



FCC PART 15.407

TEST REPORT

For

Huawei Technologies Co.,Ltd

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Shenzhen, 518129, P.R.C

Test Model: EchoLife HG8245Q2
FCC ID: QISHG8245Q2

Report Type: Original Report	Product Name: GPON Terminal
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Report Number: <u>RDG161128001B</u>	
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TABLE OF CONTENTS

GENERAL INFORMATION.....	4
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
OBJECTIVE.....	4
RELATED SUBMITTAL(S)/GRANT(S).....	4
TEST METHODOLOGY.....	4
TEST FACILITY.....	5
SYSTEM TEST CONFIGURATION.....	6
DESCRIPTION OF TEST CONFIGURATION.....	6
EUT EXERCISE SOFTWARE	7
EQUIPMENT MODIFICATIONS.....	14
SUPPORT EQUIPMENT LIST AND DETAILS	14
EXTERNAL I/O CABLE	14
BLOCK DIAGRAM OF TEST SETUP	15
SUMMARY OF TEST RESULTS	16
FCC §15.407 (f) & §1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE).....	17
APPLICABLE STANDARD	17
FCC §15.203 – ANTENNA REQUIREMENT	19
APPLICABLE STANDARD	19
ANTENNA CONNECTOR CONSTRUCTION	19
FCC §15.407 (b) (6) §15.207 (a) – CONDUCTED EMISSIONS	20
APPLICABLE STANDARD	20
MEASUREMENT UNCERTAINTY	20
EUT SETUP.....	20
EMI TEST RECEIVER SETUP.....	21
CORRECTED AMPLITUDE & MARGIN CALCULATION	21
TEST EQUIPMENT LIST AND DETAILS.....	22
TEST PROCEDURE	22
TEST RESULTS SUMMARY	22
TEST DATA	22
FCC §15.209, §15.205 & §15.407(b) (1) (6) (7) –UNWANTED EMISSION.....	25
APPLICABLE STANDARD	25
MEASUREMENT UNCERTAINTY	25
EUT SETUP.....	26
EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP.....	27
TEST PROCEDURE	27
CORRECTED AMPLITUDE & MARGIN CALCULATION	28
TEST EQUIPMENT LIST AND DETAILS.....	28
TEST DATA	29
FCC §15.407(a) –EMISSION BANDWIDTH AND OCCUPIED BANDWIDTH	108
APPLICABLE STANDARD	108
TEST EQUIPMENT LIST AND DETAILS.....	108
TEST PROCEDURE	108
TEST DATA	108

FCC §15.407(a) –MAXIMUM CONDUCTED OUTPUT POWER..... 136
 APPLICABLE STANDARD 136
 TEST EQUIPMENT LIST AND DETAILS..... 137
 TEST PROCEDURE 137
 TEST DATA 137

FCC §15.407(a) - POWER SPECTRAL DENSITY 142
 APPLICABLE STANDARD 142
 TEST PROCEDURE 143
 TEST EQUIPMENT LIST AND DETAILS..... 143
 TEST DATA 143

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The **Huawei Technologies Co.,Ltd**'s product, model number: **EchoLife HG8245Q2** (**FCC ID: QISHG8245Q2**) (the "EUT") in this report was a **GPON Terminal**, which was measured approximately: 26.5 cm (L) x 17.5 cm (W) x 8.2 cm (H), rated input voltage: DC 12V for adapter.

**All measurement and test data in this report was gathered from final production sample, serial number: 161128001(assigned by the BACL, Chengdu). It may have deviation from any other sample. The EUT supplied by the applicant was received on 2016-11-29, 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 submission with FCC ID: QISHG8245Q2.
FCC Part 15B JBP submission with FCC ID: QISHG8245Q2.

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 ± 3.17 dB, the uncertainty of any radiation on emissions measurement is:

30M~200MHz: ± 4.7 dB;
200M~1GHz: ± 6.0 dB;
1G-6GHz: ± 5.13 dB;
6G~25GHz: ± 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, the vh20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40.

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, 142 for 802.11n ht40, 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 3TX 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, 2
	802.11n ht20	MCS0_20	36, 40, 48, 52, 56, 64, 100, 120, 140, 144, 149, 157, 165	0, 1, 2
	802.11n ht40	MCS0_40	38, 46, 54, 62, 102, 118, 134, 142, 151, 159	0, 1, 2
	802.11ac 80	AC-MCS0_80	42, 58, 106, 122, 138, 155	0, 1, 2
2TX	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 80	AC-MCS0_80	42, 58, 106, 122, 138, 155	0+1
3TX	802.11a	6Mbps	36, 40, 48, 52, 56, 64, 100, 120, 140, 144, 149, 157, 165	0+1+2
	802.11n ht20	MCS0_20	36, 40, 48, 52, 56, 64, 100, 120, 140, 144, 149, 157, 165	0+1+2
	802.11n ht40	MCS0_40	38, 46, 54, 62, 102, 118, 134, 142, 151, 159	0+1+2
	802.11ac 80	AC-MCS0_80	42, 58, 106, 122, 138, 155	0+1+2

EUT Exercise Software

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

1TX:

Software and version				IPOR&QSPR			
UNII Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Level		
					Chain 0	Chain 1	Chain 2
5150-5350MHz	802.11 a	Low	5180	6	20	20	20
		Middle	5200	6	20	20	20
		High	5240	6	20	20	20
	802.11 n20	Low	5180	HT20	20	20	20
		Middle	5200	HT20	20	20	20
		High	5240	HT20	20	20	20
	802.11 n40	Low	5190	MCS0_40	20	20	20
		High	5230	MCS0_40	20	20	20
	802.11 ac80	Middle	5210	AC-MCS0_80	18	18	18
5250-5350MHz	802.11 a	Low	5260	6	19	19	19
		Middle	5280	6	19	19	19
		High	5320	6	19	19	19
	802.11 n20	Low	5260	HT20	19	19	19
		Middle	5280	HT20	19	19	19
		High	5320	HT20	19	19	19
	802.11 n40	Low	5270	MCS0_40	20	20	20
		High	5310	MCS0_40	20	20	20
	802.11 ac80	Middle	5290	AC-MCS0_80	17	17	17
5470-5725MHz	802.11 a	Low	5500	6	20	20	20
		Middle	5600	6	20	20	20
		High	5700	6	20	20	20
		crossed	5720	6	20	20	20
	802.11 n20	Low	5500	MCS0_20	20	20	20
		Middle	5600	MCS0_20	20	20	20
		High	5700	MCS0_20	18	18	18
		crossed	5720	MCS0_20	20	20	20
	802.11 n40	Low	5510	MCS0_40	20	20	20
		Middle	5590	MCS0_40	20	20	20
		High	5670	MCS0_40	20	20	20
		crossed	5710	MCS0_40	20	20	20
	802.11 ac80	Low	5530	AC-MCS0_80	18	18	18
		Middle	5610	AC-MCS0_80	20	20	20
		crossed	5690	AC-MCS0_80	20	20	20
5725-5850MHz	802.11 a	Low	5745	6	20	20	20
		Middle	5785	6	20	20	20
		High	5825	6	20	20	20
	802.11 n20	Low	5745	MCS0_20	20	20	20
		Middle	5785	MCS0_20	20	20	20
		High	5825	MCS0_20	20	20	20
	802.11 n40	Low	5755	MCS0_40	20	20	20
		High	5795	MCS0_40	20	20	20
	802.11 ac80	Middle	5775	AC-MCS0_80	20	20	20

2TX:

Software and version				IPOR&QSPR			
UNII Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Level		
					Chain 0	Chain 1	Chain 2
5150-5250MHz	802.11 a	Low	5180	6	20	20	20
		Middle	5200	6	20	20	20
		High	5240	6	20	20	20
	802.11 n20	Low	5180	HT20	20	20	20
		Middle	5200	HT20	20	20	20
		High	5240	HT20	20	20	20
	802.11 n40	Low	5190	MCS0_40	20	20	20
		High	5230	MCS0_40	20	20	20
	802.11 ac80	Middle	5210	AC-MCS0_80	18	18	18
5250-5350MHz	802.11 a	Low	5260	6	16	16	16
		Middle	5280	6	16	16	16
		High	5320	6	16	16	16
	802.11 n20	Low	5260	HT20	16	16	16
		Middle	5280	HT20	16	16	16
		High	5320	HT20	16	16	16
	802.11 n40	Low	5270	MCS0_40	20	20	20
		High	5310	MCS0_40	18	18	18
	802.11 ac80	Middle	5290	AC-MCS0_80	16	16	16
5470-5725MHz	802.11 a	Low	5500	6	16	16	16
		Middle	5600	6	16	16	16
		High	5700	6	16	16	16
		crossed	5720	6	16	16	16
	802.11 n20	Low	5500	MCS0_20	16	16	16
		Middle	5600	MCS0_20	16	16	16
		High	5700	MCS0_20	16	16	16
		crossed	5720	MCS0_20	16	16	16
	802.11 n40	Low	5510	MCS0_40	17	17	17
		Middle	5590	MCS0_40	20	20	20
		High	5670	MCS0_40	20	20	20
		crossed	5710	MCS0_40	20	20	20
	802.11 ac80	Low	5530	AC-MCS0_80	17	17	17
		Middle	5610	AC-MCS0_80	20	20	20
		crossed	5690	AC-MCS0_80	20	20	20
5725-5850MHz	802.11 a	Low	5745	6	20	20	20
		Middle	5785	6	20	20	20
		High	5825	6	20	20	20
	802.11 n20	Low	5745	MCS0_20	20	20	20
		Middle	5785	MCS0_20	20	20	20
		High	5825	MCS0_20	20	20	20
	802.11 n40	Low	5755	MCS0_40	20	20	20
		High	5795	MCS0_40	20	20	20
	802.11 ac80	Middle	5775	AC-MCS0_80	20	20	20

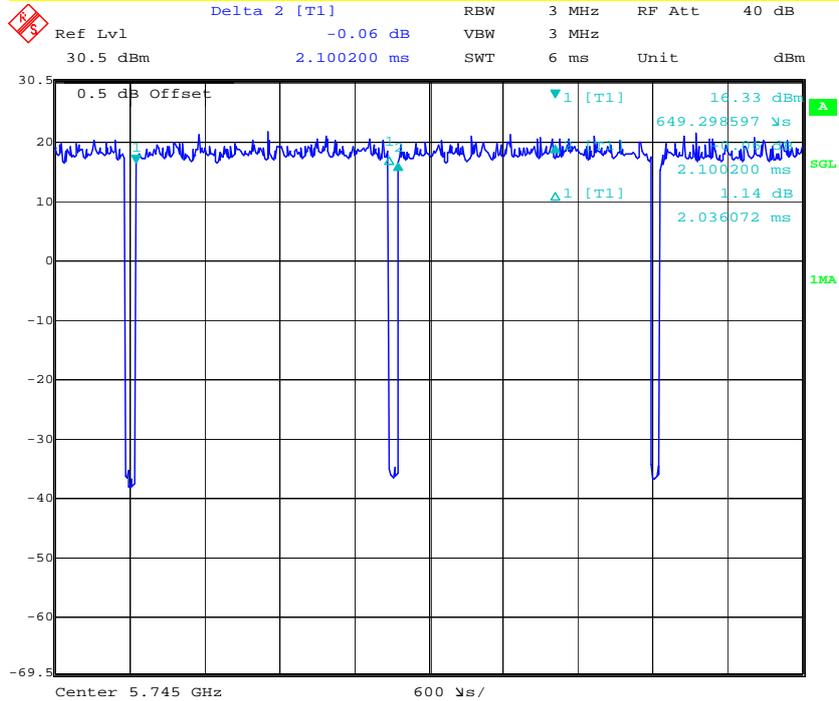
3TX:

Software and version				IPOR&QSPR			
UNII Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Level		
					Chain 0	Chain 1	Chain 2
5150-5250MHz	802.11 a	Low	5180	6	20	20	20
		Middle	5200	6	20	20	20
		High	5240	6	20	20	20
	802.11 n20	Low	5180	HT20	20	20	20
		Middle	5200	HT20	20	20	20
		High	5240	HT20	20	20	20
	802.11 n40	Low	5190	MCS0_40	20	20	20
		High	5230	MCS0_40	20	20	20
	802.11 ac80	Middle	5210	AC-MCS0_80	15	15	15
5250-5350MHz	802.11 a	Low	5260	6	14	14	14
		Middle	5280	6	14	14	14
		High	5320	6	14	14	14
	802.11 n20	Low	5260	HT20	14	14	14
		Middle	5280	HT20	14	14	14
		High	5320	HT20	14	14	14
	802.11 n40	Low	5270	MCS0_40	17	17	17
		High	5310	MCS0_40	17	17	17
	802.11 ac80	Middle	5290	AC-MCS0_80	17	17	17
5470-5725MHz	802.11 a	Low	5500	6	14	14	14
		Middle	5600	6	14	14	14
		High	5700	6	14	14	14
		crossed	5720	6	14	14	14
	802.11 n20	Low	5500	MCS0_20	14	14	14
		Middle	5600	MCS0_20	14	14	14
		High	5700	MCS0_20	14	14	14
		crossed	5720	MCS0_20	14	14	14
	802.11 n40	Low	5510	MCS0_40	17	17	17
		Middle	5590	MCS0_40	17	17	17
		High	5670	MCS0_40	17	17	17
		crossed	5710	MCS0_40	17	17	17
	802.11 ac80	Low	5530	AC-MCS0_80	15	15	15
		Middle	5610	AC-MCS0_80	18	18	18
		crossed	5690	AC-MCS0_80	18	18	18
5725-5850MHz	802.11 a	Low	5745	6	20	20	20
		Middle	5785	6	20	20	20
		High	5825	6	20	20	20
	802.11 n20	Low	5745	MCS0_20	20	20	20
		Middle	5785	MCS0_20	20	20	20
		High	5825	MCS0_20	20	20	20
	802.11 n40	Low	5755	MCS0_40	20	20	20
		High	5795	MCS0_40	20	20	20
	802.11 ac80	Middle	5775	AC-MCS0_80	18	18	18

The duty cycle as below:

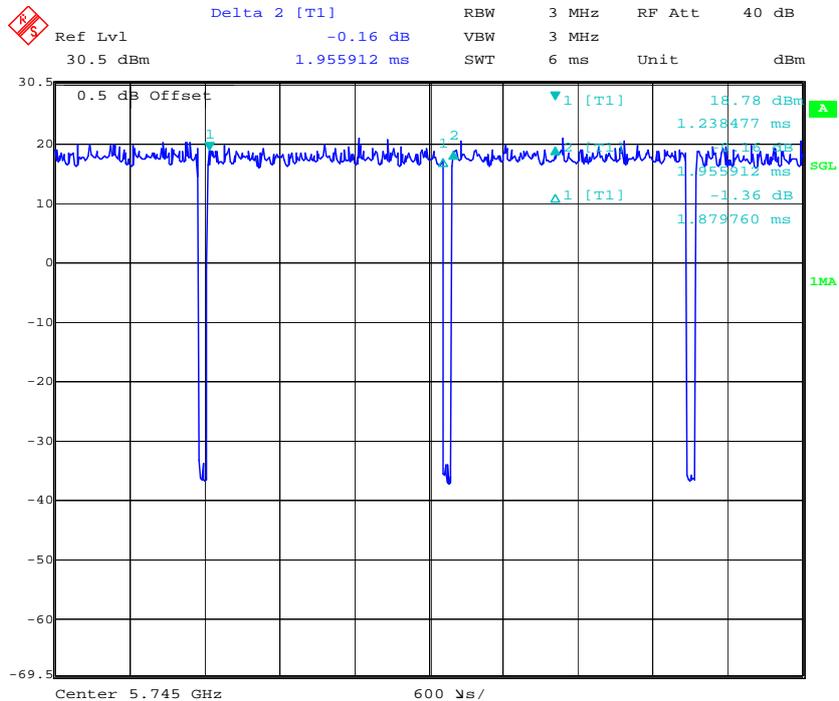
Mode	T_{on} (ms)	T_{on+off} (ms)	Duty Cycle (%)	Duty Cycle Factor 10*log(1/x) (dB)	Minimum Transmission Duration (T) (ms)
802.11a	2.04	2.10	97%	0.13	2.04
802.11n ht20	1.88	1.96	96%	0.18	1.88
802.11n ht40	0.90	1.00	90%	0.46	0.90
802.11 ac80	0.46	0.53	87%	0.60	0.46

802.11a



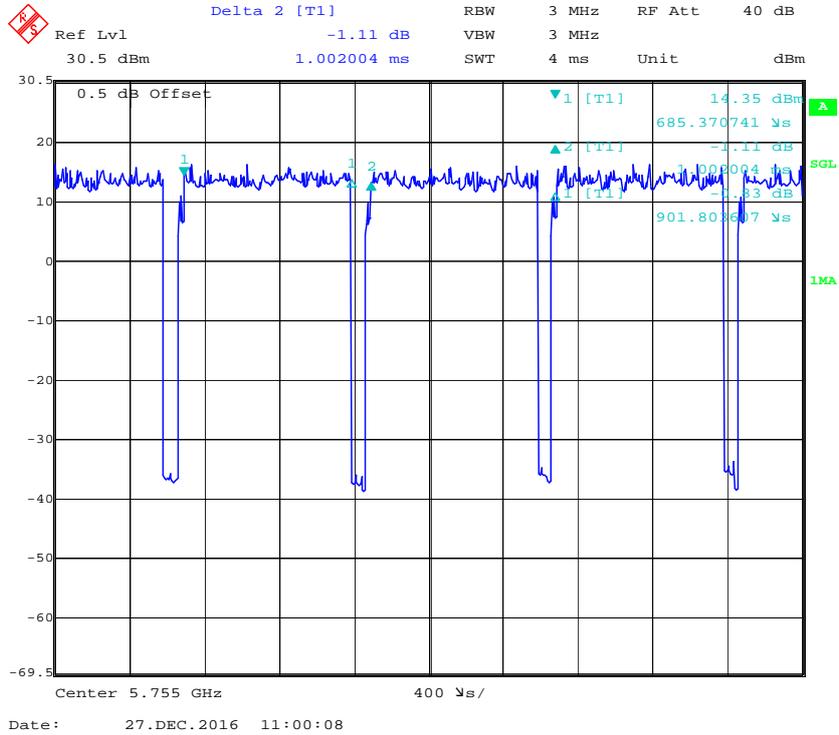
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802.11n ht20

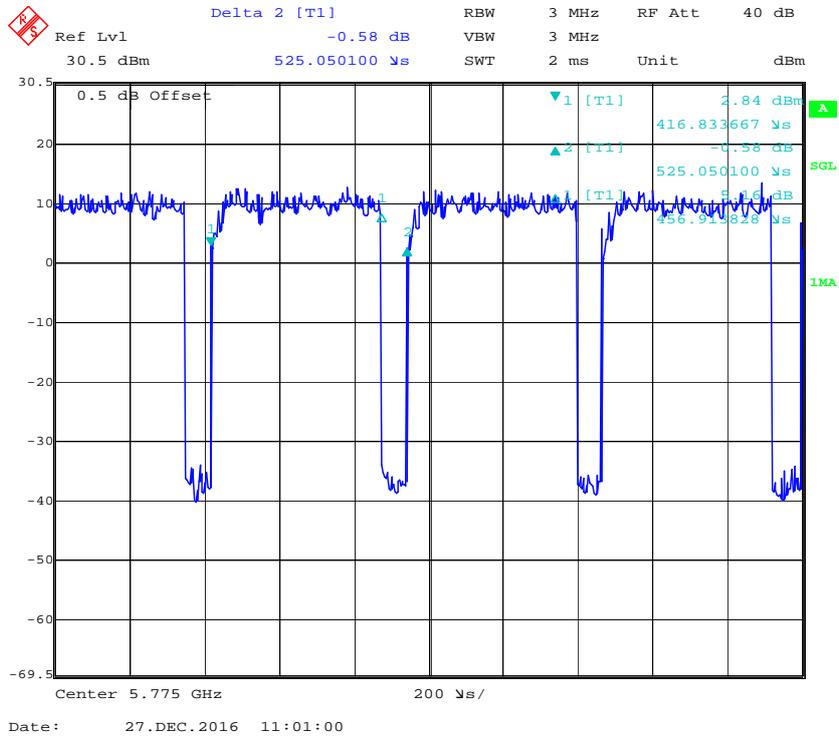


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802.11n ht40



802.11ac80



Equipment Modifications

No modification was made to the EUT.

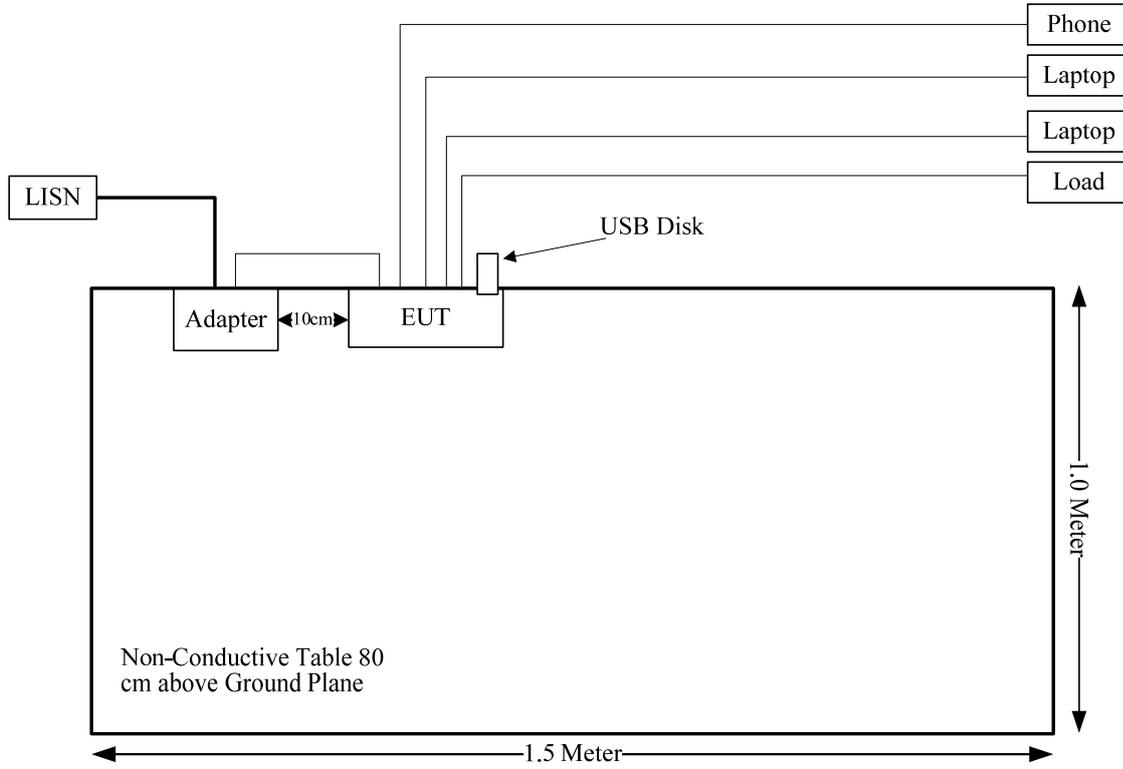
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Dell	Laptop	E6410	/
HUAWEI	Adapter	HW-120300U3W	/
Kingston	USB Disk	8G	/
Lusent	Phone	08D+	48589
DELL	Laptop	PP11L	QDS-BRCM1017

External I/O Cable

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable*2	No	Yes	10	RJ45 Port of Laptop	EUT
DC Power Line	No	No	1.2	Adapter	EUT
RJ45 Cable*2	No	Yes	10	EUT	Load
RJ11 Cable	No	No	10	EUT	phone

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.407 (f) & §1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliance
§15.203	Antenna Requirement	Compliance
§15.407(b)(6)& §15.207(a)	Conducted Emissions	Compliance
§15.205& §15.209 &§15.407(b) (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

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

Applicable Standard

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

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

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

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

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

Calculated Formulary:

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

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

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

Calculated Data:

Frequency (MHz)	Antenna Gain		Tune-up Power		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
	(dBi)	(numeric)	(dBm)	(mW)			
2400-2483.5	2	1.58	26	398.11	20.00	0.1256	1.0
5150-5850	2	1.58	25	316.23	20.00	0.0998	1.0

The 2.4GHz and 5GHz band can transmit simultaneously:

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

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

$$=0.13/1+0.1/1$$

$$=0.23$$

$$< 1.0$$

Result: The device meet FCC MPE at 20 cm distance

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

And according to FCC 47 CFR section 15.407 (a)(1), if transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT have 3 internal antennas for 2.4G WIFI and the gain of each antenna is 2.0 dBi, 3 internal antennas for 5G WIFI and the gain of each antenna is 2.0 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliance.

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;

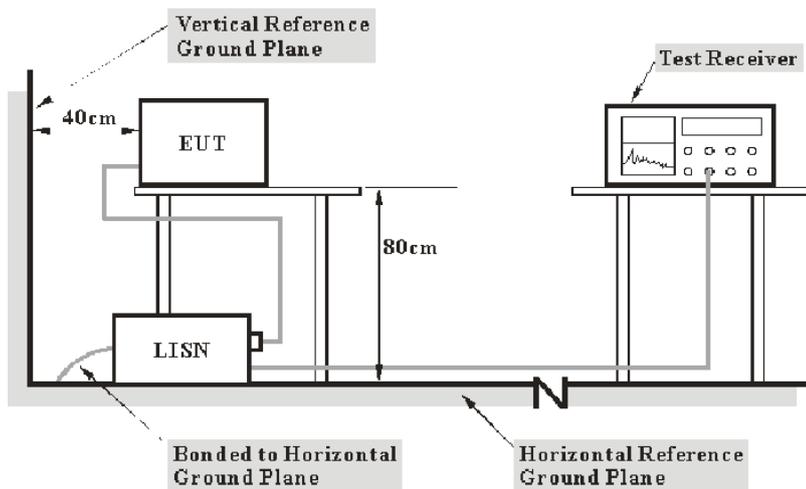
–non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

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 ± 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.

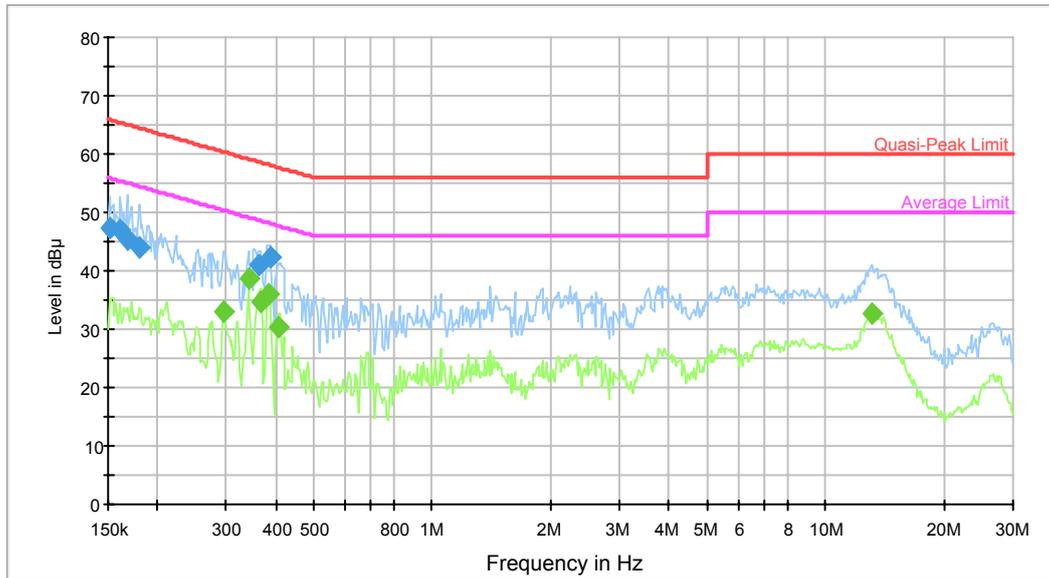
Test Data

Environmental Conditions

Temperature:	26.6 °C
Relative Humidity:	42 %
ATM Pressure:	101.4 kPa

The testing was performed by Lorin Bian on 2016-12-14.

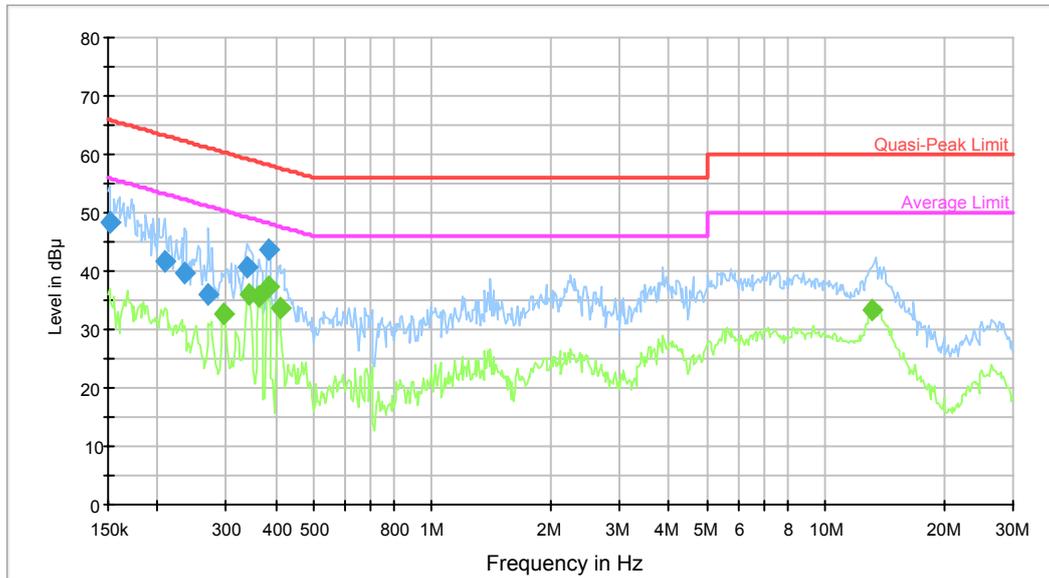
AC120 V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.151200	47.4	9.000	L1	19.7	18.5	65.9	Compliance
0.161152	47.1	9.000	L1	19.7	18.3	65.4	Compliance
0.167702	45.3	9.000	L1	19.7	19.8	65.1	Compliance
0.180171	44.1	9.000	L1	19.7	20.4	64.5	Compliance
0.363254	40.9	9.000	L1	19.7	17.8	58.7	Compliance
0.387164	42.4	9.000	L1	19.8	15.7	58.1	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.295282	33.1	9.000	L1	19.7	17.3	50.4	Compliance
0.340821	38.5	9.000	L1	19.7	10.7	49.2	Compliance
0.366160	34.7	9.000	L1	19.7	13.9	48.6	Compliance
0.384091	35.8	9.000	L1	19.8	12.4	48.2	Compliance
0.406123	30.3	9.000	L1	19.8	17.3	47.7	Compliance
13.210237	32.6	9.000	L1	20.0	17.4	50.0	Compliance

AC120 V, 60 Hz, Neutral:



frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.151200	48.4	9.000	N	19.7	17.5	65.9	Compliance
0.209621	41.6	9.000	N	19.6	21.6	63.2	Compliance
0.234359	39.8	9.000	N	19.6	22.5	62.3	Compliance
0.270502	36.1	9.000	N	19.6	25.0	61.1	Compliance
0.338116	40.8	9.000	N	19.6	18.4	59.2	Compliance
0.384091	43.6	9.000	N	19.6	14.6	58.2	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.295282	32.8	9.000	N	19.6	17.6	50.4	Compliance
0.340821	36.1	9.000	N	19.6	13.1	49.2	Compliance
0.363254	35.6	9.000	N	19.6	13.1	48.7	Compliance
0.384091	37.2	9.000	N	19.6	11.0	48.2	Compliance
0.409372	33.8	9.000	N	19.6	13.9	47.7	Compliance
13.210237	33.4	9.000	N	19.9	16.6	50.0	Compliance

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

Applicable Standard

FCC §15.407; §15.209; §15.205;

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

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

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

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

(4) For transmitters operating in the 5.725-5.85 GHz band: 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 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 radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Chengdu) is:

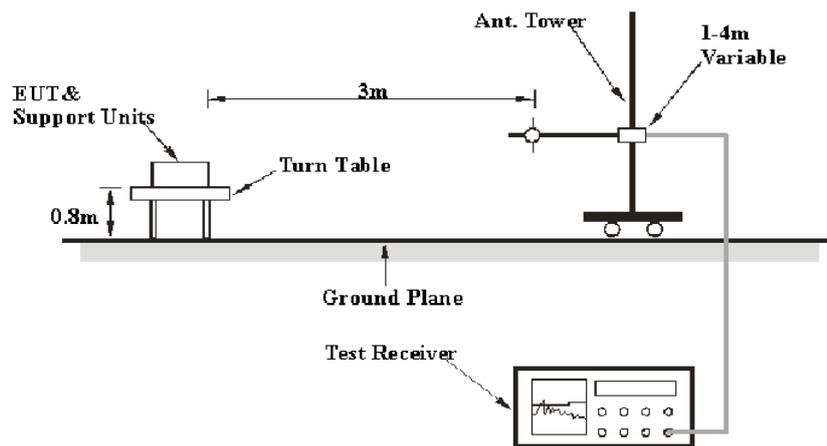
- 30M~200MHz: ±4.7 dB ;
- 200M~1GHz: ±6.0 dB ;
- 1G-6GHz: ±5.13dB;
- 6G~25GHz: ±5.47 dB;

Table 1 – Values of U_{cispr}

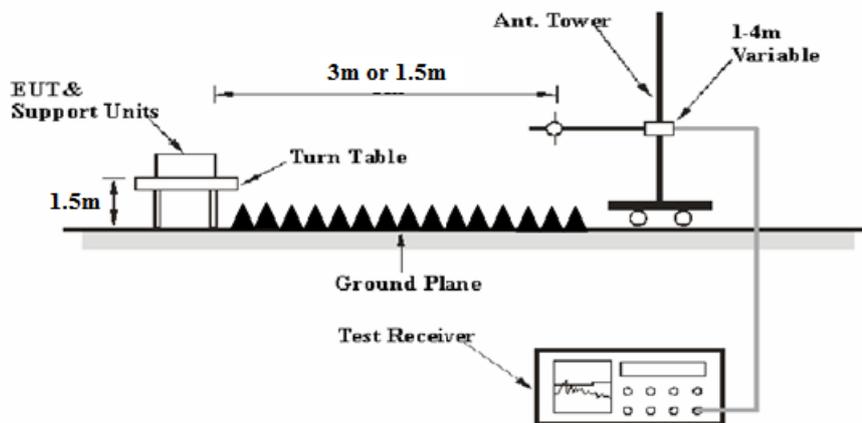
Measurement	U_{cispr}
Radiated disturbance (electric field strength at an OATS or in a SAC) (30 MHz to 1000 MHz)	6.3 dB
Radiated disturbance (electric field strength in a FAR) (1 GHz to 6 GHz)	5.2 dB
Radiated disturbance (electric field strength in a FAR) (6 GHz to 18 GHz)	5.5 dB

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 μ 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	2016-12-02	2017-12-01
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Sunol Sciences	Broadband Antenna	JB3	A101808	2016-04-10	2019-04-09
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
ETS	Horn Antenna	3115	003-6076	2016-12-02	2017-12-01
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

Temperature:	24.6 °C
Relative Humidity:	59 %
ATM Pressure:	100.8 kPa

** The testing was performed by Lorin Bian on 2016-12-09.*

Test Mode: Transmitting(Above 1GHz test performed at distance 1.5m from EUT to Antenna)

5150MHz - 5250MHz

1TX:

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	70.39	PK	H	31.72	5.21	0.00	107.32	101.32	N/A	N/A
5180	60.01	AV	H	31.72	5.21	0.00	96.94	90.94	N/A	N/A
5180	82.10	PK	V	31.72	5.21	0.00	119.03	113.03	N/A	N/A
5180	72.09	AV	V	31.72	5.21	0.00	109.02	103.02	N/A	N/A
5150	40.44	PK	V	31.67	5.18	0.00	77.29	71.29	74	2.71
5150	21.83	AV	V	31.67	5.18	0.00	58.68	52.68	54	1.32
10360	34.20	PK	V	37.37	7.76	26.37	52.96	46.96	74	27.04
10360	23.32	AV	V	37.37	7.76	26.37	42.08	36.08	54	17.92
15540	36.50	PK	V	39.41	10.22	25.32	60.81	54.81	74	19.19
15540	25.48	AV	V	39.41	10.22	25.32	49.79	43.79	54	10.21
2435	36.78	PK	V	23.42	3.00	26.88	36.32	30.32	74	43.68
2435	26.65	AV	V	23.42	3.00	26.88	26.19	20.19	54	33.81
6113	34.87	PK	V	33.01	6.00	26.63	47.25	41.25	74	32.75
6113	22.83	AV	V	33.01	6.00	26.63	35.21	29.21	54	24.79
400.54	41.28	QP	H	16.12	1.64	28.23	30.81	30.81	46.00	15.19
500.45	37.85	QP	H	18.10	1.61	28.82	28.74	28.74	46.00	17.26
Middle Channel:5200 MHz										
5200	71.25	PK	H	31.76	5.23	0.00	108.24	102.24	N/A	N/A
5200	61.09	AV	H	31.76	5.23	0.00	98.08	92.08	N/A	N/A
5200	82.84	PK	V	31.76	5.23	0.00	119.83	113.83	N/A	N/A
5200	72.33	AV	V	31.76	5.23	0.00	109.32	103.32	N/A	N/A
10400	35.00	PK	V	37.38	7.79	26.36	53.81	47.81	74	26.19
10400	23.51	AV	V	37.38	7.79	26.36	42.32	36.32	54	17.68
15600	37.43	PK	V	39.42	10.22	25.31	61.76	55.76	74	18.24
15600	25.80	AV	V	39.42	10.22	25.31	50.13	44.13	54	9.87
2644	37.79	PK	V	23.49	3.12	26.75	37.65	31.65	74	42.35
2644	27.80	AV	V	23.49	3.12	26.75	27.66	21.66	54	32.34
6255	34.71	PK	V	33.16	6.05	26.59	47.33	41.33	74	32.67
6255	23.40	AV	V	33.16	6.05	26.59	36.02	30.02	54	23.98
400.54	41.45	QP	H	16.12	1.64	28.23	30.98	30.98	46.00	15.02
500.45	37.68	QP	H	18.10	1.61	28.82	28.57	28.57	46.00	17.43

High Channel:5240 MHz										
5240	70.79	PK	H	31.83	5.27	0.00	107.89	101.89	N/A	N/A
5240	61.31	AV	H	31.83	5.27	0.00	98.41	92.41	N/A	N/A
5240	82.13	PK	V	31.83	5.27	0.00	119.23	113.23	N/A	N/A
5240	72.70	AV	V	31.83	5.27	0.00	109.8	103.8	N/A	N/A
5350	33.47	PK	V	32.03	5.37	0.00	70.87	64.87	74	9.13
5350	16.94	AV	V	32.03	5.37	0.00	54.34	48.34	54	5.66
10480	33.49	PK	V	37.40	7.84	26.35	52.38	46.38	74	27.62
10480	23.41	AV	V	37.40	7.84	26.35	42.3	36.3	54	17.7
15720	36.44	PK	V	39.44	10.24	25.30	60.82	54.82	74	19.18
15720	25.33	AV	V	39.44	10.24	25.30	49.71	43.71	54	10.29
1723	32.72	PK	V	24.46	2.84	26.55	33.47	27.47	74	46.53
1723	21.44	AV	V	24.46	2.84	26.55	22.19	16.19	54	37.81
6237	34.46	PK	V	33.14	6.04	26.60	47.04	41.04	74	32.96
6237	23.63	AV	V	33.14	6.04	26.60	36.21	30.21	54	23.79
400.54	41.53	QP	H	16.12	1.64	28.23	31.06	31.06	46.00	14.94
500.45	38.05	QP	H	18.10	1.61	28.82	28.94	28.94	46.00	17.06

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	80.59	PK	H	31.72	5.21	0.00	117.52	111.52	N/A	N/A
5180	70.66	AV	H	31.72	5.21	0.00	107.59	101.59	N/A	N/A
5180	71.05	PK	V	31.72	5.21	0.00	107.98	101.98	N/A	N/A
5180	61.20	AV	V	31.72	5.21	0.00	98.13	92.13	N/A	N/A
5150	39.04	PK	H	31.67	5.18	0.00	75.89	69.89	74	4.11
5150	21.68	AV	H	31.67	5.18	0.00	58.53	52.53	54	1.47
10360	34.45	PK	H	37.37	7.76	26.37	53.21	47.21	74	26.79
10360	24.19	AV	H	37.37	7.76	26.37	42.95	36.95	54	17.05
15540	36.98	PK	H	39.41	10.22	25.32	61.29	55.29	74	18.71
15540	25.54	AV	H	39.41	10.22	25.32	49.85	43.85	54	10.15
3327	36.40	PK	H	26.03	3.92	26.53	39.82	33.82	74	40.18
3327	26.04	AV	H	26.03	3.92	26.53	29.46	23.46	54	30.54
6302	34.59	PK	H	33.20	6.06	26.58	47.27	41.27	74	32.73
6302	22.87	AV	H	33.20	6.06	26.58	35.55	29.55	54	24.45
400.54	42.05	QP	H	16.12	1.64	28.23	31.58	31.58	46.00	14.42
500.45	38.32	QP	H	18.10	1.61	28.82	29.21	29.21	46.00	16.79
Middle Channel:5200 MHz										
5200	80.93	PK	H	31.76	5.23	0.00	117.92	111.92	N/A	N/A
5200	70.36	AV	H	31.76	5.23	0.00	107.35	101.35	N/A	N/A
5200	71.60	PK	V	31.76	5.23	0.00	108.59	102.59	N/A	N/A
5200	61.72	AV	V	31.76	5.23	0.00	98.71	92.71	N/A	N/A
10400	35.20	PK	H	37.38	7.79	26.36	54.01	48.01	74	19.99
10400	23.56	AV	H	37.38	7.79	26.36	42.37	36.37	54	11.63
15600	36.58	PK	H	39.42	10.22	25.31	60.91	54.91	74	13.09
15600	26.27	AV	H	39.42	10.22	25.31	50.6	44.6	54	3.4
3276	37.86	PK	H	25.75	3.84	26.51	40.94	34.94	74	33.06
3276	26.92	AV	H	25.75	3.84	26.51	30	24	54	24
6354	35.47	PK	H	33.25	6.08	26.57	48.23	42.23	74	25.77
6354	23.08	AV	H	33.25	6.08	26.57	35.84	29.84	54	18.16
400.54	42.12	QP	H	16.12	1.64	28.23	31.65	31.65	46.00	14.35
500.45	38.61	QP	H	18.10	1.61	28.82	29.50	29.50	46.00	16.50

High Channel:5240 MHz										
5240	80.11	PK	H	31.83	5.27	0.00	117.21	111.21	N/A	N/A
5240	70.60	AV	H	31.83	5.27	0.00	107.7	101.7	N/A	N/A
5240	70.44	PK	V	31.83	5.27	0.00	107.54	101.54	N/A	N/A
5240	59.88	AV	V	31.83	5.27	0.00	96.98	90.98	N/A	N/A
5350	27.55	PK	H	32.03	5.37	0.00	64.95	58.95	74	15.05
5350	15.33	AV	H	32.03	5.37	0.00	52.73	46.73	54	7.27
10480	34.18	PK	H	37.40	7.84	26.35	53.07	47.07	74	26.93
10480	23.25	AV	H	37.40	7.84	26.35	42.14	36.14	54	17.86
15720	36.55	PK	H	39.44	10.24	25.30	60.93	54.93	74	19.07
15720	25.07	AV	H	39.44	10.24	25.30	49.45	43.45	54	10.55
3326	37.47	PK	H	26.03	3.92	26.53	40.89	34.89	74	39.11
3326	25.99	AV	H	26.03	3.92	26.53	29.41	23.41	54	30.59
6345	35.15	PK	H	33.25	6.08	26.57	47.91	41.91	74	32.09
6345	23.29	AV	H	33.25	6.08	26.57	36.05	30.05	54	23.95
400.54	42.23	QP	H	16.12	1.64	28.23	31.76	31.76	46.00	14.24
500.45	37.66	QP	H	18.10	1.61	28.82	28.55	28.55	46.00	17.45

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	81.53	PK	H	31.74	5.22	0.00	118.49	112.49	N/A	N/A
5190	71.34	AV	H	31.74	5.22	0.00	108.3	102.3	N/A	N/A
5190	71.57	PK	V	31.74	5.22	0.00	108.53	102.53	N/A	N/A
5190	61.86	AV	V	31.74	5.22	0.00	98.82	92.82	N/A	N/A
5150	39.26	PK	H	31.67	5.18	0.00	76.11	70.11	74	3.89
5150	22.04	AV	H	31.67	5.18	0.00	58.89	52.89	54	1.11
10380	35.05	PK	H	37.38	7.78	26.37	53.84	47.84	74	26.16
10380	23.77	AV	H	37.38	7.78	26.37	42.56	36.56	54	17.44
15570	36.44	PK	H	39.41	10.22	25.31	60.76	54.76	74	19.24
15570	25.37	AV	H	39.41	10.22	25.31	49.69	43.69	54	10.31
3216	38.53	PK	H	25.41	3.75	26.49	41.2	35.2	74	38.8
3216	27.62	AV	H	25.41	3.75	26.49	30.29	24.29	54	29.71
6425	35.15	PK	H	33.33	6.10	26.55	48.03	42.03	74	31.97
6425	23.32	AV	H	33.33	6.10	26.55	36.2	30.2	54	23.8
400.54	42.15	QP	H	16.12	1.64	28.23	31.68	31.68	46.00	14.32
500.45	39.75	QP	H	18.10	1.61	28.82	30.64	30.64	46.00	15.36
High Channel:5230 MHz										
5230	80.53	PK	H	31.81	5.26	0.00	117.6	111.6	N/A	N/A
5230	70.07	AV	H	31.81	5.26	0.00	107.14	101.14	N/A	N/A
5230	70.13	PK	V	31.81	5.26	0.00	107.2	101.2	N/A	N/A
5230	60.29	AV	V	31.81	5.26	0.00	97.36	91.36	N/A	N/A
5350	27.35	PK	H	32.03	5.37	0.00	64.75	58.75	74	15.25
5350	14.77	AV	H	32.03	5.37	0.00	52.17	46.17	54	7.83
10460	34.64	PK	H	37.39	7.83	26.36	53.5	47.5	74	26.5
10460	22.72	AV	H	37.39	7.83	26.36	41.58	35.58	54	18.42
15690	35.87	PK	H	39.44	10.24	25.30	60.25	54.25	74	19.75
15690	25.08	AV	H	39.44	10.24	25.30	49.46	43.46	54	10.54
3356	36.41	PK	H	26.19	3.96	26.54	40.02	34.02	74	39.98
3356	25.52	AV	H	26.19	3.96	26.54	29.13	23.13	54	30.87
6289	35.04	PK	H	33.19	6.06	26.58	47.71	41.71	74	32.29
6289	23.15	AV	H	33.19	6.06	26.58	35.82	29.82	54	24.18
400.54	42.32	QP	H	16.12	1.64	28.23	31.85	31.85	46.00	14.15
500.45	39.58	QP	H	18.10	1.61	28.82	30.47	30.47	46.00	15.53

802.11n ac80 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:5210 MHz										
5210	73.91	PK	H	31.78	5.24	0.00	110.93	104.93	N/A	N/A
5210	61.78	AV	H	31.78	5.24	0.00	98.8	92.8	N/A	N/A
5210	63.06	PK	V	31.78	5.24	0.00	100.08	94.08	N/A	N/A
5210	51.80	AV	V	31.78	5.24	0.00	88.82	82.82	N/A	N/A
5150	34.56	PK	H	31.67	5.18	0.00	71.41	65.41	74	8.59
5150	20.47	AV	H	31.67	5.18	0.00	57.32	51.32	54	2.68
5350	28.17	PK	H	32.03	5.37	0.00	65.57	59.57	74	14.43
5350	15.83	AV	H	32.03	5.37	0.00	53.23	47.23	54	6.77
10420	34.93	PK	H	37.38	7.80	26.36	53.75	47.75	74	26.25
10420	23.58	AV	H	37.38	7.80	26.36	42.4	36.4	54	17.6
15630	36.51	PK	H	39.43	10.23	25.31	60.86	54.86	74	19.14
15630	26.19	AV	H	39.43	10.23	25.31	50.54	44.54	54	9.46
6237	33.60	PK	H	33.14	6.04	26.60	46.18	40.18	74	33.82
6237	22.15	AV	H	33.14	6.04	26.60	34.73	28.73	54	25.27
400.54	42.4	QP	H	16.12	1.64	28.23	31.93	31.93	46.00	14.07
500.45	39.95	QP	H	18.10	1.61	28.82	30.84	30.84	46.00	15.16

2TX(Chain 0+1 was the worst):
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	81.38	PK	H	31.72	5.21	0.00	118.31	112.31	N/A	N/A
5180	70.62	AV	H	31.72	5.21	0.00	107.55	101.55	N/A	N/A
5180	77.39	PK	V	31.72	5.21	0.00	114.32	108.32	N/A	N/A
5180	66.78	AV	V	31.72	5.21	0.00	103.71	97.71	N/A	N/A
5150	31.91	PK	H	31.67	5.18	0.00	68.76	62.76	74	11.24
5150	21.99	AV	H	31.67	5.18	0.00	58.84	52.84	54	1.16
10360	35.54	PK	H	37.37	7.76	26.37	54.3	48.3	74	25.7
10360	24.29	AV	H	37.37	7.76	26.37	43.05	37.05	54	16.95
15540	36.50	PK	H	39.41	10.22	25.32	60.81	54.81	74	19.19
15540	26.89	AV	H	39.41	10.22	25.32	51.2	45.2	54	8.8
4253	35.06	PK	H	29.40	5.10	26.70	42.86	36.86	74	37.14
4253	23.63	AV	H	29.40	5.10	26.70	31.43	25.43	54	28.57
6425	34.73	PK	H	33.33	6.10	26.55	47.61	41.61	74	32.39
6425	23.55	AV	H	33.33	6.10	26.55	36.43	30.43	54	23.57
400.54	42.92	QP	H	16.12	1.64	28.23	32.45	32.45	46.00	13.55
500.45	40.22	QP	H	18.10	1.61	28.82	31.11	31.11	46.00	14.89
Middle Channel:5200 MHz										
5200	83.57	PK	H	31.76	5.23	0.00	120.56	114.56	N/A	N/A
5200	72.36	AV	H	31.76	5.23	0.00	109.35	103.35	N/A	N/A
5200	80.34	PK	V	31.76	5.23	0.00	117.33	111.33	N/A	N/A
5200	69.32	AV	V	31.76	5.23	0.00	106.31	100.31	N/A	N/A
10400	35.24	PK	H	37.38	7.79	26.36	54.05	48.05	74	25.95
10400	24.05	AV	H	37.38	7.79	26.36	42.86	36.86	54	17.14
15600	36.88	PK	H	39.42	10.22	25.31	61.21	55.21	74	18.79
15600	26.45	AV	H	39.42	10.22	25.31	50.78	44.78	54	9.22
4302	34.72	PK	H	29.48	5.13	26.73	42.6	36.6	74	37.4
4302	23.43	AV	H	29.48	5.13	26.73	31.31	25.31	54	28.69
6451	34.14	PK	H	33.35	6.11	26.54	47.06	41.06	74	32.94
6451	23.28	AV	H	33.35	6.11	26.54	36.2	30.2	54	23.8
400.54	42.99	QP	H	16.12	1.64	28.23	32.52	32.52	46.00	13.48
500.45	40.51	QP	H	18.10	1.61	28.82	31.40	31.40	46.00	14.60

High Channel:5240 MHz										
5240	82.77	PK	H	31.83	5.27	0.00	119.87	113.87	N/A	N/A
5240	72.21	AV	H	31.83	5.27	0.00	109.31	103.31	N/A	N/A
5240	79.98	PK	V	31.83	5.27	0.00	117.08	111.08	N/A	N/A
5240	69.49	AV	V	31.83	5.27	0.00	106.59	100.59	N/A	N/A
5350	29.35	PK	H	32.03	5.37	0.00	66.75	60.75	74	13.25
5350	16.28	AV	H	32.03	5.37	0.00	53.68	47.68	54	6.32
10480	35.17	PK	H	37.40	7.84	26.35	54.06	48.06	74	25.94
10480	23.50	AV	H	37.40	7.84	26.35	42.39	36.39	54	17.61
15720	36.37	PK	H	39.44	10.24	25.30	60.75	54.75	74	19.25
15720	25.10	AV	H	39.44	10.24	25.30	49.48	43.48	54	10.52
4326	35.39	PK	H	29.52	5.15	26.75	43.31	37.31	74	36.69
4326	23.25	AV	H	29.52	5.15	26.75	31.17	25.17	54	28.83
6488	34.64	PK	H	33.39	6.13	26.53	47.63	41.63	74	32.37
6488	23.76	AV	H	33.39	6.13	26.53	36.75	30.75	54	23.25
400.54	43.1	QP	H	16.12	1.64	28.23	32.63	32.63	46.00	13.37
500.45	39.56	QP	H	18.10	1.61	28.82	30.45	30.45	46.00	15.55

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	81.18	PK	H	31.72	5.21	0.00	118.11	112.11	N/A	N/A
5180	71.01	AV	H	31.72	5.21	0.00	107.94	101.94	N/A	N/A
5180	77.47	PK	V	31.72	5.21	0.00	114.4	108.4	N/A	N/A
5180	67.25	AV	V	31.72	5.21	0.00	104.18	98.18	N/A	N/A
5150	34.93	PK	H	31.67	5.18	0.00	71.78	65.78	74	8.22
5150	19.31	AV	H	31.67	5.18	0.00	56.16	50.16	54	3.84
10360	35.74	PK	H	37.37	7.76	26.37	54.5	48.5	74	25.5
10360	24.21	AV	H	37.37	7.76	26.37	42.97	36.97	54	17.03
15540	37.42	PK	H	39.41	10.22	25.32	61.73	55.73	74	18.27
15540	26.74	AV	H	39.41	10.22	25.32	51.05	45.05	54	8.95
4252	35.02	PK	H	29.40	5.10	26.70	42.82	36.82	74	37.18
4252	23.27	AV	H	29.40	5.10	26.70	31.07	25.07	54	28.93
6354	34.50	PK	H	33.25	6.08	26.57	47.26	41.26	74	32.74
6354	23.99	AV	H	33.25	6.08	26.57	36.75	30.75	54	23.25
400.54	43.27	QP	H	16.12	1.64	28.23	32.80	32.80	46.00	13.20
500.45	40.27	QP	H	18.10	1.61	28.82	31.16	31.16	46.00	14.84
Middle Channel:5200 MHz										
5200	81.73	PK	H	31.76	5.23	0.00	118.72	112.72	N/A	N/A
5200	71.24	AV	H	31.76	5.23	0.00	108.23	102.23	N/A	N/A
5200	77.05	PK	V	31.76	5.23	0.00	114.04	108.04	N/A	N/A
5200	66.59	AV	V	31.76	5.23	0.00	103.58	97.58	N/A	N/A
10400	35.82	PK	H	37.38	7.79	26.36	54.63	48.63	74	19.37
10400	24.38	AV	H	37.38	7.79	26.36	43.19	37.19	54	10.81
15600	36.67	PK	H	39.42	10.22	25.31	61	55	74	13
15600	26.40	AV	H	39.42	10.22	25.31	50.73	44.73	54	3.27
4269	35.51	PK	H	29.43	5.11	26.71	43.34	37.34	74	30.66
4269	23.57	AV	H	29.43	5.11	26.71	31.4	25.4	54	22.6
6389	34.81	PK	H	33.29	6.09	26.56	47.63	41.63	74	26.37
6389	23.03	AV	H	33.29	6.09	26.56	35.85	29.85	54	18.15
400.54	43.44	QP	H	16.12	1.64	28.23	32.97	32.97	46.00	13.03
500.45	40.1	QP	H	18.10	1.61	28.82	30.99	30.99	46.00	15.01

High Channel:5240 MHz										
5240	80.78	PK	H	31.83	5.27	0.00	117.88	111.88	N/A	N/A
5240	67.52	AV	H	31.83	5.27	0.00	104.62	98.62	N/A	N/A
5240	76.87	PK	V	31.83	5.27	0.00	113.97	107.97	N/A	N/A
5240	66.25	AV	V	31.83	5.27	0.00	103.35	97.35	N/A	N/A
5350	28.70	PK	H	32.03	5.37	0.00	66.1	60.1	74	13.9
5350	16.04	AV	H	32.03	5.37	0.00	53.44	47.44	54	6.56
10480	34.22	PK	H	37.40	7.84	26.35	53.11	47.11	74	26.89
10480	22.95	AV	H	37.40	7.84	26.35	41.84	35.84	54	18.16
15720	35.57	PK	H	39.44	10.24	25.30	59.95	53.95	74	20.05
15720	25.31	AV	H	39.44	10.24	25.30	49.69	43.69	54	10.31
4306	35.34	PK	H	29.49	5.13	26.73	43.23	37.23	74	36.77
4306	24.20	AV	H	29.49	5.13	26.73	32.09	26.09	54	27.91
6413	34.55	PK	H	33.31	6.10	26.55	47.41	41.41	74	32.59
6413	22.99	AV	H	33.31	6.10	26.55	35.85	29.85	54	24.15
400.54	43.52	QP	H	16.12	1.64	28.23	33.05	33.05	46.00	12.95
500.45	40.47	QP	H	18.10	1.61	28.82	31.36	31.36	46.00	14.64

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	79.13	PK	H	31.74	5.22	0.00	116.09	110.09	N/A	N/A
5190	68.22	AV	H	31.74	5.22	0.00	105.18	99.18	N/A	N/A
5190	76.54	PK	V	31.74	5.22	0.00	113.5	107.5	N/A	N/A
5190	65.69	AV	V	31.74	5.22	0.00	102.65	96.65	N/A	N/A
5150	34.27	PK	H	31.67	5.18	0.00	71.12	65.12	74	8.88
5150	21.20	AV	H	31.67	5.18	0.00	58.05	52.05	54	1.95
10380	35.00	PK	H	37.38	7.78	26.37	53.79	47.79	74	26.21
10380	24.36	AV	H	37.38	7.78	26.37	43.15	37.15	54	16.85
15570	36.89	PK	H	39.41	10.22	25.31	61.21	55.21	74	18.79
15570	26.72	AV	H	39.41	10.22	25.31	51.04	45.04	54	8.96
4235	34.84	PK	H	29.38	5.08	26.69	42.61	36.61	74	37.39
4235	24.29	AV	H	29.38	5.08	26.69	32.06	26.06	54	27.94
6451	34.19	PK	H	33.35	6.11	26.54	47.11	41.11	74	32.89
6451	23.24	AV	H	33.35	6.11	26.54	36.16	30.16	54	23.84
400.54	44.04	QP	H	16.12	1.64	28.23	33.57	33.57	46.00	12.43
500.45	40.74	QP	H	18.10	1.61	28.82	31.63	31.63	46.00	14.37
High Channel:5230 MHz										
5230	80.38	PK	H	31.81	5.26	0.00	117.45	111.45	N/A	N/A
5230	69.66	AV	H	31.81	5.26	0.00	106.73	100.73	N/A	N/A
5230	77.07	PK	V	31.81	5.26	0.00	114.14	108.14	N/A	N/A
5230	66.46	AV	V	31.81	5.26	0.00	103.53	97.53	N/A	N/A
5350	28.37	PK	H	32.03	5.37	0.00	65.77	59.77	74	14.23
5350	16.04	AV	H	32.03	5.37	0.00	53.44	47.44	54	6.56
10460	34.36	PK	H	37.39	7.83	26.36	53.22	47.22	74	26.78
10460	23.85	AV	H	37.39	7.83	26.36	42.71	36.71	54	17.29
15690	35.79	PK	H	39.44	10.24	25.30	60.17	54.17	74	19.83
15690	25.24	AV	H	39.44	10.24	25.30	49.62	43.62	54	10.38
4755	34.53	PK	H	30.62	5.15	26.87	43.43	37.43	74	36.57
4755	23.35	AV	H	30.62	5.15	26.87	32.25	26.25	54	27.75
6336	34.53	PK	H	33.24	6.07	26.57	47.27	41.27	74	32.73
6336	23.61	AV	H	33.24	6.07	26.57	36.35	30.35	54	23.65
400.54	44.11	QP	H	16.12	1.64	28.23	33.64	33.64	46.00	12.36
500.45	41.03	QP	H	18.10	1.61	28.82	31.92	31.92	46.00	14.08

802.11n ac80 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:5210 MHz										
5210	73.02	PK	H	31.78	5.24	0.00	110.04	104.04	N/A	N/A
5210	61.99	AV	H	31.78	5.24	0.00	99.01	93.01	N/A	N/A
5210	70.19	PK	V	31.78	5.24	0.00	107.21	101.21	N/A	N/A
5210	59.36	AV	V	31.78	5.24	0.00	96.38	90.38	N/A	N/A
5150	35.48	PK	H	31.67	5.18	0.00	72.33	66.33	74	7.67
5150	22.15	AV	H	31.67	5.18	0.00	59	53	54	1
5350	28.33	PK	H	32.03	5.37	0.00	65.73	59.73	74	14.27
5350	16.47	AV	H	32.03	5.37	0.00	53.87	47.87	54	6.13
10420	34.70	PK	H	37.38	7.80	26.36	53.52	47.52	74	26.48
10420	23.18	AV	H	37.38	7.80	26.36	42	36	54	18
15630	36.32	PK	H	39.43	10.23	25.31	60.67	54.67	74	19.33
15630	26.50	AV	H	39.43	10.23	25.31	50.85	44.85	54	9.15
6552	33.42	PK	H	33.49	6.12	26.50	46.53	40.53	74	33.47
6552	23.04	AV	H	33.49	6.12	26.50	36.15	30.15	54	23.85
400.54	44.22	QP	H	16.12	1.64	28.23	33.75	33.75	46.00	12.25
500.45	40.08	QP	H	18.10	1.61	28.82	30.97	30.97	46.00	15.03

3TX:
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	84.86	PK	H	31.72	5.21	0.00	121.79	115.79	N/A	N/A
5180	74.30	AV	H	31.72	5.21	0.00	111.23	105.23	N/A	N/A
5180	85.56	PK	V	31.72	5.21	0.00	122.49	116.49	N/A	N/A
5180	75.91	AV	V	31.72	5.21	0.00	112.84	106.84	N/A	N/A
5147	41.27	PK	V	31.66	5.17	0.00	78.1	72.1	74	1.9
5147	20.90	AV	V	31.66	5.17	0.00	57.73	51.73	54	2.27
10360	32.91	PK	V	37.37	7.76	26.37	51.67	45.67	74	28.33
10360	23.59	AV	V	37.37	7.76	26.37	42.35	36.35	54	17.65
15540	36.89	PK	V	39.41	10.22	25.32	61.2	55.2	74	18.8
15540	25.82	AV	V	39.41	10.22	25.32	50.13	44.13	54	9.87
1358	35.75	PK	V	23.73	2.47	26.47	35.48	29.48	74	44.52
1358	25.17	AV	V	23.73	2.47	26.47	24.9	18.9	54	35.1
4316	35.03	PK	V	29.51	5.14	26.74	42.94	36.94	74	37.06
4316	23.49	AV	V	29.51	5.14	26.74	31.4	25.4	54	28.6
400.54	42.96	QP	H	16.12	1.64	28.23	32.49	32.49	46.00	13.51
500.45	42.18	QP	H	18.10	1.61	28.82	33.07	33.07	46.00	12.93
Middle Channel:5200 MHz										
5200	84.72	PK	H	31.76	5.23	0.00	121.71	115.71	N/A	N/A
5200	63.89	AV	H	31.76	5.23	0.00	100.88	94.88	N/A	N/A
5200	85.73	PK	V	31.76	5.23	0.00	122.72	116.72	N/A	N/A
5200	75.26	AV	V	31.76	5.23	0.00	112.25	106.25	N/A	N/A
10400	33.85	PK	V	37.38	7.79	26.36	52.66	46.66	74	27.34
10400	23.33	AV	V	37.38	7.79	26.36	42.14	36.14	54	17.86
15600	36.12	PK	V	39.42	10.22	25.31	60.45	54.45	74	19.55
15600	25.54	AV	V	39.42	10.22	25.31	49.87	43.87	54	10.13
1422	36.23	PK	V	23.90	2.56	26.40	36.29	30.29	74	43.71
1422	24.34	AV	V	23.90	2.56	26.40	24.4	18.4	54	35.6
4453	34.15	PK	V	29.72	5.24	26.82	42.29	36.29	74	37.71
4453	23.42	AV	V	29.72	5.24	26.82	31.56	25.56	54	28.44
400.54	43.13	QP	H	16.12	1.64	28.23	32.66	32.66	46.00	13.34
500.45	42.01	QP	H	18.10	1.61	28.82	32.90	32.90	46.00	13.10

High Channel:5240 MHz										
5240	84.73	PK	H	31.83	5.27	0.00	121.83	115.83	N/A	N/A
5240	64.01	AV	H	31.83	5.27	0.00	101.11	95.11	N/A	N/A
5240	85.45	PK	V	31.83	5.27	0.00	122.55	116.55	N/A	N/A
5240	75.56	AV	V	31.83	5.27	0.00	112.66	106.66	N/A	N/A
5350	28.44	PK	V	32.03	5.37	0.00	65.84	59.84	74	14.16
5350	16.58	AV	V	32.03	5.37	0.00	53.98	47.98	54	6.02
10480	32.64	PK	V	37.40	7.84	26.35	51.53	45.53	74	28.47
10480	22.59	AV	V	37.40	7.84	26.35	41.48	35.48	54	18.52
15720	35.55	PK	V	39.44	10.24	25.30	59.93	53.93	74	20.07
15720	24.41	AV	V	39.44	10.24	25.30	48.79	42.79	54	11.21
1658	34.88	PK	V	24.35	2.79	26.48	35.54	29.54	74	44.46
1658	24.22	AV	V	24.35	2.79	26.48	24.88	18.88	54	35.12
4434	34.36	PK	V	29.69	5.22	26.81	42.46	36.46	74	37.54
4434	23.58	AV	V	29.69	5.22	26.81	31.68	25.68	54	28.32
400.54	43.21	QP	H	16.12	1.64	28.23	32.74	32.74	46.00	13.26
500.45	42.38	QP	H	18.10	1.61	28.82	33.27	33.27	46.00	12.73

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	84.65	PK	H	31.72	5.21	0.00	121.58	115.58	N/A	N/A
5180	74.61	AV	H	31.72	5.21	0.00	111.54	105.54	N/A	N/A
5180	85.48	PK	V	31.72	5.21	0.00	122.41	116.41	N/A	N/A
5180	74.90	AV	V	31.72	5.21	0.00	111.83	105.83	N/A	N/A
5150	40.64	PK	V	31.67	5.18	0.00	77.49	71.49	74	2.51
5150	21.23	AV	V	31.67	5.18	0.00	58.08	52.08	54	1.92
10360	34.31	PK	V	37.37	7.76	26.37	53.07	47.07	74	26.93
10360	23.86	AV	V	37.37	7.76	26.37	42.62	36.62	54	17.38
15540	36.30	PK	V	39.41	10.22	25.32	60.61	54.61	74	19.39
15540	25.32	AV	V	39.41	10.22	25.32	49.63	43.63	54	10.37
1552	34.78	PK	V	24.18	2.71	26.38	35.29	29.29	74	44.71
1552	24.67	AV	V	24.18	2.71	26.38	25.18	19.18	54	34.82
4569	34.62	PK	V	30.02	5.24	26.85	43.03	37.03	74	36.97
4569	23.86	AV	V	30.02	5.24	26.85	32.27	26.27	54	27.73
400.54	43.73	QP	H	16.12	1.64	28.23	33.26	33.26	46.00	12.74
500.45	42.65	QP	H	18.10	1.61	28.82	33.54	33.54	46.00	12.46
Middle Channel:5200 MHz										
5200	84.34	PK	H	31.76	5.23	0.00	121.33	115.33	N/A	N/A
5200	74.52	AV	H	31.76	5.23	0.00	111.51	105.51	N/A	N/A
5200	85.26	PK	V	31.76	5.23	0.00	122.25	116.25	N/A	N/A
5200	74.93	AV	V	31.76	5.23	0.00	111.92	105.92	N/A	N/A
10400	33.34	PK	V	37.38	7.79	26.36	52.15	46.15	74	21.85
10400	23.67	AV	V	37.38	7.79	26.36	42.48	36.48	54	11.52
15600	37.13	PK	V	39.42	10.22	25.31	61.46	55.46	74	12.54
15600	25.02	AV	V	39.42	10.22	25.31	49.35	43.35	54	4.65
1622	34.52	PK	V	24.30	2.76	26.45	35.13	29.13	74	38.87
1622	24.06	AV	V	24.30	2.76	26.45	24.67	18.67	54	29.33
4635	33.72	PK	V	30.23	5.21	26.86	42.3	36.3	74	31.7
4635	22.85	AV	V	30.23	5.21	26.86	31.43	25.43	54	22.57
400.54	43.8	QP	H	16.12	1.64	28.23	33.33	33.33	46.00	12.67
500.45	42.94	QP	H	18.10	1.61	28.82	33.83	33.83	46.00	12.17

High Channel:5240 MHz										
5240	83.77	PK	H	31.83	5.27	0.00	120.87	114.87	N/A	N/A
5240	74.51	AV	H	31.83	5.27	0.00	111.61	105.61	N/A	N/A
5240	85.00	PK	V	31.83	5.27	0.00	122.1	116.1	N/A	N/A
5240	75.41	AV	V	31.83	5.27	0.00	112.51	106.51	N/A	N/A
5350	28.18	PK	V	32.03	5.37	0.00	65.58	59.58	74	14.42
5350	16.33	AV	V	32.03	5.37	0.00	53.73	47.73	54	6.27
10480	32.44	PK	V	37.40	7.84	26.35	51.33	45.33	74	28.67
10480	23.17	AV	V	37.40	7.84	26.35	42.06	36.06	54	17.94
15720	35.22	PK	V	39.44	10.24	25.30	59.6	53.6	74	20.4
15720	24.28	AV	V	39.44	10.24	25.30	48.66	42.66	54	11.34
1684	35.20	PK	V	24.39	2.81	26.51	35.89	29.89	74	44.11
1684	24.04	AV	V	24.39	2.81	26.51	24.73	18.73	54	35.27
4683	32.97	PK	V	30.39	5.18	26.86	41.68	35.68	74	38.32
4683	22.46	AV	V	30.39	5.18	26.86	31.17	25.17	54	28.83
400.54	43.91	QP	H	16.12	1.64	28.23	33.44	33.44	46.00	12.56
500.45	41.99	QP	H	18.10	1.61	28.82	32.88	32.88	46.00	13.12

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	84.27	PK	H	31.74	5.22	0.00	121.23	115.23	N/A	N/A
5190	74.23	AV	H	31.74	5.22	0.00	111.19	105.19	N/A	N/A
5190	86.58	PK	V	31.74	5.22	0.00	123.54	117.54	N/A	N/A
5190	75.99	AV	V	31.74	5.22	0.00	112.95	106.95	N/A	N/A
5150	42.15	PK	V	31.67	5.18	0.00	79	73	74	1
5150	19.02	AV	V	31.67	5.18	0.00	55.87	49.87	54	4.13
10380	33.23	PK	V	37.38	7.78	26.37	52.02	46.02	74	27.98
10380	23.45	AV	V	37.38	7.78	26.37	42.24	36.24	54	17.76
15570	36.65	PK	V	39.41	10.22	25.31	60.97	54.97	74	19.03
15570	25.41	AV	V	39.41	10.22	25.31	49.73	43.73	54	10.27
2013	35.82	PK	V	24.86	3.05	26.82	36.91	30.91	74	43.09
2013	25.09	AV	V	24.86	3.05	26.82	26.18	20.18	54	33.82
4255	34.29	PK	V	29.41	5.10	26.70	42.1	36.1	74	37.9
4255	23.64	AV	V	29.41	5.10	26.70	31.45	25.45	54	28.55
400.54	43.57	QP	H	16.12	1.64	28.23	33.10	33.10	46.00	12.90
500.45	43.39	QP	H	18.10	1.61	28.82	34.28	34.28	46.00	11.72
High Channel:5230 MHz										
5230	85.23	PK	H	31.81	5.26	0.00	122.3	116.3	N/A	N/A
5230	74.88	AV	H	31.81	5.26	0.00	111.95	105.95	N/A	N/A
5230	86.34	PK	V	31.81	5.26	0.00	123.41	117.41	N/A	N/A
5230	76.24	AV	V	31.81	5.26	0.00	113.31	107.31	N/A	N/A
5350	28.34	PK	V	32.03	5.37	0.00	65.74	59.74	74	14.26
5350	15.97	AV	V	32.03	5.37	0.00	53.37	47.37	54	6.63
10460	32.70	PK	V	37.39	7.83	26.36	51.56	45.56	74	28.44
10460	22.28	AV	V	37.39	7.83	26.36	41.14	35.14	54	18.86
15690	36.29	PK	V	39.44	10.24	25.30	60.67	54.67	74	19.33
15690	25.08	AV	V	39.44	10.24	25.30	49.46	43.46	54	10.54
1852	35.50	PK	V	24.66	2.94	26.67	36.43	30.43	74	43.57
1852	24.85	AV	V	24.66	2.94	26.67	25.78	19.78	54	34.22
4627	34.06	PK	V	30.21	5.21	26.86	42.62	36.62	74	37.38
4627	23.58	AV	V	30.21	5.21	26.86	32.14	26.14	54	27.86
400.54	43.74	QP	H	16.12	1.64	28.23	33.27	33.27	46.00	12.73
500.45	43.22	QP	H	18.10	1.61	28.82	34.11	34.11	46.00	11.89

802.11n ac80 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:5210 MHz										
5210	74.58	PK	H	31.78	5.24	0.00	111.6	105.6	N/A	N/A
5210	62.25	AV	H	31.78	5.24	0.00	99.27	93.27	N/A	N/A
5210	75.83	PK	V	31.78	5.24	0.00	112.85	106.85	N/A	N/A
5210	63.23	AV	V	31.78	5.24	0.00	100.25	94.25	N/A	N/A
5150	34.69	PK	V	31.67	5.18	0.00	71.54	65.54	74	8.46
5150	21.97	AV	V	31.67	5.18	0.00	58.82	52.82	54	1.18
5350	27.80	PK	V	32.03	5.37	0.00	65.2	59.2	74	14.8
5350	16.12	AV	V	32.03	5.37	0.00	53.52	47.52	54	6.48
10420	33.80	PK	V	37.38	7.80	26.36	52.62	46.62	74	27.38
10420	22.13	AV	V	37.38	7.80	26.36	40.95	34.95	54	19.05
15630	36.49	PK	V	39.43	10.23	25.31	60.84	54.84	74	19.16
15630	25.31	AV	V	39.43	10.23	25.31	49.66	43.66	54	10.34
4736	35.99	PK	V	30.56	5.16	26.86	44.85	38.85	74	35.15
4736	24.80	AV	V	30.56	5.16	26.86	33.66	27.66	54	26.34
400.54	43.82	QP	H	16.12	1.64	28.23	33.35	33.35	46.00	12.65
500.45	43.59	QP	H	18.10	1.61	28.82	34.48	34.48	46.00	11.52

5250MHz - 5350MHz

1TX:
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	80.77	PK	H	31.87	5.28	0.00	117.92	111.92	N/A	N/A
5260	70.53	AV	H	31.87	5.28	0.00	107.68	101.68	N/A	N/A
5260	69.83	PK	V	31.87	5.28	0.00	106.98	100.98	N/A	N/A
5260	60.08	AV	V	31.87	5.28	0.00	97.23	91.23	N/A	N/A
5150	26.76	PK	V	31.67	5.18	0.00	63.61	57.61	74	16.39
5150	15.25	AV	V	31.67	5.18	0.00	52.1	46.1	54	7.9
10520	33.32	PK	V	37.41	7.86	26.34	52.25	46.25	74	27.75
10520	22.22	AV	V	37.41	7.86	26.34	41.15	35.15	54	18.85
15780	35.47	PK	V	39.46	10.25	25.30	59.88	53.88	74	20.12
15780	24.39	AV	V	39.46	10.25	25.30	48.8	42.8	54	11.2
2305	35.56	PK	V	23.86	3.01	26.86	35.57	29.57	74	44.43
2305	24.82	AV	V	23.86	3.01	26.86	24.83	18.83	54	35.17
6328	34.79	PK	V	33.23	6.07	26.57	47.52	41.52	74	32.48
6328	23.15	AV	V	33.23	6.07	26.57	35.88	29.88	54	24.12
400.54	44.34	QP	H	16.12	1.64	28.23	33.87	33.87	46.00	12.13
500.45	43.86	QP	H	18.10	1.61	28.82	34.75	34.75	46.00	11.25
Middle Channel:5280 MHz										
5280	80.82	PK	H	31.90	5.30	0.00	118.02	112.02	N/A	N/A
5280	71.06	AV	H	31.90	5.30	0.00	108.26	102.26	N/A	N/A
5280	70.33	PK	V	31.90	5.30	0.00	107.53	101.53	N/A	N/A
5280	60.18	AV	V	31.90	5.30	0.00	97.38	91.38	N/A	N/A
10560	33.26	PK	V	37.42	7.89	26.32	52.25	46.25	74	27.75
10560	22.47	AV	V	37.42	7.89	26.32	41.46	35.46	54	18.54
15840	34.89	PK	V	39.47	10.26	25.29	59.33	53.33	74	20.67
15840	23.67	AV	V	39.47	10.26	25.29	48.11	42.11	54	11.89
2248	35.43	PK	V	24.06	3.02	26.85	35.66	29.66	74	44.34
2248	24.60	AV	V	24.06	3.02	26.85	24.83	18.83	54	35.17
6203	34.31	PK	V	33.10	6.03	26.61	46.83	40.83	74	33.17
6203	22.72	AV	V	33.10	6.03	26.61	35.24	29.24	54	24.76
400.54	44.41	QP	H	16.12	1.64	28.23	33.94	33.94	46.00	12.06
500.45	44.15	QP	H	18.10	1.61	28.82	35.04	35.04	46.00	10.96

High Channel:5320 MHz										
5320	80.98	PK	H	31.98	5.34	0.00	118.3	112.3	N/A	N/A
5320	70.84	AV	H	31.98	5.34	0.00	108.16	102.16	N/A	N/A
5320	70.95	PK	V	31.98	5.34	0.00	108.27	102.27	N/A	N/A
5320	60.87	AV	V	31.98	5.34	0.00	98.19	92.19	N/A	N/A
5350	37.77	PK	H	32.03	5.37	0.00	75.17	69.17	74	4.83
5350	20.64	AV	H	32.03	5.37	0.00	58.04	52.04	54	1.96
10640	33.02	PK	H	37.46	7.95	26.27	52.16	46.16	74	27.84
10640	21.78	AV	H	37.46	7.95	26.27	40.92	34.92	54	19.08
15960	35.20	PK	H	39.49	10.27	25.28	59.68	53.68	74	20.32
15960	23.92	AV	H	39.49	10.27	25.28	48.4	42.4	54	11.6
2231	34.76	PK	H	24.11	3.02	26.85	35.04	29.04	74	44.96
2231	24.93	AV	H	24.11	3.02	26.85	25.21	19.21	54	34.79
6235	34.23	PK	H	33.14	6.04	26.60	46.81	40.81	74	33.19
6235	23.46	AV	H	33.14	6.04	26.60	36.04	30.04	54	23.96
400.54	44.52	QP	H	16.12	1.64	28.23	34.05	34.05	46.00	11.95
500.45	43.2	QP	H	18.10	1.61	28.82	34.09	34.09	46.00	11.91

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	80.46	PK	H	31.87	5.28	0.00	117.61	111.61	N/A	N/A
5260	70.23	AV	H	31.87	5.28	0.00	107.38	101.38	N/A	N/A
5260	69.75	PK	V	31.87	5.28	0.00	106.9	100.9	N/A	N/A
5260	59.89	AV	V	31.87	5.28	0.00	97.04	91.04	N/A	N/A
5150	27.13	PK	H	31.67	5.18	0.00	63.98	57.98	74	16.02
5150	15.24	AV	H	31.67	5.18	0.00	52.09	46.09	54	7.91
10520	33.97	PK	H	37.41	7.86	26.34	52.9	46.9	74	27.1
10520	22.16	AV	H	37.41	7.86	26.34	41.09	35.09	54	18.91
15780	35.08	PK	H	39.46	10.25	25.30	59.49	53.49	74	20.51
15780	24.55	AV	H	39.46	10.25	25.30	48.96	42.96	54	11.04
3023	39.80	PK	H	24.33	3.46	26.42	41.17	35.17	74	38.83
3023	27.97	AV	H	24.33	3.46	26.42	29.34	23.34	54	30.66
6244	34.79	PK	H	33.14	6.04	26.60	47.37	41.37	74	32.63
6244	23.19	AV	H	33.14	6.04	26.60	35.77	29.77	54	24.23
400.54	42.69	QP	H	16.12	1.64	28.23	32.22	32.22	46.00	13.78
500.45	41.64	QP	H	18.10	1.61	28.82	32.53	32.53	46.00	13.47
Middle Channel:5280 MHz										
5280	79.98	PK	H	31.90	5.30	0.00	117.18	111.18	N/A	N/A
5280	70.39	AV	H	31.90	5.30	0.00	107.59	101.59	N/A	N/A
5280	70.05	PK	V	31.90	5.30	0.00	107.25	101.25	N/A	N/A
5280	60.13	AV	V	31.90	5.30	0.00	97.33	91.33	N/A	N/A
10560	33.25	PK	H	37.42	7.89	26.32	52.24	46.24	74	27.76
10560	22.15	AV	H	37.42	7.89	26.32	41.14	35.14	54	18.86
15840	34.71	PK	H	39.47	10.26	25.29	59.15	53.15	74	20.85
15840	24.95	AV	H	39.47	10.26	25.29	49.39	43.39	54	10.61
3546	35.84	PK	H	27.18	4.25	26.59	40.68	34.68	74	39.32
3546	24.52	AV	H	27.18	4.25	26.59	29.36	23.36	54	30.64
6395	34.46	PK	H	33.30	6.09	26.56	47.29	41.29	74	32.71
6395	23.34	AV	H	33.30	6.09	26.56	36.17	30.17	54	23.83
400.54	42.86	QP	H	16.12	1.64	28.23	32.39	32.39	46.00	13.61
500.45	41.47	QP	H	18.10	1.61	28.82	32.36	32.36	46.00	13.64

High Channel:5320 MHz										
5320	80.40	PK	H	31.98	5.34	0.00	117.72	111.72	N/A	N/A
5320	70.51	AV	H	31.98	5.34	0.00	107.83	101.83	N/A	N/A
5320	70.40	PK	V	31.98	5.34	0.00	107.72	101.72	N/A	N/A
5320	60.23	AV	V	31.98	5.34	0.00	97.55	91.55	N/A	N/A
5350	35.93	PK	H	32.03	5.37	0.00	73.33	67.33	74	6.67
5350	21.43	AV	H	32.03	5.37	0.00	58.83	52.83	54	1.17
10640	33.11	PK	H	37.46	7.95	26.27	52.25	46.25	74	27.75
10640	21.38	AV	H	37.46	7.95	26.27	40.52	34.52	54	19.48
15960	35.27	PK	H	39.49	10.27	25.28	59.75	53.75	74	20.25
15960	24.49	AV	H	39.49	10.27	25.28	48.97	42.97	54	11.03
3633	35.35	PK	H	27.53	4.38	26.58	40.68	34.68	74	39.32
3633	24.48	AV	H	27.53	4.38	26.58	29.81	23.81	54	30.19
6358	34.75	PK	H	33.26	6.08	26.57	47.52	41.52	74	32.48
6358	22.79	AV	H	33.26	6.08	26.57	35.56	29.56	54	24.44
400.54	42.94	QP	H	16.12	1.64	28.23	32.47	32.47	46.00	13.53
500.45	41.84	QP	H	18.10	1.61	28.82	32.73	32.73	46.00	13.27

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	80.45	PK	H	31.89	5.29	0.00	117.63	111.63	N/A	N/A
5270	70.85	AV	H	31.89	5.29	0.00	108.03	102.03	N/A	N/A
5270	70.46	PK	V	31.89	5.29	0.00	107.64	101.64	N/A	N/A
5270	60.51	AV	V	31.89	5.29	0.00	97.69	91.69	N/A	N/A
5150	26.86	PK	V	31.67	5.18	0.00	63.71	57.71	74	16.29
5150	15.21	AV	V	31.67	5.18	0.00	52.06	46.06	54	7.94
10540	33.01	PK	V	37.42	7.88	26.33	51.98	45.98	74	28.02
10540	22.69	AV	V	37.42	7.88	26.33	41.66	35.66	54	18.34
15810	35.91	PK	V	39.46	10.25	25.30	60.32	54.32	74	19.68
15810	24.52	AV	V	39.46	10.25	25.30	48.93	42.93	54	11.07
3325	36.68	PK	V	26.02	3.92	26.53	40.09	34.09	74	39.91
3325	25.43	AV	V	26.02	3.92	26.53	28.84	22.84	54	31.16
6048	34.93	PK	V	32.95	5.98	26.65	47.21	41.21	74	32.79
6048	23.02	AV	V	32.95	5.98	26.65	35.3	29.3	54	24.7
400.54	43.46	QP	H	16.12	1.64	28.23	32.99	32.99	46.00	13.01
500.45	42.11	QP	H	18.10	1.61	28.82	33.00	33.00	46.00	13.00
High Channel:5310 MHz										
5310	80.80	PK	H	31.96	5.33	0.00	118.09	112.09	N/A	N/A
5310	70.68	AV	H	31.96	5.33	0.00	107.97	101.97	N/A	N/A
5310	69.90	PK	V	31.96	5.33	0.00	107.19	101.19	N/A	N/A
5310	60.49	AV	V	31.96	5.33	0.00	97.78	91.78	N/A	N/A
5350	34.58	PK	H	32.03	5.37	0.00	71.98	65.98	74	8.02
5350	17.46	AV	H	32.03	5.37	0.00	54.86	48.86	54	5.14
10620	32.71	PK	H	37.45	7.93	26.28	51.81	45.81	74	28.19
10620	21.18	AV	H	37.45	7.93	26.28	40.28	34.28	54	19.72
15930	34.44	PK	H	39.49	10.27	25.29	58.91	52.91	74	21.09
15930	23.36	AV	H	39.49	10.27	25.29	47.83	41.83	54	12.17
3254	38.53	PK	H	25.62	3.81	26.50	41.46	35.46	74	38.54
3254	27.14	AV	H	25.62	3.81	26.50	30.07	24.07	54	29.93
6085	34.94	PK	H	32.99	5.99	26.64	47.28	41.28	74	32.72
6085	23.35	AV	H	32.99	5.99	26.64	35.69	29.69	54	24.31
400.54	43.53	QP	H	16.12	1.64	28.23	33.06	33.06	46.00	12.94
500.45	42.4	QP	H	18.10	1.61	28.82	33.29	33.29	46.00	12.71

802.11n ac80 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:5290 MHz										
5290	73.19	PK	H	31.92	5.31	0.00	110.42	104.42	N/A	N/A
5290	60.91	AV	H	31.92	5.31	0.00	98.14	92.14	N/A	N/A
5290	63.27	PK	V	31.92	5.31	0.00	100.5	94.5	N/A	N/A
5290	51.61	AV	V	31.92	5.31	0.00	88.84	82.84	N/A	N/A
5150	27.84	PK	H	31.67	5.18	0.00	64.69	58.69	74	15.31
5150	15.28	AV	H	31.67	5.18	0.00	52.13	46.13	54	7.87
5350	36.13	PK	H	32.03	5.37	0.00	73.53	67.53	74	6.47
5350	21.17	AV	H	32.03	5.37	0.00	58.57	52.57	54	1.43
10580	32.73	PK	H	37.43	7.91	26.30	51.77	45.77	74	28.23
10580	21.51	AV	H	37.43	7.91	26.30	40.55	34.55	54	19.45
15870	35.18	PK	H	39.47	10.26	25.29	59.62	53.62	74	20.38
15870	24.57	AV	H	39.47	10.26	25.29	49.01	43.01	54	10.99
4425	34.17	PK	H	29.68	5.22	26.81	42.26	36.26	74	37.74
4425	23.15	AV	H	29.68	5.22	26.81	31.24	25.24	54	28.76
400.54	43.64	QP	H	16.12	1.64	28.23	33.17	33.17	46.00	12.83
500.45	41.45	QP	H	18.10	1.61	28.82	32.34	32.34	46.00	13.66

2TX(Chain 0+1 was the worst):
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	80.05	PK	H	31.87	5.28	0.00	117.2	111.2	N/A	N/A
5260	69.57	AV	H	31.87	5.28	0.00	106.72	100.72	N/A	N/A
5260	76.94	PK	V	31.87	5.28	0.00	114.09	108.09	N/A	N/A
5260	66.29	AV	V	31.87	5.28	0.00	103.44	97.44	N/A	N/A
5150	27.05	PK	H	31.67	5.18	0.00	63.9	57.9	74	16.1
5150	15.07	AV	H	31.67	5.18	0.00	51.92	45.92	54	8.08
10520	34.18	PK	H	37.41	7.86	26.34	53.11	47.11	74	26.89
10520	23.40	AV	H	37.41	7.86	26.34	42.33	36.33	54	17.67
15780	35.44	PK	H	39.46	10.25	25.30	59.85	53.85	74	20.15
15780	25.27	AV	H	39.46	10.25	25.30	49.68	43.68	54	10.32
3265	38.38	PK	H	25.68	3.83	26.51	41.38	35.38	74	38.62
3265	27.16	AV	H	25.68	3.83	26.51	30.16	24.16	54	29.84
6379	34.56	PK	H	33.28	6.09	26.56	47.37	41.37	74	32.63
6379	23.98	AV	H	33.28	6.09	26.56	36.79	30.79	54	23.21
400.54	43.05	QP	H	16.12	1.64	28.23	32.58	32.58	46.00	13.42
500.45	42.51	QP	H	18.10	1.61	28.82	33.40	33.40	46.00	12.60
Middle Channel:5280 MHz										
5280	80.40	PK	H	31.90	5.30	0.00	117.6	111.6	N/A	N/A
5280	70.23	AV	H	31.90	5.30	0.00	107.43	101.43	N/A	N/A
5280	77.19	PK	V	31.90	5.30	0.00	114.39	108.39	N/A	N/A
5280	66.44	AV	V	31.90	5.30	0.00	103.64	97.64	N/A	N/A
10560	33.59	PK	V	37.42	7.89	26.32	52.58	46.58	74	27.42
10560	23.40	AV	V	37.42	7.89	26.32	42.39	36.39	54	17.61
15840	34.59	PK	V	39.47	10.26	25.29	59.03	53.03	74	20.97
15840	24.32	AV	V	39.47	10.26	25.29	48.76	42.76	54	11.24
3522	36.62	PK	V	27.09	4.21	26.59	41.33	35.33	74	38.67
3522	25.22	AV	V	27.09	4.21	26.59	29.93	23.93	54	30.07
6185	34.51	PK	V	33.09	6.02	26.61	47.01	41.01	74	32.99
6185	23.30	AV	V	33.09	6.02	26.61	35.8	29.8	54	24.2
400.54	43.22	QP	H	16.12	1.64	28.23	32.75	32.75	46.00	13.25
500.45	42.34	QP	H	18.10	1.61	28.82	33.23	33.23	46.00	12.77

High Channel:5320 MHz										
5320	79.25	PK	H	31.98	5.34	0.00	116.57	110.57	N/A	N/A
5320	68.09	AV	H	31.98	5.34	0.00	105.41	99.41	N/A	N/A
5320	76.67	PK	V	31.98	5.34	0.00	113.99	107.99	N/A	N/A
5320	66.24	AV	V	31.98	5.34	0.00	103.56	97.56	N/A	N/A
5350	27.64	PK	H	32.03	5.37	0.00	65.04	59.04	74	14.96
5350	16.95	AV	H	32.03	5.37	0.00	54.35	48.35	54	5.65
10640	33.53	PK	H	37.46	7.95	26.27	52.67	46.67	74	27.33
10640	23.17	AV	H	37.46	7.95	26.27	42.31	36.31	54	17.69
15960	34.22	PK	H	39.49	10.27	25.28	58.7	52.7	74	21.3
15960	24.63	AV	H	39.49	10.27	25.28	49.11	43.11	54	10.89
3654	36.30	PK	H	27.62	4.41	26.58	41.75	35.75	74	38.25
3654	24.84	AV	H	27.62	4.41	26.58	30.29	24.29	54	29.71
6324	33.83	PK	H	33.22	6.07	26.58	46.54	40.54	74	33.46
6324	23.80	AV	H	33.22	6.07	26.58	36.51	30.51	54	23.49
400.54	43.3	QP	H	16.12	1.64	28.23	32.83	32.83	46.00	13.17
500.45	42.71	QP	H	18.10	1.61	28.82	33.60	33.60	46.00	12.40

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	79.88	PK	H	31.87	5.28	0.00	117.03	111.03	N/A	N/A
5260	69.43	AV	H	31.87	5.28	0.00	106.58	100.58	N/A	N/A
5260	77.23	PK	V	31.87	5.28	0.00	114.38	108.38	N/A	N/A
5260	66.12	AV	V	31.87	5.28	0.00	103.27	97.27	N/A	N/A
5150	27.07	PK	H	31.67	5.18	0.00	63.92	57.92	74	16.08
5150	15.65	AV	H	31.67	5.18	0.00	52.5	46.5	54	7.5
10520	34.52	PK	H	37.41	7.86	26.34	53.45	47.45	74	26.55
10520	23.34	AV	H	37.41	7.86	26.34	42.27	36.27	54	17.73
15780	35.89	PK	H	39.46	10.25	25.30	60.3	54.3	74	19.7
15780	25.31	AV	H	39.46	10.25	25.30	49.72	43.72	54	10.28
3522	36.56	PK	H	27.09	4.21	26.59	41.27	35.27	74	38.73
3522	24.83	AV	H	27.09	4.21	26.59	29.54	23.54	54	30.46
6523	34.14	PK	H	33.44	6.13	26.52	47.19	41.19	74	32.81
6523	23.81	AV	H	33.44	6.13	26.52	36.86	30.86	54	23.14
400.54	43.82	QP	H	16.12	1.64	28.23	33.35	33.35	46.00	12.65
500.45	42.98	QP	H	18.10	1.61	28.82	33.87	33.87	46.00	12.13
Middle Channel:5280 MHz										
5280	80.27	PK	H	31.90	5.30	0.00	117.47	111.47	N/A	N/A
5280	69.99	AV	H	31.90	5.30	0.00	107.19	101.19	N/A	N/A
5280	77.63	PK	V	31.90	5.30	0.00	114.83	108.83	N/A	N/A
5280	67.25	AV	V	31.90	5.30	0.00	104.45	98.45	N/A	N/A
10560	34.17	PK	H	37.42	7.89	26.32	53.16	47.16	74	26.84
10560	23.04	AV	H	37.42	7.89	26.32	42.03	36.03	54	17.97
15840	35.25	PK	H	39.47	10.26	25.29	59.69	53.69	74	20.31
15840	25.29	AV	H	39.47	10.26	25.29	49.73	43.73	54	10.27
3584	36.56	PK	H	27.34	4.30	26.58	41.62	35.62	74	38.38
3584	25.27	AV	H	27.34	4.30	26.58	30.33	24.33	54	29.67
6578	33.93	PK	H	33.54	6.12	26.49	47.1	41.1	74	32.9
6578	22.99	AV	H	33.54	6.12	26.49	36.16	30.16	54	23.84
400.54	43.89	QP	H	16.12	1.64	28.23	33.42	33.42	46.00	12.58
500.45	43.27	QP	H	18.10	1.61	28.82	34.16	34.16	46.00	11.84

High Channel:5320 MHz										
5320	79.34	PK	H	31.98	5.34	0.00	116.66	110.66	N/A	N/A
5320	68.60	AV	H	31.98	5.34	0.00	105.92	99.92	N/A	N/A
5320	76.16	PK	V	31.98	5.34	0.00	113.48	107.48	N/A	N/A
5320	65.08	AV	V	31.98	5.34	0.00	102.4	96.4	N/A	N/A
5350	28.55	PK	H	32.03	5.37	0.00	65.95	59.95	74	14.05
5350	16.38	AV	H	32.03	5.37	0.00	53.78	47.78	54	6.22
10640	33.75	PK	H	37.46	7.95	26.27	52.89	46.89	74	27.11
10640	22.44	AV	H	37.46	7.95	26.27	41.58	35.58	54	18.42
15960	34.90	PK	H	39.49	10.27	25.28	59.38	53.38	74	20.62
15960	24.65	AV	H	39.49	10.27	25.28	49.13	43.13	54	10.87
3602	36.30	PK	H	27.41	4.33	26.58	41.46	35.46	74	38.54
3602	24.61	AV	H	27.41	4.33	26.58	29.77	23.77	54	30.23
6603	34.59	PK	H	33.59	6.12	26.47	47.83	41.83	74	32.17
6603	23.81	AV	H	33.59	6.12	26.47	37.05	31.05	54	22.95
400.54	44	QP	H	16.12	1.64	28.23	33.53	33.53	46.00	12.47
500.45	42.32	QP	H	18.10	1.61	28.82	33.21	33.21	46.00	12.79

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	79.54	PK	H	31.89	5.29	0.00	116.72	110.72	N/A	N/A
5270	68.28	AV	H	31.89	5.29	0.00	105.46	99.46	N/A	N/A
5270	74.93	PK	V	31.89	5.29	0.00	112.11	106.11	N/A	N/A
5270	64.64	AV	V	31.89	5.29	0.00	101.82	95.82	N/A	N/A
5150	27.15	PK	H	31.67	5.18	0.00	64	58	74	16
5150	15.59	AV	H	31.67	5.18	0.00	52.44	46.44	54	7.56
10540	33.98	PK	H	37.42	7.88	26.33	52.95	46.95	74	27.05
10540	22.72	AV	H	37.42	7.88	26.33	41.69	35.69	54	18.31
15810	35.08	PK	H	39.46	10.25	25.30	59.49	53.49	74	20.51
15810	24.34	AV	H	39.46	10.25	25.30	48.75	42.75	54	11.25
3425	36.78	PK	H	26.58	4.07	26.56	40.87	34.87	74	39.13
3425	26.49	AV	H	26.58	4.07	26.56	30.58	24.58	54	29.42
6652	34.36	PK	H	33.67	6.11	26.45	47.69	41.69	74	32.31
6652	23.61	AV	H	33.67	6.11	26.45	36.94	30.94	54	23.06
400.54	43.17	QP	H	16.12	1.64	28.23	32.70	32.70	46.00	13.30
500.45	43.22	QP	H	18.10	1.61	28.82	34.11	34.11	46.00	11.89
High Channel:5310 MHz										
5310	76.12	PK	H	31.96	5.33	0.00	113.41	107.41	N/A	N/A
5310	65.77	AV	H	31.96	5.33	0.00	103.06	97.06	N/A	N/A
5310	74.01	PK	V	31.96	5.33	0.00	111.3	105.3	N/A	N/A
5310	66.25	AV	V	31.96	5.33	0.00	103.54	97.54	N/A	N/A
5350	32.62	PK	H	32.03	5.37	0.00	70.02	64.02	74	9.98
5350	19.61	AV	H	32.03	5.37	0.00	57.01	51.01	54	2.99
10620	33.89	PK	H	37.45	7.93	26.28	52.99	46.99	74	27.01
10620	22.84	AV	H	37.45	7.93	26.28	41.94	35.94	54	18.06
15930	34.71	PK	H	39.49	10.27	25.29	59.18	53.18	74	20.82
15930	24.08	AV	H	39.49	10.27	25.29	48.55	42.55	54	11.45
3225	39.46	PK	H	25.46	3.77	26.49	42.2	36.2	74	37.8
3225	27.94	AV	H	25.46	3.77	26.49	30.68	24.68	54	29.32
6332	34.58	PK	H	33.23	6.07	26.57	47.31	41.31	74	32.69
6332	23.44	AV	H	33.23	6.07	26.57	36.17	30.17	54	23.83
400.54	43.34	QP	H	16.12	1.64	28.23	32.87	32.87	46.00	13.13
500.45	43.05	QP	H	18.10	1.61	28.82	33.94	33.94	46.00	12.06

802.11n ac80 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:5290 MHz										
5290	71.81	PK	H	31.92	5.31	0.00	109.04	103.04	N/A	N/A
5290	60.04	AV	H	31.92	5.31	0.00	97.27	91.27	N/A	N/A
5290	68.28	PK	V	31.92	5.31	0.00	105.51	99.51	N/A	N/A
5290	56.43	AV	V	31.92	5.31	0.00	93.66	87.66	N/A	N/A
5150	31.31	PK	H	31.67	5.18	0.00	68.16	62.16	74	11.84
5150	16.15	AV	H	31.67	5.18	0.00	53	47	54	7
5350	32.23	PK	H	32.03	5.37	0.00	69.63	63.63	74	10.37
5350	19.36	AV	H	32.03	5.37	0.00	56.76	50.76	54	3.24
10580	33.74	PK	H	37.43	7.91	26.30	52.78	46.78	74	27.22
10580	23.18	AV	H	37.43	7.91	26.30	42.22	36.22	54	17.78
15870	35.40	PK	H	39.47	10.26	25.29	59.84	53.84	74	20.16
15870	24.96	AV	H	39.47	10.26	25.29	49.4	43.4	54	10.6
6723	34.12	PK	H	33.80	6.10	26.41	47.61	41.61	74	32.39
6723	22.81	AV	H	33.80	6.10	26.41	36.3	30.3	54	23.7
400.54	43.42	QP	H	16.12	1.64	28.23	32.95	32.95	46.00	13.05
500.45	43.42	QP	H	18.10	1.61	28.82	34.31	34.31	46.00	11.69

3TX:
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	79.22	PK	H	31.87	5.28	0.00	116.37	110.37	N/A	N/A
5260	69.13	AV	H	31.87	5.28	0.00	106.28	100.28	N/A	N/A
5260	79.78	PK	V	31.87	5.28	0.00	116.93	110.93	N/A	N/A
5260	69.74	AV	V	31.87	5.28	0.00	106.89	100.89	N/A	N/A
5150	26.15	PK	V	31.67	5.18	0.00	63	57	74	17
5150	14.66	AV	V	31.67	5.18	0.00	51.51	45.51	54	8.49
10520	32.64	PK	V	37.41	7.86	26.34	51.57	45.57	74	28.43
10520	21.81	AV	V	37.41	7.86	26.34	40.74	34.74	54	19.26
15780	34.63	PK	V	39.46	10.25	25.30	59.04	53.04	74	20.96
15780	24.07	AV	V	39.46	10.25	25.30	48.48	42.48	54	11.52
1469	35.04	PK	V	24.02	2.63	26.36	35.33	29.33	74	44.67
1469	24.19	AV	V	24.02	2.63	26.36	24.48	18.48	54	35.52
4126	34.21	PK	V	29.20	5.01	26.63	41.79	35.79	74	38.21
4126	23.30	AV	V	29.20	5.01	26.63	30.88	24.88	54	29.12
400.54	43.94	QP	H	16.12	1.64	28.23	33.47	33.47	46.00	12.53
500.45	43.69	QP	H	18.10	1.61	28.82	34.58	34.58	46.00	11.42
Middle Channel:5280 MHz										
5280	78.85	PK	H	31.90	5.30	0.00	116.05	110.05	N/A	N/A
5280	68.88	AV	H	31.90	5.30	0.00	106.08	100.08	N/A	N/A
5280	79.67	PK	V	31.90	5.30	0.00	116.87	110.87	N/A	N/A
5280	69.49	AV	V	31.90	5.30	0.00	106.69	100.69	N/A	N/A
10560	32.86	PK	V	37.42	7.89	26.32	51.85	45.85	74	28.15
10560	21.81	AV	V	37.42	7.89	26.32	40.8	34.8	54	19.2
15840	33.91	PK	V	39.47	10.26	25.29	58.35	52.35	74	21.65
15840	23.75	AV	V	39.47	10.26	25.29	48.19	42.19	54	11.81
1697	34.48	PK	V	24.42	2.82	26.52	35.2	29.2	74	44.8
1697	22.96	AV	V	24.42	2.82	26.52	23.68	17.68	54	36.32
4425	34.40	PK	V	29.68	5.22	26.81	42.49	36.49	74	37.51
4425	23.09	AV	V	29.68	5.22	26.81	31.18	25.18	54	28.82
400.54	44.01	QP	H	16.12	1.64	28.23	33.54	33.54	46.00	12.46
500.45	43.98	QP	H	18.10	1.61	28.82	34.87	34.87	46.00	11.13

High Channel:5320 MHz										
5320	78.51	PK	H	31.98	5.34	0.00	115.83	109.83	N/A	N/A
5320	68.29	AV	H	31.98	5.34	0.00	105.61	99.61	N/A	N/A
5320	79.14	PK	V	31.98	5.34	0.00	116.46	110.46	N/A	N/A
5320	69.19	AV	V	31.98	5.34	0.00	106.51	100.51	N/A	N/A
5350	27.12	PK	V	32.03	5.37	0.00	64.52	58.52	74	15.48
5350	14.93	AV	V	32.03	5.37	0.00	52.33	46.33	54	7.67
10640	31.93	PK	V	37.46	7.95	26.27	51.07	45.07	74	28.93
10640	21.84	AV	V	37.46	7.95	26.27	40.98	34.98	54	19.02
15960	34.48	PK	V	39.49	10.27	25.28	58.96	52.96	74	21.04
15960	23.05	AV	V	39.49	10.27	25.28	47.53	41.53	54	12.47
2324	37.91	PK	V	23.80	3.01	26.87	37.85	31.85	74	42.15
2324	26.73	AV	V	23.80	3.01	26.87	26.67	20.67	54	33.33
4523	33.90	PK	V	29.87	5.26	26.85	42.18	36.18	74	37.82
4523	22.57	AV	V	29.87	5.26	26.85	30.85	24.85	54	29.15
400.54	44.12	QP	H	16.12	1.64	28.23	33.65	33.65	46.00	12.35
500.45	43.03	QP	H	18.10	1.61	28.82	33.92	33.92	46.00	12.08

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	78.72	PK	H	31.87	5.28	0.00	115.87	109.87	N/A	N/A
5260	68.16	AV	H	31.87	5.28	0.00	105.31	99.31	N/A	N/A
5260	80.09	PK	V	31.87	5.28	0.00	117.24	111.24	N/A	N/A
5260	69.57	AV	V	31.87	5.28	0.00	106.72	100.72	N/A	N/A
5150	25.74	PK	V	31.67	5.18	0.00	62.59	56.59	74	17.41
5150	14.83	AV	V	31.67	5.18	0.00	51.68	45.68	54	8.32
10520	32.45	PK	V	37.41	7.86	26.34	51.38	45.38	74	28.62
10520	22.15	AV	V	37.41	7.86	26.34	41.08	35.08	54	18.92
15780	34.46	PK	V	39.46	10.25	25.30	58.87	52.87	74	21.13
15780	24.50	AV	V	39.46	10.25	25.30	48.91	42.91	54	11.09
1635	34.15	PK	V	24.32	2.77	26.46	34.78	28.78	74	45.22
1635	22.60	AV	V	24.32	2.77	26.46	23.23	17.23	54	36.77
4583	33.99	PK	V	30.07	5.23	26.85	42.44	36.44	74	37.56
4583	23.09	AV	V	30.07	5.23	26.85	31.54	25.54	54	28.46
400.54	43.62	QP	H	16.12	1.64	28.23	33.15	33.15	46.00	12.85
500.45	42.58	QP	H	18.10	1.61	28.82	33.47	33.47	46.00	12.53
Middle Channel:5280 MHz										
5280	78.18	PK	H	31.90	5.30	0.00	115.38	109.38	N/A	N/A
5280	68.23	AV	H	31.90	5.30	0.00	105.43	99.43	N/A	N/A
5280	79.06	PK	V	31.90	5.30	0.00	116.26	110.26	N/A	N/A
5280	68.83	AV	V	31.90	5.30	0.00	106.03	100.03	N/A	N/A
10560	32.46	PK	V	37.42	7.89	26.32	51.45	45.45	74	28.55
10560	22.46	AV	V	37.42	7.89	26.32	41.45	35.45	54	18.55
15840	34.31	PK	V	39.47	10.26	25.29	58.75	52.75	74	21.25
15840	23.86	AV	V	39.47	10.26	25.29	48.3	42.3	54	11.7
2021	35.28	PK	V	24.83	3.05	26.82	36.34	30.34	74	43.66
2021	24.07	AV	V	24.83	3.05	26.82	25.13	19.13	54	34.87
4628	33.41	PK	V	30.21	5.21	26.86	41.97	35.97	74	38.03
4628	23.22	AV	V	30.21	5.21	26.86	31.78	25.78	54	28.22
400.54	43.79	QP	H	16.12	1.64	28.23	33.32	33.32	46.00	12.68
500.45	42.41	QP	H	18.10	1.61	28.82	33.30	33.30	46.00	12.70

High Channel:5320 MHz										
5320	78.03	PK	H	31.98	5.34	0.00	115.35	109.35	N/A	N/A
5320	68.57	AV	H	31.98	5.34	0.00	105.89	99.89	N/A	N/A
5320	79.09	PK	V	31.98	5.34	0.00	116.41	110.41	N/A	N/A
5320	69.13	AV	V	31.98	5.34	0.00	106.45	100.45	N/A	N/A
5350	26.90	PK	V	32.03	5.37	0.00	64.3	58.3	74	15.7
5350	14.86	AV	V	32.03	5.37	0.00	52.26	46.26	54	7.74
10640	32.51	PK	V	37.46	7.95	26.27	51.65	45.65	74	28.35
10640	21.67	AV	V	37.46	7.95	26.27	40.81	34.81	54	19.19
15960	34.01	PK	V	39.49	10.27	25.28	58.49	52.49	74	21.51
15960	23.73	AV	V	39.49	10.27	25.28	48.21	42.21	54	11.79
1774	35.21	PK	V	24.54	2.88	26.60	36.03	30.03	74	43.97
1774	22.64	AV	V	24.54	2.88	26.60	23.46	17.46	54	36.54
4698	32.95	PK	V	30.43	5.17	26.86	41.69	35.69	74	38.31
4698	22.28	AV	V	30.43	5.17	26.86	31.02	25.02	54	28.98
400.54	43.87	QP	H	16.12	1.64	28.23	33.40	33.40	46.00	12.60
500.45	42.78	QP	H	18.10	1.61	28.82	33.67	33.67	46.00	12.33

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	81.77	PK	H	31.89	5.29	0.00	118.95	112.95	N/A	N/A
5270	71.90	AV	H	31.89	5.29	0.00	109.08	103.08	N/A	N/A
5270	82.37	PK	V	31.89	5.29	0.00	119.55	113.55	N/A	N/A
5270	72.15	AV	V	31.89	5.29	0.00	109.33	103.33	N/A	N/A
5150	26.40	PK	V	31.67	5.18	0.00	63.25	57.25	74	16.75
5150	15.24	AV	V	31.67	5.18	0.00	52.09	46.09	54	7.91
10540	32.63	PK	V	37.42	7.88	26.33	51.6	45.6	74	28.4
10540	22.34	AV	V	37.42	7.88	26.33	41.31	35.31	54	18.69
15810	34.51	PK	V	39.46	10.25	25.30	58.92	52.92	74	21.08
15810	23.72	AV	V	39.46	10.25	25.30	48.13	42.13	54	11.87
1669	35.38	PK	V	24.37	2.80	26.50	36.05	30.05	74	43.95
1669	23.20	AV	V	24.37	2.80	26.50	23.87	17.87	54	36.13
4427	33.96	PK	V	29.68	5.22	26.81	42.05	36.05	74	37.95
4427	23.45	AV	V	29.68	5.22	26.81	31.54	25.54	54	28.46
400.54	44.39	QP	H	16.12	1.64	28.23	33.92	33.92	46.00	12.08
500.45	43.05	QP	H	18.10	1.61	28.82	33.94	33.94	46.00	12.06
High Channel:5310 MHz										
5310	79.91	PK	H	31.96	5.33	0.00	117.2	111.2	N/A	N/A
5310	70.19	AV	H	31.96	5.33	0.00	107.48	101.48	N/A	N/A
5310	81.88	PK	V	31.96	5.33	0.00	119.17	113.17	N/A	N/A
5310	72.11	AV	V	31.96	5.33	0.00	109.4	103.4	N/A	N/A
5350	30.24	PK	V	32.03	5.37	0.00	67.64	61.64	74	12.36
5350	16.75	AV	V	32.03	5.37	0.00	54.15	48.15	54	5.85
10620	32.74	PK	V	37.45	7.93	26.28	51.84	45.84	74	28.16
10620	22.58	AV	V	37.45	7.93	26.28	41.68	35.68	54	18.32
15930	33.92	PK	V	39.49	10.27	25.29	58.39	52.39	74	21.61
15930	24.16	AV	V	39.49	10.27	25.29	48.63	42.63	54	11.37
1689	34.58	PK	V	24.40	2.81	26.52	35.27	29.27	74	44.73
1689	23.30	AV	V	24.40	2.81	26.52	23.99	17.99	54	36.01
4635	34.06	PK	V	30.23	5.21	26.86	42.64	36.64	74	37.36
4635	22.84	AV	V	30.23	5.21	26.86	31.42	25.42	54	28.58
400.54	44.46	QP	H	16.12	1.64	28.23	33.99	33.99	46.00	12.01
500.45	43.34	QP	H	18.10	1.61	28.82	34.23	34.23	46.00	11.77

802.11n ac80 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:5290 MHz										
5290	76.51	PK	H	31.92	5.31	0.00	113.74	107.74	N/A	N/A
5290	63.62	AV	H	31.92	5.31	0.00	100.85	94.85	N/A	N/A
5290	77.54	PK	V	31.92	5.31	0.00	114.77	108.77	N/A	N/A
5290	64.43	AV	V	31.92	5.31	0.00	101.66	95.66	N/A	N/A
5150	27.25	PK	V	31.67	5.18	0.00	64.1	58.1	74	15.9
5150	14.93	AV	V	31.67	5.18	0.00	51.78	45.78	54	8.22
5350	37.28	PK	V	32.03	5.37	0.00	74.68	68.68	74	5.32
5350	21.96	AV	V	32.03	5.37	0.00	59.36	53.36	54	0.64
10580	32.77	PK	V	37.43	7.91	26.30	51.81	45.81	74	28.19
10580	21.96	AV	V	37.43	7.91	26.30	41	35	54	19
15870	34.67	PK	V	39.47	10.26	25.29	59.11	53.11	74	20.89
15870	23.59	AV	V	39.47	10.26	25.29	48.03	42.03	54	11.97
6231	35.11	PK	V	33.13	6.04	26.60	47.68	41.68	74	32.32
6231	23.60	AV	V	33.13	6.04	26.60	36.17	30.17	54	23.83
400.54	44.57	QP	H	16.12	1.64	28.23	34.10	34.10	46.00	11.90
500.45	42.39	QP	H	18.10	1.61	28.82	33.28	33.28	46.00	12.72

5470MHz - 5725MHz

1TX:
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	81.24	PK	H	32.30	5.52	0.00	119.06	113.06	N/A	N/A
5500	71.70	AV	H	32.30	5.52	0.00	109.52	103.52	N/A	N/A
5500	71.11	PK	V	32.30	5.52	0.00	108.93	102.93	N/A	N/A
5500	61.34	AV	V	32.30	5.52	0.00	99.16	93.16	N/A	N/A
5470	36.91	PK	H	32.25	5.49	0.00	74.65	68.65	74	5.35
5470	20.37	AV	H	32.25	5.49	0.00	58.11	52.11	54	1.89
11000	33.06	PK	H	37.60	8.20	26.06	52.8	46.8	74	27.2
11000	21.78	AV	H	37.60	8.20	26.06	41.52	35.52	54	18.48
16500	35.95	PK	H	40.30	10.44	25.48	61.21	55.21	74	18.79
16500	25.13	AV	H	40.30	10.44	25.48	50.39	44.39	54	9.61
4223	33.89	PK	H	29.36	5.08	26.68	41.65	35.65	74	38.35
4223	23.42	AV	H	29.36	5.08	26.68	31.18	25.18	54	28.82
6302	35.12	PK	H	33.20	6.06	26.58	47.8	41.8	74	32.2
6302	23.13	AV	H	33.20	6.06	26.58	35.81	29.81	54	24.19
400.54	42.67	QP	H	16.12	1.64	28.23	32.20	32.20	46.00	13.80
500.45	43.26	QP	H	18.10	1.61	28.82	34.15	34.15	46.00	11.85
Middle Channel:5600 MHz										
5600	81.33	PK	H	32.42	5.61	0.00	119.36	113.36	N/A	N/A
5600	72.21	AV	H	32.42	5.61	0.00	110.24	104.24	N/A	N/A
5600	70.90	PK	V	32.42	5.61	0.00	108.93	102.93	N/A	N/A
5600	61.07	AV	V	32.42	5.61	0.00	99.1	93.1	N/A	N/A
11200	34.00	PK	H	37.76	8.21	26.04	53.93	47.93	74	26.07
11200	22.34	AV	H	37.76	8.21	26.04	42.27	36.27	54	17.73
16800	36.82	PK	H	41.26	10.43	25.59	62.92	56.92	74	17.08
16800	27.15	AV	H	41.26	10.43	25.59	53.25	47.25	54	6.75
4258	33.48	PK	H	29.41	5.10	26.70	41.29	35.29	74	38.71
4258	23.13	AV	H	29.41	5.10	26.70	30.94	24.94	54	29.06
6345	34.69	PK	H	33.25	6.08	26.57	47.45	41.45	74	32.55
6345	23.80	AV	H	33.25	6.08	26.57	36.56	30.56	54	23.44
400.54	42.84	QP	H	16.12	1.64	28.23	32.37	32.37	46.00	13.63
500.45	43.09	QP	H	18.10	1.61	28.82	33.98	33.98	46.00	12.02
Middle Channel:5700 MHz										
5700	78.85	PK	H	32.54	5.70	0.00	117.09	111.09	N/A	N/A
5700	69.12	AV	H	32.54	5.70	0.00	107.36	101.36	N/A	N/A
5700	70.27	PK	V	32.54	5.70	0.00	108.51	102.51	N/A	N/A
5700	59.92	AV	V	32.54	5.70	0.00	98.16	92.16	N/A	N/A
5725	36.92	PK	H	32.57	5.72	0.00	75.21	69.21	74	4.79
5725	20.86	AV	H	32.57	5.72	0.00	59.15	53.15	54	0.85
11400	33.43	PK	H	37.92	8.22	26.03	53.54	47.54	74	26.46
11400	22.80	AV	H	37.92	8.22	26.03	42.91	36.91	54	17.09
17100	36.18	PK	H	42.36	10.60	25.80	63.34	57.34	74	16.66
17100	25.52	AV	H	42.36	10.60	25.80	52.68	46.68	54	7.32
4306	33.70	PK	H	29.49	5.13	26.73	41.59	35.59	74	38.41
4306	23.21	AV	H	29.49	5.13	26.73	31.1	25.1	54	28.9
400.54	44.39	QP	H	16.12	1.64	28.23	33.92	33.92	46.00	12.08
500.45	43.05	QP	H	18.10	1.61	28.82	33.94	33.94	46.00	12.06

Crossed Channel:5720 MHz

5720	80.69	PK	H	32.56	5.71	0.00	118.96	112.96	N/A	N/A
5720	71.41	AV	H	32.56	5.71	0.00	109.68	103.68	N/A	N/A
5720	69.67	PK	V	32.56	5.71	0.00	107.94	101.94	N/A	N/A
5720	60.82	AV	V	32.56	5.71	0.00	99.09	93.09	N/A	N/A
11440	34.95	PK	H	37.95	8.22	26.02	55.1	49.1	74	24.9
11440	23.13	AV	H	37.95	8.22	26.02	43.28	37.28	54	16.72
17160	35.75	PK	H	42.64	10.70	25.89	63.2	57.2	74	16.8
17160	25.74	AV	H	42.64	10.70	25.89	53.19	47.19	54	6.81
3251	38.26	PK	H	25.61	3.81	26.50	41.18	35.18	74	38.82
3251	27.21	AV	H	25.61	3.81	26.50	30.13	24.13	54	29.87
6182	34.01	PK	H	33.08	6.02	26.61	46.5	40.5	74	33.5
6182	24.10	AV	H	33.08	6.02	26.61	36.59	30.59	54	23.41
400.54	42.92	QP	H	16.12	1.64	28.23	32.45	32.45	46.00	13.55
500.45	43.46	QP	H	18.10	1.61	28.82	34.35	34.35	46.00	11.65

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	81.65	PK	H	32.30	5.52	0.00	119.47	113.47	N/A	N/A
5500	71.36	AV	H	32.30	5.52	0.00	109.18	103.18	N/A	N/A
5500	70.00	PK	V	32.30	5.52	0.00	107.82	101.82	N/A	N/A
5500	59.61	AV	V	32.30	5.52	0.00	97.43	91.43	N/A	N/A
5470	37.13	PK	H	32.25	5.49	0.00	74.87	68.87	74	5.13
5470	21.39	AV	H	32.25	5.49	0.00	59.13	53.13	54	0.87
11000	32.62	PK	H	37.60	8.20	26.06	52.36	46.36	74	27.64
11000	21.45	AV	H	37.60	8.20	26.06	41.19	35.19	54	18.81
16500	36.11	PK	H	40.30	10.44	25.48	61.37	55.37	74	18.63
16500	25.17	AV	H	40.30	10.44	25.48	50.43	44.43	54	9.57
3326	35.92	PK	H	26.03	3.92	26.53	39.34	33.34	74	40.66
3326	25.69	AV	H	26.03	3.92	26.53	29.11	23.11	54	30.89
6218	34.69	PK	H	33.12	6.03	26.60	47.24	41.24	74	32.76
6218	23.92	AV	H	33.12	6.03	26.60	36.47	30.47	54	23.53
400.54	43.44	QP	H	16.12	1.64	28.23	32.97	32.97	46.00	13.03
500.45	43.73	QP	H	18.10	1.61	28.82	34.62	34.62	46.00	11.38
Middle Channel:5600 MHz										
5600	81.43	PK	H	32.42	5.61	0.00	119.46	113.46	N/A	N/A
5600	71.31	AV	H	32.42	5.61	0.00	109.34	103.34	N/A	N/A
5600	70.22	PK	V	32.42	5.61	0.00	108.25	102.25	N/A	N/A
5600	59.57	AV	V	32.42	5.61	0.00	97.6	91.6	N/A	N/A
11200	32.73	PK	H	37.76	8.21	26.04	52.66	46.66	74	27.34
11200	22.07	AV	H	37.76	8.21	26.04	42	36	54	18
16800	37.68	PK	H	41.26	10.43	25.59	63.78	57.78	74	16.22
16800	26.34	AV	H	41.26	10.43	25.59	52.44	46.44	54	7.56
3658	34.17	PK	H	27.63	4.41	26.58	39.63	33.63	74	40.37
3658	24.21	AV	H	27.63	4.41	26.58	29.67	23.67	54	30.33
6445	34.33	PK	H	33.35	6.11	26.54	47.25	41.25	74	32.75
6445	22.56	AV	H	33.35	6.11	26.54	35.48	29.48	54	24.52
400.54	43.51	QP	H	16.12	1.64	28.23	33.04	33.04	46.00	12.96
500.45	44.02	QP	H	18.10	1.61	28.82	34.91	34.91	46.00	11.09

High Channel:5700 MHz										
5700	79.81	PK	H	32.54	5.70	0.00	118.05	112.05	N/A	N/A
5700	69.76	AV	H	32.54	5.70	0.00	108	102	N/A	N/A
5700	69.63	PK	V	32.54	5.70	0.00	107.87	101.87	N/A	N/A
5700	59.87	AV	V	32.54	5.70	0.00	98.11	92.11	N/A	N/A
5725	32.40	PK	H	32.57	5.72	0.00	70.69	64.69	74	9.31
5725	18.91	AV	H	32.57	5.72	0.00	57.2	51.2	54	2.8
11400	33.45	PK	H	37.92	8.22	26.03	53.56	47.56	74	26.44
11400	21.83	AV	H	37.92	8.22	26.03	41.94	35.94	54	18.06
17100	36.26	PK	H	42.36	10.60	25.80	63.42	57.42	74	16.58
17100	25.62	AV	H	42.36	10.60	25.80	52.78	46.78	54	7.22
3374	35.35	PK	H	26.29	3.99	26.54	39.09	33.09	74	40.91
3374	25.53	AV	H	26.29	3.99	26.54	29.27	23.27	54	30.73
6204	35.38	PK	H	33.10	6.03	26.61	47.9	41.9	74	32.1
6204	24.62	AV	H	33.10	6.03	26.61	37.14	31.14	54	22.86
400.54	43.62	QP	H	16.12	1.64	28.23	33.15	33.15	46.00	12.85
500.45	43.07	QP	H	18.10	1.61	28.82	33.96	33.96	46.00	12.04
Crossed Channel:5720 MHz										
5720	80.50	PK	H	32.56	5.71	0.00	118.77	112.77	N/A	N/A
5720	70.32	AV	H	32.56	5.71	0.00	108.59	102.59	N/A	N/A
5720	70.17	PK	V	32.56	5.71	0.00	108.44	102.44	N/A	N/A
5720	59.83	AV	V	32.56	5.71	0.00	98.1	92.1	N/A	N/A
11440	33.09	PK	H	37.95	8.22	26.02	53.24	47.24	74	26.76
11440	21.83	AV	H	37.95	8.22	26.02	41.98	35.98	54	18.02
17160	36.14	PK	H	42.64	10.70	25.89	63.59	57.59	74	16.41
17160	24.69	AV	H	42.64	10.70	25.89	52.14	46.14	54	7.86
3356	35.61	PK	H	26.19	3.96	26.54	39.22	33.22	74	40.78
3356	25.07	AV	H	26.19	3.96	26.54	28.68	22.68	54	31.32
6123	34.40	PK	H	33.02	6.00	26.63	46.79	40.79	74	33.21
6123	23.55	AV	H	33.02	6.00	26.63	35.94	29.94	54	24.06
400.54	43.87	QP	H	16.12	1.64	28.23	33.40	33.40	46.00	12.60
500.45	42.78	QP	H	18.10	1.61	28.82	33.67	33.67	46.00	12.33

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	81.05	PK	H	32.31	5.53	0.00	118.89	112.89	N/A	N/A
5510	70.24	AV	H	32.31	5.53	0.00	108.08	102.08	N/A	N/A
5510	68.23	PK	V	32.31	5.53	0.00	106.07	100.07	N/A	N/A
5510	57.54	AV	V	32.31	5.53	0.00	95.38	89.38	N/A	N/A
5470	35.06	PK	H	32.25	5.49	0.00	72.8	66.8	74	7.2
5470	19.49	AV	H	32.25	5.49	0.00	57.23	51.23	54	2.77
11020	33.07	PK	H	37.62	8.20	26.06	52.83	46.83	74	27.17
11020	21.48	AV	H	37.62	8.20	26.06	41.24	35.24	54	18.76
16530	36.54	PK	H	40.40	10.44	25.49	61.89	55.89	74	18.11
16530	25.62	AV	H	40.40	10.44	25.49	50.97	44.97	54	9.03
3256	37.90	PK	H	25.63	3.81	26.50	40.84	34.84	74	39.16
3256	27.44	AV	H	25.63	3.81	26.50	30.38	24.38	54	29.62
6332	34.29	PK	H	33.23	6.07	26.57	47.02	41.02	74	32.98
6332	23.71	AV	H	33.23	6.07	26.57	36.44	30.44	54	23.56
400.54	43.27	QP	H	16.12	1.64	28.23	32.80	32.80	46.00	13.20
500.45	42.99	QP	H	18.10	1.61	28.82	33.88	33.88	46.00	12.12
Middle Channel:5590 MHz										
5590	81.46	PK	H	32.41	5.60	0.00	119.47	113.47	N/A	N/A
5590	70.33	AV	H	32.41	5.60	0.00	108.34	102.34	N/A	N/A
5590	68.90	PK	V	32.41	5.60	0.00	106.91	100.91	N/A	N/A
5590	57.65	AV	V	32.41	5.60	0.00	95.66	89.66	N/A	N/A
11180	33.26	PK	H	37.74	8.21	26.05	53.16	47.16	74	26.84
11180	22.22	AV	H	37.74	8.21	26.05	42.12	36.12	54	17.88
16770	37.82	PK	H	41.16	10.43	25.58	63.83	57.83	74	16.17
16770	26.31	AV	H	41.16	10.43	25.58	52.32	46.32	54	7.68
3396	35.57	PK	H	26.42	4.02	26.55	39.46	33.46	74	40.54
3396	25.49	AV	H	26.42	4.02	26.55	29.38	23.38	54	30.62
6572	34.75	PK	H	33.53	6.12	26.49	47.91	41.91	74	32.09
6572	23.56	AV	H	33.53	6.12	26.49	36.72	30.72	54	23.28
400.54	43.44	QP	H	16.12	1.64	28.23	32.97	32.97	46.00	13.03
500.45	42.82	QP	H	18.10	1.61	28.82	33.71	33.71	46.00	12.29

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)						
High Channel:5670 MHz										
5670	79.93	PK	H	32.50	5.67	0.00	118.1	112.1	N/A	N/A
5670	69.55	AV	H	32.50	5.67	0.00	107.72	101.72	N/A	N/A
5670	66.64	PK	V	32.50	5.67	0.00	104.81	98.81	N/A	N/A
5670	56.25	AV	V	32.50	5.67	0.00	94.42	88.42	N/A	N/A
5725	26.20	PK	H	32.57	5.72	0.00	64.49	58.49	74	15.51
5725	14.63	AV	H	32.57	5.72	0.00	52.92	46.92	54	7.08
11340	32.95	PK	H	37.87	8.21	26.03	53	47	74	27
11340	22.01	AV	H	37.87	8.21	26.03	42.06	36.06	54	17.94
17010	37.47	PK	H	41.95	10.45	25.67	64.2	58.2	74	15.8
17010	26.05	AV	H	41.95	10.45	25.67	52.78	46.78	54	7.22
3502	34.96	PK	H	27.01	4.18	26.59	39.56	33.56	74	40.44
3502	24.41	AV	H	27.01	4.18	26.59	29.01	23.01	54	30.99
6428	34.91	PK	H	33.33	6.11	26.55	47.8	41.8	74	32.2
6428	24.23	AV	H	33.33	6.11	26.55	37.12	31.12	54	22.88
400.54	43.52	QP	H	16.12	1.64	28.23	33.05	33.05	46.00	12.95
500.45	43.19	QP	H	18.10	1.61	28.82	34.08	34.08	46.00	11.92
Crossed Channel:5710 MHz										
5710	80.85	PK	H	32.55	5.70	0.00	119.1	113.1	N/A	N/A
5710	70.71	AV	H	32.55	5.70	0.00	108.96	102.96	N/A	N/A
5710	68.37	PK	V	32.55	5.70	0.00	106.62	100.62	N/A	N/A
5710	56.96	AV	V	32.55	5.70	0.00	95.21	89.21	N/A	N/A
11420	33.24	PK	H	37.94	8.22	26.03	53.37	47.37	74	26.63
11420	21.90	AV	H	37.94	8.22	26.03	42.03	36.03	54	17.97
17130	36.79	PK	H	42.50	10.65	25.84	64.1	58.1	74	15.9
17130	24.30	AV	H	42.50	10.65	25.84	51.61	45.61	54	8.39
3425	35.53	PK	H	26.58	4.07	26.56	39.62	33.62	74	40.38
3425	24.66	AV	H	26.58	4.07	26.56	28.75	22.75	54	31.25
6321	35.06	PK	H	33.22	6.07	26.58	47.77	41.77	74	32.23
6321	24.75	AV	H	33.22	6.07	26.58	37.46	31.46	54	22.54
400.54	44.04	QP	H	16.12	1.64	28.23	33.57	33.57	46.00	12.43
500.45	43.46	QP	H	18.10	1.61	28.82	34.35	34.35	46.00	11.65

802.11n ac80 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	72.20	PK	H	32.34	5.55	0.00	110.09	104.09	N/A	N/A
5530	59.68	AV	H	32.34	5.55	0.00	97.57	91.57	N/A	N/A
5530	65.47	PK	V	32.34	5.55	0.00	103.36	97.36	N/A	N/A
5530	53.26	AV	V	32.34	5.55	0.00	91.15	85.15	N/A	N/A
5470	33.62	PK	H	32.25	5.49	0.00	71.36	65.36	74	8.64
5470	20.83	AV	H	32.25	5.49	0.00	58.57	52.57	54	1.43
11060	33.45	PK	H	37.65	8.20	26.06	53.24	47.24	74	26.76
11060	22.43	AV	H	37.65	8.20	26.06	42.22	36.22	54	17.78
16590	36.90	PK	H	40.59	10.44	25.51	62.42	56.42	74	17.58
16590	25.47	AV	H	40.59	10.44	25.51	50.99	44.99	54	9.01
6084	33.28	PK	H	32.98	5.99	26.64	45.61	39.61	74	34.39
6084	21.75	AV	H	32.98	5.99	26.64	34.08	28.08	54	25.92
400.54	44.11	QP	H	16.12	1.64	28.23	33.64	33.64	46.00	12.36
500.45	43.75	QP	H	18.10	1.61	28.82	34.64	34.64	46.00	11.36
High Channel:5610 MHz										
5610	75.51	PK	H	32.43	5.62	0.00	113.56	107.56	N/A	N/A
5610	62.49	AV	H	32.43	5.62	0.00	100.54	94.54	N/A	N/A
5610	68.96	PK	V	32.43	5.62	0.00	107.01	101.01	N/A	N/A
5610	57.15	AV	V	32.43	5.62	0.00	95.2	89.2	N/A	N/A
5725	30.91	PK	H	32.57	5.72	0.00	69.2	63.2	74	10.8
5725	17.16	AV	H	32.57	5.72	0.00	55.45	49.45	54	4.55
11220	33.18	PK	H	37.78	8.21	26.04	53.13	47.13	74	26.87
11220	21.82	AV	H	37.78	8.21	26.04	41.77	35.77	54	18.23
16830	37.55	PK	H	41.36	10.43	25.60	63.74	57.74	74	16.26
16830	26.48	AV	H	41.36	10.43	25.60	52.67	46.67	54	7.33
6112	32.16	PK	H	33.01	6.00	26.63	44.54	38.54	74	35.46
6112	21.71	AV	H	33.01	6.00	26.63	34.09	28.09	54	25.91
400.54	44.22	QP	H	16.12	1.64	28.23	33.75	33.75	46.00	12.25
500.45	42.8	QP	H	18.10	1.61	28.82	33.69	33.69	46.00	12.31

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:5690 MHz										
5690	74.76	PK	H	32.53	5.69	0.00	112.98	106.98	N/A	N/A
5690	61.83	AV	H	32.53	5.69	0.00	100.05	94.05	N/A	N/A
5690	68.01	PK	V	32.53	5.69	0.00	106.23	100.23	N/A	N/A
5690	55.85	AV	V	32.53	5.69	0.00	94.07	88.07	N/A	N/A
11380	33.53	PK	H	37.90	8.22	26.03	53.62	47.62	74	26.38
11380	22.84	AV	H	37.90	8.22	26.03	42.93	36.93	54	17.07
17070	37.09	PK	H	42.22	10.55	25.76	64.1	58.1	74	15.9
17070	25.65	AV	H	42.22	10.55	25.76	52.66	46.66	54	7.34
6023	33.01	PK	H	32.92	5.97	26.65	45.25	39.25	74	34.75
6023	21.84	AV	H	32.92	5.97	26.65	34.08	28.08	54	25.92
400.54	42.88	QP	H	16.12	1.64	28.23	32.41	32.41	46.00	13.59
500.45	42.97	QP	H	18.10	1.61	28.82	33.86	33.86	46.00	12.14

2TX(Chain 0+1 was the worst):
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	79.47	PK	H	32.30	5.52	0.00	117.29	111.29	N/A	N/A
5500	68.37	AV	H	32.30	5.52	0.00	106.19	100.19	N/A	N/A
5500	76.41	PK	V	32.30	5.52	0.00	114.23	108.23	N/A	N/A
5500	65.58	AV	V	32.30	5.52	0.00	103.4	97.4	N/A	N/A
5470	27.45	PK	H	32.25	5.49	0.00	65.19	59.19	74	14.81
5470	16.07	AV	H	32.25	5.49	0.00	53.81	47.81	54	6.19
11000	34.04	PK	H	37.60	8.20	26.06	53.78	47.78	74	26.22
11000	23.07	AV	H	37.60	8.20	26.06	42.81	36.81	54	17.19
16500	35.46	PK	H	40.30	10.44	25.48	60.72	54.72	74	19.28
16500	24.27	AV	H	40.30	10.44	25.48	49.53	43.53	54	10.47
3668	36.04	PK	H	27.67	4.43	26.58	41.56	35.56	74	38.44
3668	25.13	AV	H	27.67	4.43	26.58	30.65	24.65	54	29.35
6347	34.24	PK	H	33.25	6.08	26.57	47	41	74	33
6347	22.90	AV	H	33.25	6.08	26.57	35.66	29.66	54	24.34
400.54	43.05	QP	H	16.12	1.64	28.23	32.58	32.58	46.00	13.42
500.45	42.8	QP	H	18.10	1.61	28.82	33.69	33.69	46.00	12.31
Middle Channel:5600 MHz										
5600	79.84	PK	H	32.42	5.61	0.00	117.87	111.87	N/A	N/A
5600	69.05	AV	H	32.42	5.61	0.00	107.08	101.08	N/A	N/A
5600	76.95	PK	V	32.42	5.61	0.00	114.98	108.98	N/A	N/A
5600	66.31	AV	V	32.42	5.61	0.00	104.34	98.34	N/A	N/A
11200	33.92	PK	H	37.76	8.21	26.04	53.85	47.85	74	26.15
11200	22.79	AV	H	37.76	8.21	26.04	42.72	36.72	54	17.28
16800	37.54	PK	H	41.26	10.43	25.59	63.64	57.64	74	16.36
16800	26.13	AV	H	41.26	10.43	25.59	52.23	46.23	54	7.77
3689	35.62	PK	H	27.76	4.46	26.57	41.27	35.27	74	38.73
3689	25.01	AV	H	27.76	4.46	26.57	30.66	24.66	54	29.34
6376	34.46	PK	H	33.28	6.09	26.56	47.27	41.27	74	32.73
6376	23.71	AV	H	33.28	6.09	26.56	36.52	30.52	54	23.48
400.54	43.13	QP	H	16.12	1.64	28.23	32.66	32.66	46.00	13.34
500.45	43.17	QP	H	18.10	1.61	28.82	34.06	34.06	46.00	11.94

High Channel:5700 MHz										
5700	79.17	PK	H	32.54	5.70	0.00	117.41	111.41	N/A	N/A
5700	67.92	AV	H	32.54	5.70	0.00	106.16	100.16	N/A	N/A
5700	75.83	PK	V	32.54	5.70	0.00	114.07	108.07	N/A	N/A
5700	64.95	AV	V	32.54	5.70	0.00	103.19	97.19	N/A	N/A
5725	27.75	PK	H	32.57	5.72	0.00	66.04	60.04	74	13.96
5725	15.37	AV	H	32.57	5.72	0.00	53.66	47.66	54	6.34
11400	35.07	PK	H	37.92	8.22	26.03	55.18	49.18	74	24.82
11400	22.91	AV	H	37.92	8.22	26.03	43.02	37.02	54	16.98
17100	36.24	PK	H	42.36	10.60	25.80	63.4	57.4	74	16.6
17100	25.68	AV	H	42.36	10.60	25.80	52.84	46.84	54	7.16
3722	36.09	PK	H	27.89	4.51	26.57	41.92	35.92	74	38.08
3722	23.91	AV	H	27.89	4.51	26.57	29.74	23.74	54	30.26
6405	34.12	PK	H	33.31	6.10	26.55	46.98	40.98	74	33.02
6405	23.07	AV	H	33.31	6.10	26.55	35.93	29.93	54	24.07
400.54	43.65	QP	H	16.12	1.64	28.23	33.18	33.18	46.00	12.82
500.45	43.44	QP	H	18.10	1.61	28.82	34.33	34.33	46.00	11.67
Crossed Channel 5720 MHz										
5720	79.53	PK	H	32.56	5.71	0.00	117.8	111.8	N/A	N/A
5720	69.36	AV	H	32.56	5.71	0.00	107.63	101.63	N/A	N/A
5720	77.00	PK	V	32.56	5.71	0.00	115.27	109.27	N/A	N/A
5720	66.16	AV	V	32.56	5.71	0.00	104.43	98.43	N/A	N/A
11440	35.03	PK	H	37.95	8.22	26.02	55.18	49.18	74	24.82
11440	22.68	AV	H	37.95	8.22	26.02	42.83	36.83	54	17.17
17160	36.42	PK	H	42.64	10.70	25.89	63.87	57.87	74	16.13
17160	24.32	AV	H	42.64	10.70	25.89	51.77	45.77	54	8.23
4156	34.47	PK	H	29.25	5.03	26.64	42.11	36.11	74	37.89
4156	23.86	AV	H	29.25	5.03	26.64	31.5	25.5	54	28.5
6517	33.36	PK	H	33.43	6.13	26.52	46.4	40.4	74	33.6
6517	23.19	AV	H	33.43	6.13	26.52	36.23	30.23	54	23.77
400.54	43.72	QP	H	16.12	1.64	28.23	33.25	33.25	46.00	12.75
500.45	43.73	QP	H	18.10	1.61	28.82	34.62	34.62	46.00	11.38

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	78.78	PK	H	32.30	5.52	0.00	116.6	110.6	N/A	N/A
5500	71.36	AV	H	32.30	5.52	0.00	109.18	103.18	N/A	N/A
5500	70.00	PK	V	32.30	5.52	0.00	107.82	101.82	N/A	N/A
5500	59.61	AV	V	32.30	5.52	0.00	97.43	91.43	N/A	N/A
5470	37.13	PK	H	32.25	5.49	0.00	74.87	68.87	74	5.13
5470	21.39	AV	H	32.25	5.49	0.00	59.13	53.13	54	0.87
11000	34.25	PK	H	37.60	8.20	26.06	53.99	47.99	74	26.01
11000	23.09	AV	H	37.60	8.20	26.06	42.83	36.83	54	17.17
16500	36.00	PK	H	40.30	10.44	25.48	61.26	55.26	74	18.74
16500	24.72	AV	H	40.30	10.44	25.48	49.98	43.98	54	10.02
3722	36.37	PK	H	27.89	4.51	26.57	42.2	36.2	74	37.8
3722	25.12	AV	H	27.89	4.51	26.57	30.95	24.95	54	29.05
6514	34.11	PK	H	33.43	6.13	26.52	47.15	41.15	74	32.85
6514	23.85	AV	H	33.43	6.13	26.52	36.89	30.89	54	23.11
400.54	43.83	QP	H	16.12	1.64	28.23	33.36	33.36	46.00	12.64
500.45	42.78	QP	H	18.10	1.61	28.82	33.67	33.67	46.00	12.33
Middle Channel:5600 MHz										
5600	78.42	PK	H	32.42	5.61	0.00	116.45	110.45	N/A	N/A
5600	71.26	AV	H	32.42	5.61	0.00	109.29	103.29	N/A	N/A
5600	70.24	PK	V	32.42	5.61	0.00	108.27	102.27	N/A	N/A
5600	59.41	AV	V	32.42	5.61	0.00	97.44	91.44	N/A	N/A
11200	33.66	PK	H	37.76	8.21	26.04	53.59	47.59	74	26.41
11200	23.31	AV	H	37.76	8.21	26.04	43.24	37.24	54	16.76
16800	36.89	PK	H	41.26	10.43	25.59	62.99	56.99	74	17.01
16800	26.45	AV	H	41.26	10.43	25.59	52.55	46.55	54	7.45
3756	35.57	PK	H	28.02	4.56	26.57	41.58	35.58	74	38.42
3756	24.59	AV	H	28.02	4.56	26.57	30.6	24.6	54	29.4
6557	33.87	PK	H	33.50	6.12	26.50	46.99	40.99	74	33.01
6557	23.43	AV	H	33.50	6.12	26.50	36.55	30.55	54	23.45
400.54	43.21	QP	H	16.12	1.64	28.23	32.74	32.74	46.00	13.26
500.45	42.88	QP	H	18.10	1.61	28.82	33.77	33.77	46.00	12.23

High Channel:5700 MHz										
5700	77.97	PK	H	32.54	5.70	0.00	116.21	110.21	N/A	N/A
5700	67.18	AV	H	32.54	5.70	0.00	105.42	99.42	N/A	N/A
5700	74.10	PK	V	32.54	5.70	0.00	112.34	106.34	N/A	N/A
5700	62.99	AV	V	32.54	5.70	0.00	101.23	95.23	N/A	N/A
5725	29.77	PK	H	32.57	5.72	0.00	68.06	62.06	74	11.94
5725	15.86	AV	H	32.57	5.72	0.00	54.15	48.15	54	5.85
11400	34.20	PK	H	37.92	8.22	26.03	54.31	48.31	74	25.69
11400	23.18	AV	H	37.92	8.22	26.03	43.29	37.29	54	16.71
17100	36.10	PK	H	42.36	10.60	25.80	63.26	57.26	74	16.74
17100	25.16	AV	H	42.36	10.60	25.80	52.32	46.32	54	7.68
3955	35.25	PK	H	28.82	4.85	26.55	42.37	36.37	74	37.63
3955	23.86	AV	H	28.82	4.85	26.55	30.98	24.98	54	29.02
6612	34.55	PK	H	33.60	6.12	26.47	47.8	41.8	74	32.2
6612	22.79	AV	H	33.60	6.12	26.47	36.04	30.04	54	23.96
400.54	43.38	QP	H	16.12	1.64	28.23	32.91	32.91	46.00	13.09
500.45	42.71	QP	H	18.10	1.61	28.82	33.60	33.60	46.00	12.40
Crossed Channel:5720 MHz										
5720	78.68	PK	H	32.56	5.71	0.00	116.95	110.95	N/A	N/A
5720	71.03	AV	H	32.56	5.71	0.00	109.3	103.3	N/A	N/A
5720	69.31	PK	V	32.56	5.71	0.00	107.58	101.58	N/A	N/A
5720	59.34	AV	V	32.56	5.71	0.00	97.61	91.61	N/A	N/A
11440	34.65	PK	H	37.95	8.22	26.02	54.8	48.8	74	25.2
11440	23.22	AV	H	37.95	8.22	26.02	43.37	37.37	54	16.63
17160	36.04	PK	H	42.64	10.70	25.89	63.49	57.49	74	16.51
17160	24.97	AV	H	42.64	10.70	25.89	52.42	46.42	54	7.58
4023	34.96	PK	H	29.04	4.94	26.56	42.38	36.38	74	37.62
4023	24.04	AV	H	29.04	4.94	26.56	31.46	25.46	54	28.54
6638	34.41	PK	H	33.65	6.11	26.46	47.71	41.71	74	32.29
6638	22.82	AV	H	33.65	6.11	26.46	36.12	30.12	54	23.88
400.54	43.46	QP	H	16.12	1.64	28.23	32.99	32.99	46.00	13.01
500.45	43.08	QP	H	18.10	1.61	28.82	33.97	33.97	46.00	12.03

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	74.07	PK	H	32.31	5.53	0.00	111.91	105.91	N/A	N/A
5510	64.44	AV	H	32.31	5.53	0.00	102.28	96.28	N/A	N/A
5510	70.23	PK	V	32.31	5.53	0.00	108.07	102.07	N/A	N/A
5510	60.05	AV	V	32.31	5.53	0.00	97.89	91.89	N/A	N/A
5470	36.19	PK	H	32.25	5.49	0.00	73.93	67.93	74	6.07
5470	20.58	AV	H	32.25	5.49	0.00	58.32	52.32	54	1.68
11020	33.37	PK	H	37.62	8.20	26.06	53.13	47.13	74	26.87
11020	22.74	AV	H	37.62	8.20	26.06	42.5	36.5	54	17.5
16530	36.29	PK	H	40.40	10.44	25.49	61.64	55.64	74	18.36
16530	25.46	AV	H	40.40	10.44	25.49	50.81	44.81	54	9.19
3456	36.31	PK	H	26.75	4.11	26.57	40.6	34.6	74	39.4
3456	25.84	AV	H	26.75	4.11	26.57	30.13	24.13	54	29.87
6348	33.71	PK	H	33.25	6.08	26.57	46.47	40.47	74	33.53
6348	22.36	AV	H	33.25	6.08	26.57	35.12	29.12	54	24.88
400.54	43.98	QP	H	16.12	1.64	28.23	33.51	33.51	46.00	12.49
500.45	43.35	QP	H	18.10	1.61	28.82	34.24	34.24	46.00	11.76
Middle Channel:5590 MHz										
5590	80.26	PK	H	32.41	5.60	0.00	118.27	112.27	N/A	N/A
5590	69.18	AV	H	32.41	5.60	0.00	107.19	101.19	N/A	N/A
5590	67.07	PK	V	32.41	5.60	0.00	105.08	99.08	N/A	N/A
5590	57.13	AV	V	32.41	5.60	0.00	95.14	89.14	N/A	N/A
11180	33.67	PK	H	37.74	8.21	26.05	53.57	47.57	74	26.43
11180	22.95	AV	H	37.74	8.21	26.05	42.85	36.85	54	17.15
16770	37.34	PK	H	41.16	10.43	25.58	63.35	57.35	74	16.65
16770	26.16	AV	H	41.16	10.43	25.58	52.17	46.17	54	7.83
3486	36.53	PK	H	26.92	4.16	26.58	41.03	35.03	74	38.97
3486	25.09	AV	H	26.92	4.16	26.58	29.59	23.59	54	30.41
6493	33.70	PK	H	33.39	6.13	26.53	46.69	40.69	74	33.31
6493	22.32	AV	H	33.39	6.13	26.53	35.31	29.31	54	24.69
400.54	44.05	QP	H	16.12	1.64	28.23	33.58	33.58	46.00	12.42
500.45	43.64	QP	H	18.10	1.61	28.82	34.53	34.53	46.00	11.47

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)						
High Channel:5670 MHz										
5670	79.93	PK	H	32.50	5.67	0.00	118.1	112.1	N/A	N/A
5670	68.81	AV	H	32.50	5.67	0.00	106.98	100.98	N/A	N/A
5670	66.64	PK	V	32.50	5.67	0.00	104.81	98.81	N/A	N/A
5670	56.25	AV	V	32.50	5.67	0.00	94.42	88.42	N/A	N/A
5725	35.27	PK	H	32.57	5.72	0.00	73.56	67.56	74	6.44
5725	20.39	AV	H	32.57	5.72	0.00	58.68	52.68	54	1.32
11340	34.32	PK	H	37.87	8.21	26.03	54.37	48.37	74	25.63
11340	23.93	AV	H	37.87	8.21	26.03	43.98	37.98	54	16.02
17010	36.65	PK	H	41.95	10.45	25.67	63.38	57.38	74	16.62
17010	26.16	AV	H	41.95	10.45	25.67	52.89	46.89	54	7.11
3594	35.76	PK	H	27.38	4.32	26.58	40.88	34.88	74	39.12
3594	24.87	AV	H	27.38	4.32	26.58	29.99	23.99	54	30.01
6438	33.73	PK	H	33.34	6.11	26.55	46.63	40.63	74	33.37
6438	23.27	AV	H	33.34	6.11	26.55	36.17	30.17	54	23.83
400.54	44.16	QP	H	16.12	1.64	28.23	33.69	33.69	46.00	12.31
500.45	42.69	QP	H	18.10	1.61	28.82	33.58	33.58	46.00	12.42
Crossed Channel:5710 MHz										
5710	80.24	PK	H	32.55	5.70	0.00	118.49	112.49	N/A	N/A
5710	69.15	AV	H	32.55	5.70	0.00	107.4	101.4	N/A	N/A
5710	67.20	PK	V	32.55	5.70	0.00	105.45	99.45	N/A	N/A
5710	57.02	AV	V	32.55	5.70	0.00	95.27	89.27	N/A	N/A
11420	35.17	PK	H	37.94	8.22	26.03	55.3	49.3	74	24.7
11420	23.25	AV	H	37.94	8.22	26.03	43.38	37.38	54	16.62
17130	35.93	PK	H	42.50	10.65	25.84	63.24	57.24	74	16.76
17130	25.28	AV	H	42.50	10.65	25.84	52.59	46.59	54	7.41
3626	36.73	PK	H	27.50	4.37	26.58	42.02	36.02	74	37.98
3626	25.28	AV	H	27.50	4.37	26.58	30.57	24.57	54	29.43
6525	33.81	PK	H	33.45	6.13	26.52	46.87	40.87	74	33.13
6525	22.46	AV	H	33.45	6.13	26.52	35.52	29.52	54	24.48
400.54	43.67	QP	H	16.12	1.64	28.23	33.20	33.20	46.00	12.80
500.45	43.21	QP	H	18.10	1.61	28.82	34.10	34.10	46.00	11.90

802.11n ac80 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	72.43	PK	H	32.34	5.55	0.00	110.32	104.32	N/A	N/A
5530	60.25	AV	H	32.34	5.55	0.00	98.14	92.14	N/A	N/A
5530	68.18	PK	V	32.34	5.55	0.00	106.07	100.07	N/A	N/A
5530	56.01	AV	V	32.34	5.55	0.00	93.9	87.9	N/A	N/A
5470	35.26	PK	H	32.25	5.49	0.00	73	67	74	7
5470	21.61	AV	H	32.25	5.49	0.00	59.35	53.35	54	0.65
11060	34.25	PK	H	37.65	8.20	26.06	54.04	48.04	74	25.96
11060	22.58	AV	H	37.65	8.20	26.06	42.37	36.37	54	17.63
16590	36.36	PK	H	40.59	10.44	25.51	61.88	55.88	74	18.12
16590	25.63	AV	H	40.59	10.44	25.51	51.15	45.15	54	8.85
3507	36.19	PK	H	27.03	4.19	26.59	40.82	34.82	74	39.18
3507	24.75	AV	H	27.03	4.19	26.59	29.38	23.38	54	30.62
400.54	43.84	QP	H	16.12	1.64	28.23	33.37	33.37	46.00	12.63
500.45	43.04	QP	H	18.10	1.61	28.82	33.93	33.93	46.00	12.07
High Channel:5610 MHz										
5610	76.76	PK	H	32.43	5.62	0.00	114.81	108.81	N/A	N/A
5610	64.47	AV	H	32.43	5.62	0.00	102.52	96.52	N/A	N/A
5610	73.28	PK	V	32.43	5.62	0.00	111.33	105.33	N/A	N/A
5610	60.20	AV	V	32.43	5.62	0.00	98.25	92.25	N/A	N/A
5725	33.22	PK	H	32.57	5.72	0.00	71.51	65.51	74	8.49
5725	19.91	AV	H	32.57	5.72	0.00	58.2	52.2	54	1.8
11220	34.22	PK	H	37.78	8.21	26.04	54.17	48.17	74	25.83
11220	22.66	AV	H	37.78	8.21	26.04	42.61	36.61	54	17.39
16830	36.57	PK	H	41.36	10.43	25.60	62.76	56.76	74	17.24
16830	26.19	AV	H	41.36	10.43	25.60	52.38	46.38	54	7.62
3543	36.36	PK	H	27.17	4.24	26.59	41.18	35.18	74	38.82
3543	24.42	AV	H	27.17	4.24	26.59	29.24	23.24	54	30.76
400.54	43.92	QP	H	16.12	1.64	28.23	33.45	33.45	46.00	12.55
500.45	43.41	QP	H	18.10	1.61	28.82	34.30	34.30	46.00	11.70

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:5690 MHz										
5690	77.38	PK	H	32.53	5.69	0.00	115.6	109.6	N/A	N/A
5690	64.84	AV	H	32.53	5.69	0.00	103.06	97.06	N/A	N/A
5690	73.70	PK	V	32.53	5.69	0.00	111.92	105.92	N/A	N/A
5690	61.27	AV	V	32.53	5.69	0.00	99.49	93.49	N/A	N/A
11380	35.20	PK	H	37.90	8.22	26.03	55.29	49.29	74	24.71
11380	23.62	AV	H	37.90	8.22	26.03	43.71	37.71	54	16.29
17070	35.74	PK	H	42.22	10.55	25.76	62.75	56.75	74	17.25
17070	24.37	AV	H	42.22	10.55	25.76	51.38	45.38	54	8.62
3586	36.31	PK	H	27.34	4.31	26.58	41.38	35.38	74	38.62
3586	25.42	AV	H	27.34	4.31	26.58	30.49	24.49	54	29.51
400.54	44.44	QP	H	16.12	1.64	28.23	33.97	33.97	46.00	12.03
500.45	43.68	QP	H	18.10	1.61	28.82	34.57	34.57	46.00	11.43

3TX:
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	77.86	PK	H	32.30	5.52	0.00	115.68	109.68	N/A	N/A
5500	66.97	AV	H	32.30	5.52	0.00	104.79	98.79	N/A	N/A
5500	79.43	PK	V	32.30	5.52	0.00	117.25	111.25	N/A	N/A
5500	68.94	AV	V	32.30	5.52	0.00	106.76	100.76	N/A	N/A
5470	26.92	PK	V	32.25	5.49	0.00	64.66	58.66	74	15.34
5470	15.20	AV	V	32.25	5.49	0.00	52.94	46.94	54	7.06
11000	32.65	PK	V	37.60	8.20	26.06	52.39	46.39	74	27.61
11000	21.97	AV	V	37.60	8.20	26.06	41.71	35.71	54	18.29
16500	34.14	PK	V	40.30	10.44	25.48	59.4	53.4	74	20.6
16500	22.28	AV	V	40.30	10.44	25.48	47.54	41.54	54	12.46
2302	37.39	PK	V	23.87	3.01	26.86	37.41	31.41	74	42.59
2302	25.72	AV	V	23.87	3.01	26.86	25.74	19.74	54	34.26
3589	35.61	PK	V	27.36	4.31	26.58	40.7	34.7	74	39.3
3589	24.78	AV	V	27.36	4.31	26.58	29.87	23.87	54	30.13
400.54	44.51	QP	H	16.12	1.64	28.23	34.04	34.04	46.00	11.96
500.45	43.97	QP	H	18.10	1.61	28.82	34.86	34.86	46.00	11.14
Middle Channel:5600 MHz										
5600	77.45	PK	H	32.42	5.61	0.00	115.48	109.48	N/A	N/A
5600	67.10	AV	H	32.42	5.61	0.00	105.13	99.13	N/A	N/A
5600	78.92	PK	V	32.42	5.61	0.00	116.95	110.95	N/A	N/A
5600	68.89	AV	V	32.42	5.61	0.00	106.92	100.92	N/A	N/A
11200	32.76	PK	V	37.76	8.21	26.04	52.69	46.69	74	27.31
11200	22.03	AV	V	37.76	8.21	26.04	41.96	35.96	54	18.04
16800	35.68	PK	V	41.26	10.43	25.59	61.78	55.78	74	18.22
16800	23.87	AV	V	41.26	10.43	25.59	49.97	43.97	54	10.03
2025	35.50	PK	V	24.82	3.05	26.82	36.55	30.55	74	43.45
2025	23.44	AV	V	24.82	3.05	26.82	24.49	18.49	54	35.51
4120	34.89	PK	V	29.19	5.00	26.62	42.46	36.46	74	37.54
4120	23.60	AV	V	29.19	5.00	26.62	31.17	25.17	54	28.83
400.54	44.62	QP	H	16.12	1.64	28.23	34.15	34.15	46.00	11.85
500.45	43.02	QP	H	18.10	1.61	28.82	33.91	33.91	46.00	12.09

High Channel:5700 MHz										
5700	77.09	PK	H	32.54	5.70	0.00	115.33	109.33	N/A	N/A
5700	67.06	AV	H	32.54	5.70	0.00	105.3	99.3	N/A	N/A
5700	78.43	PK	V	32.54	5.70	0.00	116.67	110.67	N/A	N/A
5700	68.02	AV	V	32.54	5.70	0.00	106.26	100.26	N/A	N/A
5725	27.60	PK	V	32.57	5.72	0.00	65.89	59.89	74	14.11
5725	14.75	AV	V	32.57	5.72	0.00	53.04	47.04	54	6.96
11400	33.98	PK	V	37.92	8.22	26.03	54.09	48.09	74	25.91
11400	23.07	AV	V	37.92	8.22	26.03	43.18	37.18	54	16.82
17100	34.96	PK	V	42.36	10.60	25.80	62.12	56.12	74	17.88
17100	22.62	AV	V	42.36	10.60	25.80	49.78	43.78	54	10.22
2268	37.29	PK	V	23.99	3.02	26.86	37.44	31.44	74	42.56
2268	25.87	AV	V	23.99	3.02	26.86	26.02	20.02	54	33.98
4415	34.43	PK	V	29.66	5.21	26.80	42.5	36.5	74	37.5
4415	23.41	AV	V	29.66	5.21	26.80	31.48	25.48	54	28.52
400.54	42.67	QP	H	16.12	1.64	28.23	32.20	32.20	46.00	13.80
500.45	43.66	QP	H	18.10	1.61	28.82	34.55	34.55	46.00	11.45
Crossed Channel 5720 MHz										
5720	77.21	PK	H	32.56	5.71	0.00	115.48	109.48	N/A	N/A
5720	67.35	AV	H	32.56	5.71	0.00	105.62	99.62	N/A	N/A
5720	77.64	PK	V	32.56	5.71	0.00	115.91	109.91	N/A	N/A
5720	68.37	AV	V	32.56	5.71	0.00	106.64	100.64	N/A	N/A
11440	33.98	PK	V	37.95	8.22	26.02	54.13	48.13	74	25.87
11440	22.68	AV	V	37.95	8.22	26.02	42.83	36.83	54	17.17
17160	34.86	PK	V	42.64	10.70	25.89	62.31	56.31	74	17.69
17160	22.01	AV	V	42.64	10.70	25.89	49.46	43.46	54	10.54
3527	37.66	PK	V	27.11	4.22	26.59	42.4	36.4	74	37.6
3527	24.67	AV	V	27.11	4.22	26.59	29.41	23.41	54	30.59
4815	33.99	PK	V	30.81	5.12	26.87	43.05	37.05	74	36.95
4815	23.17	AV	V	30.81	5.12	26.87	32.23	26.23	54	27.77
400.54	42.84	QP	H	16.12	1.64	28.23	32.37	32.37	46.00	13.63
500.45	43.49	QP	H	18.10	1.61	28.82	34.38	34.38	46.00	11.62

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	76.77	PK	H	32.30	5.52	0.00	114.59	108.59	N/A	N/A
5500	66.49	AV	H	32.30	5.52	0.00	104.31	98.31	N/A	N/A
5500	79.52	PK	V	32.30	5.52	0.00	117.34	111.34	N/A	N/A
5500	68.87	AV	V	32.30	5.52	0.00	106.69	100.69	N/A	N/A
5470	27.29	PK	V	32.25	5.49	0.00	65.03	59.03	74	14.97
5470	15.24	AV	V	32.25	5.49	0.00	52.98	46.98	54	7.02
11000	32.76	PK	V	37.60	8.20	26.06	52.5	46.5	74	27.5
11000	21.82	AV	V	37.60	8.20	26.06	41.56	35.56	54	18.44
16500	34.66	PK	V	40.30	10.44	25.48	59.92	53.92	74	20.08
16500	24.12	AV	V	40.30	10.44	25.48	49.38	43.38	54	10.62
2352	38.20	PK	V	23.70	3.01	26.87	38.04	32.04	74	41.96
2352	26.63	AV	V	23.70	3.01	26.87	26.47	20.47	54	33.53
6053	32.98	PK	V	32.95	5.98	26.65	45.26	39.26	74	34.74
6053	22.77	AV	V	32.95	5.98	26.65	35.05	29.05	54	24.95
400.54	42.92	QP	H	16.12	1.64	28.23	32.45	32.45	46.00	13.55
500.45	43.86	QP	H	18.10	1.61	28.82	34.75	34.75	46.00	11.25
Middle Channel:5600 MHz										
5600	76.67	PK	H	32.42	5.61	0.00	114.7	108.7	N/A	N/A
5600	65.95	AV	H	32.42	5.61	0.00	103.98	97.98	N/A	N/A
5600	78.41	PK	V	32.42	5.61	0.00	116.44	110.44	N/A	N/A
5600	67.56	AV	V	32.42	5.61	0.00	105.59	99.59	N/A	N/A
11200	33.56	PK	V	37.76	8.21	26.04	53.49	47.49	74	26.51
11200	22.25	AV	V	37.76	8.21	26.04	42.18	36.18	54	17.82
16800	36.50	PK	V	41.26	10.43	25.59	62.6	56.6	74	17.4
16800	25.18	AV	V	41.26	10.43	25.59	51.28	45.28	54	8.72
2543	39.41	PK	V	23.29	3.03	26.85	38.88	32.88	74	41.12
2543	27.76	AV	V	23.29	3.03	26.85	27.23	21.23	54	32.77
4923	33.83	PK	V	31.15	5.07	26.88	43.17	37.17	74	36.83
4923	23.07	AV	V	31.15	5.07	26.88	32.41	26.41	54	27.59
400.54	43.44	QP	H	16.12	1.64	28.23	32.97	32.97	46.00	13.03
500.45	44.13	QP	H	18.10	1.61	28.82	35.02	35.02	46.00	10.98

High Channel:5700 MHz										
5700	76.17	PK	H	32.54	5.70	0.00	114.41	108.41	N/A	N/A
5700	65.40	AV	H	32.54	5.70	0.00	103.64	97.64	N/A	N/A
5700	77.87	PK	V	32.54	5.70	0.00	116.11	110.11	N/A	N/A
5700	66.99	AV	V	32.54	5.70	0.00	105.23	99.23	N/A	N/A
5725	29.94	PK	V	32.57	5.72	0.00	68.23	62.23	74	11.77
5725	15.10	AV	V	32.57	5.72	0.00	53.39	47.39	54	6.61
11400	33.64	PK	V	37.92	8.22	26.03	53.75	47.75	74	26.25
11400	22.33	AV	V	37.92	8.22	26.03	42.44	36.44	54	17.56
17100	34.26	PK	V	42.36	10.60	25.80	61.42	55.42	74	18.58
17100	22.74	AV	V	42.36	10.60	25.80	49.9	43.9	54	10.1
3584	37.84	PK	V	27.34	4.30	26.58	42.9	36.9	74	37.1
3584	27.13	AV	V	27.34	4.30	26.58	32.19	26.19	54	27.81
4837	34.18	PK	V	30.88	5.11	26.87	43.3	37.3	74	36.7
4837	22.90	AV	V	30.88	5.11	26.87	32.02	26.02	54	27.98
400.54	43.51	QP	H	16.12	1.64	28.23	33.04	33.04	46.00	12.96
500.45	44.42	QP	H	18.10	1.61	28.82	35.31	35.31	46.00	10.69
Crossed Channel:5720 MHz										
5720	75.79	PK	H	32.56	5.71	0.00	114.06	108.06	N/A	N/A
5720	65.50	AV	H	32.56	5.71	0.00	103.77	97.77	N/A	N/A
5720	77.60	PK	V	32.56	5.71	0.00	115.87	109.87	N/A	N/A
5720	66.87	AV	V	32.56	5.71	0.00	105.14	99.14	N/A	N/A
11440	33.95	PK	V	37.95	8.22	26.02	54.1	48.1	74	25.9
11440	23.21	AV	V	37.95	8.22	26.02	43.36	37.36	54	16.64
17160	34.10	PK	V	42.64	10.70	25.89	61.55	55.55	74	18.45
17160	22.66	AV	V	42.64	10.70	25.89	50.11	44.11	54	9.89
3654	36.87	PK	V	27.62	4.41	26.58	42.32	36.32	74	37.68
3654	25.39	AV	V	27.62	4.41	26.58	30.84	24.84	54	29.16
4725	33.27	PK	V	30.52	5.16	26.86	42.09	36.09	74	37.91
4725	22.39	AV	V	30.52	5.16	26.86	31.21	25.21	54	28.79
400.54	43.62	QP	H	16.12	1.64	28.23	33.15	33.15	46.00	12.85
500.45	43.47	QP	H	18.10	1.61	28.82	34.36	34.36	46.00	11.64

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	79.86	PK	H	32.31	5.53	0.00	117.7	111.7	N/A	N/A
5510	69.44	AV	H	32.31	5.53	0.00	107.28	101.28	N/A	N/A
5510	81.92	PK	V	32.31	5.53	0.00	119.76	113.76	N/A	N/A
5510	71.40	AV	V	32.31	5.53	0.00	109.24	103.24	N/A	N/A
5470	34.29	PK	V	32.25	5.49	0.00	72.03	66.03	74	7.97
5470	16.62	AV	V	32.25	5.49	0.00	54.36	48.36	54	5.64
11020	32.91	PK	V	37.62	8.20	26.06	52.67	46.67	74	27.33
11020	21.99	AV	V	37.62	8.20	26.06	41.75	35.75	54	18.25
16530	34.03	PK	V	40.40	10.44	25.49	59.38	53.38	74	20.62
16530	22.34	AV	V	40.40	10.44	25.49	47.69	41.69	54	12.31
6122	35.48	PK	V	33.02	6.00	26.63	47.87	41.87	74	32.13
6122	23.06	AV	V	33.02	6.00	26.63	35.45	29.45	54	24.55
6194	33.04	PK	V	33.09	6.03	26.61	45.55	39.55	74	34.45
6194	22.27	AV	V	33.09	6.03	26.61	34.78	28.78	54	25.22
400.54	43.62	QP	H	16.12	1.64	28.23	33.15	33.15	46.00	12.85
500.45	43.47	QP	H	18.10	1.61	28.82	34.36	34.36	46.00	11.64
Middle Channel:5590 MHz										
5590	79.77	PK	H	32.41	5.60	0.00	117.78	111.78	N/A	N/A
5590	69.18	AV	H	32.41	5.60	0.00	107.19	101.19	N/A	N/A
5590	81.89	PK	V	32.41	5.60	0.00	119.9	113.9	N/A	N/A
5590	71.10	AV	V	32.41	5.60	0.00	109.11	103.11	N/A	N/A
11180	32.57	PK	V	37.74	8.21	26.05	52.47	46.47	74	27.53
11180	22.02	AV	V	37.74	8.21	26.05	41.92	35.92	54	18.08
16770	35.94	PK	V	41.16	10.43	25.58	61.95	55.95	74	18.05
16770	24.20	AV	V	41.16	10.43	25.58	50.21	44.21	54	9.79
2759	38.99	PK	V	23.72	3.22	26.64	39.29	33.29	74	40.71
2759	27.45	AV	V	23.72	3.22	26.64	27.75	21.75	54	32.25
4733	34.13	PK	V	30.55	5.16	26.86	42.98	36.98	74	37.02
4733	22.86	AV	V	30.55	5.16	26.86	31.71	25.71	54	28.29
400.54	43.05	QP	H	16.12	1.64	28.23	32.58	32.58	46.00	13.42
500.45	42.58	QP	H	18.10	1.61	28.82	33.47	33.47	46.00	12.53

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)						
High Channel:5670 MHz										
5670	78.71	PK	H	32.50	5.67	0.00	116.88	110.88	N/A	N/A
5670	68.87	AV	H	32.50	5.67	0.00	107.04	101.04	N/A	N/A
5670	80.32	PK	V	32.50	5.67	0.00	118.49	112.49	N/A	N/A
5670	69.58	AV	V	32.50	5.67	0.00	107.75	101.75	N/A	N/A
5725	25.84	PK	V	32.57	5.72	0.00	64.13	58.13	74	15.87
5725	14.49	AV	V	32.57	5.72	0.00	52.78	46.78	54	7.22
11340	33.54	PK	V	37.87	8.21	26.03	53.59	47.59	74	26.41
11340	22.42	AV	V	37.87	8.21	26.03	42.47	36.47	54	17.53
17010	34.77	PK	V	41.95	10.45	25.67	61.5	55.5	74	18.5
17010	23.19	AV	V	41.95	10.45	25.67	49.92	43.92	54	10.08
3629	37.51	PK	V	27.52	4.37	26.58	42.82	36.82	74	37.18
3629	25.30	AV	V	27.52	4.37	26.58	30.61	24.61	54	29.39
6138	32.82	PK	V	33.04	6.01	26.62	45.25	39.25	74	34.75
6138	22.46	AV	V	33.04	6.01	26.62	34.89	28.89	54	25.11
400.54	43.22	QP	H	16.12	1.64	28.23	32.75	32.75	46.00	13.25
500.45	42.41	QP	H	18.10	1.61	28.82	33.30	33.30	46.00	12.70
Crossed Channel:5710 MHz										
5710	77.97	PK	H	32.55	5.70	0.00	116.22	110.22	N/A	N/A
5710	67.61	AV	H	32.55	5.70	0.00	105.86	99.86	N/A	N/A
5710	79.78	PK	V	32.55	5.70	0.00	118.03	112.03	N/A	N/A
5710	69.65	AV	V	32.55	5.70	0.00	107.9	101.9	N/A	N/A
11420	32.95	PK	V	37.94	8.22	26.03	53.08	47.08	74	26.92
11420	23.30	AV	V	37.94	8.22	26.03	43.43	37.43	54	16.57
17130	34.98	PK	V	42.50	10.65	25.84	62.29	56.29	74	17.71
17130	22.32	AV	V	42.50	10.65	25.84	49.63	43.63	54	10.37
3325	38.80	PK	V	26.02	3.92	26.53	42.21	36.21	74	37.79
3325	26.55	AV	V	26.02	3.92	26.53	29.96	23.96	54	30.04
4821	33.11	PK	V	30.83	5.12	26.87	42.19	36.19	74	37.81
4821	23.34	AV	V	30.83	5.12	26.87	32.42	26.42	54	27.58
400.54	43.82	QP	H	16.12	1.64	28.23	33.35	33.35	46.00	12.65
500.45	43.05	QP	H	18.10	1.61	28.82	33.94	33.94	46.00	12.06

802.11n ac80 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	73.16	PK	H	32.34	5.55	0.00	111.05	105.05	N/A	N/A
5530	60.21	AV	H	32.34	5.55	0.00	98.1	92.1	N/A	N/A
5530	73.78	PK	V	32.34	5.55	0.00	111.67	105.67	N/A	N/A
5530	60.50	AV	V	32.34	5.55	0.00	98.39	92.39	N/A	N/A
5470	34.62	PK	V	32.25	5.49	0.00	72.36	66.36	74	7.64
5470	20.41	AV	V	32.25	5.49	0.00	58.15	52.15	54	1.85
11060	33.19	PK	V	37.65	8.20	26.06	52.98	46.98	74	27.02
11060	21.60	AV	V	37.65	8.20	26.06	41.39	35.39	54	18.61
16590	35.10	PK	V	40.59	10.44	25.51	60.62	54.62	74	19.38
16590	22.95	AV	V	40.59	10.44	25.51	48.47	42.47	54	11.53
3325	38.92	PK	V	26.02	3.92	26.53	42.33	36.33	74	37.67
3325	26.62	AV	V	26.02	3.92	26.53	30.03	24.03	54	29.97
400.54	43.89	QP	H	16.12	1.64	28.23	33.42	33.42	46.00	12.58
500.45	43.34	QP	H	18.10	1.61	28.82	34.23	34.23	46.00	11.77
High Channel:5610 MHz										
5610	72.30	PK	H	32.43	5.62	0.00	110.35	104.35	N/A	N/A
5610	59.35	AV	H	32.43	5.62	0.00	97.4	91.4	N/A	N/A
5610	74.66	PK	V	32.43	5.62	0.00	112.71	106.71	N/A	N/A
5610	60.43	AV	V	32.43	5.62	0.00	98.48	92.48	N/A	N/A
5725	27.09	PK	V	32.57	5.72	0.00	65.38	59.38	74	14.62
5725	14.32	AV	V	32.57	5.72	0.00	52.61	46.61	54	7.39
11220	33.45	PK	V	37.78	8.21	26.04	53.4	47.4	74	26.6
11220	22.33	AV	V	37.78	8.21	26.04	42.28	36.28	54	17.72
16830	35.06	PK	V	41.36	10.43	25.60	61.25	55.25	74	18.75
16830	23.98	AV	V	41.36	10.43	25.60	50.17	44.17	54	9.83
3459	37.59	PK	V	26.77	4.12	26.58	41.9	35.9	74	38.1
3459	26.24	AV	V	26.77	4.12	26.58	30.55	24.55	54	29.45
400.54	44	QP	H	16.12	1.64	28.23	33.53	33.53	46.00	12.47
500.45	42.39	QP	H	18.10	1.61	28.82	33.28	33.28	46.00	12.72

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:5690 MHz										
5690	71.84	PK	H	32.53	5.69	0.00	110.06	104.06	N/A	N/A
5690	59.77	AV	H	32.53	5.69	0.00	97.99	91.99	N/A	N/A
5690	74.65	PK	V	32.53	5.69	0.00	112.87	106.87	N/A	N/A
5690	63.10	AV	V	32.53	5.69	0.00	101.32	95.32	N/A	N/A
11380	33.47	PK	V	37.90	8.22	26.03	53.56	47.56	74	26.44
11380	22.44	AV	V	37.90	8.22	26.03	42.53	36.53	54	17.47
17070	34.87	PK	V	42.22	10.55	25.76	61.88	55.88	74	18.12
17070	23.62	AV	V	42.22	10.55	25.76	50.63	44.63	54	9.37
3547	36.74	PK	V	27.19	4.25	26.59	41.59	35.59	74	38.41
3547	25.92	AV	V	27.19	4.25	26.59	30.77	24.77	54	29.23
400.54	42.69	QP	H	16.12	1.64	28.23	32.22	46.00	13.78	400.54
500.45	43.25	QP	H	18.10	1.61	28.82	34.14	46.00	11.86	500.45

5725MHz - 5850MHz

1TX:
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	78.98	PK	H	32.59	5.74	0.00	117.31	111.31	N/A	N/A
5745	68.39	AV	H	32.59	5.74	0.00	106.72	100.72	N/A	N/A
5745	68.66	PK	V	32.59	5.74	0.00	106.99	100.99	N/A	N/A
5745	58.63	AV	V	32.59	5.74	0.00	96.96	90.96	N/A	N/A
5725	43.48	PK	H	32.57	5.72	0.00	81.77	75.77	122.2	46.43
5720	38.70	PK	H	32.56	5.71	0.00	76.97	70.97	110.8	39.83
5700	26.79	PK	H	32.54	5.70	0.00	65.03	59.03	105.2	46.17
5650	26.24	PK	H	32.48	5.65	0.00	64.37	58.37	68.2	9.83
11490	34.23	PK	H	37.99	8.22	26.02	54.42	48.42	74	25.58
11490	22.87	AV	H	37.99	8.22	26.02	43.06	37.06	54	16.94
17235	35.80	PK	H	42.98	10.82	25.99	63.61	57.61	74	16.39
17235	24.91	AV	H	42.98	10.82	25.99	52.72	46.72	54	7.28
4213	34.60	PK	H	29.34	5.07	26.68	42.33	36.33	74	37.67
4213	23.93	AV	H	29.34	5.07	26.68	31.66	25.66	54	28.34
6325	33.97	PK	H	33.23	6.07	26.58	46.69	40.69	74	33.31
6325	21.51	AV	H	33.23	6.07	26.58	34.23	28.23	54	25.77
400.54	40.39	QP	H	16.12	1.64	28.23	29.92	29.92	46.00	16.08
500.45	36.91	QP	H	18.10	1.61	28.82	27.80	27.80	46.00	18.20
Middle Channel:5785 MHz										
5785	79.24	PK	H	32.64	5.77	0.00	117.65	111.65	N/A	N/A
5785	68.53	AV	H	32.64	5.77	0.00	106.94	100.94	N/A	N/A
5785	69.00	PK	V	32.64	5.77	0.00	107.41	101.41	N/A	N/A
5785	58.87	AV	V	32.64	5.77	0.00	97.28	91.28	N/A	N/A
11570	34.22	PK	H	38.03	8.21	26.00	54.46	48.46	74	25.54
11570	23.27	AV	H	38.03	8.21	26.00	43.51	37.51	54	16.49
17355	35.04	PK	H	43.53	11.03	26.16	63.44	57.44	74	16.56
17355	24.40	AV	H	43.53	11.03	26.16	52.8	46.8	54	7.2
4176	34.38	PK	H	29.28	5.04	26.66	42.04	36.04	74	37.96
4176	23.50	AV	H	29.28	5.04	26.66	31.16	25.16	54	28.84
6325	34.15	PK	H	33.23	6.07	26.58	46.87	40.87	74	33.13
6325	22.36	AV	H	33.23	6.07	26.58	35.08	29.08	54	24.92
400.54	40.56	QP	H	16.12	1.64	28.23	30.09	30.09	46.00	15.91
500.45	36.74	QP	H	18.10	1.61	28.82	27.63	27.63	46.00	18.37

High Channel:5825 MHz										
5825	79.18	PK	H	32.69	5.81	0.00	117.68	111.68	N/A	N/A
5825	68.87	AV	H	32.69	5.81	0.00	107.37	101.37	N/A	N/A
5825	68.34	PK	V	32.69	5.81	0.00	106.84	100.84	N/A	N/A
5825	57.98	AV	V	32.69	5.81	0.00	96.48	90.48	N/A	N/A
5850	38.34	PK	H	32.72	5.83	0.00	76.89	70.89	122.2	51.31
5855	36.22	PK	H	32.73	5.83	0.00	74.78	68.78	110.8	42.02
5875	25.02	PK	H	32.75	5.85	0.00	63.62	57.62	105.2	47.58
5925	27.21	PK	H	32.81	5.89	0.00	65.91	59.91	68.2	8.29
11650	34.03	PK	H	38.06	8.20	25.98	54.31	48.31	74	25.69
11650	23.29	AV	H	38.06	8.20	25.98	43.57	37.57	54	16.43
17475	34.37	PK	H	44.09	11.23	26.33	63.36	57.36	74	16.64
17475	24.19	AV	H	44.09	11.23	26.33	53.18	47.18	54	6.82
4222	33.87	PK	H	29.36	5.08	26.68	41.63	35.63	74	38.37
4222	23.59	AV	H	29.36	5.08	26.68	31.35	25.35	54	28.65
6387	33.73	PK	H	33.29	6.09	26.56	46.55	40.55	74	33.45
6387	22.34	AV	H	33.29	6.09	26.56	35.16	29.16	54	24.84
400.54	40.64	QP	H	16.12	1.64	28.23	30.17	30.17	46.00	15.83
500.45	37.11	QP	H	18.10	1.61	28.82	28.00	28.00	46.00	18.00

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	78.23	PK	H	32.59	5.74	0.00	116.56	110.56	N/A	N/A
5745	66.88	AV	H	32.59	5.74	0.00	105.21	99.21	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	44.44	PK	H	32.57	5.72	0.00	82.73	76.73	122.2	45.47
5720	38.45	PK	H	32.56	5.71	0.00	76.72	70.72	110.8	40.08
5700	27.87	PK	H	32.54	5.70	0.00	66.11	60.11	105.2	45.09
5650	27.50	PK	H	32.48	5.65	0.00	65.63	59.63	68.2	8.57
11490	33.76	PK	H	37.99	8.22	26.02	53.95	47.95	74	26.05
11490	22.35	AV	H	37.99	8.22	26.02	42.54	36.54	54	17.46
17235	35.11	PK	H	42.98	10.82	25.99	62.92	56.92	74	17.08
17235	23.34	AV	H	42.98	10.82	25.99	51.15	45.15	54	8.85
4525	33.43	PK	H	29.88	5.26	26.85	41.72	35.72	74	38.28
4525	22.89	AV	H	29.88	5.26	26.85	31.18	25.18	54	28.82
6325	33.68	PK	H	33.23	6.07	26.58	46.4	40.4	74	33.6
6325	21.90	AV	H	33.23	6.07	26.58	34.62	28.62	54	25.38
400.54	41.16	QP	H	16.12	1.64	28.23	30.69	30.69	46.00	15.31
500.45	37.38	QP	H	18.10	1.61	28.82	28.27	28.27	46.00	17.73
Middle Channel:5785 MHz										
5785	78.45	PK	H	32.64	5.77	0.00	116.86	110.86	N/A	N/A
5785	67.81	AV	H	32.64	5.77	0.00	106.22	100.22	N/A	N/A
5785	67.87	PK	V	32.64	5.77	0.00	106.28	100.28	N/A	N/A
5785	57.53	AV	V	32.64	5.77	0.00	95.94	89.94	N/A	N/A
11570	34.33	PK	H	38.03	8.21	26.00	54.57	48.57	74	25.43
11570	22.87	AV	H	38.03	8.21	26.00	43.11	37.11	54	16.89
17355	34.85	PK	H	43.53	11.03	26.16	63.25	57.25	74	16.75
17355	22.66	AV	H	43.53	11.03	26.16	51.06	45.06	54	8.94
4867	33.94	PK	H	30.97	5.09	26.87	43.13	37.13	74	36.87
4867	22.43	AV	H	30.97	5.09	26.87	31.62	25.62	54	28.38
6187	34.23	PK	H	33.09	6.02	26.61	46.73	40.73	74	33.27
6187	22.41	AV	H	33.09	6.02	26.61	34.91	28.91	54	25.09
400.54	41.23	QP	H	16.12	1.64	28.23	30.76	30.76	46.00	15.24
500.45	37.67	QP	H	18.10	1.61	28.82	28.56	28.56	46.00	17.44

High Channel:5825 MHz										
5825	79.18	PK	H	32.69	5.81	0.00	117.68	111.68	N/A	N/A
5825	68.67	AV	H	32.69	5.81	0.00	107.17	101.17	N/A	N/A
5825	68.00	PK	V	32.69	5.81	0.00	106.5	100.5	N/A	N/A
5825	58.15	AV	V	32.69	5.81	0.00	96.65	90.65	N/A	N/A
5850	37.88	PK	H	32.72	5.83	0.00	76.43	70.43	122.2	51.77
5855	36.23	PK	H	32.73	5.83	0.00	74.79	68.79	110.8	42.01
5875	25.79	PK	H	32.75	5.85	0.00	64.39	58.39	105.2	46.81
5925	26.59	PK	H	32.81	5.89	0.00	65.29	59.29	68.2	8.91
11650	34.21	PK	H	38.06	8.20	25.98	54.49	48.49	74	25.51
11650	22.88	AV	H	38.06	8.20	25.98	43.16	37.16	54	16.84
17475	34.16	PK	H	44.09	11.23	26.33	63.15	57.15	74	16.85
17475	22.79	AV	H	44.09	11.23	26.33	51.78	45.78	54	8.22
4584	33.65	PK	H	30.07	5.23	26.86	42.09	36.09	74	37.91
4584	23.24	AV	H	30.07	5.23	26.86	31.68	25.68	54	28.32
6329	33.50	PK	H	33.23	6.07	26.57	46.23	40.23	74	33.77
6329	22.34	AV	H	33.23	6.07	26.57	35.07	29.07	54	24.93
400.54	41.34	QP	H	16.12	1.64	28.23	30.87	30.87	46.00	15.13
500.45	36.72	QP	H	18.10	1.61	28.82	27.61	27.61	46.00	18.39

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	75.61	PK	H	32.61	5.74	0.00	113.96	107.96	N/A	N/A
5755	64.32	AV	H	32.61	5.74	0.00	102.67	96.67	N/A	N/A
5755	64.74	PK	V	32.61	5.74	0.00	103.09	97.09	N/A	N/A
5755	55.13	AV	V	32.61	5.74	0.00	93.48	87.48	N/A	N/A
5725	42.81	PK	H	32.57	5.72	0.00	81.1	75.1	122.2	47.1
5720	38.52	PK	H	32.56	5.71	0.00	76.79	70.79	110.8	40.01
5700	35.47	PK	H	32.54	5.70	0.00	73.71	67.71	105.2	37.49
5650	26.26	PK	H	32.48	5.65	0.00	64.39	58.39	68.2	9.81
11510	34.33	PK	H	38.00	8.22	26.02	54.53	48.53	74	25.47
11510	22.70	AV	H	38.00	8.22	26.02	42.9	36.9	54	17.1
17265	35.05	PK	H	43.12	10.88	26.04	63.01	57.01	74	16.99
17265	23.28	AV	H	43.12	10.88	26.04	51.24	45.24	54	8.76
4189	34.32	PK	H	29.30	5.05	26.66	42.01	36.01	74	37.99
4189	23.49	AV	H	29.30	5.05	26.66	31.18	25.18	54	28.82
6289	33.55	PK	H	33.19	6.06	26.58	46.22	40.22	74	33.78
6289	22.43	AV	H	33.19	6.06	26.58	35.1	29.1	54	24.9
400.54	40.24	QP	H	16.12	1.64	28.23	29.77	29.77	46.00	16.23
500.45	37.28	QP	H	18.10	1.61	28.82	28.17	28.17	46.00	17.83
High Channel:5795 MHz										
5795	75.76	PK	H	32.65	5.78	0.00	114.19	108.19	N/A	N/A
5795	63.57	AV	H	32.65	5.78	0.00	102	96	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	31.80	PK	H	32.72	5.83	0.00	70.35	64.35	122.2	57.85
5855	30.72	PK	H	32.73	5.83	0.00	69.28	63.28	110.8	47.52
5875	26.08	PK	H	32.75	5.85	0.00	64.68	58.68	105.2	46.52
5925	26.69	PK	H	32.81	5.89	0.00	65.39	59.39	68.2	8.81
11590	33.53	PK	H	38.04	8.21	25.99	53.79	47.79	74	26.21
11590	22.77	AV	H	38.04	8.21	25.99	43.03	37.03	54	16.97
17385	34.70	PK	H	43.67	11.08	26.21	63.24	57.24	74	16.76
17385	24.27	AV	H	43.67	11.08	26.21	52.81	46.81	54	7.19
4231	34.05	PK	H	29.37	5.08	26.69	41.81	35.81	74	38.19
4231	22.78	AV	H	29.37	5.08	26.69	30.54	24.54	54	29.46
6345	34.25	PK	H	33.25	6.08	26.57	47.01	41.01	74	32.99
6345	23.43	AV	H	33.25	6.08	26.57	36.19	30.19	54	23.81
400.54	40.41	QP	H	16.12	1.64	28.23	29.94	29.94	46.00	16.06
500.45	37.11	QP	H	18.10	1.61	28.82	28.00	28.00	46.00	18.00

802.11n ac80 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:5775 MHz										
5775	74.60	PK	H	32.63	5.76	0.00	112.99	106.99	N/A	N/A
5775	62.32	AV	H	32.63	5.76	0.00	100.71	94.71	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	46.08	PK	H	32.57	5.72	0.00	84.37	78.37	122.2	43.83
5720	44.63	PK	H	32.56	5.71	0.00	82.9	76.9	110.8	33.9
5700	37.40	PK	H	32.54	5.70	0.00	75.64	69.64	105.2	35.56
5650	28.51	PK	H	32.48	5.65	0.00	66.64	60.64	68.2	7.56
5725	36.24	PK	H	32.57	5.72	0.00	74.53	68.53	78.2	9.67
5715	34.49	PK	H	32.56	5.71	0.00	72.76	66.76	68.2	1.44
5850	36.45	PK	H	32.72	5.83	0.00	75	69	122.2	53.2
5855	34.63	PK	H	32.73	5.83	0.00	73.19	67.19	110.8	43.61
5875	30.21	PK	H	32.75	5.85	0.00	68.81	62.81	105.2	42.39
5925	27.38	PK	H	32.81	5.89	0.00	66.08	60.08	68.2	8.12
11550	34.10	PK	H	38.02	8.21	26.01	54.32	48.32	74	25.68
11550	22.94	AV	H	38.02	8.21	26.01	43.16	37.16	54	16.84
17325	35.42	PK	H	43.40	10.98	26.12	63.68	57.68	74	16.32
17325	24.48	AV	H	43.40	10.98	26.12	52.74	46.74	54	7.26
4258	35.43	PK	H	29.41	5.10	26.70	43.24	37.24	74	36.76
4258	24.80	AV	H	29.41	5.10	26.70	32.61	26.61	54	27.39
400.54	40.49	QP	H	16.12	1.64	28.23	30.02	30.02	46.00	15.98
500.45	37.48	QP	H	18.10	1.61	28.82	28.37	28.37	46.00	17.63

2TX(Chain 0+1 was the worst):
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	80.44	PK	H	32.59	5.74	0.00	118.77	112.77	N/A	N/A
5745	69.89	AV	H	32.59	5.74	0.00	108.22	102.22	N/A	N/A
5745	77.61	PK	V	32.59	5.74	0.00	115.94	109.94	N/A	N/A
5745	66.72	AV	V	32.59	5.74	0.00	105.05	99.05	N/A	N/A
5725	46.12	PK	H	32.57	5.72	0.00	84.41	78.41	122.2	43.79
5720	38.87	PK	H	32.56	5.71	0.00	77.14	71.14	110.8	39.66
5700	26.56	PK	H	32.54	5.70	0.00	64.8	58.8	105.2	46.4
5650	25.86	PK	H	32.48	5.65	0.00	63.99	57.99	68.2	10.21
11490	34.88	PK	H	37.99	8.22	26.02	55.07	49.07	74	24.93
11490	23.55	AV	H	37.99	8.22	26.02	43.74	37.74	54	16.26
17235	35.32	PK	H	42.98	10.82	25.99	63.13	57.13	74	16.87
17235	25.07	AV	H	42.98	10.82	25.99	52.88	46.88	54	7.12
4312	34.72	PK	H	29.50	5.14	26.74	42.62	36.62	74	37.38
4312	23.51	AV	H	29.50	5.14	26.74	31.41	25.41	54	28.59
6585	34.28	PK	H	33.55	6.12	26.48	47.47	41.47	74	32.53
6585	23.56	AV	H	33.55	6.12	26.48	36.75	30.75	54	23.25
400.54	41.01	QP	H	16.12	1.64	28.23	30.54	30.54	46.00	15.46
500.45	37.75	QP	H	18.10	1.61	28.82	28.64	28.64	46.00	17.36
Middle Channel:5785 MHz										
5785	80.79	PK	H	32.64	5.77	0.00	119.2	113.2	N/A	N/A
5785	69.91	AV	H	32.64	5.77	0.00	108.32	102.32	N/A	N/A
5785	78.15	PK	V	32.64	5.77	0.00	116.56	110.56	N/A	N/A
5785	66.77	AV	V	32.64	5.77	0.00	105.18	99.18	N/A	N/A
11570	35.03	PK	H	38.03	8.21	26.00	55.27	49.27	74	24.73
11570	24.10	AV	H	38.03	8.21	26.00	44.34	38.34	54	15.66
17355	34.84	PK	H	43.53	11.03	26.16	63.24	57.24	74	16.76
17355	24.37	AV	H	43.53	11.03	26.16	52.77	46.77	54	7.23
4356	35.40	PK	H	29.57	5.17	26.76	43.38	37.38	74	36.62
4356	23.21	AV	H	29.57	5.17	26.76	31.19	25.19	54	28.81
6625	33.87	PK	H	33.63	6.12	26.46	47.16	41.16	74	32.84
6625	22.76	AV	H	33.63	6.12	26.46	36.05	30.05	54	23.95
400.54	41.08	QP	H	16.12	1.64	28.23	30.61	30.61	46.00	15.39
500.45	38.04	QP	H	18.10	1.61	28.82	28.93	28.93	46.00	17.07

High Channel:5825 MHz										
5825	81.15	PK	H	32.69	5.81	0.00	119.65	113.65	N/A	N/A
5825	70.94	AV	H	32.69	5.81	0.00	109.44	103.44	N/A	N/A
5825	77.05	PK	V	32.69	5.81	0.00	115.55	109.55	N/A	N/A
5825	66.67	AV	V	32.69	5.81	0.00	105.17	99.17	N/A	N/A
5850	40.38	PK	H	32.72	5.83	0.00	78.93	72.93	122.2	49.27
5855	39.68	PK	H	32.73	5.83	0.00	78.24	72.24	110.8	38.56
5875	26.08	PK	H	32.75	5.85	0.00	64.68	58.68	105.2	46.52
5925	26.68	PK	H	32.81	5.89	0.00	65.38	59.38	68.2	8.82
11650	35.05	PK	H	38.06	8.20	25.98	55.33	49.33	74	24.67
11650	24.20	AV	H	38.06	8.20	25.98	44.48	38.48	54	15.52
17475	34.14	PK	H	44.09	11.23	26.33	63.13	57.13	74	16.87
17475	22.31	AV	H	44.09	11.23	26.33	51.3	45.3	54	8.7
4423	34.14	PK	H	29.68	5.22	26.80	42.24	36.24	74	37.76
4423	23.66	AV	H	29.68	5.22	26.80	31.76	25.76	54	28.24
6635	34.60	PK	H	33.64	6.11	26.46	47.89	41.89	74	32.11
6635	23.21	AV	H	33.64	6.11	26.46	36.5	30.5	54	23.5
400.54	41.19	QP	H	16.12	1.64	28.23	30.72	30.72	46.00	15.28
500.45	37.09	QP	H	18.10	1.61	28.82	27.98	27.98	46.00	18.02

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	80.00	PK	H	32.59	5.74	0.00	118.33	112.33	N/A	N/A
5745	68.87	AV	H	32.59	5.74	0.00	107.2	101.2	N/A	N/A
5745	76.78	PK	V	32.59	5.74	0.00	115.11	109.11	N/A	N/A
5745	66.19	AV	V	32.59	5.74	0.00	104.52	98.52	N/A	N/A
5725	46.37	PK	H	32.57	5.72	0.00	84.66	78.66	122.2	43.54
5720	39.89	PK	H	32.56	5.71	0.00	78.16	72.16	110.8	38.64
5700	27.57	PK	H	32.54	5.70	0.00	65.81	59.81	105.2	45.39
5650	27.00	PK	H	32.48	5.65	0.00	65.13	59.13	68.2	9.07
11490	35.30	PK	H	37.99	8.22	26.02	55.49	49.49	74	24.51
11490	23.08	AV	H	37.99	8.22	26.02	43.27	37.27	54	16.73
17235	34.78	PK	H	42.98	10.82	25.99	62.59	56.59	74	17.41
17235	24.41	AV	H	42.98	10.82	25.99	52.22	46.22	54	7.78
4055	34.69	PK	H	29.09	4.96	26.58	42.16	36.16	74	37.84
4055	23.74	AV	H	29.09	4.96	26.58	31.21	25.21	54	28.79
6378	34.44	PK	H	33.28	6.09	26.56	47.25	41.25	74	32.75
6378	23.75	AV	H	33.28	6.09	26.56	36.56	30.56	54	23.44
400.54	40.28	QP	H	16.12	1.64	28.23	29.81	29.81	46.00	16.19
500.45	37.88	QP	H	18.10	1.61	28.82	28.77	28.77	46.00	17.23
Middle Channel:5785 MHz										
5785	80.24	PK	H	32.64	5.77	0.00	118.65	112.65	N/A	N/A
5785	69.06	AV	H	32.64	5.77	0.00	107.47	101.47	N/A	N/A
5785	76.85	PK	V	32.64	5.77	0.00	115.26	109.26	N/A	N/A
5785	66.14	AV	V	32.64	5.77	0.00	104.55	98.55	N/A	N/A
11570	34.97	PK	H	38.03	8.21	26.00	55.21	49.21	74	24.79
11570	23.66	AV	H	38.03	8.21	26.00	43.9	37.9	54	16.1
17355	34.86	PK	H	43.53	11.03	26.16	63.26	57.26	74	16.74
17355	24.18	AV	H	43.53	11.03	26.16	52.58	46.58	54	7.42
4125	35.08	PK	H	29.20	5.01	26.63	42.66	36.66	74	37.34
4125	23.50	AV	H	29.20	5.01	26.63	31.08	25.08	54	28.92
6423	34.78	PK	H	33.32	6.10	26.55	47.65	41.65	74	32.35
6423	23.47	AV	H	33.32	6.10	26.55	36.34	30.34	54	23.66
400.54	40.45	QP	H	16.12	1.64	28.23	29.98	29.98	46.00	16.02
500.45	37.71	QP	H	18.10	1.61	28.82	28.60	28.60	46.00	17.40

High Channel:5825 MHz										
5825	81.47	PK	H	32.69	5.81	0.00	119.97	113.97	N/A	N/A
5825	70.85	AV	H	32.69	5.81	0.00	109.35	103.35	N/A	N/A
5825	78.66	PK	V	32.69	5.81	0.00	117.16	111.16	N/A	N/A
5825	67.99	AV	V	32.69	5.81	0.00	106.49	100.49	N/A	N/A
5850	39.17	PK	H	32.72	5.83	0.00	77.72	71.72	122.2	50.48
5855	38.38	PK	H	32.73	5.83	0.00	76.94	70.94	110.8	39.86
5875	27.52	PK	H	32.75	5.85	0.00	66.12	60.12	105.2	45.08
5925	26.74	PK	H	32.81	5.89	0.00	65.44	59.44	68.2	8.76
11650	35.55	PK	H	38.06	8.20	25.98	55.83	49.83	74	24.17
11650	23.74	AV	H	38.06	8.20	25.98	44.02	38.02	54	15.98
17475	34.09	PK	H	44.09	11.23	26.33	63.08	57.08	74	16.92
17475	23.71	AV	H	44.09	11.23	26.33	52.7	46.7	54	7.3
4156	34.89	PK	H	29.25	5.03	26.64	42.53	36.53	74	37.47
4156	24.22	AV	H	29.25	5.03	26.64	31.86	25.86	54	28.14
6487	34.34	PK	H	33.39	6.13	26.53	47.33	41.33	74	32.67
6487	22.88	AV	H	33.39	6.13	26.53	35.87	29.87	54	24.13
400.54	40.53	QP	H	16.12	1.64	28.23	30.06	30.06	46.00	15.94
500.45	38.08	QP	H	18.10	1.61	28.82	28.97	28.97	46.00	17.03

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	77.02	PK	H	32.61	5.74	0.00	115.37	109.37	N/A	N/A
5755	66.50	AV	H	32.61	5.74	0.00	104.85	98.85	N/A	N/A
5755	71.95	PK	V	32.61	5.74	0.00	110.3	104.3	N/A	N/A
5755	61.67	AV	V	32.61	5.74	0.00	100.02	94.02	N/A	N/A
5725	44.09	PK	H	32.57	5.72	0.00	82.38	76.38	122.2	45.82
5720	41.41	PK	H	32.56	5.71	0.00	79.68	73.68	110.8	37.12
5700	37.96	PK	H	32.54	5.70	0.00	76.2	70.2	105.2	35
5650	26.35	PK	H	32.48	5.65	0.00	64.48	58.48	68.2	9.72
11510	34.63	PK	H	38.00	8.22	26.02	54.83	48.83	74	25.17
11510	23.72	AV	H	38.00	8.22	26.02	43.92	37.92	54	16.08
17265	35.52	PK	H	43.12	10.88	26.04	63.48	57.48	74	16.52
17265	24.15	AV	H	43.12	10.88	26.04	52.11	46.11	54	7.89
3956	34.74	PK	H	28.82	4.85	26.55	41.86	35.86	74	38.14
3956	24.03	AV	H	28.82	4.85	26.55	31.15	25.15	54	28.85
6152	34.50	PK	H	33.05	6.01	26.62	46.94	40.94	74	33.06
6152	23.15	AV	H	33.05	6.01	26.62	35.59	29.59	54	24.41
400.54	41.05	QP	H	16.12	1.64	28.23	30.58	30.58	46.00	15.42
500.45	38.35	QP	H	18.10	1.61	28.82	29.24	29.24	46.00	16.76
High Channel:5795 MHz										
5795	77.64	PK	H	32.65	5.78	0.00	116.07	110.07	N/A	N/A
5795	66.92	AV	H	32.65	5.78	0.00	105.35	99.35	N/A	N/A
5795	72.82	PK	V	32.65	5.78	0.00	111.25	105.25	N/A	N/A
5795	62.04	AV	V	32.65	5.78	0.00	100.47	94.47	N/A	N/A
5850	33.55	PK	H	32.72	5.83	0.00	72.1	66.1	122.2	56.1
5855	32.13	PK	H	32.73	5.83	0.00	70.69	64.69	110.8	46.11
5875	25.78	PK	H	32.75	5.85	0.00	64.38	58.38	105.2	46.82
5925	27.16	PK	H	32.81	5.89	0.00	65.86	59.86	68.2	8.34
11590	35.08	PK	H	38.04	8.21	25.99	55.34	49.34	74	24.66
11590	23.07	AV	H	38.04	8.21	25.99	43.33	37.33	54	16.67
17385	34.89	PK	H	43.67	11.08	26.21	63.43	57.43	74	16.57
17385	24.28	AV	H	43.67	11.08	26.21	52.82	46.82	54	7.18
4022	34.81	PK	H	29.04	4.94	26.56	42.23	36.23	74	37.77
4022	23.56	AV	H	29.04	4.94	26.56	30.98	24.98	54	29.02
6145	34.53	PK	H	33.05	6.01	26.62	46.97	40.97	74	33.03
6145	23.36	AV	H	33.05	6.01	26.62	35.8	29.8	54	24.2
400.54	41.12	QP	H	16.12	1.64	28.23	30.65	30.65	46.00	15.35
500.45	38.64	QP	H	18.10	1.61	28.82	29.53	29.53	46.00	16.47

802.11n ac80 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:5775 MHz										
5775	75.59	PK	H	32.63	5.76	0.00	113.98	107.98	N/A	N/A
5775	62.73	AV	H	32.63	5.76	0.00	101.12	95.12	N/A	N/A
5775	71.78	PK	V	32.63	5.76	0.00	110.17	104.17	N/A	N/A
5775	59.54	AV	V	32.63	5.76	0.00	97.93	91.93	N/A	N/A
5725	44.83	PK	H	32.57	5.72	0.00	83.12	77.12	122.2	45.08
5720	44.06	PK	H	32.56	5.71	0.00	82.33	76.33	110.8	34.47
5700	39.03	PK	H	32.54	5.70	0.00	77.27	71.27	105.2	33.93
5650	28.37	PK	H	32.48	5.65	0.00	66.5	60.5	68.2	7.7
5850	38.60	PK	H	32.72	5.83	0.00	77.15	71.15	122.2	51.05
5855	37.43	PK	H	32.73	5.83	0.00	75.99	69.99	110.8	40.81
5875	31.30	PK	H	32.75	5.85	0.00	69.9	63.9	105.2	41.3
5925	26.31	PK	H	32.81	5.89	0.00	65.01	59.01	68.2	9.19
11550	34.66	PK	H	38.02	8.21	26.01	54.88	48.88	74	25.12
11550	23.76	AV	H	38.02	8.21	26.01	43.98	37.98	54	16.02
17325	34.38	PK	H	43.40	10.98	26.12	62.64	56.64	74	17.36
17325	24.43	AV	H	43.40	10.98	26.12	52.69	46.69	54	7.31
3365	37.48	PK	H	26.24	3.98	26.54	41.16	35.16	74	38.84
3365	25.90	AV	H	26.24	3.98	26.54	29.58	23.58	54	30.42
400.54	41.23	QP	H	16.12	1.64	28.23	30.76	30.76	46.00	15.24
500.45	37.69	QP	H	18.10	1.61	28.82	28.58	28.58	46.00	17.42

3TX:
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	81.21	PK	H	32.59	5.74	0.00	119.54	113.54	N/A	N/A
5745	70.89	AV	H	32.59	5.74	0.00	109.22	103.22	N/A	N/A
5745	81.72	PK	V	32.59	5.74	0.00	120.05	114.05	N/A	N/A
5745	72.18	AV	V	32.59	5.74	0.00	110.51	104.51	N/A	N/A
5725	34.52	PK	V	32.57	5.72	0.00	72.81	66.81	122.2	55.39
5720	32.48	PK	V	32.56	5.71	0.00	70.75	64.75	110.8	46.05
5700	24.45	PK	V	32.54	5.70	0.00	62.69	56.69	105.2	48.51
5650	24.10	PK	V	32.48	5.65	0.00	62.23	56.23	68.2	11.97
11490	33.06	PK	V	37.99	8.22	26.02	53.25	47.25	74	26.75
11490	22.22	AV	V	37.99	8.22	26.02	42.41	36.41	54	17.59
17235	33.85	PK	V	42.98	10.82	25.99	61.66	55.66	74	18.34
17235	22.31	AV	V	42.98	10.82	25.99	50.12	44.12	54	9.88
1853	34.19	PK	V	24.66	2.94	26.68	35.11	29.11	74	44.89
1853	23.07	AV	V	24.66	2.94	26.68	23.99	17.99	54	36.01
4526	34.19	PK	V	29.88	5.26	26.85	42.48	36.48	74	37.52
4526	22.96	AV	V	29.88	5.26	26.85	31.25	25.25	54	28.75
400.54	40.35	QP	H	16.12	1.64	28.23	29.88	29.88	46.00	16.12
500.45	37.89	QP	H	18.10	1.61	28.82	28.78	28.78	46.00	17.22
Middle Channel:5785 MHz										
5785	81.09	PK	H	32.64	5.77	0.00	119.5	113.5	N/A	N/A
5785	70.54	AV	H	32.64	5.77	0.00	108.95	102.95	N/A	N/A
5785	83.25	PK	V	32.64	5.77	0.00	121.66	115.66	N/A	N/A
5785	72.71	AV	V	32.64	5.77	0.00	111.12	105.12	N/A	N/A
11570	32.85	PK	V	38.03	8.21	26.00	53.09	47.09	74	26.91
11570	21.93	AV	V	38.03	8.21	26.00	42.17	36.17	54	17.83
17355	33.38	PK	V	43.53	11.03	26.16	61.78	55.78	74	18.22
17355	22.17	AV	V	43.53	11.03	26.16	50.57	44.57	54	9.43
1625	33.52	PK	V	24.30	2.77	26.45	34.14	28.14	74	45.86
1625	22.09	AV	V	24.30	2.77	26.45	22.71	16.71	54	37.29
4352	34.81	PK	V	29.56	5.17	26.76	42.78	36.78	74	37.22
4352	23.54	AV	V	29.56	5.17	26.76	31.51	25.51	54	28.49
400.54	40.52	QP	H	16.12	1.64	28.23	30.05	30.05	46.00	15.95
500.45	37.72	QP	H	18.10	1.61	28.82	28.61	28.61	46.00	17.39

High Channel:5825 MHz										
5825	80.93	PK	H	32.69	5.81	0.00	119.43	113.43	N/A	N/A
5825	70.37	AV	H	32.69	5.81	0.00	108.87	102.87	N/A	N/A
5825	82.75	PK	V	32.69	5.81	0.00	121.25	115.25	N/A	N/A
5825	72.82	AV	V	32.69	5.81	0.00	111.32	105.32	N/A	N/A
5850	41.37	PK	V	32.72	5.83	0.00	79.92	73.92	122.2	48.28
5855	39.63	PK	V	32.73	5.83	0.00	78.19	72.19	110.8	38.61
5875	26.02	PK	V	32.75	5.85	0.00	64.62	58.62	105.2	46.58
5925	27.42	PK	V	32.81	5.89	0.00	66.12	60.12	68.2	8.08
11650	32.86	PK	V	38.06	8.20	25.98	53.14	47.14	74	26.86
11650	23.08	AV	V	38.06	8.20	25.98	43.36	37.36	54	16.64
17475	33.06	PK	V	44.09	11.23	26.33	62.05	56.05	74	17.95
17475	20.72	AV	V	44.09	11.23	26.33	49.71	43.71	54	10.29
1623	33.79	PK	V	24.30	2.76	26.45	34.4	28.4	74	45.6
1623	22.98	AV	V	24.30	2.76	26.45	23.59	17.59	54	36.41
4258	35.44	PK	V	29.41	5.10	26.70	43.25	37.25	74	36.75
4258	23.63	AV	V	29.41	5.10	26.70	31.44	25.44	54	28.56
400.54	40.6	QP	H	16.12	1.64	28.23	30.13	30.13	46.00	15.87
500.45	38.09	QP	H	18.10	1.61	28.82	28.98	28.98	46.00	17.02

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	80.47	PK	H	32.59	5.74	0.00	118.8	112.8	N/A	N/A
5745	69.69	AV	H	32.59	5.74	0.00	108.02	102.02	N/A	N/A
5745	83.16	PK	V	32.59	5.74	0.00	121.49	115.49	N/A	N/A
5745	72.12	AV	V	32.59	5.74	0.00	110.45	104.45	N/A	N/A
5725	45.35	PK	V	32.57	5.72	0.00	83.64	77.64	122.2	44.56
5720	43.98	PK	V	32.56	5.71	0.00	82.25	76.25	110.8	34.55
5700	27.72	PK	V	32.54	5.70	0.00	65.96	59.96	105.2	45.24
5650	26.83	PK	V	32.48	5.65	0.00	64.96	58.96	68.2	9.24
11490	32.88	PK	V	37.99	8.22	26.02	53.07	47.07	74	26.93
11490	21.86	AV	V	37.99	8.22	26.02	42.05	36.05	54	17.95
17235	33.44	PK	V	42.98	10.82	25.99	61.25	55.25	74	18.75
17235	22.97	AV	V	42.98	10.82	25.99	50.78	44.78	54	9.22
2213	36.67	PK	V	24.18	3.02	26.85	37.02	31.02	74	42.98
4127	25.00	AV	V	29.20	5.01	26.63	32.58	26.58	54	27.42
6187	33.58	PK	V	33.09	6.02	26.61	46.08	40.08	74	33.92
6187	22.55	AV	V	33.09	6.02	26.61	35.05	29.05	54	24.95
400.54	41.12	QP	H	16.12	1.64	28.23	30.65	30.65	46.00	15.35
500.45	38.36	QP	H	18.10	1.61	28.82	29.25	29.25	46.00	16.75
Middle Channel:5785 MHz										
5785	80.27	PK	H	32.64	5.77	0.00	118.68	112.68	N/A	N/A
5785	69.86	AV	H	32.64	5.77	0.00	108.27	102.27	N/A	N/A
5785	82.64	PK	V	32.64	5.77	0.00	121.05	115.05	N/A	N/A
5785	71.95	AV	V	32.64	5.77	0.00	110.36	104.36	N/A	N/A
11570	33.35	PK	V	38.03	8.21	26.00	53.59	47.59	74	26.41
11570	22.71	AV	V	38.03	8.21	26.00	42.95	36.95	54	17.05
17355	33.54	PK	V	43.53	11.03	26.16	61.94	55.94	74	18.06
17355	21.79	AV	V	43.53	11.03	26.16	50.19	44.19	54	9.81
1756	33.56	PK	V	24.51	2.86	26.58	34.35	28.35	74	45.65
1756	22.79	AV	V	24.51	2.86	26.58	23.58	17.58	54	36.42
4595	34.63	PK	V	30.10	5.22	26.86	43.09	37.09	74	36.91
4595	22.93	AV	V	30.10	5.22	26.86	31.39	25.39	54	28.61
400.54	41.19	QP	H	16.12	1.64	28.23	30.72	30.72	46.00	15.28
500.45	38.65	QP	H	18.10	1.61	28.82	29.54	29.54	46.00	16.46

High Channel:5825 MHz										
5825	80.01	PK	H	32.69	5.81	0.00	118.51	112.51	N/A	N/A
5825	69.77	AV	H	32.69	5.81	0.00	108.27	102.27	N/A	N/A
5825	82.24	PK	V	32.69	5.81	0.00	120.74	114.74	N/A	N/A
5825	71.68	AV	V	32.69	5.81	0.00	110.18	104.18	N/A	N/A
5850	42.89	PK	V	32.72	5.83	0.00	81.44	75.44	122.2	46.76
5855	38.80	PK	V	32.73	5.83	0.00	77.36	71.36	110.8	39.44
5875	26.13	PK	V	32.75	5.85	0.00	64.73	58.73	105.2	46.47
5925	27.38	PK	V	32.81	5.89	0.00	66.08	60.08	68.2	8.12
11650	33.17	PK	V	38.06	8.20	25.98	53.45	47.45	74	26.55
11650	22.28	AV	V	38.06	8.20	25.98	42.56	36.56	54	17.44
17475	33.13	PK	V	44.09	11.23	26.33	62.12	56.12	74	17.88
17475	21.71	AV	V	44.09	11.23	26.33	50.7	44.7	54	9.3
1663	33.70	PK	V	24.36	2.79	26.49	34.36	28.36	74	45.64
1663	23.14	AV	V	24.36	2.79	26.49	23.8	17.8	54	36.2
4358	35.40	PK	V	29.57	5.17	26.76	43.38	37.38	74	36.62
4358	23.54	AV	V	29.57	5.17	26.76	31.52	25.52	54	28.48
400.54	41.3	QP	H	16.12	1.64	28.23	30.83	30.83	46.00	15.17
500.45	37.7	QP	H	18.10	1.61	28.82	28.59	28.59	46.00	17.41

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	76.99	PK	H	32.61	5.74	0.00	115.34	109.34	N/A	N/A
5755	66.82	AV	H	32.61	5.74	0.00	105.17	99.17	N/A	N/A
5755	79.68	PK	V	32.61	5.74	0.00	118.03	112.03	N/A	N/A
5755	69.45	AV	V	32.61	5.74	0.00	107.8	101.8	N/A	N/A
5725	42.31	PK	V	32.57	5.72	0.00	80.6	74.6	122.2	47.6
5720	39.38	PK	V	32.56	5.71	0.00	77.65	71.65	110.8	39.15
5700	34.73	PK	V	32.54	5.70	0.00	72.97	66.97	105.2	38.23
5650	25.64	PK	V	32.48	5.65	0.00	63.77	57.77	68.2	10.43
11510	33.24	PK	V	38.00	8.22	26.02	53.44	47.44	74	26.56
11510	21.83	AV	V	38.00	8.22	26.02	42.03	36.03	54	17.97
17265	33.56	PK	V	43.12	10.88	26.04	61.52	55.52	74	18.48
17265	22.65	AV	V	43.12	10.88	26.04	50.61	44.61	54	9.39
1685	33.30	PK	V	24.40	2.81	26.51	34	28	74	46
1685	23.22	AV	V	24.40	2.81	26.51	23.92	17.92	54	36.08
4335	34.87	PK	V	29.54	5.15	26.75	42.81	36.81	74	37.19
4335	24.06	AV	V	29.54	5.15	26.75	32	26	54	28
400.54	41.28	QP	H	16.12	1.64	28.23	30.81	30.81	46.00	15.19
500.45	37.85	QP	H	18.10	1.61	28.82	28.74	28.74	46.00	17.26
High Channel:5795 MHz										
5795	75.88	PK	H	32.65	5.78	0.00	114.31	108.31	N/A	N/A
5795	65.54	AV	H	32.65	5.78	0.00	103.97	97.97	N/A	N/A
5795	78.57	PK	V	32.65	5.78	0.00	117	111	N/A	N/A
5795	68.45	AV	V	32.65	5.78	0.00	106.88	100.88	N/A	N/A
5850	32.51	PK	V	32.72	5.83	0.00	71.06	65.06	122.2	57.14
5855	30.84	PK	V	32.73	5.83	0.00	69.4	63.4	110.8	47.4
5875	26.41	PK	V	32.75	5.85	0.00	65.01	59.01	105.2	46.19
5925	26.20	PK	V	32.81	5.89	0.00	64.9	58.9	68.2	9.3
11590	32.81	PK	V	38.04	8.21	25.99	53.07	47.07	74	26.93
11590	22.90	AV	V	38.04	8.21	25.99	43.16	37.16	54	16.84
17385	33.23	PK	V	43.67	11.08	26.21	61.77	55.77	74	18.23
17385	21.74	AV	V	43.67	11.08	26.21	50.28	44.28	54	9.72
1822	34.39	PK	V	24.62	2.91	26.65	35.27	29.27	74	44.73
1822	23.20	AV	V	24.62	2.91	26.65	24.08	18.08	54	35.92
4629	34.47	PK	V	30.21	5.21	26.86	43.03	37.03	74	36.97
4629	23.36	AV	V	30.21	5.21	26.86	31.92	25.92	54	28.08
400.54	41.45	QP	H	16.12	1.64	28.23	30.98	30.98	46.00	15.02
500.45	37.68	QP	H	18.10	1.61	28.82	28.57	28.57	46.00	17.43

802.11n ac80 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:5775 MHz										
5775	73.77	PK	H	32.63	5.76	0.00	112.16	106.16	N/A	N/A
5775	60.52	AV	H	32.63	5.76	0.00	98.91	92.91	N/A	N/A
5775	76.75	PK	V	32.63	5.76	0.00	115.14	109.14	N/A	N/A
5775	62.70	AV	V	32.63	5.76	0.00	101.09	95.09	N/A	N/A
5725	42.64	PK	V	32.57	5.72	0.00	80.93	74.93	122.2	47.27
5720	41.83	PK	V	32.56	5.71	0.00	80.1	74.1	110.8	36.7
5700	36.05	PK	V	32.54	5.70	0.00	74.29	68.29	105.2	36.91
5650	27.19	PK	V	32.48	5.65	0.00	65.32	59.32	68.2	8.88
5850	33.65	PK	V	32.72	5.83	0.00	72.2	66.2	122.2	56
5855	30.73	PK	V	32.73	5.83	0.00	69.29	63.29	110.8	47.51
5875	28.75	PK	V	32.75	5.85	0.00	67.35	61.35	105.2	43.85
5925	26.37	PK	V	32.81	5.89	0.00	65.07	59.07	68.2	9.13
11550	33.28	PK	V	38.02	8.21	26.01	53.5	47.5	74	26.5
11550	21.79	AV	V	38.02	8.21	26.01	42.01	36.01	54	17.99
17325	33.49	PK	V	43.40	10.98	26.12	61.75	55.75	74	18.25
17325	22.27	AV	V	43.40	10.98	26.12	50.53	44.53	54	9.47
2035	34.81	PK	V	24.78	3.05	26.82	35.82	29.82	74	44.18
2035	23.39	AV	V	24.78	3.05	26.82	24.4	18.4	54	35.6
400.54	41.53	QP	H	16.12	1.64	28.23	31.06	31.06	46.00	14.94
500.45	38.05	QP	H	18.10	1.61	28.82	28.94	28.94	46.00	17.06

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

Temperature:	23.6~24.9 °C
Relative Humidity:	41 %
ATM Pressure:	100.8~101.6 kPa

The testing was performed by Lorin Bian from 2016-11-30 to 2016-12-08.

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	23.97
		Middle	5200	25.81
		High	5240	25.65
	5G 802.11 n20	Low	5180	24.05
		Middle	5200	26.93
		High	5240	27.09
	5G 802.11 n40	Low	5190	47.45
High		5230	46.49	
802.11 ac80	Middle	5210	88.18	
5250-5350MHz	802.11 a	Low	5260	24.05
		Middle	5280	23.49
		High	5320	23.25
	5G 802.11 n20	Low	5260	24.05
		Middle	5280	24.13
		High	5320	24.13
	5G 802.11 n40	Low	5270	46.33
		High	5310	44.41
	802.11 ac80	Middle	5290	87.54
5470-5725MHz	802.11 a	Low	5500	23.73
		Middle	5600	23.73
		High	5700	23.33
		Cross	5720	23.89
	5G 802.11 n20	Low	5500	23.49
		Middle	5600	24.05
		High	5700	23.01
		Cross	5720	23.89
	5G 802.11 n40	Low	5510	44.89
		Middle	5590	46.65
		High	5670	44.89
		Cross	5710	45.21
	802.11 ac80	Low	5530	87.21
		High	5610	88.81
		Cross	5690	88.18
5725-5850MHz	802.11 a	Low	5745	22.85
		Middle	5785	23.17
		High	5825	23.49
	802.11 n20	Low	5745	23.65
		Middle	5785	23.81
		High	5825	24.05
	802.11 n40	Low	5755	44.09
		High	5795	46.01
	802.11 ac80	Middle	5775	87.86

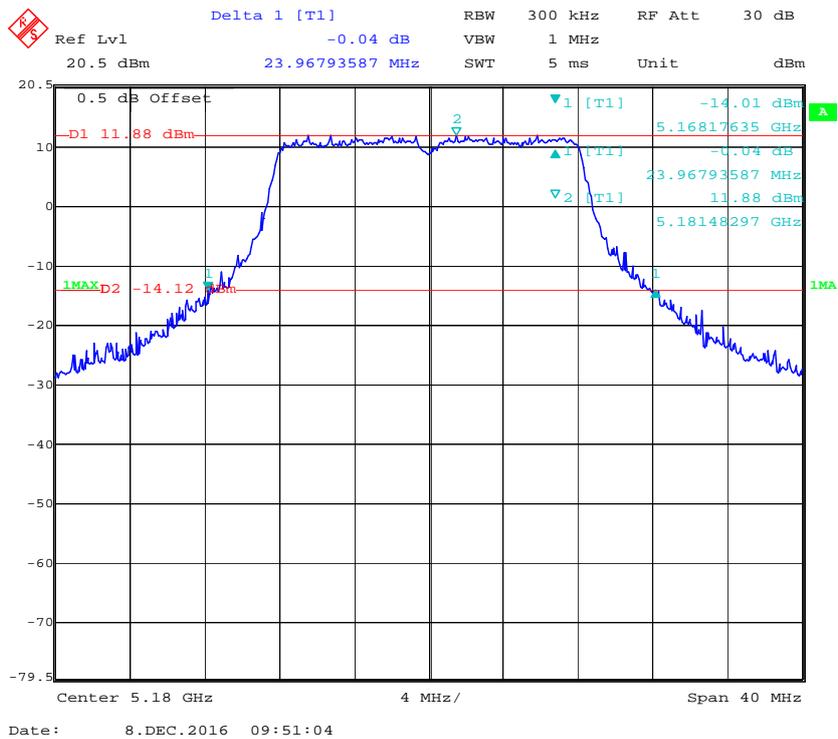
Note: 26dB bandwidth for 5725-5850MHz band only for reporting.

UNII Band	Mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limits (kHz)
5725-5850MHz	802.11 a	Low	5745	16.43	≥500
		Middle	5785	16.51	≥500
		High	5825	16.43	≥500
	5G 802.11 n20	Low	5745	17.64	≥500
		Middle	5785	17.64	≥500
		High	5825	17.64	≥500
	5G 802.11 n40	Low	5755	36.39	≥500
		High	5795	36.39	≥500
	802.11 ac80	Middle	5775	76.31	≥500

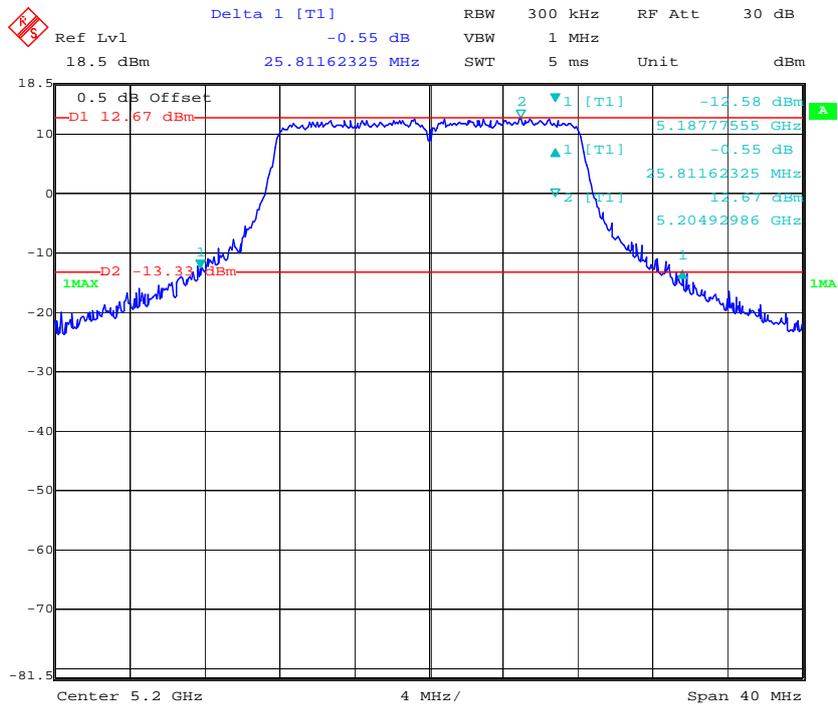
26dB Bandwidth:

5150-5250MHz:

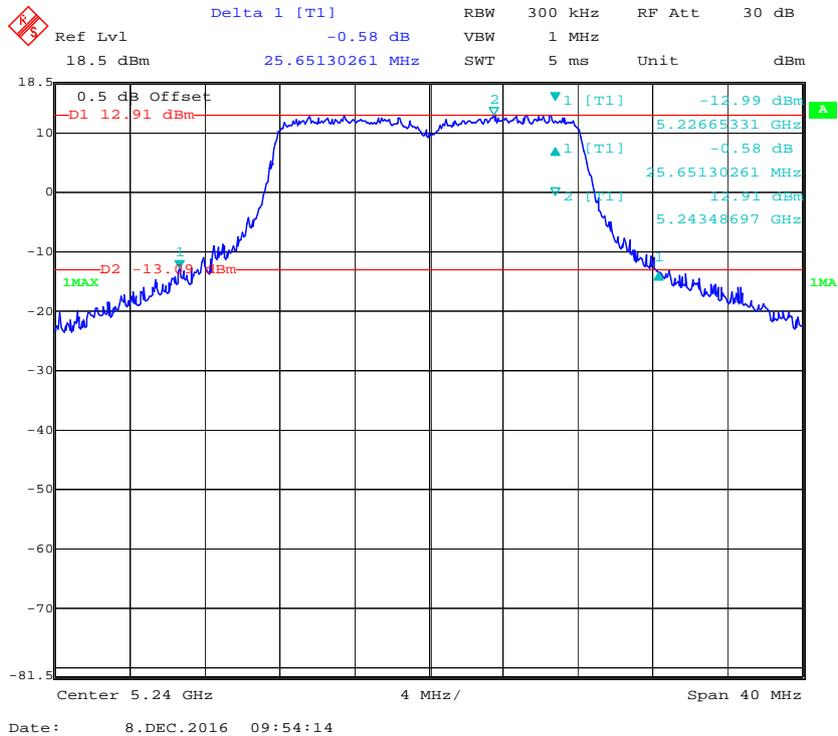
802.11a Low Channel



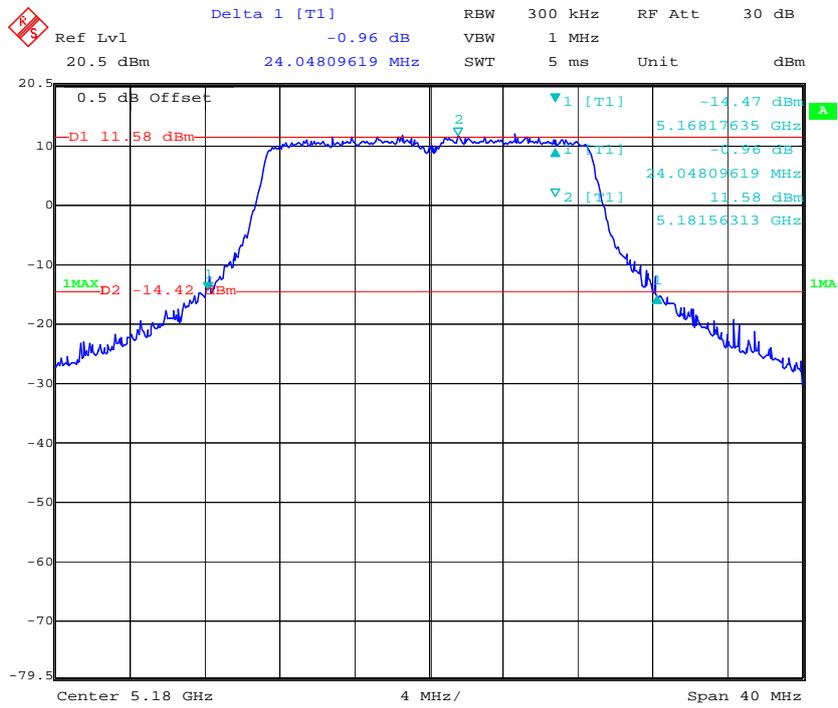
802.11a Middle Channel



802.11a High Channel

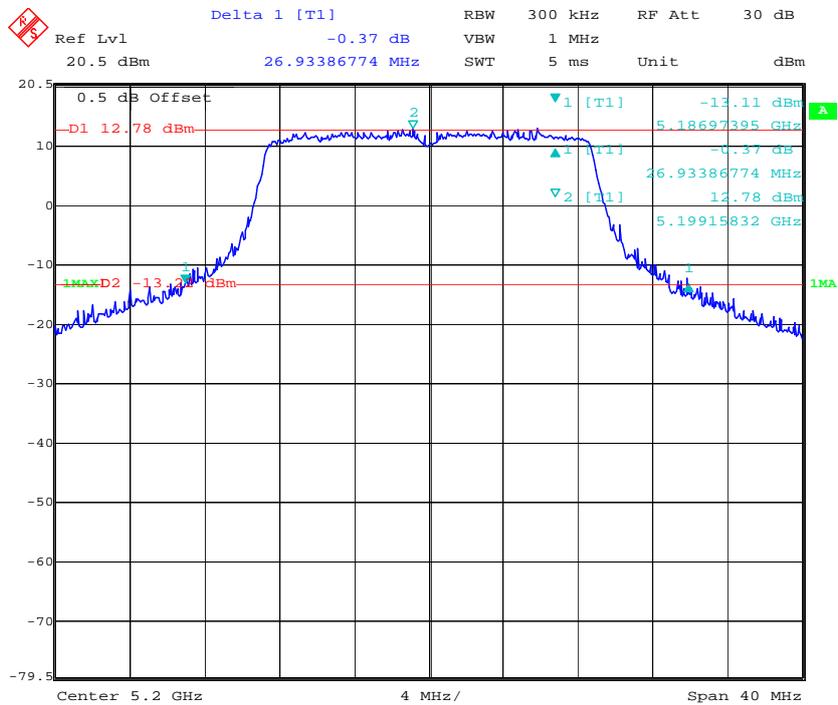


802.11n ht20 Low Channel



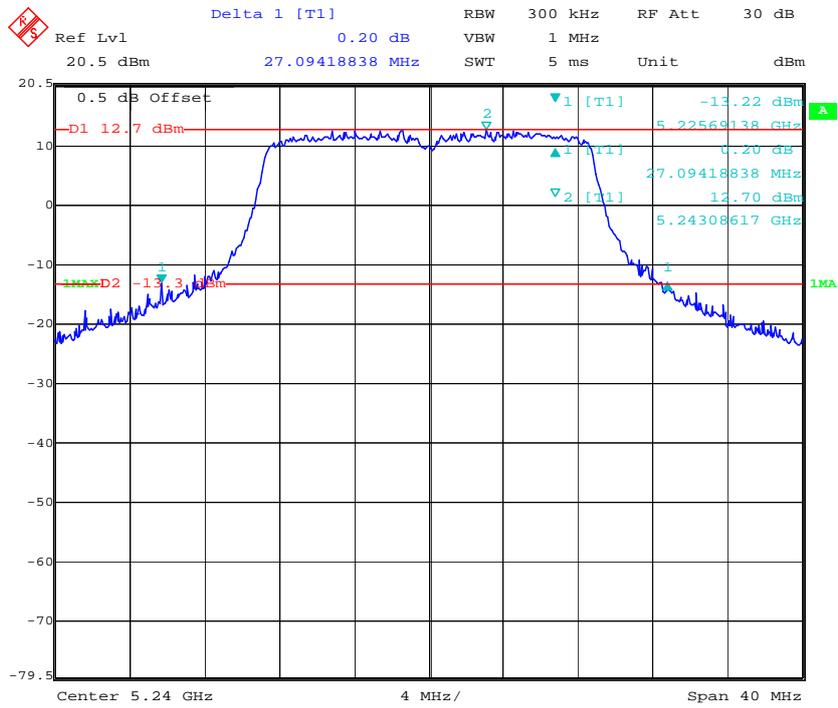
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802.11n ht20 Middle Channel

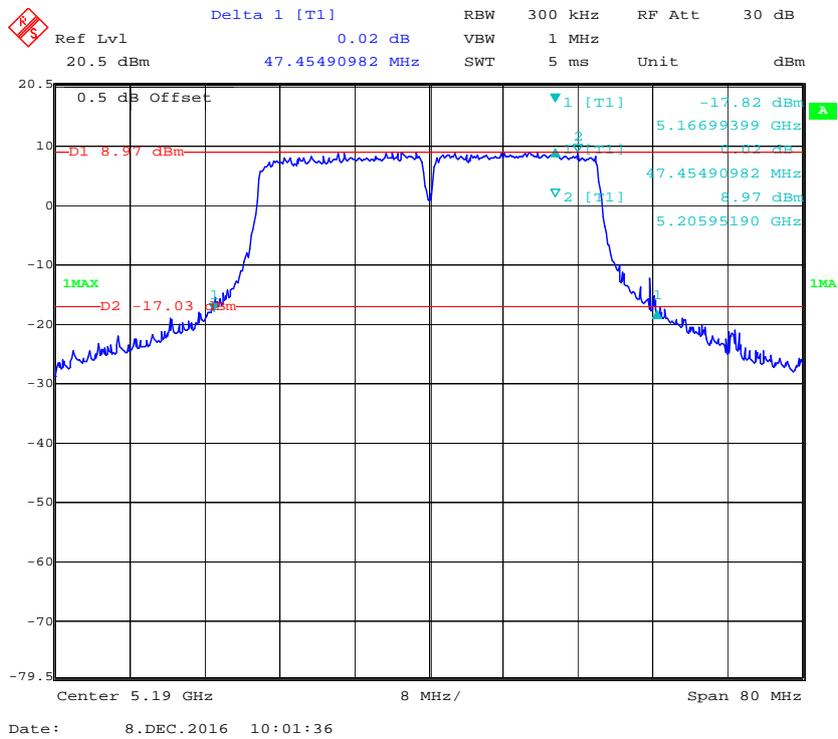


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802.11n ht20 High Channel

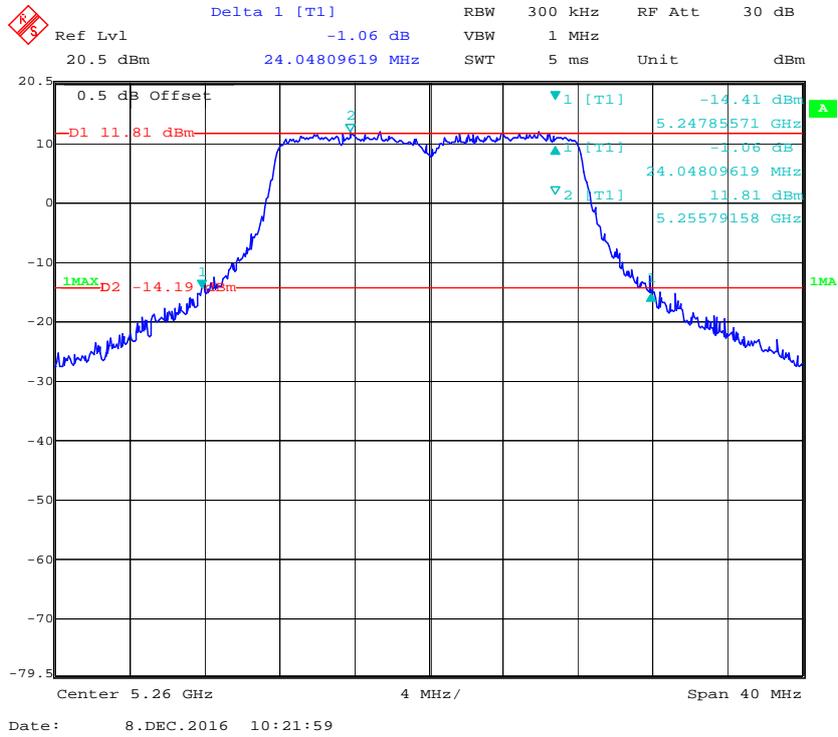


802.11n ht40 Low Channel

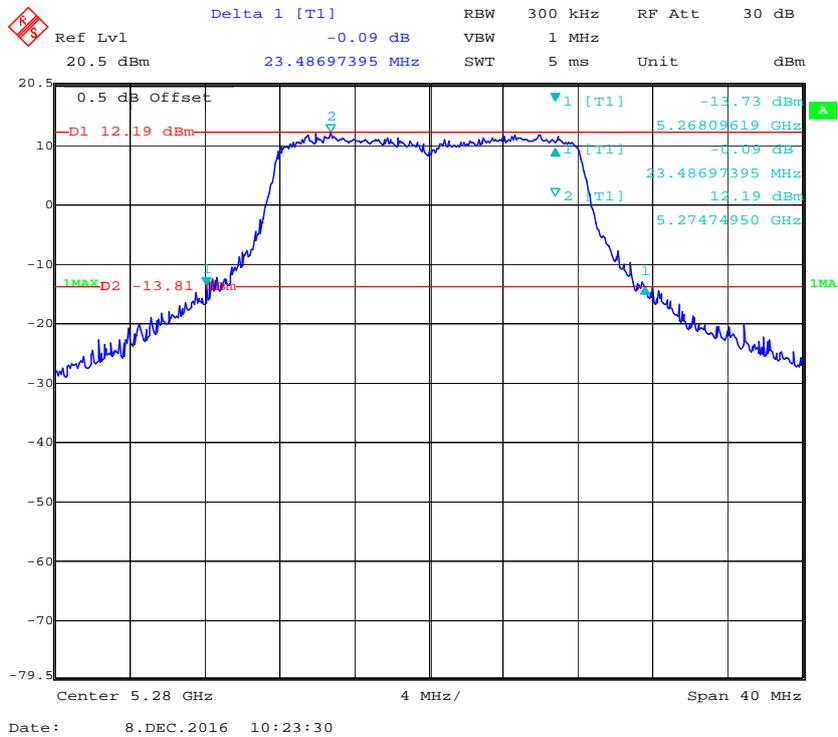


5250-5350MHz:

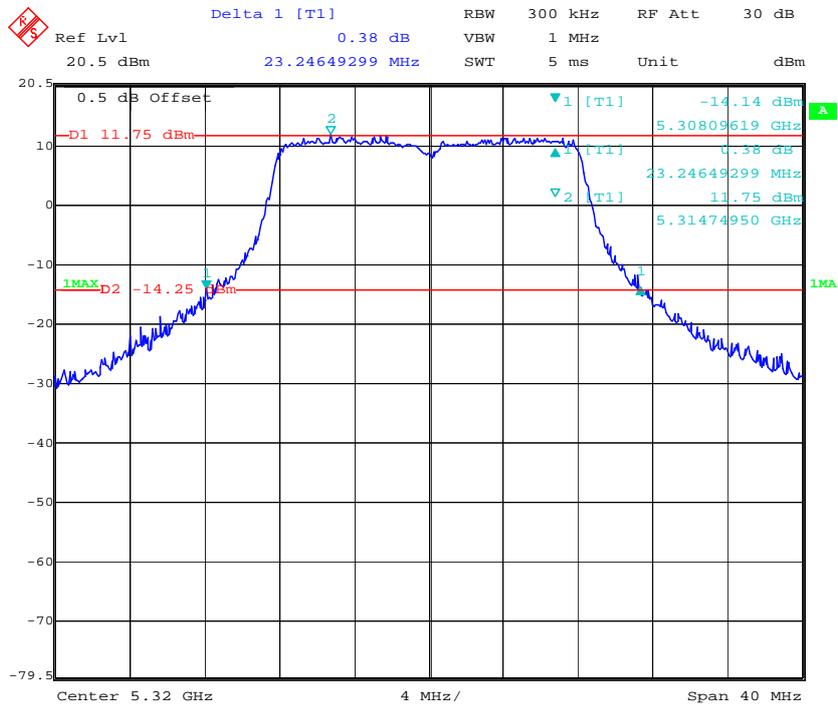
802.11a Low Channel



802.11a Middle Channel

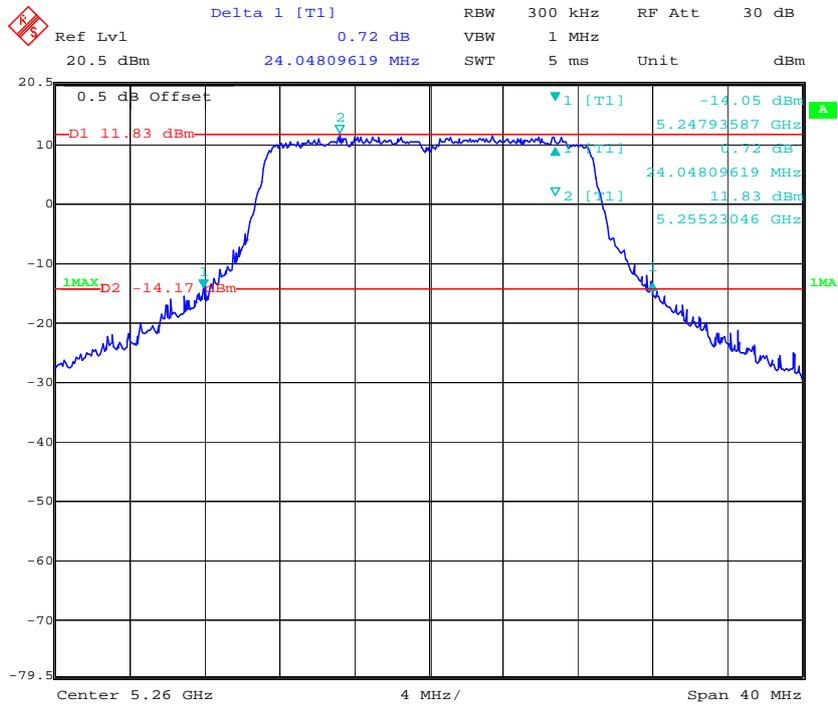


802.11a High Channel



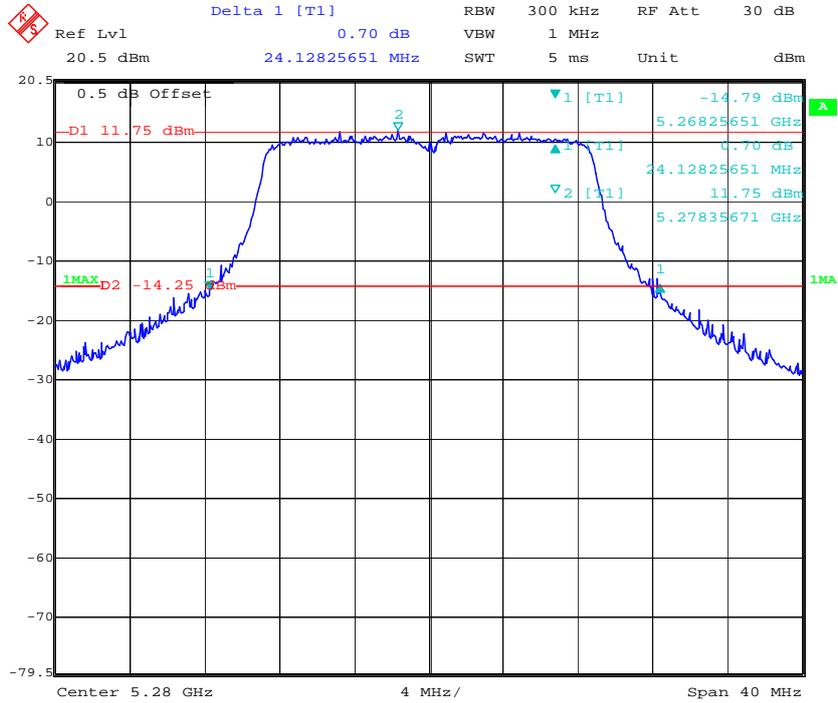
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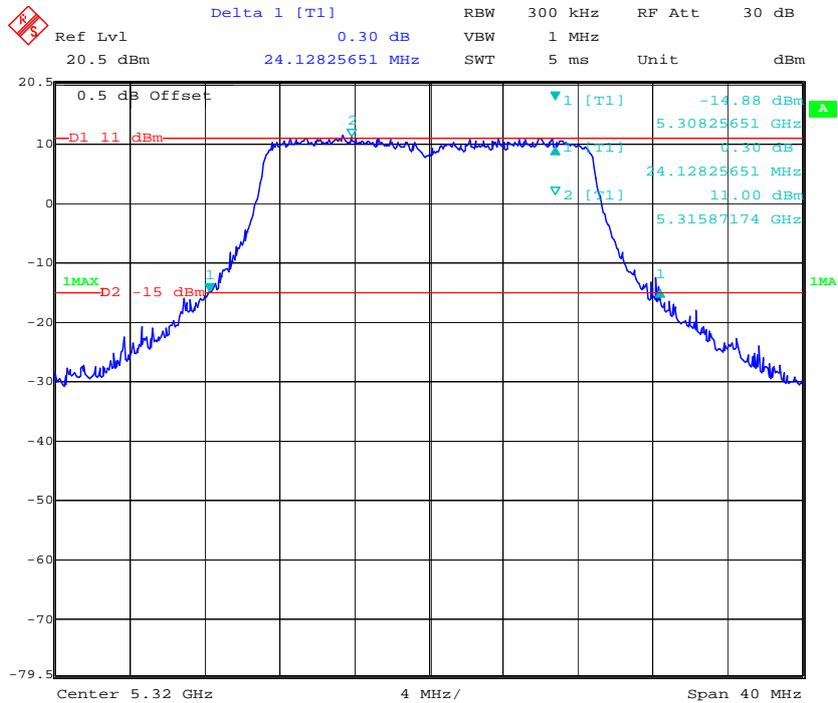
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802.11n ht20 Middle Channel



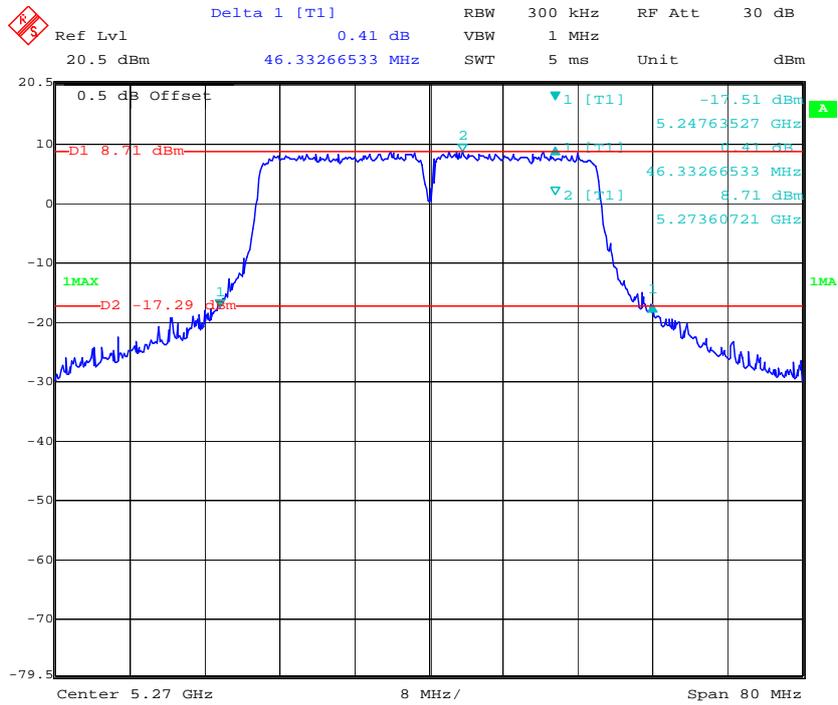
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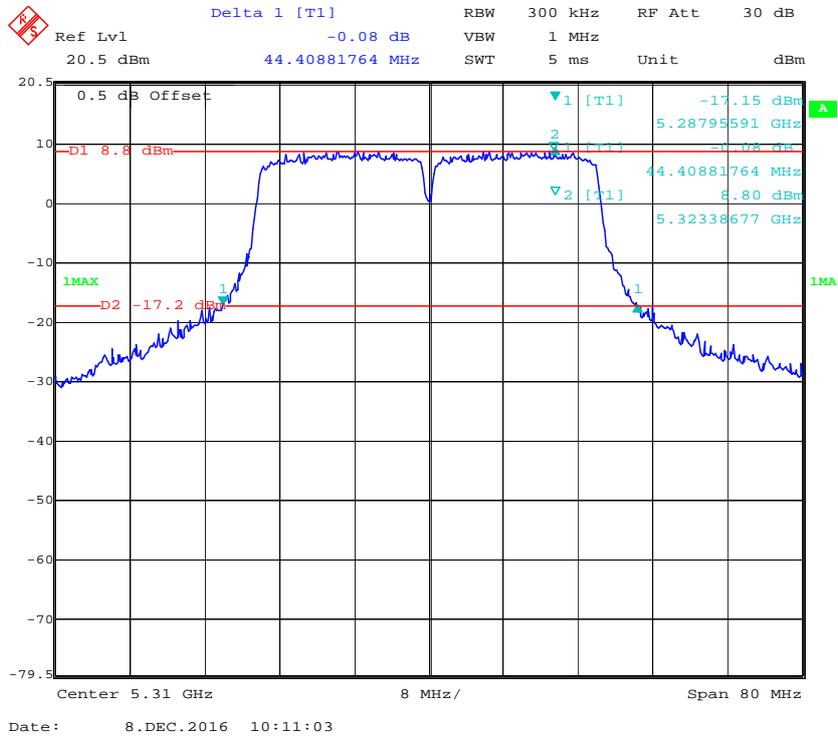


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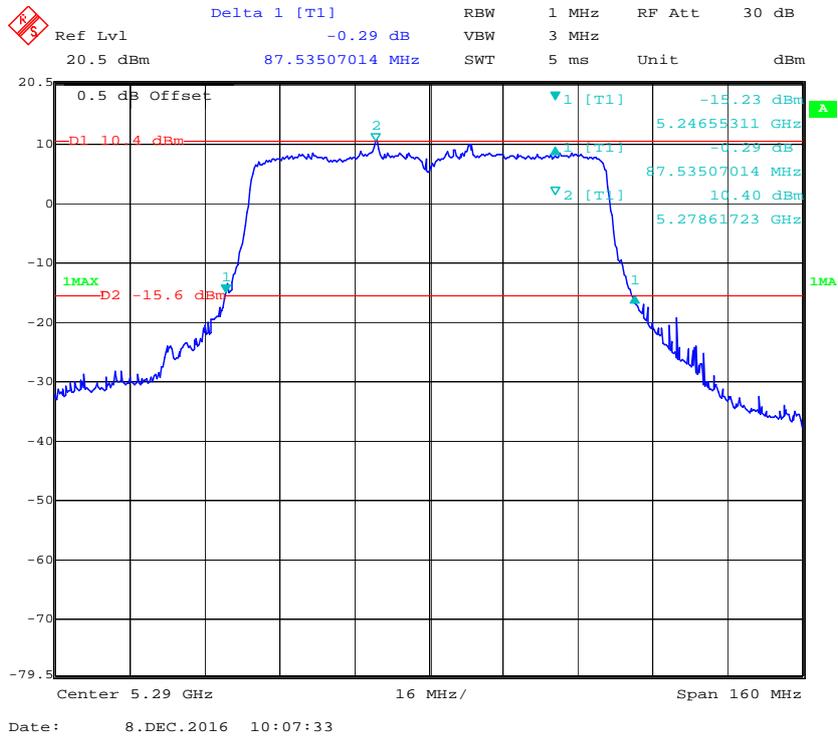
802.11n ht40 Low Channel



802.11n ht40 High Channel

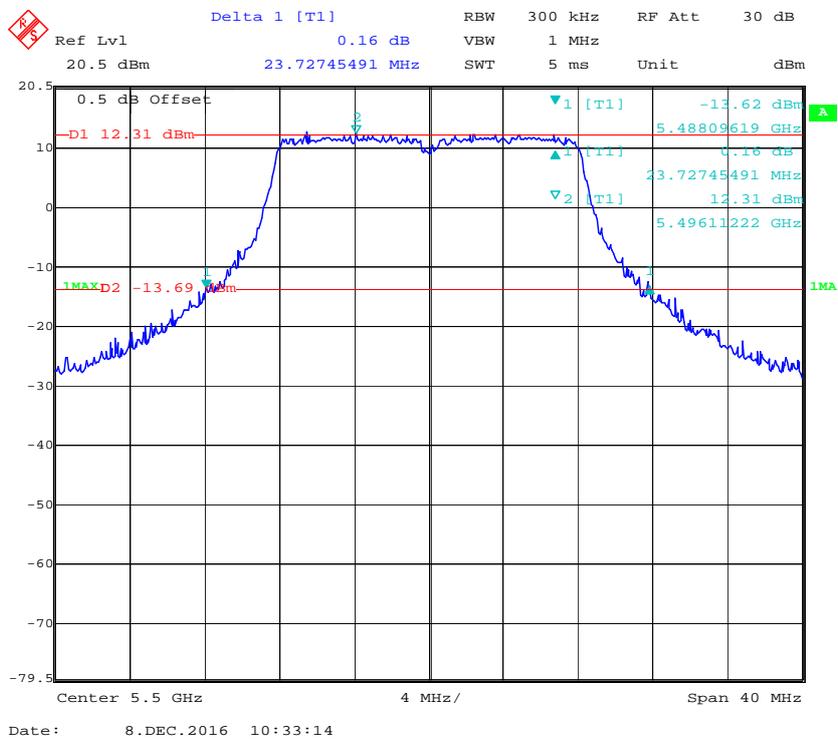


802.11ac80 Middle Channel

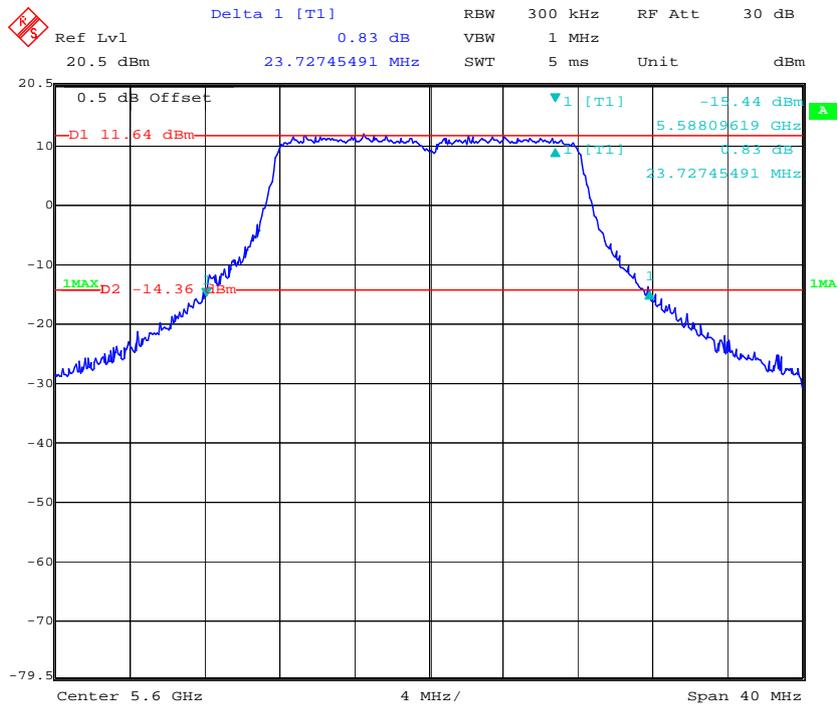


5470-5725MHz:

802.11a Low Channel

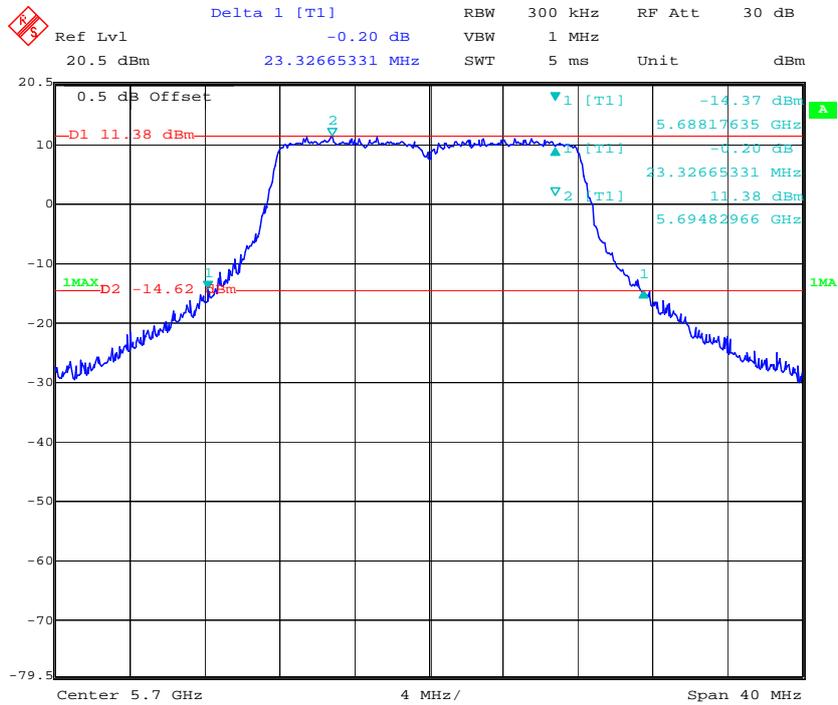


802.11a Middle Channel



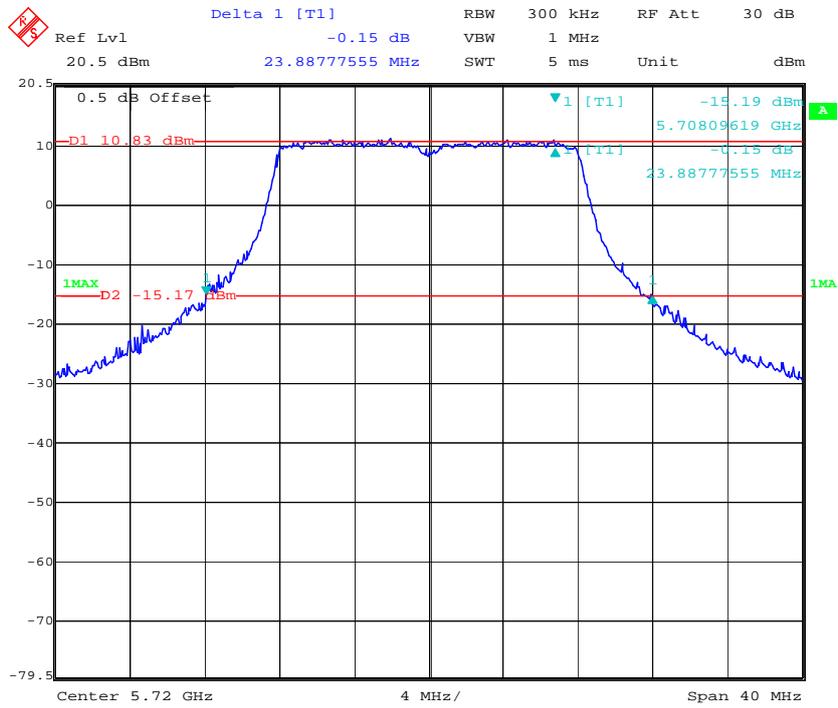
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802.11a High Channel

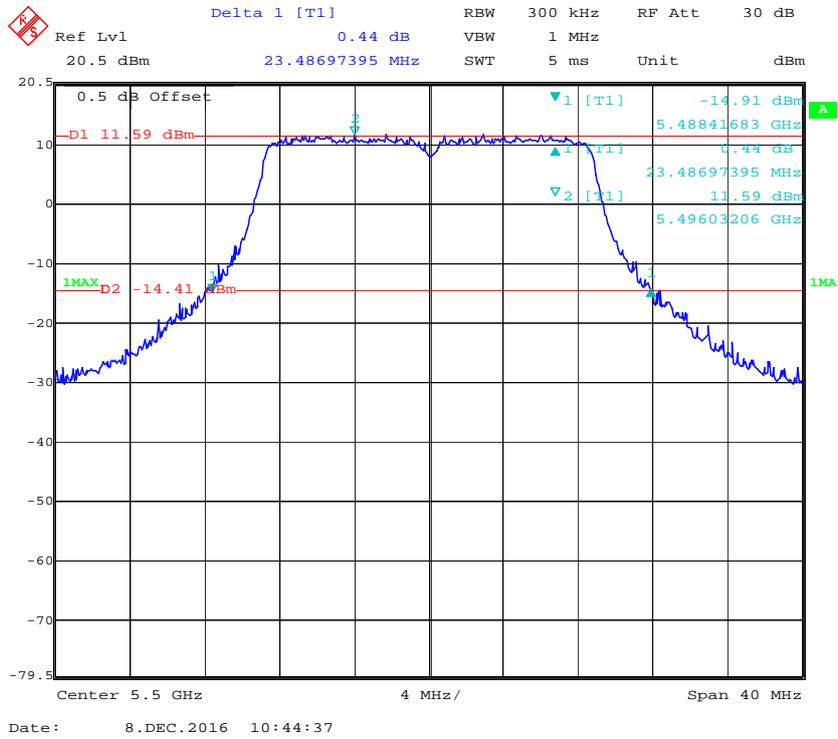


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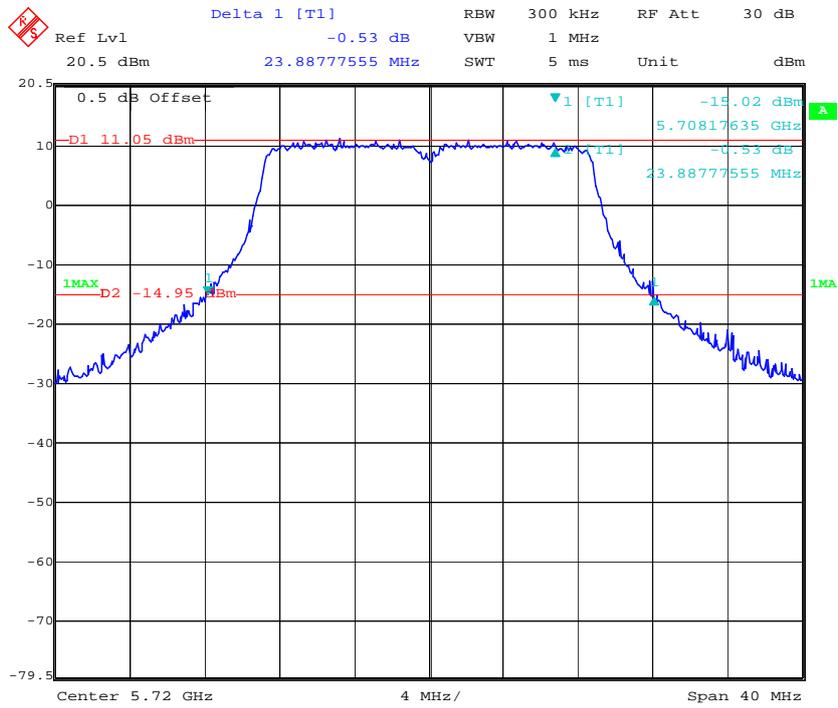
802.11a Crossed Channel



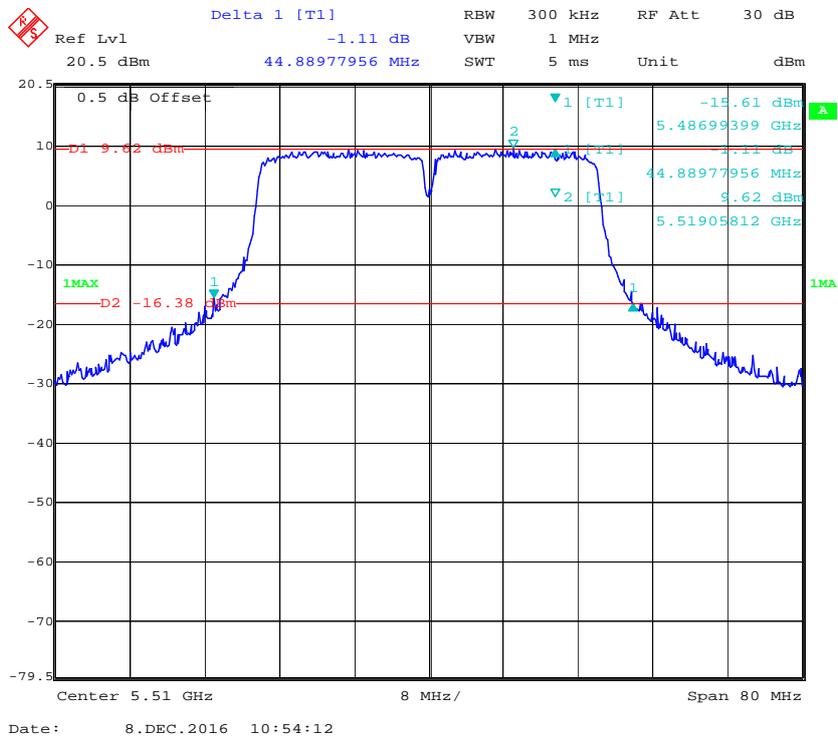
802.11n ht20 Low Channel



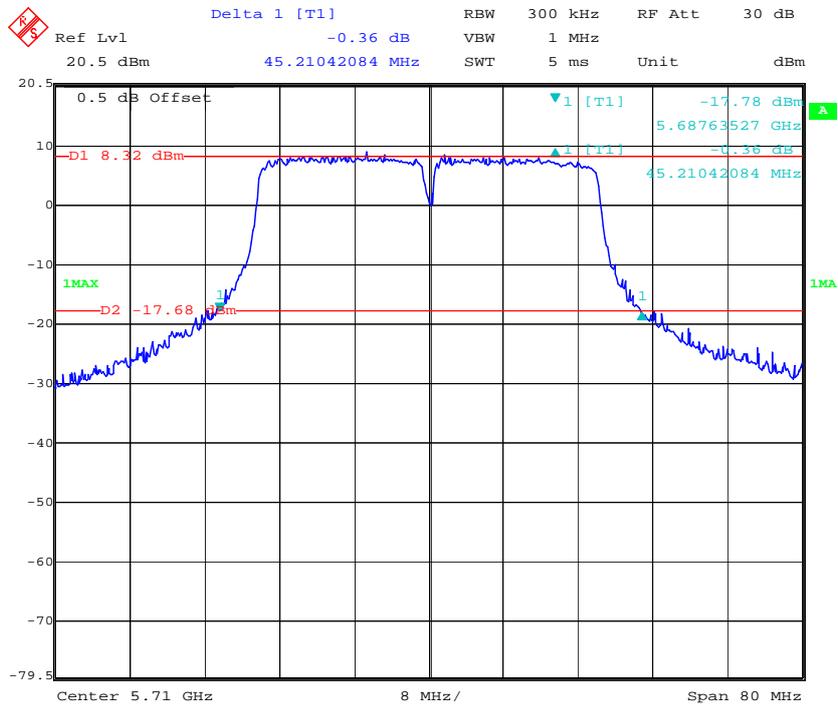
802.11n ht20 Crossed Channel



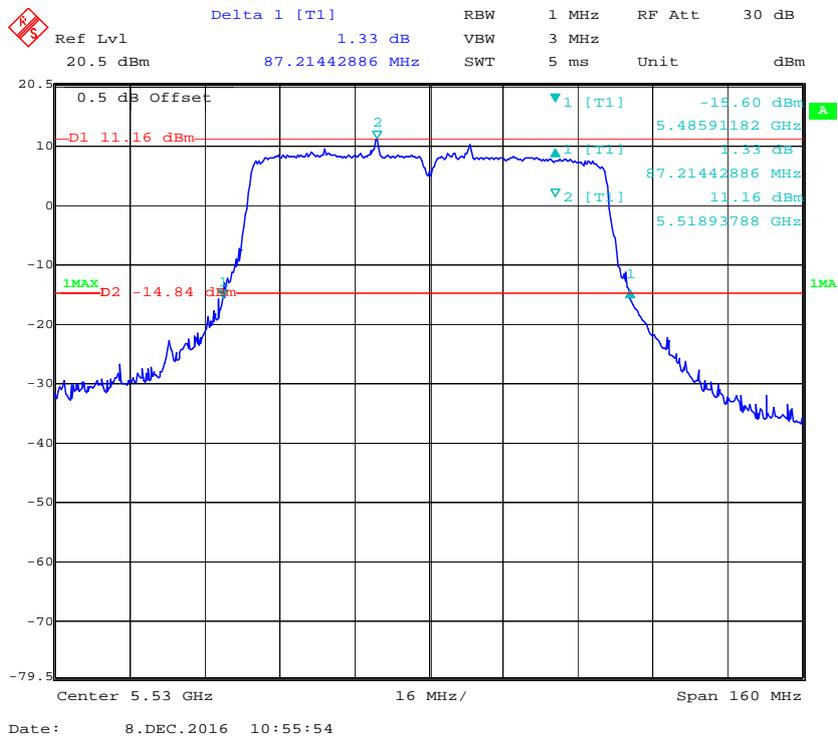
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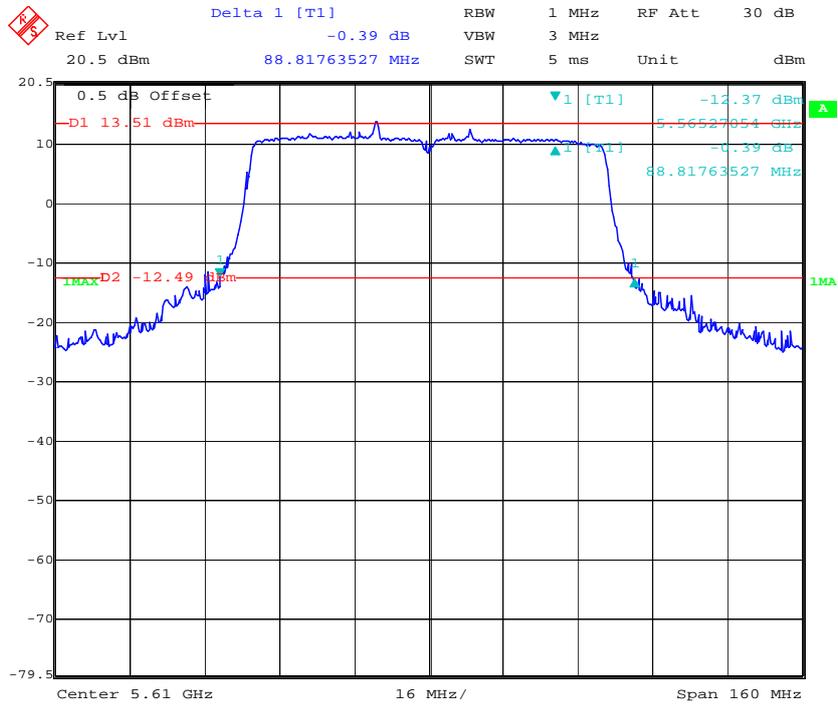
802.11n ht40 Crossed Channel



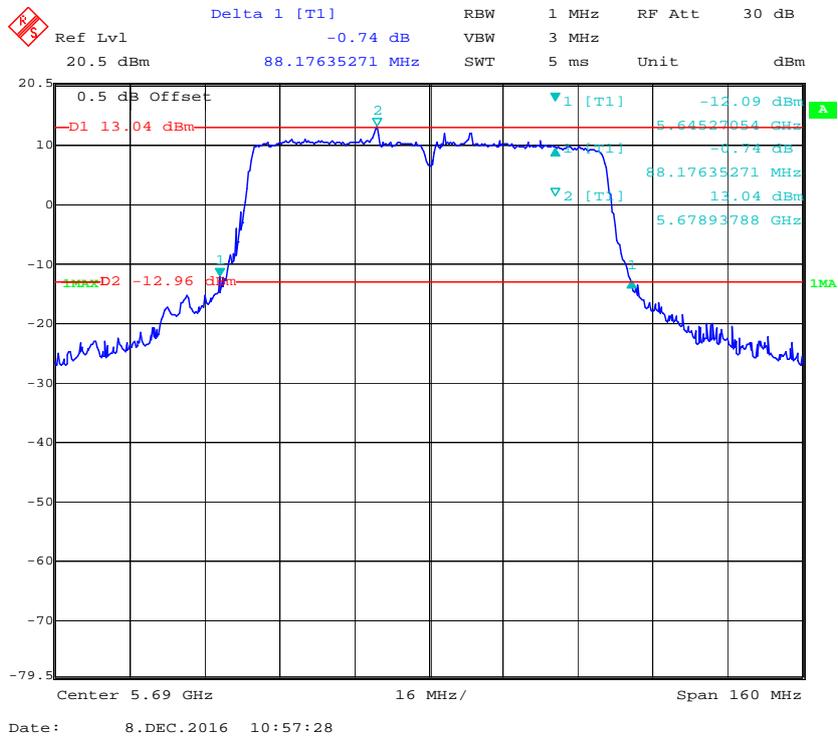
802.11ac80 Low Channel



802.11ac80 High Channel

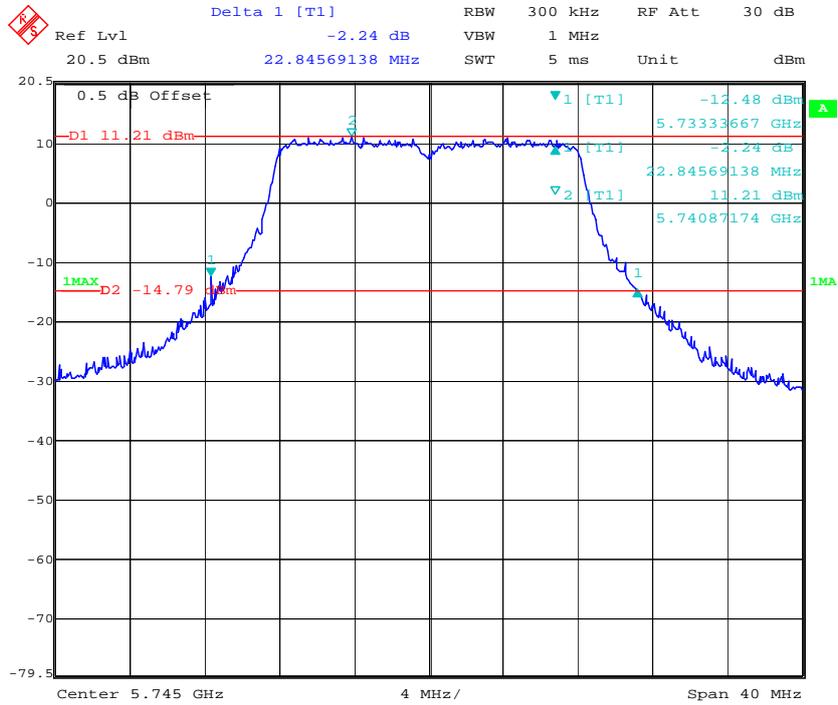


802.11ac80 Crossed Channel

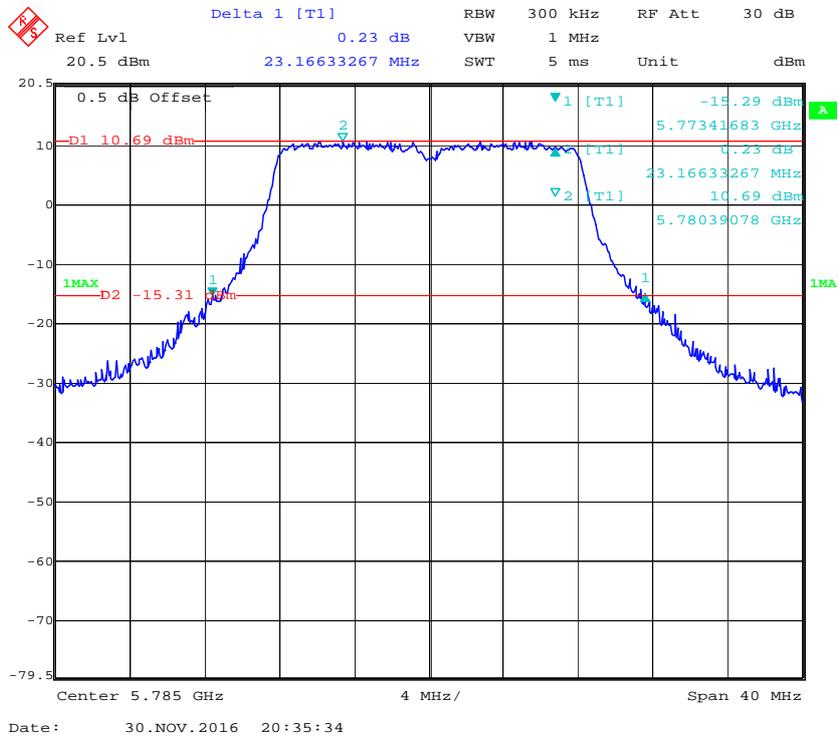


5725-5850MHz:

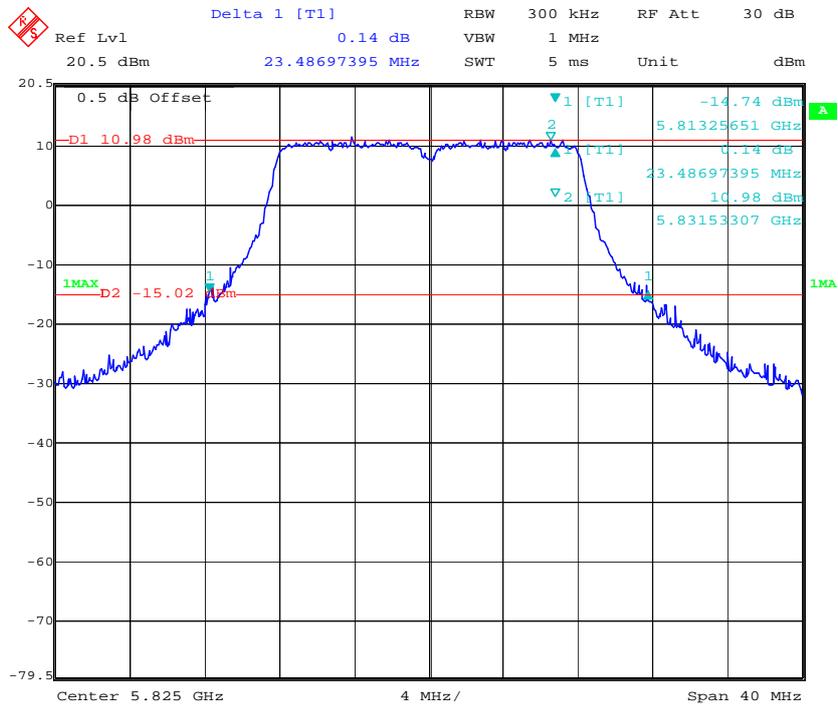
802.11a Low Channel



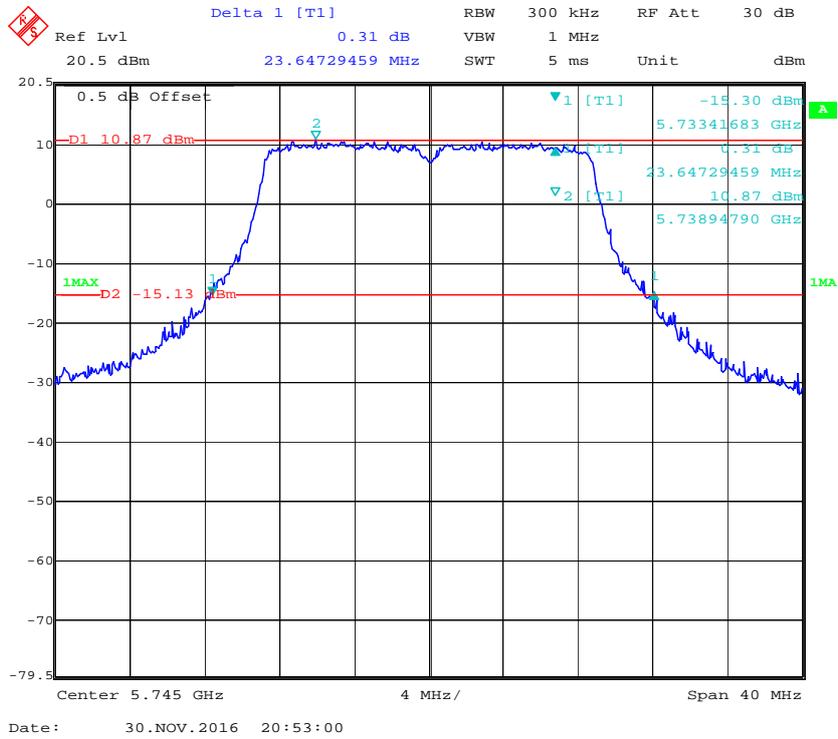
802.11a Middle Channel



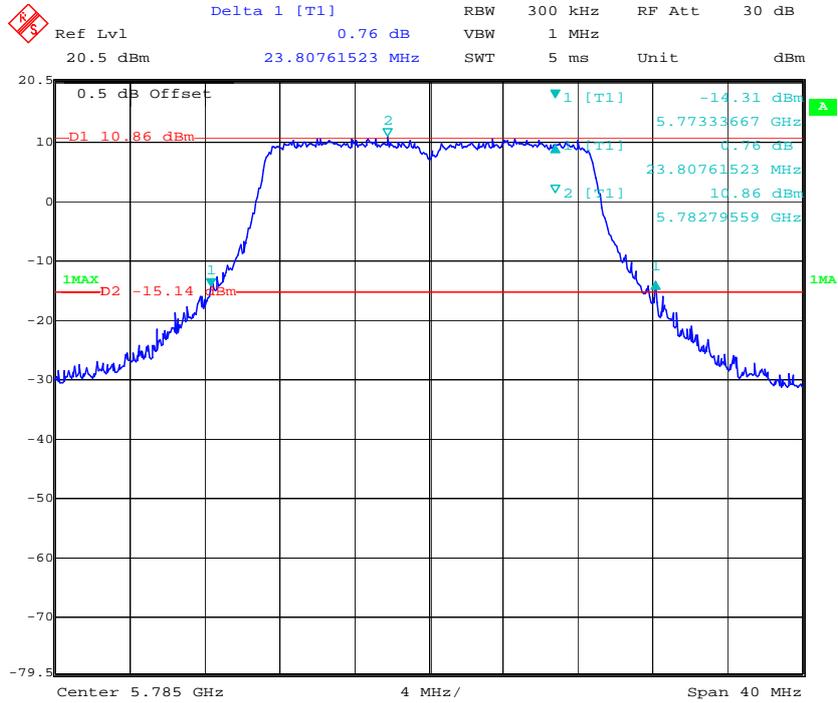
802.11a High Channel



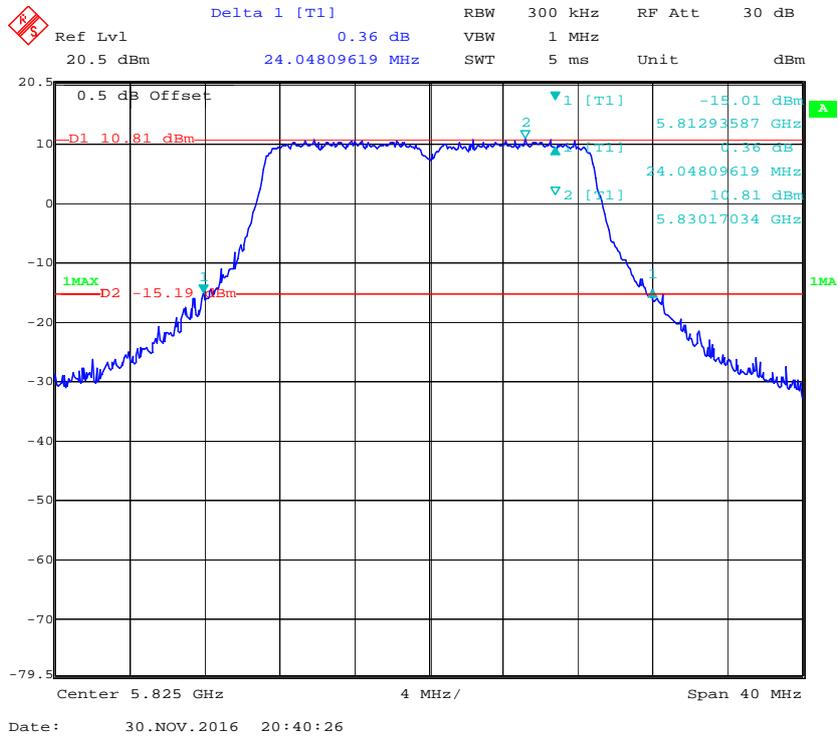
802.11n ht20 Low Channel



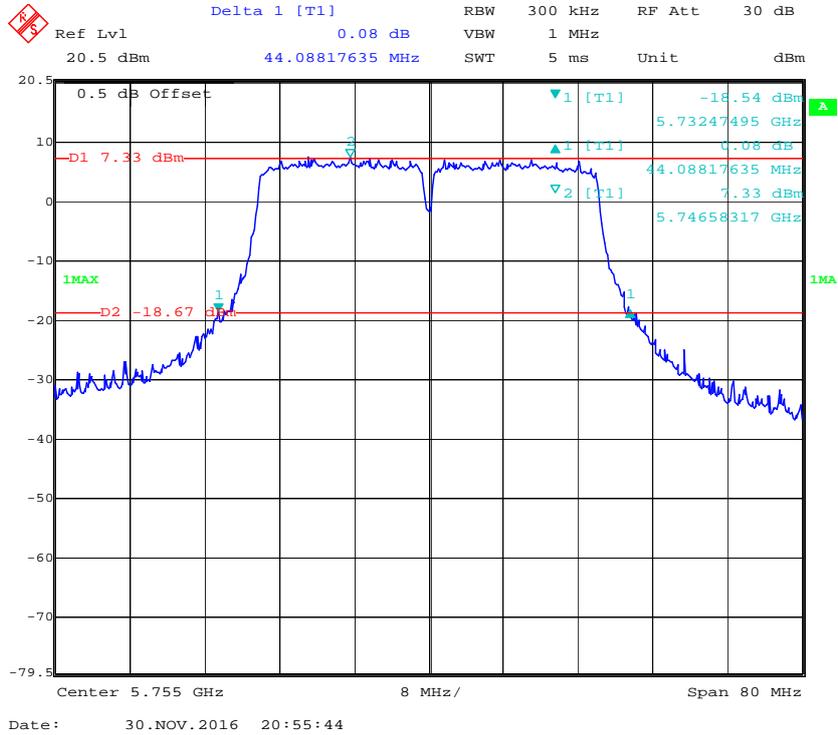
802.11n ht20 Middle Channel



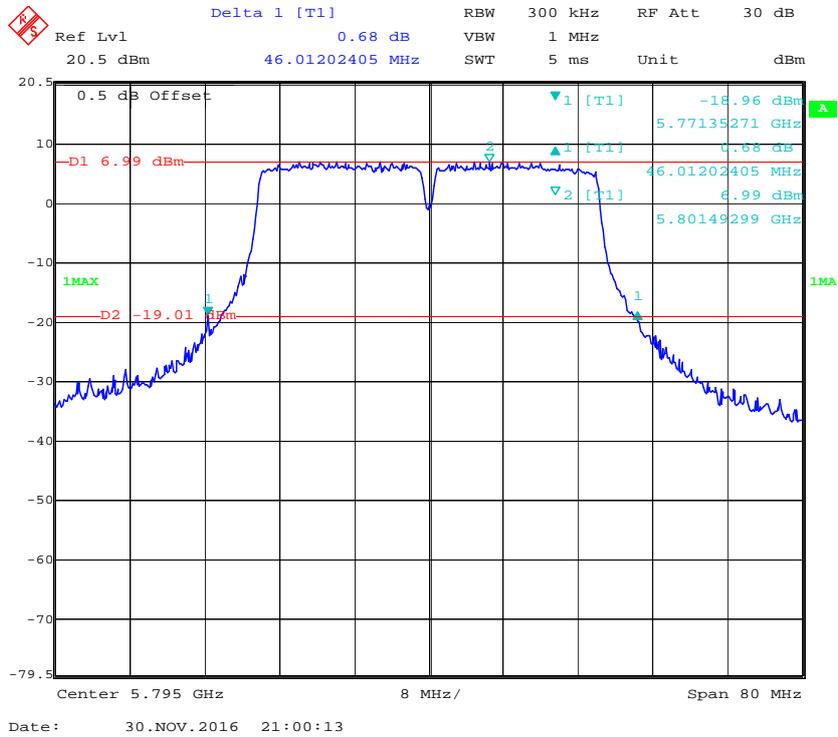
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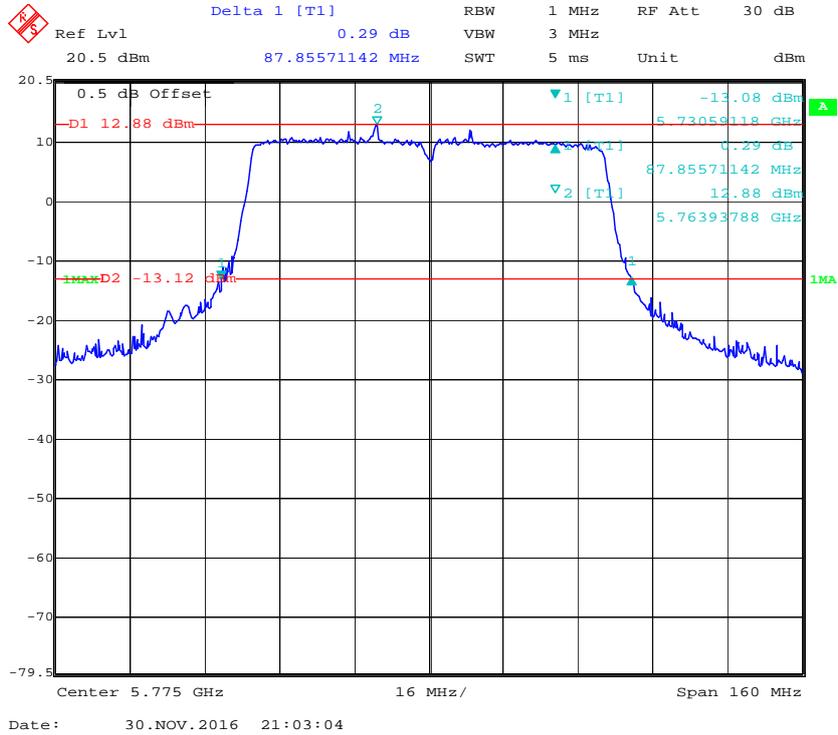
802.11n ht40 Low Channel



802.11n ht40 High Channel

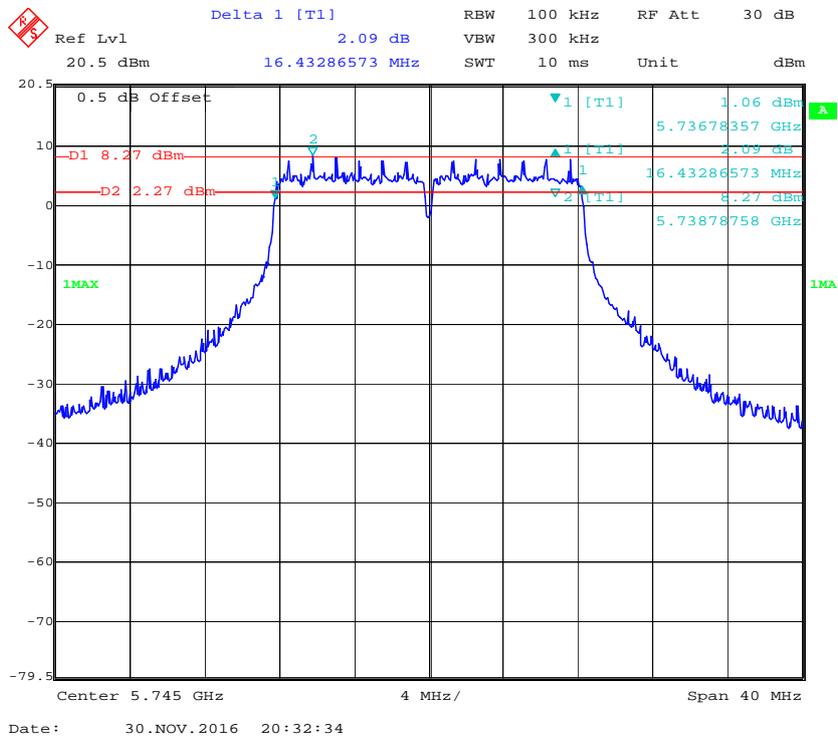


802.11ac80 Middle Channel

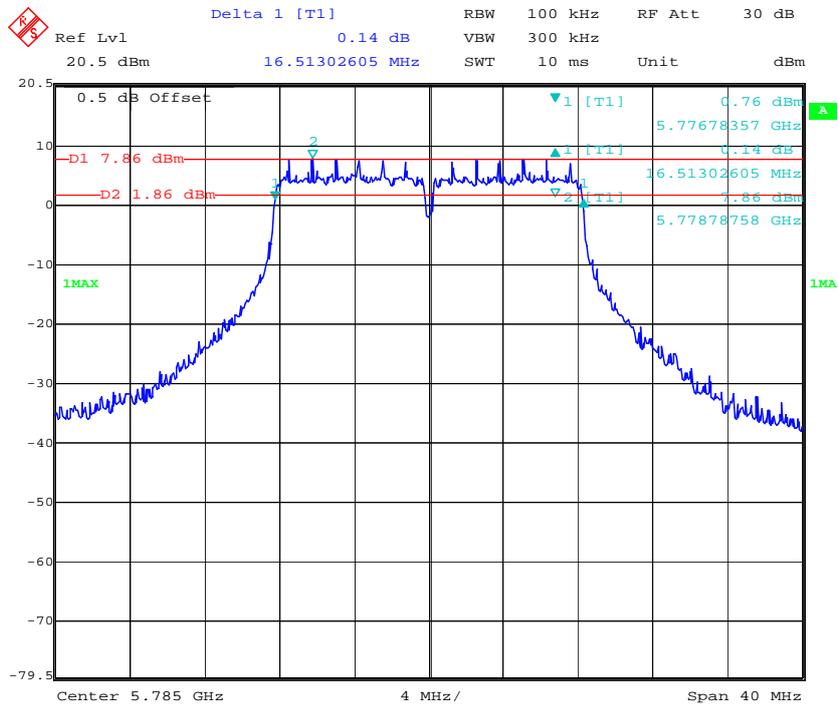


6dB Bandwidth:

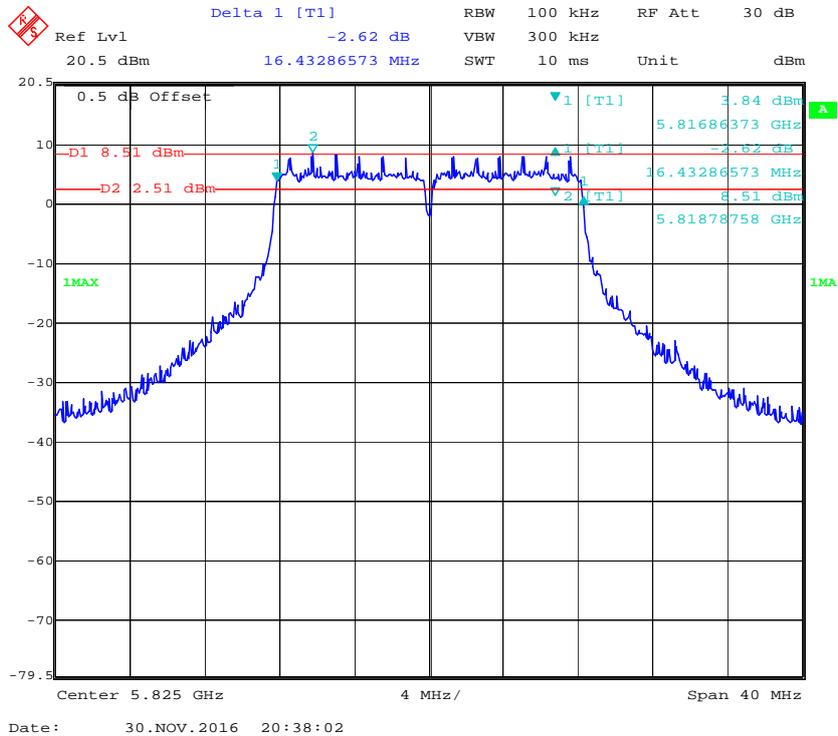
802.11a Low Channel



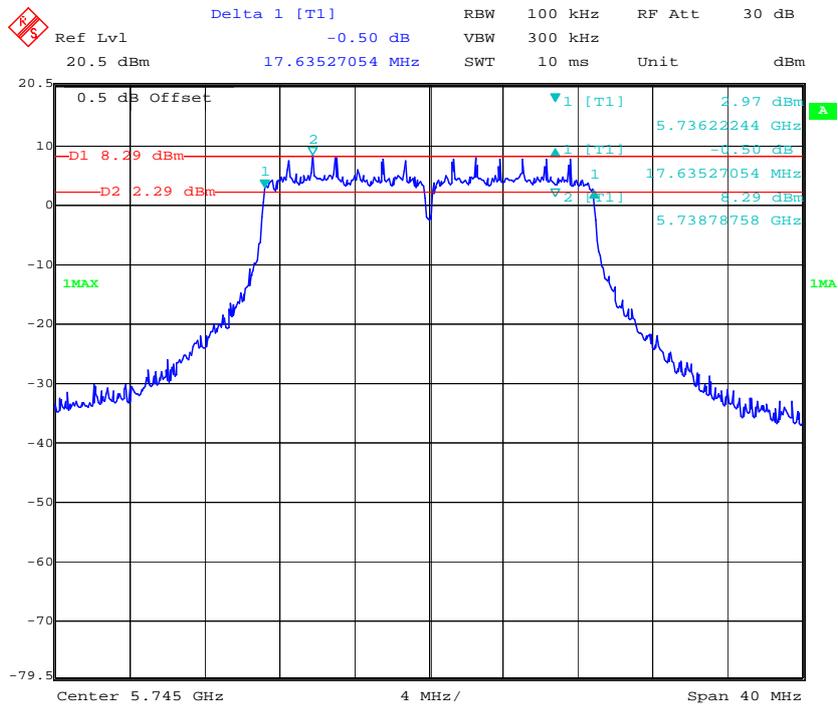
802.11a Middle Channel



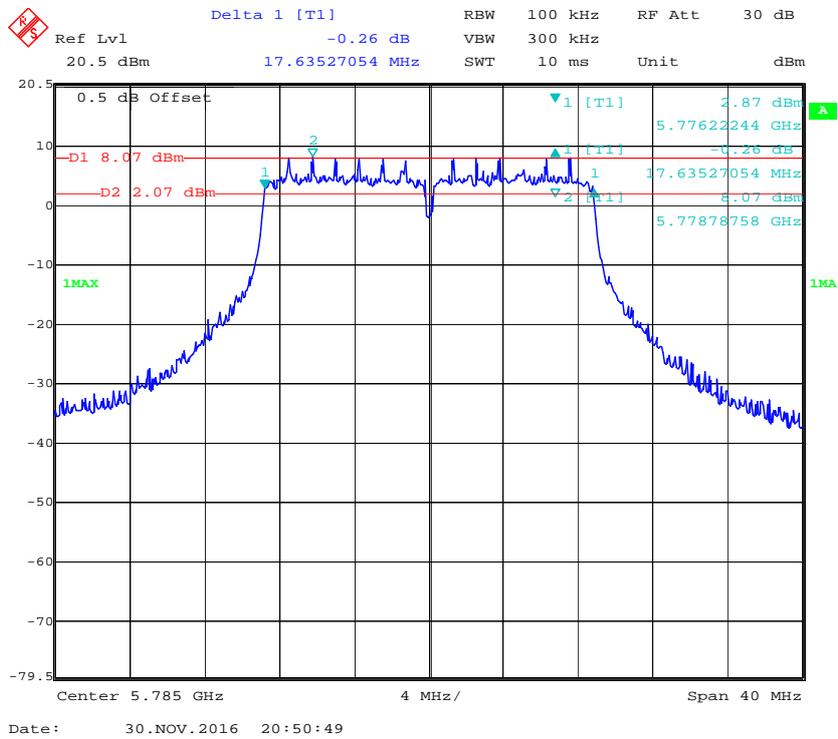
802.11a High Channel



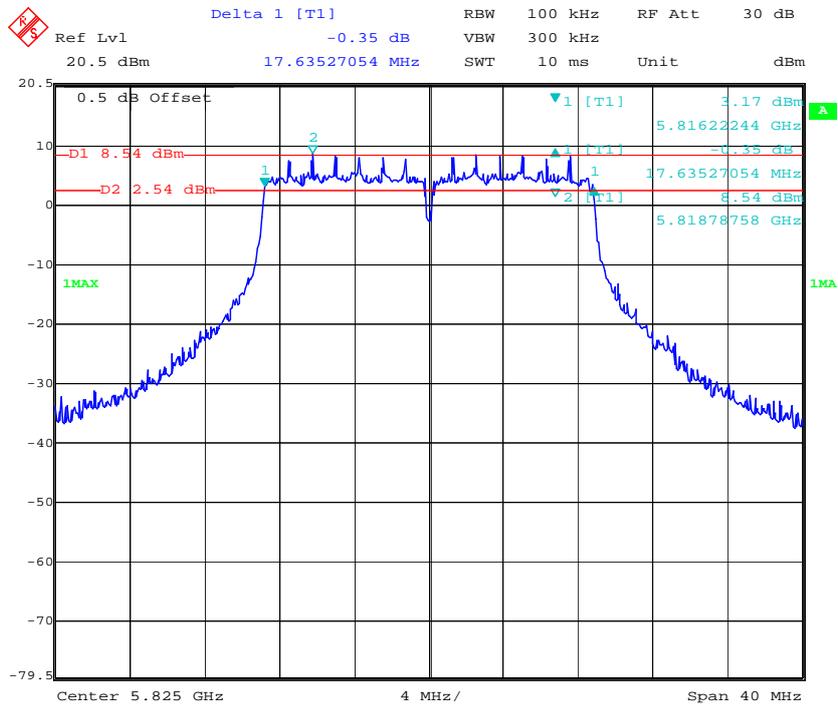
802.11n ht20 Low Channel



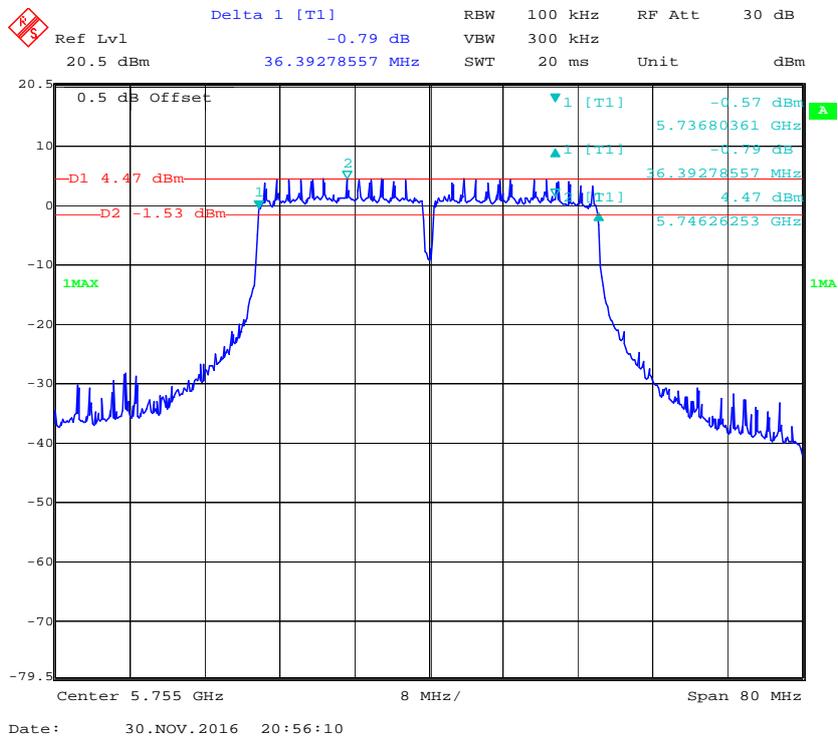
802.11n ht20 Middle Channel



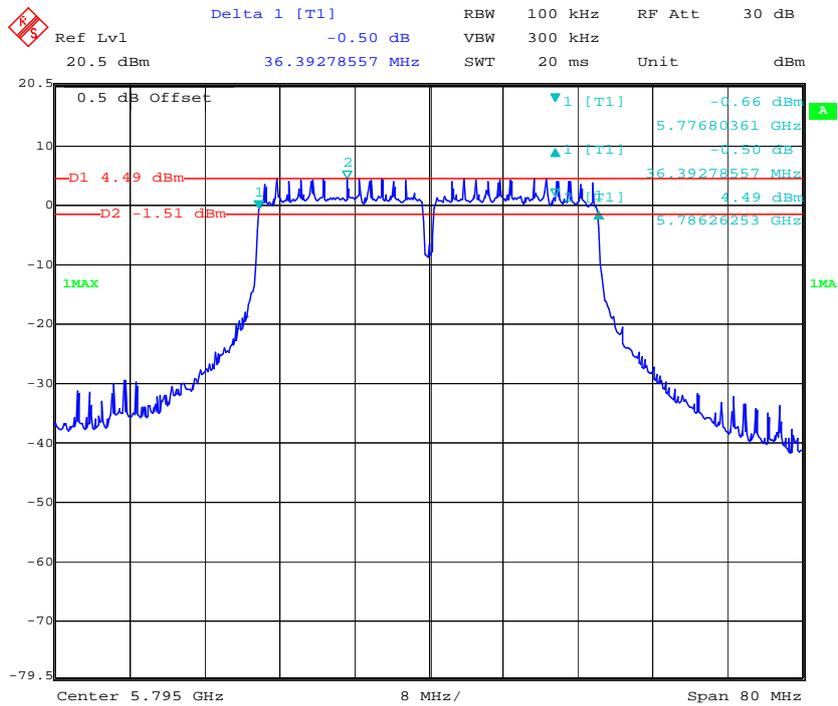
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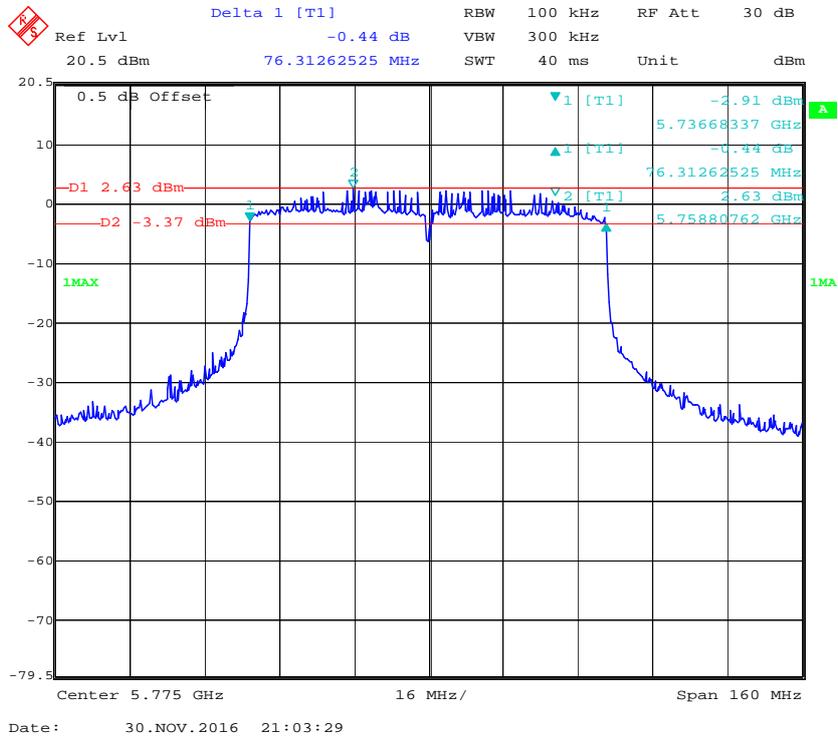
802.11n ht40 Low Channel



802.11n ht40 High Channel



802.11n ac80 Middle Channel



FCC §15.407(a) –MAXIMUM CONDUCTED OUTPUT POWER

Applicable Standard

(a) Power limits:

(1) For the band 5.15-5.25 GHz.

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

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

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

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

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

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

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

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

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	Wideband Power Sensor	N1921A	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 v01r02

Test Data

Environmental Conditions

Temperature:	24.9 °C
Relative Humidity:	41 %
ATM Pressure:	101.6 kPa

The testing was performed by Lorin Bian on 2016-11-30.

Test Result: Compliant (the duty cycle factor was corrected in the test result, For cross channels, the maximum test result meets the requirements of 5470-5725MHz, which is stricter than the requirements of 5725-5850MHz band)

Test Mode: Transmitting
1TX:

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power(dBm)			Limit (dBm)	Result
				Chain 0	Chain 1	Chain 2		
5150-5250MHz	802.11 a	Low	5180	19.14	18.97	18.8	30	PASS
		Middle	5200	20.15	19.88	19.97	30	PASS
		High	5240	20.38	20.18	20.11	30	PASS
	802.11 n20	Low	5180	19.05	18.98	18.73	30	PASS
		Middle	5200	20.08	19.83	19.86	30	PASS
		High	5240	20.33	20.14	19.88	30	PASS
	802.11 n40	Low	5190	19.38	19.26	19.18	30	PASS
High		5230	19.72	19.59	19.4	30	PASS	
802.11 ac80	Middle	5210	17.45	17.47	17.08	30	PASS	
5250-5350MHz	802.11 a	Low	5260	19.39	19.33	19.13	24	PASS
		Middle	5280	19.41	19.35	19.14	24	PASS
		High	5320	19.08	19.38	19.11	24	PASS
	802.11 n20	Low	5260	19.35	19.27	19.03	24	PASS
		Middle	5280	19.38	19.28	19.06	24	PASS
		High	5320	19.02	19.33	19.02	24	PASS
	802.11 n40	Low	5270	19.88	19.78	19.67	24	PASS
High		5310	19.92	20.02	19.65	24	PASS	
802.11 ac80	Middle	5290	16.39	16.72	16.26	24	PASS	
5470-5725MHz	802.11 a	Low	5500	19.26	19.62	18.96	24	PASS
		Middle	5600	19.03	19.36	18.54	24	PASS
		High	5700	18.5	18.98	18.31	24	PASS
		Crossed	5720	18.5	18.94	18.22	24	PASS
	802.11 n20	Low	5500	19.19	19.52	18.95	24	PASS
		Middle	5600	18.97	19.28	18.5	24	PASS
		High	5700	17.58	17.91	17.4	24	PASS
		Crossed	5720	18.44	18.82	18.15	24	PASS
	802.11 n40	Low	5510	19.05	19.25	18.8	24	PASS
		Middle	5590	18.92	18.94	18.84	24	PASS
		High	5670	19.1	18.98	18.97	24	PASS
		Crossed	5710	19.18	18.95	19.12	24	PASS
	802.11 ac80	Low	5530	16.32	16.49	16.02	24	PASS
High		5610	18.74	18.77	18.71	24	PASS	
Crossed		5690	18.89	18.75	18.88	24	PASS	
5725-5850MHz	802.11 a	Low	5745	19.57	19.99	19.48	30	PASS
		Middle	5785	19.63	19.85	19.31	30	PASS
		High	5825	19.95	20.36	19.99	30	PASS
	802.11 n20	Low	5745	19.54	20.01	19.43	30	PASS
		Middle	5785	19.55	19.92	19.23	30	PASS
		High	5825	19.92	20.42	19.88	30	PASS
	802.11 n40	Low	5755	19.12	19.87	19.28	30	PASS
		High	5795	19.17	20.06	19.62	30	PASS
	802.11 ac80	Middle	5775	18.94	19.57	19.63	30	PASS

2TX(Chain 0+Chain 1):

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	18.23	17.85	21.05	30	PASS
		Middle	5200	20.03	19.95	23	30	PASS
		High	5240	20.05	20.1	23.09	30	PASS
	802.11 n20	Low	5180	18.94	18.9	21.93	30	PASS
		Middle	5200	19.96	19.83	22.91	30	PASS
		High	5240	19.95	20.1	23.04	30	PASS
	802.11 n40	Low	5190	17.57	17.6	20.6	30	PASS
High		5230	19.66	19.65	22.67	30	PASS	
802.11 ac80	Middle	5210	15.39	15.52	18.47	30	PASS	
5250-5350MHz	802.11 a	Low	5260	15.91	16.27	19.1	24	PASS
		Middle	5280	15.99	16.19	19.1	24	PASS
		High	5320	15.85	16.23	19.05	24	PASS
	802.11 n20	Low	5260	15.93	16.34	19.15	24	PASS
		Middle	5280	15.96	16.17	19.08	24	PASS
		High	5320	15.78	16.22	19.02	24	PASS
	5G 802.11 n40	Low	5270	19.59	19.67	22.64	24	PASS
High		5310	17.39	17.86	20.64	24	PASS	
802.11 ac80	Middle	5290	15.26	15.83	18.56	24	PASS	
5470-5725MHz	802.11 a	Low	5500	16.54	16.75	19.66	24	PASS
		Middle	5600	16.03	16.71	19.39	24	PASS
		High	5700	15.48	16.49	19.02	24	PASS
		Crossed	5720	15.47	16.34	18.94	24	PASS
	802.11 n20	Low	5500	16.4	16.74	19.58	24	PASS
		Middle	5600	15.92	16.6	19.28	24	PASS
		High	5700	15.41	16.37	18.93	24	PASS
		Crossed	5720	15.42	16.18	18.83	24	PASS
	802.11 n40	Low	5510	16.86	16.8	19.84	24	PASS
		Middle	5590	19.48	19.92	22.72	24	PASS
		High	5670	19.16	19.75	22.48	24	PASS
		Crossed	5710	19.02	19.6	22.33	24	PASS
	802.11 ac80	Low	5530	16.52	16.61	19.58	24	PASS
High		5610	18.64	18.83	21.75	24	PASS	
Crossed		5690	18.92	18.51	21.73	24	PASS	
5725-5850MHz	802.11 a	Low	5745	19.48	19.94	22.73	30	PASS
		Middle	5785	19.5	19.71	22.62	30	PASS
		High	5825	19.87	20.33	23.12	30	PASS
	802.11 n20	Low	5745	19.38	19.88	22.65	30	PASS
		Middle	5785	19.42	19.69	22.57	30	PASS
		High	5825	19.82	20.27	23.06	30	PASS
	802.11 n40	Low	5755	18.89	19.5	22.22	30	PASS
		High	5795	19	19.62	22.33	30	PASS
	802.11 ac80	Middle	5775	18.69	19.57	22.16	30	PASS

3TX(Chain 0+Chain 1+ Chain 2):

UNII Band	Mode	Channel	Frequency (MHz)	RMS Channel Power(dBm)			Total (dBm)	Limit (dBm)	Result
				Chain 0	Chain 1	Chain 2			
5150-5250MHz	802.11 a	Low	5180	19.13	19.03	18.8	23.76	30	PASS
		Middle	5200	20.18	20.02	20.04	24.85	30	PASS
		High	5240	20.23	20.07	19.9	24.84	30	PASS
	5G 802.11 n20	Low	5180	19.07	18.91	16.87	23.16	30	PASS
		Middle	5200	20.13	19.95	20.04	24.81	30	PASS
		High	5240	20.05	20.04	19.8	24.74	30	PASS
	5G 802.11 n40	Low	5190	19.66	19.6	19.31	24.3	30	PASS
		High	5230	19.63	19.78	19.42	24.38	30	PASS
	802.11 ac80	Middle	5210	14.49	14.56	13.97	19.12	30	PASS
5250-5350MHz	802.11 a	Low	5260	14.05	14.25	13.49	18.71	24	PASS
		Middle	5280	13.95	14.26	13.47	18.68	24	PASS
		High	5320	13.67	14.1	13.33	18.48	24	PASS
	5G 802.11 n20	Low	5260	13.9	14.25	13.48	18.66	24	PASS
		Middle	5280	13.92	14.27	13.39	18.65	24	PASS
		High	5320	13.57	14.04	13.22	18.39	24	PASS
	5G 802.11 n40	Low	5270	16.56	16.94	16.29	21.38	24	PASS
		High	5310	16.5	16.96	16.19	21.33	24	PASS
	802.11 ac80	Middle	5290	16.33	16.85	16.05	21.19	24	PASS
5470-5725MHz	802.11 a	Low	5500	14.48	14.45	14.06	19.11	24	PASS
		Middle	5600	14.23	14.4	13.75	18.91	24	PASS
		High	5700	13.57	14.31	13.43	18.56	24	PASS
		Crossed	5720	13.45	14.14	13.45	18.46	24	PASS
	5G 802.11 n20	Low	5500	14.52	14.58	13.95	19.13	24	PASS
		Middle	5600	14.26	14.36	13.7	18.89	24	PASS
		High	5700	13.52	14.29	13.59	18.59	24	PASS
		Crossed	5720	13.36	14.07	13.4	18.39	24	PASS
	5G 802.11 n40	Low	5510	17.26	17.14	16.7	21.81	24	PASS
		Middle	5590	16.96	17.07	16.38	21.58	24	PASS
		High	5670	16.48	16.84	16.14	21.27	24	PASS
		Middle	5710	16.28	16.66	16.08	21.12	24	PASS
	802.11 ac80	Low	5530	14.84	14.94	14.29	19.47	24	PASS
High		5610	17.67	17.97	17.15	22.38	24	PASS	
Crossed		5690	17.16	17.61	16.96	22.02	24	PASS	
5725-5850MHz	802.11 a	Low	5745	19.54	19.78	19.15	24.27	30	PASS
		Middle	5785	19.34	19.51	18.84	24.01	30	PASS
		High	5825	19.63	19.95	19.09	24.34	30	PASS
	5G 802.11 n20	Low	5745	19.45	19.74	19.03	24.19	30	PASS
		Middle	5785	19.3	19.42	18.72	23.93	30	PASS
		High	5825	19.55	19.9	19.05	24.29	30	PASS
	5G 802.11 n40	Low	5755	18.98	19.4	18.68	23.8	30	PASS
		High	5795	18.87	19.37	18.78	23.79	30	PASS
	802.11 ac80	Middle	5775	16.77	16.95	17.52	21.86	30	PASS

Note: the device is a indoor master device. the 3 antenna maximum atenna gains are 2dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

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

So:

Directional gain = GANT + Array Gain = 2dBi < 6dBi

FCC §15.407(a) - POWER SPECTRAL DENSITY

Applicable Standard

(a) Power limits:

(1) For the band 5.15-5.25 GHz.

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

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

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

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

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

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

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

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v01r02

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

Temperature:	24.9~26.4 °C
Relative Humidity:	41~54 %
ATM Pressure:	101~101.6 kPa

The testing was performed by Lorin Bian from 2016-11-30 to 2016-12-11.

Test Mode: Transmitting

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

**5150-5250MHz:
SISO:**

Mode	Channel	Frequency (MHz)	Test Data (dBm/MHz)			Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)
			Chain 0	Chain 1	Chain 2		Chain 0	Chain 1	Chain 2	
802.11 a	Low	5180	10.42	9.93	10.13	0.13	10.55	10.06	10.26	17
	Middle	5200	11.74	11.2	10.86	0.13	11.87	11.33	10.99	17
	High	5240	11.09	10.96	10.64	0.13	11.22	11.09	10.77	17
802.11 n20	Low	5180	10.02	9.87	10.32	0.18	10.2	10.05	10.5	17
	Middle	5200	11.15	10.94	10.99	0.18	11.33	11.12	11.17	17
	High	5240	10.91	10.85	10.33	0.18	11.09	11.03	10.51	17
802.11 n40	Low	5190	7.64	7.33	7.25	0.46	8.1	7.79	7.71	17
	High	5230	7.74	7.53	7.31	0.46	8.2	7.99	7.77	17
802.11 ac80	Middle	5210	4.73	4.58	4.13	0.60	5.33	5.18	4.73	17

2TX:

Mode	Channel	Frequency (MHz)	Power Spectral Density(dBm/MHz)		Total (dBm/MHz)	Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
			Chain 0	Chain 1				
802.11 a	Low	5180	9.3	9.51	12.42	0.13	12.55	17
	Middle	5200	11.28	11.33	14.32	0.13	14.45	17
	High	5240	10.96	11.46	14.23	0.13	14.36	17
802.11 n20	Low	5180	10.07	10	13.05	0.18	13.23	17
	Middle	5200	11.04	10.86	13.96	0.18	14.14	17
	High	5240	10.74	11.32	14.05	0.18	14.23	17
802.11 n40	Low	5190	5.78	6.18	8.99	0.46	9.45	17
	High	5230	7.97	7.87	10.93	0.46	11.39	17
802.11 ac80	Middle	5210	2.88	2.63	5.77	0.60	6.37	17

Note: the device is a master device. the 3 antenna maximum antenna gain are 2.0dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO 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:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2 + 10 \cdot \log(2) = 5 \text{ dBi} < 6 \text{dBi}$$

3TX:

Mode	Channel	Frequency (MHz)	Test Data (dBm/MHz)			Total (dBm/MHz)	Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
			Chain 0	Chain 1	Chain 2				
802.11 a	Low	5180	10.78	10.49	10.17	15.26	0.13	15.39	16.23
	Middle	5200	11.40	11.08	11.32	16.04	0.13	16.17	16.23
	High	5240	11.17	11.14	11.21	15.94	0.13	16.07	16.23
802.11 n20	Low	5180	10.54	9.9	9.75	14.85	0.18	15.03	16.23
	Middle	5200	11.37	11.17	10.92	15.93	0.18	16.11	16.23
	High	5240	10.84	11.06	11.15	15.79	0.18	15.97	16.23
802.11 n40	Low	5190	8.22	8.18	7.29	12.69	0.46	13.15	16.23
	High	5230	7.91	7.88	7.47	12.53	0.46	12.99	16.23
802.11 ac80	Middle	5210	1.67	2.07	1.21	6.44	0.6	7.04	16.23

Note: the device is a master device. the 3 antenna maximum antenna gain are 2.0dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

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

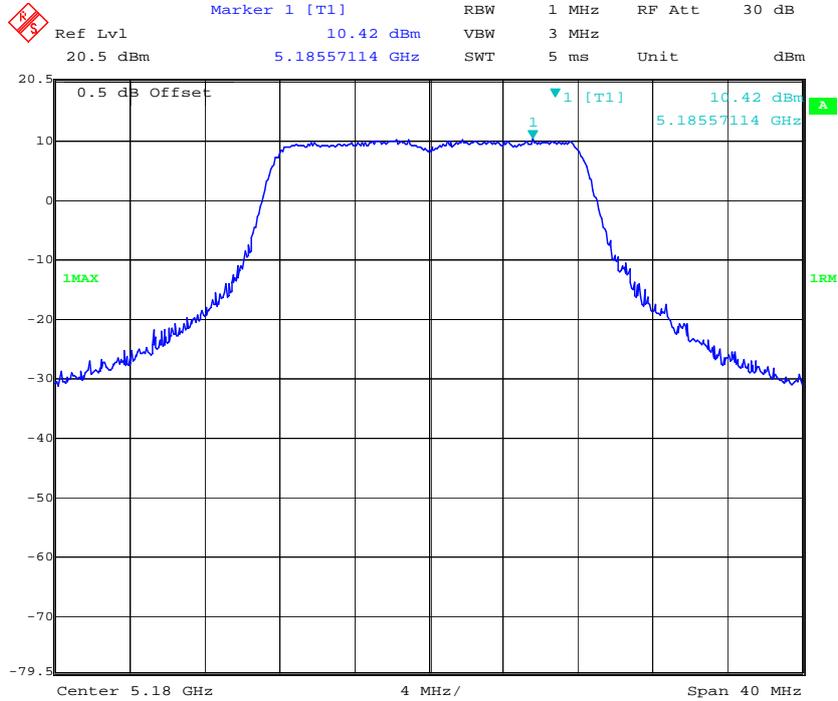
So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2 + 10 \cdot \log(3) = 6.77 \text{ dBi} > 6 \text{ dBi}$$

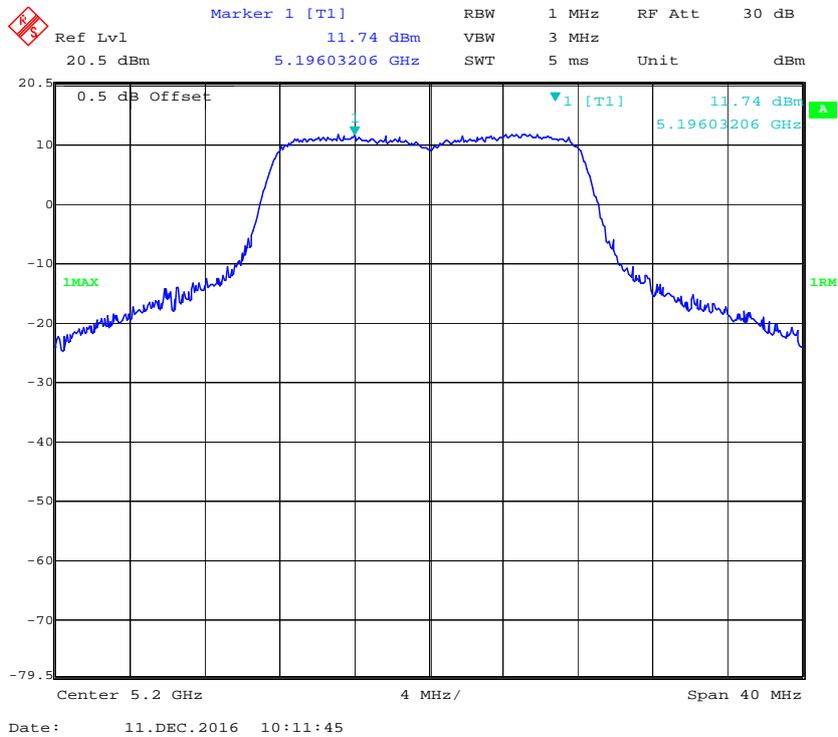
$$\text{Power density Limits} = 17 - (6.77 - 6) = 16.23 \text{ dBm}$$

5150MHz-5250MHz:
SISO:

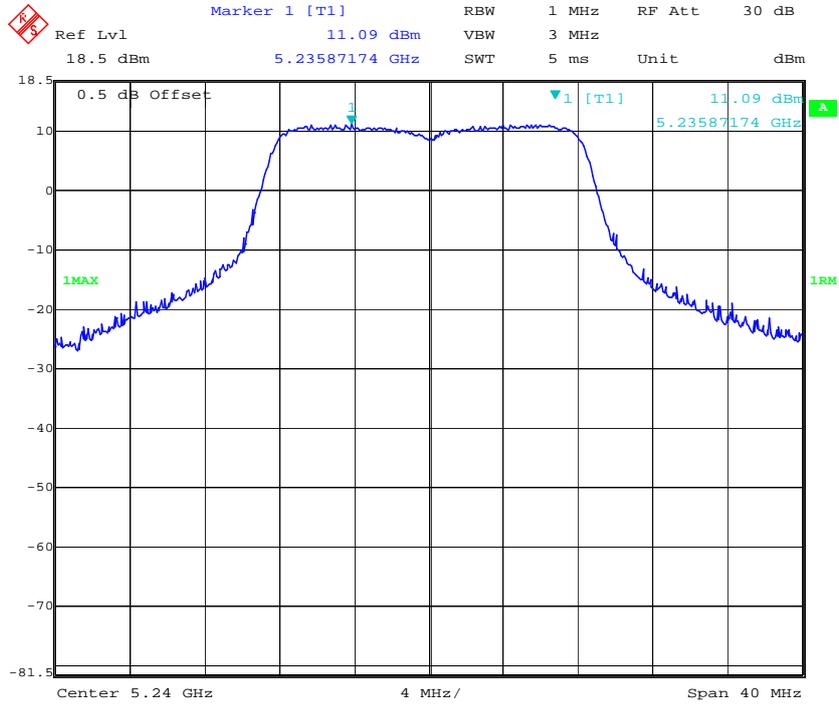
802.11a Low Channel – Chain0



802.11a Middle Channel – Chain0

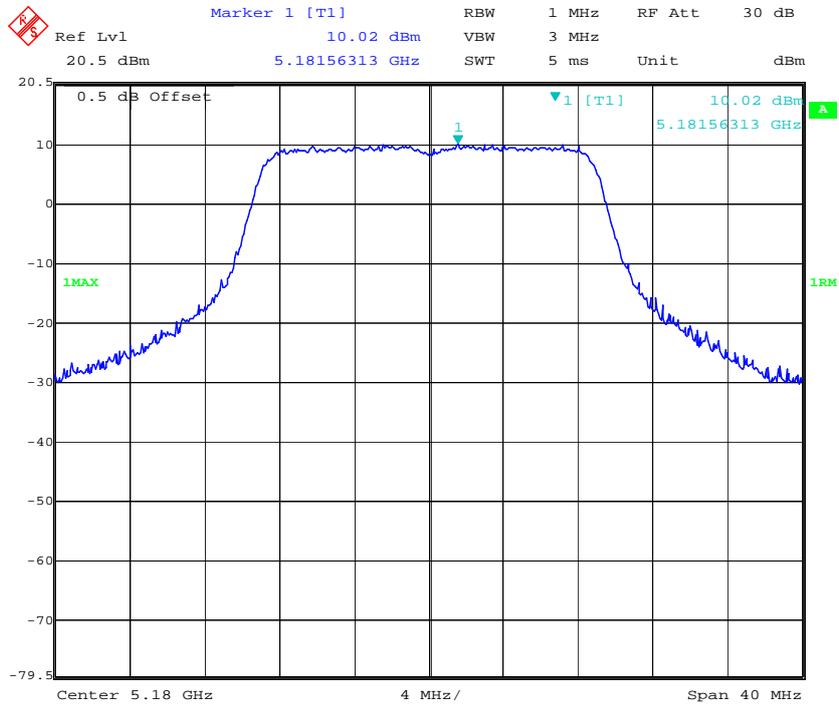


802.11a High Channel – Chain0



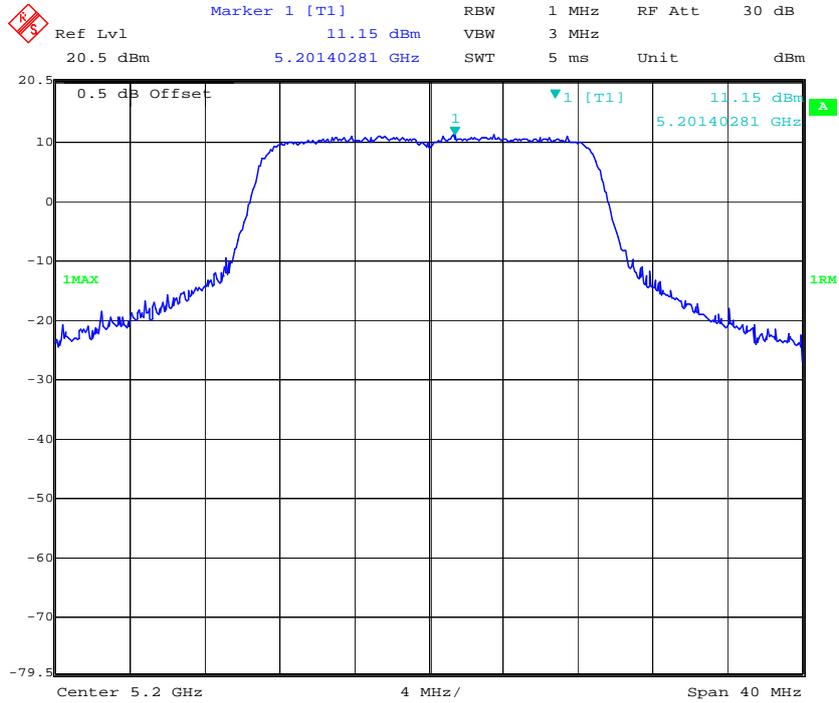
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802.11n ht20 Low Channel – Chain0



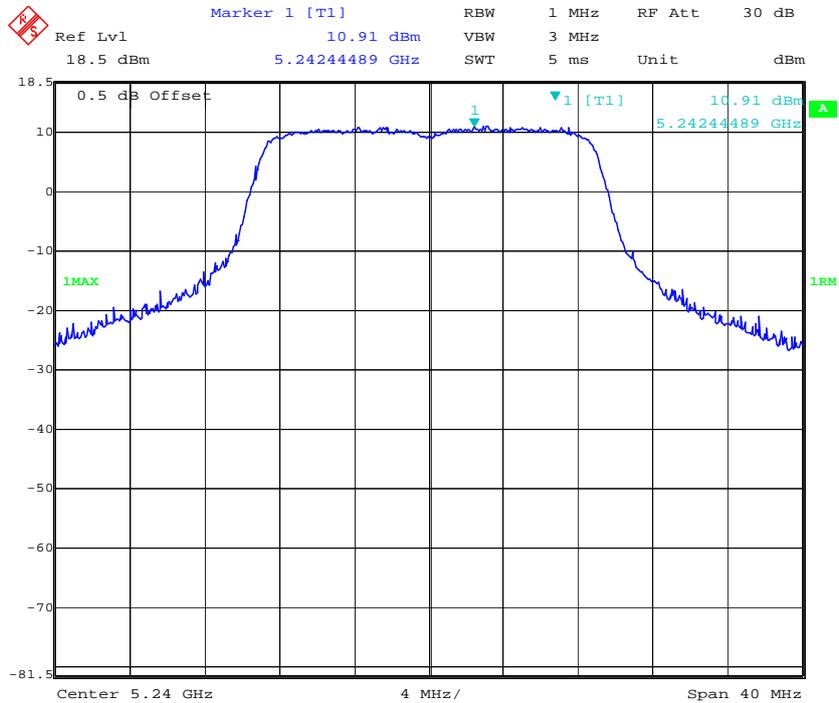
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802.11n ht20 Middle Channel – Chain0



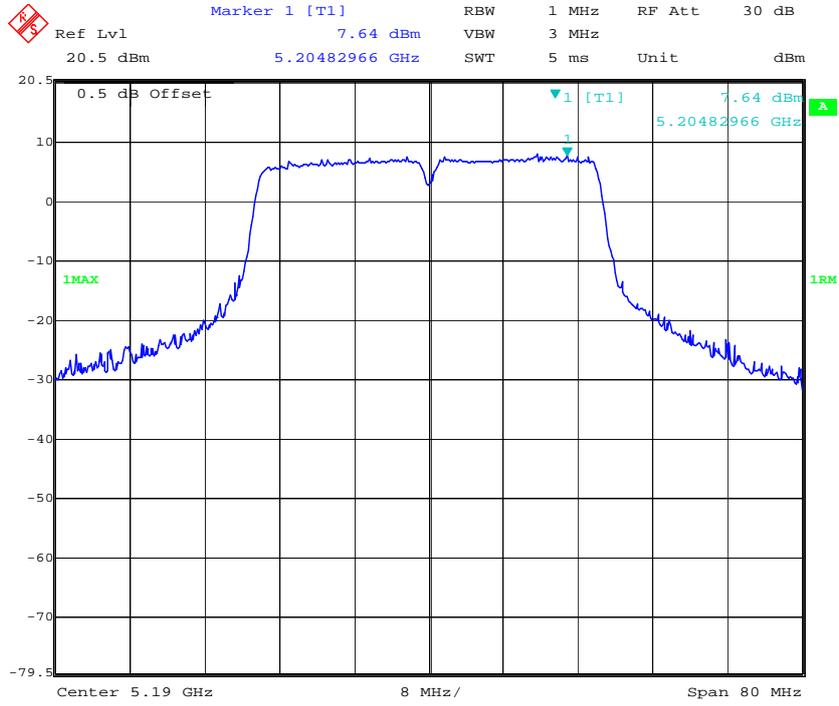
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802.11n ht20 High Channel – Chain0

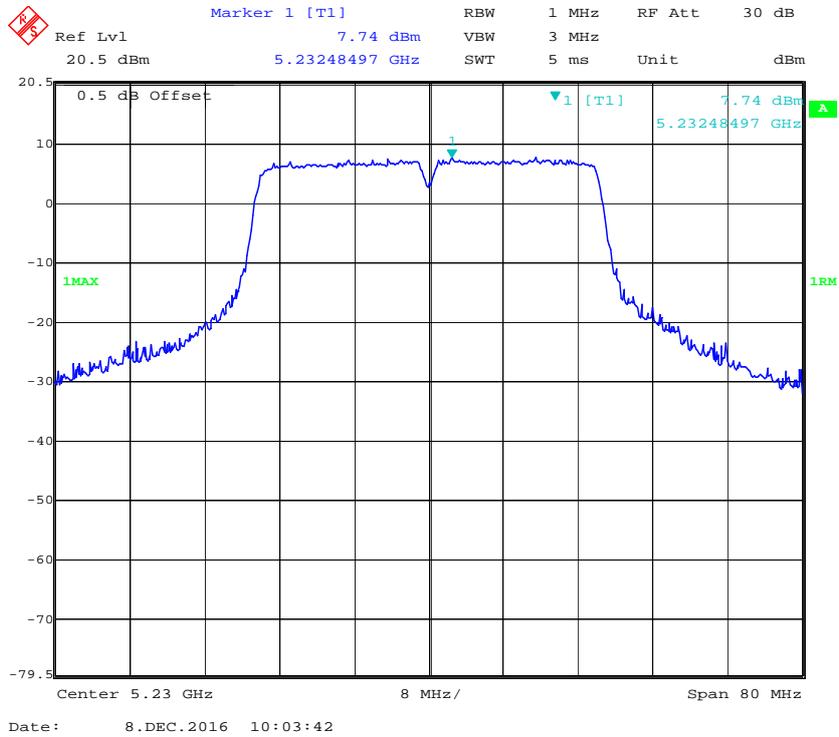


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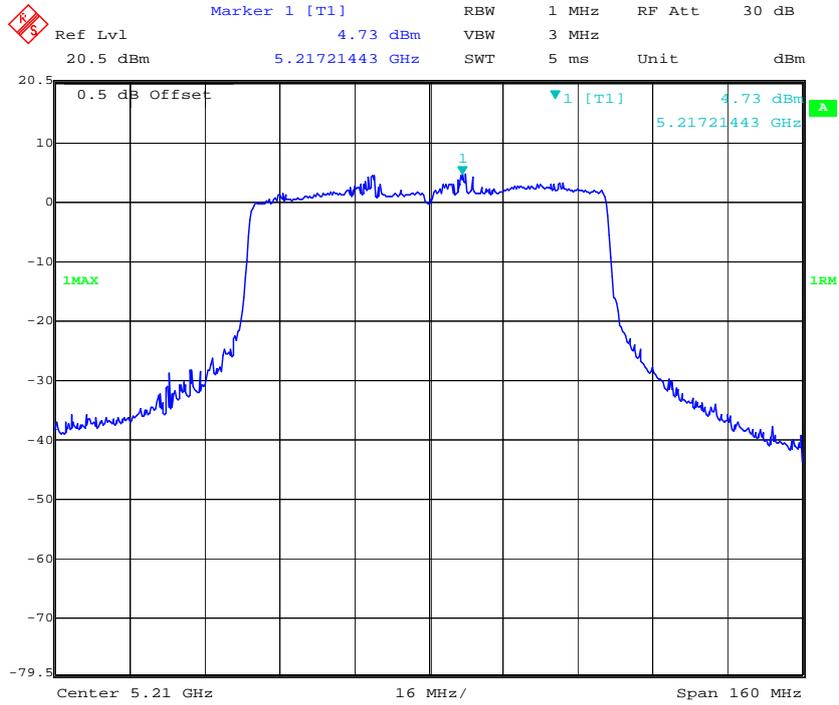
802.11n ht40 Low Channel – Chain0



802.11n ht40 High Channel – Chain0

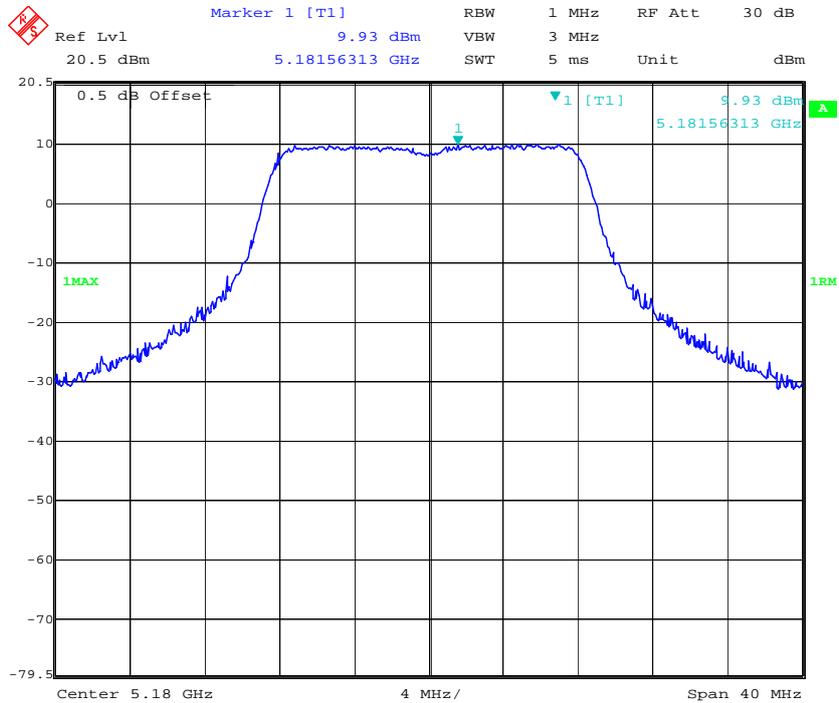


802.11 ac80 Middle Channel – Chain0



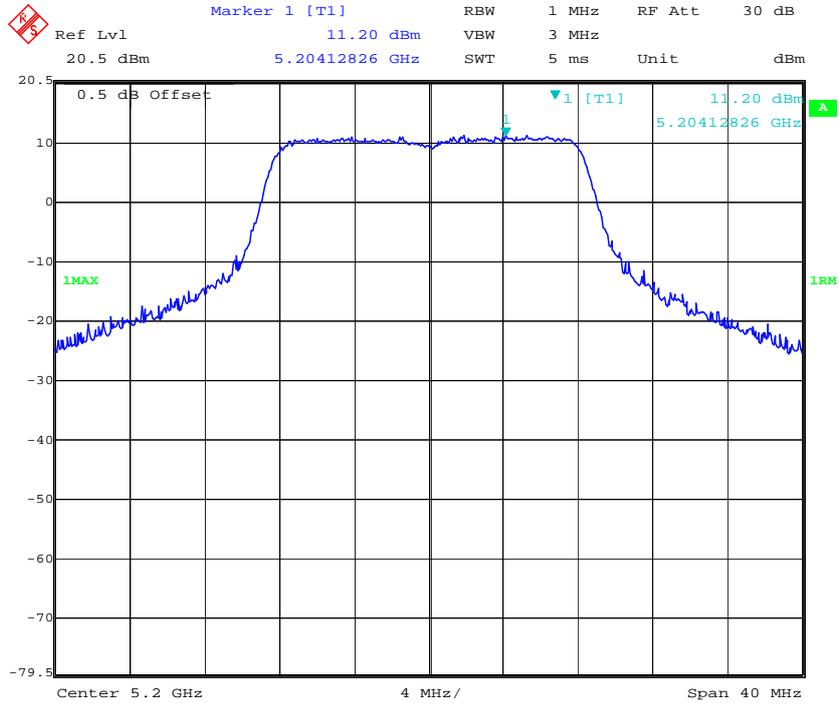
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802.11a Low Channel – Chain1

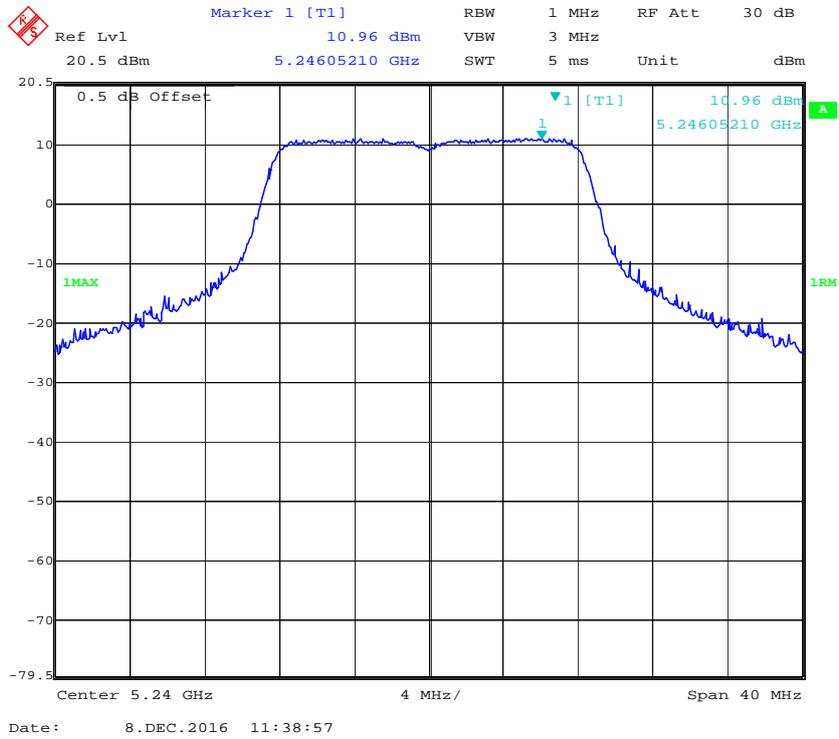


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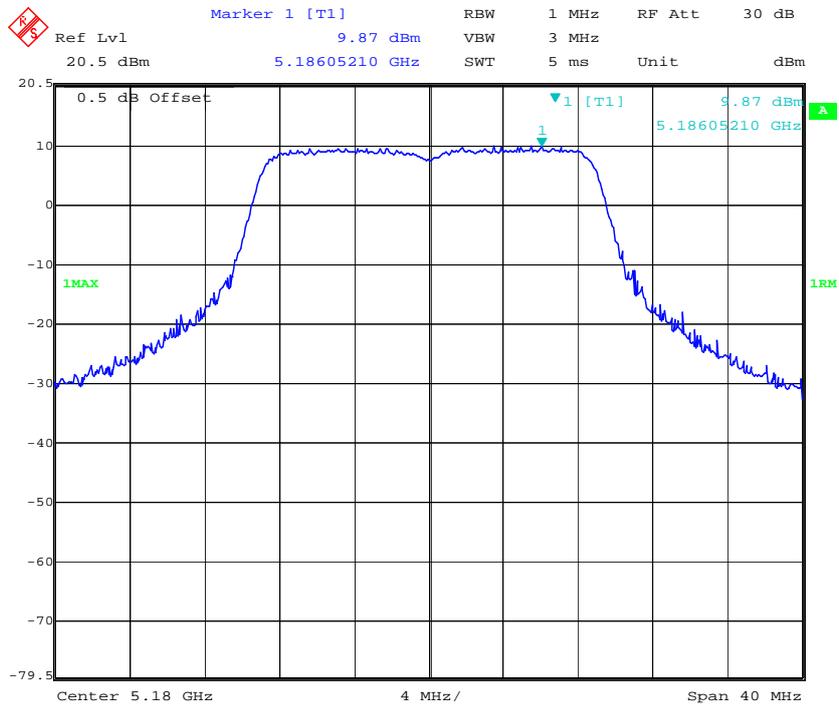
802.11a Middle Channel – Chain1



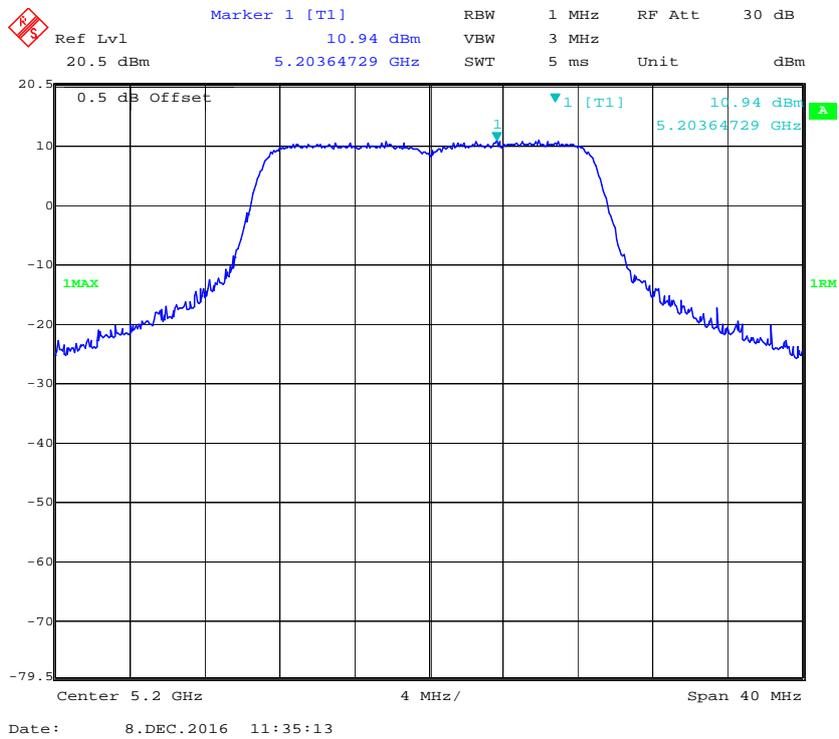
802.11a High Channel – Chain1



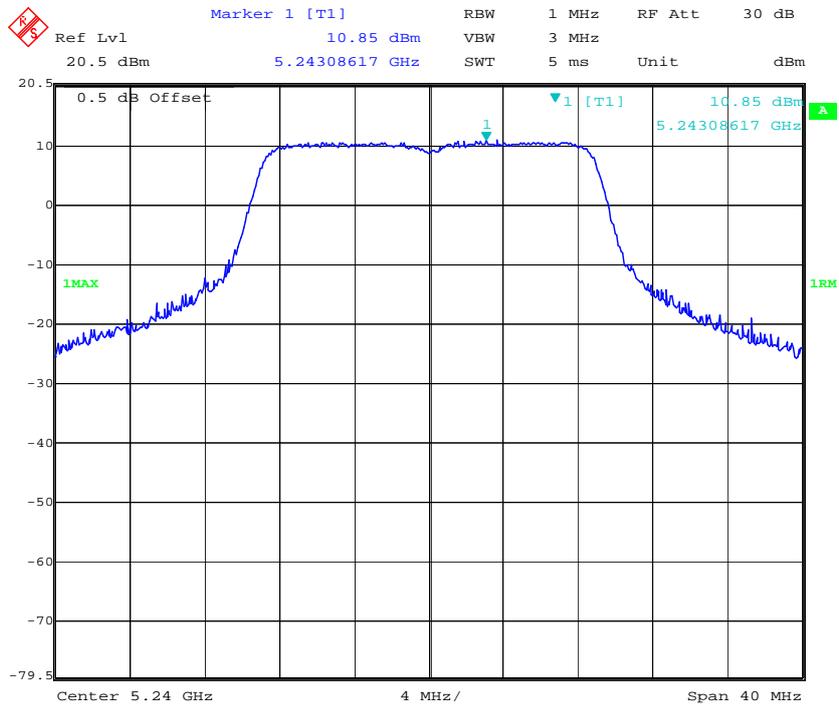
802.11n ht20 Low Channel – Chain1



802.11n ht20 Middle Channel – Chain1

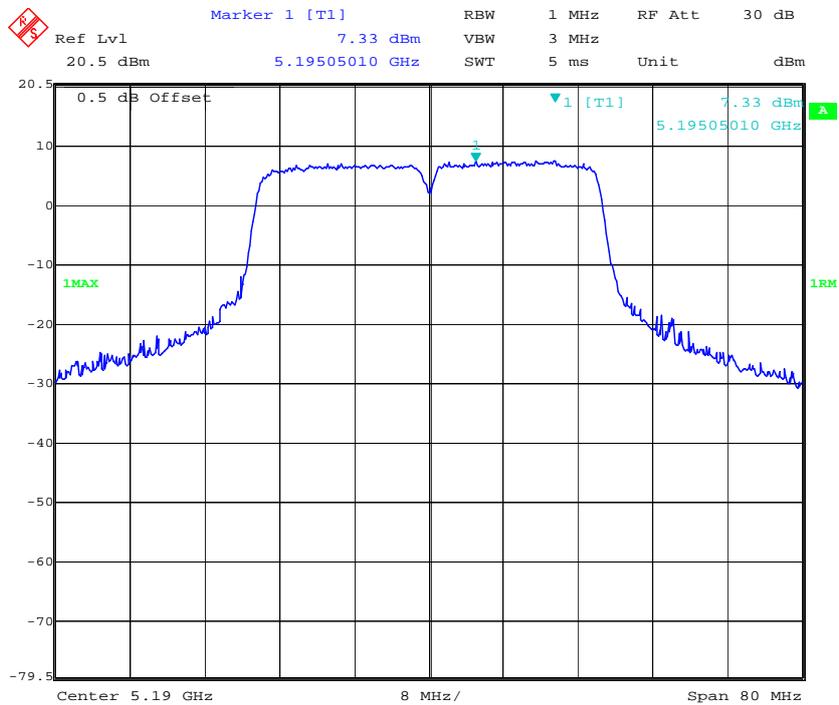


802.11n ht20 High Channel – Chain1



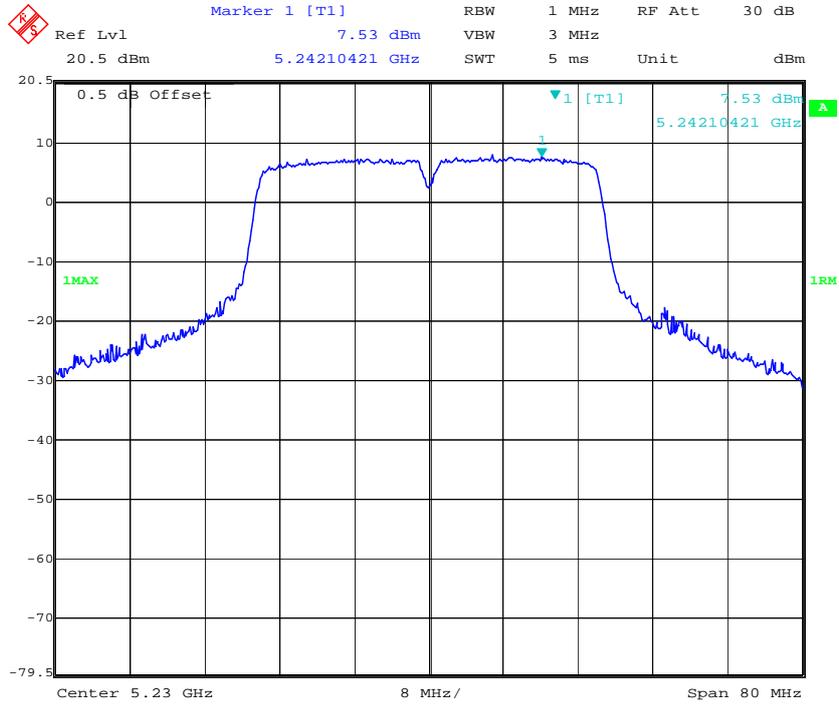
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802.11n ht40 Low Channel – Chain1



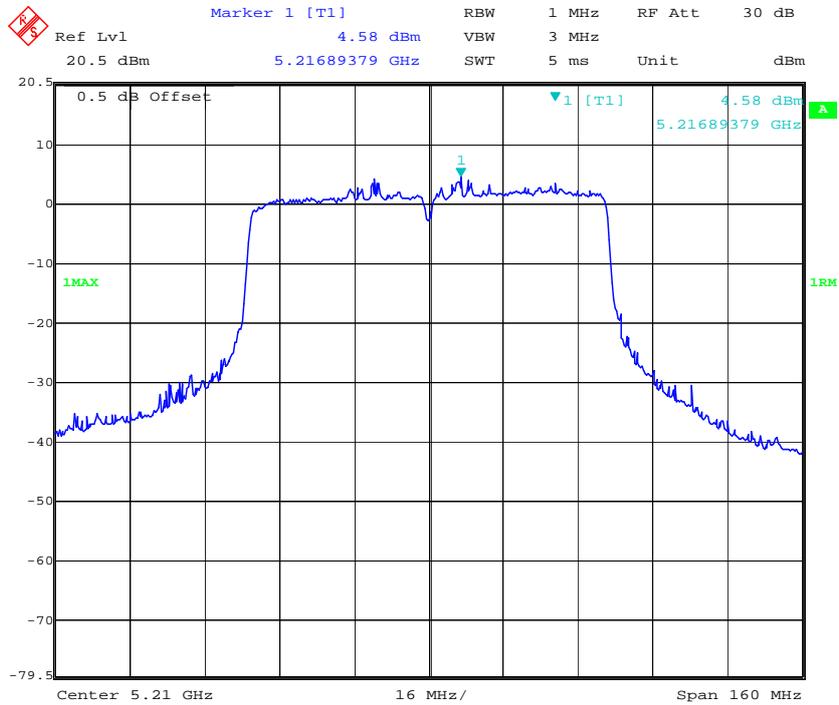
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802.11n ht40 High Channel – Chain1



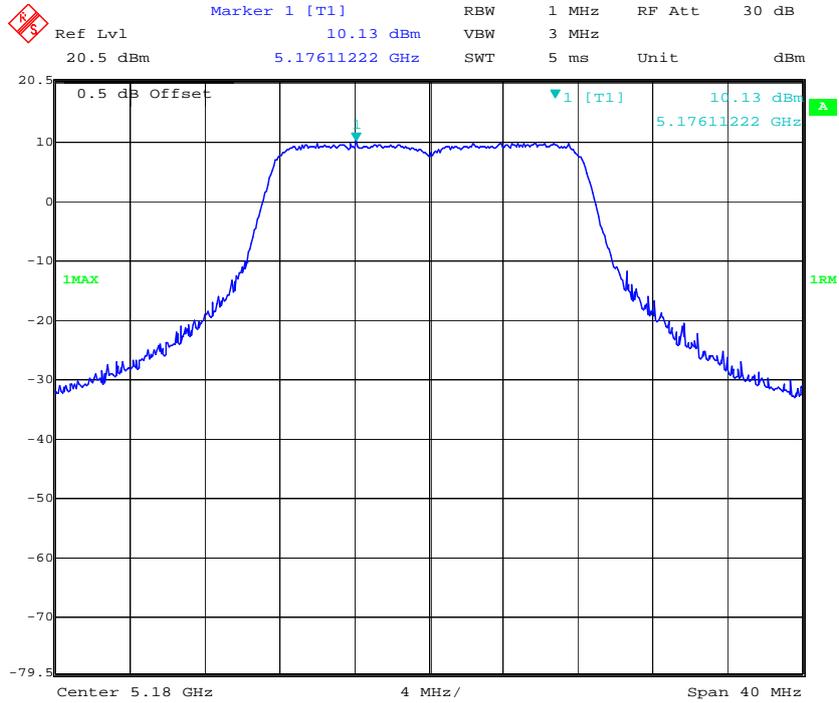
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802.11 ac80 Middle Channel – Chain1



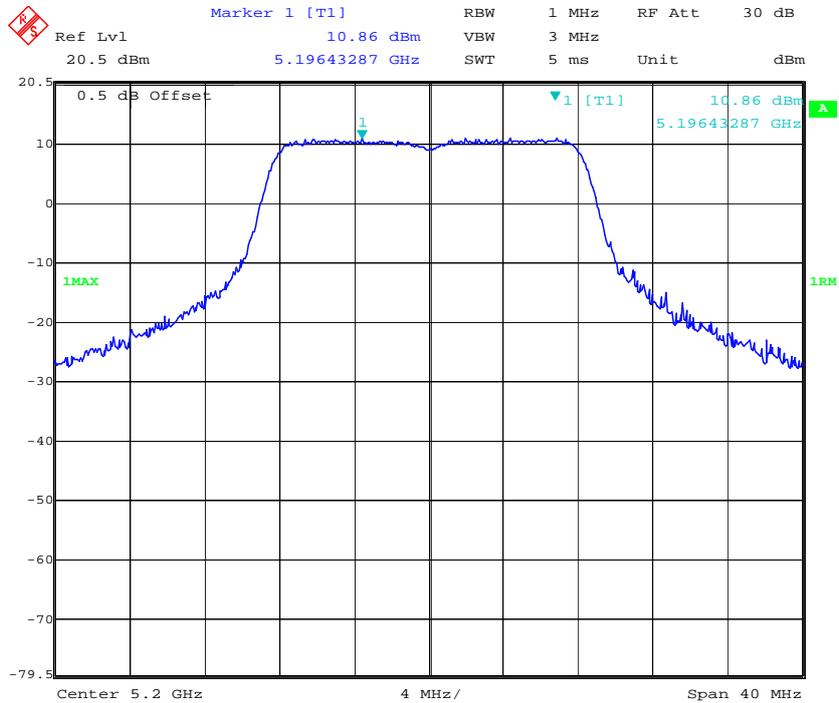
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802.11a Low Channel – Chain2



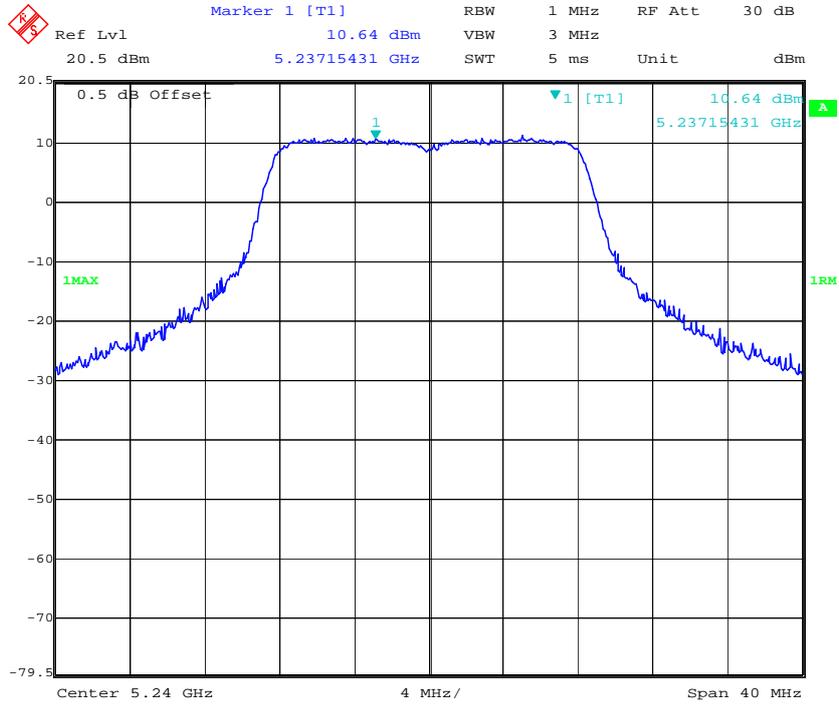
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802.11a Middle Channel – Chain2



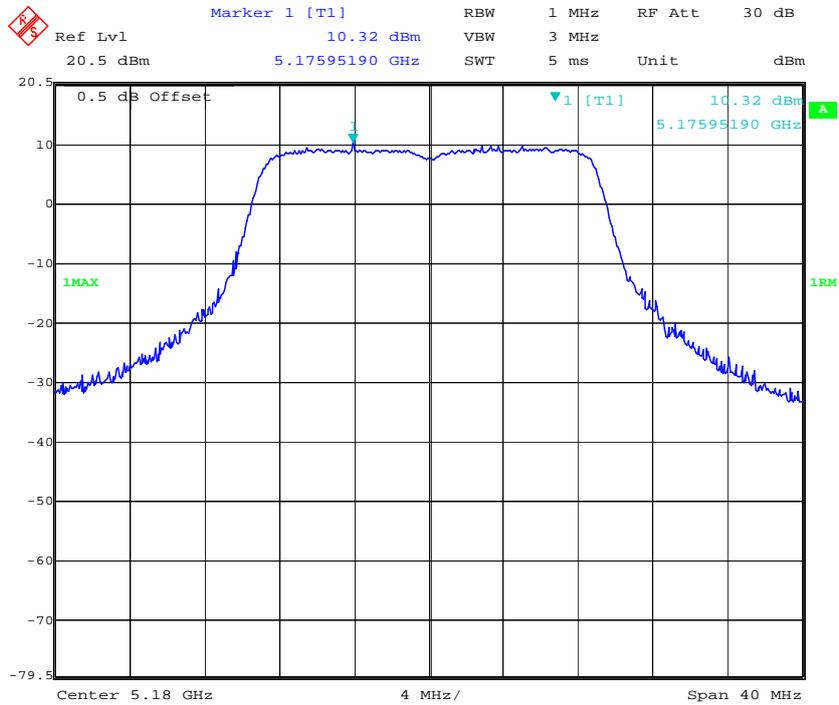
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802.11a High Channel – Chain2



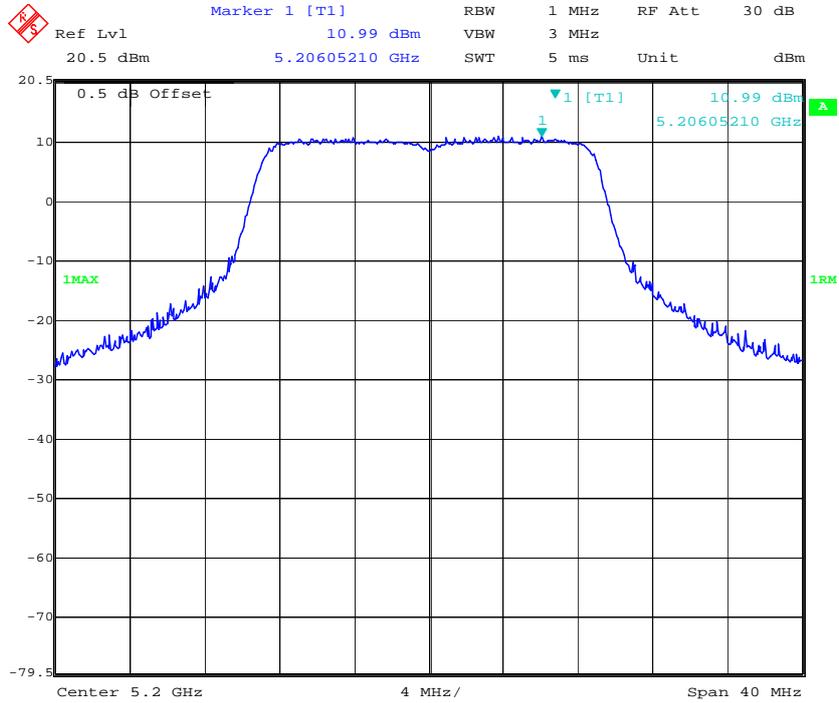
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802.11n ht20 Low Channel – Chain2

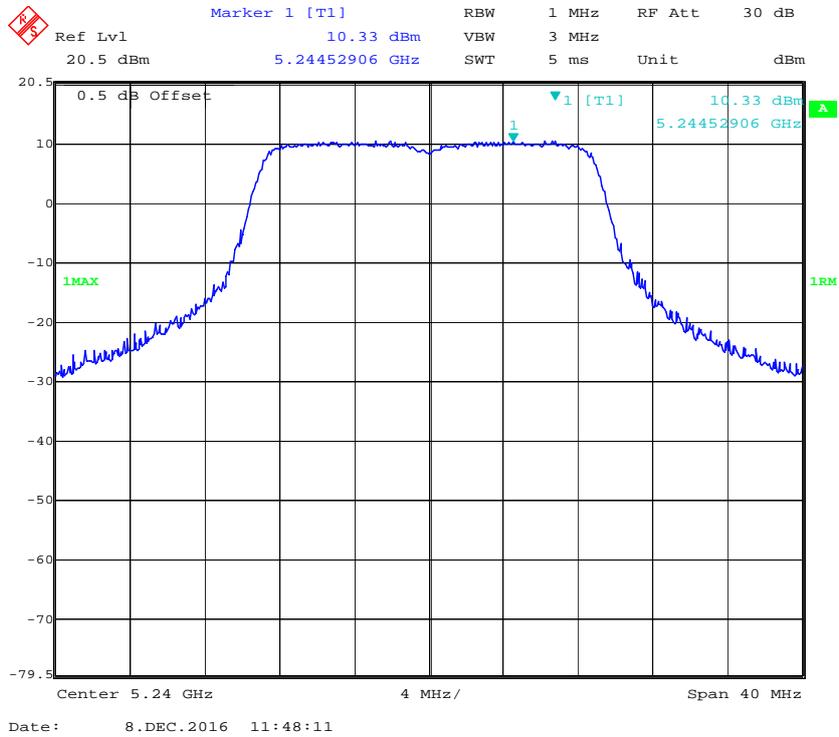


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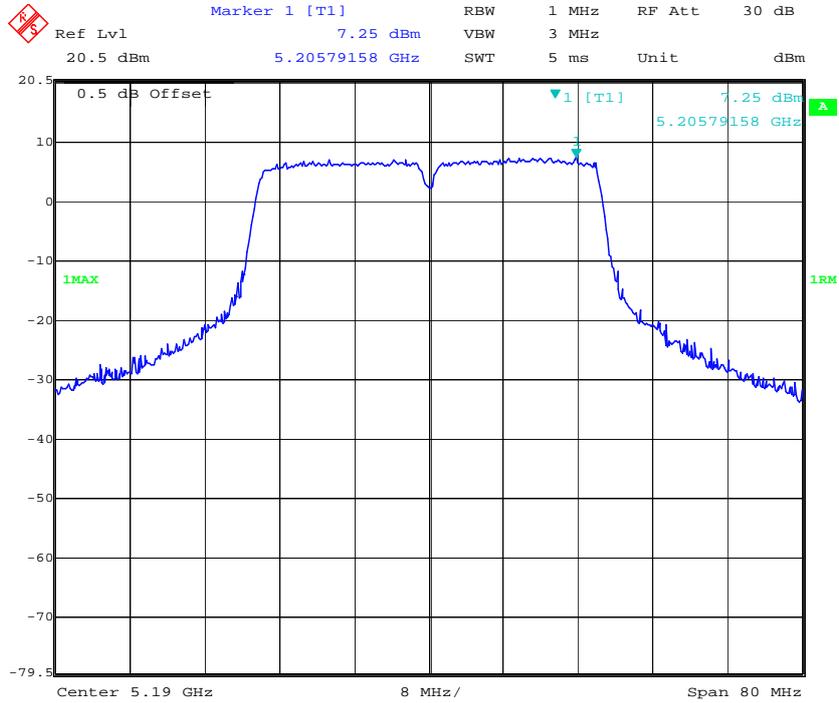
802.11n ht20 Middle Channel – Chain2



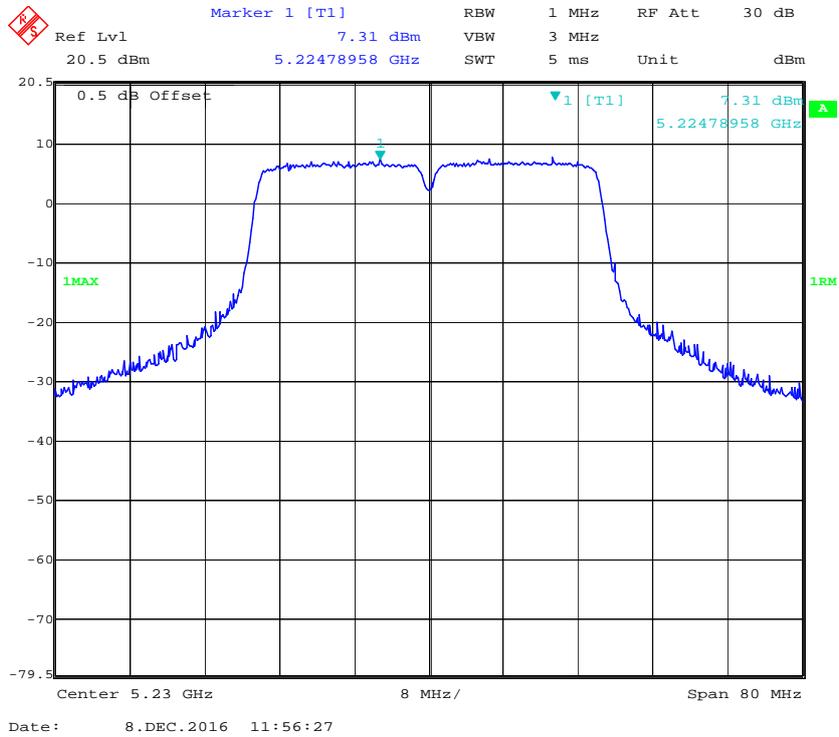
802.11n ht20 High Channel – Chain2



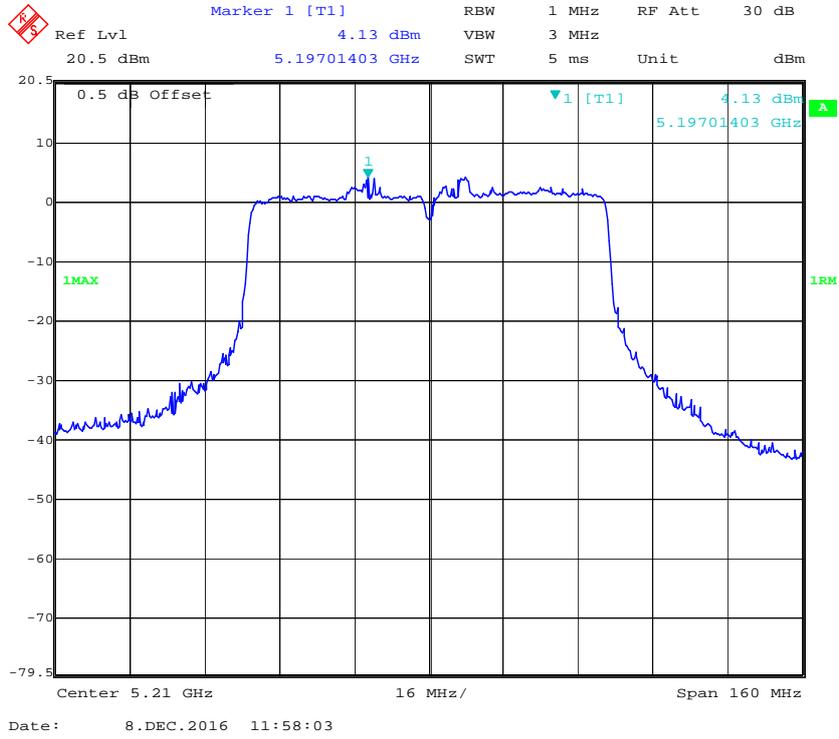
802.11n ht40 Low Channel – Chain2



802.11n ht40 High Channel – Chain2

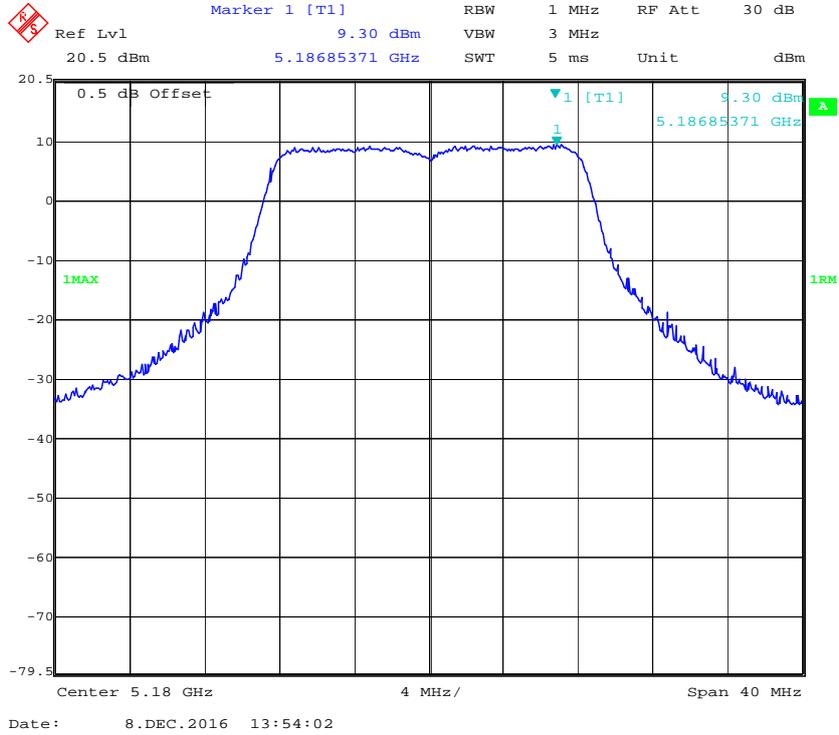


802.11 ac80 Middle Channel – Chain2

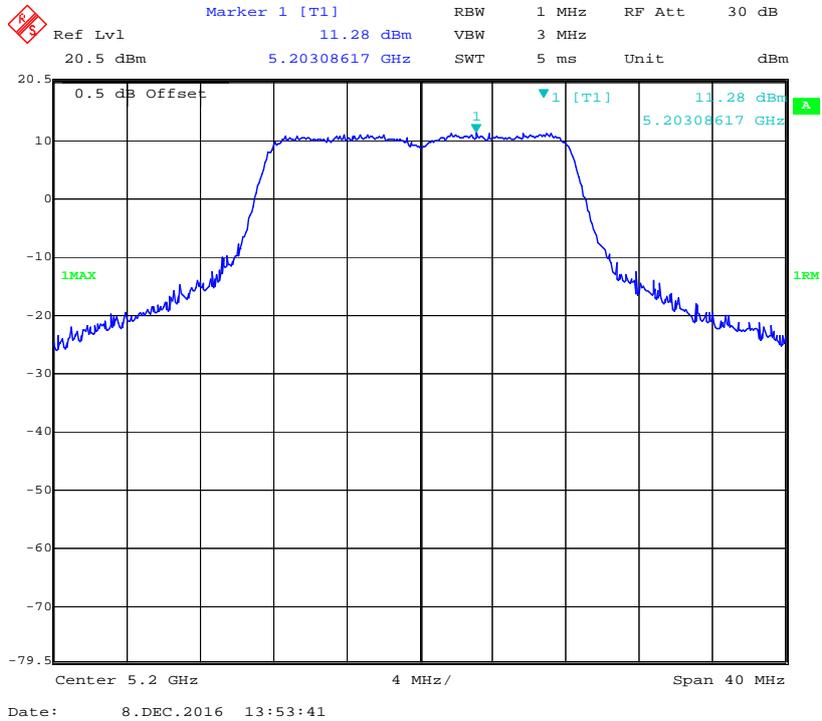


2TX (Chain 0+Chain 1):

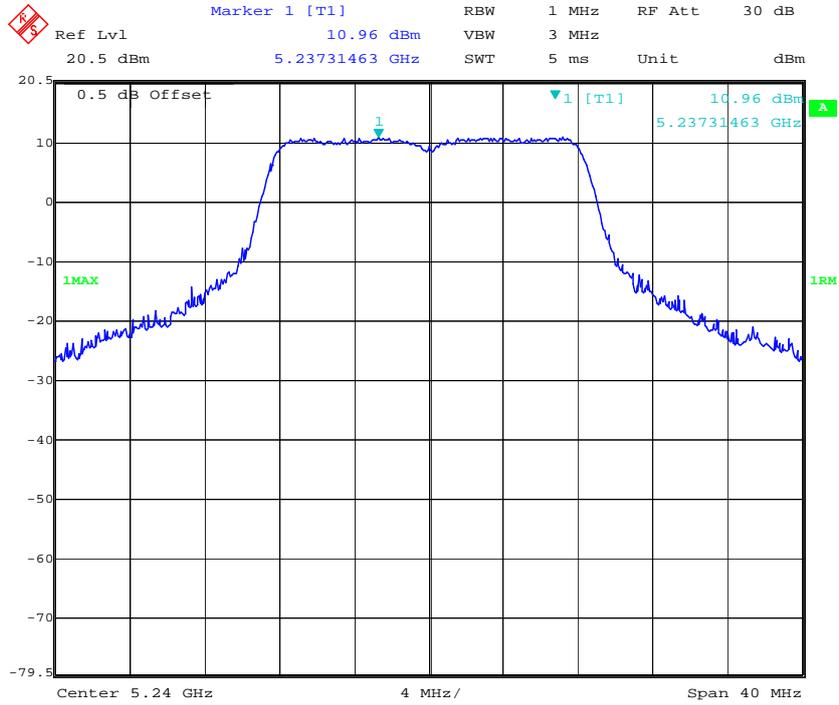
802.11a Low Channel – Chain0



802.11a Middle Channel – Chain0

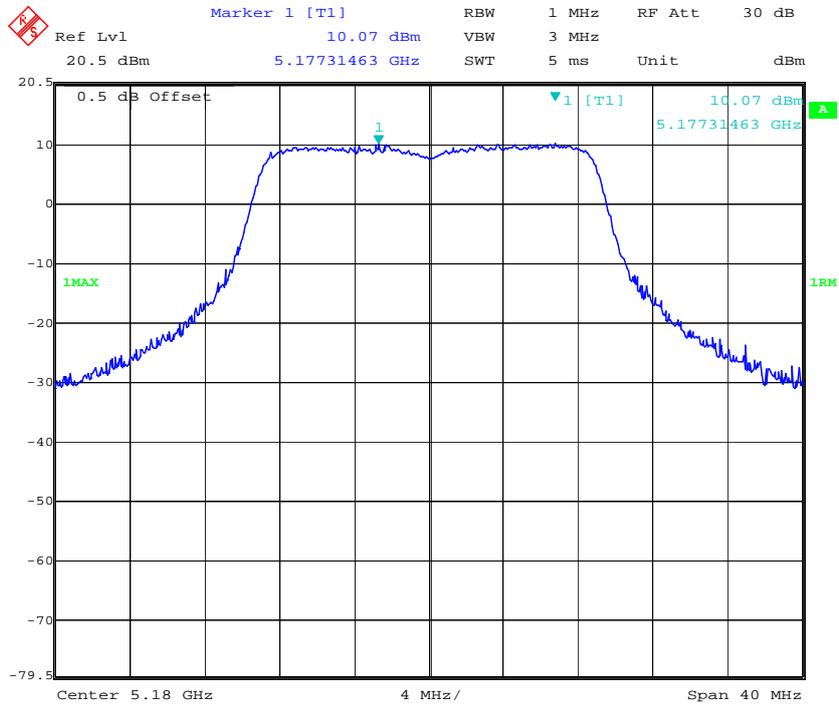


802.11a High Channel – Chain0



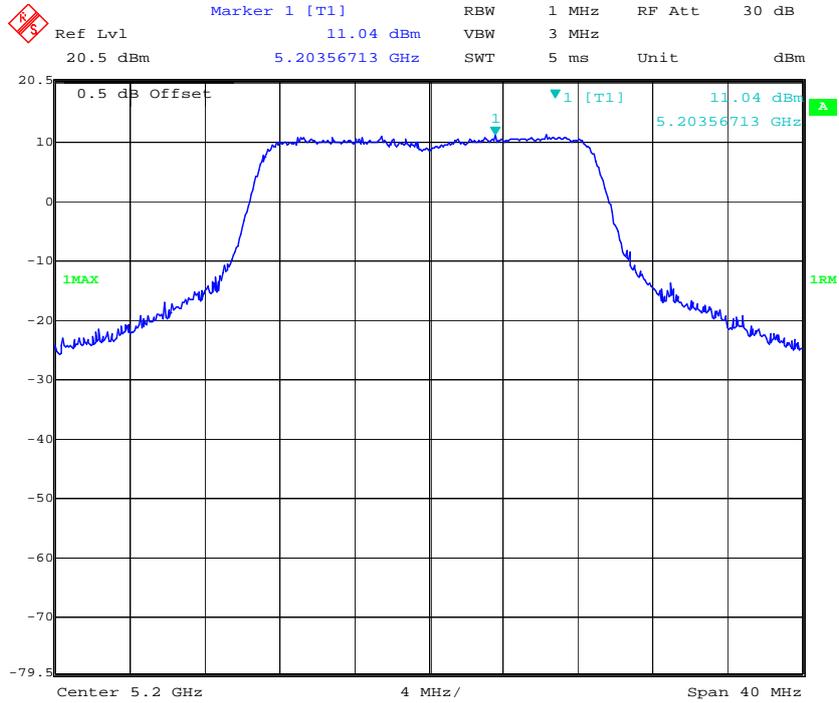
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802.11n ht20 Low Channel – Chain0



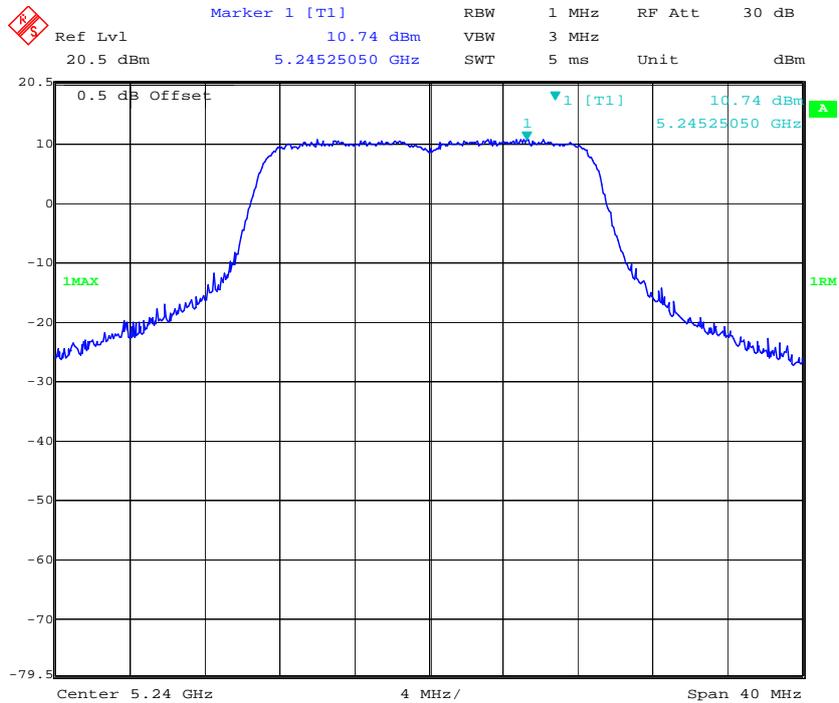
Date: 8.DEC.2016 13:54:31

802.11n ht20 Middle Channel – Chain0



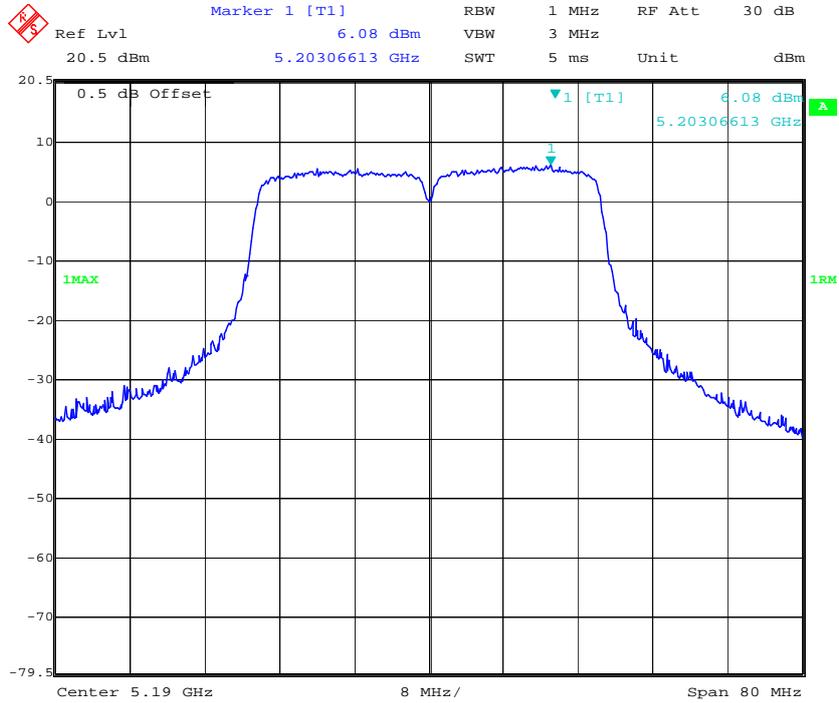
Date: 8.DEC.2016 13:55:08

802.11n ht20 High Channel – Chain0



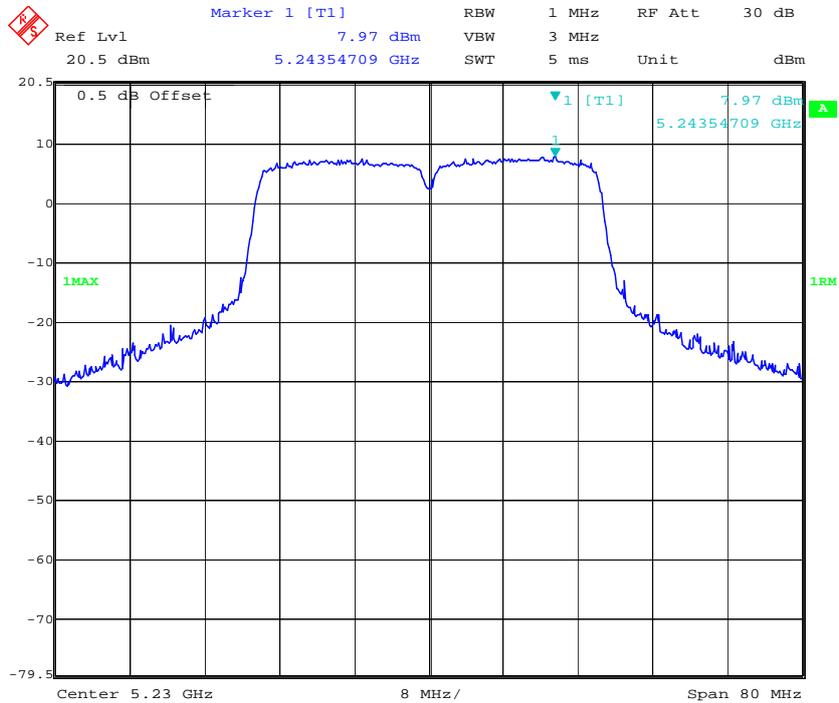
Date: 8.DEC.2016 13:55:26

802.11n ht40 Low Channel – Chain0



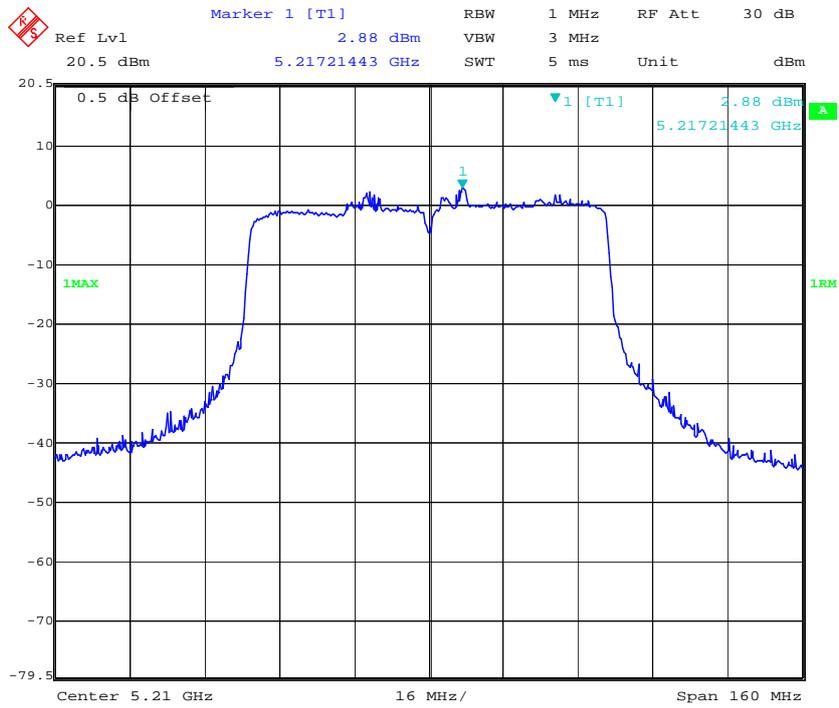
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802.11n ht40 High Channel – Chain0

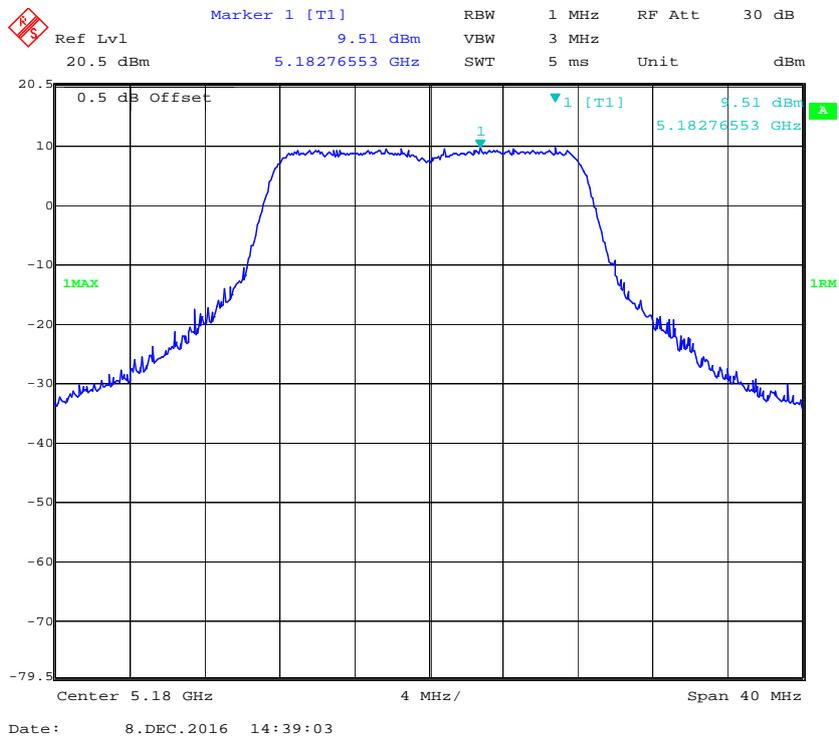


Date: 8.DEC.2016 13:55:48

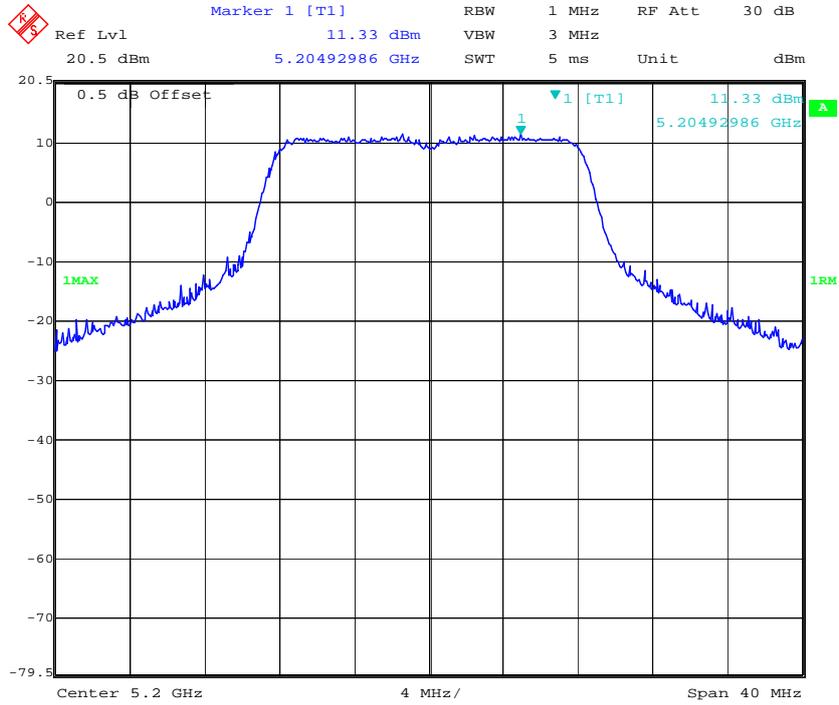
802.11 ac80 Middle Channel – Chain0



802.11a Low Channel – Chain1

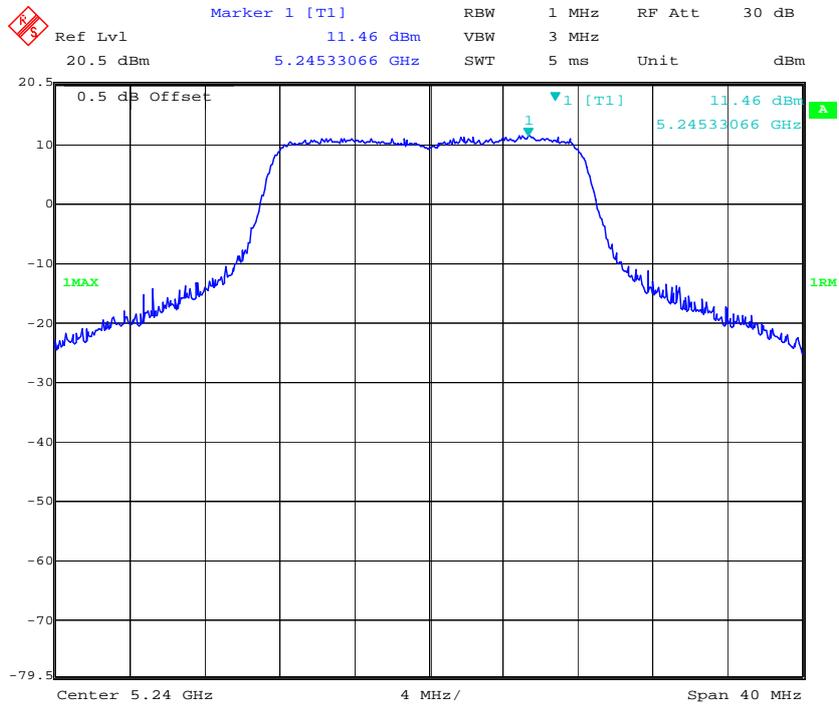


802.11a Middle Channel – Chain1



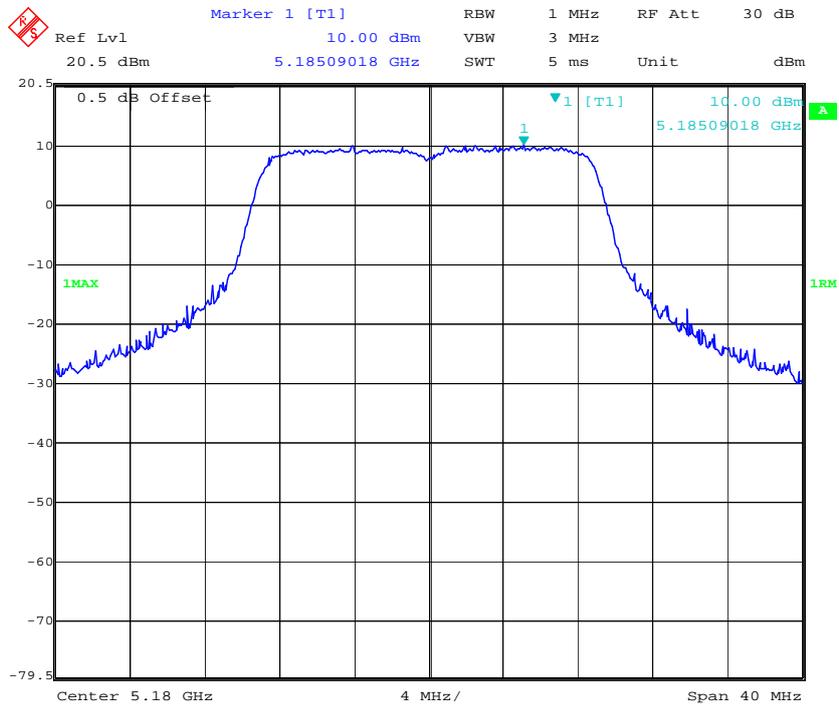
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802.11a High Channel – Chain1

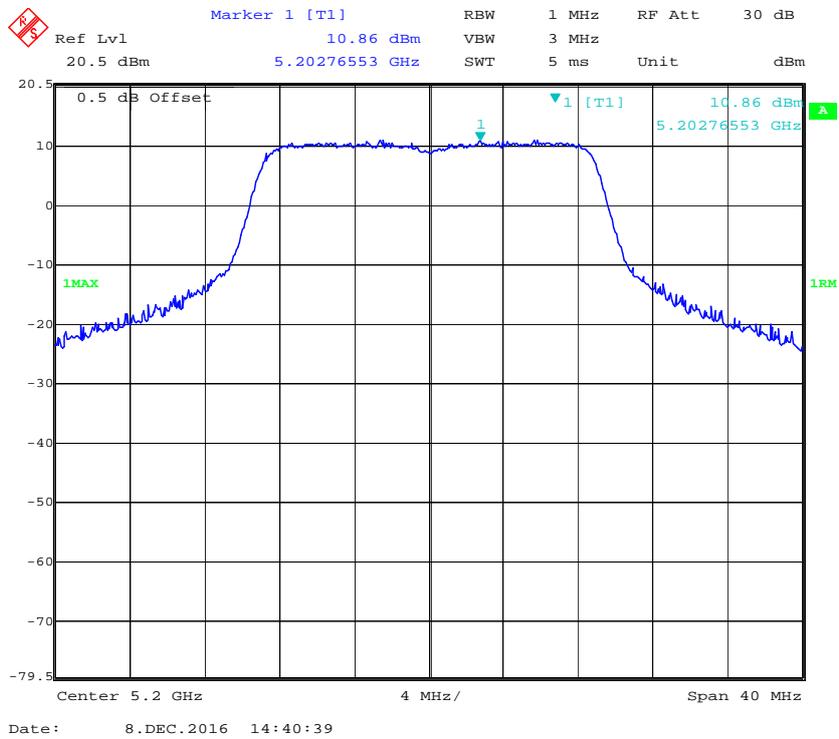


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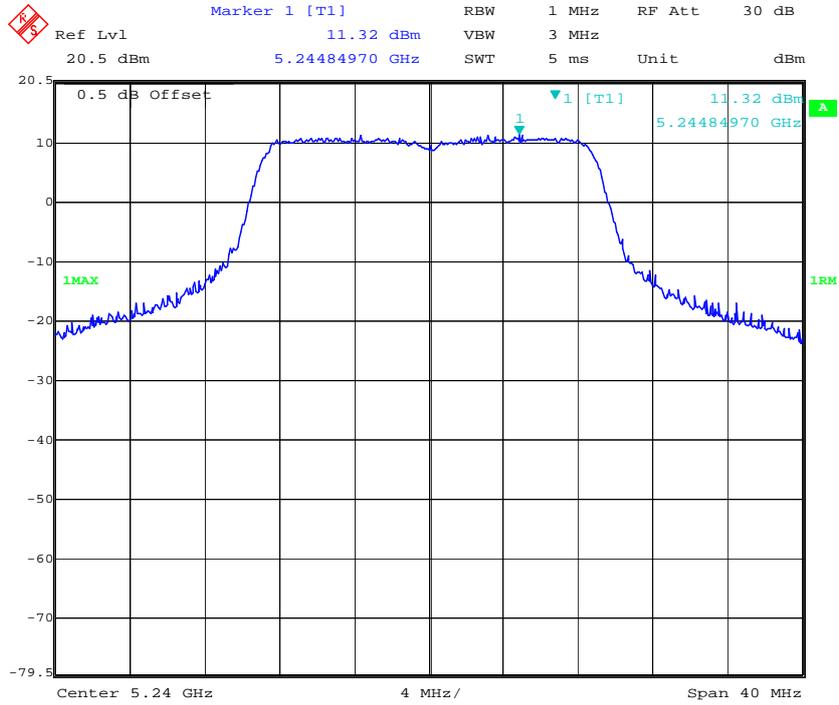
802.11n ht20 Low Channel – Chain1



802.11n ht20 Middle Channel – Chain1

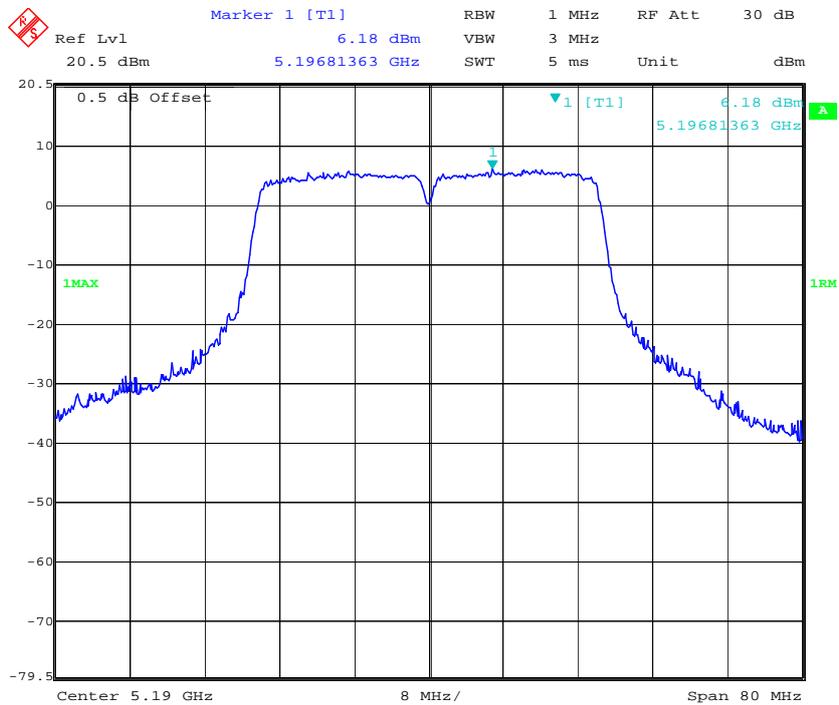


802.11n ht20 High Channel – Chain1



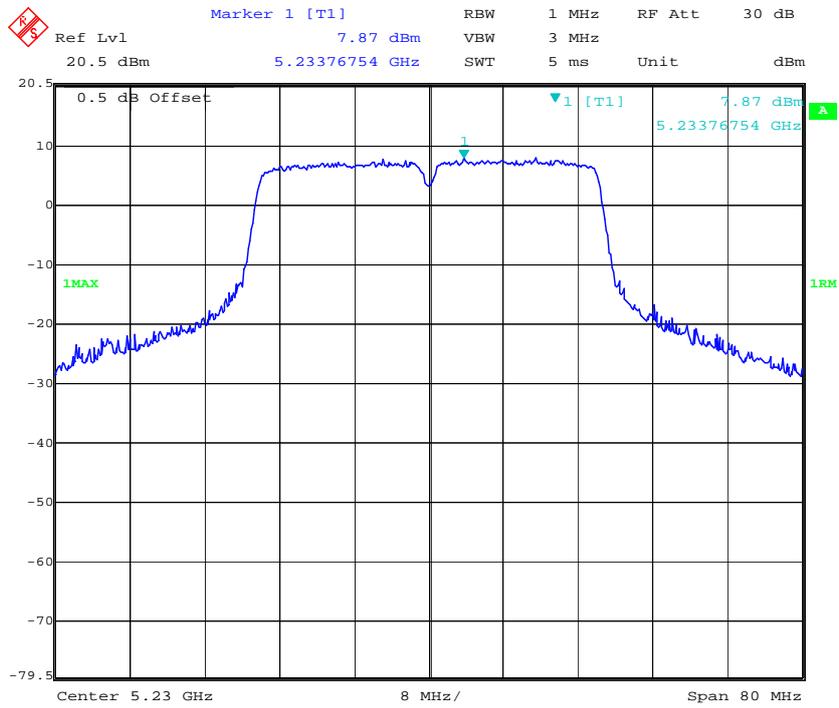
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802.11n ht40 Low Channel – Chain1



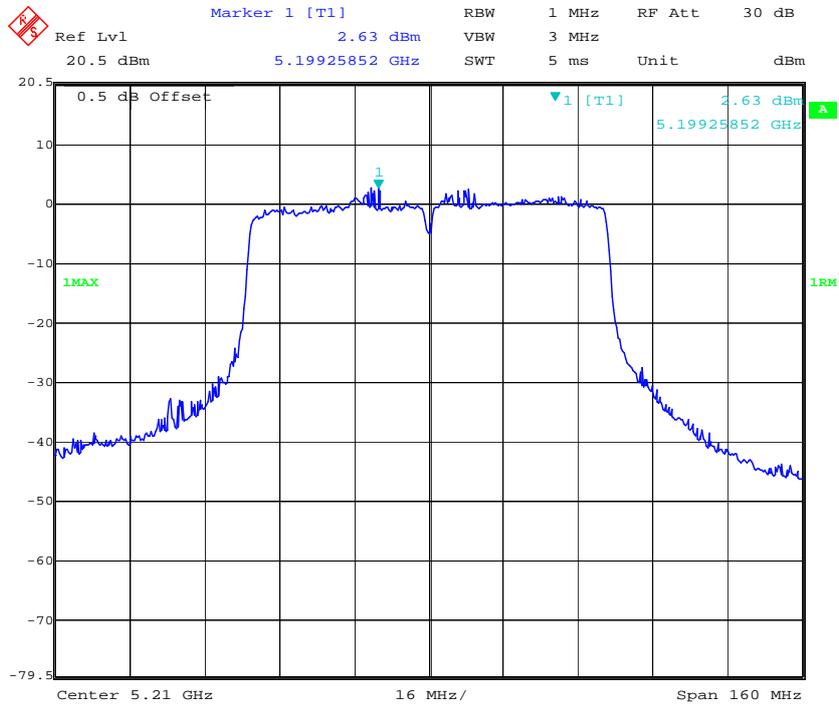
Date: 8.DEC.2016 14:41:25

802.11n ht40 High Channel – Chain1



Date: 8.DEC.2016 14:41:51

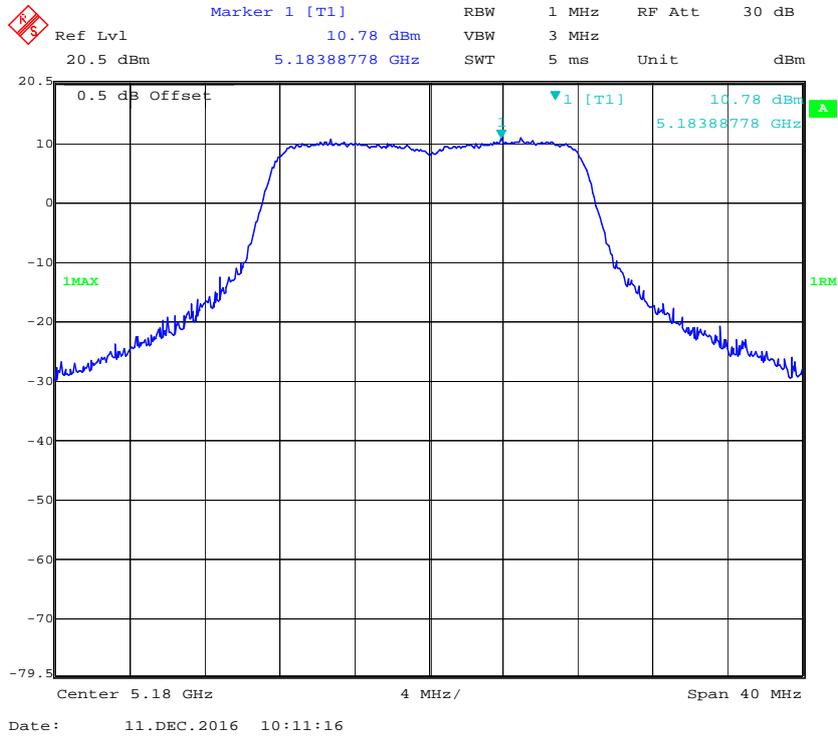
802.11 ac80 Middle Channel – Chain1



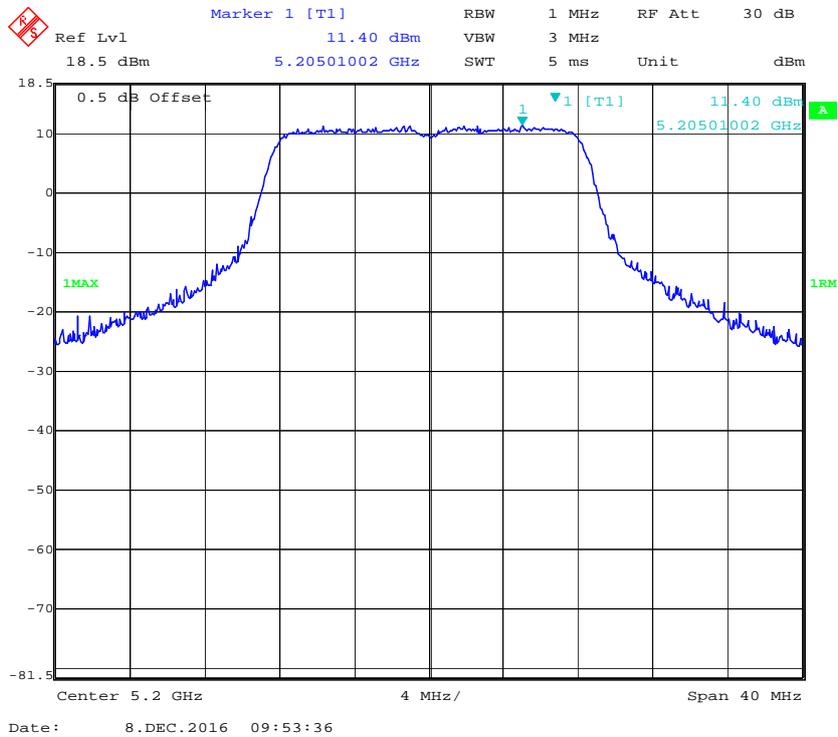
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3TX(Chain 0+ Chain 1+ Chain 2):

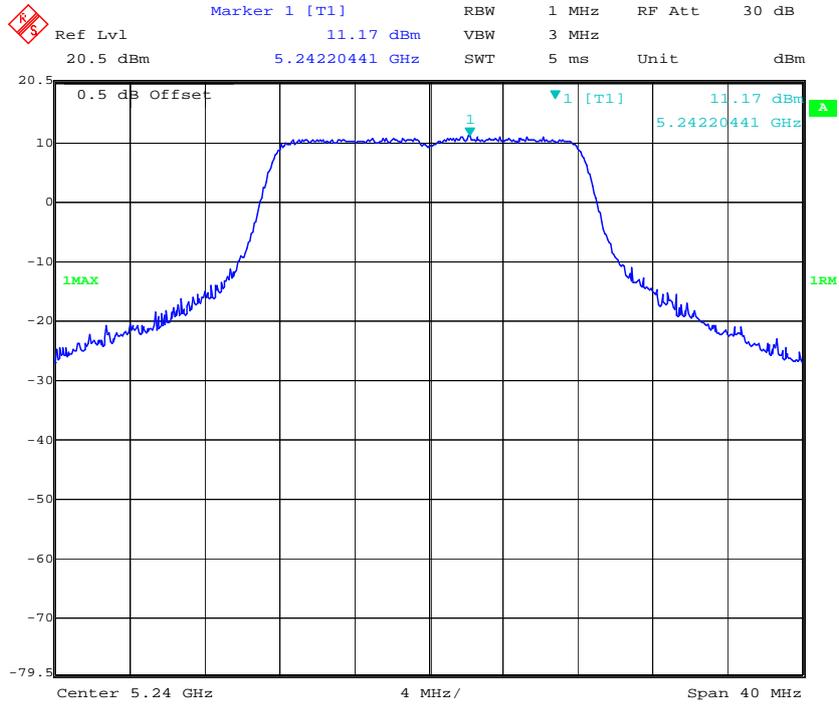
802.11a Low Channel – Chain0



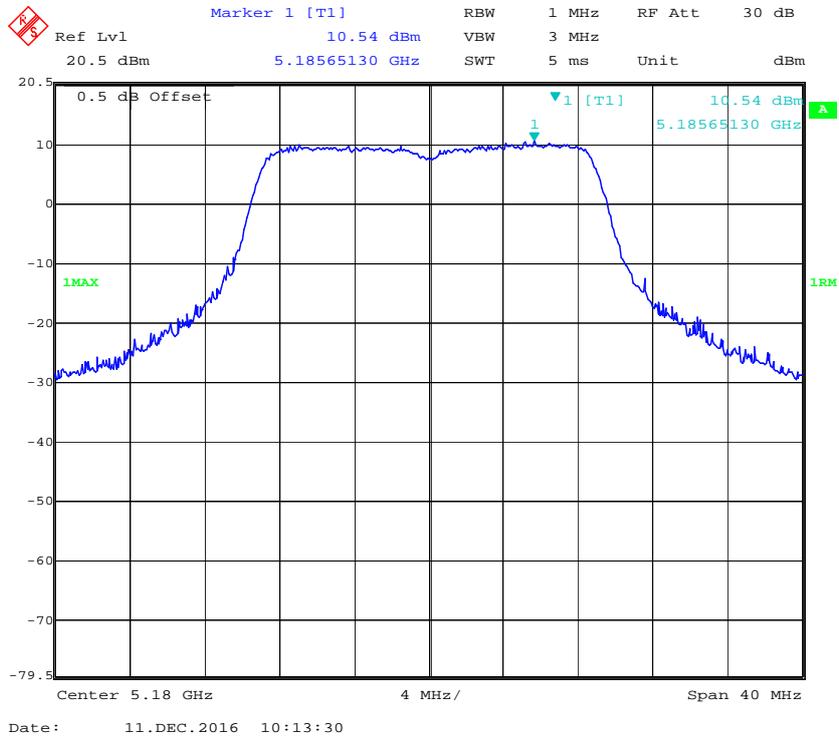
802.11a Middle Channel – Chain0



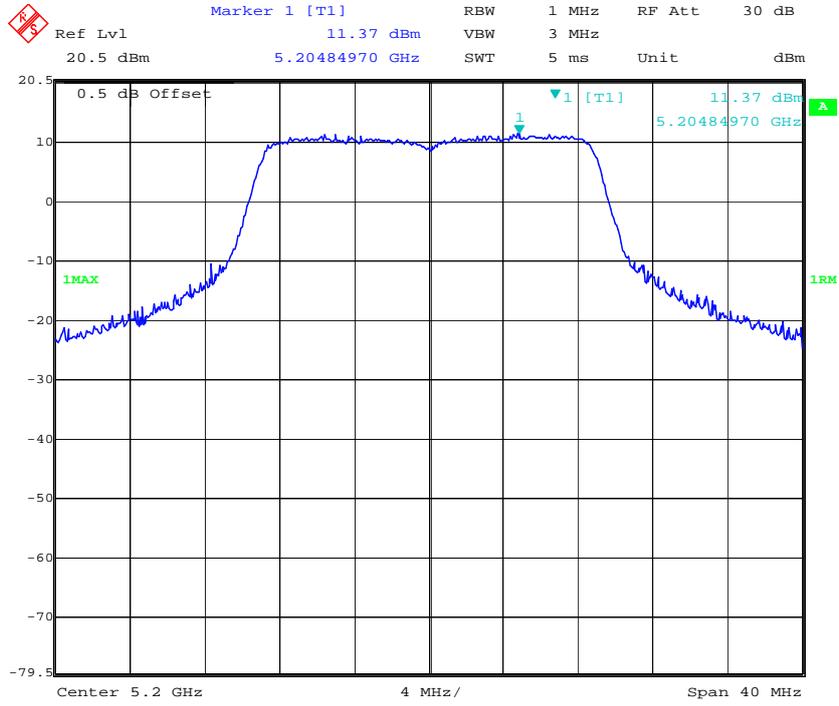
802.11a High Channel – Chain0



802.11n ht20 Low Channel – Chain0

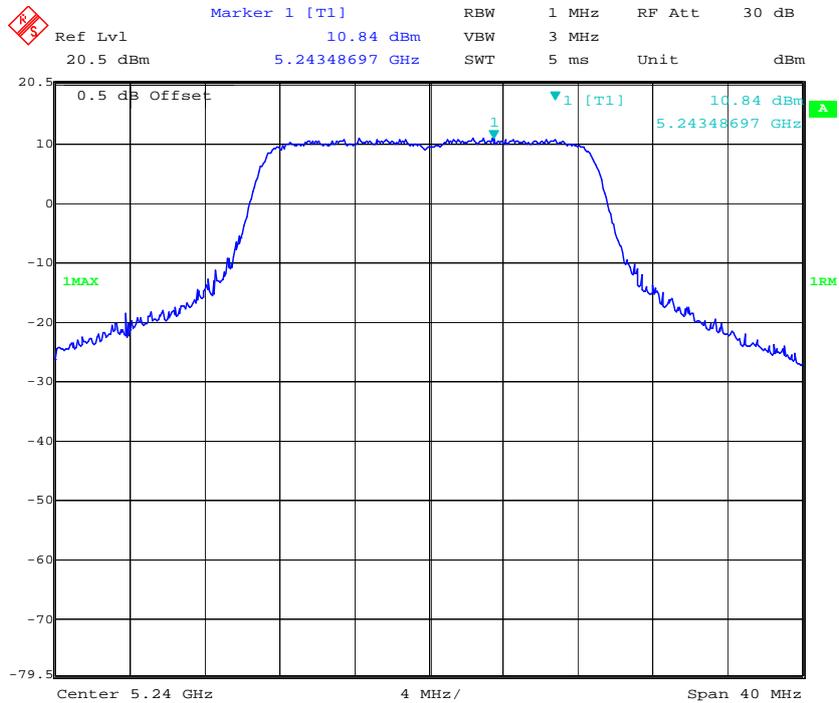


802.11n ht20 Middle Channel – Chain0



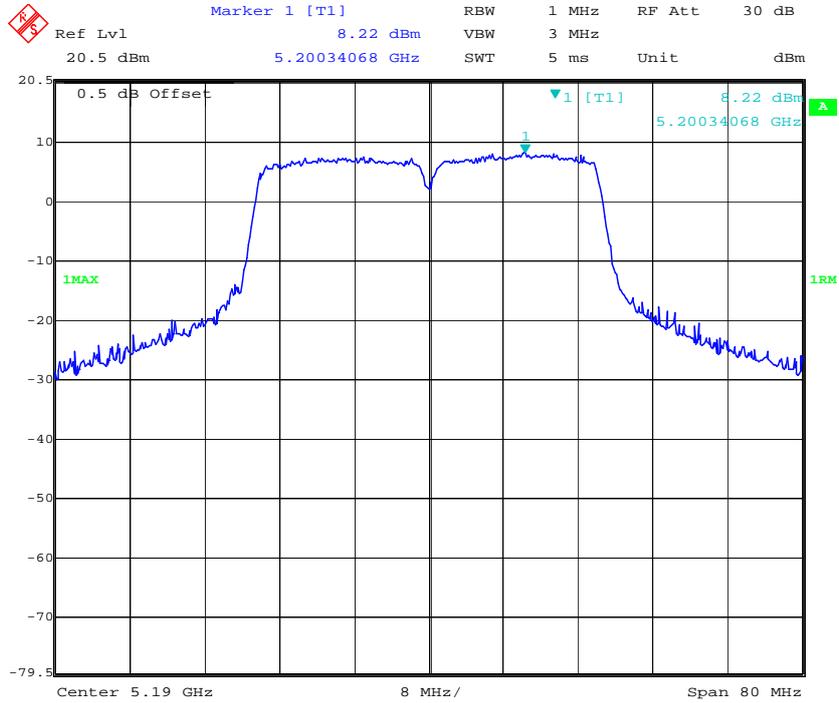
Date: 11.DEC.2016 10:13:05

802.11n ht20 High Channel – Chain0



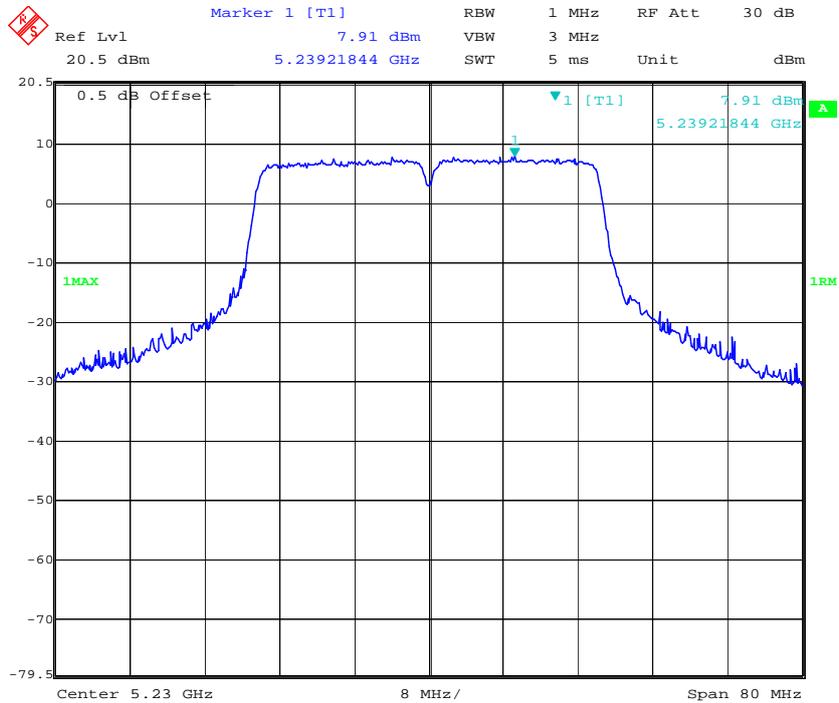
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802.11n ht40 Low Channel – Chain0



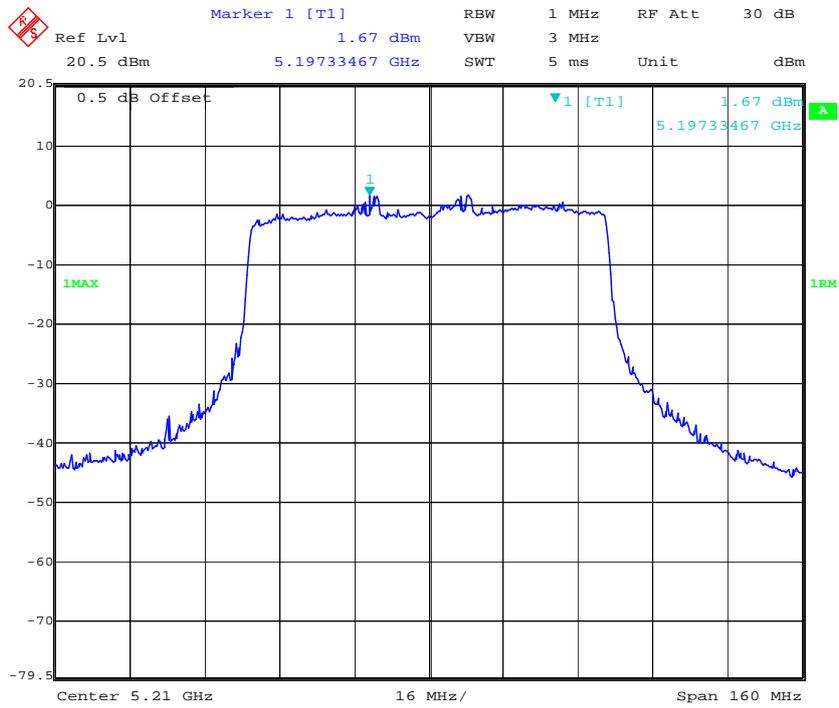
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802.11n ht40 High Channel – Chain0

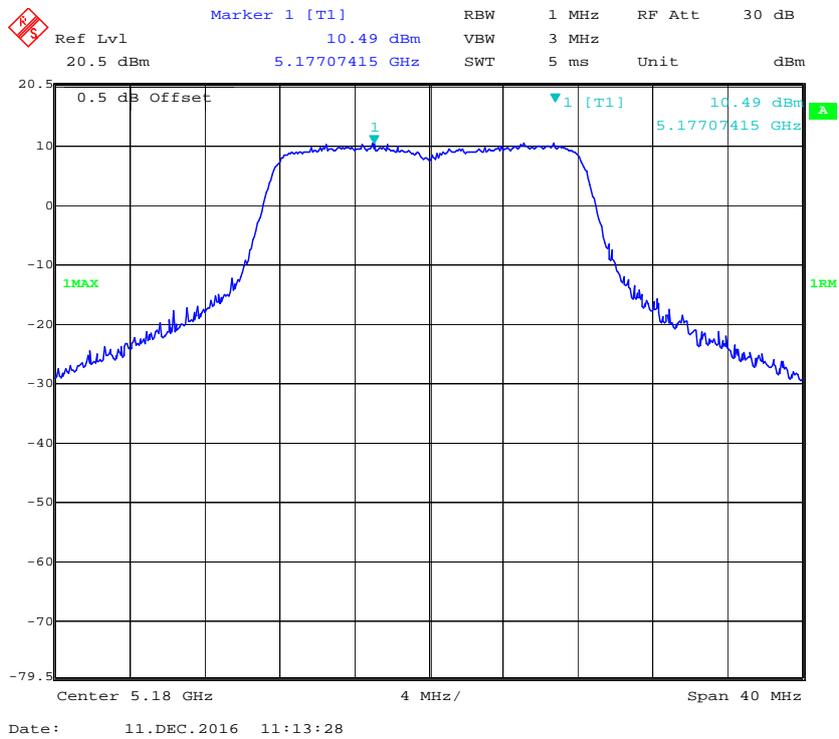


Date: 11.DEC.2016 10:15:02

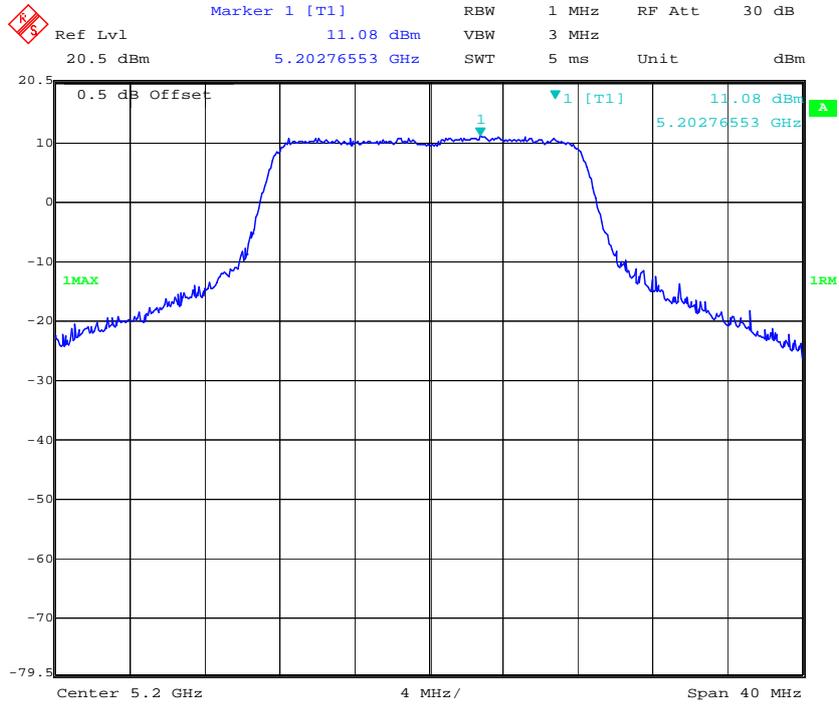
802.11 ac80 Middle Channel – Chain0



802.11a Low Channel – Chain1

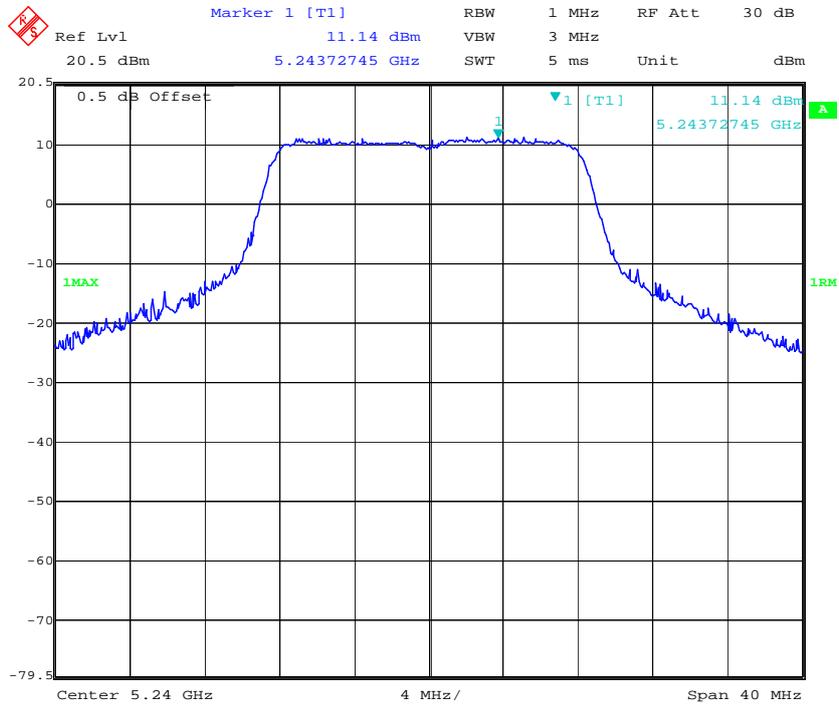


802.11a Middle Channel – Chain1



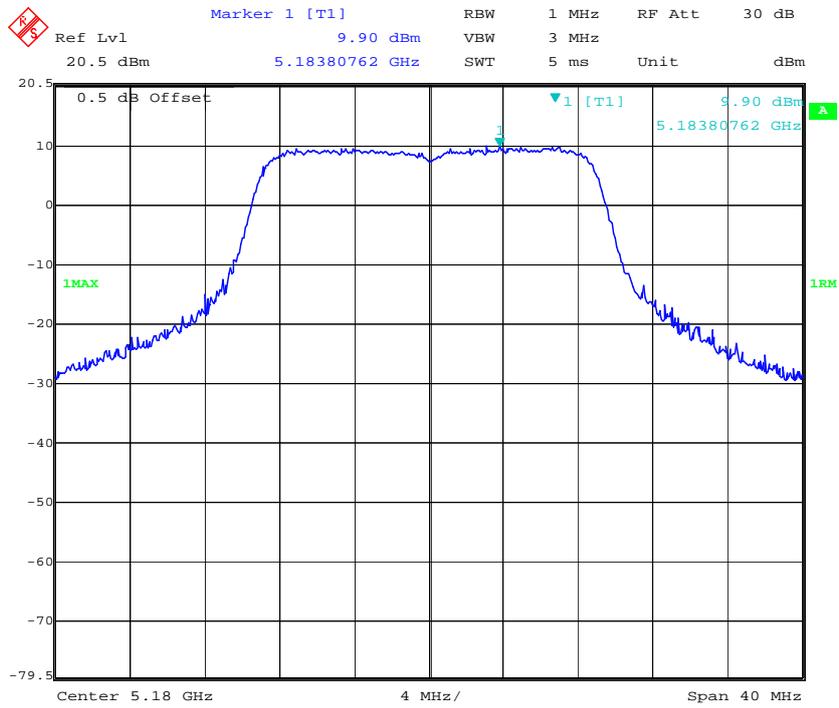
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802.11a High Channel – Chain1



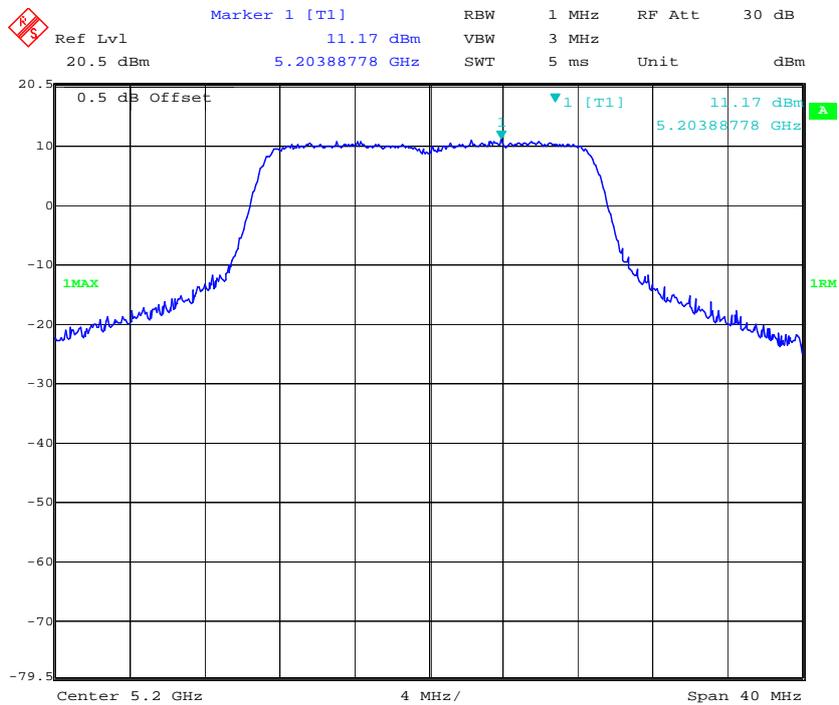
Date: 11.DEC.2016 11:14:05

802.11n ht20 Low Channel – Chain1



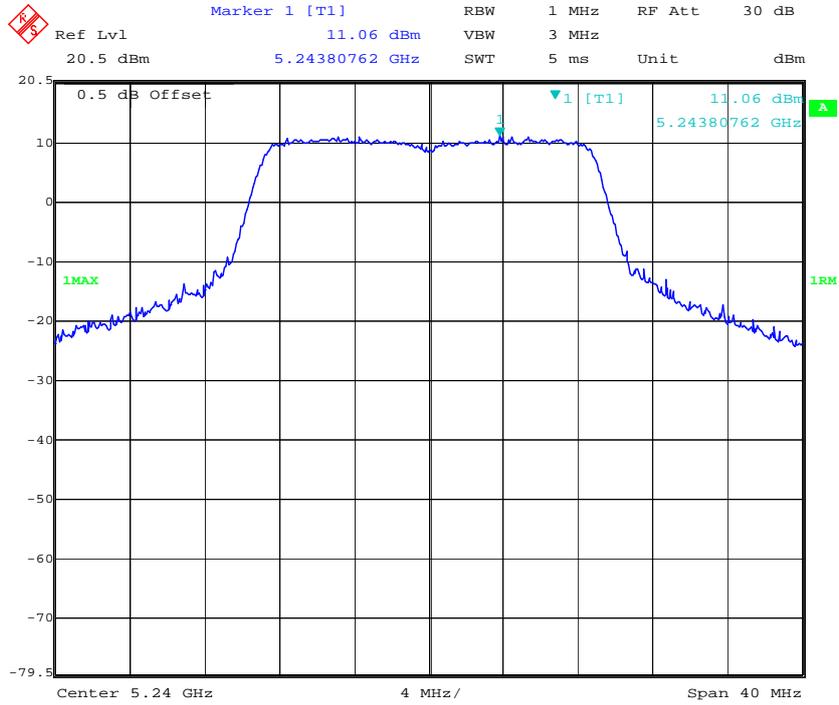
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802.11n ht20 Middle Channel – Chain1



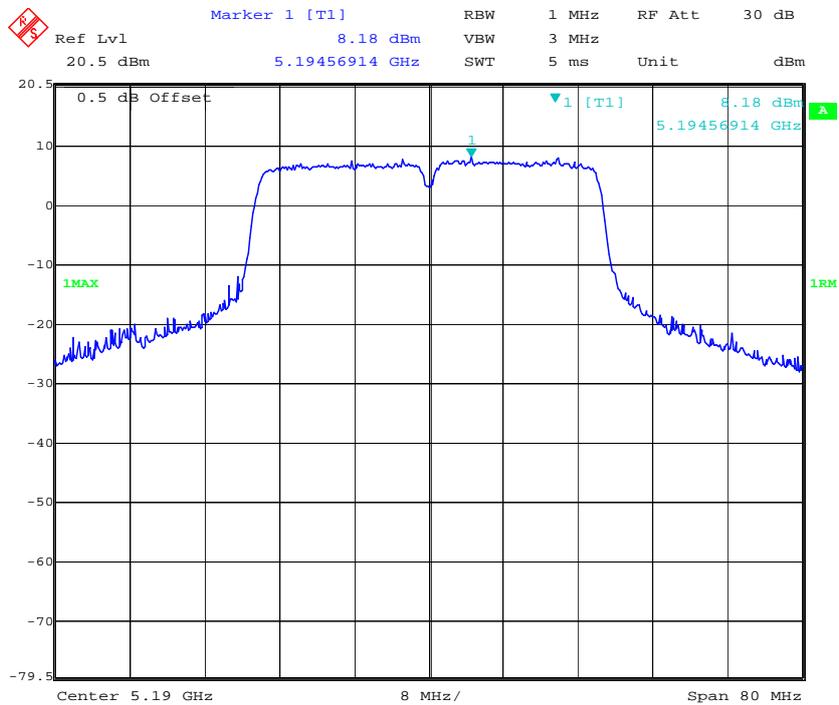
Date: 11.DEC.2016 11:12:39

802.11n ht20 High Channel – Chain1



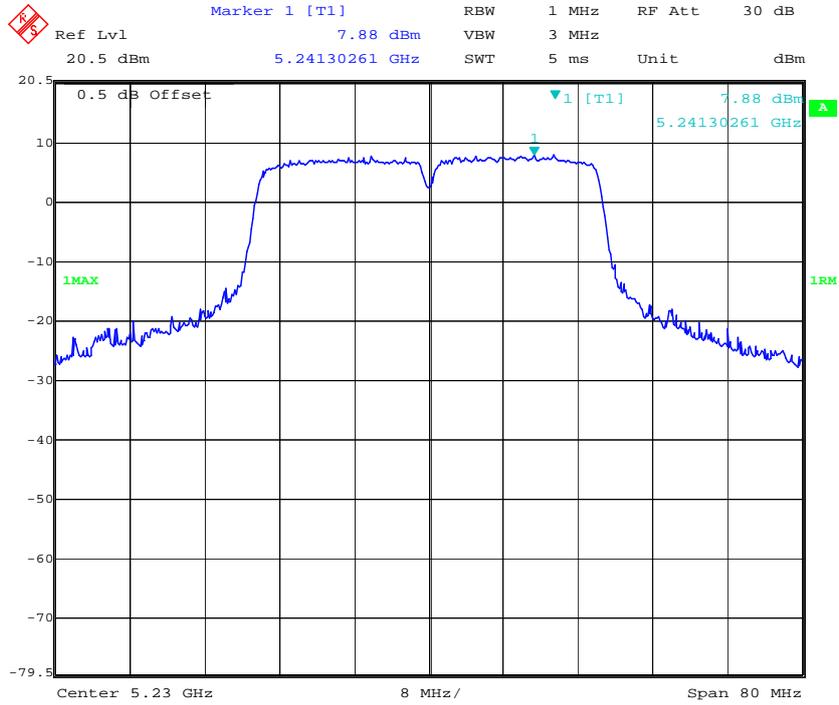
Date: 11.DEC.2016 11:12:21

802.11n ht40 Low Channel – Chain1



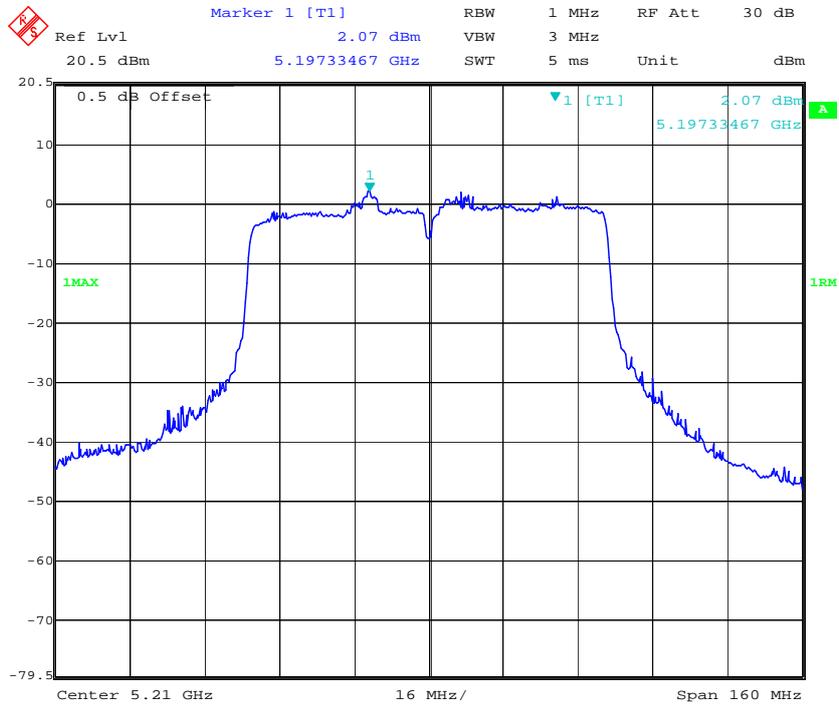
Date: 11.DEC.2016 11:10:56

802.11n ht40 High Channel – Chain1



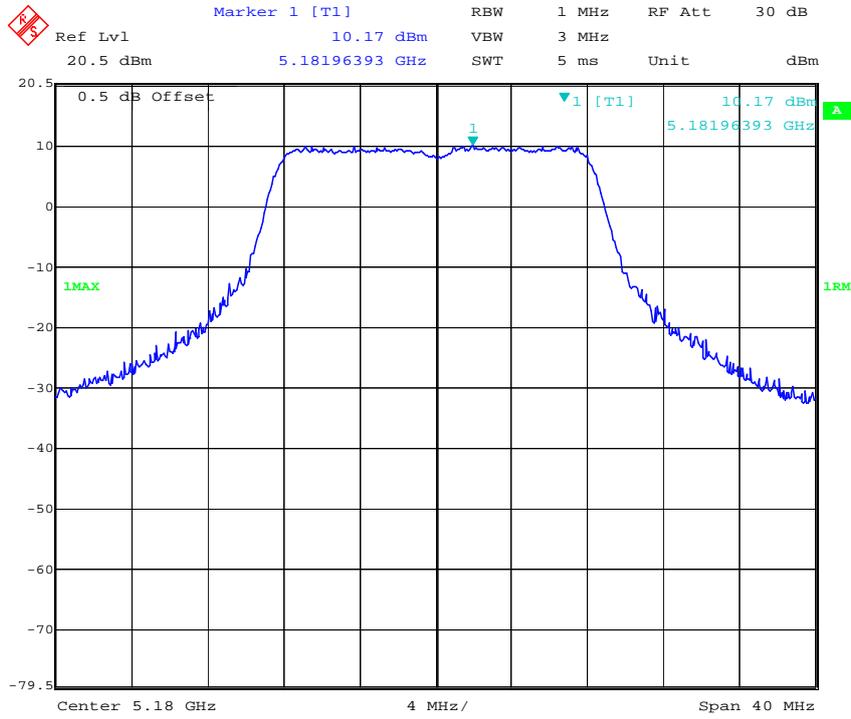
Date: 11.DEC.2016 11:12:02

802.11 ac80 Middle Channel – Chain1



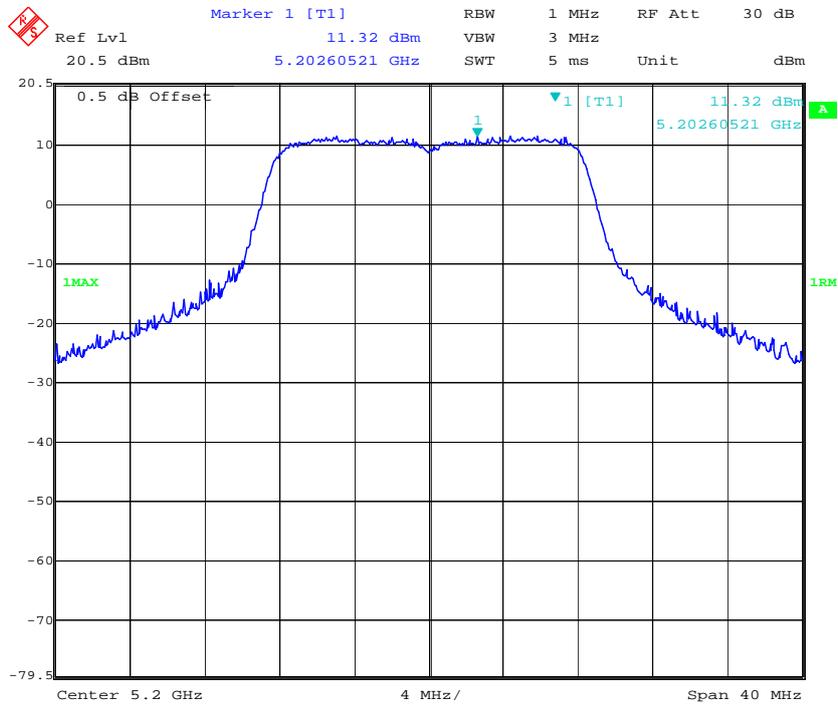
Date: 11.DEC.2016 11:10:06

802.11a Low Channel – Chain2



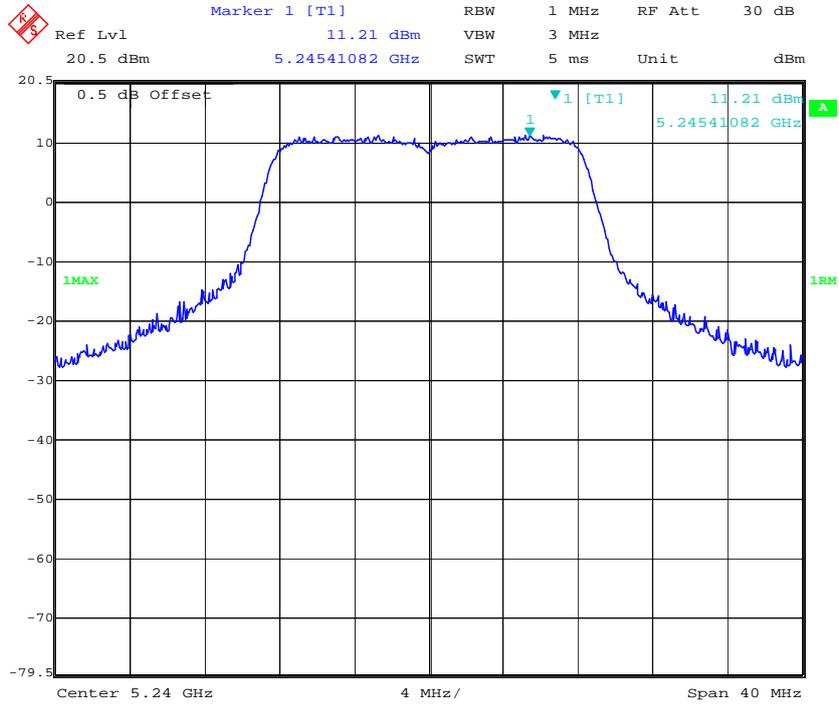
Date: 11.DEC.2016 11:01:50

802.11a Middle Channel – Chain2

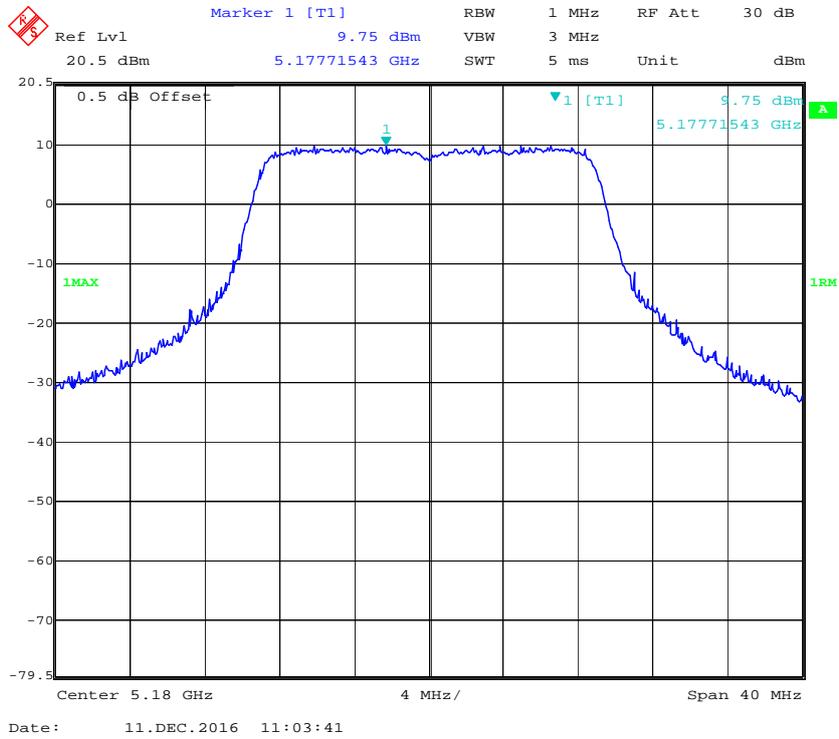


Date: 11.DEC.2016 11:02:18

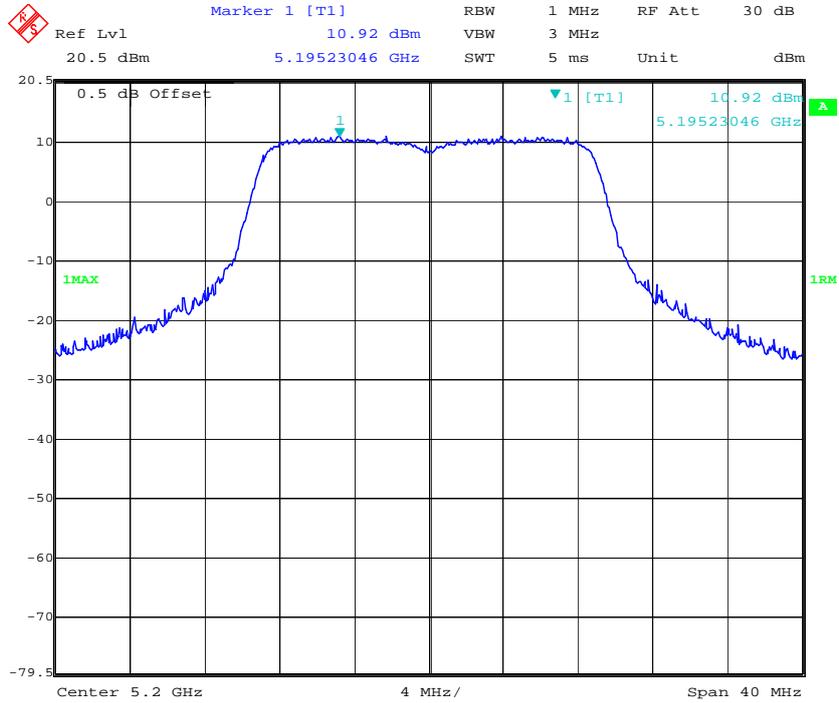
802.11a High Channel – Chain2



802.11n ht20 Low Channel – Chain2

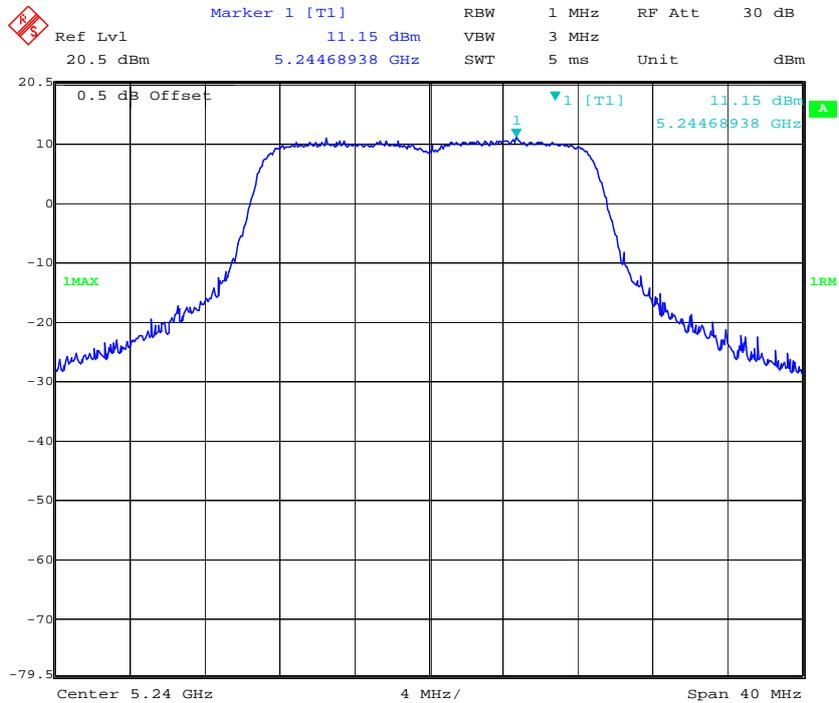


802.11n ht20 Middle Channel – Chain2



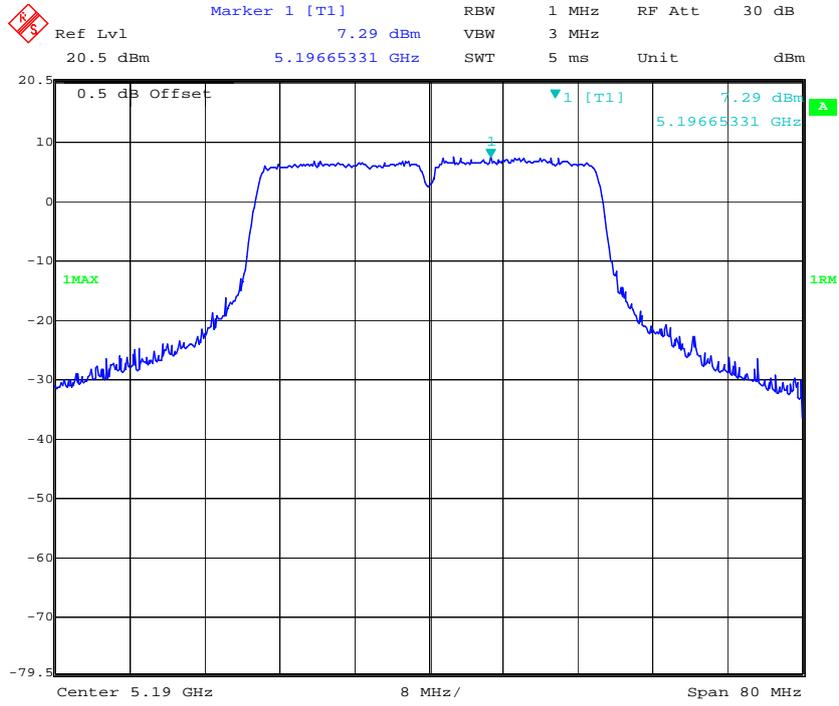
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802.11n ht20 High Channel – Chain2



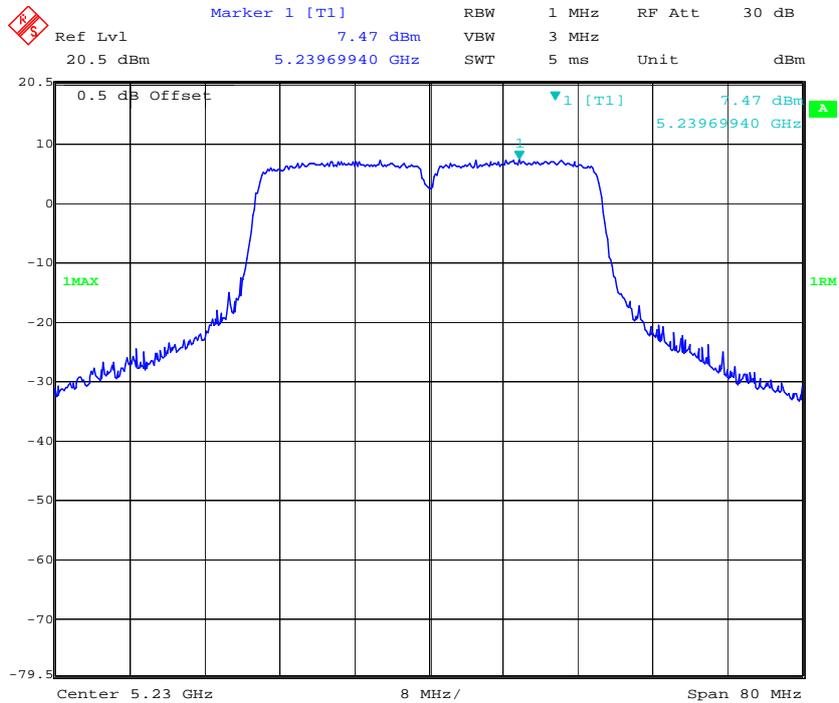
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802.11n ht40 Low Channel – Chain2



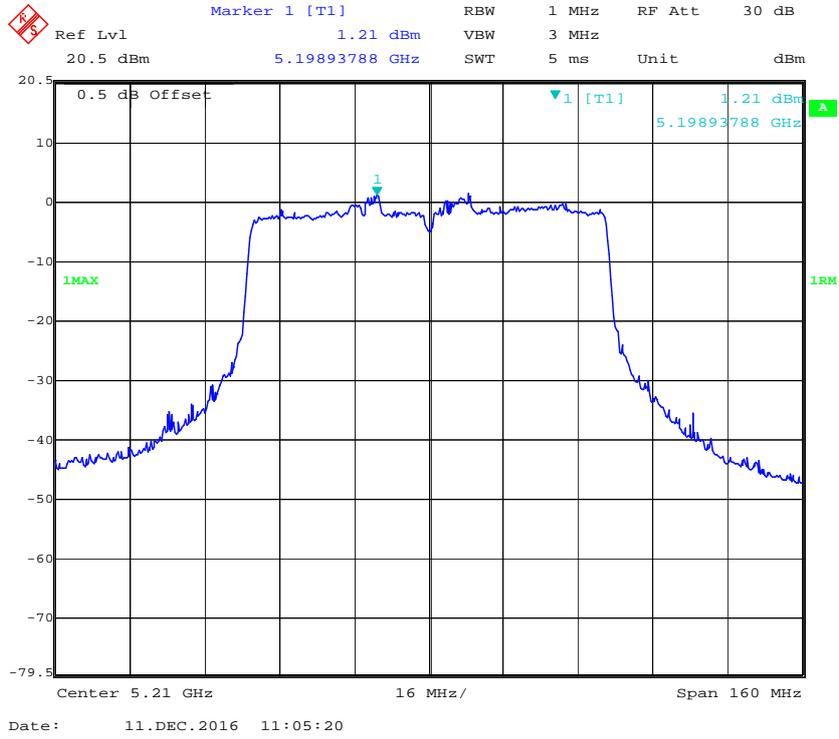
Date: 11.DEC.2016 11:04:09

802.11n ht40 High Channel – Chain2



Date: 11.DEC.2016 11:04:27

802.11 ac80 Middle Channel – Chain2



**5250-5350MHz:
SISO:**

Mode	Channel	Frequency (MHz)	Test Data (dBm/MHz)			Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)
			Chain 0	Chain 1	Chain 2		Chain 0	Chain 1	Chain 2	
802.11 a	Low	5260	10.16	10.13	10.16	0.13	10.29	10.26	10.29	11
	Middle	5280	10.2	10.39	9.73	0.13	10.33	10.52	9.86	11
	High	5320	9.97	9.93	9.72	0.13	10.1	10.06	9.85	11
802.11 n20	Low	5260	9.84	9.85	9.49	0.18	10.02	10.03	9.67	11
	Middle	5280	9.95	9.88	9.55	0.18	10.13	10.06	9.73	11
	High	5320	9.84	9.92	9.37	0.18	10.02	10.1	9.55	11
802.11 n40	Low	5270	7.52	7.44	7.1	0.46	7.98	7.9	7.56	11
	High	5310	7.35	7.48	6.89	0.46	7.81	7.94	7.35	11
802.11 ac80	Middle	5290	3.62	3.66	3.23	0.60	4.22	4.26	3.83	11

2TX:

Mode	Channel	Frequency (MHz)	Test Data (dBm/MHz)		Total (dBm/MHz)	Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
			Chain 0	Chain 1				
802.11 a	Low	5260	6.86	7.67	10.29	0.13	10.42	11
	Middle	5280	7.17	7.75	10.48	0.13	10.61	11
	High	5320	6.93	7.84	10.42	0.13	10.55	11
802.11 n20	Low	5260	6.6	7.38	10.02	0.18	10.2	11
	Middle	5280	6.63	7.33	10	0.18	10.18	11
	High	5320	6.78	7.1	9.95	0.18	10.13	11
802.11 n40	Low	5270	7.25	7.55	10.41	0.46	10.87	11
	High	5310	5.46	5.6	8.54	0.46	9.00	11
802.11 ac80	Middle	5290	2.13	6.37	7.76	0.60	8.36	11

Note: the device is a master device. the 3 antenna maximum antenna gain are 2.0dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO 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:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2 + 10 \cdot \log(2) = 5 \text{ dBi} < 6 \text{ dBi}$$

3TX:

Mode	Channel	Frequency (MHz)	Power Spectral Density(dBm/MHz)			Total (dBm/MHz)	Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
			Chain 0	Chain 1	Chain 2				
802.11 a	Low	5260	4.85	5.39	5.21	9.93	0.13	10.06	10.23
	Middle	5280	5.03	5.14	5.15	9.88	0.13	10.01	10.23
	High	5320	4.69	5.13	4.87	9.67	0.13	9.8	10.23
802.11 n20	Low	5260	4.51	4.82	4.41	9.35	0.18	9.53	10.23
	Middle	5280	4.76	4.8	4.55	9.48	0.18	9.66	10.23
	High	5320	4.35	5.19	4.41	9.44	0.18	9.62	10.23
802.11 n40	Low	5270	4.15	4.81	4.13	9.15	0.46	9.61	10.23
	High	5310	4.06	4.6	4.07	9.02	0.46	9.48	10.23
802.11 ac80	Middle	5290	4.01	3.9	3.13	8.47	0.60	9.07	10.23

Note: the device is a master device. the 3 antenna maximum antenna gain are 2.0dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

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

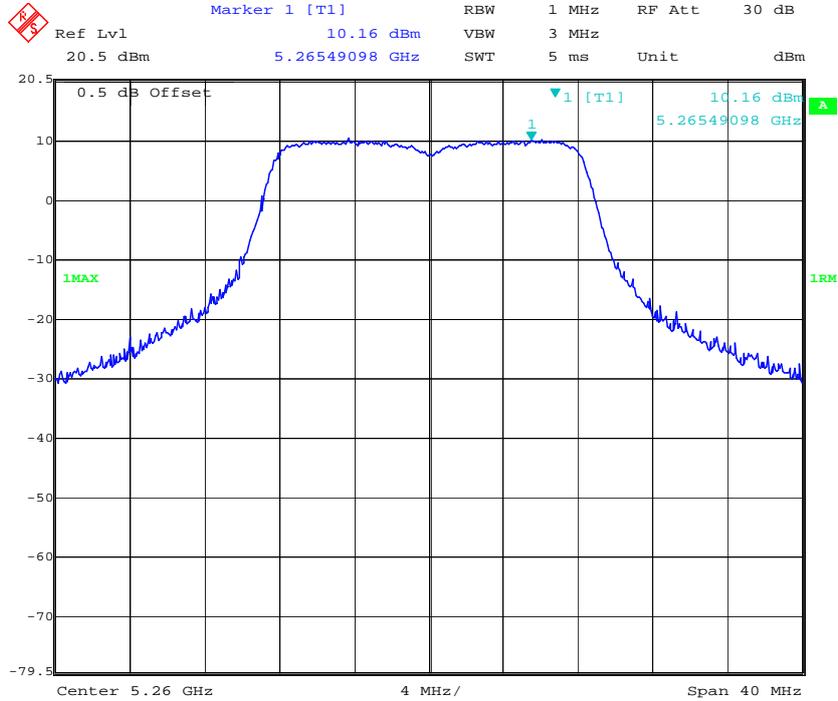
So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2 + 10 \cdot \log(3) = 6.77 \text{ dBi} > 6 \text{dBi}$$

$$\text{Power density Limits} = 11 - (6.77 - 6) = 10.23 \text{ dBm}$$

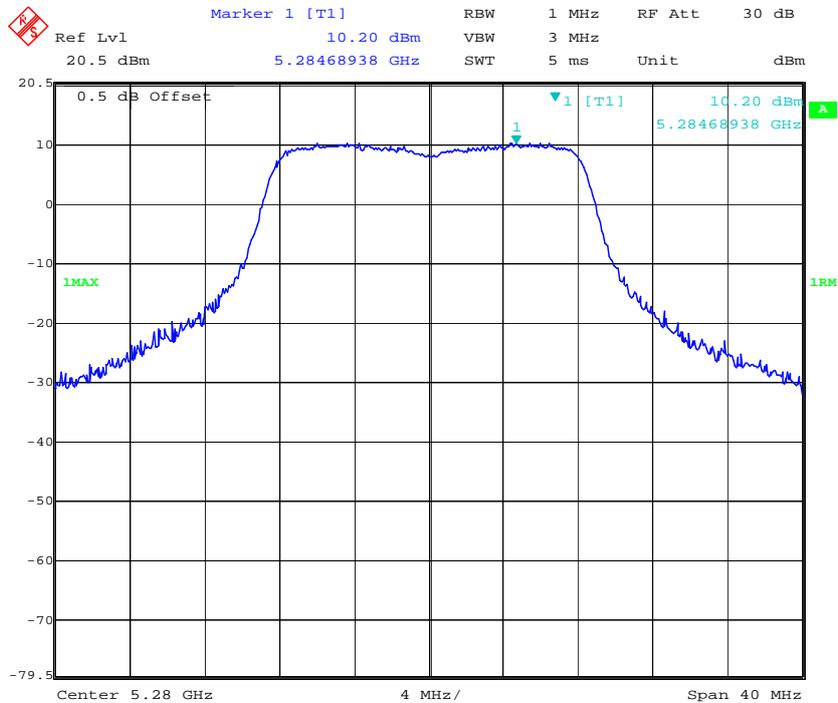
5250MHz-5350MHz:
SISO:

802.11a Low Channel – Chain0



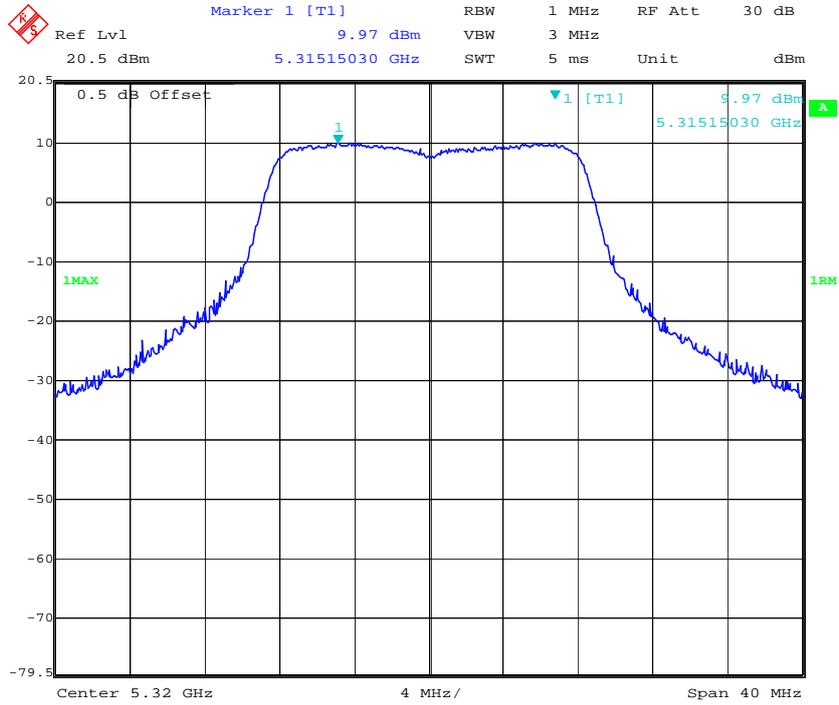
Date: 8.DEC.2016 10:22:29

802.11a Middle Channel – Chain0

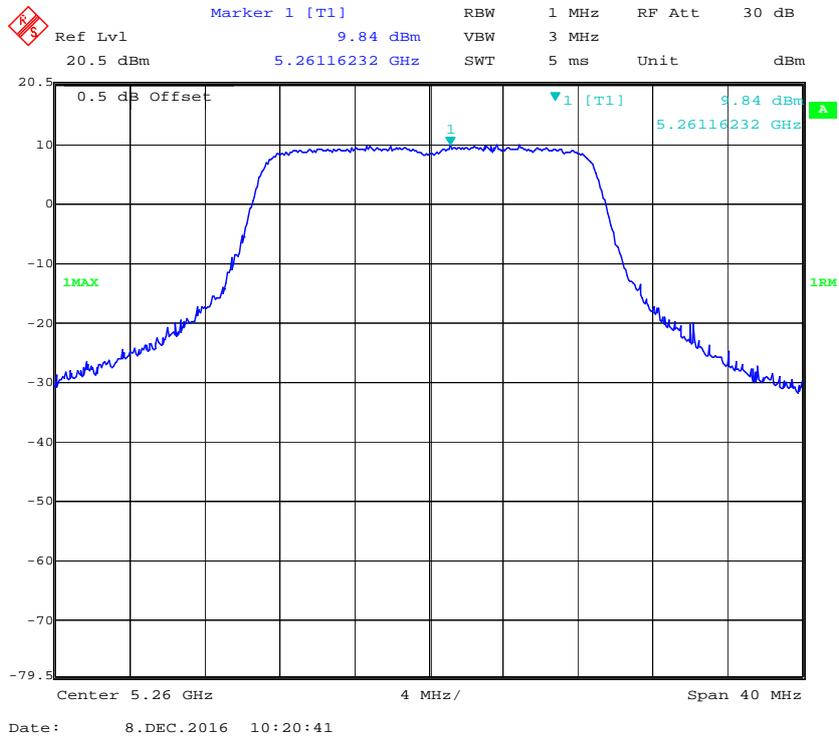


Date: 8.DEC.2016 10:24:02

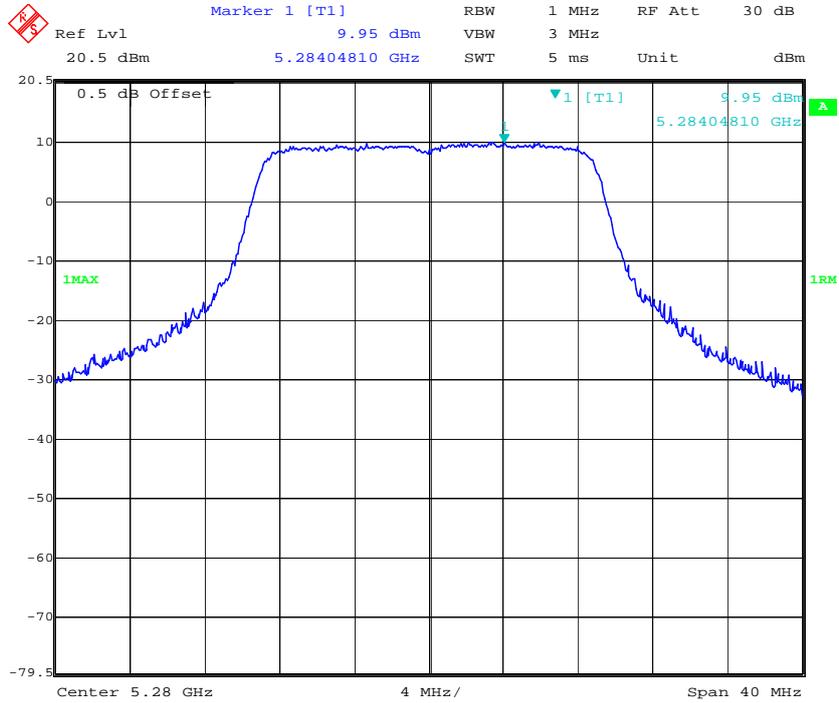
802.11a High Channel – Chain0



802.11n ht20 Low Channel – Chain0

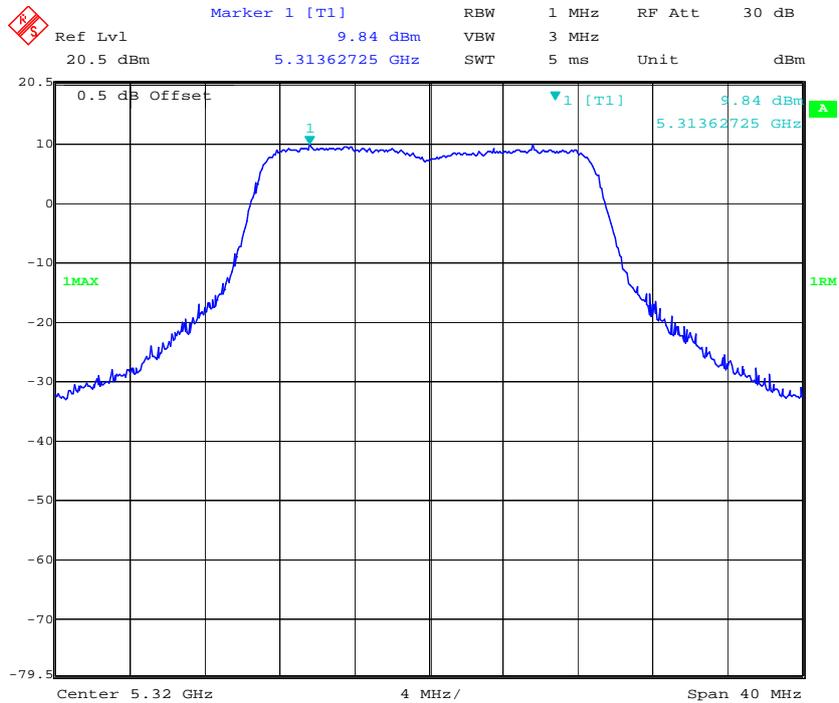


802.11n ht20 Middle Channel – Chain0



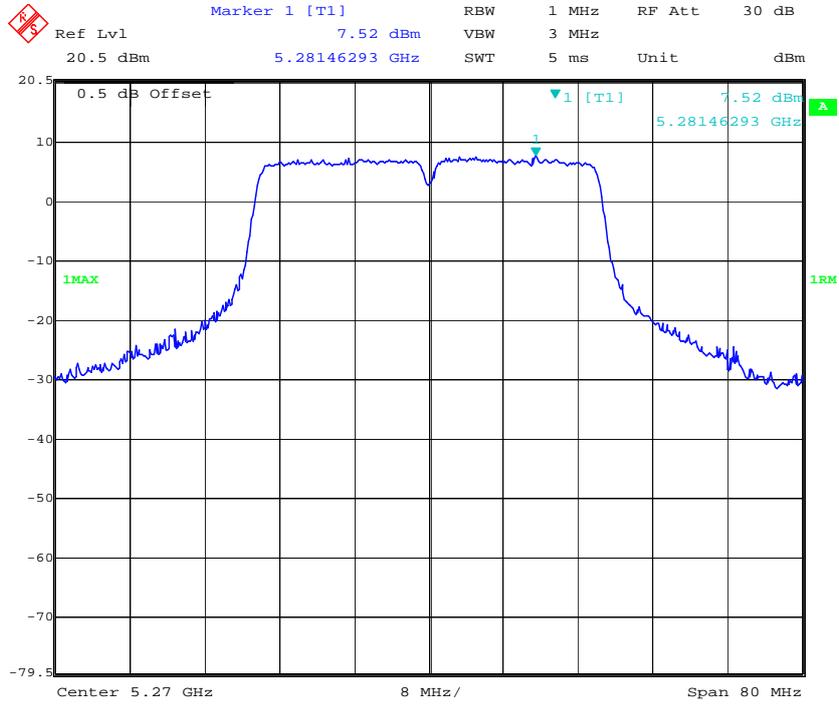
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802.11n ht20 High Channel – Chain0



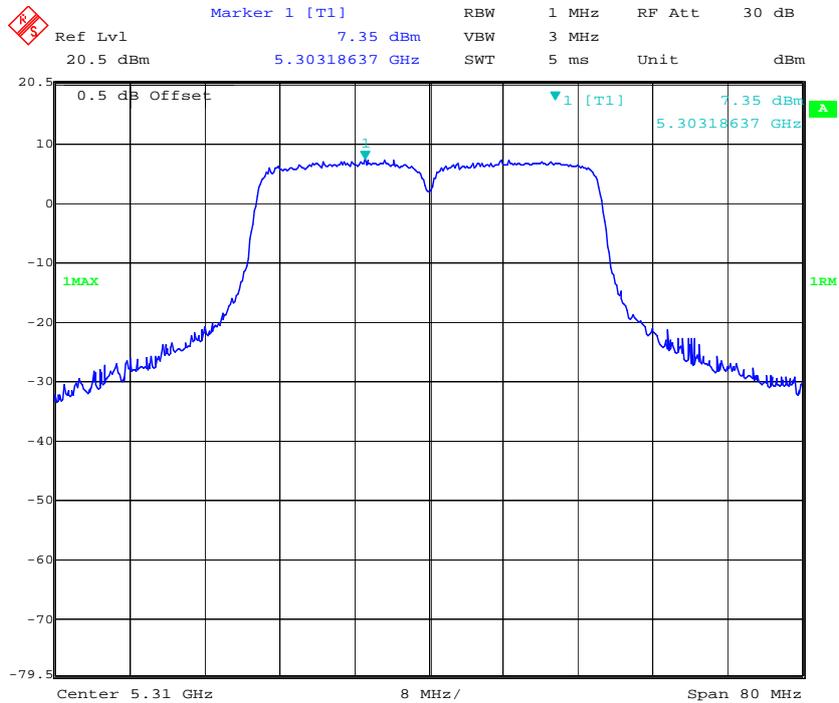
Date: 8.DEC.2016 10:13:05

802.11n ht40 Low Channel – Chain0



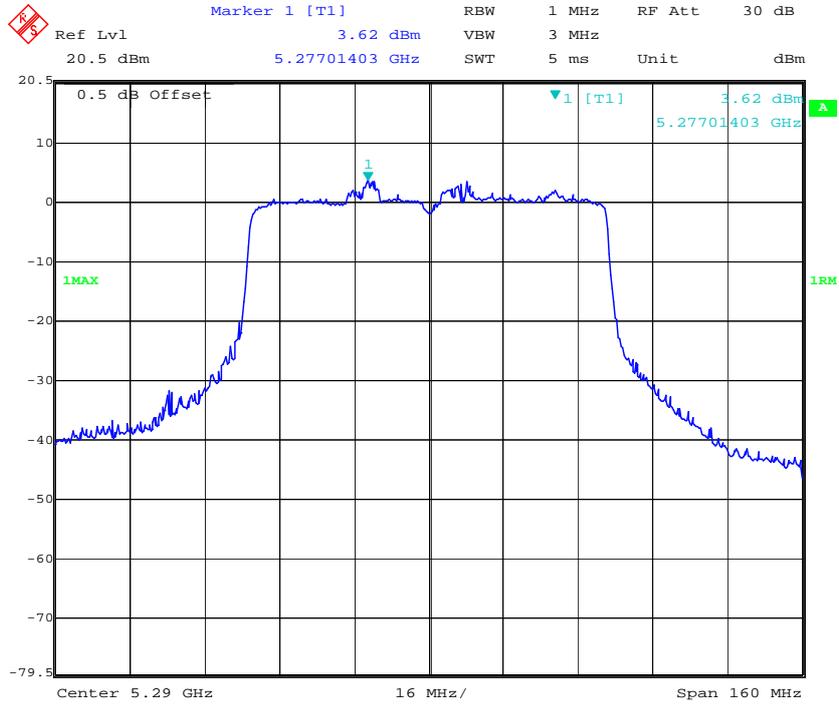
Date: 8.DEC.2016 10:09:45

802.11n ht40 High Channel – Chain0

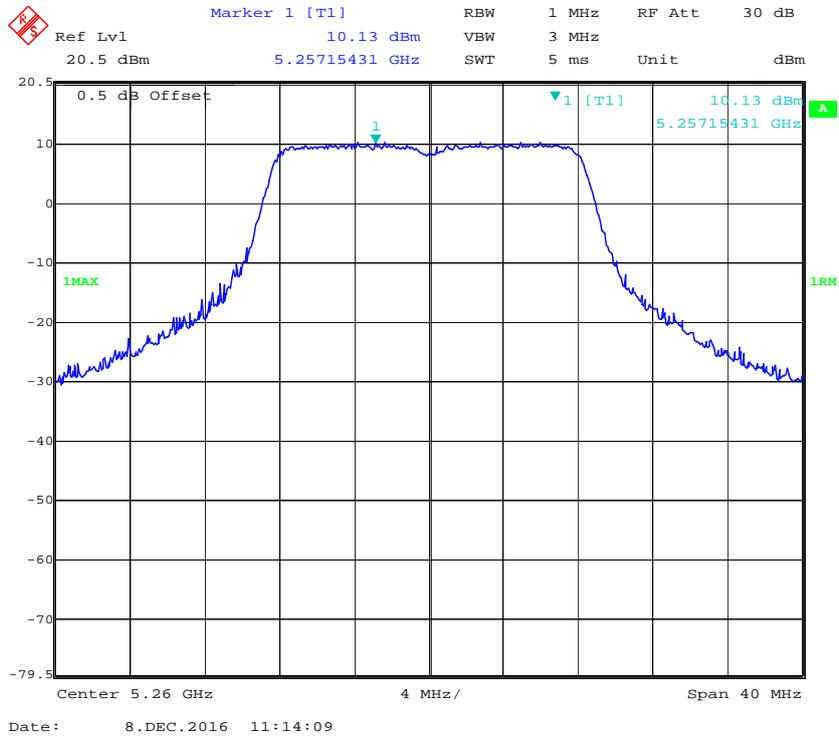


Date: 8.DEC.2016 10:11:33

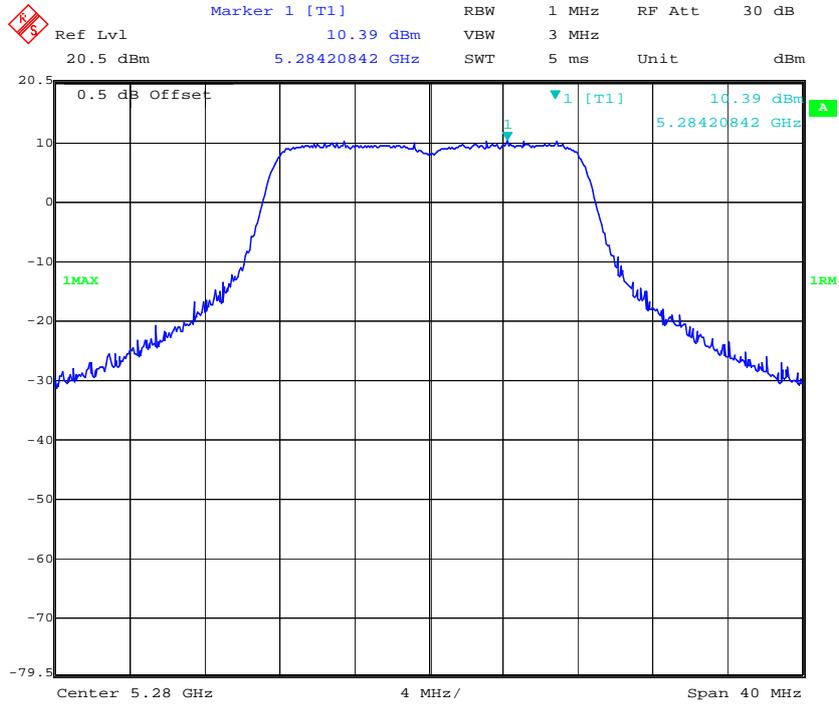
802.11 ac80 Middle Channel – Chain0



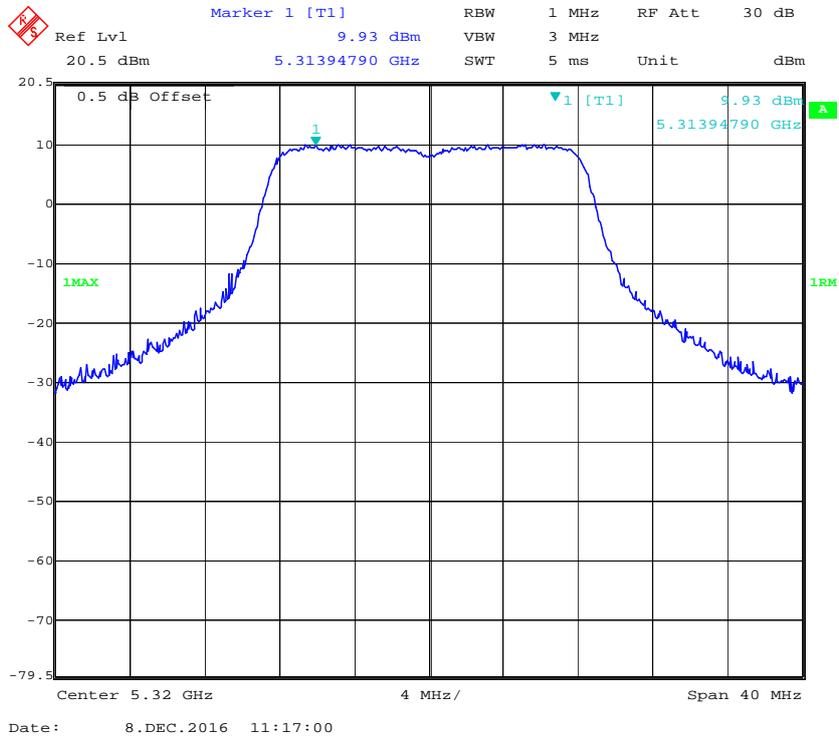
802.11a Low Channel – Chain1



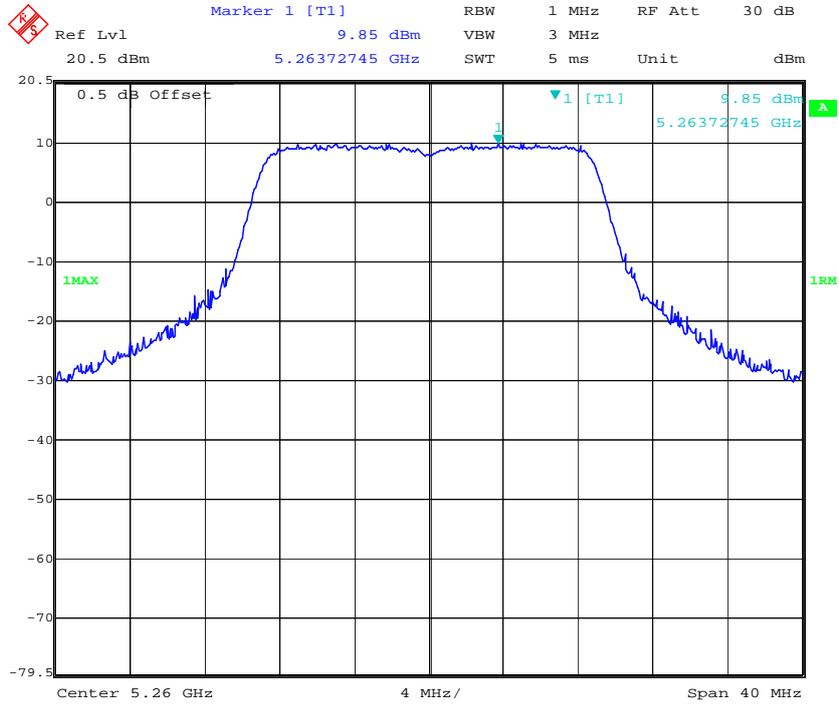
802.11a Middle Channel – Chain1



802.11a High Channel – Chain1

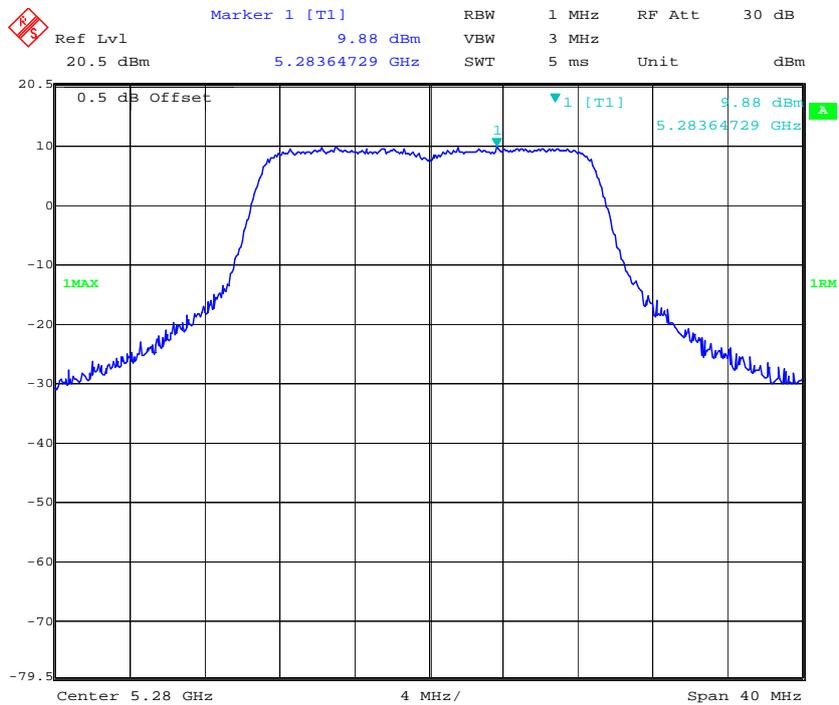


802.11n ht20 Low Channel – Chain1



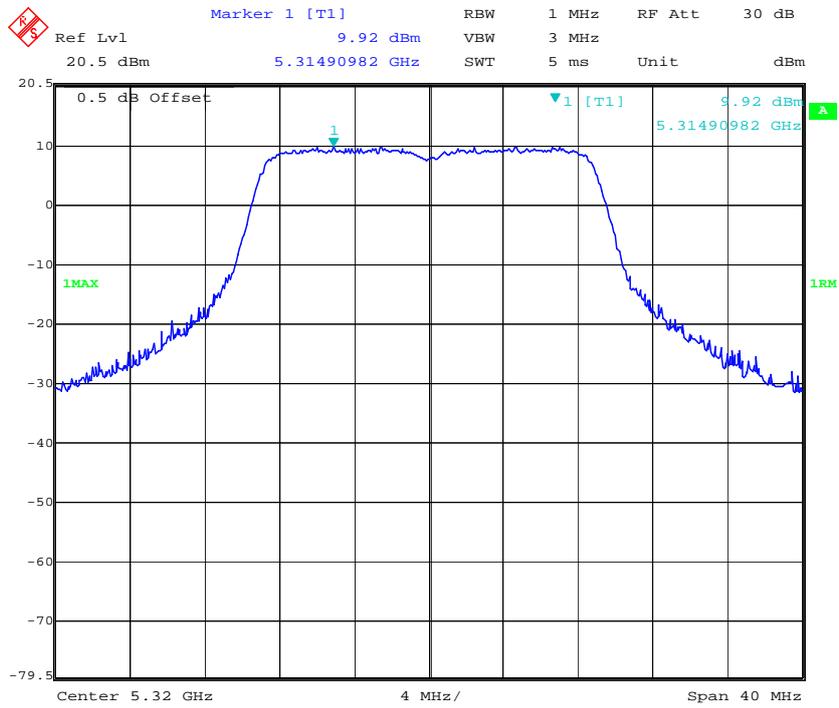
Date: 8.DEC.2016 11:21:25

802.11n ht20 Middle Channel – Chain1



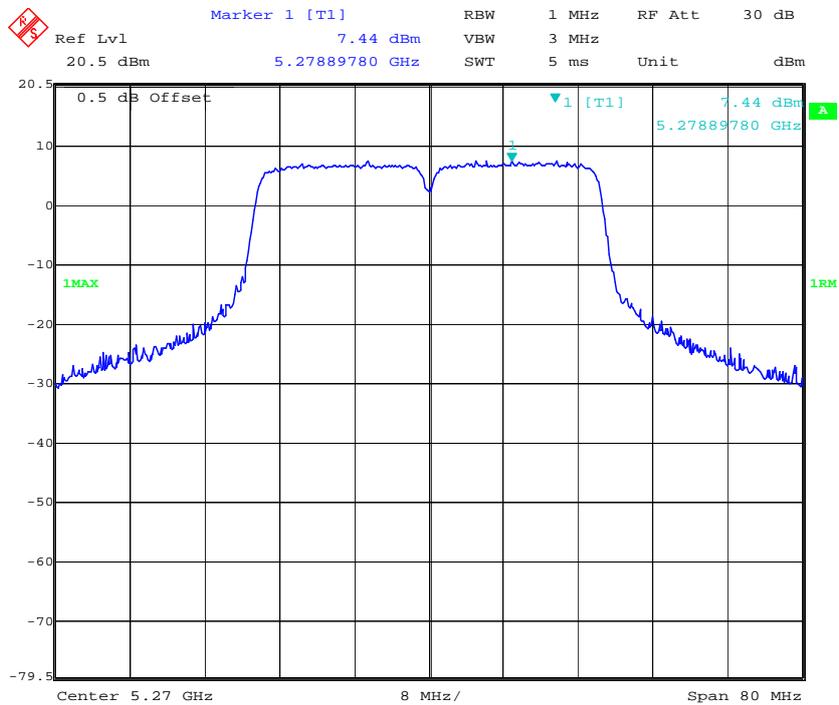
Date: 8.DEC.2016 11:20:14

802.11n ht20 High Channel – Chain1



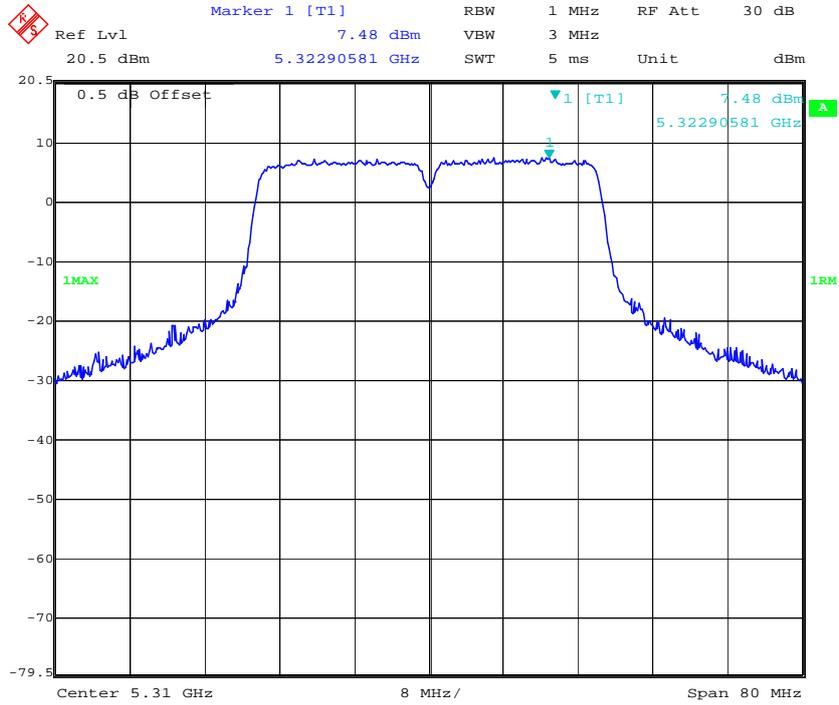
Date: 8.DEC.2016 11:18:32

802.11n ht40 Low Channel – Chain1

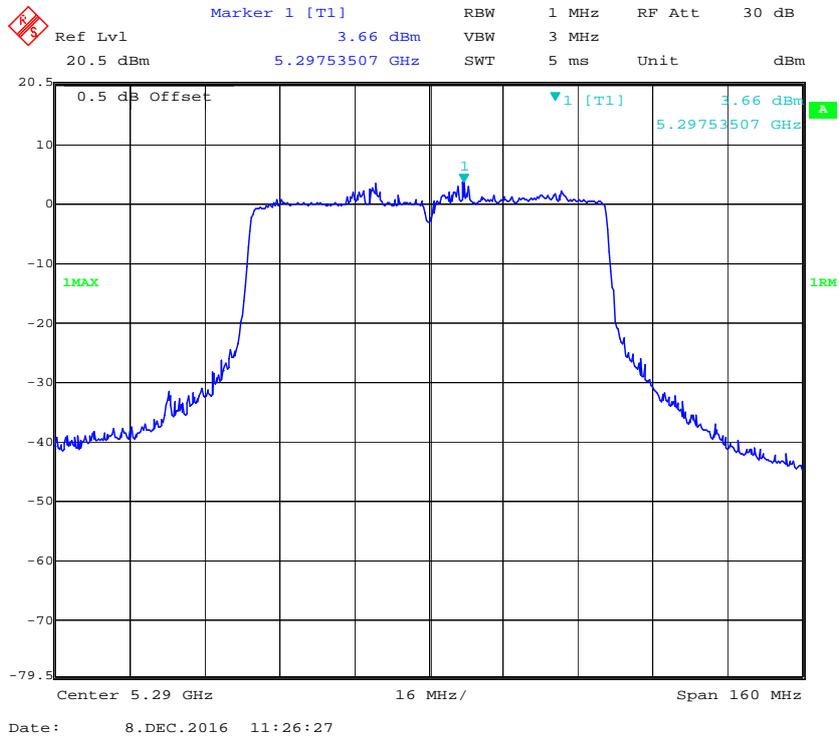


Date: 8.DEC.2016 11:23:02

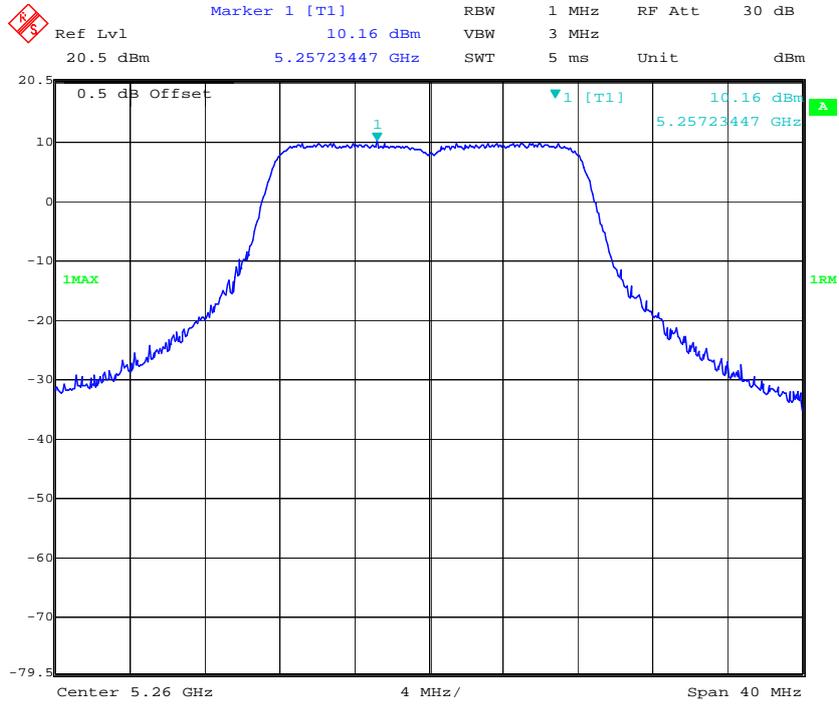
802.11n ht40 High Channel – Chain1



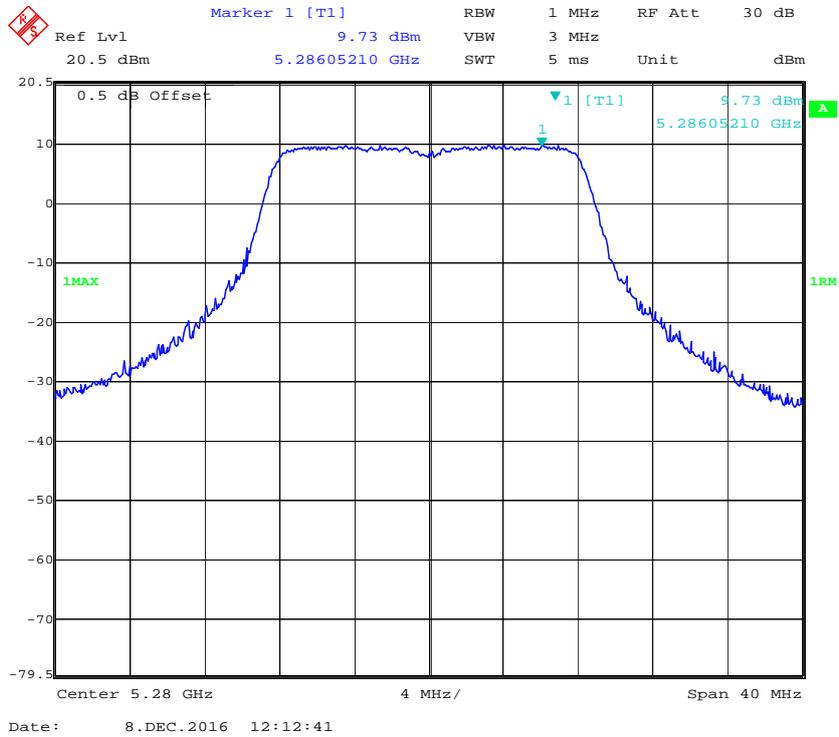
802.11 ac80 Middle Channel – Chain1



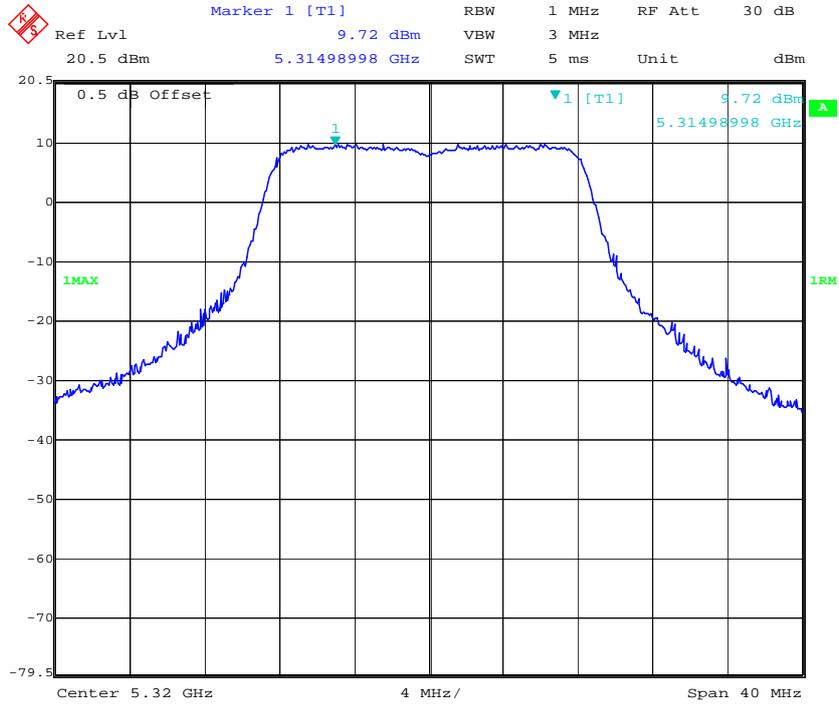
802.11a Low Channel – Chain2



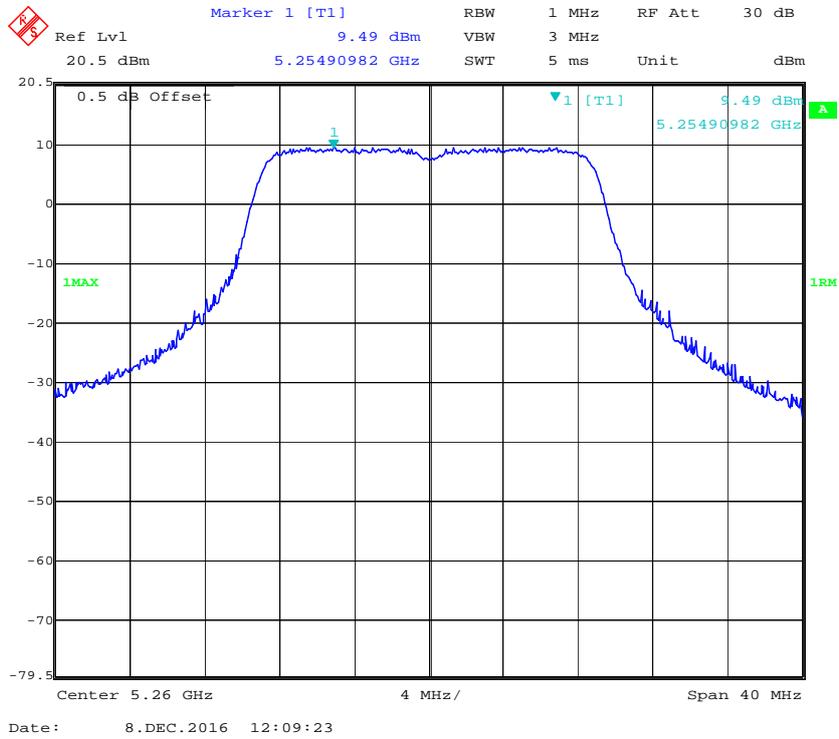
802.11a Middle Channel – Chain2



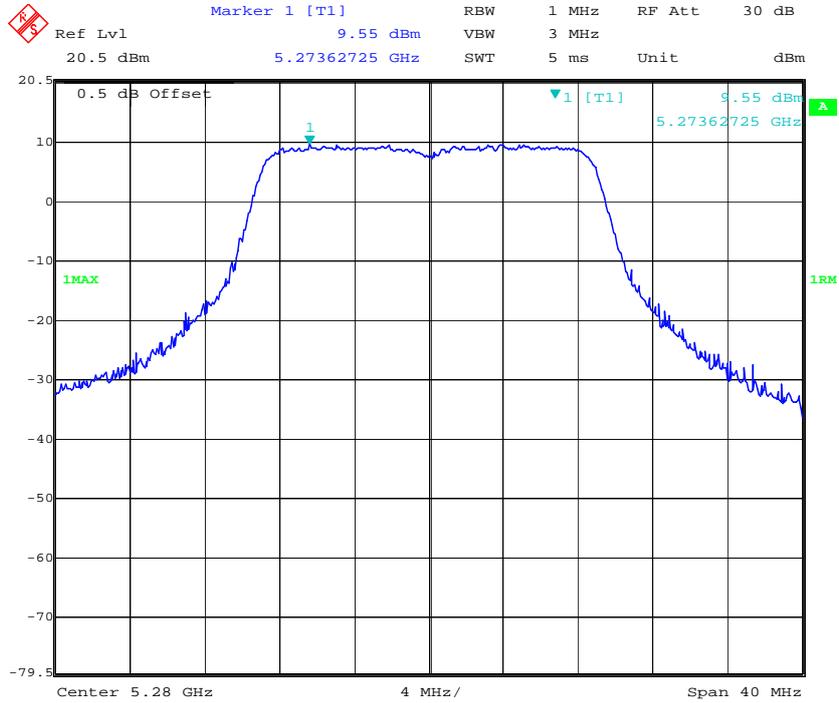
802.11a High Channel – Chain2



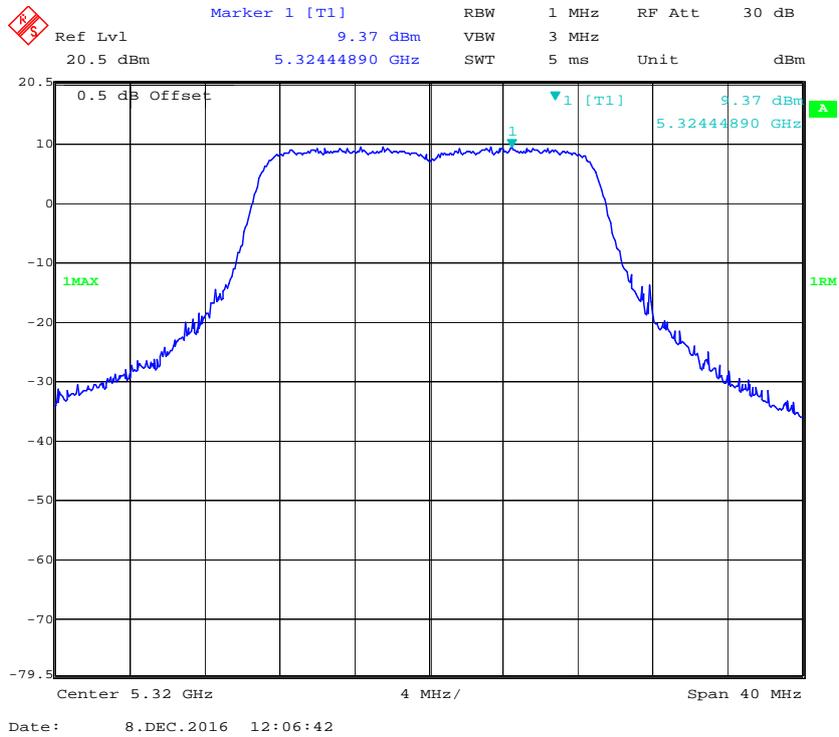
802.11n ht20 Low Channel – Chain2



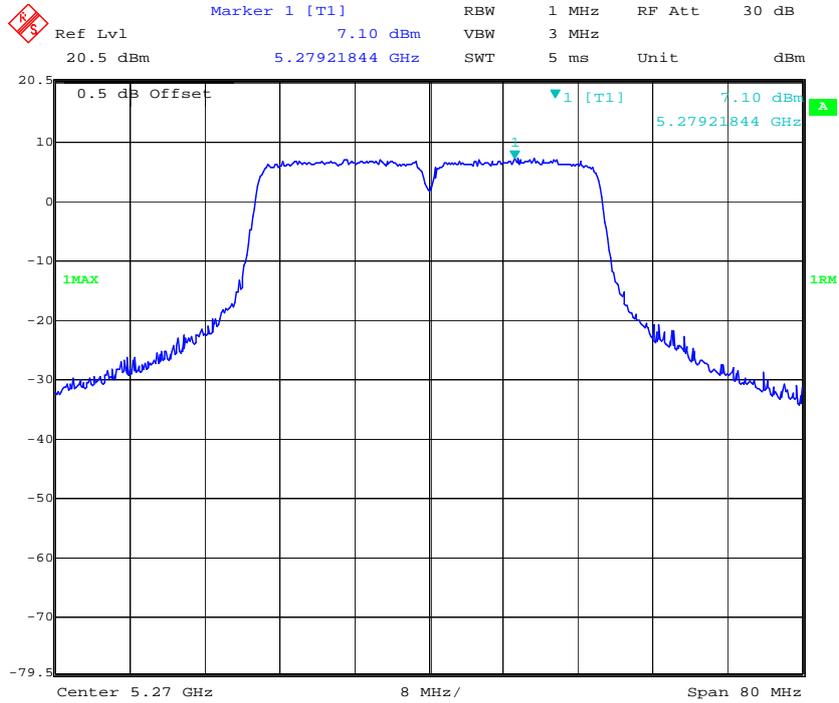
802.11n ht20 Middle Channel – Chain2



802.11n ht20 High Channel – Chain2

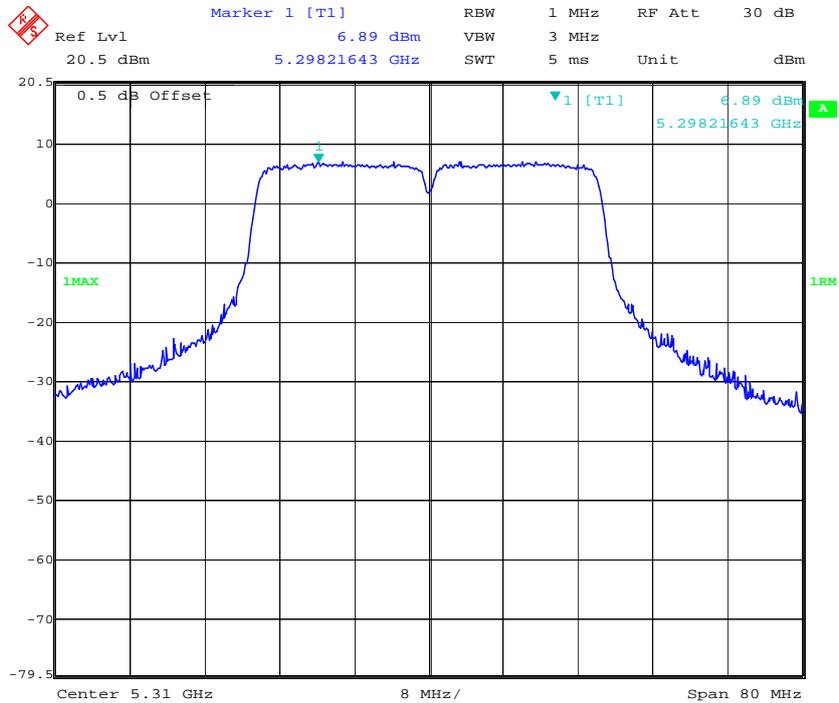


802.11n ht40 Low Channel – Chain2



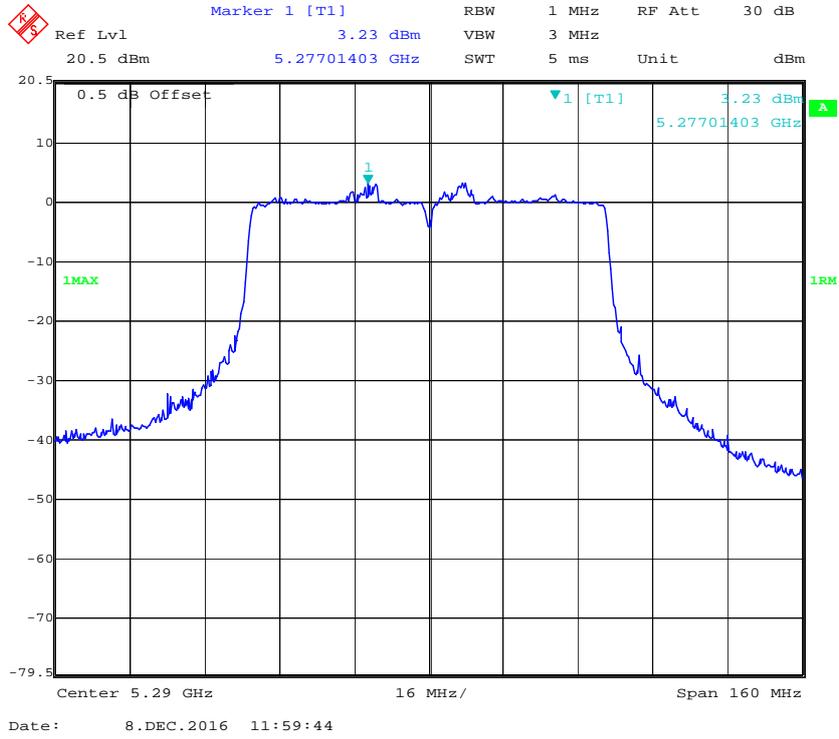
Date: 8.DEC.2016 12:01:31

802.11n ht40 High Channel – Chain2



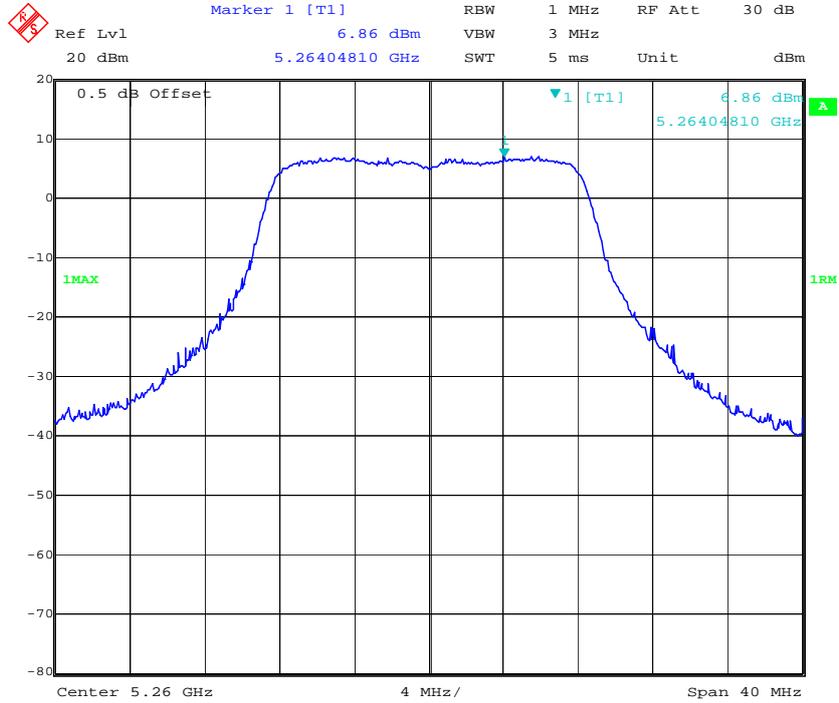
Date: 8.DEC.2016 12:03:15

802.11 ac80 Middle Channel – Chain2

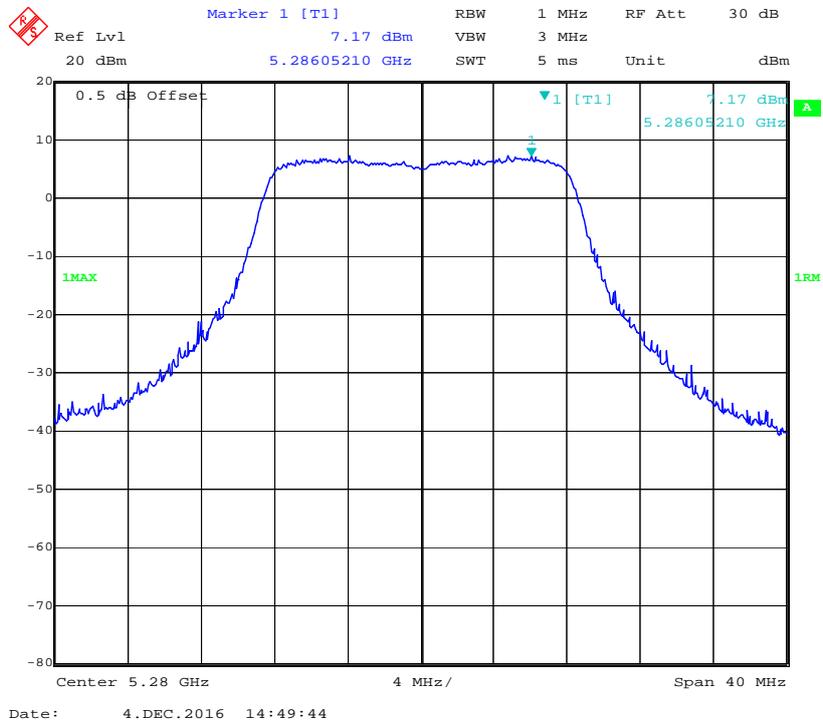


2TX (Chain 0+Chain 1):

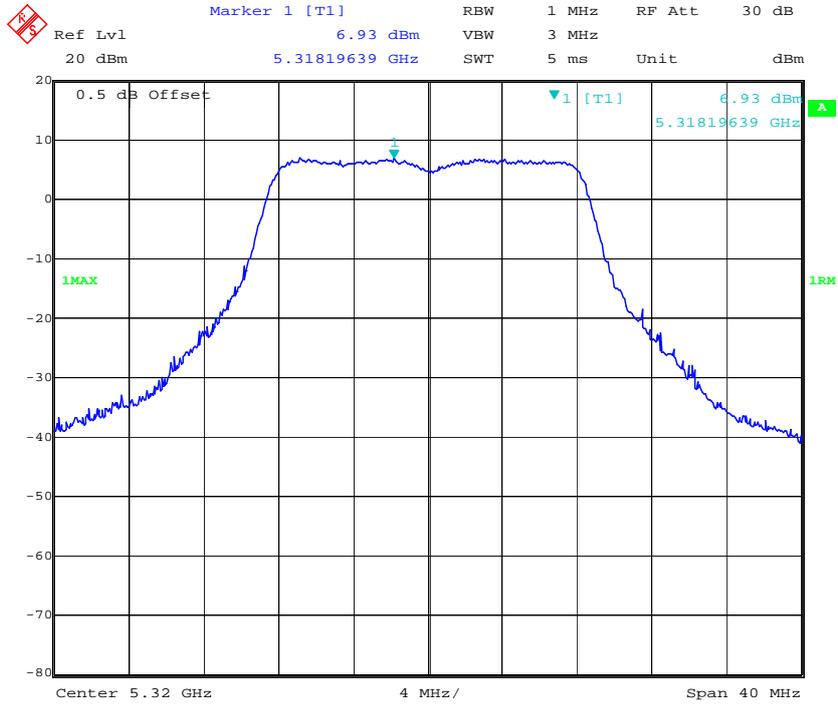
802.11a Low Channel – Chain0



802.11a Middle Channel – Chain0

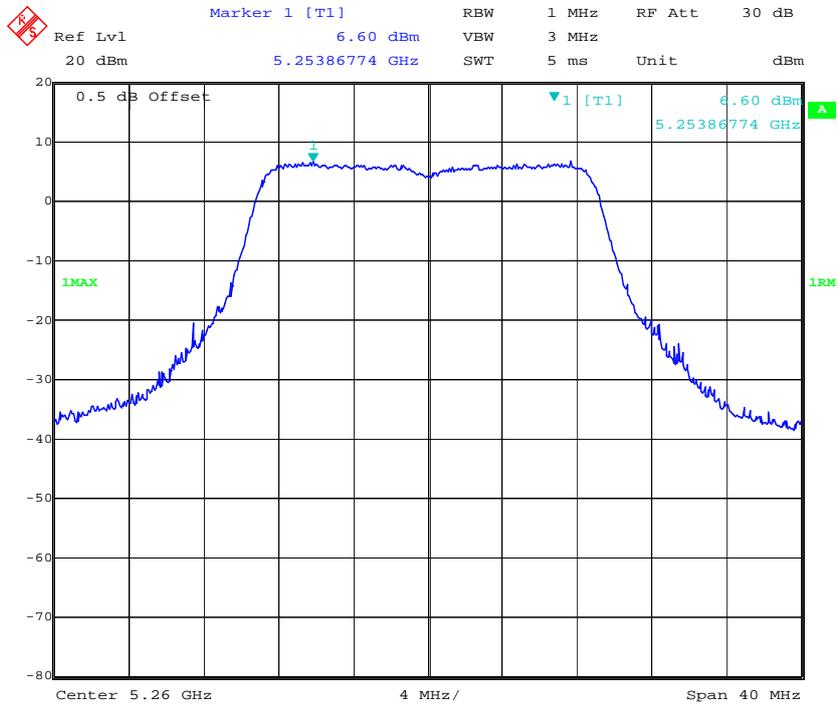


802.11a High Channel – Chain0



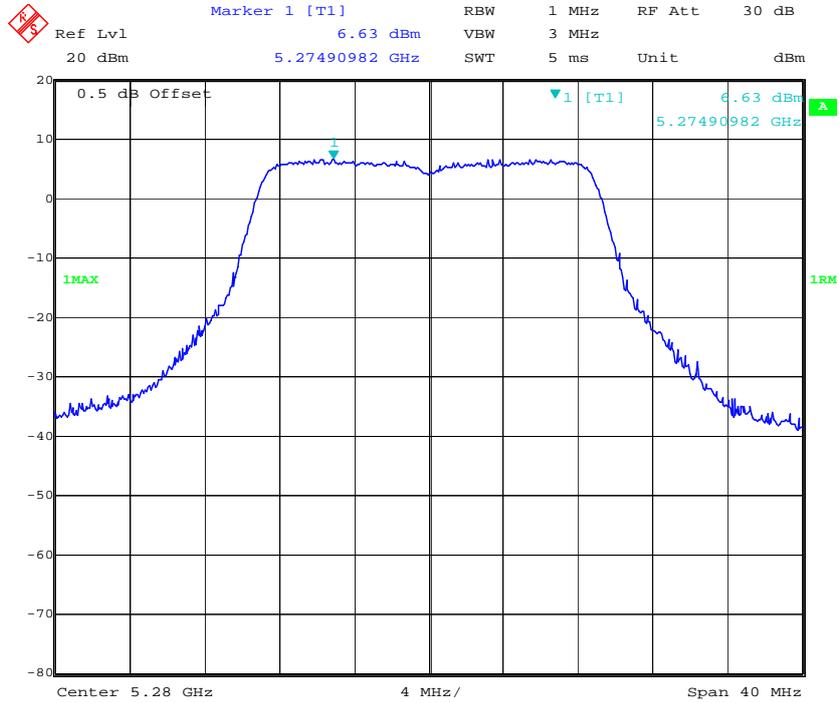
Date: 4.DEC.2016 14:50:28

802.11n ht20 Low Channel – Chain0

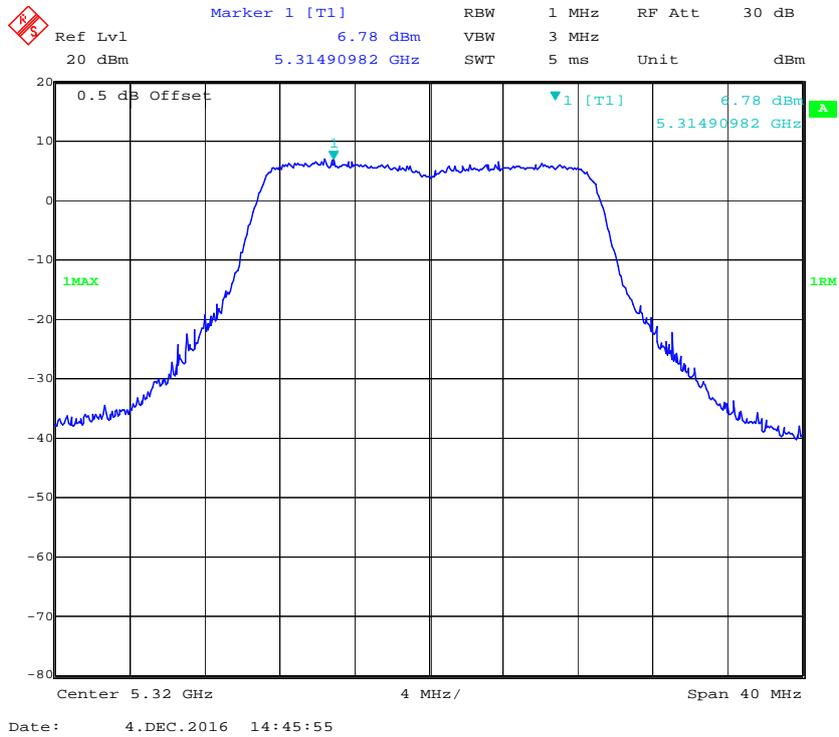


Date: 4.DEC.2016 14:48:57

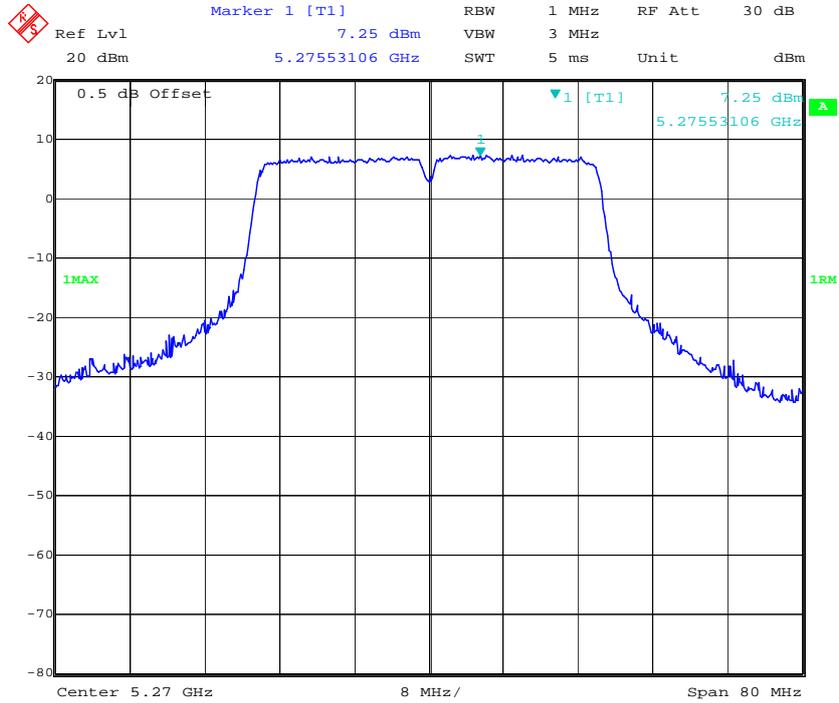
802.11n ht20 Middle Channel – Chain0



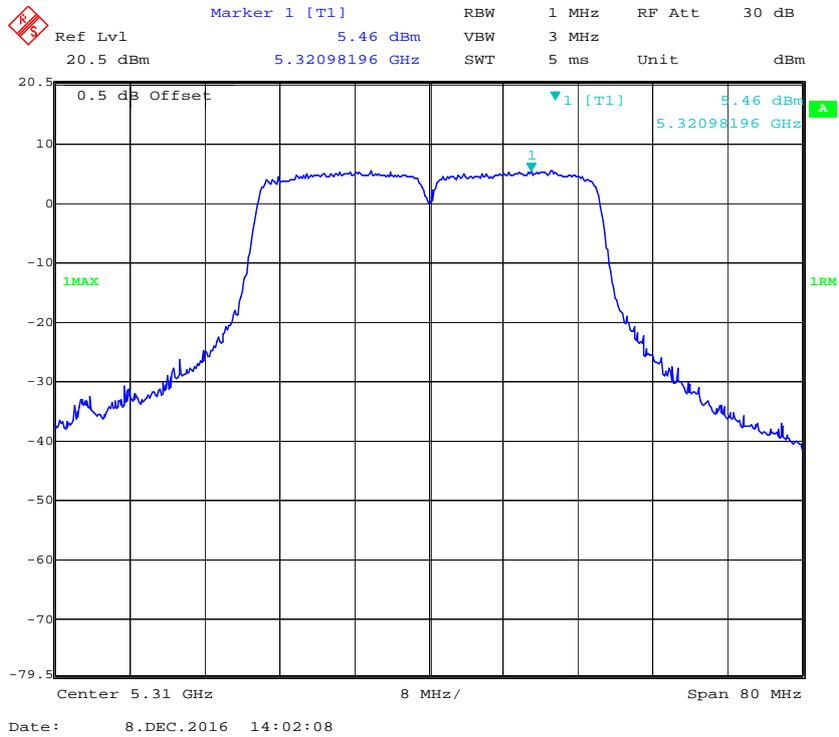
802.11n ht20 High Channel – Chain0



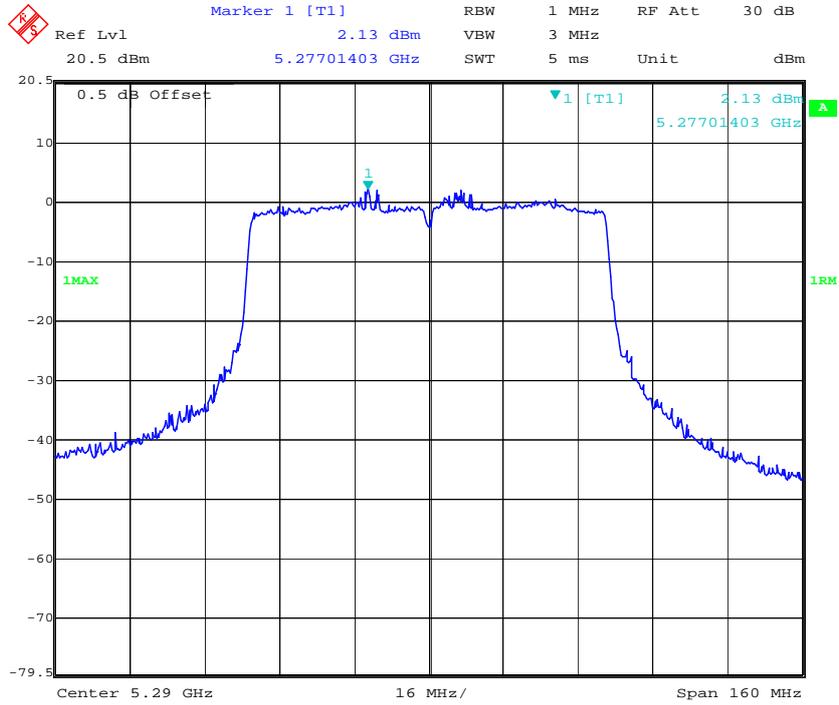
802.11n ht40 Low Channel – Chain0



802.11n ht40 High Channel – Chain0

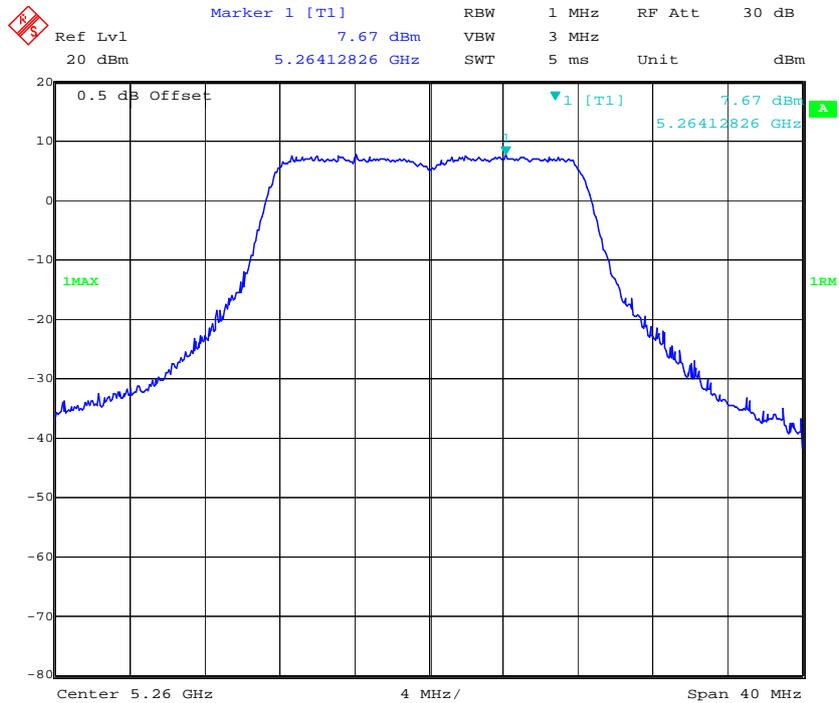


802.11 ac80 Middle Channel – Chain0



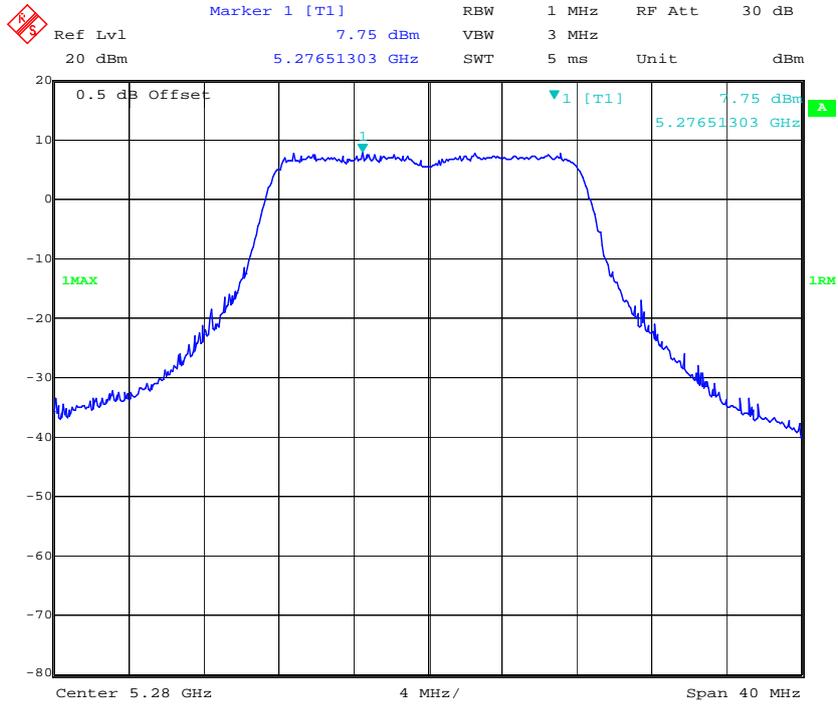
Date: 8.DEC.2016 14:01:26

802.11a Low Channel – Chain1



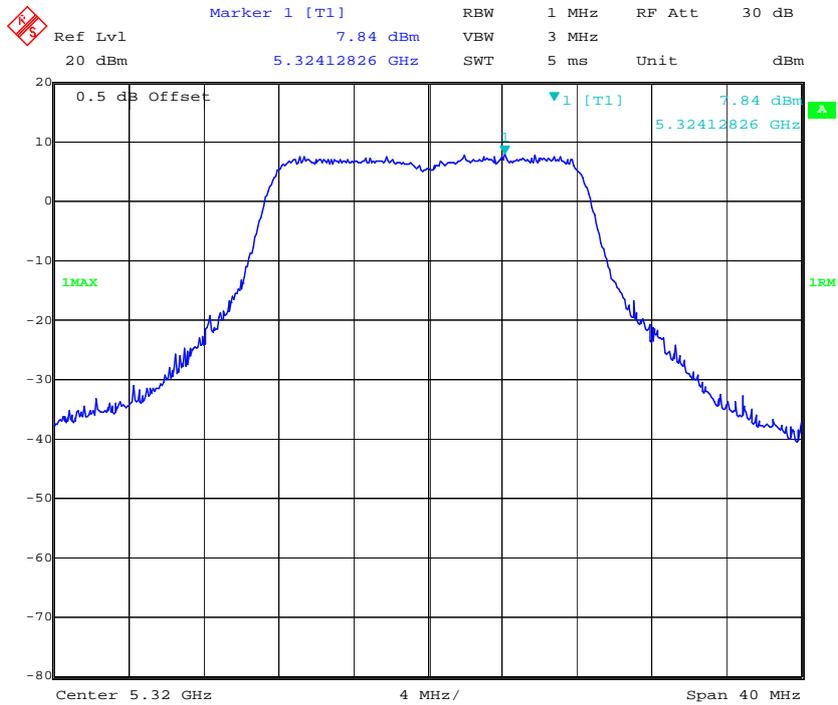
Date: 4.DEC.2016 13:52:34

802.11a Middle Channel – Chain1



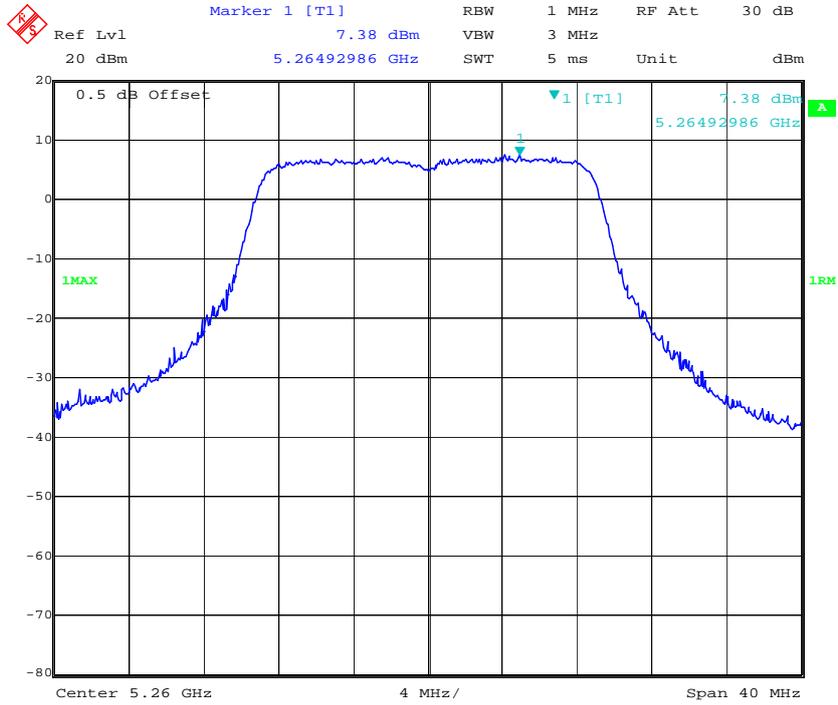
Date: 4.DEC.2016 13:53:06

802.11a High Channel – Chain1



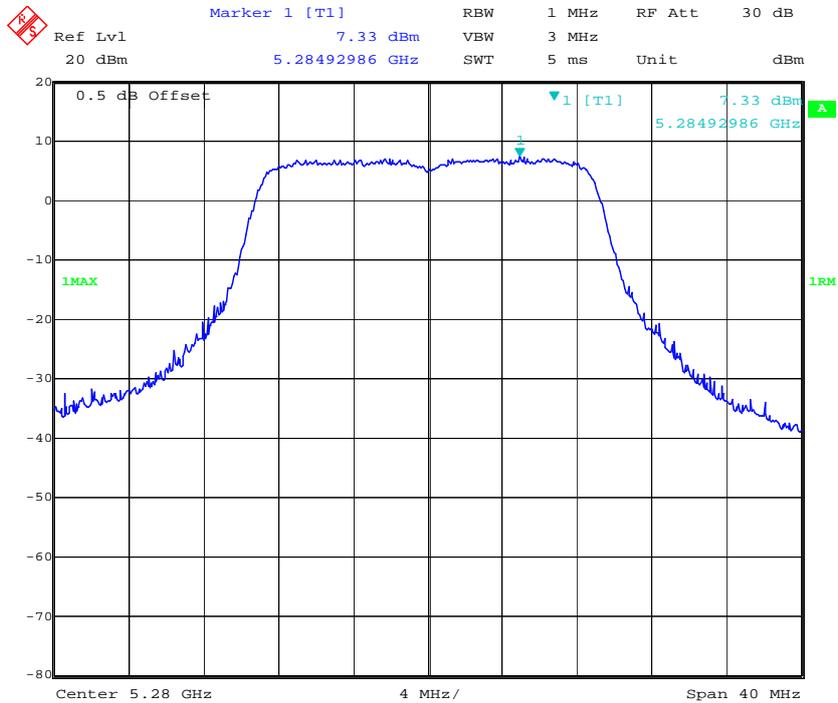
Date: 4.DEC.2016 13:53:38

802.11n ht20 Low Channel – Chain1



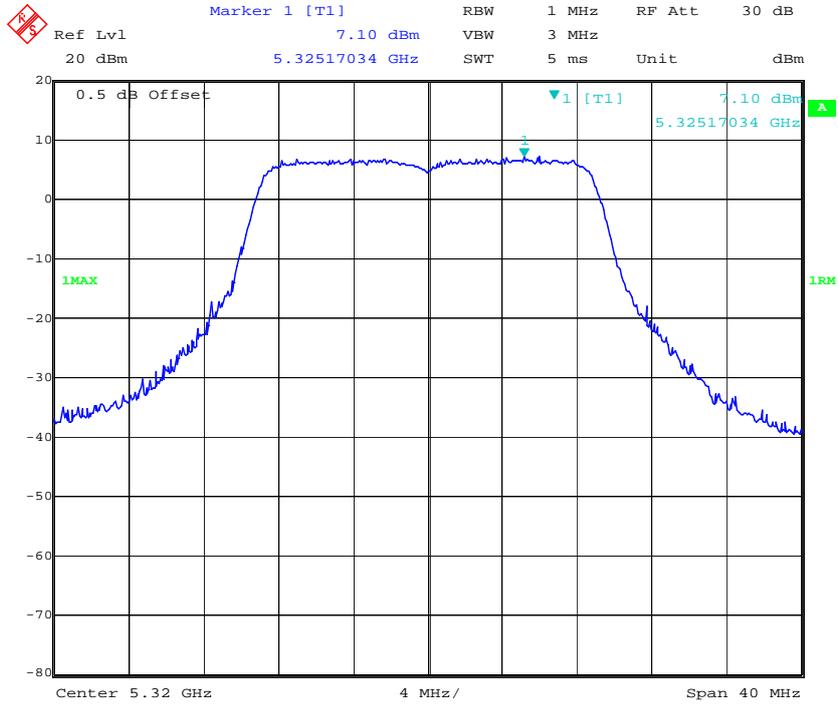
Date: 4.DEC.2016 13:55:11

802.11n ht20 Middle Channel – Chain1



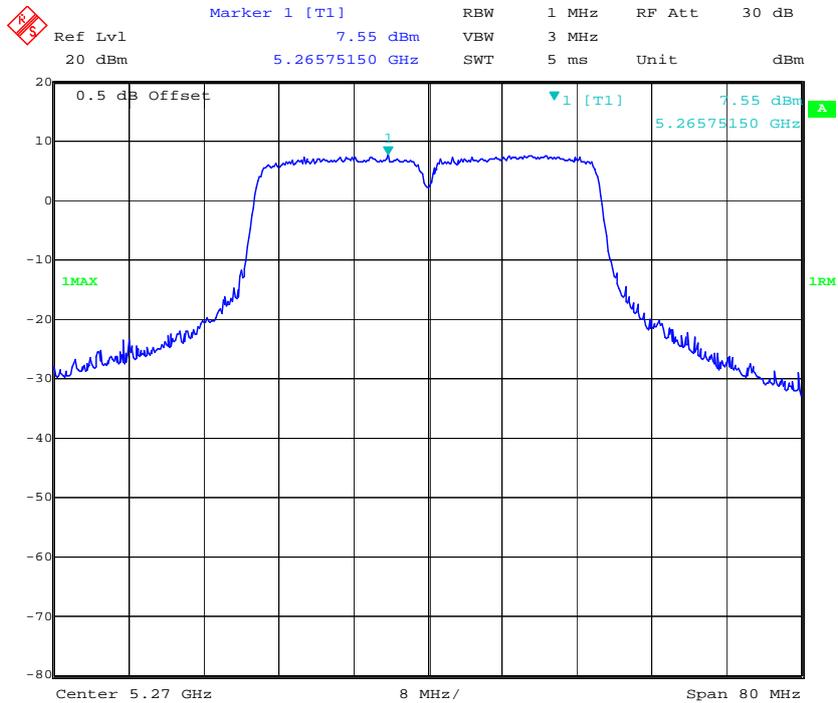
Date: 4.DEC.2016 13:54:31

802.11n ht20 High Channel – Chain1



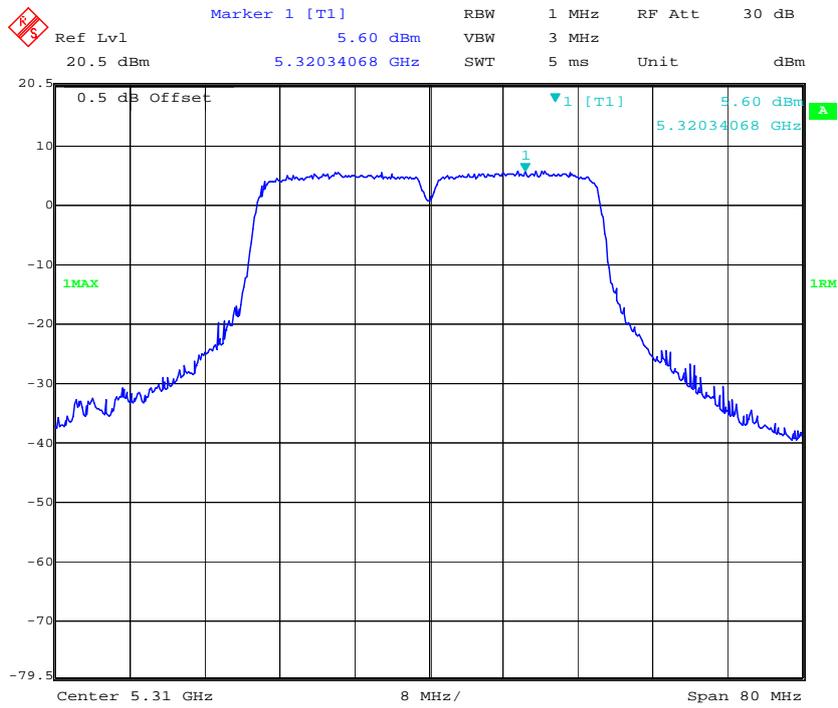
Date: 4.DEC.2016 13:54:10

802.11n ht40 Low Channel – Chain1



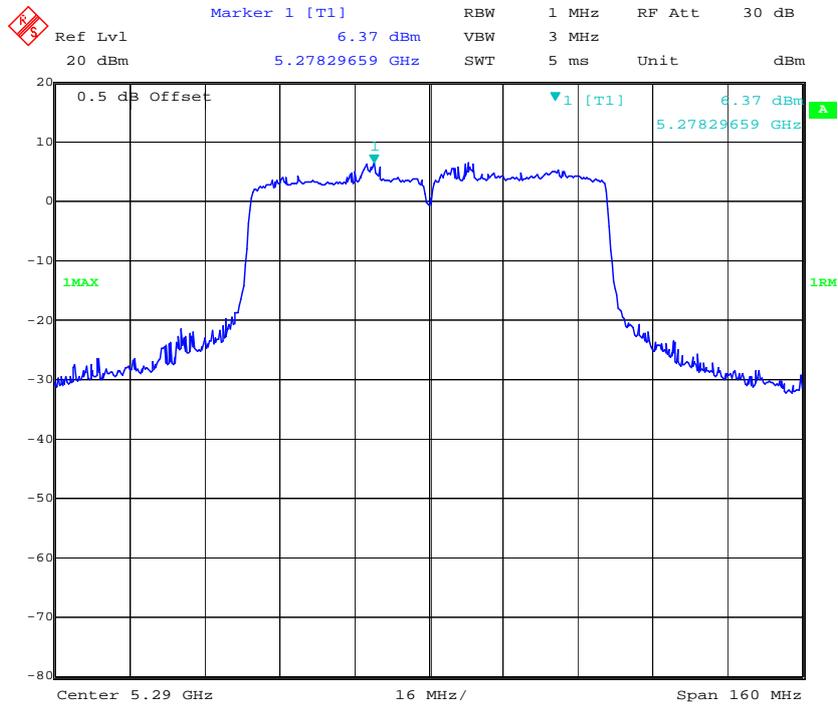
Date: 4.DEC.2016 13:55:46

802.11n ht40 High Channel – Chain1



Date: 8.DEC.2016 14:38:20

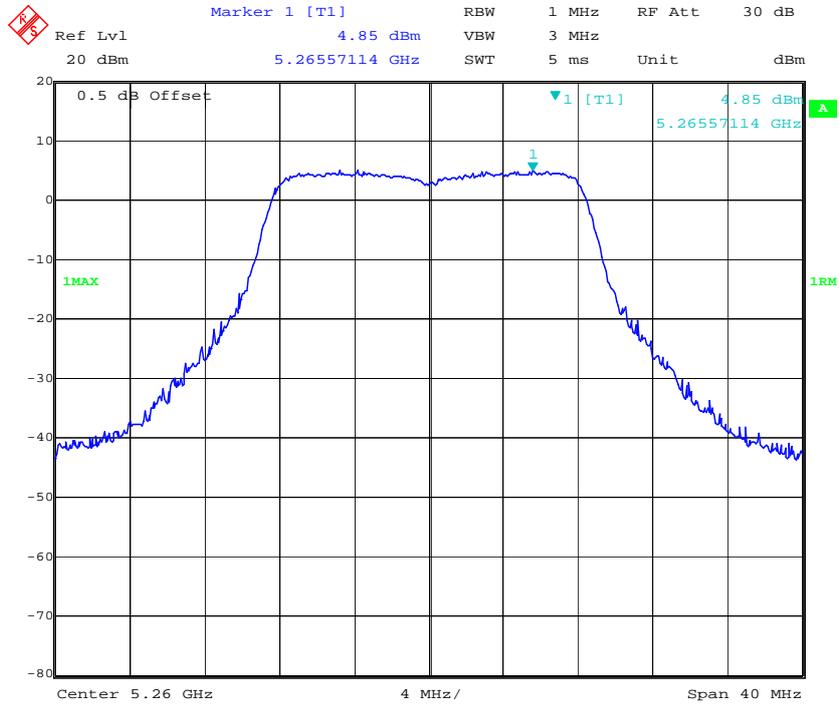
802.11 ac80 Middle Channel – Chain1



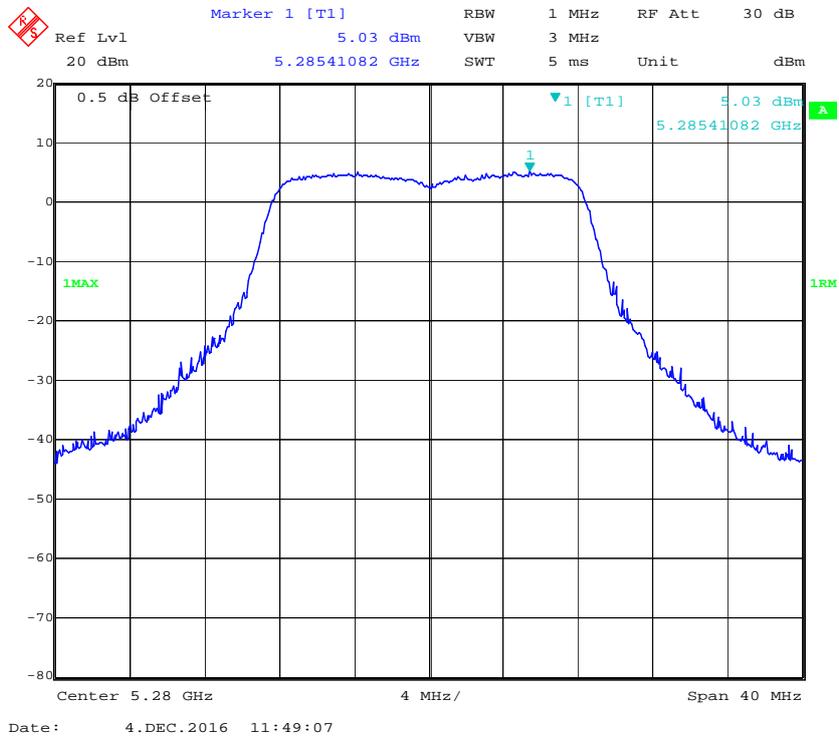
Date: 4.DEC.2016 13:57:32

3TX(Chain 0+ Chain 1+ Chain 2):

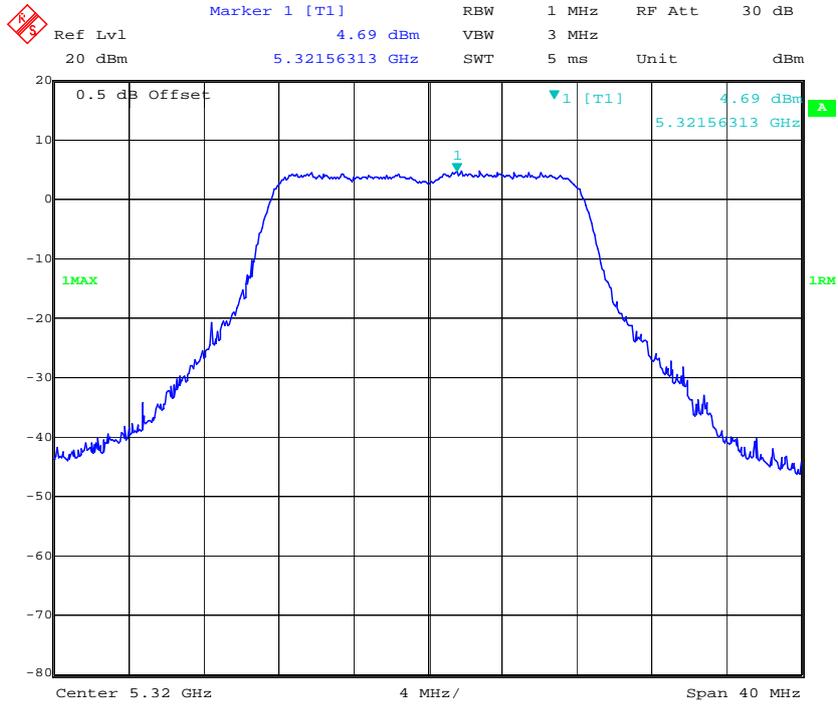
802.11a Low Channel – Chain0



802.11a Middle Channel – Chain0

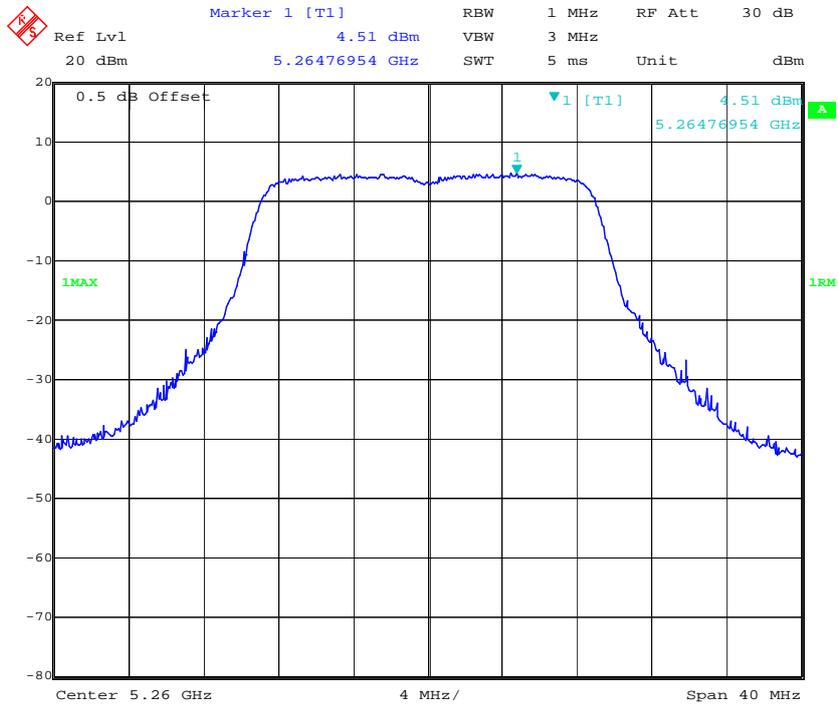


802.11a High Channel – Chain0



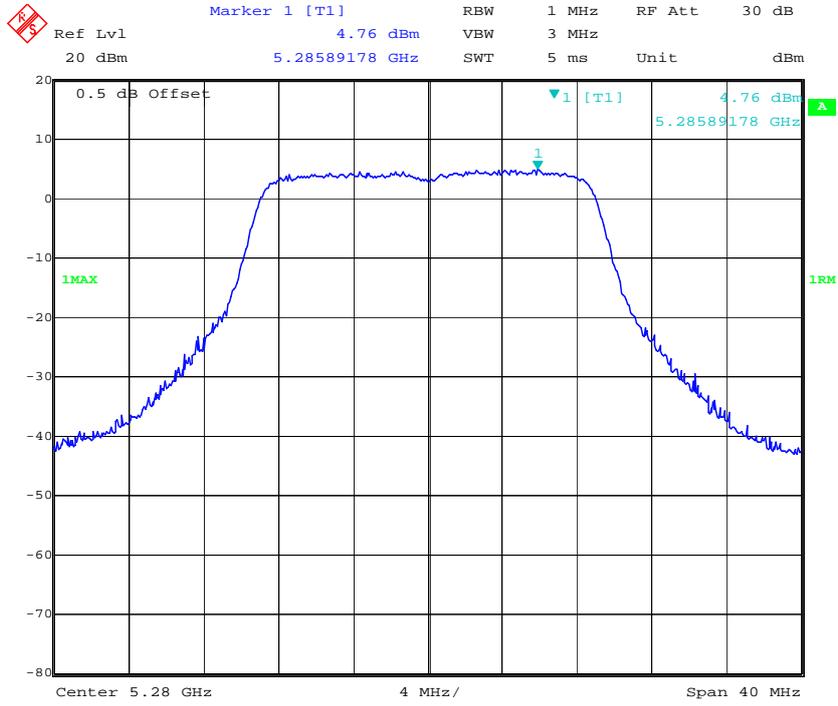
Date: 4.DEC.2016 11:49:24

802.11n ht20 Low Channel – Chain0



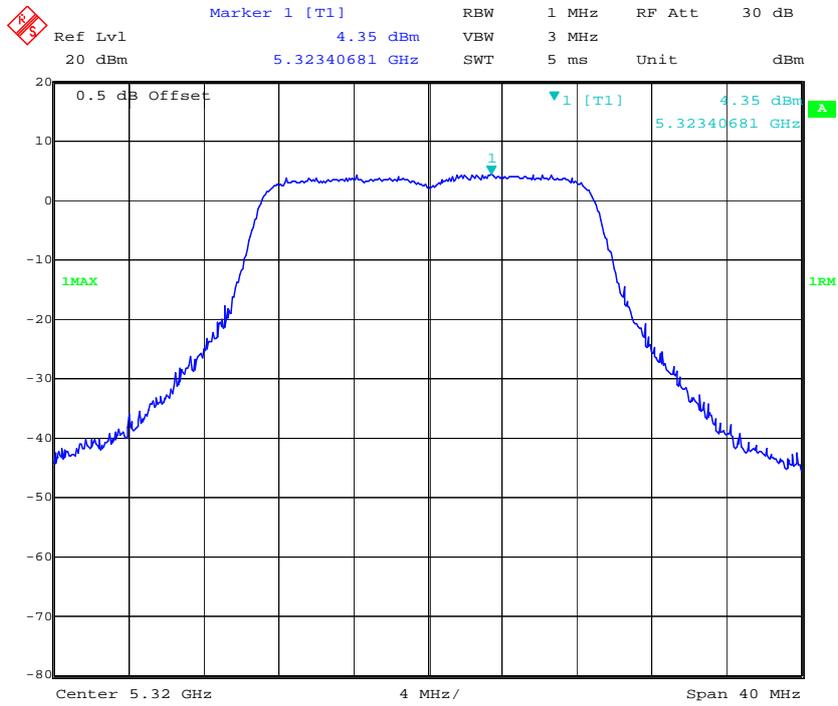
Date: 4.DEC.2016 11:53:19

802.11n ht20 Middle Channel – Chain0



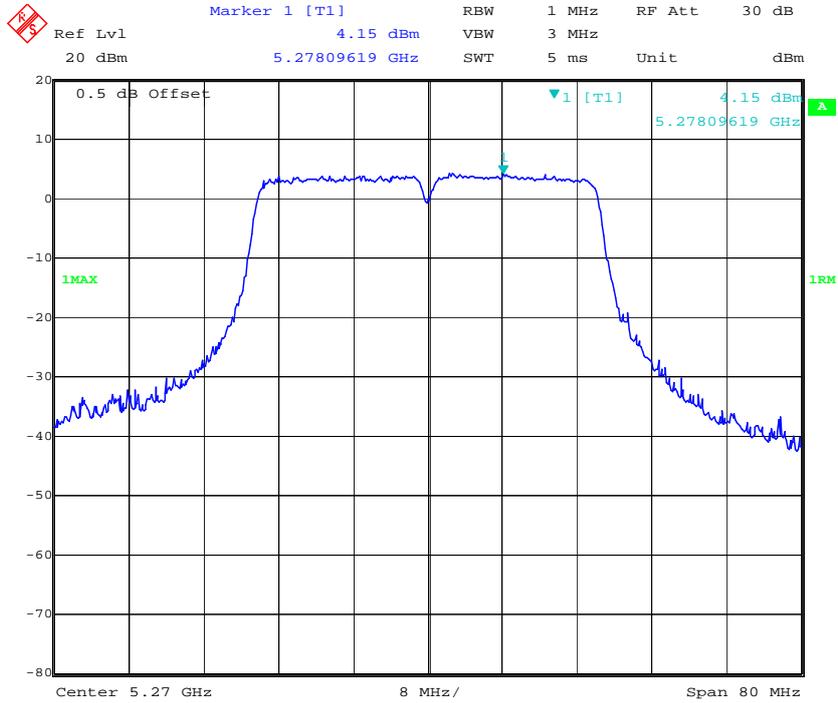
Date: 4.DEC.2016 11:52:53

802.11n ht20 High Channel – Chain0



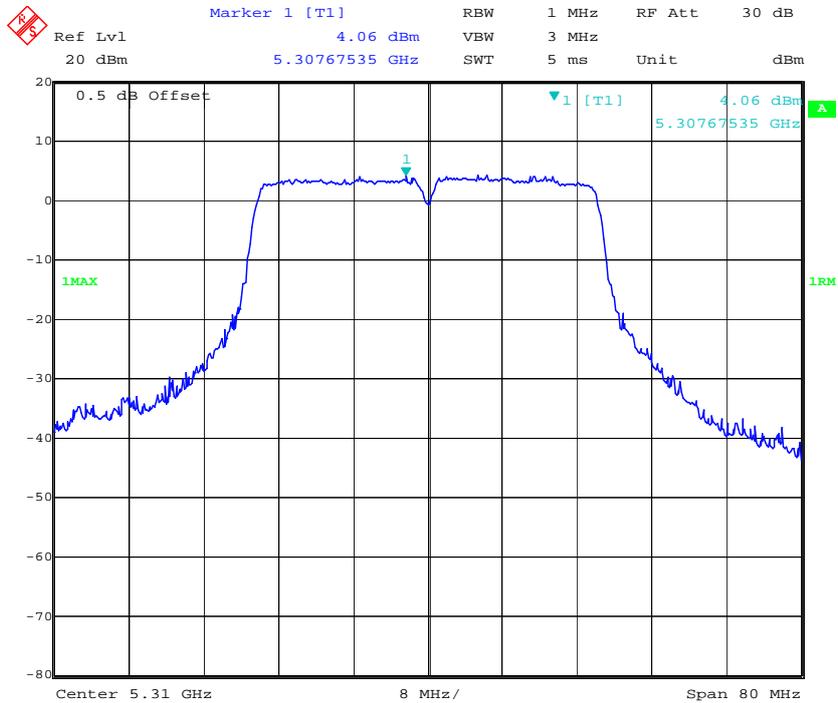
Date: 4.DEC.2016 11:51:48

802.11n ht40 Low Channel – Chain0



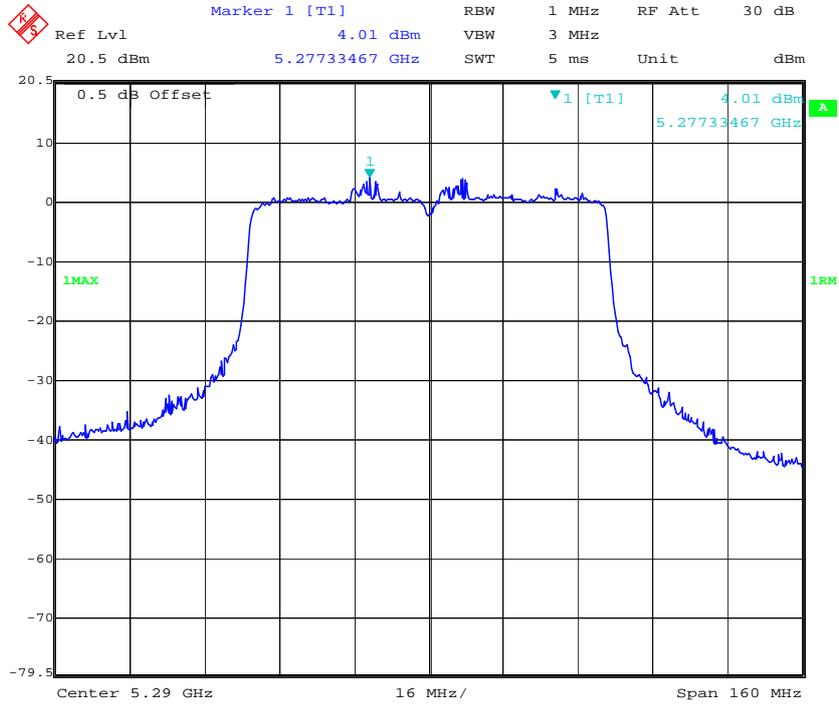
Date: 4.DEC.2016 11:55:19

802.11n ht40 High Channel – Chain0



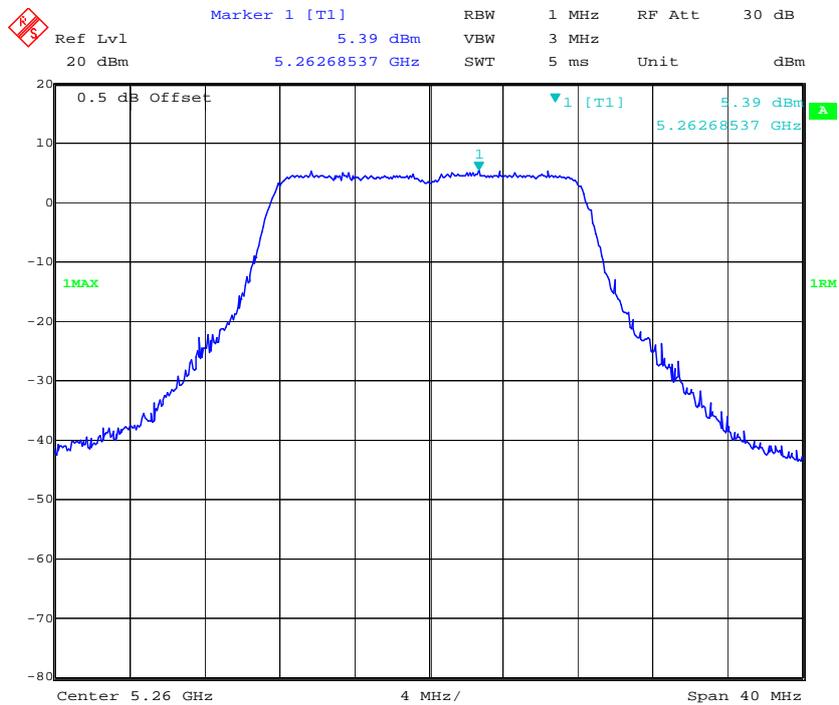
Date: 4.DEC.2016 11:55:54

802.11 ac80 Middle Channel – Chain0



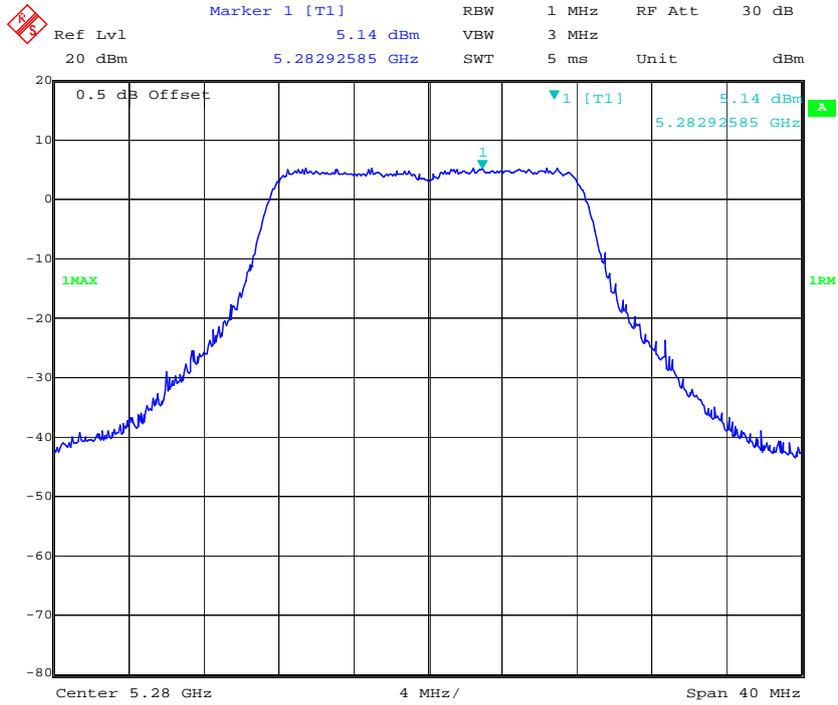
Date: 11.DEC.2016 10:16:09

802.11a Low Channel – Chain1

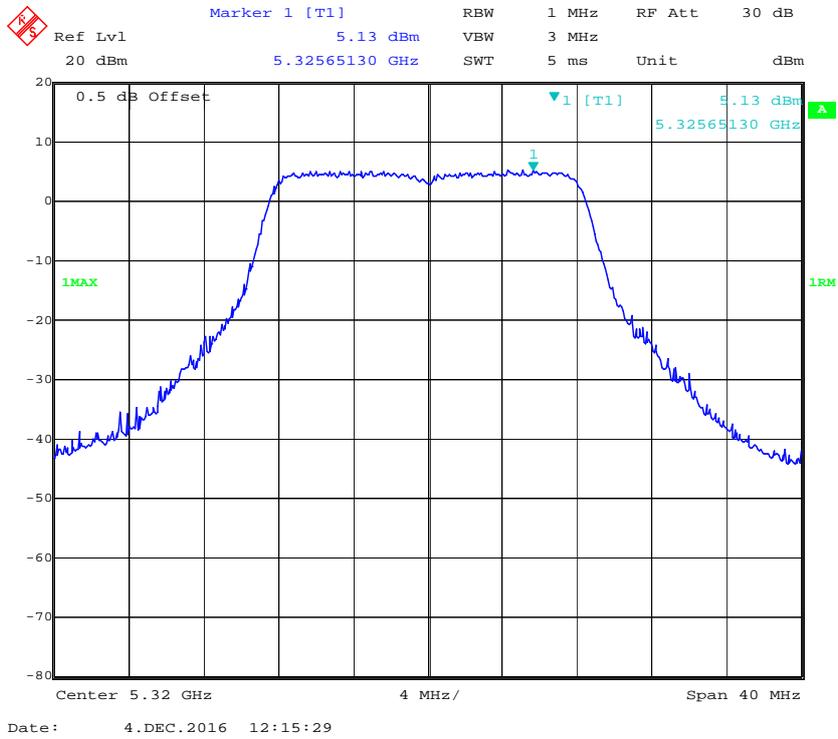


Date: 4.DEC.2016 12:16:24

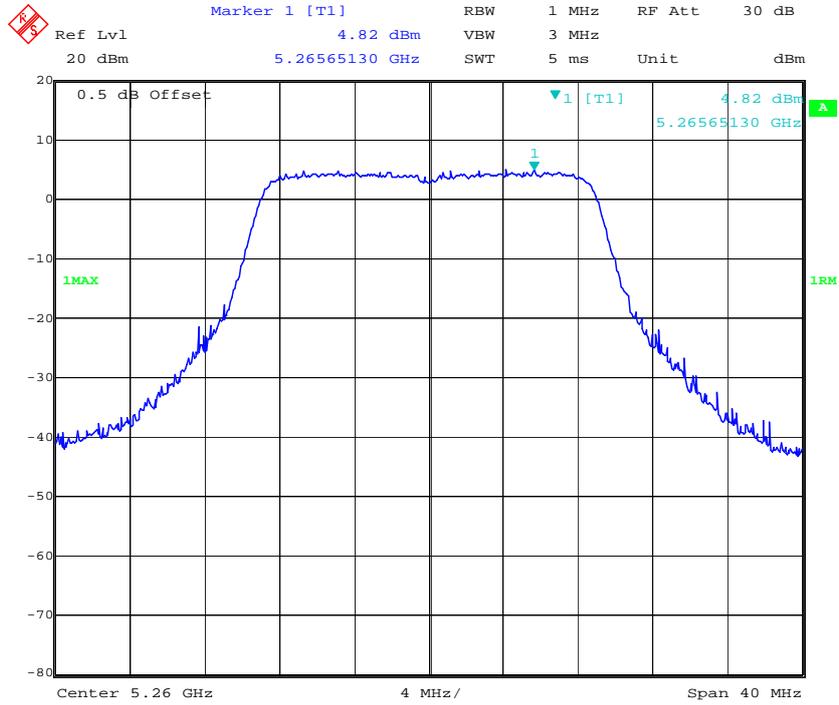
802.11a Middle Channel – Chain1



802.11a High Channel – Chain1

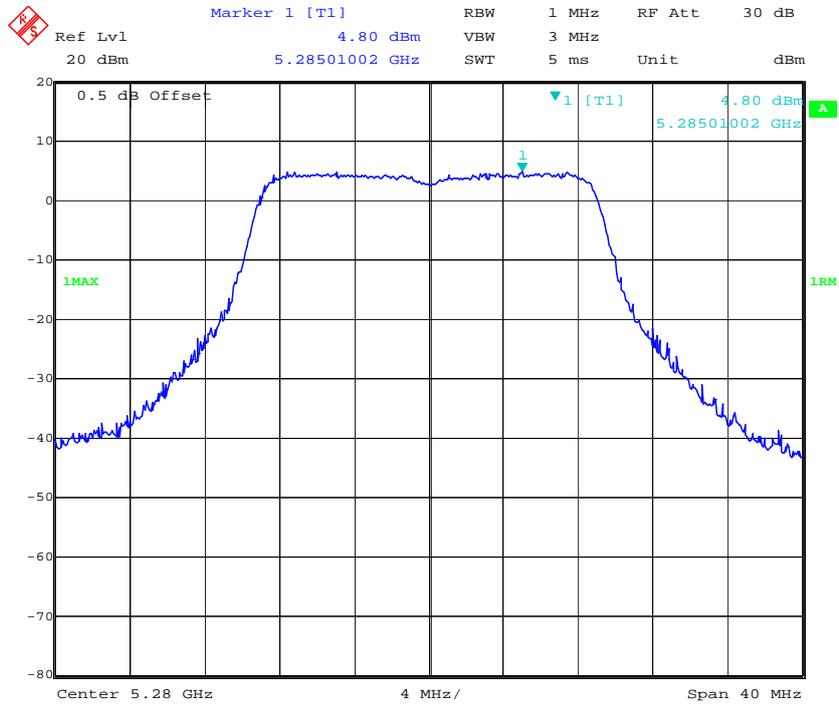


802.11n ht20 Low Channel – Chain1



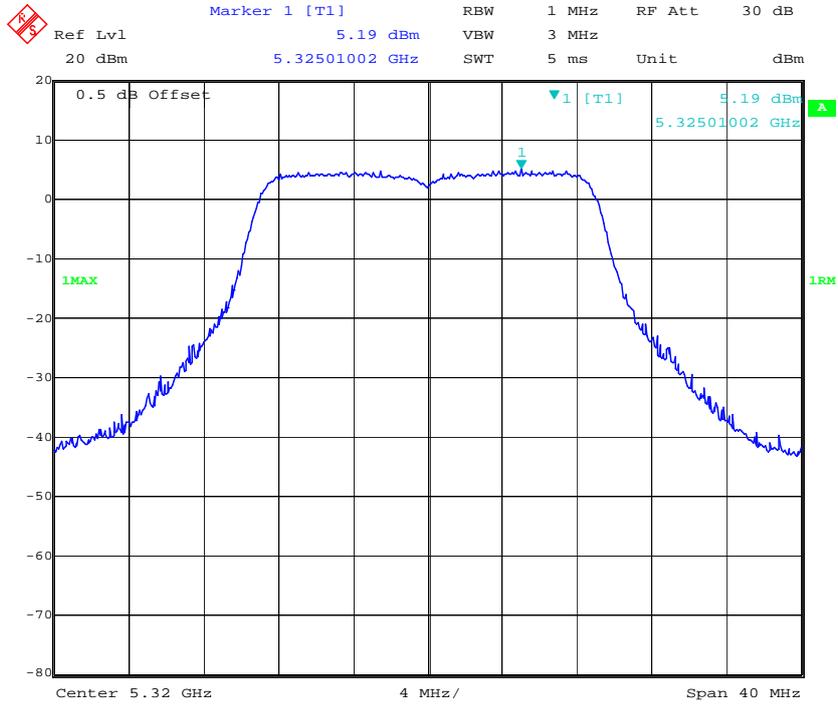
Date: 4.DEC.2016 12:14:28

802.11n ht20 Middle Channel – Chain1



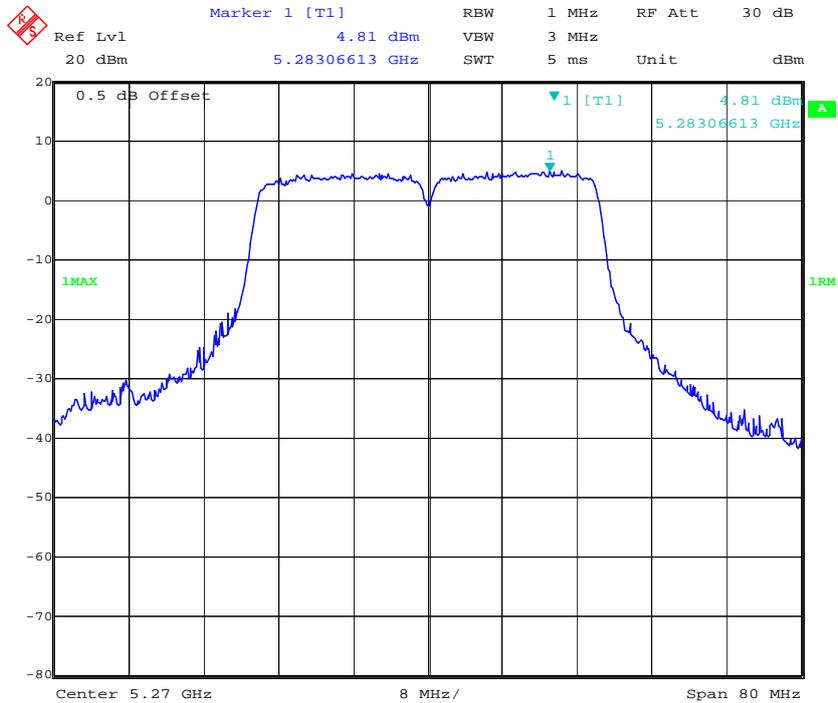
Date: 4.DEC.2016 12:14:48

802.11n ht20 High Channel – Chain1



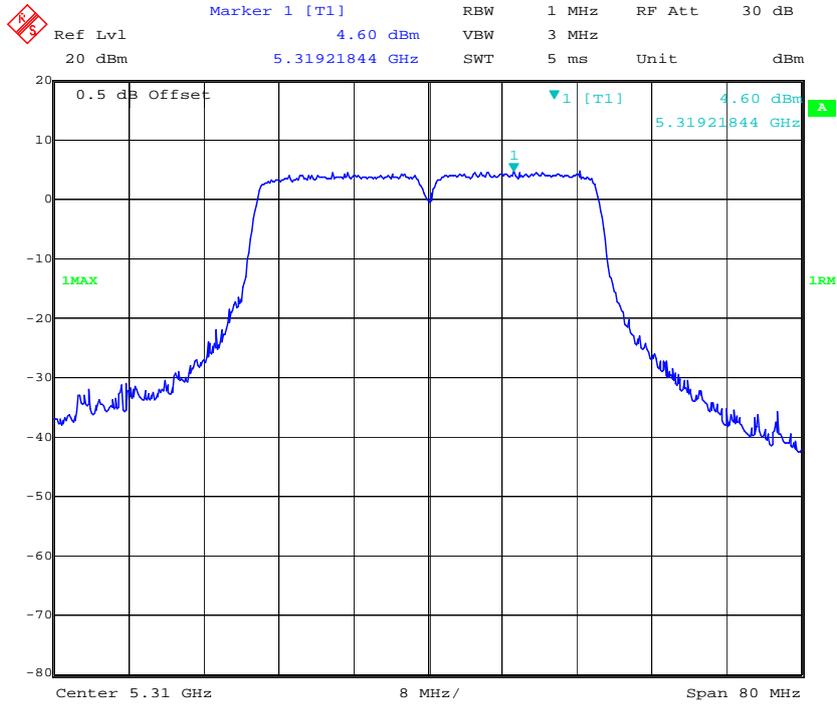
Date: 4.DEC.2016 12:15:07

802.11n ht40 Low Channel – Chain1



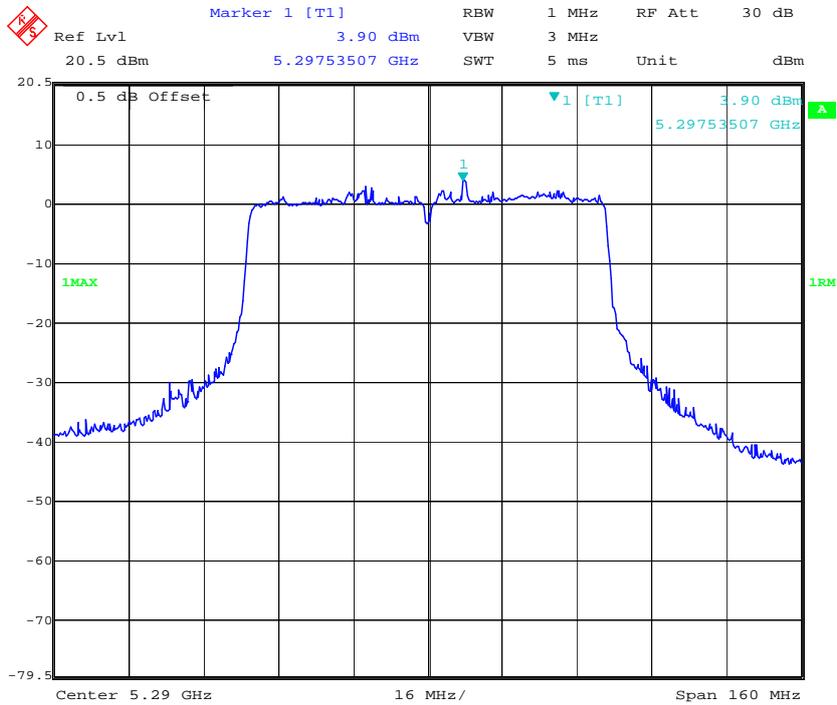
Date: 4.DEC.2016 12:13:59

802.11n ht40 High Channel – Chain1



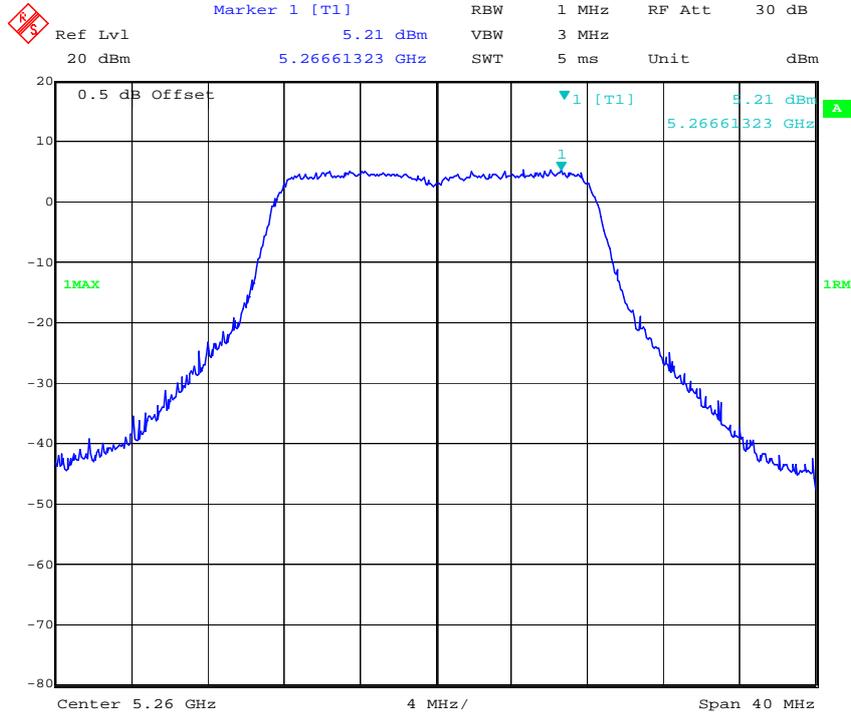
Date: 4.DEC.2016 12:13:35

802.11 ac80 Middle Channel – Chain1



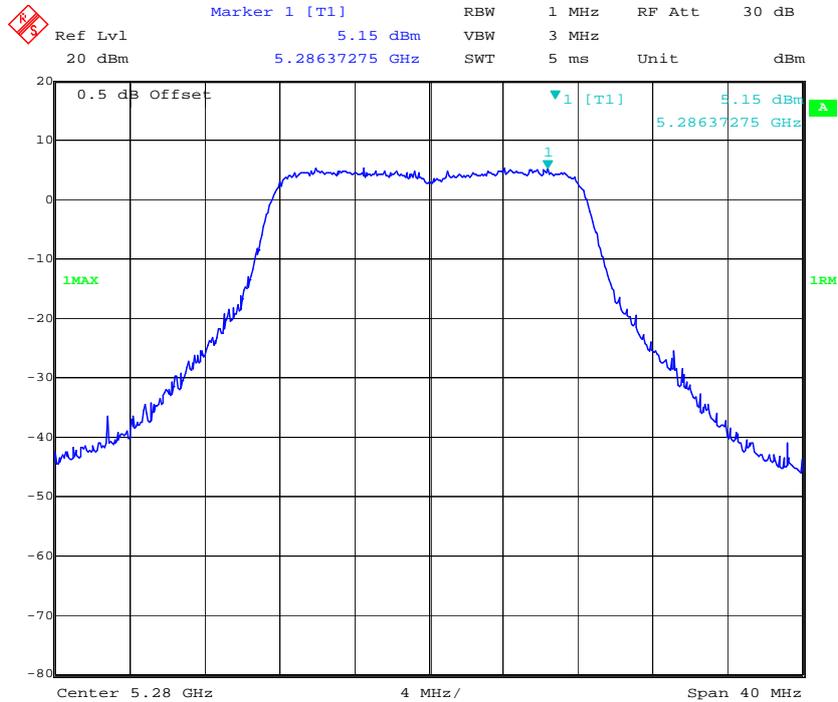
Date: 11.DEC.2016 11:09:38

802.11a Low Channel – Chain2



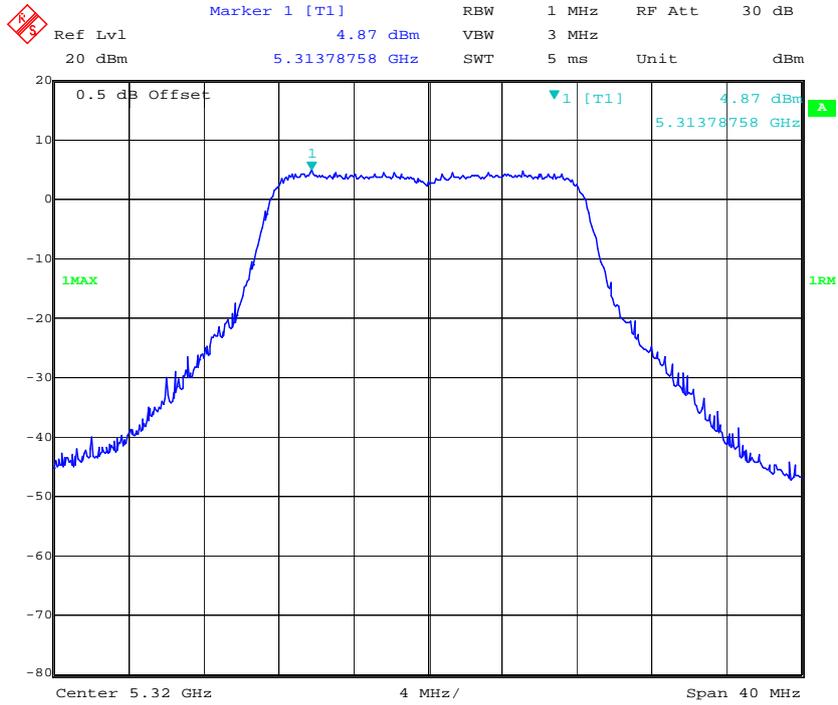
Date: 4.DEC.2016 13:34:55

802.11a Middle Channel – Chain2



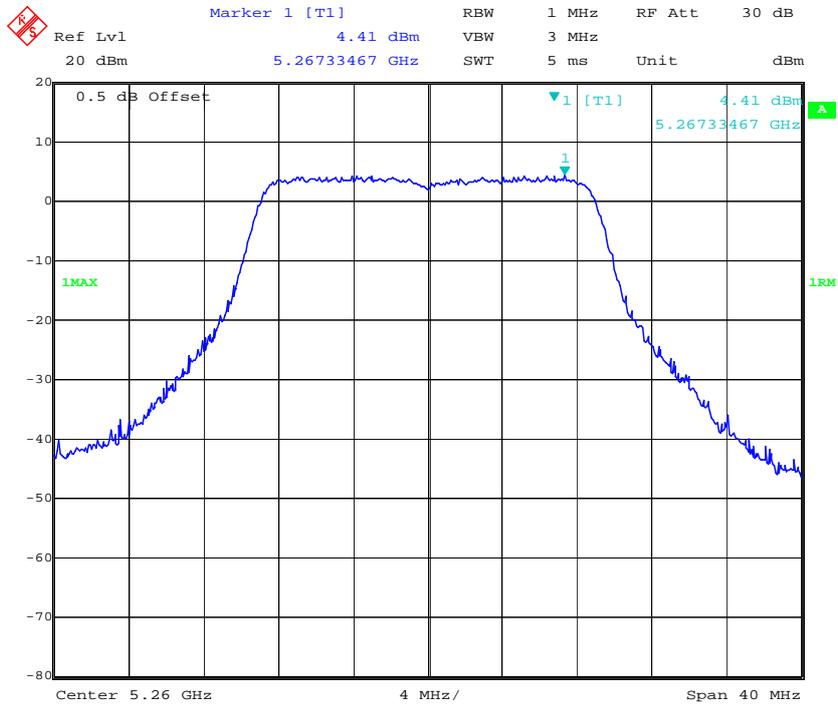
Date: 4.DEC.2016 13:35:24

802.11a High Channel – Chain2



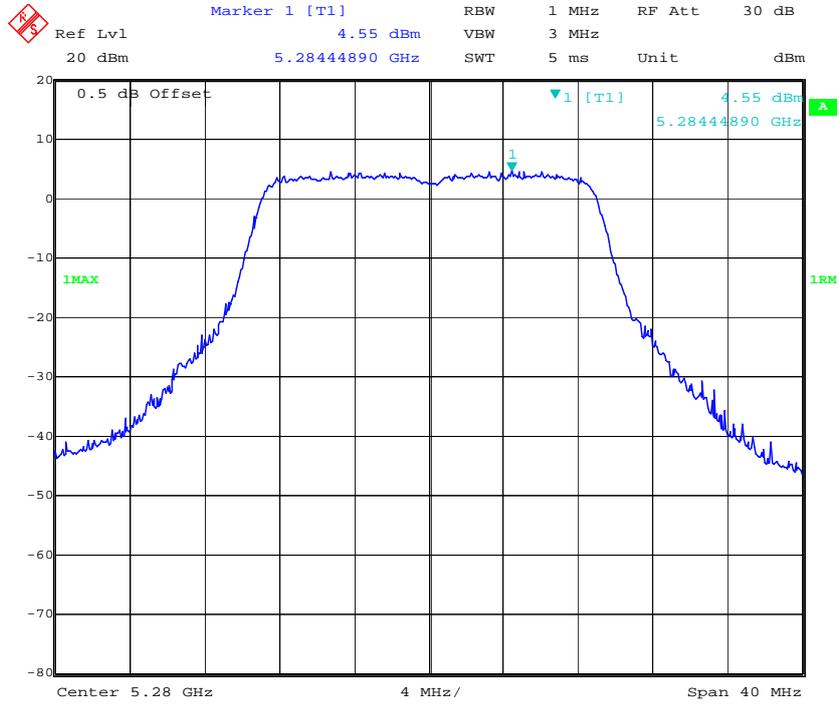
Date: 4.DEC.2016 13:35:49

802.11n ht20 Low Channel – Chain2



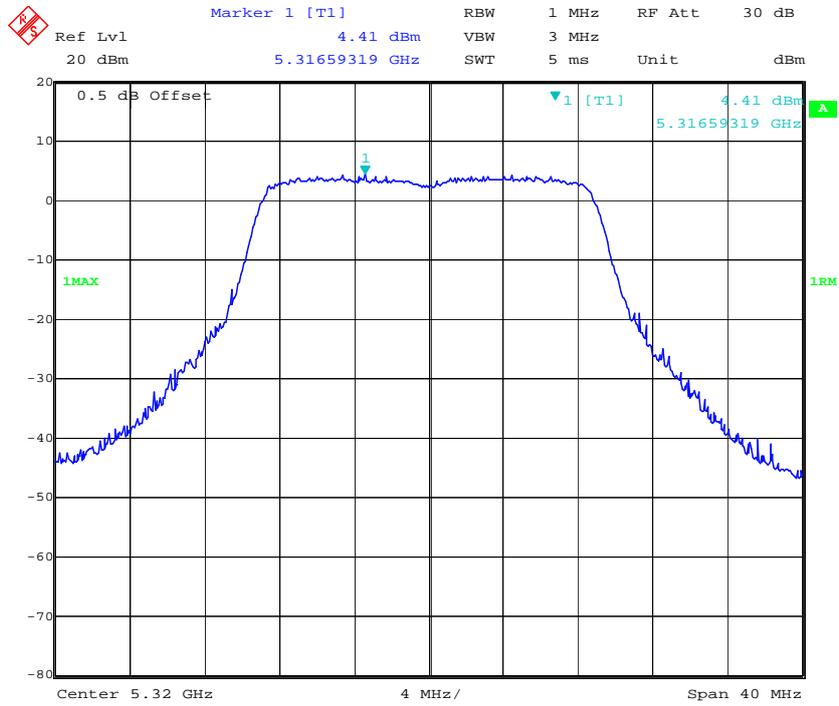
Date: 4.DEC.2016 13:37:54

802.11n ht20 Middle Channel – Chain2



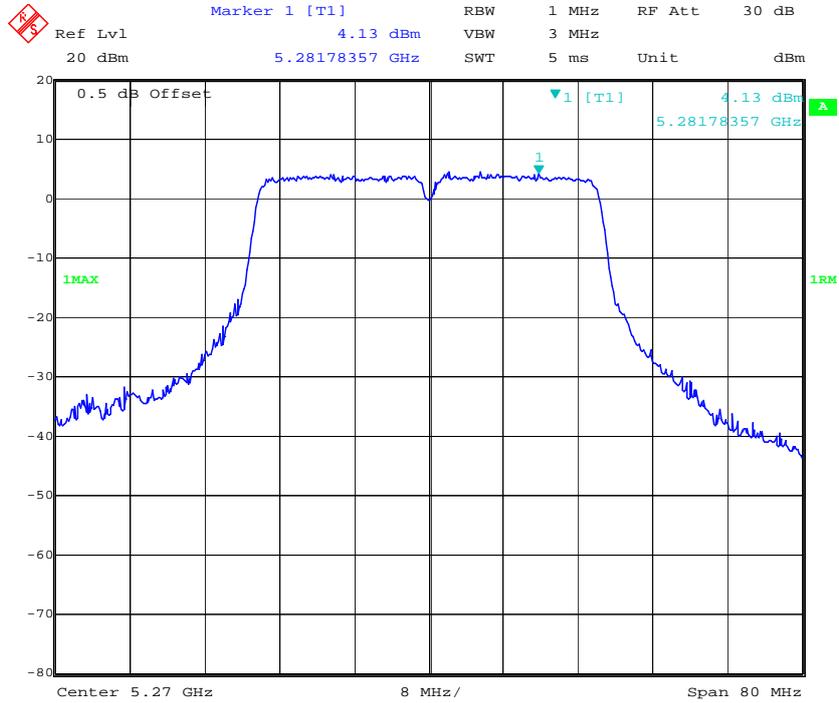
Date: 4.DEC.2016 13:37:33

802.11n ht20 High Channel – Chain2



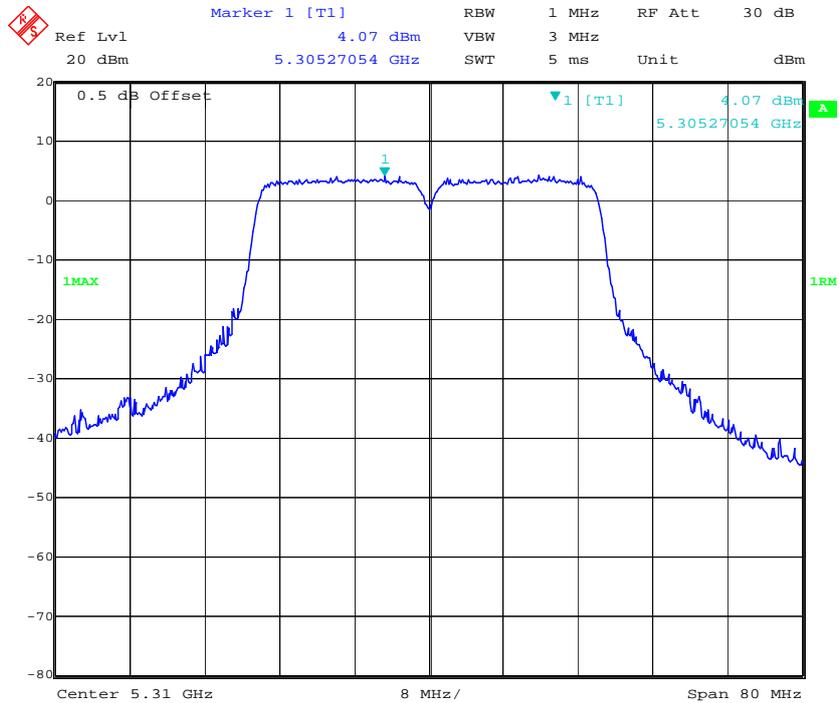
Date: 4.DEC.2016 13:37:12

802.11n ht40 Low Channel – Chain2



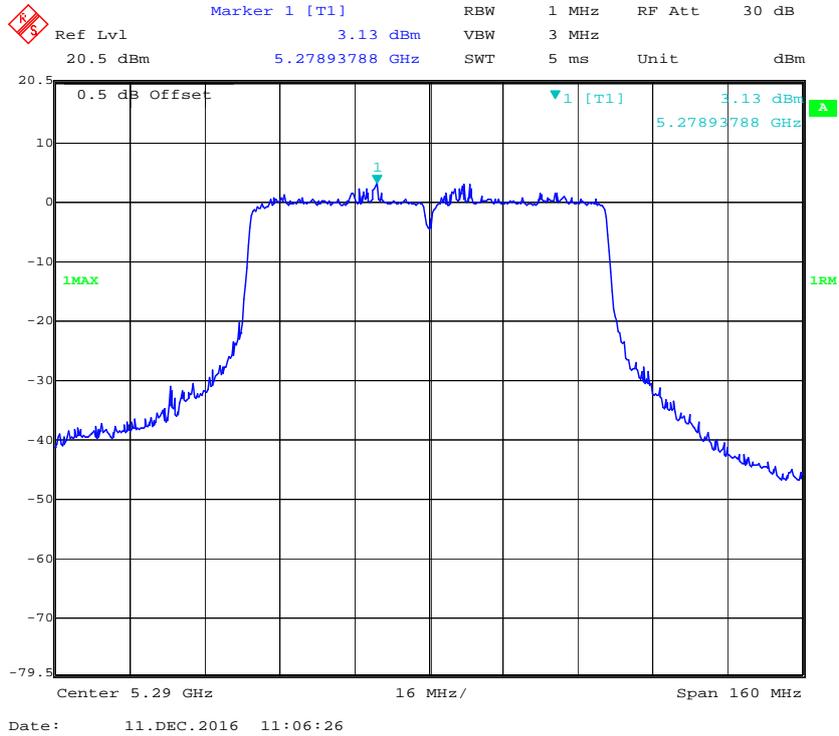
Date: 4.DEC.2016 13:38:23

802.11n ht40 High Channel – Chain2



Date: 4.DEC.2016 13:39:13

802.11 ac80 Middle Channel – Chain2



**5470-5725MHz:
SISO:**

Mode	Channel	Frequency (MHz)	Test Data (dBm/MHz)			Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)			Limit (dBm/MHz)
			Chain 0	Chain 1	Chain 2		Chain 0	Chain 1	Chain 2	
802.11 a	Low	5500	10.64	10.67	10.25	0.13	10.77	10.80	10.38	11
	Middle	5600	10.13	10.32	9.6	0.13	10.26	10.45	9.73	11
	High	5700	9.65	9.99	9.57	0.13	9.78	10.12	9.7	11
	Cross	5720	9.39	9.68	9.02	0.13	9.52	9.81	9.15	11
802.11 n20	Low	5500	10.1	10.39	10.01	0.18	10.28	10.57	10.19	11
	Middle	5600	9.71	10.09	9.38	0.18	9.89	10.27	9.56	11
	High	5700	8.12	9.26	8.09	0.18	8.3	9.44	8.27	11
	Cross	5720	9.17	9.45	8.92	0.18	9.35	9.63	9.1	11
802.11 n40	Low	5510	7.8	7.91	7.45	0.46	8.26	8.37	7.91	11
	Middle	5590	7.60	8.04	6.75	0.46	8.06	8.50	7.21	11
	High	5670	6.64	6.99	6.45	0.46	7.1	7.45	6.91	11
	Cross	5710	6.82	6.99	6.78	0.46	7.28	7.45	7.24	11
802.11 ac80	Low	5530	3.87	4.05	3.6	0.6	4.47	4.65	4.2	11
	High	5610	6.62	6.74	5.91	0.6	7.22	7.34	6.51	11
	Cross	5690	5.96	6.49	5.75	0.6	6.56	7.09	6.35	11

2TX:

Mode	Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)		Total (dBm/MHz)	Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
			Chain 0	Chain 1				
802.11 a	Low	5500	6.99	7.6	10.32	0.13	10.45	11
	Middle	5600	7.48	7.17	10.34	0.13	10.47	11
	High	5700	6.82	7.29	10.07	0.13	10.2	11
	Cross	5720	6.82	7.42	10.14	0.13	10.27	11
802.11 n20	Low	5500	6.84	7.16	10.01	0.18	10.19	11
	Middle	5600	6.86	7.67	10.29	0.18	10.47	11
	High	5700	6.41	6.88	9.66	0.18	9.84	11
	Cross	5720	6.41	6.7	9.57	0.18	9.75	11
802.11 n40	Low	5510	5.25	5.45	8.36	0.46	8.82	11
	Middle	5590	7.33	7.68	10.52	0.46	10.98	11
	High	5670	7.21	7.11	10.17	0.46	10.63	11
	Cross	5710	6.98	7.49	10.25	0.46	10.71	11
802.11 ac80	Low	5530	4.5	6.93	8.89	0.6	9.49	11
	High	5610	6.87	7.72	10.33	0.6	10.93	11
	Cross	5690	6.41	6.75	9.59	0.6	10.19	11

Note: the device is a master device. the 3 antenna maximum antenna gain are 2.0dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO 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:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2 + 10 \cdot \log(2) = 5 \text{ dBi} < 6 \text{ dBi}$$

MIMO-3T3R:

Mode	Channel	Frequency (MHz)	Power Spectral Density(dBm/MHz)			Total (dBm/MHz)	Duty Cycle Factor (dB)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
			Chain 0	Chain 1	Chain 2				
802.11 a	Low	5500	5.49	5.43	5.02	10.09	0.13	10.22	10.23
	Middle	5600	5.53	4.56	5.11	9.86	0.13	9.99	10.23
	High	5700	4.87	5.07	5.09	9.78	0.13	9.91	10.23
	Cross	5720	4.93	5.64	4.97	9.96	0.13	10.09	10.23
802.11 n20	Low	5500	4.95	5.24	4.63	9.72	0.18	9.9	10.23
	Middle	5600	5.43	5.41	4.92	10.03	0.18	10.21	10.23
	High	5700	4.39	4.72	4.6	9.34	0.18	9.52	10.23
	Cross	5720	4.63	5.53	4.73	9.75	0.18	9.93	10.23
802.11 n40	Low	5510	4.68	4.8	4.52	9.44	0.46	9.9	10.23
	Middle	5590	5.16	5.1	4.68	9.76	0.46	10.22	10.23
	High	5670	3.44	5.01	5.06	9.34	0.46	9.80	10.23
	Cross	5710	4.52	4.67	4.14	9.22	0.46	9.68	10.23
802.11 ac80	Low	5530	2.61	2.81	1.88	7.22	0.6	7.82	10.23
	High	5610	5.43	3.61	4.62	9.39	0.6	9.99	10.23
	Cross	5690	4.72	4.18	4.07	9.1	0.6	9.7	10.23

Note: the device is a master device. the 3 antenna maximum antenna gain are 2.0dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO 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:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2 + 10 \cdot \log(3) = 6.77 \text{ dBi} > 6 \text{dBi}$$

$$\text{Power density Limits} = 11 - (6.77 - 6) = 10.23 \text{dBm}$$

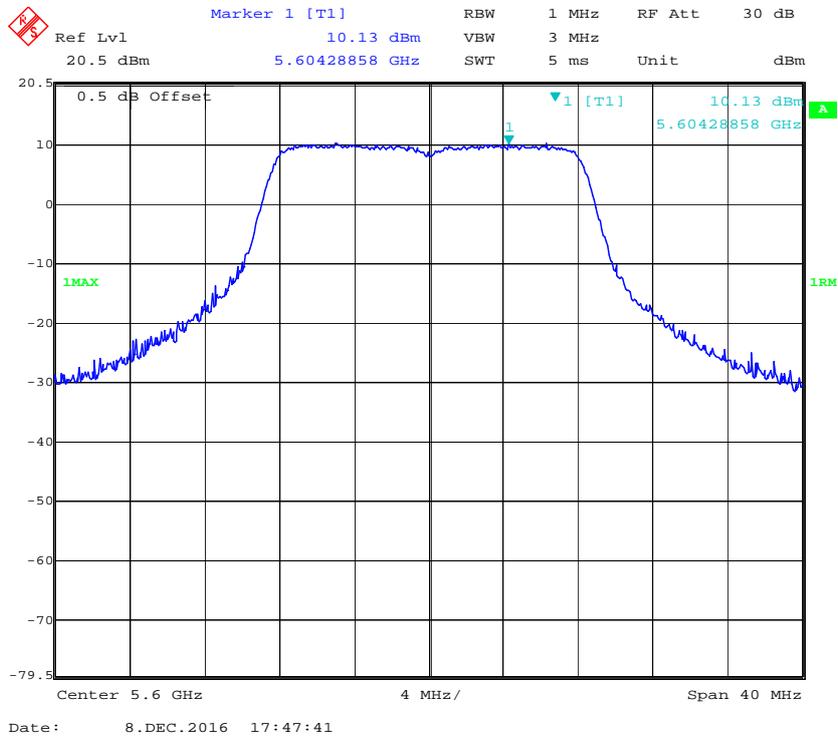
For cross channels, the maximum test result meets the requirements of 5470-5725MHz, which is stricter than the requirements of 5725-5850MHz band.

5470MHz-5725MHz:
SISO:

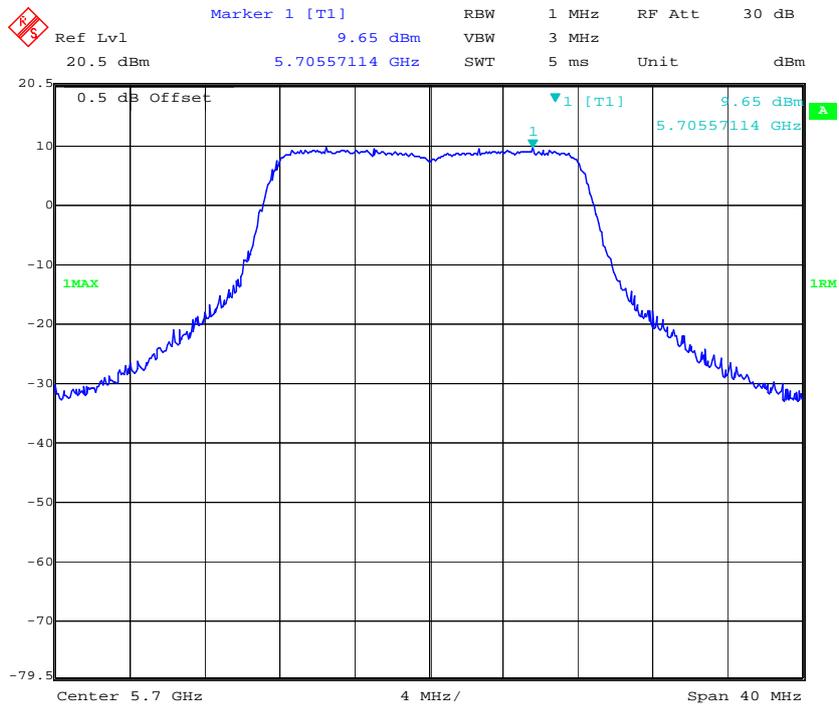
802.11a Low Channel – Chain0



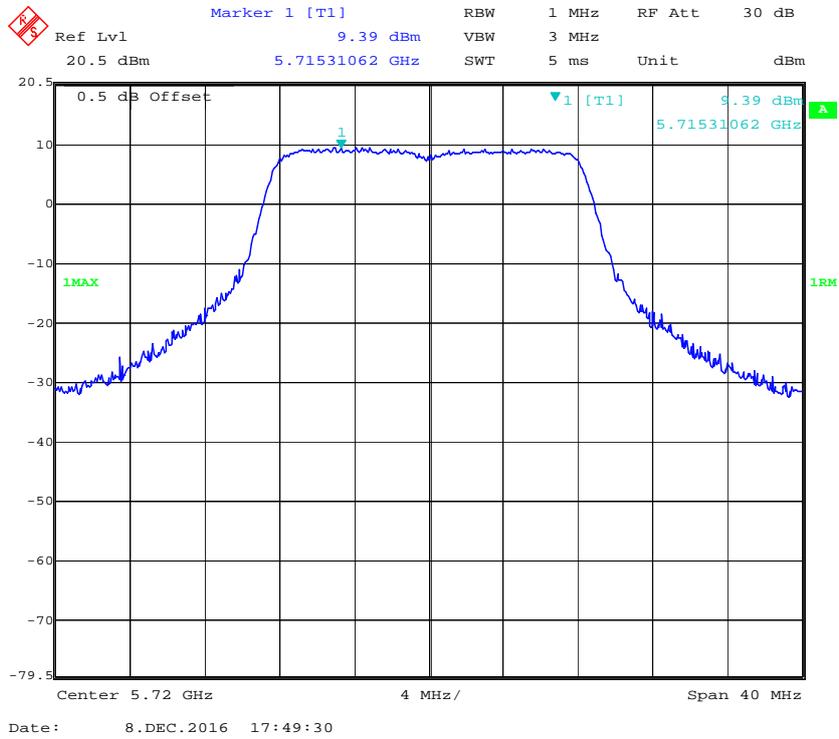
802.11a Middle Channel – Chain0



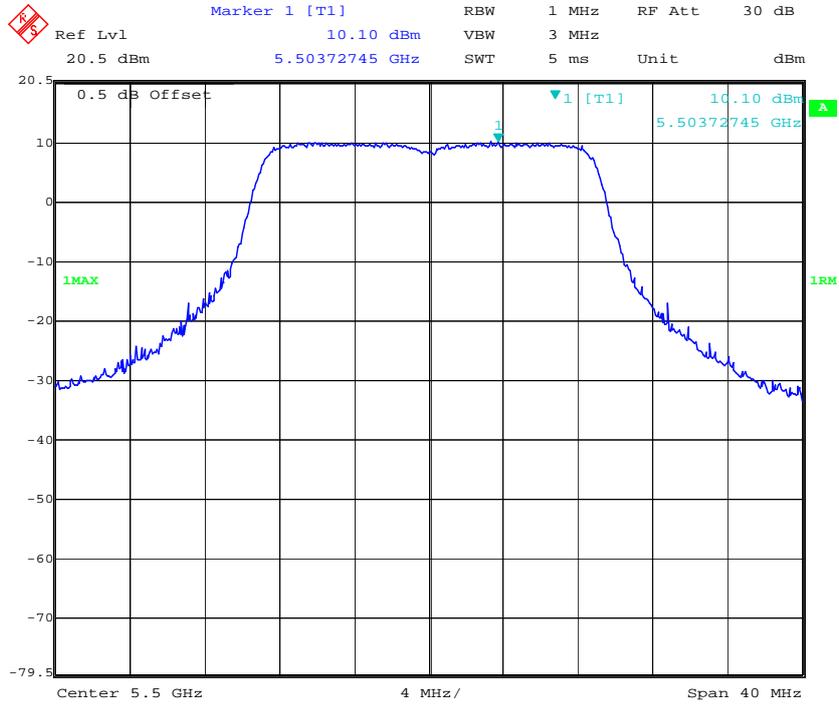
802.11a High Channel – Chain0



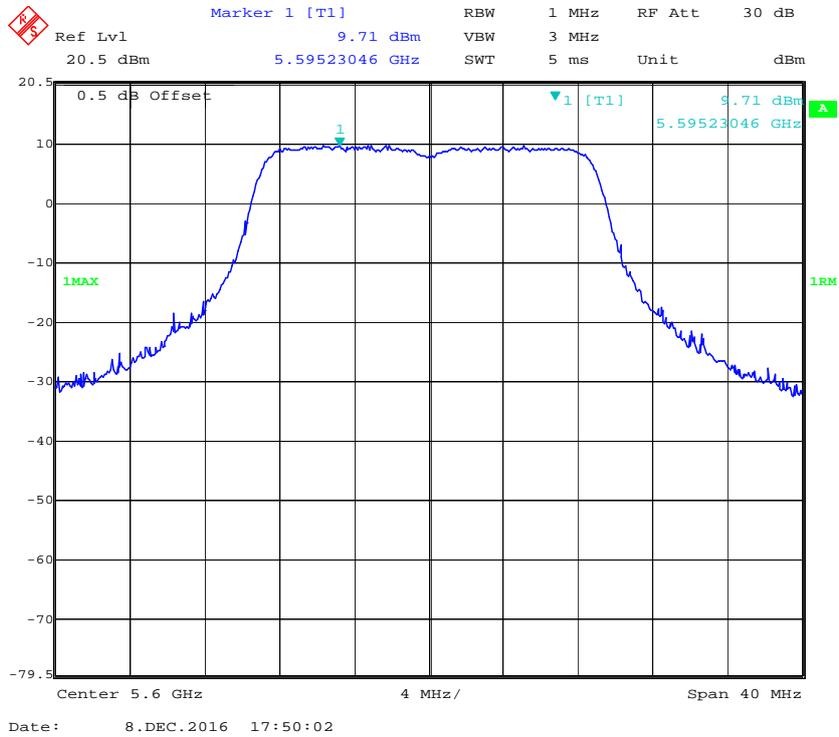
802.11a Crossed Channel – Chain0



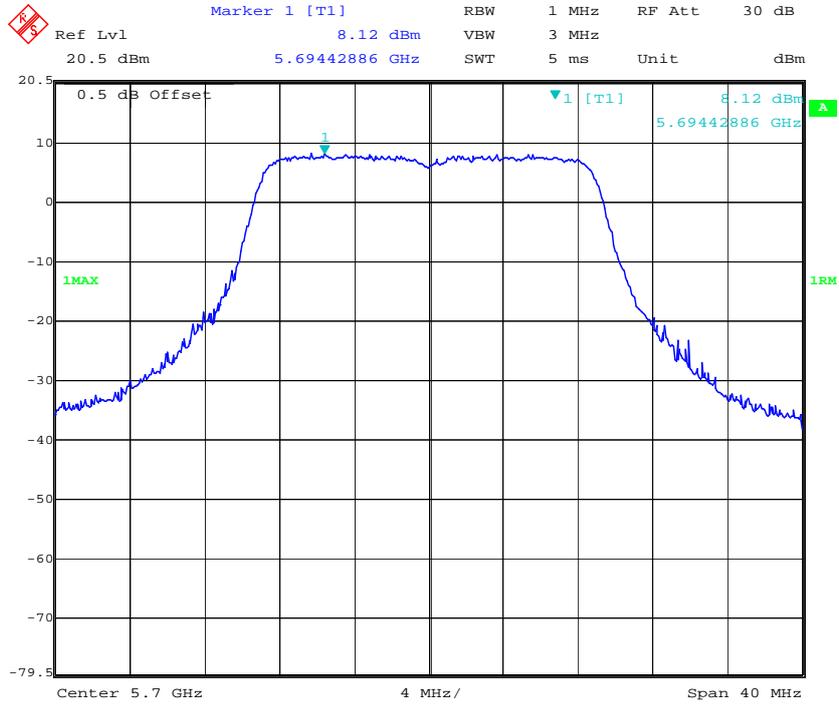
802.11n ht20 Low Channel – Chain0



802.11n ht20 Middle Channel – Chain0

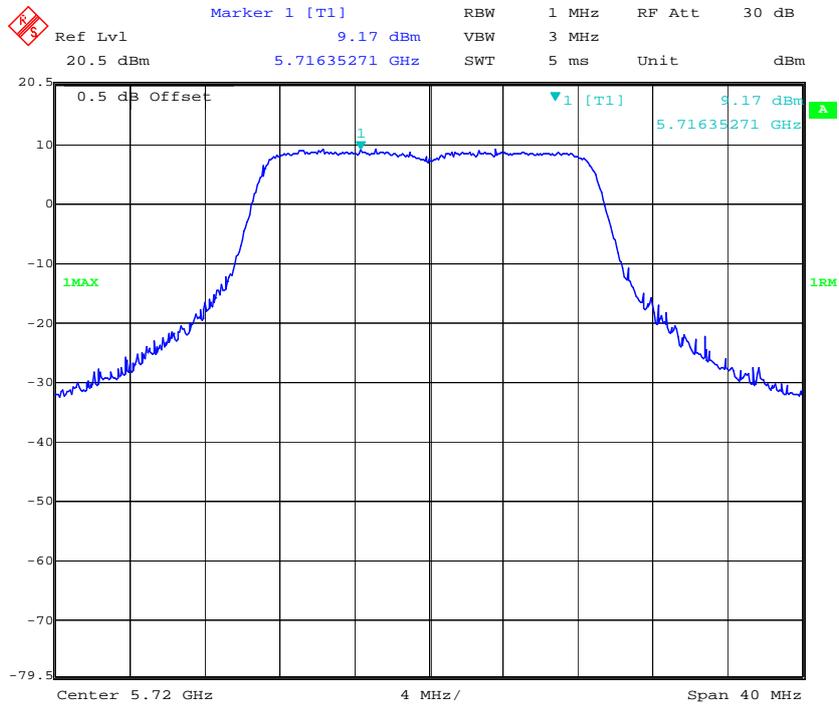


802.11n ht20 High Channel – Chain0



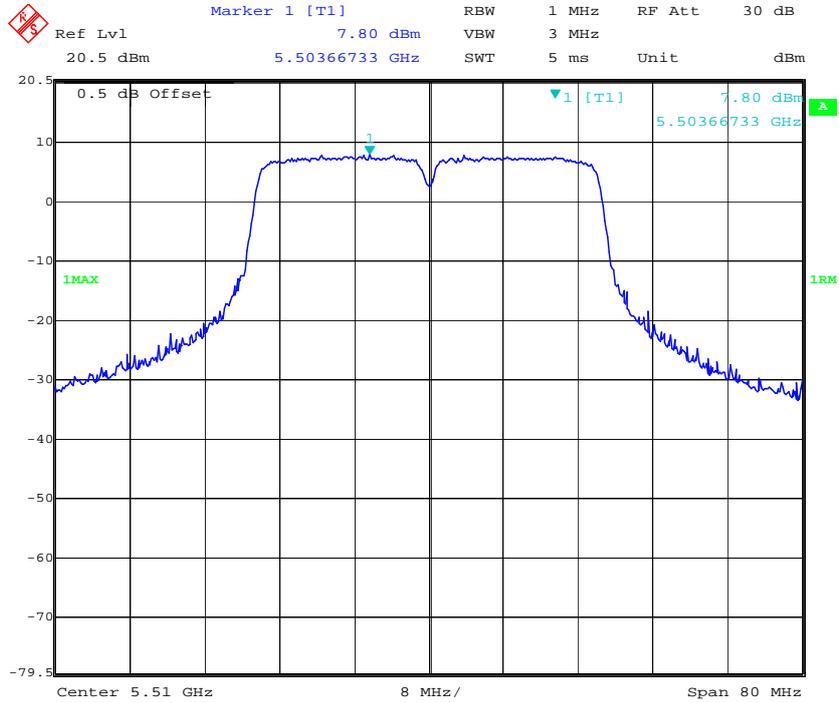
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802.11n ht20 Crossed Channel – Chain0



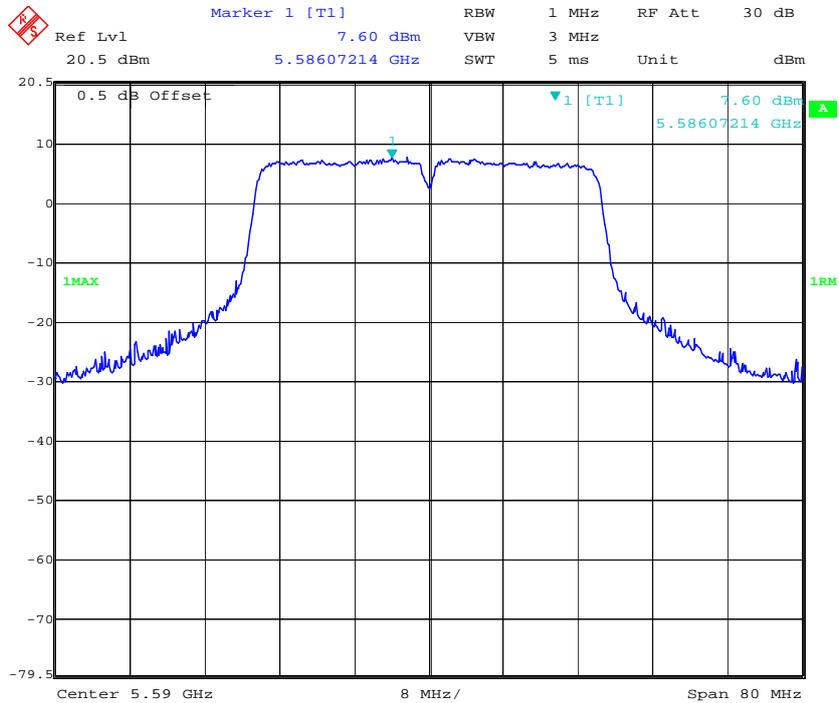
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802.11n ht40 Low Channel – Chain0



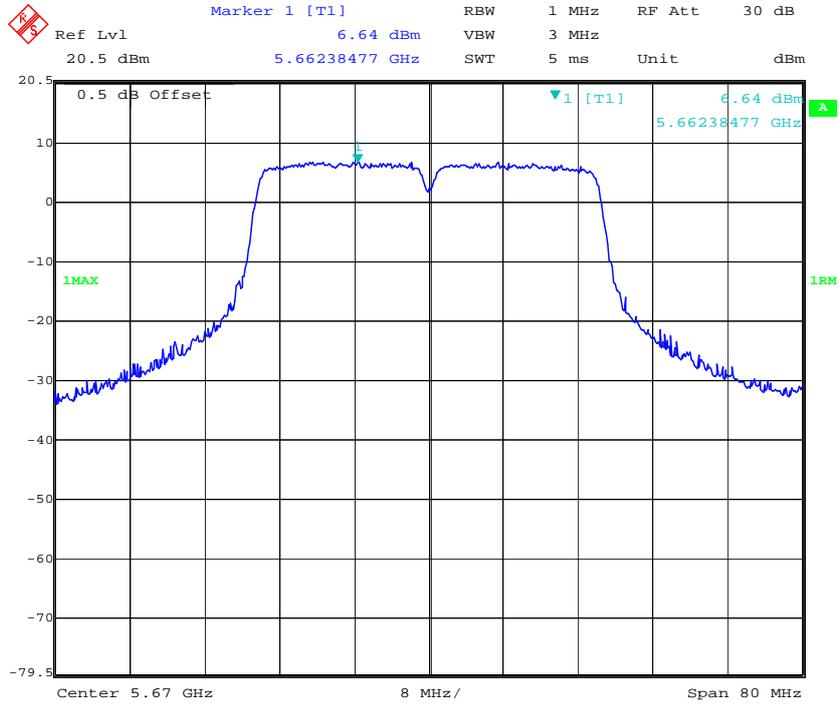
Date: 8.DEC.2016 10:54:44

802.11n ht40 Middle Channel – Chain0



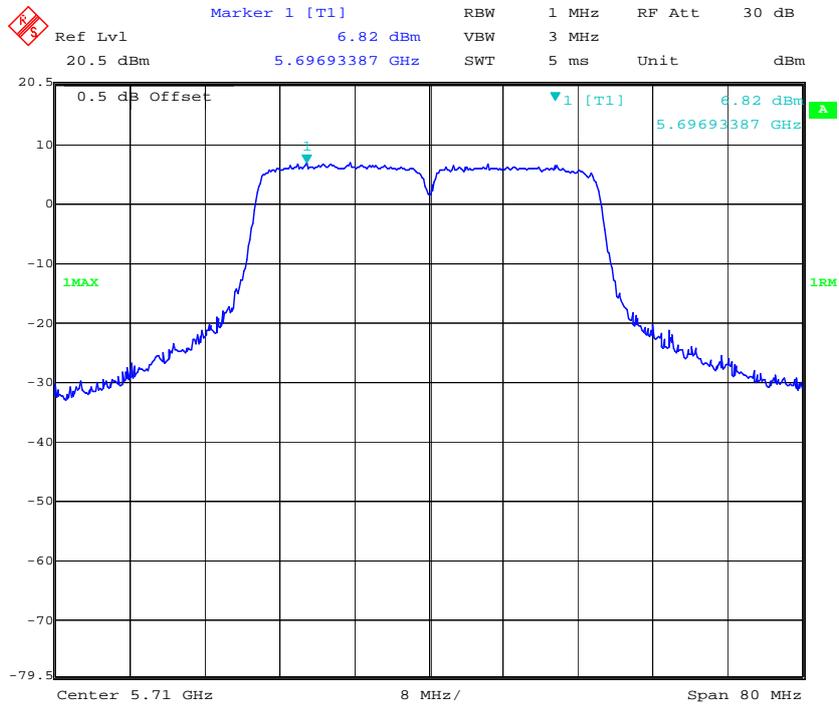
Date: 8.DEC.2016 17:39:57

802.11n ht40 High Channel – Chain0



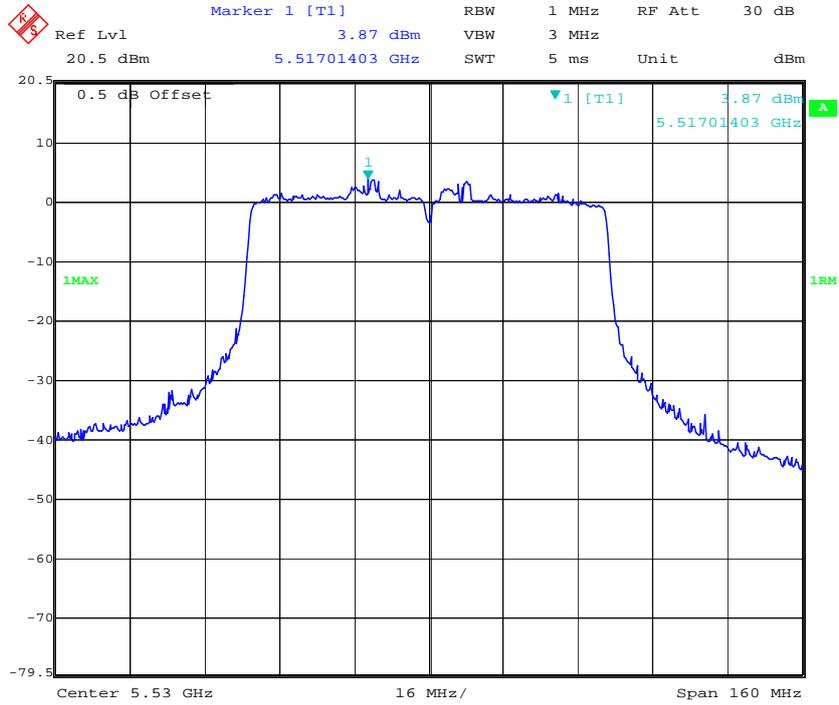
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802.11n ht40 Crossed Channel – Chain0



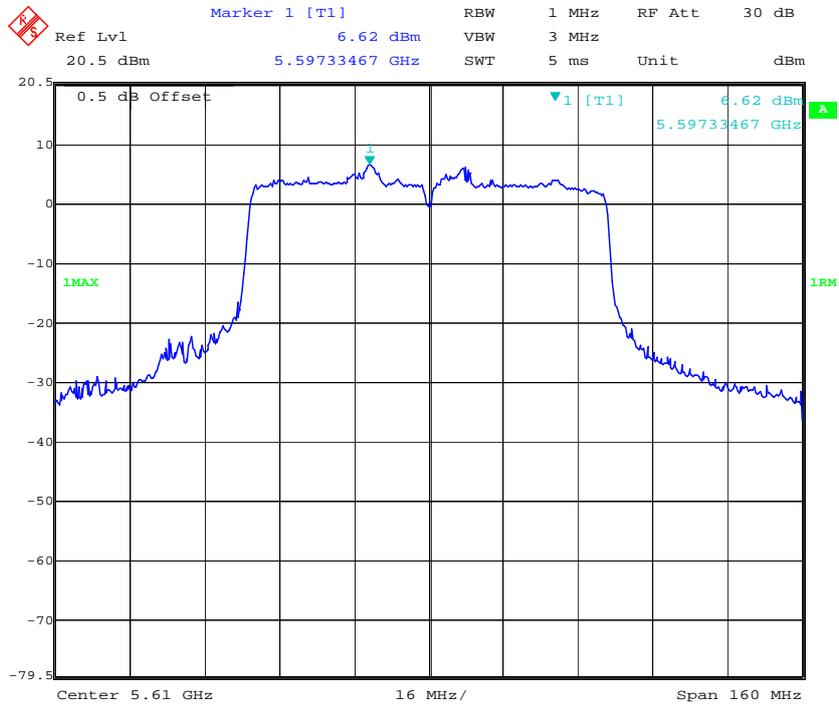
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802.11 ac80 Low Channel – Chain0



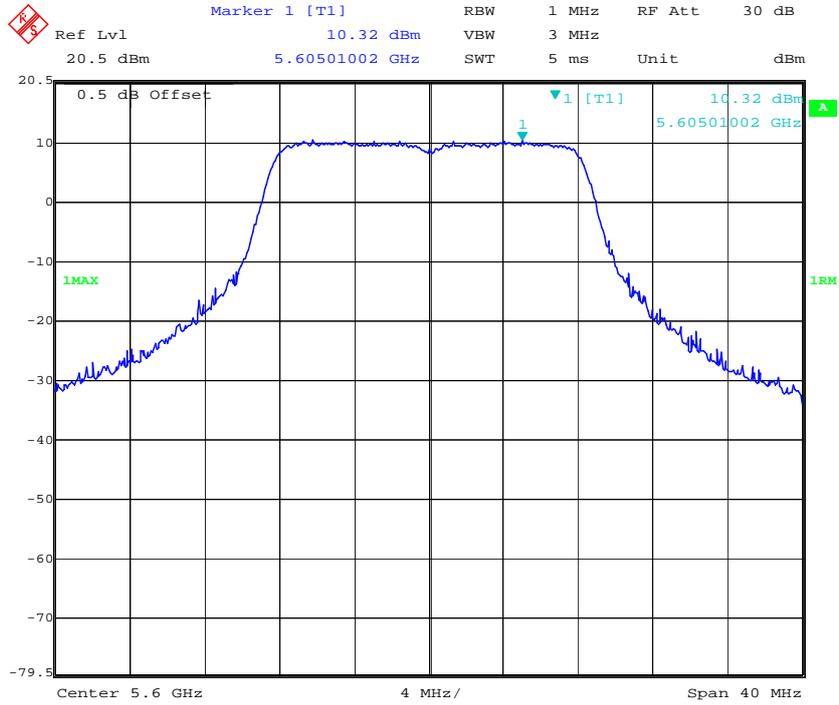
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802.11 ac80 Middle Channel – Chain0

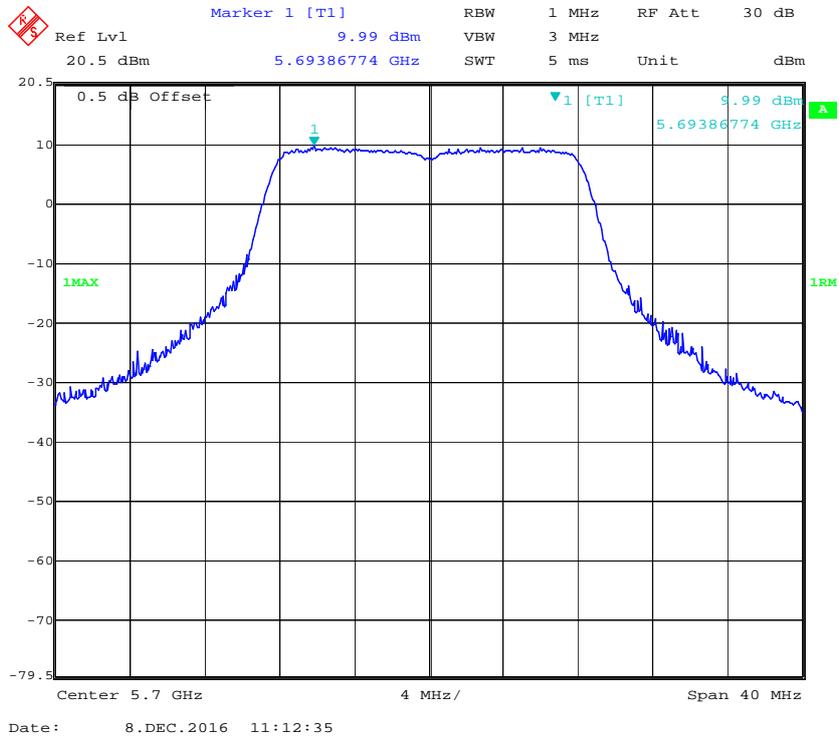


Date: 8.DEC.2016 17:51:32

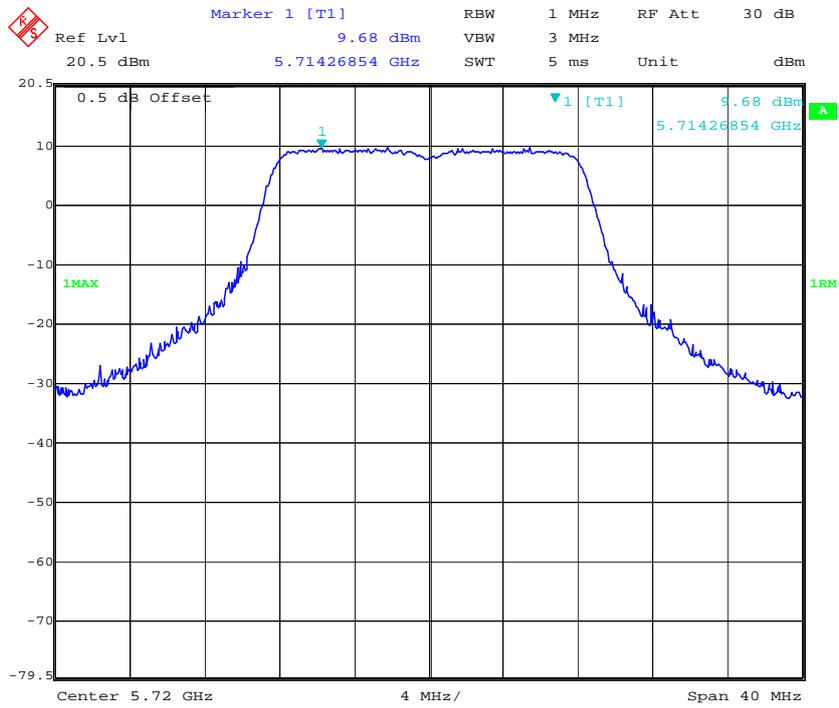
802.11a Middle Channel – Chain1



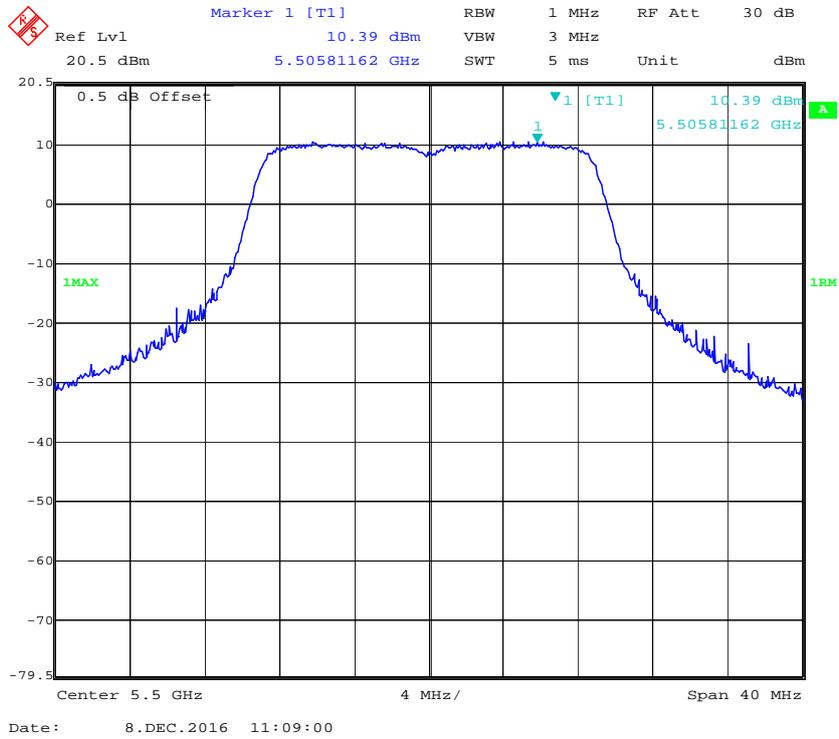
802.11a High Channel – Chain1



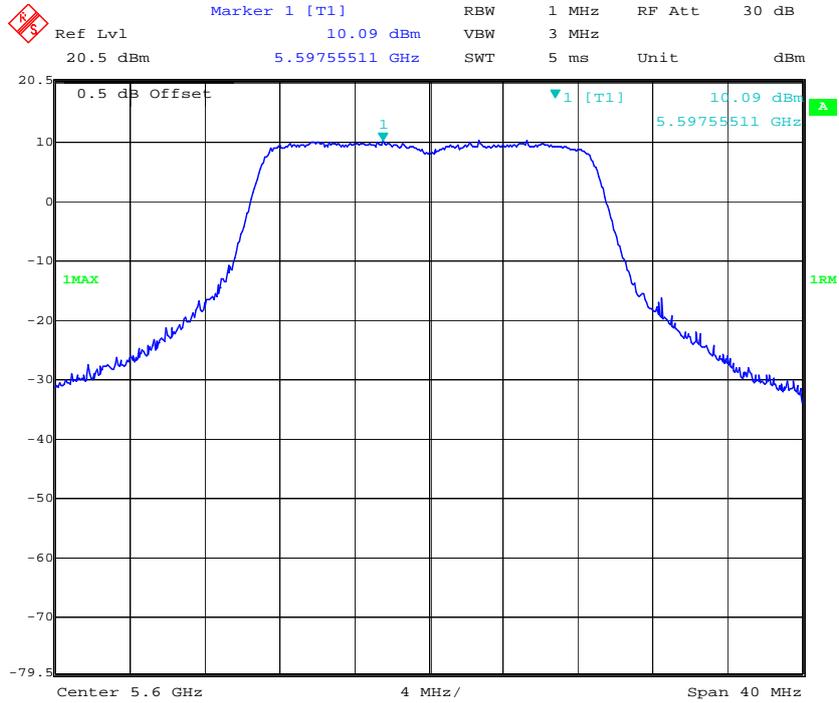
802.11a Crossed Channel – Chain1



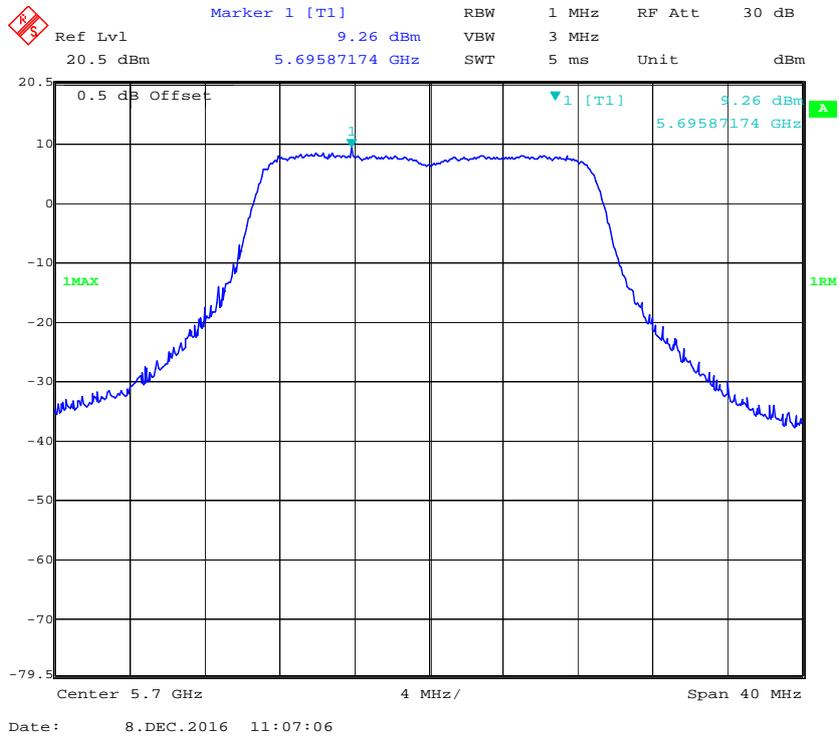
802.11n ht20 Low Channel – Chain1



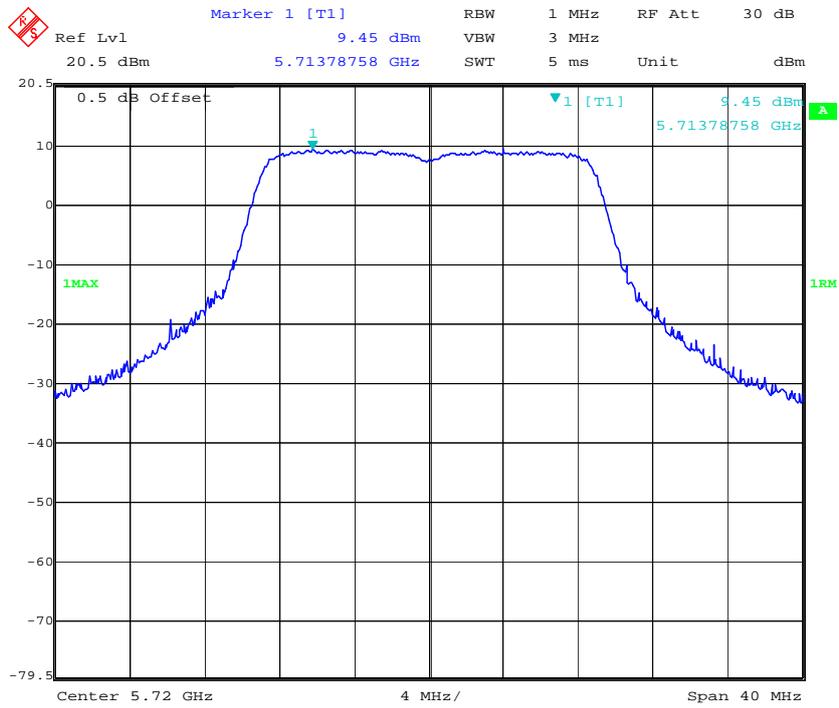
802.11n ht20 Middle Channel – Chain1



802.11n ht20 High Channel – Chain1

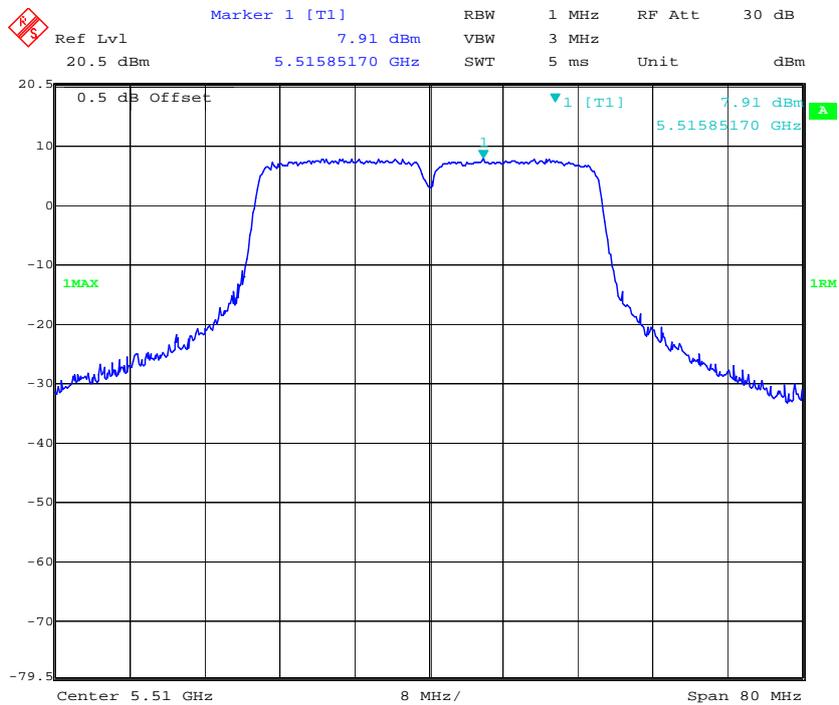


802.11n ht20 Crossed Channel – Chain1



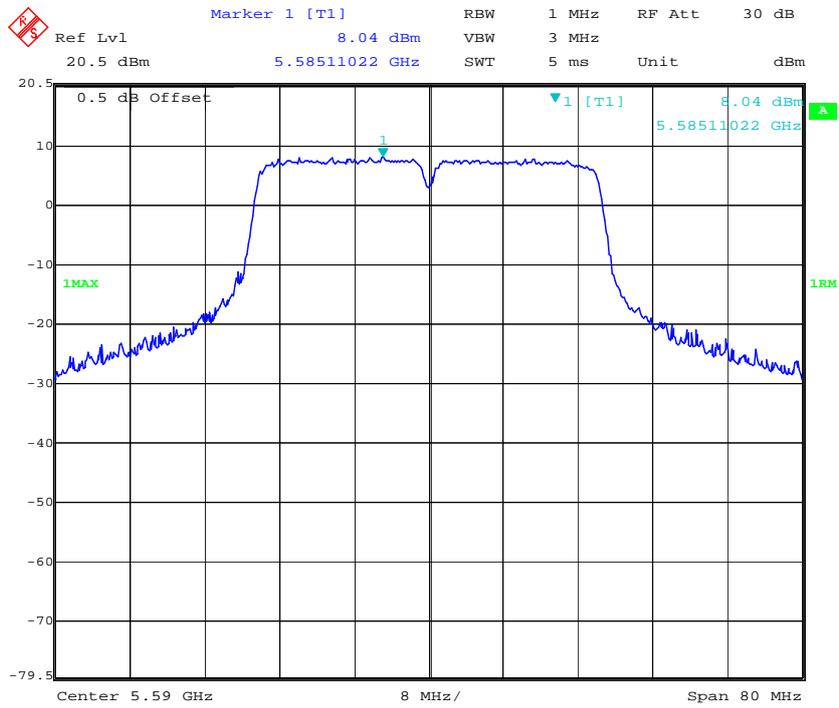
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802.11n ht40 Low Channel – Chain1



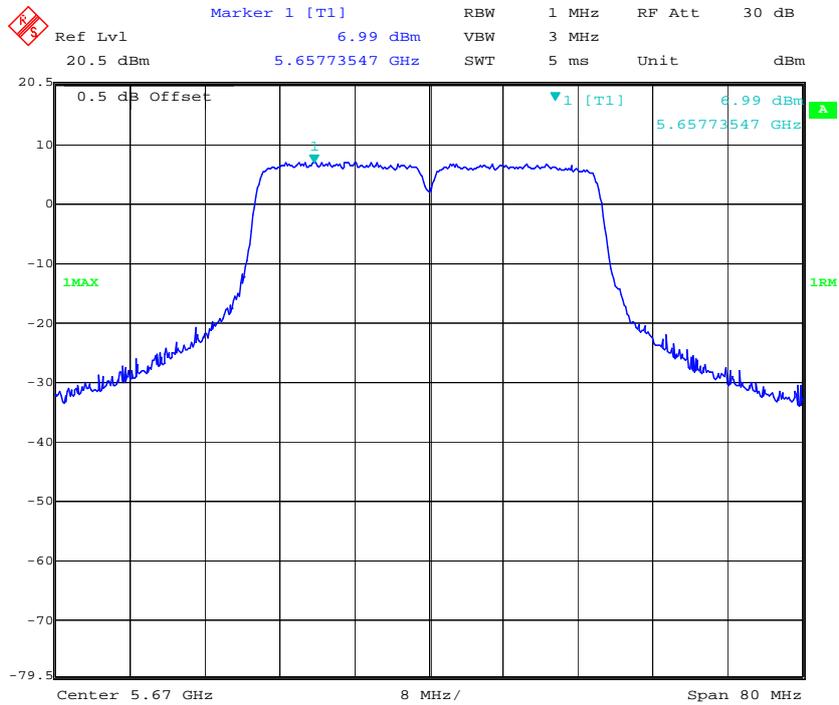
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802.11n ht40 Middle Channel – Chain1



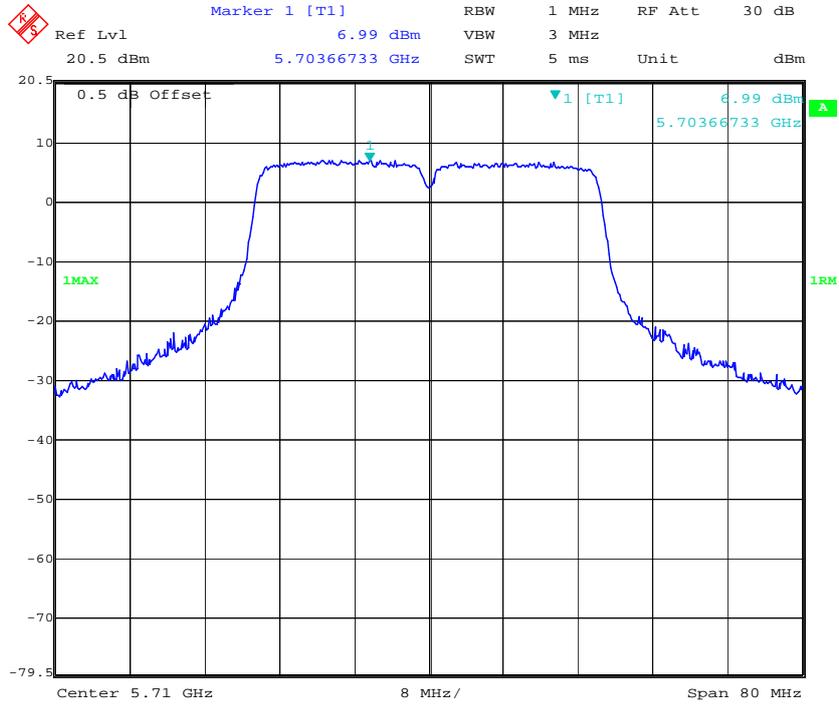
Date: 8.DEC.2016 17:40:59

802.11n ht40 High Channel – Chain1



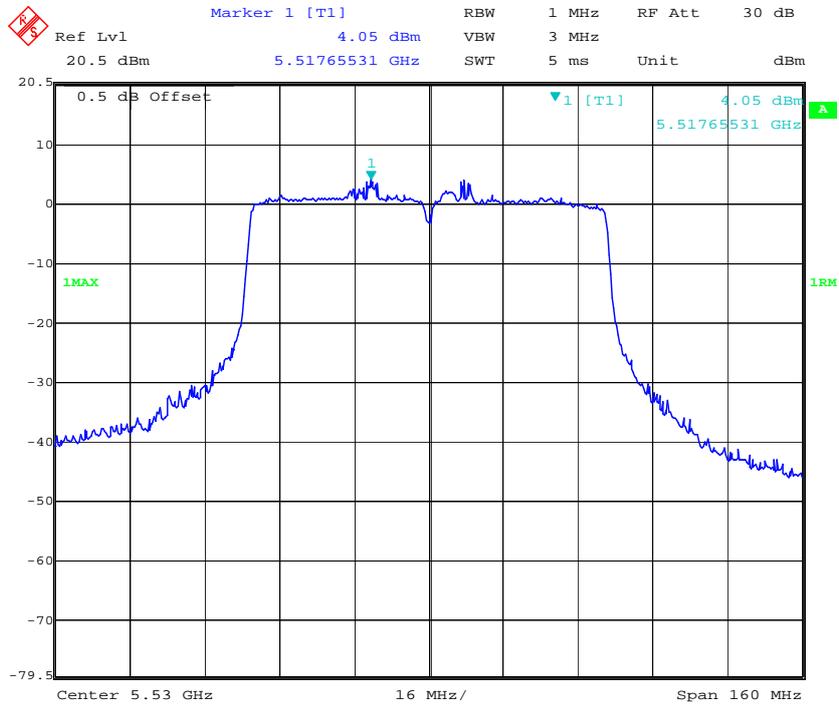
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802.11n ht40 Crossed Channel – Chain1



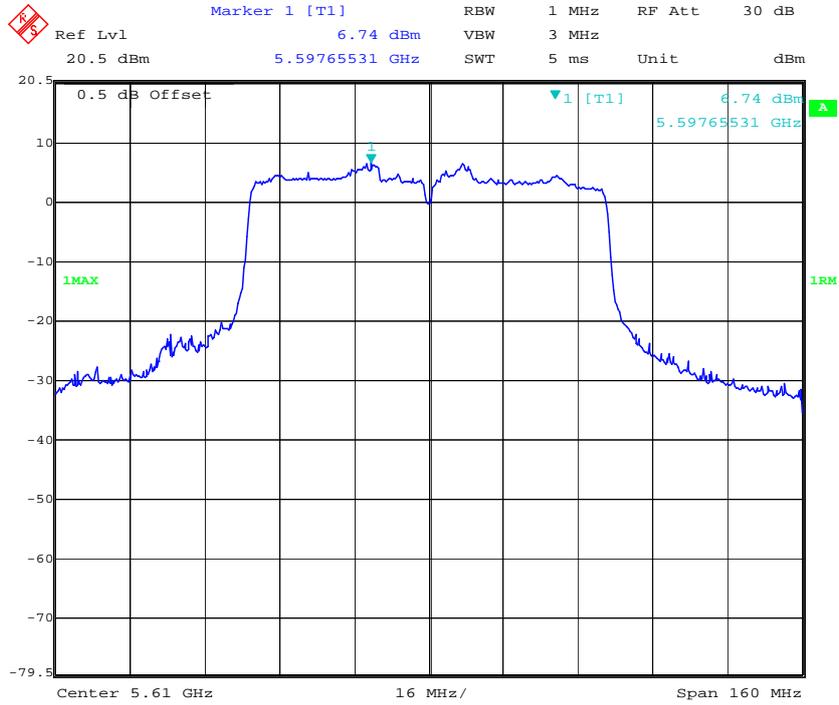
Date: 8.DEC.2016 17:52:52

802.11 ac80 Low Channel – Chain1



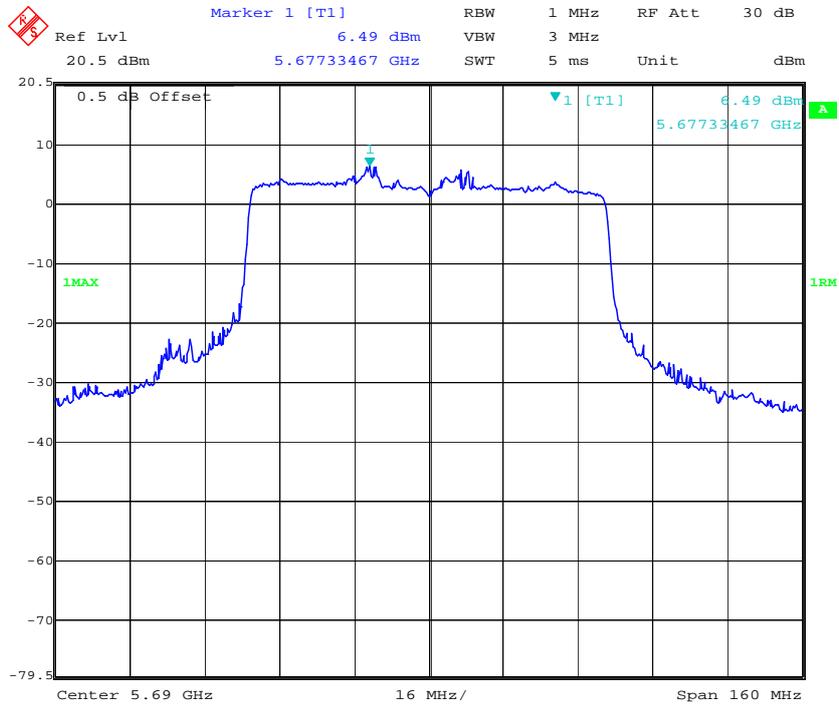
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802.11 ac80 Middle Channel – Chain1



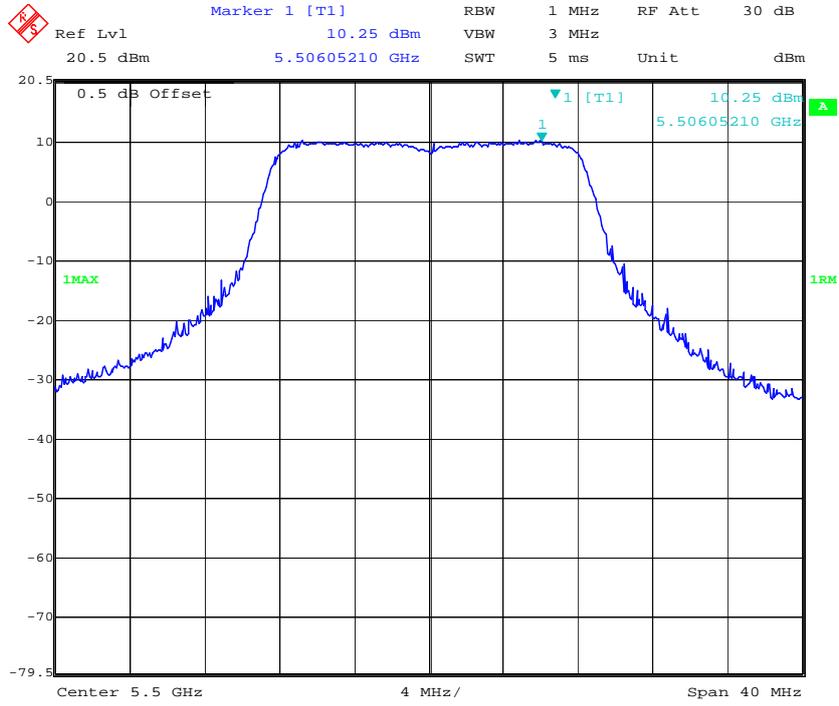
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802.11 ac80 High Channel – Chain1

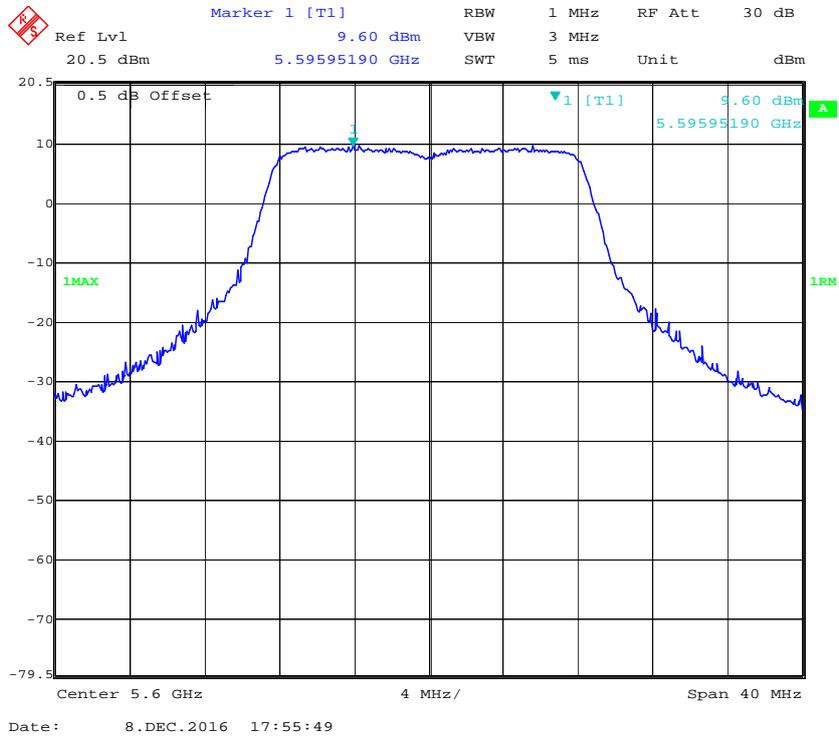


Date: 8.DEC.2016 11:00:44

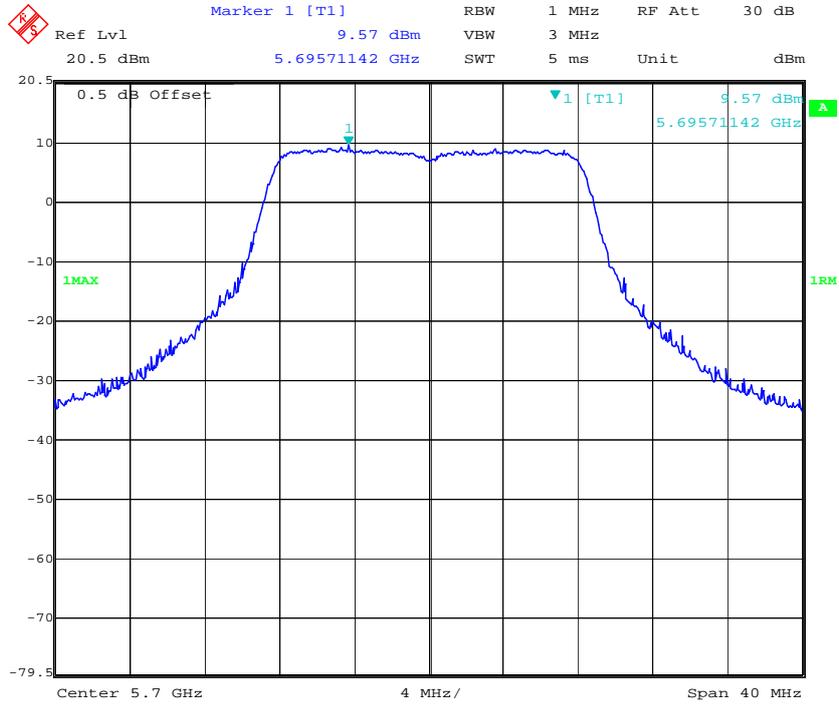
802.11a Low Channel – Chain2



802.11a Middle Channel – Chain2

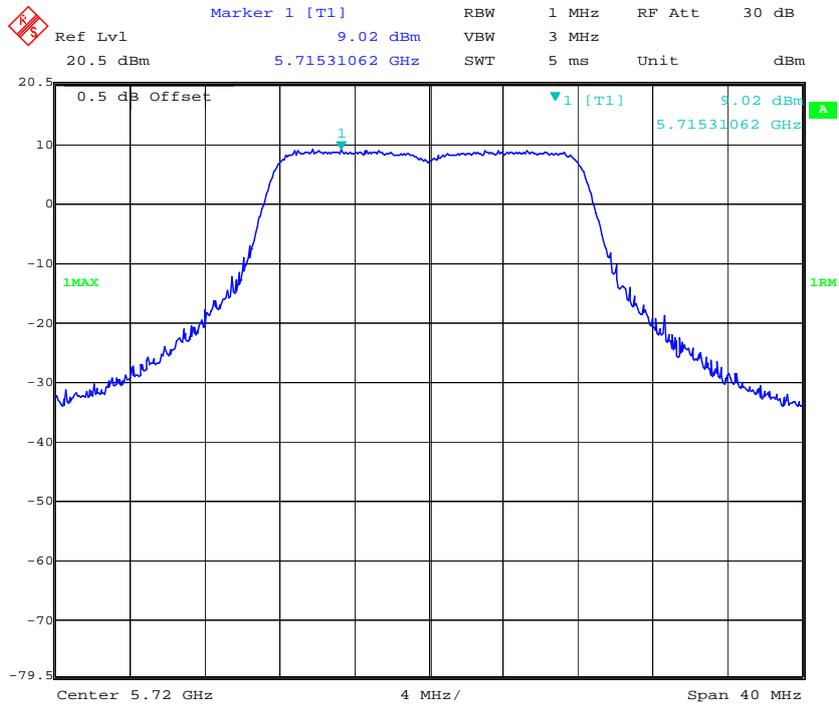


802.11a High Channel – Chain2



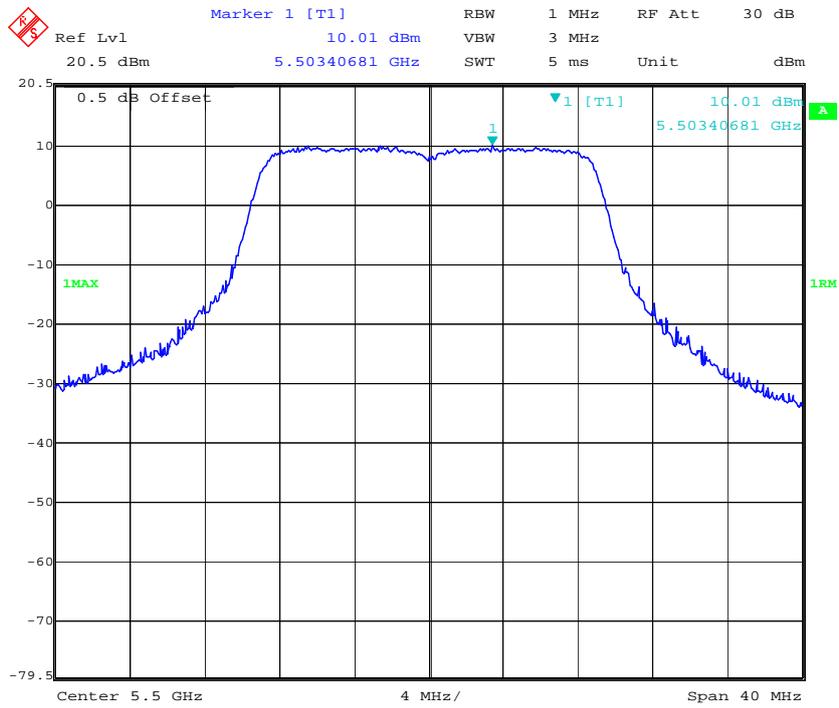
Date: 8.DEC.2016 12:17:06

802.11a Crossed Channel – Chain2

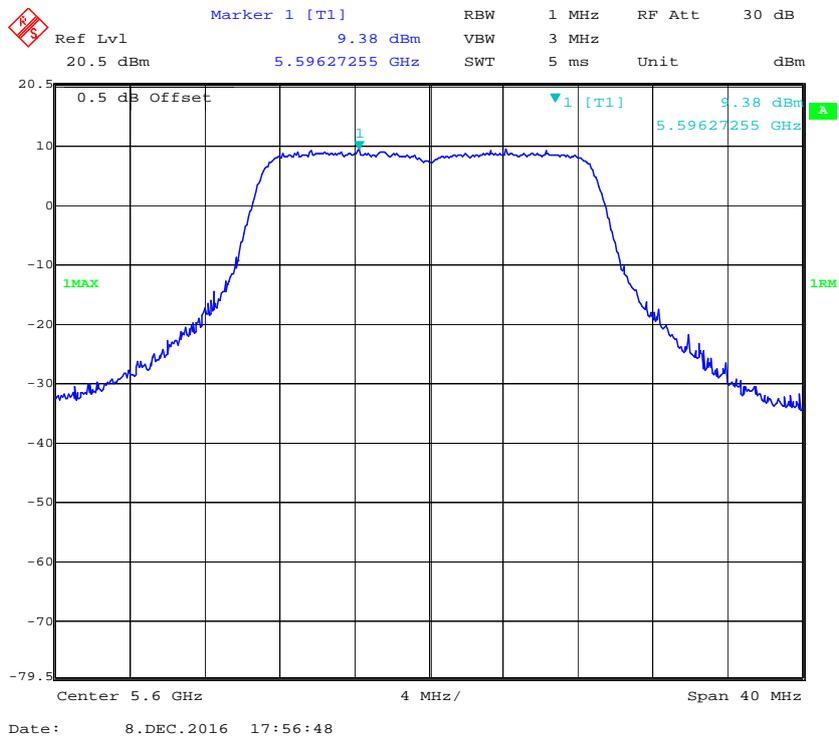


Date: 8.DEC.2016 17:56:06

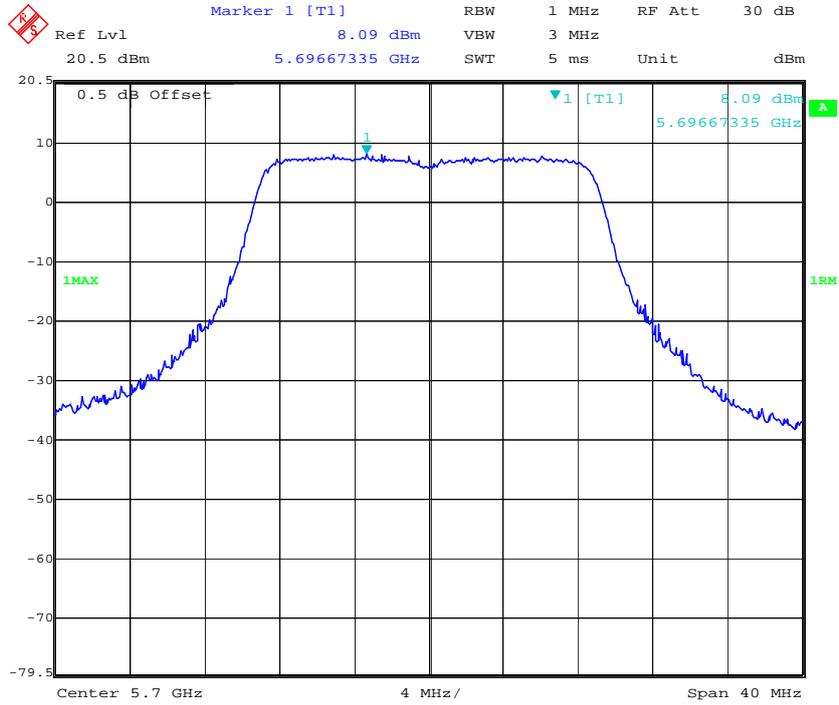
802.11n ht20 Low Channel – Chain2



802.11n ht20 Middle Channel – Chain2

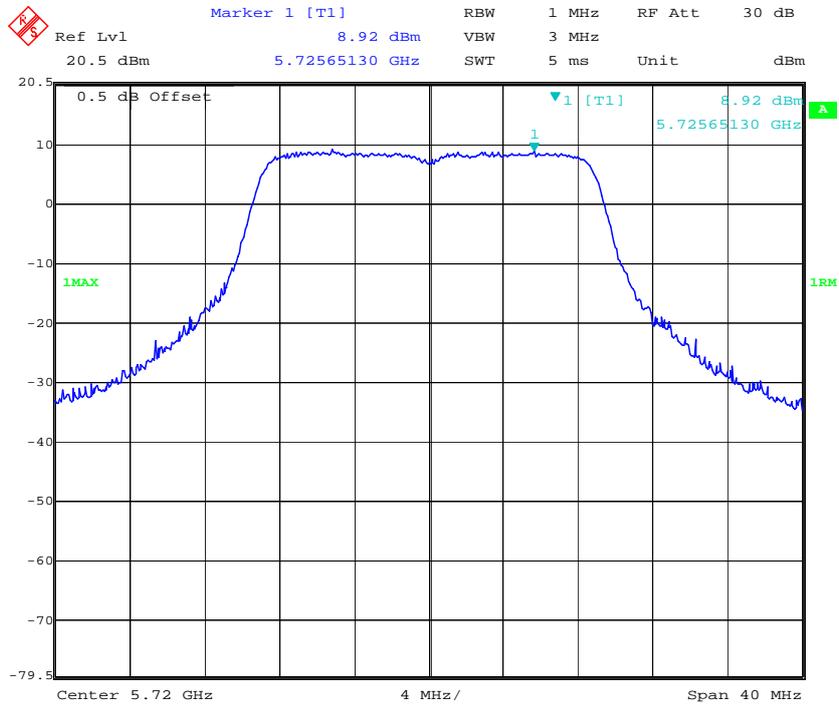


802.11n ht20 High Channel – Chain2



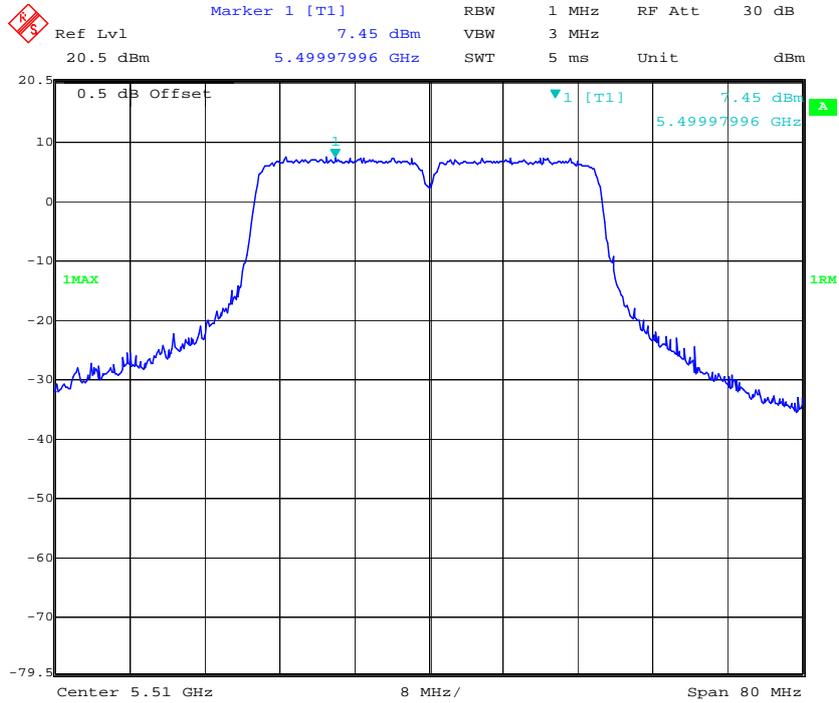
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802.11n ht20 Crossed Channel – Chain2



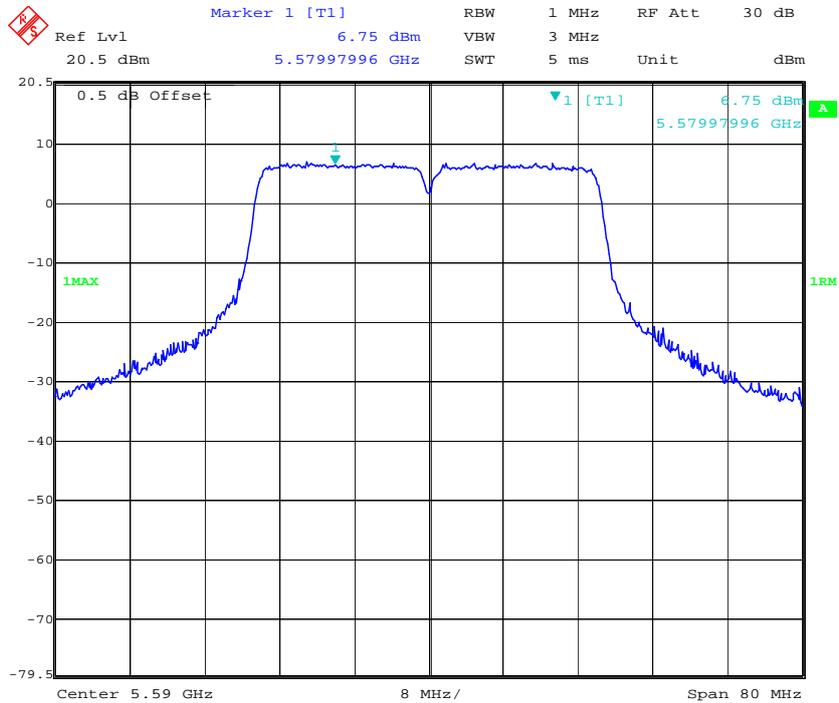
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802.11n ht40 Low Channel – Chain2



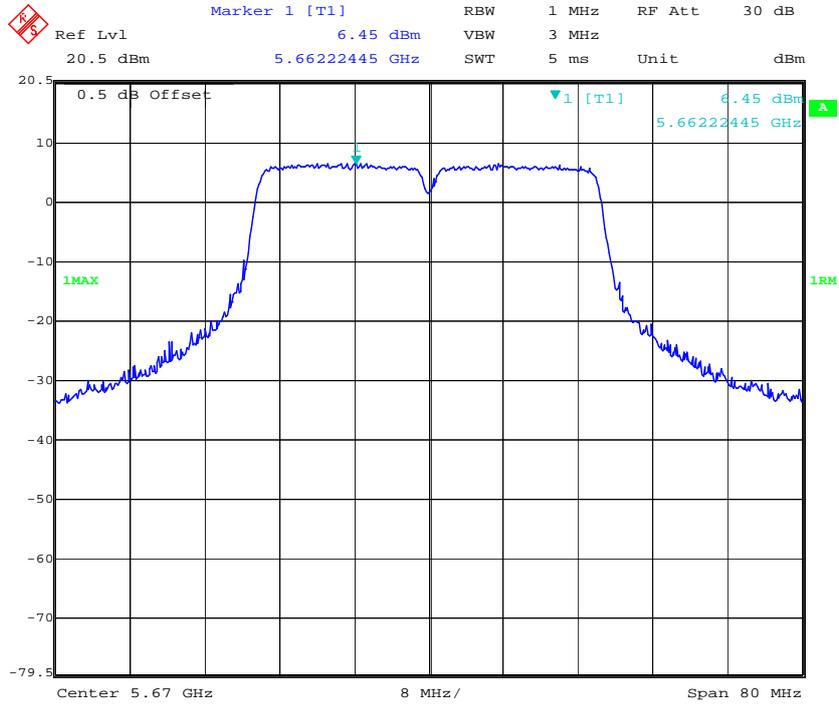
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802.11n ht40 Middle Channel – Chain2



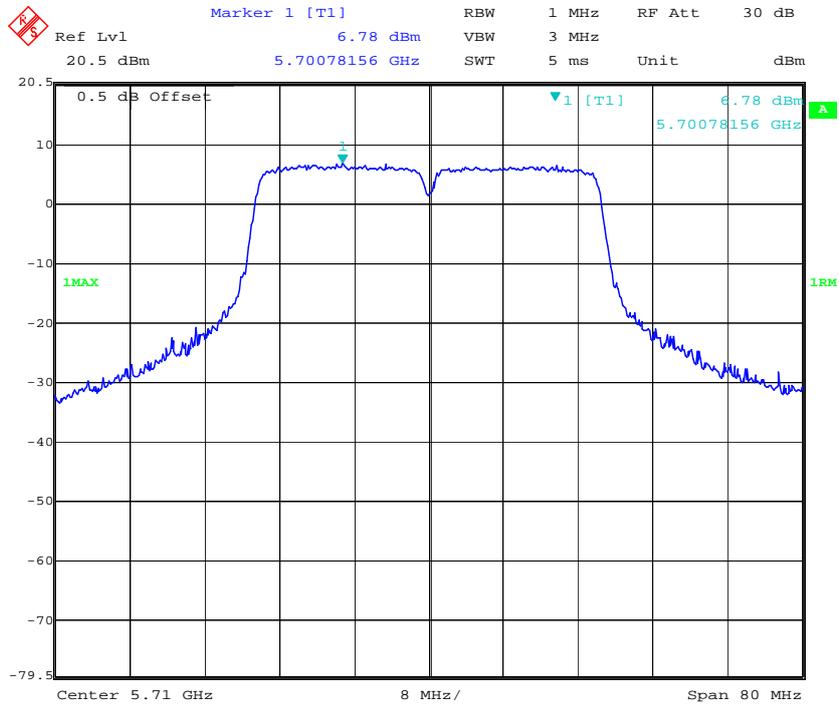
Date: 8.DEC.2016 17:57:16

802.11n ht40 High Channel – Chain2



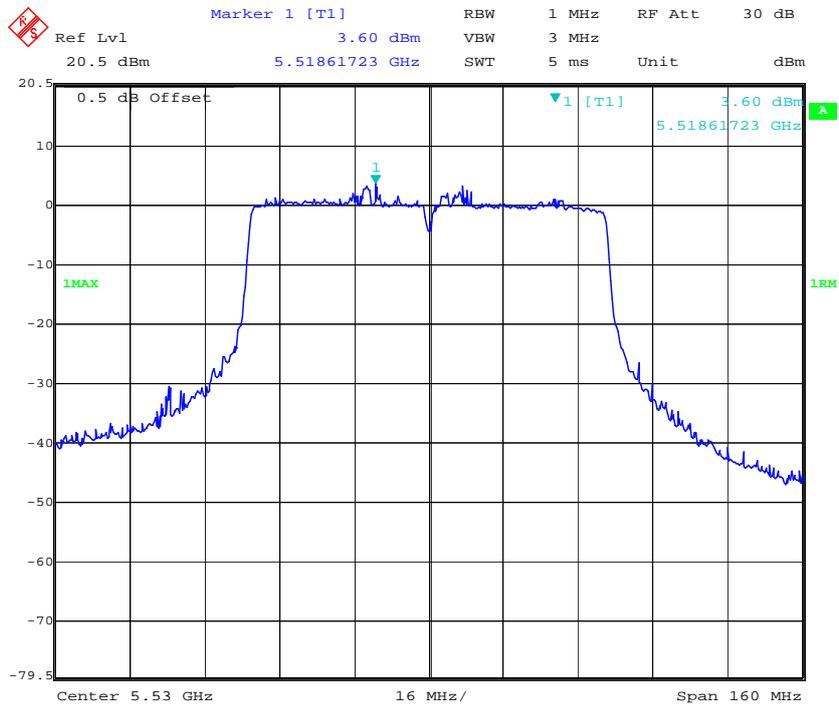
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802.11n ht40 Crossed Channel – Chain2

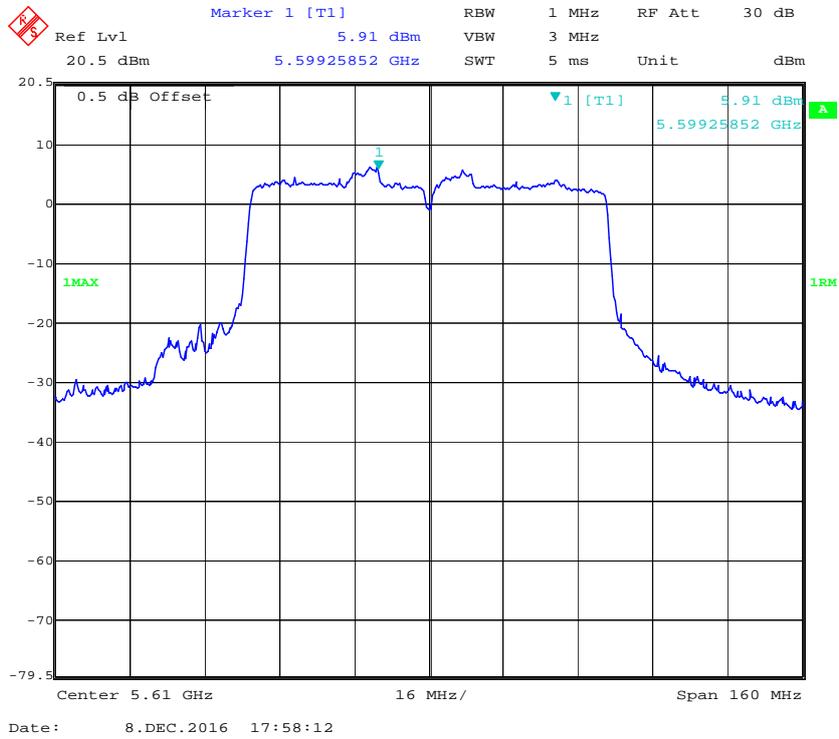


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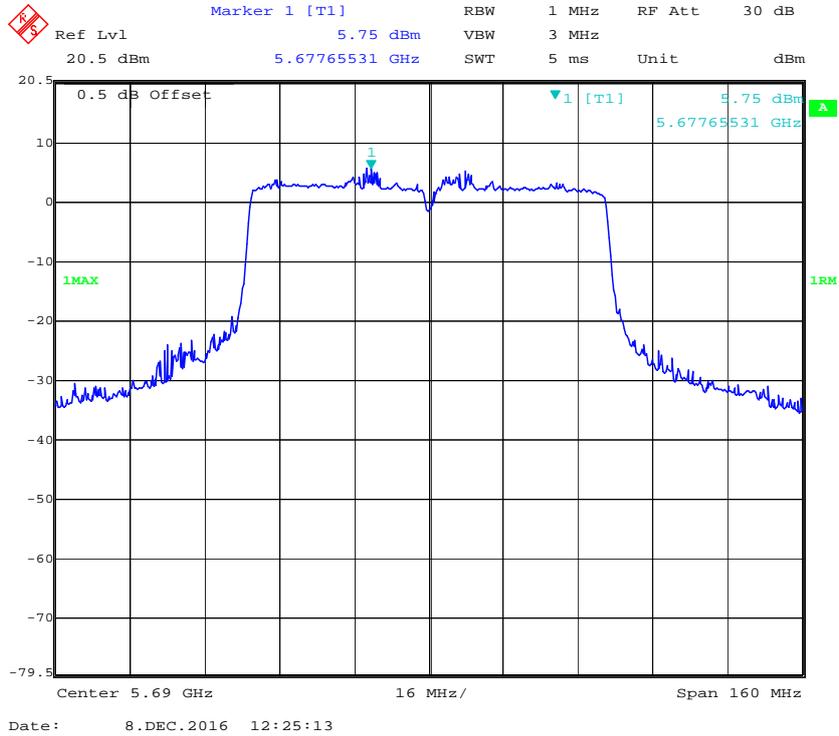
802.11 ac80 Low Channel – Chain2



802.11 ac80 Middle Channel – Chain2

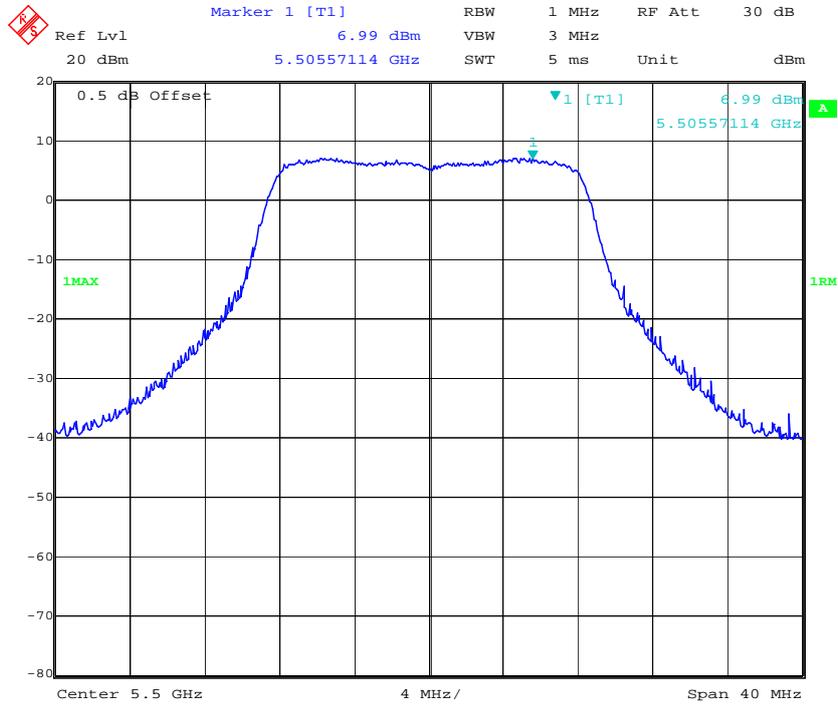


802.11 ac80 High Channel – Chain2

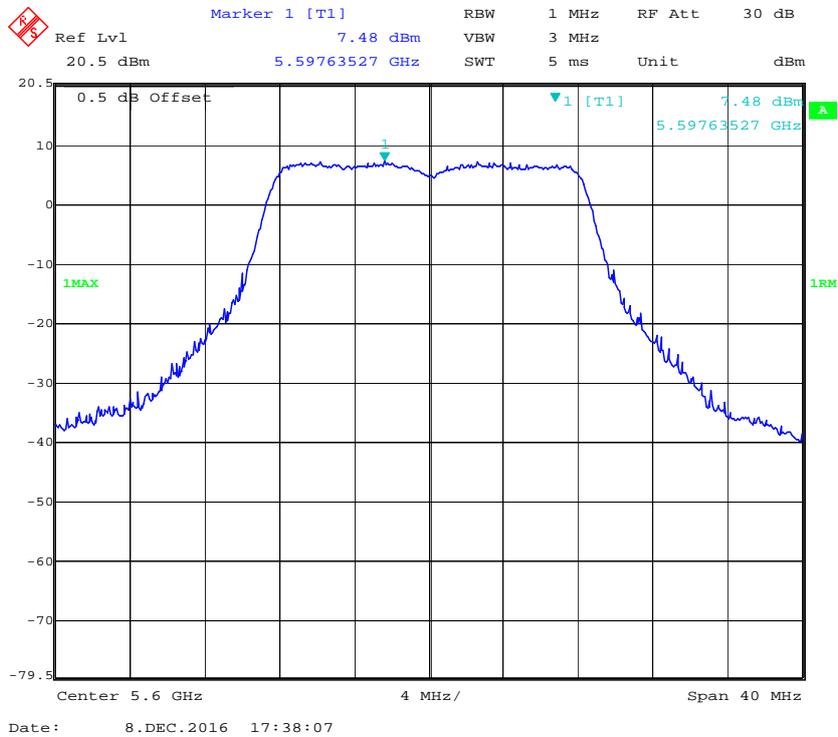


2TX(Chain0+ Chain1):

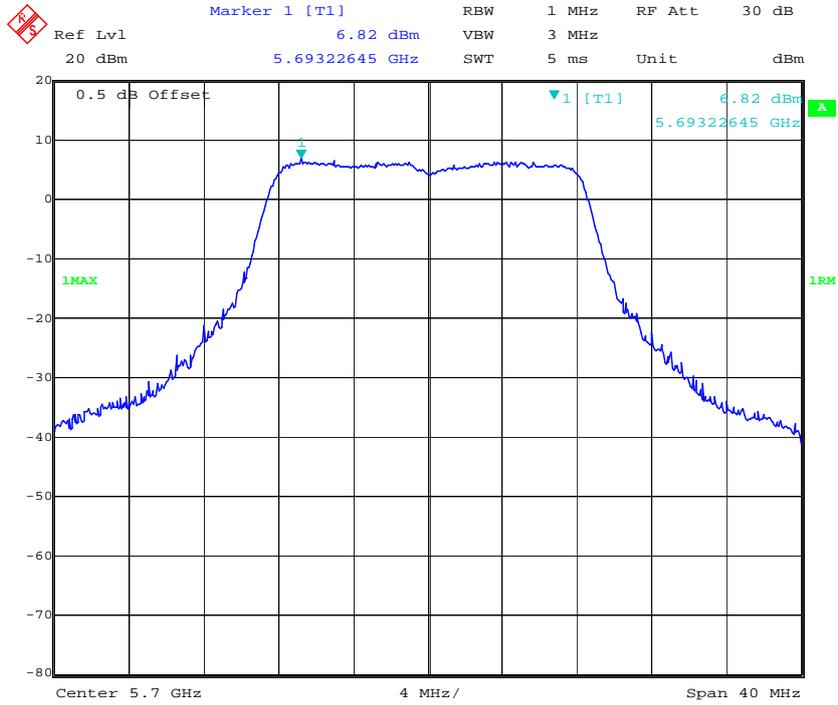
802.11a Low Channel – Chain0



802.11a Middle Channel – Chain0

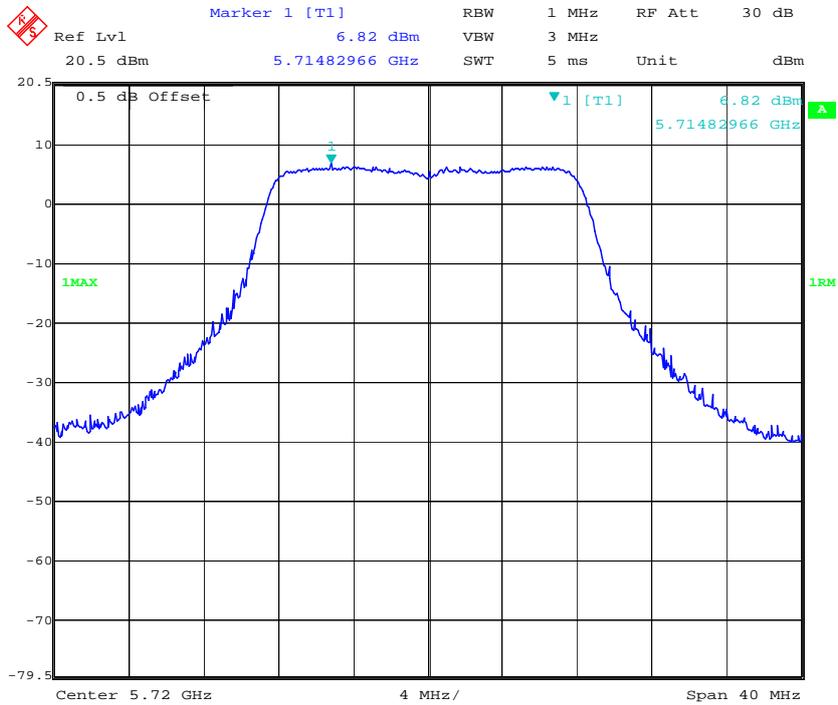


802.11a High Channel – Chain0



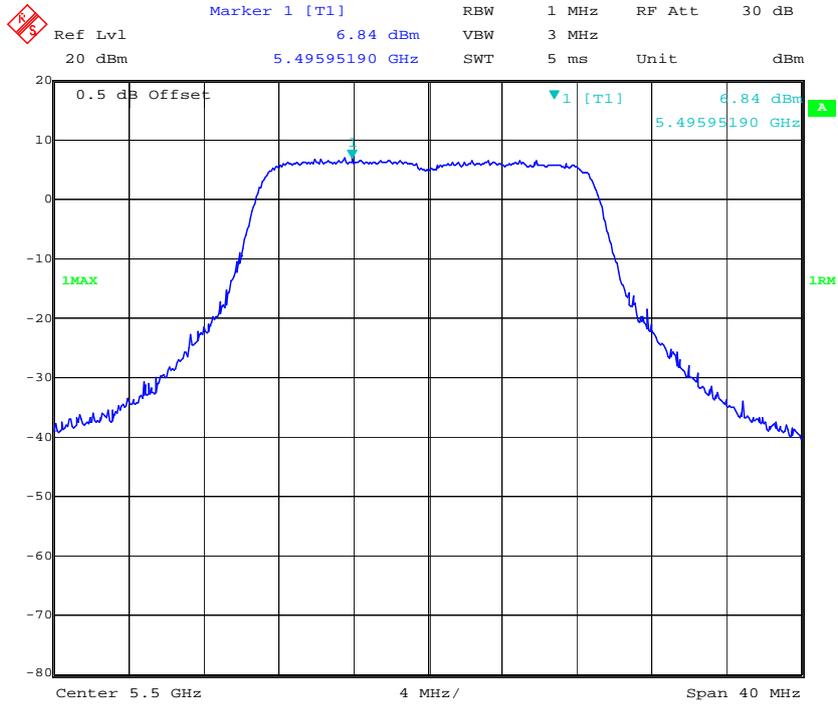
Date: 4.DEC.2016 14:34:25

802.11a Crossed Channel – Chain0



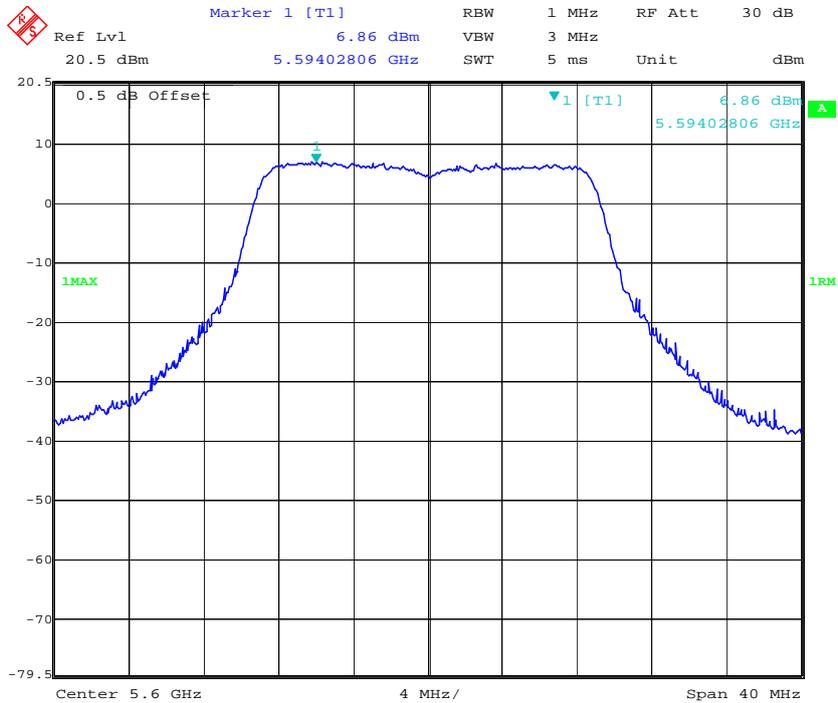
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802.11n ht20 Low Channel – Chain0



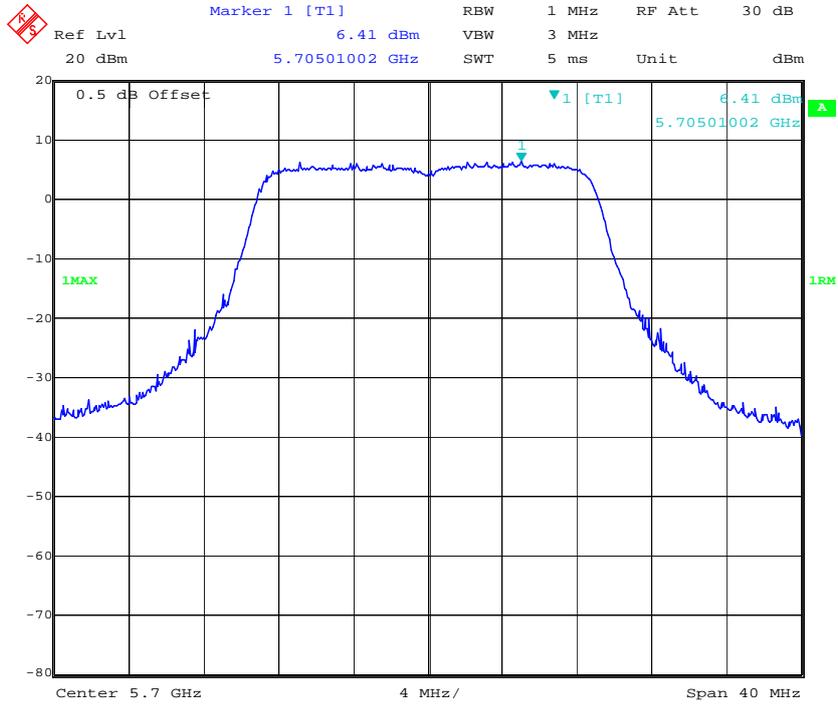
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802.11n ht20 Middle Channel – Chain0



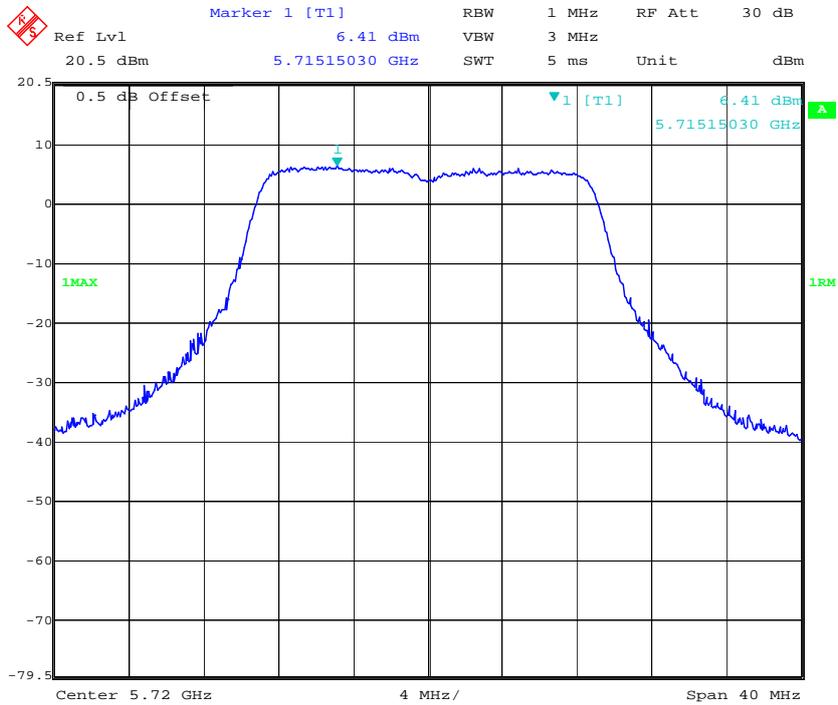
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802.11n ht20 High Channel – Chain0



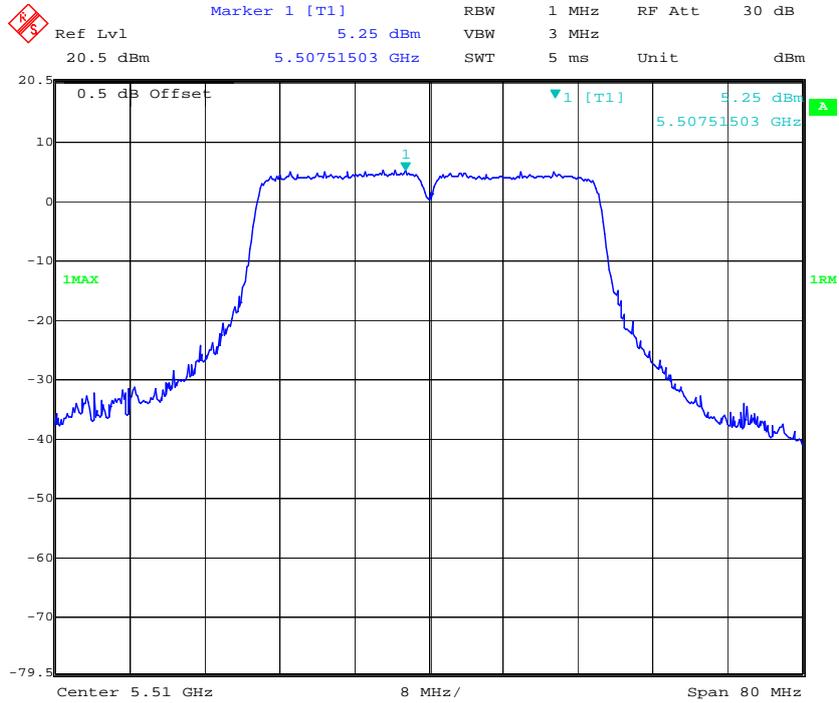
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802.11n ht20 Crossed Channel – Chain0



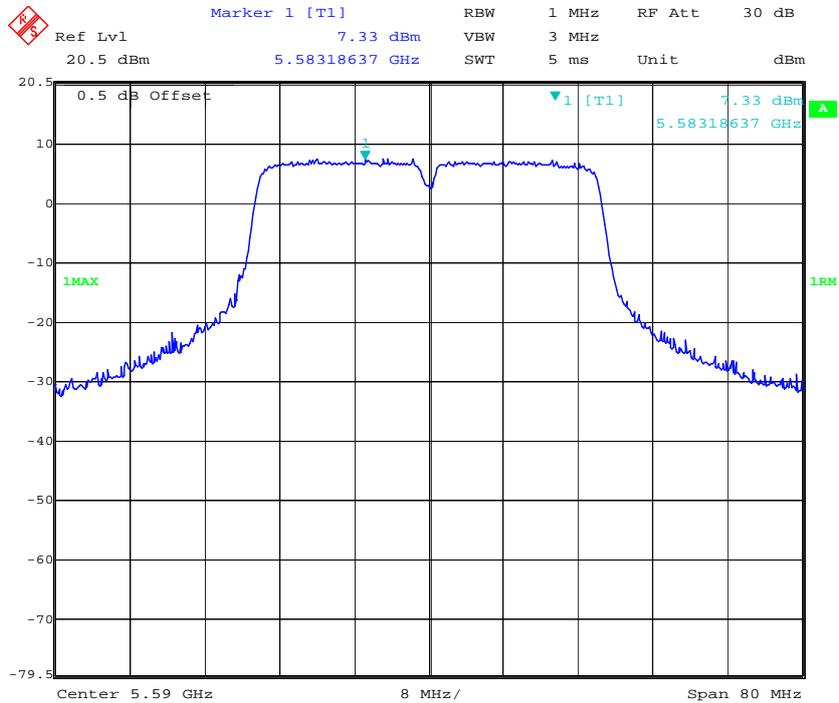
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802.11n ht40 Low Channel – Chain0



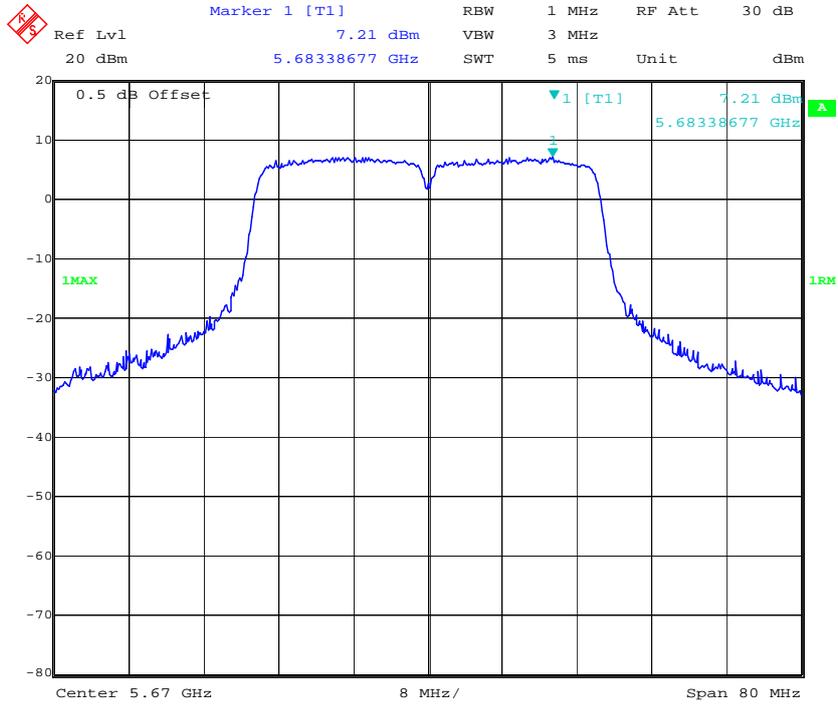
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802.11n ht40 Middle Channel – Chain0



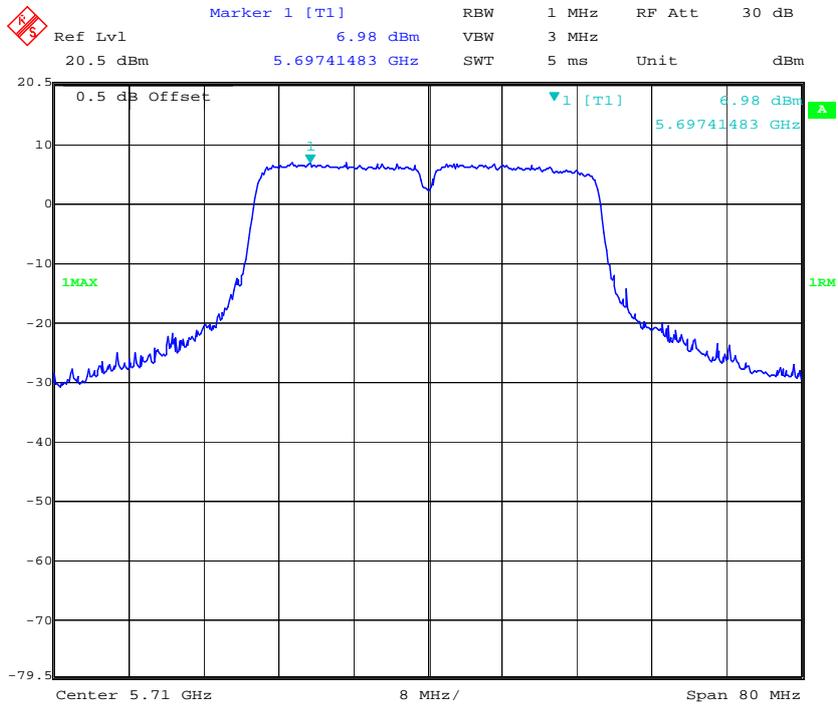
Date: 8.DEC.2016 17:50:41

802.11n ht40 High Channel – Chain0



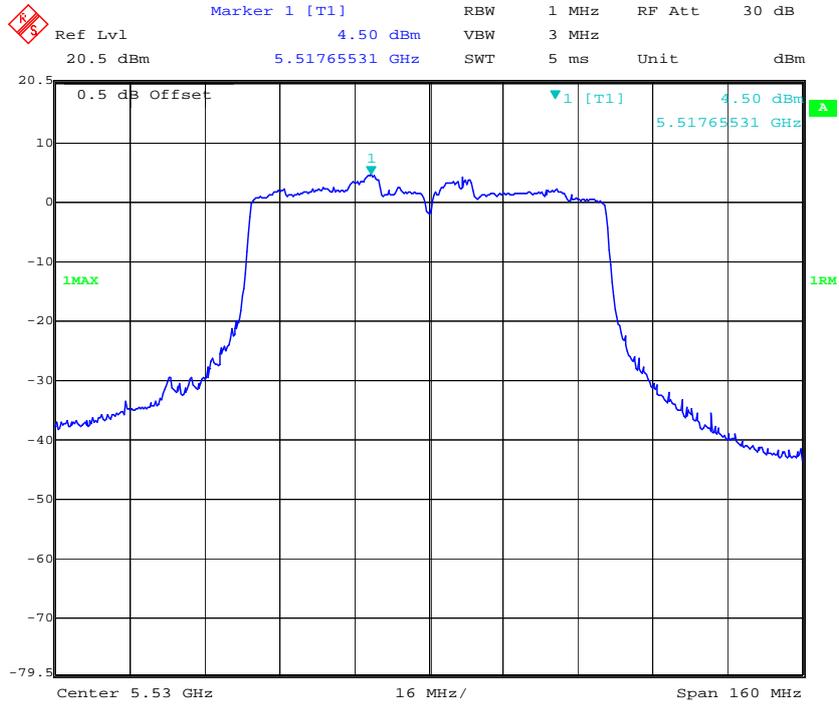
Date: 4.DEC.2016 14:37:35

802.11n ht40 Crossed Channel – Chain0



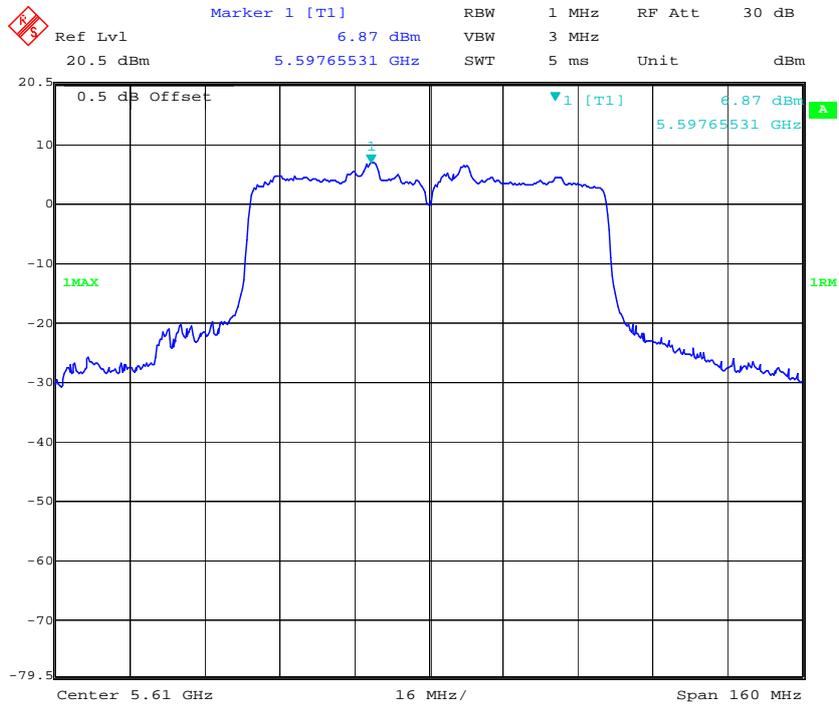
Date: 8.DEC.2016 17:40:13

802.11 ac80 Low Channel – Chain0



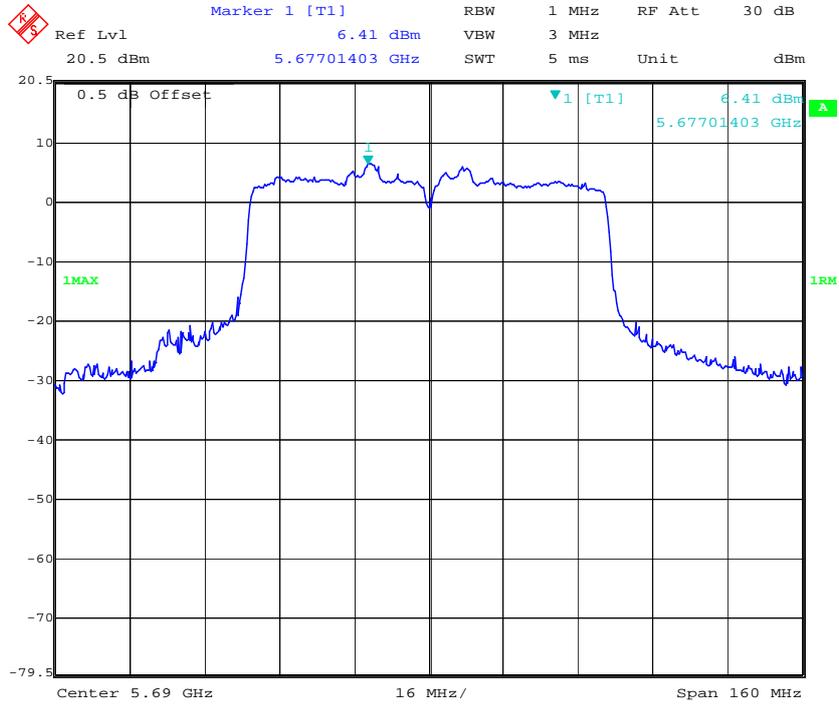
Date: 11.DEC.2016 11:46:15

802.11 ac80 Middle Channel – Chain0



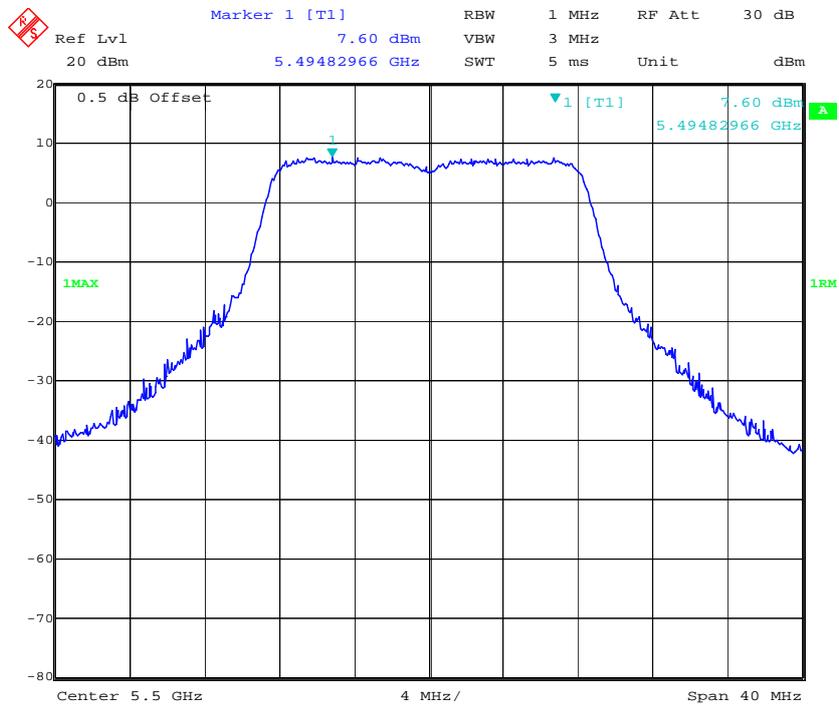
Date: 11.DEC.2016 11:46:57

802.11 ac80 High Channel – Chain0



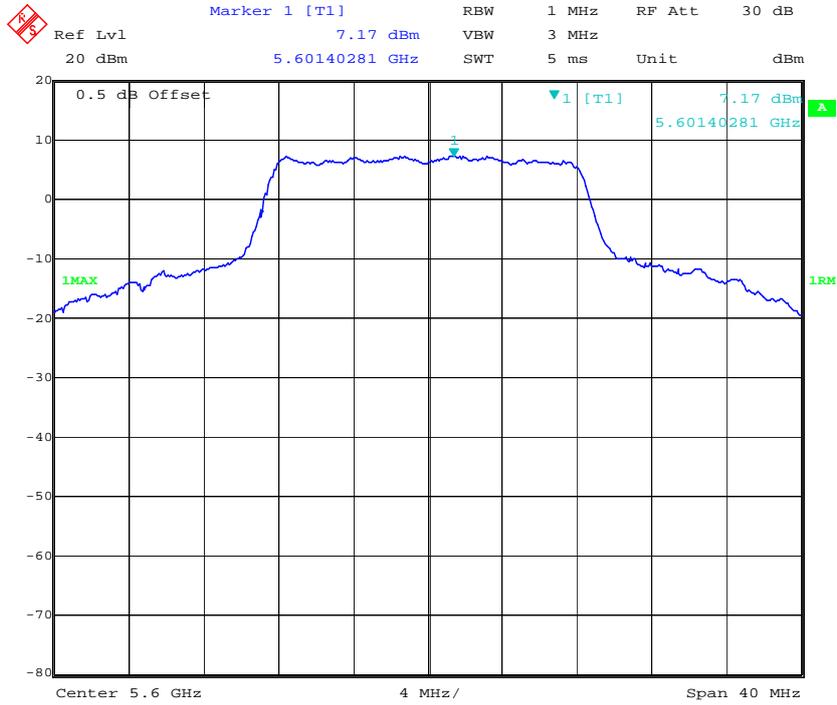
Date: 11.DEC.2016 11:47:23

802.11a Low Channel – Chain1

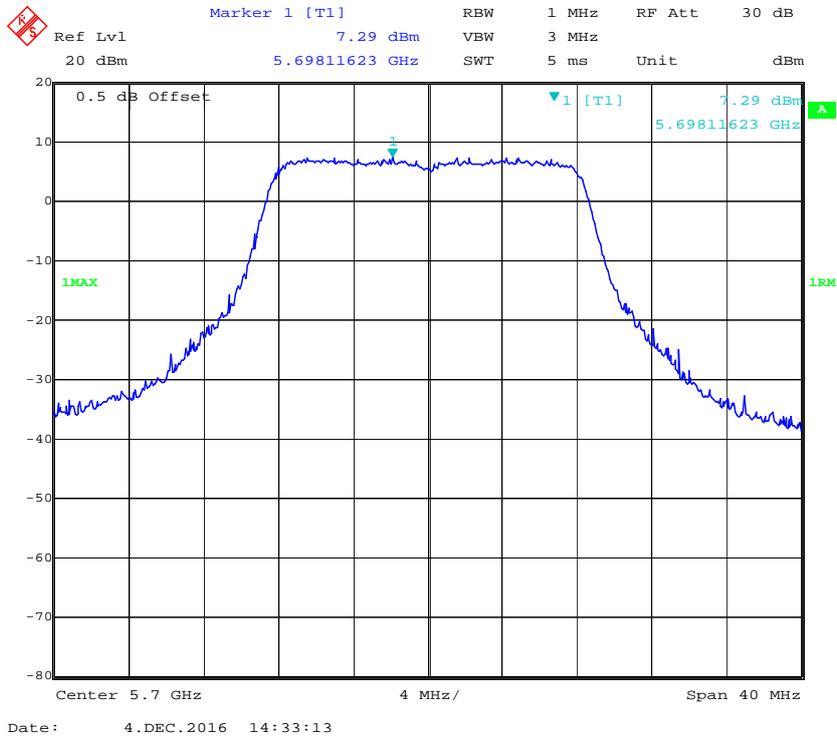


Date: 4.DEC.2016 14:32:39

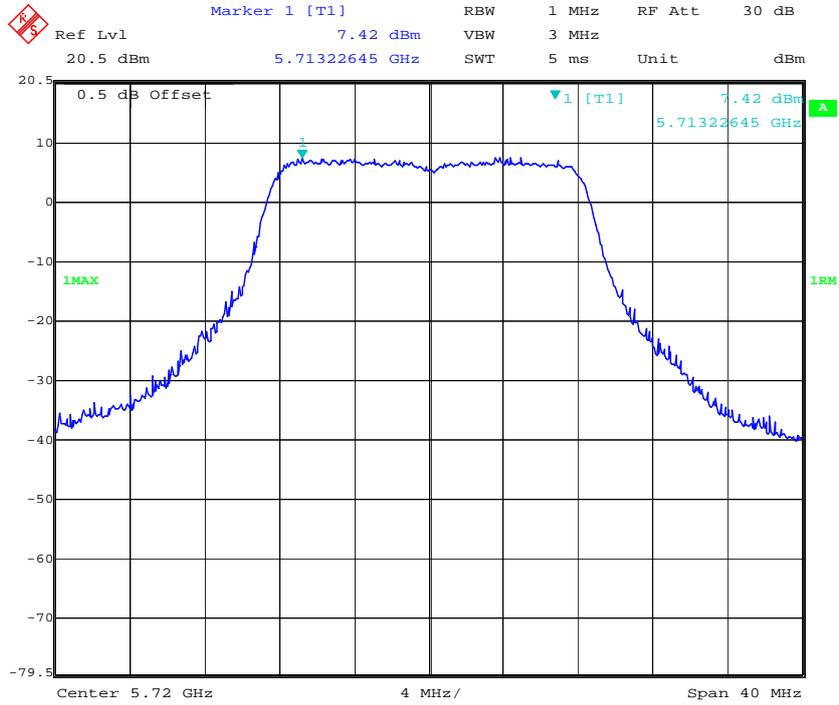
802.11a Middle Channel – Chain1



802.11a High Channel – Chain1

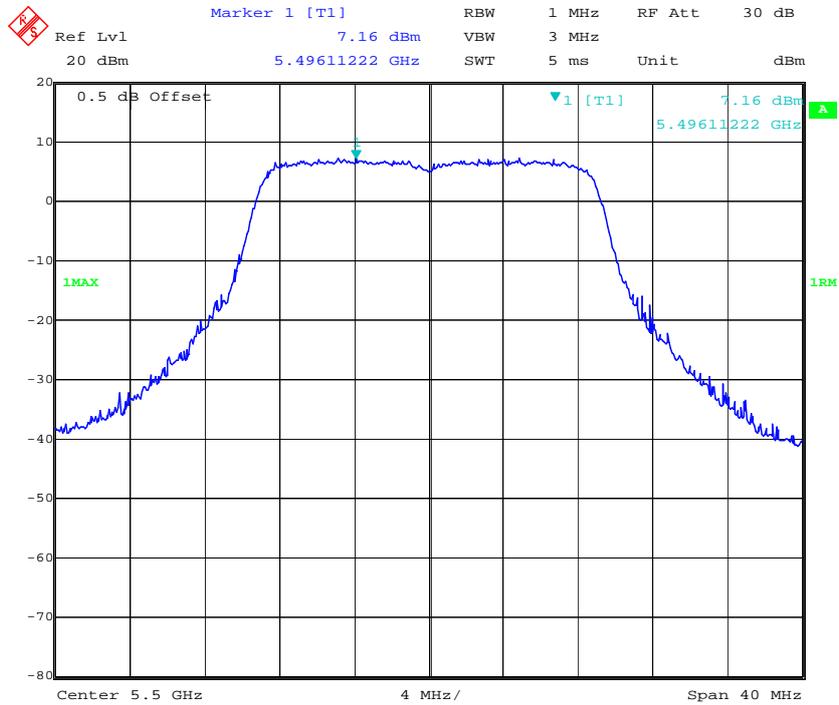


802.11a Crossed Channel – Chain1



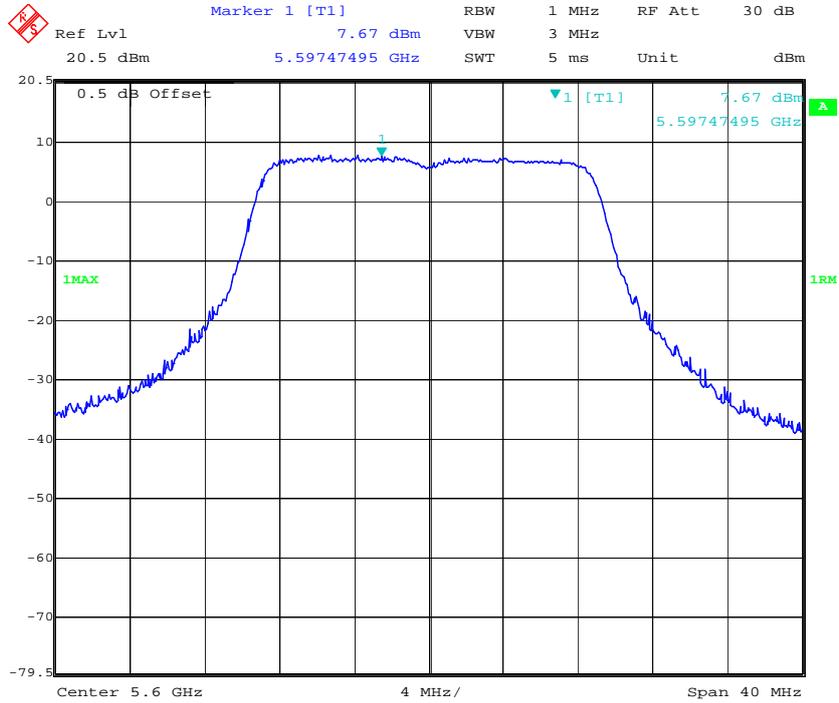
Date: 8.DEC.2016 17:42:15

802.11n ht20 Low Channel – Chain1

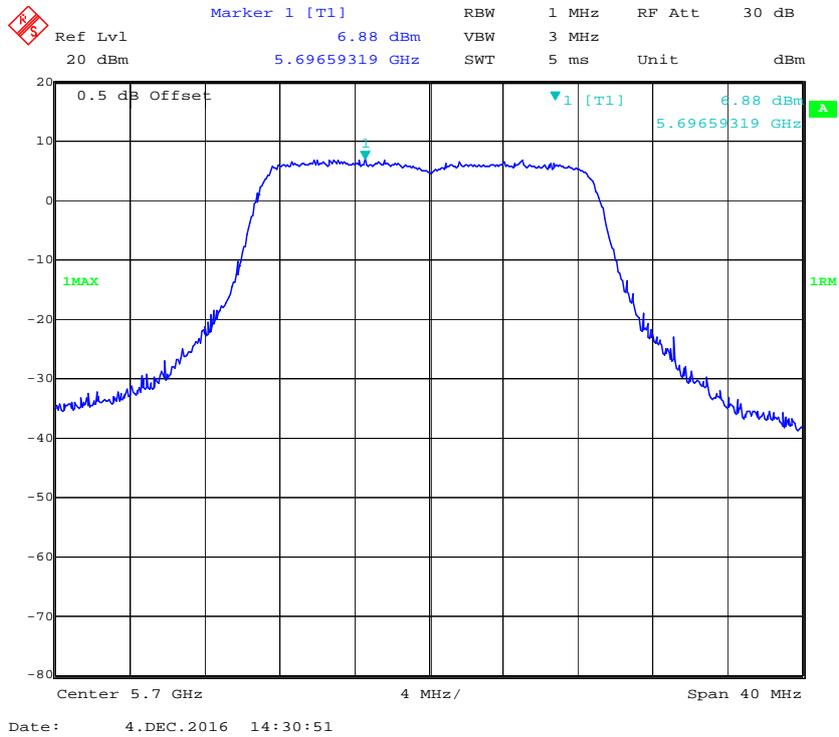


Date: 4.DEC.2016 14:31:15

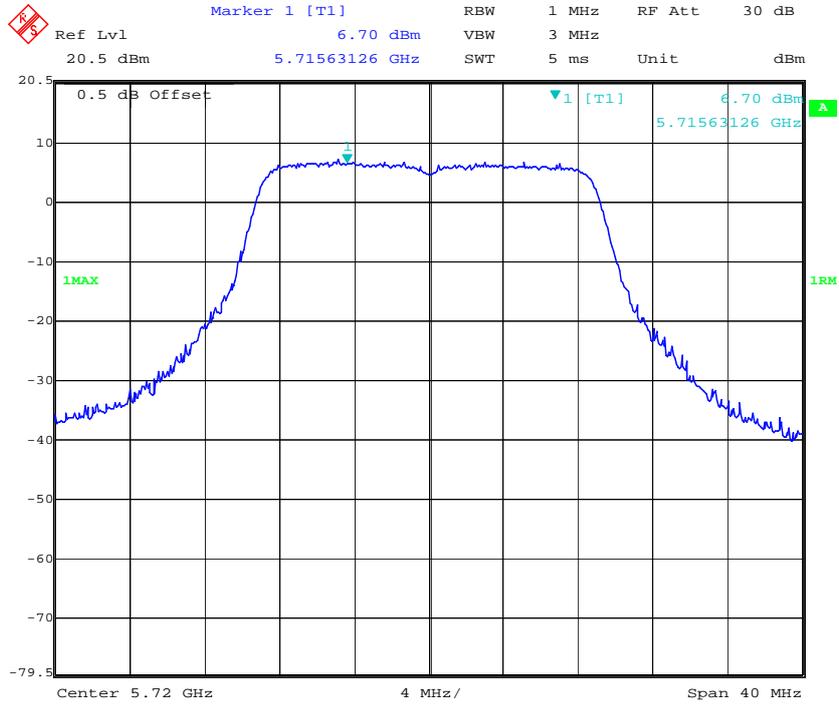
802.11n ht20 Middle Channel – Chain1



802.11n ht20 High Channel – Chain1

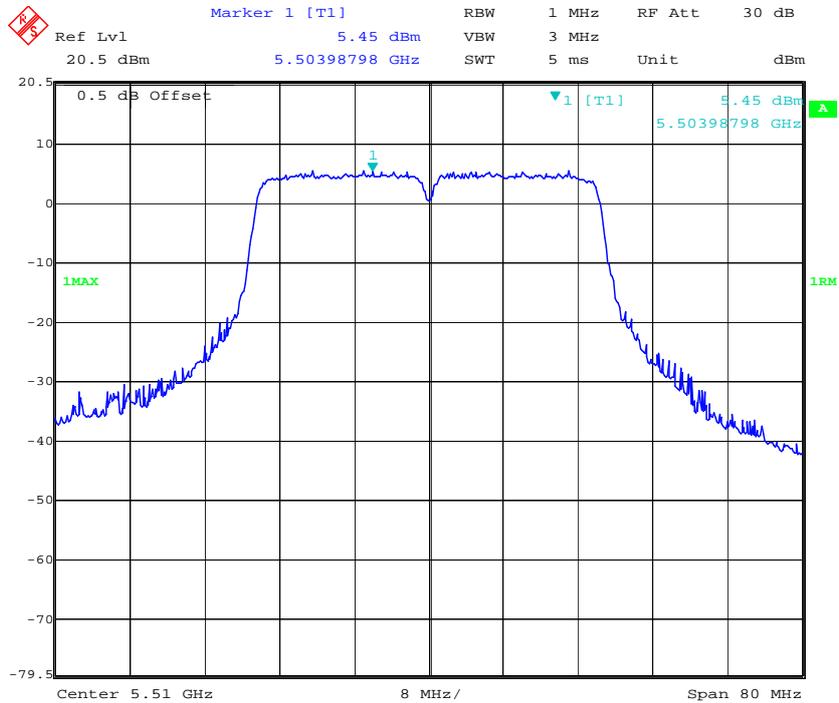


802.11n ht20 Crossed Channel – Chain1



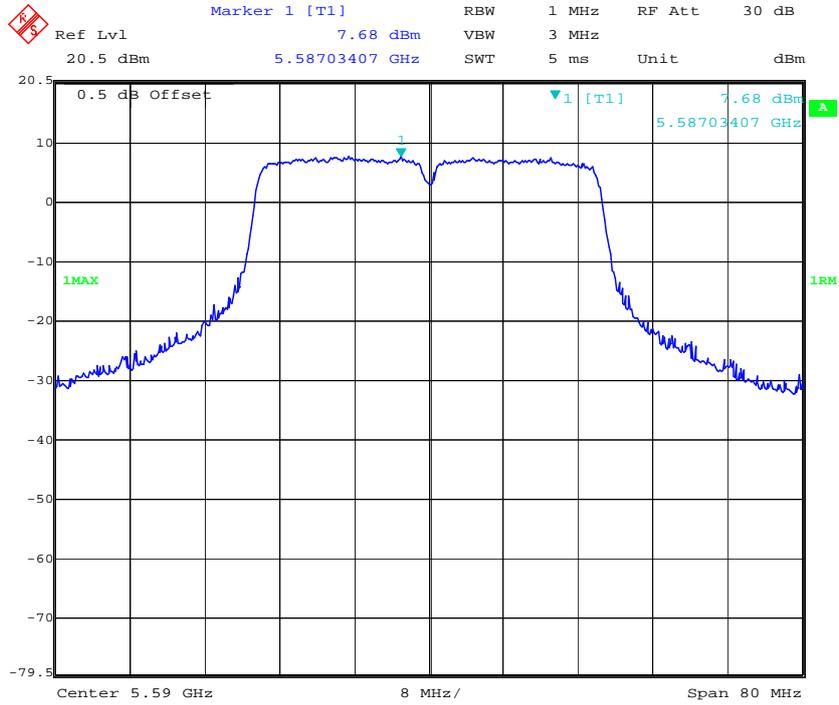
Date: 8.DEC.2016 17:41:47

802.11n ht40 Low Channel – Chain1



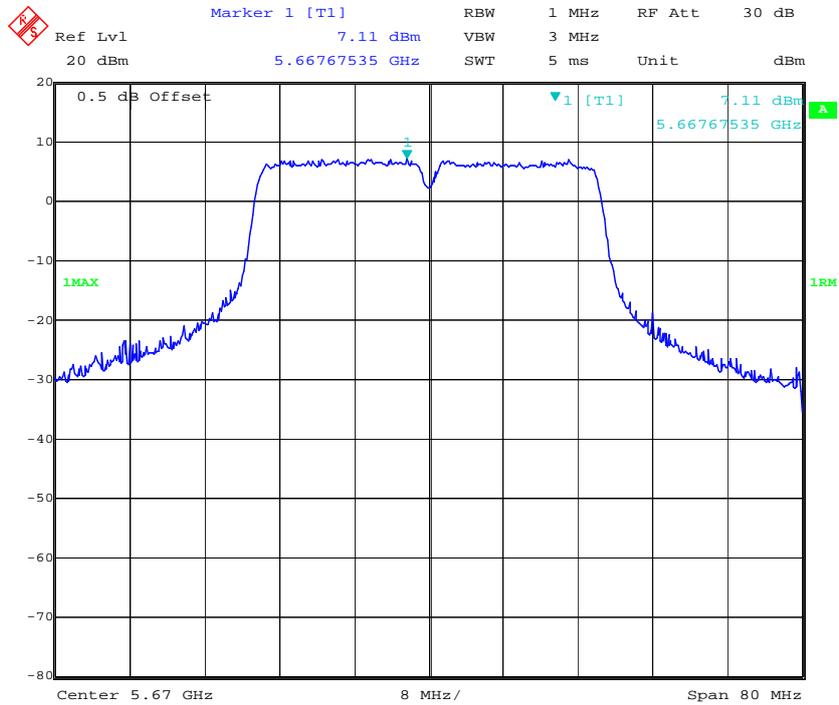
Date: 8.DEC.2016 14:37:46

802.11n ht40 Middle Channel – Chain1



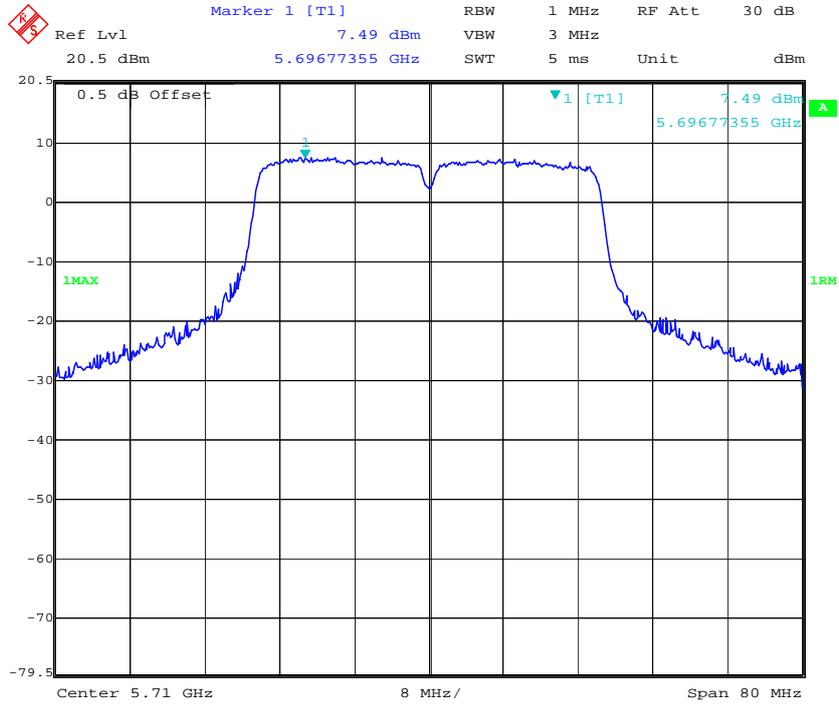
Date: 8.DEC.2016 17:53:21

802.11n ht40 High Channel – Chain1



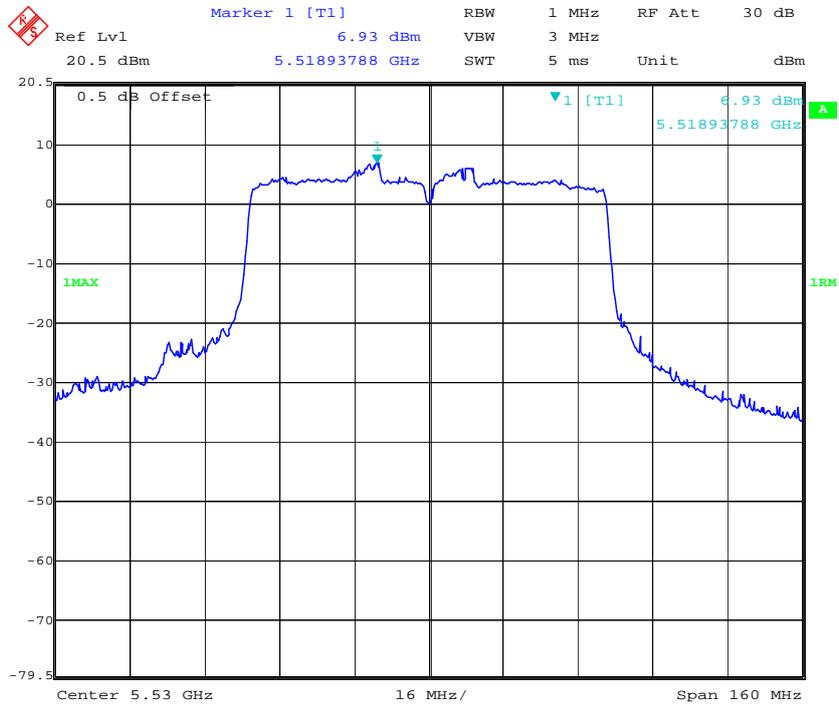
Date: 4.DEC.2016 14:29:44

802.11n ht40 Crossed Channel – Chain1



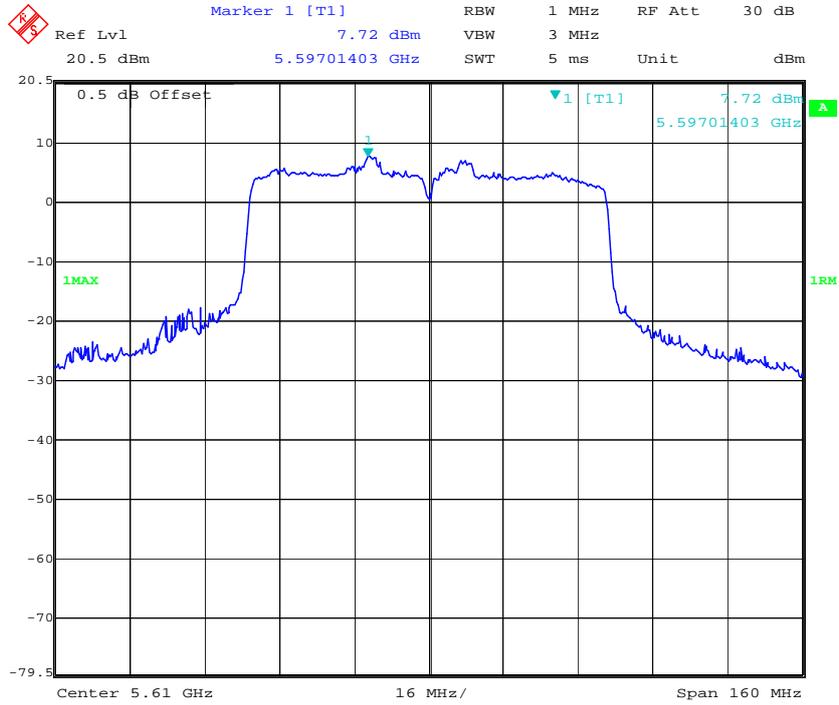
Date: 8.DEC.2016 17:40:37

802.11 ac80 Low Channel – Chain1

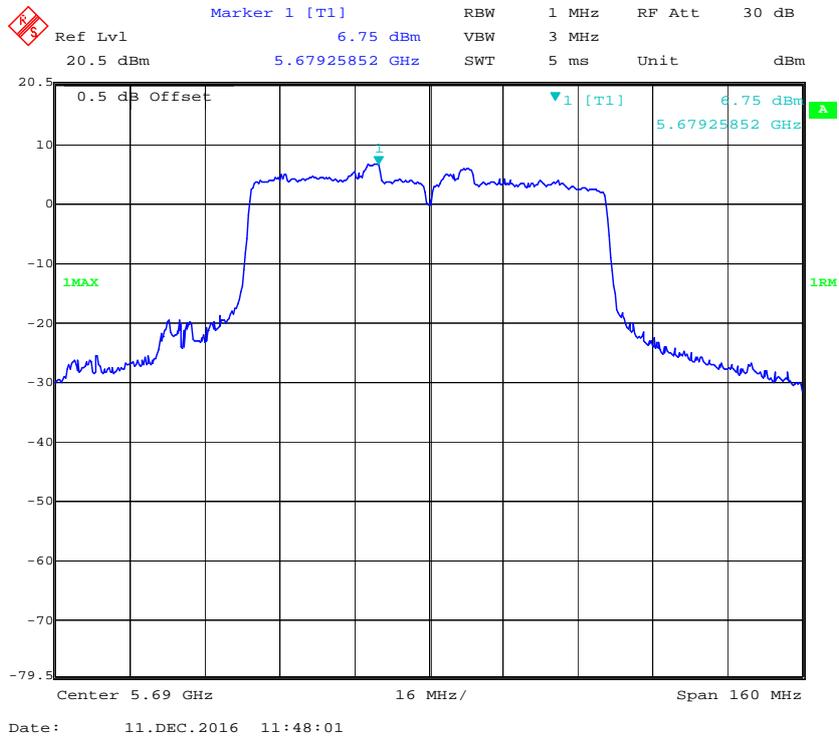


Date: 11.DEC.2016 11:49:06

802.11 ac80 Middle Channel – Chain1

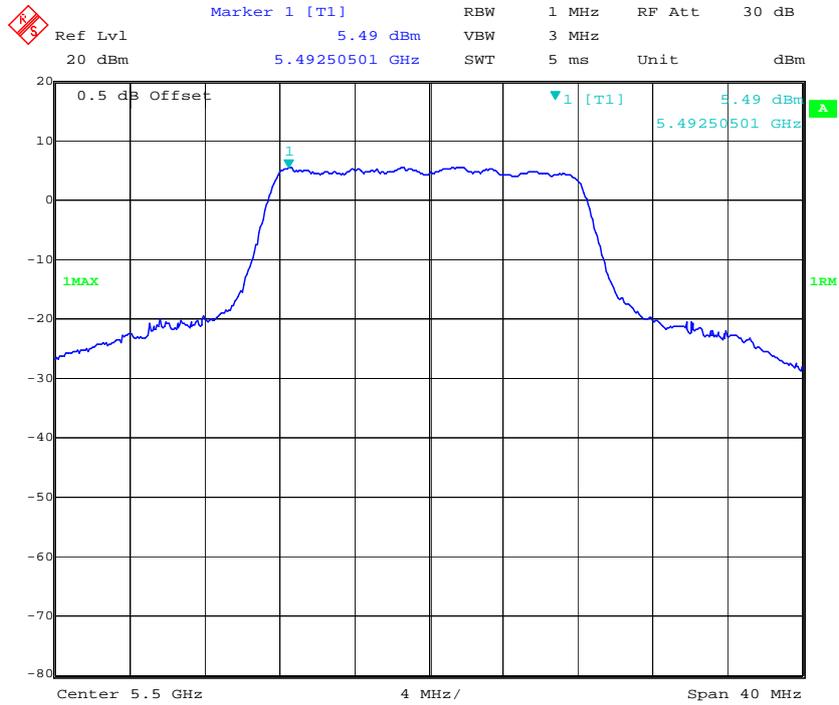


802.11 ac80 High Channel – Chain1

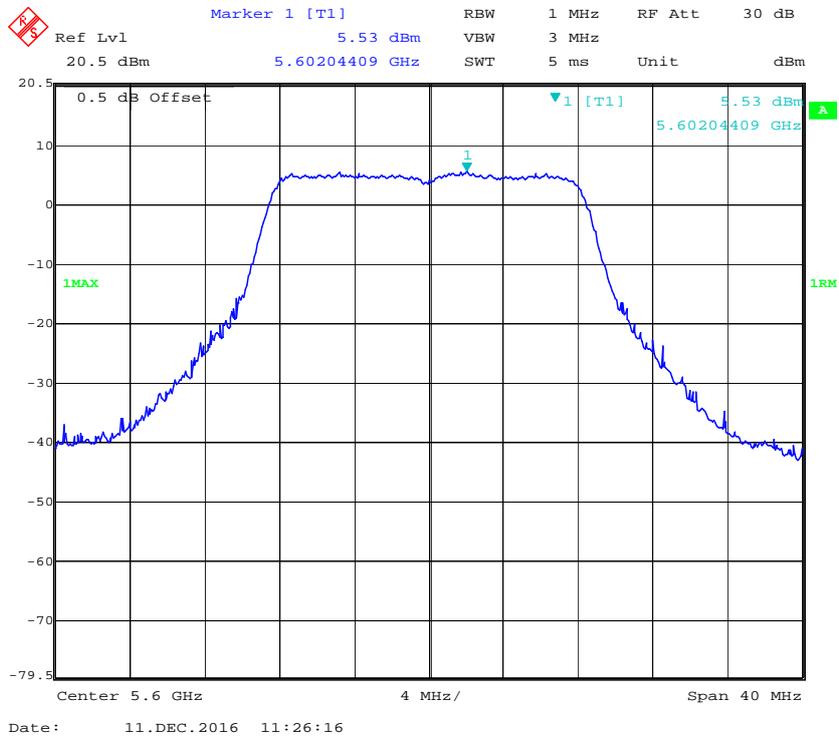


3TX(Chain0+ Chain1+ Chain2):

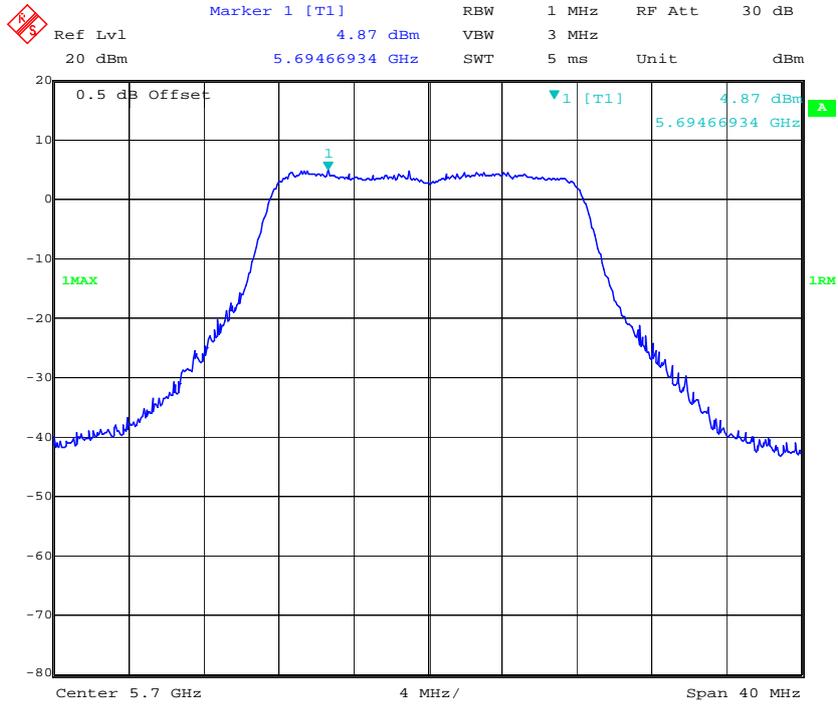
802.11a Low Channel – Chain0



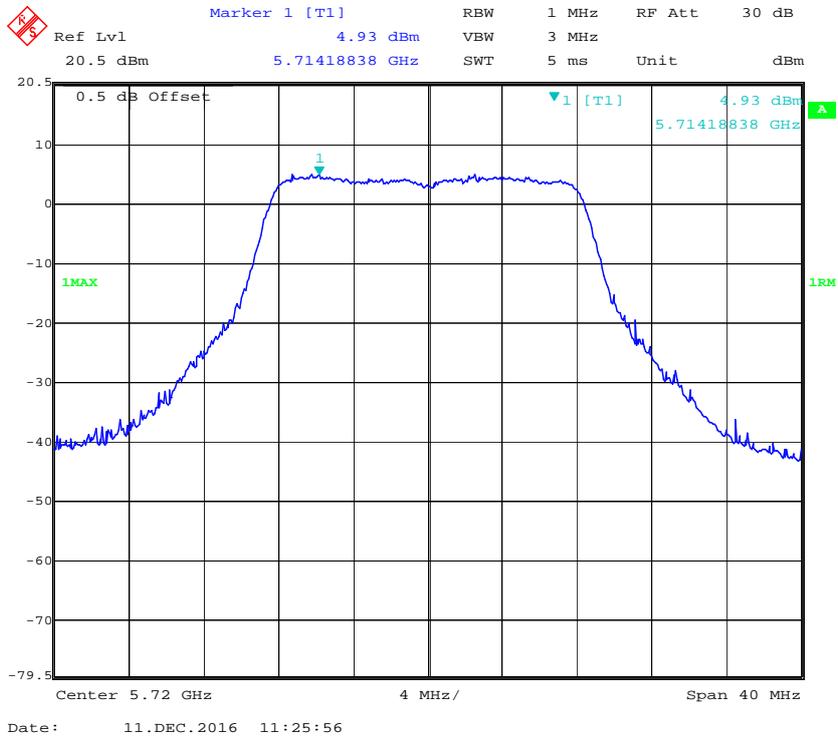
802.11a Middle Channel – Chain0



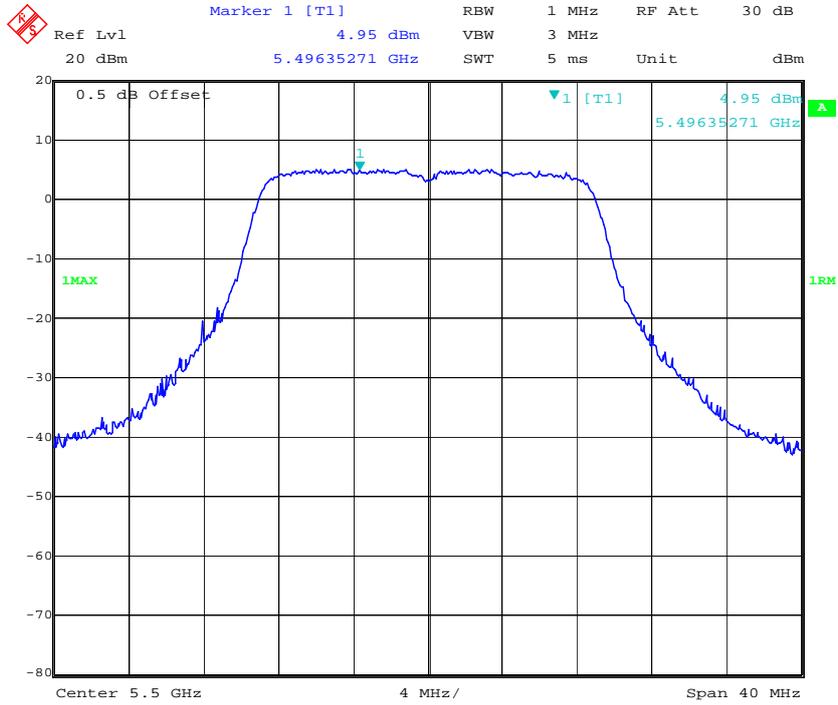
802.11a High Channel – Chain0



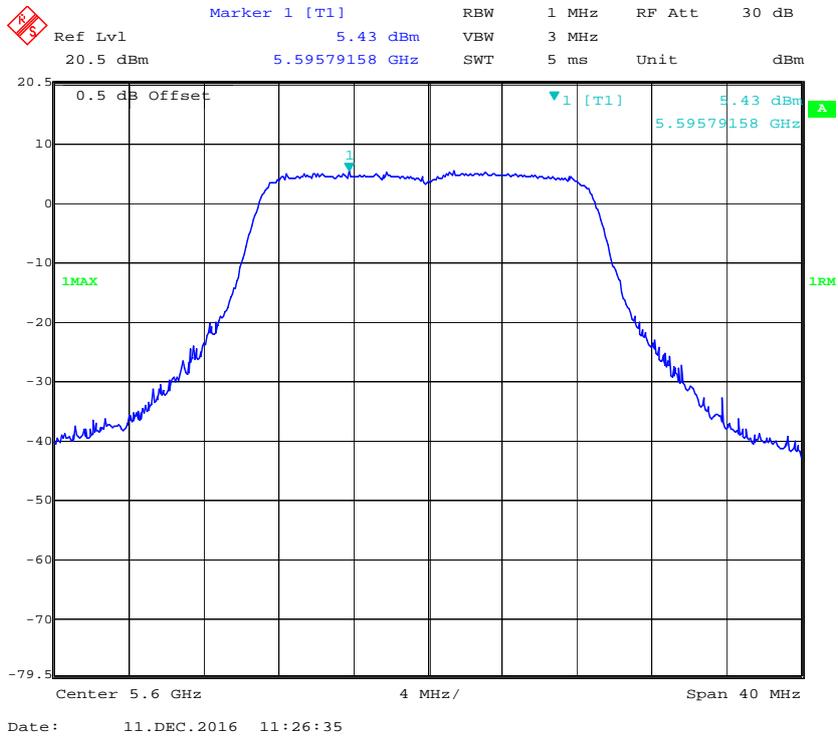
802.11a Crossed Channel – Chain0



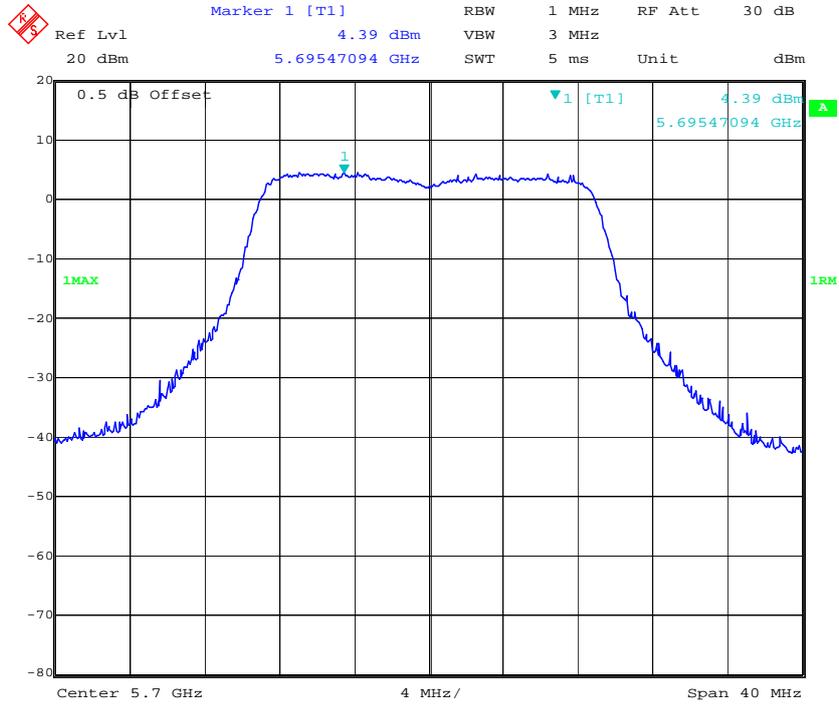
802.11n ht20 Low Channel – Chain0



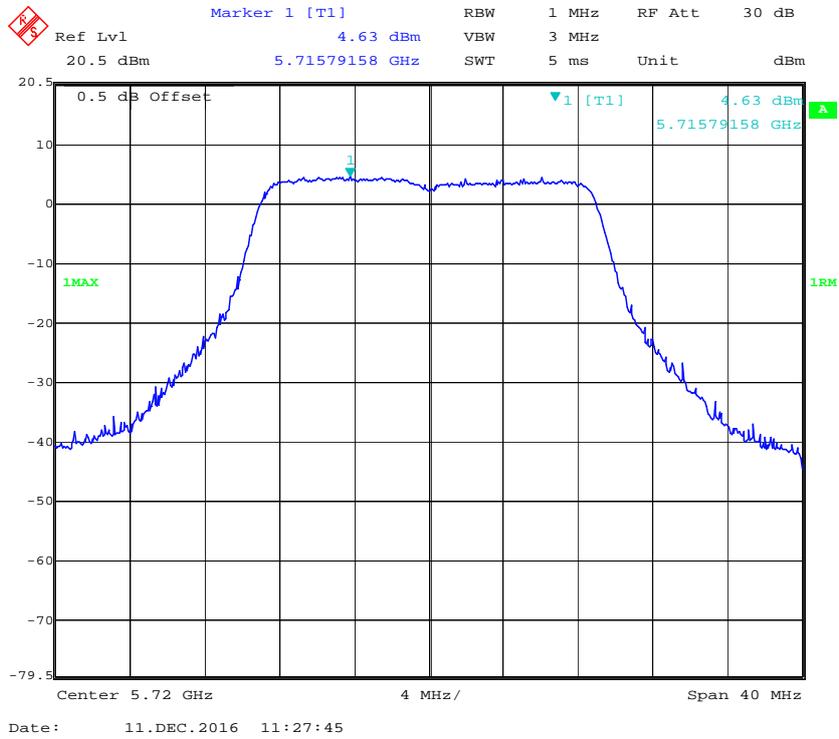
802.11n ht20 Middle Channel – Chain0



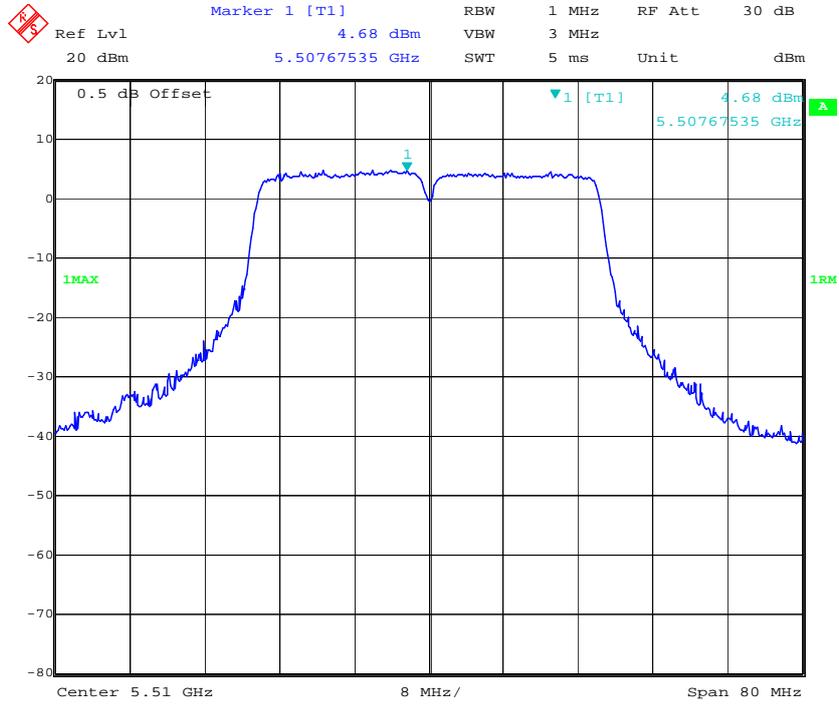
802.11n ht20 High Channel – Chain0



802.11n ht20 Crossed Channel – Chain0

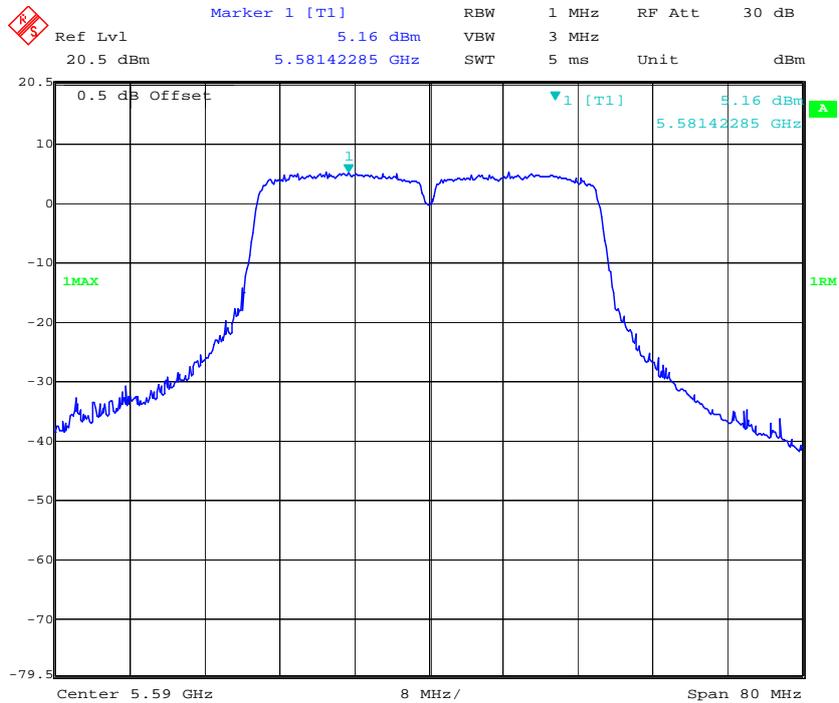


802.11n ht40 Low Channel – Chain0



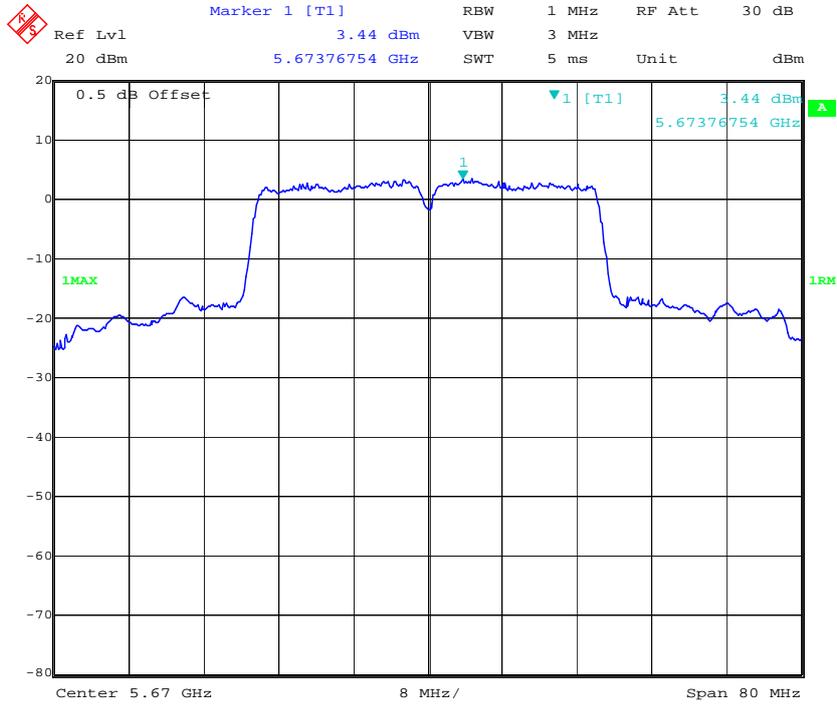
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802.11n ht40 Middle Channel – Chain0



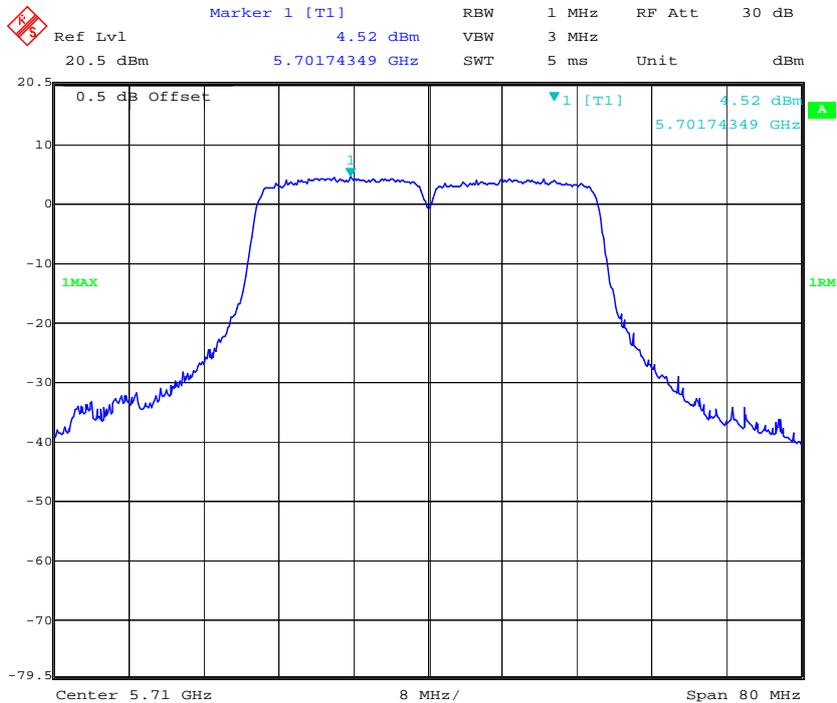
Date: 11.DEC.2016 11:28:45

802.11n ht40 High Channel – Chain0



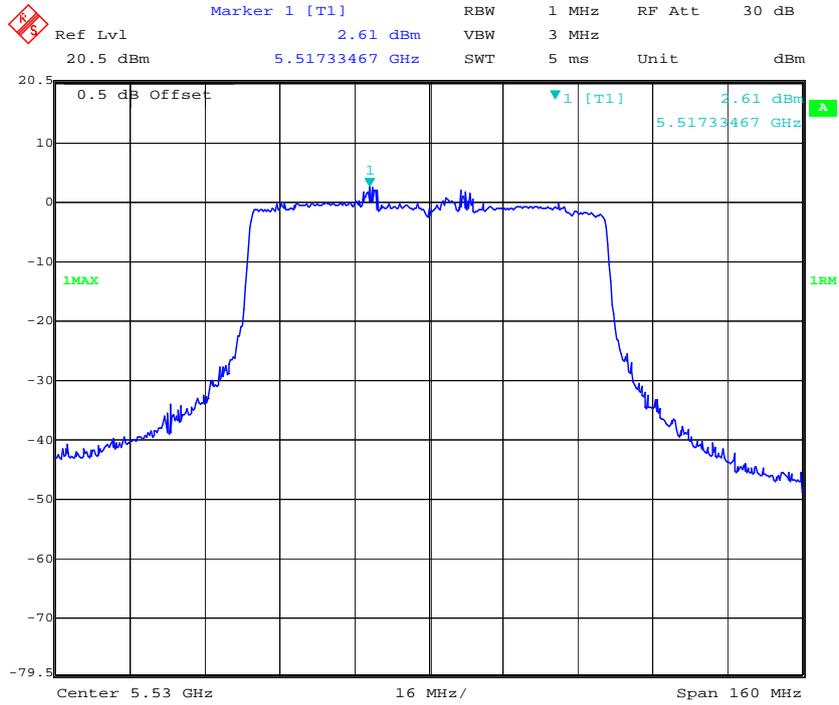
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802.11n ht40 Crossed Channel – Chain0



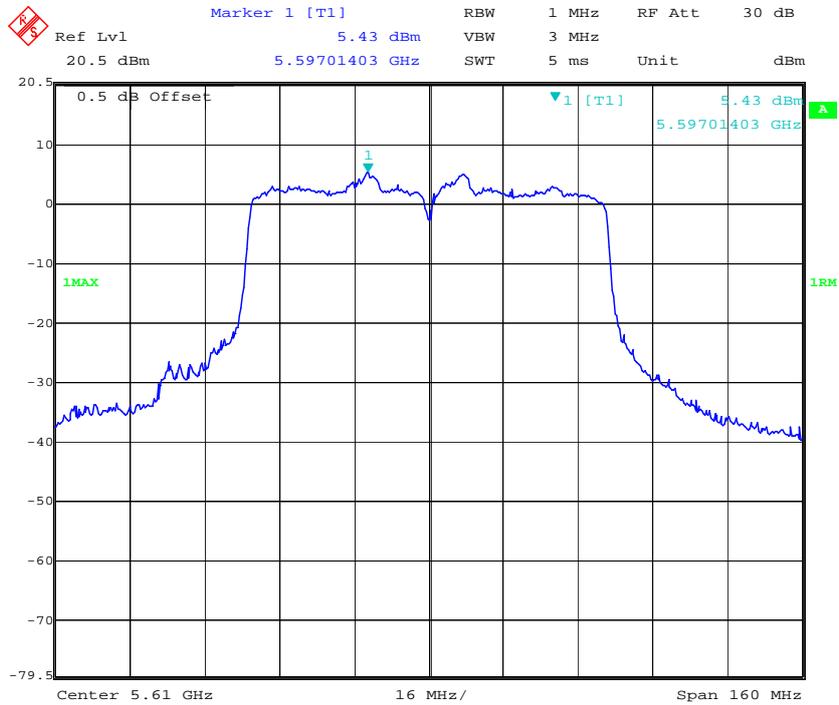
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802.11 ac80 Low Channel – Chain0



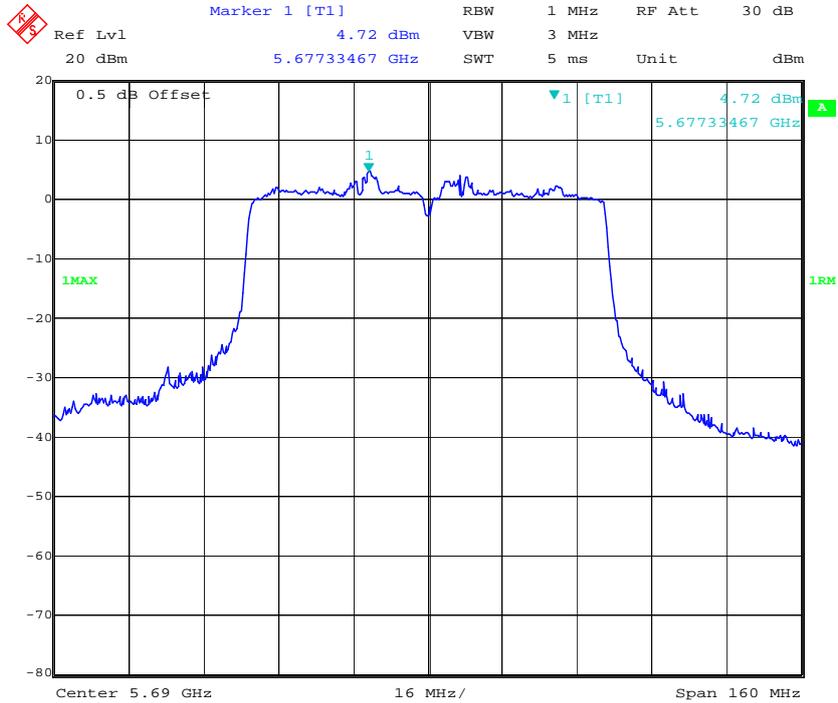
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802.11 ac80 Middle Channel – Chain0



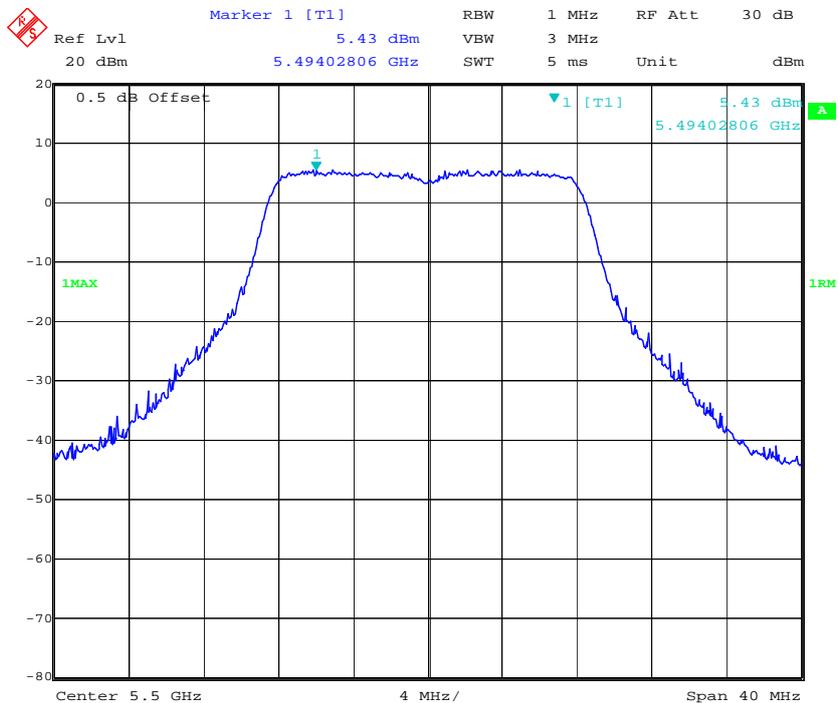
Date: 11.DEC.2016 11:29:32

802.11 ac80 High Channel – Chain0



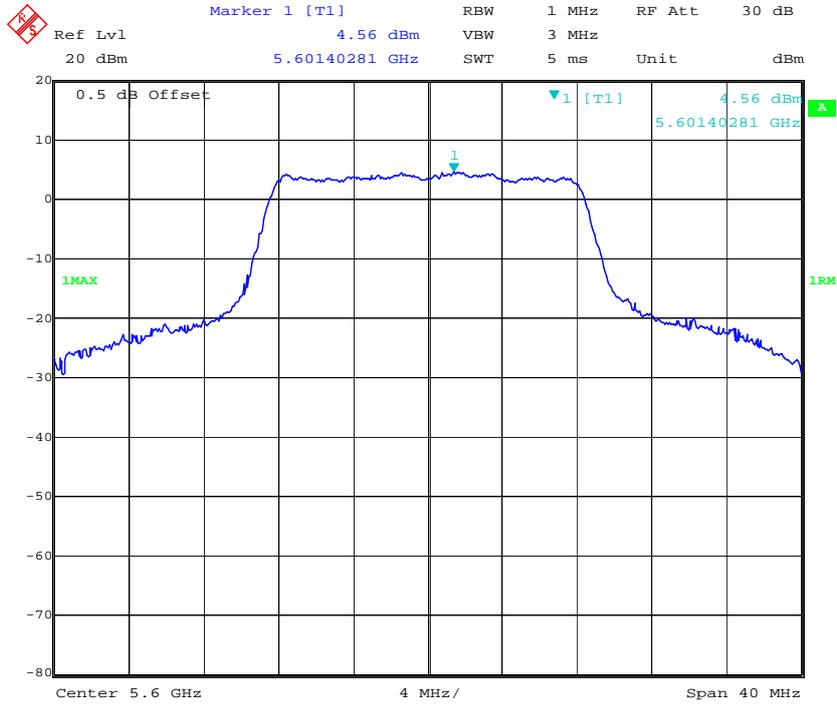
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802.11a Low Channel – Chain1

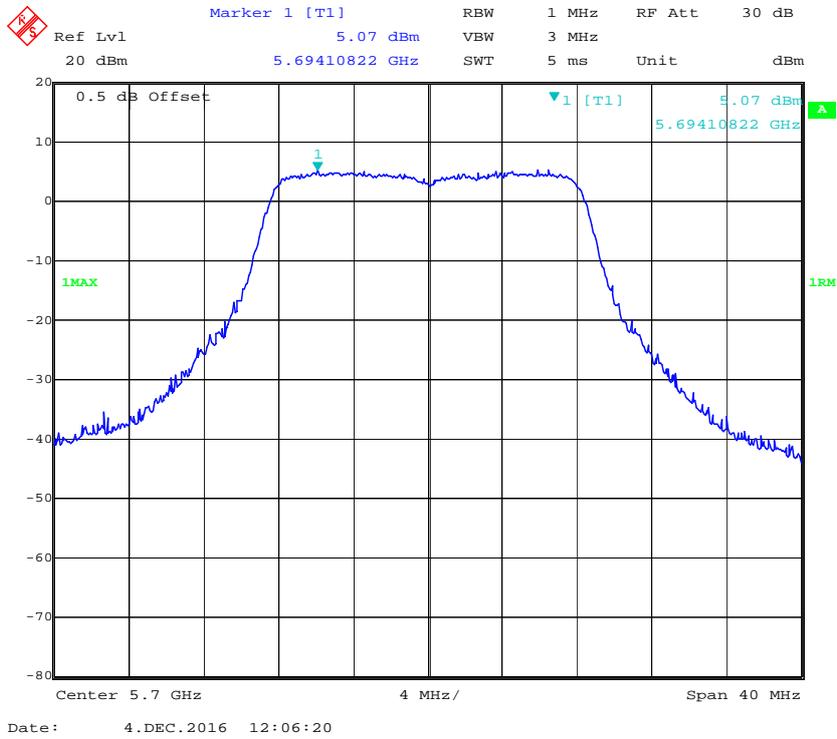


Date: 4.DEC.2016 12:06:57

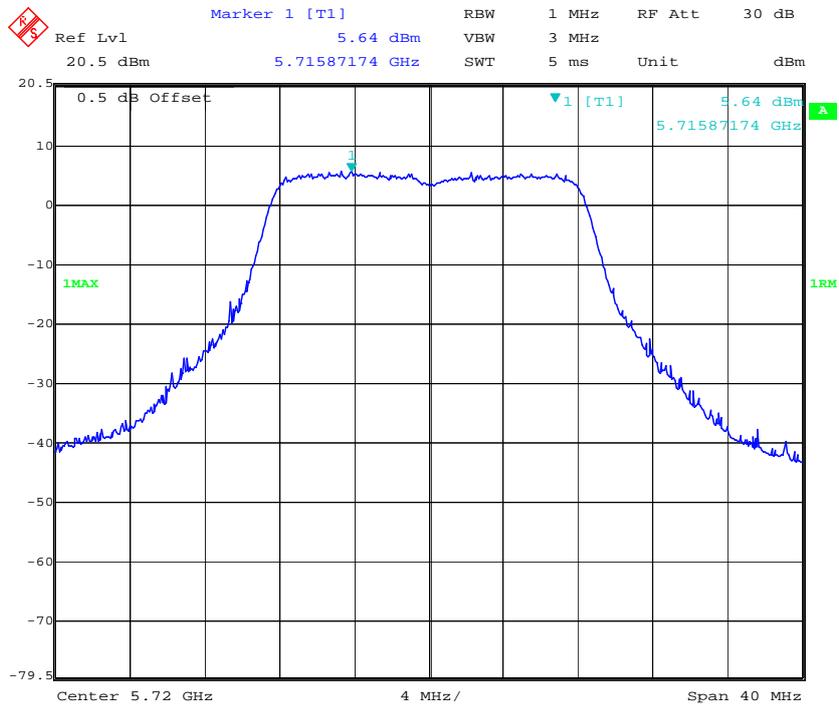
802.11a Middle Channel – Chain1



802.11a High Channel – Chain1

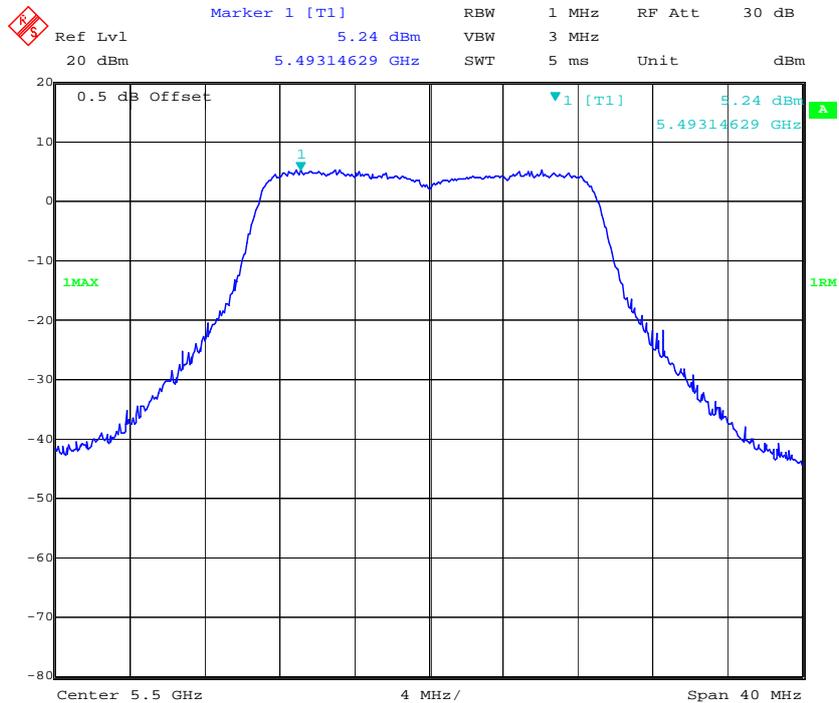


802.11a Crossed Channel – Chain1



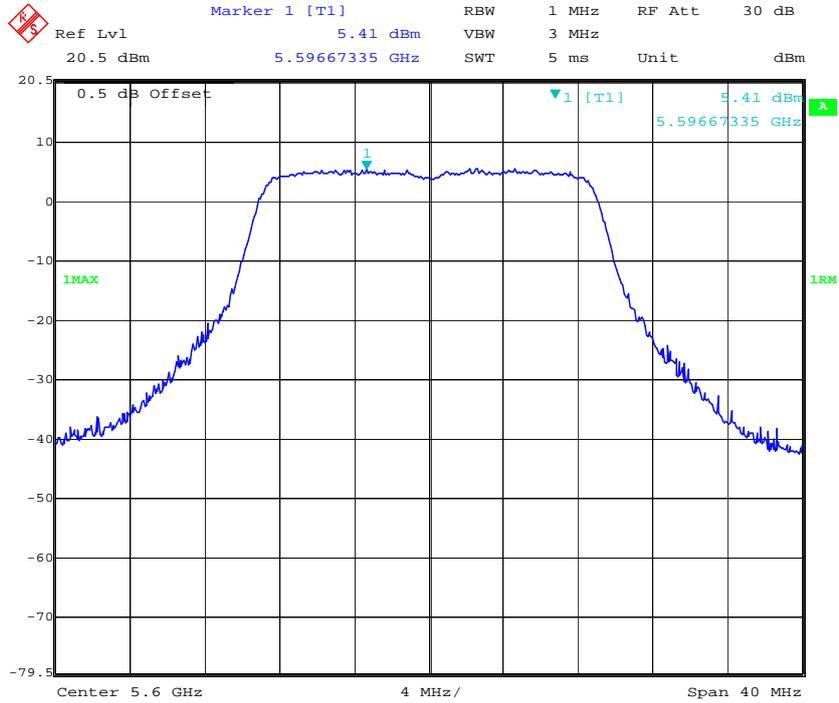
Date: 11.DEC.2016 11:18:31

802.11n ht20 Low Channel – Chain1



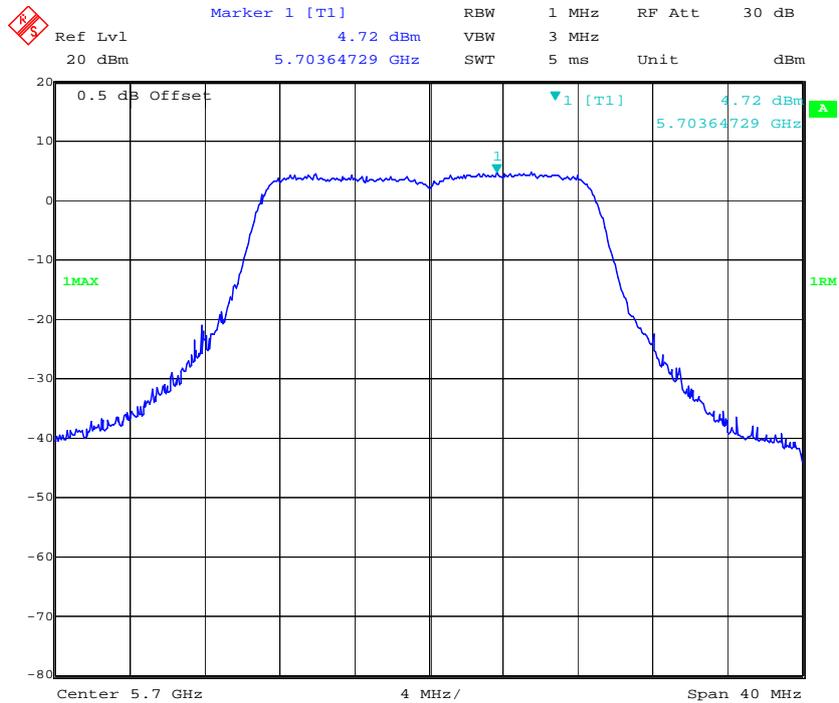
Date: 4.DEC.2016 12:07:35

802.11n ht20 Middle Channel – Chain1



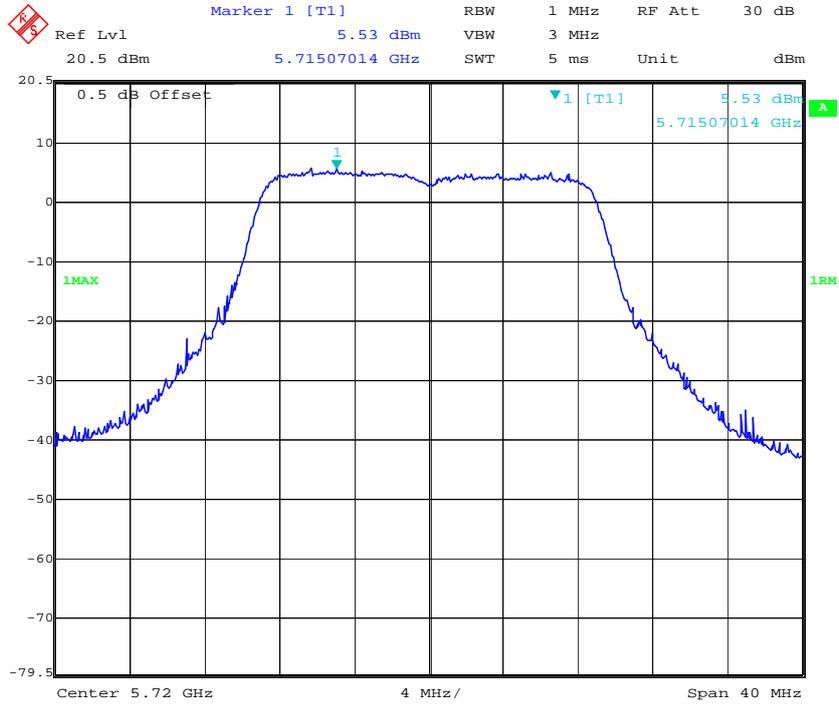
Date: 11.DEC.2016 11:19:17

802.11n ht20 High Channel – Chain1



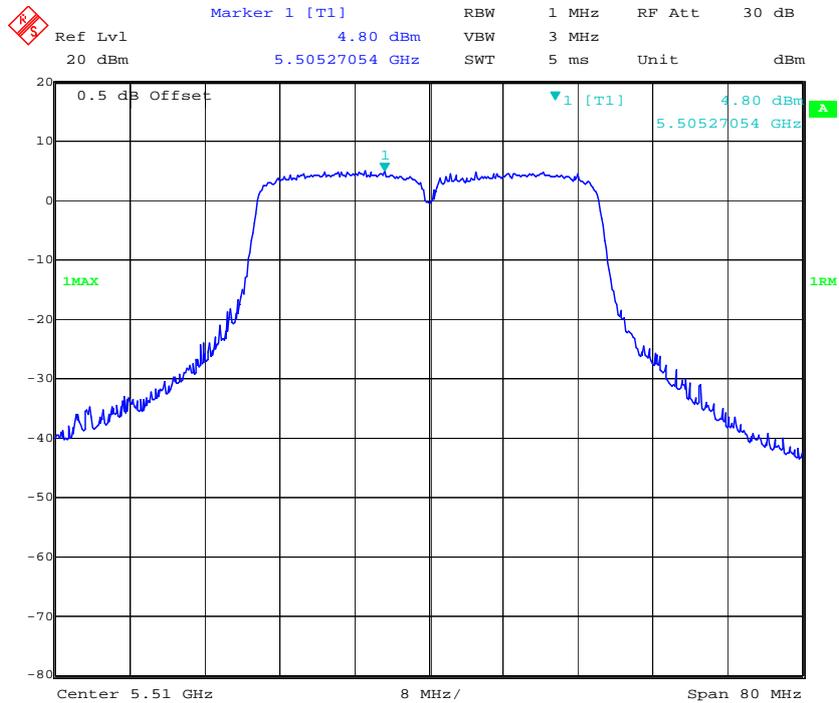
Date: 4.DEC.2016 12:08:28

802.11n ht20 Crossed Channel – Chain1



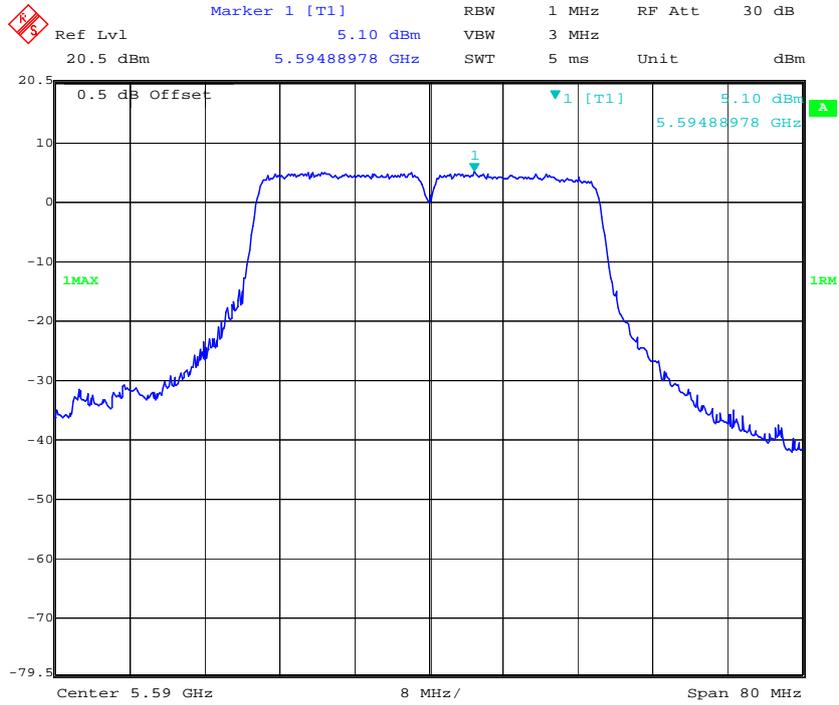
Date: 11.DEC.2016 11:18:54

802.11n ht40 Low Channel – Chain1



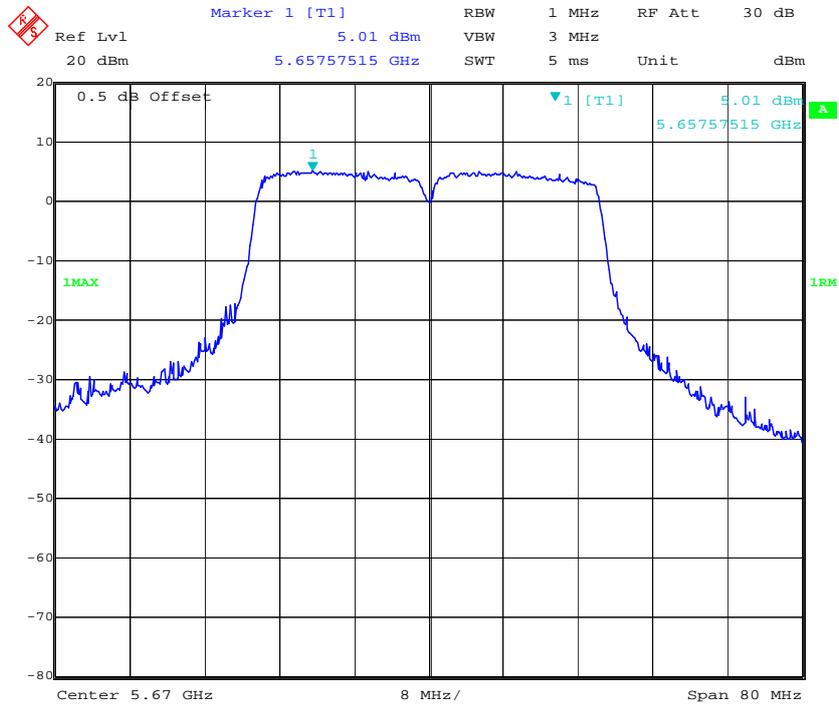
Date: 4.DEC.2016 12:09:19

802.11n ht40 Middle Channel – Chain1



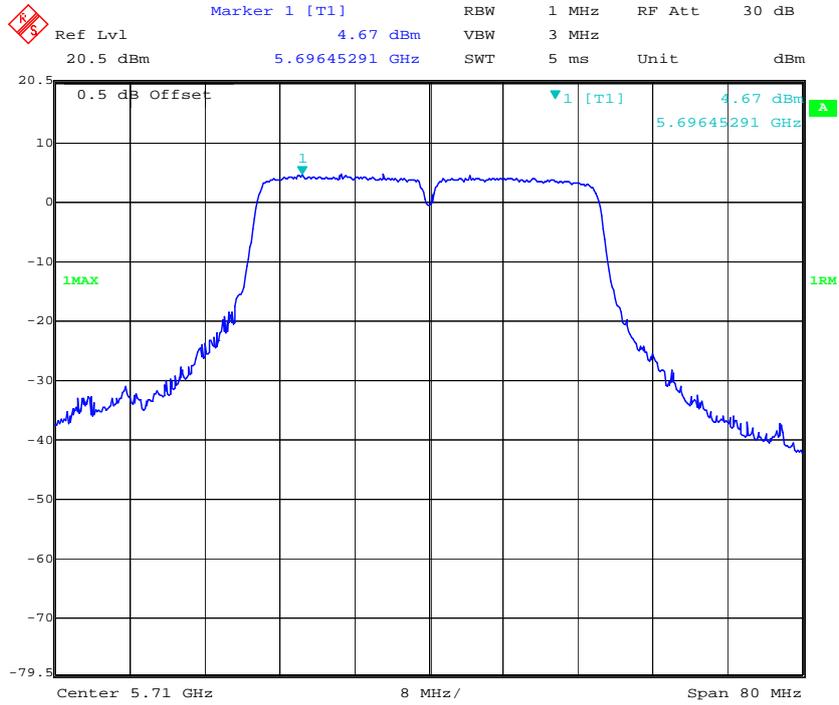
Date: 11.DEC.2016 11:19:50

802.11n ht40 High Channel – Chain1



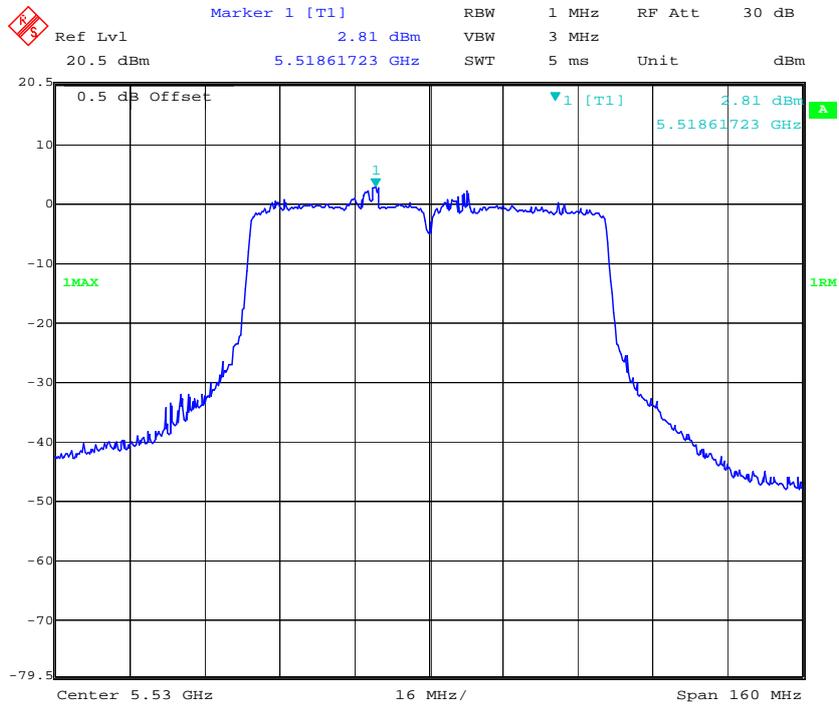
Date: 4.DEC.2016 12:08:54

802.11n ht40 Crossed Channel – Chain1



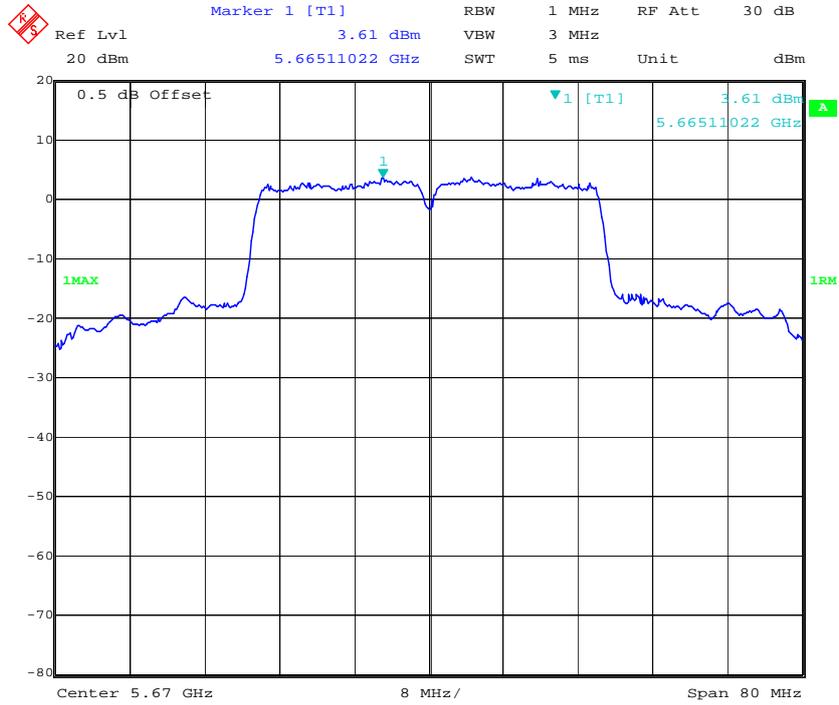
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802.11 ac80 Low Channel – Chain1



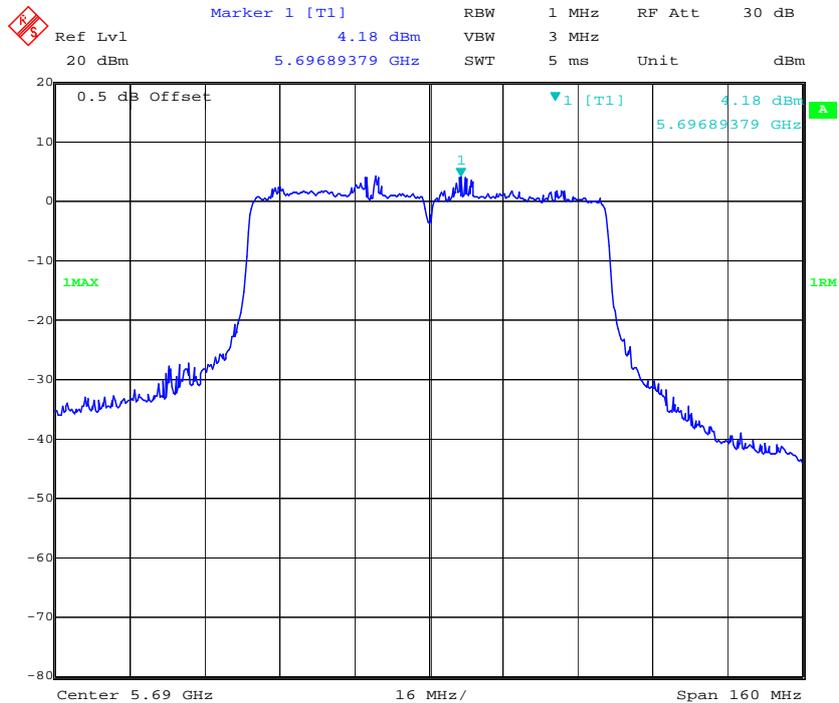
Date: 11.DEC.2016 11:08:34

802.11 ac80 Middle Channel – Chain1



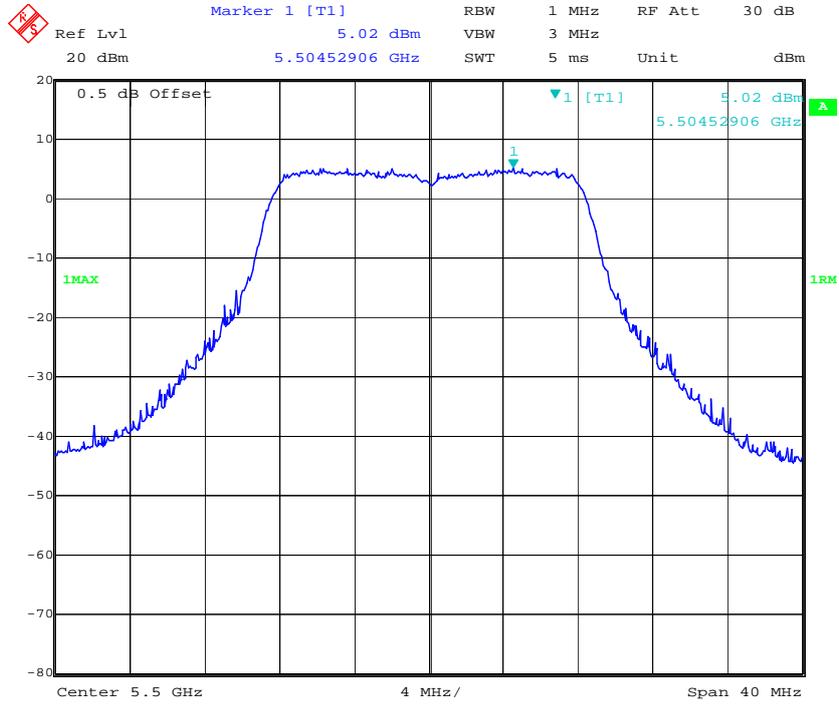
Date: 8.DEC.2016 16:41:32

802.11 ac80 High Channel – Chain1

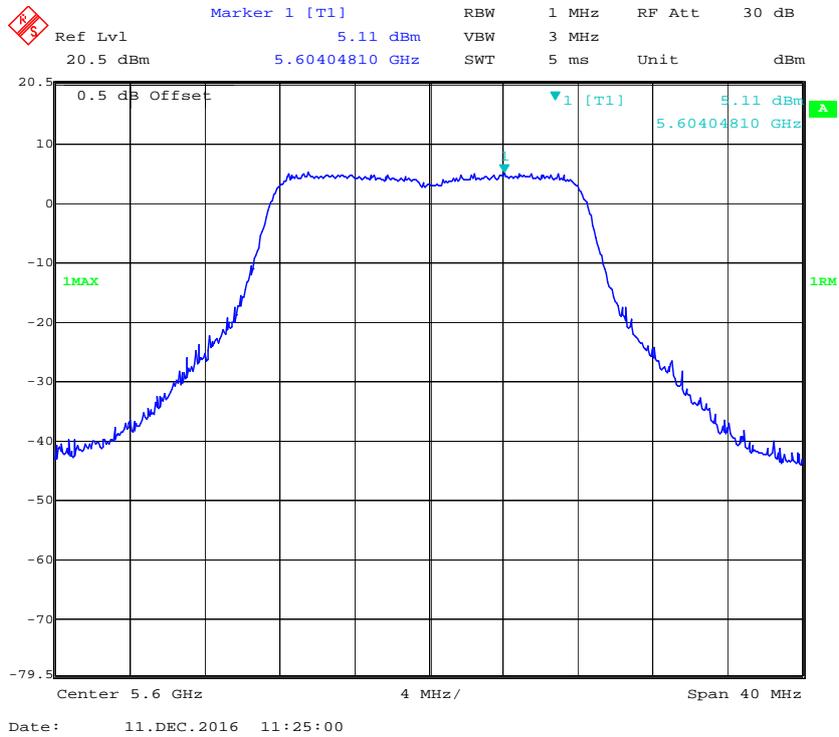


Date: 4.DEC.2016 12:11:22

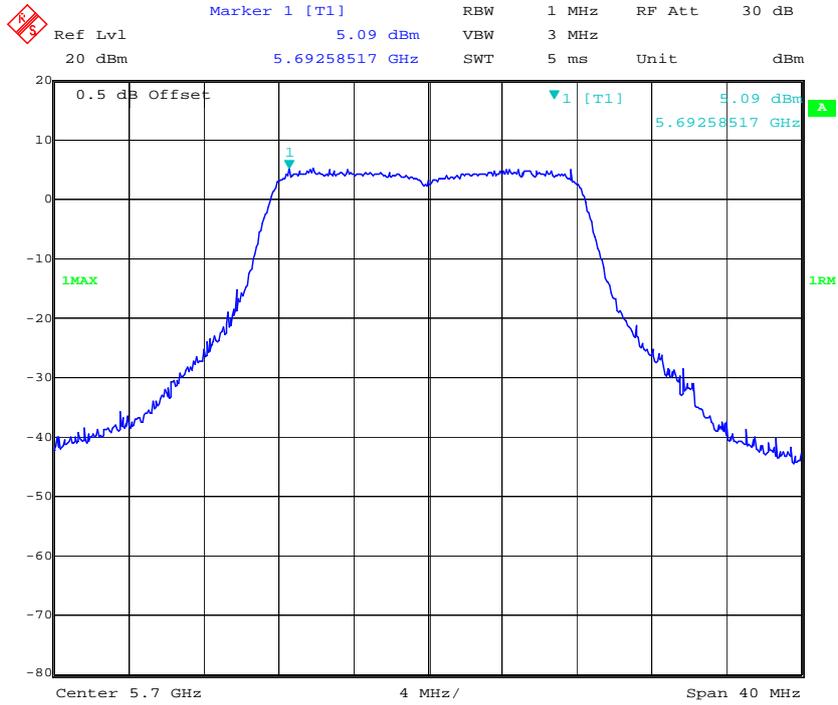
802.11a Low Channel – Chain2



802.11a Middle Channel – Chain2

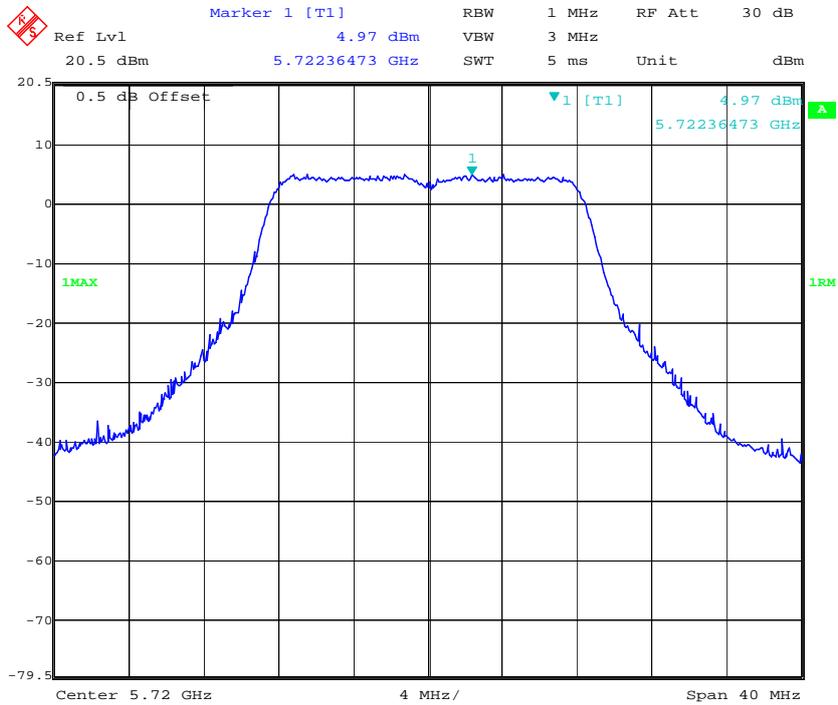


802.11a High Channel – Chain2



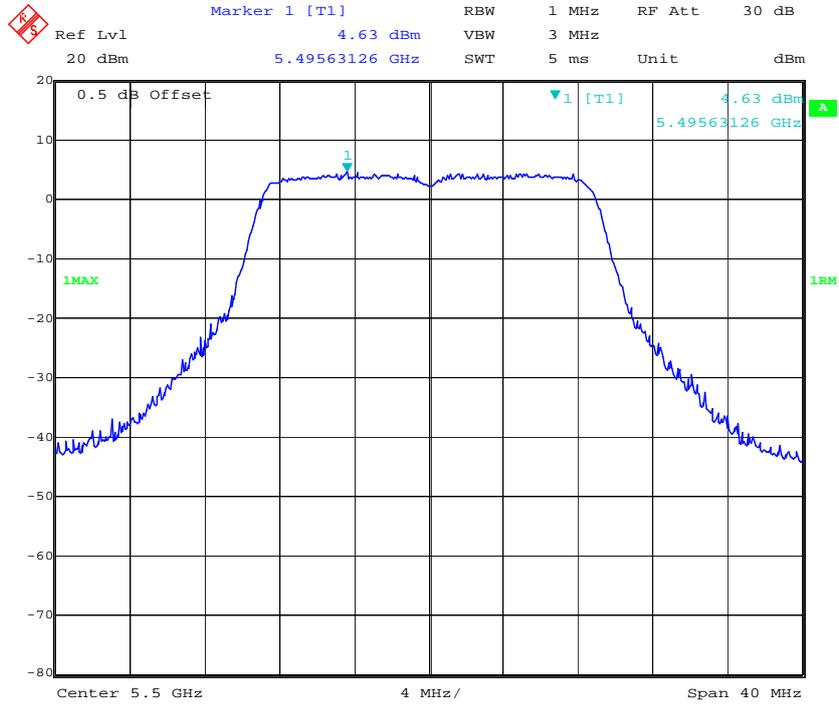
Date: 4.DEC.2016 13:45:18

802.11a Crossed Channel – Chain2



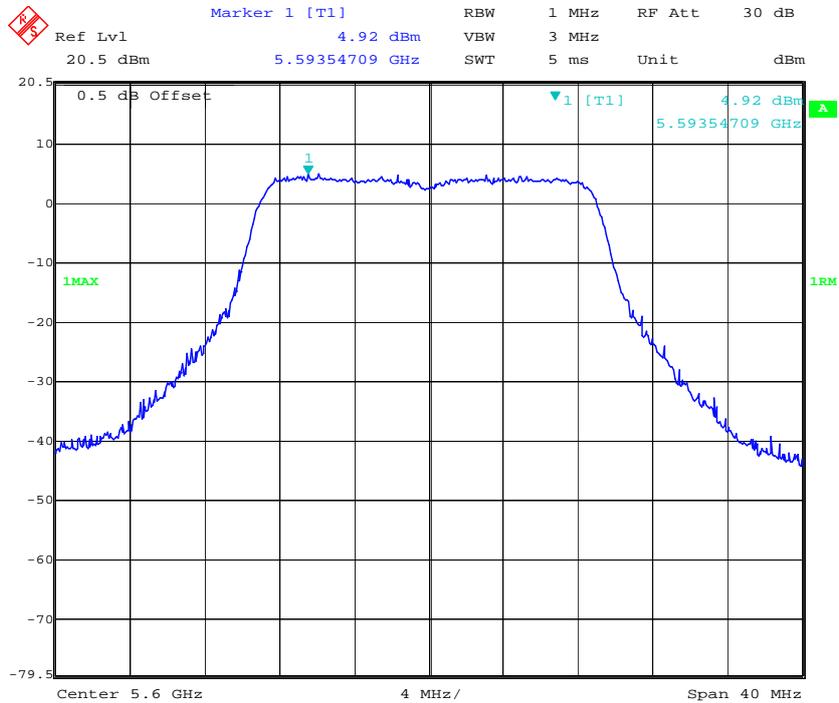
Date: 11.DEC.2016 11:25:26

802.11n ht20 Low Channel – Chain2



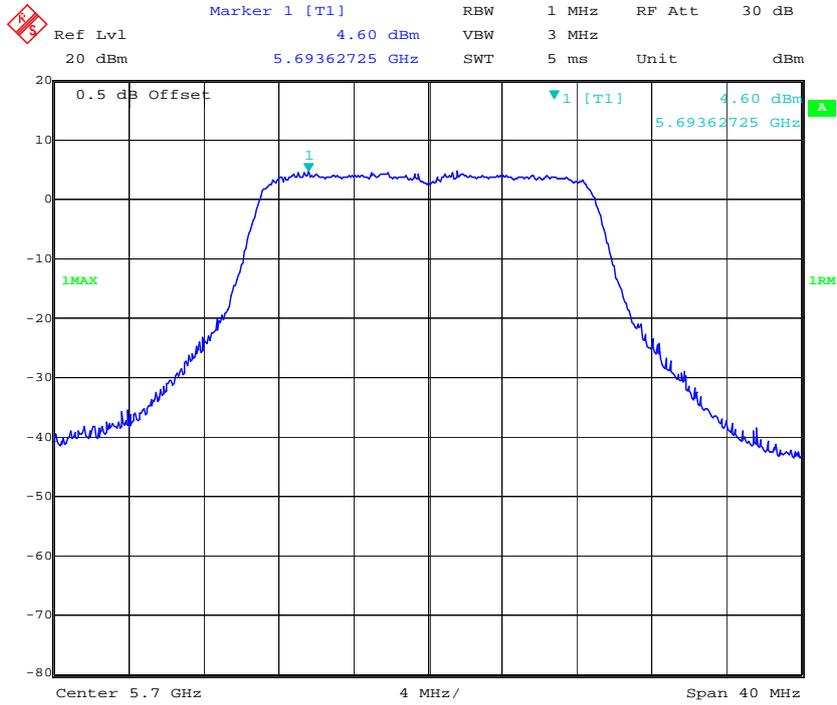
Date: 4.DEC.2016 13:44:05

802.11n ht20 Middle Channel – Chain2



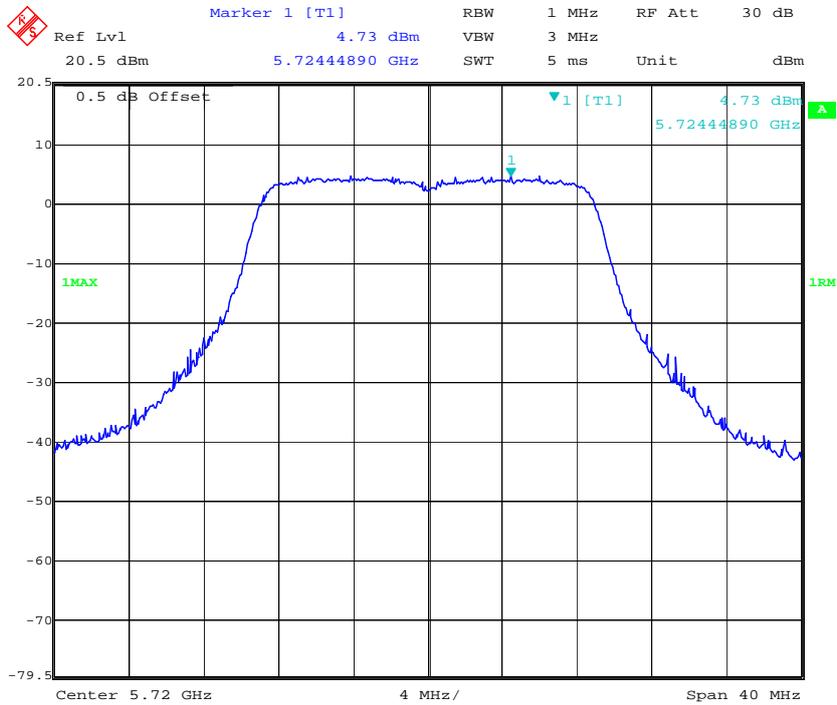
Date: 11.DEC.2016 11:24:37

802.11n ht20 High Channel – Chain2



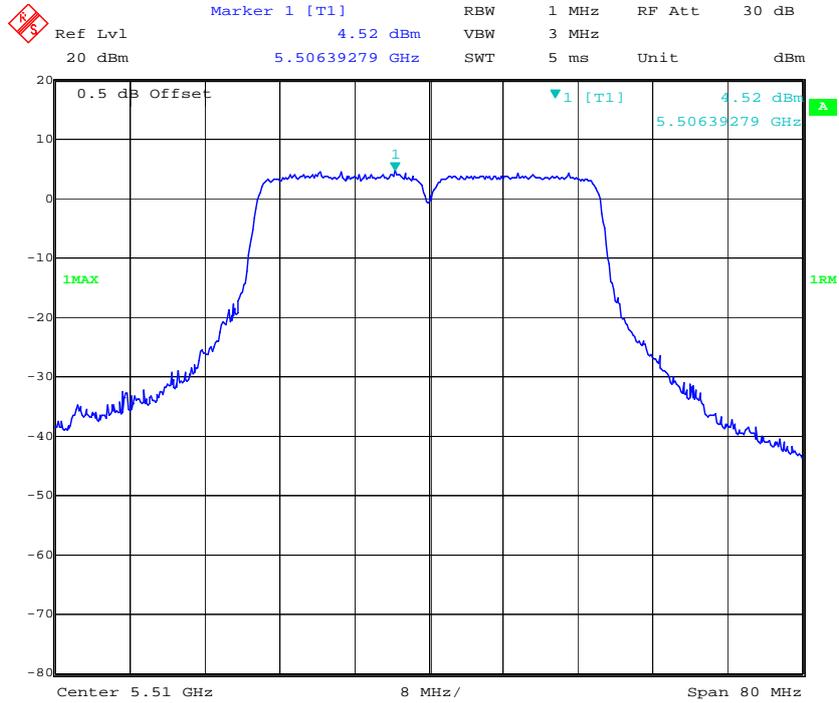
Date: 4.DEC.2016 13:44:28

802.11n ht20 Crossed Channel – Chain2



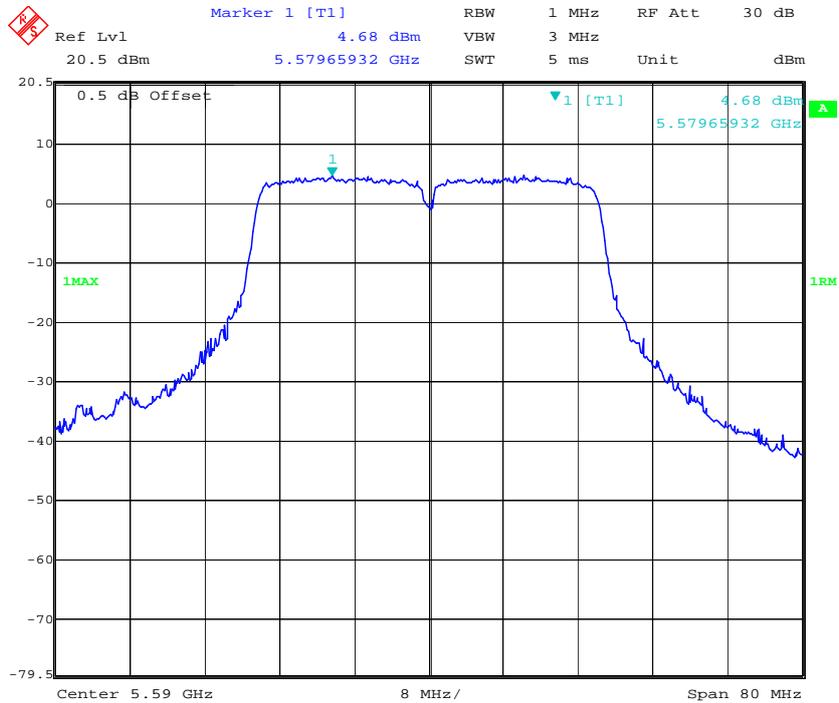
Date: 11.DEC.2016 11:23:57

802.11n ht40 Low Channel – Chain2



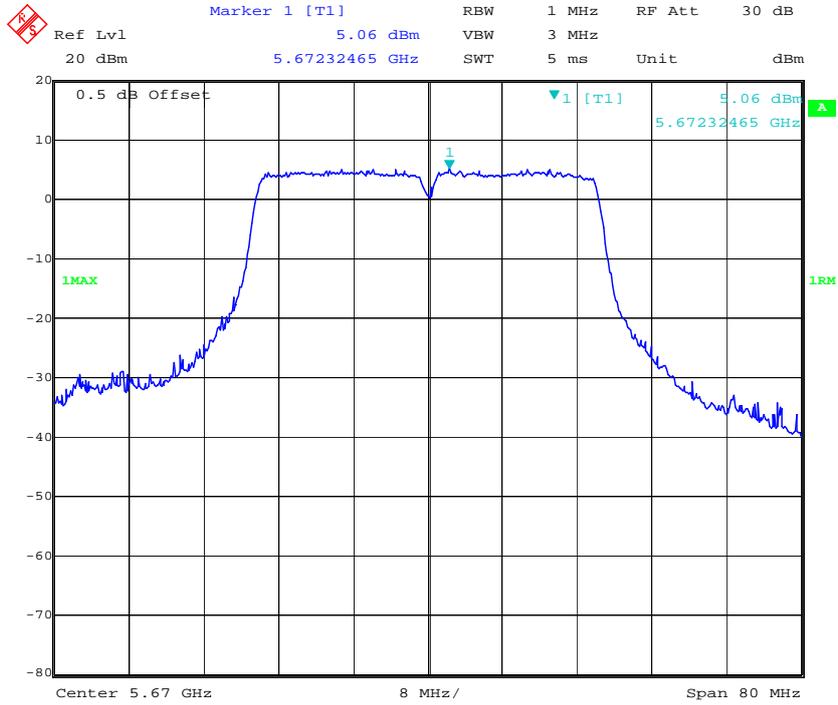
Date: 4.DEC.2016 13:43:26

802.11n ht40 Middle Channel – Chain2



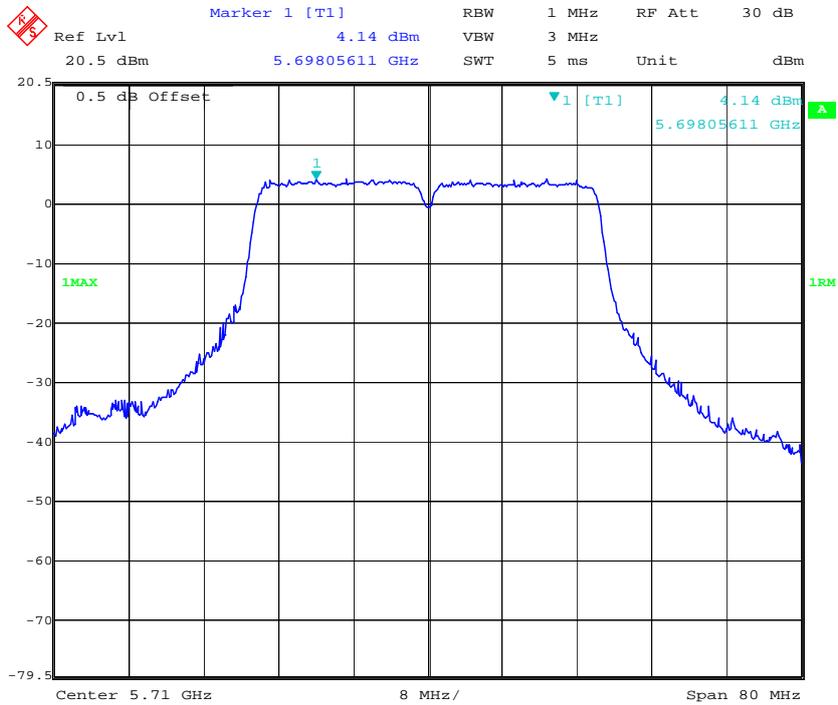
Date: 11.DEC.2016 11:22:40

802.11n ht40 High Channel – Chain2



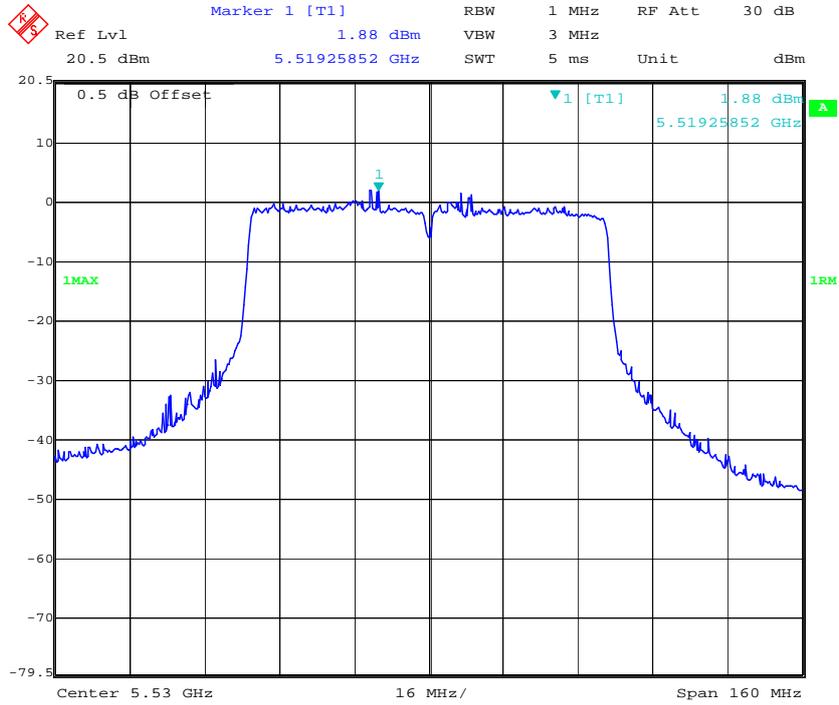
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802.11n ht40 Crossed Channel – Chain2



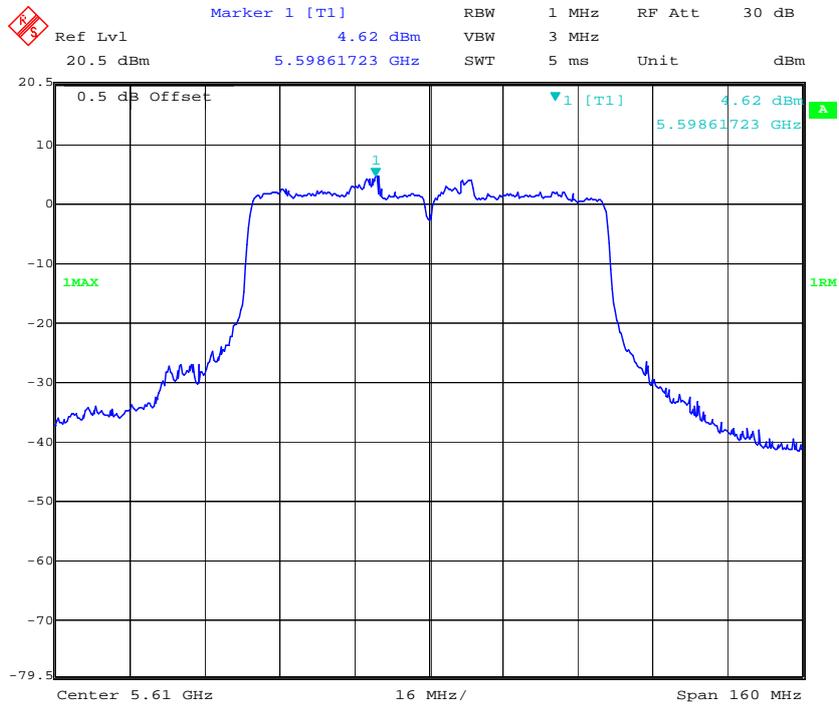
Date: 11.DEC.2016 11:23:17

802.11 ac80 Low Channel – Chain2



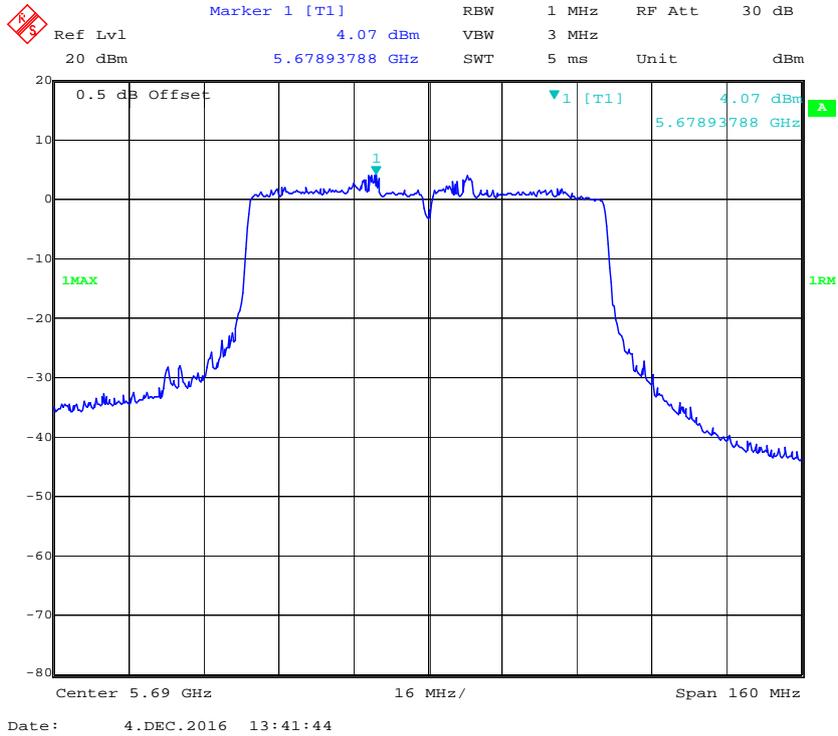
Date: 11.DEC.2016 11:07:27

802.11 ac80 Middle Channel – Chain2



Date: 11.DEC.2016 11:21:50

802.11 ac80 High Channel – Chain2



5725-5850MHz (SISO mode was tested since SISO mode was the maximum power mode per chain, so the MIMO modes PSD is less than SISO mode per chain)

Mode	Frequency (MHz)	Test Data (dBm/300kHz)			Power Spectral Density (dBm/500kHz)				Duty Cycle Factor (dB)	Power Spectral Density (dBm/500kHz)	Limits (dBm/500kHz)
		Chain 0	Chain 1	Chain 2	Chain 0	Chain 1	Chain 2	Total			
802.11a	5745	7.4	7.33	7.93	9.6	9.53	10.13	14.55	0.13	14.68	29.23
	5785	7.59	7.73	7.75	9.79	9.93	9.95	14.68	0.13	14.81	29.23
	5825	7.39	7.82	8.08	9.59	10.02	10.28	14.76	0.13	14.89	29.23
802.11n20	5745	7.87	7.89	7.62	10.07	10.09	9.82	14.79	0.18	14.97	29.23
	5785	7.46	7.6	7.67	9.66	9.8	9.87	14.57	0.18	14.75	29.23
	5825	7.84	7.31	7.91	10.04	9.51	10.11	14.69	0.18	14.87	29.23
802.11n40	5755	3.58	4.8	4.47	5.78	7	6.67	11.30	0.46	11.76	29.23
	5795	4.08	4.5	4.63	6.28	6.7	6.83	11.40	0.46	11.86	29.23
802.11ac80	5775	1.27	1.66	1.52	3.47	3.86	3.72	8.48	0.6	9.08	29.23

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 $\text{RBW} (< 500 \text{ KHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

Note 2: the device is a master device. the 3 antenna maximum antenna gain are 2dBi, and employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

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

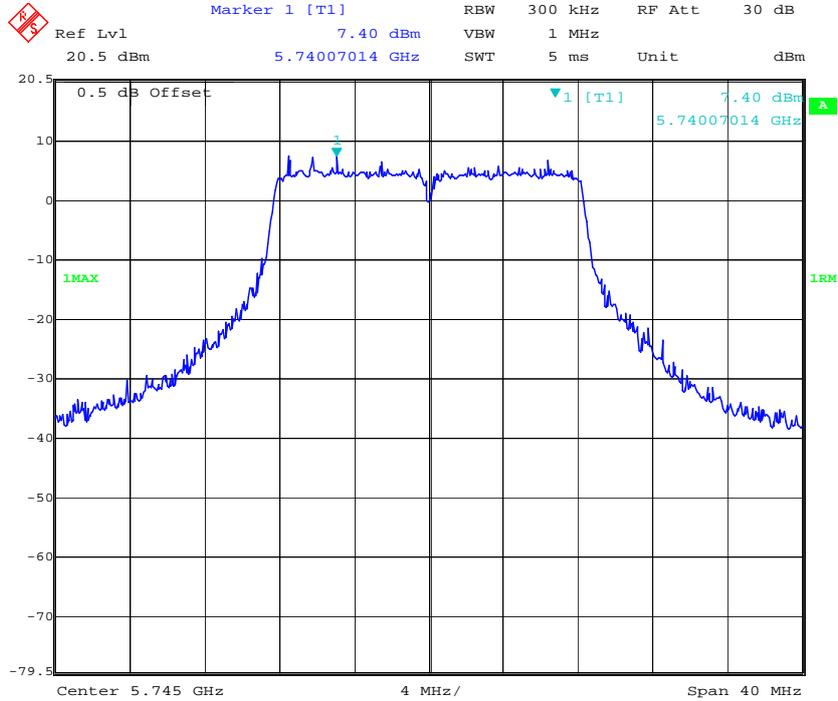
So:

$$\text{Directional gain} = \text{GANT} + \text{Array Gain} = 2 + 10 \cdot \log(3) = 6.77 \text{ dBi} > 6\text{dBi}$$

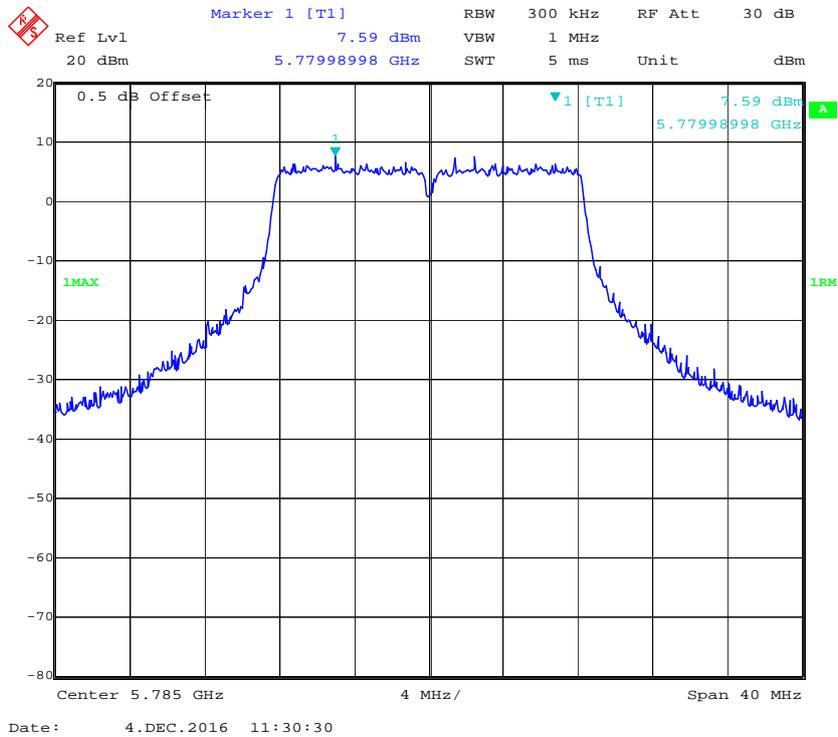
$$\text{Power density Limit} = 30 - (6.77 - 6) = 29.23\text{dBm}$$

5725MHz-5850MHz:

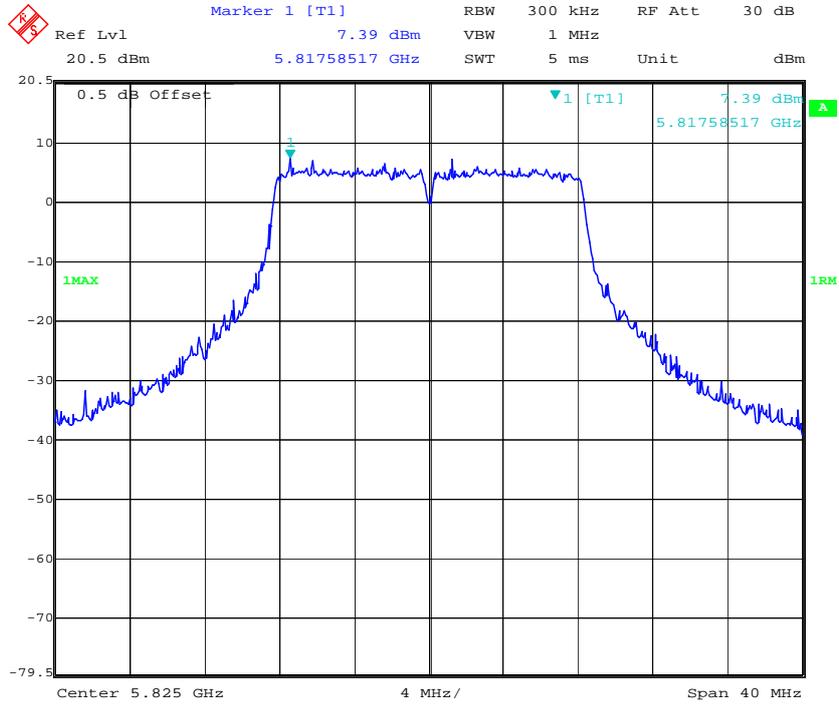
802.11a Low Channel – Chain0



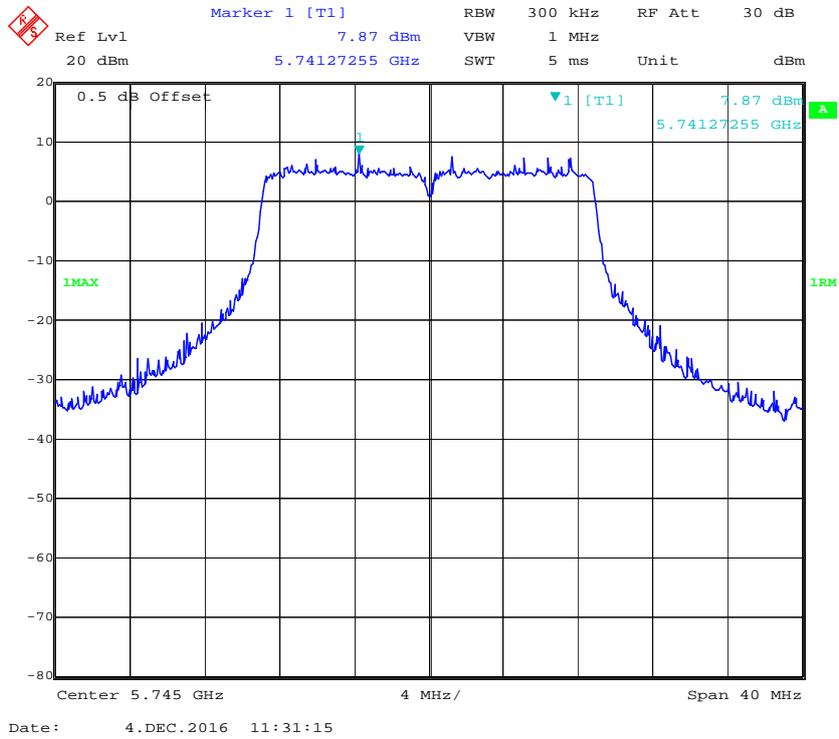
802.11a Middle Channel – Chain0



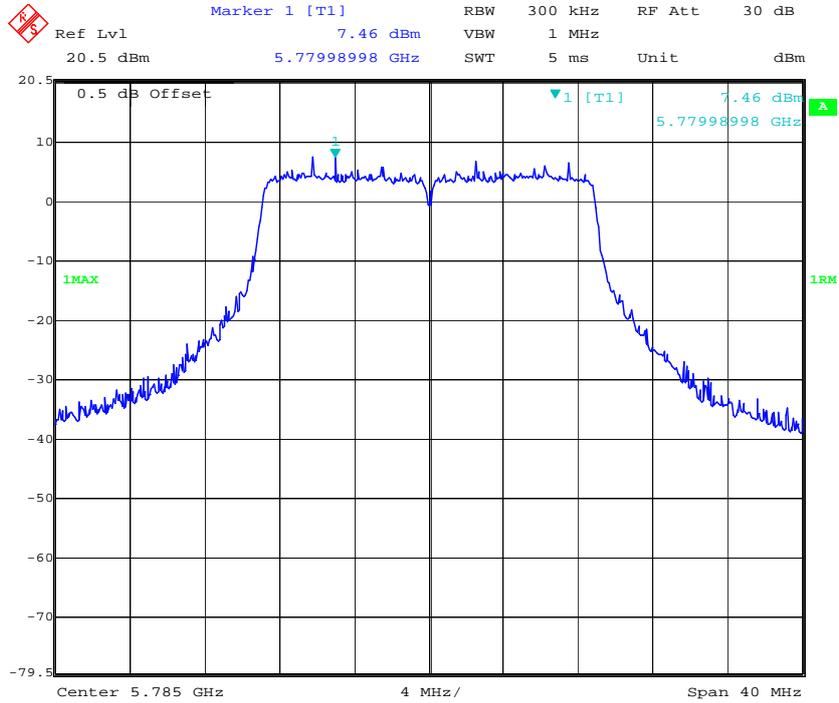
802.11a High Channel – Chain0



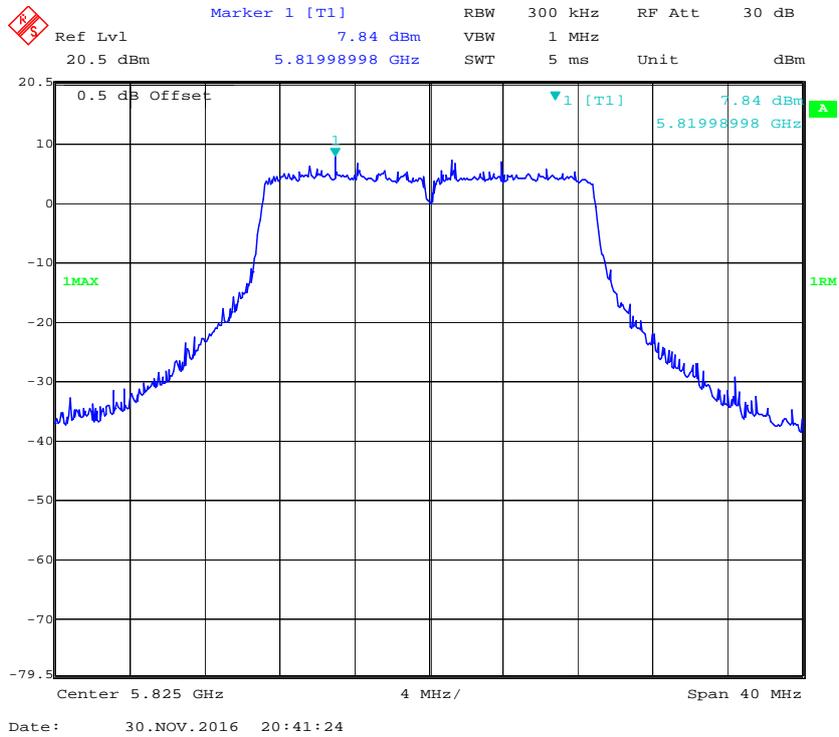
802.11n ht20 Low Channel – Chain0



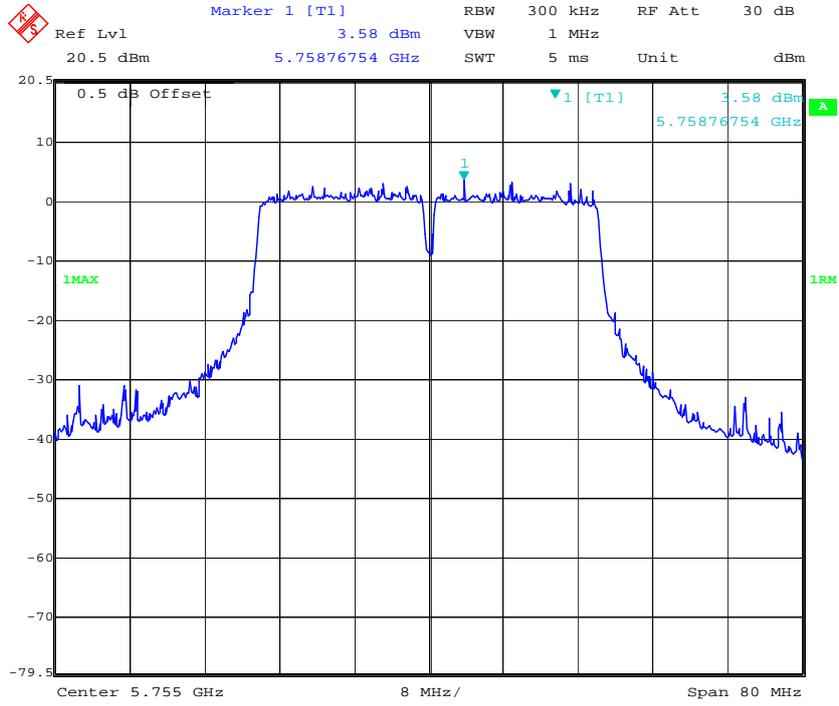
802.11n ht20 Middle Channel – Chain0



802.11n ht20 High Channel – Chain0

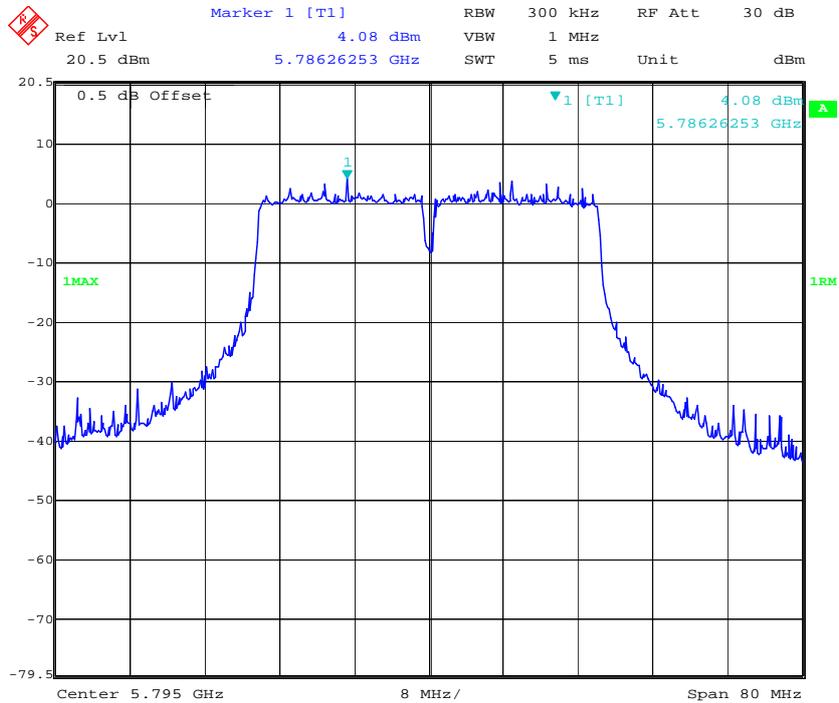


802.11n ht40 Low Channel – Chain0



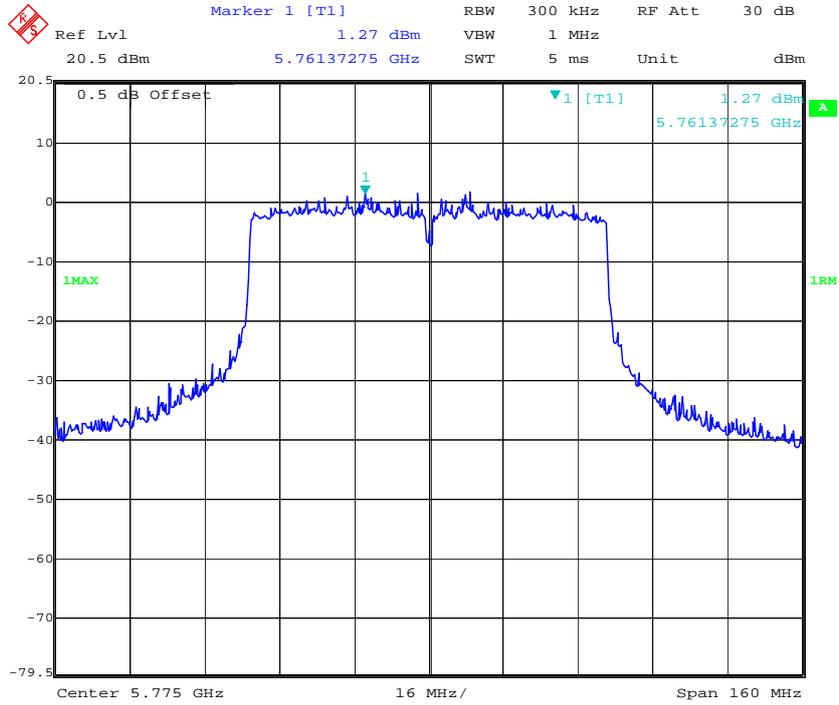
Date: 30.NOV.2016 20:56:52

802.11n ht40 High Channel – Chain0



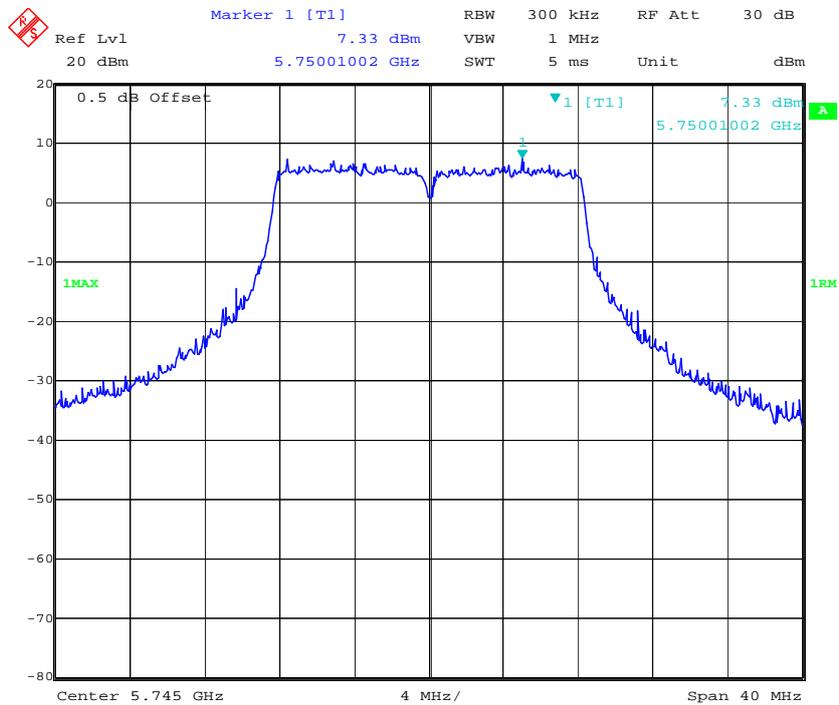
Date: 30.NOV.2016 21:01:14

802.11 ac80 Middle Channel – Chain0



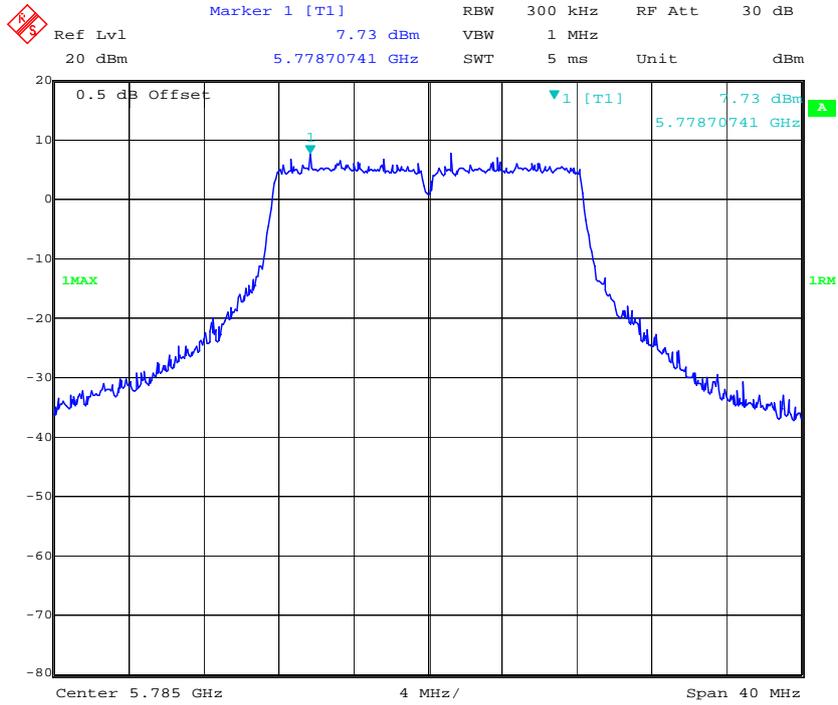
Date: 30.NOV.2016 21:04:03

802.11a Low Channel – Chain1

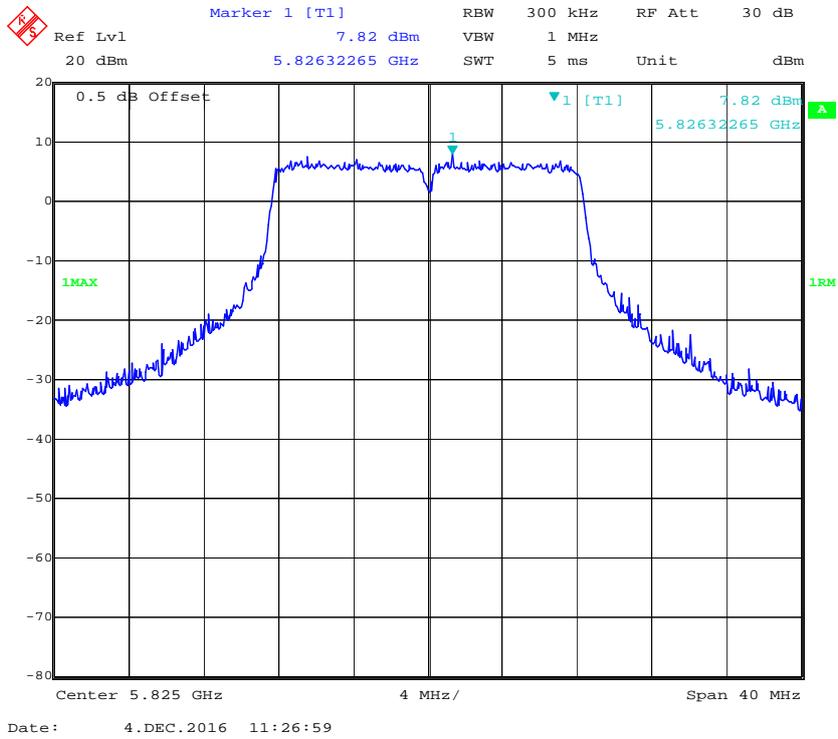


Date: 4.DEC.2016 11:27:42

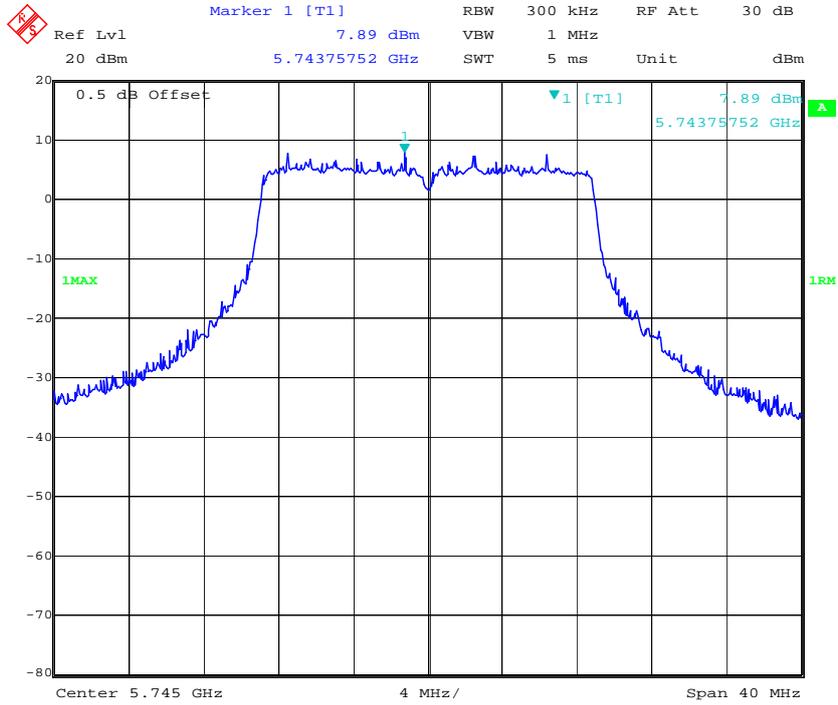
802.11a Middle Channel – Chain1



802.11a High Channel – Chain1

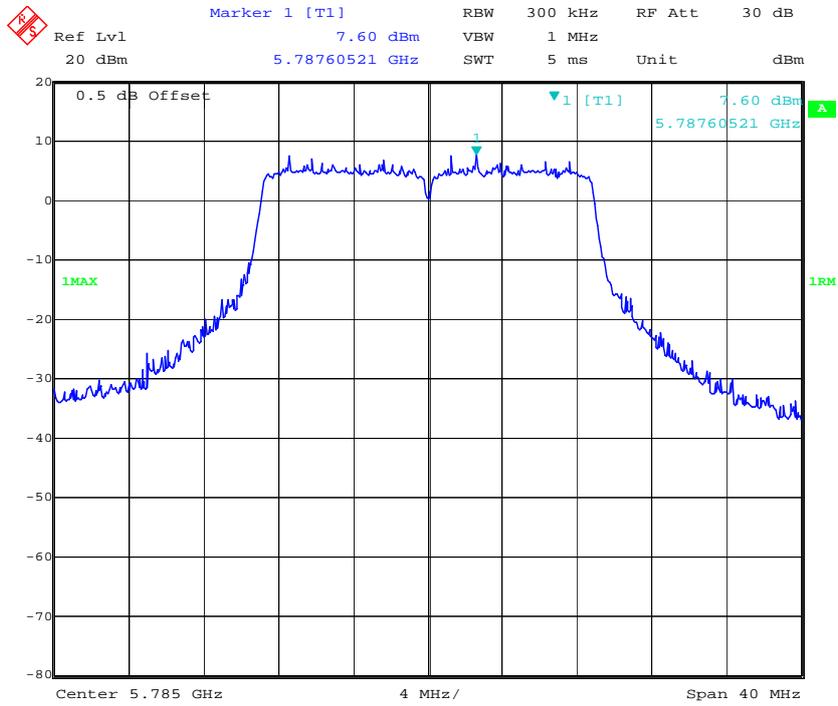


802.11n ht20 Low Channel – Chain1



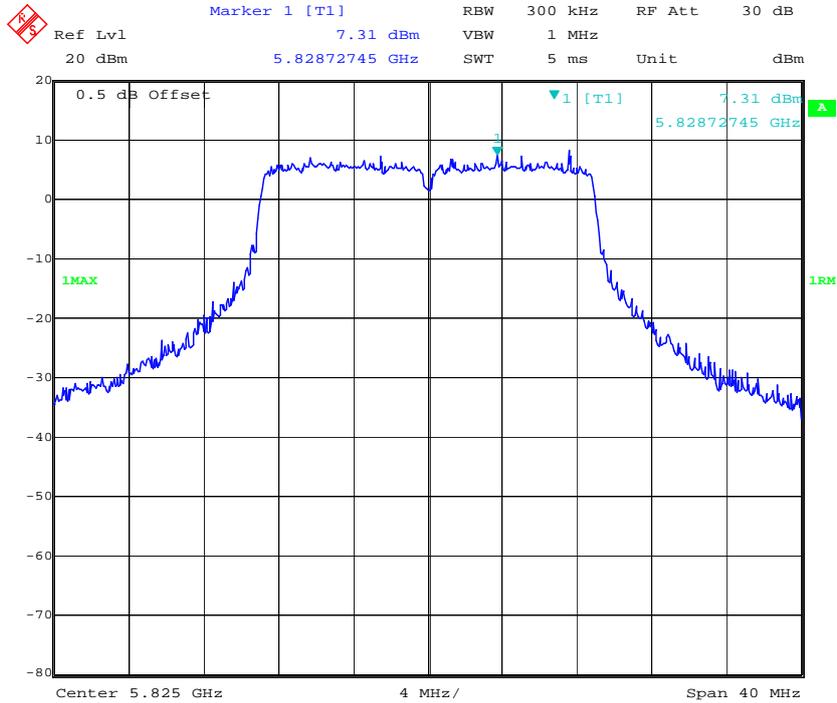
Date: 4.DEC.2016 11:20:40

802.11n ht20 Middle Channel – Chain1



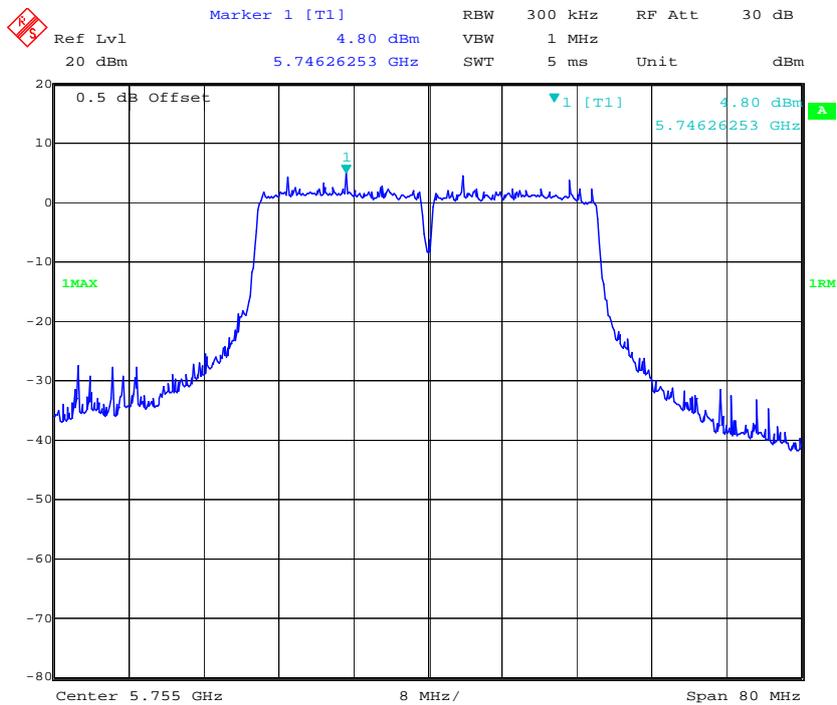
Date: 4.DEC.2016 11:24:25

802.11n ht20 High Channel – Chain1



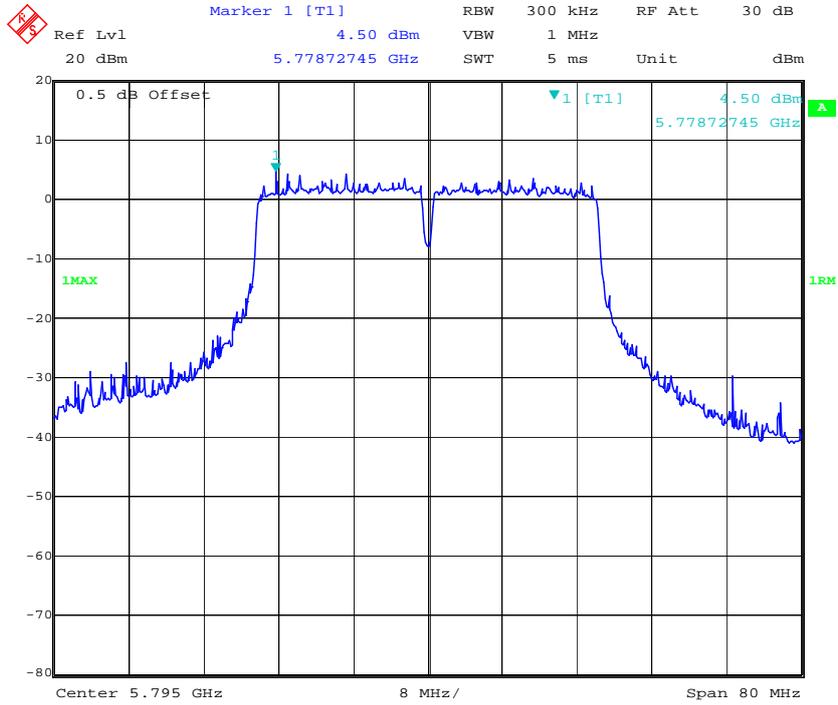
Date: 4.DEC.2016 11:25:48

802.11n ht40 Low Channel – Chain1



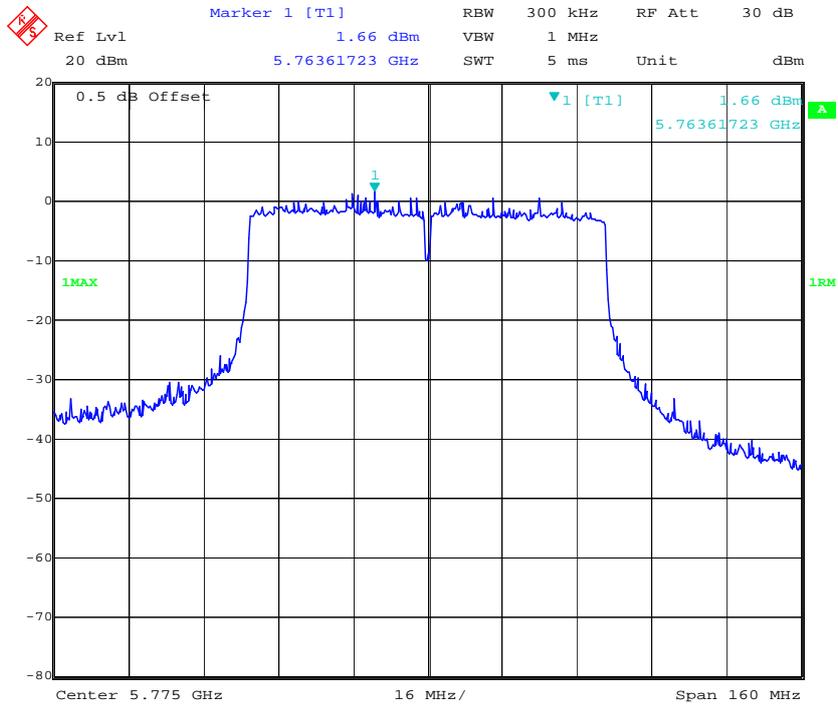
Date: 4.DEC.2016 11:19:27

802.11n ht40 High Channel – Chain1



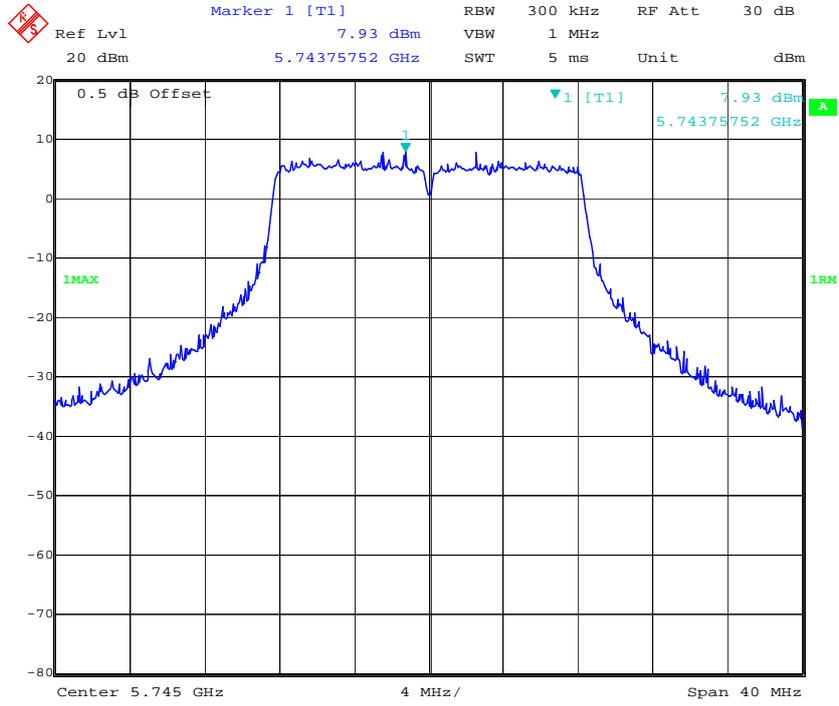
Date: 4.DEC.2016 11:19:01

802.11 ac80 Middle Channel – Chain1

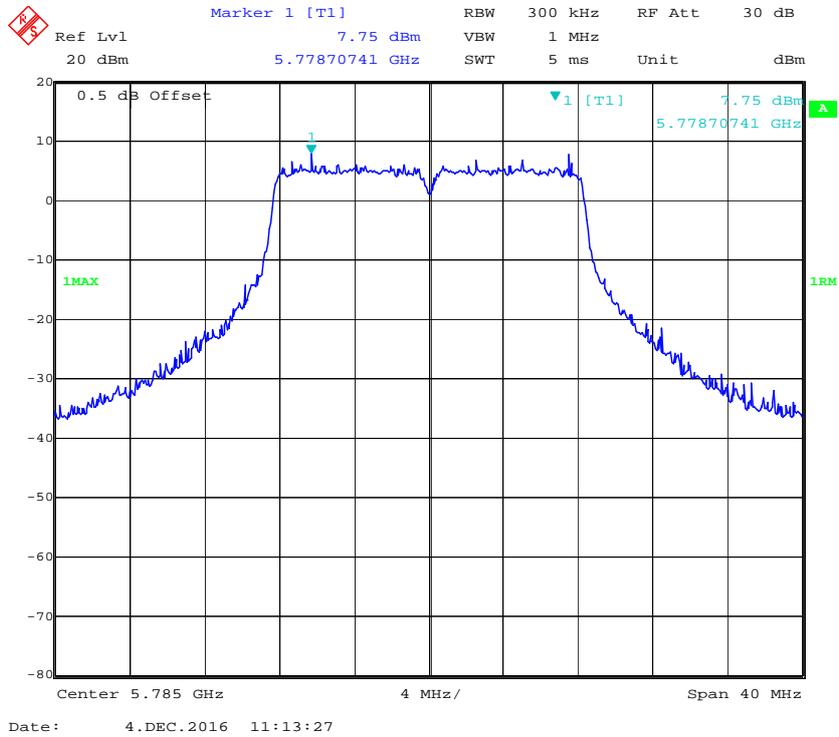


Date: 4.DEC.2016 11:17:56

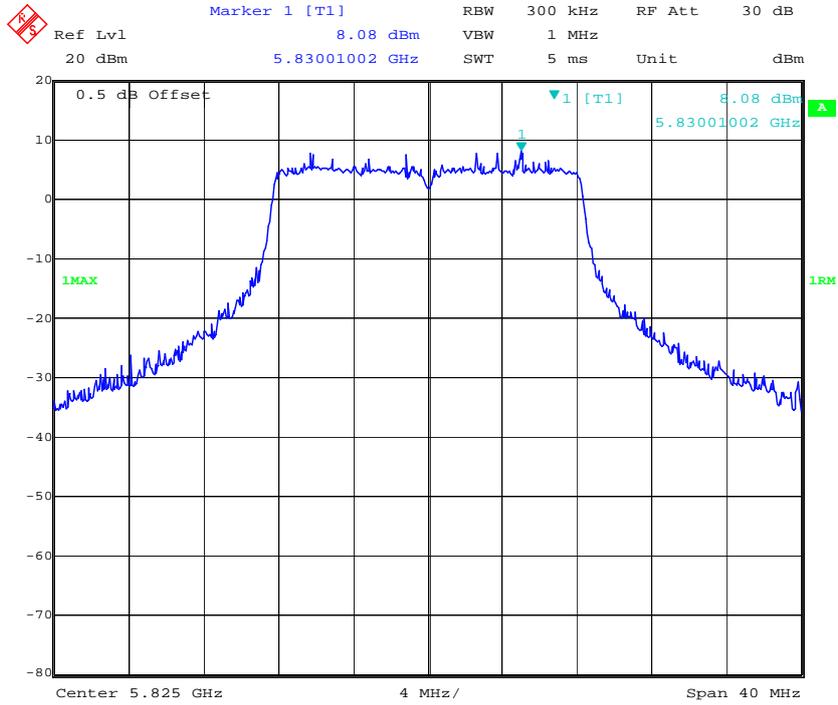
802.11a Low Channel – Chain2



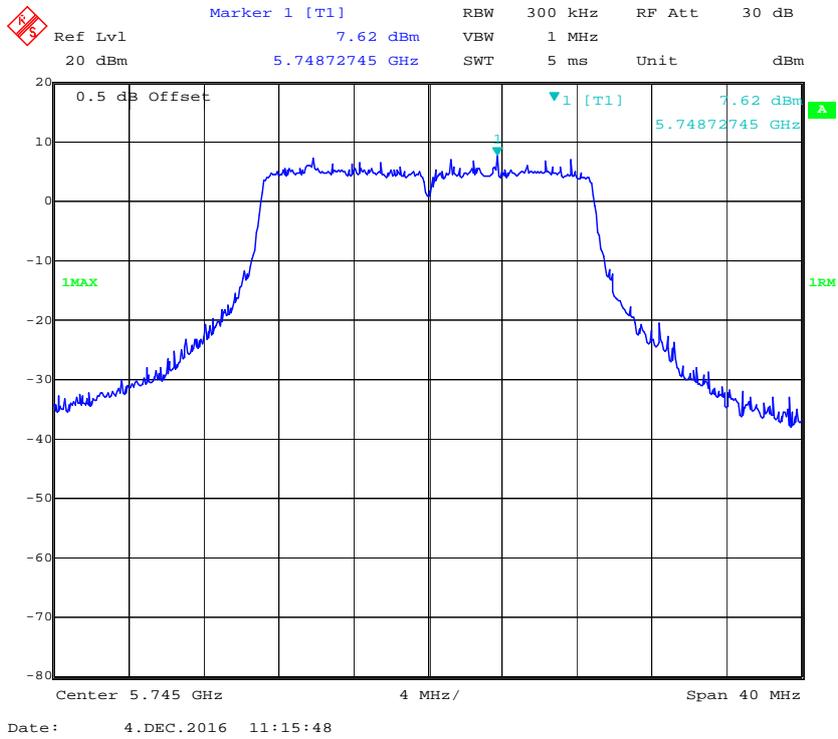
802.11a Middle Channel – Chain2



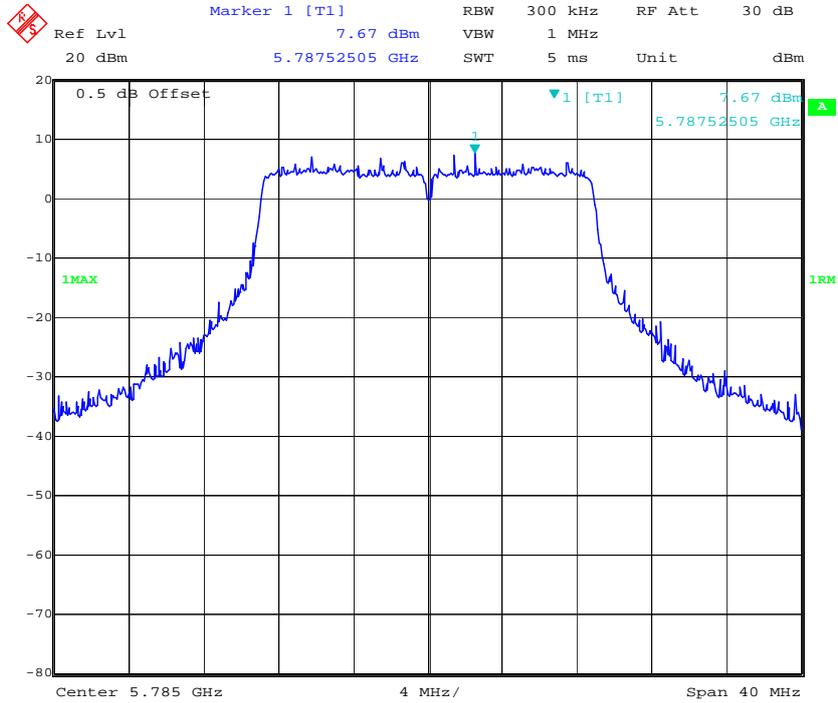
802.11a High Channel – Chain2



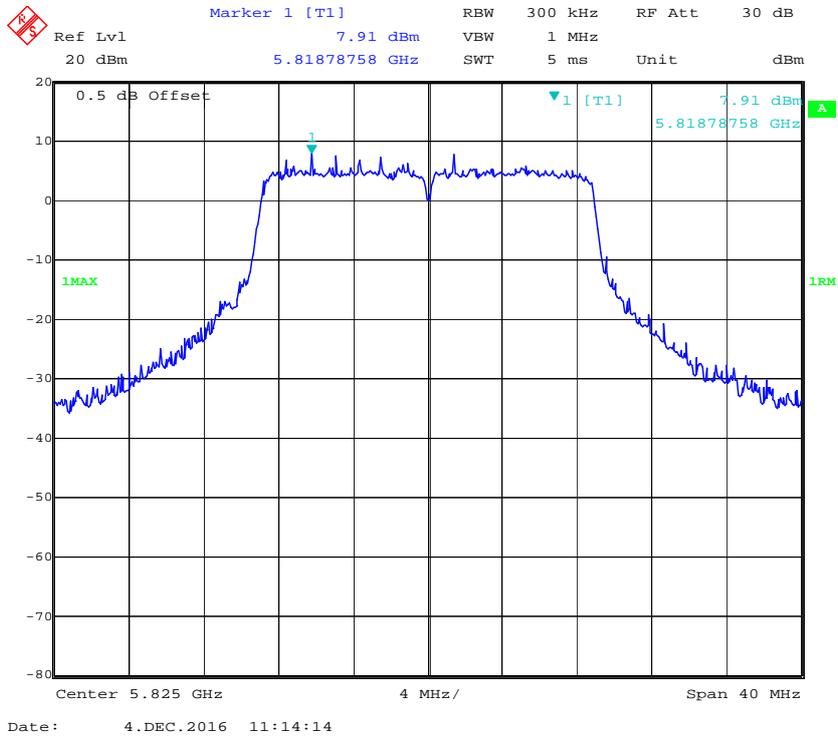
802.11n ht20 Low Channel – Chain2



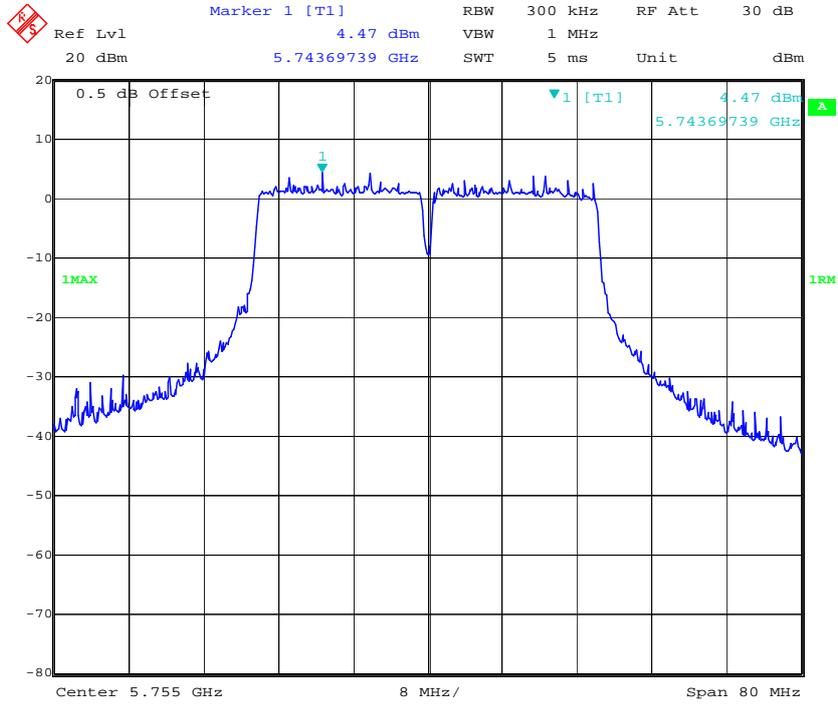
802.11n ht20 Middle Channel – Chain2



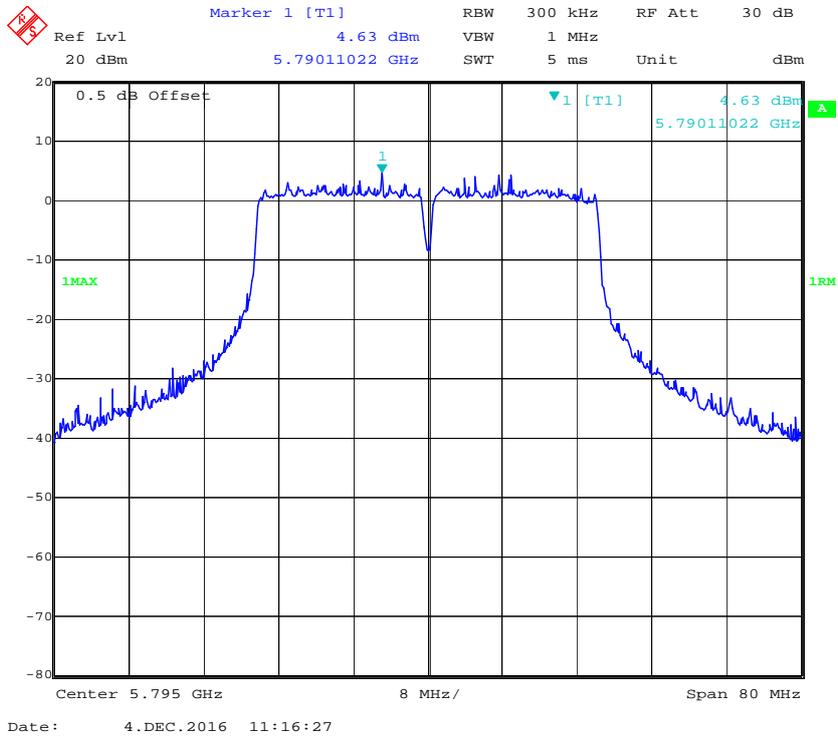
802.11n ht20 High Channel – Chain2



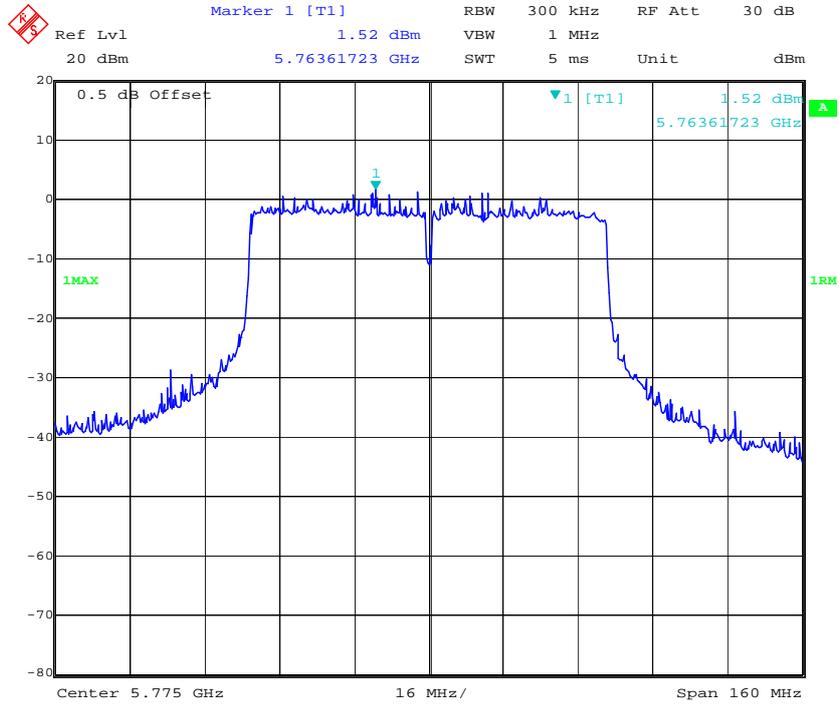
802.11n ht40 Low Channel – Chain2



802.11n ht40 High Channel – Chain2



802.11 ac80 Middle Channel – Chain2



Date: 4.DEC.2016 11:17:07

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