87	31.45	25.45	54.00	28.55
6187	33.47	PK	H	33.09	6.02	26.61	45.97	39.97	74.00	34.03
6187	22.30	AV	H	33.09	6.02	26.61	34.80	28.80	54.00	25.20
280.26	54.7	QP	H	13.90	1.22	27.50	42.32	42.32	46.00	3.68
316.15	53.43	QP	H	14.50	1.19	27.60	41.52	41.52	46.00	4.48
High Channel:5795 MHz										
5795	71.07	PK	H	32.65	5.78	0.00	109.50	103.50	N/A	N/A
5795	60.54	AV	H	32.65	5.78	0.00	98.97	92.97	N/A	N/A
5795	65.21	PK	V	32.65	5.78	0.00	103.64	97.64	N/A	N/A
5795	54.94	AV	V	32.65	5.78	0.00	93.37	87.37	N/A	N/A
5850	26.66	PK	H	32.72	5.83	0.00	65.21	59.21	122.20	62.99
5855	25.53	PK	H	32.73	5.83	0.00	64.09	58.09	110.80	52.71
5875	25.92	PK	H	32.75	5.85	0.00	64.52	58.52	105.20	46.68
5925	26.35	PK	H	32.81	5.89	0.00	65.05	59.05	68.20	9.15
11590	36.03	PK	H	38.04	8.21	25.99	56.29	50.29	74.00	23.71
11590	25.72	AV	H	38.04	8.21	25.99	45.98	39.98	54.00	14.02
17385	34.99	PK	H	43.67	11.08	26.21	63.53	57.53	74.00	16.47
17385	24.37	AV	H	43.67	11.08	26.21	52.91	46.91	54.00	7.09
4159	33.49	PK	H	29.25	5.03	26.65	41.12	35.12	74.00	38.88
4159	23.23	AV	H	29.25	5.03	26.65	30.86	24.86	54.00	29.14
6637	33.77	PK	H	33.65	6.11	26.46	47.07	41.07	74.00	32.93
6637	22.28	AV	H	33.65	6.11	26.46	35.58	29.58	54.00	24.42
280.26	54.04	QP	H	13.90	1.22	27.50	41.66	41.66	46.00	4.34
316.15	52.94	QP	H	14.50	1.19	27.60	41.03	41.03	46.00	4.97

802.11 ac 40 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5755 MHz										
5755	71.09	PK	H	32.61	5.74	0.00	109.44	103.44	N/A	N/A
5755	60.55	AV	H	32.61	5.74	0.00	98.90	92.90	N/A	N/A
5755	62.88	PK	V	32.61	5.74	0.00	101.23	95.23	N/A	N/A
5755	52.73	AV	V	32.61	5.74	0.00	91.08	85.08	N/A	N/A
5725	32.19	PK	H	32.57	5.72	0.00	70.48	64.48	122.20	57.72
5720	32.02	PK	H	32.56	5.71	0.00	70.29	64.29	110.80	46.51
5700	26.13	PK	H	32.54	5.70	0.00	64.37	58.37	105.20	46.83
5650	26.10	PK	H	32.48	5.65	0.00	64.23	58.23	68.20	9.97
11510	35.90	PK	H	38.00	8.22	26.02	56.10	50.10	74.00	23.90
11510	26.02	AV	H	38.00	8.22	26.02	46.22	40.22	54.00	13.78
17265	35.91	PK	H	43.12	10.88	26.04	63.87	57.87	74.00	16.13
17265	25.09	AV	H	43.12	10.88	26.04	53.05	47.05	54.00	6.95
2286	34.71	PK	H	23.93	3.02	26.86	34.80	28.80	74.00	45.20
2286	24.67	AV	H	23.93	3.02	26.86	24.76	18.76	54.00	35.24
6328	34.20	PK	H	33.23	6.07	26.57	46.93	40.93	74.00	33.07
6328	22.44	AV	H	33.23	6.07	26.57	35.17	29.17	54.00	24.83
280.26	54.27	QP	H	13.90	1.22	27.50	41.89	41.89	46.00	4.11
316.15	52.98	QP	H	14.50	1.19	27.60	41.07	41.07	46.00	4.93
High Channel:5795 MHz										
5795	70.80	PK	H	32.65	5.78	0.00	109.23	103.23	N/A	N/A
5795	61.09	AV	H	32.65	5.78	0.00	99.52	93.52	N/A	N/A
5795	62.44	PK	V	32.65	5.78	0.00	100.87	94.87	N/A	N/A
5795	52.08	AV	V	32.65	5.78	0.00	90.51	84.51	N/A	N/A
5850	26.85	PK	H	32.72	5.83	0.00	65.40	59.40	122.20	62.80
5855	26.36	PK	H	32.73	5.83	0.00	64.92	58.92	110.80	51.88
5875	25.69	PK	H	32.75	5.85	0.00	64.29	58.29	105.20	46.91
5925	25.54	PK	H	32.81	5.89	0.00	64.24	58.24	68.20	9.96
11590	36.97	PK	H	38.04	8.21	25.99	57.23	51.23	74.00	22.77
11590	25.16	AV	H	38.04	8.21	25.99	45.42	39.42	54.00	14.58
17385	35.83	PK	H	43.67	11.08	26.21	64.37	58.37	74.00	15.63
17385	24.08	AV	H	43.67	11.08	26.21	52.62	46.62	54.00	7.38
3125	38.17	PK	H	24.90	3.62	26.46	40.23	34.23	74.00	39.77
3125	28.19	AV	H	24.90	3.62	26.46	30.25	24.25	54.00	29.75
4387	35.04	PK	H	29.62	5.19	26.78	43.07	37.07	74.00	36.93
4387	23.19	AV	H	29.62	5.19	26.78	31.22	25.22	54.00	28.78
280.26	53.99	QP	H	13.90	1.22	27.50	41.61	41.61	46.00	4.39
316.15	52.89	QP	H	14.50	1.19	27.60	40.98	40.98	46.00	5.02

802.11 ac 80 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
5775 MHz										
5775	66.11	PK	H	32.63	5.76	0.00	104.50	98.50	N/A	N/A
5775	54.97	AV	H	32.63	5.76	0.00	93.36	87.36	N/A	N/A
5775	64.63	PK	V	32.63	5.76	0.00	103.02	97.02	N/A	N/A
5775	53.92	AV	V	32.63	5.76	0.00	92.31	86.31	N/A	N/A
5725	30.65	PK	H	32.57	5.72	0.00	68.94	62.94	122.20	59.26
5720	31.03	PK	H	32.56	5.71	0.00	69.30	63.30	110.80	47.50
5700	29.52	PK	H	32.54	5.70	0.00	67.76	61.76	105.20	43.44
5650	25.99	PK	H	32.48	5.65	0.00	64.12	58.12	68.20	10.08
5850	27.19	PK	H	32.72	5.83	0.00	65.74	59.74	122.20	62.46
5855	27.06	PK	H	32.73	5.83	0.00	65.62	59.62	110.80	51.18
5875	27.10	PK	H	32.75	5.85	0.00	65.70	59.70	105.20	45.50
5925	26.41	PK	H	32.81	5.89	0.00	65.11	59.11	68.20	9.09
11550	35.50	PK	H	38.02	8.21	26.01	55.72	49.72	74.00	24.28
11550	23.75	AV	H	38.02	8.21	26.01	43.97	37.97	54.00	16.03
17325	34.20	PK	H	43.40	10.98	26.12	62.46	56.46	74.00	17.54
17325	24.01	AV	H	43.40	10.98	26.12	52.27	46.27	54.00	7.73
4421	34.13	PK	H	29.67	5.21	26.80	42.21	36.21	74.00	37.79
4421	23.46	AV	H	29.67	5.21	26.80	31.54	25.54	54.00	28.46
280.26	53.88	QP	H	13.90	1.22	27.50	41.50	41.50	46.00	4.50
316.15	52.71	QP	H	14.50	1.19	27.60	40.80	40.80	46.00	5.20

**2TX, Non-beamforming:**

**5150-5250MHz**

802.11a mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5180 MHz										
5180	80.59	PK	H	31.72	5.21	0.00	117.52	111.52	N/A	N/A
5180	70.78	AV	H	31.72	5.21	0.00	107.71	101.71	N/A	N/A
5180	74.25	PK	V	31.72	5.21	0.00	111.18	105.18	N/A	N/A
5180	64.65	AV	V	31.72	5.21	0.00	101.58	95.58	N/A	N/A
5150	31.52	PK	H	31.67	5.18	0.00	68.37	62.37	74	11.63
5150	15.55	AV	H	31.67	5.18	0.00	52.4	46.4	54	7.6
10360	34.95	PK	H	37.37	7.76	26.37	53.71	47.71	74	26.29
10360	23.79	AV	H	37.37	7.76	26.37	42.55	36.55	54	17.45
15540	35.40	PK	H	39.41	10.22	25.32	59.71	53.71	74	20.29
15540	23.95	AV	H	39.41	10.22	25.32	48.26	42.26	54	11.74
6542	34.15	PK	H	33.48	6.12	26.51	47.24	41.24	74	32.76
6542	23.29	AV	H	33.48	6.12	26.51	36.38	30.38	54	23.62
3648	36.87	PK	H	27.59	4.40	26.58	42.28	36.28	74	37.72
3648	24.60	AV	H	27.59	4.40	26.58	30.01	24.01	54	29.99
280.26	53.12	QP	H	13.90	1.22	27.50	40.74	40.74	46.00	5.26
316.15	51.44	QP	H	14.50	1.19	27.60	39.53	39.53	46.00	6.47
Middle Channel:5200 MHz										
5200	89.61	PK	H	31.76	5.23	0.00	126.6	120.6	N/A	N/A
5200	69.76	AV	H	31.76	5.23	0.00	106.75	100.75	N/A	N/A
5200	73.76	PK	V	31.76	5.23	0.00	110.75	104.75	N/A	N/A
5200	63.23	AV	V	31.76	5.23	0.00	100.22	94.22	N/A	N/A
10400	34.60	PK	H	37.38	7.79	26.36	53.41	47.41	74	26.59
10400	23.04	AV	H	37.38	7.79	26.36	41.85	35.85	54	18.15
15600	34.67	PK	H	39.42	10.22	25.31	59	53	74	21
15600	23.89	AV	H	39.42	10.22	25.31	48.22	42.22	54	11.78
6579	34.15	PK	H	33.54	6.12	26.49	47.32	41.32	74	32.68
6579	24.04	AV	H	33.54	6.12	26.49	37.21	31.21	54	22.79
3584	36.51	PK	H	27.34	4.30	26.58	41.57	35.57	74	38.43
3584	24.89	AV	H	27.34	4.30	26.58	29.95	23.95	54	30.05
280.26	52.46	QP	H	13.90	1.22	27.50	40.08	40.08	46.00	5.92
316.15	50.95	QP	H	14.50	1.19	27.60	39.04	39.04	46.00	6.96
High Channel:5240 MHz										
5240	79.79	PK	H	31.83	5.27	0.00	116.89	110.89	N/A	N/A
5240	66.91	AV	H	31.83	5.27	0.00	104.01	98.01	N/A	N/A
5240	74.45	PK	V	31.83	5.27	0.00	111.55	105.55	N/A	N/A
5240	64.52	AV	V	31.83	5.27	0.00	101.62	95.62	N/A	N/A
5350	26.35	PK	H	32.03	5.37	0.00	63.75	57.75	74	16.25
5350	13.38	AV	H	32.03	5.37	0.00	50.78	44.78	54	9.22
10480	34.91	PK	H	37.40	7.84	26.35	53.8	47.8	74	26.2
10480	22.68	AV	H	37.40	7.84	26.35	41.57	35.57	54	18.43
15720	33.49	PK	H	39.44	10.24	25.30	57.87	51.87	74	22.13
15720	22.88	AV	H	39.44	10.24	25.30	47.26	41.26	54	12.74
6984	34.27	PK	H	34.27	6.07	26.27	48.34	42.34	74	31.66
6984	24.10	AV	H	34.27	6.07	26.27	38.17	32.17	54	21.83
3475	37.55	PK	H	26.86	4.14	26.58	41.97	35.97	74	38.03
3475	25.56	AV	H	26.86	4.14	26.58	29.98	23.98	54	30.02
280.26	52.69	QP	H	13.90	1.22	27.50	40.31	40.31	46.00	5.69
316.15	50.99	QP	H	14.50	1.19	27.60	39.08	39.08	46.00	6.92

802.11n ht20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5180 MHz										
5180	80.94	PK	H	31.72	5.21	0.00	117.87	111.87	N/A	N/A
5180	69.90	AV	H	31.72	5.21	0.00	106.83	100.83	N/A	N/A
5180	75.55	PK	V	31.72	5.21	0.00	112.48	106.48	N/A	N/A
5180	64.99	AV	V	31.72	5.21	0.00	101.92	95.92	N/A	N/A
5150	31.12	PK	H	31.67	5.18	0.00	67.97	61.97	74	12.03
5150	15.83	AV	H	31.67	5.18	0.00	52.68	46.68	54	7.32
10360	35.11	PK	H	37.37	7.76	26.37	53.87	47.87	74	26.13
10360	22.98	AV	H	37.37	7.76	26.37	41.74	35.74	54	18.26
15540	35.22	PK	H	39.41	10.22	25.32	59.53	53.53	74	20.47
15540	23.14	AV	H	39.41	10.22	25.32	47.45	41.45	54	12.55
6933	38.71	PK	H	34.18	6.08	26.30	52.67	46.67	74	27.33
6933	25.75	AV	H	34.18	6.08	26.30	39.71	33.71	54	20.29
4936	39.26	PK	H	31.20	5.06	26.88	48.64	42.64	74	31.36
4936	27.00	AV	H	31.20	5.06	26.88	36.38	30.38	54	23.62
280.26	52.41	QP	H	13.90	1.22	27.50	40.03	40.03	46.00	5.97
316.15	50.9	QP	H	14.50	1.19	27.60	38.99	38.99	46.00	7.01
Middle Channel:5200 MHz										
5200	80.24	PK	H	31.76	5.23	0.00	117.23	111.23	N/A	N/A
5200	69.86	AV	H	31.76	5.23	0.00	106.85	100.85	N/A	N/A
5200	75.19	PK	V	31.76	5.23	0.00	112.18	106.18	N/A	N/A
5200	64.76	AV	V	31.76	5.23	0.00	101.75	95.75	N/A	N/A
10400	35.43	PK	H	37.38	7.79	26.36	54.24	48.24	74	19.76
10400	22.49	AV	H	37.38	7.79	26.36	41.3	35.3	54	12.7
15600	35.40	PK	H	39.42	10.22	25.31	59.73	53.73	74	14.27
15600	23.34	AV	H	39.42	10.22	25.31	47.67	41.67	54	6.33
7513	35.81	PK	H	35.32	6.32	26.49	50.96	44.96	74	23.04
7513	25.24	AV	H	35.32	6.32	26.49	40.39	34.39	54	13.61
3428	38.52	PK	H	26.60	4.07	26.56	42.63	36.63	74	31.37
3428	26.17	AV	H	26.60	4.07	26.56	30.28	24.28	54	23.72
280.26	52.3	QP	H	13.90	1.22	27.50	39.92	39.92	46.00	6.08
316.15	50.72	QP	H	14.50	1.19	27.60	38.81	38.81	46.00	7.19
High Channel:5240 MHz										
5240	79.92	PK	H	31.83	5.27	0.00	117.02	111.02	N/A	N/A
5240	68.94	AV	H	31.83	5.27	0.00	106.04	100.04	N/A	N/A
5240	73.91	PK	V	31.83	5.27	0.00	111.01	105.01	N/A	N/A
5240	63.83	AV	V	31.83	5.27	0.00	100.93	94.93	N/A	N/A
5350	25.53	PK	H	32.03	5.37	0.00	62.93	56.93	74	17.07
5350	14.38	AV	H	32.03	5.37	0.00	51.78	45.78	54	8.22
10480	33.59	PK	H	37.40	7.84	26.35	52.48	46.48	74	27.52
10480	22.63	AV	H	37.40	7.84	26.35	41.52	35.52	54	18.48
15720	34.04	PK	H	39.44	10.24	25.30	58.42	52.42	74	21.58
15720	22.10	AV	H	39.44	10.24	25.30	46.48	40.48	54	13.52
6984	34.40	PK	H	34.27	6.07	26.27	48.47	42.47	74	31.53
6984	24.65	AV	H	34.27	6.07	26.27	38.72	32.72	54	21.28
3542	36.99	PK	H	27.17	4.24	26.59	41.81	35.81	74	38.19
3542	25.17	AV	H	27.17	4.24	26.59	29.99	23.99	54	30.01
280.26	53.06	QP	H	13.90	1.22	27.50	40.68	40.68	46.00	5.32
316.15	52.93	QP	H	14.50	1.19	27.60	41.02	41.02	46.00	4.98

802.11ac 20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5180 MHz										
5180	80.49	PK	H	31.72	5.21	0.00	117.42	111.42	N/A	N/A
5180	69.29	AV	H	31.72	5.21	0.00	106.22	100.22	N/A	N/A
5180	76.32	PK	V	31.72	5.21	0.00	113.25	107.25	N/A	N/A
5180	65.34	AV	V	31.72	5.21	0.00	102.27	96.27	N/A	N/A
5150	28.16	PK	H	31.67	5.18	0.00	65.01	59.01	74	14.99
5150	15.13	AV	H	31.67	5.18	0.00	51.98	45.98	54	8.02
10360	34.75	PK	H	37.37	7.76	26.37	53.51	47.51	74	26.49
10360	23.42	AV	H	37.37	7.76	26.37	42.18	36.18	54	17.82
15540	34.95	PK	H	39.41	10.22	25.32	59.26	53.26	74	20.74
15540	23.59	AV	H	39.41	10.22	25.32	47.9	41.9	54	12.1
3369	37.60	PK	H	26.27	3.98	26.54	41.31	35.31	74	38.69
3369	27.55	AV	H	26.27	3.98	26.54	31.26	25.26	54	28.74
6375	35.09	PK	H	33.28	6.09	26.56	47.9	41.9	74	32.1
6375	22.60	AV	H	33.28	6.09	26.56	35.41	29.41	54	24.59
280.26	53.3	QP	H	13.90	1.22	27.50	40.92	40.92	46.00	5.08
316.15	53.11	QP	H	14.50	1.19	27.60	41.20	41.20	46.00	4.80
Middle Channel:5200 MHz										
5200	80.75	PK	H	31.76	5.23	0.00	117.74	111.74	N/A	N/A
5200	69.25	AV	H	31.76	5.23	0.00	106.24	100.24	N/A	N/A
5200	74.62	PK	V	31.76	5.23	0.00	111.61	105.61	N/A	N/A
5200	64.81	AV	V	31.76	5.23	0.00	101.8	95.8	N/A	N/A
10400	34.45	PK	H	37.38	7.79	26.36	53.26	47.26	74	20.74
10400	22.52	AV	H	37.38	7.79	26.36	41.33	35.33	54	12.67
15600	35.25	PK	H	39.42	10.22	25.31	59.58	53.58	74	14.42
15600	23.72	AV	H	39.42	10.22	25.31	48.05	42.05	54	5.95
6534	34.11	PK	H	33.46	6.13	26.51	47.19	41.19	74	26.81
6534	23.96	AV	H	33.46	6.13	26.51	37.04	31.04	54	16.96
3958	35.57	PK	H	28.83	4.86	26.55	42.71	36.71	74	31.29
3958	24.66	AV	H	28.83	4.86	26.55	31.8	25.8	54	22.2
280.26	53.49	QP	H	13.90	1.22	27.50	41.11	41.11	46.00	4.89
316.15	53.28	QP	H	14.50	1.19	27.60	41.37	41.37	46.00	4.63
High Channel:5240 MHz										
5240	80.23	PK	H	31.83	5.27	0.00	117.33	111.33	N/A	N/A
5240	69.10	AV	H	31.83	5.27	0.00	106.2	100.2	N/A	N/A
5240	74.07	PK	V	31.83	5.27	0.00	111.17	105.17	N/A	N/A
5240	64.03	AV	V	31.83	5.27	0.00	101.13	95.13	N/A	N/A
5350	26.50	PK	H	32.03	5.37	0.00	63.9	57.9	74	16.1
5350	14.32	AV	H	32.03	5.37	0.00	51.72	45.72	54	8.28
10480	34.65	PK	H	37.40	7.84	26.35	53.54	47.54	74	26.46
10480	22.52	AV	H	37.40	7.84	26.35	41.41	35.41	54	18.59
15720	34.56	PK	H	39.44	10.24	25.30	58.94	52.94	74	21.06
15720	21.96	AV	H	39.44	10.24	25.30	46.34	40.34	54	13.66
6585	34.62	PK	H	33.55	6.12	26.48	47.81	41.81	74	32.19
6585	23.27	AV	H	33.55	6.12	26.48	36.46	30.46	54	23.54
3354	38.39	PK	H	26.18	3.96	26.54	41.99	35.99	74	38.01
3354	26.56	AV	H	26.18	3.96	26.54	30.16	24.16	54	29.84
280.26	52.83	QP	H	13.90	1.22	27.50	40.45	40.45	46.00	5.55
316.15	52.79	QP	H	14.50	1.19	27.60	40.88	40.88	46.00	5.12

802.11n ht40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5190 MHz										
5190	75.32	PK	H	31.74	5.22	0.00	112.28	106.28	N/A	N/A
5190	65.74	AV	H	31.74	5.22	0.00	102.7	96.7	N/A	N/A
5190	70.17	PK	V	31.74	5.22	0.00	107.13	101.13	N/A	N/A
5190	60.00	AV	V	31.74	5.22	0.00	96.96	90.96	N/A	N/A
5150	30.94	PK	H	31.67	5.18	0.00	67.79	61.79	74	12.21
5150	16.90	AV	H	31.67	5.18	0.00	53.75	47.75	54	6.25
10380	35.02	PK	H	37.38	7.78	26.37	53.81	47.81	74	26.19
10380	23.27	AV	H	37.38	7.78	26.37	42.06	36.06	54	17.94
15570	34.83	PK	H	39.41	10.22	25.31	59.15	53.15	74	20.85
15570	23.52	AV	H	39.41	10.22	25.31	47.84	41.84	54	12.16
4173	34.83	PK	H	29.28	5.04	26.65	42.5	36.5	74	37.5
4173	25.06	AV	H	29.28	5.04	26.65	32.73	26.73	54	27.27
6584	34.85	PK	H	33.55	6.12	26.48	48.04	42.04	74	31.96
6584	22.78	AV	H	33.55	6.12	26.48	35.97	29.97	54	24.03
280.26	53.06	QP	H	13.90	1.22	27.50	40.68	40.68	46.00	5.32
316.15	52.83	QP	H	14.50	1.19	27.60	40.92	40.92	46.00	5.08
High Channel:5230 MHz										
5230	74.71	PK	H	31.81	5.26	0.00	111.78	105.78	N/A	N/A
5230	65.49	AV	H	31.81	5.26	0.00	102.56	96.56	N/A	N/A
5230	69.24	PK	V	31.81	5.26	0.00	106.31	100.31	N/A	N/A
5230	59.16	AV	V	31.81	5.26	0.00	96.23	90.23	N/A	N/A
5350	26.48	PK	H	32.03	5.37	0.00	63.88	57.88	74	16.12
5350	14.86	AV	H	32.03	5.37	0.00	52.26	46.26	54	7.74
10460	34.71	PK	H	37.39	7.83	26.36	53.57	47.57	74	26.43
10460	23.06	AV	H	37.39	7.83	26.36	41.92	35.92	54	18.08
15690	33.81	PK	H	39.44	10.24	25.30	58.19	52.19	74	21.81
15690	22.80	AV	H	39.44	10.24	25.30	47.18	41.18	54	12.82
4527	33.93	PK	H	29.89	5.26	26.85	42.23	36.23	74	37.77
4527	23.76	AV	H	29.89	5.26	26.85	32.06	26.06	54	27.94
6689	35.31	PK	H	33.74	6.11	26.43	48.73	42.73	74	31.27
6689	22.73	AV	H	33.74	6.11	26.43	36.15	30.15	54	23.85
280.26	52.78	QP	H	13.90	1.22	27.50	40.40	40.40	46.00	5.60
316.15	52.74	QP	H	14.50	1.19	27.60	40.83	40.83	46.00	5.17

802.11 ac 40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5190 MHz										
5190	75.75	PK	H	31.74	5.22	0.00	112.71	106.71	N/A	N/A
5190	66.11	AV	H	31.74	5.22	0.00	103.07	97.07	N/A	N/A
5190	70.19	PK	V	31.74	5.22	0.00	107.15	101.15	N/A	N/A
5190	60.78	AV	V	31.74	5.22	0.00	97.74	91.74	N/A	N/A
5150	27.54	PK	H	31.67	5.18	0.00	64.39	58.39	74	15.61
5150	16.02	AV	H	31.67	5.18	0.00	52.87	46.87	54	7.13
10380	35.44	PK	H	37.38	7.78	26.37	54.23	48.23	74	25.77
10380	22.88	AV	H	37.38	7.78	26.37	41.67	35.67	54	18.33
15570	34.31	PK	H	39.41	10.22	25.31	58.63	52.63	74	21.37
15570	24.14	AV	H	39.41	10.22	25.31	48.46	42.46	54	11.54
4052	34.45	PK	H	29.08	4.96	26.58	41.91	35.91	74	38.09
4052	24.87	AV	H	29.08	4.96	26.58	32.33	26.33	54	27.67
6782	35.46	PK	H	33.91	6.10	26.38	49.09	43.09	74	30.91
6782	23.14	AV	H	33.91	6.10	26.38	36.77	30.77	54	23.23
280.26	52.67	QP	H	13.90	1.22	27.50	40.29	40.29	46.00	5.71
316.15	52.56	QP	H	14.50	1.19	27.60	40.65	40.65	46.00	5.35
High Channel:5230 MHz										
5230	75.08	PK	H	31.81	5.26	0.00	112.15	106.15	N/A	N/A
5230	65.28	AV	H	31.81	5.26	0.00	102.35	96.35	N/A	N/A
5230	69.17	PK	V	31.81	5.26	0.00	106.24	100.24	N/A	N/A
5230	59.63	AV	V	31.81	5.26	0.00	96.7	90.7	N/A	N/A
5350	26.67	PK	H	32.03	5.37	0.00	64.07	58.07	74	15.93
5350	14.34	AV	H	32.03	5.37	0.00	51.74	45.74	54	8.26
10460	34.82	PK	H	37.39	7.83	26.36	53.68	47.68	74	26.32
10460	23.51	AV	H	37.39	7.83	26.36	42.37	36.37	54	17.63
15690	33.95	PK	H	39.44	10.24	25.30	58.33	52.33	74	21.67
15690	23.44	AV	H	39.44	10.24	25.30	47.82	41.82	54	12.18
3215	38.72	PK	H	25.40	3.75	26.49	41.38	35.38	74	38.62
3215	28.61	AV	H	25.40	3.75	26.49	31.27	25.27	54	28.73
6632	35.41	PK	H	33.64	6.11	26.46	48.7	42.7	74	31.3
6632	22.57	AV	H	33.64	6.11	26.46	35.86	29.86	54	24.14
280.26	53.22	QP	H	13.90	1.22	27.50	40.84	40.84	46.00	5.16
316.15	52.09	QP	H	14.50	1.19	27.60	40.18	40.18	46.00	5.82

802.11 ac 80 mode(chain 0 was the worst):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Middle Channel:5210 MHz										
5210	71.52	PK	H	31.78	5.24	0.00	108.54	102.54	N/A	N/A
5210	60.52	AV	H	31.78	5.24	0.00	97.54	91.54	N/A	N/A
5210	64.19	PK	V	31.78	5.24	0.00	101.21	95.21	N/A	N/A
5210	53.86	AV	V	31.78	5.24	0.00	90.88	84.88	N/A	N/A
5150	29.98	PK	H	31.67	5.18	0.00	66.83	60.83	74	13.17
5150	15.99	AV	H	31.67	5.18	0.00	52.84	46.84	54	7.16
5350	29.55	PK	H	32.03	5.37	0.00	66.95	60.95	74	13.05
5350	14.36	AV	H	32.03	5.37	0.00	51.76	45.76	54	8.24
10420	32.62	PK	H	37.38	7.80	26.36	51.44	45.44	74	28.56
10420	21.37	AV	H	37.38	7.80	26.36	40.19	34.19	54	19.81
15630	37.01	PK	H	39.43	10.23	25.31	61.36	55.36	74	18.64
15630	27.17	AV	H	39.43	10.23	25.31	51.52	45.52	54	8.48
6946	34.65	PK	H	34.20	6.08	26.29	48.64	42.64	74	31.36
6946	23.34	AV	H	34.20	6.08	26.29	37.33	31.33	54	22.67
280.26	53.46	QP	H	13.90	1.22	27.50	41.08	41.08	46.00	4.92
316.15	52.27	QP	H	14.50	1.19	27.60	40.36	40.36	46.00	5.64

**5250-5350MHz**

802.11a mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5260 MHz										
5260	78.85	PK	H	31.87	5.28	0.00	116	110	N/A	N/A
5260	68.28	AV	H	31.87	5.28	0.00	105.43	99.43	N/A	N/A
5260	71.25	PK	V	31.87	5.28	0.00	108.4	102.4	N/A	N/A
5260	60.60	AV	V	31.87	5.28	0.00	97.75	91.75	N/A	N/A
5150	28.18	PK	H	31.67	5.18	0.00	65.03	59.03	74	14.97
5150	14.82	AV	H	31.67	5.18	0.00	51.67	45.67	54	8.33
10520	33.64	PK	H	37.41	7.86	26.34	52.57	46.57	74	27.43
10520	21.87	AV	H	37.41	7.86	26.34	40.8	34.8	54	19.2
15780	33.32	PK	H	39.46	10.25	25.30	57.73	51.73	74	22.27
15780	21.58	AV	H	39.46	10.25	25.30	45.99	39.99	54	14.01
3220	40.49	PK	H	25.43	3.76	26.49	43.19	37.19	74	36.81
3220	30.77	AV	H	25.43	3.76	26.49	33.47	27.47	54	26.53
6421	33.58	PK	H	33.32	6.10	26.55	46.45	40.45	74	33.55
6421	23.39	AV	H	33.32	6.10	26.55	36.26	30.26	54	23.74
280.26	53.65	QP	H	13.90	1.22	27.50	41.27	41.27	46.00	4.73
316.15	52.44	QP	H	14.50	1.19	27.60	40.53	40.53	46.00	5.47
Middle Channel:5280 MHz										
5280	78.81	PK	H	31.90	5.30	0.00	116.01	110.01	N/A	N/A
5280	68.43	AV	H	31.90	5.30	0.00	105.63	99.63	N/A	N/A
5280	70.95	PK	V	31.90	5.30	0.00	108.15	102.15	N/A	N/A
5280	61.13	AV	V	31.90	5.30	0.00	98.33	92.33	N/A	N/A
10560	33.14	PK	H	37.42	7.89	26.32	52.13	46.13	74	27.87
10560	22.09	AV	H	37.42	7.89	26.32	41.08	35.08	54	18.92
15840	32.64	PK	H	39.47	10.26	25.29	57.08	51.08	74	22.92
15840	22.12	AV	H	39.47	10.26	25.29	46.56	40.56	54	13.44
3626	38.11	PK	H	27.50	4.37	26.58	43.4	37.4	74	36.6
3626	28.34	AV	H	27.50	4.37	26.58	33.63	27.63	54	26.37
6234	35.56	PK	H	33.13	6.04	26.60	48.13	42.13	74	31.87
6234	25.92	AV	H	33.13	6.04	26.60	38.49	32.49	54	21.51
280.26	52.99	QP	H	13.90	1.22	27.50	40.61	40.61	46.00	5.39
316.15	51.95	QP	H	14.50	1.19	27.60	40.04	40.04	46.00	5.96
High Channel:5320 MHz										
5320	80.72	PK	H	31.98	5.34	0.00	118.04	112.04	N/A	N/A
5320	70.38	AV	H	31.98	5.34	0.00	107.7	101.7	N/A	N/A
5320	72.85	PK	V	31.98	5.34	0.00	110.17	104.17	N/A	N/A
5320	63.07	AV	V	31.98	5.34	0.00	100.39	94.39	N/A	N/A
5350	27.86	PK	H	32.03	5.37	0.00	65.26	59.26	74	14.74
5350	15.74	AV	H	32.03	5.37	0.00	53.14	47.14	54	6.86
10640	33.14	PK	H	37.46	7.95	26.27	52.28	46.28	74	27.72
10640	21.40	AV	H	37.46	7.95	26.27	40.54	34.54	54	19.46
15960	33.04	PK	H	39.49	10.27	25.28	57.52	51.52	74	22.48
15960	21.11	AV	H	39.49	10.27	25.28	45.59	39.59	54	14.41
4033	39.15	PK	H	29.05	4.94	26.57	46.57	40.57	74	33.43
4033	26.23	AV	H	29.05	4.94	26.57	33.65	27.65	54	26.35
6243	38.73	PK	H	33.14	6.04	26.60	51.31	45.31	74	28.69
6243	26.70	AV	H	33.14	6.04	26.60	39.28	33.28	54	20.72
280.26	53.22	QP	H	13.90	1.22	27.50	40.84	40.84	46.00	5.16
316.15	51.99	QP	H	14.50	1.19	27.60	40.08	40.08	46.00	5.92

802.11n ht20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5260 MHz										
5260	80.95	PK	H	31.87	5.28	0.00	118.1	112.1	N/A	N/A
5260	71.13	AV	H	31.87	5.28	0.00	108.28	102.28	N/A	N/A
5260	74.50	PK	V	31.87	5.28	0.00	111.65	105.65	N/A	N/A
5260	63.65	AV	V	31.87	5.28	0.00	100.8	94.8	N/A	N/A
5150	29.14	PK	H	31.67	5.18	0.00	65.99	59.99	74	14.01
5150	16.05	AV	H	31.67	5.18	0.00	52.9	46.9	54	7.1
10520	34.07	PK	H	37.41	7.86	26.34	53	47	74	27
10520	22.59	AV	H	37.41	7.86	26.34	41.52	35.52	54	18.48
15780	33.05	PK	H	39.46	10.25	25.30	57.46	51.46	74	22.54
15780	21.44	AV	H	39.46	10.25	25.30	45.85	39.85	54	14.15
3748	39.38	PK	H	27.99	4.55	26.57	45.35	39.35	74	34.65
3748	27.52	AV	H	27.99	4.55	26.57	33.49	27.49	54	26.51
6553	39.33	PK	H	33.50	6.12	26.50	52.45	46.45	74	27.55
6553	26.34	AV	H	33.50	6.12	26.50	39.46	33.46	54	20.54
280.26	52.94	QP	H	13.90	1.22	27.50	40.56	40.56	46.00	5.44
316.15	51.9	QP	H	14.50	1.19	27.60	39.99	39.99	46.00	6.01
Middle Channel:5280 MHz										
5280	81.66	PK	H	31.90	5.30	0.00	118.86	112.86	N/A	N/A
5280	71.07	AV	H	31.90	5.30	0.00	108.27	102.27	N/A	N/A
5280	74.94	PK	V	31.90	5.30	0.00	112.14	106.14	N/A	N/A
5280	64.53	AV	V	31.90	5.30	0.00	101.73	95.73	N/A	N/A
10560	33.99	PK	H	37.42	7.89	26.32	52.98	46.98	74	27.02
10560	22.37	AV	H	37.42	7.89	26.32	41.36	35.36	54	18.64
15840	32.96	PK	H	39.47	10.26	25.29	57.4	51.4	74	22.6
15840	21.88	AV	H	39.47	10.26	25.29	46.32	40.32	54	13.68
3695	39.70	PK	H	27.78	4.47	26.57	45.38	39.38	74	34.62
3695	28.28	AV	H	27.78	4.47	26.57	33.96	27.96	54	26.04
6224	38.28	PK	H	33.12	6.04	26.60	50.84	44.84	74	29.16
6224	26.31	AV	H	33.12	6.04	26.60	38.87	32.87	54	21.13
280.26	52.83	QP	H	13.90	1.22	27.50	40.45	40.45	46.00	5.55
316.15	51.72	QP	H	14.50	1.19	27.60	39.81	39.81	46.00	6.19
High Channel:5320 MHz										
5320	80.89	PK	H	31.98	5.34	0.00	118.21	112.21	N/A	N/A
5320	71.24	AV	H	31.98	5.34	0.00	108.56	102.56	N/A	N/A
5320	73.25	PK	V	31.98	5.34	0.00	110.57	104.57	N/A	N/A
5320	62.66	AV	V	31.98	5.34	0.00	99.98	93.98	N/A	N/A
5350	31.67	PK	H	32.03	5.37	0.00	69.07	63.07	74	10.93
5350	16.30	AV	H	32.03	5.37	0.00	53.7	47.7	54	6.3
10640	33.47	PK	H	37.46	7.95	26.27	52.61	46.61	74	27.39
10640	21.64	AV	H	37.46	7.95	26.27	40.78	34.78	54	19.22
15960	32.58	PK	H	39.49	10.27	25.28	57.06	51.06	74	22.94
15960	20.87	AV	H	39.49	10.27	25.28	45.35	39.35	54	14.65
4425	36.98	PK	H	29.68	5.22	26.81	45.07	39.07	74	34.93
4425	26.31	AV	H	29.68	5.22	26.81	34.4	28.4	54	25.6
6337	34.63	PK	H	33.24	6.07	26.57	47.37	41.37	74	32.63
6337	24.37	AV	H	33.24	6.07	26.57	37.11	31.11	54	22.89
280.26	53.22	QP	H	13.90	1.22	27.50	40.84	40.84	46.00	5.16
316.15	51.98	QP	H	14.50	1.19	27.60	40.07	40.07	46.00	5.93

802.11ac 20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5260 MHz										
5260	79.69	PK	H	31.87	5.28	0.00	116.84	110.84	N/A	N/A
5260	69.85	AV	H	31.87	5.28	0.00	107	101	N/A	N/A
5260	74.59	PK	V	31.87	5.28	0.00	111.74	105.74	N/A	N/A
5260	64.23	AV	V	31.87	5.28	0.00	101.38	95.38	N/A	N/A
5150	26.86	PK	V	31.67	5.18	0.00	63.71	57.71	74	16.29
5150	14.89	AV	V	31.67	5.18	0.00	51.74	45.74	54	8.26
10520	33.50	PK	H	37.41	7.86	26.34	52.43	46.43	74	27.57
10520	22.00	AV	H	37.41	7.86	26.34	40.93	34.93	54	19.07
15780	33.82	PK	H	39.46	10.25	25.30	58.23	52.23	74	21.77
15780	21.41	AV	H	39.46	10.25	25.30	45.82	39.82	54	14.18
3385	40.04	PK	H	26.36	4.01	26.55	43.86	37.86	74	36.14
3385	28.80	AV	H	26.36	4.01	26.55	32.62	26.62	54	27.38
4725	36.00	PK	H	30.52	5.16	26.86	44.82	38.82	74	35.18
4725	25.47	AV	H	30.52	5.16	26.86	34.29	28.29	54	25.71
280.26	53.46	QP	H	13.90	1.22	27.50	41.08	41.08	46.00	4.92
316.15	52.16	QP	H	14.50	1.19	27.60	40.25	40.25	46.00	5.75
Middle Channel:5280 MHz										
5280	80.14	PK	H	31.90	5.30	0.00	117.34	111.34	N/A	N/A
5280	70.33	AV	H	31.90	5.30	0.00	107.53	101.53	N/A	N/A
5280	75.05	PK	V	31.90	5.30	0.00	112.25	106.25	N/A	N/A
5280	64.57	AV	V	31.90	5.30	0.00	101.77	95.77	N/A	N/A
10560	33.71	PK	H	37.42	7.89	26.32	52.7	46.7	74	27.3
10560	22.14	AV	H	37.42	7.89	26.32	41.13	35.13	54	18.87
15840	32.90	PK	H	39.47	10.26	25.29	57.34	51.34	74	22.66
15840	21.86	AV	H	39.47	10.26	25.29	46.3	40.3	54	13.7
3823	38.58	PK	H	28.29	4.66	26.56	44.97	38.97	74	35.03
3823	28.02	AV	H	28.29	4.66	26.56	34.41	28.41	54	25.59
6638	36.22	PK	H	33.65	6.11	26.46	49.52	43.52	74	30.48
6638	26.30	AV	H	33.65	6.11	26.46	39.6	33.6	54	20.4
280.26	53.65	QP	H	13.90	1.22	27.50	41.27	41.27	46.00	4.73
316.15	52.33	QP	H	14.50	1.19	27.60	40.42	40.42	46.00	5.58
High Channel:5320 MHz										
5320	79.36	PK	H	31.98	5.34	0.00	116.68	110.68	N/A	N/A
5320	69.94	AV	H	31.98	5.34	0.00	107.26	101.26	N/A	N/A
5320	74.16	PK	V	31.98	5.34	0.00	111.48	105.48	N/A	N/A
5320	64.67	AV	V	31.98	5.34	0.00	101.99	95.99	N/A	N/A
5350	29.00	PK	H	32.03	5.37	0.00	66.4	60.4	74	13.6
5350	16.32	AV	H	32.03	5.37	0.00	53.72	47.72	54	6.28
10640	32.99	PK	H	37.46	7.95	26.27	52.13	46.13	74	27.87
10640	20.94	AV	H	37.46	7.95	26.27	40.08	34.08	54	19.92
15960	32.98	PK	H	39.49	10.27	25.28	57.46	51.46	74	22.54
15960	20.67	AV	H	39.49	10.27	25.28	45.15	39.15	54	14.85
3455	40.25	PK	H	26.75	4.11	26.57	44.54	38.54	74	35.46
3455	29.26	AV	H	26.75	4.11	26.57	33.55	27.55	54	26.45
2786	40.20	PK	H	23.77	3.24	26.62	40.59	34.59	74	39.41
6727	25.42	AV	H	33.81	6.10	26.41	38.92	32.92	54	21.08
280.26	52.99	QP	H	13.90	1.22	27.50	40.61	40.61	46.00	5.39
316.15	51.84	QP	H	14.50	1.19	27.60	39.93	39.93	46.00	6.07

802.11n ht40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5270 MHz										
5270	76.18	PK	H	31.89	5.29	0.00	113.36	107.36	N/A	N/A
5270	65.88	AV	H	31.89	5.29	0.00	103.06	97.06	N/A	N/A
5270	68.15	PK	V	31.89	5.29	0.00	105.33	99.33	N/A	N/A
5270	58.02	AV	V	31.89	5.29	0.00	95.2	89.2	N/A	N/A
5150	26.34	PK	H	31.67	5.18	0.00	63.19	57.19	74	16.81
5150	14.47	AV	H	31.67	5.18	0.00	51.32	45.32	54	8.68
10540	33.99	PK	H	37.42	7.88	26.33	52.96	46.96	74	27.04
10540	21.47	AV	H	37.42	7.88	26.33	40.44	34.44	54	19.56
15810	33.66	PK	H	39.46	10.25	25.30	58.07	52.07	74	21.93
15810	21.65	AV	H	39.46	10.25	25.30	46.06	40.06	54	13.94
3384	39.96	PK	H	26.35	4.01	26.55	43.77	37.77	74	36.23
3384	28.99	AV	H	26.35	4.01	26.55	32.8	26.8	54	27.2
7026	36.98	PK	H	34.35	6.08	26.27	51.14	45.14	74	28.86
7026	26.82	AV	H	34.35	6.08	26.27	40.98	34.98	54	19.02
280.26	53.22	QP	H	13.90	1.22	27.50	40.84	40.84	46.00	5.16
316.15	51.88	QP	H	14.50	1.19	27.60	39.97	39.97	46.00	6.03
High Channel:5310 MHz										
5310	75.98	PK	H	31.96	5.33	0.00	113.27	107.27	N/A	N/A
5310	65.70	AV	H	31.96	5.33	0.00	102.99	96.99	N/A	N/A
5310	69.10	PK	V	31.96	5.33	0.00	106.39	100.39	N/A	N/A
5310	58.54	AV	V	31.96	5.33	0.00	95.83	89.83	N/A	N/A
5350	27.13	PK	H	32.03	5.37	0.00	64.53	58.53	74	15.47
5350	15.46	AV	H	32.03	5.37	0.00	52.86	46.86	54	7.14
10620	33.03	PK	H	37.45	7.93	26.28	52.13	46.13	74	27.87
10620	21.89	AV	H	37.45	7.93	26.28	40.99	34.99	54	19.01
15930	32.70	PK	H	39.49	10.27	25.29	57.17	51.17	74	22.83
15930	20.93	AV	H	39.49	10.27	25.29	45.4	39.4	54	14.6
3245	41.80	PK	H	25.57	3.80	26.50	44.67	38.67	74	35.33
3245	30.58	AV	H	25.57	3.80	26.50	33.45	27.45	54	26.55
6742	35.24	PK	H	33.84	6.10	26.40	48.78	42.78	74	31.22
6742	24.89	AV	H	33.84	6.10	26.40	38.43	32.43	54	21.57
280.26	52.94	QP	H	13.90	1.22	27.50	40.56	40.56	46.00	5.44
316.15	51.79	QP	H	14.50	1.19	27.60	39.88	39.88	46.00	6.12

802.11 ac 40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5270 MHz										
5270	76.54	PK	H	31.89	5.29	0.00	113.72	107.72	N/A	N/A
5270	66.18	AV	H	31.89	5.29	0.00	103.36	97.36	N/A	N/A
5270	69.85	PK	V	31.89	5.29	0.00	107.03	101.03	N/A	N/A
5270	60.02	AV	V	31.89	5.29	0.00	97.2	91.2	N/A	N/A
5150	26.08	PK	H	31.67	5.18	0.00	62.93	56.93	74	17.07
5150	15.15	AV	H	31.67	5.18	0.00	52	46	54	8
10540	33.46	PK	H	37.42	7.88	26.33	52.43	46.43	74	27.57
10540	22.90	AV	H	37.42	7.88	26.33	41.87	35.87	54	18.13
15810	33.04	PK	H	39.46	10.25	25.30	57.45	51.45	74	22.55
15810	21.03	AV	H	39.46	10.25	25.30	45.44	39.44	54	14.56
3956	38.18	PK	H	28.82	4.85	26.55	45.3	39.3	74	34.7
3956	26.42	AV	H	28.82	4.85	26.55	33.54	27.54	54	26.46
2786	39.69	PK	H	23.77	3.24	26.62	40.08	34.08	74	39.92
6657	24.59	AV	H	33.68	6.11	26.45	37.93	31.93	54	22.07
280.26	52.83	QP	H	13.90	1.22	27.50	40.45	40.45	46.00	5.55
316.15	51.61	QP	H	14.50	1.19	27.60	39.70	39.70	46.00	6.30
High Channel:5310 MHz										
5310	75.91	PK	H	31.96	5.33	0.00	113.2	107.2	N/A	N/A
5310	65.62	AV	H	31.96	5.33	0.00	102.91	96.91	N/A	N/A
5310	69.50	PK	V	31.96	5.33	0.00	106.79	100.79	N/A	N/A
5310	59.27	AV	V	31.96	5.33	0.00	96.56	90.56	N/A	N/A
5350	28.03	PK	H	32.03	5.37	0.00	65.43	59.43	74	14.57
5350	15.39	AV	H	32.03	5.37	0.00	52.79	46.79	54	7.21
10620	33.70	PK	H	37.45	7.93	26.28	52.8	46.8	74	27.2
10620	21.48	AV	H	37.45	7.93	26.28	40.58	34.58	54	19.42
15930	33.16	PK	H	39.49	10.27	25.29	57.63	51.63	74	22.37
15930	20.65	AV	H	39.49	10.27	25.29	45.12	39.12	54	14.88
4037	37.95	PK	H	29.06	4.95	26.57	45.39	39.39	74	34.61
4037	26.29	AV	H	29.06	4.95	26.57	33.73	27.73	54	26.27
6854	35.75	PK	H	34.04	6.09	26.34	49.54	43.54	74	30.46
6854	24.78	AV	H	34.04	6.09	26.34	38.57	32.57	54	21.43
280.26	52.98	QP	H	13.90	1.22	27.50	40.60	40.60	46.00	5.40
316.15	52.77	QP	H	14.50	1.19	27.60	40.86	40.86	46.00	5.14

802.11 ac 80 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Middle Channel:5290 MHz										
5290	72.49	PK	H	31.92	5.31	0.00	109.72	103.72	N/A	N/A
5290	61.35	AV	H	31.92	5.31	0.00	98.58	92.58	N/A	N/A
5290	65.52	PK	V	31.92	5.31	0.00	102.75	96.75	N/A	N/A
5290	51.16	AV	V	31.92	5.31	0.00	88.39	82.39	N/A	N/A
5150	26.68	PK	H	31.67	5.18	0.00	63.53	57.53	74	16.47
5150	14.59	AV	H	31.67	5.18	0.00	51.44	45.44	54	8.56
5350	28.21	PK	H	32.03	5.37	0.00	65.61	59.61	74	14.39
5350	15.17	AV	H	32.03	5.37	0.00	52.57	46.57	54	7.43
10580	33.27	PK	H	37.43	7.91	26.30	52.31	46.31	74	27.69
10580	22.33	AV	H	37.43	7.91	26.30	41.37	35.37	54	18.63
15870	33.34	PK	H	39.47	10.26	25.29	57.78	51.78	74	22.22
15870	21.75	AV	H	39.47	10.26	25.29	46.19	40.19	54	13.81
6845	35.65	PK	H	34.02	6.09	26.34	49.42	43.42	74	30.58
6845	25.69	AV	H	34.02	6.09	26.34	39.46	33.46	54	20.54
280.26	53.22	QP	H	13.90	1.22	27.50	40.84	40.84	46.00	5.16
316.15	52.95	QP	H	14.50	1.19	27.60	41.04	41.04	46.00	4.96

**5470-5725MHz**

802.11a mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5500 MHz										
5500	80.11	PK	H	32.30	5.52	0.00	117.93	111.93	N/A	N/A
5500	69.97	AV	H	32.30	5.52	0.00	107.79	101.79	N/A	N/A
5500	74.37	PK	V	32.30	5.52	0.00	112.19	106.19	N/A	N/A
5500	63.99	AV	V	32.30	5.52	0.00	101.81	95.81	N/A	N/A
5470	31.24	PK	H	32.25	5.49	0.00	68.98	62.98	74	11.02
5470	15.90	AV	H	32.25	5.49	0.00	53.64	47.64	54	6.36
11000	33.69	PK	H	37.60	8.20	26.06	53.43	47.43	74	26.57
11000	21.92	AV	H	37.60	8.20	26.06	41.66	35.66	54	18.34
16500	33.67	PK	H	40.30	10.44	25.48	58.93	52.93	74	21.07
16500	22.50	AV	H	40.30	10.44	25.48	47.76	41.76	54	12.24
2556	42.26	PK	H	23.31	3.04	26.84	41.77	35.77	74	38.23
2556	31.07	AV	H	23.31	3.04	26.84	30.58	24.58	54	29.42
6348	38.81	PK	H	33.25	6.08	26.57	51.57	45.57	74	28.43
6348	26.13	AV	H	33.25	6.08	26.57	38.89	32.89	54	21.11
280.26	53.41	QP	H	13.90	1.22	27.50	41.03	41.03	46.00	4.97
316.15	53.12	QP	H	14.50	1.19	27.60	41.21	41.21	46.00	4.79
Middle Channel:5600 MHz										
5600	79.85	PK	H	32.42	5.61	0.00	117.88	111.88	N/A	N/A
5600	70.00	AV	H	32.42	5.61	0.00	108.03	102.03	N/A	N/A
5600	74.84	PK	V	32.42	5.61	0.00	112.87	106.87	N/A	N/A
5600	63.56	AV	V	32.42	5.61	0.00	101.59	95.59	N/A	N/A
11200	35.01	PK	H	37.76	8.21	26.04	54.94	48.94	74	25.06
11200	23.75	AV	H	37.76	8.21	26.04	43.68	37.68	54	16.32
16800	36.73	PK	H	41.26	10.43	25.59	62.83	56.83	74	17.17
16800	26.11	AV	H	41.26	10.43	25.59	52.21	46.21	54	7.79
3749	38.65	PK	H	28.00	4.55	26.57	44.63	38.63	74	35.37
3749	28.34	AV	H	28.00	4.55	26.57	34.32	28.32	54	25.68
6685	36.36	PK	H	33.73	6.11	26.43	49.77	43.77	74	30.23
6685	26.19	AV	H	33.73	6.11	26.43	39.6	33.6	54	20.4
280.26	52.75	QP	H	13.90	1.22	27.50	40.37	40.37	46.00	5.63
316.15	52.63	QP	H	14.50	1.19	27.60	40.72	40.72	46.00	5.28
High Channel:5700 MHz										
5700	78.84	PK	H	32.54	5.70	0.00	117.08	111.08	N/A	N/A
5700	68.71	AV	H	32.54	5.70	0.00	106.95	100.95	N/A	N/A
5700	73.03	PK	V	32.54	5.70	0.00	111.27	105.27	N/A	N/A
5700	62.65	AV	V	32.54	5.70	0.00	100.89	94.89	N/A	N/A
5725	27.99	PK	H	32.57	5.72	0.00	66.28	60.28	74	13.72
5725	14.67	AV	H	32.57	5.72	0.00	52.96	46.96	54	7.04
11400	36.28	PK	H	37.92	8.22	26.03	56.39	50.39	74	23.61
11400	24.23	AV	H	37.92	8.22	26.03	44.34	38.34	54	15.66
17100	35.40	PK	H	42.36	10.60	25.80	62.56	56.56	74	17.44
17100	24.21	AV	H	42.36	10.60	25.80	51.37	45.37	54	8.63
4057	37.32	PK	H	29.09	4.96	26.58	44.79	38.79	74	35.21
4057	27.01	AV	H	29.09	4.96	26.58	34.48	28.48	54	25.52
6158	35.99	PK	H	33.06	6.01	26.62	48.44	42.44	74	31.56
6158	25.96	AV	H	33.06	6.01	26.62	38.41	32.41	54	21.59
280.26	52.98	QP	H	13.90	1.22	27.50	40.60	40.60	46.00	5.40
316.15	52.67	QP	H	14.50	1.19	27.60	40.76	40.76	46.00	5.24

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5720 MHz										
5720	80.02	PK	H	32.56	5.71	0.00	118.29	112.29	N/A	N/A
5720	69.28	AV	H	32.56	5.71	0.00	107.55	101.55	N/A	N/A
5720	74.63	PK	V	32.56	5.71	0.00	112.9	106.9	N/A	N/A
5720	62.83	AV	V	32.56	5.71	0.00	101.1	95.1	N/A	N/A
11440	35.63	PK	H	37.95	8.22	26.02	55.78	49.78	74	24.22
11440	24.08	AV	H	37.95	8.22	26.02	44.23	38.23	54	15.77
17160	34.74	PK	H	42.64	10.70	25.89	62.19	56.19	74	17.81
17160	24.25	AV	H	42.64	10.70	25.89	51.7	45.7	54	8.3
3581	39.77	PK	H	27.32	4.30	26.58	44.81	38.81	74	35.19
3581	29.94	AV	H	27.32	4.30	26.58	34.98	28.98	54	25.02
6247	37.07	PK	H	33.15	6.04	26.60	49.66	43.66	74	30.34
6247	27.17	AV	H	33.15	6.04	26.60	39.76	33.76	54	20.24
280.26	52.7	QP	H	13.90	1.22	27.50	40.32	40.32	46.00	5.68
316.15	52.58	QP	H	14.50	1.19	27.60	40.67	40.67	46.00	5.33

802.11n ht20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5500 MHz										
5500	80.13	PK	H	32.30	5.52	0.00	117.95	111.95	N/A	N/A
5500	69.78	AV	H	32.30	5.52	0.00	107.6	101.6	N/A	N/A
5500	74.60	PK	V	32.30	5.52	0.00	112.42	106.42	N/A	N/A
5500	64.15	AV	V	32.30	5.52	0.00	101.97	95.97	N/A	N/A
5470	30.75	PK	H	32.25	5.49	0.00	68.49	62.49	74	11.51
5470	15.48	AV	H	32.25	5.49	0.00	53.22	47.22	54	6.78
11000	35.43	PK	H	37.60	8.20	26.06	55.17	49.17	74	24.83
11000	23.46	AV	H	37.60	8.20	26.06	43.2	37.2	54	16.8
16500	35.18	PK	H	40.30	10.44	25.48	60.44	54.44	74	19.56
16500	24.37	AV	H	40.30	10.44	25.48	49.63	43.63	54	10.37
3357	40.22	PK	H	26.20	3.97	26.54	43.85	37.85	74	36.15
3357	29.67	AV	H	26.20	3.97	26.54	33.3	27.3	54	26.7
6695	35.63	PK	H	33.75	6.11	26.42	49.07	43.07	74	30.93
6695	26.70	AV	H	33.75	6.11	26.42	40.14	34.14	54	19.86
280.26	52.96	QP	H	13.90	1.22	27.50	40.58	40.58	46.00	5.42
316.15	53.06	QP	H	14.50	1.19	27.60	41.15	41.15	46.00	4.85
Middle Channel:5600 MHz										
5600	80.74	PK	H	32.42	5.61	0.00	118.77	112.77	N/A	N/A
5600	70.08	AV	H	32.42	5.61	0.00	108.11	102.11	N/A	N/A
5600	74.58	PK	V	32.42	5.61	0.00	112.61	106.61	N/A	N/A
5600	64.12	AV	V	32.42	5.61	0.00	102.15	96.15	N/A	N/A
11200	33.29	PK	H	37.76	8.21	26.04	53.22	47.22	74	26.78
11200	21.62	AV	H	37.76	8.21	26.04	41.55	35.55	54	18.45
16800	35.29	PK	H	41.26	10.43	25.59	61.39	55.39	74	18.61
16800	22.94	AV	H	41.26	10.43	25.59	49.04	43.04	54	10.96
3624	40.19	PK	H	27.50	4.36	26.58	45.47	39.47	74	34.53
3624	28.00	AV	H	27.50	4.36	26.58	33.28	27.28	54	26.72
6582	38.44	PK	H	33.55	6.12	26.49	51.62	45.62	74	28.38
6582	26.22	AV	H	33.55	6.12	26.49	39.4	33.4	54	20.6
280.26	53.2	QP	H	13.90	1.22	27.50	40.82	40.82	46.00	5.18
316.15	53.24	QP	H	14.50	1.19	27.60	41.33	41.33	46.00	4.67
High Channel:5700 MHz										
5700	78.38	PK	H	32.54	5.70	0.00	116.62	110.62	N/A	N/A
5700	68.05	AV	H	32.54	5.70	0.00	106.29	100.29	N/A	N/A
5700	71.93	PK	V	32.54	5.70	0.00	110.17	104.17	N/A	N/A
5700	62.00	AV	V	32.54	5.70	0.00	100.24	94.24	N/A	N/A
5725	27.59	PK	H	32.57	5.72	0.00	65.88	59.88	74	14.12
5725	14.53	AV	H	32.57	5.72	0.00	52.82	46.82	54	7.18
11400	35.95	PK	H	37.92	8.22	26.03	56.06	50.06	74	23.94
11400	24.26	AV	H	37.92	8.22	26.03	44.37	38.37	54	15.63
17100	35.52	PK	H	42.36	10.60	25.80	62.68	56.68	74	17.32
17100	24.85	AV	H	42.36	10.60	25.80	52.01	46.01	54	7.99
4128	37.13	PK	H	29.20	5.01	26.63	44.71	38.71	74	35.29
4128	27.23	AV	H	29.20	5.01	26.63	34.81	28.81	54	25.19
6452	35.51	PK	H	33.35	6.11	26.54	48.43	42.43	74	31.57
6452	26.54	AV	H	33.35	6.11	26.54	39.46	33.46	54	20.54
280.26	53.39	QP	H	13.90	1.22	27.50	41.01	41.01	46.00	4.99
316.15	53.41	QP	H	14.50	1.19	27.60	41.50	41.50	46.00	4.50

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5720 MHz										
5720	79.54	PK	H	32.56	5.71	0.00	117.81	111.81	N/A	N/A
5720	69.82	AV	H	32.56	5.71	0.00	108.09	102.09	N/A	N/A
5720	74.46	PK	V	32.56	5.71	0.00	112.73	106.73	N/A	N/A
5720	63.73	AV	V	32.56	5.71	0.00	102	96	N/A	N/A
11440	36.51	PK	H	37.95	8.22	26.02	56.66	50.66	74	23.34
11440	24.79	AV	H	37.95	8.22	26.02	44.94	38.94	54	15.06
17160	35.03	PK	H	42.64	10.70	25.89	62.48	56.48	74	17.52
17160	24.48	AV	H	42.64	10.70	25.89	51.93	45.93	54	8.07
3765	38.63	PK	H	28.06	4.57	26.57	44.69	38.69	74	35.31
3765	27.56	AV	H	28.06	4.57	26.57	33.62	27.62	54	26.38
6443	35.87	PK	H	33.34	6.11	26.54	48.78	42.78	74	31.22
6443	26.42	AV	H	33.34	6.11	26.54	39.33	33.33	54	20.67
280.26	52.59	QP	H	13.90	1.22	27.50	40.21	40.21	46.00	5.79
316.15	52.4	QP	H	14.50	1.19	27.60	40.49	40.49	46.00	5.51

802.11ac 20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5500 MHz										
5500	79.08	PK	H	32.30	5.52	0.00	116.9	110.9	N/A	N/A
5500	69.09	AV	H	32.30	5.52	0.00	106.91	100.91	N/A	N/A
5500	73.34	PK	V	32.30	5.52	0.00	111.16	105.16	N/A	N/A
5500	62.92	AV	V	32.30	5.52	0.00	100.74	94.74	N/A	N/A
5470	29.97	PK	H	32.25	5.49	0.00	67.71	61.71	74	12.29
5470	15.28	AV	H	32.25	5.49	0.00	53.02	47.02	54	6.98
11000	33.99	PK	H	37.60	8.20	26.06	53.73	47.73	74	26.27
11000	21.12	AV	H	37.60	8.20	26.06	40.86	34.86	54	19.14
16500	33.84	PK	H	40.30	10.44	25.48	59.1	53.1	74	20.9
16500	22.32	AV	H	40.30	10.44	25.48	47.58	41.58	54	12.42
4235	38.45	PK	H	29.38	5.08	26.69	46.22	40.22	74	33.78
4235	26.98	AV	H	29.38	5.08	26.69	34.75	28.75	54	25.25
6743	36.64	PK	H	33.84	6.10	26.40	50.18	44.18	74	29.82
6743	26.33	AV	H	33.84	6.10	26.40	39.87	33.87	54	20.13
280.26	52.73	QP	H	13.90	1.22	27.50	40.35	40.35	46.00	5.65
316.15	52.92	QP	H	14.50	1.19	27.60	41.01	41.01	46.00	4.99
Middle Channel:5600 MHz										
5600	80.16	PK	H	32.42	5.61	0.00	118.19	112.19	N/A	N/A
5600	69.50	AV	H	32.42	5.61	0.00	107.53	101.53	N/A	N/A
5600	72.91	PK	V	32.42	5.61	0.00	110.94	104.94	N/A	N/A
5600	62.67	AV	V	32.42	5.61	0.00	100.7	94.7	N/A	N/A
11200	35.06	PK	H	37.76	8.21	26.04	54.99	48.99	74	25.01
11200	24.67	AV	H	37.76	8.21	26.04	44.6	38.6	54	15.4
16800	36.68	PK	H	41.26	10.43	25.59	62.78	56.78	74	17.22
16800	25.31	AV	H	41.26	10.43	25.59	51.41	45.41	54	8.59
2065	36.92	PK	H	24.68	3.04	26.83	37.81	31.81	74	42.19
2065	27.49	AV	H	24.68	3.04	26.83	28.38	22.38	54	31.62
6624	35.49	PK	H	33.62	6.12	26.46	48.77	42.77	74	31.23
6624	26.74	AV	H	33.62	6.12	26.46	40.02	34.02	54	19.98
280.26	52.96	QP	H	13.90	1.22	27.50	40.58	40.58	46.00	5.42
316.15	52.96	QP	H	14.50	1.19	27.60	41.05	41.05	46.00	4.95
High Channel:5700 MHz										
5700	78.01	PK	H	32.54	5.70	0.00	116.25	110.25	N/A	N/A
5700	67.46	AV	H	32.54	5.70	0.00	105.7	99.7	N/A	N/A
5700	71.62	PK	V	32.54	5.70	0.00	109.86	103.86	N/A	N/A
5700	61.16	AV	V	32.54	5.70	0.00	99.4	93.4	N/A	N/A
5725	27.69	PK	H	32.57	5.72	0.00	65.98	59.98	74	14.02
5725	14.66	AV	H	32.57	5.72	0.00	52.95	46.95	54	7.05
11400	35.41	PK	H	37.92	8.22	26.03	55.52	49.52	74	24.48
11400	24.66	AV	H	37.92	8.22	26.03	44.77	38.77	54	15.23
17100	36.26	PK	H	42.36	10.60	25.80	63.42	57.42	74	16.58
17100	24.72	AV	H	42.36	10.60	25.80	51.88	45.88	54	8.12
1846	36.60	PK	H	24.65	2.93	26.67	37.51	31.51	74	42.49
1846	25.91	AV	H	24.65	2.93	26.67	26.82	20.82	54	33.18
4422	37.14	PK	H	29.68	5.22	26.80	45.24	39.24	74	34.76
4422	27.47	AV	H	29.68	5.22	26.80	35.57	29.57	54	24.43
280.26	52.68	QP	H	13.90	1.22	27.50	40.30	40.30	46.00	5.70
316.15	52.87	QP	H	14.50	1.19	27.60	40.96	40.96	46.00	5.04

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5720 MHz										
5720	79.49	PK	H	32.56	5.71	0.00	117.76	111.76	N/A	N/A
5720	68.47	AV	H	32.56	5.71	0.00	106.74	100.74	N/A	N/A
5720	72.69	PK	V	32.56	5.71	0.00	110.96	104.96	N/A	N/A
5720	62.05	AV	V	32.56	5.71	0.00	100.32	94.32	N/A	N/A
11440	36.64	PK	H	37.95	8.22	26.02	56.79	50.79	74	23.21
11440	25.10	AV	H	37.95	8.22	26.02	45.25	39.25	54	14.75
17160	35.42	PK	H	42.64	10.70	25.89	62.87	56.87	74	17.13
17160	24.14	AV	H	42.64	10.70	25.89	51.59	45.59	54	8.41
3326	40.10	PK	H	26.03	3.92	26.53	43.52	37.52	74	36.48
3326	29.74	AV	H	26.03	3.92	26.53	33.16	27.16	54	26.84
6348	36.13	PK	H	33.25	6.08	26.57	48.89	42.89	74	31.11
6348	26.91	AV	H	33.25	6.08	26.57	39.67	33.67	54	20.33
280.26	53.08	QP	H	13.90	1.22	27.50	40.70	40.70	46.00	5.30
316.15	52.96	QP	H	14.50	1.19	27.60	41.05	41.05	46.00	4.95

802.11n ht40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5510 MHz										
5510	74.93	PK	H	32.31	5.53	0.00	112.77	106.77	N/A	N/A
5510	64.51	AV	H	32.31	5.53	0.00	102.35	96.35	N/A	N/A
5510	67.84	PK	V	32.31	5.53	0.00	105.68	99.68	N/A	N/A
5510	58.00	AV	V	32.31	5.53	0.00	95.84	89.84	N/A	N/A
5470	29.11	PK	H	32.25	5.49	0.00	66.85	60.85	74	13.15
5470	15.50	AV	H	32.25	5.49	0.00	53.24	47.24	54	6.76
11020	32.72	PK	H	37.62	8.20	26.06	52.48	46.48	74	27.52
11020	21.71	AV	H	37.62	8.20	26.06	41.47	35.47	54	18.53
16530	34.26	PK	H	40.40	10.44	25.49	59.61	53.61	74	20.39
16530	22.42	AV	H	40.40	10.44	25.49	47.77	41.77	54	12.23
3325	40.88	PK	H	26.02	3.92	26.53	44.29	38.29	74	35.71
3325	28.91	AV	H	26.02	3.92	26.53	32.32	26.32	54	27.68
6427	39.25	PK	H	33.33	6.11	26.55	52.14	46.14	74	27.86
6427	26.22	AV	H	33.33	6.11	26.55	39.11	33.11	54	20.89
280.26	53.32	QP	H	13.90	1.22	27.50	40.94	40.94	46.00	5.06
316.15	53.14	QP	H	14.50	1.19	27.60	41.23	41.23	46.00	4.77
Middle Channel:5590 MHz										
5590	75.43	PK	H	32.41	5.60	0.00	113.44	107.44	N/A	N/A
5590	65.00	AV	H	32.41	5.60	0.00	103.01	97.01	N/A	N/A
5590	67.41	PK	V	32.41	5.60	0.00	105.42	99.42	N/A	N/A
5590	57.69	AV	V	32.41	5.60	0.00	95.7	89.7	N/A	N/A
11180	36.00	PK	H	37.74	8.21	26.05	55.9	49.9	74	24.1
11180	24.73	AV	H	37.74	8.21	26.05	44.63	38.63	54	15.37
16770	36.25	PK	H	41.16	10.43	25.58	62.26	56.26	74	17.74
16770	25.66	AV	H	41.16	10.43	25.58	51.67	45.67	54	8.33
3525	39.02	PK	H	27.10	4.22	26.59	43.75	37.75	74	36.25
3525	28.41	AV	H	27.10	4.22	26.59	33.14	27.14	54	26.86
6374	36.09	PK	H	33.27	6.09	26.56	48.89	42.89	74	31.11
6374	26.64	AV	H	33.27	6.09	26.56	39.44	33.44	54	20.56
280.26	53.51	QP	H	13.90	1.22	27.50	41.13	41.13	46.00	4.87
316.15	53.31	QP	H	14.50	1.19	27.60	41.40	41.40	46.00	4.60
High Channel:5670 MHz										
5670	74.48	PK	H	32.50	5.67	0.00	112.65	106.65	N/A	N/A
5670	64.73	AV	H	32.50	5.67	0.00	102.9	96.9	N/A	N/A
5670	67.25	PK	V	32.50	5.67	0.00	105.42	99.42	N/A	N/A
5670	57.04	AV	V	32.50	5.67	0.00	95.21	89.21	N/A	N/A
5725	27.02	PK	H	32.57	5.72	0.00	65.31	59.31	74	14.69
5725	14.35	AV	H	32.57	5.72	0.00	52.64	46.64	54	7.36
11340	35.72	PK	H	37.87	8.21	26.03	55.77	49.77	74	24.23
11340	24.39	AV	H	37.87	8.21	26.03	44.44	38.44	54	15.56
17010	36.66	PK	H	41.95	10.45	25.67	63.39	57.39	74	16.61
17010	25.80	AV	H	41.95	10.45	25.67	52.53	46.53	54	7.47
1764	35.38	PK	H	24.52	2.87	26.59	36.18	30.18	74	43.82
1764	26.04	AV	H	24.52	2.87	26.59	26.84	20.84	54	33.16
3364	39.12	PK	H	26.24	3.98	26.54	42.8	36.8	74	37.2
3364	29.36	AV	H	26.24	3.98	26.54	33.04	27.04	54	26.96
280.26	52.85	QP	H	13.90	1.22	27.50	40.47	40.47	46.00	5.53
316.15	52.82	QP	H	14.50	1.19	27.60	40.91	40.91	46.00	5.09

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5710 MHz										
5710	75.01	PK	H	32.55	5.70	0.00	113.26	107.26	N/A	N/A
5710	64.48	AV	H	32.55	5.70	0.00	102.73	96.73	N/A	N/A
5710	68.03	PK	V	32.55	5.70	0.00	106.28	100.28	N/A	N/A
5710	57.69	AV	V	32.55	5.70	0.00	95.94	89.94	N/A	N/A
11420	35.92	PK	H	37.94	8.22	26.03	56.05	50.05	74	23.95
11420	24.60	AV	H	37.94	8.22	26.03	44.73	38.73	54	15.27
17130	35.62	PK	H	42.50	10.65	25.84	62.93	56.93	74	17.07
17130	24.29	AV	H	42.50	10.65	25.84	51.6	45.6	54	8.4
3357	39.74	PK	H	26.20	3.97	26.54	43.37	37.37	74	36.63
3357	29.64	AV	H	26.20	3.97	26.54	33.27	27.27	54	26.73
6733	35.85	PK	H	33.82	6.10	26.40	49.37	43.37	74	30.63
6733	26.35	AV	H	33.82	6.10	26.40	39.87	33.87	54	20.13
280.26	53.08	QP	H	13.90	1.22	27.50	40.70	40.70	46.00	5.30
316.15	52.86	QP	H	14.50	1.19	27.60	40.95	40.95	46.00	5.05

802.11 ac 40 mode

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5510 MHz										
5510	77.20	PK	H	32.31	5.53	0.00	115.04	109.04	N/A	N/A
5510	65.92	AV	H	32.31	5.53	0.00	103.76	97.76	N/A	N/A
5510	68.90	PK	V	32.31	5.53	0.00	106.74	100.74	N/A	N/A
5510	58.18	AV	V	32.31	5.53	0.00	96.02	90.02	N/A	N/A
5470	31.40	PK	H	32.25	5.49	0.00	69.14	63.14	74	10.86
5470	15.56	AV	H	32.25	5.49	0.00	53.3	47.3	54	6.7
11020	33.21	PK	H	37.62	8.20	26.06	52.97	46.97	74	27.03
11020	22.08	AV	H	37.62	8.20	26.06	41.84	35.84	54	18.16
16530	33.94	PK	H	40.40	10.44	25.49	59.29	53.29	74	20.71
16530	22.06	AV	H	40.40	10.44	25.49	47.41	41.41	54	12.59
3215	43.53	PK	H	25.40	3.75	26.49	46.19	40.19	74	33.81
3215	31.55	AV	H	25.40	3.75	26.49	34.21	28.21	54	25.79
6123	38.65	PK	H	33.02	6.00	26.63	51.04	45.04	74	28.96
6123	26.28	AV	H	33.02	6.00	26.63	38.67	32.67	54	21.33
280.26	52.8	QP	H	13.90	1.22	27.50	40.42	40.42	46.00	5.58
316.15	52.77	QP	H	14.50	1.19	27.60	40.86	40.86	46.00	5.14
Middle Channel:5590 MHz										
5590	77.37	PK	H	32.41	5.60	0.00	115.38	109.38	N/A	N/A
5590	65.79	AV	H	32.41	5.60	0.00	103.8	97.8	N/A	N/A
5590	68.92	PK	V	32.41	5.60	0.00	106.93	100.93	N/A	N/A
5590	58.47	AV	V	32.41	5.60	0.00	96.48	90.48	N/A	N/A
11180	33.13	PK	H	37.74	8.21	26.05	53.03	47.03	74	26.97
11180	22.70	AV	H	37.74	8.21	26.05	42.6	36.6	54	17.4
16770	36.02	PK	H	41.16	10.43	25.58	62.03	56.03	74	17.97
16770	24.07	AV	H	41.16	10.43	25.58	50.08	44.08	54	9.92
6358	37.89	PK	H	33.26	6.08	26.57	50.66	44.66	74	29.34
6358	27.23	AV	H	33.26	6.08	26.57	40	34	54	20
2587	40.72	PK	H	23.37	3.07	26.81	40.35	34.35	74	39.65
2587	31.78	AV	H	23.37	3.07	26.81	31.41	25.41	54	28.59
280.26	52.69	QP	H	13.90	1.22	27.50	40.31	40.31	46.00	5.69
316.15	52.59	QP	H	14.50	1.19	27.60	40.68	40.68	46.00	5.32
High Channel:5670 MHz										
5670	76.61	PK	H	32.50	5.67	0.00	114.78	108.78	N/A	N/A
5670	65.98	AV	H	32.50	5.67	0.00	104.15	98.15	N/A	N/A
5670	68.53	PK	V	32.50	5.67	0.00	106.7	100.7	N/A	N/A
5670	58.85	AV	V	32.50	5.67	0.00	97.02	91.02	N/A	N/A
5725	26.58	PK	H	32.57	5.72	0.00	64.87	58.87	74	15.13
5725	14.09	AV	H	32.57	5.72	0.00	52.38	46.38	54	7.62
11340	34.13	PK	H	37.87	8.21	26.03	54.18	48.18	74	25.82
11340	22.73	AV	H	37.87	8.21	26.03	42.78	36.78	54	17.22
17010	35.14	PK	H	41.95	10.45	25.67	61.87	55.87	74	18.13
17010	23.27	AV	H	41.95	10.45	25.67	50	44	54	10
1557	37.39	PK	H	24.19	2.71	26.39	37.9	31.9	74	42.1
1557	25.89	AV	H	24.19	2.71	26.39	26.4	20.4	54	33.6
3045	42.08	PK	H	24.45	3.50	26.43	43.6	37.6	74	36.4
3045	32.74	AV	H	24.45	3.50	26.43	34.26	28.26	54	25.74
280.26	53.15	QP	H	13.90	1.22	27.50	40.77	40.77	46.00	5.23
316.15	51.65	QP	H	14.50	1.19	27.60	39.74	39.74	46.00	6.26

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dB $\mu$ V/m)	Extrapolation Result dB $\mu$ V/m	Limit (dB $\mu$ V/m)	Margin (dB)
	Reading (dB $\mu$ V)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Crossed Channel:5710 MHz										
5710	77.30	PK	H	32.55	5.70	0.00	115.55	109.55	N/A	N/A
5710	65.59	AV	H	32.55	5.70	0.00	103.84	97.84	N/A	N/A
5710	68.31	PK	V	32.55	5.70	0.00	106.56	100.56	N/A	N/A
5710	58.16	AV	V	32.55	5.70	0.00	96.41	90.41	N/A	N/A
11420	33.68	PK	H	37.94	8.22	26.03	53.81	47.81	74	26.19
11420	22.66	AV	H	37.94	8.22	26.03	42.79	36.79	54	17.21
17130	34.55	PK	H	42.50	10.65	25.84	61.86	55.86	74	18.14
17130	22.51	AV	H	42.50	10.65	25.84	49.82	43.82	54	10.18
3252	42.67	PK	H	25.61	3.81	26.50	45.59	39.59	74	34.41
3252	31.61	AV	H	25.61	3.81	26.50	34.53	28.53	54	25.47
6288	36.60	PK	H	33.19	6.06	26.59	49.26	43.26	74	30.74
6288	26.86	AV	H	33.19	6.06	26.59	39.52	33.52	54	20.48
280.26	53.39	QP	H	13.90	1.22	27.50	41.01	41.01	46.00	4.99
316.15	51.83	QP	H	14.50	1.19	27.60	39.92	39.92	46.00	6.08

802.11 ac 80 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5530 MHz										
5530	72.74	PK	H	32.34	5.55	0.00	110.63	104.63	N/A	N/A
5530	61.12	AV	H	32.34	5.55	0.00	99.01	93.01	N/A	N/A
5530	62.97	PK	V	32.34	5.55	0.00	100.86	94.86	N/A	N/A
5530	53.04	AV	V	32.34	5.55	0.00	90.93	84.93	N/A	N/A
5470	28.17	PK	H	32.25	5.49	0.00	65.91	59.91	74	14.09
5470	15.86	AV	H	32.25	5.49	0.00	53.6	47.6	54	6.4
11060	31.55	PK	H	37.65	8.20	26.06	51.34	45.34	74	28.66
11060	20.81	AV	H	37.65	8.20	26.06	40.6	34.6	54	19.4
16590	36.91	PK	H	40.59	10.44	25.51	62.43	56.43	74	17.57
16590	24.10	AV	H	40.59	10.44	25.51	49.62	43.62	54	10.38
3024	44.05	PK	H	24.33	3.47	26.42	45.43	39.43	74	34.57
3024	32.98	AV	H	24.33	3.47	26.42	34.36	28.36	54	25.64
280.26	53.58	QP	H	13.90	1.22	27.50	41.20	41.20	46.00	4.80
316.15	52	QP	H	14.50	1.19	27.60	40.09	40.09	46.00	5.91
High Channel:5610 MHz										
5610	72.56	PK	H	32.43	5.62	0.00	110.61	104.61	N/A	N/A
5610	62.08	AV	H	32.43	5.62	0.00	100.13	94.13	N/A	N/A
5610	62.19	PK	V	32.43	5.62	0.00	100.24	94.24	N/A	N/A
5610	51.85	AV	V	32.43	5.62	0.00	89.9	83.9	N/A	N/A
5725	26.25	PK	H	32.57	5.72	0.00	64.54	58.54	74	15.46
5725	14.30	AV	H	32.57	5.72	0.00	52.59	46.59	54	7.41
11220	32.17	PK	H	37.78	8.21	26.04	52.12	46.12	74	27.88
11220	21.25	AV	H	37.78	8.21	26.04	41.2	35.2	54	18.8
16830	36.71	PK	H	41.36	10.43	25.60	62.9	56.9	74	17.1
16830	24.56	AV	H	41.36	10.43	25.60	50.75	44.75	54	9.25
6048	37.88	PK	H	32.95	5.98	26.65	50.16	44.16	74	29.84
6048	26.25	AV	H	32.95	5.98	26.65	38.53	32.53	54	21.47
280.26	52.92	QP	H	13.90	1.22	27.50	40.54	40.54	46.00	5.46
316.15	51.51	QP	H	14.50	1.19	27.60	39.60	39.60	46.00	6.40
Crossed Channel:5690 MHz										
5690	73.03	PK	H	32.53	5.69	0.00	111.25	105.25	N/A	N/A
5690	60.73	AV	H	32.53	5.69	0.00	98.95	92.95	N/A	N/A
5690	62.56	PK	V	32.53	5.69	0.00	100.78	94.78	N/A	N/A
5690	53.08	AV	V	32.53	5.69	0.00	91.30	85.30	N/A	N/A
11380	31.91	PK	H	37.90	8.22	26.03	52.00	46.00	74	28.00
11380	20.34	AV	H	37.90	8.22	26.03	40.43	34.43	54	19.57
17070	36.42	PK	H	42.22	10.55	25.76	63.43	57.43	74	16.57
17070	24.35	AV	H	42.22	10.55	25.76	51.36	45.36	54	8.64
3368	41.44	PK	H	26.26	3.98	26.54	45.14	39.14	74	34.86
3368	29.85	AV	H	26.26	3.98	26.54	33.55	27.55	54	26.45
280.26	53.15	QP	H	13.90	1.22	27.50	40.77	40.77	46.00	5.23
316.15	51.55	QP	H	14.50	1.19	27.60	39.64	39.64	46.00	6.36

**5725-5850MHz:**

802.11a mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5745 MHz										
5745	79.44	PK	H	32.59	5.74	0.00	117.77	111.77	N/A	N/A
5745	69.42	AV	H	32.59	5.74	0.00	107.75	101.75	N/A	N/A
5745	73.86	PK	V	32.59	5.74	0.00	112.19	106.19	N/A	N/A
5745	64.08	AV	V	32.59	5.74	0.00	102.41	96.41	N/A	N/A
5725	38.73	PK	H	32.57	5.72	0.00	77.02	71.02	122.20	51.18
5720	34.03	PK	H	32.56	5.71	0.00	72.30	66.30	110.80	44.50
5700	26.74	PK	H	32.54	5.70	0.00	64.98	58.98	105.20	46.22
5650	26.10	PK	H	32.48	5.65	0.00	64.23	58.23	68.20	9.97
11490	34.52	PK	H	37.99	8.22	26.02	54.71	48.71	74.00	25.29
11490	23.99	AV	H	37.99	8.22	26.02	44.18	38.18	54.00	15.82
17235	33.77	PK	H	42.98	10.82	25.99	61.58	55.58	74.00	18.42
17235	23.09	AV	H	42.98	10.82	25.99	50.90	44.90	54.00	9.10
4195	37.24	PK	H	29.31	5.06	26.67	44.94	38.94	74.00	35.06
4195	26.61	AV	H	29.31	5.06	26.67	34.31	28.31	54.00	25.69
6034	35.40	PK	H	32.93	5.97	26.65	47.65	41.65	74.00	32.35
6034	23.78	AV	H	32.93	5.97	26.65	36.03	30.03	54.00	23.97
280.26	54.1	QP	H	13.90	1.22	27.50	41.72	41.72	46.00	4.28
316.15	53.29	QP	H	14.50	1.19	27.60	41.38	41.38	46.00	4.62
Middle Channel:5785 MHz										
5785	80.40	PK	H	32.64	5.77	0.00	118.81	112.81	N/A	N/A
5785	69.33	AV	H	32.64	5.77	0.00	107.74	101.74	N/A	N/A
5785	73.43	PK	V	32.64	5.77	0.00	111.84	105.84	N/A	N/A
5785	64.08	AV	V	32.64	5.77	0.00	102.49	96.49	N/A	N/A
11570	35.15	PK	H	38.03	8.21	26.00	55.39	49.39	74.00	24.61
11570	22.78	AV	H	38.03	8.21	26.00	43.02	37.02	54.00	16.98
17355	32.55	PK	H	43.53	11.03	26.16	60.95	54.95	74.00	19.05
17355	20.51	AV	H	43.53	11.03	26.16	48.91	42.91	54.00	11.09
4258	37.75	PK	H	29.41	5.10	26.70	45.56	39.56	74.00	34.44
4258	26.28	AV	H	29.41	5.10	26.70	34.09	28.09	54.00	25.91
6245	35.98	PK	H	33.15	6.04	26.60	48.57	42.57	74.00	31.43
6245	24.59	AV	H	33.15	6.04	26.60	37.18	31.18	54.00	22.82
280.26	54.34	QP	H	13.90	1.22	27.50	41.96	41.96	46.00	4.04
316.15	53.47	QP	H	14.50	1.19	27.60	41.56	41.56	46.00	4.44

High Channel:5825 MHz										
5825	79.95	PK	H	32.69	5.81	0.00	118.45	112.45	N/A	N/A
5825	69.63	AV	H	32.69	5.81	0.00	108.13	102.13	N/A	N/A
5825	73.91	PK	V	32.69	5.81	0.00	112.41	106.41	N/A	N/A
5825	63.74	AV	V	32.69	5.81	0.00	102.24	96.24	N/A	N/A
5850	33.58	PK	H	32.72	5.83	0.00	72.13	66.13	122.20	56.07
5855	32.68	PK	H	32.73	5.83	0.00	71.24	65.24	110.80	45.56
5875	26.69	PK	H	32.75	5.85	0.00	65.29	59.29	105.20	45.91
5925	25.65	PK	H	32.81	5.89	0.00	64.35	58.35	68.20	9.85
11650	34.83	PK	H	38.06	8.20	25.98	55.11	49.11	74.00	24.89
11650	23.70	AV	H	38.06	8.20	25.98	43.98	37.98	54.00	16.02
17475	32.41	PK	H	44.09	11.23	26.33	61.40	55.40	74.00	18.60
17475	20.33	AV	H	44.09	11.23	26.33	49.32	43.32	54.00	10.68
4867	36.62	PK	H	30.97	5.09	26.87	45.81	39.81	74.00	34.19
4867	25.55	AV	H	30.97	5.09	26.87	34.74	28.74	54.00	25.26
6187	35.78	PK	H	33.09	6.02	26.61	48.28	42.28	74.00	31.72
6187	24.36	AV	H	33.09	6.02	26.61	36.86	30.86	54.00	23.14
280.26	54.53	QP	H	13.90	1.22	27.50	42.15	42.15	46.00	3.85
316.15	53.64	QP	H	14.50	1.19	27.60	41.73	41.73	46.00	4.27

802.11n ht20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5745 MHz										
5745	78.07	PK	H	32.59	5.74	0.00	116.40	110.40	N/A	N/A
5745	65.60	AV	H	32.59	5.74	0.00	103.93	97.93	N/A	N/A
5745	73.04	PK	V	32.59	5.74	0.00	111.37	105.37	N/A	N/A
5745	60.93	AV	V	32.59	5.74	0.00	99.26	93.26	N/A	N/A
5725	40.66	PK	H	32.57	5.72	0.00	78.95	72.95	122.20	49.25
5720	33.54	PK	H	32.56	5.71	0.00	71.81	65.81	110.80	44.99
5700	26.19	PK	H	32.54	5.70	0.00	64.43	58.43	105.20	46.77
5650	26.46	PK	H	32.48	5.65	0.00	64.59	58.59	68.20	9.61
11490	34.76	PK	H	37.99	8.22	26.02	54.95	48.95	74.00	25.05
11490	23.51	AV	H	37.99	8.22	26.02	43.70	37.70	54.00	16.30
17235	33.13	PK	H	42.98	10.82	25.99	60.94	54.94	74.00	19.06
17235	21.36	AV	H	42.98	10.82	25.99	49.17	43.17	54.00	10.83
3126	42.36	PK	H	24.91	3.62	26.46	44.43	38.43	74.00	35.57
3126	31.57	AV	H	24.91	3.62	26.46	33.64	27.64	54.00	26.36
4587	36.92	PK	H	30.08	5.23	26.86	45.37	39.37	74.00	34.63
4587	25.14	AV	H	30.08	5.23	26.86	33.59	27.59	54.00	26.41
280.26	53.87	QP	H	13.90	1.22	27.50	41.49	41.49	46.00	4.51
316.15	53.15	QP	H	14.50	1.19	27.60	41.24	41.24	46.00	4.76
Middle Channel:5785 MHz										
5785	78.25	PK	H	32.64	5.77	0.00	116.66	110.66	N/A	N/A
5785	66.56	AV	H	32.64	5.77	0.00	104.97	98.97	N/A	N/A
5785	73.47	PK	V	32.64	5.77	0.00	111.88	105.88	N/A	N/A
5785	62.09	AV	V	32.64	5.77	0.00	100.50	94.50	N/A	N/A
11570	34.56	PK	H	38.03	8.21	26.00	54.80	48.80	74.00	25.20
11570	22.97	AV	H	38.03	8.21	26.00	43.21	37.21	54.00	16.79
17355	32.39	PK	H	43.53	11.03	26.16	60.79	54.79	74.00	19.21
17355	20.58	AV	H	43.53	11.03	26.16	48.98	42.98	54.00	11.02
3524	39.47	PK	H	27.10	4.22	26.59	44.20	38.20	74.00	35.80
3524	28.40	AV	H	27.10	4.22	26.59	33.13	27.13	54.00	26.87
6354	36.38	PK	H	33.25	6.08	26.57	49.14	43.14	74.00	30.86
6354	24.64	AV	H	33.25	6.08	26.57	37.40	31.40	54.00	22.60
280.26	54.1	QP	H	13.90	1.22	27.50	41.72	41.72	46.00	4.28
316.15	53.19	QP	H	14.50	1.19	27.60	41.28	41.28	46.00	4.72

High Channel:5825 MHz										
5825	79.11	PK	H	32.69	5.81	0.00	117.61	111.61	N/A	N/A
5825	68.55	AV	H	32.69	5.81	0.00	107.05	101.05	N/A	N/A
5825	67.91	PK	V	32.69	5.81	0.00	106.41	100.41	N/A	N/A
5825	74.07	AV	V	32.69	5.81	0.00	112.57	106.57	N/A	N/A
5850	63.98	PK	H	32.72	5.83	0.00	102.53	96.53	122.20	25.67
5855	32.85	PK	H	32.73	5.83	0.00	71.41	65.41	110.80	45.39
5875	26.71	PK	H	32.75	5.85	0.00	65.31	59.31	105.20	45.89
5925	26.37	PK	H	32.81	5.89	0.00	65.07	59.07	68.20	9.13
11650	34.59	PK	H	38.06	8.20	25.98	54.87	48.87	74.00	25.13
11650	23.95	AV	H	38.06	8.20	25.98	44.23	38.23	54.00	15.77
17475	32.74	PK	H	44.09	11.23	26.33	61.73	55.73	74.00	18.27
17475	19.96	AV	H	44.09	11.23	26.33	48.95	42.95	54.00	11.05
4102	37.42	PK	H	29.16	4.99	26.61	44.96	38.96	74.00	35.04
4102	26.81	AV	H	29.16	4.99	26.61	34.35	28.35	54.00	25.65
6337	36.50	PK	H	33.24	6.07	26.57	49.24	43.24	74.00	30.76
6337	24.01	AV	H	33.24	6.07	26.57	36.75	30.75	54.00	23.25
280.26	53.82	QP	H	13.90	1.22	27.50	41.44	41.44	46.00	4.56
316.15	53.1	QP	H	14.50	1.19	27.60	41.19	41.19	46.00	4.81

802.11ac 20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5745 MHz										
5745	78.67	PK	H	32.59	5.74	0.00	117.00	111.00	N/A	N/A
5745	68.13	AV	H	32.59	5.74	0.00	106.46	100.46	N/A	N/A
5745	73.61	PK	V	32.59	5.74	0.00	111.94	105.94	N/A	N/A
5745	62.92	AV	V	32.59	5.74	0.00	101.25	95.25	N/A	N/A
5725	40.23	PK	H	32.57	5.72	0.00	78.52	72.52	122.20	49.68
5720	34.78	PK	H	32.56	5.71	0.00	73.05	67.05	110.80	43.75
5700	26.68	PK	H	32.54	5.70	0.00	64.92	58.92	105.20	46.28
5650	25.91	PK	H	32.48	5.65	0.00	64.04	58.04	68.20	10.16
11490	34.95	PK	H	37.99	8.22	26.02	55.14	49.14	74.00	24.86
11490	23.18	AV	H	37.99	8.22	26.02	43.37	37.37	54.00	16.63
17235	33.06	PK	H	42.98	10.82	25.99	60.87	54.87	74.00	19.13
17235	21.14	AV	H	42.98	10.82	25.99	48.95	42.95	54.00	11.05
4256	37.34	PK	H	29.41	5.10	26.70	45.15	39.15	74.00	34.85
4256	26.50	AV	H	29.41	5.10	26.70	34.31	28.31	54.00	25.69
6334	35.47	PK	H	33.23	6.07	26.57	48.20	42.20	74.00	31.80
6334	24.45	AV	H	33.23	6.07	26.57	37.18	31.18	54.00	22.82
280.26	53.71	QP	H	13.90	1.22	27.50	41.33	41.33	46.00	4.67
316.15	52.92	QP	H	14.50	1.19	27.60	41.01	41.01	46.00	4.99
Middle Channel:5785 MHz										
5785	79.07	PK	H	32.64	5.77	0.00	117.48	111.48	N/A	N/A
5785	67.79	AV	H	32.64	5.77	0.00	106.20	100.20	N/A	N/A
5785	73.90	PK	V	32.64	5.77	0.00	112.31	106.31	N/A	N/A
5785	63.34	AV	V	32.64	5.77	0.00	101.75	95.75	N/A	N/A
11570	34.62	PK	H	38.03	8.21	26.00	54.86	48.86	74.00	25.14
11570	23.87	AV	H	38.03	8.21	26.00	44.11	38.11	54.00	15.89
17355	32.77	PK	H	43.53	11.03	26.16	61.17	55.17	74.00	18.83
17355	21.09	AV	H	43.53	11.03	26.16	49.49	43.49	54.00	10.51
4125	37.29	PK	H	29.20	5.01	26.63	44.87	38.87	74.00	35.13
4125	26.88	AV	H	29.20	5.01	26.63	34.46	28.46	54.00	25.54
6346	36.02	PK	H	33.25	6.08	26.57	48.78	42.78	74.00	31.22
6346	24.80	AV	H	33.25	6.08	26.57	37.56	31.56	54.00	22.44
280.26	52.88	QP	H	13.90	1.22	27.50	40.50	40.50	46.00	5.50
316.15	51.07	QP	H	14.50	1.19	27.60	39.16	39.16	46.00	6.84

High Channel:5825 MHz										
5825	78.61	PK	H	32.69	5.81	0.00	117.11	111.11	N/A	N/A
5825	68.20	AV	H	32.69	5.81	0.00	106.70	100.70	N/A	N/A
5825	73.77	PK	V	32.69	5.81	0.00	112.27	106.27	N/A	N/A
5825	63.01	AV	V	32.69	5.81	0.00	101.51	95.51	N/A	N/A
5850	34.23	PK	H	32.72	5.83	0.00	72.78	66.78	122.20	55.42
5855	33.85	PK	H	32.73	5.83	0.00	72.41	66.41	110.80	44.39
5875	26.72	PK	H	32.75	5.85	0.00	65.32	59.32	105.20	45.88
5925	26.37	PK	H	32.81	5.89	0.00	65.07	59.07	68.20	9.13
11650	35.11	PK	H	38.06	8.20	25.98	55.39	49.39	74.00	24.61
11650	24.50	AV	H	38.06	8.20	25.98	44.78	38.78	54.00	15.22
17475	31.99	PK	H	44.09	11.23	26.33	60.98	54.98	74.00	19.02
17475	20.52	AV	H	44.09	11.23	26.33	49.51	43.51	54.00	10.49
3458	39.34	PK	H	26.76	4.12	26.57	43.65	37.65	74.00	36.35
3458	27.88	AV	H	26.76	4.12	26.57	32.19	26.19	54.00	27.81
6581	36.34	PK	H	33.55	6.12	26.49	49.52	43.52	74.00	30.48
6581	25.07	AV	H	33.55	6.12	26.49	38.25	32.25	54.00	21.75
280.26	53.12	QP	H	13.90	1.22	27.50	40.74	40.74	46.00	5.26
316.15	51.25	QP	H	14.50	1.19	27.60	39.34	39.34	46.00	6.66

802.11n ht40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5755 MHz										
5755	74.40	PK	H	32.61	5.74	0.00	112.75	106.75	N/A	N/A
5755	64.78	AV	H	32.61	5.74	0.00	103.13	97.13	N/A	N/A
5755	69.56	PK	V	32.61	5.74	0.00	107.91	101.91	N/A	N/A
5755	59.57	AV	V	32.61	5.74	0.00	97.92	91.92	N/A	N/A
5725	34.39	PK	H	32.57	5.72	0.00	72.68	66.68	122.20	55.52
5720	34.51	PK	H	32.56	5.71	0.00	72.78	66.78	110.80	44.02
5700	31.00	PK	H	32.54	5.70	0.00	69.24	63.24	105.20	41.96
5650	25.92	PK	H	32.48	5.65	0.00	64.05	58.05	68.20	10.15
11510	34.13	PK	H	38.00	8.22	26.02	54.33	48.33	74.00	25.67
11510	23.95	AV	H	38.00	8.22	26.02	44.15	38.15	54.00	15.85
17265	32.75	PK	H	43.12	10.88	26.04	60.71	54.71	74.00	19.29
17265	20.66	AV	H	43.12	10.88	26.04	48.62	42.62	54.00	11.38
4005	38.13	PK	H	29.01	4.92	26.55	45.51	39.51	74.00	34.49
4005	27.00	AV	H	29.01	4.92	26.55	34.38	28.38	54.00	25.62
6341	36.05	PK	H	33.24	6.08	26.57	48.80	42.80	74.00	31.20
6341	24.83	AV	H	33.24	6.08	26.57	37.58	31.58	54.00	22.42
280.26	53.31	QP	H	13.90	1.22	27.50	40.93	40.93	46.00	5.07
316.15	51.42	QP	H	14.50	1.19	27.60	39.51	39.51	46.00	6.49
High Channel:5795 MHz										
5795	74.74	PK	H	32.65	5.78	0.00	113.17	107.17	N/A	N/A
5795	64.50	AV	H	32.65	5.78	0.00	102.93	96.93	N/A	N/A
5795	70.41	PK	V	32.65	5.78	0.00	108.84	102.84	N/A	N/A
5795	60.03	AV	V	32.65	5.78	0.00	98.46	92.46	N/A	N/A
5850	28.68	PK	H	32.72	5.83	0.00	67.23	61.23	122.20	60.97
5855	26.91	PK	H	32.73	5.83	0.00	65.47	59.47	110.80	51.33
5875	26.86	PK	H	32.75	5.85	0.00	65.46	59.46	105.20	45.74
5925	25.29	PK	H	32.81	5.89	0.00	63.99	57.99	68.20	10.21
11590	34.31	PK	H	38.04	8.21	25.99	54.57	48.57	74.00	25.43
11590	24.09	AV	H	38.04	8.21	25.99	44.35	38.35	54.00	15.65
17385	32.56	PK	H	43.67	11.08	26.21	61.10	55.10	74.00	18.90
17385	21.11	AV	H	43.67	11.08	26.21	49.65	43.65	54.00	10.35
4258	37.57	PK	H	29.41	5.10	26.70	45.38	39.38	74.00	34.62
4258	26.13	AV	H	29.41	5.10	26.70	33.94	27.94	54.00	26.06
6337	36.14	PK	H	33.24	6.07	26.57	48.88	42.88	74.00	31.12
6337	24.71	AV	H	33.24	6.07	26.57	37.45	31.45	54.00	22.55
280.26	52.65	QP	H	13.90	1.22	27.50	40.27	40.27	46.00	5.73
316.15	50.93	QP	H	14.50	1.19	27.60	39.02	39.02	46.00	6.98

802.11 ac 40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5755 MHz										
5755	74.30	PK	H	32.61	5.74	0.00	112.65	106.65	N/A	N/A
5755	64.14	AV	H	32.61	5.74	0.00	102.49	96.49	N/A	N/A
5755	69.92	PK	V	32.61	5.74	0.00	108.27	102.27	N/A	N/A
5755	59.13	AV	V	32.61	5.74	0.00	97.48	91.48	N/A	N/A
5725	35.10	PK	H	32.57	5.72	0.00	73.39	67.39	122.20	54.81
5720	33.86	PK	H	32.56	5.71	0.00	72.13	66.13	110.80	44.67
5700	29.99	PK	H	32.54	5.70	0.00	68.23	62.23	105.20	42.97
5650	26.28	PK	H	32.48	5.65	0.00	64.41	58.41	68.20	9.79
11510	35.85	PK	H	38.00	8.22	26.02	56.05	50.05	74.00	23.95
11510	24.08	AV	H	38.00	8.22	26.02	44.28	38.28	54.00	15.72
17265	34.10	PK	H	43.12	10.88	26.04	62.06	56.06	74.00	17.94
17265	19.28	AV	H	43.12	10.88	26.04	47.24	41.24	54.00	12.76
4183	39.91	PK	H	29.29	5.05	26.66	47.59	41.59	74.00	32.41
4183	27.01	AV	H	29.29	5.05	26.66	34.69	28.69	54.00	25.31
5816	37.53	PK	H	32.68	5.80	26.64	49.37	43.37	74.00	30.63
5816	24.30	AV	H	32.68	5.80	26.64	36.14	30.14	54.00	23.86
280.26	52.88	QP	H	13.90	1.22	27.50	40.50	40.50	46.00	5.50
316.15	50.97	QP	H	14.50	1.19	27.60	39.06	39.06	46.00	6.94
High Channel:5795 MHz										
5795	73.74	PK	H	32.65	5.78	0.00	112.17	106.17	N/A	N/A
5795	63.03	AV	H	32.65	5.78	0.00	101.46	95.46	N/A	N/A
5795	68.71	PK	V	32.65	5.78	0.00	107.14	101.14	N/A	N/A
5795	57.82	AV	V	32.65	5.78	0.00	96.25	90.25	N/A	N/A
5850	27.68	PK	H	32.72	5.83	0.00	66.23	60.23	122.20	61.97
5855	26.41	PK	H	32.73	5.83	0.00	64.97	58.97	110.80	51.83
5875	26.36	PK	H	32.75	5.85	0.00	64.96	58.96	105.20	46.24
5925	25.79	PK	H	32.81	5.89	0.00	64.49	58.49	68.20	9.71
11590	35.66	PK	H	38.04	8.21	25.99	55.92	49.92	74.00	24.08
11590	23.27	AV	H	38.04	8.21	25.99	43.53	37.53	54.00	16.47
17385	31.18	PK	H	43.67	11.08	26.21	59.72	53.72	74.00	20.28
17385	19.78	AV	H	43.67	11.08	26.21	48.32	42.32	54.00	11.68
4265	38.94	PK	H	29.42	5.11	26.71	46.76	40.76	74.00	33.24
4265	26.52	AV	H	29.42	5.11	26.71	34.34	28.34	54.00	25.66
6218	36.29	PK	H	33.12	6.03	26.60	48.84	42.84	74.00	31.16
6218	25.40	AV	H	33.12	6.03	26.60	37.95	31.95	54.00	22.05
280.26	52.6	QP	H	13.90	1.22	27.50	40.22	40.22	46.00	5.78
316.15	50.88	QP	H	14.50	1.19	27.60	38.97	38.97	46.00	7.03

802.11 ac 80 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
5775 MHz										
5775	70.40	PK	H	32.63	5.76	0.00	108.79	102.79	N/A	N/A
5775	59.59	AV	H	32.63	5.76	0.00	97.98	91.98	N/A	N/A
5775	66.50	PK	V	32.63	5.76	0.00	104.89	98.89	N/A	N/A
5775	56.07	AV	V	32.63	5.76	0.00	94.46	88.46	N/A	N/A
5725	31.96	PK	H	32.57	5.72	0.00	70.25	64.25	122.20	57.95
5720	31.80	PK	H	32.56	5.71	0.00	70.07	64.07	110.80	46.73
5700	30.93	PK	H	32.54	5.70	0.00	69.17	63.17	105.20	42.03
5650	26.85	PK	H	32.48	5.65	0.00	64.98	58.98	68.20	9.22
5850	27.78	PK	H	32.72	5.83	0.00	66.33	60.33	122.20	61.87
5855	26.79	PK	H	32.73	5.83	0.00	65.35	59.35	110.80	51.45
5875	26.31	PK	H	32.75	5.85	0.00	64.91	58.91	105.20	46.29
5925	26.18	PK	H	32.81	5.89	0.00	64.88	58.88	68.20	9.32
11550	34.31	PK	H	38.02	8.21	26.01	54.53	48.53	74.00	25.47
11550	23.56	AV	H	38.02	8.21	26.01	43.78	37.78	54.00	16.22
17325	33.46	PK	H	43.40	10.98	26.12	61.72	55.72	74.00	18.28
17325	20.60	AV	H	43.40	10.98	26.12	48.86	42.86	54.00	11.14
3658	38.62	PK	H	27.63	4.41	26.58	44.08	38.08	74.00	35.92
3658	27.66	AV	H	27.63	4.41	26.58	33.12	27.12	54.00	26.88
280.26	52.49	QP	H	13.90	1.22	27.50	40.11	40.11	46.00	5.89
316.15	50.7	QP	H	14.50	1.19	27.60	38.79	38.79	46.00	7.21

**2TX, With-beamforming:**

**5150-5250MHz**

802.11n ht20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5180 MHz										
5180	82.70	PK	H	31.72	5.21	0.00	119.63	113.63	N/A	N/A
5180	72.28	Ave	H	31.72	5.21	0.00	109.21	103.21	N/A	N/A
5180	69.19	PK	V	31.72	5.21	0.00	106.12	100.12	N/A	N/A
5180	59.99	Ave	V	31.72	5.21	0.00	96.92	90.92	N/A	N/A
5150	36.77	PK	H	31.67	5.18	0.00	73.62	67.62	74	6.38
5150	19.21	Ave	H	31.67	5.18	0.00	56.06	50.06	54	3.94
10360	32.92	PK	H	37.37	7.76	26.37	51.68	45.68	74	28.32
10360	15.65	Ave	H	37.37	7.76	26.37	34.41	28.41	54	25.59
15540	29.29	PK	H	39.41	10.22	25.32	53.6	47.6	74	26.4
15540	17.60	Ave	H	39.41	10.22	25.32	41.91	35.91	54	18.09
280.26	52.87	QP	H	13.90	1.22	27.50	40.49	40.49	46.00	5.51
316.15	51.46	QP	H	14.50	1.19	27.60	39.55	39.55	46.00	6.45
Middle Channel:5200 MHz										
5200	83.29	PK	H	31.76	5.23	0.00	120.28	114.28	N/A	N/A
5200	72.20	Ave	H	31.76	5.23	0.00	109.19	103.19	N/A	N/A
5200	69.52	PK	V	31.76	5.23	0.00	106.51	100.51	N/A	N/A
5200	58.44	Ave	V	31.76	5.23	0.00	95.43	89.43	N/A	N/A
10400	32.11	PK	H	37.38	7.79	26.36	50.92	44.92	74	29.08
10400	15.72	Ave	H	37.38	7.79	26.36	34.53	28.53	54	25.47
15600	30.25	PK	H	39.42	10.22	25.31	54.58	48.58	74	25.42
15600	18.21	Ave	H	39.42	10.22	25.31	42.54	36.54	54	17.46
280.26	52.76	QP	H	13.90	1.22	27.50	40.38	40.38	46.00	5.62
316.15	51.28	QP	H	14.50	1.19	27.60	39.37	39.37	46.00	6.63
High Channel:5240 MHz										
5240	82.63	PK	H	31.83	5.27	0.00	119.73	113.73	N/A	N/A
5240	72.24	Ave	H	31.83	5.27	0.00	109.34	103.34	N/A	N/A
5240	71.25	PK	V	31.83	5.27	0.00	108.35	102.35	N/A	N/A
5240	61.08	Ave	V	31.83	5.27	0.00	98.18	92.18	N/A	N/A
5350	35.30	PK	H	32.03	5.37	0.00	72.7	66.7	74	7.3
5350	19.07	Ave	H	32.03	5.37	0.00	56.47	50.47	54	3.53
10480	33.69	PK	H	37.40	7.84	26.35	52.58	46.58	74	27.42
10480	16.17	Ave	H	37.40	7.84	26.35	35.06	29.06	54	24.94
15960	29.20	PK	H	39.49	10.27	25.28	53.68	47.68	74	26.32
15960	18.43	Ave	H	39.49	10.27	25.28	42.91	36.91	54	17.09
280.26	54.01	QP	H	13.90	1.22	27.50	41.63	41.63	46.00	4.37
316.15	52.36	QP	H	14.50	1.19	27.60	40.45	40.45	46.00	5.55

802.11ac20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5180 MHz										
5180	81.05	PK	H	31.72	5.21	0	117.98	111.98	N/A	N/A
5180	71.26	Ave	H	31.72	5.21	0	108.19	102.19	N/A	N/A
5180	68.54	PK	V	31.72	5.21	0	105.47	99.47	N/A	N/A
5180	58.77	Ave	V	31.72	5.21	0	95.7	89.7	N/A	N/A
5150	35.24	PK	H	31.67	5.18	0	72.09	66.09	74	7.91
5150	19.65	Ave	H	31.67	5.18	0	56.5	50.5	54	3.5
10360	33.62	PK	H	37.37	7.76	26.37	52.38	46.38	74	27.62
10360	16.25	Ave	H	37.37	7.76	26.37	35.01	29.01	54	24.99
15540	30.05	PK	H	39.41	10.22	25.32	54.36	48.36	74	25.64
15540	18.74	Ave	H	39.41	10.22	25.32	43.05	37.05	54	16.95
280.26	51.29	QP	H	13.9	1.22	27.5	38.91	38.91	46	7.09
316.15	52.69	QP	H	14.5	1.19	27.6	40.78	40.78	46	5.22
Middle Channel:5200 MHz										
5200	82.14	PK	H	31.76	5.23	0	119.13	113.13	N/A	N/A
5200	71.06	Ave	H	31.76	5.23	0	108.05	102.05	N/A	N/A
5200	68.26	PK	V	31.76	5.23	0	105.25	99.25	N/A	N/A
5200	57.48	Ave	V	31.76	5.23	0	94.47	88.47	N/A	N/A
10400	32.69	PK	H	37.38	7.79	26.36	51.5	45.5	74	28.5
10400	16.58	Ave	H	37.38	7.79	26.36	35.39	29.39	54	24.61
15600	30.15	PK	H	39.42	10.22	25.31	54.48	48.48	74	25.52
15600	19.88	Ave	H	39.42	10.22	25.31	44.21	38.21	54	15.79
280.26	53.06	QP	H	13.9	1.22	27.5	40.68	40.68	46	5.32
316.15	52.07	QP	H	14.5	1.19	27.6	40.16	40.16	46	5.84
High Channel:5240 MHz										
5240	82.14	PK	H	31.83	5.27	0	119.24	113.24	N/A	N/A
5240	72.05	Ave	H	31.83	5.27	0	109.15	103.15	N/A	N/A
5240	70.29	PK	V	31.83	5.27	0	107.39	101.39	N/A	N/A
5240	60.33	Ave	V	31.83	5.27	0	97.43	91.43	N/A	N/A
5350	35.69	PK	H	32.03	5.37	0	73.09	67.09	74	6.91
5350	20.17	Ave	H	32.03	5.37	0	57.57	51.57	54	2.43
10480	33.26	PK	H	37.4	7.84	26.35	52.15	46.15	74	27.85
10480	17.82	Ave	H	37.4	7.84	26.35	36.71	30.71	54	23.29
15960	30.25	PK	H	39.49	10.27	25.28	54.73	48.73	74	25.27
15960	19.84	Ave	H	39.49	10.27	25.28	44.32	38.32	54	15.68
280.26	53.26	QP	H	13.9	1.22	27.5	40.88	40.88	46	5.12
316.15	51.09	QP	H	14.5	1.19	27.6	39.18	39.18	46	6.82

802.11n ht40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5190 MHz										
5190	82.75	PK	H	31.74	5.22	0.00	119.71	113.71	N/A	N/A
5190	71.49	Ave	H	31.74	5.22	0.00	108.45	102.45	N/A	N/A
5190	68.28	PK	V	31.74	5.22	0.00	105.24	99.24	N/A	N/A
5190	57.30	Ave	V	31.74	5.22	0.00	94.26	88.26	N/A	N/A
5150	31.88	PK	H	31.67	5.18	0.00	68.73	62.73	74	11.27
5150	19.52	Ave	H	31.67	5.18	0.00	56.37	50.37	54	3.63
10380	34.35	PK	H	37.38	7.78	26.37	53.14	47.14	74	26.86
10380	16.64	Ave	H	37.38	7.78	26.37	35.43	29.43	54	24.57
15570	28.02	PK	H	39.41	10.22	25.31	52.34	46.34	74	27.66
15570	17.94	Ave	H	39.41	10.22	25.31	42.26	36.26	54	17.74
280.26	54.25	QP	H	13.90	1.22	27.50	41.87	41.87	46.00	4.13
316.15	52.54	QP	H	14.50	1.19	27.60	40.63	40.63	46.00	5.37
High Channel:5230 MHz										
5230	82.71	PK	H	31.81	5.26	0.00	119.78	113.78	N/A	N/A
5230	72.16	Ave	H	31.81	5.26	0.00	109.23	103.23	N/A	N/A
5230	69.27	PK	V	31.81	5.26	0.00	106.34	100.34	N/A	N/A
5230	59.16	Ave	V	31.81	5.26	0.00	96.23	90.23	N/A	N/A
5350	35.58	PK	H	32.03	5.37	0.00	72.98	66.98	74	7.02
5350	18.59	Ave	H	32.03	5.37	0.00	55.99	49.99	54	4.01
10460	33.83	PK	H	37.39	7.83	26.36	52.69	46.69	74	27.31
10460	15.57	Ave	H	37.39	7.83	26.36	34.43	28.43	54	25.57
15690	30.09	PK	H	39.44	10.24	25.30	54.47	48.47	74	25.53
15690	18.29	Ave	H	39.44	10.24	25.30	42.67	36.67	54	17.33
280.26	54.44	QP	H	13.90	1.22	27.50	42.06	42.06	46.00	3.94
316.15	52.71	QP	H	14.50	1.19	27.60	40.80	40.80	46.00	5.20

802.11ac40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5190 MHz										
5190	81.48	PK	H	31.74	5.22	0	118.44	112.44	N/A	N/A
5190	70.69	Ave	H	31.74	5.22	0	107.65	101.65	N/A	N/A
5190	68.22	PK	V	31.74	5.22	0	105.18	99.18	N/A	N/A
5190	58.01	Ave	V	31.74	5.22	0	94.97	88.97	N/A	N/A
5150	30.59	PK	H	31.67	5.18	0	67.44	61.44	74	12.56
5150	20.56	Ave	H	31.67	5.18	0	57.41	51.41	54	2.59
10380	35.22	PK	H	37.38	7.78	26.37	54.01	48.01	74	25.99
10380	17.89	Ave	H	37.38	7.78	26.37	36.68	30.68	54	23.32
15570	29.05	PK	H	39.41	10.22	25.31	53.37	47.37	74	26.63
15570	18.96	Ave	H	39.41	10.22	25.31	43.28	37.28	54	16.72
280.26	53.26	QP	H	13.9	1.22	27.5	40.88	40.88	46	5.12
316.15	52.08	QP	H	14.5	1.19	27.6	40.17	40.17	46	5.83
High Channel:5230 MHz										
5230	81.29	PK	H	31.81	5.26	0	118.36	112.36	N/A	N/A
5230	71.69	Ave	H	31.81	5.26	0	108.76	102.76	N/A	N/A
5230	68.75	PK	V	31.81	5.26	0	105.82	99.82	N/A	N/A
5230	58.69	Ave	V	31.81	5.26	0	95.76	89.76	N/A	N/A
5350	35.69	PK	H	32.03	5.37	0	73.09	67.09	74	6.91
5350	19.28	Ave	H	32.03	5.37	0	56.68	50.68	54	3.32
10460	33.69	PK	H	37.39	7.83	26.36	52.55	46.55	74	27.45
10460	16.88	Ave	H	37.39	7.83	26.36	35.74	29.74	54	24.26
15690	30.27	PK	H	39.44	10.24	25.3	54.65	48.65	74	25.35
15690	19.85	Ave	H	39.44	10.24	25.3	44.23	38.23	54	15.77
280.26	53.26	QP	H	13.9	1.22	27.5	40.88	40.88	46	5.12
316.15	51.47	QP	H	14.5	1.19	27.6	39.56	39.56	46	6.44

802.11 ac 80 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Middle Channel:5210 MHz										
5210	82.09	PK	H	31.78	5.24	0.00	119.11	113.11	N/A	N/A
5210	70.27	Ave	H	31.78	5.24	0.00	107.29	101.29	N/A	N/A
5210	69.09	PK	V	31.78	5.24	0.00	106.11	100.11	N/A	N/A
5210	57.98	Ave	V	31.78	5.24	0.00	95	89	N/A	N/A
5150	40.97	PK	H	31.67	5.18	0.00	77.82	71.82	74	2.18
5150	21.43	Ave	H	31.67	5.18	0.00	58.28	52.28	54	1.72
5350	32.51	PK	H	32.03	5.37	0.00	69.91	63.91	74	10.09
5350	19.39	Ave	H	32.03	5.37	0.00	56.79	50.79	54	3.21
10420	35.01	PK	H	37.38	7.80	26.36	53.83	47.83	74	26.17
10420	15.75	Ave	H	37.38	7.80	26.36	34.57	28.57	54	25.43
15630	29.66	PK	H	39.43	10.23	25.31	54.01	48.01	74	25.99
15630	17.56	Ave	H	39.43	10.23	25.31	41.91	35.91	54	18.09
280.26	53.78	QP	H	13.90	1.22	27.50	41.40	41.40	46.00	4.60
316.15	52.22	QP	H	14.50	1.19	27.60	40.31	40.31	46.00	5.69

**5250-5350MHz**

802.11n ht20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5260 MHz										
5260	83.36	PK	H	31.87	5.28	0.00	120.51	114.51	N/A	N/A
5260	73.31	Ave	H	31.87	5.28	0.00	110.46	104.46	N/A	N/A
5260	70.25	PK	V	31.87	5.28	0.00	107.4	101.4	N/A	N/A
5260	60.17	Ave	V	31.87	5.28	0.00	97.32	91.32	N/A	N/A
5150	30.57	PK	H	31.67	5.18	0.00	67.42	61.42	74	12.58
5150	18.08	Ave	H	31.67	5.18	0.00	54.93	48.93	54	5.07
10520	35.81	PK	H	37.41	7.86	26.34	54.74	48.74	74	25.26
10520	22.90	Ave	H	37.41	7.86	26.34	41.83	35.83	54	18.17
15780	31.74	PK	H	39.46	10.25	25.30	56.15	50.15	74	23.85
15780	18.14	Ave	H	39.46	10.25	25.30	42.55	36.55	54	17.45
280.26	54.01	QP	H	13.90	1.22	27.50	41.63	41.63	46.00	4.37
316.15	52.26	QP	H	14.50	1.19	27.60	40.35	40.35	46.00	5.65
Middle Channel:5280 MHz										
5280	83.77	PK	H	31.90	5.30	0.00	120.97	114.97	N/A	N/A
5280	73.23	Ave	H	31.90	5.30	0.00	110.43	104.43	N/A	N/A
5280	70.01	PK	V	31.90	5.30	0.00	107.21	101.21	N/A	N/A
5280	56.89	Ave	V	31.90	5.30	0.00	94.09	88.09	N/A	N/A
11160	36.21	PK	H	37.73	8.21	26.05	56.1	50.1	74	23.9
11160	24.88	Ave	H	37.73	8.21	26.05	44.77	38.77	54	15.23
15840	30.71	PK	H	39.47	10.26	25.29	55.15	49.15	74	24.85
15840	18.46	Ave	H	39.47	10.26	25.29	42.9	36.9	54	17.1
280.26	53.73	QP	H	13.90	1.22	27.50	41.35	41.35	46.00	4.65
316.15	52.17	QP	H	14.50	1.19	27.60	40.26	40.26	46.00	5.74
High Channel:5320 MHz										
5320	83.11	PK	H	31.98	5.34	0.00	120.43	114.43	N/A	N/A
5320	73.33	Ave	H	31.98	5.34	0.00	110.65	104.65	N/A	N/A
5320	69.41	PK	V	31.98	5.34	0.00	106.73	100.73	N/A	N/A
5320	59.19	Ave	V	31.98	5.34	0.00	96.51	90.51	N/A	N/A
5350	32.37	PK	H	32.03	5.37	0.00	69.77	63.77	74	10.23
5350	18.84	Ave	H	32.03	5.37	0.00	56.24	50.24	54	3.76
10640	36.38	PK	H	37.46	7.95	26.27	55.52	49.52	74	24.48
10640	23.24	Ave	H	37.46	7.95	26.27	42.38	36.38	54	17.62
15960	30.94	PK	H	39.49	10.27	25.28	55.42	49.42	74	24.58
15960	18.25	Ave	H	39.49	10.27	25.28	42.73	36.73	54	17.27
280.26	53.62	QP	H	13.90	1.22	27.50	41.24	41.24	46.00	4.76
316.15	51.99	QP	H	14.50	1.19	27.60	40.08	40.08	46.00	5.92

802.11ac20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5260 MHz										
5260	82.97	PK	H	31.87	5.28	0	120.12	114.12	N/A	N/A
5260	72.69	Ave	H	31.87	5.28	0	109.84	103.84	N/A	N/A
5260	70.11	PK	V	31.87	5.28	0	107.26	101.26	N/A	N/A
5260	60.36	Ave	V	31.87	5.28	0	97.51	91.51	N/A	N/A
5150	31.25	PK	H	31.67	5.18	0	68.1	62.1	74	11.9
5150	19.89	Ave	H	31.67	5.18	0	56.74	50.74	54	3.26
10520	36.55	PK	H	37.41	7.86	26.34	55.48	49.48	74	24.52
10520	23.69	Ave	H	37.41	7.86	26.34	42.62	36.62	54	17.38
15780	32.58	PK	H	39.46	10.25	25.3	56.99	50.99	74	23.01
15780	19.85	Ave	H	39.46	10.25	25.3	44.26	38.26	54	15.74
280.26	53.69	QP	H	13.9	1.22	27.5	41.31	41.31	46	4.69
316.15	53.67	QP	H	14.5	1.19	27.6	41.76	41.76	46	4.24
Middle Channel:5280 MHz										
5280	82.78	PK	H	31.9	5.3	0	119.98	113.98	N/A	N/A
5280	72.65	Ave	H	31.9	5.3	0	109.85	103.85	N/A	N/A
5280	70.15	PK	V	31.9	5.3	0	107.35	101.35	N/A	N/A
5280	57.69	Ave	V	31.9	5.3	0	94.89	88.89	N/A	N/A
11160	36.58	PK	H	37.73	8.21	26.05	56.47	50.47	74	23.53
11160	24.59	Ave	H	37.73	8.21	26.05	44.48	38.48	54	15.52
15840	31.22	PK	H	39.47	10.26	25.29	55.66	49.66	74	24.34
15840	19.99	Ave	H	39.47	10.26	25.29	44.43	38.43	54	15.57
280.26	52.69	QP	H	13.9	1.22	27.5	40.31	40.31	46	5.69
316.15	53.24	QP	H	14.5	1.19	27.6	41.33	41.33	46	4.67
High Channel:5320 MHz										
5320	82.69	PK	H	31.98	5.34	0	120.01	114.01	N/A	N/A
5320	72.64	Ave	H	31.98	5.34	0	109.96	103.96	N/A	N/A
5320	68.77	PK	V	31.98	5.34	0	106.09	100.09	N/A	N/A
5320	59.25	Ave	V	31.98	5.34	0	96.57	90.57	N/A	N/A
5350	33.64	PK	H	32.03	5.37	0	71.04	65.04	74	8.96
5350	19.82	Ave	H	32.03	5.37	0	57.22	51.22	54	2.78
10640	37.28	PK	H	37.46	7.95	26.27	56.42	50.42	74	23.58
10640	24.03	Ave	H	37.46	7.95	26.27	43.17	37.17	54	16.83
15960	30.69	PK	H	39.49	10.27	25.28	55.17	49.17	74	24.83
15960	19.28	Ave	H	39.49	10.27	25.28	43.76	37.76	54	16.24
280.26	52.47	QP	H	13.9	1.22	27.5	40.09	40.09	46	5.91
316.15	52.69	QP	H	14.5	1.19	27.6	40.78	40.78	46	5.22

802.11n ht40 mode

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5270 MHz										
5270	83.07	PK	H	31.89	5.29	0.00	120.25	114.25	N/A	N/A
5270	72.36	Ave	H	31.89	5.29	0.00	109.54	103.54	N/A	N/A
5270	69.24	PK	V	31.89	5.29	0.00	106.42	100.42	N/A	N/A
5270	58.13	Ave	V	31.89	5.29	0.00	95.31	89.31	N/A	N/A
5150	29.47	PK	H	31.67	5.18	0.00	66.32	60.32	74	13.68
5150	19.21	Ave	H	31.67	5.18	0.00	56.06	50.06	54	3.94
10540	35.81	PK	H	37.42	7.88	26.33	54.78	48.78	74	25.22
10540	21.84	Ave	H	37.42	7.88	26.33	40.81	34.81	54	19.19
15810	31.68	PK	H	39.46	10.25	25.30	56.09	50.09	74	23.91
15810	18.55	Ave	H	39.46	10.25	25.30	42.96	36.96	54	17.04
280.26	53.85	QP	H	13.90	1.22	27.50	41.47	41.47	46.00	4.53
316.15	53.64	QP	H	14.50	1.19	27.60	41.73	41.73	46.00	4.27
High Channel:5310 MHz										
5310	83.21	PK	H	31.96	5.33	0.00	120.5	114.5	N/A	N/A
5310	72.14	Ave	H	31.96	5.33	0.00	109.43	103.43	N/A	N/A
5310	69.20	PK	V	31.96	5.33	0.00	106.49	100.49	N/A	N/A
5310	58.18	Ave	V	31.96	5.33	0.00	95.47	89.47	N/A	N/A
5350	37.18	PK	H	32.03	5.37	0.00	74.58	68.58	74	5.42
5350	20.58	Ave	H	32.03	5.37	0.00	57.98	51.98	54	2.02
10620	36.10	PK	H	37.45	7.93	26.28	55.2	49.2	74	24.8
10620	23.01	Ave	H	37.45	7.93	26.28	42.11	36.11	54	17.89
15930	31.52	PK	H	39.49	10.27	25.29	55.99	49.99	74	24.01
15930	18.48	Ave	H	39.49	10.27	25.29	42.95	36.95	54	17.05
280.26	54.09	QP	H	13.90	1.22	27.50	41.71	41.71	46.00	4.29
316.15	53.82	QP	H	14.50	1.19	27.60	41.91	41.91	46.00	4.09

802.11ac40 mode

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5270 MHz										
5270	82.95	PK	H	31.89	5.29	0	120.13	114.13	N/A	N/A
5270	72.18	Ave	H	31.89	5.29	0	109.36	103.36	N/A	N/A
5270	70.26	PK	V	31.89	5.29	0	107.44	101.44	N/A	N/A
5270	59.15	Ave	V	31.89	5.29	0	96.33	90.33	N/A	N/A
5150	30.28	PK	H	31.67	5.18	0	67.13	61.13	74	12.87
5150	19.96	Ave	H	31.67	5.18	0	56.81	50.81	54	3.19
10540	35.66	PK	H	37.42	7.88	26.33	54.63	48.63	74	25.37
10540	22.18	Ave	H	37.42	7.88	26.33	41.15	35.15	54	18.85
15810	33.06	PK	H	39.46	10.25	25.3	57.47	51.47	74	22.53
15810	19.88	Ave	H	39.46	10.25	25.3	44.29	38.29	54	15.71
280.26	53.69	QP	H	13.9	1.22	27.5	41.31	41.31	46	4.69
316.15	53.17	QP	H	14.5	1.19	27.6	41.26	41.26	46	4.74
High Channel:5310 MHz										
5310	83.64	PK	H	31.96	5.33	0	120.93	114.93	N/A	N/A
5310	73.22	Ave	H	31.96	5.33	0	110.51	104.51	N/A	N/A
5310	68.25	PK	V	31.96	5.33	0	105.54	99.54	N/A	N/A
5310	57.85	Ave	V	31.96	5.33	0	95.14	89.14	N/A	N/A
5350	36.28	PK	H	32.03	5.37	0	73.68	67.68	74	6.32
5350	21.43	Ave	H	32.03	5.37	0	58.83	52.83	54	1.17
10620	37.29	PK	H	37.45	7.93	26.28	56.39	50.39	74	23.61
10620	24.58	Ave	H	37.45	7.93	26.28	43.68	37.68	54	16.32
15930	32.11	PK	H	39.49	10.27	25.29	56.58	50.58	74	23.42
15930	19.87	Ave	H	39.49	10.27	25.29	44.34	38.34	54	15.66
280.26	54.26	QP	H	13.9	1.22	27.5	41.88	41.88	46	4.12
316.15	54.66	QP	H	14.5	1.19	27.6	42.75	42.75	46	3.25

802.11 ac 80 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Middle Channel:5290 MHz										
5290	81.25	PK	H	31.92	5.31	0.00	118.48	112.48	N/A	N/A
5290	69.93	Ave	H	31.92	5.31	0.00	107.16	101.16	N/A	N/A
5290	68.39	PK	V	31.92	5.31	0.00	105.62	99.62	N/A	N/A
5290	57.84	Ave	V	31.92	5.31	0.00	95.07	89.07	N/A	N/A
5150	31.77	PK	H	31.67	5.18	0.00	68.62	62.62	74	11.38
5150	19.15	Ave	H	31.67	5.18	0.00	56	50	54	4
5350	31.51	PK	H	32.03	5.37	0.00	68.91	62.91	74	11.09
5350	18.27	Ave	H	32.03	5.37	0.00	55.67	49.67	54	4.33
10580	25.77	PK	H	37.43	7.91	26.30	44.81	38.81	74	35.19
10580	13.03	Ave	H	37.43	7.91	26.30	32.07	26.07	54	27.93
15870	31.52	PK	H	39.47	10.26	25.29	55.96	49.96	74	24.04
15870	18.18	Ave	H	39.47	10.26	25.29	42.62	36.62	54	17.38
280.26	54.28	QP	H	13.90	1.22	27.50	41.90	41.90	46.00	4.10
316.15	53.99	QP	H	14.50	1.19	27.60	42.08	42.08	46.00	3.92

**5470-5725MHz**  
802.11n ht20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5500 MHz										
5500	83.87	PK	H	32.30	5.52	0.00	121.69	115.69	N/A	N/A
5500	73.79	Ave	H	32.30	5.52	0.00	111.61	105.61	N/A	N/A
5500	68.53	PK	V	32.30	5.52	0.00	106.35	100.35	N/A	N/A
5500	58.30	Ave	V	32.30	5.52	0.00	96.12	90.12	N/A	N/A
5470	32.09	PK	H	32.25	5.49	0.00	69.83	63.83	74	10.17
5470	19.79	Ave	H	32.25	5.49	0.00	57.53	51.53	54	2.47
11000	34.37	PK	H	37.60	8.20	26.06	54.11	48.11	74	25.89
11000	23.65	Ave	H	37.60	8.20	26.06	43.39	37.39	54	16.61
16500	26.06	PK	H	40.30	10.44	25.48	51.32	45.32	74	28.68
16500	15.47	Ave	H	40.30	10.44	25.48	40.73	34.73	54	19.27
280.26	53.62	QP	H	13.90	1.22	27.50	41.24	41.24	46.00	4.76
316.15	53.5	QP	H	14.50	1.19	27.60	41.59	41.59	46.00	4.41
Middle Channel:5580 MHz										
5580	83.34	PK	H	32.40	5.59	0.00	121.33	115.33	N/A	N/A
5580	73.13	Ave	H	32.40	5.59	0.00	111.12	105.12	N/A	N/A
5580	68.19	PK	V	32.40	5.59	0.00	106.18	100.18	N/A	N/A
5580	57.84	Ave	V	32.40	5.59	0.00	95.83	89.83	N/A	N/A
11160	34.06	PK	H	37.73	8.21	26.05	53.95	47.95	74	26.05
11160	25.59	Ave	H	37.73	8.21	26.05	45.48	39.48	54	14.52
16740	26.47	PK	H	41.07	10.44	25.57	52.41	46.41	74	27.59
16740	16.00	Ave	H	41.07	10.44	25.57	41.94	35.94	54	18.06
280.26	53.85	QP	H	13.90	1.22	27.50	41.47	41.47	46.00	4.53
316.15	53.54	QP	H	14.50	1.19	27.60	41.63	41.63	46.00	4.37
High Channel:5700 MHz										
5700	83.33	PK	H	32.54	5.70	0.00	121.57	115.57	N/A	N/A
5700	73.59	Ave	H	32.54	5.70	0.00	111.83	105.83	N/A	N/A
5700	69.22	PK	V	32.54	5.70	0.00	107.46	101.46	N/A	N/A
5700	58.58	Ave	V	32.54	5.70	0.00	96.82	90.82	N/A	N/A
5725	34.63	PK	H	32.57	5.72	0.00	72.92	66.92	74	7.08
5725	20.52	Ave	H	32.57	5.72	0.00	58.81	52.81	54	1.19
11400	32.03	PK	H	37.92	8.22	26.03	52.14	46.14	74	27.86
11400	21.05	Ave	H	37.92	8.22	26.03	41.16	35.16	54	18.84
17100	24.71	PK	H	42.36	10.60	25.80	51.87	45.87	74	28.13
17100	15.72	Ave	H	42.36	10.60	25.80	42.88	36.88	54	17.12
280.26	53.57	QP	H	13.90	1.22	27.50	41.19	41.19	46.00	4.81
316.15	53.45	QP	H	14.50	1.19	27.60	41.54	41.54	46.00	4.46
Crossed Channel:5720 MHz										
5720	84.11	PK	H	32.56	5.71	0.00	122.38	116.38	N/A	N/A
5720	73.87	Ave	H	32.56	5.71	0.00	112.14	106.14	N/A	N/A
5720	70.88	PK	V	32.56	5.71	0.00	109.15	103.15	N/A	N/A
5720	61.09	Ave	V	32.56	5.71	0.00	99.36	93.36	N/A	N/A
11440	31.51	PK	H	37.95	8.22	26.02	51.66	45.66	74	28.34
11440	20.96	Ave	H	37.95	8.22	26.02	41.11	35.11	54	18.89
17160	23.58	PK	H	42.64	10.70	25.89	51.03	45.03	74	28.97
17160	15.35	Ave	H	42.64	10.70	25.89	42.8	36.8	54	17.2
280.26	53.46	QP	H	13.90	1.22	27.50	41.08	41.08	46.00	4.92
316.15	53.27	QP	H	14.50	1.19	27.60	41.36	41.36	46.00	4.64

802.11ac20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5500 MHz										
5500	83.02	PK	H	32.3	5.52	0	120.84	114.84	N/A	N/A
5500	72.56	Ave	H	32.3	5.52	0	110.38	104.38	N/A	N/A
5500	67.58	PK	V	32.3	5.52	0	105.4	99.4	N/A	N/A
5500	57.25	Ave	V	32.3	5.52	0	95.07	89.07	N/A	N/A
5470	31.24	PK	H	32.25	5.49	0	68.98	62.98	74	11.02
5470	20.18	Ave	H	32.25	5.49	0	57.92	51.92	54	2.08
11000	34.56	PK	H	37.6	8.2	26.06	54.3	48.3	74	25.7
11000	24.31	Ave	H	37.6	8.2	26.06	44.05	38.05	54	15.95
16500	29.6	PK	H	40.3	10.44	25.48	54.86	48.86	74	25.14
16500	18.5	Ave	H	40.3	10.44	25.48	43.76	37.76	54	16.24
280.26	54.26	QP	H	13.9	1.22	27.5	41.88	41.88	46	4.12
316.15	53.99	QP	H	14.5	1.19	27.6	42.08	42.08	46	3.92
Middle Channel:5580 MHz										
5580	82.58	PK	H	32.4	5.59	0	120.57	114.57	N/A	N/A
5580	72.69	Ave	H	32.4	5.59	0	110.68	104.68	N/A	N/A
5580	67.25	PK	V	32.4	5.59	0	105.24	99.24	N/A	N/A
5580	57.63	Ave	V	32.4	5.59	0	95.62	89.62	N/A	N/A
11160	34.22	PK	H	37.73	8.21	26.05	54.11	48.11	74	25.89
11160	24.06	Ave	H	37.73	8.21	26.05	43.95	37.95	54	16.05
16740	29.55	PK	H	41.07	10.44	25.57	55.49	49.49	74	24.51
16740	17.59	Ave	H	41.07	10.44	25.57	43.53	37.53	54	16.47
280.26	52.29	QP	H	13.9	1.22	27.5	39.91	39.91	46	6.09
316.15	52.07	QP	H	14.5	1.19	27.6	40.16	40.16	46	5.84
High Channel:5700 MHz										
5700	82.69	PK	H	32.54	5.7	0	120.93	114.93	N/A	N/A
5700	72.48	Ave	H	32.54	5.7	0	110.72	104.72	N/A	N/A
5700	68.77	PK	V	32.54	5.7	0	107.01	101.01	N/A	N/A
5700	58.25	Ave	V	32.54	5.7	0	96.49	90.49	N/A	N/A
5725	34.63	PK	H	32.57	5.72	0	72.92	66.92	74	7.08
5725	18.36	Ave	H	32.57	5.72	0	56.65	50.65	54	3.35
11400	32.66	PK	H	37.92	8.22	26.03	52.77	46.77	74	27.23
11400	22.45	Ave	H	37.92	8.22	26.03	42.56	36.56	54	17.44
17100	25.36	PK	H	42.36	10.6	25.8	52.52	46.52	74	27.48
17100	18.58	Ave	H	42.36	10.6	25.8	45.74	39.74	54	14.26
280.26	53.64	QP	H	13.9	1.22	27.5	41.26	41.26	46	4.74
316.15	53.47	QP	H	14.5	1.19	27.6	41.56	41.56	46	4.44
Crossed Channel:5720 MHz										
5720	82.36	PK	H	32.56	5.71	0	120.63	114.63	N/A	N/A
5720	72.15	Ave	H	32.56	5.71	0	110.42	104.42	N/A	N/A
5720	70.26	PK	V	32.56	5.71	0	108.53	102.53	N/A	N/A
5720	61.07	Ave	V	32.56	5.71	0	99.34	93.34	N/A	N/A
11440	30.27	PK	H	37.95	8.22	26.02	50.42	44.42	74	29.58
11440	20.39	Ave	H	37.95	8.22	26.02	40.54	34.54	54	19.46
17160	26.52	PK	H	42.64	10.7	25.89	53.97	47.97	74	26.03
17160	18.28	Ave	H	42.64	10.7	25.89	45.73	39.73	54	14.27
280.26	52.04	QP	H	13.9	1.22	27.5	39.66	39.66	46	6.34
316.15	52.09	QP	H	14.5	1.19	27.6	40.18	40.18	46	5.82

802.11n ht40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5510 MHz										
5510	82.96	PK	H	32.31	5.53	0.00	120.8	114.8	N/A	N/A
5510	72.07	Ave	H	32.31	5.53	0.00	109.91	103.91	N/A	N/A
5510	67.14	PK	V	32.31	5.53	0.00	104.98	98.98	N/A	N/A
5510	57.03	Ave	V	32.31	5.53	0.00	94.87	88.87	N/A	N/A
5470	39.98	PK	H	32.25	5.49	0.00	77.72	71.72	74	2.28
5470	18.80	Ave	H	32.25	5.49	0.00	56.54	50.54	54	3.46
11020	33.17	PK	H	37.62	8.20	26.06	52.93	46.93	74	27.07
11020	21.84	Ave	H	37.62	8.20	26.06	41.6	35.6	54	18.4
16530	31.35	PK	H	40.40	10.44	25.49	56.7	50.7	74	23.3
16530	18.01	Ave	H	40.40	10.44	25.49	43.36	37.36	54	16.64
280.26	52.68	QP	H	13.90	1.22	27.50	40.30	40.30	46.00	5.70
316.15	53.44	QP	H	14.50	1.19	27.60	41.53	41.53	46.00	4.47
Middle Channel:5590 MHz										
5590	82.82	PK	H	32.41	5.60	0.00	120.83	114.83	N/A	N/A
5590	71.00	Ave	H	32.41	5.60	0.00	109.01	103.01	N/A	N/A
5590	67.70	PK	V	32.41	5.60	0.00	105.71	99.71	N/A	N/A
5590	57.42	Ave	V	32.41	5.60	0.00	95.43	89.43	N/A	N/A
11180	32.08	PK	H	37.74	8.21	26.05	51.98	45.98	74	28.02
11180	20.73	Ave	H	37.74	8.21	26.05	40.63	34.63	54	19.37
16770	29.59	PK	H	41.16	10.43	25.58	55.6	49.6	74	24.4
16770	17.57	Ave	H	41.16	10.43	25.58	43.58	37.58	54	16.42
280.26	52.92	QP	H	13.90	1.22	27.50	40.54	40.54	46.00	5.46
316.15	53.62	QP	H	14.50	1.19	27.60	41.71	41.71	46.00	4.29
High Channel:5670 MHz										
5670	82.92	PK	H	32.50	5.67	0.00	121.09	115.09	N/A	N/A
5670	71.16	Ave	H	32.50	5.67	0.00	109.33	103.33	N/A	N/A
5670	68.02	PK	V	32.50	5.67	0.00	106.19	100.19	N/A	N/A
5670	57.83	Ave	V	32.50	5.67	0.00	96	90	N/A	N/A
5725	32.27	PK	H	32.57	5.72	0.00	70.56	64.56	74	9.44
5725	18.44	Ave	H	32.57	5.72	0.00	56.73	50.73	54	3.27
11340	32.10	PK	H	37.87	8.21	26.03	52.15	46.15	74	27.85
11340	21.61	Ave	H	37.87	8.21	26.03	41.66	35.66	54	18.34
17010	31.01	PK	H	41.95	10.45	25.67	57.74	51.74	74	22.26
17010	17.76	Ave	H	41.95	10.45	25.67	44.49	38.49	54	15.51
280.26	53.11	QP	H	13.90	1.22	27.50	40.73	40.73	46.00	5.27
316.15	53.79	QP	H	14.50	1.19	27.60	41.88	41.88	46.00	4.12
Crossed Channel:5710 MHz										
5710	82.87	PK	H	32.55	5.70	0.00	121.12	115.12	N/A	N/A
5710	73.01	Ave	H	32.55	5.70	0.00	111.26	105.26	N/A	N/A
5710	66.88	PK	V	32.55	5.70	0.00	105.13	99.13	N/A	N/A
5710	57.22	Ave	V	32.55	5.70	0.00	95.47	89.47	N/A	N/A
11420	32.76	PK	H	37.94	8.22	26.03	52.89	46.89	74	27.11
11420	21.85	Ave	H	37.94	8.22	26.03	41.98	35.98	54	18.02
17130	30.42	PK	H	42.50	10.65	25.84	57.73	51.73	74	22.27
17130	16.91	Ave	H	42.50	10.65	25.84	44.22	38.22	54	15.78
280.26	52.45	QP	H	13.90	1.22	27.50	40.07	40.07	46.00	5.93
316.15	53.3	QP	H	14.50	1.19	27.60	41.39	41.39	46.00	4.61

802.11ac40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5510 MHz										
5510	81.25	PK	H	32.31	5.53	0	119.09	113.09	N/A	N/A
5510	71.26	Ave	H	32.31	5.53	0	109.1	103.1	N/A	N/A
5510	67.25	PK	V	32.31	5.53	0	105.09	99.09	N/A	N/A
5510	57.26	Ave	V	32.31	5.53	0	95.1	89.1	N/A	N/A
5470	34.36	PK	H	32.25	5.49	0	72.1	66.1	74	7.9
5470	19.83	Ave	H	32.25	5.49	0	57.57	51.57	54	2.43
11020	35.47	PK	H	37.62	8.2	26.06	55.23	49.23	74	24.77
11020	20.16	Ave	H	37.62	8.2	26.06	39.92	33.92	54	20.08
16530	31.26	PK	H	40.4	10.44	25.49	56.61	50.61	74	23.39
16530	19.69	Ave	H	40.4	10.44	25.49	45.04	39.04	54	14.96
280.26	53.21	QP	H	13.9	1.22	27.5	40.83	40.83	46	5.17
316.15	52.66	QP	H	14.5	1.19	27.6	40.75	40.75	46	5.25
Middle Channel:5590 MHz										
5590	81.25	PK	H	32.41	5.6	0	119.26	113.26	N/A	N/A
5590	70.36	Ave	H	32.41	5.6	0	108.37	102.37	N/A	N/A
5590	65.58	PK	V	32.41	5.6	0	103.59	97.59	N/A	N/A
5590	56.36	Ave	V	32.41	5.6	0	94.37	88.37	N/A	N/A
11180	31.29	PK	H	37.74	8.21	26.05	51.19	45.19	74	28.81
11180	20.99	Ave	H	37.74	8.21	26.05	40.89	34.89	54	19.11
16770	30.29	PK	H	41.16	10.43	25.58	56.3	50.3	74	23.7
16770	19.96	Ave	H	41.16	10.43	25.58	45.97	39.97	54	14.03
280.26	53.69	QP	H	13.9	1.22	27.5	41.31	41.31	46	4.69
316.15	52.17	QP	H	14.5	1.19	27.6	40.26	40.26	46	5.74
High Channel:5670 MHz										
5670	81.57	PK	H	32.5	5.67	0	119.74	113.74	N/A	N/A
5670	70.26	Ave	H	32.5	5.67	0	108.43	102.43	N/A	N/A
5670	68.22	PK	V	32.5	5.67	0	106.39	100.39	N/A	N/A
5670	56.69	Ave	V	32.5	5.67	0	94.86	88.86	N/A	N/A
5725	31.29	PK	H	32.57	5.72	0	69.58	63.58	74	10.42
5725	19.69	Ave	H	32.57	5.72	0	57.98	51.98	54	2.02
11340	33.04	PK	H	37.87	8.21	26.03	53.09	47.09	74	26.91
11340	21.06	Ave	H	37.87	8.21	26.03	41.11	35.11	54	18.89
17010	33.69	PK	H	41.95	10.45	25.67	60.42	54.42	74	19.58
17010	18.74	Ave	H	41.95	10.45	25.67	45.47	39.47	54	14.53
280.26	53.45	QP	H	13.9	1.22	27.5	41.07	41.07	46	4.93
316.15	54.26	QP	H	14.5	1.19	27.6	42.35	42.35	46	3.65
Crossed Channel:5710 MHz										
5710	83.33	PK	H	32.55	5.7	0	121.58	115.58	N/A	N/A
5710	72.69	Ave	H	32.55	5.7	0	110.94	104.94	N/A	N/A
5710	67.58	PK	V	32.55	5.7	0	105.83	99.83	N/A	N/A
5710	56.21	Ave	V	32.55	5.7	0	94.46	88.46	N/A	N/A
11420	33.21	PK	H	37.94	8.22	26.03	53.34	47.34	74	26.66
11420	20.47	Ave	H	37.94	8.22	26.03	40.6	34.6	54	19.4
17130	27.33	PK	H	42.5	10.65	25.84	54.64	48.64	74	25.36
17130	18.99	Ave	H	42.5	10.65	25.84	46.3	40.3	54	13.7
280.26	53.02	QP	H	13.9	1.22	27.5	40.64	40.64	46	5.36
316.15	52.64	QP	H	14.5	1.19	27.6	40.73	40.73	46	5.27

802.11 ac 80 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5530 MHz										
5530	80.86	PK	H	32.34	5.55	0.00	118.75	112.75	N/A	N/A
5530	67.07	Ave	H	32.34	5.55	0.00	104.96	98.96	N/A	N/A
5530	67.11	PK	V	32.34	5.55	0.00	105	99	N/A	N/A
5530	57.00	Ave	V	32.34	5.55	0.00	94.89	88.89	N/A	N/A
5470	37.72	PK	H	32.25	5.49	0.00	75.46	69.46	74	4.54
5470	19.33	Ave	H	32.25	5.49	0.00	57.07	51.07	54	2.93
11060	34.80	PK	H	37.65	8.20	26.06	54.59	48.59	74	25.41
11060	21.38	Ave	H	37.65	8.20	26.06	41.17	35.17	54	18.83
16590	31.70	PK	H	40.59	10.44	25.51	57.22	51.22	74	22.78
16590	18.27	Ave	H	40.59	10.44	25.51	43.79	37.79	54	16.21
280.26	52.68	QP	H	13.90	1.22	27.50	40.30	40.30	46.00	5.70
316.15	53.34	QP	H	14.50	1.19	27.60	41.43	41.43	46.00	4.57
High Channel:5610 MHz										
5610	81.10	PK	H	32.43	5.62	0.00	119.15	113.15	N/A	N/A
5610	69.23	Ave	H	32.43	5.62	0.00	107.28	101.28	N/A	N/A
5610	66.01	PK	V	32.43	5.62	0.00	104.06	98.06	N/A	N/A
5610	56.96	Ave	V	32.43	5.62	0.00	95.01	89.01	N/A	N/A
5725	32.02	PK	H	32.57	5.72	0.00	70.31	64.31	74	9.69
5725	18.26	Ave	V	32.57	5.72	0.00	56.55	50.55	54	3.45
11220	34.38	PK	H	37.78	8.21	26.04	54.33	48.33	74	25.67
11220	21.45	Ave	H	37.78	8.21	26.04	41.4	35.4	54	18.6
16830	31.23	PK	H	41.36	10.43	25.60	57.42	51.42	74	22.58
16830	17.10	Ave	H	41.36	10.43	25.60	43.29	37.29	54	16.71
280.26	52.4	QP	H	13.90	1.22	27.50	40.02	40.02	46.00	5.98
316.15	53.25	QP	H	14.50	1.19	27.60	41.34	41.34	46.00	4.66
Crossed Channel::5690 MHz										
5690	82.03	PK	H	32.53	5.69	0.00	120.25	114.25	N/A	N/A
5690	70.23	Ave	H	32.53	5.69	0.00	108.45	102.45	N/A	N/A
5690	67.96	PK	V	32.53	5.69	0.00	106.18	100.18	N/A	N/A
5690	56.89	Ave	V	32.53	5.69	0.00	95.11	89.11	N/A	N/A
11380	33.96	PK	H	37.90	8.22	26.03	54.05	48.05	74	25.95
11380	21.89	Ave	H	37.90	8.22	26.03	41.98	35.98	54	18.02
17070	29.78	PK	H	42.22	10.55	25.76	56.79	50.79	74	23.21
17070	26.60	Ave	H	42.22	10.55	25.76	53.61	47.61	54	6.39
280.26	52.29	QP	H	13.90	1.22	27.50	39.91	39.91	46.00	6.09
316.15	53.07	QP	H	14.50	1.19	27.60	41.16	41.16	46.00	4.84

**5725-5850MHz:**

802.11n ht20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5745 MHz										
5745	79.98	PK	H	32.59	5.74	0.00	118.31	112.31	N/A	N/A
5745	69.81	Ave	H	32.59	5.74	0.00	108.14	102.14	N/A	N/A
5745	69.85	PK	V	32.59	5.74	0.00	108.18	102.18	N/A	N/A
5745	59.77	Ave	V	32.59	5.74	0.00	98.1	92.1	N/A	N/A
5725	45.36	PK	H	32.57	5.72	0.00	83.65	77.65	122.2	44.55
5720	41.59	PK	H	32.56	5.71	0.00	79.86	73.86	110.8	36.94
5700	37.88	PK	H	32.54	5.70	0.00	76.12	70.12	105.2	35.08
5650	34.36	PK	H	32.48	5.65	0.00	72.49	66.49	68.2	1.71
11490	23.49	PK	H	37.99	8.22	26.02	43.68	37.68	74	36.32
11490	9.33	Ave	H	37.99	8.22	26.02	29.52	23.52	54	30.48
17235	18.01	PK	H	42.98	10.82	25.99	45.82	39.82	74	34.18
17235	4.74	Ave	H	42.98	10.82	25.99	32.55	26.55	54	27.45
280.26	52.41	QP	H	13.90	1.22	27.50	40.03	40.03	46.00	5.97
316.15	51.54	QP	H	14.50	1.19	27.60	39.63	39.63	46.00	6.37
Middle Channel:5785 MHz										
5785	80.28	PK	H	32.64	5.77	0.00	118.69	112.69	N/A	N/A
5785	69.07	Ave	H	32.64	5.77	0.00	107.48	101.48	N/A	N/A
5785	70.43	PK	V	32.64	5.77	0.00	108.84	102.84	N/A	N/A
5785	59.87	Ave	V	32.64	5.77	0.00	98.28	92.28	N/A	N/A
11570	23.03	PK	H	38.03	8.21	26.00	43.27	37.27	74	36.73
11570	10.42	Ave	H	38.03	8.21	26.00	30.66	24.66	54	29.34
17355	17.60	PK	H	43.53	11.03	26.16	46	40	74	34
17355	5.11	Ave	H	43.53	11.03	26.16	33.51	27.51	54	26.49
280.26	52.6	QP	H	13.90	1.22	27.50	40.22	40.22	46.00	5.78
316.15	51.71	QP	H	14.50	1.19	27.60	39.80	39.80	46.00	6.20
High Channel:5825 MHz										
5825.0	80.80	PK	H	32.69	5.81	0.00	119.30	113.30	N/A	N/A
5825.0	71.07	Ave	H	32.69	5.81	0.00	109.57	103.57	N/A	N/A
5825.0	71.16	PK	V	32.69	5.81	0.00	109.66	103.66	N/A	N/A
5825.0	60.49	Ave	V	32.69	5.81	0.00	98.99	92.99	N/A	N/A
5850.0	42.28	PK	H	32.72	5.83	0.00	80.83	74.83	122.2	47.37
5855.0	35.77	PK	H	32.73	5.83	0.00	74.33	68.33	110.8	42.47
5875.0	32.63	PK	H	32.75	5.85	0.00	71.23	65.23	105.2	39.97
5925.0	32.00	PK	H	32.81	5.89	0.00	70.70	64.70	68.2	3.50
11650.0	23.52	PK	H	38.06	8.20	25.98	43.80	37.8	74	36.2
11650.0	9.71	Ave	H	38.06	8.20	25.98	29.99	23.99	54	30.01
15960.0	19.43	PK	H	39.49	10.27	25.28	43.91	37.91	74	36.09
15960.0	7.94	Ave	H	39.49	10.27	25.28	32.42	26.42	54	27.58
280.26	51.94	QP	H	13.90	1.22	27.50	39.56	39.56	46.00	6.44
316.15	51.22	QP	H	14.50	1.19	27.60	39.31	39.31	46.00	6.69

802.11ac 20 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5745 MHz										
5745	79.42	PK	H	32.59	5.74	0.00	117.75	111.75	N/A	N/A
5745	70.64	Ave	H	32.59	5.74	0.00	108.97	102.97	N/A	N/A
5745	69.75	PK	V	32.59	5.74	0.00	108.08	102.08	N/A	N/A
5745	59.47	Ave	V	32.59	5.74	0.00	97.8	91.8	N/A	N/A
5725	44.03	PK	H	32.57	5.72	0.00	82.32	76.32	122.2	45.88
5720	39.93	PK	H	32.56	5.71	0.00	78.2	72.2	110.8	38.6
5700	38.06	PK	H	32.54	5.70	0.00	76.3	70.3	105.2	34.9
5650	34.80	PK	H	32.48	5.65	0.00	72.93	66.93	68.2	1.27
11490	23.67	PK	H	37.99	8.22	26.02	43.86	37.86	74	36.14
11490	10.17	Ave	H	37.99	8.22	26.02	30.36	24.36	54	29.64
17235	19.07	PK	H	42.98	10.82	25.99	46.88	40.88	74	33.12
17235	6.46	Ave	H	42.98	10.82	25.99	34.27	28.27	54	25.73
280.26	52.17	QP	H	13.90	1.22	27.50	39.79	39.79	46.00	6.21
316.15	51.26	QP	H	14.50	1.19	27.60	39.35	39.35	46.00	6.65
Middle Channel:5785 MHz										
5785	80.90	PK	H	32.64	5.77	0.00	119.31	113.31	N/A	N/A
5785	69.77	Ave	H	32.64	5.77	0.00	108.18	102.18	N/A	N/A
5785	71.05	PK	V	32.64	5.77	0.00	109.46	103.46	N/A	N/A
5785	60.73	Ave	V	32.64	5.77	0.00	99.14	93.14	N/A	N/A
11570	23.03	PK	H	38.03	8.21	26.00	43.27	37.27	74	36.73
11570	11.27	Ave	H	38.03	8.21	26.00	31.51	25.51	54	28.49
17355	19.30	PK	H	43.53	11.03	26.16	47.7	41.7	74	32.3
17355	5.94	Ave	H	43.53	11.03	26.16	34.34	28.34	54	25.66
280.26	51.89	QP	H	13.90	1.22	27.50	39.51	39.51	46.00	6.49
316.15	51.17	QP	H	14.50	1.19	27.60	39.26	39.26	46.00	6.74
High Channel:5825 MHz										
5825	80.23	PK	H	32.69	5.81	0.00	118.73	112.73	N/A	N/A
5825	70.91	Ave	H	32.69	5.81	0.00	109.41	103.41	N/A	N/A
5825	71.53	PK	V	32.69	5.81	0.00	110.03	104.03	N/A	N/A
5825	61.24	Ave	V	32.69	5.81	0.00	99.74	93.74	N/A	N/A
5850	41.62	PK	H	32.72	5.83	0.00	80.17	74.17	122.2	48.03
5855	36.29	PK	H	32.73	5.83	0.00	74.85	68.85	110.8	41.95
5875	33.87	PK	H	32.75	5.85	0.00	72.47	66.47	105.2	38.73
5925	32.52	PK	H	32.81	5.89	0.00	71.22	65.22	68.2	2.98
11650	22.69	PK	H	38.06	8.20	25.98	42.97	36.97	74	37.03
11650	10.85	Ave	H	38.06	8.20	25.98	31.13	25.13	54	28.87
15960	20.77	PK	H	39.49	10.27	25.28	45.25	39.25	74	34.75
15960	8.85	Ave	H	39.49	10.27	25.28	33.33	27.33	54	26.67
280.26	51.78	QP	H	13.90	1.22	27.50	39.40	39.40	46.00	6.60
316.15	50.99	QP	H	14.50	1.19	27.60	39.08	39.08	46.00	6.92

802.11n ht40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5755 MHz										
5755	80.27	PK	H	32.61	5.74	0.00	118.62	112.62	N/A	N/A
5755	69.97	Ave	H	32.61	5.74	0.00	108.32	102.32	N/A	N/A
5755	69.90	PK	V	32.61	5.74	0.00	108.25	102.25	N/A	N/A
5755	60.46	Ave	V	32.61	5.74	0.00	98.81	92.81	N/A	N/A
5725	43.00	PK	H	32.57	5.72	0.00	81.29	75.29	122.2	46.91
5720	39.94	PK	H	32.56	5.71	0.00	78.21	72.21	110.8	38.59
5700	35.88	PK	H	32.54	5.70	0.00	74.12	68.12	105.2	37.08
5650	33.65	PK	H	32.48	5.65	0.00	71.78	65.78	68.2	2.42
11510	25.43	PK	H	38.00	8.22	26.02	45.63	39.63	74	34.37
11510	10.54	Ave	H	38.00	8.22	26.02	30.74	24.74	54	29.26
17265	19.04	PK	H	43.12	10.88	26.04	47	41	74	33
17265	5.98	Ave	H	43.12	10.88	26.04	33.94	27.94	54	26.06
280.26	52.39	QP	H	13.90	1.22	27.50	40.01	40.01	46.00	5.99
316.15	52.47	QP	H	14.50	1.19	27.60	40.56	40.56	46.00	5.44
High Channel:5795 MHz										
5795	80.40	PK	H	32.65	5.78	0.00	118.83	112.83	N/A	N/A
5795	69.82	Ave	H	32.65	5.78	0.00	108.25	102.25	N/A	N/A
5795	69.84	PK	V	32.65	5.78	0.00	108.27	102.27	N/A	N/A
5795	60.42	Ave	V	32.65	5.78	0.00	98.85	92.85	N/A	N/A
5850	41.78	PK	H	32.72	5.83	0.00	80.33	74.33	122.2	47.87
5855	36.73	PK	H	32.73	5.83	0.00	75.29	69.29	110.8	41.51
5875	33.86	PK	H	32.75	5.85	0.00	72.46	66.46	105.2	38.74
5925	33.44	PK	H	32.81	5.89	0.00	72.14	66.14	68.2	2.06
11590	23.05	PK	H	38.04	8.21	25.99	43.31	37.31	74	36.69
11590	9.72	Ave	H	38.04	8.21	25.99	29.98	23.98	54	30.02
17385	17.36	PK	H	43.67	11.08	26.21	45.9	39.9	74	34.1
17385	4.06	Ave	H	43.67	11.08	26.21	32.6	26.6	54	27.4
280.26	52.63	QP	H	13.90	1.22	27.50	40.25	40.25	46.00	5.75
316.15	52.65	QP	H	14.50	1.19	27.60	40.74	40.74	46.00	5.26

802.11 ac 40 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
Low Channel:5755 MHz										
5755	79.56	PK	H	32.61	5.74	0.00	117.91	111.91	N/A	N/A
5755	69.69	Ave	H	32.61	5.74	0.00	108.04	102.04	N/A	N/A
5755	69.11	PK	V	32.61	5.74	0.00	107.46	101.46	N/A	N/A
5755	59.44	Ave	V	32.61	5.74	0.00	97.79	91.79	N/A	N/A
5725	42.74	PK	H	32.57	5.72	0.00	81.03	75.03	122.2	47.17
5720	40.61	PK	H	32.56	5.71	0.00	78.88	72.88	110.8	37.92
5700	36.78	PK	H	32.54	5.70	0.00	75.02	69.02	105.2	36.18
5650	32.56	PK	H	32.48	5.65	0.00	70.69	64.69	68.2	3.51
11510	24.24	PK	H	38.00	8.22	26.02	44.44	38.44	74	35.56
11510	10.17	Ave	H	38.00	8.22	26.02	30.37	24.37	54	29.63
17265	19.14	PK	H	43.12	10.88	26.04	47.1	41.1	74	32.9
17265	5.73	Ave	H	43.12	10.88	26.04	33.69	27.69	54	26.31
280.26	52.82	QP	H	13.90	1.22	27.50	40.44	40.44	46.00	5.56
316.15	52.82	QP	H	14.50	1.19	27.60	40.91	40.91	46.00	5.09
High Channel:5795 MHz										
5795	80.93	PK	H	32.65	5.78	0.00	119.36	113.36	N/A	N/A
5795	70.98	Ave	H	32.65	5.78	0.00	109.41	103.41	N/A	N/A
5795	71.21	PK	V	32.65	5.78	0.00	109.64	103.64	N/A	N/A
5795	59.66	Ave	V	32.65	5.78	0.00	98.09	92.09	N/A	N/A
5850	40.91	PK	H	32.72	5.83	0.00	79.46	73.46	122.2	48.74
5855	36.31	PK	H	32.73	5.83	0.00	74.87	68.87	110.8	41.93
5875	33.89	PK	H	32.75	5.85	0.00	72.49	66.49	105.2	38.71
5925	32.52	PK	H	32.81	5.89	0.00	71.22	65.22	68.2	2.98
11590	23.06	PK	H	38.04	8.21	25.99	43.32	37.32	74	36.68
11590	10.14	Ave	H	38.04	8.21	25.99	30.4	24.4	54	29.6
17385	18.17	PK	H	43.67	11.08	26.21	46.71	40.71	74	33.29
17385	5.01	Ave	H	43.67	11.08	26.21	33.55	27.55	54	26.45
280.26	52.16	QP	H	13.90	1.22	27.50	39.78	39.78	46.00	6.22
316.15	52.33	QP	H	14.50	1.19	27.60	40.42	40.42	46.00	5.58

802.11 ac 80 mode:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Extrapolation Result dBµV/m	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)						
5775 MHz										
5775	77.88	PK	H	32.63	5.76	0.00	116.27	110.27	N/A	N/A
5775	68.31	Ave	H	32.63	5.76	0.00	106.7	100.7	N/A	N/A
5775	69.52	PK	V	32.63	5.76	0.00	107.91	101.91	N/A	N/A
5775	58.89	Ave	V	32.63	5.76	0.00	97.28	91.28	N/A	N/A
5725	42.48	PK	H	32.57	5.72	0.00	80.77	74.77	122.2	47.43
5720	37.95	PK	H	32.56	5.71	0.00	76.22	70.22	110.8	40.58
5700	36.79	PK	H	32.54	5.70	0.00	75.03	69.03	105.2	36.17
5650	33.56	PK	H	32.48	5.65	0.00	71.69	65.69	68.2	2.51
5850	40.75	PK	H	32.72	5.83	0.00	79.3	73.3	122.2	48.9
5855	38.58	PK	H	32.73	5.83	0.00	77.14	71.14	110.8	39.66
5875	36.72	PK	H	32.75	5.85	0.00	75.32	69.32	105.2	35.88
5925	32.52	PK	H	32.81	5.89	0.00	71.22	65.22	68.2	2.98
11550	23.94	PK	H	38.02	8.21	26.01	44.16	38.16	74	35.84
11550	9.64	Ave	H	38.02	8.21	26.01	29.86	23.86	54	30.14
17325	17.80	PK	H	43.40	10.98	26.12	46.06	40.06	74	33.94
17325	5.76	Ave	H	43.40	10.98	26.12	34.02	28.02	54	25.98
280.26	52.17	QP	H	13.90	1.22	27.50	39.79	39.79	46.00	6.21
316.15	51.36	QP	H	14.50	1.19	27.60	39.45	39.45	46.00	6.55

**2.4GHz band and 5.8GHz band transmit simultaneously**

(2.4GHz 802.11b 2TX Channel 2412MHz+ 5.8GHz 2TX 802.11a 5745MHz with beamforming was the worst+BLE, Test Performed at 3m distance):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector (PK/QP/AV)	Polar (H/V)	Factor (dB)					
4824	36.16	PK	H	30.84	5.11	26.87	45.24	74.00	28.76
4824	26.54	AV	H	30.84	5.11	26.87	35.62	54.00	18.38
7236	33.96	PK	H	34.77	6.18	26.36	48.55	74.00	25.45
7236	23.52	AV	H	34.77	6.18	26.36	38.11	54.00	15.89
1405	35.52	PK	H	23.85	2.54	26.42	35.49	74.00	38.51
1405	25.84	AV	H	23.85	2.54	26.42	25.81	54.00	28.19
11490	34.45	PK	H	37.99	8.22	26.02	54.64	74.00	19.36
11490	22.68	AV	H	37.99	8.22	26.02	42.87	54.00	11.13
17235	31.90	PK	H	42.98	10.82	25.99	59.71	74.00	14.29
17235	19.98	AV	H	42.98	10.82	25.99	47.79	54.00	6.21
4880	33.66	PK	H	31.02	5.09	26.87	42.90	74.00	31.10
4880	22.1	AV	H	31.02	5.09	26.87	31.34	54.00	22.66
7320	31.29	PK	H	34.94	6.22	26.40	46.05	74.00	27.95
7320	20.85	AV	H	34.94	6.22	26.40	35.61	54.00	18.39
241.46	54.24	QP	H	12.30	1.09	27.55	40.08	46.00	5.92
324.88	54.43	QP	H	14.65	1.21	27.64	42.65	46.00	3.35

## FCC §15.407(a) –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
Rohde & Schwarz	Signal Analyzer	FSIQ26	831929/005	2016-09-21	2017-09-20
N/A	RF Cable	N/A	N/A	Each Time	/

\* **Statement of Traceability:** BACL (Chengdu) attested 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 v01r03

### Test Data

#### Environmental Conditions

<b>Temperature:</b>	26.3~26.7 °C
<b>Relative Humidity:</b>	36~42 %
<b>ATM Pressure:</b>	101~101.5kPa

*The testing was performed by Lorin Bian from 2016-12-02 to 2016-12-03.*

**Test Result:** Pass.

Please refer to the following tables and plots.

Test mode: Transmitting (Test performed at SISO mode Chain 0)

UNII Band	Mode	Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	
5150-5250MHz	802.11 a	Low	5180	19.56	
		Middle	5200	19.56	
		High	5240	19.56	
	5G 802.11 n20	Low	5180	20.44	
		Middle	5200	20.44	
		High	5240	20.52	
	5G 802.11 ac20	Low	5180	20.68	
		Middle	5200	20.52	
		High	5240	20.36	
	5G 802.11 n40	Low	5190	39.12	
		High	5230	39.28	
	5G 802.11 ac40	Low	5190	39.12	
High		5230	39.28		
	802.11 ac80	Middle	5210	84.01	
5250-5350MHz	802.11 a	Low	5260	19.64	
		Middle	5280	19.48	
		High	5320	19.56	
	5G 802.11 n20	Low	5260	20.52	
		Middle	5280	20.44	
		High	5320	20.44	
	5G 802.11 ac20	Low	5260	20.44	
		Middle	5280	20.52	
		High	5320	20.36	
	5G 802.11 n40	Low	5270	39.28	
		High	5310	39.28	
	5G 802.11 ac40	Low	5270	39.44	
		High	5310	39.44	
		802.11 ac80	Middle	5290	84.01

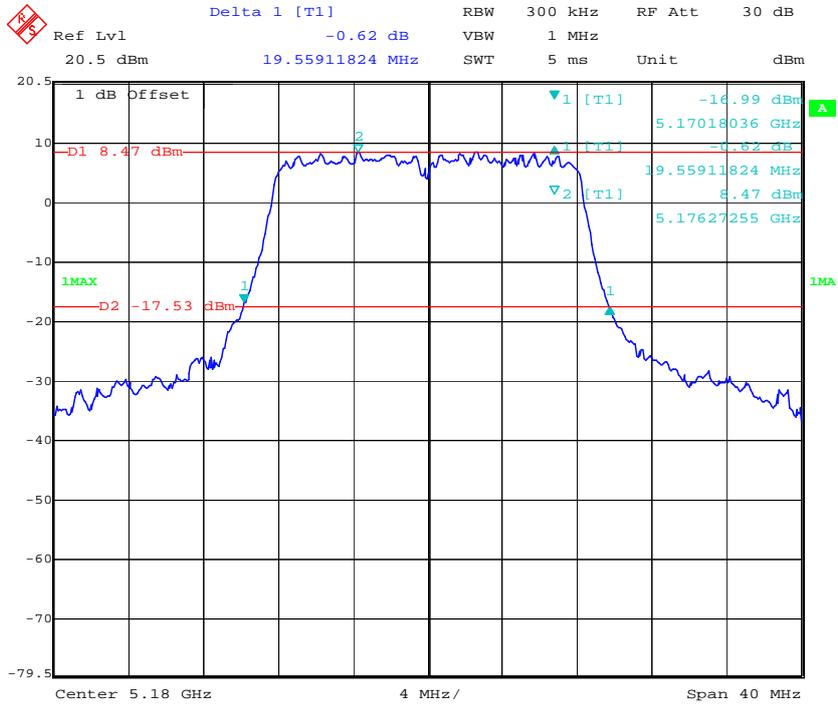
UNII Band	Mode	Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
5470-5725MHz	802.11 a	Low	5500	19.56
		Middle	5600	19.56
		High	5700	19.48
		Crossed	5720	19.66
	5G 802.11 n20	Low	5500	20.68
		Middle	5600	20.68
		High	5700	20.52
		Crossed	5720	20.54
	5G 802.11 ac20	Low	5500	20.52
		Middle	5600	20.6
		High	5700	20.28
		Crossed	5720	20.4
	5G 802.11 n40	Low	5510	39.28
		Middle	5590	39.28
		High	5670	39.12
		Crossed	5710	39.34
	5G 802.11 ac40	Low	5510	39.28
		Middle	5590	39.28
		High	5670	39.12
		Crossed	5710	39.34
802.11 ac80	Low	5530	84.65	
	High	5610	84.65	
	Crossed	5690	84.65	
5725-5850MHz	802.11 a	Low	5745	19.48
		Middle	5785	20.68
		High	5825	21.00
	802.11 n20	Low	5745	20.44
		Middle	5785	20.68
		High	5825	20.76
	802.11 ac20	Low	5745	20.44
		Middle	5785	20.60
		High	5825	20.68
	802.11 n40	Low	5755	39.28
		High	5795	39.28
	802.11 ac40	Low	5755	39.12
		High	5795	39.28
802.11 ac80	Middle	5775	84.33	

Note: 26dB bandwidth only for reporting.

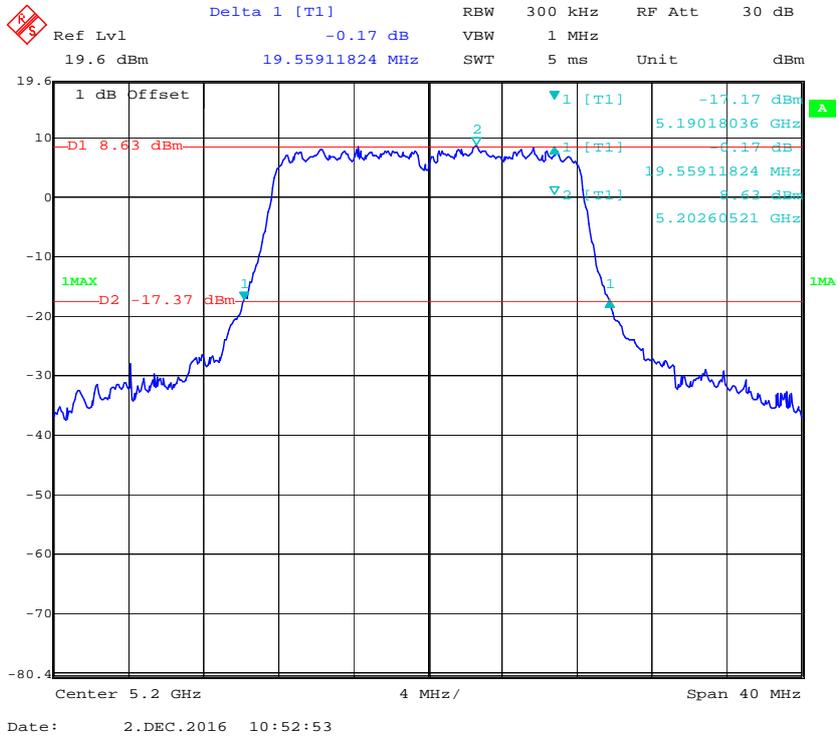
UNII Band	Mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limits
5725-5850MHz	802.11 a	Low	5745	16.43	≥500kHz
		Middle	5785	16.43	≥500kHz
		High	5825	16.35	≥500kHz
	802.11 n20	Low	5745	17.64	≥500kHz
		Middle	5785	17.64	≥500kHz
		High	5825	17.64	≥500kHz
	802.11 ac20	Low	5745	17.64	≥500kHz
		Middle	5785	17.64	≥500kHz
		High	5825	17.64	≥500kHz
	802.11 n40	Low	5755	35.43	≥500kHz
		High	5795	35.43	≥500kHz
	802.11 ac40	Low	5755	35.43	≥500kHz
		High	5795	35.43	≥500kHz
	802.11 ac80	Middle	5775	76.63	≥500kHz

5150-5250MHz

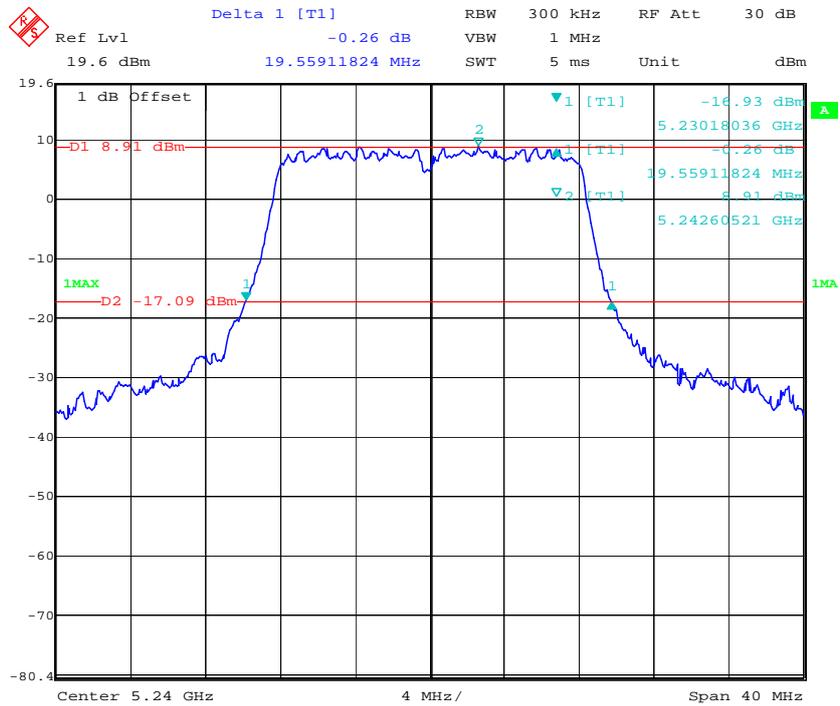
802.11a Low Channel



802.11a Middle Channel

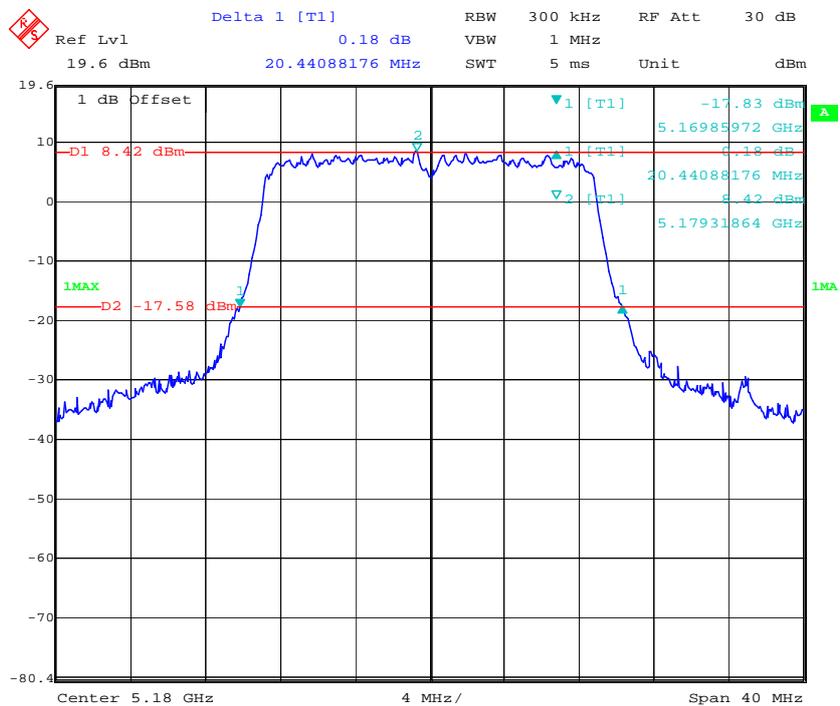


### 802.11a High Channel



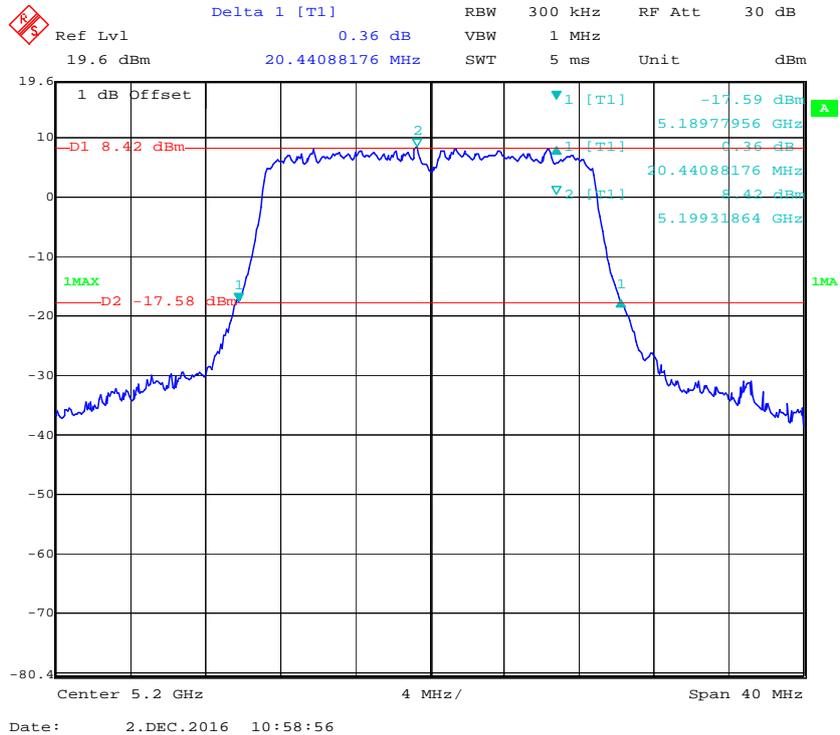
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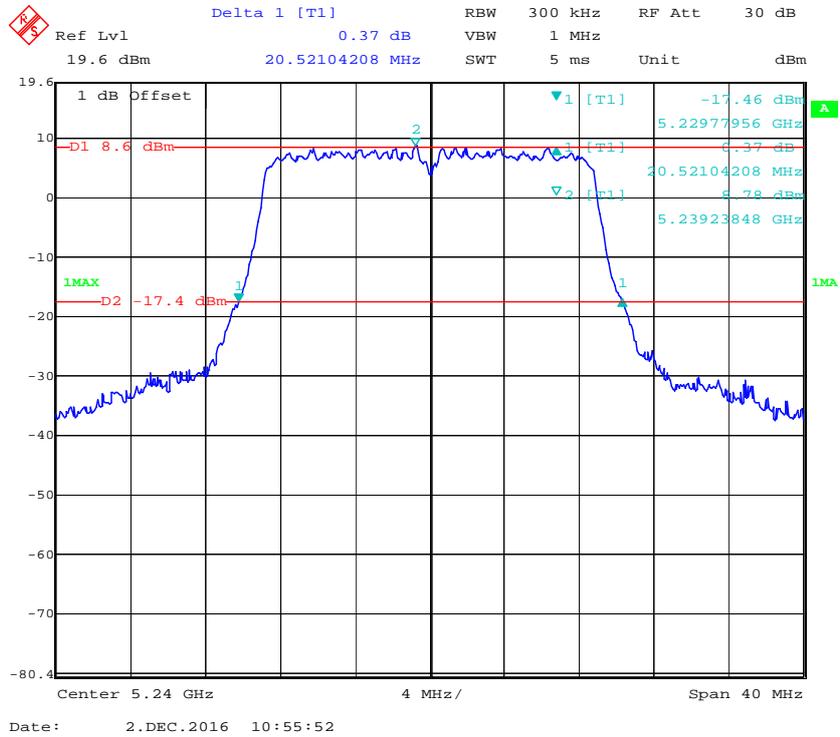


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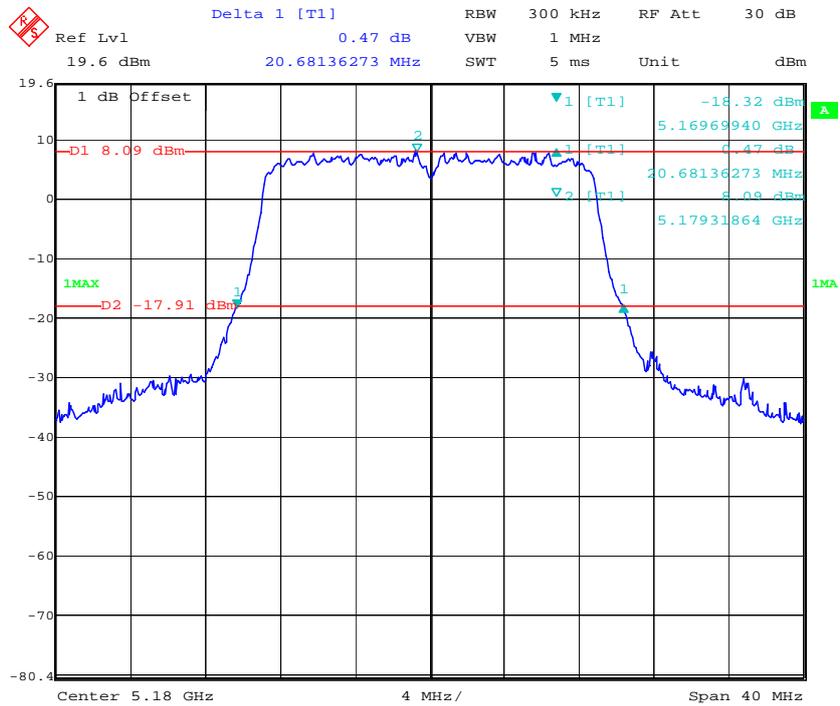
### 802.11n ht20 Middle Channel



### 802.11n ht20 High Channel

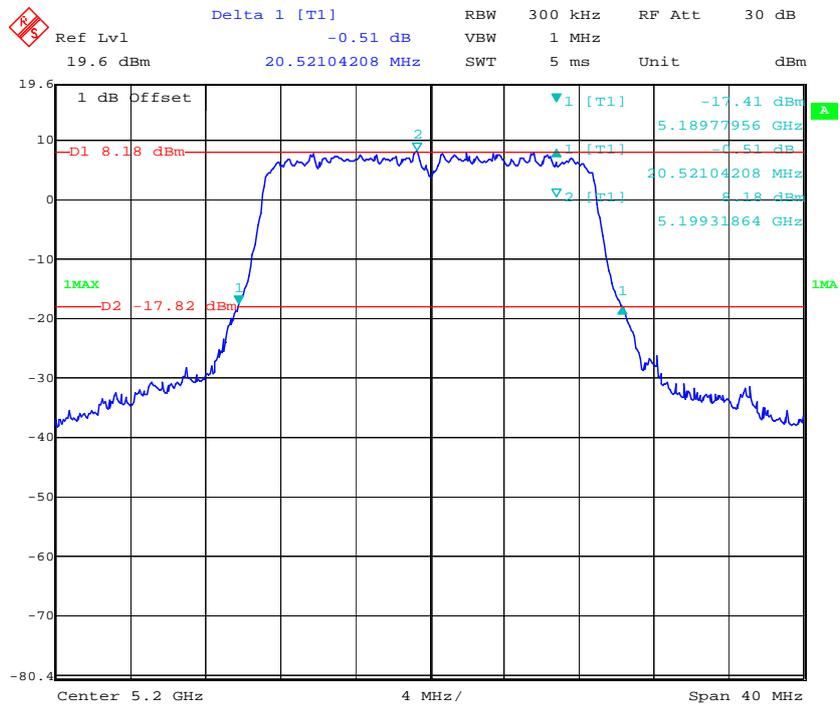


### 802.11 ac20 Low Channel



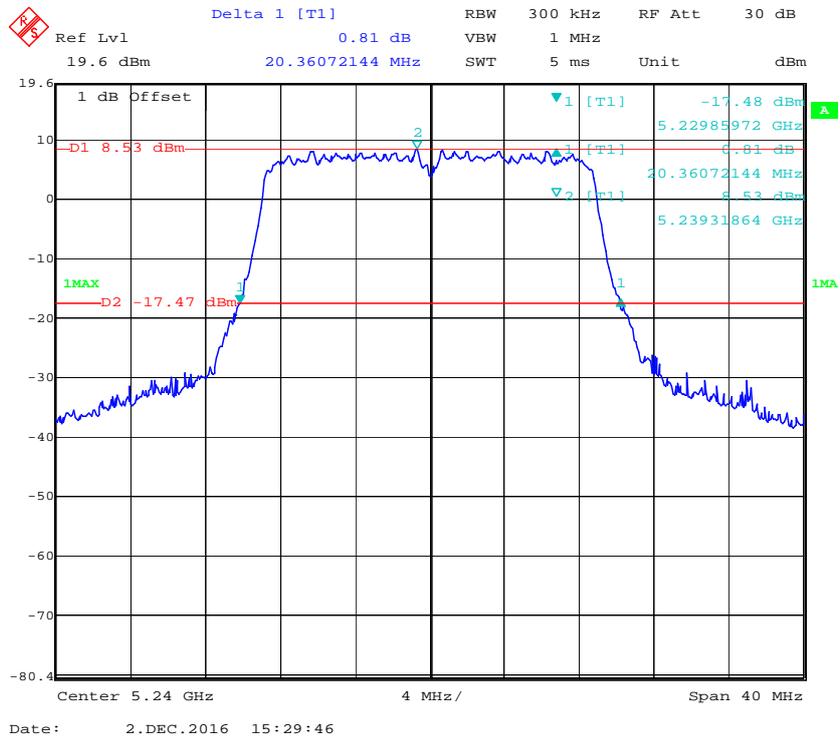
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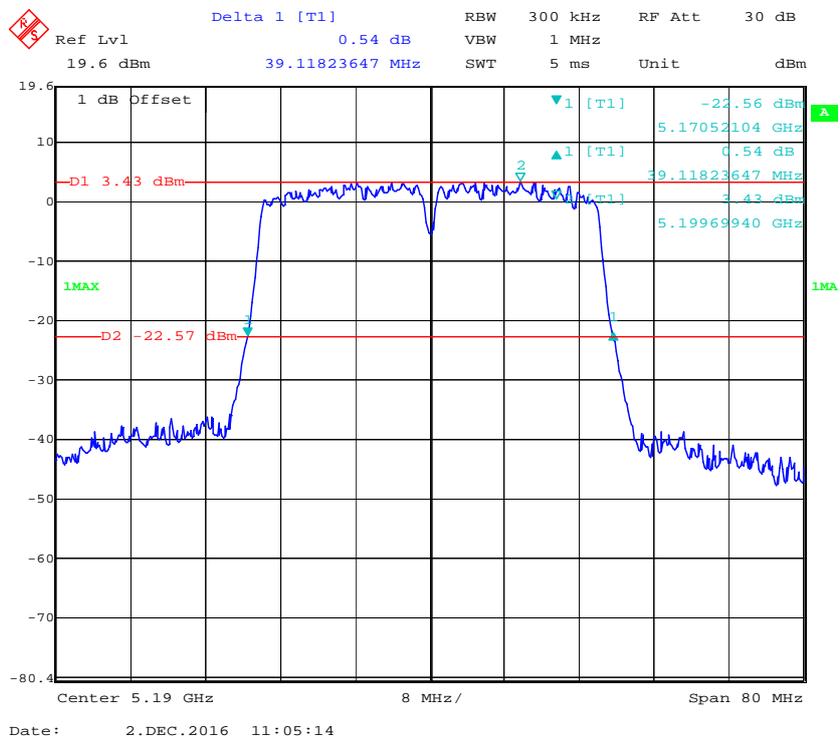


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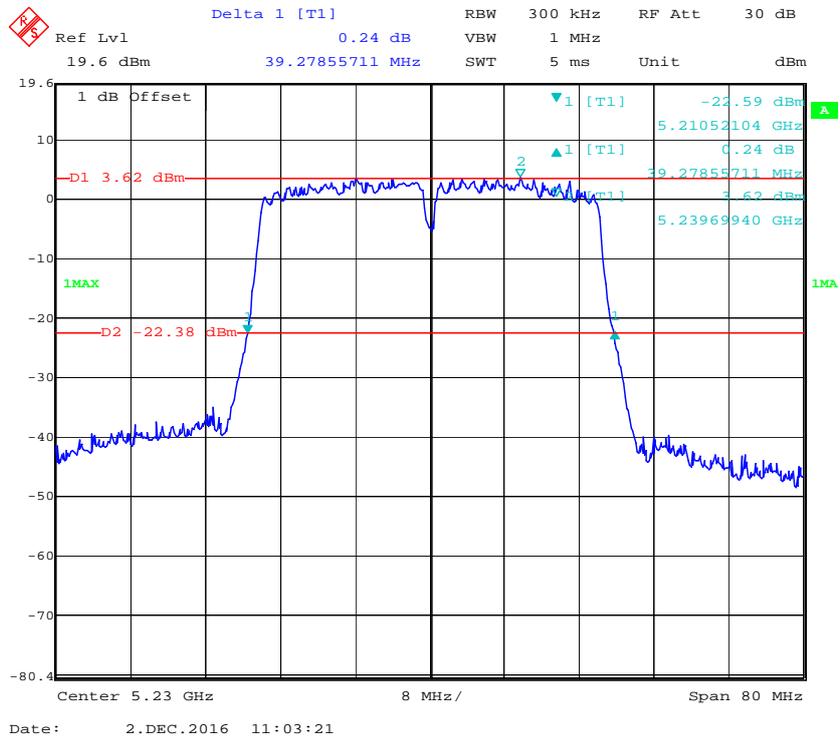
### 802.11 ac20 High Channel



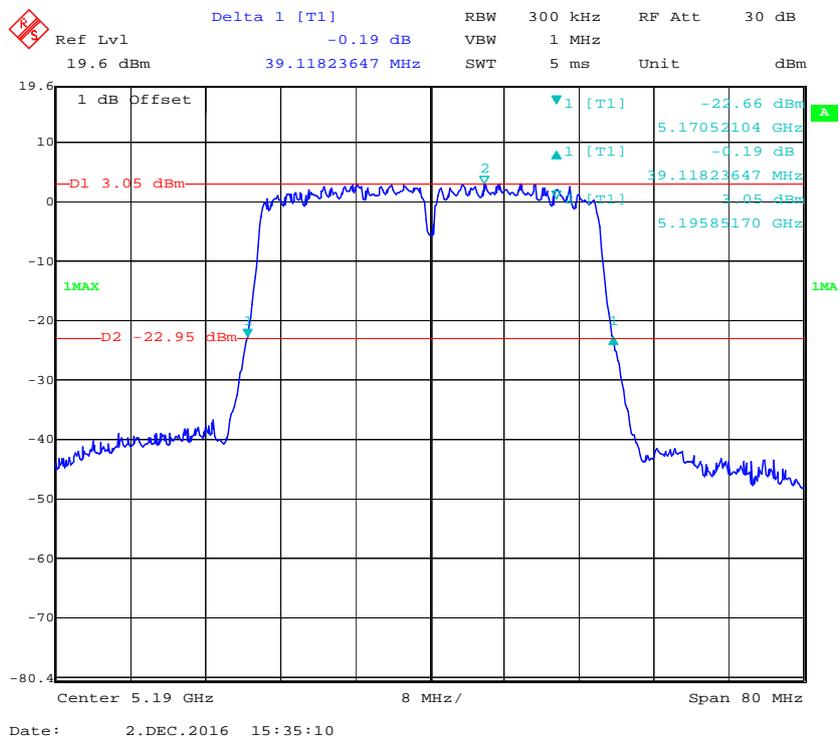
### 802.11n ht40 Low Channel



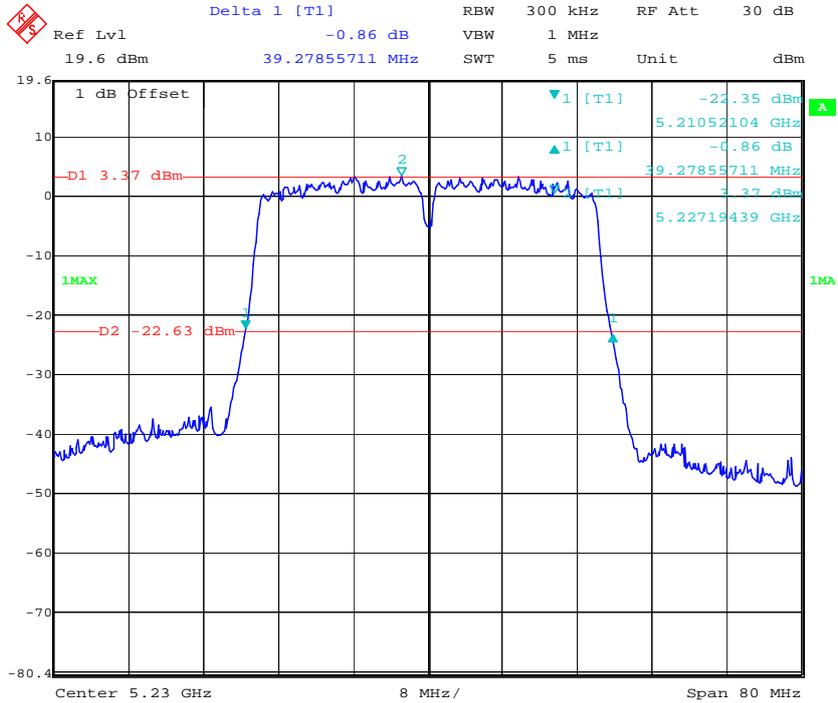
### 802.11n ht40 High Channel



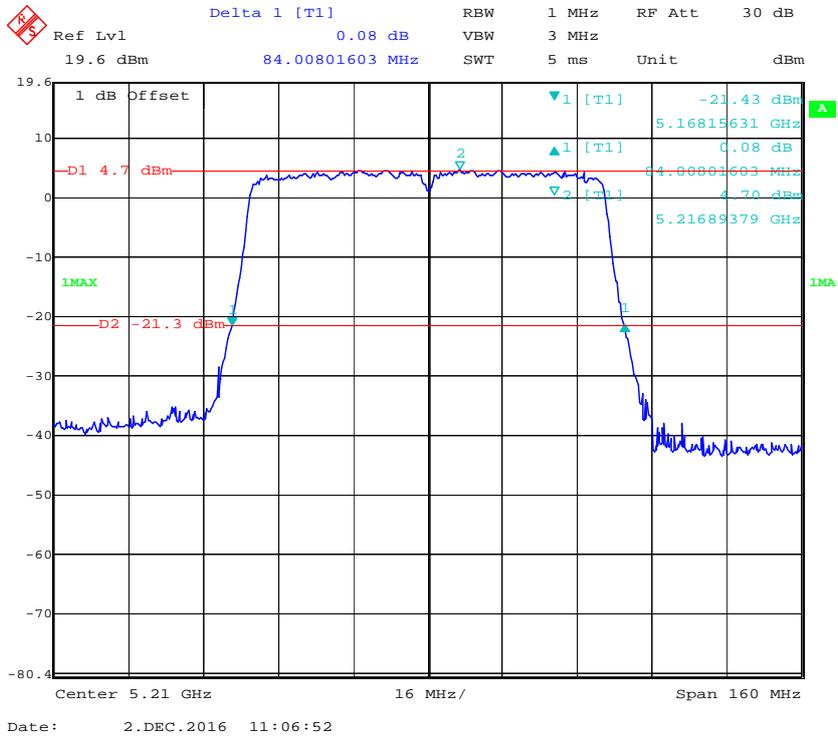
### 802.11 ac40 Low Channel



### 802.11 ac40 High Channel

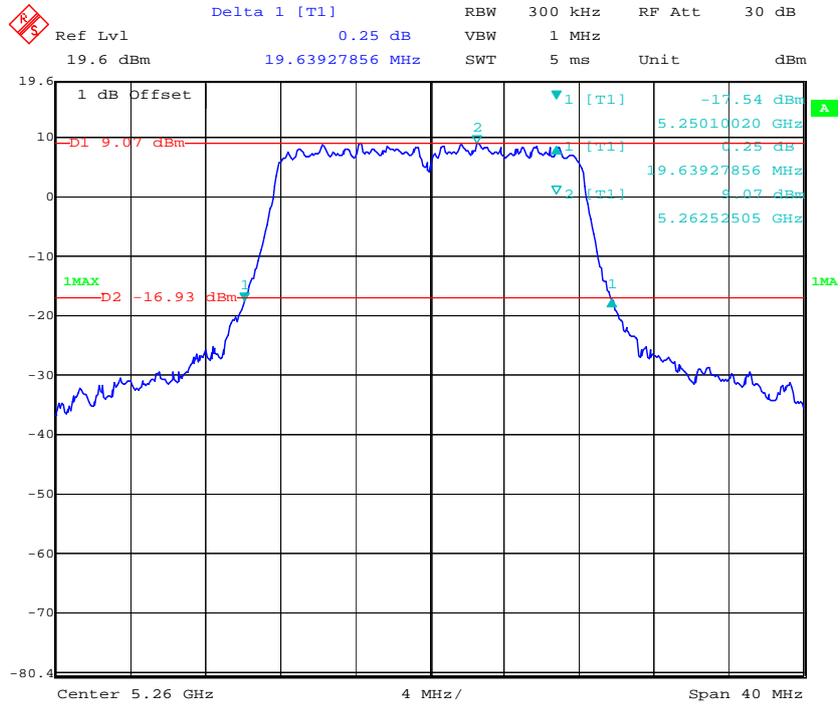


### 802.11ac80 Middle Channel



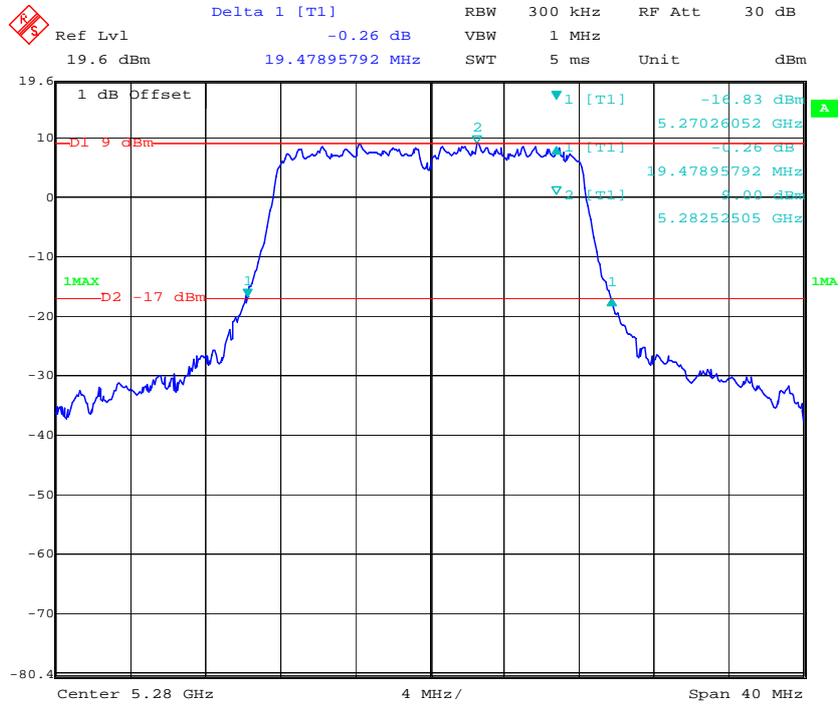
5250-5350MHz

802.11a Low Channel



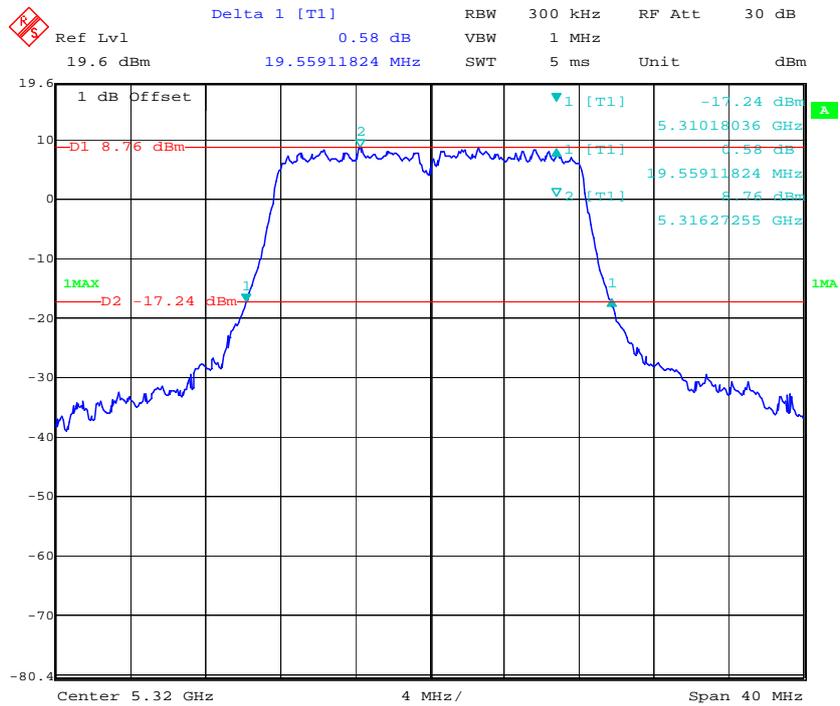
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802.11a Middle Channel



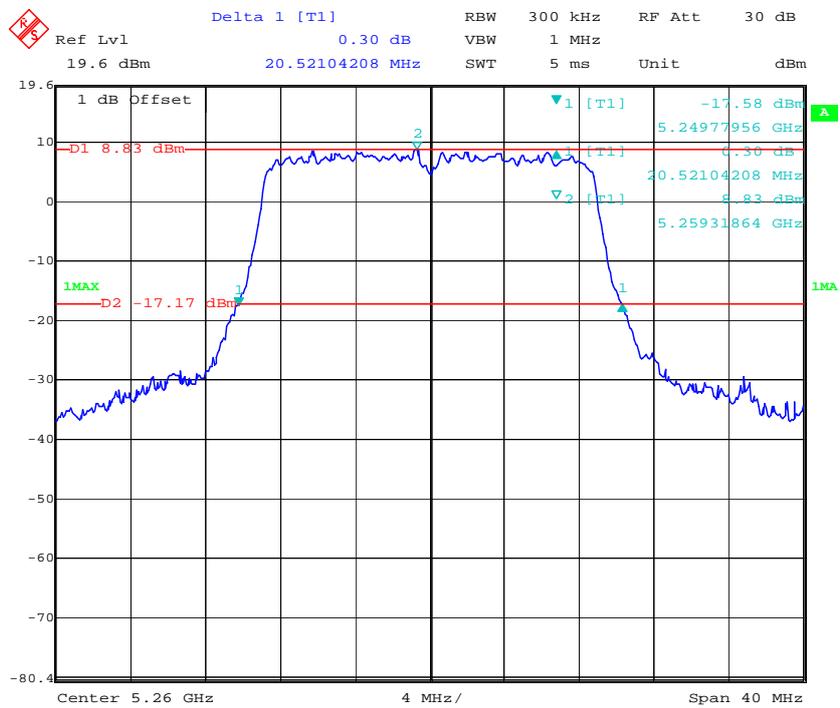
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### 802.11a High Channel



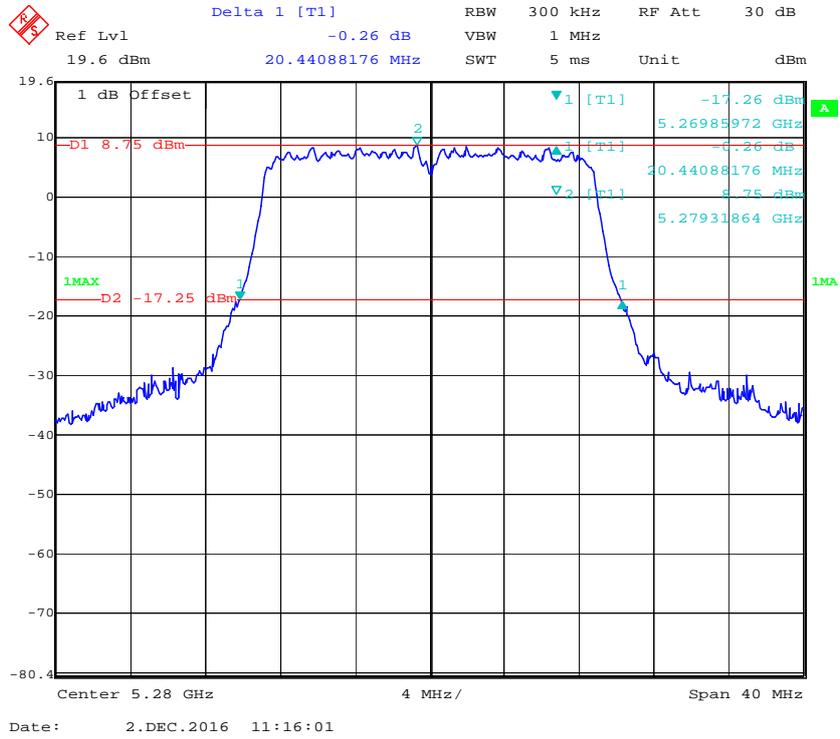
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### 802.11n ht20 Low Channel

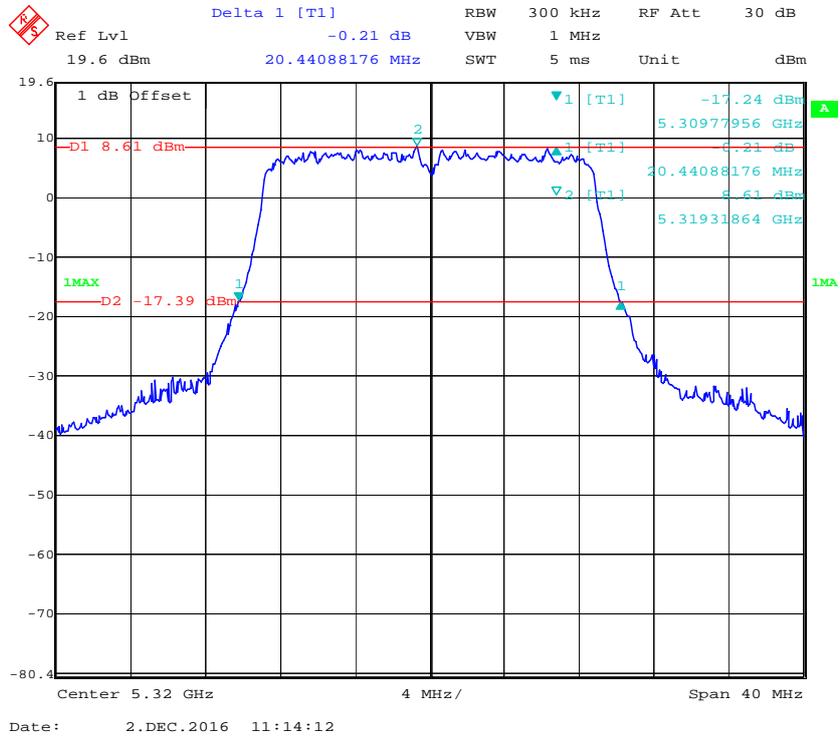


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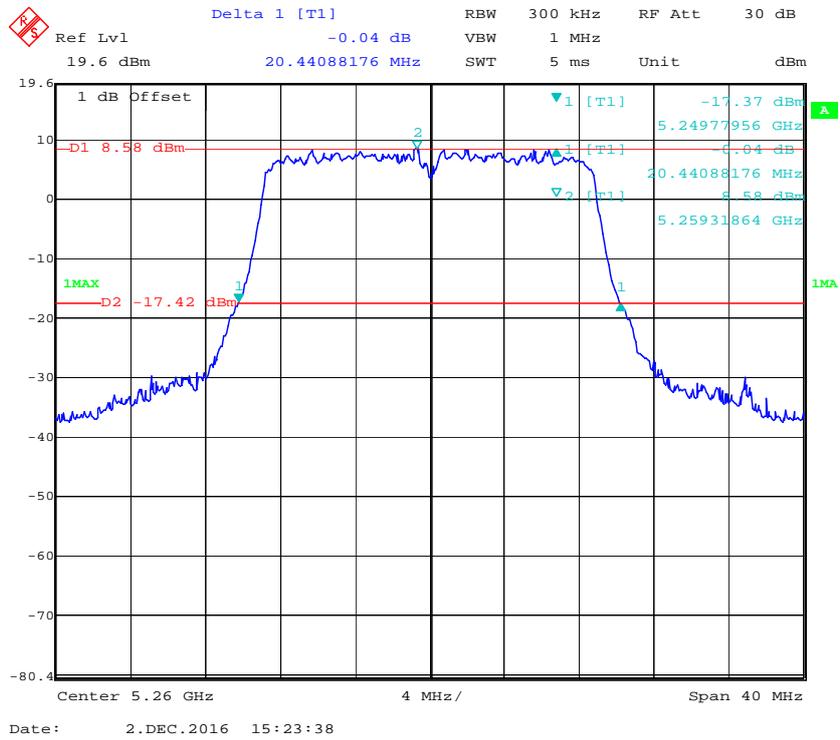
### 802.11n ht20 Middle Channel



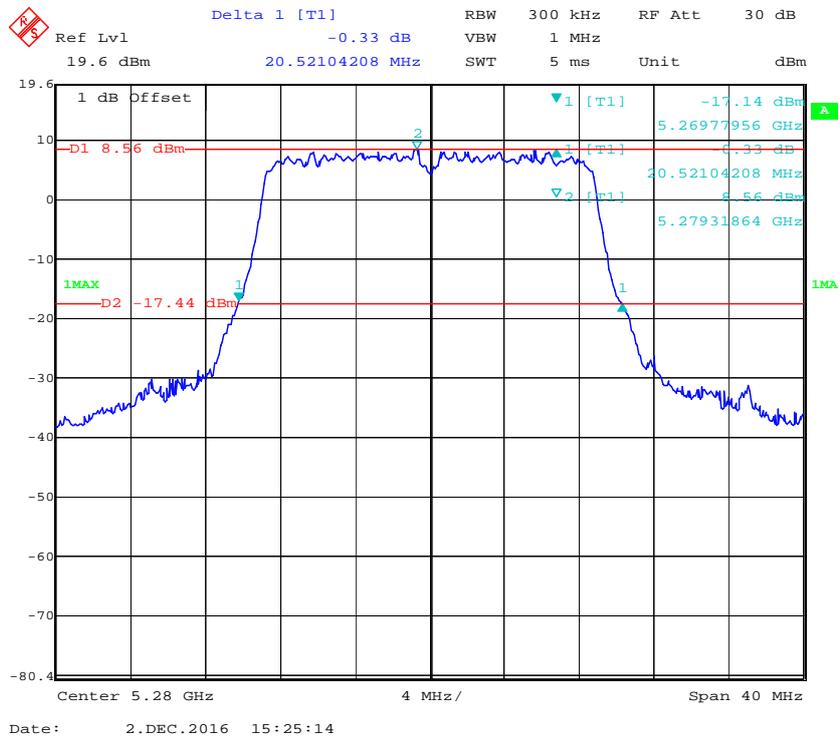
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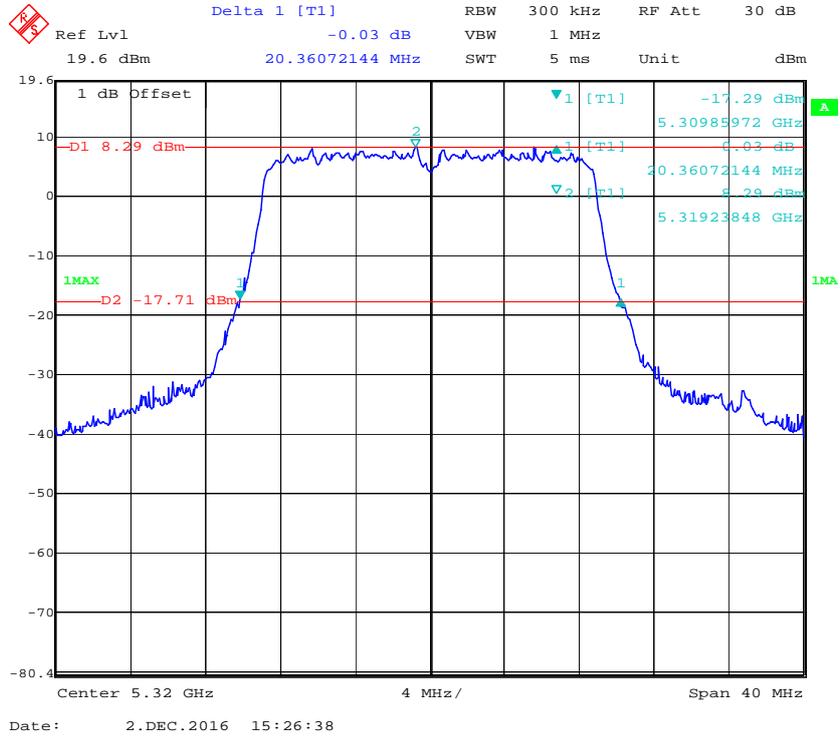
### 802.11 ac20 Low Channel



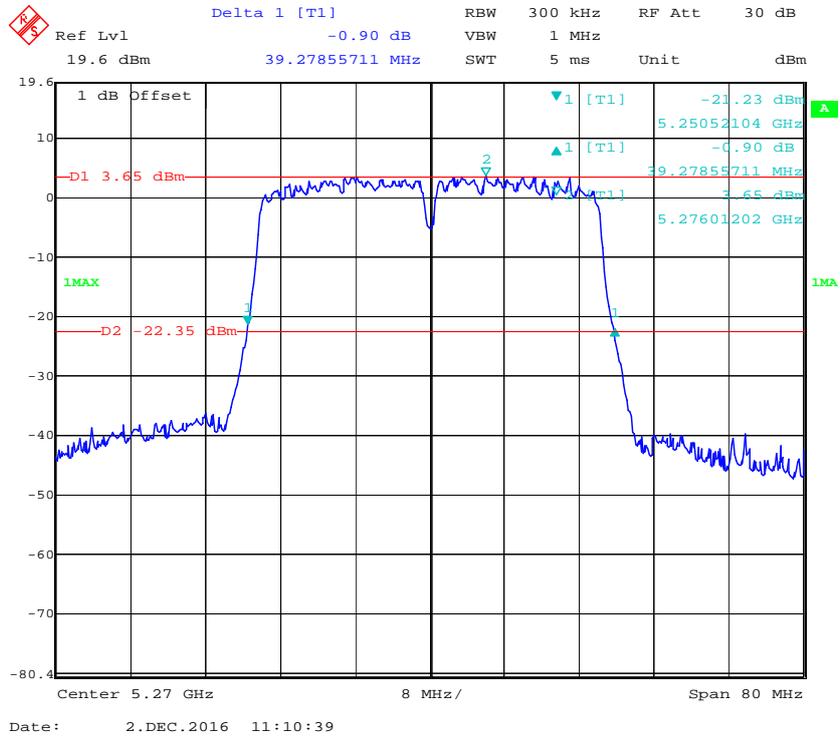
### 802.11 ac20 Middle Channel



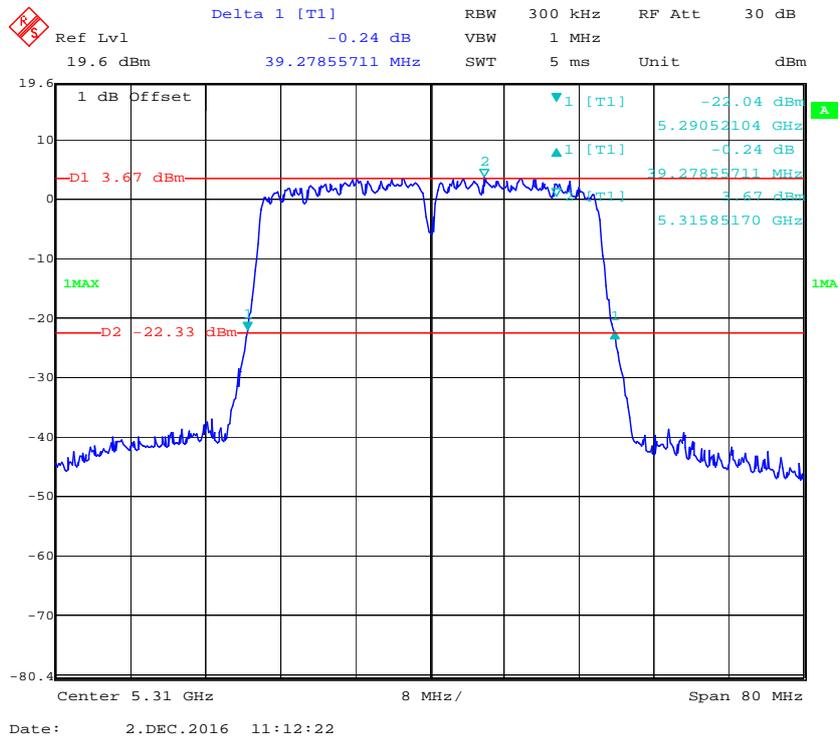
### 802.11 ac20 High Channel



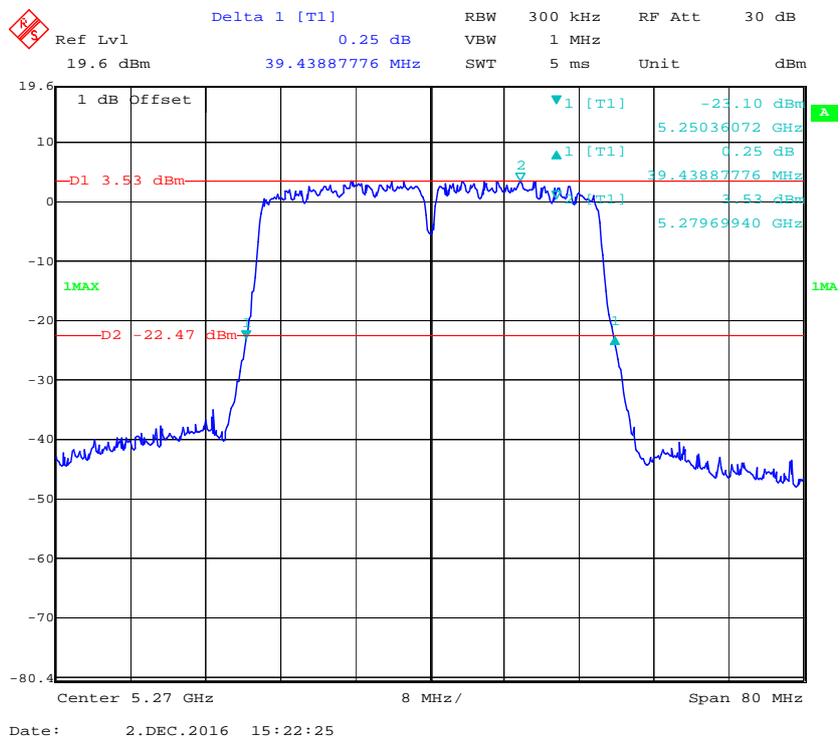
### 802.11n ht40 Low Channel



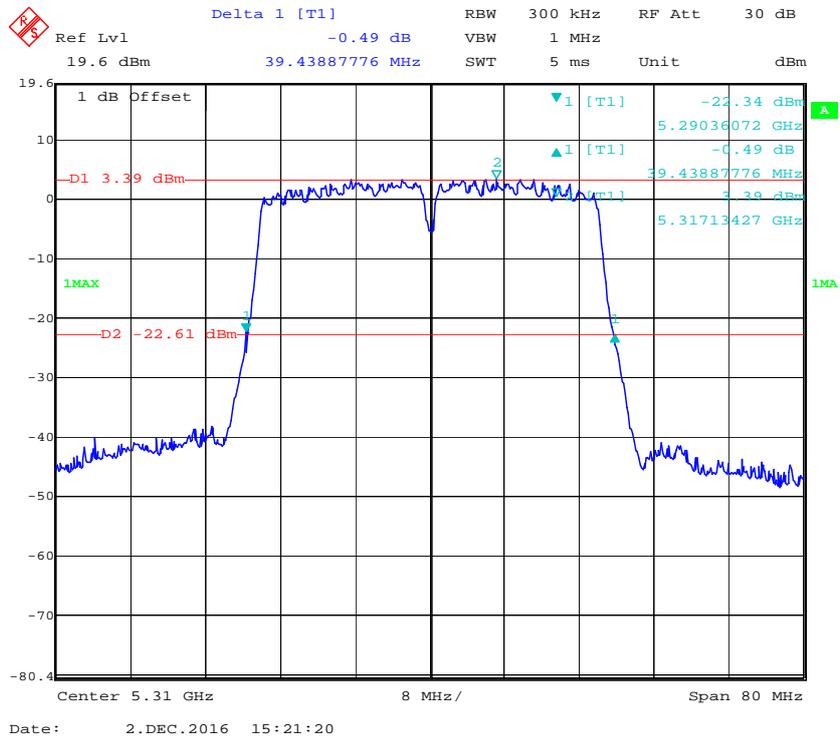
### 802.11n ht40 High Channel



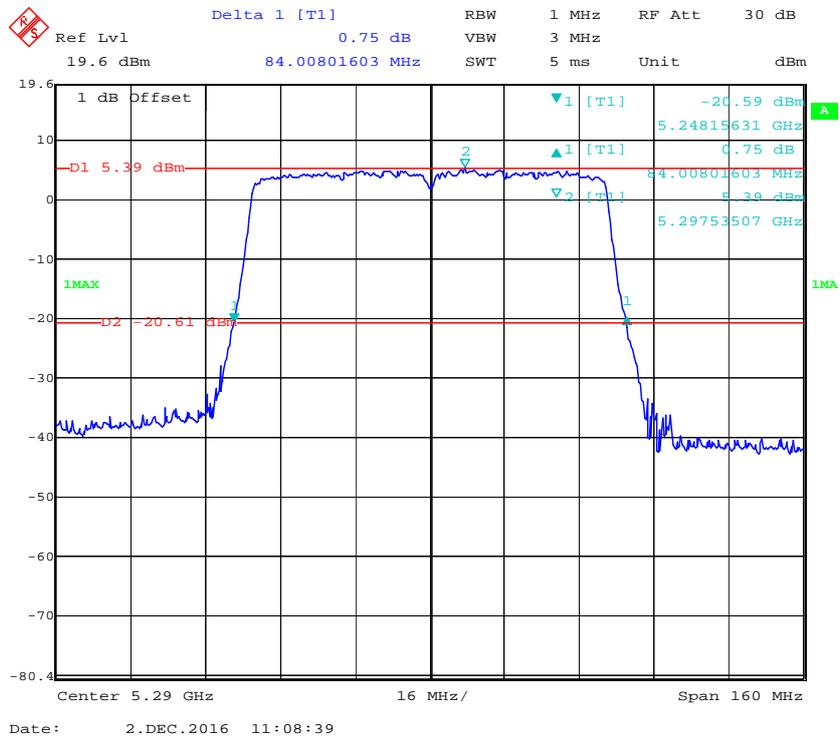
### 802.11 ac40 Low Channel



### 802.11 ac40 High Channel

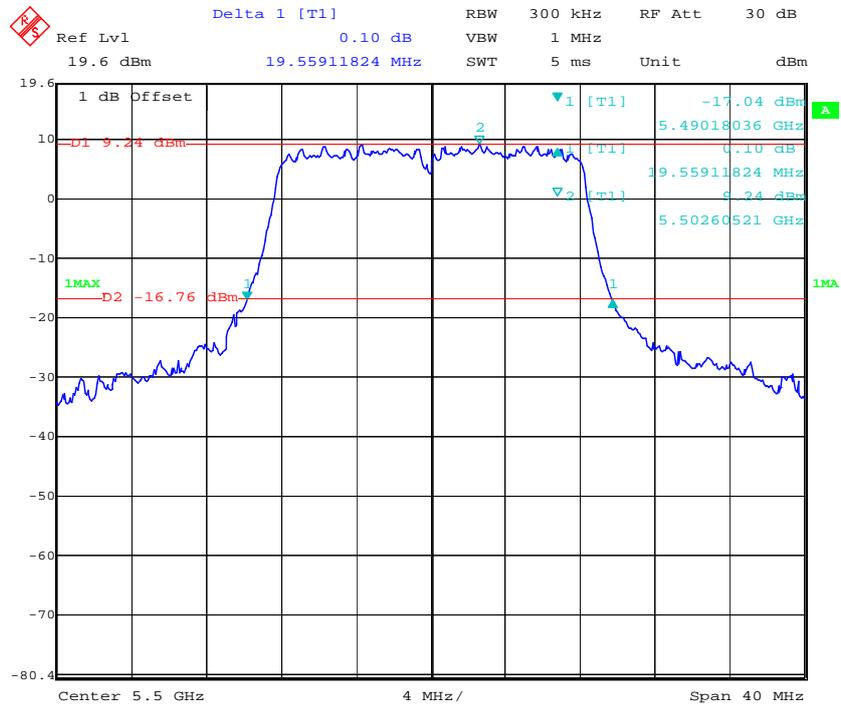


### 802.11ac80 Middle Channel

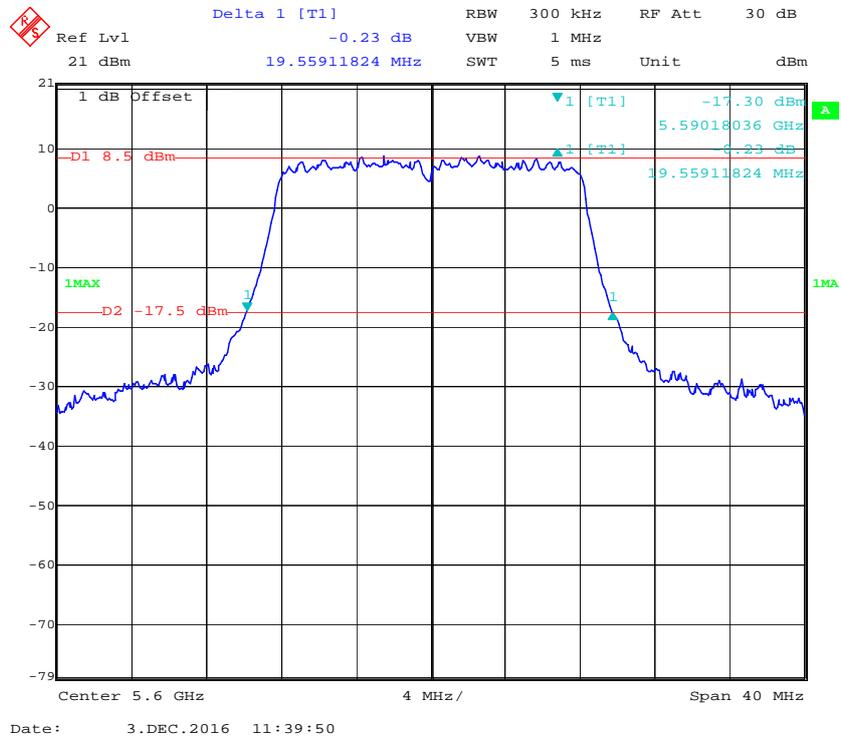


5470-5725MHz

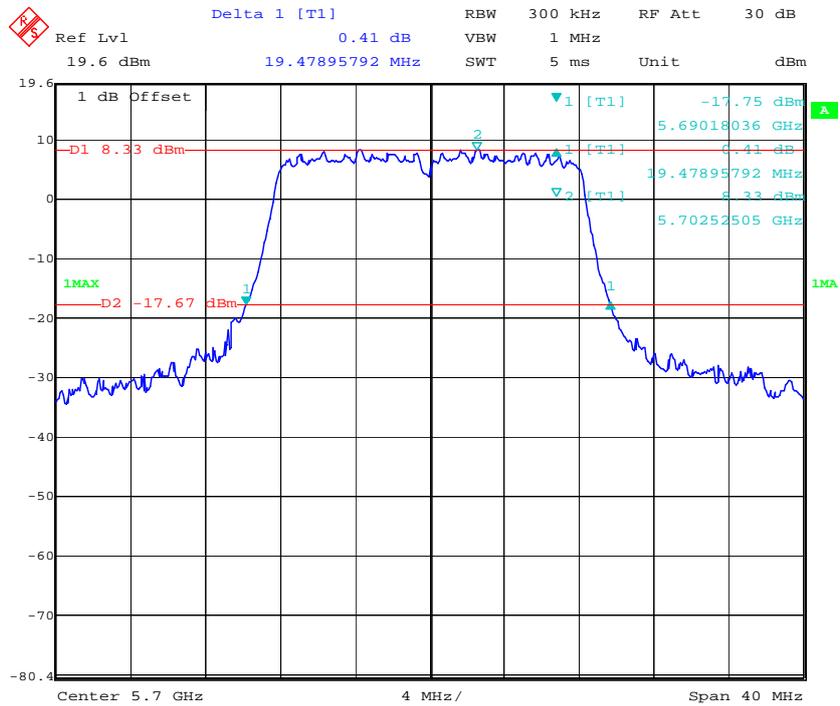
802.11a 5500MHz



802.11a 5600MHz

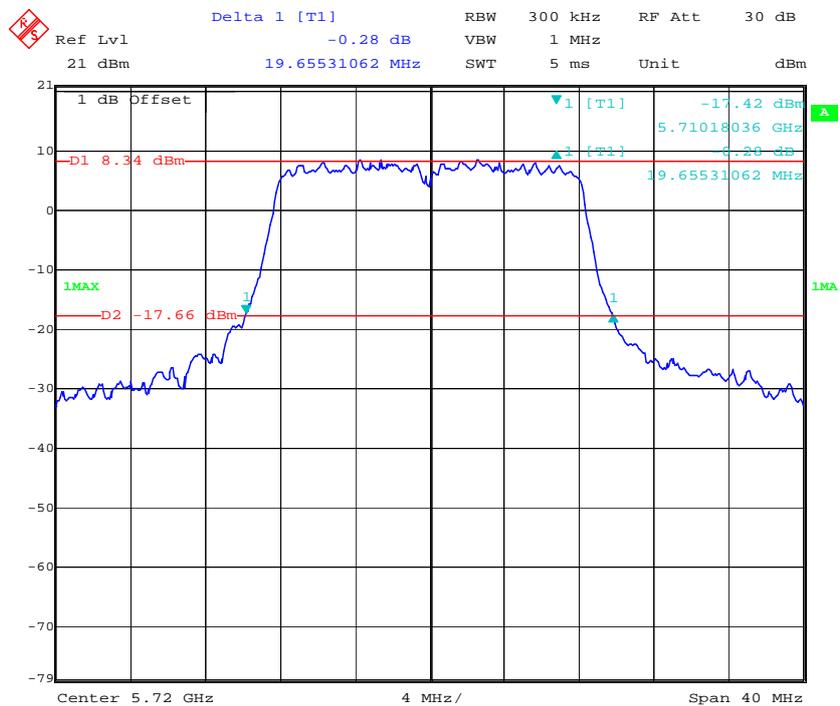


### 802.11a 5700MHz



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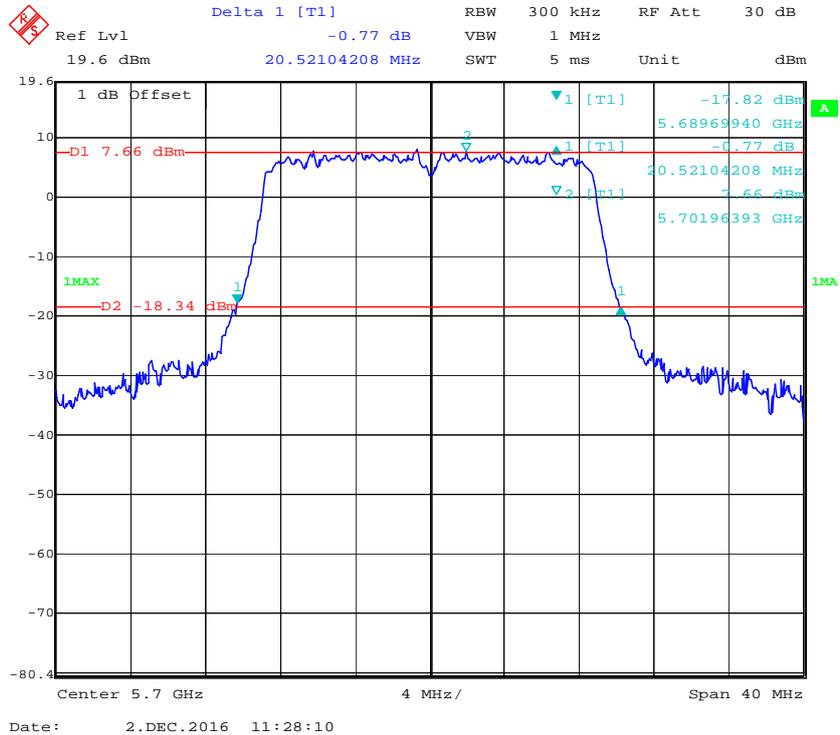
### 802.11a 5720MHz



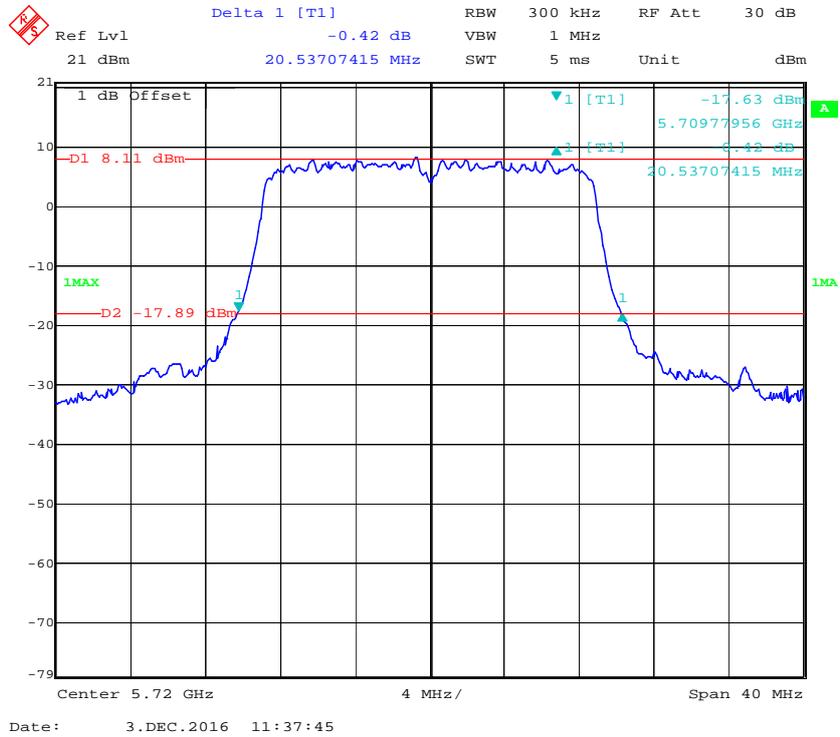
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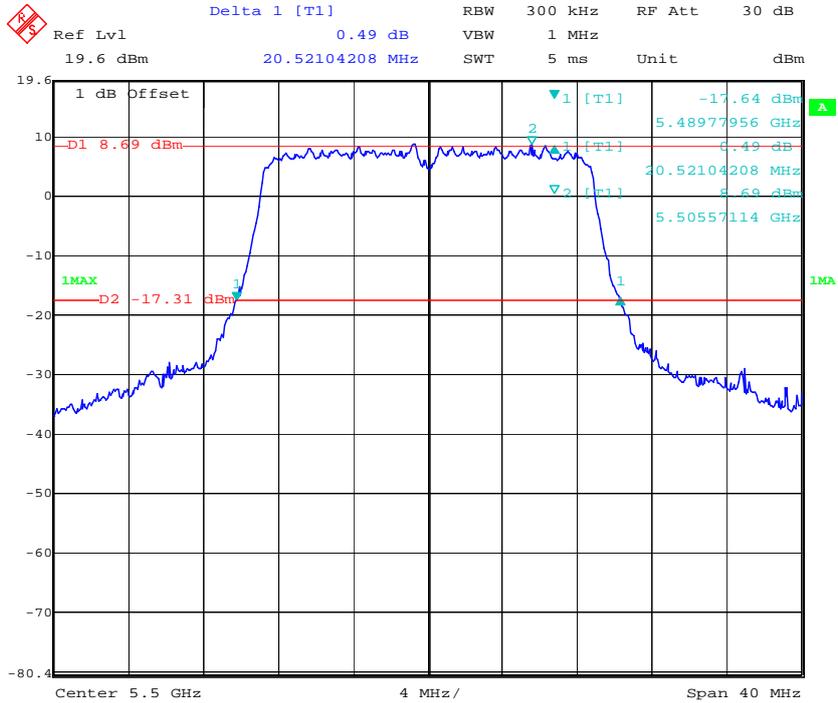
802.11n ht20 5700MHz



802.11n ht20 5720MHz

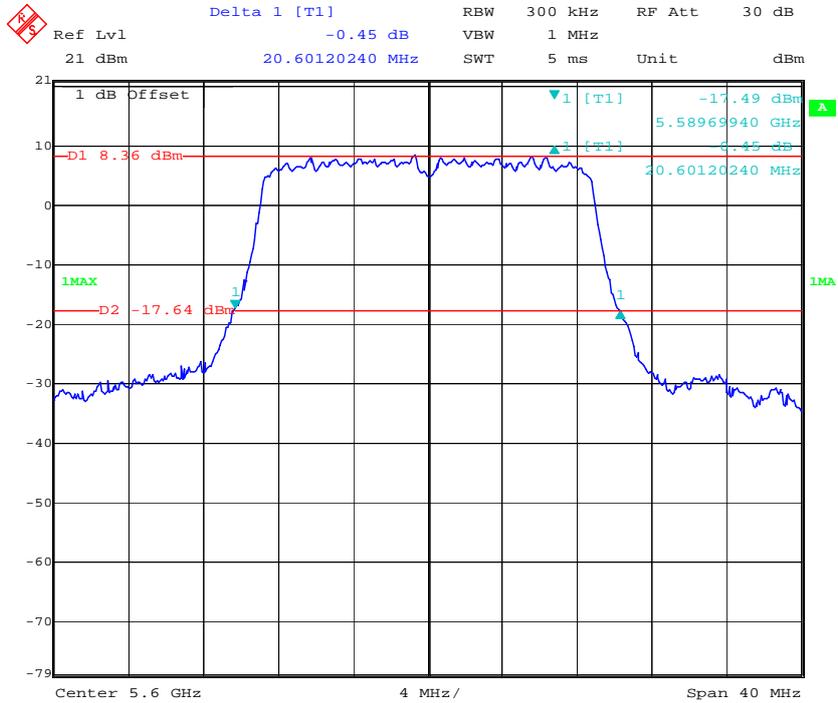


**802.11 ac20 5500MHz**



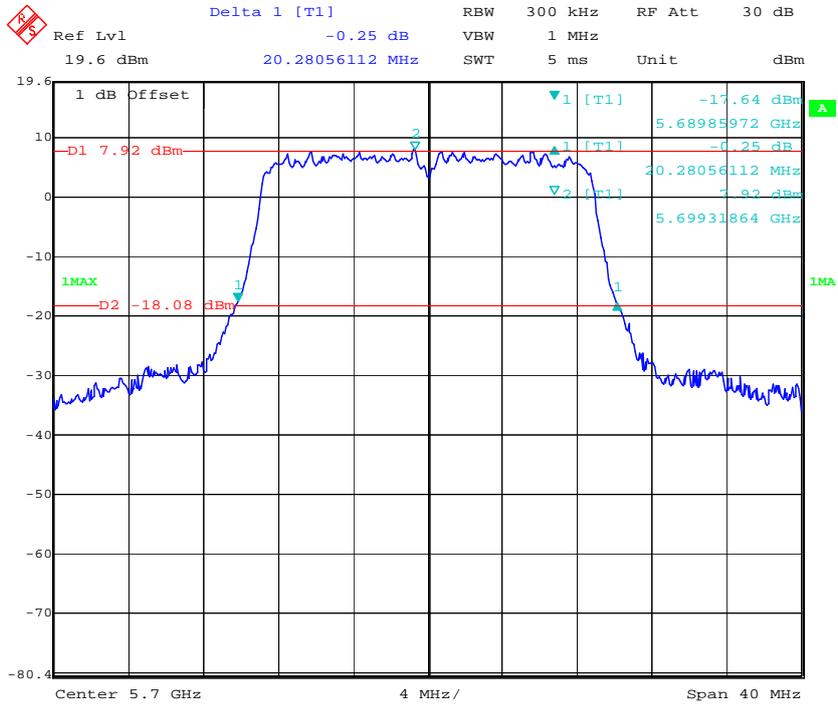
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**802.11 ac20 5600MHz**

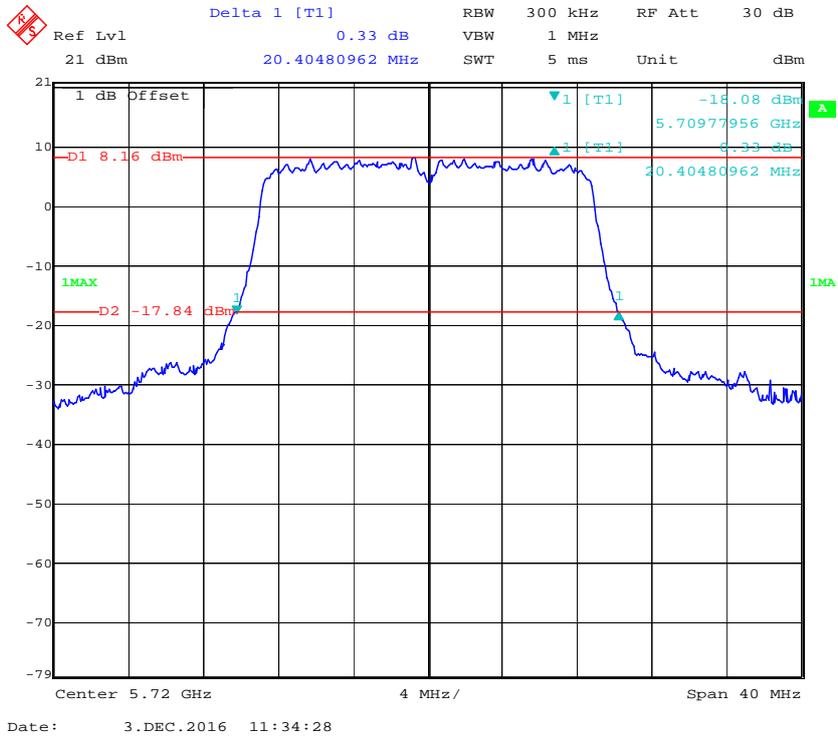


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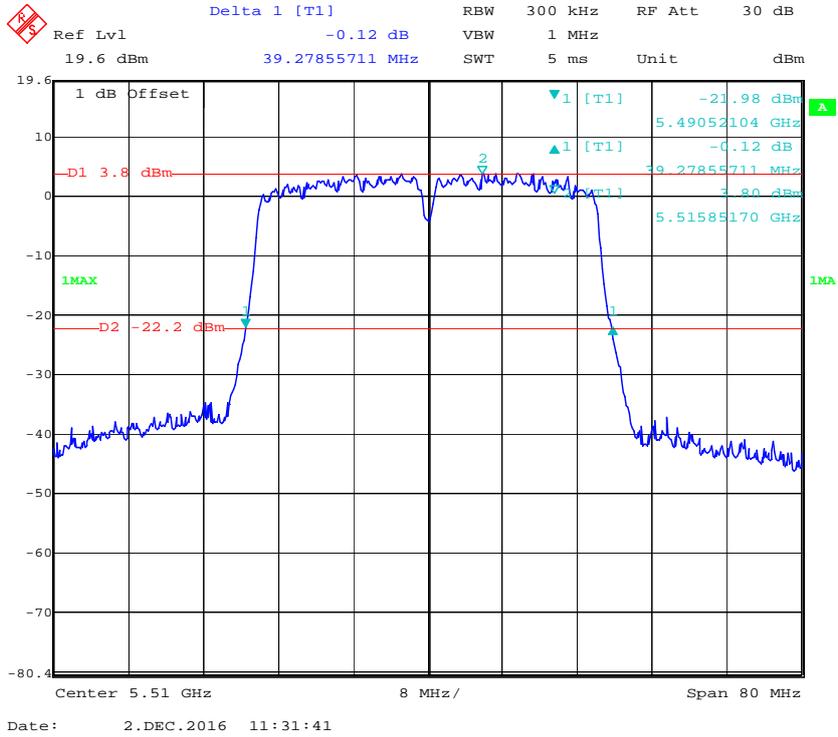
**802.11 ac20 5700MHz**



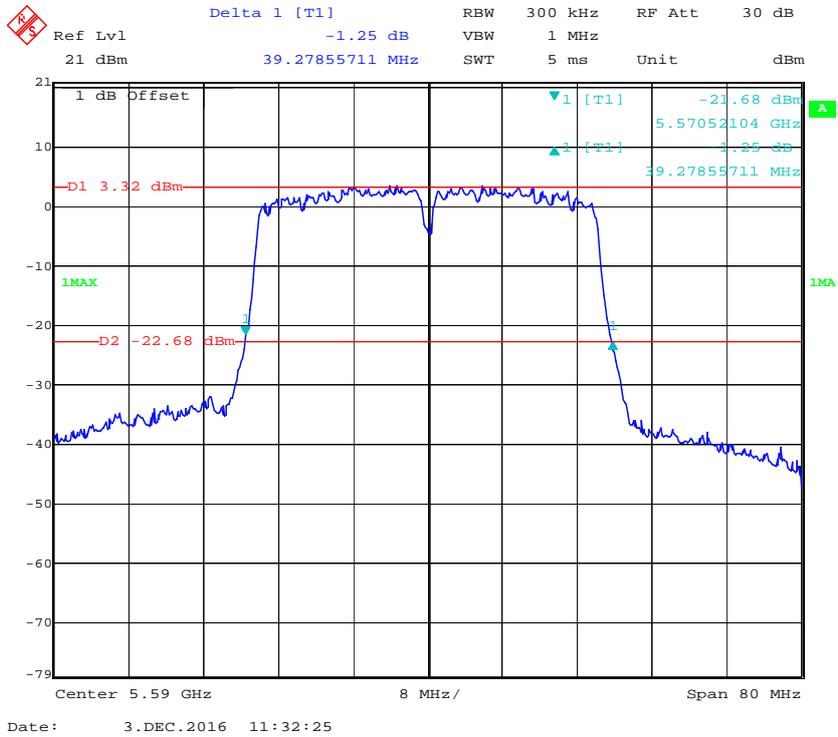
**802.11 ac20 5720MHz**



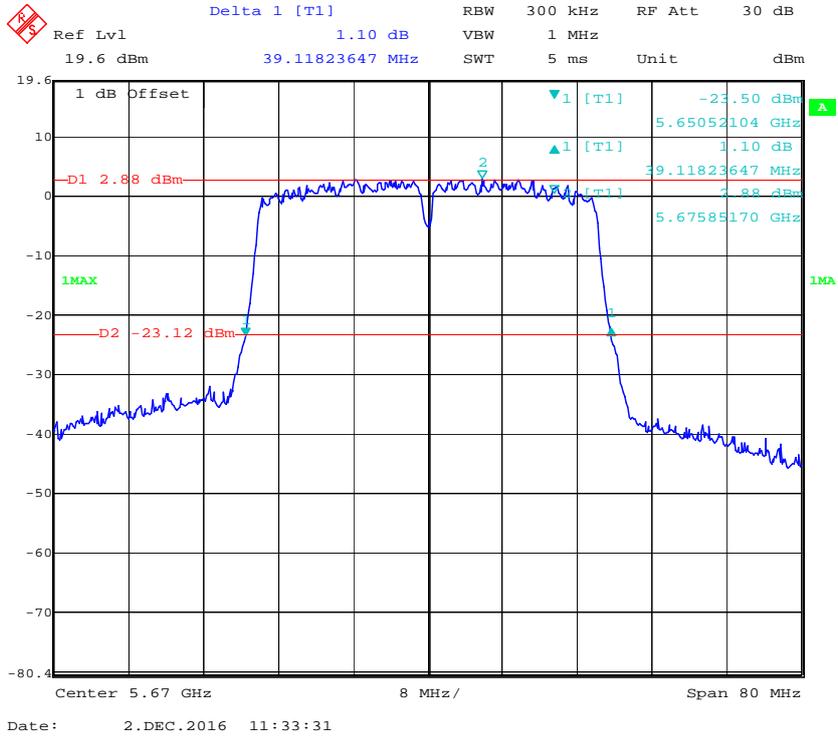
802.11n ht40 5510MHz



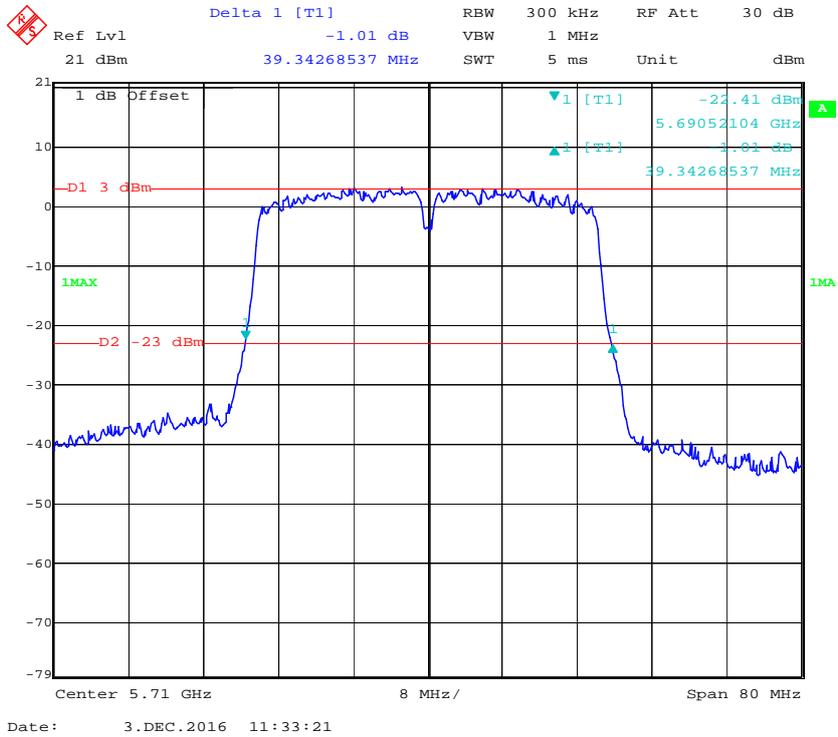
802.11n ht40 5590MHz



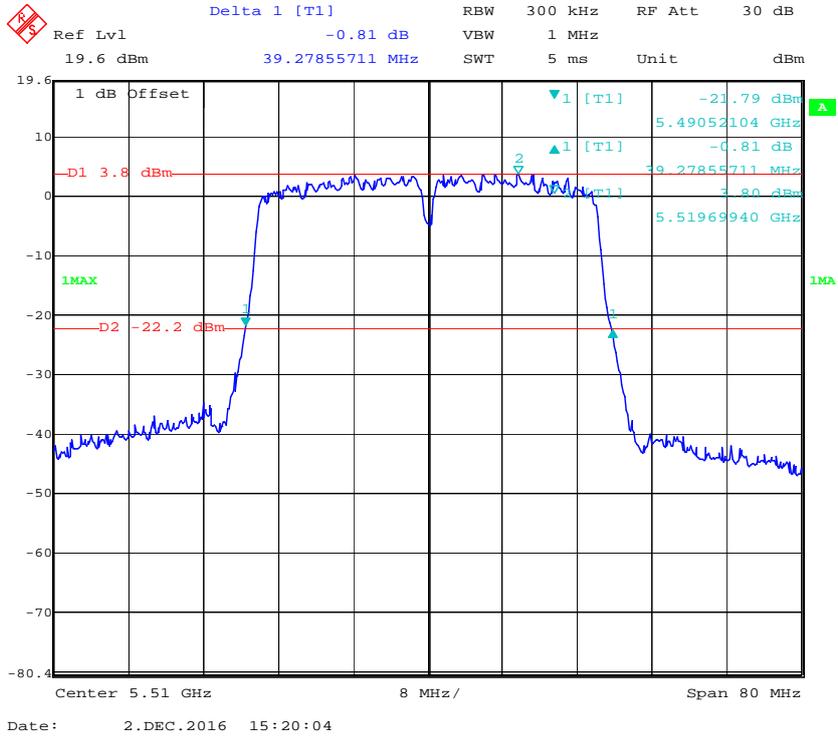
802.11n ht40 5670MHz



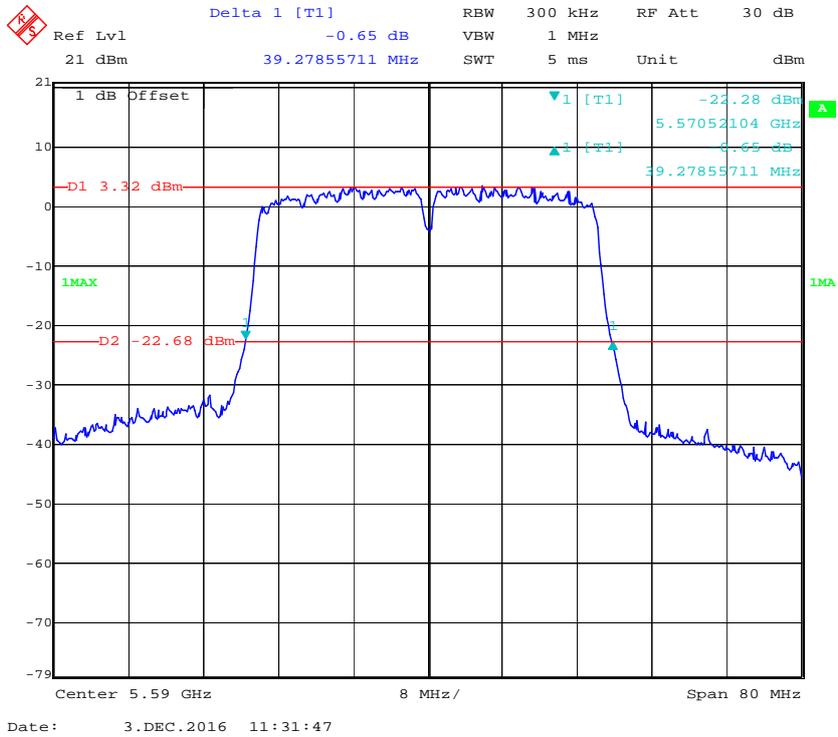
802.11n ht40 5710MHz



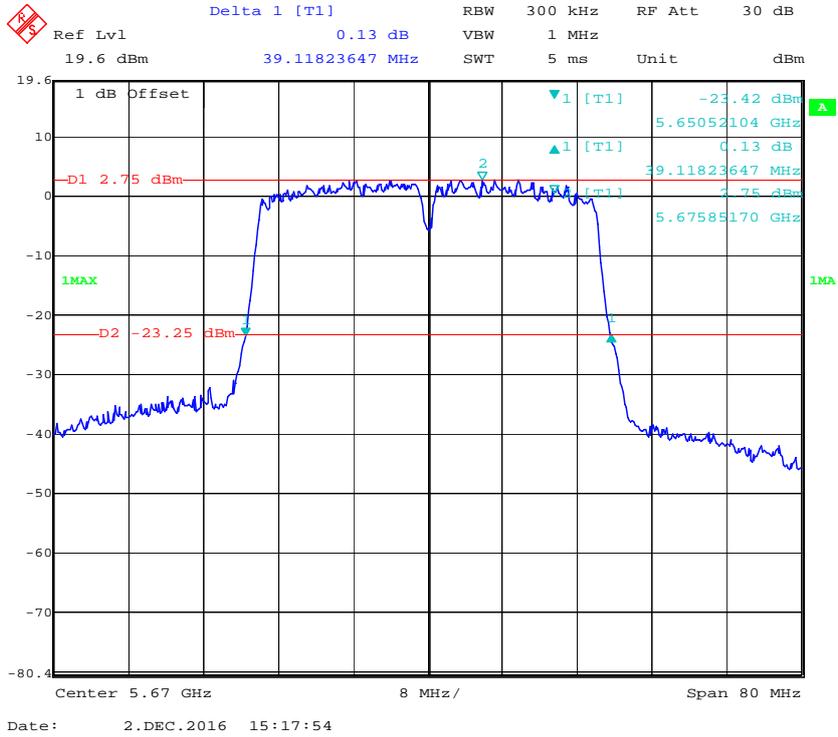
802.11 ac40 5510MHz



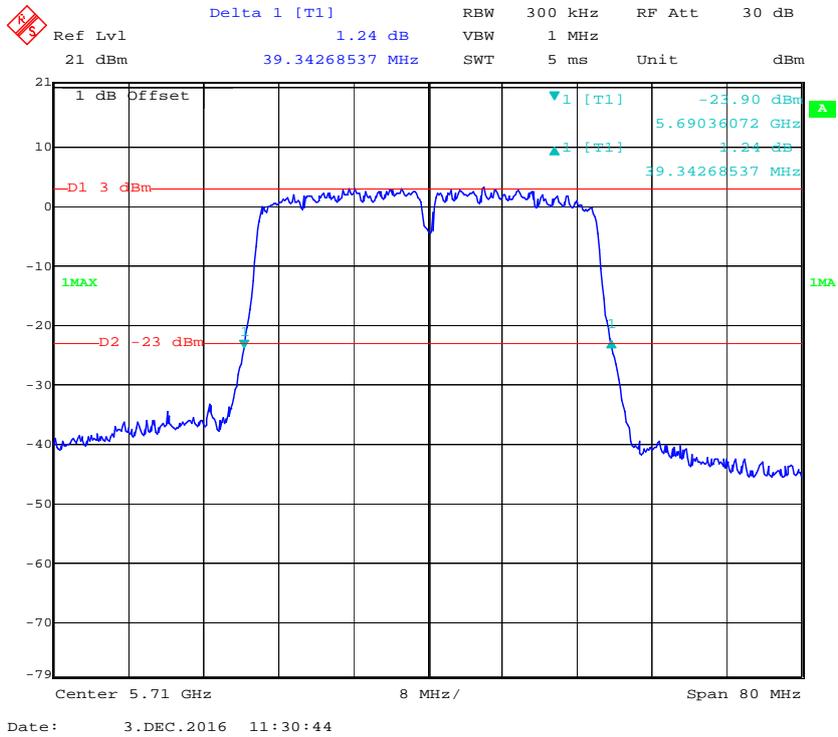
802.11 ac40 5590MHz



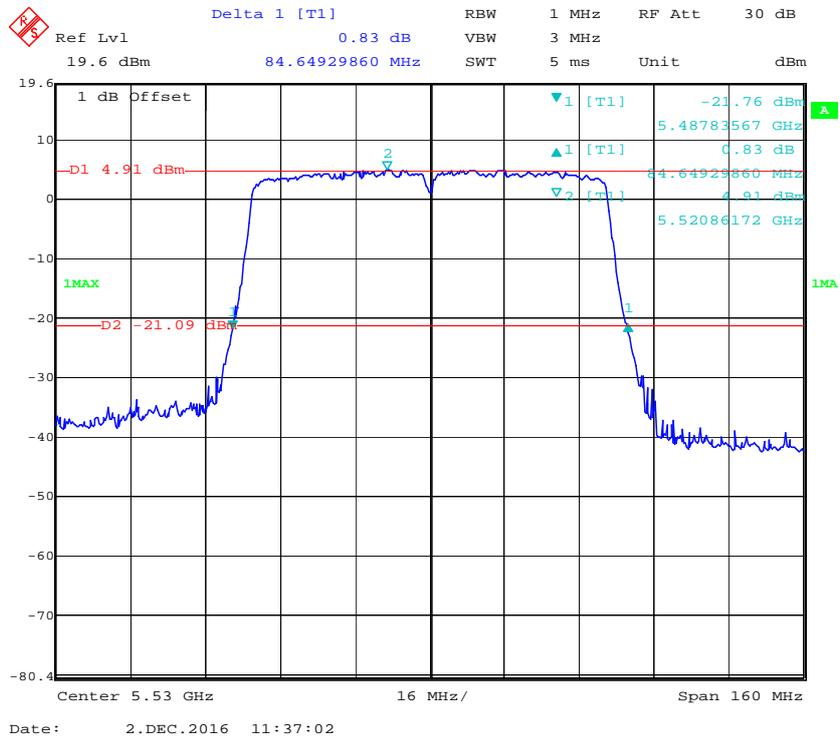
802.11 ac40 5670MHz



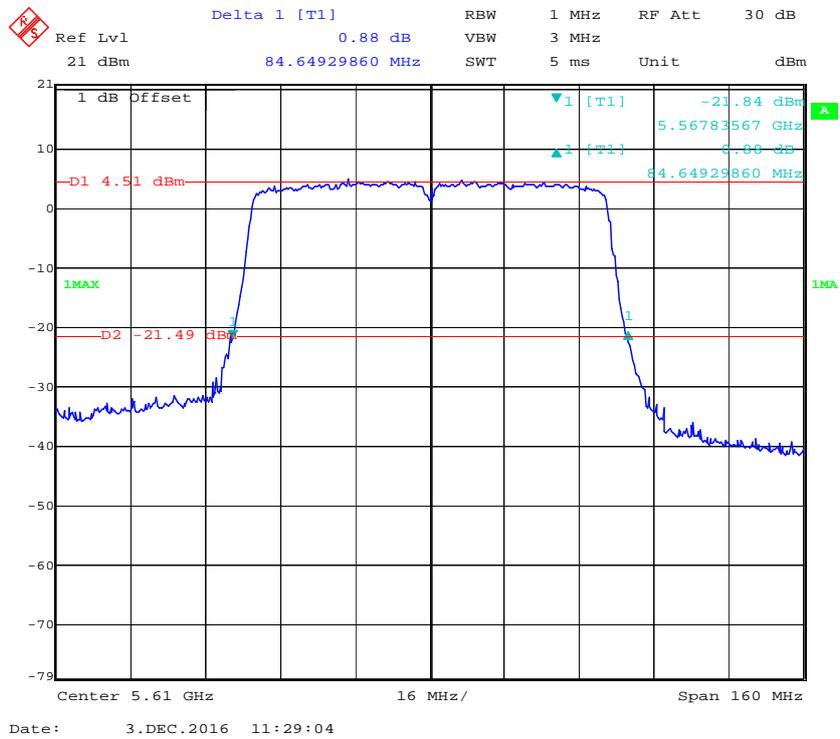
802.11 ac40 5710MHz



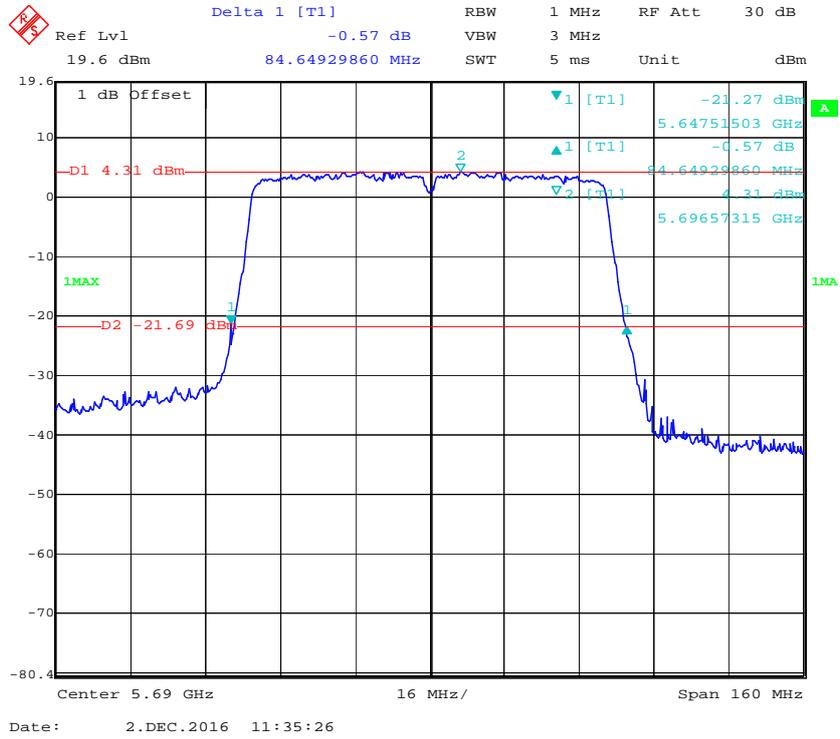
### 802.11 ac80 5530MHz



### 802.11 ac80 5610MHz

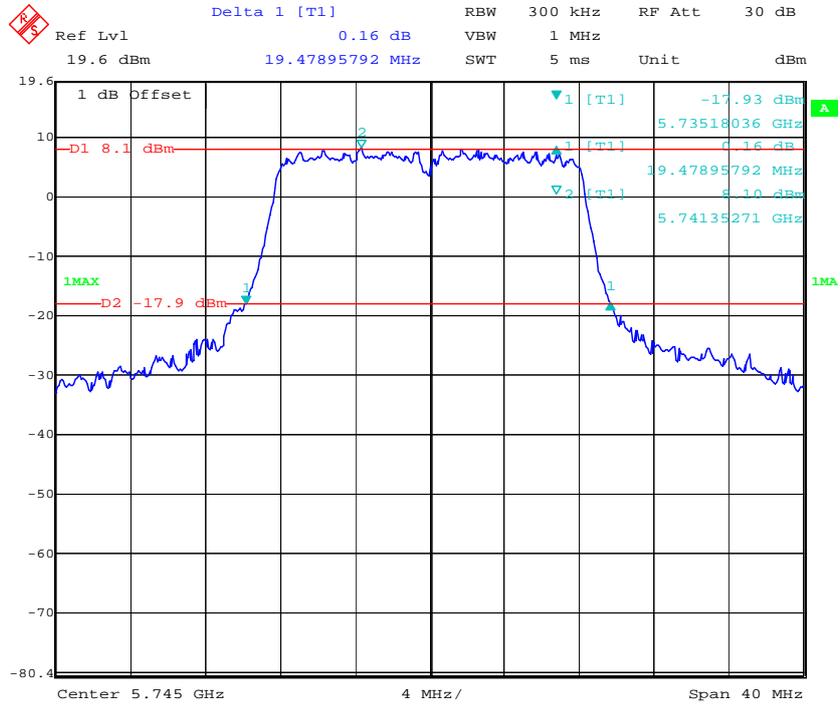


802.11 ac80 5690MHz

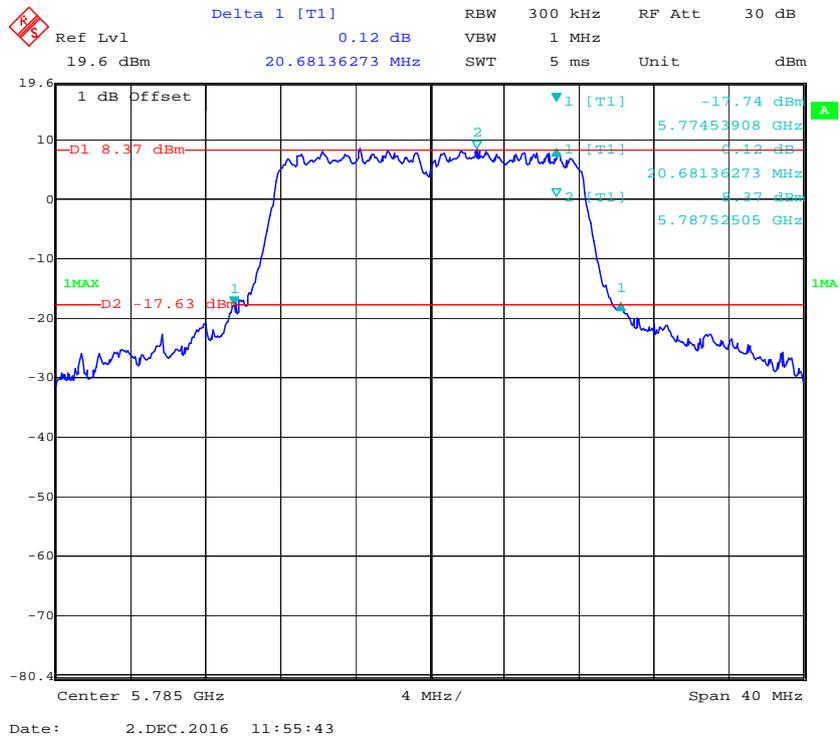


5725-5850MHz

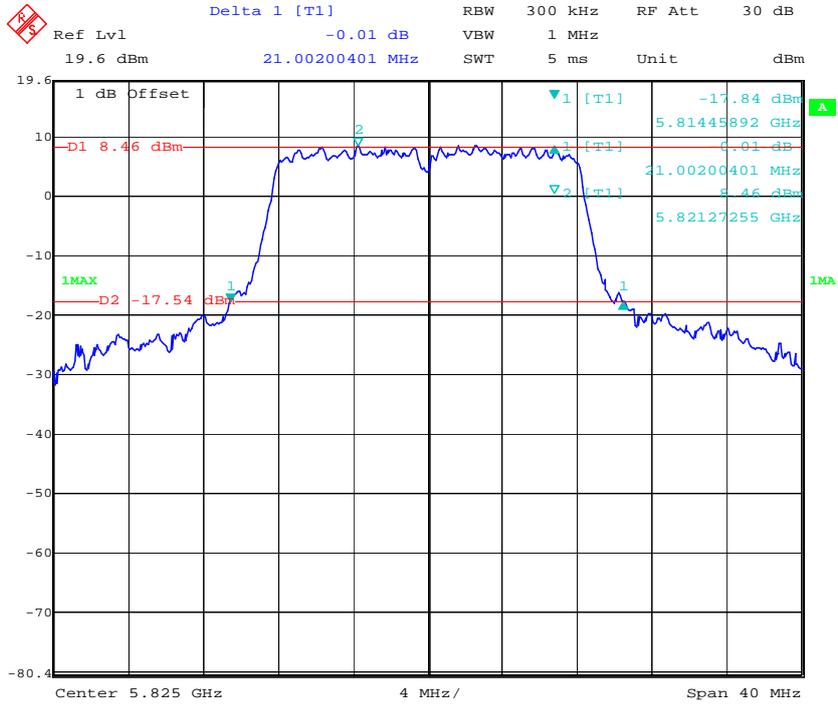
802.11a Low Channel



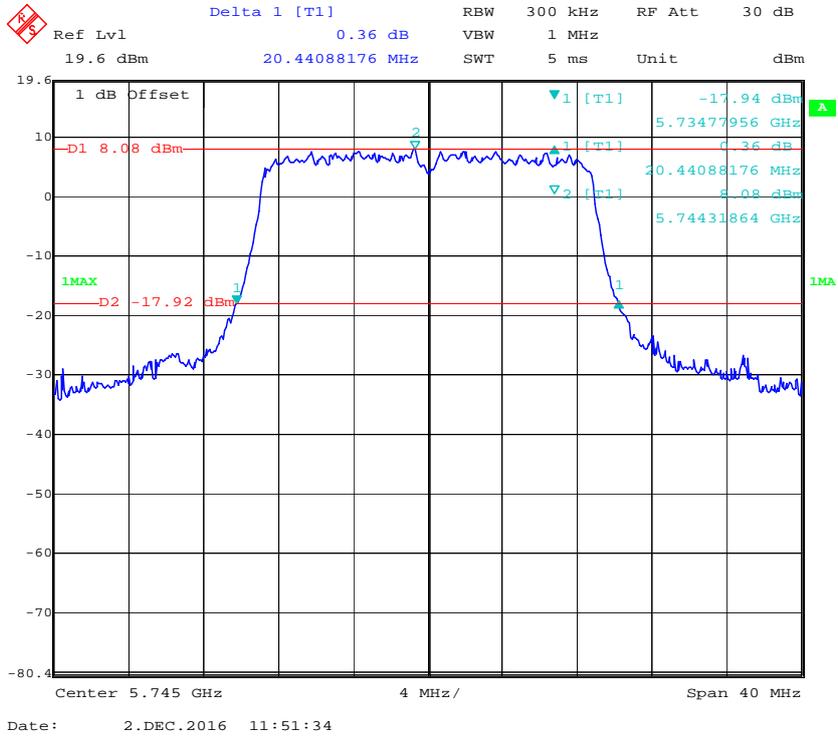
802.11a Middle Channel



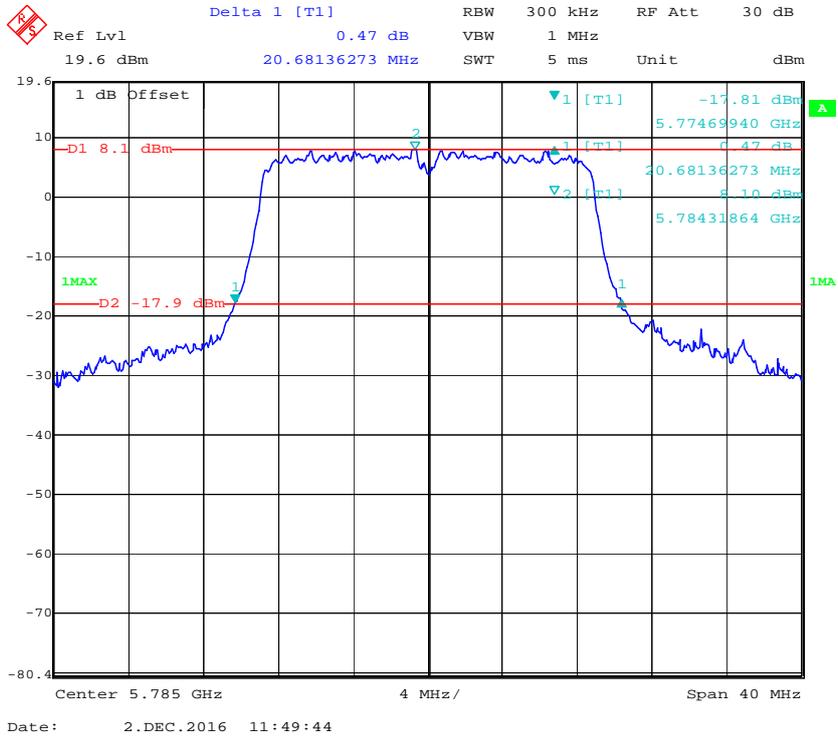
### 802.11a High Channel



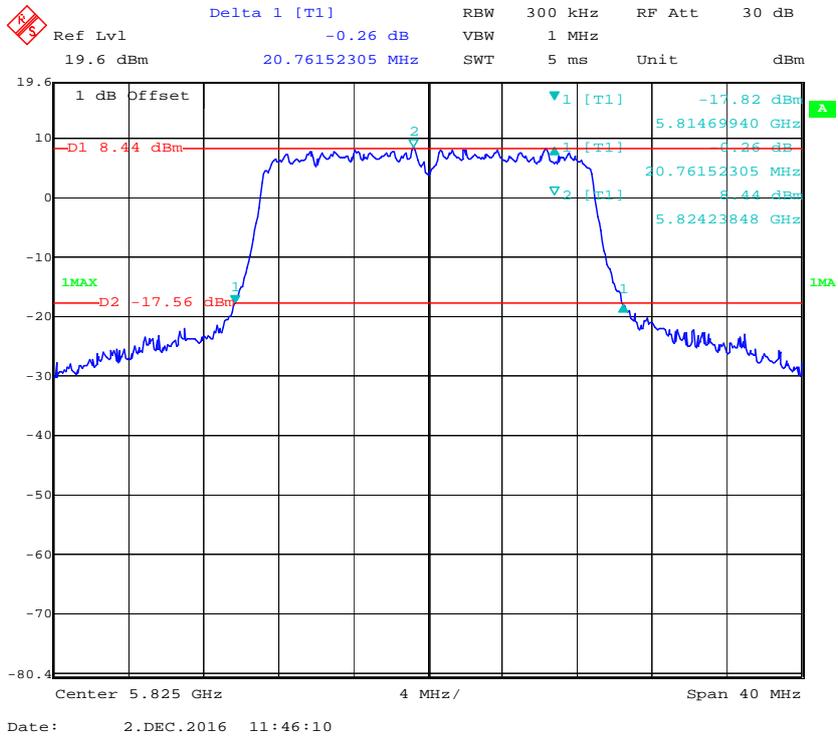
### 802.11n ht20 Low Channel



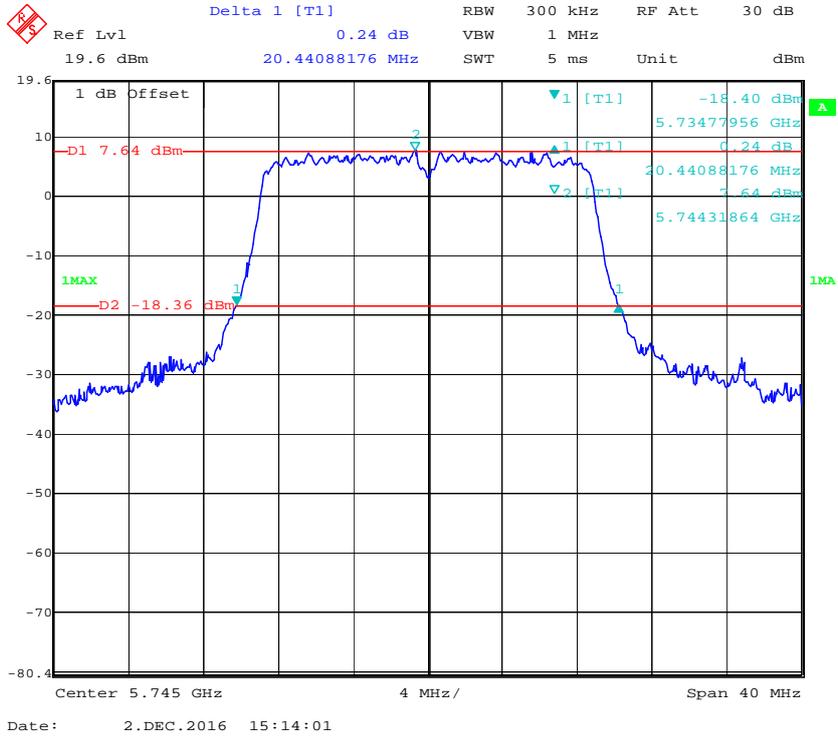
### 802.11n ht20 Middle Channel



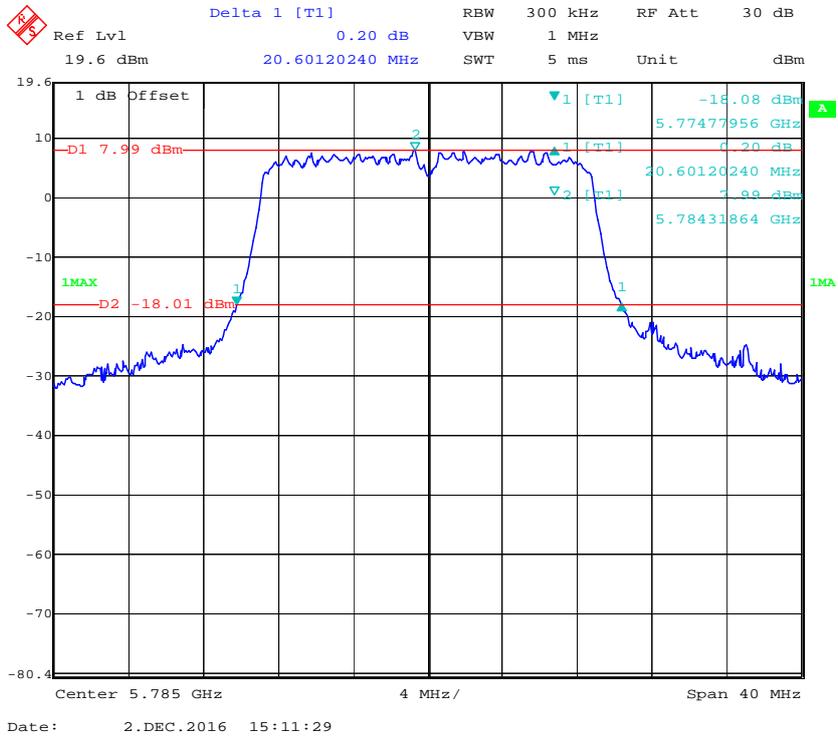
### 802.11n ht20 High Channel



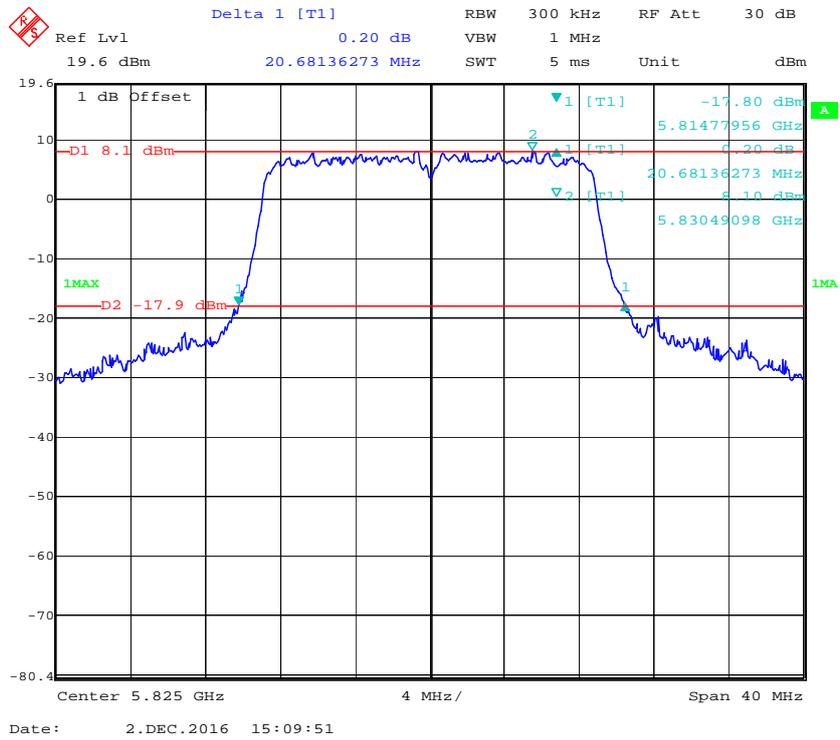
### 802.11 ac20 Low Channel



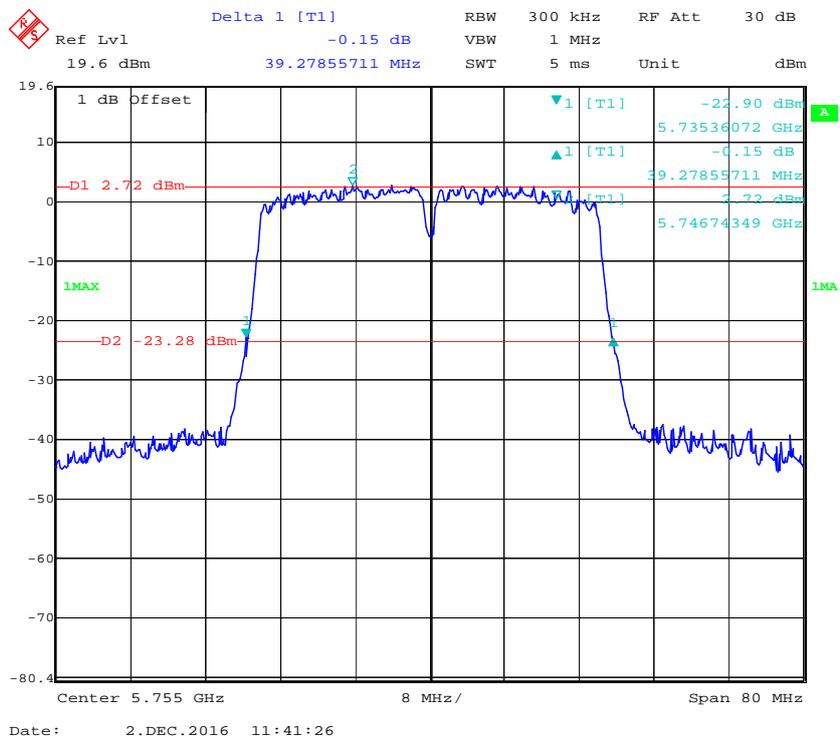
### 802.11 ac20 Middle Channel



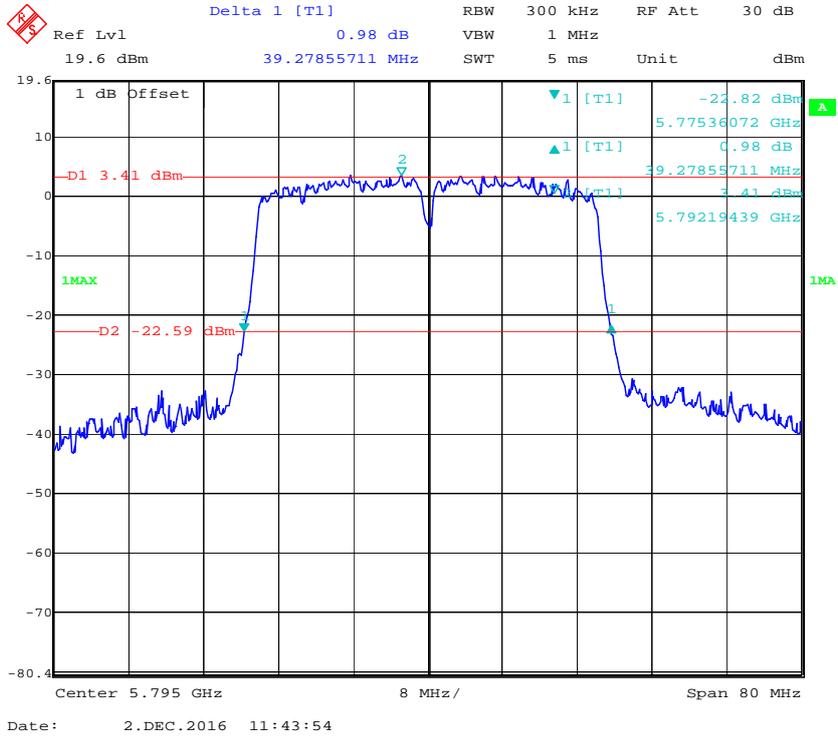
### 802.11 ac20 High Channel



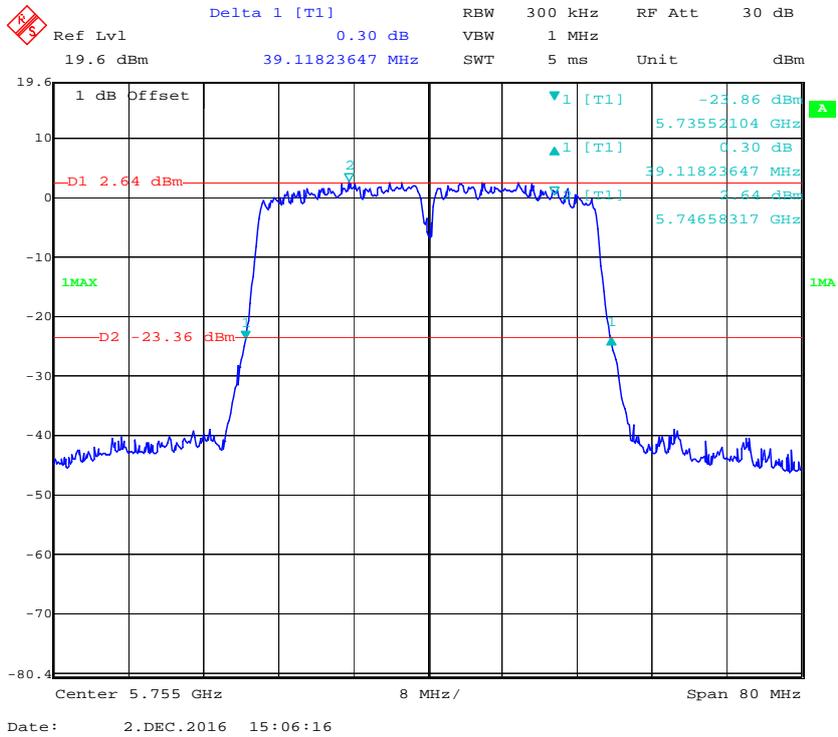
### 802.11n ht40 Low Channel



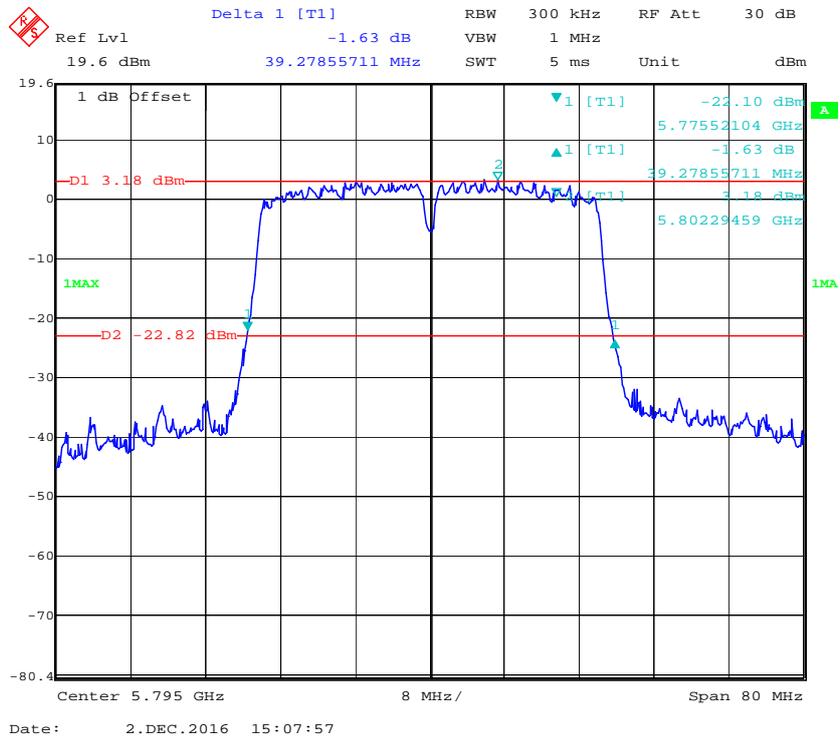
### 802.11n ht40 High Channel



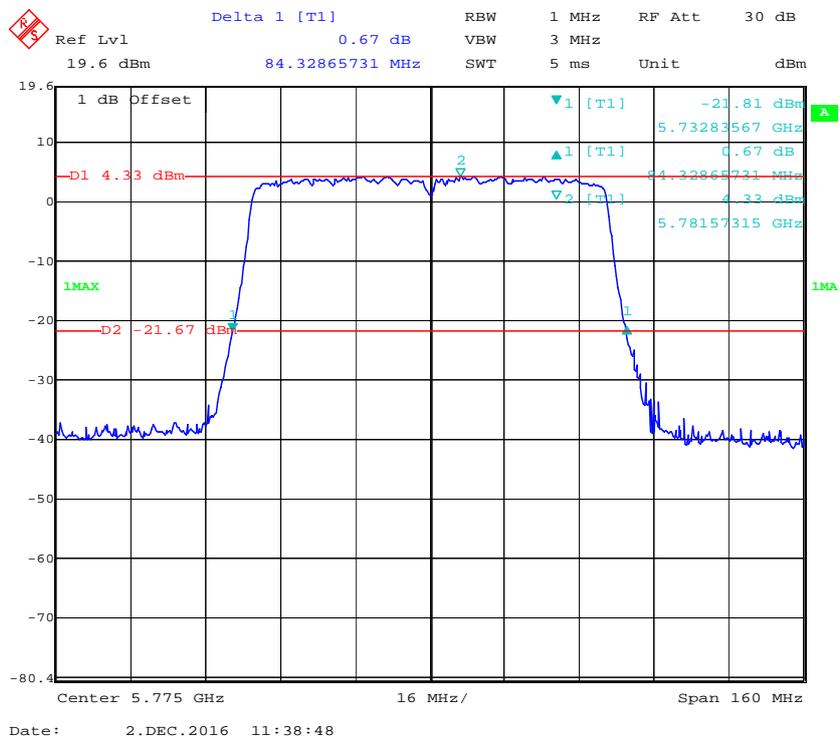
### 802.11 ac40 Low Channel



### 802.11 ac40 High Channel

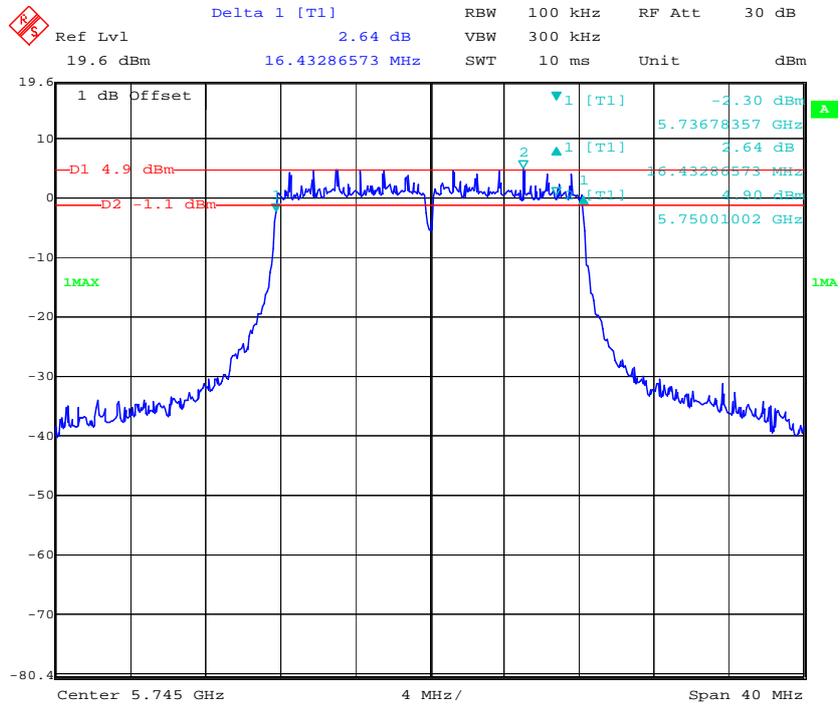


### 802.11ac80 Middle Channel

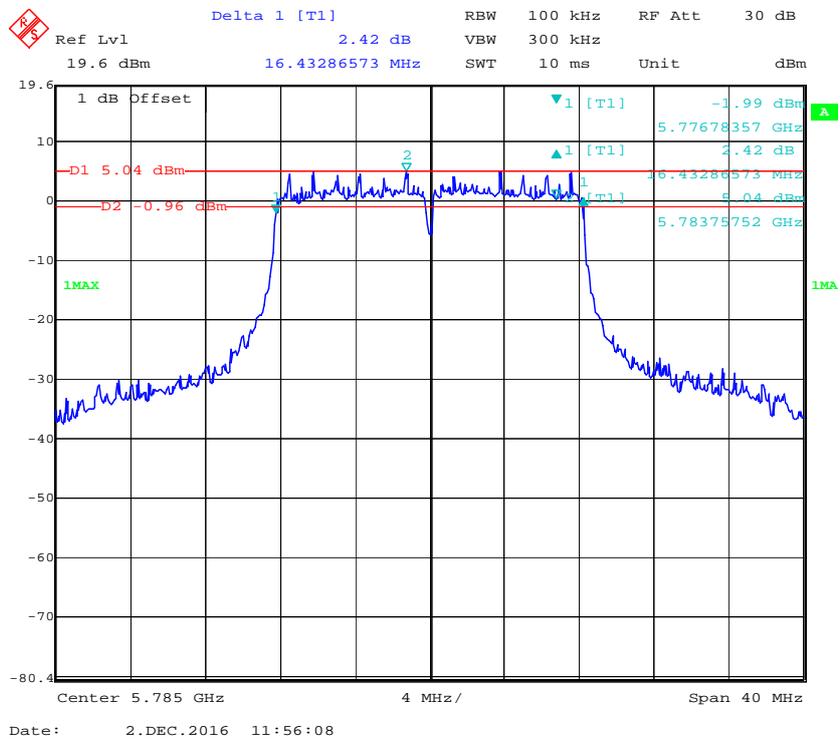


6dB Bandwidth:

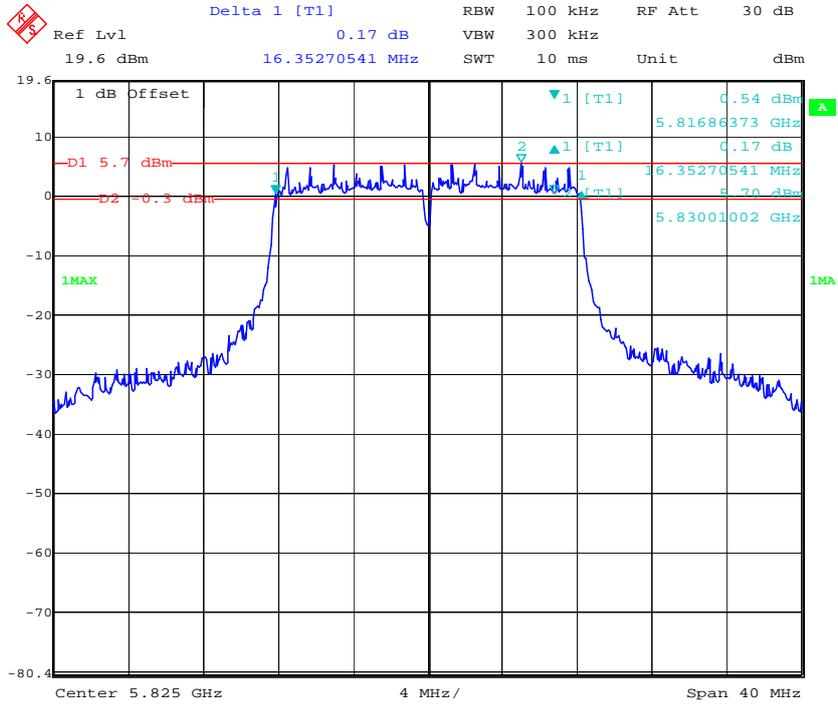
### 802.11a Low Channel



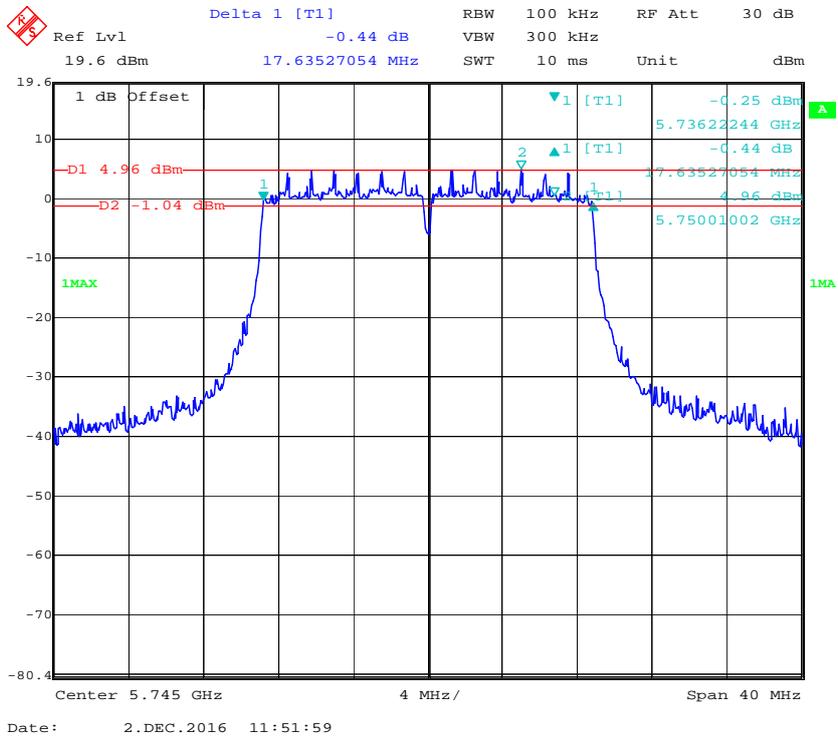
### 802.11a Middle Channel



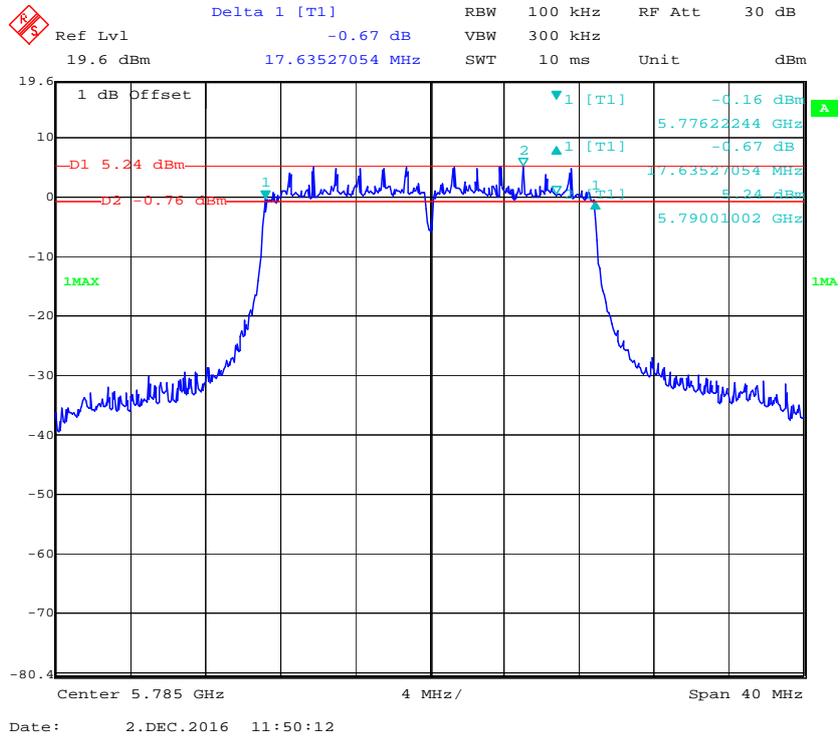
### 802.11a High Channel



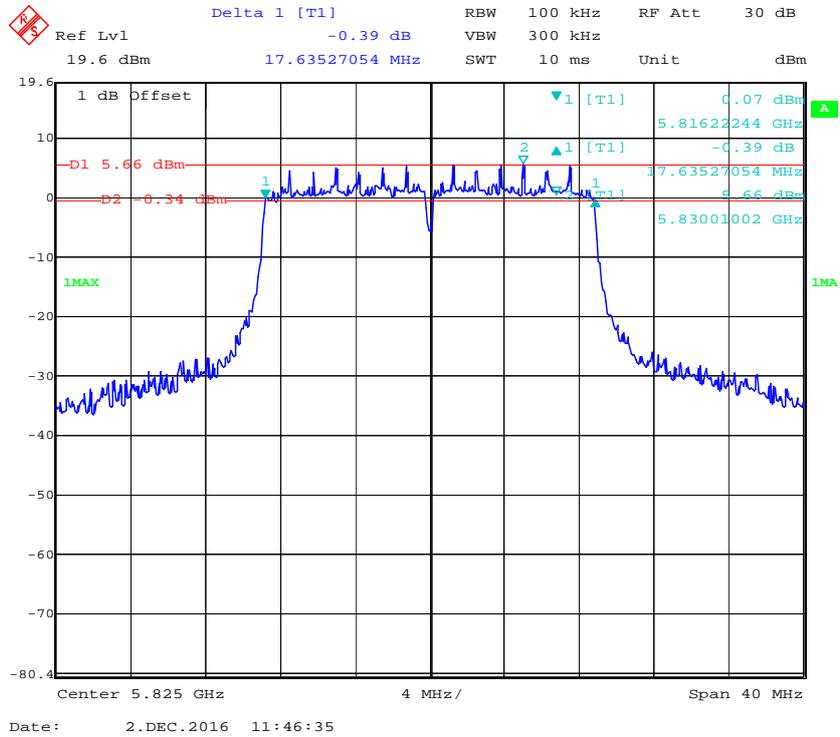
### 802.11n ht20 Low Channel



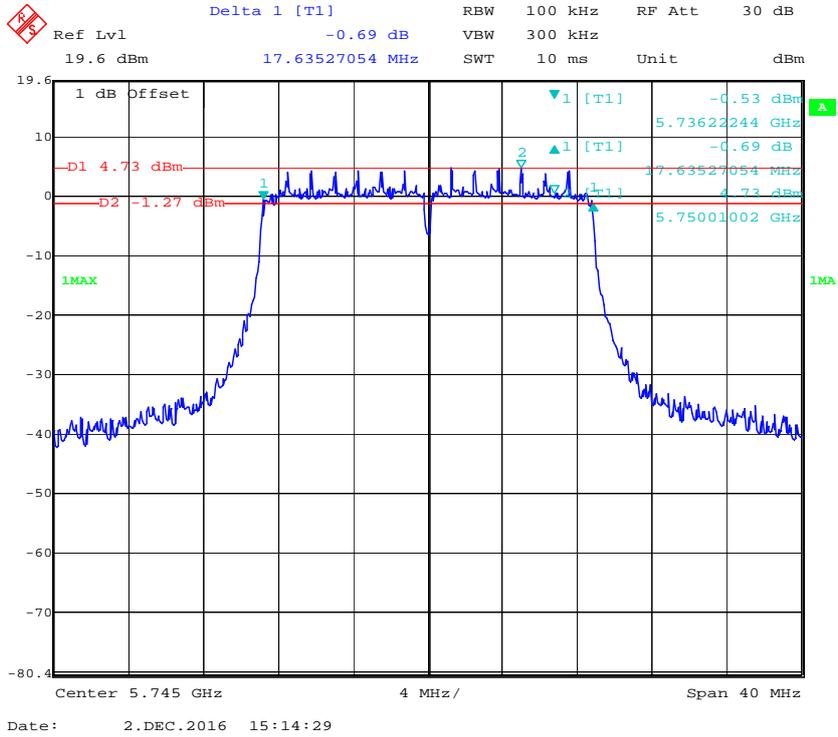
### 802.11n ht20 Middle Channel



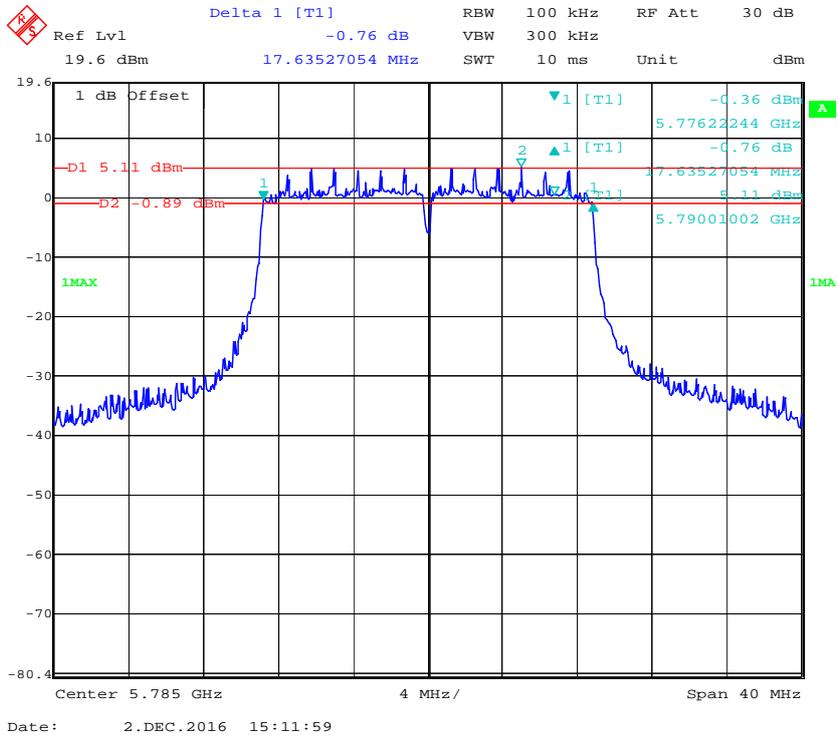
### 802.11n ht20 High Channel



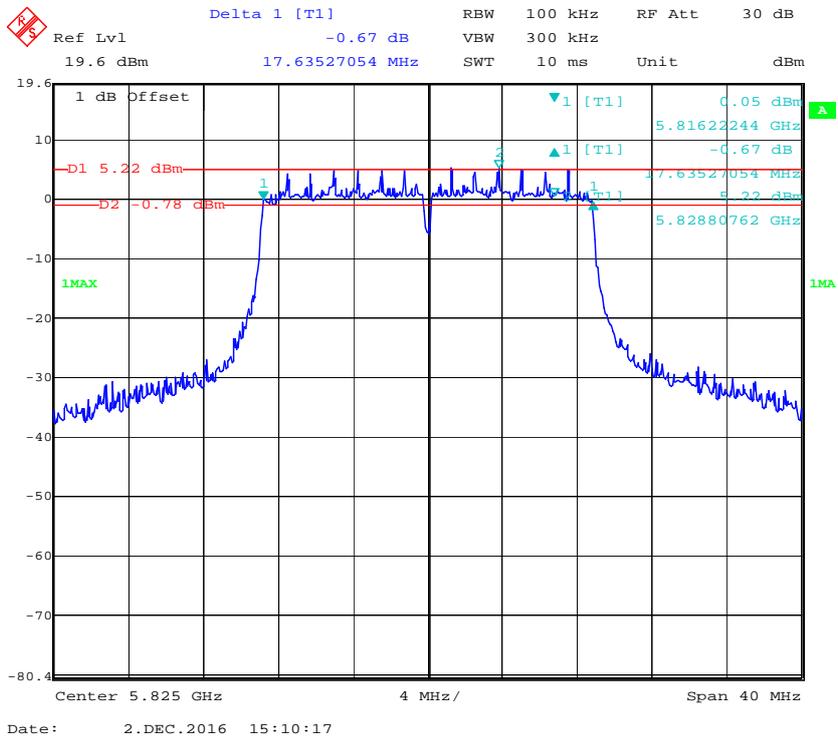
### 802.11 ac20 Low Channel



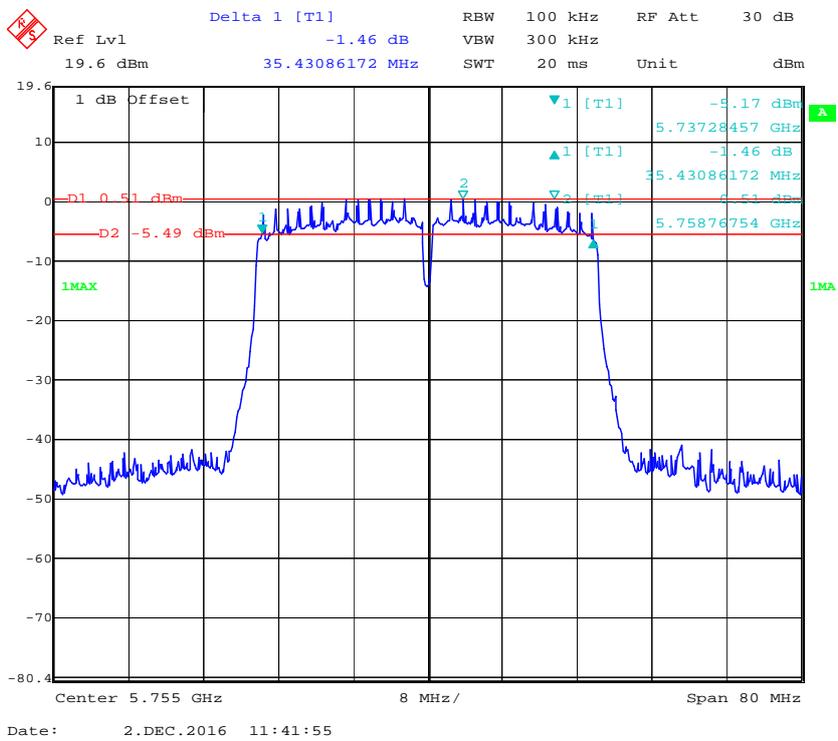
### 802.11 ac20 Middle Channel



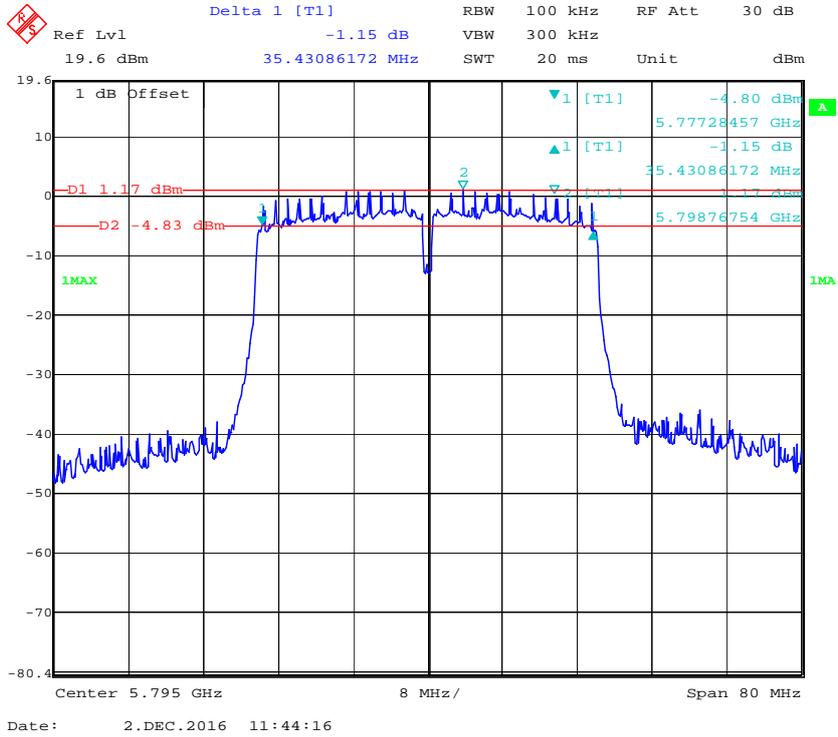
### 802.11 ac20 High Channel



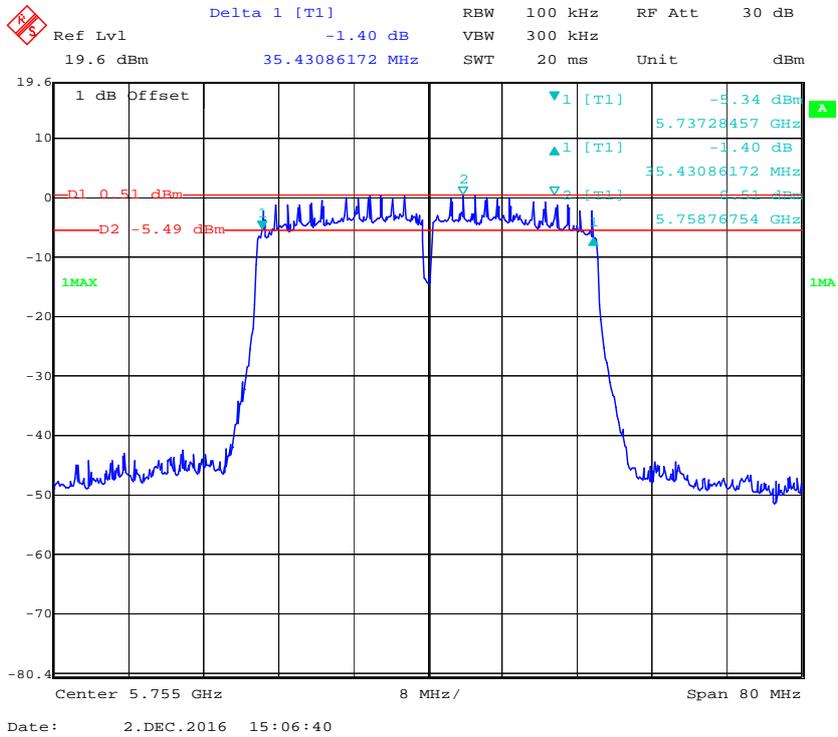
### 802.11n ht40 Low Channel



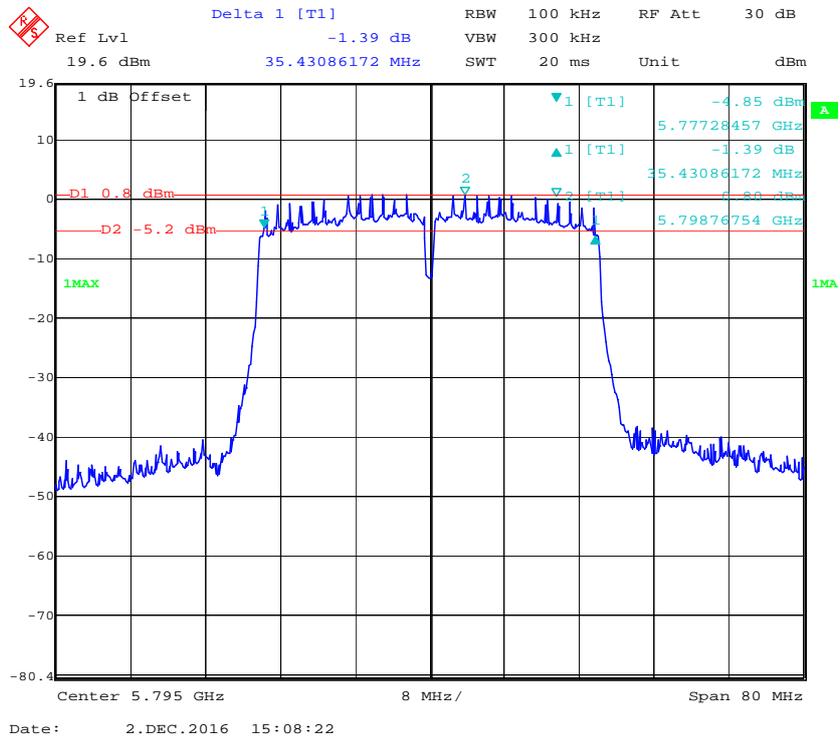
### 802.11n ht40 High Channel



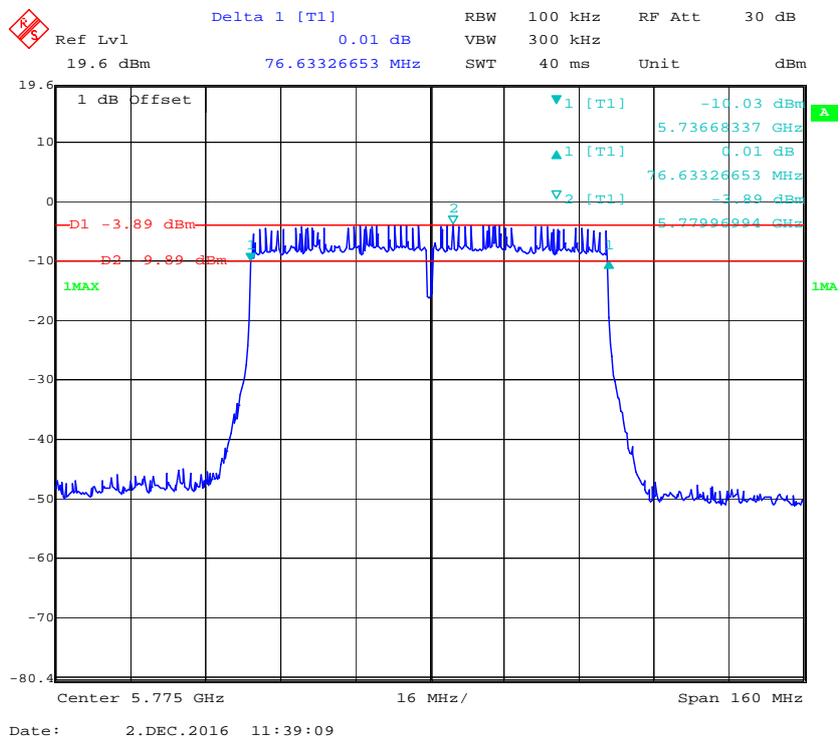
### 802.11 ac40 Low Channel



### 802.11 ac40 High Channel



### 802.11n ac80 Middle Channel



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

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### **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	MY54170074	2016-01-03	2017-01-03
Agilent	P-Series Power Meter	N1912A	MY5000798	2016-01-03	2017-01-03
N/A	RF Cable	N/A	N/A	Each Time	/

\* **Statement of Traceability:** BACL (Chengdu) attested 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 v01r03

### Test Data

#### Environmental Conditions

Temperature:	26.7 °C
Relative Humidity:	36%
ATM Pressure:	101.5 kPa

*The testing was performed by Lorin Bian on 2016-12-02.*

Test Mode: Transmitting

Note: duty cycle factor was added in the result

1TX:

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power(dBm)		Limit (dBm)	Result
				Chain 0	Chain 1		
5150-5250MHz	802.11 a	Low	5180	16.44	15.88	30	PASS
		Middle	5200	16.36	16.06	30	PASS
		High	5240	16.45	15.86	30	PASS
	802.11 n20	Low	5180	16.52	16.39	30	PASS
		Middle	5200	16.38	16.29	30	PASS
		High	5240	16.39	15.87	30	PASS
	802.11 ac20	Low	5180	16.63	16.27	30	PASS
		Middle	5200	16.58	16.18	30	PASS
		High	5240	16.52	15.97	30	PASS
	802.11 n40	Low	5190	14.88	14.31	30	PASS
		High	5230	14.86	14.44	30	PASS
	802.11 ac40	Low	5190	14.77	14.37	30	PASS
High		5230	14.83	14.45	30	PASS	
802.11 ac80	Middle	5210	13.23	13.38	30	PASS	
5250-5350MHz	802.11 a	Low	5260	16.21	15.64	23.93	PASS
		Middle	5280	16.15	15.75	23.90	PASS
		High	5320	15.72	15.85	23.91	PASS
	802.11 n20	Low	5260	16.24	15.66	24	PASS
		Middle	5280	16.16	15.74	24	PASS
		High	5320	15.71	15.86	24	PASS
	802.11 ac20	Low	5260	16.21	15.69	24	PASS
		Middle	5280	16.17	15.74	24	PASS
		High	5320	15.74	15.86	24	PASS
	802.11 n40	Low	5270	14.95	14.18	24	PASS
		High	5310	14.68	14.02	24	PASS
	802.11 ac40	Low	5270	14.87	14.28	24	PASS
		High	5310	14.45	14.36	24	PASS
	802.11 ac80	Middle	5290	13.62	12.97	24	PASS

Note: For 802.11a in 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power limit is 11 dBm+10 log B, where B is the 26 dB emission bandwidth in megahertz.

UNII Band	Mode	Channel	Frequency(MHz)	RMS Channel Power (dBm)		Limit (dBm)	Result
				Chain 0	Chain 1		
5470-5725MHz	802.11 a	Low	5500	16.01	16.09	23.91	PASS
		Middle	5600	15.96	16.32	23.91	PASS
		High	5700	16.11	16.19	23.90	PASS
		Crossed	5720	16.09	16.18	23.94	PASS
	802.11 n20	Low	5500	16.04	16.11	24	PASS
		Middle	5600	15.96	16.32	24	PASS
		High	5700	16.12	16.21	24	PASS
		Crossed	5720	16.12	16.19	24	PASS
	802.11 ac20	Low	5500	16.03	16.1	24	PASS
		Middle	5600	15.97	16.33	24	PASS
		High	5700	16.12	16.2	24	PASS
		Crossed	5720	16.1	16.18	24	PASS
	802.11 n40	Low	5510	14.57	14.33	24	PASS
		Middle	5590	14.77	14.5	24	PASS
		High	5670	14.66	14.28	24	PASS
		Crossed	5710	14.76	14.87	24	PASS
	802.11 ac40	Low	5510	14.84	14.88	24	PASS
		Middle	5590	14.63	14.47	24	PASS
		High	5670	14.78	14.65	24	PASS
		Crossed	5710	14.78	14.57	24	PASS
	802.11 ac80	Low	5530	13.39	12.9	24	PASS
		High	5610	13.23	13.16	24	PASS
		Crossed	5690	13.29	13.31	24	PASS

Note 1: For 802.11a in 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power limit is  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz.

Note 2: For cross channels, the maximum test result meets the requirements of 5470-5725MHz, which is stricter than the requirements of 5725-5850MHz band.

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power (dBm)		Limit (dBm)	Result
				Chain 0	Chain 1		
5725-5850MHz	802.11 a	Low	5745	16.59	16.8	30	PASS
		Middle	5785	16.74	16.76	30	PASS
		High	5825	16.65	16.82	30	PASS
	802.11 n20	Low	5745	16.6	16.82	30	PASS
		Middle	5785	16.72	16.79	30	PASS
		High	5825	16.69	16.82	30	PASS
	802.11 ac20	Low	5745	16.61	16.81	30	PASS
		Middle	5785	16.67	16.79	30	PASS
		High	5825	16.68	16.84	30	PASS
	802.11 n40	Low	5755	14.8	14.97	30	PASS
		High	5795	15.16	15	30	PASS
	802.11 ac40	Low	5755	14.78	14.99	30	PASS
		High	5795	15.15	14.97	30	PASS
	802.11 ac80	Middle	5775	13.55	13.61	30	PASS

**2TX, Non-Beamforming:**

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power (dBm)		Total (dBm)	Limit (dBm)	Result
				Chain 0	Chain 1			
5150-5250MHz	802.11 a	Low	5180	16.33	15.87	19.12	30	PASS
		Middle	5200	16.27	15.89	19.09	30	PASS
		High	5240	16.38	15.64	19.04	30	PASS
	802.11 n20	Low	5180	16.37	16.04	19.22	30	PASS
		Middle	5200	16.29	16	19.16	30	PASS
		High	5240	16.36	15.77	19.09	30	PASS
	802.11 ac20	Low	5180	16.37	15.99	19.19	30	PASS
		Middle	5200	16.31	16.02	19.18	30	PASS
		High	5240	16.37	15.76	19.09	30	PASS
	802.11 n40	Low	5190	14.54	14.13	17.35	30	PASS
		High	5230	14.56	13.94	17.27	30	PASS
	802.11 ac40	Low	5190	14.55	14.12	17.35	30	PASS
High		5230	14.54	13.94	17.26	30	PASS	
802.11 ac80	Middle	5210	13.1	12.79	15.96	30	PASS	
5250-5350MHz	802.11 a	Low	5260	14.38	13.55	17	23.93	PASS
		Middle	5280	14.28	13.65	16.99	23.90	PASS
		High	5320	13.96	13.89	16.94	23.91	PASS
	802.11 n20	Low	5260	15.37	14.74	18.08	24	PASS
		Middle	5280	15.28	14.84	18.08	24	PASS
		High	5320	14.77	14.97	17.88	24	PASS
	802.11 ac20	Low	5260	15.36	14.74	18.07	24	PASS
		Middle	5280	15.26	14.84	18.07	24	PASS
		High	5320	14.77	14.98	17.89	24	PASS
	802.11 n40	Low	5270	14.64	14.01	17.35	24	PASS
		High	5310	14.33	13.01	16.73	24	PASS
	802.11 ac40	Low	5270	14.6	13.98	17.31	24	PASS
		High	5310	14.32	13.98	17.16	24	PASS
	802.11 ac80	Middle	5290	13.16	12.69	15.94	24	PASS

Note: For 802.11a in 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power limit is 11 dBm+10 log B, where B is the 26 dB emission bandwidth in megahertz.

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power (dBm)		Total (dBm)	Limit (dBm)	Result
				Chain 0	Chain 1			
5470-5725MHz	802.11 a	Low	5500	14.1	13.88	17	23.91	PASS
		Middle	5600	14.06	14.08	17.08	23.91	PASS
		High	5700	14.1	14.08	17.1	23.90	PASS
		Crossed	5720	14.09	14.15	17.13	23.94	PASS
	5G 802.11 n20	Low	5500	14.07	13.81	16.95	24	PASS
		Middle	5600	14.06	14.19	17.14	24	PASS
		High	5700	14.08	14.34	17.22	24	PASS
		Crossed	5720	14.07	14.41	17.25	24	PASS
	5G 802.11 ac20	Low	5500	14.06	13.8	16.94	24	PASS
		Middle	5600	14.1	14.18	17.15	24	PASS
		High	5700	14.09	14.4	17.26	24	PASS
		Crossed	5720	14.06	14.44	17.26	24	PASS
	5G 802.11 n40	Low	5510	14.4	14.16	17.29	24	PASS
		Middle	5590	14.4	14.3	17.36	24	PASS
		High	5670	14.37	14.26	17.33	24	PASS
		Crossed	5710	14.41	14.35	17.39	24	PASS
	5G 802.11 ac40	Low	5510	14.38	14.14	17.27	24	PASS
		Middle	5590	14.38	14.28	17.34	24	PASS
		High	5670	14.34	14.23	17.3	24	PASS
		Crossed	5710	14.4	14.34	17.38	24	PASS
	802.11 ac80	Low	5530	13.01	12.69	15.86	24	PASS
		High	5610	12.94	13.03	16	24	PASS
		Crossed	5690	13.08	13.01	16.06	24	PASS

Note 1: the device is a indoor master device. the 2 antenna maximum antenna gains are 5.4dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 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 = 5.4dBi < 6dBi

For 802.11a in 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power limit is 11 dBm+10 log B, where B is the 26 dB emission bandwidth in megahertz.

Note 2: For cross channels, the maximum test result meets the requirements of 5470-5725MHz, which is stricter than the requirements of 5725-5850MHz band,

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power (dBm)		Total (dBm)	Limit (dBm)	Result
				Chain 0	Chain 1			
5725-5850MHz	802.11 a	Low	5745	16.17	16.38	19.29	30	PASS
		Middle	5785	16.31	16.42	19.38	30	PASS
		High	5825	16.2	16.38	19.3	30	PASS
	802.11 n20	Low	5745	16.18	16.66	19.44	30	PASS
		Middle	5785	16.28	16.62	19.46	30	PASS
		High	5825	16.14	16.62	19.4	30	PASS
	802.11 ac20	Low	5745	16.17	16.65	19.43	30	PASS
		Middle	5785	16.27	16.63	19.46	30	PASS
		High	5825	16.17	16.6	19.4	30	PASS
	802.11 n40	Low	5755	14.38	14.61	17.51	30	PASS
		High	5795	14.73	14.58	17.67	30	PASS
	802.11 ac40	Low	5755	14.38	14.57	17.49	30	PASS
		High	5795	14.73	14.55	17.65	30	PASS
	802.11 ac80	Middle	5775	13.17	13.27	16.23	30	PASS

Note: the device is a indoor master device. the 2 antenna maximum antenna gains are 5.4dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 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 = 5.4dBi < 6dBi

**2TX, Beamforming:**

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power (dBm)		Total (dBm)	Limit (dBm)	Result
				Chain 0	Chain 1			
5150-5250MHz	802.11 n20	Low	5180	16.01	15.89	18.96	27.6	PASS
		Middle	5200	16.17	15.75	18.98	27.6	PASS
		High	5240	16.12	15.58	18.87	27.6	PASS
	802.11 ac20	Low	5180	16.04	15.47	18.77	27.6	PASS
		Middle	5200	16.12	15.87	19.01	27.6	PASS
		High	5240	16.14	15.36	18.78	27.6	PASS
	802.11 n40	Low	5190	14.33	13.87	17.12	27.6	PASS
		High	5230	14.35	13.58	16.99	27.6	PASS
	802.11 ac40	Low	5190	14.36	14.02	17.2	27.6	PASS
		High	5230	14.36	13.84	17.12	27.6	PASS
802.11 ac80	Middle	5210	12.89	12.77	15.84	27.6	PASS	
5250-5350MHz	802.11 n20	Low	5260	15.25	14.65	17.97	21.53	PASS
		Middle	5280	15.02	14.74	17.89	21.5	PASS
		High	5320	14.64	14.57	17.62	21.51	PASS
	802.11 ac20	Low	5260	15.24	14.61	17.95	21.6	PASS
		Middle	5280	15.11	14.21	17.69	21.6	PASS
		High	5320	14.67	14.85	17.77	21.6	PASS
	802.11 n40	Low	5270	14.52	13.88	17.22	21.6	PASS
		High	5310	14.33	12.87	16.67	21.6	PASS
	802.11 ac40	Low	5270	14.58	13.74	17.19	21.6	PASS
		High	5310	14.25	13.54	16.92	21.6	PASS
	802.11 ac80	Middle	5290	13.11	12.22	15.7	21.6	PASS

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power (dBm)		Total (dBm)	Limit (dBm)	Result
				Chain 0	Chain 1			
5470-5725MHz	802.11 n20	Low	5500	13.98	13.8	16.9	21.51	PASS
		Middle	5600	14.01	14.21	17.12	21.51	PASS
		High	5700	14.02	14.21	17.13	21.5	PASS
		Crossed	5720	14.01	14.11	17.07	21.54	PASS
	802.11 ac20	Low	5500	13.87	13.55	16.72	21.6	PASS
		Middle	5600	13.98	14.12	17.06	21.6	PASS
		High	5700	13.98	14.32	17.16	21.6	PASS
		Crossed	5720	14.22	14.02	17.13	21.6	PASS
	802.11 n40	Low	5510	14.2	14.2	17.21	21.6	PASS
		Middle	5590	14.05	14.32	17.2	21.6	PASS
		High	5670	14.21	14.02	17.13	21.6	PASS
		Crossed	5710	14.22	14.05	17.15	21.6	PASS
	5G 802.11 ac40	Low	5510	14.22	14.02	17.13	21.6	PASS
		Middle	5590	14.03	14.08	17.07	21.6	PASS
		High	5670	14.22	14.12	17.18	21.6	PASS
		Crossed	5710	14.1	14.25	17.19	21.6	PASS
	802.11 ac80	Low	5530	13.01	12.45	15.75	21.6	PASS
		High	5610	12.75	12.47	15.62	21.6	PASS
		Crossed	5690	12.87	12.87	15.88	21.6	PASS

Note 1: the device is a indoor master device. the 2 antenna maximum antenna gains are 5.4dBi, and employed beamforming for 802.11 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:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 5.4\text{dBi} + 10 \log(2) = 8.4\text{dBi} > 6\text{dBi}$$

For 802.11a in 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power limit is  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz.

Note 2: For cross channels, the maximum test result meets the requirements of 5470-5725MHz, which is stricter than the requirements of 5725-5850MHz band,

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power (dBm)		Total (dBm)	Limit (dBm)	Result
				Chain 0	Chain 1			
5725-5850MHz	802.11 n20	Low	5745	15.63	15.95	18.8	27.6	PASS
		Middle	5785	15.58	15.75	18.68	27.6	PASS
		High	5825	15.75	15.97	18.87	27.6	PASS
	802.11 ac20	Low	5745	15.98	15.85	18.93	27.6	PASS
		Middle	5785	15.87	15.77	18.83	27.6	PASS
		High	5825	16.08	15.74	18.92	27.6	PASS
	802.11 n40	Low	5755	13.95	13.97	16.97	27.6	PASS
		High	5795	14.63	13.77	17.23	27.6	PASS
	802.11 ac40	Low	5755	13.77	13.72	16.76	27.6	PASS
		High	5795	14.79	13.91	17.38	27.6	PASS
802.11 ac80	Middle	5775	13.04	12.74	15.9	27.6	PASS	

Note: the device is a indoor master device. the 2 antenna maximum antenna gains are 5.4dBi, and employed beamforming for 802.11 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:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 5.5\text{dBi} + 10 \log(2) = 8.4\text{dBi} > 6\text{dBi}$$

## **FCC §15.407(a) - POWER SPECTRAL DENSITY**

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### **Applicable Standard**

(a) Power limits:

(1) For the band 5.15-5.25 GHz.

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

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

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

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

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

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

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

### Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v01r03

### Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ26	831929/005	2016-09-21	2017-09-20
N/A	RF Cable	N/A	N/A	Each Time	/

\* **Statement of Traceability:** BACL (Chengdu) attested that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

### Test Data

#### Environmental Conditions

<b>Temperature:</b>	26.3~26.7 °C
<b>Relative Humidity:</b>	36~42 %
<b>ATM Pressure:</b>	101~101.5kPa

*The testing was performed by Lorin Bian from 2016-12-02 to 2016-12-03.*

*Test Mode: Transmitting*

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

5150-5250MHz(SISO mode was tested since SISO mode was the maximum power mode per chain, so combined the results were more than mode for both Beamforming and Non-Beamforming mode):

UNII Band	Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB)	Total (dBm/MHz)	Limit (dBm/MHz)
				Chain 0	Chain 1			
5150-5250MHz	802.11 a	Low	5180	6.66	5.19	0.22	9.22	14.6
		Middle	5200	6.81	5.36	0.22	9.38	14.6
		High	5240	7.03	5.55	0.22	9.58	14.6
	802.11 n20	Low	5180	6.77	5.31	0.22	9.33	14.6
		Middle	5200	6.61	5.24	0.22	9.21	14.6
		High	5240	6.98	5.22	0.22	9.42	14.6
	802.11 ac20	Low	5180	6.2	5.15	0.22	8.94	14.6
		Middle	5200	6.25	5.23	0.22	9.00	14.6
		High	5240	6.76	5.22	0.22	9.29	14.6
	802.11 n40	Low	5190	1.66	0.35	0.46	4.52	14.6
		High	5230	1.93	0.73	0.46	4.84	14.6
	802.11 ac40	Low	5190	1.71	0.3	0.51	4.58	14.6
		High	5230	1.61	0.35	0.51	4.55	14.6
	802.11 ac80	Middle	5210	-2.6	-3.98	0.76	0.53	14.6

Note: the device is a master device. the 2 antenna maximum antenna gain are 5.4dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

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

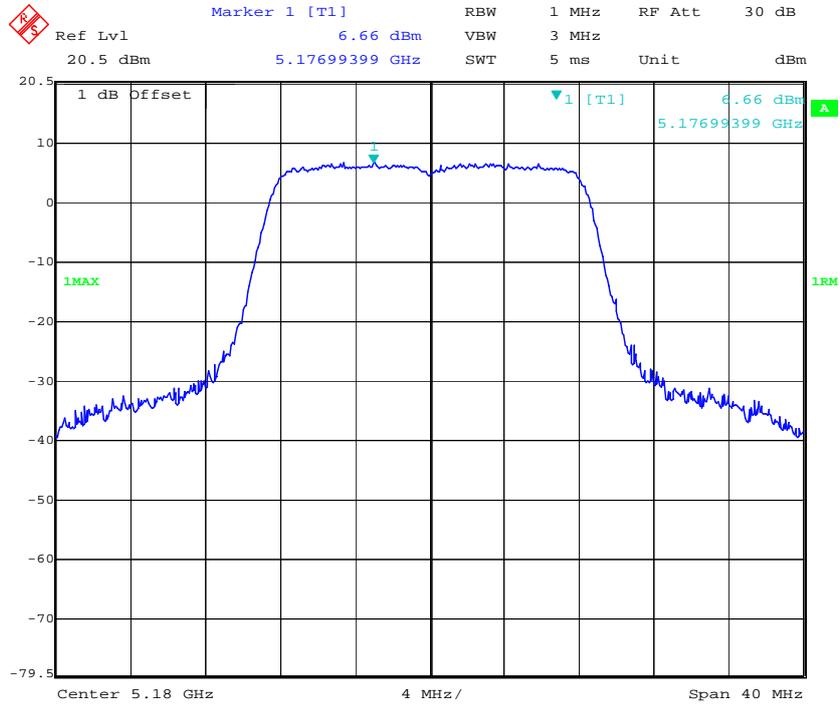
So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 5.4 + 10 \cdot \log(2) = 8.4 \text{ dBi} > 6 \text{ dBi}$$

The PSD limit should reduce 2.4dB.

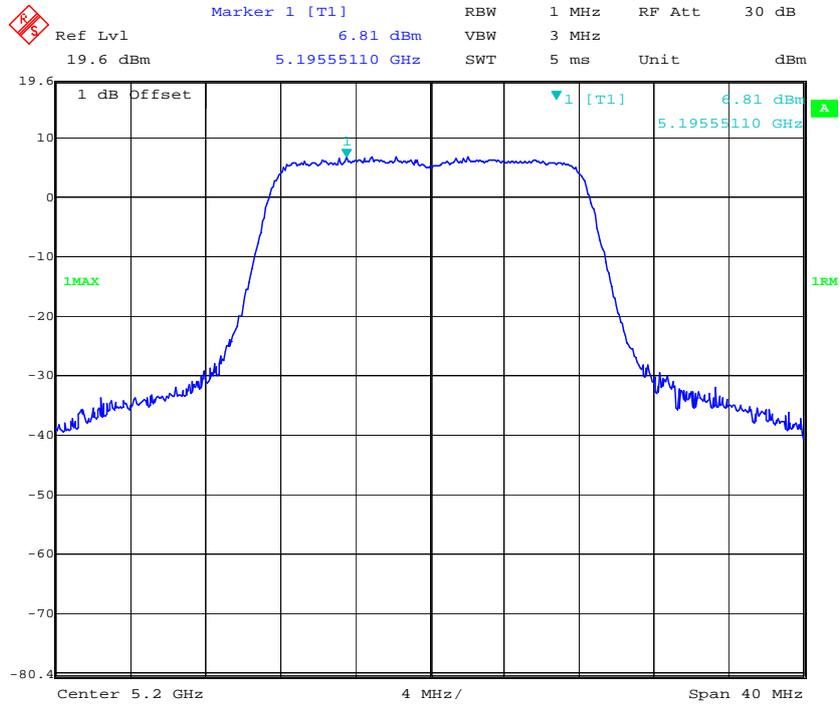
5150MHz-5250MHz:

### 802.11a Low Channel – Chain0



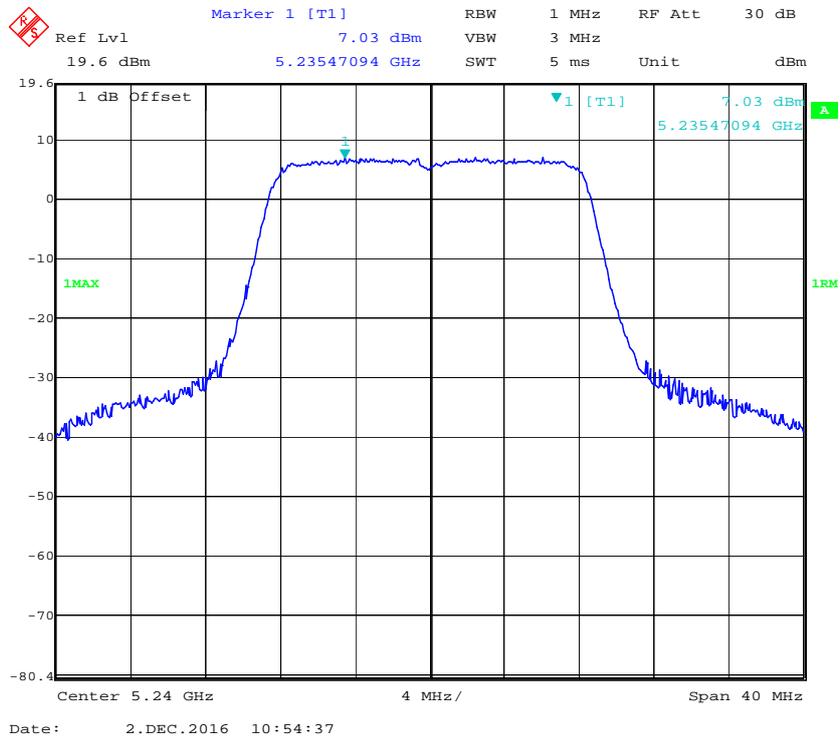
Date: 2.DEC.2016 10:50:21

### 802.11a Middle Channel – Chain0

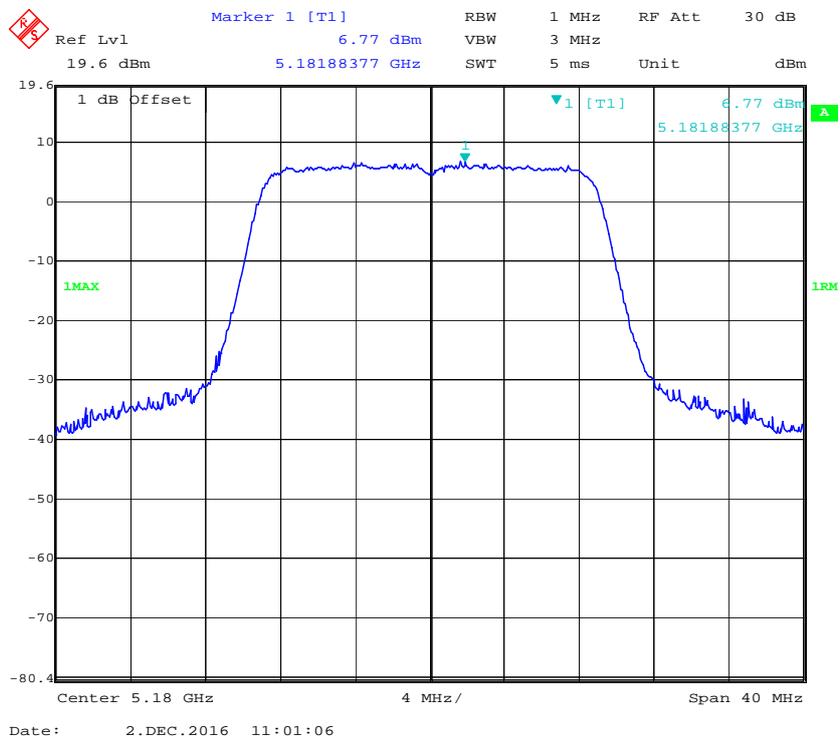


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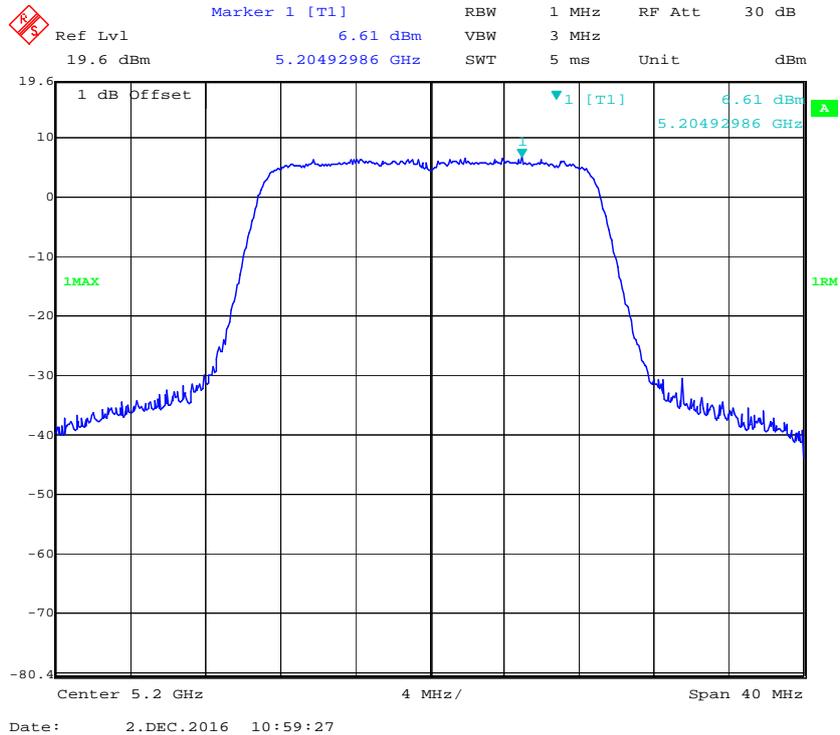
### 802.11a High Channel – Chain0



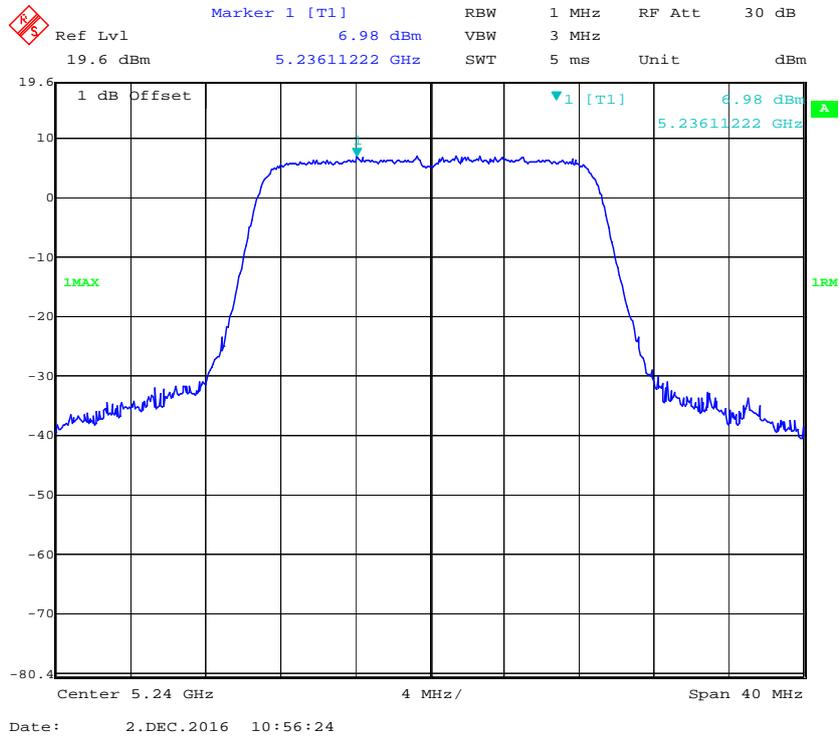
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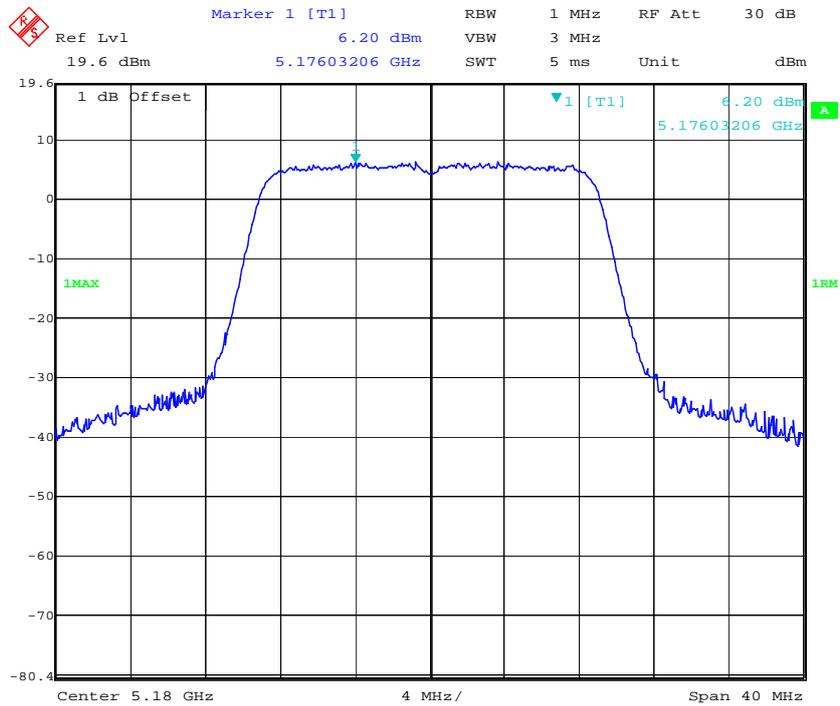
### 802.11n ht20 Middle Channel – Chain0



### 802.11n ht20 High Channel – Chain0

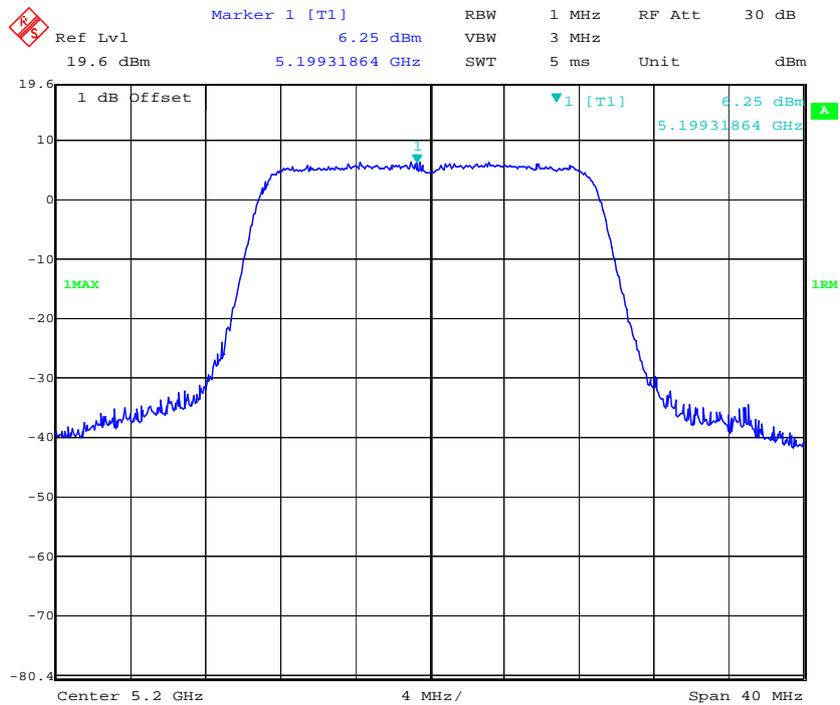


### 802.11 ac20 Low Channel – Chain0



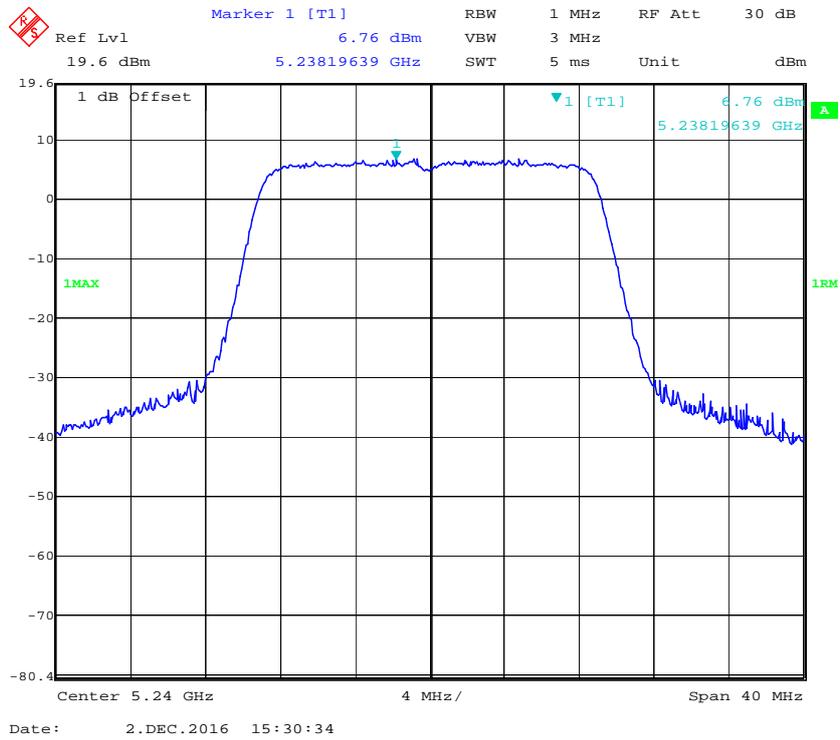
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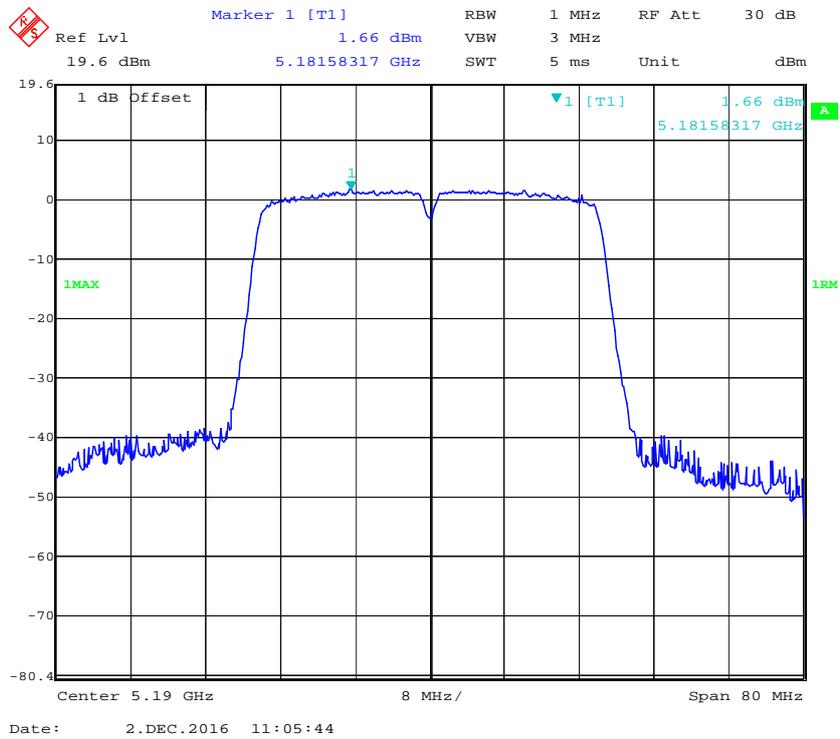


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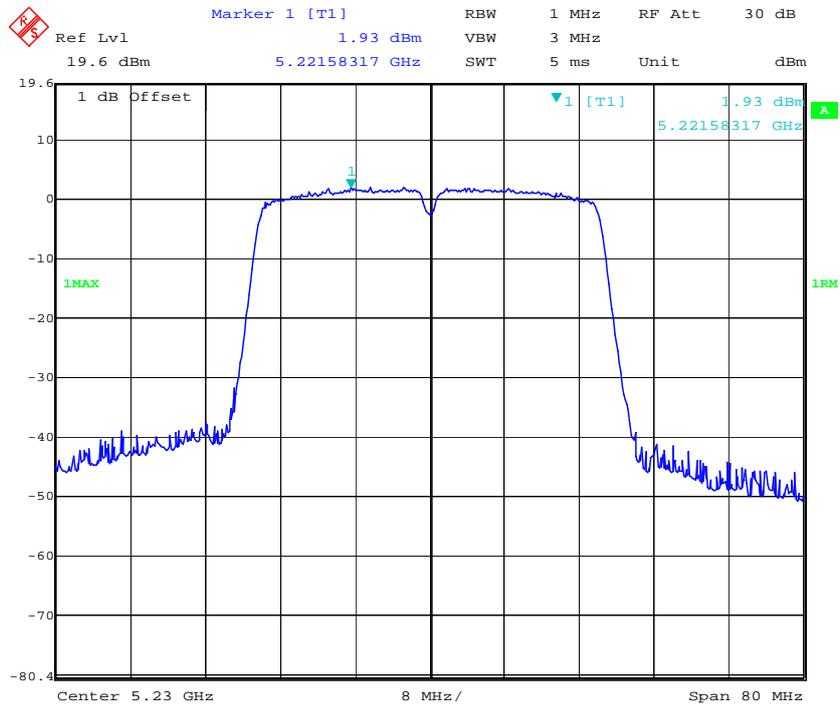
### 802.11 ac20 High Channel – Chain0



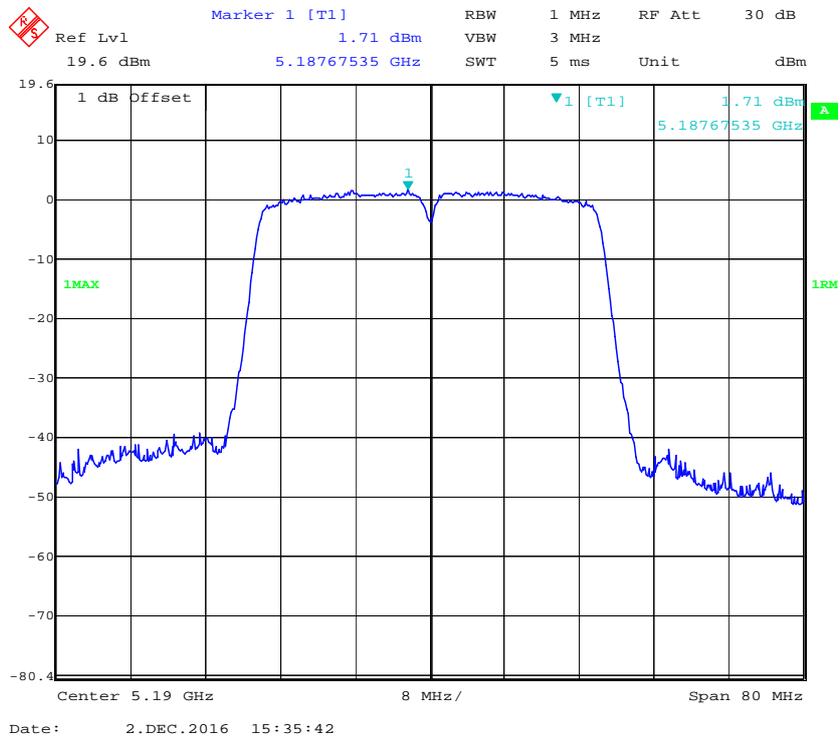
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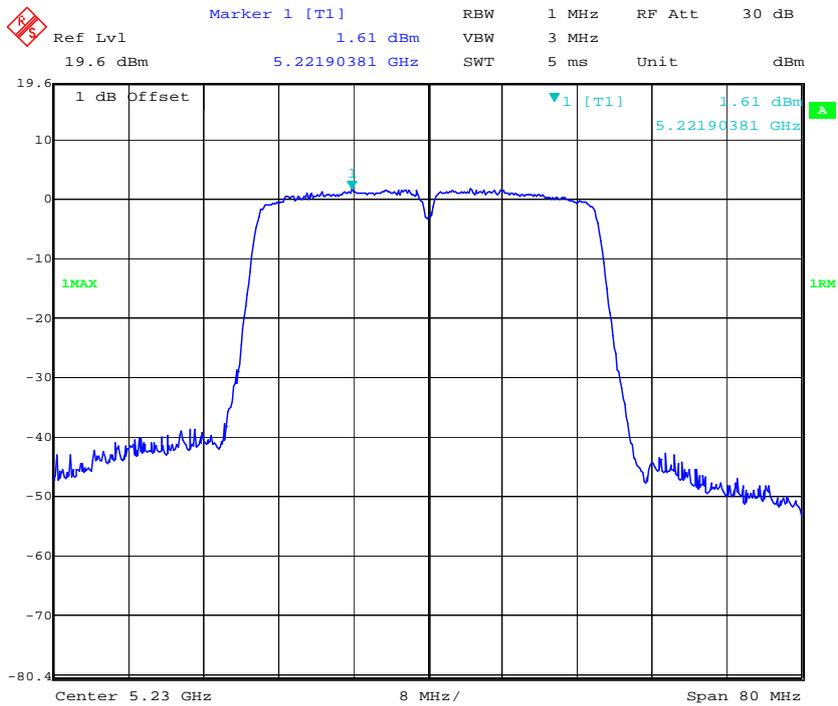
### 802.11n ht40 High Channel – Chain0



### 802.11 ac40 Low Channel – Chain0

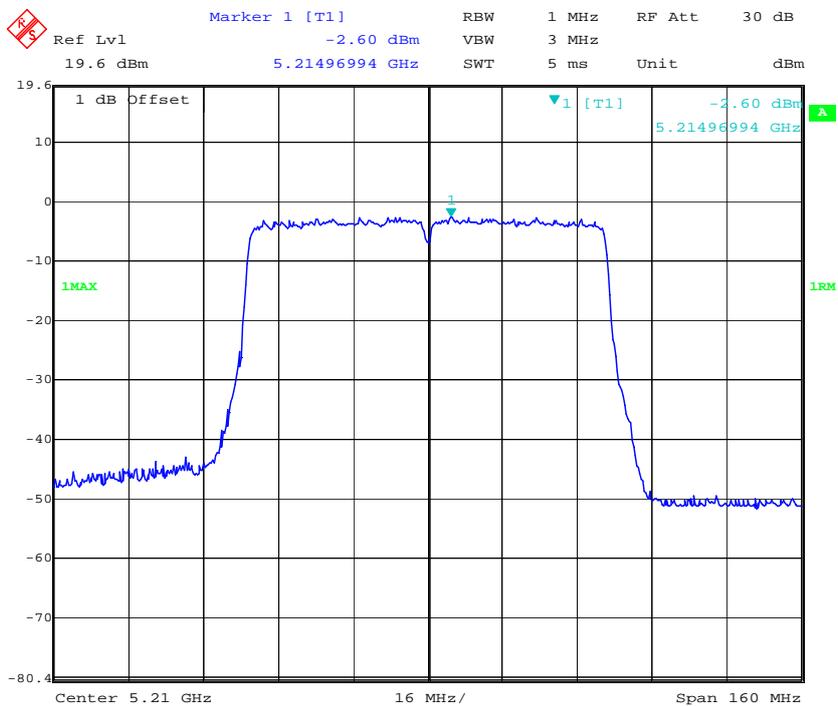


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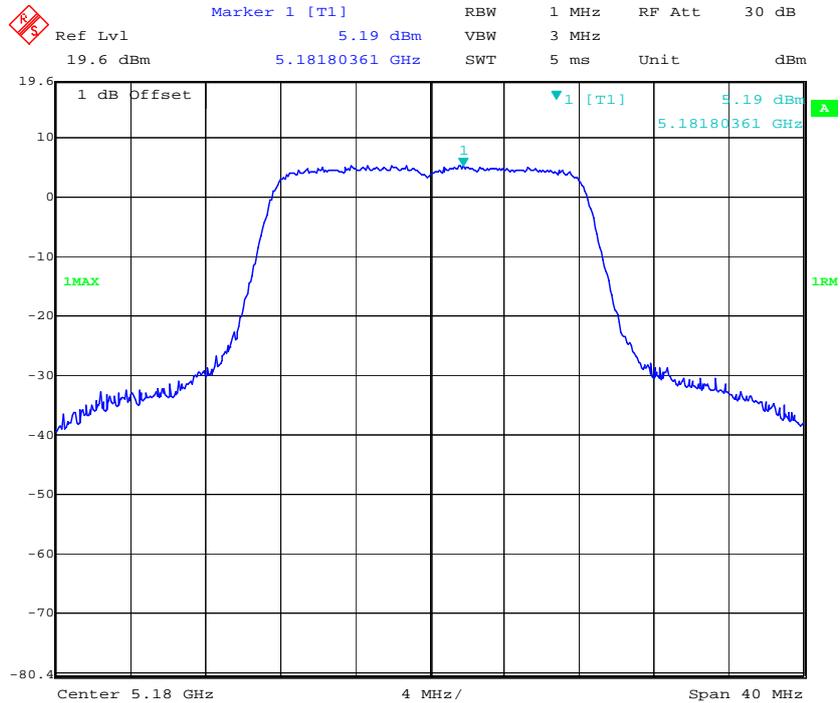
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### 802.11 ac80 Middle Channel – Chain0



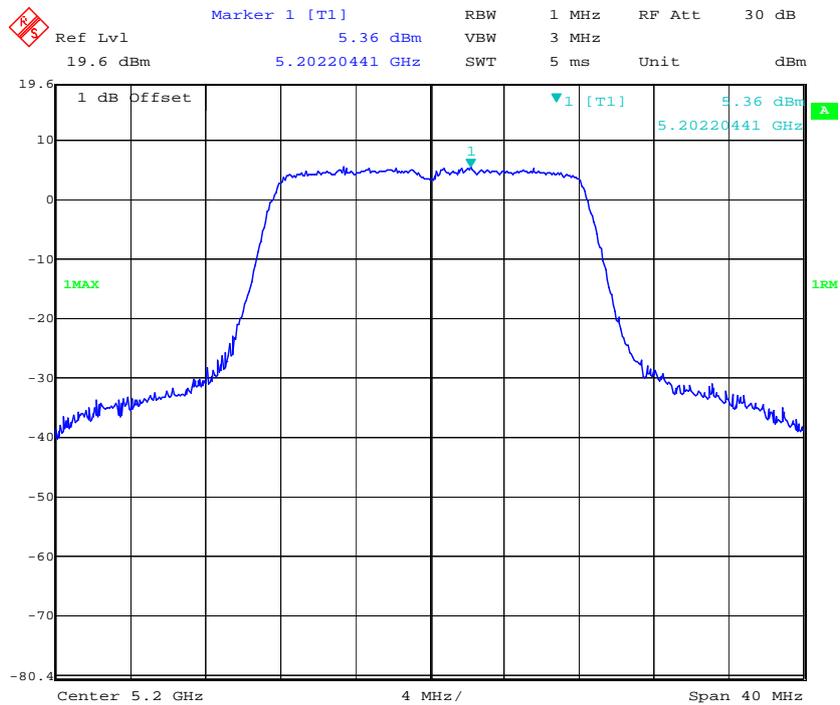
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### 802.11a Low Channel – Chain1



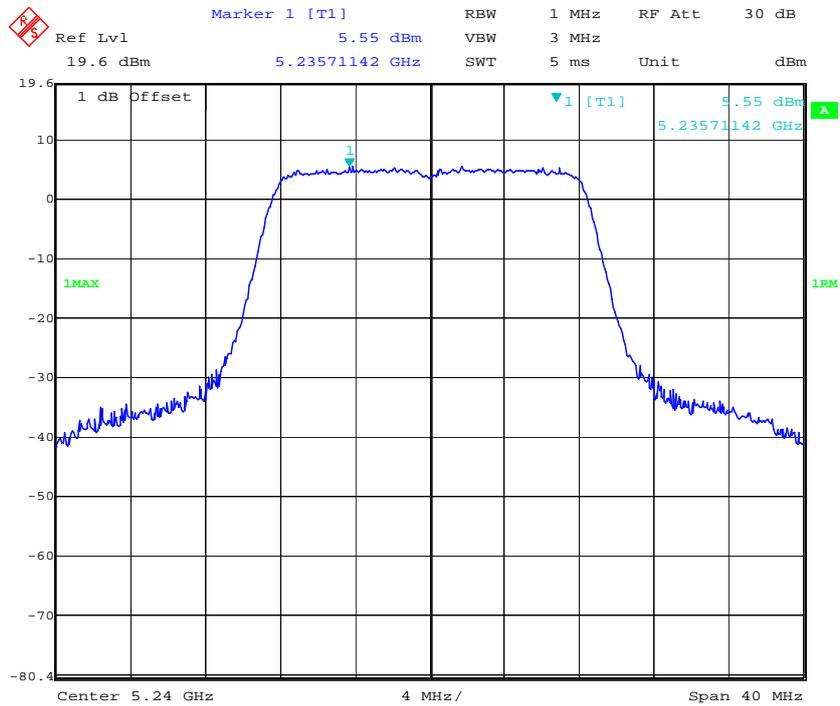
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### 802.11a Middle Channel – Chain1



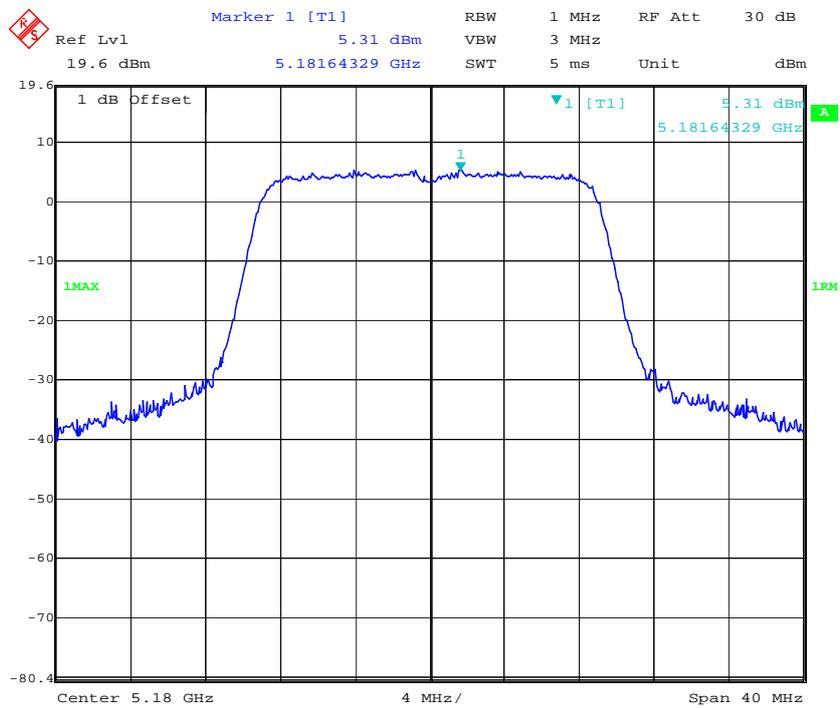
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### 802.11a High Channel – Chain1



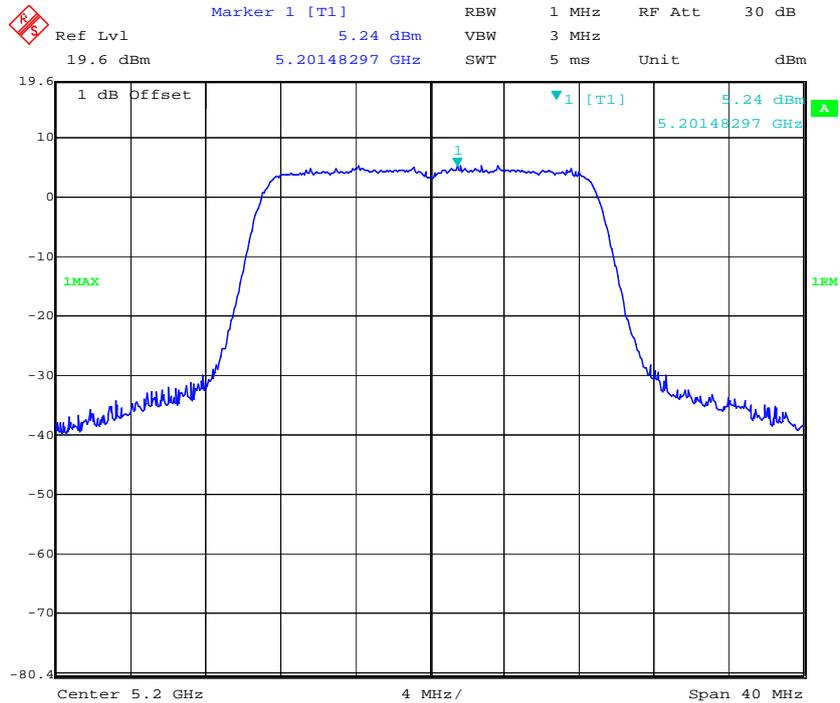
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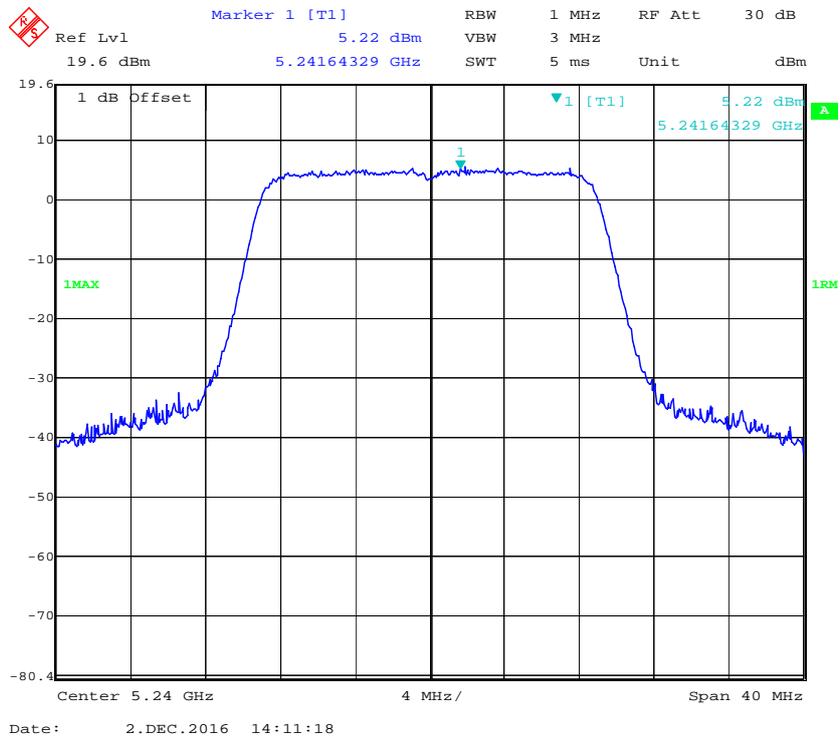


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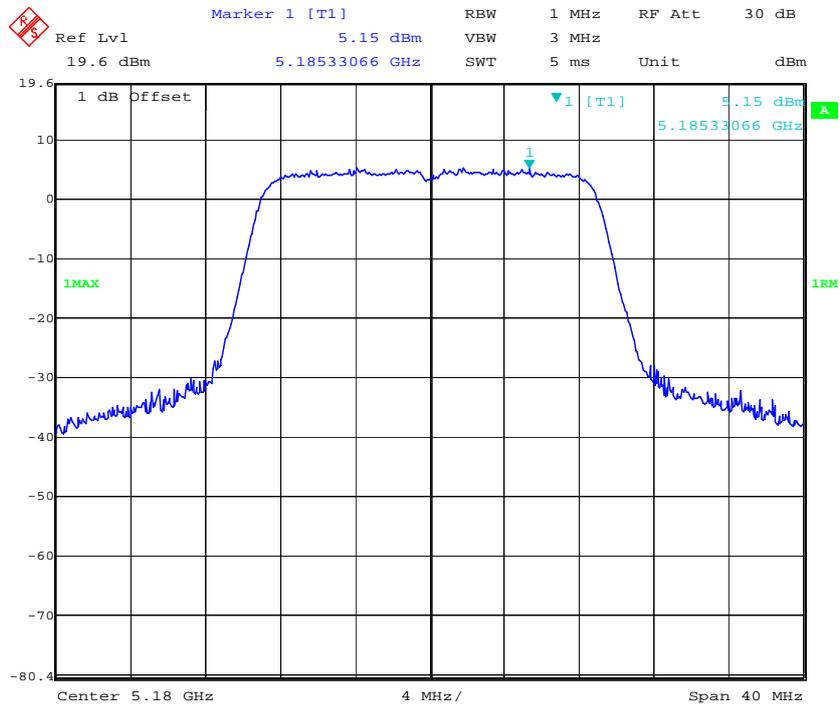
### 802.11n ht20 Middle Channel – Chain1



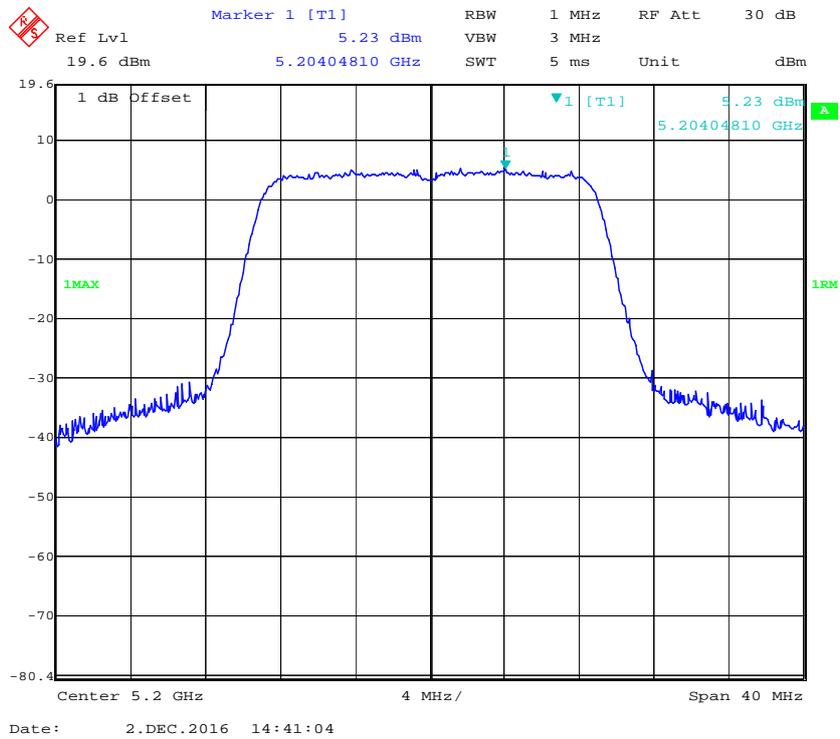
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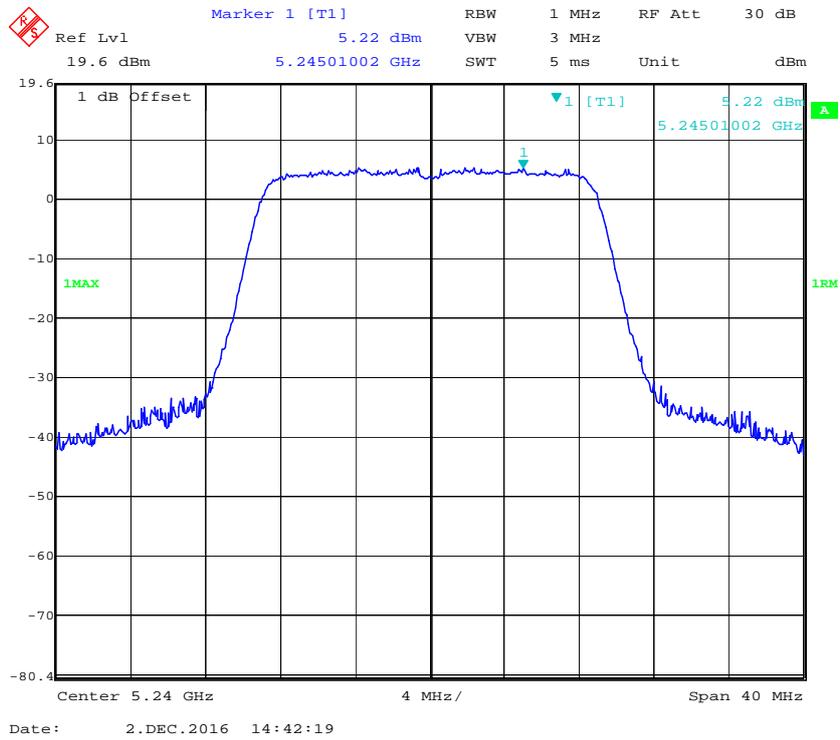
### 802.11 ac20 Low Channel – Chain1



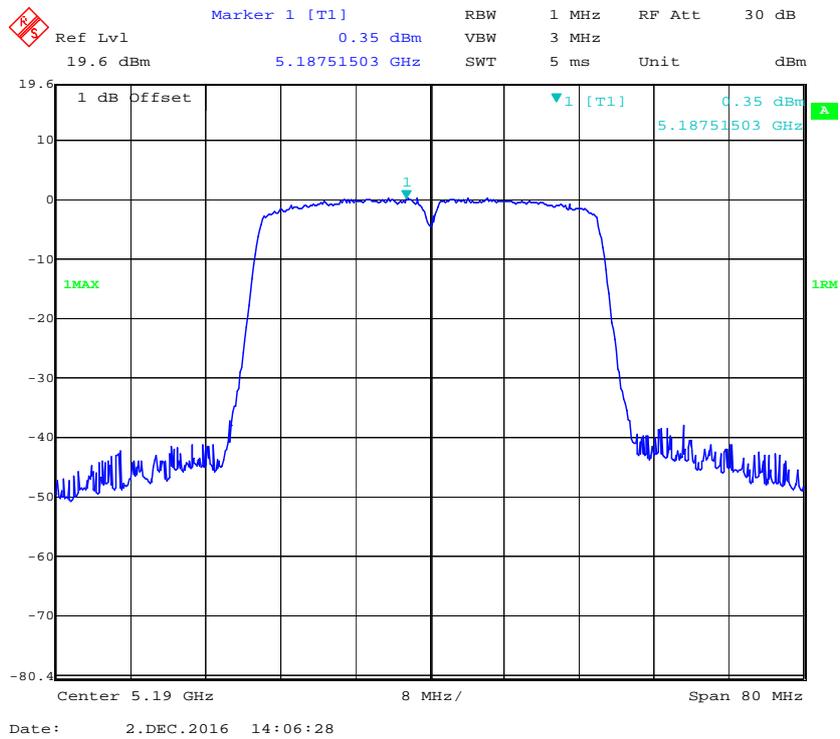
### 802.11 ac20 Middle Channel – Chain1



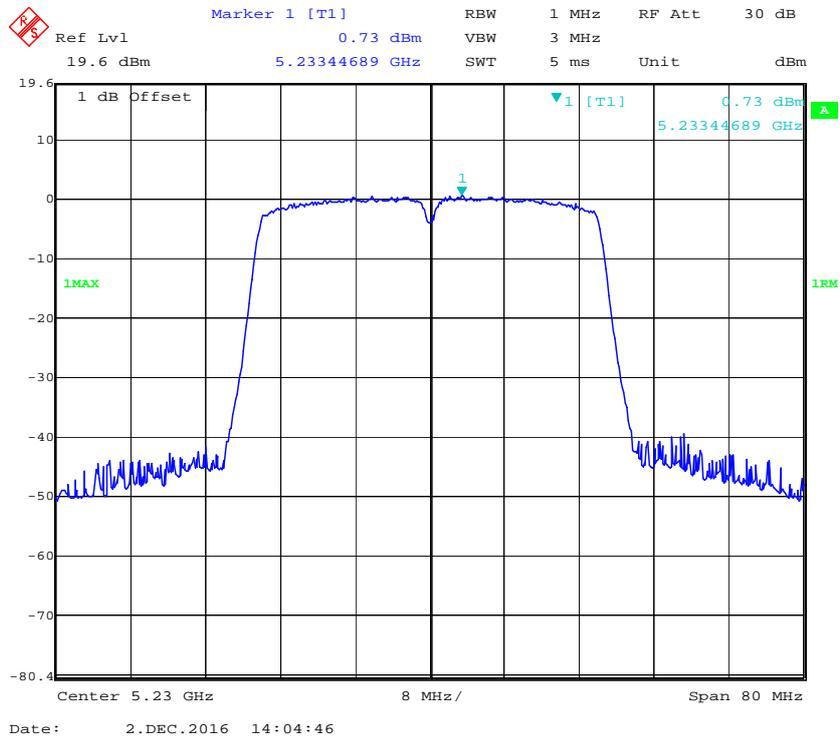
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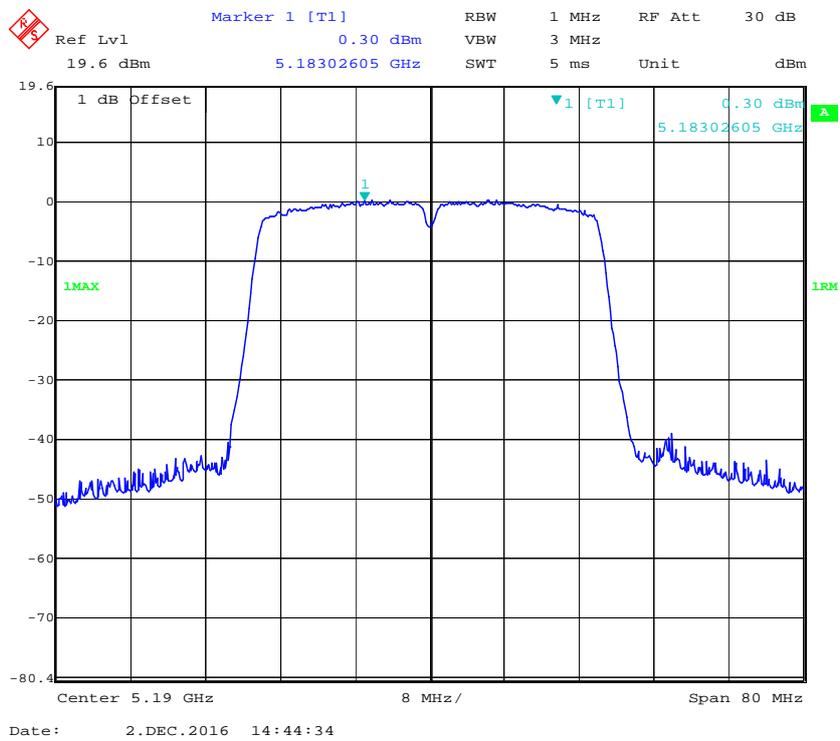
### 802.11n ht40 Low Channel – Chain1



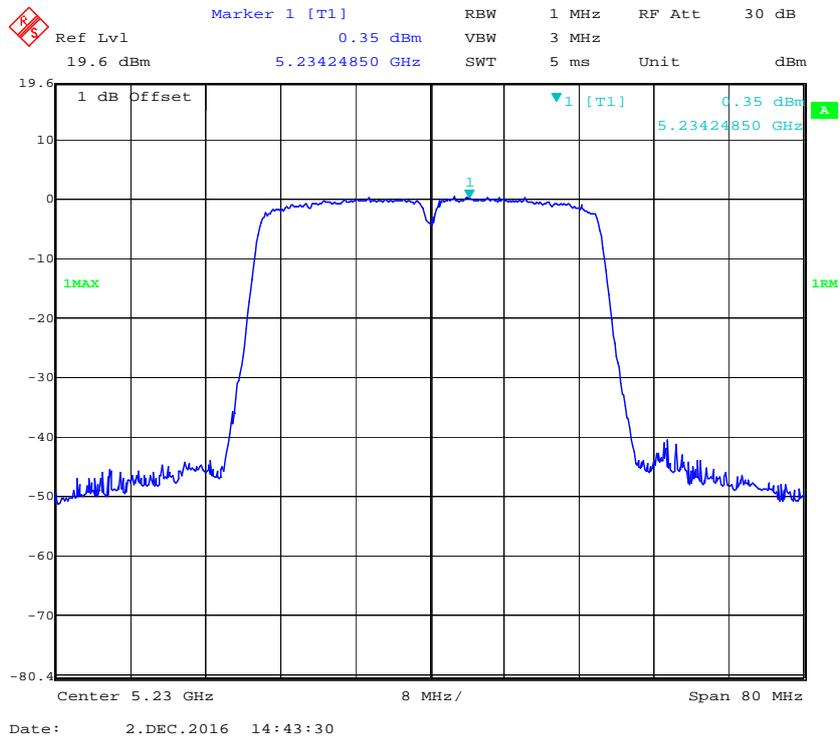
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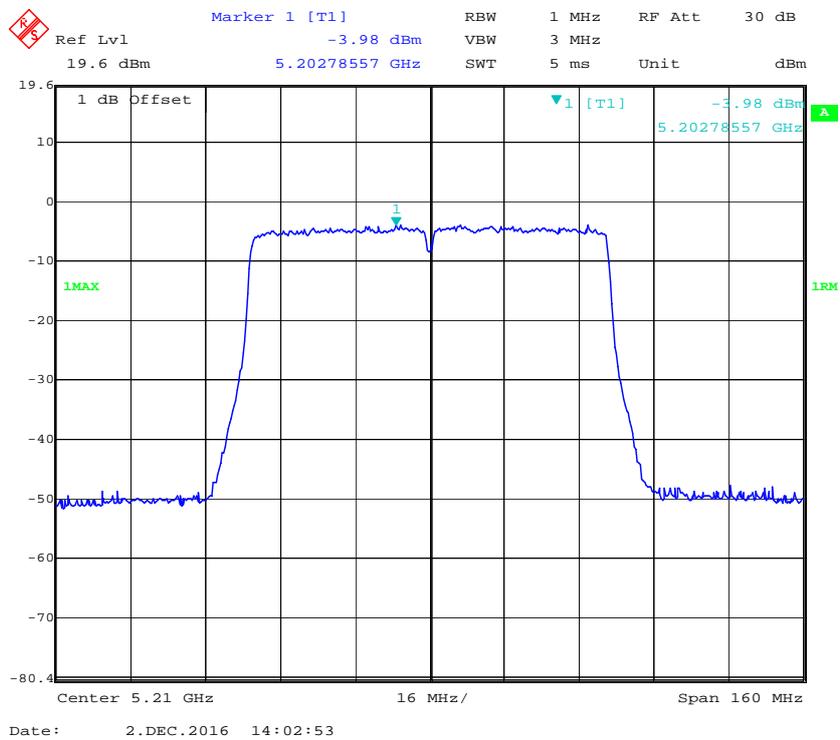
### 802.11 ac40 Low Channel – Chain1



### 802.11 ac40 High Channel – Chain1



### 802.11 ac80 Middle Channel – Chain1



**5250-5350MHz** (For 2TX, Non-Beamforming mode was tested since it was the maximum power mode per chain):

1TX:

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)		Limit (dBm/MHz)
			Chain 0	Chain 1		Chain 0	Chain 1	
802.11 a	Low	5260	7.21	5.92	0.22	7.43	6.14	11
	Middle	5280	6.99	5.63	0.22	7.21	5.85	11
	High	5320	6.97	6.04	0.22	7.19	6.26	11
802.11 n20	Low	5260	6.99	5.51	0.22	7.21	5.73	11
	Middle	5280	6.77	5.61	0.22	6.99	5.83	11
	High	5320	6.56	5.94	0.22	6.78	6.16	11
802.11 ac20	Low	5260	6.7	5.38	0.22	6.92	5.6	11
	Middle	5280	6.53	5.45	0.22	6.75	5.67	11
	High	5320	6.74	5.6	0.22	6.96	5.82	11
802.11 n40	Low	5270	2.33	0.63	0.46	2.79	1.09	11
	High	5310	1.94	0.71	0.46	2.4	1.17	11
802.11 ac40	Low	5270	1.82	0.38	0.51	2.33	0.89	11
	High	5310	1.75	0.75	0.51	2.26	1.26	11
802.11 ac80	Middle	5290	-2.07	-3.51	0.76	-1.31	-2.75	11

2TX:

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB)	Total Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
			Chain 0	Chain 1			
802.11 a	Low	5260	5.04	5.16	0.22	8.33	8.6
	Middle	5280	5.07	5.29	0.22	8.41	8.6
	High	5320	4.66	4.81	0.22	7.97	8.6
802.11 n20	Low	5260	5.72	4.28	0.22	8.29	8.6
	Middle	5280	5.63	4.13	0.22	8.17	8.6
	High	5320	5.14	5.57	0.22	8.59	8.6
802.11 ac20	Low	5260	5.58	5.13	0.22	8.59	8.6
	Middle	5280	5.5	4.99	0.22	8.48	8.6
	High	5320	5.16	5.09	0.22	8.36	8.6
802.11 n40	Low	5270	1.99	1.07	0.46	5.02	8.6
	High	5310	1.83	1.32	0.46	5.05	8.6
802.11 ac40	Low	5270	1.95	1.12	0.51	5.08	8.6
	High	5310	1.76	1.21	0.51	5.01	8.6
802.11 ac80	Middle	5290	-2.36	-3.18	0.76	1.02	8.6

Note: the device is a master device. the 2 antenna maximum antenna gain are 5.4dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

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

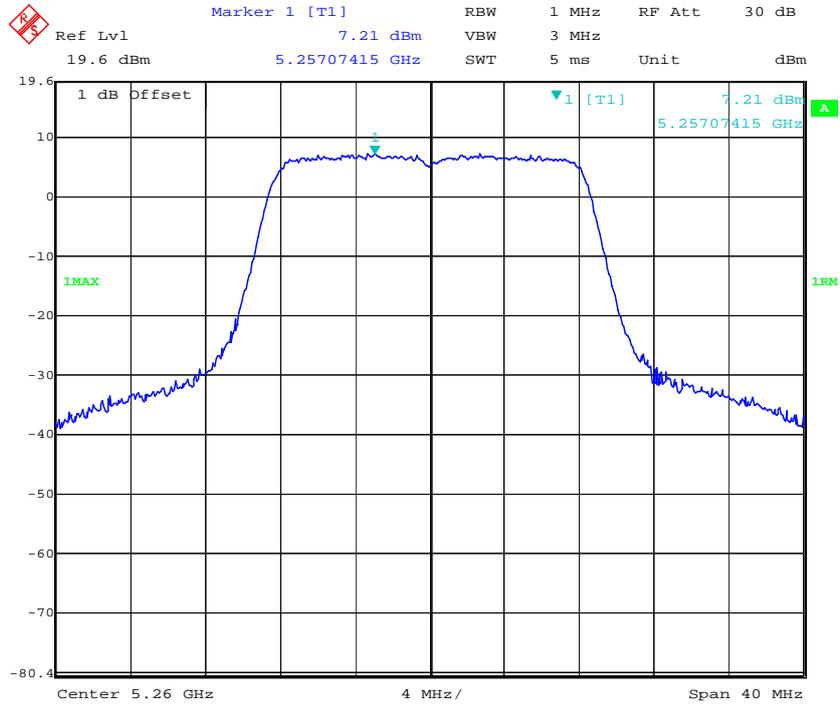
So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 5.4 + 10 \cdot \log(2) = 8.4 \text{ dBi} > 6 \text{dBi}$$

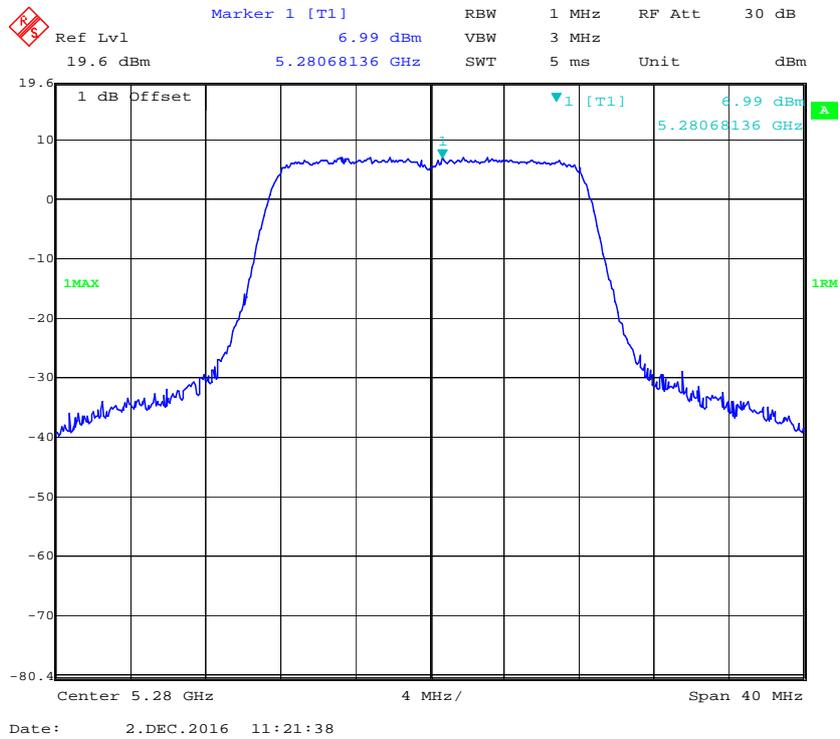
The PSD limit should reduce 2.4dB.

1TX:

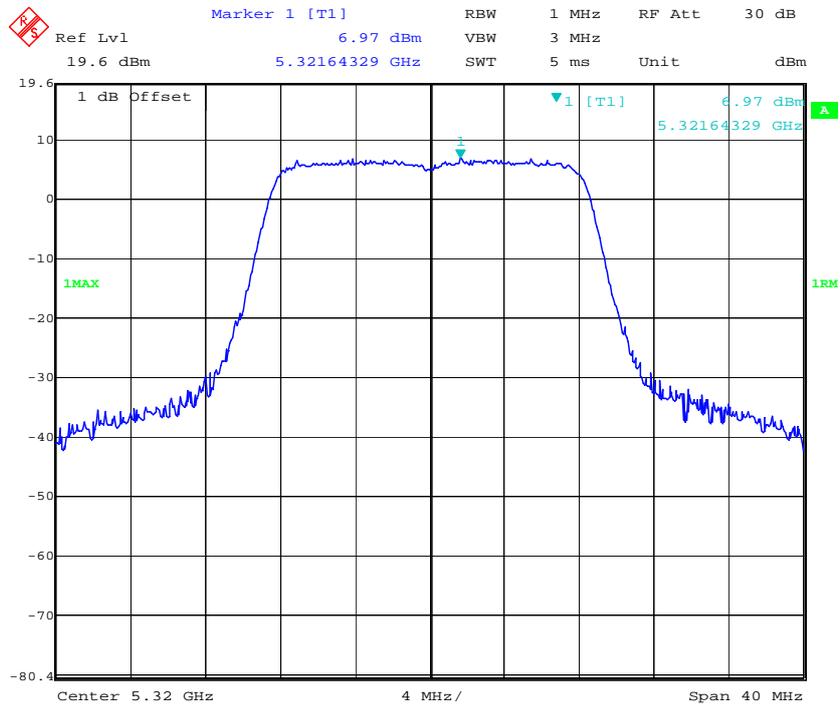
### 802.11a Low Channel – Chain0



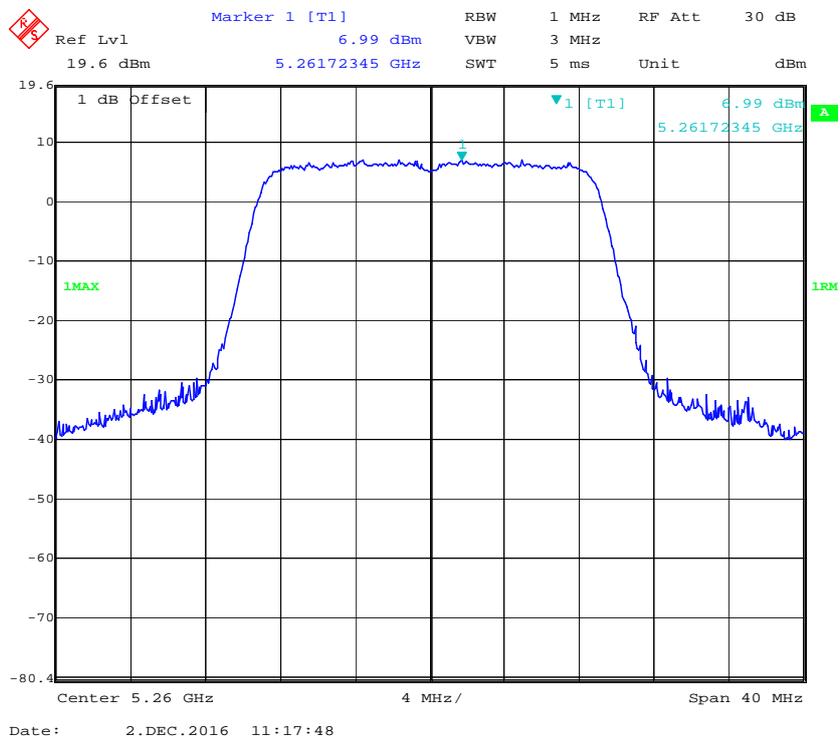
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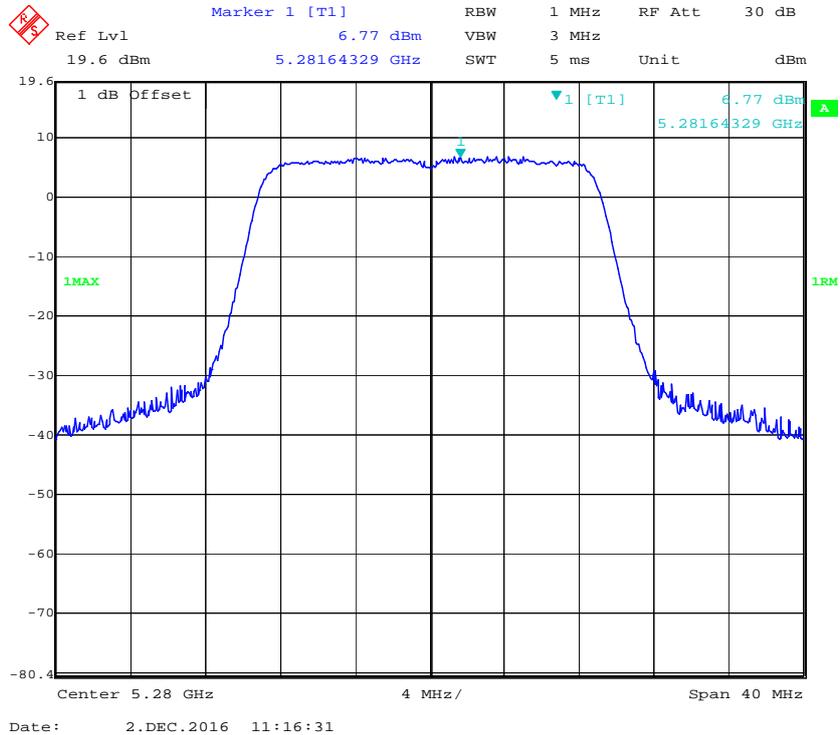
### 802.11a High Channel – Chain0



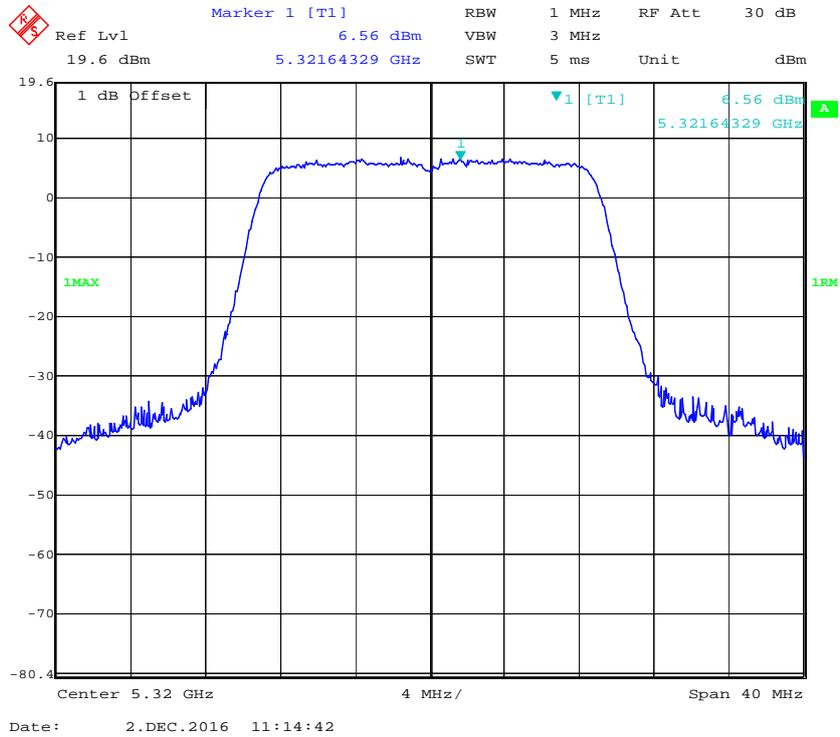
### 802.11n ht20 Low Channel – Chain0



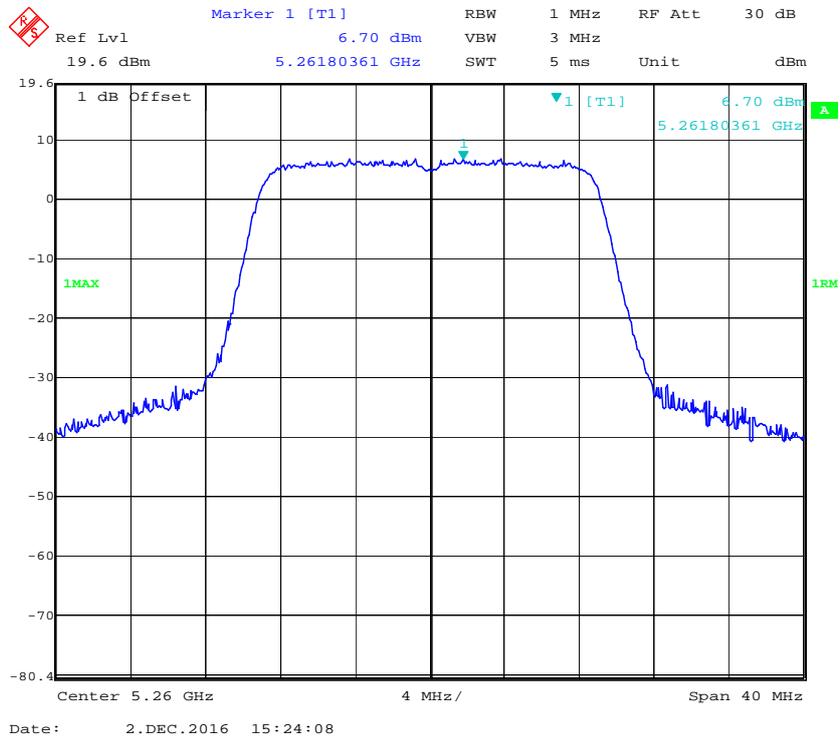
### 802.11n ht20 Middle Channel – Chain0



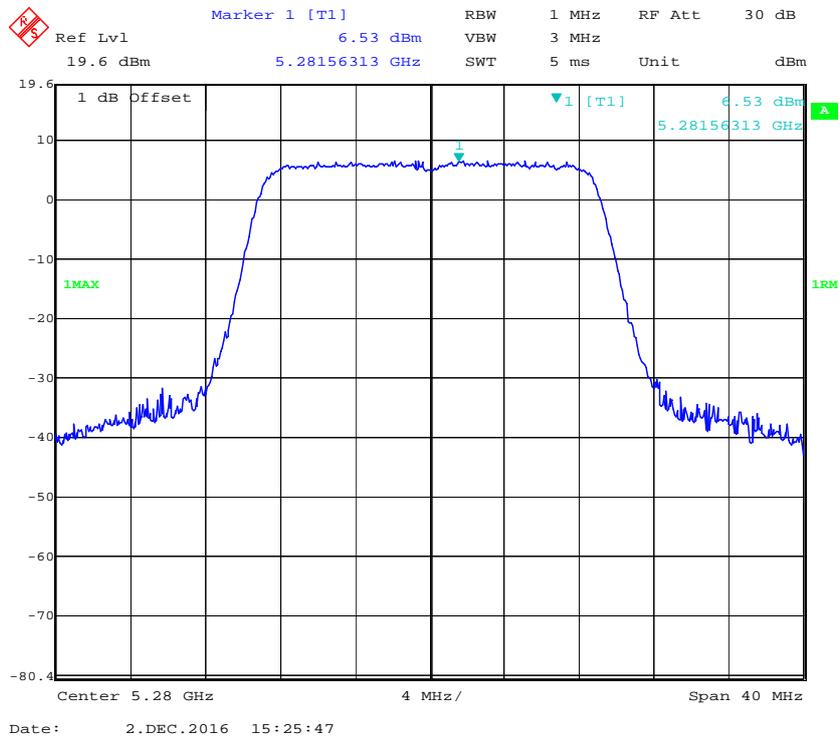
### 802.11n ht20 High Channel – Chain0



### 802.11 ac20 Low Channel – Chain0

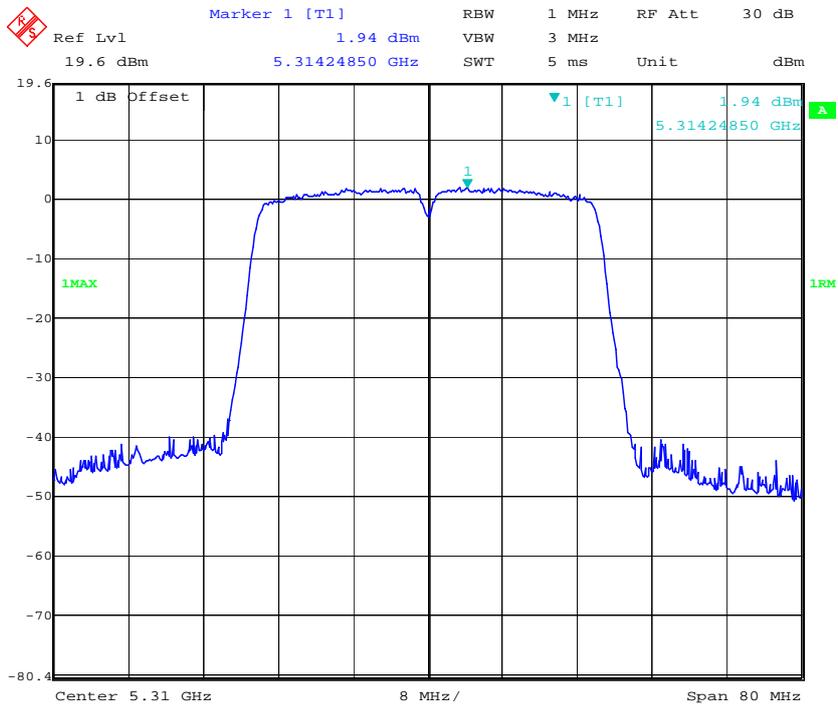


### 802.11 ac20 Middle Channel – Chain0

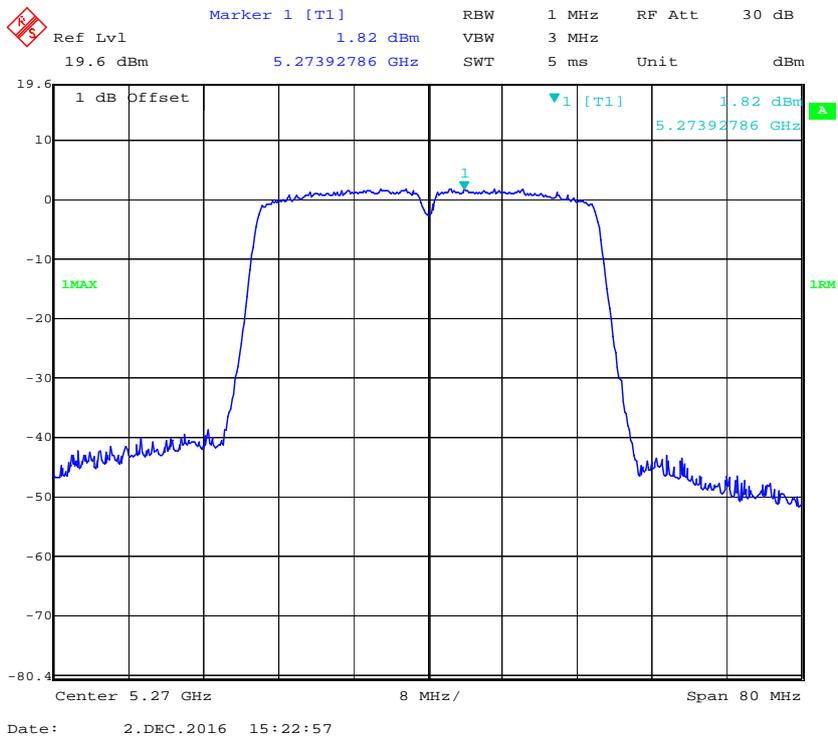




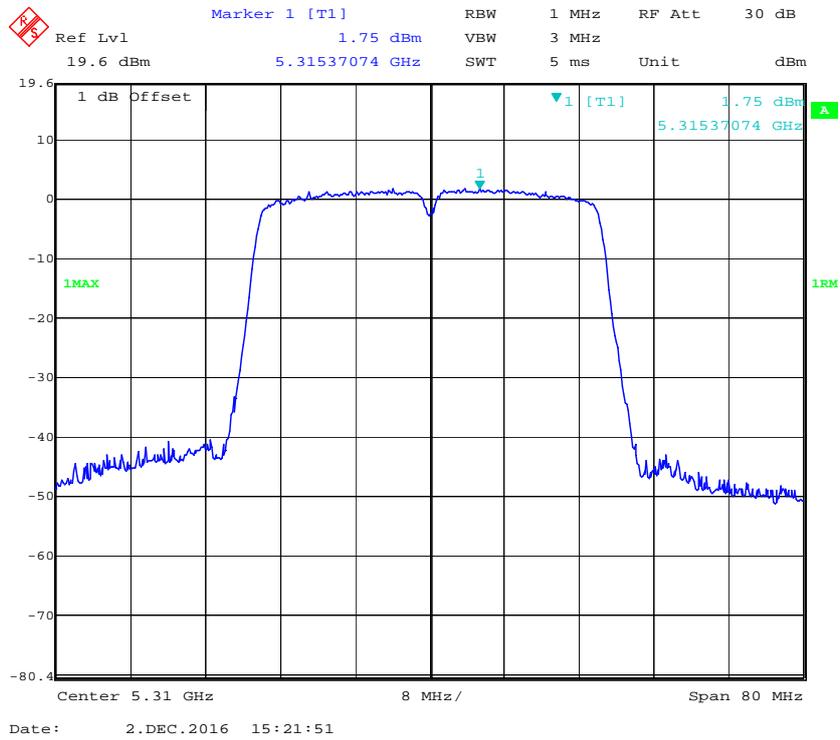
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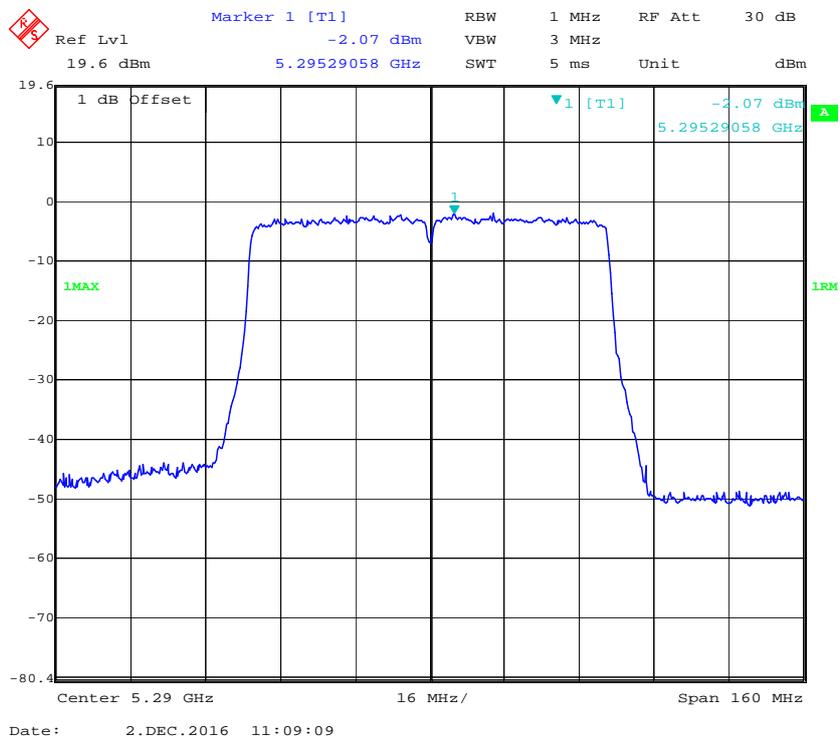
### 802.11 ac40 Low Channel – Chain0



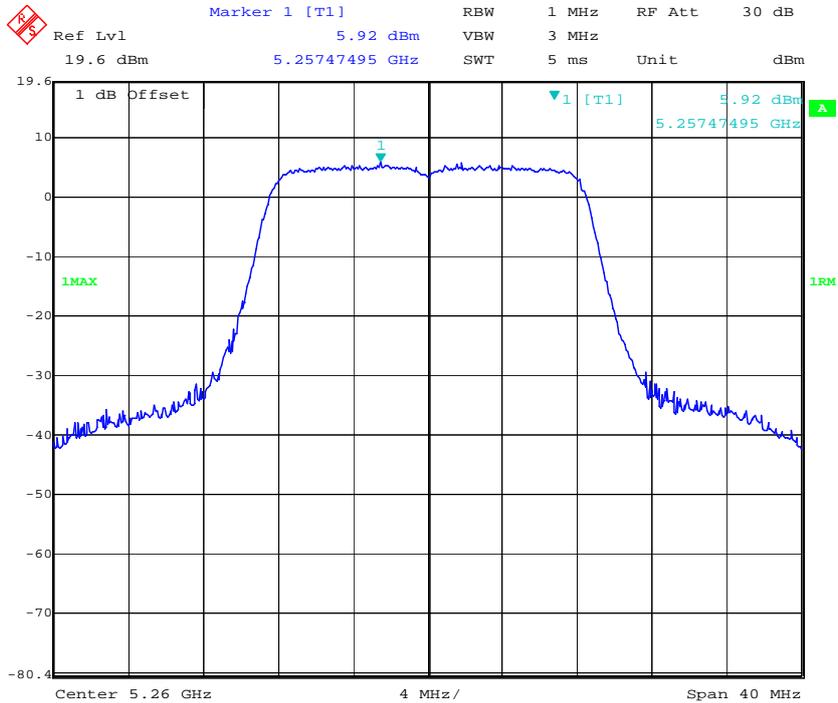
### 802.11 ac40 High Channel – Chain0



### 802.11 ac80 Middle Channel – Chain0

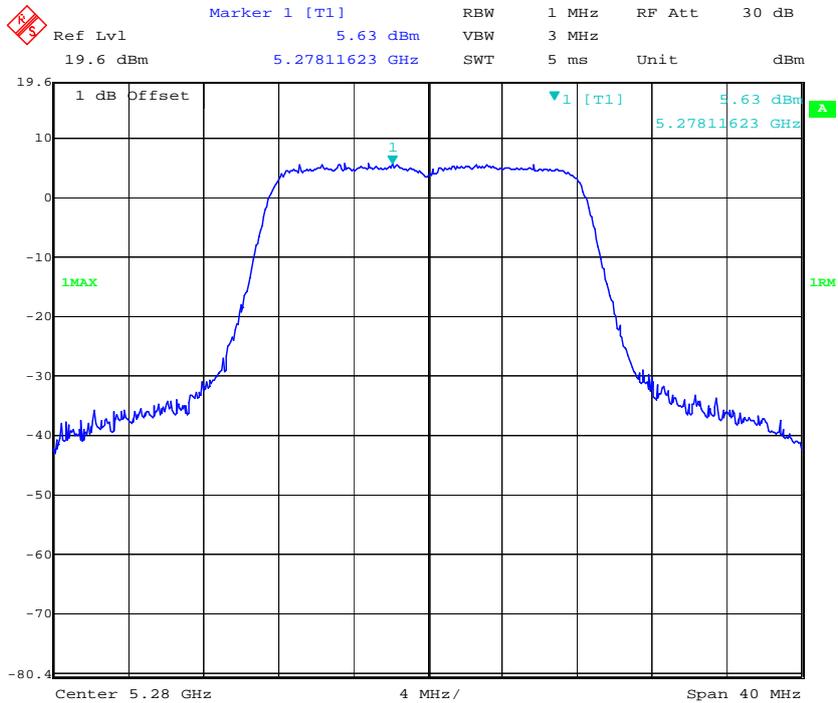


### 802.11a Low Channel – Chain1



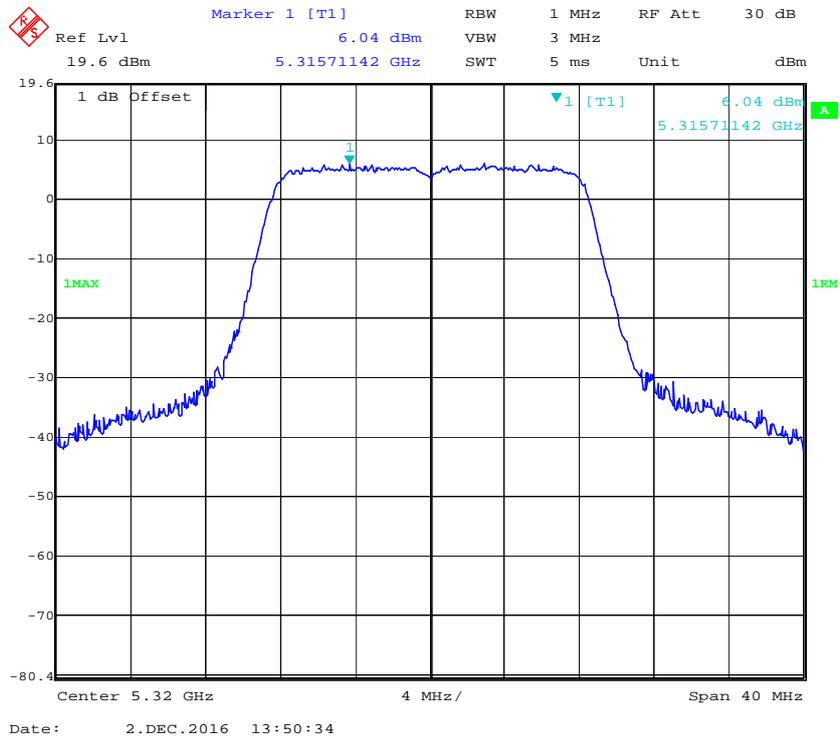
Date: 2.DEC.2016 13:47:21

### 802.11a Middle Channel – Chain1

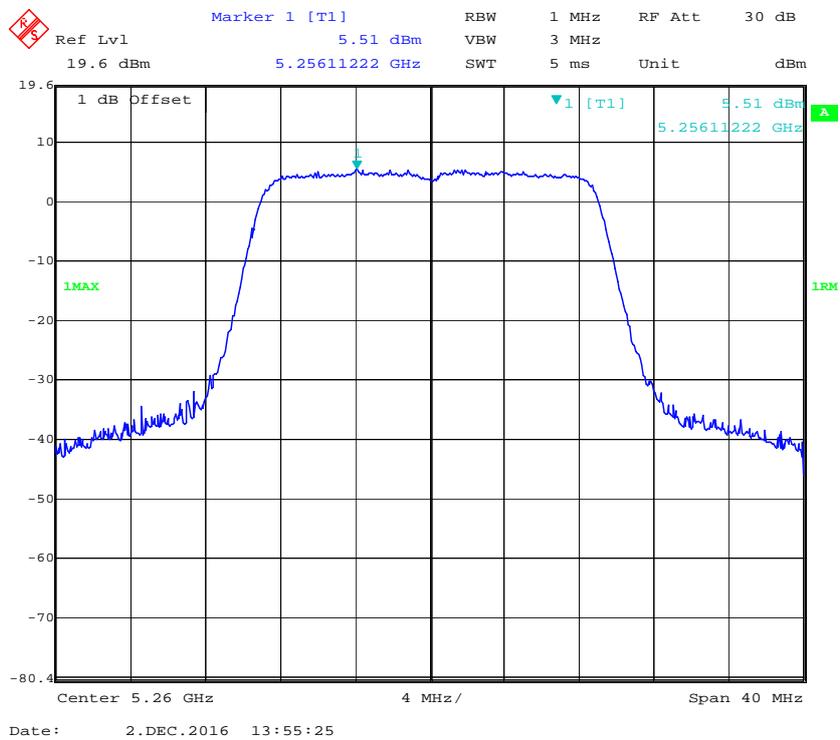


Date: 2.DEC.2016 13:49:09

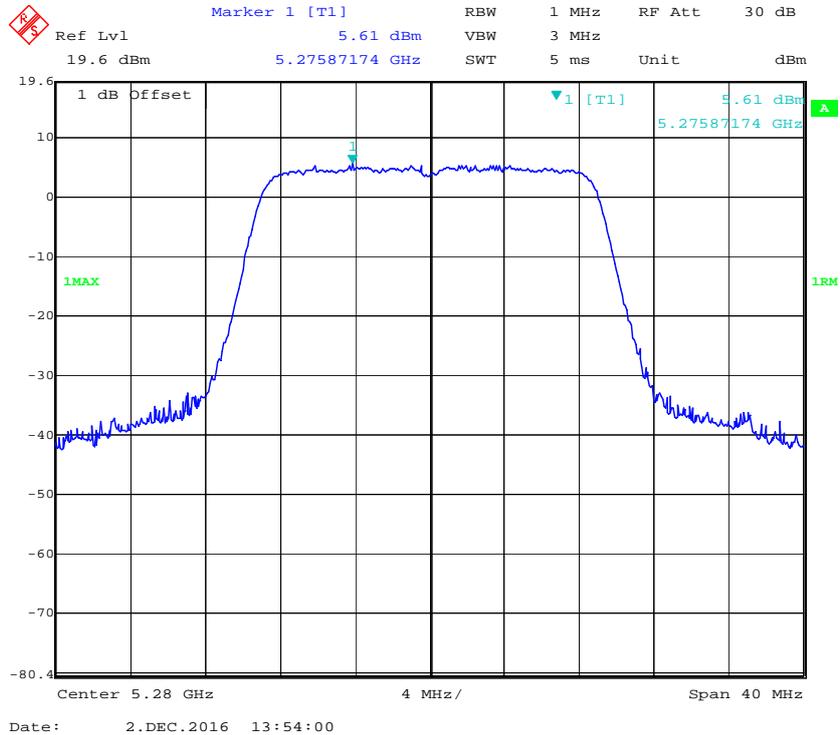
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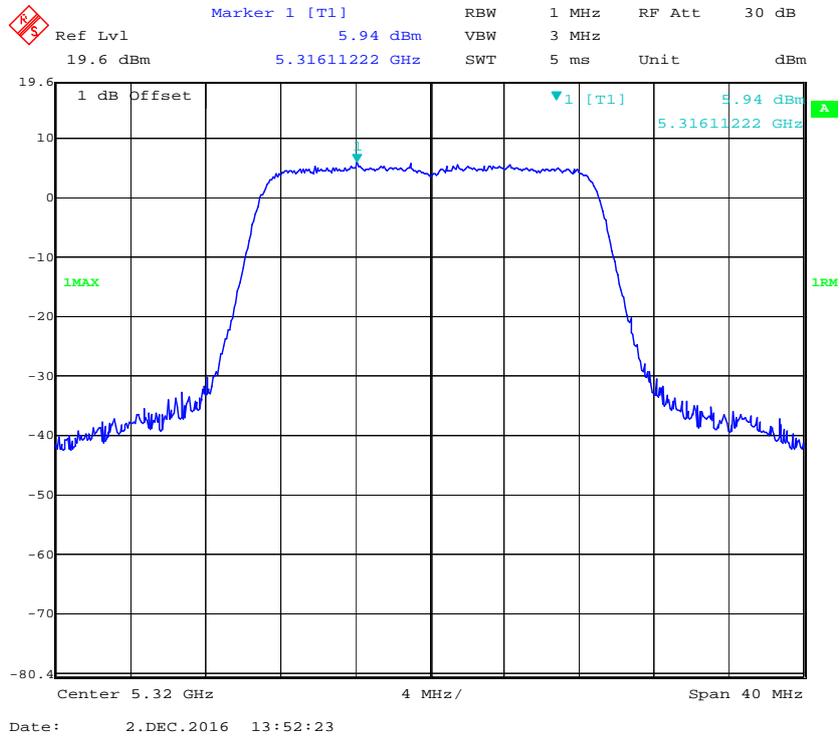
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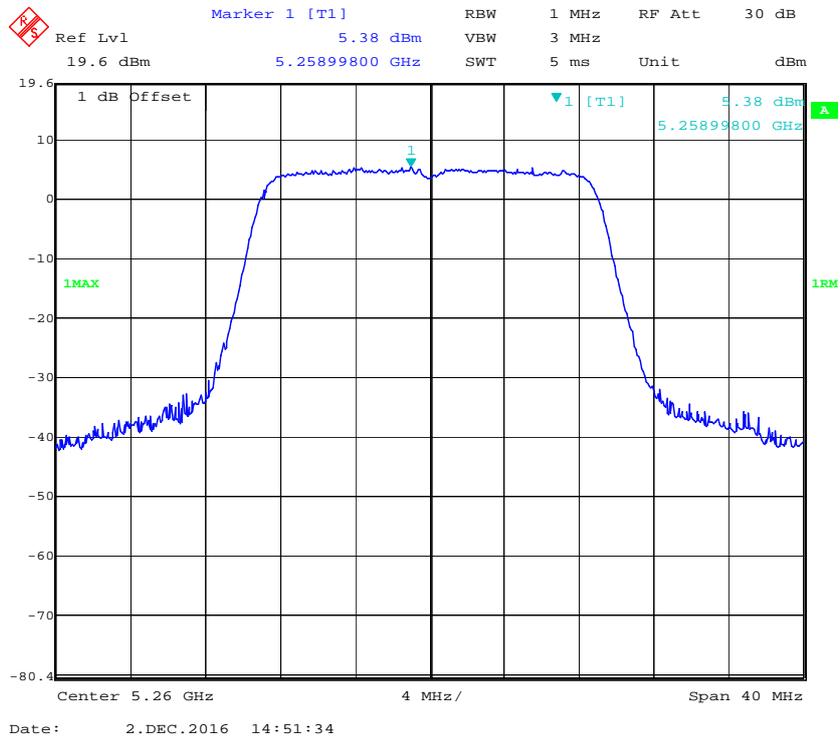
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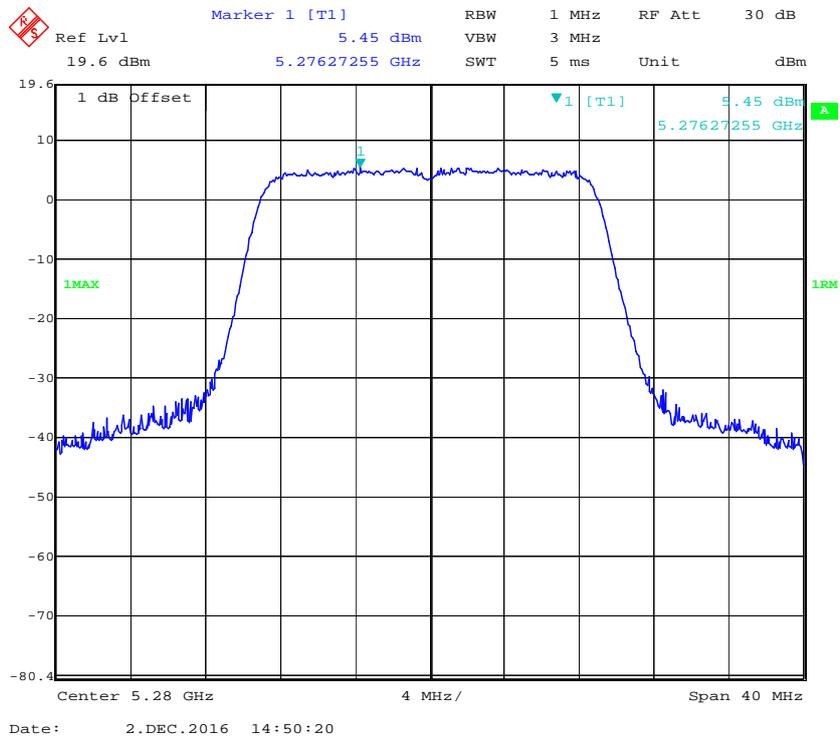
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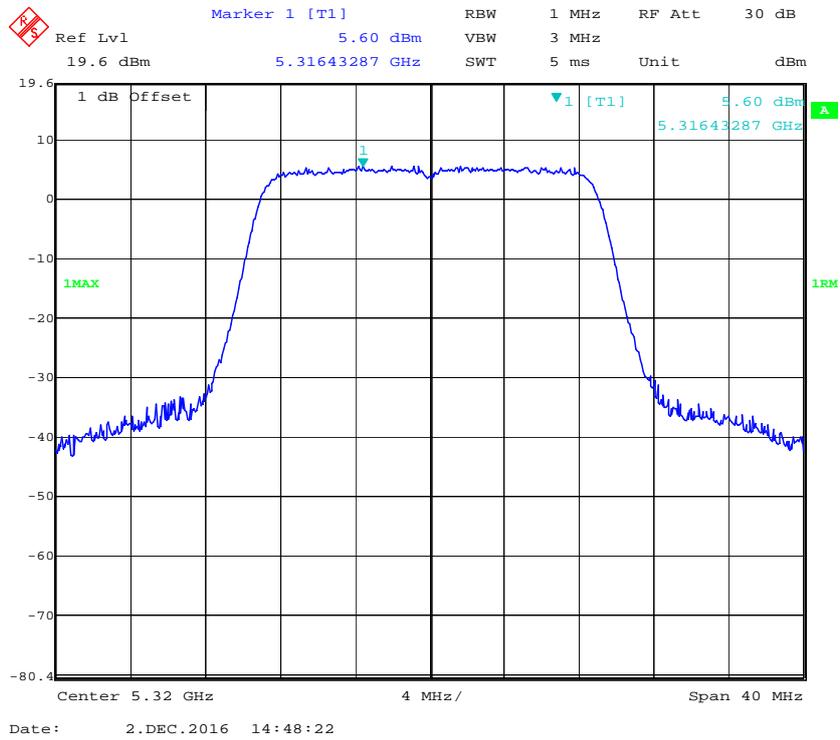
### 802.11 ac20 Low Channel – Chain1



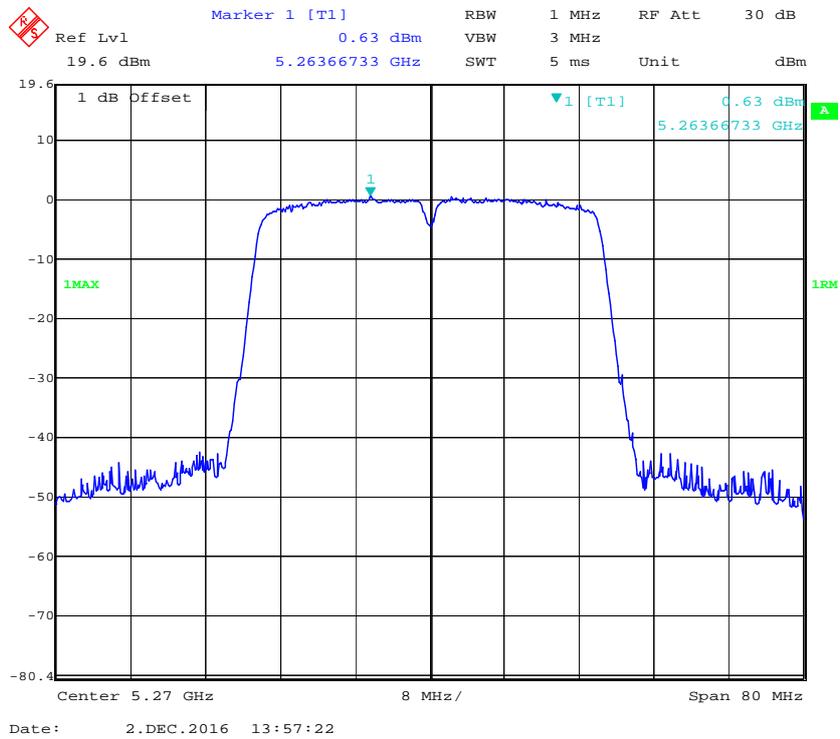
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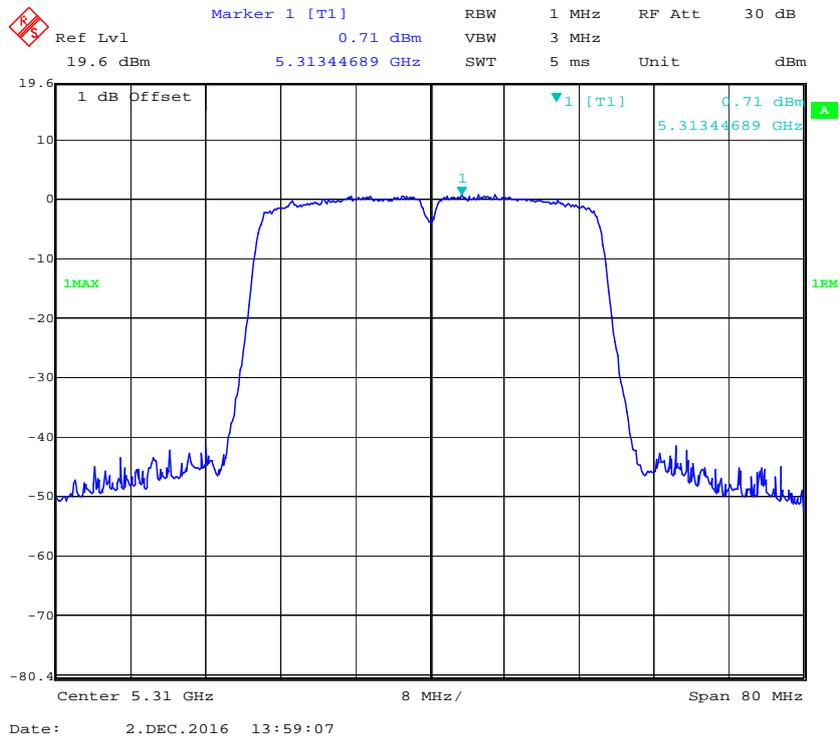
### 802.11 ac20 High Channel – Chain1



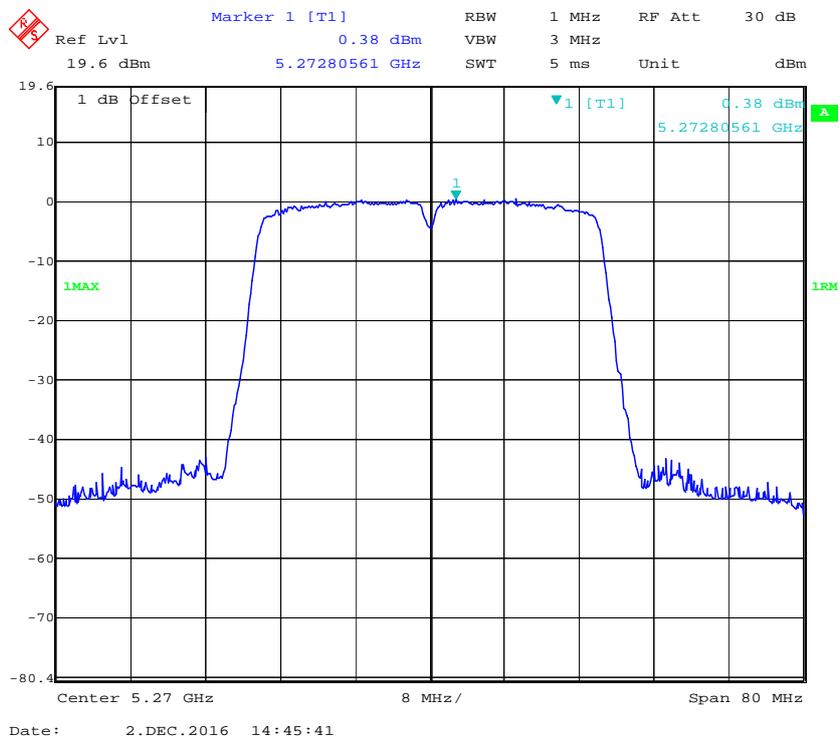
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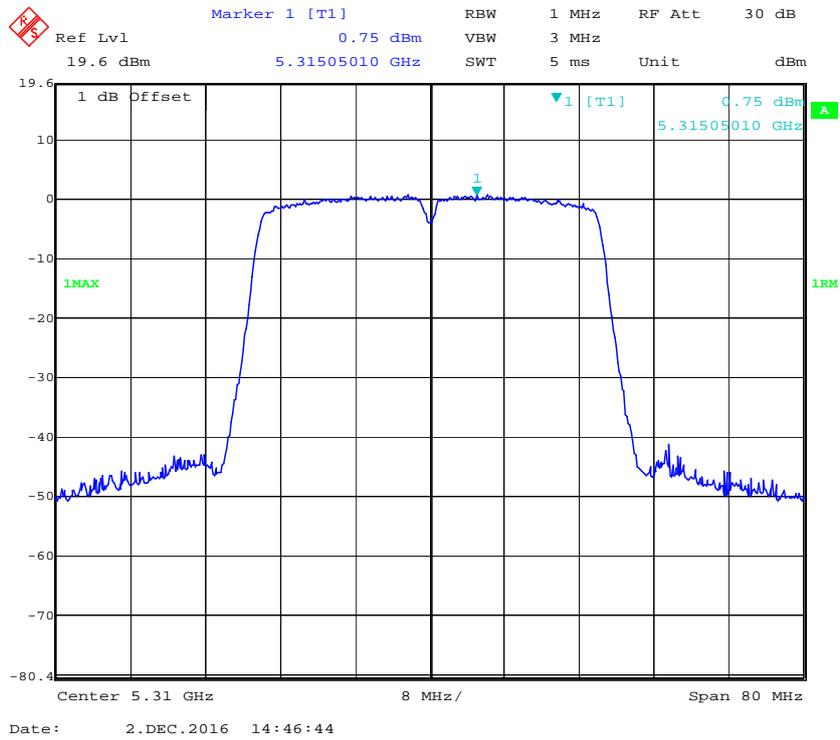
### 802.11n ht40 High Channel – Chain1



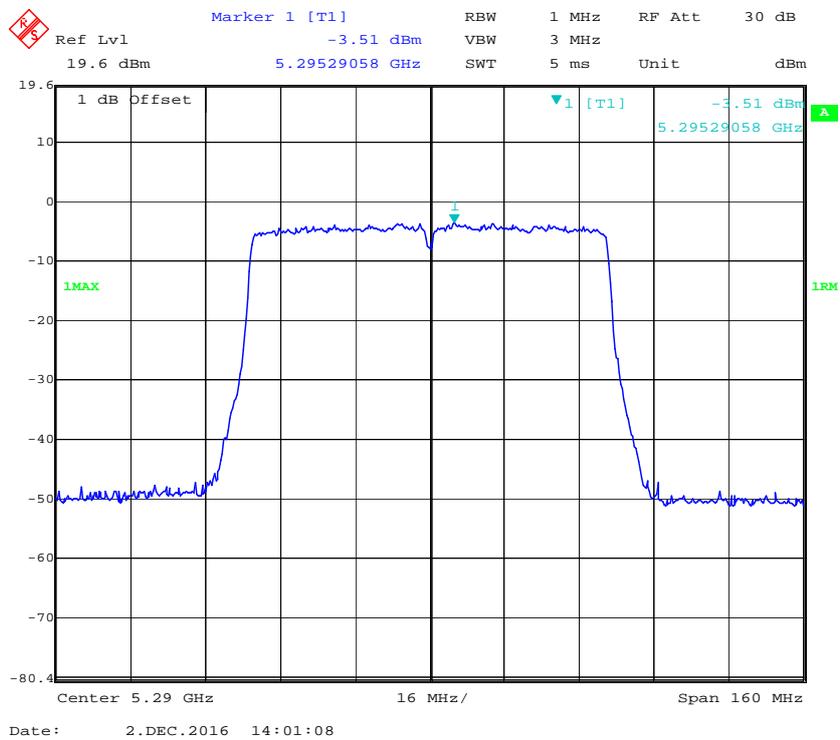
### 802.11 ac40 Low Channel – Chain1



### 802.11 ac40 High Channel – Chain1

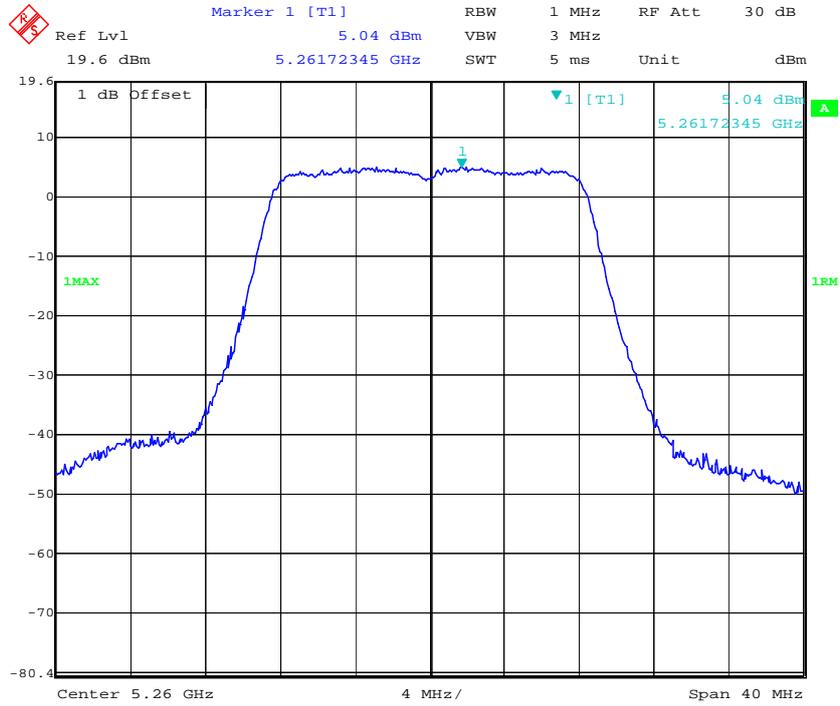


### 802.11 ac80 Middle Channel – Chain1

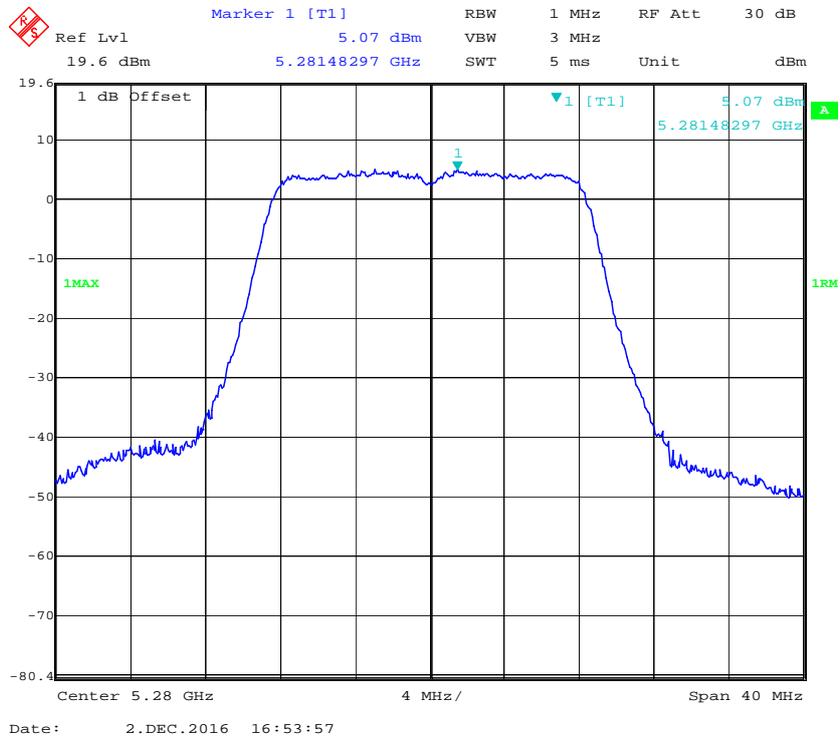


2TX:

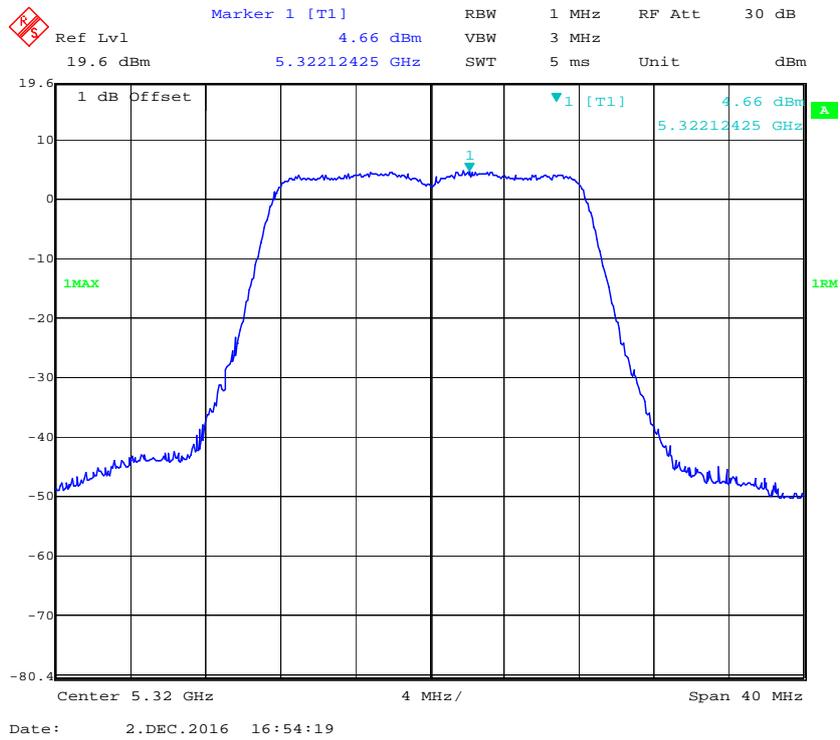
### 802.11a Low Channel – Chain0



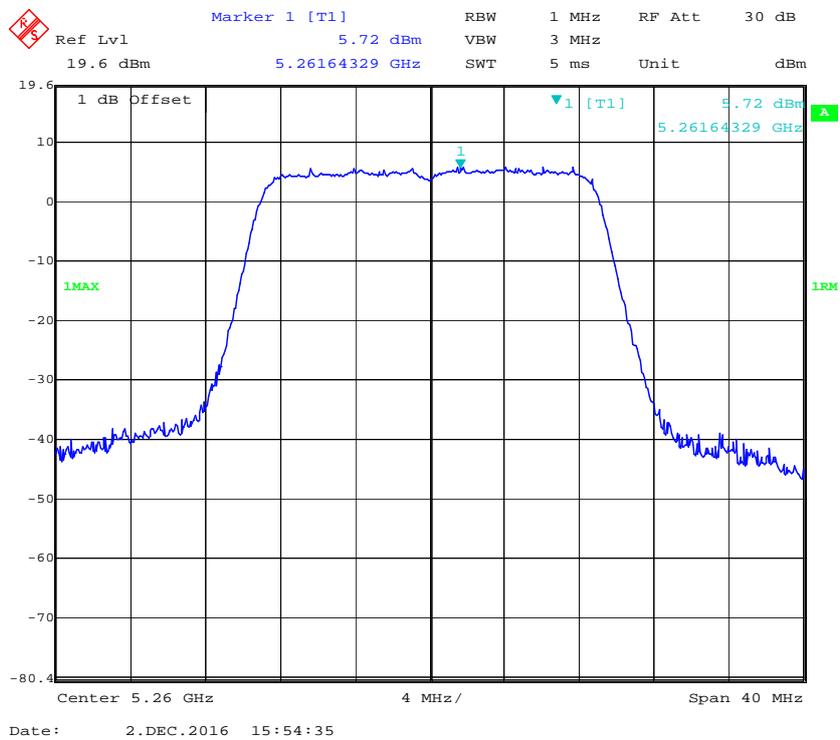
### 802.11a Middle Channel – Chain0



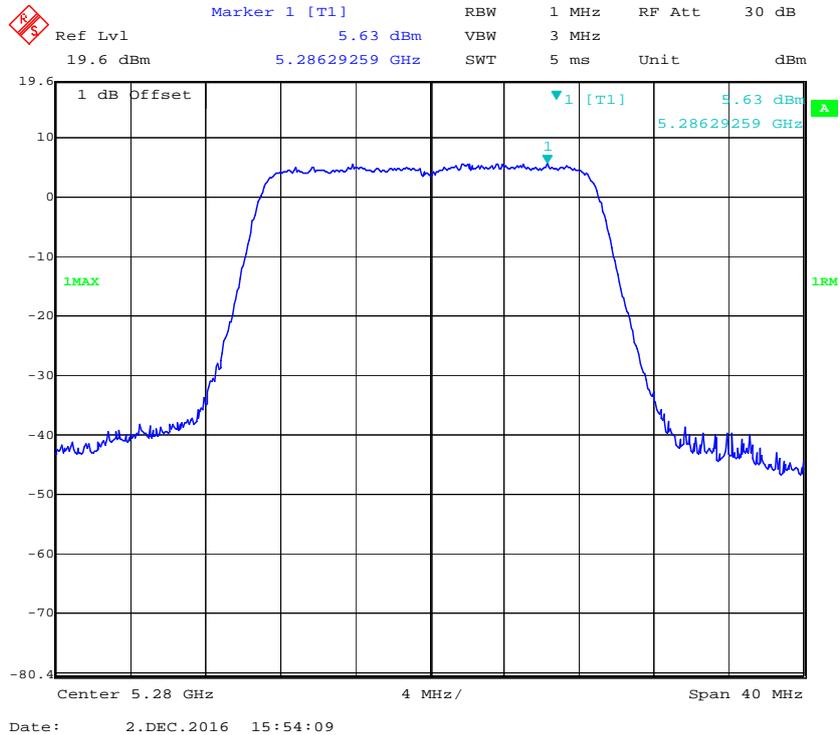
### 802.11a High Channel – Chain0



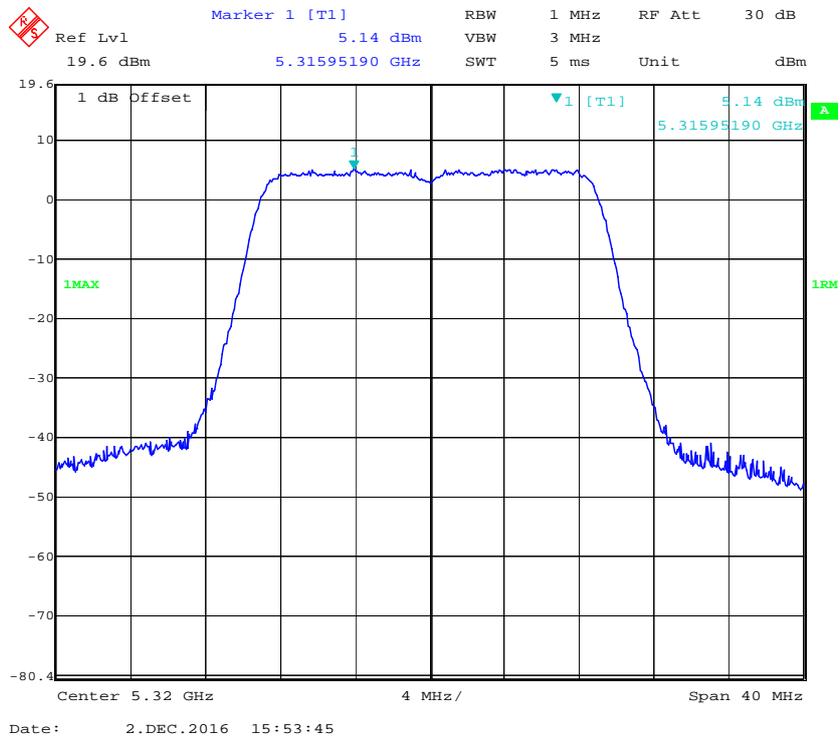
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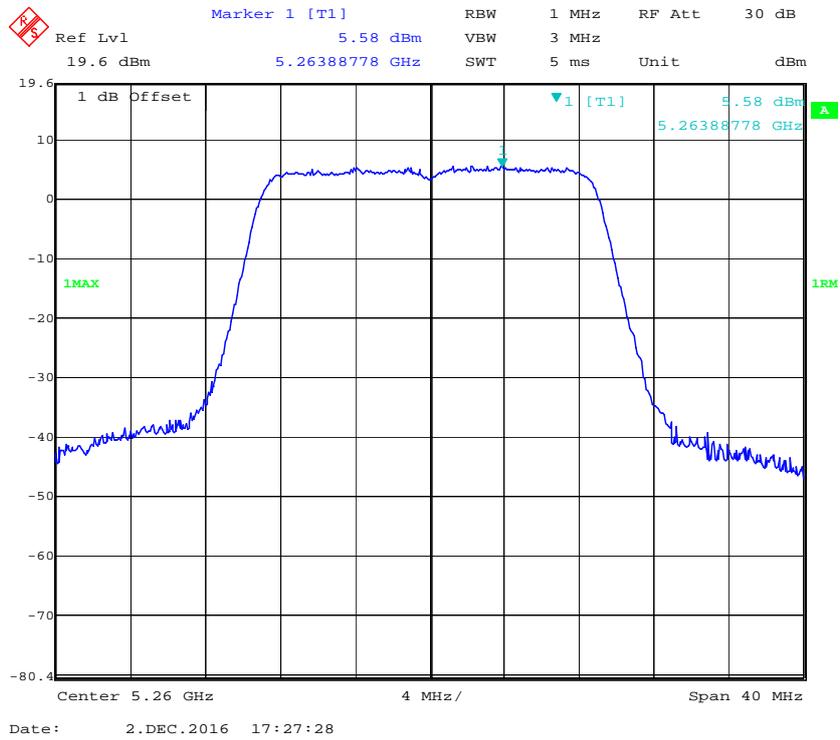
### 802.11n ht20 Middle Channel – Chain0



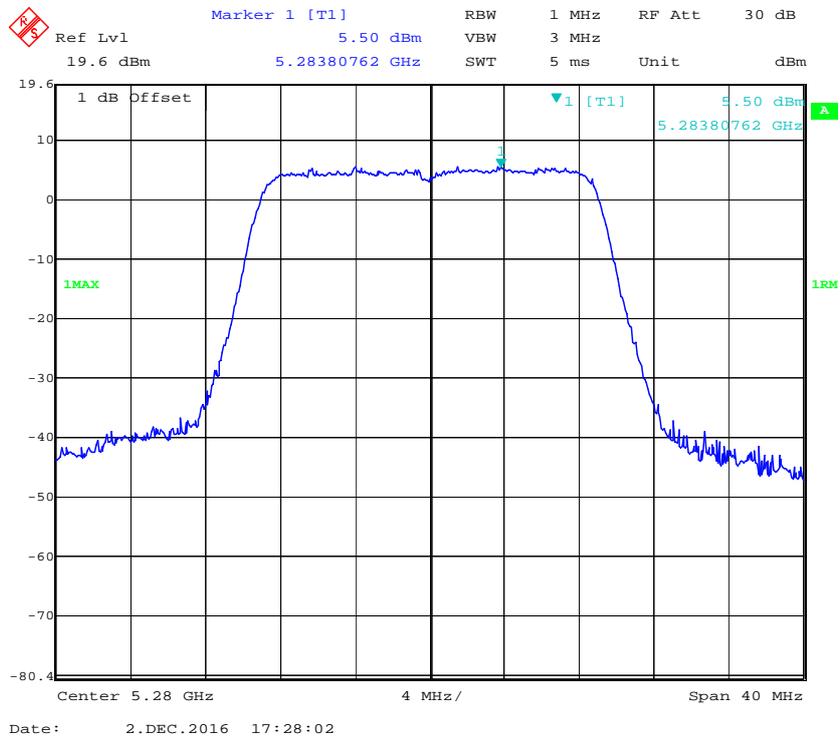
### 802.11n ht20 High Channel – Chain0



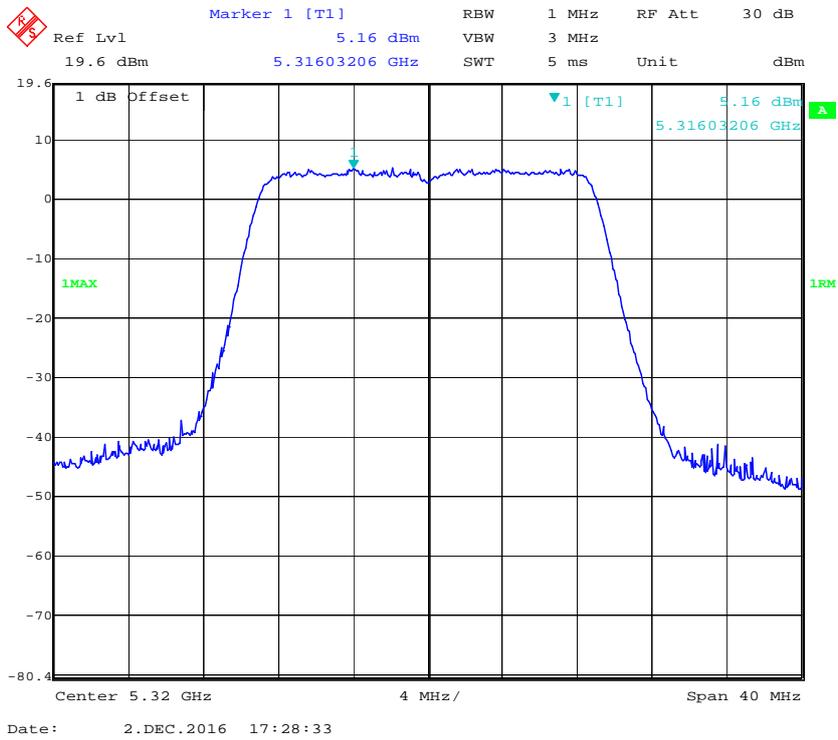
### 802.11 ac20 Low Channel – Chain0



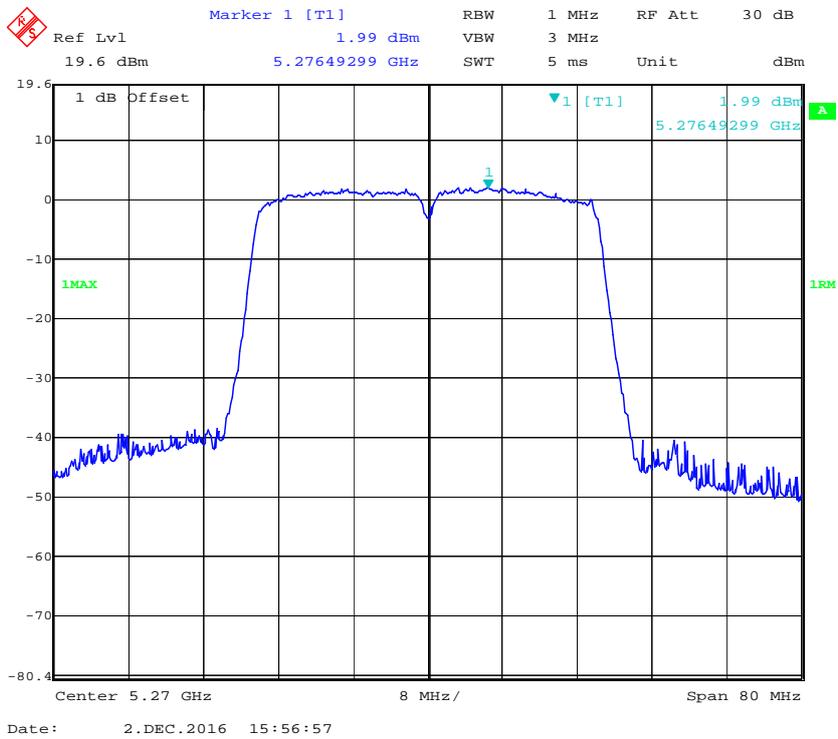
### 802.11 ac20 Middle Channel – Chain0



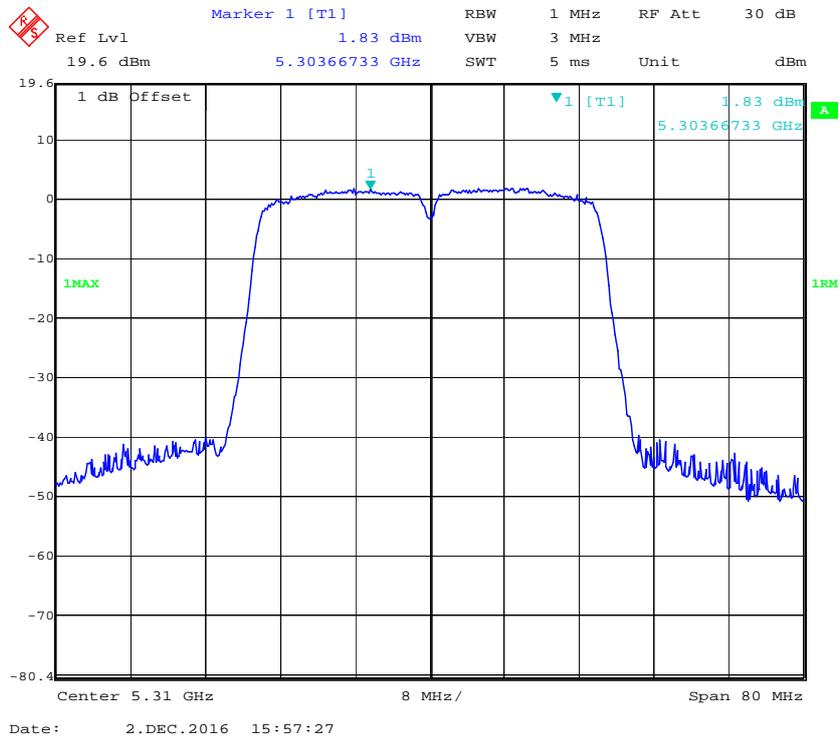
### 802.11 ac20 High Channel – Chain0



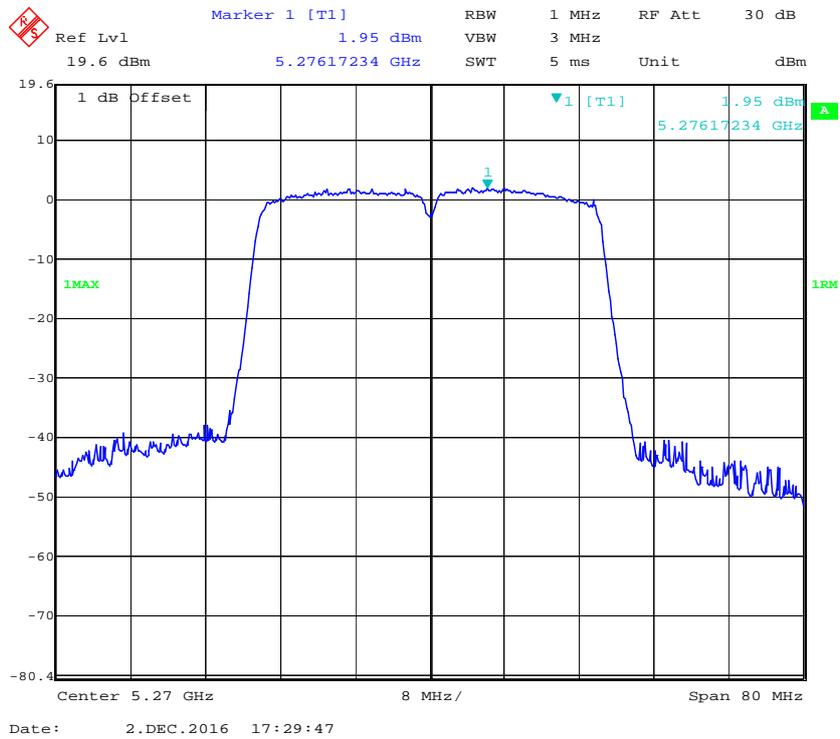
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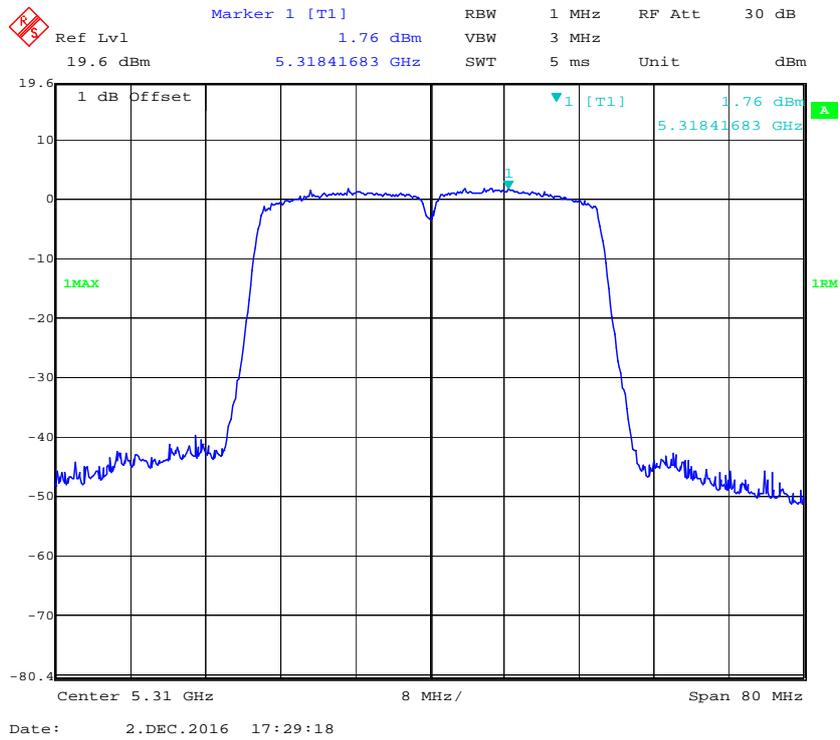
### 802.11n ht40 High Channel – Chain0



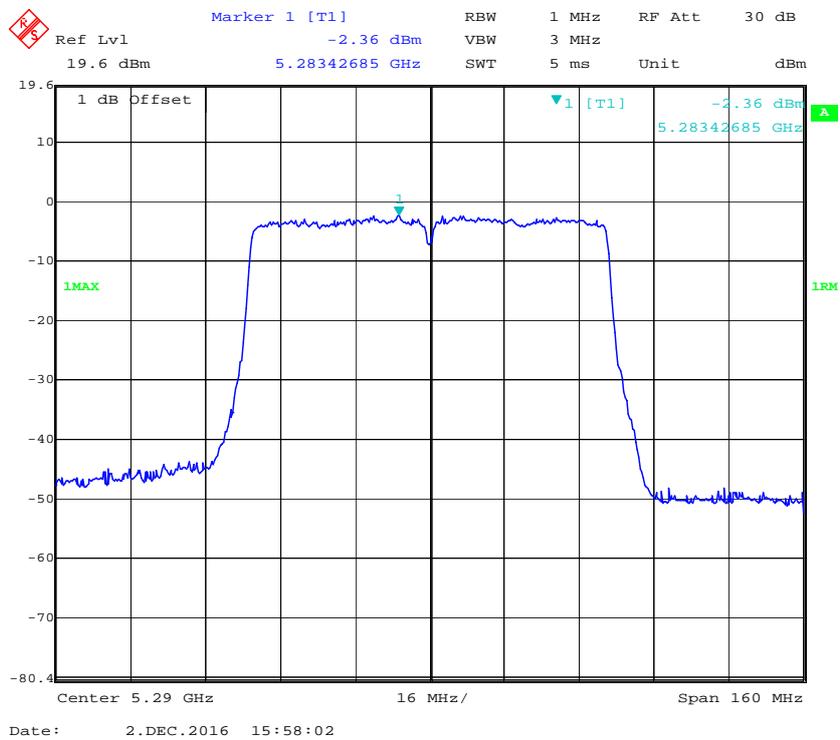
### 802.11 ac40 Low Channel – Chain0



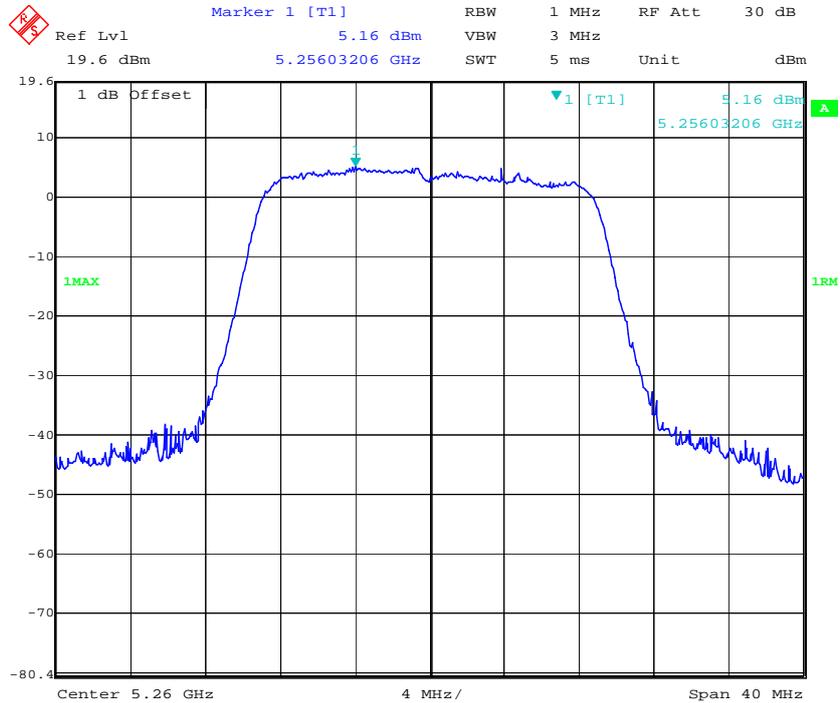
### 802.11 ac40 High Channel – Chain0



### 802.11 ac80 Middle Channel – Chain0

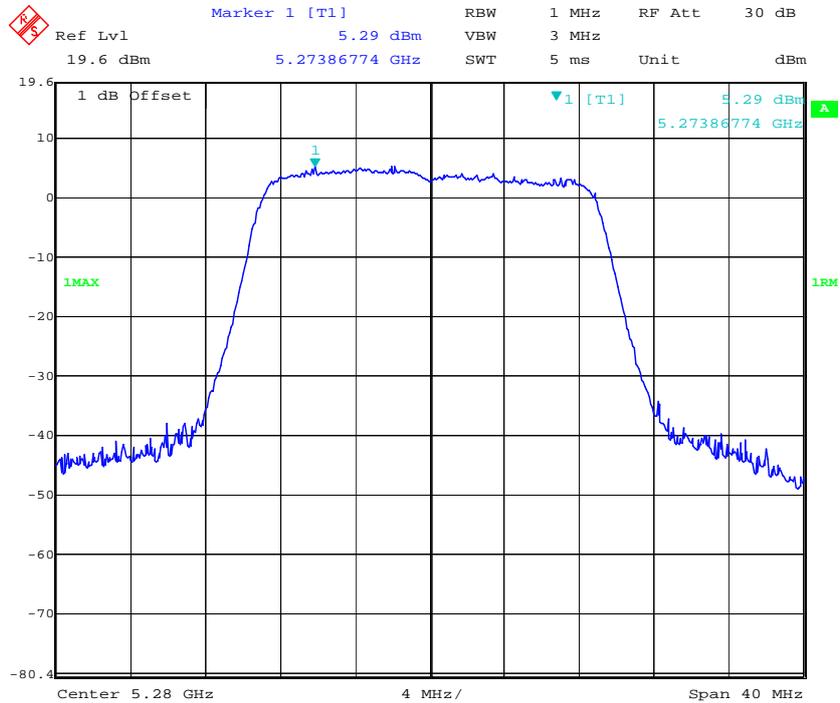


### 802.11a Low Channel – Chain1



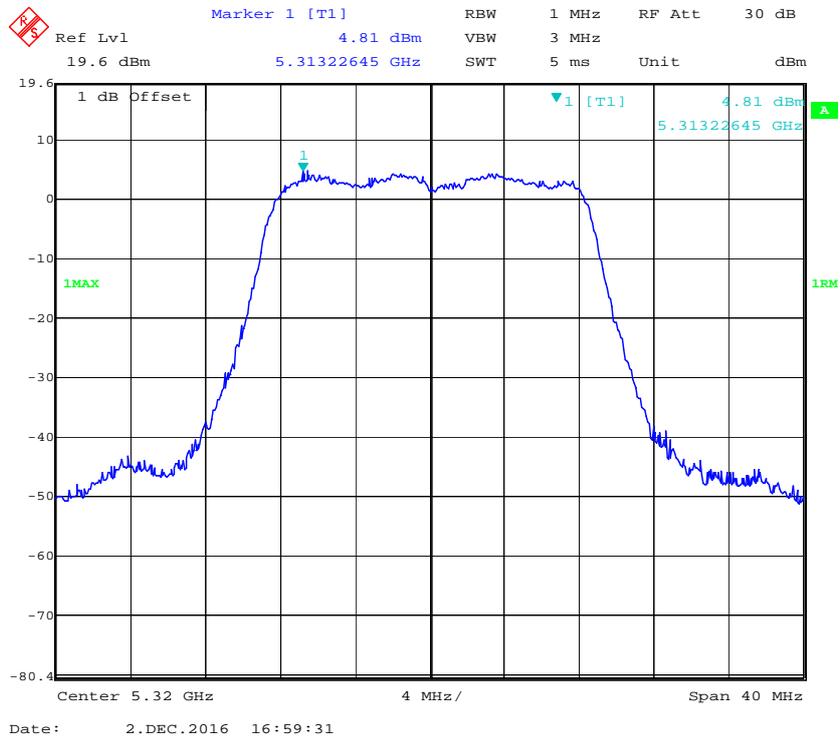
Date: 2.DEC.2016 17:50:32

### 802.11a Middle Channel – Chain1

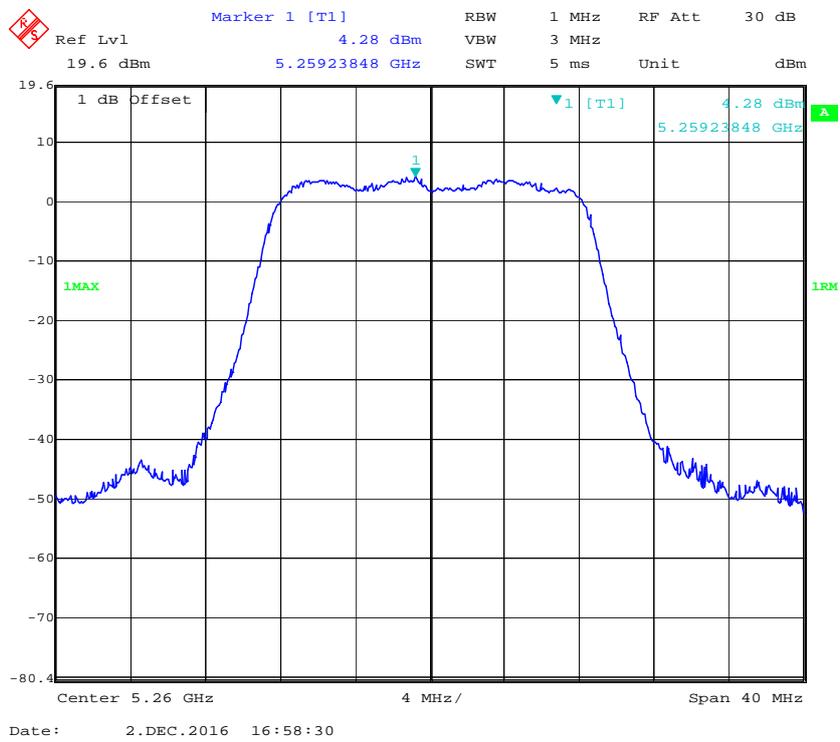


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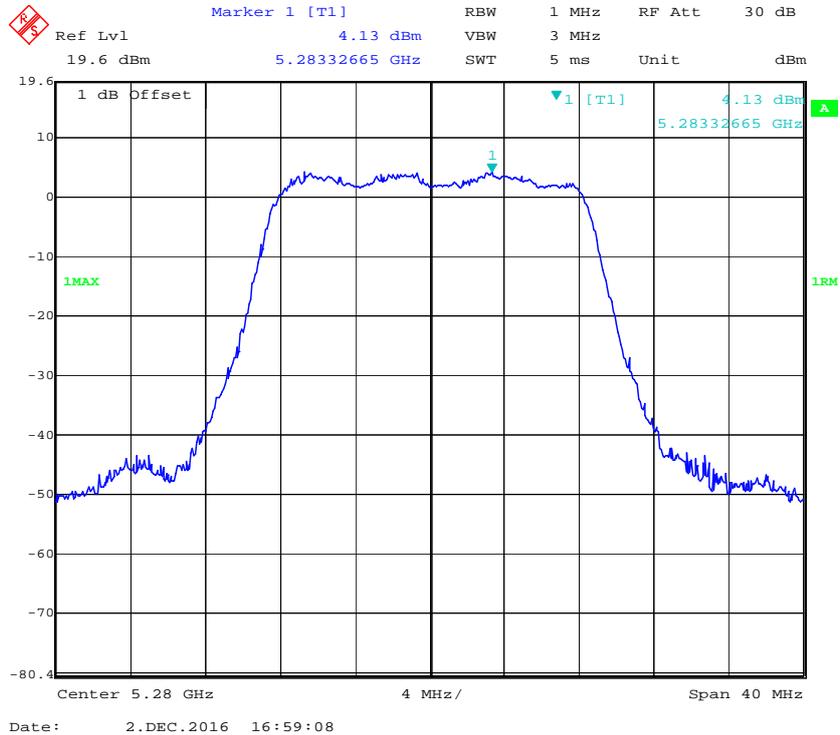
### 802.11a High Channel – Chain1



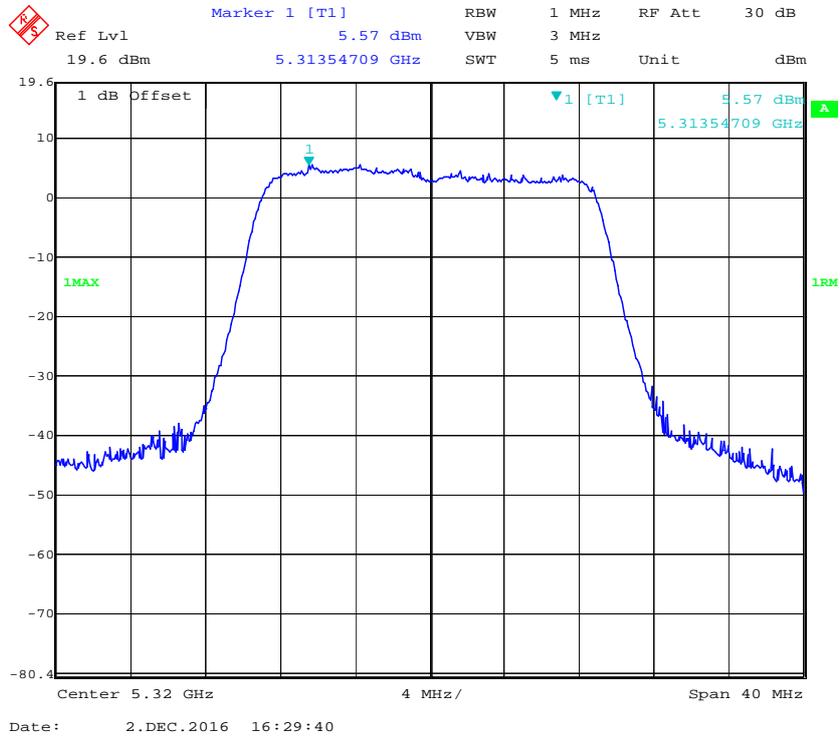
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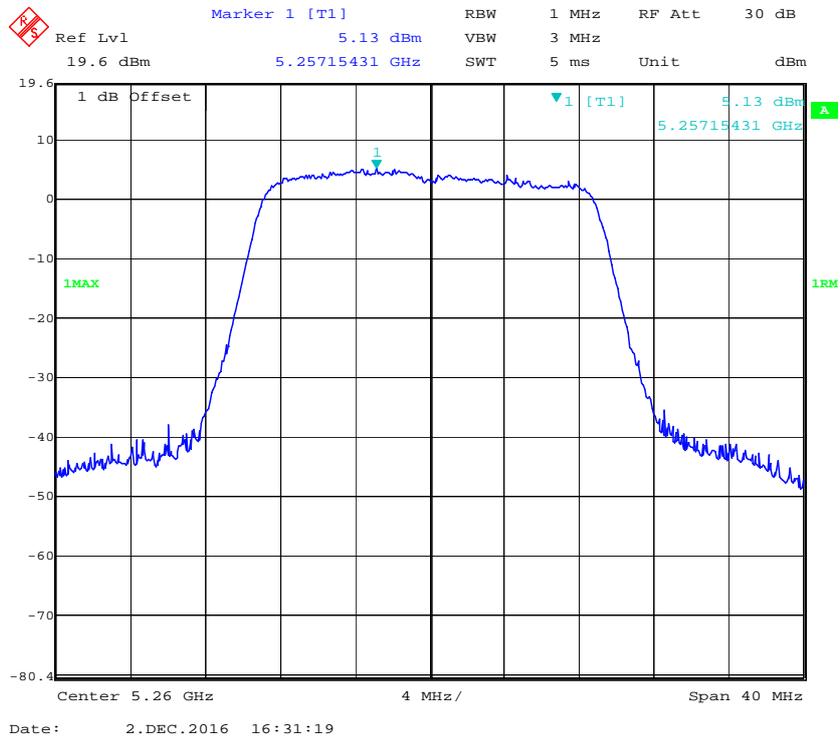
### 802.11n ht20 Middle Channel – Chain1



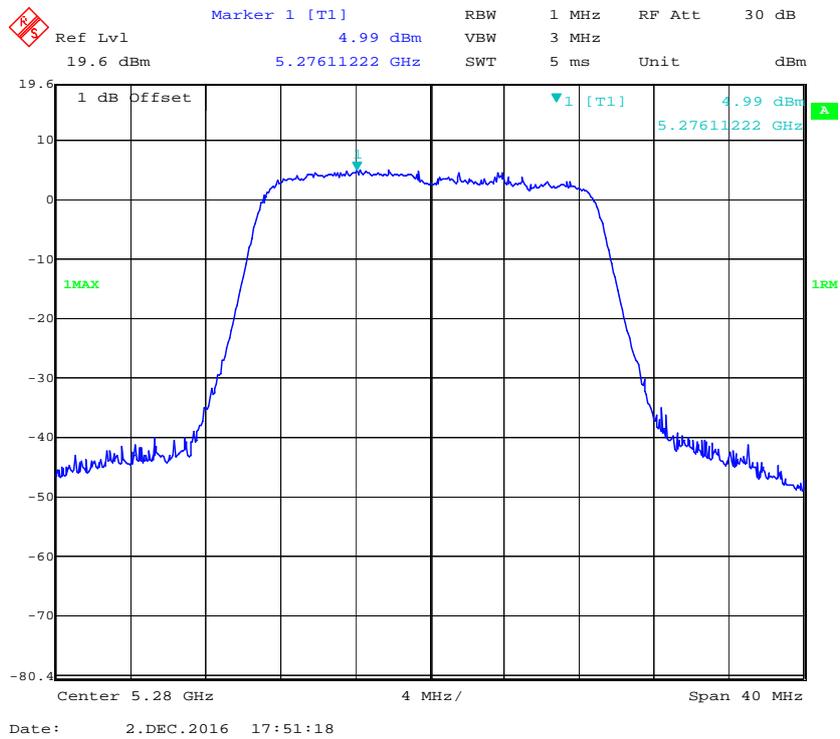
### 802.11n ht20 High Channel – Chain1



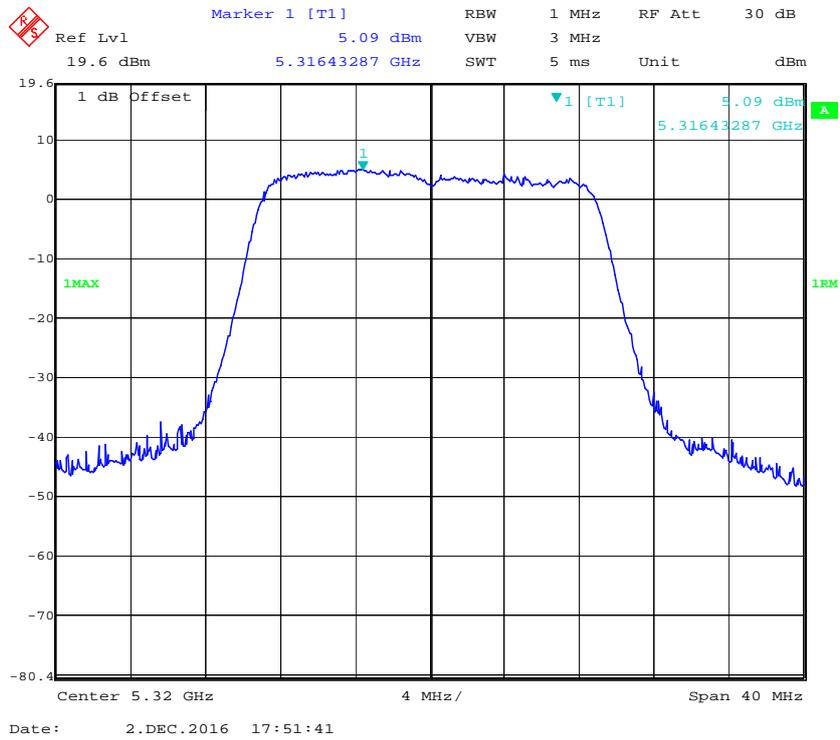
### 802.11 ac20 Low Channel – Chain1



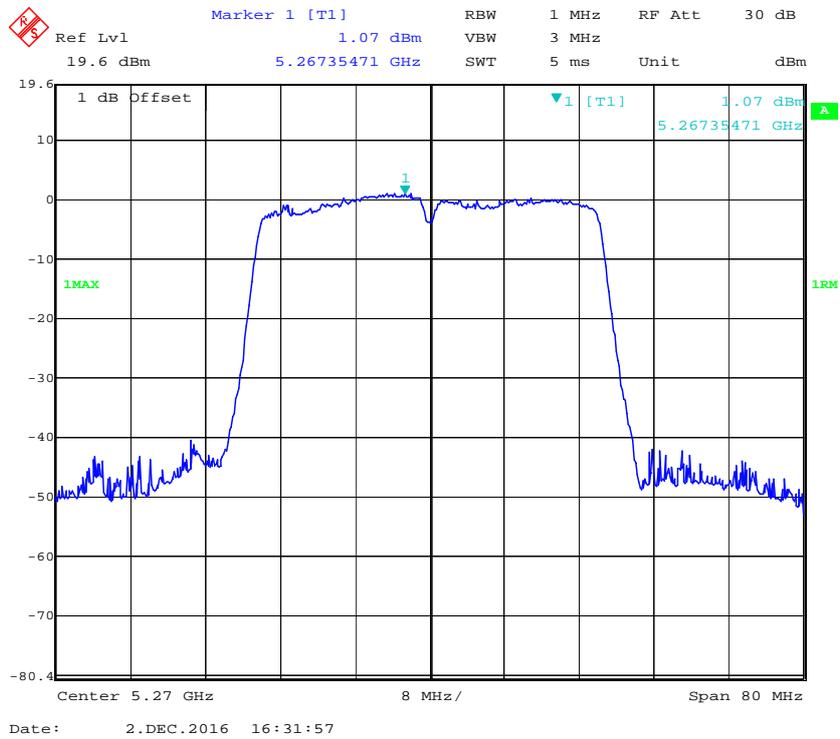
### 802.11 ac20 Middle Channel – Chain1



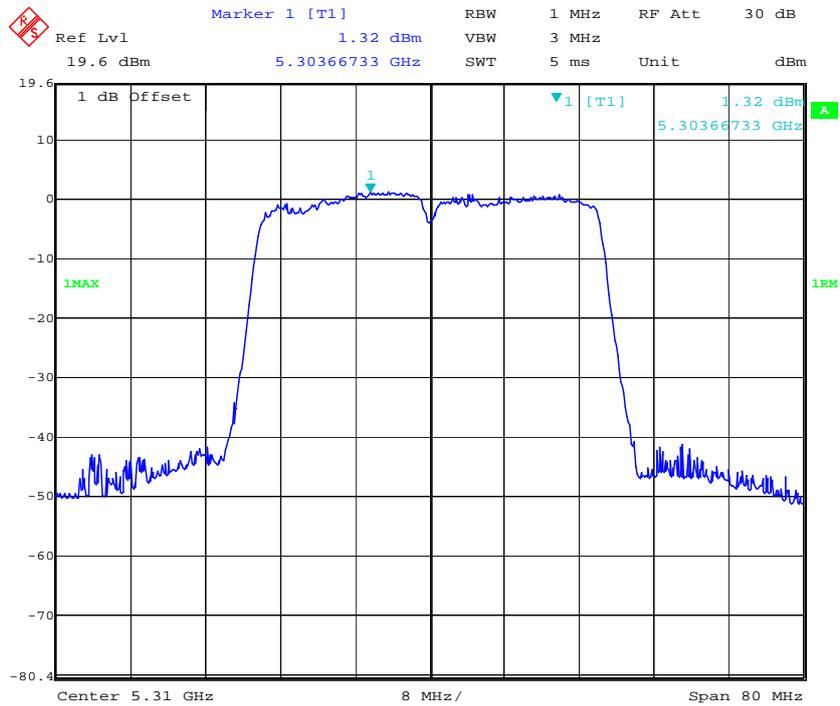
### 802.11 ac20 High Channel – Chain1



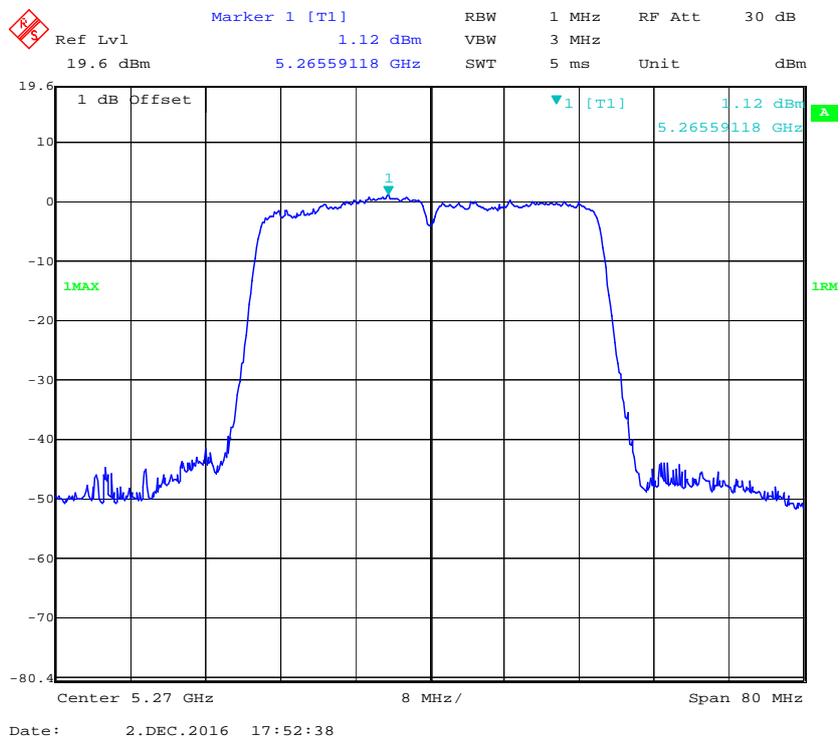
### 802.11n ht40 Low Channel – Chain1



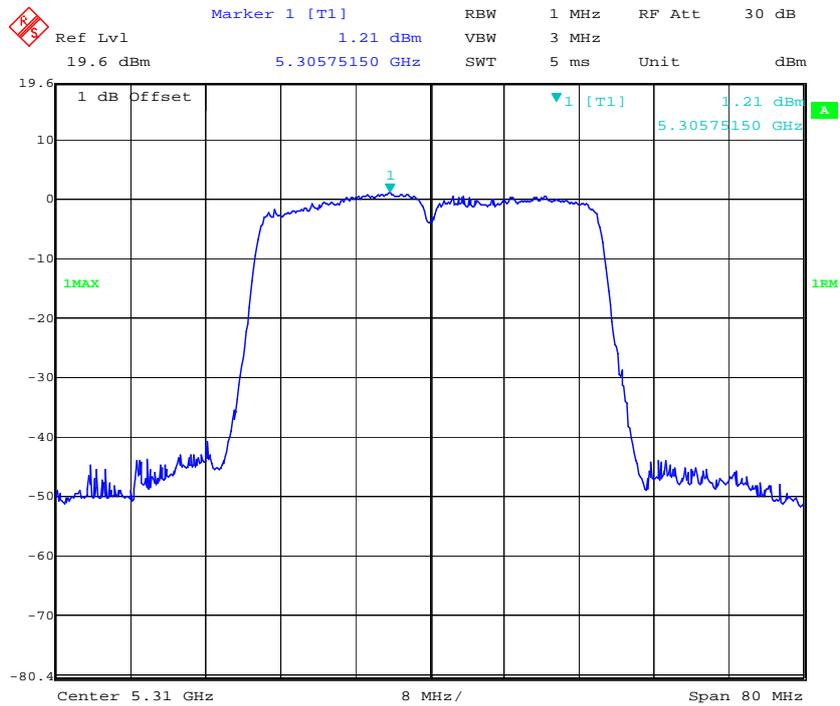
### 802.11n ht40 High Channel – Chain1



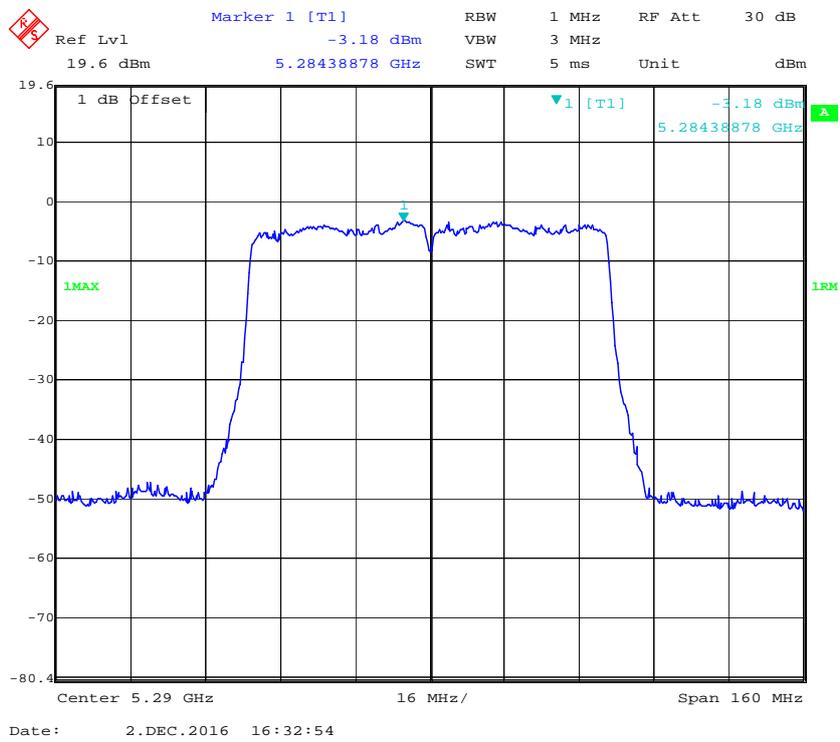
### 802.11 ac40 Low Channel – Chain1



### 802.11 ac40 High Channel – Chain1



### 802.11 ac80 Middle Channel – Chain1



5470-5725MHz:

1TX:

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB)	Total Power Spectral Density (dBm/MHz)		Limit (dBm/MHz)
			Chain 0	Chain 1		Chain 0	Chain 1	
802.11 a	Low	5500	7.24	6.6	0.22	7.46	6.82	11
	Middle	5600	6.74	6.64	0.22	6.96	6.86	11
	High	5700	6.31	6.66	0.22	6.53	6.88	11
	Crossed	5720	6.49	6.69	0.22	6.71	6.91	11
802.11 n20	Low	5500	5.15	6.16	0.22	5.37	6.38	11
	Middle	5600	5.00	6.53	0.22	5.22	6.75	11
	High	5700	4.59	6.98	0.22	4.81	7.2	11
	Crossed	5720	4.05	6.43	0.22	4.27	6.65	11
802.11 ac20	Low	5500	6.97	6.58	0.22	7.19	6.8	11
	Middle	5600	6.47	6.52	0.22	6.69	6.74	11
	High	5700	6.01	6.42	0.22	6.23	6.64	11
	Crossed	5720	5.81	6.47	0.22	6.03	6.69	11
802.11 n40	Low	5510	2.2	1.42	0.46	2.66	1.88	11
	Middle	5590	1.82	1.42	0.46	2.28	1.88	11
	High	5670	1.4	1.56	0.46	1.86	2.02	11
	Crossed	5710	1.66	1.65	0.46	2.12	2.11	11
802.11 ac40	Low	5510	2.21	1.5	0.51	2.72	2.01	11
	Middle	5590	1.91	1.36	0.51	2.42	1.87	11
	High	5670	1.38	1.57	0.51	1.89	2.08	11
	Crossed	5710	1.46	1.59	0.51	1.97	2.1	11
802.11 ac80	Low	5530	-1.93	-2.53	0.76	-1.17	-1.77	11
	High	5610	-2.9	-2.7	0.76	-2.14	-1.94	11
	Crossed	5690	-3.11	-2.73	0.76	-2.35	-1.97	11

2TX:

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB)	Total (dBm/MHz)	Limit (dBm/MHz)
			Chain 0	Chain 1			
802.11 a	Low	5500	5.1	5.23	0.22	8.40	8.6
	Middle	5600	4.72	5.68	0.22	8.46	8.6
	High	5700	5.23	5.82	0.22	8.77	8.6
	Crossed	5720	4.57	5.81	0.22	8.46	8.6
802.11 n20	Low	5500	5	4.62	0.22	8.04	8.6
	Middle	5600	4.59	6.04	0.22	8.54	8.6
	High	5700	4.05	5.72	0.22	8.20	8.6
	Crossed	5720	4.2	6.09	0.22	8.48	8.6
802.11 ac20	Low	5500	5.15	4.74	0.22	8.18	8.6
	Middle	5600	4.71	5.87	0.22	8.56	8.6
	High	5700	3.81	5.51	0.22	7.97	8.6
	Crossed	5720	4.26	6.12	0.22	8.52	8.6
802.11 n40	Low	5510	2.43	1.94	0.46	5.66	8.6
	Middle	5590	1.82	2.73	0.46	5.77	8.6
	High	5670	1.18	2.61	0.46	5.42	8.6
	Crossed	5710	1.31	3.05	0.46	5.74	8.6
802.11 ac40	Low	5510	2.07	1.95	0.51	5.53	8.6
	Middle	5590	1.89	2.67	0.51	5.82	8.6
	High	5670	1.36	2.49	0.51	5.48	8.6
	Crossed	5710	1.27	3.21	0.51	5.87	8.6
802.11 ac80	Low	5530	-2.2	-2.43	0.76	1.46	8.6
	High	5610	-2.78	-1.65	0.76	1.59	8.6
	Crossed	5690	-3.1	-1.74	0.76	1.40	8.6

Note: the device is a master device. the 2 antenna maximum antenna gain are 5.4dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

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

So:

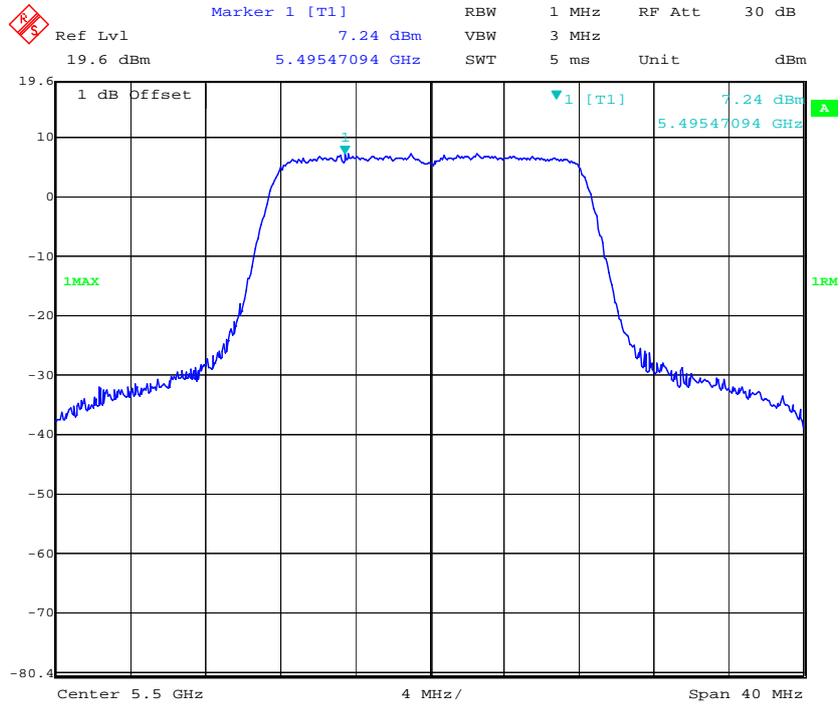
$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 5.4 + 10 \cdot \log(2) = 8.4 \text{ dBi} > 6\text{dBi}$$

The PSD limit should reduce 2.4dB.

Note 2: For cross channels, the maximum test result meets the requirements of 5470-5725MHz, which is stricter than the requirements of 5725-5850MHz band,

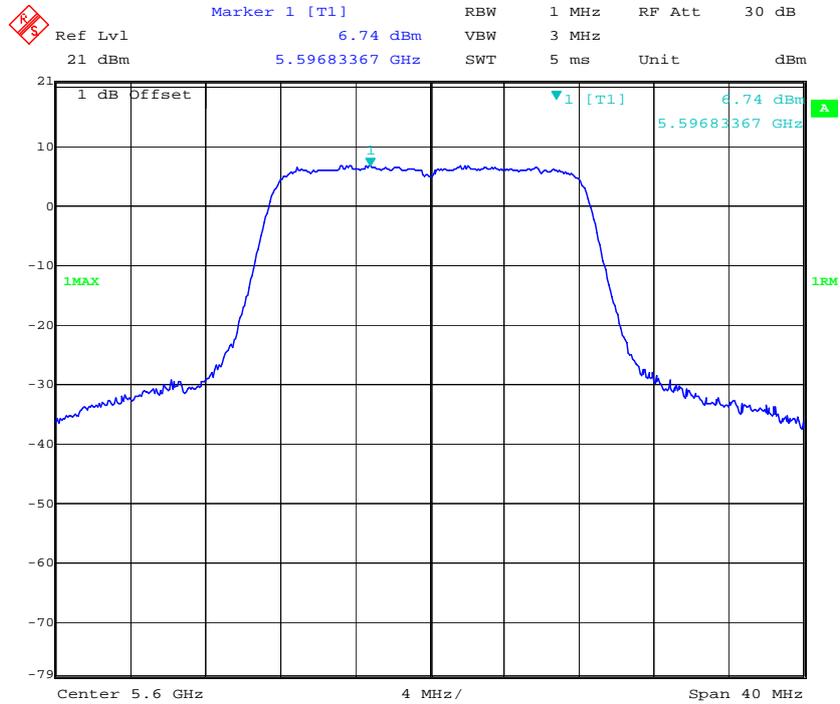
1TX

### 802.11a 5500MHz – Chain0



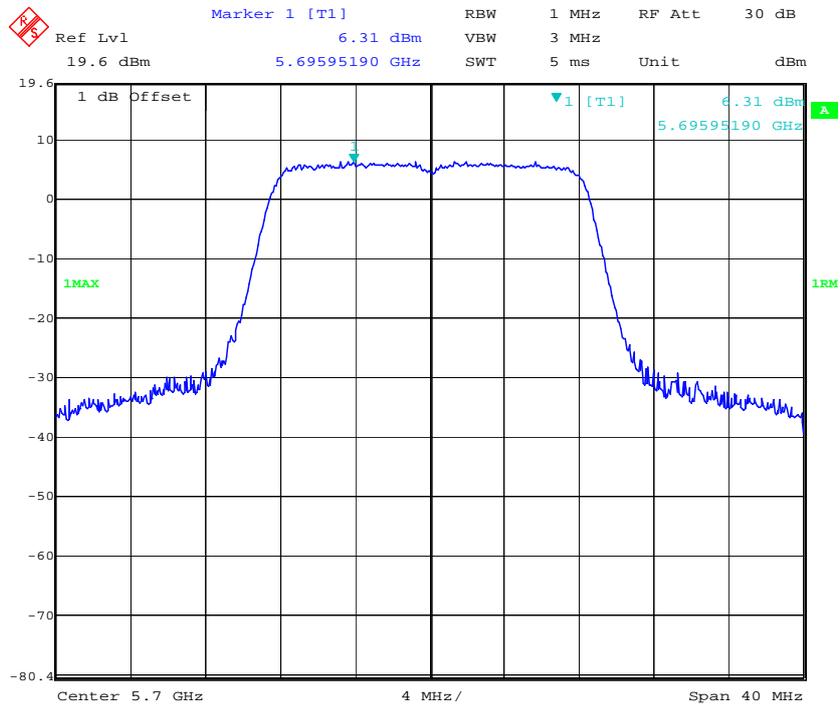
Date: 2.DEC.2016 11:24:56

### 802.11a 5600MHz – Chain0



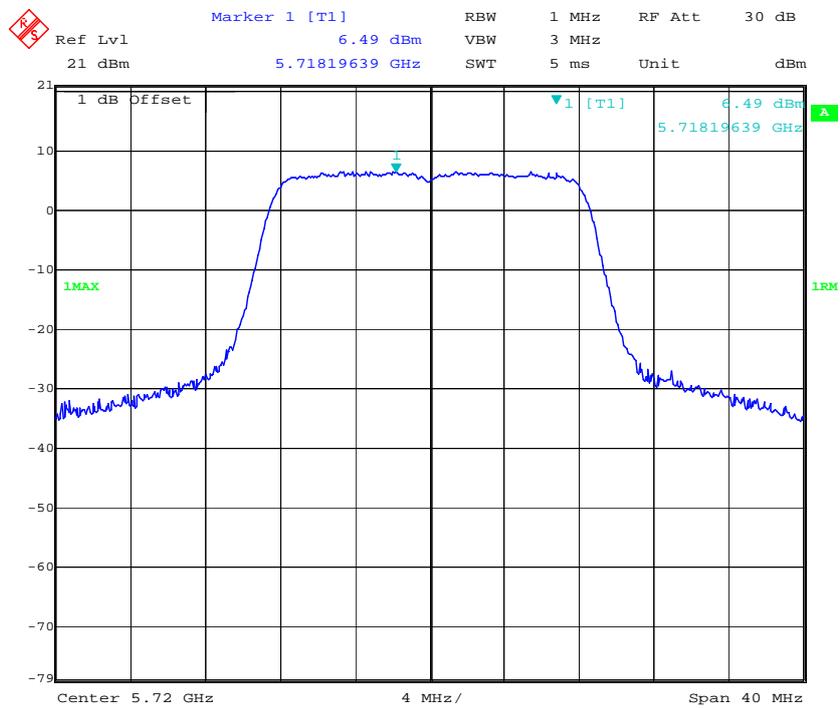
Date: 3.DEC.2016 11:40:38

### 802.11a 5700MHz – Chain0



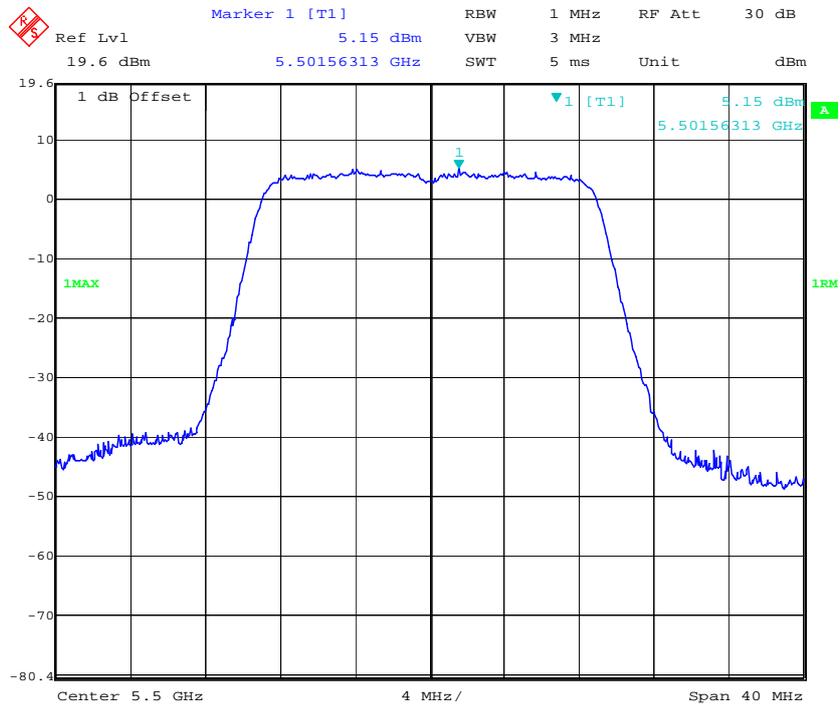
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### 802.11a 5720MHz – Chain0

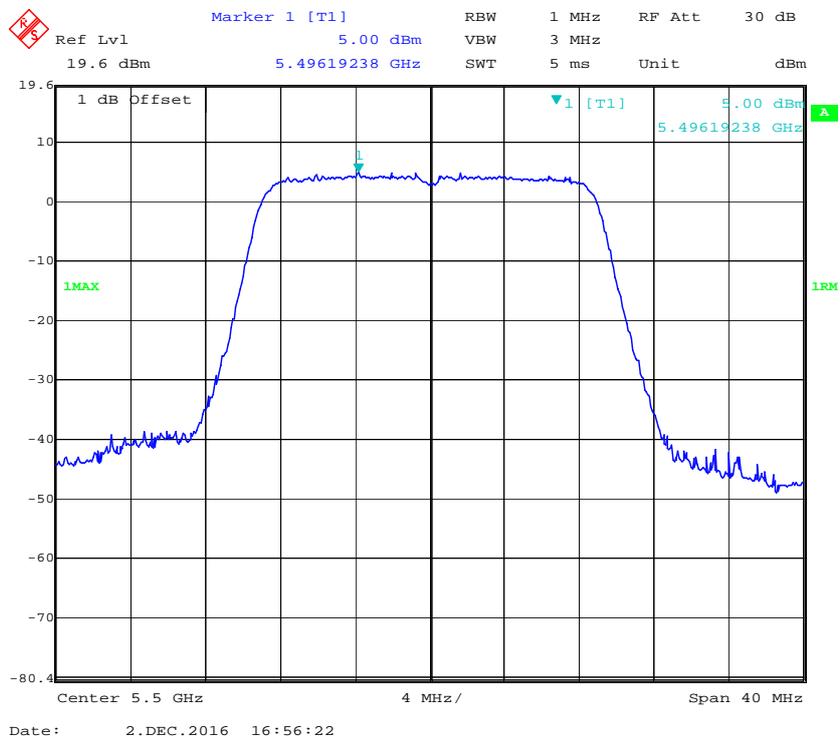


Date: 3.DEC.2016 11:41:15

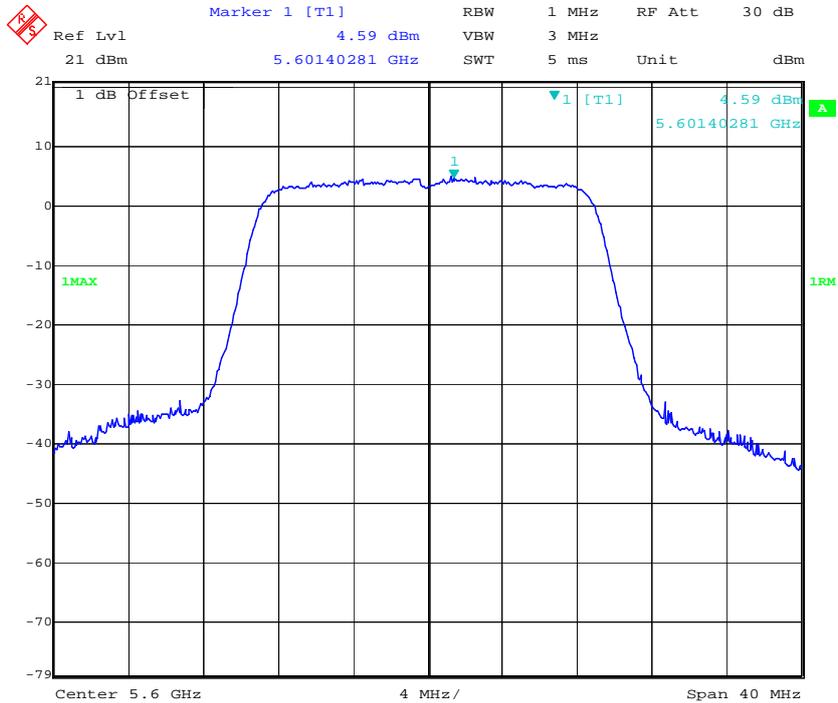
### 802.11n ht20 5500MHz- Chain0



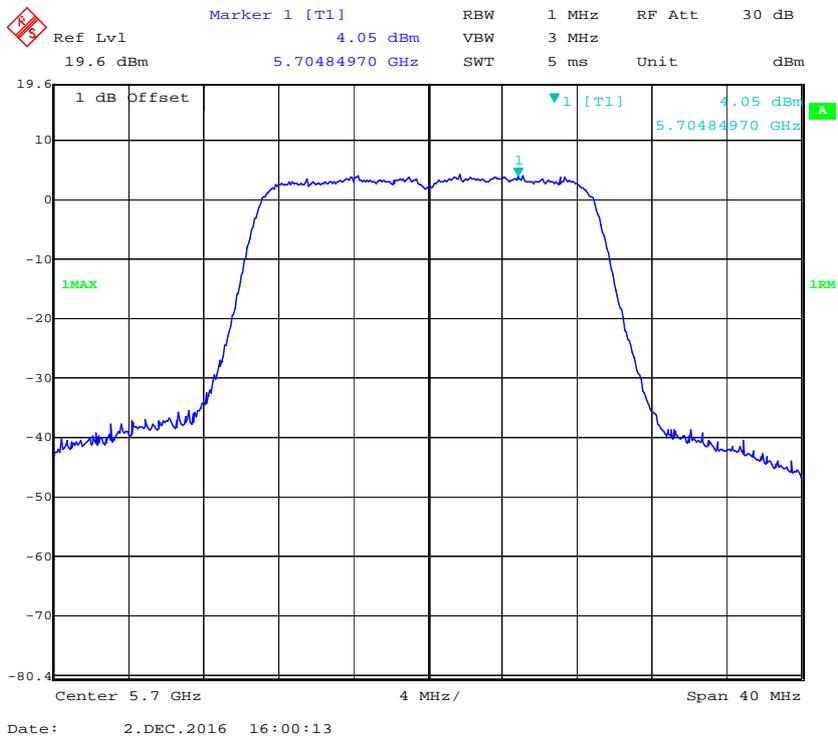
### 802.11n ht20 5600MHz- Chain0



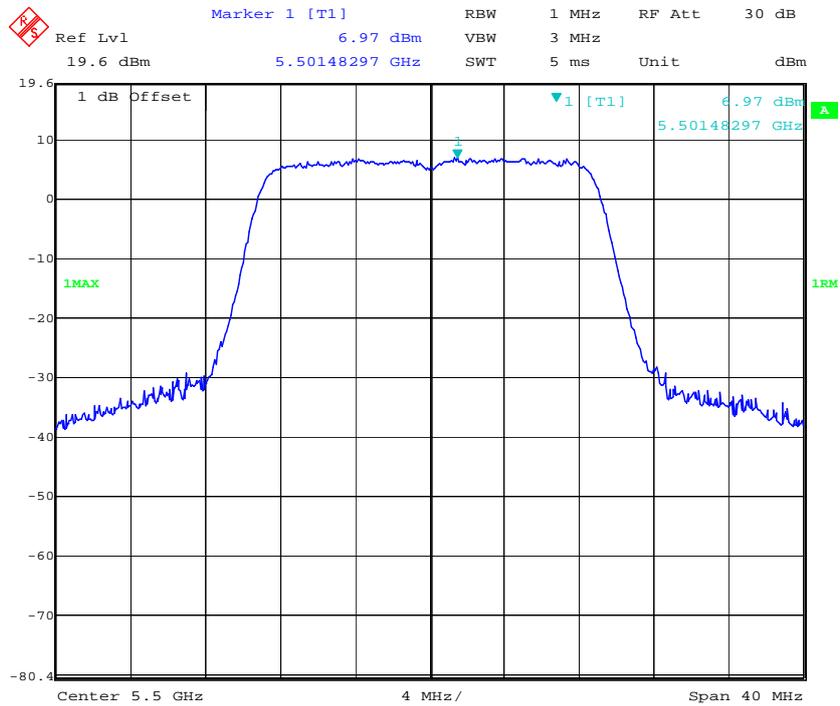
### 802.11n ht20 5700MHz- Chain0



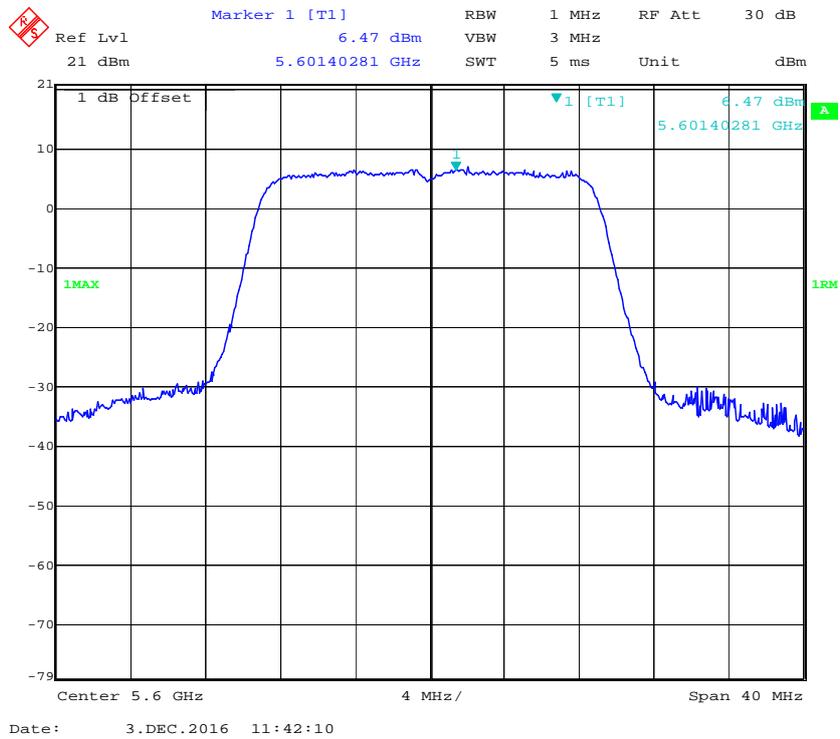
### 802.11n ht20 5720MHz- Chain0



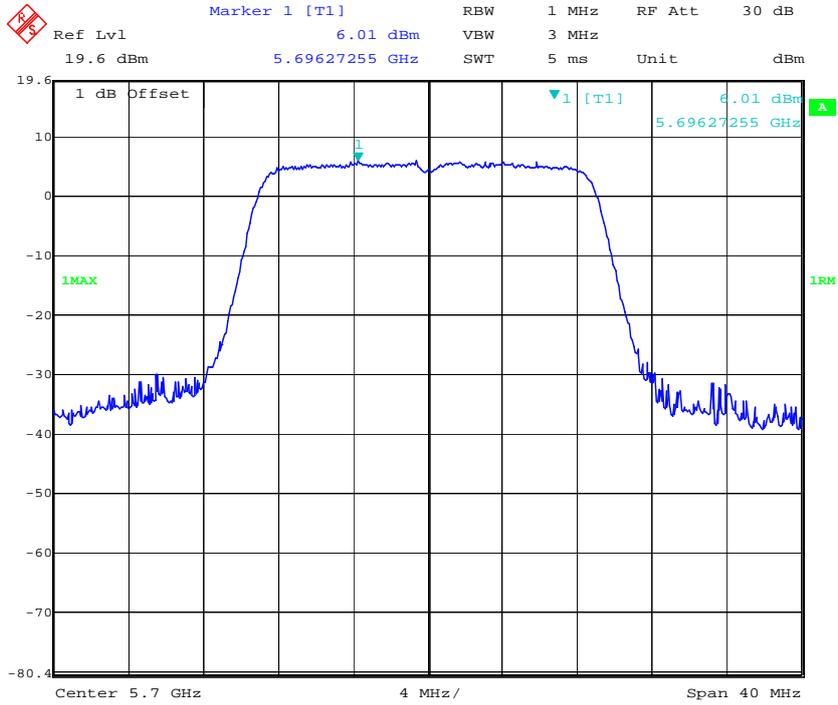
### 802.11 ac20 5500MHz – Chain0



### 802.11 ac20 5600MHz – Chain0

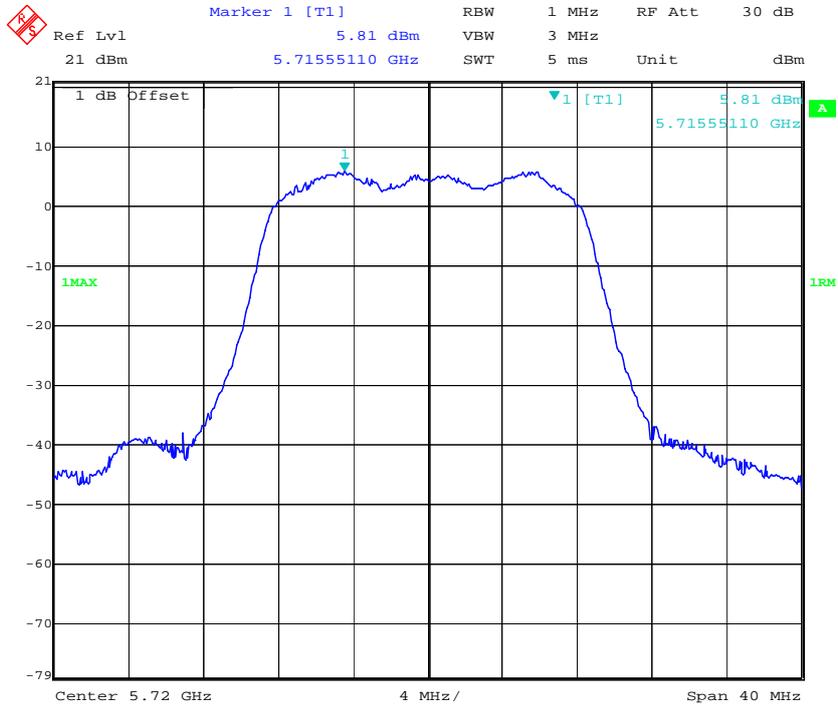


### 802.11 ac20 5700MHz – Chain0



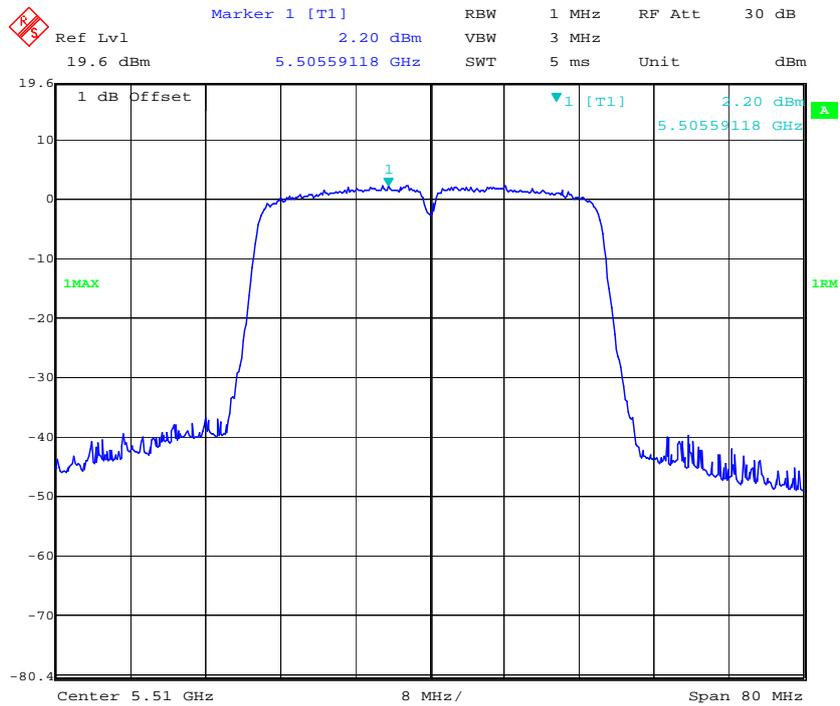
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### 802.11 ac20 5720MHz – Chain0

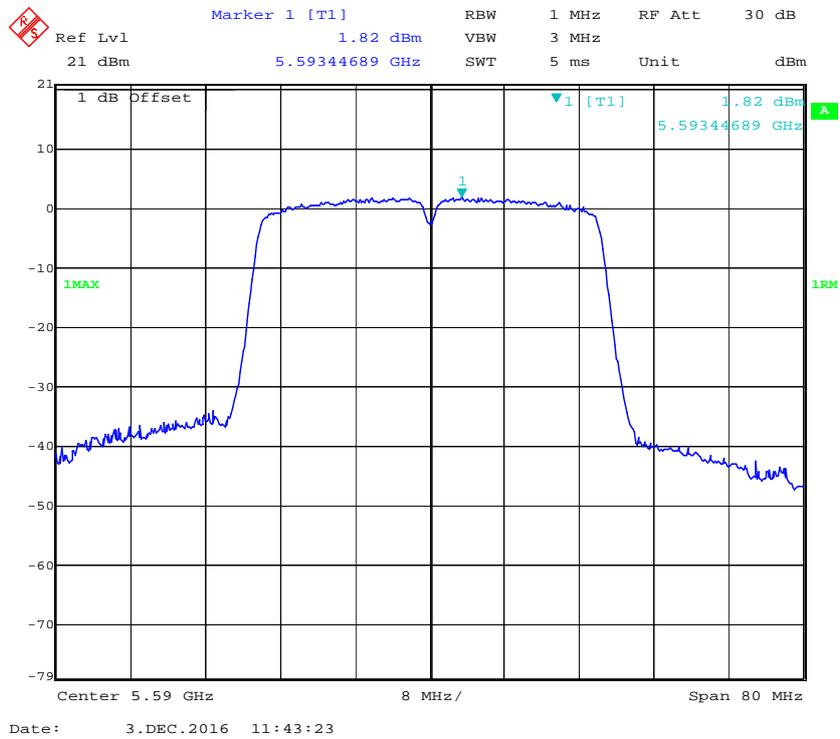


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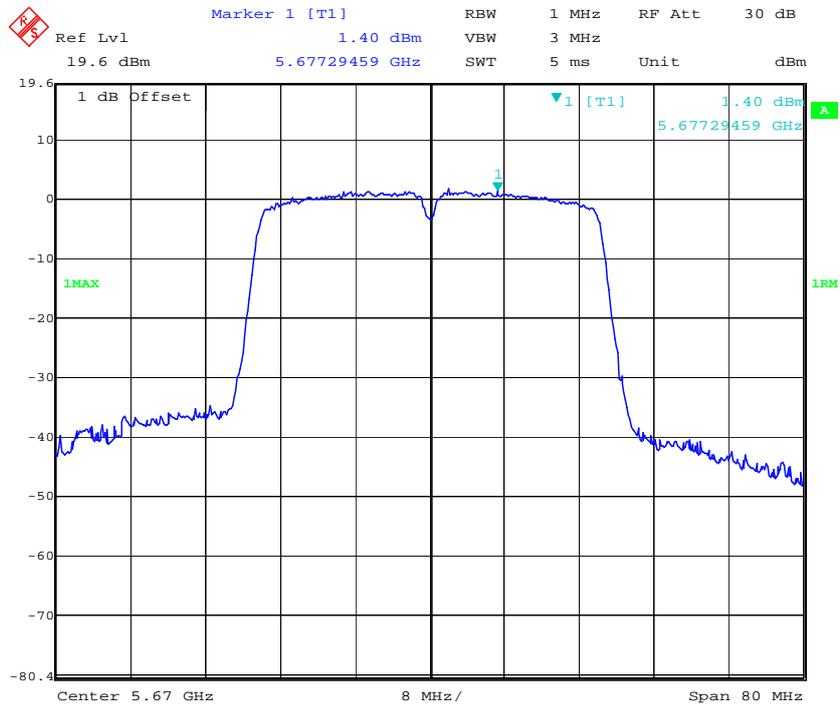
### 802.11n ht40 5510MHz – Chain0



### 802.11n ht40 5590MHz – Chain0

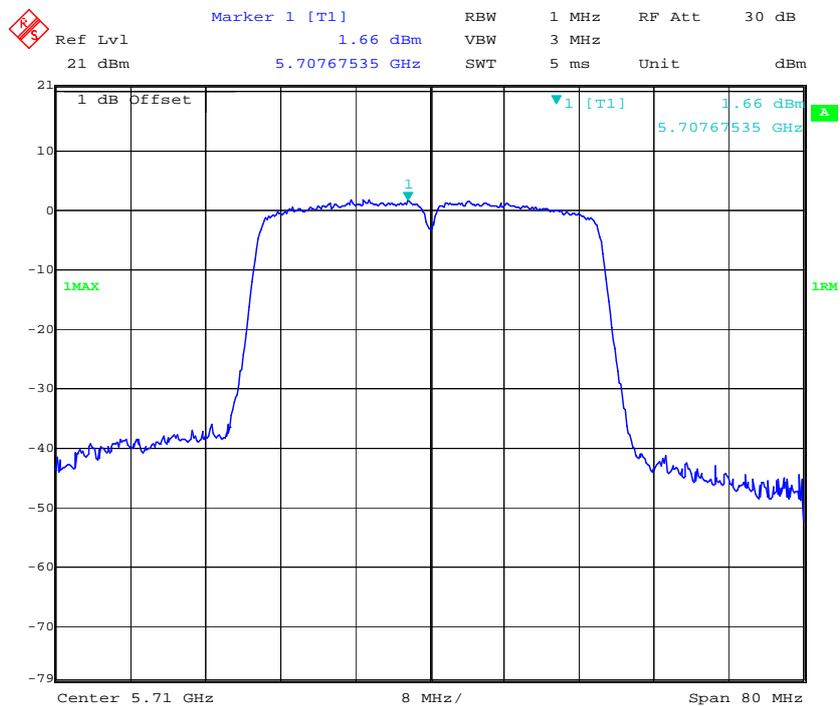


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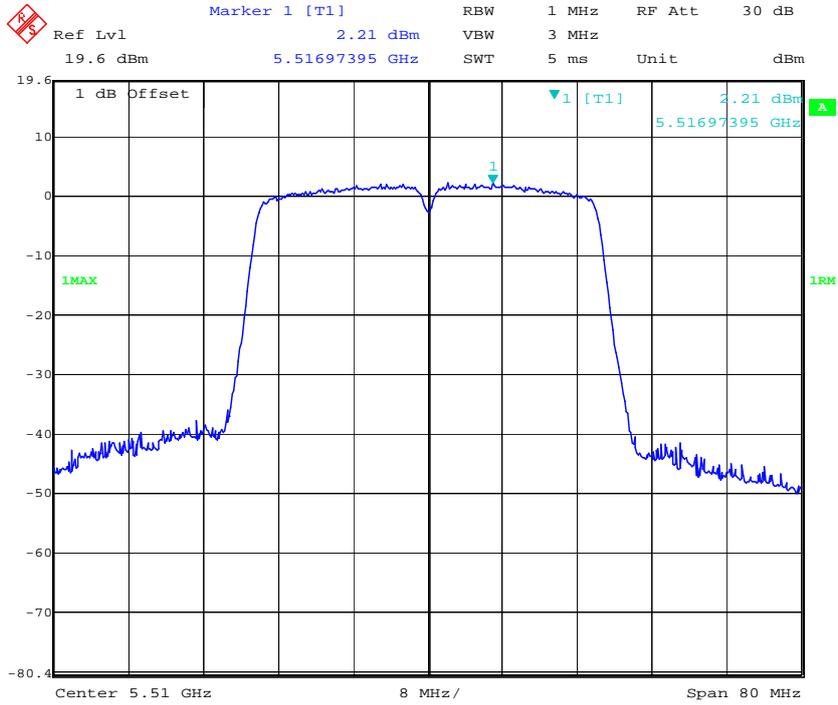
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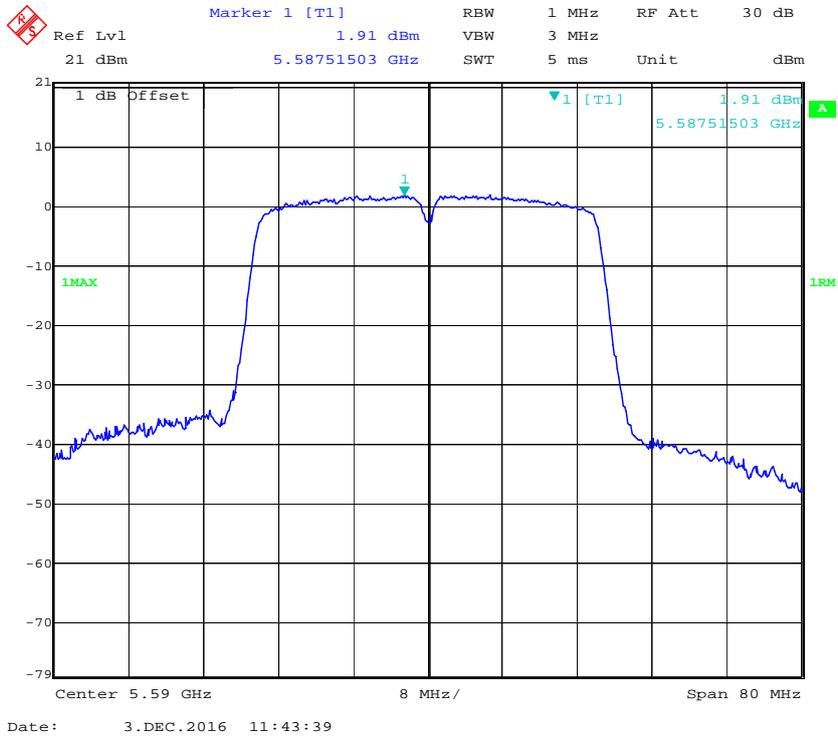


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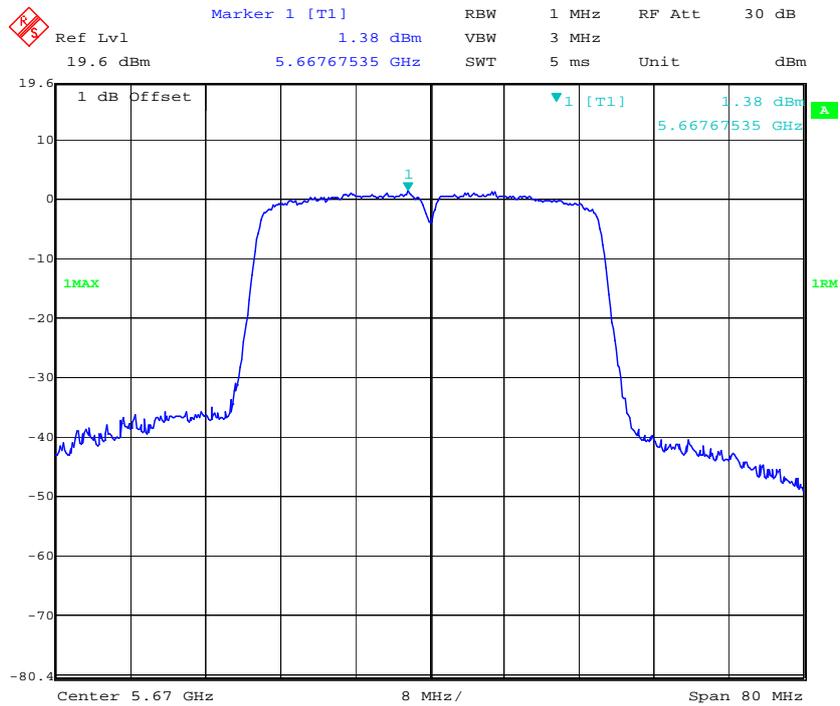
### 802.11 ac40 5510MHz – Chain0



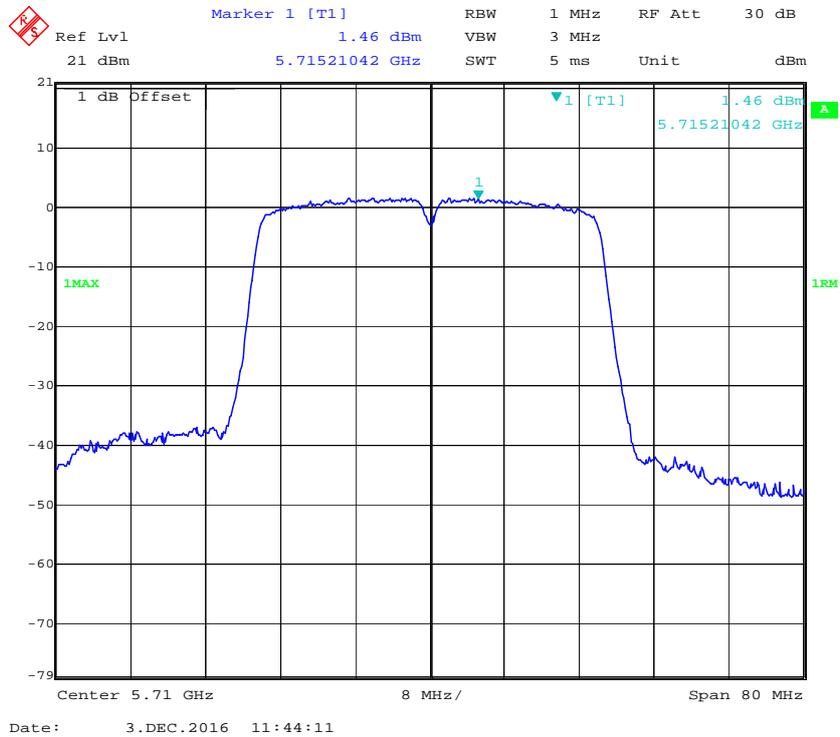
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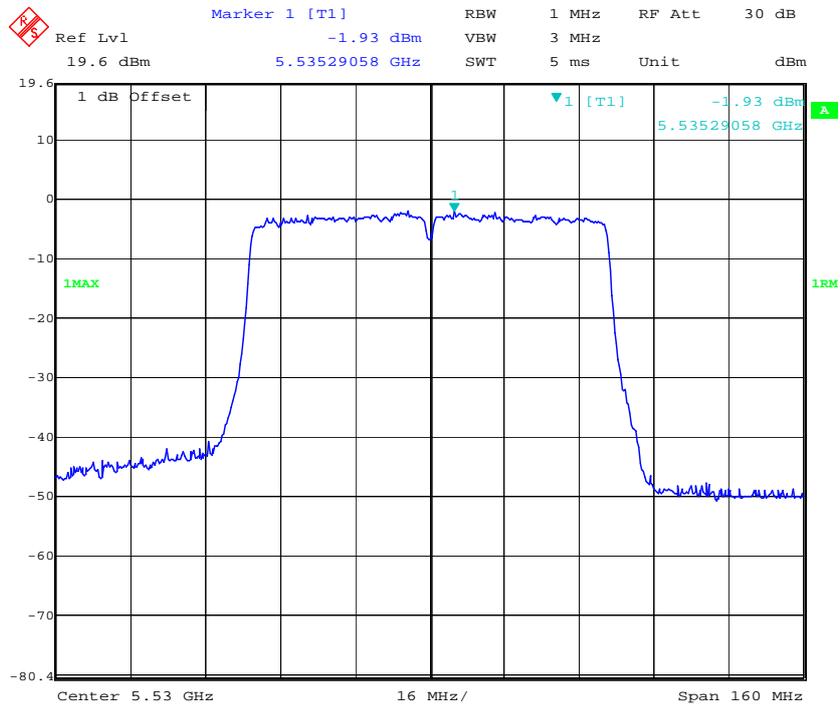
### 802.11 ac40 5670MHz – Chain0



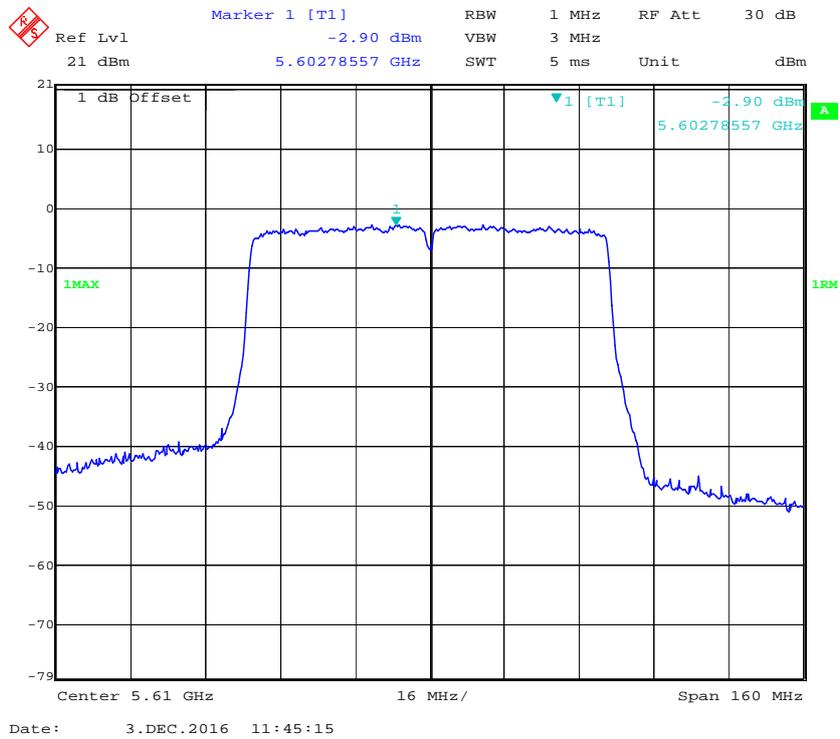
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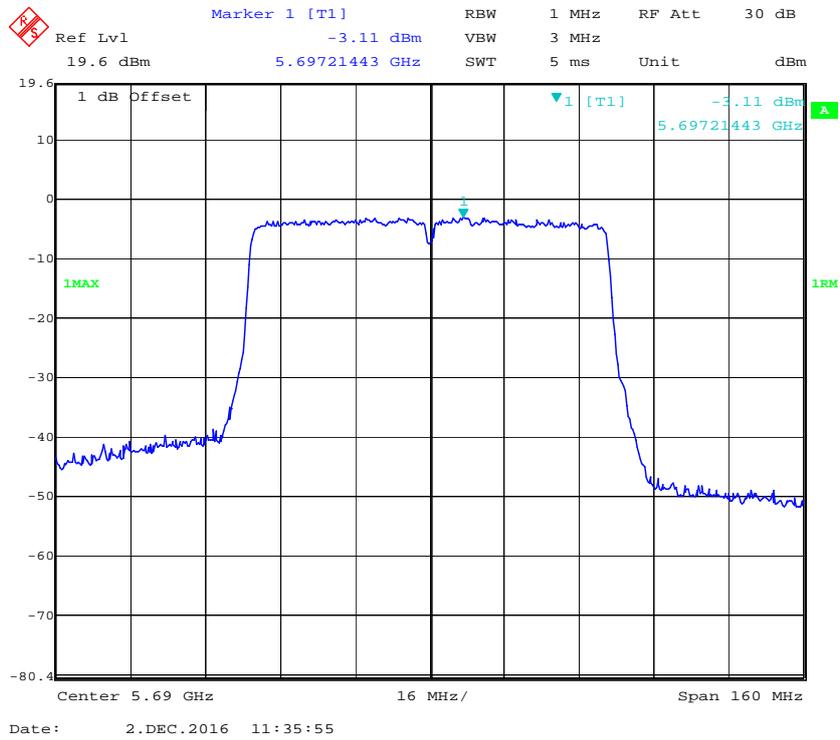
### 802.11 ac80 5530MHz – Chain0



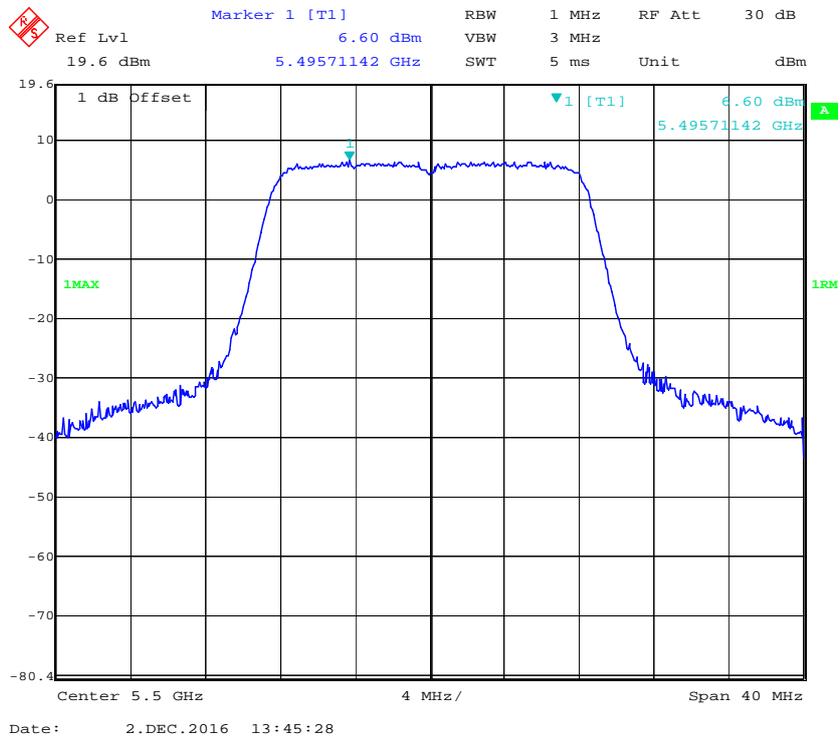
### 802.11 ac80 5610MHz – Chain0



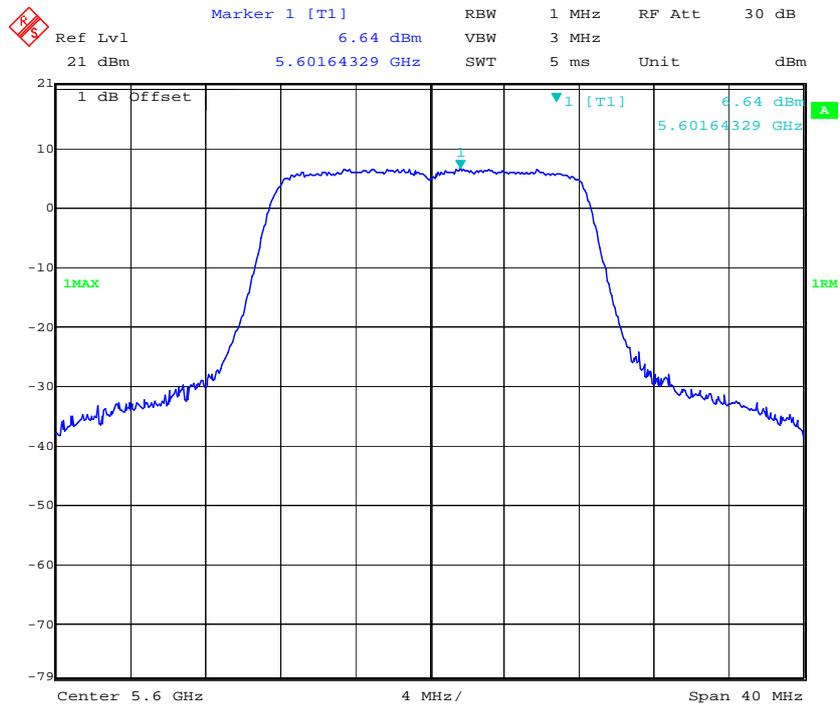
### 802.11 ac80 5690MHz – Chain0



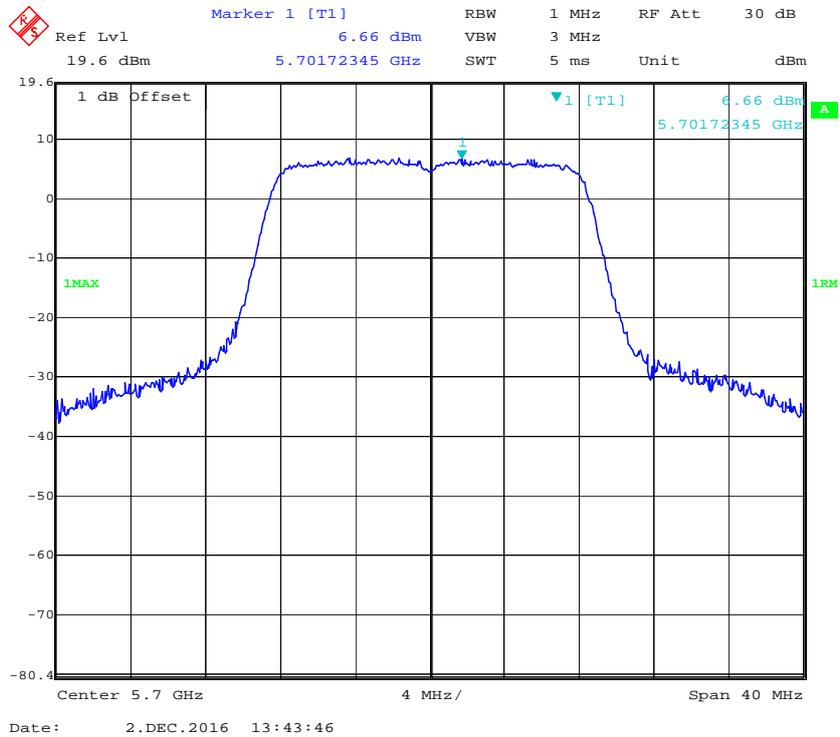
### 802.11a 5500MHz – Chain1



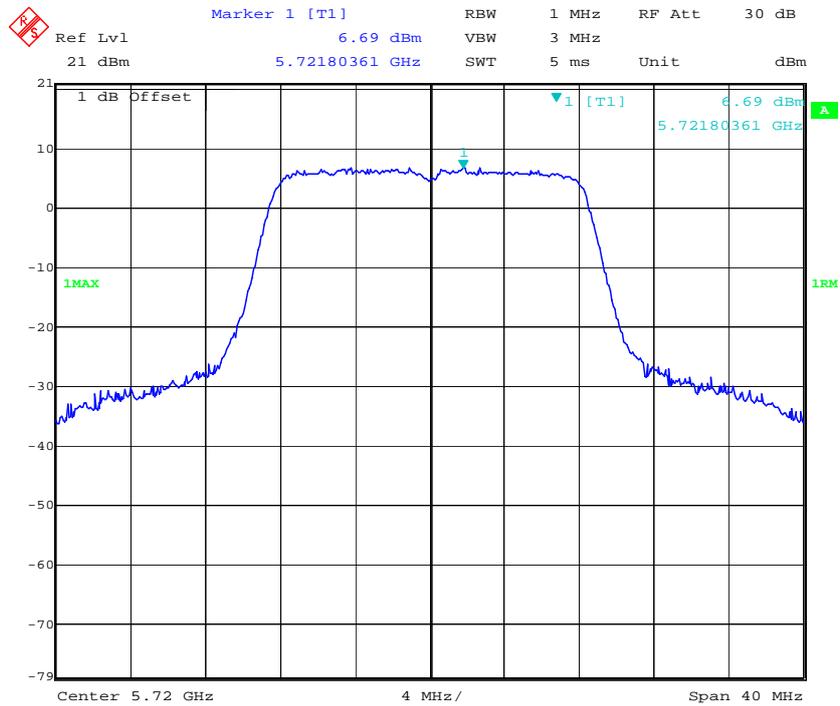
### 802.11a 5600MHz – Chain1



### 802.11a 5700MHz – Chain1

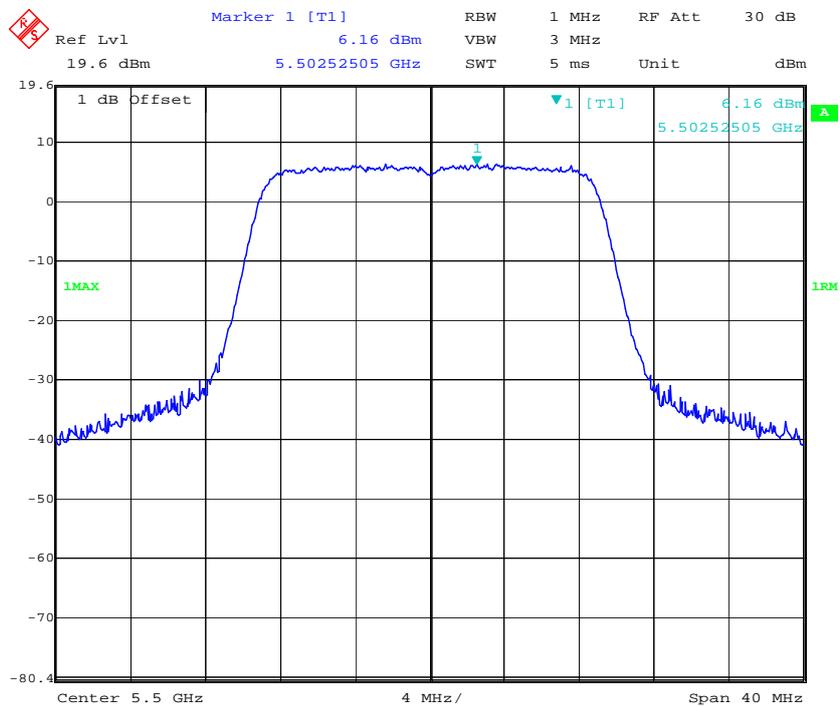


### 802.11a 5720MHz – Chain1



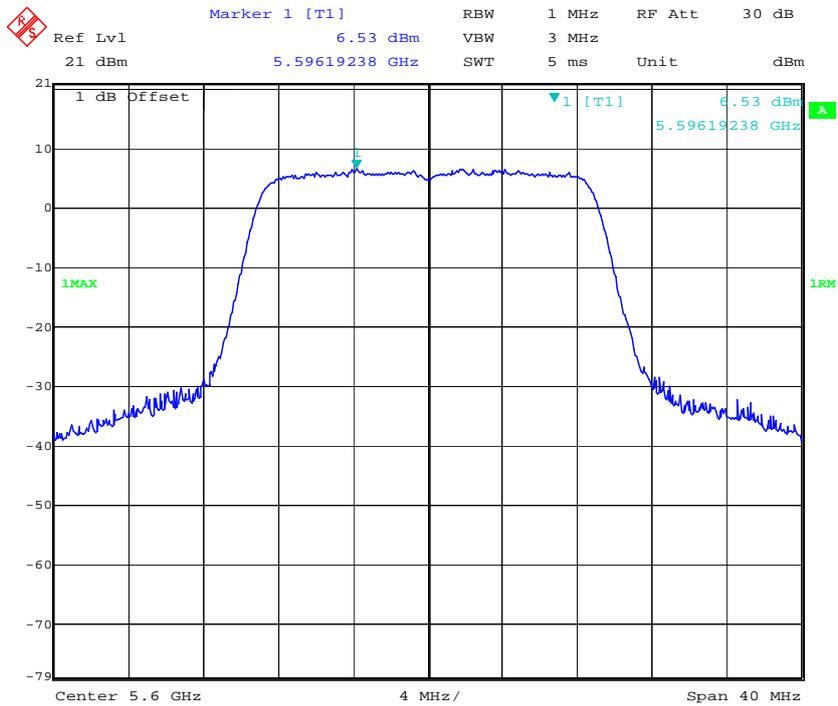
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### 802.11n ht20 5500MHz– Chain1



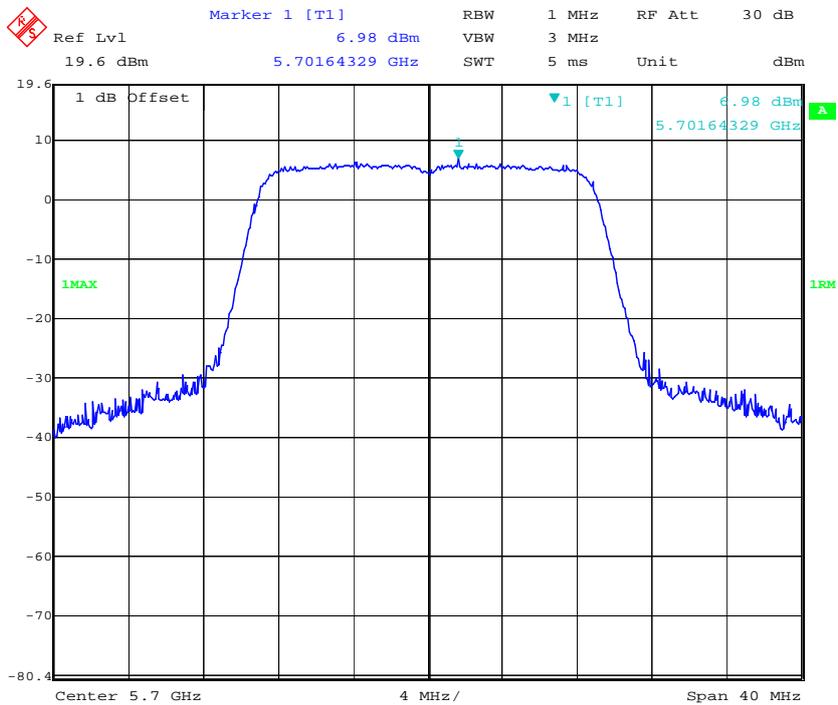
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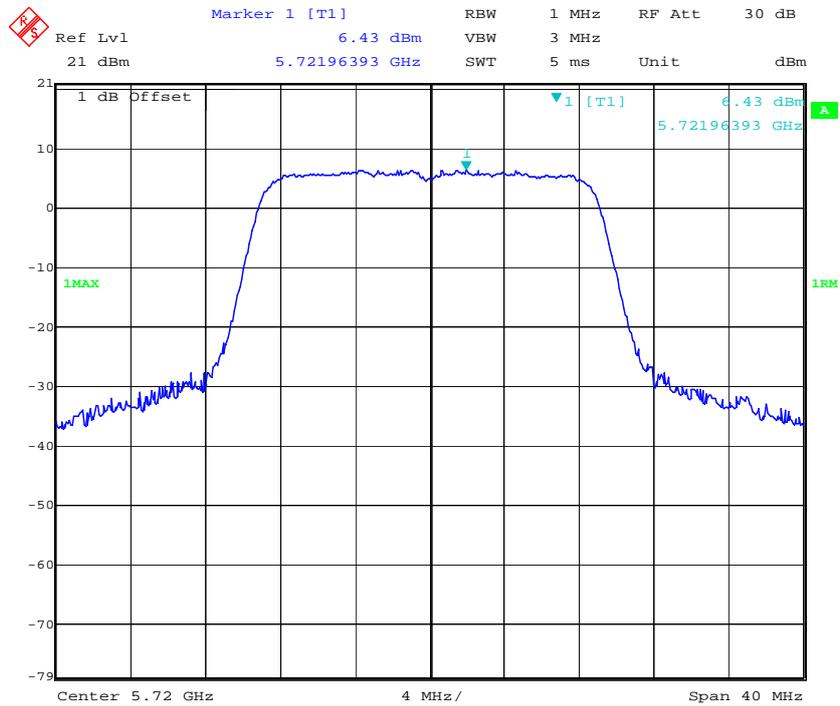
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### 802.11n ht20 5700MHz- Chain1



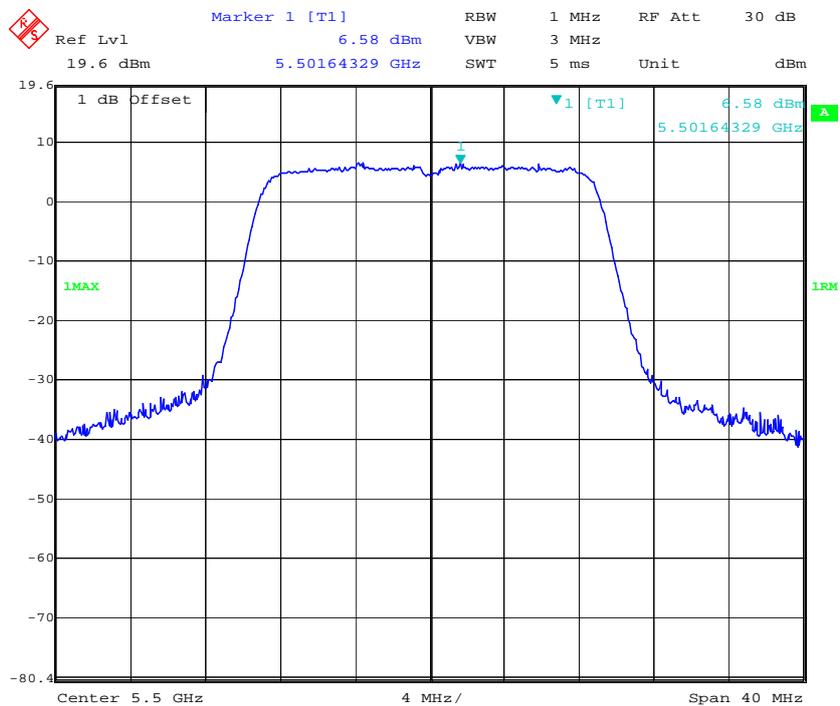
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### 802.11n ht20 5720MHz- Chain1



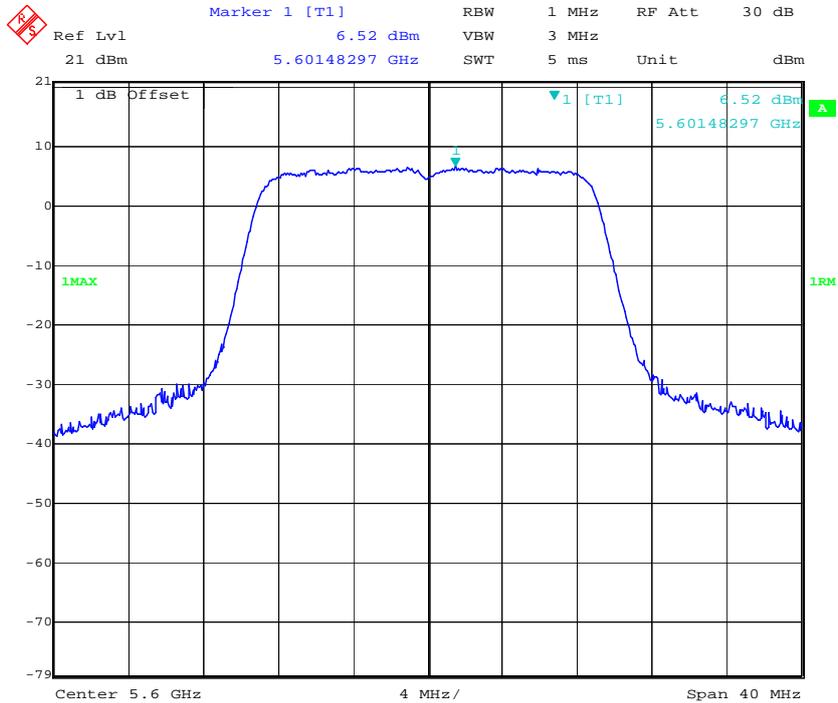
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### 802.11 ac20 5500MHz - Chain1



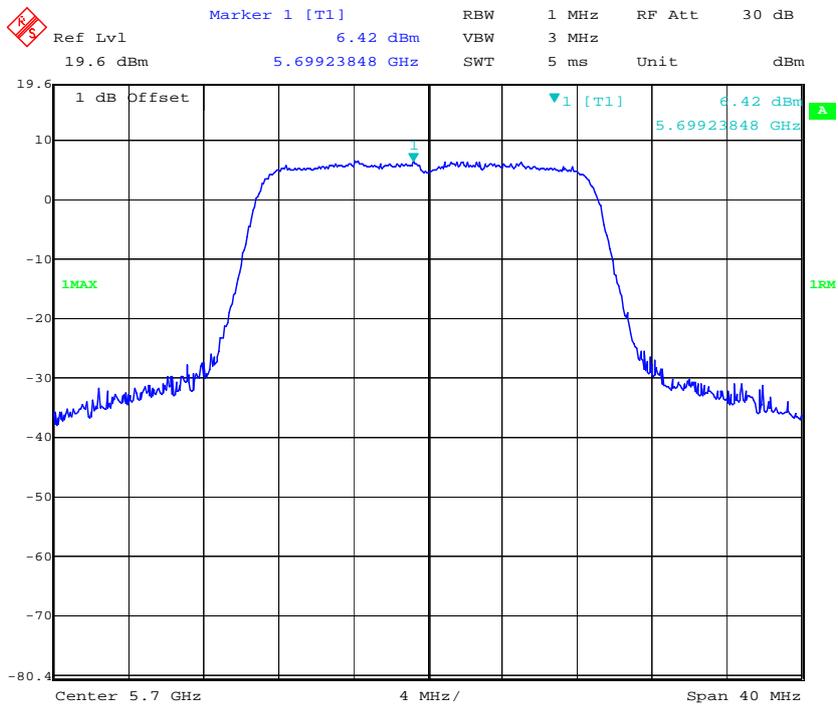
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### 802.11 ac20 5600MHz – Chain1



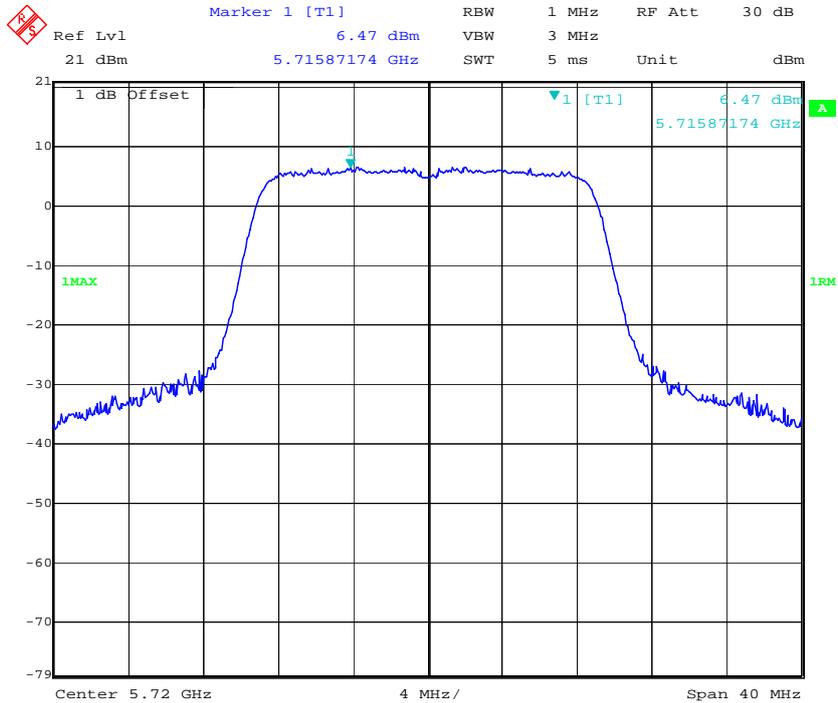
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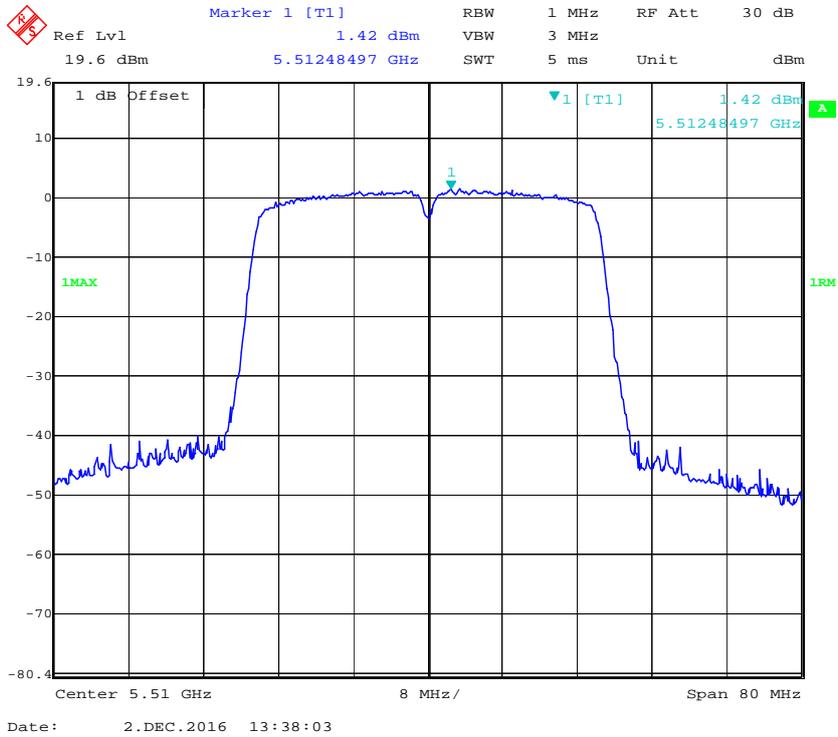


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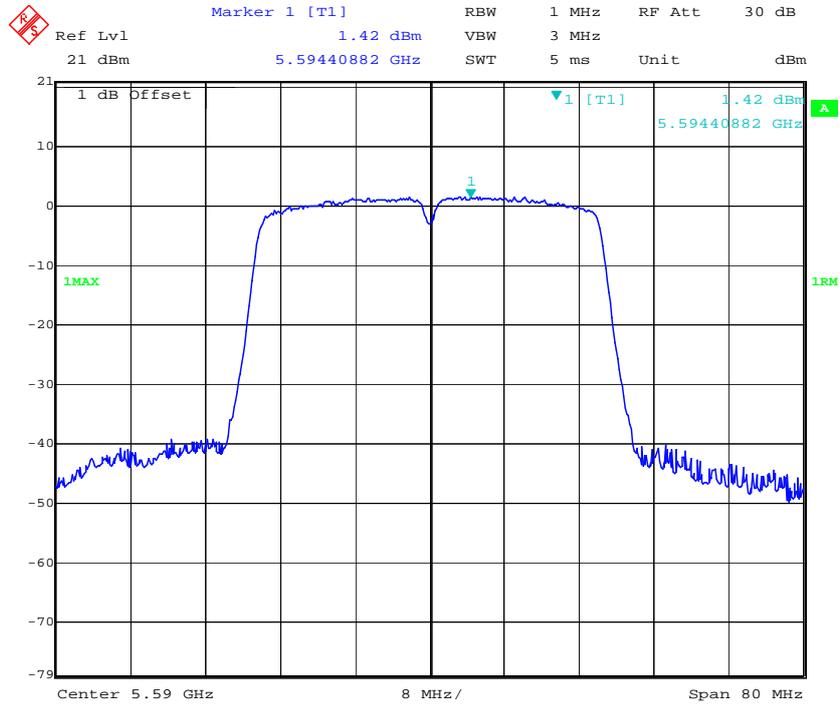
### 802.11 ac20 5720MHz – Chain1



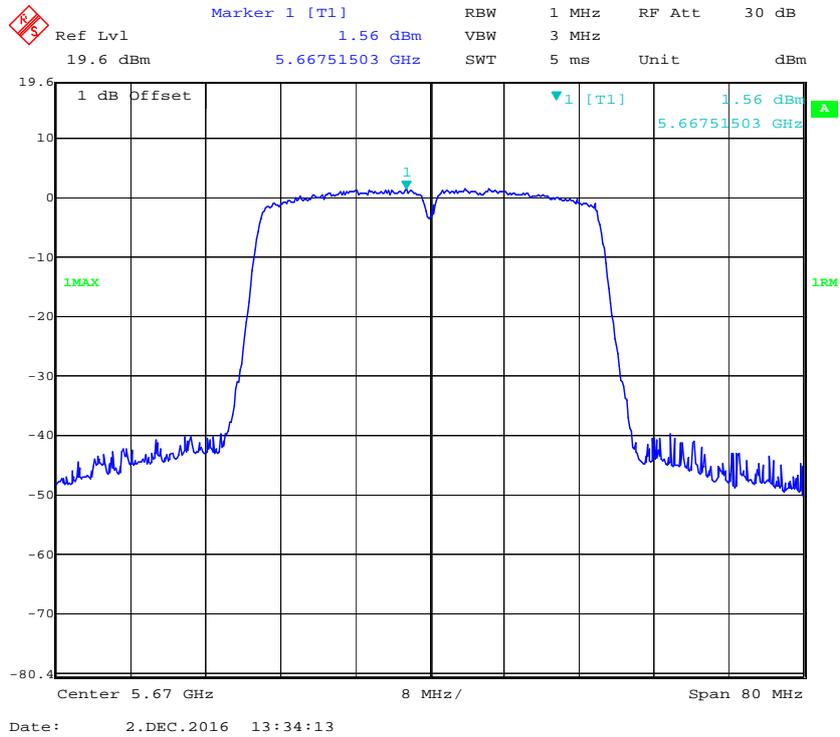
### 802.11n ht40 5510MHz – Chain1



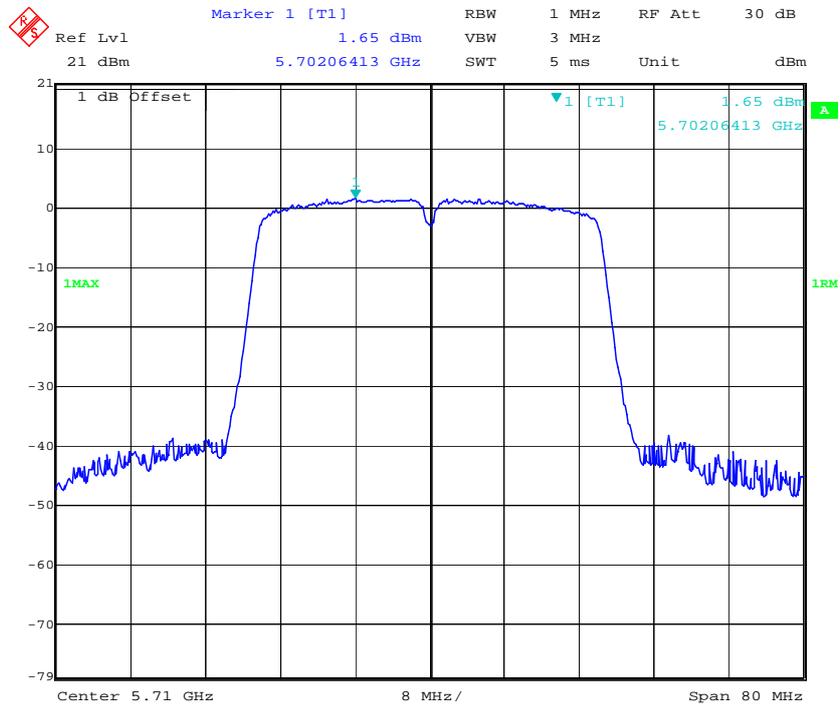
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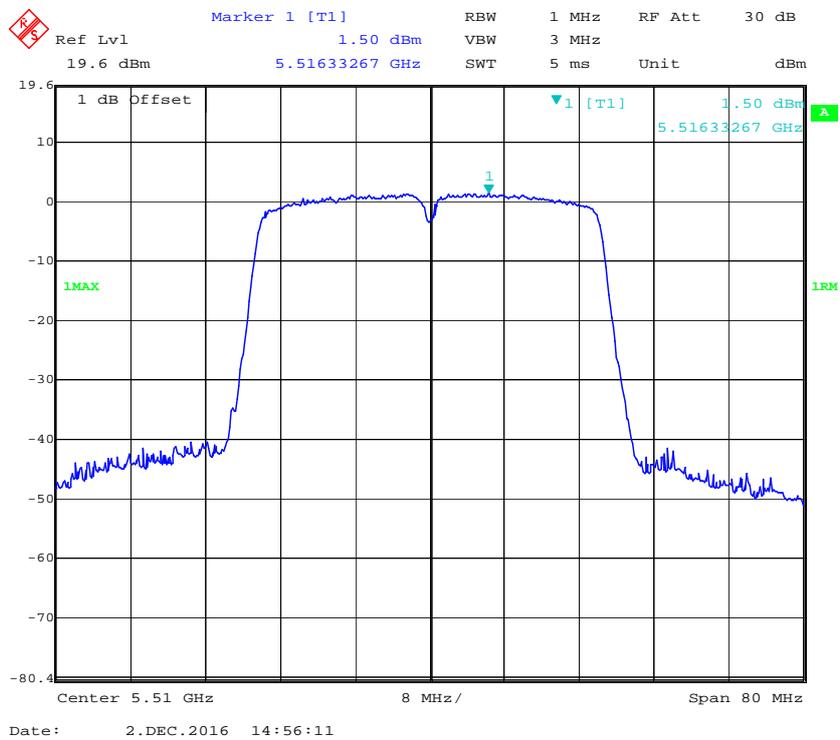
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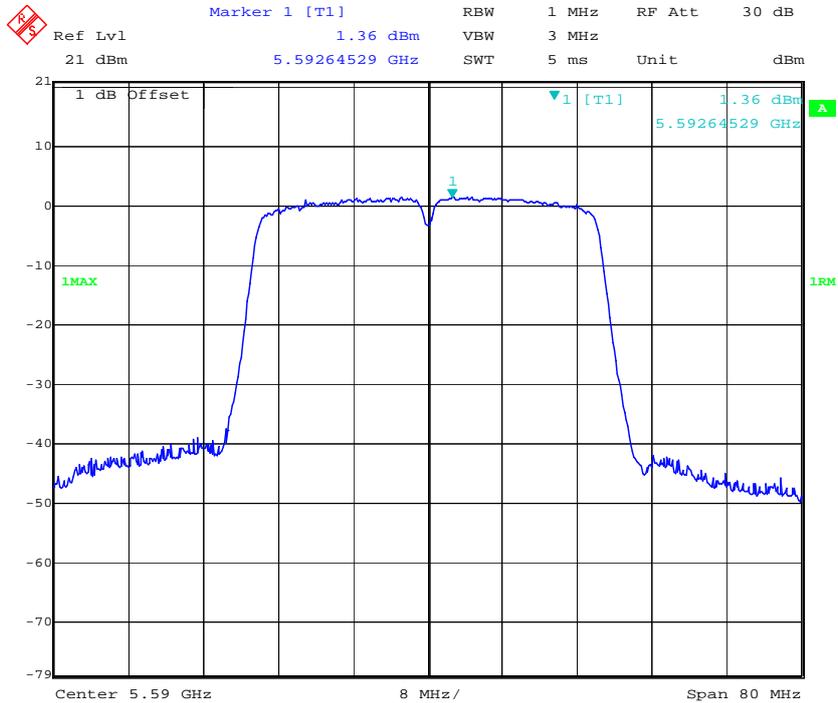
### 802.11n ht40 5710MHz – Chain1



### 802.11 ac40 5510MHz – Chain1

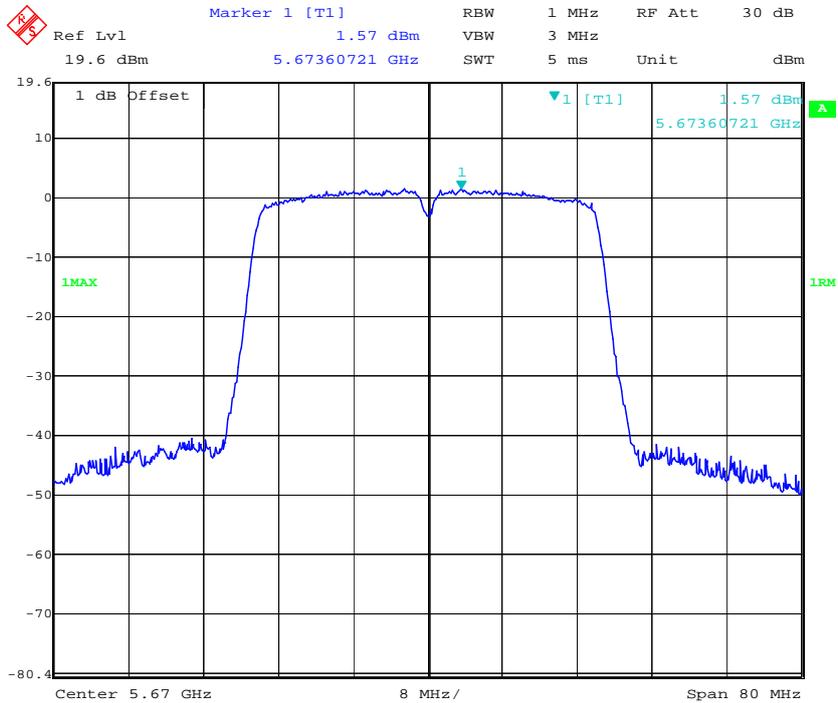


### 802.11 ac40 5590MHz – Chain1



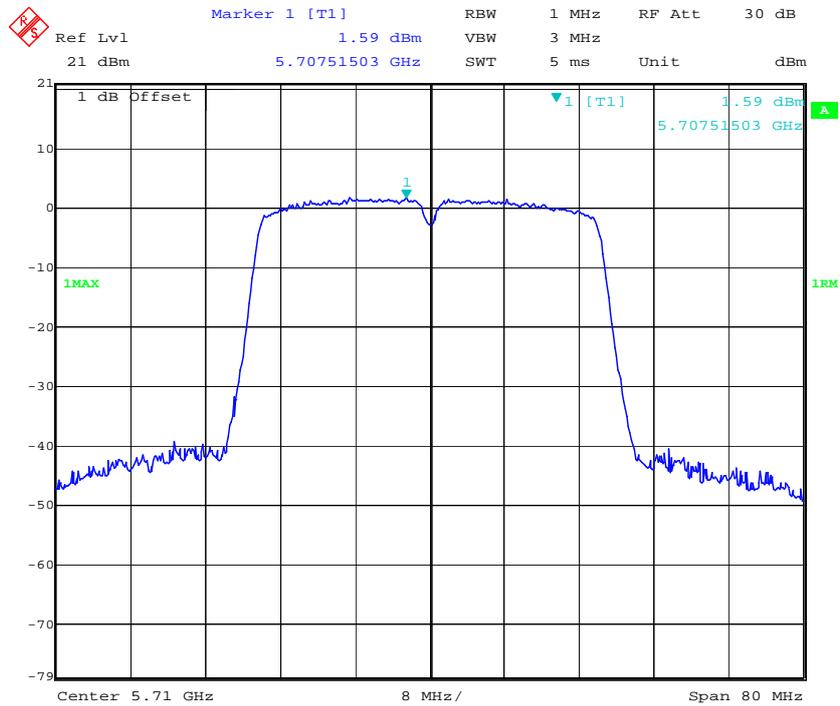
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### 802.11 ac40 5670MHz – Chain1



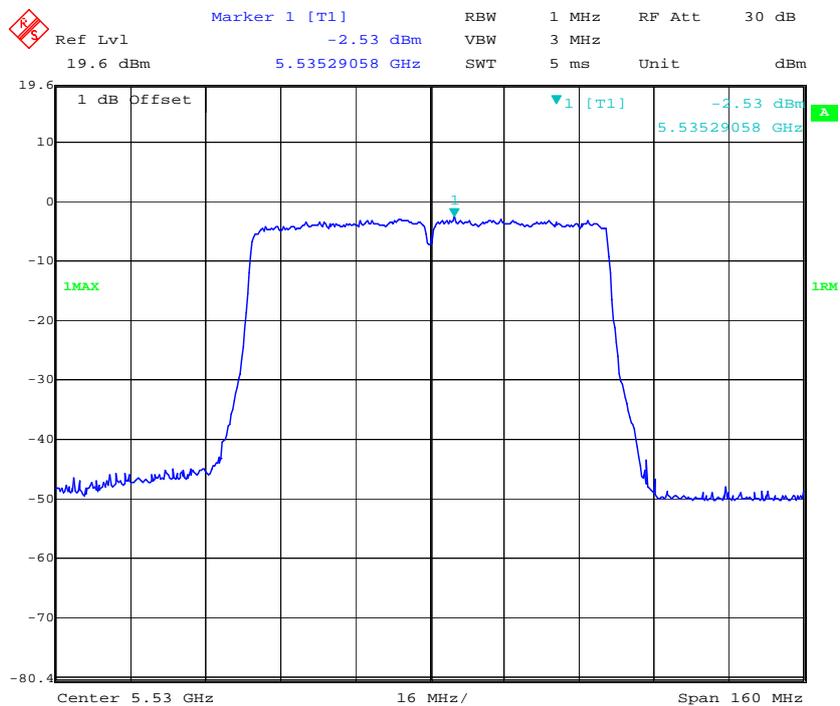
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### 802.11 ac40 5710MHz – Chain1



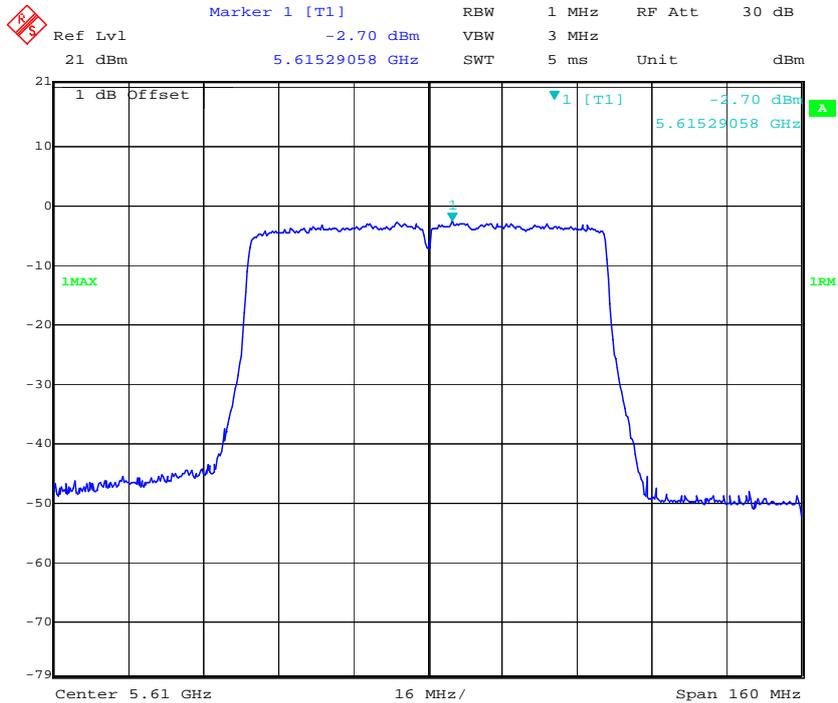
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### 802.11 ac80 5530MHz – Chain1



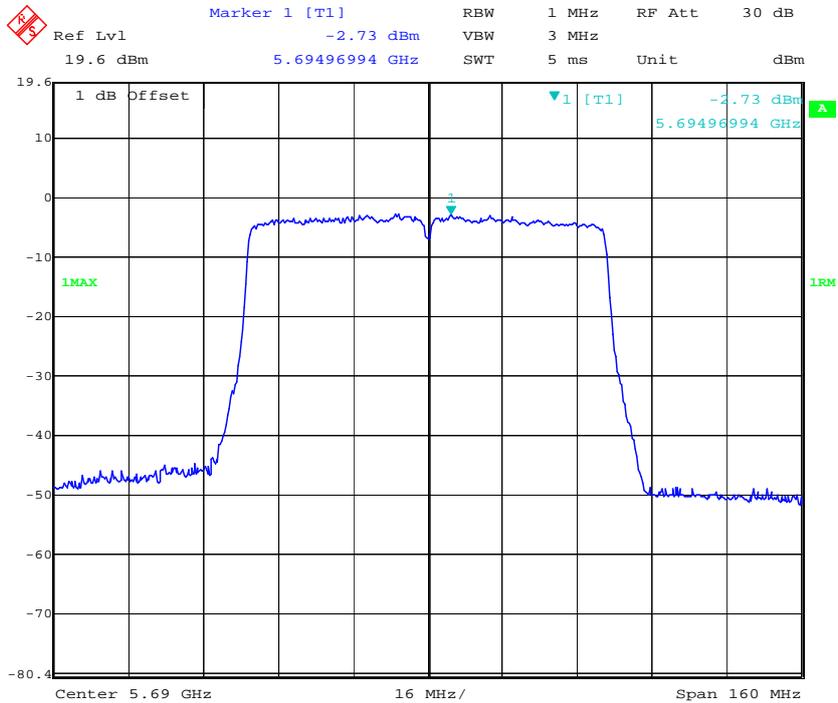
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### 802.11 ac80 5610MHz – Chain1



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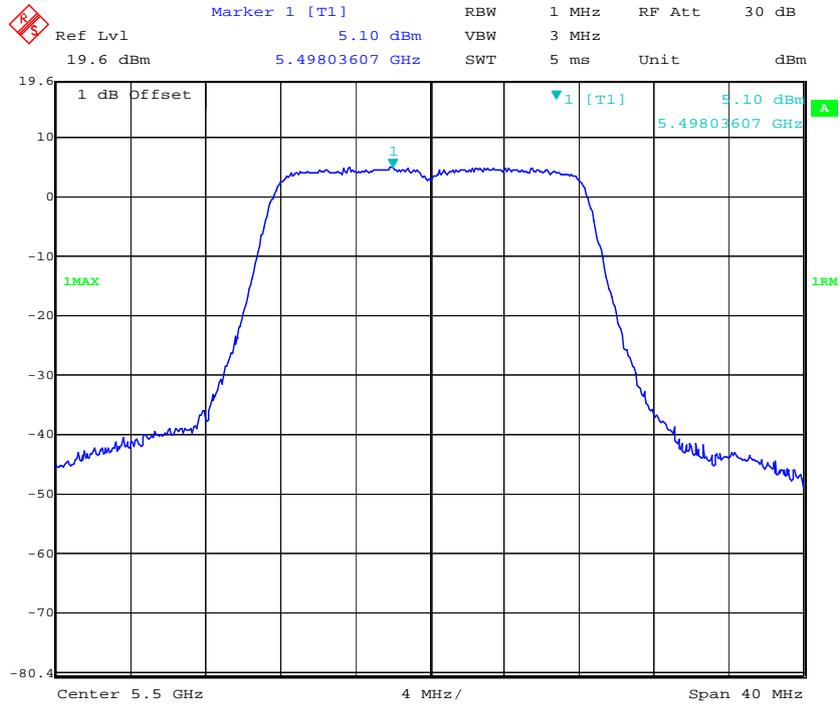
### 802.11 ac80 5690MHz – Chain1



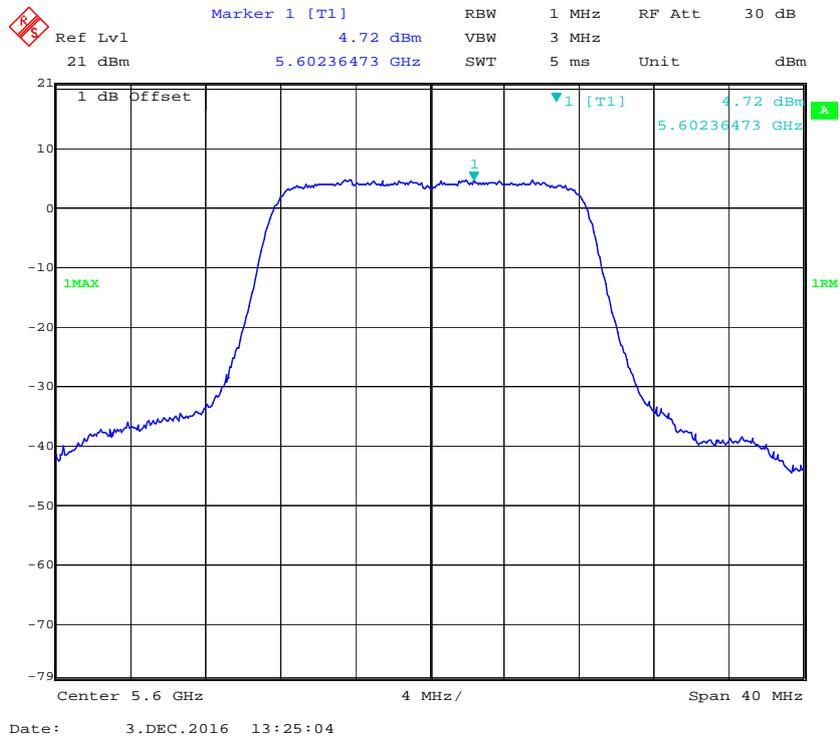
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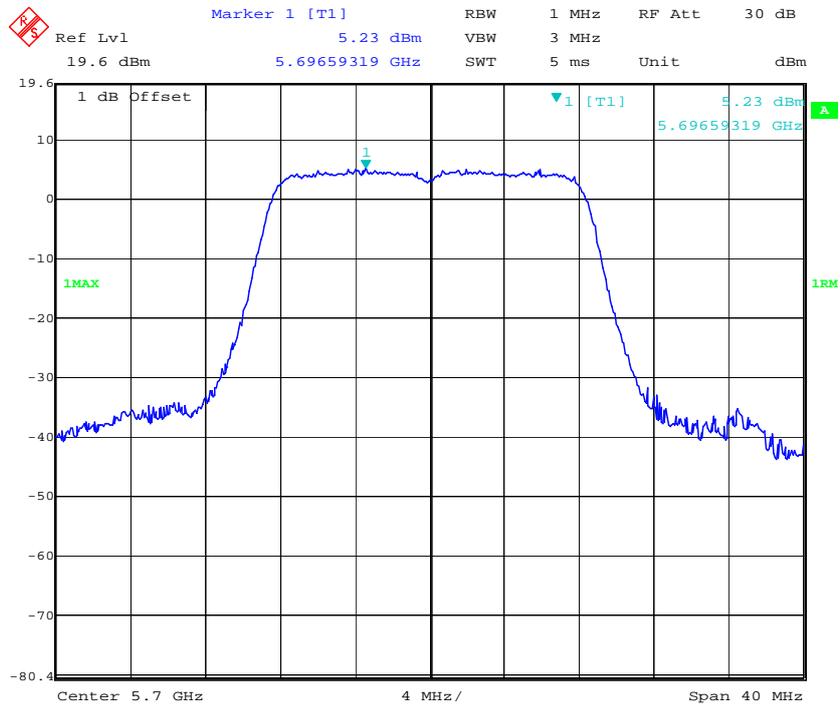
### 802.11a 5500MHz – Chain0



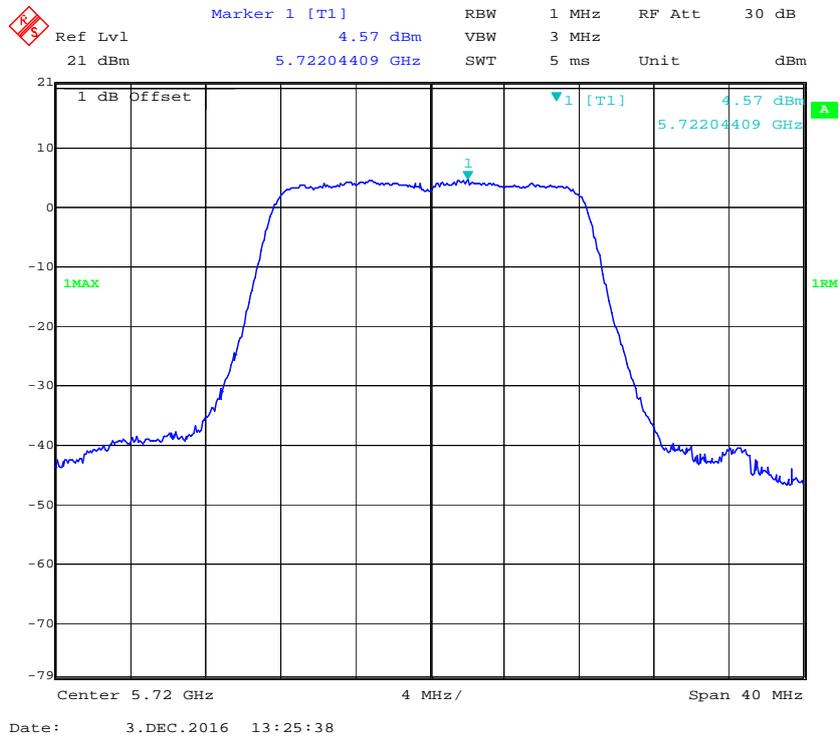
### 802.11a 5600MHz – Chain0



### 802.11a 5700MHz – Chain0

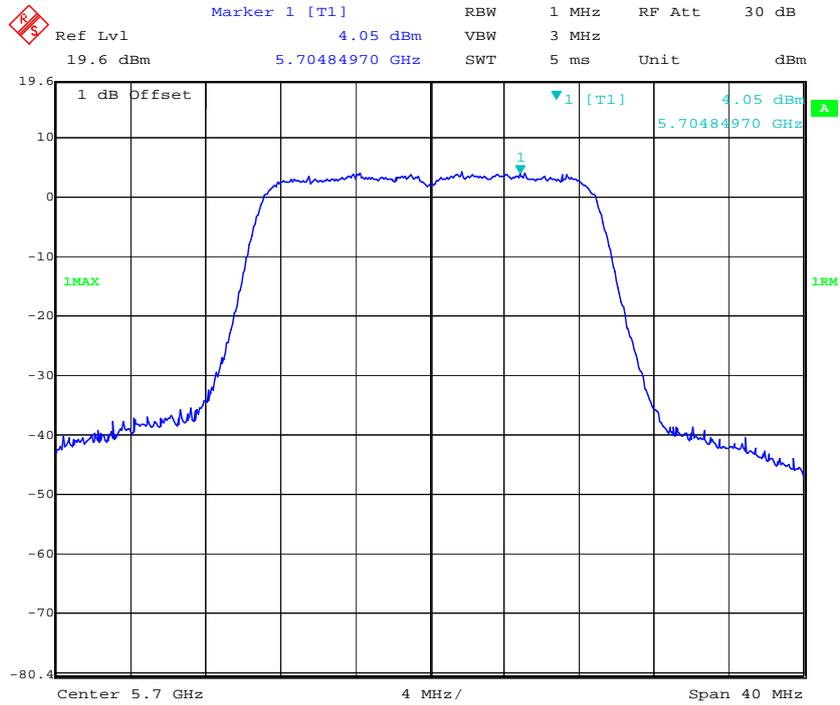


### 802.11a 5720MHz – Chain0

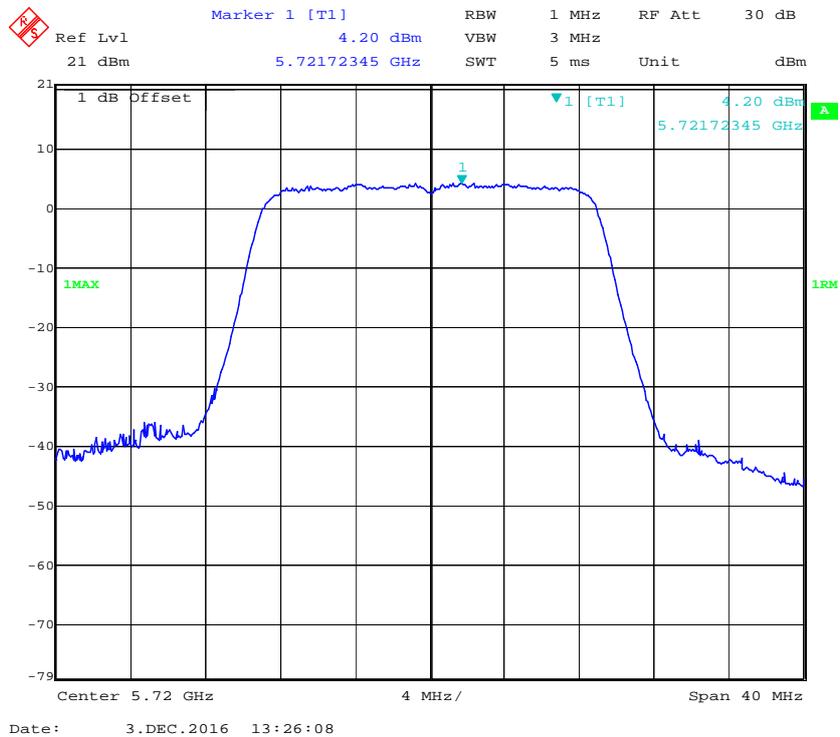




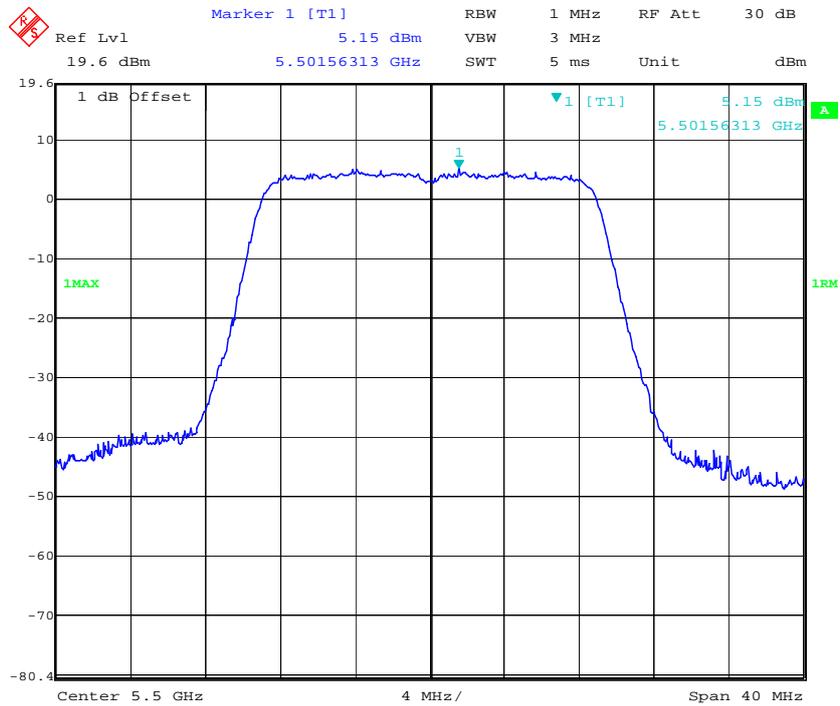
### 802.11n ht20 5700MHz- Chain0



### 802.11n ht20 5720MHz- Chain0

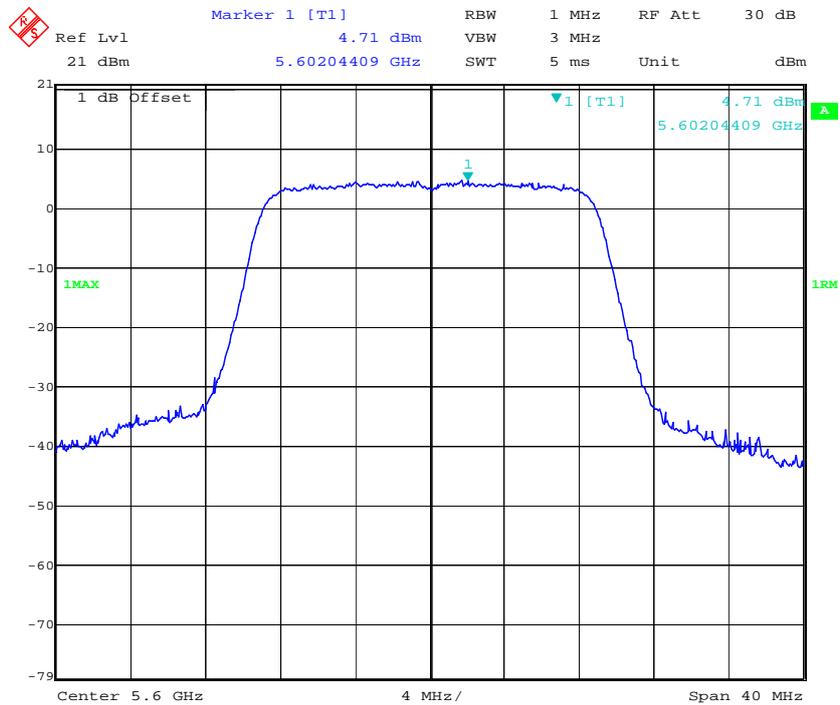


### 802.11 ac20 5500MHz – Chain0



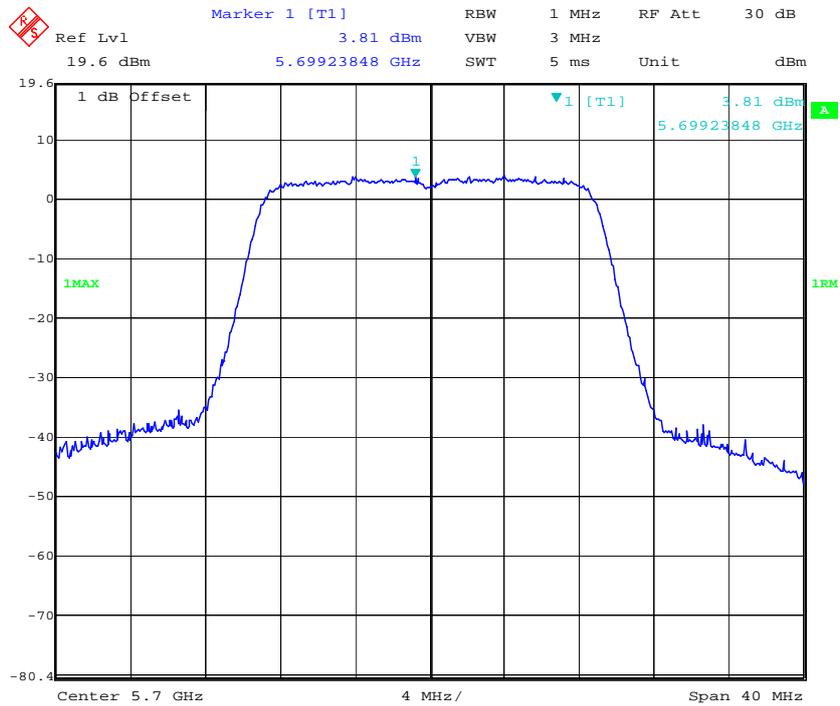
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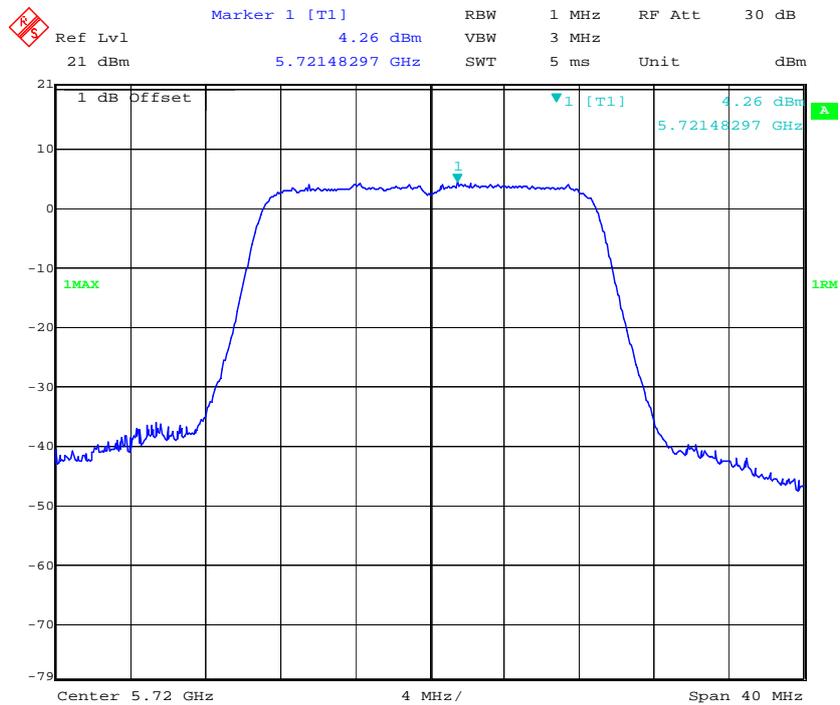
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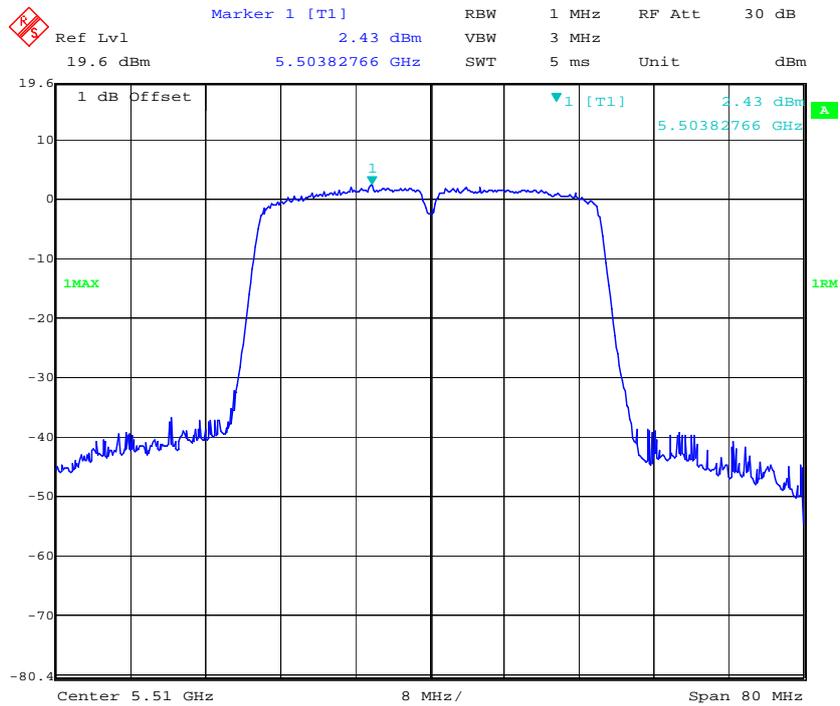
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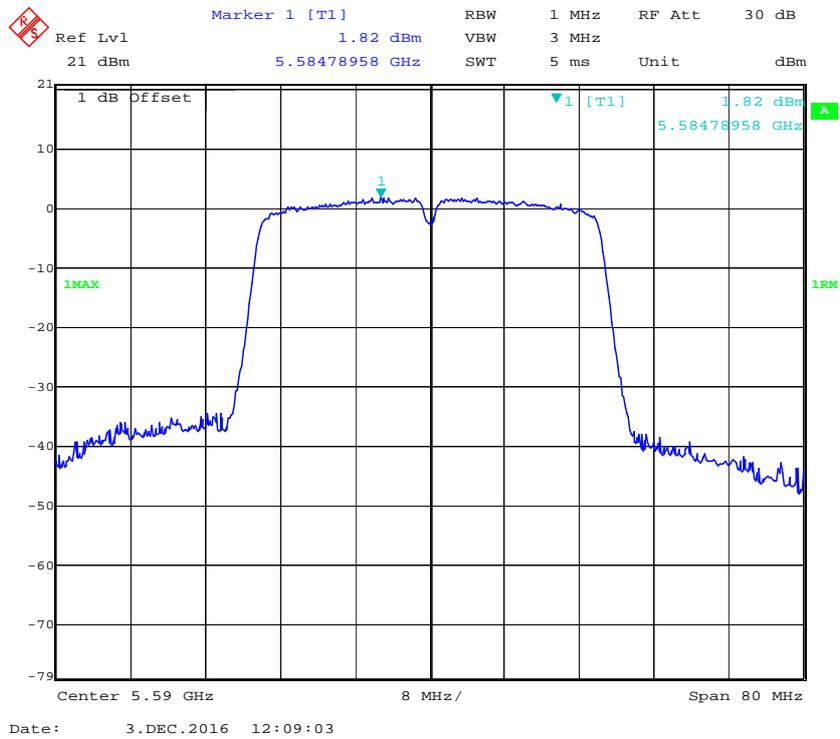


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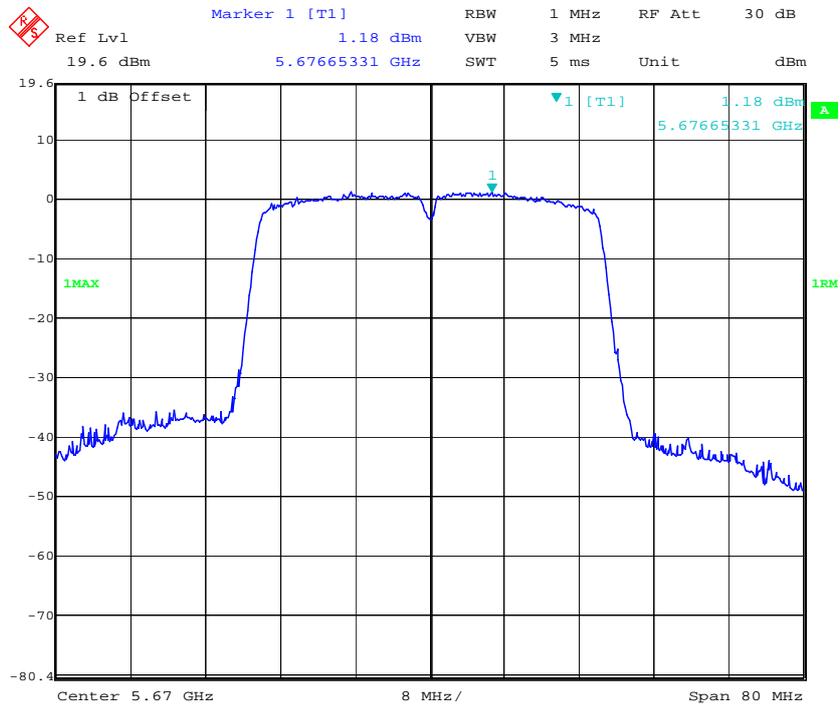
### 802.11n ht40 5510MHz – Chain0



### 802.11n ht40 5590MHz – Chain0

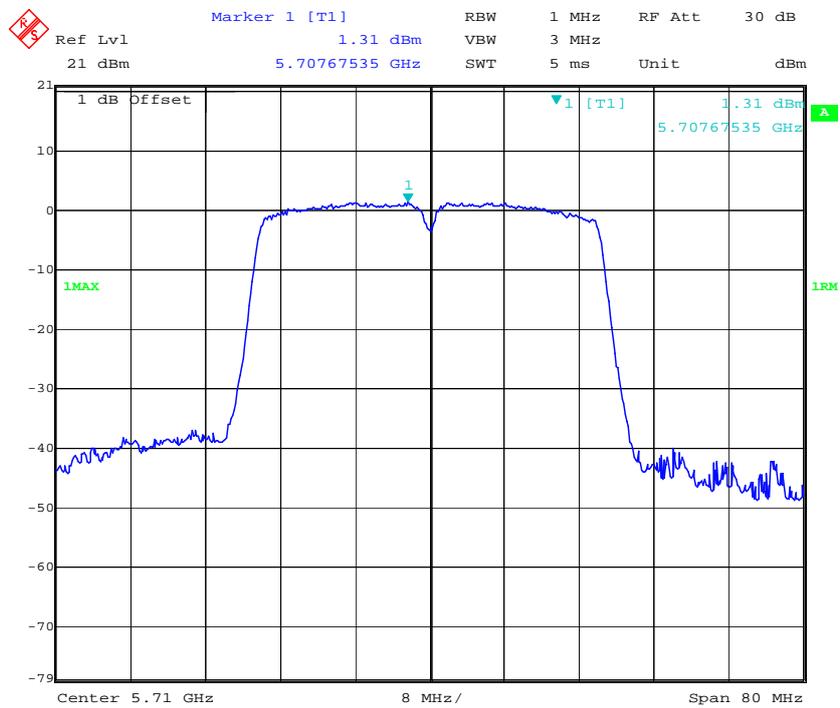


### 802.11n ht40 5670MHz – Chain0



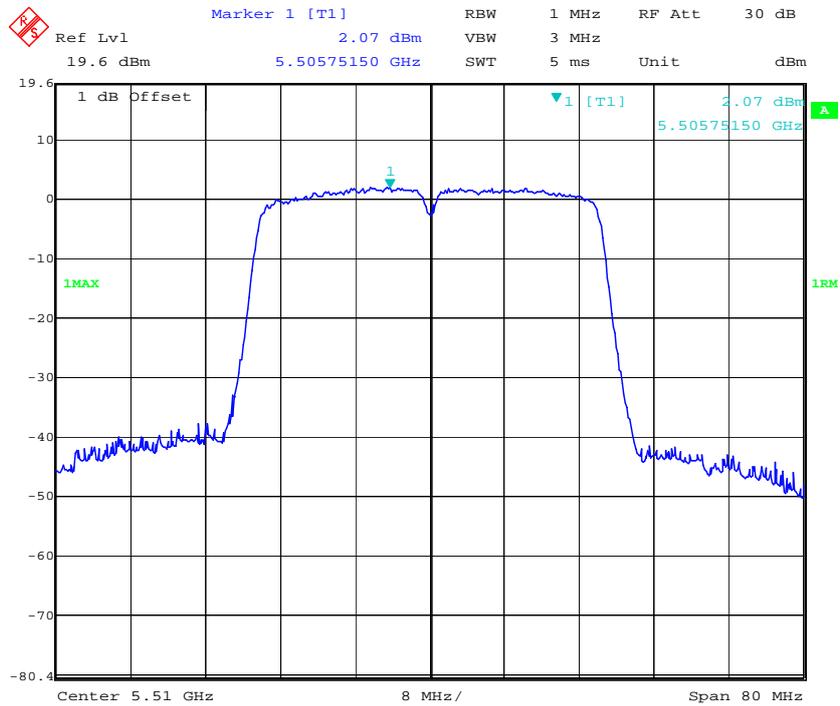
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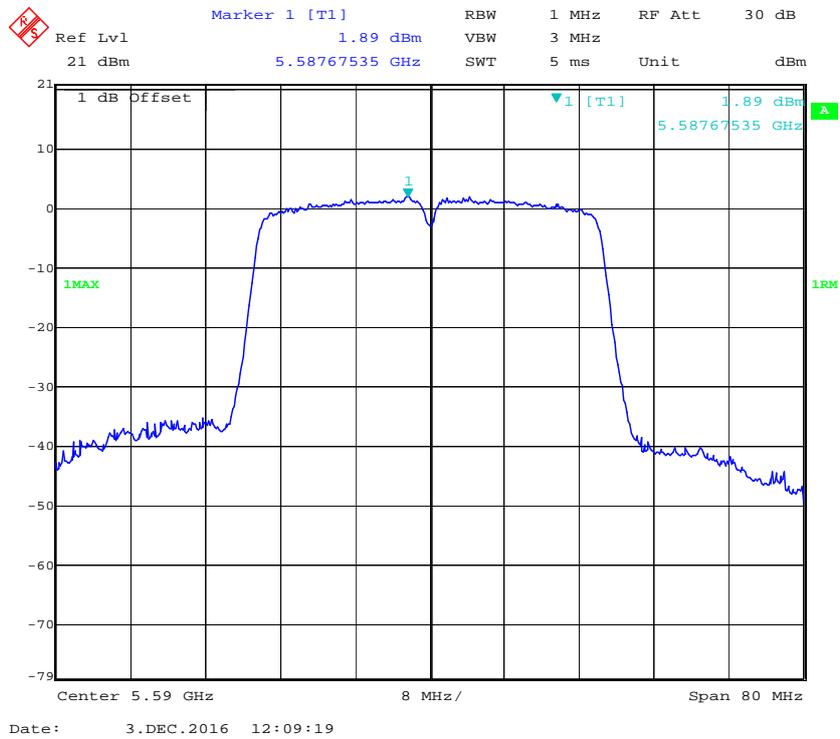


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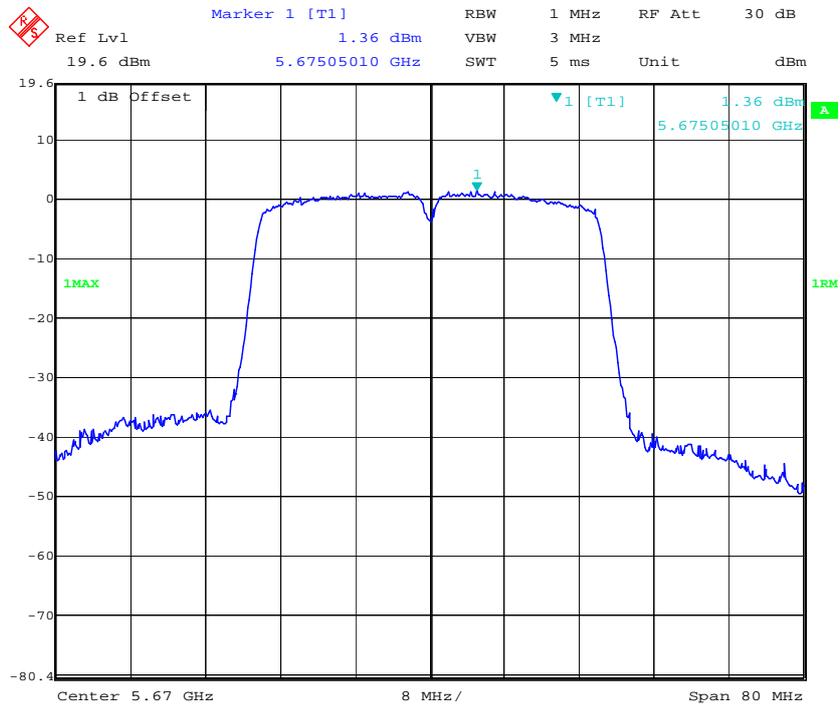
802.11 ac40 5510MHz – Chain0



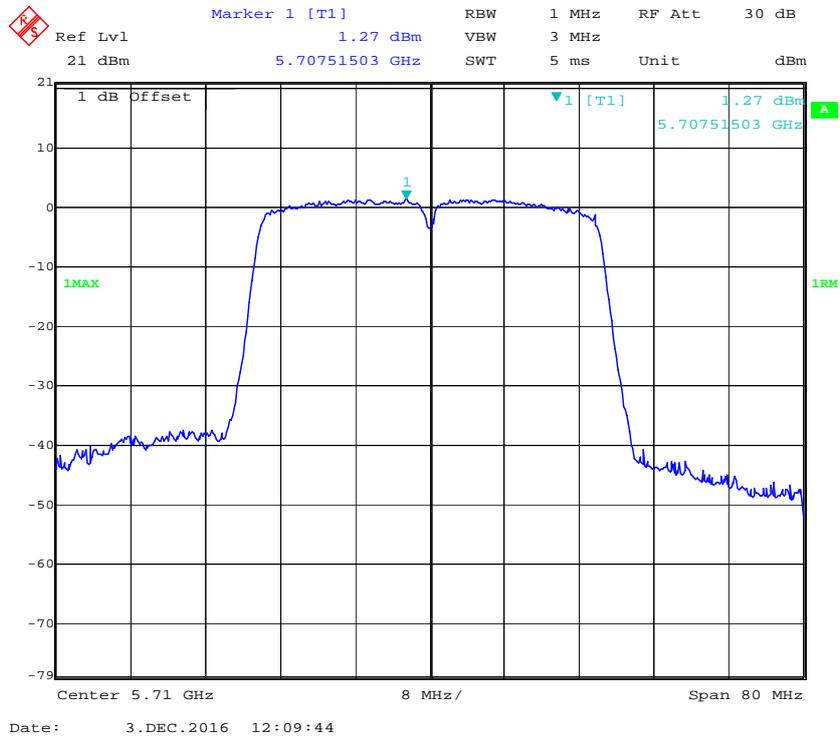
802.11 ac40 5590MHz – Chain0



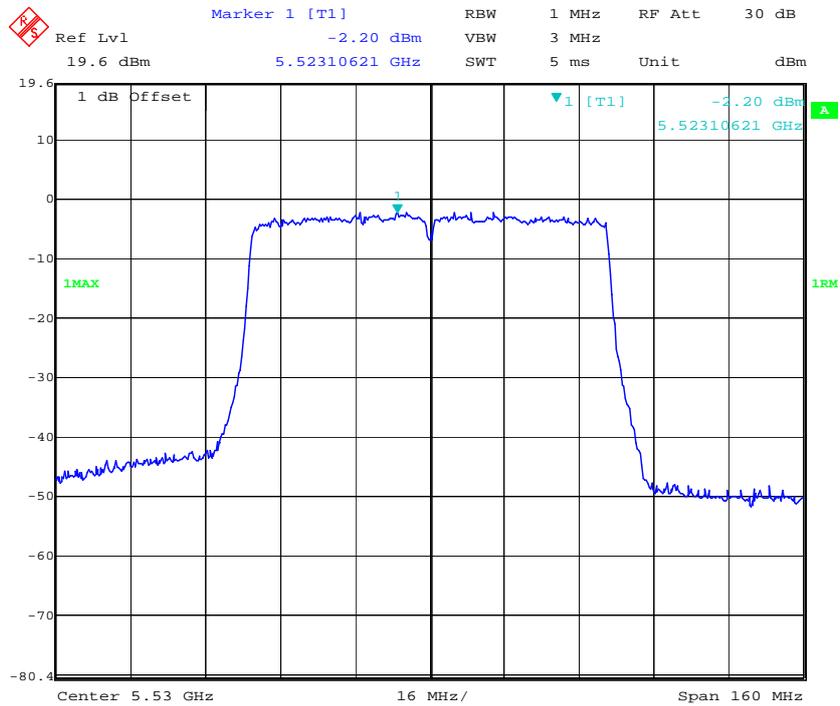
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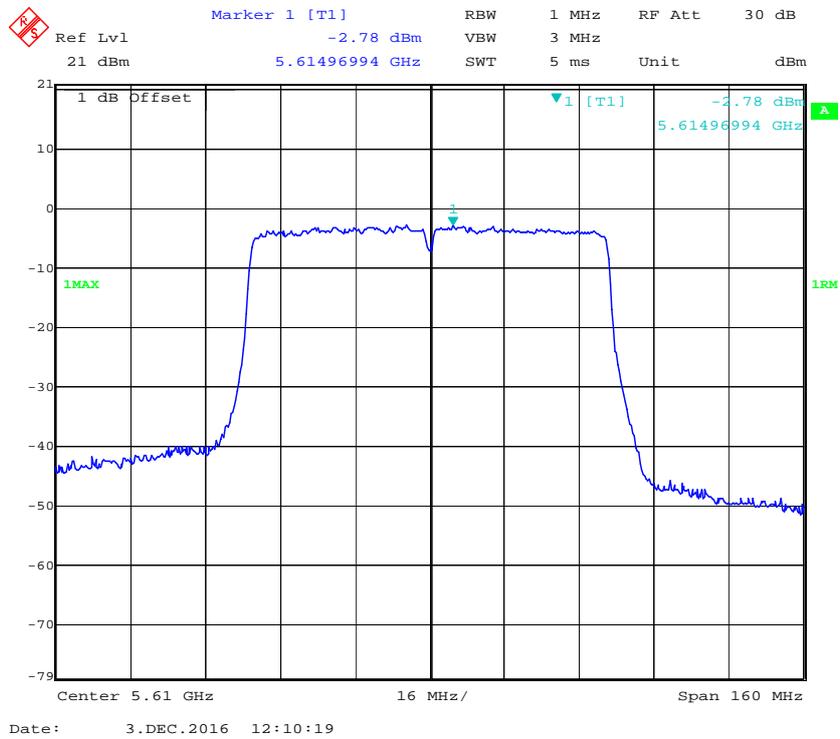
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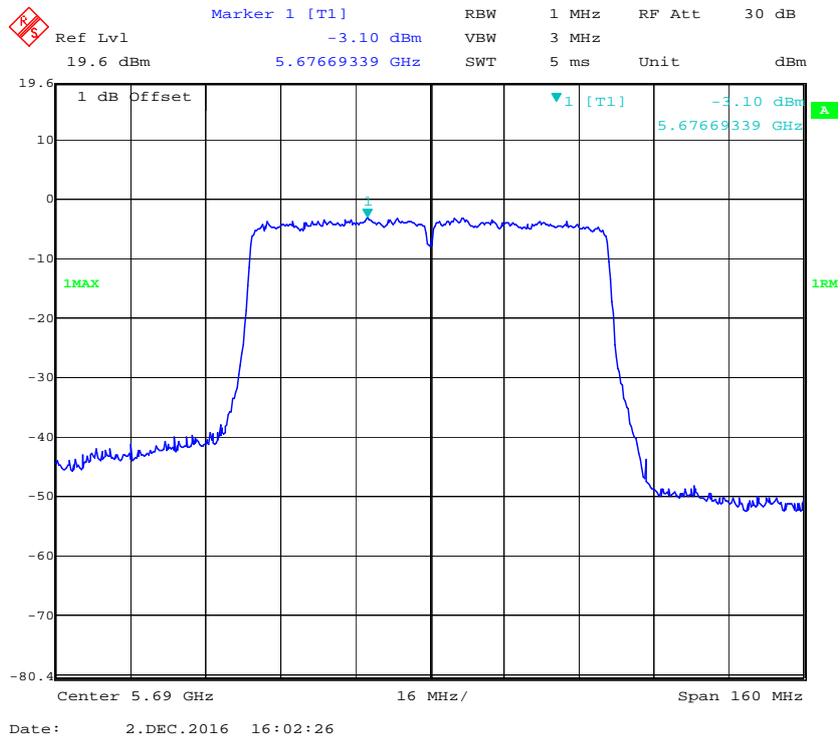
### 802.11 ac80 5530MHz – Chain0



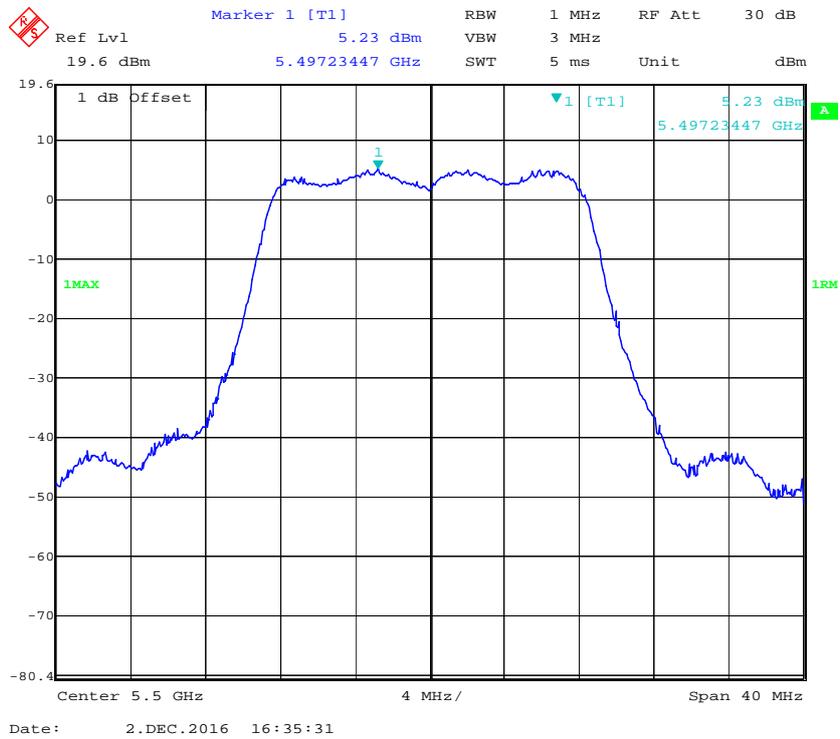
### 802.11 ac80 5610MHz – Chain0



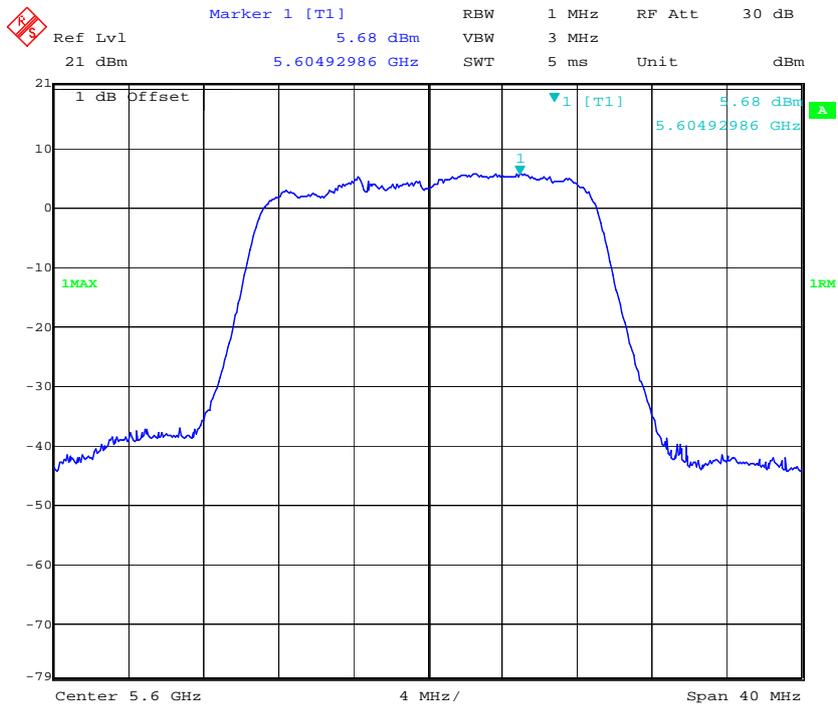
### 802.11 ac80 5690MHz – Chain0



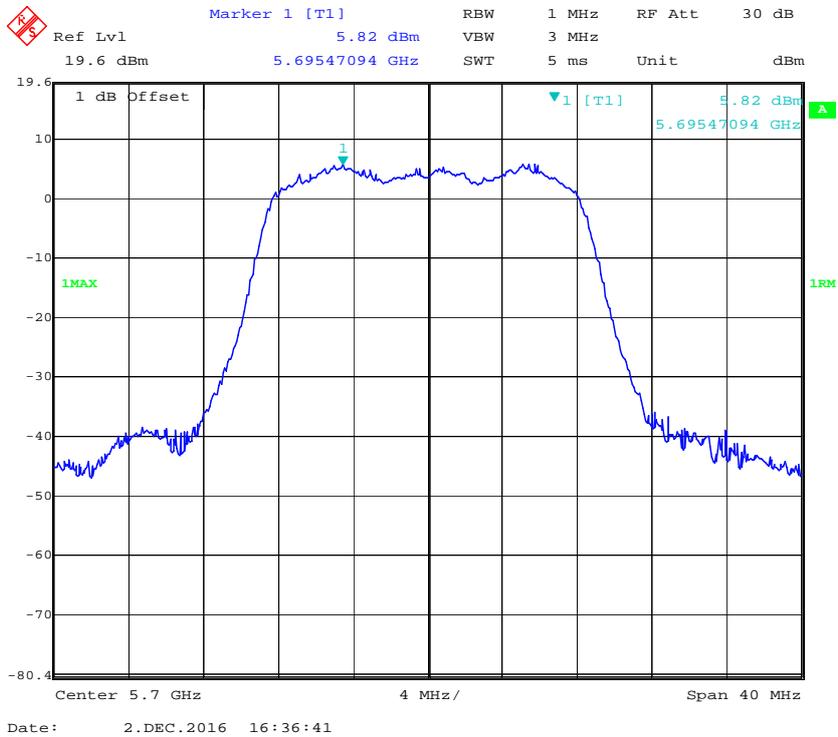
### 802.11a 5500MHz – Chain1



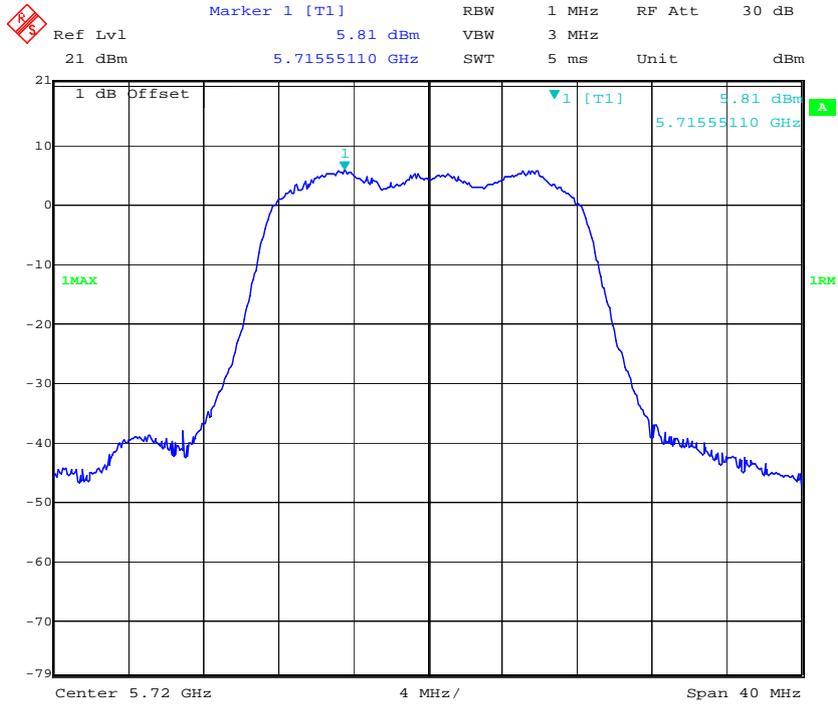
### 802.11a 5600MHz – Chain1



### 802.11a 5700MHz – Chain1

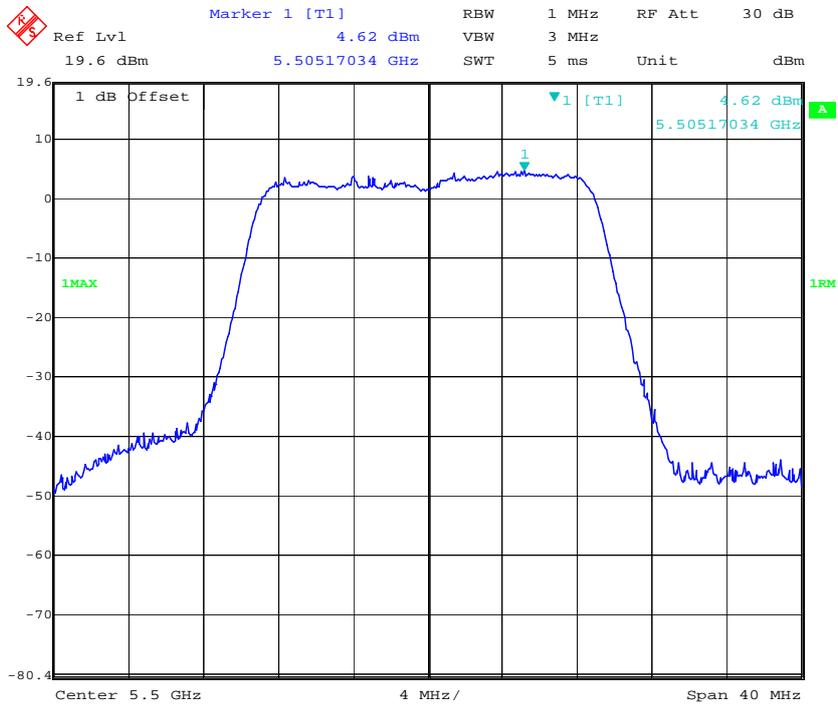


### 802.11a 5720MHz – Chain1



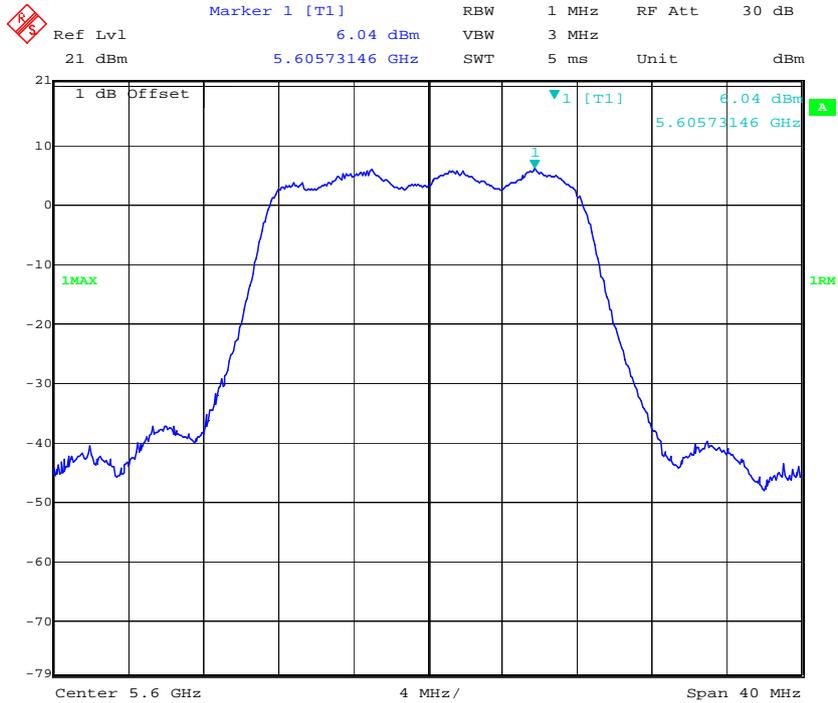
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### 802.11n ht20 5500MHz– Chain1

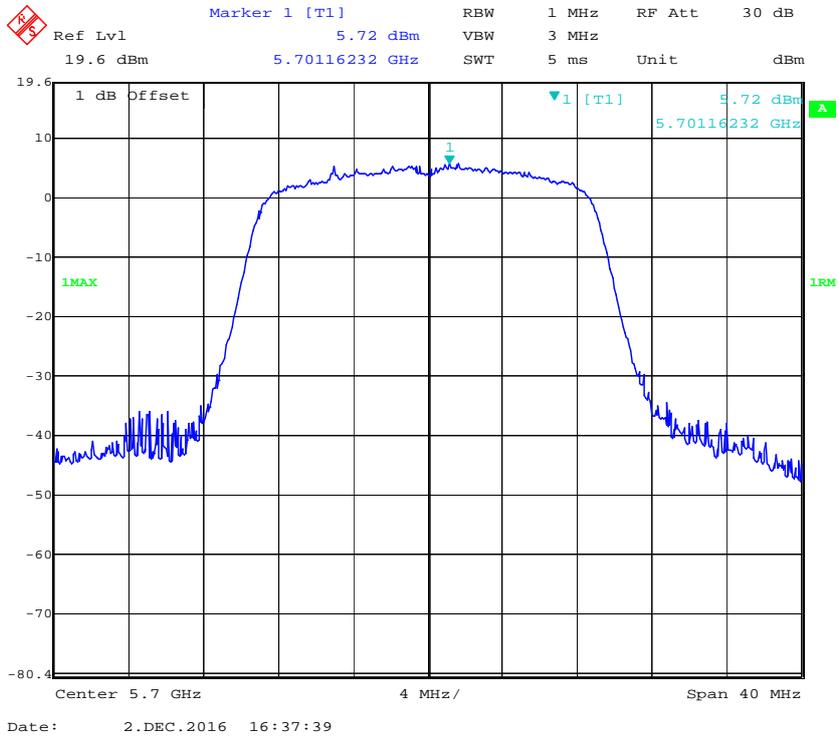


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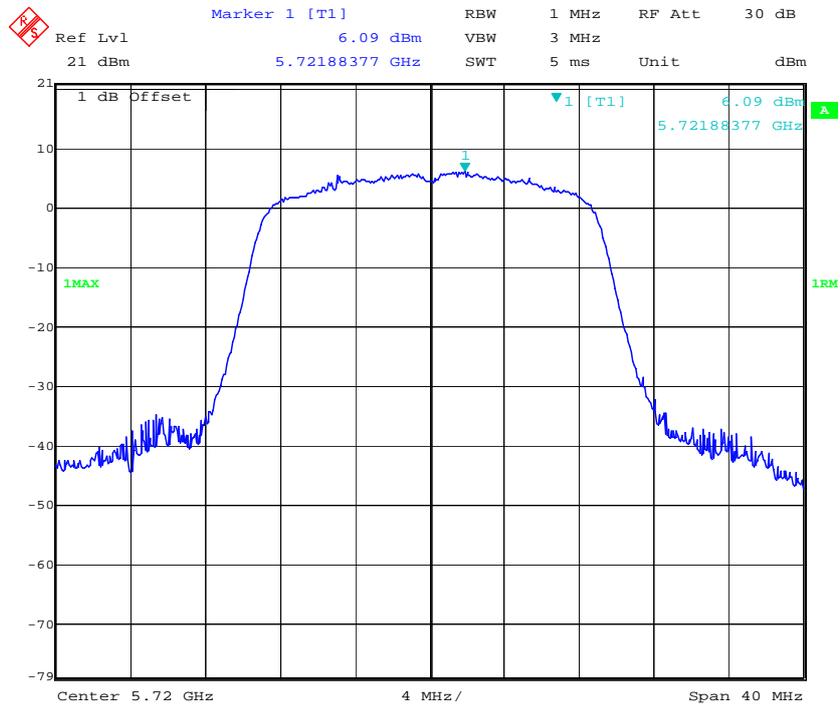
### 802.11n ht20 5600MHz- Chain1



### 802.11n ht20 5700MHz- Chain1

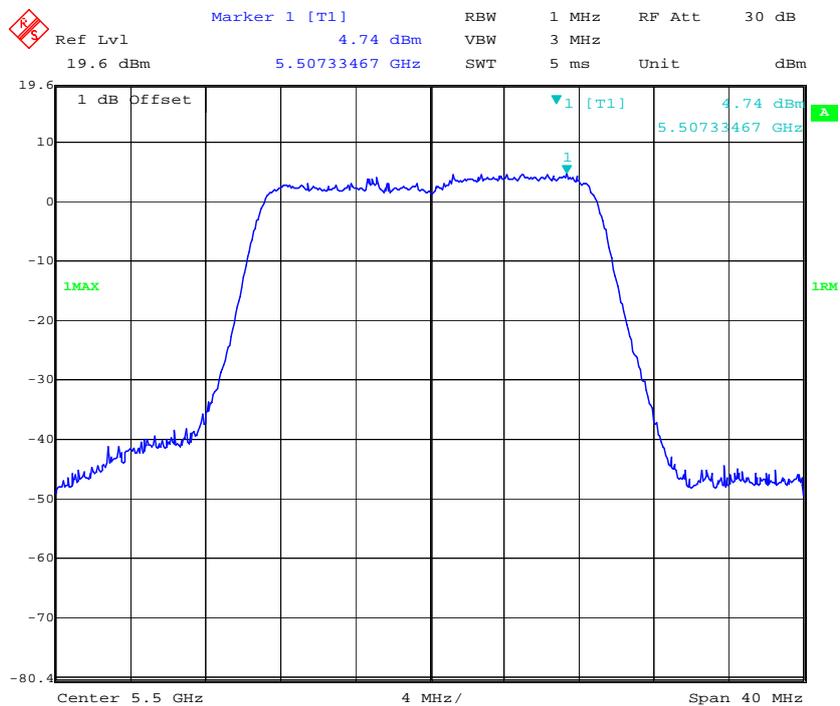


### 802.11n ht20 5720MHz- Chain1



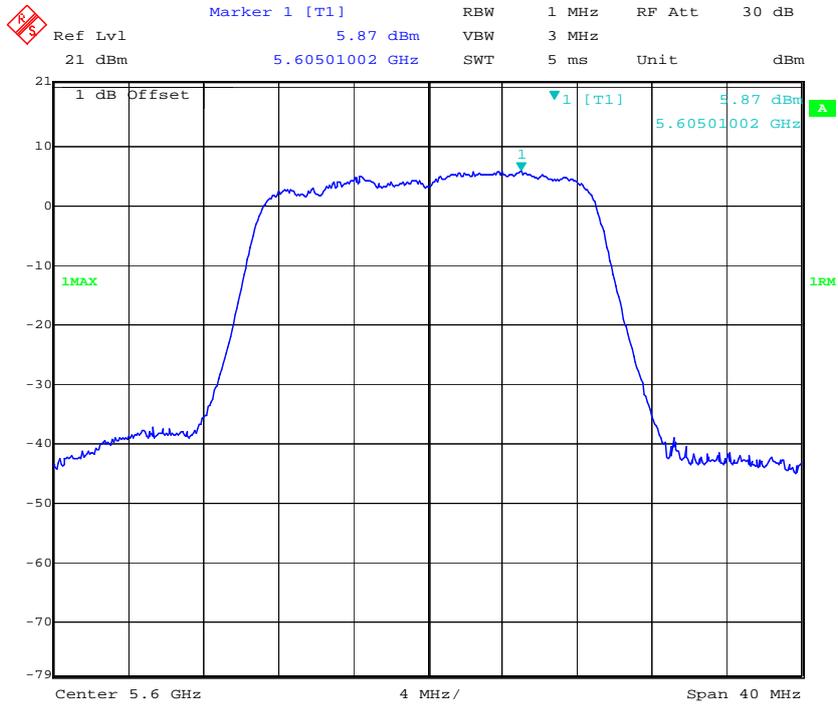
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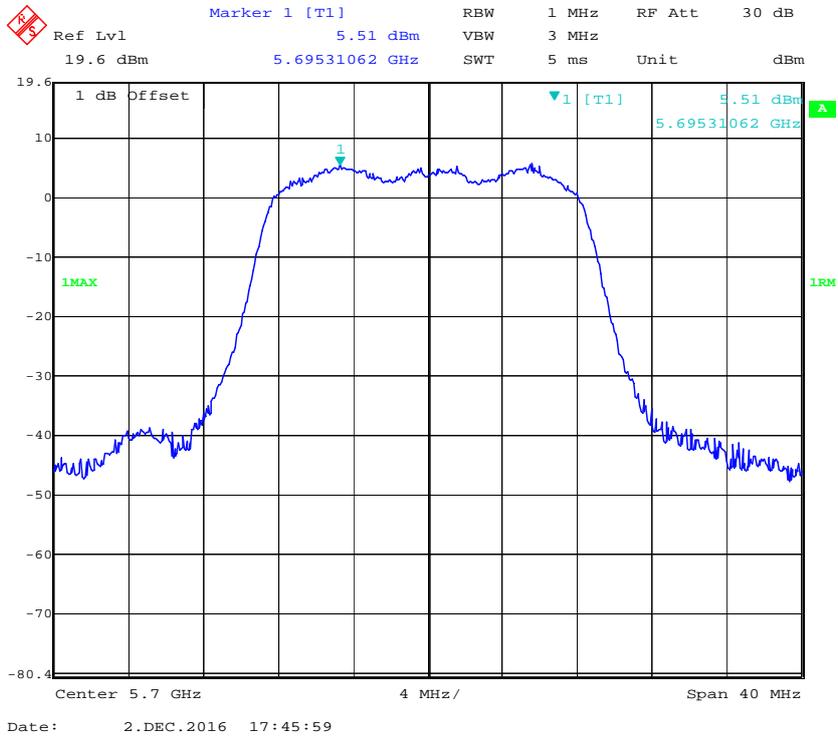


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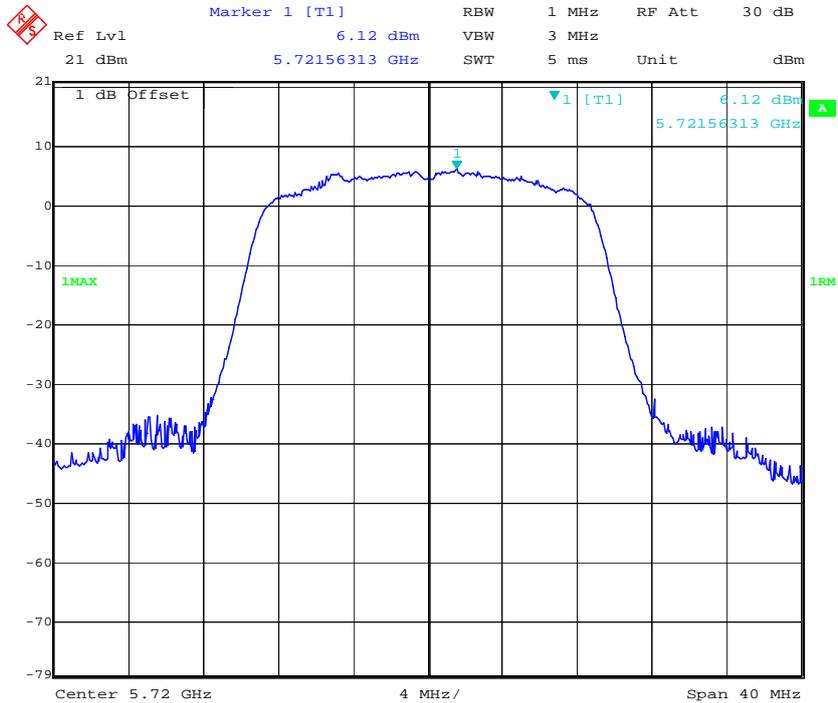
### 802.11 ac20 5600MHz – Chain1



### 802.11 ac20 5700MHz – Chain1

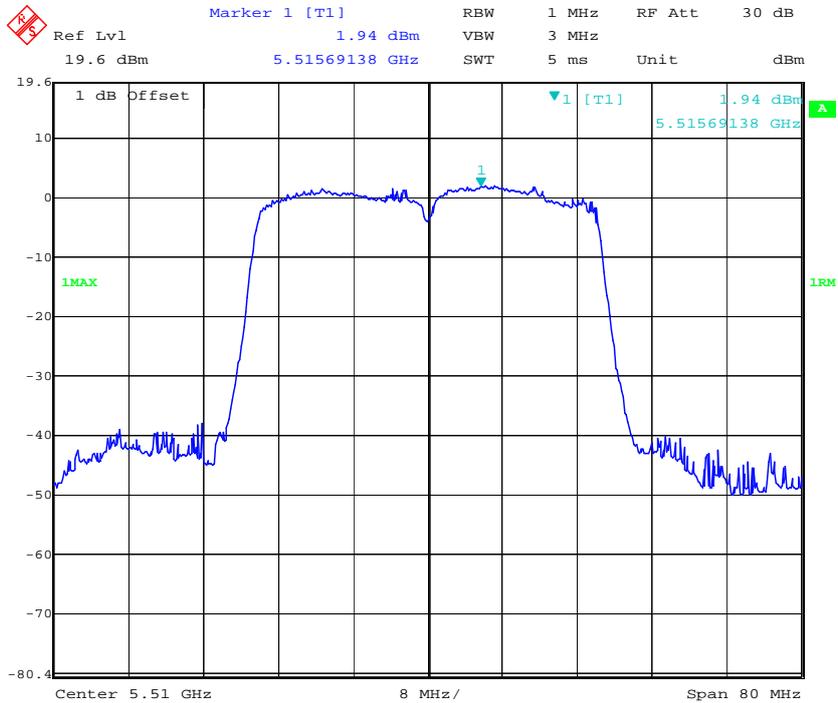


### 802.11 ac20 5720MHz – Chain1



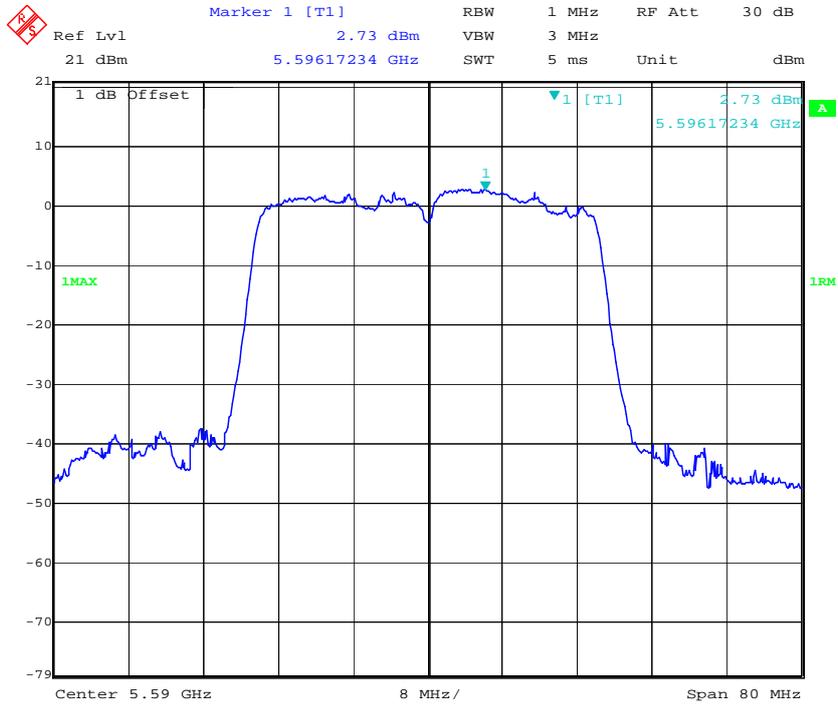
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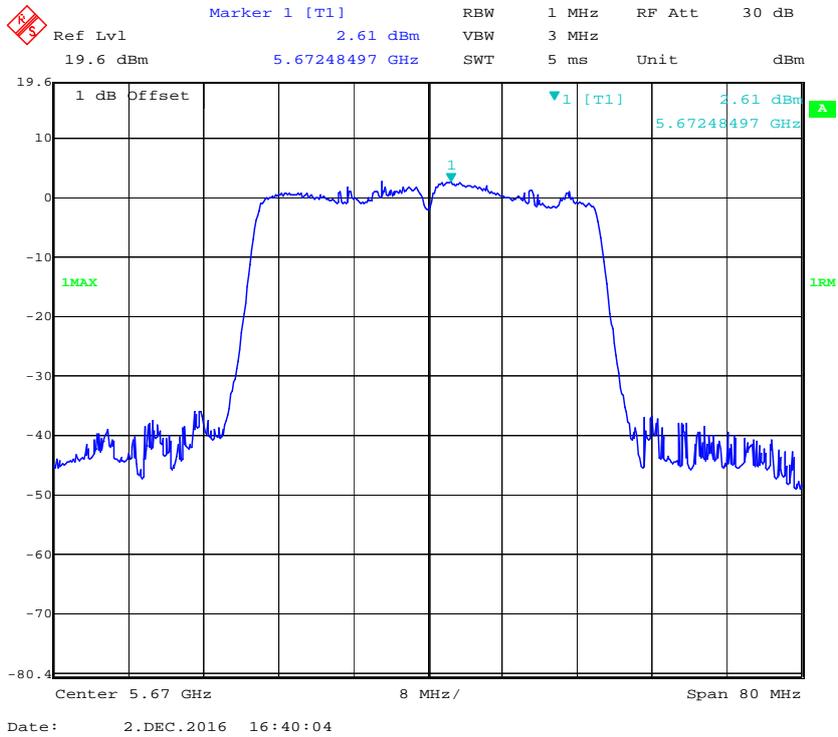


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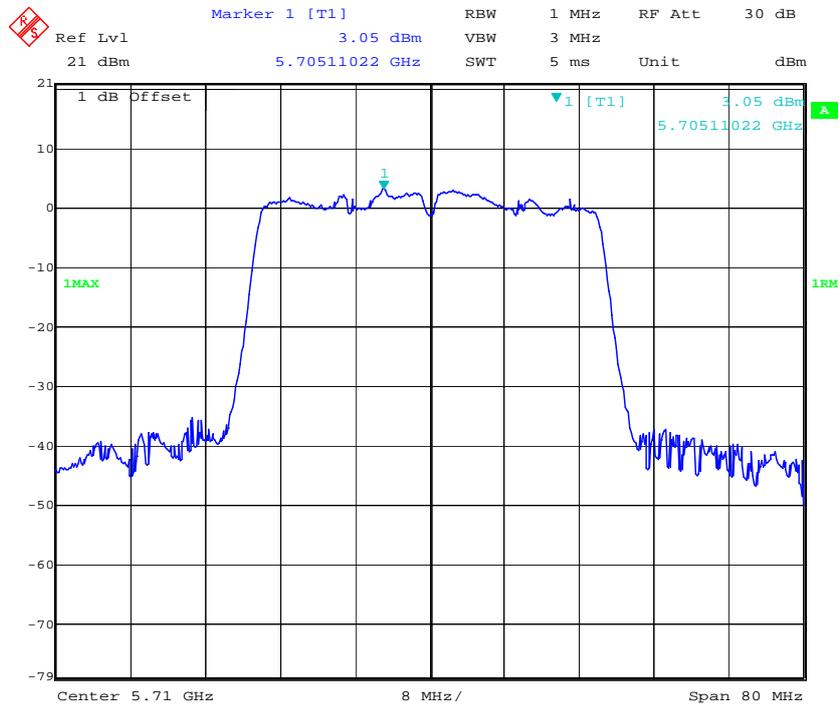
### 802.11n ht40 5590MHz – Chain1



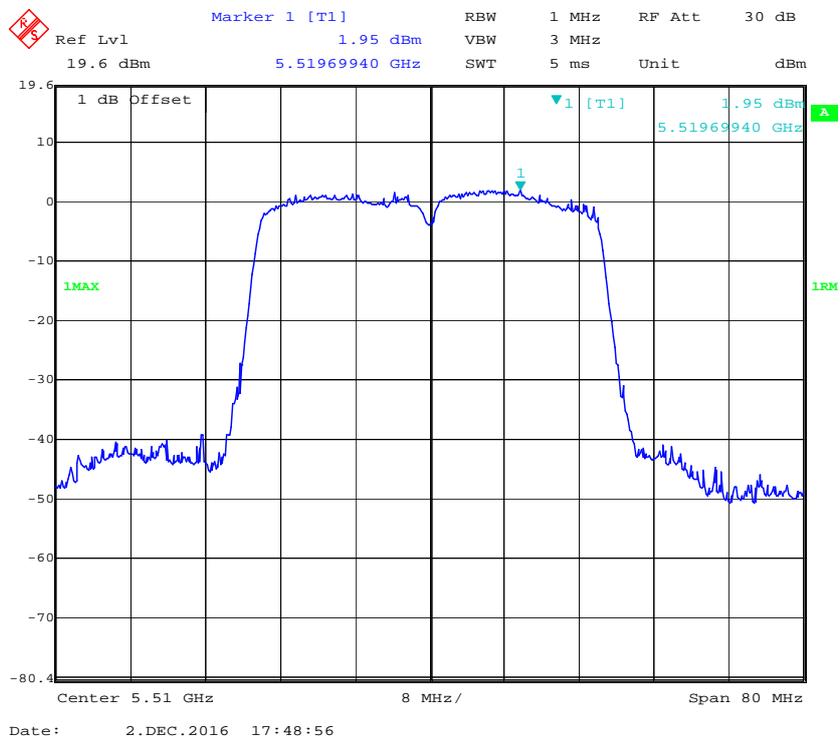
### 802.11n ht40 5670MHz – Chain1



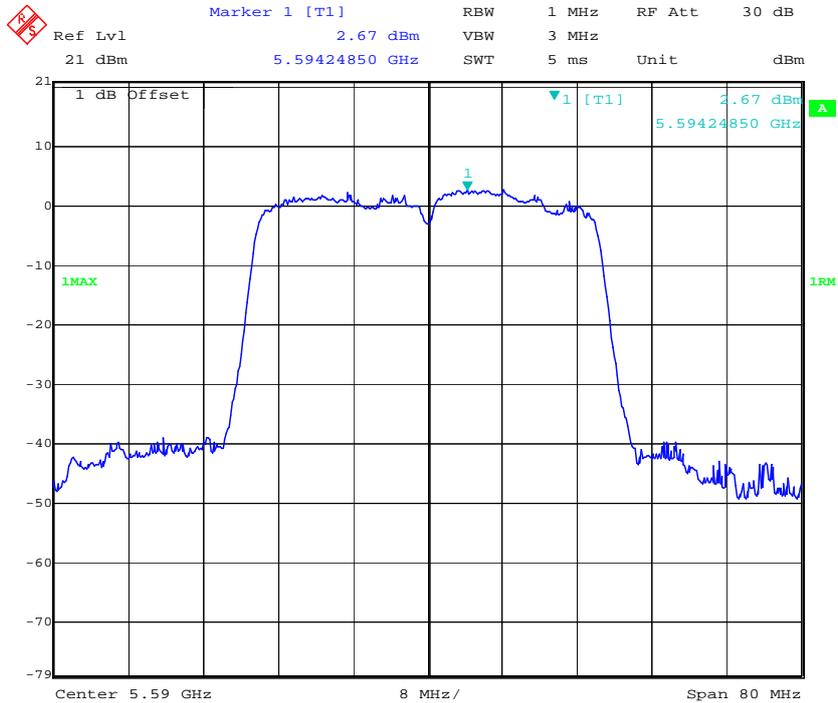
### 802.11n ht40 5710MHz – Chain1



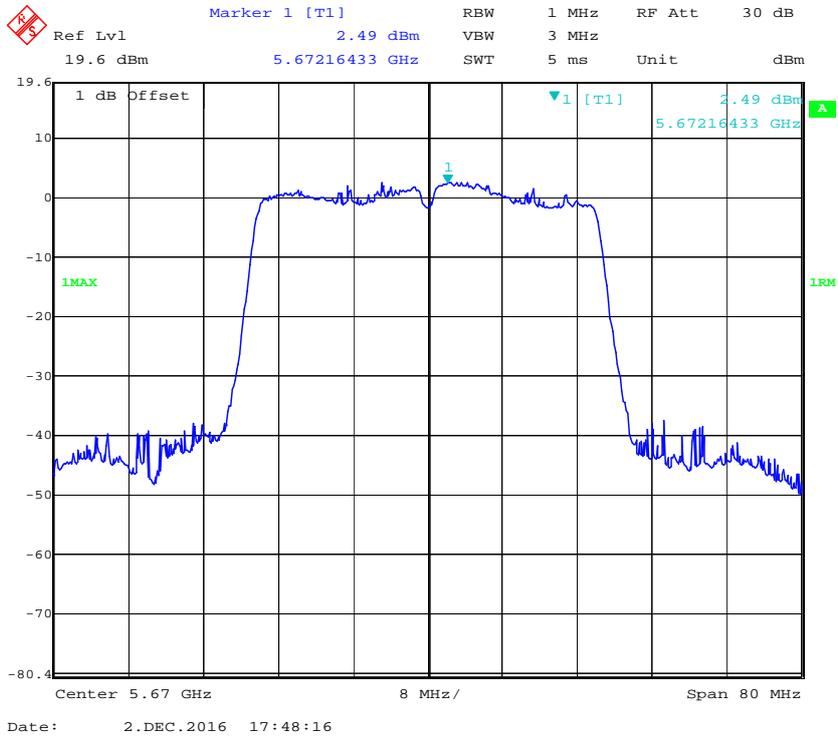
### 802.11 ac40 5510MHz – Chain1



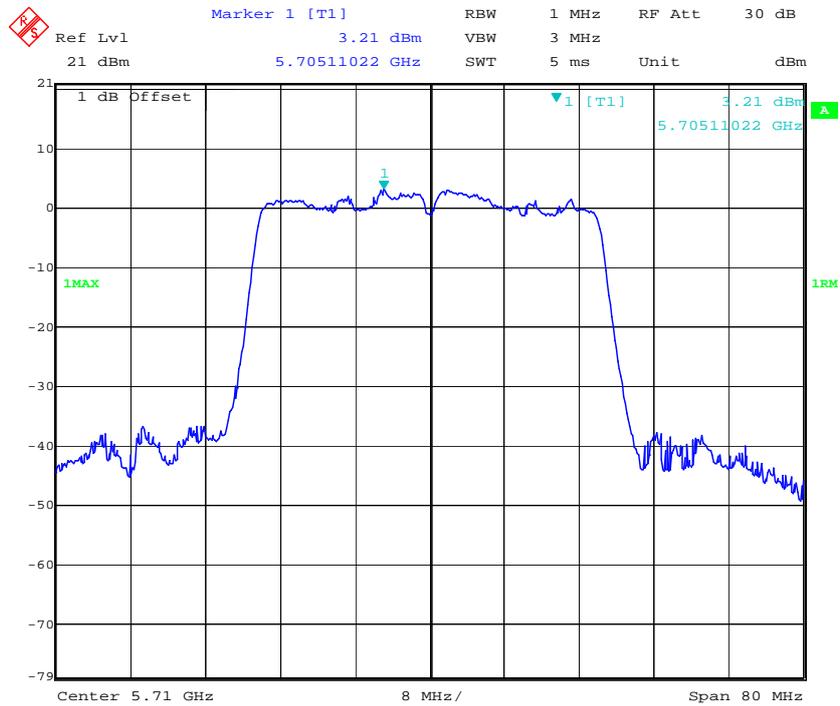
### 802.11 ac40 5590MHz – Chain1



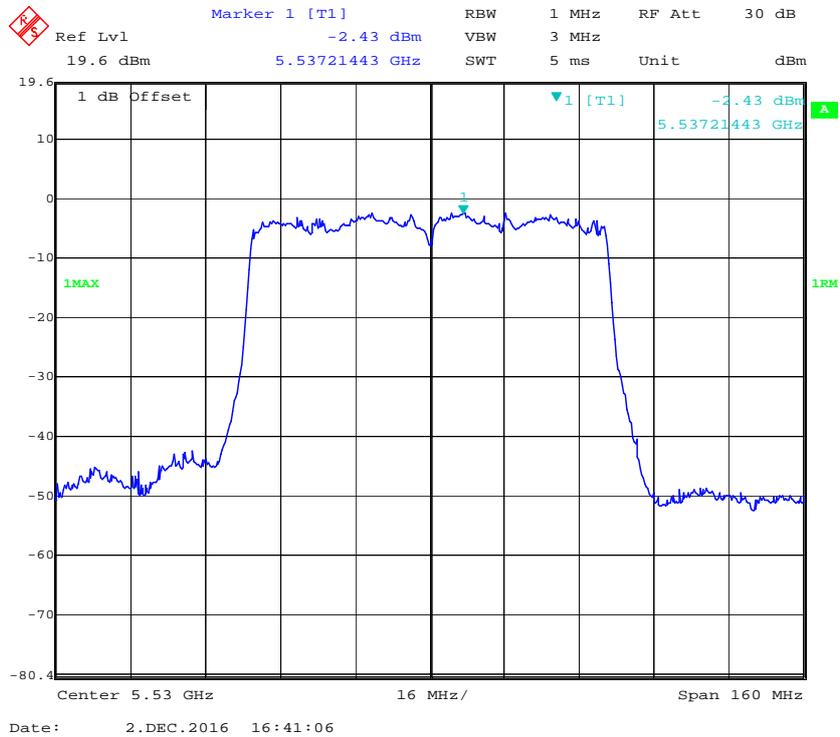
### 802.11 ac40 5670MHz – Chain1



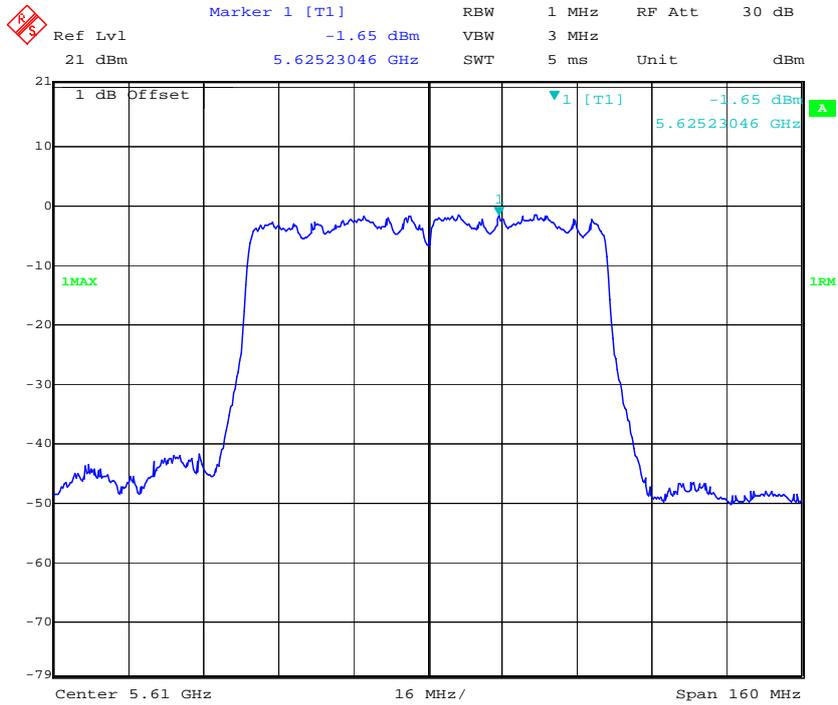
802.11 ac40 5710MHz – Chain1



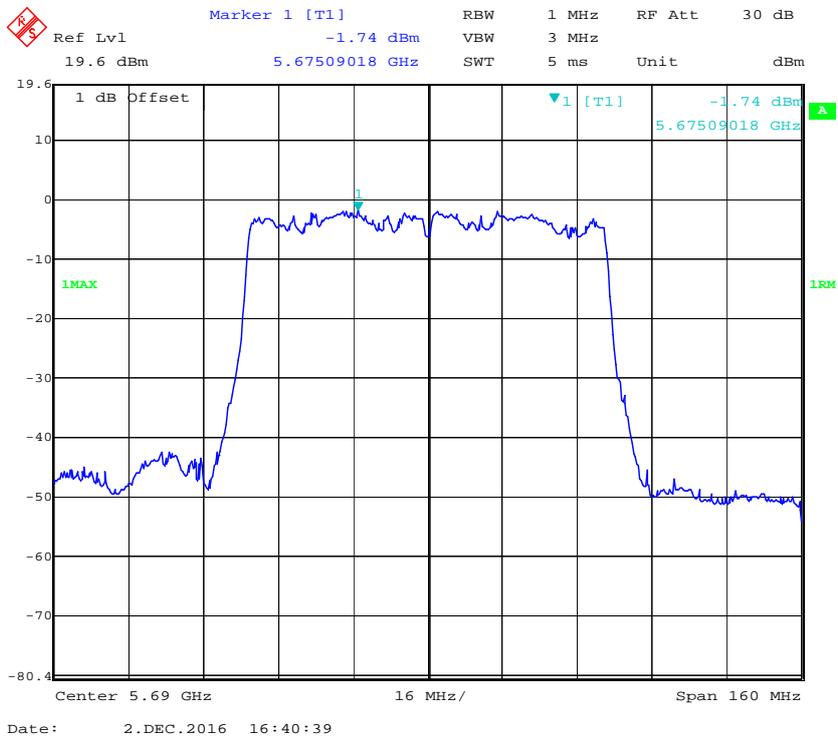
802.11 ac80 5530MHz – Chain1



### 802.11 ac80 5610MHz – Chain1



### 802.11 ac80 5690MHz – Chain1



5725-5850MHz(SISO mode was tested since SISO mode was the maximum power mode per chain, so combined the results were more than mode for both Beamforming and Non-Beamforming mode):

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/300kHz)		Power Spectral Density (dBm/500kHz)		Duty Cycle Factor (dB)	Power Spectral Density (dBm/500kHz)	
			Chain 0	Chain 1	Chain 0	Chain 1		Total	Limit
802.11 a	Low	5745	3.66	4.62	5.88	6.84	0.22	9.62	27.6
	Middle	5785	3.89	3.76	6.11	5.98	0.22	9.28	27.6
	High	5825	4.65	4.27	6.87	6.49	0.22	9.91	27.6
802.11 n20	Low	5745	3.37	4.27	5.59	6.49	0.22	9.29	27.6
	Middle	5785	4.02	3.92	6.24	6.14	0.22	9.42	27.6
	High	5825	4.72	4.6	6.94	6.82	0.22	10.11	27.6
802.11 ac20	Low	5745	3.73	4.57	5.95	6.79	0.22	9.62	27.6
	Middle	5785	3.4	4.2	5.62	6.42	0.22	9.27	27.6
	High	5825	2.89	3.53	5.11	5.75	0.22	8.67	27.6
802.11 n40	Low	5755	-0.6	-0.67	1.62	1.55	0.46	5.06	27.6
	High	5795	0.2	-0.12	2.42	2.1	0.46	5.73	27.6
802.11 ac40	Low	5755	-0.37	0.12	1.85	2.34	0.51	5.62	27.6
	High	5795	-0.41	0.31	1.81	2.53	0.51	5.71	27.6
802.11 ac80	Middle	5775	-4.52	-4.49	-2.3	-2.27	0.76	1.49	27.6

Note 1: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add  $10\log(500\text{kHz}/\text{RBW})$  to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

Note 2: the device is a master device. the 2 antenna maximum antenna gain are 5.4dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

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

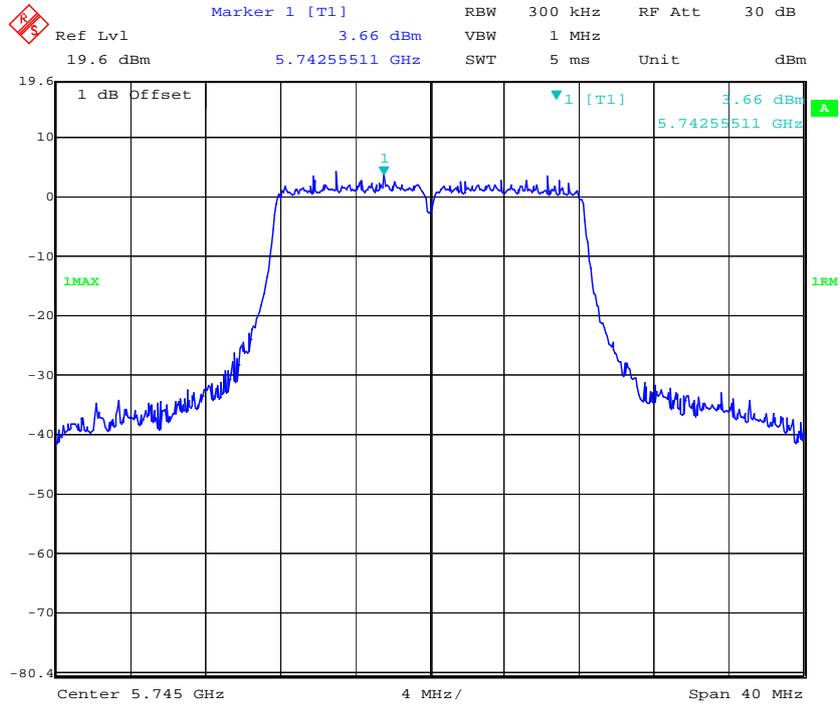
So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 5.4 + 10 \cdot \log(2) = 8.4 \text{ dBi} > 6\text{dBi}$$

$$\text{Power density Limit} = 30 - (8.4 - 6) = 27.6\text{dBm}$$

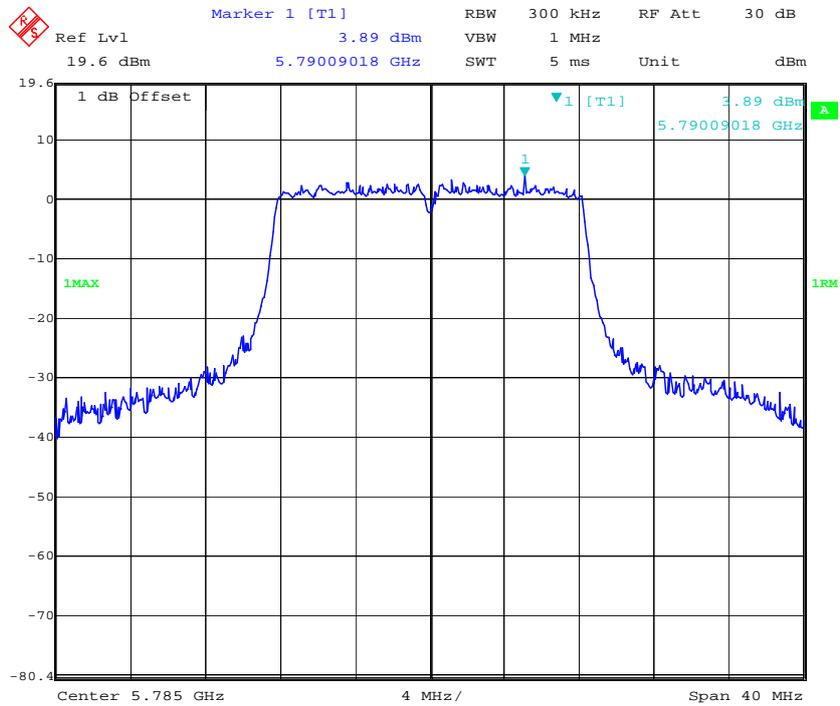
5725MHz-5850MHz:

### 802.11a Low Channel – Chain0



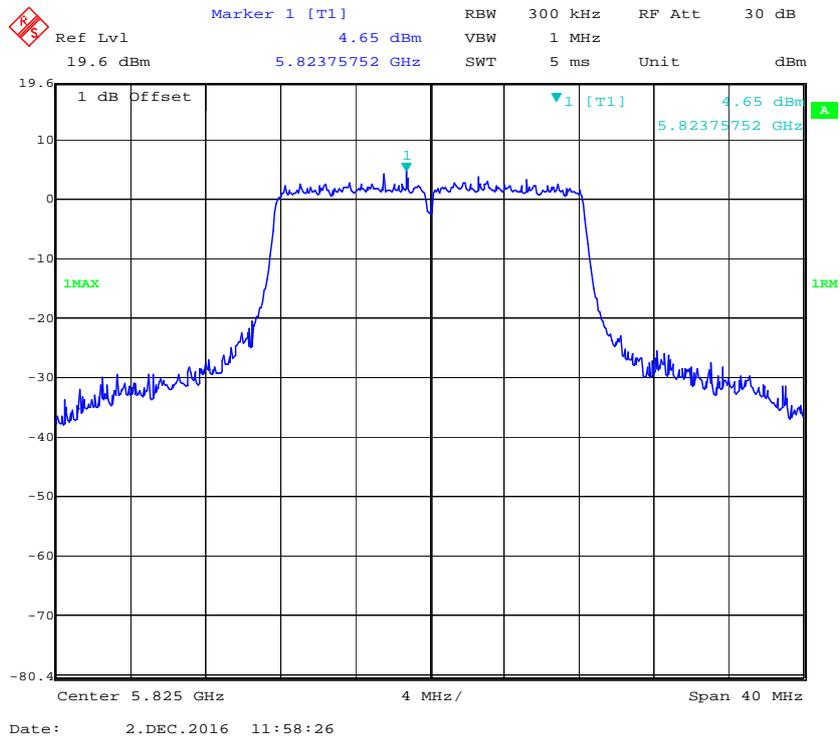
Date: 2.DEC.2016 11:54:33

### 802.11a Middle Channel – Chain0

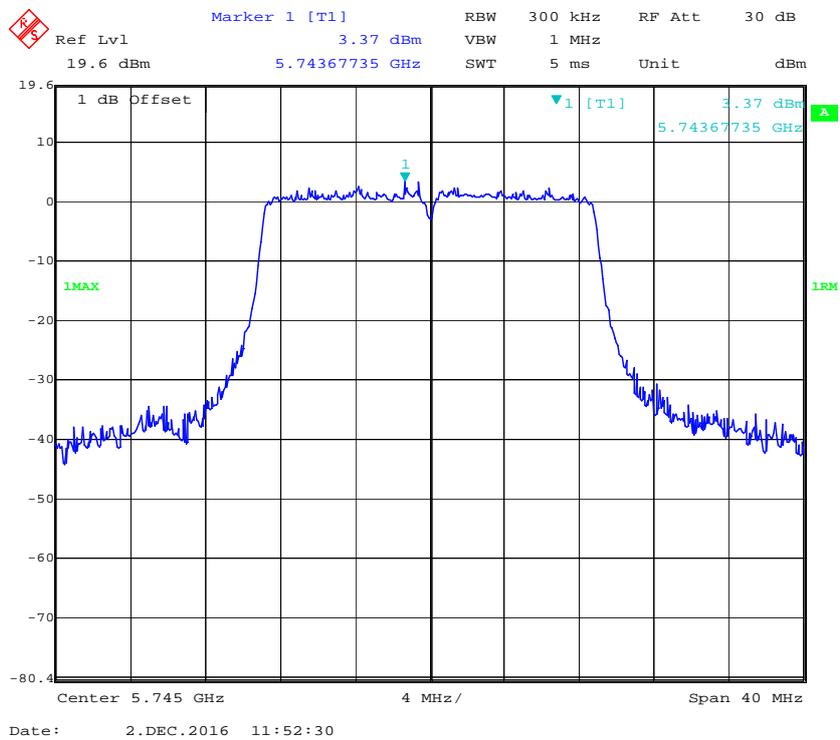


Date: 2.DEC.2016 11:56:41

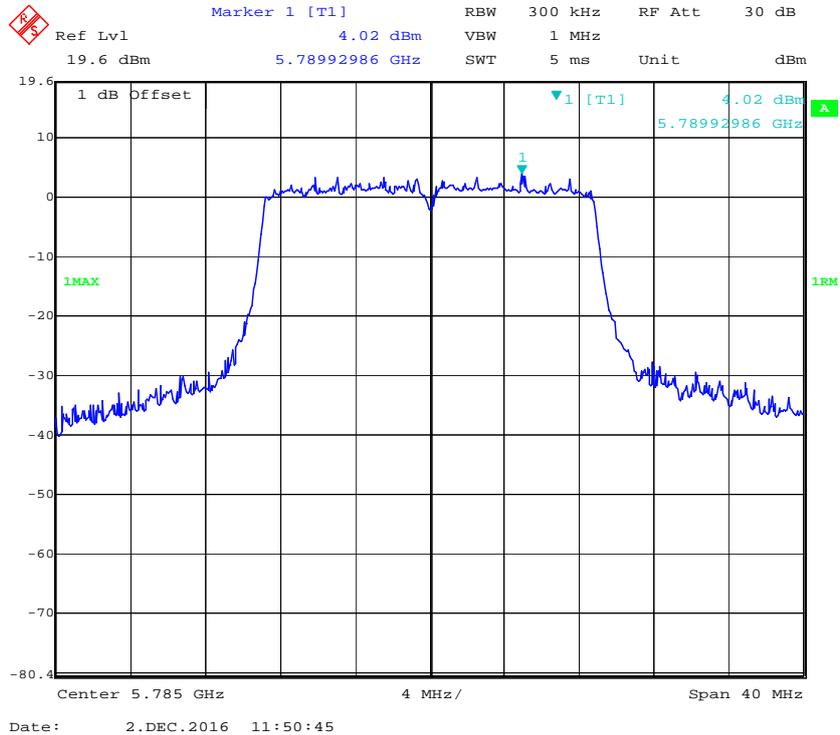
### 802.11a High Channel – Chain0



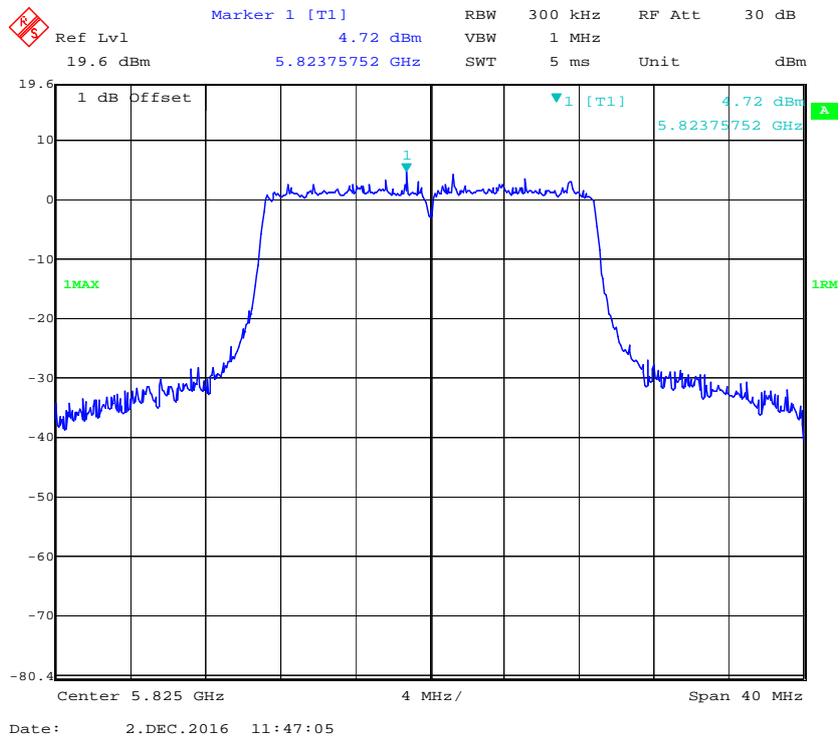
### 802.11n ht20 Low Channel – Chain0



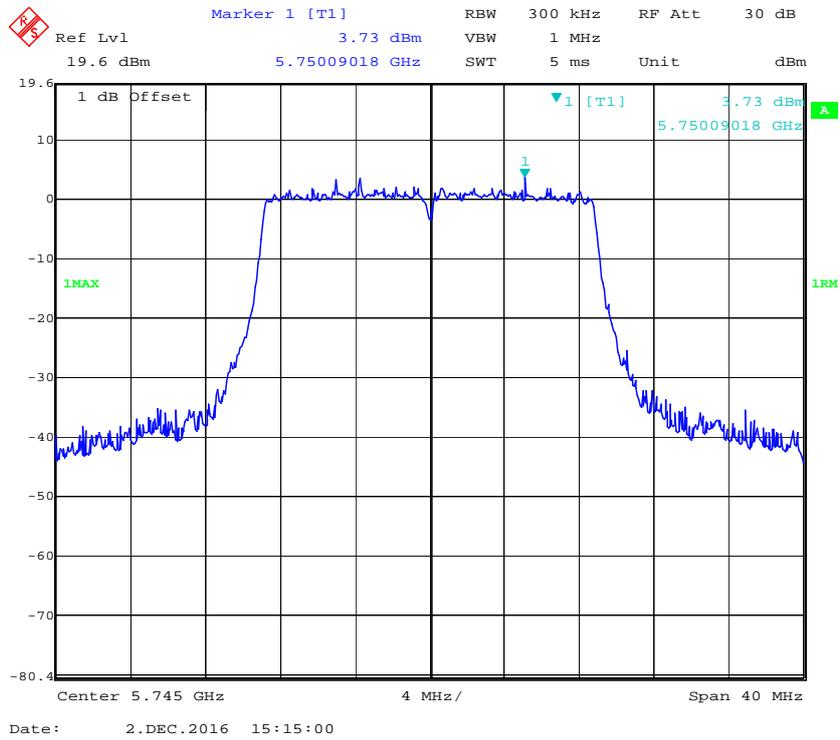
### 802.11n ht20 Middle Channel – Chain0



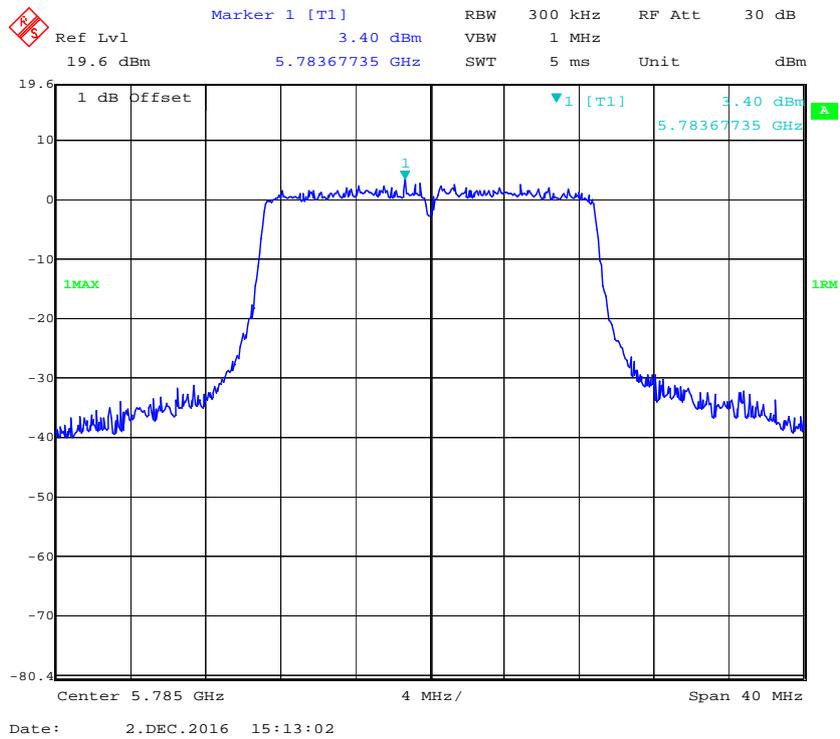
### 802.11n ht20 High Channel – Chain0



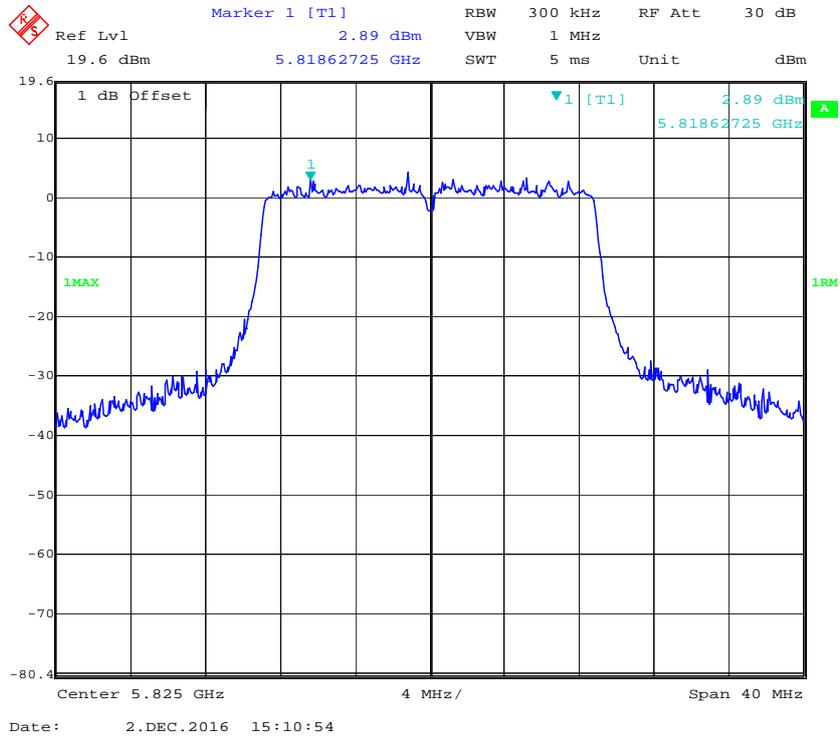
### 802.11 ac20 Low Channel – Chain0



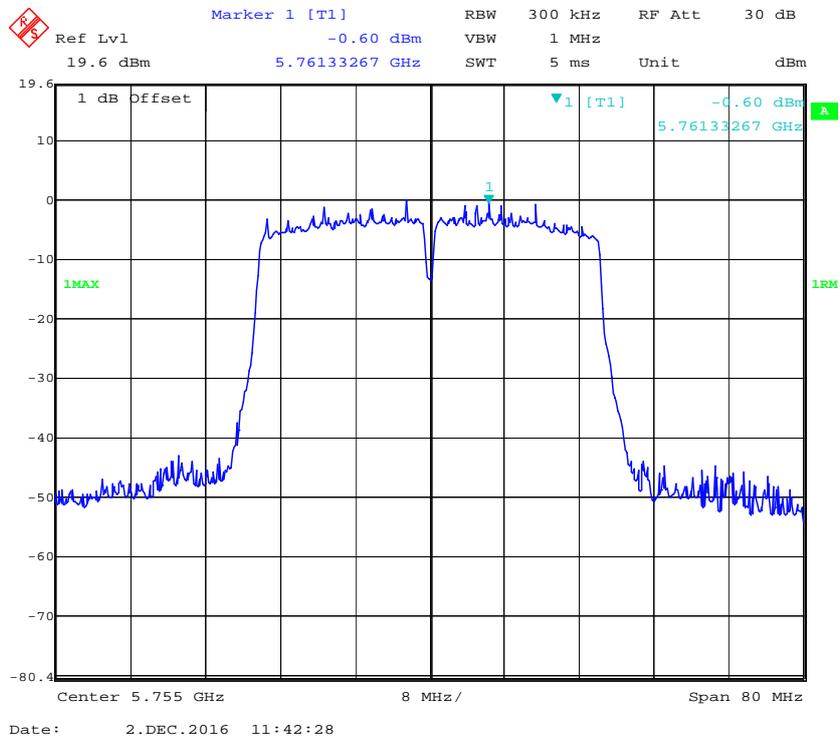
### 802.11 ac20 Middle Channel – Chain0



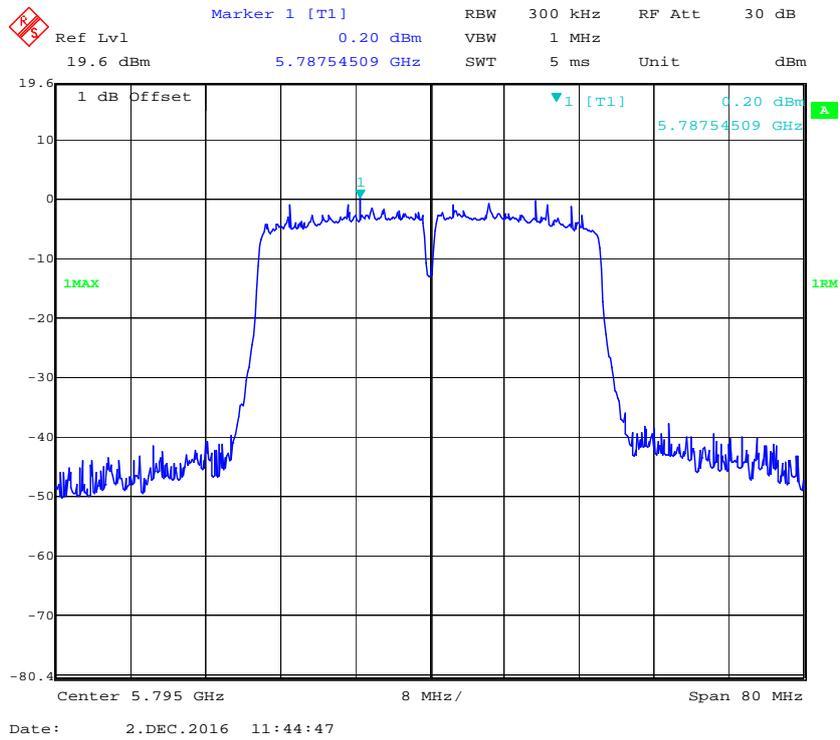
### 802.11 ac20 High Channel – Chain0



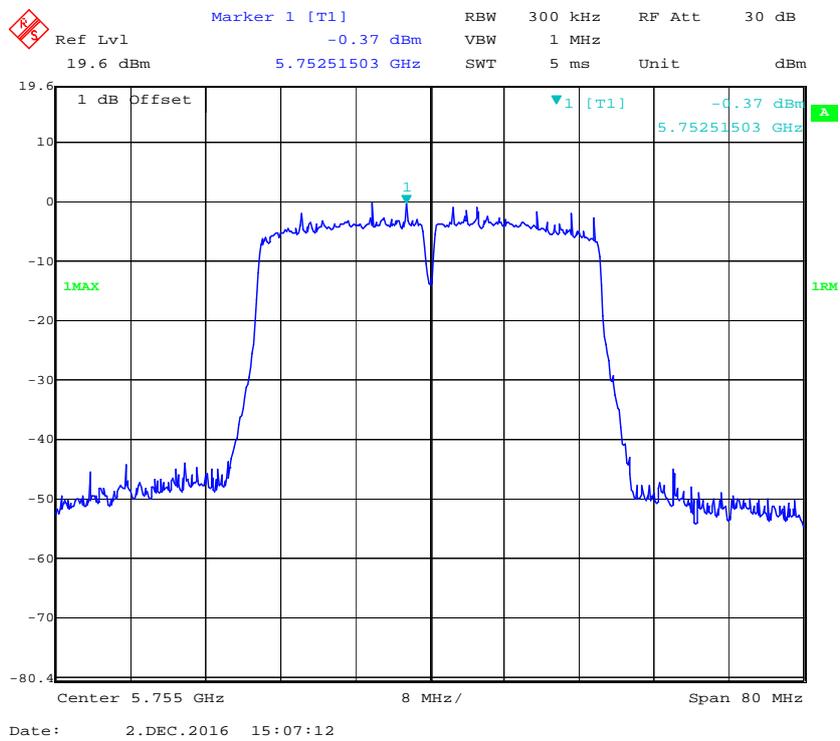
### 802.11n ht40 Low Channel – Chain0



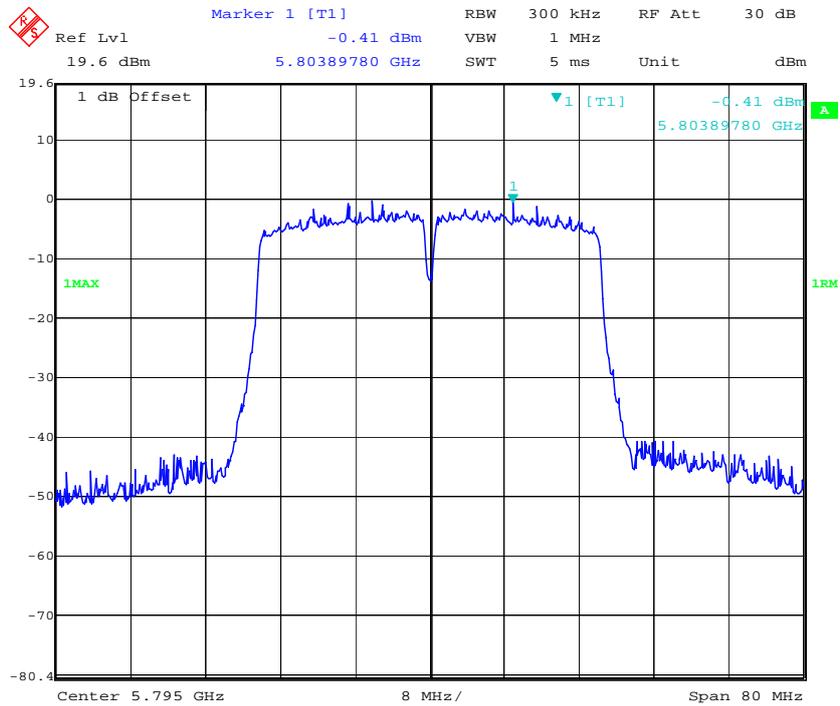
### 802.11n ht40 High Channel – Chain0



### 802.11 ac40 Low Channel – Chain0

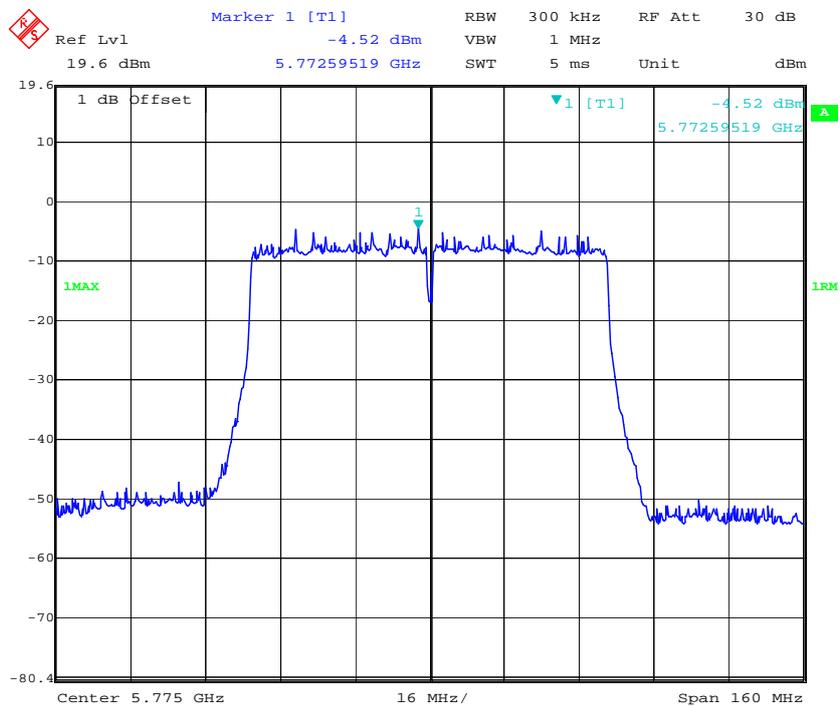


### 802.11 ac40 High Channel – Chain0



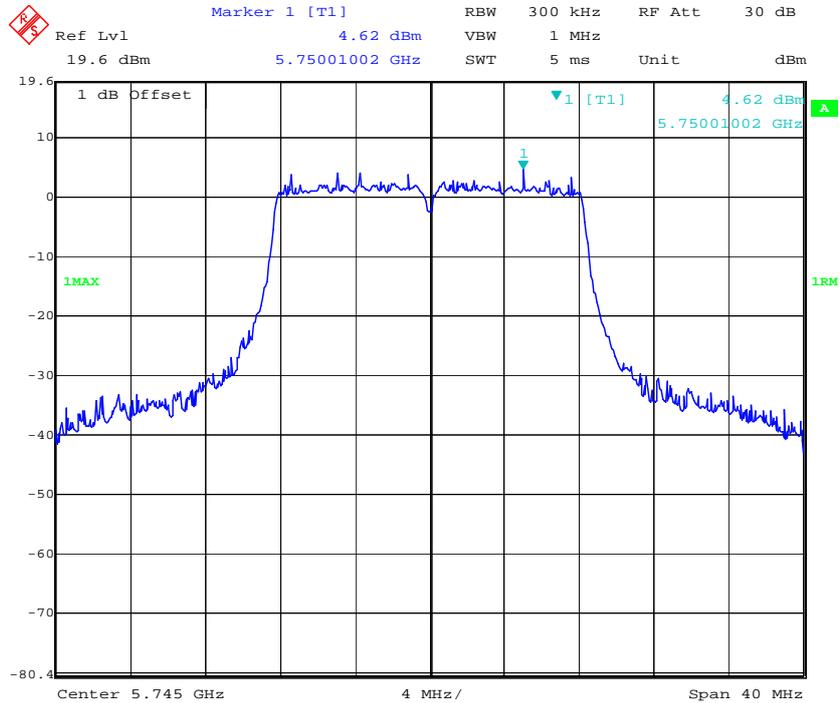
Date: 2.DEC.2016 15:08:54

### 802.11 ac80 Middle Channel – Chain0



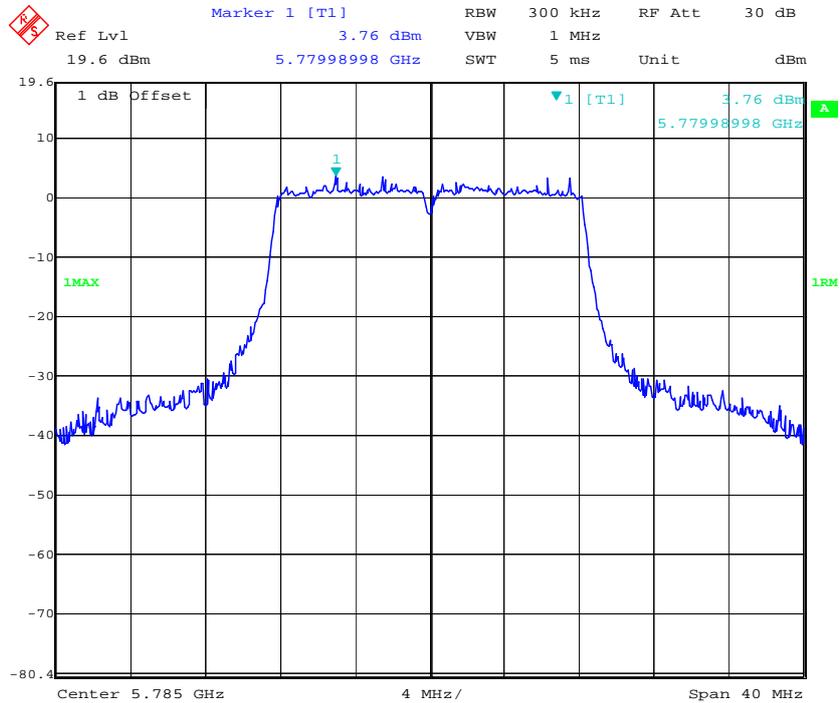
Date: 2.DEC.2016 11:39:44

### 802.11a Low Channel – Chain1



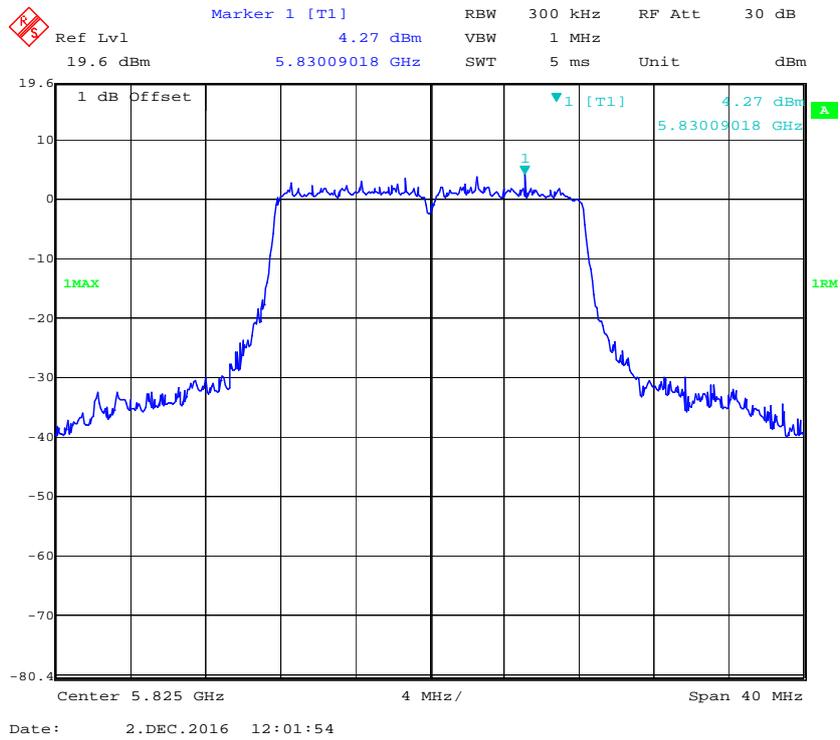
Date: 2.DEC.2016 12:05:51

### 802.11a Middle Channel – Chain1

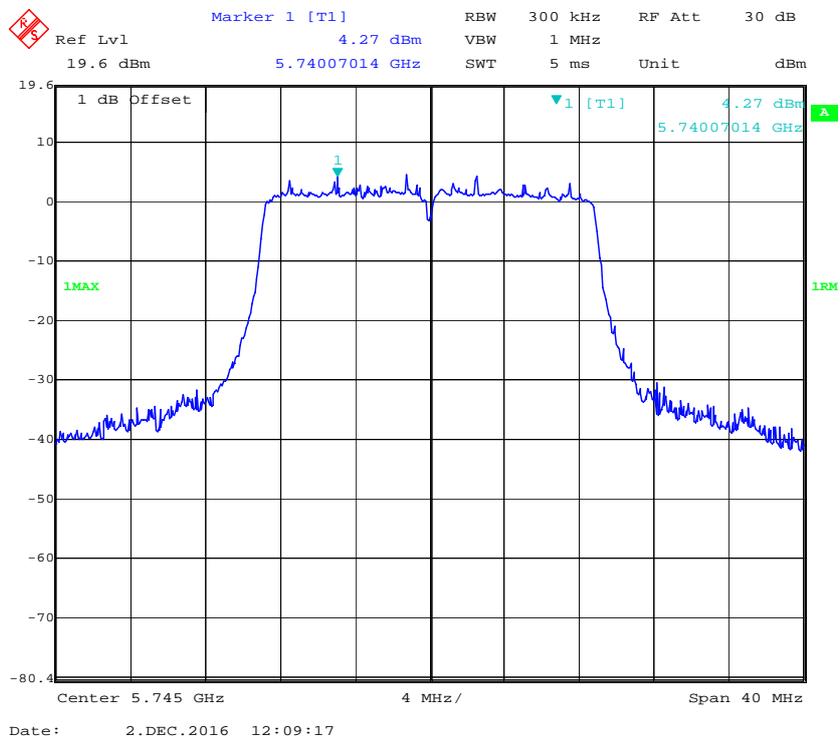


Date: 2.DEC.2016 12:07:02

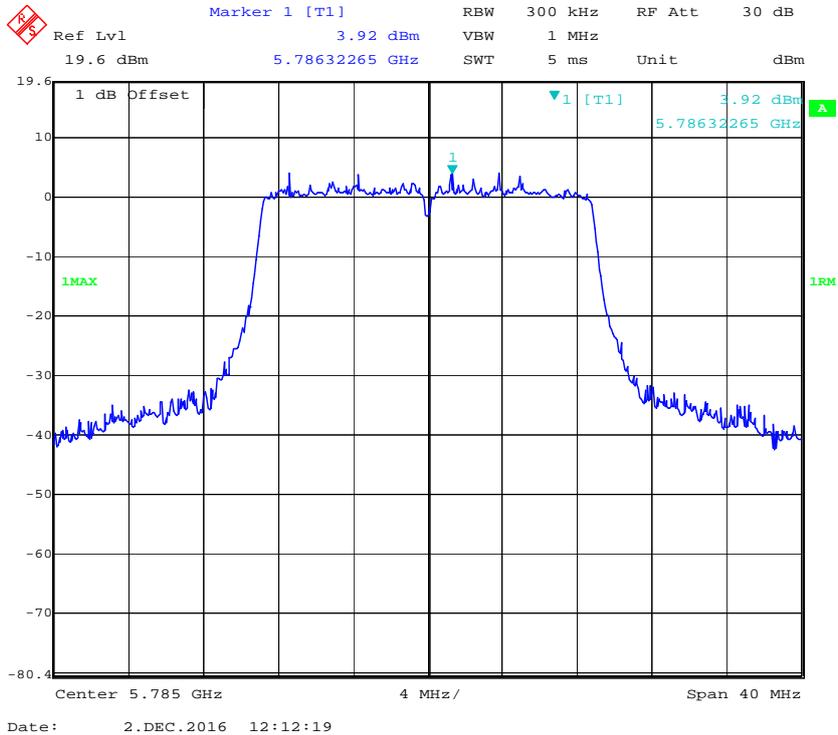
### 802.11a High Channel – Chain1



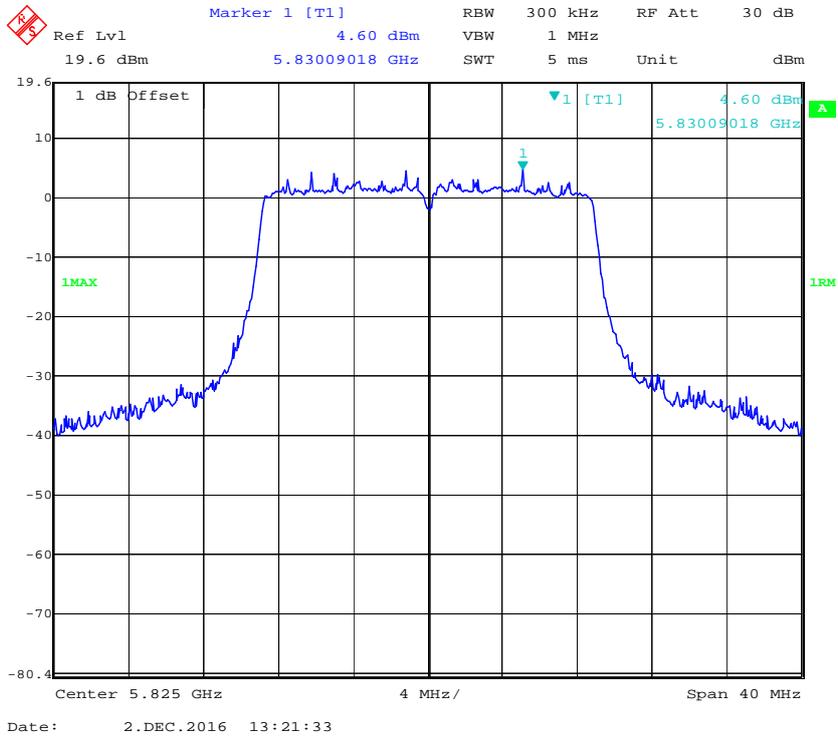
### 802.11n ht20 Low Channel – Chain1



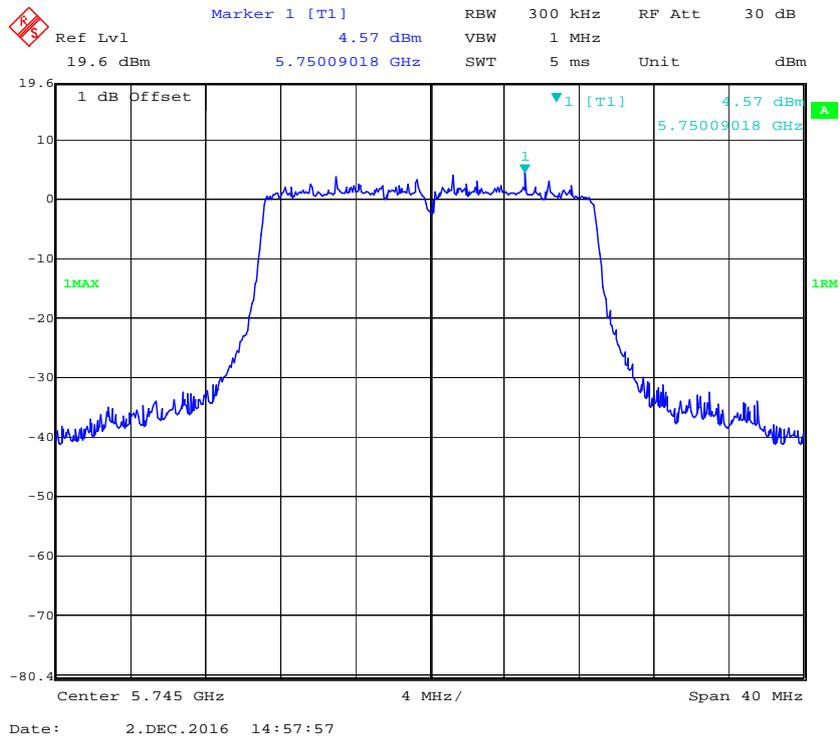
### 802.11n ht20 Middle Channel – Chain1



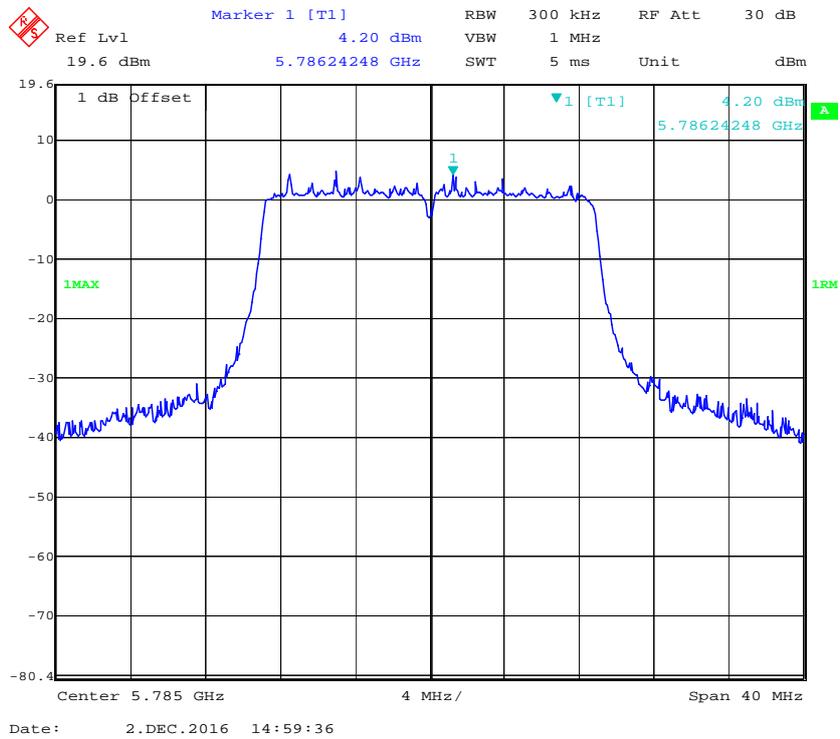
### 802.11n ht20 High Channel – Chain1



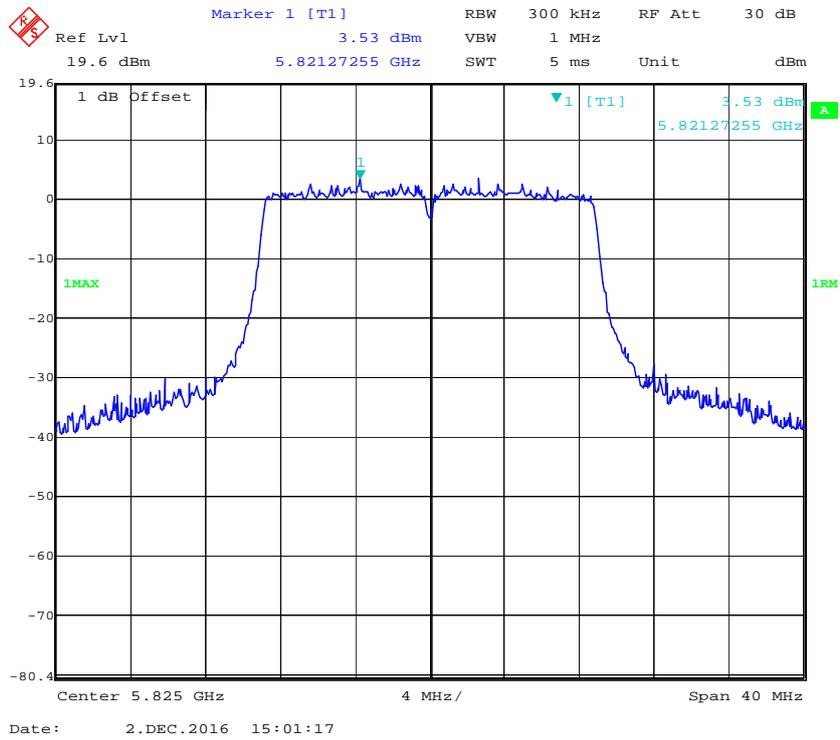
### 802.11 ac20 Low Channel – Chain1



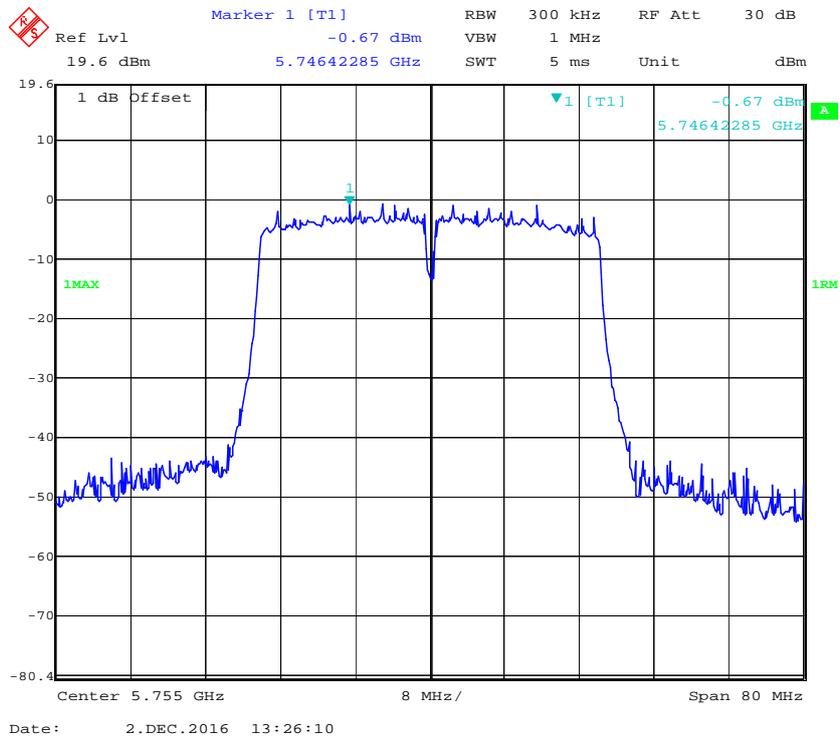
### 802.11 ac20 Middle Channel – Chain1



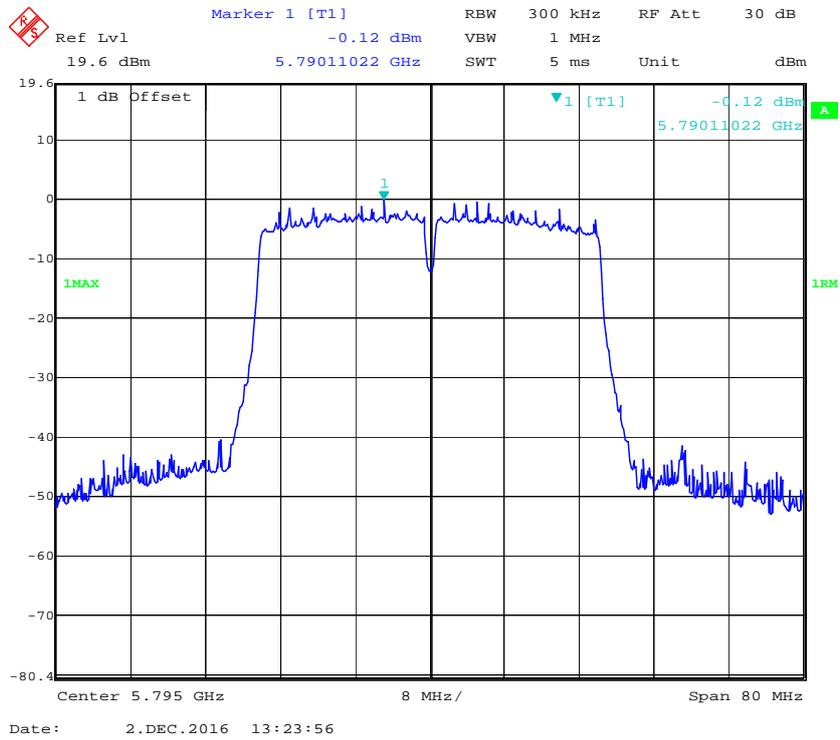
### 802.11 ac20 High Channel – Chain1



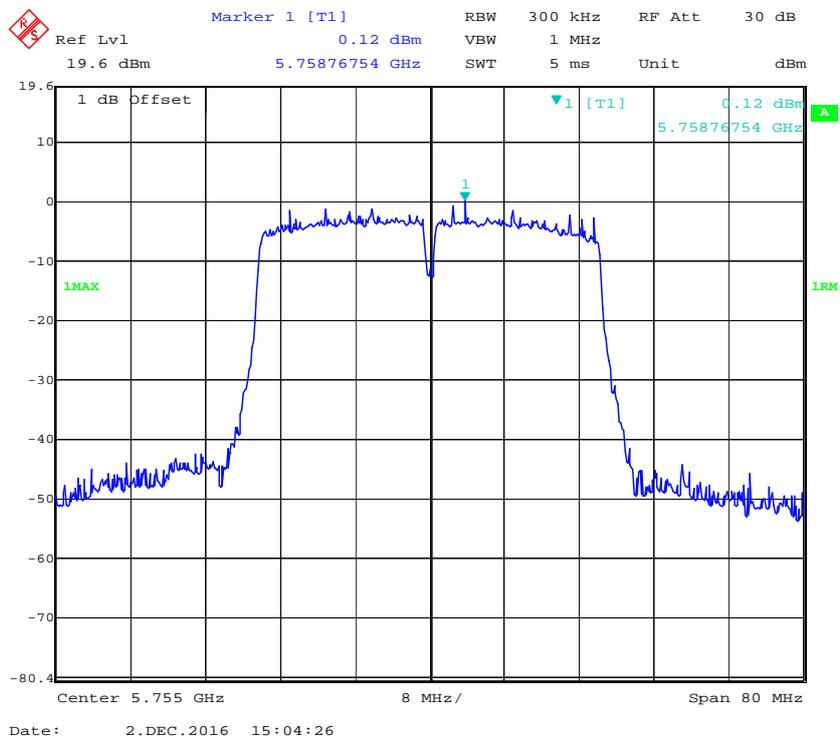
### 802.11n ht40 Low Channel – Chain1



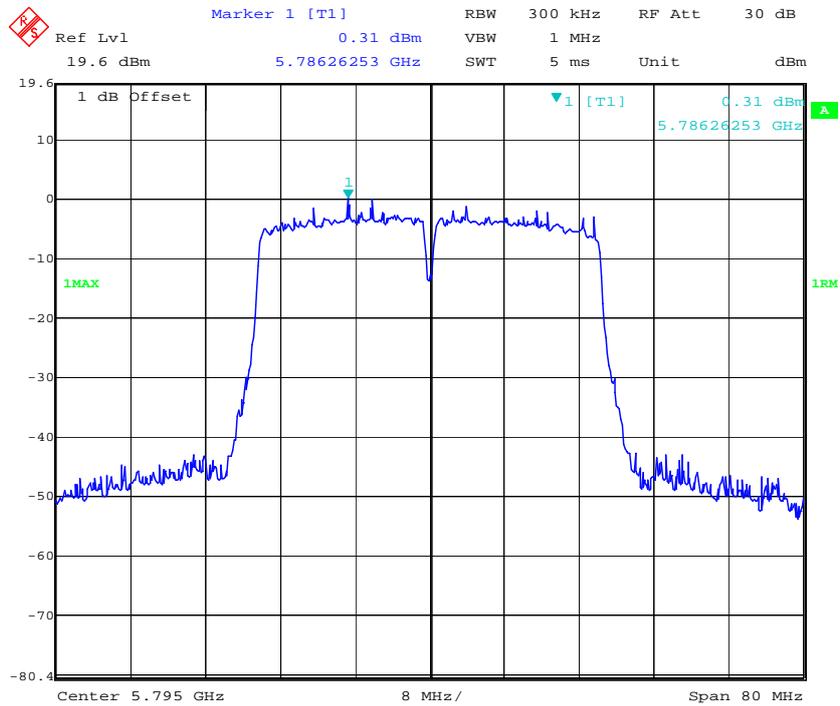
### 802.11n ht40 High Channel – Chain1



### 802.11 ac40 Low Channel – Chain1

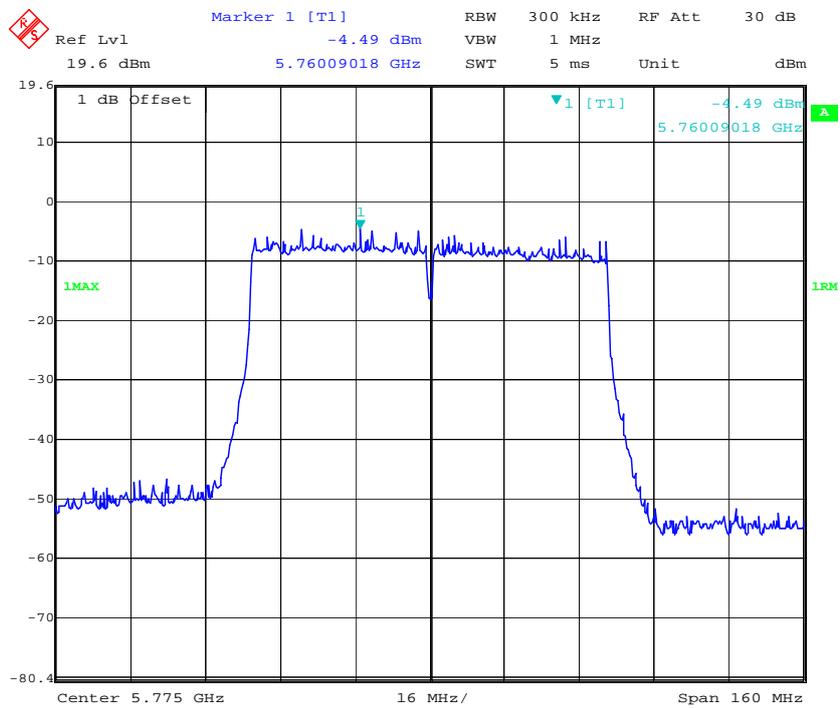


### 802.11 ac40 High Channel – Chain1



Date: 2.DEC.2016 15:02:52

### 802.11 ac80 Middle Channel – Chain1



Date: 2.DEC.2016 13:28:19

\*\*\*\*\* END OF REPORT \*\*\*\*\*