

FCC Test Report

Report No: WD-RF-R-240108-D1

Product Name : Daylight
Model Name : DC1
FCC ID : 2BFTUDC1
Applicant : Daylight Computer Co.
Received Date : Mar. 20, 2024
Tested Date : Apr. 15, 2024 ~ Jun. 28, 2024
Applicable Standard : 47 CFR FCC Part 15, Subpart E (Section 15.407)
789033 D02 General U-NII Test Procedures New Rules v02r01
ANSI C63.10 : 2013



Wendell Industrial Co., Ltd
Wendell EMC & RF Laboratory

Caution:

This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment.

Please note that the measurement uncertainty are provided for informational purpose only and are not used in determining the Pass/Fail results.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of Wendell Industrial Co., Ltd..

Test Report

Issued Date: September 03, 2024

Project No.: 24Q031903

Product Name	Daylight
Trade Name	Daylight Computer Co.
Model Name	DC1
FCC ID	2BFTUDC1
Applicant	Daylight Computer Co.
Manufacturer	Daylight Computer Co.
EUT Rated Voltage	5Vdc/3A or 9Vdc/3A or 12Vdc/2.5A
EUT Test Voltage	AC 120V / 60Hz
EUT Supports Radios Application	WLAN 802.11a/b/g WLAN 802.11n(HT20/40) WLAN 802.11ac(VHT20/40/80/160) and ax(HE20/40/80/160) Bluetooth BR/EDR/LE
Applicable Standard	47 CFR FCC Part 15, Subpart E (Section 15.407) 789033 D02 General U-NII Test Procedures New Rules v02r01 ANSI C63.10 : 2013
Output Power	5.18 ~ 5.24 GHz: 9.66 dBm 5.26 ~ 5.32 GHz: 9.65 dBm 5.50 ~ 5.72 GHz: 8.88 dBm 5.745 ~ 5.825 GHz: 10.64 dBm
Test Result	Complied

Documented :



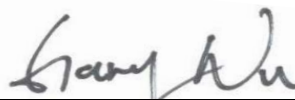
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Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs

Document Revision History

Report No.	Issue date	Description
WD-RF-R-240108-D0	June 28, 2024	Initial report
WD-RF-R-240108-D1	September 03, 2024	Correction of Power Values and Update of Data.

Summary of Test Result

Ref. Std. Clause	Test Items	Result
15.407(a)	26dB Bandwidth	Pass
15.407(e)	6dB Bandwidth	Pass
--	99% Occupied Bandwidth	Pass
15.407(a)	Maximum Conducted Output Power	Pass
15.407(a)	Power Spectral Density	Pass
15.407(b) 15.209	Unwanted Emissions	Pass
15.407(g)	Frequency Stability	Pass
15.207	AC Conducted Emission	Pass
15.203 15.407(a)	Antenna Requirement	Pass

1 Generation Information

1.1 Applicant

Daylight Computer Co.
4431 Caren St., Fremont, CA 94538 USA

1.2 Manufacturer

Daylight Computer Co.
4431 Caren St., Fremont, CA 94538 USA

1.3 Description of Equipment under Test

Product Name	Daylight
Model No.	DC1
FCC ID	2BFTUDC1
Frequency Range	802.11a/n-HT20/ac-VHT20/ax-HE20: 5180~5240MHz, 5260~5320MHz, 5500~5700MHz, 5745~5825MHz 802.11n-HT40/ac-VHT40/ax-HE40: 5190~5230MHz, 5270~5310MHz, 5510~5670MHz, 5755~5795MHz 802.11ac-VHT80/ax-HE80: 5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5775MHz 802.11ac-VHT160/ax-HE160: 5250 MHz, 5570 MHz
Number of Channels	802.11a/n/ac/ax-20MHz: 24 802.11n/ac/ax-40MHz: 11 802.11ac/ax-80MHz: 5 802.11ac/ax-160MHz: 2
Data Rate	802.11a : 6M - 54 Mbps 802.11n : up to 150 Mbps 802.11ac : up to 866.7 Mbps 802.11ax : up to 1201Mbps
Type of Modulation	802.11a/n/ac: OFDM (BPSK, QPSK, 16~256QAM) 802.11ax: OFDMA (BPSK, QPSK, 16~1024QAM)
Antenna Information	Refer to the table "Antenna List"
EUT Supports Radios Application	WLAN 802.11a/b/g WLAN 802.11n(HT20/40) WLAN 802.11ac(VHT20/40/80/160) and ax(HE20/40/80/160) Bluetooth BR/EDR/LE
EUT Rated Voltage	5Vdc/3A or 9Vdc/3A or 12Vdc/2.5A

EUT Test Voltage	AC 120V / 60Hz
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Antenna List

No.	Manufacturer	Model No.	Antenna Type	Peak Gain
1	InnoComm Mobile Technology Corp.	Jagar	PIFA Antenna	1.98 dBi for 5.15 ~ 5.25 GHz 1.98 dBi for 5.25 ~ 5.35 GHz 1.98 dBi for 5.47 ~ 5.725 GHz 1.98 dBi for 5.725 ~ 5.85 GHz

Remark: The antenna of EUT is conforming to FCC 15.203

Test Frequencies in each operating band

Frequency range over which the device operates in each operating band (Note 1)	Number of test frequencies required	Location of test frequencies inside the operating frequency range (Note 1,2)
≤ 1 MHz	1	near center
> 1 MHz and ≤ 10 MHz	2	1 near high end, 1 near low end
> 10 MHz	3	1 near high end, 1 near center, and 1 near low end

Note 1: The frequency range over which the device operates in a given operating band is the difference between the highest and lowest frequencies on which the device can be tuned within that given operating band. The frequency range can be smaller than or equal to the operating band, but cannot be greater than the operating band.

Note 2: In the third column of table 1, “near” means as close as possible to or at the center / low end / high end of the frequency range over which the device operates.

Channel List

802.11a/n/ac/ax HT20/VHT20/HE20					
Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	100	5500	132	5660
40	5200	104	5520	136	5680
44	5220	108	5540	140	5700
48	5240	112	5560	149	5745
52	5260	116	5580	153	5765
56	5280	120	5600	157	5785
60	5300	124	5620	161	5805
64	5320	128	5640	165	5825
802.11n/ac/ax HT40/VHT40/HE40					
Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
38	5190	102	5510	134	5670
46	5230	110	5550	151	5755
54	5270	118	5590	159	5795
62	5310	126	5630	--	--
802.11ac/ax VHT80/HE80					
Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
42	5210	106	5530	155	5775
58	5290	122	5610	--	--
802.11ac/ax VHT160/HE160					
Channel	Frequency(MHz)	Channel	Frequency(MHz)	Channel	Frequency(MHz)
50	5250	114	5570	--	--

Firmware / Software Version

1	Product Name	Daylight
2	Model No.	DC1
3	Test SW Version	CMD Ver 10.0.22631.3447
4	RF power setting in TEST SW	☐ RF power setting was not able to alter during testing. ☒ RF power setting was able to alter during testing. (See the following table)

Parameters of test software setting

Type of Modulation	Channel	Frequency (MHz)	Set Value	
			Chain A	Chain B
802.11a	36	5180	10	--
	40	5200	10	--
	48	5240	11	--
	52	5260	10	--
	60	5300	10	--
	64	5320	10	--
	100	5500	10	--
	116	5580	10	--
	140	5700	9	--
	149	5745	11	--
	157	5785	11	--
	165	5825	11	--
802.11ac(VHT20)	36	5180	10	--
	40	5200	10	--
	48	5240	11	--
	52	5260	10	--
	60	5300	10	--
	64	5320	10	--
	100	5500	10	--
	116	5580	10	--
	140	5700	9	--
	149	5745	11	--
	157	5785	11	--
	165	5825	11	--
802.11ac(VHT40)	38	5190	10	--

	46	5230	11	--
	54	5270	10	--
	62	5310	10	--
	102	5510	10	--
	110	5550	10	--
	134	5670	10	--
	151	5755	12	--
	159	5795	12	--
802.11ac(VHT80)	42	5210	14	--
	58	5290	14	--
	106	5530	14	--
	122	5610	14	--
	155	5775	13	--
802.11ac(VHT160)	50	5250	13	--
	114	5570	13	--
802.11ax(HE20)	36	5180	10	--
	40	5200	9	--
	48	5240	11	--
	52	5260	10	--
	60	5300	10	--
	64	5320	10	--
	100	5500	9	--
	116	5580	10	--
	140	5700	9	--
	149	5745	13	--
	157	5785	13	--
	165	5825	13	--
802.11ax(HE40)	38	5190	11	--
	46	5230	13	--
	54	5270	13	--
	62	5310	13	--
	102	5510	11	--
	110	5550	11	--
	134	5670	10	--
	151	5755	13	--
	159	5795	13	--

802.11ax(HE80)	42	5210	10	--
	58	5290	11	--
	106	5530	10	--
	122	5610	10	--
	155	5775	12	--
802.11ax(HE160)	50	5250	11	--
	114	5570	10	--

1.4 Test Mode Applicability And Tested Channel Detail

1. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports.
2. The EUT has been pre-tested under the following : Battery Mode, USB Mode_ Cable1, USB Mode_ Cable2. USB Mode_ Cable1 was the worst case for final test. After laboratory evaluation, the worst mode must be found by pre-test results of radiation 30M-1GHz and AC power conduction.
3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
4. Lowest data rates are tested in each mode. Only worst case is shown in the report.
(802.11a is 6Mbps、 802.11ac/ax-20BW/40BW/80BW/160BW is MCS0)
5. The spectrum plot against conducted item only shows the worst case.
6. 802.11ac VHT20 and VHT40 mode are different from 802.11n HT20 and HT40 only in control messages, so for these 4 modes, only 802.11ac VHT20 and VHT40 worst case power modes radiated emission test data are recorded in the report.
7. The worst case was found when positioned on X axis for radiated emission. Following test modes were selected for the final test, and the final worst case is recorded in the report:

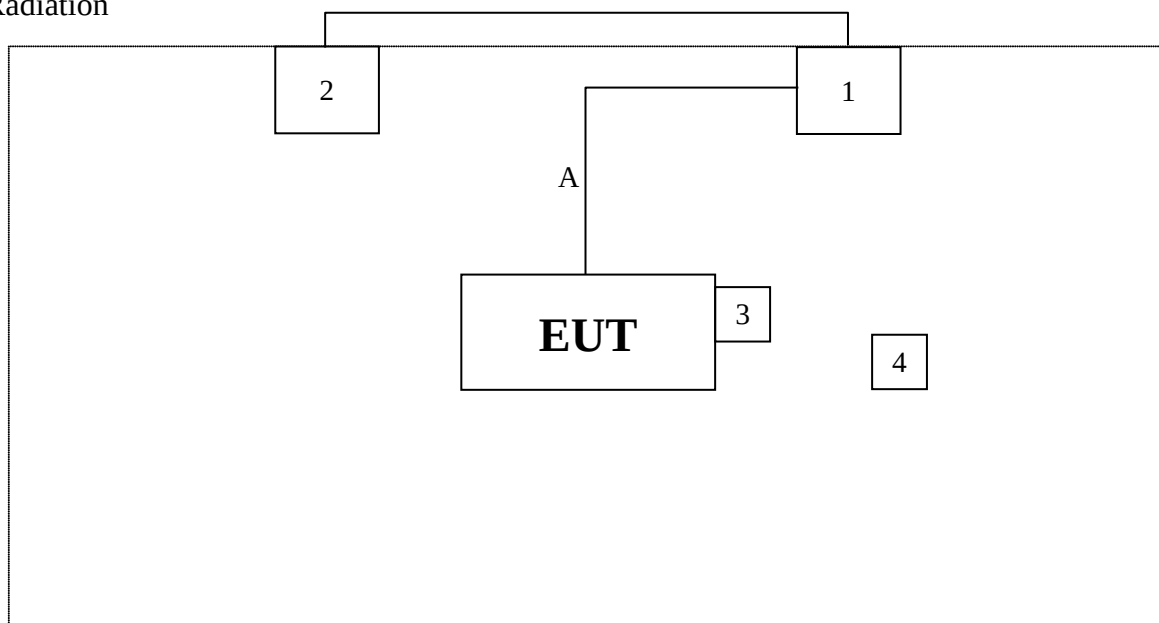
EUT Configure Mode	RE < 1G	RE ≥ 1G	ACM	ACP
Mode 1 : Transmit (802.11a 6Mbps)	☒	☒	☒	☐
Mode 2 : Transmit (802.11ac VHT20 MCS0)	☐	☒	☒	☐
Mode 3 : Transmit (802.11ac VHT40 MCS0)	☐	☒	☒	☐
Mode 4 : Transmit (802.11ac VHT80 MCS0)	☐	☒	☒	☐
Mode 5 : Transmit (802.11ac VHT160 MCS0)	☐	☒	☒	☐
Mode 6 : Transmit (802.11ax HE20M MCS0)	☐	☒	☒	☐
Mode 7 : Transmit (802.11ax HE40M MCS0)	☐	☒	☒	☐
Mode 8 : Transmit (802.11ax HE80M MCS0)	☐	☒	☒	☐
Mode 9 : Transmit (802.11ax HE160M MCS0)	☐	☒	☒	☐
Mode 10 : Normal mode	☐	☐	☐	☒

Note : RE<1G: Radiated Emission below 1GHz
ACM: Antenna Port Conducted Measurement

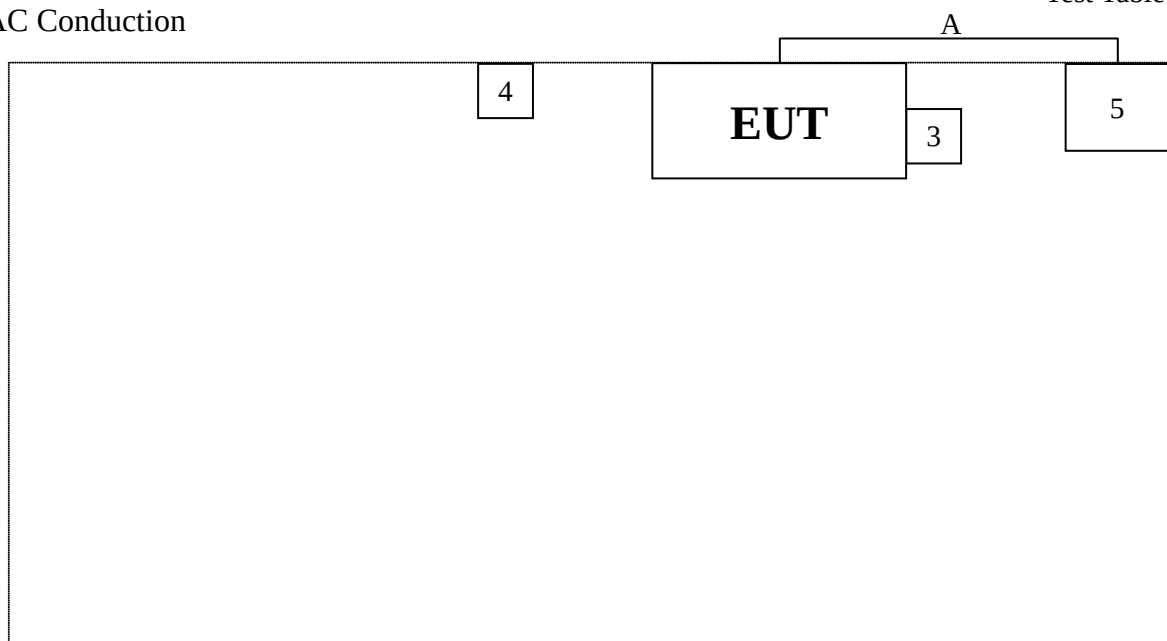
RE≥1G: Radiated Emission above 1GHz
ACP: AC Power Line Conducted Emission

1.5 Configuration of Tested System

Radiation



AC Conduction



Test Table

1.6 EUT Exercise Software

1. Setup the EUT as shown in Section 1.5
2. Execute software “CMD Ver 10.0.22631.3447”.
3. Configure the test mode, the test channel, and the data rate.
4. Press “OK” to start the continuous transmit.
5. Verify that the EUT works properly.

1.7 Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

No.	Product	Trademark	Model No.	Serial No.	Power Cord
1	Notebook PC	acer	N17W3	NXVJ7TA00302301D496600	N/A
2	Adapter	Acer	W15-045N4A	KP045H00694601969PH05	Non-shielded, 1 Core, 1.6m
3	SD Card& Micro SD Card	ADATA	MSC-2	N/A	N/A
4	STANDARD MR05 STYLUS PEN WHITE FOR TJG01	WACOM	CP-913E-01B-2	N/A	N/A
	FELT NIB PEN REFILLS BLACK FOR TJG01	WACOM	PSI-A265	N/A	N/A
5	Adapter	amazonbasics	B087MFDTL4 CAN	N/A	N/A
A	USB Cable (USB Mode_ Cable1)	Walta Electronic Co. Ltd	U10-W101-00001	N/A	Non-shielded, Non-Core, 1m
	USB Cable (USB Mode_ Cable2)	N/A	N/A	N/A	Non-shielded, Non-Core, 1m

The EUT uses following adapter

Trade Name	amazonbasics
Model No.	B087MFDTL4
Input Power	AC 100-240V~, 50/60Hz, max. 1.5A
Output Power	DC 5V/3A, 9V/3A, 15V/3A, 20V/3A
Power Line	N/A

Accessories :

No.	Product	Trademark	Model No.	Power Cord
4	STANDARD MR05 STYLUS PEN WHITE FOR TJG01	WACOM	CP-913E-01B-2	N/A
	FELT NIB PEN REFILLS BLACK FOR TJG01	WACOM	PSI-A265	N/A
A	USB Cable (USB Mode_ Cable1)	Walta Electronic Co. Ltd	U10-W101-00001	Non-shielded, Non-Core, 1m

1.8 Test Facility

Items	Required (IEC 60068-1)
Temperature (°C)	15-35
Humidity (% RH)	25-75
Barometric pressure (mbar)	860-1060

Description: Accredited by TAF

Accredited Number: 2965

Issued by: Wendell Industrial Co., Ltd

Company Address: 6F/6F-1, No.188, Baoqiao Rd., Xindian Dist.,
New Taipei City 23145, Taiwan R.O.C

Test Lab: Wendell EMC & RF Laboratory

Lab Address: 5F-1, No.188, Baoqiao Rd., Xindian Dist.,
New Taipei City 23145, Taiwan R.O.C

Test Location: No. 119, Wugong 3rd Rd., Wugu Dist.,
New Taipei City 248, Taiwan (R.O.C.)

Designation Number: TW0025

Test Firm Registration Number: 665221

1.9 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence (level based on a coverage factor K=2)

Measurement Project	Condition	Expended Uncertainty
AC Conducted Emission	0.150 ~ 30 MHz	± 2.64 dB
Radiated Emission	0.009 ~ 30 MHz	± 3.7 dB
	30 ~ 1000 MHz	± 3.9 dB
	1000 ~ 18000 MHz	± 4.5 dB
	18000 ~ 40000 MHz	± 4.3 dB
RF Power, Conducted	Conducted Measuring	± 0.75 dB
Occupied Bandwidth	Conducted Measuring	± 2.4 %
Power Density	Conducted Measuring	± 1.2 dB
Duty Cycle	Conducted Measuring	± 0.9 %
Frequency Stability	Conducted Measuring	± 0.062 ppm
DC Power Supply	--	± 2.0 %
Temperature	--	± 0.55 °C
Humidity	--	± 3.1 %

Note: Please note that the measurement uncertainty are provided for informational purpose only and are not used in determining the Pass/Fail results.

1.10 List of Test Equipment

For Conducted measurements / W08-Conducted Measurement

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
✓	Spectrum analyzer	Keysight	N9010A	SG50420005	2023/08/08	2024/08/07
✓	Wideband Peak Power Meter	Anritsu	ML2495A	1733007	2023/09/07	2024/09/06
✓	Pulse Power Sensor + Precision Adaptor	Anritsu	MA2411B	1726022	2023/09/07	2024/09/06
	Temperature Chamber	TAICHY	MHK-225LK	1061121	2024/04/19	2025/04/18
	Wireless Connectivity Tester	R&S	CMW270	101307	2023/05/29	2024/05/28
✓	Attenuator	MVE	MVE2211-10	CT-9-056	2022/08/10	2024/08/09
	Attenuator	MVE	MVE2211-20	CT-9-057	2022/08/10	2024/08/09
	Attenuator	MVE	MVE2211-30	CT-9-058	2022/08/10	2024/08/09
	Power Divider	MVE	MVE8546	170826003	2022/08/10	2024/08/09
	Power Splitter	MVE	MVE8547	170302047	2022/08/11	2024/08/10
	DC Power Supply	GW INSTEK	GPC-3060D	GER817636	2023/08/11	2024/08/10

Remark:

1. The equipments are calibrated every one year.
2. The Attenuator/ Divider/ Splitter are calibrated every two year.
3. The test instruments marked with “✓” are used to measure the final test results.

For AC Conduction measurements / W08-CE

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
✓	EMI Test Receiver	R&S	ESR3	102309	2023/06/19	2024/06/18
✓	2-Line V-Network LISN	R&S	ENV216	101185	2023/06/16	2024/06/15
✓	LISN	SCHWARZBECK	NSLK 8127RC	05028	2023/06/16	2024/06/15
✓	Transient Limiter	EM Electronics Corporation	EM-7600	857	2023/06/17	2024/06/16
✓	50ohm Cable	EMCI	EMCCFD300-BM-BM- 5000	170612	2023/06/17	2024/06/16
✓	50 ohm terminal impedance	HUBER+SUHNER	50 ohm terminal impedance	CT-1-109-1	2023/06/16	2024/06/15

Remark:

1. All equipments are calibrated every one year.
2. The test instruments marked with “✓” are used to measure the final test results.
3. Test Software version: FARAD EZ-EMC Ver.EMC-CON 3A1

For Radiated measurements / W08-996-2

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
✓	EMI Receiver	Keysight	N9038A	MY51210173	2023/08/18	2024/08/17
✓	Spectrum Analyzer	Keysight	N9010A	MY52220228	2023/08/18	2024/08/17
✓	Active Loop Antenna	Schwarzbeck	FMZB 1513-60B	00033	2024/05/02	2025/05/01
✓	TRILOG super broad Antenna	Schwarzbeck	VULB 9168	VULB 9168-700 & 20E03	2023/07/31	2024/07/30
✓	Horn Antenna	Schwarzbeck	BBHA 9120D	01767	2023/08/17	2024/08/16
✓	Horn Antenna	Schwarzbeck	BBHA 9170	703	2023/08/21	2024/08/20
✓	Pre-Amplifier	EM	EMC330	060774	2023/08/22	2024/08/21
✓	Pre-Amplifier	EMEC	EM01G18G	060648	2023/08/22	2024/08/21
✓	Pre-Amplifier	JPT	JPA0118-55-303K	1910001800055003	2023/08/22	2024/08/21
✓	Pre-Amplifier	EMCI	EMC184045SE	980515	2023/08/22	2024/08/21
✓	Cable	EMEC	EM-CB400	105060103	2023/08/22	2024/08/21
✓	Cable	EMEC	EM-CB400	105060102	2023/08/22	2024/08/21
✓	Cable	EMEC	EM-CB400	105060101	2023/08/22	2024/08/21
✓	RF Cable	HUBER+SUHNER	SF102	MY2752/2	2023/08/22	2024/08/21
✓	RF Cable	MVE	280280.LL266.1200	B60028C	2023/08/22	2024/08/21
✓	RF Cable	EMCI	EMC102-KM-KM-600	190646	2023/08/22	2024/08/21
✓	RF Cable	MVE	140140.LL404.700	B90014C	2023/08/22	2024/08/21
✓	RF Cable	MVE	140140.LL404.300	B90006C	2023/08/22	2024/08/21
	RF Filter	EMEC	BRF-2400-2500	002	2022/08/17	2024/08/16
✓	RF Filter	EMEC	BRF-5150-5350	104	2022/08/17	2024/08/16
✓	RF Filter	EMEC	BRF-5470-5725	092	2022/08/17	2024/08/16
✓	RF Filter	EMEC	BRF-5725-5875	091	2022/08/17	2024/08/16
	RF Filter	EMEC	HPF-2800	002	2022/08/17	2024/08/16
✓	RF Filter	EMEC	HPF-5850	059	2022/08/17	2024/08/16
	SMA Notch Filter	MVE	MFN-902.928.S1	190604001	2022/08/17	2024/08/16

Remark:

1. The equipments are calibrated every one year.
2. The Filter calibrated every two year.
3. The test instruments marked with “✓” are used to measure the final test results.
4. Test Software version: FARAD EZ-EMC Ver.WD-03A1-1

2 Test Result

2.1.1 Applicable Standard

For the band 5.15-5.25 GHz

- (1) For an outdoor access point operating:

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- (2) For an indoor access point operating:

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

- (3) For fixed point-to-point access points operating:

For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.

- (4) For client devices:

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.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

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.

For the band 5.725-5.85 GHz

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.

2.1.2 Antenna Connected Construction

Non-standard antenna connector is used.

2.1.3 Test Result

No.	Manufacturer	Model No.	Antenna Type	Peak Gain
1	InnoComm Mobile Technology Corp.	Jagar	PIFA Antenna	1.98 dBi for 5.15~5.25GHz 1.98 dBi for 5.25~5.35GHz 1.98 dBi for 5.47~5.725GHz 1.98 dBi for 5.725~5.85GHz

Description of the operating transmit modes :

- * 802.11a : Only one Antenna mode, this port is Ant-1
- * 802.11ac_VHT20 : Only one Antenna mode, this port is Ant-1
- * 802.11ac_VHT40 : Only one Antenna mode, this port is Ant-1
- * 802.11ac_VHT80 : Only one Antenna mode, this port is Ant-1
- * 802.11ax_HE20 : Only one Antenna mode, this port is Ant-1
- * 802.11ax_HE40 : Only one Antenna mode, this port is Ant-1
- * 802.11ax_HE80 : Only one Antenna mode, this port is Ant-1

Directional gain calculation :

- * B1_802.11a : Gain = 1.98 dBi $\leq$ 6dBi
- * B1_802.11ac_VHT20 : Gain = 1.98 dBi $\leq$ 6dBi
- * B1_802.11ac_VHT40 : Gain = 1.98 dBi $\leq$ 6dBi
- * B1_802.11ac_VHT80 : Gain = 1.98 dBi $\leq$ 6dBi
- * B1+B2A_802.11ac_VHT160 : Gain = 1.98 dBi $\leq$ 6dBi
- * B1_802.11ax_HE20 : Gain = 1.98 dBi $\leq$ 6dBi
- * B1_802.11ax_HE40 : Gain = 1.98 dBi $\leq$ 6dBi
- * B1_802.11ax_HE80 : Gain = 1.98 dBi $\leq$ 6dBi
- * B1+B2A_802.11ax_HE160 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2A_802.11a : Gain = 1.98 dBi $\leq$ 6dBi
- * B2A_802.11ac_VHT20 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2A_802.11ac_VHT40 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2A_802.11ac_VHT80 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2A_802.11ax_HE20 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2A_802.11ax_HE40 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2A_802.11ax_HE80 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2C_802.11a : Gain = 1.98 dBi $\leq$ 6dBi

- * B2C_802.11ac_VHT20 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2C_802.11ac_VHT40 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2C_802.11ac_VHT80 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2C_802.11ac_VHT160 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2C_802.11ax_HE20 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2C_802.11ax_HE40 : Gain = 1.98 dBi $\leq$ 6dBi
- * B1+B2A_802.11ax_HE80 : Gain = 1.98 dBi $\leq$ 6dBi
- * B2C_802.11ax_HE160 : Gain = 1.98 dBi $\leq$ 6dBi
- * B3_802.11a : Gain = 1.98 dBi $\leq$ 6dBi
- * B3_802.11ac_VHT20 : Gain = 1.98 dBi $\leq$ 6dBi
- * B3_802.11ac_VHT40 : Gain = 1.98 dBi $\leq$ 6dBi
- * B3_802.11ac_VHT80 : Gain = 1.98 dBi $\leq$ 6dBi
- * B3_802.11ax_HE20 : Gain = 1.98 dBi $\leq$ 6dBi
- * B3_802.11ax_HE40 : Gain = 1.98 dBi $\leq$ 6dBi
- * B3_802.11ax_HE80 : Gain = 1.98 dBi $\leq$ 6dBi

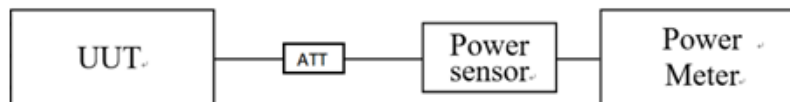
2.2 Output Power Measurement and Transmit Power Control

2.2.1 Limit

1. For frequency Band 5150~5250MHz:
 - (1) Outdoor access point : 1W (30 dBm)
 - (2) Indoor access point : 1W (30 dBm)
 - (3) Fixed point-to-point access point : 1W (30 dBm)
 - (4) Client device : 250mW (24 dBm)
 - (5) If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
2. For frequency Band 5250~5350MHz and 5470~5725MHz:
 - (1) 250mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth (MHz), whichever is lesser.
 - (2) If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. For frequency Band 5725~5850MHz:
 - (1) The maximum conducted output power over the frequency band of operation shall not exceed 1 W(30 dBm).
 - (2) 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.

Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

2.2.2 Test Setup



2.2.3 Test Procedure

1. Enable the EUT transmit continuously.
2. Let EUT be connected to the power meter, and record the max. reading.
3. Measurement using a gated RF average power meter, since this measurement is made only during the ON time of the transmitter, no duty cycle correction is required.

2.2.4 Test Result

Mode	Frequency (MHz)	Average power (dBm)			Limit (dBm)	Result
		Chain A	Chain B	Total		
802.11a	5180	9.43	--	--	≤ 24	Pass
	5200	9.66	--	--	≤ 24	Pass
	5240	9.45	--	--	≤ 24	Pass
	5260	9.65	--	--	≤ 24	Pass
	5300	9.51	--	--	≤ 24	Pass
	5320	9.54	--	--	≤ 24	Pass
	5500	8.88	--	--	≤ 24	Pass
	5580	8.73	--	--	≤ 24	Pass
	5700	8.31	--	--	≤ 24	Pass
	5745	10.14	--	--	≤ 30	Pass
	5785	10.64	--	--	≤ 30	Pass
	5825	10.54	--	--	≤ 30	Pass
802.11ac VHT20	5180	8.80	--	--	≤ 24	Pass
	5200	8.97	--	--	≤ 24	Pass
	5240	8.63	--	--	≤ 24	Pass
	5260	8.58	--	--	≤ 24	Pass
	5300	8.46	--	--	≤ 24	Pass
	5320	8.52	--	--	≤ 24	Pass
	5500	7.87	--	--	≤ 24	Pass
	5580	7.75	--	--	≤ 24	Pass
	5700	7.41	--	--	≤ 24	Pass
	5745	8.86	--	--	≤ 30	Pass
	5785	9.18	--	--	≤ 30	Pass
	5825	9.49	--	--	≤ 30	Pass
802.11ac VHT40	5190	8.19	--	--	≤ 24	Pass
	5230	7.76	--	--	≤ 24	Pass
	5270	7.84	--	--	≤ 24	Pass
	5310	7.77	--	--	≤ 24	Pass
	5510	7.16	--	--	≤ 24	Pass
	5550	7.60	--	--	≤ 24	Pass
	5670	7.67	--	--	≤ 24	Pass
	5755	9.16	--	--	≤ 30	Pass
	5795	9.45	--	--	≤ 30	Pass

802.11ac VHT80	5210	8.88	--	--	≤ 24	Pass
	5290	8.38	--	--	≤ 24	Pass
	5530	7.80	--	--	≤ 24	Pass
	5610	7.54	--	--	≤ 24	Pass
	5775	9.10	--	--	≤ 30	Pass
802.11ac VHT160	5250	6.53	--	--	≤ 24	Pass
	5570	5.69	--	--	≤ 24	Pass
802.11ax HE20	5180	8.82	--	--	≤ 24	Pass
	5200	7.95	--	--	≤ 24	Pass
	5240	8.48	--	--	≤ 24	Pass
	5260	8.59	--	--	≤ 24	Pass
	5300	8.67	--	--	≤ 24	Pass
	5320	8.61	--	--	≤ 24	Pass
	5500	7.02	--	--	≤ 24	Pass
	5580	7.60	--	--	≤ 24	Pass
	5700	7.57	--	--	≤ 24	Pass
	5745	7.94	--	--	≤ 30	Pass
	5785	8.13	--	--	≤ 30	Pass
	5825	8.58	--	--	≤ 30	Pass
802.11ax HE40	5190	8.56	--	--	≤ 24	Pass
	5230	7.64	--	--	≤ 24	Pass
	5270	8.84	--	--	≤ 24	Pass
	5310	8.82	--	--	≤ 24	Pass
	5510	7.60	--	--	≤ 24	Pass
	5550	7.94	--	--	≤ 24	Pass
	5670	7.26	--	--	≤ 24	Pass
	5755	9.62	--	--	≤ 30	Pass
	5795	8.25	--	--	≤ 30	Pass
802.11ax HE80	5210	8.14	--	--	≤ 24	Pass
	5290	8.62	--	--	≤ 24	Pass
	5530	7.27	--	--	≤ 24	Pass
	5610	6.90	--	--	≤ 24	Pass
	5775	9.16	--	--	≤ 30	Pass
802.11ax HE160	5250	8.78	--	--	≤ 24	Pass
	5570	7.14	--	--	≤ 24	Pass

Remark:

1. Average Power = Reading value on power meter + cable loss
2. $10 \log(X/\text{mW}) = \text{dBm}$, $X=1 \text{ watt}$ (Limit)
1 watt = 30 dBm
3. Section E) method 1) of power measurement of KDB 662911 is used for calculating total power.

2.2.5 Transmit Power Control

EUT doesn't support TPC function.

2.3 26dB Bandwidth, 6dB Bandwidth and 99% Occupied Bandwidth Measurement

2.3.1 Limit

Within 5725~5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz.

2.3.2 Test Setup



2.3.3 Test Procedure

1. The following procedure shall be used for measuring 6dB bandwidth:
 - (1) Enable the EUT transmit continuously.
 - (2) Set RBW = 100 kHz, VBW $\geq$ 3 RBW, Sweep = auto couple.
 - (3) Detector = Peak, Trace mode = max hold.
 - (4) 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.
2. The following procedure shall be used for measuring 26 dB bandwidth:
 - (1) Set RBW = approximately 1% of the emission bandwidth.
 - (2) Set the VBW > RBW, Detector = Peak, Trace mode = max hold
 - (3) 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 analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
3. The following procedure shall be used for measuring 99% power bandwidth:
 - (1) Set center frequency to the nominal EUT channel center frequency.
 - (2) Set span = 1.5 times to 5.0 times the OBW.
 - (3) Set RBW = 1% to 5% of the OBW.
 - (4) Set the VBW $\geq$ 3 RBW.
 - (5) 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.
 - (6) Use the 99% power bandwidth function of the instrument .

- (7) If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. 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% occupied bandwidth is the difference between these two frequencies.

2.3.4 Test Result

2.2.4.1 6dB Bandwidth

802.11a

Frequency (MHz)	6dB BW (MHz)		Limit (kHz)	Result
	Chain A	Chain B		
5745	13.92	--	> 500	Pass
5785	13.85	--	> 500	Pass
5825	13.91	--	> 500	Pass

802.11ac VHT20

Frequency (MHz)	6dB BW (MHz)		Limit (kHz)	Result
	Chain A	Chain B		
5745	11.70	--	> 500	Pass
5785	15.06	--	> 500	Pass
5825	15.14	--	> 500	Pass

802.11ac VHT40

Frequency (MHz)	6dB BW (MHz)		Limit (kHz)	Result
	Chain A	Chain B		
5755	32.67	--	> 500	Pass
5795	35.08	--	> 500	Pass

802.11ac VHT80

Frequency (MHz)	6dB BW (MHz)		limit (kHz)	Result
	Chain A	Chain B		
5775	73.93	--	> 500	Pass

802.11ax HE20

Frequency (MHz)	6dB BW (MHz)		Limit (kHz)	Result
	Chain A	Chain B		
5745	17.92	--	> 500	Pass
5785	18.17	--	> 500	Pass
5825	17.15	--	> 500	Pass

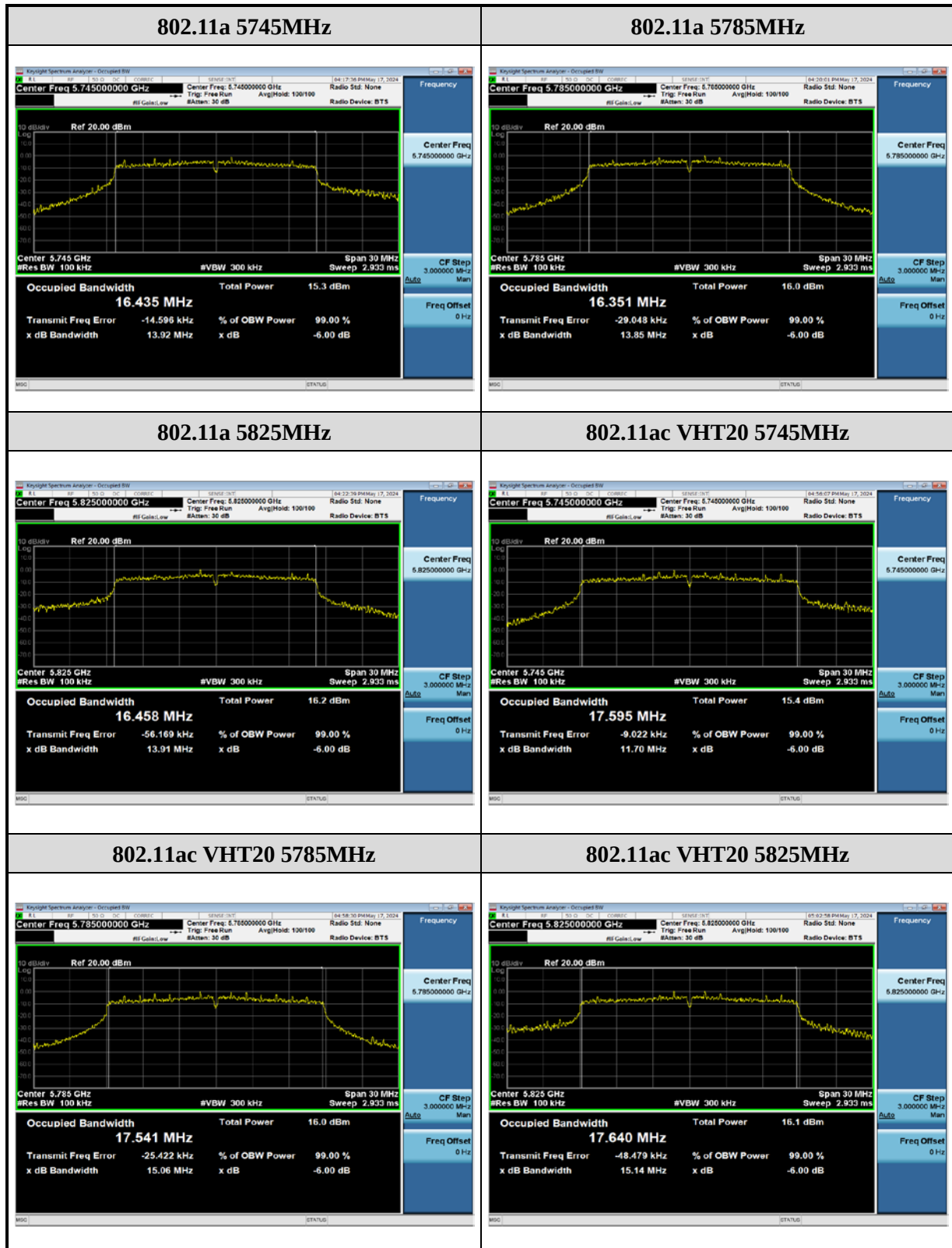
802.11ax HE40

Frequency (MHz)	6dB BW (MHz)		Limit (kHz)	Result
	Chain A	Chain B		
5755	34.81	--	> 500	Pass
5795	37.06	--	> 500	Pass

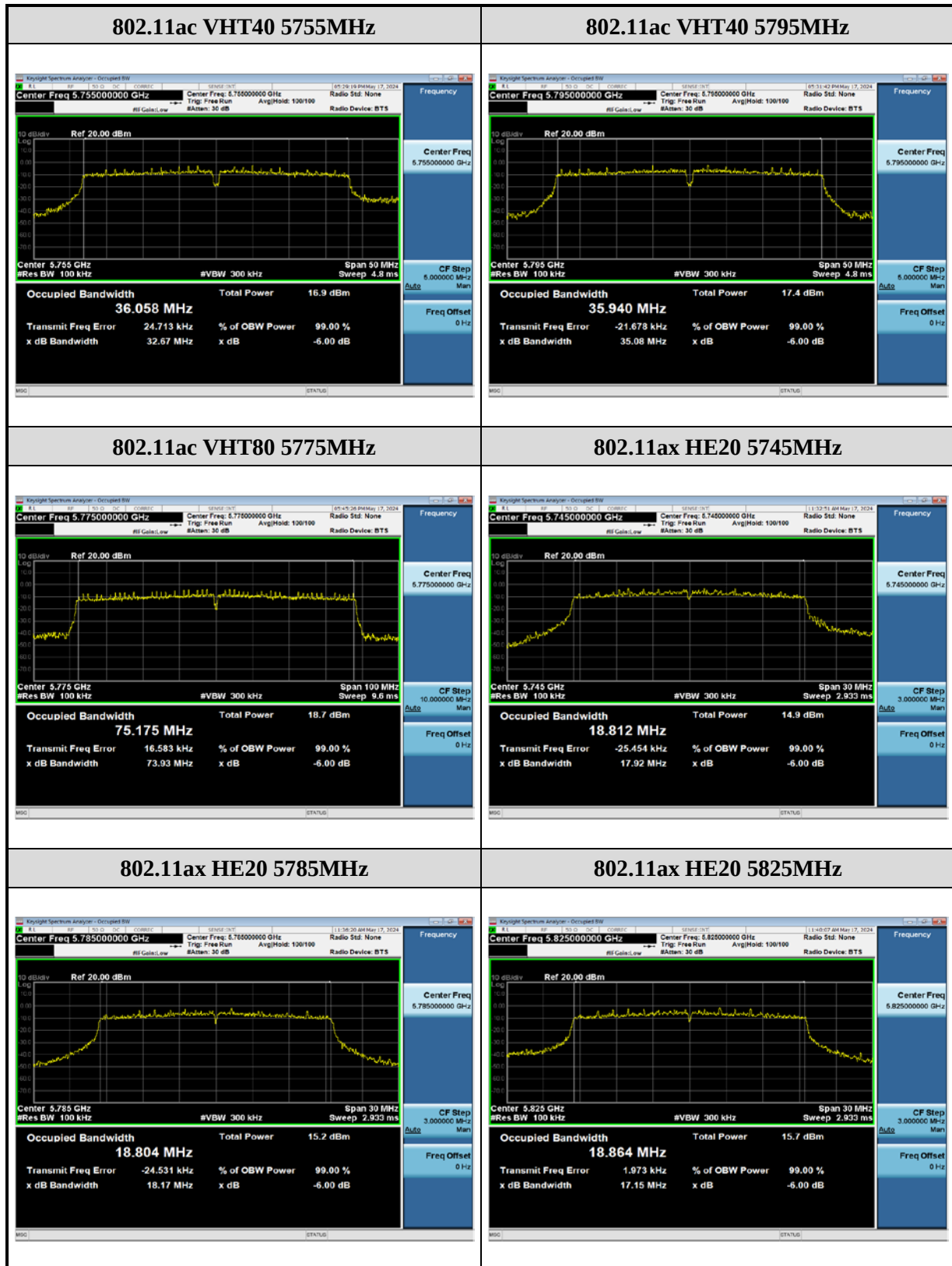
802.11ax HE80

Frequency (MHz)	6dB BW (MHz)		limit (kHz)	Result
	Chain A	Chain B		
5775	75.19	--	> 500	Pass

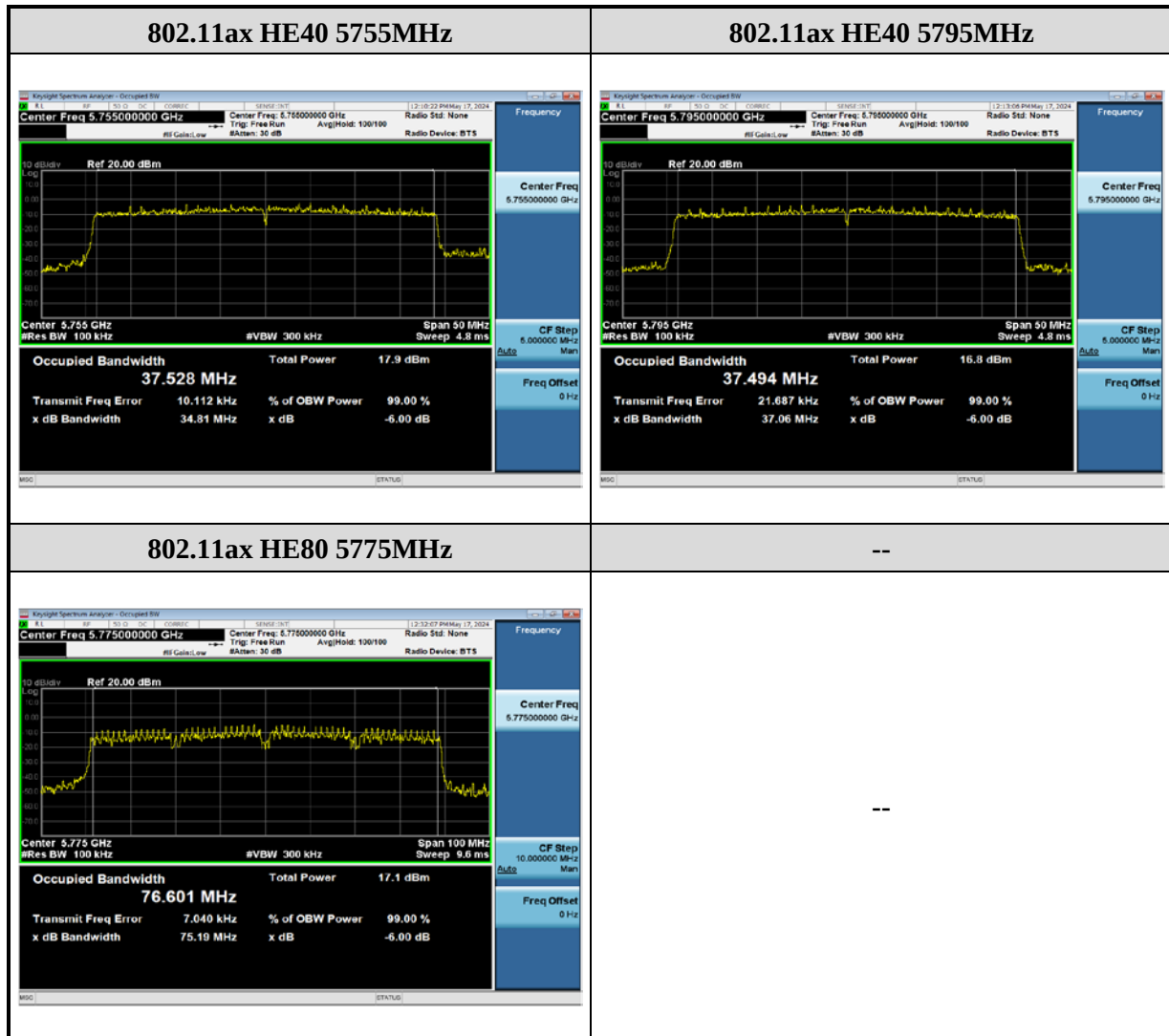
6dB spectrum plot of Chain A value:



6dB spectrum plot of Chain A value:



6dB spectrum plot of Chain A value:



2.2.4.2 26dB Bandwidth & 99% Occupied Bandwidth

802.11a

Frequency (MHz)	26dB BW (MHz)		99% OBW (MHz)		Limit (kHz)	Result
	Chain A	Chain B	Chain A	Chain B		
5180	24.100	--	--	--	--	--
5200	27.790	--	--	--	--	--
5240	19.630	--	--	--	--	--
5260	20.120	--	--	--	--	--
5300	28.320	--	--	--	--	--
5320	25.450	--	--	--	--	--
5500	24.350	--	--	--	--	--
5580	20.390	--	--	--	--	--
5700	27.330	--	--	--	--	--

802.11ac VHT20

Frequency (MHz)	26dB BW (MHz)		99% OBW (MHz)		Limit (kHz)	Result
	Chain A	Chain B	Chain A	Chain B		
5180	28.420	--	--	--	--	--
5200	29.280	--	--	--	--	--
5240	19.930	--	--	--	--	--
5260	20.410	--	--	--	--	--
5300	29.380	--	--	--	--	--
5320	27.820	--	--	--	--	--
5500	27.390	--	--	--	--	--
5580	20.330	--	--	--	--	--
5700	25.450	--	--	--	--	--

802.11ac VHT40

Frequency (MHz)	26dB BW (MHz)		99% OBW (MHz)		Limit (kHz)	Result
	Chain A	Chain B	Chain A	Chain B		
5190	57.020	--	--	--	--	--
5230	39.960	--	--	--	--	--
5270	40.100	--	--	--	--	--
5310	57.470	--	--	--	--	--
5510	57.820	--	--	--	--	--
5550	39.920	--	--	--	--	--
5670	65.060	--	--	--	--	--

802.11ac VHT80

Frequency (MHz)	26dB BW (MHz)		99% OBW (MHz)		Limit (kHz)	Result
	Chain A	Chain B	Chain A	Chain B		
5210	108.000	--	--	--	--	--
5290	101.200	--	--	--	--	--
5530	98.370	--	--	--	--	--
5610	80.280	--	--	--	--	--

802.11ac VHT160

Frequency (MHz)	26dB BW (MHz)		99% OBW (MHz)		Limit (kHz)	Result
	Chain A	Chain B	Chain A	Chain B		
5250	169.600	--	--	--	--	--
5570	171.400	--	--	--	--	--

802.11ax HE20

Frequency (MHz)	26dB BW (MHz)		99% OBW (MHz)		Limit (kHz)	Result
	Chain A	Chain B	Chain A	Chain B		
5180	20.670	--	--	--	--	--
5200	20.840	--	--	--	--	--
5240	19.760	--	--	--	--	--
5260	20.860	--	--	--	--	--
5300	21.060	--	--	--	--	--
5320	20.650	--	--	--	--	--
5500	20.900	--	--	--	--	--
5580	20.720	--	--	--	--	--
5700	21.230	--	--	--	--	--

802.11ax HE40

Frequency (MHz)	26dB BW (MHz)		99% OBW (MHz)		Limit (kHz)	Result
	Chain A	Chain B	Chain A	Chain B		
5190	39.490	--	--	--	--	--
5230	39.570	--	--	--	--	--
5270	39.510	--	--	--	--	--
5310	39.330	--	--	--	--	--
5510	39.390	--	--	--	--	--
5550	39.520	--	--	--	--	--
5670	39.260	--	--	--	--	--

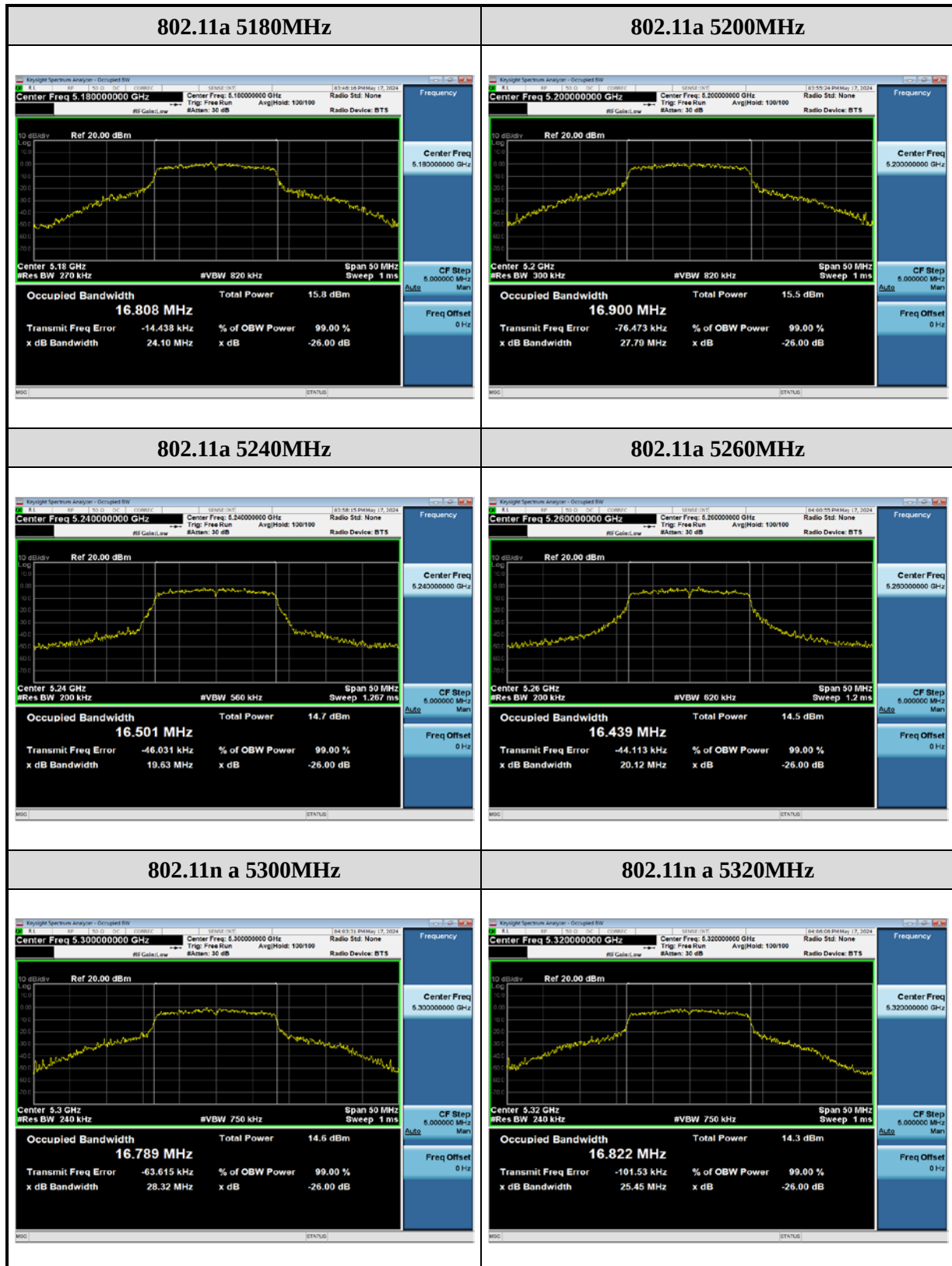
802.11ax HE80

Frequency (MHz)	26dB BW (MHz)		99% OBW (MHz)		Limit (kHz)	Result
	Chain A	Chain B	Chain A	Chain B		
5210	82.380	--	--	--	--	--
5290	82.110	--	--	--	--	--
5530	82.180	--	--	--	--	--
5610	82.220	--	--	--	--	--

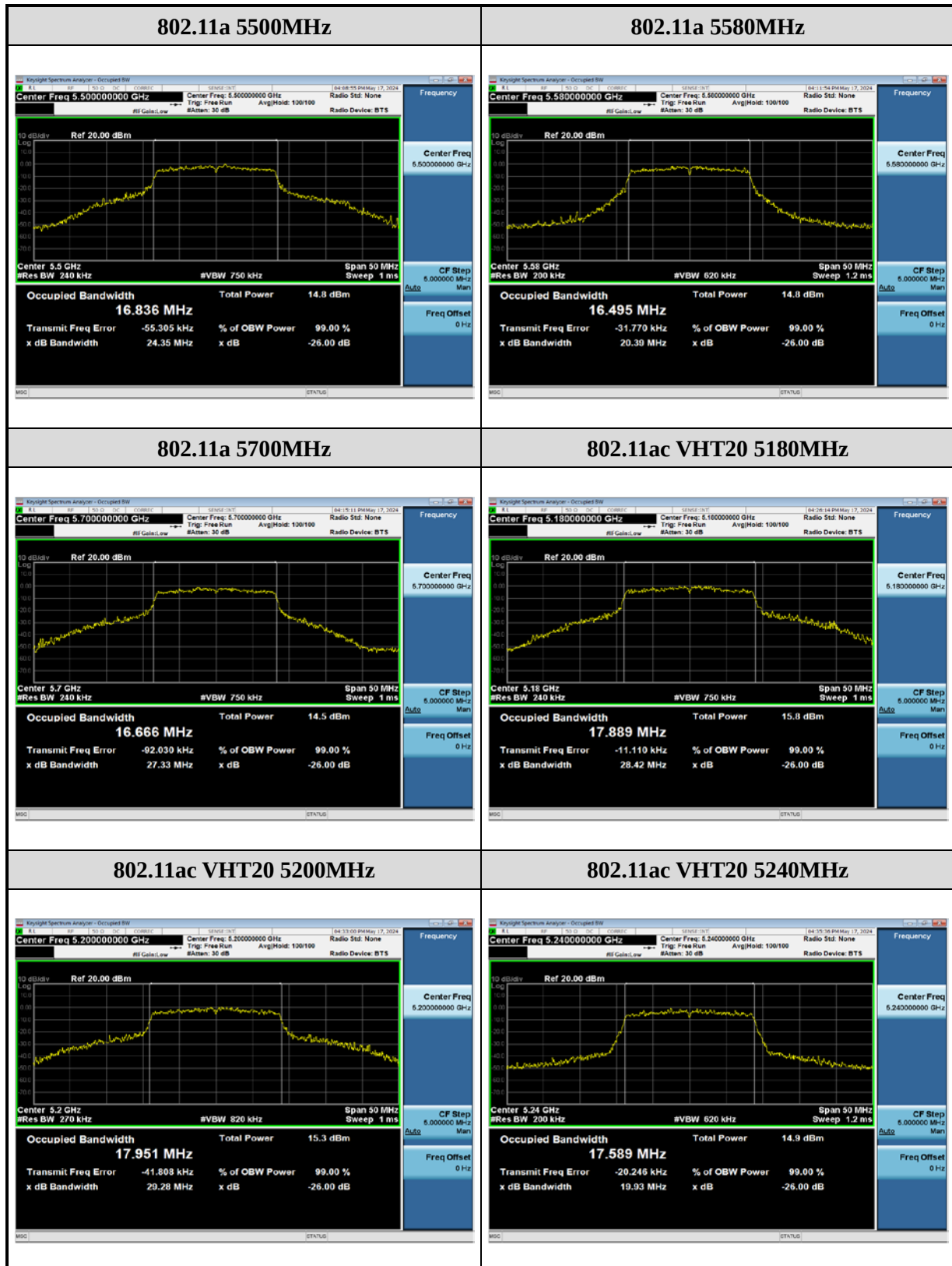
802.11ax HE160

Frequency (MHz)	26dB BW (MHz)		99% OBW (MHz)		Limit (kHz)	Result
	Chain A	Chain B	Chain A	Chain B		
5250	163.500	--	--	--	--	--
5570	163.100	--	--	--	--	--

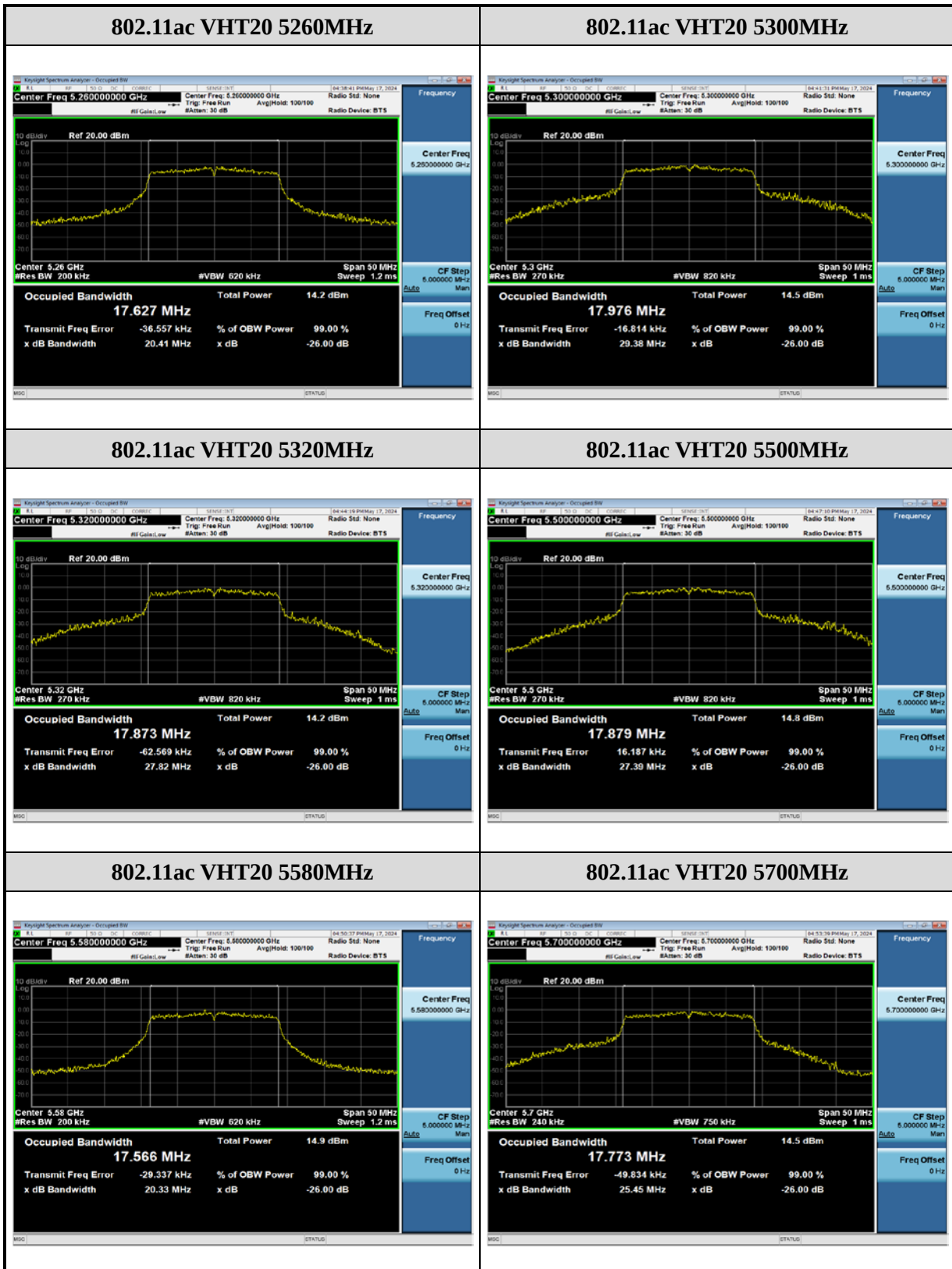
26dB Occupied Bandwidth spectrum plot of Chain A value:



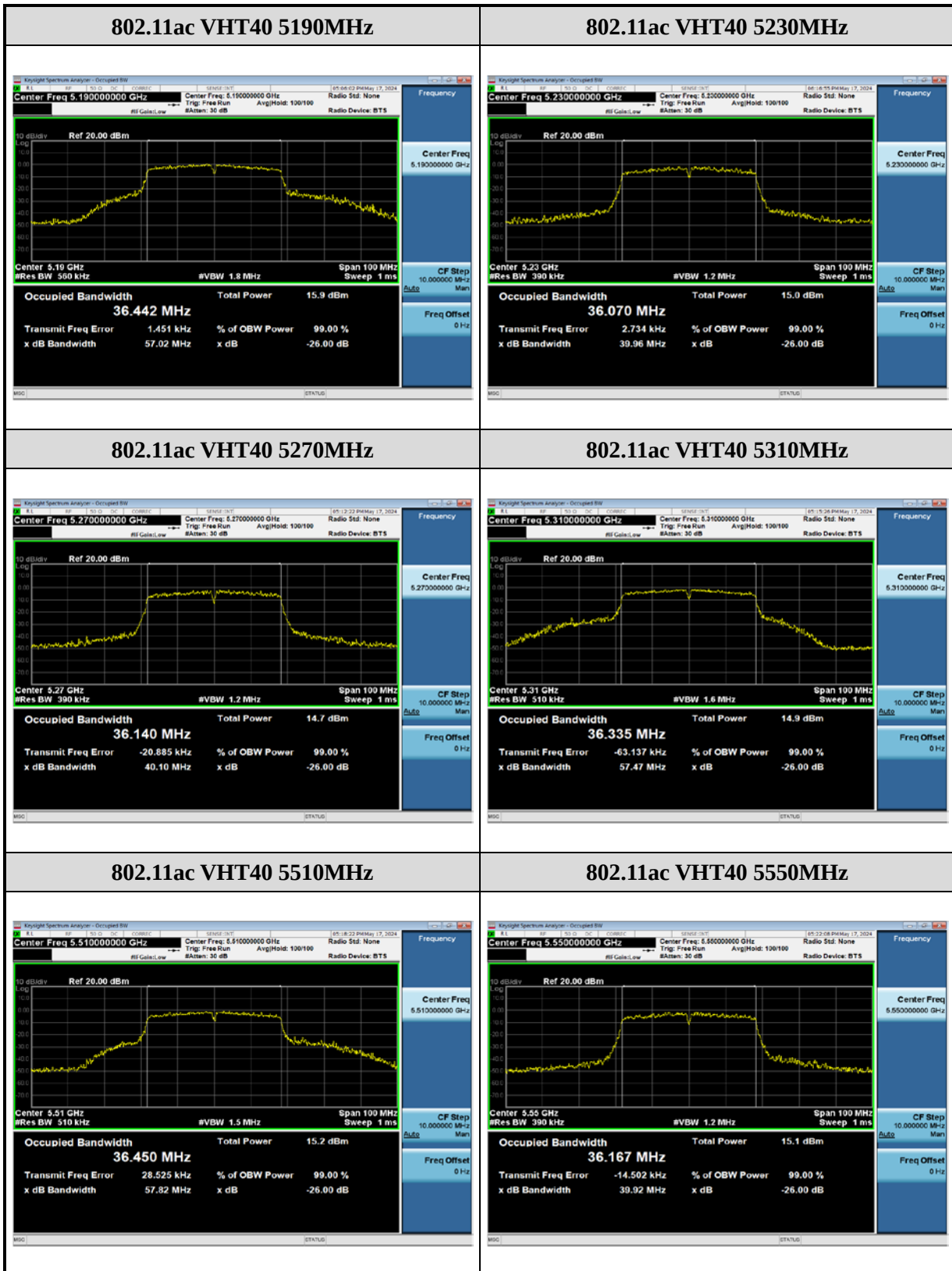
26dB Occupied Bandwidth spectrum plot of Chain A value:



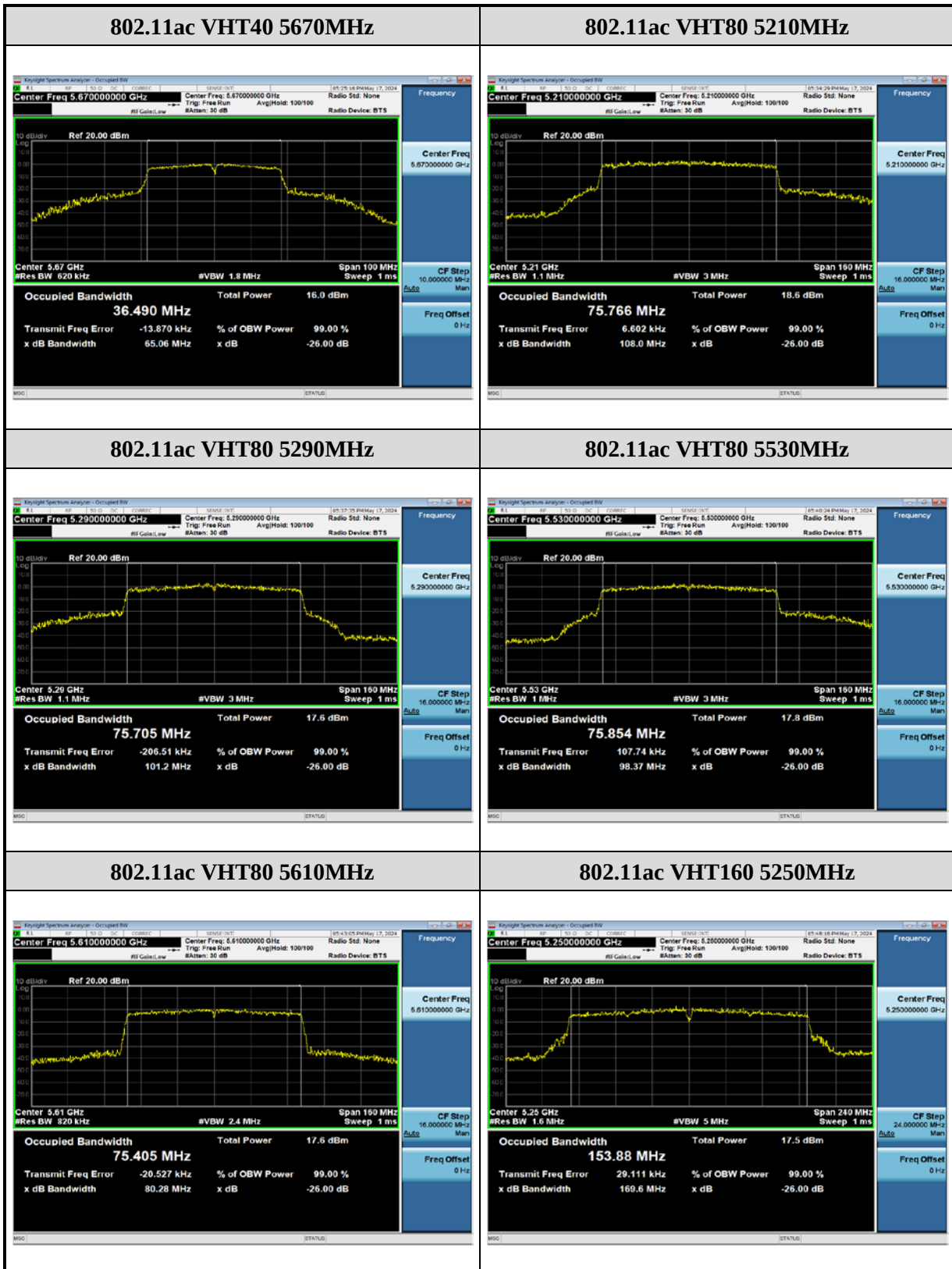
26dB Occupied Bandwidth spectrum plot of Chain A value:



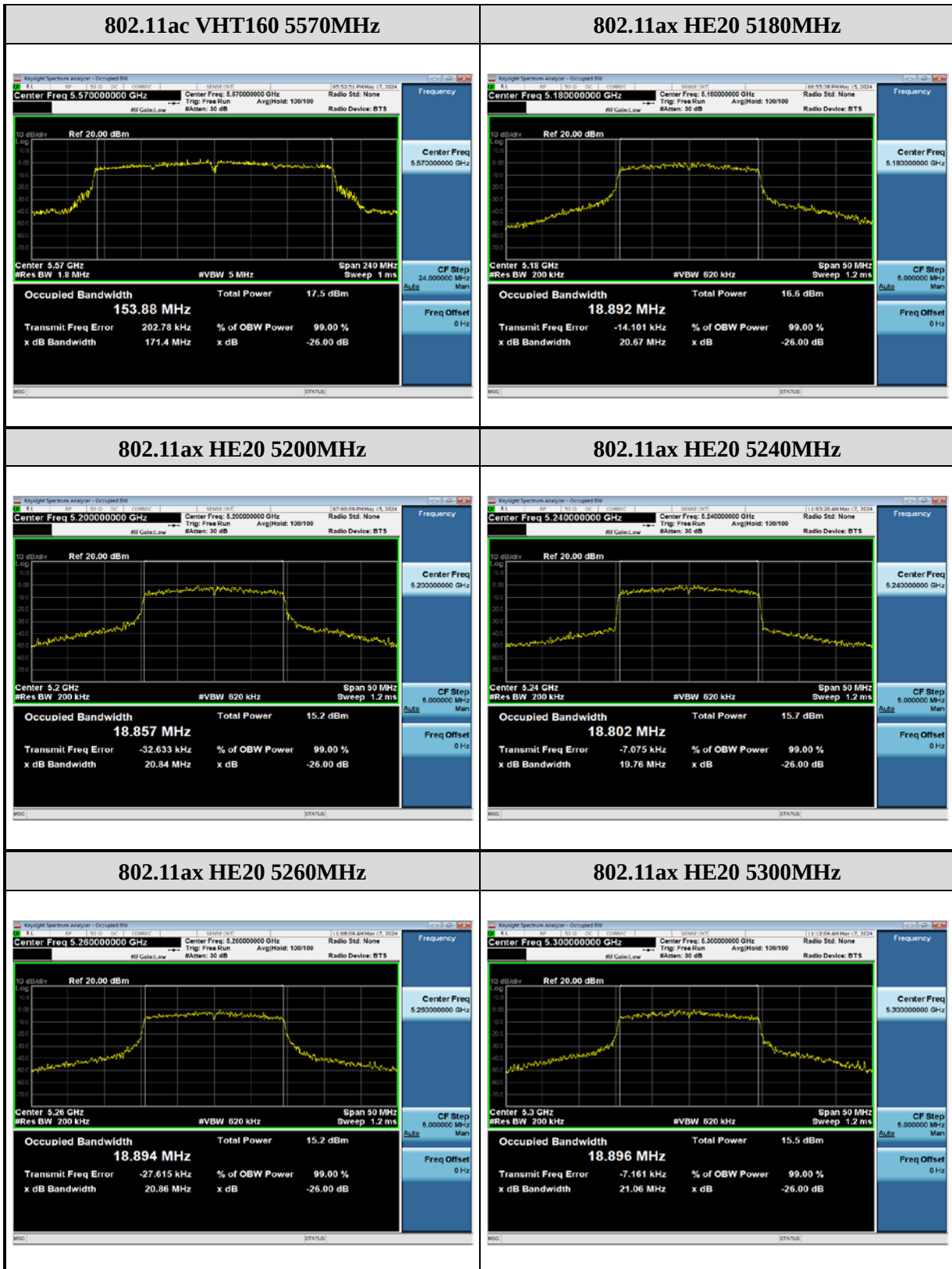
26dB Occupied Bandwidth spectrum plot of Chain A value:



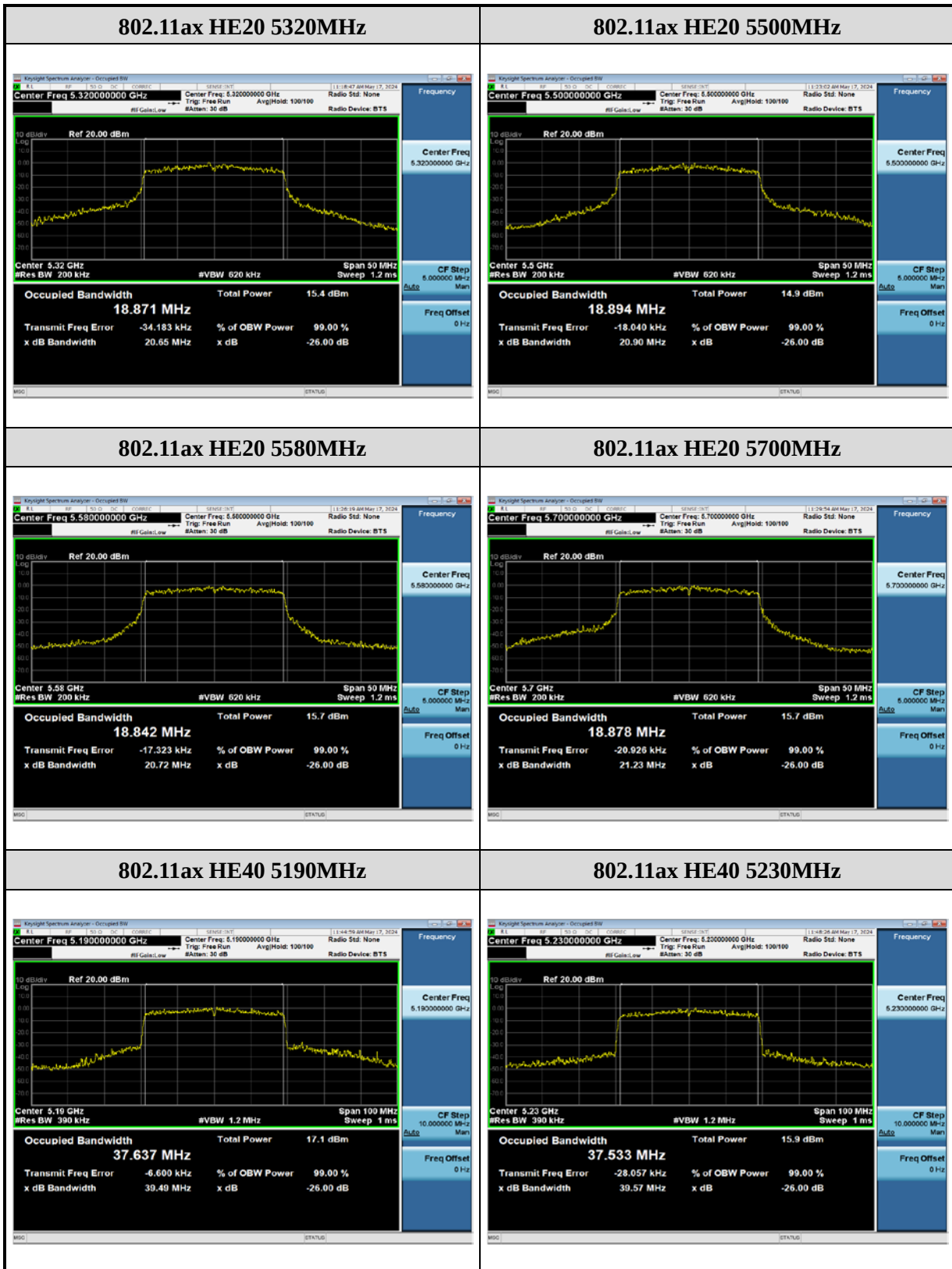
26dB Occupied Bandwidth spectrum plot of Chain A value:



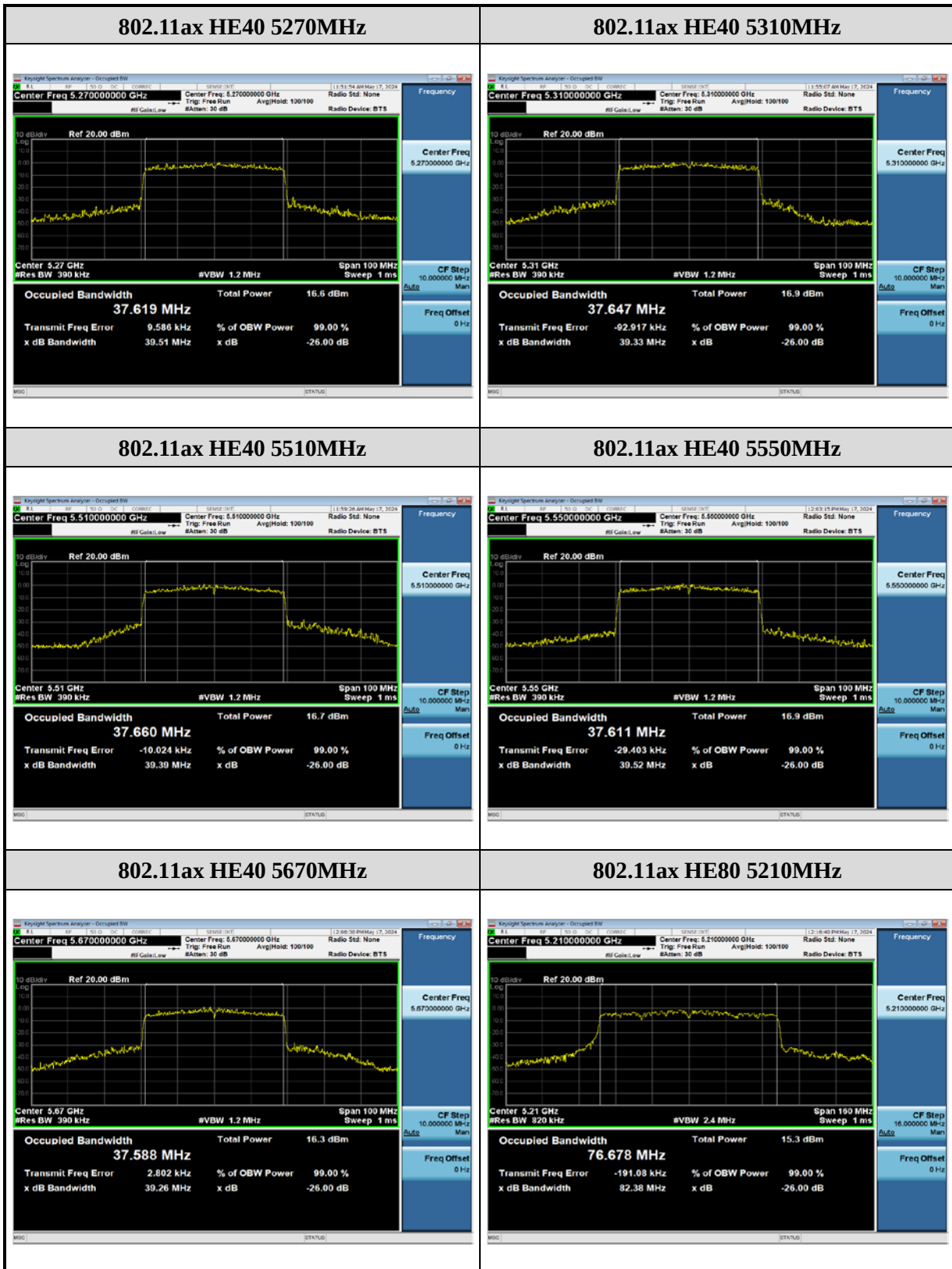
26dB Occupied Bandwidth spectrum plot of Chain A value:



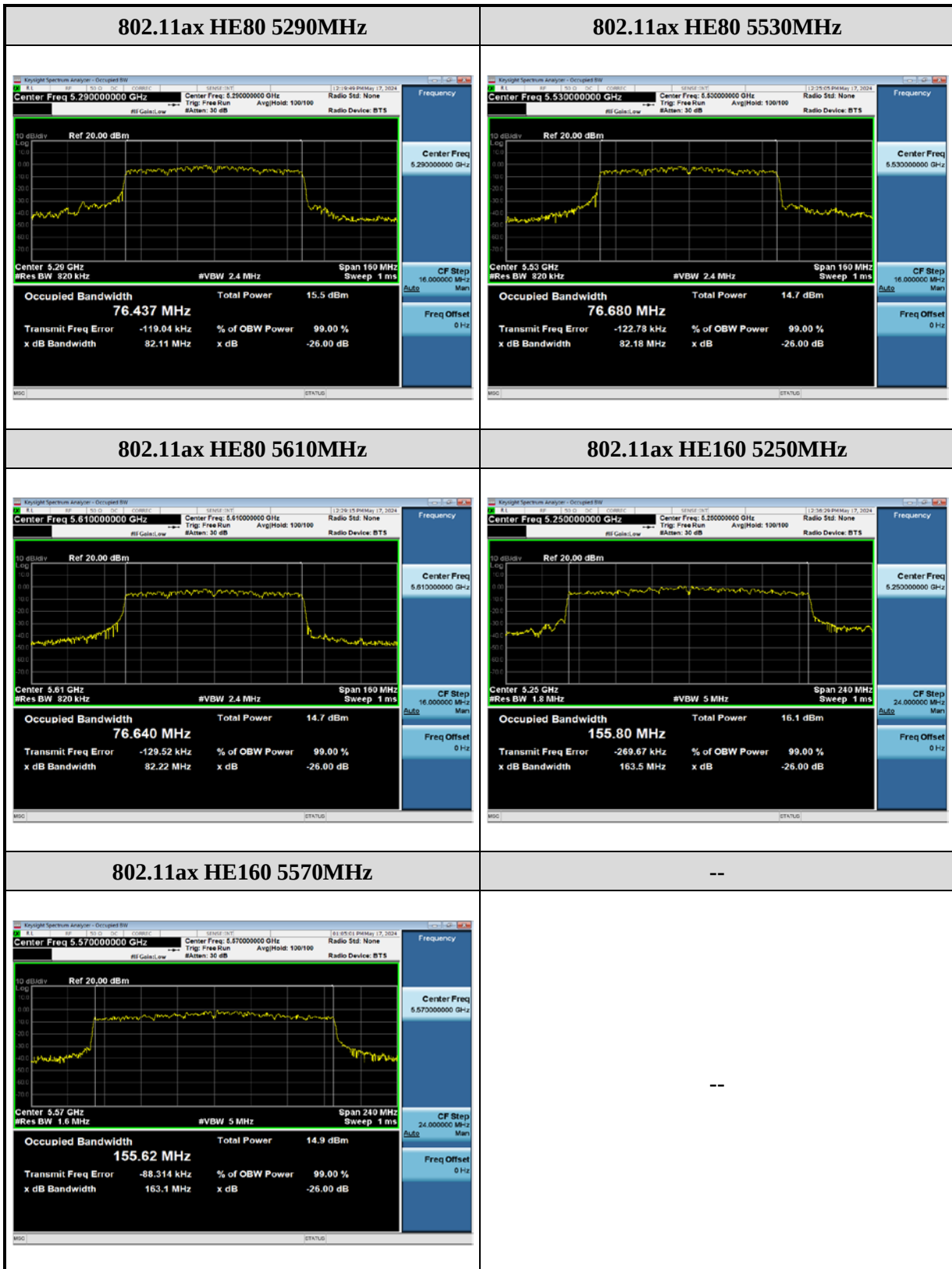
26dB Occupied Bandwidth spectrum plot of Chain A value:



26dB Occupied Bandwidth spectrum plot of Chain A value:



26dB Occupied Bandwidth spectrum plot of Chain A value:



2.4 Power Spectral Density Measurement

2.4.1 Limit

1. For frequency Band 5150~5250MHz:
 - (1) Outdoor access point : 17 dBm / MHz
 - (2) Indoor access point : 17 dBm / MHz
 - (3) Fixed point-to-point access point : 17 dBm / MHz
 - (4) Client device : 11 dBm / MHz
2. For frequency Band 5250~5350MHz:
11 dBm / MHz
3. For frequency Band 5470~5725MHz:
11 dBm / MHz
4. For frequency Band 5725~5850MHz:
30 dBm / 500kHz
5. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

2.4.2 Test Setup



2.4.3 Test Procedure

1. For frequency band 5150~5250, 5250~5350, 5470~5725MHz

Method SA-2

- (1) Measure the duty cycle D of the transmitter output signal.
- (2) Set span to encompass the entire 26 dB EBW or 99% OBW of the signal
- (3) Spectrum analyzer set:
 - a) RBW = 1 MHz
 - b) VBW = 3 MHz
 - c) Sweep time = auto
 - d) Detector = RMS
 - e) Number of points in sweep $\geq [2 \text{ span} / \text{RBW}]$.
(This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
 - f) Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.

2. For frequency band 5725~5850 MHz

Method SA-2

- (1) Measure the duty cycle D of the transmitter output signal.
- (2) Set span to encompass the entire 26 dB EBW or 99% OBW of the signal
- (3) Spectrum analyzer set:
 - a) RBW = 100 kHz
 - b) VBW = 300 kHz
 - c) Sweep time = auto
 - d) Detector = RMS
 - e) Number of points in sweep $\geq [2 \text{ span} / \text{RBW}]$.
(This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
 - f) Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.

2.4.4 Test Result

For 5150 MHz ~ 5250 MHz, 5250 MHz ~ 5350 MHz and 5470 MHz ~ 5725 MHz;

802.11a

Frequency (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
	Chain A	Chain B			
5180	0.05	--	--	< 11	Pass
5200	-0.86	--	--	< 11	Pass
5240	-1.06	--	--	< 11	Pass
5260	-1.04	--	--	< 11	Pass
5300	-0.91	--	--	< 11	Pass
5320	-1.25	--	--	< 11	Pass
5500	-1.67	--	--	< 11	Pass
5580	-1.22	--	--	< 11	Pass
5700	-1.42	--	--	< 11	Pass

Remark: PSD = Reading value on spectrum analyzer + cable loss + duty factor

802.11ac VHT20

Frequency (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
	Chain A	Chain B			
5180	-0.32	--	--	< 11	Pass
5200	-1.12	--	--	< 11	Pass
5240	-1.14	--	--	< 11	Pass
5260	-1.39	--	--	< 11	Pass
5300	-1.10	--	--	< 11	Pass
5320	-1.83	--	--	< 11	Pass
5500	-1.95	--	--	< 11	Pass
5580	-0.98	--	--	< 11	Pass
5700	-1.51	--	--	< 11	Pass

Remark:

1. PSD = Reading value on spectrum analyzer + cable loss + duty factor
2. Section E) method 2) b) of power density measurement of KDB 662911 is used for calculating total power density.

802.11ac VHT40

Frequency (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
	Chain A	Chain B			
5190	-3.79	--	--	< 11	Pass
5230	-4.19	--	--	< 11	Pass
5270	-4.76	--	--	< 11	Pass
5310	-3.72	--	--	< 11	Pass
5510	-4.02	--	--	< 11	Pass
5550	-4.15	--	--	< 11	Pass
5670	-2.80	--	--	< 11	Pass

Remark:

1. PSD = Reading value on spectrum analyzer + cable loss + duty factor
2. Section E) method 2) b) of power density measurement of KDB 662911 is used for calculating total power density.

802.11ac VHT80

Frequency (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
	Chain A	Chain B			
5210	-4.41	--	--	< 11	Pass
5290	-5.75	--	--	< 11	Pass
5530	-4.15	--	--	< 11	Pass
5610	-5.83	--	--	< 11	Pass

Remark:

1. PSD = Reading value on spectrum analyzer + cable loss + duty factor
2. Section E) method 2) b) of power density measurement of KDB 662911 is used for calculating total power density.

802.11ac VHT160

Frequency (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
	Chain A	Chain B			
5250	-7.35	--	--	< 11	Pass
5570	-8.25	--	--	< 11	Pass

Remark:

1. PSD = Reading value on spectrum analyzer + cable loss + duty factor
2. Section E) method 2) b) of power density measurement of KDB 662911 is used for calculating total power density.

802.11ax HE20

Frequency (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
	Chain A	Chain B			
5180	-0.30	--	--	< 11	Pass
5200	-1.98	--	--	< 11	Pass
5240	-1.22	--	--	< 11	Pass
5260	-2.06	--	--	< 11	Pass
5300	-1.20	--	--	< 11	Pass
5320	-1.63	--	--	< 11	Pass
5500	-2.34	--	--	< 11	Pass
5580	-1.09	--	--	< 11	Pass
5700	-1.35	--	--	< 11	Pass

Remark:

1. PSD = Reading value on spectrum analyzer + cable loss + duty factor
2. Section E) method 2) b) of power density measurement of KDB 662911 is used for calculating total power density.

802.11ax HE40

Frequency (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
	Chain A	Chain B			
5190	-2.96	--	--	< 11	Pass
5230	-4.28	--	--	< 11	Pass
5270	-3.09	--	--	< 11	Pass
5310	-3.39	--	--	< 11	Pass
5510	-3.05	--	--	< 11	Pass
5550	-3.37	--	--	< 11	Pass
5670	-3.18	--	--	< 11	Pass

Remark:

1. PSD = Reading value on spectrum analyzer + cable loss + duty factor
2. Section E) method 2) b) of power density measurement of KDB 662911 is used for calculating total power density.

802.11ax HE80

Frequency (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
	Chain A	Chain B			
5210	-6.59	--	--	< 11	Pass
5290	-5.91	--	--	< 11	Pass
5530	-6.96	--	--	< 11	Pass
5610	-7.45	--	--	< 11	Pass

Remark:

1. PSD = Reading value on spectrum analyzer + cable loss + duty factor
2. Section E) method 2) b) of power density measurement of KDB 662911 is used for calculating total power density.

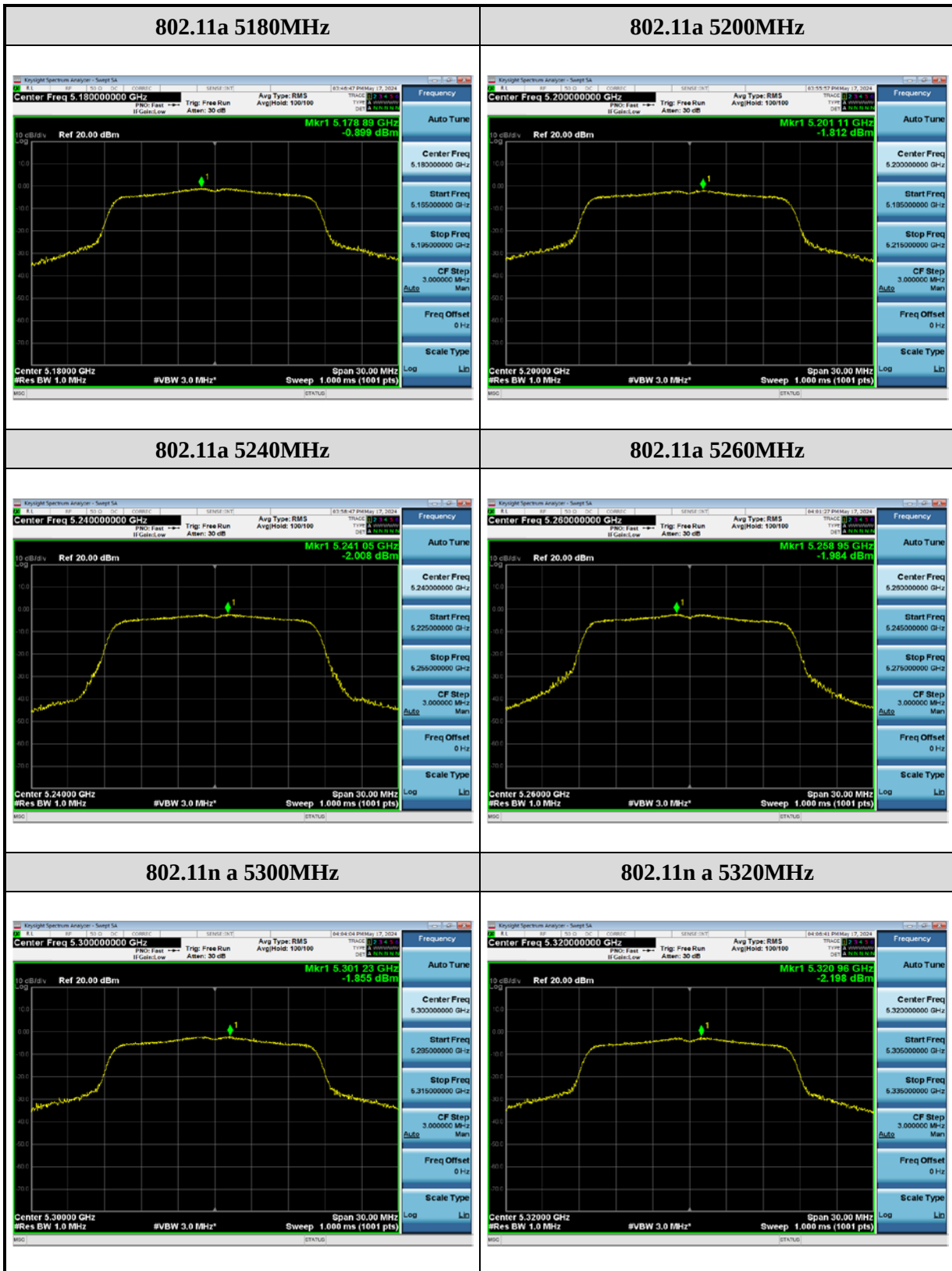
802.11ax HE160

Frequency (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
	Chain A	Chain B			
5250	-7.73	--	--	< 11	Pass
5570	-8.74	--	--	< 11	Pass

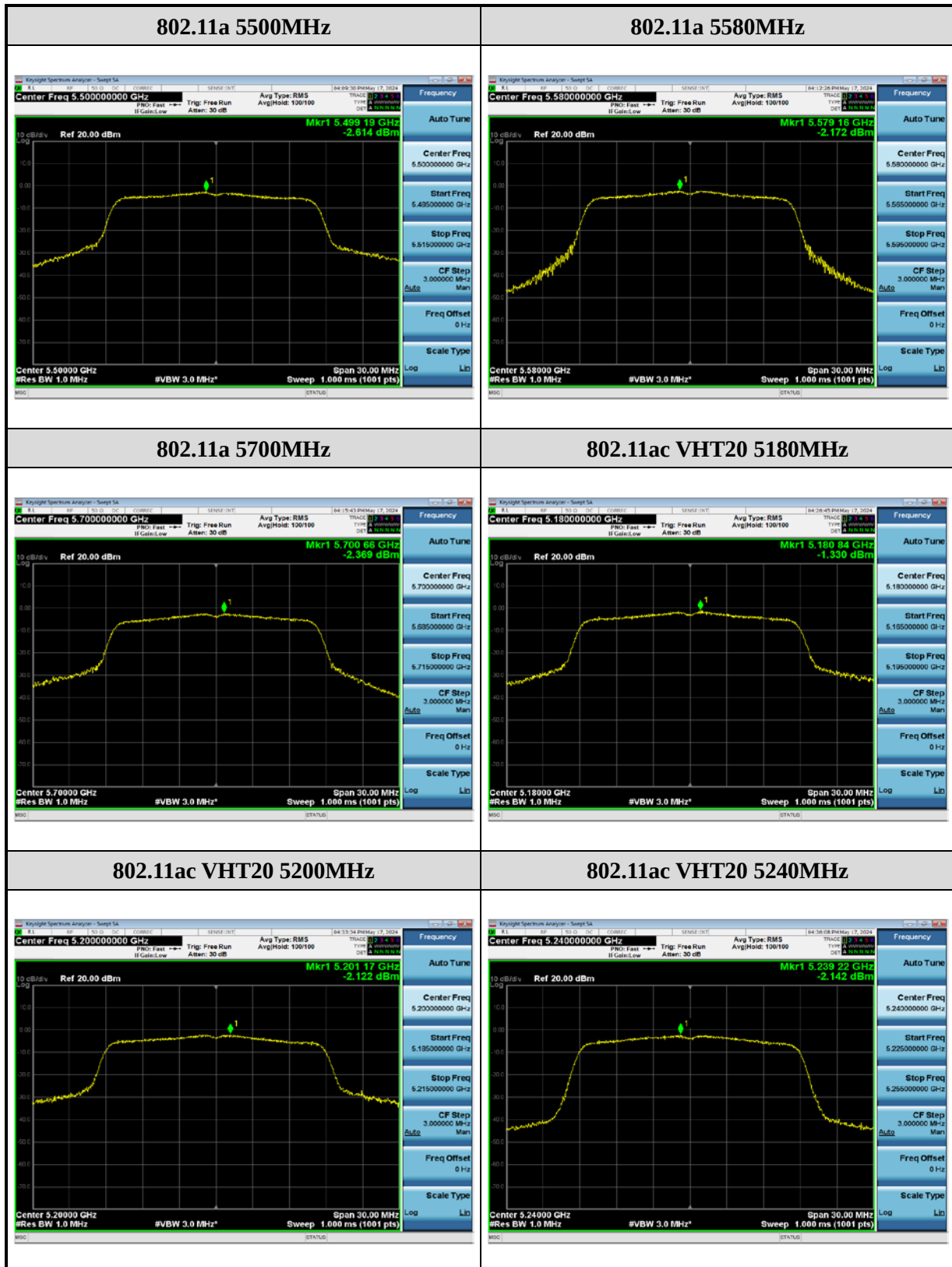
Remark:

1. PSD = Reading value on spectrum analyzer + cable loss + duty factor
2. Section E) method 2) b) of power density measurement of KDB 662911 is used for calculating total power density.

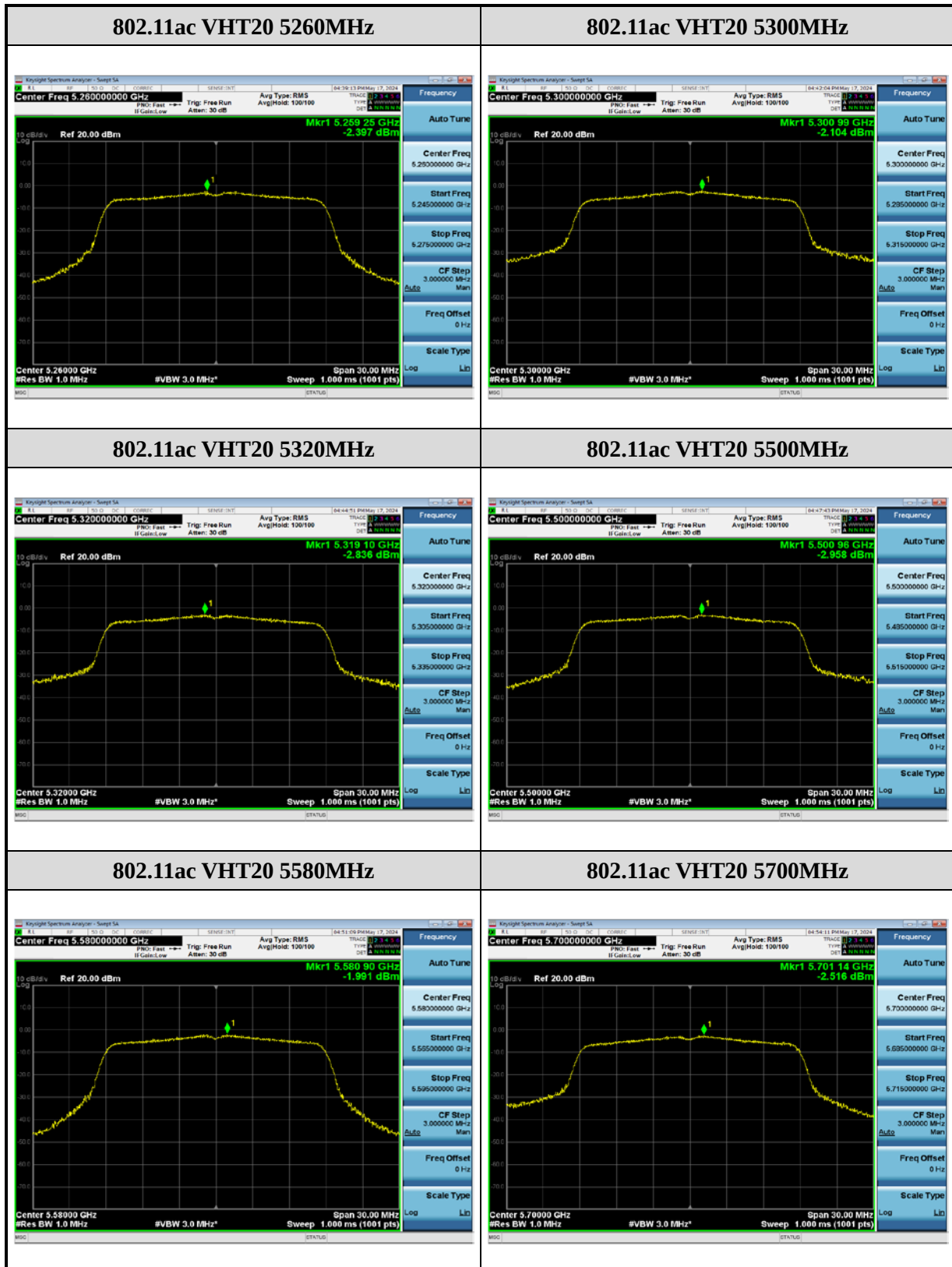
Power Spectral Density spectrum plot of Chain A value:



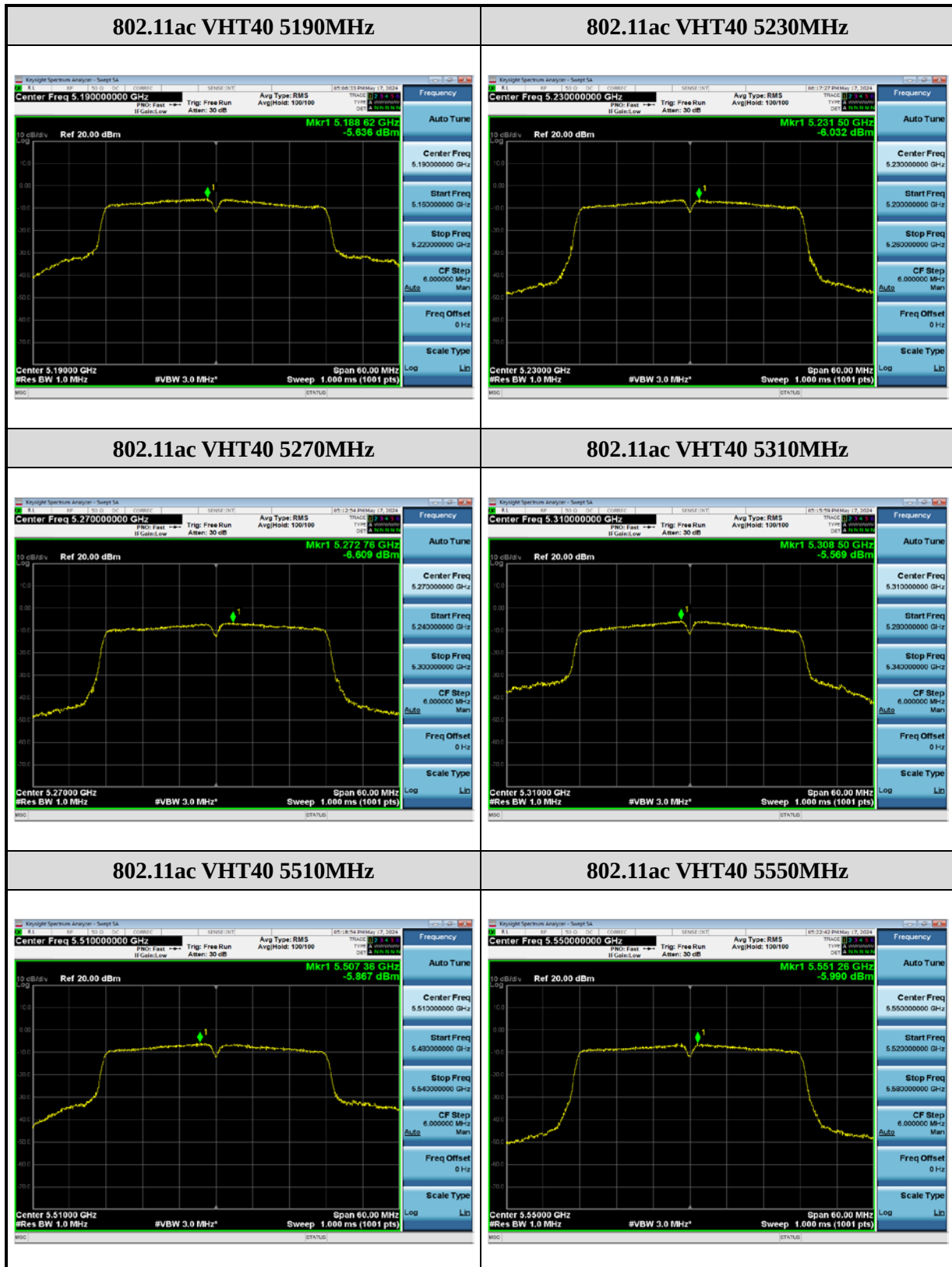
Power Spectral Density spectrum plot of Chain A value:



Power Spectral Density spectrum plot of Chain A value:



Power Spectral Density spectrum plot of Chain A value:



Power Spectral Density spectrum plot of Chain A value:

