



CFR 47 FCC PART 15 SUBPART E

CERTIFICATION TEST REPORT

For

Wireless Moudle

MODEL NUMBER: VS0B9MW3565UE

PROJECT NUMBER: 4790751248

REPORT NUMBER: 4790751248-2

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Prepared for

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Rev.	Issue Date	Revisions	Revised By
V0	04/12/2023	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

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Manufacturer Information

Company Name: ZHEJIANG UNIVIEW TECHNOLOGIES CO., LTD
Address: 88 JIANGLING RD BINJIANG DISTRICT HANGZHOU ZHEJIANG
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EUT Description

Product Name: Wireless Moudle
Model Name: VS0B9MW3565UE
Sample Number: 5811281
Data of Receipt Sample: Feb. 21, 2023
Test Date: Feb. 23, 2023~ Apr. 11, 2023

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART E	PASS

Summary of Test Results			
Clause	Test Items	FCC Rules	Test Results
1	6dB/26dB Bandwidth	FCC 15.407 (a)&(e)	PASS
2	Maximum Conducted Output Power	FCC 15.407 (a)	PASS
3	Power Spectral Density	FCC 15.407 (a)	PASS
4	Antenna Conducted Spurious Emission	FCC 15.407 (b)	PASS
5	Radiated Bandedge and Spurious Emission	FCC 15.407 (b), FCC 15.209, FCC 15.205	PASS
6	Conducted Emission Test for AC Power Port	FCC 15.207	N/A(Note3)
7	Frequency Stability	FCC 15.407 (g)	PASS
8	Dynamic Frequency Selection	FCC 15.407 (h)	N/A
9	Antenna Requirement	FCC 15.203	PASS
Note 1) The measurement result for the sample received is <Pass> according to <ANSI C63.10-2013, FCC CFR 47 Part 2 and FCC CFR 47 Part 15E> when <Accuracy Method> 2) It is a slave device without radar detection. 3) This product is power supply by DC.			

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, CFR 47 FCC Part 2, CFR 47 FCC Part 15, KDB 789033 D02 v02r01, KDB414788 D01 Radiated Test Site v01r01, KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 and 905462 C Client Without DFS New Rules v01r02.

3. FACILITIES AND ACCREDITATIO

Accreditation Certificate	A2LA (Certificate No.: 4829.01) UL-CCIC COMPANY LIMITED has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1247) UL-CCIC COMPANY LIMITED has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. IC (IC Designation No.: 25056; CAB No.: CN0073) UL-CCIC COMPANY LIMITED has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.
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Note 1: All tests measurement facilities use to collect the measurement data are located at No. 2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, China

Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS.

Note 3: The test anechoic chamber in UL-CCIC COMPANY LIMITED had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognize national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Uncertainty for Conduction emission test	3.1dB
Uncertainty for Radiation Emission test (include Fundamental emission) (9kHz-30MHz)	3.4dB
Uncertainty for Radiation Emission test (include Fundamental emission) (30MHz-1GHz)	3.4dB
Uncertainty for Radiation Emission test (1GHz to 40GHz) (include Fundamental emission)	3.5dB (1GHz-18Gz)
	3.9dB (18GHz-26.5Gz)
	4.1dB (26.5GHz-40Gz)
Remark: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

Product Name:	Wireless Moudle	
Model No.:	VS0B9MW3565UE	
Operating Frequency:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz IEEE 802.11a/n/ac 20MHz:5180MHz to 5240MHz, 5745MHz to 5825MHz IEEE 802.11n/ac 40MHz: 5190MHz to 5230MHz, 5755MHz-5795MHz IEEE 802.11ac 80MHz: 5210MHz, 5775MHz	
	This report just including 5G WIFI part.	
Type of Modulation:	IEEE for 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE for 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n (HT20 and HT40): OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11a/n: OFDM (BPSK, QPSK,16QAM, 64QAM) IEEE for 802.11ac: OFDM (BPSK, QPSK,16QAM, 64QAM, 256QAM)	
Channels Step:	Channels with 5MHz step	
Test software of EUT:	REALTEK 11ac 8822CU USB WLAN NIC Massproduction Kit	
Antenna Type:	PIFA antenna	
Antenna Gain:	UNII-1 BAND	Antenna1: 4.59 dBi
		Antenna2: 5.84dBi
	UNII-3 BAND	Antenna1: 3.02dBi
		Antenna2: 4.83dBi
	Remark: This data is provided by customer and our lab isn't responsible for this data	

5.2. MAXIMUM OUTPUT POWER

UNII-1 BAND

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)		
		Ant 1	Ant 2	Total
a	5150 ~ 5250	11.06	10.18	/
ac VHT20		/	/	14.97
ac VHT40		/	/	13.91
ac VHT80		/	/	12.48

UNII-3 BAND

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)		
		Ant 1	Ant 2	Total
a	5725 ~ 5850	8.08	5.44	/
ac VHT20		/	/	4.37
ac VHT40		/	/	3.91
ac VHT80		/	/	3.47

5.3. CHANNEL LIST

UNII-1 (For Bandwidth = 20 MHz)		UNII-1 (For Bandwidth = 40 MHz)		UNII-1 (For Bandwidth = 80 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

UNII-3 (For Bandwidth = 20 MHz)		UNII-3 (For Bandwidth = 40 MHz)		UNII-3 (For Bandwidth = 80 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

5.4. TEST CHANNEL CONFIGURATION

UNII-1 Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 36(Low Channel), CH 40(MID Channel), CH 48(High Channel)	5180 MHz, 5200 MHz, 5240 MHz
802.11n HT20	CH 36(Low Channel), CH 40(MID Channel), CH 48(High Channel)	5180 MHz, 5200 MHz, 5240 MHz
802.11n HT40	CH 38(Low Channel), CH 46(High Channel)	5190 MHz, 5230 MHz
802.11ac VHT20	CH 36(Low Channel), CH 40(MID Channel), CH 48(High Channel)	5180 MHz, 5200 MHz, 5240 MHz
802.11ac VHT40	CH 38(Low Channel), CH 46(High Channel)	5190 MHz, 5230 MHz
802.11ac VHT80	CH 42(Low Channel)	5210 MHz

UNII-3 Test Channel Configuration		
IEEE Std.	Test Channel Number	Frequency
802.11a	CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)	5745 MHz, 5785 MHz, 5825 MHz
802.11n HT20	CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)	5745 MHz, 5785 MHz, 5825 MHz
802.11n HT40	CH 151(Low Channel), CH 159(High Channel)	5755MHz, 5795MHz
802.11ac VHT20	CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)	5745 MHz, 5785 MHz, 5825 MHz
802.11ac VHT40	CH 151(Low Channel), CH 159(High Channel)	5755 MHz, 5795 MHz
802.11ac VHT80	CH 155(Low Channel)	5775 MHz

5.5. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency Band	Antenna Type	Maximum Antenna Gain	Directional Gain (dBi)
			(dBi)	MIMO Mode
1	UNII-1	PIFA antenna	4.59	8.27
2	UNII-1		5.84	
1	UNII-3	PIFA antenna	3.02	7.03
2	UNII-3		4.83	
Remark : MIMO Mode Directional gain= $10 \log [(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ G _{ANT} : Average of the Antenna Gain N _{ANT} : Antenna numbers				

IEEE Std. 802.11	Transmit and Receive Mode	Description
a	☒2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
n HT20	☒2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
n HT40	☒2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
ac VHT20	☒2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
ac VHT40	☒2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
ac VHT80	☒2TX, 2RX	ANT 1, 2 can be used as transmitting/receiving antenna.
Remark: 1. For this product, it has five antennas, but only two antennas for M8822CU3 RF module. For this M8822CU3 RF module, only the 802.11N HT20, 802.11N HT40, 802.11 ac VHT20, 802.11 ac VHT40 and 802.11 ac VHT80 modes can support both the SISO and MIMO technical. For the modes of 11a only support SISO mode. 2. 2.4 GHz WLAN& 5 GHz WLAN can't transmit simultaneously. (Declared by customer.) 3. SISO mode and MIMO mode have the same power setting, so only the worst case power mode (MIMO) will be record in the report. 4. The EUT support Cyclic Shift Diversity (CDD), Space Time Coding (STBC), Spatial Division Multiplexing (SDM) modes. They use the same conducted power per chain in any given mode, CDD mode have the maximum power setting, so we only chose the worst case mode CDD for final testing. 5. For this product can support hotspot function, they use the same RF parameter and after evaluated by the lab, there no any change, so only the data of worse case is included in this report.		

5.6. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter	
Test Software	REALTEK 11ac 8822CU USB WLAN NIC Massproduction Kit

UNII-1

IEEE Std. 802.11	Rate	Channel	Test Software Setting Value	
			ANT 1	ANT 2
a	6M	36	Default	Default
		40	Default	Default
		48	Default	Default
ac VHT20	MCS0	36	Default	Default
		40	Default	Default
		48	Default	Default
ac VHT40	MCS0	38	Default	Default
		46	Default	Default
ac VHT80	MCS0	42	Default	Default

UNII-3

IEEE Std. 802.11	Rate	Channel	Test Software Setting Value	
			ANT 1	ANT 2
a	6M	149	50	50
		157	50	50
		165	50	50
ac VHT20	MCS0	149	32	32
		157	32	32
		165	32	32
ac VHT40	MCS0	151	32	32
		159	32	32
ac VHT80	MCS0	155	32	32

Remark:

- 1) Since 802.11ac VHT20/VHT40 modes are different from 802.11n HT20/HT40 only in control messages, so all the tests are performed on the worst case (802.11ac VHT20/802.11ac VHT40) mode between these 4 modes and only the worst data is recorded in this report.

5.7. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Description
1	Laptop	ThinkPad	E590	N/A

I/O PORT

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	USB	USB	100cm Length	N/A

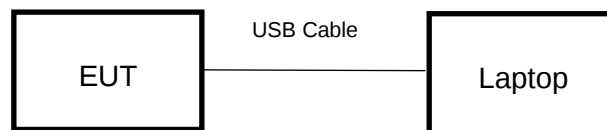
ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	N/A	N/A	N/A	N/A

TEST SETUP

The EUT can work in an engineer mode with a software through a PC.

SETUP DIAGRAM FOR TESTS



5.8. MEASURING INSTRUMENT AND SOFTWARE USED

Radiated Emissions (Instrument)							
Used	Equipment	Manufacturer	Model No.	Serial No.	Upper Last Cal.	Last Cal.	Next Cal.
☒	EMI test receiver	R&S	ESR7	222993	/	2022-05-20	2023-05-19
☒	EMI test receiver	R&S	ESR26	126703	2021-12-04	2022-12-03	2023-12-02
☒	Spectrum Analyzer	R&S	FSV3044	222992	2022-05-27	2023-04-08	2024-04-07
☒	Receiver Antenna (9kHz-30MHz)	Schwarzbeck	FMZB 1513	155456	2018-06-15	2021-06-03	2024-06-02
☒	Receiver Antenna (30MHz-1GHz)	Schwarzbeck	VULB 9163	126704	2019-01-28	2022-01-18	2025-01-17
☒	Receiver Antenna (1GHz-18GHz)	R&S	HF907	126705	2018-01-29	2022-02-28	2025-02-27
☒	Receiver Antenna (18GHz-26.5GHz)	Schwarzbeck	BBHA9170	126706	2019-01-05	2021-07-15	2024-07-14
☒	Pre-amplification (To 18GHz)	Tonscnd	TAP01018050	224539	/	2022-10-20	2023-10-19
☒	Pre-amplification (To 18GHz)	R&S	SCU-18D	134667	2021-12-05	2022-12-04	2023-12-03
☒	Pre-amplification (To 26.5GHz)	R&S	SCU-26D	135391	2021-12-05	2022-12-04	2023-12-03
☒	Band Reject Filter	Wainwright	WRCGV12-2375-2400-2485-2510-40SS	1	2021-12-05	2022-12-04	2023-12-03
☒	High Pass Filter	COM-MW	ZBF13-3-18G-01	2	2021-12-05	2022-12-04	2023-12-03
	Chamber A	Albatross	9*6*6	126721	2019-05-31	2022-05-30	2025-05-29
	Chamber B	SAEMC	9*6*6	220350	/	2022-07-03	2025-06-01
	Temperature and Humidity Datalogger	Omega Engineering Inc.	iTHX-SD-5	183135	/	2022-07-20	2023-07-19
Software							
Used	Description		Manufacturer	Name		Version	
☒	Test Software for Radiated disturbance		JSTONSCEND	JS32-RE		Ver. 4.0.0.1	
☒	Test Software for Radiated disturbance		Chinese-EMC	RE_RSE		Ver. 3.03	
Other instruments							
Used	Equipment	Manufacturer	Model No.	Serial No.	Upper Last Cal.	Last Cal.	Next Cal.
☒	Spectrum Analyzer	Keysight	N9010B	155368	2022-04-09	2023-04-08	2024-04-07
☒	Power Meter	MWT	MW100-RFCB	221694	2022-04-09	2023-04-08	2024-04-07
☒	Attenuator	PASTERNAK	PE7087-6	1624	2022-04-09	2023-04-08	2024-04-07

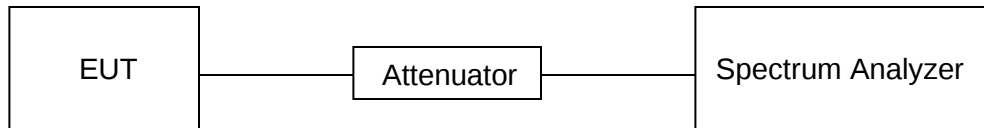
6. ANTENNA PORT TEST RESULTS

6.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.0°C	Relative Humidity	44%
Atmosphere Pressure	102kpa	Test Voltage	DC5V

RESULTS

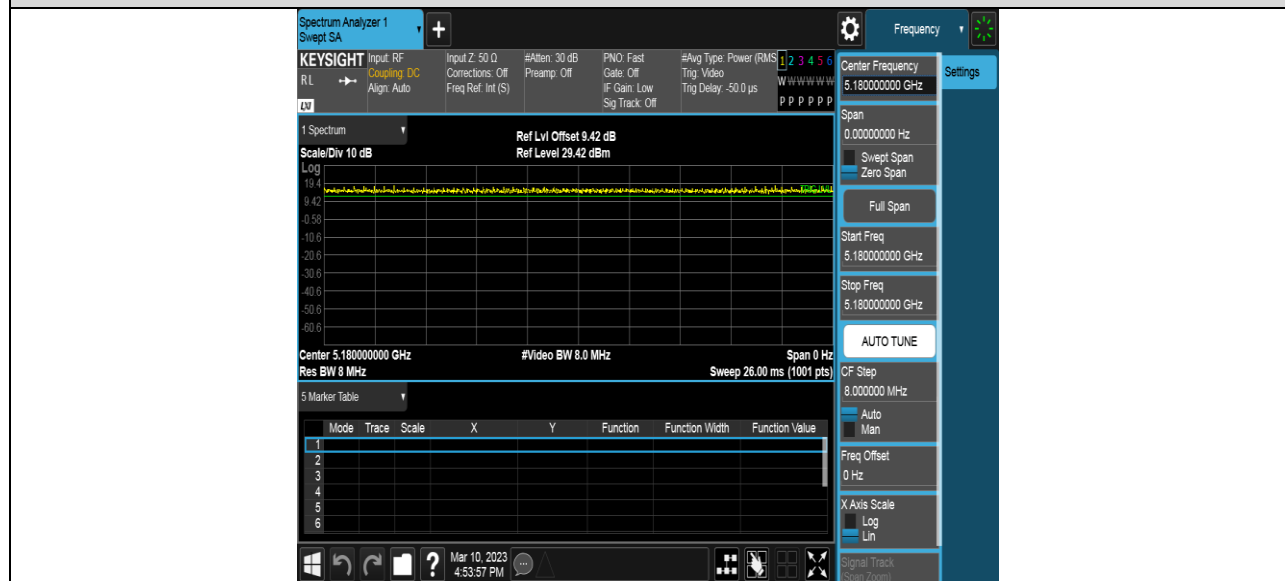
ANTENNA 1

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11a	100	100	1	100	0	0.01	0.01
11ac HT20	100	100	1	100	0	0.01	0.01
11ac HT40	100	100	1	100	0	0.01	0.01
11ac HT80	100	100	1	100	0	0.01	0.01

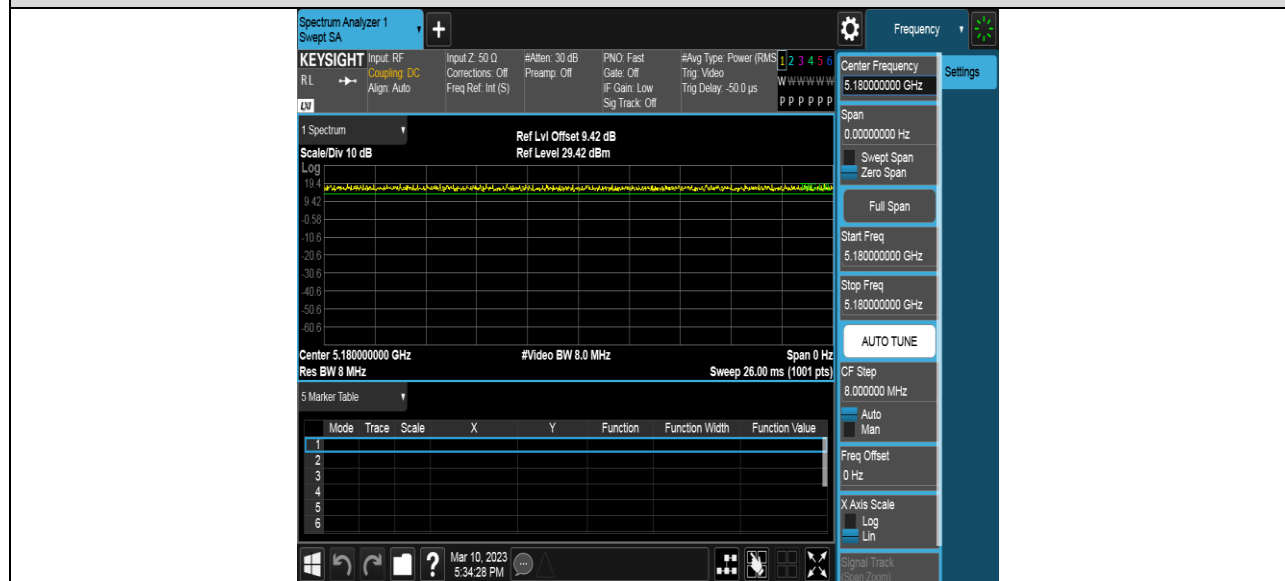
Remark:

1. Duty Cycle Correction Factor=10log (1/x).
2. Where: x is Duty Cycle (Linear)
3. Where: T is On Time
4. If that calculated VBW is not available on the analyzer then the next higher value should be used.
5. Antenna 1 and Antenna 2 has the same duty cycle, only Antenna 1 data show here.

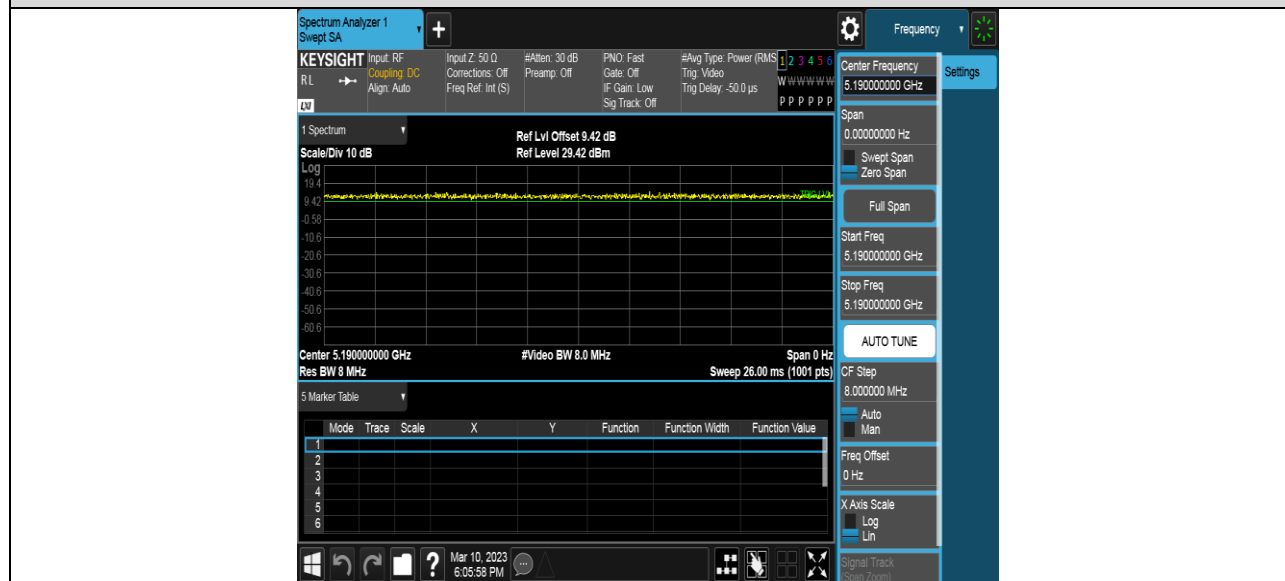
11a ON TIME AND DUTY CYCLE MID CH (WORSE CASE)



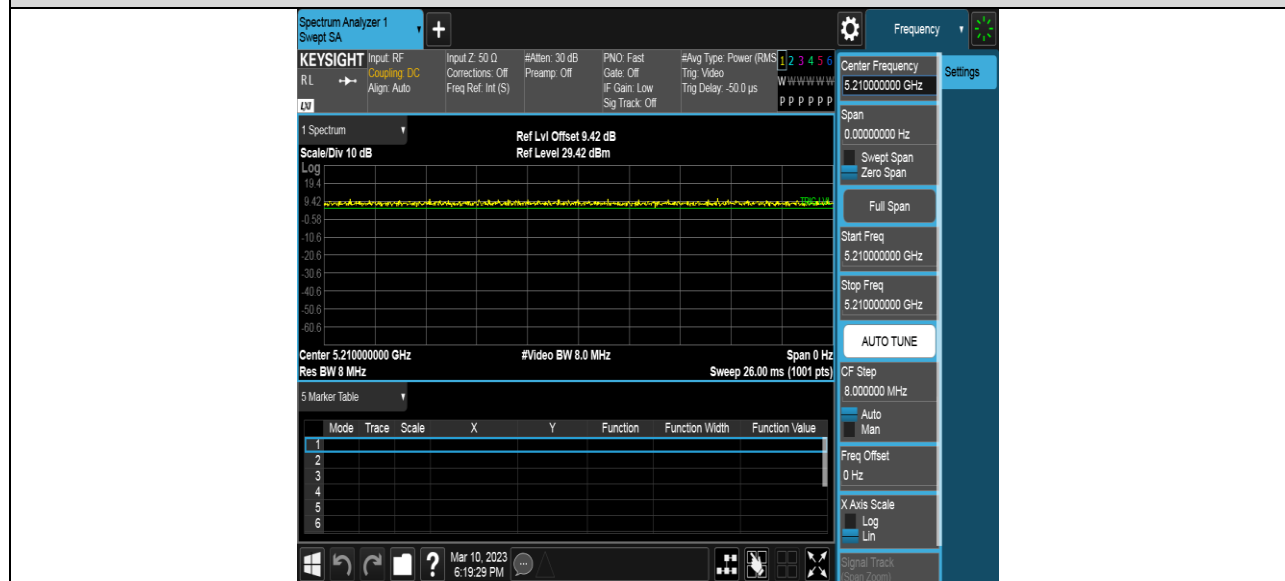
11ac20 ON TIME AND DUTY CYCLE MID CH (WORSE CASE)



11ac40 ON TIME AND DUTY CYCLE MID CH (WORSE CASE)



11ac80 ON TIME AND DUTY CYCLE MID CH (WORSE CASE)



6.2. 6dB/26dB OCCUPIED BANDWIDTH

LIMITS

CFR 47 FCC Part15, Subpart E ISED RSS-247 ISSUE 2		
Test Item	Limit	Frequency Range (MHz)
26 dB Emission Bandwidth	For reporting purposes only.	5150 ~ 5250
6 dB Emission Bandwidth	The minimum 6 dB emission bandwidth shall be 500 kHz.	5725 ~ 5850

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.C1. for 26 dB Emission Bandwidth; section II.C2. for 6 dB Emission Bandwidth.
Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Emission Bandwidth: RBW=100 kHz For 26 dB Emission bandwidth: approximately 1 % of the EBW.
VBW	For 6 dB Bandwidth: $\geq 3 \times \text{RBW}$ For 26 dB Bandwidth: $> \text{RBW}$
Trace	Max hold
Sweep	Auto couple

- Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.
- Allow the trace to stabilize and 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 6/26 dB relative to the maximum level measured in the fundamental emission.

Calculation for 99 % Bandwidth and 26 dB Bandwidth of UNII-2C and UNII-3 Straddle

Channel:

For Example: Fundamental Frequency: 5720 MHz

FL: 5710.60 MHz

FH: 5728.33 MHz

Turning Frequency: 5725 MHz

UNII-2C Band Portion = $5725 - 5710.60 = 14.40$ MHz

UNII-3 Band Portion = $5728.33 - 5725 = 3.30$ MHz

Calculation for 6dB Bandwidth of UNII-3 Straddle Channel:

For Example: Fundamental frequency: 5720 MHz

6 dB BW: 16.44 MHz

FL: 5711.76 MHz

FH: 5728.2 MHz

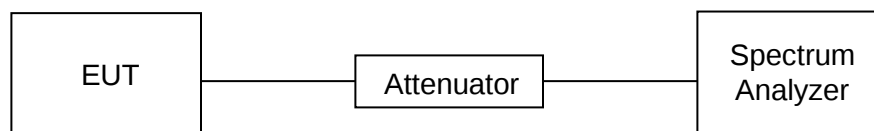
Turning Frequency: 5725 MHz

6 dB Bandwidth of UNII-3 band Portion = $5728.2 - 5725 = 3.2$ MHz

TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	58.5%
Atmosphere Pressure	102kpa	Test Voltage	DC5V

TEST SETUP



RESULTS TABLE ANTENNA 1 (WORST-CASE CONFIGURATION)

I) For 26 dB Emission Bandwidth Part:

Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	18.561	5170.595	5189.156	PASS
	Ant2	5180	18.512	5170.717	5189.229	PASS
	Ant1	5200	18.584	5190.635	5209.219	PASS
	Ant2	5200	18.403	5190.760	5209.163	PASS
	Ant1	5240	18.557	5230.617	5249.175	PASS
	Ant2	5240	18.400	5230.799	5249.199	PASS
	Ant1	5745	18.132	5735.885	5754.017	PASS
	Ant2	5745	17.996	5735.957	5753.953	PASS
	Ant1	5785	18.060	5775.925	5793.985	PASS
	Ant2	5785	18.088	5775.889	5793.977	PASS
	Ant1	5825	18.107	5815.875	5833.981	PASS
	Ant2	5825	17.988	5816.021	5834.009	PASS
11AC20MIMO	Ant1	5180	19.439	5170.251	5189.689	PASS
	Ant2	5180	19.432	5170.264	5189.696	PASS
	Ant1	5200	19.525	5190.180	5209.705	PASS
	Ant2	5200	19.471	5190.280	5209.751	PASS
	Ant1	5240	19.481	5230.264	5249.745	PASS
	Ant2	5240	19.388	5230.301	5249.689	PASS
	Ant1	5745	19.292	5735.343	5754.635	PASS
	Ant2	5745	19.337	5735.307	5754.644	PASS
	Ant1	5785	19.235	5775.373	5794.608	PASS
	Ant2	5785	19.265	5775.364	5794.629	PASS
	Ant1	5825	19.193	5815.401	5834.595	PASS
	Ant2	5825	19.240	5815.336	5834.576	PASS
11AC40MIMO	Ant1	5190	40.971	5169.397	5210.368	PASS
	Ant2	5190	41.205	5169.371	5210.576	PASS
	Ant1	5230	40.976	5209.592	5250.568	PASS
	Ant2	5230	40.944	5209.571	5250.515	PASS
	Ant1	5755	41.187	5734.552	5775.739	PASS
	Ant2	5755	41.064	5734.581	5775.645	PASS
	Ant1	5795	40.832	5774.659	5815.491	PASS
	Ant2	5795	40.960	5774.635	5815.595	PASS
11AC80MIMO	Ant1	5210	81.291	5169.099	5250.389	PASS
	Ant2	5210	81.195	5169.061	5250.256	PASS
	Ant1	5775	80.123	5734.851	5814.973	PASS
	Ant2	5775	80.272	5734.915	5815.187	PASS

Remark: The two antennas had been tested, but only the worst data was recorded in the report.

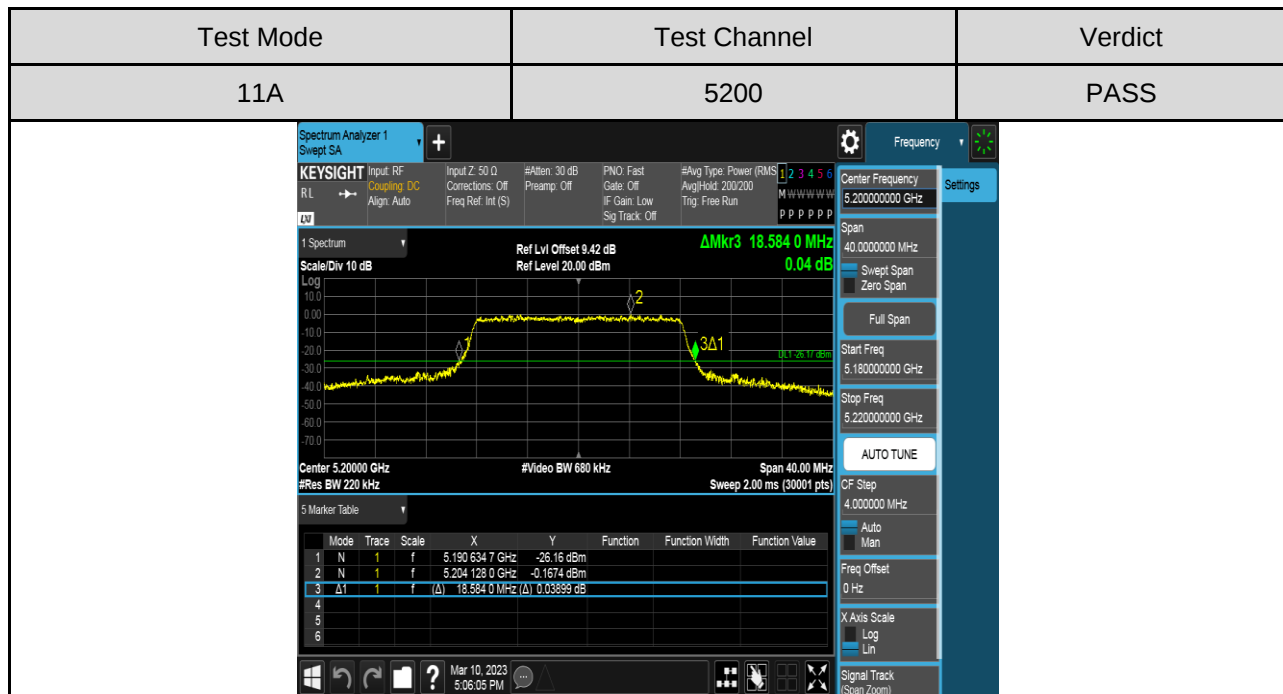
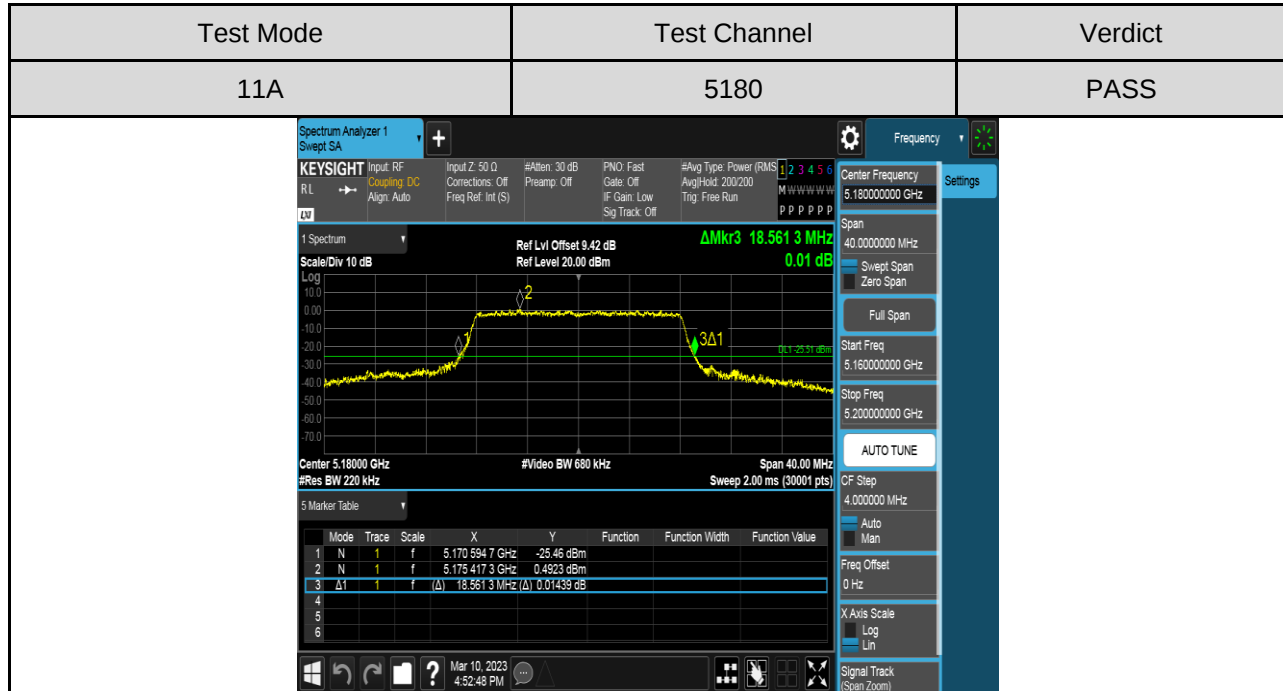
II) 6dB Minimum Emission Bandwidth

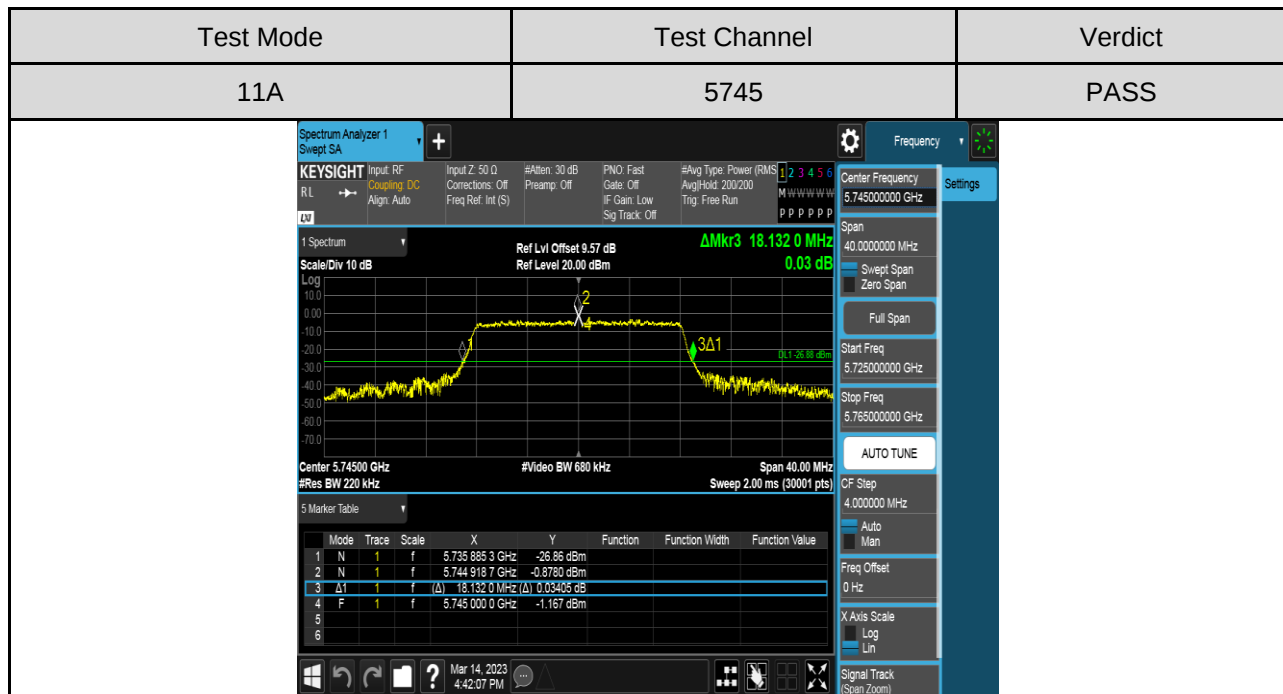
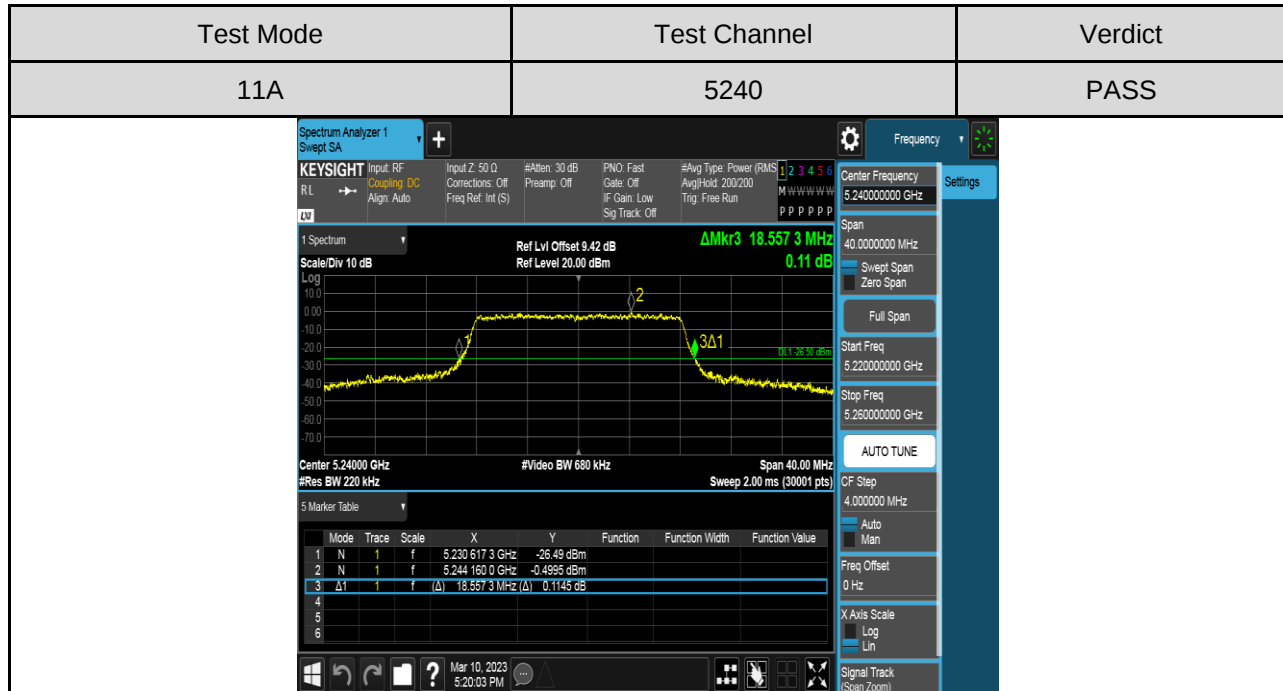
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.95	≥ 0.5	PASS
	Ant2	5745	16.25	≥ 0.5	PASS
	Ant1	5785	15.60	≥ 0.5	PASS
	Ant2	5785	16.30	≥ 0.5	PASS
	Ant1	5825	16.10	≥ 0.5	PASS
	Ant2	5825	15.46	≥ 0.5	PASS
11AC20MIMO	Ant1	5745	17.59	≥ 0.5	PASS
	Ant2	5745	17.57	≥ 0.5	PASS
	Ant1	5785	17.58	≥ 0.5	PASS
	Ant2	5785	17.58	≥ 0.5	PASS
	Ant1	5825	17.58	≥ 0.5	PASS
	Ant2	5825	17.58	≥ 0.5	PASS
11AC40MIMO	Ant1	5755	22.28	≥ 0.5	PASS
	Ant2	5755	18.18	≥ 0.5	PASS
	Ant1	5795	25.05	≥ 0.5	PASS
	Ant2	5795	18.28	≥ 0.5	PASS
11AC80MIMO	Ant1	5775	56.29	≥ 0.5	FAIL
	Ant2	5775	48.05	≥ 0.5	FAIL

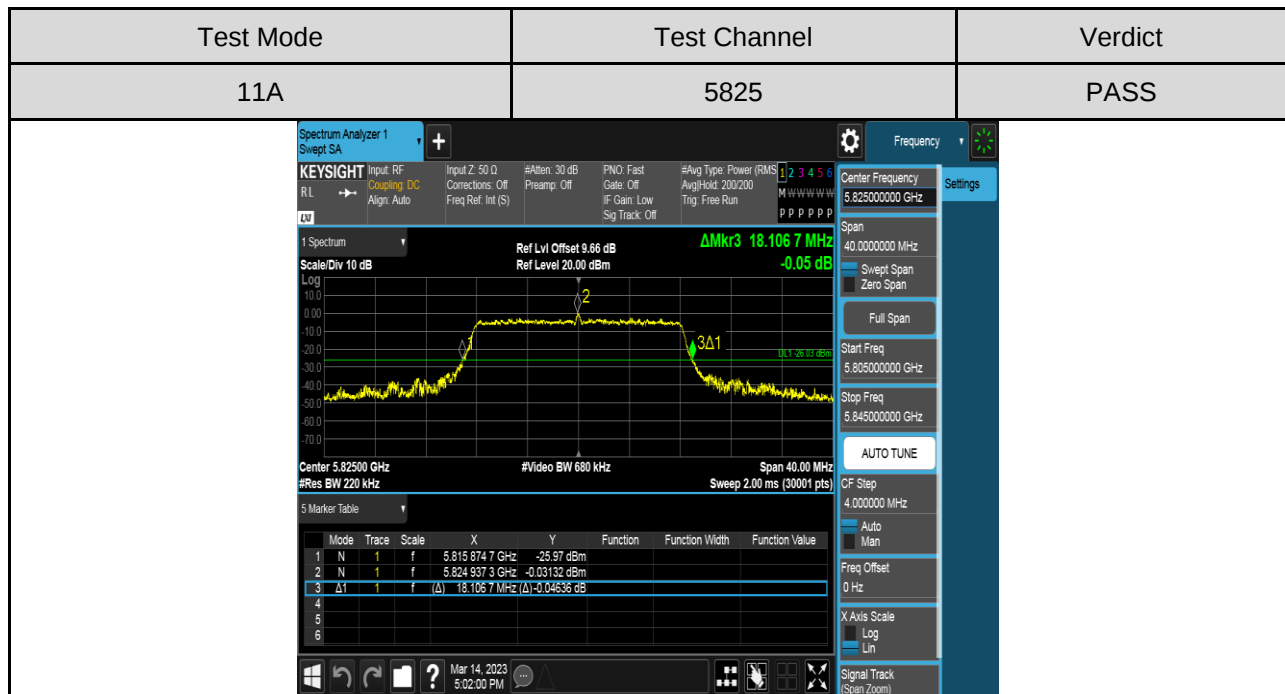
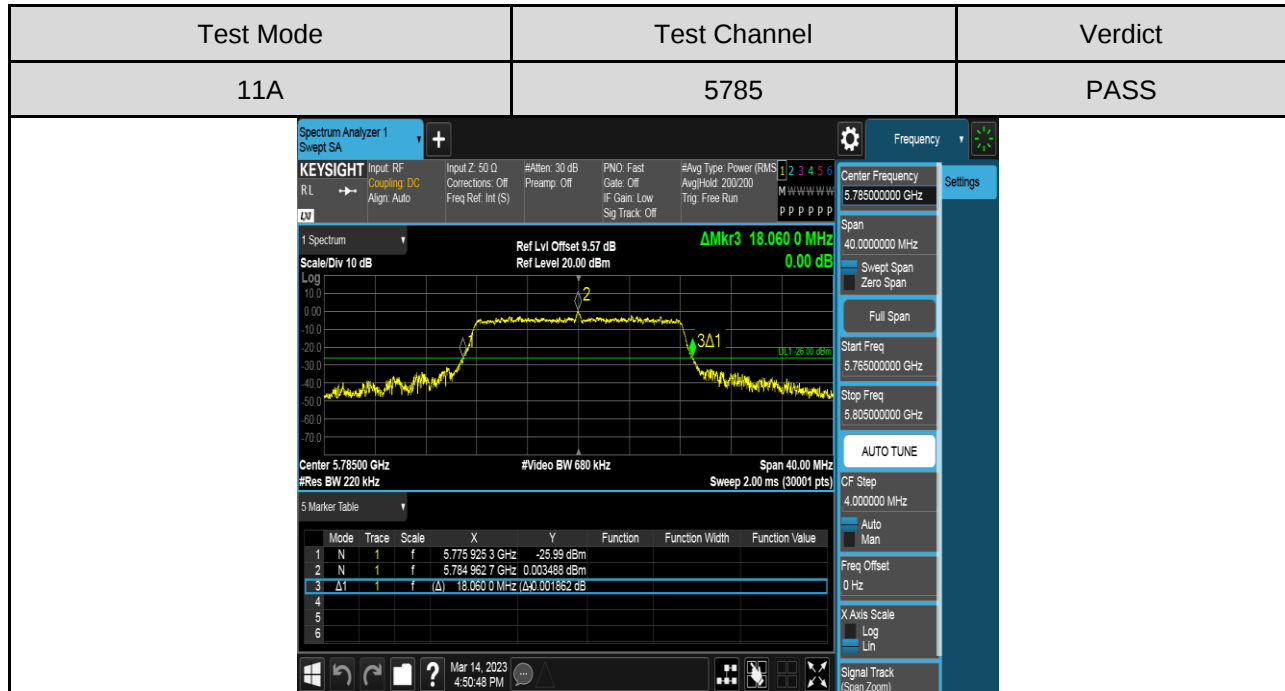
Remark: The two antennas had been tested, but only the worst data was recorded in the report.

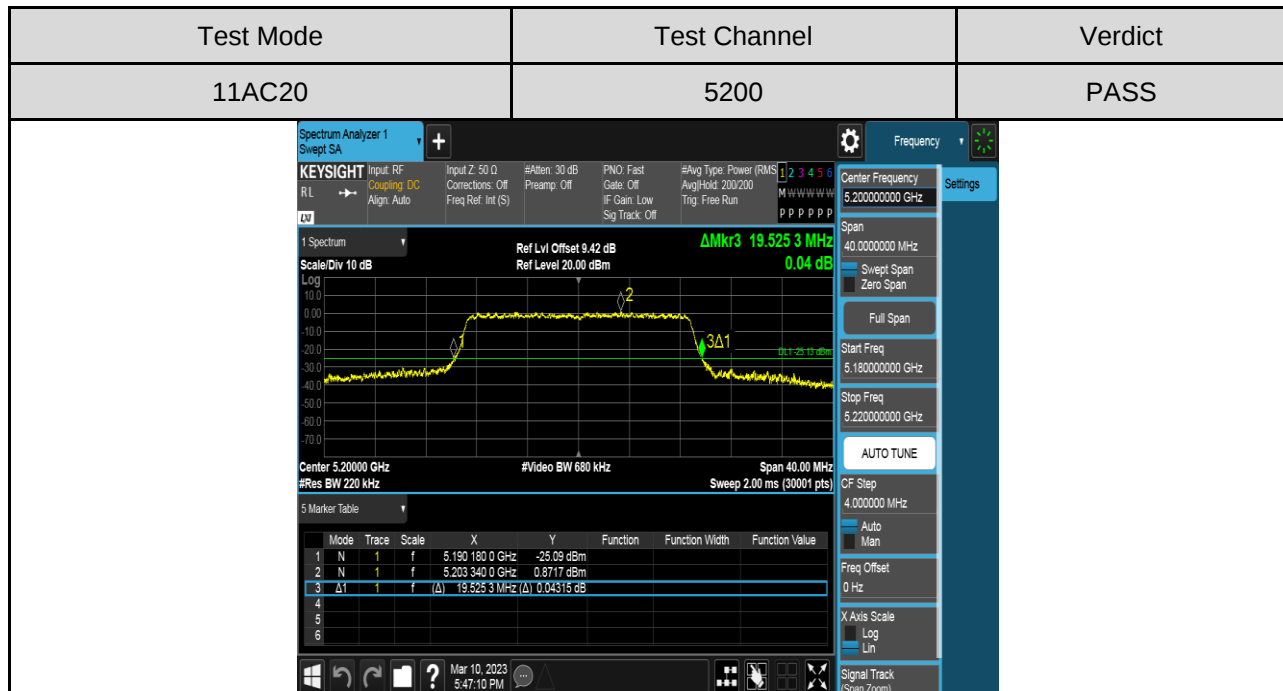
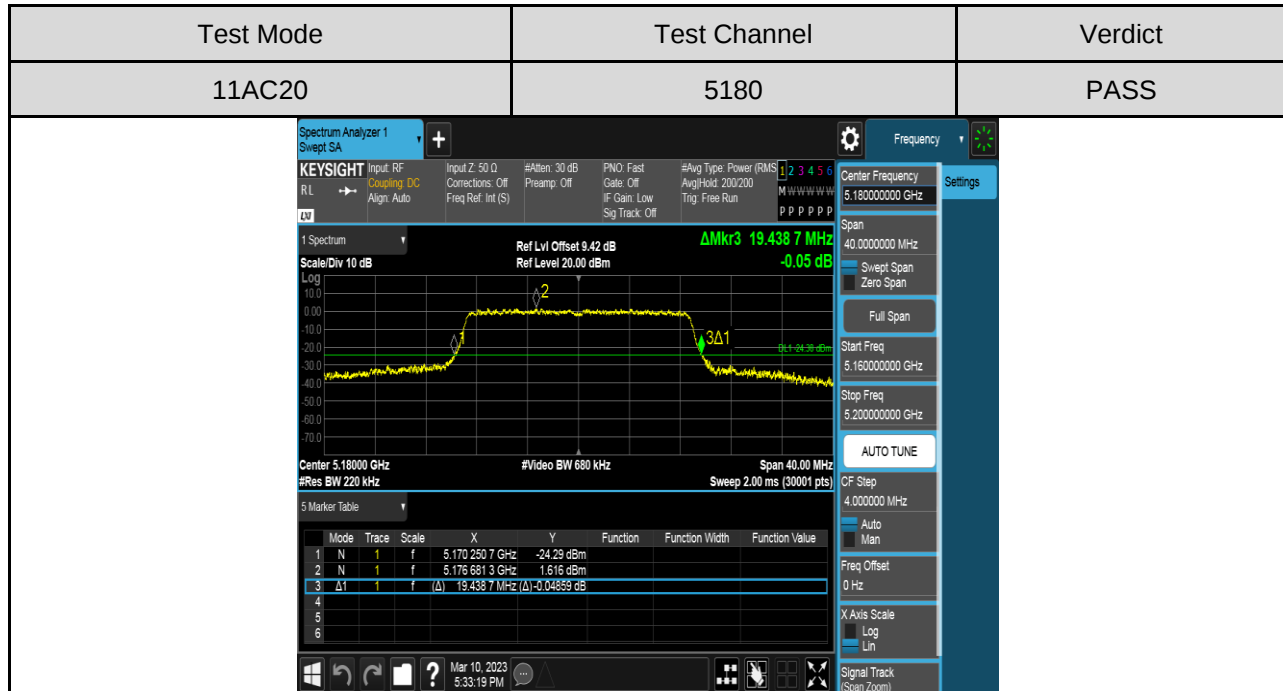
Test Graphs

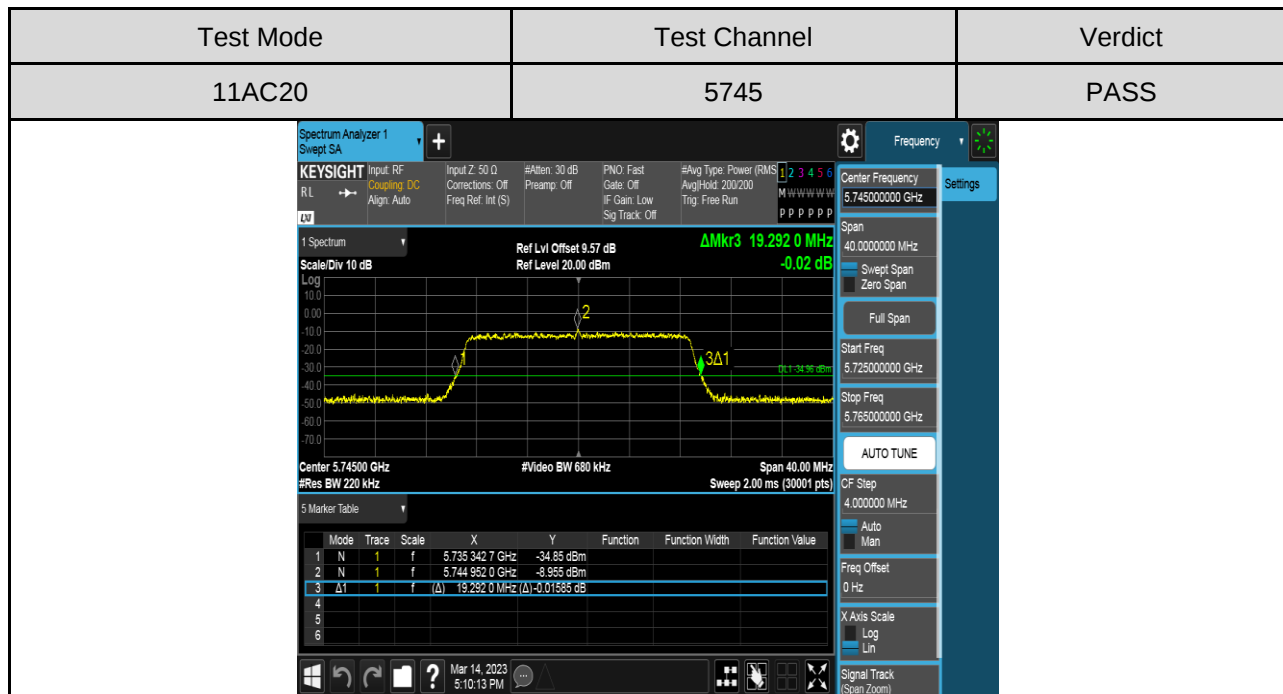
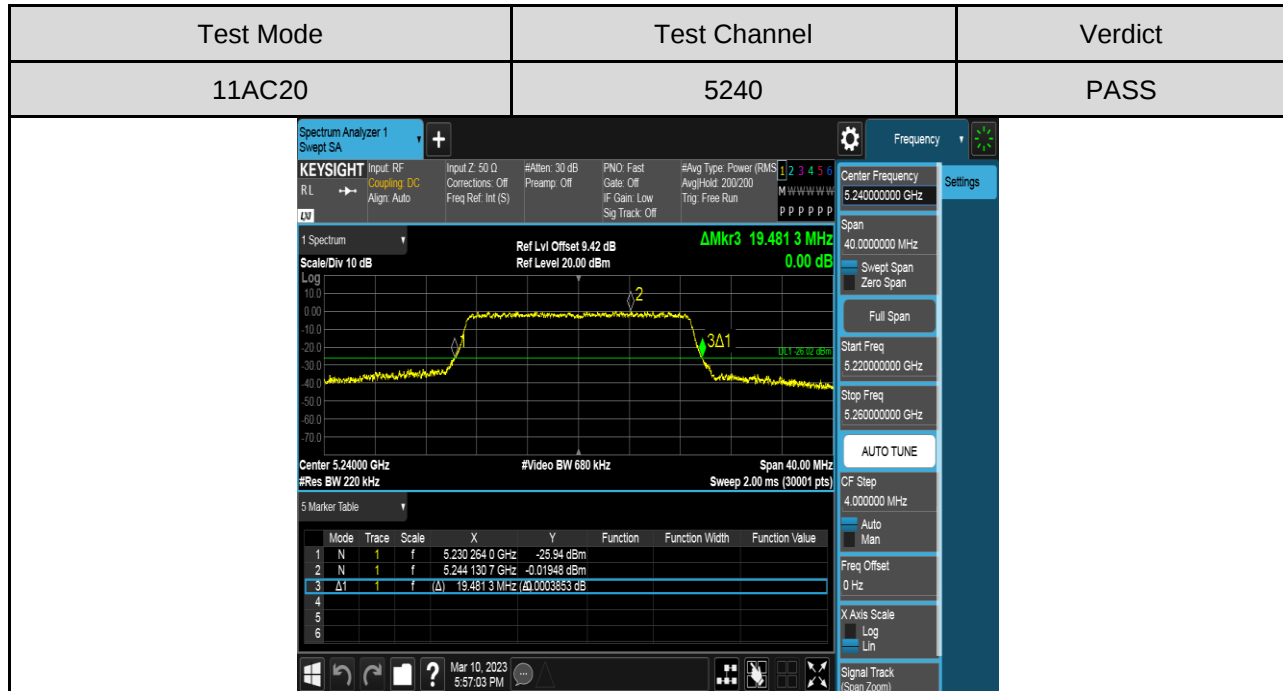
I) For 26 dB Emission Bandwidth Antenna 1 Part:

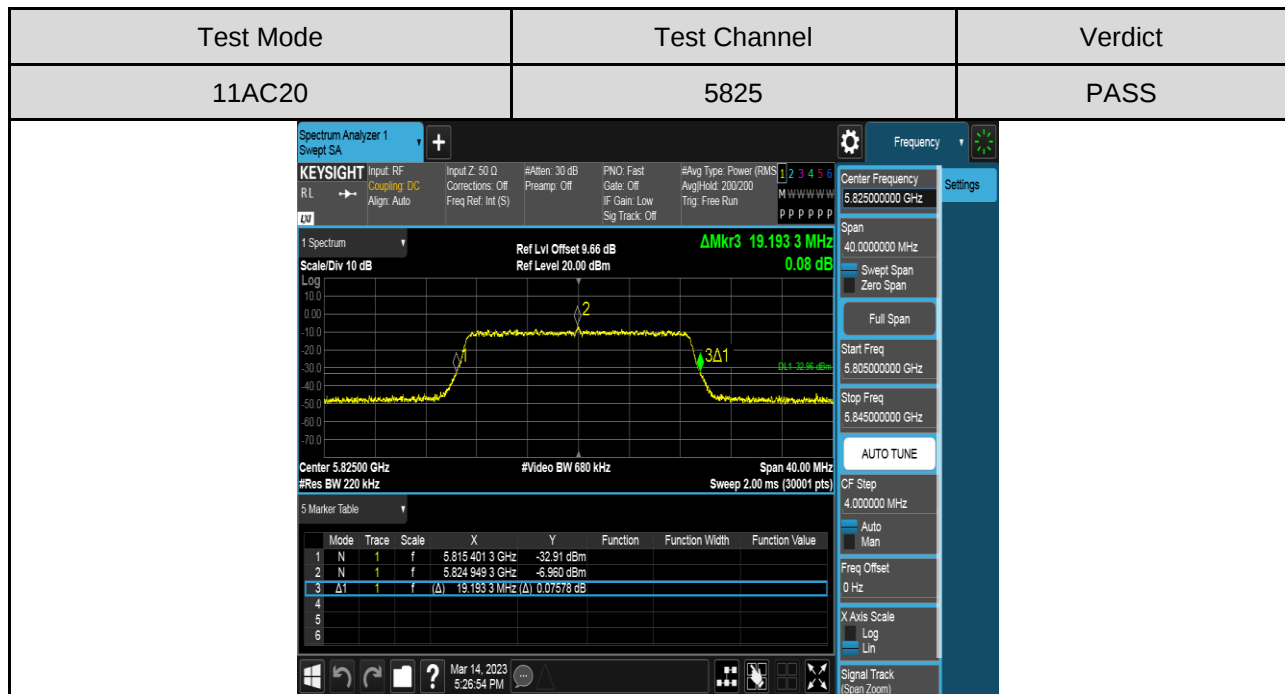
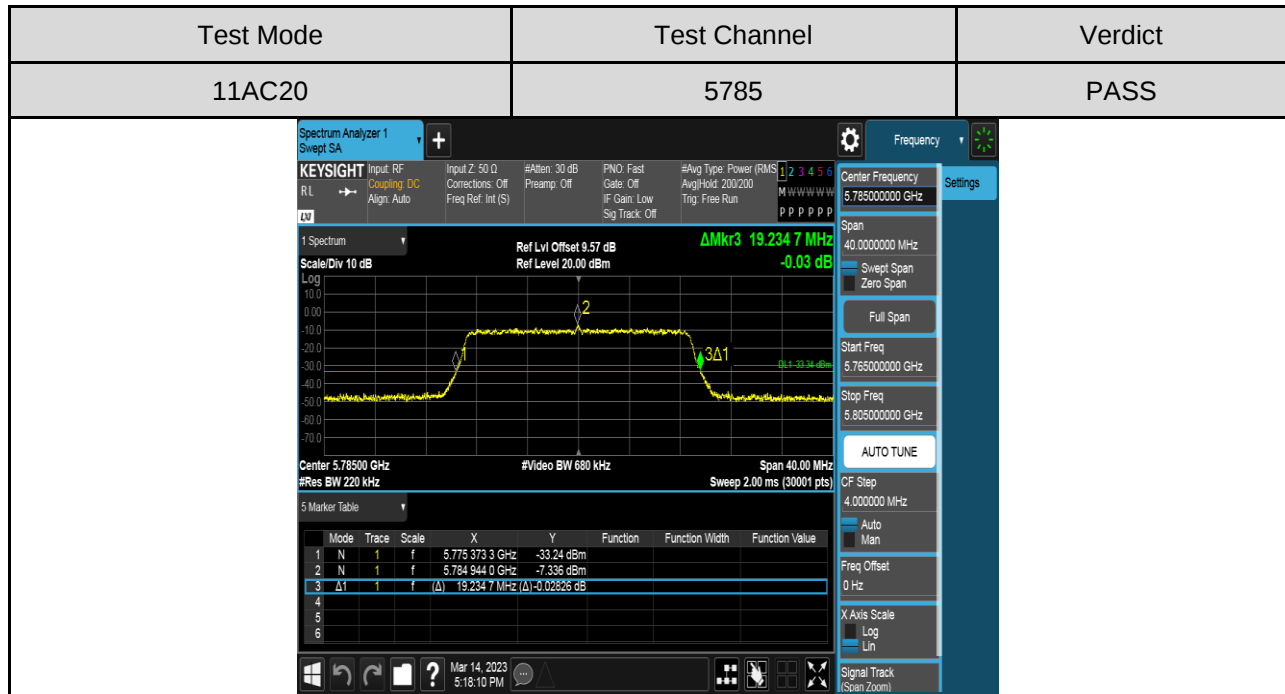


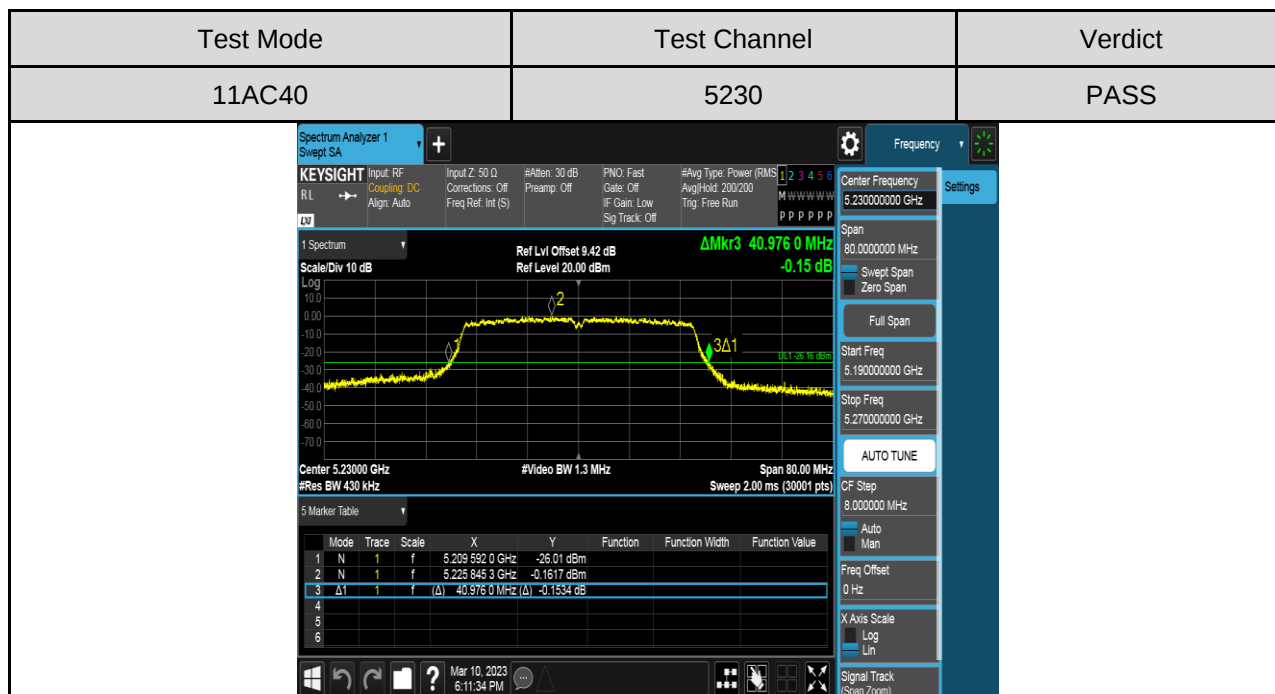
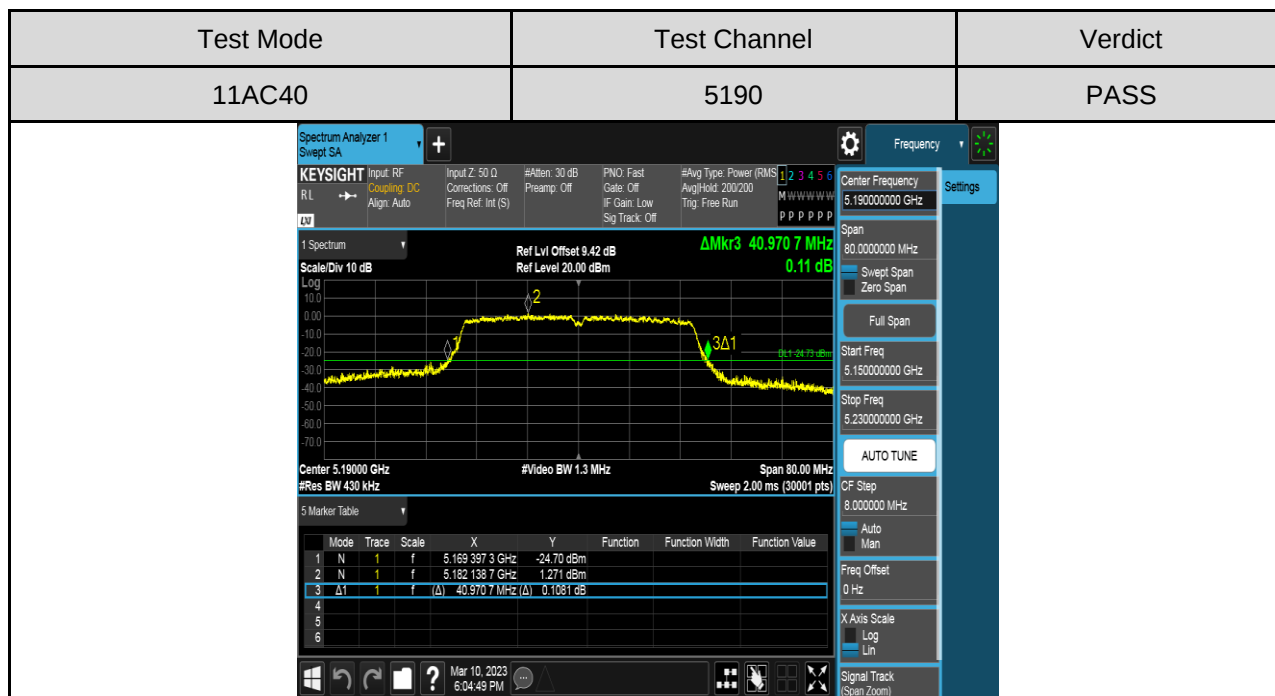


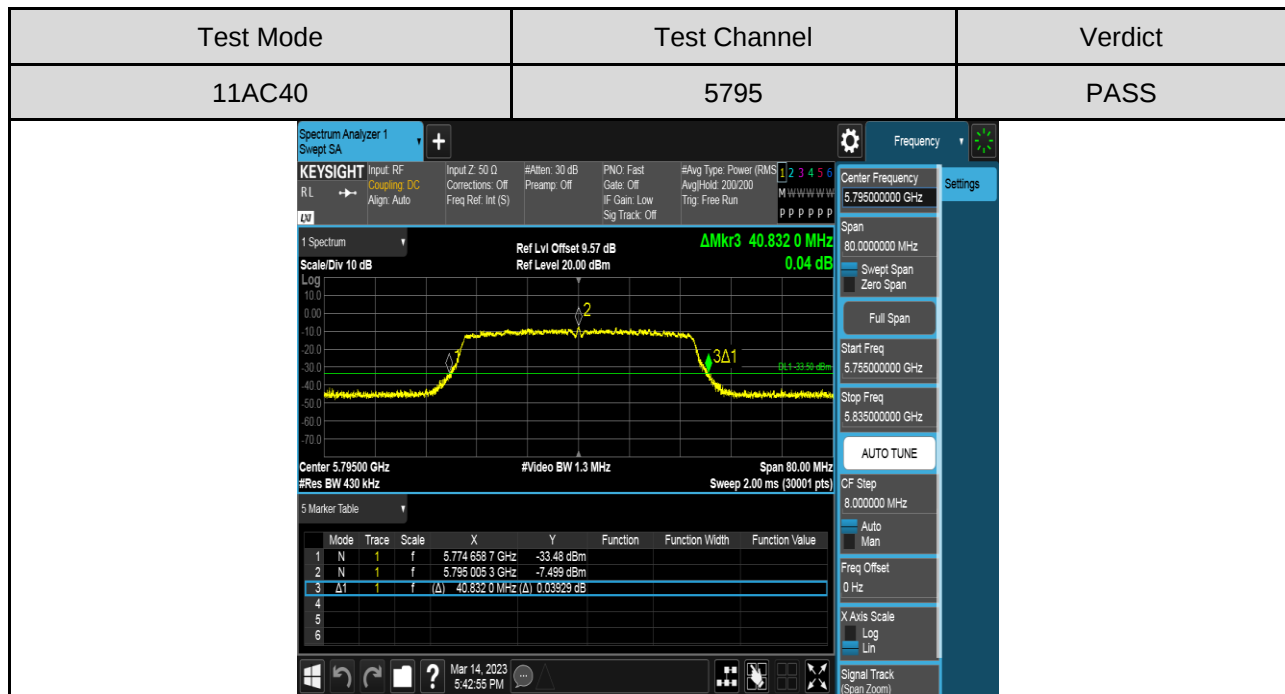
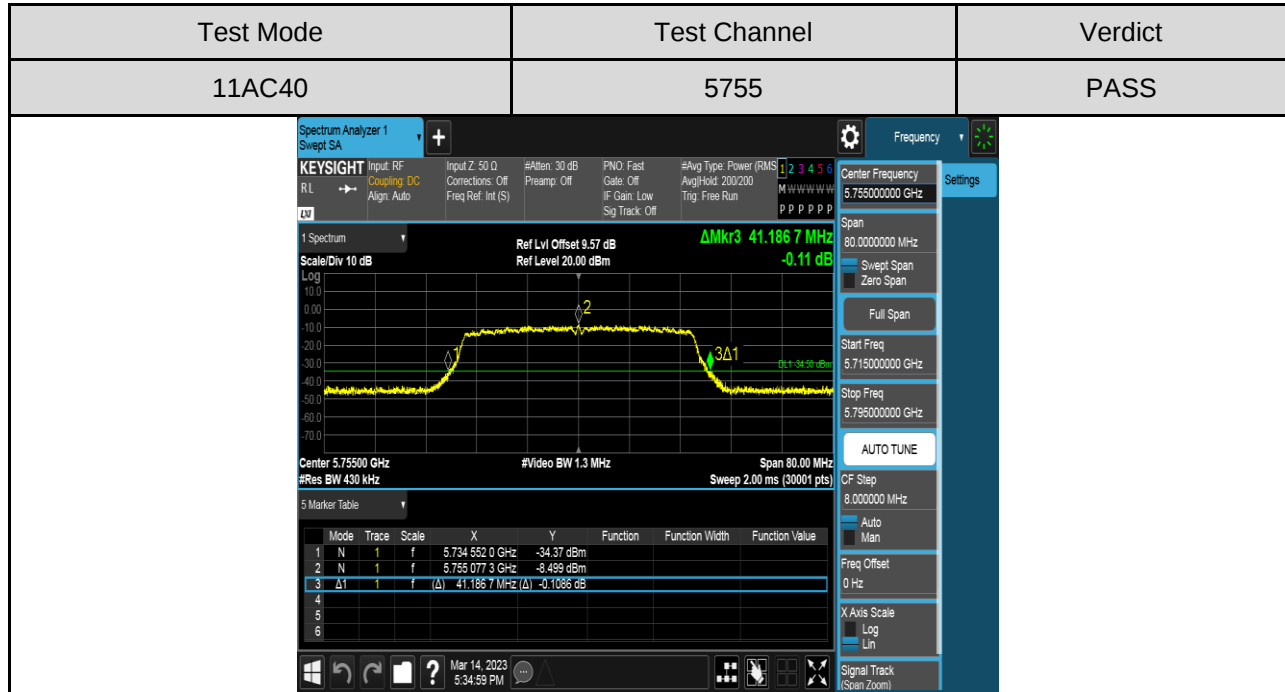


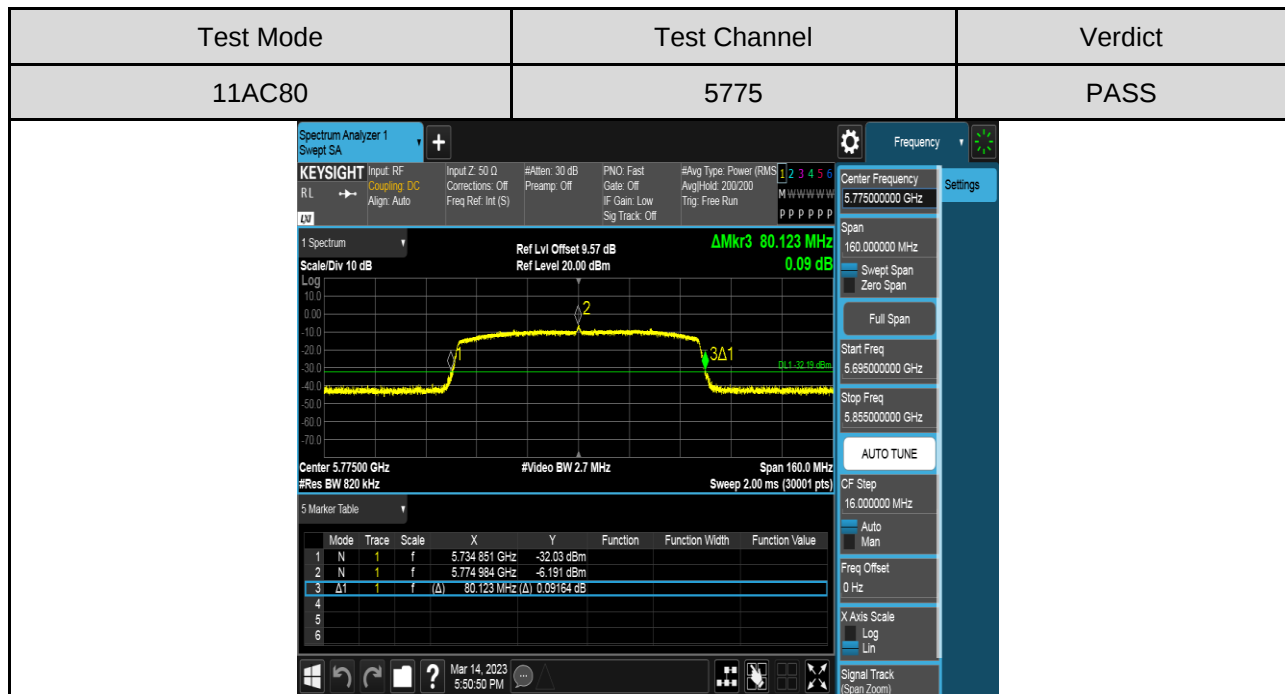
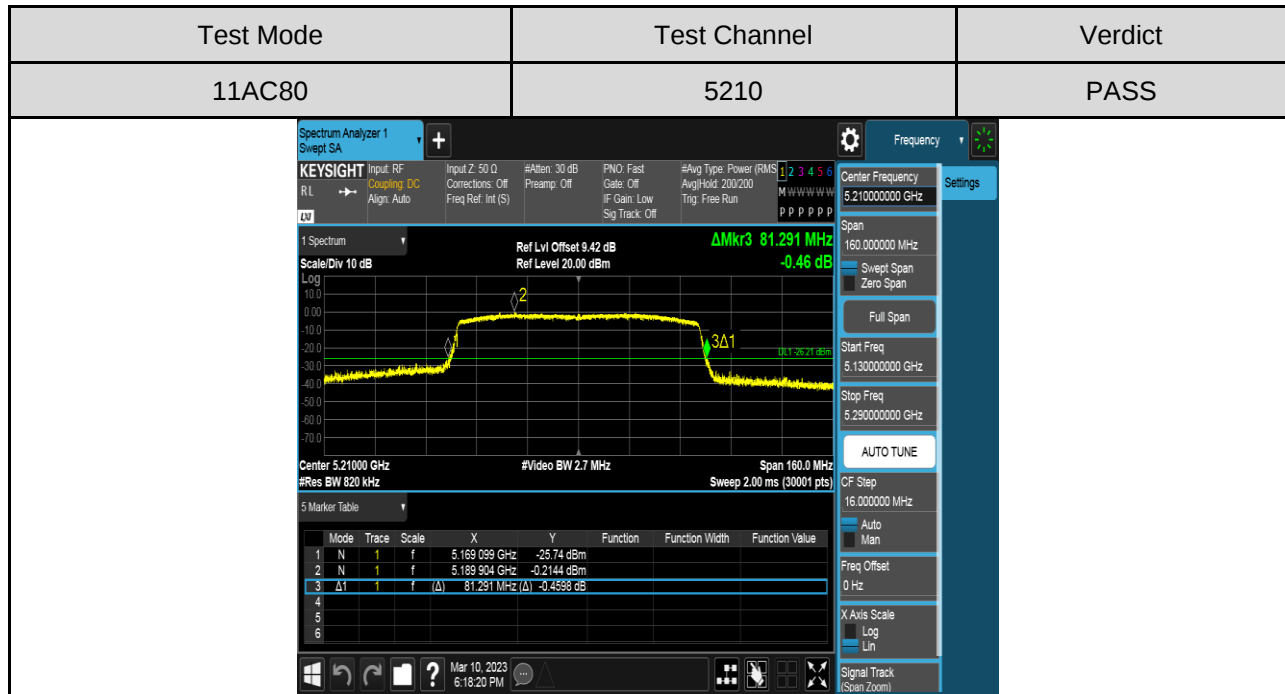




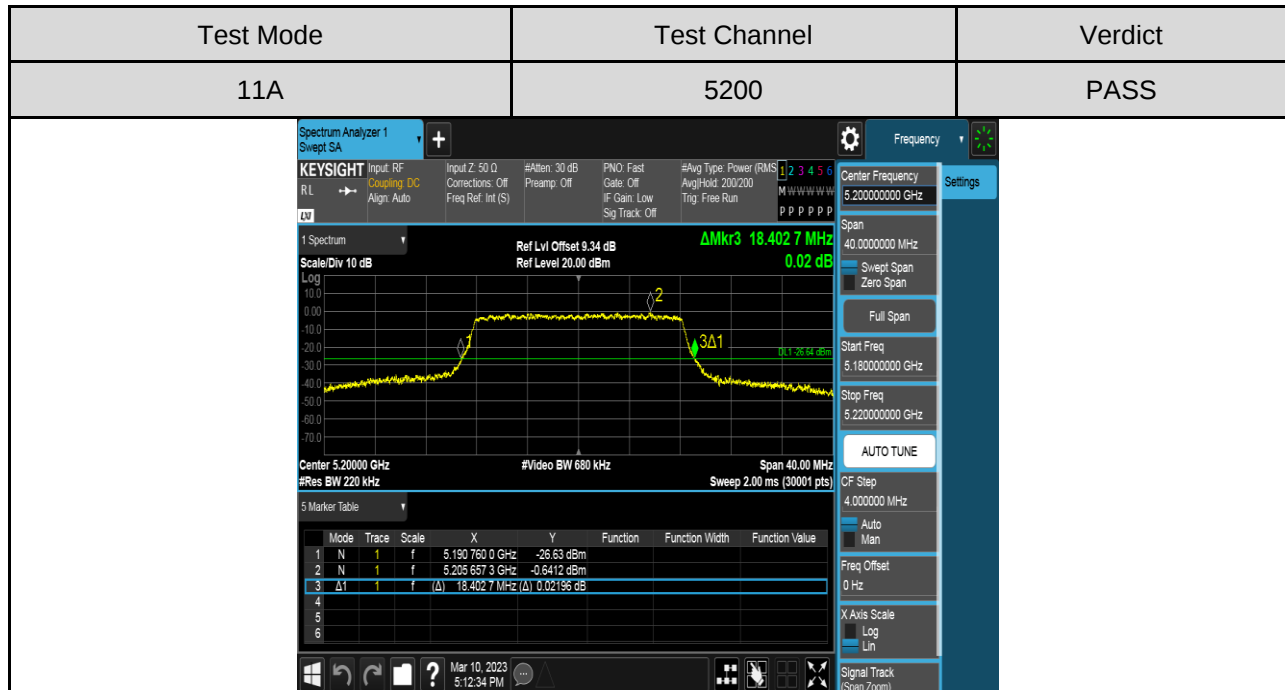
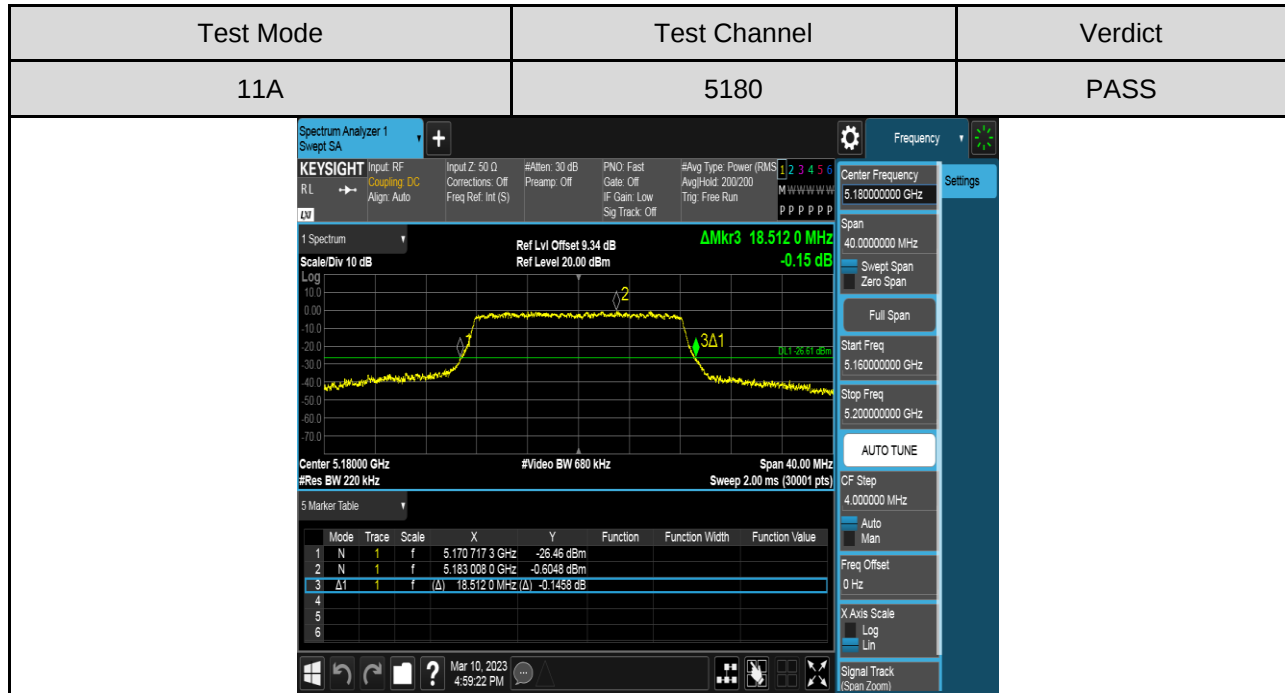


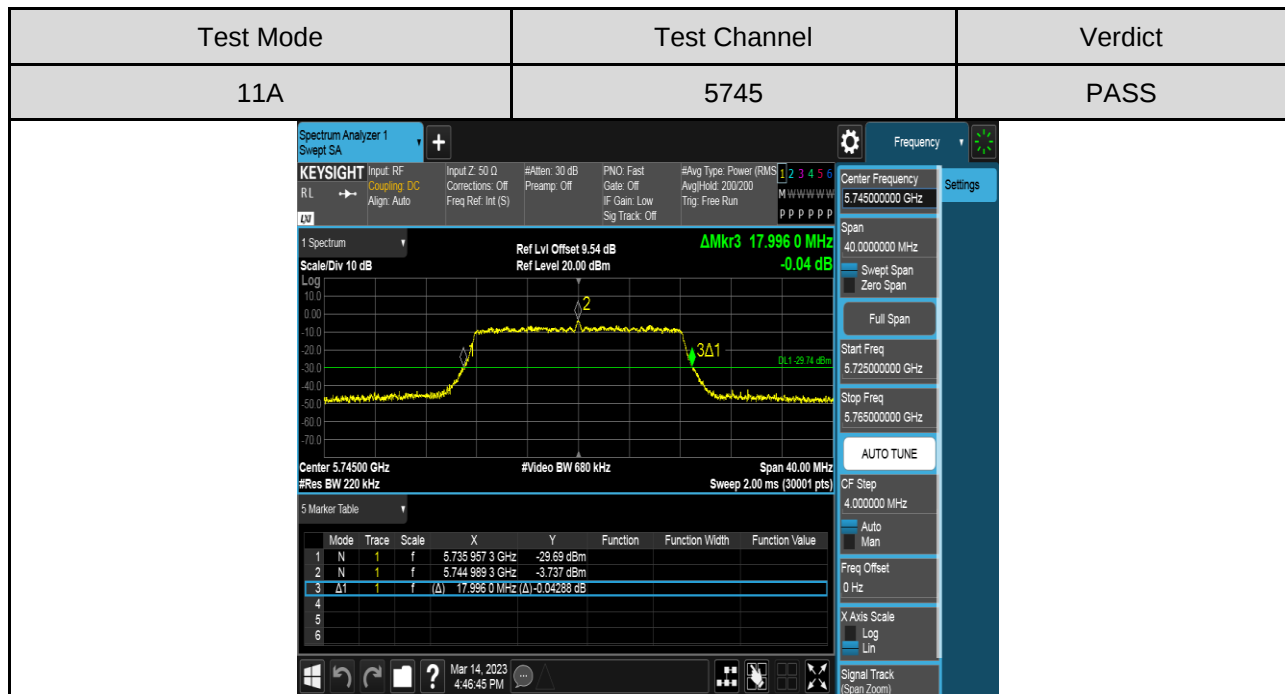
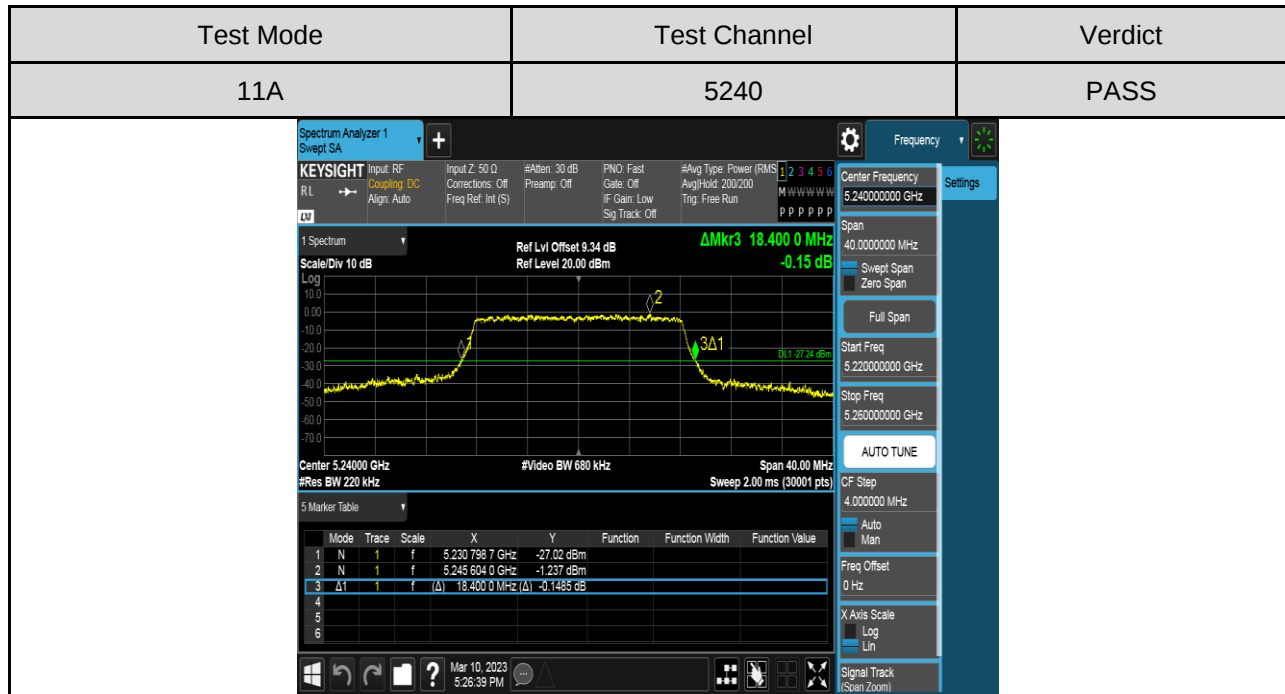


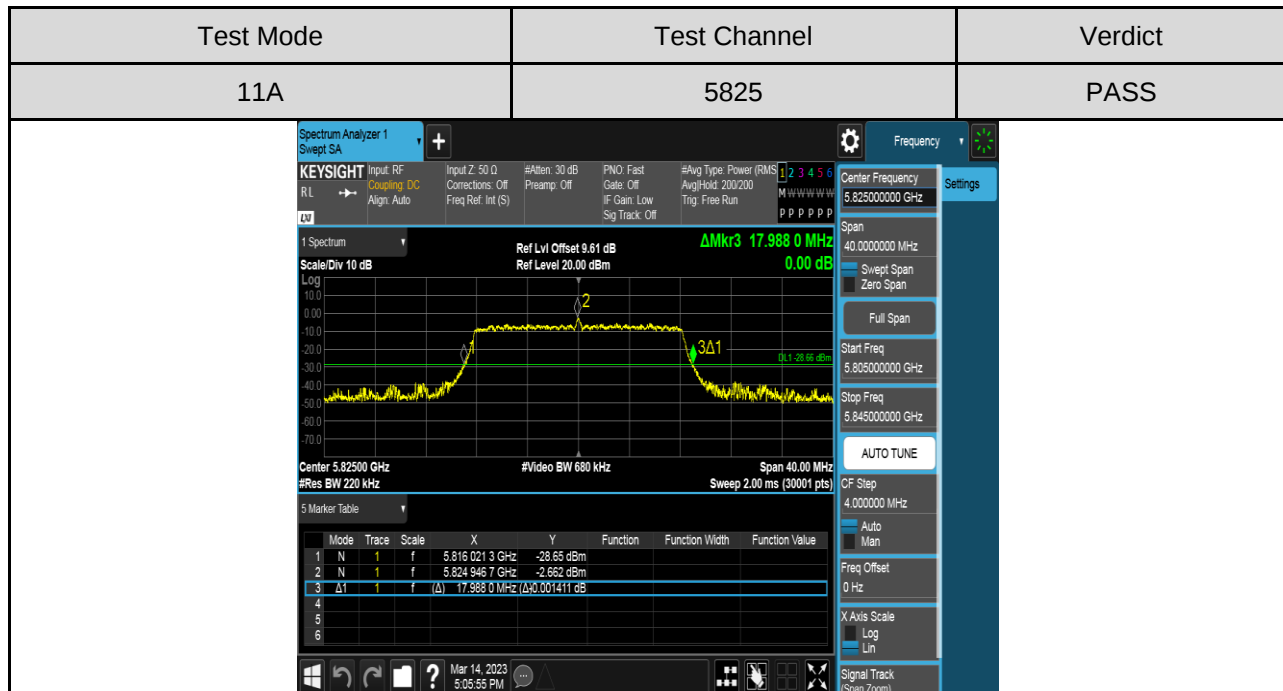
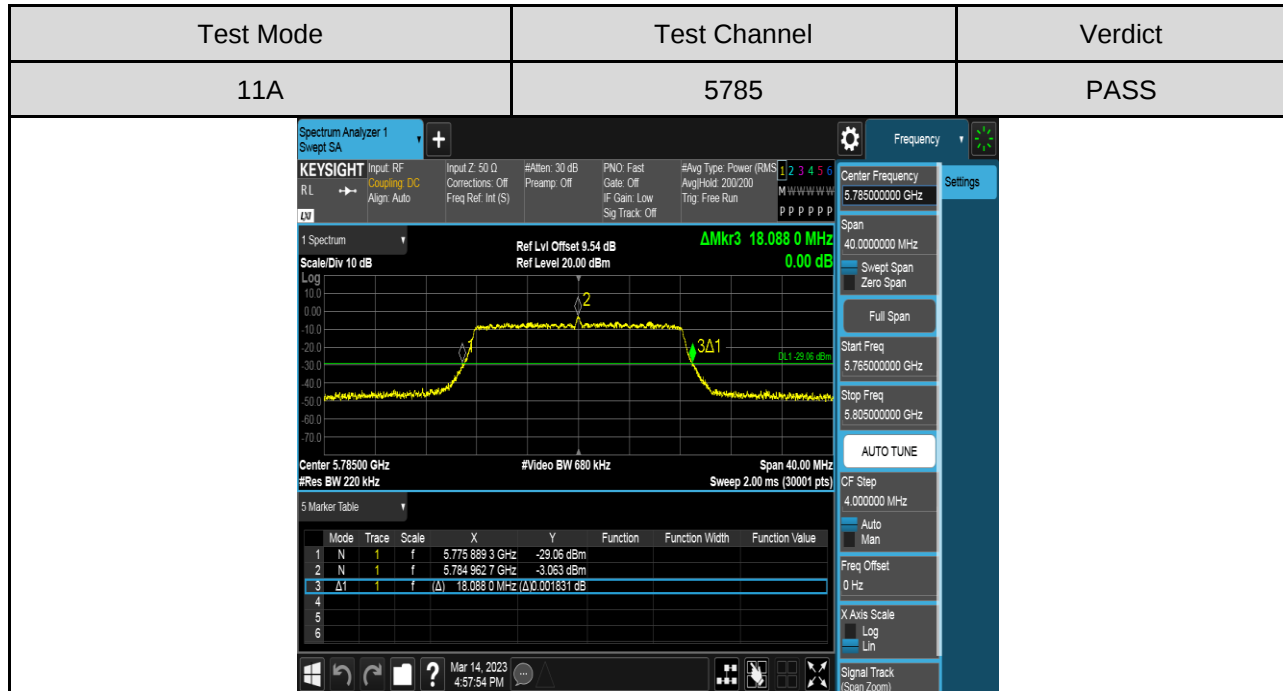


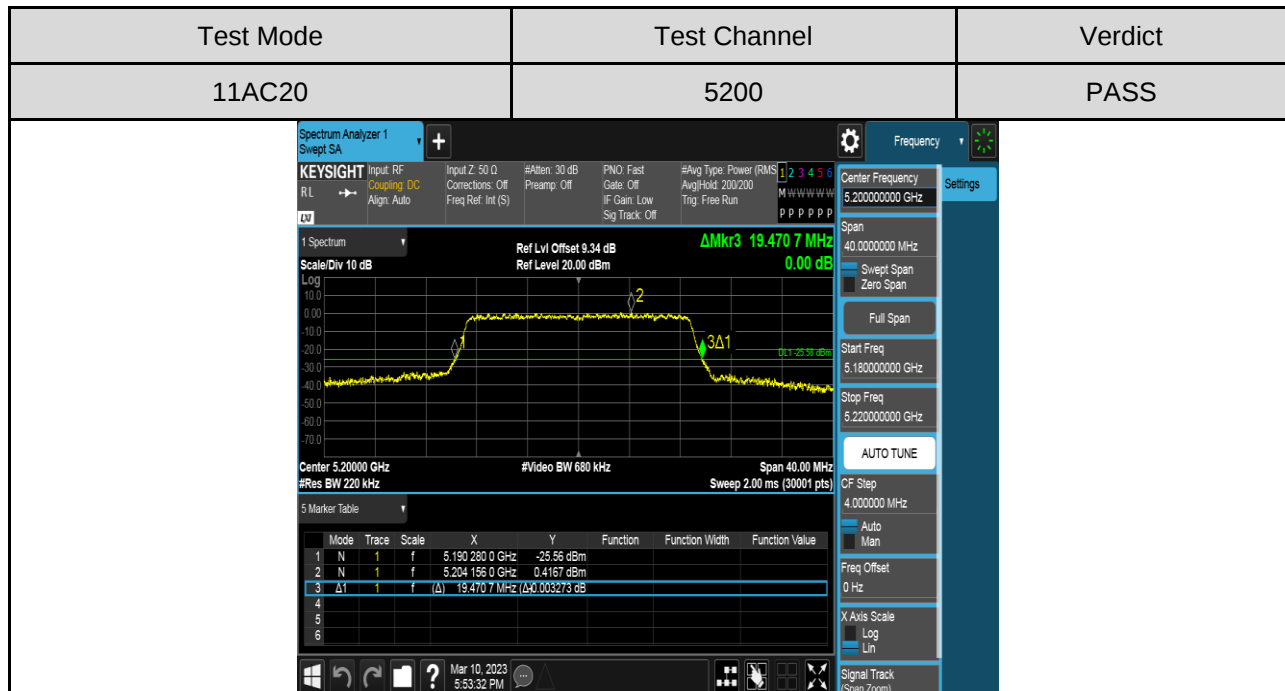
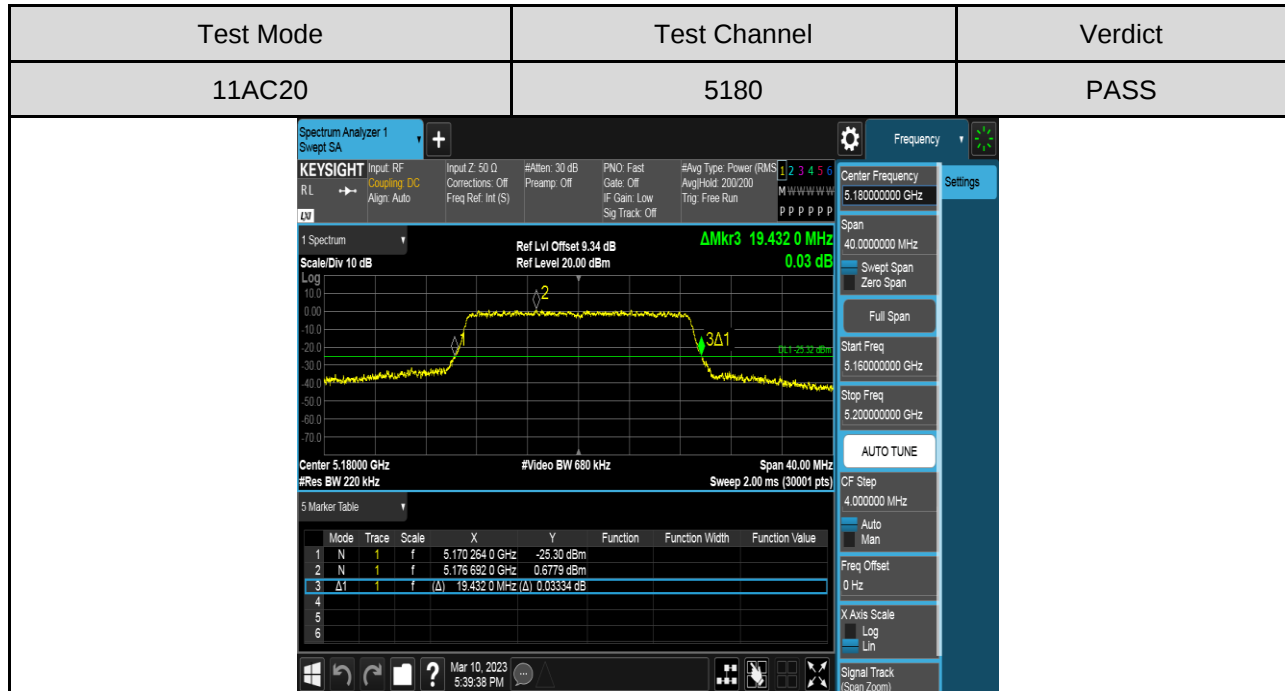


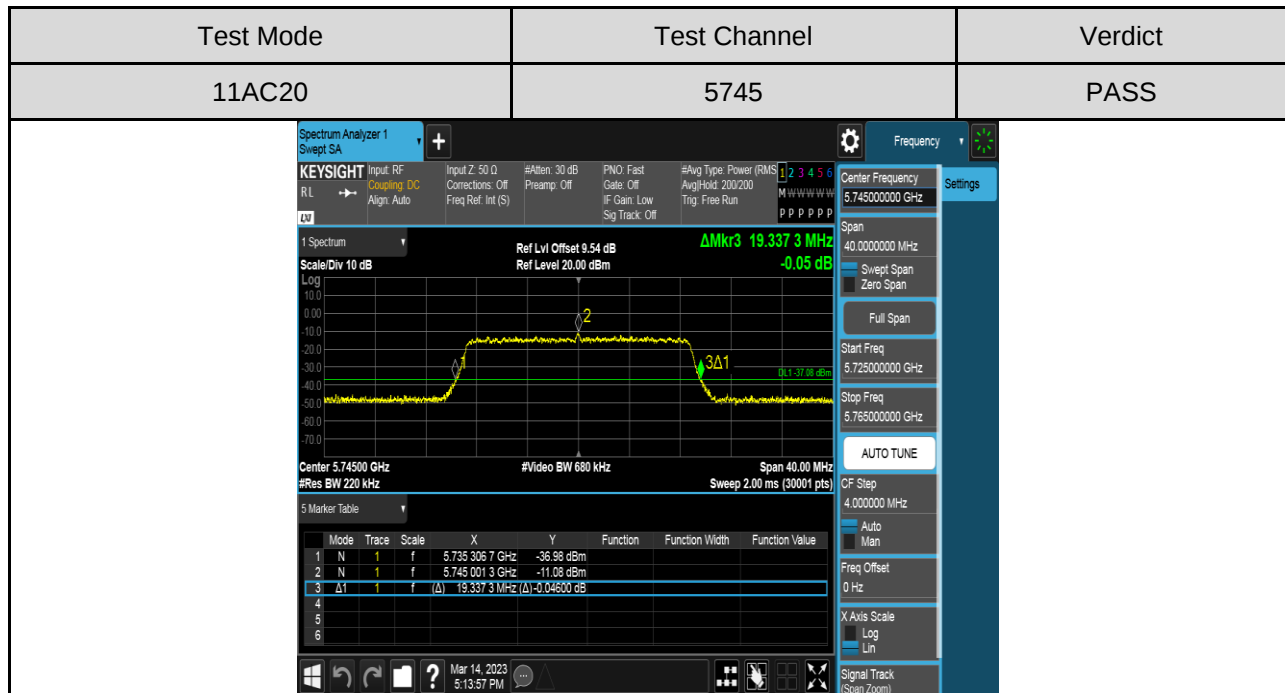
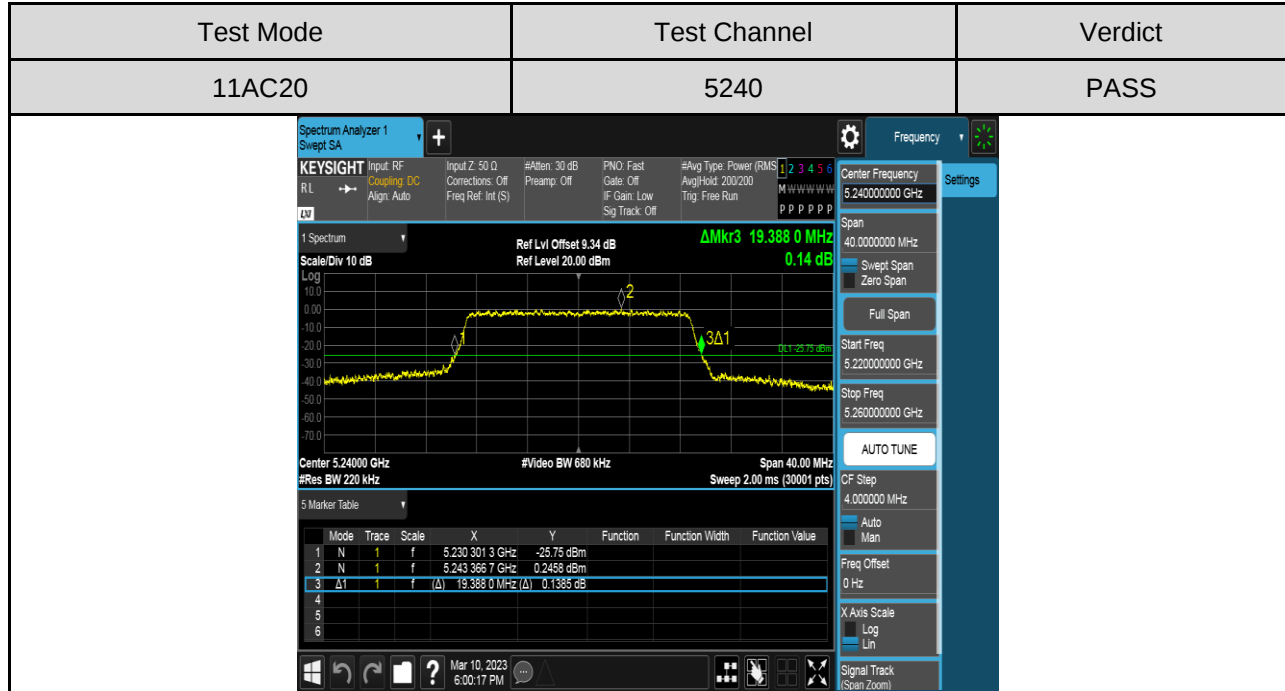
II) For 26 dB Emission Bandwidth Antenna 2 Part:

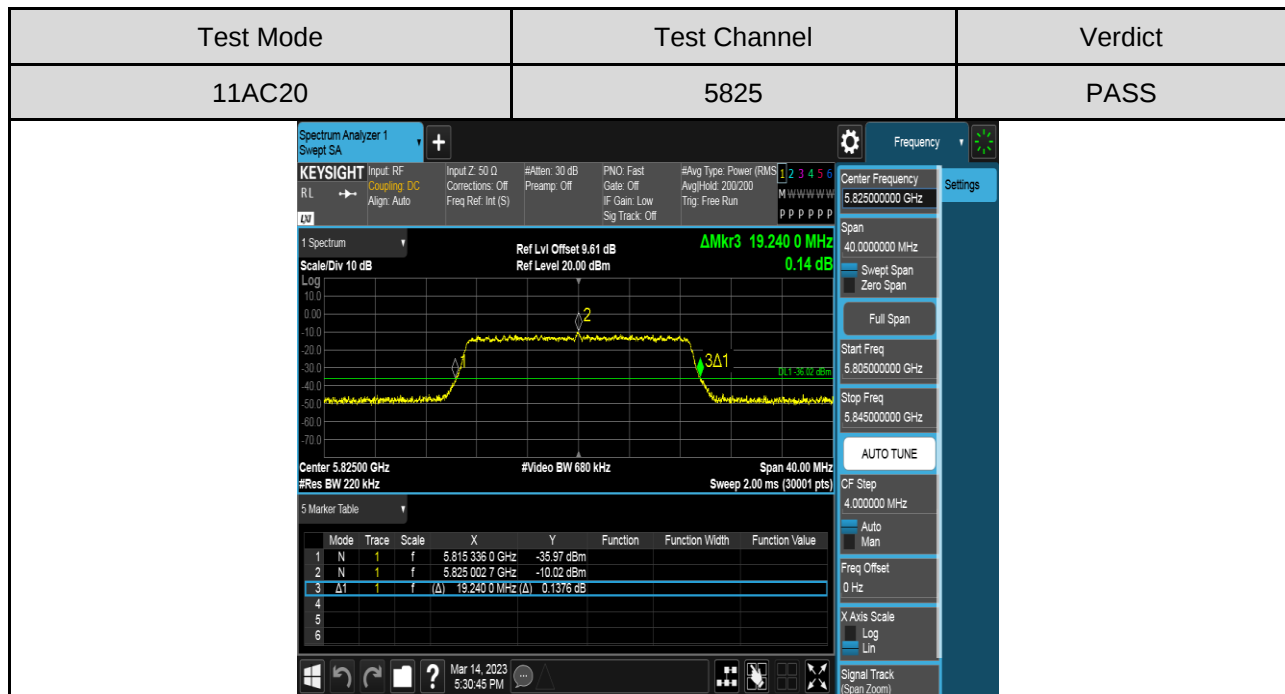
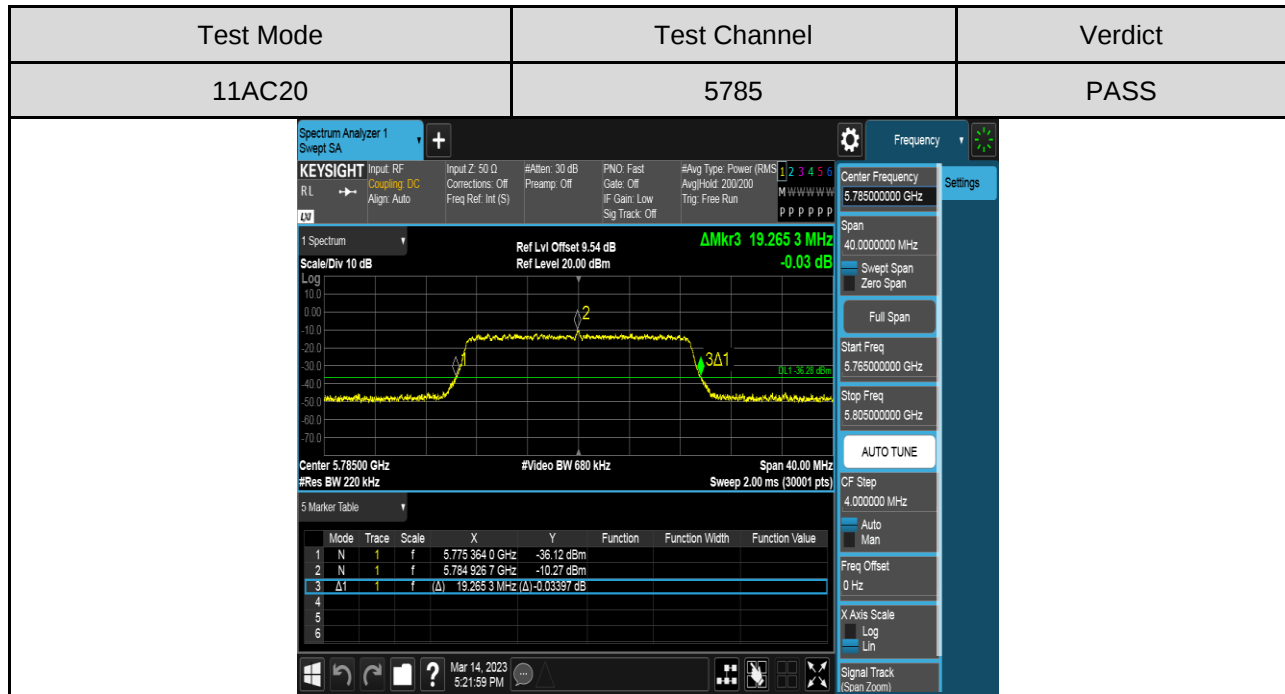


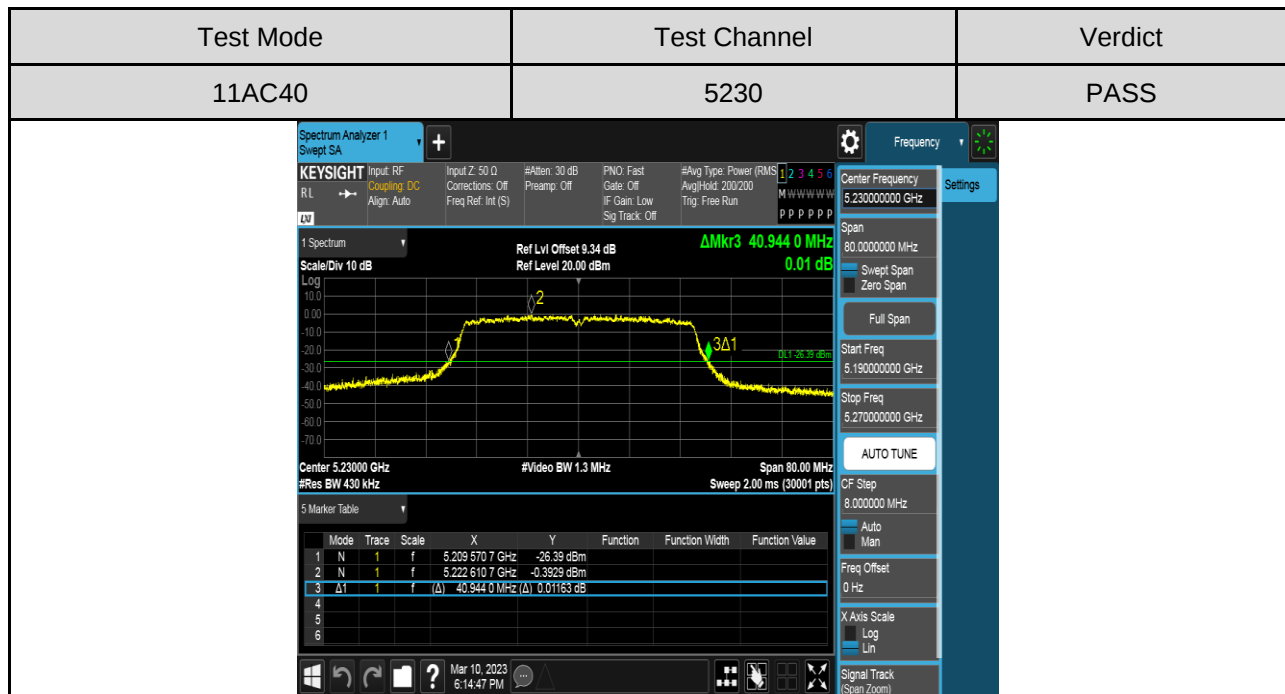
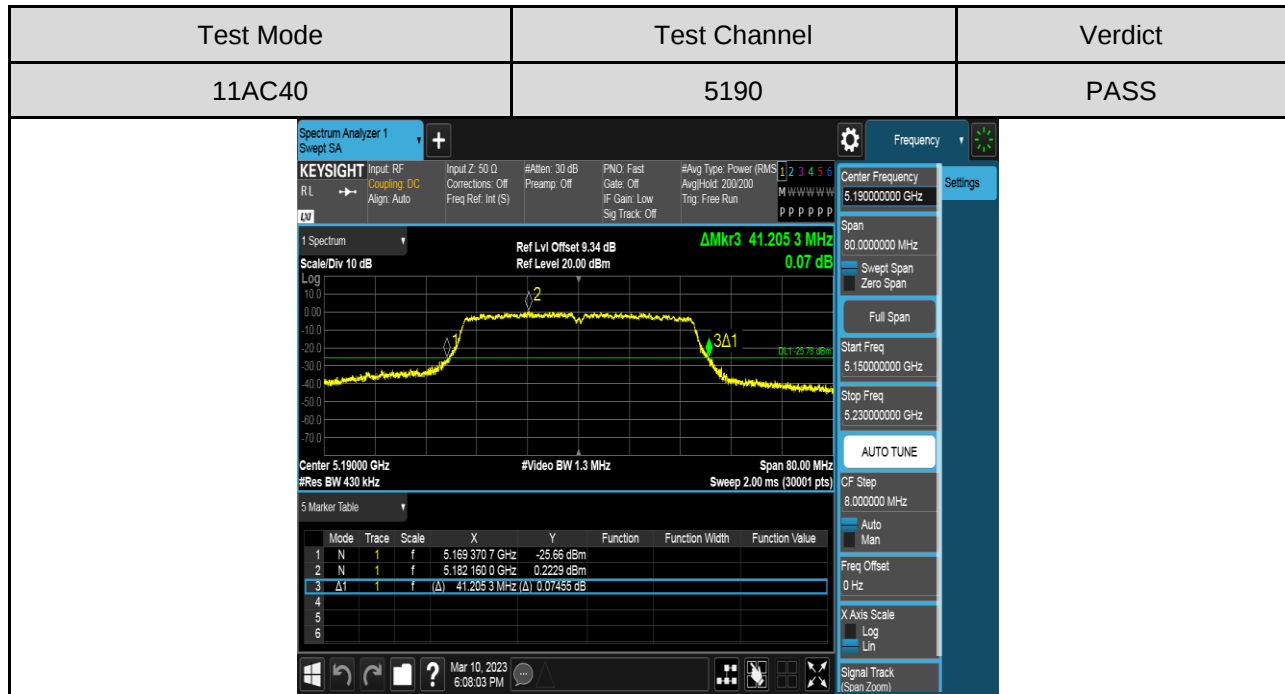


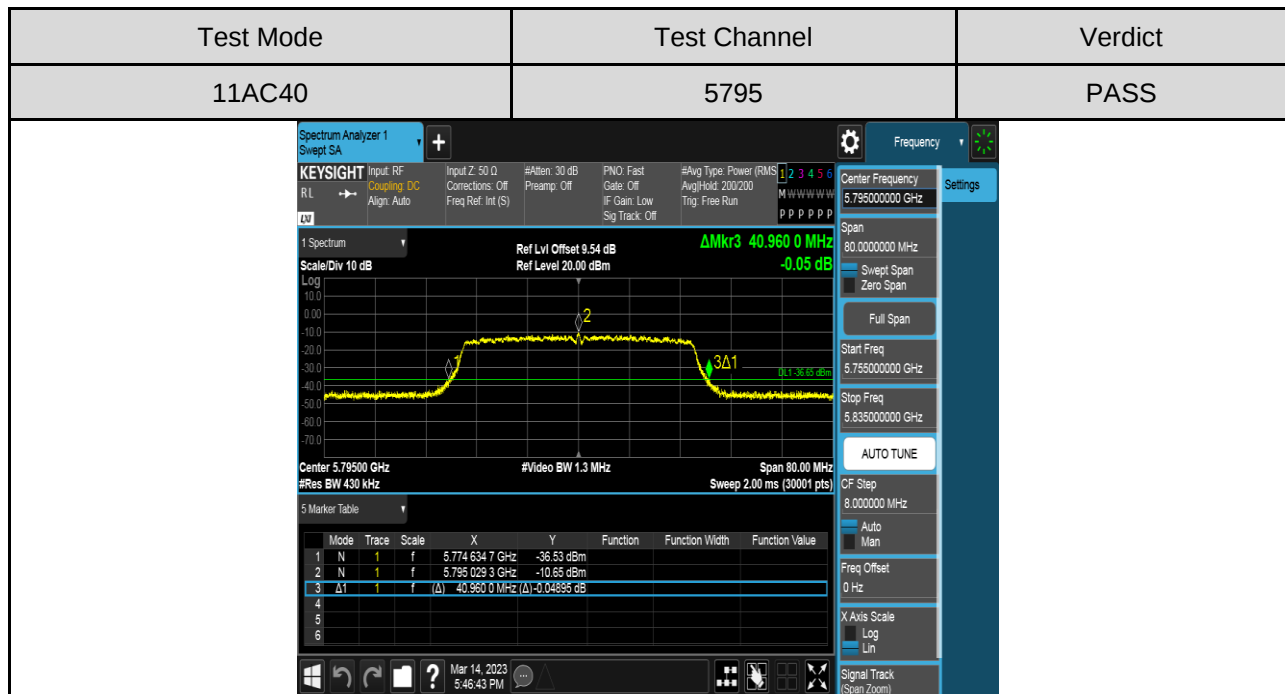
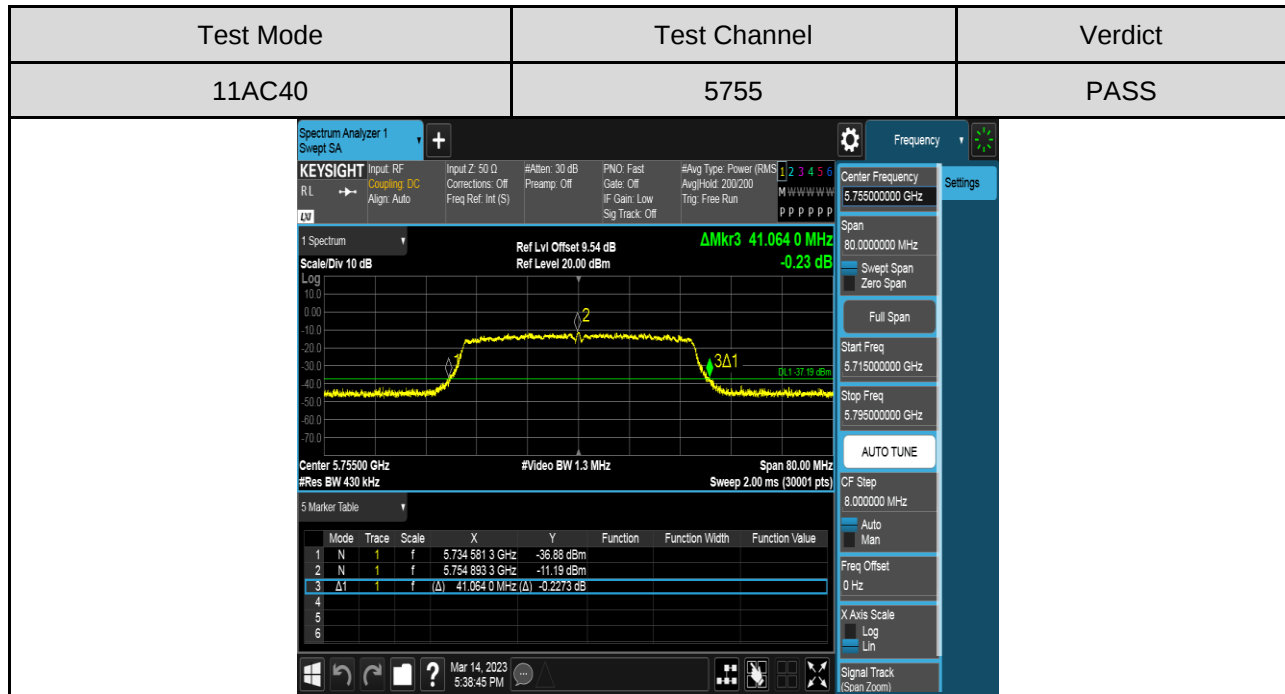


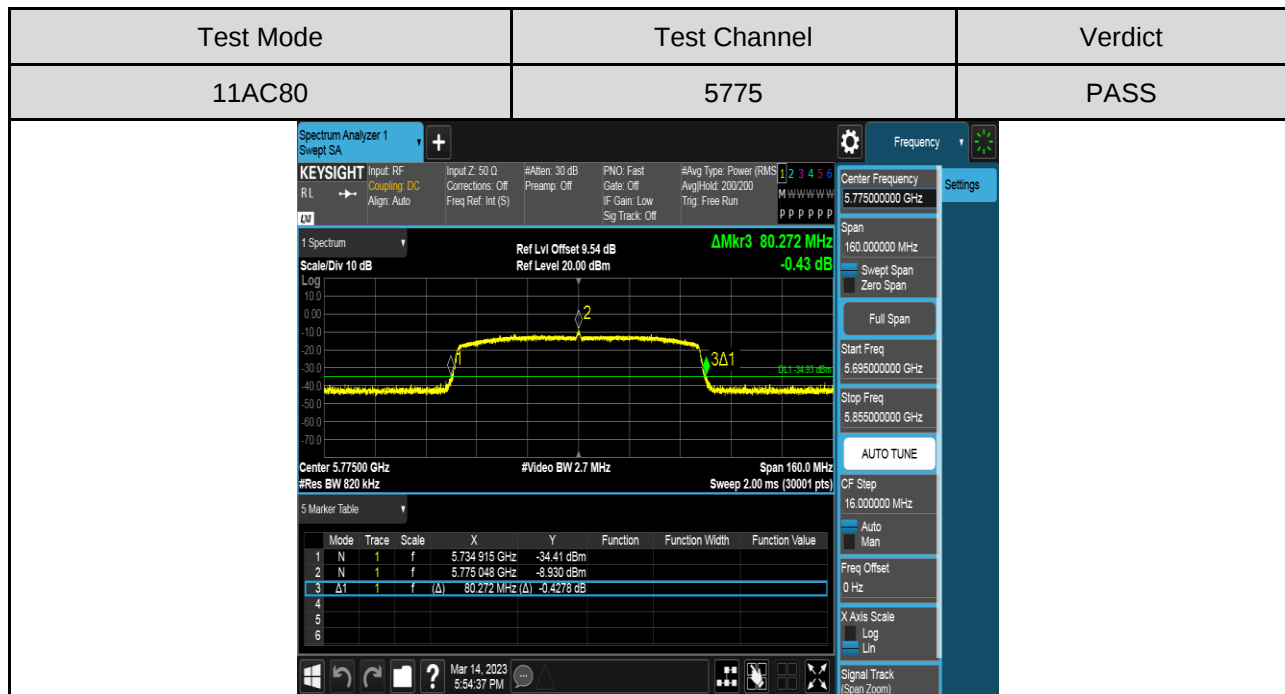
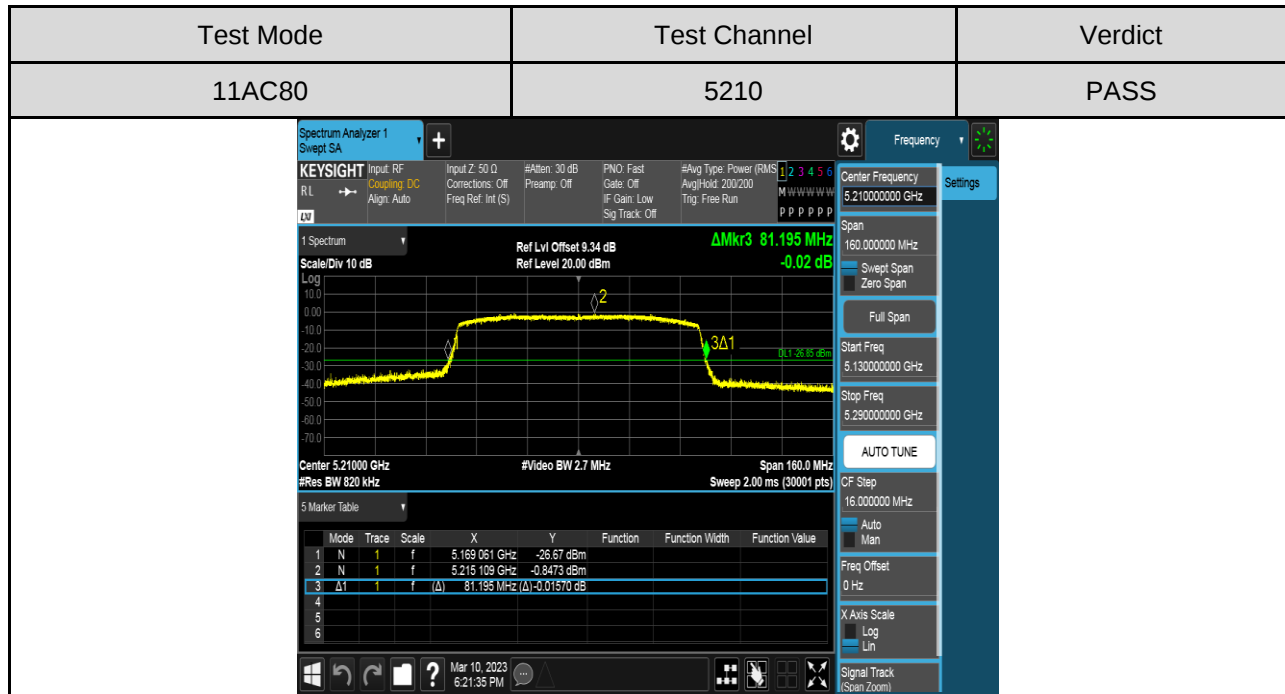












III) For 6 dB Emission Bandwidth Antenna 1 Part:

