

8.4. Test Results

5180-5240MHz Band:

EUT: Cash Register		
M/N: SPB1-01		
Test date: 2017-07-04~05	Pressure: 102.8±1.0 kpa	Humidity: 53.2±3.0%
Tested by: zack_zhu	Test site: RF site	Temperature: 23.6±0.6 °C

Test Mode	Frequency (MHz)	Power density (dBm/MHz)		Limit (dBm/MHz)	
		ANT0	ANT1	ANT0	ANT1
11a	5180	4.656	3.048	11	10.87
	5200	4.518	3.137	11	10.87
	5240	4.605	3.377	11	10.87
11n HT20	5180	4.639	3.436	11	10.87
	5200	4.340	3.020	11	10.87
	5240	4.666	3.201	11	10.87
11n HT40	5190	1.178	0.979	11	10.87
	5230	1.024	1.122	11	10.87
11ac VHT20	5180	4.331	3.475	11	10.87
	5200	4.113	2.914	11	10.87
	5240	4.467	3.361	11	10.87
11ac VHT40	5190	0.896	0.904	11	10.87
	5230	0.403	0.883	11	10.87
11ac VHT80	5210	-3.518	-3.591	11	10.87

Conclusion: PASS

Note: For ANT0:

Antenna Gain= -2.39dBi<6dBi.

For ANT1:

Antenna Gain= 6.13dBi>6dBi.

5260-5320MHz Band:

EUT: Cash Register		
M/N: SPB1-01		
Test date: 2017-07-05	Pressure: 102.8±1.0 kpa	Humidity: 53.2±3.0%
Tested by: zack_zhu	Test site: RF site	Temperature: 23.6±0.6 °C

Test Mode	Frequency (MHz)	Power density (dBm/MHz)		Limit (dBm/MHz)	
		ANT0	ANT1	ANT0	ANT1
11a	5260	4.436	4.632	11	10.26
	5300	4.593	4.749	11	10.26
	5320	4.663	4.700	11	10.26
11n HT20	5260	4.174	3.999	11	10.26
	5300	4.681	4.428	11	10.26
	5320	4.474	4.724	11	10.26
11n HT40	5270	1.190	1.071	11	10.26
	5310	1.230	1.296	11	10.26
11ac VHT20	5260	4.208	4.051	11	10.26
	5300	4.311	4.534	11	10.26
	5320	4.349	4.449	11	10.26
11ac VHT40	5270	0.862	1.228	11	10.26
	5310	1.145	1.565	11	10.26
11ac VHT80	5290	-3.675	-3.420	11	10.26

Conclusion: PASS

Note: For ANT0:

Antenna Gain= -1.76dBi<6dBi.

For ANT1:

Antenna Gain= 6.74dBi>6dBi.

5500-5700MHz Band:

EUT: Cash Register		
M/N: SPB1-01		
Test date: 2017-07-05	Pressure: 103.2±1.0 kpa	Humidity:52.7±3.0%
Tested by: zack_zhu	Test site: RF site	Temperature:23.3±0.6 °C

Test Mode	Frequency (MHz)	Power density (dBm/MHz)		Limit (dBm/MHz)	
		ANT0	ANT1	ANT0	ANT1
11a	5500	4.878	4.793	11	10.08
	5600	4.652	4.845	11	10.08
	5700	4.447	4.419	11	10.08
11n HT20	5500	4.905	4.688	11	10.08
	5600	4.042	4.314	11	10.08
	5700	4.074	4.030	11	10.08
11n HT40	5510	1.374	1.401	11	10.08
	5590	0.794	0.968	11	10.08
	5670	0.643	0.321	11	10.08
11ac VHT20	5500	4.823	4.606	11	10.08
	5600	4.356	4.188	11	10.08
	5700	4.093	4.465	11	10.08
11ac VHT40	5510	1.271	1.410	11	10.08
	5590	0.975	0.653	11	10.08
	5670	0.285	0.844	11	10.08
11ac VHT80	5530	-3.345	-3.276	11	10.08
	5610	-4.160	-3.561	11	10.08
	5690	-3.034	-2.724	11	10.08

Conclusion: PASS

Note: For ANT0:

Antenna Gain= 1.42dBi<6dBi.

For ANT1:

Antenna Gain= 6.92dBi>6dBi.

5745-5825MHz Band:

EUT: Cash Register		
M/N: SPB1-01		
Test date: 2017-07-10	Pressure: 102.8±1.0 kpa	Humidity: 53.2±3.0%
Tested by: zack_zhu	Test site: RF site	Temperature: 23.6±0.6 °C

Test Mode	Frequency (MHz)	Power density (dBm/500KHz)		Limit (dBm/500KHz)	
		ANT0	ANT1	ANT0	ANT1
11a	5745	2.9867	2.8307	30	29.02
	5785	3.2187	3.1817	30	29.02
	5825	3.2047	3.3607	30	29.02
11n HT20	5745	2.7257	2.6827	30	29.02
	5785	3.2207	3.3987	30	29.02
	5825	3.3487	3.1887	30	29.02
11n HT40	5755	-0.4773	-0.9163	30	29.02
	5795	-0.7873	-1.0153	30	29.02
11ac VHT20	5745	2.7127	2.8557	30	29.02
	5785	3.2997	3.4727	30	29.02
	5825	3.6397	3.2527	30	29.02
11ac VHT40	5755	-0.5773	-0.6653	30	29.02
	5795	-0.4153	-0.3583	30	29.02
11ac VHT80	5775	-4.8303	-3.6333	30	29.02
Conclusion: PASS					

Note: 1. For ANT0:
Antenna Gain= 0.55dBi<6dBi.

For ANT1:
Antenna Gain= 6.98dBi>6dBi.

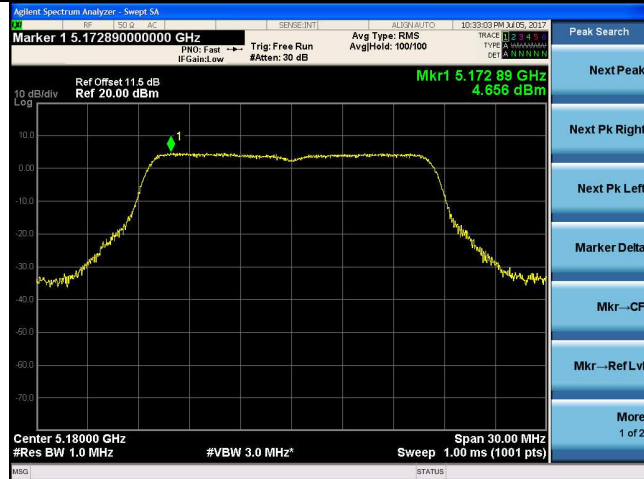
2. The total result = Reading + 10log(500kHz/100kHz)

5180-5240MHz Band:

ANT 0

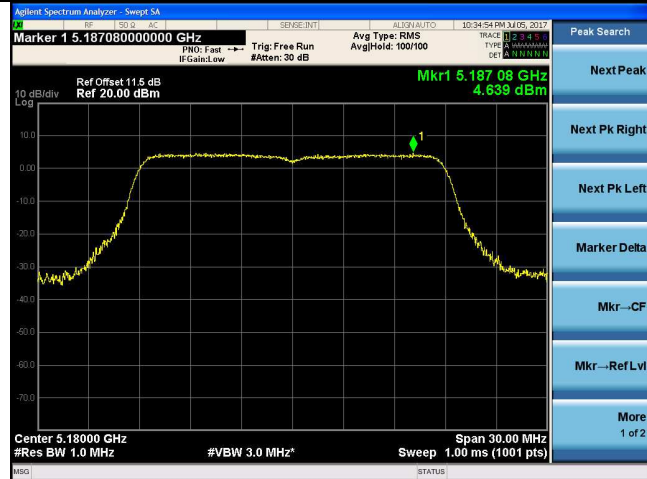
11a

5180MHz



11n HT20

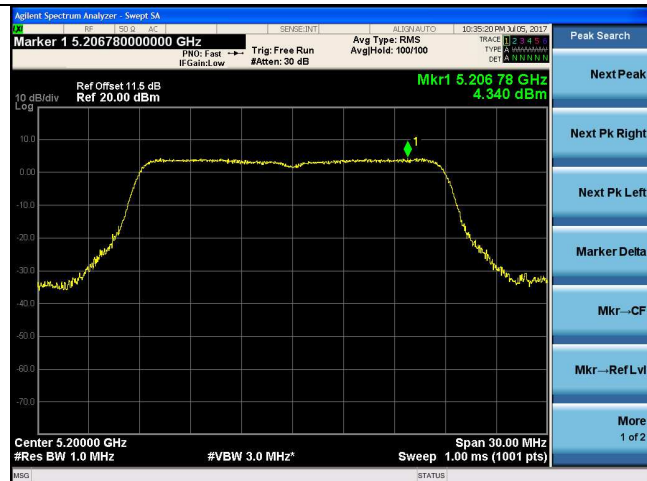
5180MHz



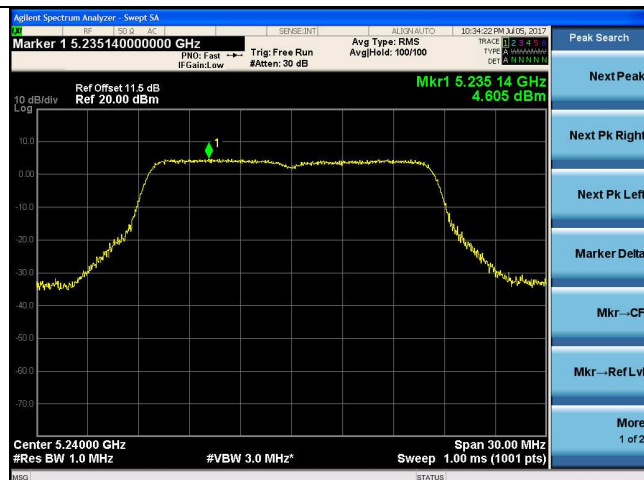
5200MHz



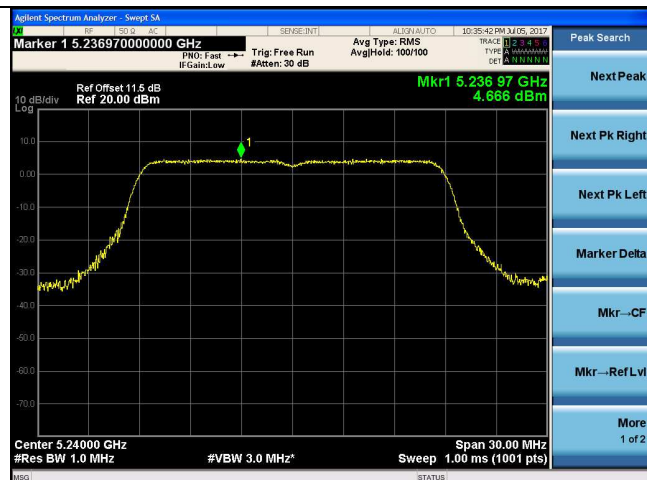
5200MHz

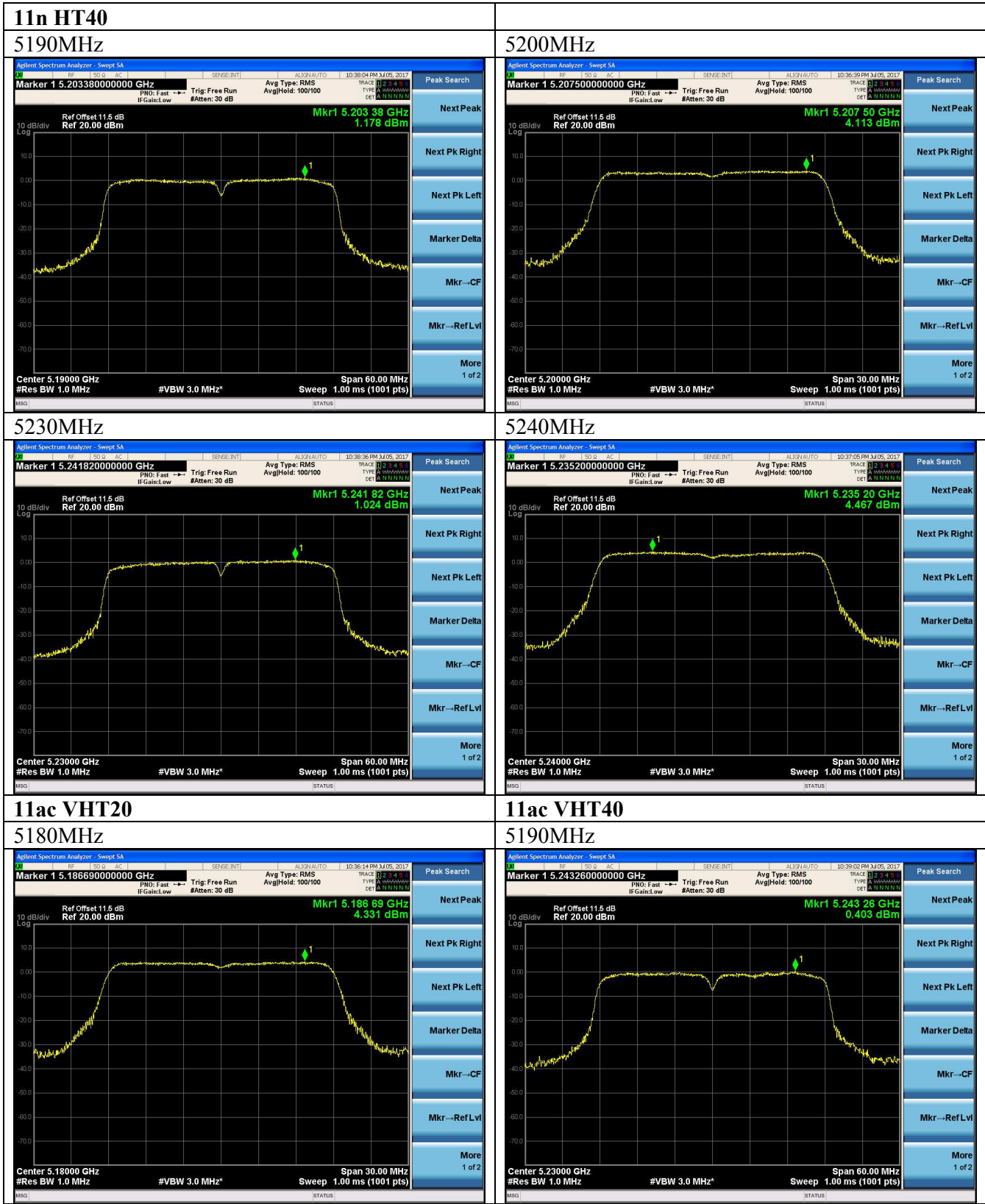


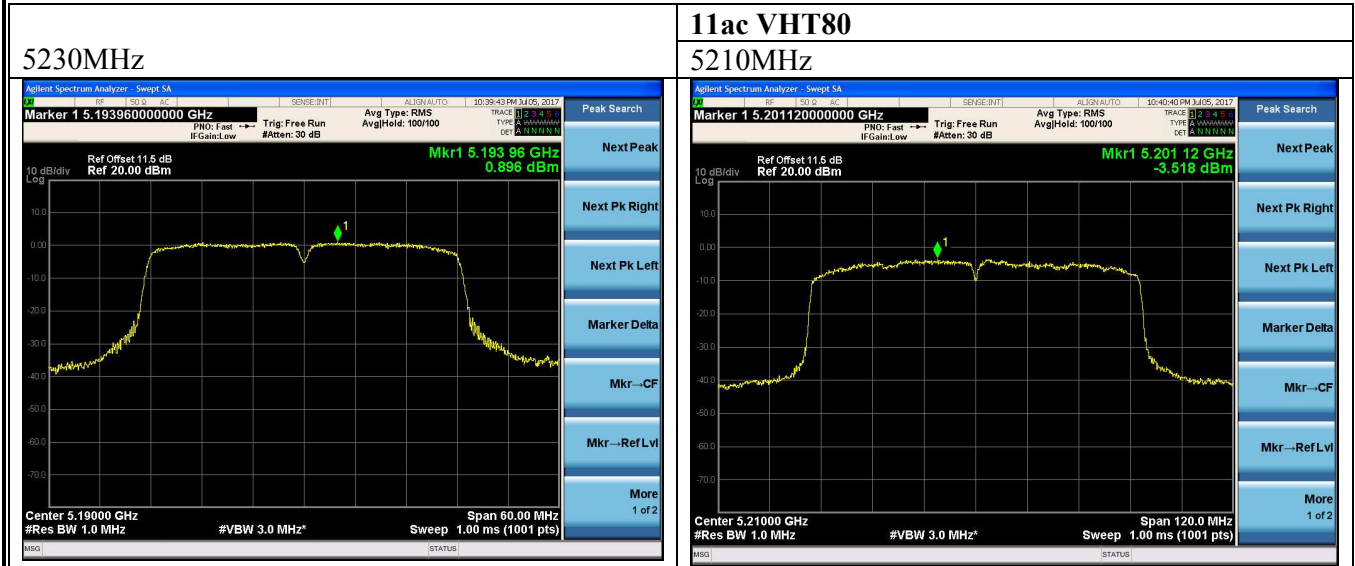
5240MHz



5240MHz





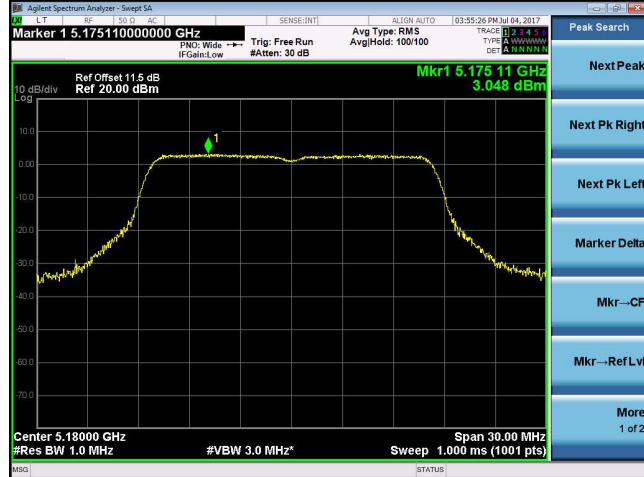


5180-5240MHz Band:

ANT 1

11a

5180MHz

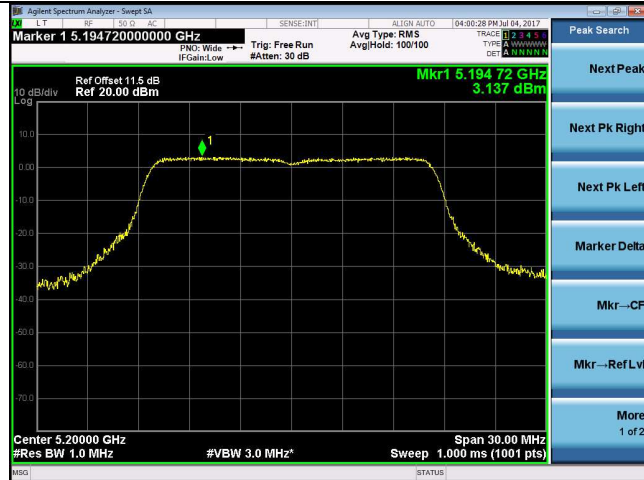


11n HT20

5180MHz



5200MHz



5200MHz



5240MHz

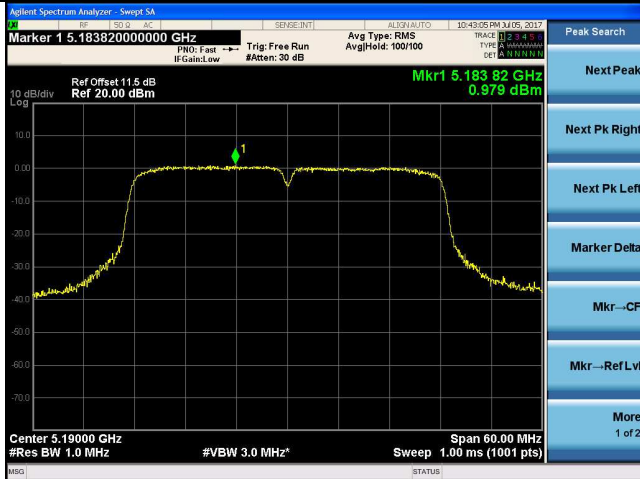


5240MHz

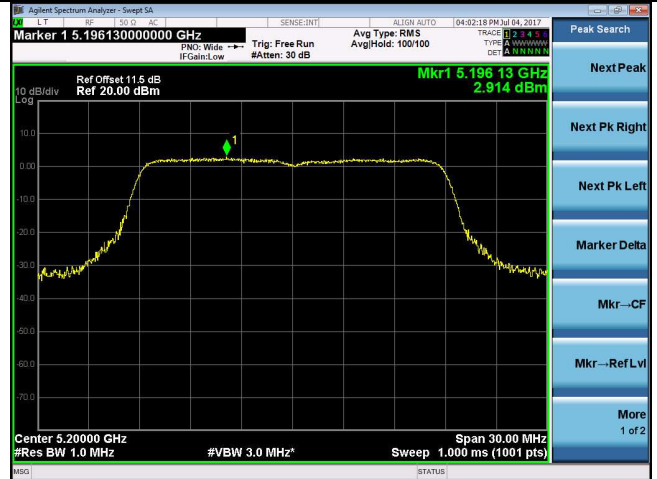


11n HT40

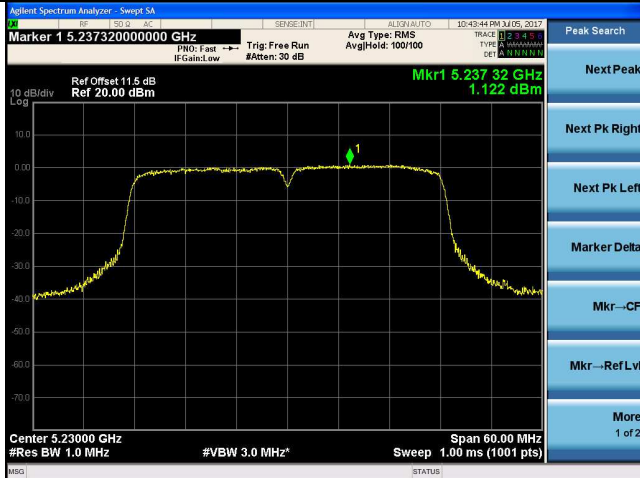
5190MHz



5200MHz



5230MHz

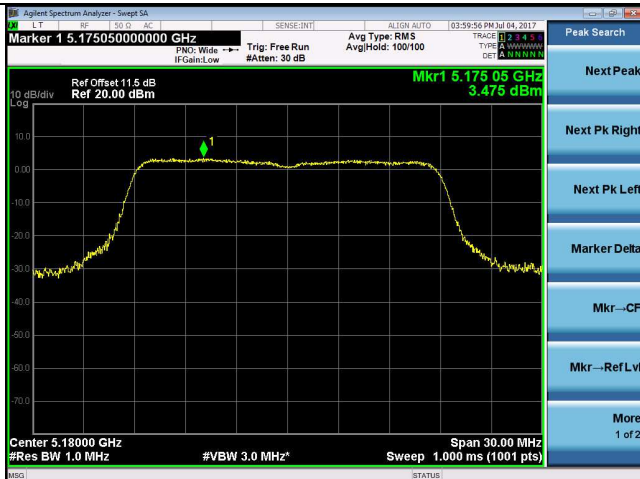


5240MHz



11ac VHT20

5180MHz



11ac VHT40

5190MHz

