



TESTING LABORATORY
CERTIFICATE #4820.01



FCC PART 15.407

TEST REPORT

For

Hytera Communications Corporation Limited

Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen,
518057 China

FCC ID: YAMVM750D

Report Type: Original Report	Product Name: Body Worn Camera
Report Number: DG2210728-31605E-00C	
Report Date: 2021-08-25	
Reviewed By:	Rocky Xiao RF Engineer <i>Rocky Xiao</i>
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

EUT Name:	Body Worn Camera
EUT Model:	VM750D
Operation Frequency:	5180-5240 MHz (802.11a/n ht20/ac vht20) 5190-5230 MHz(802.11n ht40/ac vht40) 5210 MHz(802.11ac vht80) 5260-5320 MHz (802.11a/n ht20/ac vht20) 5270-5310 MHz(802.11n ht40/ac vht40) 5290 MHz(802.11ac vht80) 5500-5720 MHz (802.11a/n ht20/ac vht20) 5510-5710 MHz(802.11n ht40/ac vht40) 5530-5690 MHz(802.11ac vht80) 5745-5825 MHz (802.11a/n ht20/ac vht20) 5755-5795 MHz(802.11n ht40/ac vht40) 5775 MHz(802.11ac vht80)
Maximum Average Output Power (Conducted):	13.97 dBm @5.2G 13.73 dBm @5.3G 12.58 dBm @5.6G 11.95 dBm @5.8G
Antenna Gain[▲]:	0.19 dBi(Max.)
Modulation Type:	OFDM
Rated Input Voltage:	DC 3.85V from battery
Adapter Information	Model: S010WU0500200
	Input: 100-240Vac 50/60Hz 400mA
	Output: 5.0Vdc 2000mA
Serial Number:	DG2210728-31605E-RF-S1
EUT Received Date:	2021.07.29
EUT Received Status:	Good

Objective

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

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

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

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

Measurement Uncertainty

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	30M~200MHz: 4.55 dB,200M~1GHz: 5.92 dB,1G~6GHz: 4.98 dB, 6G~18GHz: 5.89 dB,18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Unwanted Emissions, conducted	±1.5 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	3.12 dB (150 kHz to 30 MHz)

Note: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage Factor K with the 95% confidence interval.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218, the FCC Designation No. : CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

Declarations

BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80, the vht20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40.

For 5150~5250 MHz band, 7 channels are provided:

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

For 802.11a, 802.11n ht20, channel 36, 40 and 48 was tested, for 802.11n ht40, channel 38, 46 were tested, for 802.11ac vht80, channel 42 was tested.

For 5250~5350 MHz band, 7 channels are provided:

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

For 802.11a, 802.11n ht20, Channel 52, 56 and 64 were tested, for 802.11n ht40 Channel 54, 62 were tested, for 802.11ac vht80 channel 58 was tested.

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

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

For 802.11a, 802.11n ht20 Channel 100, 116 and 140 were tested, for 802.11n ht40 Channel 102, 110 and 134 were tested, for 802.11ac vht80 channel 106,122.

Channel 144 for 802.11a and n ht20, Channel 142 for 802.11n ht40, Channel 138 for 802.11ac vht80 crossed the band U-NII 2C to U-NII 3, were choose 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

For 802.11a, 802.11n ht20, channel 149, 157 and 165 was tested, for 802.11n ht40, channel 151, 159 were tested, for 802.11ac vht80, channel 155 was tested.

EUT Exercise Software

The software “QRCT Version3.0264.0” was used for testing, which was provided by Manufacturer. 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. The maximum power was configured as below table, that provided by the Manufacturer▲:

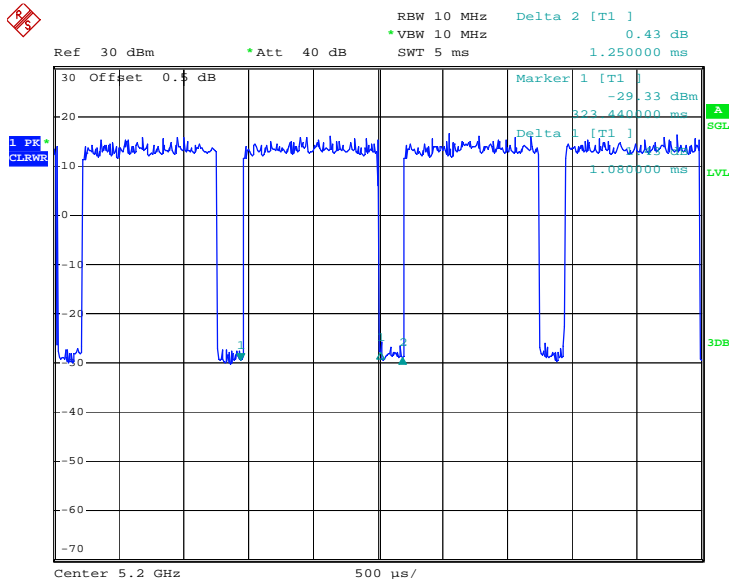
Band	Mode	Channel	Frequency (MHz)	Data rate	Power level Setting
5150 - 5250 MHz	802.11a	Low	5180	6Mbps	13
		Middle	5200	6Mbps	13
		High	5240	6Mbps	13
	802.11n ht20	Low	5180	MCS0	13
		Middle	5200	MCS0	13
		High	5240	MCS0	13
	802.11n ht40	Low	5190	MCS0	12
		High	5230	MCS0	12
	802.11ac vht80	Middle	5210	MCS0	12
5250-5350 MHz	802.11a	Low	5260	6Mbps	12
		Middle	5280	6Mbps	12
		High	5320	6Mbps	12
	802.11n ht20	Low	5260	MCS0	12
		Middle	5280	MCS0	12
		High	5320	MCS0	12
	802.11n ht40	Low	5270	MCS0	12
		High	5310	MCS0	12
	802.11ac vht80	Middle	5290	MCS0	12
5470-5725	802.11a	Low	5500	6Mbps	11
		Middle	5580	6Mbps	11
		High	5700	6Mbps	11
	802.11n ht20	Low	5500	MCS0	11
		Middle	5580	MCS0	11
		High	5700	MCS0	11
	802.11n ht40	Low	5510	MCS0	11
		Middle	5550	MCS0	11
		High	5670	MCS0	11
	802.11ac vht80	Low	5530	MCS0	11
		High	5690	MCS0	11

Band	Mode	Channel	Frequency (MHz)	Data rate	Power level Setting
5725 - 5850 MHz	802.11a	Low	5745	6Mbps	10
		Middle	5785	6Mbps	10
		High	5825	6Mbps	10
	802.11n ht20	Low	5745	MCS0	10
		Middle	5785	MCS0	10
		High	5825	MCS0	10
	802.11n ht40	Low	5755	MCS0	9
		High	5795	MCS0	9
	802.11ac vht80	Middle	5775	MCS0	9

The duty cycle as below:

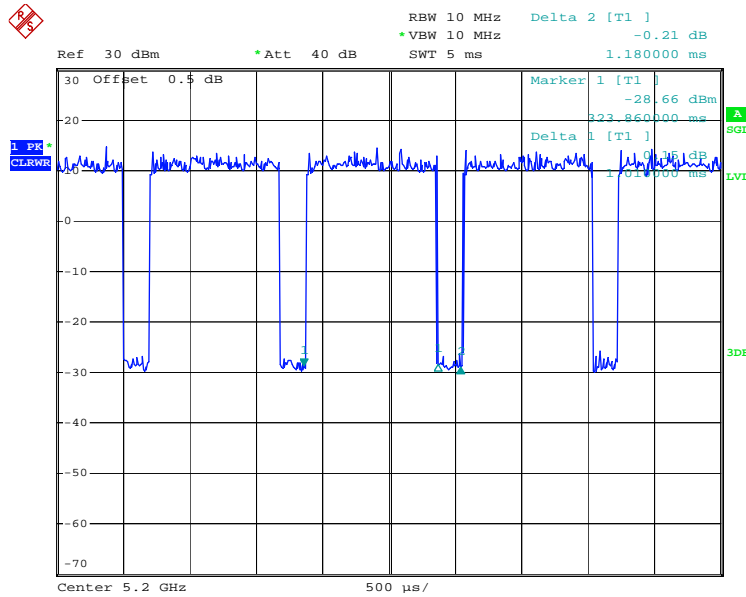
Mode	T _{on} (ms)	T _{on+off} (ms)	Duty Cycle (%)
802.11 a	1.08	1.25	86.40
802.11n ht20	1.01	1.18	85.59
802.11n ht40	0.506	0.69	73.33
802.11ac vht80	0.259	0.323	80.19

802.11a



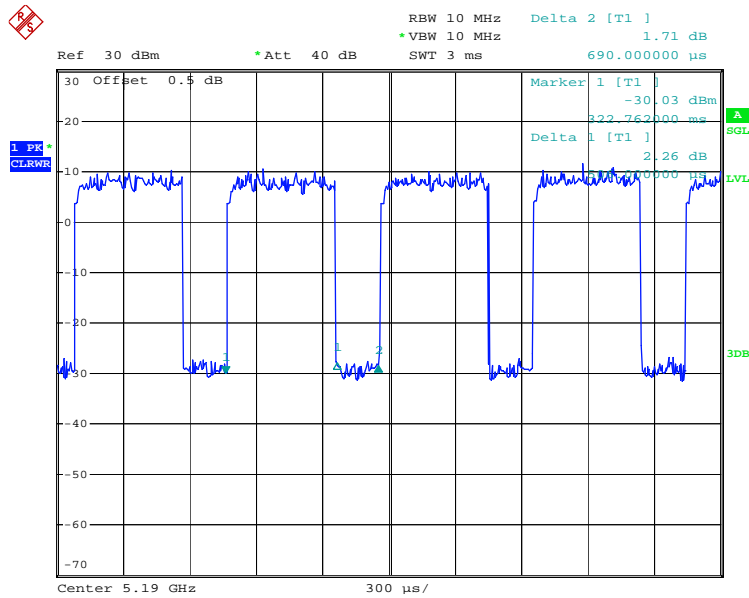
Date: 5.AUG.2021 11:51:45

802.11n ht20



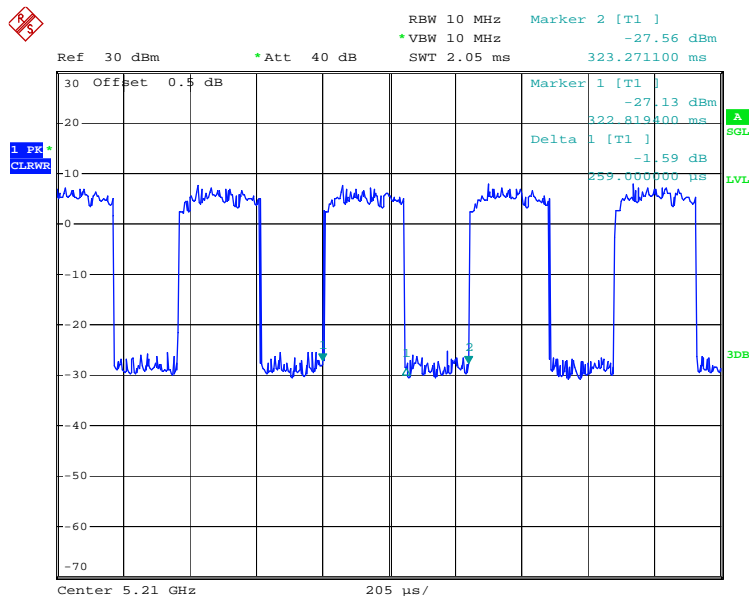
Date: 5.AUG.2021 11:53:05

802.11n ht40



Date: 5.AUG.2021 11:54:14

802.11ac vht80



Date: 5.AUG.2021 11:55:24

Equipment Modifications

No modification was made to the EUT.

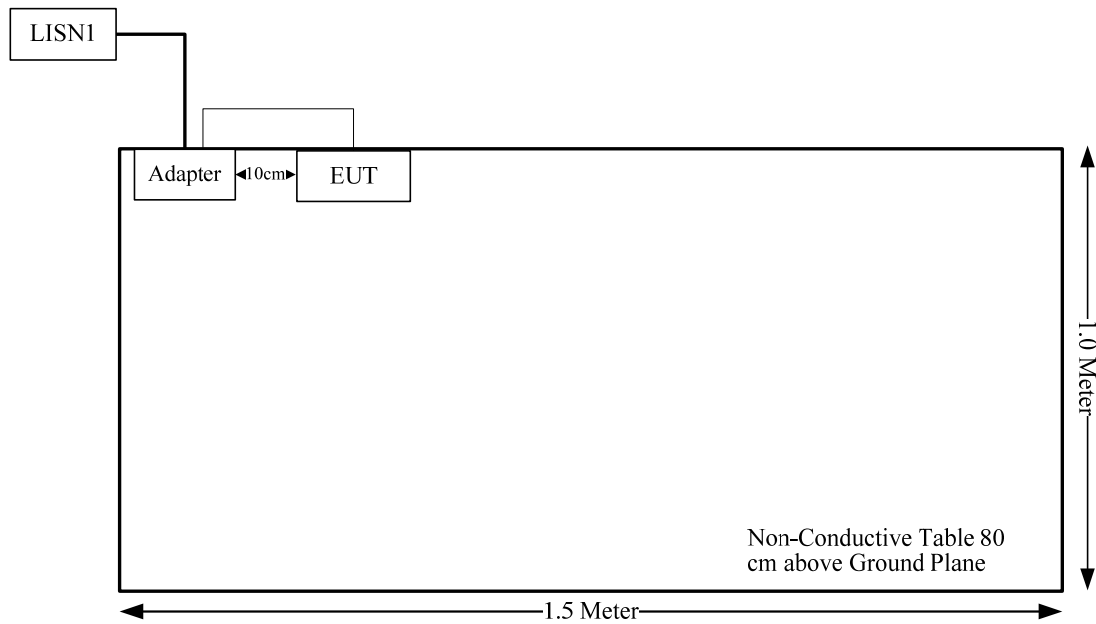
Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
/	/	/	/

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
/	/	/	/	/	/

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

Rules	Description of Test	Result
FCC §15.407 (f) & §1.1310 & §2.1093	RF Exposure	Compliance
FCC§15.203	Antenna Requirement	Compliance
FCC§15.407(b)(6)& §15.207(a)	Conducted Emissions	Compliance
FCC§15.205& §15.209 &§15.407(b)	Undesirable Emission& Restricted Bands	Compliance
FCC§15.407(b)	Out Of Band Emissions	Compliance
FCC§15.407(a) (e)	Emission Bandwidth	Compliance
FCC§15.407(a)	Conducted Transmitter Output Power	Compliance
FCC§15.407 (a)	Power Spectral Density	Compliance

FCC §15.407 (f) & §1.1310 & §2.1093- RF EXPOSURE

Applicable Standard

FCC §15.407 (f) , §1.1310 and §2.1093.

Test Result

Compliance, please refer to the SAR report: DG2210728-31605E-20.

FCC §15.203- ANTENNA REQUIREMENT

Applicable Standard

According to FCC§ 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 user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

Antenna Connector Construction

The EUT has one internal PIFA antenna arrangement for BT/WLAN, fulfill the requirement of this section. Please refer to the EUT photos.

Antenna Type	input impedance (Ohm)	Antenna Gain /Frequency Range
PIFA	50	-1.03 dBi/2.4~2.5GHz 0.19 dBi/5.15~5.85GHz

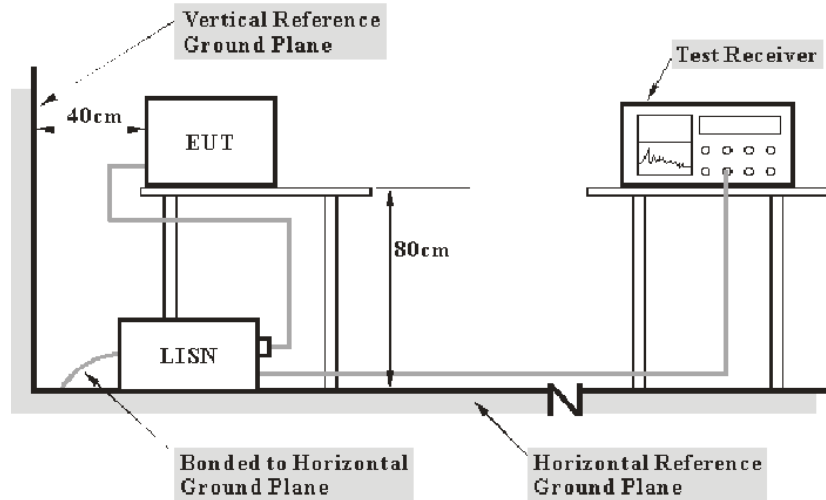
Result: Compliance.

FCC §15.207(a)– CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a), §15.407(b) (6).

EUT Setup



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

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

The spacing between the peripherals was 10 cm.

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

EMI Test Receiver Setup

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

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

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

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

$$C_f = A_C + VDF$$

Herein,

V_C (cord. Reading): corrected voltage amplitude

V_R : reading voltage amplitude

A_c : attenuation caused by cable loss

VDF: voltage division Factor of AMN

C_f : Correction Factor

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

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

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV 216	101614	2020-09-12	2021-09-12
R&S	EMI Test Receiver	ESCI	101121	2021-07-06	2022-07-05
MICRO-COAX	Coaxial Cable	C-NJNJ-50	C-0200-01	2020-09-05	2021-09-05
R&S	Test Software	EMC32	Version 9.10.00	N/A	N/A

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

Test Procedure

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

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase (“hot”) line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

Test Data

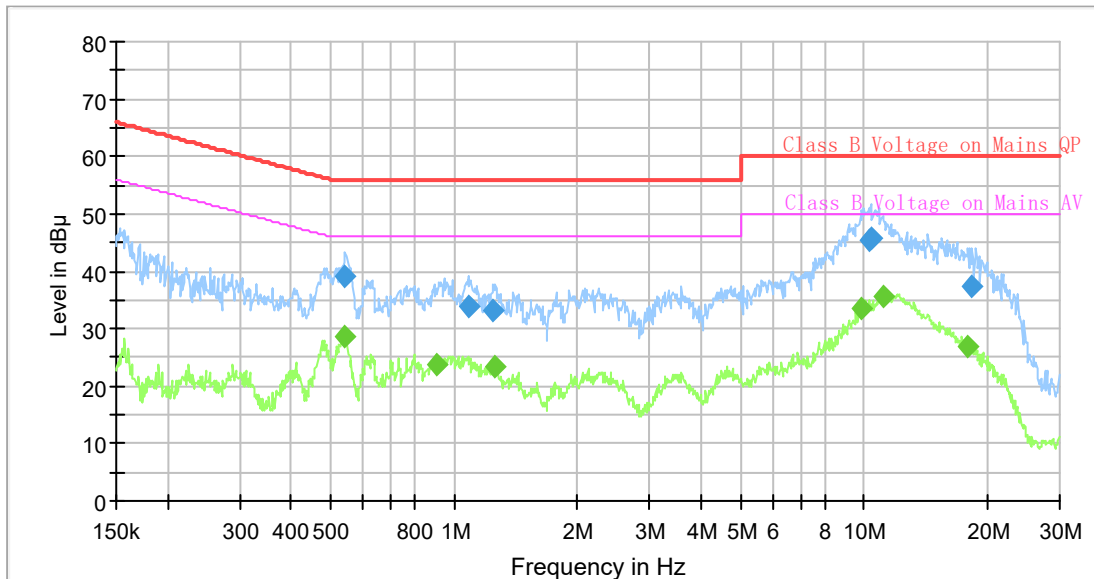
Environmental Conditions

Temperature:	25.3°C
Relative Humidity:	60%
ATM Pressure:	99.7kPa
Tester:	Walker Chen
Test Date:	2021-08-04

Test Result: Compliance.

Test Mode: Transmitting (802.11a 5240MHz was the worst)

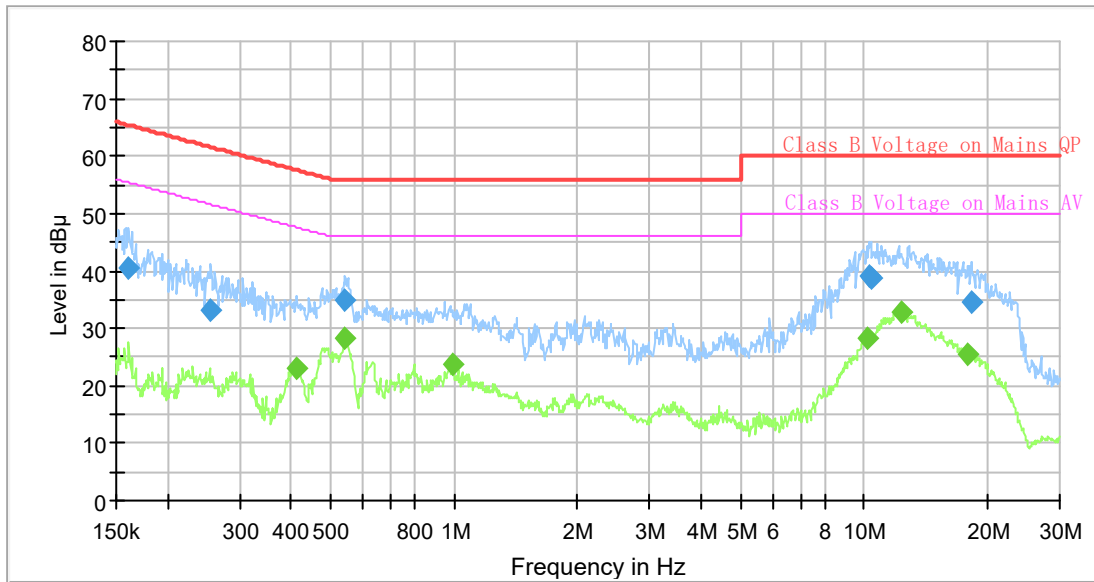
AC120 V, 60 Hz, Line:



Final Result

Frequency (MHz)	QuasiPeak (dB μV)	Average (dB μV)	Limit (dB μV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.537778	---	28.72	46.00	17.28	9.000	L1	9.6
0.543169	39.18	---	56.00	16.82	9.000	L1	9.6
0.903386	---	23.82	46.00	22.18	9.000	L1	9.7
1.086470	34.02	---	56.00	21.98	9.000	L1	9.7
1.249302	33.11	---	56.00	22.89	9.000	L1	9.7
1.261826	---	23.27	46.00	22.73	9.000	L1	9.7
9.898813	---	33.37	50.00	16.63	9.000	L1	9.9
10.250512	45.57	---	60.00	14.43	9.000	L1	9.9
10.405040	45.69	---	60.00	14.31	9.000	L1	9.9
11.102034	---	35.58	50.00	14.42	9.000	L1	9.9
17.831112	---	27.04	50.00	22.96	9.000	L1	10.1
18.372777	37.23	---	60.00	22.77	9.000	L1	10.0

AC120 V, 60 Hz, Neutral:



Final Result

Frequency (MHz)	QuasiPeak (dB µ V)	Average (dB µ V)	Limit (dB µ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.160848	40.46	---	65.42	24.96	9.000	N	9.6
0.255776	33.29	---	61.57	28.28	9.000	N	9.6
0.414923	---	23.11	47.55	24.44	9.000	N	9.6
0.543169	---	28.27	46.00	17.73	9.000	N	9.6
0.543169	34.81	---	56.00	21.19	9.000	N	9.6
0.998148	---	23.76	46.00	22.24	9.000	N	9.6
10.199515	---	28.35	50.00	21.65	9.000	N	9.7
10.250512	38.98	---	60.00	21.02	9.000	N	9.7
10.405040	38.81	---	60.00	21.19	9.000	N	9.7
12.327921	---	32.74	50.00	17.26	9.000	N	9.8
17.920267	---	25.61	50.00	24.39	9.000	N	9.9
18.281370	34.51	---	60.00	25.49	9.000	N	9.9

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

Applicable Standard

FCC §15.407; §15.209; §15.205;

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

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

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

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

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

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

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

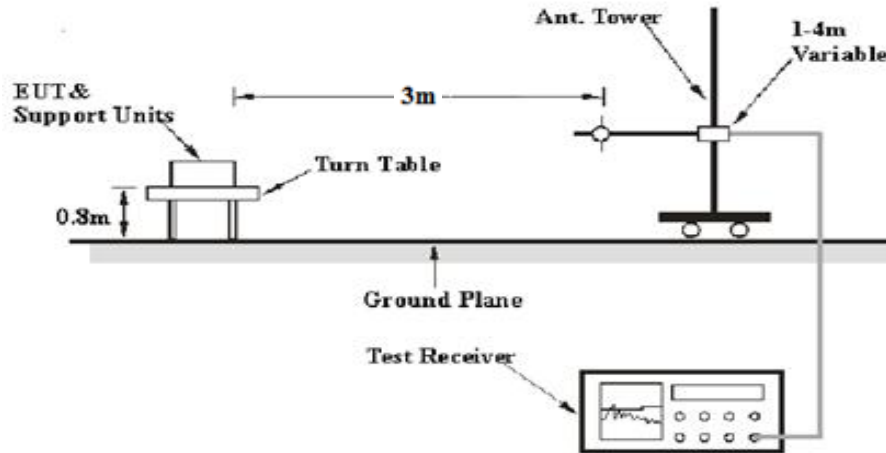
(5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

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

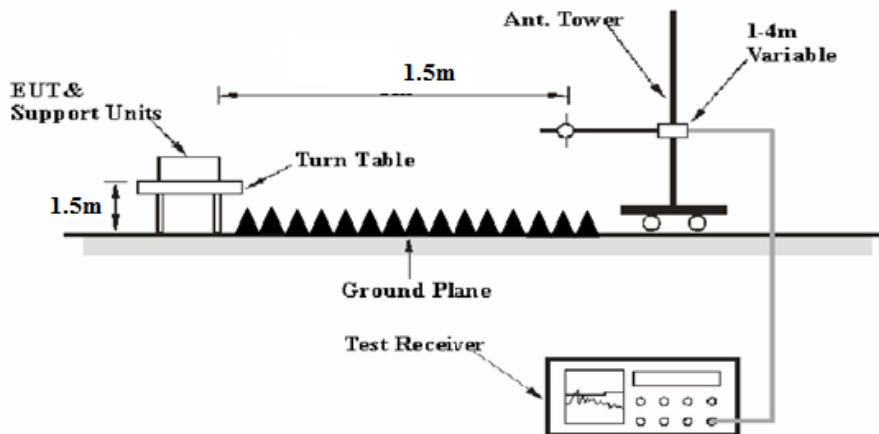
(7) The provisions of §15.205 apply to intentional radiators operating under this section.

EUT Setup

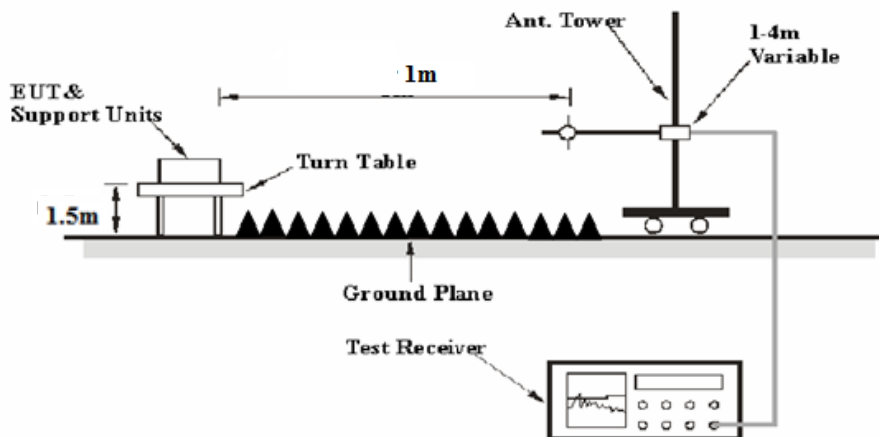
Below 1 GHz:



1-26.5 GHz:



26.5-40 GHz:



The radiated emission Below 1GHz tests were performed in the 3 meters chamber test site, above 1GHz tests were performed in the 3 meters chamber test site B, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.407 limits.

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

The spacing between the peripherals was 10 cm.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 40 GHz.

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

30-1000MHz:

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

1GHz- 40GHz:

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

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

Test Procedure

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

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 v02r01, 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 or 1m

Distance extrapolation Factor = $20 \log(\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB= 6.02 dB

or

Distance extrapolation Factor = $20 \log(\text{specific distance [3m]}/\text{test distance [1m]})$ dB= 9.54 dB

All emissions under the average limit and under the noise floor have not recorded in the report.

Corrected Amplitude & Margin Calculation

For the range 30MHz-1GHz, the Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

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

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

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

For the range 1GHz-40GHz, Test performed at 1.5m or 1m, the Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading and the Distance extrapolation Factor. The basic equation is as follows:

$$\begin{aligned} &\text{Corrected Amplitude} \\ &= \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain} - \text{Distance extrapolation factor} \end{aligned}$$

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:

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

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiation Below 1GHz Test					
Sunol Sciences	Antenna	JB3	A060611-1	2020-11-10	2023-11-10
R&S	EMI Test Receiver	ESR3	102453	2020-09-12	2021-09-12
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2021-05-06	2022-05-05
Sonoma	Amplifier	310N	372193	2021-07-18	2022-07-17
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
Radiation Above 1GHz Test					
ETS-Lindgren	Horn Antenna	3115	000 527 35	2018-10-12	2021-10-12
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-01 1304	2020-12-05	2023-12-04
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-01 1302	2020-12-05	2023-12-04
R&S	Spectrum Analyzer	FSV40	101474	2021-07-22	2022-07-21
Agilent	Spectrum Analyzer	E4440A	MY44303352	2021-04-25	2022-04-24
Unknown	Coaxial Cable	C-SJSJ-50	C-0800-01	2020-09-05	2021-09-05
Unknown	Coaxial Cable	C-2.4J2.4J-50	C-0700-02	2021-06-27	2022-06-26
Mini-Circuit	Amplifier	ZVA-213-S+	54201245	2020-09-05	2021-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2021-06-27	2022-06-26
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
Sinoscite	Bandstop Filters	BSF5150-5850MN- 0899-003	0899003	2021-05-06	2022-05-05
Mini Circuits	High Pass Filter	VHF-6010+	31118	2021-06-16	2022-06-15

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

Test Data**Environmental Conditions**

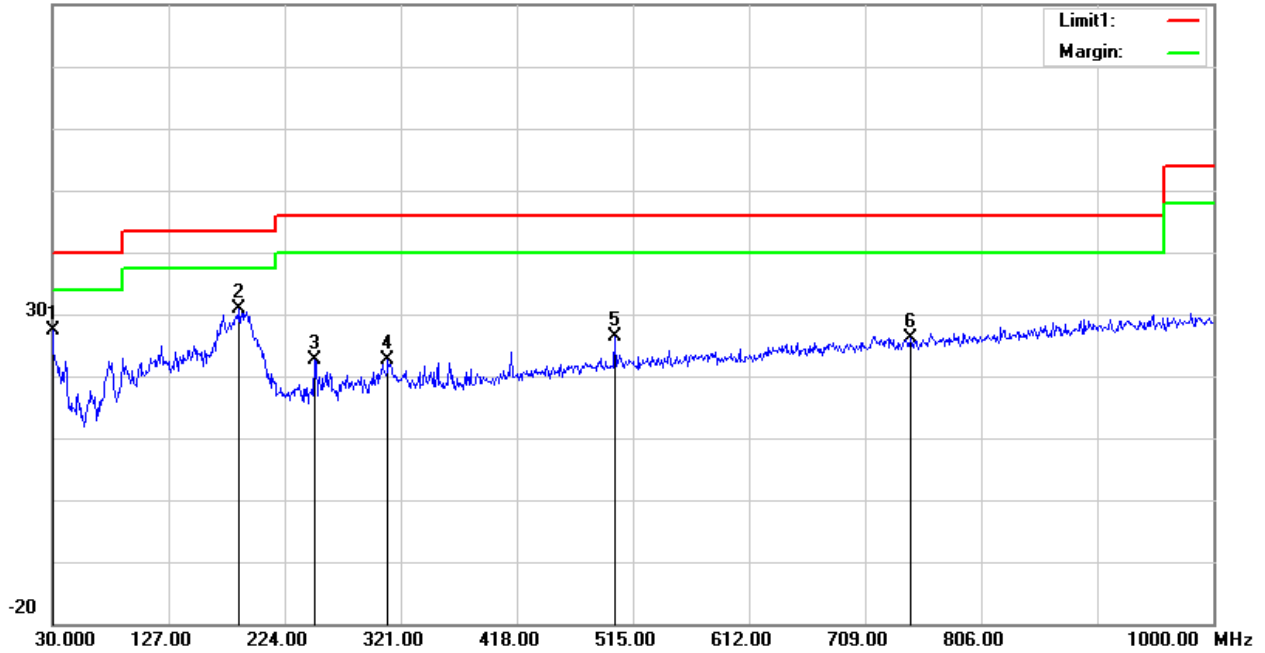
Test Items	Radiation Below 1GHz	Radiation Above 1GHz
Temperature:	26.5°C	37.9 °C
Relative Humidity:	52 %	42 %
ATM Pressure:	100.4 kPa	100.6kPa
Tester:	Johnson Huang	Wade Huang Lee Li
Test Date:	2021-08-12	2021-08-17

Test Mode: Transmitting

1) Below 1GHz(802.11a 5240 MHz was the worst):

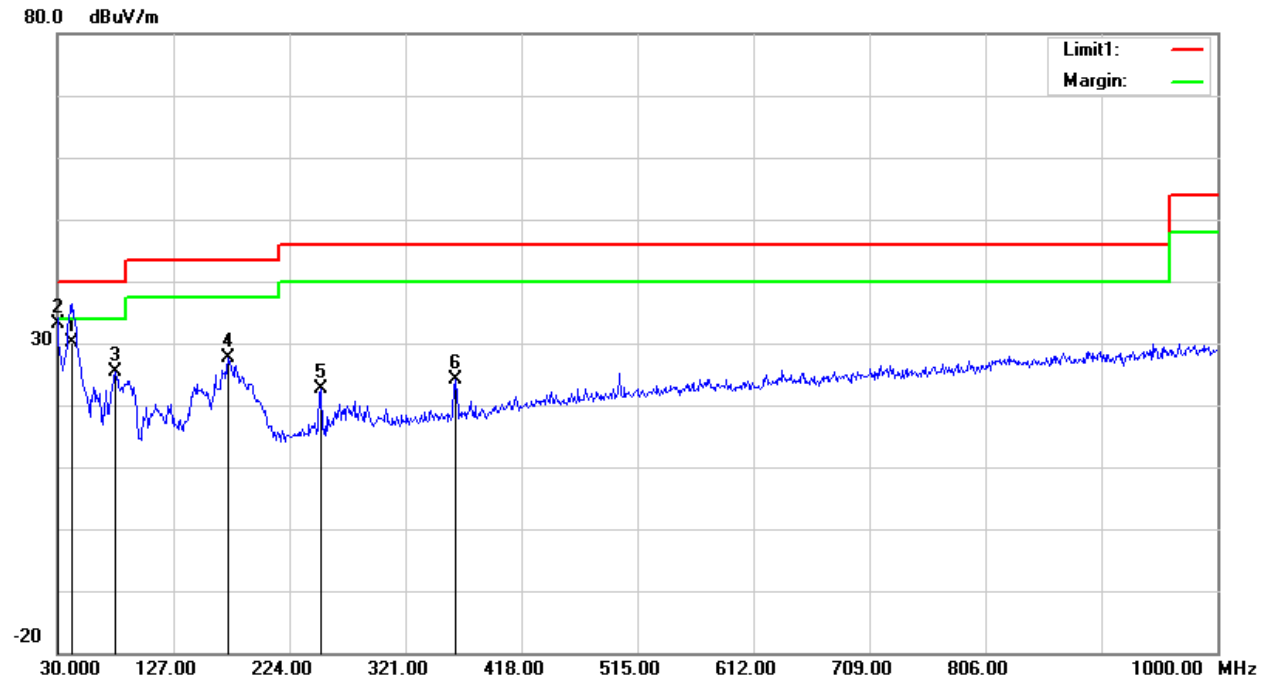
Horizontal:

80.0 dBuV/m



Frequency (MHz)	Receiver Reading (dBμV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
30.0000	30.99	peak	-3.49	27.50	40.00	12.50
186.1700	44.45	peak	-13.56	30.89	43.50	12.61
249.2200	35.32	peak	-12.61	22.71	46.00	23.29
310.3300	32.79	peak	-10.20	22.59	46.00	23.41
499.4800	31.98	peak	-5.70	26.28	46.00	19.72
746.8300	28.17	peak	-2.05	26.12	46.00	19.88

Vertical:



Frequency (MHz)	Receiver Reading (dBμV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
41.6400	42.40	QP	-12.22	30.18	40.00	9.82
30.0000	36.61	QP	-3.49	33.12	40.00	6.88
78.5000	42.05	peak	-16.71	25.34	40.00	14.66
172.5900	40.75	peak	-13.07	27.68	43.50	15.82
250.1900	35.25	peak	-12.65	22.60	46.00	23.40
362.7100	33.09	peak	-9.07	24.02	46.00	21.98

**2) 1GHz-40GHz:
5150-5250MHz
802.11a,**

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	Polar (H/V)	Factor (dB/m)						
Low Channel: 5180 MHz										
5180.00	70.48	PK	H	33.59	3.58	0.00	107.65	101.63	N/A	N/A
5180.00	60.55	AV	H	33.59	3.58	0.00	97.72	91.7	N/A	N/A
5180.00	71.68	PK	V	33.59	3.58	0.00	108.85	102.83	N/A	N/A
5180.00	61.45	AV	V	33.59	3.58	0.00	98.62	92.6	N/A	N/A
5150.00	30.73	PK	H	33.54	3.56	0.00	67.83	61.81	74.00	12.19
5150.00	15.41	AV	H	33.54	3.56	0.00	52.51	46.49	54.00	7.51
10360.00	36.90	PK	H	38.17	6.29	25.46	55.90	49.88	68.20	18.32
15540.00	37.09	PK	H	38.06	8.85	24.27	59.73	53.71	74.00	20.29
15540.00	24.12	AV	H	38.06	8.85	24.27	46.76	40.74	54.00	13.26
Middle Channel: 5200 MHz										
5200.00	66.32	PK	H	33.62	3.60	0.00	103.54	97.52	N/A	N/A
5200.00	56.37	AV	H	33.62	3.60	0.00	93.59	87.57	N/A	N/A
5200.00	71.18	PK	V	33.62	3.60	0.00	108.40	102.38	N/A	N/A
5200.00	61.82	AV	V	33.62	3.60	0.00	99.04	93.02	N/A	N/A
10400.00	35.65	PK	V	38.18	6.32	25.46	54.69	48.67	68.20	19.53
15600.00	36.21	PK	V	38.00	8.83	24.31	58.73	52.71	74.00	21.29
15600.00	23.36	AV	V	38.00	8.83	24.31	45.88	39.858	54.00	14.14
High Channel: 5240 MHz										
5240.00	67.41	PK	H	33.68	3.52	0.00	104.61	98.59	N/A	N/A
5240.00	57.34	AV	H	33.68	3.52	0.00	94.54	88.52	N/A	N/A
5240.00	71.98	PK	V	33.68	3.52	0.00	109.18	103.16	N/A	N/A
5240.00	61.96	AV	V	33.68	3.52	0.00	99.16	93.14	N/A	N/A
5350.00	27.31	PK	V	33.86	3.52	0.00	64.69	58.67	74.00	15.33
5350.00	15.21	AV	V	33.86	3.52	0.00	52.59	46.57	54.00	7.43
10480.00	35.71	PK	V	38.20	6.37	25.47	54.81	48.79	68.20	19.41
15720.00	36.52	PK	V	37.88	8.79	24.39	58.80	52.78	74.00	21.22
15720.00	23.57	AV	V	37.88	8.79	24.39	45.85	39.83	54.00	14.17

802.11n ht20:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dB μ V/m)	Extrapolation result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector	Polar (H/V)	Factor (dB/m)						
Low Channel: 5180 MHz										
5180.00	68.54	PK	H	33.59	3.58	0.00	105.71	99.69	N/A	N/A
5180.00	58.98	AV	H	33.59	3.58	0.00	96.15	90.13	N/A	N/A
5180.00	71.36	PK	V	33.59	3.58	0.00	108.53	102.51	N/A	N/A
5180.00	61.63	AV	V	33.59	3.58	0.00	98.80	92.78	N/A	N/A
5150.00	27.00	PK	V	33.54	3.56	0.00	64.10	58.08	74.00	15.92
5150.00	15.67	AV	V	33.54	3.56	0.00	52.77	46.75	54.00	7.25
10360.00	36.38	PK	V	38.17	6.29	25.46	55.38	49.36	68.20	18.84
15540.00	35.63	PK	V	38.06	8.85	24.27	58.27	52.25	74.00	21.75
15540.00	23.69	AV	V	38.06	8.85	24.27	46.33	40.31	54.00	13.69
Middle Channel: 5200 MHz										
5200.00	67.09	PK	H	33.62	3.60	0.00	104.31	98.29	N/A	N/A
5200.00	56.90	AV	H	33.62	3.60	0.00	94.12	88.1	N/A	N/A
5200.00	70.64	PK	V	33.62	3.60	0.00	107.86	101.84	N/A	N/A
5200.00	60.47	AV	V	33.62	3.60	0.00	97.69	91.67	N/A	N/A
10400.00	36.54	PK	V	38.18	6.32	25.46	55.58	49.56	68.20	18.64
15600.00	35.79	PK	V	38.00	8.83	24.31	58.31	52.29	74.00	21.71
15600.00	23.85	AV	V	38.00	8.83	24.31	46.37	40.35	54.00	13.65
High Channel: 5240 MHz										
5240.00	66.93	PK	H	33.68	3.52	0.00	104.13	98.11	N/A	N/A
5240.00	56.74	AV	H	33.68	3.52	0.00	93.94	87.92	N/A	N/A
5240.00	70.48	PK	V	33.68	3.52	0.00	107.68	101.66	N/A	N/A
5240.00	60.31	AV	V	33.68	3.52	0.00	97.51	91.49	N/A	N/A
5350.00	26.97	PK	V	33.86	3.52	0.00	64.35	58.33	74.00	15.67
5350.00	14.95	AV	V	33.86	3.52	0.00	52.33	46.31	54.00	7.69
10480.00	36.29	PK	V	38.20	6.37	25.47	55.39	49.37	68.20	18.83
15720.00	35.54	PK	V	37.88	8.79	24.39	57.82	51.8	74.00	22.20
15720.00	23.60	AV	V	37.88	8.79	24.39	45.88	39.86	54.00	14.14

802.11n ht40::

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	Polar (H/V)	Factor (dB/m)						
Low Channel: 5190 MHz										
5190.00	67.26	PK	H	33.60	3.59	0.00	104.45	98.43	N/A	N/A
5190.00	58.37	AV	H	33.60	3.59	0.00	95.56	89.54	N/A	N/A
5190.00	68.92	PK	V	33.60	3.59	0.00	106.11	100.09	N/A	N/A
5190.00	59.71	AV	V	33.60	3.59	0.00	96.90	90.88	N/A	N/A
5150.00	27.33	PK	V	33.54	3.56	0.00	64.43	58.41	74.00	15.59
5150.00	16.18	AV	V	33.54	3.56	0.00	53.28	47.26	54.00	6.74
10380.00	35.63	PK	V	38.18	6.31	25.46	54.66	48.64	68.20	19.56
15570.00	36.27	PK	V	38.03	8.84	24.29	58.85	52.83	74.00	21.17
15570.00	24.19	AV	V	38.03	8.84	24.29	46.77	40.75	54.00	13.25
High Channel: 5230 MHz										
5230.00	62.66	PK	H	33.67	3.54	0.00	99.87	93.85	N/A	N/A
5230.00	52.41	AV	H	33.67	3.54	0.00	89.62	83.6	N/A	N/A
5230.00	67.14	PK	V	33.67	3.54	0.00	104.35	98.33	N/A	N/A
5230.00	57.74	AV	V	33.67	3.54	0.00	94.95	88.93	N/A	N/A
5350.00	27.89	PK	V	33.86	3.52	0.00	65.27	59.25	74.00	14.75
5350.00	15.86	AV	V	33.86	3.52	0.00	53.24	47.22	54.00	6.78
10460.00	35.69	PK	V	38.19	6.36	25.47	54.77	48.75	68.20	19.45
15690.00	36.33	PK	V	37.91	8.80	24.37	58.67	52.65	74.00	21.35
15690.00	24.25	AV	V	37.91	8.80	24.37	46.59	40.57	54.00	13.43

802.11ac vht80:

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	Polar (H/V)	Factor (Db/m)						
Middle Channel: 5210 MHz										
5210.00	63.52	PK	H	33.64	3.58	0.00	100.74	94.72	N/A	N/A
5210.00	53.02	AV	H	33.64	3.58	0.00	90.24	84.22	N/A	N/A
5210.00	64.25	PK	V	33.64	3.58	0.00	101.47	95.45	N/A	N/A
5210.00	54.91	AV	V	33.64	3.58	0.00	92.13	86.11	N/A	N/A
5150.00	30.88	PK	V	33.54	3.56	0.00	67.98	61.96	74.00	12.04
5150.00	20.01	AV	V	33.54	3.56	0.00	57.11	51.09	54.00	2.91
5350.00	27.22	PK	V	33.86	3.52	0.00	64.60	58.58	74.00	15.42
5350.00	16.32	AV	V	33.86	3.52	0.00	53.70	47.68	54.00	6.32
10420.00	36.19	PK	V	38.18	6.33	25.47	55.23	49.21	68.20	18.99
15630.00	36.27	PK	V	37.97	8.82	24.33	58.73	52.71	74.00	21.29
15630.00	25.34	AV	V	37.97	8.82	24.33	47.80	41.78	54.00	12.22

**5250-5350MHz:
802.11a**

Frequency MHz	Receiver		Rx Antenna		Cable loss dB	Amplifier Gain dB	Corrected Amplitude dB μ V/m	Extrapolation result dB μ V/m	Limit dB μ V/m	Margin dB
	Reading dB μ V	Detector PK/QP/AV	Polar H/V	Factor dB/m						
Low Channel: 5260 MHz										
5260.00	66.59	PK	H	33.72	3.49	0.00	103.80	97.78	N/A	N/A
5260.00	56.41	AV	H	33.72	3.49	0.00	93.62	87.6	N/A	N/A
5260.00	70.03	PK	V	33.72	3.49	0.00	107.24	101.22	N/A	N/A
5260.00	60.27	AV	V	33.72	3.49	0.00	97.48	91.46	N/A	N/A
5150.00	28.61	PK	V	33.54	3.56	0.00	65.71	59.69	74.00	14.31
5150.00	14.92	AV	V	33.54	3.56	0.00	52.02	46	54.00	8.00
10520.00	35.52	PK	V	38.21	6.39	25.47	54.65	48.63	68.20	19.57
15780.00	36.02	PK	V	37.82	8.76	24.42	58.18	52.16	74.00	21.84
15780.00	24.63	AV	V	37.82	8.76	24.42	46.79	40.77	54.00	13.23
Middle Channel: 5280 MHz										
5280.00	65.51	PK	H	33.75	3.45	0.00	102.71	96.69	N/A	N/A
5280.00	55.27	AV	H	33.75	3.45	0.00	92.47	86.45	N/A	N/A
5280.00	69.48	PK	V	33.75	3.45	0.00	106.68	100.66	N/A	N/A
5280.00	59.21	AV	V	33.75	3.45	0.00	96.41	90.39	N/A	N/A
10560.00	35.35	PK	V	38.24	6.40	25.47	54.52	48.5	68.20	19.70
15840.00	35.85	PK	V	37.76	8.74	24.46	57.89	51.87	74.00	22.13
15840.00	24.46	AV	V	37.76	8.74	24.46	46.50	40.48	54.00	13.52
High Channel: 5320 MHz										
5320.00	64.94	PK	H	33.81	3.45	0.00	102.20	96.18	N/A	N/A
5320.00	54.71	AV	H	33.81	3.45	0.00	91.97	85.95	N/A	N/A
5320.00	68.91	PK	V	33.81	3.45	0.00	106.17	100.15	N/A	N/A
5320.00	58.64	AV	V	33.81	3.45	0.00	95.90	89.88	N/A	N/A
5350.00	26.58	PK	V	33.86	3.52	0.00	63.96	57.94	74.00	16.06
5350.00	14.82	AV	V	33.86	3.52	0.00	52.20	46.18	54.00	7.82
10640.00	36.26	PK	V	38.28	6.43	25.46	55.51	49.49	74.00	24.51
10640.00	24.63	AV	V	38.28	6.43	25.46	43.88	37.86	54.00	16.14
15960.00	36.17	PK	V	37.64	8.70	24.54	57.97	51.95	74.00	22.05

802.11n ht20:

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/m						
Low Channel: 5260 MHz										
5260.00	65.21	PK	H	33.72	3.49	0.00	102.42	96.4	N/A	N/A
5260.00	55.89	AV	H	33.72	3.49	0.00	93.10	87.08	N/A	N/A
5260.00	68.52	PK	V	33.72	3.49	0.00	105.73	99.71	N/A	N/A
5260.00	58.69	AV	V	33.72	3.49	0.00	95.90	89.88	N/A	N/A
5150.00	26.58	PK	V	33.54	3.56	0.00	63.68	57.66	74.00	16.34
5150.00	14.96	AV	V	33.54	3.56	0.00	52.06	46.04	54.00	7.96
10520.00	36.71	PK	V	38.21	6.39	25.47	55.84	49.82	68.20	18.38
15780.00	37.11	PK	V	37.82	8.76	24.42	59.27	53.25	74.00	20.75
15780.00	24.97	AV	V	37.82	8.76	24.42	47.13	41.11	54.00	12.89
Middle Channel: 5280 MHz										
5280.00	64.42	PK	H	33.75	3.45	0.00	101.62	95.6	N/A	N/A
5280.00	54.63	AV	H	33.75	3.45	0.00	91.83	85.81	N/A	N/A
5280.00	68.48	PK	V	33.75	3.45	0.00	105.68	99.66	N/A	N/A
5280.00	58.51	AV	V	33.75	3.45	0.00	95.71	89.69	N/A	N/A
10560.00	36.85	PK	V	38.24	6.40	25.47	56.02	50	68.20	18.20
15840.00	37.25	PK	V	37.76	8.74	24.46	59.29	53.27	74.00	20.73
15840.00	25.04	AV	V	37.76	8.74	24.46	47.08	41.06	54.00	12.94
High Channel: 5320 MHz										
5320.00	64.15	PK	H	33.81	3.45	0.00	101.41	95.39	N/A	N/A
5320.00	54.36	AV	H	33.81	3.45	0.00	91.62	85.6	N/A	N/A
5320.00	68.21	PK	V	33.81	3.45	0.00	105.47	99.45	N/A	N/A
5320.00	58.24	AV	V	33.81	3.45	0.00	95.50	89.48	N/A	N/A
5350.00	26.35	PK	V	33.86	3.52	0.00	63.73	57.71	74.00	16.29
5350.00	14.29	AV	V	33.86	3.52	0.00	51.67	45.65	54.00	8.35
10640.00	36.09	PK	V	38.28	6.43	25.46	55.34	49.32	74.00	24.68
10640.00	24.03	AV	V	38.28	6.43	25.46	43.28	37.26	54.00	16.74
15960.00	36.24	PK	V	37.64	8.70	24.54	58.04	52.02	74.00	21.98
15960.00	24.09	AV	V	37.64	8.70	24.54	45.89	39.87	54.00	14.13

802.11n ht40:

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/m						
Low Channel: 5270 MHz										
5270.00	63.20	PK	H	33.73	3.47	0.00	100.40	94.38	N/A	N/A
5270.00	53.68	AV	H	33.73	3.47	0.00	90.88	84.86	N/A	N/A
5270.00	68.36	PK	V	33.73	3.47	0.00	105.56	99.54	N/A	N/A
5270.00	58.45	AV	V	33.73	3.47	0.00	95.65	89.63	N/A	N/A
5150.00	28.96	PK	V	33.54	3.56	0.00	66.06	60.04	74.00	13.96
5150.00	15.98	AV	V	33.54	3.56	0.00	53.08	47.06	54.00	6.94
10540.00	35.63	PK	V	38.22	6.40	25.47	54.78	48.76	68.20	19.44
15810.00	36.27	PK	V	37.79	8.75	24.44	58.37	52.35	74.00	21.65
15810.00	24.19	AV	V	37.79	8.75	24.44	46.29	40.27	54.00	13.73
High Channel: 5310 MHz										
5310.00	62.39	PK	H	33.80	3.43	0.00	99.62	93.6	N/A	N/A
5310.00	52.17	AV	H	33.80	3.43	0.00	89.40	83.38	N/A	N/A
5310.00	66.46	PK	V	33.80	3.43	0.00	103.69	97.67	N/A	N/A
5310.00	56.82	AV	V	33.80	3.43	0.00	94.05	88.03	N/A	N/A
5350.00	31.58	PK	V	33.86	3.52	0.00	68.96	62.94	74.00	11.06
5350.00	17.15	AV	V	33.86	3.52	0.00	54.53	48.51	54.00	5.49
10620.00	36.25	PK	V	38.27	6.43	25.47	55.48	49.46	74.00	24.54
10620.00	24.19	AV	V	38.27	6.43	25.47	43.42	37.4	54.00	16.60
15930.00	36.27	PK	V	37.67	8.71	24.52	58.13	52.11	74.00	21.89
15930.00	24.08	AV	V	37.67	8.71	24.52	45.94	39.92	54.00	14.08

802.11ac vht80:

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/m						
Low Channel: 5290 MHz										
5290.00	60.35	PK	H	33.76	3.43	0.00	97.54	91.52	N/A	N/A
5290.00	50.27	AV	H	33.76	3.43	0.00	87.46	81.44	N/A	N/A
5290.00	65.04	PK	V	33.76	3.43	0.00	102.23	96.21	N/A	N/A
5290.00	55.15	AV	V	33.76	3.43	0.00	92.34	86.32	N/A	N/A
5150.00	27.55	PK	V	33.54	3.56	0.00	64.65	58.63	74.00	15.37
5150.00	16.52	AV	V	33.54	3.56	0.00	53.62	47.6	54.00	6.40
5350.00	29.54	PK	V	33.86	3.52	0.00	66.92	60.9	74.00	13.10
5350.00	17.56	AV	V	33.86	3.52	0.00	54.94	48.92	54.00	5.08
10580.00	36.33	PK	V	38.25	6.41	25.47	55.52	49.5	68.20	18.70
15870.00	36.07	PK	V	37.73	8.73	24.48	58.05	52.03	74.00	21.97
15870.00	25.42	AV	V	37.73	8.73	24.48	47.40	41.38	54.00	12.62

**5470-5725MHz:
802.11a**

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/m						
Low Channel: 5500 MHz										
5500.00	65.17	PK	H	34.10	3.54	0.00	102.81	96.79	N/A	N/A
5500.00	55.32	AV	H	34.10	3.54	0.00	92.96	86.94	N/A	N/A
5500.00	68.06	PK	V	34.10	3.54	0.00	105.70	99.68	N/A	N/A
5500.00	58.11	AV	V	34.10	3.54	0.00	95.75	89.73	N/A	N/A
5470.00	27.73	PK	V	34.05	3.56	0.00	65.34	59.32	68.20	8.88
11000.00	36.06	PK	V	38.50	6.57	25.45	55.68	49.66	74.00	24.34
11000.00	25.46	AV	V	38.50	6.57	25.45	45.08	39.06	54.00	14.94
16500.00	35.48	PK	V	38.20	8.63	24.27	58.04	52.02	68.20	16.18
Middle Channel: 5600 MHz										
5600.00	65.44	PK	H	34.14	3.57	0.00	103.15	97.13	N/A	N/A
5600.00	55.59	AV	H	34.14	3.57	0.00	93.30	87.28	N/A	N/A
5600.00	68.33	PK	V	34.14	3.57	0.00	106.04	100.02	N/A	N/A
5600.00	58.38	AV	V	34.14	3.57	0.00	96.09	90.07	N/A	N/A
11200.00	36.33	PK	V	38.70	6.58	25.47	56.14	50.12	74.00	23.88
11200.00	25.71	AV	V	38.70	6.58	25.47	45.52	39.5	54.00	14.50
16800.00	35.75	PK	V	39.40	8.68	24.08	59.75	53.73	68.20	14.47
High Channel: 5700 MHz										
5700.00	65.68	PK	H	34.18	3.68	0.00	103.54	97.52	N/A	N/A
5700.00	55.27	AV	H	34.18	3.68	0.00	93.13	87.11	N/A	N/A
5700.00	66.46	PK	V	34.18	3.68	0.00	104.32	98.3	N/A	N/A
5700.00	56.78	AV	V	34.18	3.68	0.00	94.64	88.62	N/A	N/A
5725.00	27.72	PK	V	34.19	3.69	0.00	65.60	59.58	68.20	8.62
11400.00	35.90	PK	V	38.90	6.59	25.50	55.89	49.87	74.00	24.13
11400.00	25.34	AV	V	38.90	6.59	25.50	45.33	39.31	54.00	14.69
17100.00	35.32	PK	V	40.78	8.75	23.85	61.00	54.98	68.20	13.22

802.11n ht20:

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/m						
Low Channel: 5500 MHz										
5500.00	64.58	PK	H	34.10	3.54	0.00	102.22	96.2	N/A	N/A
5500.00	55.04	AV	H	34.10	3.54	0.00	92.68	86.66	N/A	N/A
5500.00	66.85	PK	V	34.10	3.54	0.00	104.49	98.47	N/A	N/A
5500.00	57.63	AV	V	34.10	3.54	0.00	95.27	89.25	N/A	N/A
5470.00	27.36	PK	V	34.05	3.56	0.00	64.97	58.95	68.20	9.25
11000.00	36.06	PK	V	38.50	6.57	25.45	55.68	49.66	74.00	24.34
11000.00	24.93	AV	V	38.50	6.57	25.45	44.55	38.53	54.00	15.47
16500.00	36.24	PK	V	38.20	8.63	24.27	58.80	52.78	68.20	15.42
Middle Channel: 5600 MHz										
5600.00	64.38	PK	H	34.14	3.57	0.00	102.09	96.07	N/A	N/A
5600.00	54.78	AV	H	34.14	3.57	0.00	92.49	86.47	N/A	N/A
5600.00	66.22	PK	V	34.14	3.57	0.00	103.93	97.91	N/A	N/A
5600.00	56.47	AV	V	34.14	3.57	0.00	94.18	88.16	N/A	N/A
11200.00	35.93	PK	V	38.70	6.58	25.47	55.74	49.72	74.00	24.28
11200.00	24.77	AV	V	38.70	6.58	25.47	44.58	38.56	54.00	15.44
16800.00	36.08	PK	V	39.40	8.68	24.08	60.08	54.06	68.20	14.14
High Channel: 5700 MHz										
5700.00	64.55	PK	H	34.18	3.68	0.00	102.41	96.39	N/A	N/A
5700.00	54.95	AV	H	34.18	3.68	0.00	92.81	86.79	N/A	N/A
5700.00	66.39	PK	V	34.18	3.68	0.00	104.25	98.23	N/A	N/A
5700.00	56.64	AV	V	34.18	3.68	0.00	94.50	88.48	N/A	N/A
5725.00	28.33	PK	V	34.19	3.69	0.00	66.21	60.19	68.20	8.01
11400.00	36.22	PK	V	38.90	6.59	25.50	56.21	50.19	74.00	23.81
11400.00	25.09	AV	V	38.90	6.59	25.50	45.08	39.06	54.00	14.94
17100.00	36.44	PK	V	40.78	8.75	23.85	62.12	56.1	68.20	12.10

802.11n ht40:

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/m						
Low Channel: 5510 MHz										
5510.00	61.03	PK	H	34.10	3.54	0.00	98.67	92.65	N/A	N/A
5510.00	51.12	AV	H	34.10	3.54	0.00	88.76	82.74	N/A	N/A
5510.00	65.34	PK	V	34.10	3.54	0.00	102.98	96.96	N/A	N/A
5510.00	55.41	AV	V	34.10	3.54	0.00	93.05	87.03	N/A	N/A
5470.00	31.87	PK	V	34.05	3.56	0.00	69.48	63.46	68.20	4.74
11020.00	36.17	PK	V	38.52	6.57	25.45	55.81	49.79	74.00	24.21
11020.00	24.89	AV	V	38.52	6.57	25.45	44.53	38.51	54.00	15.49
16530.00	36.18	PK	V	38.32	8.64	24.25	58.89	52.87	68.20	15.33
Middle Channel: 5590 MHz										
5590.00	63.17	PK	H	34.14	3.57	0.00	100.88	94.86	N/A	N/A
5590.00	53.34	AV	H	34.14	3.57	0.00	91.05	85.03	N/A	N/A
5590.00	65.22	PK	V	34.14	3.57	0.00	102.93	96.91	N/A	N/A
5590.00	55.41	AV	V	34.14	3.57	0.00	93.12	87.1	N/A	N/A
11180.00	36.24	PK	V	38.68	6.58	25.47	56.03	50.01	74.00	23.99
11180.00	25.16	AV	V	38.68	6.58	25.47	44.95	38.93	54.00	15.07
16770.00	36.24	PK	V	39.28	8.68	24.10	60.10	54.08	68.20	14.12
High Channel: 5670 MHz										
5670.00	61.01	PK	H	34.17	3.65	0.00	98.83	92.81	N/A	N/A
5670.00	51.23	AV	H	34.17	3.65	0.00	89.05	83.03	N/A	N/A
5670.00	64.75	PK	V	34.17	3.65	0.00	102.57	96.55	N/A	N/A
5670.00	54.81	AV	V	34.17	3.65	0.00	92.63	86.61	N/A	N/A
5725.00	27.51	PK	V	34.19	3.69	0.00	65.39	59.37	68.20	8.83
11340.00	36.28	PK	V	38.84	6.58	25.49	56.21	50.19	74.00	23.81
11340.00	25.21	AV	V	38.84	6.58	25.49	45.14	39.12	54.00	14.88
17010.00	36.31	PK	V	40.26	8.72	23.94	61.35	55.33	68.20	12.87

802.11ac vht80:

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/m						
Low Channel: 5530 MHz										
5530.00	57.83	PK	H	34.11	3.55	0.00	95.49	89.47	N/A	N/A
5530.00	47.86	AV	H	34.11	3.55	0.00	85.52	79.5	N/A	N/A
5530.00	60.96	PK	V	34.11	3.55	0.00	98.62	92.6	N/A	N/A
5530.00	51.14	AV	V	34.11	3.55	0.00	88.80	82.78	N/A	N/A
5470.00	30.10	PK	V	34.05	3.56	0.00	67.71	61.69	68.20	6.51
11060.00	35.62	PK	V	38.56	6.57	25.46	55.29	49.27	74.00	24.73
11060.00	24.72	AV	V	38.56	6.57	25.46	44.39	38.37	54.00	15.63
16590.00	34.42	PK	V	38.56	8.65	24.21	57.42	51.4	68.20	16.80
High Channel: 5610 MHz										
5610.00	57.45	PK	H	34.14	3.58	0.00	95.17	89.15	N/A	N/A
5610.00	47.81	AV	H	34.14	3.58	0.00	85.53	79.51	N/A	N/A
5610.00	61.10	PK	V	34.14	3.58	0.00	98.82	92.8	N/A	N/A
5610.00	51.17	AV	V	34.14	3.58	0.00	88.89	82.87	N/A	N/A
5725.00	28.44	PK	V	34.19	3.69	0.00	66.32	60.3	68.20	7.90
11220.00	35.87	PK	V	38.72	6.58	25.48	55.69	49.67	74.00	24.33
11220.00	24.92	AV	V	38.72	6.58	25.48	44.74	38.72	54.00	15.28
16830.00	34.38	PK	V	39.52	8.69	24.06	58.53	52.51	68.20	15.69

**5725-5850MHz
802.11a**

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	Polar (H/V)	Factor (dB/m)						
Low Channel: 5745 MHz										
5745.00	61.82	PK	H	34.20	3.69	0.00	99.71	93.69	N/A	N/A
5745.00	51.93	AV	H	34.20	3.69	0.00	89.82	83.8	N/A	N/A
5745.00	66.49	PK	V	34.20	3.69	0.00	104.38	98.36	N/A	N/A
5745.00	56.71	AV	V	34.20	3.69	0.00	94.60	88.58	N/A	N/A
5725.00	28.94	PK	V	34.19	3.69	0.00	66.82	60.8	122.20	61.40
5720.00	27.15	PK	V	34.19	3.69	0.00	65.03	59.01	110.80	51.79
5700.00	26.34	PK	V	34.18	3.68	0.00	64.20	58.18	105.20	47.02
5650.00	26.28	PK	V	34.16	3.63	0.00	64.07	58.05	68.20	10.15
11490.00	36.81	PK	V	38.99	6.59	25.51	56.88	50.86	74.00	23.14
11490.00	26.84	AV	V	38.99	6.59	25.51	46.91	40.89	54.00	13.11
17235.00	34.17	PK	V	41.56	8.78	23.72	60.79	54.77	68.20	13.43
Middle Channel: 5785 MHz										
5785.00	62.92	PK	H	34.21	3.71	0.00	100.84	94.82	N/A	N/A
5785.00	53.04	AV	H	34.21	3.71	0.00	90.96	84.94	N/A	N/A
5785.00	65.56	PK	V	34.21	3.71	0.00	103.48	97.46	N/A	N/A
5785.00	55.78	AV	V	34.21	3.71	0.00	93.70	87.68	N/A	N/A
11570.00	35.91	PK	V	39.00	6.61	25.46	56.06	50.04	74.00	23.96
11570.00	26.03	AV	V	39.00	6.61	25.46	46.18	40.16	54.00	13.84
17355.00	34.27	PK	V	42.26	8.81	23.60	61.74	55.72	68.20	12.48
High Channel: 5825 MHz										
5825.00	62.64	PK	H	34.23	3.73	0.00	100.60	94.58	N/A	N/A
5825.00	52.72	AV	H	34.23	3.73	0.00	90.68	84.66	N/A	N/A
5825.00	66.02	PK	V	34.23	3.73	0.00	103.98	97.96	N/A	N/A
5825.00	56.14	AV	V	34.23	3.73	0.00	94.10	88.08	N/A	N/A
5850.00	27.00	PK	V	34.24	3.75	0.00	64.99	58.97	122.20	63.23
5855.00	26.25	PK	V	34.24	3.75	0.00	64.24	58.22	110.80	52.58
5875.00	25.87	PK	V	34.25	3.77	0.00	63.89	57.87	105.20	47.33
5925.00	25.16	PK	V	34.27	3.80	0.00	63.23	57.21	68.20	10.99
11650.00	35.61	PK	V	39.00	6.64	25.41	55.84	49.82	74.00	24.18
11650.00	24.81	AV	V	39.00	6.64	25.41	45.04	39.02	54.00	14.98
17475.00	34.28	PK	V	42.96	8.84	23.48	62.60	56.58	68.20	11.62

802.11n ht20:

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	Polar (H/V)	Factor (dB/m)						
Low Channel: 5745 MHz										
5745.00	62.21	PK	H	34.20	3.69	0.00	100.10	94.08	N/A	N/A
5745.00	52.43	AV	H	34.20	3.69	0.00	90.32	84.3	N/A	N/A
5745.00	65.17	PK	V	34.20	3.69	0.00	103.06	97.04	N/A	N/A
5745.00	55.21	AV	V	34.20	3.69	0.00	93.10	87.08	N/A	N/A
5725.00	34.35	PK	V	34.19	3.69	0.00	72.23	66.21	122.20	55.99
5720.00	26.84	PK	V	34.19	3.69	0.00	64.72	58.7	110.80	52.10
5700.00	26.78	PK	V	34.18	3.68	0.00	64.64	58.62	105.20	46.58
5650.00	25.74	PK	V	34.16	3.63	0.00	63.53	57.51	68.20	10.69
11490.00	35.78	PK	V	38.99	6.59	25.51	55.85	49.83	74.00	24.17
11490.00	24.66	AV	V	38.99	6.59	25.51	44.73	38.71	54.00	15.29
17235.00	33.84	PK	V	41.56	8.78	23.72	60.46	54.44	68.20	13.76
Middle Channel: 5785 MHz										
5785.00	63.49	PK	H	34.21	3.71	0.00	101.41	95.39	N/A	N/A
5785.00	53.61	AV	H	34.21	3.71	0.00	91.53	85.51	N/A	N/A
5785.00	65.31	PK	V	34.21	3.71	0.00	103.23	97.21	N/A	N/A
5785.00	55.37	AV	V	34.21	3.71	0.00	93.29	87.27	N/A	N/A
11570.00	36.11	PK	V	39.00	6.61	25.46	56.26	50.24	74.00	23.76
11570.00	24.83	AV	V	39.00	6.61	25.46	44.98	38.96	54.00	15.04
17355.00	33.96	PK	V	42.26	8.81	23.60	61.43	55.41	68.20	12.79
High Channel: 5825 MHz										
5825.00	63.00	PK	H	34.23	3.73	0.00	100.96	94.94	N/A	N/A
5825.00	52.84	AV	H	34.23	3.73	0.00	90.80	84.78	N/A	N/A
5825.00	66.39	PK	V	34.23	3.73	0.00	104.35	98.33	N/A	N/A
5825.00	56.28	AV	V	34.23	3.73	0.00	94.24	88.22	N/A	N/A
5850.00	26.90	PK	V	34.24	3.75	0.00	64.89	58.87	122.20	63.33
5855.00	27.08	PK	V	34.24	3.75	0.00	65.07	59.05	110.80	51.75
5875.00	26.16	PK	V	34.25	3.77	0.00	64.18	58.16	105.20	47.04
5925.00	28.32	PK	V	34.27	3.80	0.00	66.39	60.37	68.20	7.83
11650.00	36.28	PK	V	39.00	6.64	25.41	56.51	50.49	74.00	23.51
11650.00	25.11	AV	V	39.00	6.64	25.41	45.34	39.32	54.00	14.68
17475.00	34.47	PK	V	42.96	8.84	23.48	62.79	56.77	68.20	11.43

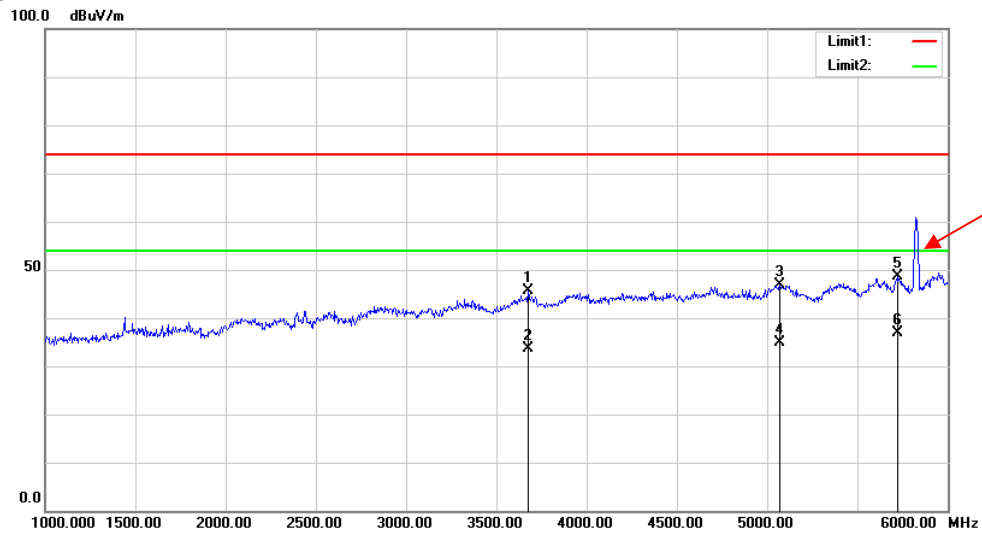
802.11n ht40:

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dB μ V/m)	Extrapolation result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector	Polar (H/V)	Factor (dB/m)						
Low Channel: 5755 MHz										
5755.00	60.52	PK	H	34.20	3.70	0.00	98.42	92.4	N/A	N/A
5755.00	50.46	AV	H	34.20	3.70	0.00	88.36	82.34	N/A	N/A
5755.00	63.49	PK	V	34.20	3.70	0.00	101.39	95.37	N/A	N/A
5755.00	53.52	AV	V	34.20	3.70	0.00	91.42	85.4	N/A	N/A
5725.00	30.51	PK	V	34.19	3.69	0.00	68.39	62.37	122.20	59.83
5720.00	27.79	PK	V	34.19	3.69	0.00	65.67	59.65	110.80	51.15
5700.00	26.34	PK	V	34.18	3.68	0.00	64.20	58.18	105.20	47.02
5650.00	26.05	PK	V	34.16	3.63	0.00	63.84	57.82	68.20	10.38
11510.00	35.88	PK	V	39.00	6.59	25.50	55.97	49.95	74.00	24.05
11510.00	24.16	AV	V	39.00	6.59	25.50	44.25	38.23	54.00	15.77
17265.00	34.57	PK	V	41.74	8.79	23.69	61.41	55.39	68.20	12.81
High Channel: 5795 MHz										
5795.00	59.79	PK	H	34.22	3.71	0.00	97.72	91.7	N/A	N/A
5795.00	49.72	AV	H	34.22	3.71	0.00	87.65	81.63	N/A	N/A
5795.00	63.21	PK	V	34.22	3.71	0.00	101.14	95.12	N/A	N/A
5795.00	53.10	AV	V	34.22	3.71	0.00	91.03	85.01	N/A	N/A
5850.00	27.32	PK	V	34.24	3.75	0.00	65.31	59.29	122.20	62.91
5855.00	26.28	PK	V	34.24	3.75	0.00	64.27	58.25	110.80	52.55
5875.00	26.15	PK	V	34.25	3.77	0.00	64.17	58.15	105.20	47.05
5925.00	26.76	PK	V	34.27	3.80	0.00	64.83	58.81	68.20	9.39
11590.00	36.02	PK	V	39.00	6.62	25.45	56.19	50.17	74.00	23.83
11590.00	24.86	AV	V	39.00	6.62	25.45	45.03	39.01	54.00	14.99
17385.00	35.16	PK	V	42.43	8.82	23.57	62.84	56.82	68.20	11.38

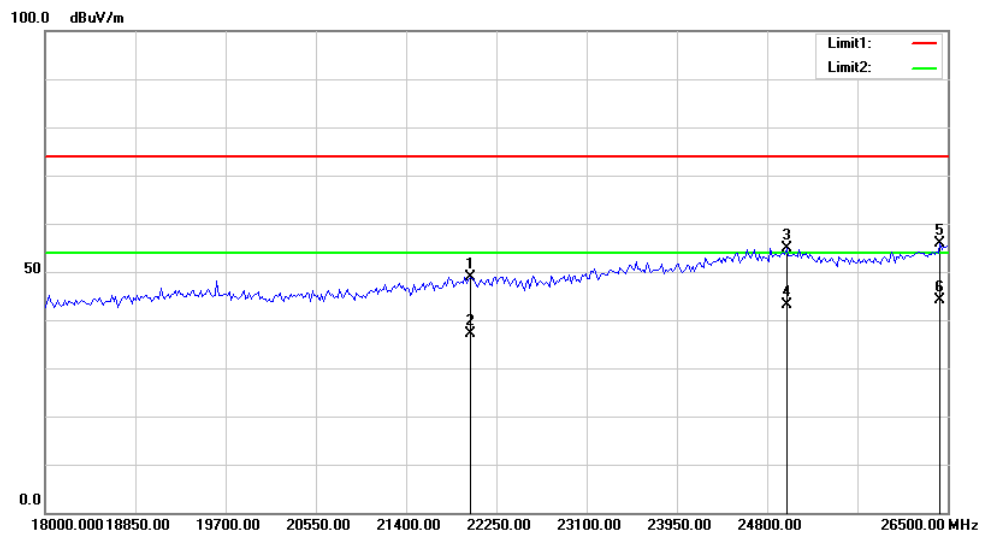
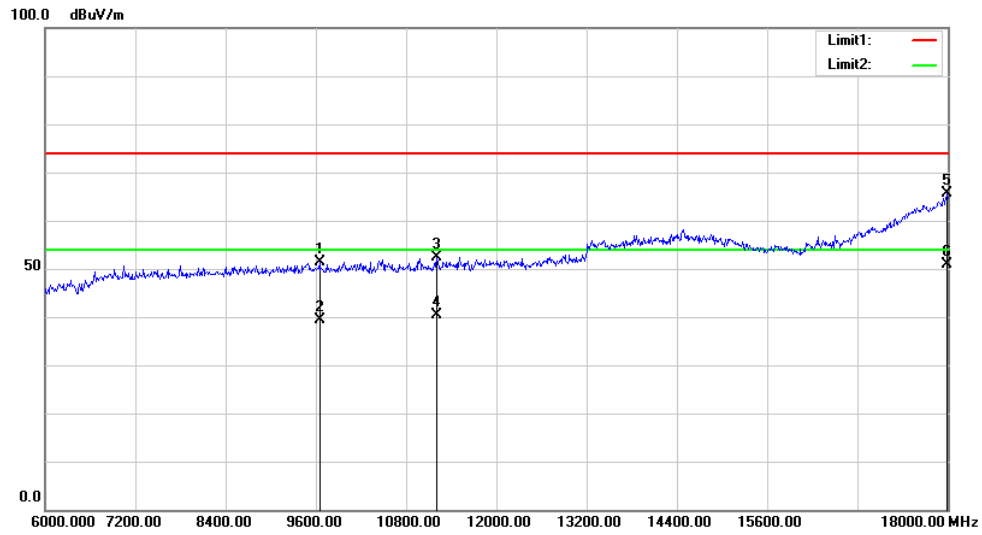
802.11ac vht80:

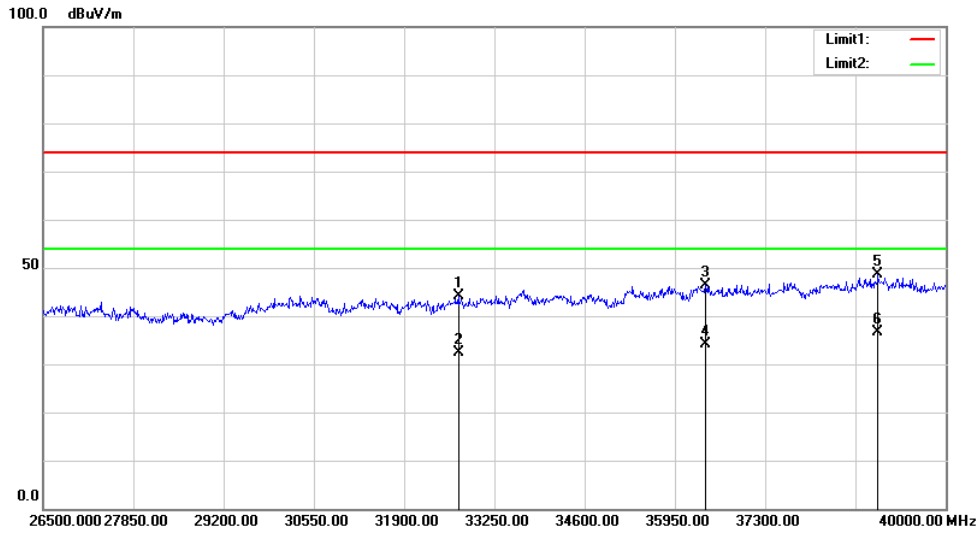
Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dB μ V/m)	Extrapolation result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector	Polar (H/V)	Factor (dB/m)						
Middle Channel: 5775 MHz										
5775.00	56.47	PK	H	34.21	3.70	0.00	94.38	88.36	N/A	N/A
5775.00	46.41	AV	H	34.21	3.70	0.00	84.32	78.3	N/A	N/A
5775.00	59.73	PK	V	34.21	3.70	0.00	97.64	91.62	N/A	N/A
5775.00	49.66	AV	V	34.21	3.70	0.00	87.57	81.55	N/A	N/A
5725.00	29.36	PK	V	34.19	3.69	0.00	67.24	61.22	122.20	60.98
5720.00	27.96	PK	V	34.19	3.69	0.00	65.84	59.82	110.80	50.98
5700.00	27.77	PK	V	34.18	3.68	0.00	65.63	59.61	105.20	45.59
5650.00	26.88	PK	V	34.16	3.63	0.00	64.67	58.65	68.20	9.55
5850.00	27.18	PK	V	34.24	3.75	0.00	65.17	59.15	122.20	63.05
5855.00	26.60	PK	V	34.24	3.75	0.00	64.59	58.57	110.80	52.23
5875.00	27.34	PK	V	34.25	3.77	0.00	65.36	59.34	105.20	45.86
5925.00	28.34	PK	V	34.27	3.80	0.00	66.41	60.39	68.20	7.81
11550.00	37.35	PK	V	39.00	6.61	25.48	57.48	51.46	74.00	22.54
11550.00	26.13	AV	V	39.00	6.61	25.48	46.26	40.24	54.00	13.76
17325.00	35.23	PK	V	42.09	8.80	23.63	62.49	56.47	68.20	11.73

Test Plots(802.11a mode 5240MHz was the worst)
Horizontal

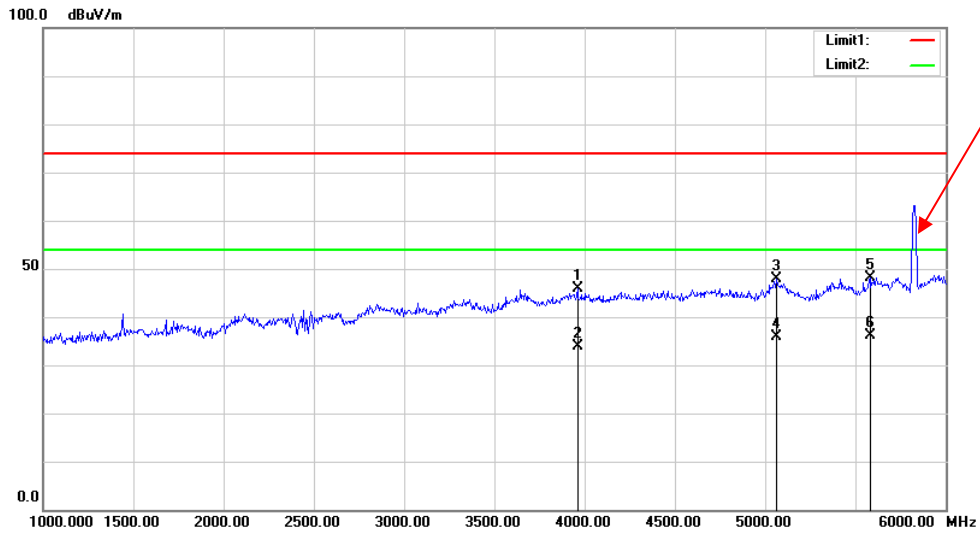


Fundamental Test with Band Rejection Filter

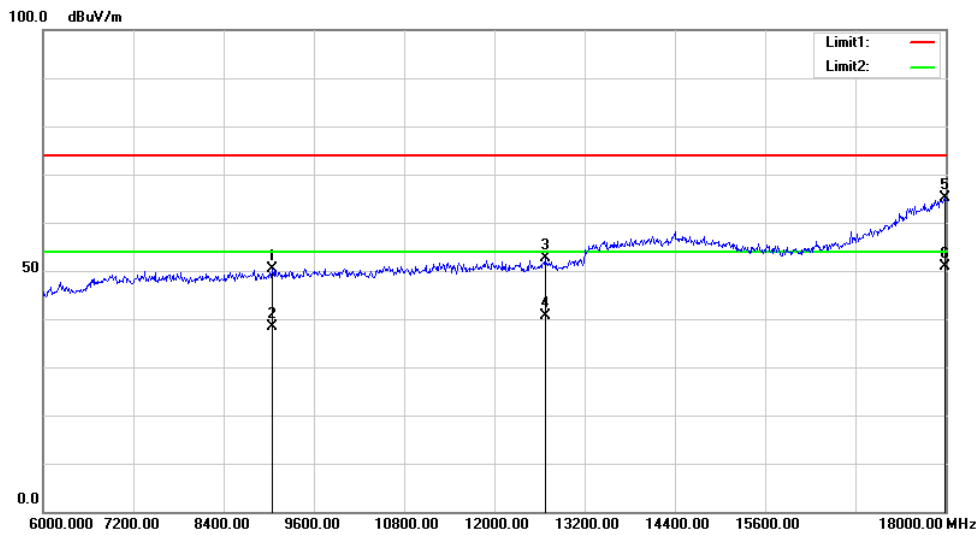


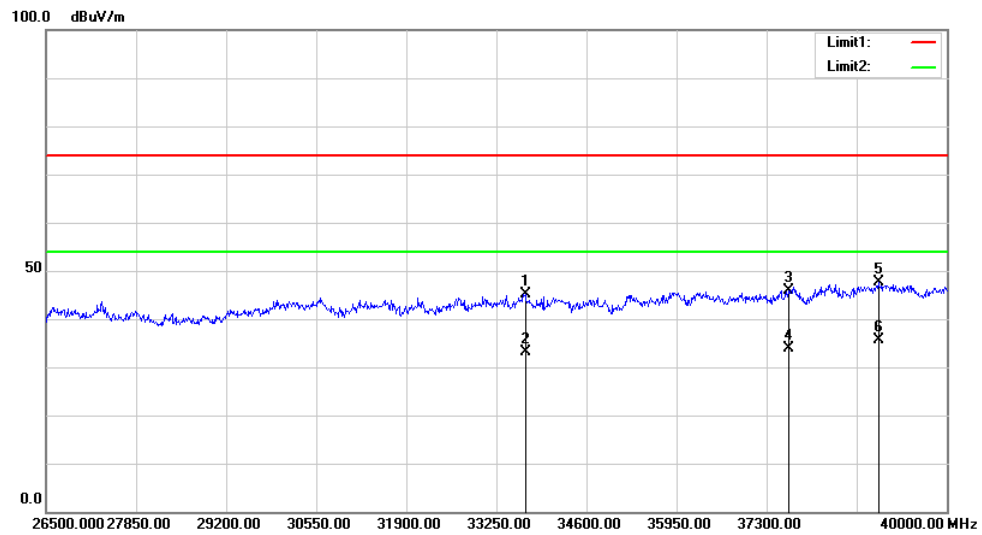
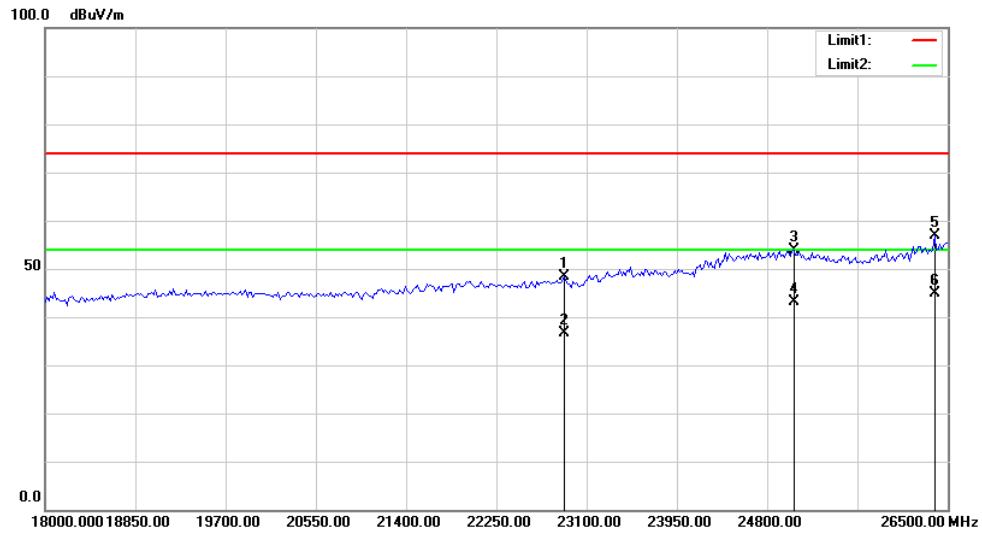


Vertical



Fundamental Test with Band Rejection Filter





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

Applicable Standard

15.407(a) (e).

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2021-07-07	2022-07-07
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A

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

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test Data

Environmental Conditions

Temperature:	28.1~28.3 °C
Relative Humidity:	51~62 %
ATM Pressure:	99.3~99.7 kPa
Test by:	Joe Qiao
Test Date:	2021-08-04~2021-08-05

Test Result: Pass.

Please refer to the following tables and plots.

Test mode: Transmitting

5150-5250MHz:

Mode	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11 a	5180	22.640	17.440
	5200	22.640	17.360
	5240	22.400	17.440
802.11n ht20	5180	22.800	18.320
	5200	22.960	18.320
	5240	22.800	18.320
802.11n ht40	5190	43.360	37.280
	5230	43.200	37.120
802.11ac vht80	5210	84.160	75.200

5250-5350MHz:

Mode	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11 a	5260	22.640	17.360
	5280	22.720	17.360
	5320	22.400	17.360
802.11n ht20	5260	23.040	18.320
	5280	23.040	18.320
	5320	22.960	18.320
802.11n ht40	5270	43.680	37.280
	5310	43.360	37.120
802.11ac vht80	5290	85.760	74.880

5470-5725 MHz:

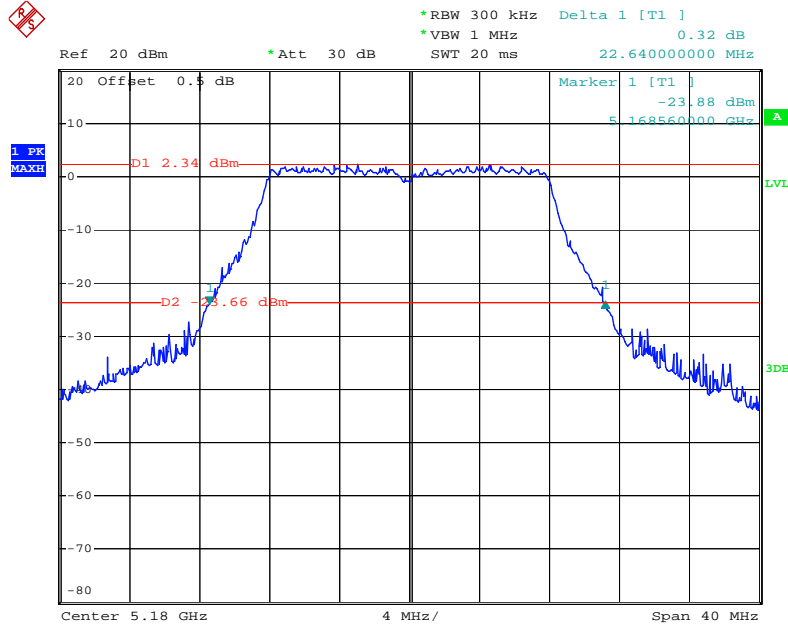
Mode	Frequency (MHz)	26 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11 a	5500	22.720	17.360
	5580	22.480	17.280
	5700	22.640	17.280
802.11n ht20	5500	23.120	18.320
	5580	22.800	18.240
	5700	22.880	18.240
802.11n ht40	5510	42.560	37.280
	5550	43.040	37.280
	5670	43.200	37.280
802.11ac vht80	5530	84.480	74.880
	5610	78.400	75.200
	5690	85.440	74.880

5725-5850MHz:

Mode	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	6 dB Emission Bandwidth Limits (MHz)	99% Occupied Bandwidth (MHz)
802.11 a	5180	16.480	≥0.5	17.360
	5200	16.480	≥0.5	17.360
	5240	16.480	≥0.5	17.360
802.11n ht20	5180	17.680	≥0.5	18.320
	5200	17.680	≥0.5	18.240
	5240	17.440	≥0.5	18.320
802.11n ht40	5190	35.520	≥0.5	37.120
	5230	35.520	≥0.5	37.120
802.11ac vht80	5210	75.520	≥0.5	75.200

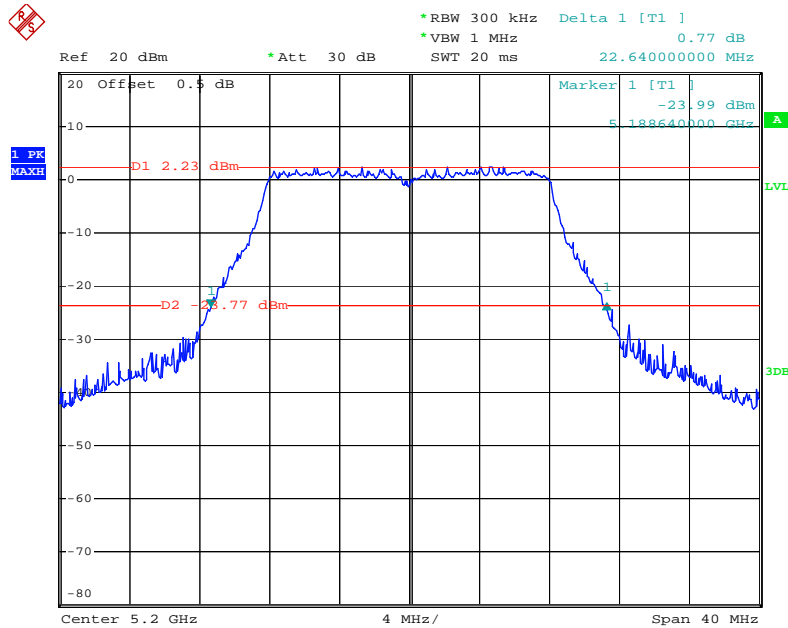
5150-5250MHz:
26dB Emission Bandwidth:

802.11a Low Channel



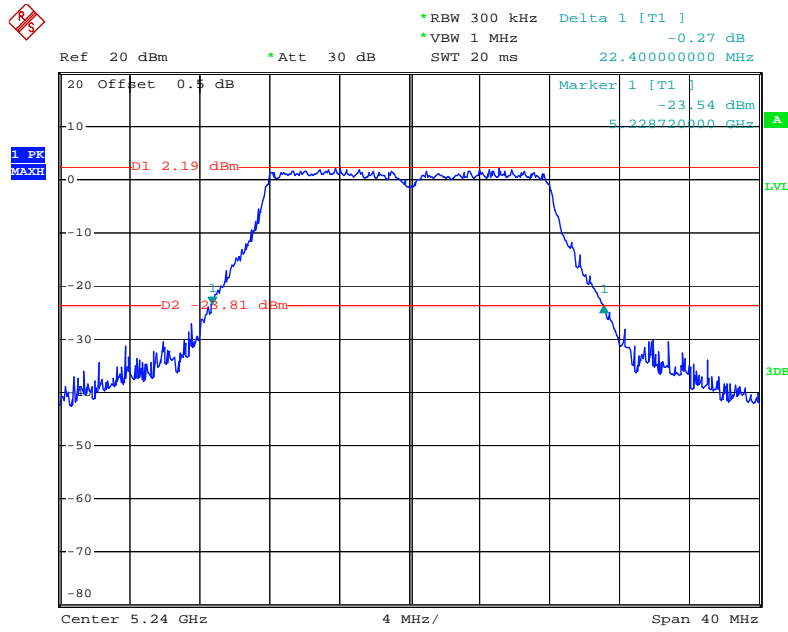
Date: 4.AUG.2021 10:21:07

802.11a Middle Channel



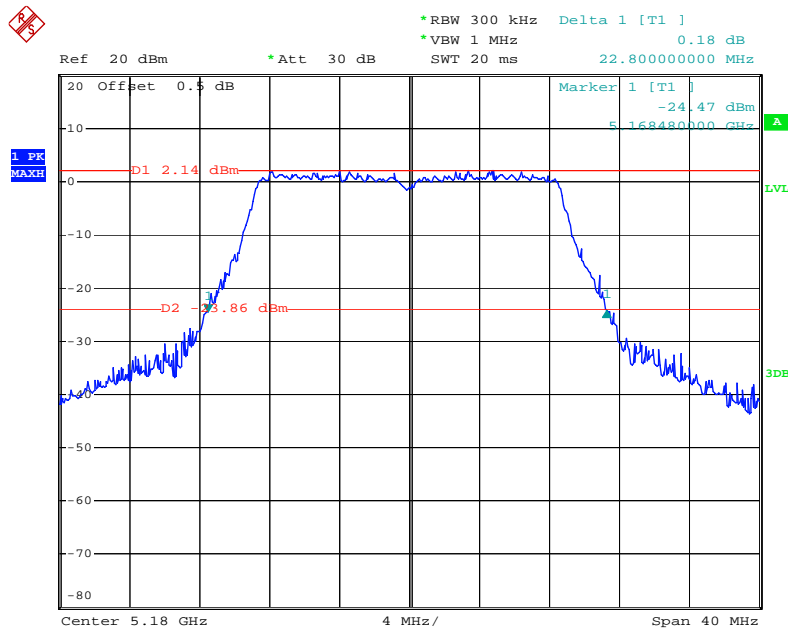
Date: 4.AUG.2021 10:23:15

802.11a High Channel



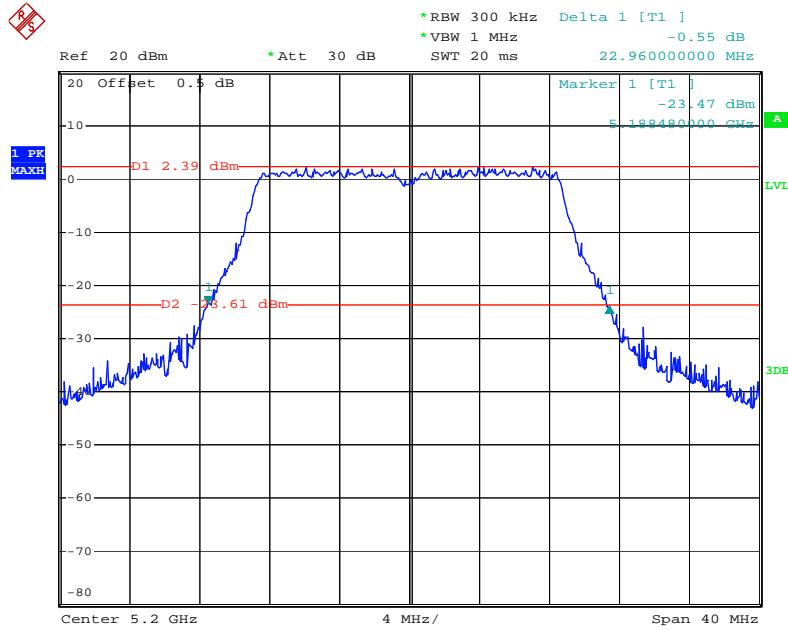
Date: 4.AUG.2021 10:24:20

802.11n ht20 Low Channel



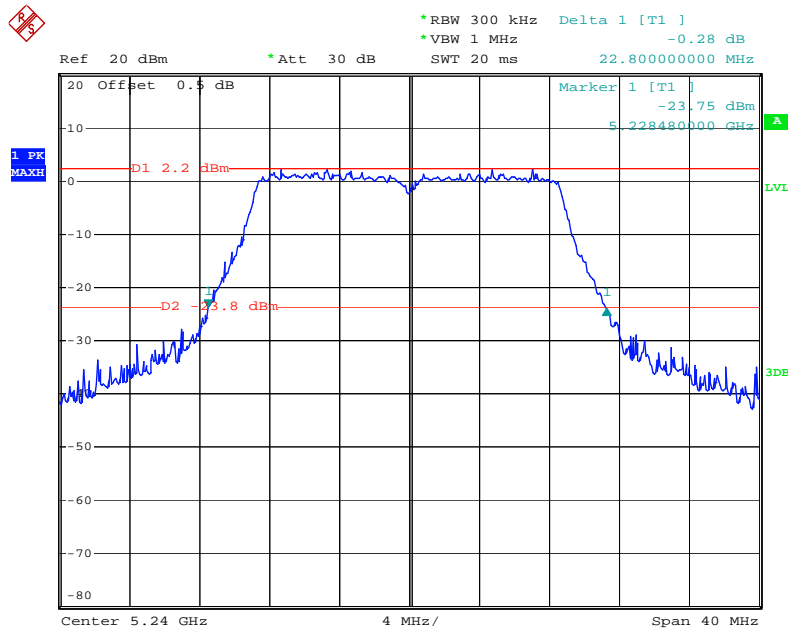
Date: 4.AUG.2021 10:32:30

802.11n ht20 Middle Channel



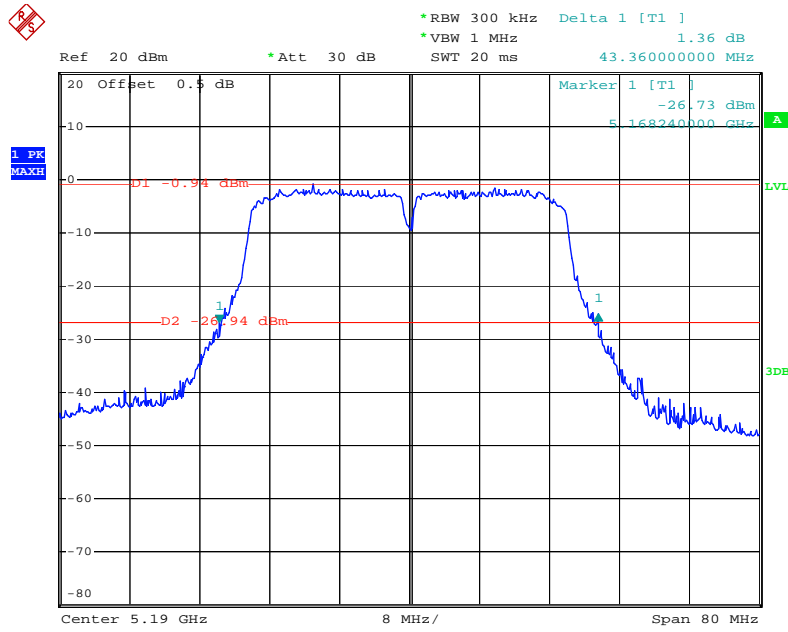
Date: 4.AUG.2021 10:33:49

802.11n ht20 High Channel



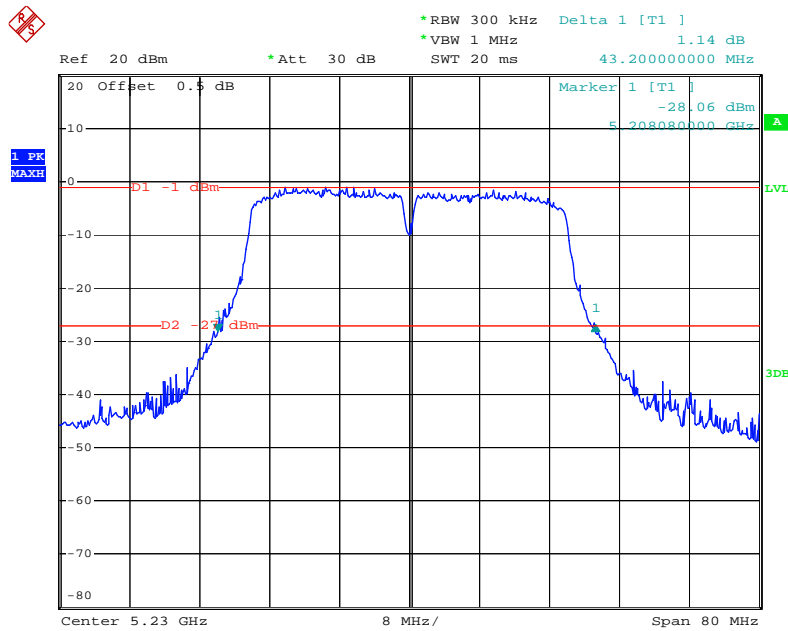
Date: 4.AUG.2021 10:34:52

802.11n ht40 Low Channel



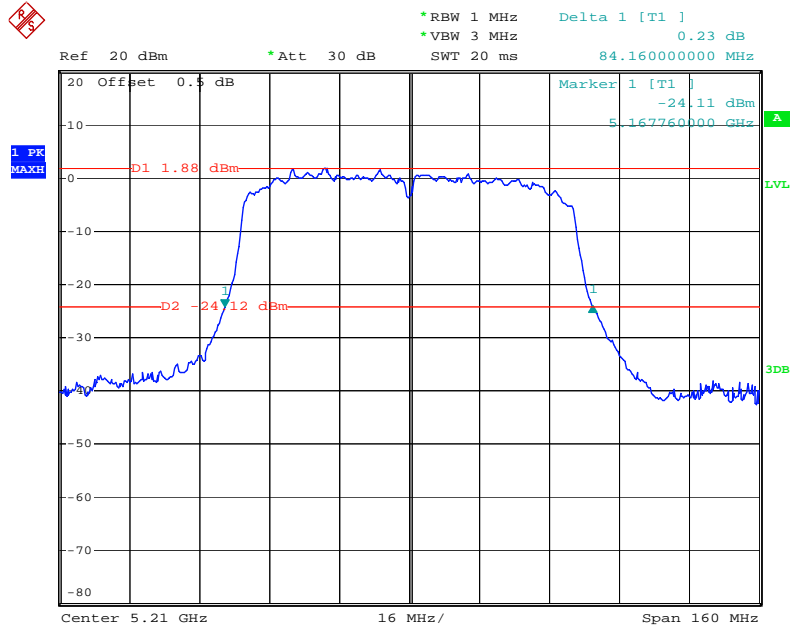
Date: 4.AUG.2021 10:36:50

802.11n ht40 High Channel



Date: 4.AUG.2021 10:37:55

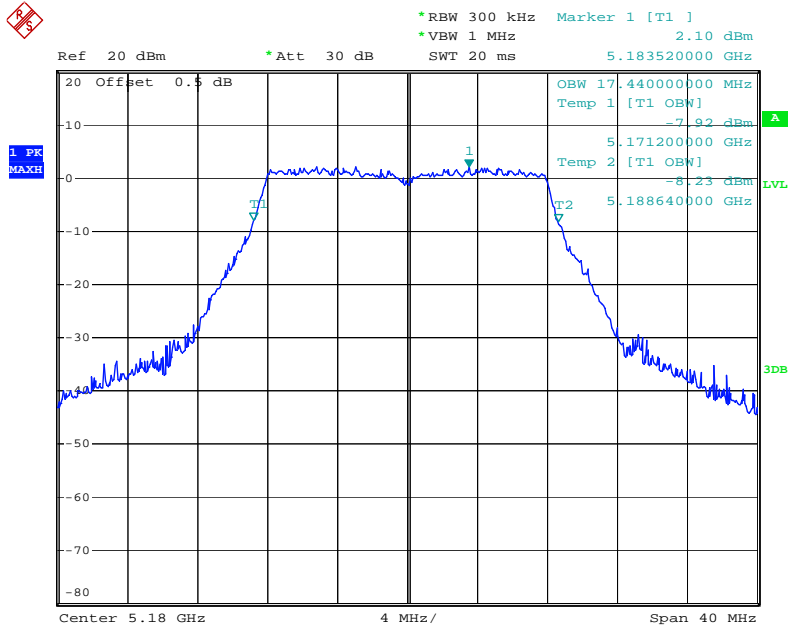
802.11ac vht80 Middle Channel



Date: 4.AUG.2021 10:39:10

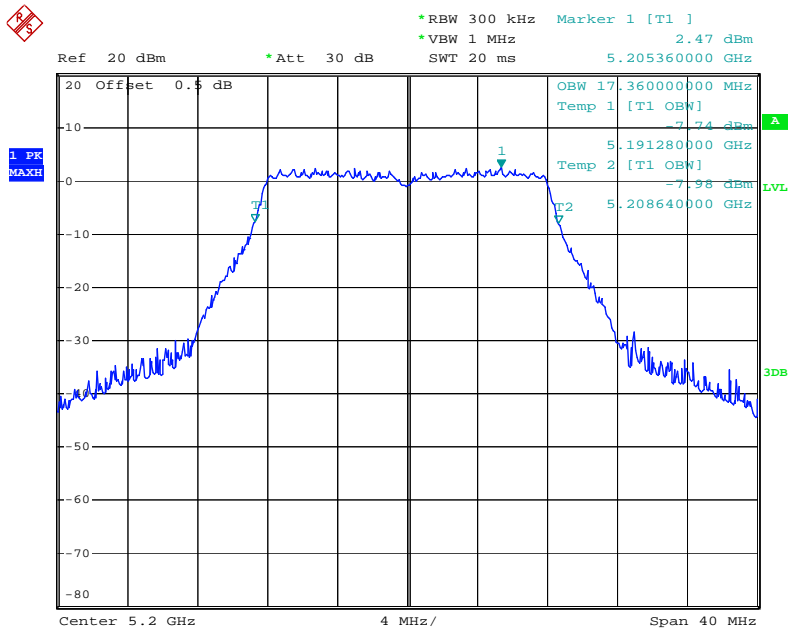
99% Occupied Bandwidth:

802.11a Low Channel



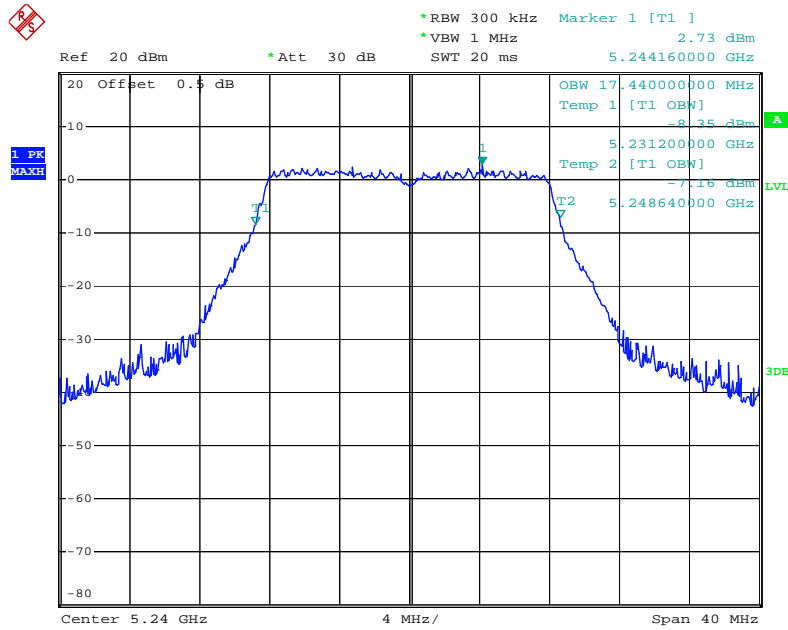
Date: 4.AUG.2021 10:21:23

802.11a Middle Channel



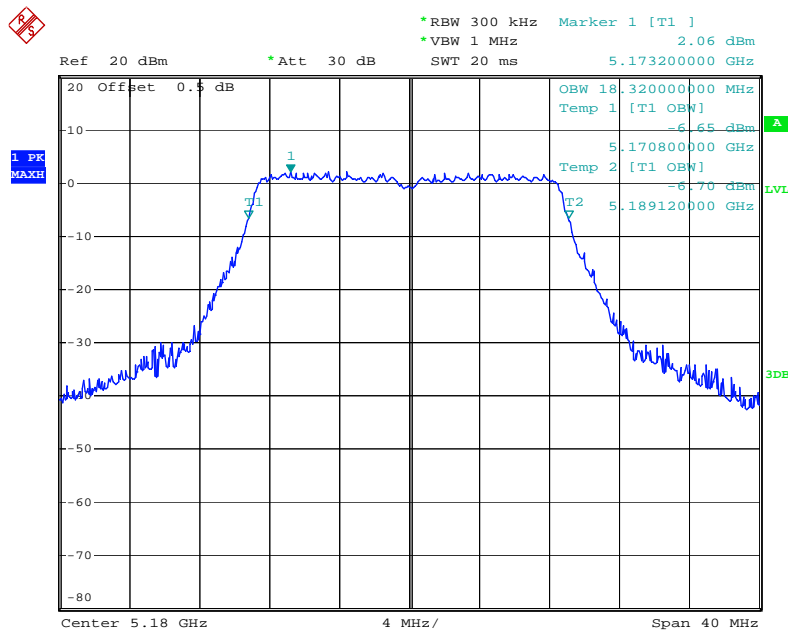
Date: 4.AUG.2021 10:23:30

802.11a High Channel



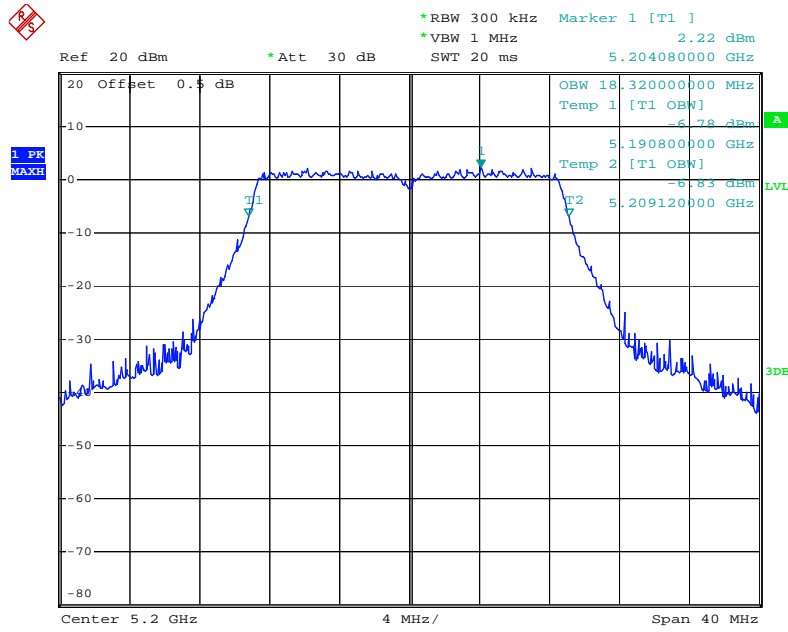
Date: 4.AUG.2021 10:24:39

802.11n ht20 Low Channel



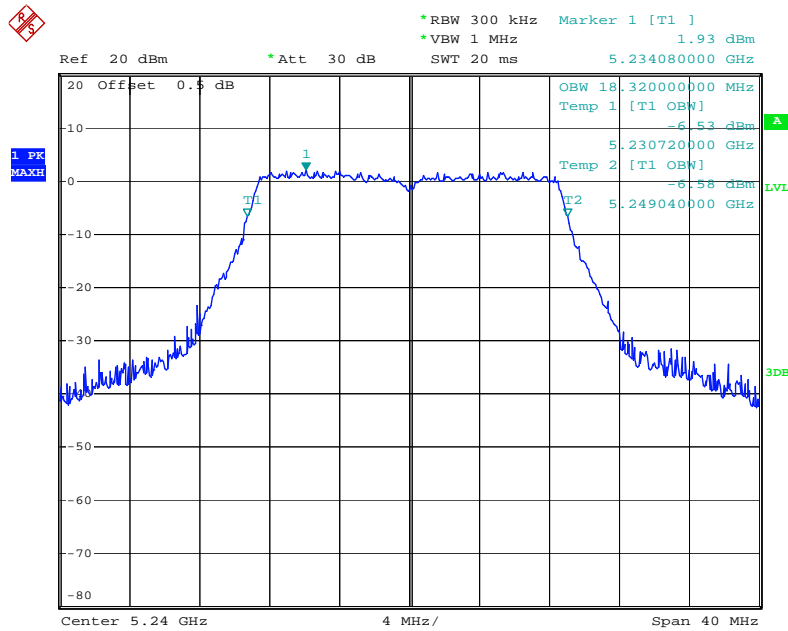
Date: 4.AUG.2021 10:32:45

802.11n ht20 Middle Channel



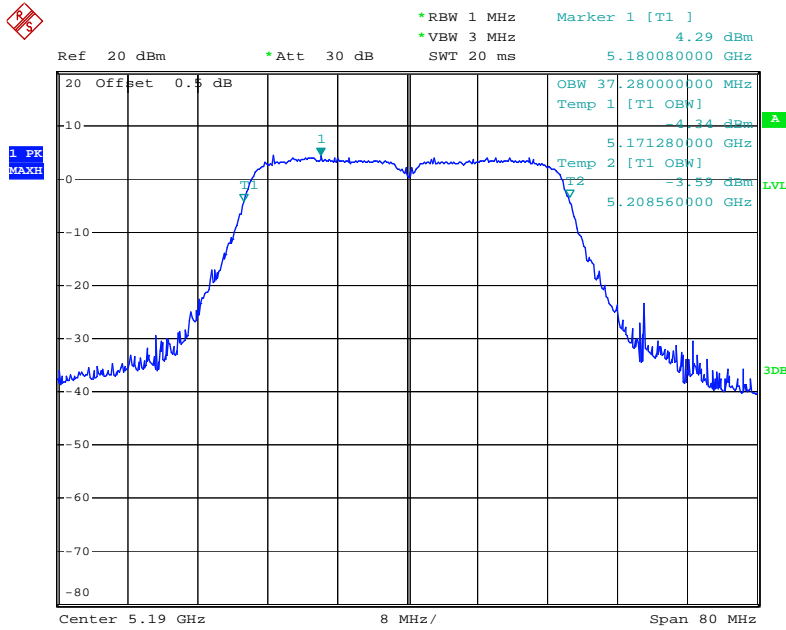
Date: 4.AUG.2021 10:34:05

802.11n ht20 High Channel



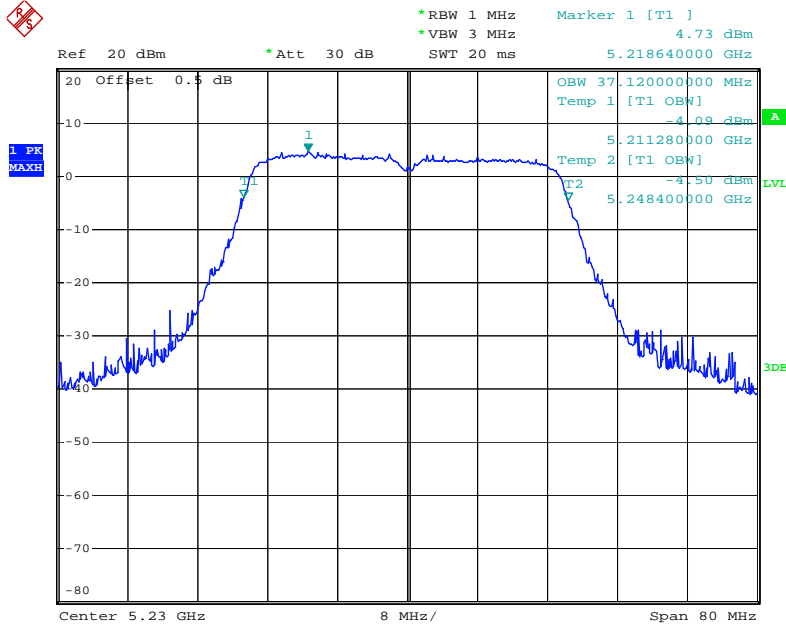
Date: 4.AUG.2021 10:35:11

802.11n ht40 Low Channel



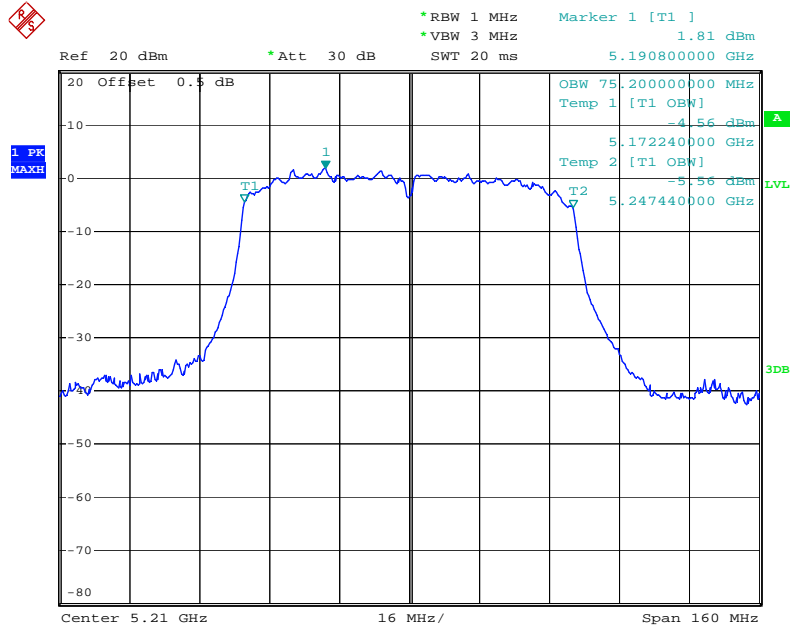
Date: 4.AUG.2021 10:37:05

802.11n ht40 High Channel



Date: 4.AUG.2021 10:38:11

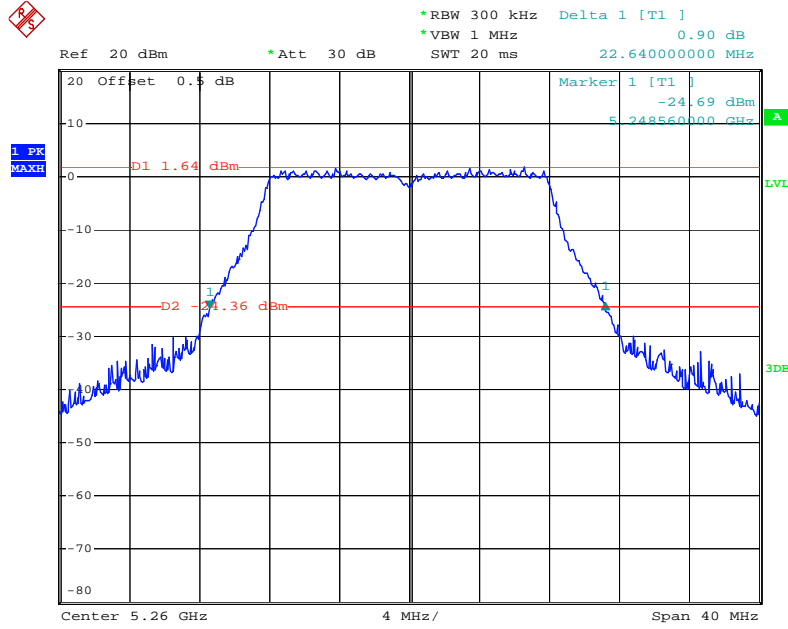
802.11ac vht80 Middle Channel



Date: 4.AUG.2021 10:39:22

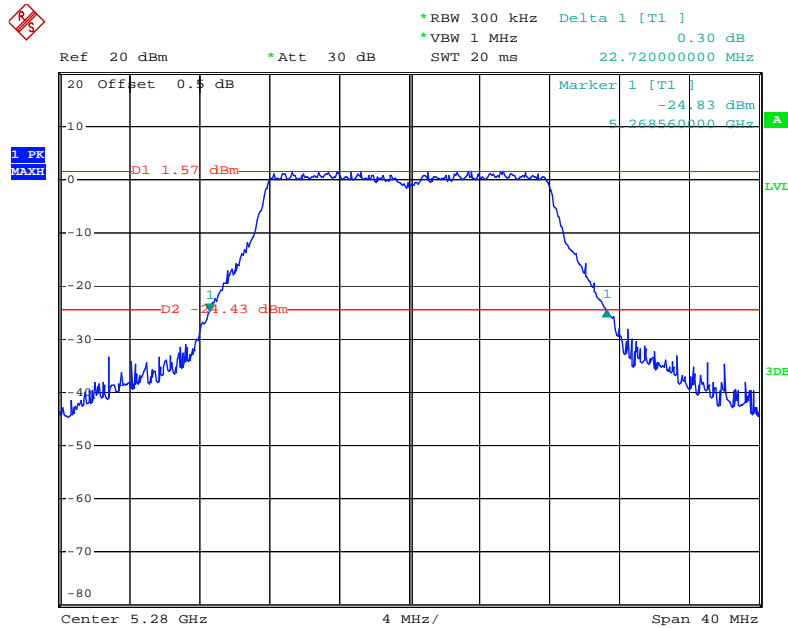
5250-5350MHz:
26dB Emission Bandwidth:

802.11a Low Channel



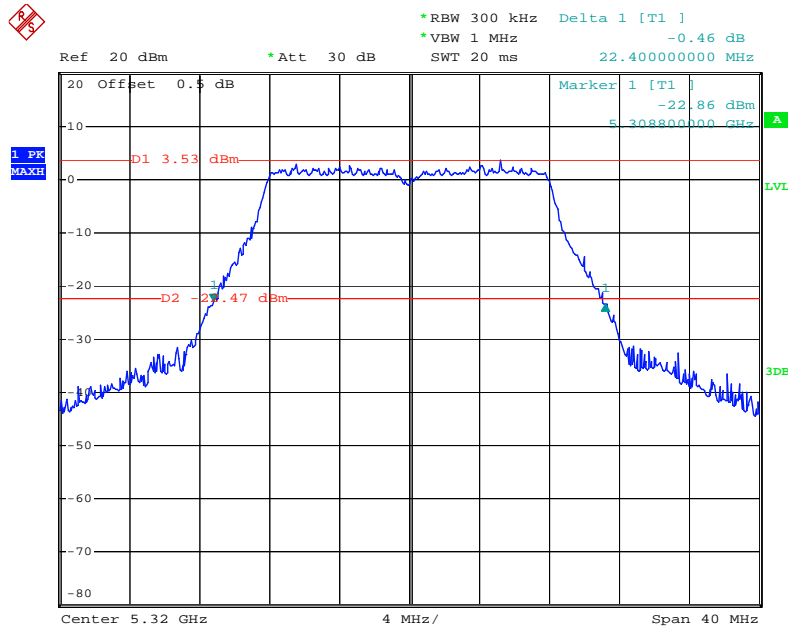
Date: 4.AUG.2021 10:42:17

802.11a Middle Channel



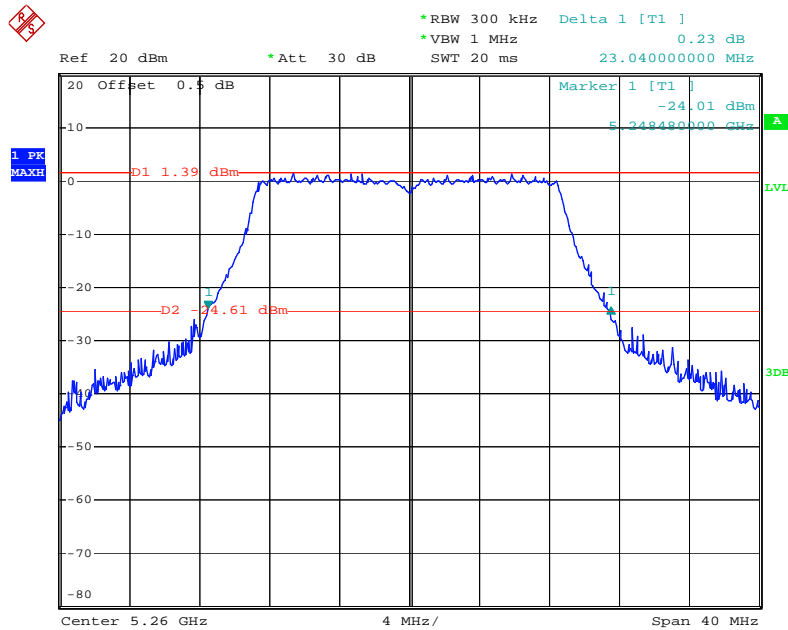
Date: 4.AUG.2021 10:43:20

802.11a High Channel



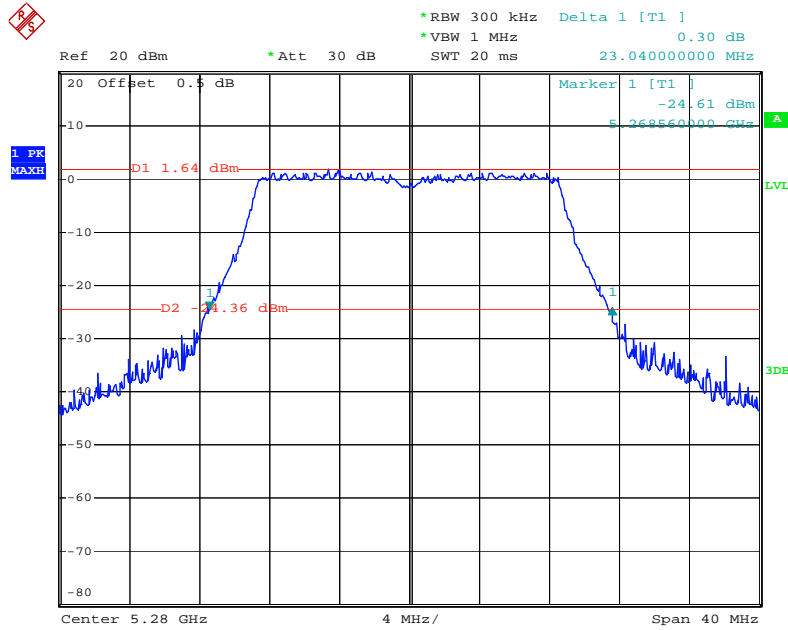
Date: 4.AUG.2021 10:45:26

802.11n ht20 Low Channel



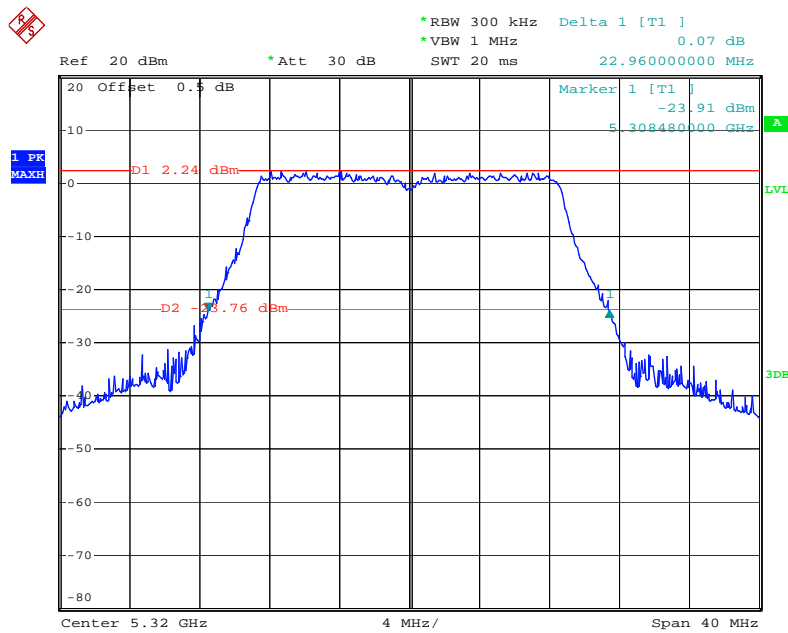
Date: 4.AUG.2021 10:47:04

802.11n ht20 Middle Channel



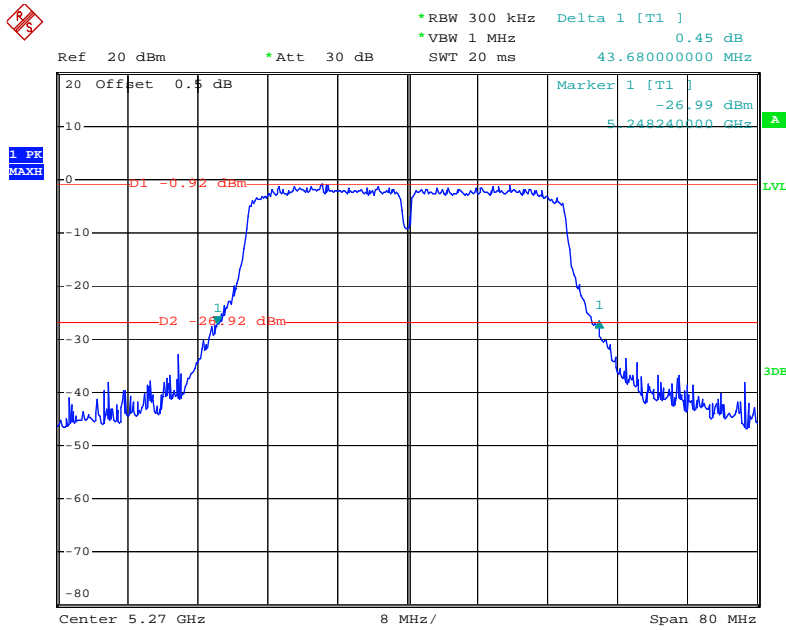
Date: 4.AUG.2021 10:48:04

802.11n ht20 High Channel



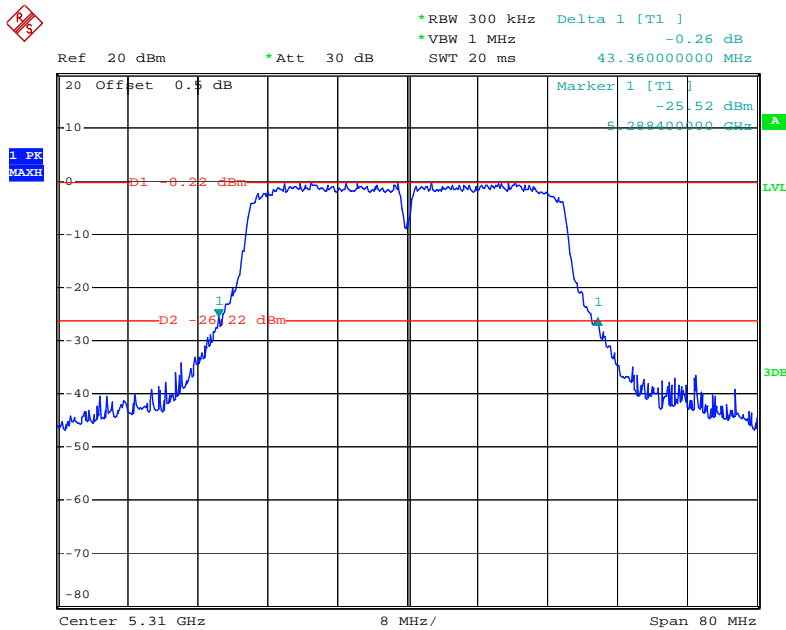
Date: 4.AUG.2021 10:49:11

802.11n ht40 Low Channel



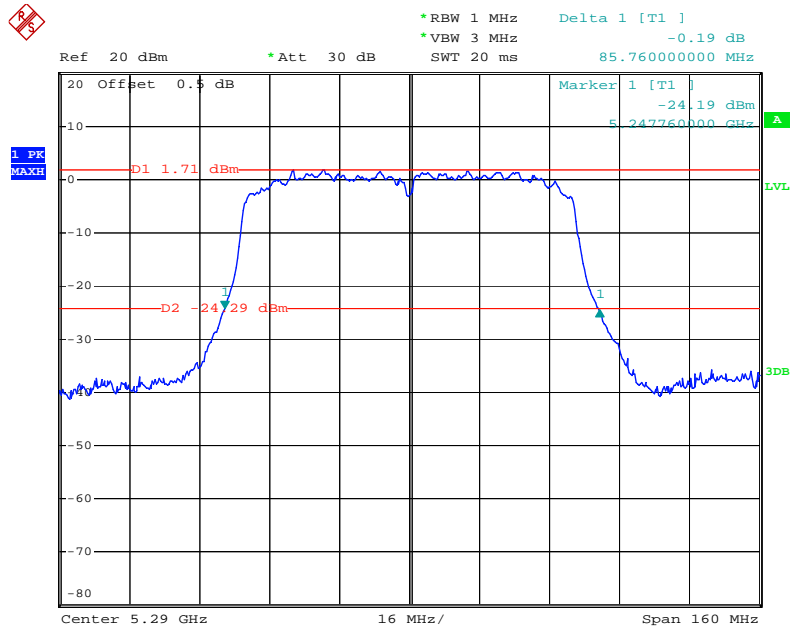
Date: 4.AUG.2021 10:50:38

802.11n ht40 High Channel



Date: 4.AUG.2021 10:51:47

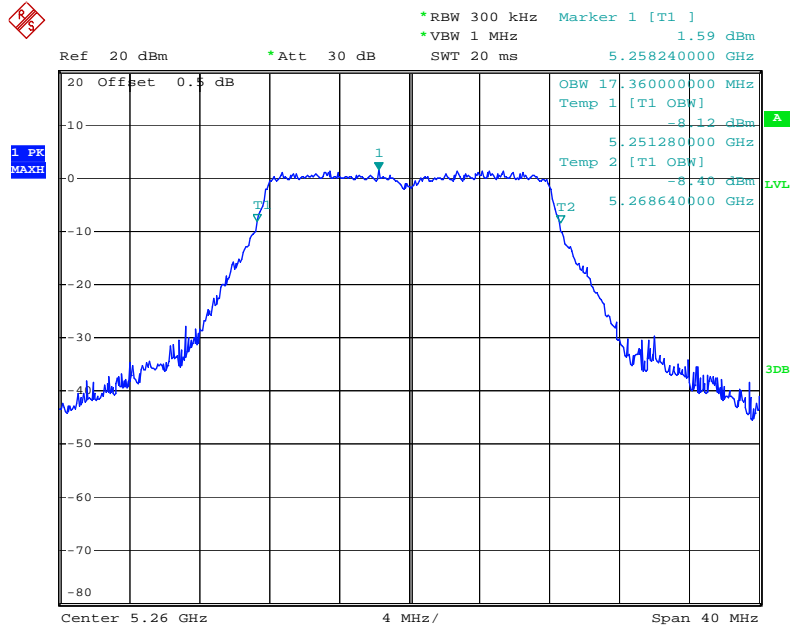
802.11ac vht80 Middle Channel



Date: 4.AUG.2021 10:53:09

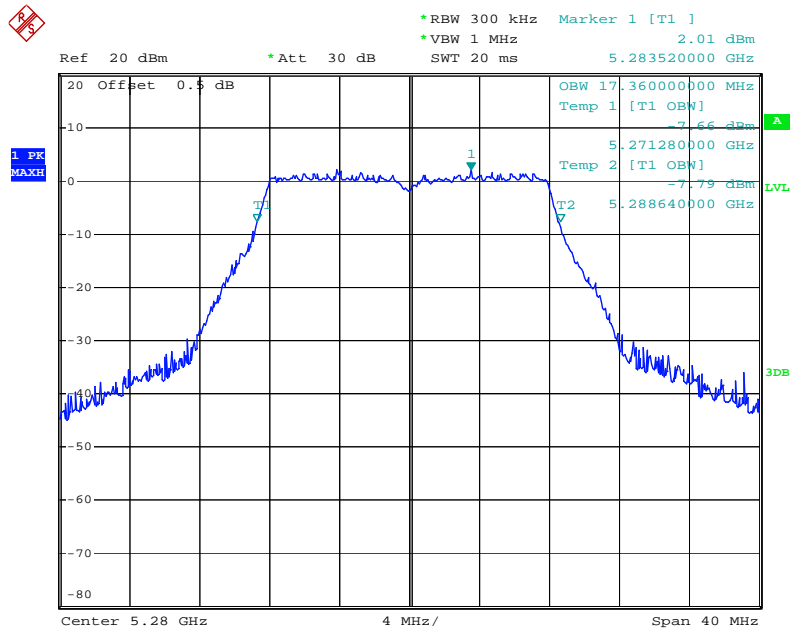
99% Occupied Bandwidth:

802.11a Low Channel



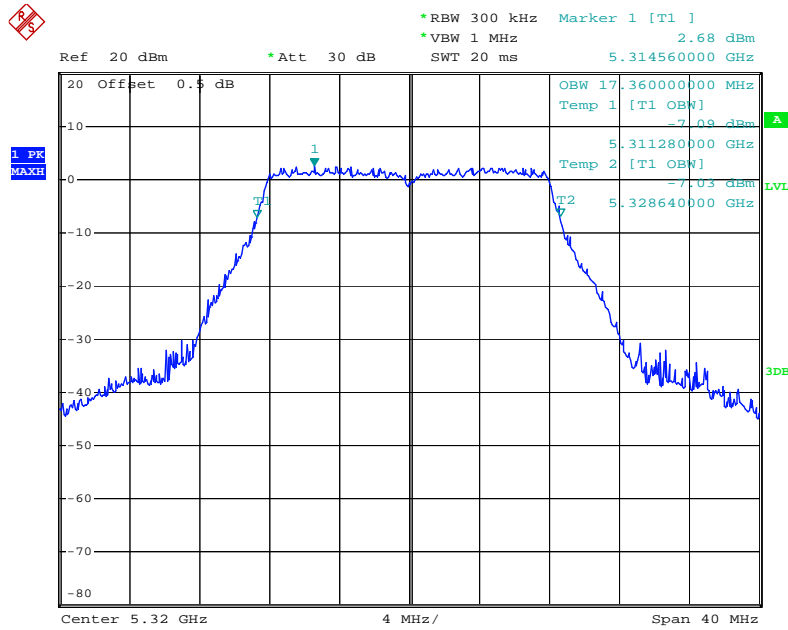
Date: 4.AUG.2021 10:42:32

802.11a Middle Channel



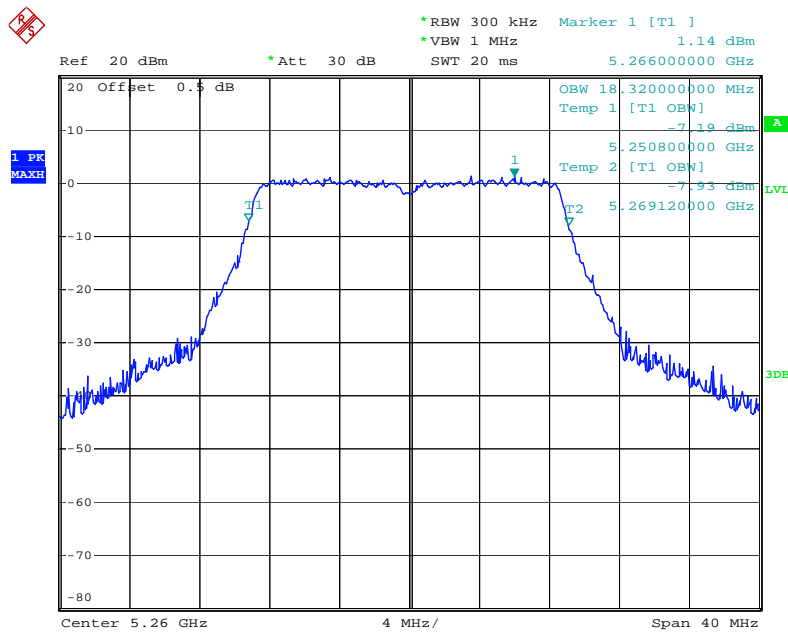
Date: 4.AUG.2021 10:43:35

802.11a High Channel



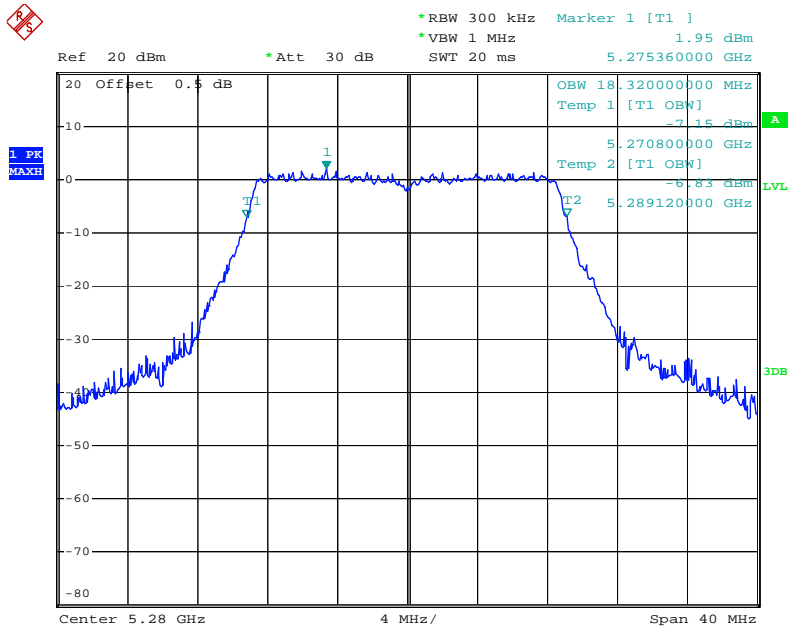
Date: 4.AUG.2021 10:45:39

802.11n ht20 Low Channel



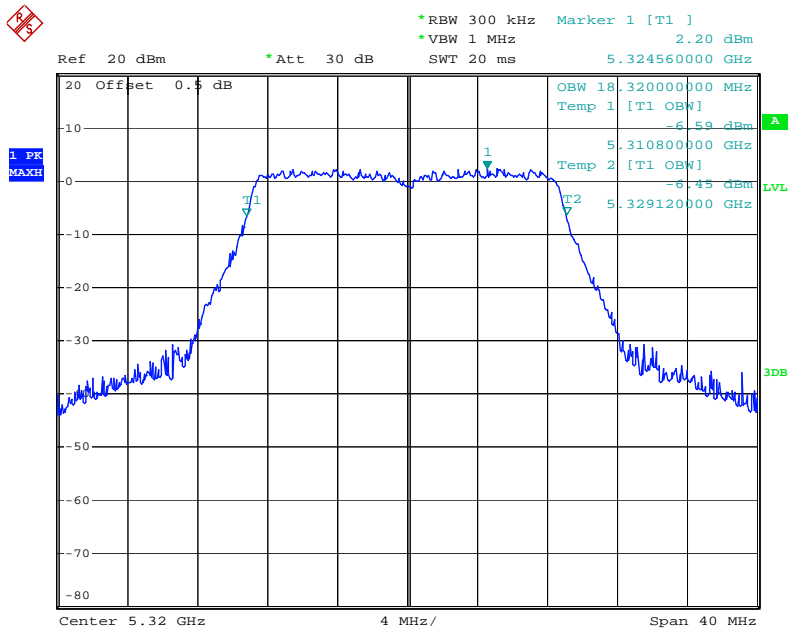
Date: 4.AUG.2021 10:47:19

802.11n ht20 Middle Channel



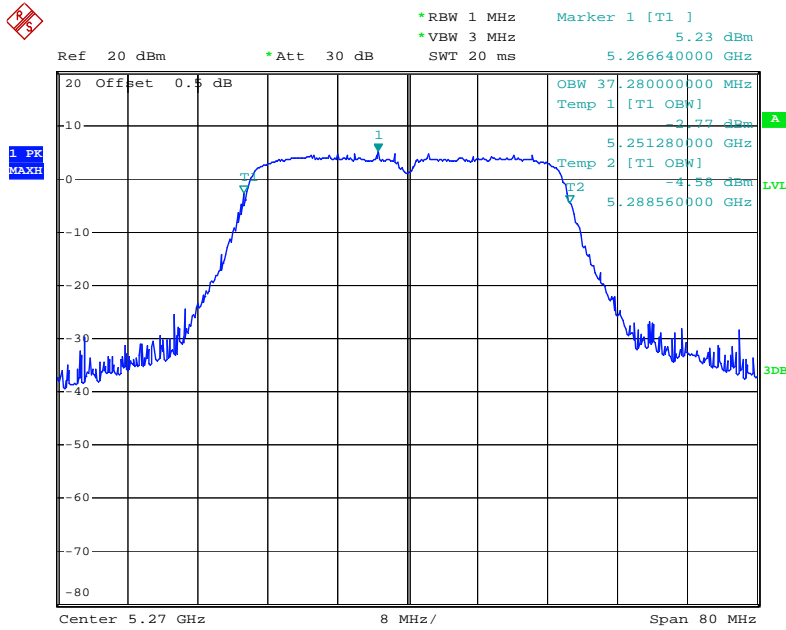
Date: 4.AUG.2021 10:48:20

802.11n ht20 High Channel



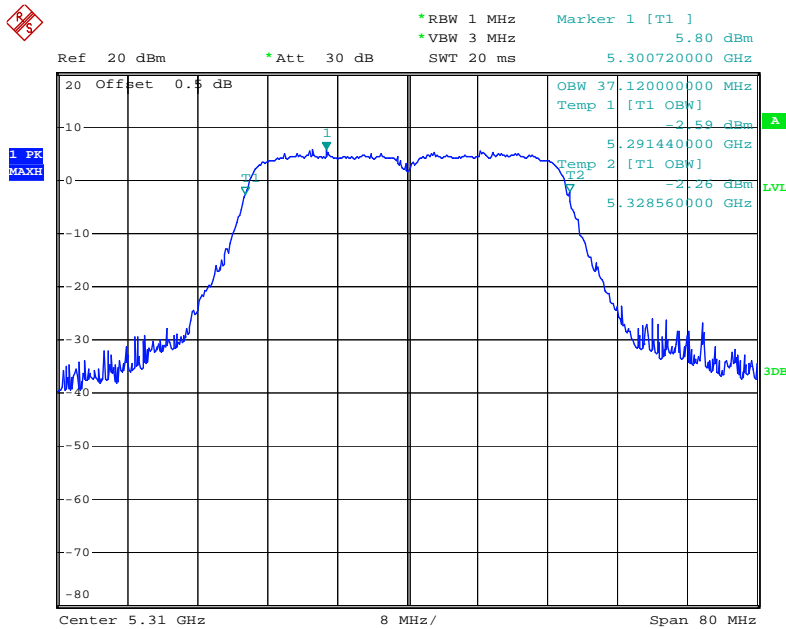
Date: 4.AUG.2021 10:49:27

802.11n ht40 Low Channel



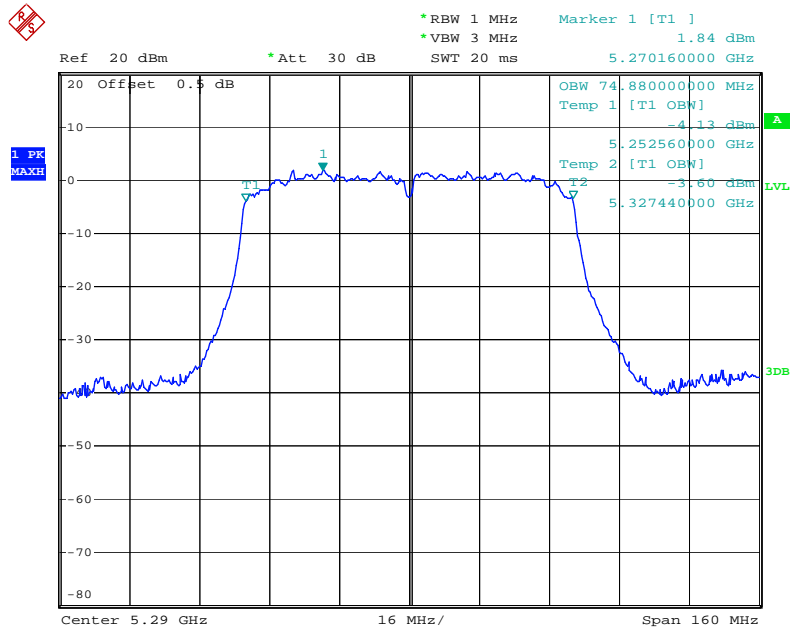
Date: 4.AUG.2021 10:50:54

802.11n ht40 High Channel



Date: 4.AUG.2021 10:52:02

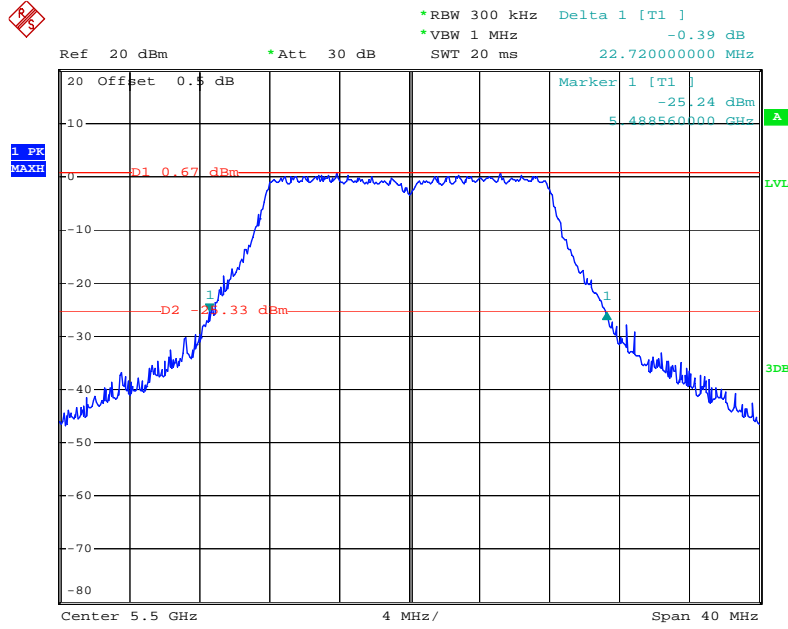
802.11ac vht80 Middle Channel



Date: 4.AUG.2021 10:53:22

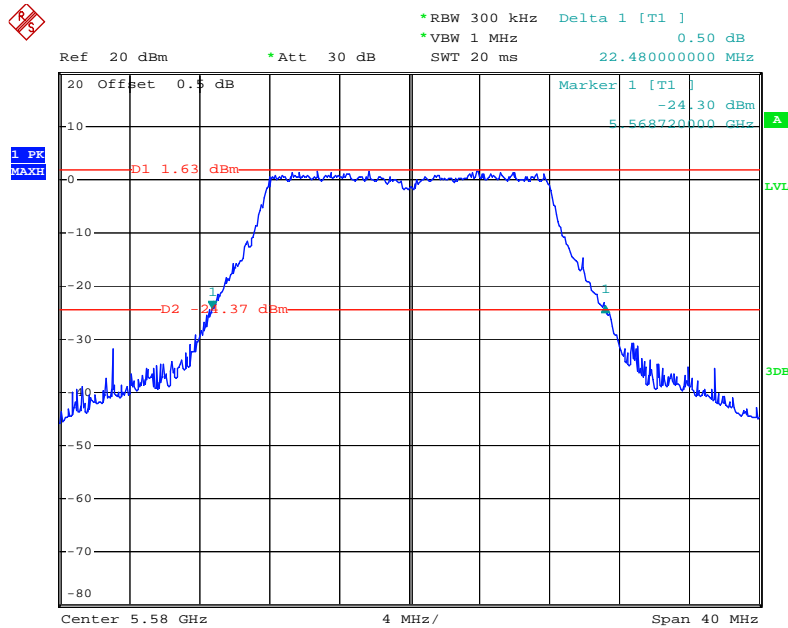
5470-5725MHz:
26dB Emission Bandwidth:

802.11a Low Channel



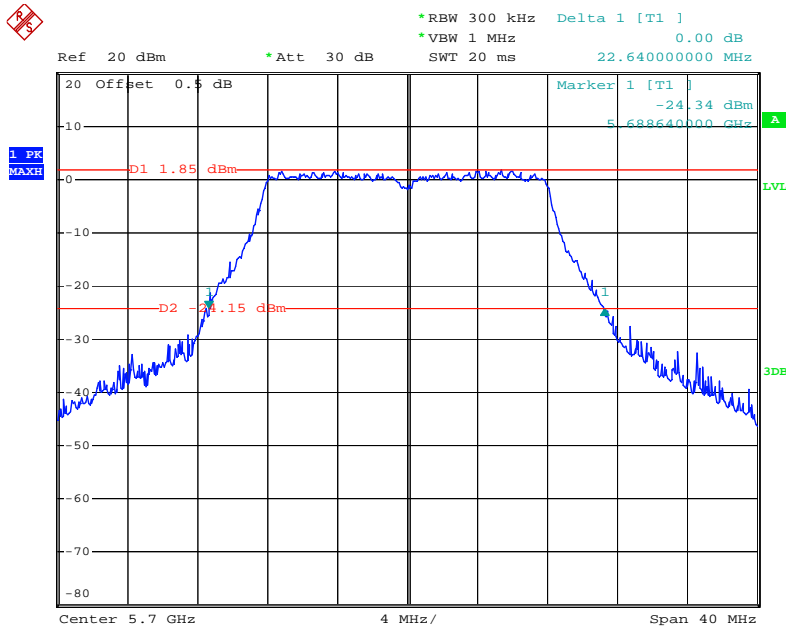
Date: 4.AUG.2021 10:55:28

802.11a Middle Channel



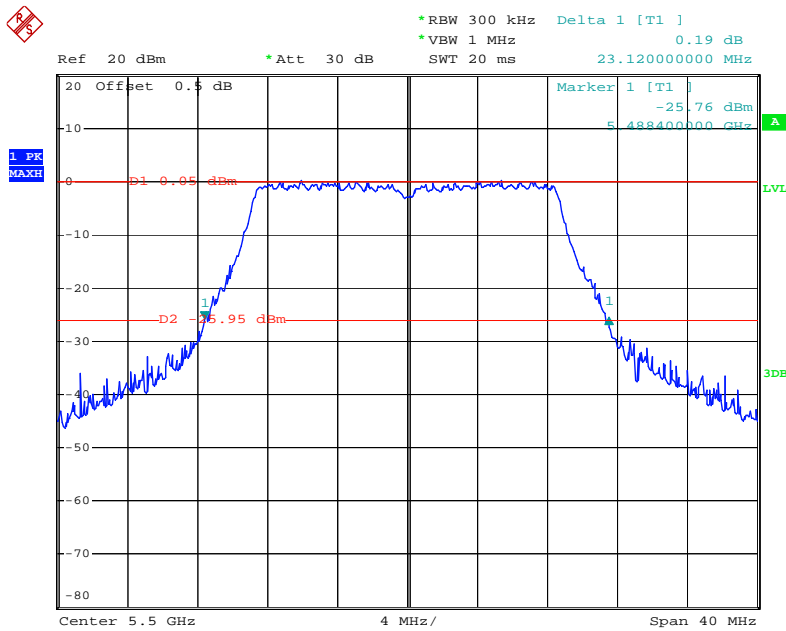
Date: 4.AUG.2021 10:56:30

802.11a High Channel



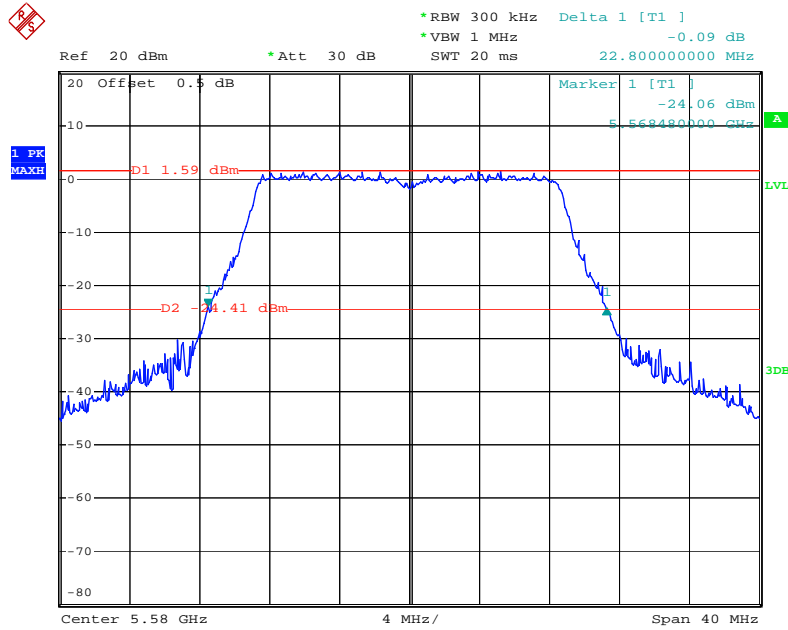
Date: 4.AUG.2021 10:57:36

802.11n ht20 Low Channel



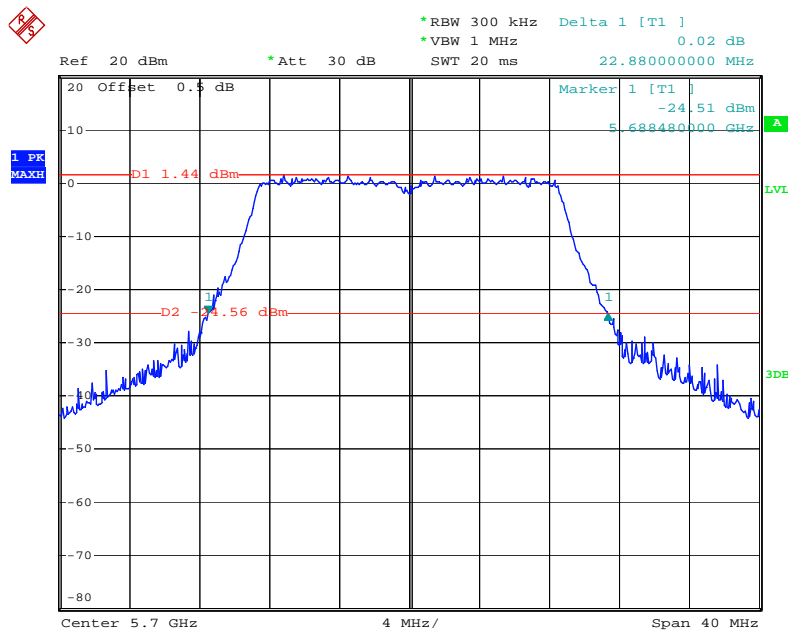
Date: 4.AUG.2021 10:59:12

802.11n ht20 Middle Channel



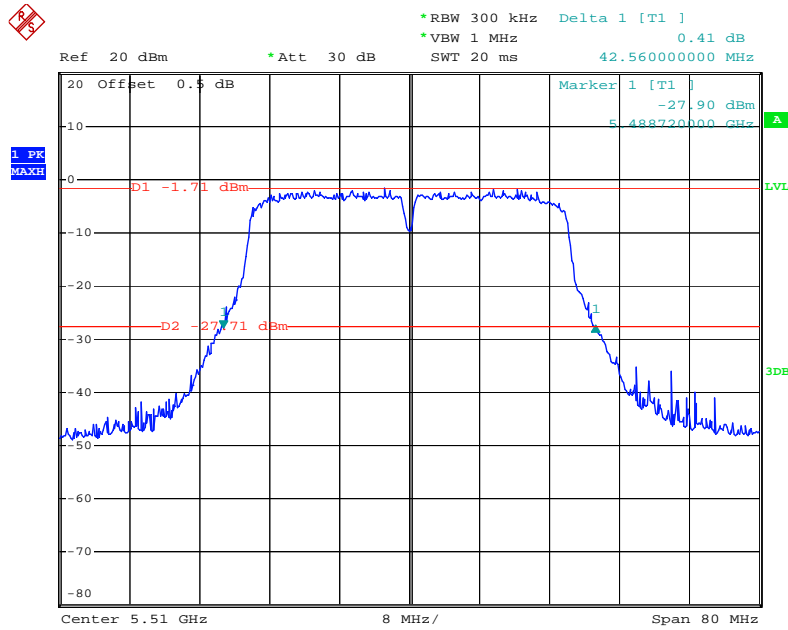
Date: 4.AUG.2021 11:00:21

802.11n ht20 High Channel



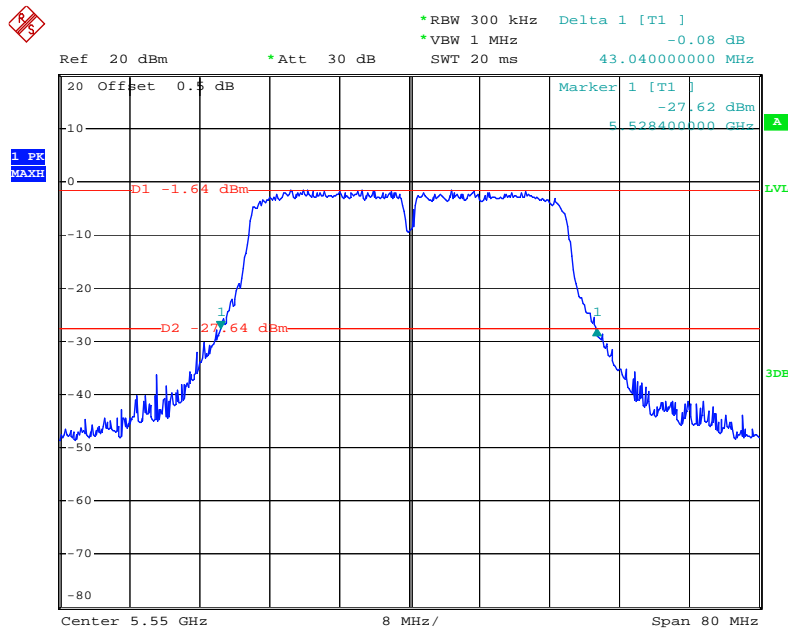
Date: 4.AUG.2021 11:01:30

802.11n ht40 Low Channel



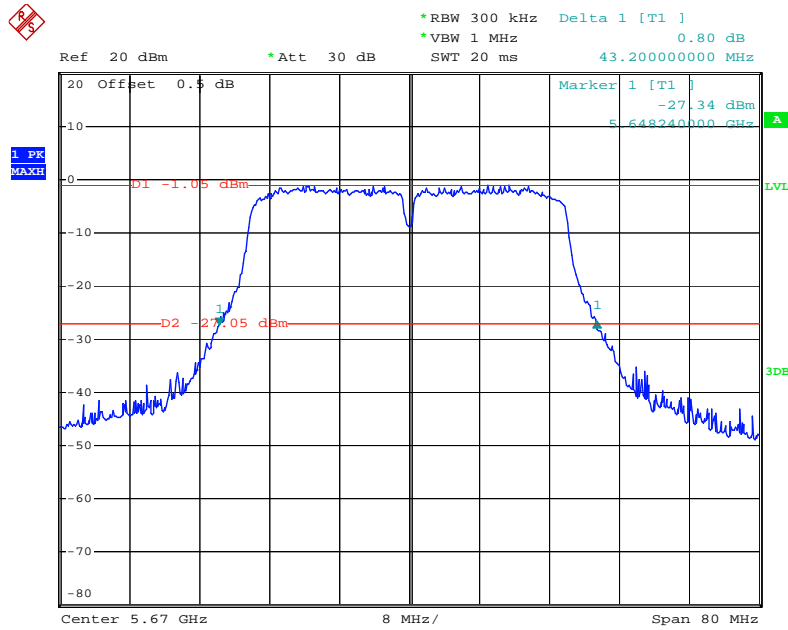
Date: 4.AUG.2021 11:02:47

802.11n ht40 Middle Channel



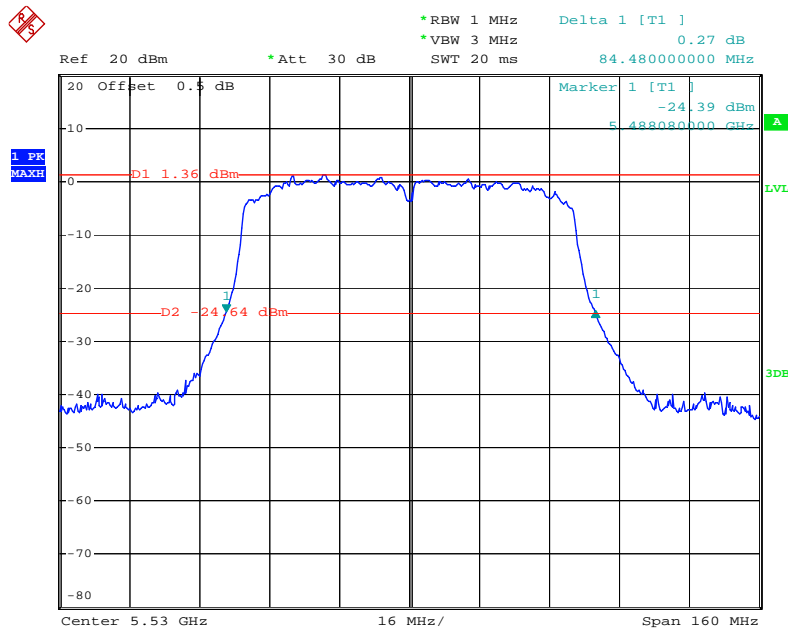
Date: 4.AUG.2021 11:03:57

802.11n ht40 High Channel



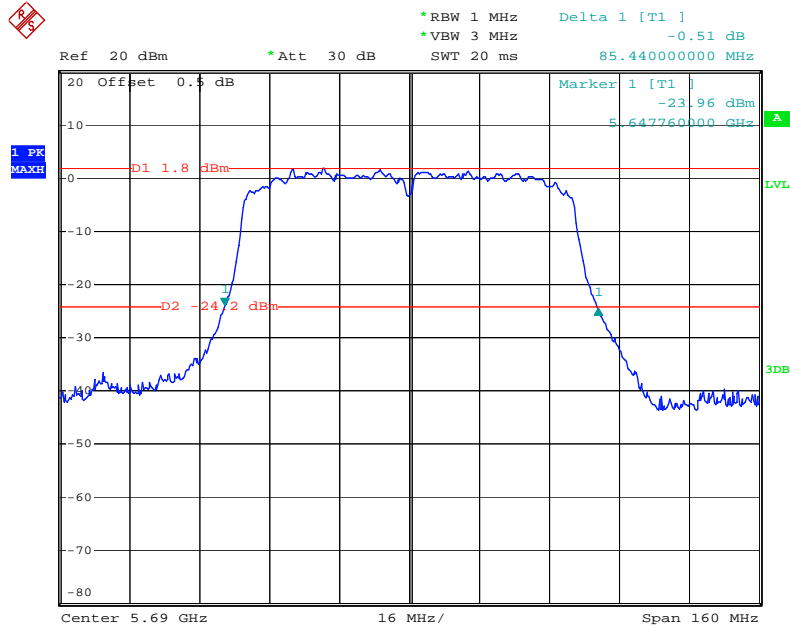
Date: 4.AUG.2021 11:05:02

802.11ac vht80 Low Channel



Date: 4.AUG.2021 11:06:37

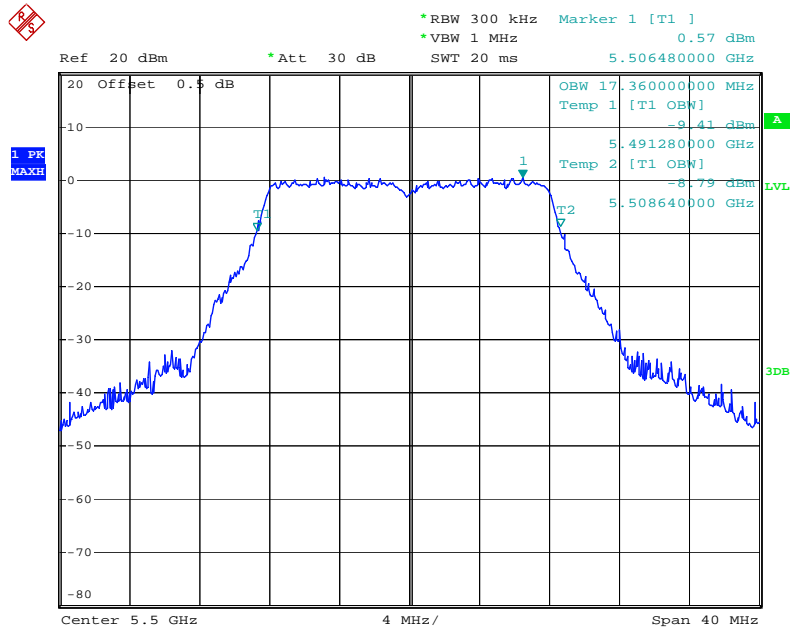
802.11ac vht80 High Channel



Date: 4.AUG.2021 11:07:36

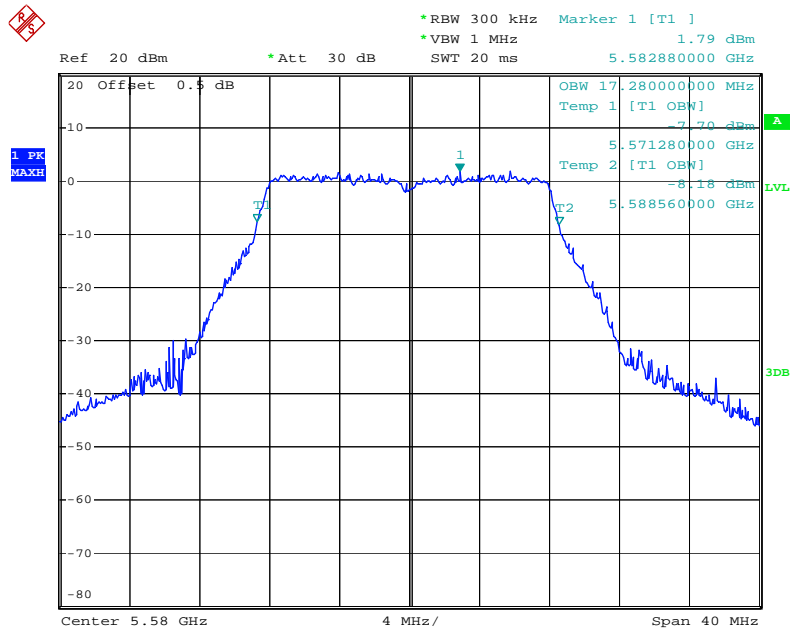
99% Occupied Bandwidth:

802.11a Low Channel



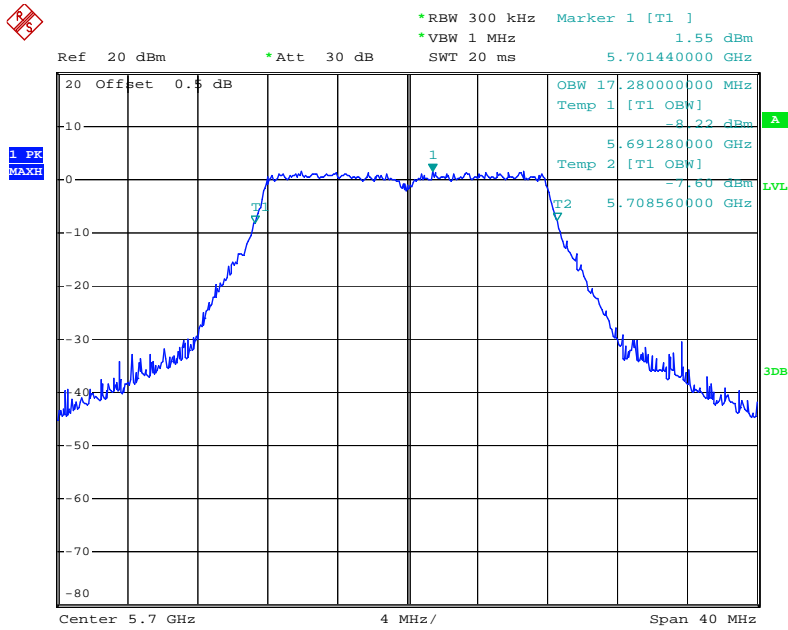
Date: 4.AUG.2021 10:55:40

802.11a Middle Channel



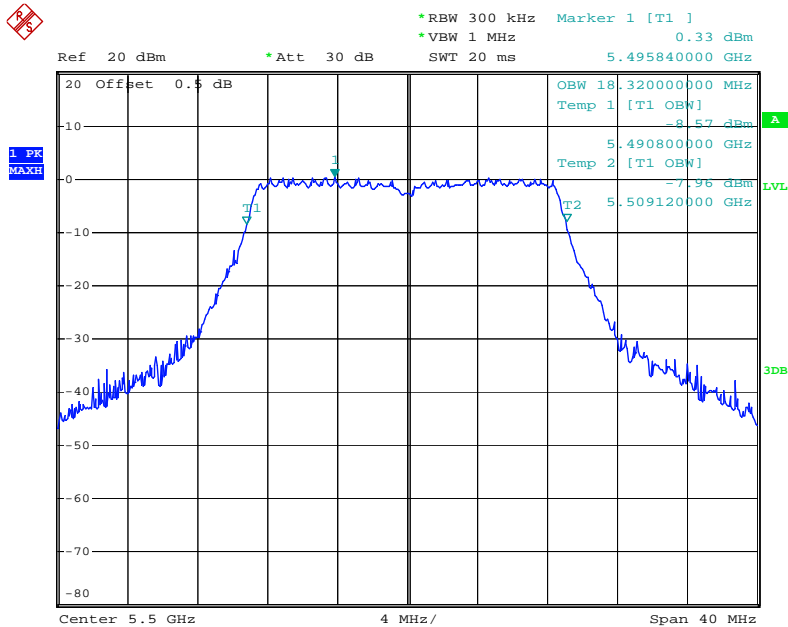
Date: 4.AUG.2021 10:56:46

802.11a High Channel



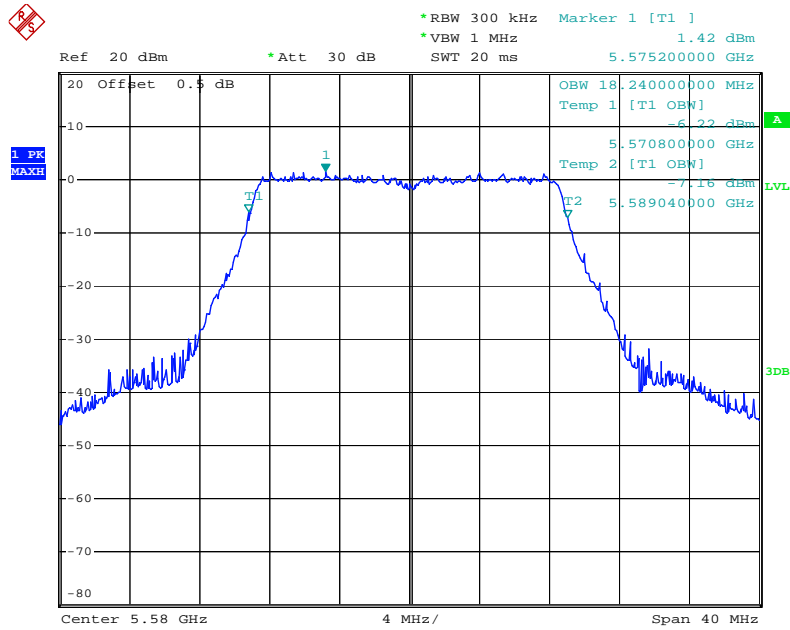
Date: 4.AUG.2021 10:57:52

802.11n ht20 Low Channel



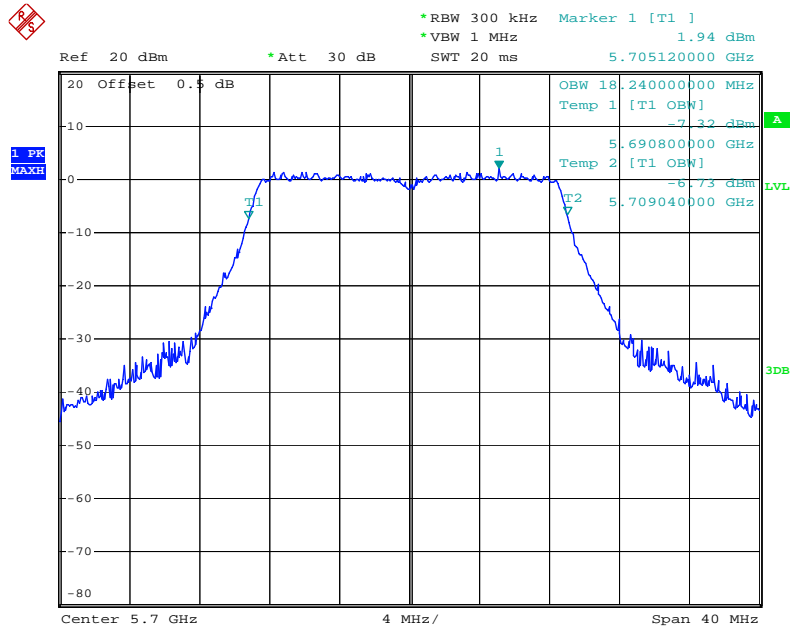
Date: 4.AUG.2021 10:59:28

802.11n ht20 Middle Channel



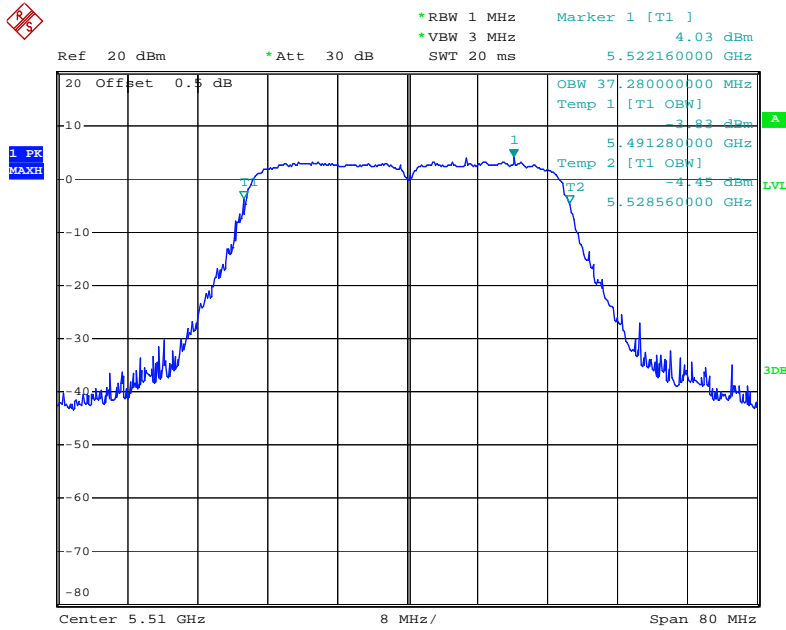
Date: 4.AUG.2021 11:00:34

802.11n ht20 High Channel



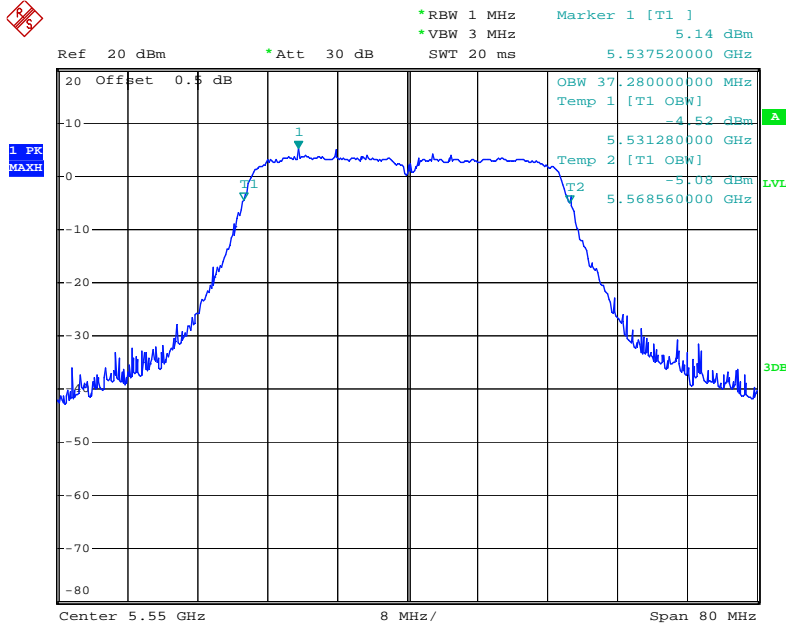
Date: 4.AUG.2021 11:01:46

802.11n ht40 Low Channel



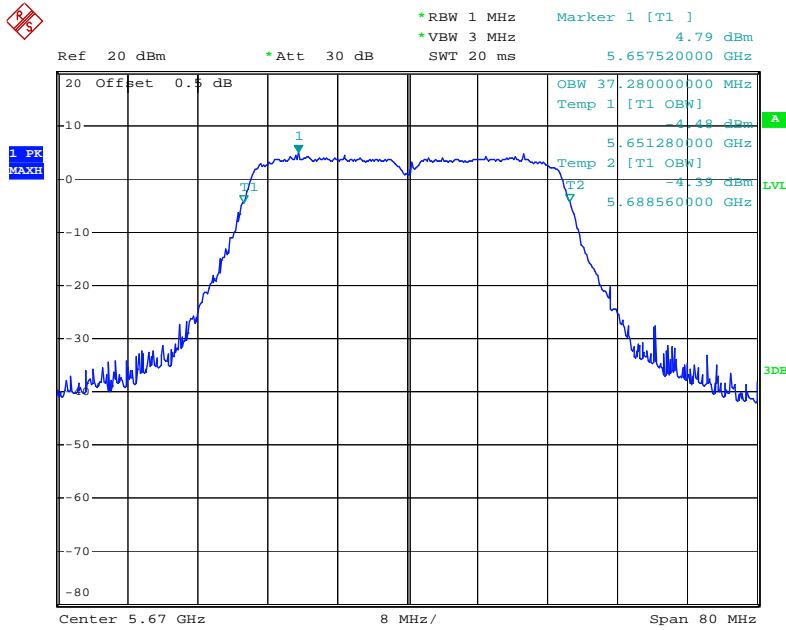
Date: 4.AUG.2021 11:02:59

802.11n ht40 Middle Channel



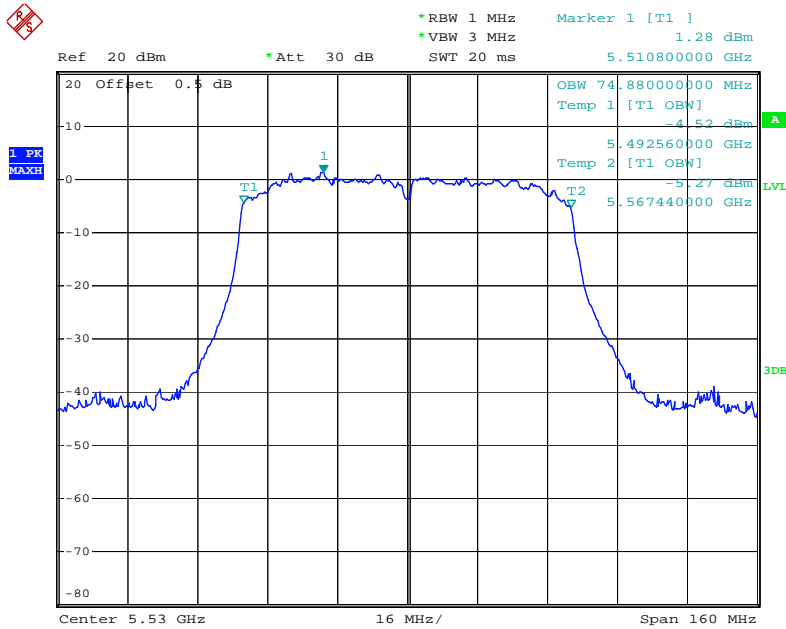
Date: 4.AUG.2021 11:04:10

802.11n ht40 High Channel



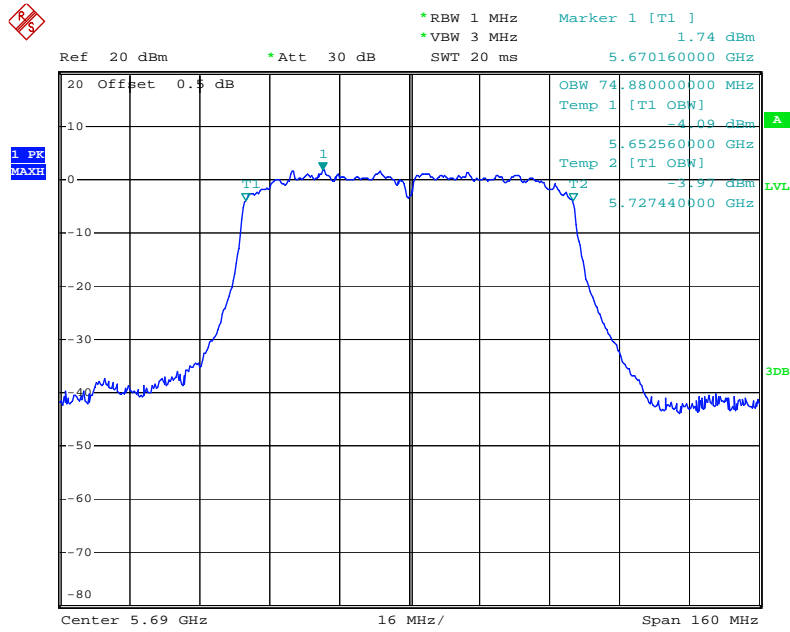
Date: 4.AUG.2021 11:05:15

802.11ac vht80 Low Channel



Date: 4.AUG.2021 11:06:49

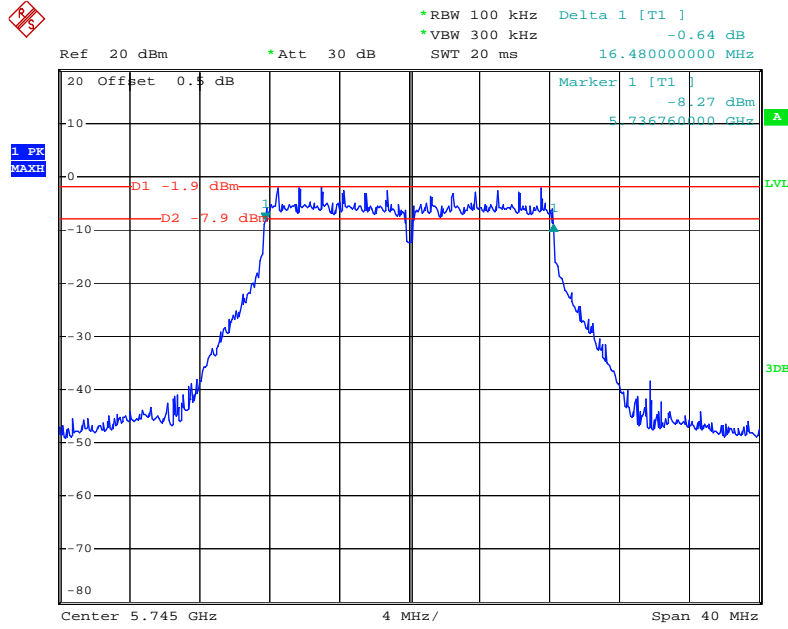
802.11ac vht80 High Channel



Date: 4.AUG.2021 11:07:49

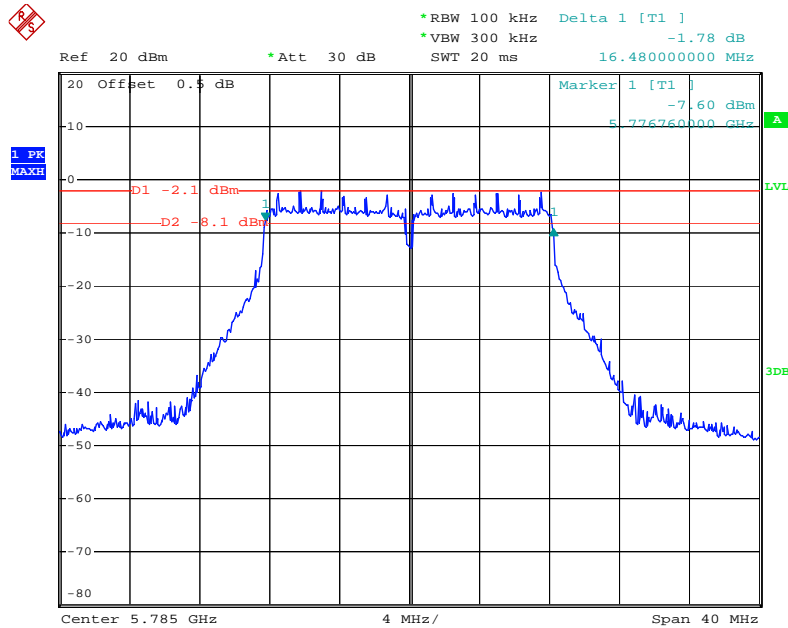
5725-5850MHz:
6dB Emission Bandwidth:

802.11a Low Channel



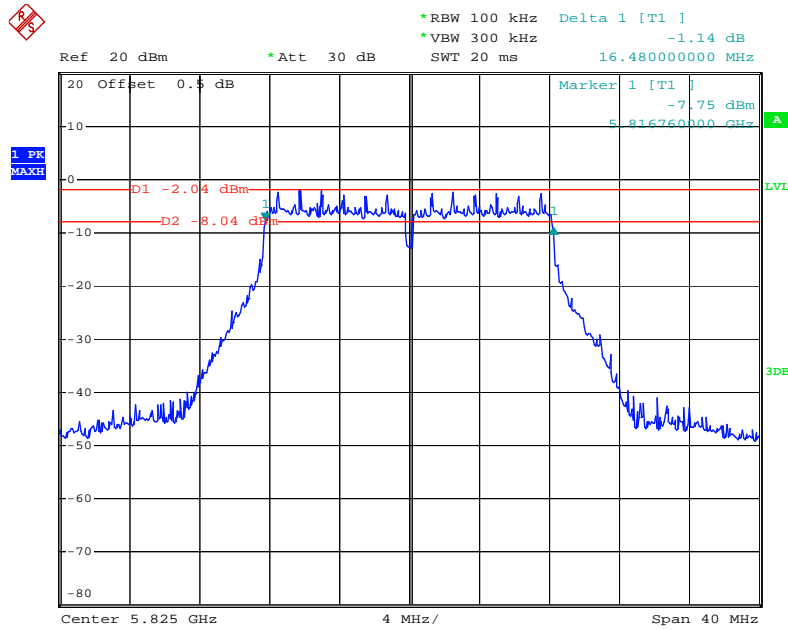
Date: 4.AUG.2021 11:14:10

802.11a Middle Channel



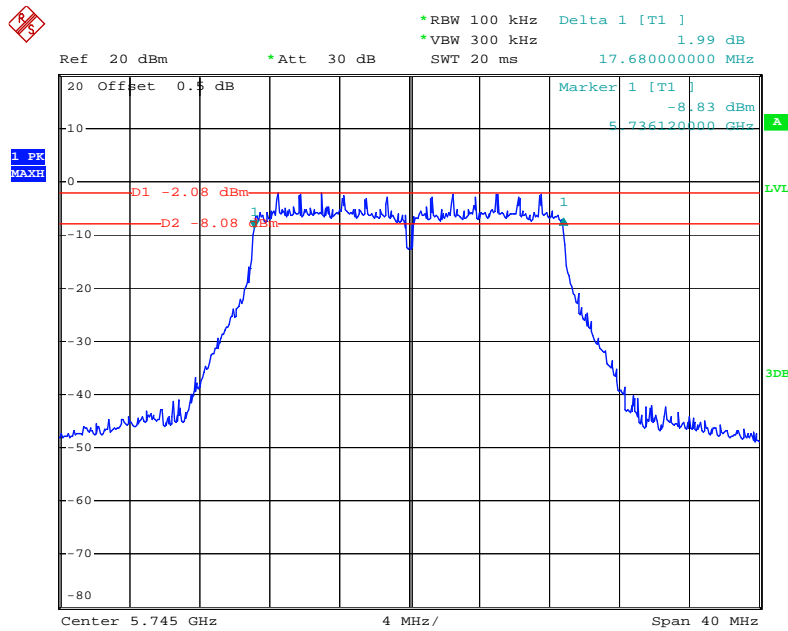
Date: 4.AUG.2021 11:15:43

802.11a High Channel



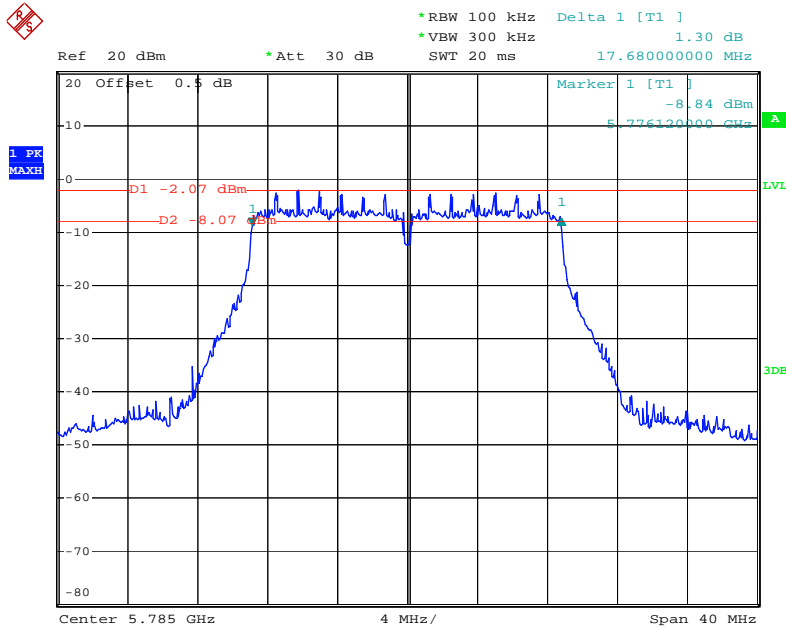
Date: 4.AUG.2021 11:16:39

802.11n ht20 Low Channel



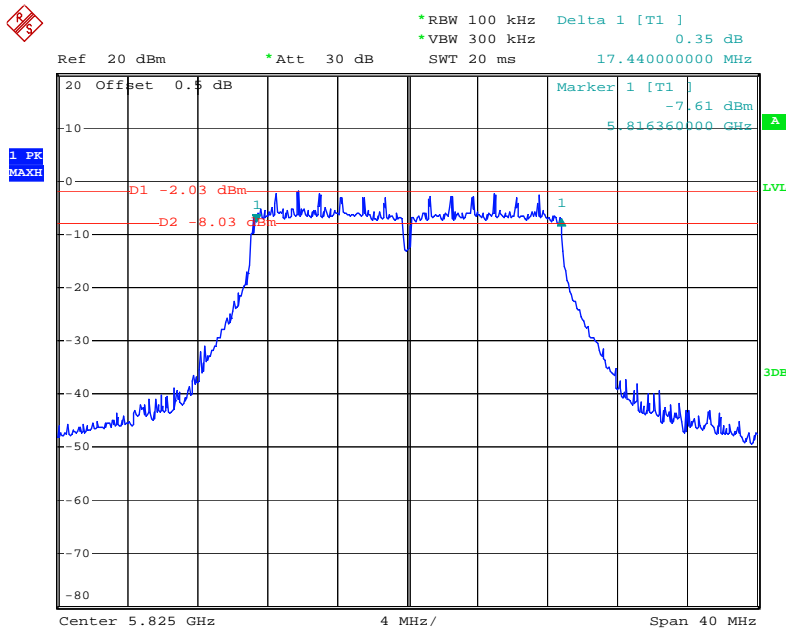
Date: 4.AUG.2021 11:18:14

802.11n ht20 Middle Channel



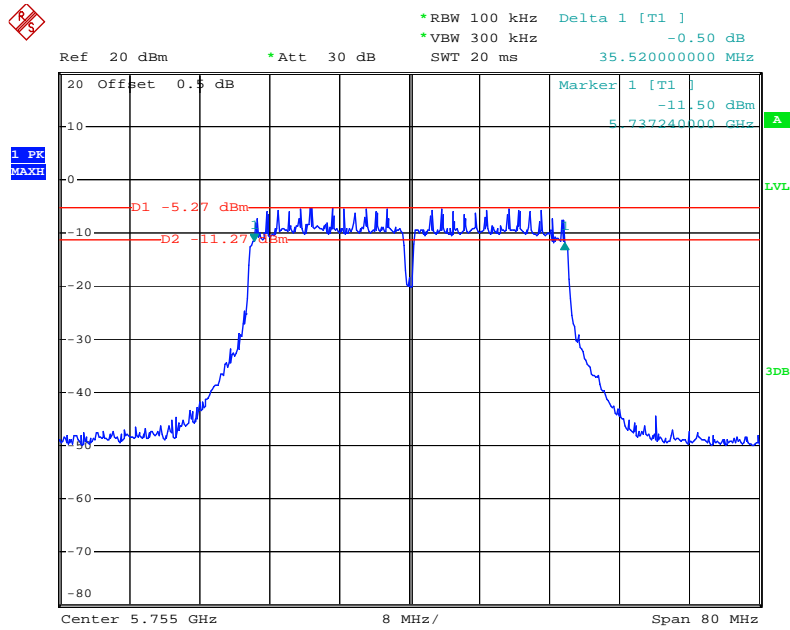
Date: 4.AUG.2021 11:19:28

802.11n ht20 High Channel



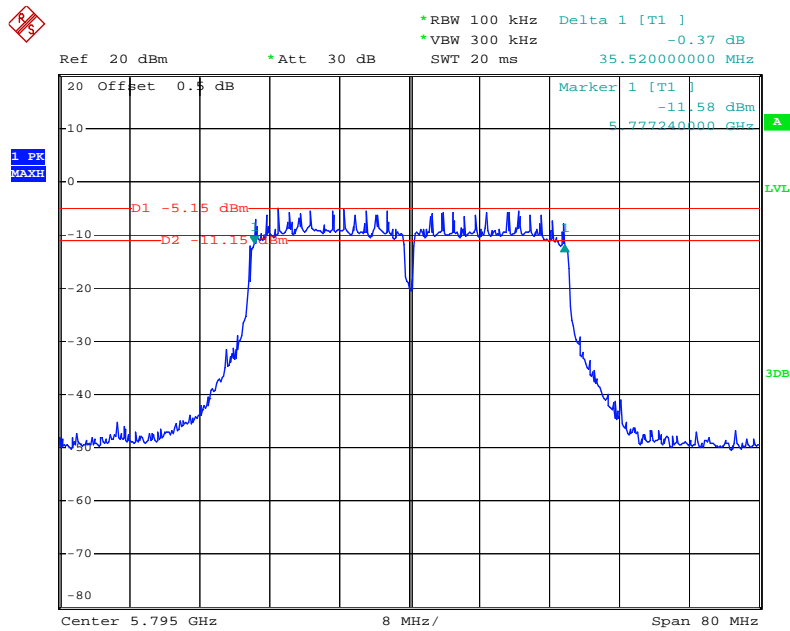
Date: 4.AUG.2021 11:20:33

802.11n ht40 Low Channel



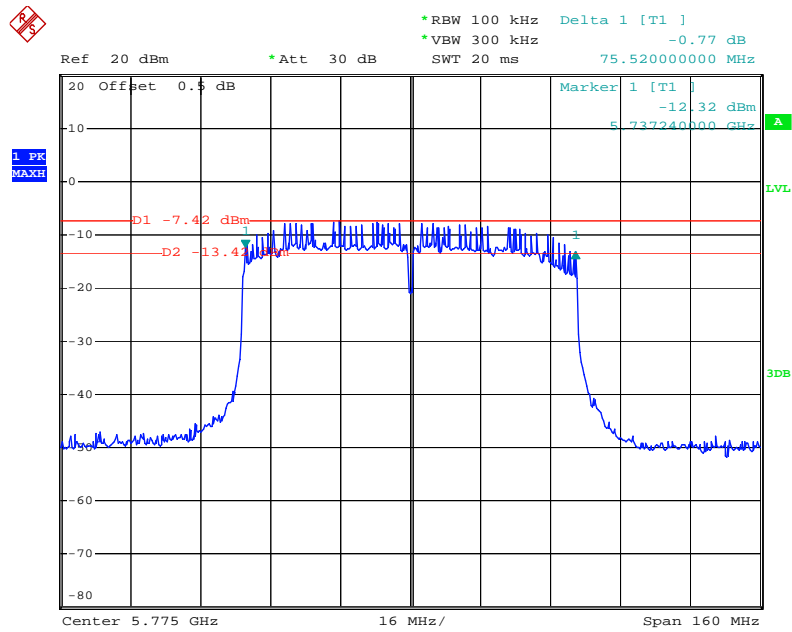
Date: 4.AUG.2021 11:22:06

802.11n ht40 High Channel



Date: 4.AUG.2021 11:24:18

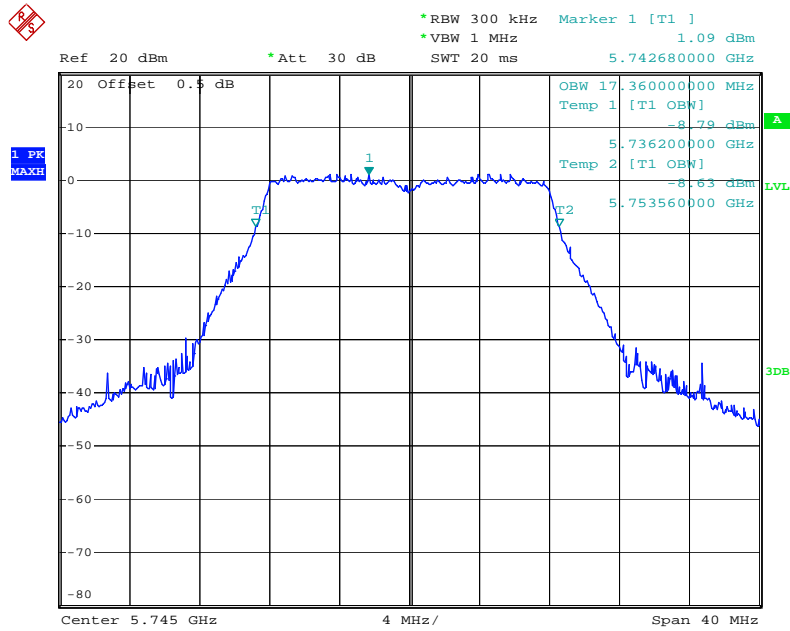
802.11ac vht80 Middle Channel



Date: 4.AUG.2021 11:25:47

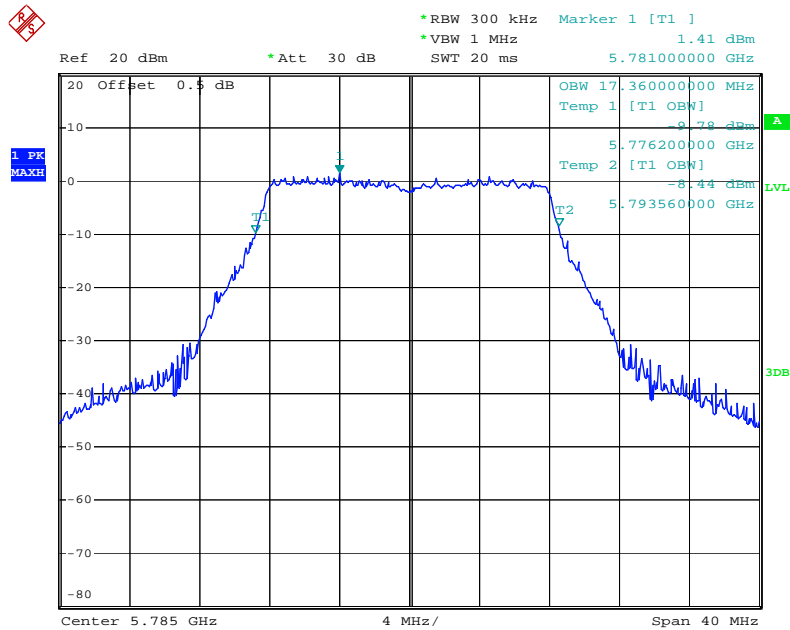
99% Occupied Bandwidth:

802.11a Low Channel



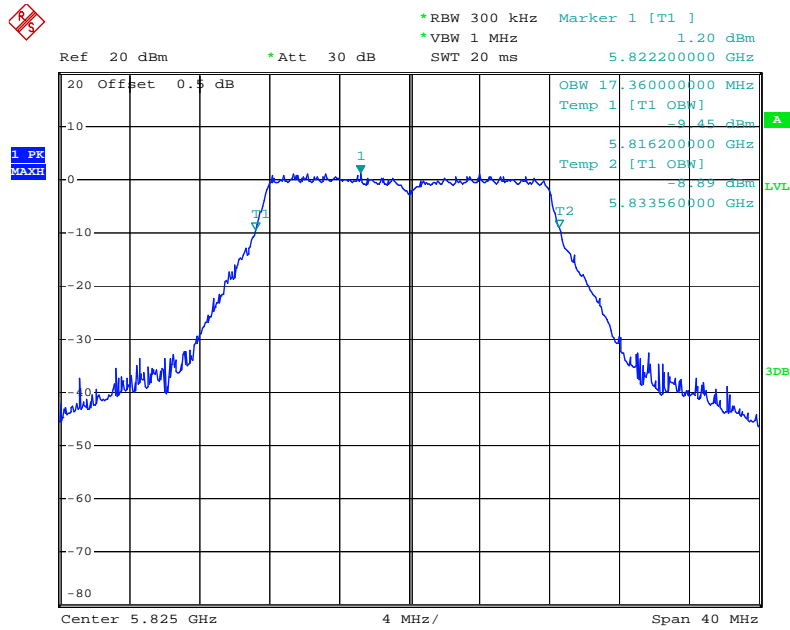
Date: 4.AUG.2021 11:14:26

802.11a Middle Channel



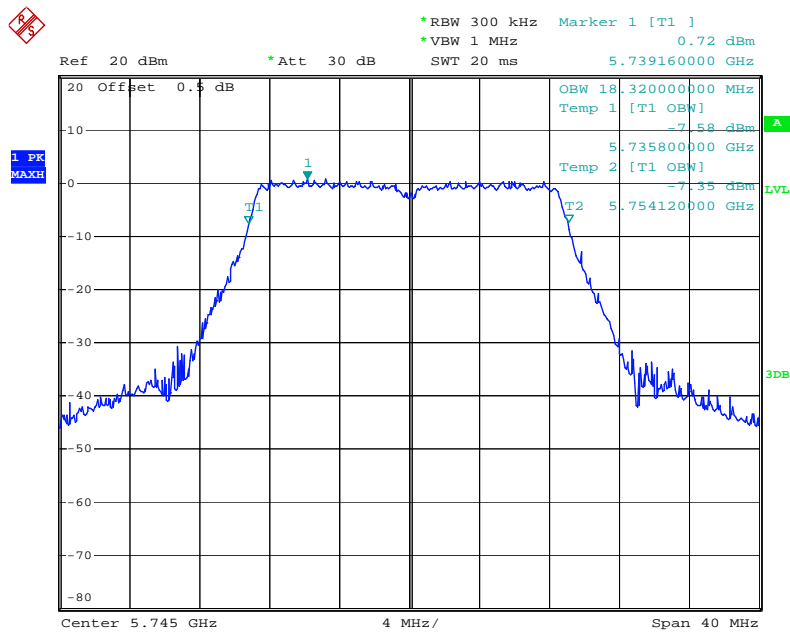
Date: 4.AUG.2021 11:15:58

802.11a High Channel



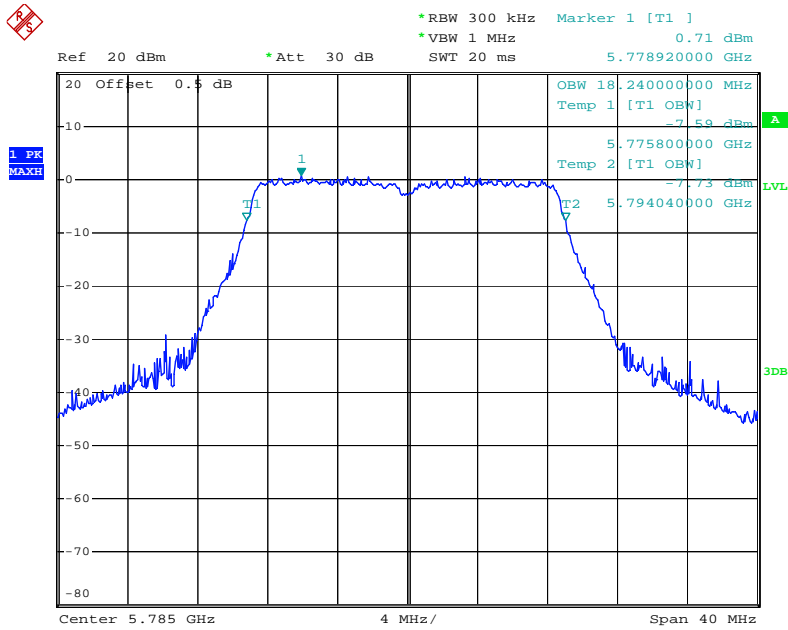
Date: 4.AUG.2021 11:16:55

802.11n ht20 Low Channel



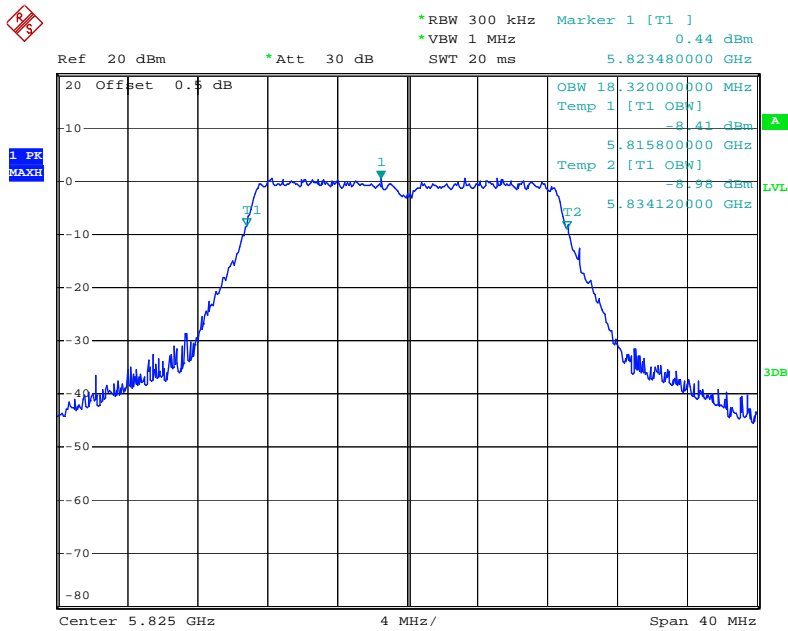
Date: 4.AUG.2021 11:18:27

802.11n ht20 Middle Channel



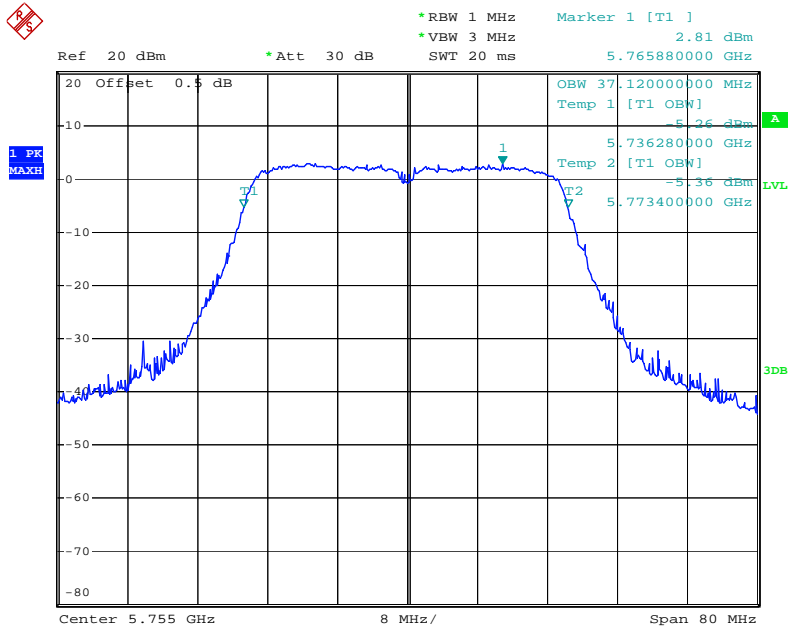
Date: 4.AUG.2021 11:19:43

802.11n ht20 High Channel



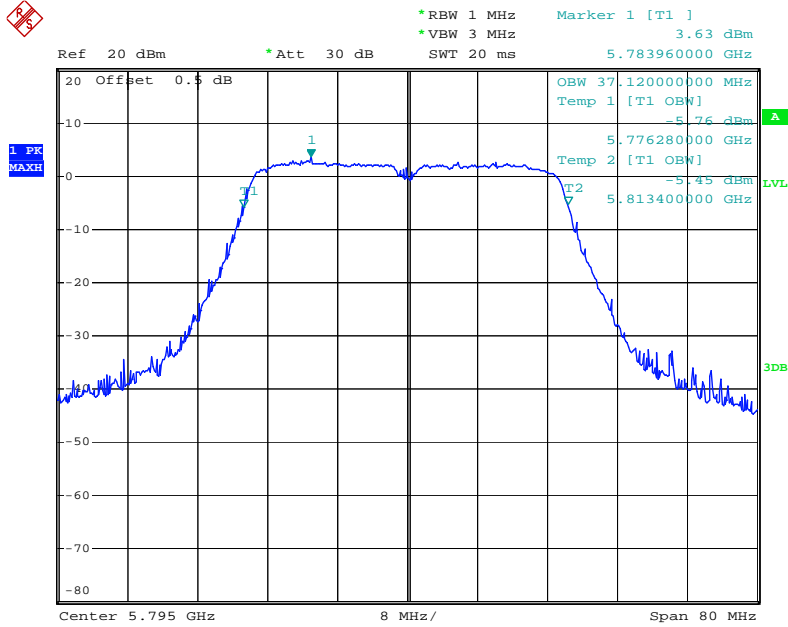
Date: 4.AUG.2021 11:20:49

802.11n ht40 Low Channel



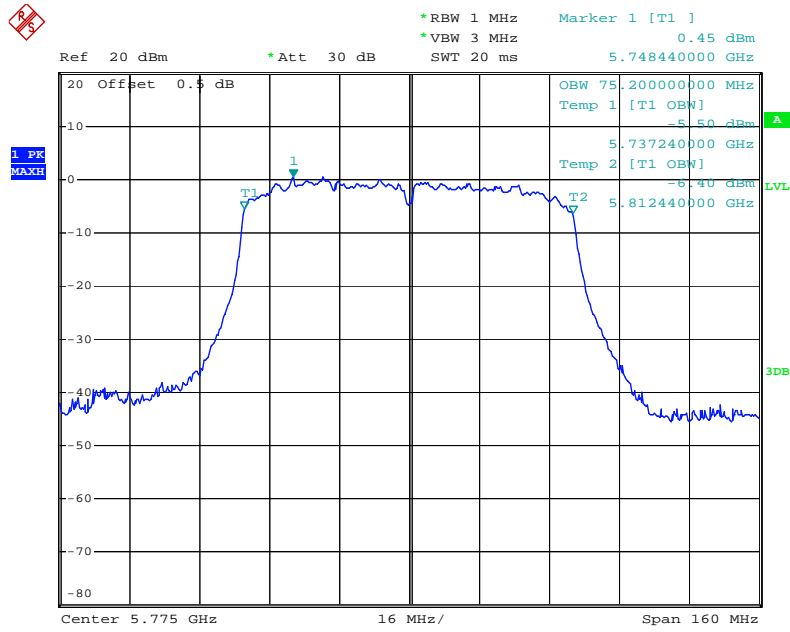
Date: 4.AUG.2021 11:22:18

802.11n ht40 High Channel



Date: 4.AUG.2021 11:24:33

802.11ac vht80 Middle Channel



Date: 4.AUG.2021 11:25:59

FCC §15.407(a) –MAXIMUM CONDUCTED OUTPUT POWER

Applicable Standard

According to FCC §15.407(a)

(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
E-Microwave	Blocking Control	EMDCB-00036	0E01201047	2021-05-06	2022-05-05
E-Microwave	Coaxial Attenuators	EMCA10-5RN-6	OE01203239	2020-09-06	2021-09-06
Agilent	USB Wideband Power Sensor	U2022XA	MY5417006	2020-09-12	2021-09-12

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

Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Test Data

Environmental Conditions

Temperature:	28.1~28.3 °C
Relative Humidity:	51~62 %
ATM Pressure:	99.3~99.7 kPa
Test by:	Joe Qiao
Test Date:	2021-08-04~2021-08-05

Test Mode: Transmitting

Band	Mode	Channel	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)	Limit (dBm)
5150 - 5250 MHz	802.11 a	Low	5180	13.84	24
		Middle	5200	13.91	
		High	5240	13.82	
	802.11n ht20	Low	5180	13.56	
		Middle	5200	13.74	
		High	5240	13.97	
	802.11n ht40	Low	5190	13.29	
		High	5230	13.37	
	802.11ac vht80	Middle	5210	13.27	
5250 - 5350 MHz	802.11 a	Low	5260	13.31	24
		Middle	5280	13.22	
		High	5320	13.16	
	802.11n ht20	Low	5260	13.29	
		Middle	5280	13.32	
		High	5320	13.15	
	802.11n ht40	Low	5270	13.54	
		High	5310	13.49	
	802.11ac vht80	Middle	5290	13.73	
5470 - 5725 MHz	802.11 a	Low	5500	12.58	24
		Middle	5580	12.27	
		High	5700	12.41	
		Additional	5720	12.44	
	802.11n ht20	Low	5500	12.56	
		Middle	5580	12.12	
		High	5700	12.38	
		Additional	5720	12.39	
	802.11n ht40	Low	5510	12.24	
		Middle	5550	12.29	
		High	5670	12.36	
		Additional	5710	12.37	
	802.11ac vht80	Low	5530	12.33	
		Additional	5610	12.34	
		High	5690	12.48	
5725 - 5850 MHz	802.11 a	Low	5745	11.69	30
		Middle	5785	11.76	
		High	5825	11.95	
	802.11n ht20	Low	5745	11.55	
		Middle	5785	11.26	
		High	5825	11.83	
	802.11n ht40	Low	5755	11.51	
		High	5795	11.44	
	802.11ac vht80	Middle	5775	11.16	

Note:
 The duty cycle factor has been calculated into the test data.

FCC §15.407(a) - POWER SPECTRAL DENSITY

Applicable Standard

According to FCC §15.407(a)

(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 v02r01

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2021-07-07	2022-07-07
Unknown	Coaxial Cable	C-SJ00-0010	C0010/01	Each time	N/A

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

Test Data

Environmental Conditions

Temperature:	28.1~28.3 °C
Relative Humidity:	51~62 %
ATM Pressure:	99.3~99.7 kPa
Test by:	Joe Qiao
Test Date:	2021-08-04~2021-08-05

Test Mode: Transmitting

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

5150-5250MHz:

Mode	Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
802.11a	5180	-0.84	11
	5200	-0.57	11
	5240	-0.80	11
802.11n ht20	5180	-0.86	11
	5200	-0.89	11
	5240	-0.96	11
802.11n ht40	5190	-4.25	11
	5230	-3.84	11
802.11ac vht80	5210	-6.70	11

5250-5350MHz:

Mode	Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
802.11a	5260	-1.55	11
	5280	-1.27	11
	5320	-0.40	11
802.11n ht20	5260	-1.66	11
	5280	-1.34	11
	5320	-0.61	11
802.11n ht40	5270	-3.90	11
	5310	-3.04	11
802.11ac vht80	5290	-6.34	11

5470-5725MHz:

Mode	Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
802.11a	5500	-2.30	11
	5580	-1.25	11
	5700	-1.24	11
	5720	-1.22	11
802.11n ht20	5500	-2.61	11
	5580	-1.39	11
	5700	-1.40	11
	5720	-1.63	11
802.11n ht40	5510	-4.71	11
	5550	-4.25	11
	5670	-3.95	11
	5710	-3.79	11
802.11ac vht80	5530	-7.11	11
	5610	-6.35	11
	5690	-6.52	11

5725-5850 MHz:

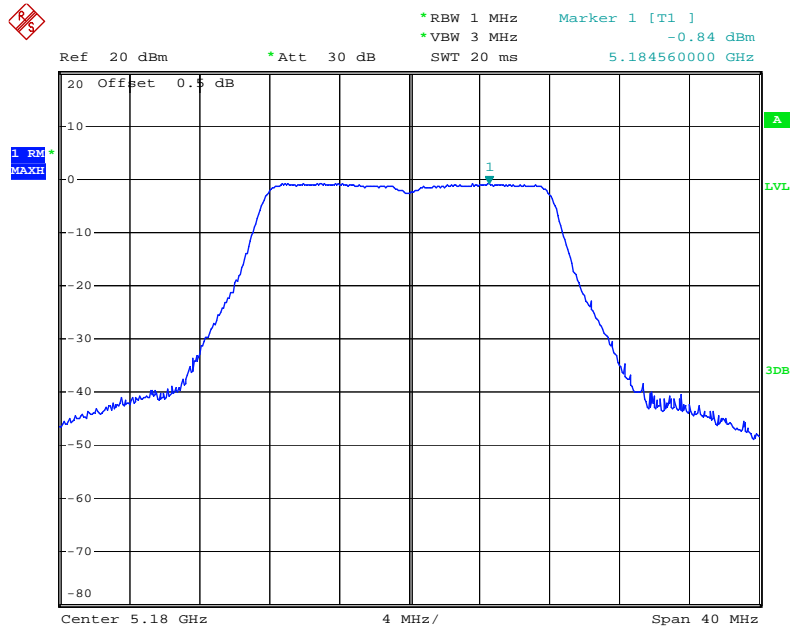
Mode	Frequency (MHz)	Reading (dBm/300kHz)	Maximum Power Spectral Density (dBm/500kHz)	Limit (dBm/MHz)
802.11a	5745	-5.60	-3.38	30
	5785	-5.92	-3.70	30
	5825	-5.62	-3.40	30
802.11n ht20	5745	-4.93	-2.71	30
	5785	-5.15	-2.93	30
	5825	-5.20	-2.98	30
802.11n ht40	5755	-8.65	-6.43	30
	5795	-8.59	-6.37	30
802.11ac vht80	5775	-11.41	-9.19	30

For 5.8GHz band, If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

Method SA-3 in KDB 789033 D02 General UNII Test Procedures New Rules v02r01 was used for PSD test.

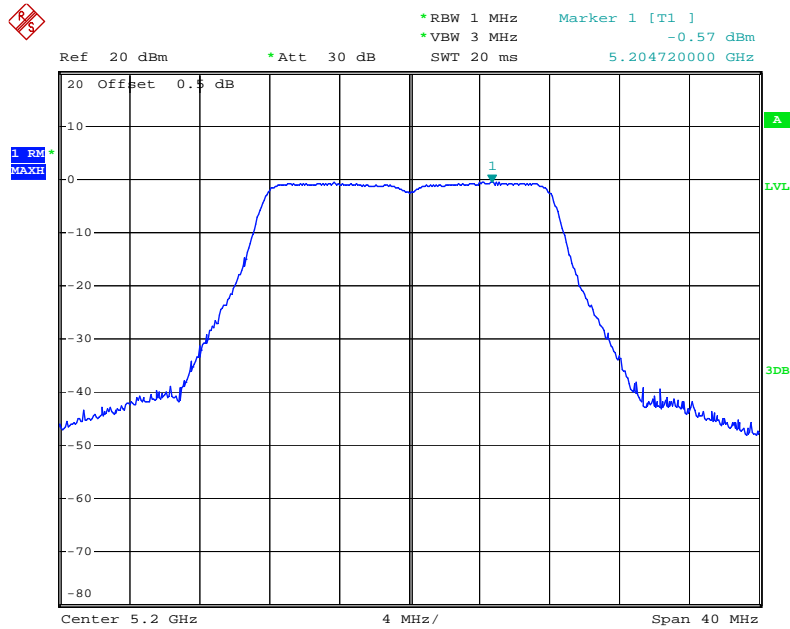
5150-5250MHz

802.11a Low Channel



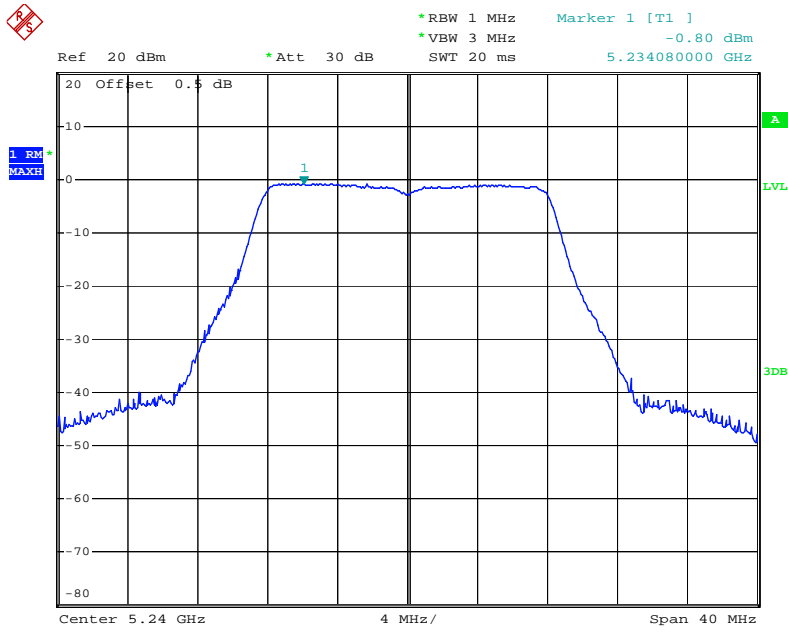
Date: 4.AUG.2021 10:21:34

802.11a Middle Channel



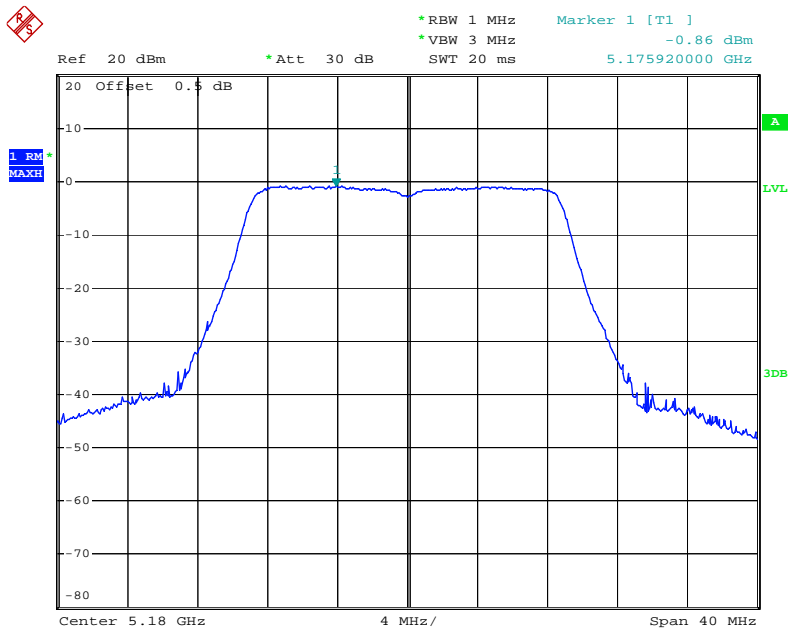
Date: 4.AUG.2021 10:23:42

802.11a High Channel



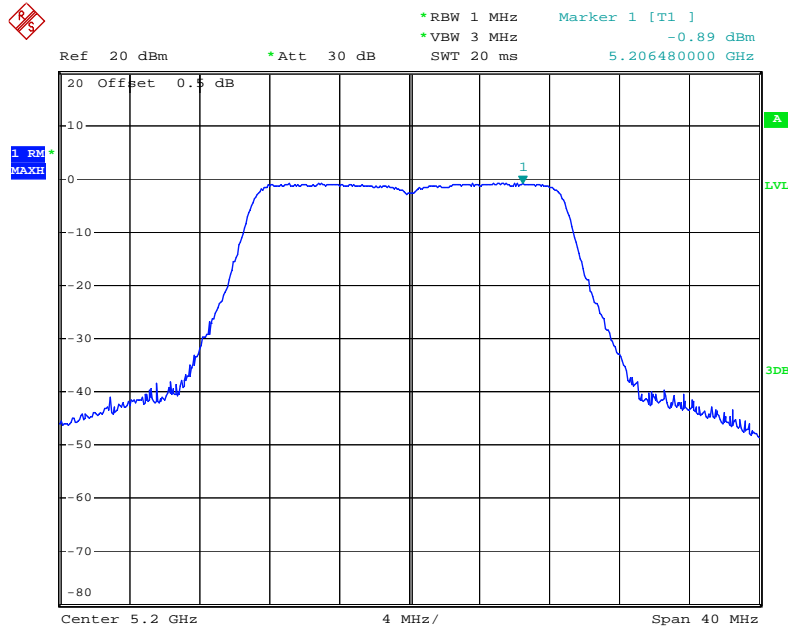
Date: 4.AUG.2021 10:24:51

802.11n ht20 Low Channel



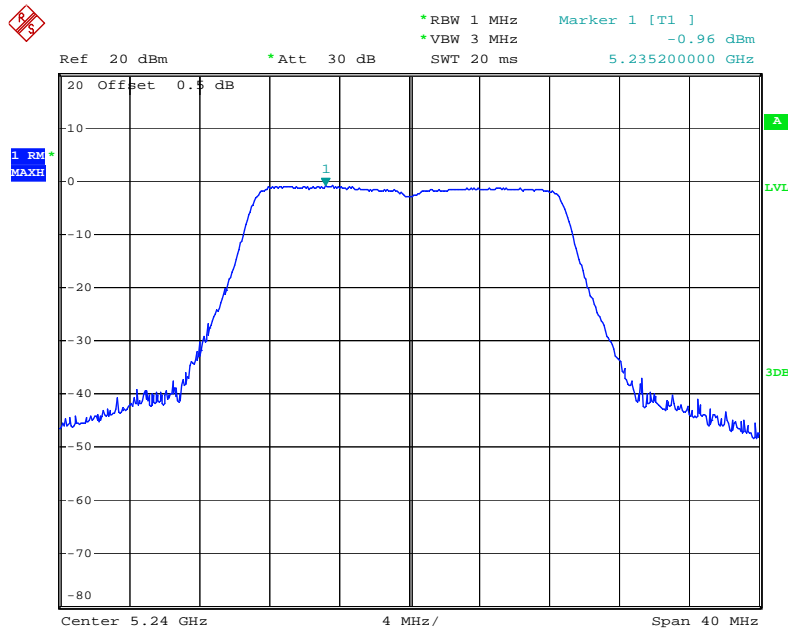
Date: 4.AUG.2021 10:32:54

802.11n ht20 Middle Channel



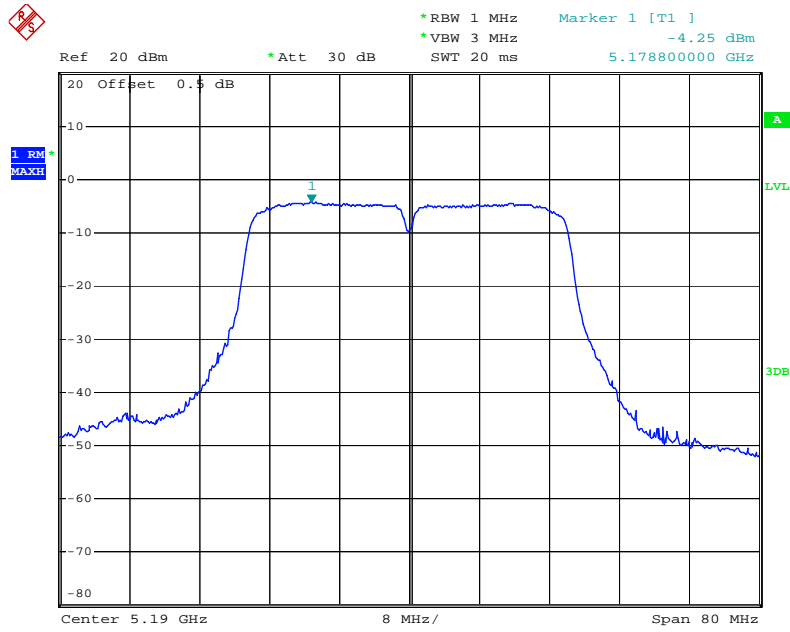
Date: 4.AUG.2021 10:34:16

802.11n ht20 High Channel



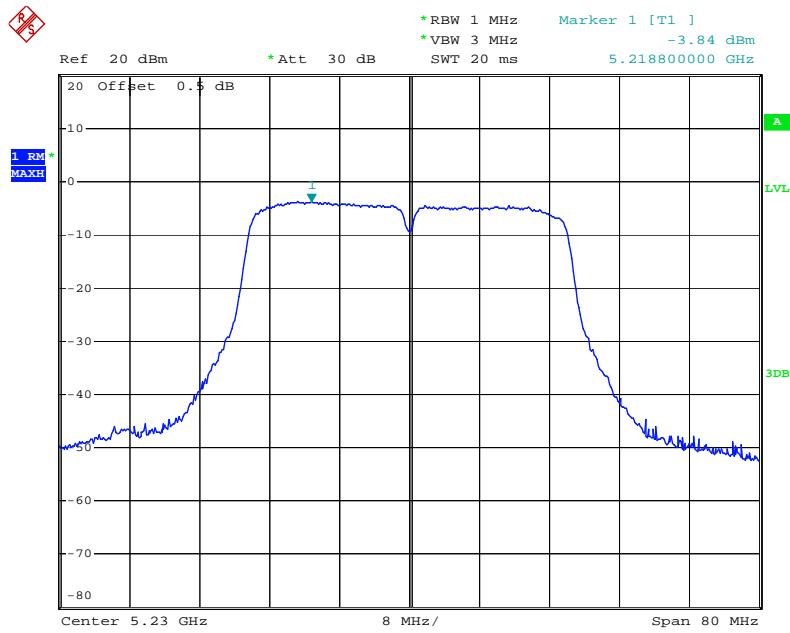
Date: 4.AUG.2021 10:35:23

802.11n ht40 Low Channel



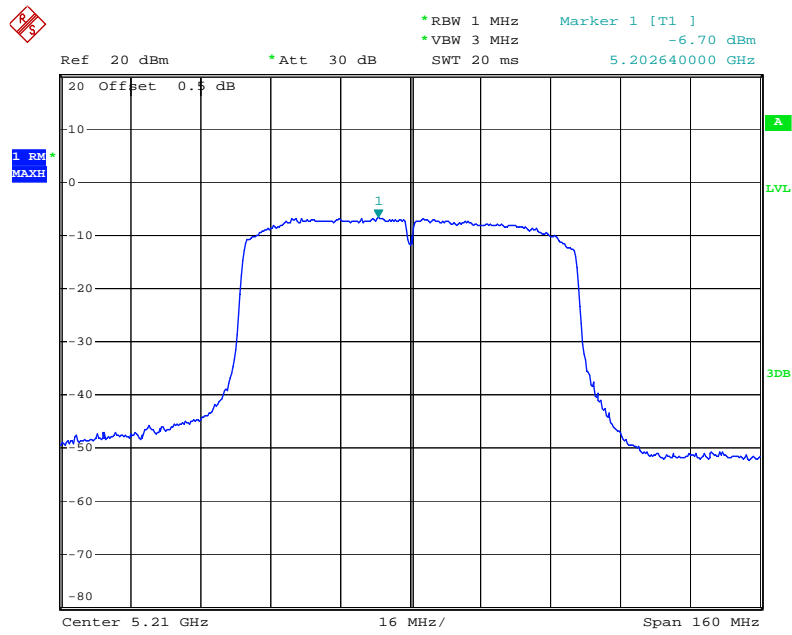
Date: 4.AUG.2021 10:37:14

802.11n ht40 High Channel



Date: 4.AUG.2021 10:38:23

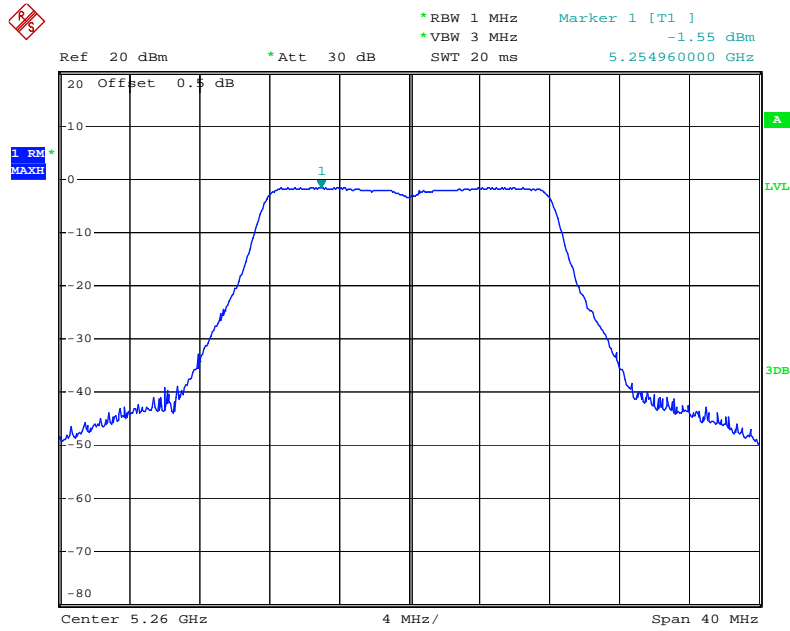
802.11ac vht80 Middle Channel



Date: 4.AUG.2021 10:39:31

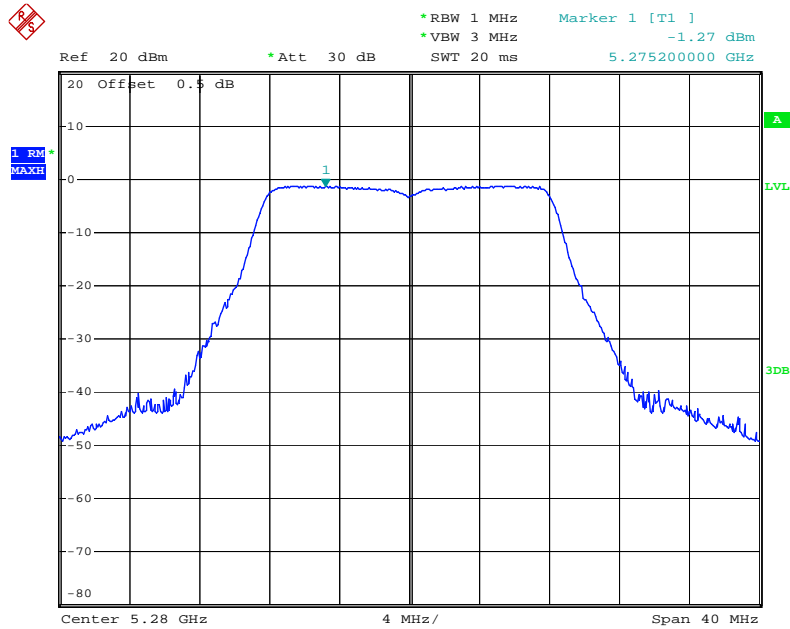
5250-5350MHz

802.11a Low Channel



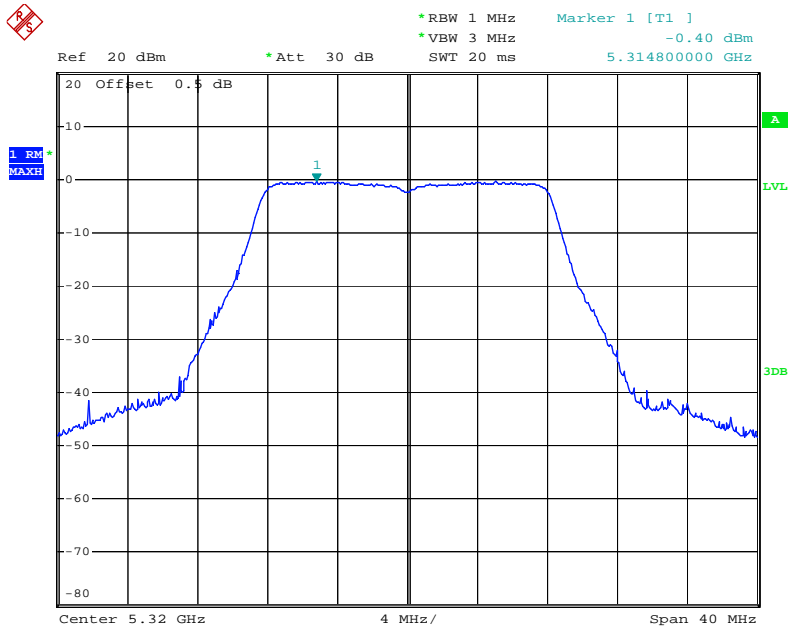
Date: 4.AUG.2021 10:42:44

802.11a Middle Channel



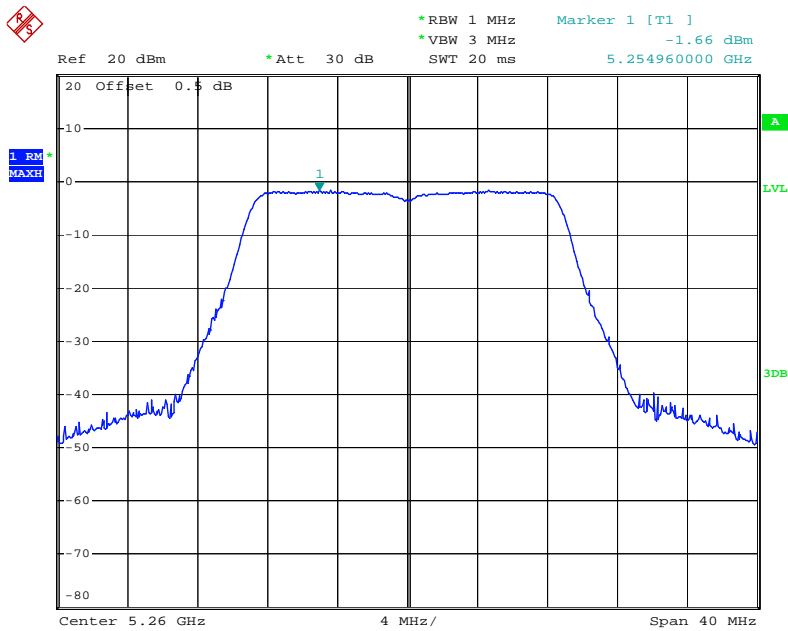
Date: 4.AUG.2021 10:43:47

802.11a High Channel



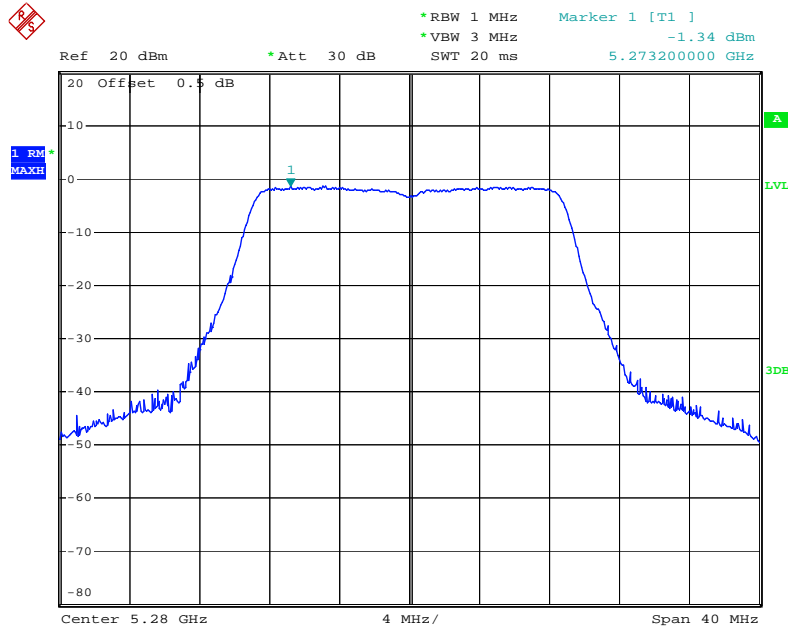
Date: 4.AUG.2021 10:45:50

802.11n ht20 Low Channel



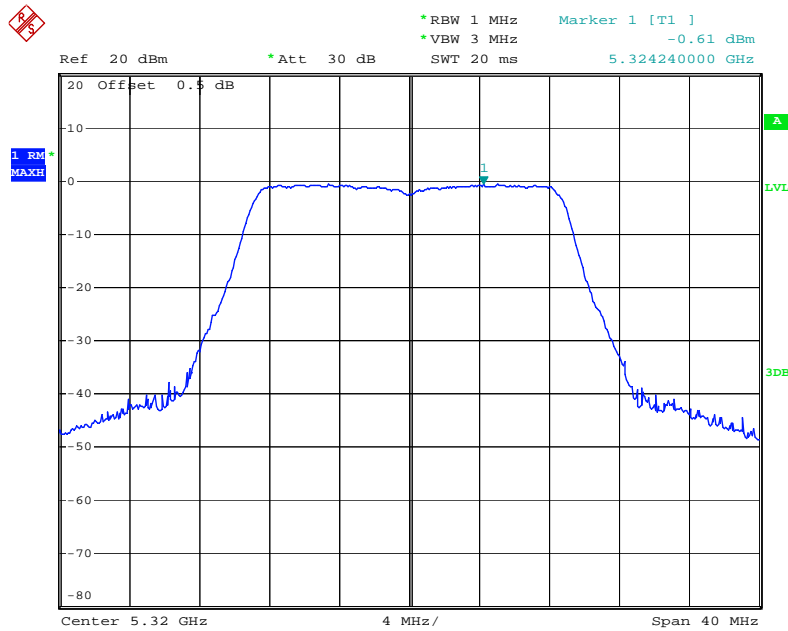
Date: 4.AUG.2021 10:47:31

802.11n ht20 Middle Channel



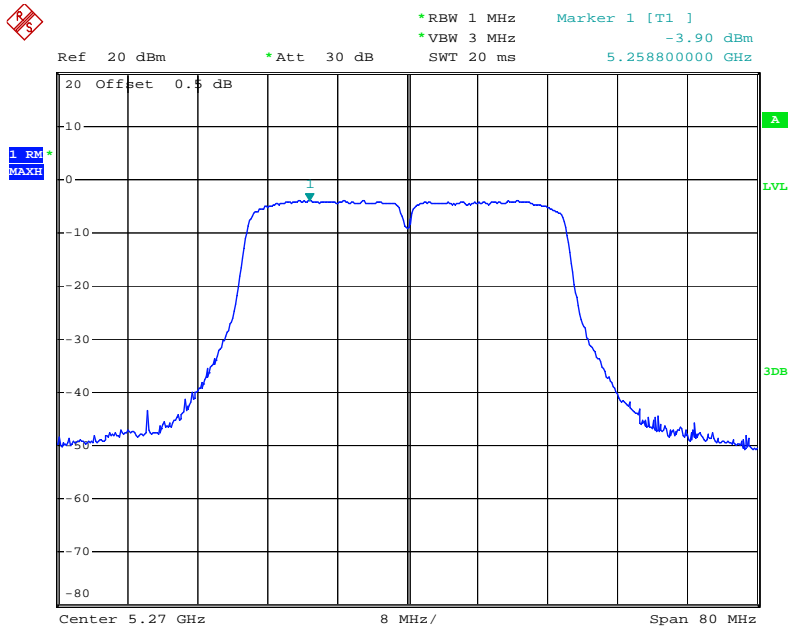
Date: 4.AUG.2021 10:48:32

802.11n ht20 High Channel



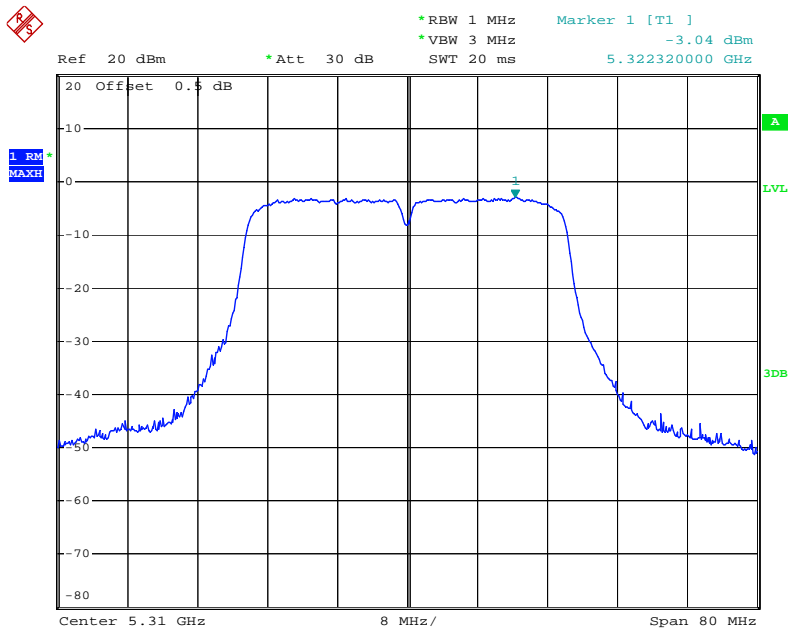
Date: 4.AUG.2021 10:49:38

802.11n ht40 Low Channel



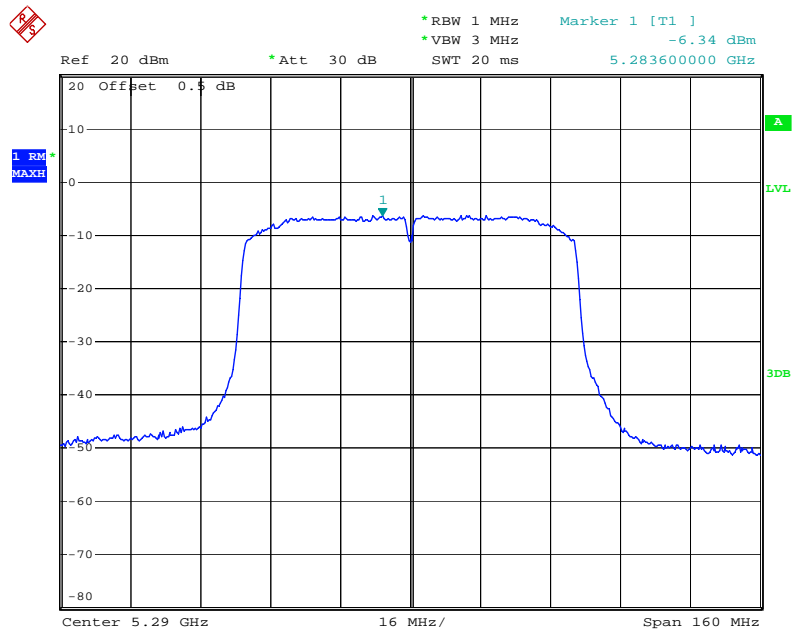
Date: 4.AUG.2021 10:51:05

802.11n ht40 High Channel



Date: 4.AUG.2021 10:52:14

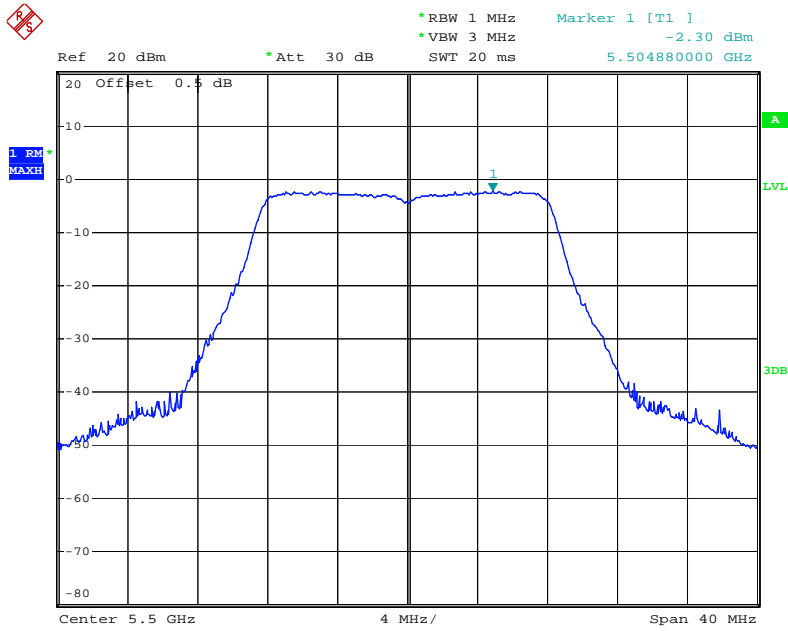
802.11ac vht80 Middle Channel



Date: 4.AUG.2021 10:53:30

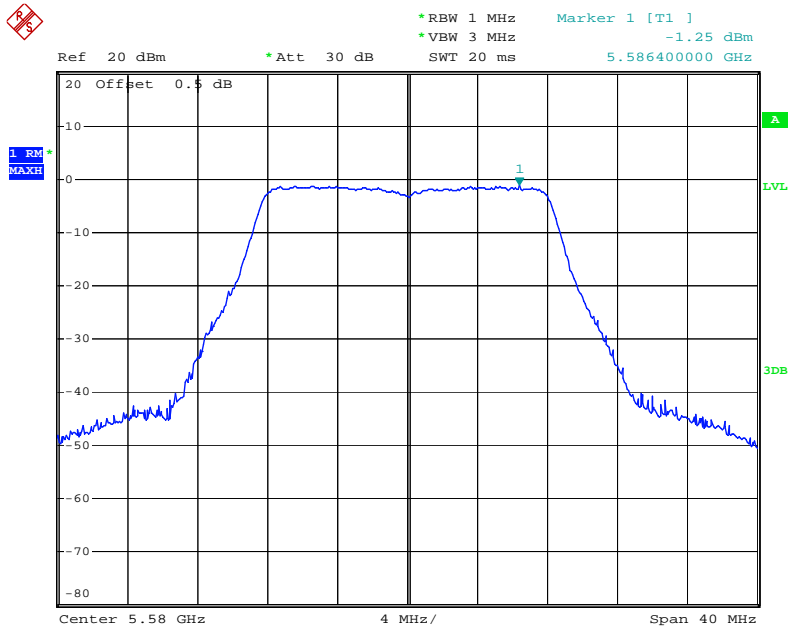
5470-5725MHz

802.11a Low Channel



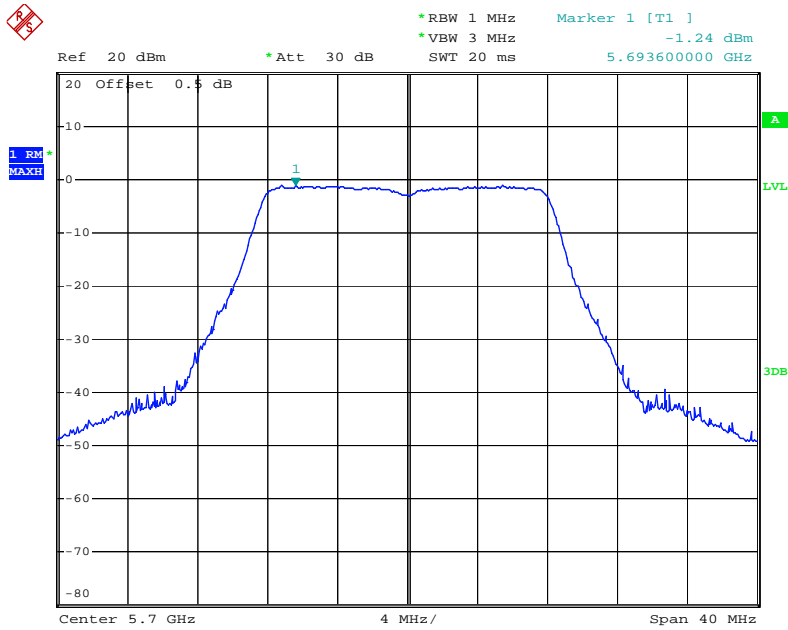
Date: 4.AUG.2021 10:55:52

802.11a Middle Channel



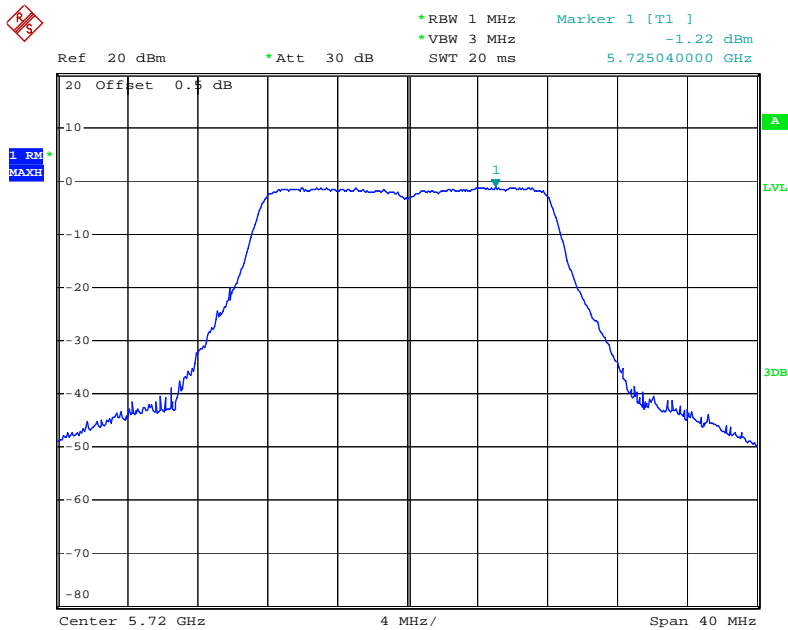
Date: 4.AUG.2021 10:56:58

802.11a High Channel



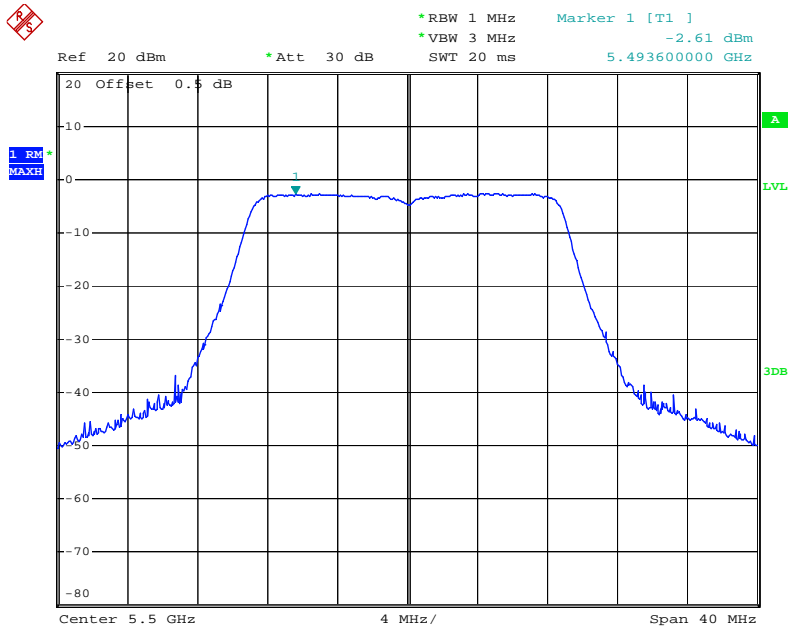
Date: 4.AUG.2021 10:58:03

802.11a Additional Channel



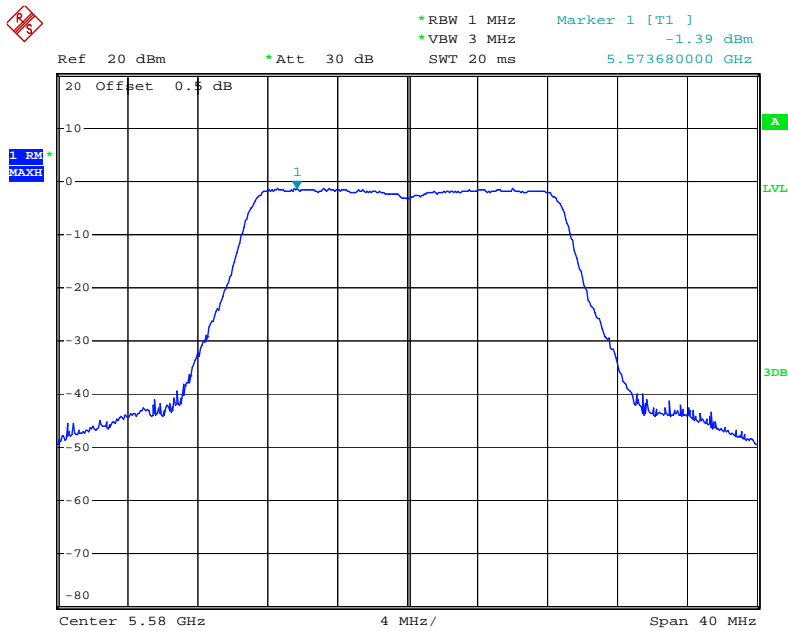
Date: 5.AUG.2021 11:38:44

802.11n ht20 Low Channel



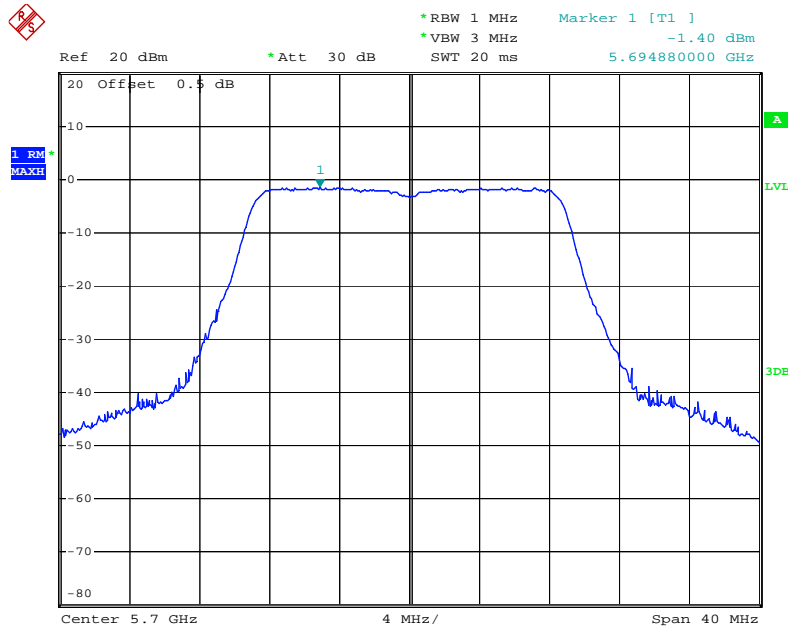
Date: 4.AUG.2021 10:59:39

802.11n ht20 Middle Channel



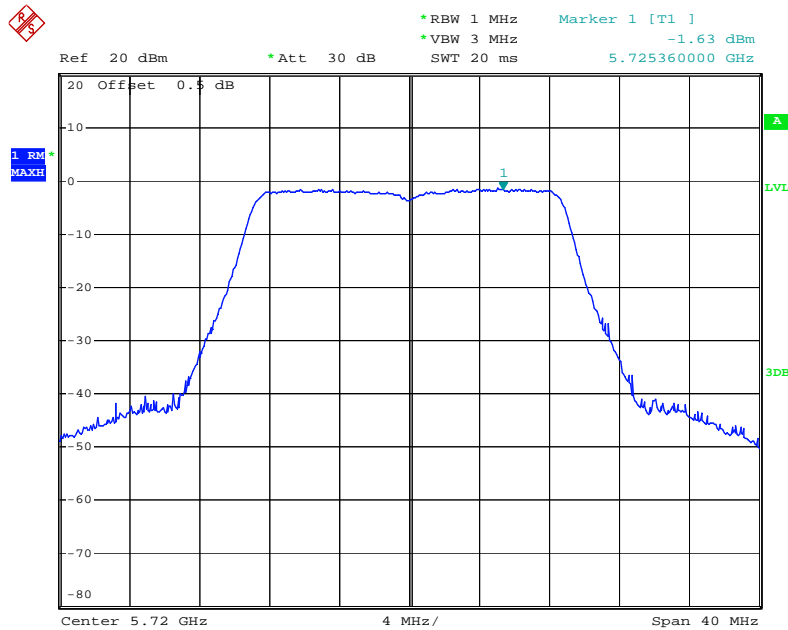
Date: 4.AUG.2021 11:00:45

802.11n ht20 High Channel



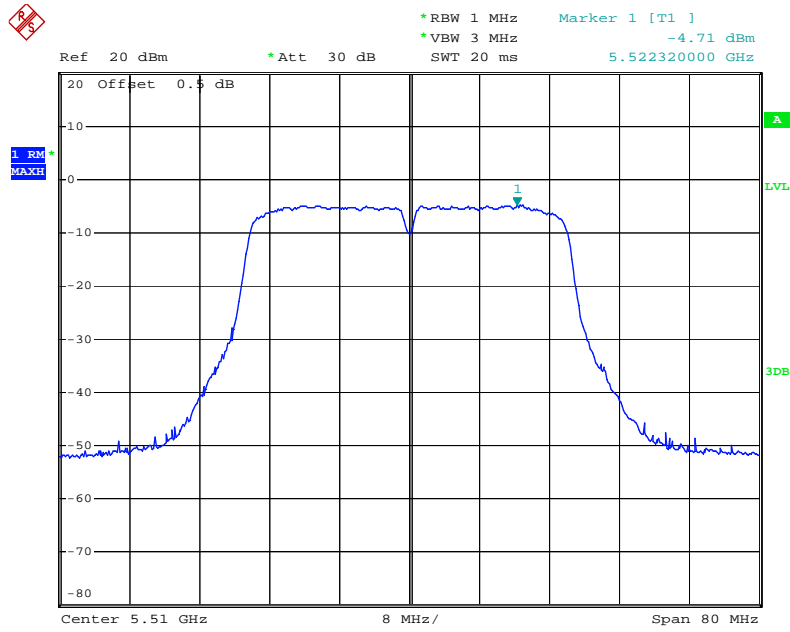
Date: 4.AUG.2021 11:01:58

802.11n ht20 Additional Channel



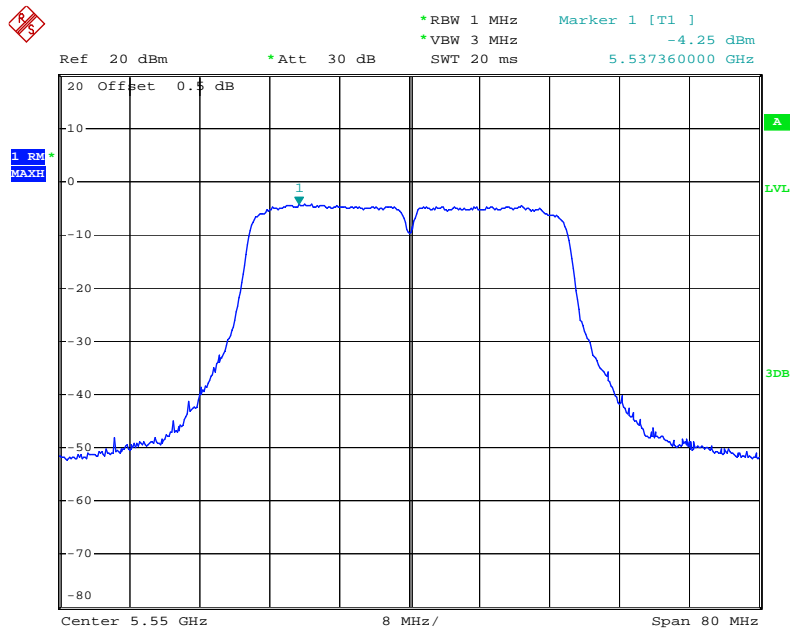
Date: 5.AUG.2021 11:39:27

802.11n ht40 Low Channel



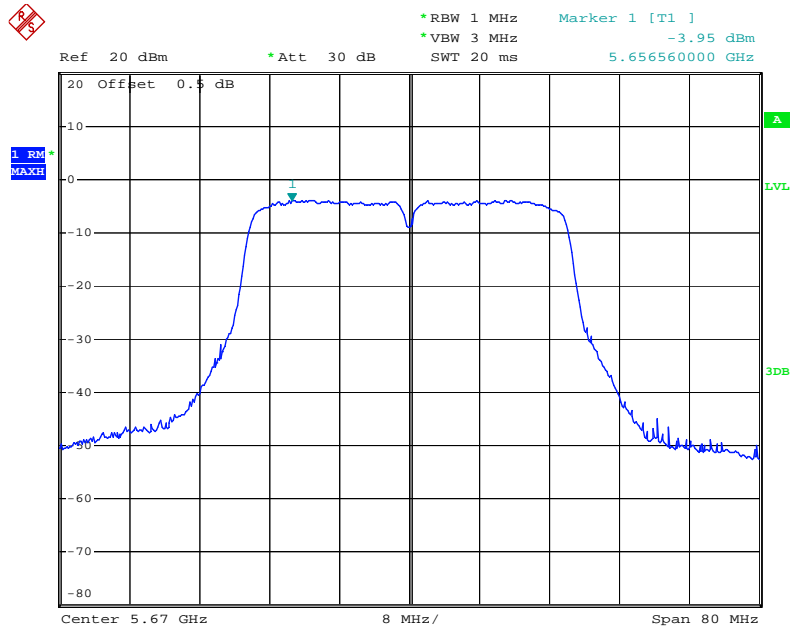
Date: 4.AUG.2021 11:03:08

802.11n ht40 Middle Channel



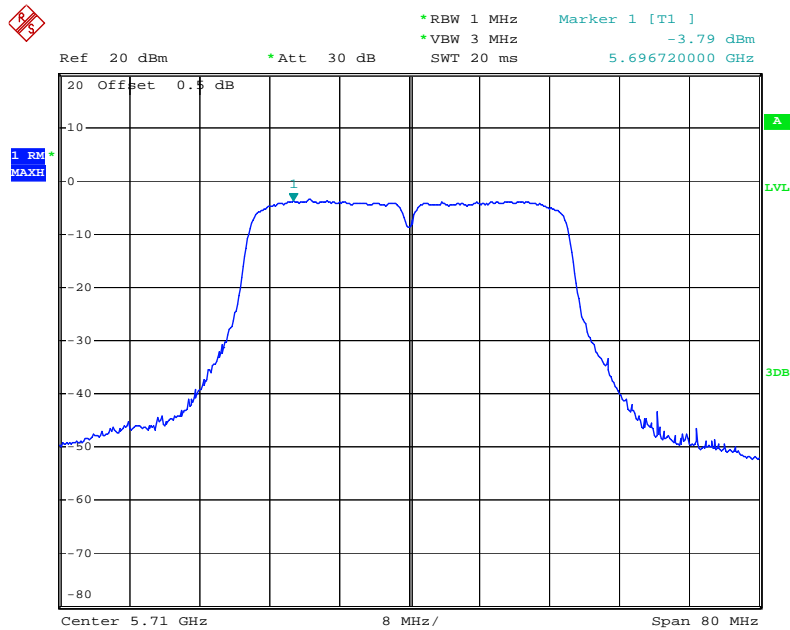
Date: 4.AUG.2021 11:04:18

802.11n ht40 High Channel



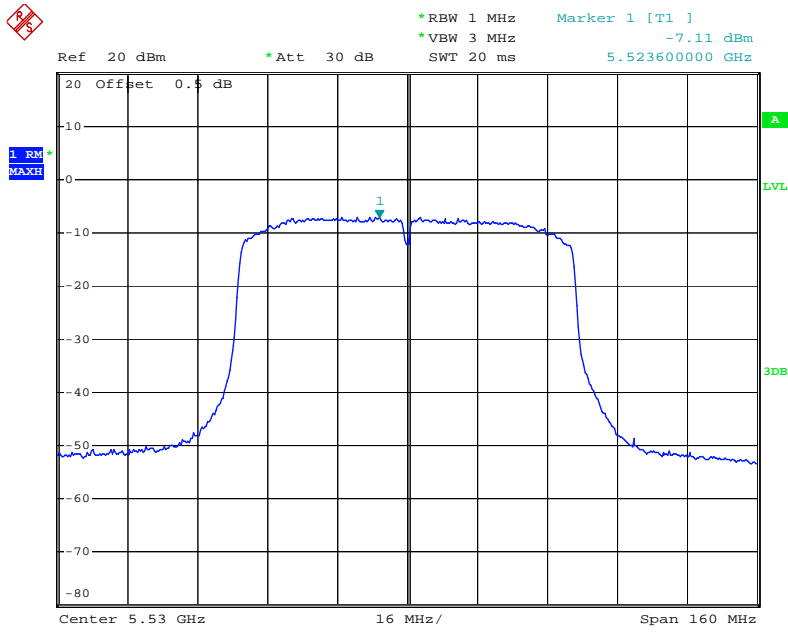
Date: 4.AUG.2021 11:05:23

802.11n ht40 Additional Channel



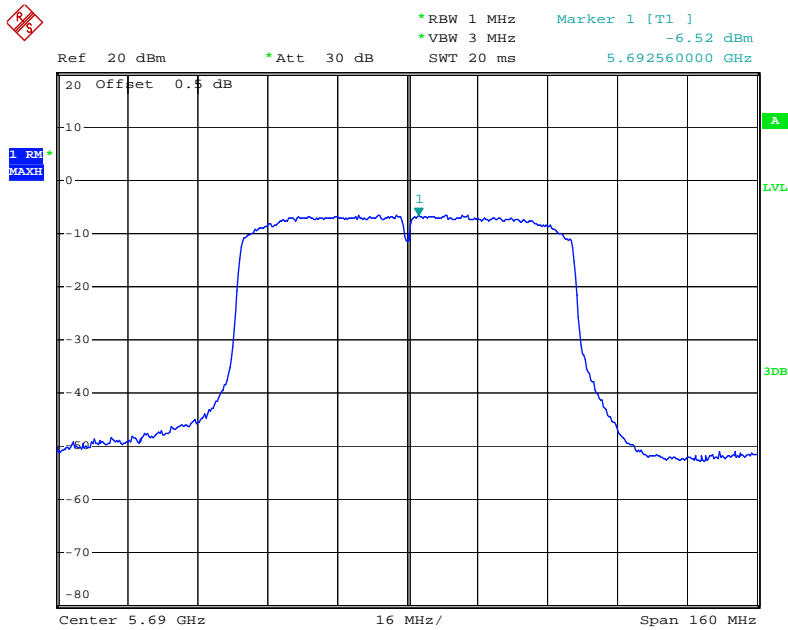
Date: 5.AUG.2021 11:36:56

802.11ac vht80 Low Channel



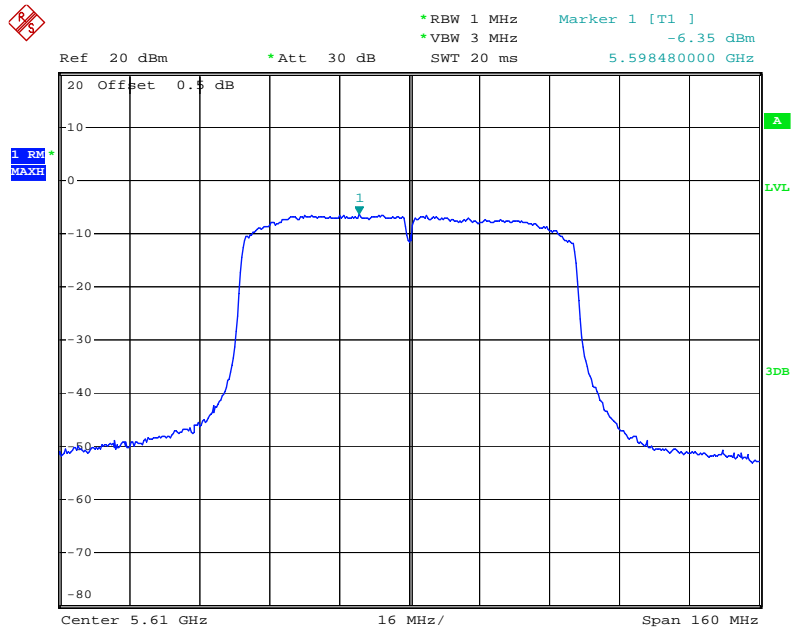
Date: 4.AUG.2021 11:06:58

802.11ac vht80 High Channel



Date: 4.AUG.2021 11:07:58

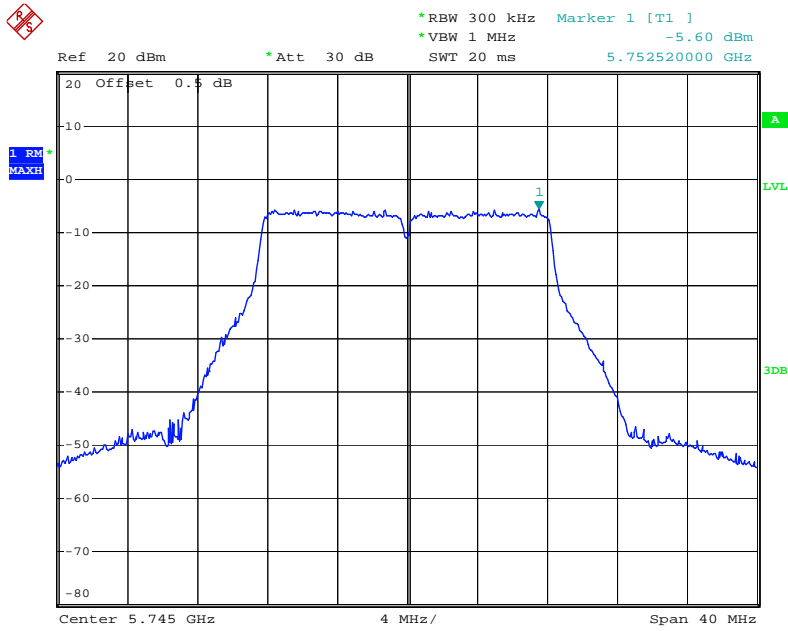
802.11ac vht80 Additional Channel



Date: 5.AUG.2021 11:40:53

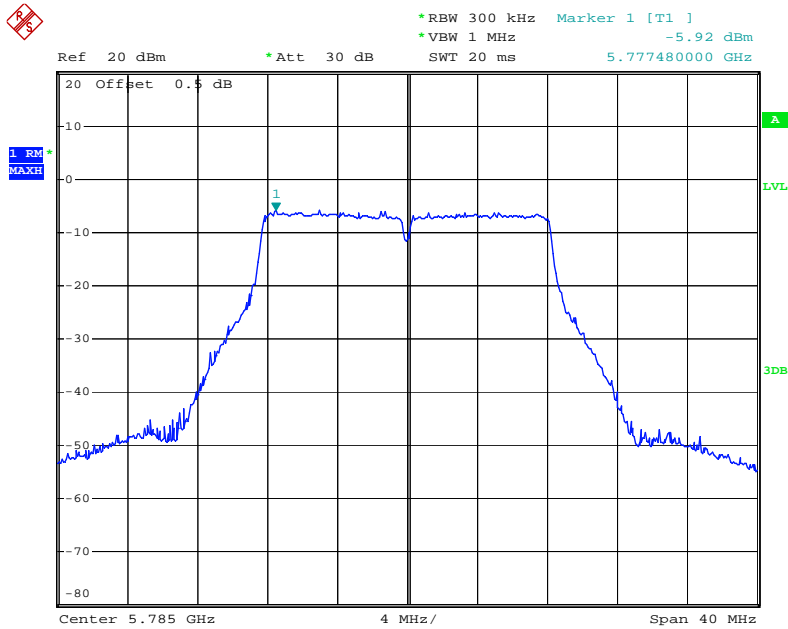
5725-5850MHz

802.11a Low Channel



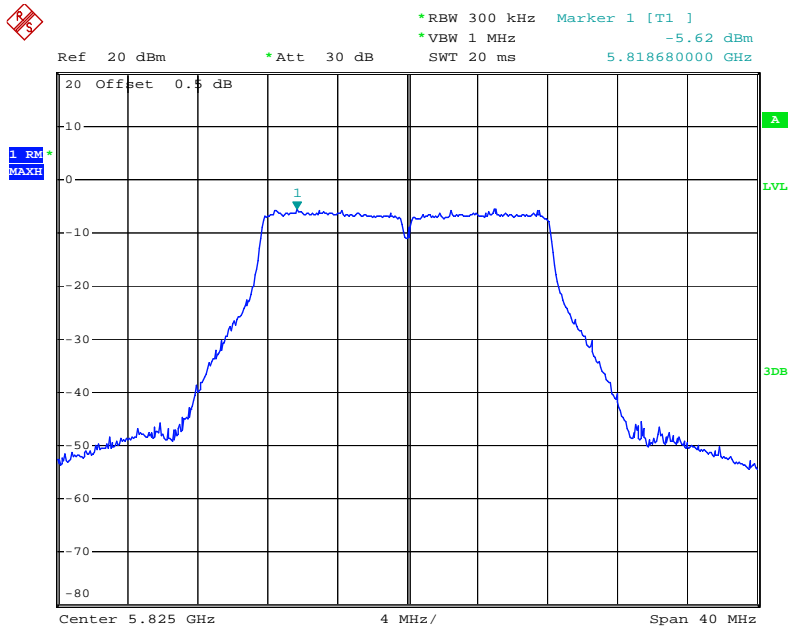
Date: 4.AUG.2021 11:14:37

802.11a Middle Channel



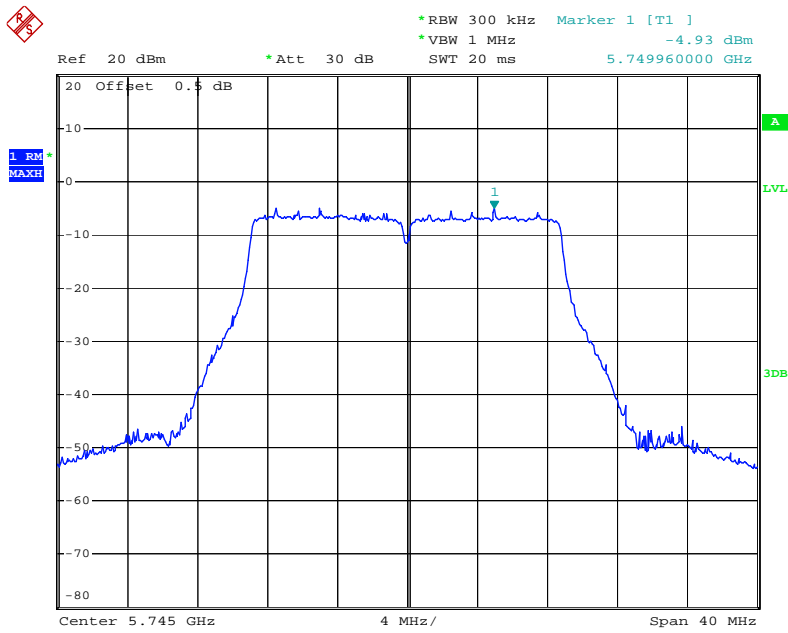
Date: 4.AUG.2021 11:16:10

802.11a High Channel



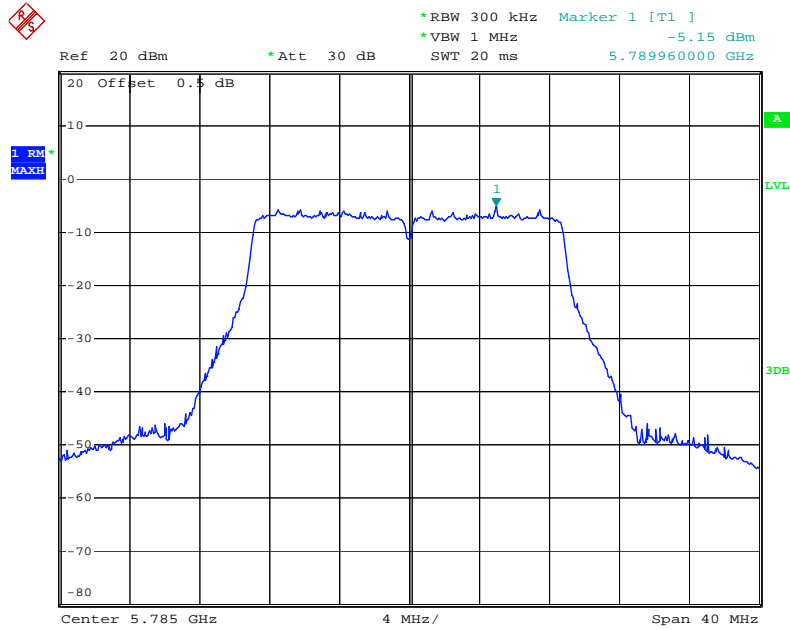
Date: 4.AUG.2021 11:17:06

802.11n ht20 Low Channel



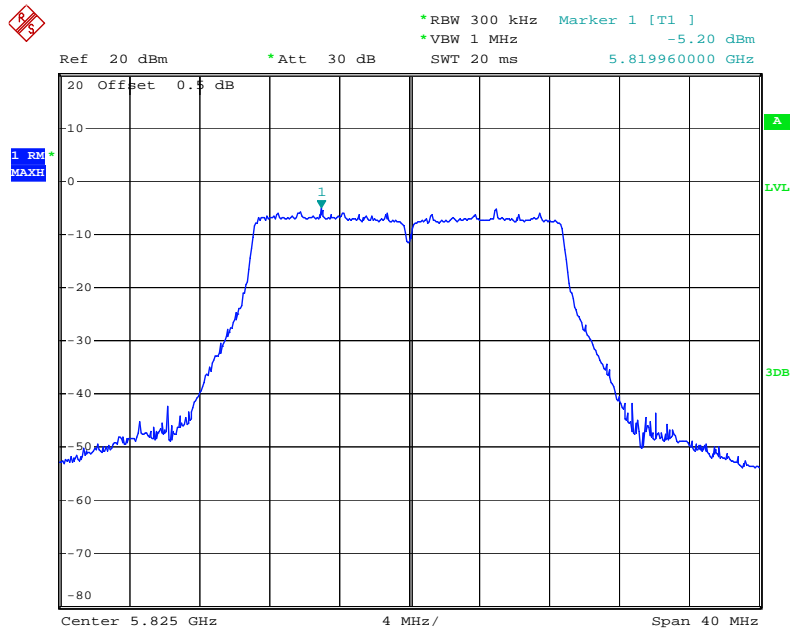
Date: 4.AUG.2021 11:18:38

802.11n ht20 Middle Channel



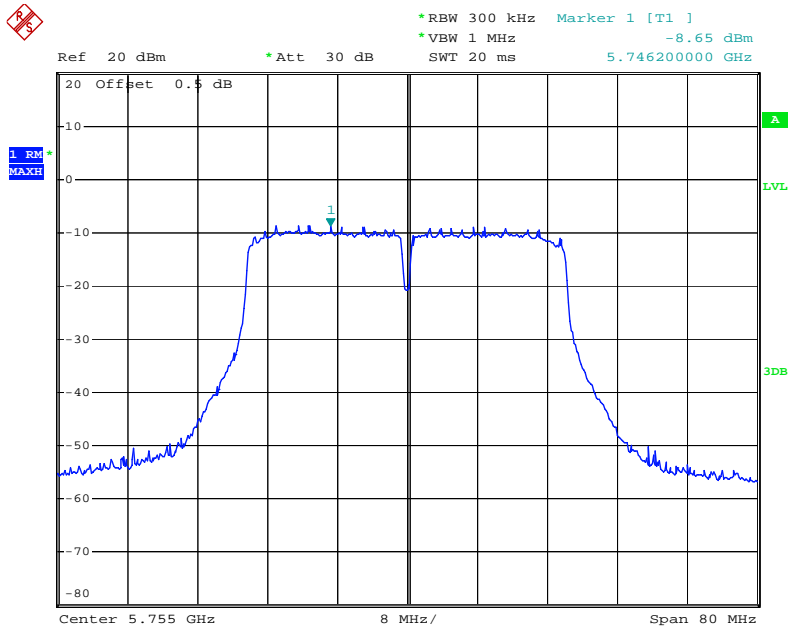
Date: 4.AUG.2021 11:19:55

802.11n ht20 High Channel



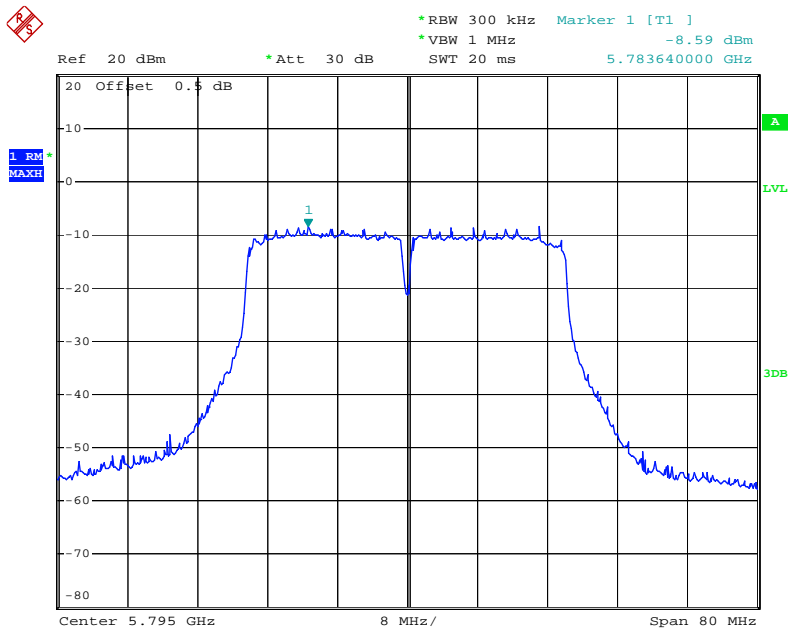
Date: 4.AUG.2021 11:21:00

802.11n ht40 Low Channel



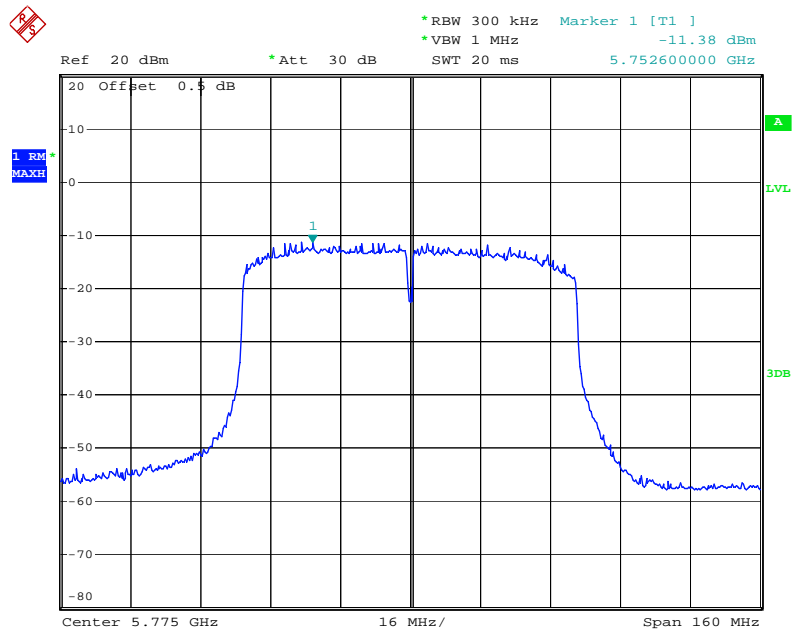
Date: 4.AUG.2021 11:22:30

802.11n ht40 High Channel



Date: 4.AUG.2021 11:24:45

802.11ac vht80 Middle Channel



Date: 4.AUG.2021 11:26:11

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