



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: AKUVOX (XIAMEN) NETWORKS CO., LTD.

Address: 10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China

FCC ID: 2AHCR-S567W

Product Name: Indoor Monitor

Standard(s): 47 CFR Part 15, Subpart E(15.407)

ANSI C63.10-2013

KDB 789033 D02 General U-NII Test Procedures New
Rules v02r01

The above equipment has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: CR230208483-00D

Date Of Issue: 2023/7/11

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang 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. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

China Certification ICT Co., Ltd (Dongguan) 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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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR230208483-00D	Original Report	2023/7/11

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

1.1.1 General:

EUT Name:	Indoor Monitor
EUT Model:	S567W
Operation Frequency:	5180-5240 MHz (802.11a/n ht20/ac vht20/ax hew20) 5190-5230 MHz(802.11n ht40/ac vht40/ax hew40) 5210 MHz(802.11ac vht80/ax hew80) 5260-5320 MHz (802.11a/n ht20/ac vht20/ax hew20) 5270-5310 MHz(802.11n ht40/ac vht40/ax hew40) 5290 MHz(802.11ac vht80/ax hew80) 5500-5720 MHz (802.11a/n ht20/ac vht20/ax hew20) 5510-5710 MHz(802.11n ht40/ac vht40/ax hew40) 5530-5690 MHz(802.11ac vht80/ax hew80) 5745-5825 MHz (802.11a/n ht20/ac vht20/ax hew20) 5755-5795 MHz(802.11n ht40/ac vht40/ax hew40) 5775 MHz(802.11ac vht80/ax hew80)
Maximum Average Output Power (Conducted):	15.08dBm (5150-5250 MHz) 17.22 dBm (5250-5350 MHz) 15.53 dBm (5470-5725 MHz) 16.81 dBm (5725-5850 MHz)
Modulation Type:	802.11a/n/ac:OFDM-BPSK, QPSK, 16QAM, 64QAM 802.11ax: OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Rated Input Voltage:	DC 12V from Adapter or DC 48V From PoE
Serial Number:	22ID_3
EUT Received Date:	2023/2/28
EUT Received Status:	Good
Note: Test was only performed with DC 12V power mode, since it is the worst mode per test for BLE report.	

1.1.2 Operation Frequency Detail: For 802.11a/n ht20/ac vht20/ax hew20:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	52	5260	100	5500	149	5745
40	5200	56	5280	104	5520	153	5765
44	5220	60	5300	108	5540	157	5785
48	5240	64	5320	112	5560	161	5805
/	/	/	/	116	5580	165	5825
/	/	/	/	120	5600	/	/
/	/	/	/	124	5620	/	/
/	/	/	/	128	5640	/	/
/	/	/	/	132	5660	/	/
/	/	/	/	136	5680	/	/
/	/	/	/	140	5700	/	/
/	/	/	/	144	5720	/	/
Per section 15.31(m), the above in bold frequencies were performed the test.							

For 802.11n ht40/ac vht40/ax hew40:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270	102	5510	151	5755
46	5230	62	5310	110	5550	159	5795
/	/	/	/	118	5590	/	/
/	/	/	/	126	5630	/	/
/	/	/	/	134	5670	/	/
/	/	/	/	142	5710	/	/
Per section 15.31(m), the above in bold frequencies were performed the test.							

For 802.11ac vht80/ax hew80:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	58	5290	106	5530	155	5775
/	/	/	/	122	5610	/	/
/	/	/	/	138	5690	/	/
Per section 15.31(m), the above in bold frequencies were performed the test.							

Note: Additional channels cross the band 5470-5725MHz and 5725-5850 MHz, Conducted output power/ Power Spectral Density/bandwidth test with the additional channel to compliance with stricter limit of the two bands (5470-5725MHz more stricter).

1.1.3 Antenna Information Detail▲:

Antenna Chain	Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
5G Chain 0 (ANT 1)	Word Easy Electronics Co.,Ltd.	PCB	50	5150-5250MHz	3.0 dBi
				5250-5350MHz	2.9 dBi
				5470-5725MHz	3.8 dBi
				5725-5850 MHz	3.2 dBi
5G Chain 1 (ANT 2)				5150-5250MHz	4.1 dBi
				5250-5350MHz	3.8 dBi
				5470-5725MHz	3.7 dBi
				5725-5850 MHz	3.9 dBi

The Method of §15.203 Compliance:

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

1.1.4 Accessory Information:

Accessory Description	Manufacturer	Model
/	/	/

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
EUT Exercise Software:	cmd

The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer ▲:

5150-5250 MHz Band:

Test Modes	Test Channels	Test Frequency	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5180	6Mbps	17	17
	Middle	5200	6Mbps	17	17
	Highest	5240	6Mbps	17	17
802.11n ht20	Lowest	5180	MCS0	15	15
	Middle	5200	MCS0	15	15
	Highest	5240	MCS0	15	15
802.11n ht40	Lowest	5190	MCS0	14	14
	Highest	5230	MCS0	14	14
802.11ac vht80	Middle	5210	MCS0	15	15

5250-5350 MHz Band:

Test Modes	Test Channels	Test Frequency	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5260	6Mbps	18	18
	Middle	5280	6Mbps	18	18
	Highest	5320	6Mbps	18	18
802.11n ht20	Lowest	5260	MCS0	17	17
	Middle	5280	MCS0	17	17
	Highest	5320	MCS0	17	17
802.11n ht40	Lowest	5270	MCS0	16	16
	Highest	5310	MCS0	16	16
802.11ac vht80	Middle	5290	MCS0	15	15

5470-5725 MHz Band:					
Test Modes	Test Channels	Test Frequency	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5500	6Mbps	18	18
	Middle	5580	6Mbps	18	18
	Highest	5700	6Mbps	18	18
	Cross	5720	6Mbps	18	18
802.11n ht20	Lowest	5500	MCS0	16	16
	Middle	5580	MCS0	16	16
	Highest	5700	MCS0	16	16
	Cross	5720	MCS0	16	16
802.11n ht40	Lowest	5510	MCS0	15	15
	Middle	5550	MCS0	15	15
	Highest	5670	MCS0	15	15
	Cross	5710	MCS0	15	15
802.11ac vht80	Lowest	5530	MCS0	15	15
	Highest	5610	MCS0	15	15
	Cross	5690	MCS0	15	15

5725-5850 MHz Band:					
Test Modes	Test Channels	Test Frequency	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5745	6Mbps	18	18
	Middle	5785	6Mbps	18	18
	Highest	5825	6Mbps	18	18
802.11n ht20	Lowest	5745	MCS0	17	17
	Middle	5785	MCS0	17	17
	Highest	5825	MCS0	17	17
802.11n ht40	Lowest	5755	MCS0	15	15
	Highest	5795	MCS0	15	15
802.11ac vht80	Middle	5775	MCS0	15	15

5150-5250 MHz Band:					
Test Modes	setting	Test Channels	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11ax hew20	5180	26/0	MCS8	16	16
		52/37	MCS8	16	16
		106/53	MCS8	16	16
		242/61	MCS8	16	16
	5200	26/0	MCS8	16	16
		52/37	MCS8	16	16
		106/53	MCS8	16	16
		242/61	MCS8	16	16
	5240	26/8	MCS8	16	16
		52/40	MCS8	16	16
		106/54	MCS8	16	16
		242/61	MCS8	16	16
802.11ax hew40	5190	26/0	MCS8	16	16
		52/37	MCS8	16	16
		106/53	MCS8	16	16
		242/61	MCS8	16	16
		484/65	MCS8	16	16
	5230	26/17	MCS8	16	16
		52/44	MCS8	16	16
		106/56	MCS8	16	16
		242/62	MCS8	16	16
		484/65	MCS8	16	16
802.11ax hew80	5210	26/0	MCS8	16	16
		52/37	MCS8	16	16
		106/53	MCS8	16	16
		242/61	MCS8	16	16
		484/65	MCS8	16	16
		996/67	MCS8	16	16

5250-5350 MHz Band:					
Test Modes	setting	Test Channels	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11ax hew20	5260	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13
	5280	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13
	5320	26/8	MCS8	13	13
		52/40	MCS8	13	13
		106/54	MCS8	13	13
		242/61	MCS8	13	13
802.11ax hew40	5270	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13
		484/65	MCS8	13	13
	5310	26/17	MCS8	13	13
		52/44	MCS8	13	13
		106/56	MCS8	13	13
		242/62	MCS8	13	13
		484/65	MCS8	13	13
802.11ax hew80	5290	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13
		484/65	MCS8	13	13
		996/67	MCS8	13	13

5470-5725 MHz Band:					
Test Modes	setting	Test Channels	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11ax hew20	5500	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13
	5580	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13
	5700	26/8	MCS8	13	13
		52/40	MCS8	13	13
		106/54	MCS8	13	13
		242/61	MCS8	13	13
	5720	26/8	MCS8	13	13
		52/40	MCS8	13	13
		106/54	MCS8	13	13
		242/61	MCS8	13	13
802.11ax hew40	5510	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13
		484/65	MCS8	13	13
	5550	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13
		484/65	MCS8	13	13
	5670	26/17	MCS8	13	13
		52/44	MCS8	13	13
		106/56	MCS8	13	13
		242/62	MCS8	13	13
		484/65	MCS8	13	13
	5710	26/17	MCS8	13	13
		52/44	MCS8	13	13
		106/56	MCS8	13	13
		242/62	MCS8	13	13
		484/65	MCS8	13	13
802.11ax hew80	5530	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13
		484/65	MCS8	13	13
		996/67	MCS8	13	13
	5610	26/0	MCS8	13	13
		52/37	MCS8	13	13
		106/53	MCS8	13	13
		242/61	MCS8	13	13

		484/65	MCS8	13	13
		996/67	MCS8	13	13
	5690	26/36	MCS8	13	13
		52/52	MCS8	13	13
		106/60	MCS8	13	13
		242/64	MCS8	13	13
		484/66	MCS8	13	13
		996/67	MCS8	13	13

5725-5850 MHz Band:					
Test Modes	setting	Test Channels	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11ax hew20	5745	26/0	MCS8	17	17
		52/37	MCS8	17	17
		106/53	MCS8	17	17
		242/61	MCS8	17	17
	5785	26/0	MCS8	17	17
		52/37	MCS8	17	17
		106/53	MCS8	17	17
		242/61	MCS8	17	17
	5825	26/8	MCS8	17	17
		52/40	MCS8	17	17
		106/54	MCS8	17	17
		242/61	MCS8	17	17
802.11ax hew40	5755	26/0	MCS8	16	16
		52/37	MCS8	16	16
		106/53	MCS8	16	16
		242/61	MCS8	16	16
		484/65	MCS8	16	16
	5795	26/17	MCS8	16	16
		52/44	MCS8	16	16
		106/56	MCS8	16	16
		242/62	MCS8	16	16
		484/65	MCS8	16	16
802.11ax hew80	5775	26/0	MCS8	15	15
		52/37	MCS8	15	15
		106/53	MCS8	15	15
		242/61	MCS8	15	15
		484/65	MCS8	15	15
		996/67	MCS8	15	15

Note:
 The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80/ ax hew20/ ax hew 40/ ax hew 80, the vht20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40.
 The device supports SISO in all modes and and MIMO in 802.11n/ac/ax modes, per pretest, 2T2R mode was the worst mode and reported.
 The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.

1.2.2 Support Equipment List and Details

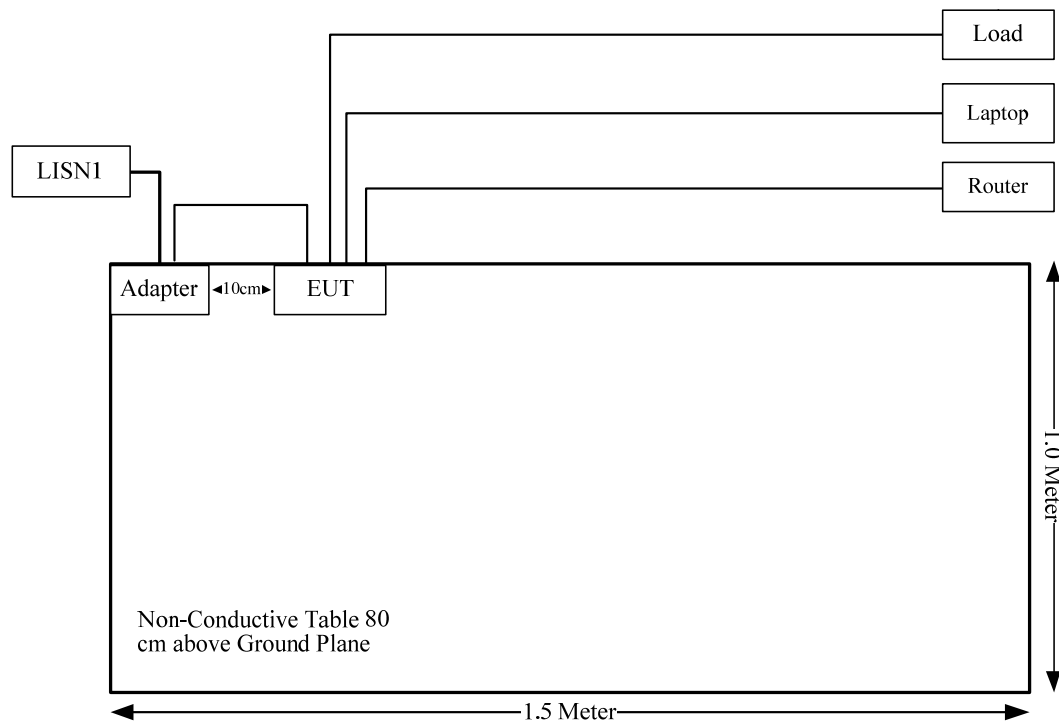
Manufacturer	Description	Model	Serial Number
ZIONCOM	Router	MB-R210-00	R16Y06M271022
DEBOM	DC Adapter	DBS012A-1201000J	DBS012A-1201000J
Unknown	Relay Load	Relay-C1	EMRLLD20221010EN
Lenovo	Laptop	E450	PF-OMR8KV

1.2.3 Support Cable List and Details

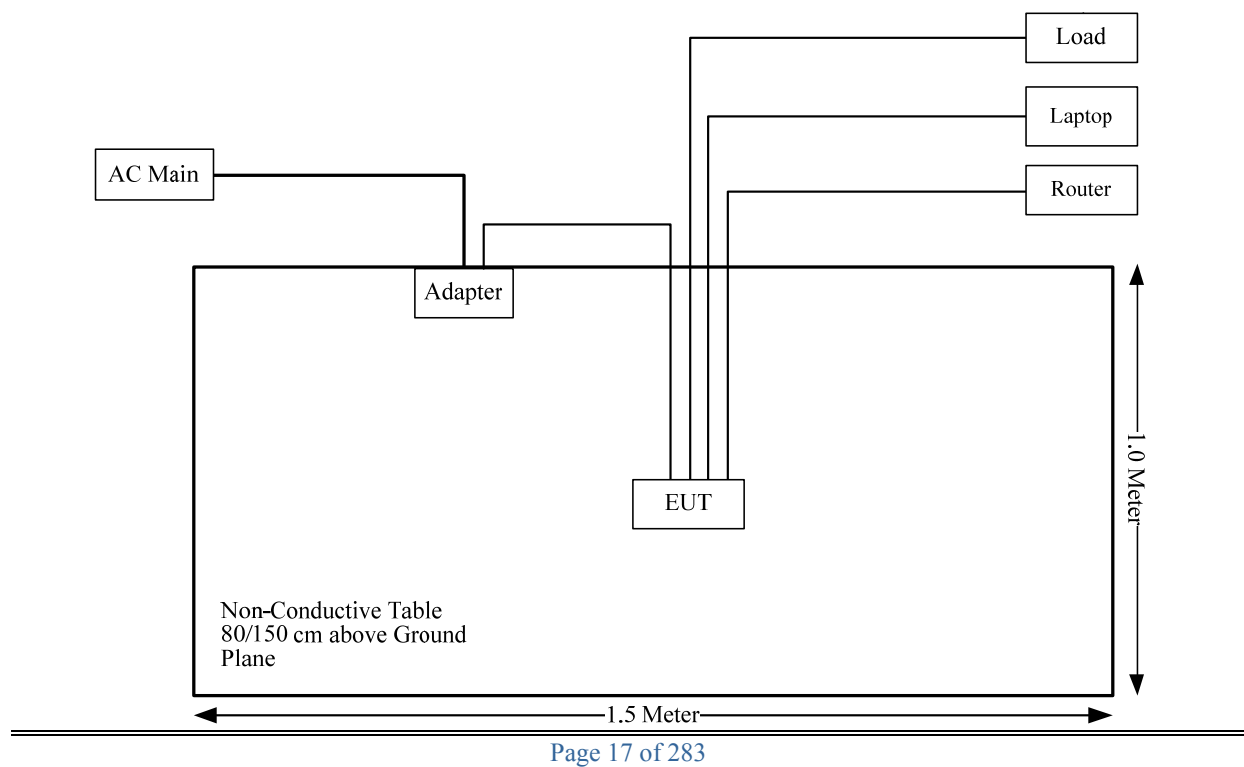
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
DC Cable	No	No	1.2	Adapter	EUT
RS485 Cable	No	No	5	EUT	Relay Load
RS485 Cable	No	No	5	EUT	Router
RJ45 Cable	No	No	5	EUT	Laptop

1.2.4 Block Diagram of Test Setup

AC line conducted emissions:



Spurious Emissions:



1.3 Measurement Uncertainty

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.

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: 4.15 dB, 200M~1GHz: 5.61 dB, 1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

Standard(s) Section	Test Items	Result
FCC§15.207(a)	AC line conducted emissions	Compliant
FCC§15.205& §15.209 &§15.407(b)	Radiated Spurious Emissions	Compliant
FCC§15.407(a) (e)	Emission Bandwidth	Compliant
FCC§15.407(a)	Conducted Transmitter Output Power	Compliant
FCC§15.407 (a)	Power Spectral Density	Compliant
FCC§15.203	Antenna Requirement	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

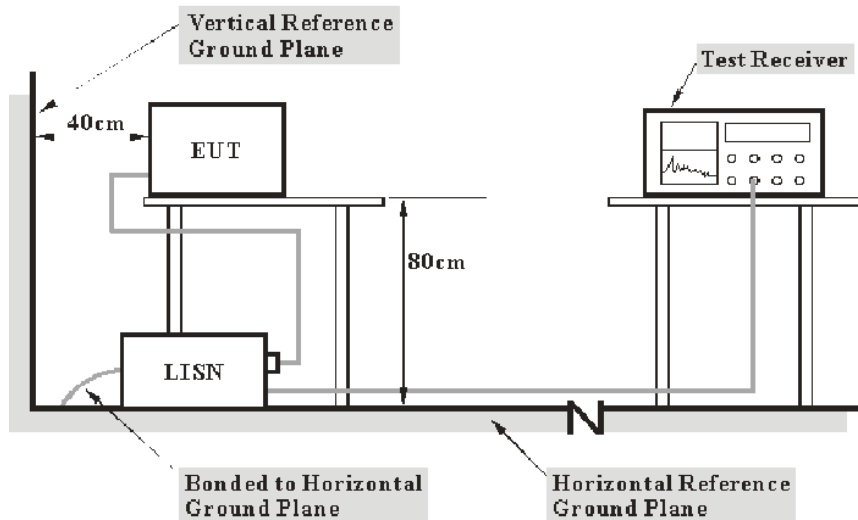
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

3.1.2 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 or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.3 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

3.1.4 Test Procedure

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.

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = attenuation caused by cable loss + voltage division factor of AMN

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.2 Radiation Spurious Emissions

3.2.1 Applicable Standard

FCC §15.407 (b);

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

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

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

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

(4) For transmitters operating solely in the 5.725-5.850 GHz band:

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

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

(8) 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.

(9) 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.

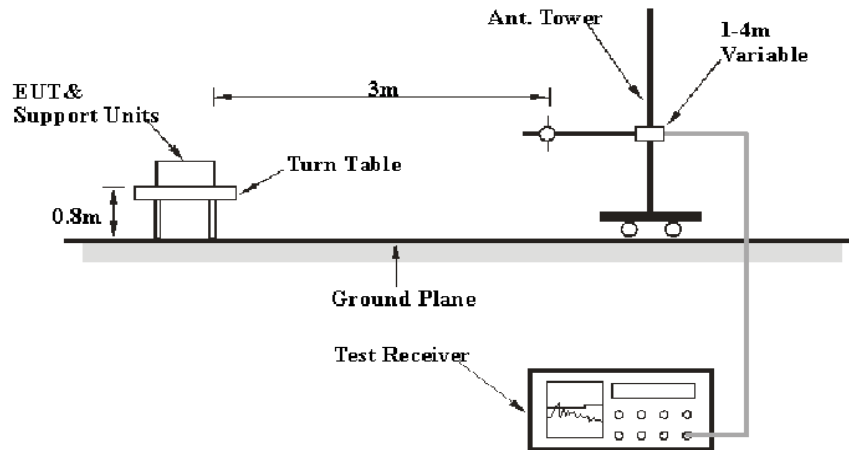
(10) The provisions of § 15.205 apply to intentional radiators operating under this section.

(11) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

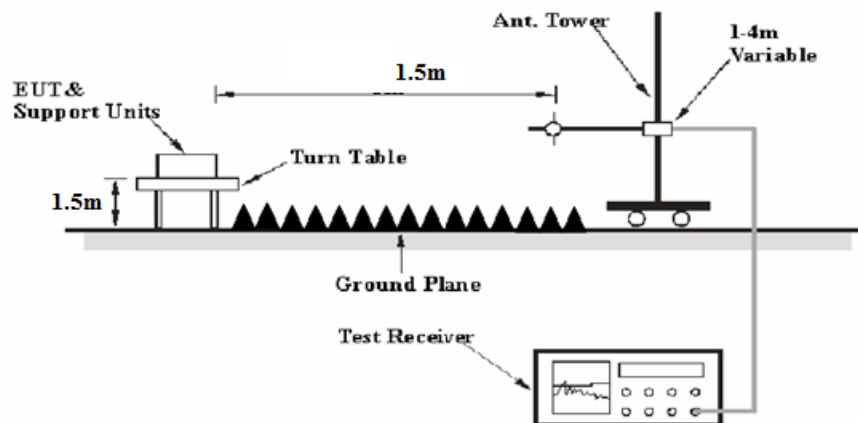
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

3.2.2 EUT Setup

Below 1GHz:



1-40 GHz:



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

3.2.3 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:

30MHz-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
AV	>98%	1MHz	10 Hz
	<98%	1MHz	1/T

Note: T is minimum transmission duration

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.

3.2.4 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

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

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

3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Factor = Antenna Factor + Cable Loss- Amplifier Gain

For 30MHz-1GHz:

Result = Reading + Factor

For 1GHz-40GHz

Result = Reading + Factor-Distance extrapolation Factor

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.3 Emission Bandwidth:

3.3.1 Applicable Standard

FCC §15.407 (a)

(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 $11 \text{ dBm} + 10 \log B$, 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.

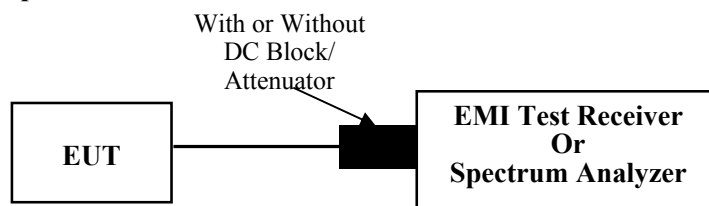
FCC §15.407 (e)

Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

FCC §15.407 (h)

(h)(2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.

3.3.2 EUT Setup



3.3.3 Test Procedure

26dB Emission Bandwidth:

According to ANSI C63.10-2013 Section 12.4.1

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max hold
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6 dB emission bandwidth:

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

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) ≥ 3 RBW.
- Detector = Peak.

- d) Trace mode = max hold.
 - e) Sweep = auto couple.
 - f) Allow the trace to stabilize.
 - g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
- Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described in this section. For devices that use channel aggregation refer to III.A and III.C for determining emission bandwidth.

99% Occupied Bandwidth:

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

3.4 Maximum Conducted Output Power:

3.4.1 Applicable Standard

FCC §15.407(a) (1)

(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.

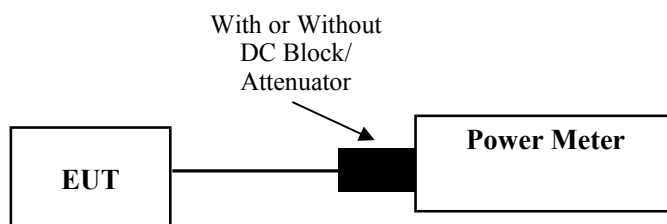
FCC §15.407(a) (2)

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 $11 \text{ dBm} + 10 \log B$, 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.

FCC §15.407(a) (3)(i)

For the band 5.725-5.850 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.

3.4.2 EUT Setup



3.4.3 Test Procedure

According to ANSI C63.10-2013 Section 12.3.3.2

Method PM-G is measurement using a gated RF average power meter. Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.5 Maximum Power Spectral Density:

3.5.1 Applicable Standard

FCC §15.407(a) (1)

(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.

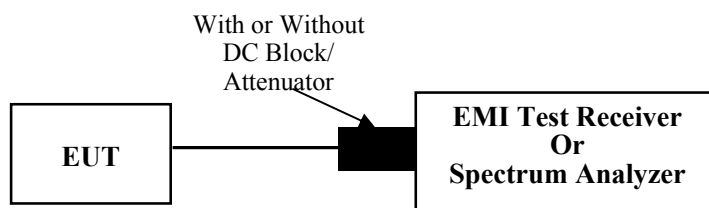
FCC §15.407(a) (2)

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 $11 \text{ dBm} + 10 \log B$, 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.

FCC §15.407(a) (3)(i)

For the band 5.725-5.850 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.

3.5.2 EUT Setup



3.5.3 Test Procedure

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

Duty cycle $\geq 98\%$

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

Duty cycle $< 98\%$, duty cycle variations are less than $\pm 2\%$

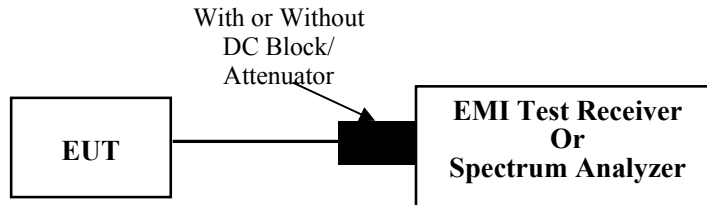
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

Duty cycle $< 98\%$, duty cycle variations exceed $\pm 2\%$

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

3.7 Duty Cycle:

3.7.1 EUT Setup



3.7.2 Test Procedure

According to ANSI C63.10-2013 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
- 3) Set $VBW \geq RBW$. Set detector = peak or average.
- 4) The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if $T \leq 16.7 \mu s$.)

3.8 Antenna Requirement

3.8.1 Applicable Standard

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 use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.8.2 Judgment

Result: Compliant. Please refer to the Antenna Information detail in Section 1.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	22ID_3	Test Date:	2023/03/20
Test Site:	CE	Test Mode:	Transmitting (802.11a mode chain 0 5745 MHz was the worst)
Tester:	Bob	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.8	Relative Humidity: (%)	50	ATM Pressure: (kPa)	101.2
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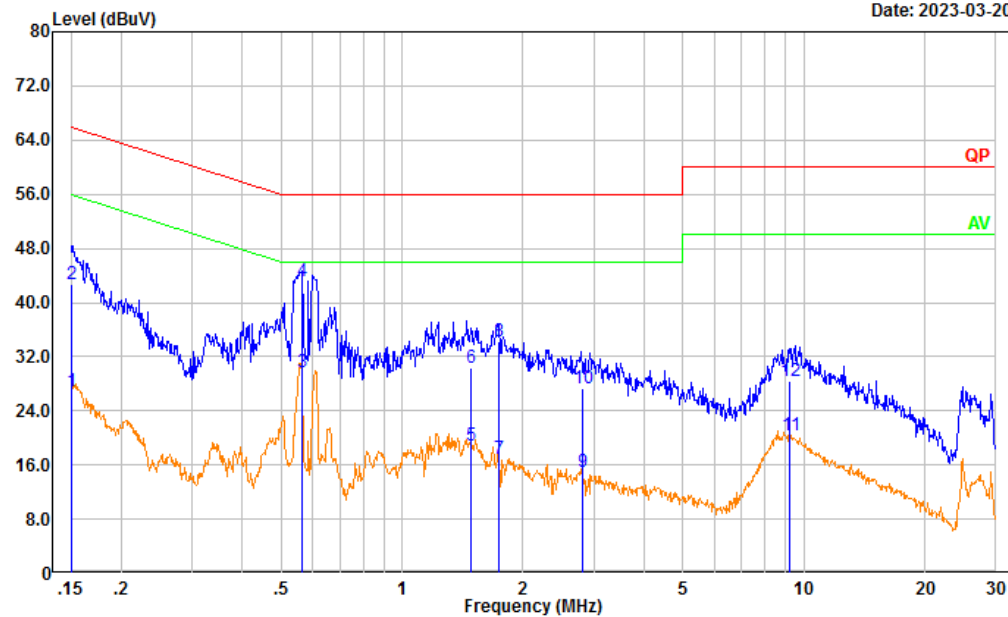
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2022/04/01	2023/03/31
R&S	EMI Test Receiver	ESR3	102726	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/08/07	2023/08/06
Audix	Test Software	E3	190306 (V9)	N/A	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Mode: Transmitting
Port: Line
Note:

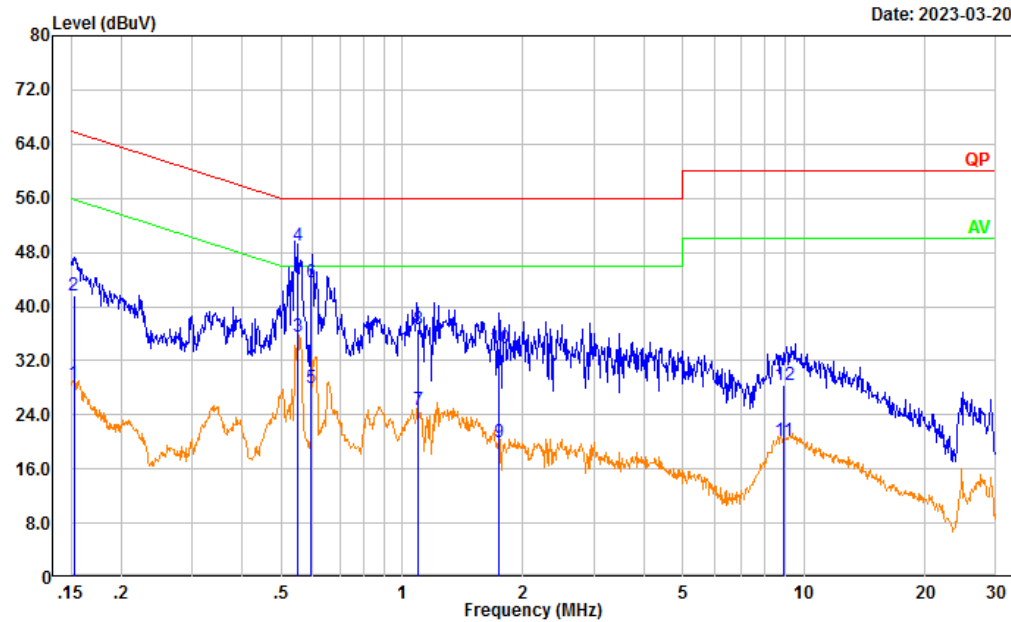
Date: 2023-03-20



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.151	17.35	9.61	26.96	55.95	28.99	Average
2	0.151	33.02	9.61	42.63	65.95	23.32	QP
3	0.562	19.98	9.62	29.60	46.00	16.40	Average
4	0.562	33.58	9.62	43.20	56.00	12.80	QP
5	1.482	9.23	9.62	18.85	46.00	27.15	Average
6	1.482	20.83	9.62	30.45	56.00	25.55	QP
7	1.738	7.31	9.63	16.94	46.00	29.06	Average
8	1.738	24.63	9.63	34.26	56.00	21.74	QP
9	2.802	5.29	9.65	14.94	46.00	31.06	Average
10	2.802	17.57	9.65	27.22	56.00	28.78	QP
11	9.240	10.62	9.67	20.29	50.00	29.71	Average
12	9.240	18.81	9.67	28.48	60.00	31.52	QP

Test Mode: Transmitting
Port: neutral
Note:

Date: 2023-03-20



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	19.08	9.61	28.69	55.86	27.17	Average
2	0.152	32.00	9.61	41.61	65.86	24.25	QP
3	0.548	26.05	9.61	35.66	46.00	10.34	Average
4	0.548	39.30	9.61	48.91	56.00	7.09	QP
5	0.595	18.29	9.62	27.91	46.00	18.09	Average
6	0.595	33.93	9.62	43.55	56.00	12.45	QP
7	1.094	15.02	9.62	24.64	46.00	21.36	Average
8	1.094	27.00	9.62	36.62	56.00	19.38	QP
9	1.738	10.28	9.63	19.91	46.00	26.09	Average
10	1.738	24.29	9.63	33.92	56.00	22.08	QP
11	8.899	10.51	9.67	20.18	50.00	29.82	Average
12	8.899	18.72	9.67	28.39	60.00	31.61	QP

4.2 Radiation Spurious Emissions

Serial Number:	22ID_3	Test Date:	2023/03/14~2023/07/11
Test Site:	966-2, 966-1	Test Mode:	Transmitting
Tester:	Carl Xue, coco Tian	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.4~26.8	Relative Humidity: (%)	48~67	ATM Pressure: (kPa)	100.5~101.7
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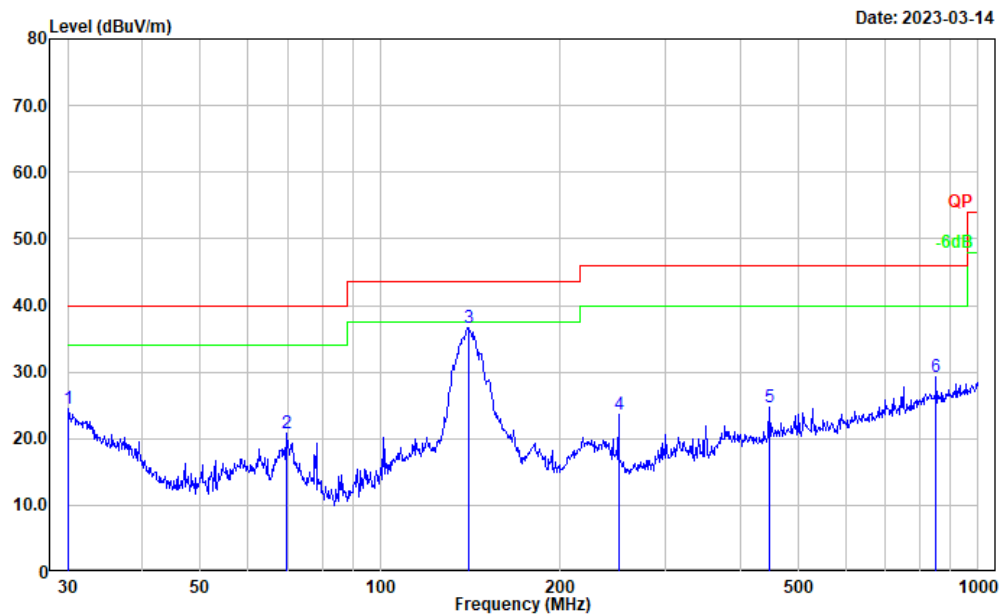
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2022/07/15	2023/07/14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022/07/17	2023/07/16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022/07/17	2023/07/16
Sonoma	Amplifier	310N	186165	2022/07/17	2023/07/16
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/08/07	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/08/07	2023/08/06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
Audix	Test Software	E3	201021 (V9)	N/A	N/A
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021/02/05	2024/02/04
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2022/9/16	2023/9/15
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2022/08/07	2023/08/06
E-Microwave	Band Rejection Filter	5150-5850MHz	OE01902423	2022/08/07	2023/08/06
Mini Circuits	High Pass Filter	VHF-6010+	31119	2022/08/07	2023/08/06
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021/02/05	2024/02/04

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

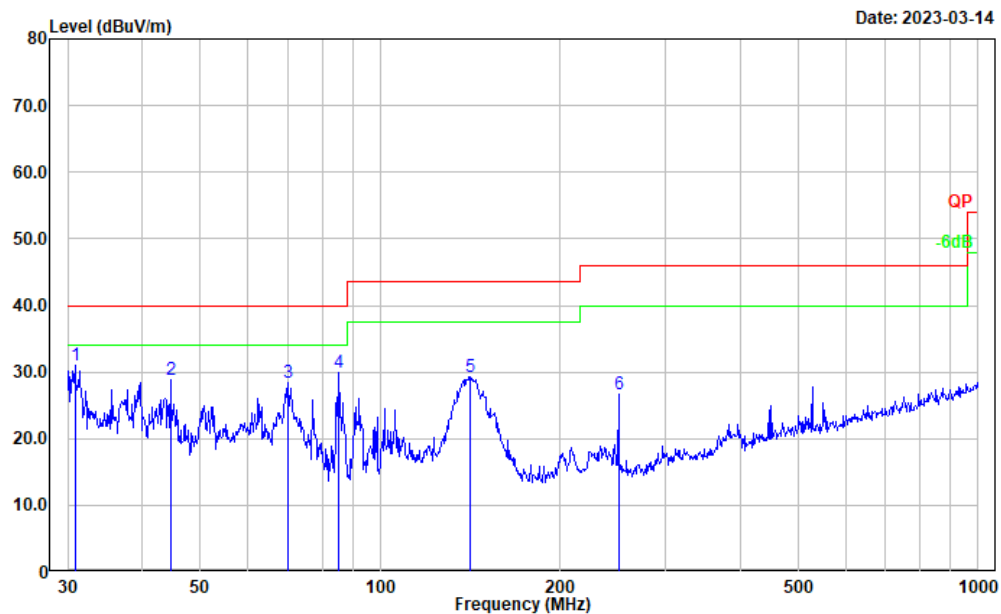
1) 30MHz-1GHz(802.11a mode chain 0 5745 MHz was the worst)

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.105	28.18	-3.68	24.50	40.00	15.50	Peak
2	69.845	37.35	-16.48	20.87	40.00	19.13	Peak
3	140.342	48.58	-11.89	36.69	43.50	6.81	Peak
4	250.301	36.72	-13.08	23.64	46.00	22.36	Peak
5	446.414	31.87	-7.08	24.79	46.00	21.21	Peak
6	851.035	30.76	-1.47	29.29	46.00	16.71	Peak

Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.853	35.37	-4.26	31.11	40.00	8.89	Peak
2	44.587	42.90	-14.00	28.90	40.00	11.10	Peak
3	70.090	44.78	-16.47	28.31	40.00	11.69	Peak
4	85.298	47.16	-17.19	29.97	40.00	10.03	Peak
5	141.330	41.27	-11.93	29.34	43.50	14.16	Peak
6	250.301	39.84	-13.08	26.76	46.00	19.24	Peak

2) 1GHz-40GHz:**5150-5250MHz****802.11a:****Chain 0:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5180MHz							
5150.000	38.74	PK	H	38.64	71.36	74.00	2.64
5150.000	20.04	AV	H	38.64	52.66	54.00	1.34
10360.000	31.91	PK	H	19.18	45.07	68.20	23.13
15540.000	35.88	PK	H	22.44	52.30	74.00	21.70
15540.000	22.10	AV	H	22.44	38.52	54.00	15.48
Middle Channel: 5200 MHz							
10400.000	31.88	PK	H	19.16	45.02	68.20	23.18
15600.000	35.49	PK	H	22.41	51.88	74.00	22.12
15600.000	22.38	AV	H	22.41	38.77	54.00	15.23
High Channel: 5240 MHz							
5350.000	29.63	PK	H	39.03	62.64	74.00	11.36
5350.000	16.50	AV	H	39.03	49.51	54.00	4.49
10480.000	32.06	PK	H	18.86	44.90	68.20	23.30
15720.000	35.47	PK	H	22.28	51.73	74.00	22.27
15720.000	22.55	AV	H	22.28	38.81	54.00	15.19

Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5180MHz							
5150.000	37.55	PK	H	38.64	70.17	74.00	3.83
5150.000	19.72	AV	H	38.64	52.34	54.00	1.66
10360.000	31.69	PK	H	19.18	44.85	68.20	23.35
15540.000	35.61	PK	H	22.44	52.03	74.00	21.97
15540.000	22.48	AV	H	22.44	38.90	54.00	15.10
Middle Channel: 5200 MHz							
10400.000	31.79	PK	H	19.16	44.93	68.20	23.27
15600.000	35.46	PK	H	22.41	51.85	74.00	22.15
15600.000	22.75	AV	H	22.41	39.14	54.00	14.86
High Channel: 5240 MHz							
5350.000	29.64	PK	H	39.03	62.65	74.00	11.35
5350.000	16.48	AV	H	39.03	49.49	54.00	4.51
10480.000	31.59	PK	H	18.86	44.43	68.20	23.77
15720.000	35.67	PK	H	22.28	51.93	74.00	22.07
15720.000	22.58	AV	H	22.28	38.84	54.00	15.16

802.11n ht20(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5180MHz							
5150.000	34.62	PK	H	38.64	67.24	74.00	6.76
5150.000	18.86	AV	H	38.64	51.48	54.00	2.52
10360.000	32.16	PK	H	19.18	45.32	68.20	22.88
15540.000	35.79	PK	H	22.44	52.21	74.00	21.79
15540.000	22.81	AV	H	22.44	39.23	54.00	14.77
Middle Channel: 5200 MHz							
10400.000	32.16	PK	H	19.16	45.30	68.20	22.90
15600.000	35.77	PK	H	22.41	52.16	74.00	21.84
15600.000	22.83	AV	H	22.41	39.22	54.00	14.78
High Channel: 5240 MHz							
5350.000	29.39	PK	H	39.03	62.40	74.00	11.60
5350.000	16.53	AV	H	39.03	49.54	54.00	4.46
10480.000	32.47	PK	H	18.86	45.31	68.20	22.89
15720.000	35.69	PK	H	22.28	51.95	74.00	22.05
15720.000	22.72	AV	H	22.28	38.98	54.00	15.02

802.11n ht40(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector					
Low Channel: 5190MHz							
5150.000	36.81	PK	H	38.64	69.43	74.00	4.57
5150.000	19.83	AV	H	38.64	52.45	54.00	1.55
10380.000	32.06	PK	H	19.17	45.21	68.20	22.99
15570.000	35.76	PK	H	22.43	52.17	74.00	21.83
15570.000	22.69	AV	H	22.43	39.10	54.00	14.90
High Channel: 5230 MHz							
5350.000	29.46	PK	H	39.03	62.47	74.00	11.53
5350.000	16.58	AV	H	39.03	49.59	54.00	4.41
10460.000	32.19	PK	H	18.94	45.11	68.20	23.09
15690.000	35.49	PK	H	22.29	51.76	74.00	22.24
15690.000	20.51	AV	H	22.29	36.78	54.00	17.22

802.11ac vht80(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Middle Channel: 5210 MHz							
5150.000	34.76	PK	H	38.64	67.38	74.00	6.62
5150.000	19.13	AV	H	38.64	51.75	54.00	2.25
5350.000	29.46	PK	H	39.03	62.47	74.00	11.53
5350.000	16.58	AV	H	39.03	49.59	54.00	4.41
10420.000	32.64	PK	H	19.09	45.71	68.20	22.49
15630.000	35.36	PK	H	22.37	51.71	74.00	22.29
15630.000	22.17	AV	H	22.37	38.52	54.00	15.48

802.11ax hew20:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5180MHz, 2Tx RU: 26/0 was the worst							
5150.000	34.51	PK	H	38.64	67.13	74.00	6.87
5150.000	19.75	AV	H	38.64	52.37	54.00	1.63
10360.000	32.15	PK	H	19.18	45.31	68.20	22.89
15540.000	35.14	PK	H	22.44	51.56	74.00	22.44
15540.000	22.06	AV	H	22.44	38.48	54.00	15.52
Middle Channel: 5200 MHz, 2Tx RU: 26/0 was the worst							
10400.000	31.24	PK	H	19.16	44.38	68.20	23.82
15600.000	35.07	PK	H	22.41	51.46	74.00	22.54
15600.000	22.31	AV	H	22.41	38.70	54.00	15.30
High Channel: 5240 MHz, 2Tx RU: 26/8 was the worst							
5350.000	29.43	PK	H	39.03	62.44	74.00	11.56
5350.000	16.75	AV	H	39.03	49.76	54.00	4.24
10480.000	32.27	PK	H	18.86	45.11	68.20	23.09
15720.000	35.34	PK	H	22.28	51.60	74.00	22.40
15720.000	22.43	AV	H	22.28	38.69	54.00	15.31

802.11ax hew40:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5190MHz, 2Tx RU: 26/0 was the worst							
5150.000	34.68	PK	H	38.64	67.30	74.00	6.70
5150.000	18.50	AV	H	38.64	51.12	54.00	2.88
10380.000	32.53	PK	H	19.17	45.68	68.20	22.52
15570.000	35.17	PK	H	22.43	51.58	74.00	22.42
15570.000	22.62	AV	H	22.43	39.03	54.00	14.97
High Channel: 5230 MHz, 2Tx RU: 26/0 was the worst, 2Tx RU: 26/17 was the worst							
5350.000	29.45	PK	H	39.03	62.46	74.00	11.54
5350.000	16.53	AV	H	39.03	49.54	54.00	4.46
10460.000	32.37	PK	H	18.94	45.29	68.20	22.91
15690.000	35.16	PK	H	22.29	51.43	74.00	22.57
15690.000	22.59	AV	H	22.29	38.86	54.00	15.14

802.11ax hew80:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Middle Channel: 5210 MHz, 2Tx RU: 26/0 was the worst							
5150.000	34.25	PK	H	38.64	66.87	74.00	7.13
5150.000	19.09	AV	H	38.64	51.71	54.00	2.29
5350.000	29.76	PK	H	39.03	62.77	74.00	11.23
5350.000	16.64	AV	H	39.03	49.65	54.00	4.35
10420.000	32.79	PK	H	19.09	45.86	68.20	22.34
15630.000	35.16	PK	H	22.37	51.51	74.00	22.49
15630.000	22.42	AV	H	22.37	38.77	54.00	15.23

5250-5350MHz**802.11a:****Chain 0:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5260MHz							
5150.000	29.73	PK	H	38.64	62.35	74.00	11.65
5150.000	16.55	AV	H	38.64	49.17	54.00	4.83
10520.000	35.46	PK	H	18.93	48.37	68.20	19.83
15780.000	35.27	PK	H	22.26	51.51	74.00	22.49
15780.000	22.69	AV	H	22.26	38.93	54.00	15.07
Middle Channel: 5280 MHz							
10560.000	34.67	PK	H	19.20	47.85	68.20	20.35
15840.000	35.46	PK	H	22.34	51.78	74.00	22.22
15840.000	22.58	AV	H	22.34	38.90	54.00	15.10
High Channel: 5320 MHz							
5350.000	32.14	PK	H	39.03	65.15	74.00	8.85
5350.000	17.28	AV	H	39.03	50.29	54.00	3.71
10640.000	35.06	PK	H	19.50	48.54	74.00	25.46
10640.000	21.76	AV	H	19.50	35.24	54.00	18.76
15960.000	35.69	PK	H	22.22	51.89	74.00	22.11
15960.000	22.41	AV	H	22.22	38.61	54.00	15.39

Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5260MHz							
5150.000	29.33	PK	H	38.64	61.95	74.00	12.05
5150.000	16.41	AV	H	38.64	49.03	54.00	4.97
10520.000	35.46	PK	H	18.93	48.37	68.20	19.83
15780.000	35.27	PK	H	22.26	51.51	74.00	22.49
15780.000	22.17	AV	H	22.26	38.41	54.00	15.59
Middle Channel: 5280 MHz							
10560.000	34.44	PK	H	19.20	47.62	68.20	20.58
15840.000	35.49	PK	H	22.34	51.81	74.00	22.19
15840.000	22.37	AV	H	22.34	38.69	54.00	15.31
High Channel: 5320 MHz							
5350.000	33.46	PK	H	39.03	66.47	74.00	7.53
5350.000	18.62	AV	H	39.03	51.63	54.00	2.37
10640.000	34.67	PK	H	19.50	48.15	74.00	25.85
10640.000	21.53	AV	H	19.50	35.01	54.00	18.99
15960.000	35.16	PK	H	22.22	51.36	74.00	22.64
15960.000	22.59	AV	H	22.22	38.79	54.00	15.21

802.11n ht20(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5260MHz							
5150.000	29.93	PK	H	38.64	62.55	74.00	11.45
5150.000	16.83	AV	H	38.64	49.45	54.00	4.55
10520.000	34.67	PK	H	18.93	47.58	68.20	20.62
15780.000	35.38	PK	H	22.26	51.62	74.00	22.38
15780.000	22.41	AV	H	22.26	38.65	54.00	15.35
Middle Channel: 5280 MHz							
10560.000	34.54	PK	H	19.20	47.72	68.20	20.48
15840.000	35.47	PK	H	22.34	51.79	74.00	22.21
15840.000	22.53	AV	H	22.34	38.85	54.00	15.15
High Channel: 5320 MHz							
5350.000	32.35	PK	H	39.03	65.36	74.00	8.64
5350.000	18.19	AV	H	39.03	51.20	54.00	2.80
10640.000	34.67	PK	H	19.50	48.15	74.00	25.85
10640.000	21.56	AV	H	19.50	35.04	54.00	18.96
15960.000	35.64	PK	H	22.22	51.84	74.00	22.16
15960.000	22.58	AV	H	22.22	38.78	54.00	15.22

802.11n ht40(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5270 MHz							
5150.000	29.97	PK	H	38.64	62.59	74.00	11.41
5150.000	16.89	AV	H	38.64	49.51	54.00	4.49
10540.000	34.17	PK	H	19.07	47.22	68.20	20.98
15810.000	35.79	PK	H	22.28	52.05	74.00	21.95
15810.000	22.81	AV	H	22.28	39.07	54.00	14.93
High Channel: 5310 MHz							
5350.000	33.46	PK	H	39.03	66.47	74.00	7.53
5350.000	18.23	AV	H	39.03	51.24	54.00	2.76
10620.000	34.67	PK	H	19.49	48.14	74.00	25.86
10620.000	21.69	AV	H	19.49	35.16	54.00	18.84
15930.000	35.62	PK	H	22.33	51.93	74.00	22.07
15930.000	22.58	AV	H	22.33	38.89	54.00	15.11

802.11ac vht80(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
5150.000	30.21	PK	H	38.64	62.83	74.00	11.17
5150.000	16.82	AV	H	38.64	49.44	54.00	4.56
5350.000	33.89	PK	H	39.03	66.90	74.00	7.10
5350.000	18.12	AV	H	39.03	51.13	54.00	2.87
10580.000	33.17	PK	H	19.34	46.49	68.20	21.71
15870.000	35.29	PK	H	22.39	51.66	74.00	22.34
15870.000	22.28	AV	H	22.39	38.65	54.00	15.35

802.11ax hew20:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5260MHz, 2Tx RU: 26/0 was the worst							
5150.000	29.45	PK	H	38.64	62.07	74.00	11.93
5150.000	16.84	AV	H	38.64	49.46	54.00	4.54
10520.000	34.69	PK	H	18.93	47.60	68.20	20.60
15780.000	35.67	PK	H	22.26	51.91	74.00	22.09
15780.000	22.60	AV	H	22.26	38.84	54.00	15.16
Middle Channel: 5280 MHz, 2Tx RU: 26/0 was the worst							
10560.000	34.33	PK	H	19.20	47.51	68.20	20.69
15840.000	35.97	PK	H	22.34	52.29	74.00	21.71
15840.000	23.11	AV	H	22.34	39.43	54.00	14.57
High Channel: 5320 MHz, 2Tx RU: 26/8 was the worst							
5350.000	34.13	PK	H	39.03	67.14	74.00	6.86
5350.000	18.08	AV	H	39.03	51.09	54.00	2.91
10640.000	34.62	PK	H	19.50	48.10	74.00	25.90
10640.000	21.57	AV	H	19.50	35.05	54.00	18.95
15960.000	36.49	PK	H	22.22	52.69	74.00	21.31
15960.000	23.18	AV	H	22.22	39.38	54.00	14.62

802.11ax hew40:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5270 MHz, 2Tx RU: 26/0 was the worst							
5150.000	29.48	PK	H	38.64	62.10	74.00	11.90
5150.000	16.85	AV	H	38.64	49.47	54.00	4.53
10540.000	34.50	PK	H	19.07	47.55	68.20	20.65
15810.000	21.62	PK	H	22.28	37.88	74.00	36.12
15810.000	36.18	AV	H	22.28	52.44	54.00	1.56
High Channel: 5310 MHz, 2Tx RU: 26/17 was the worst							
5350.000	33.45	PK	H	39.03	66.46	74.00	7.54
5350.000	17.88	AV	H	39.03	50.89	54.00	3.11
10620.000	34.15	PK	H	19.49	47.62	74.00	26.38
10620.000	21.52	AV	H	19.49	34.99	54.00	19.01
15930.000	36.42	PK	H	22.33	52.73	74.00	21.27
15930.000	23.15	AV	H	22.33	39.46	54.00	14.54

802.11ax hew80:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Middle Channel: 5290 MHz, 2Tx RU: 26/0 was the worst							
5150.000	31.25	PK	H	38.64	63.87	74.00	10.13
5150.000	17.02	AV	H	38.64	49.64	54.00	4.36
5350.000	33.56	PK	H	39.03	66.57	74.00	7.43
5350.000	17.64	AV	H	39.03	50.65	54.00	3.35
10580.000	33.28	PK	H	19.34	46.60	68.20	21.60
15870.000	35.36	PK	H	22.39	51.73	74.00	22.27
15870.000	22.47	AV	H	22.39	38.84	54.00	15.16

Note:

Result = Reading + Factor- Distance extrapolation Factor

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

5470-5725MHz:**802.11a:****Chain 0:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5500MHz							
5470.000	33.08	PK	H	39.27	66.33	68.20	1.87
11000.000	34.57	PK	H	19.83	48.38	74.00	25.62
11000.000	21.62	AV	H	19.83	35.43	54.00	18.57
16500.000	41.09	PK	H	22.73	57.80	68.20	10.40
Middle Channel: 5580 MHz							
11160.000	34.67	PK	H	19.97	48.62	74.00	25.38
11160.000	21.83	AV	H	19.97	35.78	54.00	18.22
16740.000	41.37	PK	H	23.68	59.03	68.20	9.17
High Channel: 5700 MHz							
5725.000	33.81	PK	H	39.48	67.27	68.20	0.93
11400.000	34.42	PK	H	20.93	49.33	74.00	24.67
11400.000	21.23	AV	H	20.93	36.14	54.00	17.86
17100.000	41.19	PK	H	26.19	61.36	68.20	6.84

Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5500MHz							
5470.000	33.17	PK	H	39.27	66.42	68.20	1.78
11000.000	34.56	PK	H	19.83	48.37	74.00	25.63
11000.000	21.37	AV	H	19.83	35.18	54.00	18.82
16500.000	40.67	PK	H	22.73	57.38	68.20	10.82
Middle Channel: 5580 MHz							
11160.000	34.76	PK	H	19.97	48.71	74.00	25.29
11160.000	21.59	AV	H	19.97	35.54	54.00	18.46
16740.000	40.38	PK	H	23.68	58.04	68.20	10.16
High Channel: 5700 MHz							
5725.000	33.64	PK	H	39.48	67.10	68.20	1.10
11400.000	34.67	PK	H	20.93	49.58	74.00	24.42
11400.000	21.69	AV	H	20.93	36.60	54.00	17.40
17100.000	40.15	PK	H	26.19	60.32	68.20	7.88

802.11n ht20(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5500MHz							
5470.000	32.18	PK	H	39.27	65.43	68.20	2.77
11000.000	36.37	PK	H	19.83	50.18	74.00	23.82
11000.000	23.81	AV	H	19.83	37.62	54.00	16.38
16500.000	38.67	PK	H	22.73	55.38	68.20	12.82
Middle Channel: 5580 MHz							
11160.000	36.54	PK	H	19.97	50.49	74.00	23.51
11160.000	23.51	AV	H	19.97	37.46	54.00	16.54
16740.000	38.64	PK	H	23.68	56.30	68.20	11.90
High Channel: 5700 MHz							
5725.000	32.17	PK	H	39.48	65.63	68.20	2.57
11400.000	36.06	PK	H	20.93	50.97	74.00	23.03
11400.000	23.11	AV	H	20.93	38.02	54.00	15.98
17100.000	37.64	PK	H	26.19	57.81	68.20	10.39

802.11n ht40(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5510 MHz							
5470.000	33.86	PK	H	39.27	67.11	68.20	1.09
11020.000	35.70	PK	H	19.85	49.53	74.00	24.47
11020.000	22.68	AV	H	19.85	36.51	54.00	17.49
16530.000	38.40	PK	H	23.02	55.40	68.20	12.80
Middle Channel: 5550 MHz							
11100.000	35.73	PK	H	19.95	49.66	74.00	24.34
11100.000	22.81	AV	H	19.95	36.74	54.00	17.26
16650.000	38.64	PK	H	23.65	56.27	68.20	11.93
High Channel: 5670 MHz							
5725.000	33.05	PK	H	39.48	66.51	68.20	1.69
11340.000	35.69	PK	H	20.77	50.44	74.00	23.56
11340.000	22.61	AV	H	20.77	37.36	54.00	16.64
17010.000	38.11	PK	H	25.56	57.65	68.20	10.55

802.11ac vht80(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:5530 MHz							
5470.000	32.82	PK	H	39.27	66.07	68.20	2.13
11060.000	34.09	PK	H	19.90	47.97	74.00	26.03
11060.000	21.11	AV	H	19.90	34.99	54.00	19.01
16590.000	35.07	PK	H	23.59	52.64	68.20	15.56
High Channel:5610 MHz							
5725.000	32.64	PK	H	39.48	66.10	68.20	2.10
11220.000	34.17	PK	H	20.13	48.28	74.00	25.72
11220.000	21.09	AV	H	20.13	35.20	54.00	18.80
16830.000	35.26	PK	H	24.13	53.37	68.20	14.83

802.11ax hew20:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5500MHz, 2Tx RU: 26/0 was the worst							
5470.000	32.80	PK	H	39.27	66.05	68.20	2.15
11000.000	35.42	PK	H	19.83	49.23	74.00	24.77
11000.000	22.55	AV	H	19.83	36.36	54.00	17.64
16500.000	38.90	PK	H	22.73	55.61	68.20	12.59
Middle Channel: 5580 MHz, 2Tx RU: 26/0 was the worst							
11160.000	35.88	PK	H	19.97	49.83	74.00	24.17
11160.000	22.67	AV	H	19.97	36.62	54.00	17.38
16740.000	38.67	PK	H	23.68	56.33	68.20	11.87
High Channel: 5700 MHz, 2Tx RU: 26/8 was the worst							
5725.000	32.46	PK	H	39.48	65.92	68.20	2.28
11400.000	35.97	PK	H	20.93	50.88	74.00	23.12
11400.000	22.68	AV	H	20.93	37.59	54.00	16.41
17100.000	39.46	PK	H	26.19	59.63	68.20	8.57

802.11ax hew40:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5510 MHz, 2Tx RU: 26/0 was the worst							
5470.000	33.61	PK	H	39.27	66.86	68.20	1.34
11020.000	36.49	PK	H	19.85	50.32	74.00	23.68
11020.000	23.68	AV	H	19.85	37.51	54.00	16.49
16530.000	26.76	PK	H	23.02	43.76	68.20	24.44
Middle Channel: 5550 MHz, 2Tx RU: 26/0 was the worst							
11100.000	37.45	PK	H	19.95	51.38	74.00	22.62
11100.000	24.35	AV	H	19.95	38.28	54.00	15.72
16650.000	40.40	PK	H	23.65	58.03	68.20	10.17
High Channel: 5670 MHz, 2Tx RU: 26/17 was the worst							
5725.000	33.24	PK	H	39.48	66.70	68.20	1.50
11340.000	36.89	PK	H	20.77	51.64	74.00	22.36
11340.000	23.48	AV	H	20.77	38.23	54.00	15.77
17010.000	40.11	PK	H	25.56	59.65	68.20	8.55

802.11ax hew80:

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Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector					
Low Channel:5530 MHz, 2Tx RU: 26/0 was the worst							
5470.000	32.49	PK	H	39.27	65.74	68.20	2.46
11060.000	34.26	PK	H	19.90	48.14	74.00	25.86
11060.000	21.16	AV	H	19.90	35.04	54.00	18.96
16590.000	35.42	PK	H	23.59	52.99	68.20	15.21
High Channel:5610 MHz, 2Tx RU: 26/17 was the worst							
5725.000	30.26	PK	H	39.48	63.72	68.20	4.48
11220.000	34.22	PK	H	20.13	48.33	74.00	25.67
11220.000	21.26	AV	H	20.13	35.37	54.00	18.63
16830.000	35.24	PK	H	24.13	53.35	68.20	14.85

Note:

Result = Reading + Factor- Distance extrapolation Factor

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

5725-5850MHz:**802.11a:****Chain 0:**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5745MHz							
5725.000	35.47	PK	H	39.48	68.93	122.20	53.27
5720.000	32.62	PK	H	39.49	66.09	110.80	44.71
5700.000	29.62	PK	H	39.51	63.11	105.20	42.09
5650.000	28.68	PK	H	39.49	62.15	68.20	6.05
11490.000	44.01	PK	H	20.67	58.66	74.00	15.34
11490.000	30.79	AV	H	20.67	45.44	54.00	8.56
17235.000	41.35	PK	H	26.76	62.09	68.20	6.11
Middle Channel: 5785 MHz							
11570.000	43.66	PK	H	20.83	58.47	74.00	15.53
11570.000	30.28	AV	H	20.83	45.09	54.00	8.91
17355.000	41.21	PK	H	27.74	62.93	68.20	5.27
High Channel: 5825 MHz							
5850.000	40.35	PK	H	39.49	73.82	122.20	48.38
5855.000	38.56	PK	H	39.51	72.05	110.80	38.75
5875.000	32.62	PK	H	39.60	66.20	105.20	39.00
5925.000	30.46	PK	H	39.68	64.12	68.20	4.08
11650.000	46.68	PK	H	21.07	61.73	74.00	12.27
11650.000	33.21	AV	H	21.07	48.26	54.00	5.74
17475.000	41.73	PK	H	28.61	64.32	68.20	3.88

Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5745MHz							
5725.000	35.67	PK	H	39.48	69.13	122.20	53.07
5720.000	32.46	PK	H	39.49	65.93	110.80	44.87
5700.000	30.46	PK	H	39.51	63.95	105.20	41.25
5650.000	29.38	PK	H	39.49	62.85	68.20	5.35
11490.000	43.67	PK	H	20.67	58.32	74.00	15.68
11490.000	30.56	AV	H	20.67	45.21	54.00	8.79
17235.000	40.67	PK	H	26.76	61.41	68.20	6.79
Middle Channel: 5785 MHz							
11570.000	43.26	PK	H	20.83	58.07	74.00	15.93
11570.000	30.15	AV	H	20.83	44.96	54.00	9.04
17355.000	40.15	PK	H	27.74	61.87	68.20	6.33
High Channel: 5825 MHz							
5850.000	37.43	PK	H	39.49	70.90	122.20	51.30
5855.000	34.08	PK	H	39.51	67.57	110.80	43.23
5875.000	30.46	PK	H	39.60	64.04	105.20	41.16
5925.000	29.37	PK	H	39.68	63.03	68.20	5.17
11650.000	42.65	PK	H	21.07	57.70	74.00	16.30
11650.000	29.64	AV	H	21.07	44.69	54.00	9.31
17475.000	40.35	PK	H	28.61	62.94	68.20	5.26

802.11n ht20(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5745MHz							
5725.000	39.45	PK	H	39.48	72.91	122.20	49.29
5720.000	34.65	PK	H	39.49	68.12	110.80	42.68
5700.000	29.43	PK	H	39.51	62.92	105.20	42.28
5650.000	27.90	PK	H	39.49	61.37	68.20	6.83
11490.000	46.44	PK	H	20.67	61.09	74.00	12.91
11490.000	33.16	AV	H	20.67	47.81	54.00	6.19
17235.000	42.11	PK	H	26.76	62.85	68.20	5.35
Middle Channel: 5785 MHz							
11570.000	44.35	PK	H	20.83	59.16	74.00	14.84
11570.000	31.65	AV	H	20.83	46.46	54.00	7.54
17355.000	39.15	PK	H	27.74	60.87	68.20	7.33
High Channel: 5825 MHz							
5850.000	44.35	PK	H	39.49	77.82	122.20	44.38
5855.000	36.35	PK	H	39.51	69.84	110.80	40.96
5875.000	30.60	PK	H	39.60	64.18	105.20	41.02
5925.000	29.31	PK	H	39.68	62.97	68.20	5.23
11650.000	45.34	PK	H	21.07	60.39	74.00	13.61
11650.000	32.46	AV	H	21.07	47.51	54.00	6.49
17475.000	40.11	PK	H	28.61	62.70	68.20	5.50

802.11n ht40(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5755MHz							
5725.000	42.00	PK	H	39.48	75.46	122.20	46.74
5720.000	46.94	PK	H	39.49	80.41	110.80	30.39
5700.000	31.86	PK	H	39.51	65.35	105.20	39.85
5650.000	29.47	PK	H	39.49	62.94	68.20	5.26
11510.000	39.43	PK	H	20.67	54.08	74.00	19.92
11510.000	26.38	AV	H	20.67	41.03	54.00	12.97
17265.000	38.27	PK	H	26.94	59.19	68.20	9.01
High Channel: 5795MHz							
5850.000	36.45	PK	H	39.49	69.92	122.20	52.28
5855.000	33.18	PK	H	39.51	66.67	110.80	44.13
5875.000	30.15	PK	H	39.60	63.73	105.20	41.47
5925.000	29.89	PK	H	39.68	63.55	68.20	4.65
11590.000	39.45	PK	H	20.88	54.31	74.00	19.69
11590.000	26.57	AV	H	20.88	41.43	54.00	12.57
17385.000	38.46	PK	H	28.07	60.51	68.20	7.69

802.11ac vht80(2Tx was the worst):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Middle Channel: 5775 MHz							
5725.000	36.87	PK	V	39.48	70.33	122.20	51.87
5720.000	36.19	PK	V	39.49	69.66	110.80	41.14
5700.000	34.69	PK	H	39.51	68.18	105.20	37.02
5650.000	29.68	PK	H	39.49	63.15	68.20	5.05
5850.000	36.66	PK	H	39.49	70.13	122.20	52.07
5855.000	36.59	PK	H	39.51	70.08	110.80	40.72
5875.000	35.72	PK	H	39.60	69.30	105.20	35.90
5925.000	30.12	PK	H	39.68	63.78	68.20	4.42
11550.000	34.73	PK	H	20.78	49.49	74.00	24.51
11550.000	21.69	AV	H	20.78	36.45	54.00	17.55
17325.000	35.76	PK	H	27.41	57.15	68.20	11.05

802.11ax hew20:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5745MHz, 2Tx RU: 26/0 was the worst							
5725.000	37.31	PK	H	39.48	70.77	122.20	51.43
5720.000	33.46	PK	H	39.49	66.93	110.80	43.87
5700.000	28.09	PK	H	39.51	61.58	105.20	43.62
5650.000	28.76	PK	H	39.49	62.23	68.20	5.97
11490.000	45.93	PK	H	20.67	60.58	74.00	13.42
11490.000	33.02	AV	H	20.67	47.67	54.00	6.33
17235.000	41.38	PK	H	26.76	62.12	68.20	6.08
Middle Channel: 5785 MHz, 2Tx RU: 26/0 was the worst							
11570.000	45.86	PK	H	20.83	60.67	74.00	13.33
11570.000	32.47	AV	H	20.83	47.28	54.00	6.72
17355.000	41.65	PK	H	27.74	63.37	68.20	4.83
High Channel: 5825 MHz, 2Tx RU: 26/8 was the worst							
5850.000	41.41	PK	H	39.49	74.88	122.20	47.32
5855.000	36.42	PK	H	39.51	69.91	110.80	40.89
5875.000	28.97	PK	H	39.60	62.55	105.20	42.65
5925.000	30.46	PK	H	39.68	64.12	68.20	4.08
11650.000	46.35	PK	H	21.07	61.40	74.00	12.60
11650.000	33.52	AV	H	21.07	48.57	54.00	5.43
17475.000	41.35	PK	H	28.61	63.94	68.20	4.26

802.11ax hew40:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5755MHz, 2Tx RU: 26/0 was the worst							
5725.000	32.45	PK	H	39.48	65.91	122.20	56.29
5720.000	31.64	PK	H	39.49	65.11	110.80	45.69
5700.000	30.27	PK	H	39.51	63.76	105.20	41.44
5650.000	30.01	PK	H	39.49	63.48	68.20	4.72
11510.000	38.94	PK	H	20.67	53.59	74.00	20.41
11510.000	25.68	AV	H	20.67	40.33	54.00	13.67
17265.000	32.46	PK	H	26.94	53.38	68.20	14.82
High Channel: 5795 MHz, 2Tx RU: 26/17 was the worst							
5850.000	29.95	PK	H	39.49	63.42	122.20	58.78
5855.000	30.12	PK	H	39.51	63.61	110.80	47.19
5875.000	29.78	PK	H	39.60	63.36	105.20	41.84
5925.000	29.89	PK	H	39.68	63.55	68.20	4.65
11590.000	38.69	PK	H	20.88	53.55	74.00	20.45
11590.000	25.76	AV	H	20.88	40.62	54.00	13.38
17385.000	32.46	PK	H	28.07	54.51	68.20	13.69

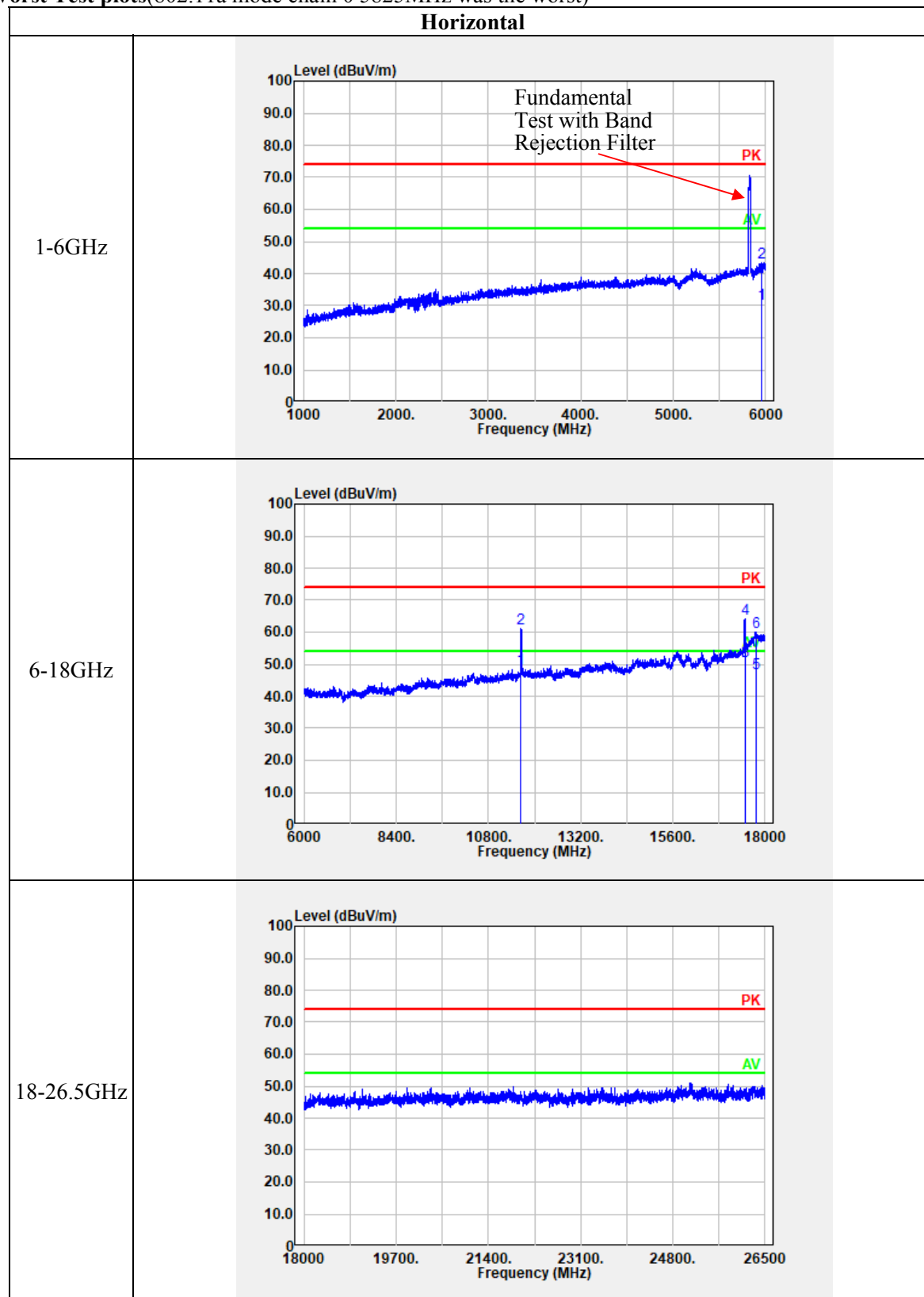
802.11ax hew80:

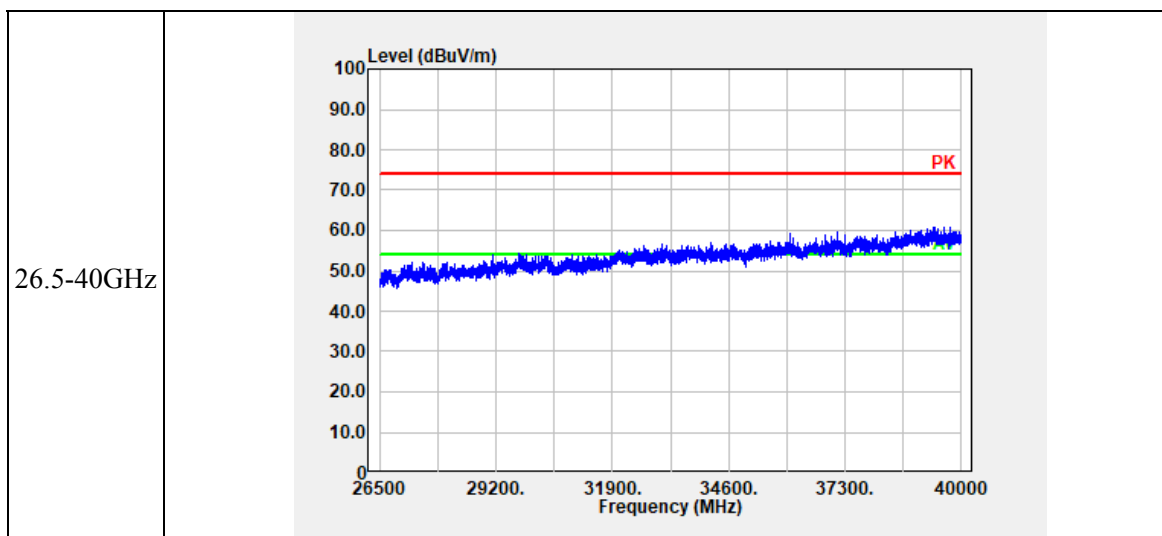
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Middle Channel: 5775 MHz, 2Tx RU: 26/0 was the worst							
5725.000	37.24	PK	H	39.48	70.70	122.20	51.50
5720.000	36.54	PK	H	39.49	70.01	110.80	40.79
5700.000	35.06	PK	H	39.51	68.55	105.20	36.65
5650.000	30.21	PK	H	39.49	63.68	68.20	4.52
5850.000	37.19	PK	H	39.49	70.66	122.20	51.54
5855.000	36.88	PK	H	39.51	70.37	110.80	40.43
5875.000	36.14	PK	H	39.60	69.72	105.20	35.48
5925.000	30.49	PK	H	39.68	64.15	68.20	4.05
11550.000	34.36	PK	H	20.78	49.12	74.00	24.88
11550.000	21.57	AV	H	20.78	36.33	54.00	17.67
17325.000	35.62	PK	H	27.41	57.01	68.20	11.19

Note:

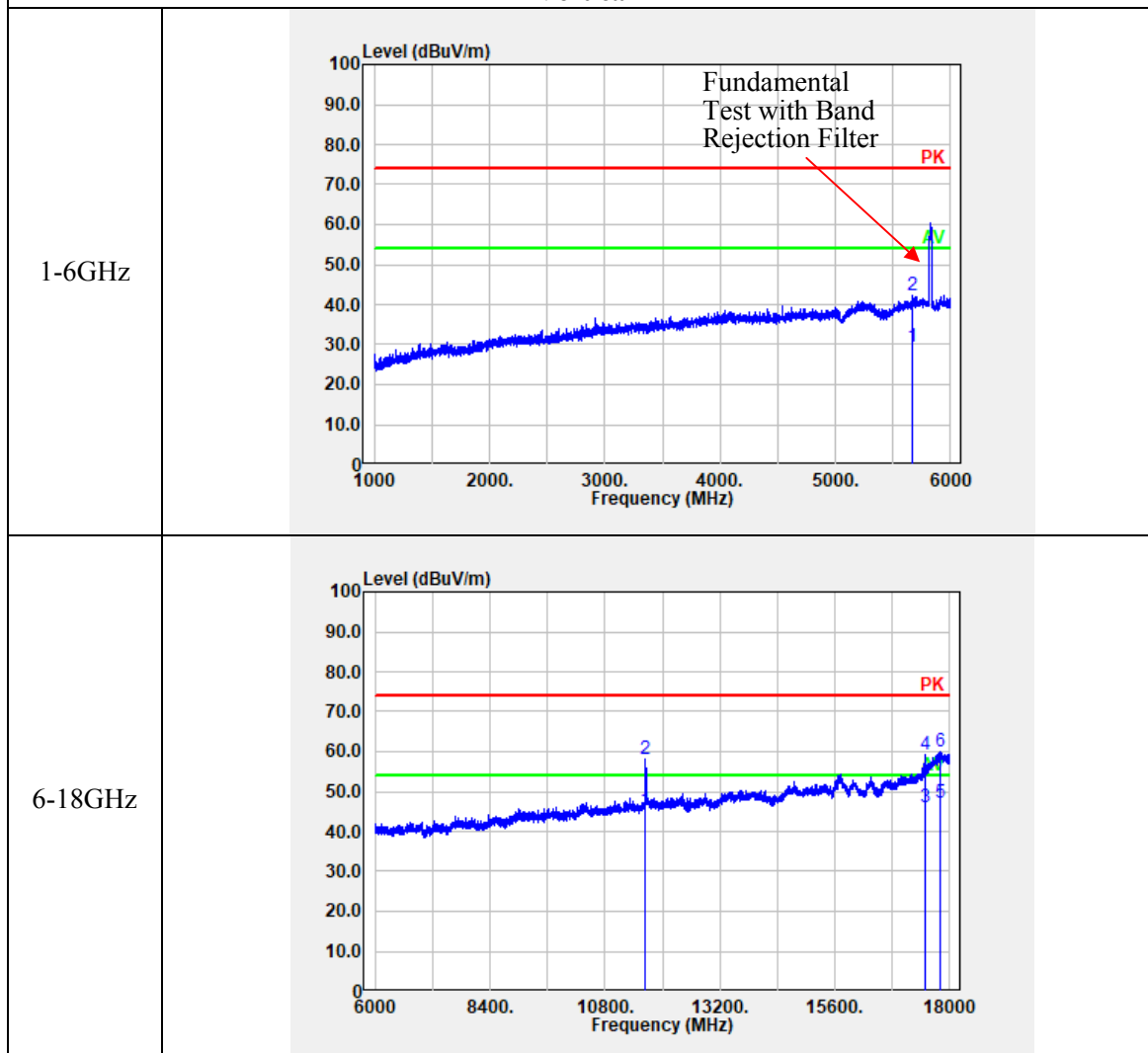
Result = Reading + Factor- Distance extrapolation Factor

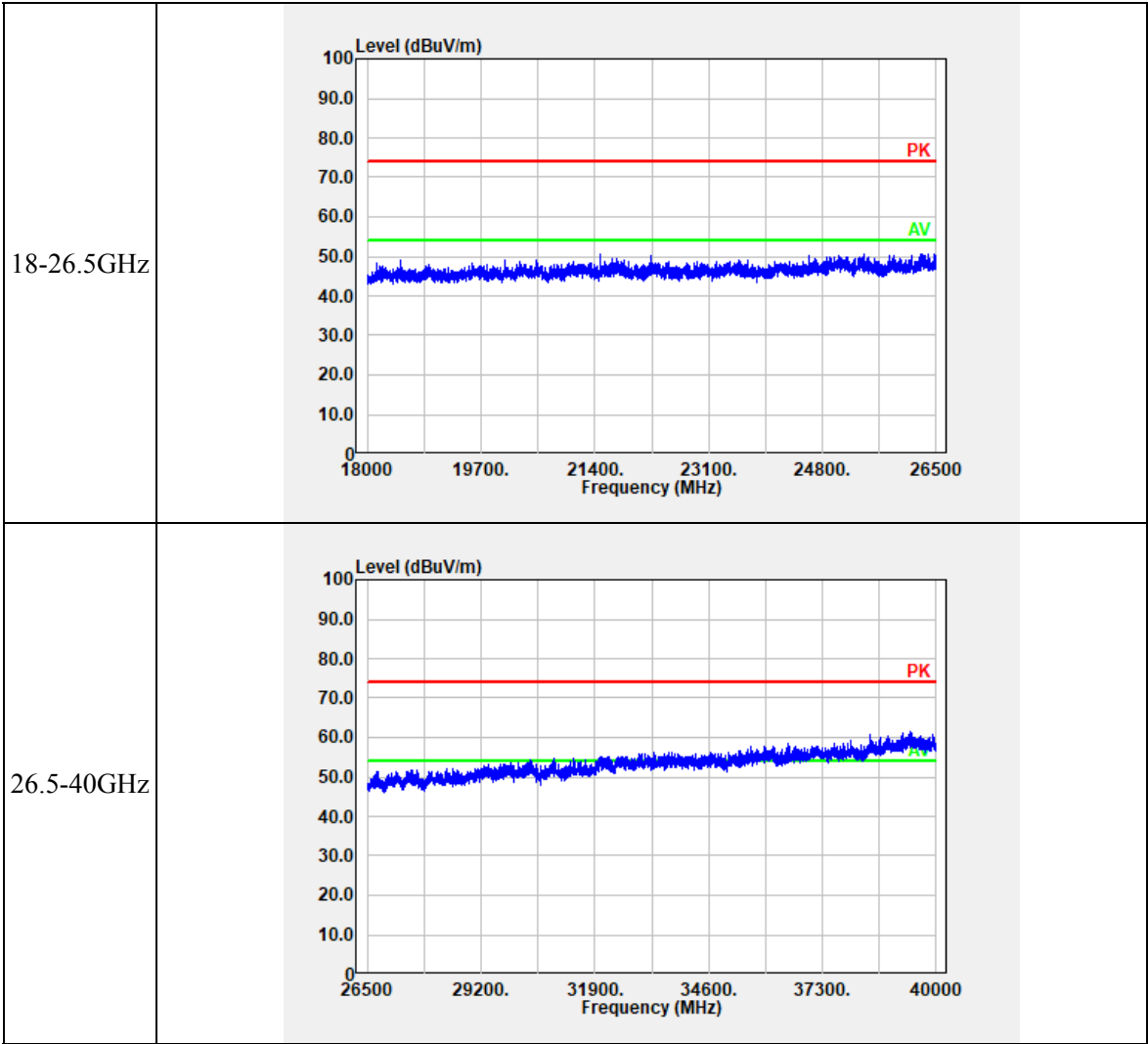
Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB= 6.02 dB

Worst Test plots(802.11a mode chain 0 5825MHz was the worst)



Vertical





4.3 Emission Bandwidth:

Serial Number:	22ID_3	Test Date:	2023/05/09-2023/05/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.5~23.2	Relative Humidity: (%)	45~47	ATM Pressure: (kPa)	100.1~100.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5180	20.64	16.64
	5200	18.88	16.56
	5240	18.80	16.56
802.11n ht20	5180	19.76	17.68
	5200	19.76	17.68
	5240	19.76	17.6
802.11n ht40	5190	39.36	36.16
	5230	39.36	36.16
802.11ac vht80	5210	87.36	76.80
802.11ax hew20	5180	20.56	19.04
	5200	20.56	19.04
	5240	20.56	19.04
802.11ax hew40	5190	39.84	37.76
	5230	39.84	37.76
802.11ax hew80	5210	81.92	77.44
Note: Test only was performed at Chain 0. For 802.11ax, only the maximum RU was tested. The 99% Occupied Bandwidth have not fallen into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.			

5250-5350 MHz:

Test Modes	Test Frequency(MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5260	18.88	16.64
	5280	18.96	16.56
	5320	18.80	16.56
802.11n ht20	5260	19.68	17.68
	5280	19.76	17.68
	5320	19.76	17.68
802.11n ht40	5270	39.36	36.32
	5310	39.36	36.32
802.11ac vht80	5290	87.04	76.80
802.11ax hew20	5260	20.64	19.04
	5280	20.64	19.04
	5320	20.64	19.04
802.11ax hew40	5270	39.84	37.76
	5310	39.84	37.76
802.11ax hew80	5290	81.60	77.44
Note: Test only was performed at Chain 0. For 802.11ax, only the maximum RU was tested.			

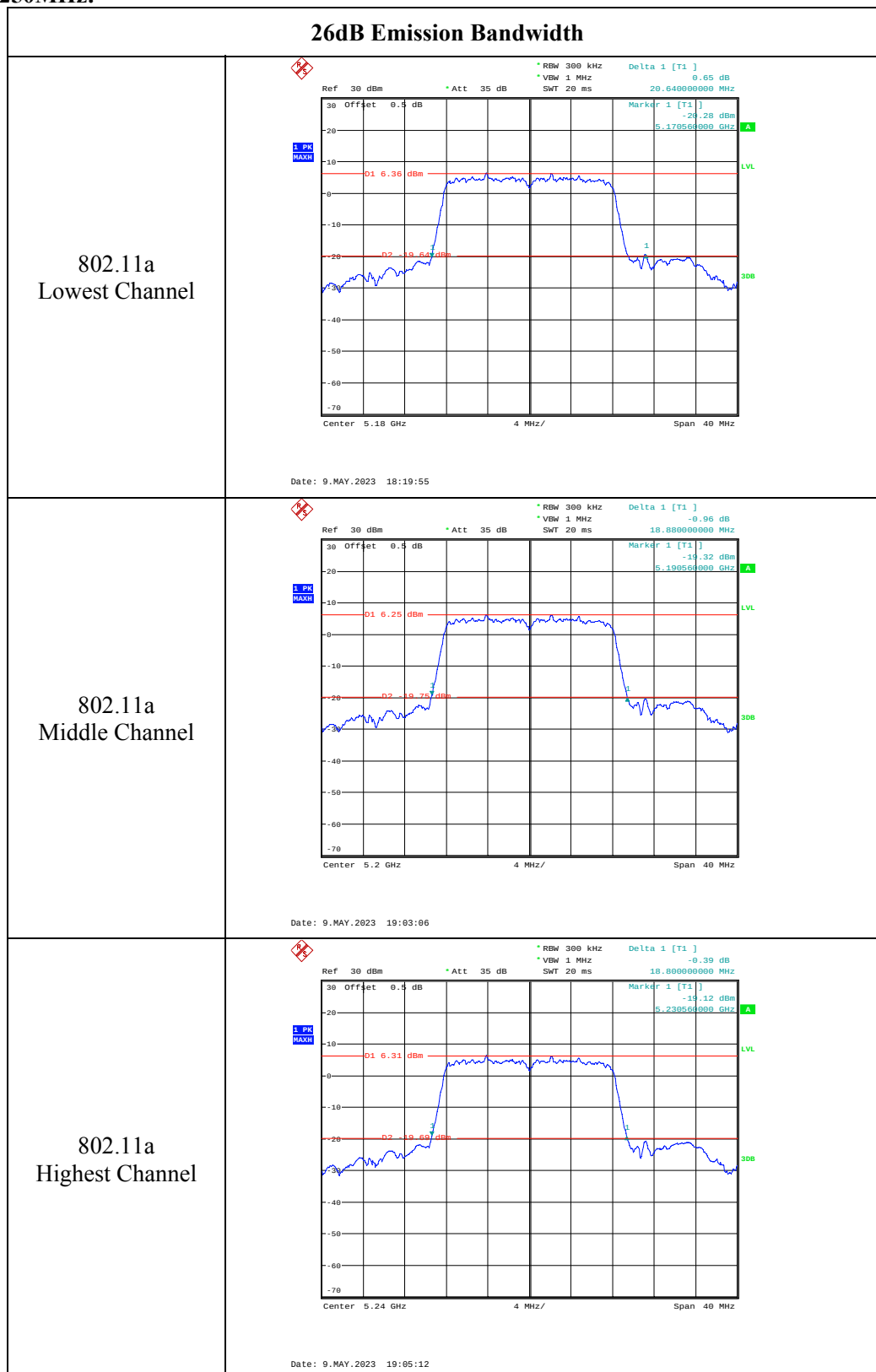
5470-5725 MHz:

Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5500	18.88	16.56
	5580	18.88	16.48
	5700	18.88	16.56
	5720	19.06	16.47
802.11n ht20	5500	19.76	17.68
	5580	19.76	17.60
	5700	19.76	17.68
	5720	19.77	17.63
802.11n ht40	5510	39.36	36.32
	5550	39.36	36.16
	5670	39.36	36.16
	5710	39.49	36.28
802.11ac vht80	5530	86.72	77.12
	5610	87.95	76.92
	5690	87.36	76.80
802.11ax hew20	5500	20.64	19.04
	5580	20.64	19.04
	5700	20.64	19.04
	5720	20.71	19.04
802.11ax hew40	5510	39.84	37.76
	5550	39.84	37.76
	5670	39.84	37.76
	5710	39.87	37.76
802.11ax hew80	5530	81.28	77.44
	5610	81.95	77.44
	5690	81.60	77.44
Note: Test only was performed at Chain 0. For 802.11ax, only the maximum RU was tested.			

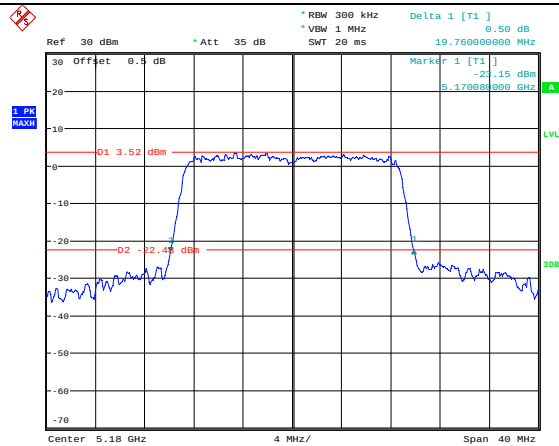
5725-5850 MHz:

Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	16.16	16.56
	5785	16.16	16.56
	5825	16.32	16.80
802.11n ht20	5745	17.36	17.68
	5785	16.88	17.68
	5825	16.96	17.76
802.11n ht40	5755	36.00	36.32
	5795	36.00	36.32
802.11ac vht80	5775	76.48	77.12
802.11ax hew20	5745	18.80	19.04
	5785	18.72	19.04
	5825	18.88	19.04
802.11ax hew40	5755	37.76	37.76
	5795	37.76	37.92
802.11ax hew80	5775	77.76	77.44
Note: 6dB Emission Bandwidth Limit: ≥ 0.5 MHz Test only was performed at Chain 0. For 802.11ax, only the maximum RU was tested. The 99% Occupied Bandwidth have not fallen into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.			

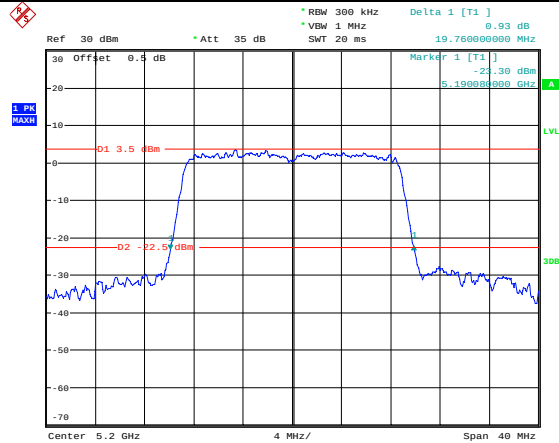
5150-5250MHz:



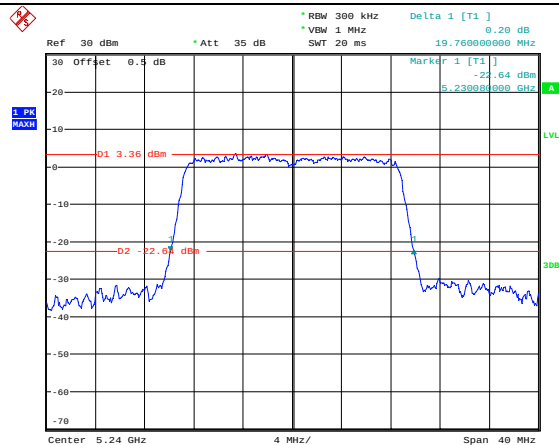
26dB Emission Bandwidth

802.11n ht20
Lowest Channel

Date: 9.MAY.2023 19:08:10

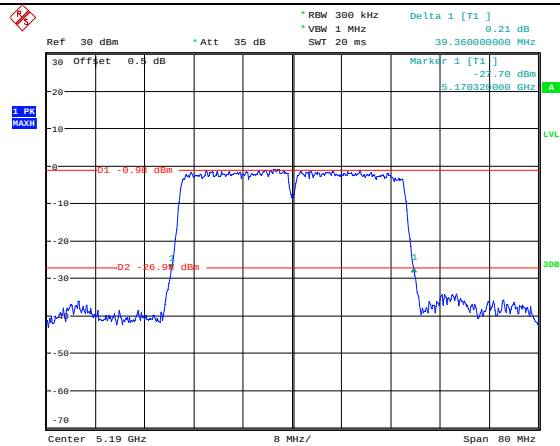
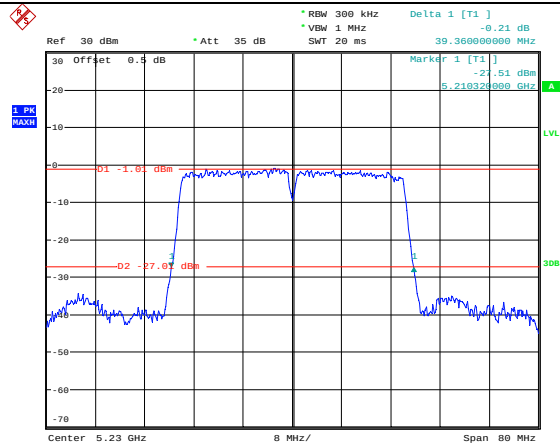
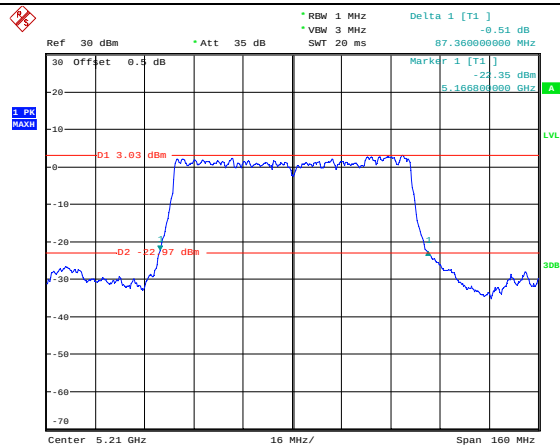
802.11n ht20
Middle Channel

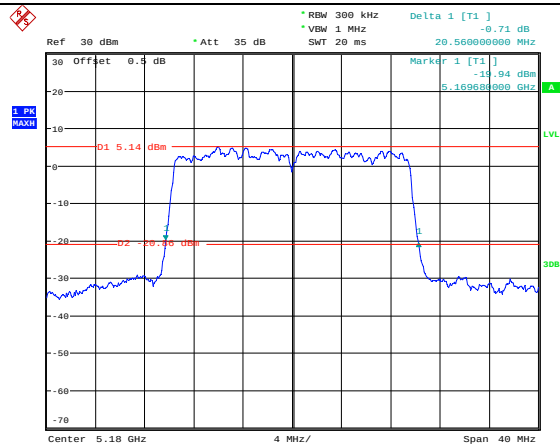
Date: 9.MAY.2023 19:10:11

802.11n ht20
Highest Channel

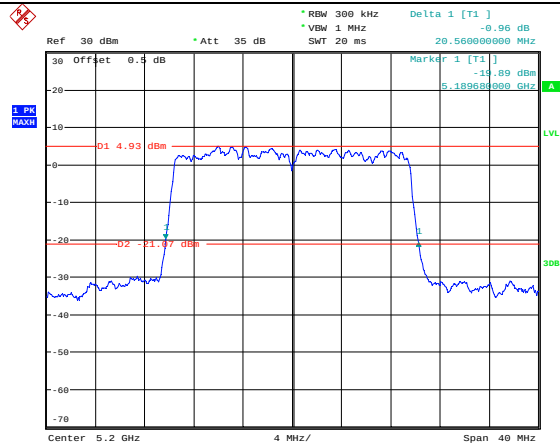
Date: 9.MAY.2023 19:12:37

26dB Emission Bandwidth

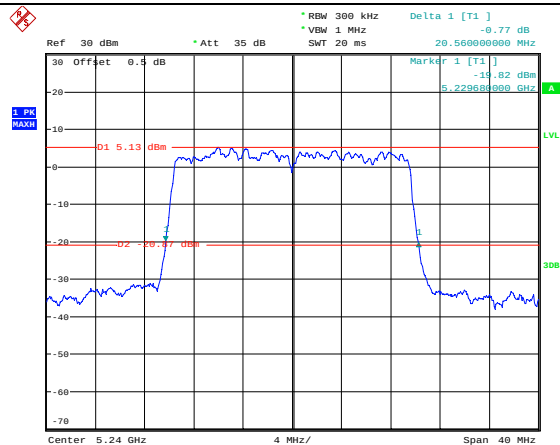
802.11n ht40
Lowest Channel802.11n ht40
Highest Channel802.11ac vht80
Middle Channel

26dB Emission Bandwidth802.11ax hew20
Lowest Channel

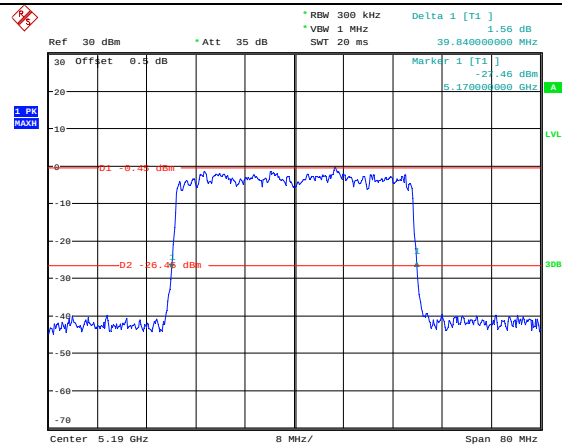
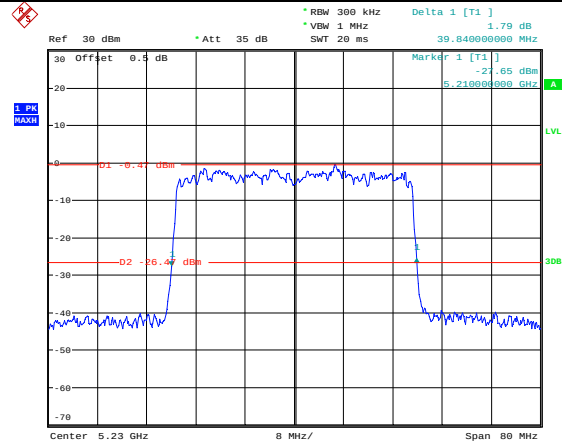
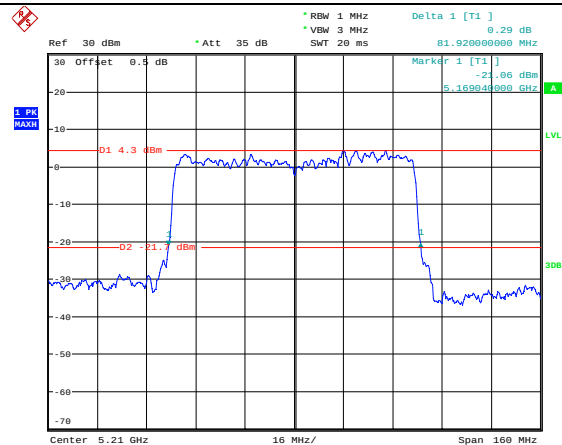
Date: 9.MAY.2023 21:02:30

802.11ax hew20
Middle Channel

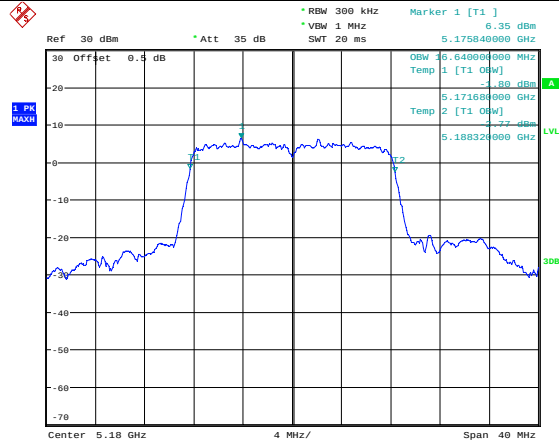
Date: 9.MAY.2023 21:05:48

802.11ax hew20
Highest Channel

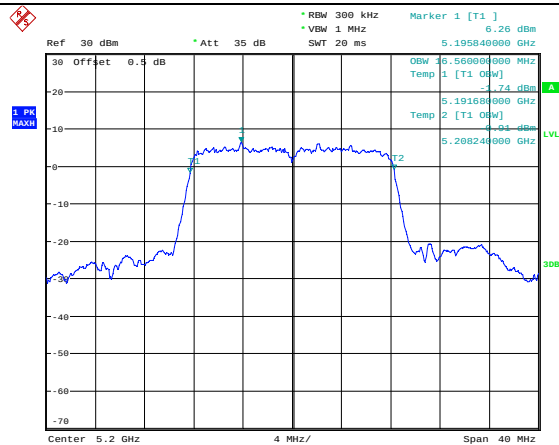
Date: 9.MAY.2023 21:06:45

26dB Emission Bandwidth802.11ax hew40
Lowest Channel802.11ax hew40
Highest Channel802.11ax hew80
Middle Channel

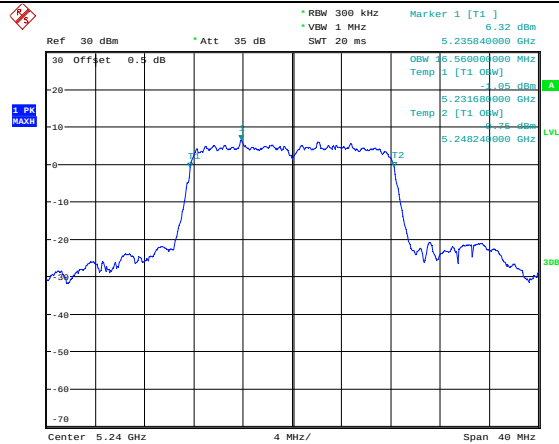
99% Emission Bandwidth

802.11a
Lowest Channel

Date: 9.MAY.2023 18:20:08

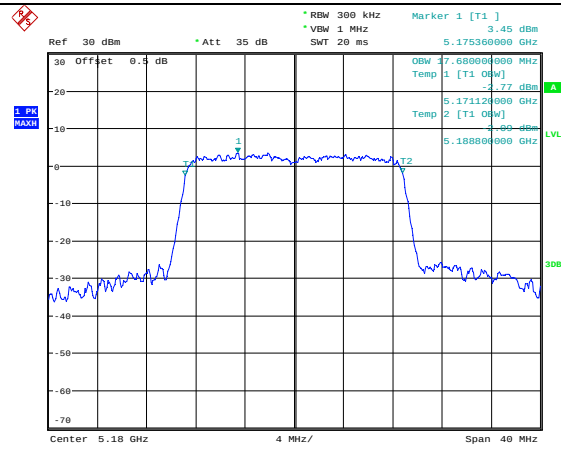
802.11a
Middle Channel

Date: 9.MAY.2023 19:03:17

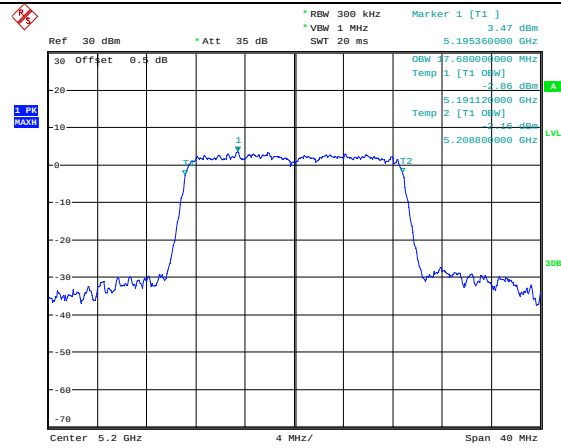
802.11a
Highest Channel

Date: 9.MAY.2023 19:05:27

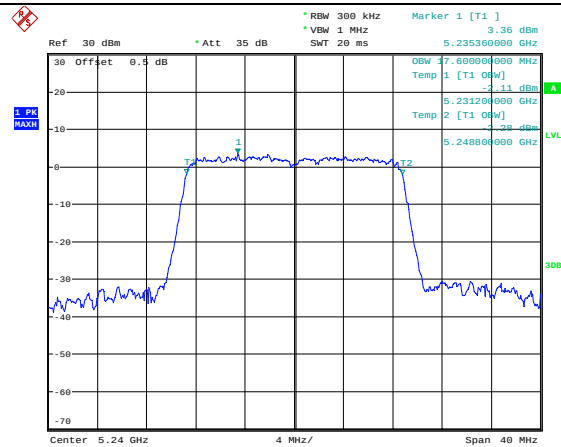
99% Emission Bandwidth

802.11n ht20
Lowest Channel

Date: 9.MAY.2023 19:08:25

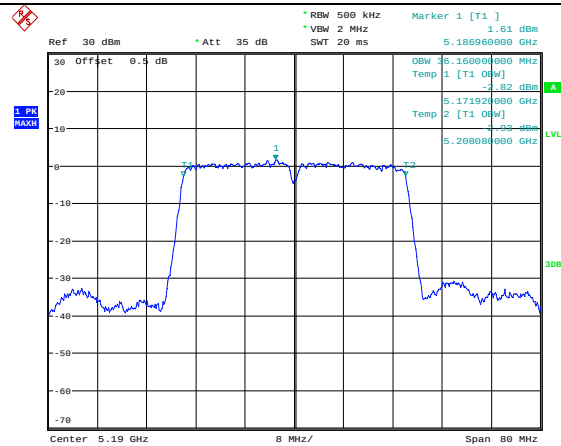
802.11n ht20
Middle Channel

Date: 9.MAY.2023 19:10:26

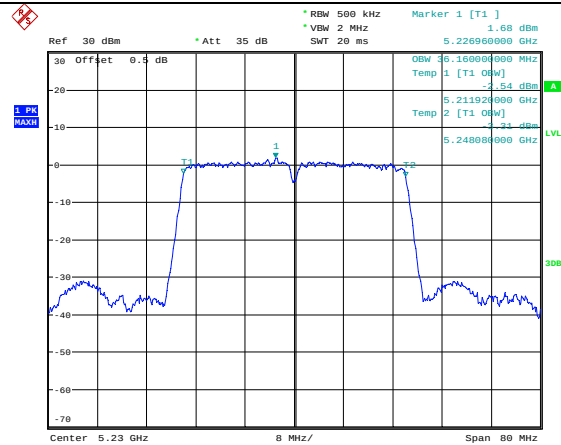
802.11n ht20
Highest Channel

Date: 9.MAY.2023 19:12:52

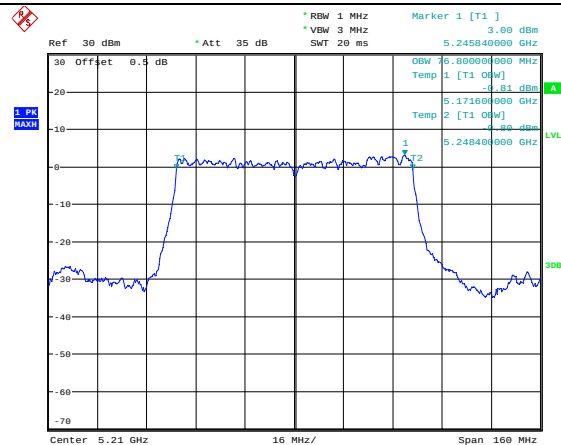
99% Emission Bandwidth

802.11n ht40
Lowest Channel

Date: 9.MAY.2023 19:16:46

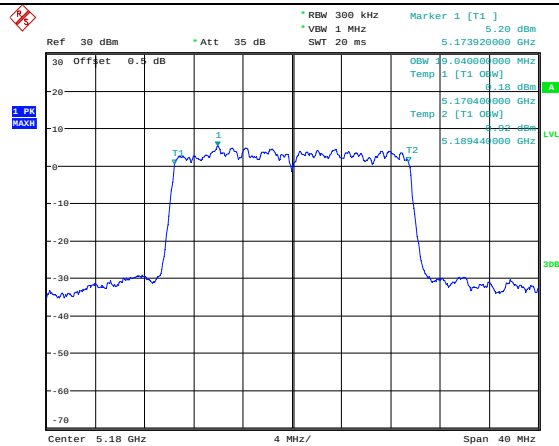
802.11n ht40
Highest Channel

Date: 9.MAY.2023 19:20:19

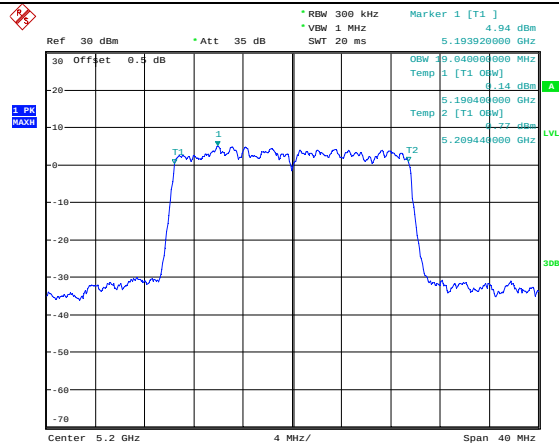
802.11ac vht80
Middle Channel

Date: 9.MAY.2023 19:22:20

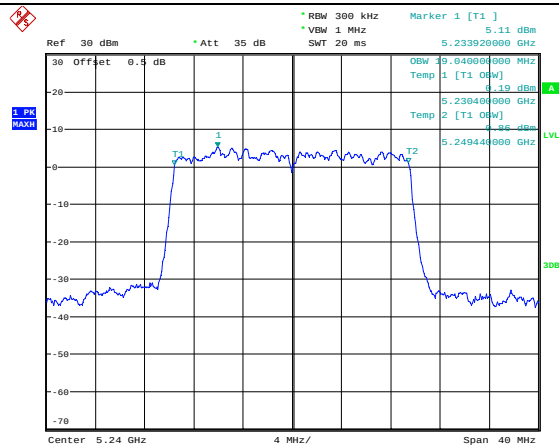
99% Emission Bandwidth

802.11ax hew20
Lowest Channel

Date: 9.MAY.2023 21:02:45

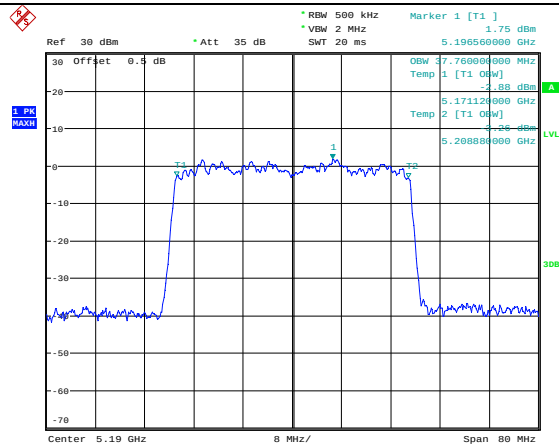
802.11ax hew20
Middle Channel

Date: 9.MAY.2023 21:05:59

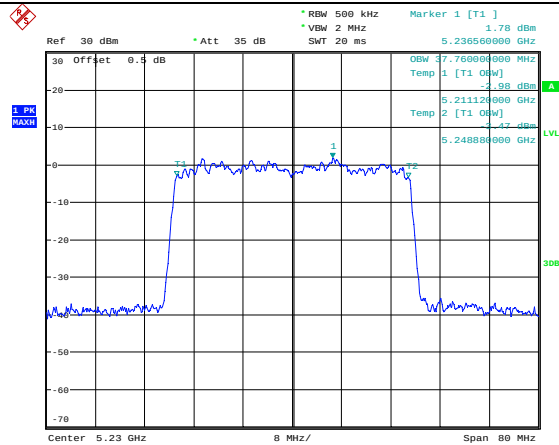
802.11ax hew20
Highest Channel

Date: 9.MAY.2023 21:06:55

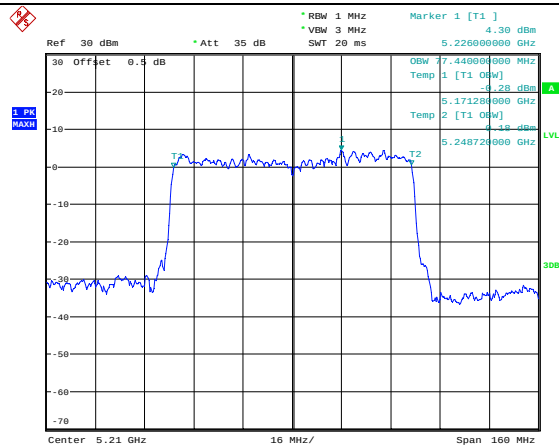
99% Emission Bandwidth

802.11ax hew40
Lowest Channel

Date: 9.MAY.2023 21:15:03

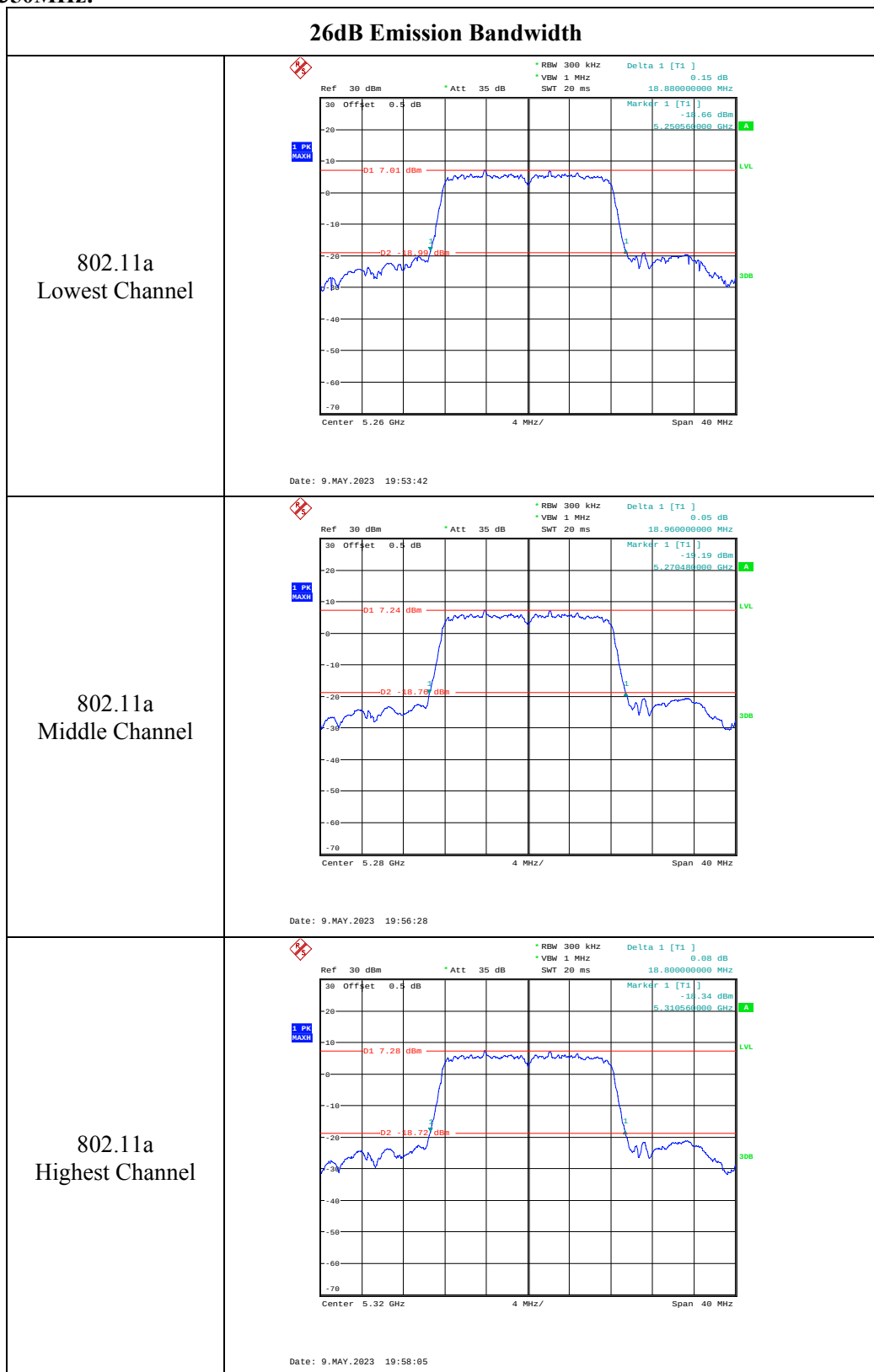
802.11ax hew40
Highest Channel

Date: 9.MAY.2023 21:17:28

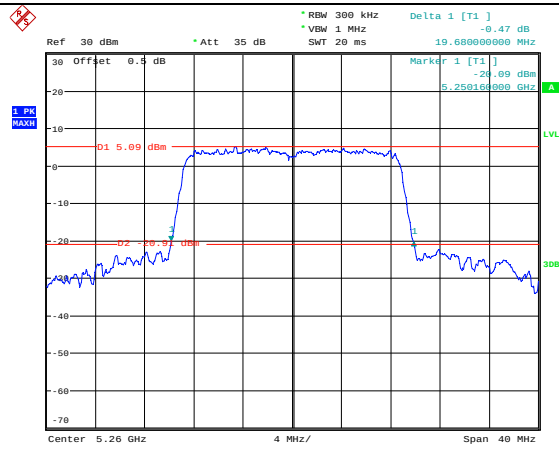
802.11ax hew80
Middle Channel

Date: 9.MAY.2023 21:25:02

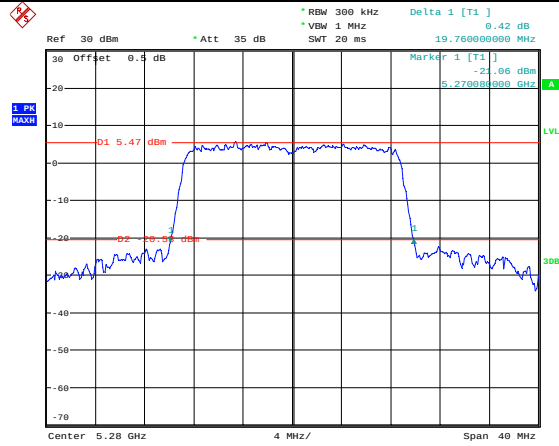
5250-5350MHz:



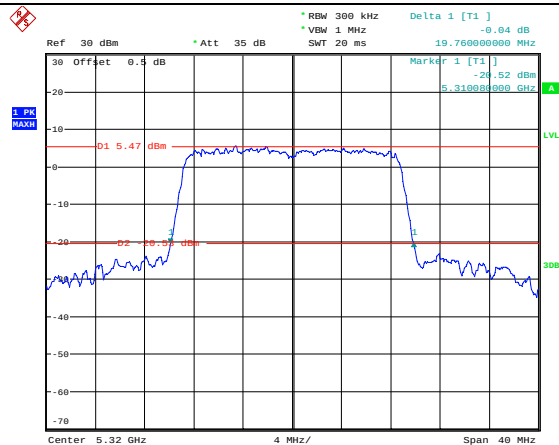
26dB Emission Bandwidth

802.11n ht20
Lowest Channel

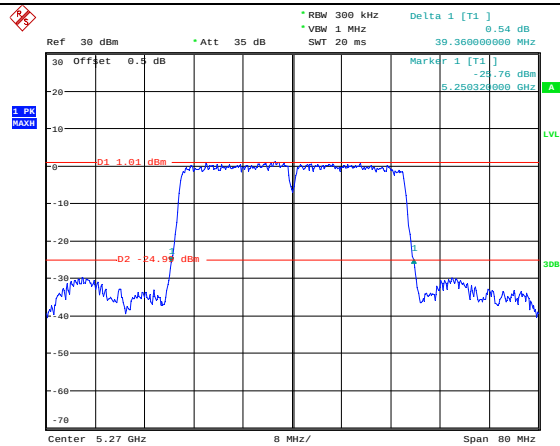
Date: 9.MAY.2023 20:00:48

802.11n ht20
Middle Channel

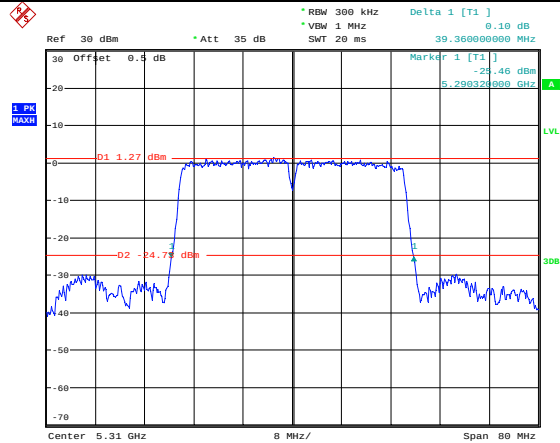
Date: 9.MAY.2023 20:03:25

802.11n ht20
Highest Channel

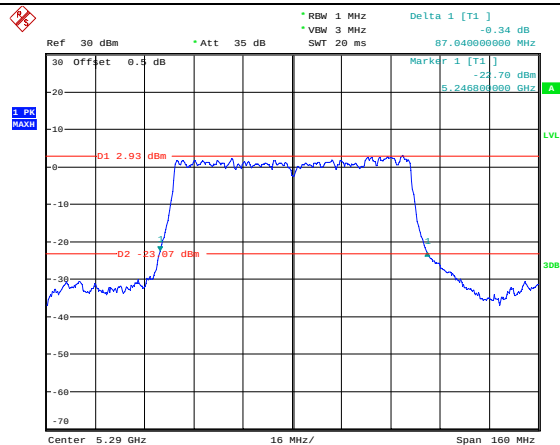
Date: 9.MAY.2023 20:05:24

26dB Emission Bandwidth802.11n ht40
Lowest Channel

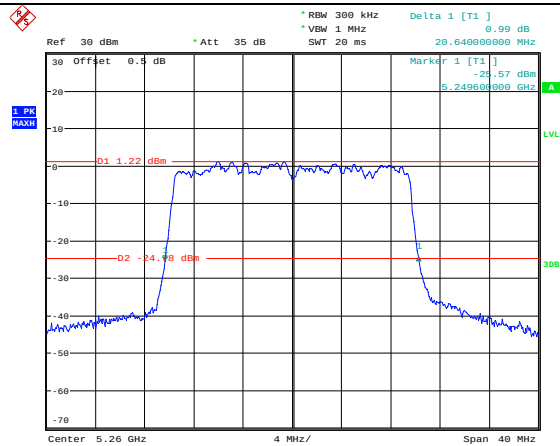
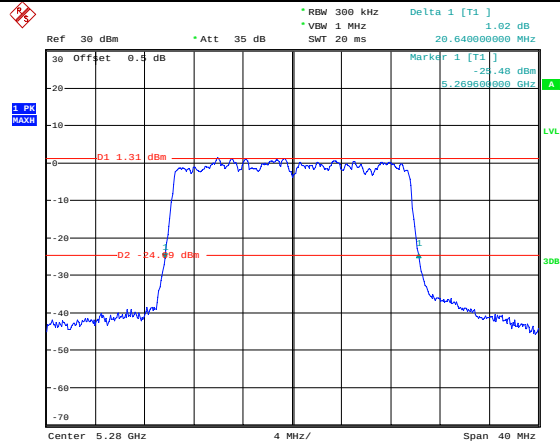
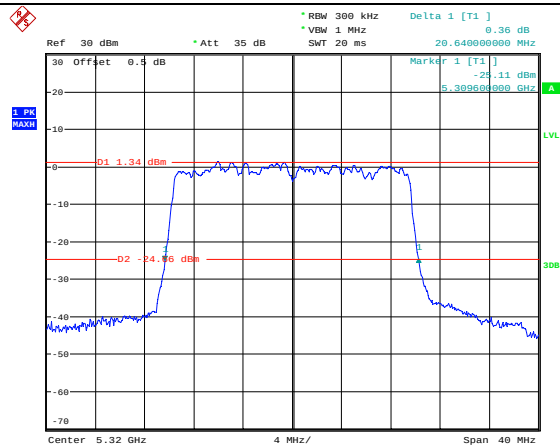
Date: 9.MAY.2023 20:08:16

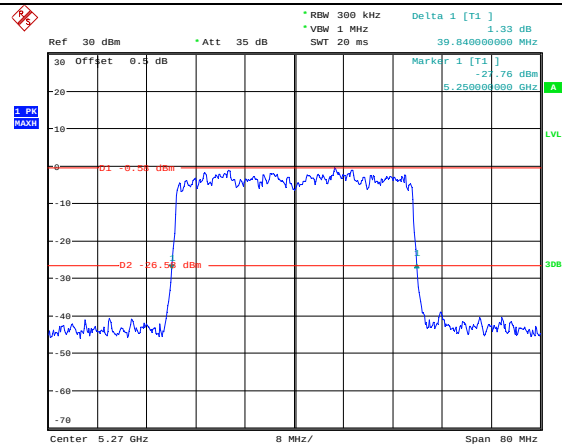
802.11n ht40
Highest Channel

Date: 9.MAY.2023 20:10:41

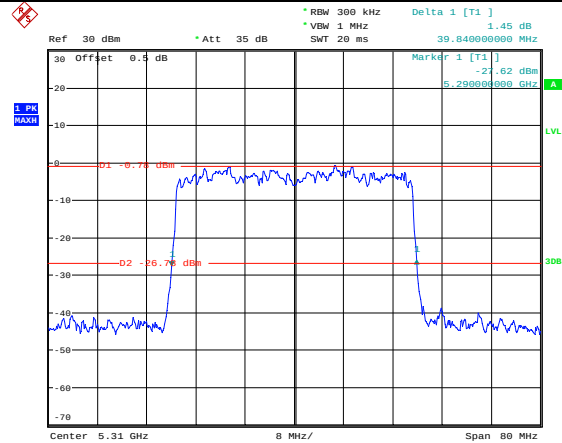
802.11ac vht80
Middle Channel

Date: 9.MAY.2023 20:13:11

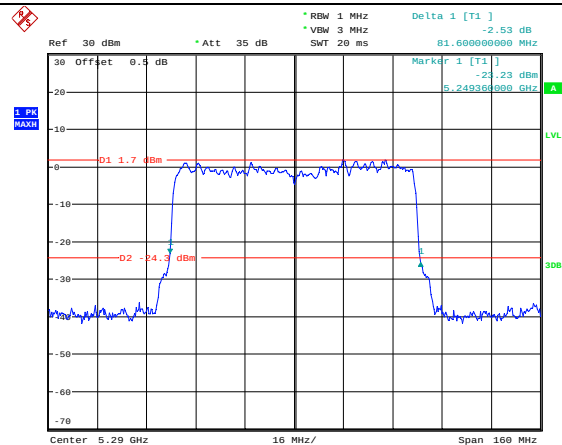
26dB Emission Bandwidth802.11ax hew20
Lowest Channel802.11ax hew20
Middle Channel802.11ax hew20
Highest Channel

26dB Emission Bandwidth802.11ax hew40
Lowest Channel

Date: 17.MAY.2023 00:21:16

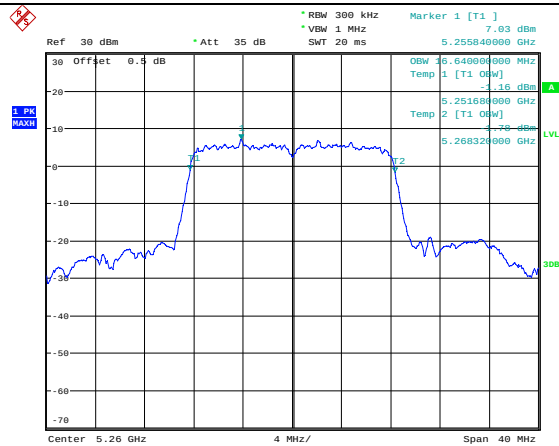
802.11ax hew40
Highest Channel

Date: 17.MAY.2023 00:22:43

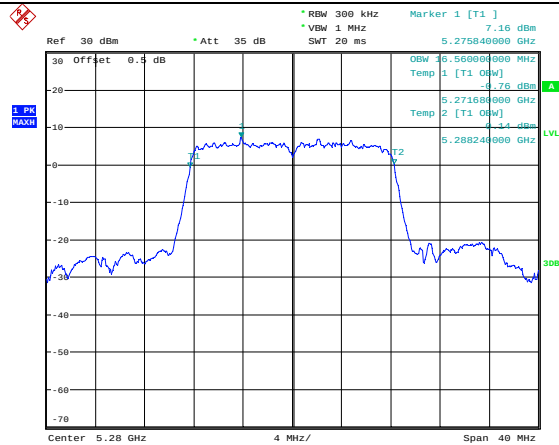
802.11ax hew80
Middle Channel

Date: 17.MAY.2023 00:23:57

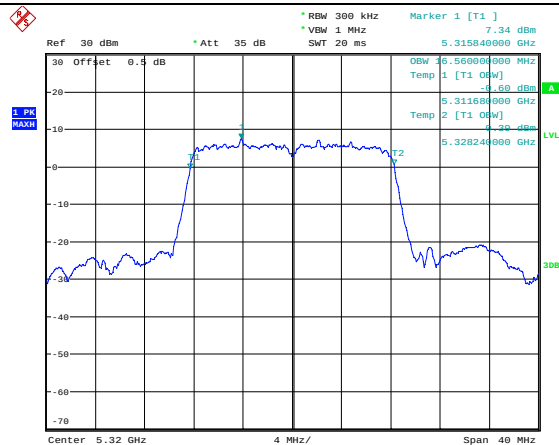
99% Emission Bandwidth

802.11a
Lowest Channel

Date: 9.MAY.2023 19:53:56

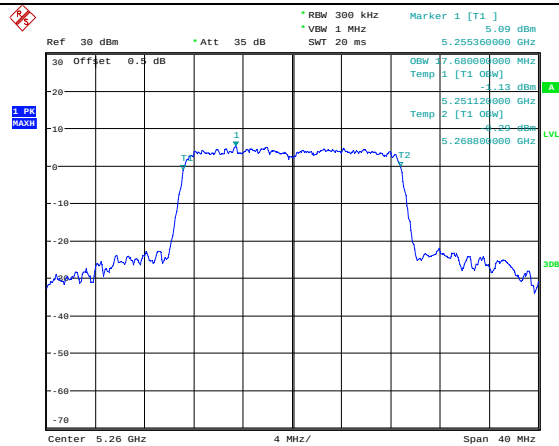
802.11a
Middle Channel

Date: 9.MAY.2023 19:56:40

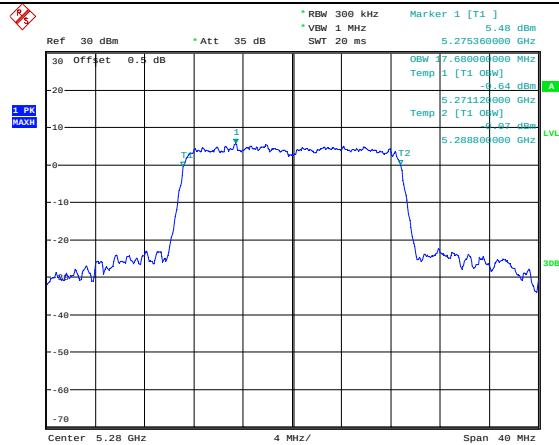
802.11a
Highest Channel

Date: 9.MAY.2023 19:58:20

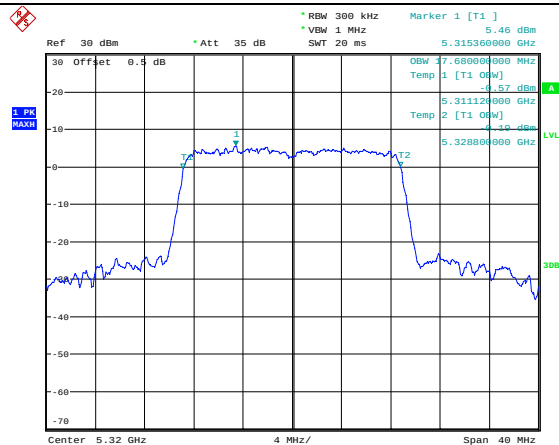
99% Emission Bandwidth

802.11n ht20
Lowest Channel

Date: 9.MAY.2023 20:01:02

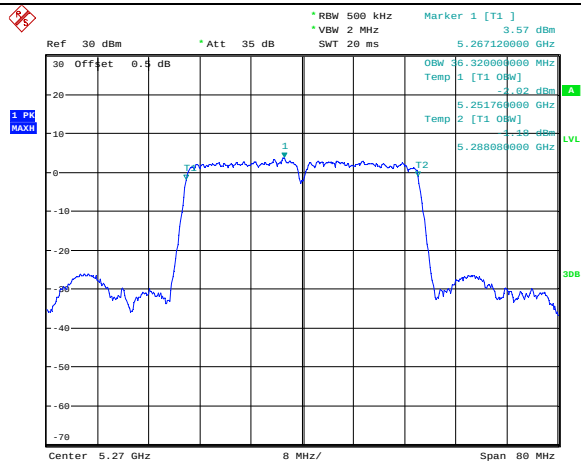
802.11n ht20
Middle Channel

Date: 9.MAY.2023 20:03:39

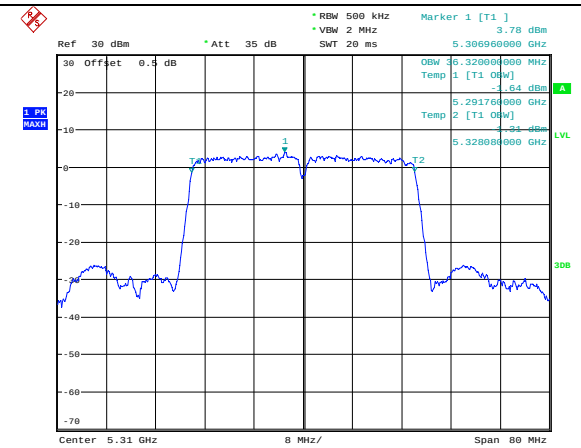
802.11n ht20
Highest Channel

Date: 9.MAY.2023 20:05:38

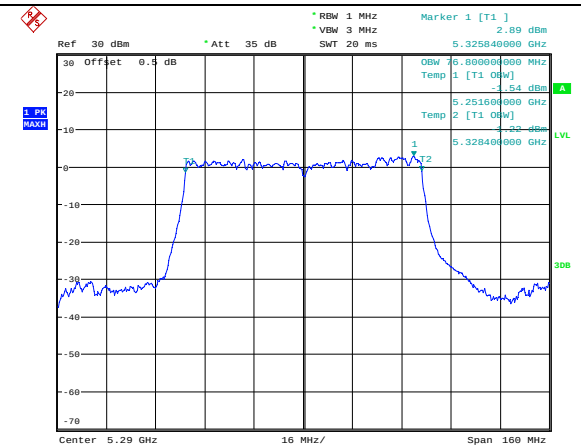
99% Emission Bandwidth

802.11n ht40
Lowest Channel

Date: 9.MAY.2023 20:08:30

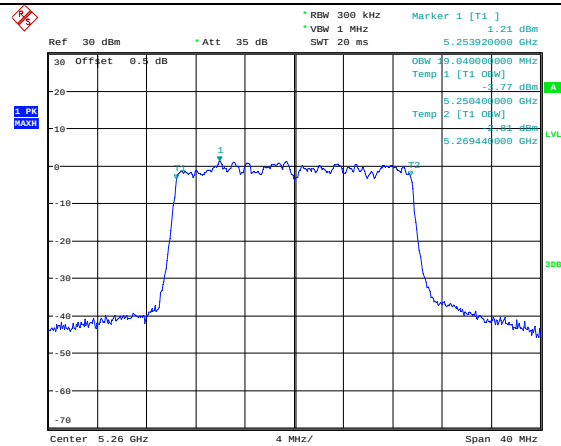
802.11n ht40
Highest Channel

Date: 9.MAY.2023 20:10:52

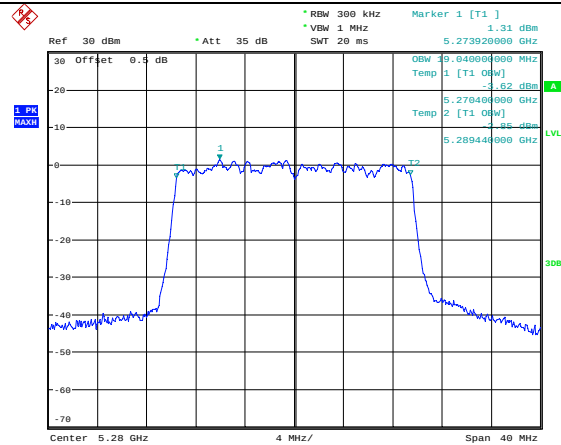
802.11ac vht80
Middle Channel

Date: 9.MAY.2023 20:13:22

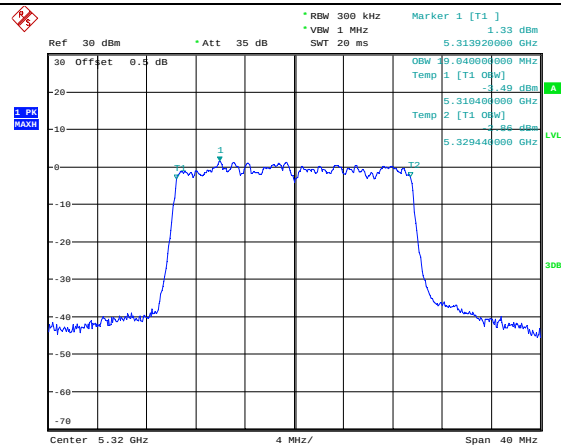
99% Emission Bandwidth

802.11ax hew20
Lowest Channel

Date: 17.MAY.2023 00:17:27

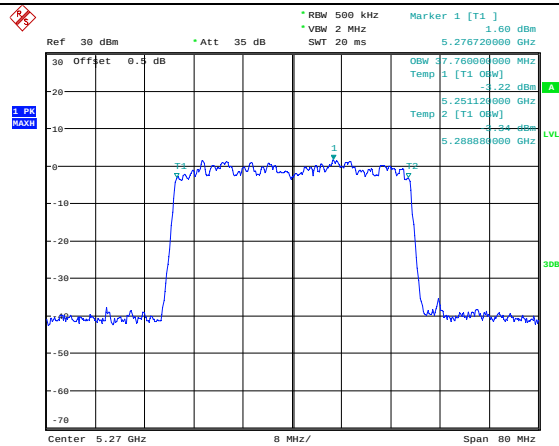
802.11ax hew20
Middle Channel

Date: 17.MAY.2023 00:18:45

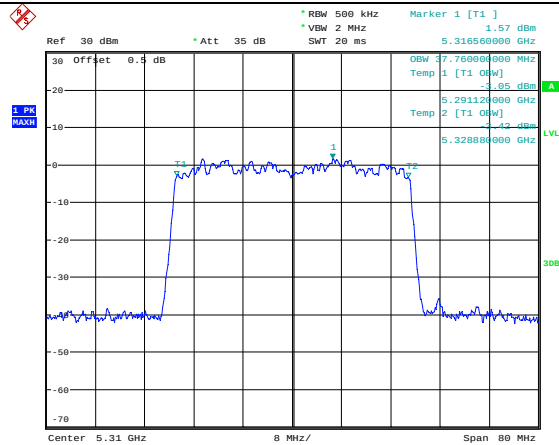
802.11ax hew20
Highest Channel

Date: 17.MAY.2023 00:19:44

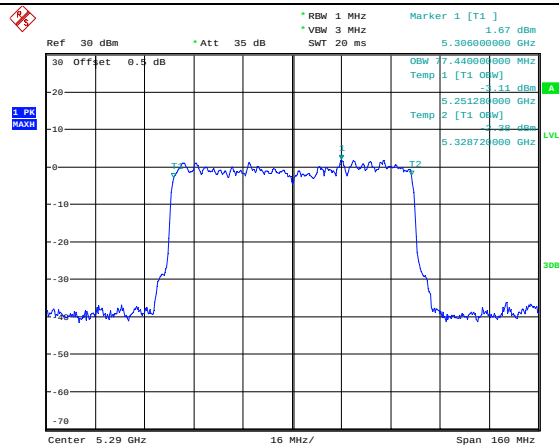
99% Emission Bandwidth

802.11ax hew40
Lowest Channel

Date: 17.MAY.2023 00:21:29

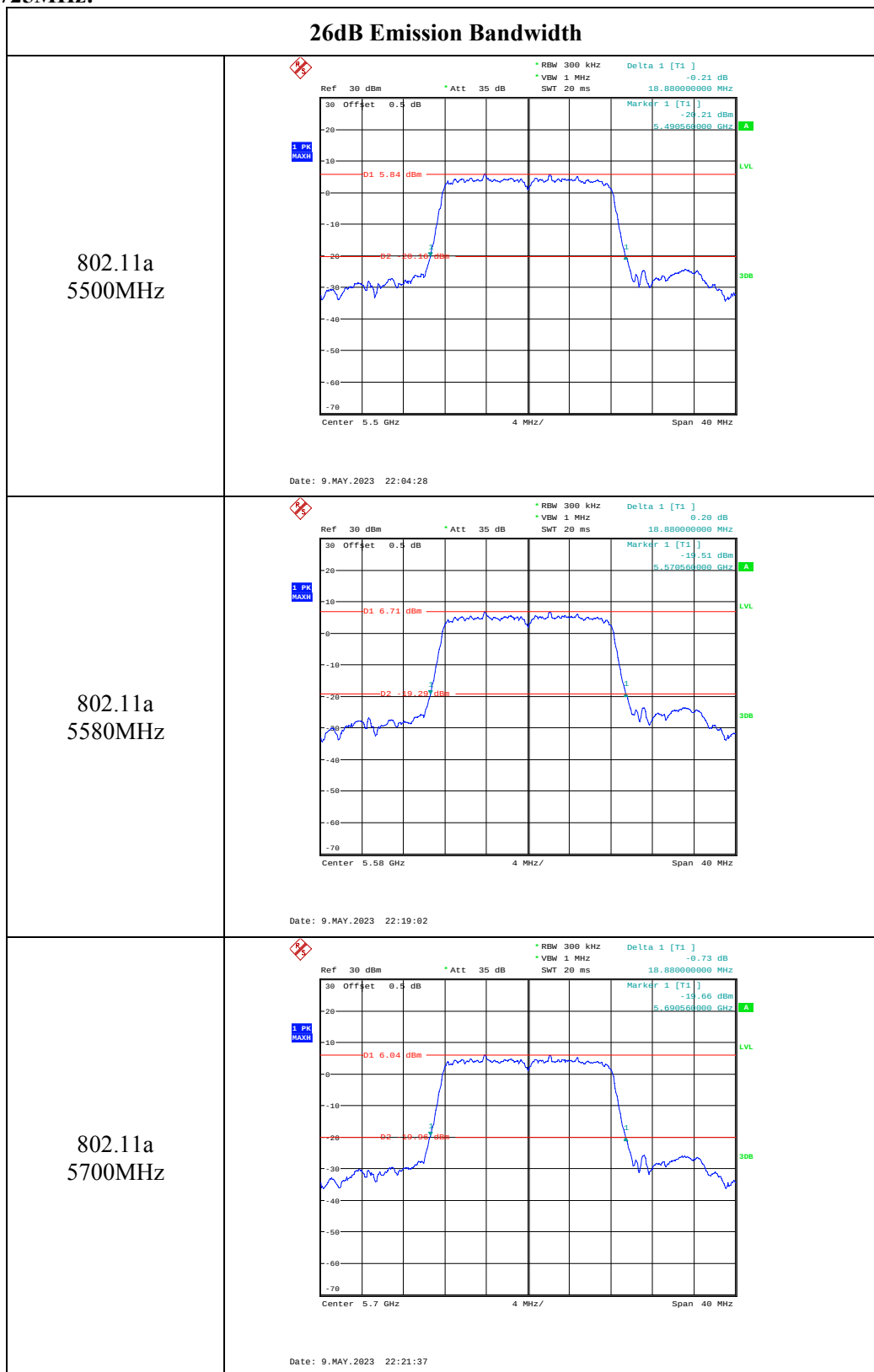
802.11ax hew40
Highest Channel

Date: 17.MAY.2023 00:22:56

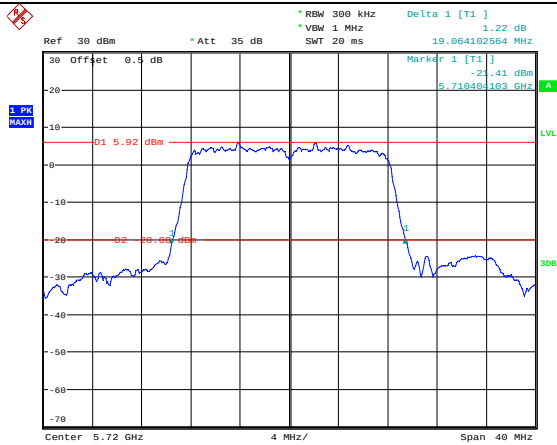
802.11ax hew80
Middle Channel

Date: 17.MAY.2023 00:24:10

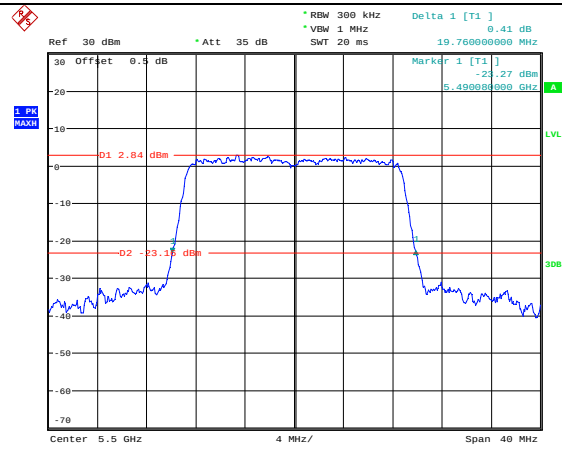
5470-5725MHz:



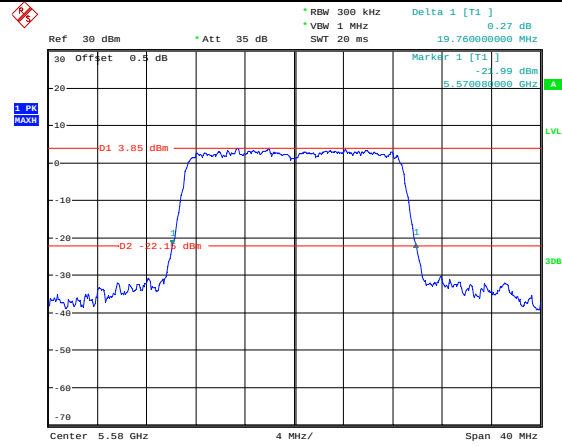
802.11a
5720MHz



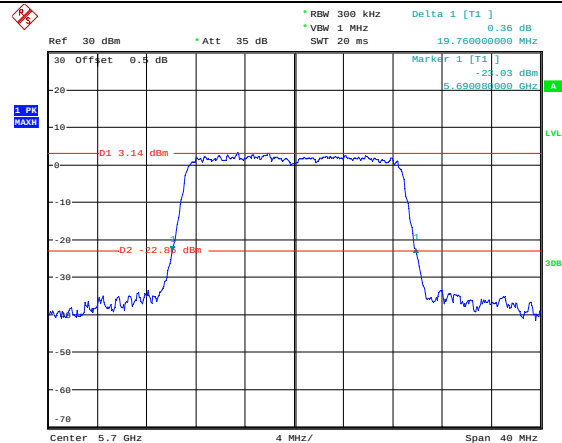
Date: 10.MAY.2023 00:01:51

26dB Emission Bandwidth802.11n ht20
5500MHz

Date: 9.MAY.2023 22:24:59

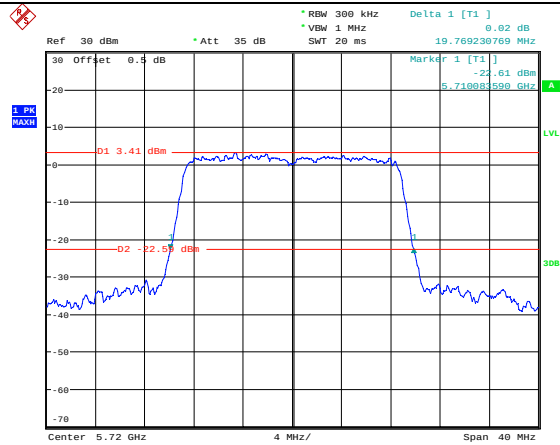
802.11n ht20
5580MHz

Date: 9.MAY.2023 22:38:54

802.11n ht20
5700MHz

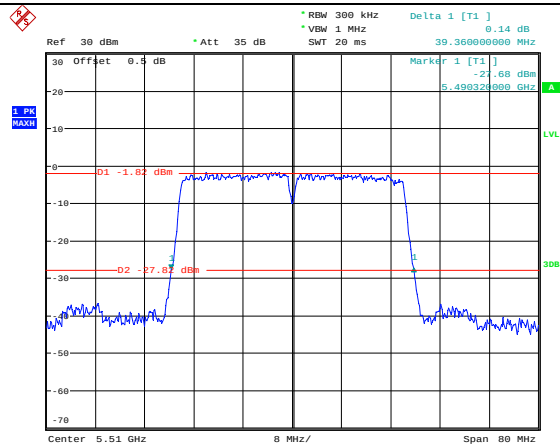
Date: 9.MAY.2023 22:41:16

802.11n ht20
5720MHz

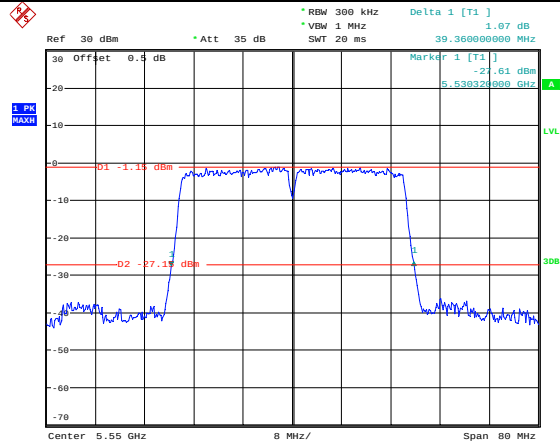


Date: 10.MAY.2023 00:09:56

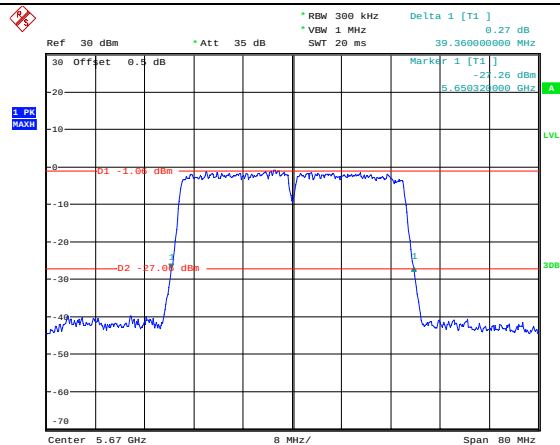
26dB Emission Bandwidth

802.11n ht40
5510MHz

Date: 9.MAY.2023 22:54:38

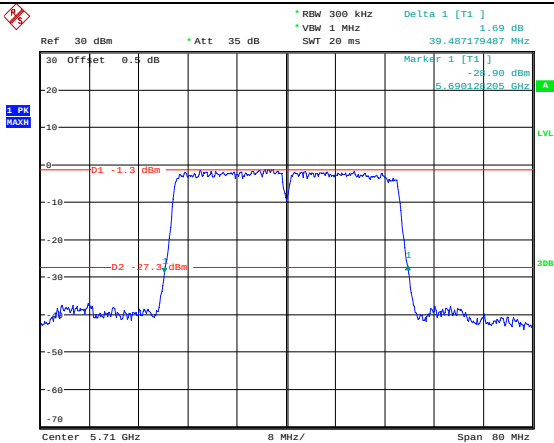
802.11n ht40
5550MHz

Date: 9.MAY.2023 23:00:21

802.11n ht40
5670MHz

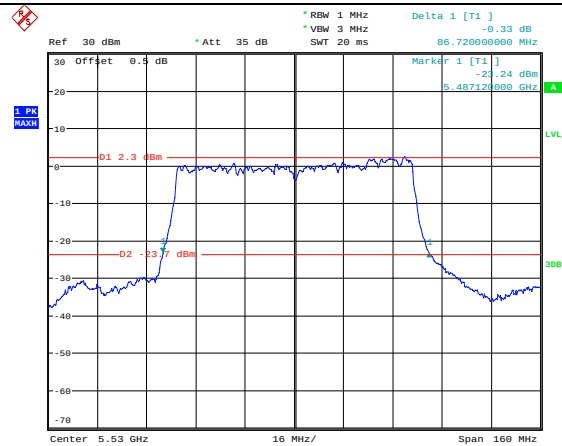
Date: 9.MAY.2023 23:03:15

802.11n ht40
5710MHz

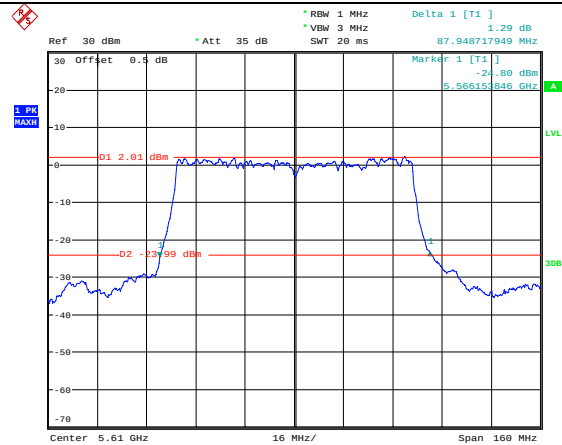


Date: 10.MAY.2023 00:14:15

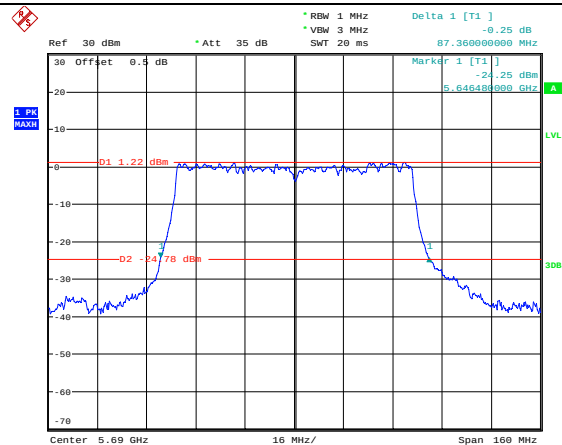
26dB Emission Bandwidth

802.11ac vht80
5530MHz

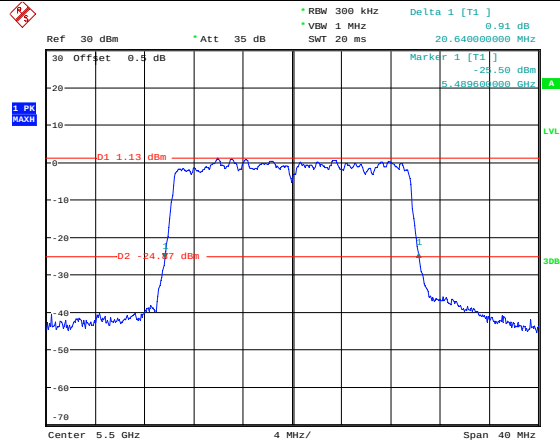
Date: 9.MAY.2023 23:08:32

802.11ac vht80
5610MHz

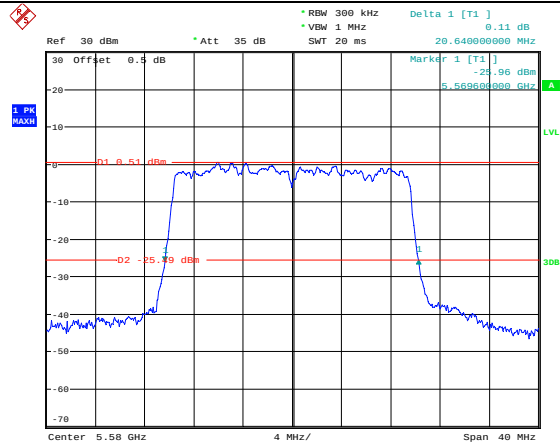
Date: 10.MAY.2023 09:25:14

802.11ac vht80
5690MHz

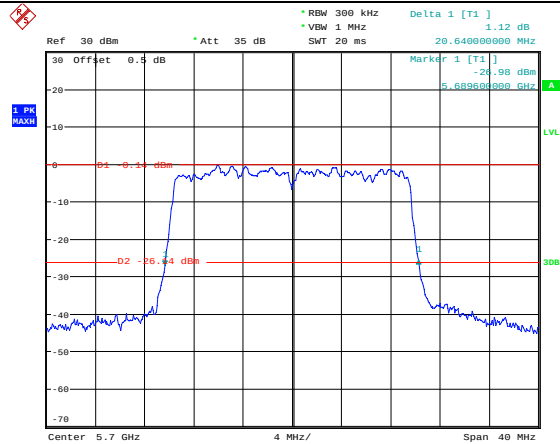
Date: 9.MAY.2023 23:11:10

26dB Emission Bandwidth802.11ax hew20
5500MHz

Date: 17.MAY.2023 23:59:09

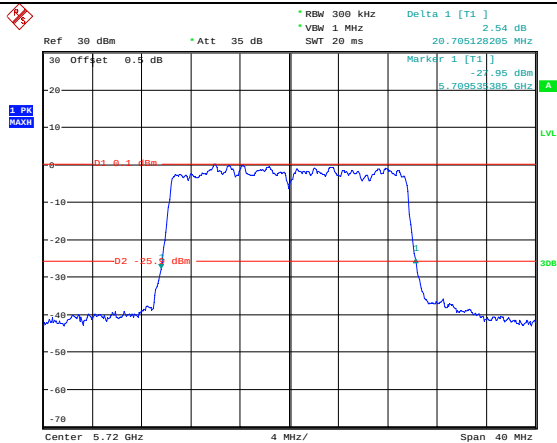
802.11ax hew20
5580MHz

Date: 18.MAY.2023 00:00:20

802.11ax hew20
5700MHz

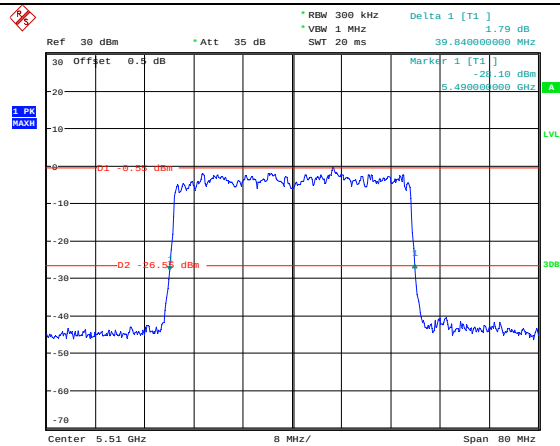
Date: 18.MAY.2023 00:01:57

802.11ax hew20
5720MHz

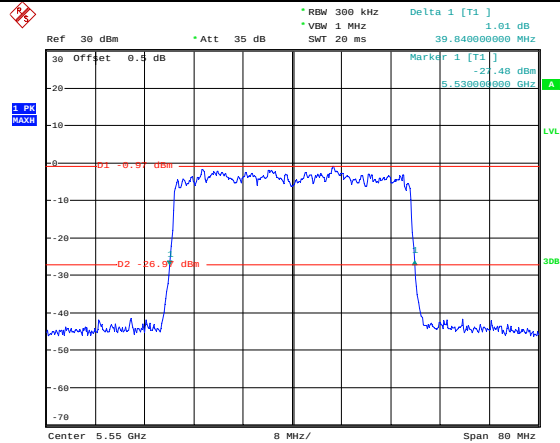


Date: 18.MAY.2023 00:06:24

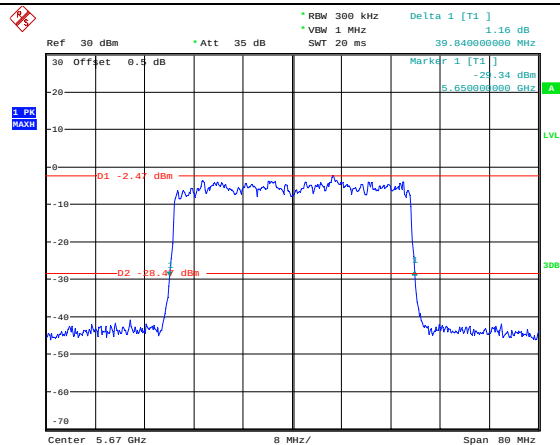
26dB Emission Bandwidth

802.11ax hew40
5510MHz

Date: 18.MAY.2023 00:09:04

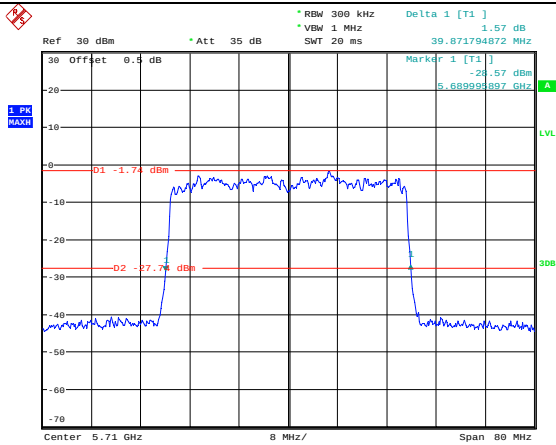
802.11ax hew40
5550MHz

Date: 18.MAY.2023 00:10:10

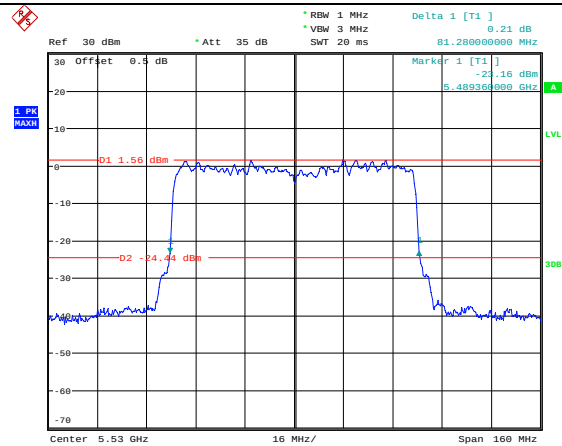
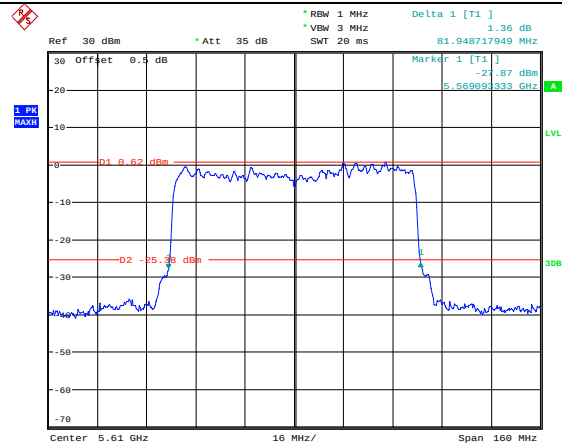
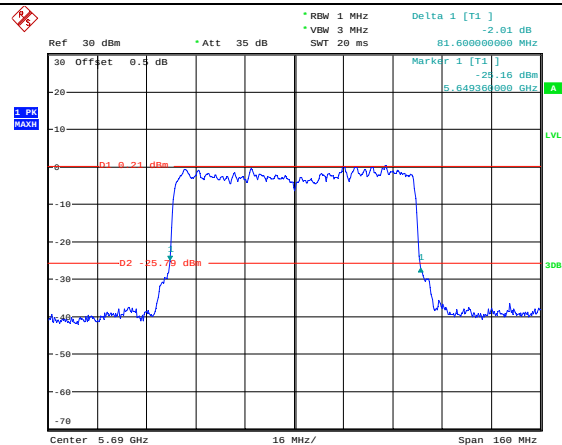
802.11ax hew40
5670MHz

Date: 18.MAY.2023 00:12:13

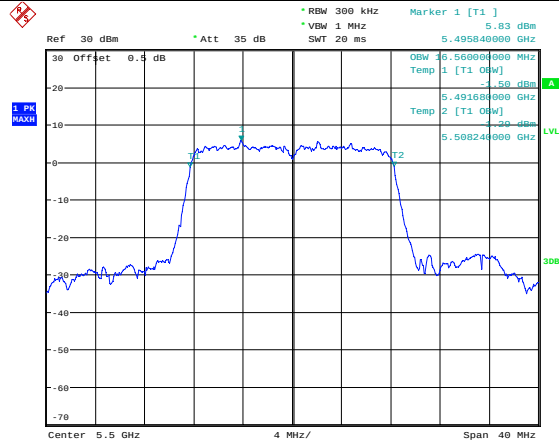
802.11ax hew40
5710MHz



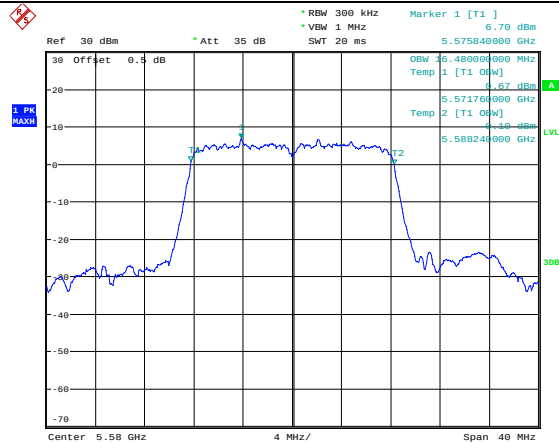
Date: 18.MAY.2023 00:15:40

26dB Emission Bandwidth802.11ax hew80
5530MHz802.11ax hew80
5610MHz802.11ax hew80
5690MHz

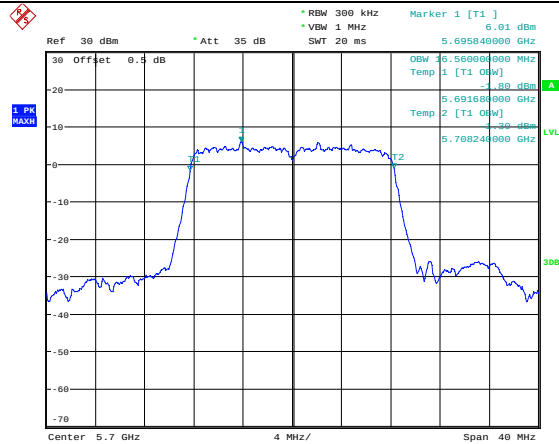
99% Emission Bandwidth

802.11a
5500MHz

Date: 9.MAY.2023 22:04:42

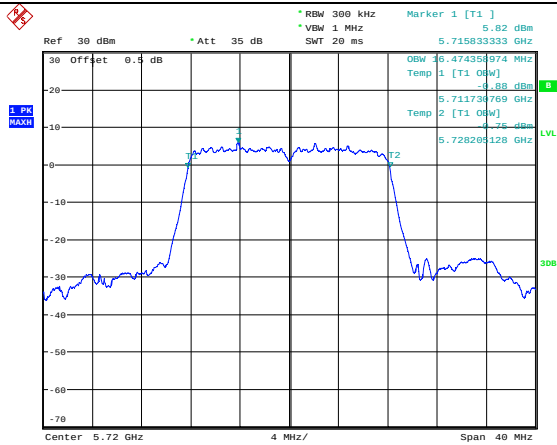
802.11a
5580MHz

Date: 9.MAY.2023 22:19:16

802.11a
5700MHz

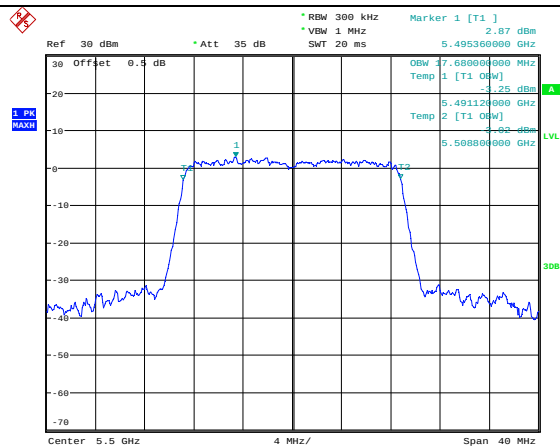
Date: 9.MAY.2023 22:21:51

802.11a
5720MHz

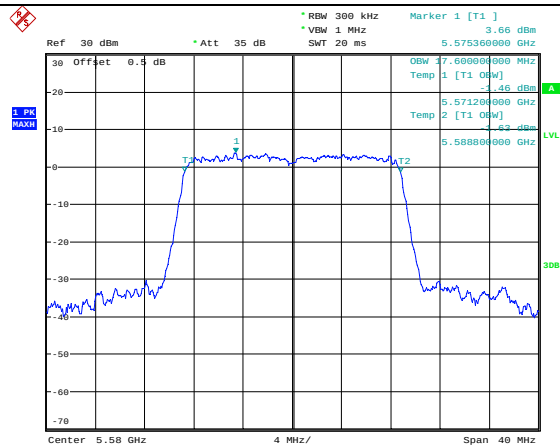


Date: 10.MAY.2023 00:04:36

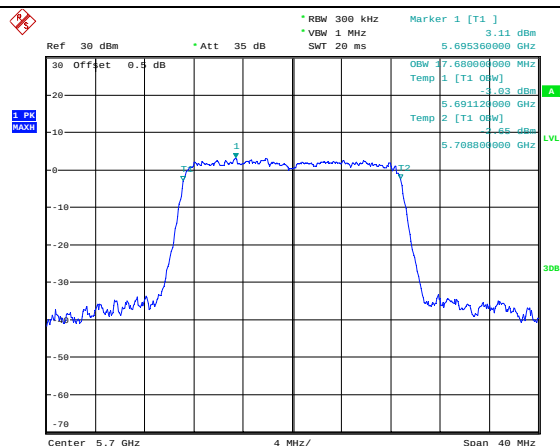
99% Emission Bandwidth

802.11n ht20
5500MHz

Date: 9.MAY.2023 22:25:14

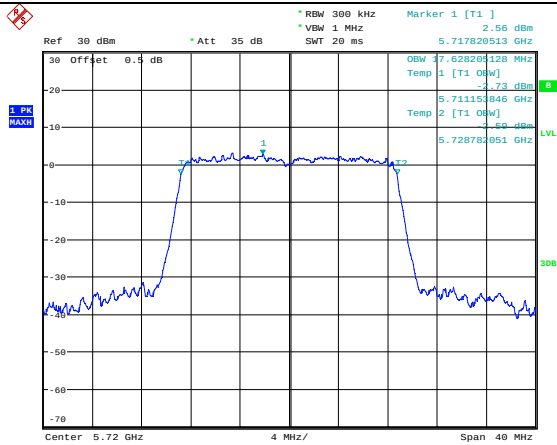
802.11n ht20
5580MHz

Date: 9.MAY.2023 22:39:09

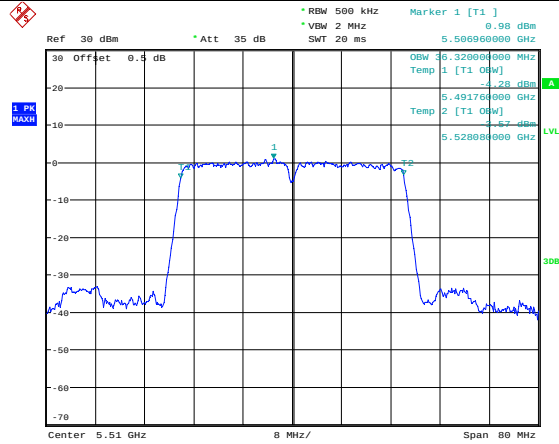
802.11n ht20
5700MHz

Date: 9.MAY.2023 22:41:31

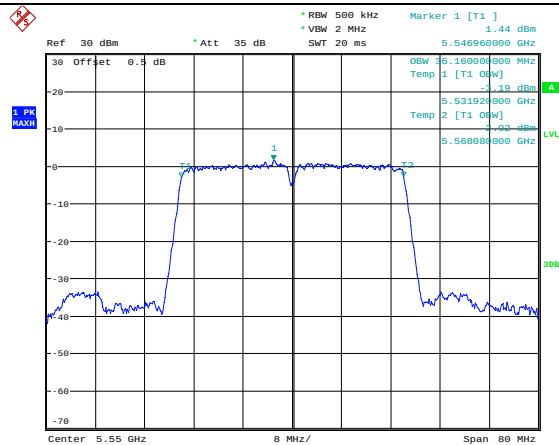
802.11n ht20
5720MHz



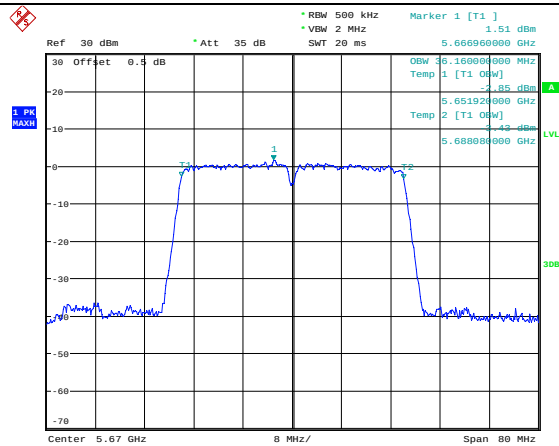
Date: 10.MAY.2023 00:10:12

99% Emission Bandwidth802.11n ht40
5510MHz

Date: 9.MAY.2023 22:54:52

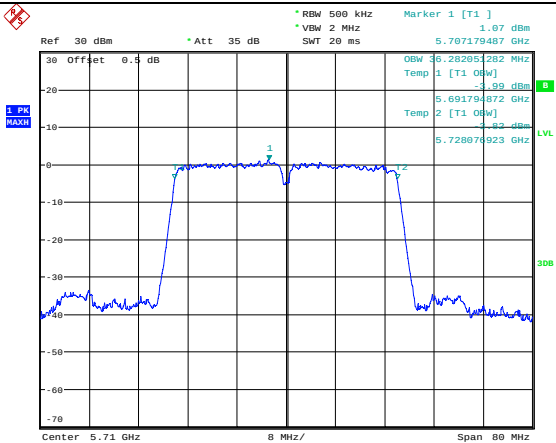
802.11n ht40
5550MHz

Date: 9.MAY.2023 23:00:36

802.11n ht40
5670MHz

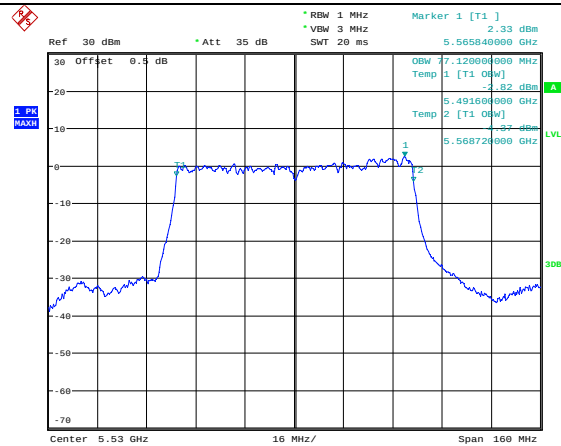
Date: 9.MAY.2023 23:03:29

8802.11n ht40
5710MHz

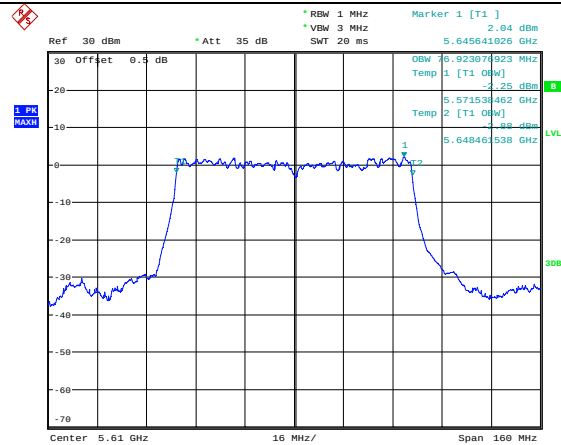


Date: 10.MAY.2023 00:14:54

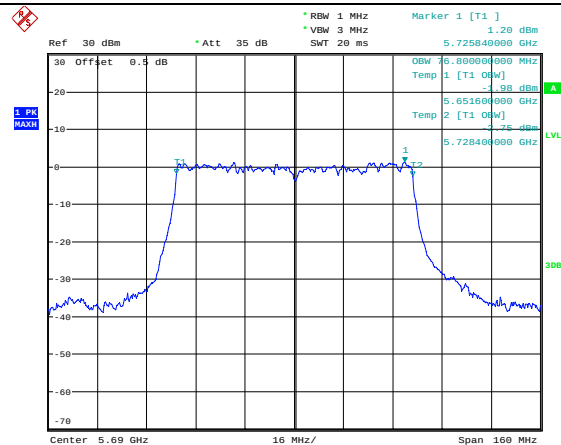
99% Emission Bandwidth

802.11ac vht80
5530MHz

Date: 9.MAY.2023 23:08:43

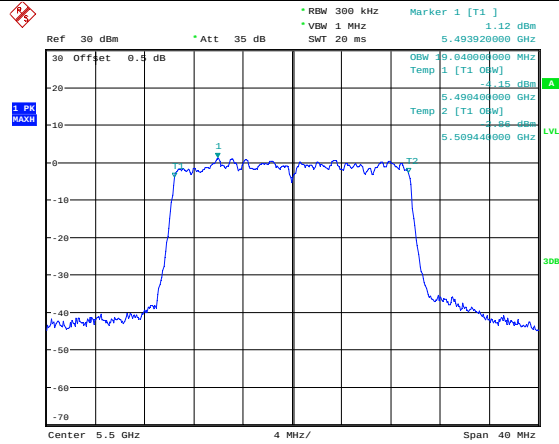
802.11ac vht80
5610MHz

Date: 10.MAY.2023 00:25:49

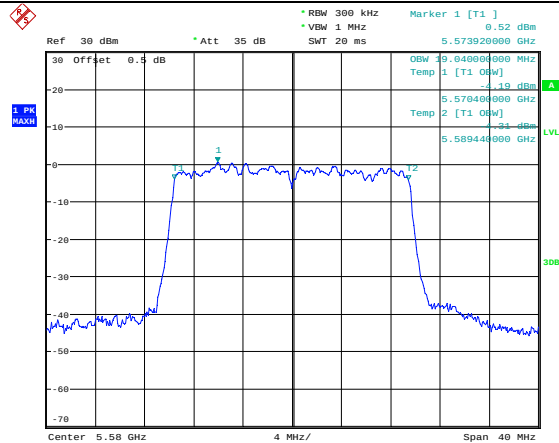
802.11ac vht80
5690MHz

Date: 9.MAY.2023 23:11:24

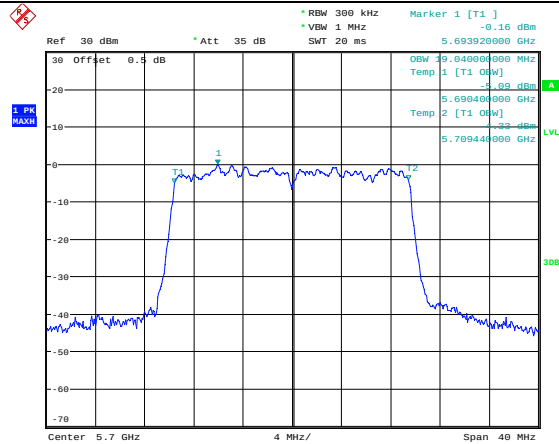
99% Emission Bandwidth

802.11ax hew20
5500MHz

Date: 17.MAY.2023 23:59:23

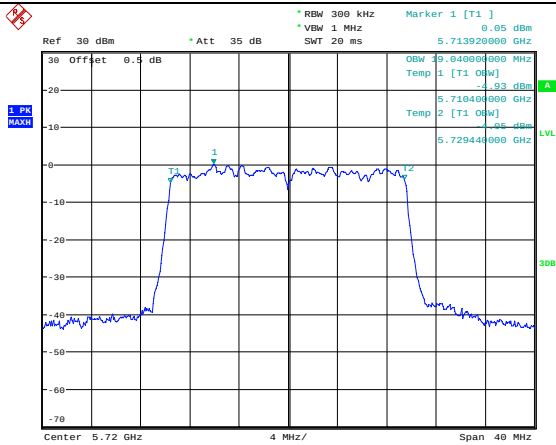
802.11ax hew20
5580MHz

Date: 18.MAY.2023 00:00:33

802.11ax hew20
5700MHz

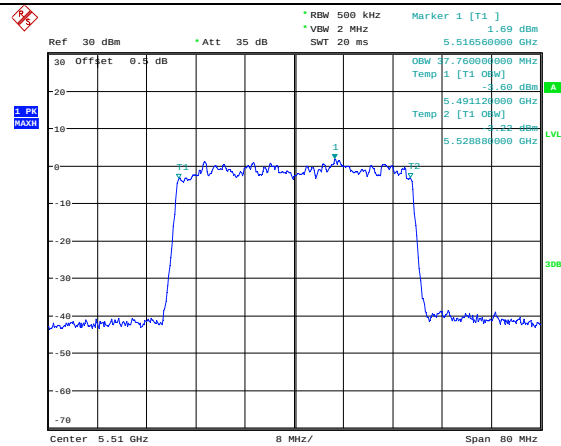
Date: 18.MAY.2023 00:02:07

802.11ax hew20
5720MHz

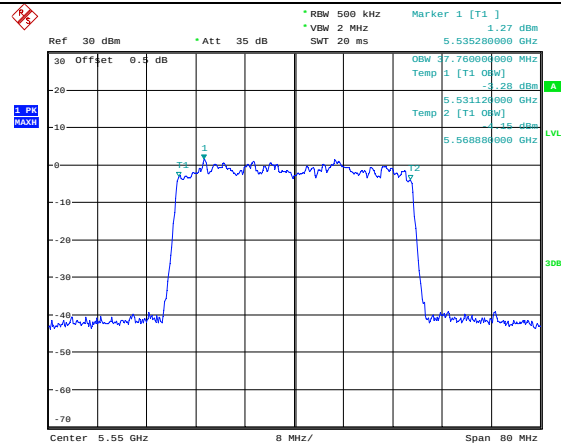


Date: 18.MAY.2023 00:07:02

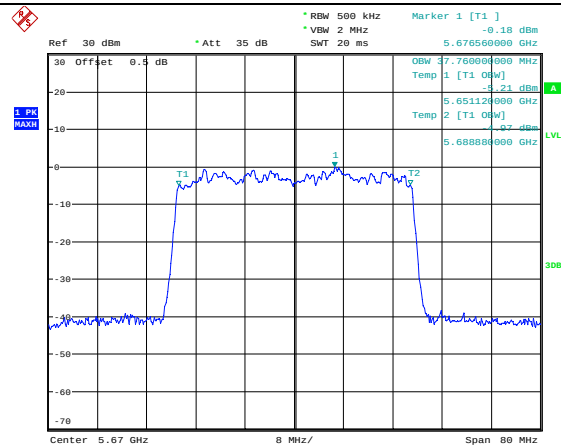
99% Emission Bandwidth

802.11ax hew40
5510MHz

Date: 18.MAY.2023 00:09:19

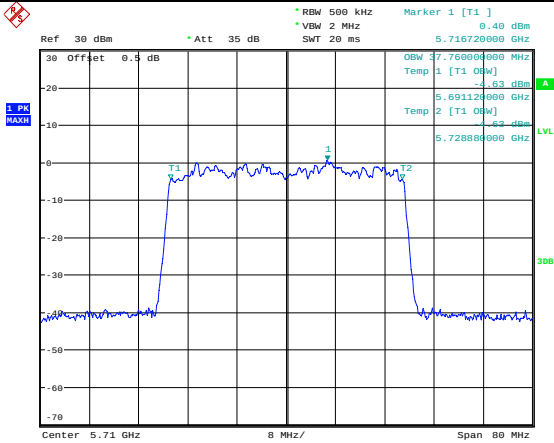
802.11ax hew40
5550MHz

Date: 18.MAY.2023 00:10:25

802.11ax hew40
5670MHz

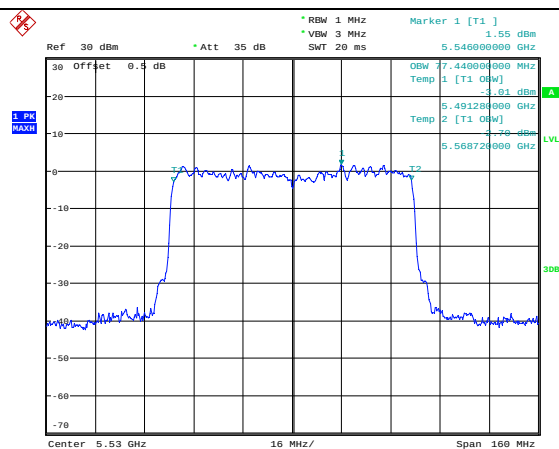
Date: 18.MAY.2023 00:12:27

802.11ax hew40
5710MHz

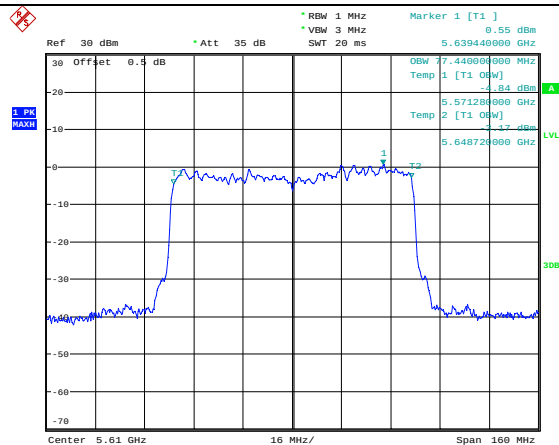


Date: 18.MAY.2023 00:16:24

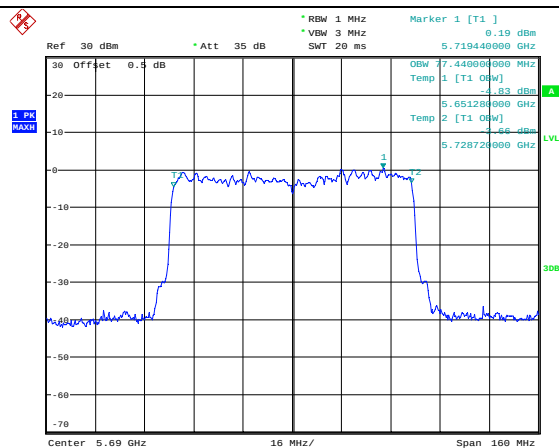
99% Emission Bandwidth

802.11ax hew80
5530MHz

Date: 18.MAY.2023 00:10:11

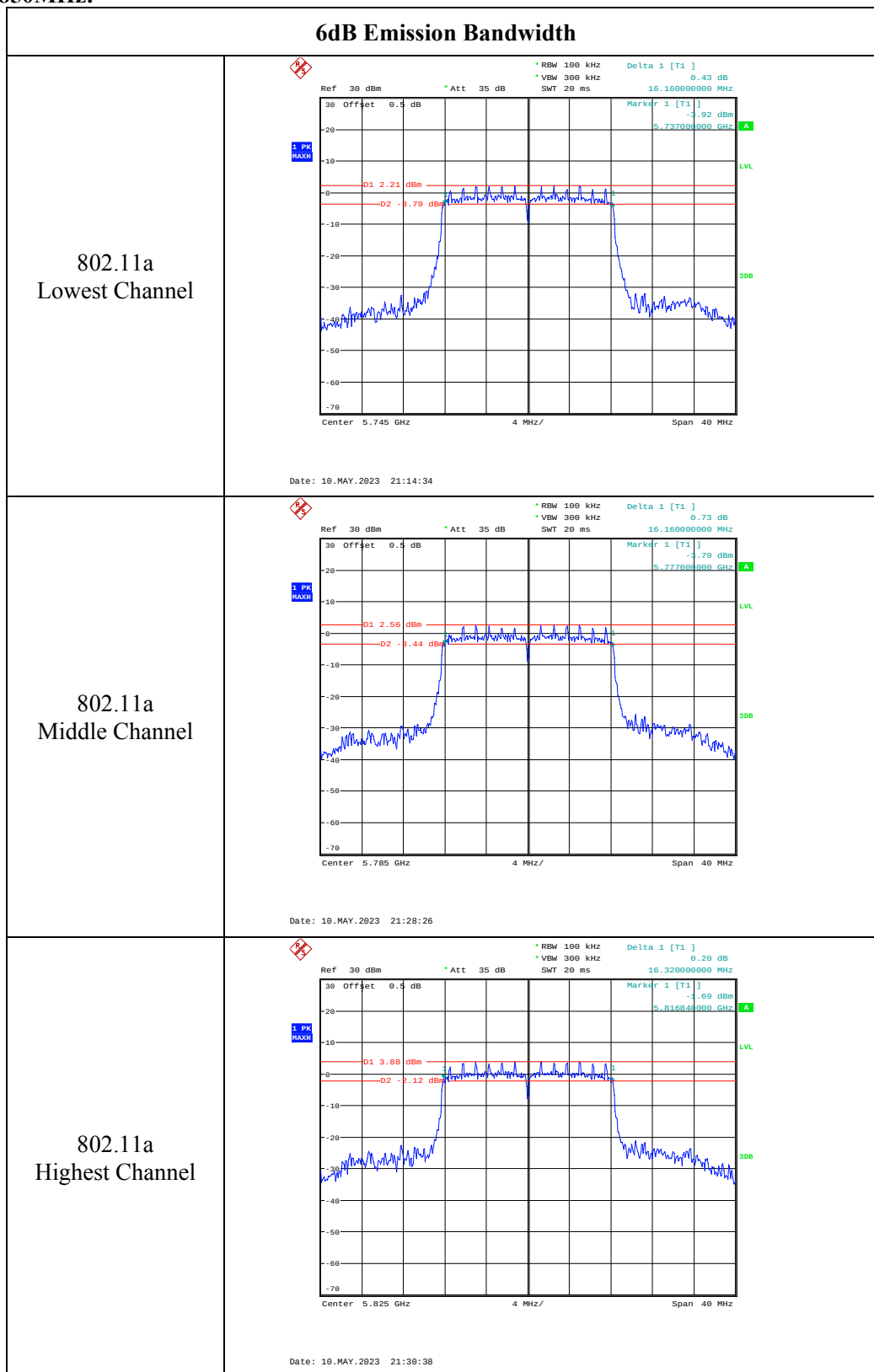
802.11ax hew80
5610MHz

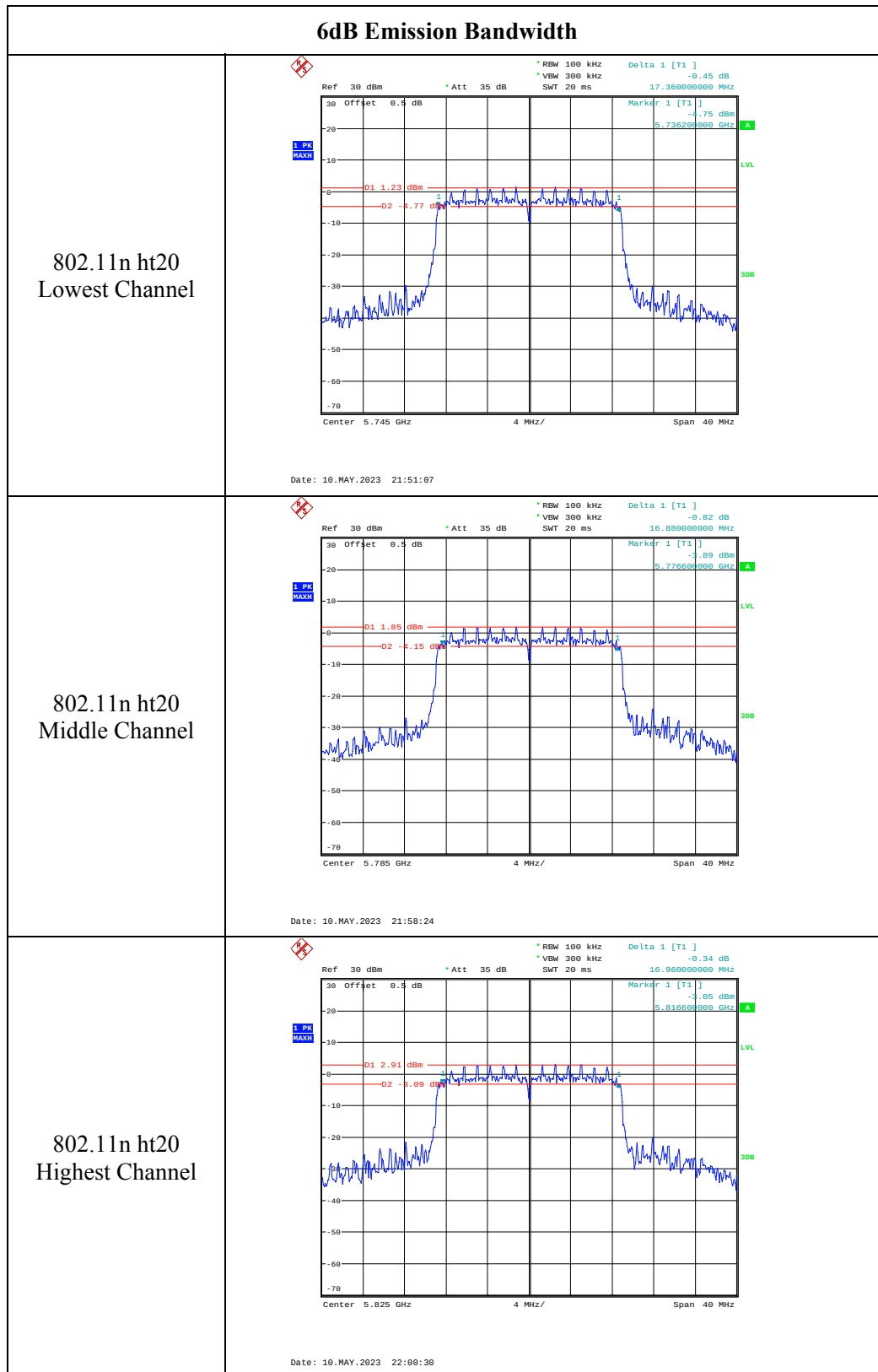
Date: 18.MAY.2023 00:22:56

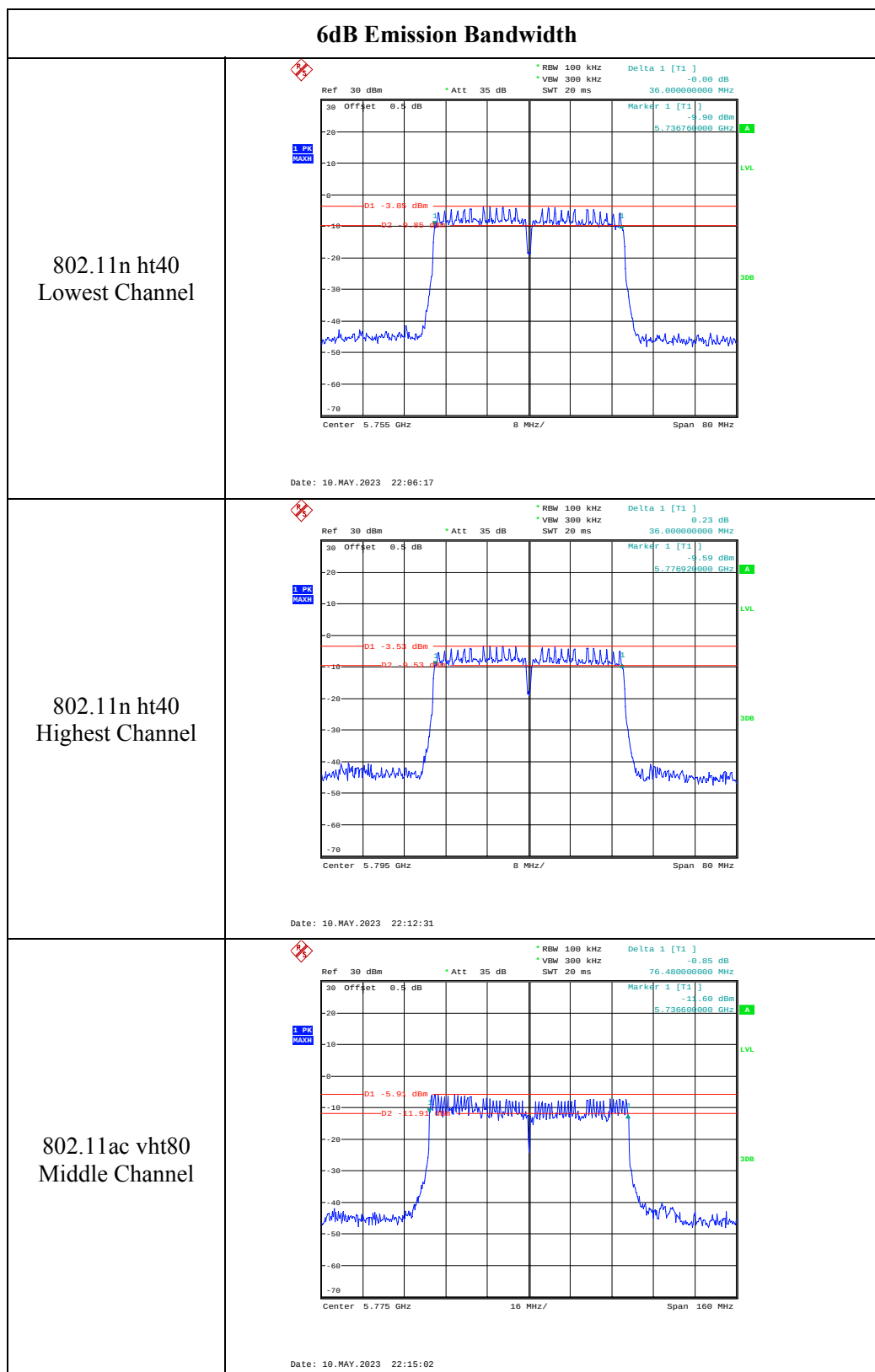
802.11ax hew80
5690MHz

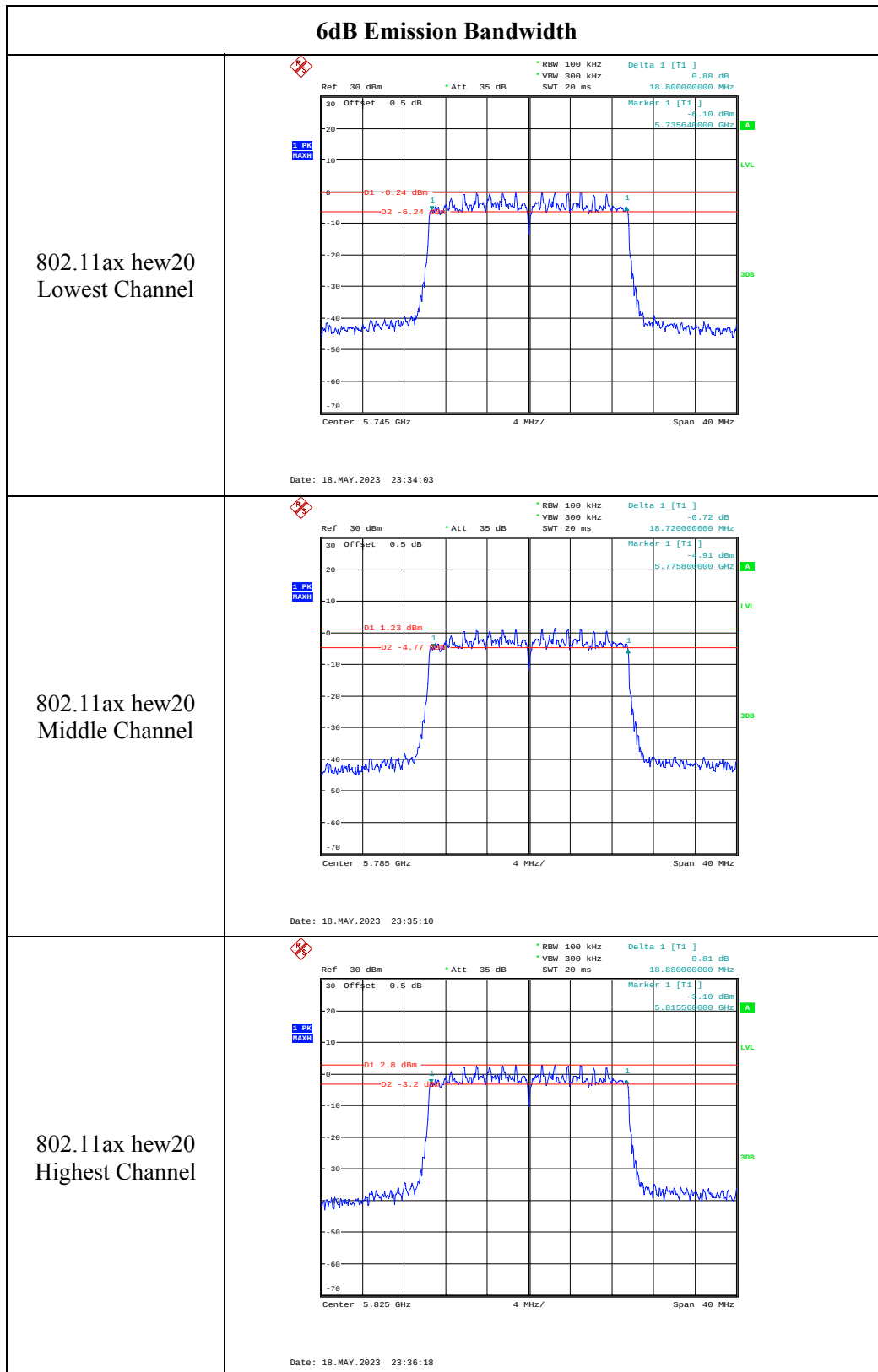
Date: 18.MAY.2023 00:19:40

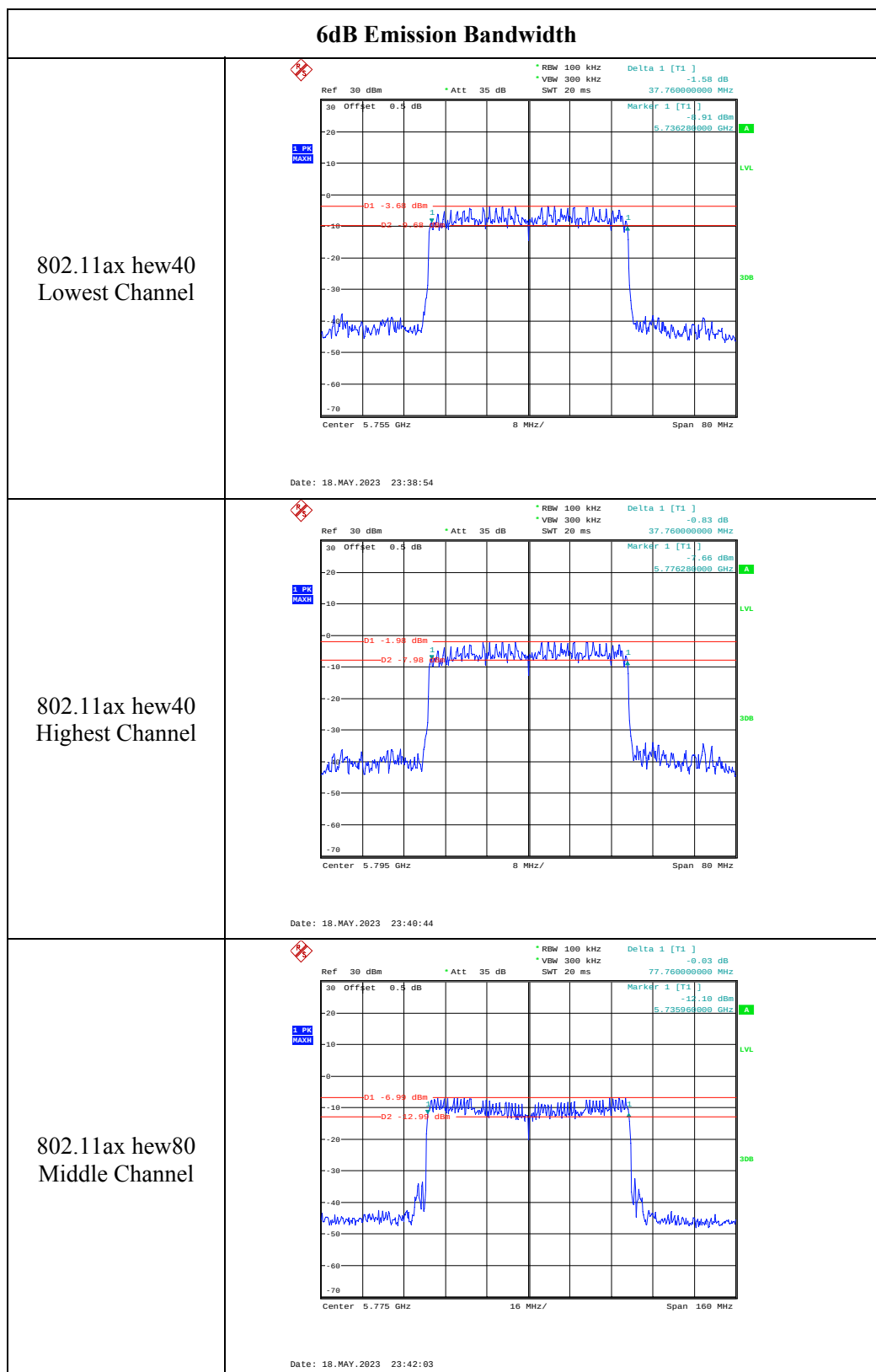
5725-5850MHz:



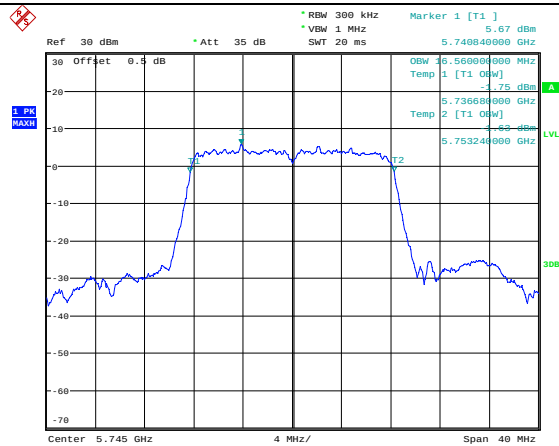




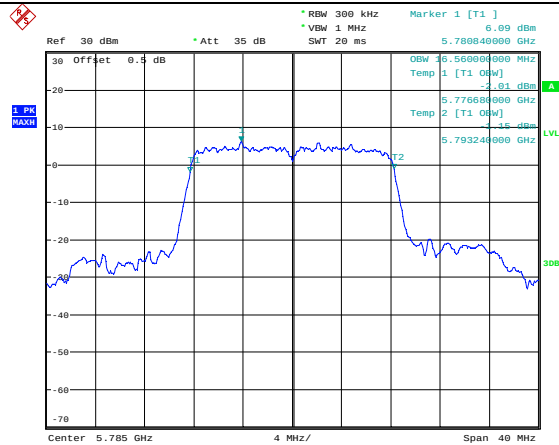




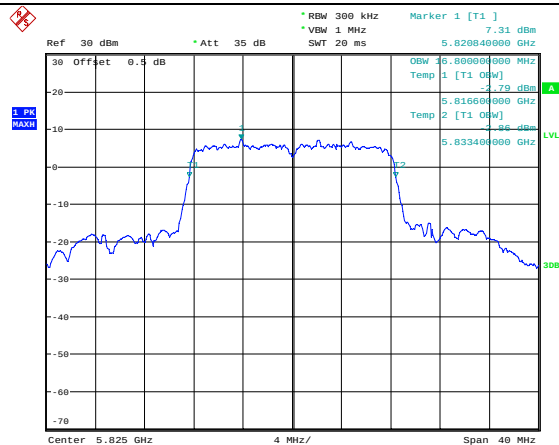
99% Emission Bandwidth

802.11a
Lowest Channel

Date: 10.MAY.2023 21:14:48

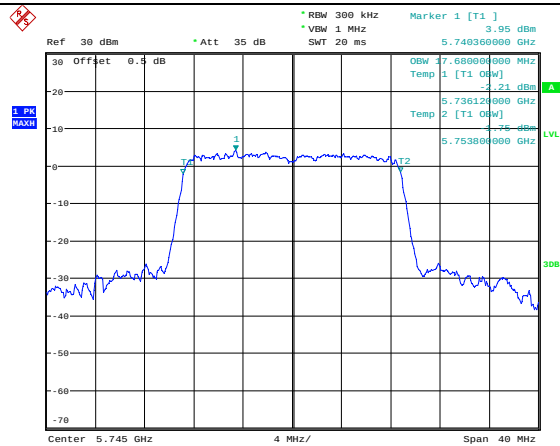
802.11a
Middle Channel

Date: 10.MAY.2023 21:28:40

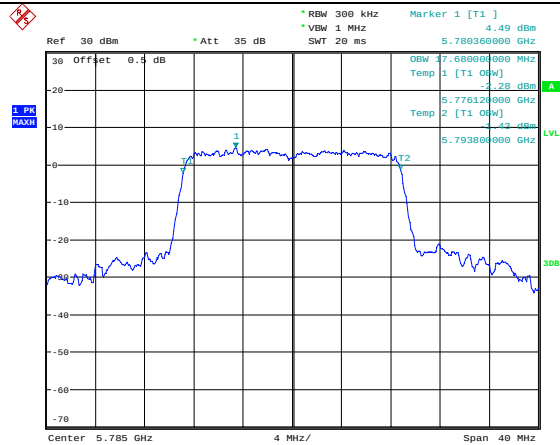
802.11a
Highest Channel

Date: 10.MAY.2023 21:38:53

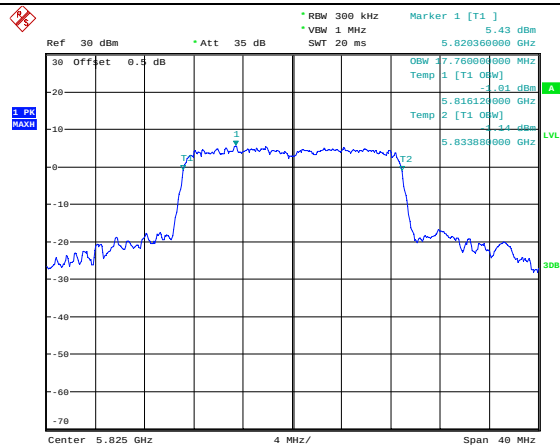
99% Emission Bandwidth

802.11n ht20
Lowest Channel

Date: 10.MAY.2023 21:51:22

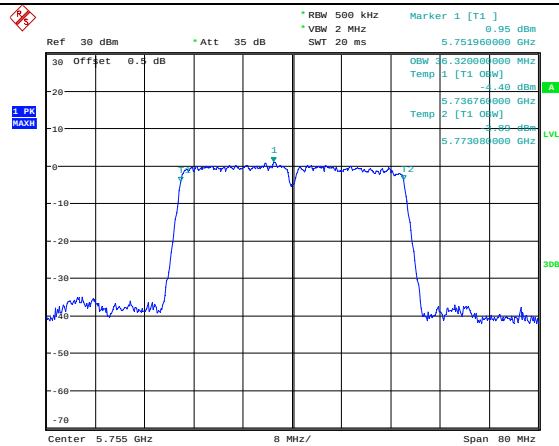
802.11n ht20
Middle Channel

Date: 10.MAY.2023 21:58:38

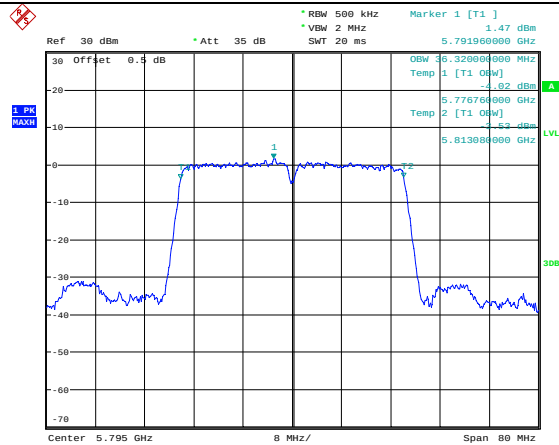
802.11n ht20
Highest Channel

Date: 10.MAY.2023 22:00:45

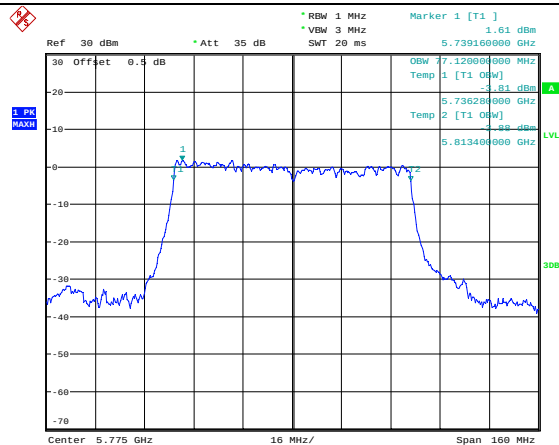
99% Emission Bandwidth

802.11n ht40
Lowest Channel

Date: 10.MAY.2023 22:06:32

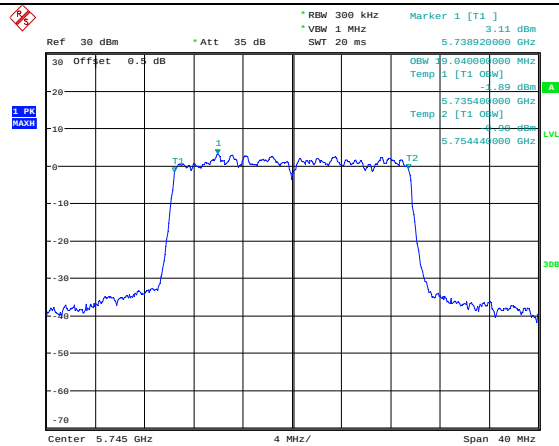
802.11n ht40
Highest Channel

Date: 10.MAY.2023 22:12:45

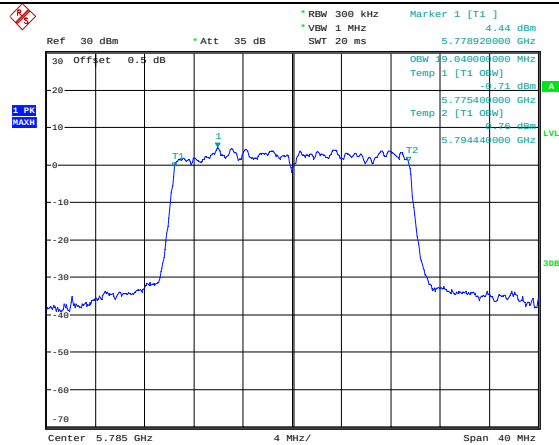
802.11ac vht80
Middle Channel

Date: 10.MAY.2023 22:15:13

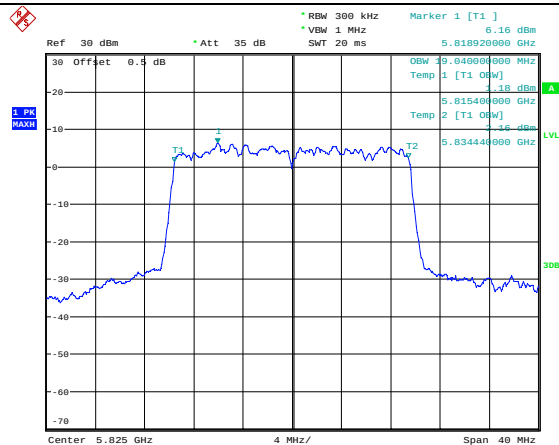
99% Emission Bandwidth

802.11ax hew20
Lowest Channel

Date: 18.MAY.2023 23:34:14

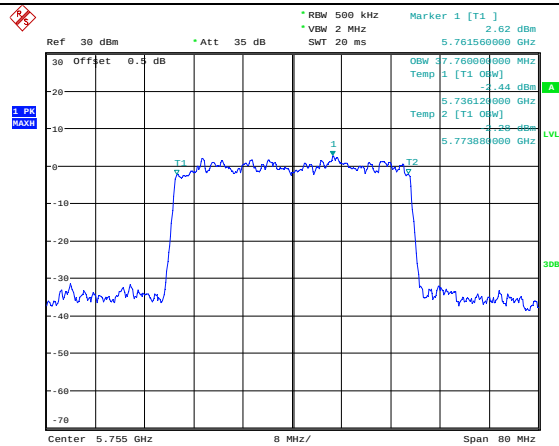
802.11ax hew20
Middle Channel

Date: 18.MAY.2023 23:35:20

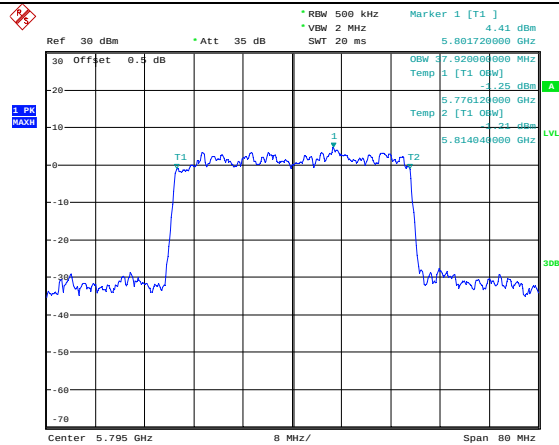
802.11ax hew20
Highest Channel

Date: 18.MAY.2023 23:36:28

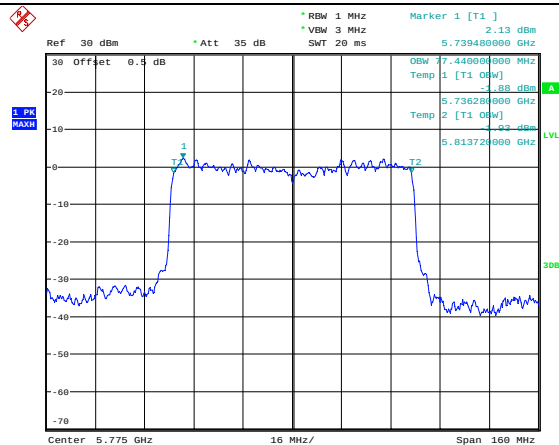
99% Emission Bandwidth

802.11ax hew40
Lowest Channel

Date: 18.MAY.2023 23:39:04

802.11ax hew40
Highest Channel

Date: 18.MAY.2023 23:40:54

802.11ax hew80
Middle Channel

Date: 18.MAY.2023 23:42:16

4.4 Maximum Conducted Output Power:

Serial Number:	22ID_3	Test Date:	2023/05/09-2023/07/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.5~24.9	Relative Humidity: (%)	45~62	ATM Pressure: (kPa)	99.7~100.9
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Agilent	USB Wideband Power Sensor	U2021XA	MY54080015	2022/07/15	2023/07/14

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power (dBm)			
		Chain 0	Chain 1	Total	Limit
802.11a	5180	14.10	13.98	/	24
	5200	14.11	13.97	/	24
	5240	14.10	13.82	/	24
802.11n ht20	5180	12.09	12.04	15.08	24
	5200	12.03	11.88	14.97	24
	5240	11.97	11.82	14.91	24
802.11n ht40	5190	10.96	10.90	13.94	24
	5230	10.92	10.71	13.83	24
802.11ac vht80	5210	11.61	11.07	14.36	24

Note:

The device is a Client.

The antenna gain chain 0 is 3.0dBi and chain 1 is 4.1dBi.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

5250-5350 MHz:

Test Modes	Test Frequency(MHz)	Max. Conducted Average Output Power(dBm)			
		Chain 0	Chain 1	Total	Limit
802.11a	5260	14.89	14.91	/	23.76
	5280	15.04	15.06	/	23.78
	5320	15.10	15.28	/	23.74
802.11n ht20	5260	13.92	14.04	16.99	23.94
	5280	14.13	14.15	17.15	23.96
	5320	14.12	14.29	17.22	23.96
802.11n ht40	5270	12.91	13.07	16.00	24
	5310	13.06	13.19	16.14	24
802.11ac vht80	5290	11.39	11.57	14.49	24

Note:

The device is a Client.

The antenna gain chain 0 is 2.9dBi and chain 1 is 3.8dBi.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power (dBm)			
		Chain 0	Chain 1	Total	Limit
802.11a	5500	13.56	13.72	/	23.76
	5580	14.60	14.76	/	23.76
	5700	13.76	13.40	/	23.76
	5720	13.72	13.44	/	23.80
802.11n ht20	5500	11.48	11.31	14.41	23.96
	5580	12.44	12.60	15.53	23.96
	5700	11.75	11.13	14.46	23.96
	5720	11.65	11.21	14.45	23.96
802.11n ht40	5510	10.31	10.49	13.41	24
	5550	10.84	10.80	13.83	24
	5670	10.75	10.31	13.55	24
	5710	10.61	10.40	13.52	24
802.11ac vht80	5530	10.34	10.28	13.32	24
	5610	10.21	10.56	13.40	24
	5690	10.06	9.84	12.96	24

Note:

The device is a Client.

The antenna gain chain 0 is 3.8dBi and chain 1 is 3.7dBi.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power (dBm)			
		Chain 0	Chain 1	Total	Limit
802.11a	5745	13.39	13.29	/	30
	5785	13.87	13.43	/	30
	5825	15.18	13.85	/	30
802.11n ht20	5745	12.58	12.40	15.50	30
	5785	13.09	12.66	15.89	30
	5825	14.29	13.12	16.75	30
802.11n ht40	5755	10.29	10.05	13.18	30
	5795	10.73	10.21	13.49	30
802.11ac vht80	5775	9.94	9.25	12.62	30

Note:

The device is a Client.

The antenna gain chain 0 is 3.2dBi and chain 1 is 3.9dBi.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

RU-AX

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power			
			(dBm)			
			Chain 0	Chain 1	Total	Limit
802.11ax hew20	5180	26/0	8.99	9.41	12.22	24
		52/37	9.48	9.25	12.38	24
		106/53	9.11	9.38	12.26	24
		242/61	9.79	9.07	12.46	24
	5200	26/0	9.74	9.72	12.74	24
		52/37	9.34	9.7	12.53	24
		106/53	9.83	9.13	12.50	24
		242/61	9.97	9.62	12.81	24
	5240	26/8	9.84	9.79	12.83	24
		52/40	9.45	9.27	12.37	24
		106/54	9.97	9.73	12.86	24
		242/61	9.1	9.21	12.17	24
802.11ax hew40	5190	26/0	9.54	9.58	12.57	24
		52/37	9.27	9.27	12.28	24
		106/53	9.6	9.05	12.34	24
		242/61	9.09	9.34	12.23	24
		484/65	9.34	9.01	12.19	24
	5230	26/17	9.96	9.52	12.76	24
		52/44	9.12	9.37	12.26	24
		106/56	9.95	9.76	12.87	24
802.11ax hew80	5210	242/62	9.37	9.73	12.56	24
		484/65	9.38	9.92	12.67	24
		26/0	9.31	9.24	12.29	24
		52/37	9.56	9.49	12.54	24
		106/53	9.1	9.85	12.50	24
		242/61	9.63	9.19	12.43	24
		484/65	9.64	9.36	12.51	24
		996/67	9.92	9.51	12.73	24

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power			
			(dBm)			
			Chain 0	Chain 1	Total	Limit
802.11ax hew20	5260	26/0	9.01	8.91	11.97	24
		52/37	8.83	8.93	11.89	24
		106/53	8.97	9.11	12.05	24
		242/61	9.09	9.16	12.14	24
	5280	26/0	9.10	9.00	12.06	24
		52/37	9.02	9.13	12.09	24
		106/53	8.88	9.04	11.97	24
		242/61	9.11	9.29	12.21	24
	5320	26/8	8.81	8.93	11.88	24
		52/40	8.88	8.95	11.93	24
		106/54	8.80	9.04	11.93	24
		242/61	9.10	9.14	12.13	24
802.11ax hew40	5270	26/0	9.31	9.36	12.35	24
		52/37	9.36	9.61	12.50	24
		106/53	9.30	9.37	12.35	24
		242/61	9.50	9.49	12.51	24
		484/65	9.55	9.65	12.61	24
	5310	26/17	9.43	9.48	12.47	24
		52/44	9.27	9.53	12.41	24
		106/56	9.27	9.28	12.29	24
		242/62	9.52	9.25	12.40	24
		484/65	9.54	9.55	12.56	24
802.11ax hew80	5290	26/0	9.14	9.43	12.30	24
		52/37	9.25	9.24	12.26	24
		106/53	9.21	9.41	12.32	24
		242/61	9.19	9.33	12.27	24
		484/65	9.21	9.30	12.27	24
		996/67	9.32	9.48	12.41	24

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power			
			(dBm)			
			Chain 0	Chain 1	Total	Limit
802.11ax hew20	5500	26/0	8.91	9.24	12.09	24
		52/37	8.77	8.98	11.89	24
		106/53	8.89	9.22	12.07	24
		242/61	9.06	9.27	12.18	24
	5580	26/0	8.06	7.84	10.96	24
		52/37	7.80	7.97	10.90	24
		106/53	7.97	7.88	10.94	24
		242/61	8.08	8.10	11.10	24
	5700	26/8	7.51	7.83	10.68	24
		52/40	7.49	7.72	10.62	24
		106/54	7.68	7.60	10.65	24
		242/61	7.70	7.86	10.79	24
	5720	26/8	7.75	7.77	10.77	24
		52/40	7.70	7.94	10.83	24
		106/54	7.89	7.79	10.85	24
		242/61	7.91	7.99	10.96	24
802.11ax hew40	5510	26/0	9.47	9.57	12.53	24
		52/37	9.46	9.38	12.43	24
		106/53	9.34	9.46	12.41	24
		242/61	9.47	9.61	12.55	24
		484/65	9.55	9.63	12.60	24
	5550	26/0	9.13	9.14	12.15	24
		52/37	9.06	9.30	12.19	24
		106/53	9.07	9.37	12.23	24
		242/61	9.12	9.24	12.19	24
		484/65	9.25	9.39	12.33	24
	5670	26/17	7.53	7.80	10.68	24
		52/44	7.62	7.77	10.71	24
		106/56	7.61	7.98	10.81	24
		242/62	7.59	7.96	10.79	24
		484/65	7.75	8.04	10.91	24
	5710	26/17	8.10	8.59	11.36	24
		52/44	8.25	8.32	11.30	24
		106/56	8.16	8.49	11.34	24
		242/62	8.17	8.40	11.30	24
		484/65	8.37	8.59	11.49	24
802.11ax hew80	5530	26/0	9.17	9.27	12.23	24
		52/37	9.00	9.37	12.20	24
		106/53	9.25	9.51	12.39	24
		242/61	9.06	9.35	12.22	24
		484/65	9.13	9.36	12.26	24

		996/67	9.28	9.53	12.42	24
	5610	26/0	8.15	8.26	11.22	24
		52/37	7.99	8.04	11.03	24
		106/53	8.01	8.04	11.04	24
		242/61	8.21	8.01	11.12	24
		484/65	8.19	8.06	11.14	24
		996/67	8.28	8.28	11.29	24
	5690	26/36	7.46	7.73	10.61	24
		52/52	7.62	7.57	10.61	24
		106/60	7.74	7.54	10.65	24
		242/64	7.65	7.59	10.63	24
		484/66	7.53	7.65	10.60	24
		996/67	7.75	7.78	10.78	24

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power			
			(dBm)			
			Chain 0	Chain 1	Total	Limit
802.11ax hew20	5745	26/0	10.82	11.12	13.98	30
		52/37	11.02	11.22	14.13	30
		106/53	10.98	11.28	14.14	30
		242/61	11.08	11.32	14.21	30
	5785	26/0	12.23	11.84	15.05	30
		52/37	12.24	11.75	15.01	30
		106/53	12.24	11.85	15.06	30
		242/61	12.53	12.03	15.30	30
	5825	26/8	14.12	13.23	16.71	30
		52/40	13.99	13.40	16.72	30
		106/54	14.13	13.37	16.78	30
		242/61	14.15	13.41	16.81	30
802.11ax hew40	5755	26/0	10.34	10.03	13.20	30
		52/37	10.42	10.11	13.28	30
		106/53	10.29	10.11	13.21	30
		242/61	10.42	10.28	13.36	30
		484/65	10.55	10.32	13.45	30
	5795	26/17	12.13	11.64	14.90	30
		52/44	11.94	11.61	14.79	30
		106/56	11.93	11.65	14.80	30
		242/62	12.08	11.62	14.87	30
		484/65	12.22	11.85	15.05	30
802.11ax hew80	5775	26/0	9.58	9.08	12.35	30
		52/37	9.50	9.15	12.34	30
		106/53	9.48	9.08	12.29	30
		242/61	9.61	8.98	12.32	30
		484/65	9.75	9.13	12.46	30
		996/67	9.75	9.16	12.48	30

4.5 Maximum power spectral density:

Serial Number:	22ID_3	Test Date:	2023/05/09-2023/07/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.5~24.9	Relative Humidity: (%)	45~62	ATM Pressure: (kPa)	99.7~100.9
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)			
		Chain 0	Chain 1	Total	Limit
802.11a	5180	3.01	2.93	/	11
	5200	3.05	2.91	/	11
	5240	3.00	2.73	/	11
802.11n ht20	5180	0.68	0.66	3.68	9.9
	5200	0.65	0.52	3.60	9.9
	5240	0.59	0.48	3.55	9.9
802.11n ht40	5190	-3.33	-3.38	-0.34	9.9
	5230	-3.44	-3.61	-0.51	9.9
802.11ac vht80	5210	-4.75	-5.25	-1.98	9.9

Note:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{SS}})$ dBDirectional gain = $G_{\text{ANT}} + \text{Array Gain} = 4.1 + 10 \log(2/1) = 7.1$ dBi

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)			
		Chain 0	Chain 1	Total	Limit
802.11a	5260	3.72	3.78	/	11
	5280	3.85	3.92	/	11
	5320	3.87	4.08	/	11
802.11n ht20	5260	2.36	2.49	5.44	10.2
	5280	2.65	2.69	5.68	10.2
	5320	2.61	2.81	5.72	10.2
802.11n ht40	5270	-1.56	-1.39	1.54	10.2
	5310	-1.42	-1.25	1.68	10.2
802.11ac vht80	5290	-5.10	-4.89	-1.98	10.2

Note:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{SS}})$ dBDirectional gain = $G_{\text{ANT}} + \text{Array Gain} = 3.8 + 10 \log(2/1) = 6.8$ dBi

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)			
		Chain 0	Chain 1	Total	Limit
802.11a	5500	2.53	2.72	/	11
	5580	3.52	3.69	/	11
	5700	2.60	2.27	/	11
	5720	2.53	2.27	/	11
802.11n ht20	5500	0.13	0.00	3.08	10.2
	5580	1.02	1.23	4.14	10.2
	5700	0.26	-0.31	2.99	10.2
	5720	0.13	-0.28	2.94	10.2
802.11n ht40	5510	-4.10	-3.91	-0.99	10.2
	5550	-3.65	-3.66	-0.64	10.2
	5670	-3.62	-4.03	-0.81	10.2
	5710	-3.89	-4.06	-0.96	10.2
802.11ac vht80	5530	-5.66	-5.68	-2.66	10.2
	5610	-5.99	-5.63	-2.80	10.2
	5690	-6.78	-6.98	-3.87	10.2

Note:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{SS}})$ dBDirectional gain = $G_{\text{ANT}} + \text{Array Gain} = 3.8 + 10 * \log(2/1) = 6.8$ dBi

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/500kHz)			
		Chain 0	Chain 1	Total	Limit
802.11a	5745	-0.70	-0.76	/	30
	5785	-0.31	-0.75	/	30
	5825	1.05	-0.28	/	30
802.11n ht20	5745	-1.78	-1.91	1.17	29.1
	5785	-1.36	-1.76	1.45	29.1
	5825	-0.16	-1.29	2.32	29.1
802.11n ht40	5755	-6.87	-7.07	-3.96	29.1
	5795	-6.58	-7.06	-3.80	29.1
802.11ac vht80	5775	-8.70	-9.34	-6.00	29.1

Note:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{SS}})$ dBDirectional gain = $G_{\text{ANT}} + \text{Array Gain} = 3.9 + 10 \cdot \log(2/1) = 6.9$ dBi

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Maximum Power Spectral Density			
			(dBm/MHz)			
			Chain 0	Chain 1	Total	Limit
802.11ax hew20	5180	26/0	5.78	6.42	9.12	9.9
		52/37	1.27	1.57	4.43	9.9
		106/53	-2.96	-2.80	0.13	9.9
		242/61	-7.62	-7.98	-4.79	9.9
	5200	26/0	6.42	6.26	9.35	9.9
		52/37	1.64	1.94	4.80	9.9
		106/53	-2.91	-1.90	0.63	9.9
		242/61	-7.49	-6.72	-4.08	9.9
	5240	26/8	5.56	5.98	8.79	9.9
		52/40	2.18	1.57	4.90	9.9
		106/54	-2.17	-2.10	0.88	9.9
		242/61	-7.58	-7.64	-4.60	9.9
802.11ax hew40	5190	26/0	5.63	6.02	8.84	9.9
		52/37	1.44	2.29	4.90	9.9
		106/53	-2.91	-1.27	1.00	9.9
		242/61	-7.83	-8.01	-4.91	9.9
		484/65	-11.17	-11.11	-8.13	9.9
	5230	26/17	6.08	5.74	8.92	9.9
		52/44	1.77	2.13	4.96	9.9
		106/56	-3.54	-2.36	0.10	9.9
		242/62	-7.26	-7.70	-4.46	9.9
		484/65	-11.70	-11.33	-8.50	9.9
802.11ax hew80	5210	26/0	6.18	6.02	9.11	9.9
		52/37	1.66	1.47	4.58	9.9
		106/53	-2.68	-3.15	0.10	9.9
		242/61	-7.70	-8.35	-5.00	9.9
		484/65	-11.06	-12.46	-8.69	9.9
		996/67	-14.15	-13.84	-10.98	9.9

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Maximum Power Spectral Density			
			(dBm/MHz)			
			Chain 0	Chain 1	Total	Limit
802.11ax hew20	5260	26/0	6.50	6.56	9.54	10.2
		52/37	3.66	3.79	6.74	10.2
		106/53	0.71	0.93	3.83	10.2
		242/61	-2.48	-2.23	0.66	10.2
	5280	26/0	6.40	6.60	9.51	10.2
		52/37	3.71	3.87	6.80	10.2
		106/53	0.92	0.97	3.96	10.2
		242/61	-2.31	-2.12	0.80	10.2
	5320	26/8	6.25	6.51	9.39	10.2
		52/40	3.59	3.95	6.78	10.2
		106/54	0.84	1.04	3.95	10.2
		242/61	-2.50	-2.14	0.69	10.2
802.11ax hew40	5270	26/0	6.73	6.78	9.77	10.2
		52/37	3.79	3.87	6.84	10.2
		106/53	0.90	0.96	3.94	10.2
		242/61	-2.89	-2.72	0.21	10.2
		484/65	-4.81	-4.76	-1.77	10.2
	5310	26/17	6.66	6.81	9.75	10.2
		52/44	3.70	3.94	6.83	10.2
		106/56	0.75	0.98	3.88	10.2
		242/62	-2.55	-2.39	0.54	10.2
		484/65	-4.96	-4.55	-1.74	10.2
802.11ax hew80	5290	26/0	6.41	6.73	9.58	10.2
		52/37	3.61	3.85	6.74	10.2
		106/53	0.58	0.89	3.75	10.2
		242/61	-3.14	-2.92	-0.02	10.2
		484/65	-5.69	-5.29	-2.48	10.2
		996/67	-7.56	-7.54	-4.54	10.2

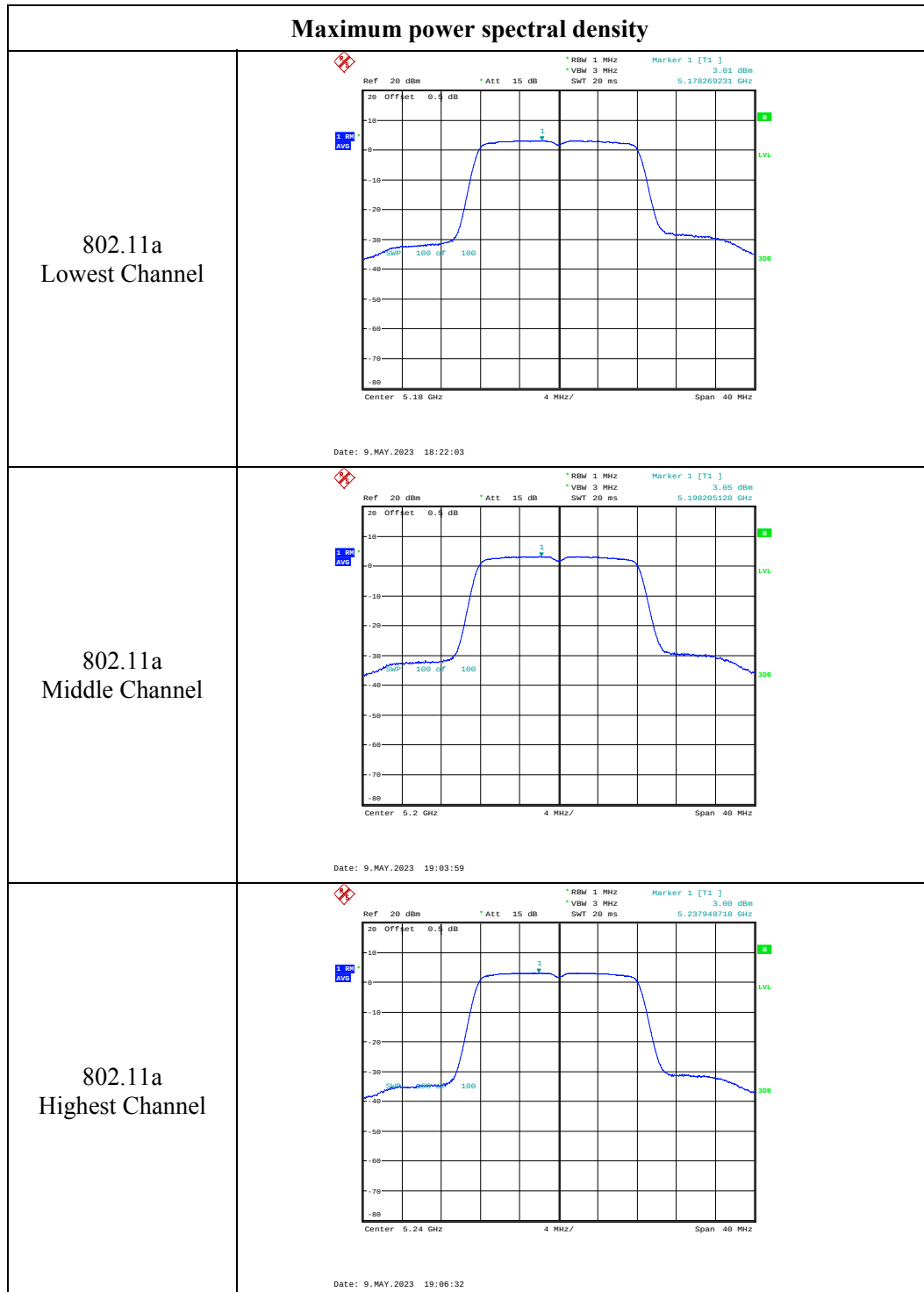
5470-5725 MHz:

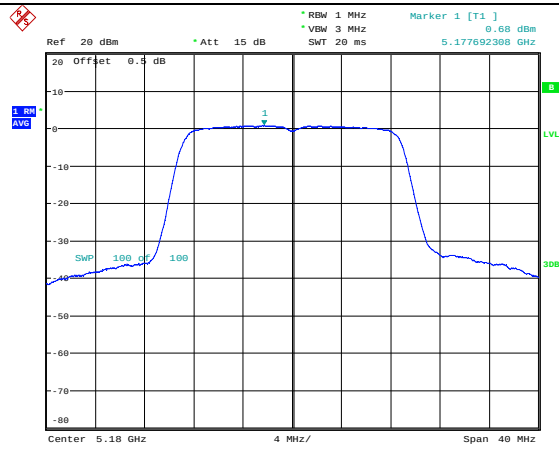
Test Modes	Test Frequency (MHz)	RU Config.	Maximum Power Spectral Density			
			(dBm/MHz)			
			Chain 0	Chain 1	Total	Limit
802.11ax hew20	5500	26/0	6.40	6.21	9.32	10.2
		52/37	3.69	3.67	6.69	10.2
		106/53	0.83	0.68	3.77	10.2
		242/61	-2.43	-2.43	0.58	10.2
	5580	26/0	5.87	6.01	8.95	10.2
		52/37	3.16	3.28	6.23	10.2
		106/53	0.22	0.37	3.31	10.2
		242/61	-3.04	-2.75	0.12	10.2
	5700	26/8	4.91	4.49	7.72	10.2
		52/40	2.34	1.77	5.07	10.2
		106/54	-0.43	-1.11	2.25	10.2
		242/61	-3.89	-4.35	-1.10	10.2
	5720	26/8	5.22	4.49	7.88	10.2
		52/40	2.66	1.94	5.33	10.2
		106/54	-0.30	-0.87	2.43	10.2
		242/61	-3.76	-4.24	-0.98	10.2
802.11ax hew40	5510	26/0	6.70	6.30	9.51	10.2
		52/37	3.79	3.60	6.71	10.2
		106/53	0.95	0.80	3.89	10.2
		242/61	-2.78	-2.89	0.18	10.2
		484/65	-4.56	-4.96	-1.75	10.2
	5550	26/0	6.71	6.46	9.60	10.2
		52/37	3.88	3.56	6.73	10.2
		106/53	1.15	0.60	3.89	10.2
		242/61	-3.03	-3.26	-0.13	10.2
		484/65	-4.89	-5.11	-1.99	10.2
	5670	26/17	5.08	4.41	7.77	10.2
		52/44	2.39	1.54	5.00	10.2
		106/56	-0.55	-1.40	2.06	10.2
		242/62	-4.24	-5.03	-1.61	10.2
		484/65	-6.54	-7.31	-3.90	10.2
	5710	26/17	5.68	4.95	8.34	10.2
		52/44	2.83	2.11	5.50	10.2
		106/56	-0.16	-0.85	2.52	10.2
		242/62	-3.80	-4.40	-1.08	10.2
		484/65	-5.94	-6.78	-3.33	10.2
802.11ax hew80	5530	26/0	6.74	6.55	9.66	10.2
		52/37	3.87	3.47	6.68	10.2
		106/53	0.94	0.62	3.79	10.2

		242/61	-2.60	-3.02	0.21	10.2
		484/65	-5.30	-5.67	-2.47	10.2
		996/67	-7.60	-7.97	-4.77	10.2
	5610	26/0	5.82	6.07	8.96	10.2
		52/37	3.01	3.15	6.09	10.2
		106/53	-0.07	0.25	3.10	10.2
		242/61	-3.71	-3.70	-0.69	10.2
		484/65	-6.64	-6.47	-3.54	10.2
		996/67	-8.60	-8.75	-5.66	10.2
	5690	26/36	5.33	4.80	8.08	10.2
		52/52	2.75	2.02	5.41	10.2
		106/60	-0.21	-1.04	2.41	10.2
		242/64	-4.36	-4.73	-1.53	10.2
		484/66	-6.99	-7.39	-4.18	10.2
		996/67	-9.07	-9.60	-6.32	10.2

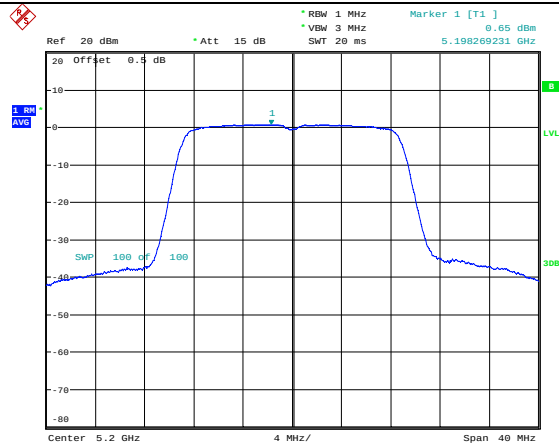
5725-5850 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Maximum Power Spectral Density			
			(dBm/500kHz)			
			Chain 0	Chain 1	Total	Limit
802.11ax hew20	5745	26/0	5.67	5.80	8.75	29.1
		52/37	2.73	3.02	5.89	29.1
		106/53	-0.26	0.00	2.88	29.1
		242/61	-3.22	-2.85	-0.02	29.1
	5785	26/0	7.40	7.03	10.23	29.1
		52/37	4.63	4.05	7.36	29.1
		106/53	1.71	1.11	4.43	29.1
		242/61	-1.05	-1.66	1.67	29.1
	5825	26/8	9.19	8.25	11.76	29.1
		52/40	6.56	5.42	9.04	29.1
		106/54	3.30	2.31	5.84	29.1
		242/61	0.35	-0.48	2.97	29.1
802.11ax hew40	5755	26/0	5.12	4.64	7.90	29.1
		52/37	1.75	1.47	4.62	29.1
		106/53	-0.74	-1.18	2.06	29.1
		242/61	-4.50	-4.77	-1.62	29.1
		484/65	-6.13	-6.39	-3.25	29.1
	5795	26/17	7.04	6.65	9.86	29.1
		52/44	4.23	3.53	6.90	29.1
		106/56	1.24	0.65	3.97	29.1
		242/62	-2.47	-3.06	0.26	29.1
		484/65	-4.22	-4.97	-1.57	29.1
802.11ax hew80	5775	26/0	4.20	3.67	6.95	29.1
		52/37	1.03	0.46	3.76	29.1
		106/53	-1.80	-2.41	0.92	29.1
		242/61	-5.35	-5.79	-2.55	29.1
		484/65	-7.68	-8.31	-4.97	29.1
		996/67	-9.07	-9.72	-6.37	29.1

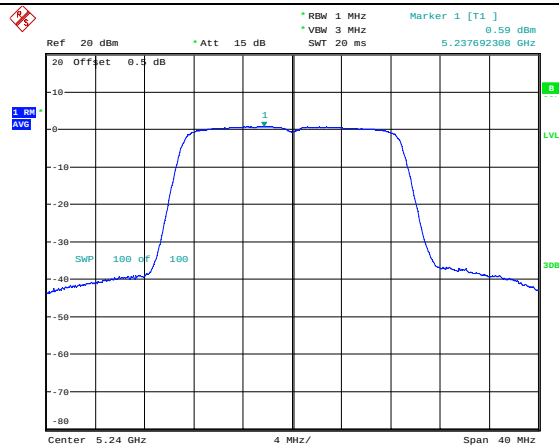
Chain 0:
5150-5250MHz:

Maximum power spectral density802.11n ht20
Lowest Channel

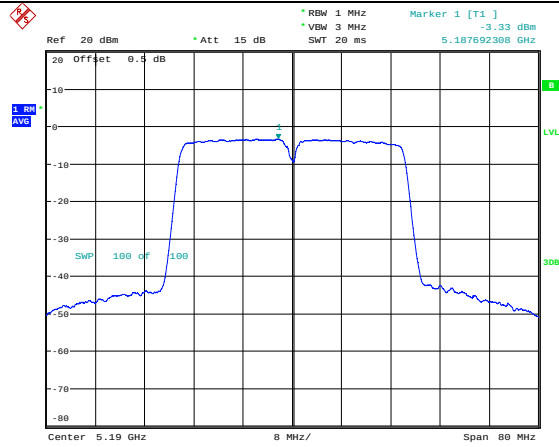
Date: 9.MAY.2023 19:09:18

802.11n ht20
Middle Channel

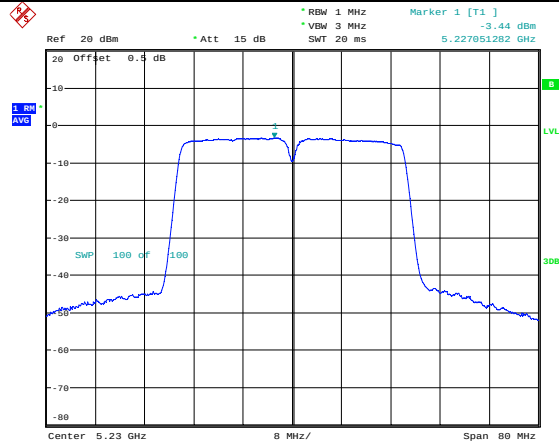
Date: 9.MAY.2023 19:11:35

802.11n ht20
Highest Channel

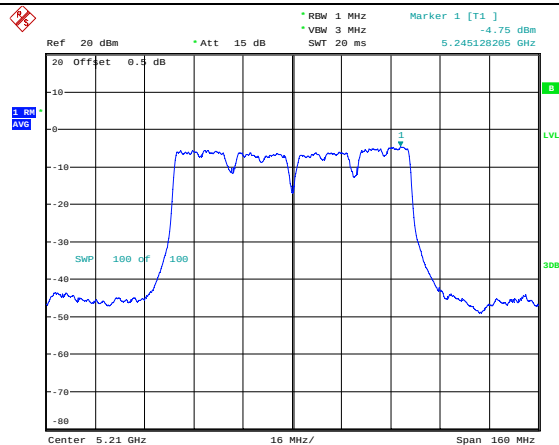
Date: 9.MAY.2023 19:13:45

Maximum power spectral density802.11n ht40
Lowest Channel

Date: 9.MAY.2023 19:17:44

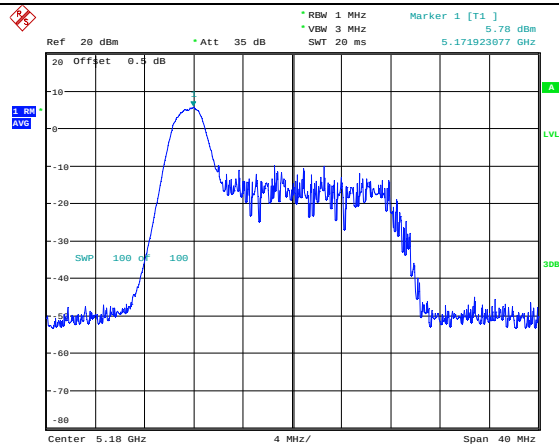
802.11n ht40
Highest Channel

Date: 9.MAY.2023 19:21:04

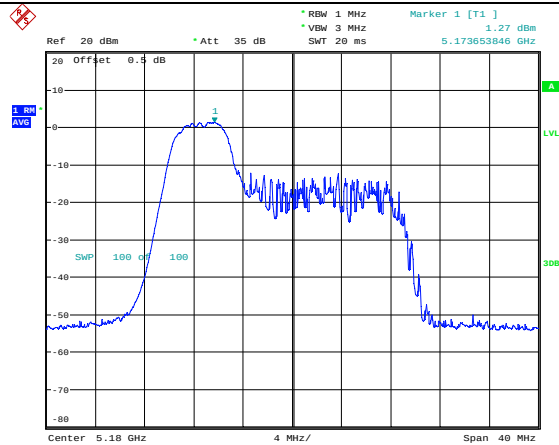
802.11ac vht80
Middle Channel

Date: 9.MAY.2023 19:23:37

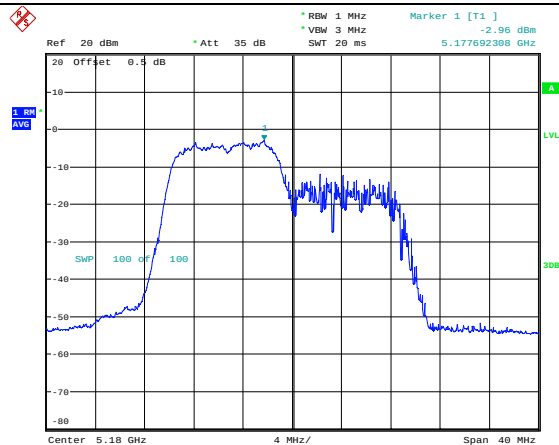
Maximum power spectral density

802.11ax hew20
Lowest Channel
(26/0)

Date: 11.JUL.2023 11:16:59

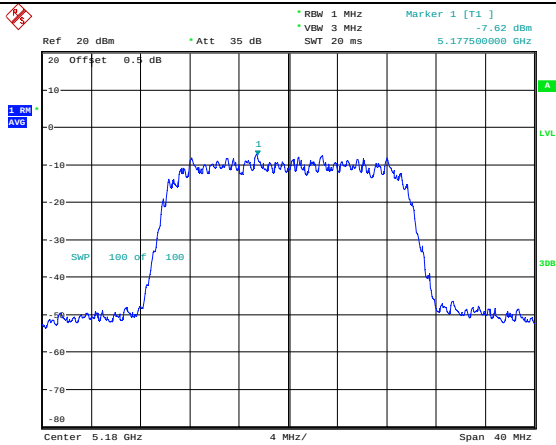
802.11ax hew20
Lowest Channel
(52/37)

Date: 11.JUL.2023 11:23:58

802.11ax hew20
Lowest Channel
(106/53)

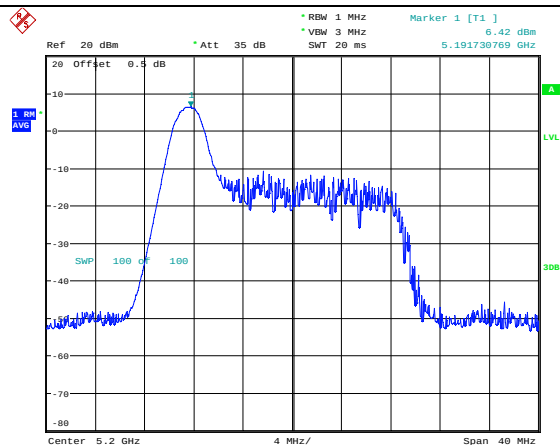
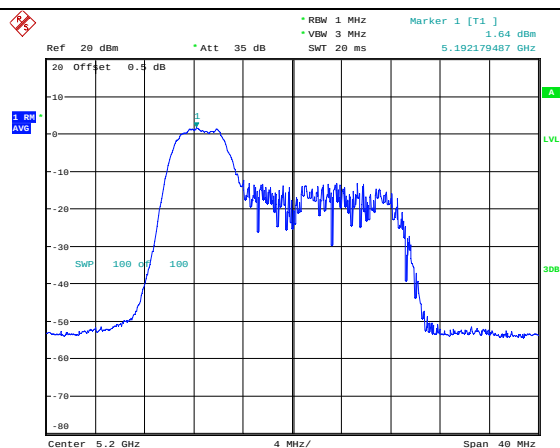
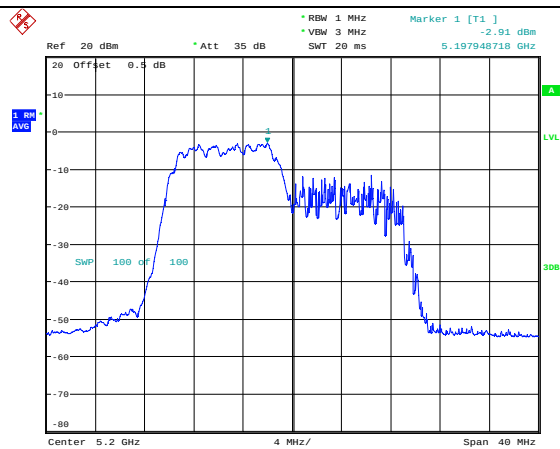
Date: 11.JUL.2023 11:25:42

802.11ax hew20
Lowest Channel
(242/61)

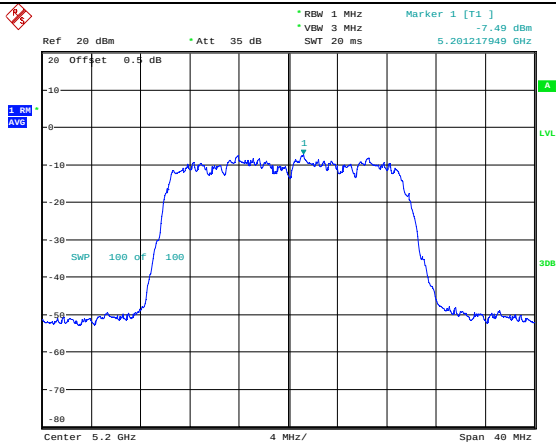


Date: 11.JUL.2023 11:32:35

Maximum power spectral density

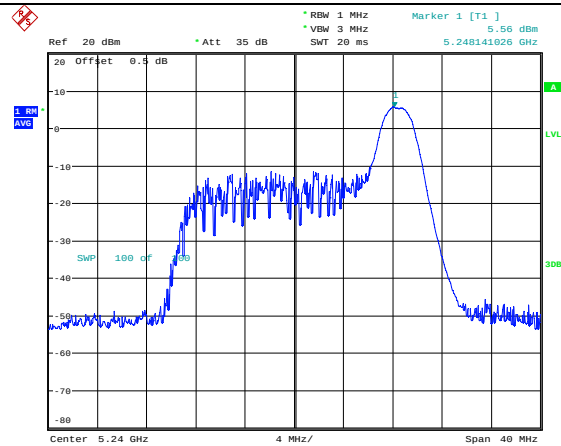
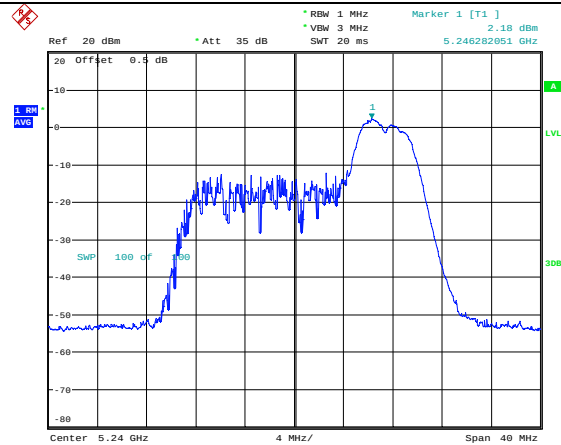
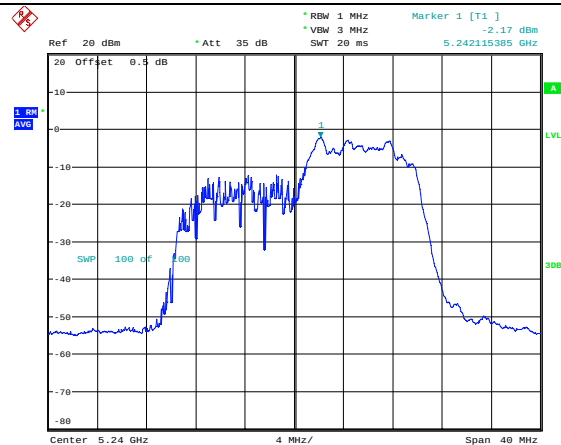
802.11ax hew20
Middle Channel
(26/0)802.11ax hew20
Middle Channel
(52/37)802.11ax hew20
Middle Channel
(106/53)

802.11ax hew20
Middle Channel
(242/61)

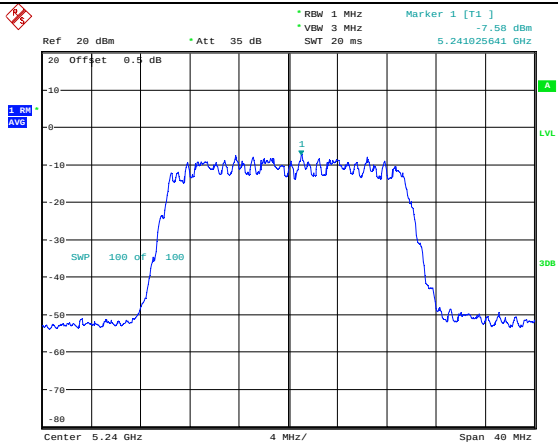


Date: 11.JUL.2023 13:00:08

Maximum power spectral density

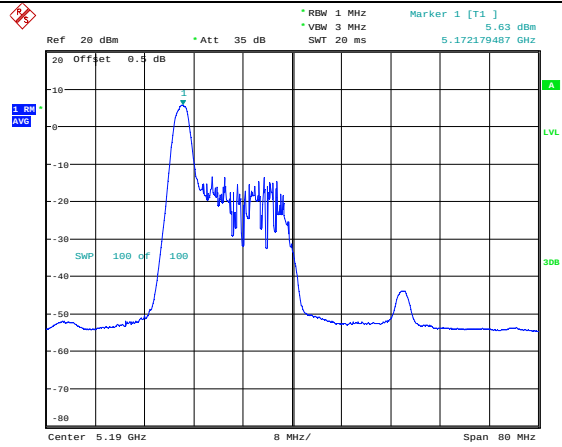
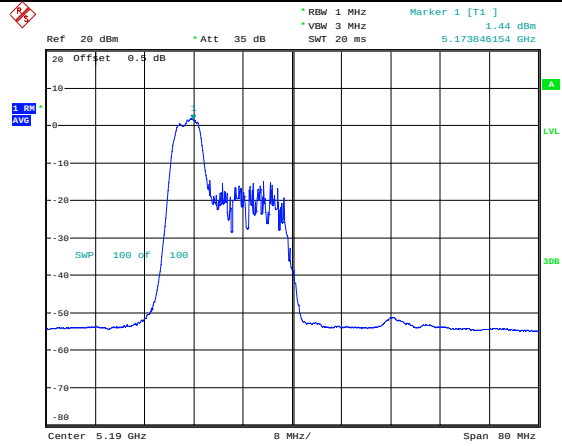
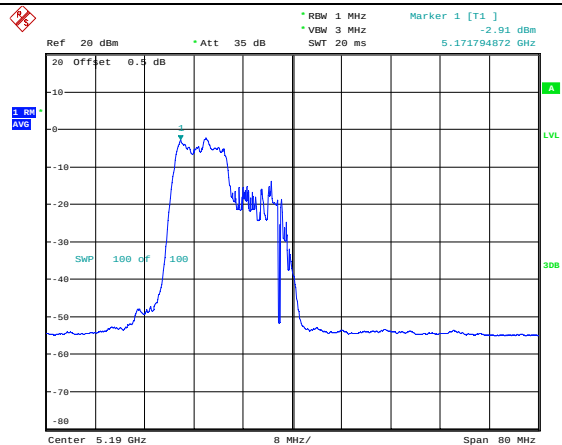
802.11ax hew20
Highest Channel
(26/8)802.11ax hew20
Highest Channel
(52/40)802.11ax hew20
Highest Channel
(106/54)

802.11ax hew20
Highest Channel
(242/61)

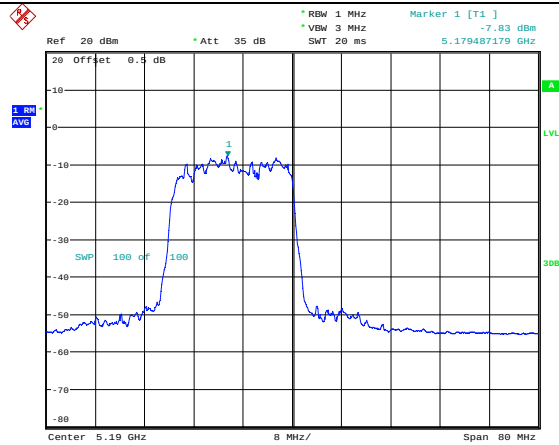


Date: 11.JUL.2023 13:26:21

Maximum power spectral density

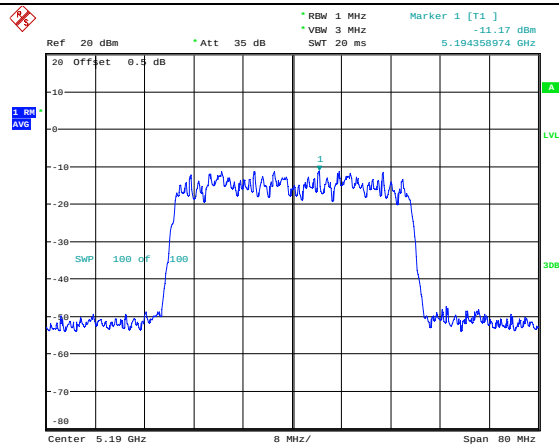
802.11ax hew40
Lowest Channel
(26/0)802.11ax hew40
Lowest Channel
(52/37)802.11ax hew40
Lowest Channel
(106/53)

802.11ax hew40
Lowest Channel
(242/61)



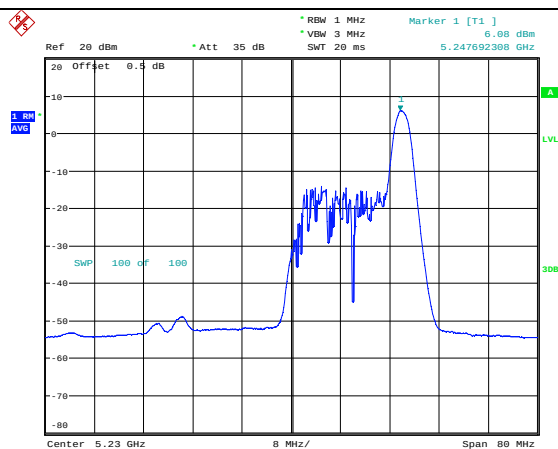
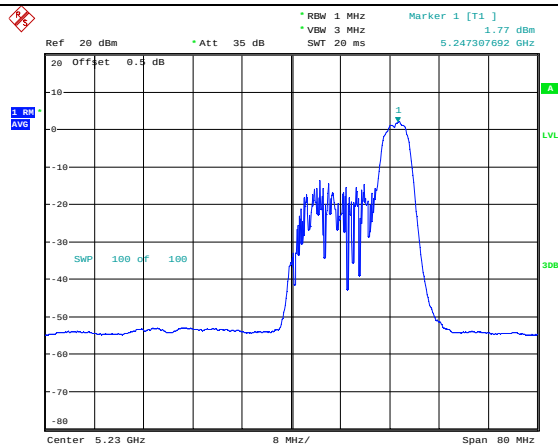
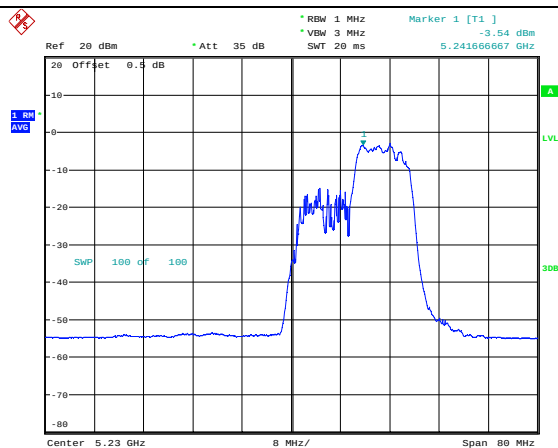
Date: 11.JUL.2023 13:44:15

802.11ax hew40
Lowest Channel
(484/65)

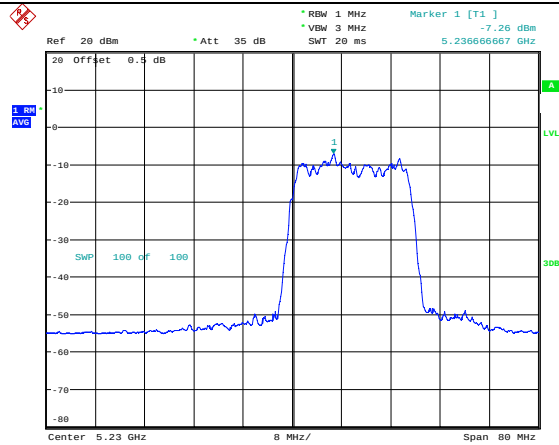


Date: 11.JUL.2023 13:46:28

Maximum power spectral density

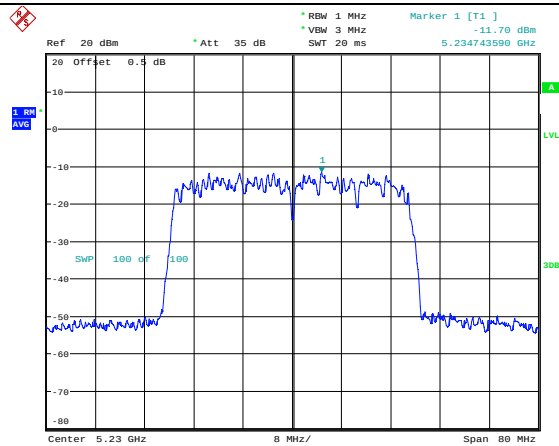
802.11ax hew40
Highest Channel
(26/17)802.11ax hew40
Highest Channel
(52/44)802.11ax hew40
Highest Channel
(106/56)

802.11ax hew40
Highest Channel
(242/62)



Date: 11.JUL.2023 14:12:04

802.11ax hew40
Highest Channel
(484/65)



Date: 11.JUL.2023 14:18:49

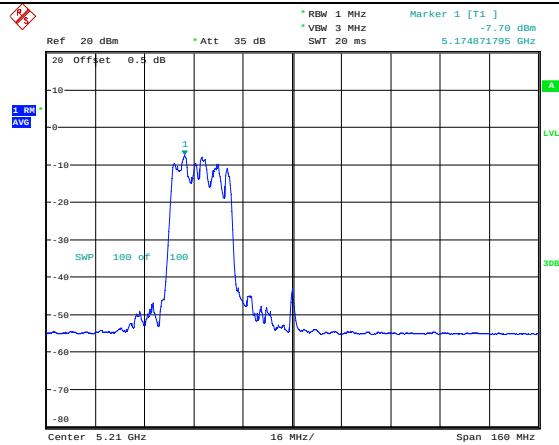
802.11ax hew80
Middle Channel
(26/0)



Date: 11.JUL.2023 14:21:17

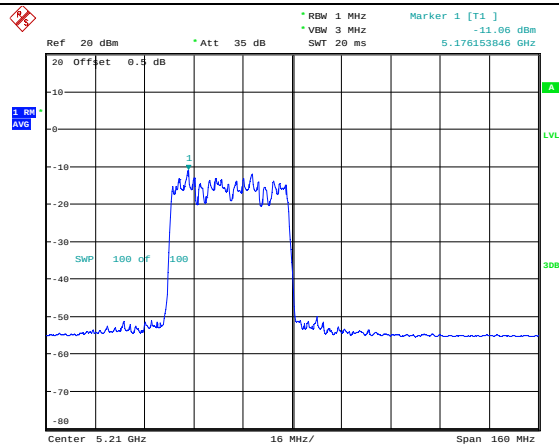
Date: 11.JUL.2023 14:22:22

802.11ax hew80
Middle Channel
(242/61)



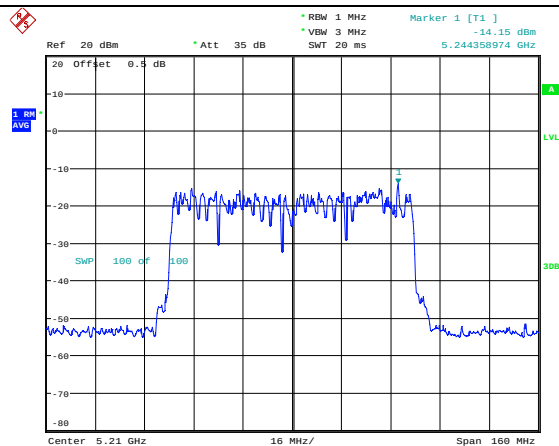
Date: 11.JUL.2023 14:23:22

802.11ax hew80
Middle Channel
(484/65)



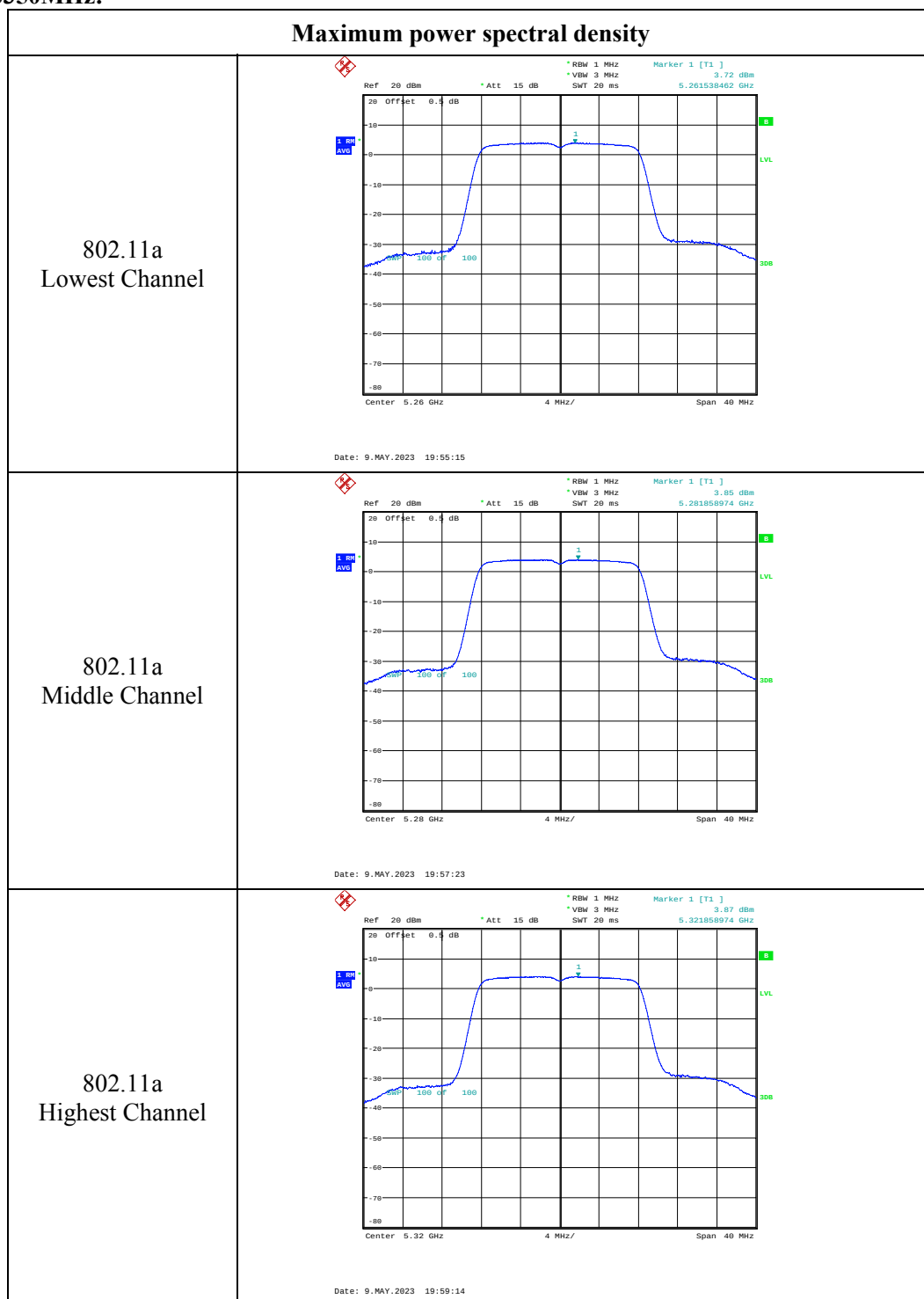
Date: 11.JUL.2023 14:24:30

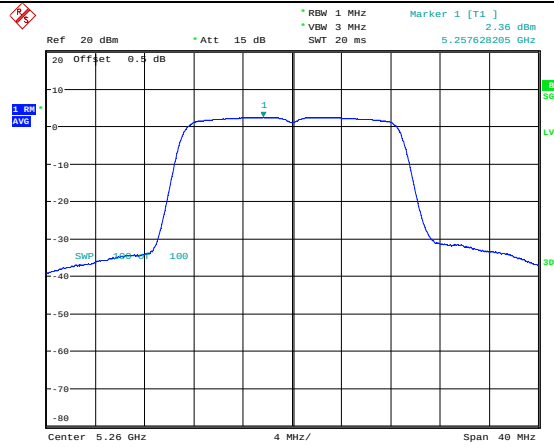
802.11ax hew80
Middle Channel
(996/67)



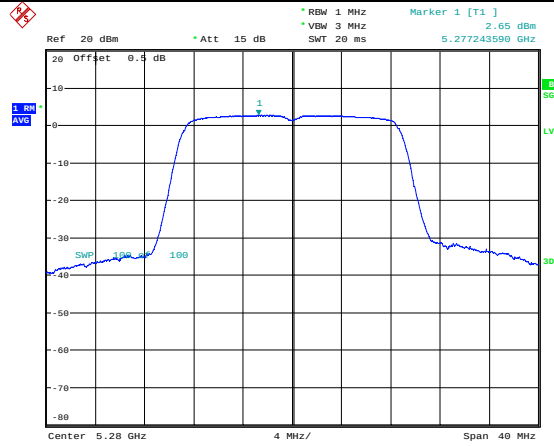
Date: 11.JUL.2023 14:25:32

5250-5350MHz:

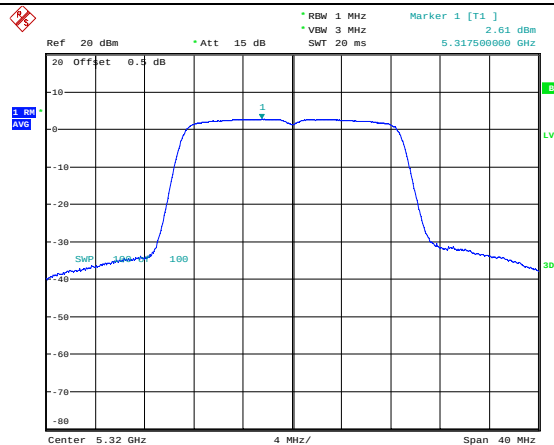


Maximum power spectral density802.11n ht20
Lowest Channel

Date: 9.MAY.2023 20:02:39

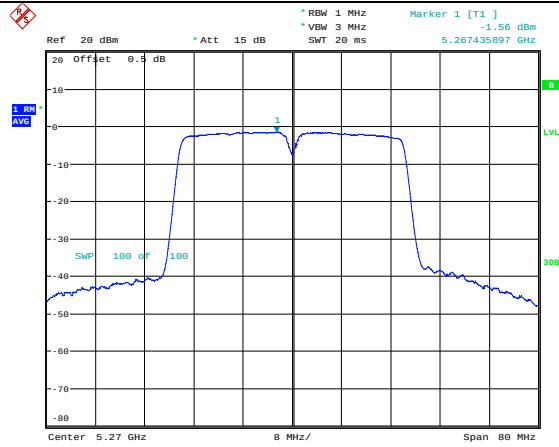
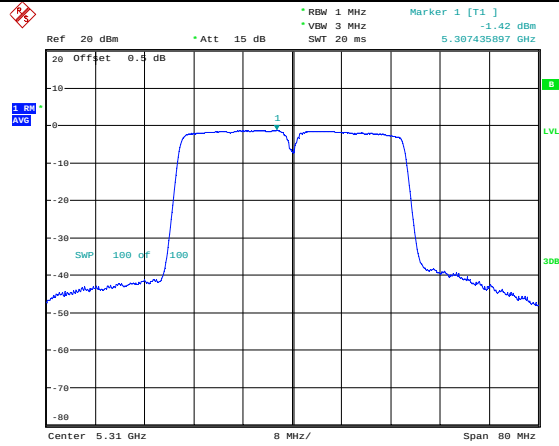
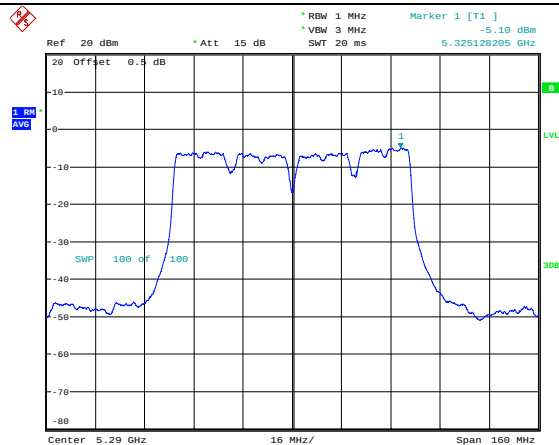
802.11n ht20
Middle Channel

Date: 9.MAY.2023 20:04:19

802.11n ht20
Highest Channel

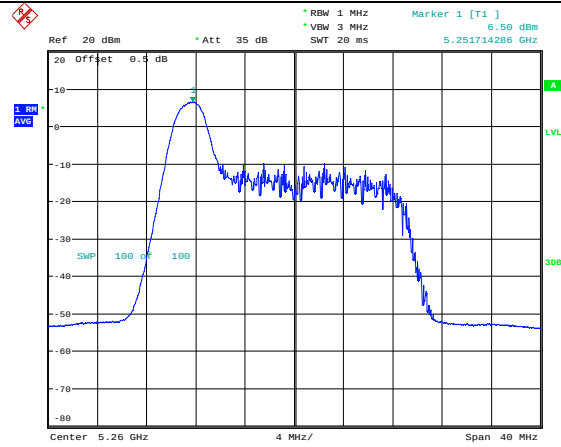
Date: 9.MAY.2023 20:06:29

Maximum power spectral density

802.11n ht40
Lowest Channel802.11n ht40
Highest Channel802.11ac vht80
Middle Channel

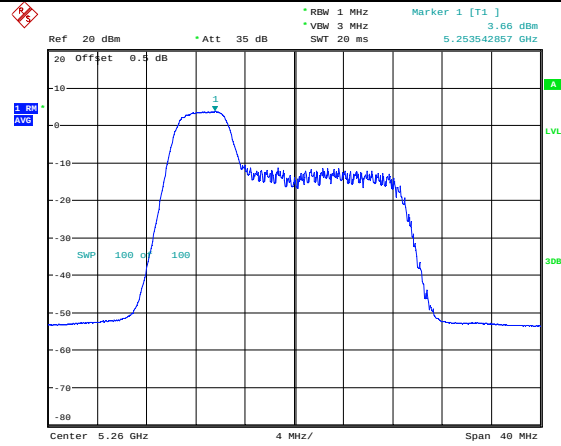
Maximum power spectral density

802.11ax hew20
Lowest Channel
(26/0)



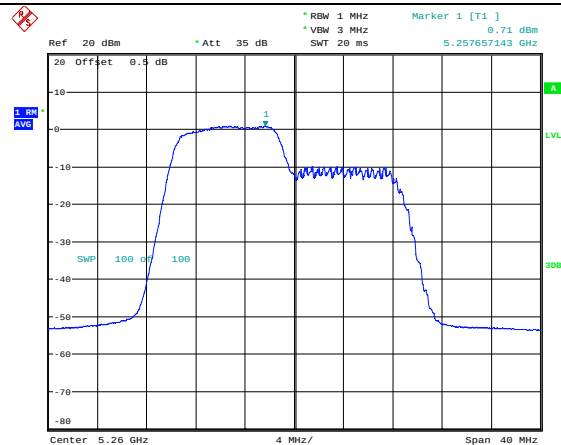
Date: 16.MAY.2023 22:17:12

802.11ax hew20
Lowest Channel
(52/37)



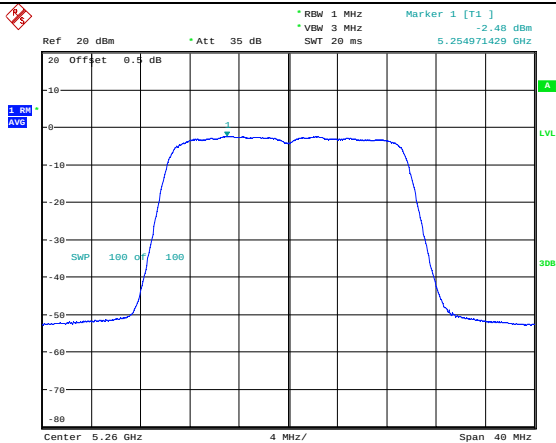
Date: 16.MAY.2023 22:18:13

802.11ax hew20
Lowest Channel
(106/53)



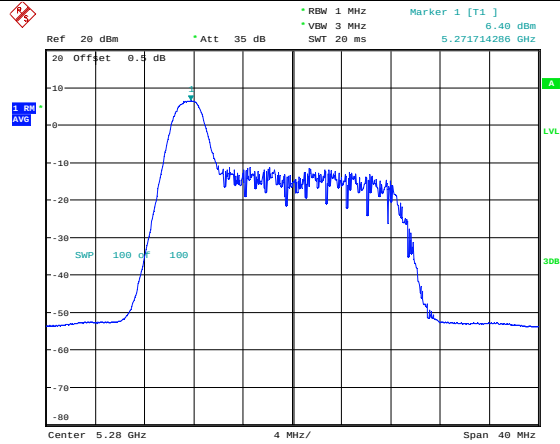
Date: 16.MAY.2023 22:19:31

802.11ax hew20
Lowest Channel
(242/61)

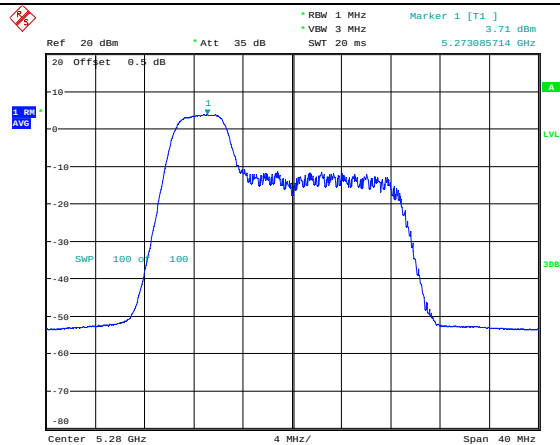


Date: 16.MAY.2023 22:21:06

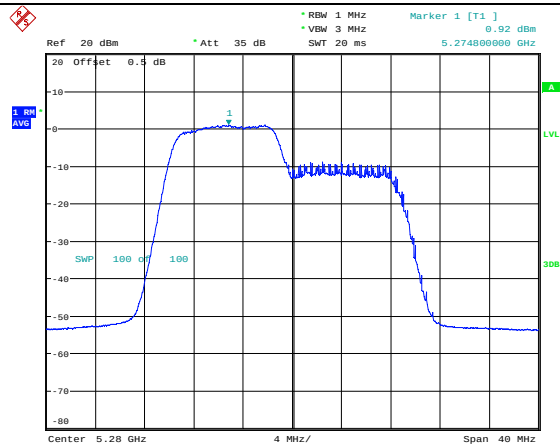
Maximum power spectral density

802.11ax hew20
Middle Channel
(26/0)

Date: 16.MAY.2023 22:23:03

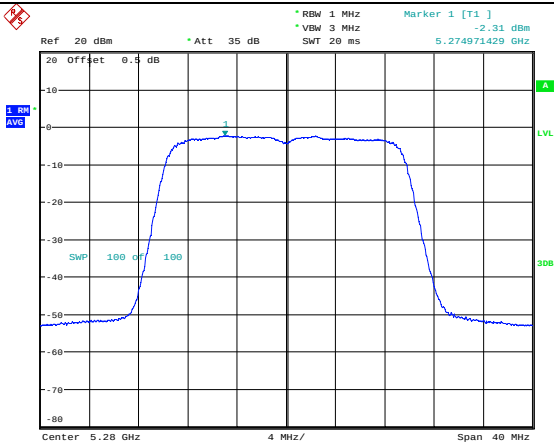
802.11ax hew20
Middle Channel
(52/37)

Date: 16.MAY.2023 22:25:36

802.11ax hew20
Middle Channel
(106/53)

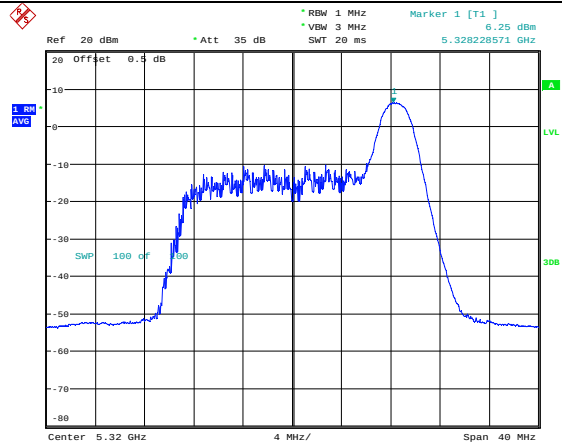
Date: 16.MAY.2023 22:26:22

802.11ax hew20
Middle Channel
(242/61)

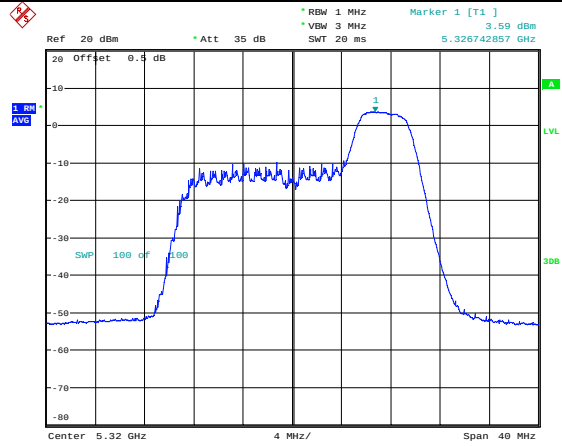


Date: 16.MAY.2023 22:27:21

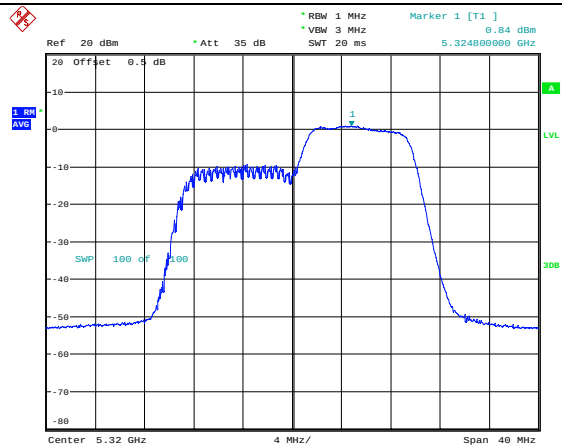
Maximum power spectral density

802.11ax hew20
Highest Channel
(26/8)

Date: 16.MAY.2023 22:28:59

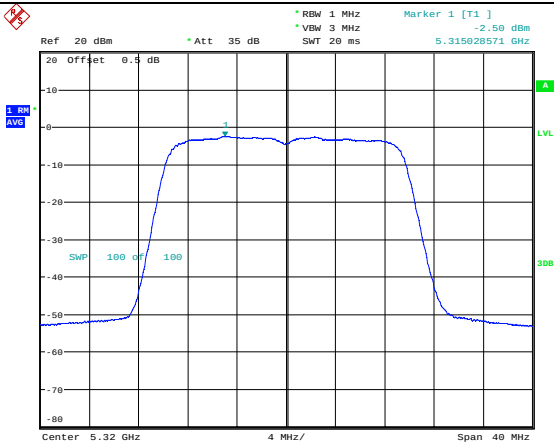
802.11ax hew20
Highest Channel
(52/40)

Date: 16.MAY.2023 22:30:13

802.11ax hew20
Highest Channel
(106/54)

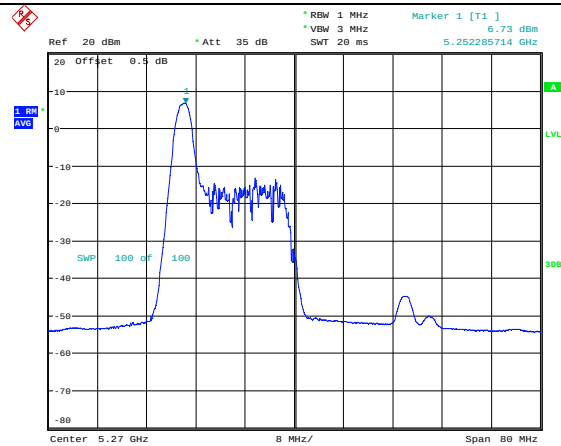
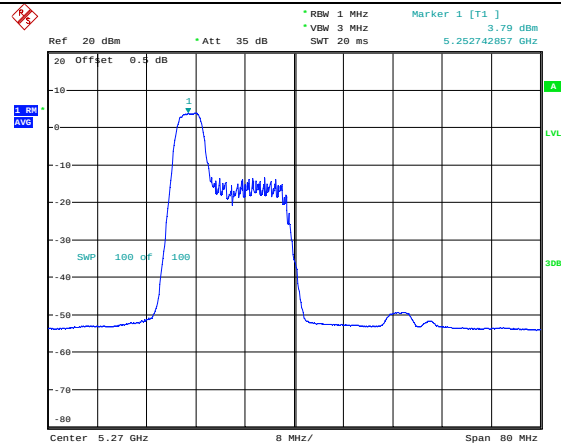
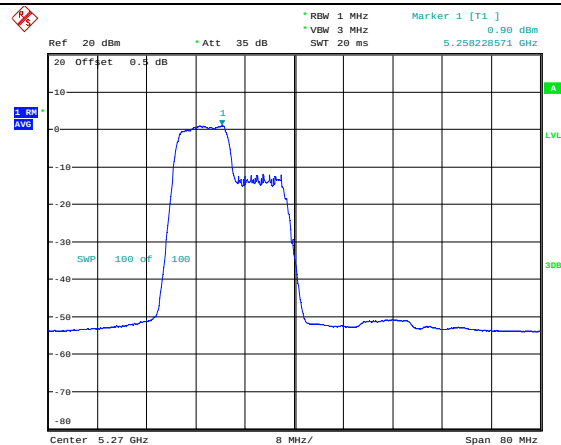
Date: 16.MAY.2023 22:31:15

802.11ax hew20
Highest Channel
(242/61)

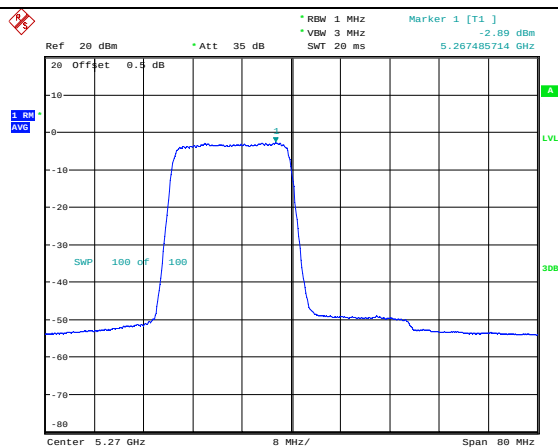


Date: 16.MAY.2023 22:32:14

Maximum power spectral density

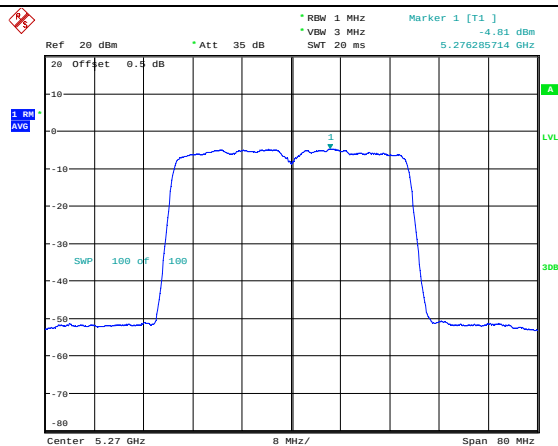
802.11ax hew40
Lowest Channel
(26/0)802.11ax hew40
Lowest Channel
(52/37)802.11ax hew40
Lowest Channel
(106/53)

802.11ax hew40
Lowest Channel
(242/61)



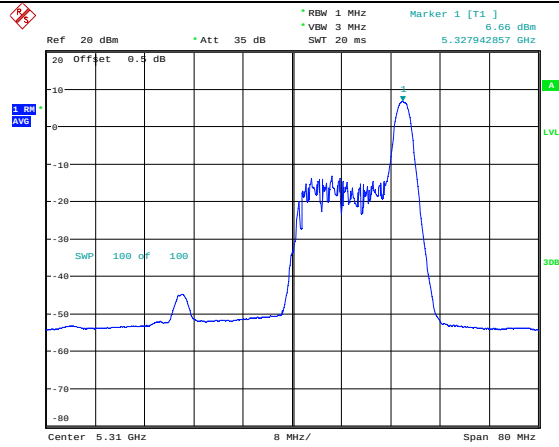
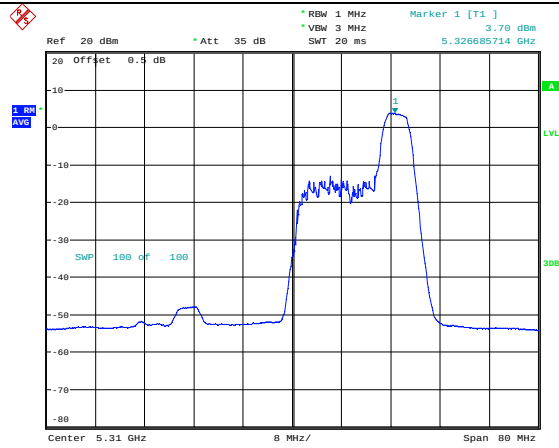
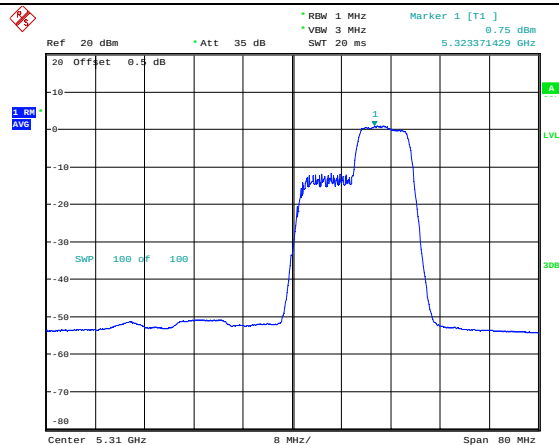
Date: 16.MAY.2023 22:42:17

802.11ax hew40
Lowest Channel
(484/65)

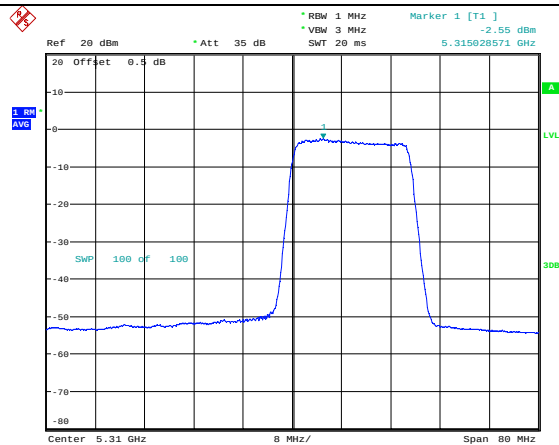


Date: 16.MAY.2023 22:43:11

Maximum power spectral density

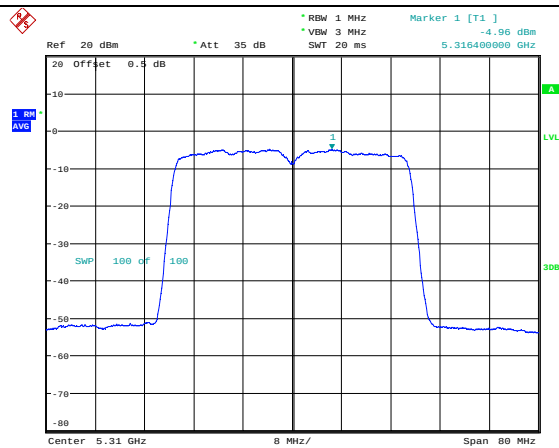
802.11ax hew40
Highest Channel
(26/17)802.11ax hew40
Highest Channel
(52/44)802.11ax hew40
Highest Channel
(106/56)

802.11ax hew40
Highest Channel
(242/62)



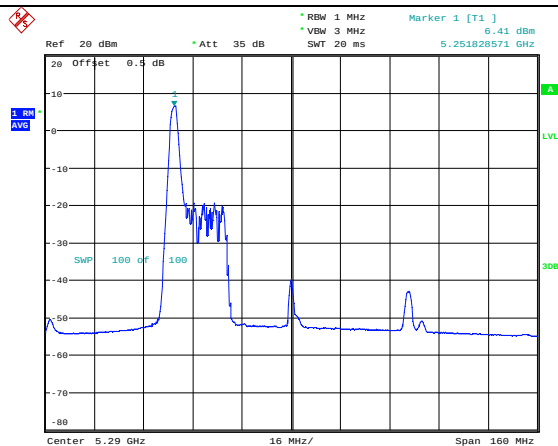
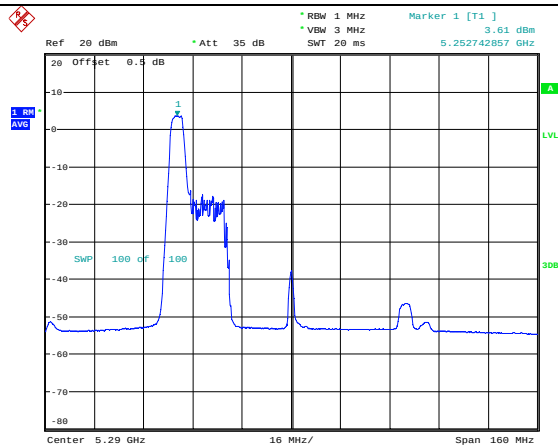
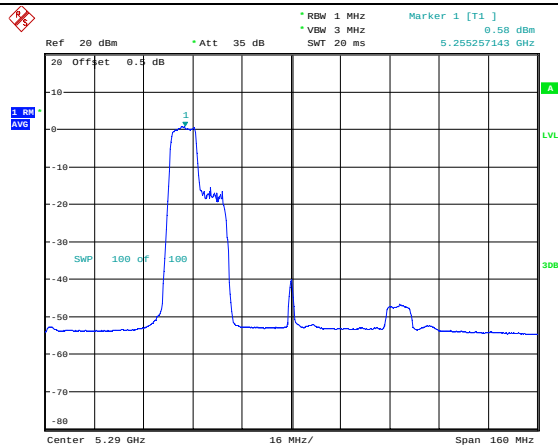
Date: 16.MAY.2023 22:51:48

802.11ax hew40
Highest Channel
(484/65)

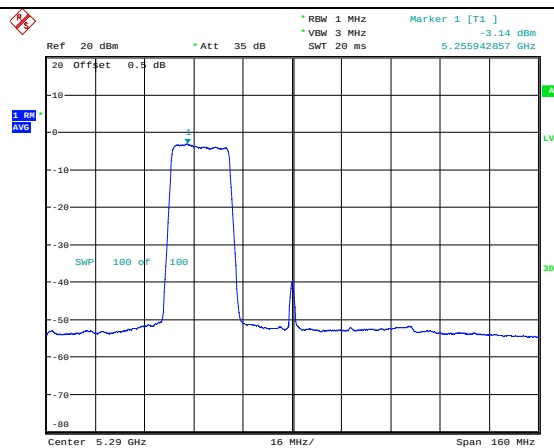


Date: 16.MAY.2023 22:53:13

Maximum power spectral density

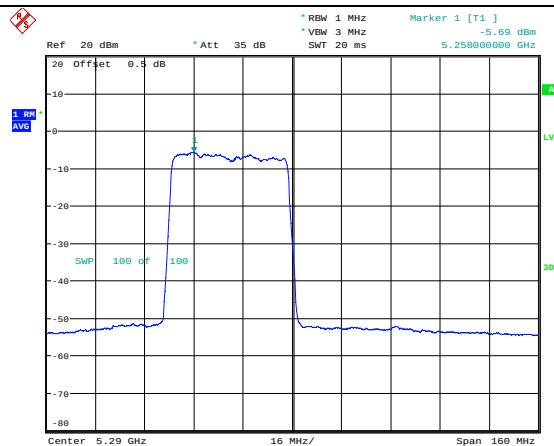
802.11ax hew80
Middle Channel
(26/0)802.11ax hew80
Middle Channel
(52/37)802.11ax hew80
Middle Channel
(106/53)

802.11ax hew80
Middle Channel
(242/61)



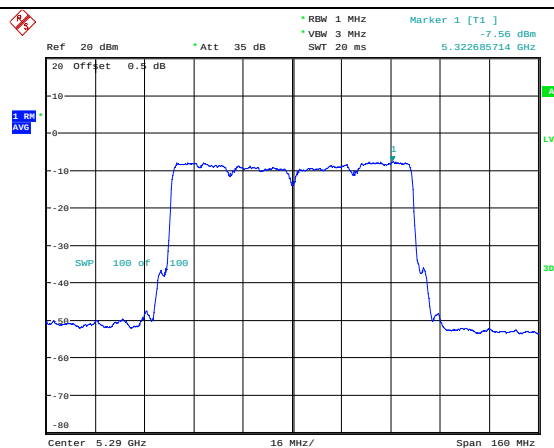
Date: 16.MAY.2023 23:02:23

802.11ax hew80
Middle Channel
(484/65)



Date: 16.MAY.2023 23:03:27

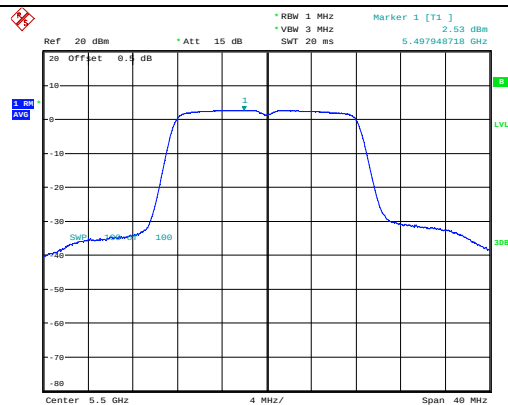
802.11ax hew80
Middle Channel
(996/67)



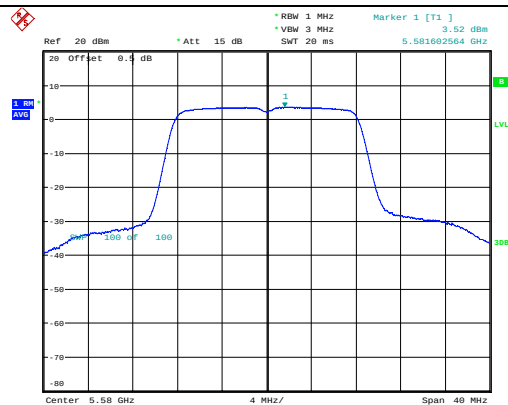
Date: 16.MAY.2023 23:04:21

5470-5725 MHz:

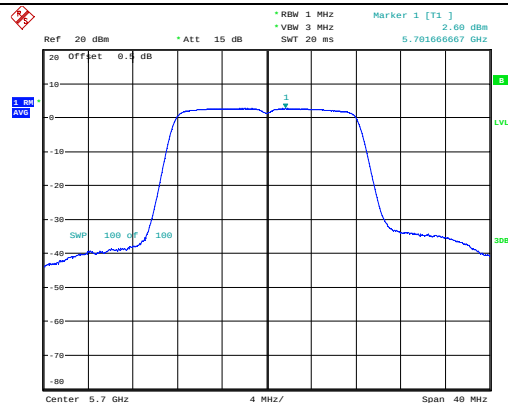
Maximum power spectral density

802.11a
5500MHz

Date: 9.MAY.2023 22:06:56

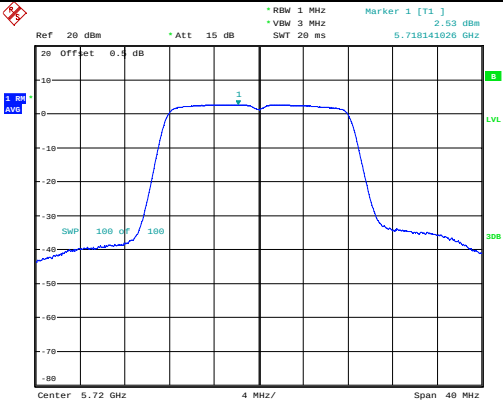
802.11a
5580MHz

Date: 9.MAY.2023 22:20:22

802.11a
5700MHz

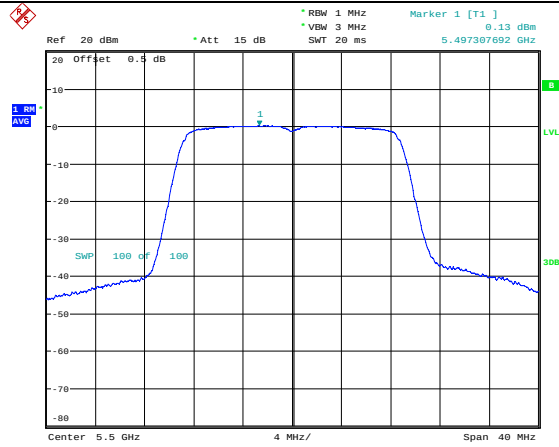
Date: 9.MAY.2023 22:22:57

802.11a
5720MHz

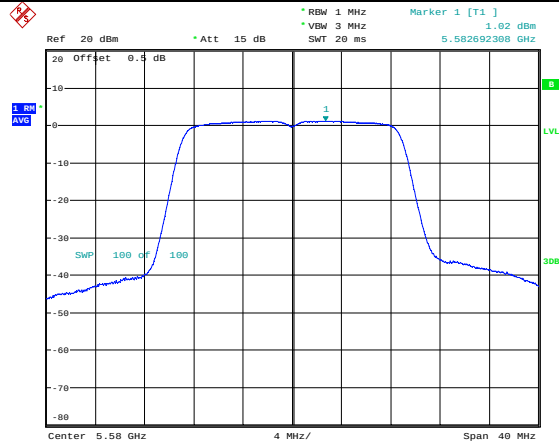


Date: 9.MAY.2023 22:37:58

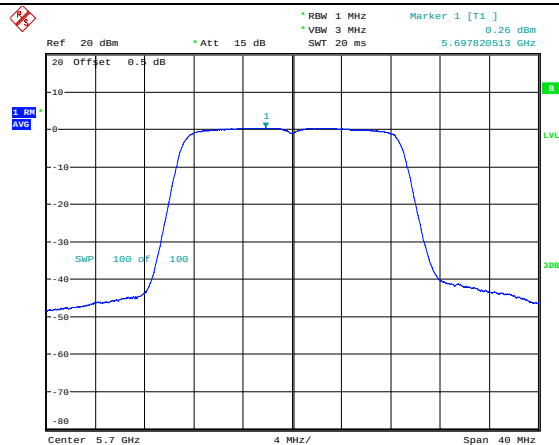
Maximum power spectral density

802.11n ht20
5500MHz

Date: 9.MAY.2023 22:26:31

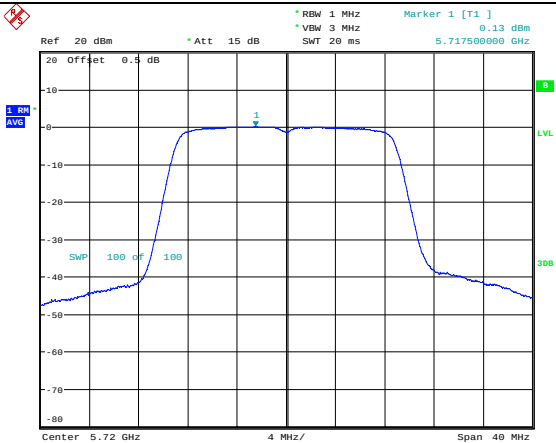
802.11n ht20
5580MHz

Date: 9.MAY.2023 22:39:57

802.11n ht20
5700MHz

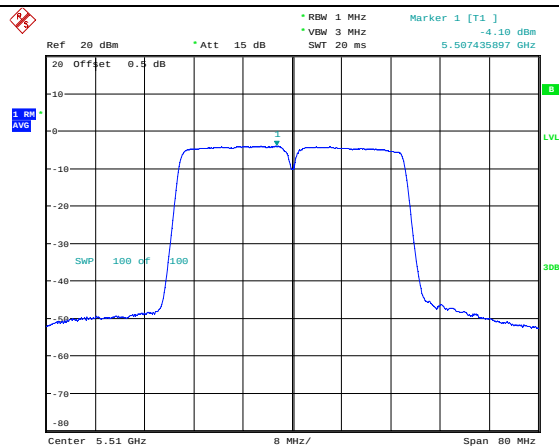
Date: 9.MAY.2023 22:42:42

802.11n ht20
5720MHz

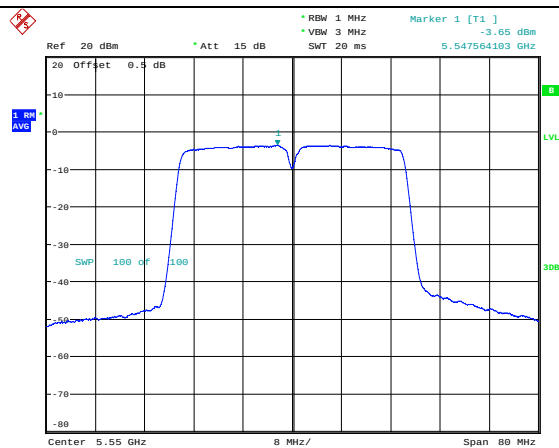


Date: 9.MAY.2023 22:46:23

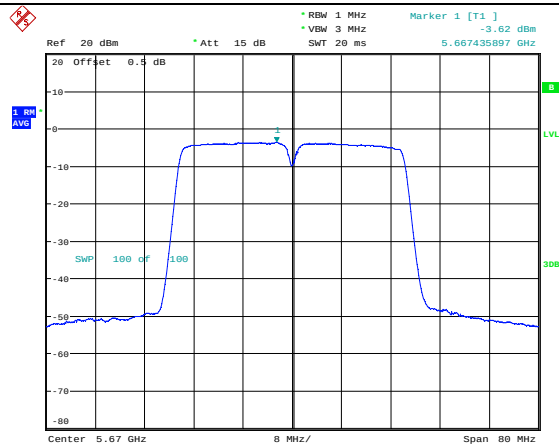
Maximum power spectral density

802.11n ht40
5510MHz

Date: 9.MAY.2023 22:58:54

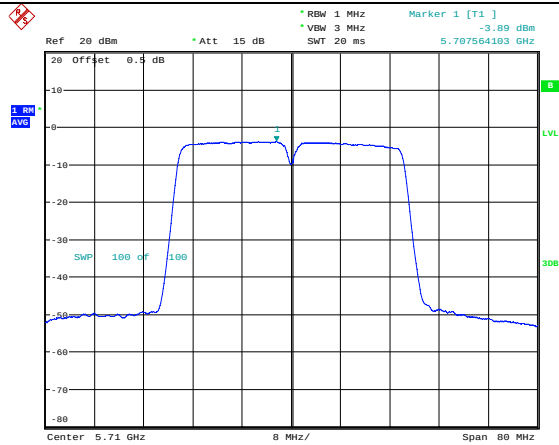
802.11n ht40
5550MHz

Date: 9.MAY.2023 23:02:12

802.11n ht40
5670MHz

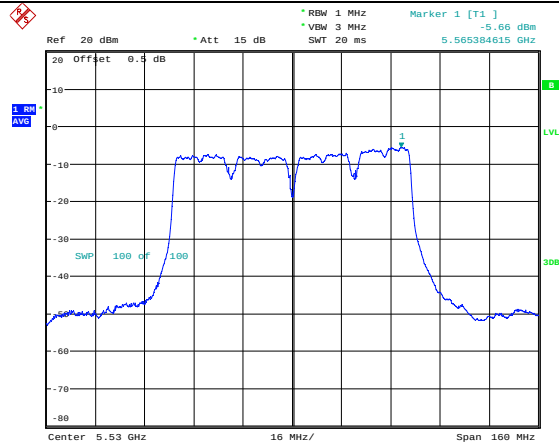
Date: 9.MAY.2023 23:04:55

802.11n ht40
5710MHz

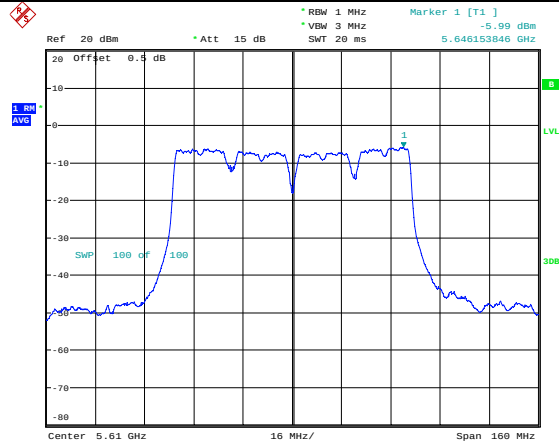


Date: 9.MAY.2023 23:05:46

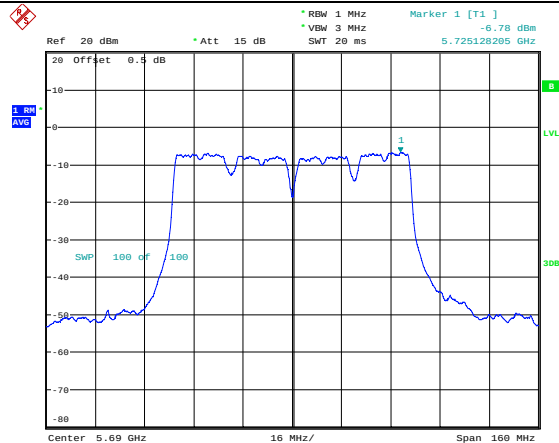
Maximum power spectral density

802.11ac vht80
5530MHz

Date: 9.MAY.2023 23:09:45

802.11ac vht80
5610MHz

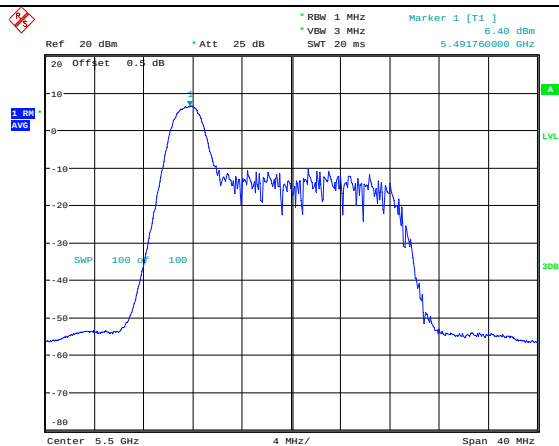
Date: 9.MAY.2023 23:14:27

802.11ac vht80
5690MHz

Date: 9.MAY.2023 23:13:15

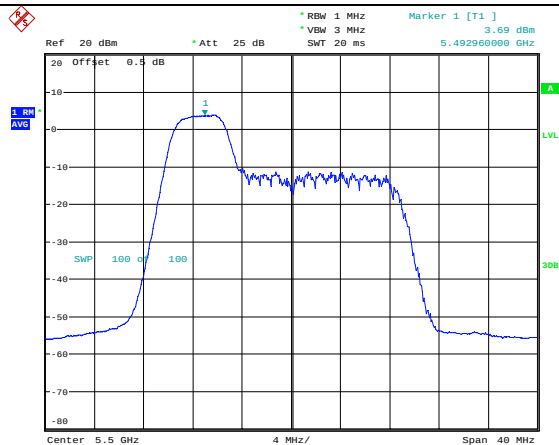
Maximum power spectral density

802.11ax hew20
Lowest Channel
(26/0)



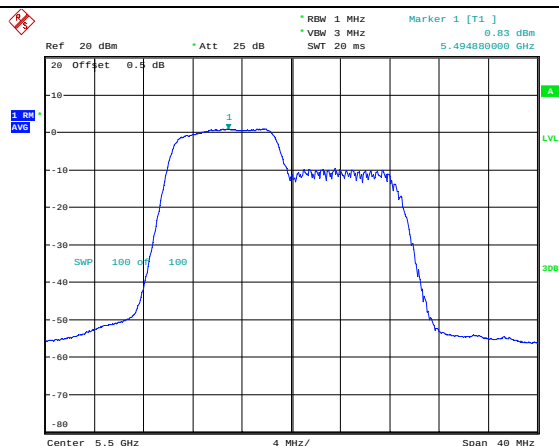
Date: 17.MAY.2023 20:50:00

802.11ax hew20
Lowest Channel
(52/37)



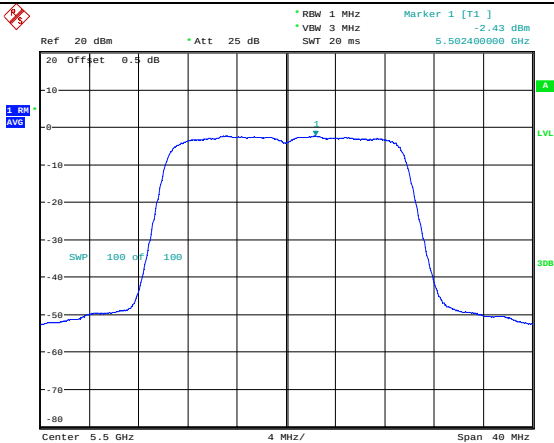
Date: 17.MAY.2023 20:50:43

802.11ax hew20
Lowest Channel
(106/53)

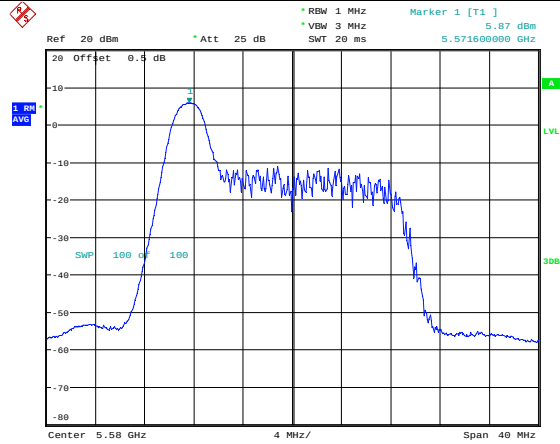


Date: 17.MAY.2023 20:51:40

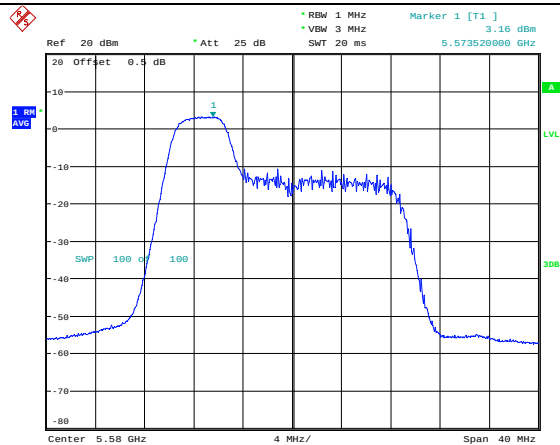
802.11ax hew20
Lowest Channel
(242/61)



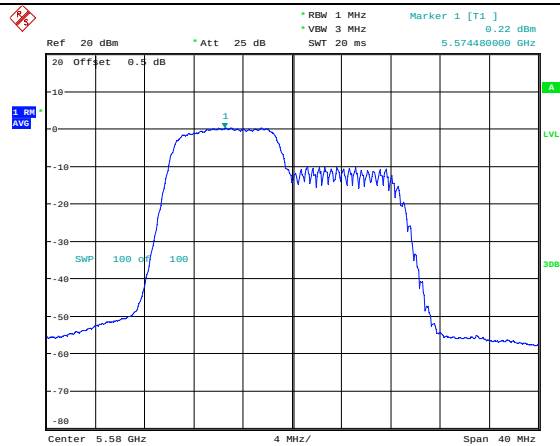
Date: 17.MAY.2023 20:52:27

Maximum power spectral density802.11ax hew20
Middle Channel
(26/0)

Date: 17.MAY.2023 20:53:41

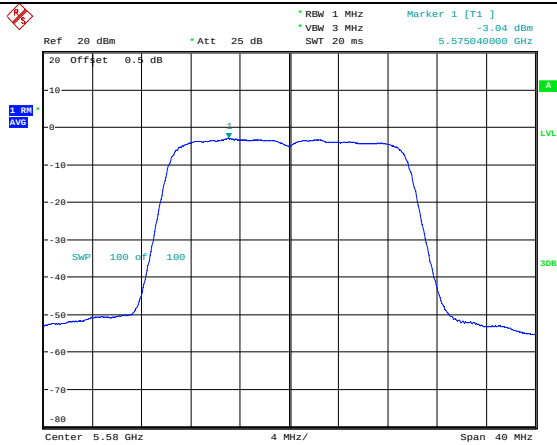
802.11ax hew20
Middle Channel
(52/37)

Date: 17.MAY.2023 20:54:41

802.11ax hew20
Middle Channel
(106/53)

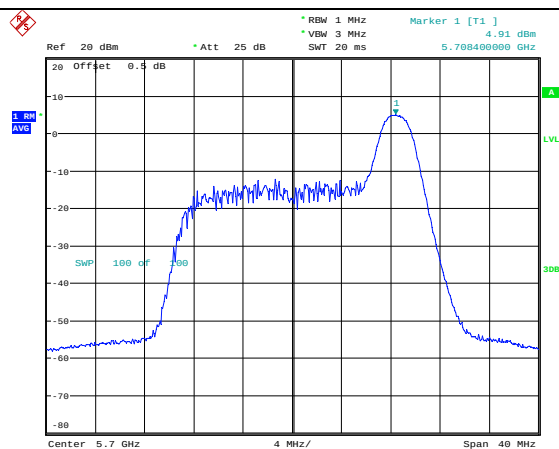
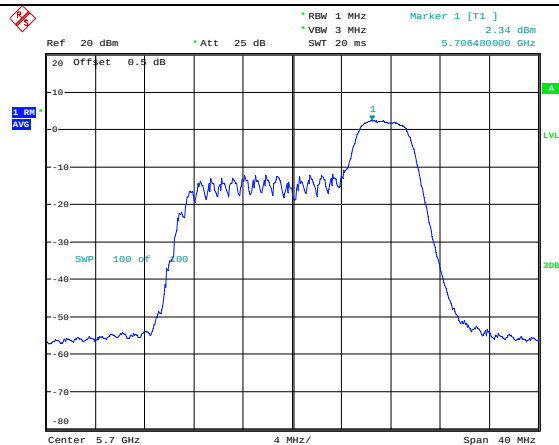
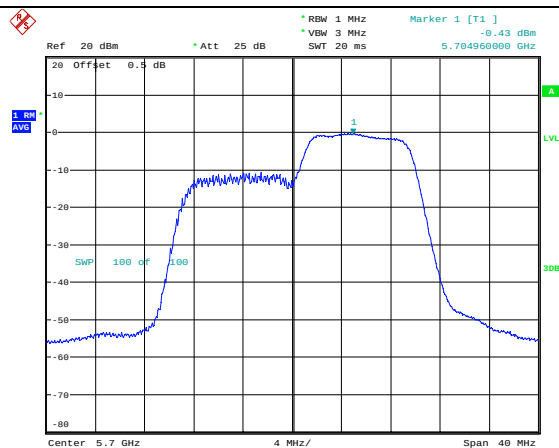
Date: 17.MAY.2023 20:55:50

802.11ax hew20
Middle Channel
(242/61)

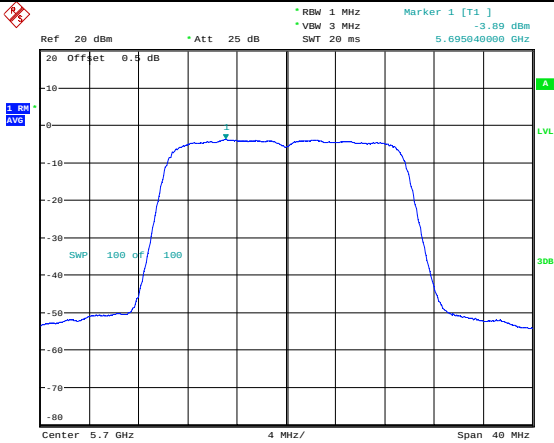


Date: 17.MAY.2023 20:56:58

Maximum power spectral density

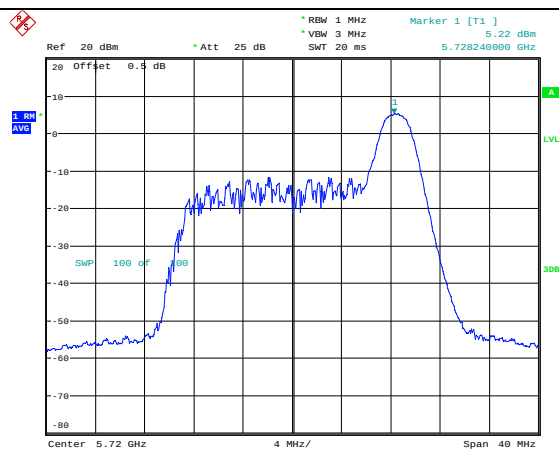
802.11ax hew20
Highest Channel
(26/8)802.11ax hew20
Highest Channel
(52/40)802.11ax hew20
Highest Channel
(106/54)

802.11ax hew20
Highest Channel
(242/61)

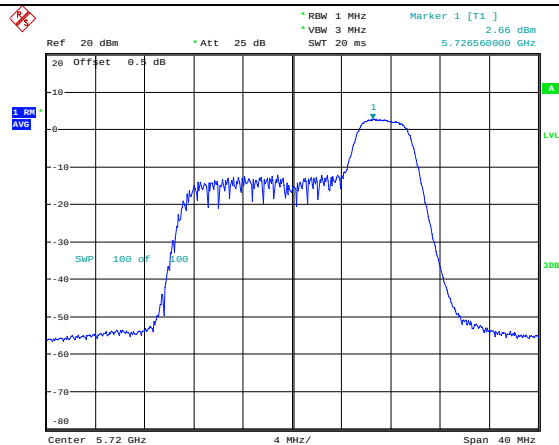


Date: 17.MAY.2023 21:02:44

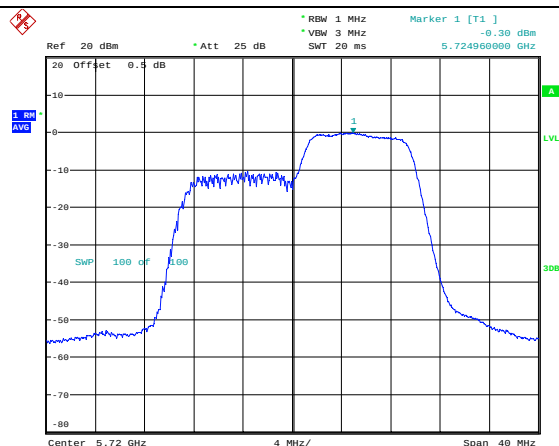
Maximum power spectral density

802.11ax hew20
Highest Channel
(26/8)

Date: 17.MAY.2023 21:05:03

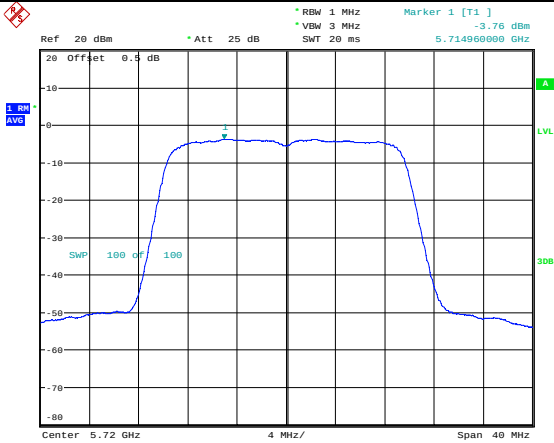
802.11ax hew20
Highest Channel
(52/40)

Date: 17.MAY.2023 21:06:03

802.11ax hew20
Highest Channel
(106/54)

Date: 17.MAY.2023 21:07:08

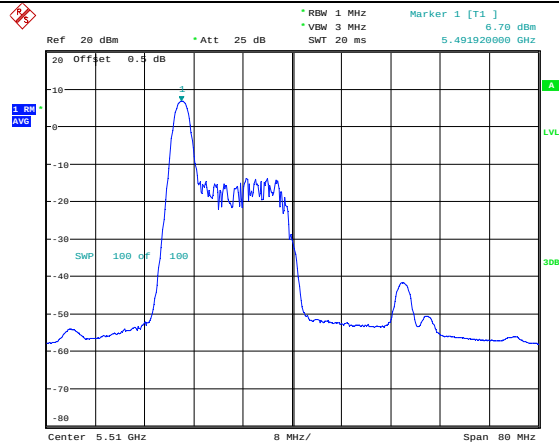
802.11ax hew20
Highest Channel
(242/61)



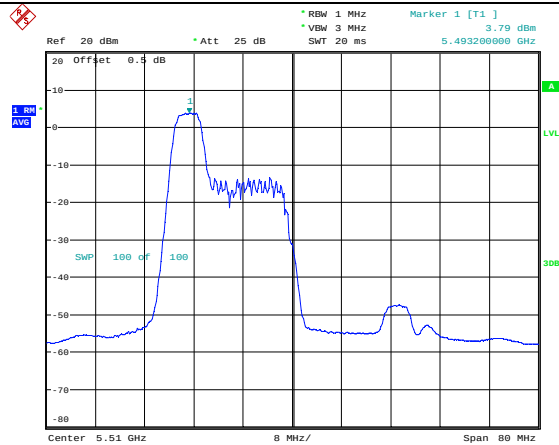
Date: 17.MAY.2023 21:08:00

Maximum power spectral density

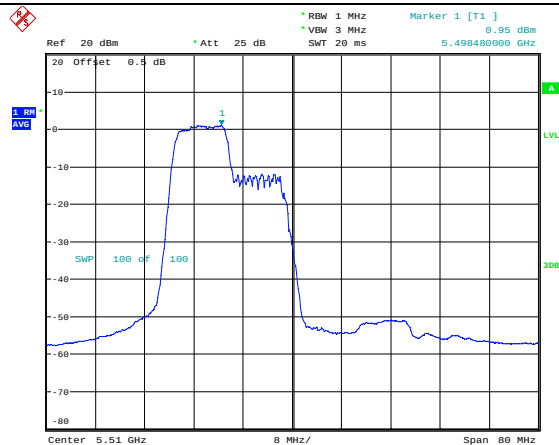
802.11ax hew40
Lowest Channel
(26/0)



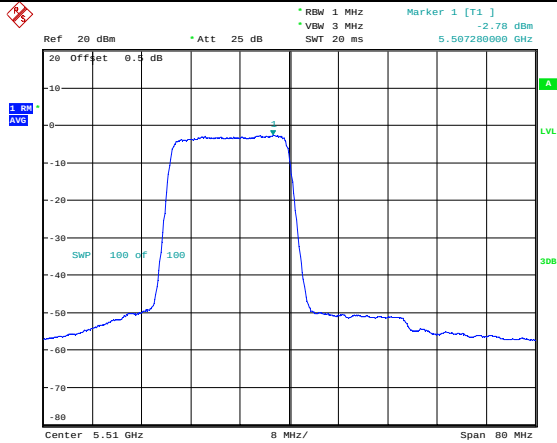
802.11ax hew40
Lowest Channel
(52/37)



802.11ax hew40
Lowest Channel
(106/53)

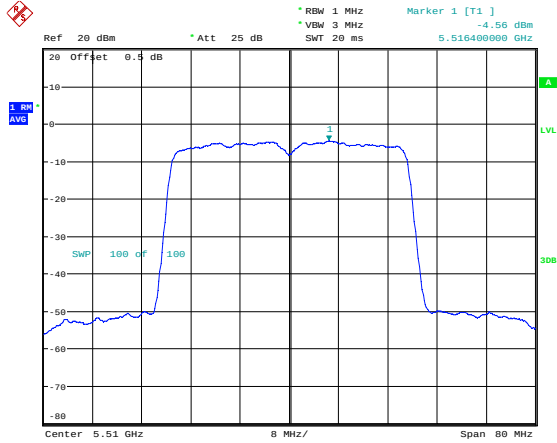


802.11ax hew40
Lowest Channel
(242/61)



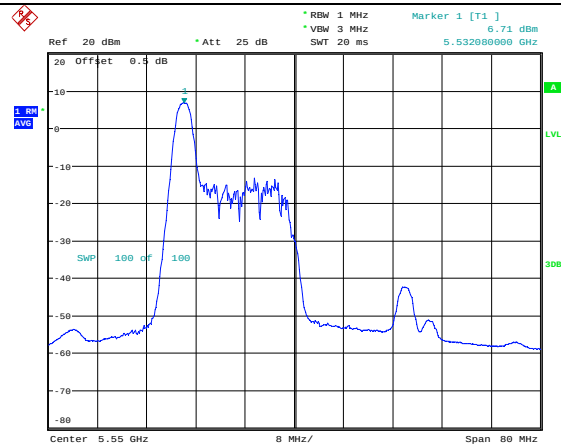
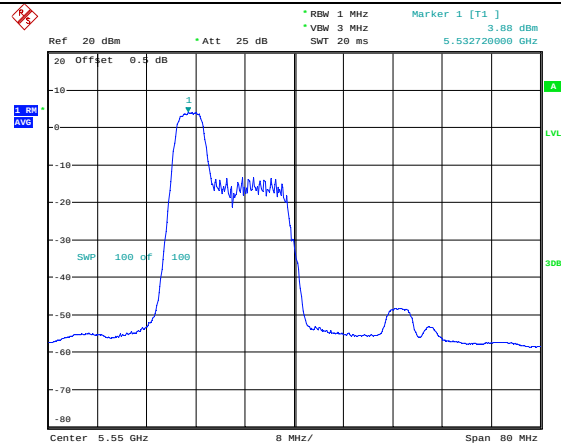
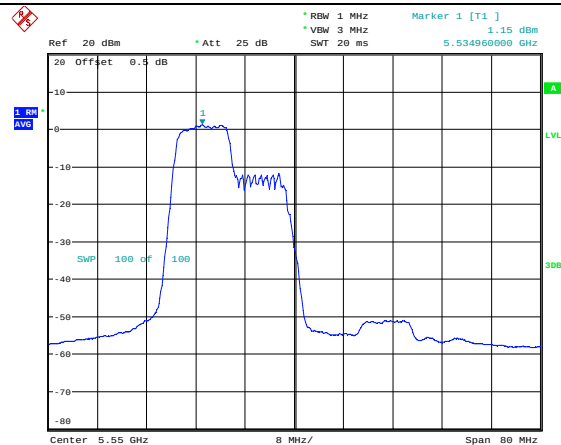
Date: 17.MAY.2023 21:15:14

802.11ax hew40
Lowest Channel
(484/65)

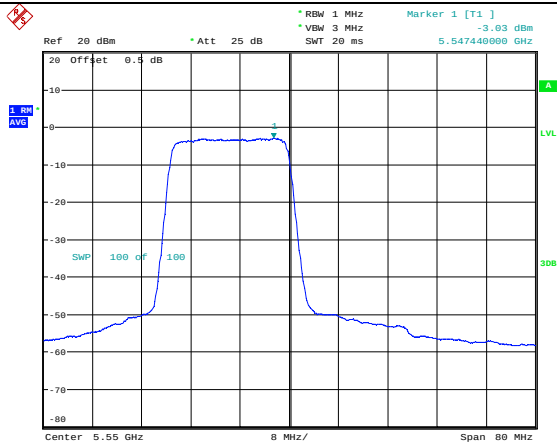


Date: 17.MAY.2023 21:16:20

Maximum power spectral density

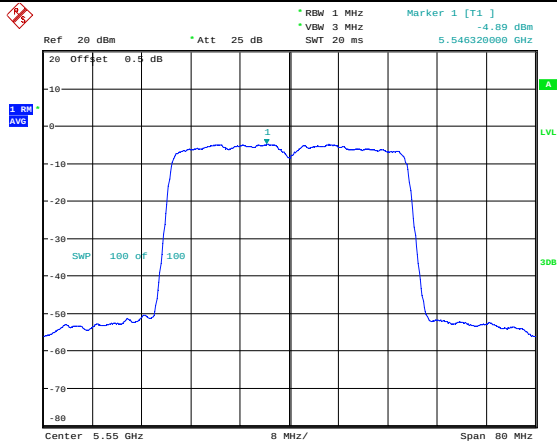
802.11ax hew40
Middle Channel
(26/0)802.11ax hew40
Middle Channel
(52/37)802.11ax hew40
Middle Channel
(106/53)

802.11ax hew40
Middle Channel
(242/61)



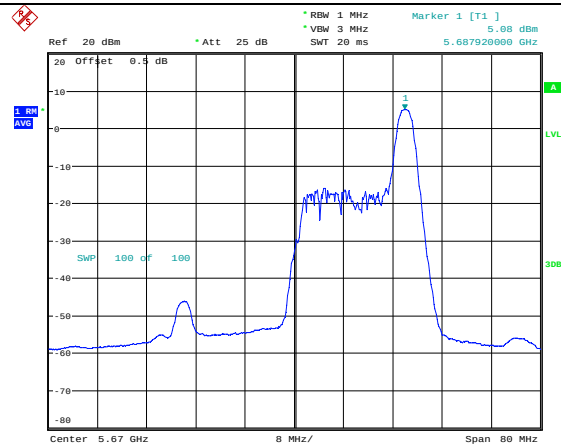
Date: 17.MAY.2023 21:30:38

802.11ax hew40
Middle Channel
(484/65)

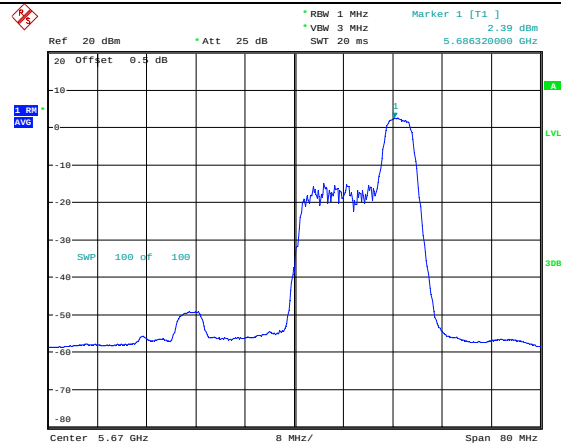


Date: 17.MAY.2023 21:32:25

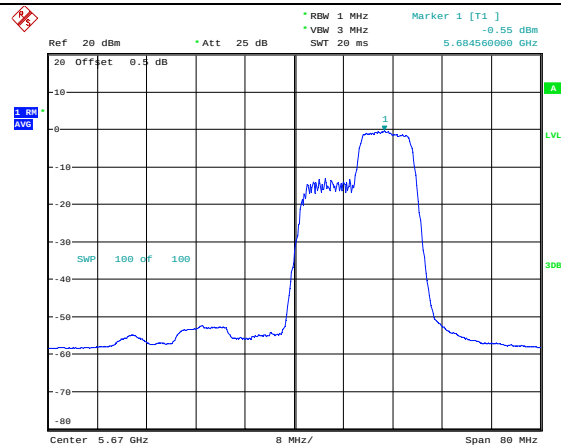
Maximum power spectral density

802.11ax hew40
Highest Channel
(26/17)

Date: 17.MAY.2023 21:34:12

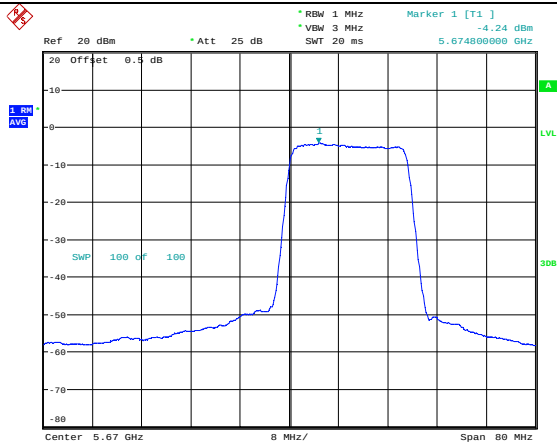
802.11ax hew40
Highest Channel
(52/44)

Date: 17.MAY.2023 21:35:12

802.11ax hew40
Highest Channel
(106/56)

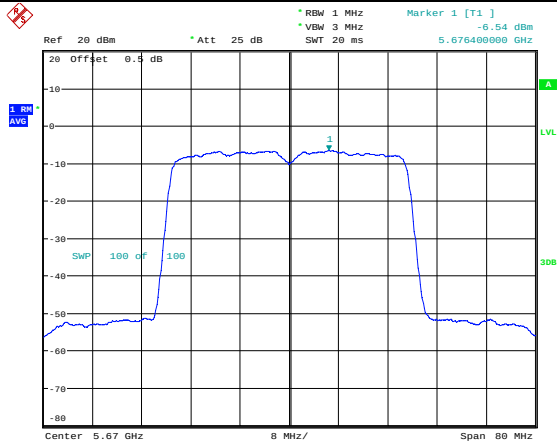
Date: 17.MAY.2023 21:36:32

802.11ax hew40
Highest Channel
(242/62)



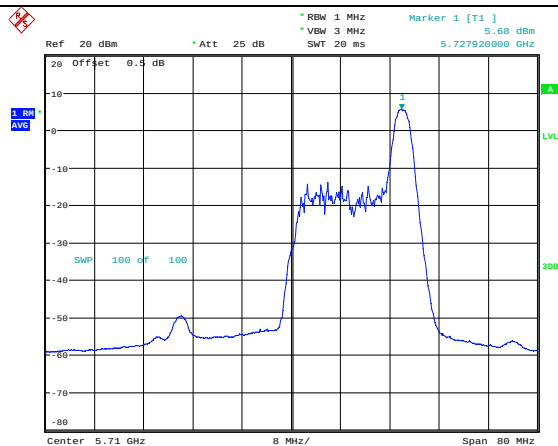
Date: 17.MAY.2023 21:38:00

802.11ax hew40
Highest Channel
(484/65)

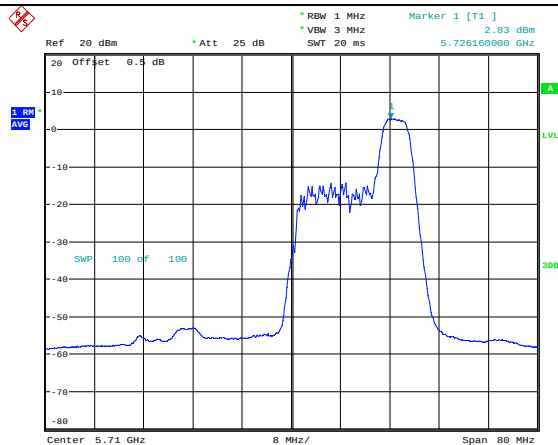


Date: 17.MAY.2023 21:38:55

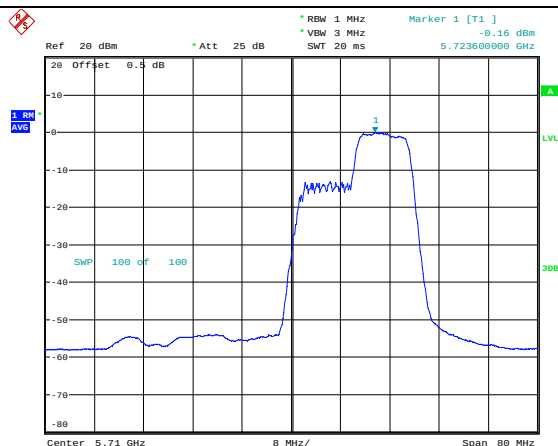
Maximum power spectral density

802.11ax hew40
Highest Channel
(26/17)

Date: 17.MAY.2023 21:42:39

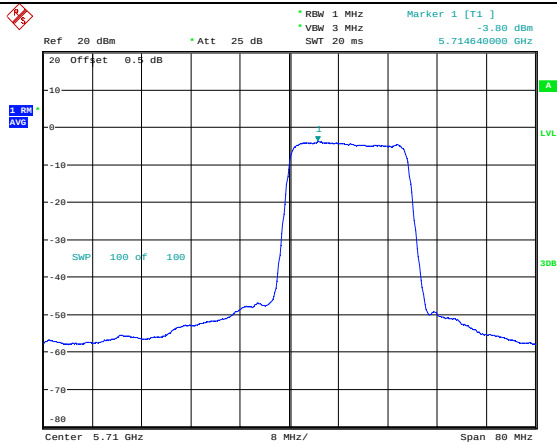
802.11ax hew40
Highest Channel
(52/44)

Date: 17.MAY.2023 21:45:03

802.11ax hew40
Highest Channel
(106/56)

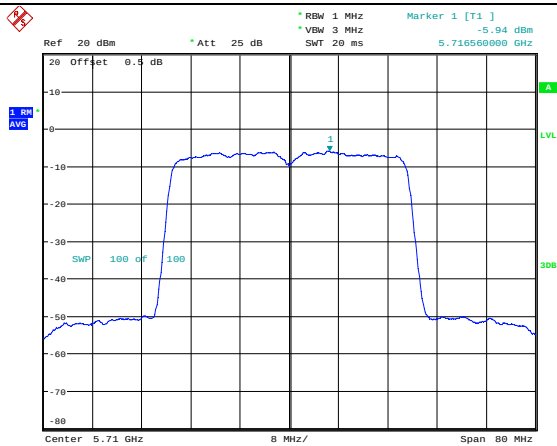
Date: 17.MAY.2023 21:46:02

802.11ax hew40
Highest Channel
(242/62)



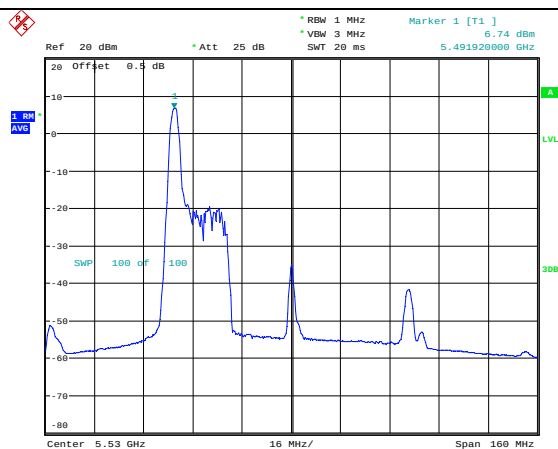
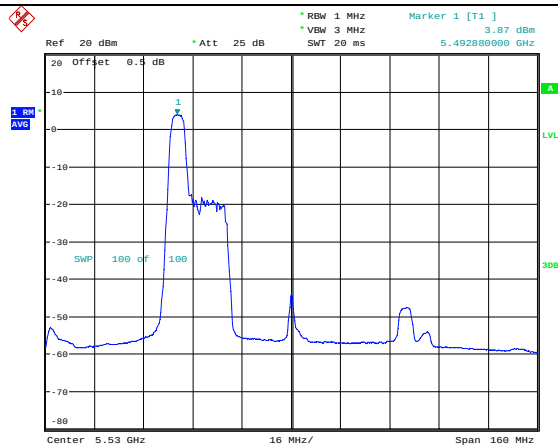
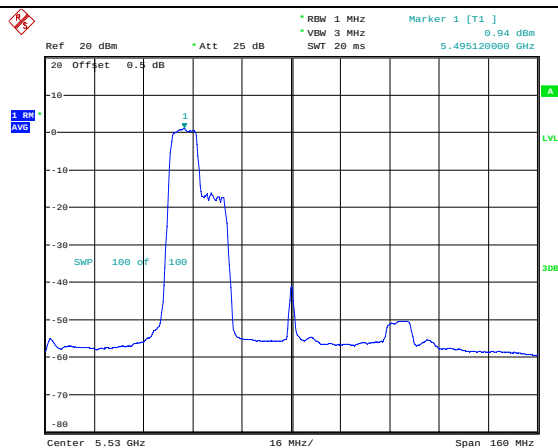
Date: 17.MAY.2023 21:47:15

802.11ax hew40
Highest Channel
(484/65)

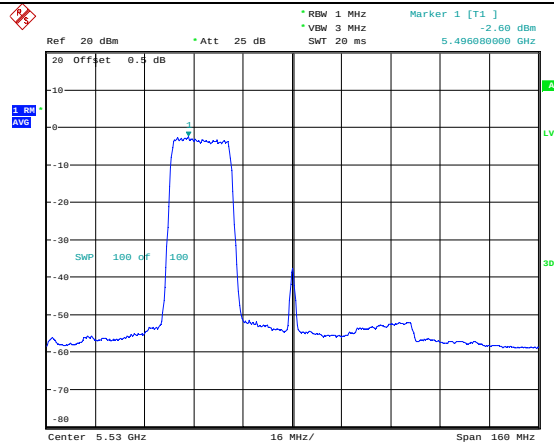


Date: 17.MAY.2023 21:48:15

Maximum power spectral density

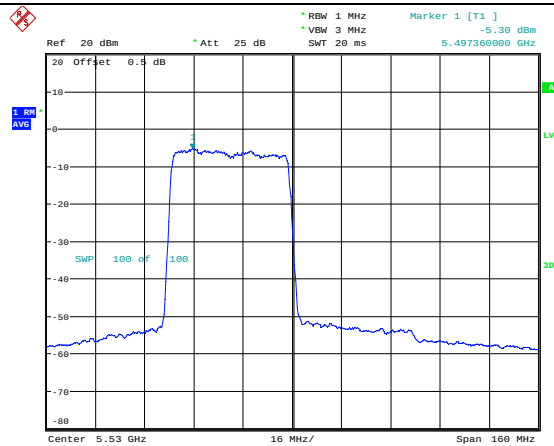
802.11ax hew80
Lowest Channel
(26/0)802.11ax hew80
Lowest Channel
(52/37)802.11ax hew80
Lowest Channel
(106/53)

802.11ax hew80
Lowest Channel
(242/61)



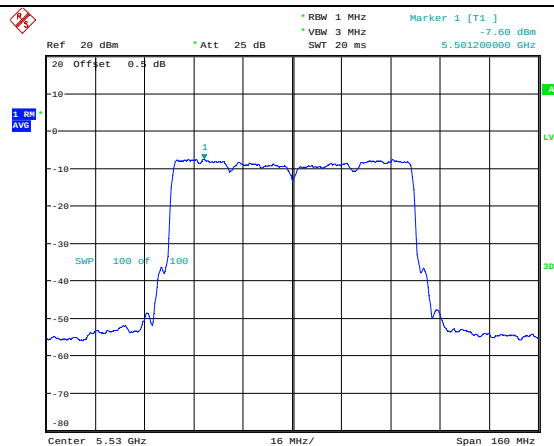
Date: 17.MAY.2023 22:12:02

802.11ax hew80
Lowest Channel
(484/65)



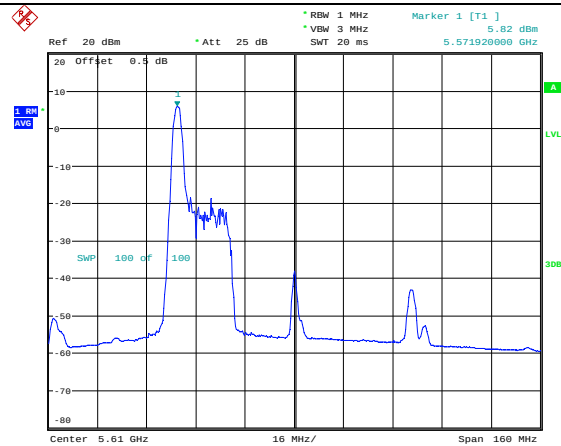
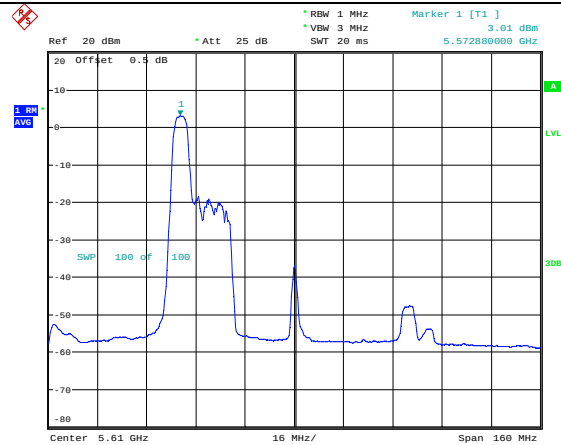
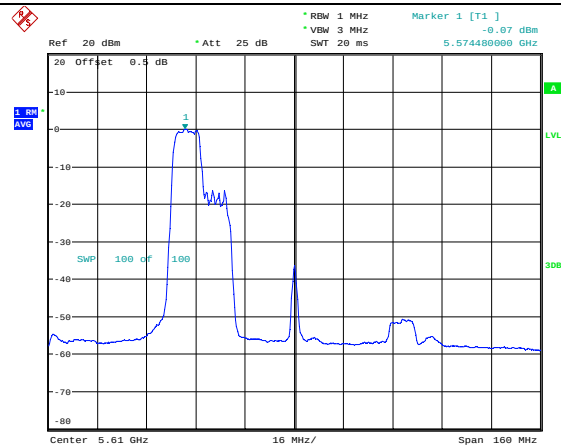
Date: 17.MAY.2023 22:13:08

802.11ax hew80
Lowest Channel
(996/67)

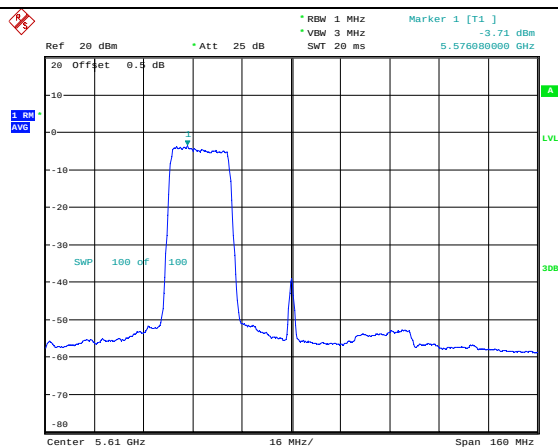


Date: 17.MAY.2023 22:14:12

Maximum power spectral density

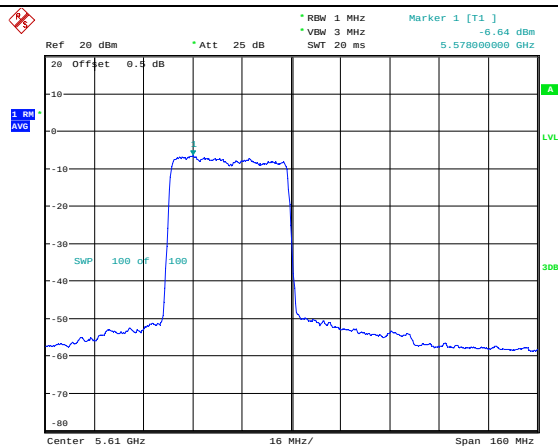
802.11ax hew80
Middle Channel
(26/0)802.11ax hew80
Middle Channel
(52/37)802.11ax hew80
Middle Channel
(106/53)

802.11ax hew80
Middle Channel
(242/61)



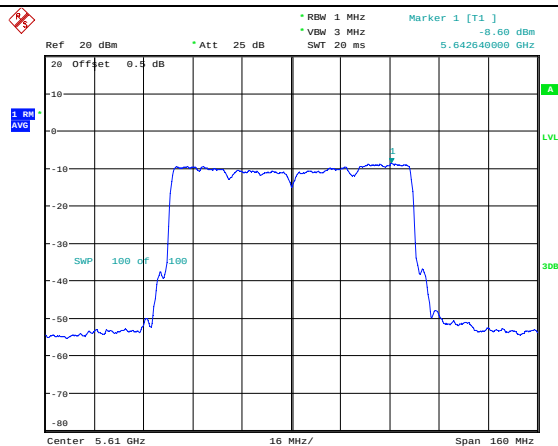
Date: 17.MAY.2023 22:20:28

802.11ax hew80
Middle Channel
(484/65)



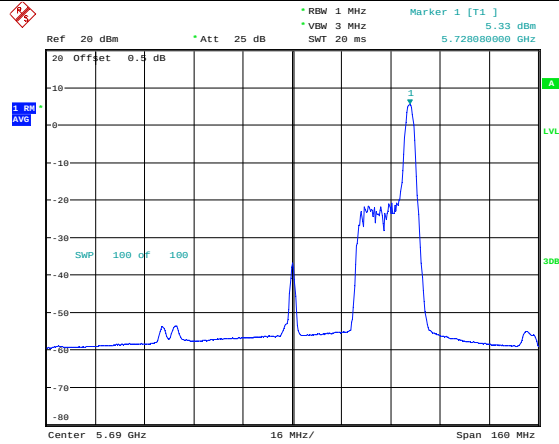
Date: 17.MAY.2023 22:22:14

802.11ax hew80
Middle Channel
(996/67)

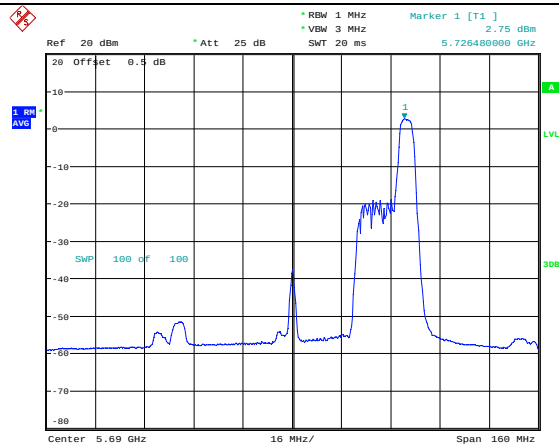


Date: 17.MAY.2023 22:23:34

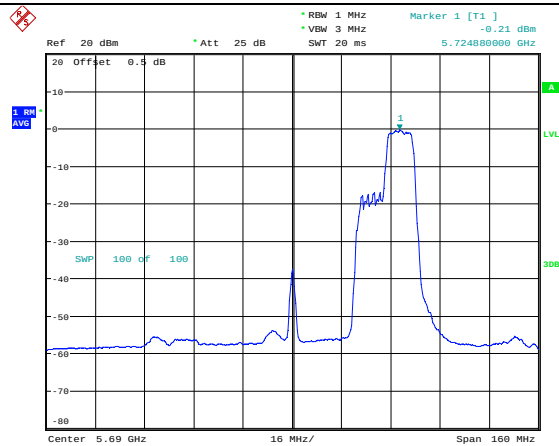
Maximum power spectral density

802.11ax hew80
Highest Channel
(26/36)

Date: 17.MAY.2023 22:25:35

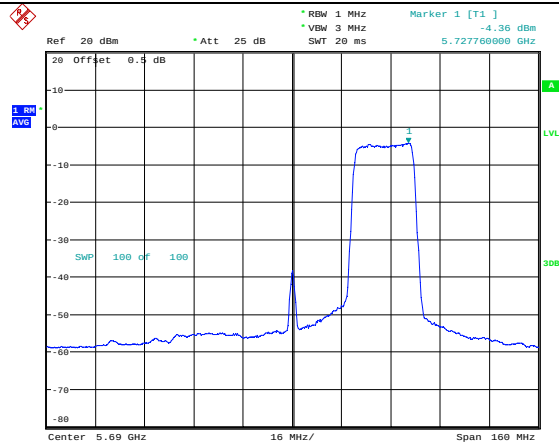
802.11ax hew80
Highest Channel
(52/52)

Date: 17.MAY.2023 22:26:44

802.11ax hew80
Highest Channel
(106/60)

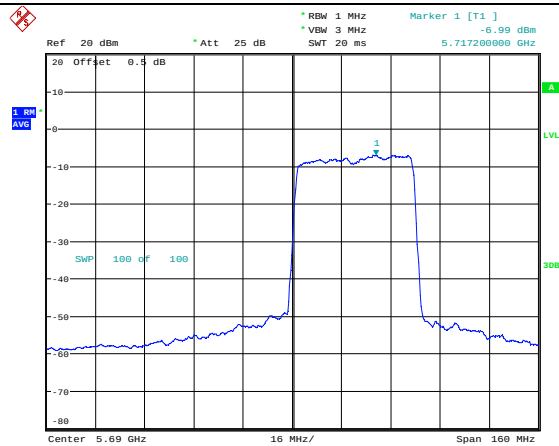
Date: 17.MAY.2023 22:28:13

802.11ax hew80
Highest Channel
(242/64)



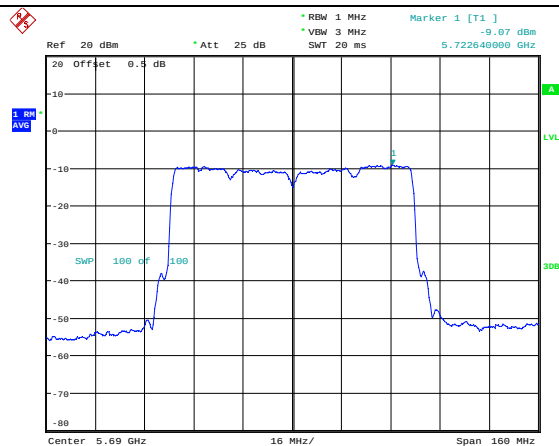
Date: 17.MAY.2023 22:29:18

802.11ax hew80
Highest Channel
(484/66)



Date: 17.MAY.2023 22:30:37

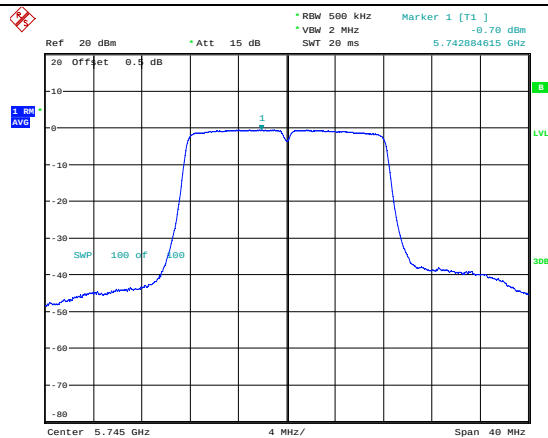
802.11ax hew80
Highest Channel
(996/67)



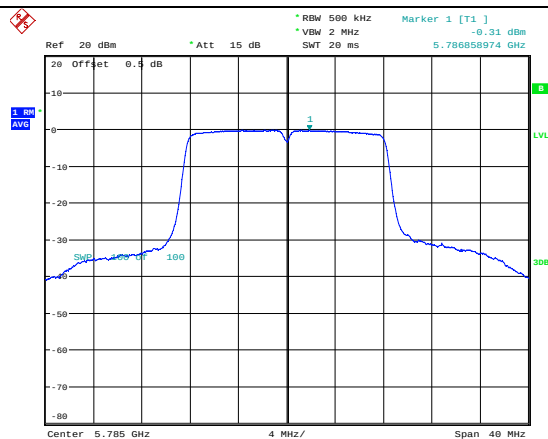
Date: 17.MAY.2023 22:32:07

5725-5850MHz

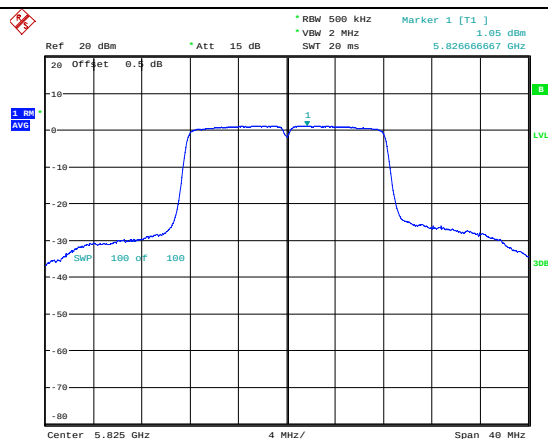
Maximum power spectral density

802.11a
Lowest Channel

Date: 10.MAY.2023 21:25:42

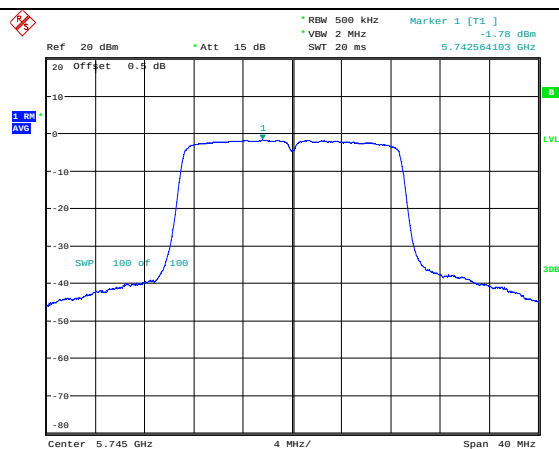
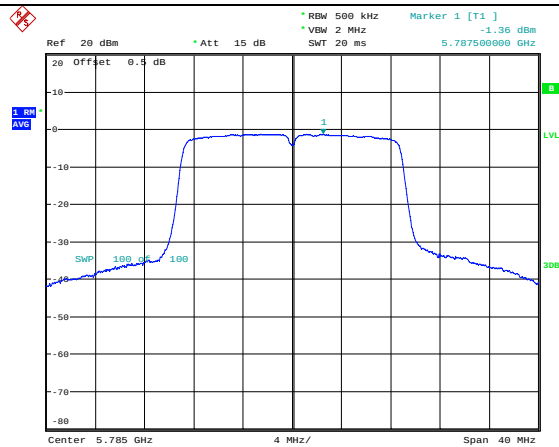
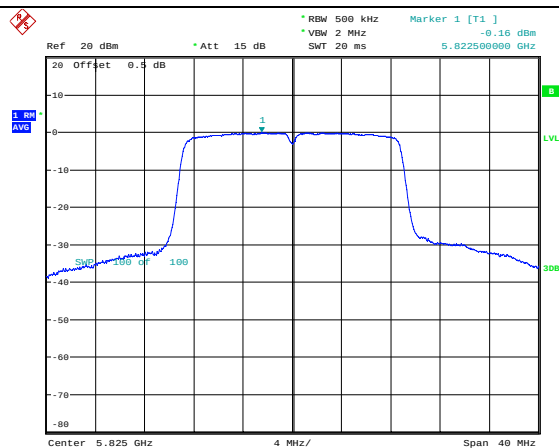
802.11a
Middle Channel

Date: 10.MAY.2023 21:29:47

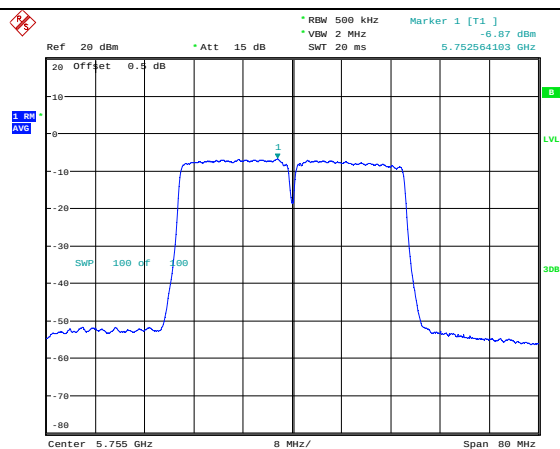
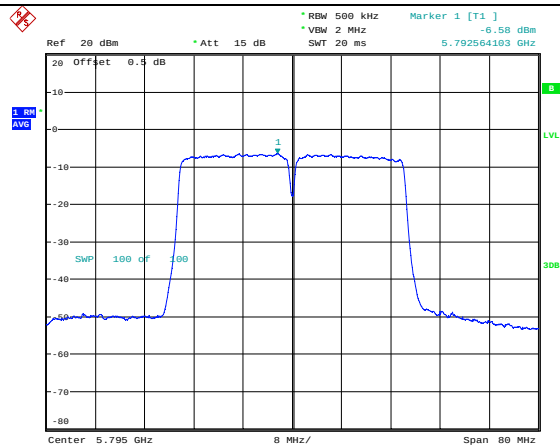
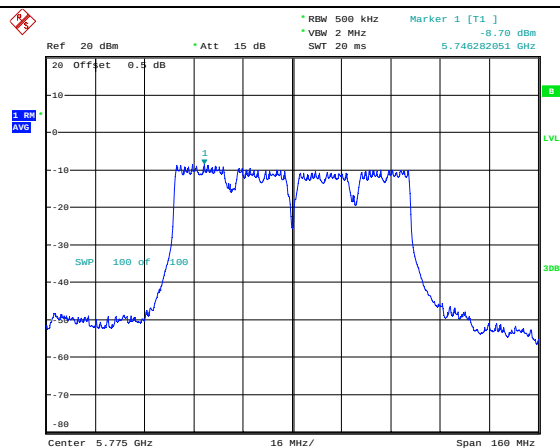
802.11a
Highest Channel

Date: 10.MAY.2023 21:49:28

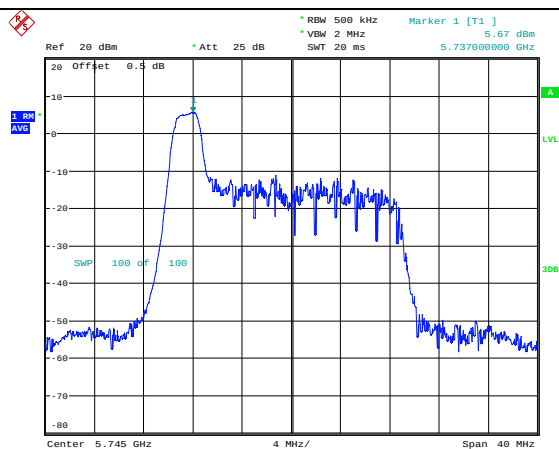
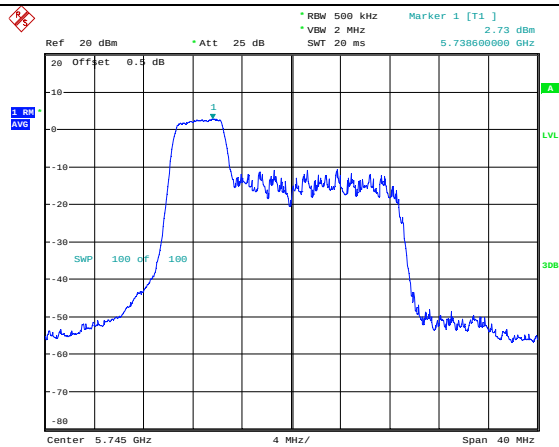
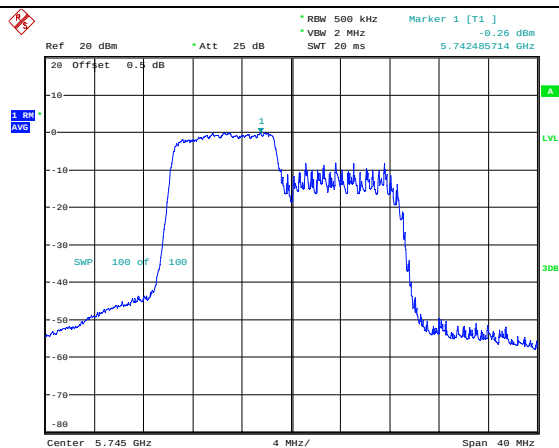
Maximum power spectral density

802.11n ht20
Lowest Channel802.11n ht20
Middle Channel802.11n ht20
Highest Channel

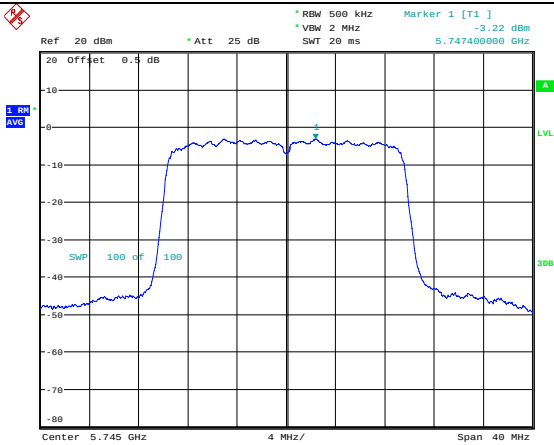
Maximum power spectral density

802.11n ht40
Lowest Channel802.11n ht40
Highest Channel802.11ac vht80
Middle Channel

Maximum power spectral density

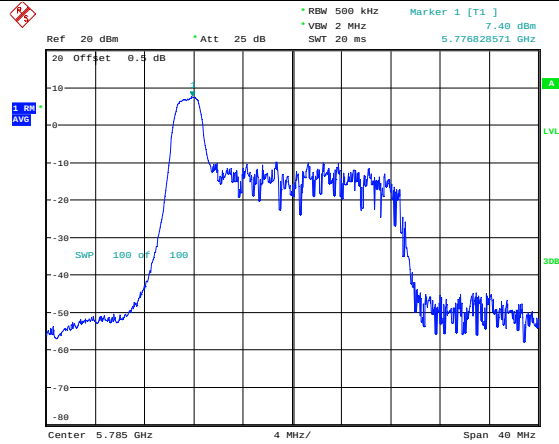
802.11ax hew20
Lowest Channel
(26/0)802.11ax hew20
Lowest Channel
(52/37)802.11ax hew20
Lowest Channel
(106/53)

802.11ax hew20
Lowest Channel
(242/61)

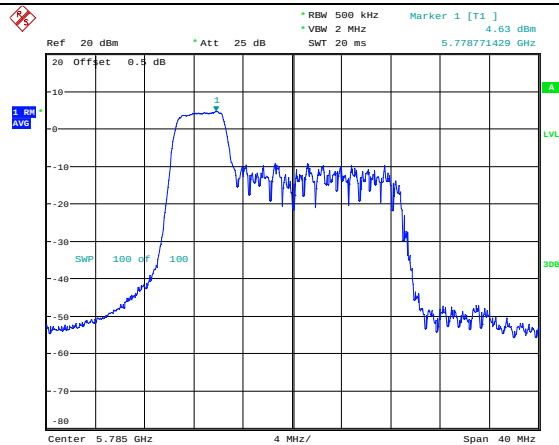


Date: 18.MAY.2023 21:55:38

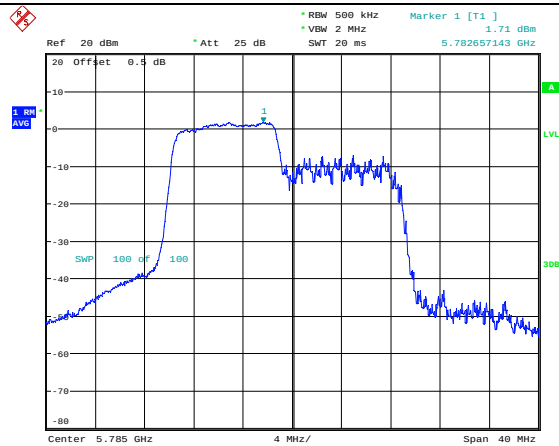
Maximum power spectral density

802.11ax hew20
Middle Channel
(26/0)

Date: 18.MAY.2023 21:58:52

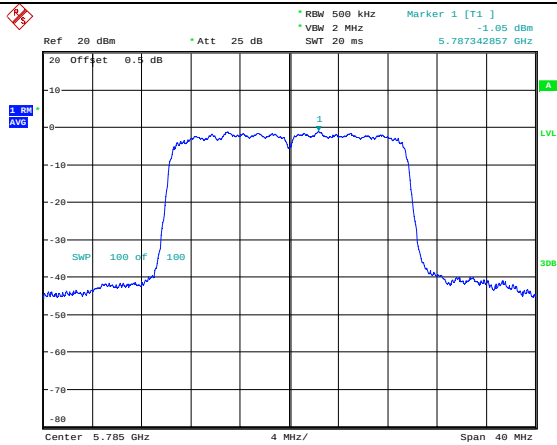
802.11ax hew20
Middle Channel
(52/37)

Date: 18.MAY.2023 22:00:50

802.11ax hew20
Middle Channel
(106/53)

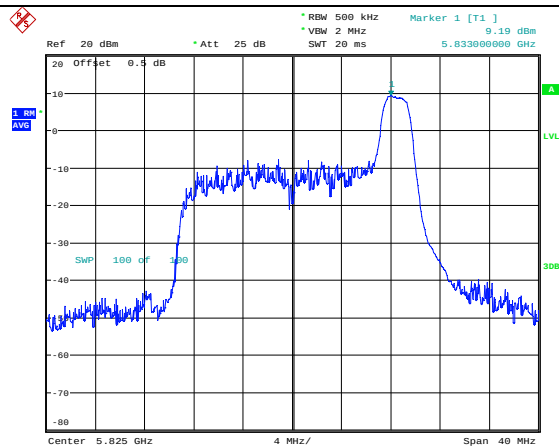
Date: 18.MAY.2023 22:02:02

802.11ax hew20
Middle Channel
(242/61)

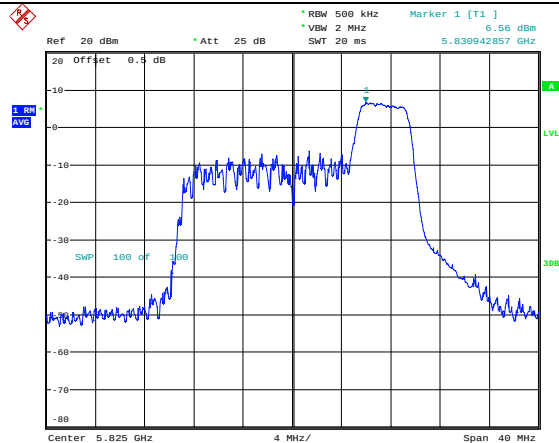


Date: 18.MAY.2023 22:04:05

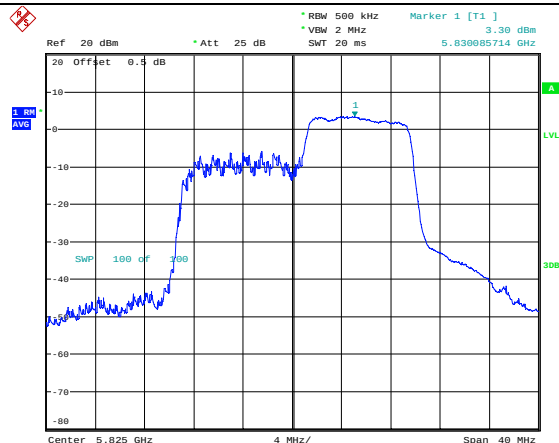
Maximum power spectral density

802.11ax hew20
Highest Channel
(26/8)

Date: 18.MAY.2023 22:08:32

802.11ax hew20
Highest Channel
(52/40)

Date: 18.MAY.2023 22:10:34

802.11ax hew20
Highest Channel
(106/54)

Date: 18.MAY.2023 22:12:06

Ref 20 dBm Att 25 dB

RBW 500 kHz VBW 2 MHz SWT 20 ms

Marker 1 [T1] 0.35 dBm 5.819914286 GHz

20 Offset 0.5 dB

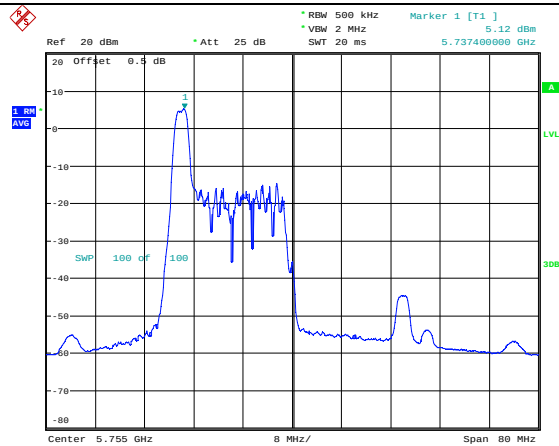
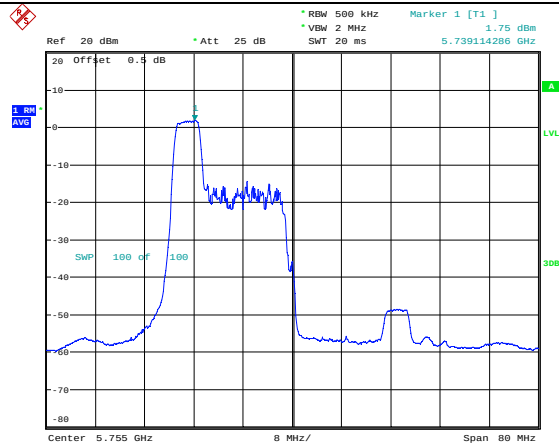
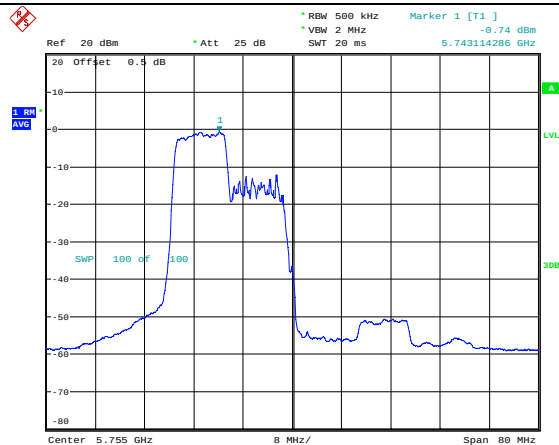
1 0

SWP 100 kHz 100

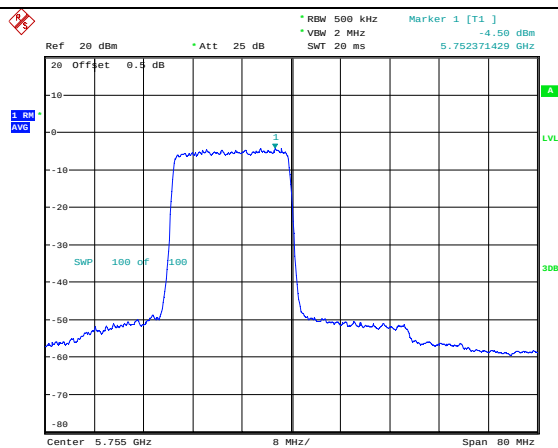
Center 5.825 GHz Span 40 MHz

Date: 18.MAY.2023 22:12:55

Maximum power spectral density

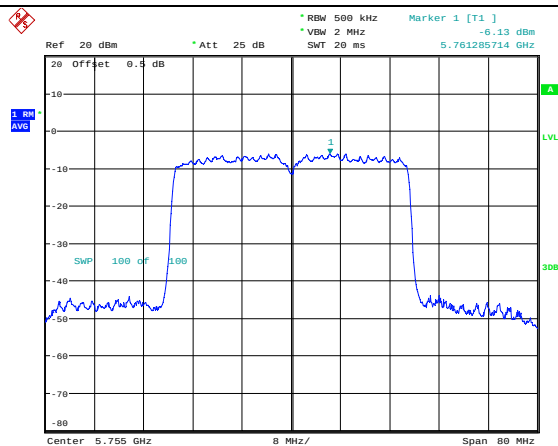
802.11ax hew40
Lowest Channel
(26/0)802.11ax hew40
Lowest Channel
(52/37)802.11ax hew40
Lowest Channel
(106/53)

802.11ax hew40
Lowest Channel
(242/61)



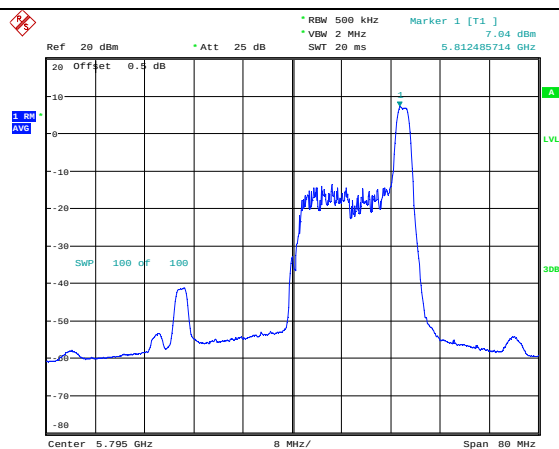
Date: 18.MAY.2023 22:22:00

802.11ax hew40
Lowest Channel
(484/65)

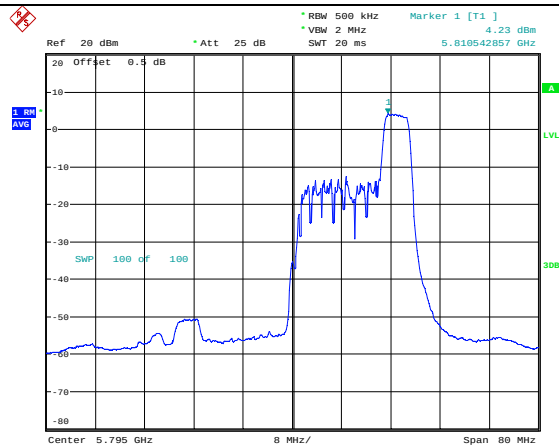


Date: 18.MAY.2023 22:23:01

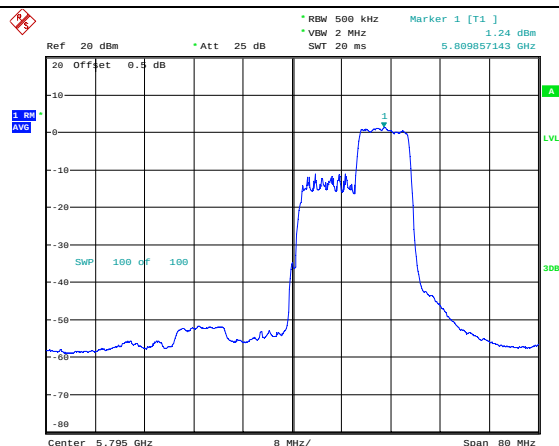
Maximum power spectral density

802.11ax hew40
Highest Channel
(26/17)

Date: 18.MAY.2023 22:25:39

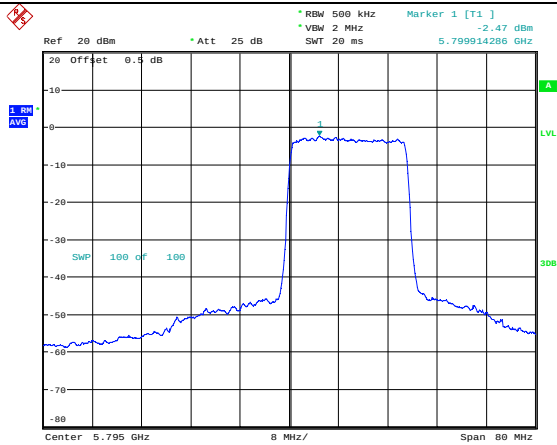
802.11ax hew40
Highest Channel
(52/44)

Date: 18.MAY.2023 22:26:37

802.11ax hew40
Highest Channel
(106/56)

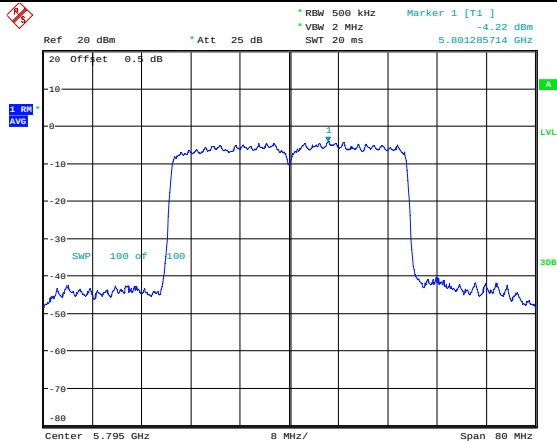
Date: 18.MAY.2023 22:27:59

802.11ax hew40
Highest Channel
(242/62)



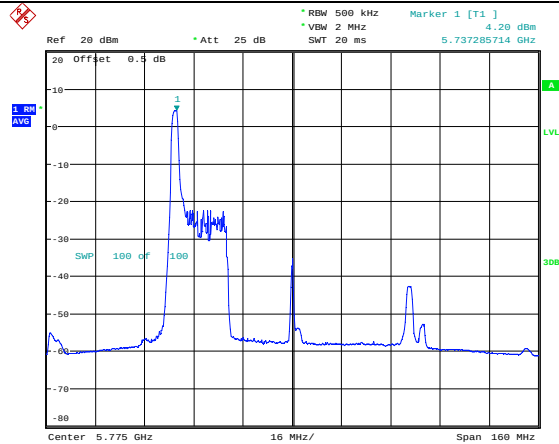
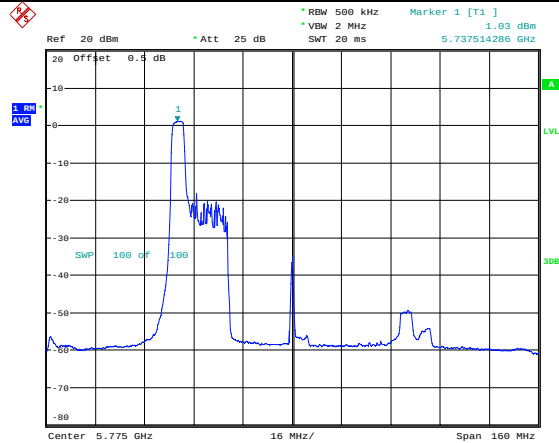
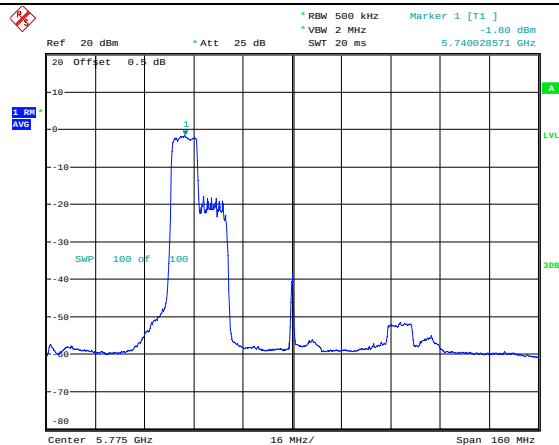
Date: 18.MAY.2023 22:28:47

802.11ax hew40
Highest Channel
(484/65)

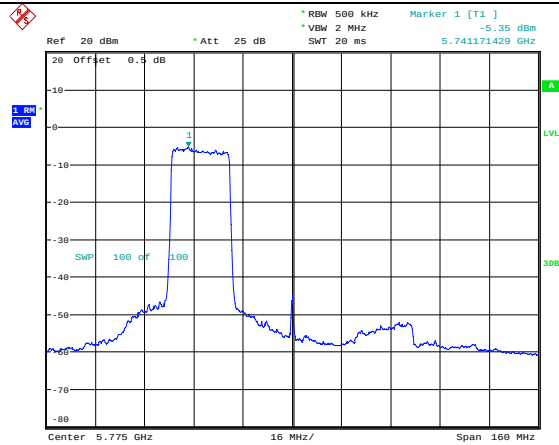


Date: 18.MAY.2023 22:29:45

Maximum power spectral density

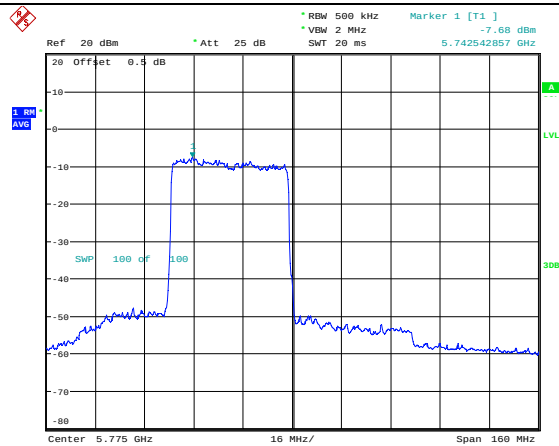
802.11ax hew80
Middle Channel
(26/0)802.11ax hew80
Middle Channel
(52/37)802.11ax hew80
Middle Channel
(106/53)

802.11ax hew80
Middle Channel
(242/61)



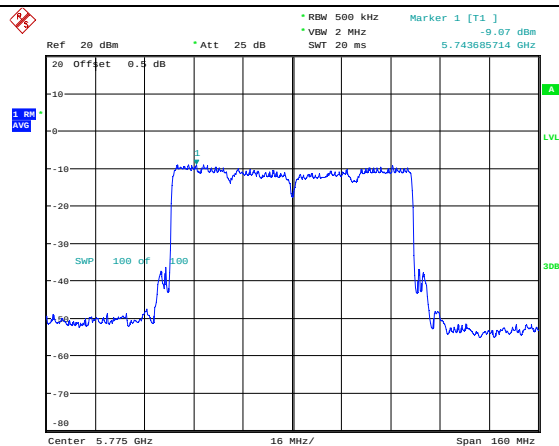
Date: 18.MAY.2023 22:36:15

802.11ax hew80
Middle Channel
(484/65)

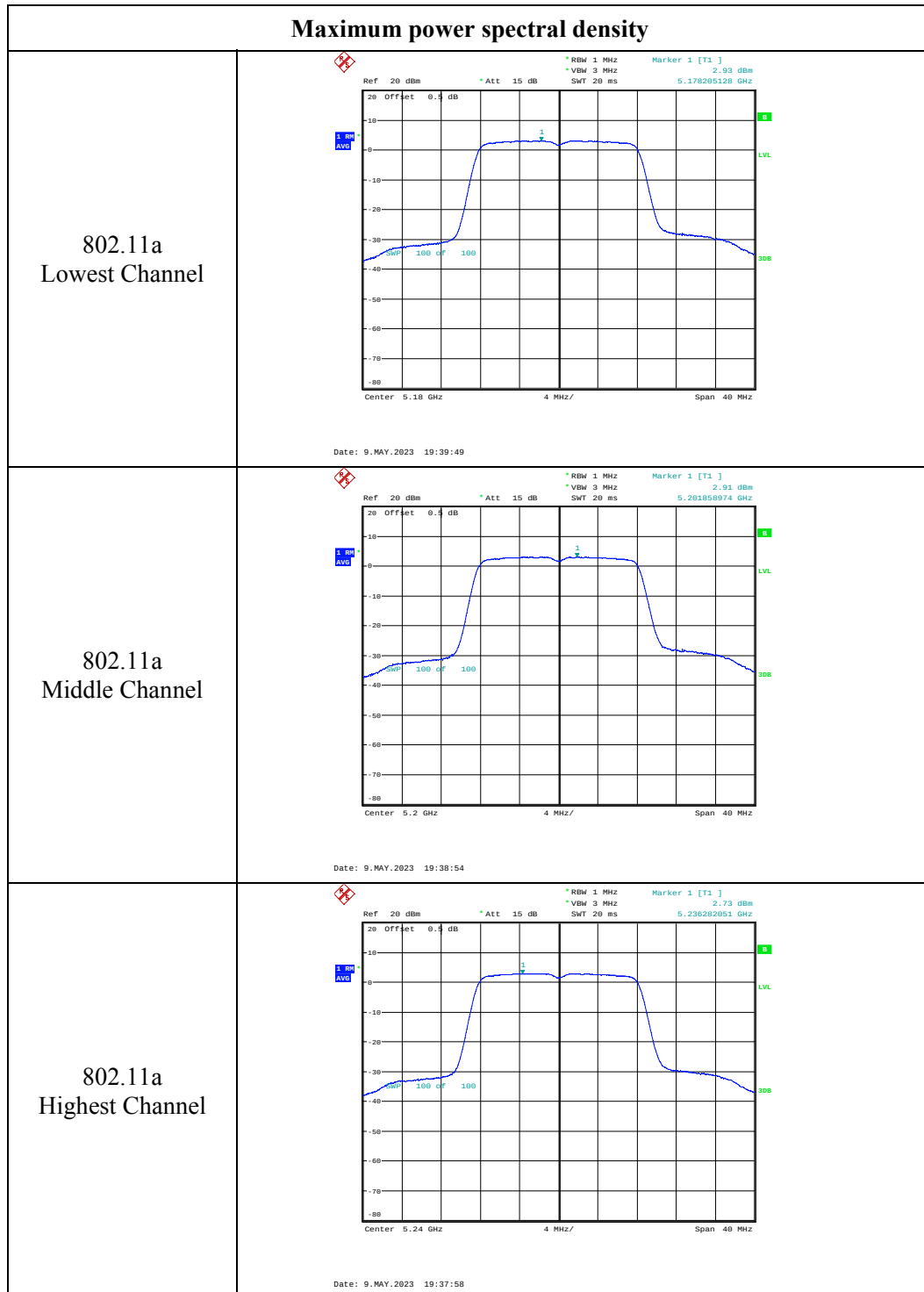


Date: 18.MAY.2023 22:37:11

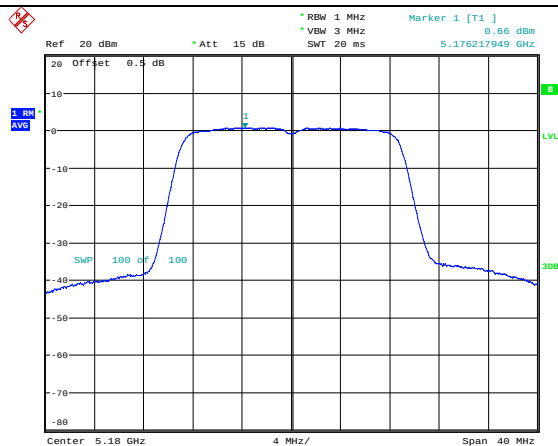
802.11ax hew80
Middle Channel
(996/67)



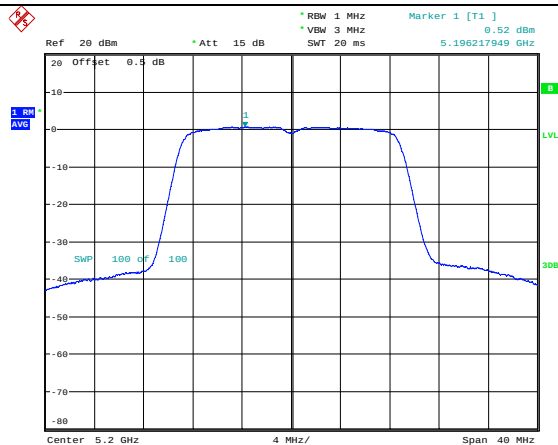
Date: 18.MAY.2023 22:38:09

**Chain 1:
5150-5250MHz:**

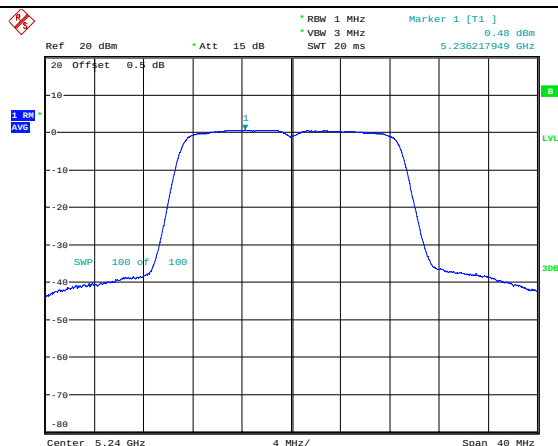
Maximum power spectral density

802.11n ht20
Lowest Channel

Date: 9.MAY.2023 19:36:54

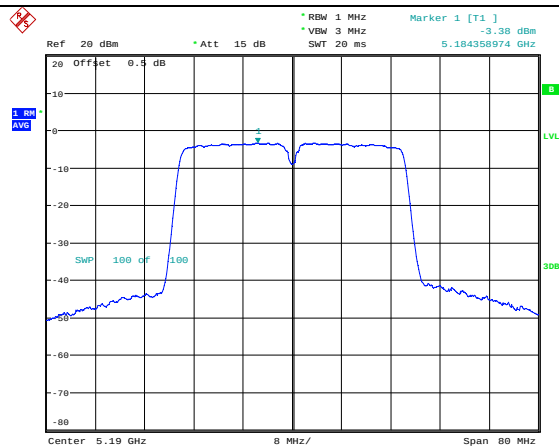
802.11n ht20
Middle Channel

Date: 9.MAY.2023 19:35:57

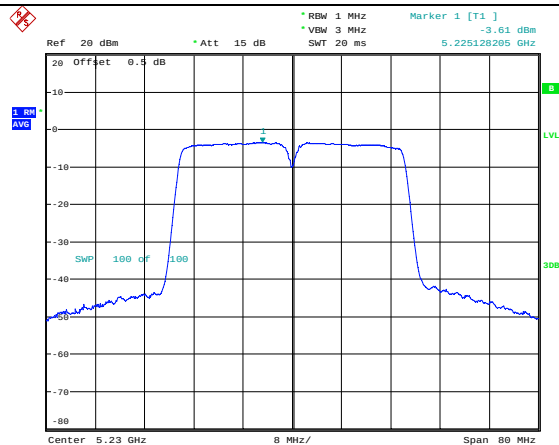
802.11n ht20
Highest Channel

Date: 9.MAY.2023 19:34:54

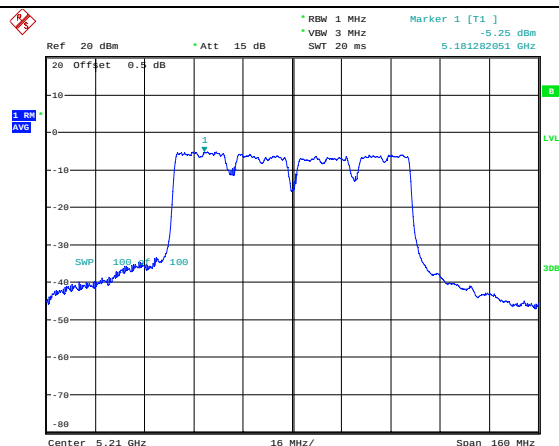
Maximum power spectral density

802.11n ht40
Lowest Channel

Date: 9.MAY.2023 19:32:15

802.11n ht40
Highest Channel

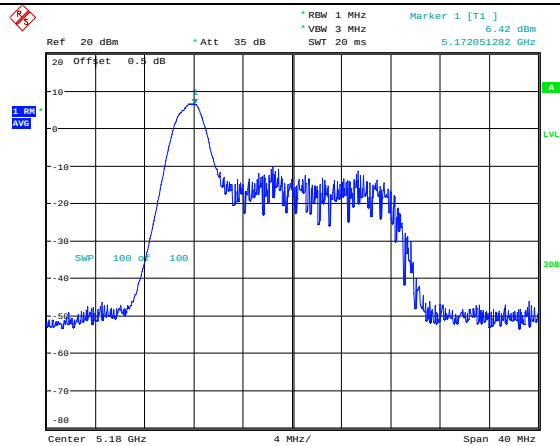
Date: 9.MAY.2023 19:38:52

802.11ac vht80
Middle Channel

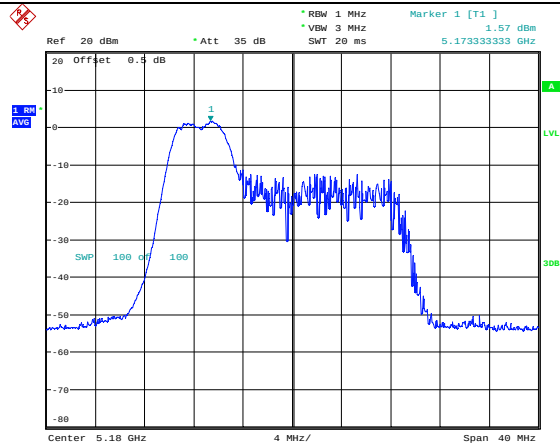
Date: 9.MAY.2023 19:29:33

Maximum power spectral density

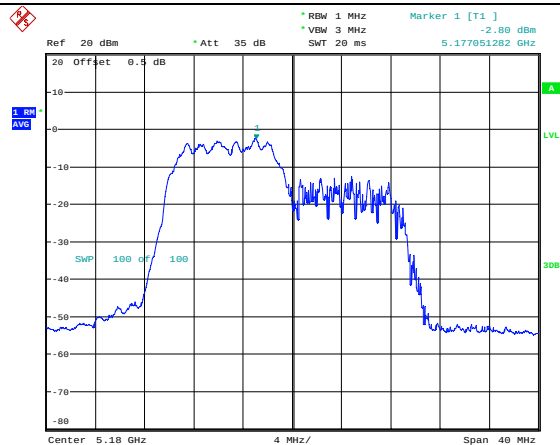
802.11ax hew20
Lowest Channel
(26/0)



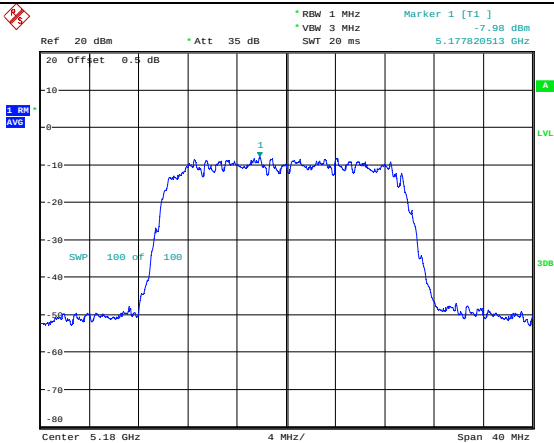
802.11ax hew20
Lowest Channel
(52/37)



802.11ax hew20
Lowest Channel
(106/53)

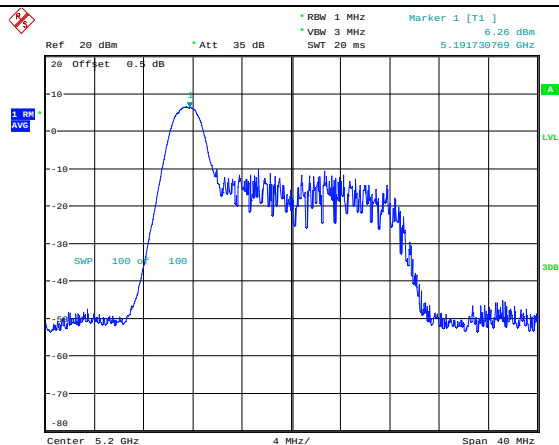


802.11ax hew20
Lowest Channel
(242/61)

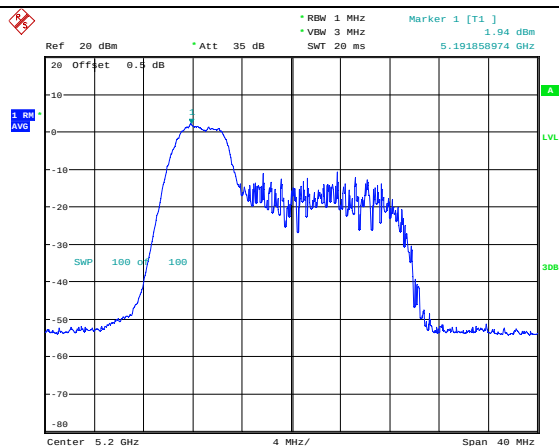


Date: 11.JUL.2023 11:33:56

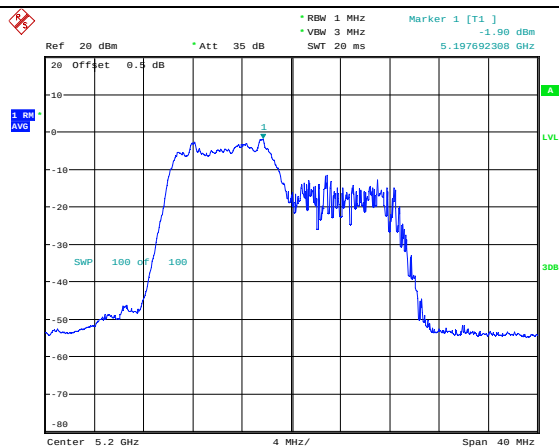
Maximum power spectral density

802.11ax hew20
Middle Channel
(26/0)

Date: 11.JUL.2023 11:41:08

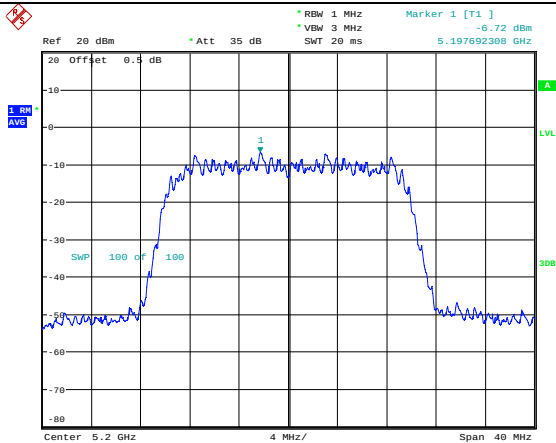
802.11ax hew20
Middle Channel
(52/37)

Date: 11.JUL.2023 11:43:44

802.11ax hew20
Middle Channel
(106/53)

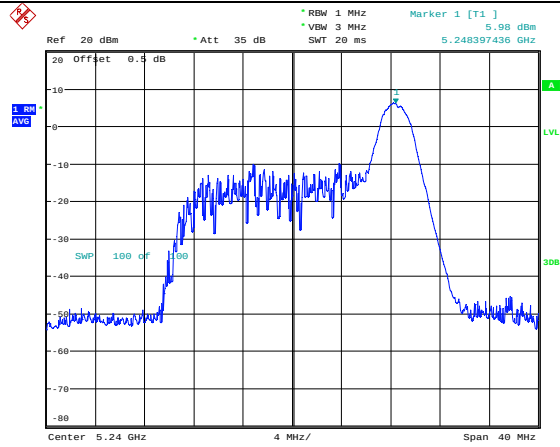
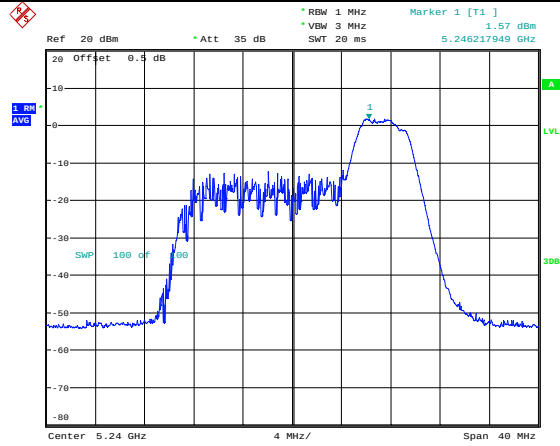
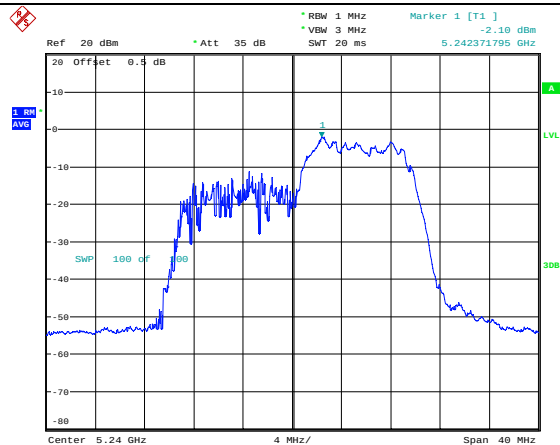
Date: 11.JUL.2023 11:45:42

802.11ax hew20
Middle Channel
(242/61)

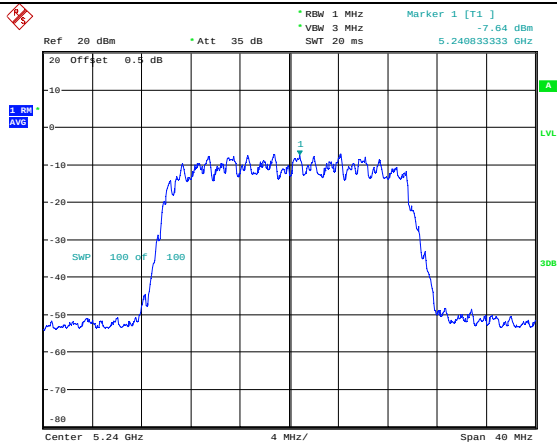


Date: 11.JUL.2023 11:47:01

Maximum power spectral density

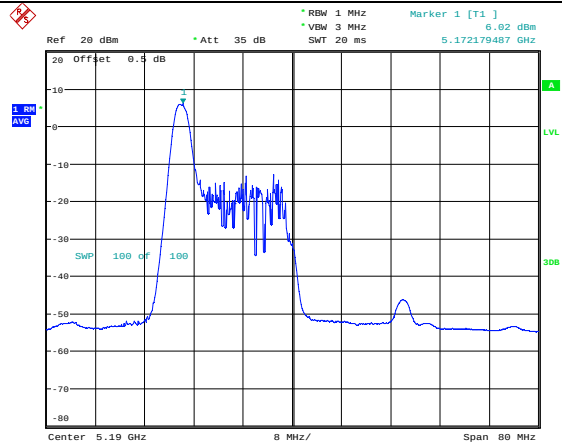
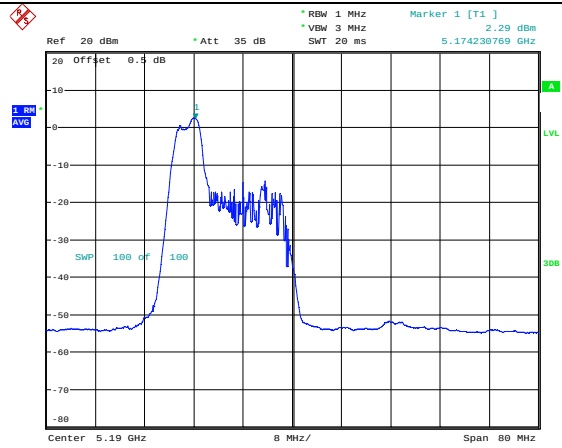
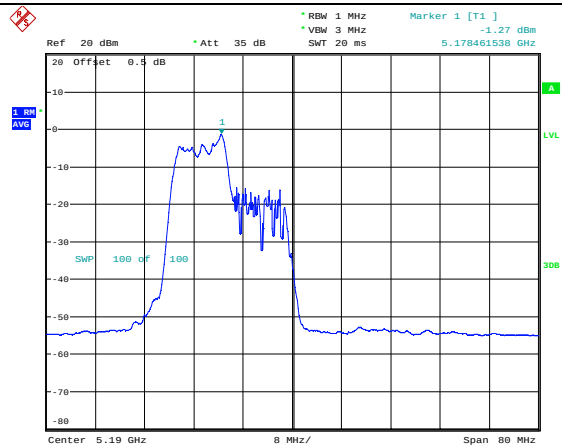
802.11ax hew20
Highest Channel
(26/8)802.11ax hew20
Highest Channel
(52/40)802.11ax hew20
Highest Channel
(106/54)

802.11ax hew20
Highest Channel
(242/61)

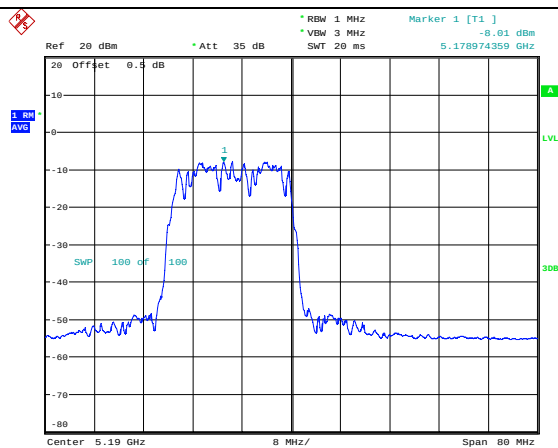


Date: 11.JUL.2023 13:35:35

Maximum power spectral density

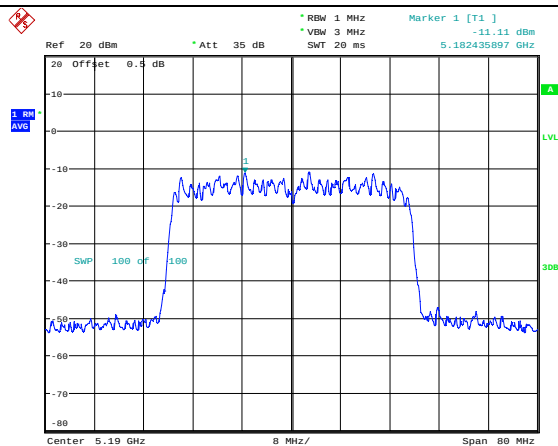
802.11ax hew40
Lowest Channel
(26/0)802.11ax hew40
Lowest Channel
(52/37)802.11ax hew40
Lowest Channel
(106/53)

802.11ax hew40
Lowest Channel
(242/61)



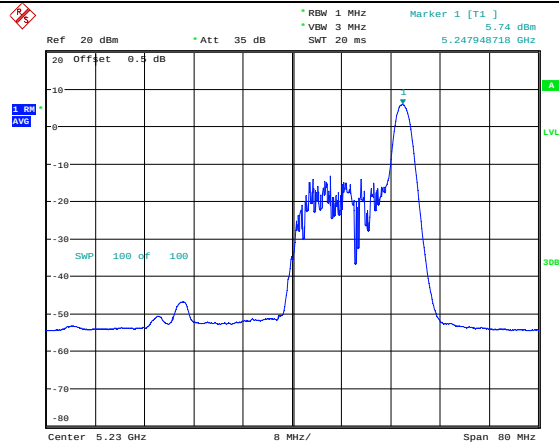
Date: 11.JUL.2023 13:48:56

802.11ax hew40
Lowest Channel
(484/65)

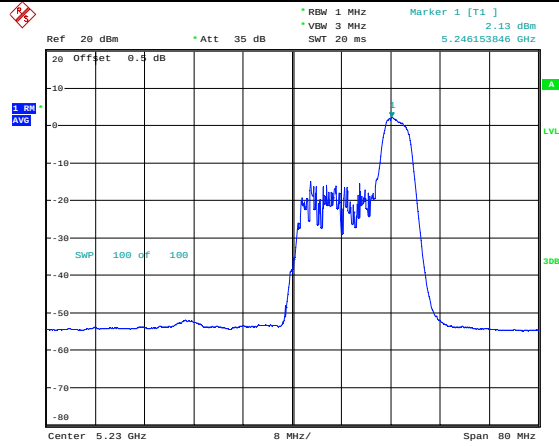


Date: 11.JUL.2023 13:47:49

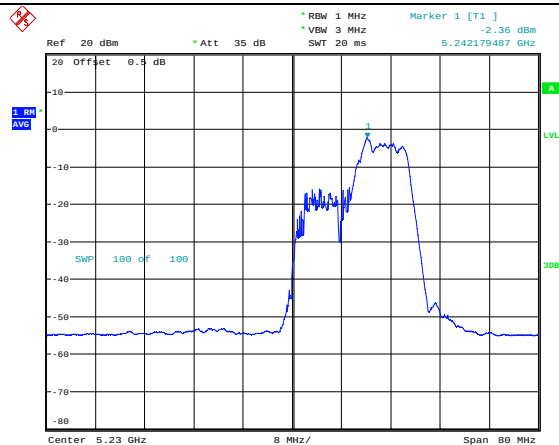
Maximum power spectral density

802.11ax hew40
Highest Channel
(26/17)

Date: 11.JUL.2023 13:54:37

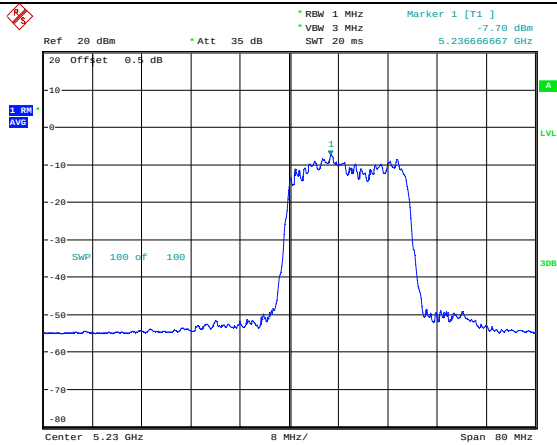
802.11ax hew40
Highest Channel
(52/44)

Date: 11.JUL.2023 14:05:04

802.11ax hew40
Highest Channel
(106/56)

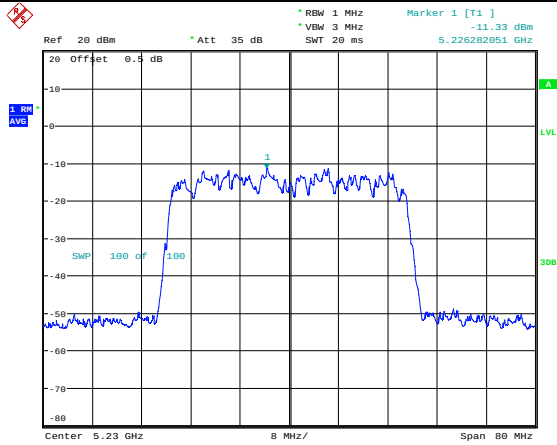
Date: 11.JUL.2023 14:06:18

802.11ax hew40
Highest Channel
(242/62)



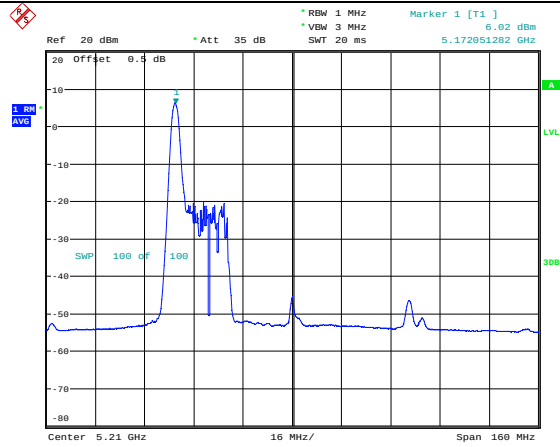
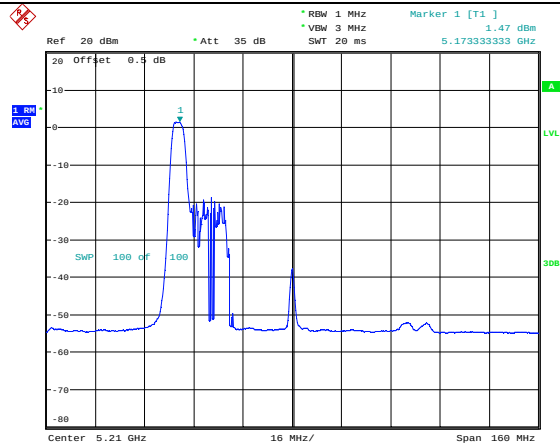
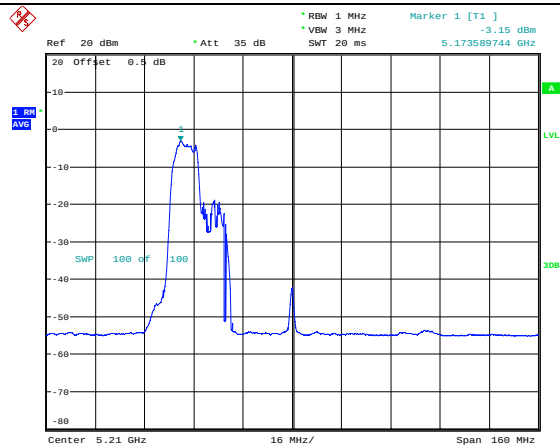
Date: 11.JUL.2023 14:07:43

802.11ax hew40
Highest Channel
(484/65)

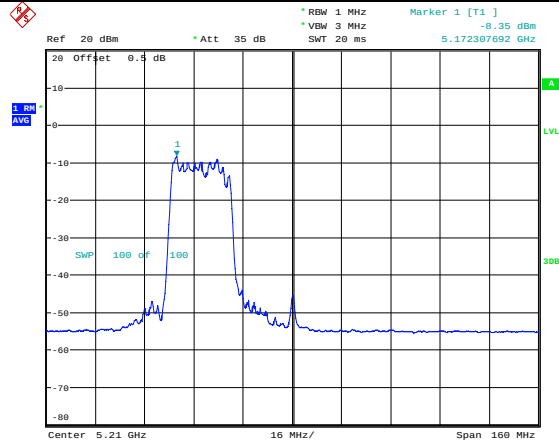


Date: 11.JUL.2023 14:09:10

Maximum power spectral density

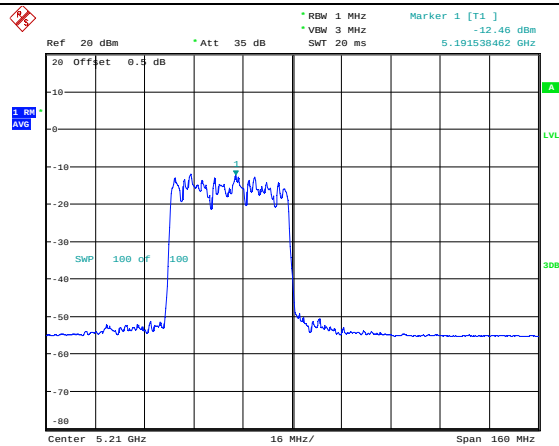
802.11ax hew80
Middle Channel
(26/0)802.11ax hew80
Middle Channel
(52/37)802.11ax hew80
Middle Channel
(106/53)

802.11ax hew80
Middle Channel
(242/61)



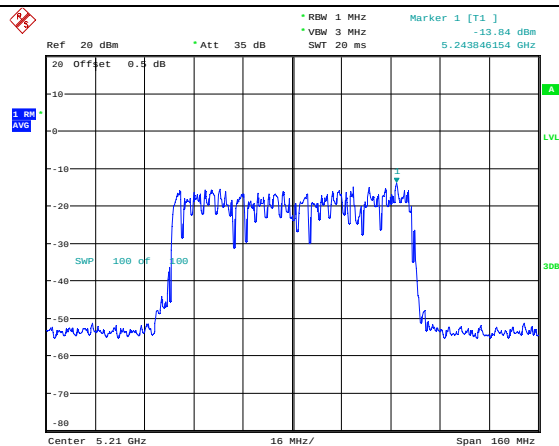
Date: 11.JUL.2023 14:36:25

802.11ax hew80
Middle Channel
(484/65)



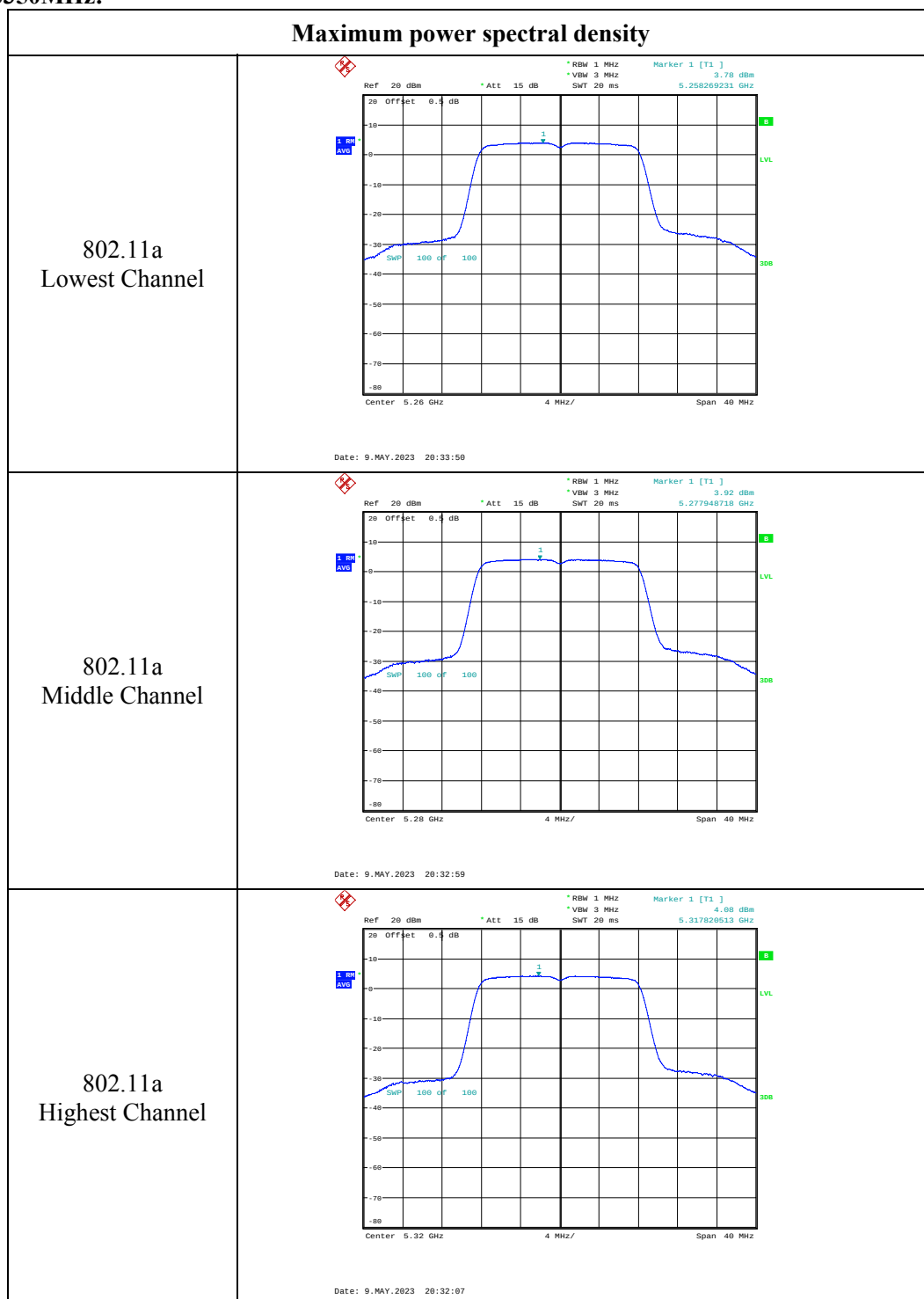
Date: 11.JUL.2023 14:33:44

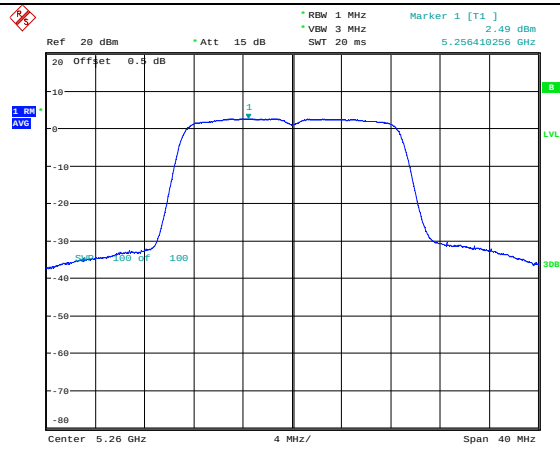
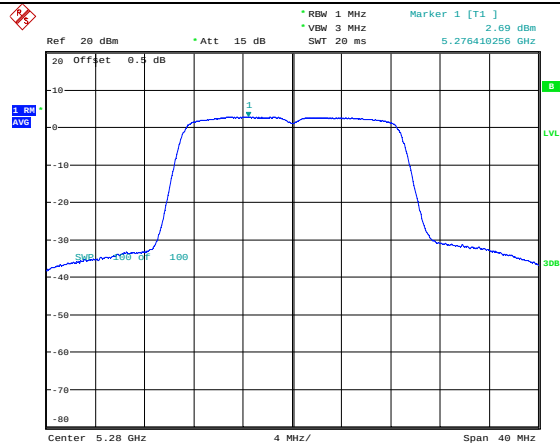
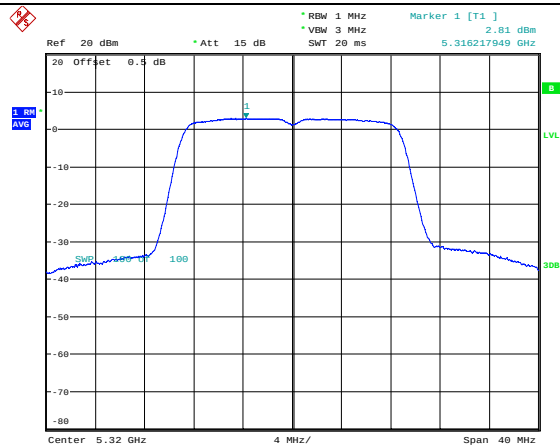
802.11ax hew80
Middle Channel
(996/67)



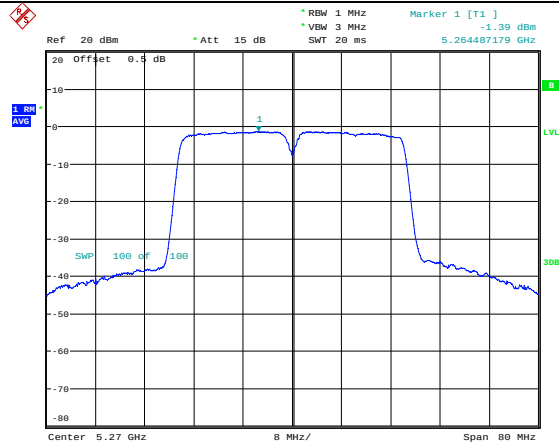
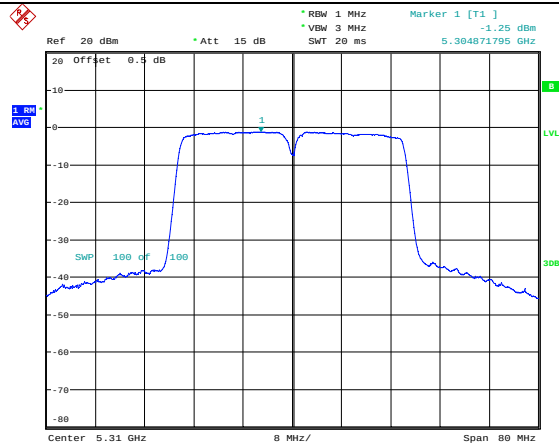
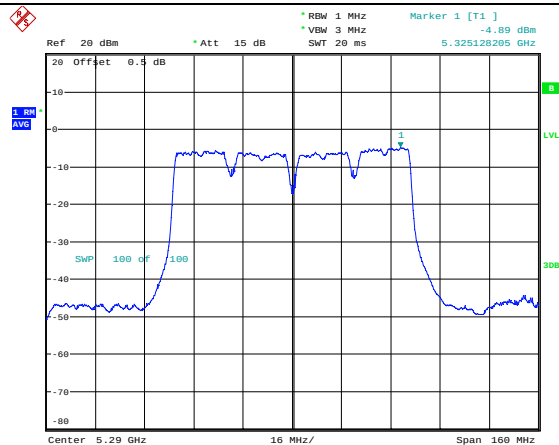
Date: 11.JUL.2023 14:26:10

5250-5350MHz:



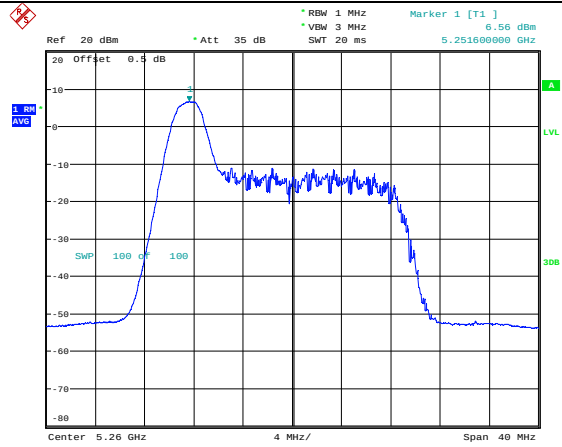
Maximum power spectral density802.11n ht20
Lowest Channel802.11n ht20
Middle Channel802.11n ht20
Highest Channel

Maximum power spectral density

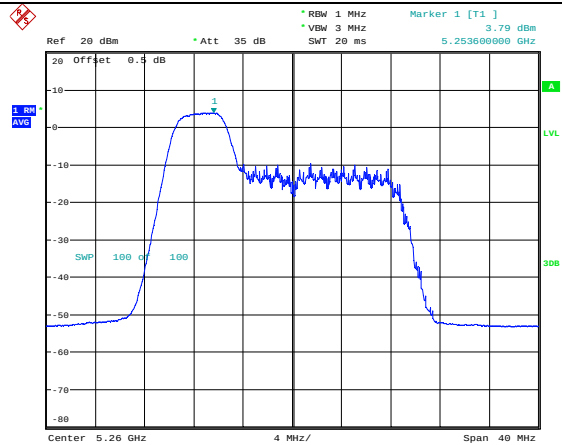
802.11n ht40
Lowest Channel802.11n ht40
Highest Channel802.11ac vht80
Middle Channel

Maximum power spectral density

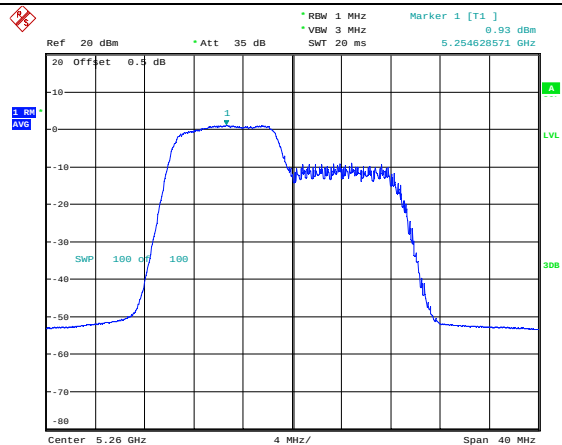
802.11ax hew20
Lowest Channel
(26/0)



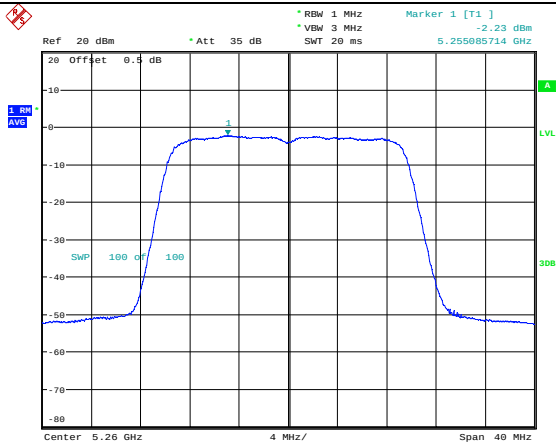
802.11ax hew20
Lowest Channel
(52/37)



802.11ax hew20
Lowest Channel
(106/53)

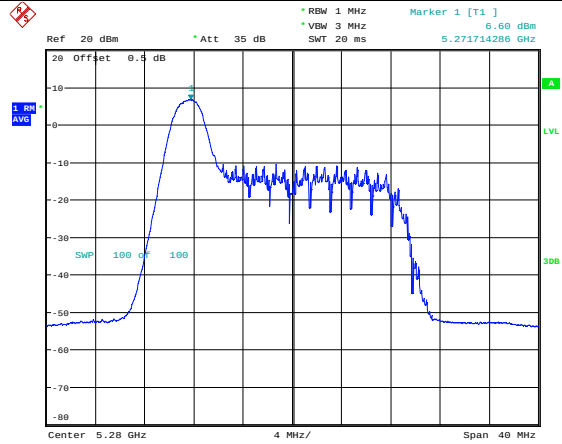


802.11ax hew20
Lowest Channel
(242/61)

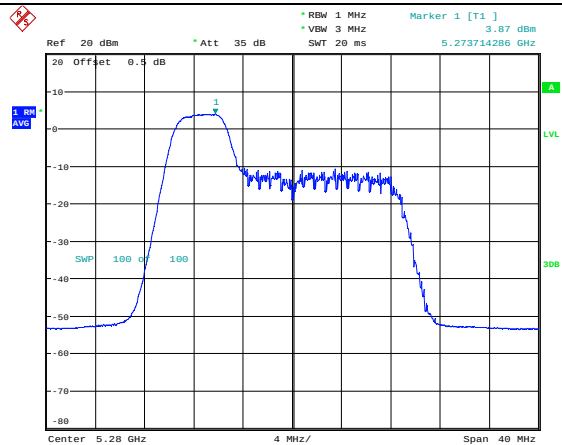


Date: 16.MAY.2023 23:24:35

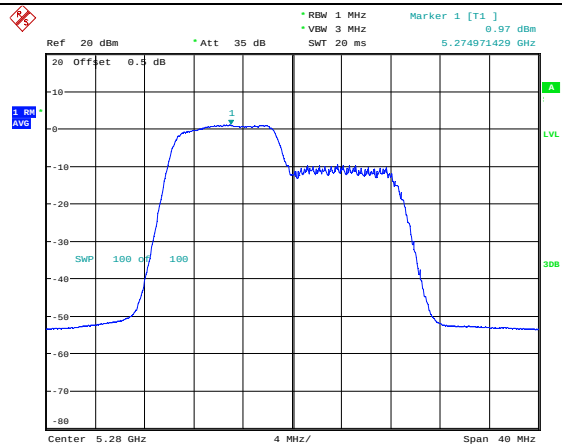
Maximum power spectral density

802.11ax hew20
Middle Channel
(26/0)

Date: 16.MAY.2023 23:26:32

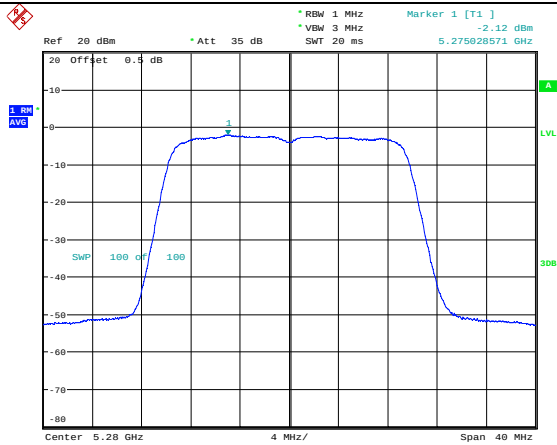
802.11ax hew20
Middle Channel
(52/37)

Date: 16.MAY.2023 23:27:35

802.11ax hew20
Middle Channel
(106/53)

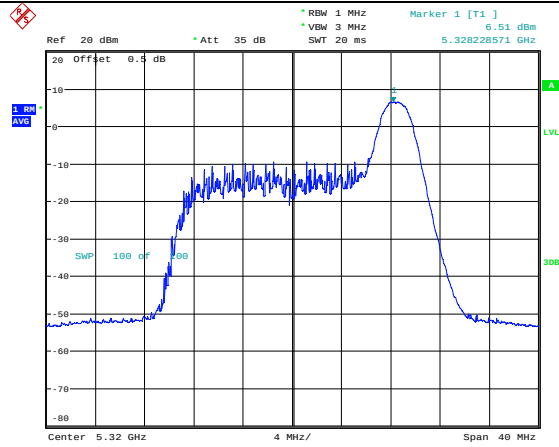
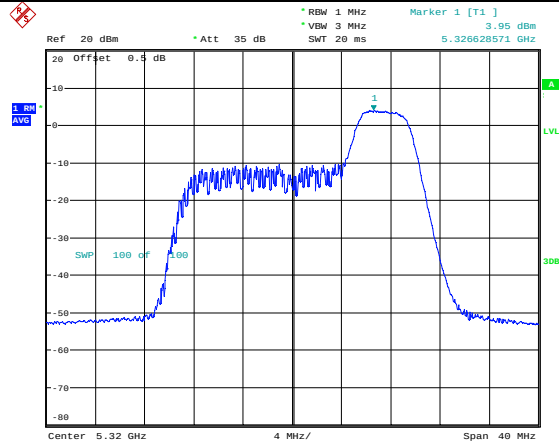
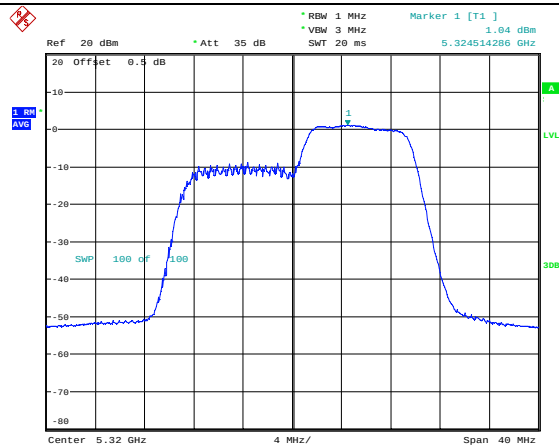
Date: 16.MAY.2023 23:28:39

802.11ax hew20
Middle Channel
(242/61)

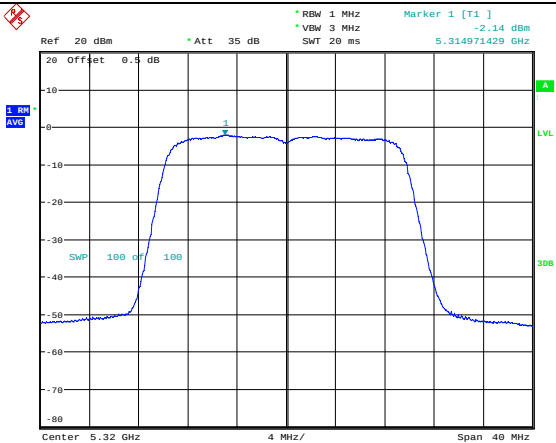


Date: 16.MAY.2023 23:29:35

Maximum power spectral density

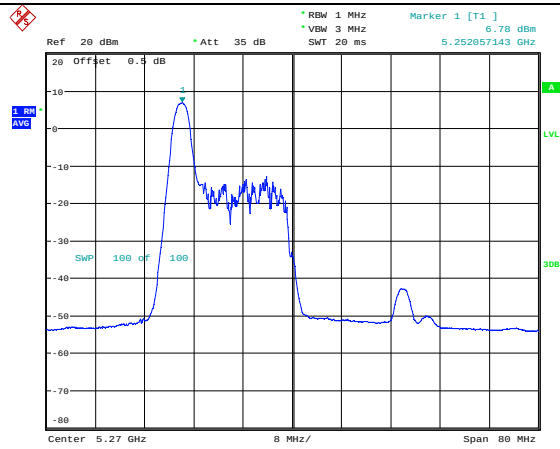
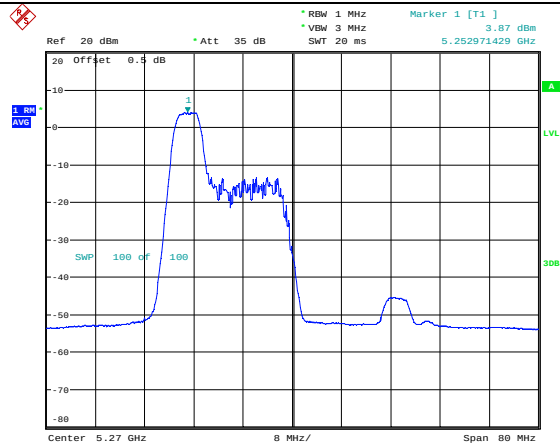
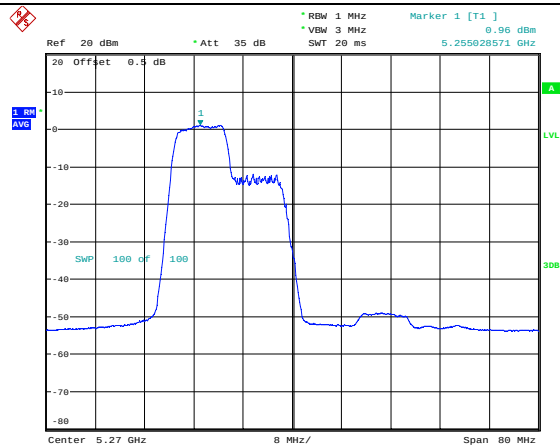
802.11ax hew20
Highest Channel
(26/8)802.11ax hew20
Highest Channel
(52/40)802.11ax hew20
Highest Channel
(106/54)

802.11ax hew20
Highest Channel
(242/61)

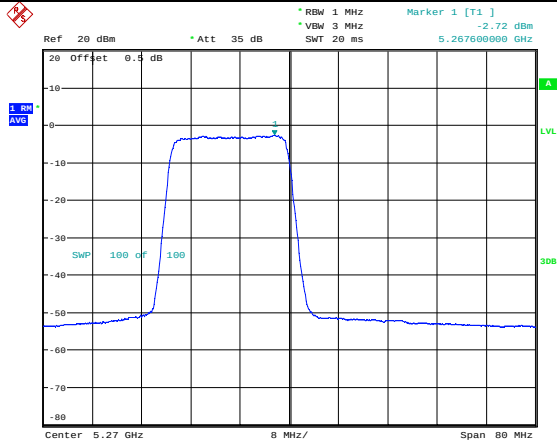


Date: 16.MAY.2023 23:36:04

Maximum power spectral density

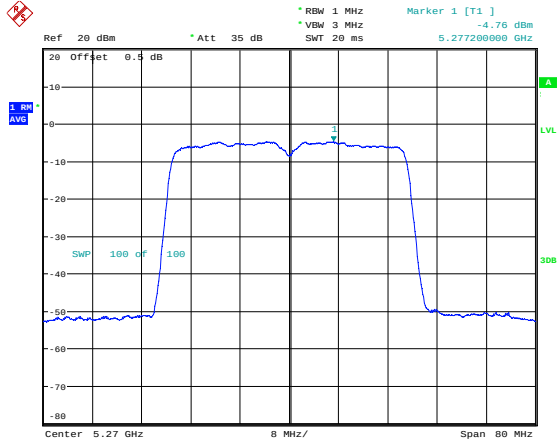
802.11ax hew40
Lowest Channel
(26/0)802.11ax hew40
Lowest Channel
(52/37)802.11ax hew40
Lowest Channel
(106/53)

802.11ax hew40
Lowest Channel
(242/61)



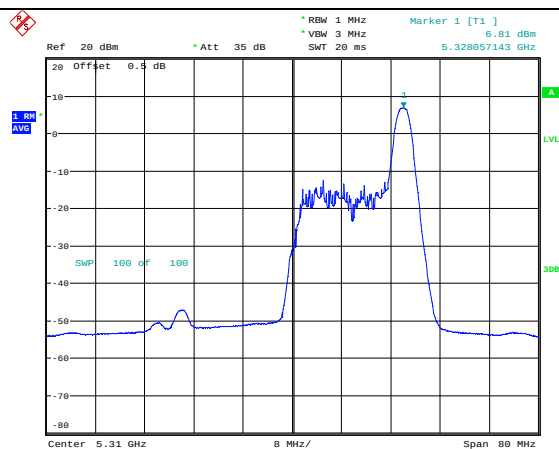
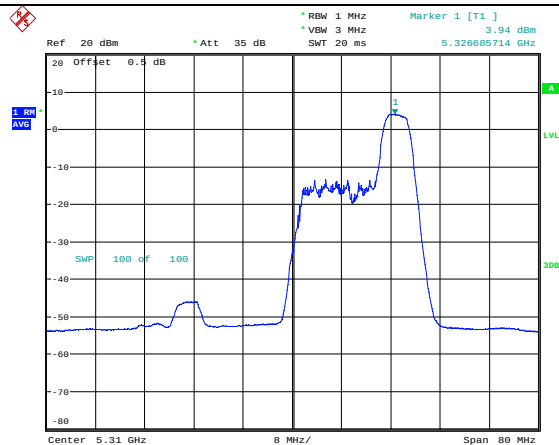
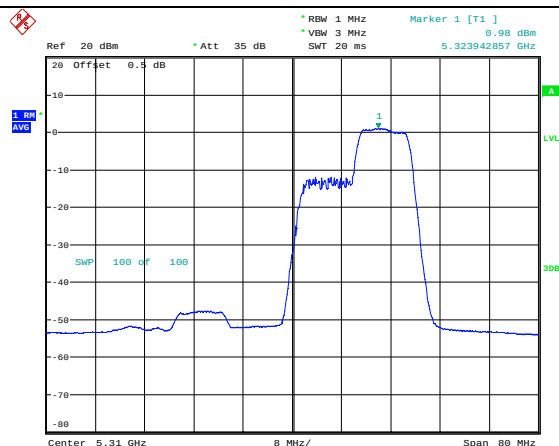
Date: 16.MAY.2023 23:47:55

802.11ax hew40
Lowest Channel
(484/65)

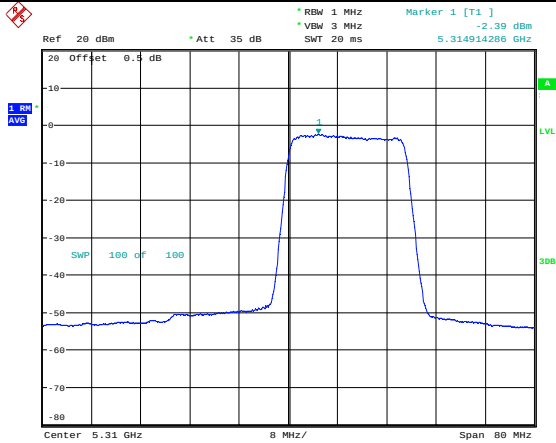


Date: 16.MAY.2023 23:49:16

Maximum power spectral density

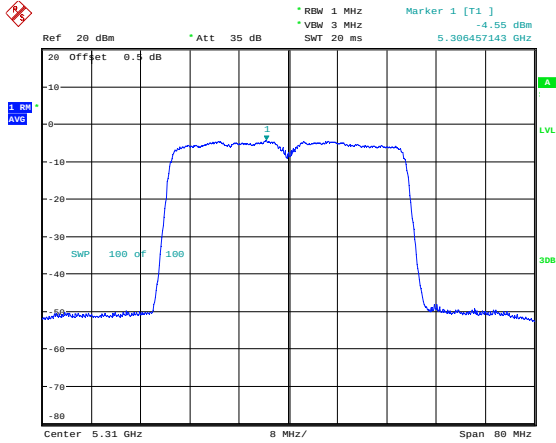
802.11ax hew40
Highest Channel
(26/17)802.11ax hew40
Highest Channel
(52/44)802.11ax hew40
Highest Channel
(106/56)

802.11ax hew40
Highest Channel
(242/62)



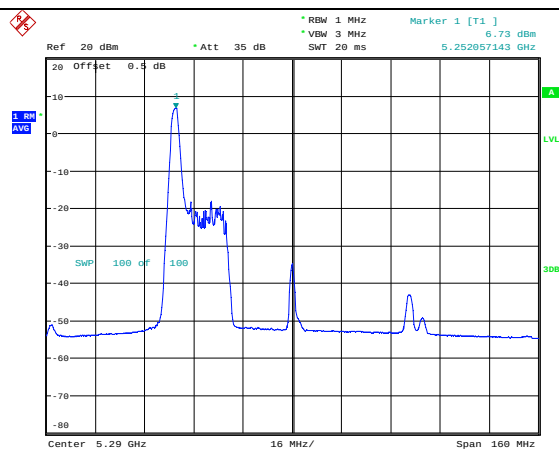
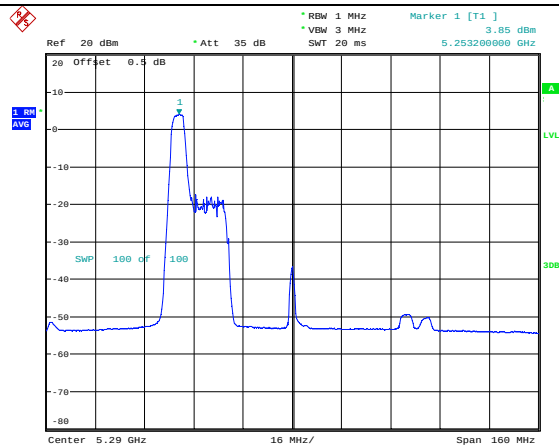
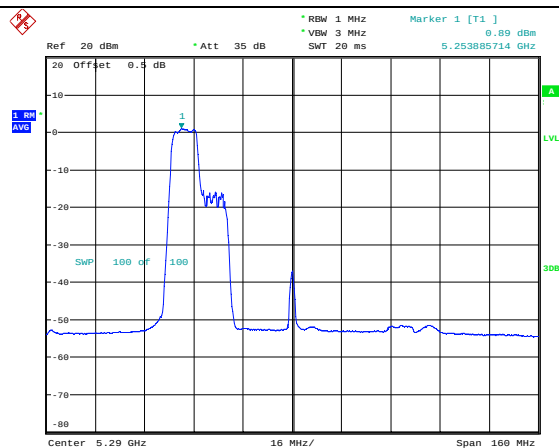
Date: 16.MAY.2023 23:57:37

802.11ax hew40
Highest Channel
(484/65)

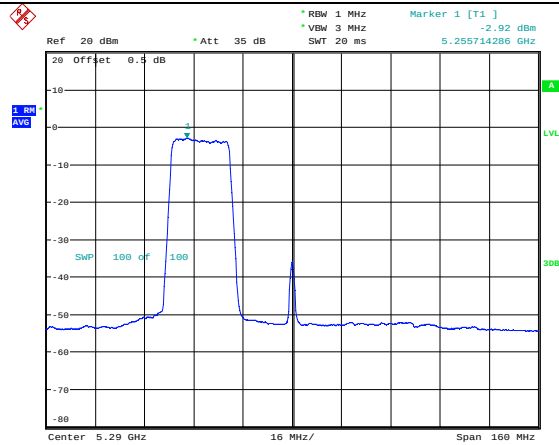


Date: 16.MAY.2023 23:58:46

Maximum power spectral density

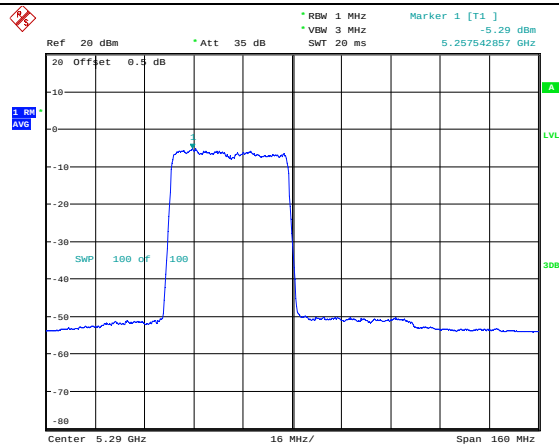
802.11ax hew80
Middle Channel
(26/0)802.11ax hew80
Middle Channel
(52/37)802.11ax hew80
Middle Channel
(106/53)

802.11ax hew80
Middle Channel
(242/61)



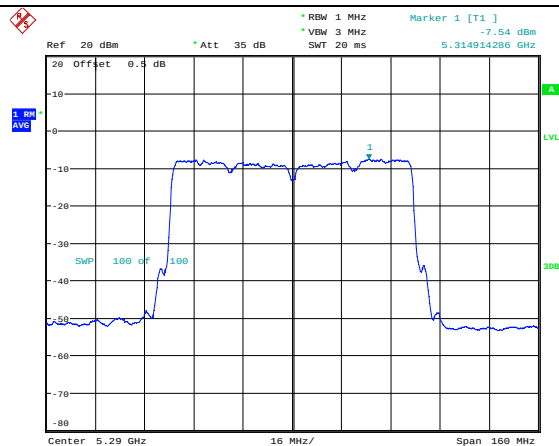
Date: 17.MAY.2023 00:04:51

802.11ax hew80
Middle Channel
(484/65)



Date: 17.MAY.2023 00:06:13

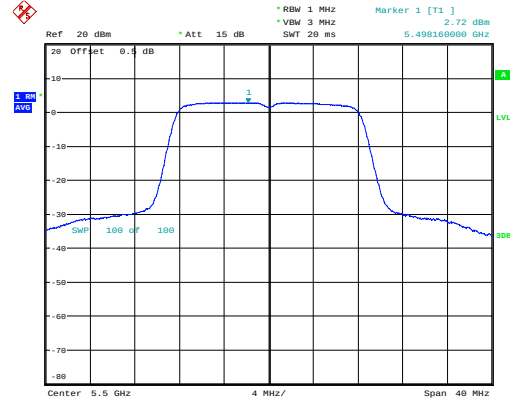
802.11ax hew80
Middle Channel
(996/67)



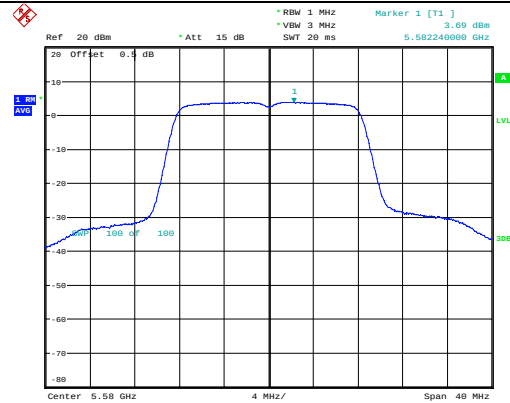
Date: 17.MAY.2023 00:07:11

5470-5725 MHz:

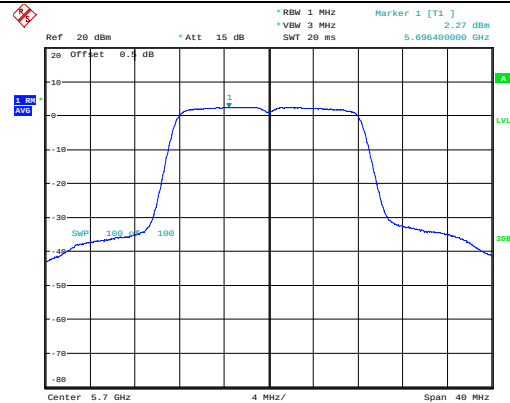
Maximum power spectral density

802.11a
5500MHz

Date: 10.MAY.2023 19:34:56

802.11a
5580MHz

Date: 10.MAY.2023 19:37:03

802.11a
5700MHz

Date: 10.MAY.2023 19:38:05

Ref 20 dBm 0.5 dB

* RBW 1 MHz

* VBW 3 MHz

SWT 20 ns

Marker 1 [T1]

2.27 dBm

5.71766800 GHz

20 Off-set 0.5 dB

1

SNP 100 OF 100

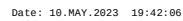
Center 5.72 GHz

4 MHz/

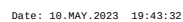
Span 40 MHz

Date: 10.MAY.2023 19:39:08

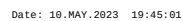
802.11n ht20
5500MHz



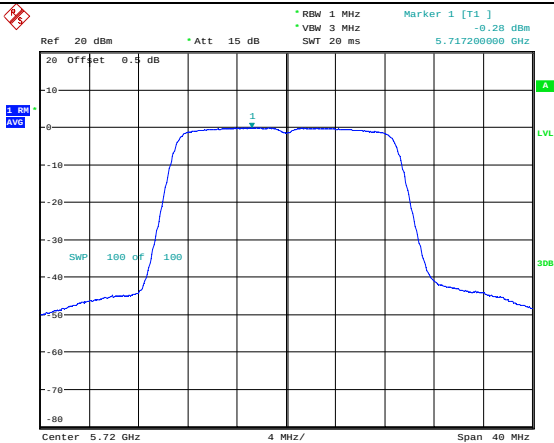
802.11n ht20
5580MHz



802.11n ht20
5700MHz

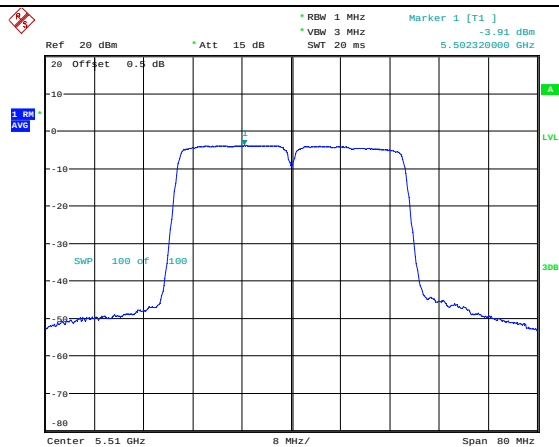


802.11n ht20
5720MHz

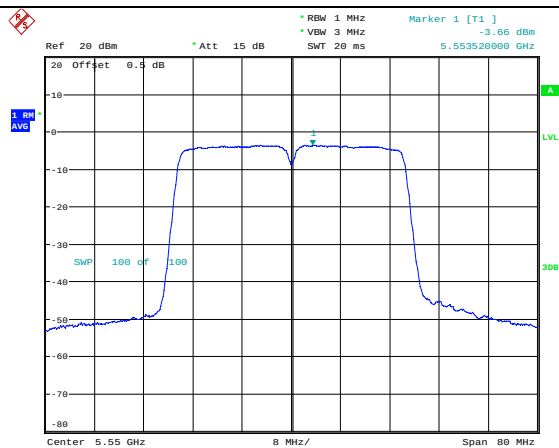


Date: 10.MAY.2023 19:46:07

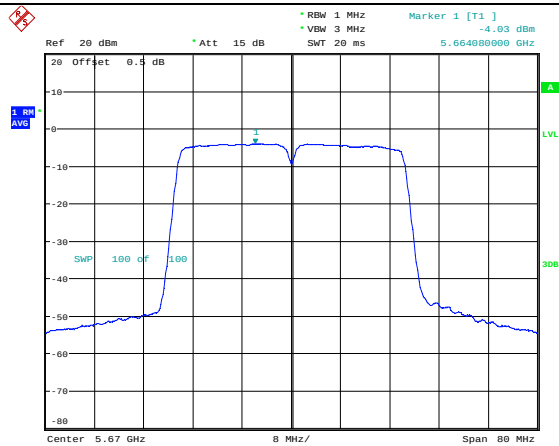
Maximum power spectral density

802.11n ht40
5510MHz

Date: 10.MAY.2023 19:48:46

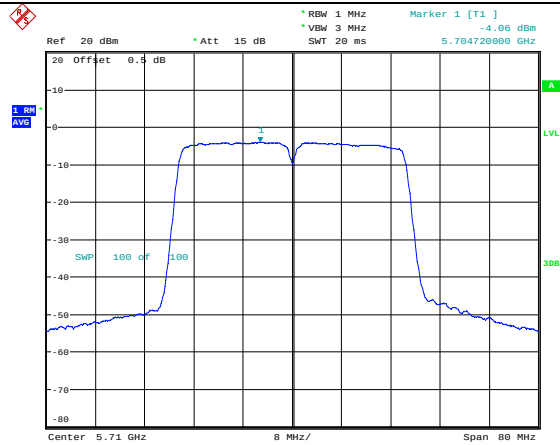
802.11n ht40
5550MHz

Date: 10.MAY.2023 19:50:55

802.11n ht40
5670MHz

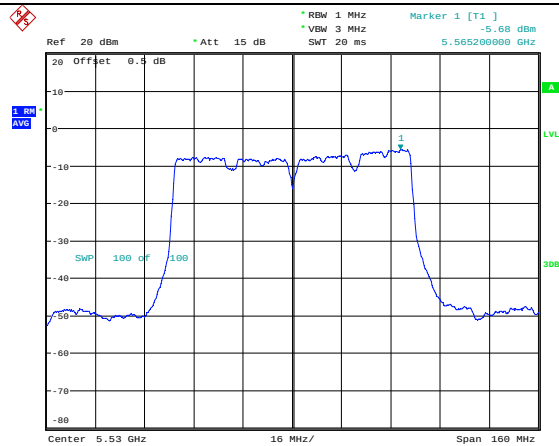
Date: 10.MAY.2023 19:52:14

802.11n ht40
5710MHz

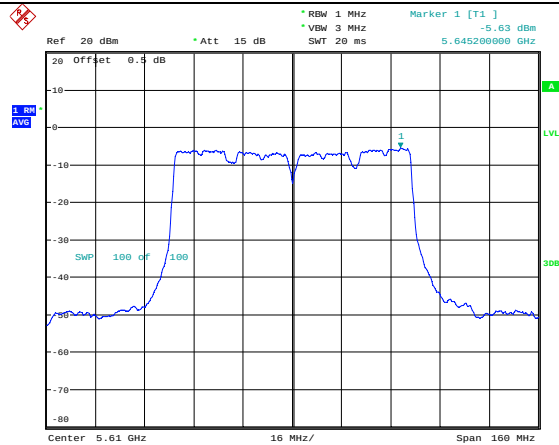


Date: 10.MAY.2023 19:54:34

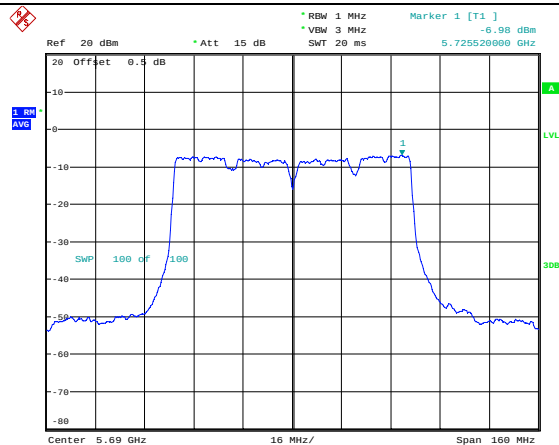
Maximum power spectral density

802.11ac vht80
5530MHz

Date: 10.MAY.2023 19:57:09

802.11ac vht80
5610MHz

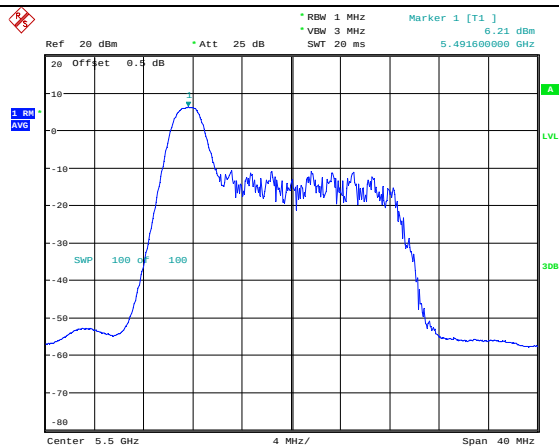
Date: 10.MAY.2023 19:58:46

802.11ac vht80
5690MHz

Date: 10.MAY.2023 19:59:59

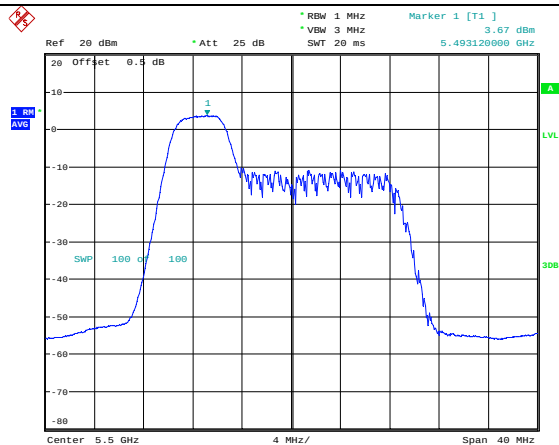
Maximum power spectral density

802.11ax hew20
Lowest Channel
(26/0)



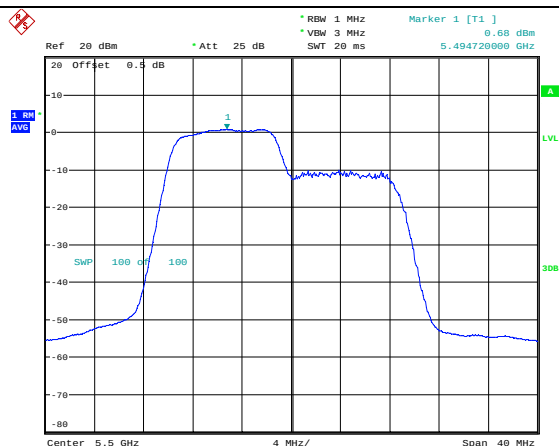
Date: 17.MAY.2023 22:35:44

802.11ax hew20
Lowest Channel
(52/37)



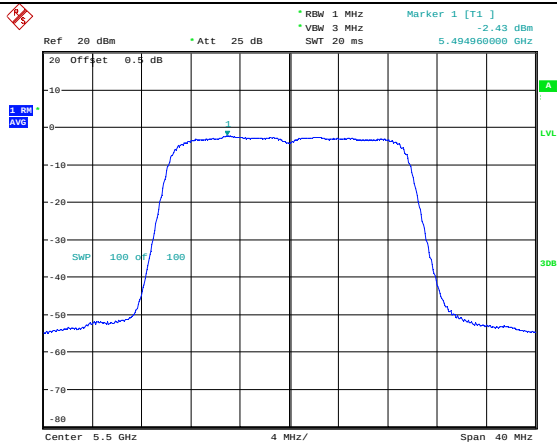
Date: 17.MAY.2023 22:36:48

802.11ax hew20
Lowest Channel
(106/53)



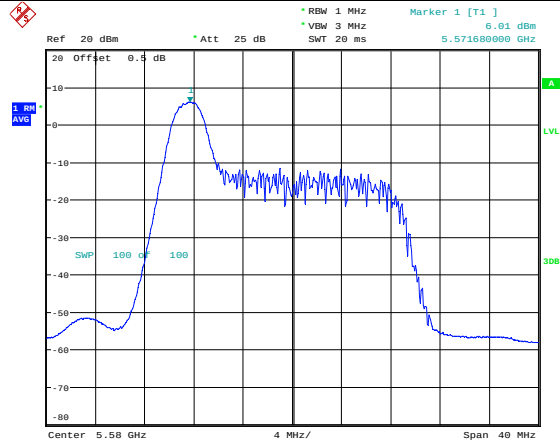
Date: 17.MAY.2023 22:37:56

802.11ax hew20
Lowest Channel
(242/61)

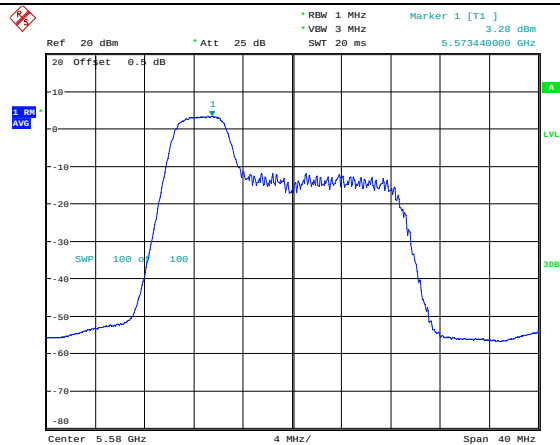


Date: 17.MAY.2023 22:40:02

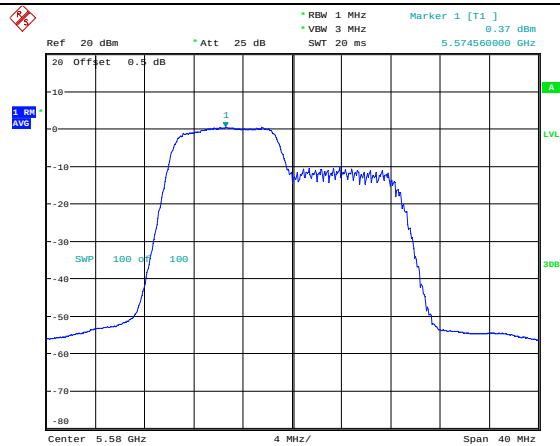
Maximum power spectral density

802.11ax hew20
Middle Channel
(26/0)

Date: 17.MAY.2023 22:41:33

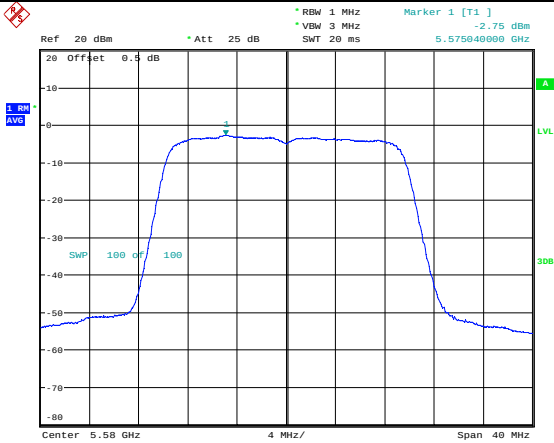
802.11ax hew20
Middle Channel
(52/37)

Date: 17.MAY.2023 22:42:27

802.11ax hew20
Middle Channel
(106/53)

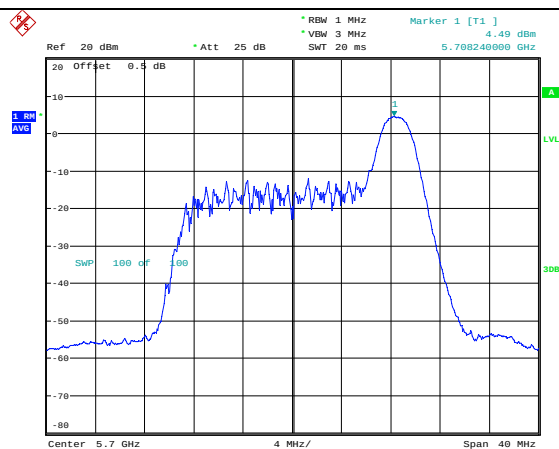
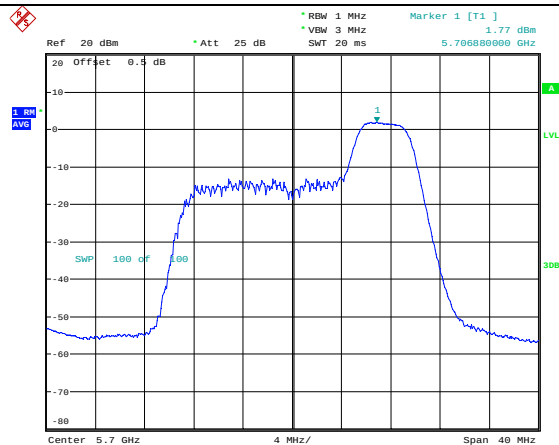
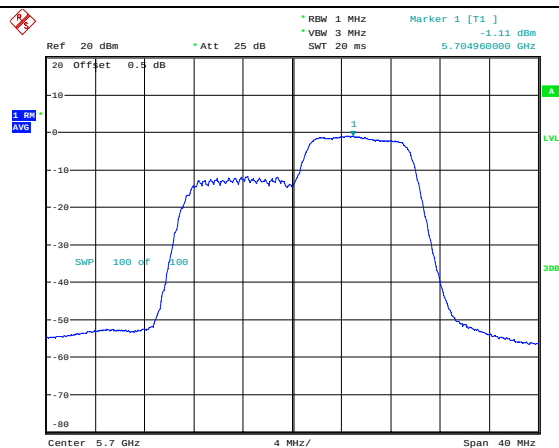
Date: 17.MAY.2023 22:43:15

802.11ax hew20
Middle Channel
(242/61)

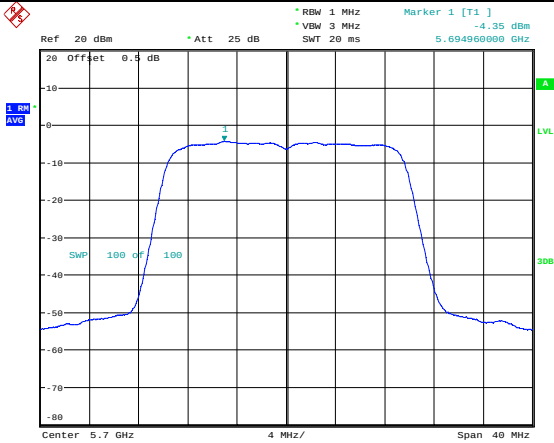


Date: 17.MAY.2023 22:44:55

Maximum power spectral density

802.11ax hew20
Highest Channel
(26/8)802.11ax hew20
Highest Channel
(52/40)802.11ax hew20
Highest Channel
(106/54)

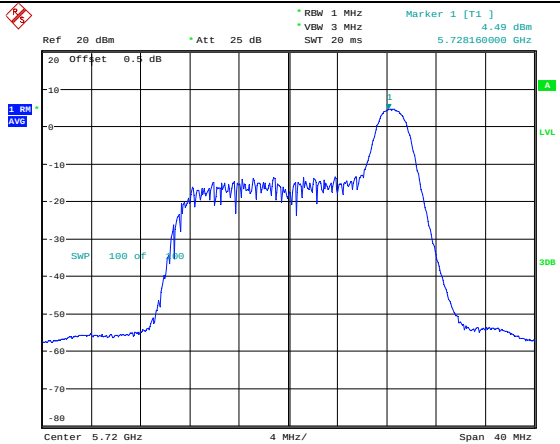
802.11ax hew20
Highest Channel
(242/61)



Date: 17.MAY.2023 22:51:05

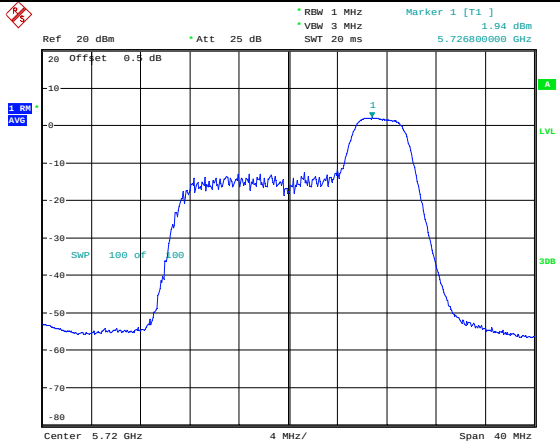
Maximum power spectral density

802.11ax hew20
Highest Channel
(26/8)



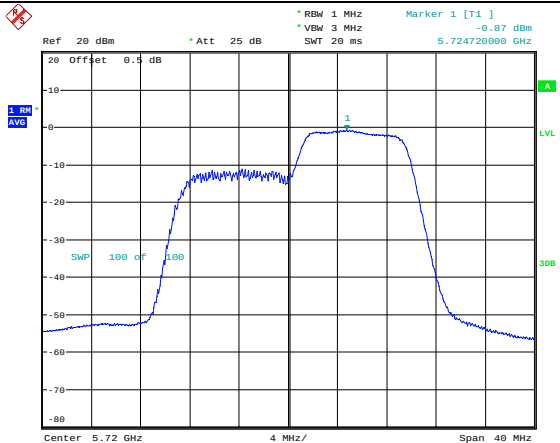
Date: 17.MAY.2023 22:54:04

802.11ax hew20
Highest Channel
(52/40)



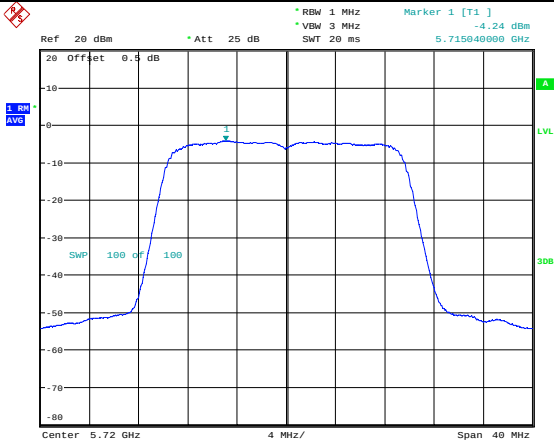
Date: 17.MAY.2023 22:55:44

802.11ax hew20
Highest Channel
(106/54)



Date: 17.MAY.2023 22:56:45

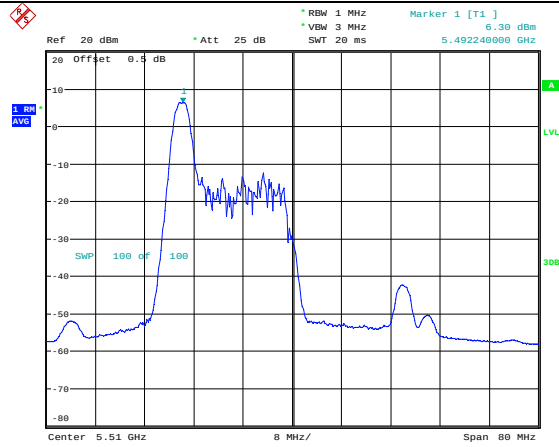
802.11ax hew20
Highest Channel
(242/61)



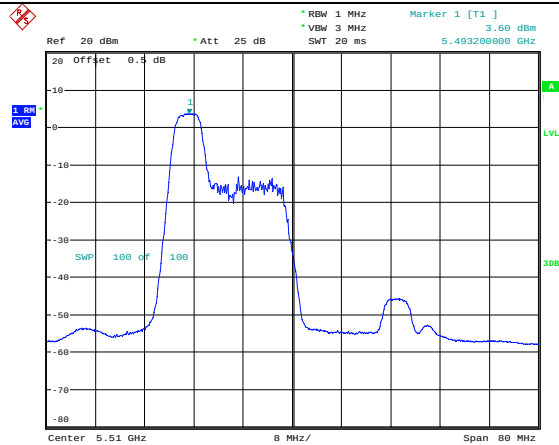
Date: 17.MAY.2023 22:58:06

Maximum power spectral density

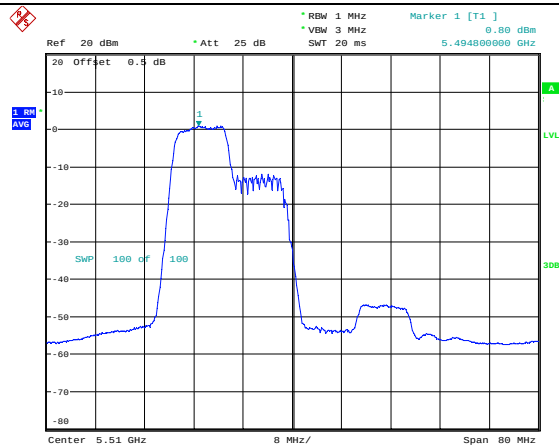
802.11ax hew40
Lowest Channel
(26/0)



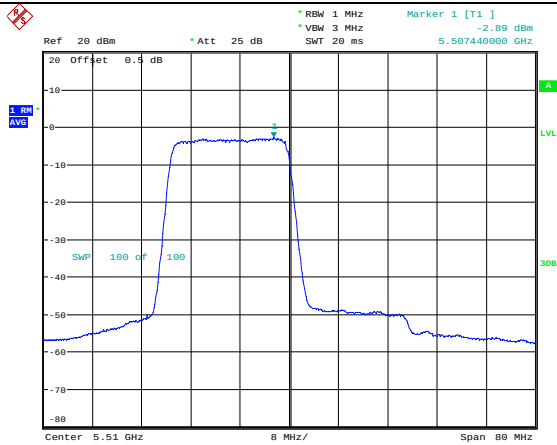
802.11ax hew40
Lowest Channel
(52/37)



802.11ax hew40
Lowest Channel
(106/53)

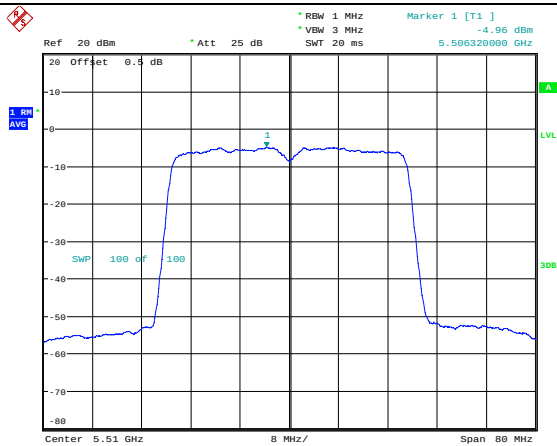


802.11ax hew40
Lowest Channel
(242/61)



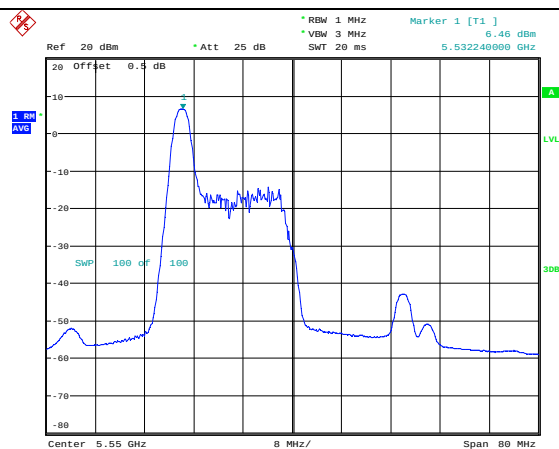
Date: 17.MAY.2023 23:04:48

802.11ax hew40
Lowest Channel
(484/65)

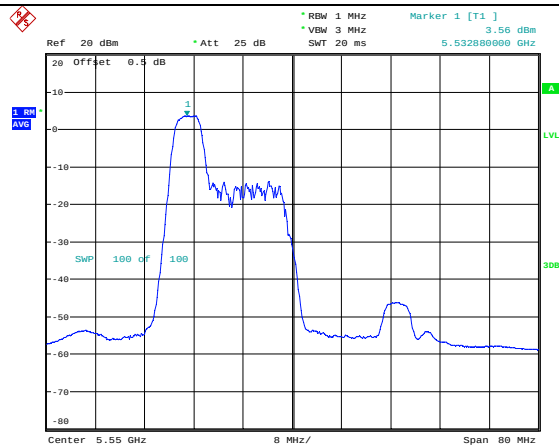


Date: 17.MAY.2023 23:06:21

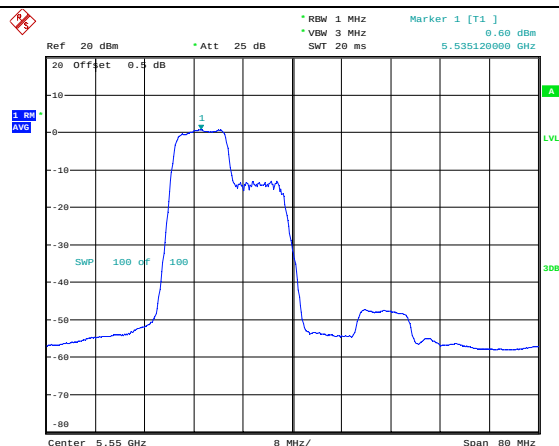
Maximum power spectral density

802.11ax hew40
Middle Channel
(26/0)

Date: 17.MAY.2023 23:00:04

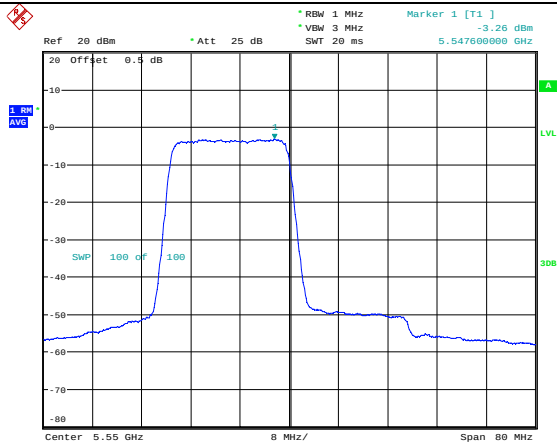
802.11ax hew40
Middle Channel
(52/37)

Date: 17.MAY.2023 23:00:02

802.11ax hew40
Middle Channel
(106/53)

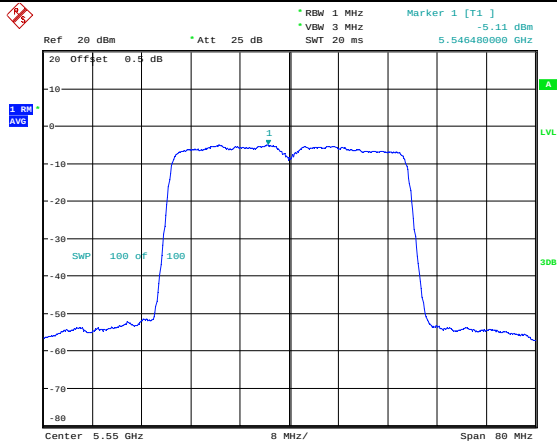
Date: 17.MAY.2023 23:10:03

802.11ax hew40
Middle Channel
(242/61)



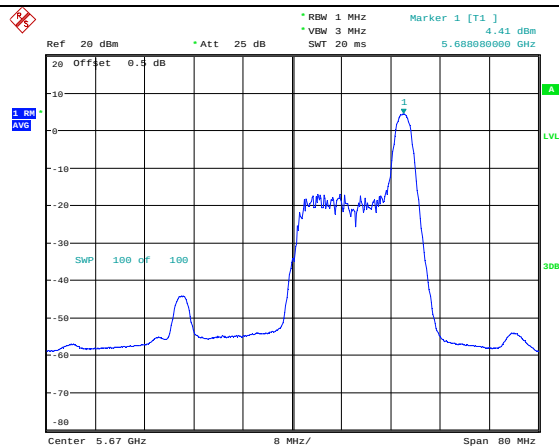
Date: 17.MAY.2023 23:10:50

802.11ax hew40
Middle Channel
(484/65)

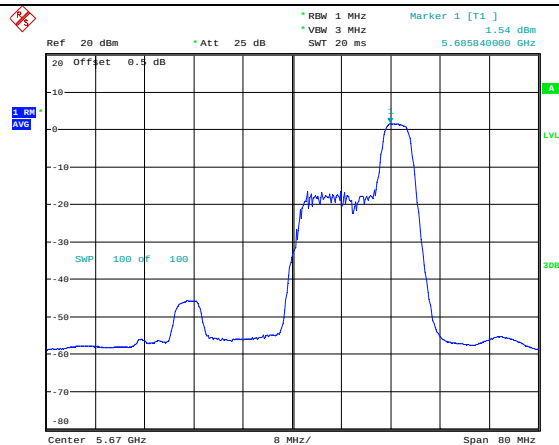


Date: 17.MAY.2023 23:12:04

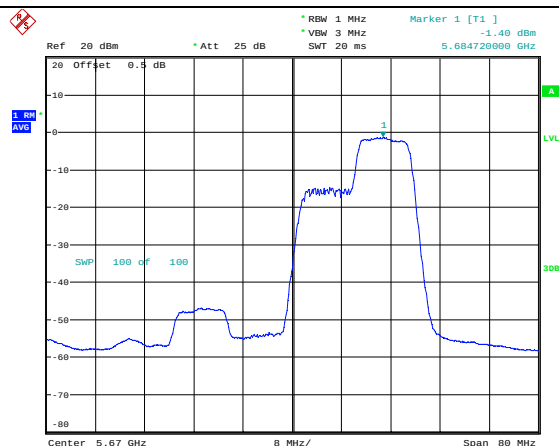
Maximum power spectral density

802.11ax hew40
Highest Channel
(26/17)

Date: 17.MAY.2023 23:13:56

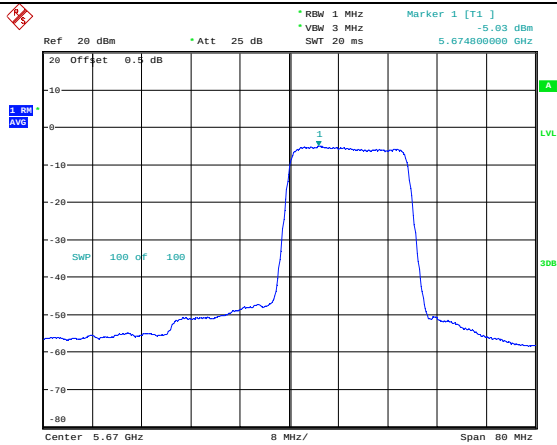
802.11ax hew40
Highest Channel
(52/44)

Date: 17.MAY.2023 23:14:50

802.11ax hew40
Highest Channel
(106/56)

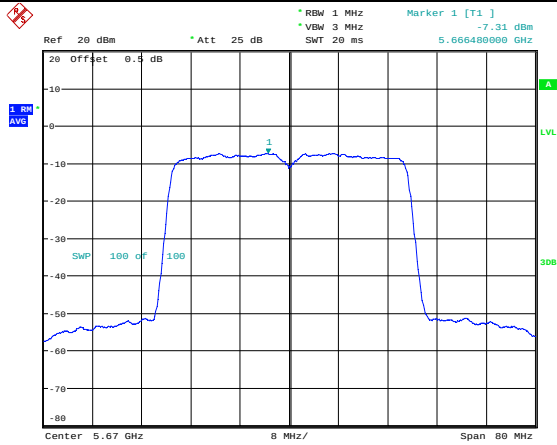
Date: 17.MAY.2023 23:16:05

802.11ax hew40
Highest Channel
(242/62)



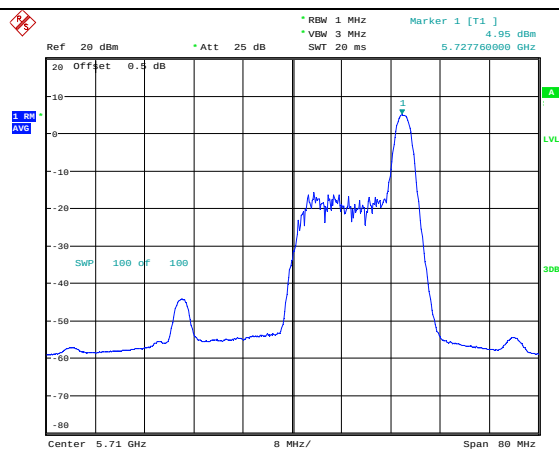
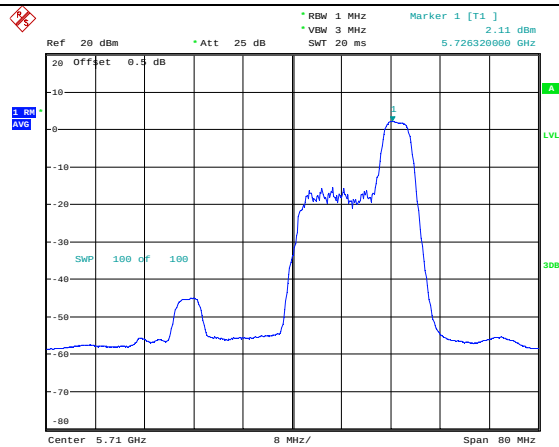
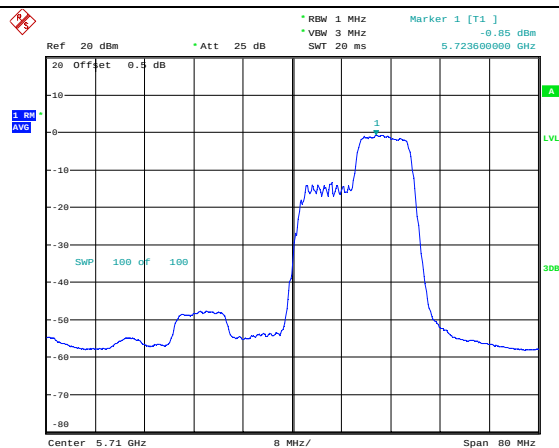
Date: 17.MAY.2023 23:17:10

802.11ax hew40
Highest Channel
(484/65)

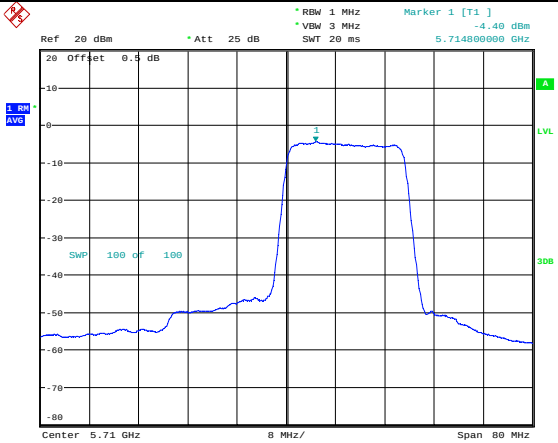


Date: 17.MAY.2023 23:18:16

Maximum power spectral density

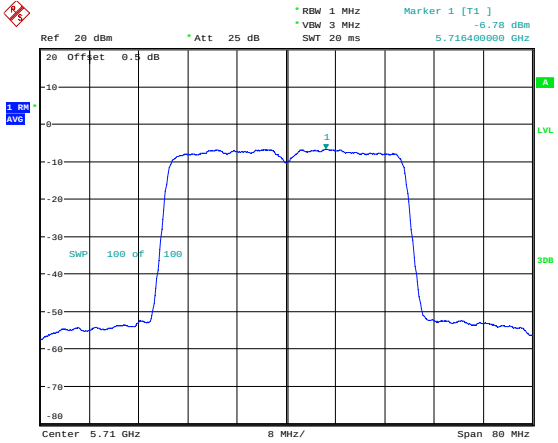
802.11ax hew40
Highest Channel
(26/17)802.11ax hew40
Highest Channel
(52/44)802.11ax hew40
Highest Channel
(106/56)

802.11ax hew40
Highest Channel
(242/62)



Date: 17.MAY.2023 23:24:19

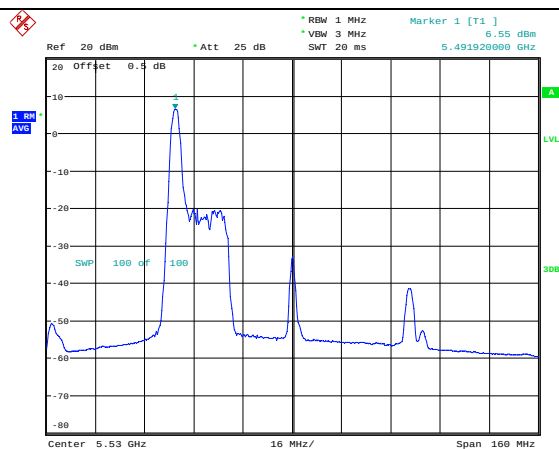
802.11ax hew40
Highest Channel
(484/65)



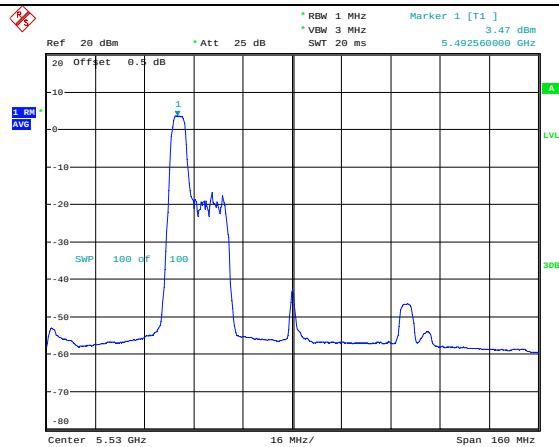
Date: 17.MAY.2023 23:25:57

Maximum power spectral density

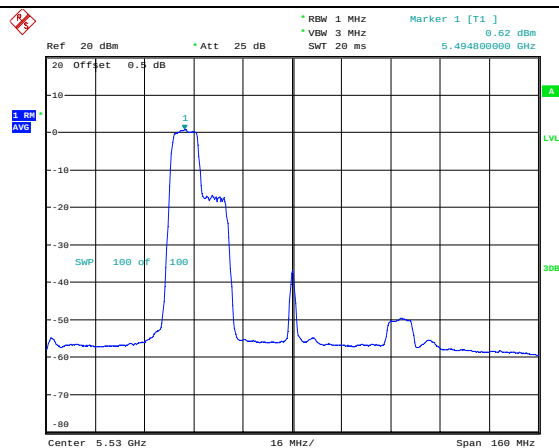
802.11ax hew80
Lowest Channel
(26/0)



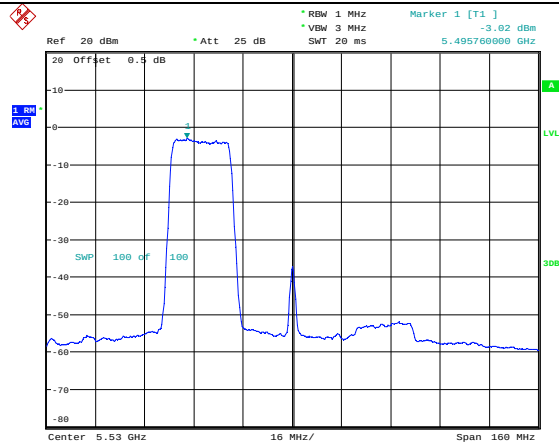
802.11ax hew80
Lowest Channel
(52/37)



802.11ax hew80
Lowest Channel
(106/53)

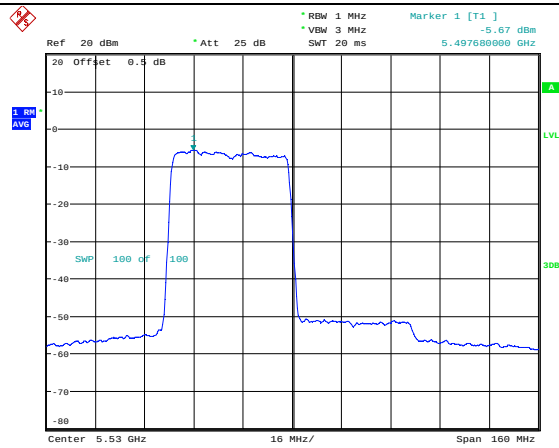


802.11ax hew80
Lowest Channel
(242/61)



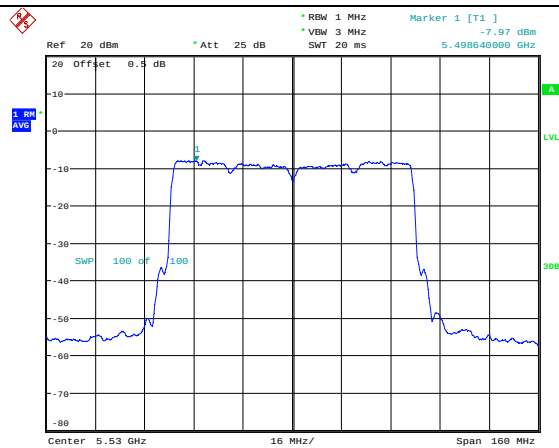
Date: 17.MAY.2023 23:34:37

802.11ax hew80
Lowest Channel
(484/65)



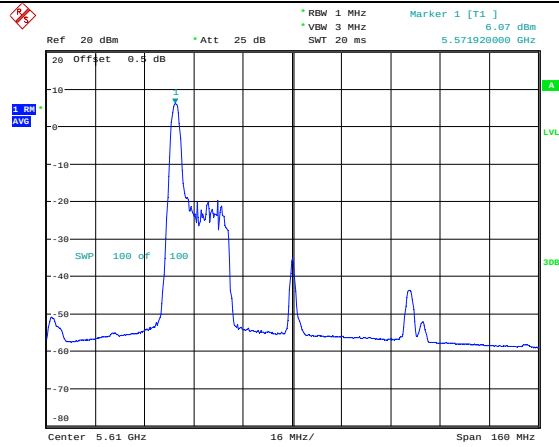
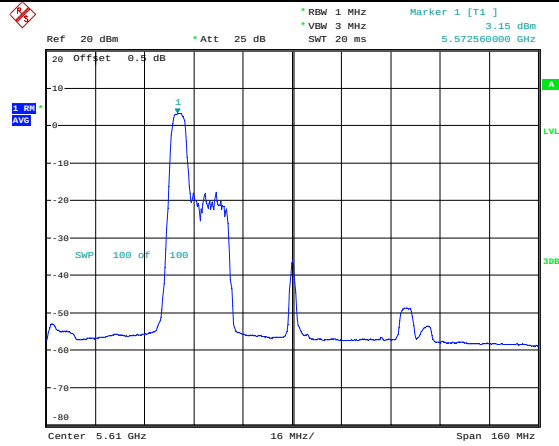
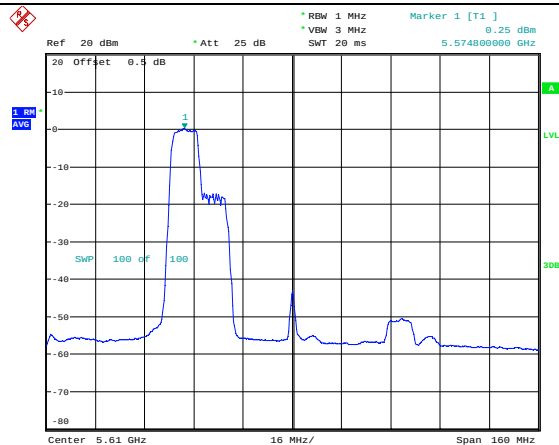
Date: 17.MAY.2023 23:35:46

802.11ax hew80
Lowest Channel
(996/67)

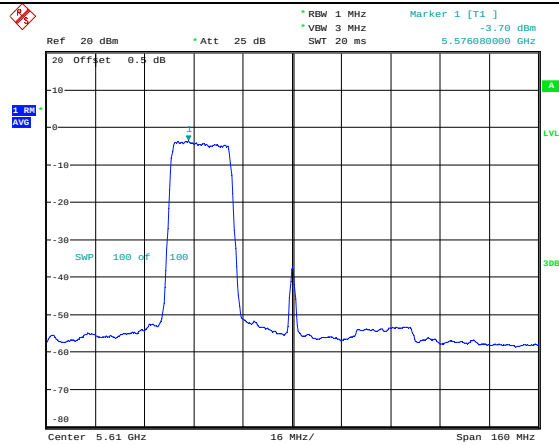


Date: 17.MAY.2023 23:36:59

Maximum power spectral density

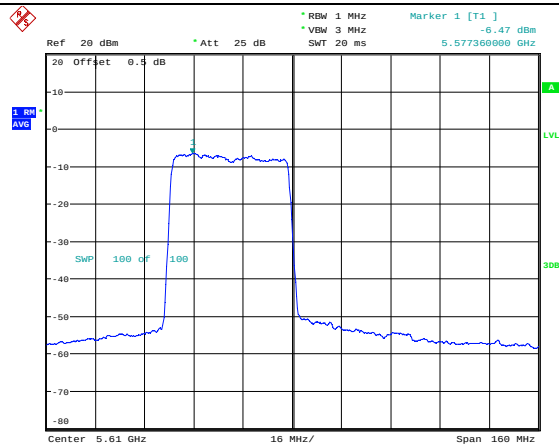
802.11ax hew80
Middle Channel
(26/0)802.11ax hew80
Middle Channel
(52/37)802.11ax hew80
Middle Channel
(106/53)

802.11ax hew80
Middle Channel
(242/61)



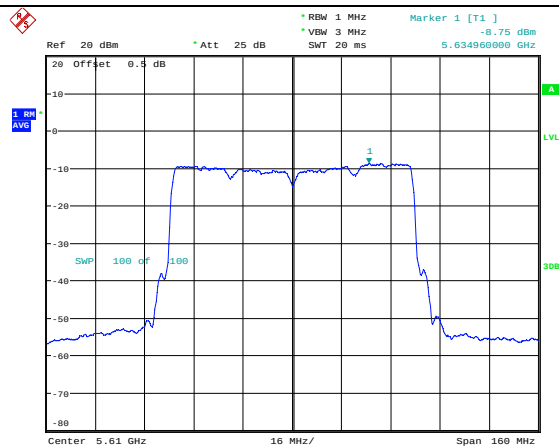
Date: 17.MAY.2023 23:43:12

802.11ax hew80
Middle Channel
(484/65)



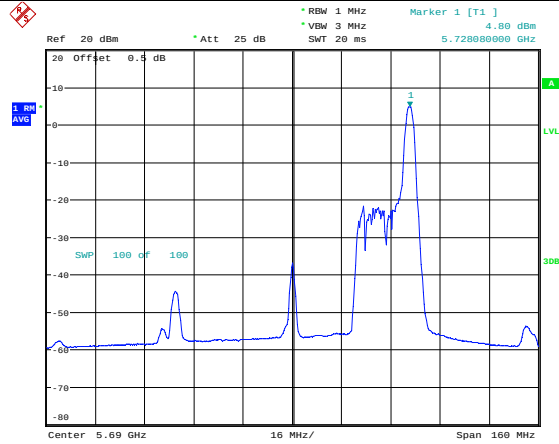
Date: 17.MAY.2023 23:44:39

802.11ax hew80
Middle Channel
(996/67)

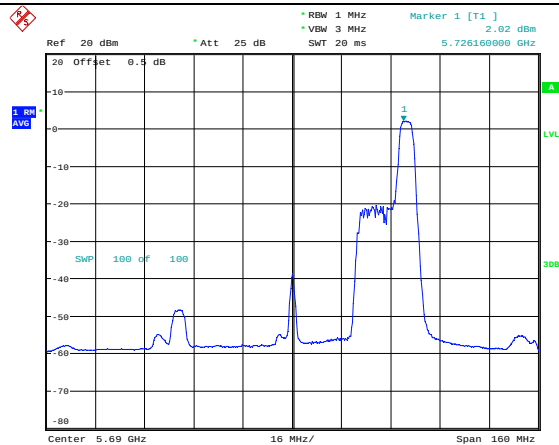


Date: 17.MAY.2023 23:45:57

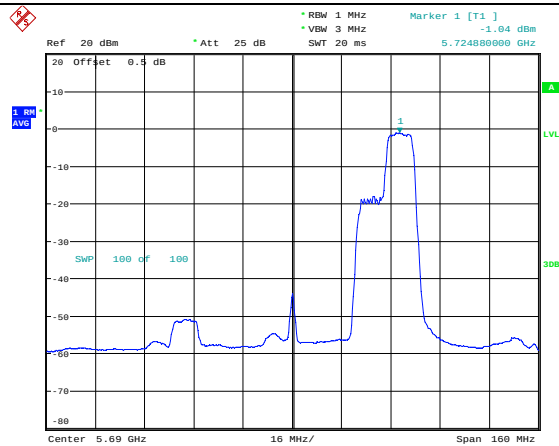
Maximum power spectral density

802.11ax hew80
Highest Channel
(26/36)

Date: 17.MAY.2023 23:47:42

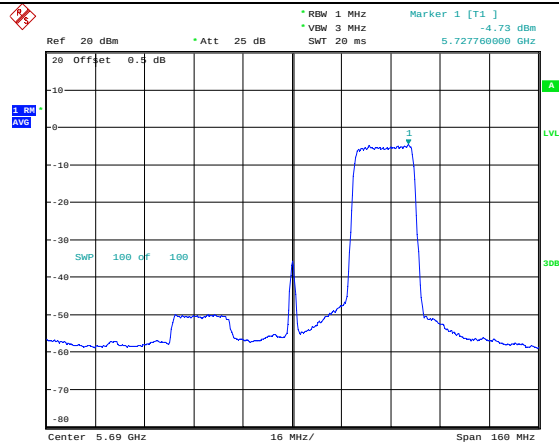
802.11ax hew80
Highest Channel
(52/52)

Date: 17.MAY.2023 23:48:46

802.11ax hew80
Highest Channel
(106/60)

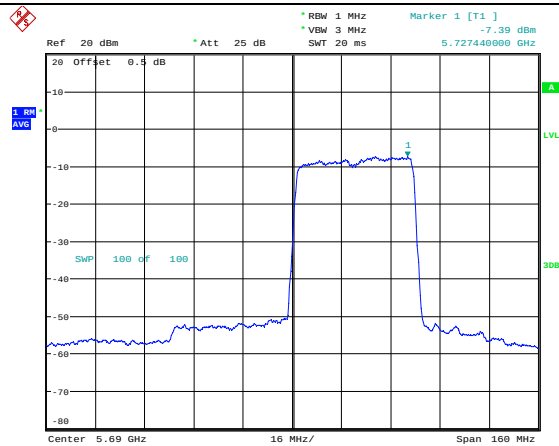
Date: 17.MAY.2023 23:49:45

802.11ax hew80
Highest Channel
(242/64)



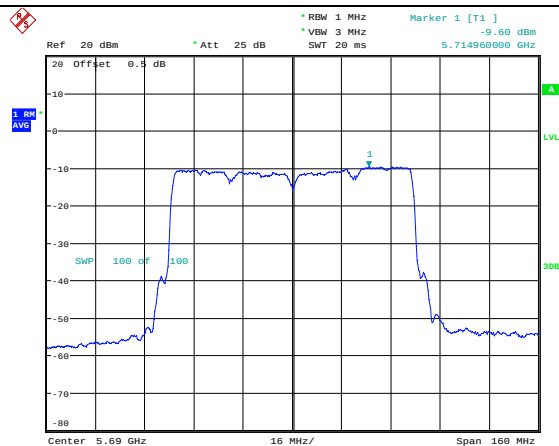
Date: 17.MAY.2023 23:51:24

802.11ax hew80
Highest Channel
(484/66)



Date: 17.MAY.2023 23:52:44

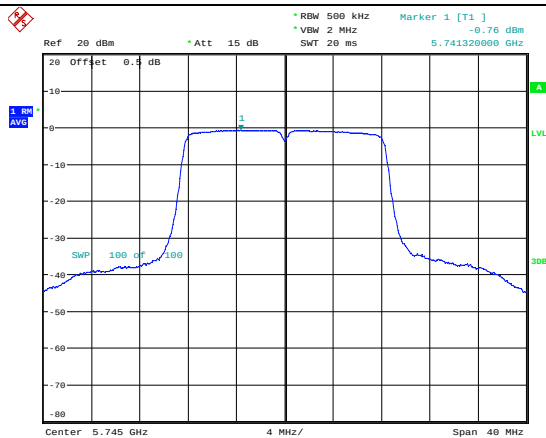
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Highest Channel
(996/67)



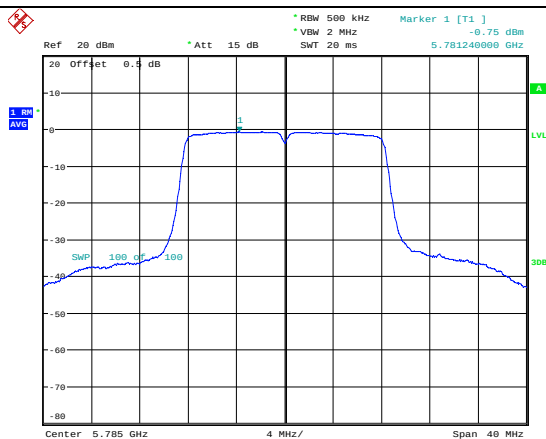
Date: 17.MAY.2023 23:54:00

5725-5850MHz

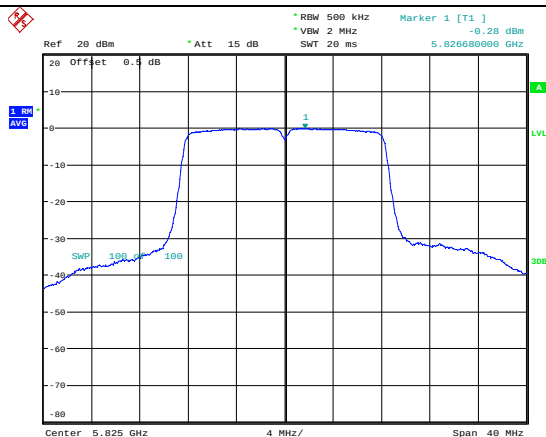
Maximum power spectral density

802.11a
Lowest Channel

Date: 10.MAY.2023 20:40:11

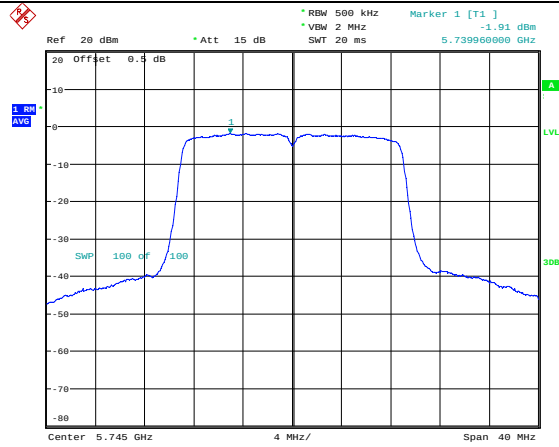
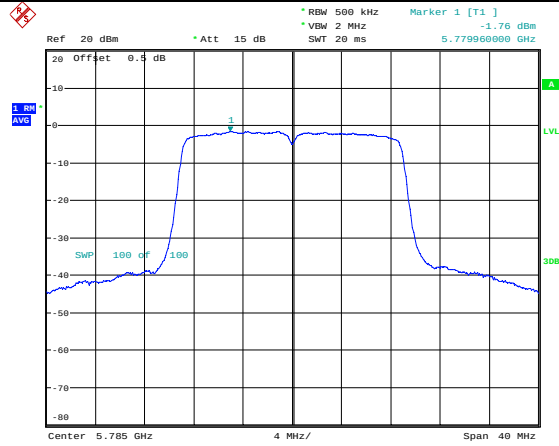
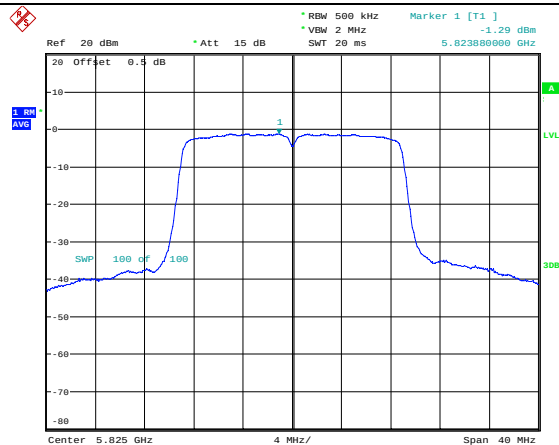
802.11a
Middle Channel

Date: 10.MAY.2023 20:41:29

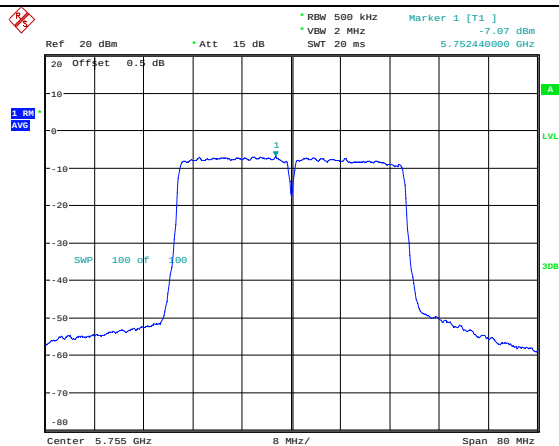
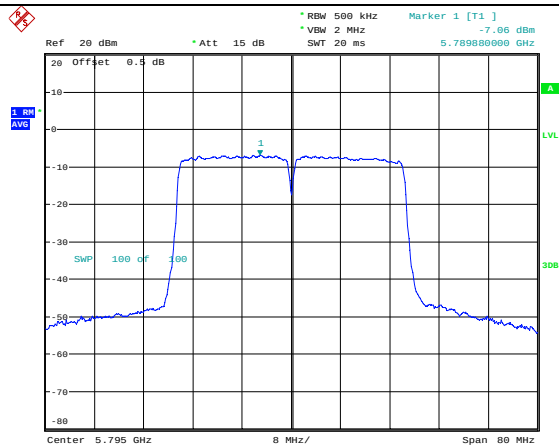
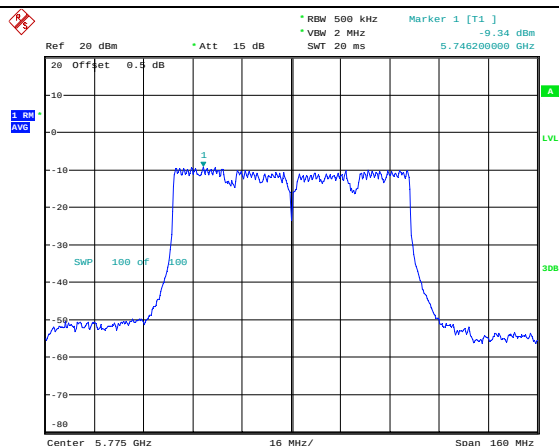
802.11a
Highest Channel

Date: 10.MAY.2023 20:42:31

Maximum power spectral density

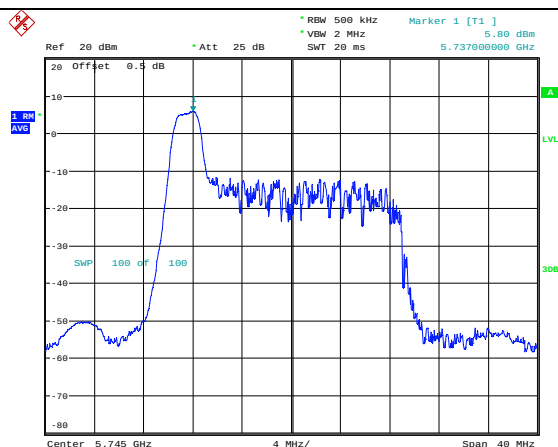
802.11n ht20
Lowest Channel802.11n ht20
Middle Channel802.11n ht20
Highest Channel

Maximum power spectral density

802.11n ht40
Lowest Channel802.11n ht40
Highest Channel802.11ac vht80
Middle Channel

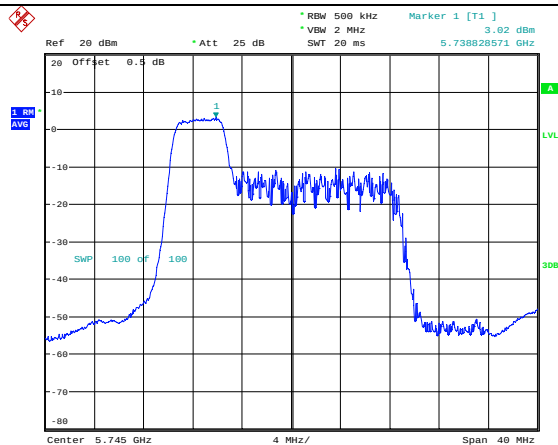
Maximum power spectral density

802.11ax hew20
Lowest Channel
(26/0)



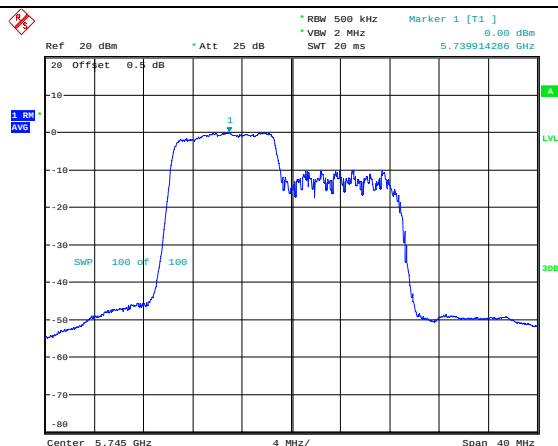
Date: 18.MAY.2023 22:41:06

802.11ax hew20
Lowest Channel
(52/37)



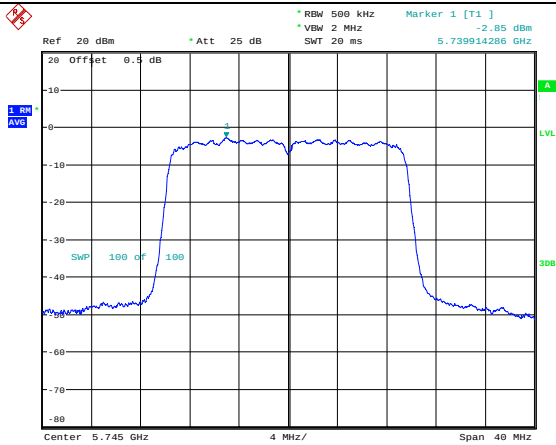
Date: 18.MAY.2023 22:48:23

802.11ax hew20
Lowest Channel
(106/53)

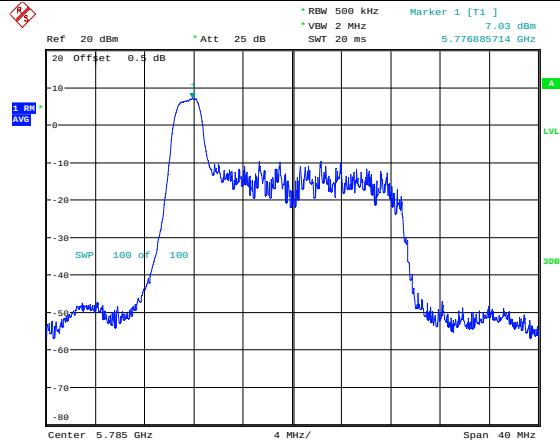


Date: 18.MAY.2023 22:49:47

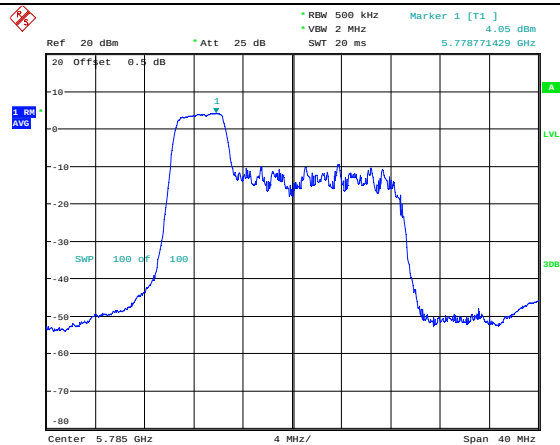
802.11ax hew20
Lowest Channel
(242/61)



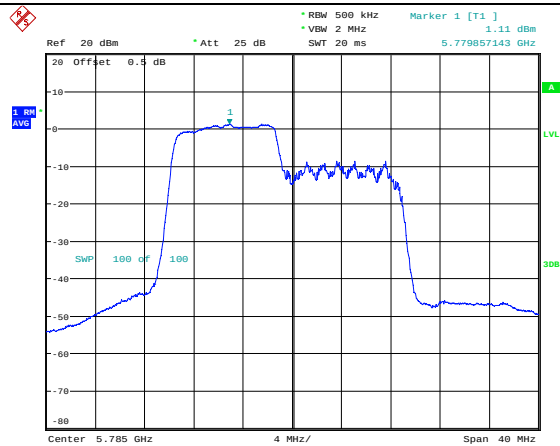
Date: 18.MAY.2023 22:52:08

Maximum power spectral density802.11ax hew20
Middle Channel
(26/0)

Date: 18.MAY.2023 22:54:39

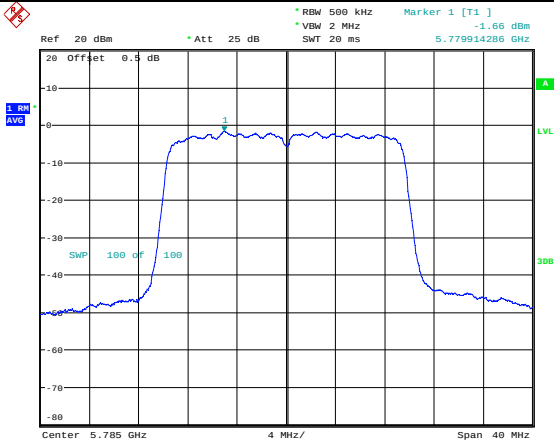
802.11ax hew20
Middle Channel
(52/37)

Date: 18.MAY.2023 22:55:44

802.11ax hew20
Middle Channel
(106/53)

Date: 18.MAY.2023 22:56:58

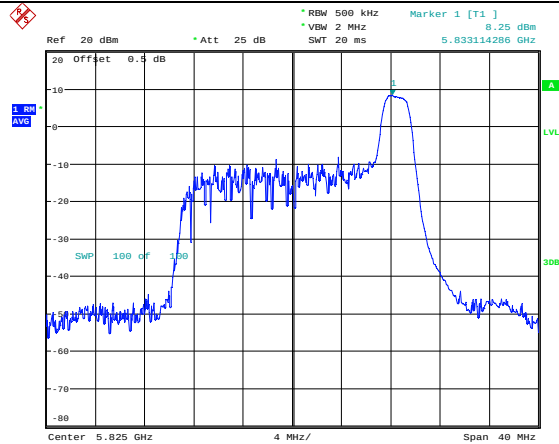
802.11ax hew20
Middle Channel
(242/61)



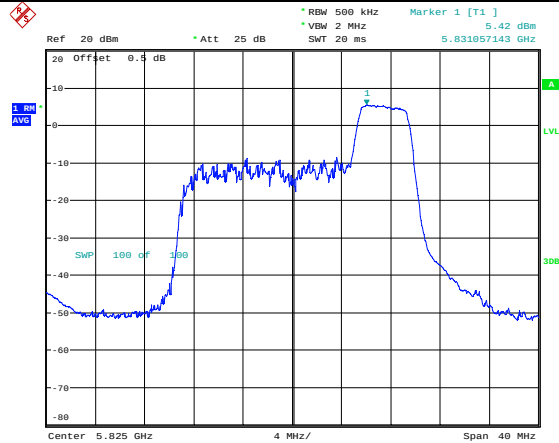
Date: 18.MAY.2023 22:57:53

Maximum power spectral density

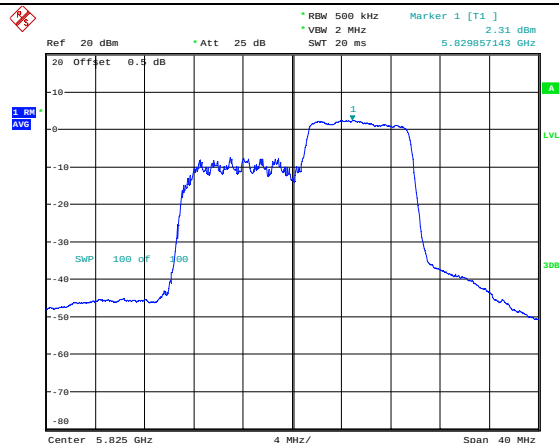
802.11ax hew20
Highest Channel
(26/8)



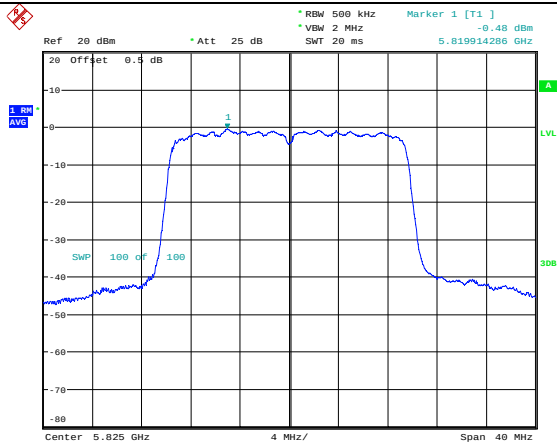
802.11ax hew20
Highest Channel
(52/40)



802.11ax hew20
Highest Channel
(106/54)

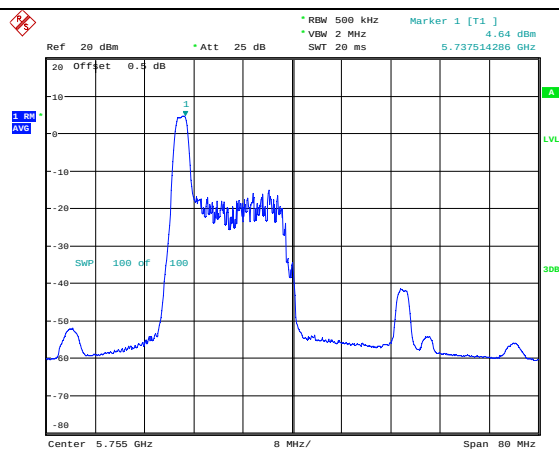
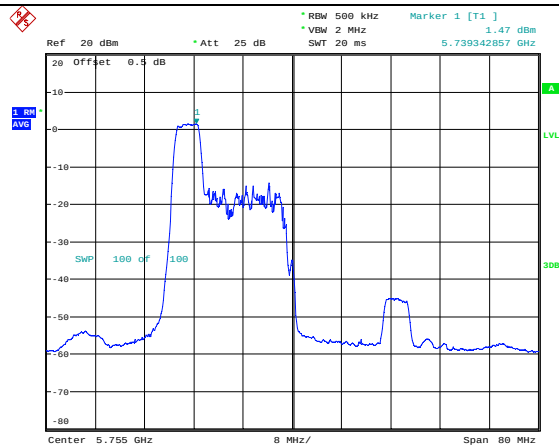
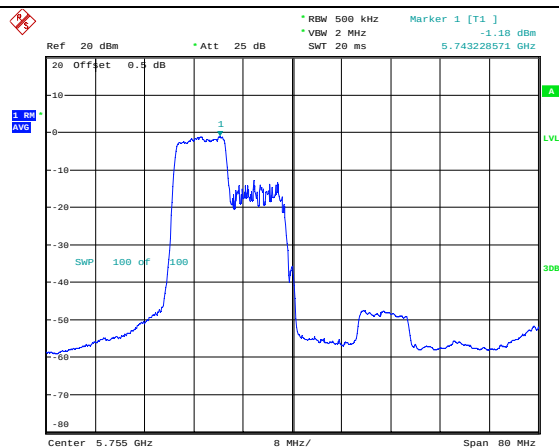


802.11ax hew20
Highest Channel
(242/61)

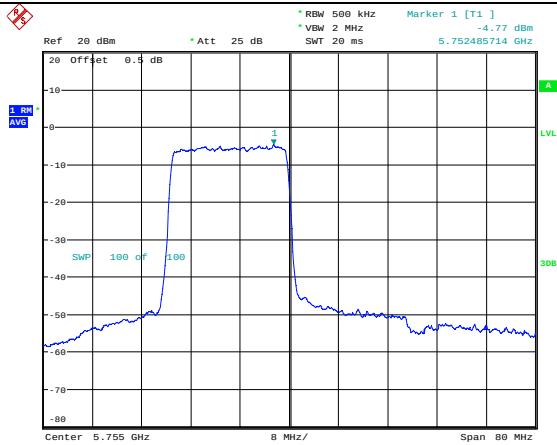


Date: 18.MAY.2023 23:06:43

Maximum power spectral density

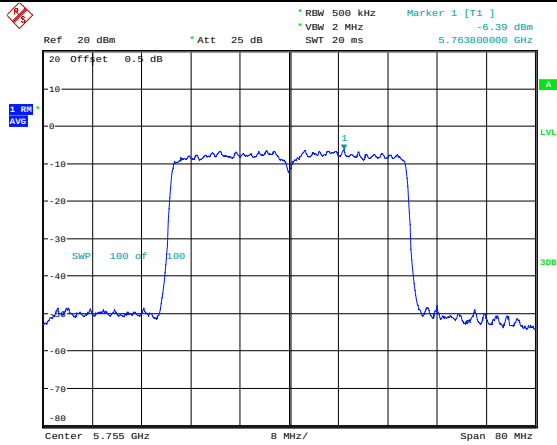
802.11ax hew40
Lowest Channel
(26/0)802.11ax hew40
Lowest Channel
(52/37)802.11ax hew40
Lowest Channel
(106/53)

802.11ax hew40
Lowest Channel
(242/61)



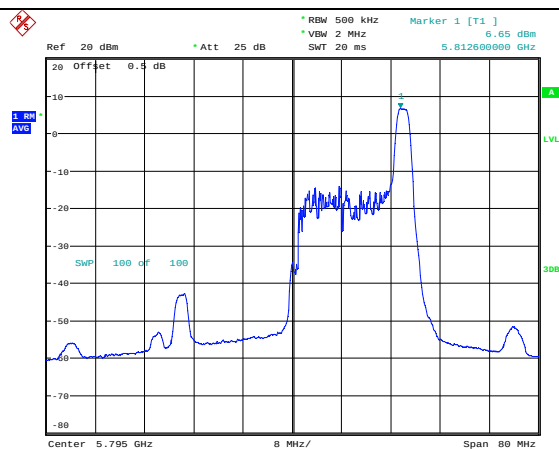
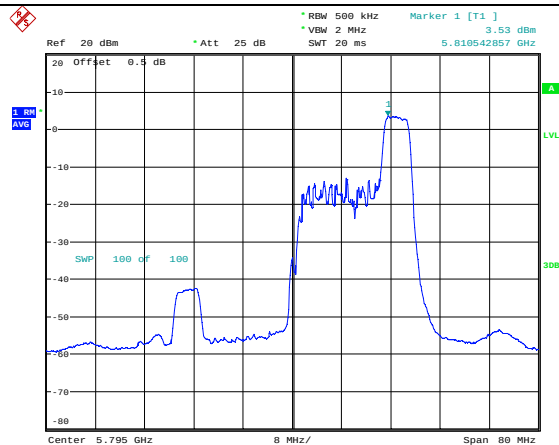
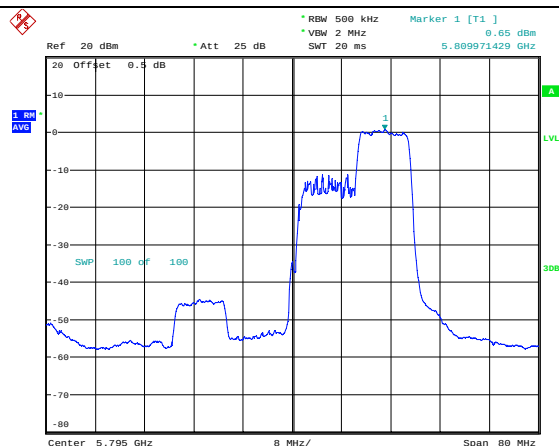
Date: 18.MAY.2023 23:11:36

802.11ax hew40
Lowest Channel
(484/65)

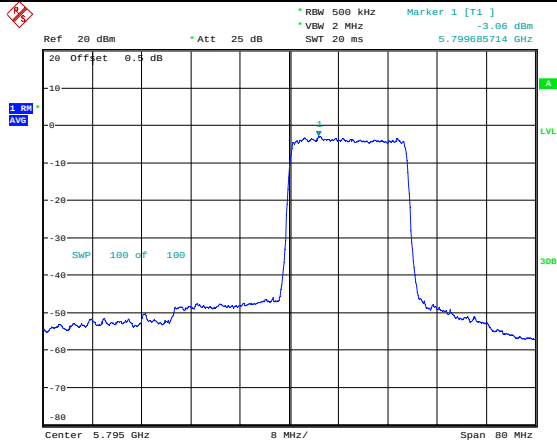


Date: 18.MAY.2023 23:15:20

Maximum power spectral density

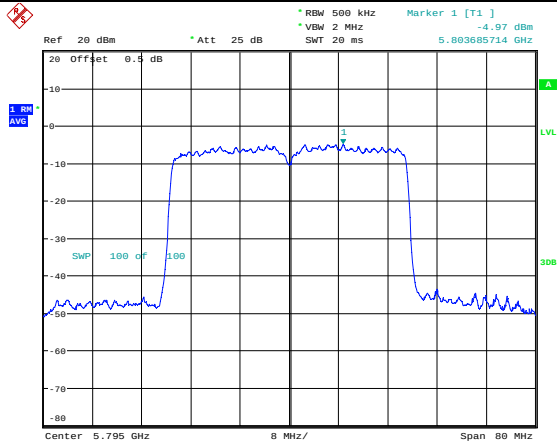
802.11ax hew40
Highest Channel
(26/17)802.11ax hew40
Highest Channel
(52/44)802.11ax hew40
Highest Channel
(106/56)

802.11ax hew40
Highest Channel
(242/62)



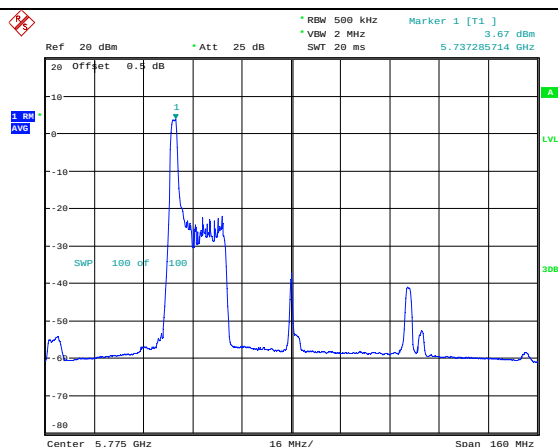
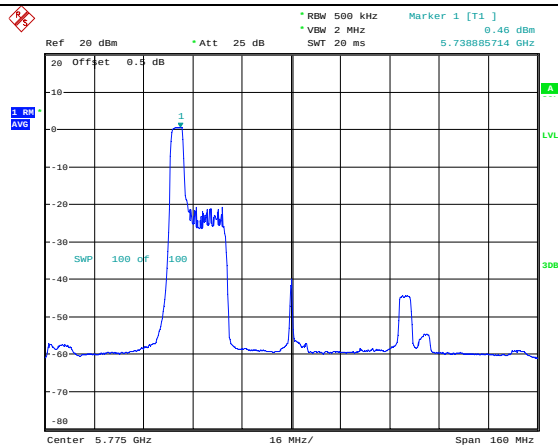
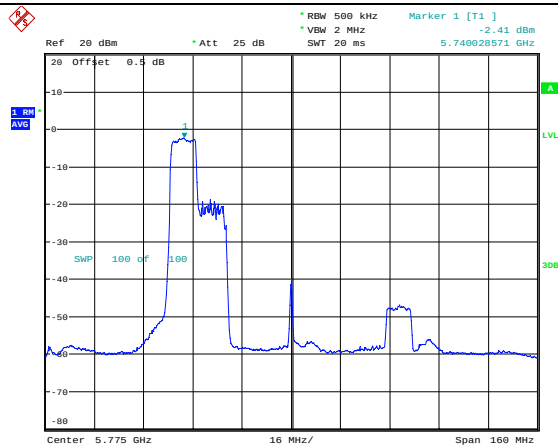
Date: 18.MAY.2023 23:19:45

802.11ax hew40
Highest Channel
(484/65)

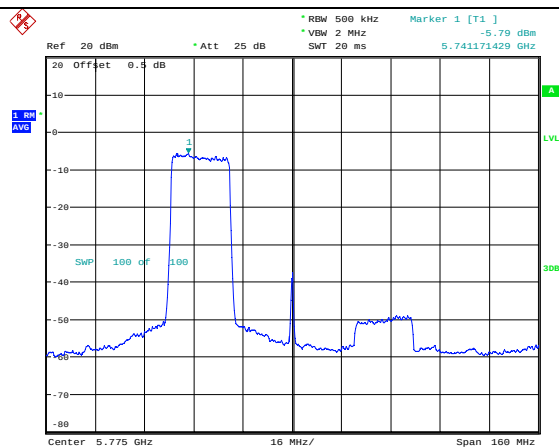


Date: 18.MAY.2023 23:20:42

Maximum power spectral density

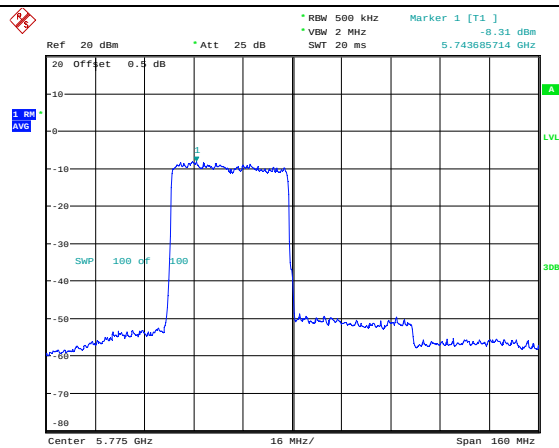
802.11ax hew80
Middle Channel
(26/0)802.11ax hew80
Middle Channel
(52/37)802.11ax hew80
Middle Channel
(106/53)

802.11ax hew80
Middle Channel
(242/61)



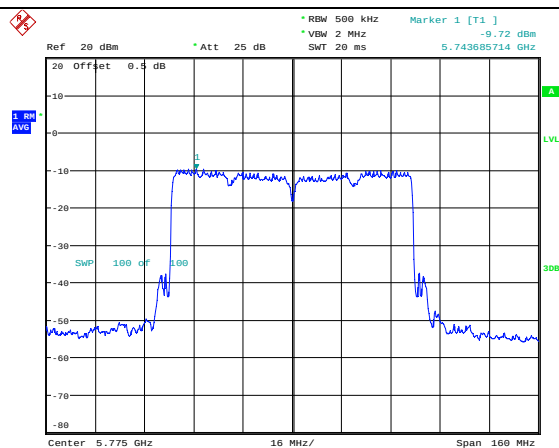
Date: 18.MAY.2023 23:26:58

802.11ax hew80
Middle Channel
(484/65)



Date: 18.MAY.2023 23:28:02

802.11ax hew80
Middle Channel
(996/67)



Date: 18.MAY.2023 23:29:35

4.6 Duty Cycle:

Serial Number:	22ID_3	Test Date:	2023/04/20-2023/04/21
Test Site:	RF	Test Mode:	Transmitting
Tester:	Arthur Su	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	25.2~25.9	Relative Humidity: (%)	45~46	ATM Pressure: (kPa)	99.8~100.1
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

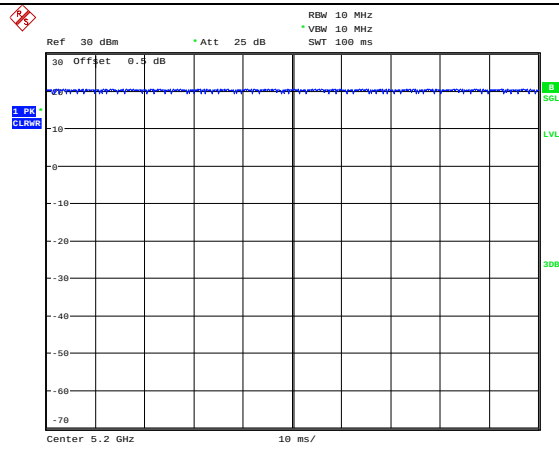
Test Data:

Test Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)	1/T (Hz)	Duty cycle Factor (dB)
802.11a	100	100	100.00	10	/
802.11n ht20	100	100	100.00	10	/
802.11n ht40	100	100	100.00	10	/
802.11ac vht80	100	100	100.00	10	/
802.11ax hew20	100	100	100.00	10	/
802.11ax hew40	100	100	100.00	10	/
802.11ax hew80	100	100	100.00	10	/

Note: Test only was performed at Chain 0.

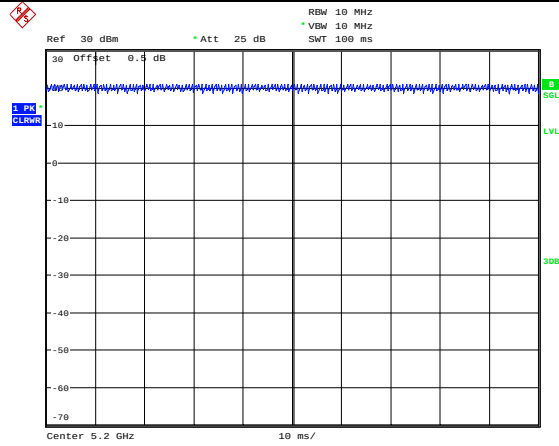
Duty Cycle

802.11a



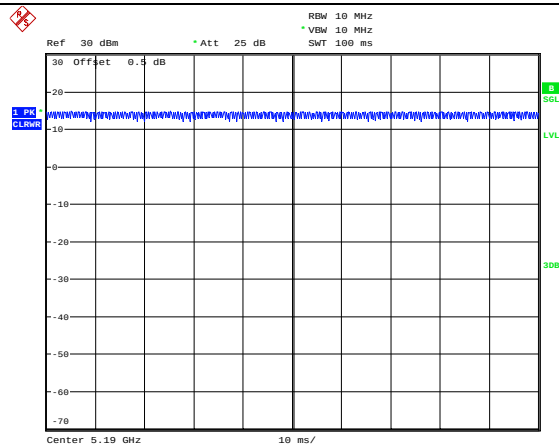
Date: 20.APR.2023 23:50:35

802.11n ht20



Date: 20.APR.2023 23:52:01

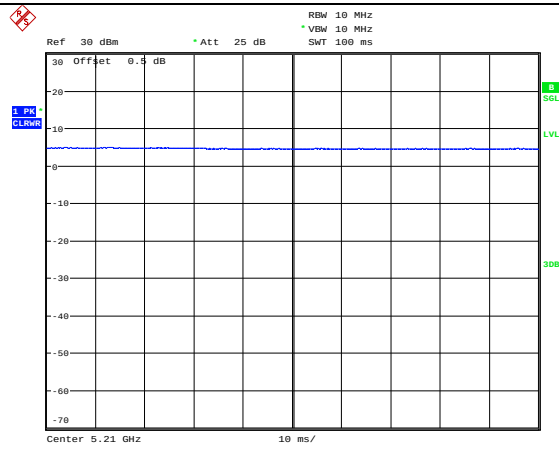
802.11n ht40



Date: 20.APR.2023 23:56:01

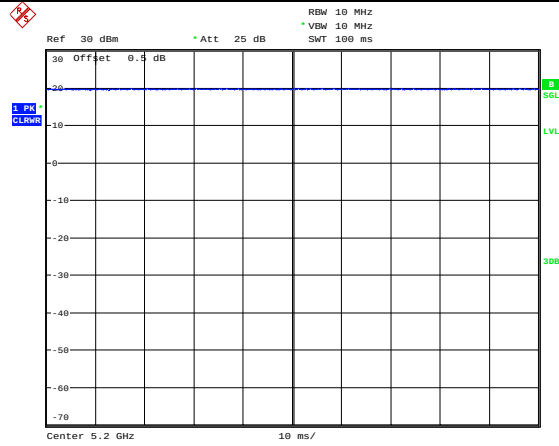
Duty Cycle

802.11ac vht80



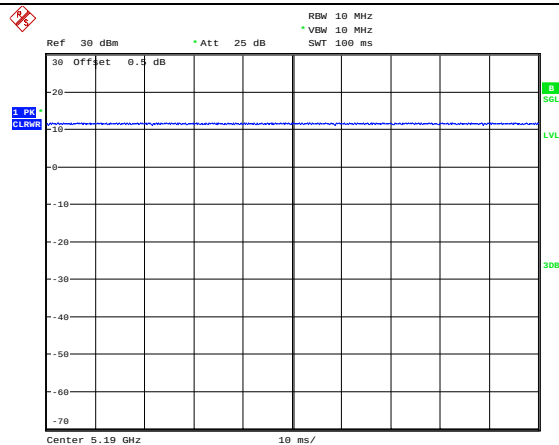
Date: 21.APR.2023 00:04:37

802.11ax hew20



Date: 21.APR.2023 00:00:53

802.11ax hew40



Date: 21.APR.2023 00:01:43

