









11AC80MIMO Ant2 5775



10. Maximum Output Power

10.1. Block Diagram of Test Setup

Same as section 8.1

10.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	<input type="checkbox"/> Outdoor Access Point: 1 W (30 dBm)	5150-5250
	<input type="checkbox"/> Indoor Access Point: 1 W (30 dBm)	
	<input type="checkbox"/> Fixed Point-To-Point Access Points: 1 W (30 dBm)	
	<input checked="" type="checkbox"/> Client Devices: 250 mW (24 dBm)	
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250-5350 5470-5725
	Shall not exceed 1 Watt (30 dBm).	5725-5850

Note: The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

10.3. Test Procedure

- (1) Connect each EUT's antenna output to power meter by RF cable and attenuator
- (2) Add each antenna port's results to get the total output power of EUT.

10.4. Test Result

Test Mode	Ant.	Freq. (MHz)	Channel Power (dBm)	DC Factor (dBm)	Result (dBm)	Limit (dBm)	Verdict
11A	Ant1	5180	11.65	0.18	11.83	≤23.98	PASS
	Ant2	5180	12.50	0.15	12.65	≤23.98	PASS
	Ant1	5200	13.01	0.15	13.16	≤23.98	PASS
	Ant2	5200	12.37	0.18	12.55	≤23.98	PASS
	Ant1	5240	11.62	0.15	11.77	≤23.98	PASS
	Ant2	5240	13.35	0.18	13.53	≤23.98	PASS
	Ant1	5260	12.41	0.15	12.56	≤23.98	PASS
	Ant2	5260	13.25	0.18	13.43	≤23.98	PASS
	Ant1	5280	13.59	0.18	13.77	≤23.98	PASS
	Ant2	5280	12.70	0.18	12.88	≤23.98	PASS
	Ant1	5320	12.04	0.18	12.22	≤23.90	PASS
	Ant2	5320	11.76	0.15	11.91	≤23.83	PASS
	Ant1	5500	13.49	0.18	13.67	≤23.98	PASS
	Ant2	5500	13.70	0.18	13.88	≤23.98	PASS
	Ant1	5580	13.11	0.15	13.26	≤23.98	PASS
	Ant2	5580	13.91	0.18	14.09	≤23.98	PASS
	Ant1	5700	13.48	0.18	13.66	≤23.98	PASS
	Ant2	5700	12.87	0.15	13.02	≤23.98	PASS
	Ant1	5720_UNII-2C	10.31	0.15	10.46	≤23.98	PASS
	Ant2	5720_UNII-2C	13.94	0.18	14.12	≤23.98	PASS
	Ant1	5720_UNII-3	2.48	0.15	2.63	≤30.00	PASS
	Ant2	5720_UNII-3	6.26	0.18	6.44	≤30.00	PASS
	Ant1	5745	10.57	0.15	10.72	≤30.00	PASS
	Ant2	5745	14.72	0.15	14.87	≤30.00	PASS
Ant1	5785	12.09	0.15	12.24	≤30.00	PASS	
Ant2	5785	14.09	0.15	14.24	≤30.00	PASS	
Ant1	5825	13.15	0.18	13.33	≤30.00	PASS	

11N20MIMO	Ant2	5825	14.12	0.15	14.27	≤30.00	PASS
	Ant1	5180	10.74	0.20	10.94	≤23.98	PASS
	Ant2	5180	10.39	0.20	10.59	≤23.98	PASS
	total	5180	---	---	13.78	≤23.98	PASS
	Ant1	5200	9.58	0.20	9.78	≤23.98	PASS
	Ant2	5200	8.14	0.16	8.30	≤23.98	PASS
	total	5200	---	---	12.11	≤23.98	PASS
	Ant1	5240	11.74	0.16	11.90	≤23.98	PASS
	Ant2	5240	9.75	0.16	9.91	≤23.98	PASS
	total	5240	---	---	14.03	≤23.98	PASS
	Ant1	5260	11.37	0.16	11.53	≤23.98	PASS
	Ant2	5260	10.71	0.20	10.91	≤23.98	PASS
	total	5260	---	---	14.24	≤23.98	PASS
	Ant1	5280	9.45	0.20	9.65	≤23.98	PASS
	Ant2	5280	9.25	0.20	9.45	≤23.98	PASS
	total	5280	---	---	12.56	≤23.98	PASS
	Ant1	5320	9.98	0.20	10.18	≤23.93	PASS
	Ant2	5320	8.26	0.16	8.42	≤23.98	PASS
	total	5320	---	---	12.40	≤23.98	PASS
	Ant1	5500	12.34	0.16	12.50	≤23.98	PASS
	Ant2	5500	10.59	0.20	10.79	≤23.98	PASS
	total	5500	---	---	14.74	≤23.98	PASS
	Ant1	5580	11.65	0.16	11.81	≤23.98	PASS
	Ant2	5580	11.30	0.16	11.46	≤23.98	PASS
	total	5580	---	---	14.65	≤23.98	PASS
	Ant1	5700	11.81	0.16	11.97	≤23.98	PASS
	Ant2	5700	13.09	0.20	13.29	≤23.98	PASS
	total	5700	---	---	15.69	≤23.98	PASS
	Ant1	5720_UNII-2C	9.48	0.16	9.64	≤23.98	PASS
	Ant2	5720_UNII-2C	12.97	0.16	13.13	≤23.88	PASS
	total	5720_UNII-2C	---	---	14.74	≤23.98	PASS
	Ant1	5720_UNII-3	2.60	0.16	2.76	≤30.00	PASS
	Ant2	5720_UNII-3	5.89	0.16	6.05	≤30.00	PASS
	total	5720_UNII-3	---	---	7.72	≤30.00	PASS
	Ant1	5745	14.26	0.16	14.42	≤30.00	PASS
	Ant2	5745	13.48	0.16	13.64	≤30.00	PASS
total	5745	---	---	17.06	≤30.00	PASS	
Ant1	5785	11.82	0.16	11.98	≤30.00	PASS	
Ant2	5785	12.96	0.20	13.16	≤30.00	PASS	
total	5785	---	---	15.62	≤30.00	PASS	
Ant1	5825	13.45	0.20	13.65	≤30.00	PASS	
Ant2	5825	12.70	0.20	12.90	≤30.00	PASS	
total	5825	---	---	16.30	≤30.00	PASS	
11N40MIMO	Ant1	5190	12.45	0.32	12.77	≤23.98	PASS
	Ant2	5190	13.54	0.32	13.86	≤23.98	PASS
	total	5190	---	---	16.36	≤23.98	PASS
	Ant1	5230	12.23	0.39	12.62	≤23.98	PASS
	Ant2	5230	12.25	0.39	12.64	≤23.98	PASS
	total	5230	---	---	15.64	≤23.98	PASS
	Ant1	5270	12.76	0.32	13.08	≤23.98	PASS
	Ant2	5270	11.71	0.39	12.10	≤23.98	PASS
	total	5270	---	---	15.63	≤23.98	PASS
	Ant1	5310	11.94	0.39	12.33	≤23.98	PASS
	Ant2	5310	10.75	0.39	11.14	≤23.98	PASS
	total	5310	---	---	14.79	≤23.98	PASS
	Ant1	5510	10.51	0.32	10.83	≤23.98	PASS
	Ant2	5510	12.54	0.39	12.93	≤23.98	PASS
	total	5510	---	---	15.02	≤23.98	PASS
	Ant1	5550	10.50	0.39	10.89	≤23.98	PASS
	Ant2	5550	13.57	0.32	13.89	≤23.98	PASS

	total	5550	---	---	15.65	≤23.98	PASS
	Ant1	5670	11.18	0.32	11.50	≤23.98	PASS
	Ant2	5670	10.96	0.32	11.28	≤23.98	PASS
	total	5670	---	---	14.40	≤23.98	PASS
	Ant1	5710 UNII-2C	10.60	0.32	10.92	≤23.98	PASS
	Ant2	5710 UNII-2C	13.58	0.32	13.90	≤23.98	PASS
	total	5710 UNII-2C	---	---	15.67	≤23.98	PASS
	Ant1	5710 UNII-3	-1.80	0.32	-1.48	≤30.00	PASS
	Ant2	5710 UNII-3	1.20	0.32	1.52	≤30.00	PASS
	total	5710 UNII-3	---	---	3.28	≤30.00	PASS
	Ant1	5755	10.44	0.32	10.76	≤30.00	PASS
	Ant2	5755	13.87	0.39	14.26	≤30.00	PASS
	total	5755	---	---	15.86	≤30.00	PASS
	Ant1	5795	12.67	0.32	12.99	≤30.00	PASS
	Ant2	5795	13.51	0.32	13.83	≤30.00	PASS
	total	5795	---	---	16.44	≤30.00	PASS
	Ant1	5180	10.66	0.19	10.85	≤23.98	PASS
	Ant2	5180	10.37	0.16	10.53	≤23.98	PASS
	total	5180	---	---	13.70	≤23.98	PASS
	Ant1	5200	10.72	0.19	10.91	≤23.98	PASS
	Ant2	5200	10.66	0.19	10.85	≤23.98	PASS
	total	5200	---	---	13.89	≤23.98	PASS
	Ant1	5240	11.29	0.19	11.48	≤23.98	PASS
	Ant2	5240	12.35	0.19	12.54	≤23.98	PASS
	total	5240	---	---	15.05	≤23.98	PASS
	Ant1	5260	12.07	0.19	12.26	≤23.98	PASS
	Ant2	5260	12.39	0.16	12.55	≤23.98	PASS
	total	5260	---	---	15.42	≤23.98	PASS
	Ant1	5280	13.45	0.19	13.64	≤23.98	PASS
	Ant2	5280	11.88	0.19	12.07	≤23.98	PASS
	total	5280	---	---	15.94	≤23.98	PASS
	Ant1	5320	10.38	0.19	10.57	≤23.98	PASS
	Ant2	5320	10.43	0.19	10.62	≤23.97	PASS
	total	5320	---	---	13.61	≤23.98	PASS
	Ant1	5500	9.45	0.19	9.64	≤23.98	PASS
	Ant2	5500	13.04	0.19	13.23	≤23.98	PASS
	total	5500	---	---	14.81	≤23.98	PASS
	Ant1	5580	9.90	0.19	10.09	≤23.98	PASS
	Ant2	5580	10.79	0.16	10.95	≤23.98	PASS
	total	5580	---	---	13.55	≤23.98	PASS
	Ant1	5700	9.42	0.19	9.61	≤23.98	PASS
	Ant2	5700	13.98	0.19	14.17	≤23.98	PASS
	total	5700	---	---	15.47	≤23.98	PASS
	Ant1	5720 UNII-2C	9.97	0.19	10.16	≤23.98	PASS
	Ant2	5720 UNII-2C	13.05	0.19	13.24	≤23.98	PASS
	total	5720 UNII-2C	---	---	14.98	≤23.98	PASS
	Ant1	5720 UNII-3	2.57	0.19	2.76	≤30.00	PASS
	Ant2	5720 UNII-3	5.99	0.19	6.18	≤30.00	PASS
	total	5720 UNII-3	---	---	7.81	≤30.00	PASS
	Ant1	5745	10.04	0.19	10.23	≤30.00	PASS
	Ant2	5745	13.96	0.16	14.12	≤30.00	PASS
	total	5745	---	---	15.61	≤30.00	PASS
	Ant1	5785	12.14	0.19	12.33	≤30.00	PASS
	Ant2	5785	13.36	0.16	13.52	≤30.00	PASS
	total	5785	---	---	15.98	≤30.00	PASS
	Ant1	5825	12.81	0.19	13.00	≤30.00	PASS
	Ant2	5825	13.47	0.19	13.66	≤30.00	PASS
	total	5825	---	---	16.35	≤30.00	PASS
11AC40MIMO	Ant1	5190	12.48	0.32	12.80	≤23.98	PASS
	Ant2	5190	13.62	0.32	13.94	≤23.98	PASS

	total	5190	---	---	16.42	≤23.98	PASS
	Ant1	5230	11.14	0.32	11.46	≤23.98	PASS
	Ant2	5230	12.33	0.32	12.65	≤23.98	PASS
	total	5230	---	---	15.11	≤23.98	PASS
	Ant1	5270	12.35	0.32	12.67	≤23.98	PASS
	Ant2	5270	11.66	0.32	11.98	≤23.98	PASS
	total	5270	---	---	15.35	≤23.98	PASS
	Ant1	5310	12.10	0.32	12.42	≤23.98	PASS
	Ant2	5310	10.75	0.32	11.07	≤23.98	PASS
	total	5310	---	---	14.81	≤23.98	PASS
	Ant1	5510	8.98	0.32	9.30	≤23.98	PASS
	Ant2	5510	11.60	0.32	11.92	≤23.98	PASS
	total	5510	---	---	13.81	≤23.98	PASS
	Ant1	5550	10.21	0.38	10.59	≤23.98	PASS
	Ant2	5550	13.63	0.38	14.01	≤23.98	PASS
	total	5550	---	---	15.64	≤23.98	PASS
	Ant1	5670	11.17	0.38	11.55	≤23.98	PASS
	Ant2	5670	10.94	0.38	11.32	≤23.98	PASS
	total	5670	---	---	14.45	≤23.98	PASS
	Ant1	5710_UNII-2C	9.84	0.32	10.16	≤23.98	PASS
	Ant2	5710_UNII-2C	13.70	0.32	14.02	≤23.98	PASS
	total	5710_UNII-2C	---	---	15.52	≤23.98	PASS
	Ant1	5710_UNII-3	-2.28	0.32	-1.96	≤30.00	PASS
	Ant2	5710_UNII-3	1.31	0.32	1.63	≤30.00	PASS
	total	5710_UNII-3	---	---	3.21	≤30.00	PASS
	Ant1	5755	10.64	0.32	10.96	≤30.00	PASS
	Ant2	5755	14.01	0.38	14.39	≤30.00	PASS
	total	5755	---	---	16.02	≤30.00	PASS
	Ant1	5795	13.02	0.32	13.34	≤30.00	PASS
	Ant2	5795	13.48	0.32	13.80	≤30.00	PASS
	total	5795	---	---	16.59	≤30.00	PASS
11AC80MIMO	Ant1	5210	9.48	0.63	10.11	≤23.98	PASS
	Ant2	5210	9.15	0.63	9.78	≤23.98	PASS
	total	5210	---	---	12.96	≤23.98	PASS
	Ant1	5290	9.13	0.63	9.76	≤23.98	PASS
	Ant2	5290	9.30	0.51	9.81	≤23.98	PASS
	total	5290	---	---	12.80	≤23.98	PASS
	Ant1	5530	7.82	0.63	8.45	≤23.98	PASS
	Ant2	5530	9.67	0.63	10.30	≤23.98	PASS
	total	5530	---	---	12.48	≤23.98	PASS
	Ant1	5610	11.79	0.50	12.29	≤23.98	PASS
	Ant2	5610	12.02	0.63	12.65	≤23.98	PASS
	total	5610	---	---	15.48	≤23.98	PASS
	Ant1	5690_UNII-2C	11.02	0.63	11.65	≤23.98	PASS
	Ant2	5690_UNII-2C	12.28	0.63	12.91	≤23.98	PASS
	total	5690_UNII-2C	---	---	15.34	≤23.98	PASS
	Ant1	5690_UNII-3	-4.78	0.63	-4.15	≤30.00	PASS
	Ant2	5690_UNII-3	-4.17	0.63	-3.54	≤30.00	PASS
	total	5690_UNII-3	---	---	-0.82	≤30.00	PASS
	Ant1	5775	10.02	0.63	10.65	≤30.00	PASS
	Ant2	5775	11.31	0.50	11.81	≤30.00	PASS
total	5775	---	---	14.28	≤30.00	PASS	

11. Power Spectral Density

11.1. Block Diagram of Test Setup

Same as section 8.1

11.2. Limits

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	<input type="checkbox"/> Outdoor Access Point: 17 dBm/MHz <input type="checkbox"/> Indoor Access Point: 17 dBm/MHz <input type="checkbox"/> Fixed Point-To-Point Access Points: 17 dBm/MHz <input type="checkbox"/> Client Devices: 11 dBm/MHz	5150-5250
	11 dBm/MHz	5250-5350 5470-5725
	30 dBm/500 kHz	5725-5850

Note: The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

11.3. Test Procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyzer and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Note:

1. For UNII-3, according to KdB publication 789033 D02 General U-NII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.

2. The value measured with RBW=1MHz is to be added with $10\log(500\text{kHz}/1\text{MHz})$ which is - 3dB. For example, if the measured value is +30 dBm using RBW=500kHz (that is +30 dBm/500kHz), then the converted value will be +33 dBm/1MHz.

3. Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

11.4. Test Result

Test Mode	Ant.	Freq. (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict	
11A	Ant1	5180	1.45	≤11.00	PASS	
	Ant2	5180	4.73	≤11.00	PASS	
	Ant1	5200	2.85	≤11.00	PASS	
	Ant2	5200	4.48	≤11.00	PASS	
	Ant1	5240	1.42	≤11.00	PASS	
	Ant2	5240	3.09	≤11.00	PASS	
	Ant1	5260	2.31	≤11.00	PASS	
	Ant2	5260	3.22	≤11.00	PASS	
	Ant1	5280	3.60	≤11.00	PASS	
	Ant2	5280	2.58	≤11.00	PASS	
	Ant1	5320	1.87	≤11.00	PASS	
	Ant2	5320	1.68	≤11.00	PASS	
	Ant1	5500	3.41	≤11.00	PASS	
	Ant2	5500	3.51	≤11.00	PASS	
	Ant1	5580	3.04	≤11.00	PASS	
	Ant2	5580	3.89	≤11.00	PASS	
	Ant1	5700	3.42	≤11.00	PASS	
	Ant2	5700	4.67	≤11.00	PASS	
	Ant1	5720 UNII-2C	0.75	≤11.00	PASS	
	Ant2	5720 UNII-2C	4.56	≤11.00	PASS	
	Ant1	5720 UNII-3	-3.72	≤30.00	PASS	
	Ant2	5720 UNII-3	0.06	≤30.00	PASS	
	Ant1	5745	-2.20	≤30.00	PASS	
	Ant2	5745	1.91	≤30.00	PASS	
	Ant1	5785	-0.65	≤30.00	PASS	
	Ant2	5785	1.49	≤30.00	PASS	
	Ant1	5825	0.63	≤30.00	PASS	
	Ant2	5825	1.62	≤30.00	PASS	
	11N20MIMO	Ant1	5180	1.90	≤11.00	PASS
		Ant2	5180	3.64	≤11.00	PASS
total		5180	5.87	≤11.00	PASS	
Ant1		5200	1.61	≤11.00	PASS	
Ant2		5200	3.25	≤11.00	PASS	
total		5200	5.52	≤11.00	PASS	
Ant1		5240	1.70	≤11.00	PASS	
Ant2		5240	-0.31	≤11.00	PASS	
total		5240	3.82	≤11.00	PASS	
Ant1		5260	1.38	≤11.00	PASS	
Ant2		5260	0.89	≤11.00	PASS	
total		5260	4.15	≤11.00	PASS	
Ant1		5280	-0.40	≤11.00	PASS	
Ant2		5280	-0.62	≤11.00	PASS	
total		5280	2.50	≤11.00	PASS	
Ant1		5320	0.11	≤11.00	PASS	
Ant2		5320	-1.82	≤11.00	PASS	
total		5320	2.26	≤11.00	PASS	
Ant1		5500	1.84	≤11.00	PASS	
Ant2		5500	0.45	≤11.00	PASS	
total		5500	4.21	≤11.00	PASS	
Ant1		5580	1.30	≤11.00	PASS	
Ant2		5580	1.22	≤11.00	PASS	
total		5580	4.27	≤11.00	PASS	
Ant1		5700	3.41	≤11.00	PASS	
Ant2		5700	3.12	≤11.00	PASS	
total		5700	6.28	≤11.00	PASS	
Ant1		5720 UNII-2C	-0.11	≤11.00	PASS	

	Ant2	5720 UNII-2C	3.55	≤11.00	PASS	
	total	5720 UNII-2C	5.10	≤11.00	PASS	
	Ant1	5720 UNII-3	-4.27	≤30.00	PASS	
	Ant2	5720 UNII-3	-1.29	≤30.00	PASS	
	total	5720 UNII-3	0.48	≤30.00	PASS	
	Ant1	5745	1.45	≤30.00	PASS	
	Ant2	5745	0.99	≤30.00	PASS	
	total	5745	4.24	≤30.00	PASS	
	Ant1	5785	-1.08	≤30.00	PASS	
	Ant2	5785	0.27	≤30.00	PASS	
	total	5785	2.66	≤30.00	PASS	
	Ant1	5825	0.82	≤30.00	PASS	
	Ant2	5825	0.19	≤30.00	PASS	
	total	5825	3.53	≤30.00	PASS	
11N40MIMO	Ant1	5190	-0.40	≤11.00	PASS	
	Ant2	5190	0.92	≤11.00	PASS	
	total	5190	3.32	≤11.00	PASS	
	Ant1	5230	-0.74	≤11.00	PASS	
	Ant2	5230	-0.54	≤11.00	PASS	
	total	5230	2.37	≤11.00	PASS	
	Ant1	5270	-0.17	≤11.00	PASS	
	Ant2	5270	-1.12	≤11.00	PASS	
	total	5270	2.39	≤11.00	PASS	
	Ant1	5310	-0.97	≤11.00	PASS	
	Ant2	5310	-2.17	≤11.00	PASS	
	total	5310	1.48	≤11.00	PASS	
	Ant1	5510	-2.37	≤11.00	PASS	
	Ant2	5510	-0.52	≤11.00	PASS	
	total	5510	1.66	≤11.00	PASS	
	Ant1	5550	-2.47	≤11.00	PASS	
	Ant2	5550	0.38	≤11.00	PASS	
	total	5550	2.20	≤11.00	PASS	
	Ant1	5670	-1.79	≤11.00	PASS	
	Ant2	5670	-1.68	≤11.00	PASS	
	total	5670	1.28	≤11.00	PASS	
		Ant1	5710 UNII-2C	-2.11	≤11.00	PASS
		Ant2	5710 UNII-2C	0.83	≤11.00	PASS
		total	5710 UNII-2C	2.61	≤11.00	PASS
		Ant1	5710 UNII-3	-8.05	≤30.00	PASS
		Ant2	5710 UNII-3	-5.52	≤30.00	PASS
		total	5710 UNII-3	-3.59	≤30.00	PASS
		Ant1	5755	-5.29	≤30.00	PASS
		Ant2	5755	-0.91	≤30.00	PASS
		total	5755	0.44	≤30.00	PASS
	Ant1	5795	-2.95	≤30.00	PASS	
	Ant2	5795	-2.24	≤30.00	PASS	
	total	5795	0.43	≤30.00	PASS	
11AC20MIMO	Ant1	5180	0.90	≤11.00	PASS	
	Ant2	5180	3.55	≤11.00	PASS	
	total	5180	5.43	≤11.00	PASS	
	Ant1	5200	2.83	≤11.00	PASS	
	Ant2	5200	3.43	≤11.00	PASS	
	total	5200	6.15	≤11.00	PASS	
	Ant1	5240	0.99	≤11.00	PASS	
	Ant2	5240	2.09	≤11.00	PASS	
	total	5240	4.59	≤11.00	PASS	
	Ant1	5260	1.77	≤11.00	PASS	
	Ant2	5260	1.95	≤11.00	PASS	
	total	5260	4.87	≤11.00	PASS	
	Ant1	5280	3.25	≤11.00	PASS	

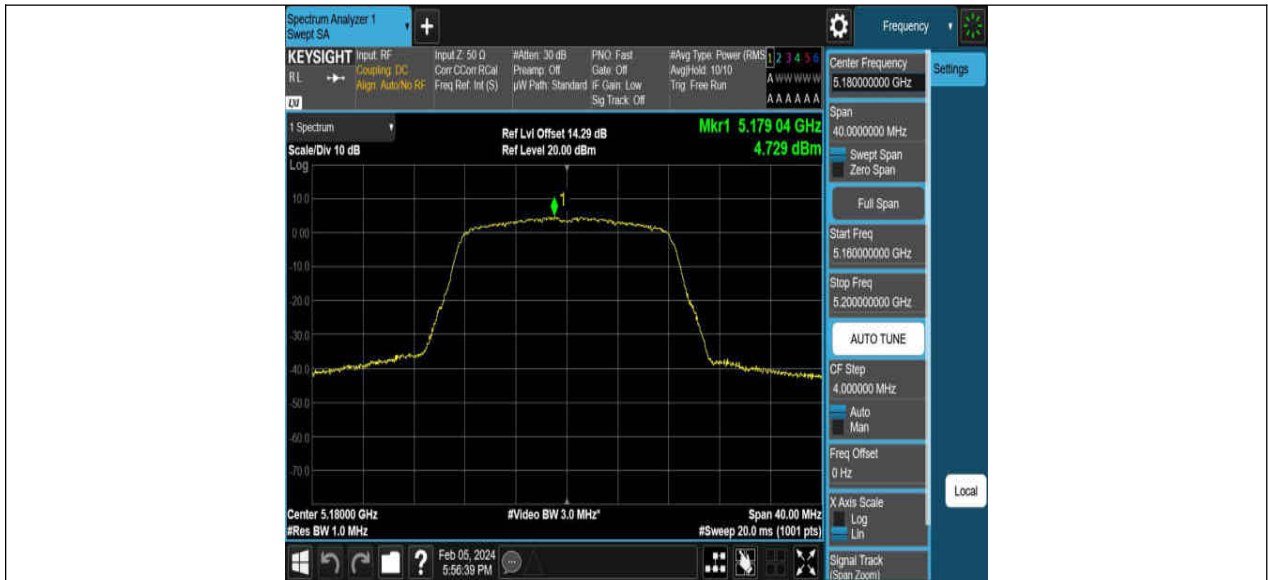
	Ant2	5280	1.85	≤11.00	PASS
	total	5280	5.62	≤11.00	PASS
	Ant1	5320	1.32	≤11.00	PASS
	Ant2	5320	0.64	≤11.00	PASS
	total	5320	4.00	≤11.00	PASS
	Ant1	5500	-0.99	≤11.00	PASS
	Ant2	5500	2.80	≤11.00	PASS
	total	5500	4.32	≤11.00	PASS
	Ant1	5580	-0.46	≤11.00	PASS
	Ant2	5580	0.72	≤11.00	PASS
	total	5580	3.18	≤11.00	PASS
	Ant1	5700	-0.79	≤11.00	PASS
	Ant2	5700	3.76	≤11.00	PASS
	total	5700	5.07	≤11.00	PASS
	Ant1	5720 UNII-2C	0.43	≤11.00	PASS
	Ant2	5720 UNII-2C	3.57	≤11.00	PASS
	total	5720 UNII-2C	5.29	≤11.00	PASS
	Ant1	5720 UNII-3	-4.44	≤30.00	PASS
	Ant2	5720 UNII-3	-0.84	≤30.00	PASS
	total	5720 UNII-3	0.73	≤30.00	PASS
	Ant1	5745	-2.80	≤30.00	PASS
	Ant2	5745	1.06	≤30.00	PASS
	total	5745	2.56	≤30.00	PASS
	Ant1	5785	-0.85	≤30.00	PASS
	Ant2	5785	0.79	≤30.00	PASS
	total	5785	3.06	≤30.00	PASS
	Ant1	5825	-0.12	≤30.00	PASS
	Ant2	5825	1.05	≤30.00	PASS
	total	5825	3.51	≤30.00	PASS
11AC40MIMO	Ant1	5190	-0.30	≤11.00	PASS
	Ant2	5190	0.73	≤11.00	PASS
	total	5190	3.26	≤11.00	PASS
	Ant1	5230	-2.04	≤11.00	PASS
	Ant2	5230	-0.58	≤11.00	PASS
	total	5230	1.76	≤11.00	PASS
	Ant1	5270	-0.48	≤11.00	PASS
	Ant2	5270	-1.09	≤11.00	PASS
	total	5270	2.24	≤11.00	PASS
	Ant1	5310	-0.93	≤11.00	PASS
	Ant2	5310	-2.24	≤11.00	PASS
	total	5310	1.47	≤11.00	PASS
	Ant1	5510	-2.56	≤11.00	PASS
	Ant2	5510	-0.33	≤11.00	PASS
	total	5510	1.71	≤11.00	PASS
	Ant1	5550	-2.78	≤11.00	PASS
	Ant2	5550	0.76	≤11.00	PASS
	total	5550	2.35	≤11.00	PASS
	Ant1	5670	-1.67	≤11.00	PASS
	Ant2	5670	-1.72	≤11.00	PASS
	total	5670	1.32	≤11.00	PASS
	Ant1	5710 UNII-2C	-2.69	≤11.00	PASS
	Ant2	5710 UNII-2C	0.66	≤11.00	PASS
	total	5710 UNII-2C	2.31	≤11.00	PASS
	Ant1	5710 UNII-3	-8.78	≤30.00	PASS
	Ant2	5710 UNII-3	-5.27	≤30.00	PASS
	total	5710 UNII-3	-3.67	≤30.00	PASS
	Ant1	5755	-5.19	≤30.00	PASS
	Ant2	5755	-1.48	≤30.00	PASS
	total	5755	0.06	≤30.00	PASS
	Ant1	5795	-2.74	≤30.00	PASS

	Ant2	5795	-2.41	≤30.00	PASS
	total	5795	0.44	≤30.00	PASS
11AC80MIMO	Ant1	5210	-4.40	≤11.00	PASS
	Ant2	5210	-5.69	≤11.00	PASS
	total	5210	-1.99	≤11.00	PASS
	Ant1	5290	-6.93	≤11.00	PASS
	Ant2	5290	-5.46	≤11.00	PASS
	total	5290	-3.12	≤11.00	PASS
	Ant1	5530	-3.85	≤11.00	PASS
	Ant2	5530	-4.63	≤11.00	PASS
	total	5530	-1.21	≤11.00	PASS
	Ant1	5610	-3.70	≤11.00	PASS
	Ant2	5610	-2.95	≤11.00	PASS
	total	5610	-0.30	≤11.00	PASS
	Ant1	5690 UNII-2C	-4.66	≤11.00	PASS
	Ant2	5690 UNII-2C	-2.68	≤11.00	PASS
	total	5690 UNII-2C	-0.55	≤11.00	PASS
	Ant1	5690 UNII-3	-11.06	≤30.00	PASS
	Ant2	5690 UNII-3	-10.23	≤30.00	PASS
	total	5690 UNII-3	-7.61	≤30.00	PASS
	Ant1	5775	-7.53	≤30.00	PASS
	Ant2	5775	-6.62	≤30.00	PASS
total	5775	-4.04	≤30.00	PASS	

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

11.5. Original Test Data









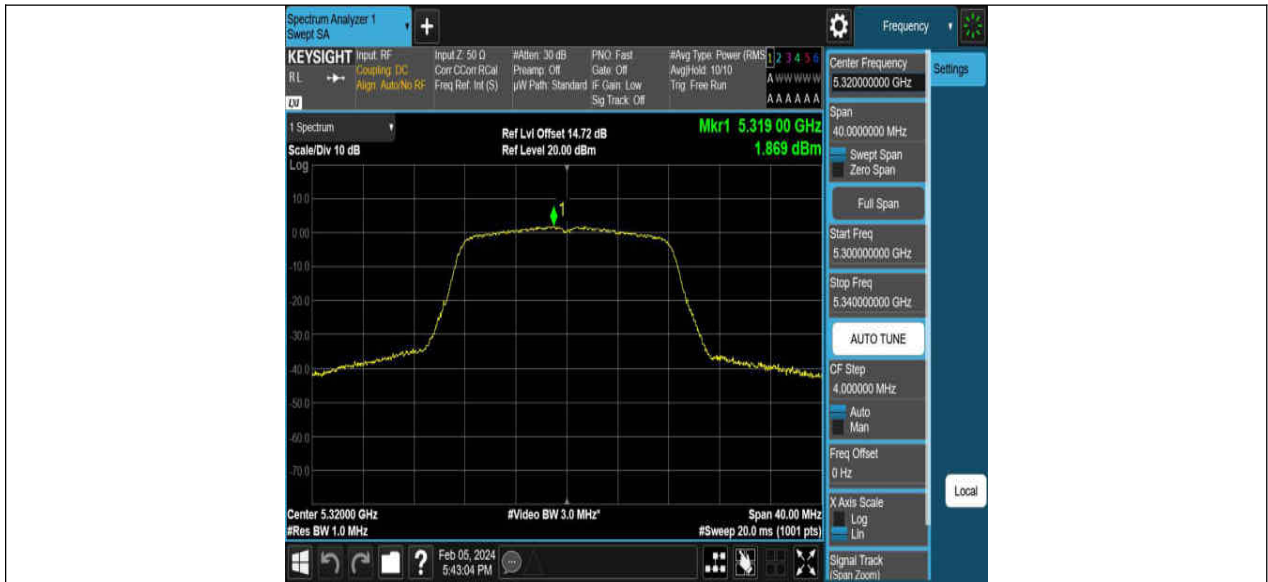
11A_Ant1_5280



11A_Ant2_5280



11A_Ant1_5320













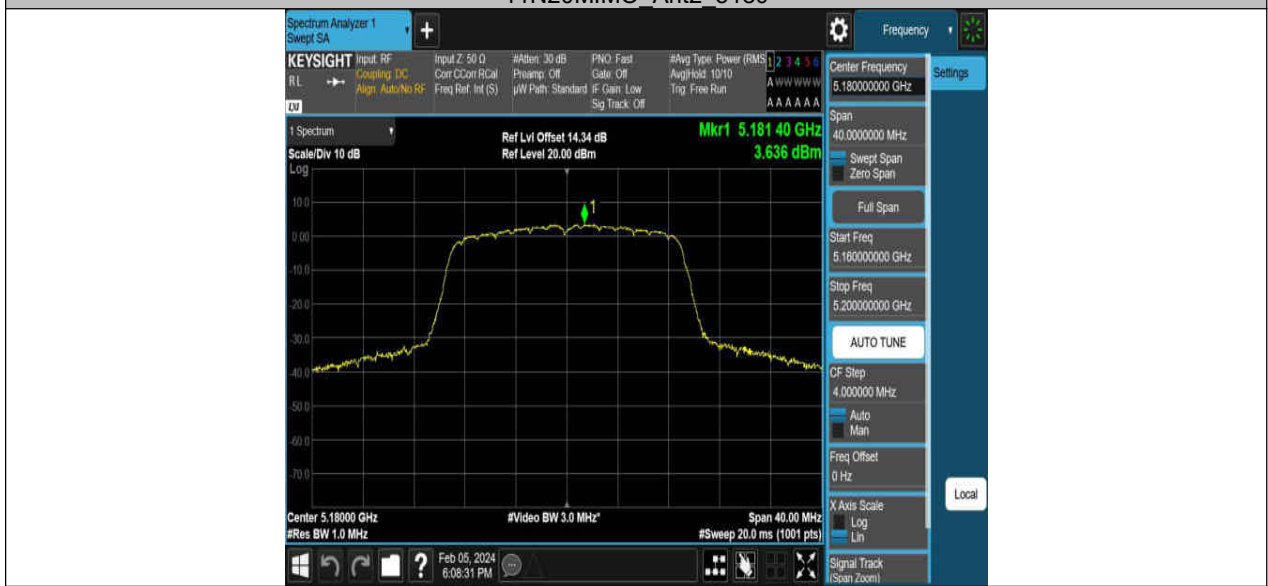
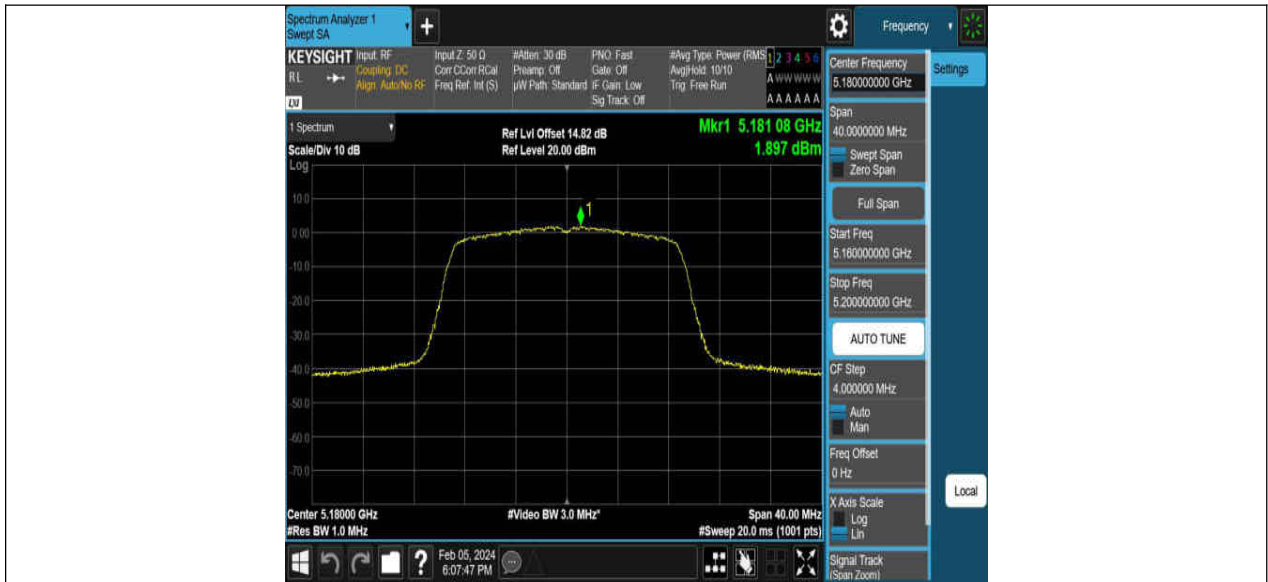
11A Ant1 5825



11A Ant2 5825

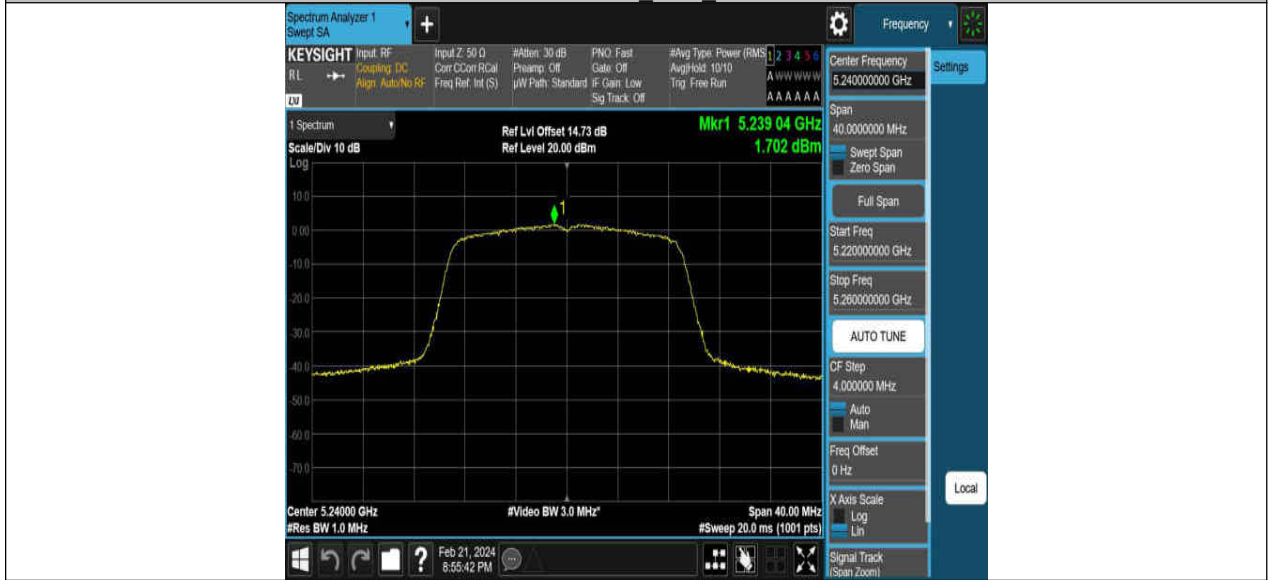


11N20MIMO Ant1 5180

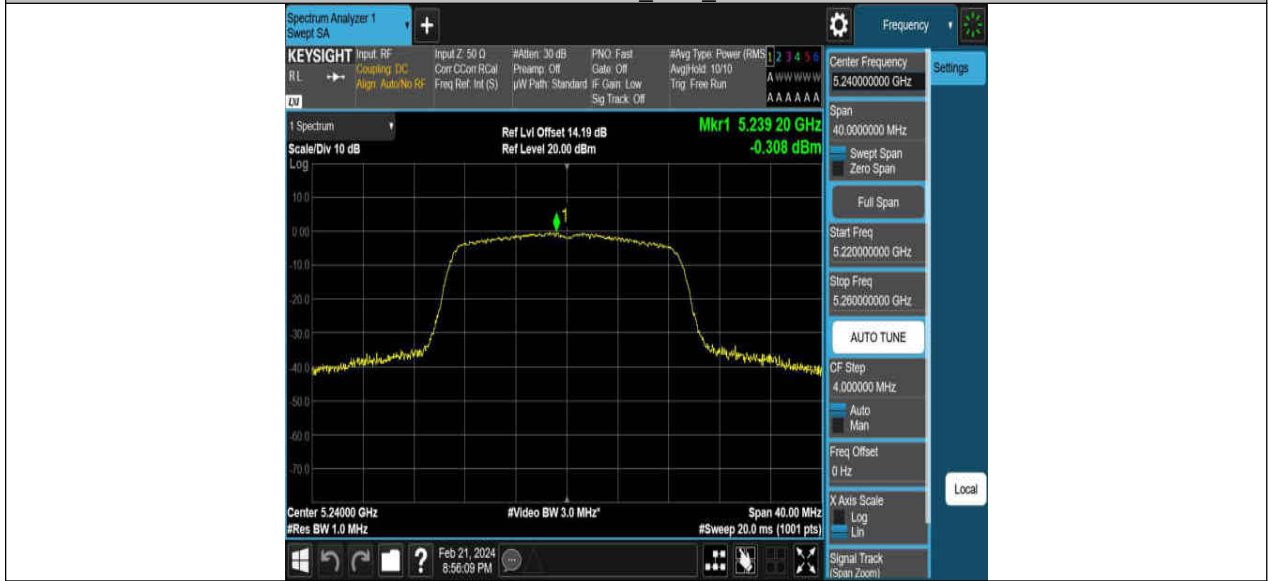




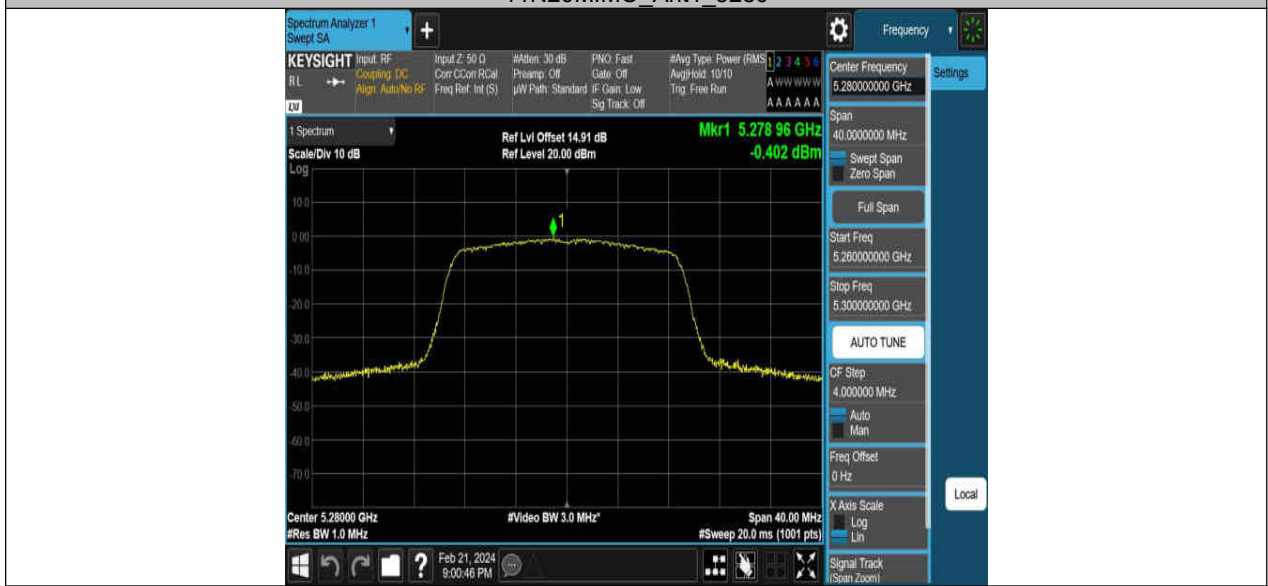
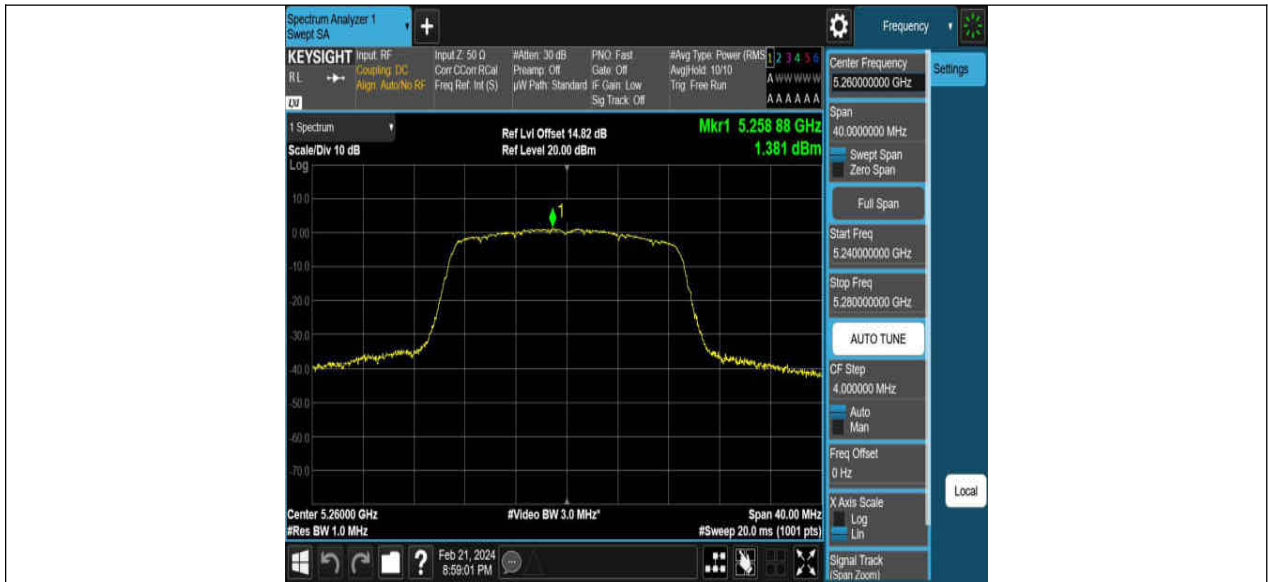
11N20MIMO Ant1 5240

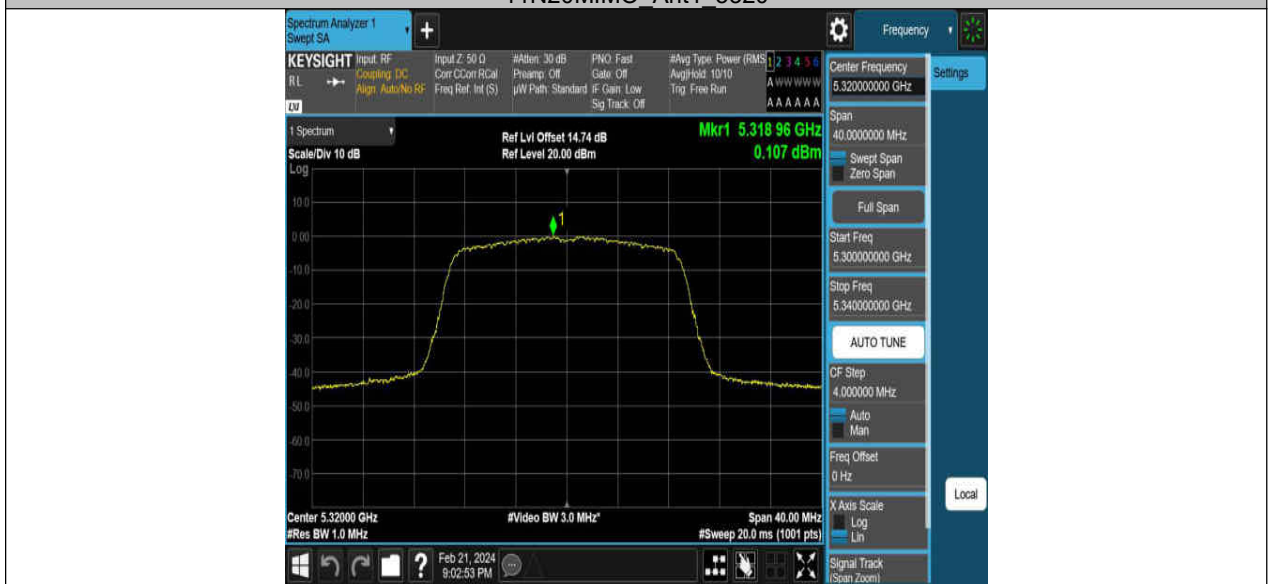
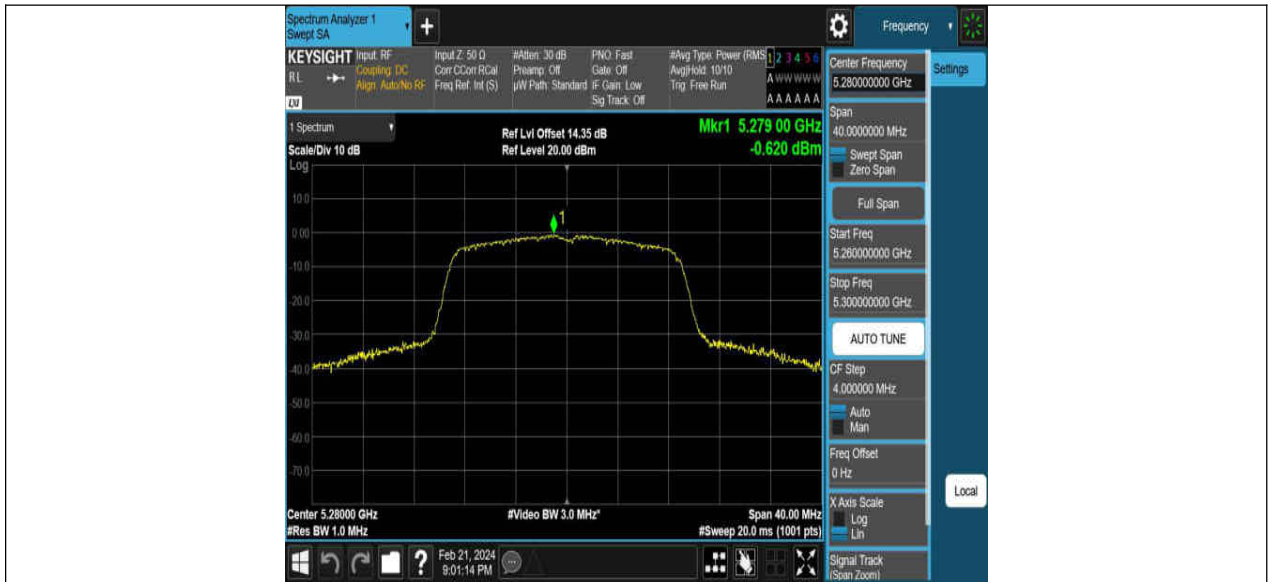


11N20MIMO Ant2 5240



11N20MIMO Ant1 5260















11N20MIMO Ant2 5785



11N20MIMO Ant1 5825



11N20MIMO Ant2 5825





