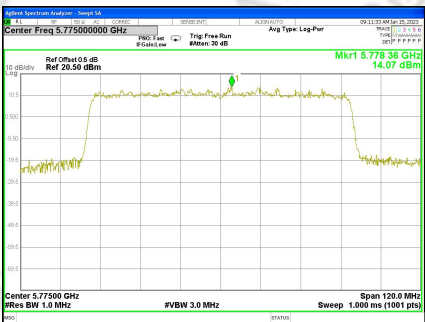
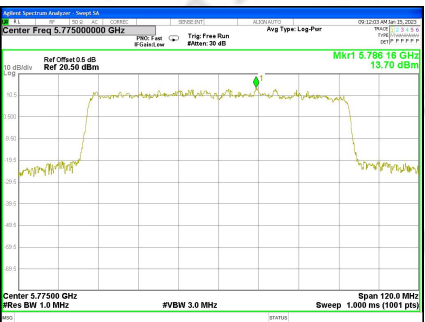
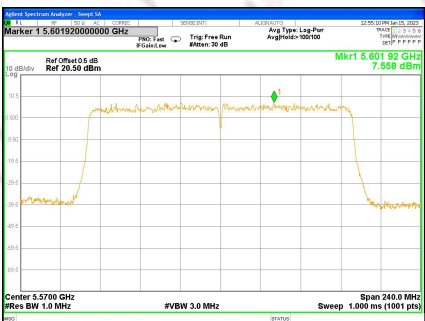
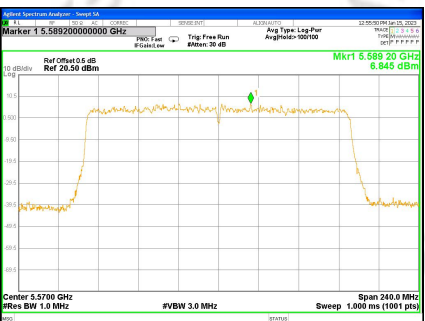


802.11ax80

CH155_Ant. 0	CH155_Ant. 1	N/A
		N/A

802.11ax160

CH114_Ant. 0	CH114_Ant. 1	N/A
		N/A

5. BANDWIDTH MEASUREMENT

5.1. EMISSION BANDWIDTH (EBW) 26 BANDWIDTH

See list of measuring instruments of this test report.

5.1.1. TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW $\geq$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

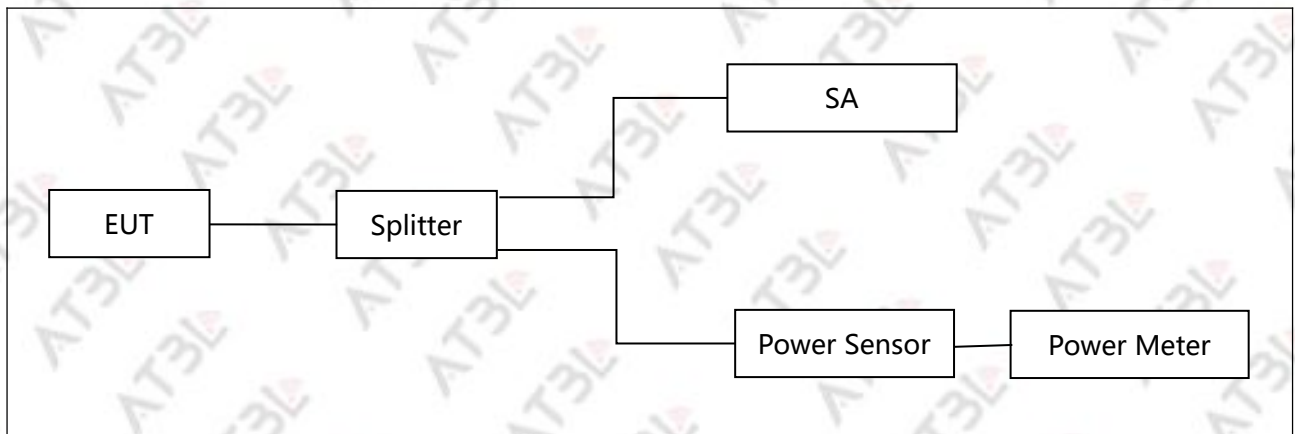
Note:

Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

5.1.2. DEVIATION FROM STANDARD

No deviation.

5.1.3. TEST SETUP



5.1.4. EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5. TEST RESULTS

5150MHz-5250MHz(26BW)

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11a20	5180	21.09	5150-5250	Pass	Ant0
NVNT	11a20	5180	20.73	5150-5250	Pass	Ant1
NVNT	11a20	5200	21.15	5150-5250	Pass	Ant0
NVNT	11a20	5200	20.58	5150-5250	Pass	Ant1
NVNT	11a20	5240	21.12	5150-5250	Pass	Ant0
NVNT	11a20	5240	21	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n20	5180	21.45	5150-5250	Pass	Ant0
NVNT	11n20	5180	21.06	5150-5250	Pass	Ant1
NVNT	11n20	5200	21.27	5150-5250	Pass	Ant0
NVNT	11n20	5200	21.15	5150-5250	Pass	Ant1
NVNT	11n20	5240	21.63	5150-5250	Pass	Ant0
NVNT	11n20	5240	21.3	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n40	5190	39.84	5150-5250	Pass	Ant0
NVNT	11n40	5190	39.54	5150-5250	Pass	Ant1
NVNT	11n40	5230	39.72	5150-5250	Pass	Ant0
NVNT	11n40	5230	39.66	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac20	5180	21.39	5150-5250	Pass	Ant0
NVNT	11ac20	5180	21.27	5150-5250	Pass	Ant1
NVNT	11ac20	5200	21.42	5150-5250	Pass	Ant0
NVNT	11ac20	5200	21.33	5150-5250	Pass	Ant1
NVNT	11ac20	5240	21.45	5150-5250	Pass	Ant0
NVNT	11ac20	5240	21.24	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac40	5190	40.14	5150-5250	Pass	Ant0
NVNT	11ac40	5190	40.14	5150-5250	Pass	Ant1
NVNT	11ac40	5230	39.96	5150-5250	Pass	Ant0
NVNT	11ac40	5230	39.66	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac80	5210	81.36	5150-5250	Pass	Ant0
NVNT	11ac80	5210	81	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac160	5250	202.56	5150-5250	Pass	Ant0
NVNT	11ac160	5250	199.68	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax20	5180	21.27	5150-5250	Pass	Ant0
NVNT	11ax20	5180	21.33	5150-5250	Pass	Ant1
NVNT	11ax20	5200	21.33	5150-5250	Pass	Ant0
NVNT	11ax20	5200	21.21	5150-5250	Pass	Ant1
NVNT	11ax20	5240	21.51	5150-5250	Pass	Ant0
NVNT	11ax20	5240	21.3	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax40	5190	40.02	5150-5250	Pass	Ant0
NVNT	11ax40	5190	40.02	5150-5250	Pass	Ant1
NVNT	11ax40	5230	40.02	5150-5250	Pass	Ant0
NVNT	11ax40	5230	39.78	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax80	5210	81.24	5150-5250	Pass	Ant0
NVNT	11ax80	5210	80.64	5150-5250	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax160	5250	164.4	5150-5250	Pass	Ant0
NVNT	11ax160	5250	163.2	5150-5250	Pass	Ant1

5250MHz-5350MHz(26BW)

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11a20	5260	21.27	5250-5350	Pass	Ant0
NVNT	11a20	5260	21.03	5250-5350	Pass	Ant1
NVNT	11a20	5300	21.21	5250-5350	Pass	Ant0
NVNT	11a20	5300	21.03	5250-5350	Pass	Ant1
NVNT	11a20	5320	21.03	5250-5350	Pass	Ant0
NVNT	11a20	5320	21.18	5250-5350	Pass	Ant1
NVNT	11n20	5320	21.09	5250-5350	Pass	Ant0
NVNT	11n20	5320	21	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n20	5260	21.42	5250-5350	Pass	Ant0
NVNT	11n20	5260	21.21	5250-5350	Pass	Ant1
NVNT	11n20	5300	21.51	5250-5350	Pass	Ant0
NVNT	11n20	5300	21.45	5250-5350	Pass	Ant1
NVNT	11n20	5320	21.33	5250-5350	Pass	Ant0
NVNT	11n20	5320	21.24	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n40	5270	40.08	5250-5350	Pass	Ant0
NVNT	11n40	5270	39.72	5250-5350	Pass	Ant1
NVNT	11n40	5310	40.2	5250-5350	Pass	Ant0
NVNT	11n40	5310	39.36	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac20	5260	21.39	5250-5350	Pass	Ant0
NVNT	11ac20	5260	21.24	5250-5350	Pass	Ant1
NVNT	11ac20	5300	21.54	5250-5350	Pass	Ant0
NVNT	11ac20	5300	21.3	5250-5350	Pass	Ant1
NVNT	11ac20	5320	21.42	5250-5350	Pass	Ant0
NVNT	11ac20	5320	21.33	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac40	5270	40.02	5250-5350	Pass	Ant0
NVNT	11ac40	5270	39.6	5250-5350	Pass	Ant1
NVNT	11ac40	5310	39.9	5250-5350	Pass	Ant0
NVNT	11ac40	5310	39.72	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac80	5290	81.72	5250-5350	Pass	Ant0
NVNT	11ac80	5290	80.88	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac160	5250	233.04	5250-5350	Pass	Ant0
NVNT	11ac160	5250	197.76	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax20	5260	21.3	5250-5350	Pass	Ant0
NVNT	11ax20	5260	21.42	5250-5350	Pass	Ant1
NVNT	11ax20	5300	21.45	5250-5350	Pass	Ant0
NVNT	11ax20	5300	21.48	5250-5350	Pass	Ant1
NVNT	11ax20	5320	21.6	5250-5350	Pass	Ant0
NVNT	11ax20	5320	21.39	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax40	5270	39.9	5250-5350	Pass	Ant0
NVNT	11ax40	5270	39.9	5250-5350	Pass	Ant1
NVNT	11ax40	5310	39.9	5250-5350	Pass	Ant0
NVNT	11ax40	5310	39.78	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax80	5290	81	5250-5350	Pass	Ant0
NVNT	11ax80	5290	80.52	5250-5350	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax160	5250	162.96	5250-5350	Pass	Ant0
NVNT	11ax160	5250	162.96	5250-5350	Pass	Ant1

5470MHz-5725MHz(26BW)

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11a20	5500	21.15	5470-5725	Pass	Ant0
NVNT	11a20	5500	20.67	5470-5725	Pass	Ant1
NVNT	11a20	5580	20.88	5470-5725	Pass	Ant0
NVNT	11a20	5580	20.58	5470-5725	Pass	Ant1
NVNT	11a20	5700	20.91	5470-5725	Pass	Ant0
NVNT	11a20	5700	20.64	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n20	5500	21.18	5470-5725	Pass	Ant0
NVNT	11n20	5500	21.12	5470-5725	Pass	Ant1
NVNT	11n20	5580	20.94	5470-5725	Pass	Ant0
NVNT	11n20	5580	21.12	5470-5725	Pass	Ant1
NVNT	11n20	5700	21.36	5470-5725	Pass	Ant0
NVNT	11n20	5700	21.15	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n40	5510	39.6	5470-5725	Pass	Ant0
NVNT	11n40	5510	39.54	5470-5725	Pass	Ant1
NVNT	11n40	5550	39.6	5470-5725	Pass	Ant0
NVNT	11n40	5550	39.24	5470-5725	Pass	Ant1
NVNT	11n40	5670	39.66	5470-5725	Pass	Ant0
NVNT	11n40	5670	41.28	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac20	5500	21.45	5470-5725	Pass	Ant0
NVNT	11ac20	5500	21.18	5470-5725	Pass	Ant1
NVNT	11ac20	5580	21.33	5470-5725	Pass	Ant0
NVNT	11ac20	5580	21.21	5470-5725	Pass	Ant1
NVNT	11ac20	5700	21.39	5470-5725	Pass	Ant0
NVNT	11ac20	5700	21.21	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac40	5510	40.14	5470-5725	Pass	Ant0
NVNT	11ac40	5510	39.78	5470-5725	Pass	Ant1
NVNT	11ac40	5550	40.2	5470-5725	Pass	Ant0
NVNT	11ac40	5550	39.72	5470-5725	Pass	Ant1
NVNT	11ac40	5670	39.96	5470-5725	Pass	Ant0
NVNT	11ac40	5670	39.66	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac80	5530	81.96	5470-5725	Pass	Ant0
NVNT	11ac80	5530	81.12	5470-5725	Pass	Ant1
NVNT	11ac80	5610	81.96	5470-5725	Pass	Ant0
NVNT	11ac80	5610	81.12	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ac160	5570	163.92	5470-5725	Pass	Ant0
NVNT	11ac160	5570	165.36	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax20	5500	21.27	5470-5725	Pass	Ant0
NVNT	11ax20	5500	21.33	5470-5725	Pass	Ant1
NVNT	11ax20	5580	21.24	5470-5725	Pass	Ant0
NVNT	11ax20	5580	21.42	5470-5725	Pass	Ant1
NVNT	11ax20	5700	21.21	5470-5725	Pass	Ant0
NVNT	11ax20	5700	21.15	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax40	5510	40.08	5470-5725	Pass	Ant0
NVNT	11ax40	5510	39.66	5470-5725	Pass	Ant1
NVNT	11ax40	5550	39.84	5470-5725	Pass	Ant0
NVNT	11ax40	5550	39.96	5470-5725	Pass	Ant1
NVNT	11ax40	5670	39.9	5470-5725	Pass	Ant0
NVNT	11ax40	5670	39.6	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax80	5530	80.76	5470-5725	Pass	Ant0
NVNT	11ax80	5530	81.12	5470-5725	Pass	Ant1
NVNT	11ax80	5610	80.64	5470-5725	Pass	Ant0
NVNT	11ax80	5610	81.12	5470-5725	Pass	Ant1

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11ax160	5570	164.16	5470-5725	Pass	Ant0
NVNT	11ax160	5570	163.44	5470-5725	Pass	Ant1

5725MHz-5850MHz(6BW&26BW)

Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11a20	5745	16.440	21.33	5725-5895	Pass	Ant0
11a20	5745	16.440	21.27	5725-5895	Pass	Ant1
11a20	5785	16.440	21.12	5725-5895	Pass	Ant0
11a20	5785	16.440	21.66	5725-5895	Pass	Ant1
11a20	5825	16.470	21.3	5725-5895	Pass	Ant0
11a20	5825	16.440	21.9	5725-5895	Pass	Ant1

Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11n20	5745	17.640	21.42	5725-5895	Pass	Ant0
11n20	5745	17.640	21.18	5725-5895	Pass	Ant1
11n20	5785	17.700	21.45	5725-5895	Pass	Ant0
11n20	5785	17.670	21.21	5725-5895	Pass	Ant1
11n20	5825	17.700	21.45	5725-5895	Pass	Ant0
11n20	5825	17.670	21.51	5725-5895	Pass	Ant1

Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11n40	5755	36.420	39.78	5725-5895	Pass	Ant0
11n40	5755	36.420	39.6	5725-5895	Pass	Ant1
11n40	5795	36.420	40.08	5725-5895	Pass	Ant0
11n40	5795	36.420	39.12	5725-5895	Pass	Ant1

Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11ac20	5745	17.640	21.45	5725-5895	Pass	Ant0
11ac20	5745	17.670	21.69	5725-5895	Pass	Ant1
11ac20	5785	17.640	21.36	5725-5895	Pass	Ant0
11ac20	5785	17.670	21.45	5725-5895	Pass	Ant1
11ac20	5825	17.670	21.6	5725-5895	Pass	Ant0
11ac20	5825	17.670	21.87	5725-5895	Pass	Ant1

Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11ac40	5755	36.480	40.08	5725-5895	Pass	Ant0
11ac40	5755	36.420	39.54	5725-5895	Pass	Ant1
11ac40	5795	36.420	40.14	5725-5895	Pass	Ant0
11ac40	5795	36.420	39.66	5725-5895	Pass	Ant1

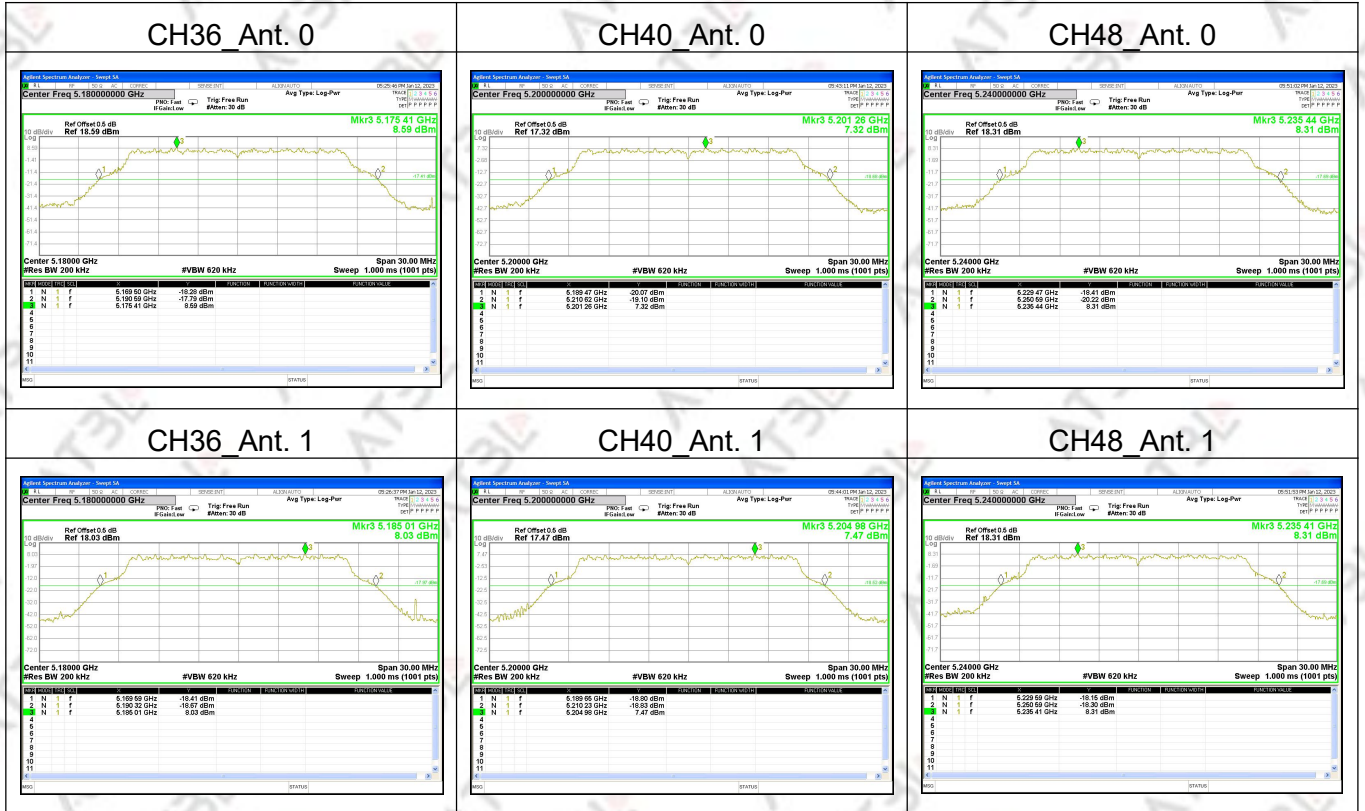
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11ac80	5775	75.720	81.72	5725-5895	Pass	Ant0
11ac80	5775	75.960	81	5725-5895	Pass	Ant1

Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11ax20	5745	19.020	21.96	5725-5895	Pass	Ant0
11ax20	5745	19.020	21.27	5725-5895	Pass	Ant1
11ax20	5785	19.020	21.72	5725-5895	Pass	Ant0
11ax20	5785	18.930	21.15	5725-5895	Pass	Ant1
11ax20	5825	18.960	23.04	5725-5895	Pass	Ant0
11ax20	5825	18.990	21.36	5725-5895	Pass	Ant1

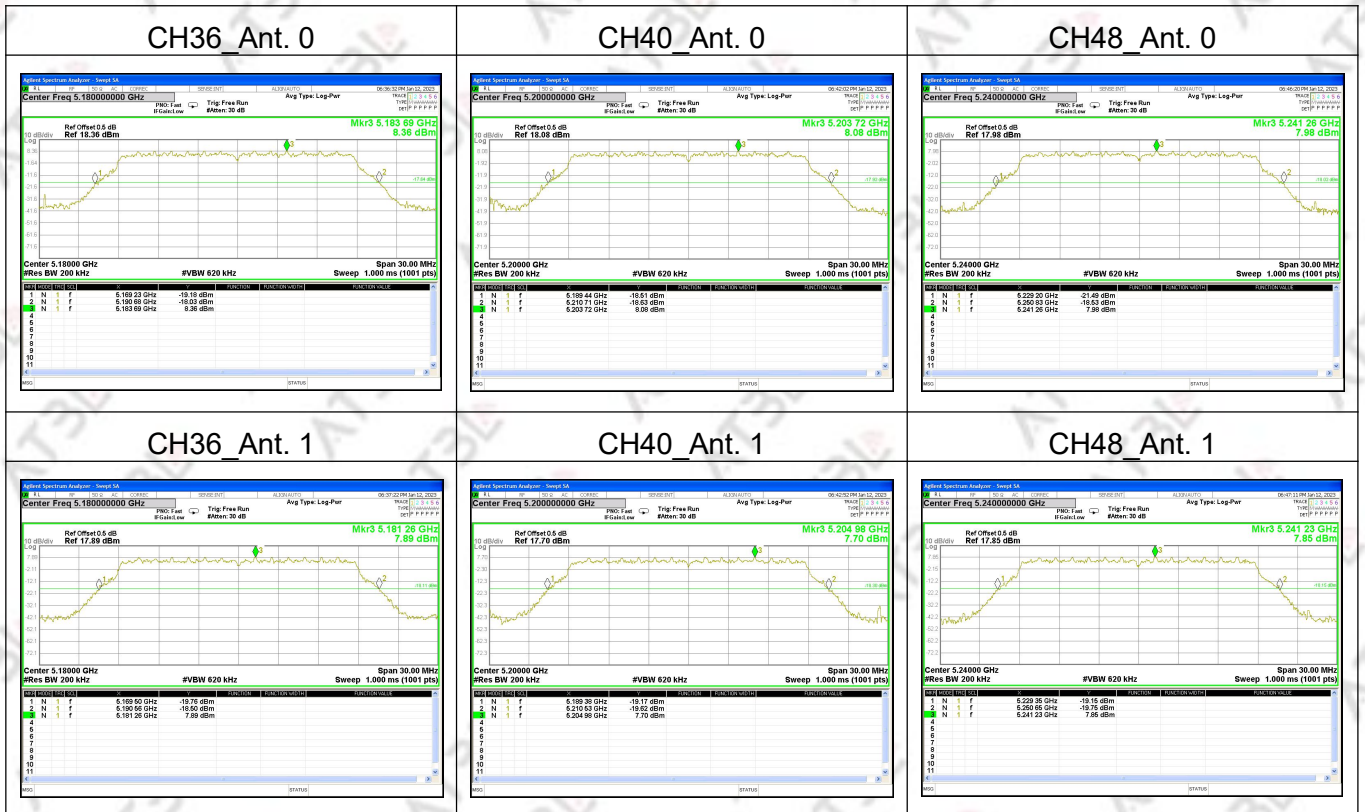
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11ax40	5755	37.440	40.92	5725-5895	Pass	Ant0
11ax40	5755	37.620	39.78	5725-5895	Pass	Ant1
11ax40	5795	37.740	40.92	5725-5895	Pass	Ant0
11ax40	5795	36.960	39.54	5725-5895	Pass	Ant1

Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11ax80	5775	77.520	81	5725-5895	Pass	Ant0
11ax80	5775	75.600	80.76	5725-5895	Pass	Ant1

802.11a



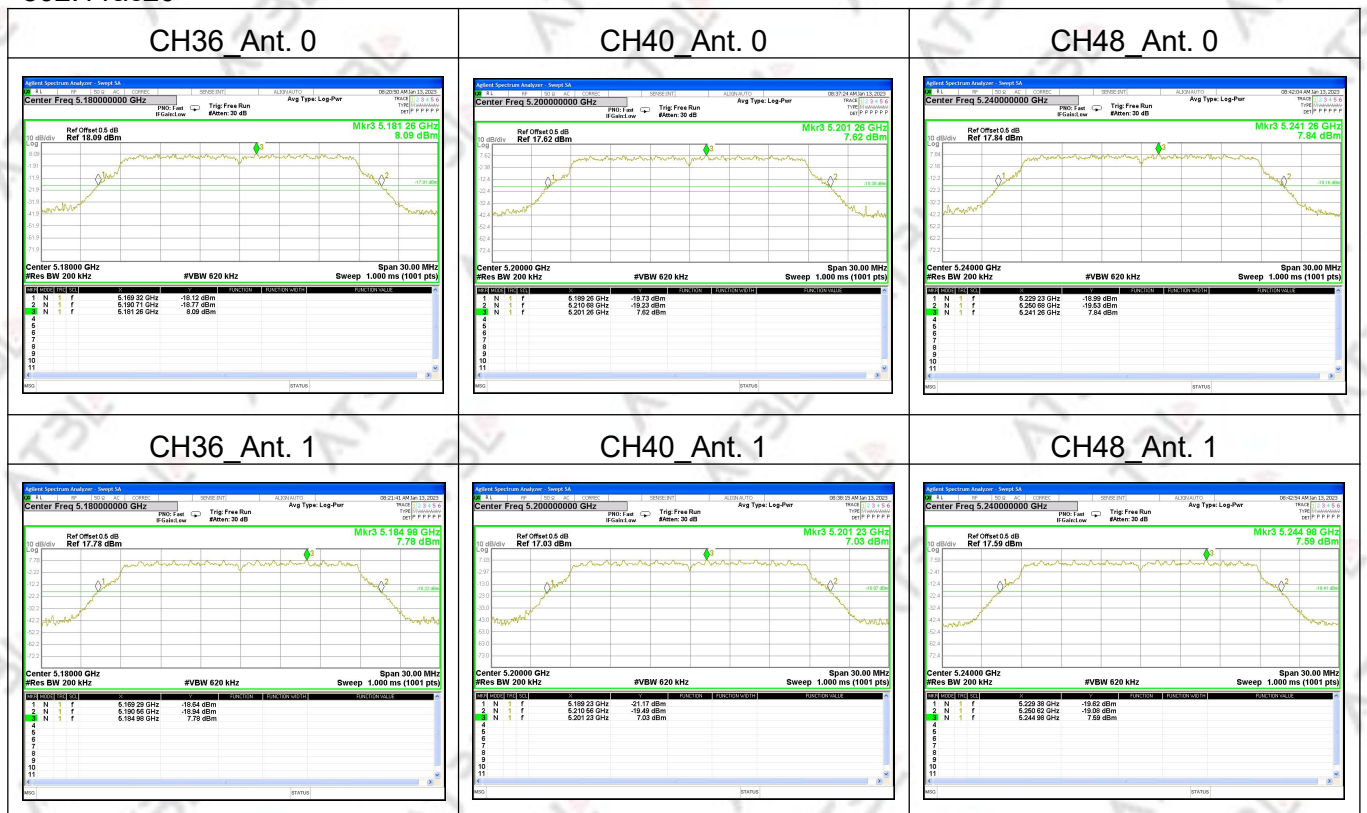
802.11n20



802.11n40



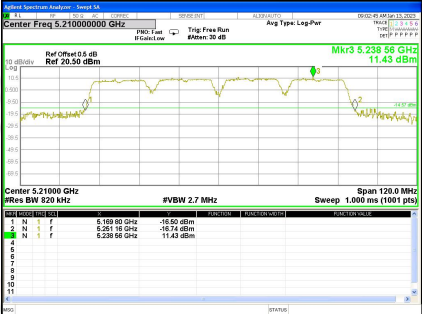
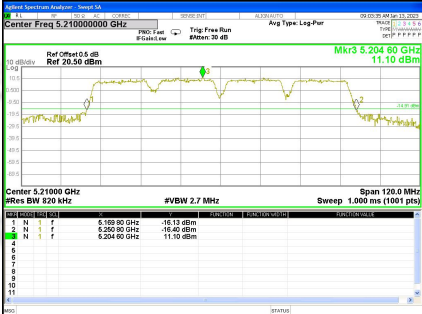
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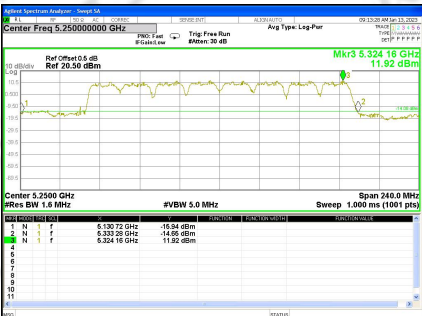
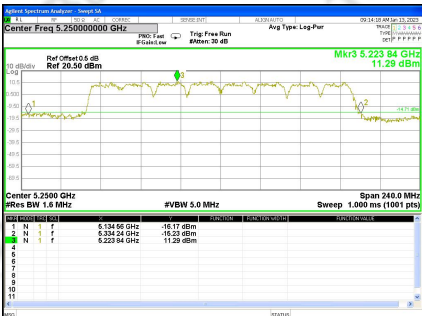
802.11ac40

CH38_Ant. 0 	CH46_Ant. 0 	N/A
CH38_Ant. 1 	CH46_Ant. 1 	N/A

802.11ac80

CH42_Ant. 0 	CH42_Ant. 1 	N/A
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802.11ac160

CH50_Ant. 0 	CH50_Ant. 1 	N/A
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