中认信通
CHINA CERTIFICATION ICT CO.,LTD (DONGGUAN)

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **Shape Labs Inc.**

Address: 179 11th St, CA 94103, San Francisco, USA

FCC ID: **2A9XISHAPESCALE-001**

Product Name: **Shapescale**

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

Report Number: **CR230101974-00E**

Date Of Issue: **2023/12/27**

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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	CR230101974-00D	Original Report	2023/12/27

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Shapescale
EUT Model:	Shapescale-001
Operation Frequency:	Band 1 : 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) Band 2 : 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) Band 3 : 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) Band 4 : 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):	17.70 dBm (5150-5250 MHz) 17.43 dBm(5250-5350 MHz) 17.75 dBm(5470-5725 MHz) 17.38 dBm (5725-5850 MHz)
Modulation Type:	802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM 802.11ax: OFDMA- BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Rated Input Voltage:	DC 19V from adapter
Serial Number:	1YK8-1
EUT Received Date:	2023/1/22
EUT Received Status:	Good
Note: 5600-5650 MHz was disabled by software in Canada Market.	

1.1.2 Operation Frequency Detail:

For 802.11a/n ht20/ac vht20/ax hew20:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz 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	/	/
				143	5720		
Note: the channels mark with * were in the range of 5600-5650 MHz disabled by software in Canada Market.							
Per section 15.31(m), the below frequencies were performed the test as below:							
36	5180	52	5260	100	5500	149	5745
40	5200	56	5280	116	5580	157	5785
48	5240	64	5320	140	5700	165	5825
/	/	/	/	143	5720	/	/

For 802.11n ht40/ac vh40/ax hew40:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz 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	/	/
Note: the channels mark with * were in the range of 5600-5650 MHz disabled by software in Canada Market.							
Per section 15.31(m), the below frequencies were performed the test as below:							
38	5190	54	5270	102	5510	151	5755
46	5230	62	5310	110	5550	159	5795
/	/	/	/	134	5670	/	/
/	/	/	/	142	5710	/	/

For 802.11ac vht80/ax hew80:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz 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	/	/
Note: the channels mark with * were in the range of 5600-5650 MHz disabled by software in Canada Market.							
Per section 15.31(m), the below frequencies were performed the test as below:							
42	5210	58	5290	106	5530	155	5775
/	/	/	/	122	5610	/	/
/	/	/	/	138	5690	/	/

1.1.3 Antenna Information Detail▲:

Antenna	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
Chain 0	Chip	50	5150~5250MHz	5.2 dBi
			5250-5350 MHz	
			5470-5725 MHz	
			5725~5850MHz	
Chain 1	Chip	50	5150~5250MHz	5.2 dBi
			5250-5350 MHz	
			5470-5725 MHz	
			5725~5850MHz	

The Method of §15.203 Compliance:

☒Antenna was permanently attached to the unit.

☐Antenna use a unique type of connector to attach to the EUT.

☐Unit was 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
Adapter	Dongguan Dongsong electronic Co., LTD	DYS865-190342W

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:	CoolTerm

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 (MHz)	Data rate	RU Config.	Power Level Setting	
					Chain 0	Chain 1
802.11a	Lowest	5180	6Mbps	/	**15**	**-1**
	Middle	5200	6Mbps	/	**-1**	**-1**
	Highest	5240	6Mbps	/	**-1**	**-1**
802.11n ht20	Lowest	5180	MCS8	/	**-1**	**-1**
	Middle	5200	MCS8	/	**-1**	**-1**
	Highest	5240	MCS8	/	**-1**	**-1**
802.11n ht40	Lowest	5190	MCS8	/	**-1**	**-1**
	Highest	5230	MCS8	/	**-1**	**-1**
802.11ac vht80	Middle	5210	MCS8	/	**-1**	**-1**
802.11ax hew20	Lowest	5180	MCS8	26/0	**8**	**9**
				52/37	**8**	**9**
				106/53	**8**	**9**
				242/61	**8**	**9**
	Middle	5200	MCS8	26/0	**8**	**9**
				52/37	**8**	**9**
				106/53	**8**	**9**
				242/61	**8**	**9**
	Highest	5240	MCS8	26/8	**8**	**9**
				52/40	**8**	**9**
				106/54	**8**	**9**
				242/61	**8**	**9**
802.11ax hew40	Lowest	5190	MCS8	26/0	**8**	**9**
				52/37	**8**	**9**
				106/53	**8**	**9**
				242/61	**8**	**9**
				484/65	**8**	**9**
	Highest	5230	MCS8	26/17	**8**	**9**
				52/44	**8**	**9**
				106/56	**8**	**9**
				242/62	**8**	**9**
				484/65	**8**	**9**
802.11ax hew80	Middle	5210	MCS8	26/0	**8**	**9**
				52/37	**8**	**9**
				106/53	**8**	**9**
				242/61	**8**	**9**
				484/65	**8**	**9**
				996/67	**8**	**9**

5250-5350 MHz Band:						
Test Modes	**Test Channels**	**Test Frequency (MHz)**	**Data rate**	**RU Config.**	**Power Level Setting**	
					Chain 0	**Chain 1**
802.11a	Lowest	5260	6Mbps	/	**-1**	**-1**
	Middle	5280	6Mbps	/	**-1**	**-1**
	Highest	5320	6Mbps	/	**-1**	**-1**
802.11n ht20	Lowest	5260	MCS8	/	**-1**	**-1**
	Middle	5280	MCS8	/	**-1**	**-1**
	Highest	5320	MCS8	/	**-1**	**-1**
802.11n ht40	Lowest	5270	MCS8	/	**-1**	**-1**
	Highest	5310	MCS8	/	**-1**	**-1**
802.11ac vht80	Middle	5290	MCS8	/	**-1**	**-1**
802.11ax hew20	Lowest	5260	MCS8	26/0	**11**	**10**
				52/37	**11**	**10**
				106/53	**11**	**10**
				242/61	**11**	**10**
	Middle	5280	MCS8	26/0	**11**	**10**
				52/37	**11**	**10**
				106/53	**11**	**10**
				242/61	**11**	**10**
	Highest	5320	MCS8	26/8	**11**	**10**
				52/40	**11**	**10**
				106/54	**11**	**10**
				242/61	**11**	**10**
802.11ax hew40	Lowest	5270	MCS8	26/0	**8**	**8**
				52/37	**8**	**8**
				106/53	**8**	**8**
				242/61	**8**	**8**
				484/65	**8**	**8**
	Highest	5310	MCS8	26/17	**8**	**8**
				52/44	**8**	**8**
				106/56	**8**	**8**
				242/62	**8**	**8**
				484/65	**8**	**8**
802.11ax hew80	Middle	5290	MCS8	26/0	**10**	**10**
				52/37	**10**	**10**
				106/53	**10**	**10**
				242/61	**10**	**10**
				484/65	**10**	**10**
				996/67	**10**	**10**

5470-5725 MHz Band:						
Test Modes	**Test Channels**	**Test Frequency (MHz)**	**Data rate**	**RU Config.**	**Power Level Setting**	
					Chain 0	**Chain 1**
802.11a	Lowest	5500	6Mbps	/	**13**	**13**
	Middle	5580	6Mbps	/	**-1**	**-1**
	Highest	5700	6Mbps	/	**13**	**13**
	Cross	5720	6Mbps		**13**	**13**
802.11n ht20	Lowest	5500	MCS8	/	**13**	**13**
	Middle	5580	MCS8	/	**-1**	**-1**
	Highest	5700	MCS8	/	**11**	**11**
	Cross	5720	MCS8		**11**	**11**
802.11n ht40	Lowest	5510	MCS8	/	**10**	**10**
	Middle	5550	MCS8	/	**-1**	**-1**
	Highest	5670	MCS8		**14**	**14**
	Cross	5710	MCS8		**14**	**14**
802.11ac vht80	Lowest	5530	MCS8	/	**-1**	**-1**
	Highest	5610	MCS8	/	**-1**	**-1**
	Cross	5690	MCS8	/	**-1**	**-1**
802.11ax hew20	Lowest	5500	MCS8	26/0	**10**	**11**
				52/37	**10**	**11**
				106/53	**10**	**11**
				242/61	**10**	**11**
	Middle	5580	MCS8	26/0	**10**	**11**
				52/37	**10**	**11**
				106/53	**10**	**11**
				242/61	**10**	**11**
	Highest	5700	MCS8	26/8	**9**	**10**
				52/40	**9**	**10**
				106/54	**9**	**10**
				242/61	**9**	**10**
	Cross	5720	MCS8	26/8	**9**	**10**
				52/40	**9**	**10**
				106/54	**9**	**10**
				242/61	**9**	**10**
802.11ax hew40	Lowest	5510	MCS8	26/0	**9**	**10**
				52/37	**9**	**10**
				106/53	**9**	**10**
				242/61	**9**	**10**
				484/65	**9**	**10**
	Middle	5550	MCS8	26/0	**9**	**10**
				52/37	**9**	**10**
				106/53	**9**	**10**
				242/61	**9**	**10**
				484/65	**9**	**10**
	Highest	5670	MCS8	26/17	**9**	**10**
				52/44	**9**	**10**
				106/56	**9**	**10**
				242/62	**9**	**10**
				484/65	**9**	**10**
	Cross	5710	MCS8	26/17	**9**	**10**
				52/44	**9**	**10**
				106/56	**9**	**10**
				242/62	**9**	**10**

				484/65	**9**	**10**
802.11ax hew80	Lowest	5530	MCS8	26/0	**10**	**10**
				52/37	**10**	**10**
				106/53	**10**	**10**
				242/61	**10**	**10**
				484/65	**10**	**10**
				996/67	**10**	**10**
	Highest	5610	MCS8	26/0	**10**	**10**
				52/37	**10**	**10**
				106/53	**10**	**10**
				242/61	**10**	**10**
				484/65	**10**	**10**
				996/67	**10**	**10**
	Cross	5690	MCS8	26/36	**10**	**10**
				52/52	**10**	**10**
				106/60	**10**	**10**
				242/64	**10**	**10**
				484/66	**10**	**10**
				996/67	**10**	**10**

5725-5850 MHz Band:

Test Modes	Test Channels	Test Frequency (MHz)	Data rate	RU Config.	Power Level Setting	
					Chain 0	Chain 1
802.11a	Lowest	5745	6Mbps	/	**-1**	**-1**
	Middle	5785	6Mbps	/	**-1**	**-1**
	Highest	5825	6Mbps	/	**-1**	**-1**
802.11n ht20	Lowest	5745	MCS8	/	**-1**	**-1**
	Middle	5785	MCS8	/	**-1**	**-1**
	Highest	5825	MCS8	/	**-1**	**-1**
802.11n ht40	Lowest	5755	MCS8	/	**-1**	**-1**
	Highest	5795	MCS8	/	**-1**	**-1**
802.11ac vht80	Middle	5775	MCS8	/	**-1**	**-1**
802.11ax hew20	Lowest	5745	MCS8	26/0	**-1**	**-1**
				52/37	**-1**	**-1**
				106/53	**-1**	**-1**
				242/61	**-1**	**-1**
	Middle	5785	MCS8	26/0	**-1**	**-1**
				52/37	**-1**	**-1**
				106/53	**-1**	**-1**
				242/61	**-1**	**-1**
	Highest	5825	MCS8	26/8	**-1**	**-1**
				52/40	**-1**	**-1**
				106/54	**-1**	**-1**
				242/61	**-1**	**-1**
802.11ax hew40	Lowest	5755	MCS8	26/0	**-1**	**-1**
				52/37	**-1**	**-1**
				106/53	**-1**	**-1**
				242/61	**-1**	**-1**
				484/65	**-1**	**-1**
	Highest	5795	MCS8	26/17	**-1**	**-1**
				52/44	**-1**	**-1**
				106/56	**-1**	**-1**
				242/62	**-1**	**-1**
				484/65	**-1**	**-1**
802.11ax hew80	Middle	5775	MCS8	26/0	**-1**	**-1**

				52/37	**-1**	**-1**
				106/53	**-1**	**-1**
				242/61	**-1**	**-1**
				484/65	**-1**	**-1**
				996/67	**-1**	**-1**

Note:
1. The system support 802.11a/n ht20/n ht40/ac vht20/ax hew20/ac vht40/ax hew40/ac vht80/ax hew80, the vht20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40.
2. 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.
3. The device supports SISO in all modes, and MIMO 2T2R in 802.11n/ac/ax modes, per pretest, 2T2R mode was the worst mode and reported for 802.11n/ax modes.

1.2.2 Support Equipment List and Details

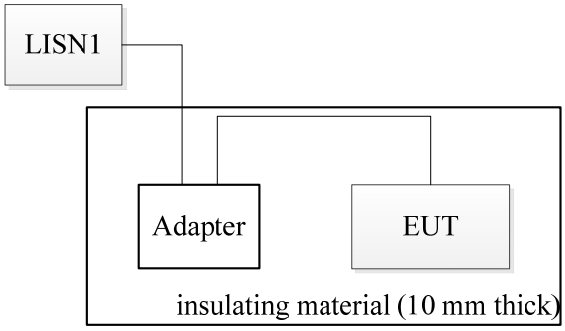
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

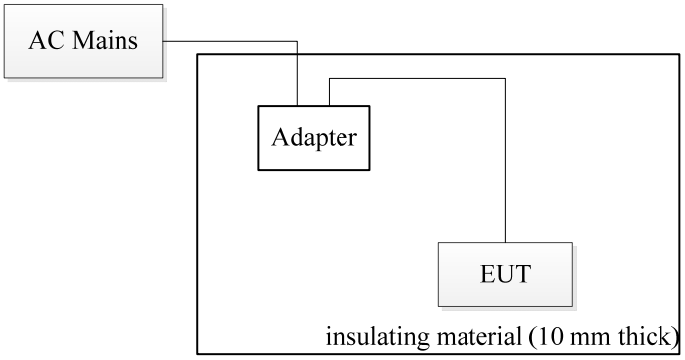
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Power Cable	No	No	1.2	Adapter	EUT
Power Cable	No	No	1.2	Adapter	LISN

1.2.4 Block Diagram of Test Setup

AC line conducted emissions:



Radiated 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℃
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
§15.207(a)	AC line conducted emissions	Compliant
FCC§15.205& §15.209 &§15.407(b)	Undesirable Emission& Restricted Bands	Compliant
FCC§15.407(a) (e)	Emission Bandwidth	Compliant
FCC§15.407(a)	Maximum Conducted Output Power	Compliant
FCC§15.407 (a)	Power Spectral Density	Compliant
§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 μH/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.

	Conducted limit (dBμV)	
Frequency of emission (MHz)	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:

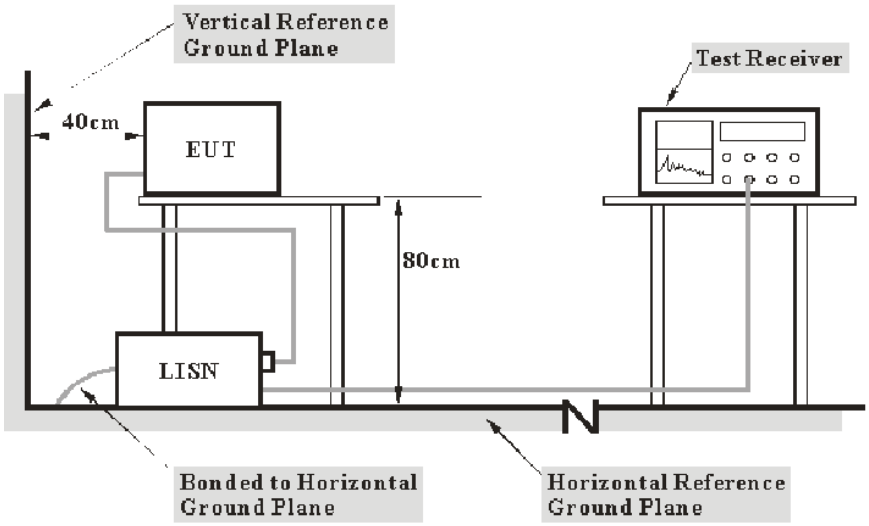
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 μH/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, obtainig 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

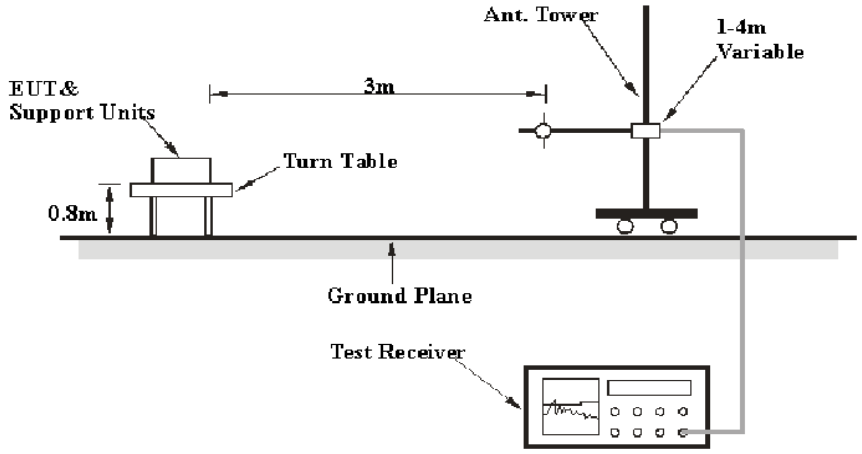
FCC §15.407 (b);

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.

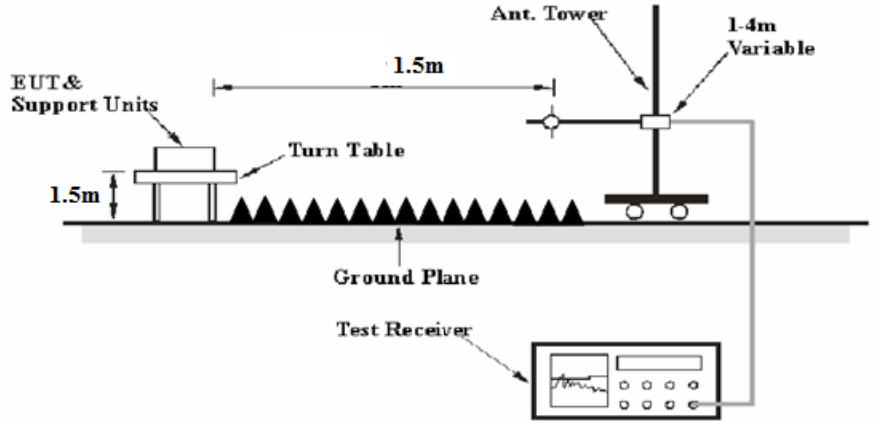
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies 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

30MHz~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 30MHz to 40 GHz.

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

30MHz-1000MHz:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	100 kHz	300 kHz	---	PK
	---	---	120 kHz	QP

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 30Hz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: E [dBμV/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 (specific distance [3m]/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 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.

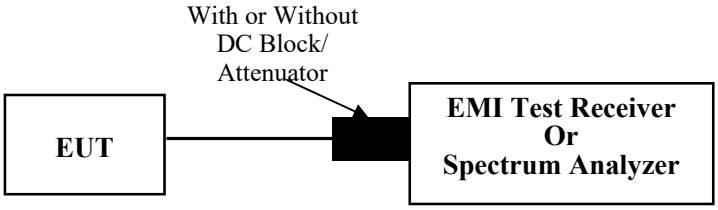
FCC §15.407 (e)

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

a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = peak.
d) Trace mode = max hold
e) 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

a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 RBW.
c) 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

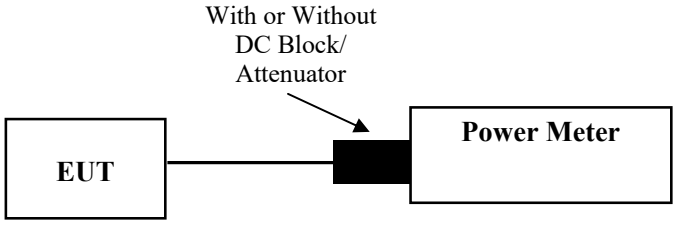
FCC §15.407(a) (1)(iv)

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

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 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)(iv)

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

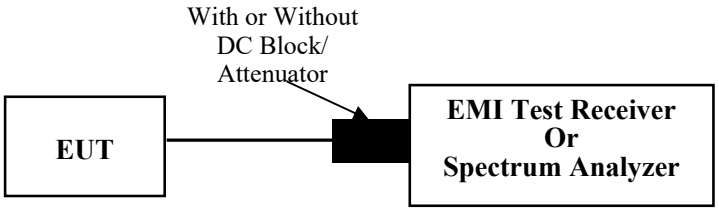
FCC §15.407(a) (2)

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 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 ≥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 ±2%

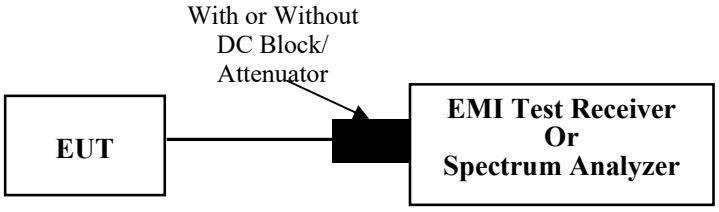
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

Duty cycle <98%, duty cycle variations exceed ±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 ≥ OBW if possible; otherwise, set RBW to the largest available value.
3) Set VBW ≥ 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 ≤ 16.7 μs.)

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:	1YK8-1	Test Date:	2023/10/17
Test Site:	CE	Test Mode:	Transmitting(maximum output power mode, 802.11n ht40 5190MHz)
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.8	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.9

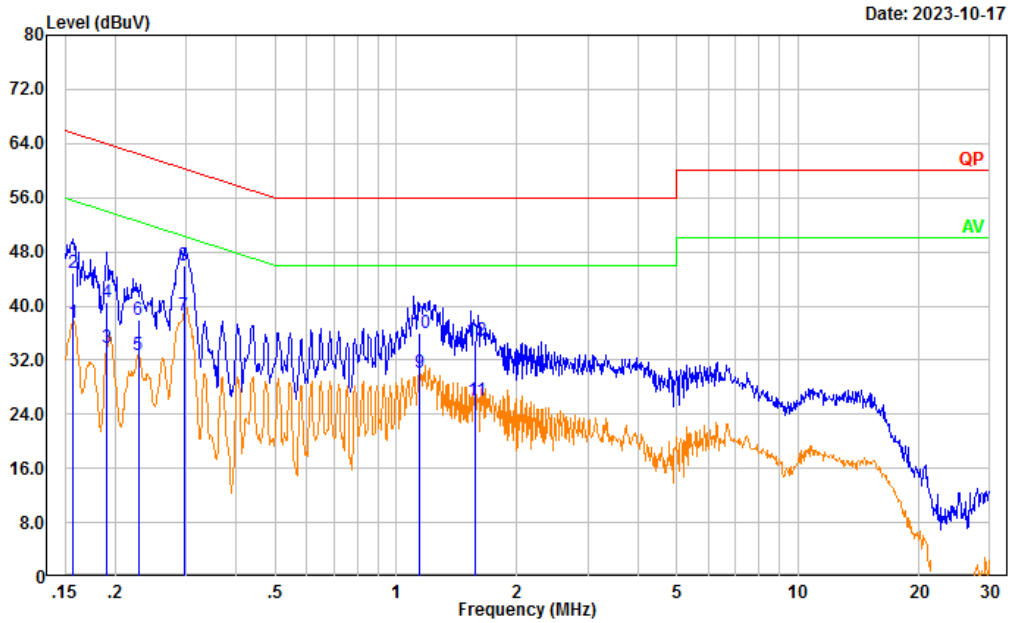
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/3/31	2024/3/30
R&S	EMI Test Receiver	ESR3	102726	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2023/8/6	2024/8/5
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).*

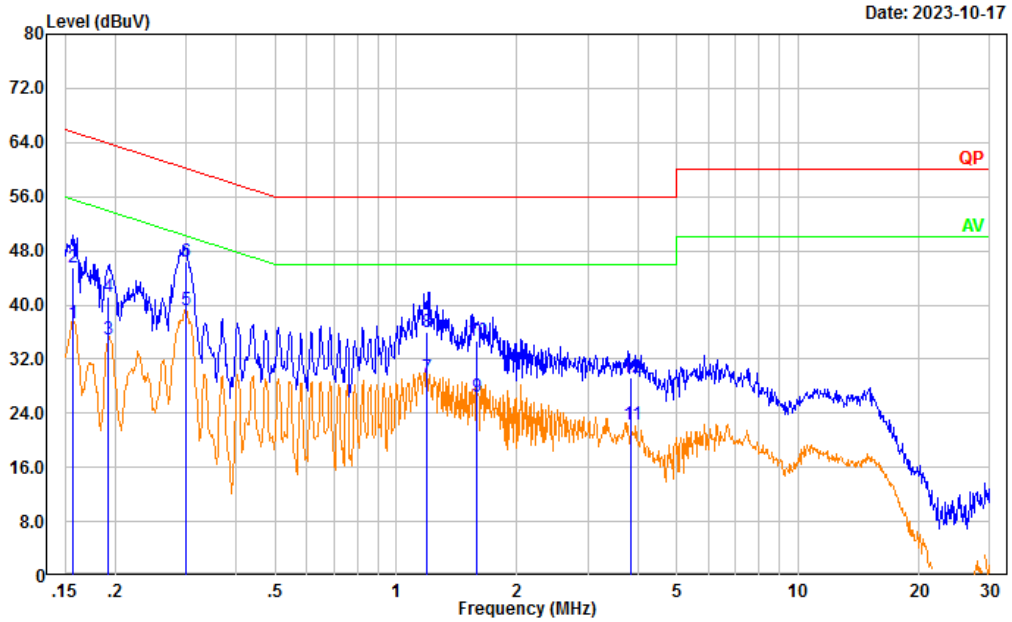
Test Data:

Project No.: CR230101974-RF
Tester: David Huang
Port: Line
Note: Transmitting(5G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.158	27.83	9.61	37.44	55.59	18.15	Average
2	0.158	35.34	9.61	44.95	65.59	20.64	QP
3	0.191	24.11	9.61	33.72	54.00	20.28	Average
4	0.191	30.99	9.61	40.60	64.00	23.40	QP
5	0.228	23.09	9.61	32.70	52.51	19.81	Average
6	0.228	28.36	9.61	37.97	62.51	24.54	QP
7	0.296	28.93	9.61	38.54	50.35	11.81	Average
8	0.296	36.45	9.61	46.06	60.35	14.29	QP
9	1.140	20.45	9.62	30.07	46.00	15.93	Average
10	1.140	26.40	9.62	36.02	56.00	19.98	QP
11	1.576	16.42	9.63	26.05	46.00	19.95	Average
12	1.576	25.23	9.63	34.86	56.00	21.14	QP

Project No.: CR230101974-RF
Tester: David Huang
Port: neutral
Note: Transmitting(5G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.157	27.75	9.61	37.36	55.65	18.29	Average
2	0.157	36.00	9.61	45.61	65.65	20.04	QP
3	0.192	25.19	9.61	34.80	53.95	19.15	Average
4	0.192	31.51	9.61	41.12	63.95	22.83	QP
5	0.299	29.66	9.61	39.27	50.26	10.99	Average
6	0.299	36.68	9.61	46.29	60.26	13.97	QP
7	1.192	19.63	9.62	29.25	46.00	16.75	Average
8	1.192	26.46	9.62	36.08	56.00	19.92	QP
9	1.589	16.81	9.63	26.44	46.00	19.56	Average
10	1.589	25.14	9.63	34.77	56.00	21.23	QP
11	3.850	12.61	9.65	22.26	46.00	23.74	Average
12	3.850	19.61	9.65	29.26	56.00	26.74	QP

4.2 Radiation Spurious Emissions

Serial Number:	1YK8-1	Test Date:	Above 1GHz: 2023/2/17 Below 1GHz: 2023/10/19
Test Site:	966-2,966-1	Test Mode:	Transmitting
Tester:	Carl Xue,Mack Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	23.4~26.9	Relative Humidity: (%)	57~63	ATM Pressure: (kPa)	100.1~102.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Below 1GHz					
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
R&S	EMI Test Receiver	ESR3	102724	2023/3/31	2024/3/30
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2023/7/16	2024/7/15
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2023/7/16	2024/7/15
Sonoma	Amplifier	310N	186165	2023/7/16	2024/7/15
Audix	Test Software	E3	201021 (V9)	N/A	N/A
Above 1GHz					
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/7/15	2023/7/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/8/7	2023/8/6
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/8/7	2023/8/6
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/9	2023/11/8
Audix	Test Software	E3	201021 (V9)	N/A	N/A
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2021/2/5	2024/2/4
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2022/9/16	2023/9/15
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2022/8/7	2023/8/6
E-Microwave	Band Rejection Filter	5150-5850MHz	OE01902423	2022/8/7	2023/8/6
Mini Circuits	High Pass Filter	VHF-6010+	31119	2022/8/7	2023/8/6
PASTERNACK	Horn Antenna	PE9850/2F-20	072001	2021/2/5	2024/2/4

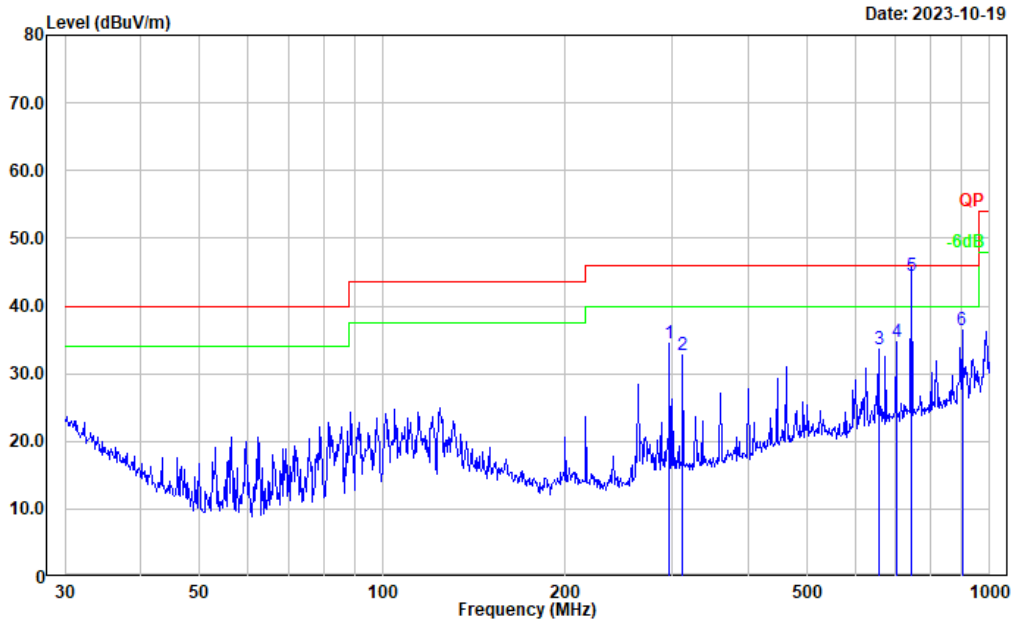
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Please refer to the below table and plots.

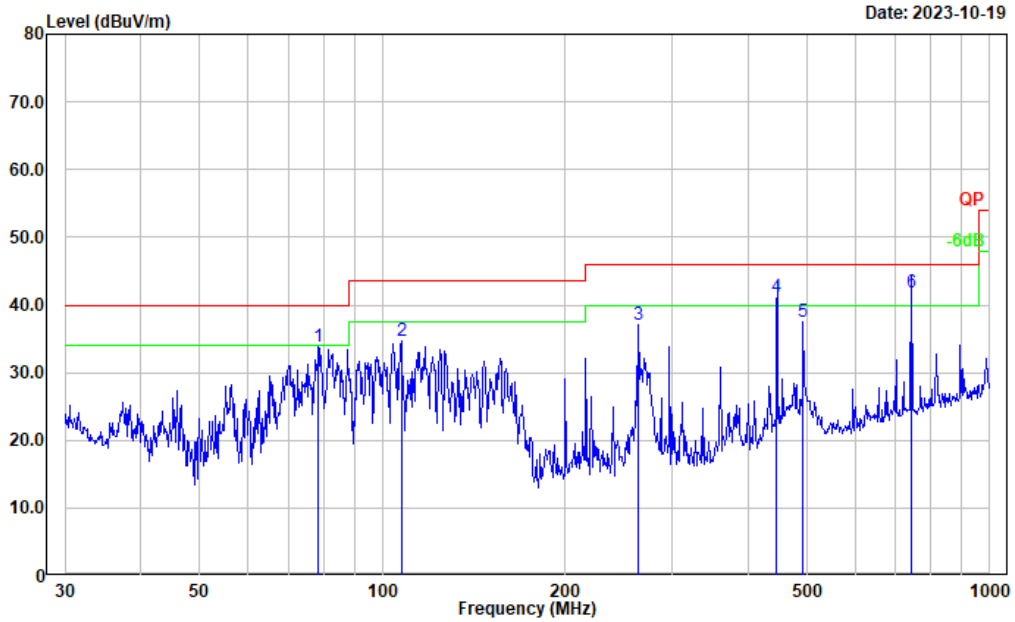
1) 30MHz-1GHz(maximum output power mode, 802.11n ht40 5190MHz)

Project No.: CR230101974-RF
Tester: Carl Xue
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	297.224	45.12	-10.71	34.41	46.00	11.59	Peak
2	312.179	43.40	-10.60	32.80	46.00	13.20	Peak
3	656.530	37.89	-4.28	33.61	46.00	12.39	Peak
4	701.761	38.38	-3.62	34.76	46.00	11.24	Peak
5	744.866	47.55	-3.01	44.54	46.00	1.46	QP
6	900.147	37.36	-0.86	36.50	46.00	9.50	Peak

Project No.: CR230101974-RF
Tester: Carl Xue
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	78.413	51.13	-17.32	33.81	40.00	6.19	Peak
2	107.510	47.54	-12.80	34.74	43.50	8.76	Peak
3	263.819	49.39	-12.38	37.01	46.00	8.99	Peak
4	445.487	48.36	-7.11	41.25	46.00	4.75	QP
5	492.469	43.77	-6.18	37.59	46.00	8.41	Peak
6	742.515	44.90	-3.02	41.88	46.00	4.12	QP

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:				5180	MHz		
5180.000	74.57	PK	H	38.68	107.23	N/A	N/A
5180.000	64.23	AV	H	38.68	96.89	N/A	N/A
5180.000	72.89	PK	V	38.68	105.55	N/A	N/A
5180.000	62.16	AV	V	38.68	94.82	N/A	N/A
5150.000	38.00	PK	H	38.64	70.62	74.00	3.38
5150.000	18.38	AV	H	38.64	51.00	54.00	3.00
10360.000	34.47	PK	H	19.18	47.63	68.20	20.57
15540.000	34.86	PK	H	22.44	51.28	74.00	22.72
15540.000	22.43	AV	H	22.44	38.85	54.00	15.15
Middle Channel:				5200	MHz		
5200.000	76.86	PK	H	38.70	109.54	N/A	N/A
5200.000	66.43	AV	H	38.70	99.11	N/A	N/A
5200.000	75.19	PK	V	38.70	107.87	N/A	N/A
5200.000	65.34	AV	V	38.70	98.02	N/A	N/A
10400.000	33.21	PK	H	19.16	46.35	68.20	21.85
15600.000	37.46	PK	H	22.41	53.85	74.00	20.15
15600.000	25.23	AV	H	22.41	41.62	54.00	12.38
High Channel:				5240	MHz		
5240.000	76.24	PK	H	38.85	109.07	N/A	N/A
5240.000	66.21	AV	H	38.85	99.04	N/A	N/A
5240.000	74.16	PK	V	38.85	106.99	N/A	N/A
5240.000	64.57	AV	V	38.85	97.40	N/A	N/A
5350.000	29.50	PK	H	39.03	62.51	74.00	11.49
5350.000	16.68	AV	H	39.03	49.69	54.00	4.31
10480.000	33.21	PK	H	18.86	46.05	68.20	22.15
15720.000	38.33	PK	H	22.28	54.59	74.00	19.41
15720.000	26.17	AV	H	22.28	42.43	54.00	11.57

802.11a Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5180	MHz		
5180.000	73.26	PK	H	38.68	105.92	N/A	N/A
5180.000	63.34	AV	H	38.68	96.00	N/A	N/A
5180.000	69.05	PK	V	38.68	101.71	N/A	N/A
5180.000	59.63	AV	V	38.68	92.29	N/A	N/A
5150.000	37.15	PK	H	38.64	69.77	74.00	4.23
5150.000	18.81	AV	H	38.64	51.43	54.00	2.57
10360.000	34.39	PK	H	19.18	47.55	68.20	20.65
15540.000	36.17	PK	H	22.44	52.59	74.00	21.41
15540.000	24.09	AV	H	22.44	40.51	54.00	13.49
Middle Channel:				5200	MHz		
5200.000	72.69	PK	H	38.70	105.37	N/A	N/A
5200.000	62.45	AV	H	38.70	95.13	N/A	N/A
5200.000	68.49	PK	V	38.70	101.17	N/A	N/A
5200.000	58.24	AV	V	38.70	90.92	N/A	N/A
10400.000	34.66	PK	H	19.16	47.80	68.20	20.40
15600.000	37.64	PK	H	22.41	54.03	74.00	19.97
15600.000	25.32	AV	H	22.41	41.71	54.00	12.29
High Channel:				5240	MHz		
5240.000	73.16	PK	H	38.85	105.99	N/A	N/A
5240.000	63.89	AV	H	38.85	96.72	N/A	N/A
5240.000	69.23	PK	V	38.85	102.06	N/A	N/A
5240.000	59.45	AV	V	38.85	92.28	N/A	N/A
5350.000	29.65	PK	H	39.03	62.66	74.00	11.34
5350.000	16.63	AV	H	39.03	49.64	54.00	4.36
10480.000	33.63	PK	H	18.86	46.47	68.20	21.73
15720.000	37.72	PK	H	22.28	53.98	74.00	20.02
15720.000	25.36	AV	H	22.28	41.62	54.00	12.38

802.11n ht20:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5180	MHz		
5180.000	73.08	PK	H	38.68	105.74	N/A	N/A
5180.000	62.45	AV	H	38.68	95.11	N/A	N/A
5180.000	72.89	PK	V	38.68	105.55	N/A	N/A
5180.000	61.47	AV	V	38.68	94.13	N/A	N/A
5150.000	35.45	PK	H	38.64	68.07	74.00	5.93
5150.000	18.28	AV	H	38.64	50.90	54.00	3.10
10360.000	35.99	PK	H	19.18	49.15	68.20	19.05
15540.000	35.96	PK	H	22.44	52.38	74.00	21.62
15540.000	23.48	AV	H	22.44	39.90	54.00	14.10
Middle Channel:				5200	MHz		
5200.000	74.01	PK	H	38.70	106.69	N/A	N/A
5200.000	63.36	AV	H	38.70	96.04	N/A	N/A
5200.000	73.64	PK	V	38.70	106.32	N/A	N/A
5200.000	62.12	AV	V	38.70	94.80	N/A	N/A
10400.000	34.91	PK	H	19.16	48.05	68.20	20.15
15600.000	36.70	PK	H	22.41	53.09	74.00	20.91
15600.000	24.35	AV	H	22.41	40.74	54.00	13.26
High Channel:				5240	MHz		
5240.000	73.95	PK	H	38.85	106.78	N/A	N/A
5240.000	62.03	AV	H	38.85	94.86	N/A	N/A
5240.000	73.16	PK	V	38.85	105.99	N/A	N/A
5240.000	62.42	AV	V	38.85	95.25	N/A	N/A
5350.000	30.23	PK	H	39.03	63.24	74.00	10.76
5350.000	16.62	AV	H	39.03	49.63	54.00	4.37
10480.000	34.43	PK	H	18.86	47.27	68.20	20.93
15720.000	38.93	PK	H	22.28	55.19	74.00	18.81
15720.000	26.47	AV	H	22.28	42.73	54.00	11.27

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:				5180	MHz		
5180.000	77.15	PK	H	38.68	109.81	N/A	N/A
5180.000	65.21	AV	H	38.68	97.87	N/A	N/A
5180.000	74.60	PK	V	38.68	107.26	N/A	N/A
5180.000	62.37	AV	V	38.68	95.03	N/A	N/A
5150.000	39.67	PK	H	38.64	72.29	74.00	1.71
5150.000	19.44	AV	H	38.64	52.06	54.00	1.94
10360.000	32.89	PK	H	19.18	46.05	68.20	22.15
15540.000	35.64	PK	H	22.44	52.06	74.00	21.94
15540.000	23.32	AV	H	22.44	39.74	54.00	14.26
Middle Channel:				5200	MHz		
5200.000	75.78	PK	H	38.70	108.46	N/A	N/A
5200.000	63.34	AV	H	38.70	96.02	N/A	N/A
5200.000	74.65	PK	V	38.70	107.33	N/A	N/A
5200.000	62.23	AV	V	38.70	94.91	N/A	N/A
10400.000	33.34	PK	H	19.16	46.48	68.20	21.72
15600.000	36.66	PK	H	22.41	53.05	74.00	20.95
15600.000	24.33	AV	H	22.41	40.72	54.00	13.28
High Channel:				5240	MHz		
5240.000	77.70	PK	H	38.85	110.53	N/A	N/A
5240.000	65.09	AV	H	38.85	97.92	N/A	N/A
5240.000	75.81	PK	V	38.85	108.64	N/A	N/A
5240.000	63.12	AV	V	38.85	95.95	N/A	N/A
5350.000	29.30	PK	H	39.03	62.31	74.00	11.69
5350.000	16.65	AV	H	39.03	49.66	54.00	4.34
10480.000	32.66	PK	H	18.86	45.50	68.20	22.70
15720.000	38.59	PK	H	22.28	54.85	74.00	19.15
15720.000	26.30	AV	H	22.28	42.56	54.00	11.44

802.11n ht40:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5190 MHz							
5190.000	71.27	PK	H	38.69	103.94	N/A	N/A
5190.000	59.42	AV	H	38.69	92.09	N/A	N/A
5190.000	70.22	PK	V	38.69	102.89	N/A	N/A
5190.000	58.46	AV	V	38.69	91.13	N/A	N/A
5150.000	38.34	PK	H	38.64	70.96	74.00	3.04
5150.000	19.45	AV	H	38.64	52.07	54.00	1.93
10380.000	34.30	PK	H	19.17	47.45	68.20	20.75
15570.000	36.44	PK	H	22.43	52.85	74.00	21.15
15570.000	24.22	AV	H	22.43	40.63	54.00	13.37
High Channel: 5230 MHz							
5230.000	71.71	PK	H	38.81	104.50	N/A	N/A
5230.000	59.31	AV	H	38.81	92.10	N/A	N/A
5230.000	70.14	PK	V	38.81	102.93	N/A	N/A
5230.000	58.43	AV	V	38.81	91.22	N/A	N/A
5350.000	29.67	PK	H	39.03	62.68	74.00	11.32
5350.000	16.74	AV	H	39.03	49.75	54.00	4.25
10460.000	33.46	PK	H	18.94	46.38	68.20	21.82
15690.000	38.64	PK	H	22.29	54.91	74.00	19.09
15690.000	26.32	AV	H	22.29	42.59	54.00	11.41

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:				5190	MHz		
5190.000	71.63	PK	H	38.69	104.30	N/A	N/A
5190.000	59.46	AV	H	38.69	92.13	N/A	N/A
5190.000	68.45	PK	V	38.69	101.12	N/A	N/A
5190.000	56.18	AV	V	38.69	88.85	N/A	N/A
5150.000	38.02	PK	H	38.64	70.64	74.00	3.36
5150.000	20.11	AV	H	38.64	52.73	54.00	1.27
10380.000	33.09	PK	H	19.17	46.24	68.20	21.96
15570.000	34.60	PK	H	22.43	51.01	74.00	22.99
15570.000	22.30	AV	H	22.43	38.71	54.00	15.29
High Channel:				5230	MHz		
5230.000	73.73	PK	H	38.81	106.52	N/A	N/A
5230.000	61.93	AV	H	38.81	94.72	N/A	N/A
5230.000	70.51	PK	V	38.81	103.30	N/A	N/A
5230.000	58.32	AV	V	38.81	91.11	N/A	N/A
5350.000	29.84	PK	H	39.03	62.85	74.00	11.15
5350.000	16.99	AV	H	39.03	50.00	54.00	4.00
10460.000	32.80	PK	H	18.94	45.72	68.20	22.48
15690.000	37.96	PK	H	22.29	54.23	74.00	19.77
15690.000	25.48	AV	H	22.29	41.75	54.00	12.25

802.11ac vht80:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Middle Channel:				5210	MHz		
5210.000	62.09	PK	H	38.74	94.81	N/A	N/A
5210.000	50.23	AV	H	38.74	82.95	N/A	N/A
5210.000	62.02	PK	V	38.74	94.74	N/A	N/A
5210.000	50.16	AV	V	38.74	82.88	N/A	N/A
5150.000	29.84	PK	H	38.64	62.46	74.00	11.54
5150.000	17.05	AV	H	38.64	49.67	54.00	4.33
5350.000	29.52	PK	H	39.03	62.53	74.00	11.47
5350.000	16.66	AV	H	39.03	49.67	54.00	4.33
10420.000	33.23	PK	H	19.09	46.30	68.20	21.90
15630.000	36.96	PK	H	22.37	53.31	74.00	20.69
15630.000	24.48	AV	H	22.37	40.83	54.00	13.17

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		
5210.000	66.85	PK	H	38.74	99.57	N/A	N/A
5210.000	54.12	AV	H	38.74	86.84	N/A	N/A
5210.000	65.32	PK	V	38.74	98.04	N/A	N/A
5210.000	53.41	AV	V	38.74	86.13	N/A	N/A
5150.000	36.35	PK	H	38.64	68.97	74.00	5.03
5150.000	20.12	AV	H	38.64	52.74	54.00	1.26
5350.000	30.29	PK	H	39.03	63.30	74.00	10.70
5350.000	16.79	AV	H	39.03	49.80	54.00	4.20
10420.000	34.11	PK	H	19.09	47.18	68.20	21.02
15630.000	37.08	PK	H	22.37	53.43	74.00	20.57
15630.000	25.04	AV	H	22.37	41.39	54.00	12.61

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:				5260	MHz		
5260.000	75.12	PK	H	38.90	108.00	N/A	N/A
5260.000	63.07	AV	H	38.90	95.95	N/A	N/A
5260.000	70.85	PK	V	38.90	103.73	N/A	N/A
5260.000	58.47	AV	V	38.90	91.35	N/A	N/A
5150.000	30.10	PK	H	38.64	62.72	74.00	11.28
5150.000	16.83	AV	H	38.64	49.45	54.00	4.55
10520.000	33.44	PK	H	18.93	46.35	68.20	21.85
15780.000	37.13	PK	H	22.26	53.37	74.00	20.63
15780.000	25.07	AV	H	22.26	41.31	54.00	12.69
Middle Channel:				5280	MHz		
5280.000	73.44	PK	H	38.91	106.33	N/A	N/A
5280.000	61.32	AV	H	38.91	94.21	N/A	N/A
5280.000	69.80	PK	V	38.91	102.69	N/A	N/A
5280.000	57.26	AV	V	38.91	90.15	N/A	N/A
10560.000	33.11	PK	H	19.20	46.29	68.20	21.91
15840.000	36.99	PK	H	22.34	53.31	74.00	20.69
15840.000	24.50	AV	H	22.34	40.82	54.00	13.18
High Channel:				5320	MHz		
5320.000	73.59	PK	H	38.97	106.54	N/A	N/A
5320.000	63.63	AV	H	38.97	96.58	N/A	N/A
5320.000	70.26	PK	V	38.97	103.21	N/A	N/A
5320.000	58.37	AV	V	38.97	91.32	N/A	N/A
5350.000	30.88	PK	H	39.03	63.89	74.00	10.11
5350.000	17.08	AV	H	39.03	50.09	54.00	3.91
10640.000	33.56	PK	H	19.50	47.04	74.00	26.96
10640.000	21.28	AV	H	19.50	34.76	54.00	19.24
15960.000	37.37	PK	H	22.22	53.57	74.00	20.43
15960.000	25.19	AV	H	22.22	41.39	54.00	12.61

802.11a Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5260	MHz		
5260.000	73.12	PK	H	38.90	106.00	N/A	N/A
5260.000	63.24	AV	H	38.90	96.12	N/A	N/A
5260.000	69.47	PK	V	38.90	102.35	N/A	N/A
5260.000	59.33	AV	V	38.90	92.21	N/A	N/A
5150.000	29.78	PK	H	38.64	62.40	74.00	11.60
5150.000	16.23	AV	H	38.64	48.85	54.00	5.15
10520.000	34.12	PK	H	18.93	47.03	68.20	21.17
15780.000	36.78	PK	H	22.26	53.02	74.00	20.98
15780.000	24.39	AV	H	22.26	40.63	54.00	13.37
Middle Channel:				5280	MHz		
5280.000	71.34	PK	H	38.91	104.23	N/A	N/A
5280.000	61.22	AV	H	38.91	94.11	N/A	N/A
5280.000	67.08	PK	V	38.91	99.97	N/A	N/A
5280.000	57.46	AV	V	38.91	90.35	N/A	N/A
10560.000	33.29	PK	H	19.20	46.47	68.20	21.73
15840.000	35.78	PK	H	22.34	52.10	74.00	21.90
15840.000	23.39	AV	H	22.34	39.71	54.00	14.29
High Channel:				5320	MHz		
5320.000	72.67	PK	H	38.97	105.62	N/A	N/A
5320.000	62.13	AV	H	38.97	95.08	N/A	N/A
5320.000	68.57	PK	V	38.97	101.52	N/A	N/A
5320.000	58.42	AV	V	38.97	91.37	N/A	N/A
5350.000	31.12	PK	H	39.03	64.13	74.00	9.87
5350.000	16.92	AV	H	39.03	49.93	54.00	4.07
10640.000	34.12	PK	H	19.50	47.60	74.00	26.40
10640.000	22.06	AV	H	19.50	35.54	54.00	18.46
15960.000	36.84	PK	H	22.22	53.04	74.00	20.96
15960.000	24.42	AV	H	22.22	40.62	54.00	13.38

802.11n ht20:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5260	MHz		
5260.000	73.58	PK	H	38.90	106.46	N/A	N/A
5260.000	61.25	AV	H	38.90	94.13	N/A	N/A
5260.000	68.60	PK	V	38.90	101.48	N/A	N/A
5260.000	56.23	AV	V	38.90	89.11	N/A	N/A
5150.000	30.41	PK	H	38.64	63.03	74.00	10.97
5150.000	16.83	AV	H	38.64	49.45	54.00	4.55
10520.000	33.56	PK	H	18.93	46.47	68.20	21.73
15780.000	37.09	PK	H	22.26	53.33	74.00	20.67
15780.000	25.05	AV	H	22.26	41.29	54.00	12.71
Middle Channel:				5280	MHz		
5280.000	72.80	PK	H	38.91	105.69	N/A	N/A
5280.000	60.90	AV	H	38.91	93.79	N/A	N/A
5280.000	66.81	PK	V	38.91	99.70	N/A	N/A
5280.000	54.16	AV	V	38.91	87.05	N/A	N/A
10560.000	33.08	PK	H	19.20	46.26	68.20	21.94
15840.000	35.90	PK	H	22.34	52.22	74.00	21.78
15840.000	23.45	AV	H	22.34	39.77	54.00	14.23
High Channel:				5320	MHz		
5320.000	72.56	PK	H	38.97	105.51	N/A	N/A
5320.000	60.22	AV	H	38.97	93.17	N/A	N/A
5320.000	69.59	PK	V	38.97	102.54	N/A	N/A
5320.000	57.45	AV	V	38.97	90.40	N/A	N/A
5350.000	30.34	PK	H	39.03	63.35	74.00	10.65
5350.000	17.06	AV	H	39.03	50.07	54.00	3.93
10640.000	33.48	PK	H	19.50	46.96	74.00	27.04
10640.000	21.24	AV	H	19.50	34.72	54.00	19.28
15960.000	38.22	PK	H	22.22	54.42	74.00	19.58
15960.000	26.11	AV	H	22.22	42.31	54.00	11.69

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:				5260	MHz		
5260.000	78.34	PK	H	38.90	111.22	N/A	N/A
5260.000	66.44	AV	H	38.90	99.32	N/A	N/A
5260.000	73.98	PK	V	38.90	106.86	N/A	N/A
5260.000	61.17	AV	V	38.90	94.05	N/A	N/A
5150.000	29.41	PK	H	38.64	62.03	74.00	11.97
5150.000	16.90	AV	H	38.64	49.52	54.00	4.48
10520.000	33.29	PK	H	18.93	46.20	68.20	22.00
15780.000	37.06	PK	H	22.26	53.30	74.00	20.70
15780.000	25.03	AV	H	22.26	41.27	54.00	12.73
Middle Channel:				5280	MHz		
5280.000	77.96	PK	H	38.91	110.85	N/A	N/A
5280.000	65.32	AV	H	38.91	98.21	N/A	N/A
5280.000	73.72	PK	V	38.91	106.61	N/A	N/A
5280.000	61.46	AV	V	38.91	94.35	N/A	N/A
10560.000	33.03	PK	H	19.20	46.21	68.20	21.99
15840.000	36.48	PK	H	22.34	52.80	74.00	21.20
15840.000	24.24	AV	H	22.34	40.56	54.00	13.44
High Channel:				5320	MHz		
5320.000	78.70	PK	H	38.97	111.65	N/A	N/A
5320.000	66.93	AV	H	38.97	99.88	N/A	N/A
5320.000	73.98	PK	V	38.97	106.93	N/A	N/A
5320.000	61.25	AV	V	38.97	94.20	N/A	N/A
5350.000	32.07	PK	H	39.03	65.08	74.00	8.92
5350.000	17.61	AV	H	39.03	50.62	54.00	3.38
10640.000	33.72	PK	H	19.50	47.20	74.00	26.80
10640.000	21.36	AV	H	19.50	34.84	54.00	19.16
15960.000	38.96	PK	H	22.22	55.16	74.00	18.84
15960.000	26.48	AV	H	22.22	42.68	54.00	11.32

802.11n ht40:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5270 MHz							
5270.000	70.90	PK	H	38.91	103.79	N/A	N/A
5270.000	58.23	AV	H	38.91	91.12	N/A	N/A
5270.000	65.95	PK	V	38.91	98.84	N/A	N/A
5270.000	53.12	AV	V	38.91	86.01	N/A	N/A
5150.000	29.95	PK	H	38.64	62.57	74.00	11.43
5150.000	16.89	AV	H	38.64	49.51	54.00	4.49
10540.000	32.89	PK	H	19.07	45.94	68.20	22.26
15810.000	37.33	PK	H	22.28	53.59	74.00	20.41
15810.000	25.21	AV	H	22.28	41.47	54.00	12.53
High Channel: 5310 MHz							
5310.000	72.23	PK	H	38.95	105.16	N/A	N/A
5310.000	60.47	AV	H	38.95	93.40	N/A	N/A
5310.000	63.39	PK	V	38.95	96.32	N/A	N/A
5310.000	51.46	AV	V	38.95	84.39	N/A	N/A
5350.000	38.03	PK	H	39.03	71.04	74.00	2.96
5350.000	18.76	AV	H	39.03	51.77	54.00	2.23
10620.000	33.53	PK	H	19.49	47.00	74.00	27.00
10620.000	21.27	AV	H	19.49	34.74	54.00	19.26
15930.000	37.06	PK	H	22.33	53.37	74.00	20.63
15930.000	25.03	AV	H	22.33	41.34	54.00	12.66

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							
5270.000	72.35	PK	H	38.91	105.24	N/A	N/A
5270.000	60.08	AV	H	38.91	92.97	N/A	N/A
5270.000	69.43	PK	V	38.91	102.32	N/A	N/A
5270.000	57.51	AV	V	38.91	90.40	N/A	N/A
5150.000	29.82	PK	H	38.64	62.44	74.00	11.56
5150.000	16.93	AV	H	38.64	49.55	54.00	4.45
10540.000	33.00	PK	H	19.07	46.05	68.20	22.15
15810.000	37.57	PK	H	22.28	53.83	74.00	20.17
15810.000	25.29	AV	H	22.28	41.55	54.00	12.45
High Channel: 5310 MHz							
5310.000	70.12	PK	H	38.95	103.05	N/A	N/A
5310.000	58.36	AV	H	38.95	91.29	N/A	N/A
5310.000	68.97	PK	V	38.95	101.90	N/A	N/A
5310.000	56.14	AV	V	38.95	89.07	N/A	N/A
5350.000	38.07	PK	H	39.03	71.08	74.00	2.92
5350.000	19.26	AV	H	39.03	52.27	54.00	1.73
10620.000	33.16	PK	H	19.49	46.63	74.00	27.37
10620.000	21.08	AV	H	19.49	34.55	54.00	19.45
15930.000	36.78	PK	H	22.33	53.09	74.00	20.91
15930.000	24.39	AV	H	22.33	40.70	54.00	13.30

802.11ac vht80:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Middle Channel:				5290	MHz		
5290.000	62.50	PK	H	38.92	95.40	N/A	N/A
5290.000	51.82	AV	H	38.92	84.72	N/A	N/A
5290.000	60.18	PK	V	38.92	93.08	N/A	N/A
5290.000	49.43	AV	V	38.92	82.33	N/A	N/A
5150.000	29.48	PK	H	38.64	62.10	74.00	11.90
5150.000	16.78	AV	H	38.64	49.40	54.00	4.60
5350.000	30.44	PK	H	39.03	63.45	74.00	10.55
5350.000	16.89	AV	H	39.03	49.90	54.00	4.10
10580.000	33.78	PK	H	19.34	47.10	68.20	21.10
15870.000	34.69	PK	H	22.39	51.06	74.00	22.94
15870.000	22.35	AV	H	22.39	38.72	54.00	15.28

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		
5290.000	66.39	PK	H	38.92	99.29	N/A	N/A
5290.000	55.47	AV	H	38.92	88.37	N/A	N/A
5290.000	64.78	PK	V	38.92	97.68	N/A	N/A
5290.000	53.26	AV	V	38.92	86.16	N/A	N/A
5150.000	30.85	PK	H	38.64	63.47	74.00	10.53
5150.000	17.40	AV	H	38.64	50.02	54.00	3.98
5350.000	35.84	PK	H	39.03	68.85	74.00	5.15
5350.000	19.85	AV	H	39.03	52.86	54.00	1.14
10580.000	34.29	PK	H	19.34	47.61	68.20	20.59
15870.000	35.66	PK	H	22.39	52.03	74.00	21.97
15870.000	23.33	AV	H	22.39	39.70	54.00	14.30

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:				5500	MHz		
5500.000	74.11	PK	H	39.32	107.41	N/A	N/A
5500.000	63.08	AV	H	39.32	96.38	N/A	N/A
5500.000	71.50	PK	V	39.32	104.80	N/A	N/A
5500.000	60.28	AV	V	39.32	93.58	N/A	N/A
5470.000	33.65	PK	H	39.27	66.90	68.20	1.30
11000.000	33.24	PK	H	19.83	47.05	74.00	26.95
11000.000	21.12	AV	H	19.83	34.93	54.00	19.07
16500.000	34.56	PK	H	22.73	51.27	68.20	16.93
Middle Channel:				5580	MHz		
5580.000	77.33	PK	H	39.43	110.74	N/A	N/A
5580.000	66.47	AV	H	39.43	99.88	N/A	N/A
5580.000	74.42	PK	V	39.43	107.83	N/A	N/A
5580.000	63.16	AV	V	39.43	96.57	N/A	N/A
11160.000	32.69	PK	H	19.97	46.64	74.00	27.36
11160.000	20.35	AV	H	19.97	34.30	54.00	19.70
16740.000	35.78	PK	H	23.68	53.44	68.20	14.76
High Channel:				5700	MHz		
5700.000	75.52	PK	H	39.51	109.01	N/A	N/A
5700.000	64.98	AV	H	39.51	98.47	N/A	N/A
5700.000	71.44	PK	V	39.51	104.93	N/A	N/A
5700.000	60.27	AV	V	39.51	93.76	N/A	N/A
5725.000	33.51	PK	H	39.48	66.97	68.20	1.23
11400.000	33.46	PK	H	20.93	48.37	74.00	25.63
11400.000	21.23	AV	H	20.93	36.14	54.00	17.86
17100.000	34.37	PK	H	26.19	54.54	68.20	13.66

802.11a: Chain 1

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5500	MHz		
5500.000	73.68	PK	H	39.32	106.98	N/A	N/A
5500.000	61.67	AV	H	39.32	94.97	N/A	N/A
5500.000	68.66	PK	V	39.32	101.96	N/A	N/A
5500.000	56.45	AV	V	39.32	89.75	N/A	N/A
5470.000	33.36	PK	H	39.27	66.61	68.20	1.59
11000.000	32.14	PK	H	19.83	45.95	74.00	28.05
11000.000	20.07	AV	H	19.83	33.88	54.00	20.12
16500.000	34.55	PK	H	22.73	51.26	68.20	16.94
Middle Channel:				5580	MHz		
5580.000	72.51	PK	H	39.43	105.92	N/A	N/A
5580.000	60.46	AV	H	39.43	93.87	N/A	N/A
5580.000	66.41	PK	V	39.43	99.82	N/A	N/A
5580.000	54.29	AV	V	39.43	87.70	N/A	N/A
11160.000	33.12	PK	H	19.97	47.07	74.00	26.93
11160.000	21.06	AV	H	19.97	35.01	54.00	18.99
16740.000	36.37	PK	H	23.68	54.03	68.20	14.17
High Channel:				5700	MHz		
5700.000	73.71	PK	H	39.51	107.20	N/A	N/A
5700.000	62.45	AV	H	39.51	95.94	N/A	N/A
5700.000	66.36	PK	V	39.51	99.85	N/A	N/A
5700.000	55.14	AV	V	39.51	88.63	N/A	N/A
5725.000	33.33	PK	H	39.48	66.79	68.20	1.41
11400.000	32.46	PK	H	20.93	47.37	74.00	26.63
11400.000	20.23	AV	H	20.93	35.14	54.00	18.86
17100.000	34.62	PK	H	26.19	54.79	68.20	13.41

802.11n ht20:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5500	MHz		
5500.000	74.70	PK	H	39.32	108.00	N/A	N/A
5500.000	63.58	AV	H	39.32	96.88	N/A	N/A
5500.000	70.08	PK	V	39.32	103.38	N/A	N/A
5500.000	59.31	AV	V	39.32	92.61	N/A	N/A
5470.000	33.28	PK	H	39.27	66.53	68.20	1.67
11000.000	34.11	PK	H	19.83	47.92	74.00	26.08
11000.000	22.06	AV	H	19.83	35.87	54.00	18.13
16500.000	35.23	PK	H	22.73	51.94	68.20	16.26
Middle Channel:				5580	MHz		
5580.000	76.61	PK	H	39.43	110.02	N/A	N/A
5580.000	65.13	AV	H	39.43	98.54	N/A	N/A
5580.000	72.65	PK	V	39.43	106.06	N/A	N/A
5580.000	61.47	AV	V	39.43	94.88	N/A	N/A
11160.000	33.22	PK	H	19.97	47.17	74.00	26.83
11160.000	21.11	AV	H	19.97	35.06	54.00	18.94
16740.000	36.07	PK	H	23.68	53.73	68.20	14.47
High Channel:				5700	MHz		
5700.000	73.59	PK	H	39.51	107.08	N/A	N/A
5700.000	62.41	AV	H	39.51	95.90	N/A	N/A
5700.000	68.17	PK	V	39.51	101.66	N/A	N/A
5700.000	57.36	AV	V	39.51	90.85	N/A	N/A
5725.000	33.34	PK	H	39.48	66.80	68.20	1.40
11400.000	34.36	PK	H	20.93	49.27	74.00	24.73
11400.000	22.18	AV	H	20.93	37.09	54.00	16.91
17100.000	36.23	PK	H	26.19	56.40	68.20	11.80

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:				5500	MHz		
5500.000	79.06	PK	H	39.32	112.36	N/A	N/A
5500.000	67.15	AV	H	39.32	100.45	N/A	N/A
5500.000	70.39	PK	V	39.32	103.69	N/A	N/A
5500.000	58.12	AV	V	39.32	91.42	N/A	N/A
5470.000	33.66	PK	H	39.27	66.91	68.20	1.29
11000.000	32.78	PK	H	19.83	46.59	74.00	27.41
11000.000	20.39	AV	H	19.83	34.20	54.00	19.80
16500.000	34.98	PK	H	22.73	51.69	68.20	16.51
Middle Channel:				5580	MHz		
5580.000	80.17	PK	H	39.43	113.58	N/A	N/A
5580.000	68.25	AV	H	39.43	101.66	N/A	N/A
5580.000	71.78	PK	V	39.43	105.19	N/A	N/A
5580.000	59.32	AV	V	39.43	92.73	N/A	N/A
11160.000	33.65	PK	H	19.97	47.60	74.00	26.40
11160.000	21.33	AV	H	19.97	35.28	54.00	18.72
16740.000	36.42	PK	H	23.68	54.08	68.20	14.12
High Channel:				5700	MHz		
5700.000	76.73	PK	H	39.51	110.22	N/A	N/A
5700.000	64.34	AV	H	39.51	97.83	N/A	N/A
5700.000	67.19	PK	V	39.51	100.68	N/A	N/A
5700.000	55.28	AV	V	39.51	88.77	N/A	N/A
5725.000	33.53	PK	H	39.48	66.99	68.20	1.21
11400.000	33.45	PK	H	20.93	48.36	74.00	25.64
11400.000	21.23	AV	H	20.93	36.14	54.00	17.86
17100.000	36.30	PK	H	26.19	56.47	68.20	11.73

802.11n ht40:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5510	MHz		
5510.000	69.73	PK	H	39.35	103.06	N/A	N/A
5510.000	57.50	AV	H	39.35	90.83	N/A	N/A
5510.000	62.96	PK	V	39.35	96.29	N/A	N/A
5510.000	50.41	AV	V	39.35	83.74	N/A	N/A
5470.000	33.67	PK	H	39.27	66.92	68.20	1.28
11020.000	34.80	PK	H	19.85	48.63	74.00	25.37
11020.000	22.40	AV	H	19.85	36.23	54.00	17.77
16530.000	34.82	PK	H	23.02	51.82	68.20	16.38
Middle Channel:				5550	MHz		
5550.000	75.16	PK	H	39.46	108.60	N/A	N/A
5550.000	63.34	AV	H	39.46	96.78	N/A	N/A
5550.000	69.53	PK	V	39.46	102.97	N/A	N/A
5550.000	57.16	AV	V	39.46	90.60	N/A	N/A
11100.000	33.12	PK	H	19.95	47.05	74.00	26.95
11100.000	21.06	AV	H	19.95	34.99	54.00	19.01
16650.000	36.78	PK	H	23.65	54.41	68.20	13.79
High Channel:				5670	MHz		
5670.000	73.56	PK	H	39.50	107.04	N/A	N/A
5670.000	61.23	AV	H	39.50	94.71	N/A	N/A
5670.000	68.01	PK	V	39.50	101.49	N/A	N/A
5670.000	56.37	AV	V	39.50	89.85	N/A	N/A
5725.000	32.63	PK	H	39.48	66.09	68.20	2.11
11340.000	34.41	PK	H	20.77	49.16	74.00	24.84
11340.000	22.21	AV	H	20.77	36.96	54.00	17.04
17010.000	35.58	PK	H	25.56	55.12	68.20	13.08

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		
5510.000	70.95	PK	H	39.35	104.28	N/A	N/A
5510.000	58.08	AV	H	39.35	91.41	N/A	N/A
5510.000	65.46	PK	V	39.35	98.79	N/A	N/A
5510.000	53.17	AV	V	39.35	86.50	N/A	N/A
5470.000	33.85	PK	H	39.27	67.10	68.20	1.10
11020.000	34.11	PK	H	19.85	47.94	74.00	26.06
11020.000	22.06	AV	H	19.85	35.89	54.00	18.11
16530.000	35.02	PK	H	23.02	52.02	68.20	16.18
Middle Channel:				5550	MHz		
5550.000	76.46	PK	H	39.46	109.90	N/A	N/A
5550.000	64.23	AV	H	39.46	97.67	N/A	N/A
5550.000	71.95	PK	V	39.46	105.39	N/A	N/A
5550.000	59.34	AV	V	39.46	92.78	N/A	N/A
11100.000	34.06	PK	H	19.95	47.99	74.00	26.01
11100.000	22.03	AV	H	19.95	35.96	54.00	18.04
16650.000	36.12	PK	H	23.65	53.75	68.20	14.45
High Channel:				5670	MHz		
5670.000	74.39	PK	H	39.50	107.87	N/A	N/A
5670.000	62.13	AV	H	39.50	95.61	N/A	N/A
5670.000	69.15	PK	V	39.50	102.63	N/A	N/A
5670.000	57.32	AV	V	39.50	90.80	N/A	N/A
5725.000	32.10	PK	H	39.48	65.56	68.20	2.64
11340.000	33.48	PK	H	20.77	48.23	74.00	25.77
11340.000	21.24	AV	H	20.77	35.99	54.00	18.01
17010.000	34.96	PK	H	25.56	54.50	68.20	13.70

802.11ac vht80:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5530 MHz							
5530.000	62.09	PK	H	39.40	95.47	N/A	N/A
5530.000	50.33	AV	H	39.40	83.71	N/A	N/A
5530.000	60.26	PK	V	39.40	93.64	N/A	N/A
5530.000	48.15	AV	V	39.40	81.53	N/A	N/A
5470.000	31.03	PK	H	39.27	64.28	68.20	3.92
11060.000	34.58	PK	H	19.90	48.46	74.00	25.54
11060.000	22.29	AV	H	19.90	36.17	54.00	17.83
16590.000	36.04	PK	H	23.59	53.61	68.20	14.59
High Channel: 5610 MHz							
5610.000	62.37	PK	H	39.43	95.78	N/A	N/A
5610.000	50.11	AV	H	39.43	83.52	N/A	N/A
5610.000	61.29	PK	V	39.43	94.70	N/A	N/A
5610.000	49.34	AV	V	39.43	82.75	N/A	N/A
5725.000	30.73	PK	H	39.48	64.19	122.20	58.01
11220.000	34.80	PK	H	20.13	48.91	74.00	25.09
11220.000	22.40	AV	H	20.13	36.51	54.00	17.49
16830.000	36.01	PK	H	24.13	54.12	68.20	14.08

802.11ax hew80:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 5530 MHz							
5530.000	67.82	PK	H	39.40	101.20	N/A	N/A
5530.000	55.69	AV	H	39.40	89.07	N/A	N/A
5530.000	63.91	PK	V	39.40	97.29	N/A	N/A
5530.000	51.23	AV	V	39.40	84.61	N/A	N/A
5470.000	33.41	PK	H	39.27	66.66	68.20	1.54
11060.000	34.78	PK	H	19.90	48.66	74.00	25.34
11060.000	22.39	AV	H	19.90	36.27	54.00	17.73
16590.000	35.96	PK	H	23.59	53.53	68.20	14.67
High Channel: 5610 MHz							
5610.000	73.44	PK	H	39.43	106.85	N/A	N/A
5610.000	61.25	AV	H	39.43	94.66	N/A	N/A
5610.000	69.31	PK	V	39.43	102.72	N/A	N/A
5610.000	57.42	AV	V	39.43	90.83	N/A	N/A
5725.000	32.42	PK	H	39.48	65.88	68.20	2.32
11220.000	35.12	PK	H	20.13	49.23	74.00	24.77
11220.000	23.06	AV	H	20.13	37.17	54.00	16.83
16830.000	35.46	PK	H	24.13	53.57	68.20	14.63

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:				5745	MHz		
5745.000	76.62	PK	H	39.46	110.06	N/A	N/A
5745.000	65.21	AV	H	39.46	98.65	N/A	N/A
5745.000	73.36	PK	V	39.46	106.80	N/A	N/A
5745.000	62.49	AV	V	39.46	95.93	N/A	N/A
5725.000	46.26	PK	H	39.48	79.72	122.20	42.48
5720.000	37.92	PK	H	39.49	71.39	110.80	39.41
5700.000	31.69	PK	H	39.51	65.18	105.20	40.02
5650.000	29.45	PK	H	39.49	62.92	68.20	5.28
11490.000	34.39	PK	H	20.67	49.04	74.00	24.96
11490.000	22.20	AV	H	20.67	36.85	54.00	17.15
17235.000	34.57	PK	H	26.76	55.31	68.20	12.89
Middle Channel:				5785	MHz		
5785.000	75.43	PK	H	39.44	108.85	N/A	N/A
5785.000	64.12	AV	H	39.44	97.54	N/A	N/A
5785.000	73.43	PK	V	39.44	106.85	N/A	N/A
5785.000	62.31	AV	V	39.44	95.73	N/A	N/A
11570.000	33.60	PK	H	20.83	48.41	74.00	25.59
11570.000	21.30	AV	H	20.83	36.11	54.00	17.89
17355.000	34.01	PK	H	27.74	55.73	68.20	12.47
High Channel:				5825	MHz		
5825.000	77.68	PK	H	39.46	111.12	N/A	N/A
5825.000	67.50	AV	H	39.46	100.94	N/A	N/A
5825.000	73.29	PK	V	39.46	106.73	N/A	N/A
5825.000	63.47	AV	V	39.46	96.91	N/A	N/A
5850.000	40.46	PK	H	39.49	73.93	122.20	48.27
5855.000	35.19	PK	H	39.51	68.68	110.80	42.12
5875.000	32.21	PK	H	39.60	65.79	105.20	39.41
5925.000	30.12	PK	H	39.68	63.78	68.20	4.42
11650.000	33.68	PK	H	21.07	48.73	74.00	25.27
11650.000	21.34	AV	H	21.07	36.39	54.00	17.61
17475.000	34.55	PK	H	28.61	57.14	68.20	11.06

802.11a Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5745	MHz		
5745.000	73.84	PK	H	39.46	107.28	N/A	N/A
5745.000	63.80	AV	H	39.46	97.24	N/A	N/A
5745.000	67.28	PK	V	39.46	100.72	N/A	N/A
5745.000	57.19	AV	V	39.46	90.63	N/A	N/A
5725.000	42.58	PK	H	39.48	76.04	122.20	46.16
5720.000	40.39	PK	H	39.49	73.86	110.80	36.94
5700.000	31.64	PK	H	39.51	65.13	105.20	40.07
5650.000	30.11	PK	H	39.49	63.58	68.20	4.62
11490.000	33.85	PK	H	20.67	48.50	74.00	25.50
11490.000	21.43	AV	H	20.67	36.08	54.00	17.92
17235.000	33.64	PK	H	26.76	54.38	68.20	13.82
Middle Channel:				5785	MHz		
5785.000	72.67	PK	H	39.44	106.09	N/A	N/A
5785.000	62.34	AV	H	39.44	95.76	N/A	N/A
5785.000	69.07	PK	V	39.44	102.49	N/A	N/A
5785.000	59.26	AV	V	39.44	92.68	N/A	N/A
11570.000	34.13	PK	H	20.83	48.94	74.00	25.06
11570.000	22.07	AV	H	20.83	36.88	54.00	17.12
17355.000	33.39	PK	H	27.74	55.11	68.20	13.09
High Channel:				5825	MHz		
5825.000	73.97	PK	H	39.46	107.41	N/A	N/A
5825.000	63.12	AV	H	39.46	96.56	N/A	N/A
5825.000	68.26	PK	V	39.46	101.70	N/A	N/A
5825.000	58.43	AV	V	39.46	91.87	N/A	N/A
5850.000	36.39	PK	H	39.49	69.86	122.20	52.34
5855.000	34.80	PK	H	39.51	68.29	110.80	42.51
5875.000	32.05	PK	H	39.60	65.63	105.20	39.57
5925.000	31.57	PK	H	39.68	65.23	68.20	2.97
11650.000	35.06	PK	H	21.07	50.11	74.00	23.89
11650.000	23.03	AV	H	21.07	38.08	54.00	15.92
17475.000	34.05	PK	H	28.61	56.64	68.20	11.56

802.11n ht20:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5745	MHz		
5745.000	76.69	PK	H	39.46	110.13	N/A	N/A
5745.000	64.27	AV	H	39.46	97.71	N/A	N/A
5745.000	68.91	PK	V	39.46	102.35	N/A	N/A
5745.000	56.37	AV	V	39.46	89.81	N/A	N/A
5725.000	48.88	PK	H	39.48	82.34	122.20	39.86
5720.000	43.14	PK	H	39.49	76.61	110.80	34.19
5700.000	31.43	PK	H	39.51	64.92	105.20	40.28
5650.000	30.35	PK	H	39.49	63.82	68.20	4.38
11490.000	33.72	PK	H	20.67	48.37	74.00	25.63
11490.000	21.36	AV	H	20.67	36.01	54.00	17.99
17235.000	34.11	PK	H	26.76	54.85	68.20	13.35
Middle Channel:				5785	MHz		
5785.000	76.58	PK	H	39.44	110.00	N/A	N/A
5785.000	64.23	AV	H	39.44	97.65	N/A	N/A
5785.000	68.80	PK	V	39.44	102.22	N/A	N/A
5785.000	56.25	AV	V	39.44	89.67	N/A	N/A
11570.000	34.08	PK	H	20.83	48.89	74.00	25.11
11570.000	22.04	AV	H	20.83	36.85	54.00	17.15
17355.000	34.49	PK	H	27.74	56.21	68.20	11.99
High Channel:				5825	MHz		
5825.000	76.53	PK	H	39.46	109.97	N/A	N/A
5825.000	64.50	AV	H	39.46	97.94	N/A	N/A
5825.000	69.19	PK	V	39.46	102.63	N/A	N/A
5825.000	57.45	AV	V	39.46	90.89	N/A	N/A
5850.000	43.34	PK	H	39.49	76.81	122.20	45.39
5855.000	37.35	PK	H	39.51	70.84	110.80	39.96
5875.000	31.69	PK	H	39.60	65.27	105.20	39.93
5925.000	31.14	PK	H	39.68	64.80	68.20	3.40
11650.000	34.76	PK	H	21.07	49.81	74.00	24.19
11650.000	22.38	AV	H	21.07	37.43	54.00	16.57
17475.000	33.97	PK	H	28.61	56.56	68.20	11.64

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:				5745	MHz		
5745.000	80.61	PK	H	39.46	114.05	N/A	N/A
5745.000	68.12	AV	H	39.46	101.56	N/A	N/A
5745.000	71.01	PK	V	39.46	104.45	N/A	N/A
5745.000	60.78	AV	V	39.46	94.22	N/A	N/A
5725.000	52.70	PK	H	39.48	86.16	122.20	36.04
5720.000	44.00	PK	H	39.49	77.47	110.80	33.33
5700.000	33.03	PK	H	39.51	66.52	105.20	38.68
5650.000	30.92	PK	H	39.49	64.39	68.20	3.81
11490.000	33.56	PK	H	20.67	48.21	74.00	25.79
11490.000	21.28	AV	H	20.67	35.93	54.00	18.07
17235.000	34.03	PK	H	26.76	54.77	68.20	13.43
Middle Channel:				5785	MHz		
5785.000	79.03	PK	H	39.44	112.45	N/A	N/A
5785.000	67.45	AV	H	39.44	100.87	N/A	N/A
5785.000	72.13	PK	V	39.44	105.55	N/A	N/A
5785.000	60.47	AV	V	39.44	93.89	N/A	N/A
11570.000	34.02	PK	H	20.83	48.83	74.00	25.17
11570.000	22.01	AV	H	20.83	36.82	54.00	17.18
17355.000	35.00	PK	H	27.74	56.72	68.20	11.48
High Channel:				5825	MHz		
5825.000	79.43	PK	H	39.46	112.87	N/A	N/A
5825.000	67.06	AV	H	39.46	100.50	N/A	N/A
5825.000	72.73	PK	V	39.46	106.17	N/A	N/A
5825.000	60.28	AV	V	39.46	93.72	N/A	N/A
5850.000	45.77	PK	H	39.49	79.24	122.20	42.96
5855.000	37.37	PK	H	39.51	70.86	110.80	39.94
5875.000	32.15	PK	H	39.60	65.73	105.20	39.47
5925.000	31.45	PK	H	39.68	65.11	68.20	3.09
11650.000	35.54	PK	H	21.07	50.59	74.00	23.41
11650.000	23.27	AV	H	21.07	38.32	54.00	15.68
17475.000	34.36	PK	H	28.61	56.95	68.20	11.25

802.11n ht40:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5755	MHz		
5755.000	73.61	PK	H	39.45	107.04	N/A	N/A
5755.000	61.27	AV	H	39.45	94.70	N/A	N/A
5755.000	66.24	PK	V	39.45	99.67	N/A	N/A
5755.000	54.48	AV	V	39.45	87.91	N/A	N/A
5725.000	47.67	PK	H	39.48	81.13	122.20	41.07
5720.000	46.06	PK	H	39.49	79.53	110.80	31.27
5700.000	34.43	PK	H	39.51	67.92	105.20	37.28
5650.000	30.81	PK	H	39.49	64.28	68.20	3.92
11510.000	33.83	PK	H	20.67	48.48	74.00	25.52
11510.000	21.42	AV	H	20.67	36.07	54.00	17.93
17265.000	33.74	PK	H	26.94	54.66	68.20	13.54
High Channel:				5795	MHz		
5795.000	72.83	PK	H	39.43	106.24	N/A	N/A
5795.000	60.46	AV	H	39.43	93.87	N/A	N/A
5795.000	66.05	PK	V	39.43	99.46	N/A	N/A
5795.000	54.38	AV	V	39.43	87.79	N/A	N/A
5850.000	35.23	PK	H	39.49	68.70	122.20	53.50
5855.000	33.37	PK	H	39.51	66.86	110.80	43.94
5875.000	32.31	PK	H	39.60	65.89	105.20	39.31
5925.000	31.50	PK	H	39.68	65.16	68.20	3.04
11590.000	33.64	PK	H	20.88	48.50	74.00	25.50
11590.000	21.32	AV	H	20.88	36.18	54.00	17.82
17385.000	33.81	PK	H	28.07	55.86	68.20	12.34

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:				5755	MHz		
5755.000	73.42	PK	H	39.45	106.85	N/A	N/A
5755.000	61.64	AV	H	39.45	95.07	N/A	N/A
5755.000	67.33	PK	V	39.45	100.76	N/A	N/A
5755.000	55.17	AV	V	39.45	88.60	N/A	N/A
5725.000	49.47	PK	H	39.48	82.93	122.20	39.27
5720.000	50.13	PK	H	39.49	83.60	110.80	27.20
5700.000	38.81	PK	H	39.51	72.30	105.20	32.90
5650.000	31.01	PK	H	39.49	64.48	68.20	3.72
11510.000	34.32	PK	H	20.67	48.97	74.00	25.03
11510.000	22.16	AV	H	20.67	36.81	54.00	17.19
17265.000	34.01	PK	H	26.94	54.93	68.20	13.27
High Channel:				5795	MHz		
5795.000	73.06	PK	H	39.43	106.47	N/A	N/A
5795.000	61.49	AV	H	39.43	94.90	N/A	N/A
5795.000	69.35	PK	V	39.43	102.76	N/A	N/A
5795.000	57.46	AV	V	39.43	90.87	N/A	N/A
5850.000	39.23	PK	H	39.49	72.70	122.20	49.50
5855.000	38.58	PK	H	39.51	72.07	110.80	38.73
5875.000	32.20	PK	H	39.60	65.78	105.20	39.42
5925.000	31.41	PK	H	39.68	65.07	68.20	3.13
11590.000	34.03	PK	H	20.88	48.89	74.00	25.11
11590.000	22.02	AV	H	20.88	36.88	54.00	17.12
17385.000	34.80	PK	H	28.07	56.85	68.20	11.35

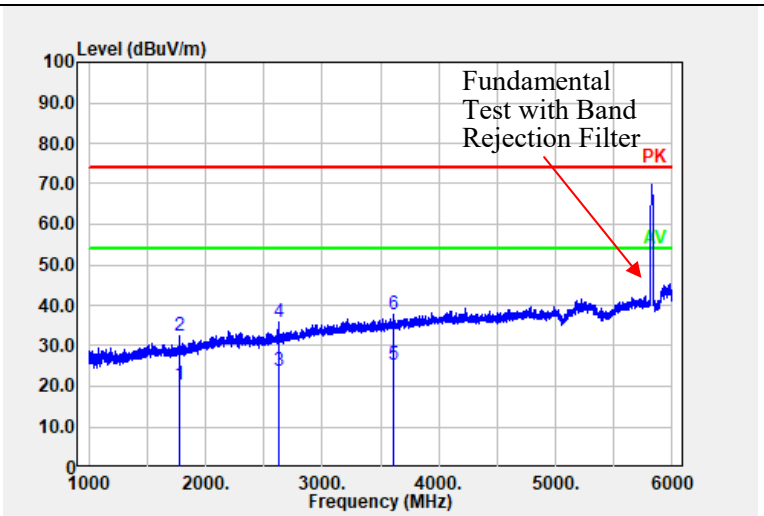
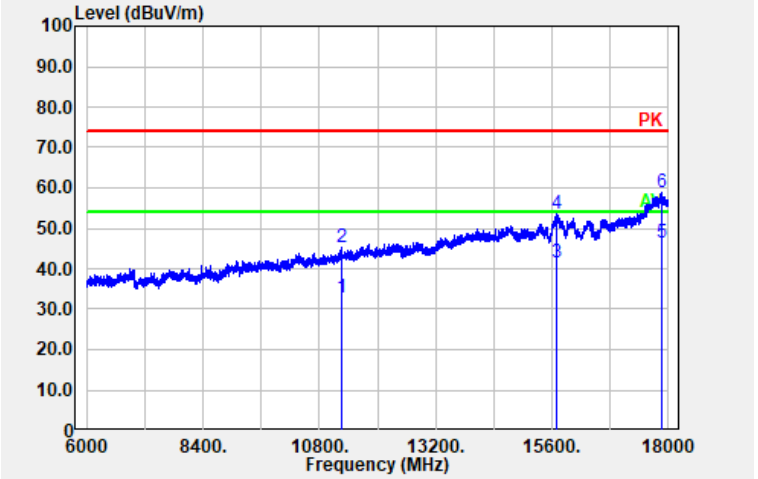
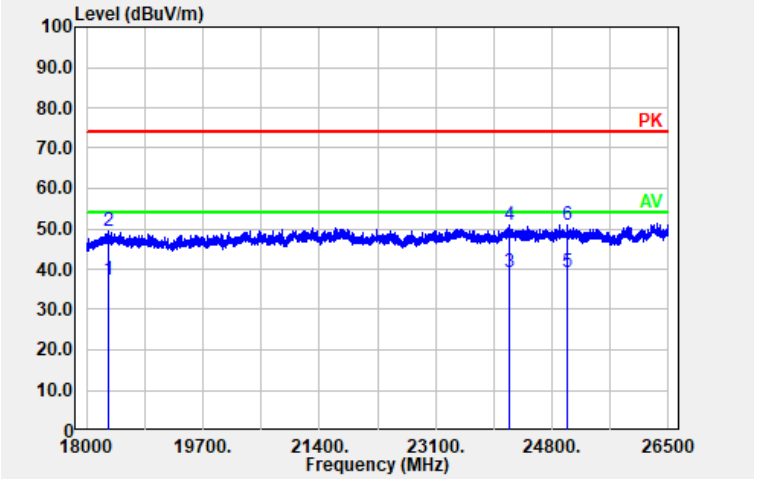
802.11ac vht80:

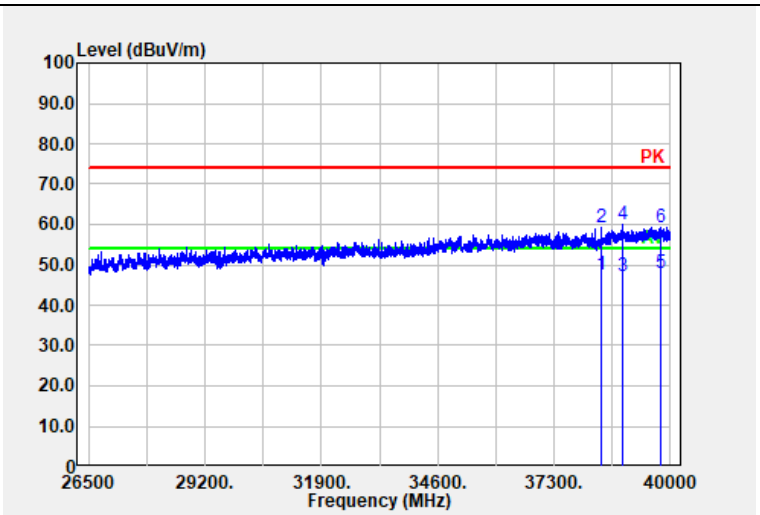
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Middle Channel:				5775	MHz		
5775.000	64.43	PK	H	39.44	97.85	N/A	N/A
5775.000	54.17	AV	H	39.44	87.59	N/A	N/A
5775.000	59.64	PK	V	39.44	93.06	N/A	N/A
5775.000	49.37	AV	V	39.44	82.79	N/A	N/A
5725.000	31.90	PK	H	39.48	65.36	122.20	56.84
5720.000	32.19	PK	H	39.49	65.66	110.80	45.14
5700.000	30.73	PK	H	39.51	64.22	105.20	40.98
5650.000	29.87	PK	H	39.49	63.34	68.20	4.86
5850.000	31.76	PK	H	39.49	65.23	122.20	56.97
5855.000	31.84	PK	H	39.51	65.33	110.80	45.47
5875.000	31.25	PK	H	39.60	64.83	105.20	40.37
5925.000	31.65	PK	H	39.68	65.31	68.20	2.89
11550.000	34.18	PK	H	20.78	48.94	74.00	25.06
11550.000	22.09	AV	H	20.78	36.85	54.00	17.15
17325.000	33.36	PK	H	27.41	54.75	68.20	13.45

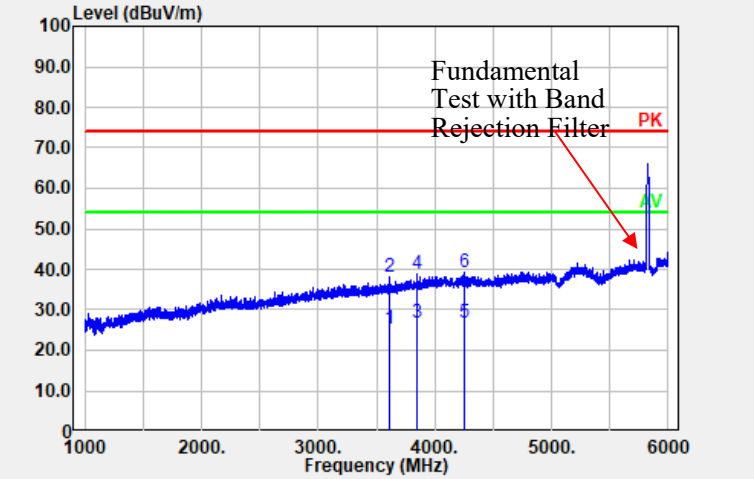
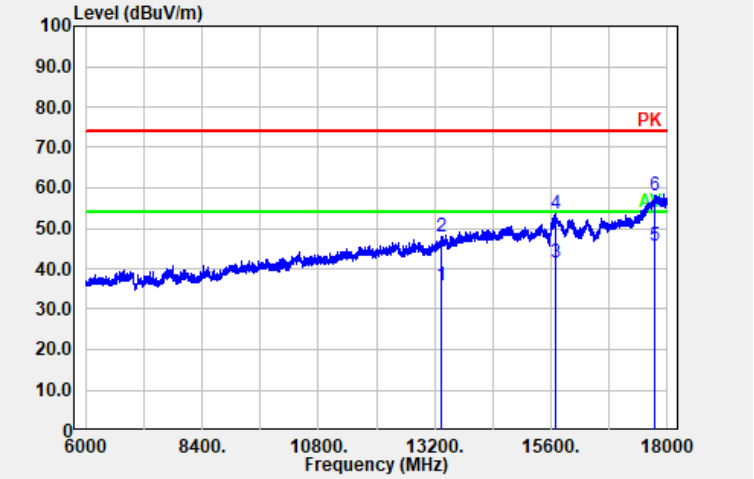
802.11ax hew80:

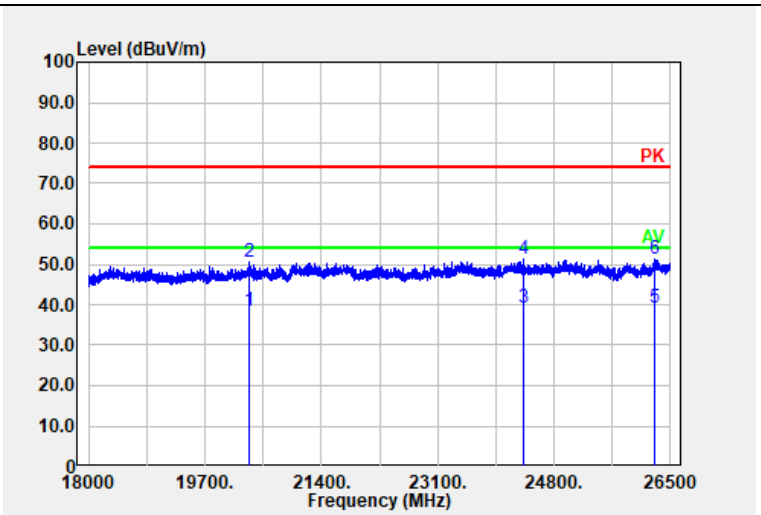
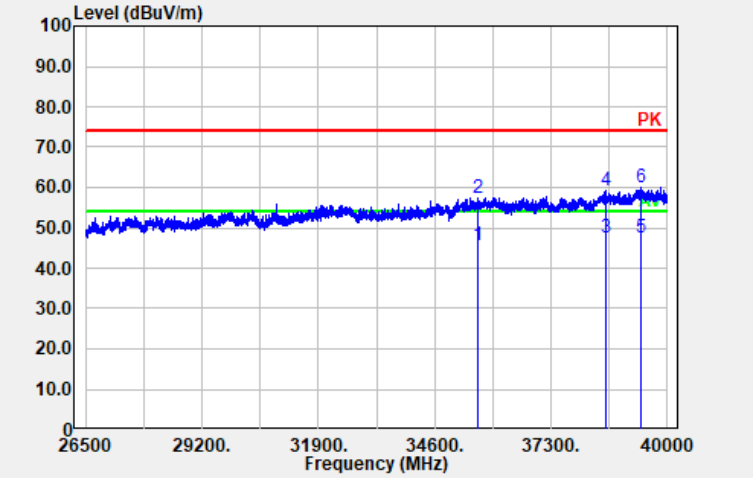
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Middle Channel:				5775	MHz		
5775.000	70.06	PK	H	39.44	103.48	N/A	N/A
5775.000	58.32	AV	H	39.44	91.74	N/A	N/A
5775.000	64.24	PK	V	39.44	97.66	N/A	N/A
5775.000	52.13	AV	V	39.44	85.55	N/A	N/A
5725.000	43.65	PK	H	39.48	77.11	122.20	45.09
5720.000	44.20	PK	H	39.49	77.67	110.80	33.13
5700.000	40.91	PK	H	39.51	74.40	105.20	30.80
5650.000	30.84	PK	H	39.49	64.31	68.20	3.89
5850.000	42.23	PK	H	39.49	75.70	122.20	46.50
5855.000	40.73	PK	H	39.51	74.22	110.80	36.58
5875.000	34.90	PK	H	39.60	68.48	105.20	36.72
5925.000	31.88	PK	H	39.68	65.54	68.20	2.66
11550.000	34.08	PK	H	20.78	48.84	74.00	25.16
11550.000	22.04	AV	H	20.78	36.80	54.00	17.20
17325.000	34.10	PK	H	27.41	55.49	68.20	12.71

Worst Test plots(802.11a Chain 0 5825MHz)

Horizontal	
1-6GHz	
6-18GHz	
18-26.5GHz	

26.5-40GHz	

Vertical	
1-6GHz	
6-18GHz	

18-26.5GHz	
26.5-40GHz	

4.3 Emission Bandwidth:

Serial Number:	1YK8-1	Test Date:	2023/4/3-2023/4/17
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.2-25.6	Relative Humidity: (%)	51-62	ATM Pressure: (kPa)	100.7-101.1

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/7/15	2023/7/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	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	26.79	19.28
	5200	22.08	17.44
	5240	24.48	17.52
802.11n ht20	5180	22.85	18.24
	5200	26.60	18.24
	5240	23.46	18.24
802.11n ht40	5190	44.07	36.64
	5230	44.22	36.80
802.11ac vht80	5210	83.21	76.16
802.11ax hew20 RU 242/61	5180	24.33	19.04
	5200	21.95	19.04
	5240	26.64	19.04
802.11ax hew40 RU 484/65	5190	40.56	37.76
	5230	54.09	37.92
802.11ax hew80 RU 996/67	5210	82.20	77.76
Note: 1. Test only was performed at Chain 0. 2. The 99% Occupied Bandwidth have not fall 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	22.83	17.36
	5280	22.27	17.28
	5320	21.98	17.28
802.11n ht20	5260	23.08	18.24
	5280	25.73	18.24
	5320	22.62	18.24
802.11n ht40	5270	39.90	36.64
	5310	40.06	36.64
802.11ac vht80	5290	82.56	75.84
802.11ax hew20 RU 242/61	5260	21.60	19.04
	5280	22.26	19.12
	5320	25.05	19.04
802.11ax hew40 RU 484/65	5270	54.52	37.92
	5310	40.77	37.76
802.11ax hew80 RU 996/67	5290	82.11	77.44
Note: Test only was performed at Chain 0.			

5470-5725 MHz:

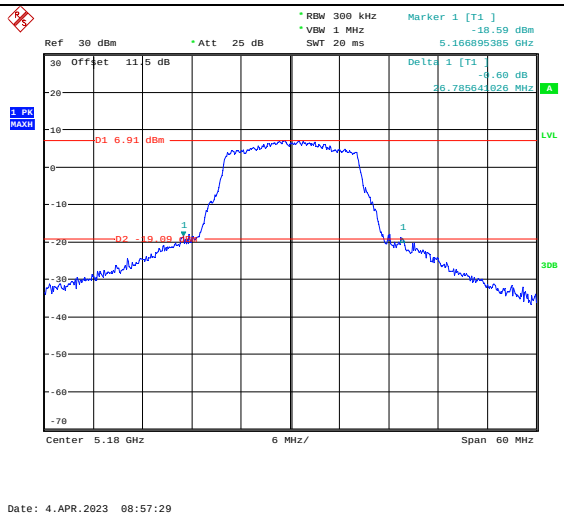
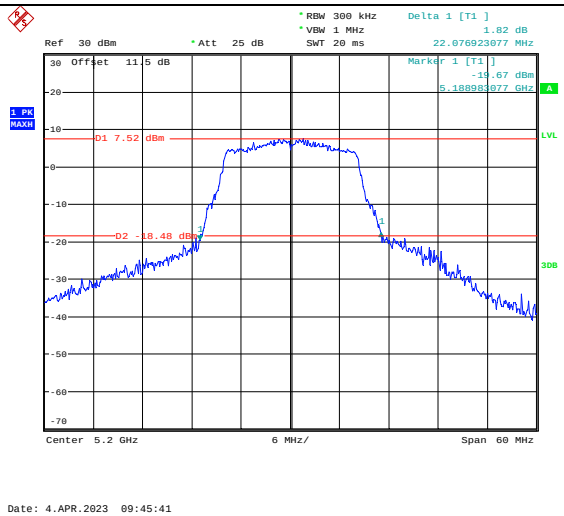
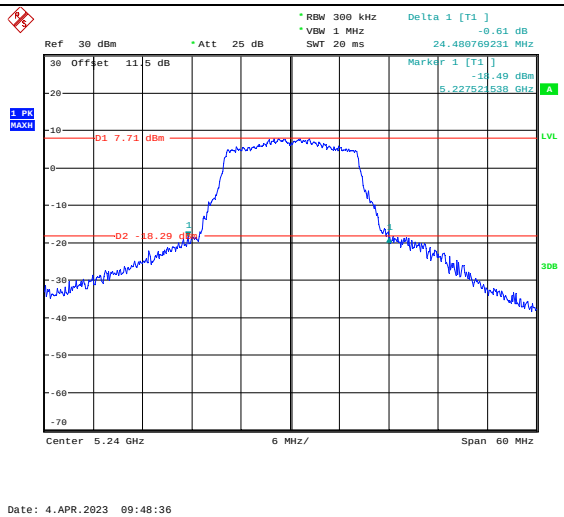
Test Modes	Test Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5500	21.98	17.28
	5580	24.67	17.36
	5700	22.08	17.36
	5720	22.08	17.28
802.11n ht20	5500	22.56	18.24
	5580	22.85	18.24
	5700	22.17	18.24
	5720	22.08	18.16
802.11n ht40	5510	39.74	36.48
	5550	40.16	36.64
	5670	40.00	36.64
	5710	40.64	36.80
802.11ac vht80	5530	82.24	76.16
	5610	82.37	76.16
	5690	82.69	76.16
802.11ax hew20 RU 242/61	5500	21.96	19.04
	5580	21.60	19.04
	5700	25.42	19.12
	5720	23.87	19.28
802.11ax hew40 RU 484/65	5510	39.78	37.76
	5550	53.15	37.92
	5670	40.41	37.76
	5710	40.55	37.92
802.11ax hew80 RU 996/67	5530	81.99	77.44
	5610	86.24	77.44
	5690	89.23	77.76
Note: Test only was performed at Chain 0.			

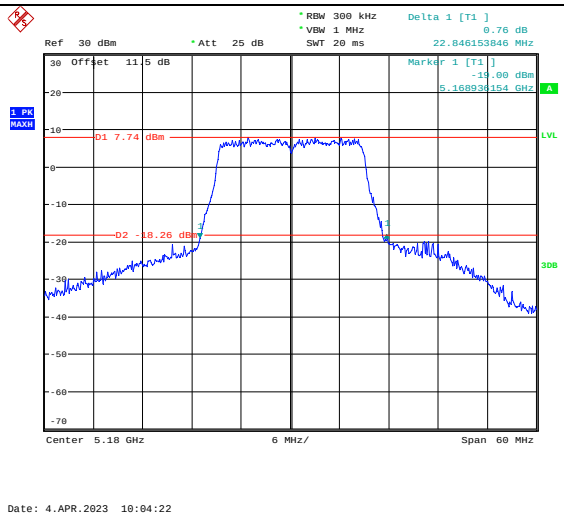
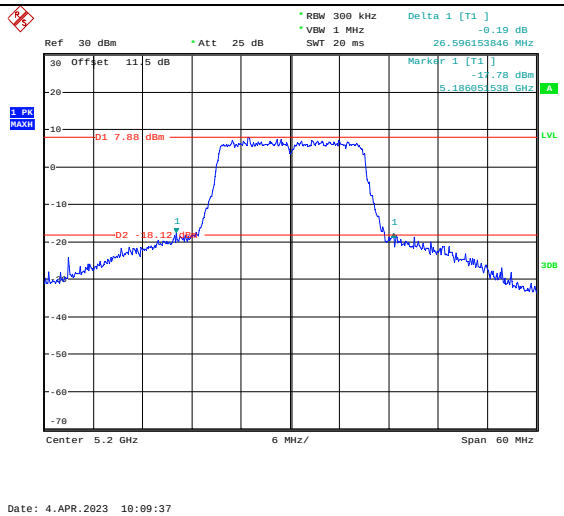
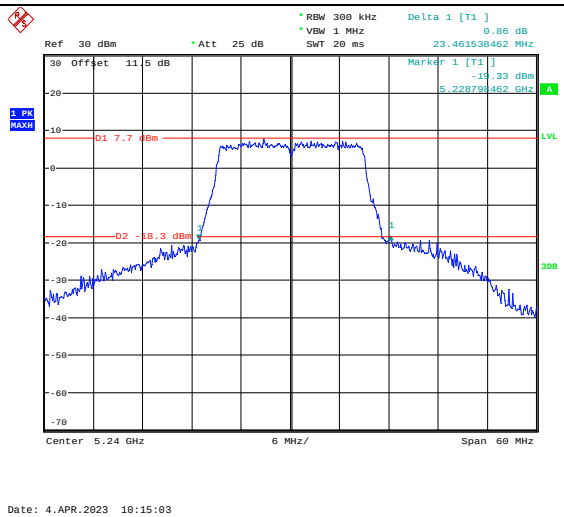
5725-5850 MHz:

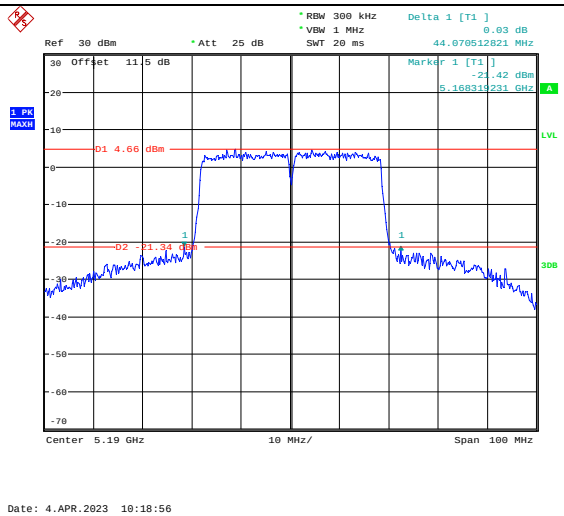
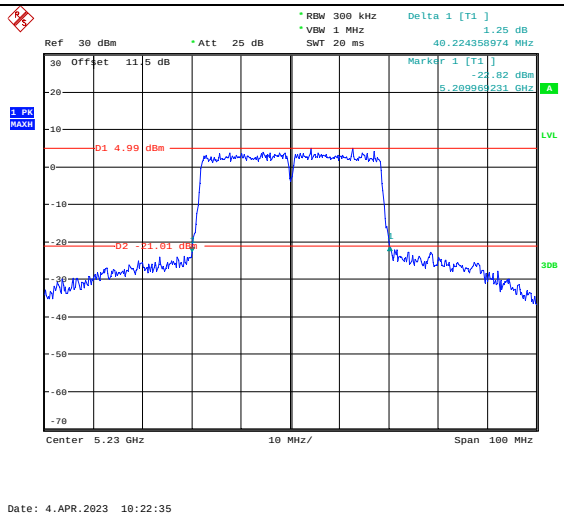
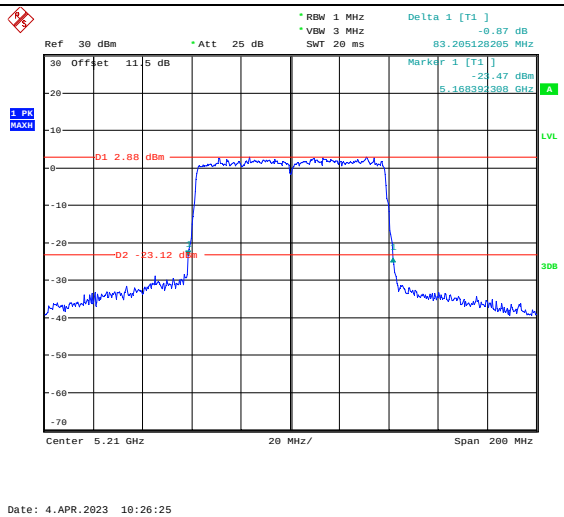
Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
802.11a	5745	16.08	17.52
	5785	16.40	17.68
	5825	16.32	17.76
802.11n ht20	5745	17.84	18.48
	5785	17.76	18.48
	5825	17.76	18.48
802.11n ht40	5755	36.64	36.64
	5795	36.48	36.64
802.11ac vht80	5775	76.16	76.16
802.11ax hew20 RU 242/61	5745	18.72	19.28
	5785	18.80	19.20
	5825	18.40	19.20
802.11ax hew40 RU 484/65	5755	37.92	38.24
	5795	37.76	38.24
802.11ax hew80 RU 996/67	5775	77.76	78.08

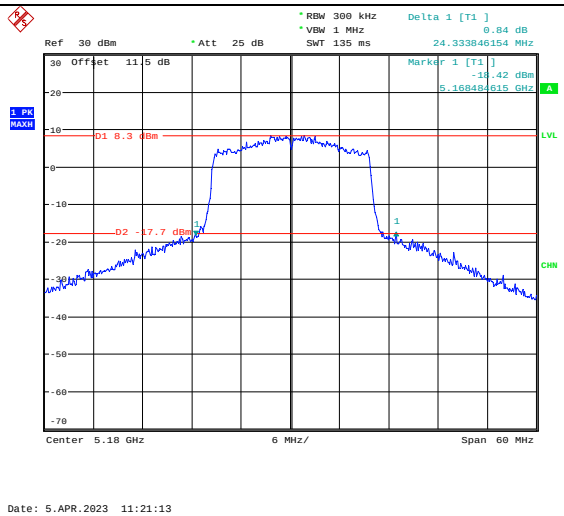
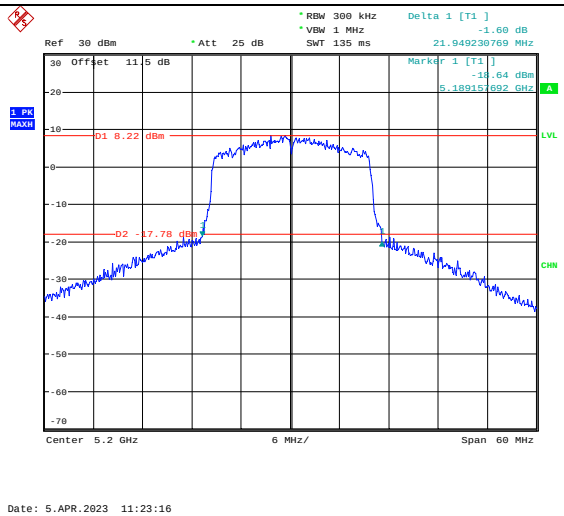
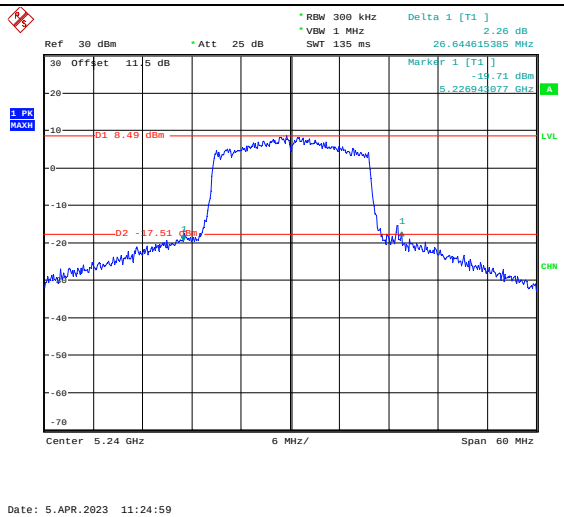
Note:
1. Test only was performed at Chain 0.
2. 6dB Emission Bandwidth Limit: ⩾0.5 MHz
3. The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

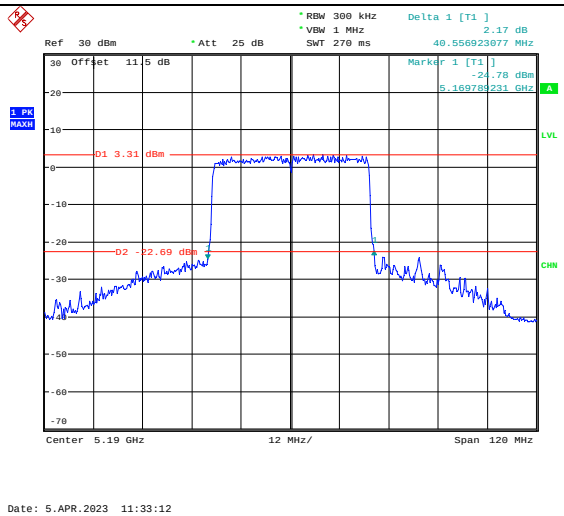
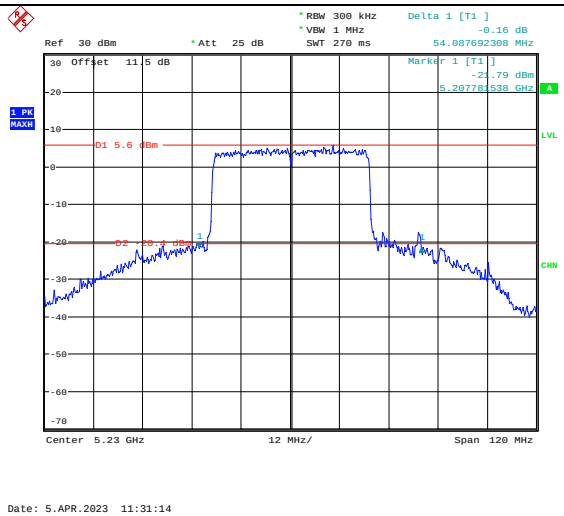
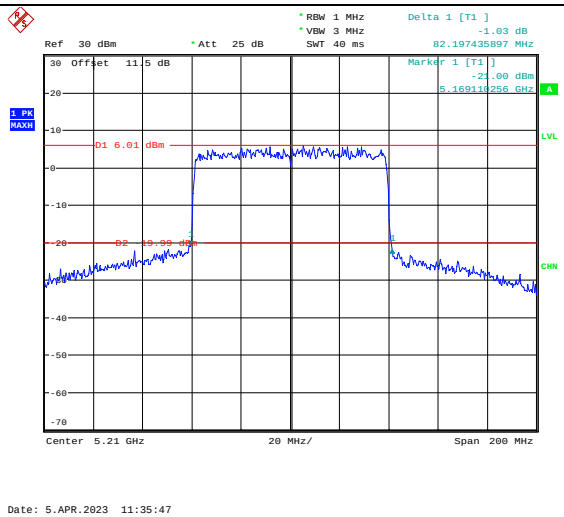
5150-5250MHz:

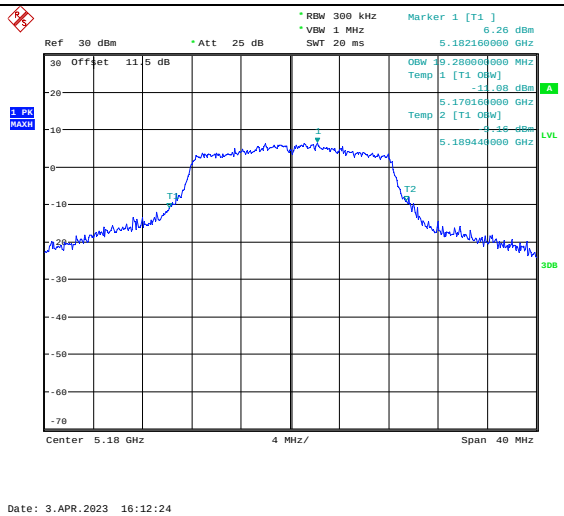
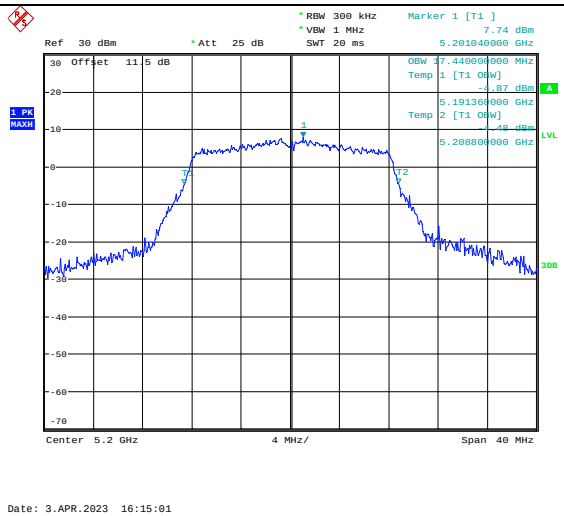
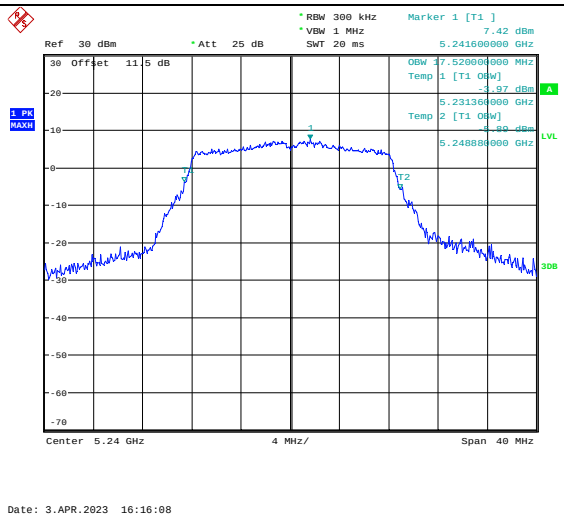
26dB Emission Bandwidth	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

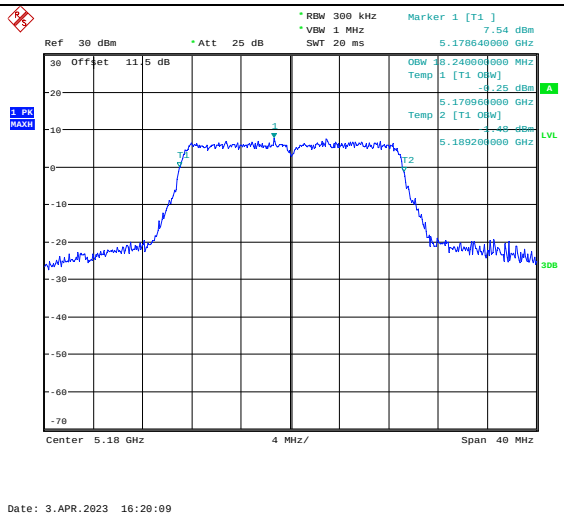
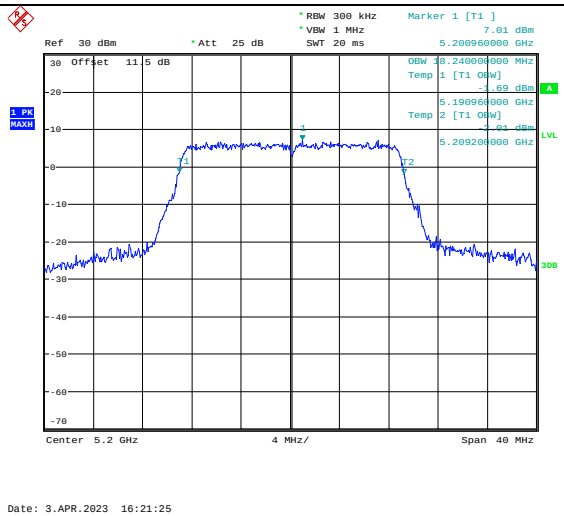
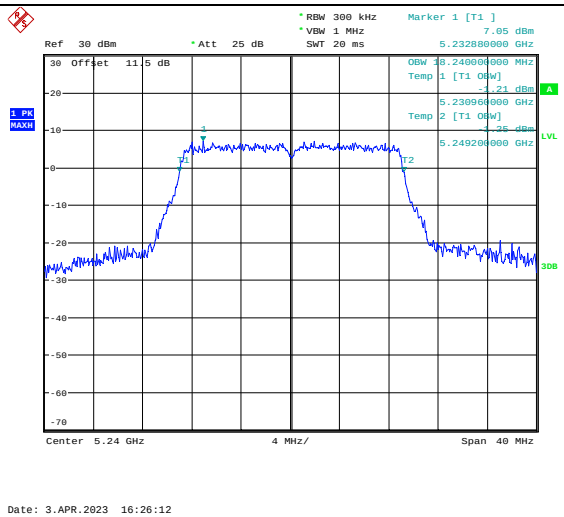
26dB Emission Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

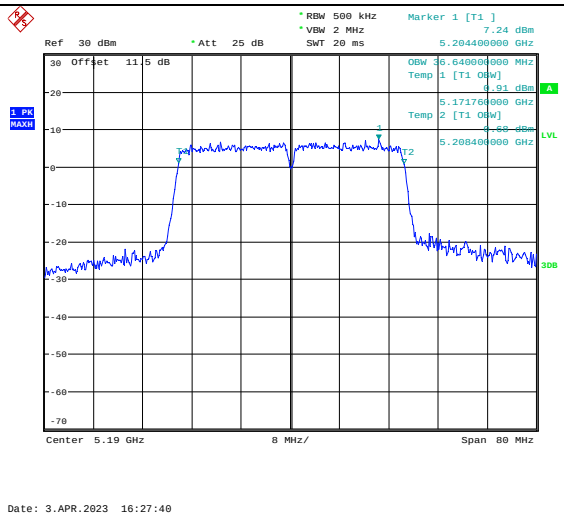
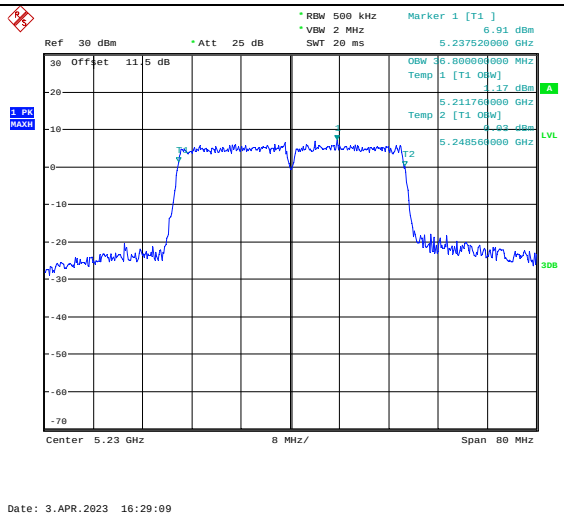
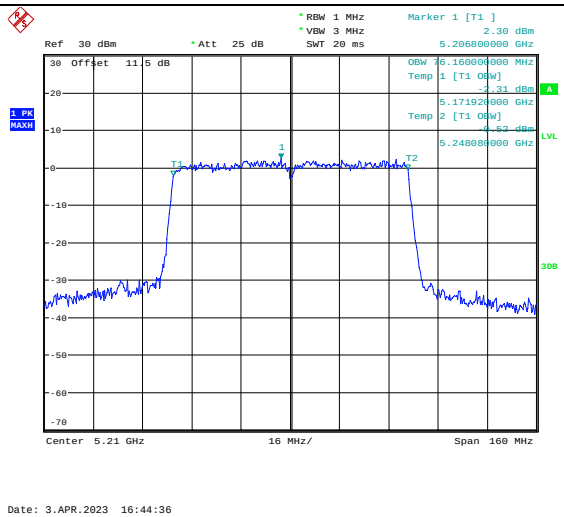
26dB Emission Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

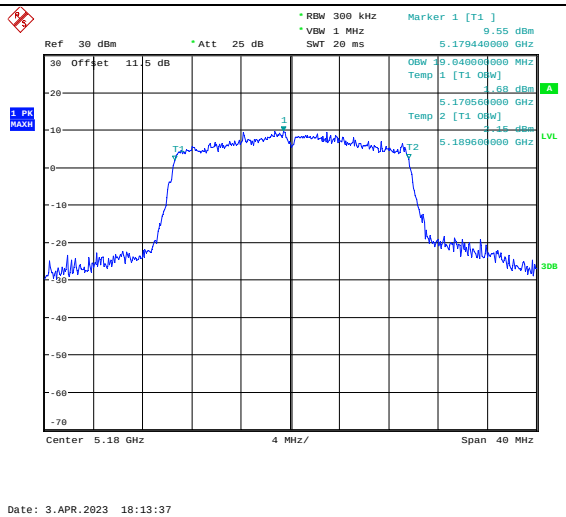
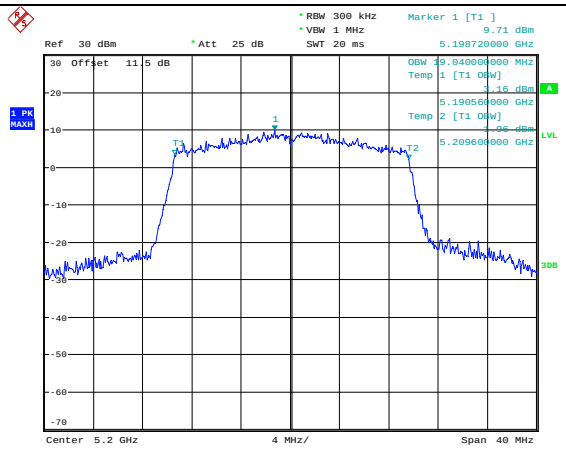
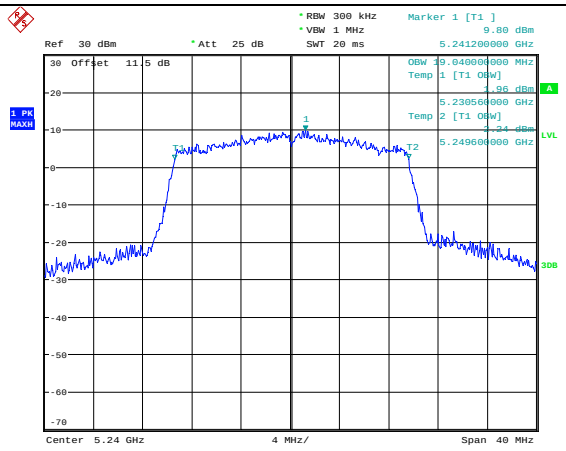
26dB Emission Bandwidth	
802.11ax hew20 RU 242/61 Lowest Channel	
802.11ax hew20 RU 242/61 Middle Channel	
802.11ax hew20 RU 242/61 Highest Channel	

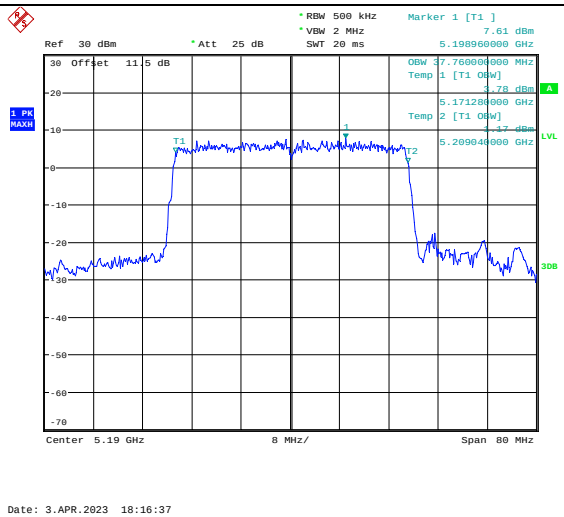
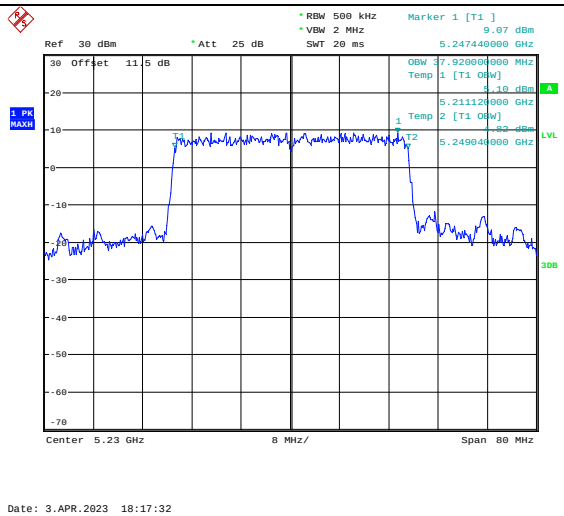
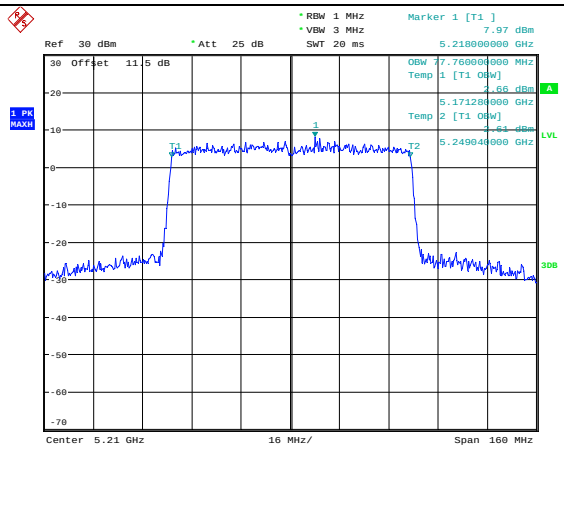
26dB Emission Bandwidth	
802.11ax hew40 RU 484/65 Lowest Channel	
802.11ax hew40 RU 484/65 Highest Channel	
802.11ax hew80 RU 996/67 Middle Channel	

99% Emission Bandwidth	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

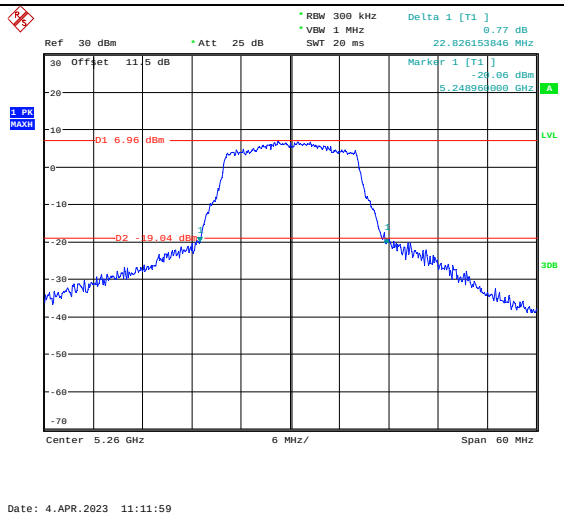
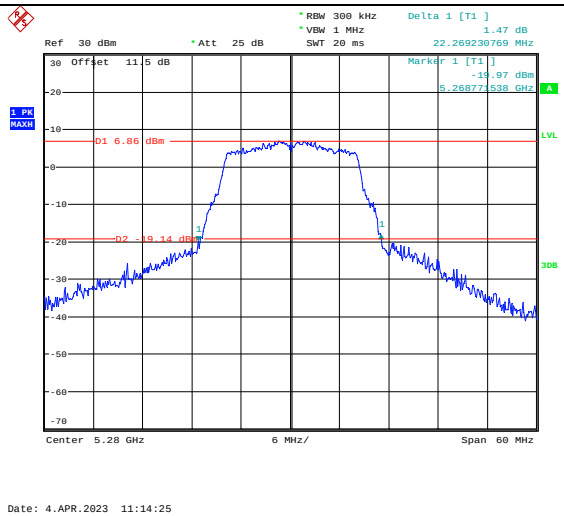
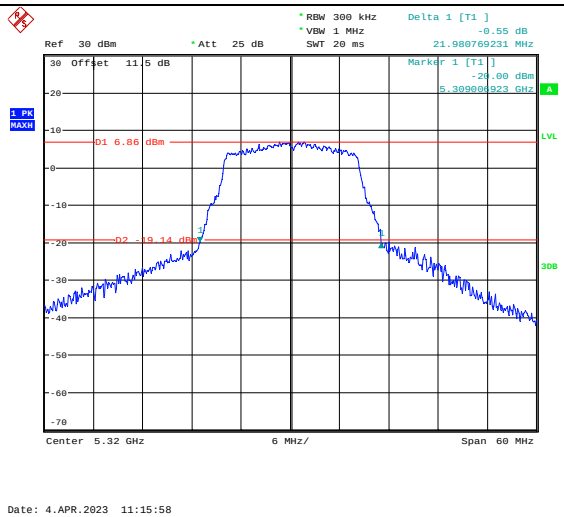
99% Emission Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

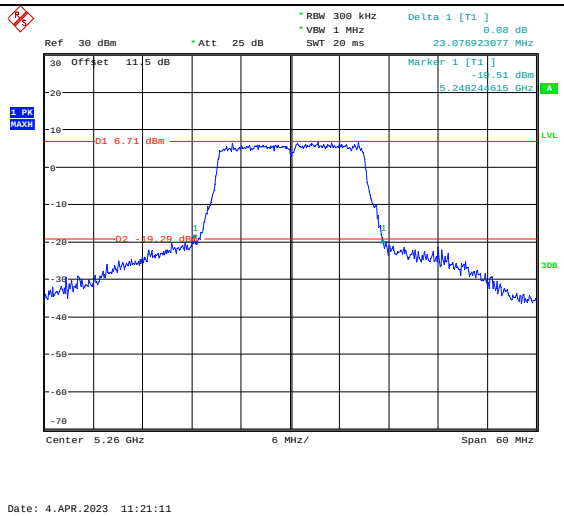
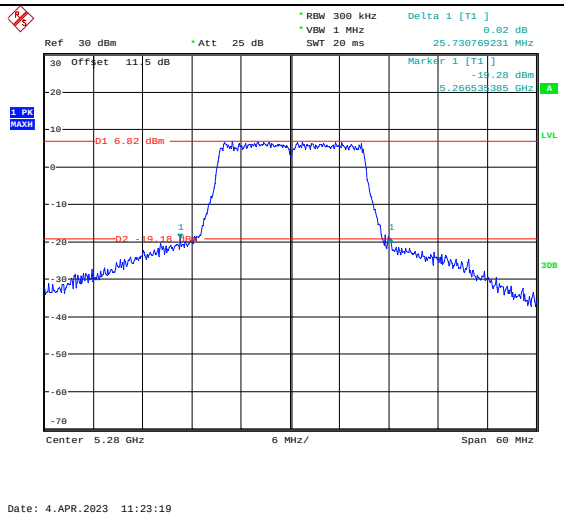
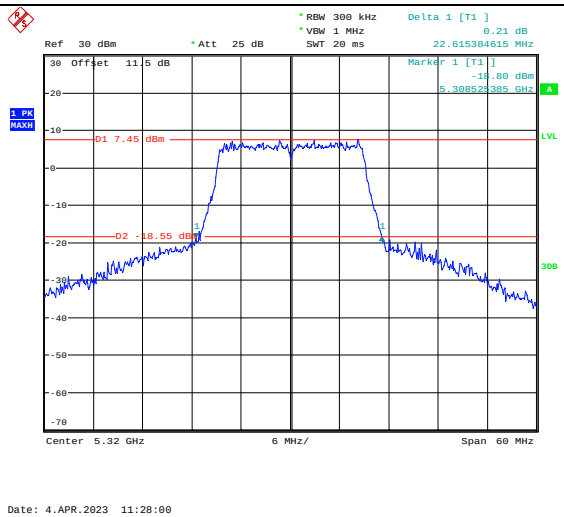
99% Emission Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

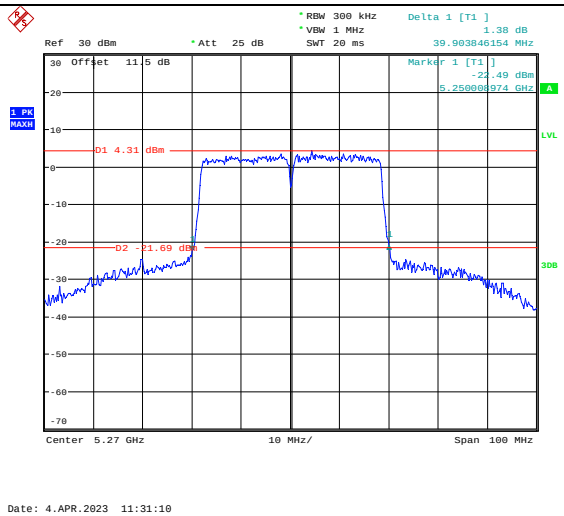
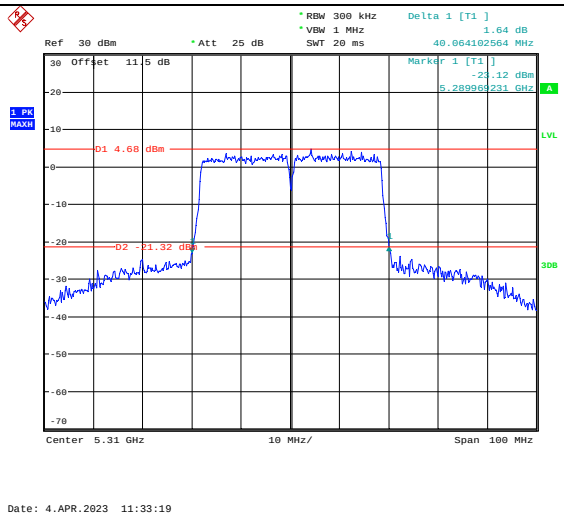
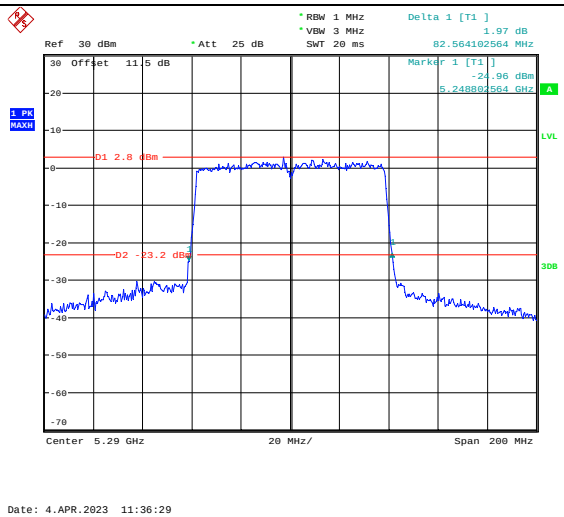
99% Emission Bandwidth	
802.11ax hew20 RU 242/61 Lowest Channel	 Date: 3.APR.2023 18:13:37
802.11ax hew20 RU 242/61 Middle Channel	 Date: 3.APR.2023 18:14:18
802.11ax hew20 RU 242/61 Highest Channel	 Date: 3.APR.2023 18:14:58

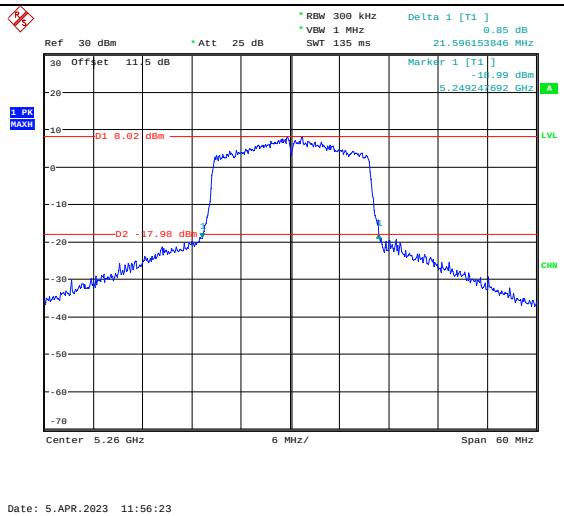
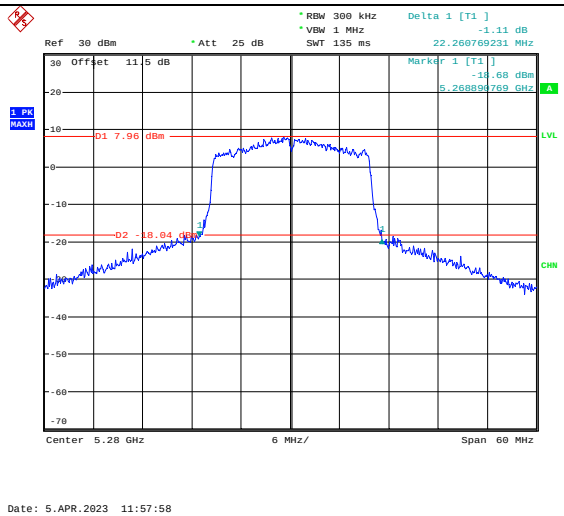
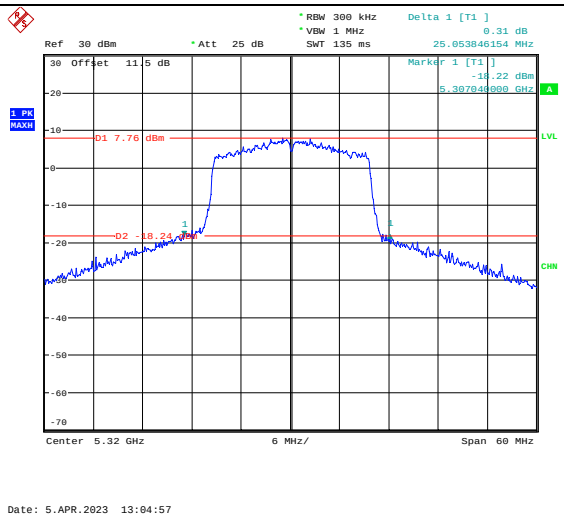
99% Emission Bandwidth	
802.11ax hew40 RU 484/65 Lowest Channel	
802.11ax hew40 RU 484/65 Highest Channel	
802.11ax hew80 RU 996/67 Middle Channel	

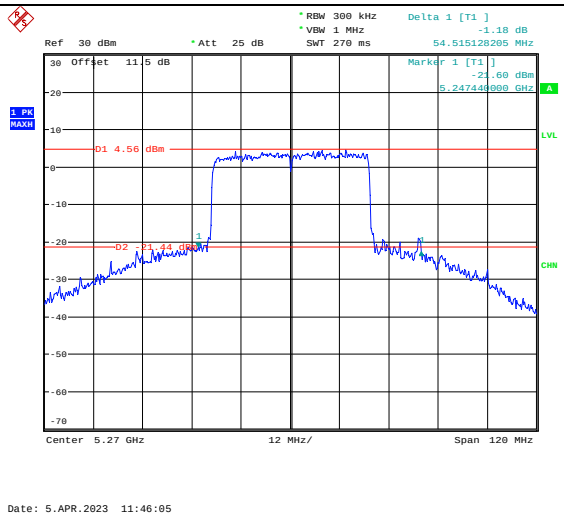
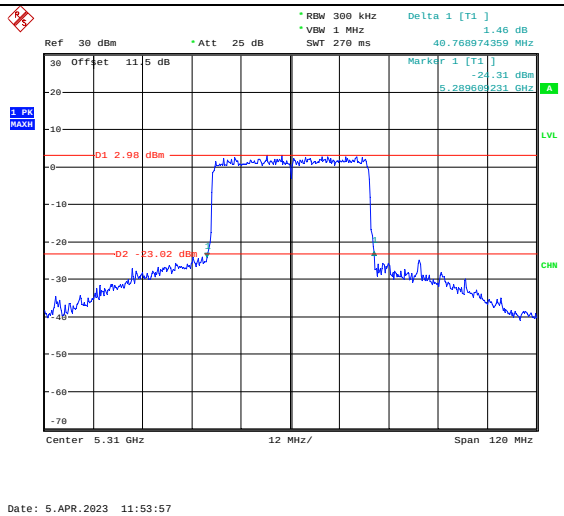
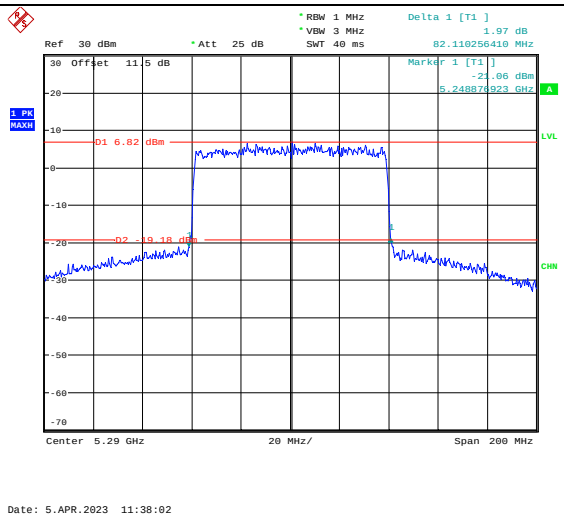
5250-5350MHz:

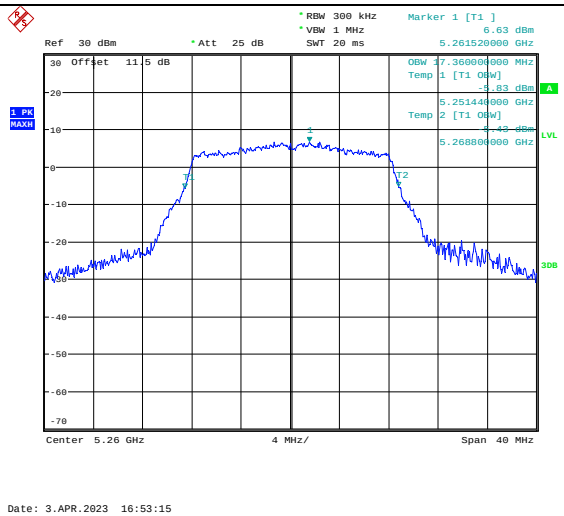
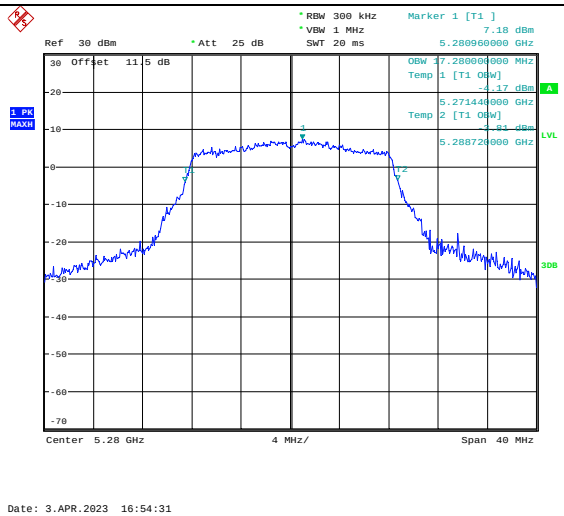
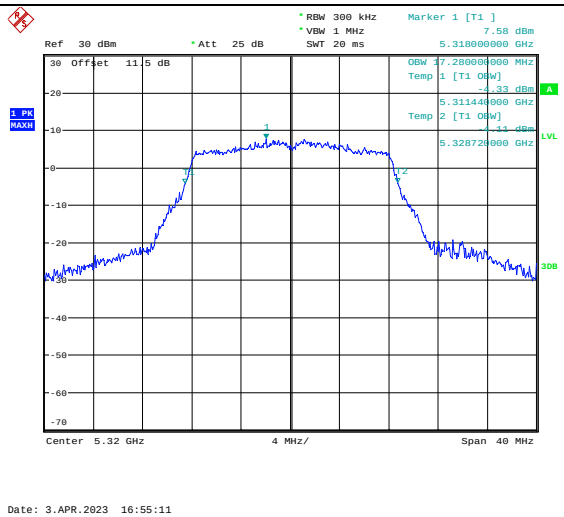
26dB Emission Bandwidth	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

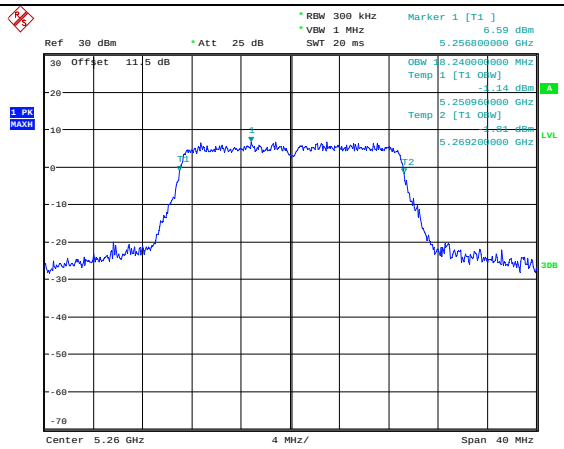
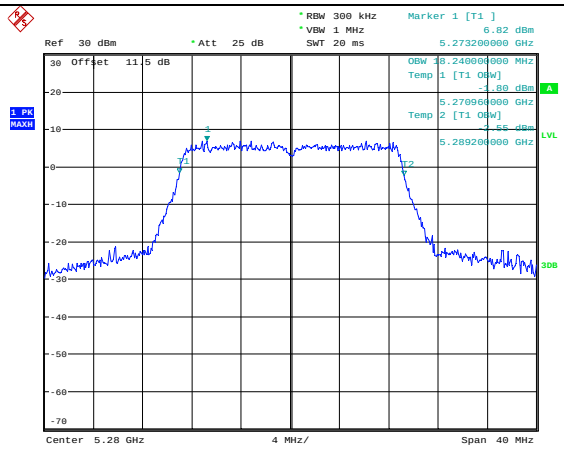
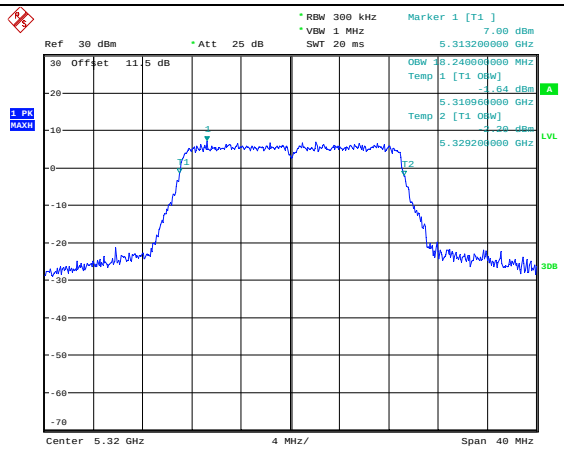
26dB Emission Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

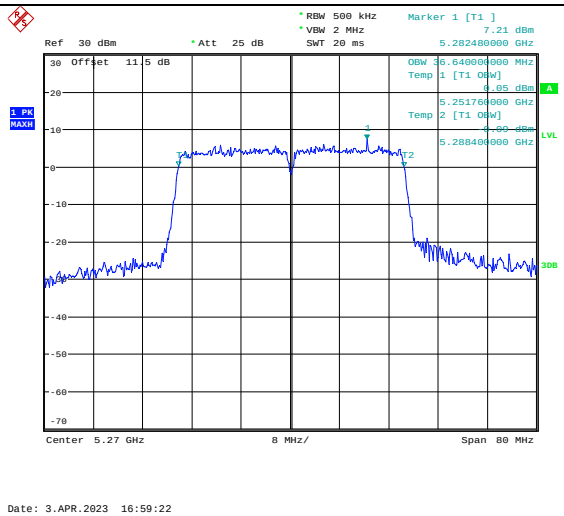
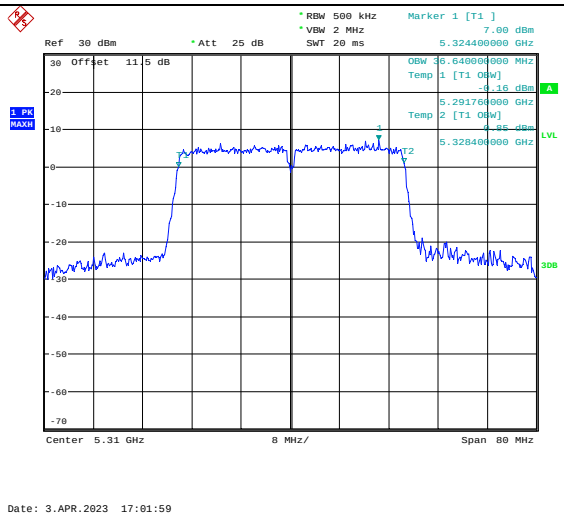
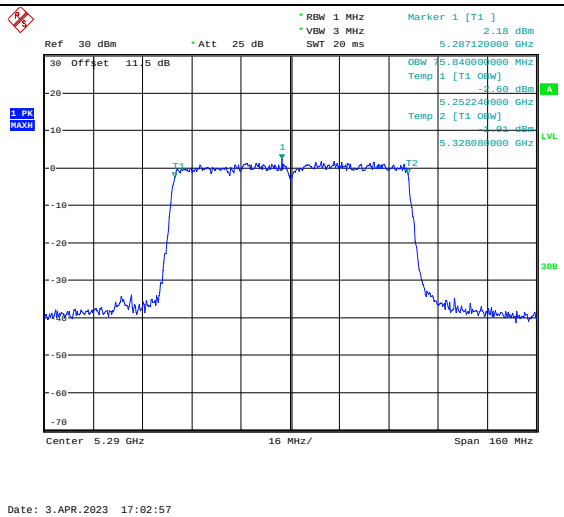
26dB Emission Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

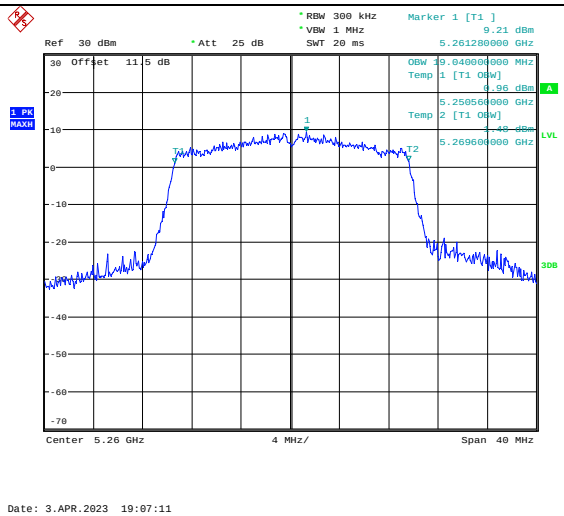
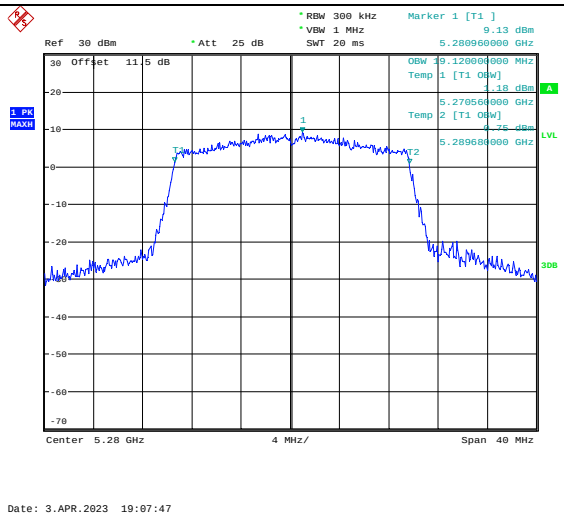
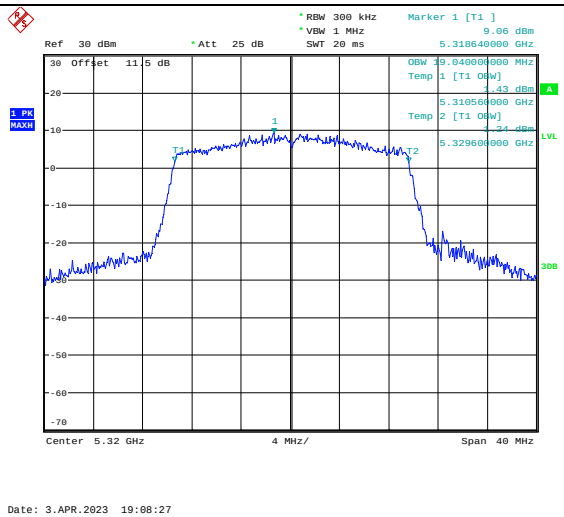
26dB Emission Bandwidth	
802.11ax hew20 RU 242/61 Lowest Channel	
802.11ax hew20 RU 242/61 Middle Channel	
802.11ax hew20 RU 242/61 Highest Channel	

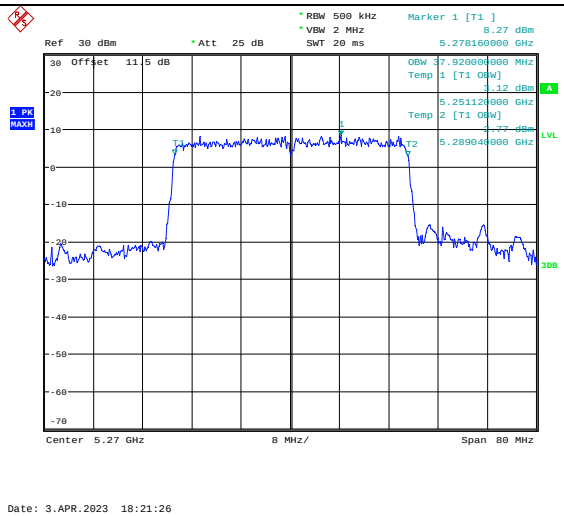
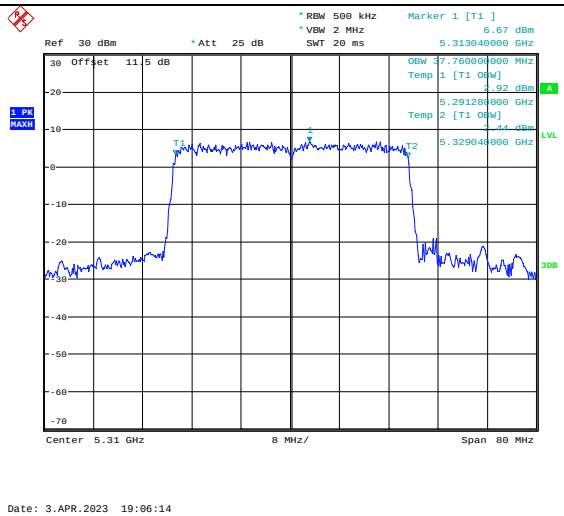
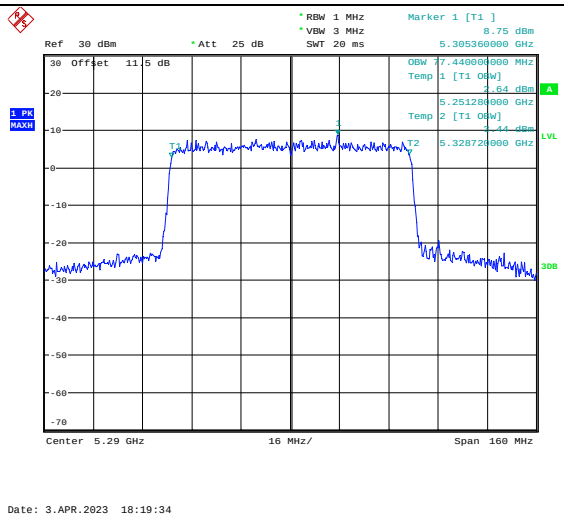
26dB Emission Bandwidth	
802.11ax hew40 RU 484/65 Lowest Channel	
802.11ax hew40 RU 484/65 Highest Channel	
802.11ax hew80 RU 996/67 Middle Channel	

99% Emission Bandwidth	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

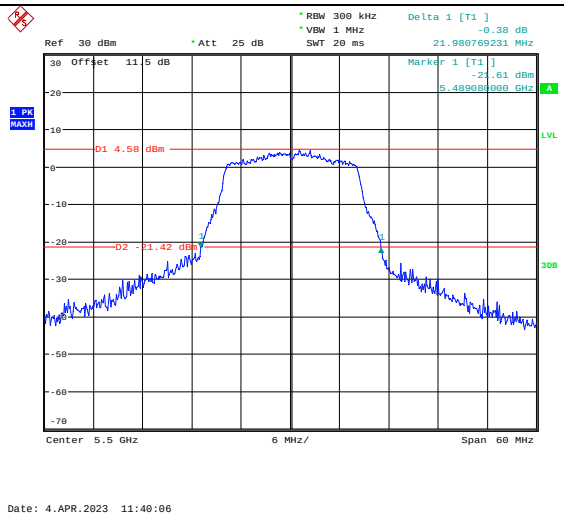
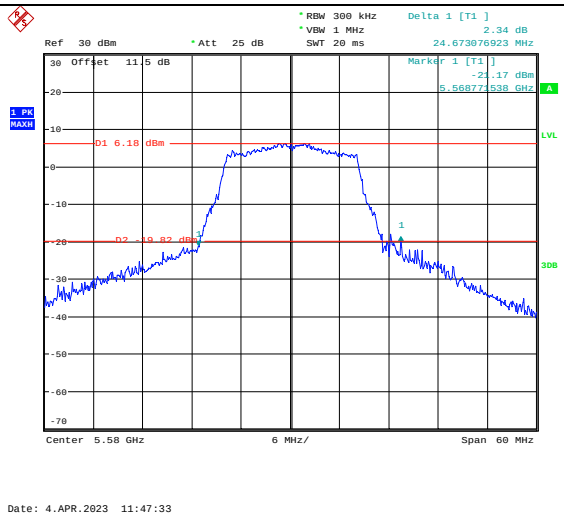
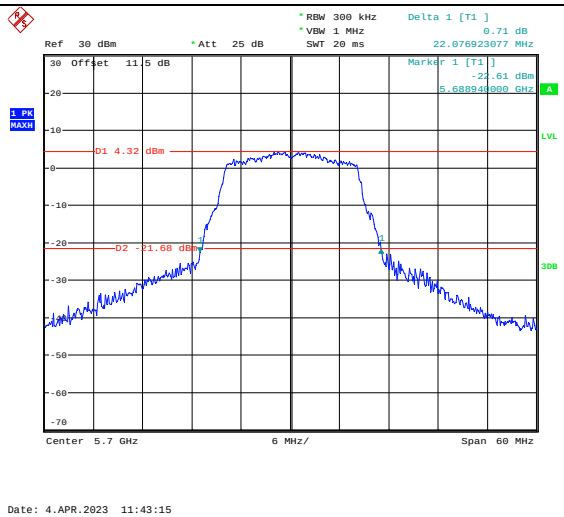
99% Emission Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

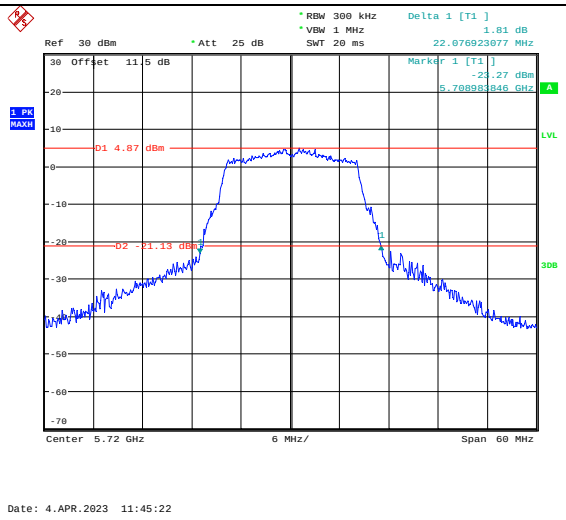
99% Emission Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

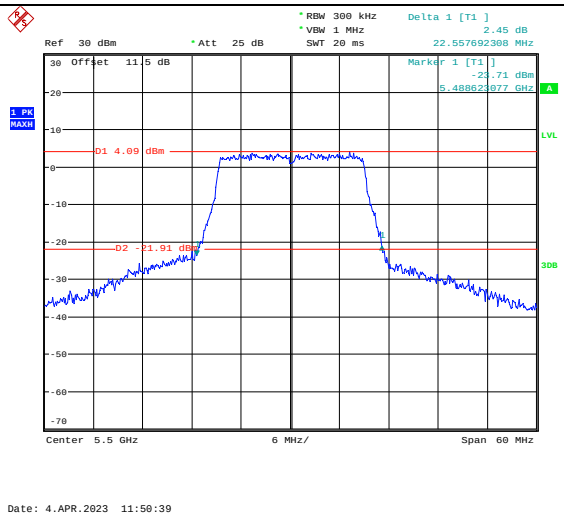
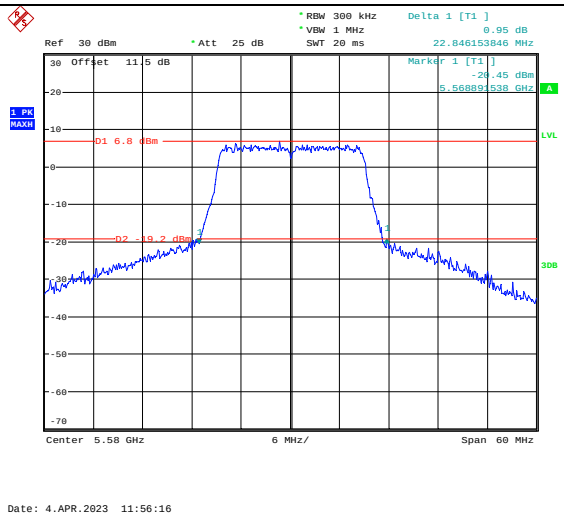
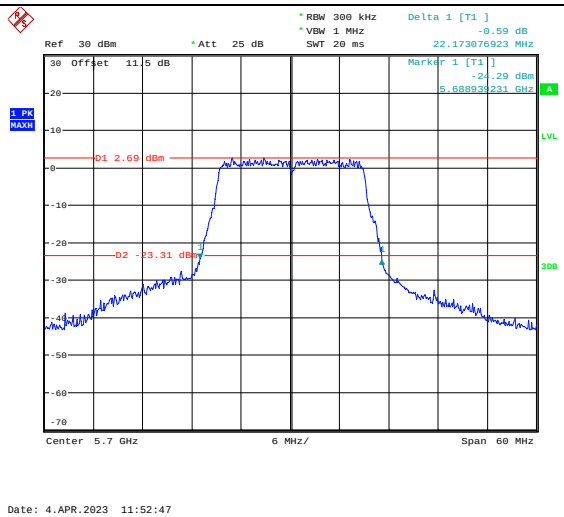
99% Emission Bandwidth	
802.11ax hew20 RU 242/61 Lowest Channel	
802.11ax hew20 RU 242/61 Middle Channel	
802.11ax hew20 RU 242/61 Highest Channel	

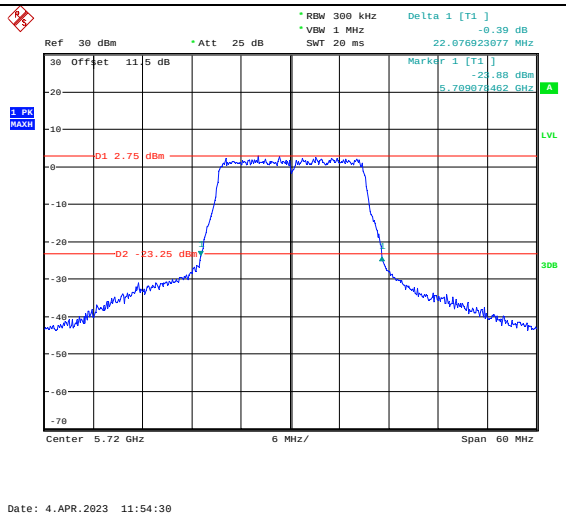
99% Emission Bandwidth	
802.11ax hew40 RU 484/65 Lowest Channel	
802.11ax hew40 RU 484/65 Highest Channel	
802.11ax hew80 RU 996/67 Middle Channel	

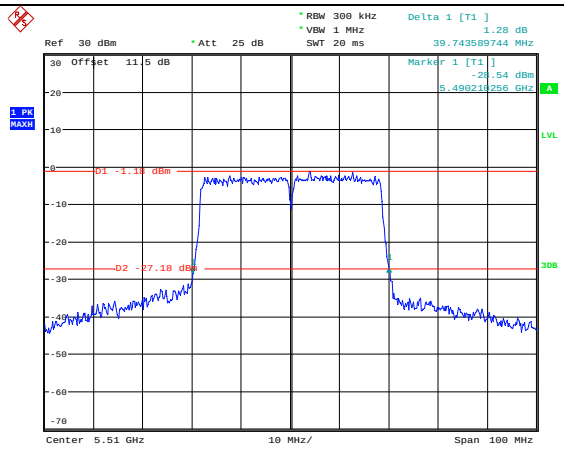
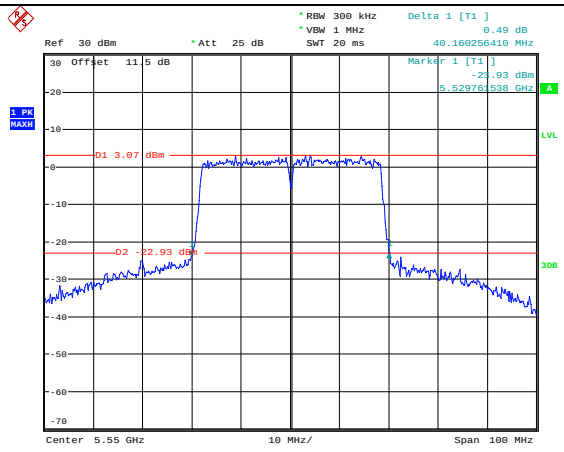
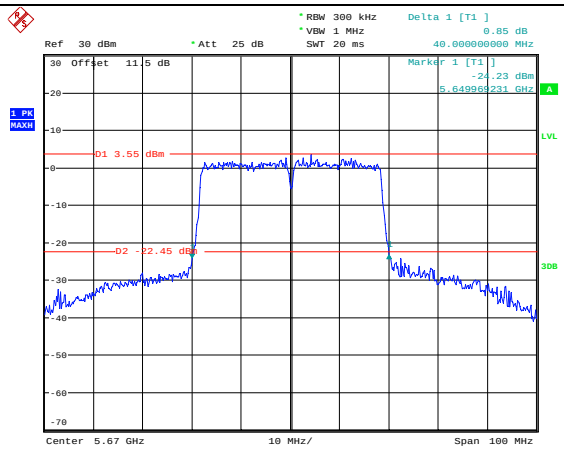
5470-5725MHz:

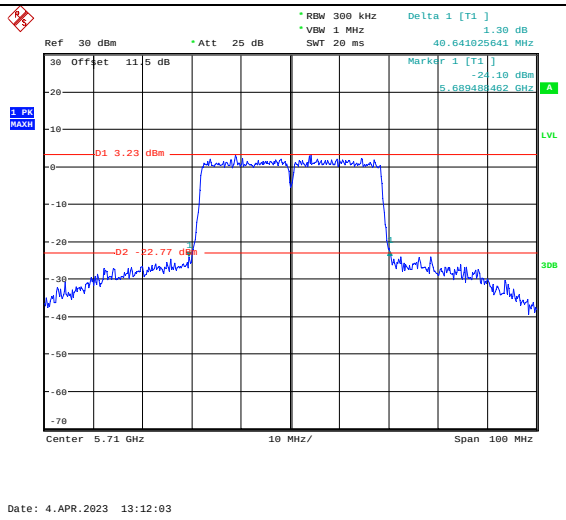
26dB Emission Bandwidth	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

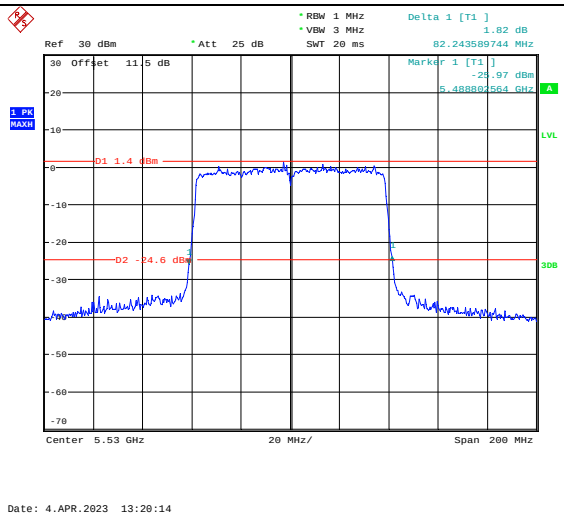
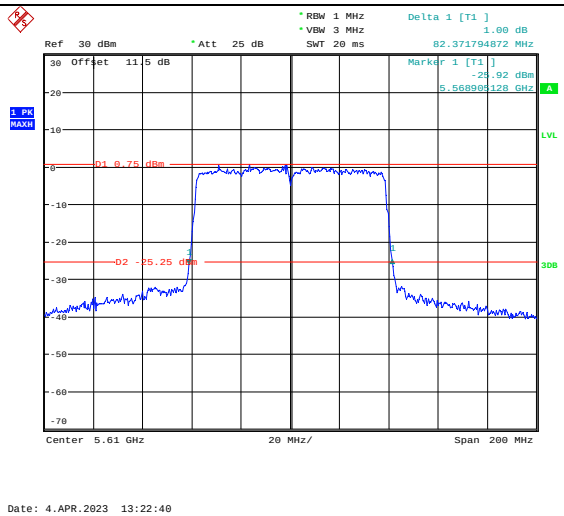
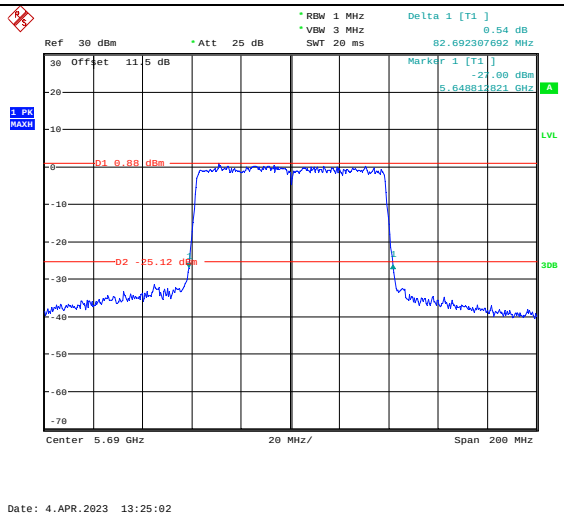
802.11a 5720 MHz	

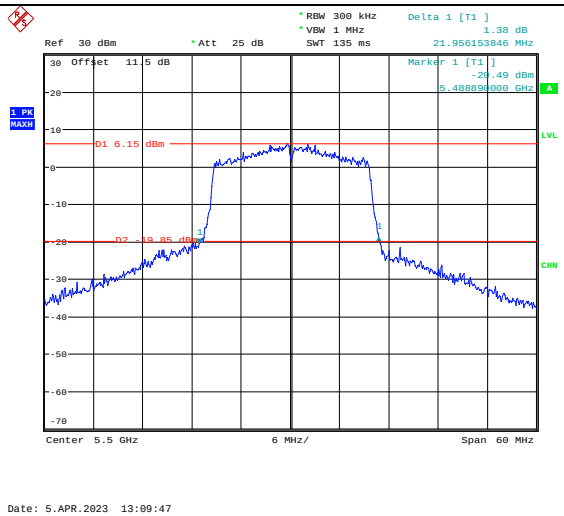
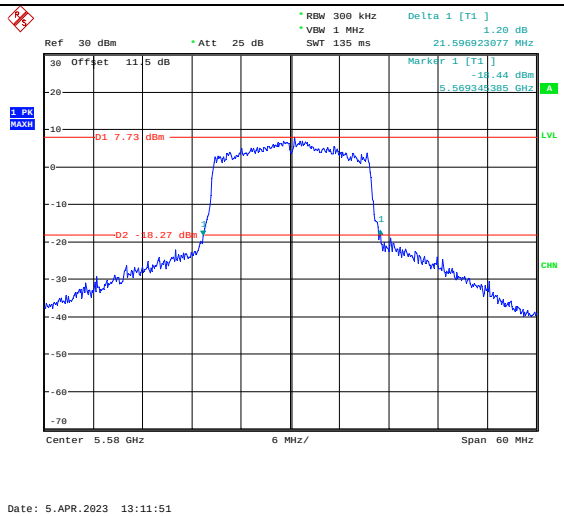
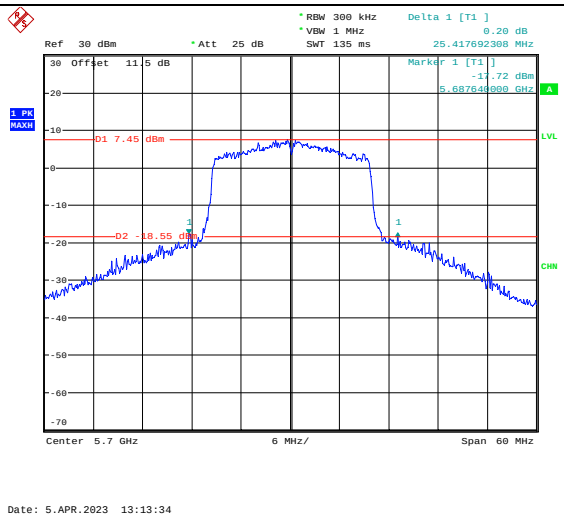
26dB Emission Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

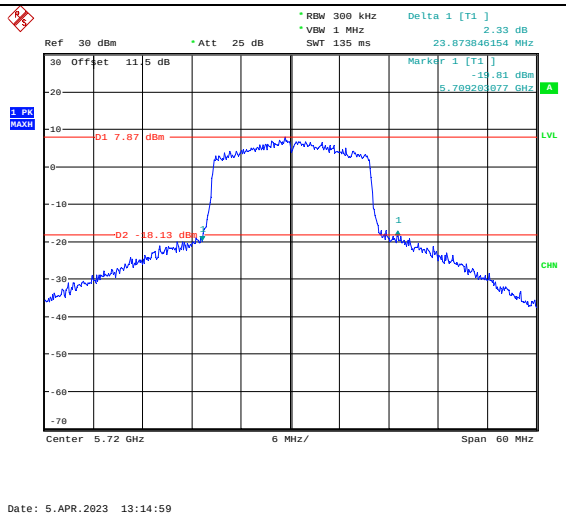
802.11n ht20 5720 MHz	

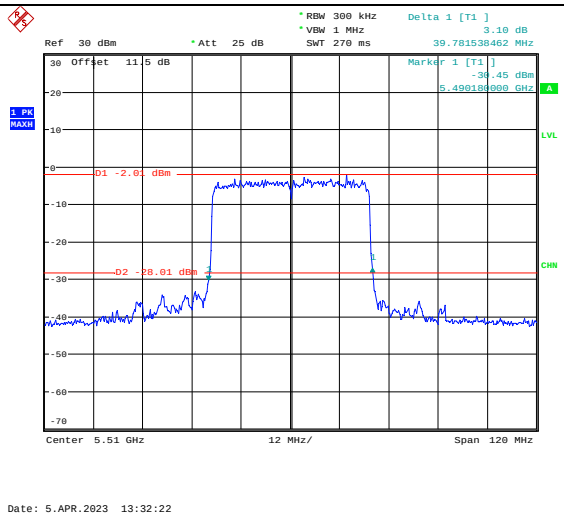
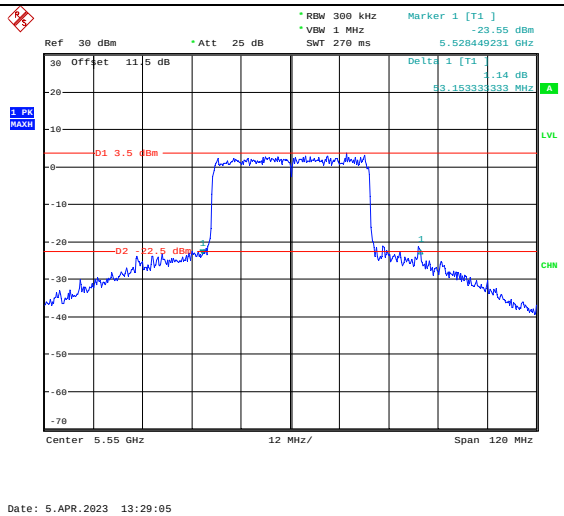
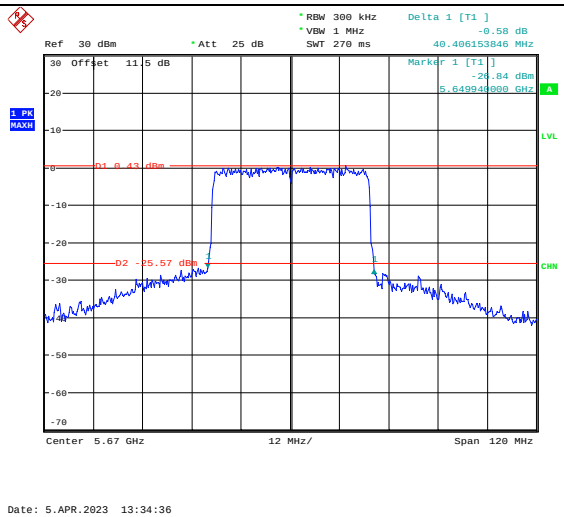
26dB Emission Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Middle Channel	
802.11n ht40 Highest Channel	

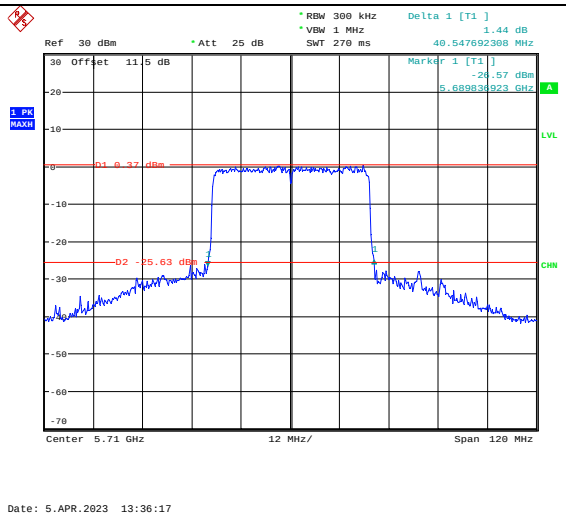
802.11n ht40 5710 MHz	

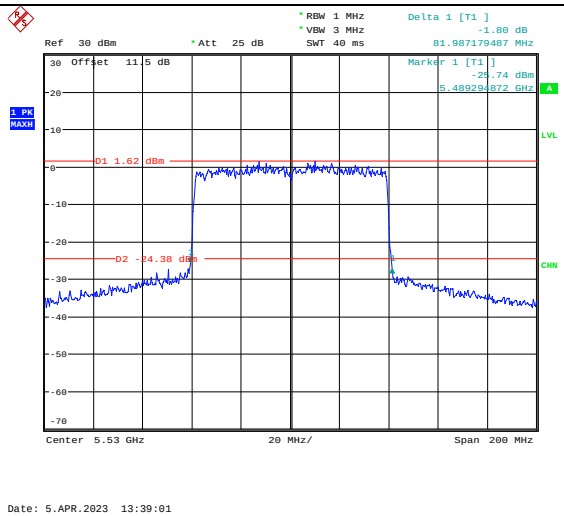
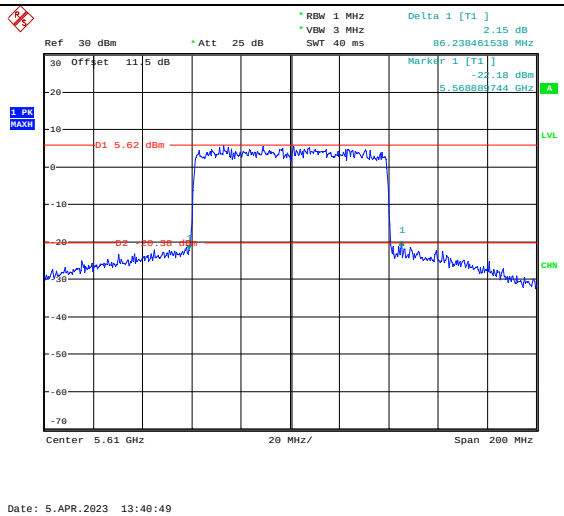
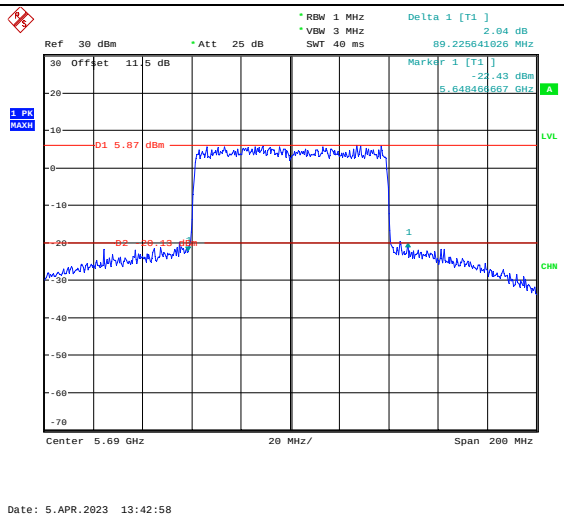
26dB Emission Bandwidth	
802.11ac vht80 Lowest Channel	
802.11ac vht80 Highest Channel	
802.11ac vht80 5690MHz	

26dB Emission Bandwidth	
802.11ax hew20 RU 242/61 Lowest Channel	
802.11ax hew20 RU 242/61 Middle Channel	
802.11ax hew20 RU 242/61 Highest Channel	

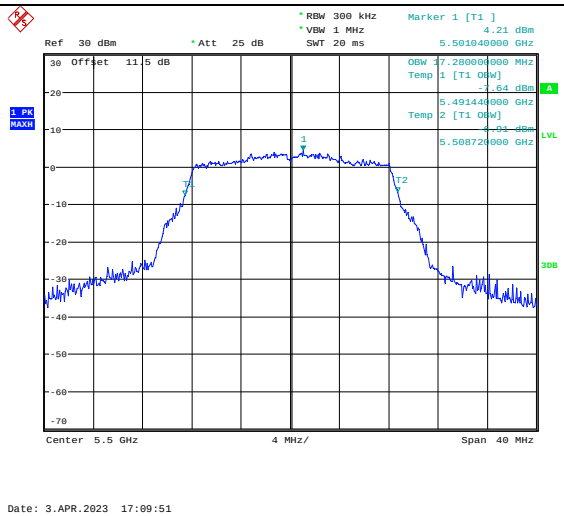
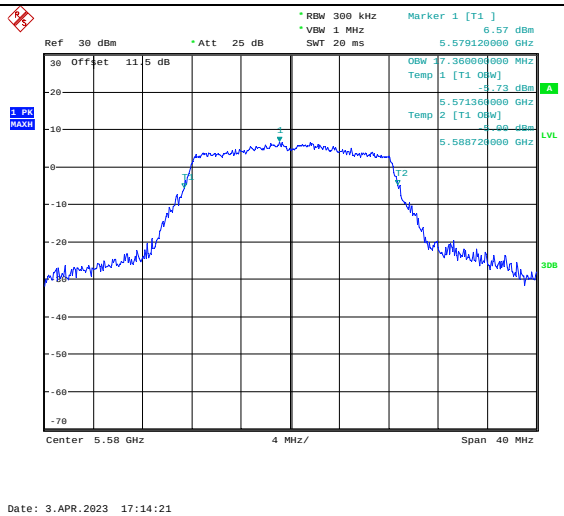
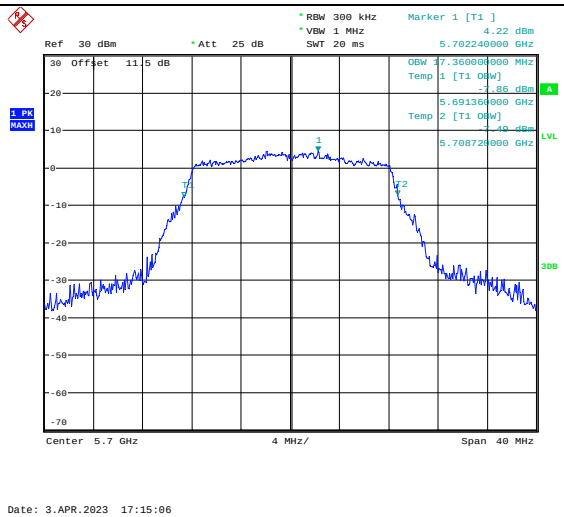
802.11ax hew20 RU 242/61 5720MHz	

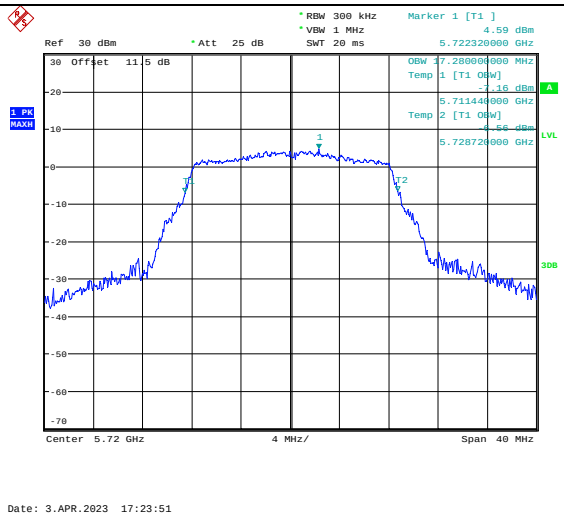
26dB Emission Bandwidth	
802.11ax hew40 RU 484/65 Lowest Channel	
802.11ax hew40 RU 484/65 Middle Channel	
802.11ax hew40 RU 484/65 Highest Channel	

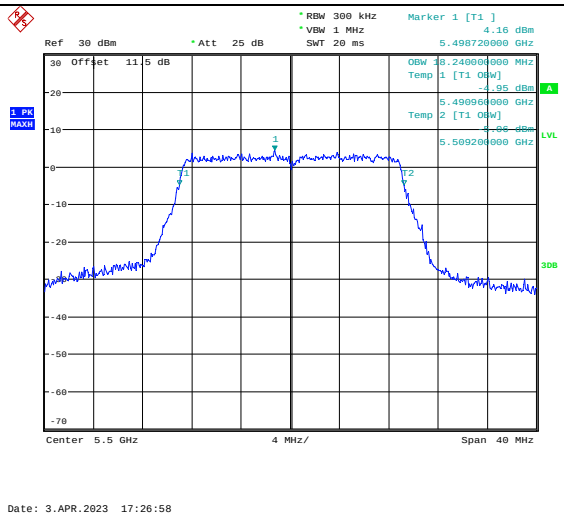
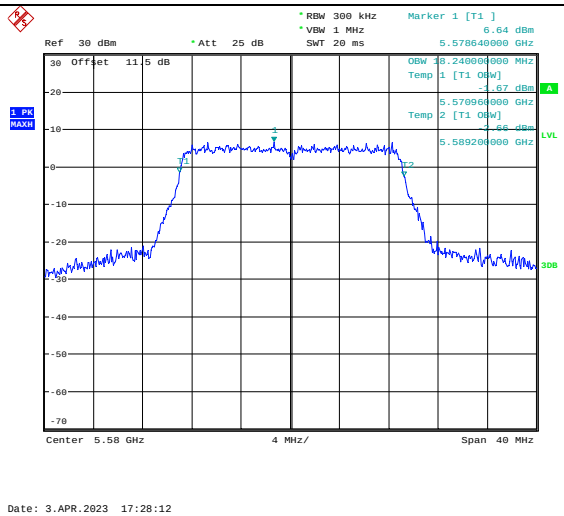
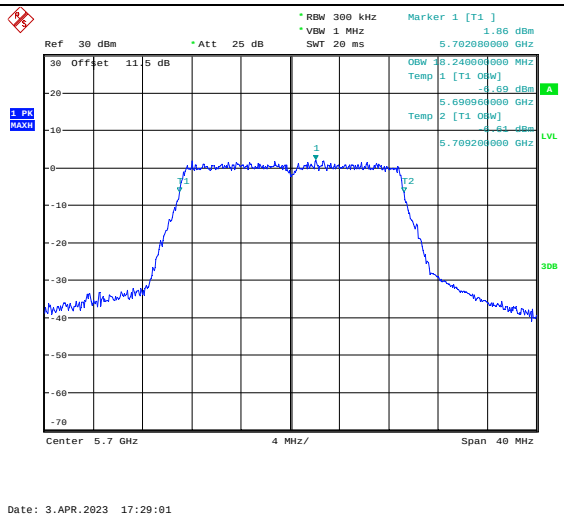
802.11ax hew40 RU 484/65 5710 MHz	

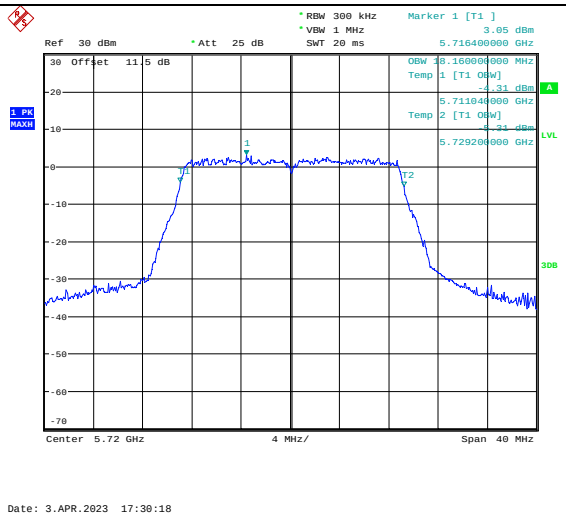
26dB Emission Bandwidth	
802.11ax hew80 996/67 Lowest Channel	
802.11ax hew80 996/67 Middle Channel	
802.11ax hew80 996/67 5690MHz	

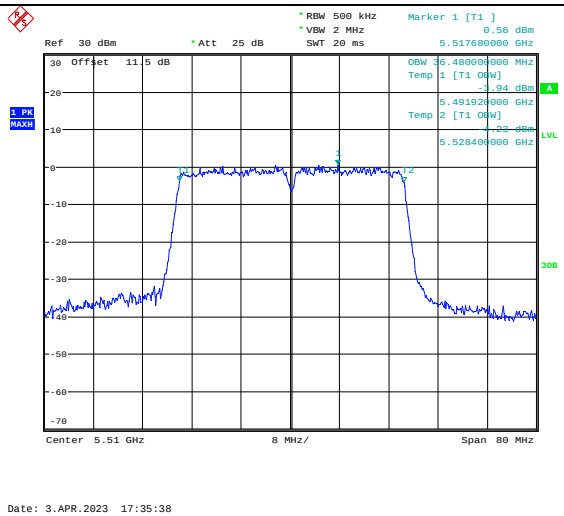
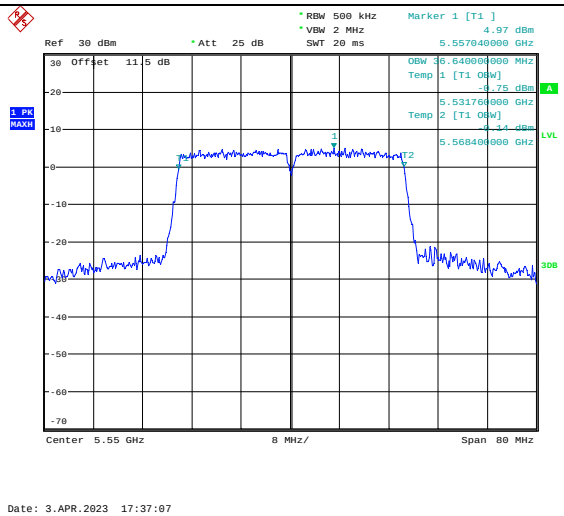
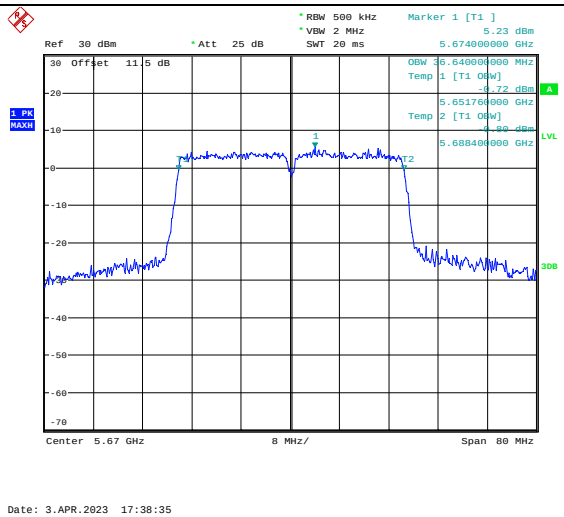
5470-5725MHz:

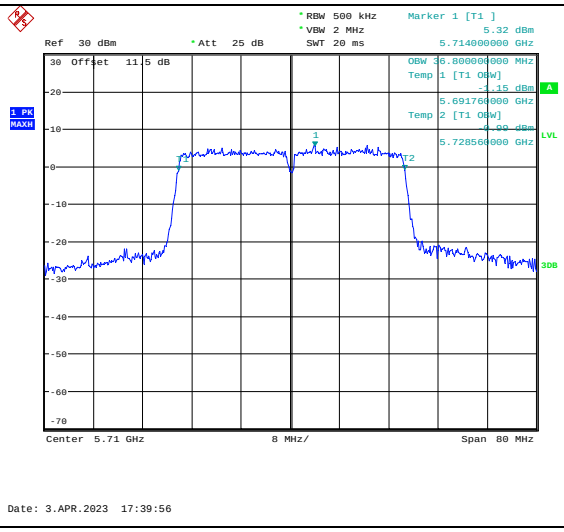
99% Emission Bandwidth	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

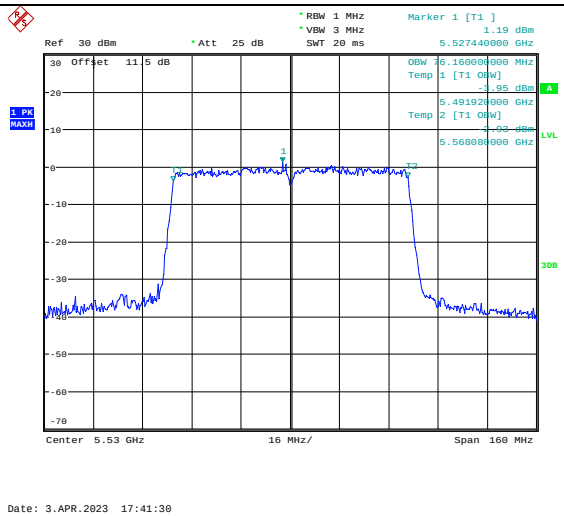
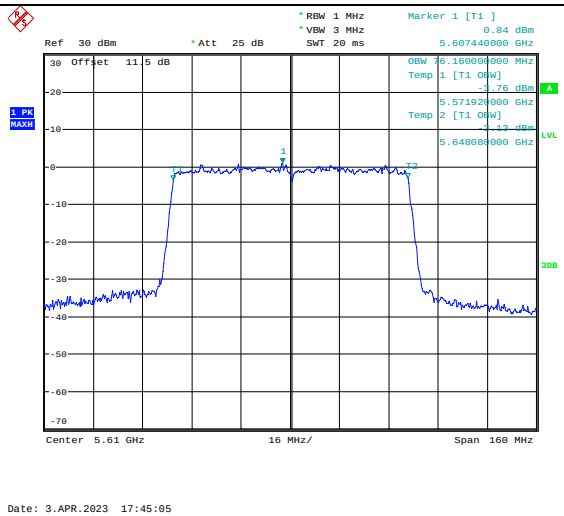
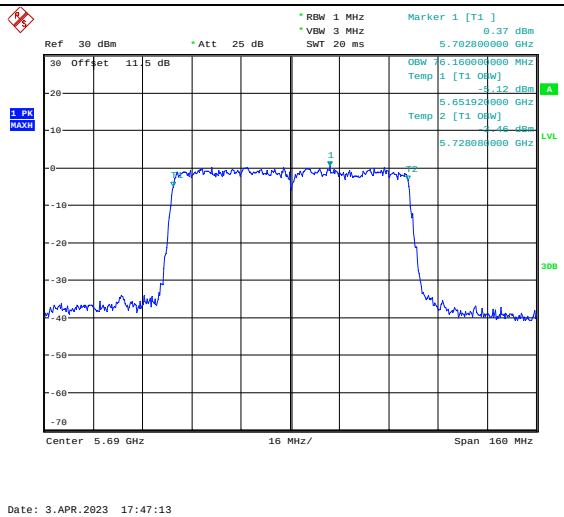
802.11a 5720 MHz	

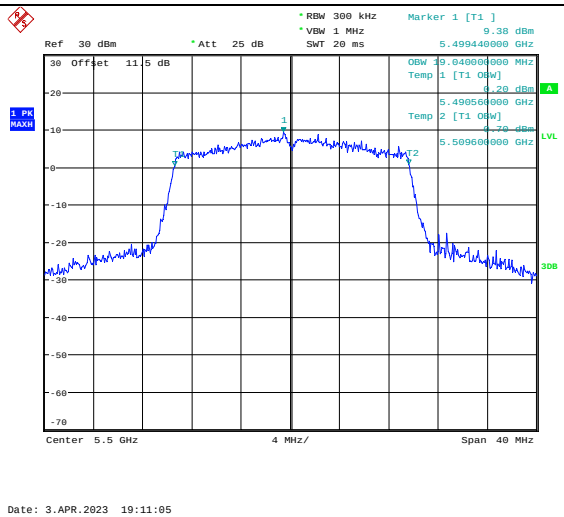
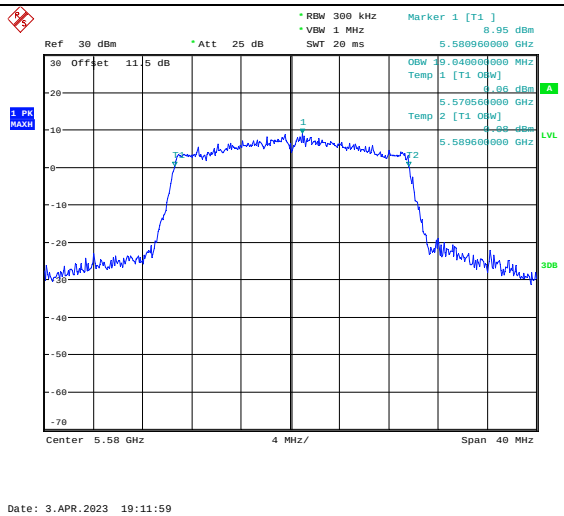
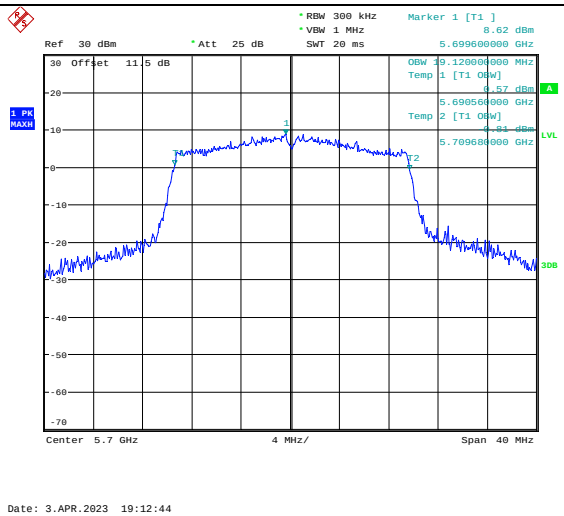
99% Emission Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

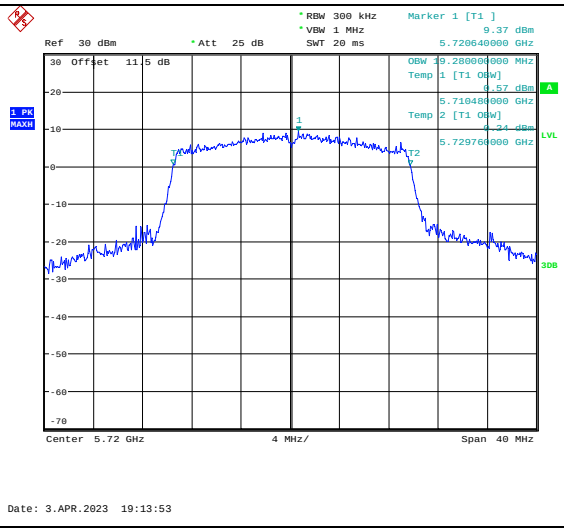
802.11n ht20 5720 MHz	

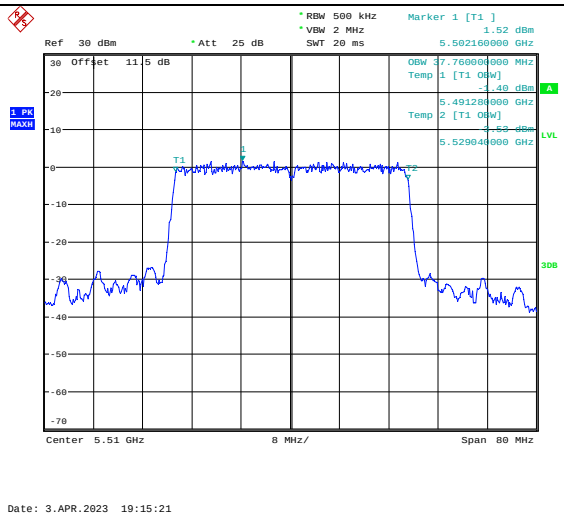
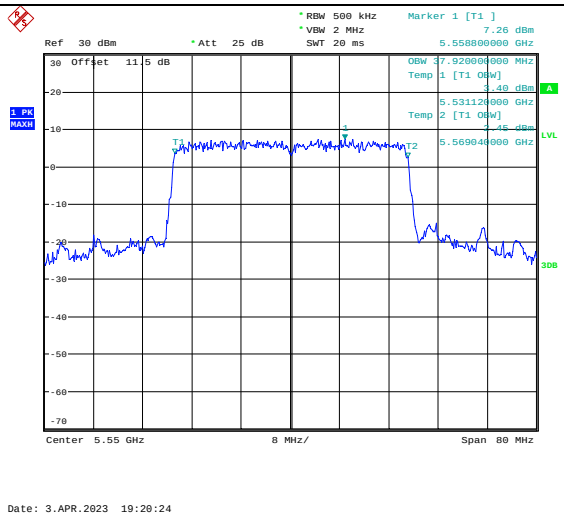
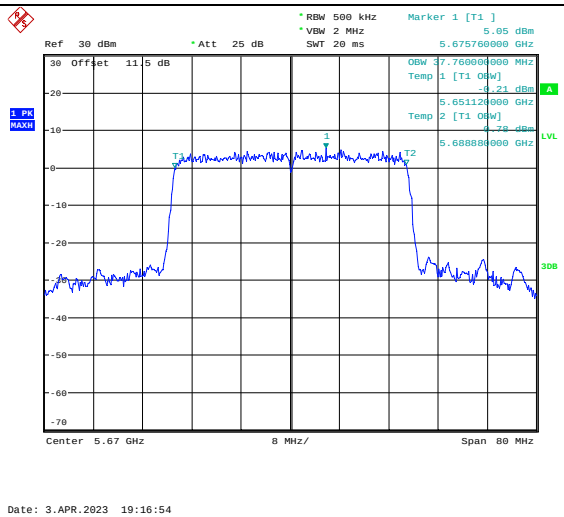
99% Emission Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Middle Channel	
802.11n ht40 Highest Channel	

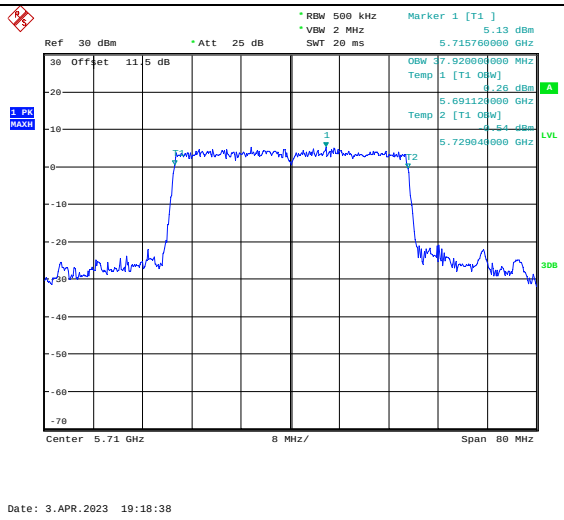
802.11n ht40 Highest Channel	

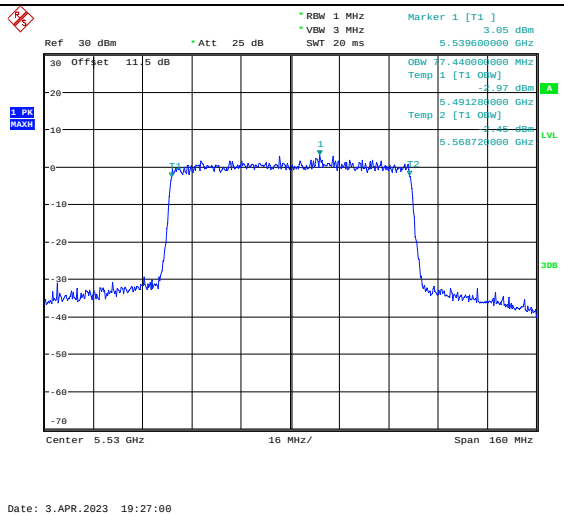
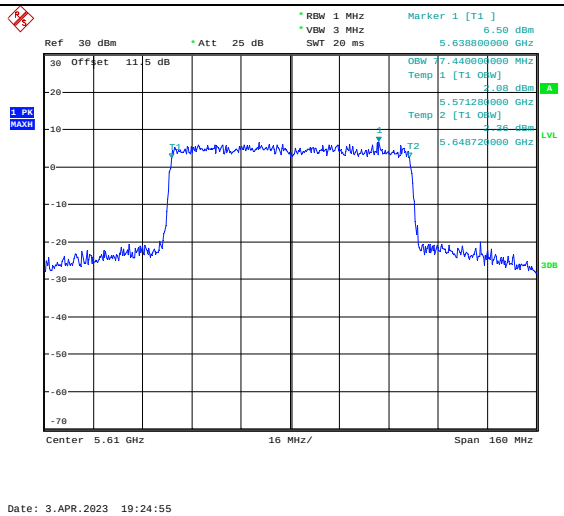
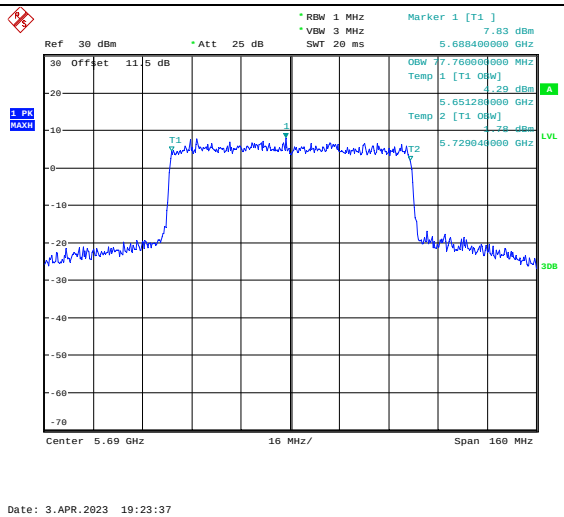
99% Emission Bandwidth	
802.11ac vht80 Lowest Channel	
802.11ac vht80 Middle Channel	
802.11ac vht80 Highest Channel	

99% Emission Bandwidth	
802.11ax hew20 RU 242/61 Lowest Channel	
802.11ax hew20 RU 242/61 Middle Channel	
802.11ax hew20 RU 242/61 Highest Channel	

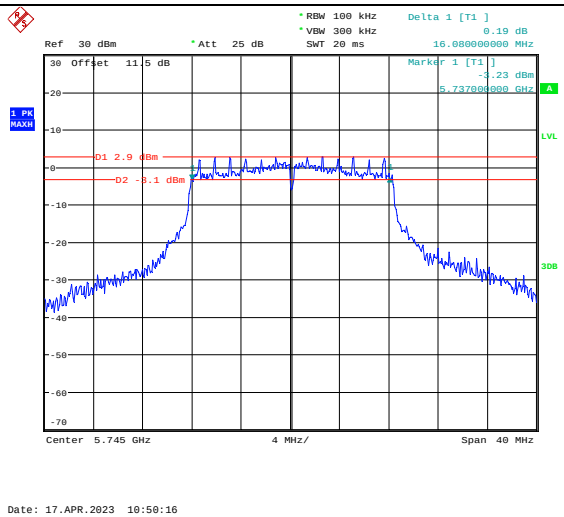
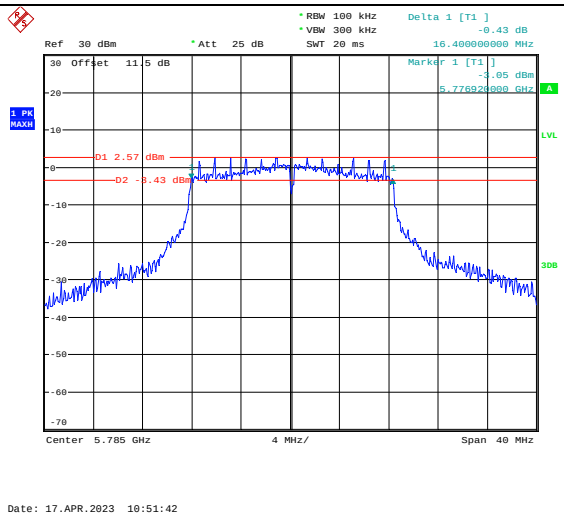
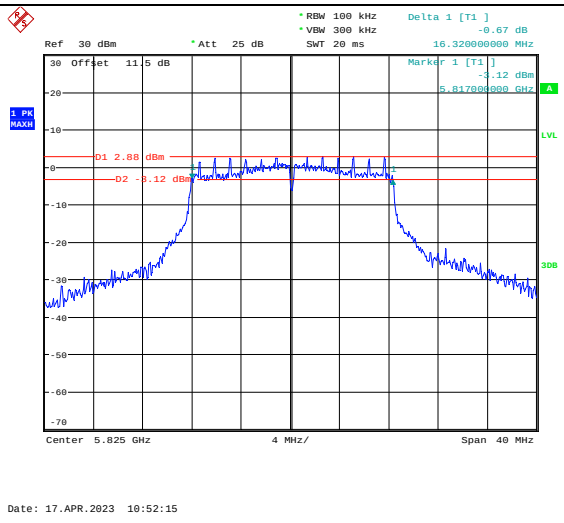
802.11ax hew20 RU 242/61 5720MHz	

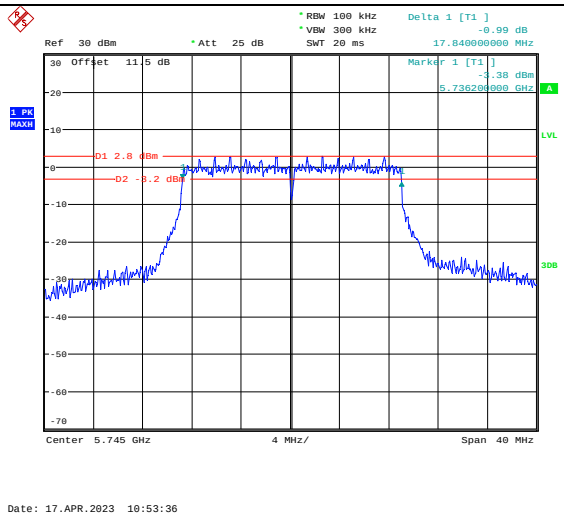
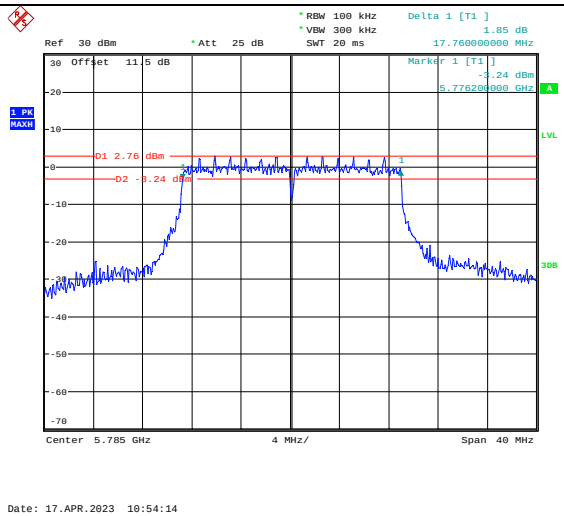
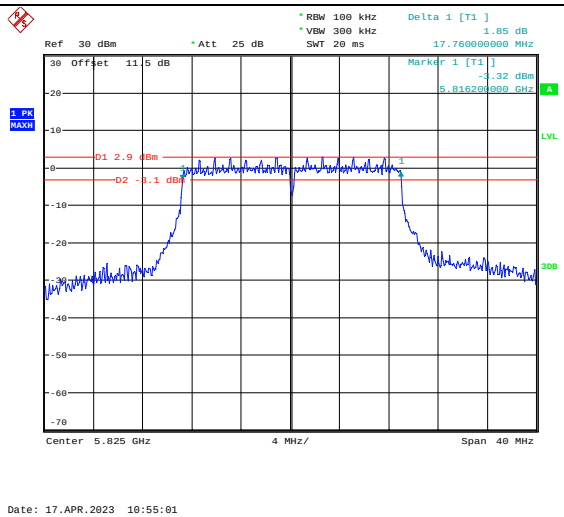
99% Emission Bandwidth	
802.11ax hew40 RU 484/65 Lowest Channel	
802.11ax hew40 RU 484/65 Middle Channel	
802.11ax hew40 RU 484/65 Highest Channel	

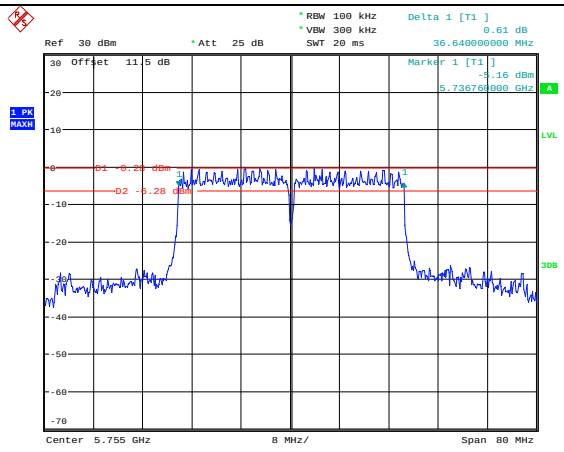
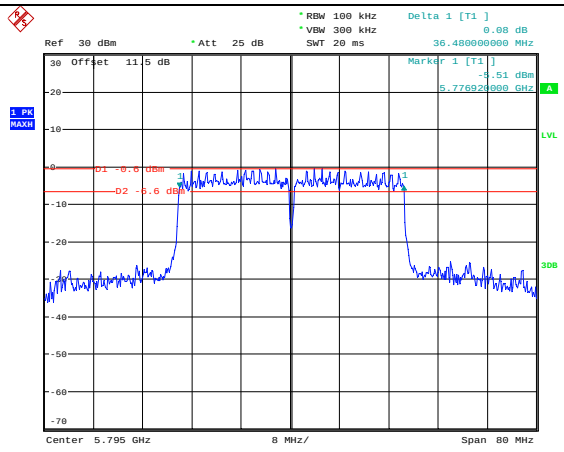
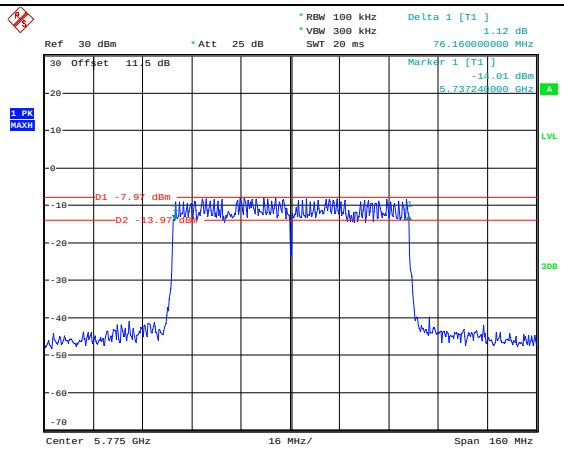
802.11ax hew40 RU 484/65 5710 MHz	

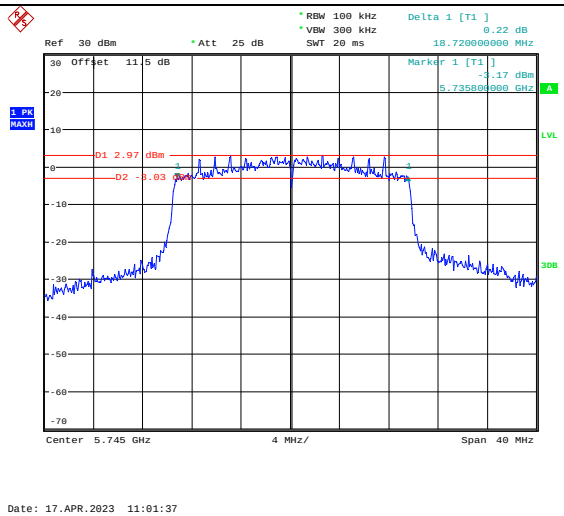
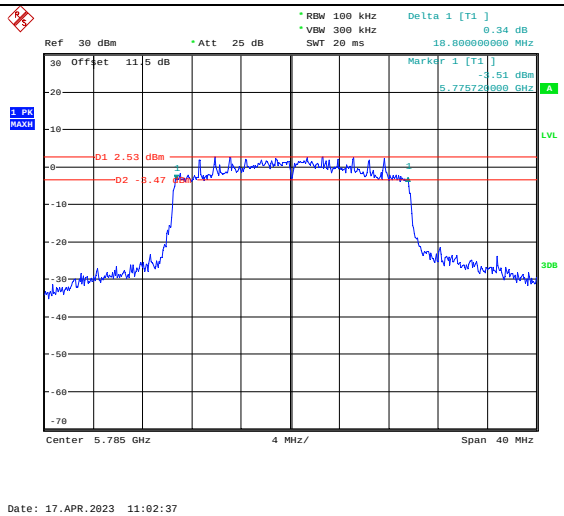
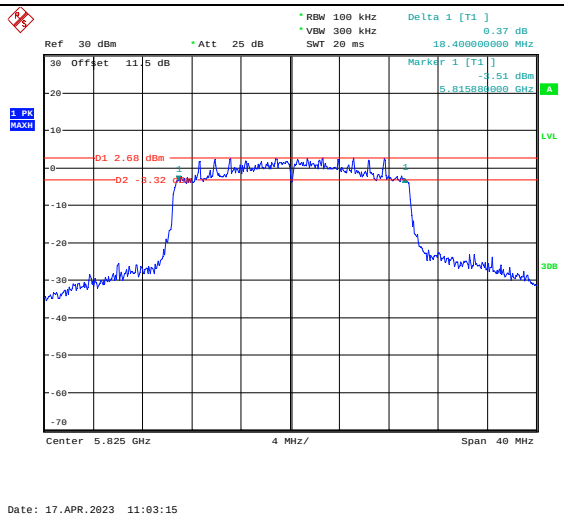
99% Emission Bandwidth	
802.11ax hew80 996/67 Lowest Channel	
802.11ax hew80 996/67 Middle Channel	
802.11ax hew80 996/67 5690MHz	

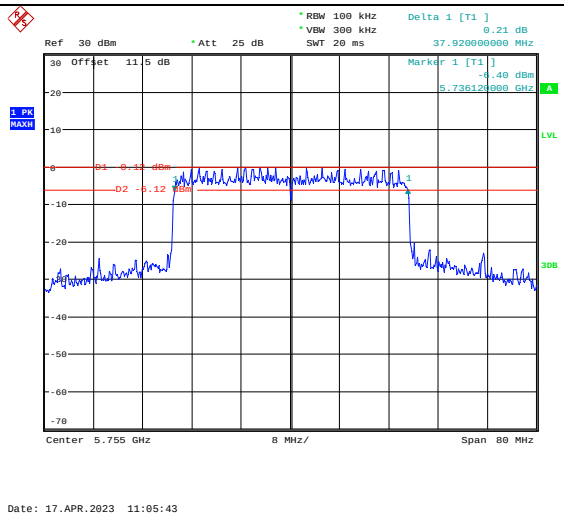
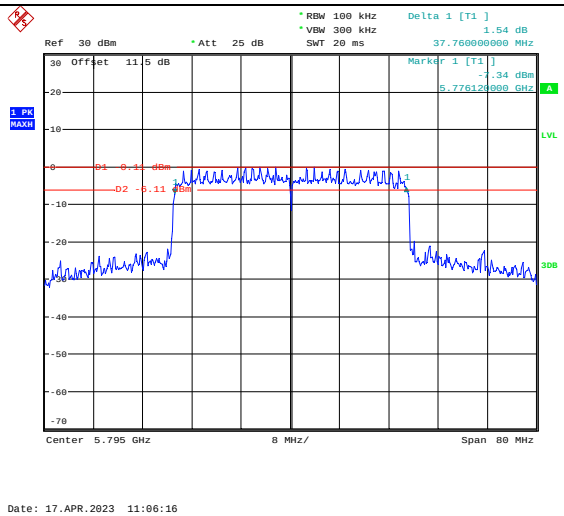
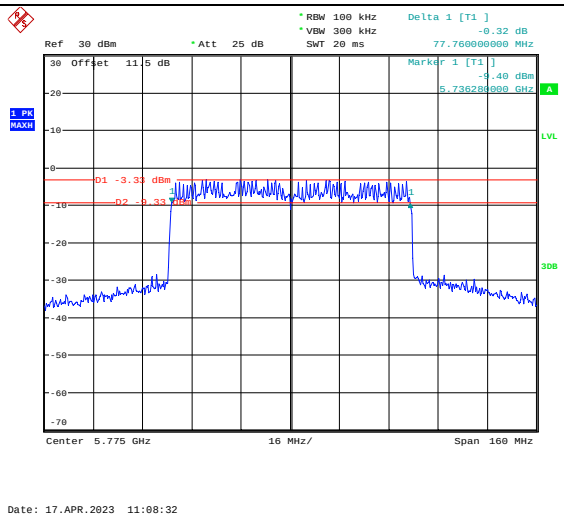
5725-5850MHz:

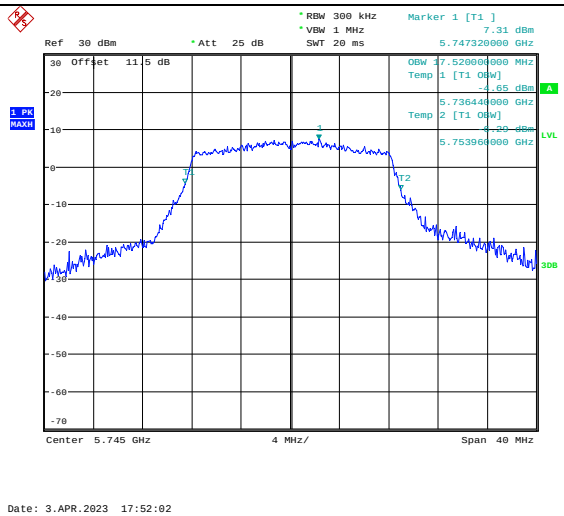
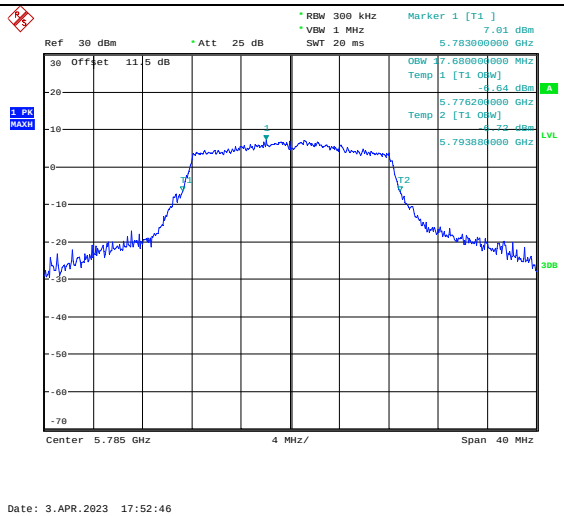
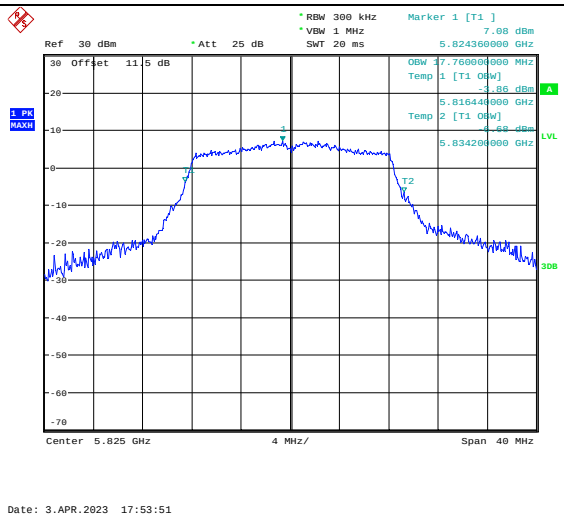
6dB Emission Bandwidth	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

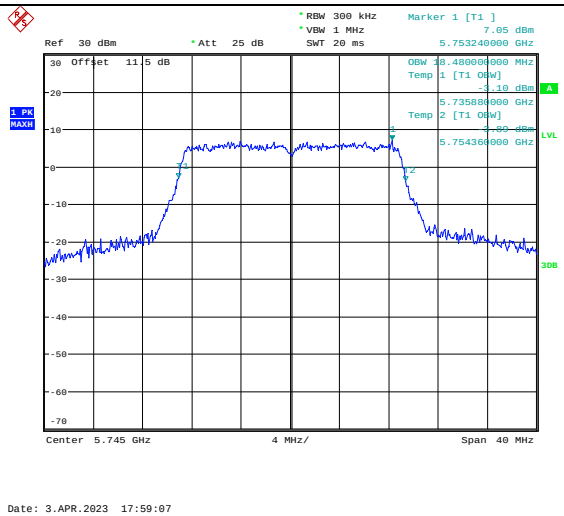
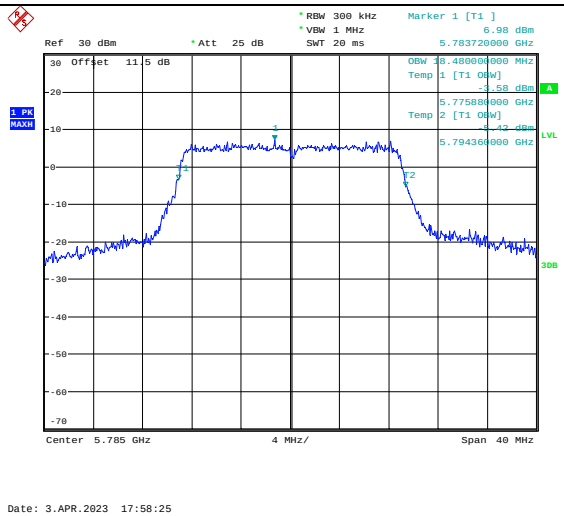
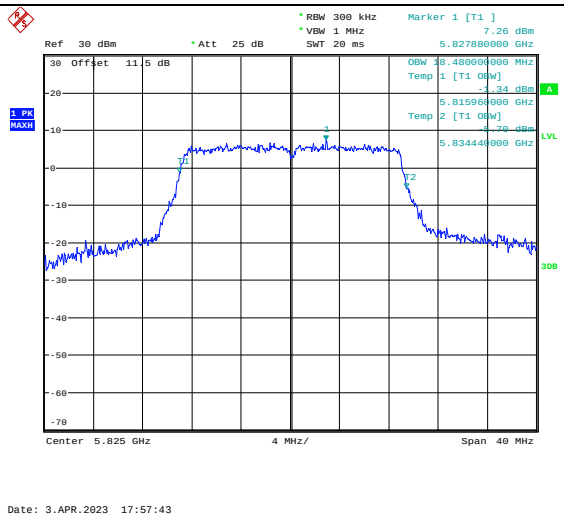
6dB Emission Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

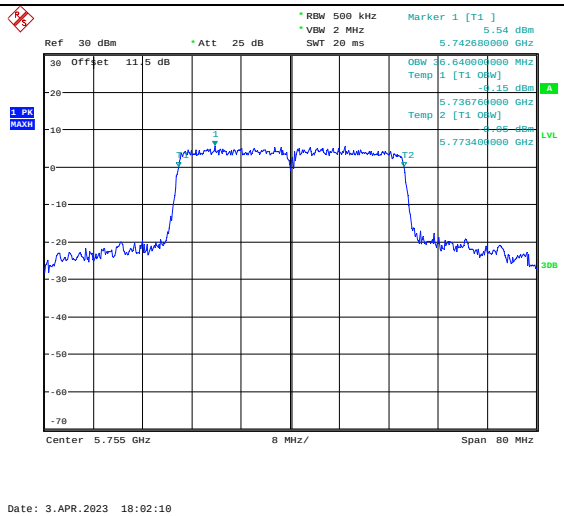
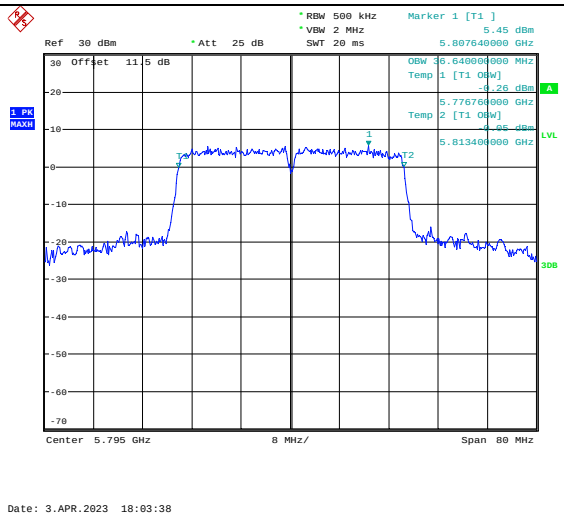
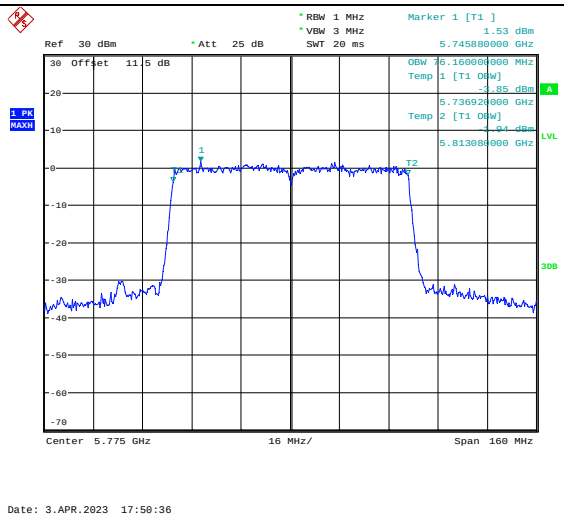
6dB Emission Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

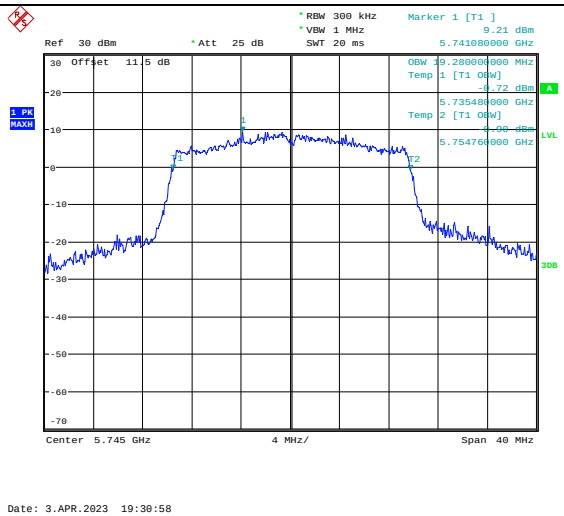
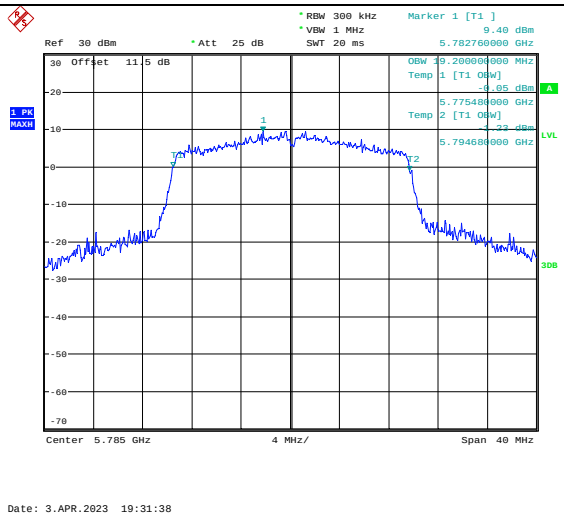
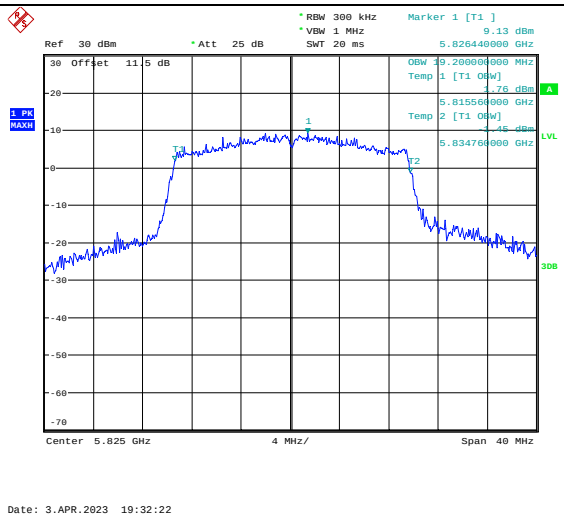
6dB Emission Bandwidth	
802.11ax hew20 RU 242/61 Lowest Channel	
802.11ax hew20 RU 242/61 Middle Channel	
802.11ax hew20 RU 242/61 Highest Channel	

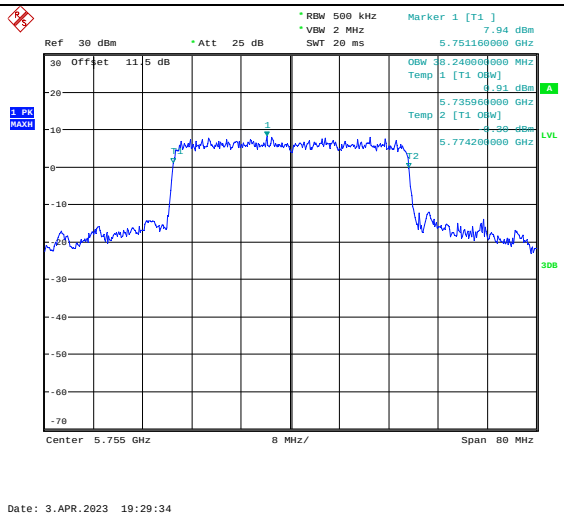
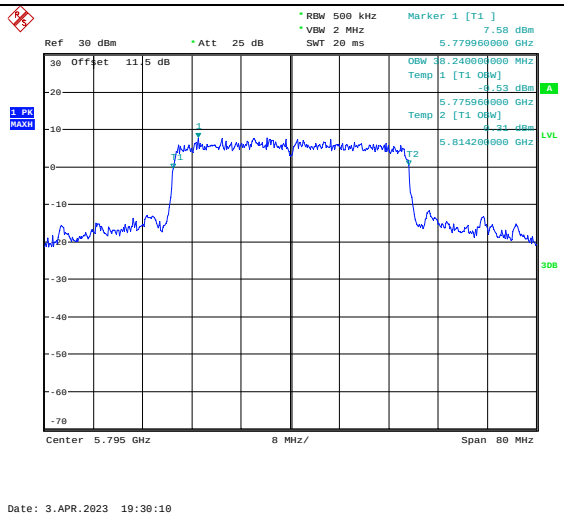
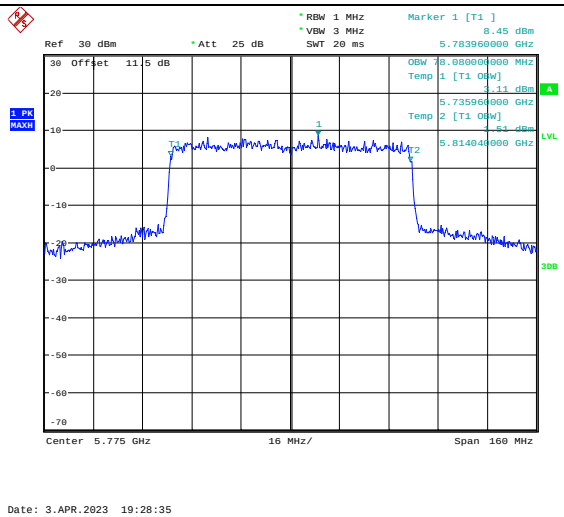
6dB Emission Bandwidth	
802.11ax hew40 RU 484/65 Lowest Channel	
802.11ax hew40 RU 484/65 Highest Channel	
802.11ax hew80 RU 996/67 Middle Channel	

99% Emission Bandwidth	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

99% Emission Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

99% Emission Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

99% Emission Bandwidth	
802.11ax hew20 Lowest Channel	
802.11ax hew20 Middle Channel	
802.11ax hew20 Highest Channel	

99% Emission Bandwidth	
802.11ax hew40 Lowest Channel	
802.11ax hew40 Highest Channel	
802.11ax hew80 Middle Channel	

4.4 Maximum Conducted Output Power:

Serial Number:	1YK8-1	Test Date:	2023/4/3-2023/4/17
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.2-26.2	Relative Humidity: (%)	46-62	ATM Pressure: (kPa)	100.2-101.1

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
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
Agilent	USB Wideband Power Sensor	U2021XA	MY54080015	2022/7/15	2023/7/14

** 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)	RU Config.	Max. Conducted Average Output Power (dBm)			
			Chain 0	Chain 1	Total	FCC Limit
802.11a	5180	/	14.56	14.71	/	24
	5200	/	16.21	14.82	/	24
	5240	/	14.67	14.76	/	24
802.11n ht20	5180	/	14.55	14.19	17.38	24
	5200	/	14.24	14.42	17.34	24
	5240	/	14.32	14.44	17.39	24
802.11n ht40	5190	/	14.38	14.98	17.70	24
	5230	/	14.63	14.72	17.69	24
802.11ac vht80	5210	/	13.52	13.45	16.50	24
802.11ax hew20	5180	26/0	8.69	7.83	11.29	24
		52/37	8.53	7.78	11.18	24
		106/53	8.24	7.91	11.09	24
		242/61	7.99	8.17	11.09	24
	5200	26/0	7.50	8.19	10.87	24
		52/37	8.29	8.33	11.32	24
		106/53	8.03	7.98	11.02	24
		242/61	7.77	8.31	11.06	24
	5240	26/8	8.08	7.72	10.91	24
		52/40	7.86	8.44	11.17	24
		106/54	7.77	8.18	10.99	24
		242/61	8.41	8.13	11.28	24
802.11ax hew40	5190	26/0	8.23	8.12	11.19	24
		52/37	7.53	7.70	10.63	24
		106/53	8.50	7.74	11.15	24
		242/61	7.69	8.20	10.96	24
		484/65	8.44	8.00	11.24	24
	5230	26/17	8.16	8.13	11.16	24
		52/44	8.35	7.88	11.13	24
		106/56	7.89	8.00	10.96	24
		242/62	7.88	7.81	10.86	24
		484/65	8.03	7.86	10.96	24
802.11ax hew80	5210	26/0	8.43	7.84	11.16	24
		52/37	7.64	7.70	10.68	24
		106/53	7.93	8.28	11.12	24
		242/61	8.05	8.30	11.19	24
		484/65	7.85	8.38	11.13	24
		996/67	7.81	7.86	10.85	24

Note:
The device was client device.
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 $N_{ANT} \leq 4$, so Directional gain =5.2dBi

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power (dBm)			
			Chain 0	Chain 1	Total	Limit
802.11a	5260	/	14.89	14.79	/	24.00
	5280	/	14.08	14.77	/	24.00
	5320	/	14.34	14.56	/	24.00
802.11n ht20	5260	/	14.38	14.28	17.34	24.00
	5280	/	14.55	13.99	17.29	24.00
	5320	/	14.38	14.19	17.30	24.00
802.11n ht40	5270	/	14.30	14.52	17.42	24.00
	5310	/	14.51	14.33	17.43	24.00
802.11ac vht80	5290	/	13.87	13.25	16.58	24.00
802.11ax hew20	5260	26/0	8.48	7.97	11.24	24.00
		52/37	8.29	7.81	11.07	24.00
		106/53	8.48	7.64	11.09	24.00
		242/61	7.75	8.03	10.90	24.00
	5280	26/0	8.35	8.33	11.35	24.00
		52/37	8.48	7.99	11.25	24.00
		106/53	7.67	7.54	10.62	24.00
		242/61	8.36	7.83	11.11	24.00
	5320	26/8	7.55	8.06	10.82	24.00
		52/40	8.14	7.59	10.88	24.00
		106/54	8.31	7.67	11.01	24.00
		242/61	7.98	8.18	11.09	24.00
802.11ax hew40	5270	26/0	7.51	7.87	10.70	24.00
		52/37	8.48	7.54	11.05	24.00
		106/53	7.53	7.72	10.64	24.00
		242/61	8.07	7.55	10.83	24.00
		484/65	8.07	8.49	11.30	24.00
	5310	26/17	8.27	8.27	11.28	24.00
		52/44	8.20	8.36	11.29	24.00
		106/56	7.96	7.58	10.78	24.00
		242/62	8.04	7.51	10.79	24.00
		484/65	7.55	7.79	10.68	24.00
802.11ax hew80	5290	26/0	7.94	8.16	11.06	24.00
		52/37	8.43	7.95	11.21	24.00
		106/53	8.32	8.47	11.41	24.00
		242/61	8.29	7.79	11.06	24.00
		484/65	7.71	8.24	10.99	24.00
		996/67	7.96	8.39	11.19	24.00

Note:
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 $N_{ANT} \leq 4$, so Directional gain =5.2dBi

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power (dBm)			
			Chain 0	Chain 1	Total	Limit
802.11a	5500	/	12.29	15.07	/	24.00
	5580	/	14.58	14.79	/	24.00
	5700	/	14.62	13.81	/	24.00
	5720	/	14.37	12.17	/	24.00
802.11n ht20	5500	/	11.56	13.47	15.63	24.00
	5580	/	14.78	14.69	17.75	24.00
	5700	/	11.78	11.56	14.68	24.00
	5720	/	11.27	11.78	14.54	24.00
802.11n ht40	5510	/	10.27	12.38	14.46	24.00
	5550	/	13.56	14.05	16.82	24.00
	5670	/	13.49	14.37	16.96	24.00
	5710	/	13.57	14.02	16.81	24.00
802.11ac vht80	5530	/	11.78	12.35	15.08	24.00
	5610	/	13.27	13.78	16.54	24.00
	5690	/	13.56	13.22	16.40	24.00
802.11ax hew20	5500	26/0	8.25	7.64	10.97	24.00
		52/37	7.71	7.63	10.68	24.00
		106/53	7.53	8.18	10.88	24.00
		242/61	8.31	7.73	11.04	24.00
	5580	26/0	7.51	8.32	10.94	24.00
		52/37	8.01	8.38	11.21	24.00
		106/53	7.75	7.62	10.70	24.00
		242/61	7.51	7.65	10.59	24.00
	5700	26/8	8.14	8.35	11.26	24.00
		52/40	7.94	8.09	11.03	24.00
		106/54	7.89	8.29	11.10	24.00
		242/61	7.51	7.94	10.74	24.00
	5720	26/8	8.12	7.70	10.93	24.00
		52/40	8.36	7.62	11.02	24.00
		106/54	7.62	7.76	10.70	24.00
		242/61	8.44	8.12	11.29	24.00
802.11ax hew40	5510	26/0	7.50	8.47	11.02	24.00
		52/37	8.03	7.93	10.99	24.00
		106/53	7.54	8.28	10.94	24.00
		242/61	8.45	7.79	11.14	24.00
		484/65	8.21	7.78	11.01	24.00
	5550	26/17	8.24	8.14	11.20	24.00
		52/44	7.77	7.63	10.71	24.00
		106/56	7.68	7.93	10.82	24.00
		242/62	7.89	8.07	10.99	24.00

		484/65	8.15	7.76	10.97	24.00
	5670	26/17	7.78	8.35	11.08	24.00
		52/44	7.90	7.96	10.94	24.00
		106/56	7.75	7.93	10.85	24.00
		242/62	8.24	7.86	11.06	24.00
		484/65	8.07	7.99	11.04	24.00
	5710	26/17	8.15	8.33	11.25	24.00
		52/44	8.48	7.94	11.23	24.00
		106/56	7.94	8.07	11.02	24.00
		242/62	8.15	7.96	11.07	24.00
		484/65	7.94	7.86	10.91	24.00
802.11ax hew80	5530	26/0	7.92	7.73	10.84	24.00
		52/37	8.39	8.46	11.44	24.00
		106/53	8.48	8.48	11.49	24.00
		242/61	8.29	7.99	11.15	24.00
		484/65	8.34	8.39	11.38	24.00
		996/67	8.32	8.19	11.27	24.00
	5610	26/0	8.45	7.53	11.02	24.00
		52/37	8.14	7.94	11.05	24.00
		106/53	7.69	8.22	10.97	24.00
		242/61	8.28	8.21	11.26	24.00
		484/65	7.64	7.74	10.70	24.00
		996/67	8.31	7.98	11.16	24.00
	5690	26/0	7.67	8.26	10.99	24.00
		52/37	7.95	8.05	11.01	24.00
		106/53	7.56	7.53	10.56	24.00
		242/61	8.47	8.13	11.31	24.00
		484/65	8.03	8.46	11.26	24.00
		996/67	8.11	7.87	11.00	24.00

Note:
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 $N_{ANT} \leqslant 4$, so Directional gain =5.2dBi

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Max. Conducted Average Output Power (dBm)			
			Chain 0	Chain 1	Total	Limit
802.11a	5745	/	14.77	14.51	/	30.00
	5785	/	14.34	14.73	/	30.00
	5825	/	14.56	14.89	/	30.00
802.11n ht20	5745	/	12.37	12.97	15.69	30.00
	5785	/	12.97	13.71	16.37	30.00
	5825	/	14.89	13.77	17.38	30.00
802.11n ht40	5755	/	13.56	13.24	16.41	30.00
	5795	/	13.79	14.02	16.92	30.00
802.11ac vht80	5775	/	13.17	13.01	16.10	30.00
802.11ax hew20	5745	26/0	8.42	8.00	11.23	30.00
		52/37	7.64	8.07	10.87	30.00
		106/53	7.80	7.51	10.67	30.00
		242/61	7.83	7.93	10.89	30.00
	5785	26/0	8.22	8.00	11.12	30.00
		52/37	8.46	8.25	11.37	30.00
		106/53	7.51	7.99	10.77	30.00
		242/61	8.29	7.64	10.99	30.00
	5825	26/8	8.45	7.97	11.23	30.00
		52/40	7.63	8.12	10.89	30.00
		106/54	7.77	8.24	11.02	30.00
		242/61	7.99	8.27	11.14	30.00
802.11ax hew40	5755	26/0	8.13	8.12	11.14	30.00
		52/37	8.11	7.58	10.86	30.00
		106/53	7.85	7.87	10.87	30.00
		242/61	8.07	7.58	10.84	30.00
		484/65	8.38	7.63	11.03	30.00
	5795	26/17	7.92	8.36	11.16	30.00
		52/44	8.40	8.48	11.45	30.00
		106/56	8.17	7.62	10.91	30.00
		242/62	8.48	7.58	11.06	30.00
		484/65	8.44	8.04	11.25	30.00
802.11ax hew80	5775	26/0	8.43	8.34	11.40	30.00
		52/37	8.00	7.81	10.92	30.00
		106/53	7.85	7.67	10.77	30.00
		242/61	7.66	7.83	10.76	30.00
		484/65	8.22	8.17	11.21	30.00
		996/67	7.54	8.25	10.92	30.00

Note:
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 $N_{ANT} \leqslant 4$, So Directional gain=5.2dBi

4.5 Maximum power spectral density:

Serial Number:	1YK8-1	Test Date:	2023/4/5-2023/12/22
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.2-26.2	Relative Humidity: (%)	46-62	ATM Pressure: (kPa)	100.2-101.1

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/07/15	2023/7/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSU26	200256	2023/3/31	2024/3/30

** 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)	RU Config.	Maximum Power Spectral Density (dBm/MHz)				
			Chain 0	Chain 1	Total	Result	FCC Limit
802.11a	5180	/	2.23	2.45	/	2.70	8.8
	5200	/	3.19	2.69	/	3.44	8.8
	5240	/	3.02	2.51	/	3.27	8.8
802.11n ht20	5180	/	-3.15	-4.18	-0.62	-2.20	8.8
	5200	/	-3.64	-3.82	-0.72	-2.69	8.8
	5240	/	-2.82	-3.72	-0.24	-1.87	8.8
802.11n ht40	5190	/	-14.54	-16.11	-12.24	-11.76	8.8
	5230	/	-10.50	-10.88	-7.68	-7.72	8.8
802.11ac vht80	5210	/	-22.83	-22.31	-19.55	-18.52	8.8
802.11ax hew20	5180	26/0	1.67	1.51	4.60	4.75	8.8
		52/37	-2.00	-2.06	0.98	1.34	8.8
		106/53	-5.50	-4.92	-2.19	-0.66	8.8
		242/61	-9.19	-8.65	-5.90	-4.49	8.8
	5200	26/0	0.51	1.34	3.96	4.11	8.8
		52/37	-2.57	-1.58	0.96	1.32	8.8
		106/53	-5.44	-4.88	-2.14	-0.61	8.8
		242/61	-9.16	-9.00	-6.07	-4.66	8.8
	5240	26/8	1.25	1.81	4.55	4.70	8.8
		52/40	-1.76	-1.26	1.51	1.87	8.8
		106/54	-5.77	-4.83	-2.26	-0.73	8.8
		242/61	-9.13	-8.89	-6.00	-4.59	8.8
802.11ax hew40	5190	26/0	-0.41	0.02	2.82	4.03	8.8
		52/37	-3.52	-3.17	-0.33	1.79	8.8
		106/53	-6.74	-6.09	-3.39	0.15	8.8
		242/61	-9.86	-9.47	-6.65	-1.21	8.8
		484/65	-12.65	-13.06	-9.84	-2.75	8.8
	5230	26/17	-1.12	-0.57	2.17	3.38	8.8
		52/44	-3.26	-2.81	-0.02	2.10	8.8
		106/56	-6.85	-6.36	-3.59	-0.05	8.8
		242/62	-9.82	-9.77	-6.78	-1.34	8.8
		484/65	-12.89	-12.90	-9.88	-2.79	8.8
802.11ax hew80	5210	26/0	1.00	0.70	3.86	3.86	8.8
		52/37	-1.86	-1.34	1.42	1.42	8.8
		106/53	-4.81	-4.46	-1.62	-1.62	8.8
		242/61	-7.72	-8.49	-5.08	-4.19	8.8
		484/65	-10.61	-11.25	-7.91	-6.26	8.8
		996/67	-14.41	-15.42	-11.88	-9.09	8.8

Note:
The device is a client unit.
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_{ANT}/N_{SS}) dB
Duty cycle ≥98%, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 was used.
Duty cycle <98%, duty cycle variations are less than ±2%, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 was used. Duty cycle <98%, Duty Cycle Factor add to the result.
So Directional gain=8.2dBi

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Maximum Power Spectral Density (dBm/MHz)				
			Chain 0	Chain 1	Total	Result	Limit
802.11a	5260	/	2.42	2.18	/	2.67	8.8
	5280	/	3.15	2.01	/	3.40	8.8
	5320	/	2.70	1.79	/	2.95	8.8
802.11n ht20	5260	/	-3.92	-4.32	-1.11	-2.97	8.8
	5280	/	-3.83	-4.51	-1.15	-2.88	8.8
	5320	/	-3.47	-4.56	-0.97	-2.52	8.8
802.11n ht40	5270	/	-15.64	-15.95	-12.78	-12.86	8.8
	5310	/	-15.70	-15.92	-12.80	-12.92	8.8
802.11ac vht80	5290	/	-24.07	-24.20	-21.12	-20.28	8.8
802.11ax hew20	5260	26/0	5.23	5.30	8.28	8.43	8.8
		52/37	2.27	2.03	5.16	5.52	8.8
		106/53	-0.29	-1.64	2.10	3.63	8.8
		242/61	-3.95	-5.49	-1.64	-0.23	8.8
	5280	26/0	5.33	5.49	8.42	8.57	8.8
		52/37	2.34	2.40	5.38	5.74	8.8
		106/53	-0.23	-1.20	2.32	3.85	8.8
		242/61	-4.09	-5.20	-1.60	-0.19	8.8
	5320	26/8	5.03	5.99	8.55	8.70	8.8
		52/40	1.48	2.71	5.15	5.51	8.8
		106/54	-0.83	-0.78	2.21	3.74	8.8
		242/61	-4.11	-4.86	-1.46	-0.05	8.8
802.11ax hew40	5270	26/0	3.73	3.28	6.52	7.73	8.8
		52/37	1.24	0.07	3.70	5.82	8.8
		106/53	-3.43	-3.16	-0.28	3.26	8.8
		242/61	-6.33	-7.13	-3.70	1.74	8.8
		484/65	-9.44	-10.67	-7.00	0.09	8.8
	5310	26/17	4.32	3.68	7.02	8.23	8.8
		52/44	1.71	0.89	4.33	6.45	8.8
		106/56	-2.89	-2.83	0.15	3.69	8.8
		242/62	-5.51	-5.69	-2.59	2.85	8.8
		484/65	-9.32	-9.83	-6.56	0.53	8.8
802.11ax hew80	5290	26/0	5.64	5.11	8.39	8.39	8.8
		52/37	3.27	2.05	5.71	5.71	8.8
		106/53	-0.81	-1.51	1.86	1.86	8.8
		242/61	-4.20	-5.27	-1.69	-0.80	8.8
		484/65	-7.43	-8.71	-5.01	-3.36	8.8
		996/67	-11.77	-11.48	-8.61	-5.82	8.8

Note:
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_{ANT}/N_{SS}) dB
Duty cycle ≥98%, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 was used.
Duty cycle <98%, duty cycle variations are less than ±2%, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 was used. Duty cycle <98%, Duty Cycle Factor add to the result.
So Directional gain=8.2dBi

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	RU Config.	Maximum Power Spectral Density (dBm/MHz)				
			Chain 0	Chain 1	Total	Result	FCC Limit
802.11a	5500	/	-0.07	3.21	/	3.46	8.8
	5580	/	2.48	2.64	/	2.89	8.8
	5700	/	0.09	0.49	/	0.74	8.8
	5720	/	-0.11	1.09	/	1.34	8.8
802.11n ht20	5500	/	-7.04	-4.30	-2.45	-3.35	8.8
	5580	/	-3.48	-3.45	-0.45	-2.50	8.8
	5700	/	-7.56	-8.58	-5.03	-6.61	8.8
	5720	/	-6.97	-7.51	-4.22	-6.02	8.8
802.11n ht40	5510	/	-19.98	-18.61	-16.23	-15.83	8.8
	5550	/	-16.41	-15.04	-12.66	-12.26	8.8
	5670	/	-16.75	-16.43	-13.58	-13.65	8.8
	5710	/	-16.60	-17.15	-13.86	-13.82	8.8
802.11ac vht80	5530	/	-26.97	-21.82	-20.66	-18.03	8.8
	5610	/	-24.83	-22.46	-20.47	-18.67	8.8
	5690	/	-24.62	-24.20	-21.39	-20.41	8.8
802.11ax hew20	5500	26/0	5.39	5.57	8.49	8.64	8.8
		52/37	2.28	1.60	4.96	5.32	8.8
		106/53	-1.72	-1.05	1.64	3.17	8.8
		242/61	-5.47	-5.69	-2.57	-1.16	8.8
	5580	26/0	5.18	5.38	8.29	8.44	8.8
		52/37	2.06	1.98	5.03	5.39	8.8
		106/53	-1.68	-1.01	1.68	3.21	8.8
		242/61	-5.54	-5.60	-2.56	-1.15	8.8
	5700	26/8	4.82	5.81	8.35	8.50	8.8
		52/40	1.61	2.47	5.07	5.43	8.8
		106/54	-2.03	-1.35	1.33	2.86	8.8
		242/61	-6.23	-5.26	-2.71	-1.30	8.8
	5720	26/8	4.60	5.64	8.16	8.31	8.8
		52/40	1.50	2.33	4.95	5.31	8.8
		106/54	-1.88	-1.07	1.55	3.08	8.8
		242/61	-6.11	-5.70	-2.89	-1.48	8.8
802.11ax hew40	5510	26/0	4.38	4.45	7.43	8.64	8.8
		52/37	1.53	1.95	4.76	6.88	8.8
		106/53	-2.76	-2.50	0.38	3.92	8.8
		242/61	-4.46	-5.08	-1.75	3.69	8.8
		484/65	-7.44	-8.88	-5.09	2.00	8.8
	5550	26/0	3.57	4.40	7.02	8.23	8.8
		52/37	1.45	1.66	4.57	6.69	8.8
		106/53	-3.01	-2.80	0.11	3.65	8.8
		242/61	-5.11	-5.33	-2.21	3.23	8.8
		484/65	-7.94	-8.86	-5.37	1.72	8.8
	5670	26/17	4.08	4.96	7.55	8.76	8.8
		52/44	1.60	2.25	4.95	7.07	8.8
		106/56	-2.09	-1.84	1.05	4.59	8.8
		242/62	-4.55	-5.12	-1.82	3.62	8.8
		484/65	-7.50	-8.22	-4.83	2.26	8.8
	5710	26/17	4.74	4.12	7.45	8.66	8.8
		52/44	1.96	2.59	5.30	7.42	8.8

		106/56	-2.33	-1.04	1.37	4.91	8.8
		242/62	-4.48	-4.78	-1.62	3.82	8.8
		484/65	-7.20	-8.44	-4.77	2.32	8.8
802.11ax hew80	5530	26/0	5.81	5.70	8.77	8.77	8.8
		52/37	3.01	3.06	6.05	6.05	8.8
		106/53	-0.45	-0.93	2.33	2.33	8.8
		242/61	-3.98	-4.33	-1.14	-0.25	8.8
		484/65	-7.41	-7.54	-4.46	-2.81	8.8
		996/67	-10.40	-11.11	-7.73	-4.94	8.8
	5610	26/36	5.71	5.76	8.75	8.75	8.8
		52/52	3.05	3.14	6.11	6.11	8.8
		106/60	-0.85	-0.92	2.13	2.13	8.8
		242/64	-4.28	-4.09	-1.17	-0.28	8.8
		484/66	-7.38	-7.87	-4.61	-2.96	8.8
		996/67	-10.10	-11.37	-7.68	-4.89	8.8
	5690	26/36	5.67	5.24	8.47	8.47	8.8
		52/52	3.77	3.81	6.80	6.80	8.8
		106/60	-0.32	-0.24	2.73	2.73	8.8
		242/64	-3.80	-3.79	-0.78	0.11	8.8
		484/66	-7.02	-7.03	-4.01	-2.36	8.8
		996/67	-10.89	-10.75	-7.81	-5.02	8.8

Note:
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_{ANT}/N_{SS}) dB
Duty cycle ≥98%, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 was used.
Duty cycle <98%, duty cycle variations are less than ±2%, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 was used. Duty cycle <98%, Duty Cycle Factor add to the result.
So Directional gain=8.2dBi

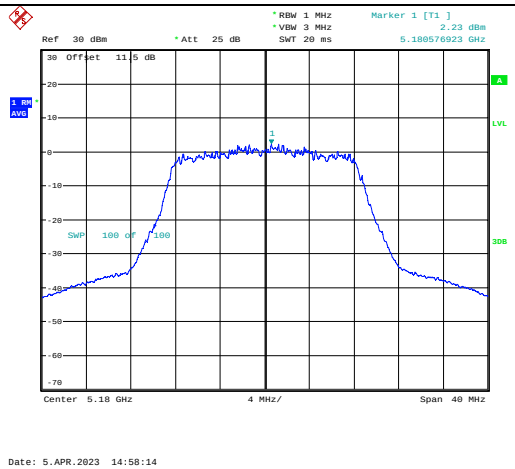
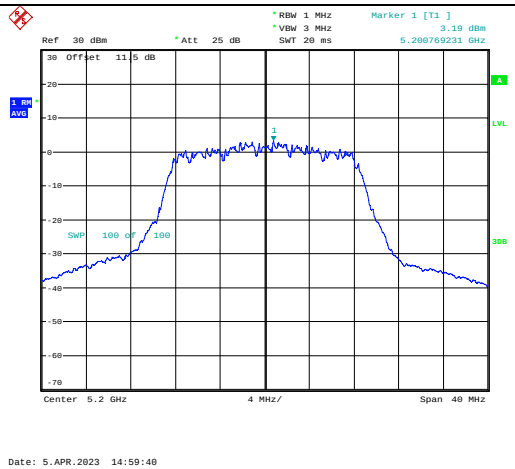
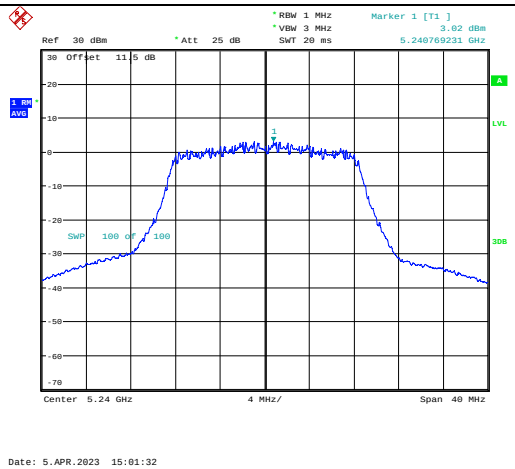
5725-5850 MHz:

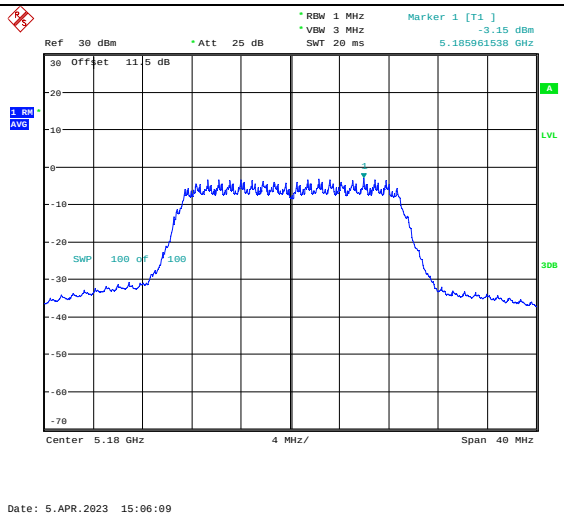
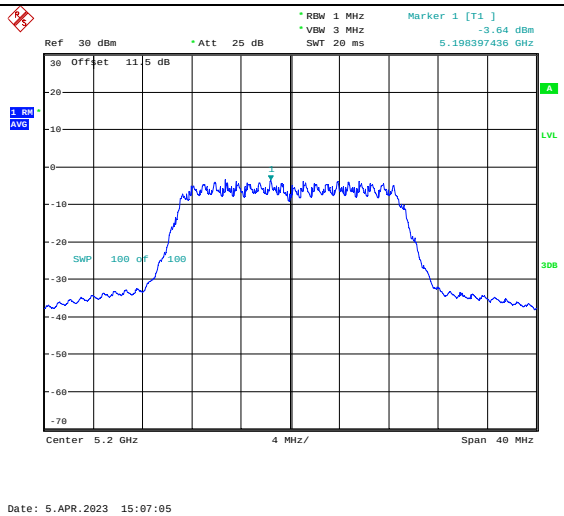
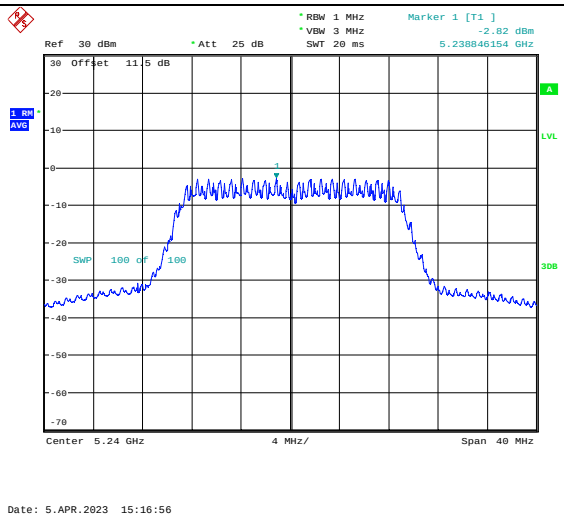
Test Modes	Test Frequency (MHz)	RU Config.	Maximum Power Spectral Density (dBm/500kHz)				
			Chain 0	Chain 1	Total	Result	Limit
802.11a	5745	/	-0.22	-0.13	/	0.12	27.8
	5785	/	-0.08	0.52	/	0.77	27.8
	5825	/	0.64	0.53	/	0.89	27.8
802.11n ht20	5745	/	-5.80	-4.72	-2.22	-3.77	27.8
	5785	/	-6.34	-5.12	-2.68	-4.17	27.8
	5825	/	-3.25	-4.66	-0.89	-2.30	27.8
802.11n ht40	5755	/	-16.76	-16.63	-13.68	-13.85	27.8
	5795	/	-17.85	-18.30	-15.06	-15.07	27.8
802.11ac vht80	5775	/	-26.98	-27.52	-24.23	-23.19	27.8
802.11ax hew20	5745	26/0	8.76	8.76	11.77	11.92	27.8
		52/37	5.31	5.24	8.29	8.65	27.8
		106/53	1.86	1.65	4.77	6.30	27.8
		242/61	-3.87	-3.75	-0.80	0.61	27.8
	5785	26/0	8.58	8.54	11.57	11.72	27.8
		52/37	5.19	5.28	8.25	8.61	27.8
		106/53	1.58	1.58	4.59	6.12	27.8
		242/61	-3.58	-3.76	-0.66	0.75	27.8
	5825	26/8	8.70	9.11	11.92	12.07	27.8
		52/40	5.35	5.41	8.39	8.75	27.8
		106/54	1.73	1.99	4.87	6.40	27.8
		242/61	-3.61	-3.58	-0.58	0.83	27.8
802.11ax hew40	5755	26/0	7.95	8.06	11.02	12.23	27.8
		52/37	4.46	4.68	7.58	9.70	27.8
		106/53	1.02	1.09	4.07	7.61	27.8
		242/61	-3.04	-3.10	-0.06	5.38	27.8
		484/65	-6.94	-7.25	-4.08	3.01	27.8
	5795	26/17	7.71	7.12	10.44	11.65	27.8
		52/44	4.30	4.38	7.35	9.47	27.8
		106/56	0.77	1.31	4.06	7.60	27.8
		242/62	-2.80	-2.70	0.26	5.70	27.8
		484/65	-6.38	-6.41	-3.38	3.71	27.8
802.11ax hew80	5775	26/0	7.34	7.77	10.57	10.57	27.8
		52/37	4.75	4.83	7.80	7.80	27.8
		106/53	0.90	1.09	4.01	4.01	27.8
		242/61	-2.43	-2.92	0.34	1.23	27.8
		484/65	-5.83	-5.60	-2.70	-1.05	27.8
		996/67	-9.40	-9.30	-6.34	-3.55	27.8

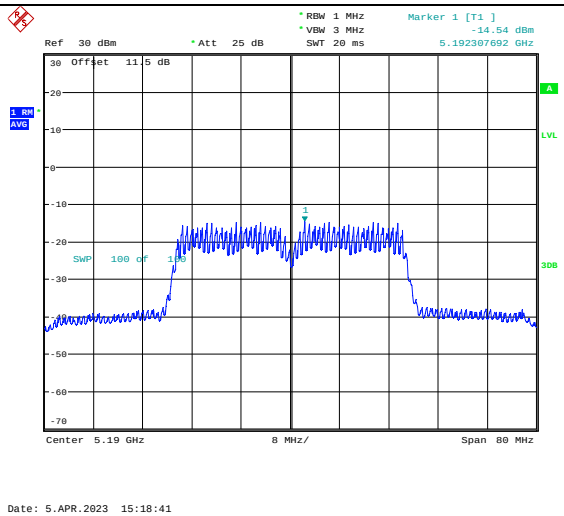
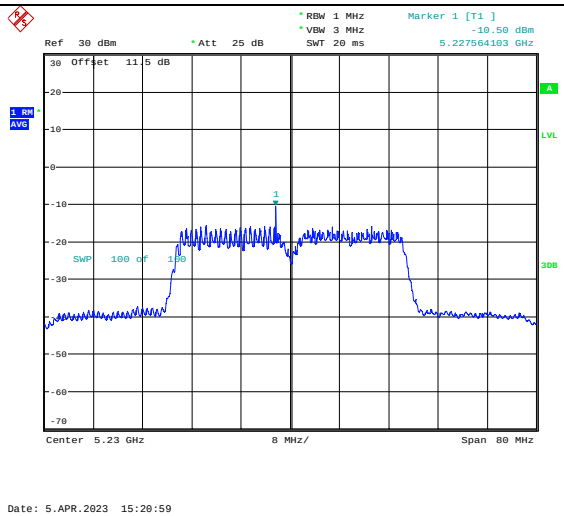
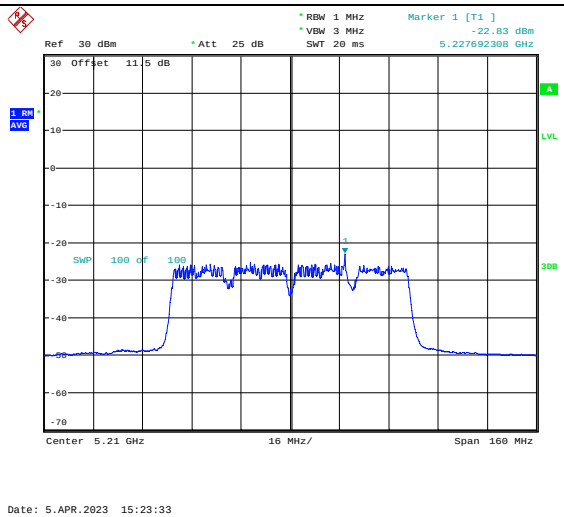
Note:
The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:
Array Gain = 10 log(N_{ANT}/N_{SS}) dB
Duty cycle ≥98%, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 was used.
Duty cycle <98%, duty cycle variations are less than ±2%, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 was used. Duty cycle <98%, Duty Cycle Factor add to the result.

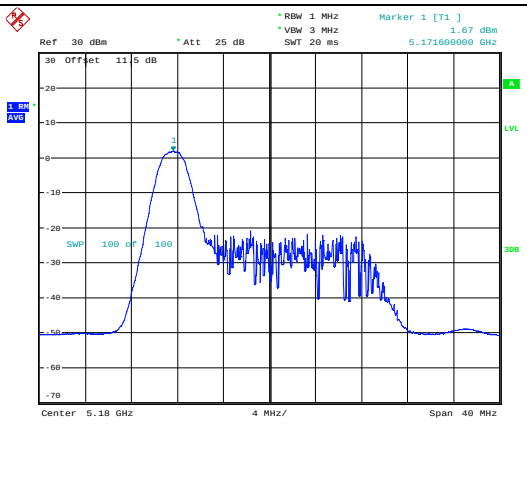
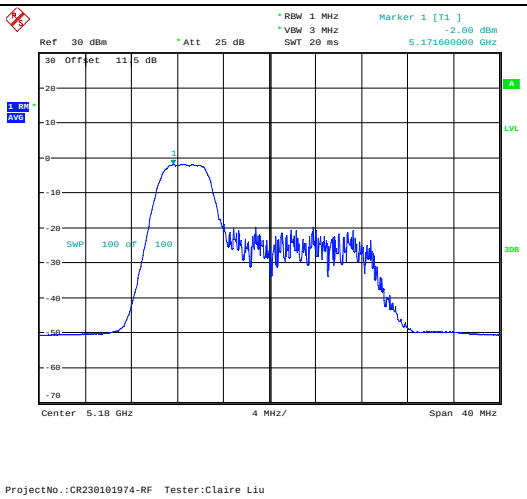
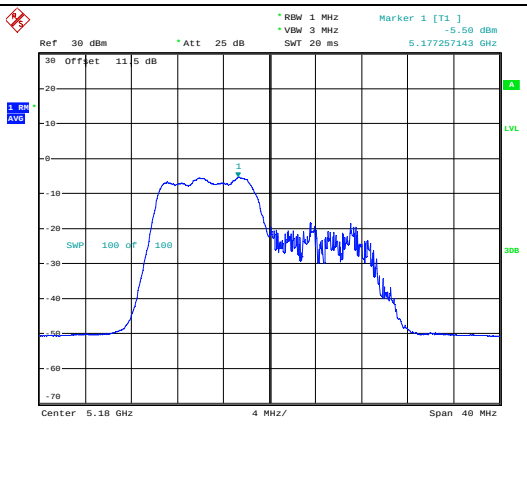
So Directional gain=8.2dBi

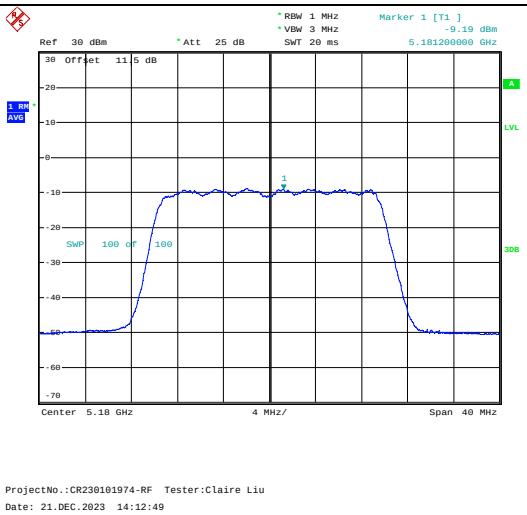
5150-5250MHz:
Chain 0:

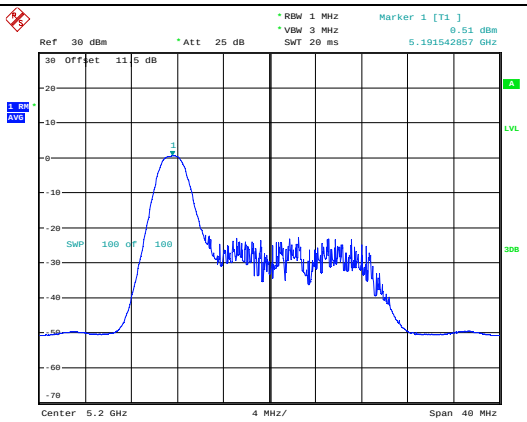
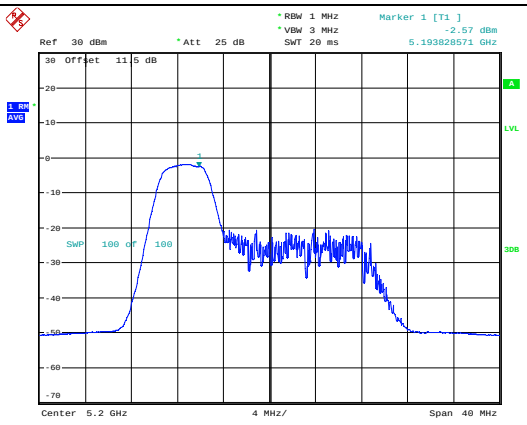
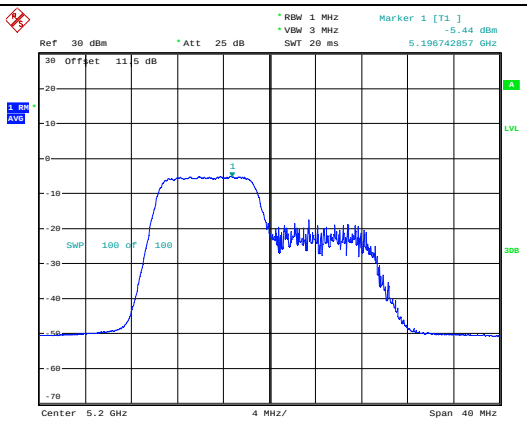
Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

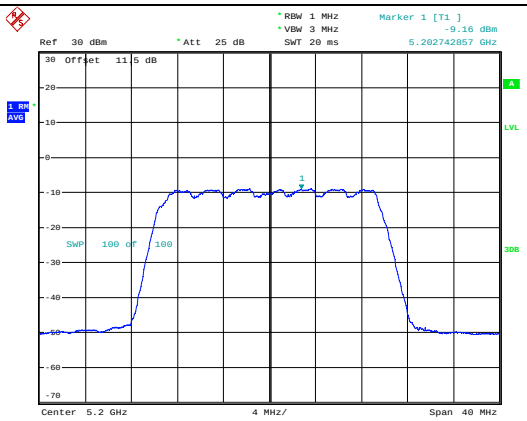
Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

Maximum power spectral density	
802.11ax hew20 RU 26/0 Lowest Channel	
802.11ax hew20 RU 52/37 Lowest Channel	
802.11ax hew20 RU 106/53 Lowest Channel	

802.11ax hew20 RU 242/61 Lowest Channel	

Maximum power spectral density	
802.11ax hew20 RU 26/0 Middle Channel	
802.11ax hew20 RU 52/37 Middle Channel	
802.11ax hew20 RU 106/53 Middle Channel	

802.11ax hew20 RU 242/61 Middle Channel	

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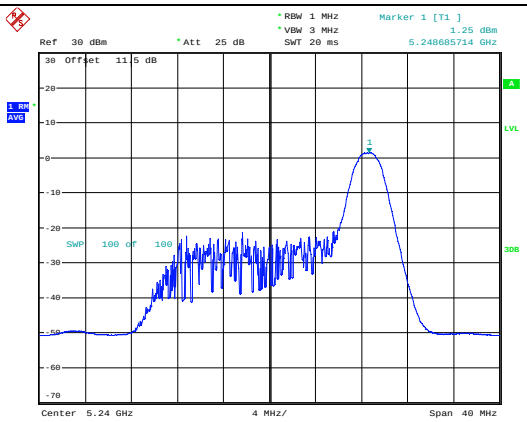
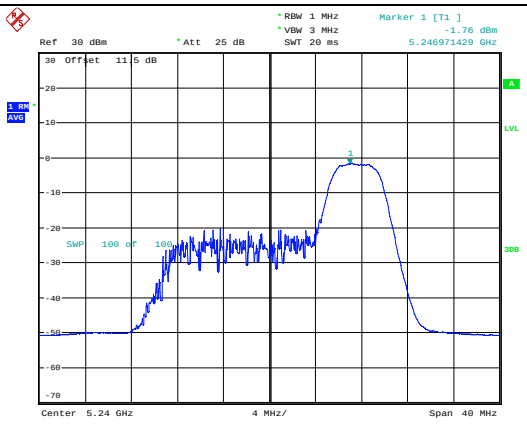
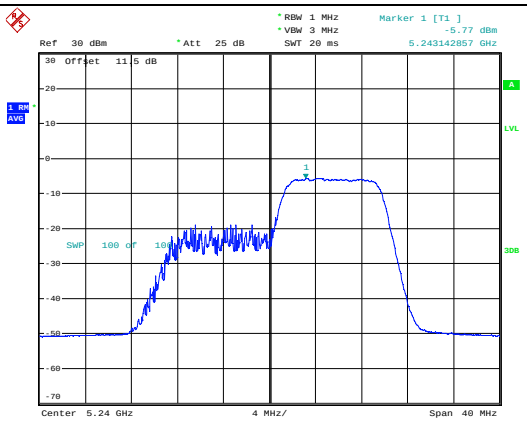
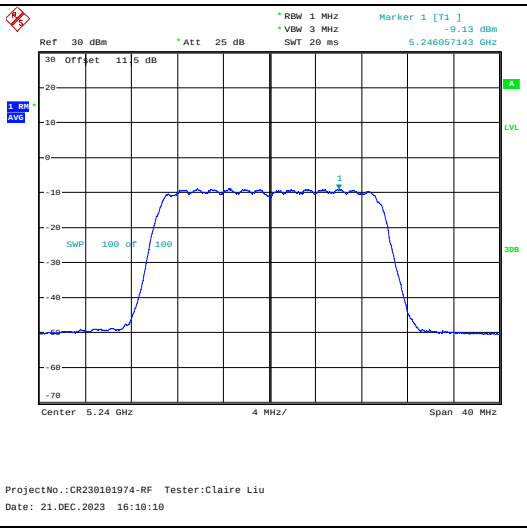
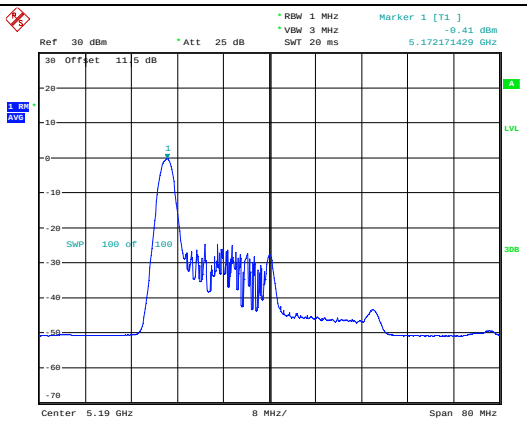
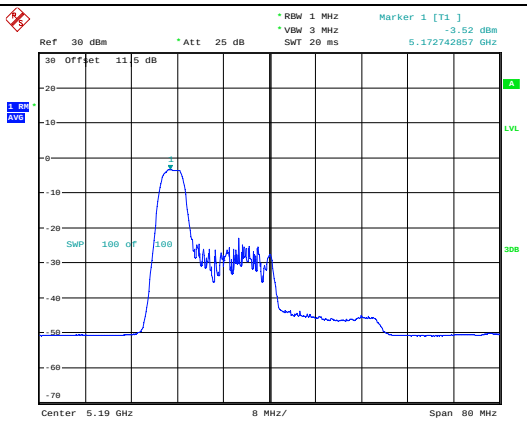
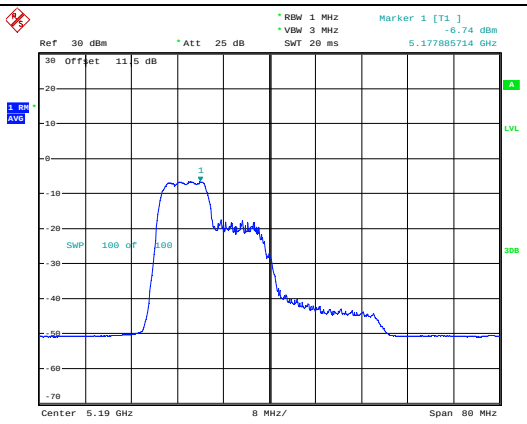
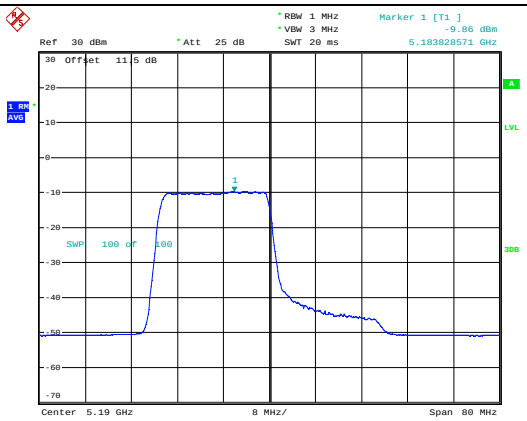
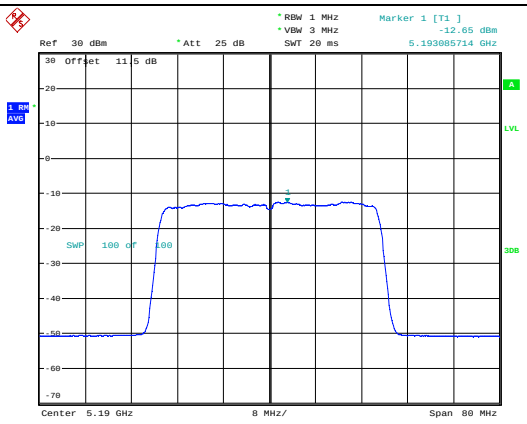
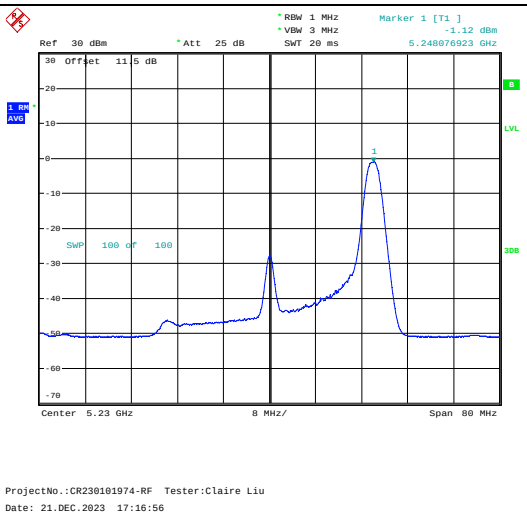
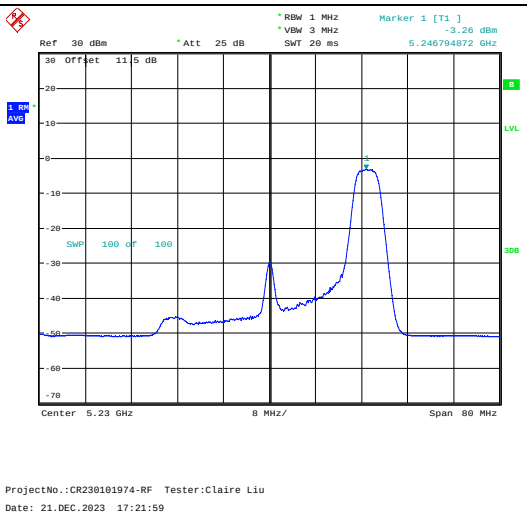
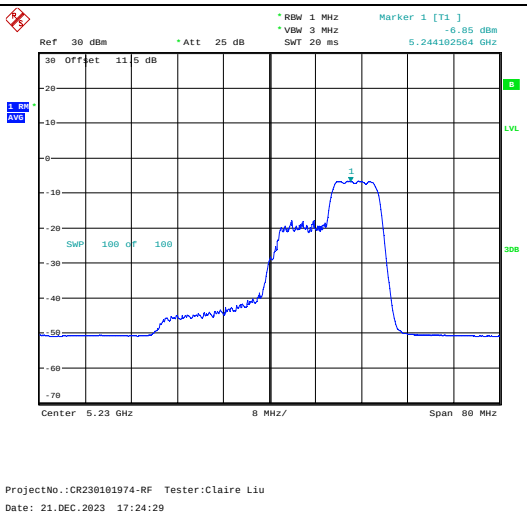
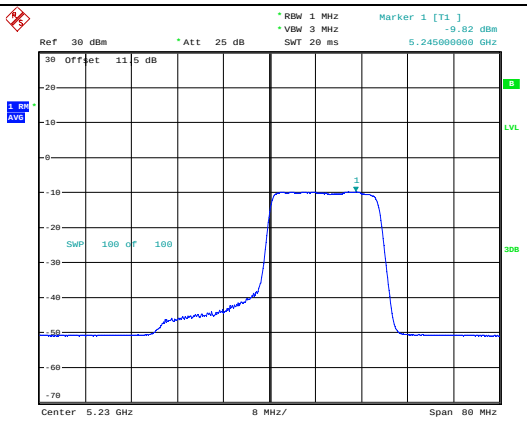
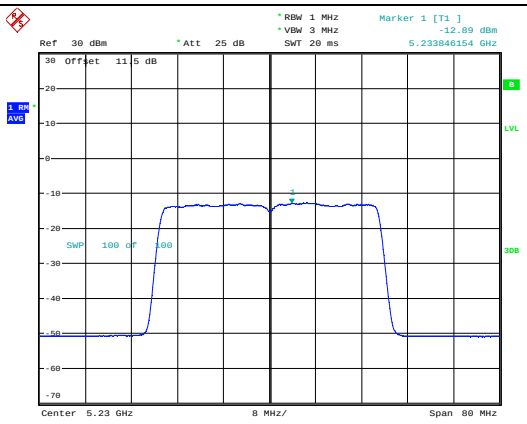
802.11ax hew20 RU 26/8 High Channel	
802.11ax hew20 RU 52/40 High Channel	
802.11ax hew20 RU 106/54 High Channel	

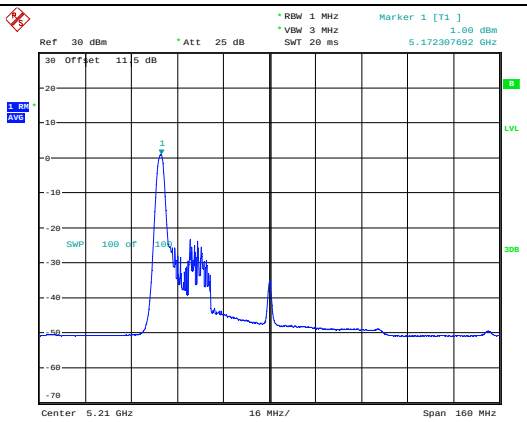
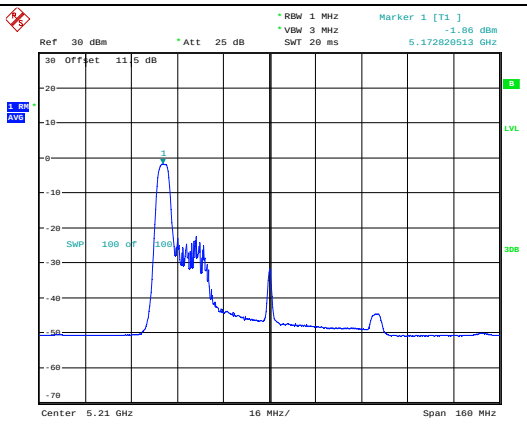
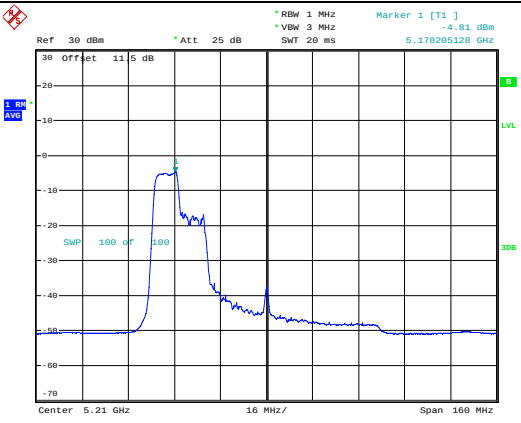
802.11ax hew20 RU 242/61 High Channel	

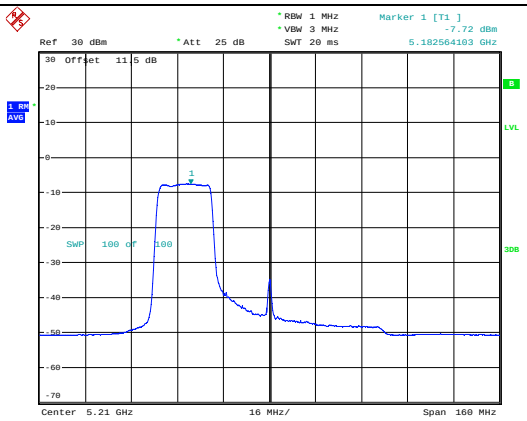
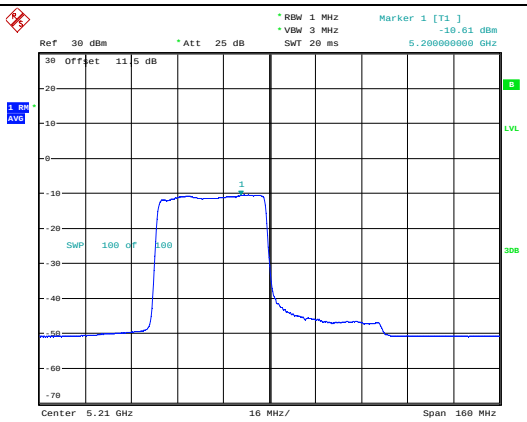
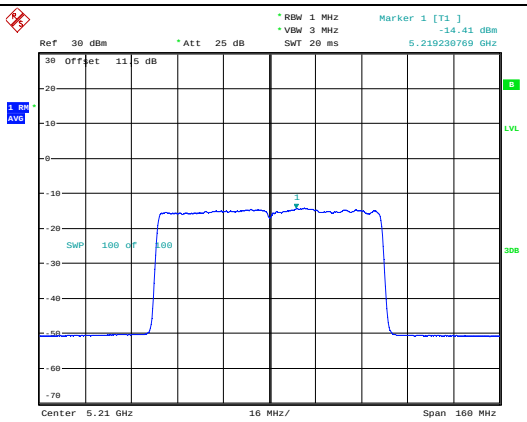
Maximum power spectral density	
802.11ax hew40 RU 26/0 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 16:44:47
802.11ax hew40 RU 52/37 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 16:53:59
802.11ax hew40 RU 106/53 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 16:55:05

802.11ax hew40 RU 242/61 Lowest Channel	
802.11ax hew40 RU 484/65 Lowest Channel	

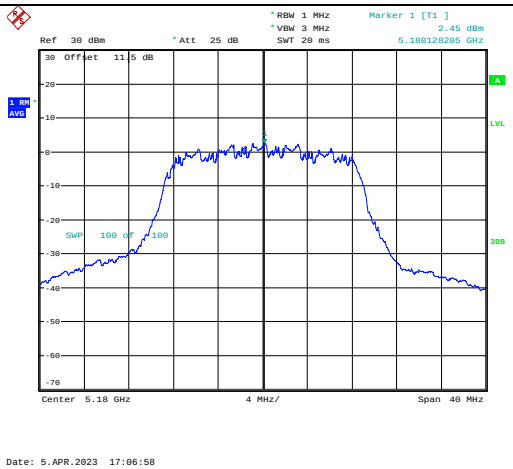
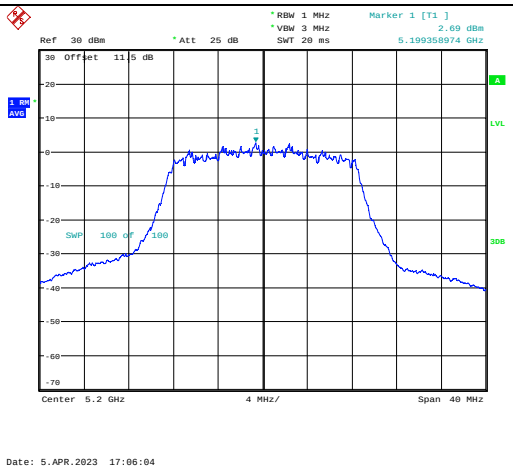
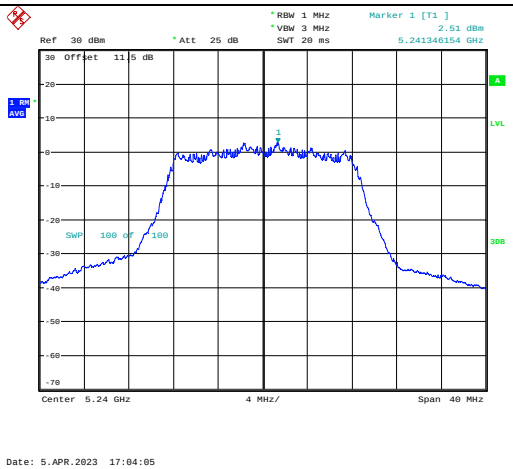
Maximum power spectral density	
802.11ax hew40 RU 26/17 High Channel	
802.11ax hew40 RU 52/44 High Channel	
802.11ax hew40 RU 106/56 High Channel	

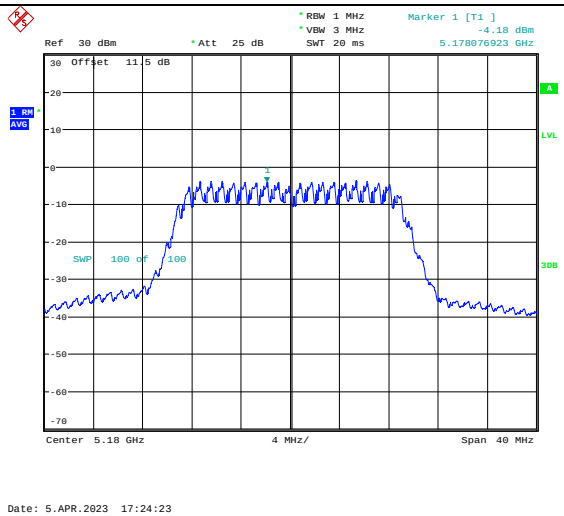
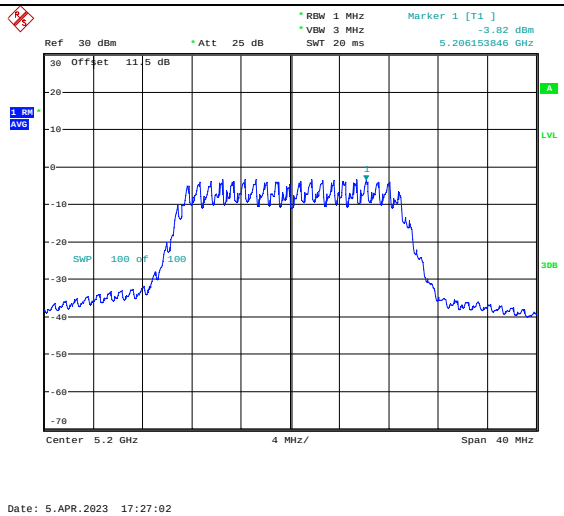
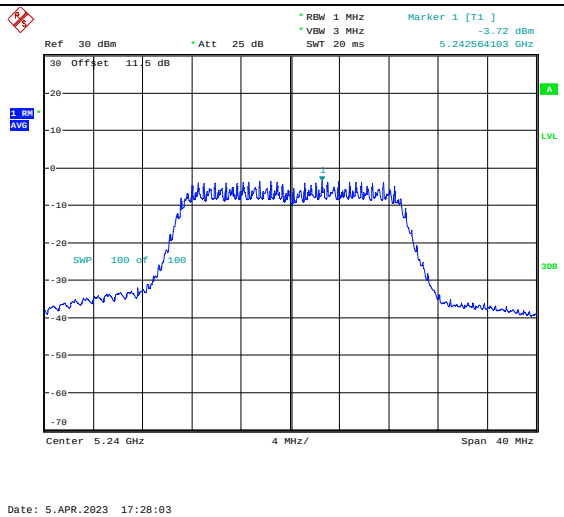
802.11ax hew40 RU 242/62 High Channel	
802.11ax hew40 RU 484/65 High Channel	

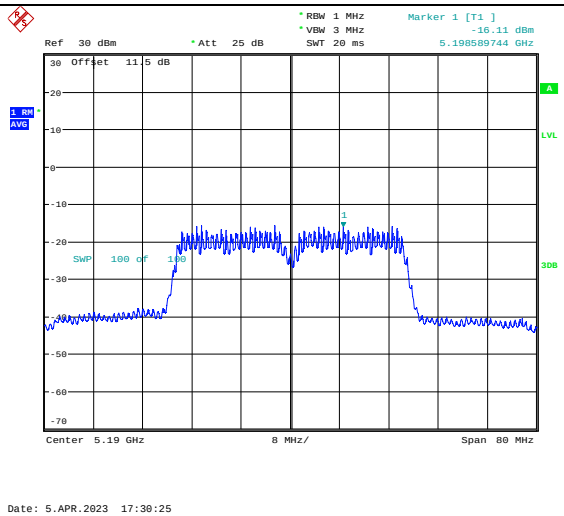
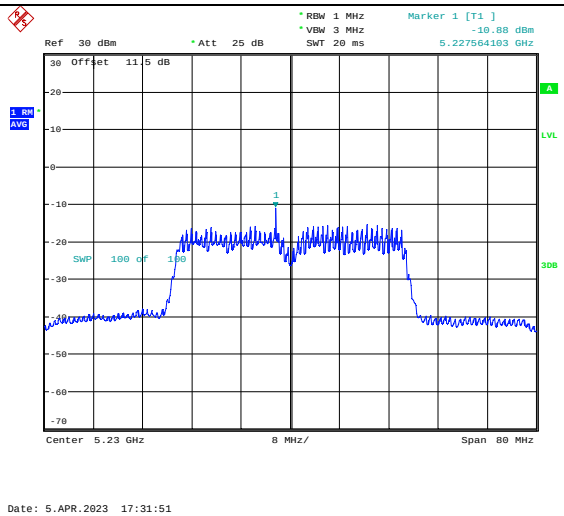
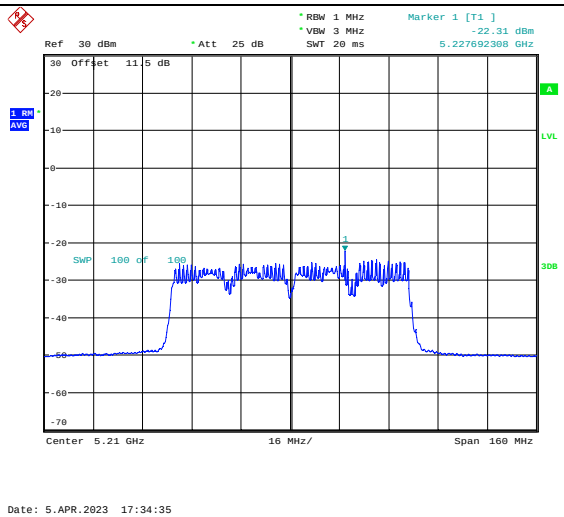
Maximum power spectral density	
802.11ax hew80 RU 26/0 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 17:43:16
802.11ax hew80 RU 52/37 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 17:45:15
802.11ax hew80 RU 106/53 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 17:49:29

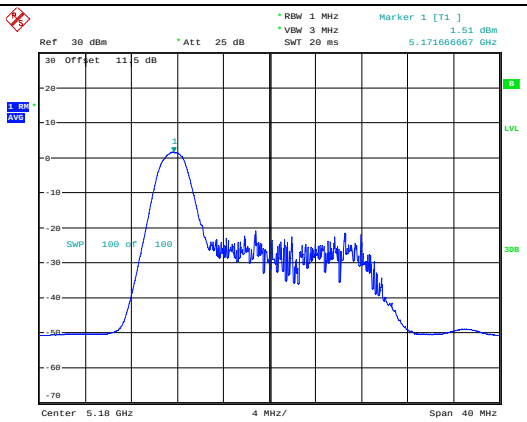
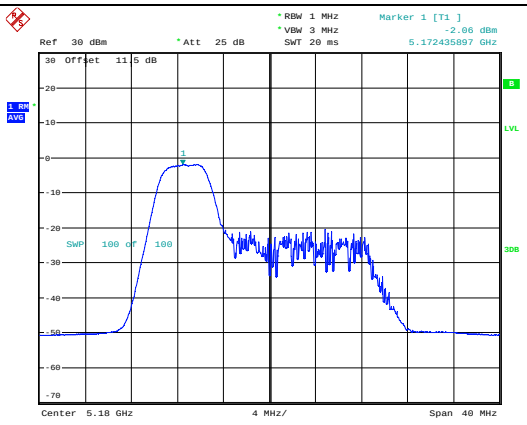
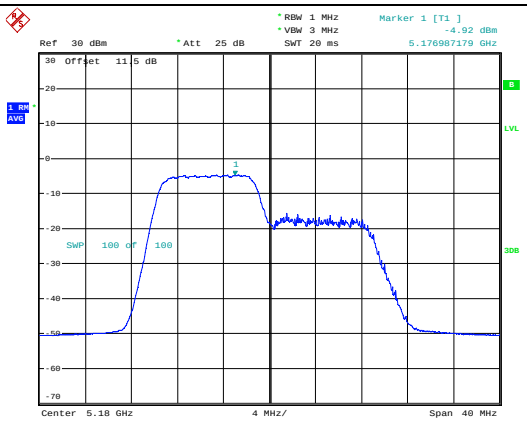
802.11ax hew80 RU 242/61 Middle Channel	
802.11ax hew80 RU 484/65 Middle Channel	
802.11ax hew80 RU 996/67 Middle Channel	

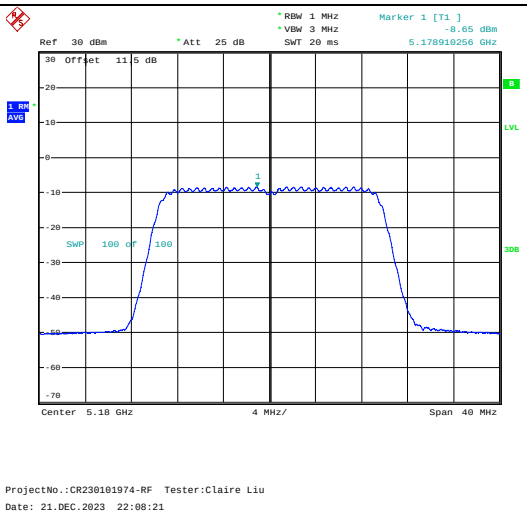
Chain 1:

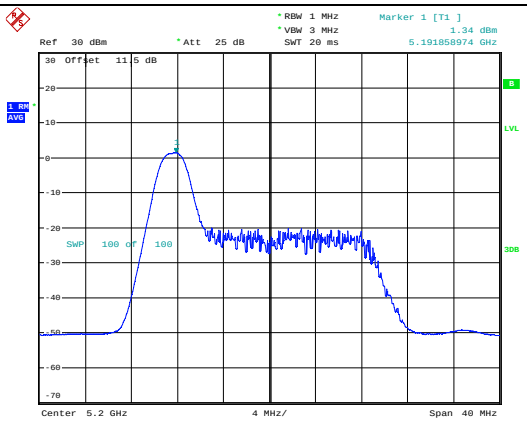
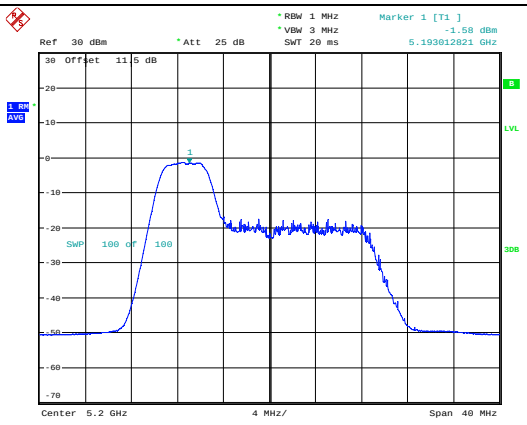
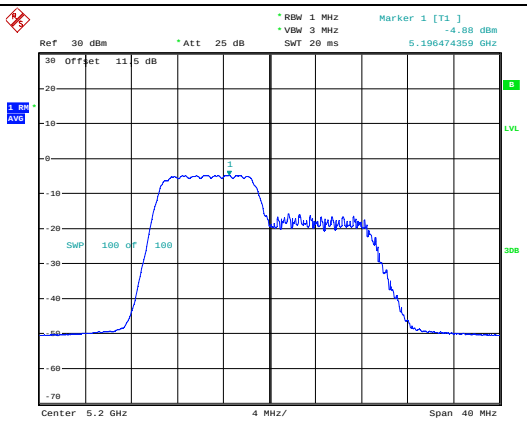
Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

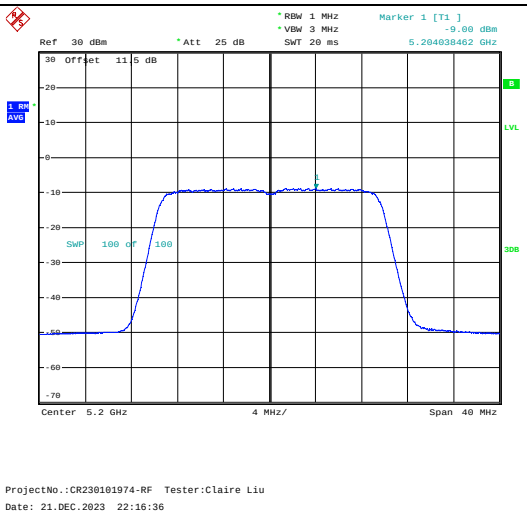
Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

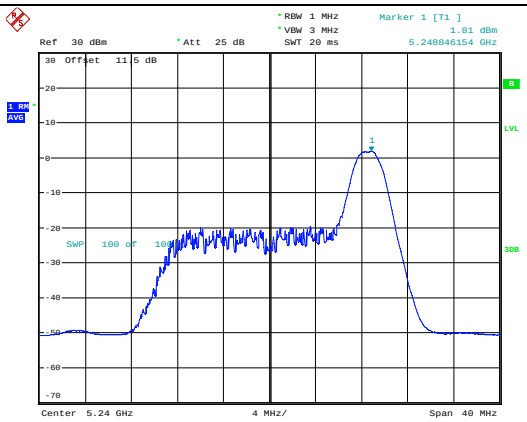
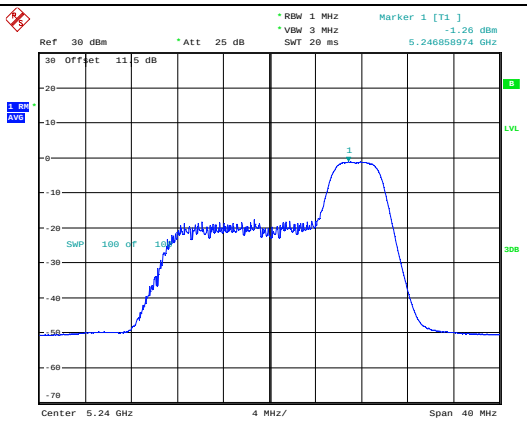
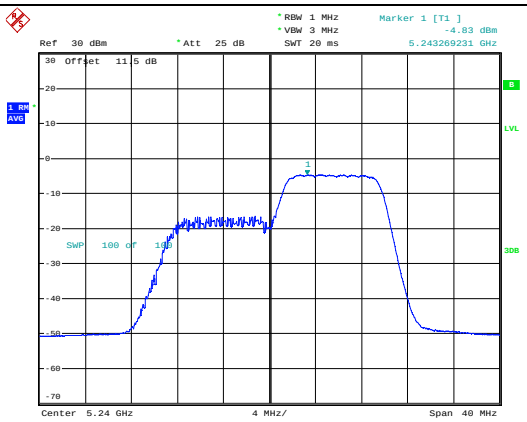
Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

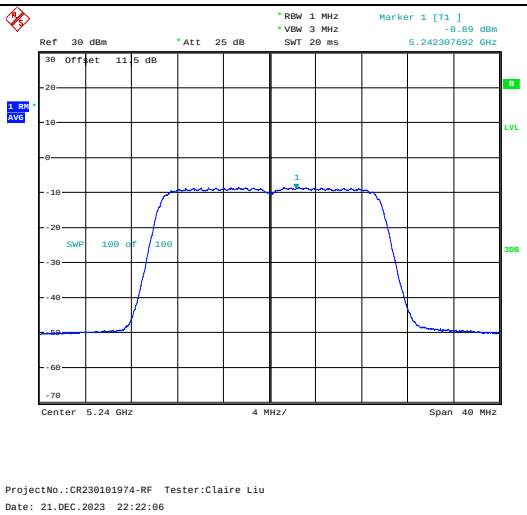
Maximum power spectral density	
802.11ax hew20 RU 26/0 Lowest Channel	
802.11ax hew20 RU 52/37 Lowest Channel	
802.11ax hew20 RU 106/53 Lowest Channel	

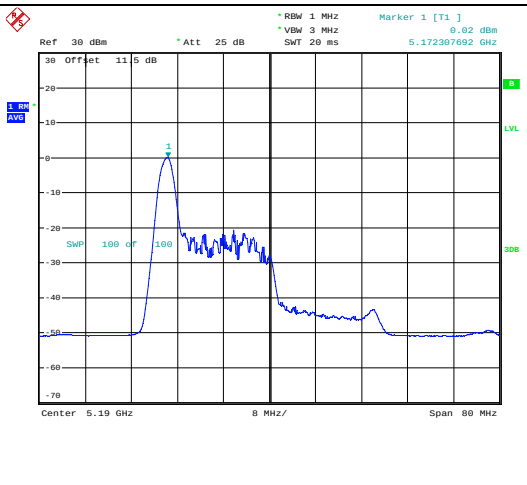
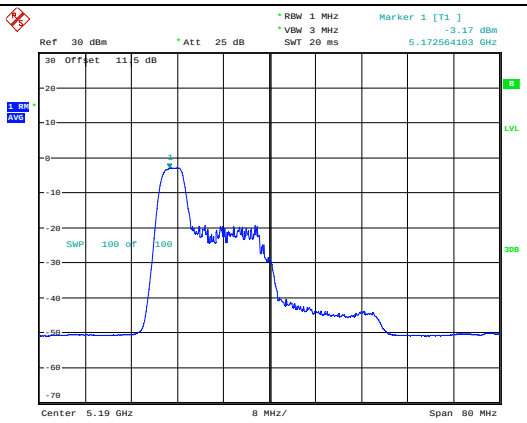
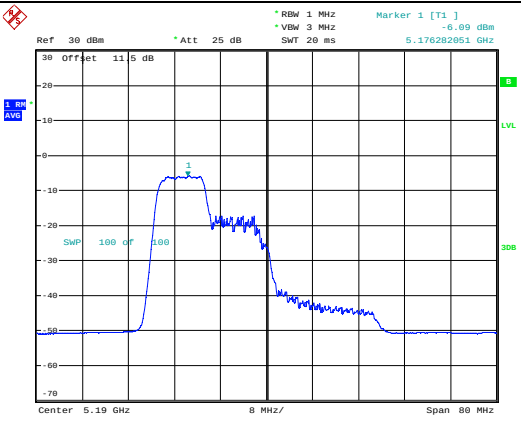
802.11ax hew20 RU 242/61 Lowest Channel-	

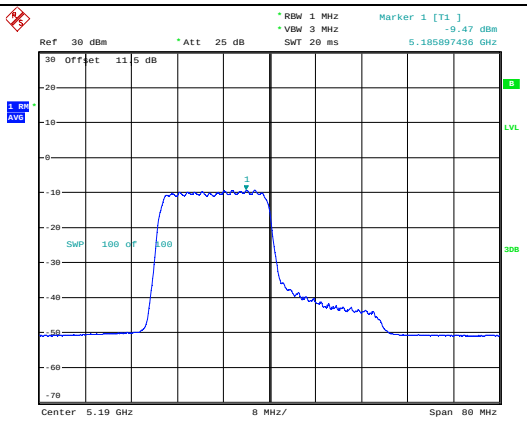
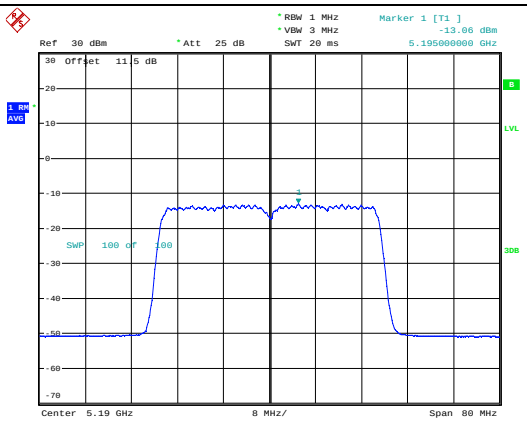
Maximum power spectral density	
802.11ax hew20 RU 26/0 Middle Channel	
802.11ax hew20 RU 52/37 Middle Channel	
802.11ax hew20 RU 106/53 Middle Channel	

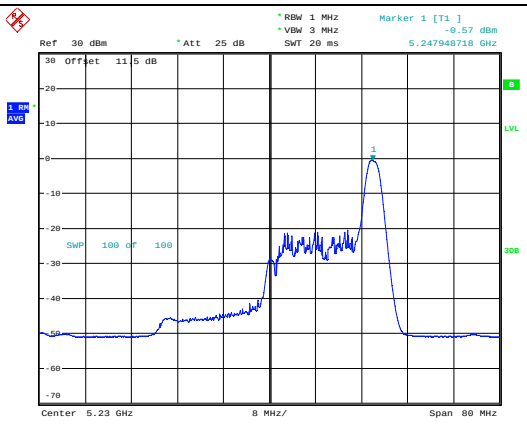
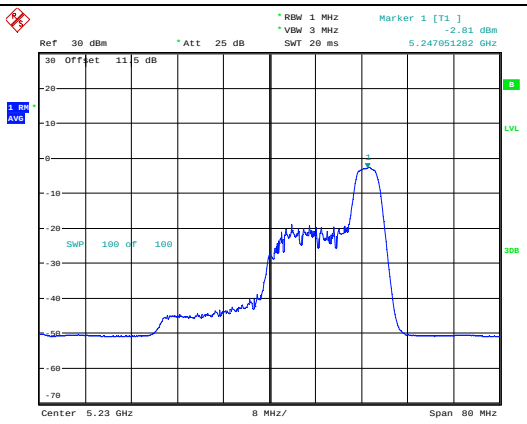
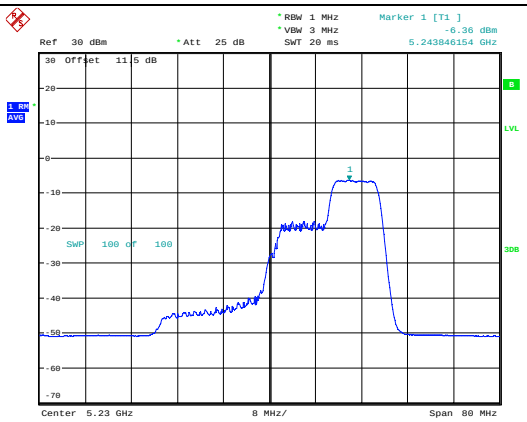
802.11ax hew20 RU 242/61 Middle Channel	

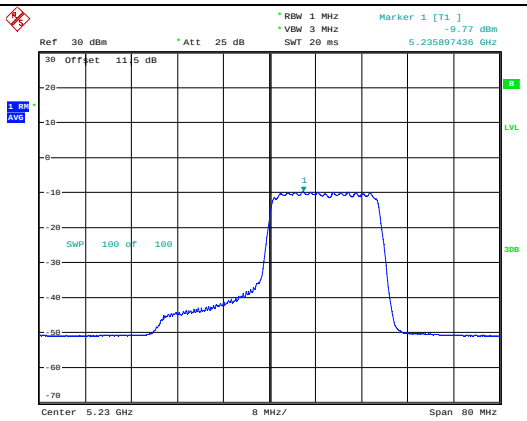
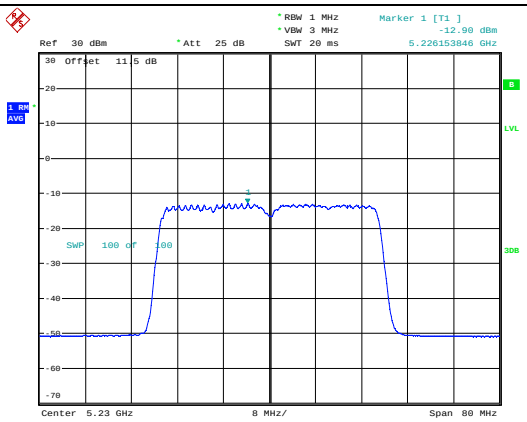
Maximum power spectral density	
802.11ax hew20 RU 26/8 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:18:17
802.11ax hew20 RU 52/40 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:19:22
802.11ax hew20 RU 106/54 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:21:03

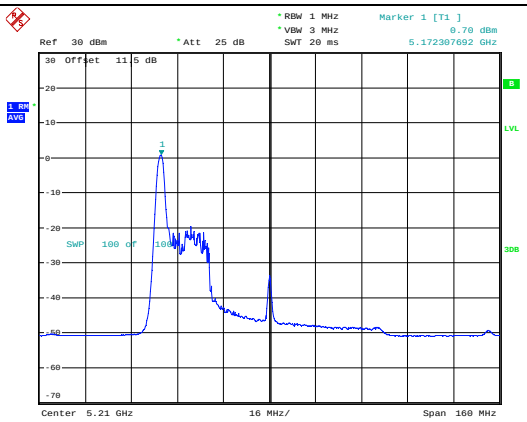
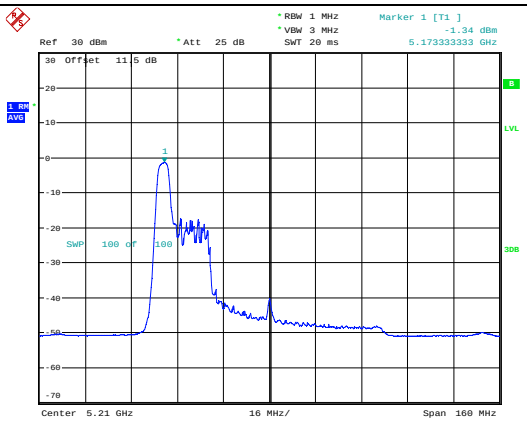
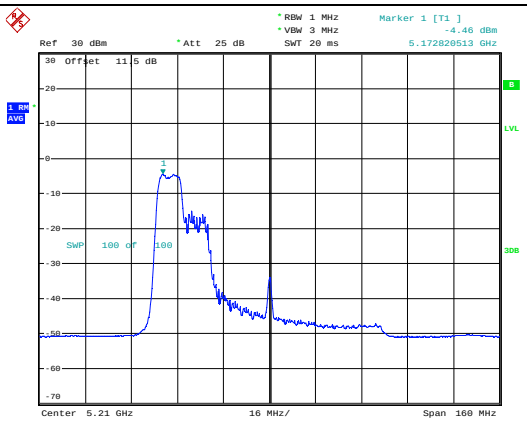
802.11ax hew20 RU 242/61 High Channel	

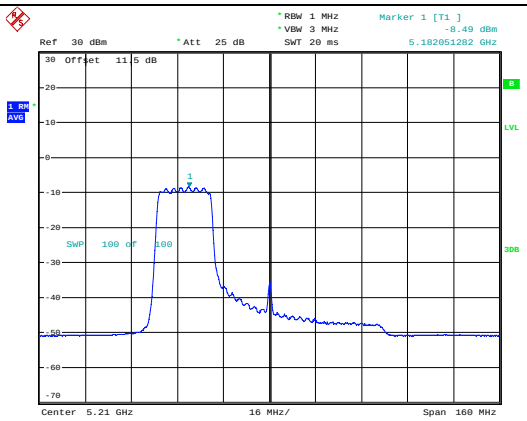
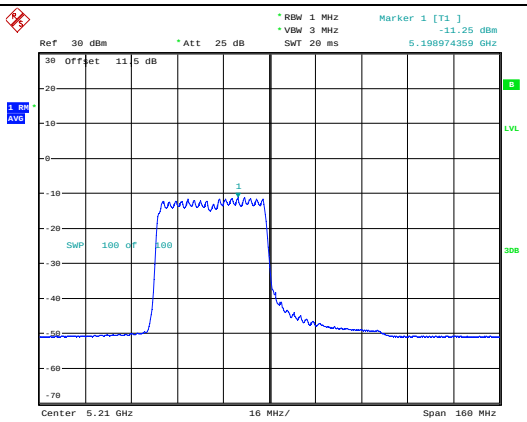
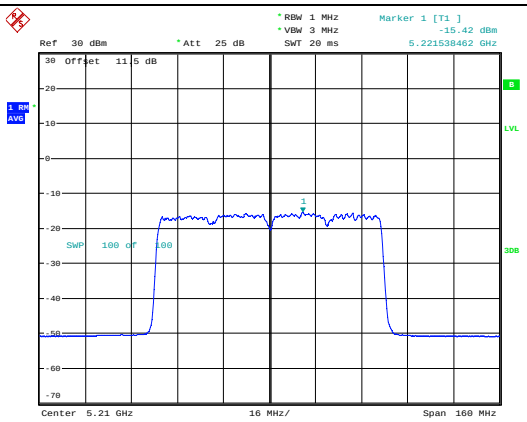
Maximum power spectral density	
802.11ax hew40 RU 26/0 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:28:07
802.11ax hew40 RU 52/37 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:29:53
802.11ax hew40 RU 106/53 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:30:53

802.11ax hew40 RU 242/61 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:31:53
802.11ax hew40 RU 484/65 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:33:11

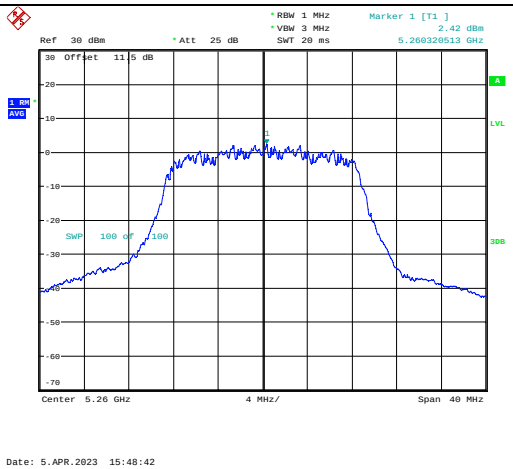
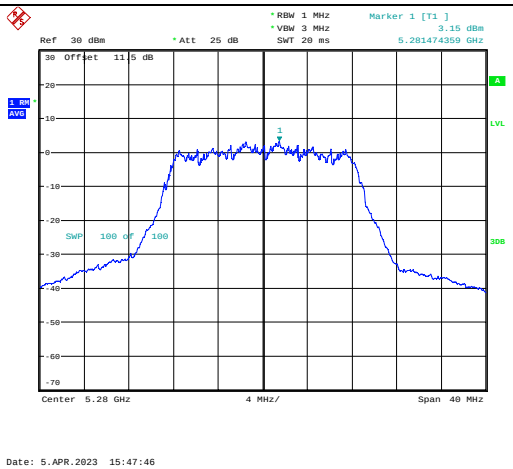
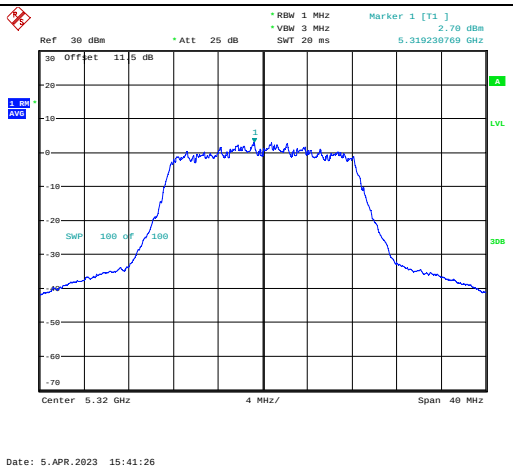
Maximum power spectral density	
802.11ax hew40 RU 26/17 High Channel	
802.11ax hew40 RU 52/44 High Channel	
802.11ax hew40 RU 106/56 High Channel	

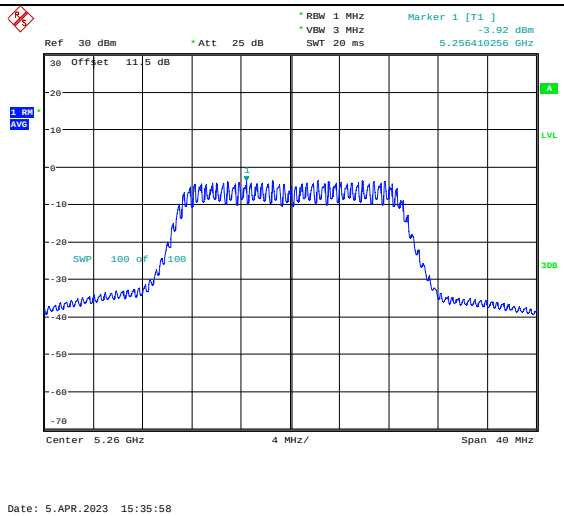
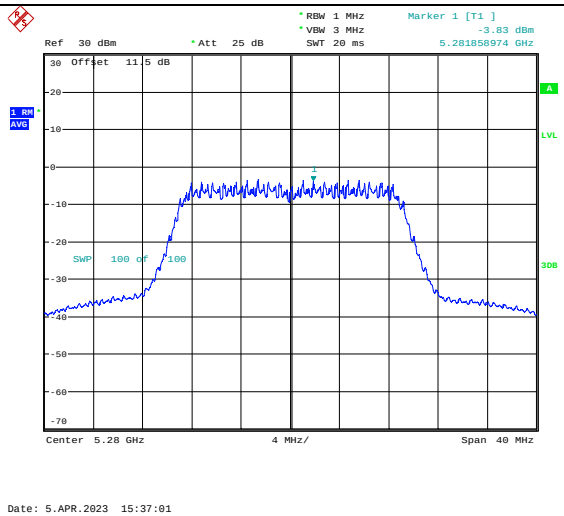
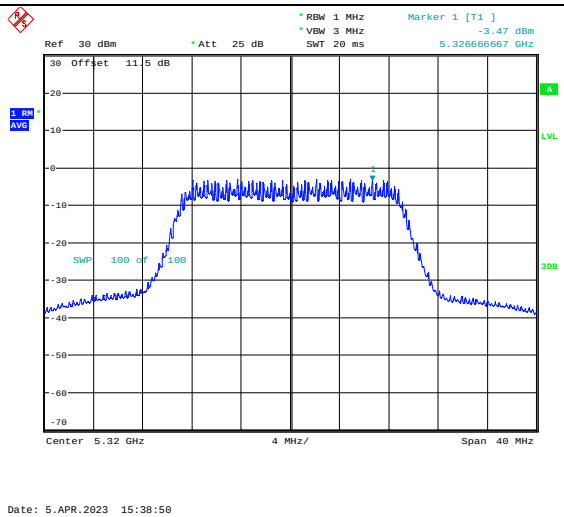
802.11ax hew40 RU 242/62 High Channel	
802.11ax hew40 RU 484/65 High Channel	

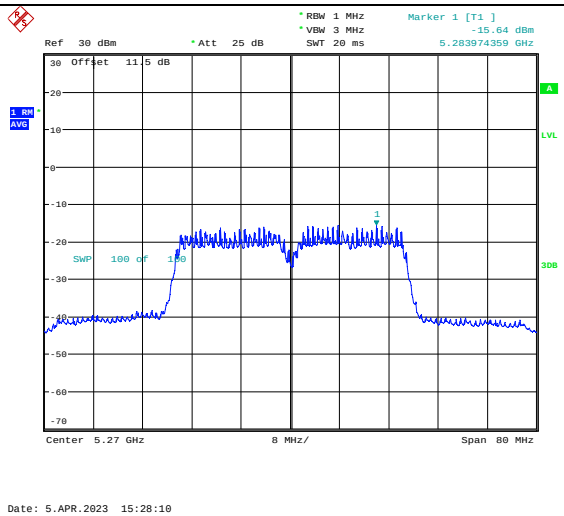
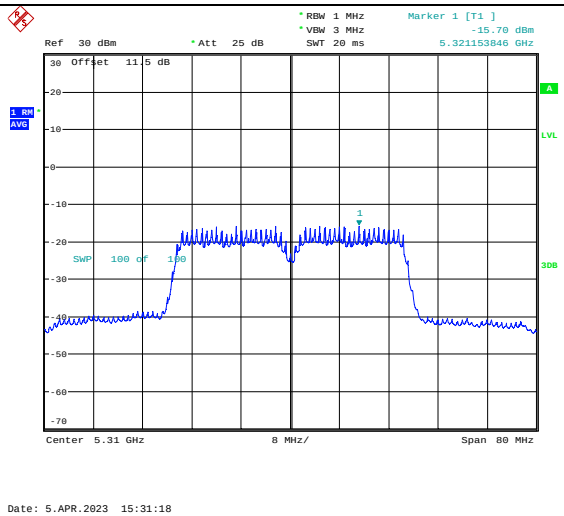
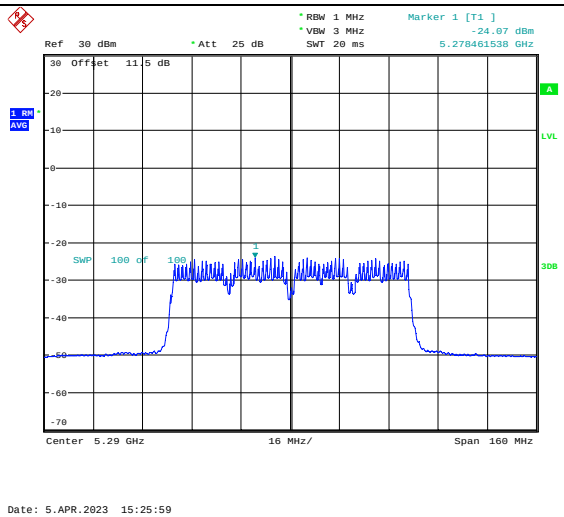
Maximum power spectral density	
802.11ax hew80 RU 26/0 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:42:51
802.11ax hew80 RU 52/37 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:44:06
802.11ax hew80 RU 106/53 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:45:12

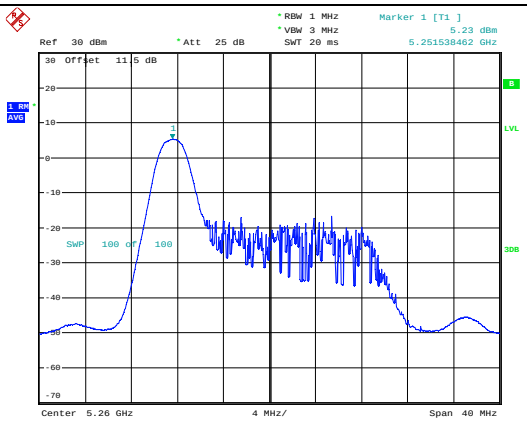
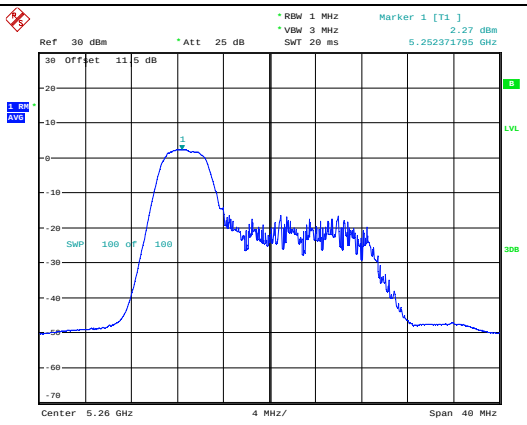
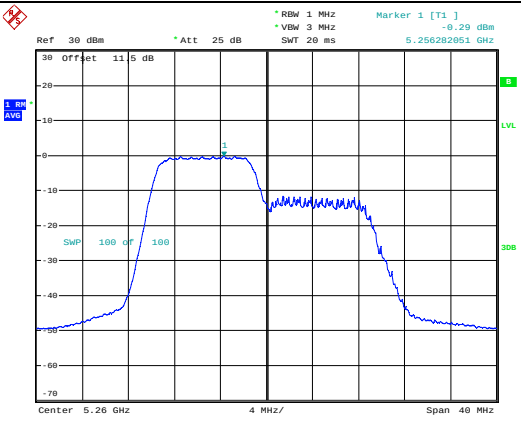
802.11ax hew80 RU 242/61 Middle Channel	
802.11ax hew80 RU 484/65 Middle Channel	
802.11ax hew80 RU 996/67 Middle Channel	

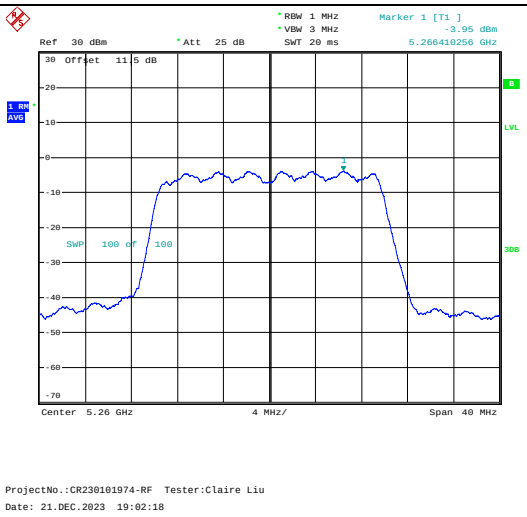
5250-5350 MHz:
Chain 0:

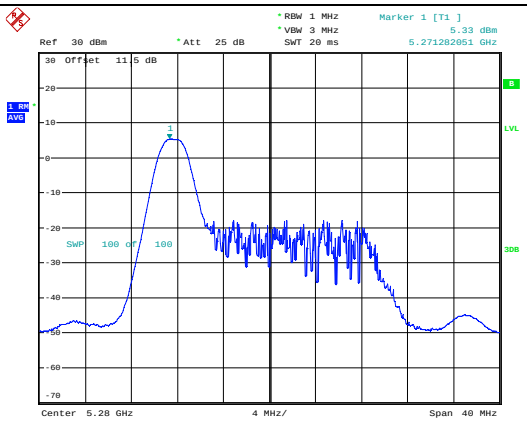
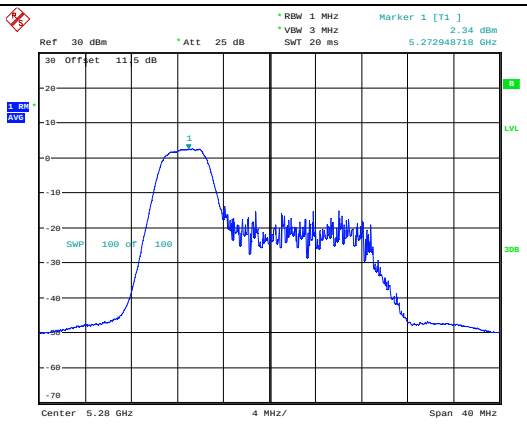
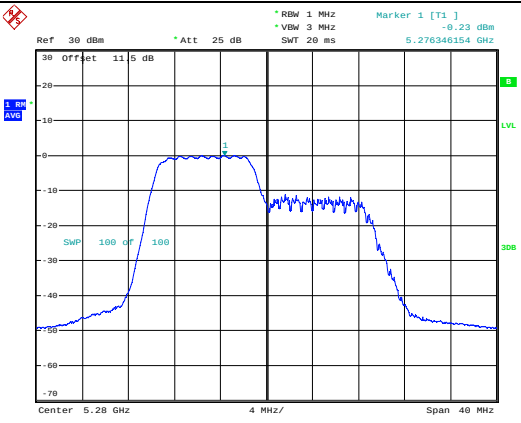
Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

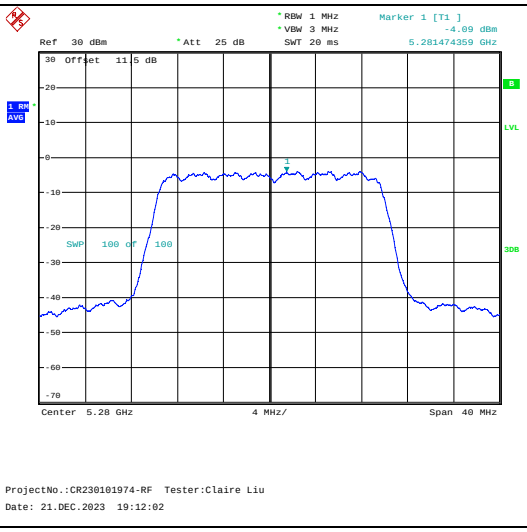
Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

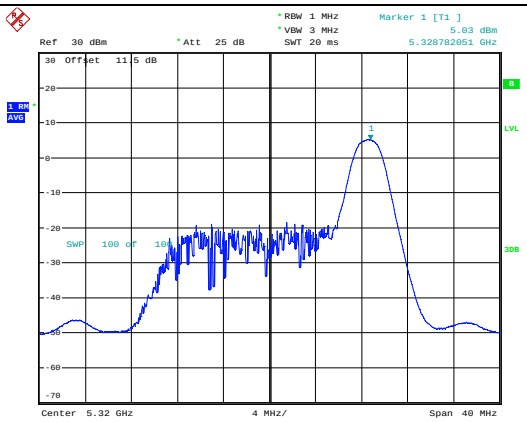
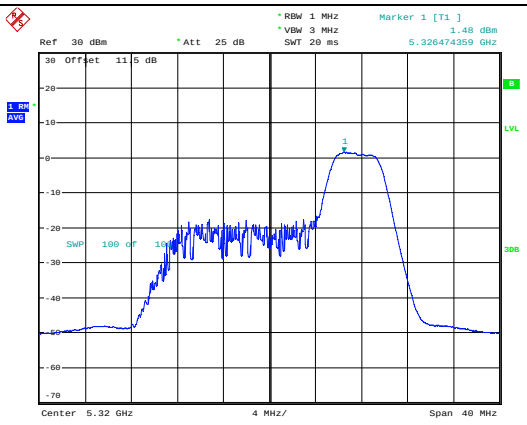
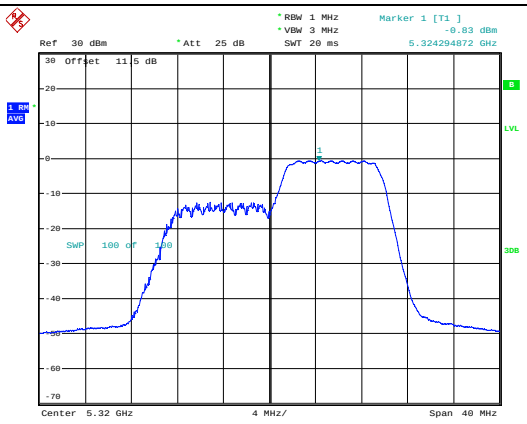
Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

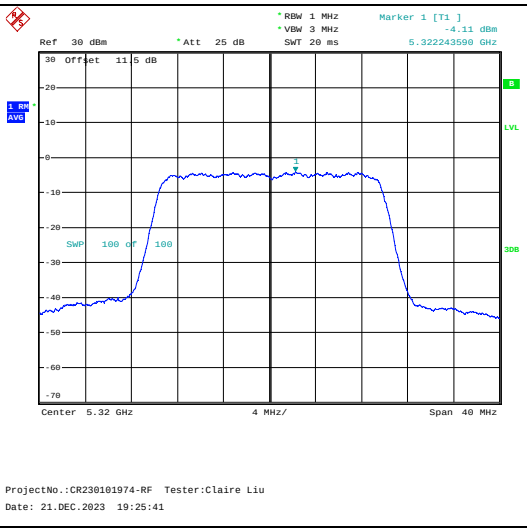
Maximum power spectral density	
802.11ax hew20 RU 26/0 Lowest Channel	
802.11ax hew20 RU 52/37 Lowest Channel	
802.11ax hew20 RU 106/53 Lowest Channel	

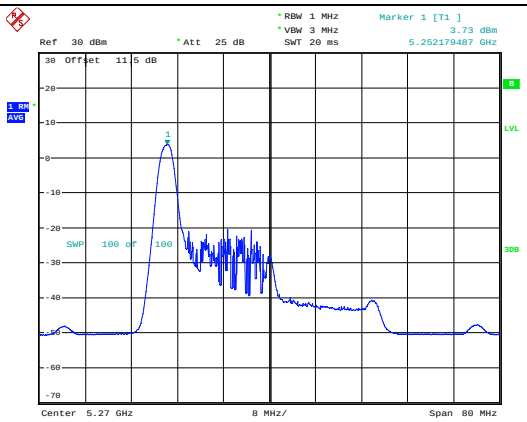
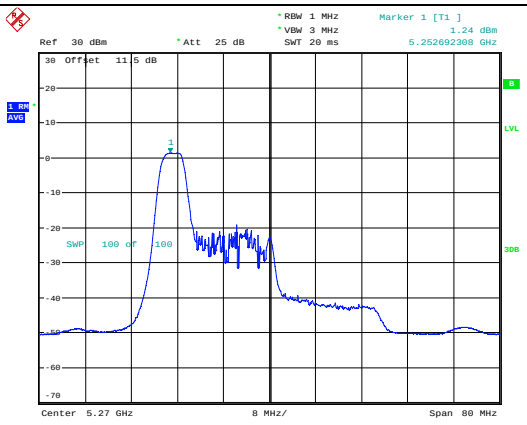
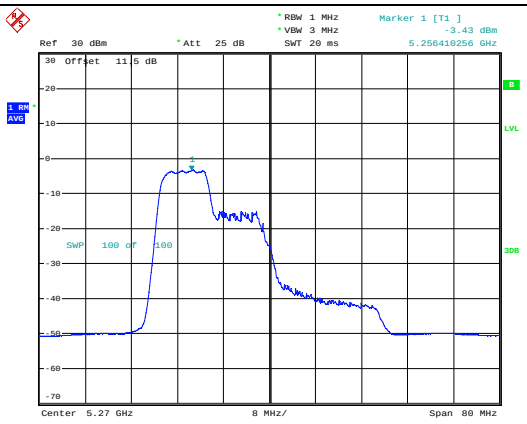
802.11ax hew20 RU 242/61 Lowest Channel	

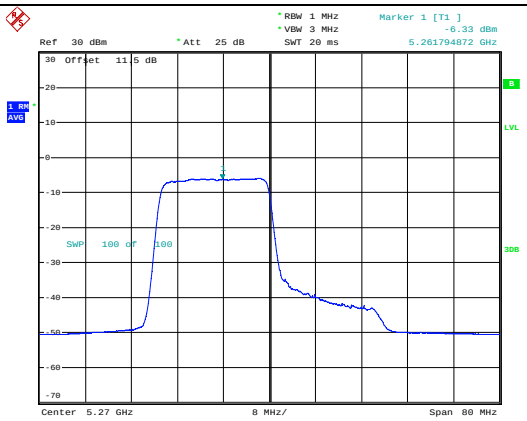
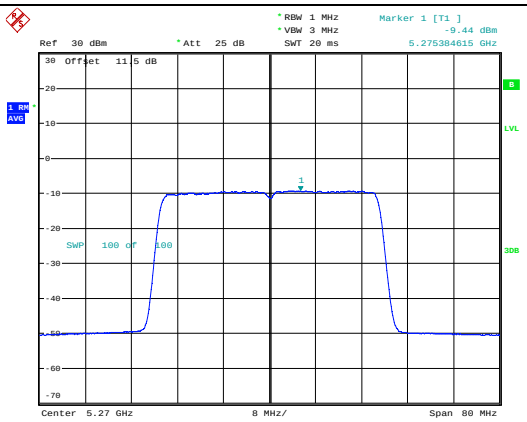
Maximum power spectral density	
802.11ax hew20 RU 26/0 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 19:05:36
802.11ax hew20 RU 52/37 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 19:07:28
802.11ax hew20 RU 106/53 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 19:09:35

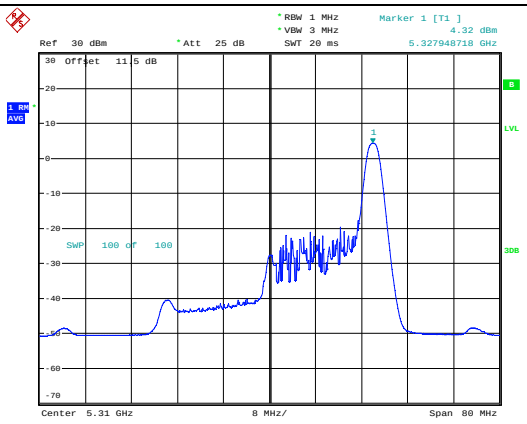
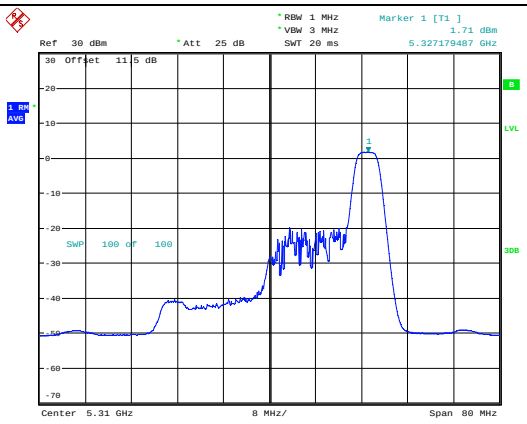
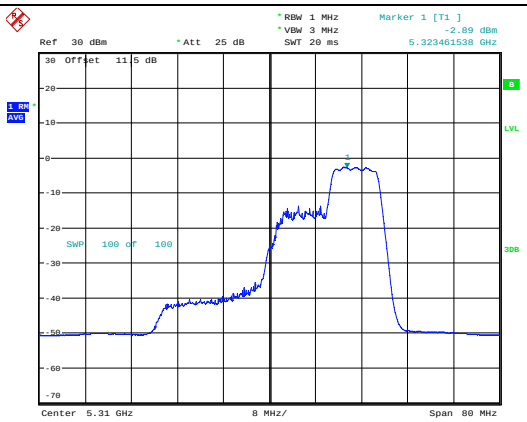
802.11ax hew20 RU 242/61 Middle Channel	

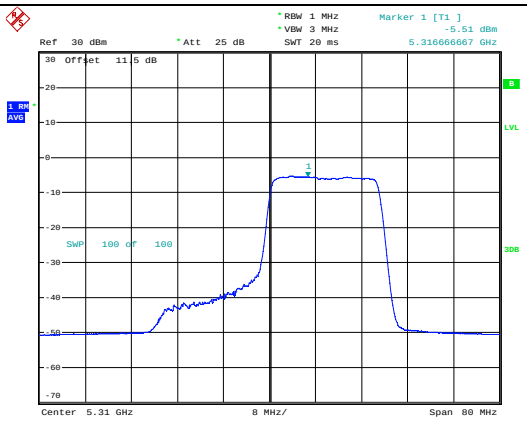
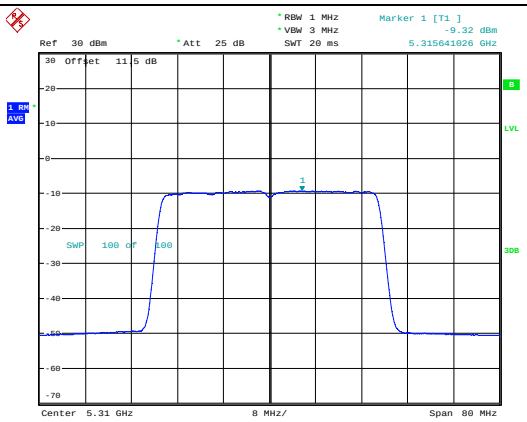
Maximum power spectral density	
802.11ax hew20 RU 26/8 High Channel	
802.11ax hew20 RU 52/40 High Channel	
802.11ax hew20 RU 106/54 High Channel	

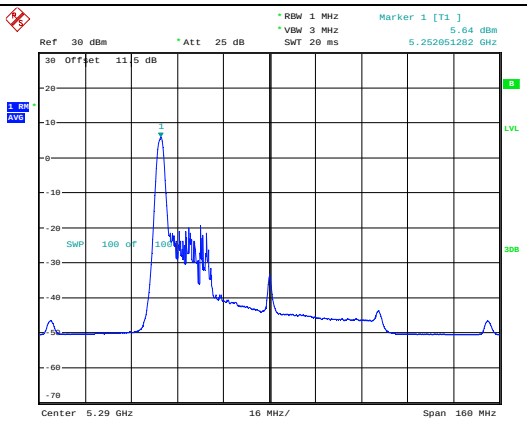
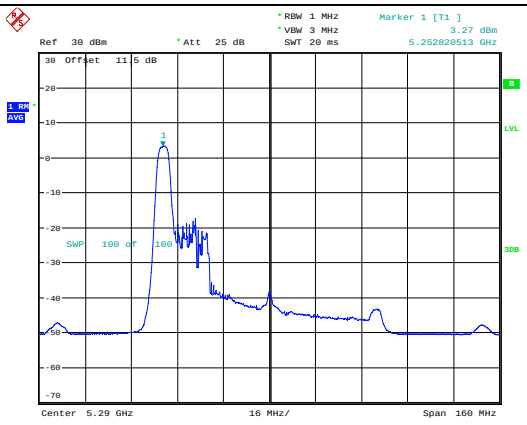
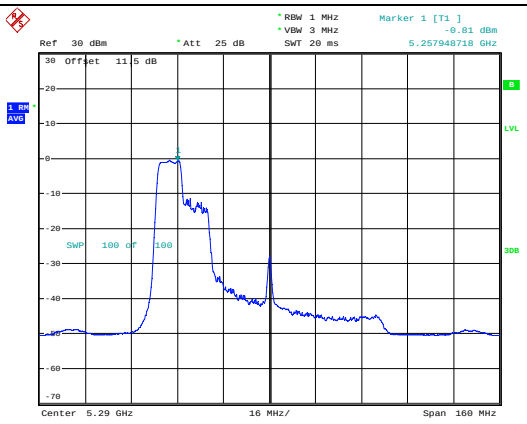
802.11ax hew20 RU 242/61 High Channel	

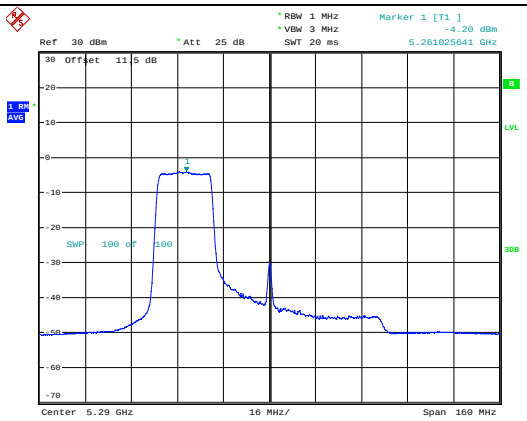
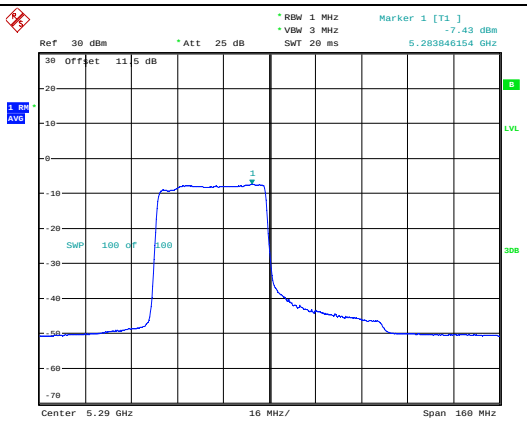
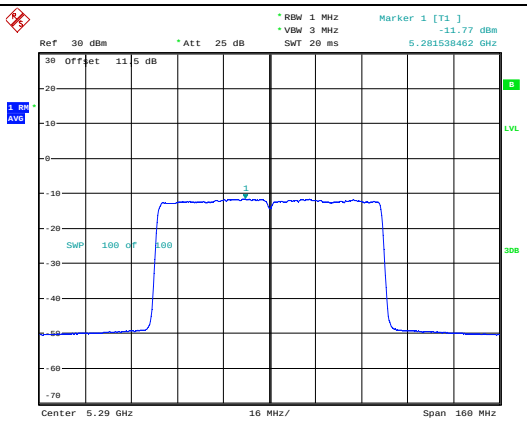
Maximum power spectral density	
802.11ax hew40 RU 26/0 Lowest Channel	
802.11ax hew40 RU 52/37 Lowest Channel	
802.11ax hew40 RU 106/53 Lowest Channel	

802.11ax hew40 RU 242/61 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 21:33:55
802.11ax hew40 RU 484/65 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 21:34:55

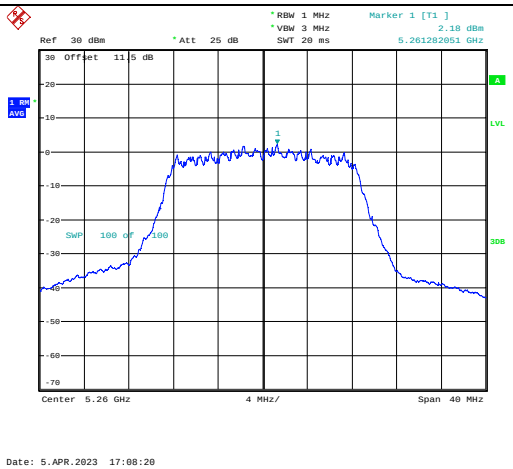
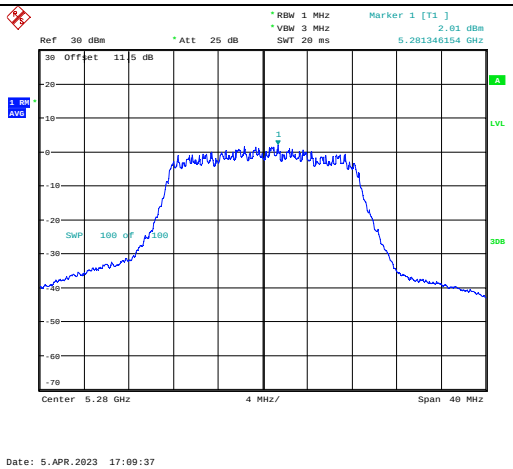
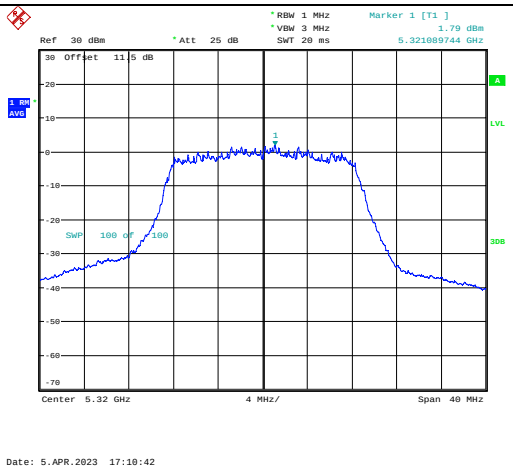
Maximum power spectral density	
802.11ax hew40 RU 26/17 High Channel	
802.11ax hew40 RU 52/44 High Channel	
802.11ax hew40 RU 106/56 High Channel	

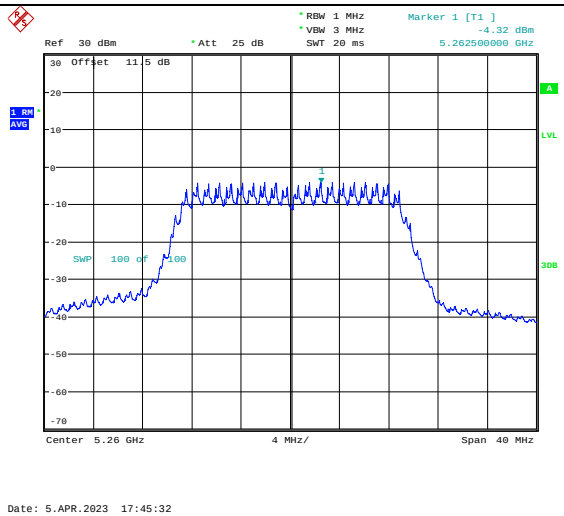
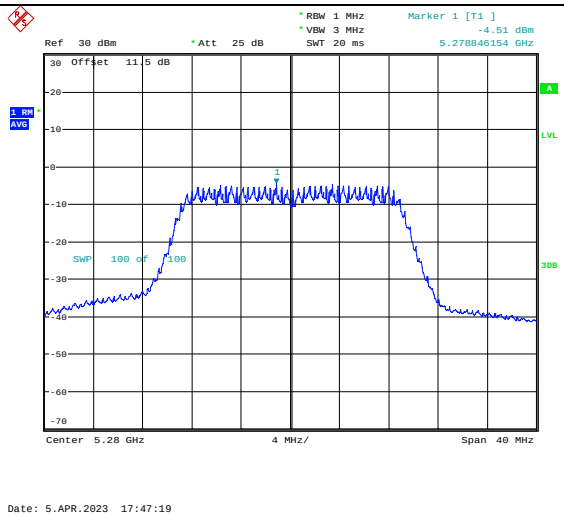
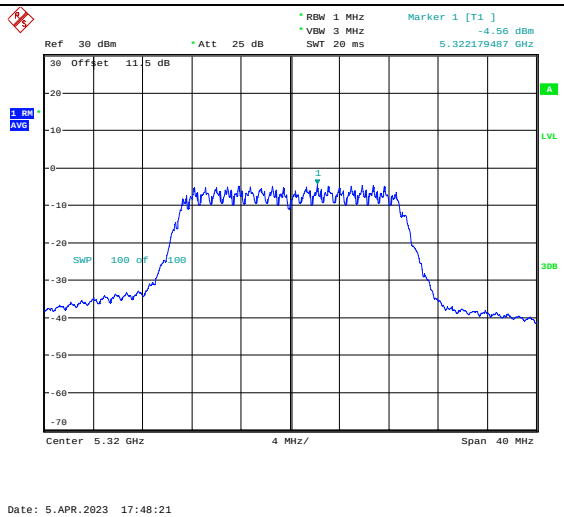
802.11ax hew40 RU 242/62 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 21:40:51
802.11ax hew40 RU 484/65 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 21:43:57

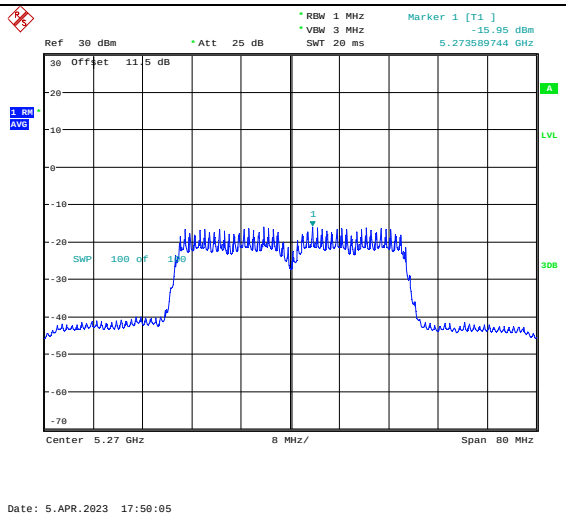
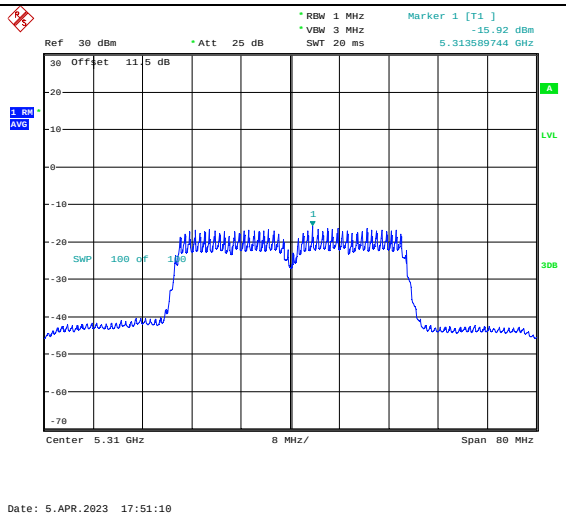
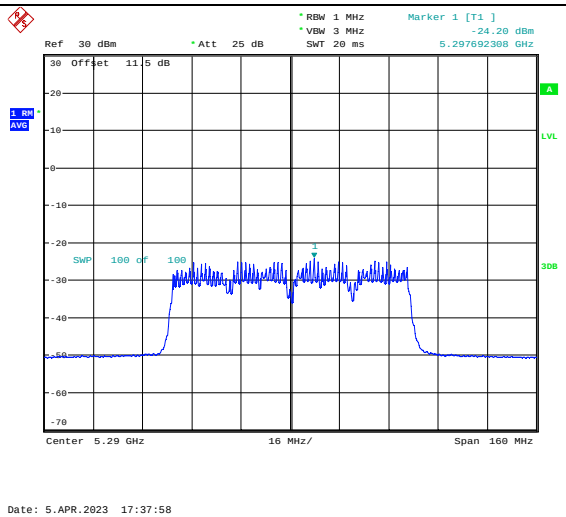
Maximum power spectral density	
802.11ax hew80 RU 26/0 Middle Channel	
802.11ax hew80 RU 52/37 Middle Channel	
802.11ax hew80 RU 106/53 Middle Channel	

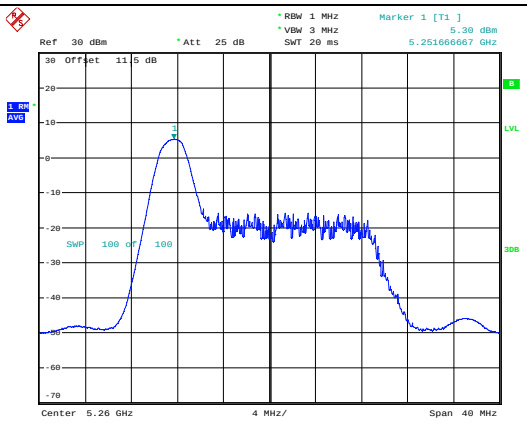
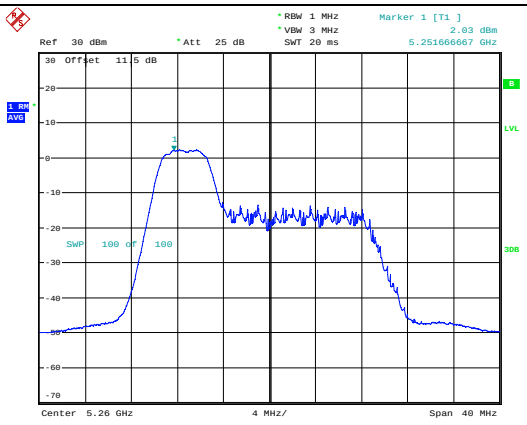
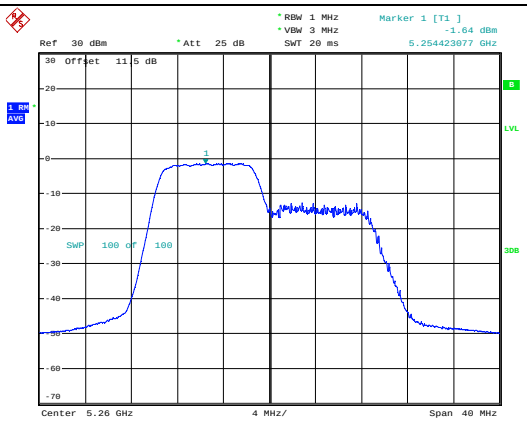
802.11ax hew80 RU 242/61 Middle Channel	
802.11ax hew80 RU 484/65 Middle Channel	
802.11ax hew80 RU 996/67 Middle Channel	

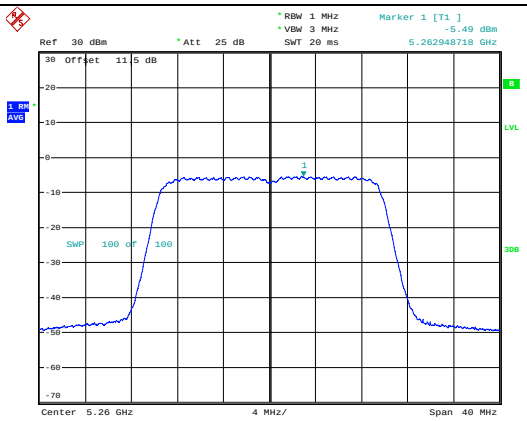
Chain 1:

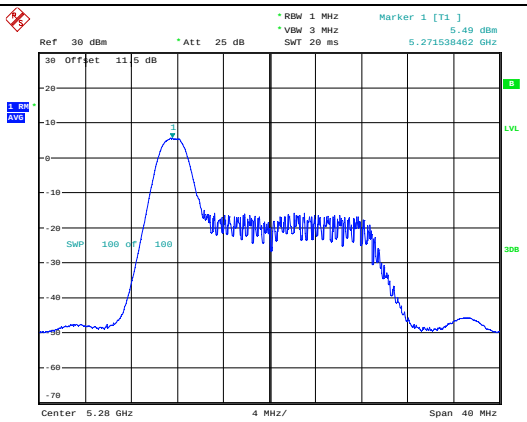
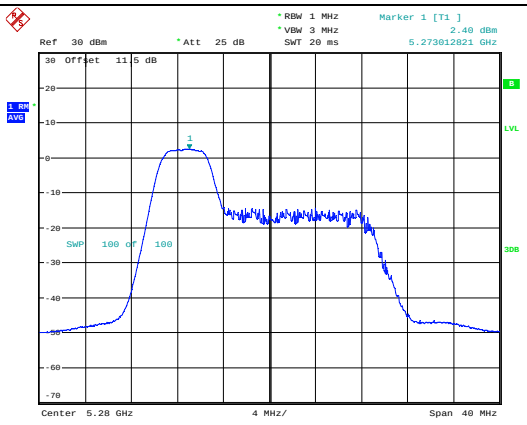
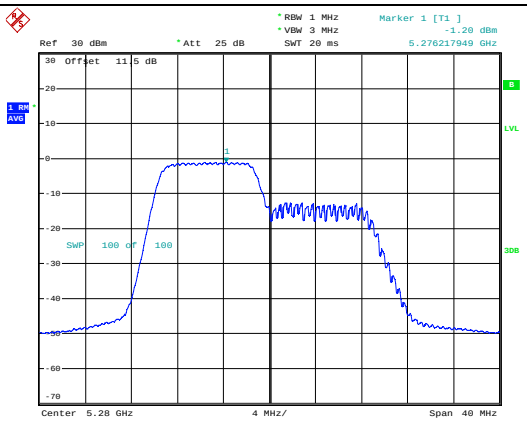
Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

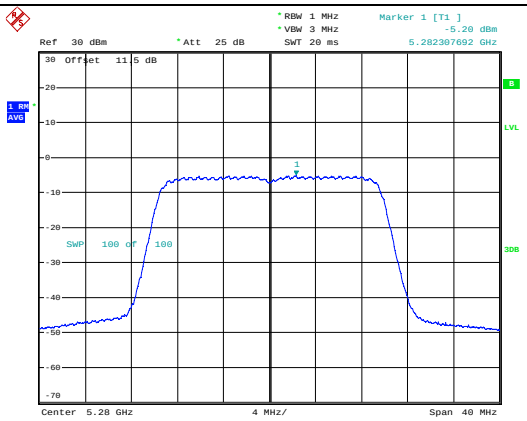
Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

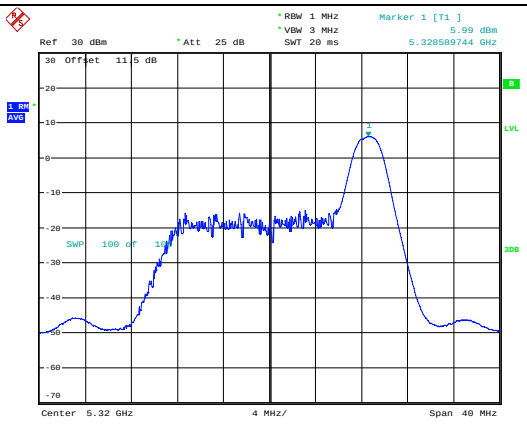
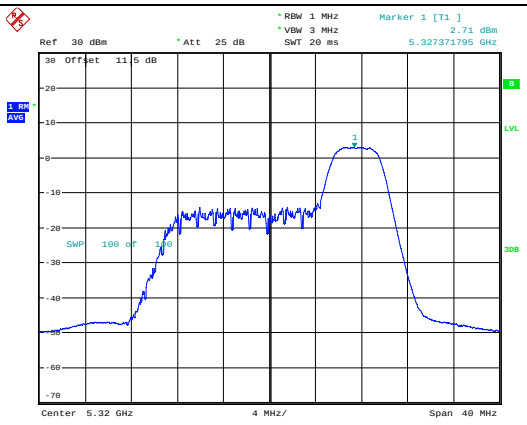
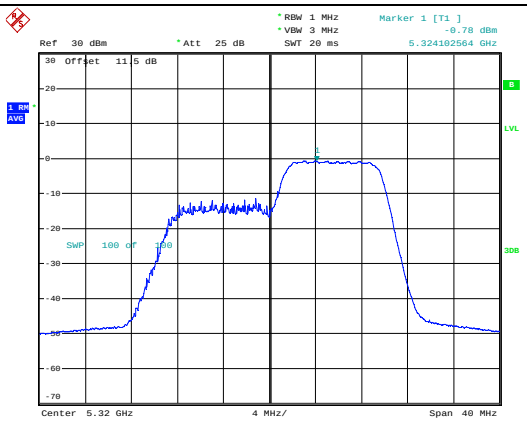
Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11ac vht80 Middle Channel	

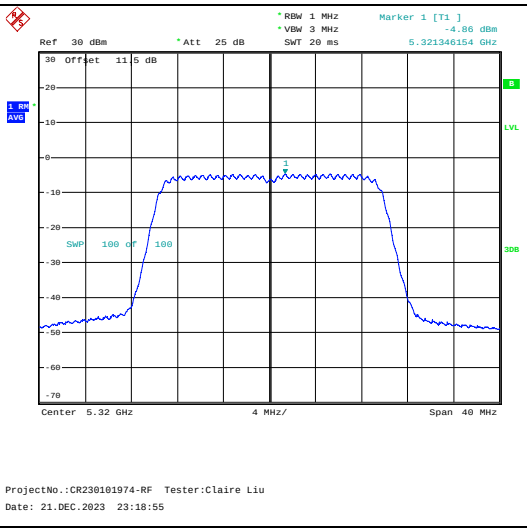
Maximum power spectral density	
802.11ax hew20 RU 26/0 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:55:59
802.11ax hew20 RU 52/37 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:57:43
802.11ax hew20 RU 106/53 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 22:59:20

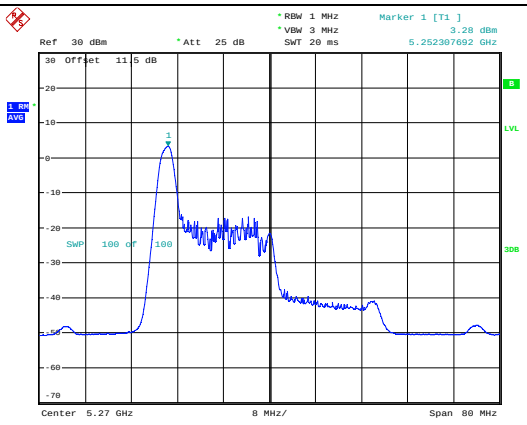
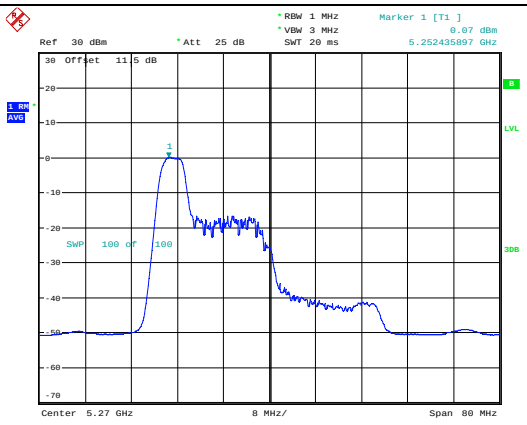
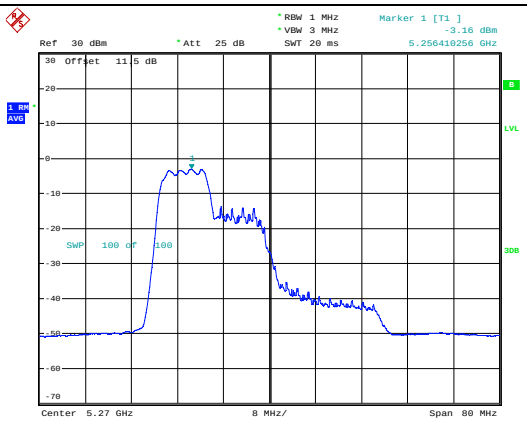
802.11ax hew20 RU 242/61 Lowest Channel	

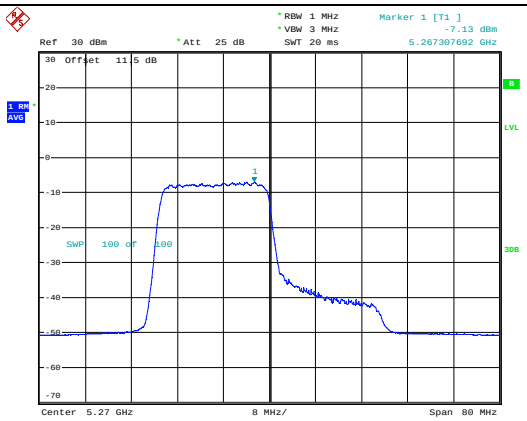
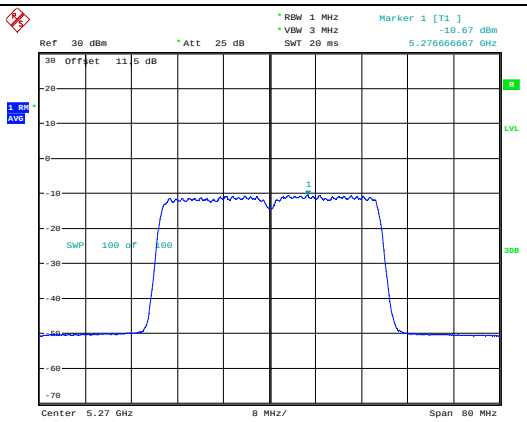
Maximum power spectral density	
802.11ax hew20 RU 26/0 Middle Channel	
802.11ax hew20 RU 52/37 Middle Channel	
802.11ax hew20 RU 106/53 Middle Channel	

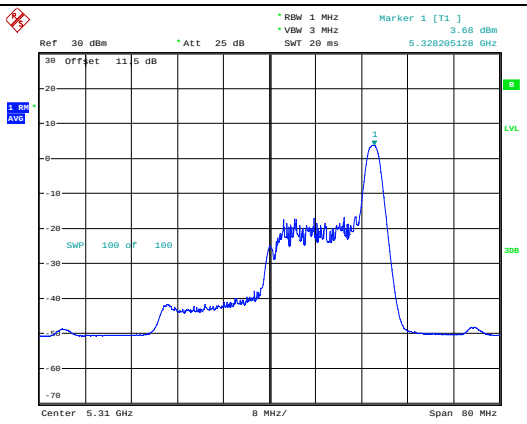
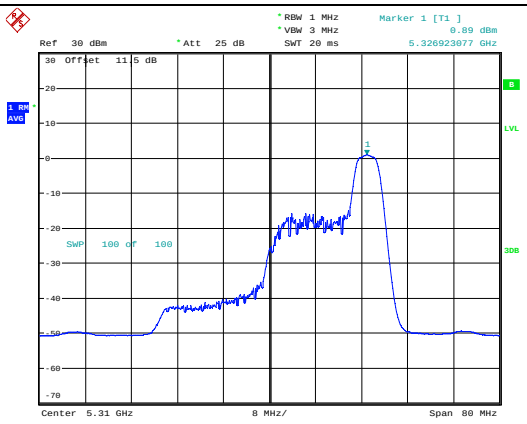
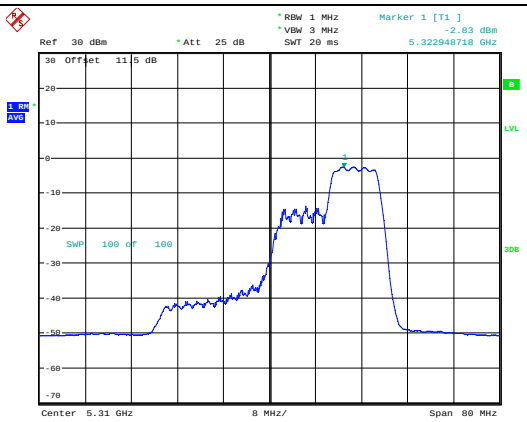
802.11ax hew20 RU 242/61 Middle Channel	

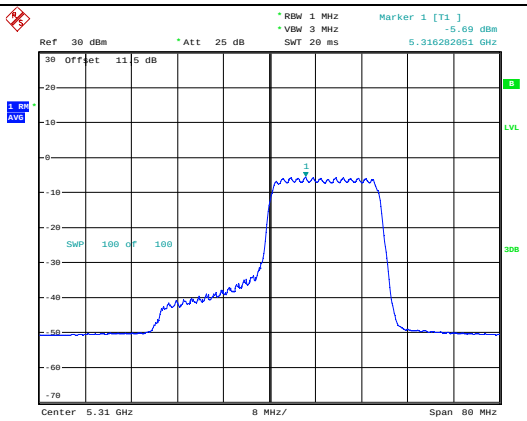
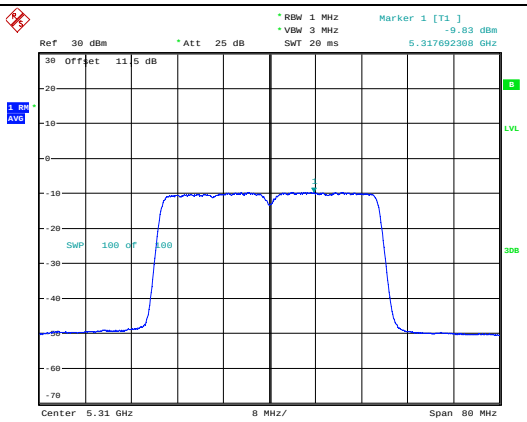
Maximum power spectral density	
802.11ax hew20 RU 26/8 High Channel	
802.11ax hew20 RU 52/40 High Channel	
802.11ax hew20 RU 106/54 High Channel	

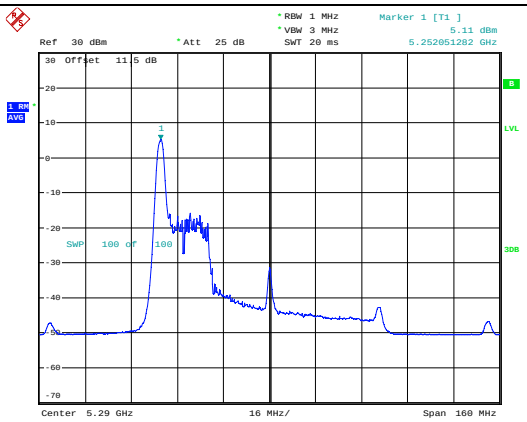
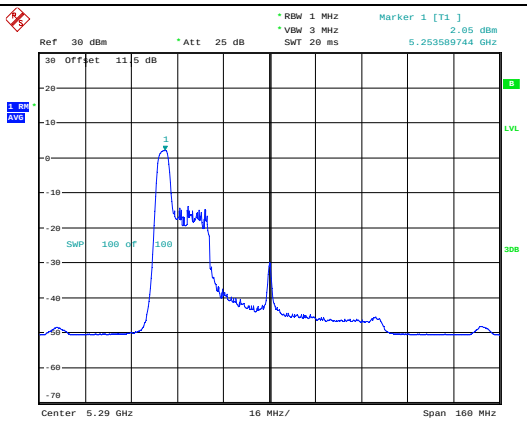
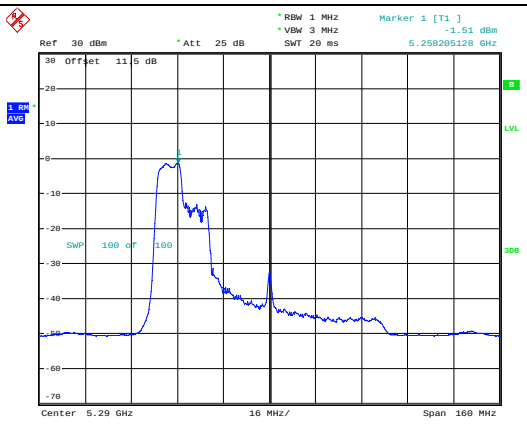
802.11ax hew20 RU 242/61 High Channel	

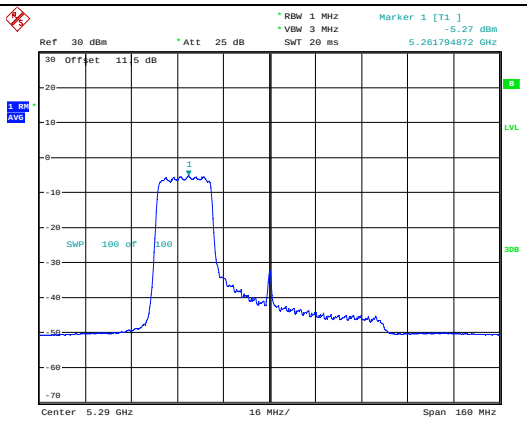
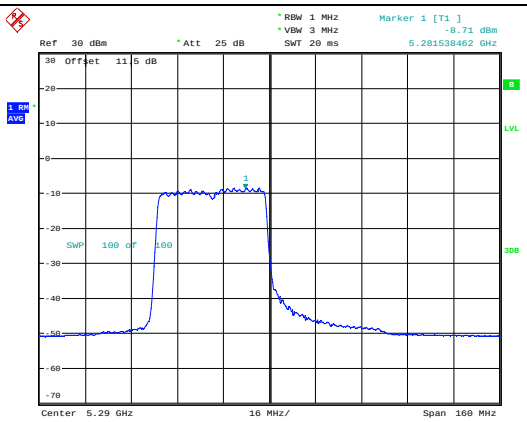
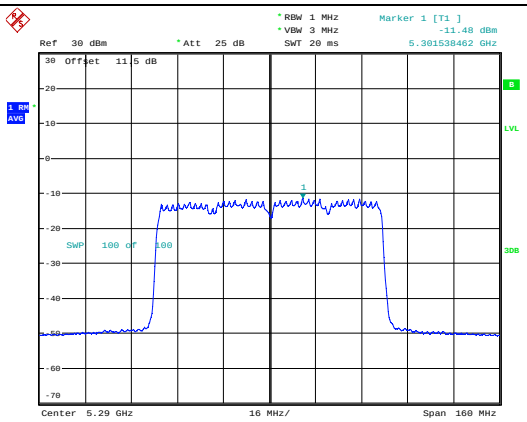
Maximum power spectral density	
802.11ax hew40 RU 26/0 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 23:21:59
802.11ax hew40 RU 52/37 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 23:23:26
802.11ax hew40 RU 106/53 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 23:24:17

802.11ax hew40 RU 242/61 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 23:25:13
802.11ax hew40 RU 484/65 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 23:26:03

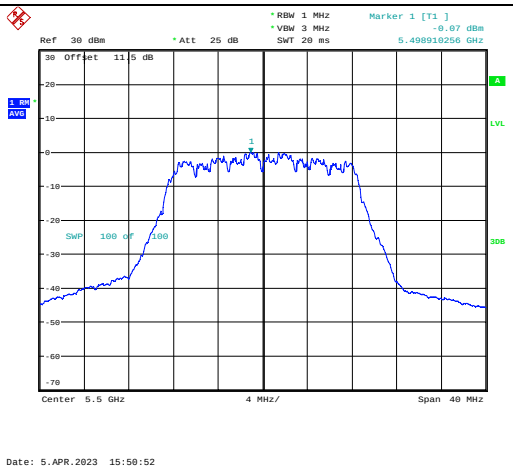
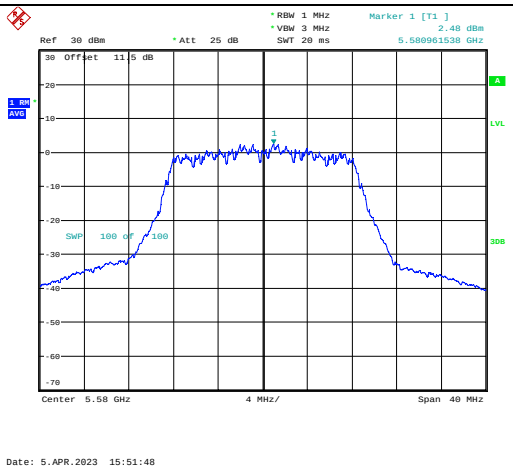
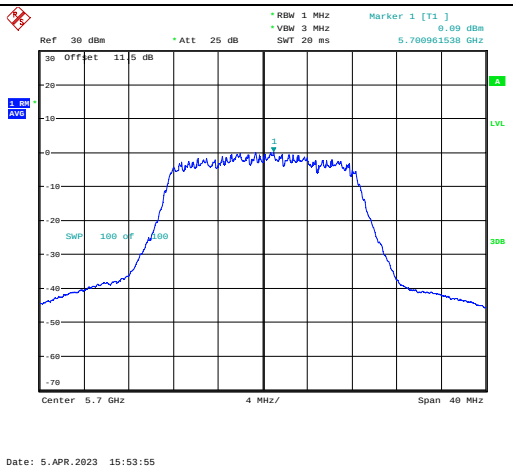
Maximum power spectral density	
802.11ax hew40 RU 26/17 High Channel	
802.11ax hew40 RU 52/44 High Channel	
802.11ax hew40 RU 106/56 High Channel	

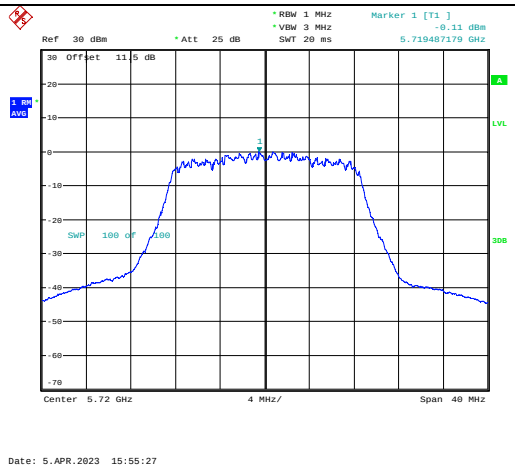
802.11ax hew40 RU 242/62 High Channel	
802.11ax hew40 RU 484/65 High Channel	

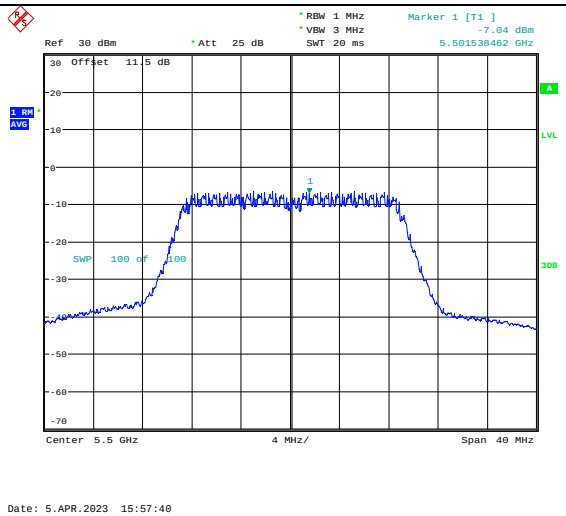
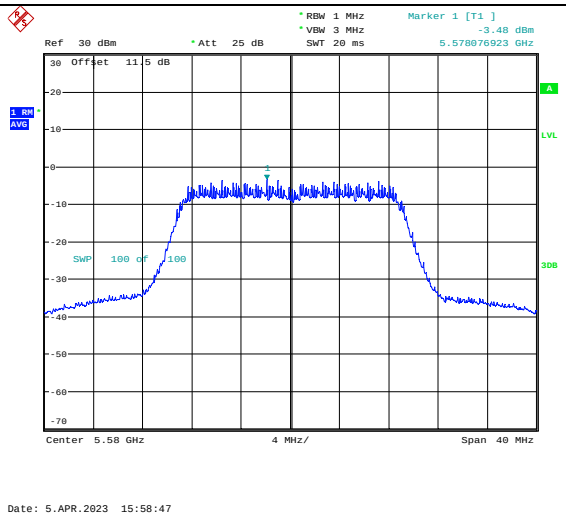
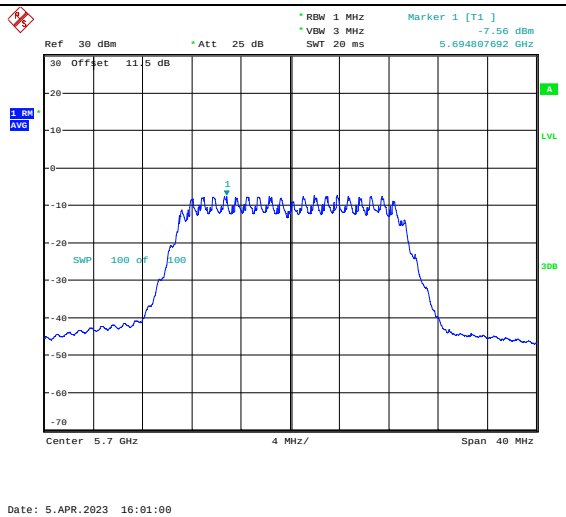
Maximum power spectral density	
802.11ax hew80 RU 26/0 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 23:37:51
802.11ax hew80 RU 52/37 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 23:39:34
802.11ax hew80 RU 106/53 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 21.DEC.2023 23:40:53

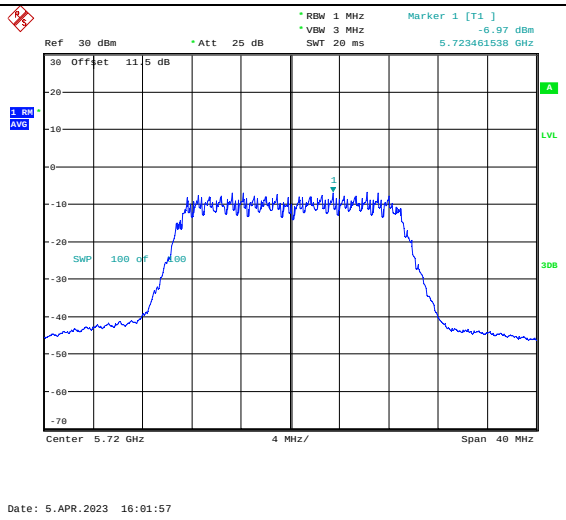
802.11ax hew80 RU 242/61 Middle Channel	
802.11ax hew80 RU 484/65 Middle Channel	
802.11ax hew80 RU 996/67 Middle Channel	

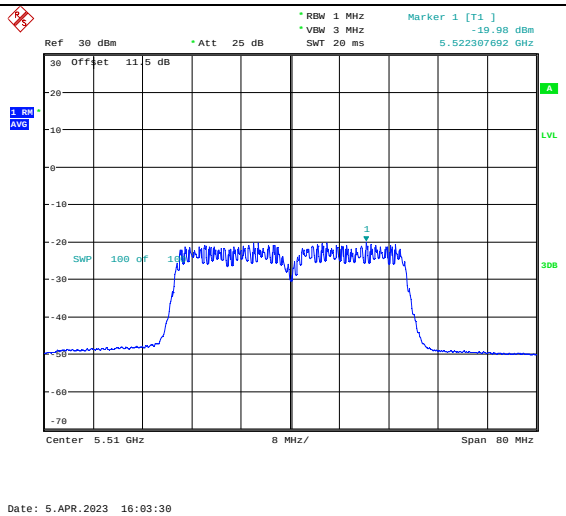
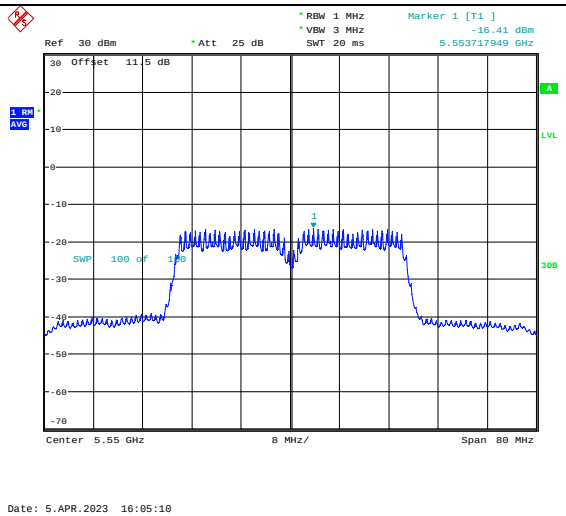
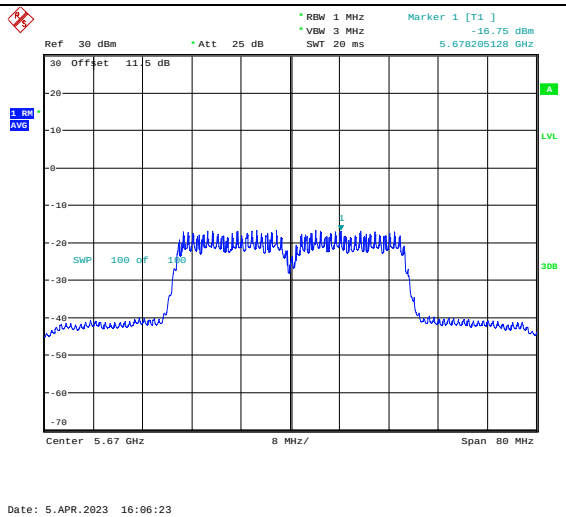
5470-5725 MHz:
Chain 0:

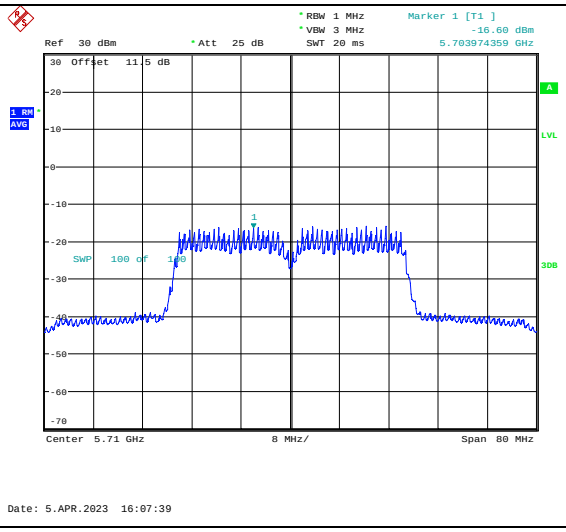
Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

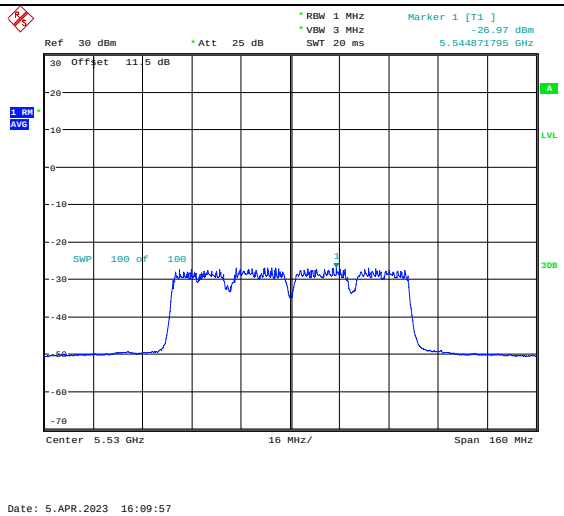
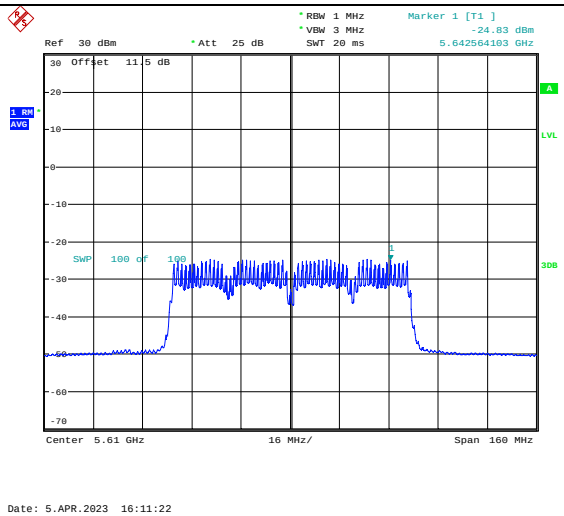
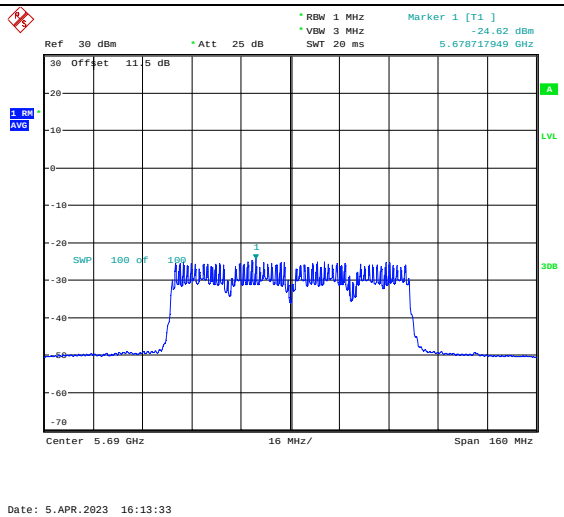
802.11a 5720MHz	

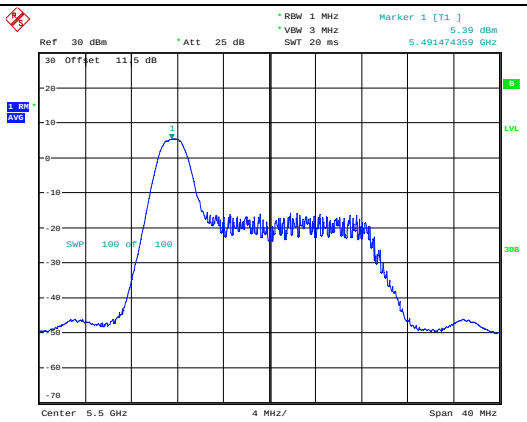
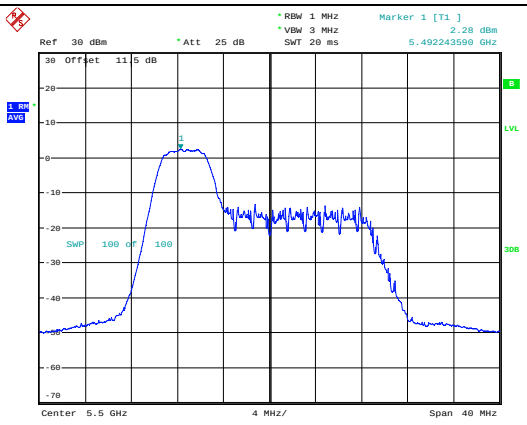
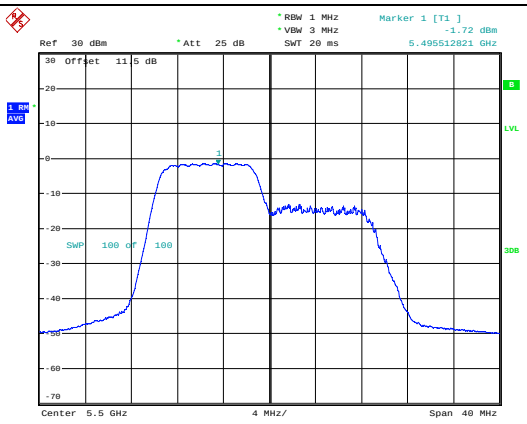
Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

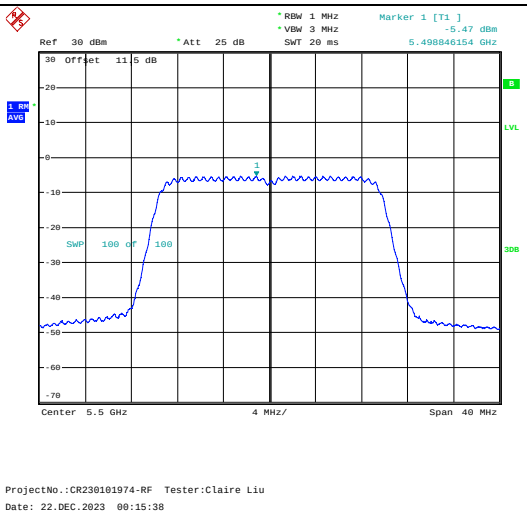
802.11n ht20 5720MHz	

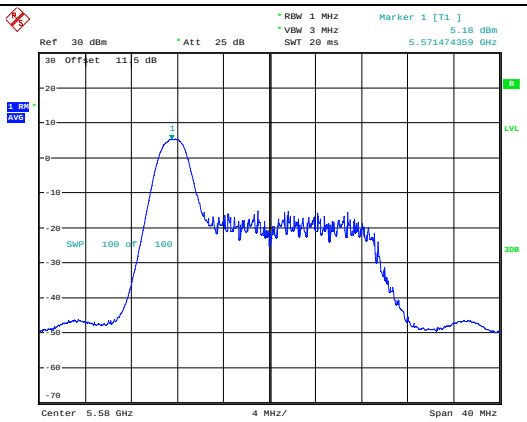
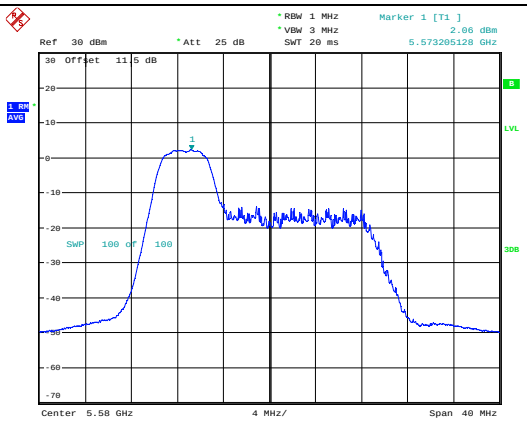
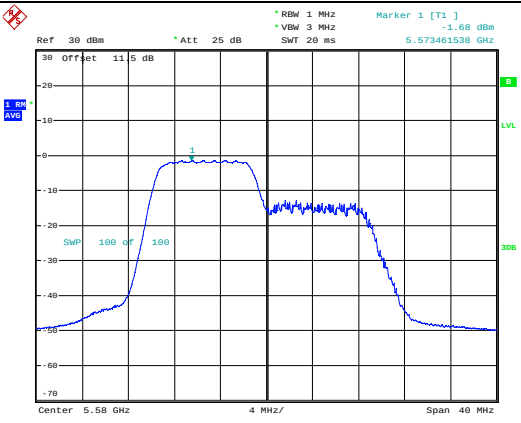
Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Middle Channel	
802.11n ht40 Highest Channel	

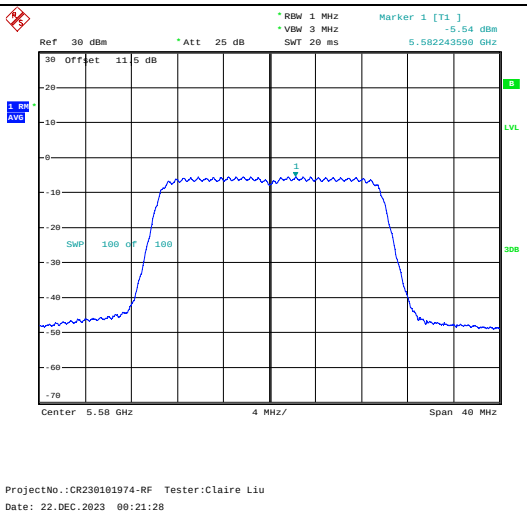
802.11n ht40 5710MHz	

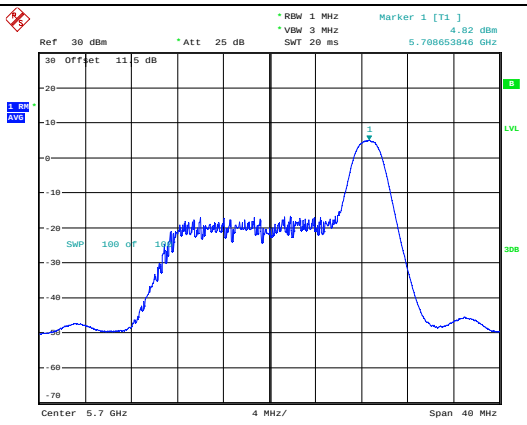
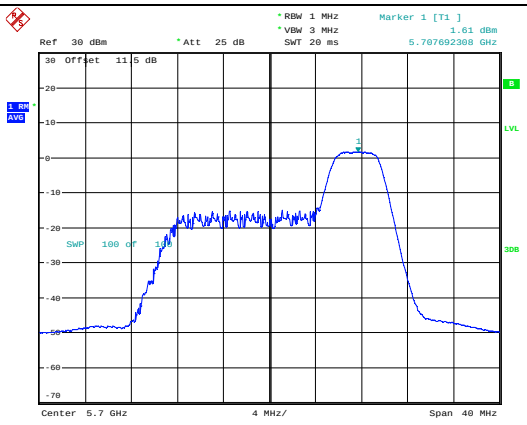
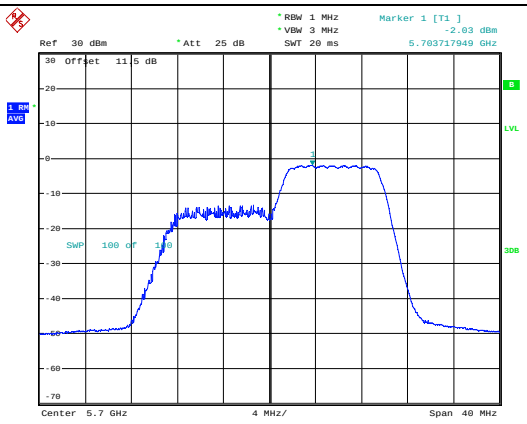
Maximum power spectral density	
802.11ac vht80 Lowest Channel	
802.11ac vht80 Highest Channel	
802.11ac vht80 5690MHz	

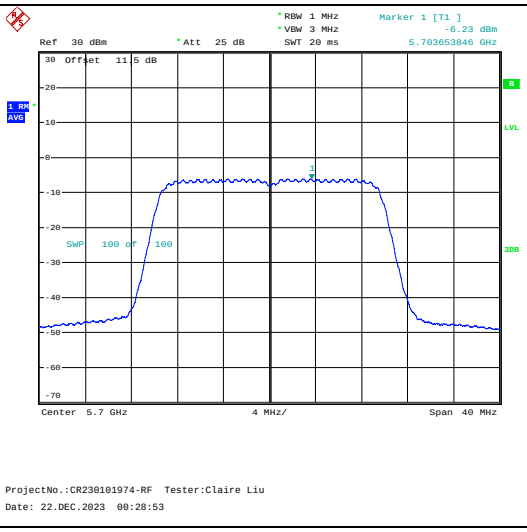
Maximum power spectral density	
802.11ax hew20 RU 26/0 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 00:12:47
802.11ax hew20 RU 52/37 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 00:14:01
802.11ax hew20 RU 106/53 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 00:14:51

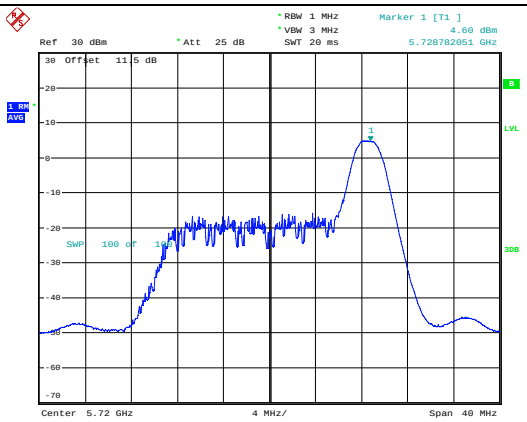
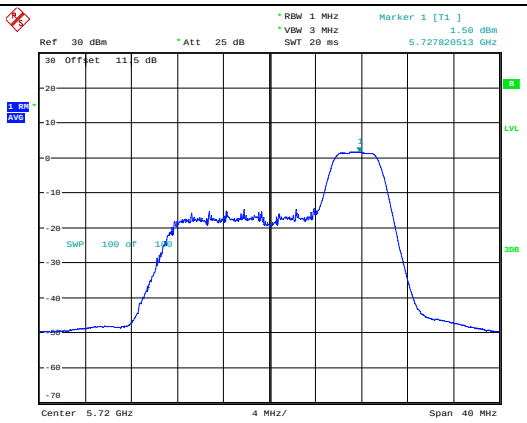
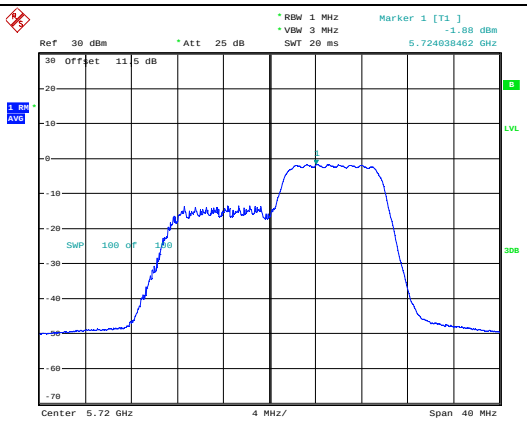
802.11ax hew20 RU 242/61 Lowest Channel	

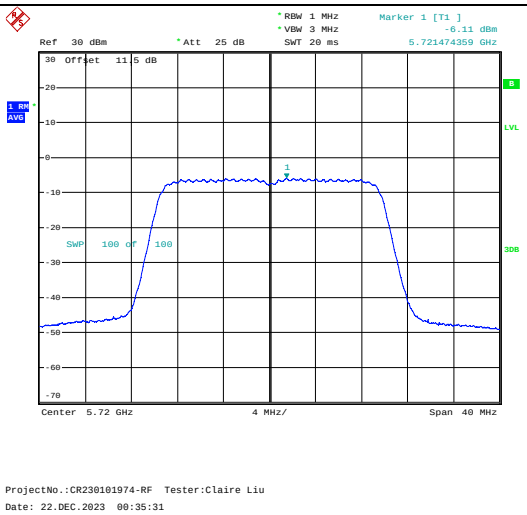
Maximum power spectral density	
802.11ax hew20 RU 26/0 Middle Channel	
802.11ax hew20 RU 52/37 Middle Channel	
802.11ax hew20 RU 106/53 Middle Channel	

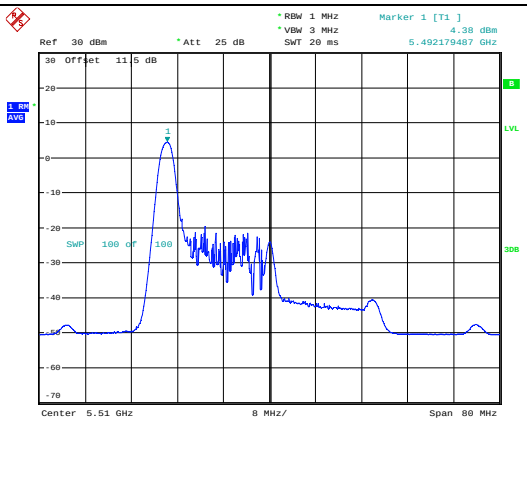
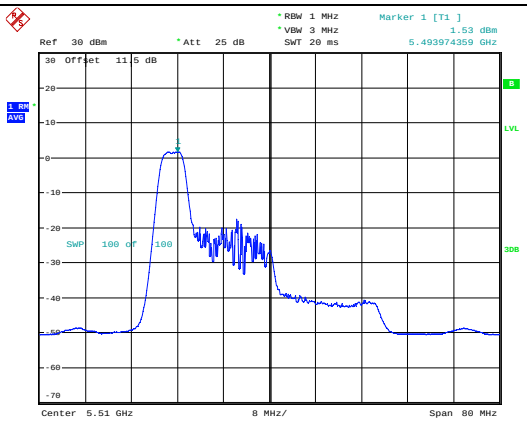
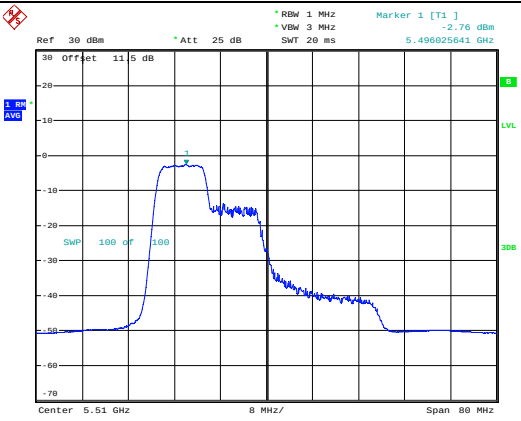
802.11ax hew20 RU 242/61 Middle Channel	

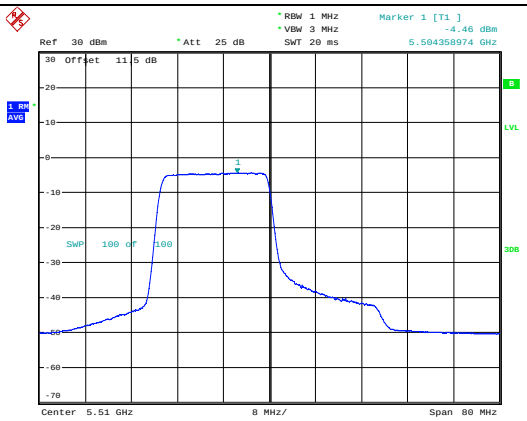
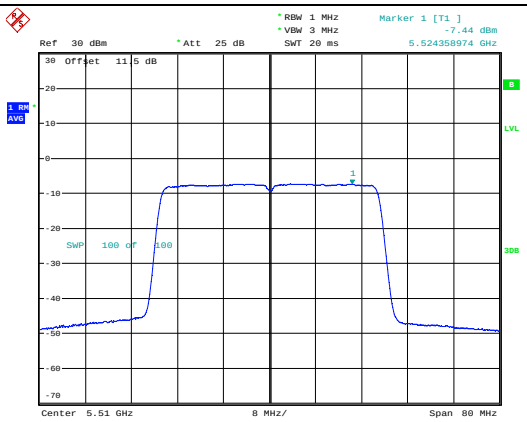
Maximum power spectral density	
802.11ax hew20 RU 26/8 High Channel	
802.11ax hew20 RU 52/40 High Channel	
802.11ax hew20 RU 106/54 High Channel	

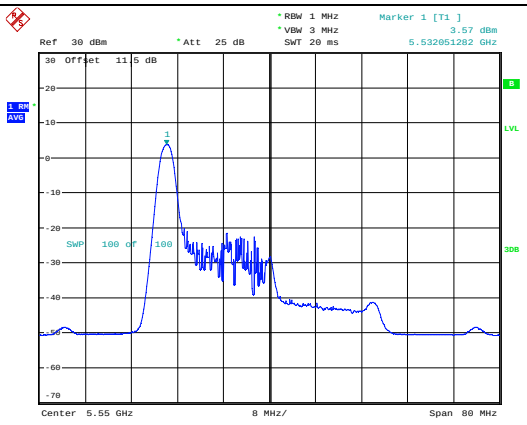
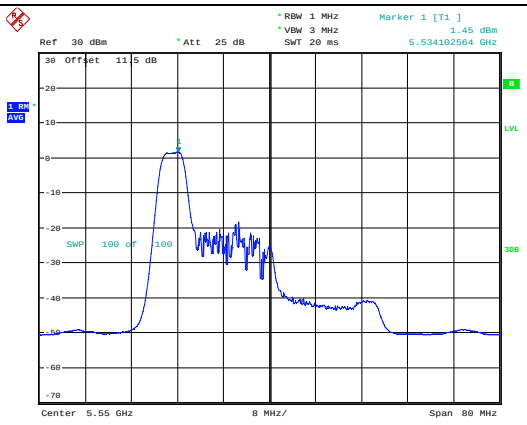
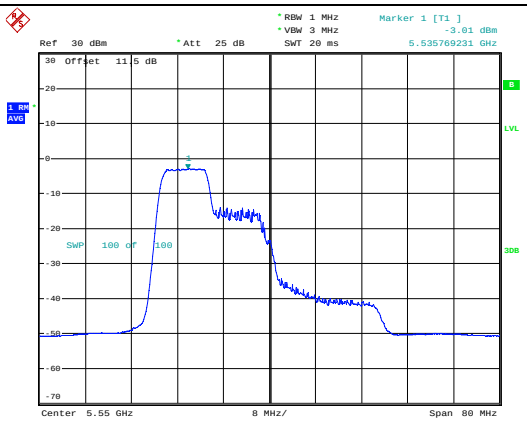
802.11ax hew20 RU 242/61 High Channel	

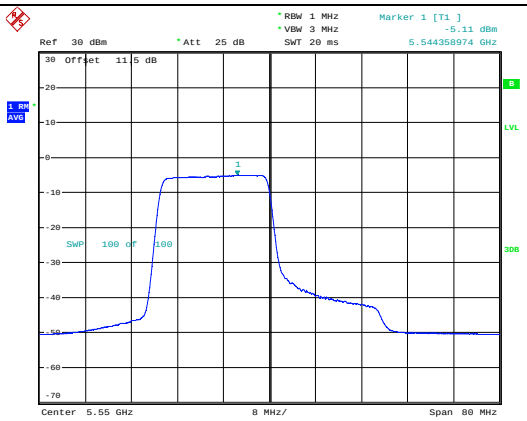
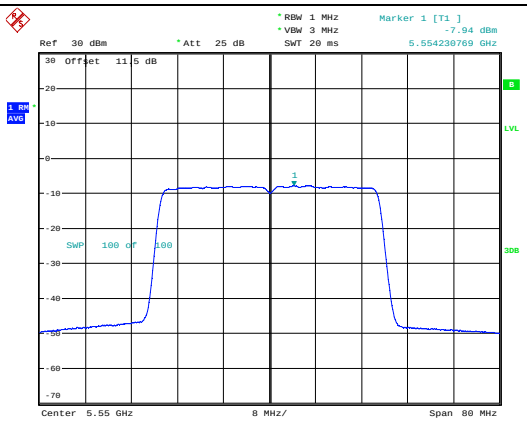
Maximum power spectral density	
802.11ax hew20 RU 26/8 5720MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 00:32:24
802.11ax hew20 RU 52/40 5720MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 00:33:24
802.11ax hew20 RU 106/54 5720MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 00:34:17

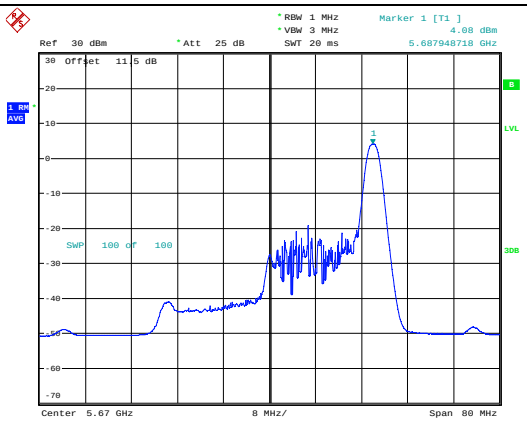
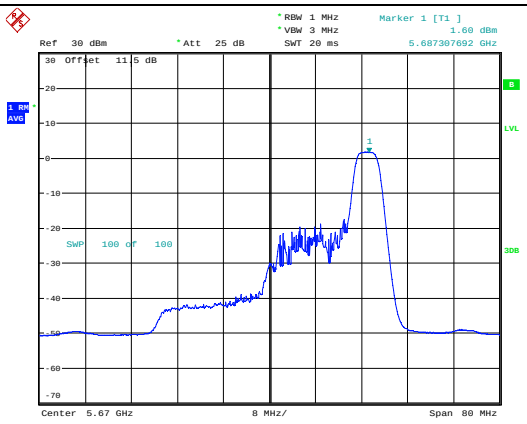
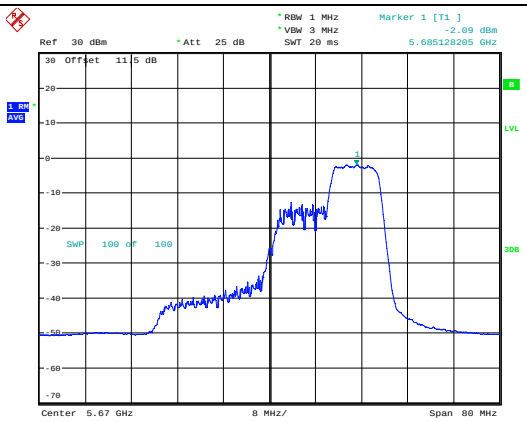
802.11ax hew20 RU 242/61 5720MHz	

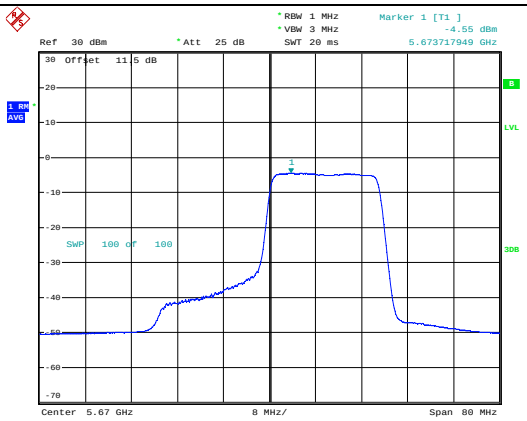
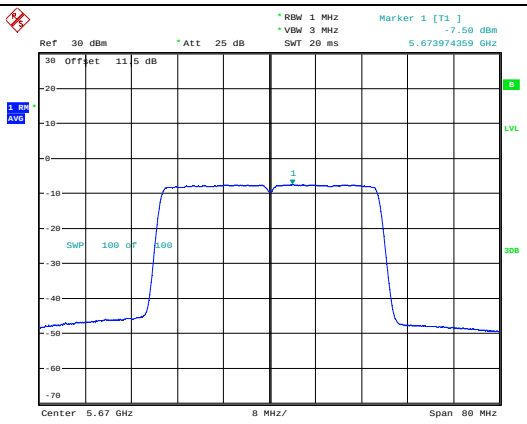
Maximum power spectral density	
802.11ax hew40 RU 26/0 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:24:17
802.11ax hew40 RU 52/37 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:25:41
802.11ax hew40 RU 106/53 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:27:22

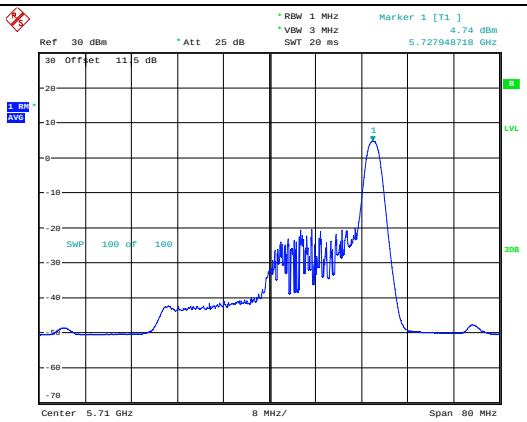
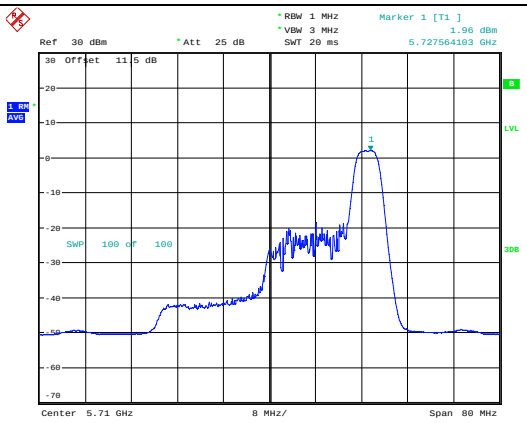
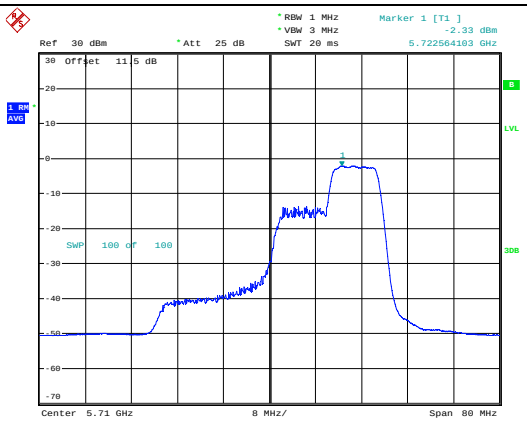
802.11ax hew40 RU 242/61 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:28:39
802.11ax hew40 RU 484/65 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:29:42

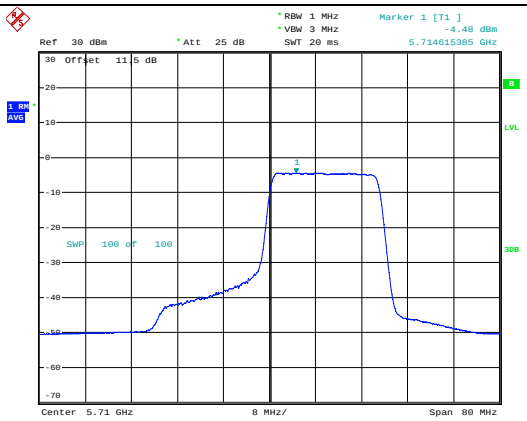
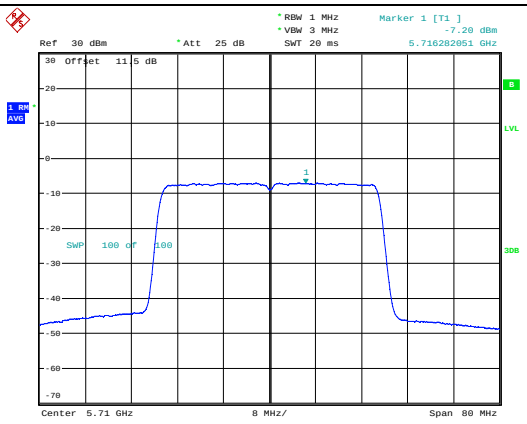
Maximum power spectral density	
802.11ax hew40 RU 26/0 Middle Channel	
802.11ax hew40 RU 52/37 Middle Channel	
802.11ax hew40 RU 106/53 Middle Channel	

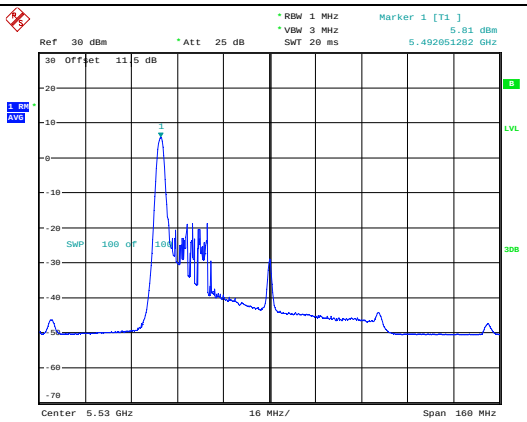
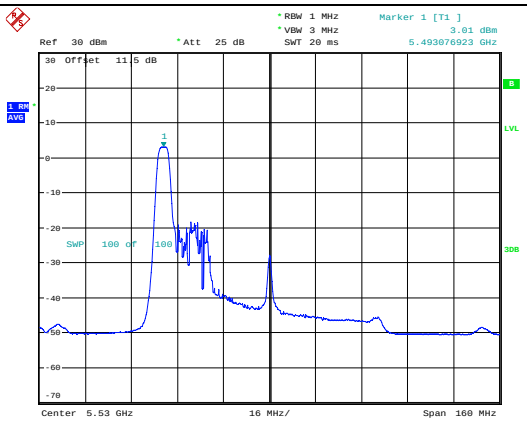
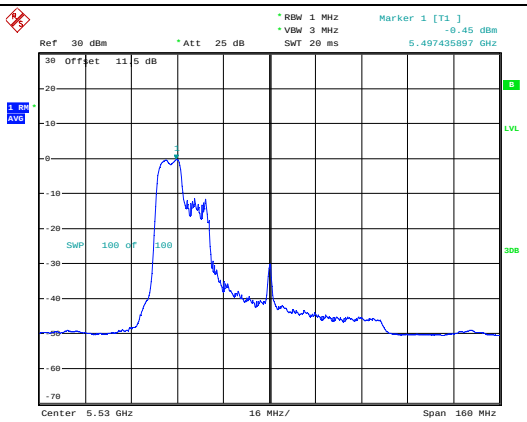
802.11ax hew40 RU 242/61 Middle Channel	
802.11ax hew40 RU 484/65 Middle Channel	

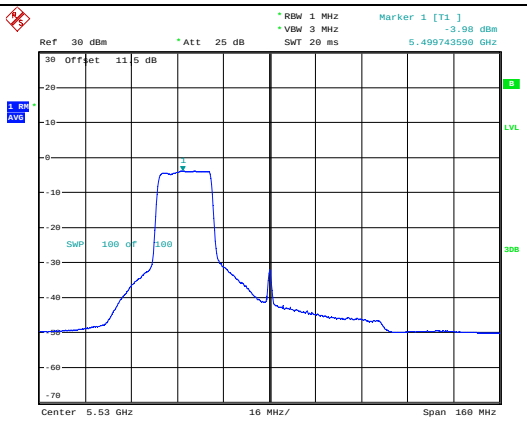
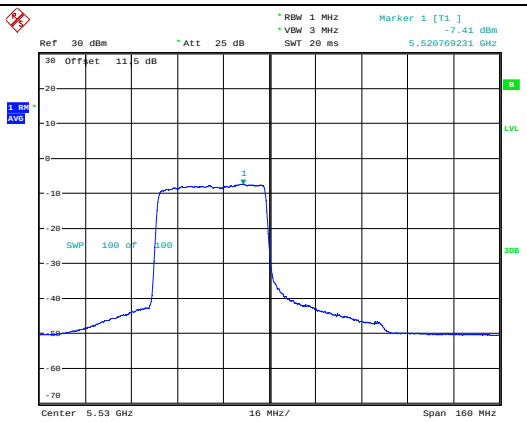
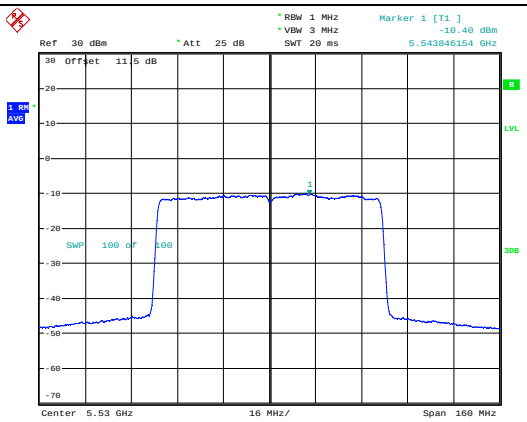
Maximum power spectral density	
802.11ax hew40 RU 26/17 High Channel	
802.11ax hew40 RU 52/44 High Channel	
802.11ax hew40 RU 106/56 High Channel	

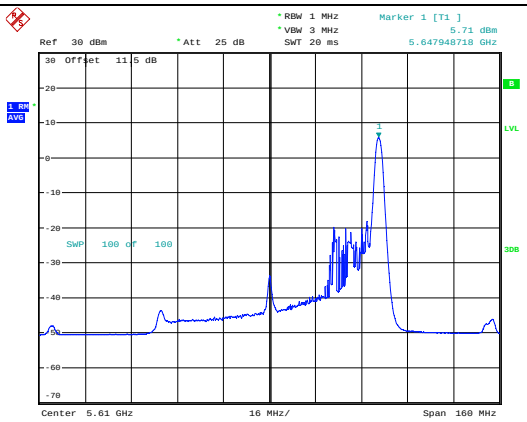
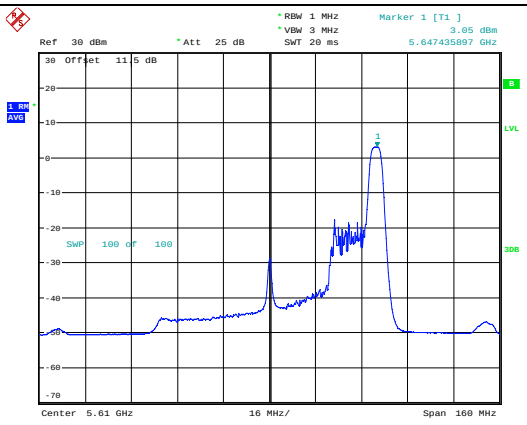
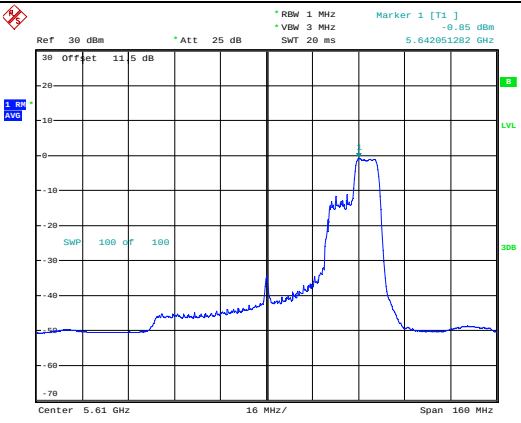
802.11ax hew40 RU 242/62 High Channel	
802.11ax hew40 RU 484/65 High Channel	

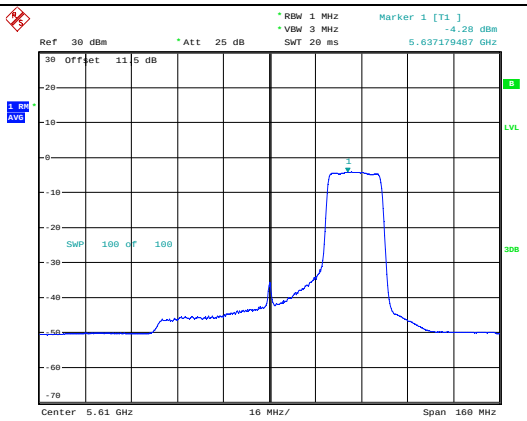
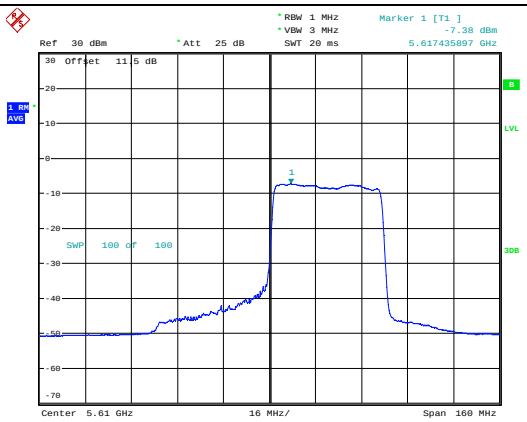
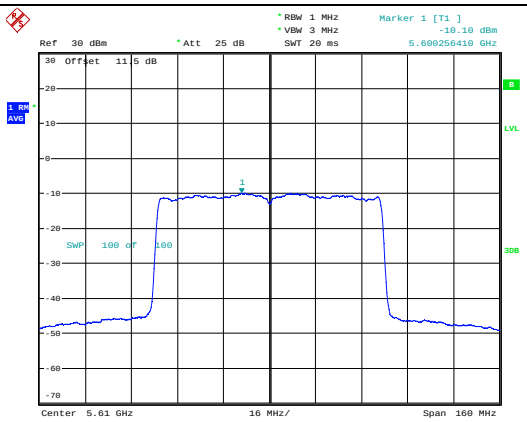
Maximum power spectral density	
802.11ax hew40 RU 26/17 5710MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:53:47
802.11ax hew40 RU 52/44 5710MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:52:48
802.11ax hew40 RU 106/56 5710MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:50:56

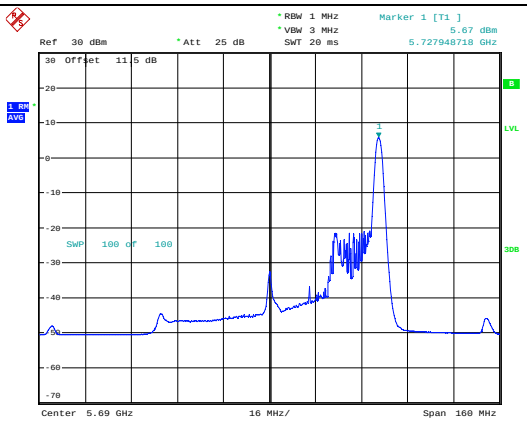
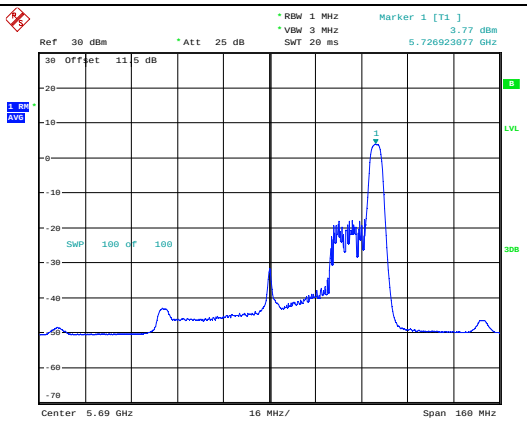
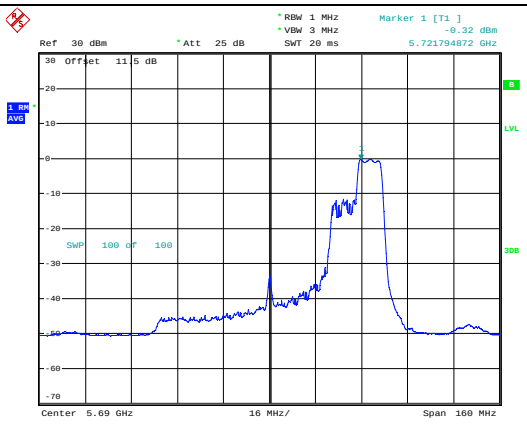
802.11ax hew40 RU 242/62 5710MHz	
802.11ax hew40 RU 484/65 5710MHz	

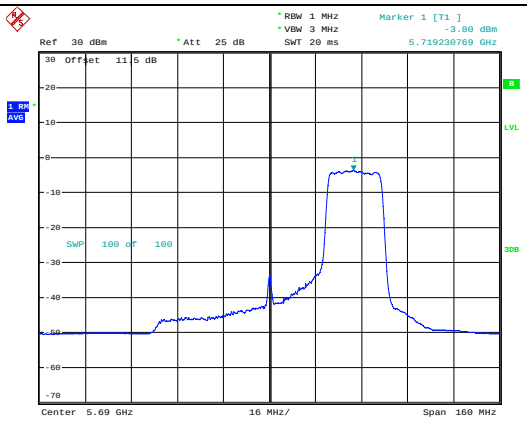
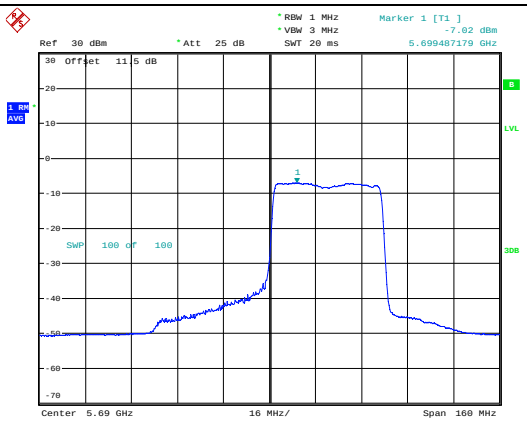
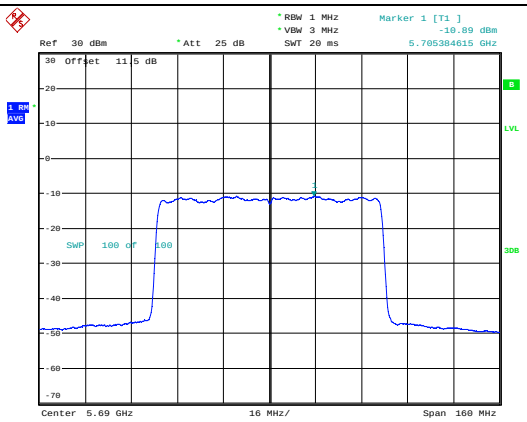
Maximum power spectral density	
802.11ax hew80 RU 26/0 Low Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:57:11
802.11ax hew80 RU 52/37 Low Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 11:58:47
802.11ax hew80 RU 106/53 Low Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 13:20:20

802.11ax hew80 RU 242/61 Low Channel	
802.11ax hew80 RU 484/65 Low Channel	
802.11ax hew80 996/67 Low Channel	

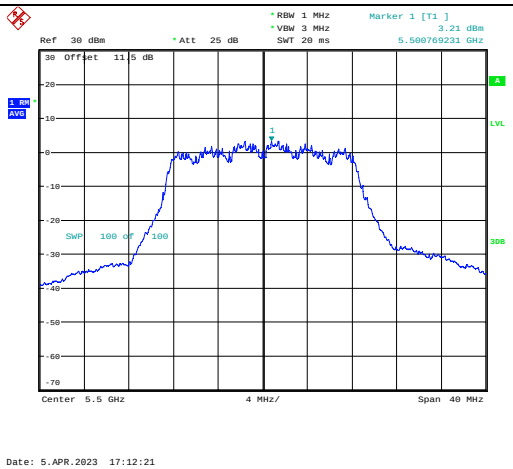
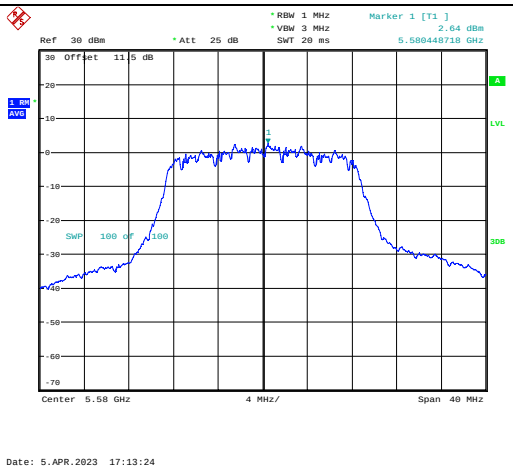
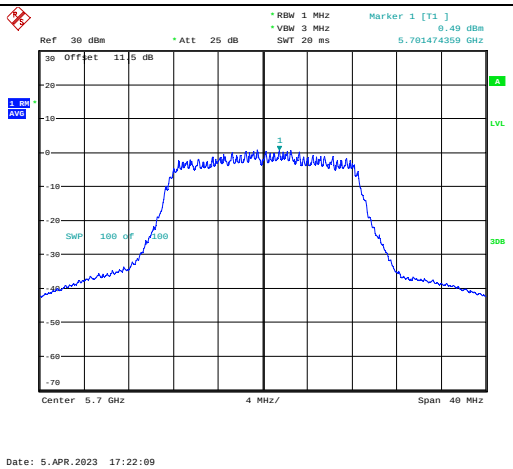
Maximum power spectral density	
802.11ax hew80 RU 26/36 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:57:50
802.11ax hew80 RU 52/52 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 16:10:37
802.11ax hew80 RU 106/60 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 16:12:07

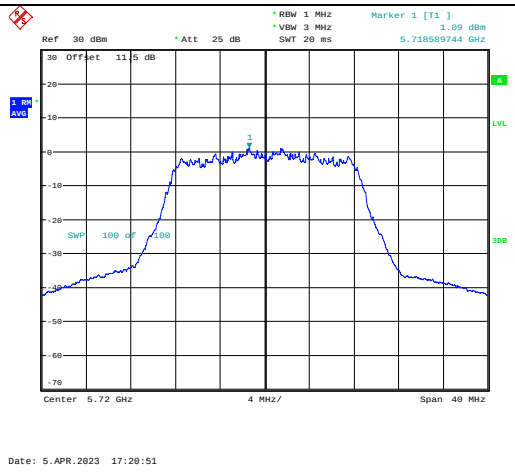
802.11ax hew80 RU 242/64 High Channel	
802.11ax hew80 RU 484/66 High Channel	
802.11ax hew80 996/67 High Channel	

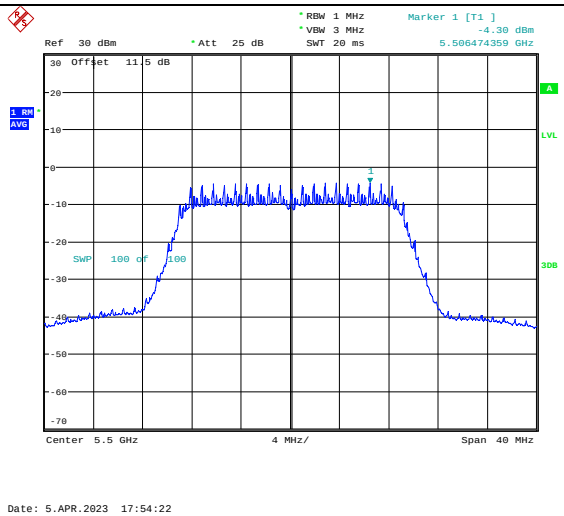
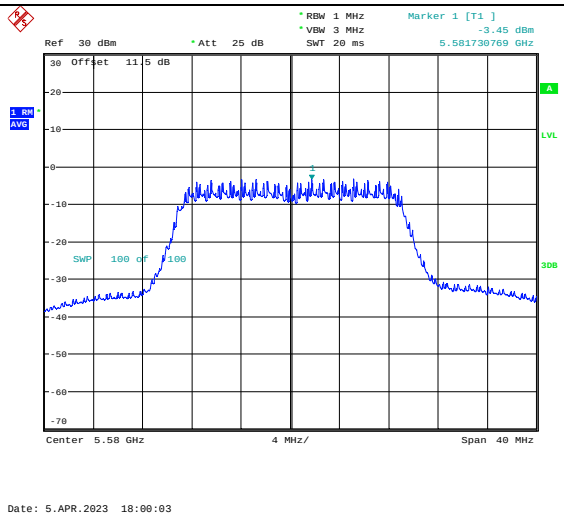
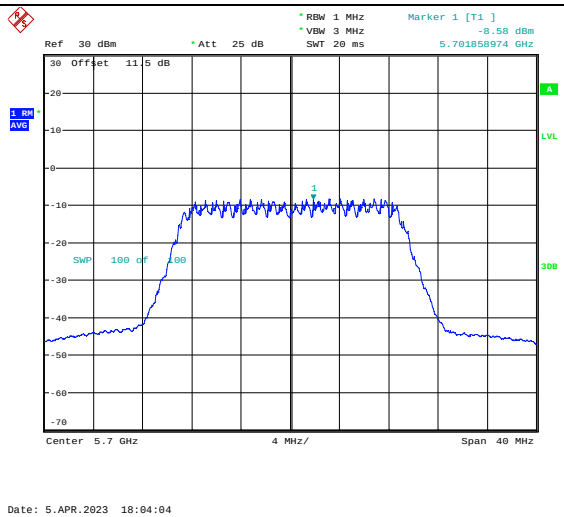
Maximum power spectral density	
802.11ax hew80 RU 26/36 5690MHz	
802.11ax hew80 RU 52/52 5690MHz	
802.11ax hew80 RU 106/60 5690MHz	

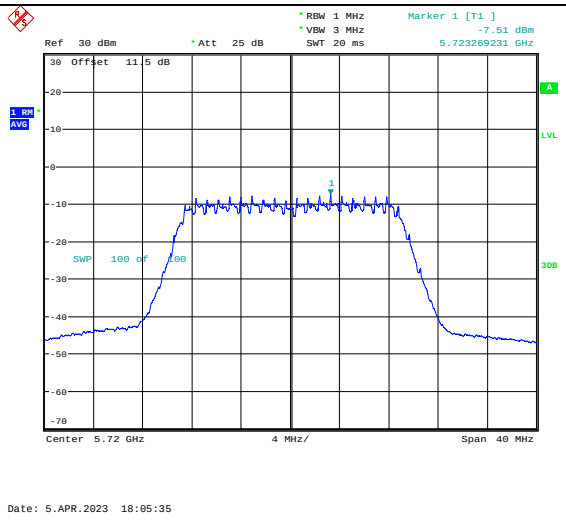
802.11ax hew80 RU 242/64 5690MHz	
802.11ax hew80 RU 484/66 5690MHz	
802.11ax hew80 996/67 5690MHz	

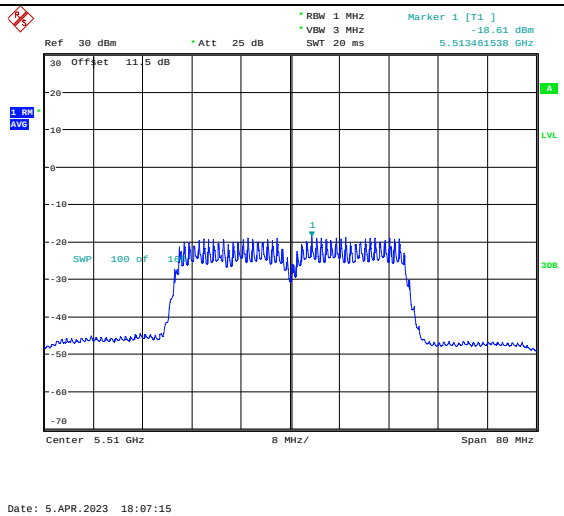
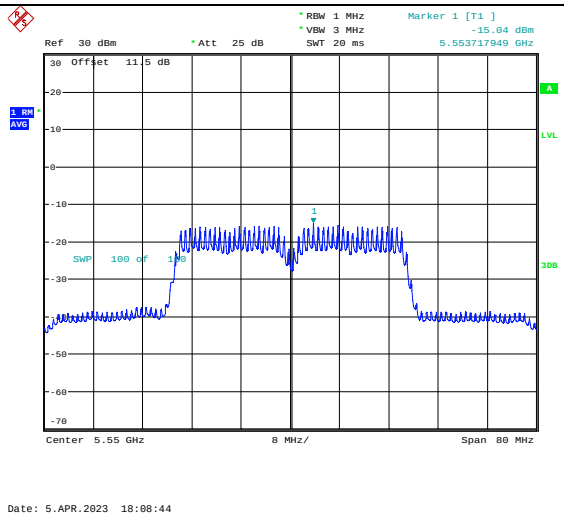
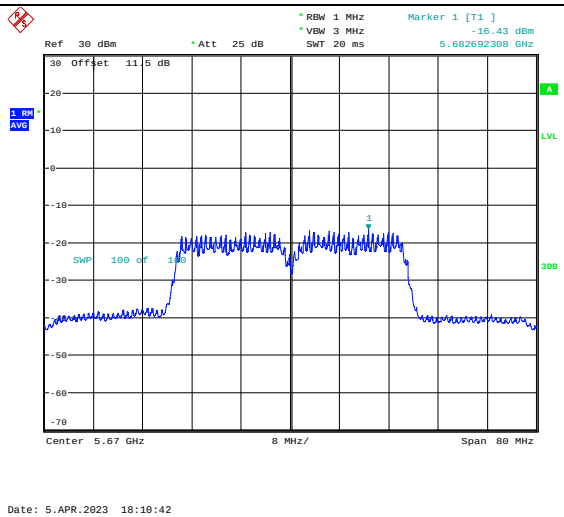
Chain 1:

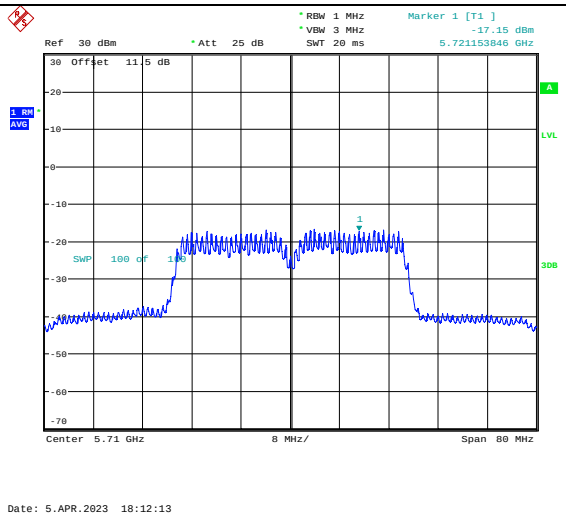
Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

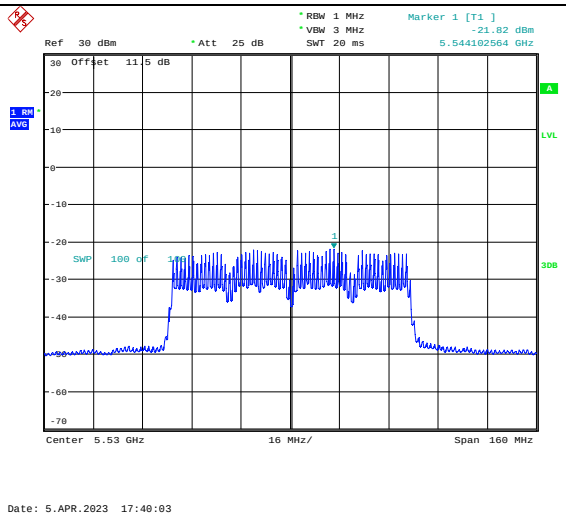
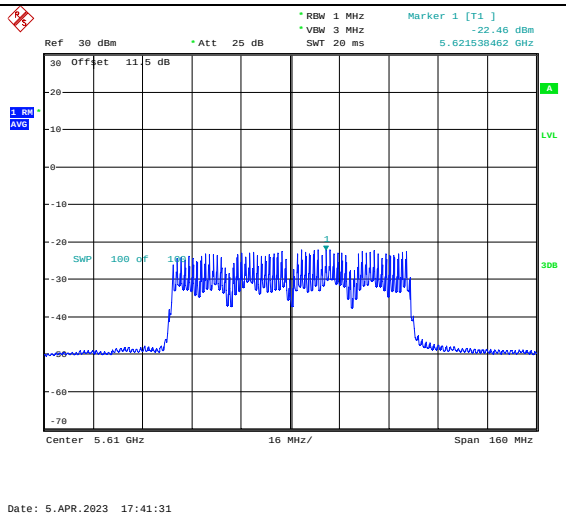
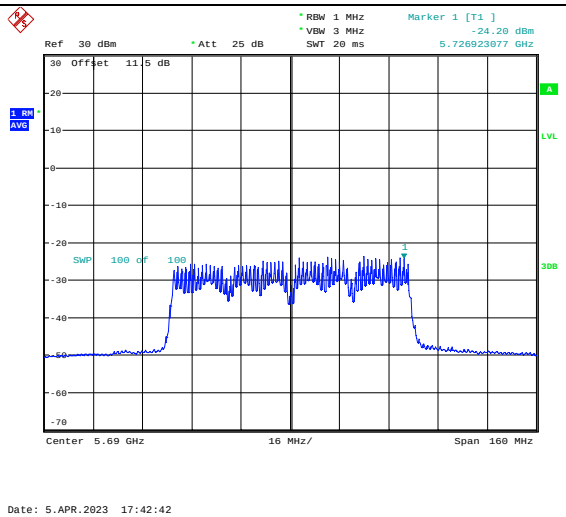
802.11a 5720MHz	

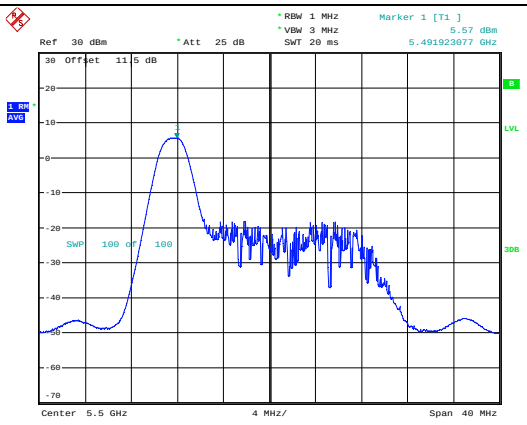
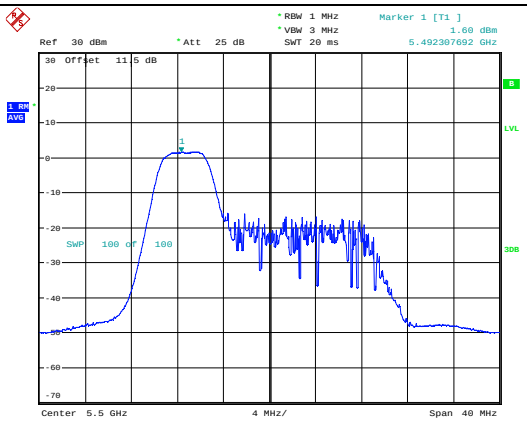
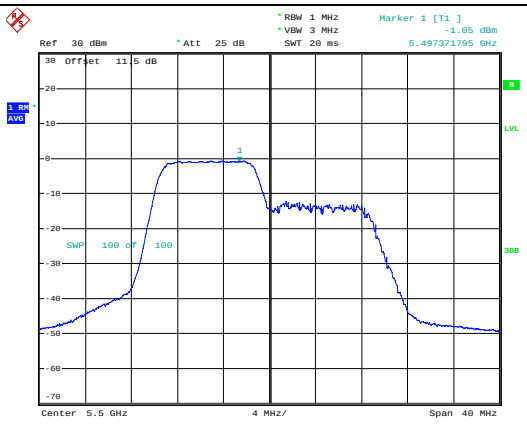
Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

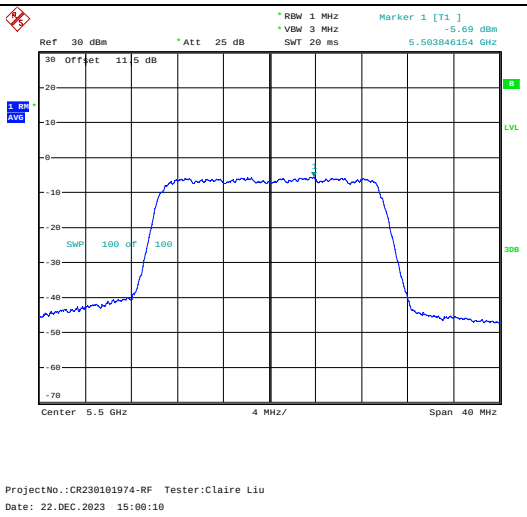
802.11n ht20 5720MHz	

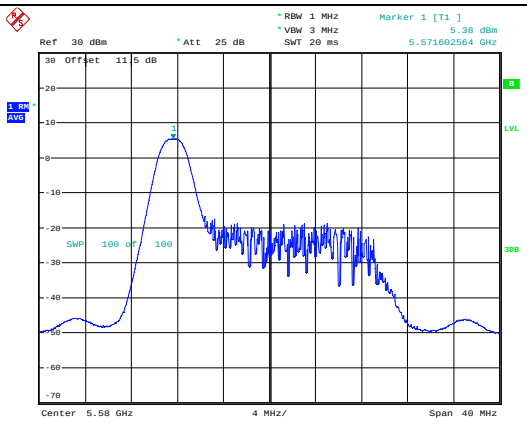
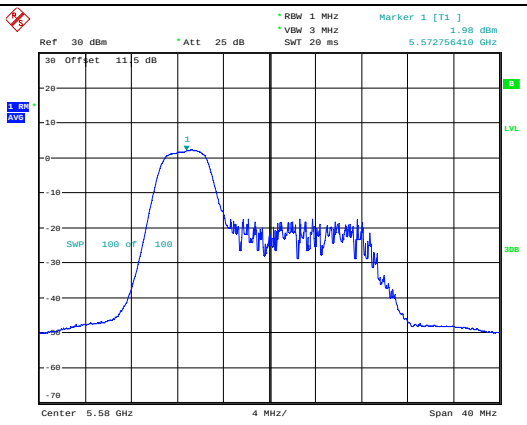
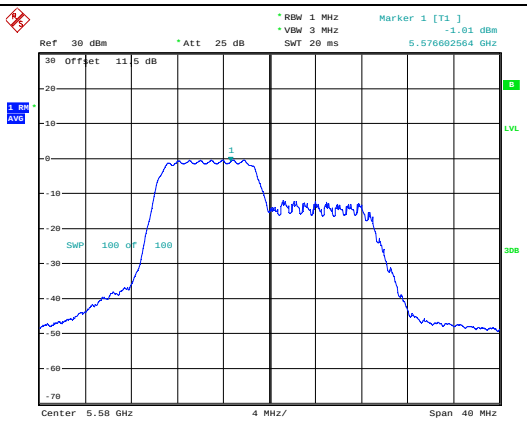
Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Middle Channel	
802.11n ht40 Highest Channel	

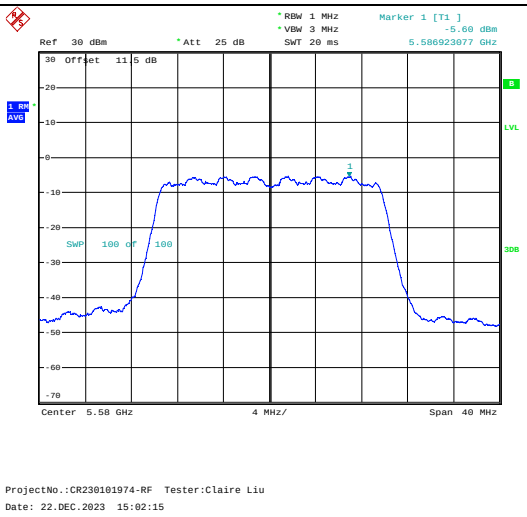
802.11n ht40 5710MHz	

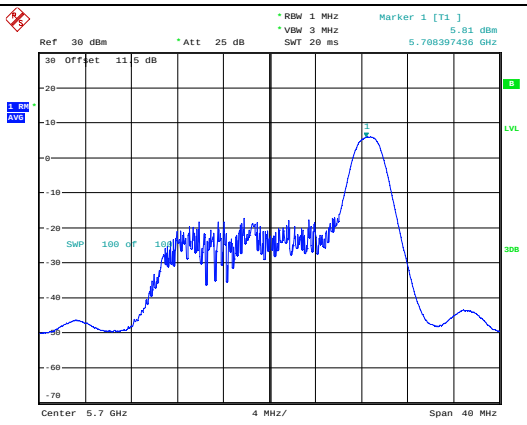
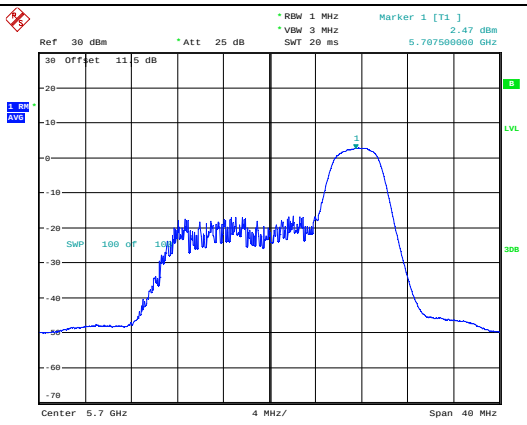
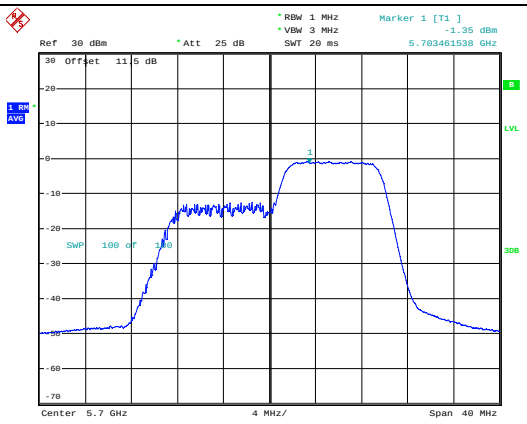
Maximum power spectral density	
802.11ac vht80 Lowest Channel	
802.11ac vht80 Highest Channel	
802.11ac vht80 5690MHz	

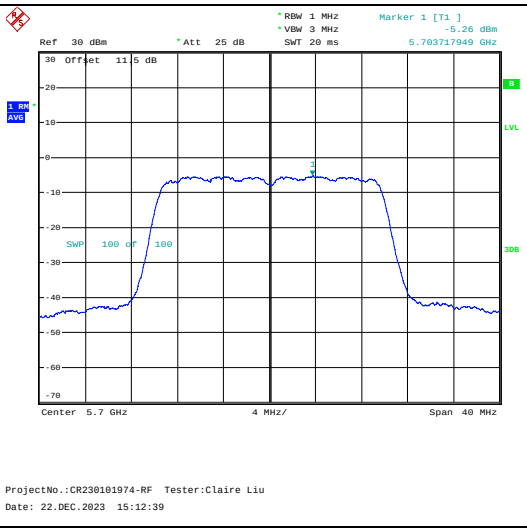
Maximum power spectral density	
802.11ax hew20 RU 26/0 Lowest Channel	
802.11ax hew20 RU 52/37 Lowest Channel	
802.11ax hew20 RU 106/53 Lowest Channel	

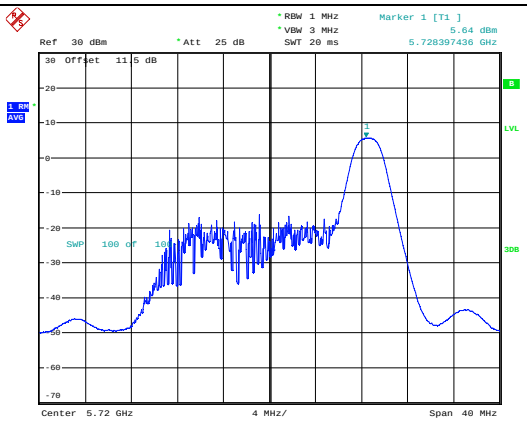
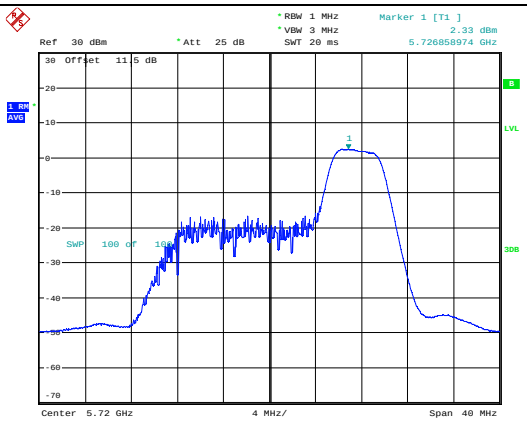
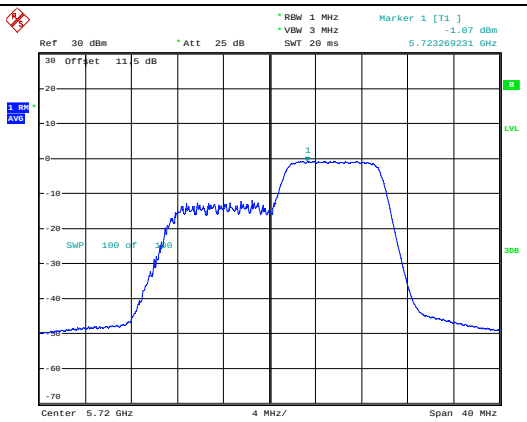
802.11ax hew20 RU 242/61 Lowest Channel	

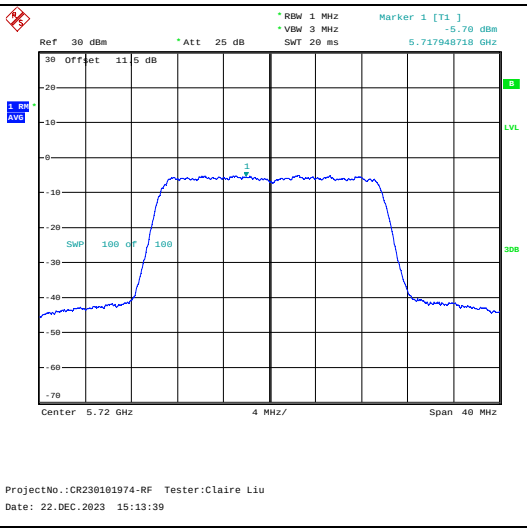
Maximum power spectral density	
802.11ax hew20 RU 26/0 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:05:53
802.11ax hew20 RU 52/37 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:04:59
802.11ax hew20 RU 106/53 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:03:44

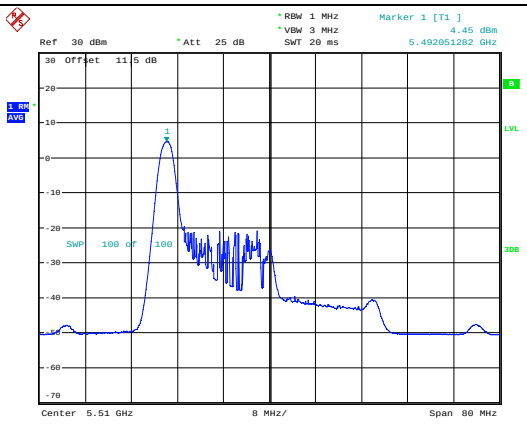
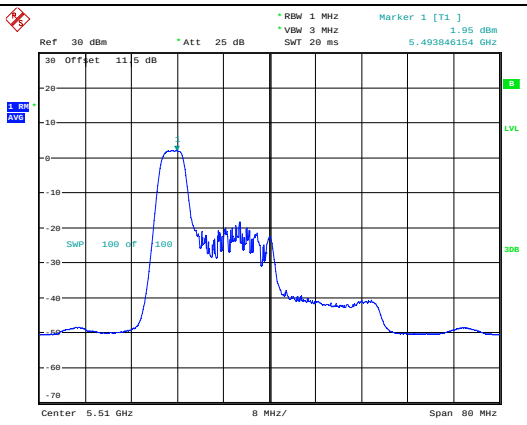
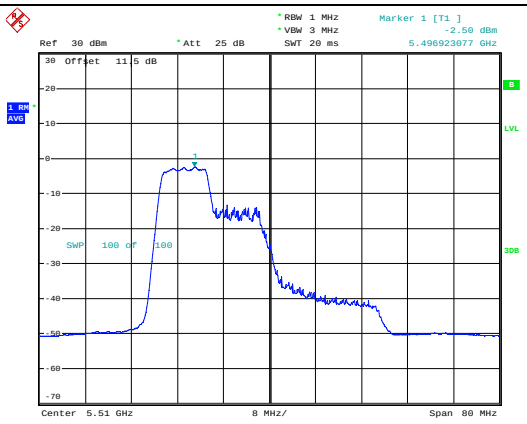
802.11ax hew20 RU 242/61 Middle Channel	

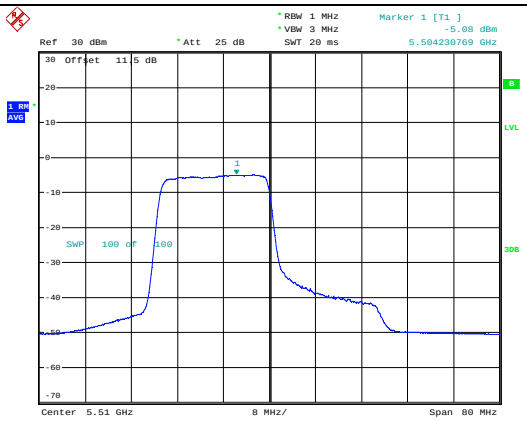
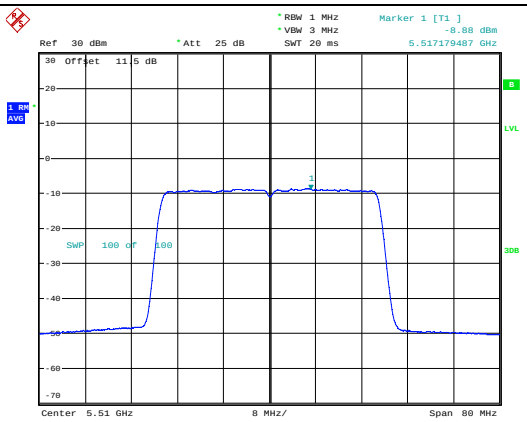
Maximum power spectral density	
802.11ax hew20 RU 26/8 High Channel	
802.11ax hew20 RU 52/40 High Channel	
802.11ax hew20 RU 106/54 High Channel	

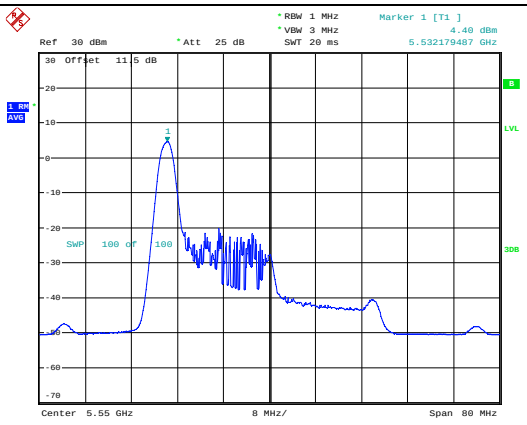
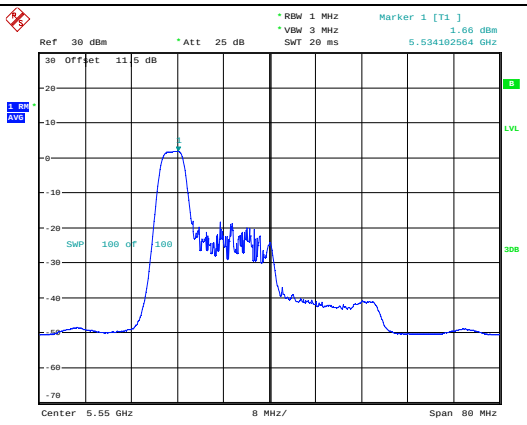
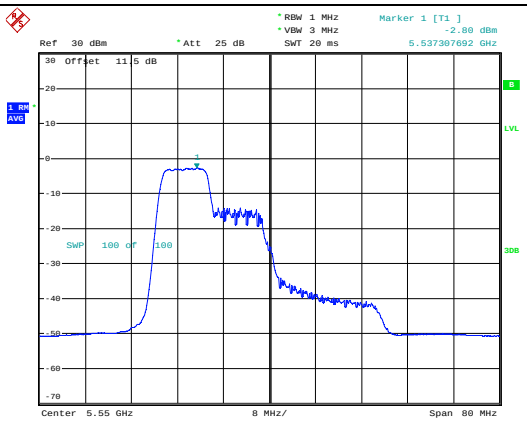
802.11ax hew20 RU 242/61 High Channel	

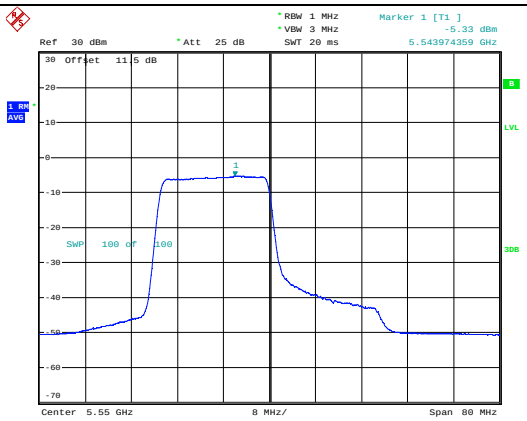
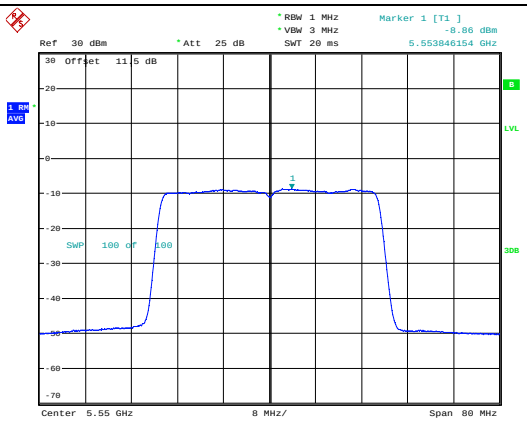
Maximum power spectral density	
802.11ax hew20 RU 26/8 5720MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:18:42
802.11ax hew20 RU 52/40 5720MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:17:50
802.11ax hew20 RU 106/54 5720MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:16:00

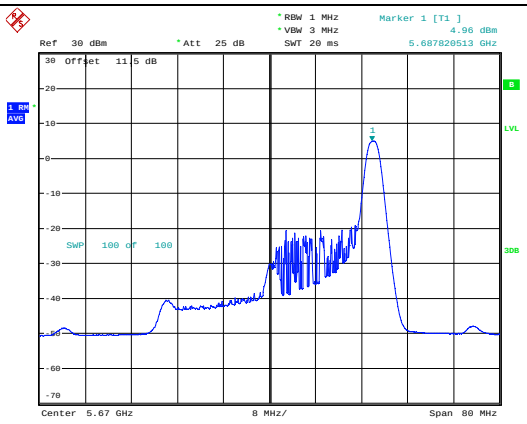
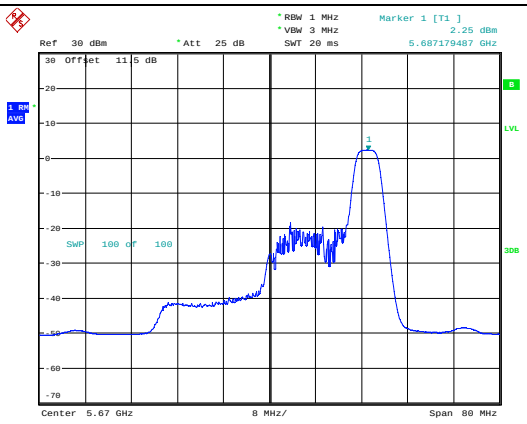
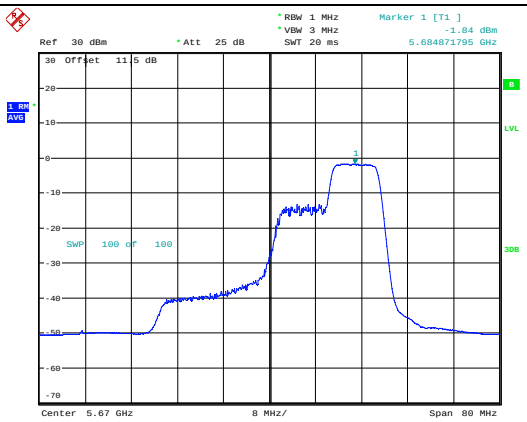
802.11ax hew20 RU 242/61 5720MHz	

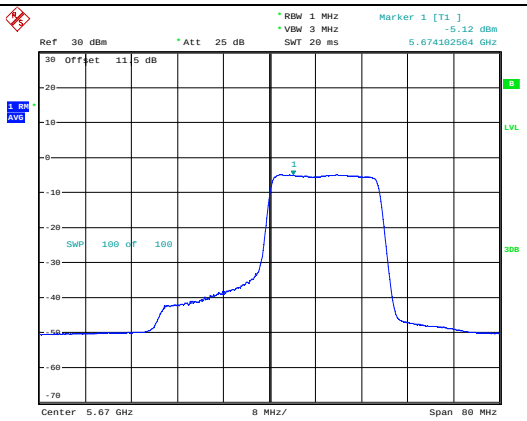
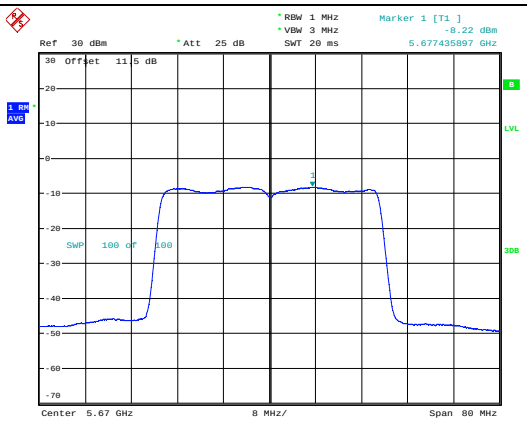
Maximum power spectral density	
802.11ax hew40 RU 26/0 Lowest Channel	
802.11ax hew40 RU 52/37 Lowest Channel	
802.11ax hew40 RU 106/53 Lowest Channel	

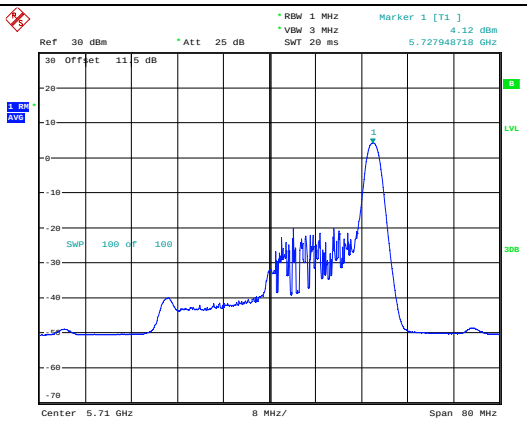
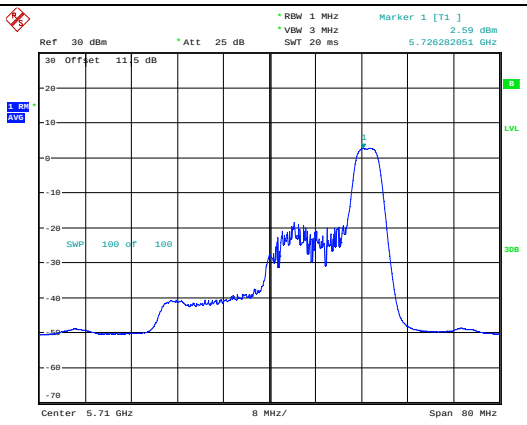
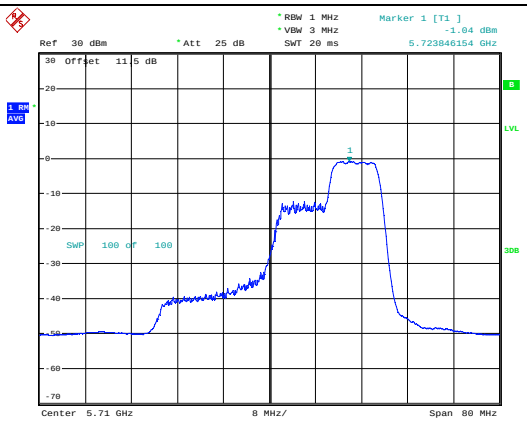
802.11ax hew40 RU 242/61 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:29:25
802.11ax hew40 RU 484/65 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:30:21

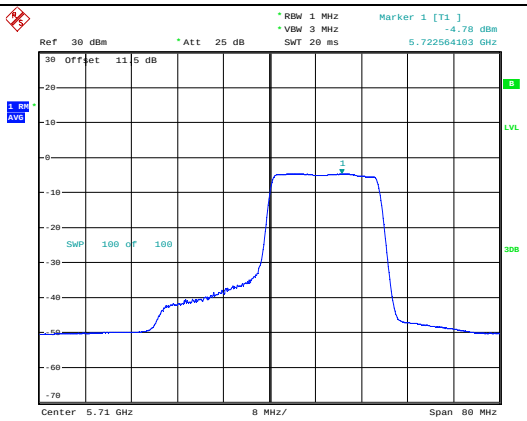
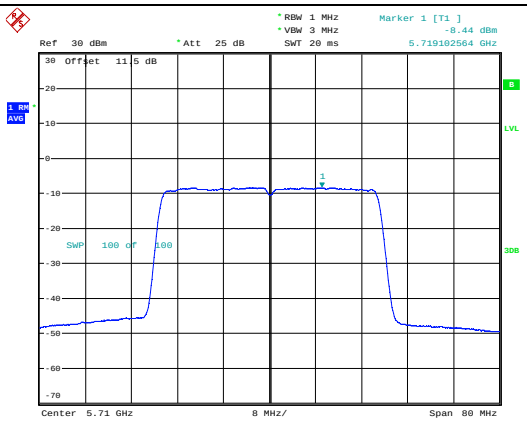
Maximum power spectral density	
802.11ax hew40 RU 26/0 Middle Channel	
802.11ax hew40 RU 52/37 Middle Channel	
802.11ax hew40 RU 106/53 Middle Channel	

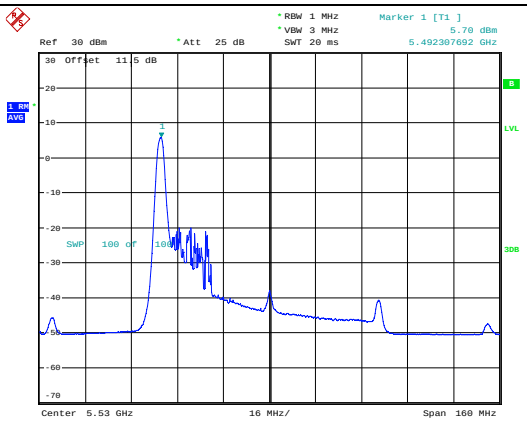
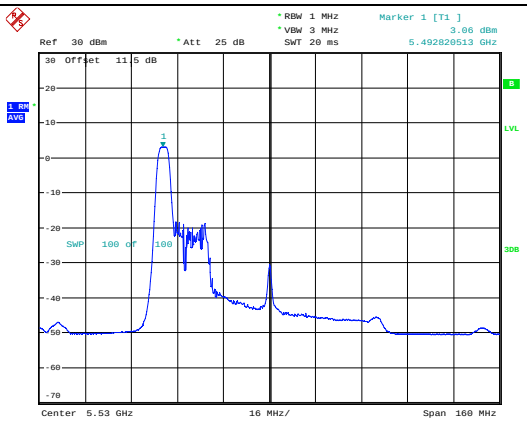
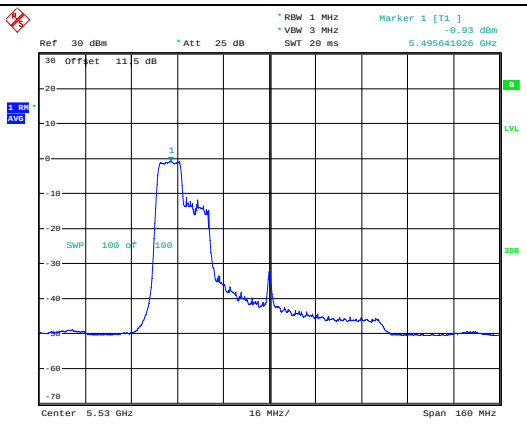
802.11ax hew40 RU 242/61 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:33:37
802.11ax hew40 RU 484/65 Middle Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:32:23

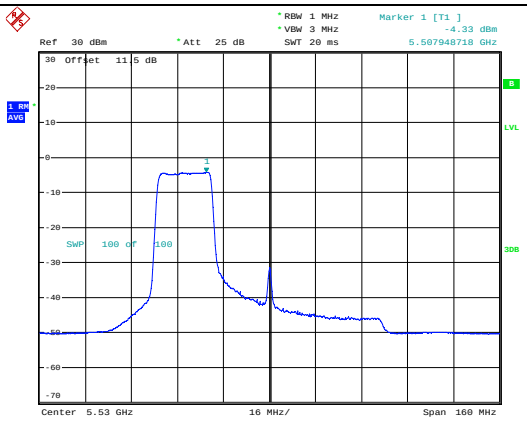
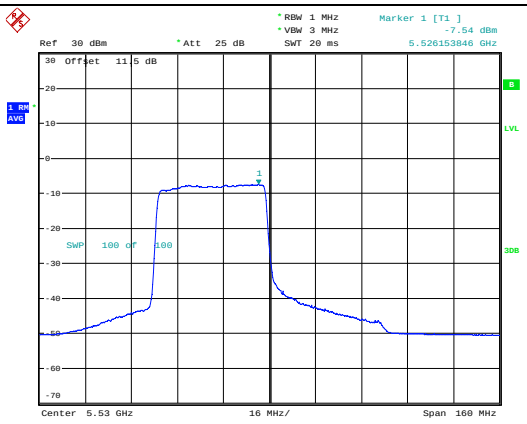
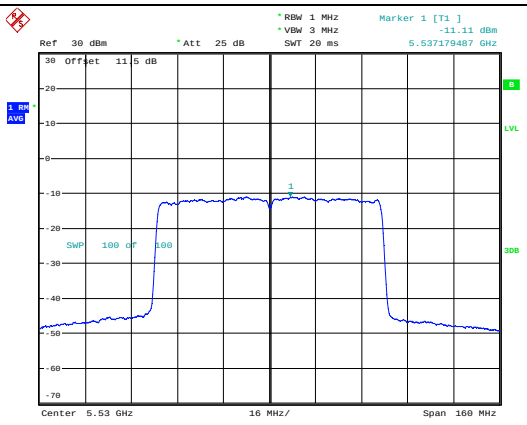
Maximum power spectral density	
802.11ax hew40 RU 26/17 High Channel	
802.11ax hew40 RU 52/44 High Channel	
802.11ax hew40 RU 106/56 High Channel	

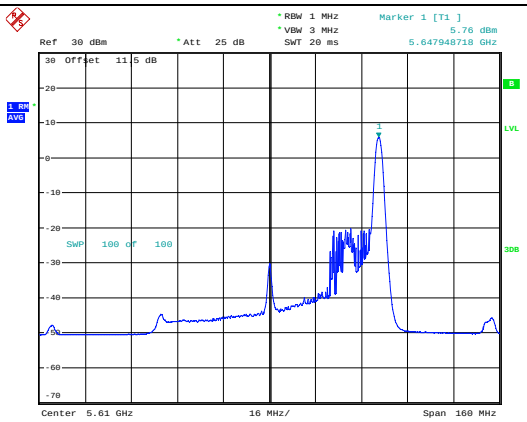
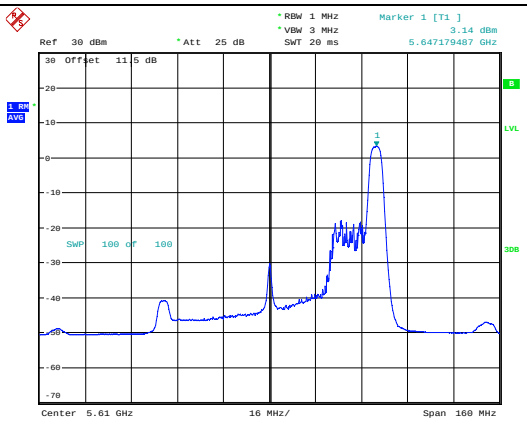
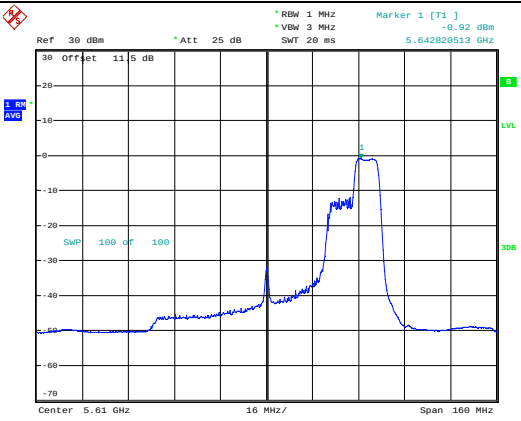
802.11ax hew40 RU 242/62 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:42:24
802.11ax hew40 RU 484/65 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 15:43:44

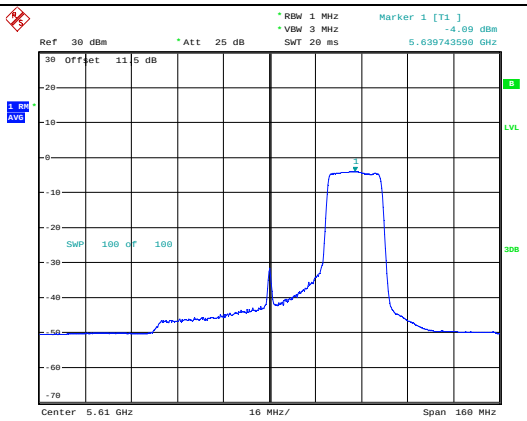
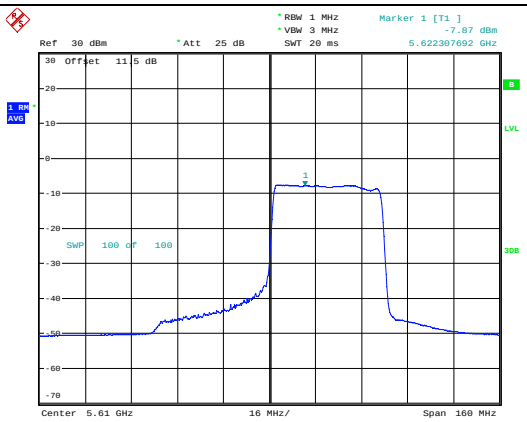
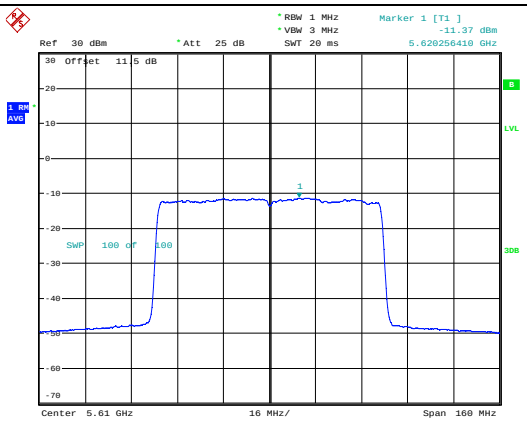
Maximum power spectral density	
802.11ax hew40 RU 26/17 5710MHz	
802.11ax hew40 RU 52/44 5710MHz	
802.11ax hew40 RU 106/56 5710MHz	

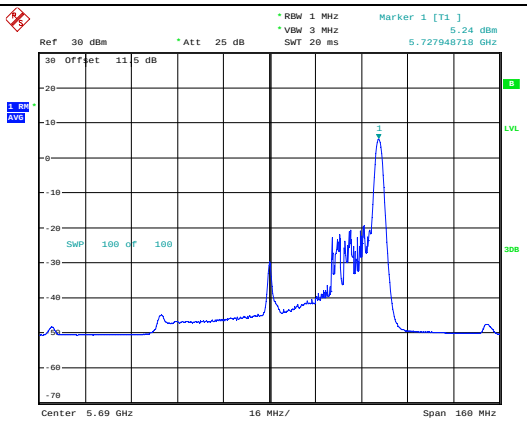
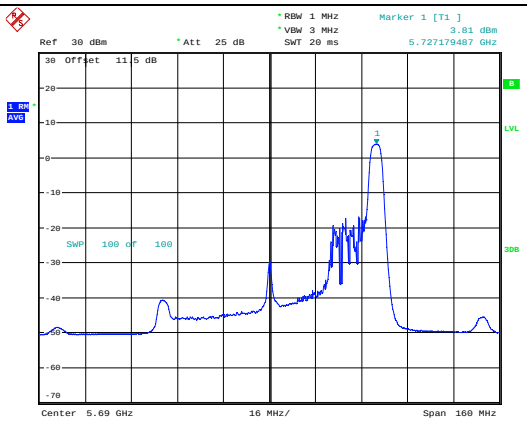
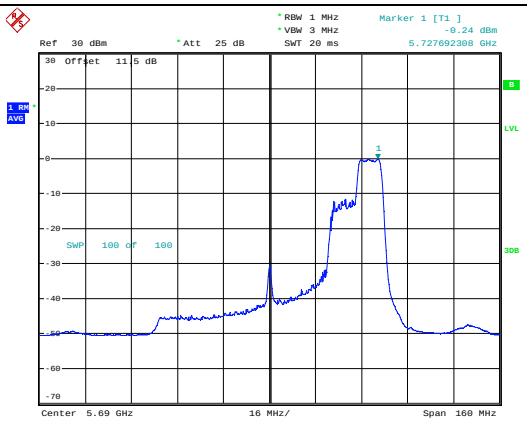
802.11ax hew40 RU 242/62 5710MHz	
802.11ax hew40 RU 484/65 5710MHz	

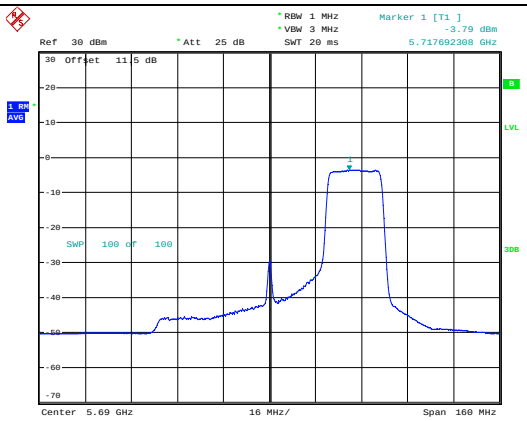
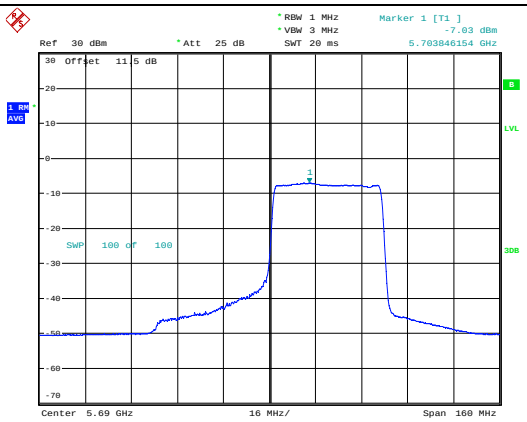
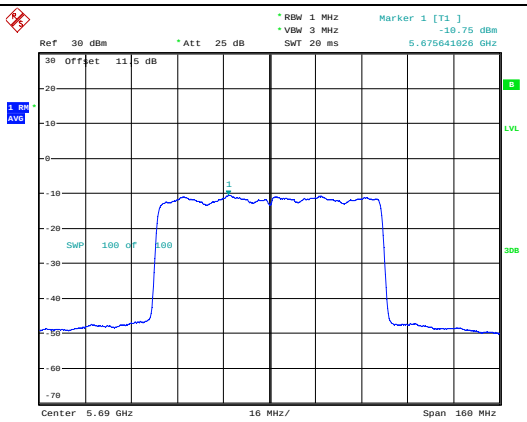
Maximum power spectral density	
802.11ax hew80 RU 26/0 Low Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 14:40:24
802.11ax hew80 RU 52/37 Low Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 14:41:36
802.11ax hew80 RU 106/53 Low Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 14:43:03

802.11ax hew80 RU 242/61 Low Channel	
802.11ax hew80 RU 484/65 Low Channel	
802.11ax hew80 996/67 Low Channel	

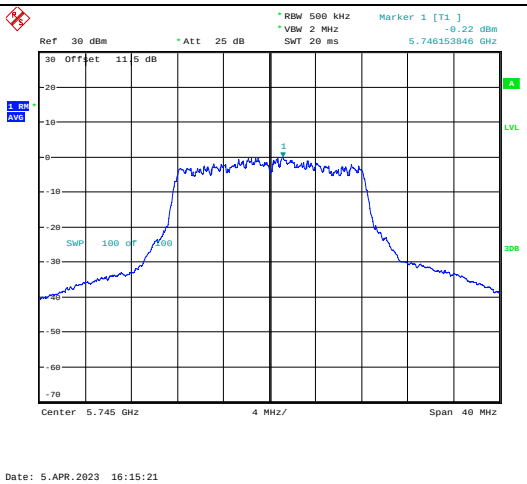
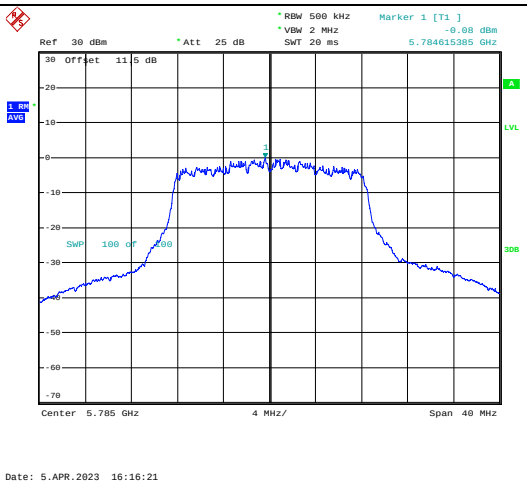
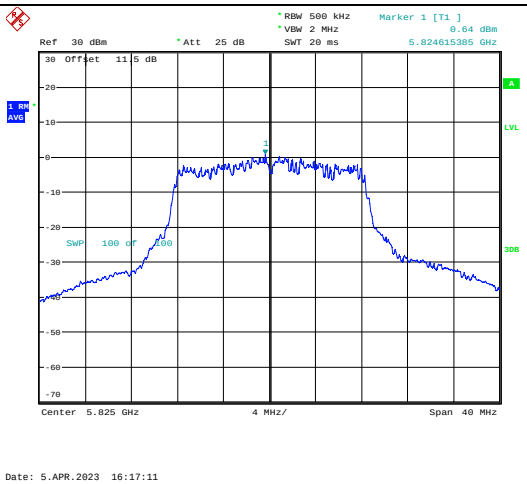
Maximum power spectral density	
802.11ax hew80 RU 26/36 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 16:21:17
802.11ax hew80 RU 52/52 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 16:20:18
802.11ax hew80 RU 106/60 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 16:19:06

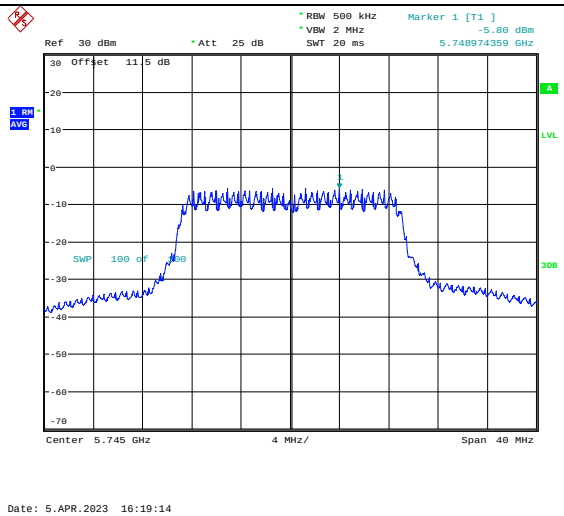
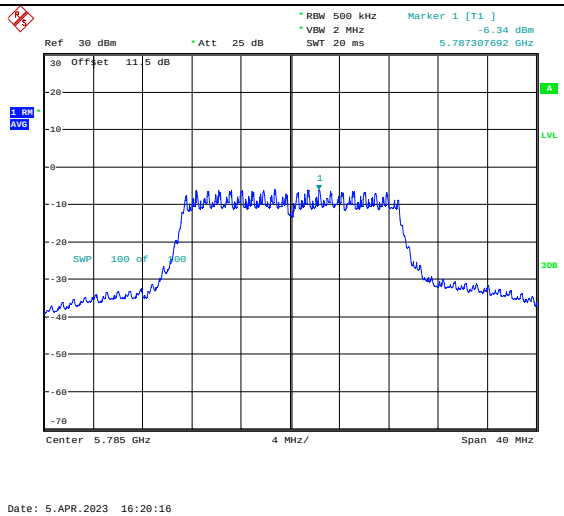
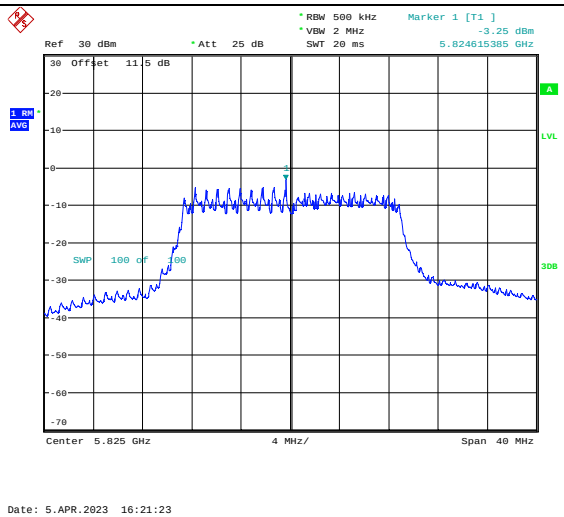
802.11ax hew80 RU 242/64 High Channel	
802.11ax hew80 RU 484/66 High Channel	
802.11ax hew80 996/67 High Channel	

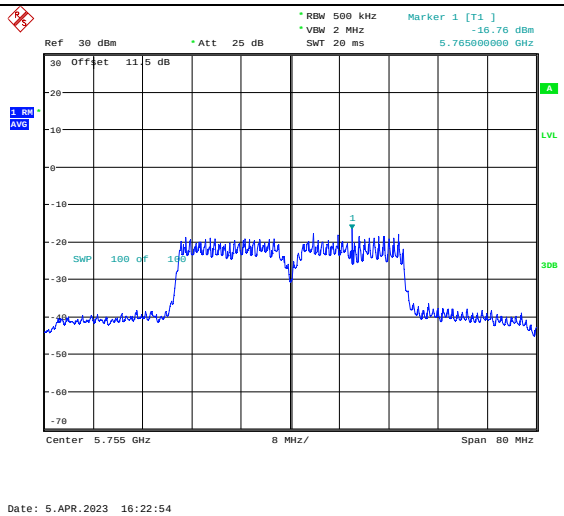
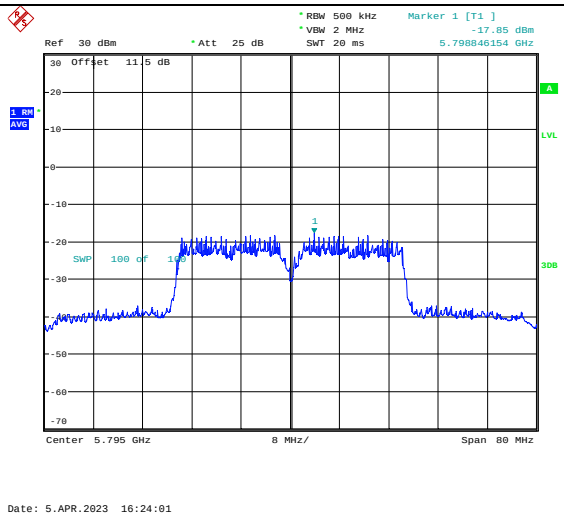
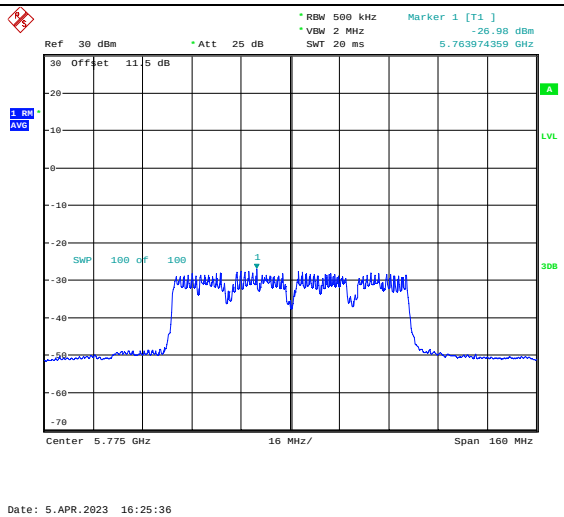
Maximum power spectral density	
802.11ax hew80 RU 26/36 5690MHz	
802.11ax hew80 RU 52/52 5690MHz	
802.11ax hew80 RU 106/60 5690MHz	

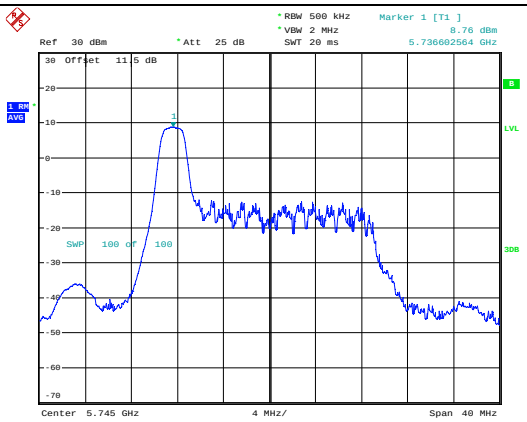
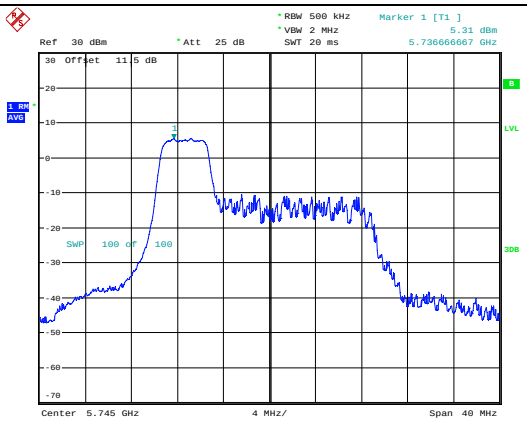
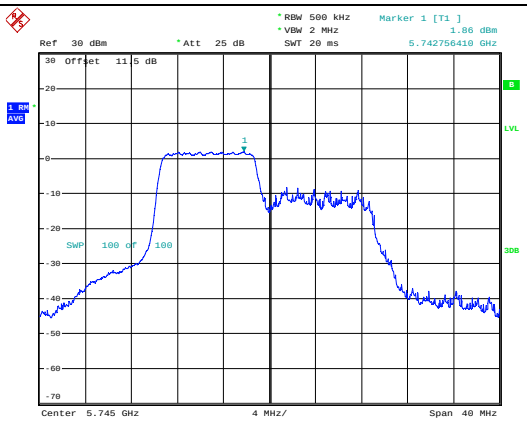
802.11ax hew80 RU 242/64 5690MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 14:09:38
802.11ax hew80 RU 484/66 5690MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 14:07:05
802.11ax hew80 996/67 5690MHz	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 14:04:59

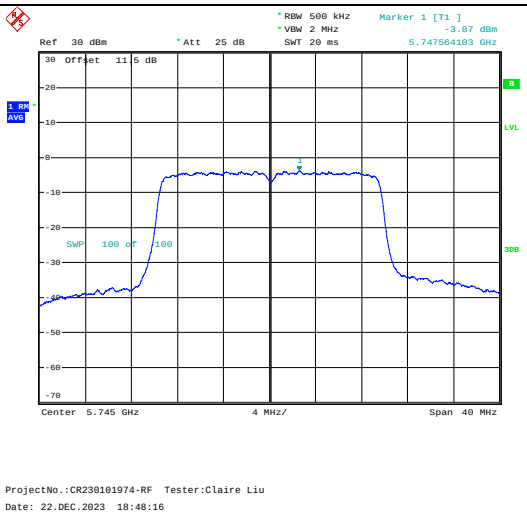
5725-5850MHz
Chain 0:

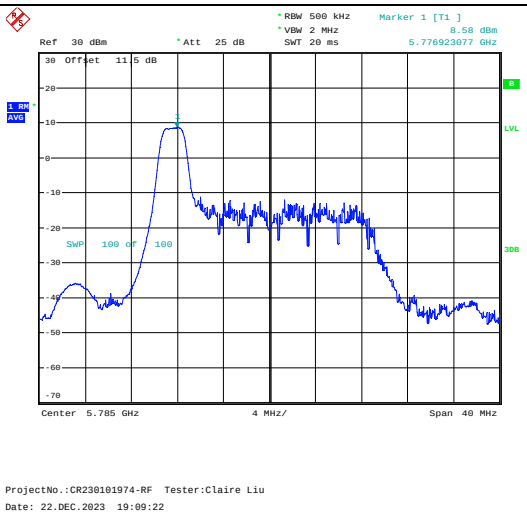
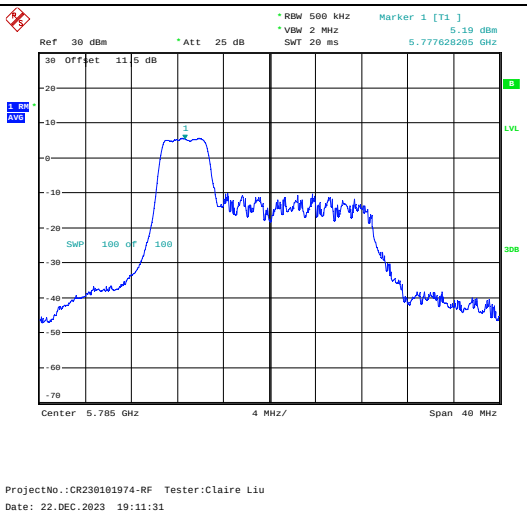
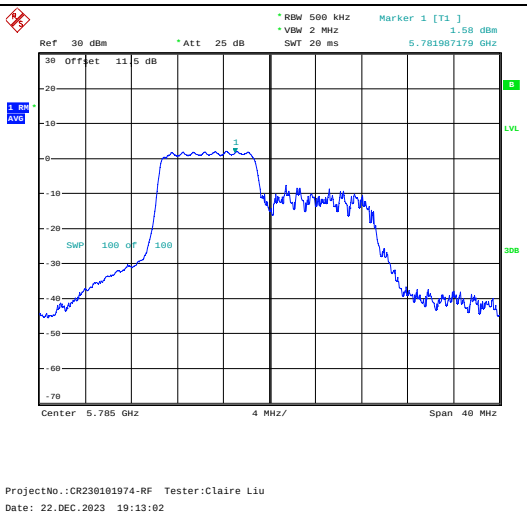
Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

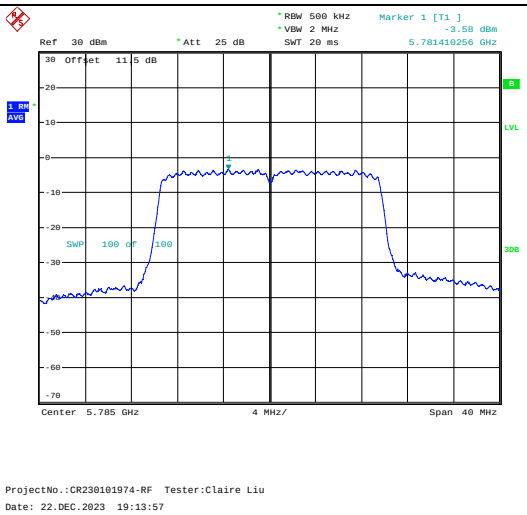
Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

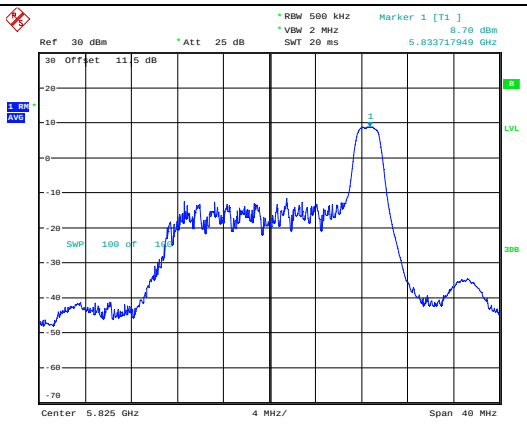
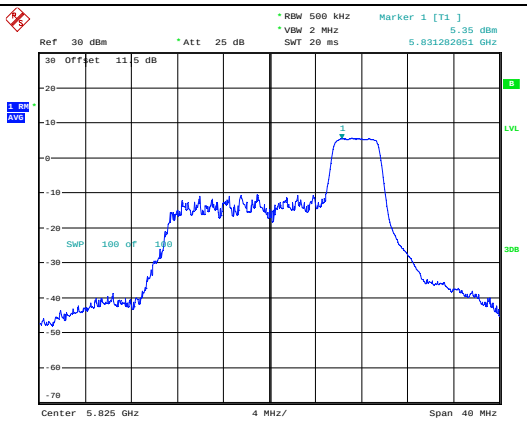
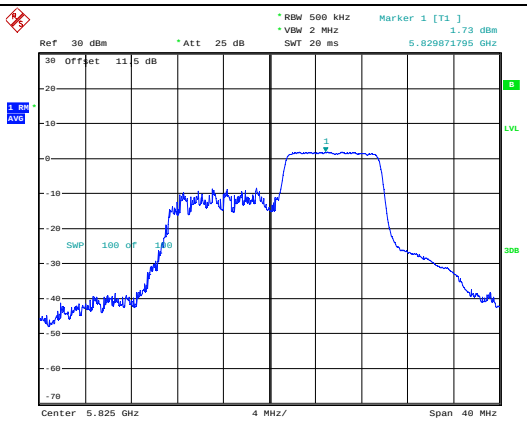
Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11 ac 80 Middle Channel	

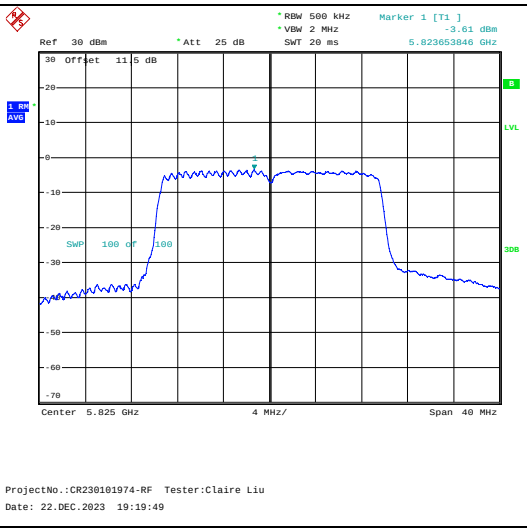
Maximum power spectral density	
802.11ax hew20 RU 26/0 Lowest Channel	
802.11ax hew20 RU 52/37 Lowest Channel	
802.11ax hew20 RU 106/53 Lowest Channel	

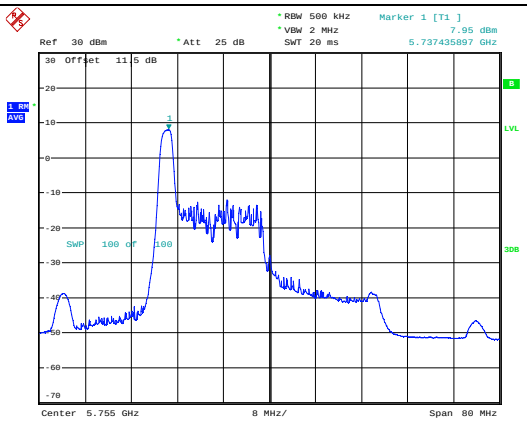
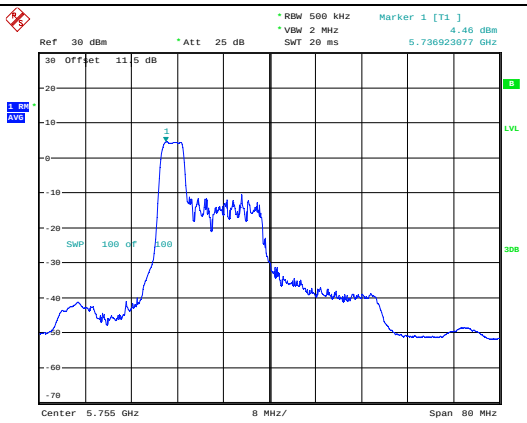
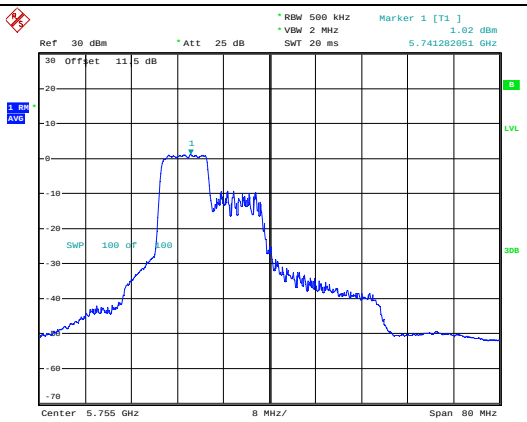
802.11ax hew20 RU 242/61 Lowest Channel	

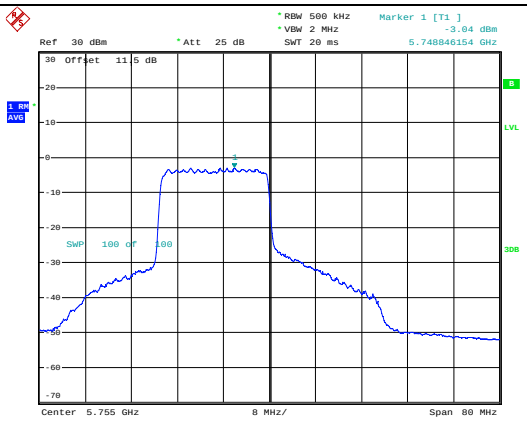
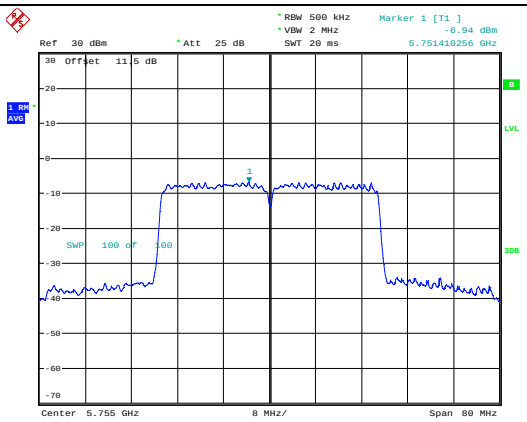
Maximum power spectral density	
802.11ax hew20 RU 26/0 Middle Channel	
802.11ax hew20 RU 52/37 Middle Channel	
802.11ax hew20 RU 106/53 Middle Channel	

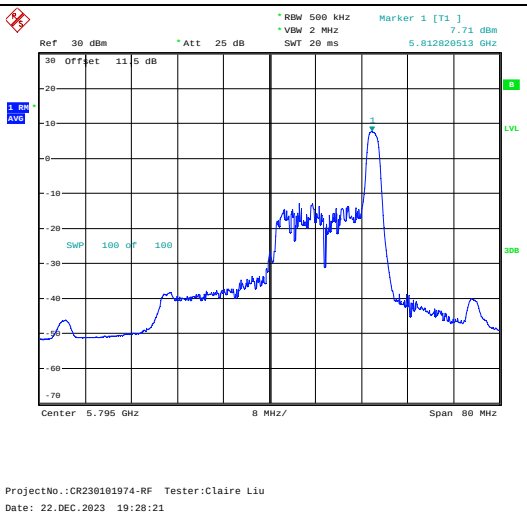
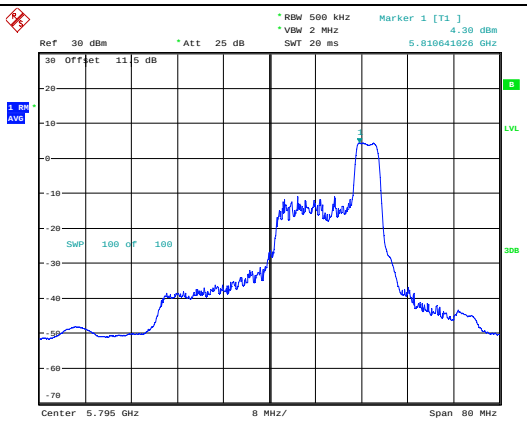
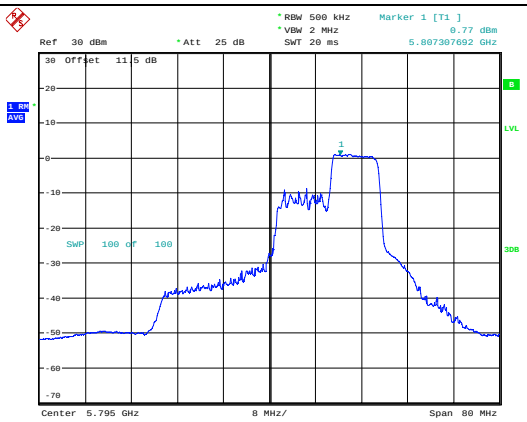
802.11ax hew20 RU 242/61 Middle Channel	

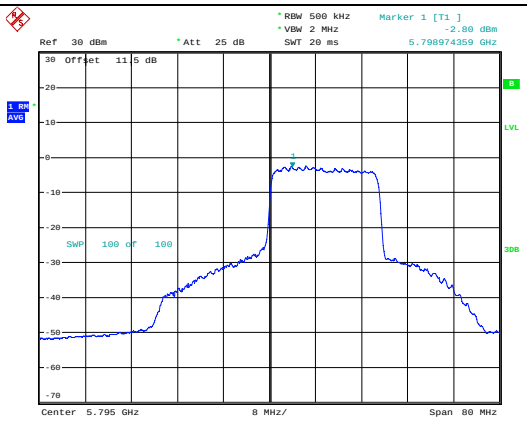
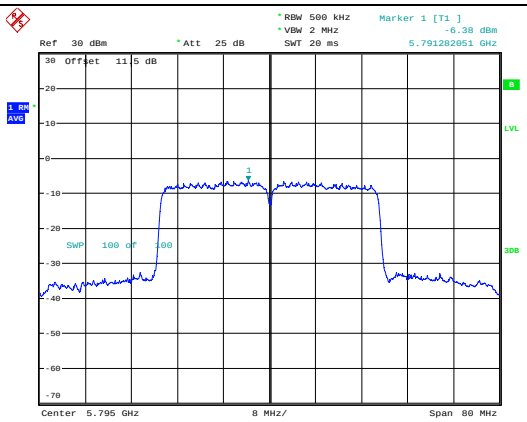
Maximum power spectral density	
802.11ax hew20 RU 26/8 High Channel	
802.11ax hew20 RU 52/40 High Channel	
802.11ax hew20 RU 106/54 High Channel	

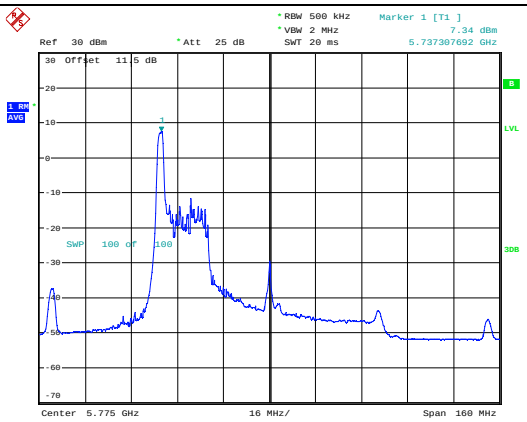
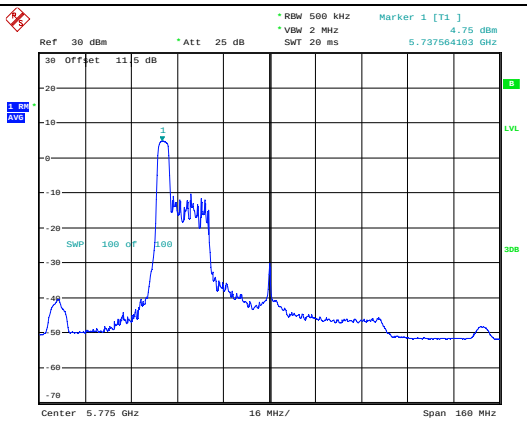
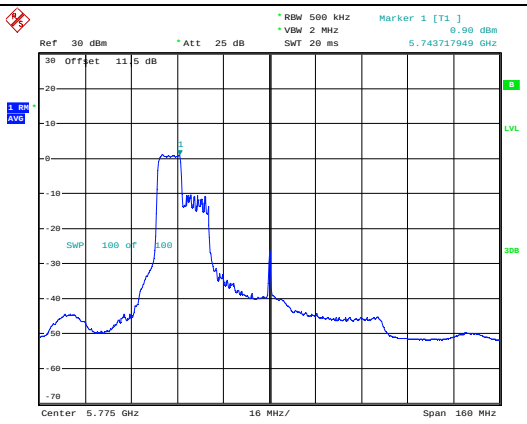
802.11ax hew20 RU 242/61 High Channel	

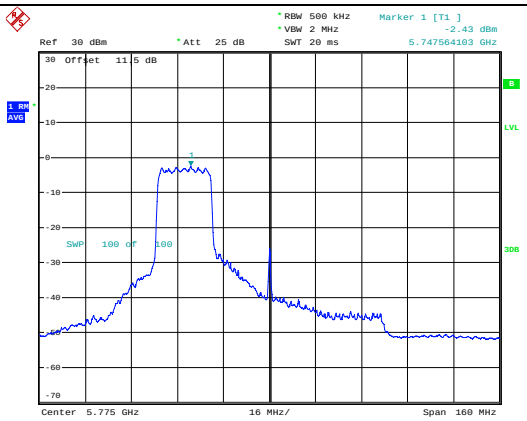
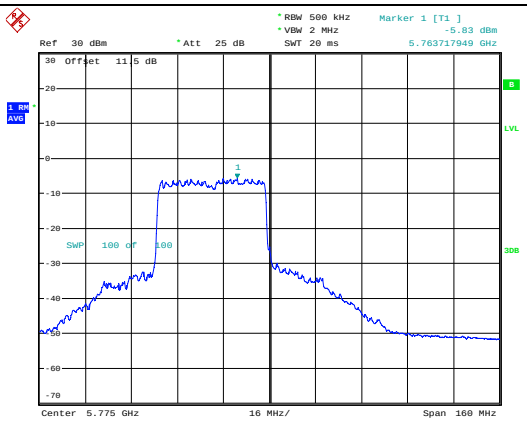
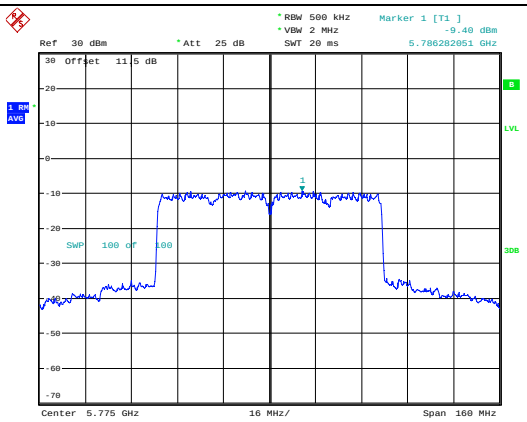
Maximum power spectral density	
802.11ax hew40 RU 26/0 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:22:40
802.11ax hew40 RU 52/37 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:23:35
802.11ax hew40 RU 106/53 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:24:31

802.11ax hew40 RU 242/61 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:25:35
802.11ax hew40 RU 484/65 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:26:48

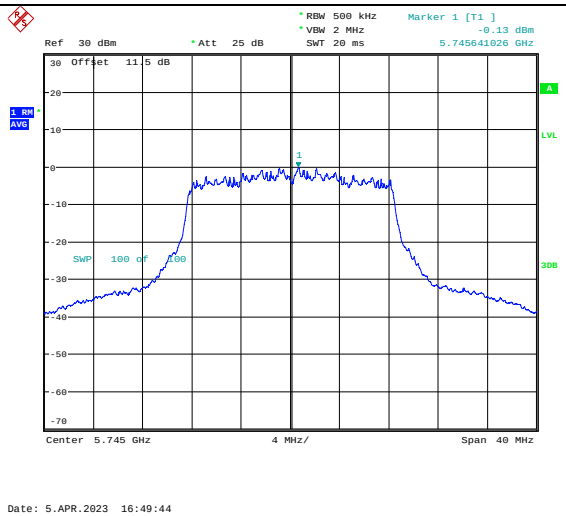
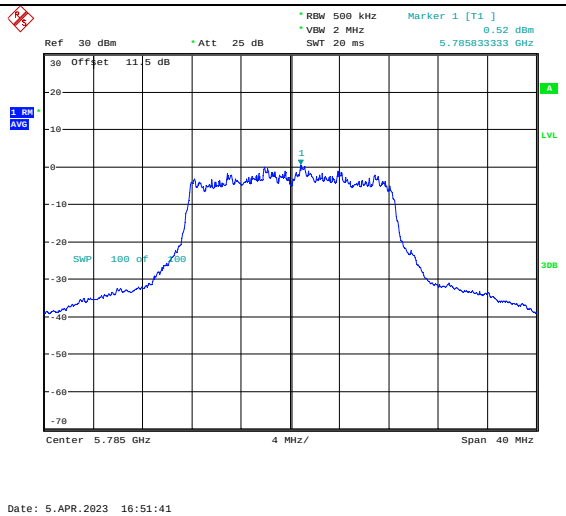
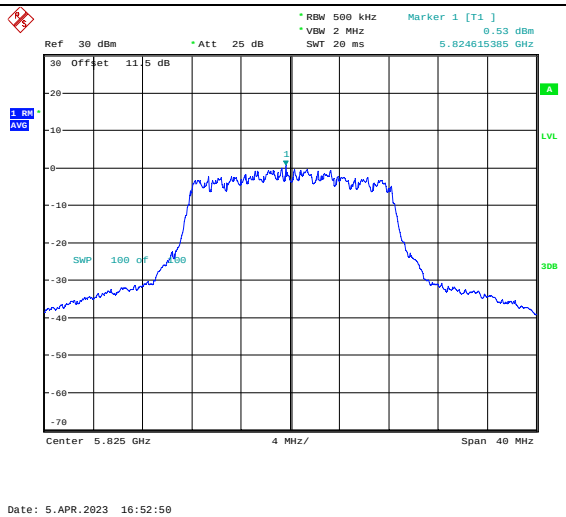
Maximum power spectral density	
802.11ax hew40 RU 26/17 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:28:21
802.11ax hew40 RU 52/44 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:31:11
802.11ax hew40 RU 106/56 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:34:03

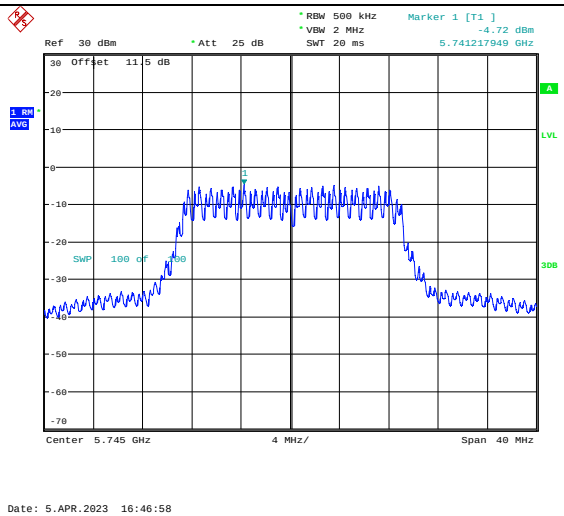
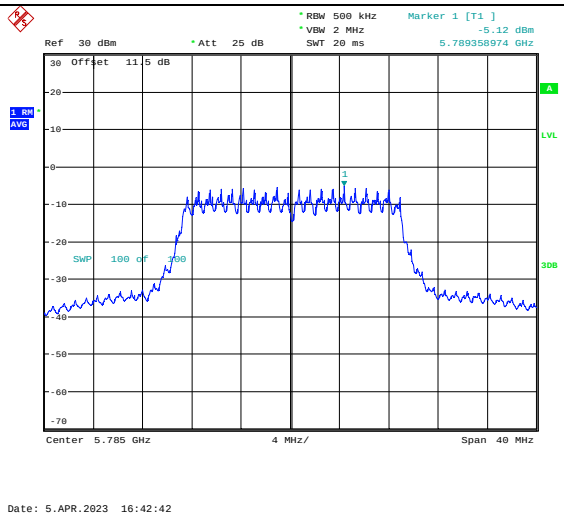
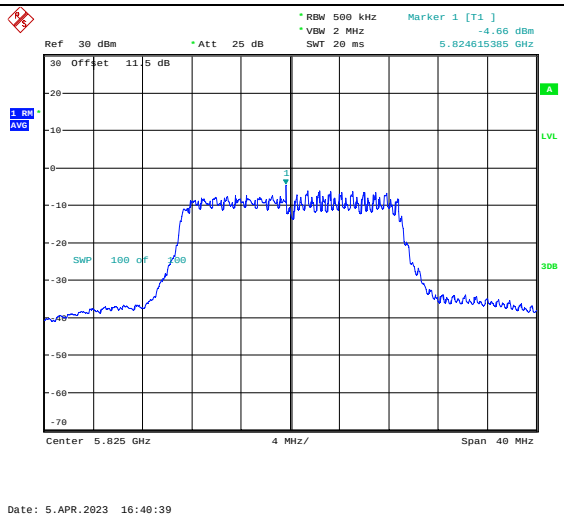
802.11ax hew40 RU 242/62 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:35:02
802.11ax hew40 RU 484/65 High Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:36:00

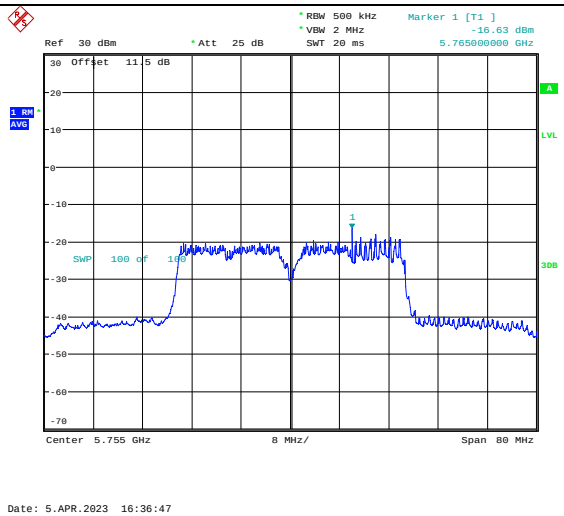
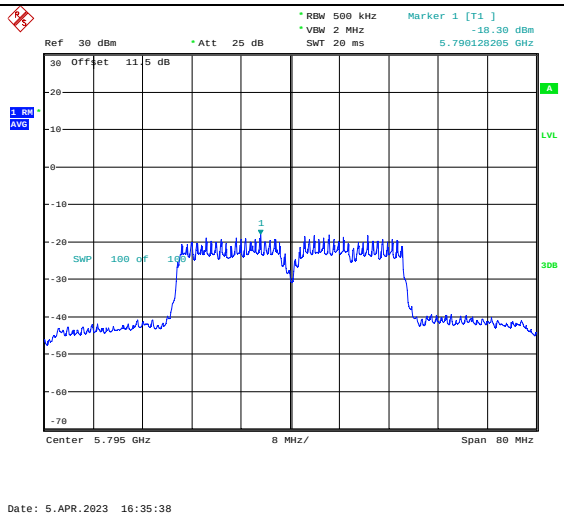
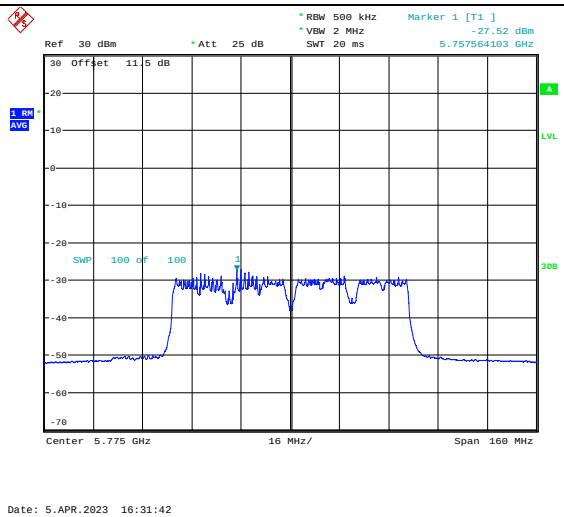
Maximum power spectral density	
802.11ax hew80 RU 26/0 Middle Channel	
802.11ax hew80 RU 52/37 Middle Channel	
802.11ax hew80 RU 106/53 Middle Channel	

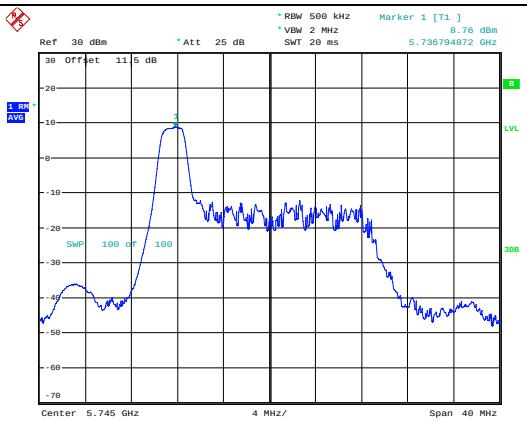
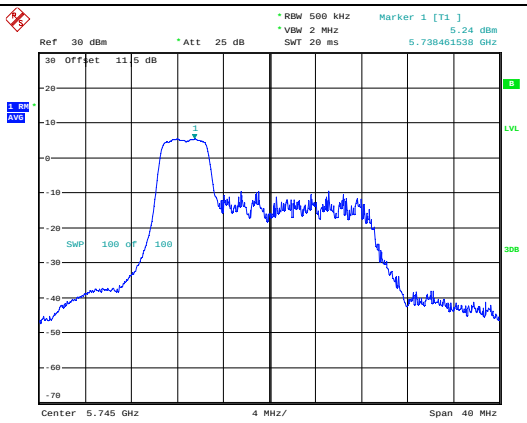
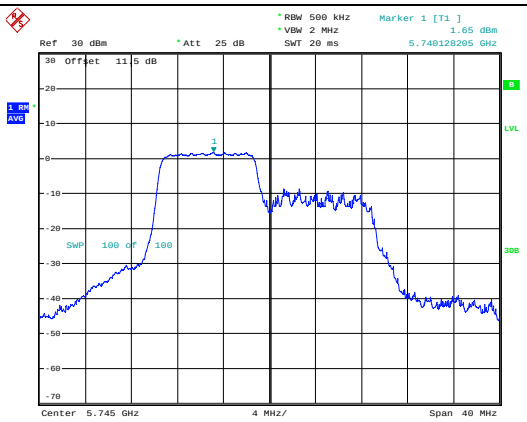
802.11ax hew80 RU 242/61 Middle Channel	
802.11ax hew80 RU 484/65 Middle Channel	
802.11ax hew80 RU 996/67 Middle Channel	

Chain 1:

Maximum power spectral density	
802.11a Lowest Channel	
802.11a Middle Channel	
802.11a Highest Channel	

Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Highest Channel	
802.11 ac 80 Middle Channel	

Maximum power spectral density	
802.11ax hew20 RU 26/0 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:55:11
802.11ax hew20 RU 52/37 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:56:58
802.11ax hew20 RU 106/53 Lowest Channel	 ProjectNo.:CR230101974-RF Tester:Claire Liu Date: 22.DEC.2023 19:58:10