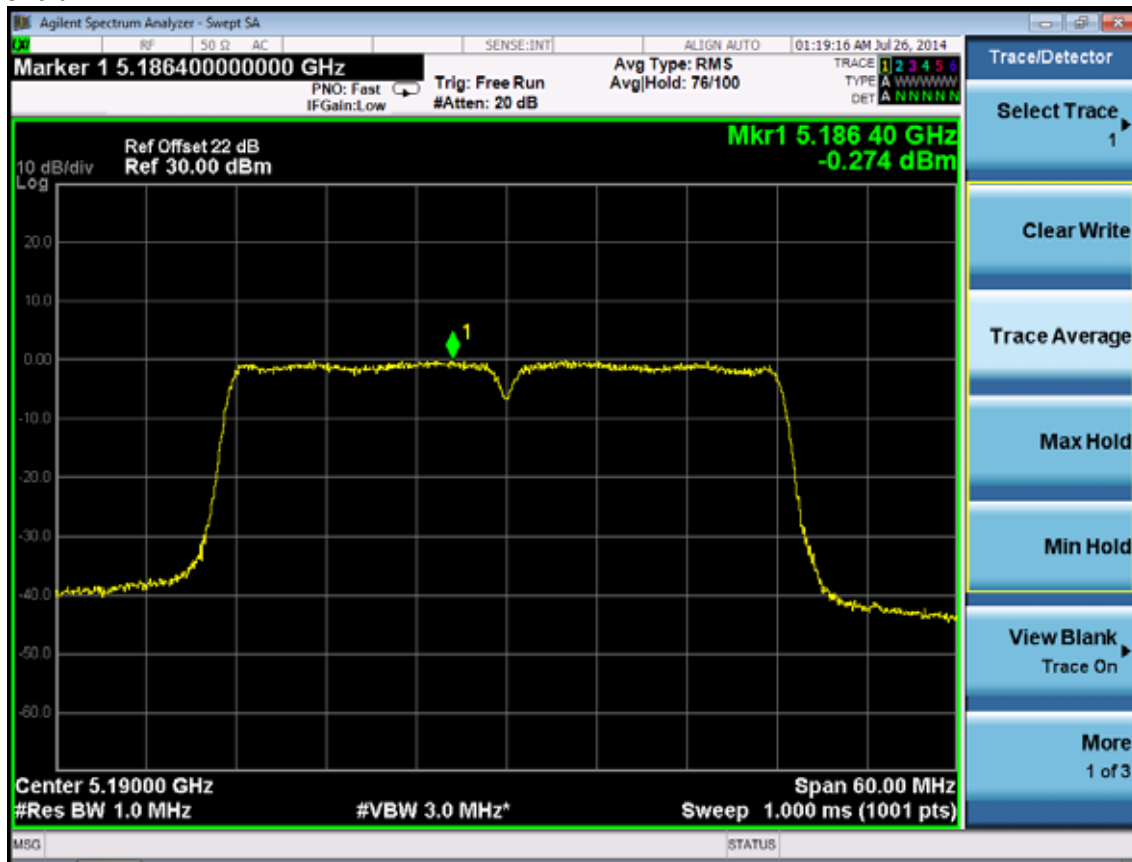
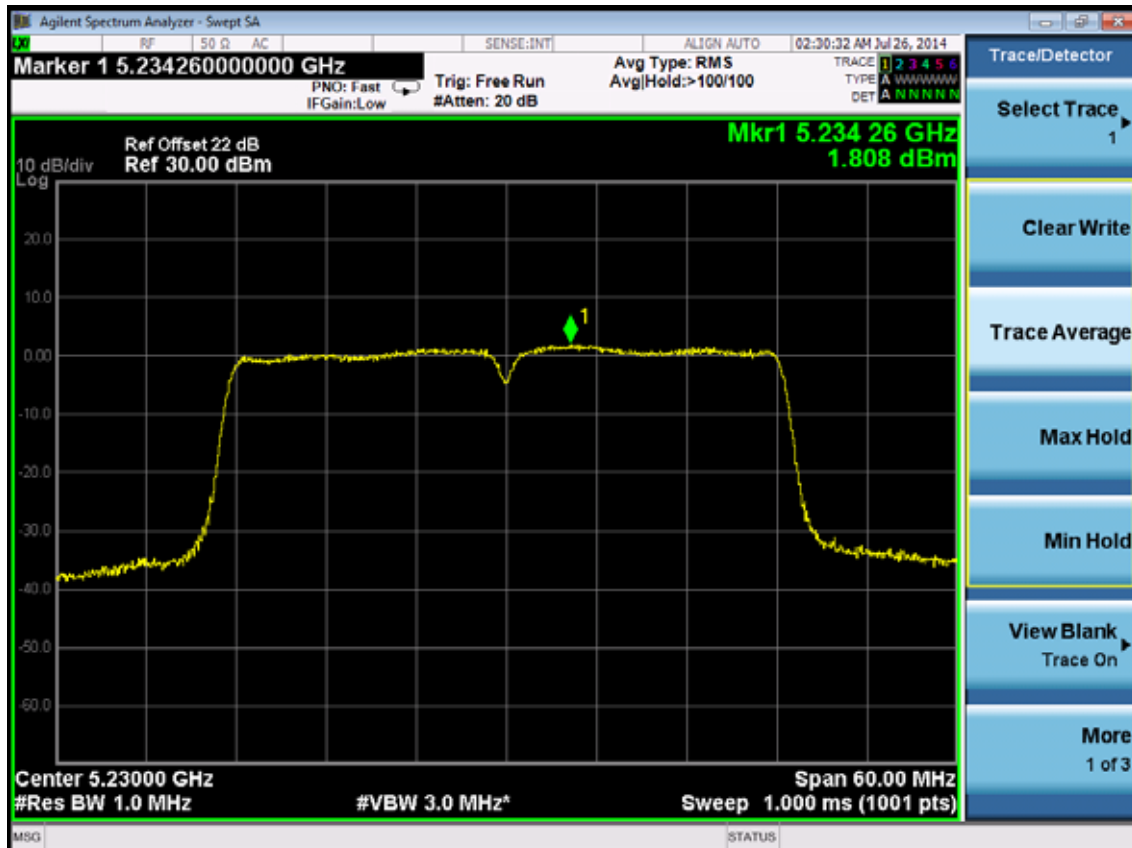


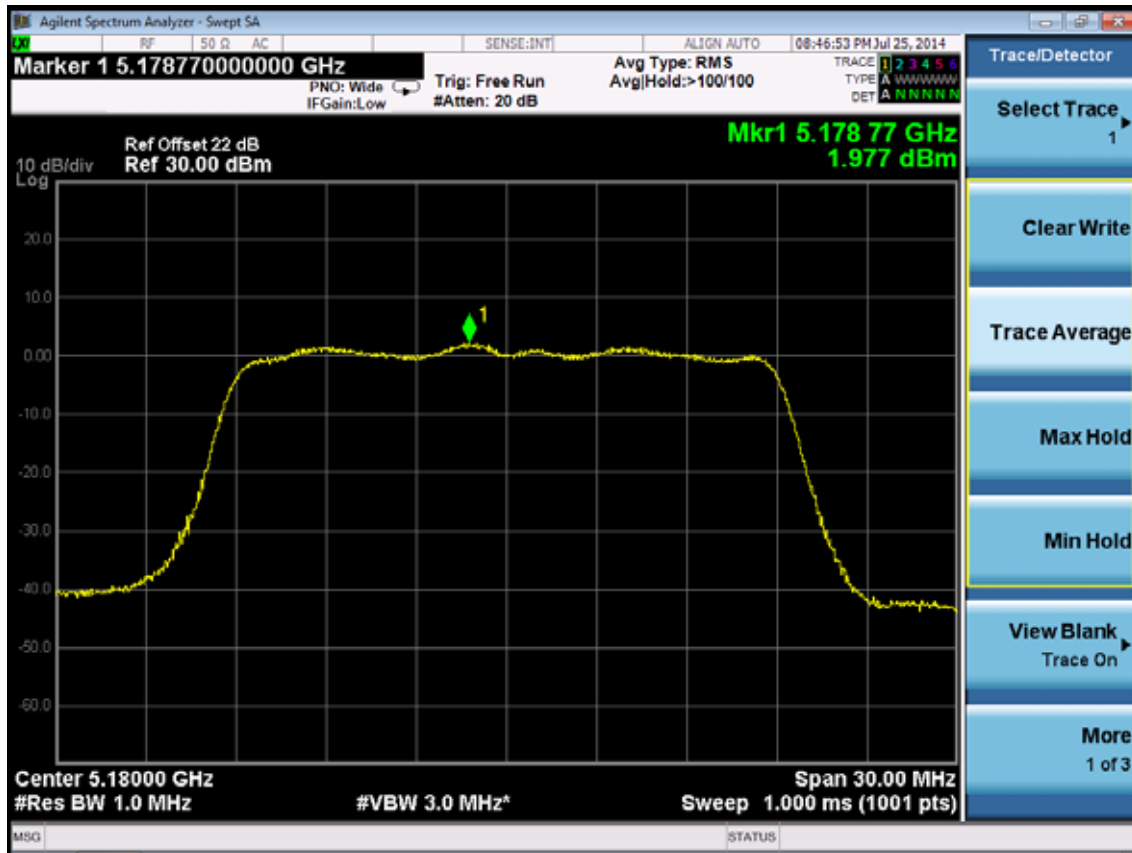
11nHT40
5190MHz



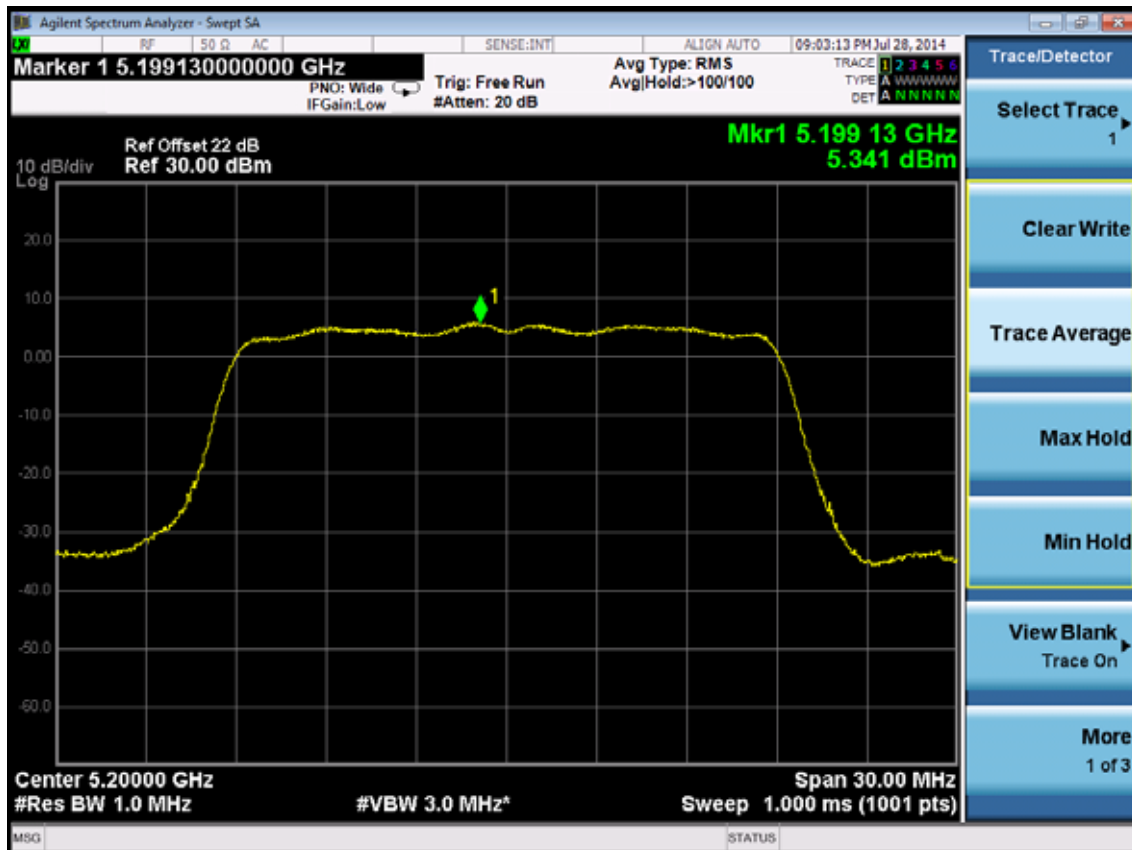
5230MHz



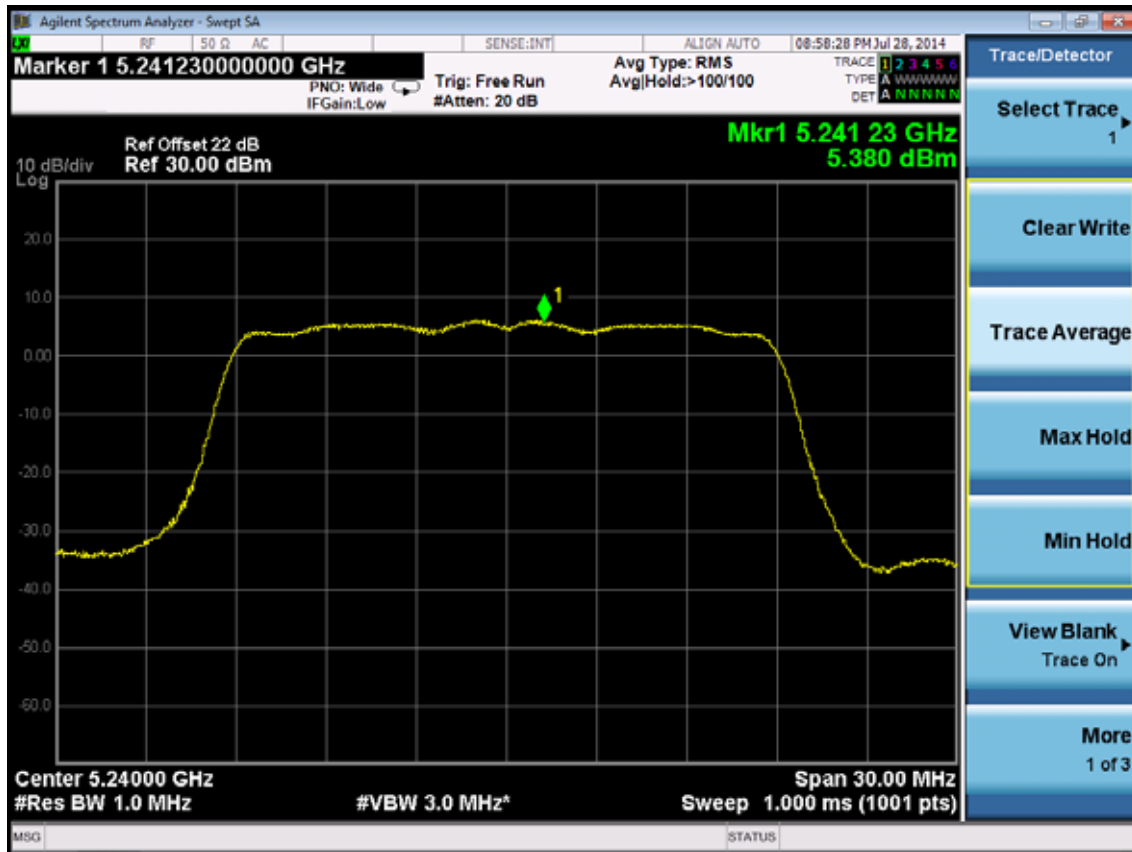
11ac VHT20
5180MHz



5210MHz

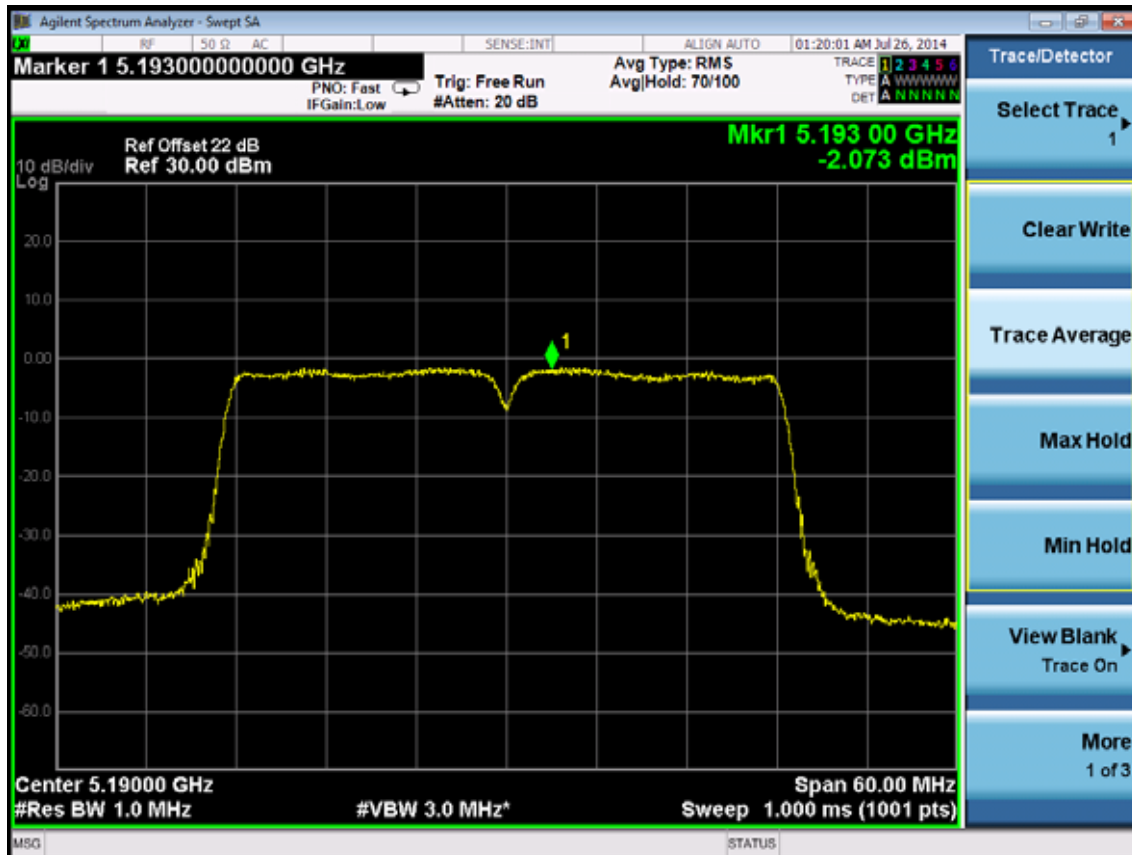


5240MHz

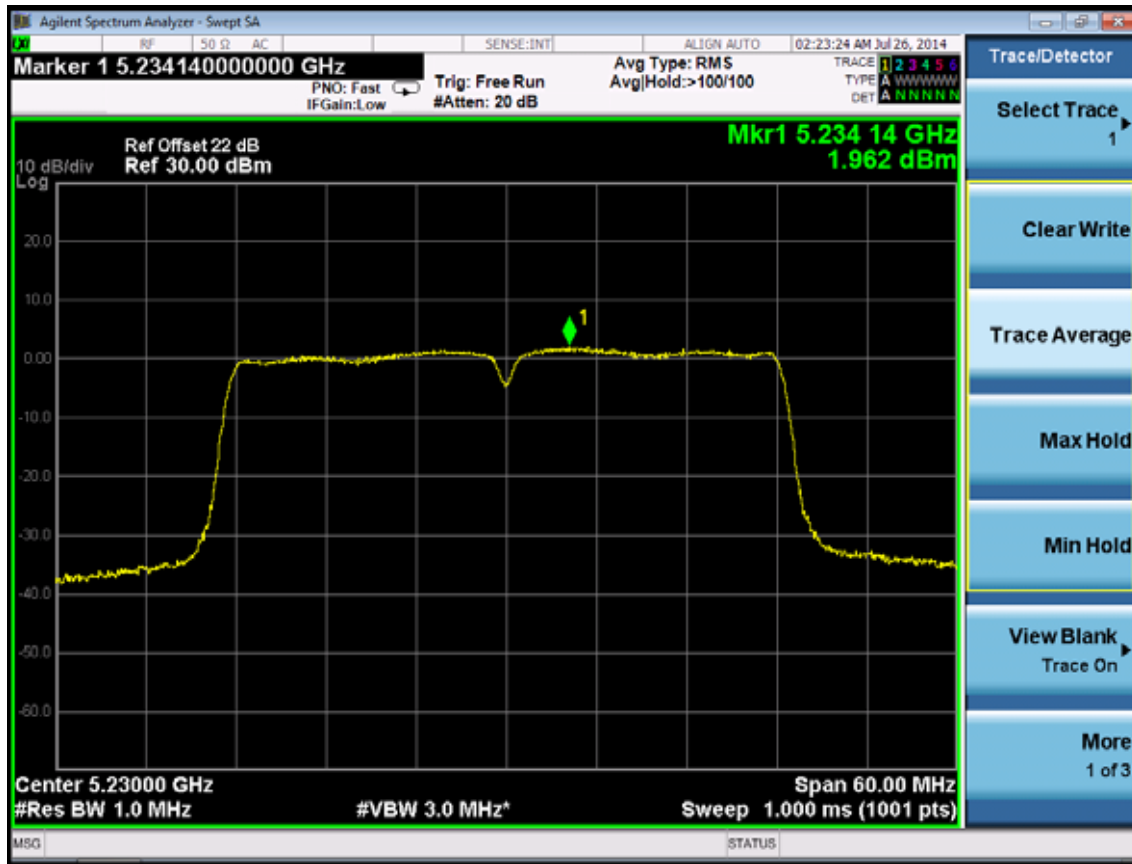


11ac VHT40

5190MHz

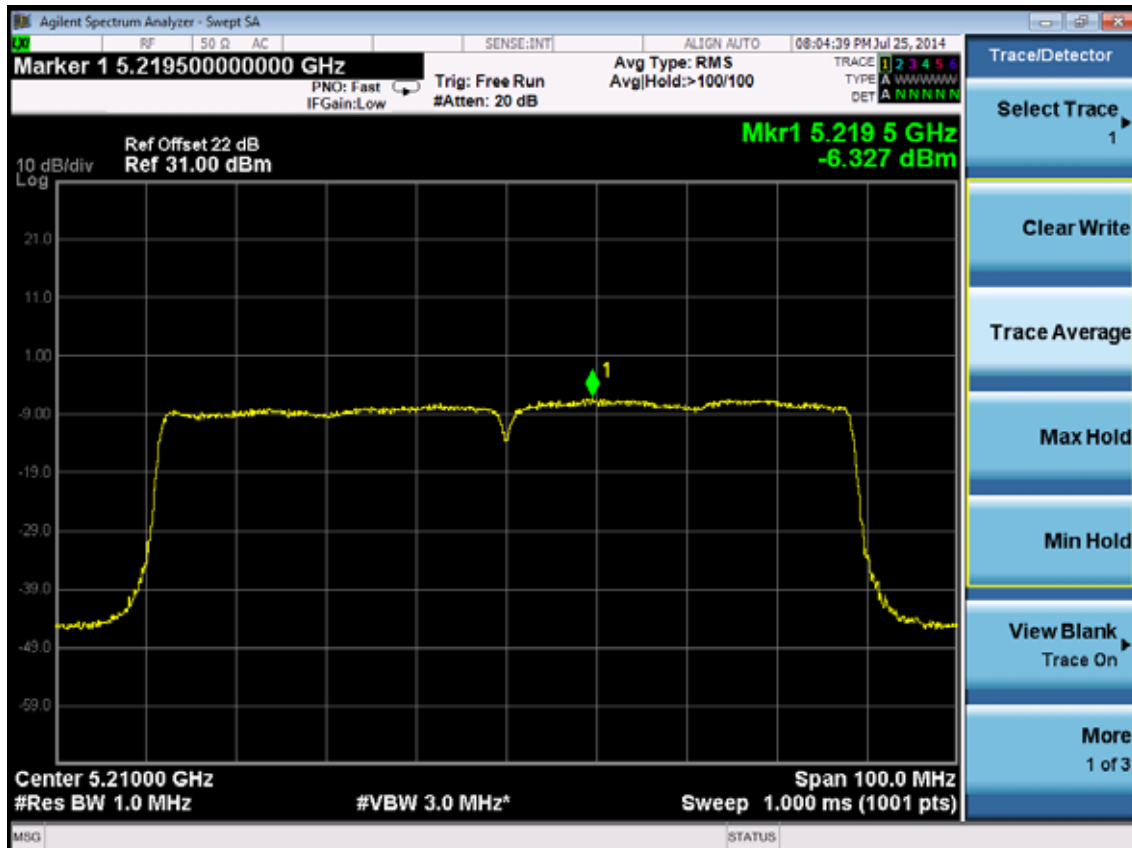


5230MHz



11ac VHT80

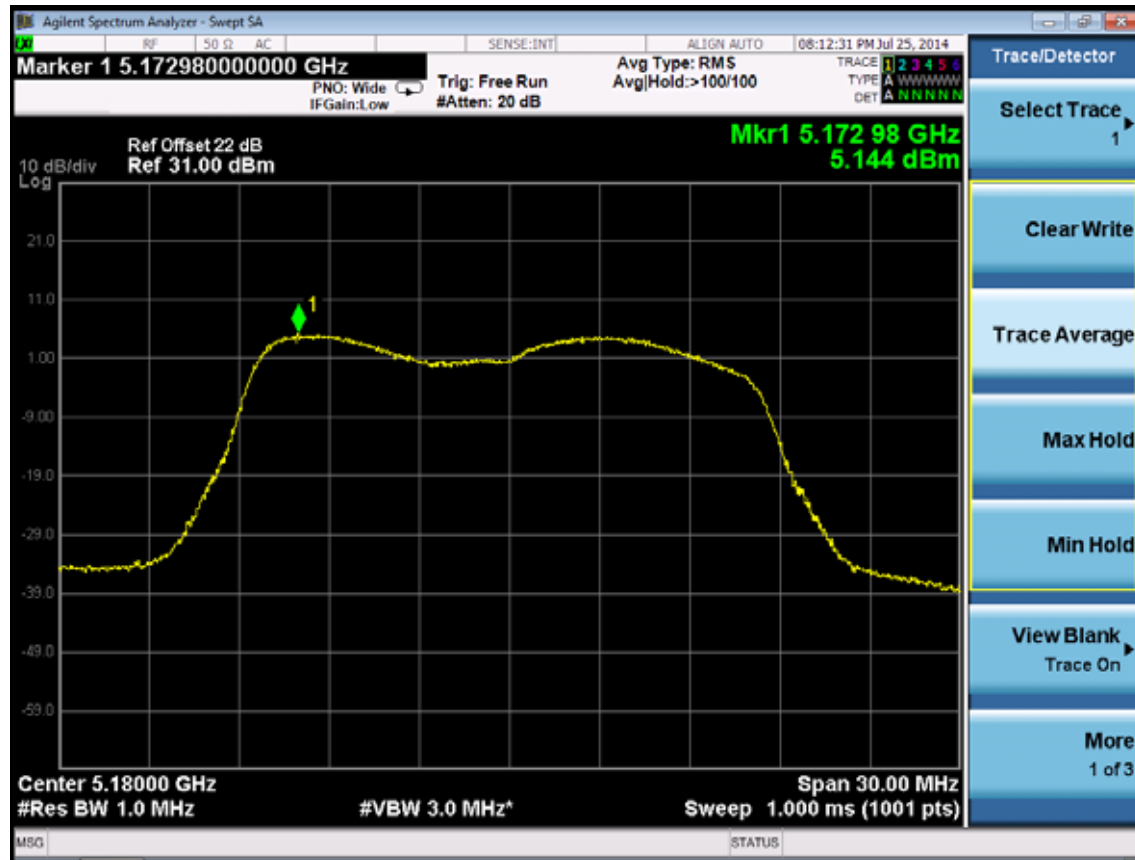
5210MHz



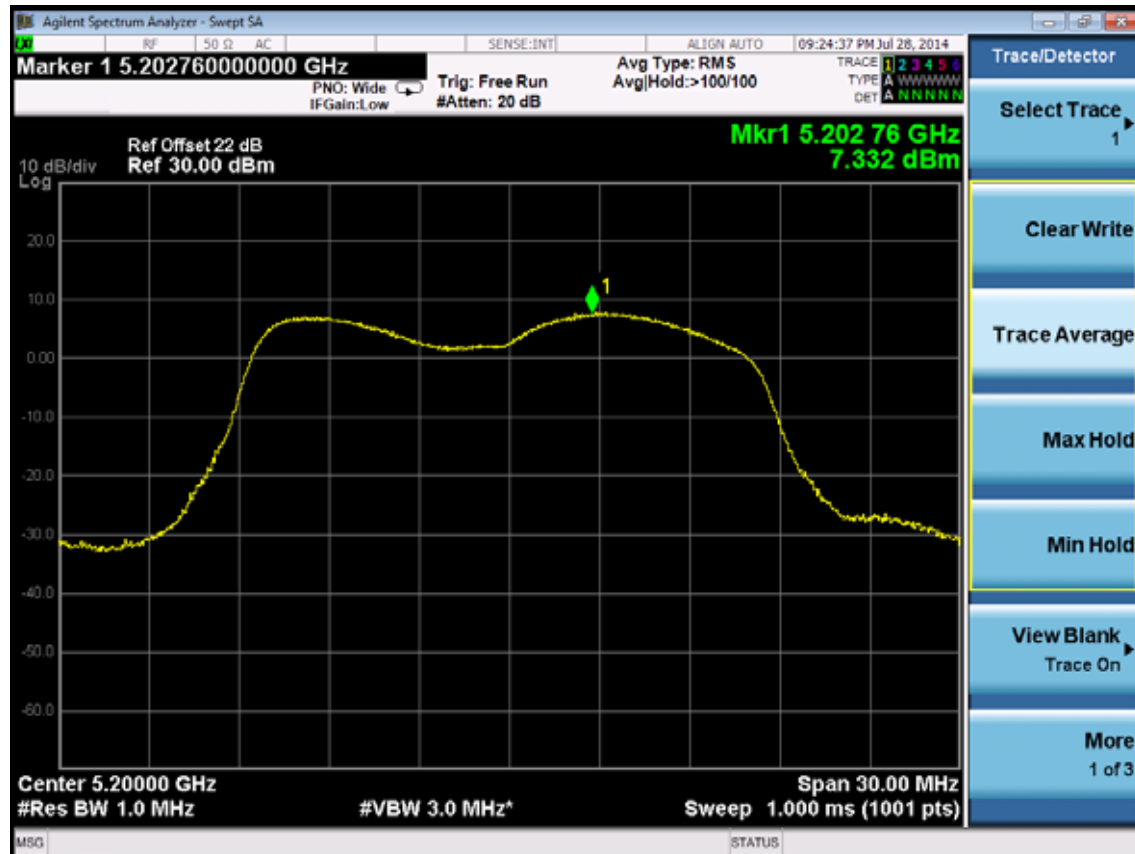
ANT1

11a

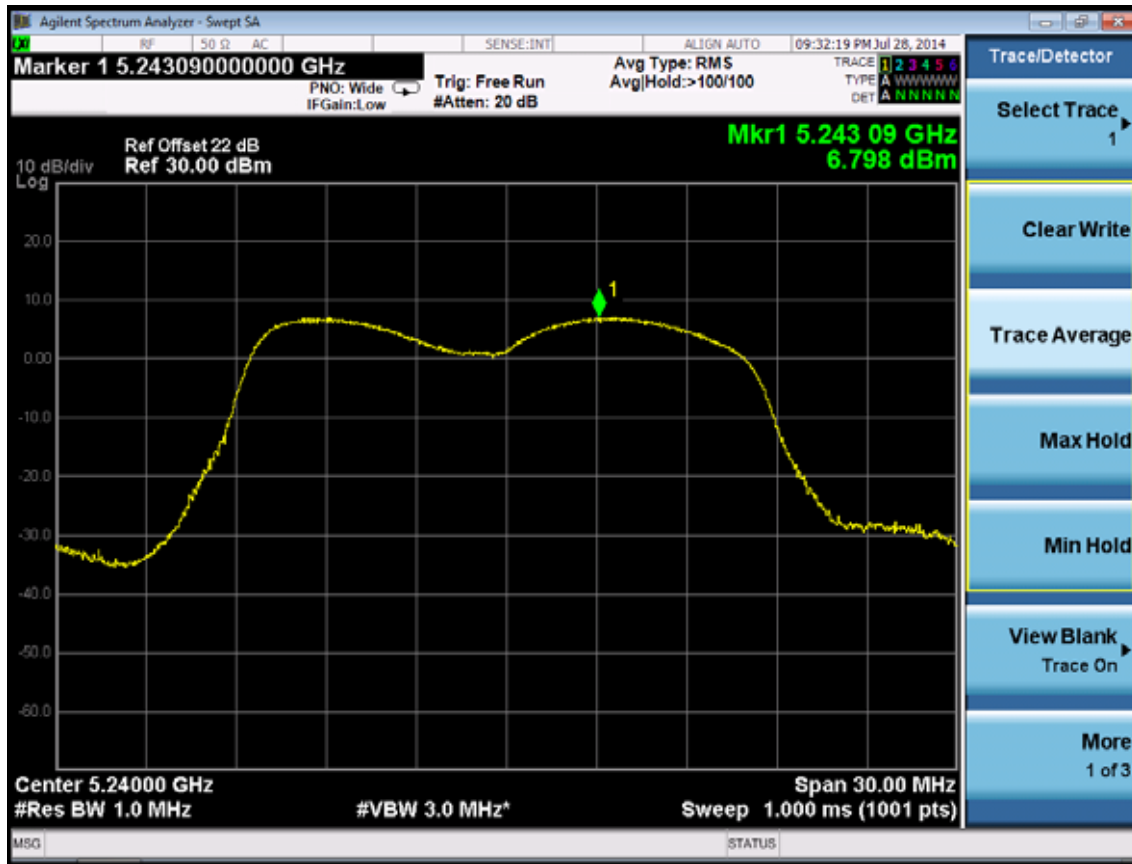
5180MHz



5210MHz

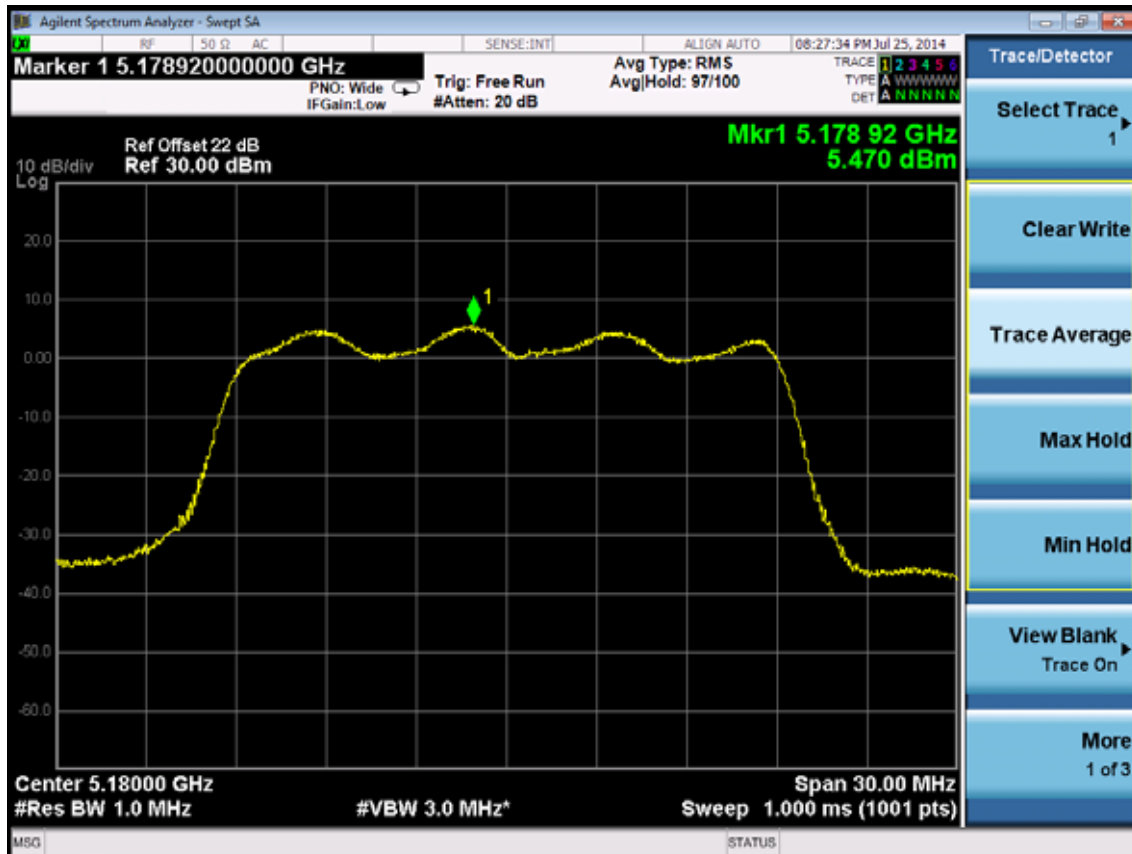


5240MHz

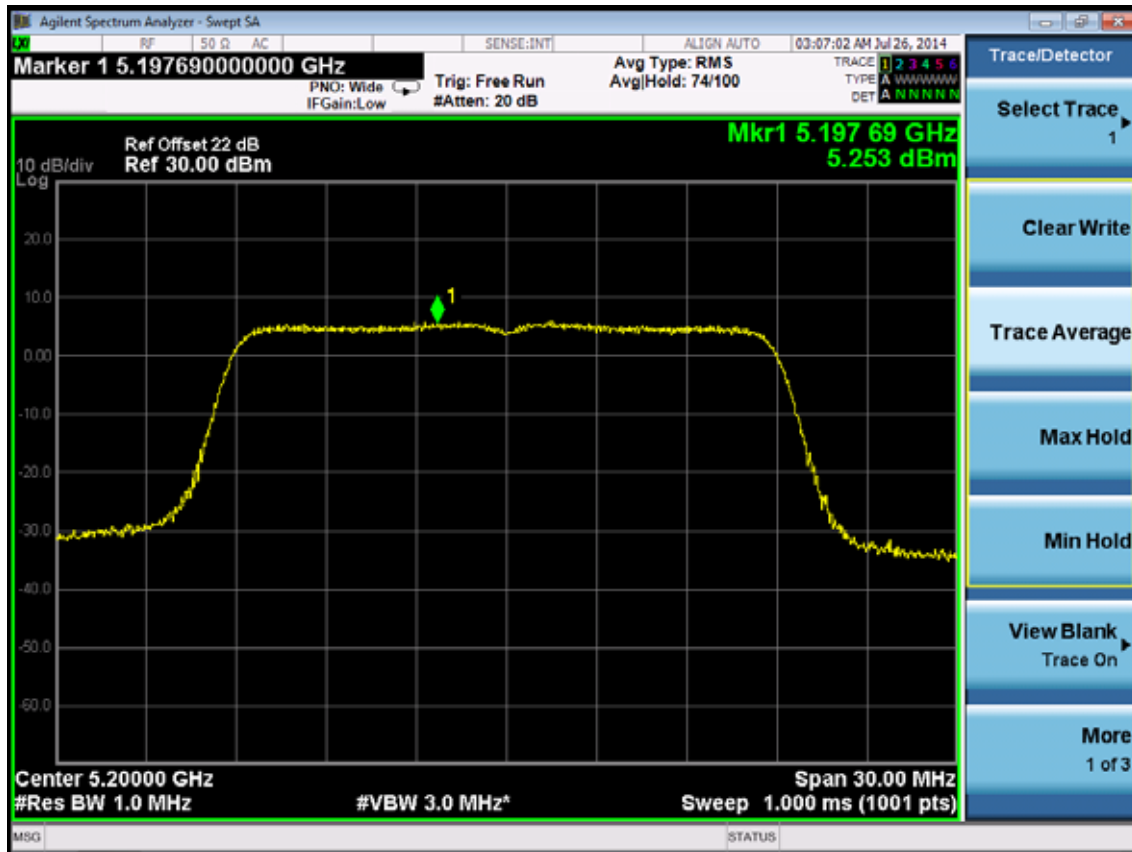


11nHT20

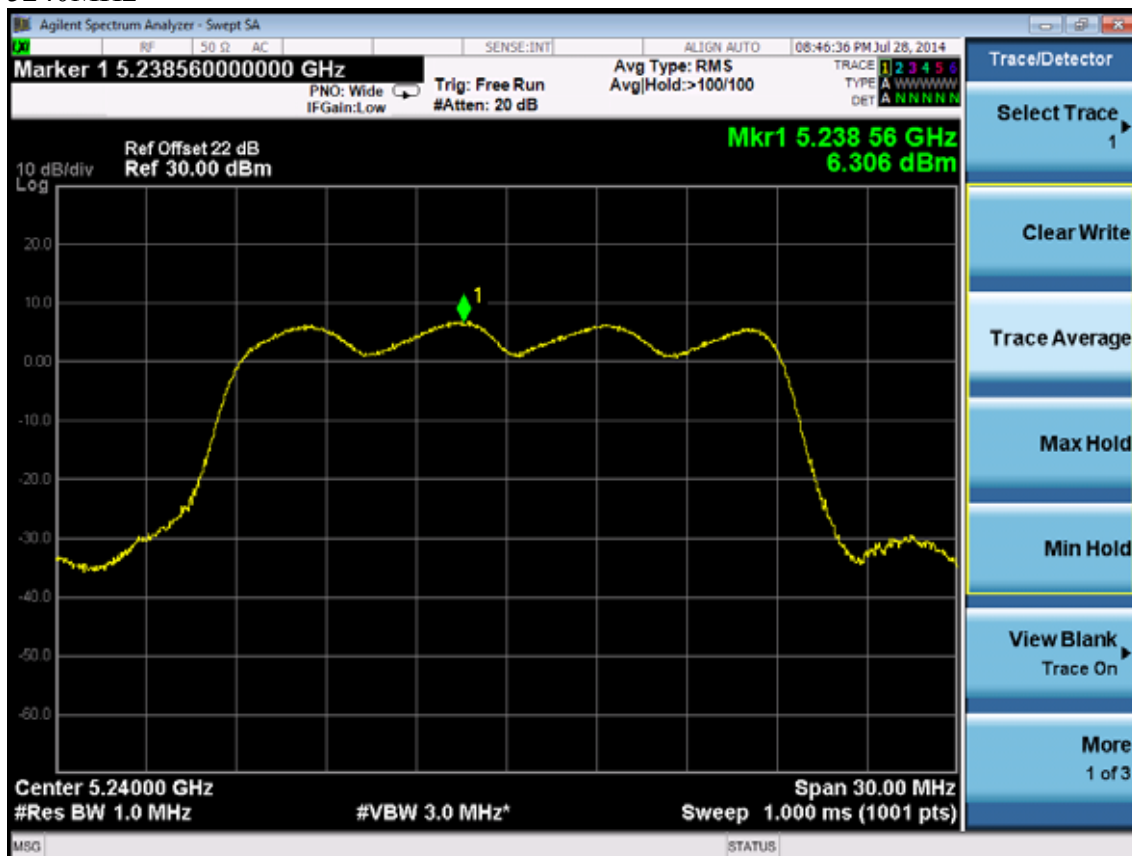
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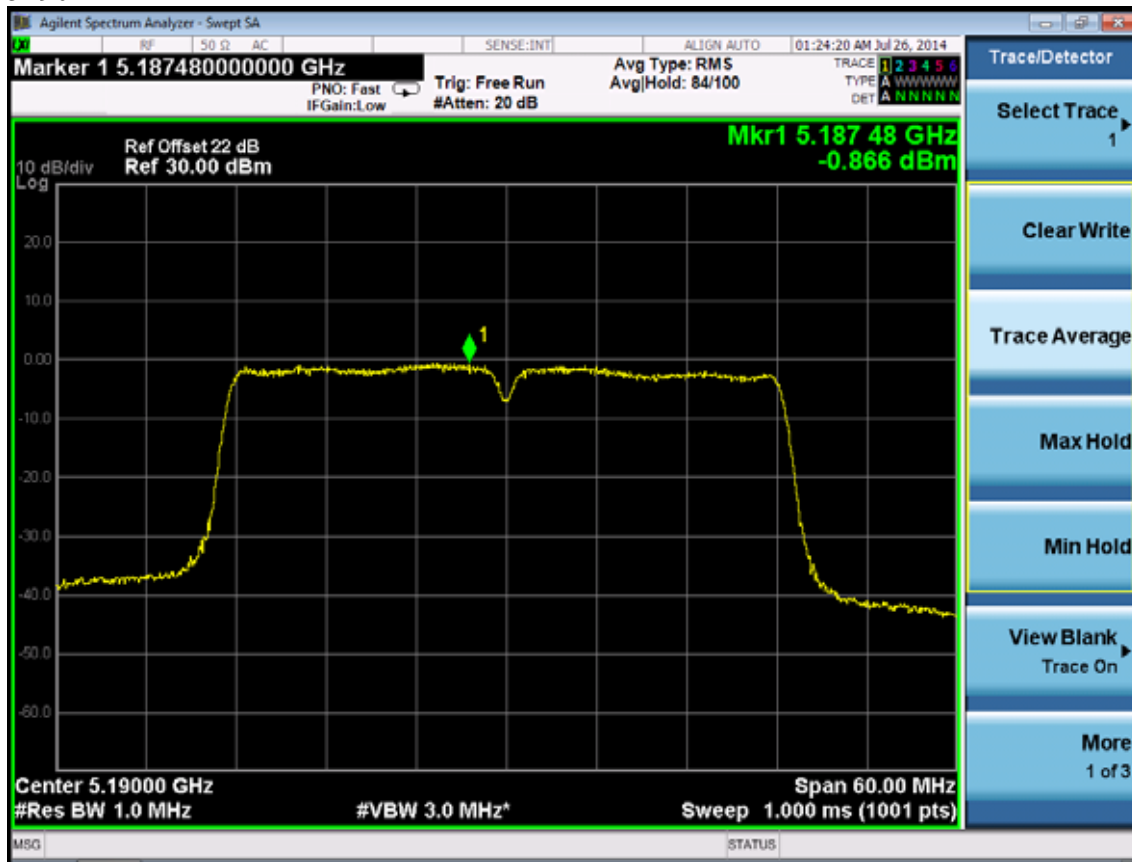
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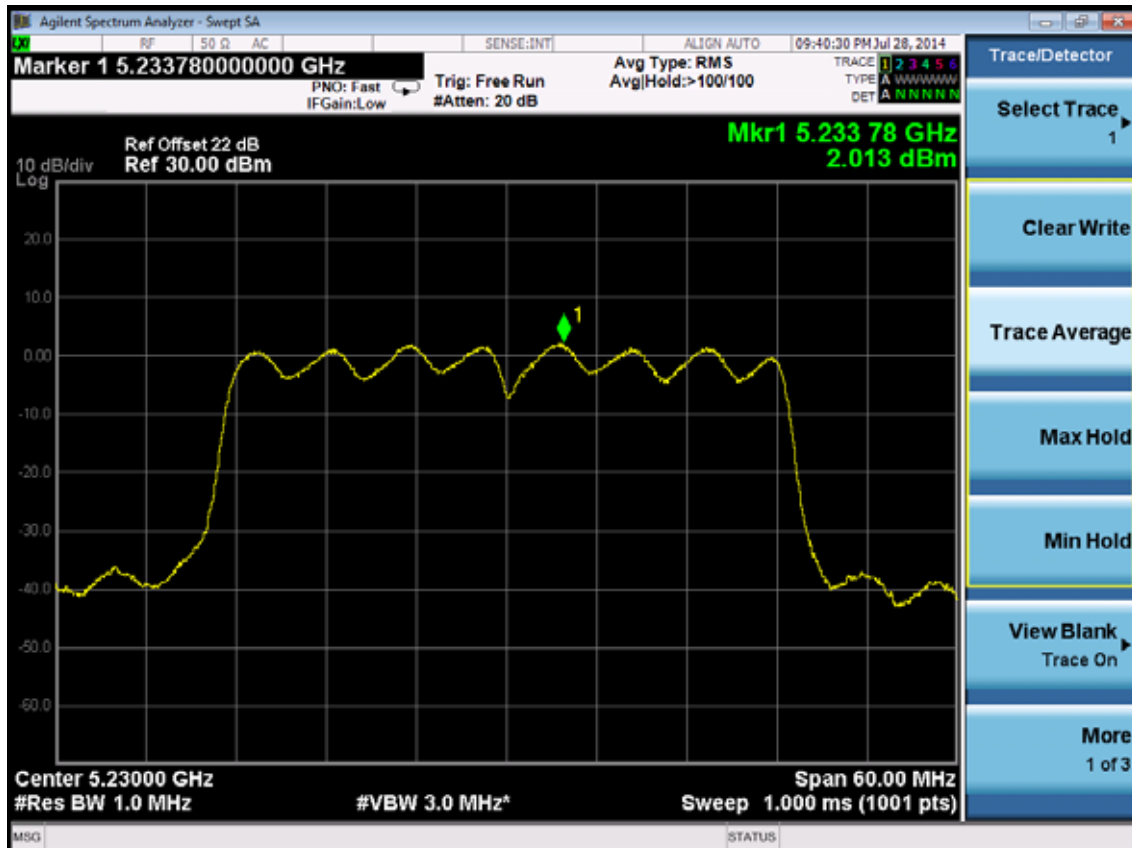
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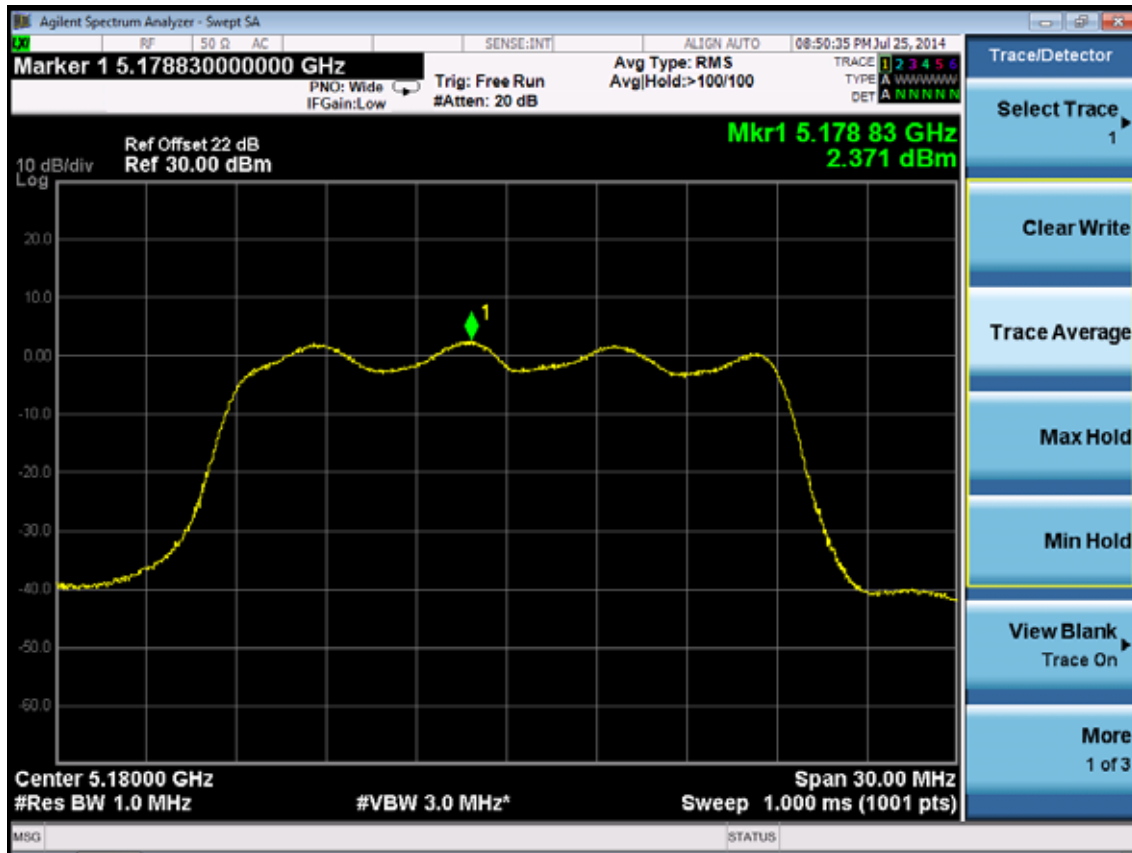
11nHT40
5190MHz



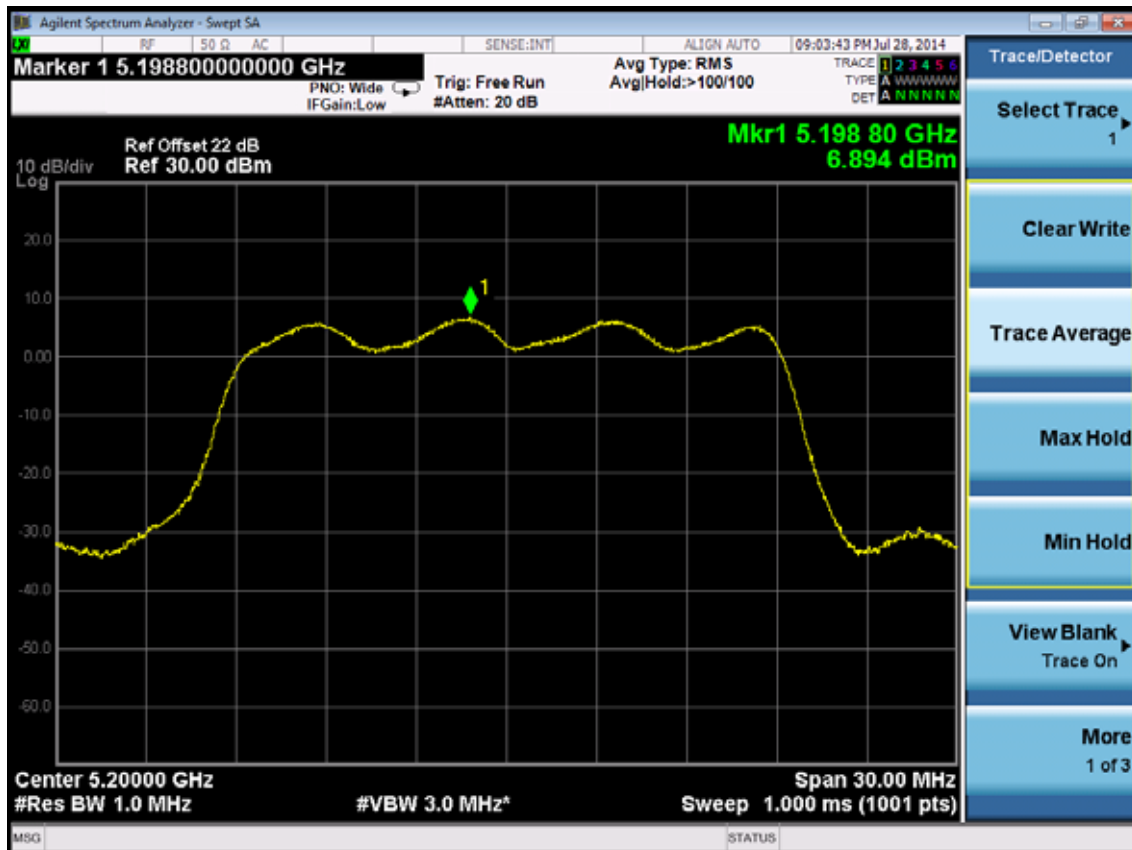
5230MHz



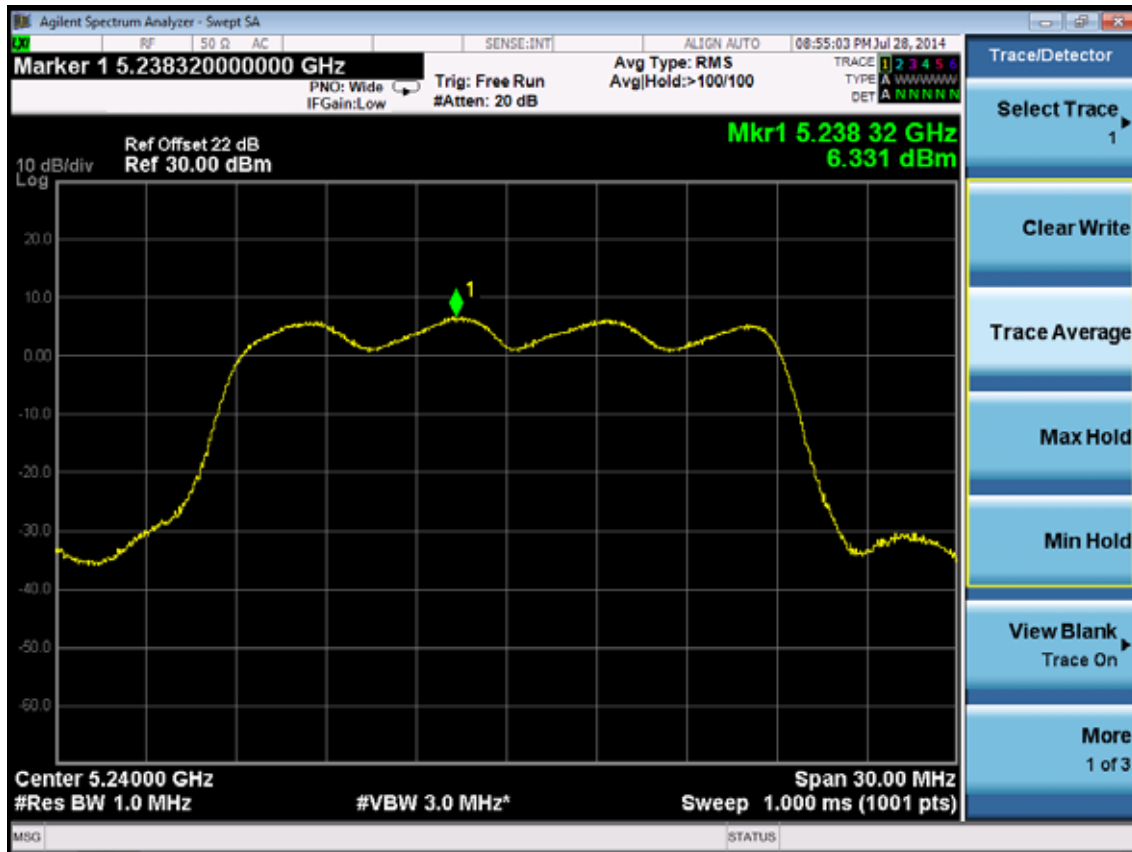
11ac VHT20
5180MHz



5210MHz

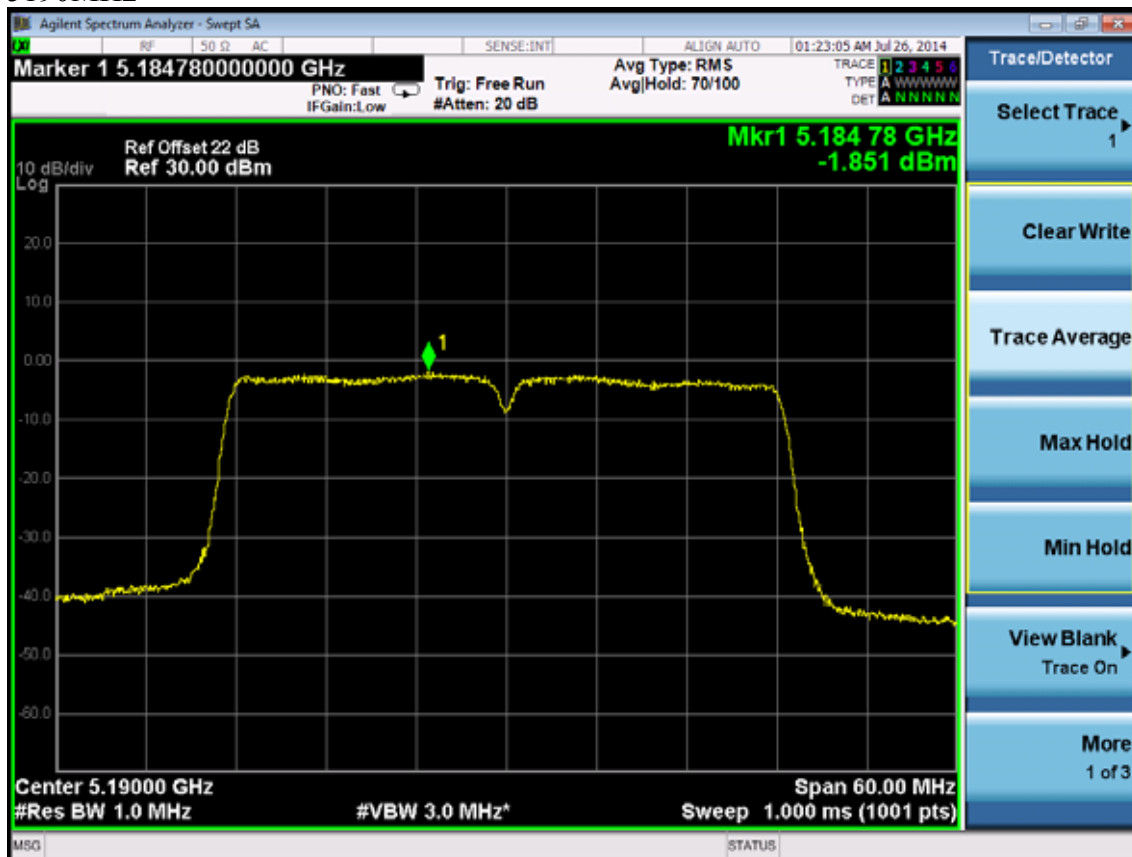


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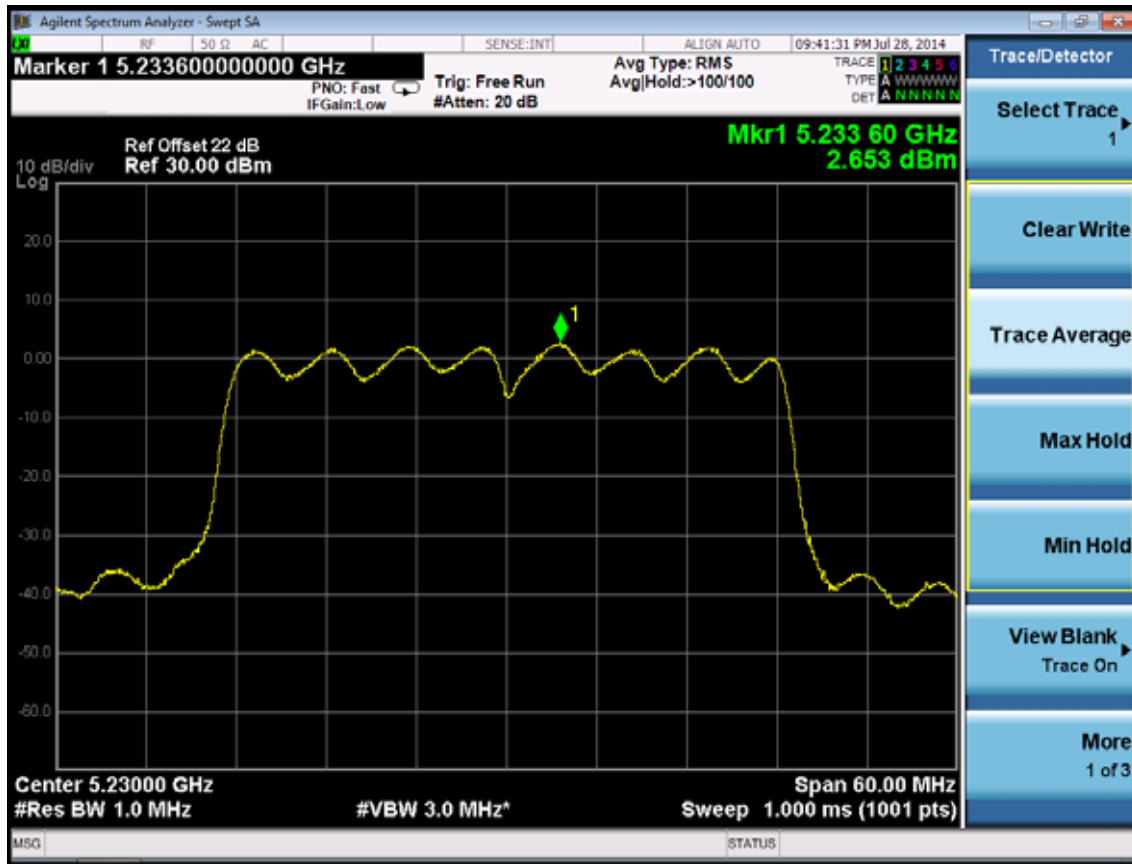


11ac VHT40

5190MHz

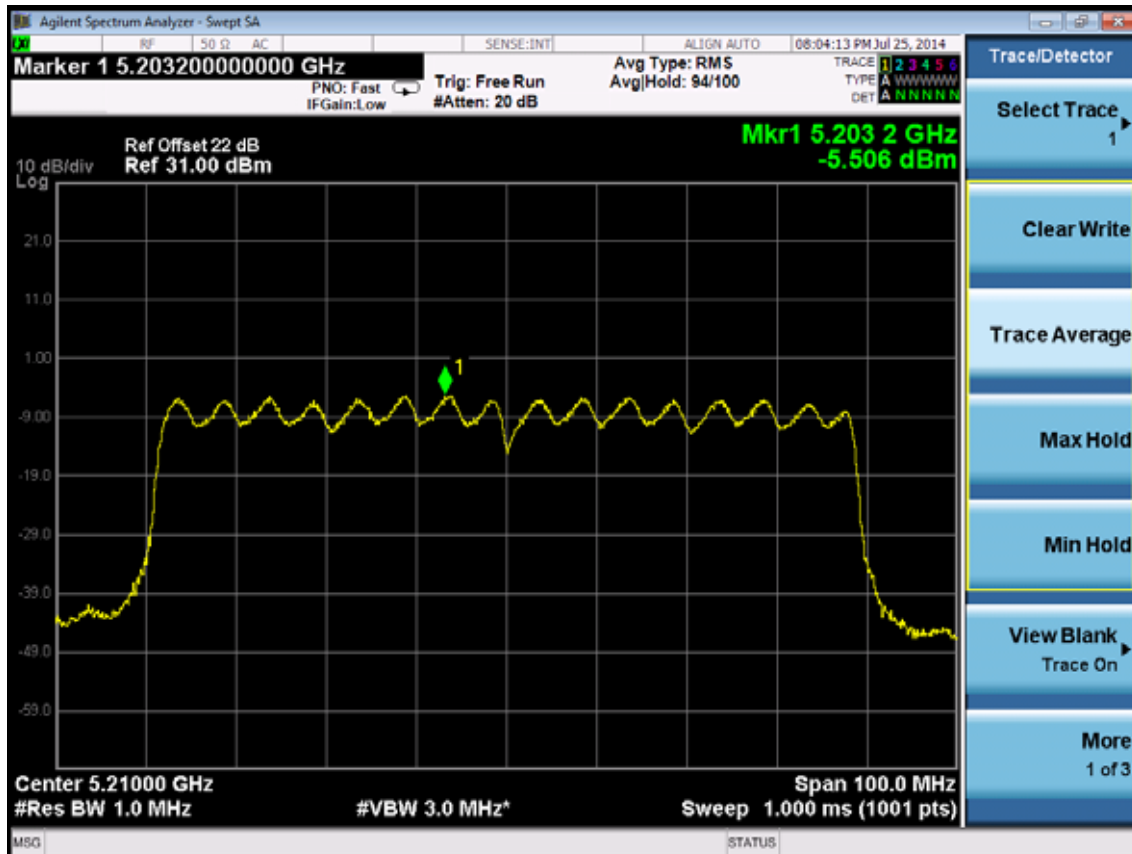


5230MHz



11ac VHT80

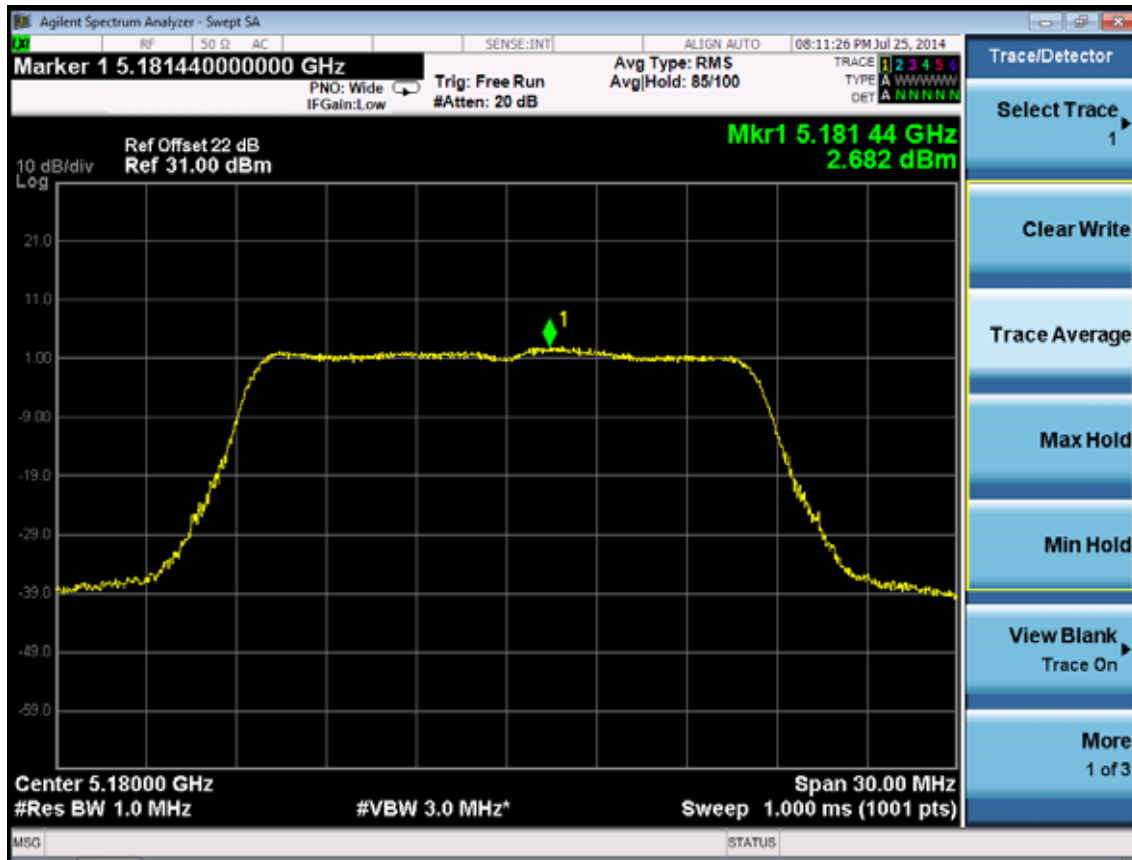
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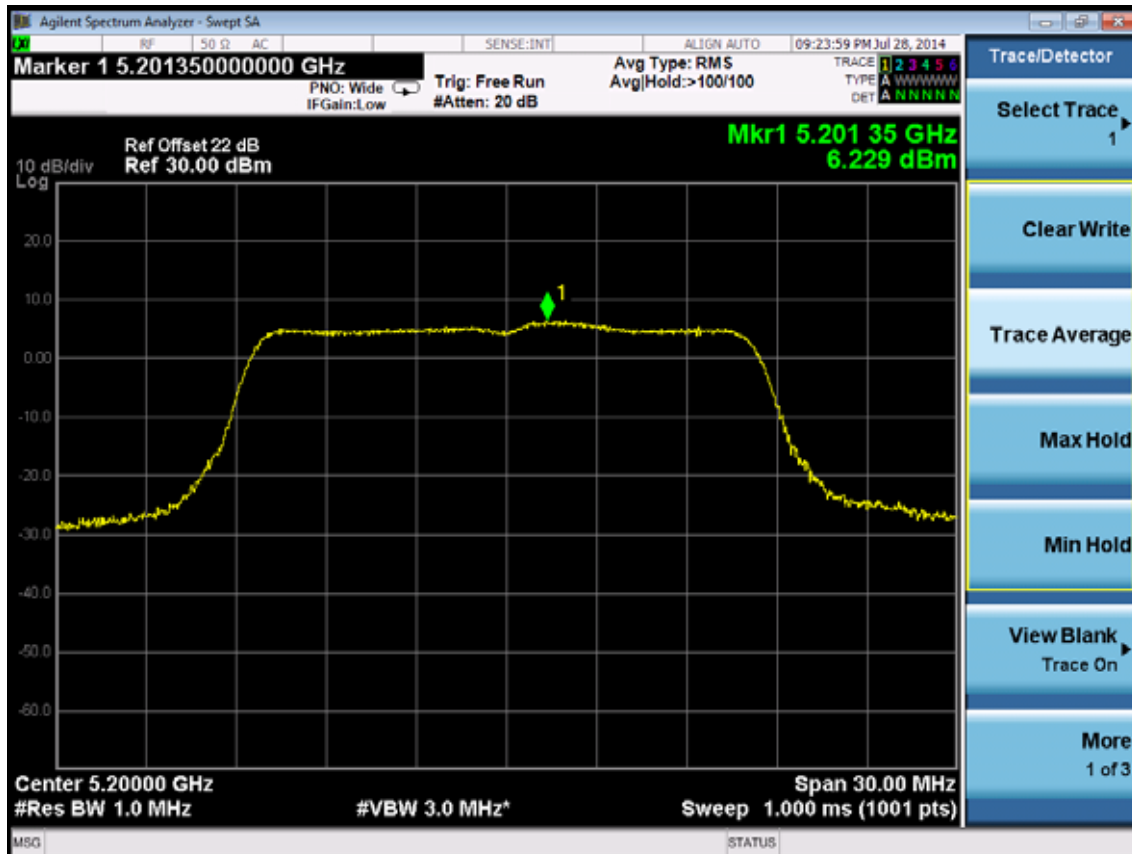
ANT2

11a

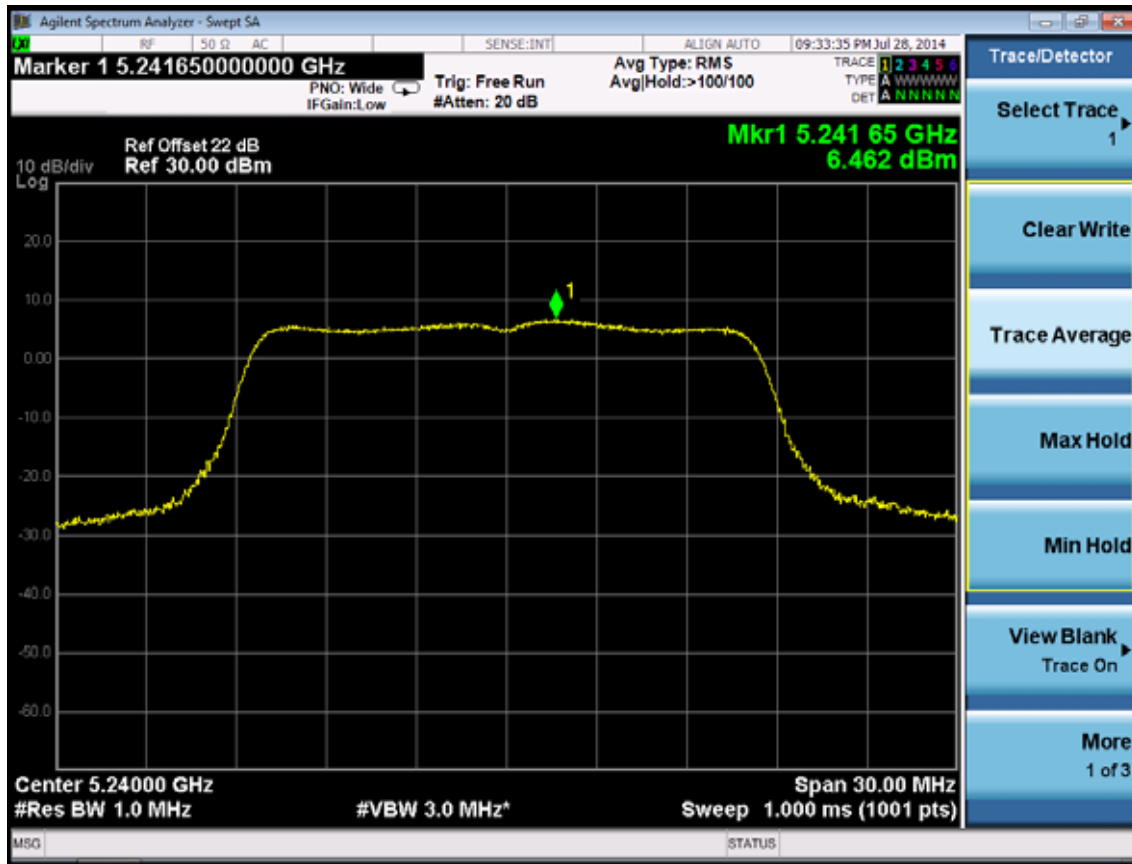
5180MHz



5210MHz

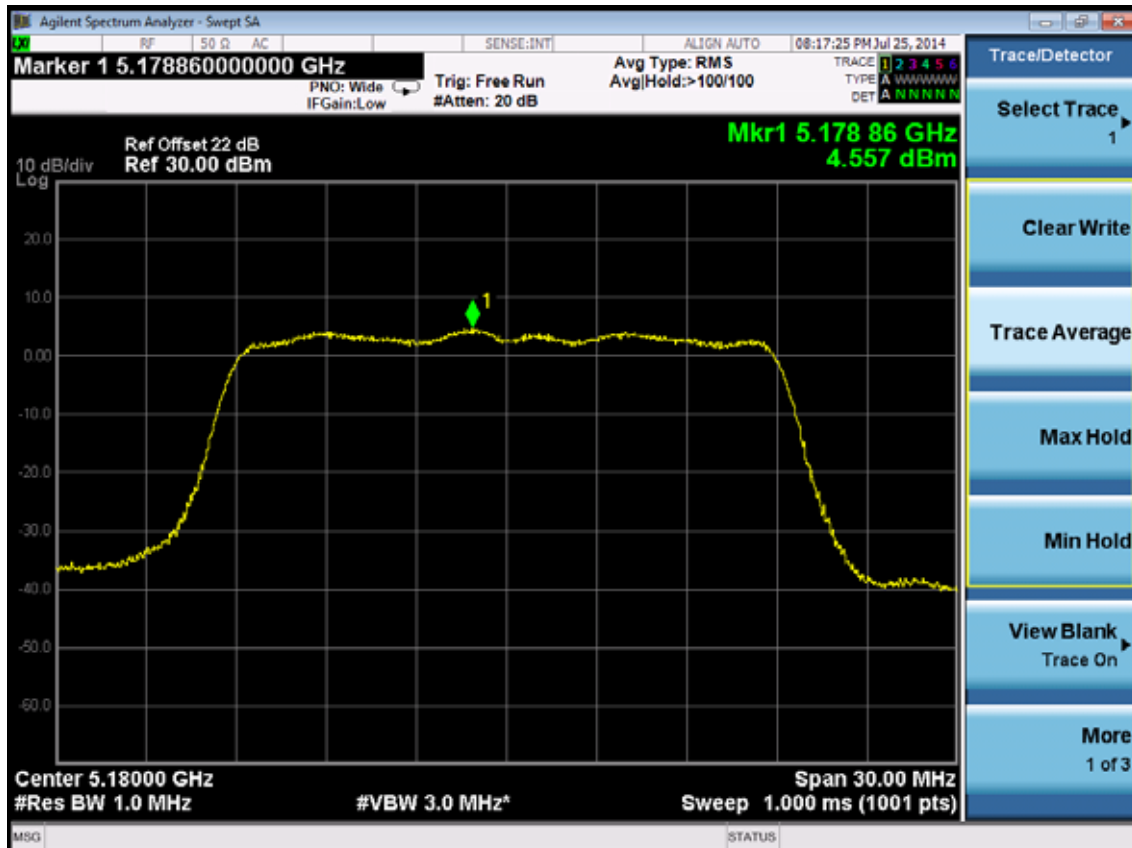


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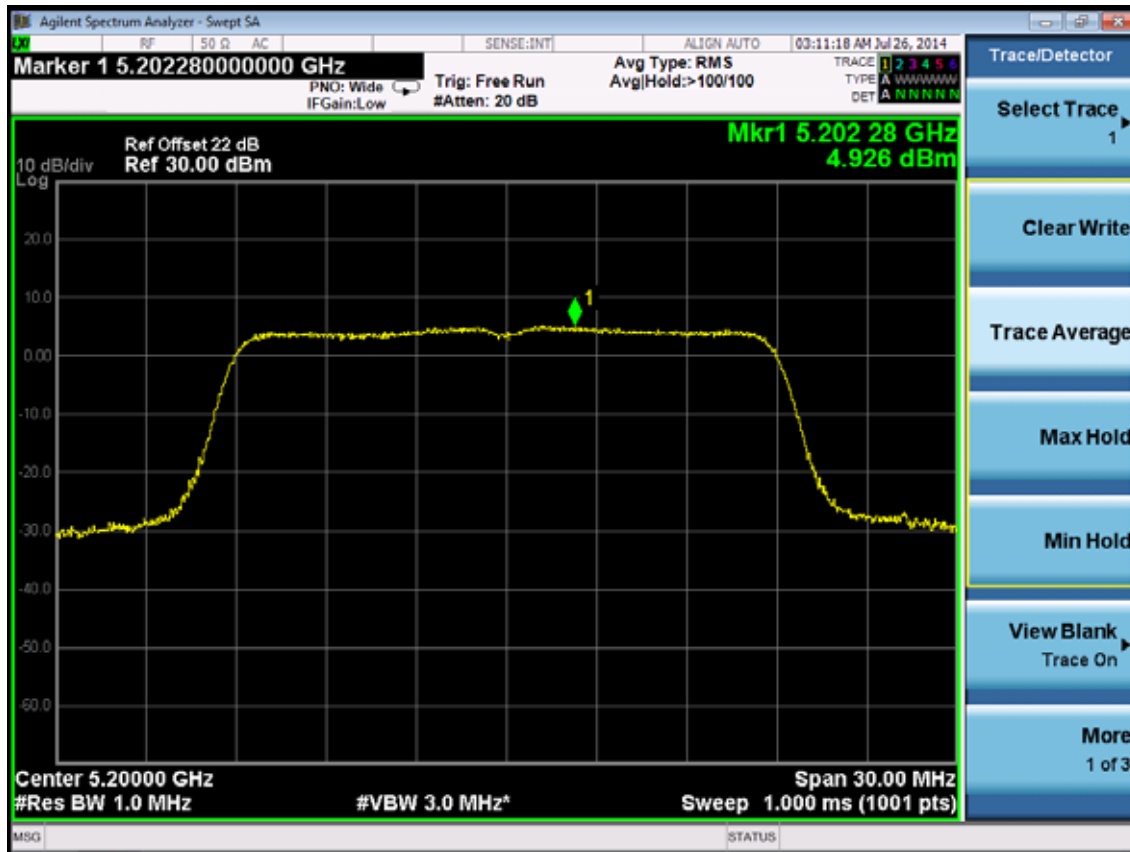


11nHT20

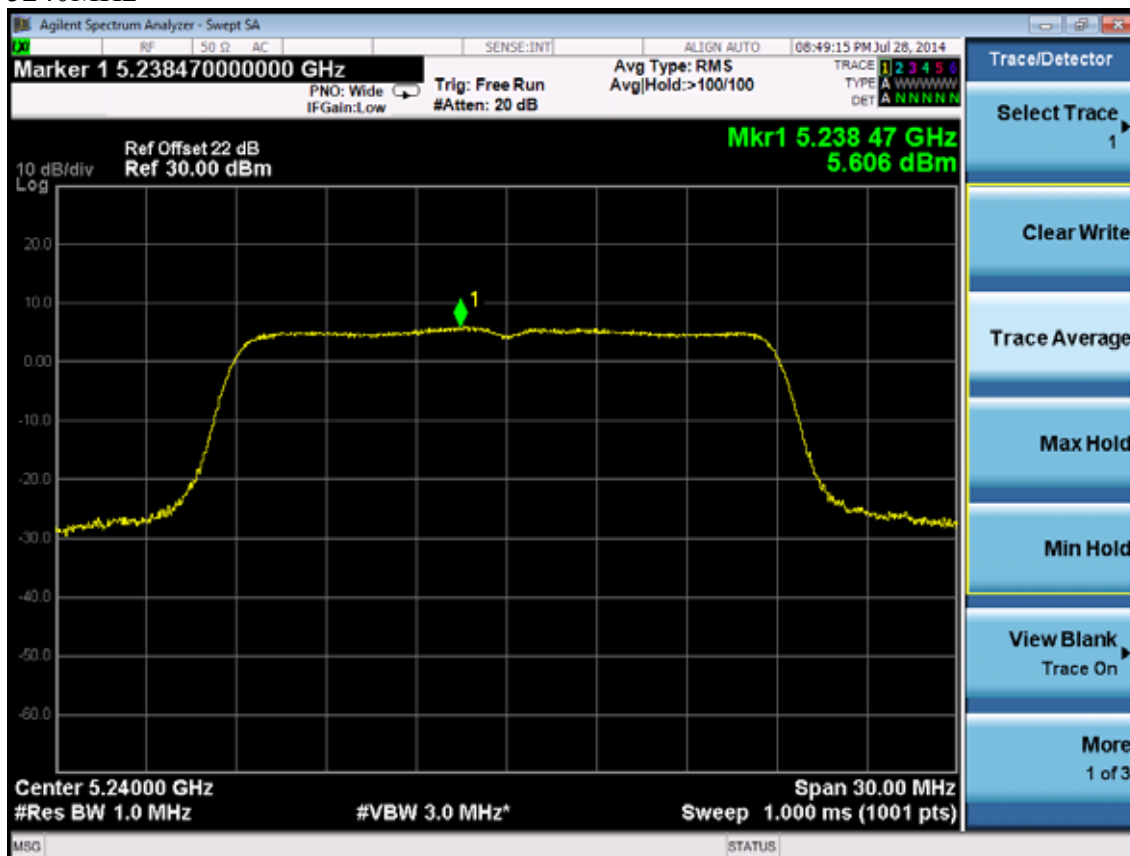
5180MHz



5210MHz

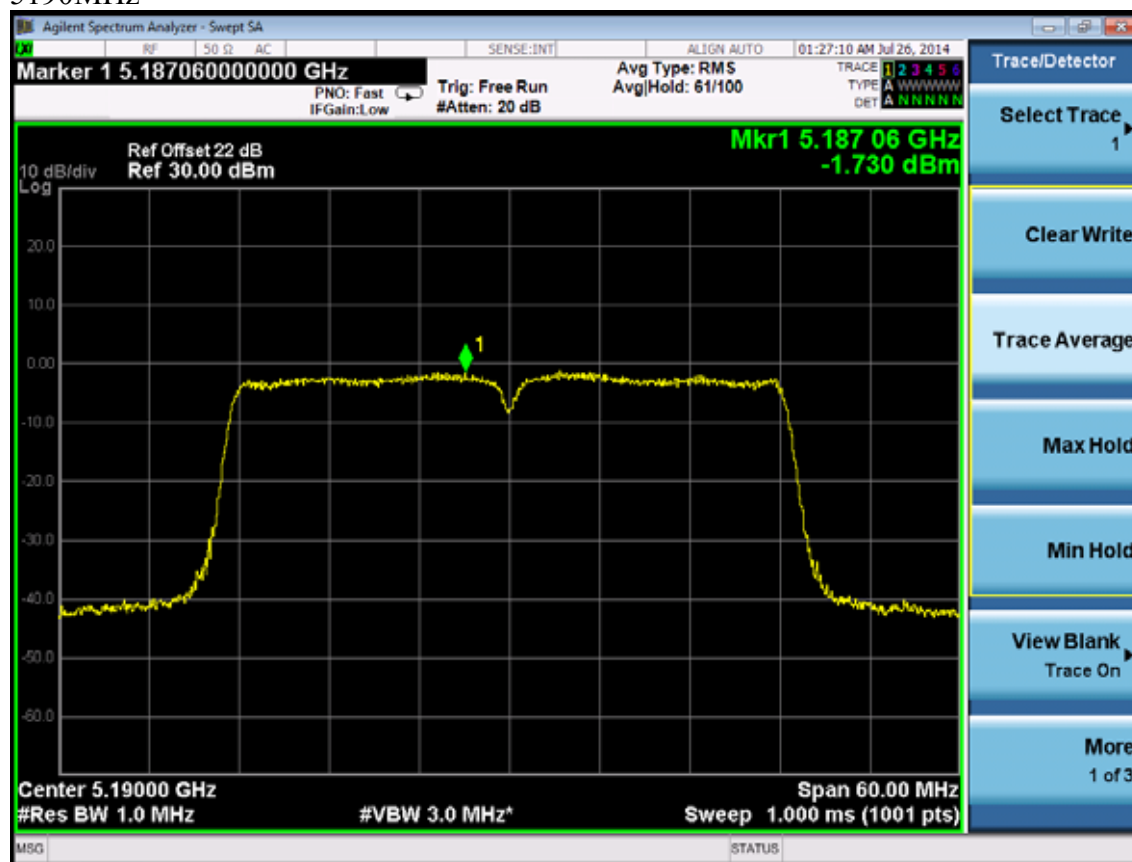


5240MHz

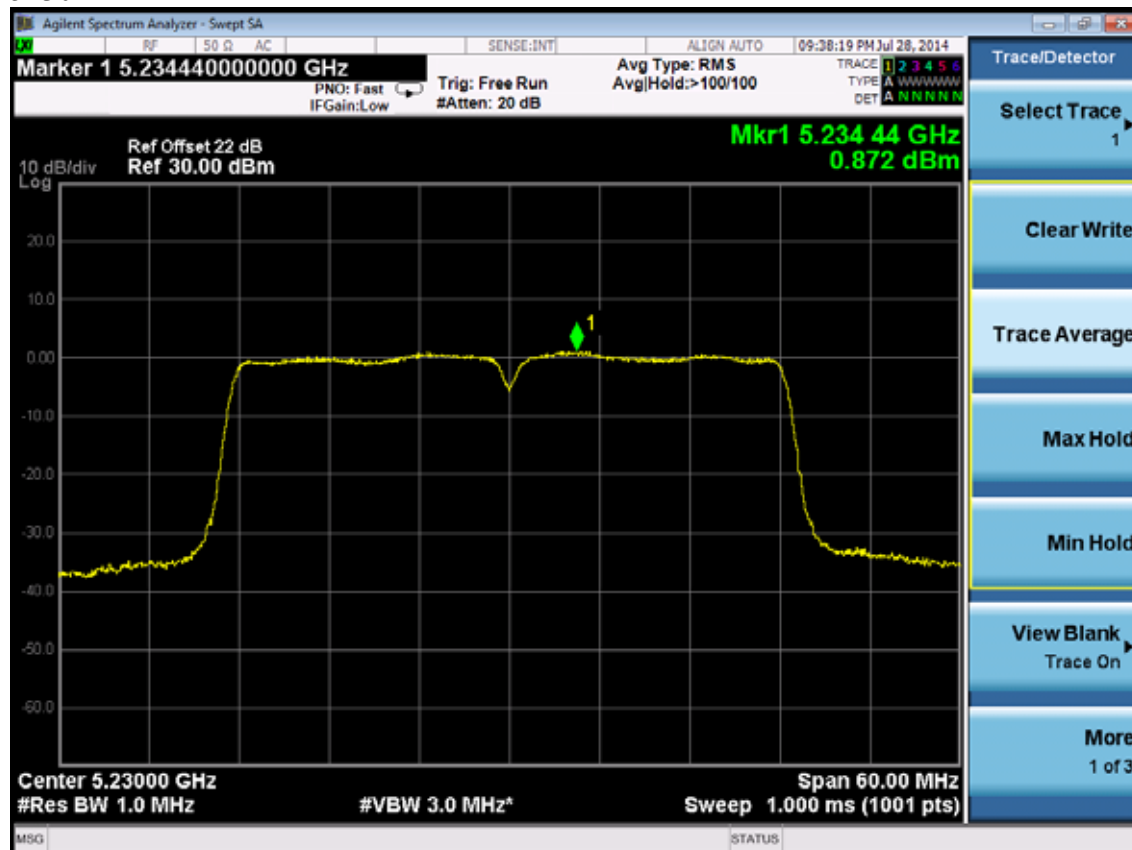


11nHT40

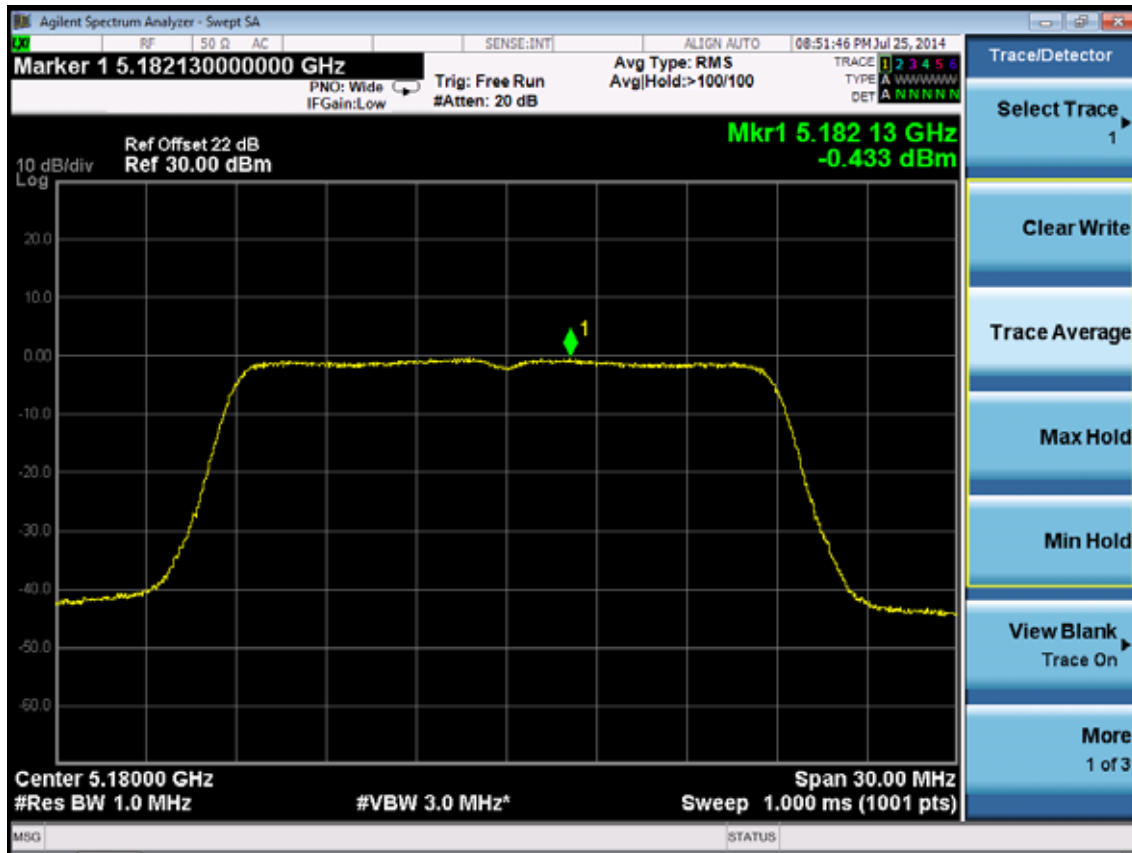
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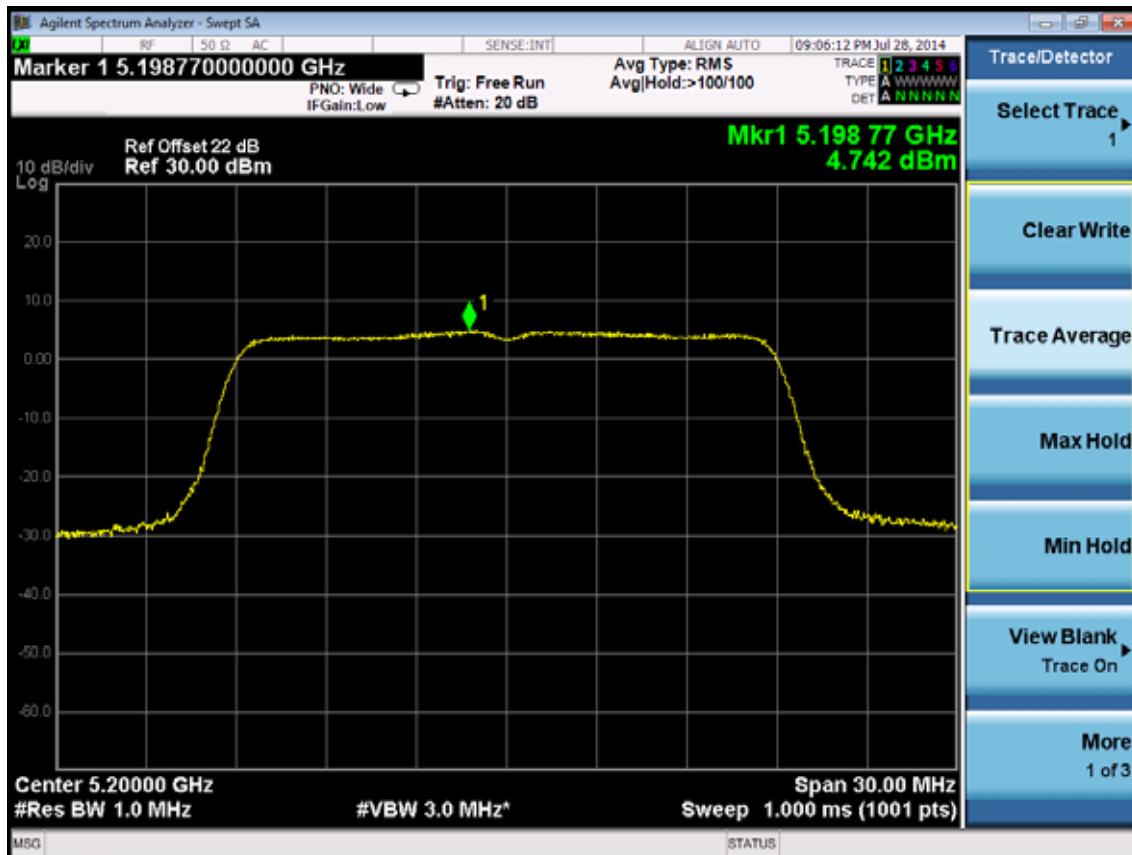
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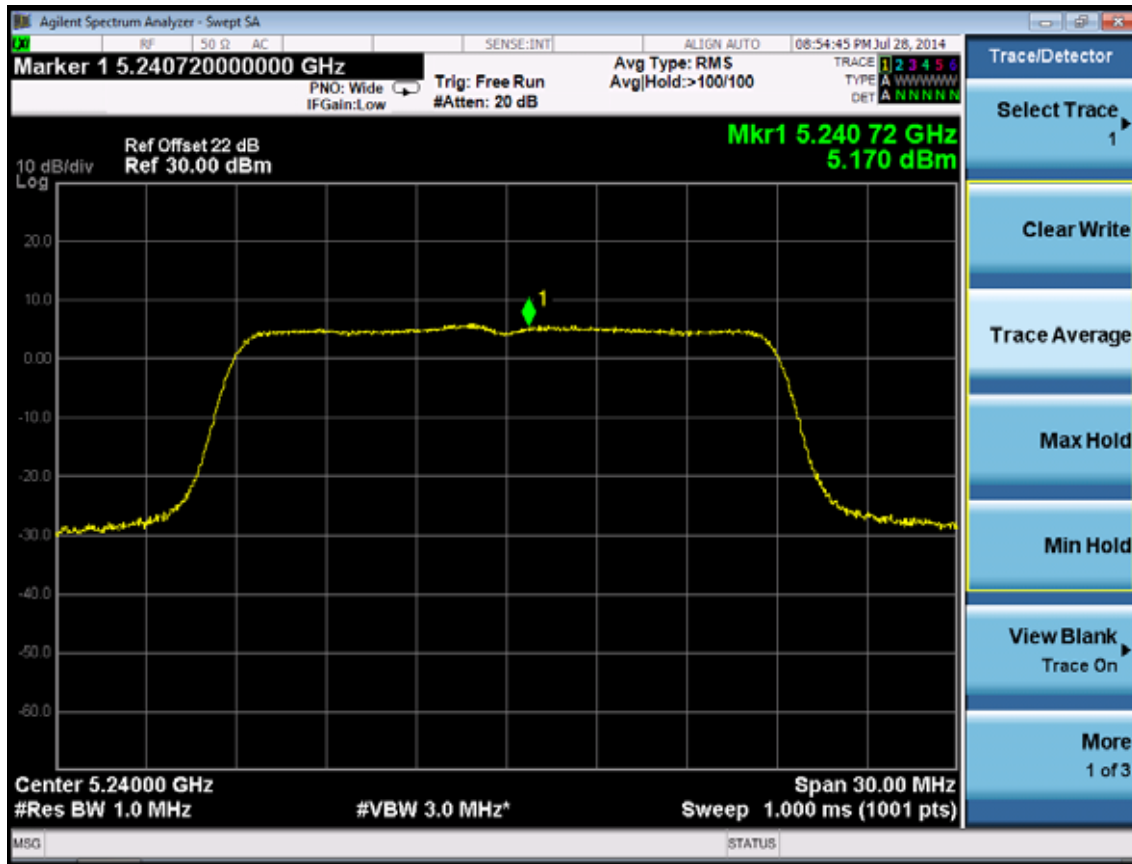
11ac VHT20
5180MHz



5210MHz

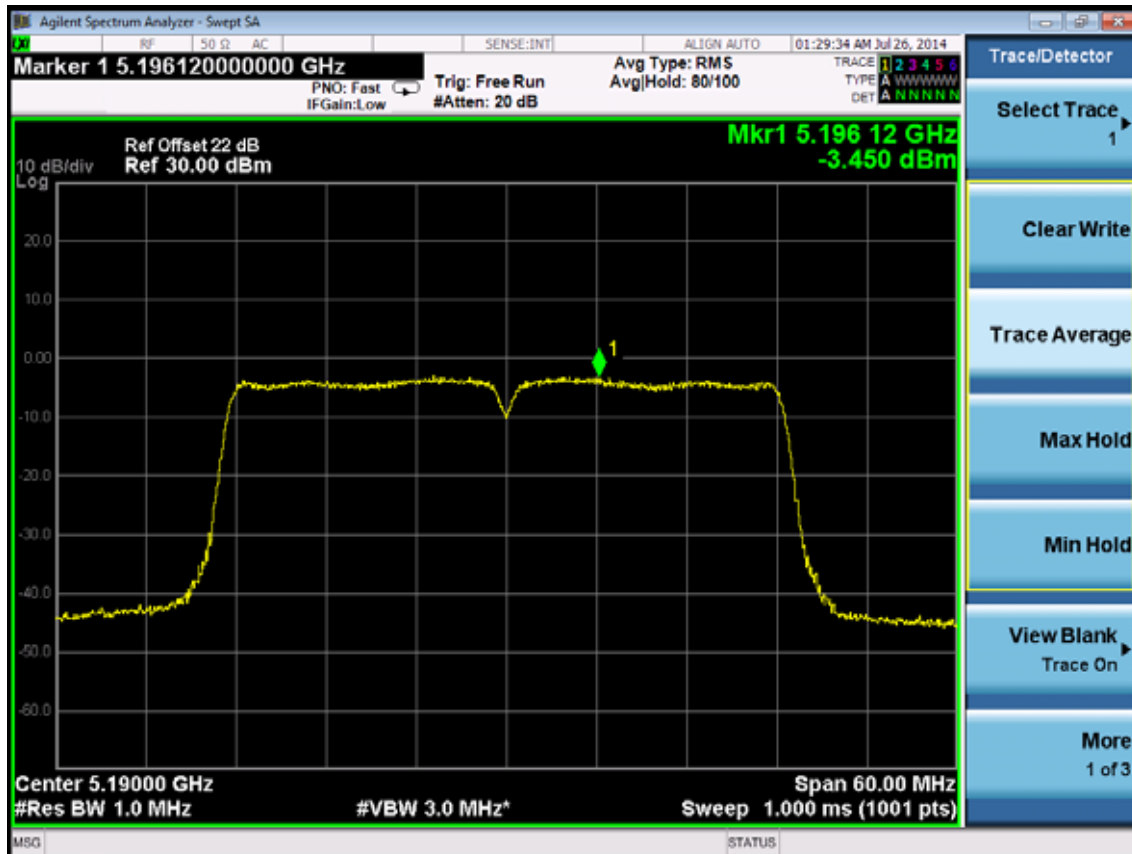


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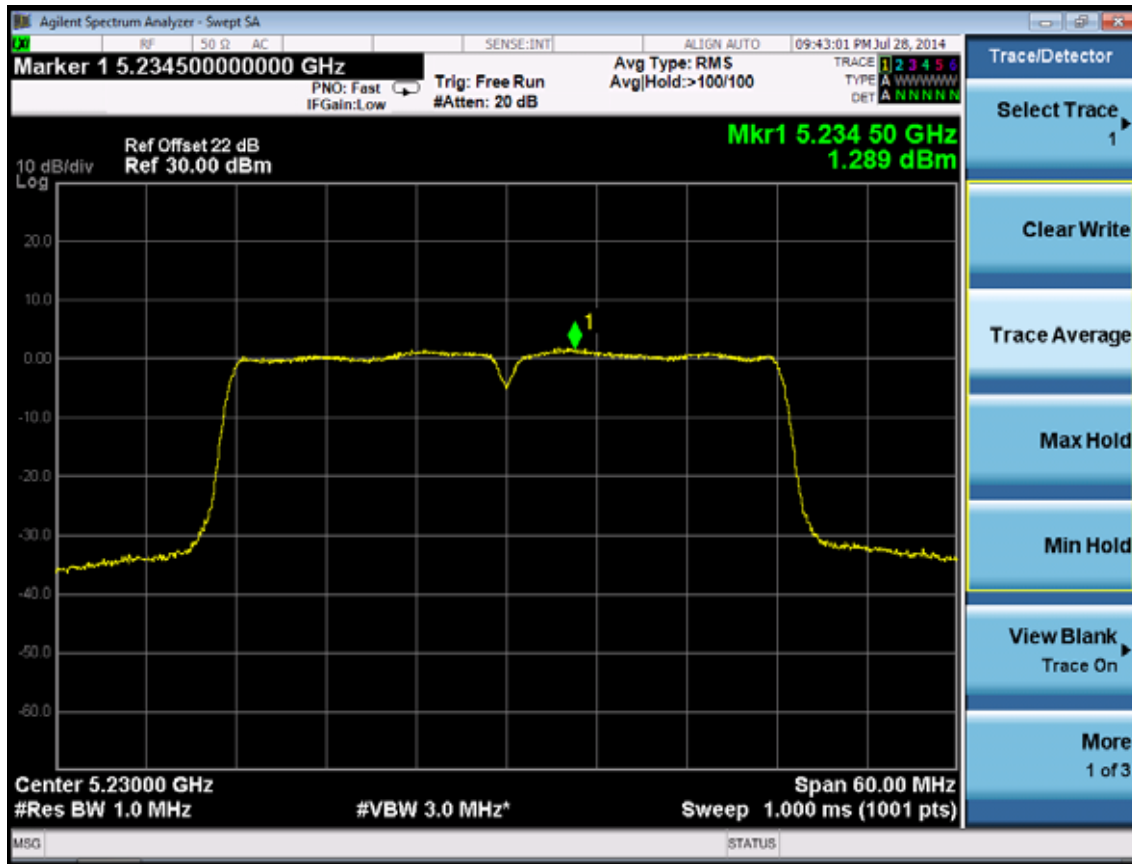


11ac VHT40

5190MHz

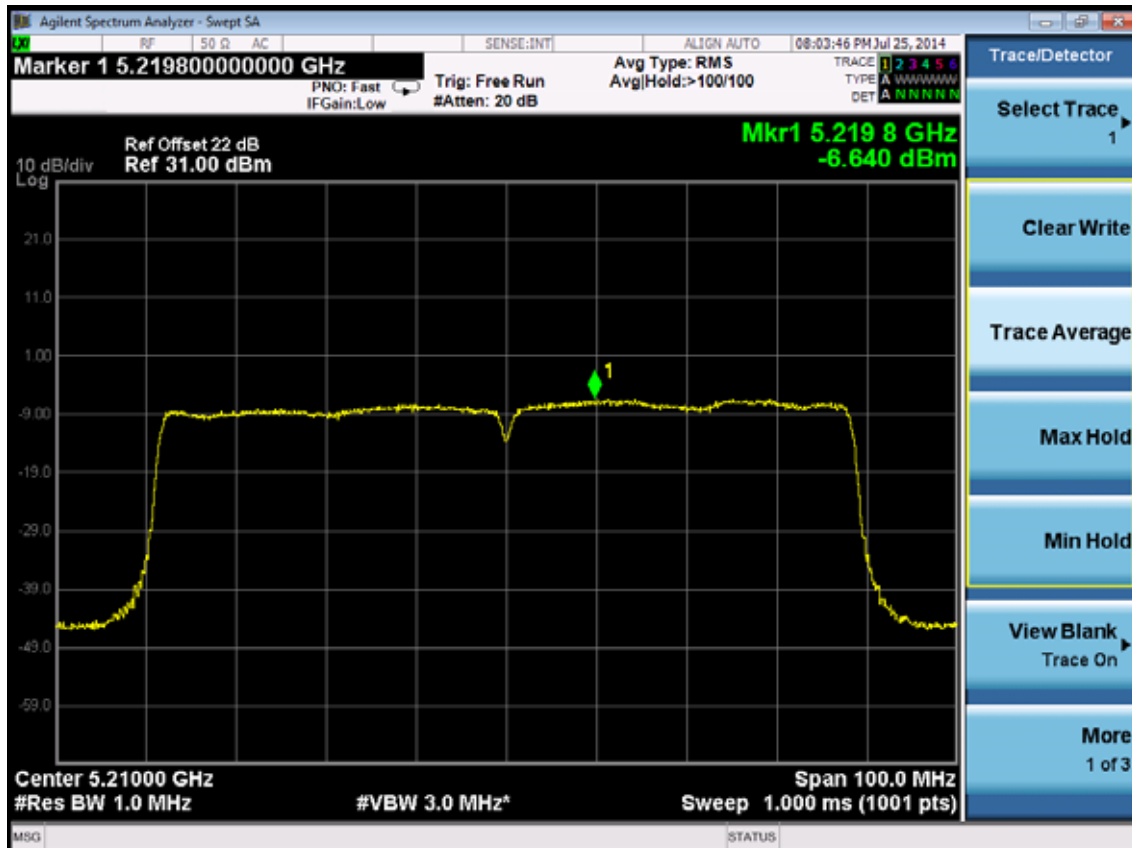


5230MHz



11ac VHT80

5210MHz



9. PEAK EXCURSION MEASUREMENT

9.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	Apr. 28,14	1 Year
2.	Amp	HP	8449B	3008A02495	Apr. 28,14	1 Year
3.	Horn Antenna	ETS	3115	9510-4580	Jun. 06, 14	1 Year
4.	HF Cable	Hubersuhne	SUCOFLEX104	274094/4	Apr. 28,14	1 Year
5.	RF Cable	Hubersuhner	SUCOFLEX102	28610/2	Apr. 28,14	1 Year

9.2. Limit

The ratio of the peak excursion of modulation envelope (measured using a peak hold function) to the maximum conducted power (measured as specified above) shall not exceed 13 dB across any 1MHz bandwidth whichever is less.

9.3. Test Procedure

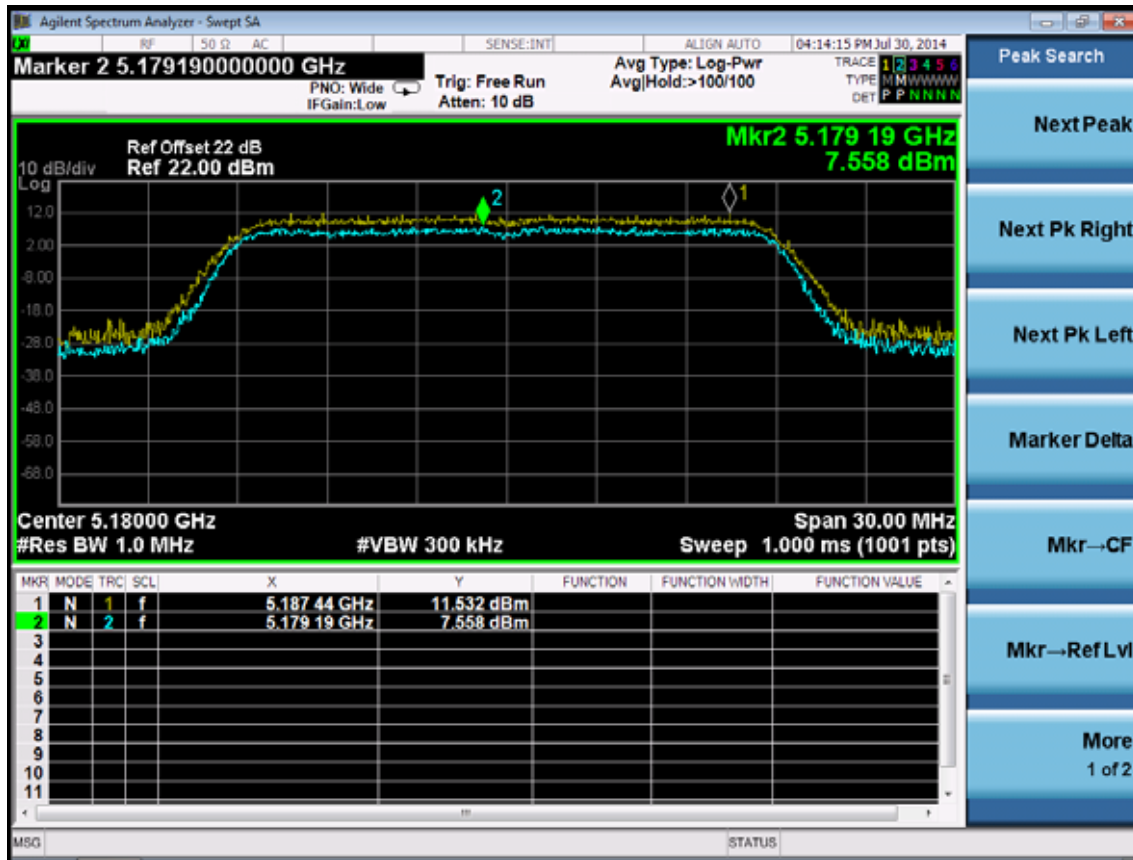
1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. Set the spectrum analyzer span to view the entire emissions bandwidth. The largest difference between the following two traces (Peak Trace and Average Trace) must be ≤ 13 dB for all frequencies across the emissions bandwidth. Submit a plot.
3. Peak Trace: Set RBW = 1 MHz, VBW ≥ 3 MHz with peak detector and max-hold settings.
4. Average Trace: Method #3—video averaging with max hold--and sum power across the band. Set span to encompass the entire emissions bandwidth (EBW) of the signal. Set sweep trigger to “free run”. Set RBW = 1 MHz. Set VBW $\geq 1/T$ (Draft n VBW = 300kHz $\geq 1/4 \mu s$). Use sample detector mode if bin width (i.e., span/number of points in spectrum) < 0.5 RBW. Otherwise use peak detector mode. Set max hold. Allow max hold to run for 60 seconds.

9.4. Test Results

EUT: AC1750 Wireless Dual Band DOCSIS 3.0 Cable Modem Router		
M/N: Archer CR700		
Test date: 2014-07-30	Pressure: 101.3±1.0kpa	Humidity: 51.5±3.0%
Tested by: Kevin_Hu	Test site: RF Site	Temperature: 22.4±0.6℃

Cable loss: 1 dB		Attenuator loss: 20 dB			
Test Mode	Frequency (MHz)	Power excursion (dB)			Limit (dB)
		ANT0	ANT1	ANT2	
11a	5180	3.974	3.051	3.612	13
	5200	3.602	3.103	3.681	13
	5240	3.676	3.321	3.612	13
11nHT20	5180	3.169	3.905	4.191	13
	5200	3.862	2.159	4.573	13
	5240	4.078	3.375	4.163	13
11nHT40	5190	3.445	3.179	3.404	13
	5230	3.547	3.484	3.145	13
11ac VTH20	5180	3.944	2.004	4.853	13
	5200	3.125	3.038	4.25	13
	5240	3.449	3.221	4.08	13
11ac VTH40	5190	3.559	3.142	4.511	13
	5230	3.476	2.332	3.567	13
11ac VTH80	5210	2.985	3.02	4.169	13
Conclusion : PASS					

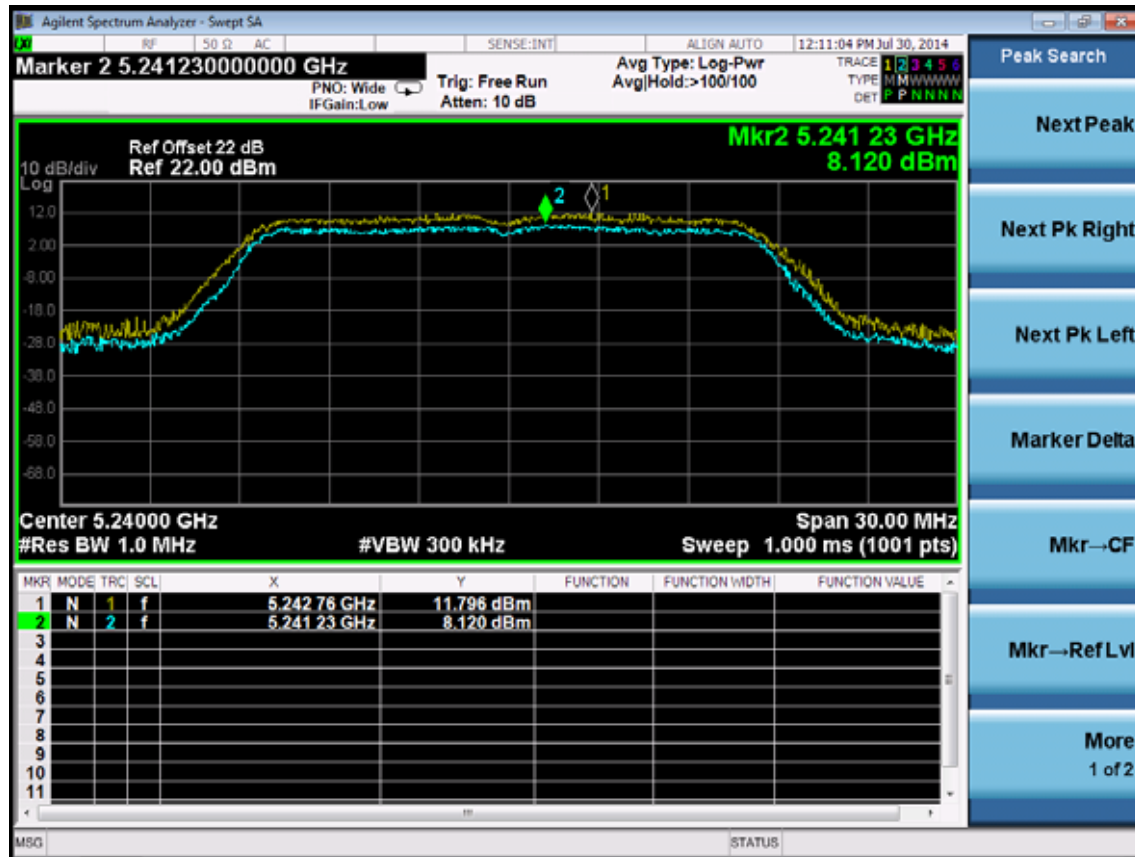
ANT0
11a
5180MHz



5200MHz

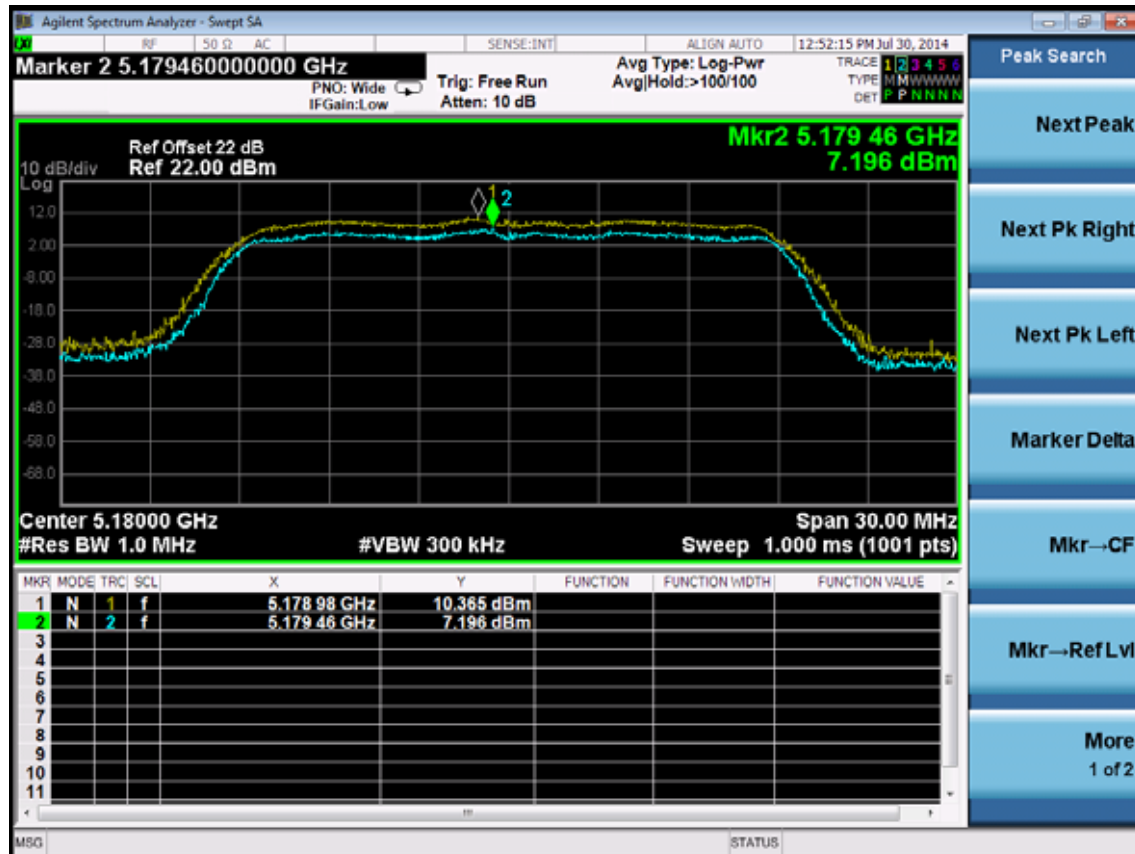


5240MHz

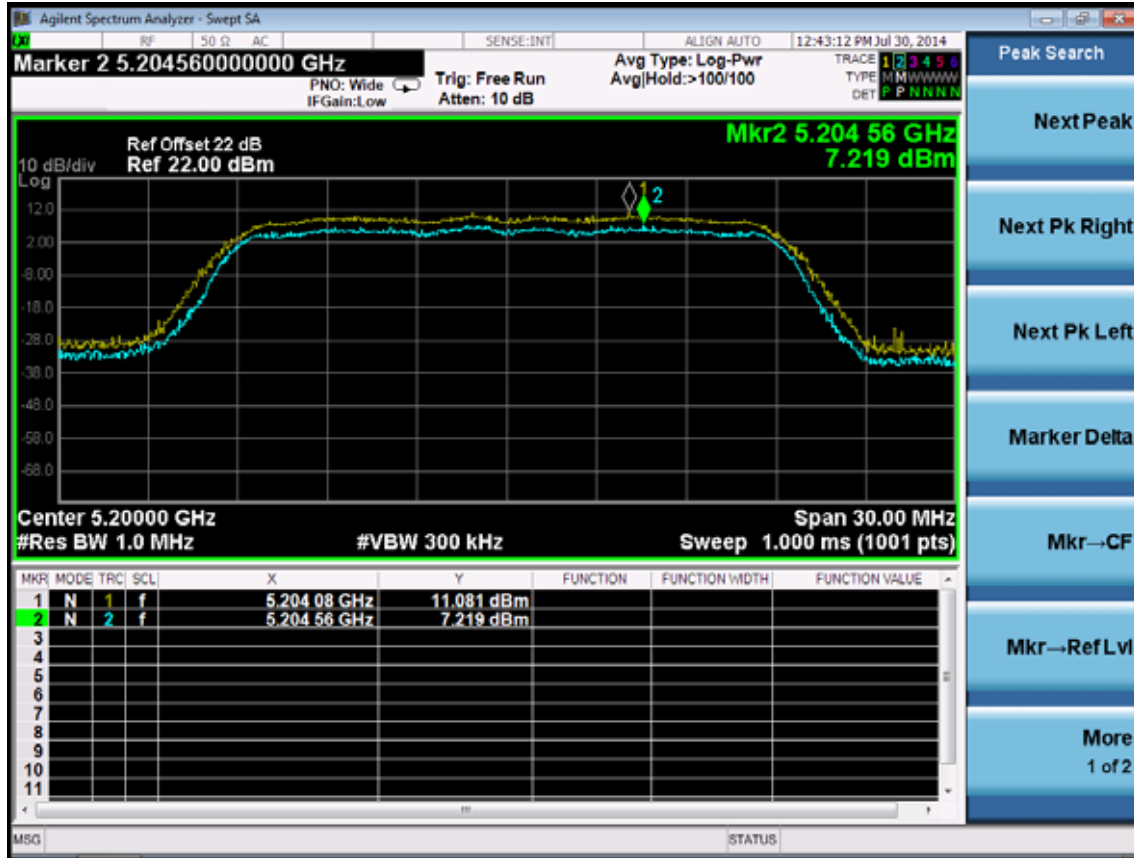


11nHT20

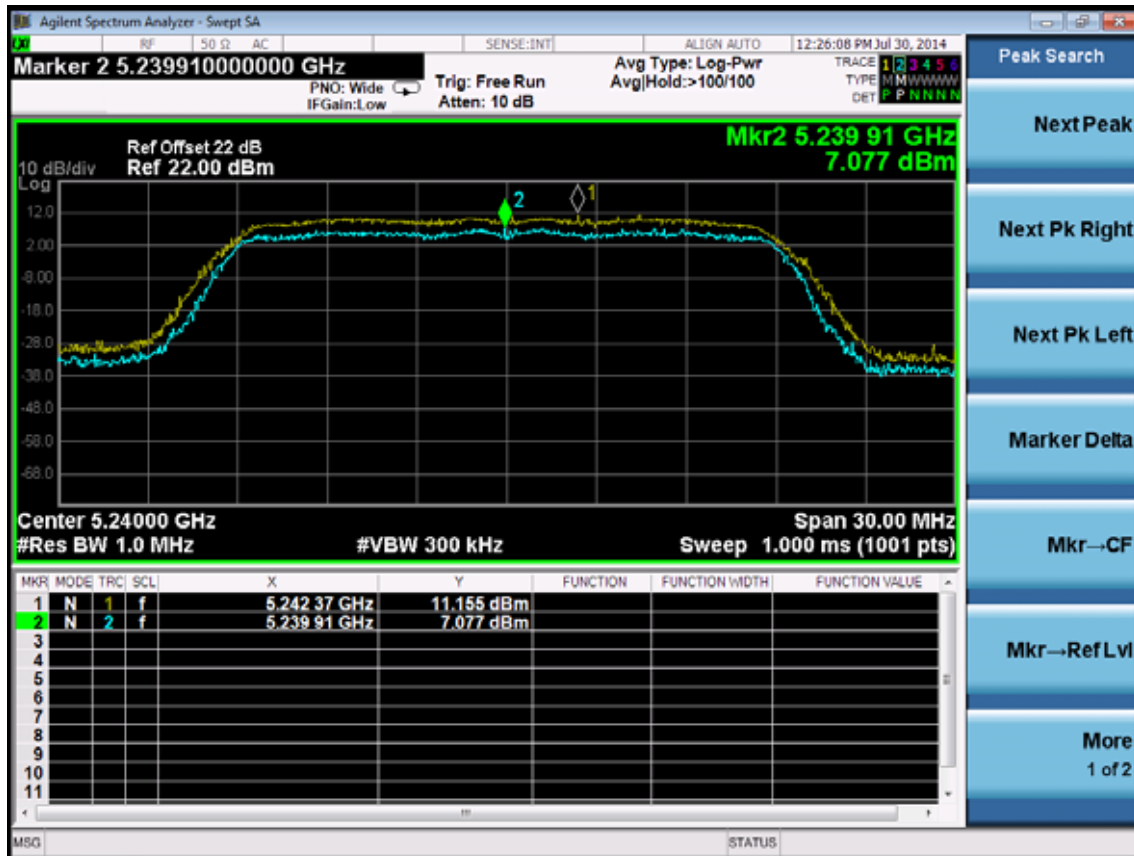
5180MHz



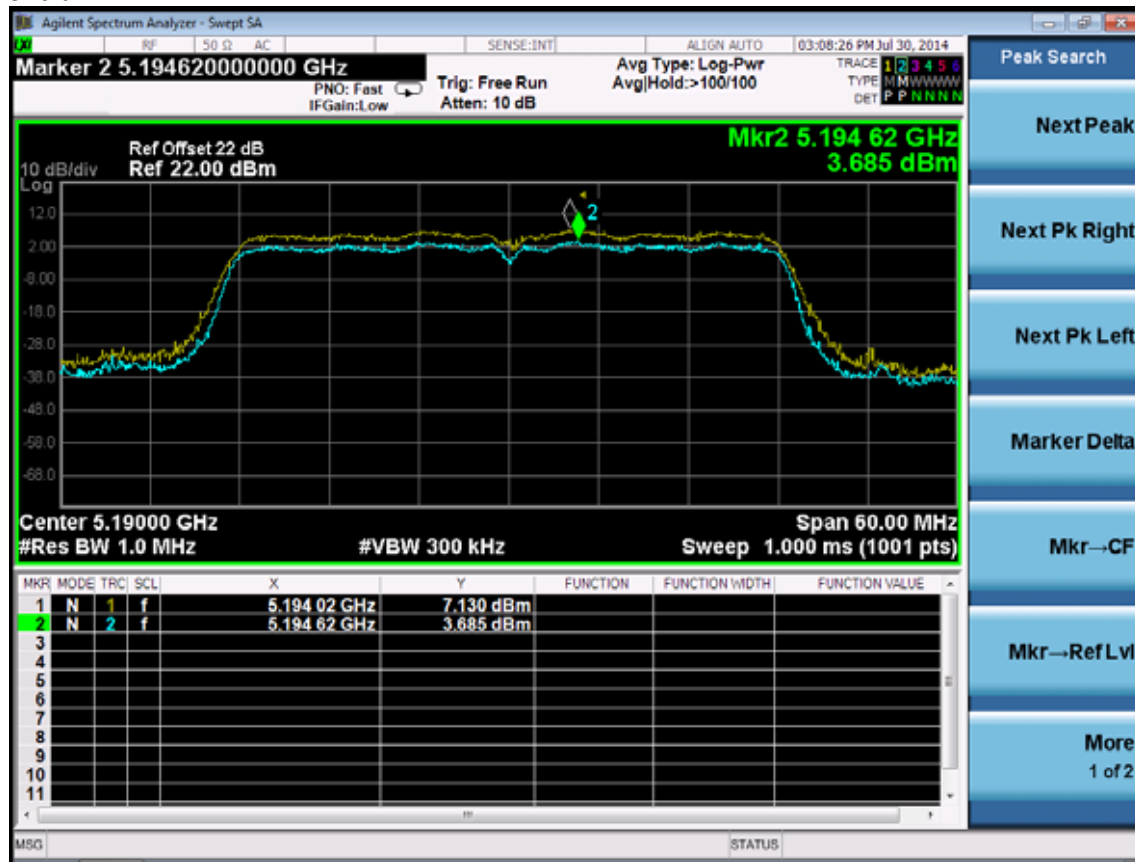
5200MHz



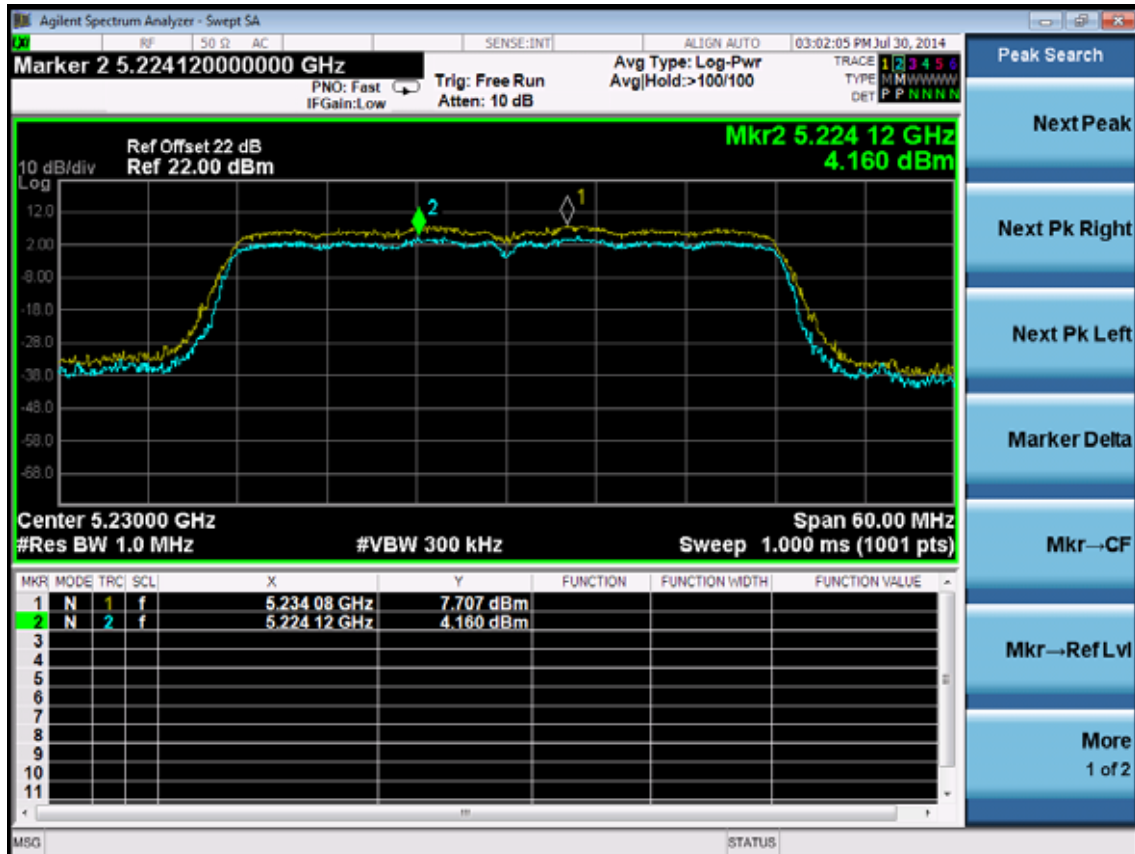
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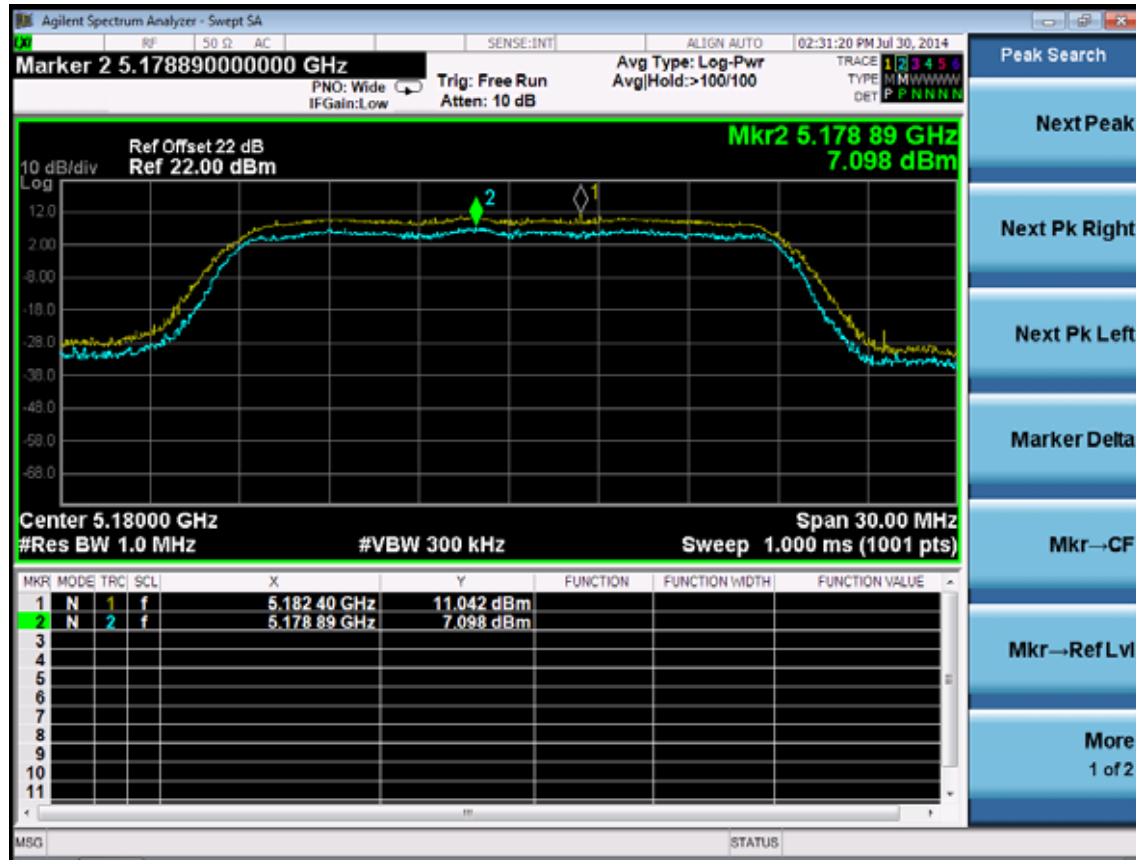
11nHT40
5190MHz



5230MHz



11ac VHT20 5180MHz



5200MHz

