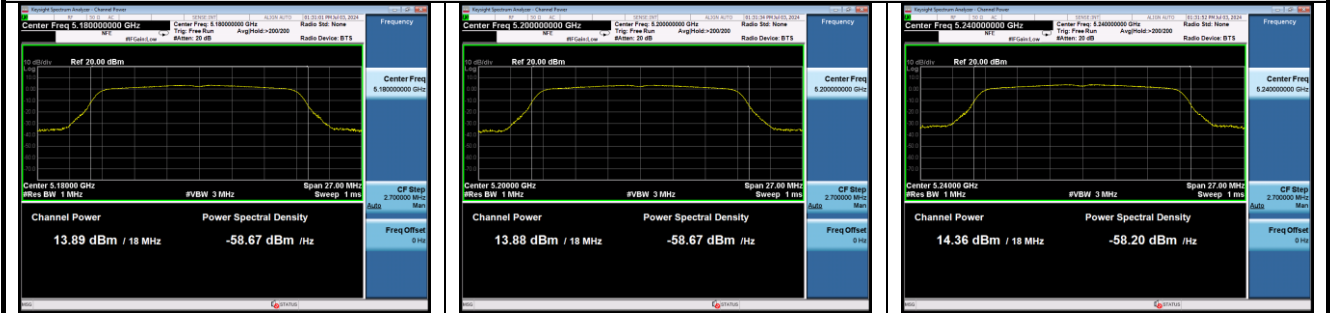


U-NII-3 Band:

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-06-12~07-03	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: lili	Test site: RF site	Temperature: 22.3±0.6℃

Test Mode	Frequency (MHz)	Power Setting	Duty factor(dB)	Output Power (dBm)	Limit (dBm)
11a	5475	17	0.10	14.24	30
	5485	17	0.10	14.02	
	5825	17	0.10	14.02	
11n HT20	5475	17	0.12	14.13	30
	5485	17	0.12	13.95	
	5825	17	0.12	13.96	
11n HT40	5755	15	0.25	11.85	30
	5795	15	0.25	11.80	
11ac VHT20	5475	15	0.11	11.95	30
	5485	15	0.11	11.76	
	5825	15	0.11	11.80	
11ac VHT40	5755	15	0.23	11.85	30
	5795	15	0.23	11.71	
11ac VHT80	5775	15	0.47	11.81	30
Conclusion: Pass					

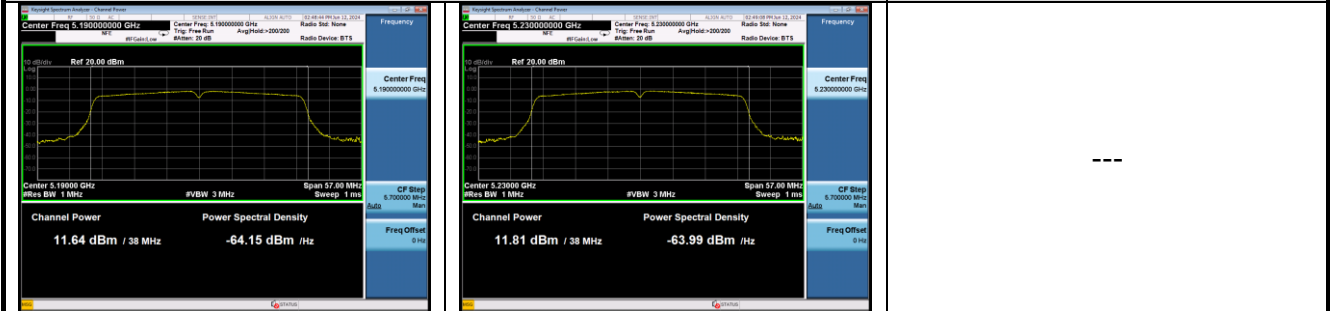
U-NII-1 Band IEEE 802.11a



IEEE 802.11n HT20



IEEE 802.11n HT40



IEEE 802.11ac VHT20



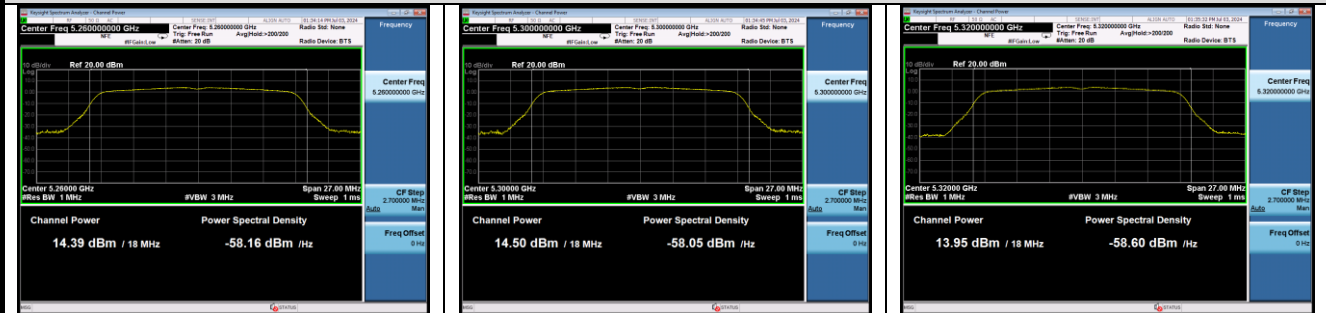
IEEE 802.11ac VHT40



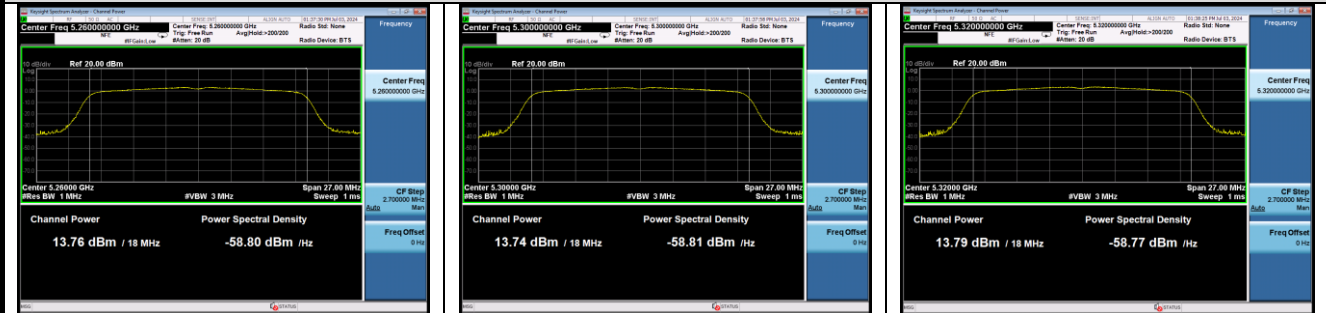
IEEE 802.11ac VHT80

U-NII-2A Band

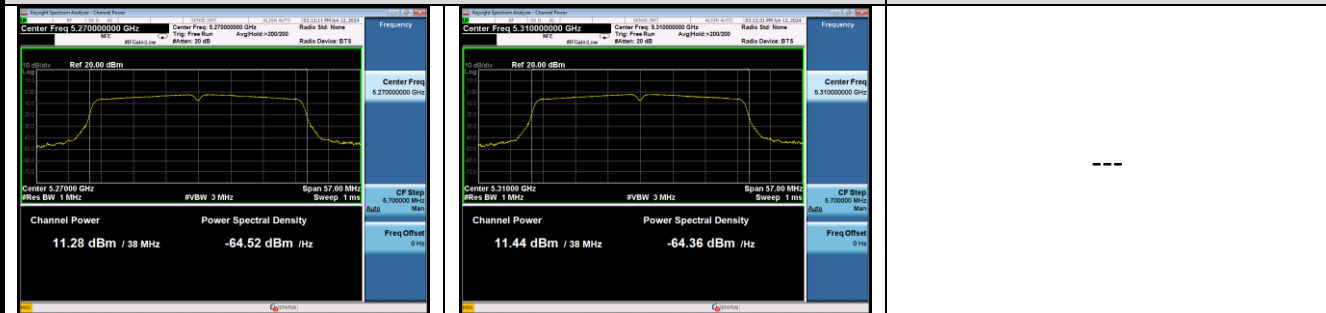
IEEE 802.11a



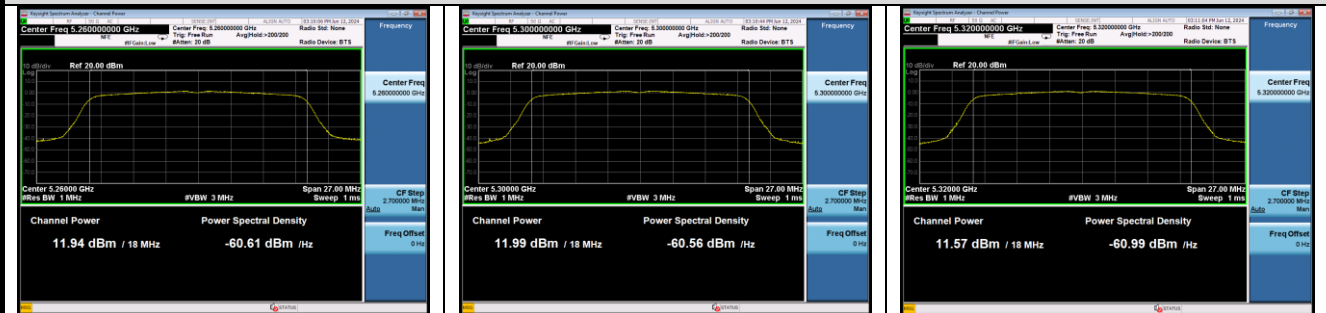
IEEE 802.11n HT20



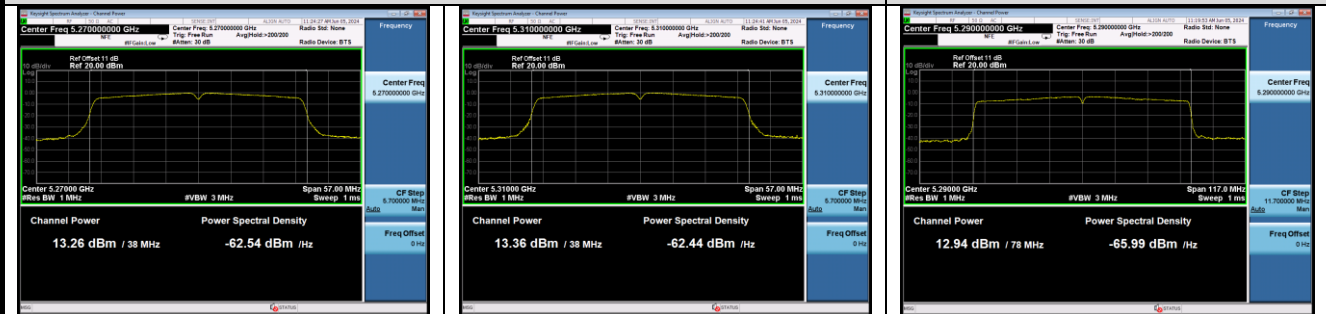
IEEE 802.11n HT40



IEEE 802.11ac VHT20



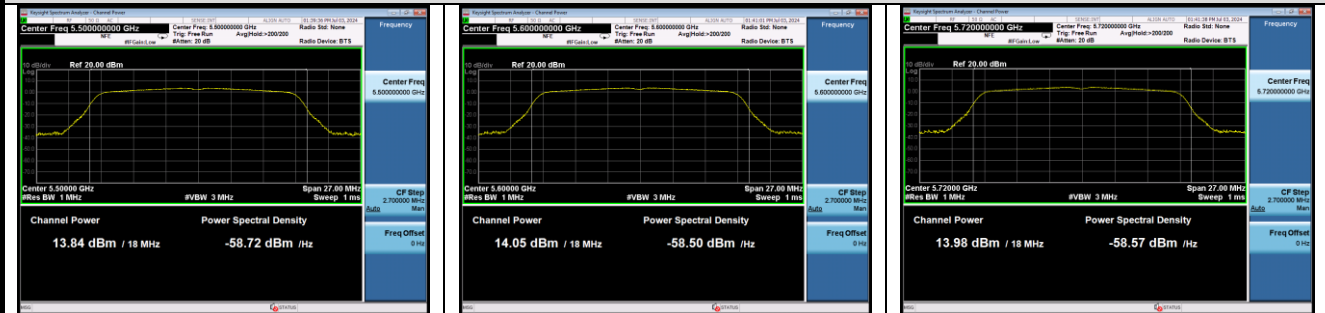
IEEE 802.11ac VHT40



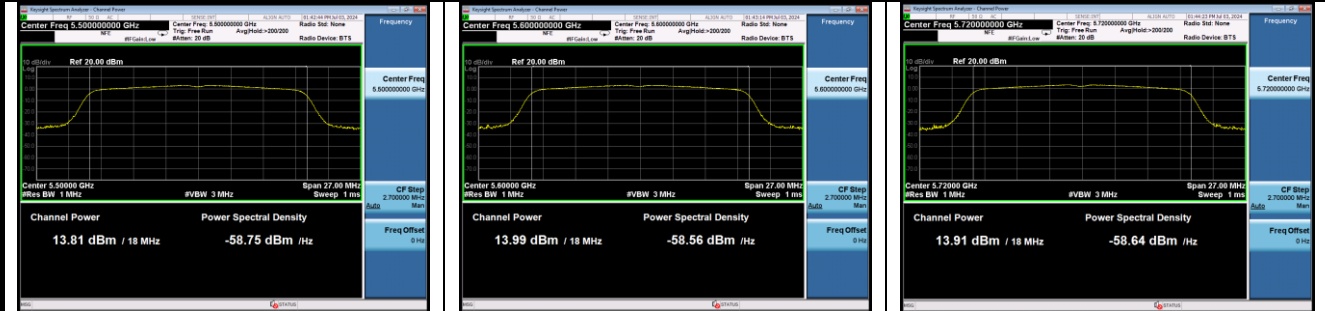
IEEE 802.11ac VHT80

U-NII-2C Band

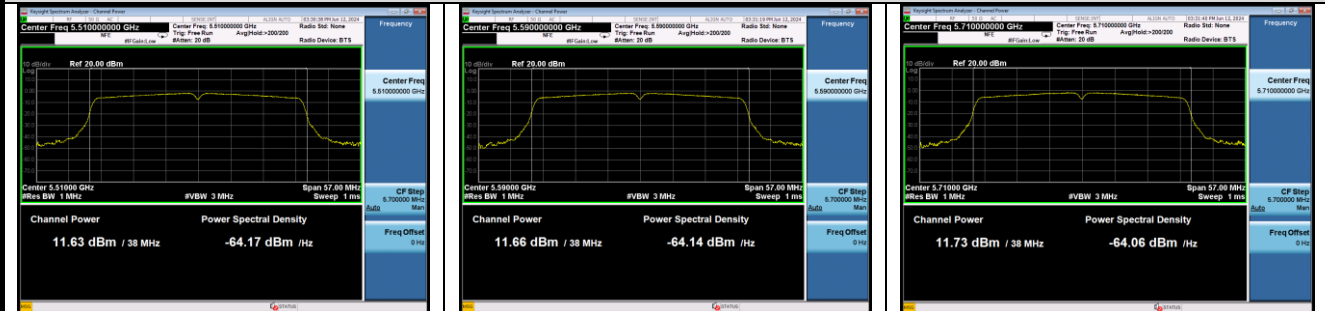
IEEE 802.11a



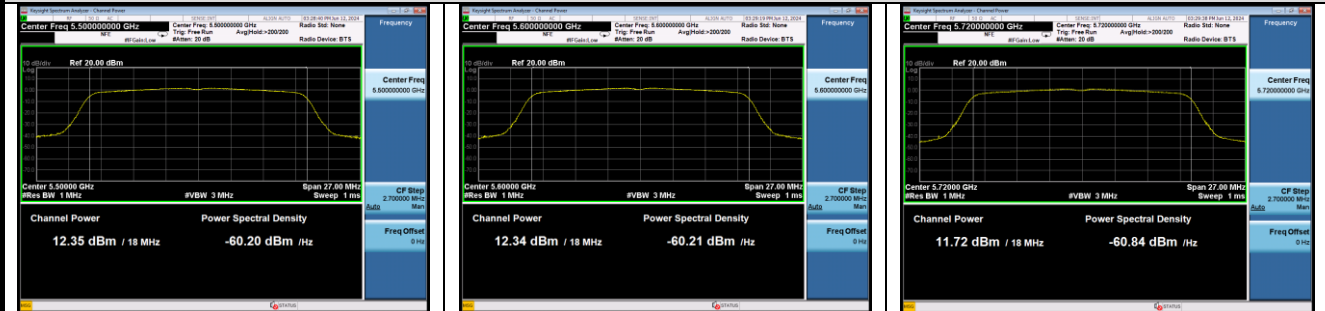
IEEE 802.11n HT20

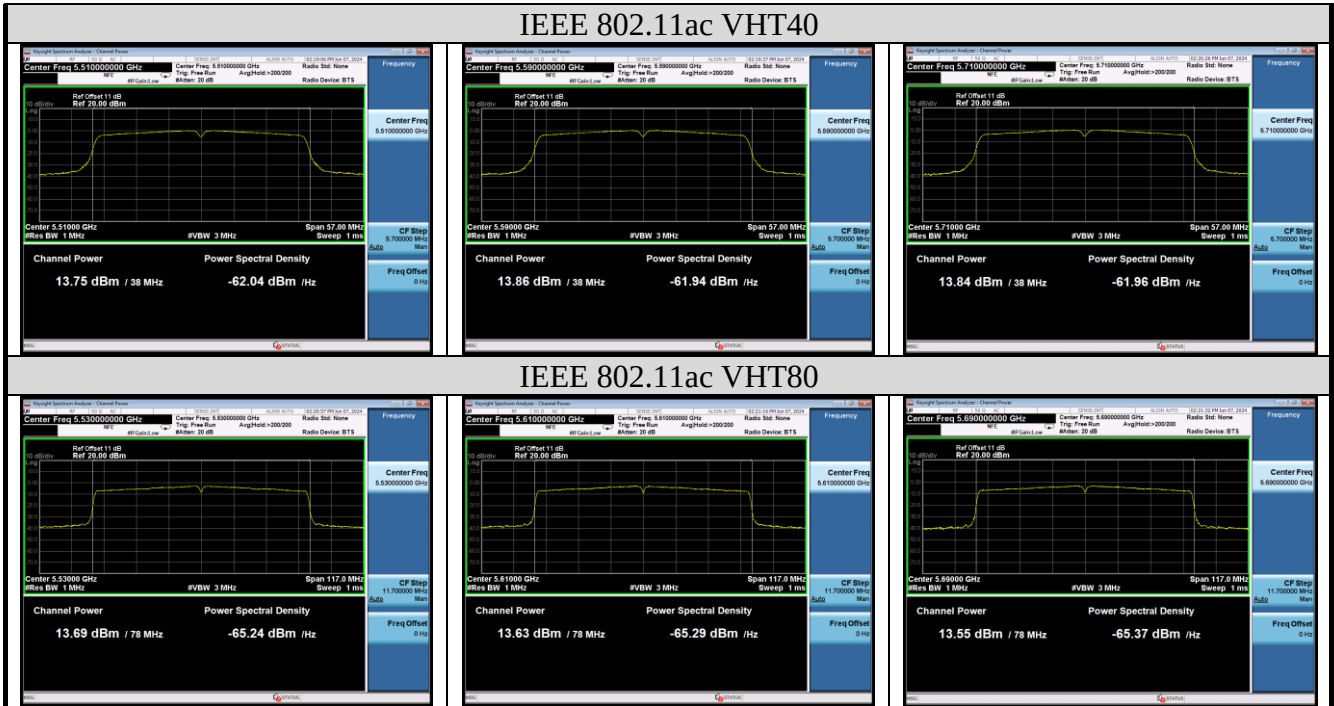


IEEE 802.11n HT40



IEEE 802.11ac VHT20

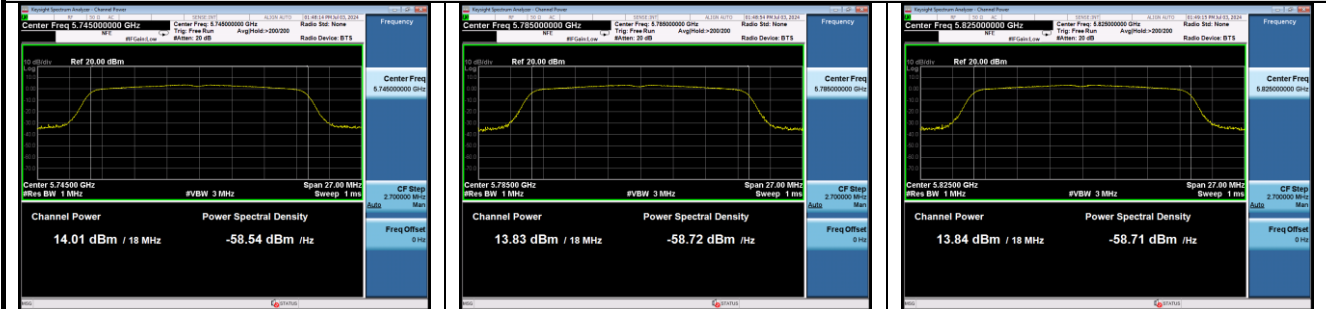




U-NII-3 Band IEEE 802.11a



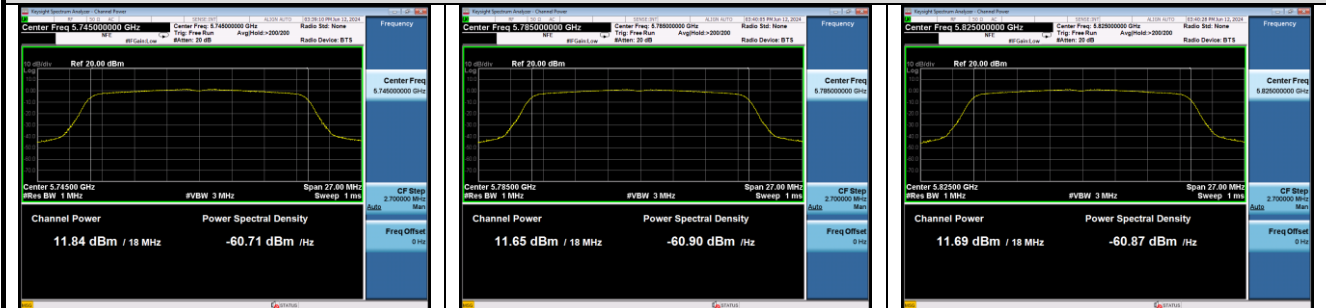
IEEE 802.11n HT20



IEEE 802.11n HT40



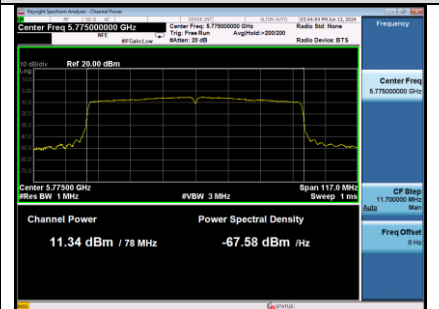
IEEE 802.11ac VHT20



IEEE 802.11ac VHT40



IEEE 802.11ac VHT80



8. SPECTRAL DENSITY TEST

8.1.Limit

Band 5150-5250 MHz:

The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

Band 5250-5350 MHz:

The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

Band 5470-5725 MHz:

The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

Band 5725-5850 MHz:

The power spectral density shall not exceed 30 dBm in any 500 KHz band.

8.2.Test Procedure

Use the test method described in ANSI C63.10 clause 12.5:

For the Band 5.15-5.35GHz; 5.47-5.725 GHz:

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

For the band 5.725-5.85 GHz:

The transmitter output was connected to a spectrum analyzer.

So use the test method described in KDB789033 clause E

- 1) Set the RBW=100kHz and VBW =300kHz
- 2) Number of points in sweep $\geq 2 \text{ Span} / \text{RBW}$. (This ensures that bin-to-bin spacing is $\leq \text{RBW}/2$, so that narrowband signals are not lost between frequency bins.)
- 3) Sweep time = auto
- 4) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- 5) Use the “peak search” function of spectrum analyzer find the max value, then add $10\log(500\text{kHz}/\text{RBW})$ to the measured result.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

8.3.Test Results

U-NII-1 Band:

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-06-12~07-03	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: lili	Test site: RF site	Temperature: 22.3±0.6℃

Test Mode	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
11a	5180	3.621	11
	5200	3.791	
	5240	4.305	
11n HT20	5180	3.409	11
	5200	3.691	
	5240	4.003	
11n HT40	5190	-1.715	11
	5230	-1.355	
11ac VHT20	5180	1.060	11
	5200	1.293	
	5240	1.432	
11ac VHT40	5190	0.739	11
	5230	0.547	
11ac VHT80	5210	-2.656	11
Conclusion:Pass			

Note: The total result = Reading + 10 log(500kHz/100kHz)

FCC ID: 2ACCJB225

U-NII-2A Band:

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-06-12~07-03	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: lili	Test site: RF site	Temperature: 22.3±0.6℃

Test Mode	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
11a	5260	4.364	11
	5300	4.522	
	5320	4.080	
11n HT20	5260	3.717	11
	5300	3.415	
	5320	3.492	
11n HT40	5270	-1.901	11
	5310	-1.785	
11ac VHT20	5260	1.964	11
	5300	1.852	
	5320	1.467	
11ac VHT40	5270	0.007	11
	5310	0.250	
11ac VHT80	5290	-2.712	11
Conclusion:Pass			

Note: The total result = Reading + 10 log(500kHz/100kHz)

U-NII-2C Band:

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-06-12~07-03	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: lili	Test site: RF site	Temperature: 22.3±0.6℃

Test Mode	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Limit (dBm/MHz)
11a	5500	4.092	11
	5600	4.199	
	5720	4.230	
11n HT20	5500	3.538	11
	5600	3.944	
	5720	3.681	
11n HT40	5510	-1.298	11
	5590	-1.517	
	5710	-1.571	
11ac VHT20	5500	1.991	11
	5600	2.061	
	5720	1.527	
11ac VHT40	5510	0.507	11
	5590	0.617	
	5710	0.628	
11ac VHT80	5530	-2.514	11
	5610	-2.576	
	5690	-2.475	
Conclusion:Pass			

Note: The total result = Reading + 10 log(500kHz/100kHz)

FCC ID: 2ACCJB225

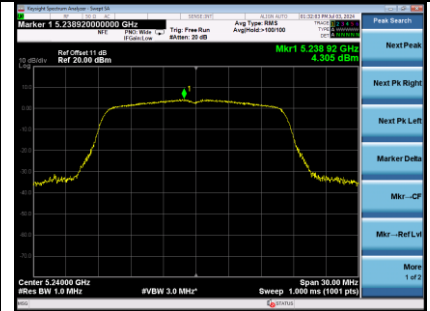
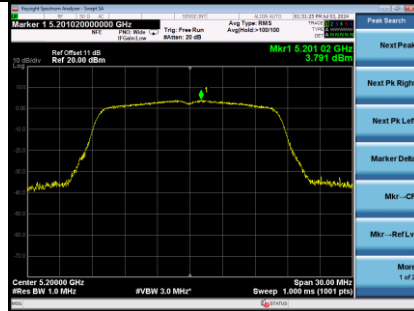
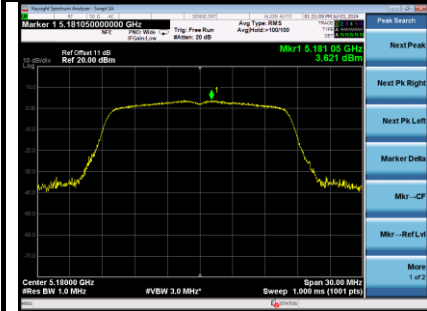
U-NII-3 Band:

EUT: Tablet PC		
M/N: 8188X		
Test date: 2024-06-12~07-03	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: lili	Test site: RF site	Temperature: 22.3±0.6℃

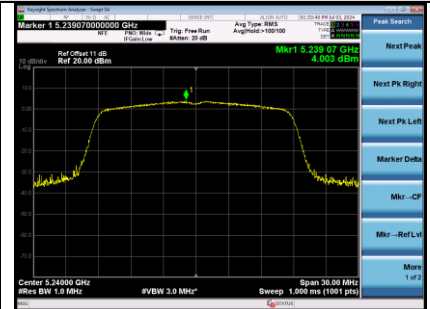
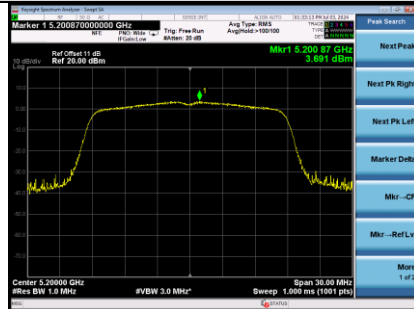
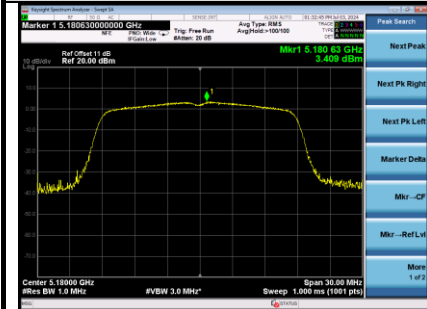
Test Mode	Frequency (MHz)	Power Spectral Density (dBm/500KHz)	Limit (dBm/500KHz)
11a	5745	2.85	30
	5785	2.10	
	5825	2.34	
11n HT20	5745	2.25	30
	5785	1.88	
	5825	2.30	
11n HT40	5755	-10.612	30
	5795	-10.548	
11ac VHT20	5745	-7.715	30
	5785	-7.076	
	5825	-7.385	
11ac VHT40	5755	-10.255	30
	5795	-10.945	
11ac VHT80	5775	-13.525	30
Conclusion:Pass			

Note: The total result = Reading + 10 log(500kHz/100kHz)

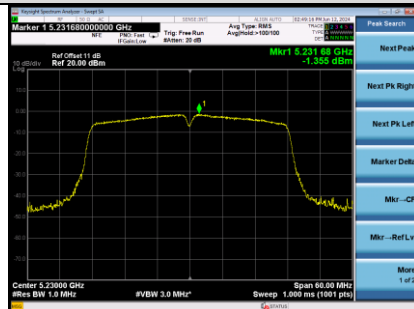
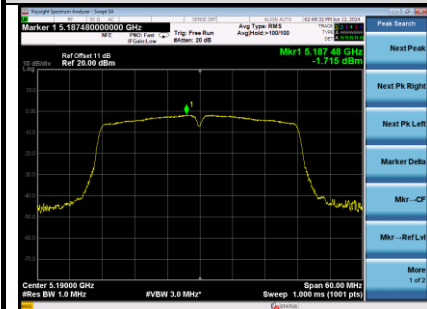
U-NII-1 Band IEEE 802.11a



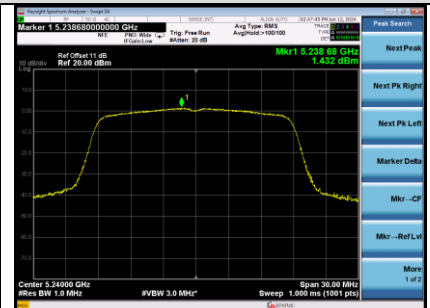
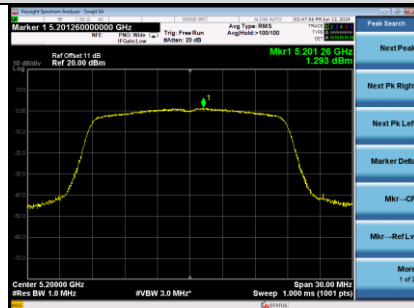
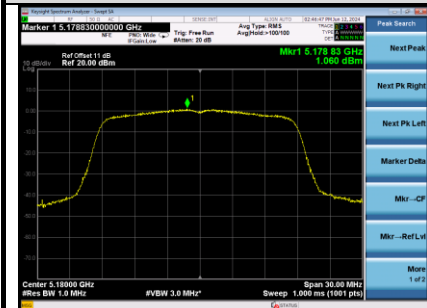
IEEE 802.11n HT20



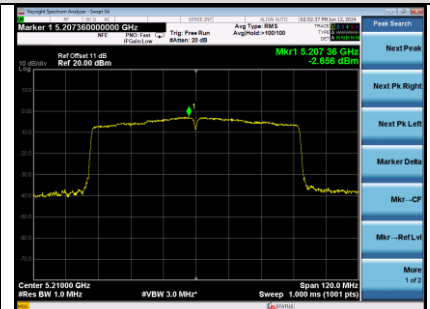
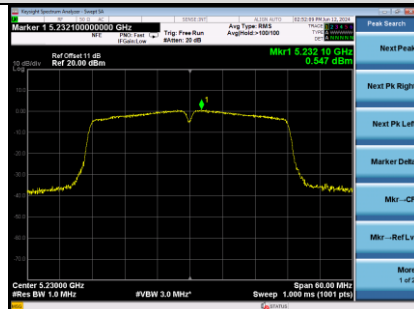
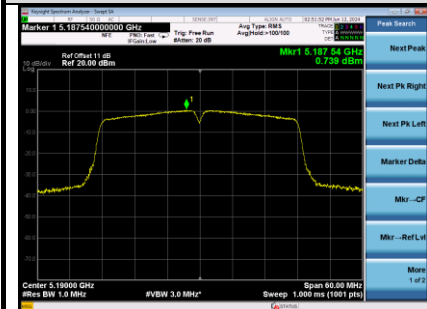
IEEE 802.11n HT40



IEEE 802.11ac VHT20



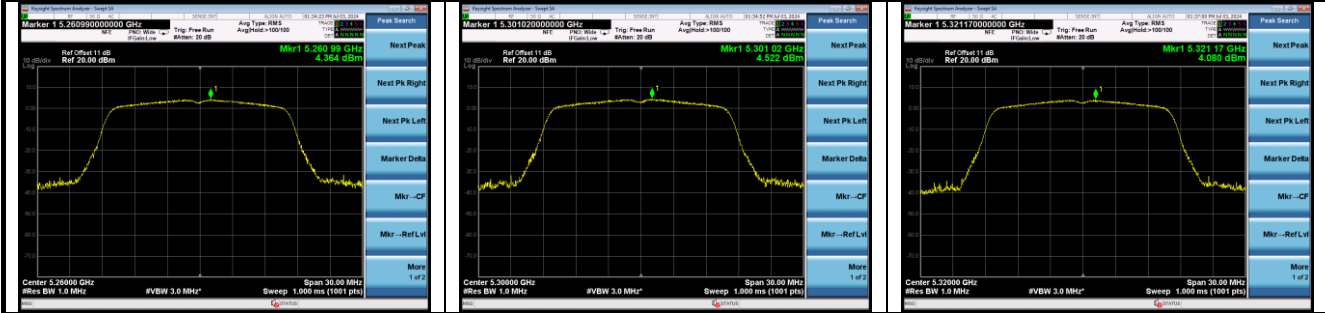
IEEE 802.11ac VHT40



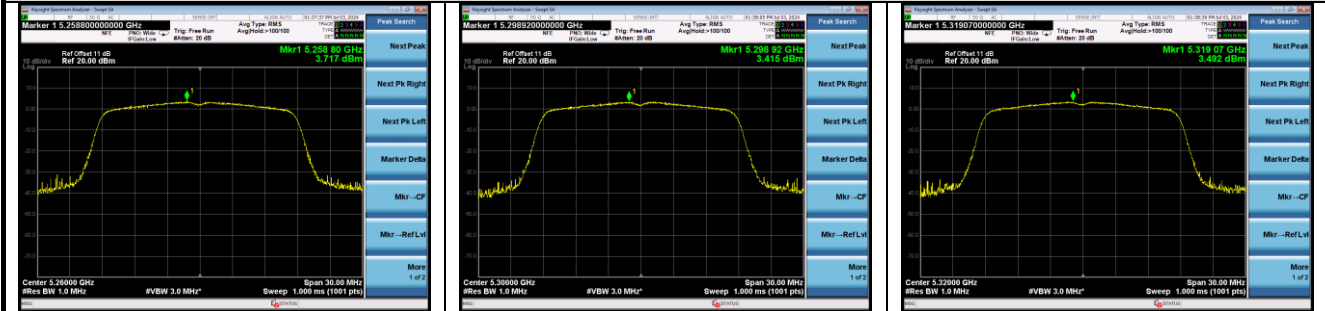
IEEE 802.11ac VHT80

U-NII-2A Band

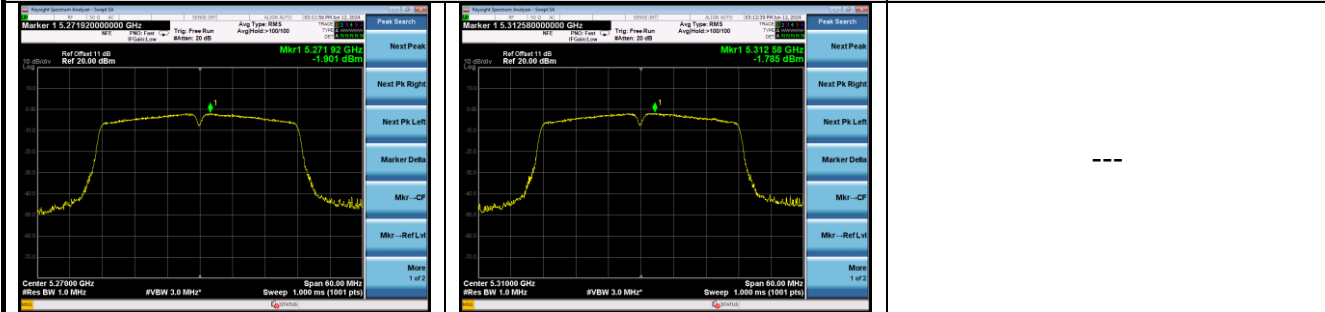
IEEE 802.11a



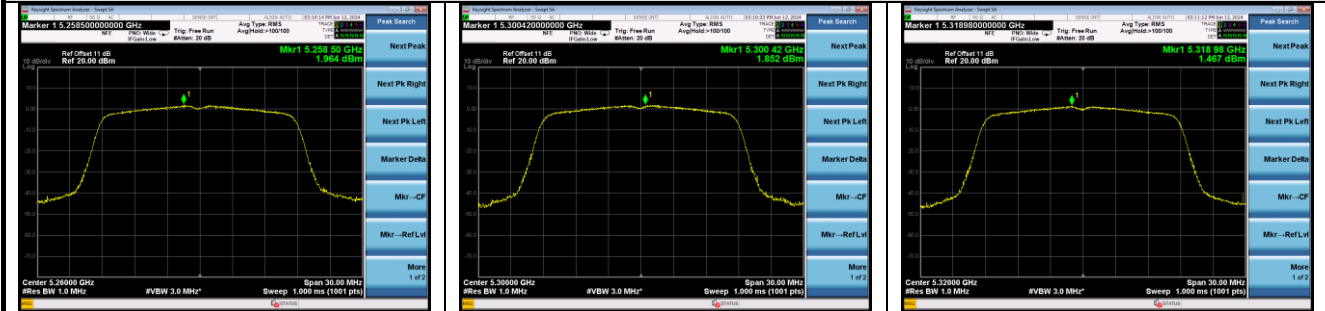
IEEE 802.11n HT20



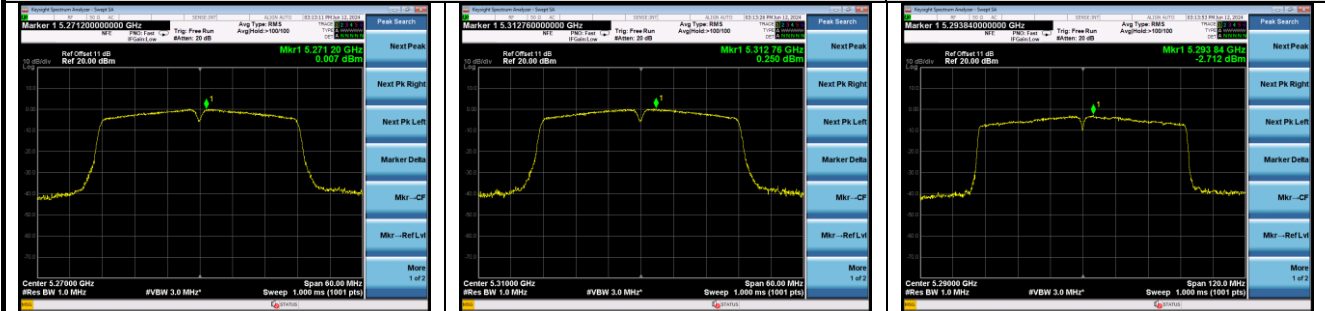
IEEE 802.11n HT40



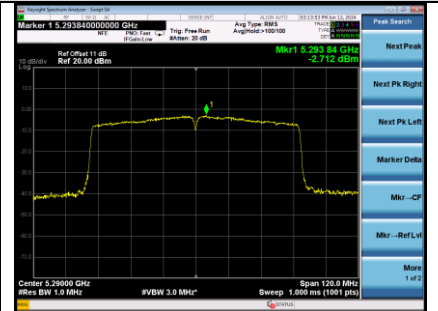
IEEE 802.11ac VHT20



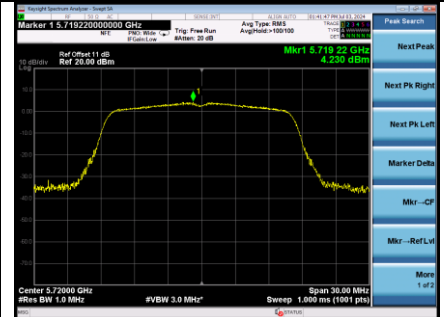
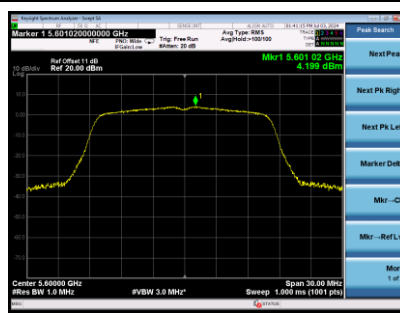
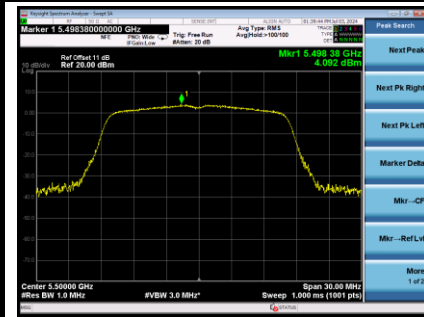
IEEE 802.11ac VHT40



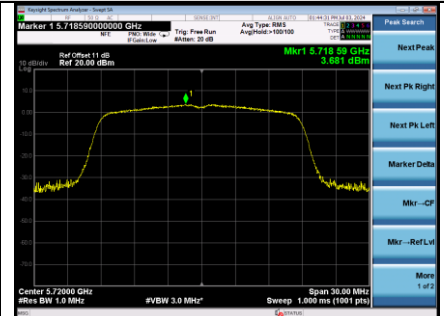
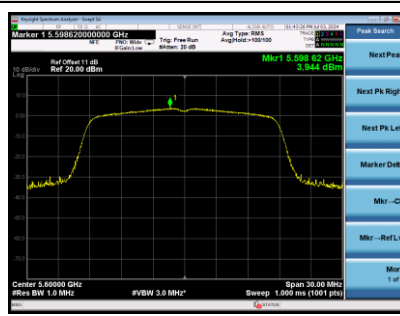
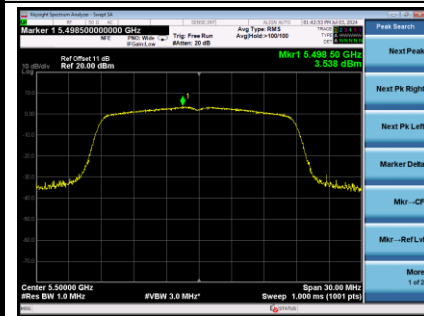
IEEE 802.11ac VHT80



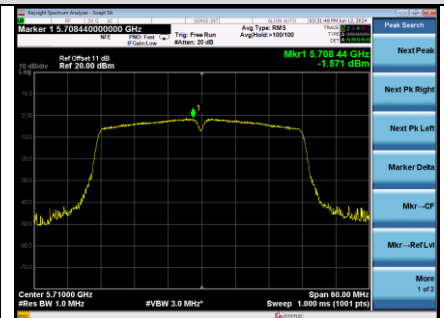
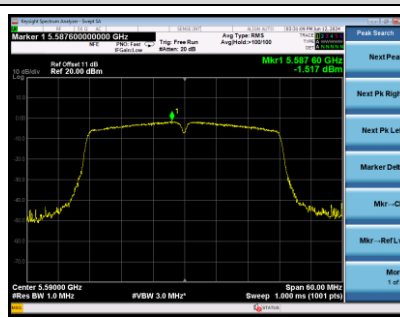
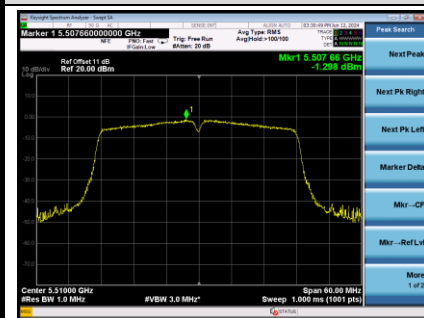
U-NII-2C Band IEEE 802.11a



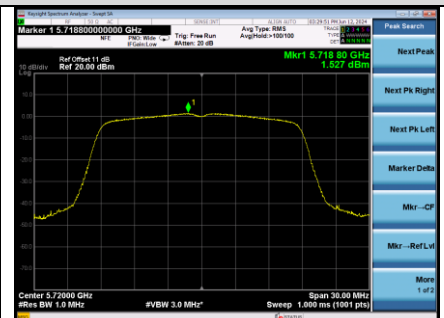
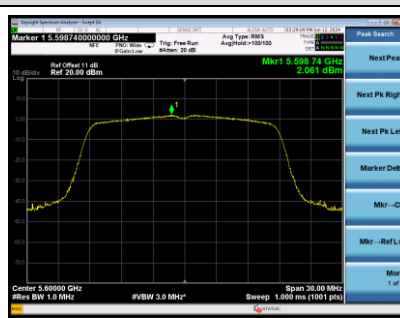
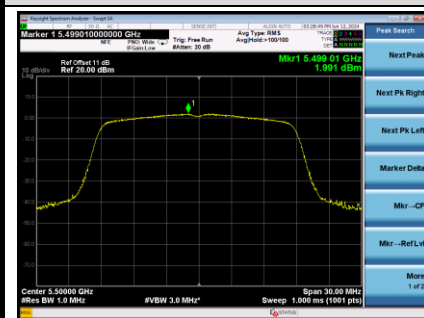
IEEE 802.11n HT20



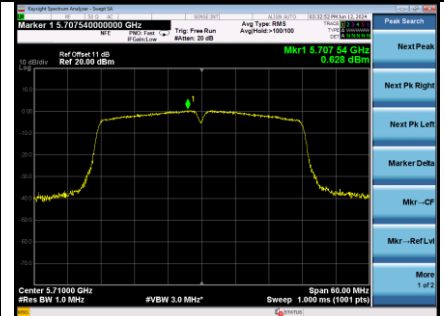
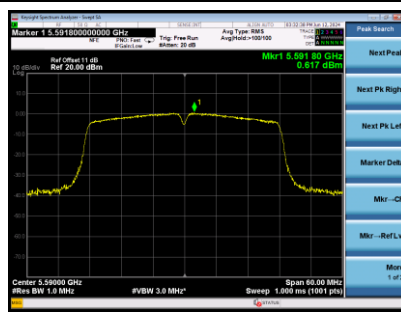
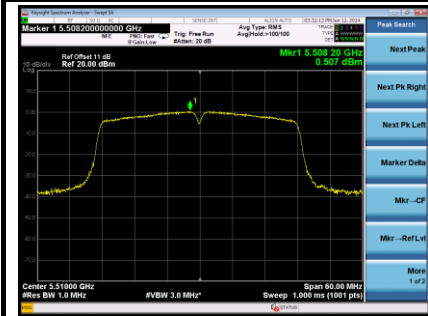
IEEE 802.11n HT40



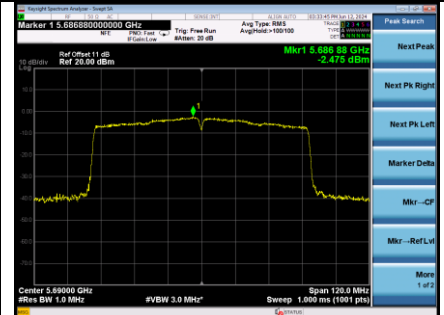
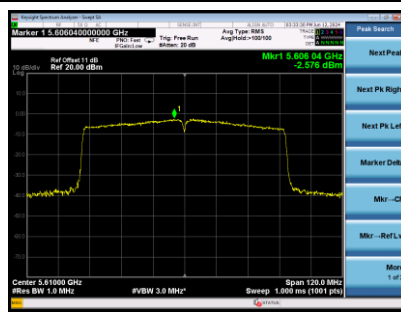
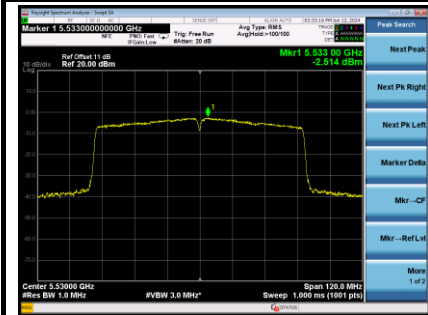
IEEE 802.11ac VHT20



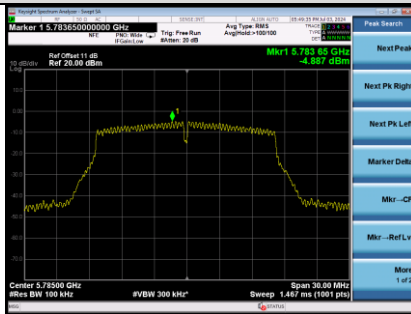
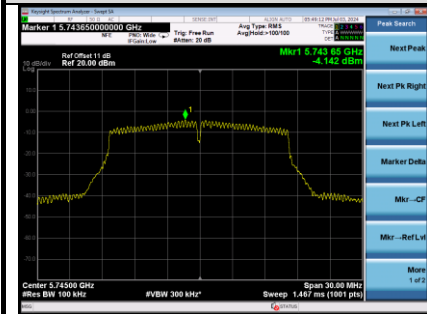
IEEE 802.11ac VHT40



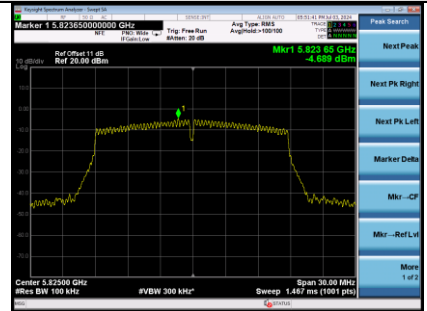
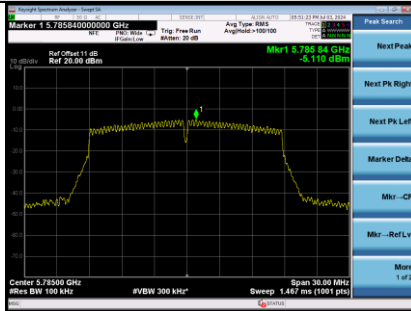
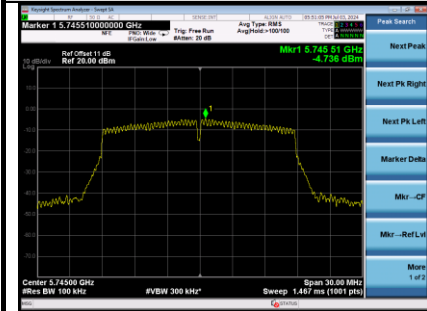
IEEE 802.11ac VHT80



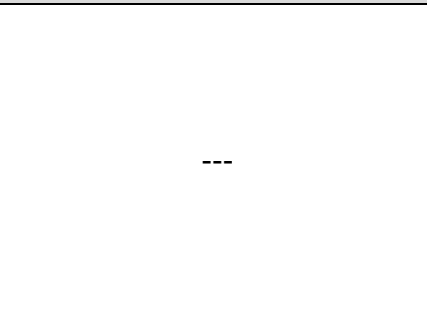
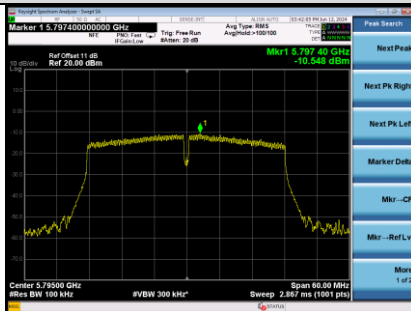
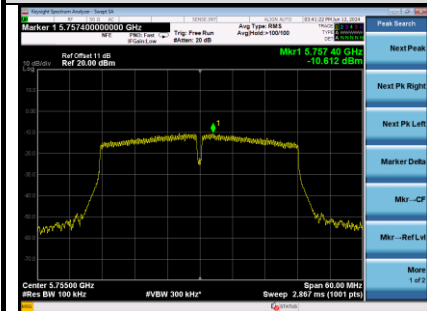
U-NII-3 Band IEEE 802.11a



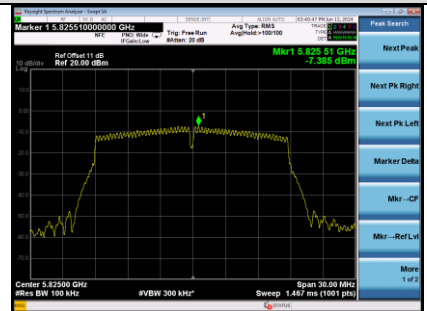
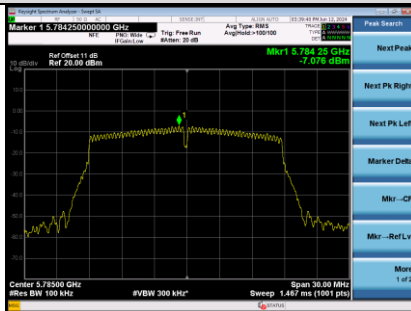
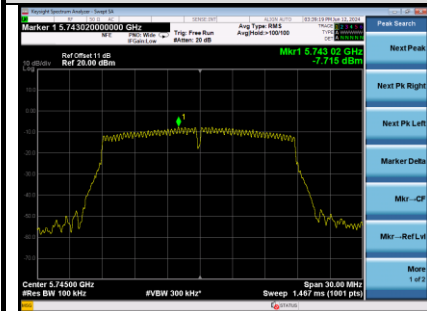
IEEE 802.11n HT20



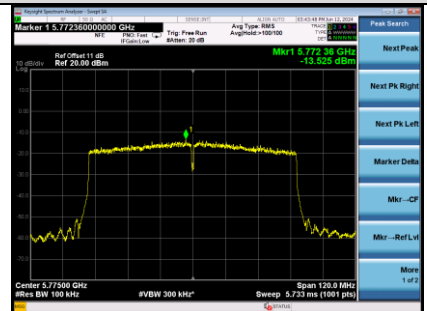
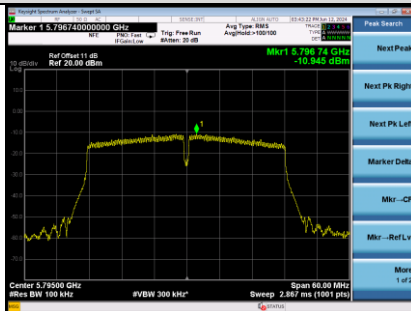
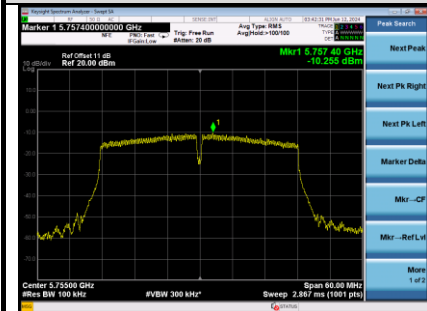
IEEE 802.11n HT40



IEEE 802.11ac VHT20



IEEE 802.11ac VHT40



IEEE 802.11ac VHT80