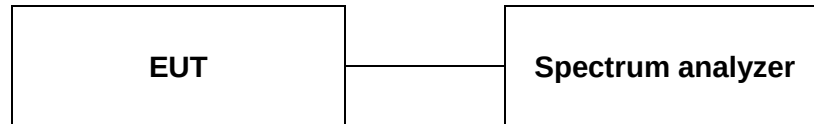


5. 26 dB and 99% bandwidth

5.1. Test setup



5.2. Limit

Not applicable

5.3. Test procedure (KDB 789033)

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 26$. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. Set the spectrum analyzer as,
 - RBW = approximately 1% of the emission bandwidth
 - VBW > RBW
 - Detector = Peak
 - Trace mode = max hold
3. Repeat until all the rest channels are investigated.

5.4. Test results

Ambient temperature: 22°C

Relative humidity: 45% R.H.

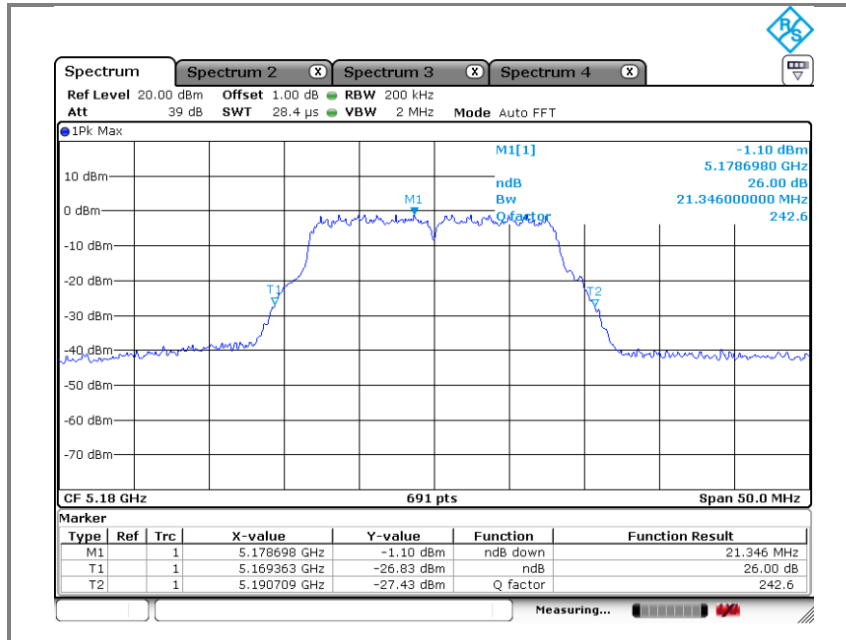
-Next Page

Mode	Frequency(MHz)	26 dB bandwidth(MHz)	99% bandwidth(MHz)
U-NII-1(802.11a)	5 180	21.35	16.50
	5 220	21.13	16.57
	5 240	21.56	16.64
U-NII-1(n_HT20)	5 180	21.56	18.02
	5 220	21.78	17.73
	5 240	21.64	17.73
U-NII-1(n_HT40)	5 190	39.48	36.12
	5 230	39.48	36.12
U-NII-1(VHT80)	5 210	81.04	75.72
U-NII-2A(802.11a)	5 260	21.27	16.57
	5 300	21.42	16.71
	5 320	21.49	16.79
U-NII-2A(n_HT20)	5 260	21.42	17.95
	5 300	21.93	17.87
	5 320	21.27	17.95
U-NII-2A(n_HT40)	5 270	39.36	36.12
	5 310	39.25	36.24
U-NII-2A(VHT80)	5 290	80.81	75.95
U-NII-2C(802.11a)	5 500	21.49	16.64
	5 560	20.84	16.71
	5 620	21.42	16.57
U-NII-2C(n_HT20)	5 500	22.07	17.95
	5 560	21.93	17.95
	5 620	21.49	18.02
U-NII-2C(n_HT40)	5 510	39.71	36.24
	5 550	39.71	36.12
	5 590	39.48	36.24
U-NII-2C(VHT80)	5 530	80.58	75.95
	5 610	81.51	75.72

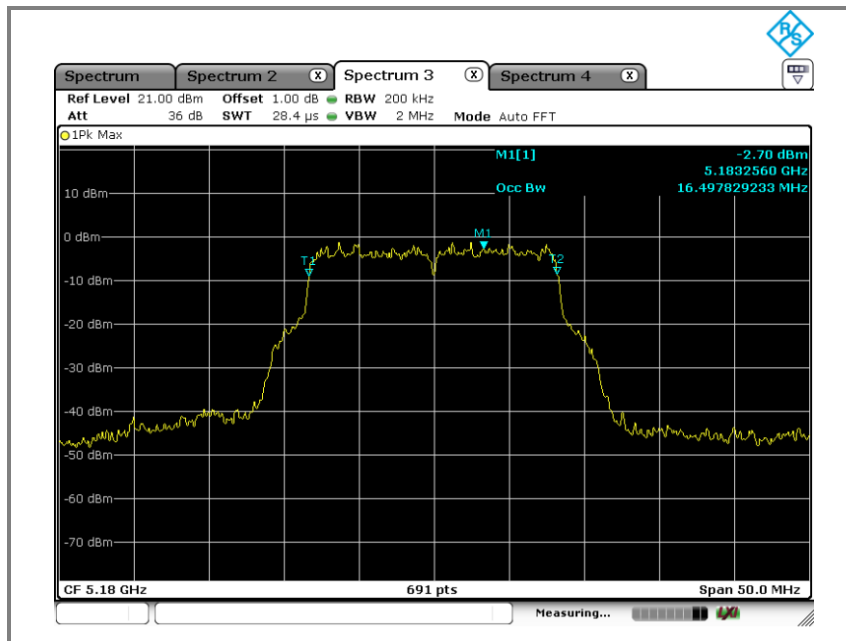
Mode	Frequency(MHz)	26 dB bandwidth(MHz)	99% bandwidth(MHz)
U-NII-3(802.11a)	5 745	21.64	16.64
	5 785	21.35	16.71
	5 805	21.42	16.64
U-NII-3(n_HT20)	5 745	21.56	17.80
	5 785	21.78	17.95
	5 805	21.93	17.73
U-NII-3(n_HT40)	5 755	39.48	36.24
	5 795	39.48	36.12
U-NII-3(VHT80)	5 775	81.97	75.72

Operation mode: U-NII-1(802.11a)

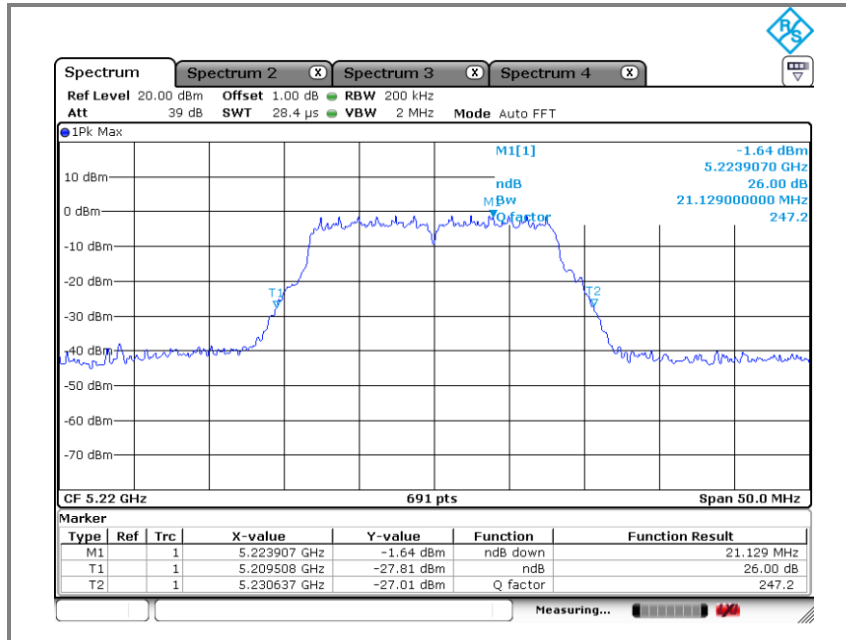
A. Low channel(5180 MHz)- 26 dB bandwidth



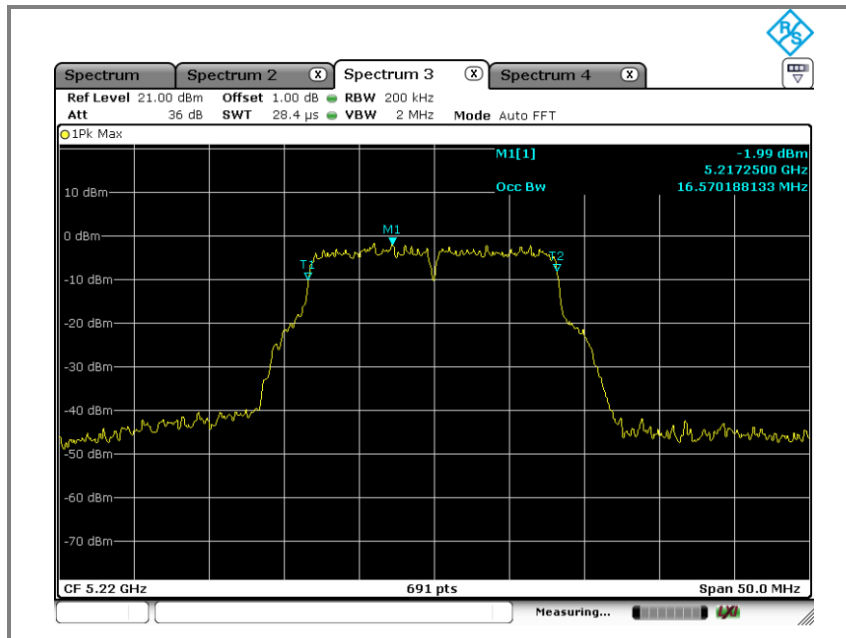
A. Low channel(5180 MHz)- 99% bandwidth



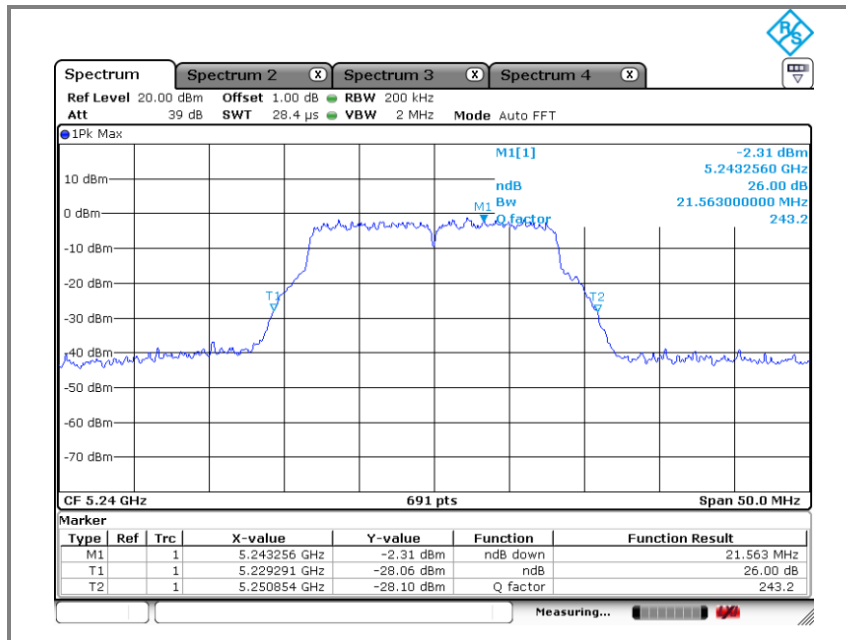
B. Middle channel(5220 MHz)- 26 dB bandwidth



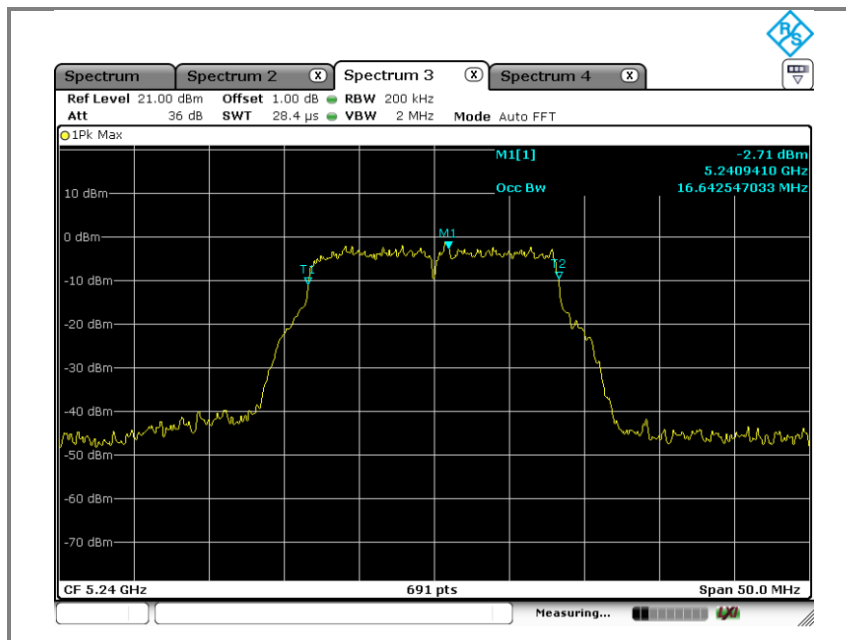
B. Middle channel(5220 MHz)- 99% bandwidth



C. High channel(5240 MHz)- 26 dB bandwidth

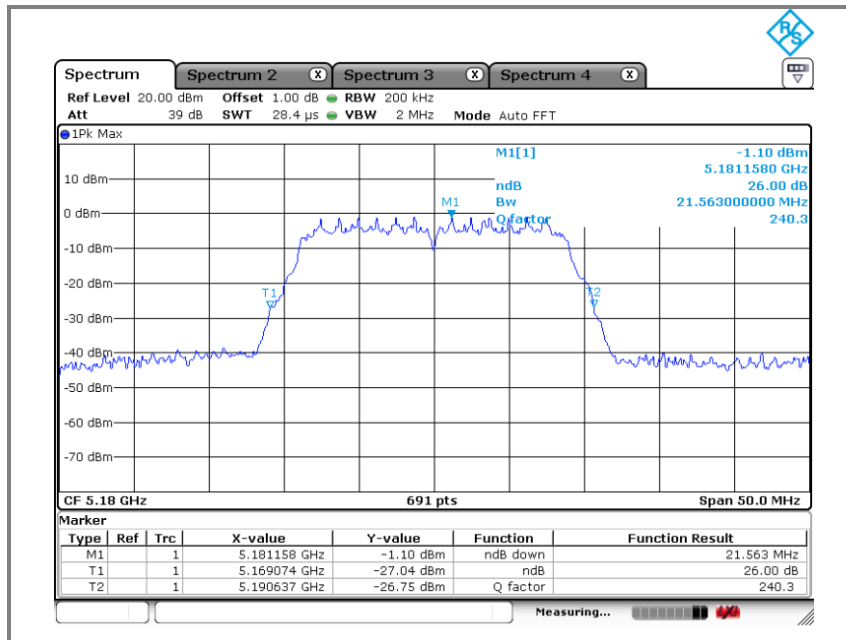


C. High channel(5240 MHz)- 99% bandwidth

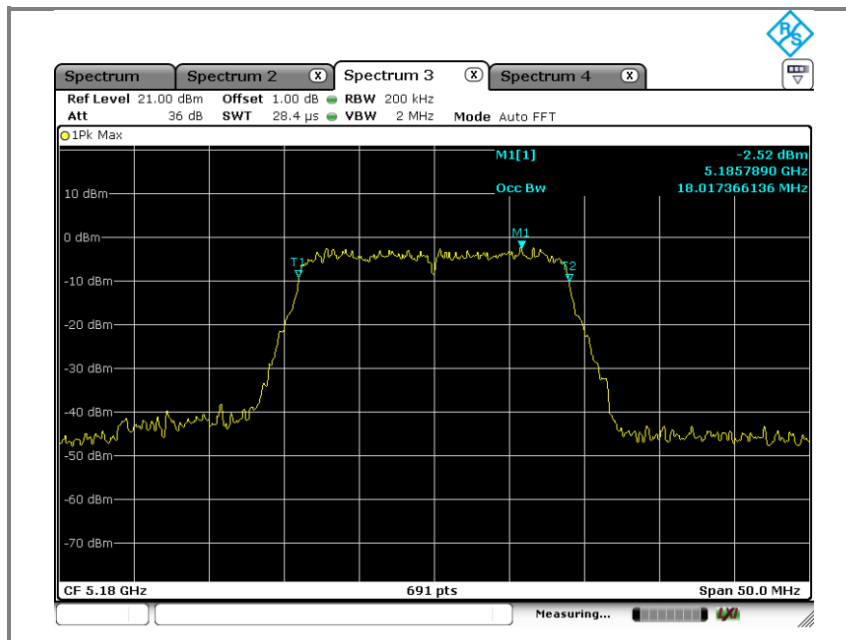


Operation mode: U-NII-1(n_HT20)

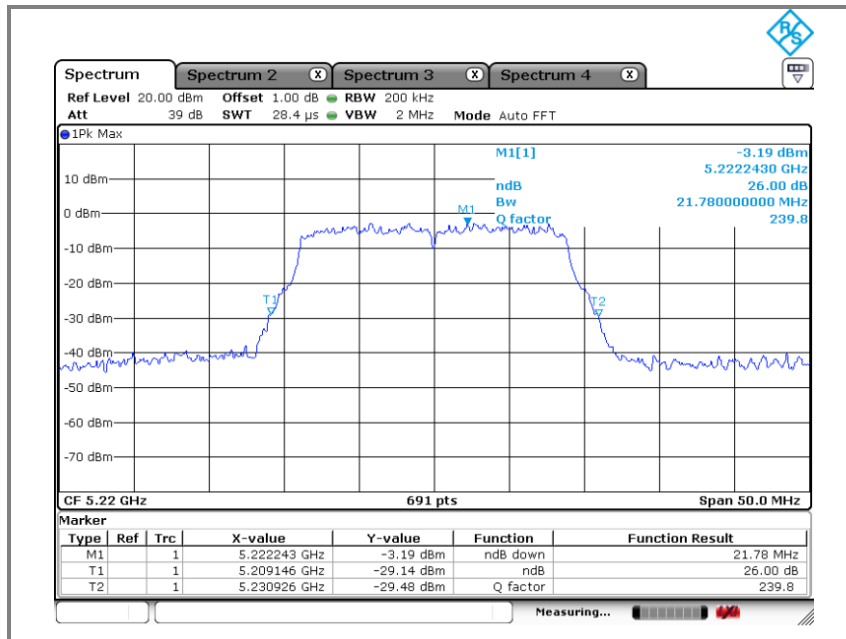
A. Low channel(5180 MHz)- 26 dB bandwidth



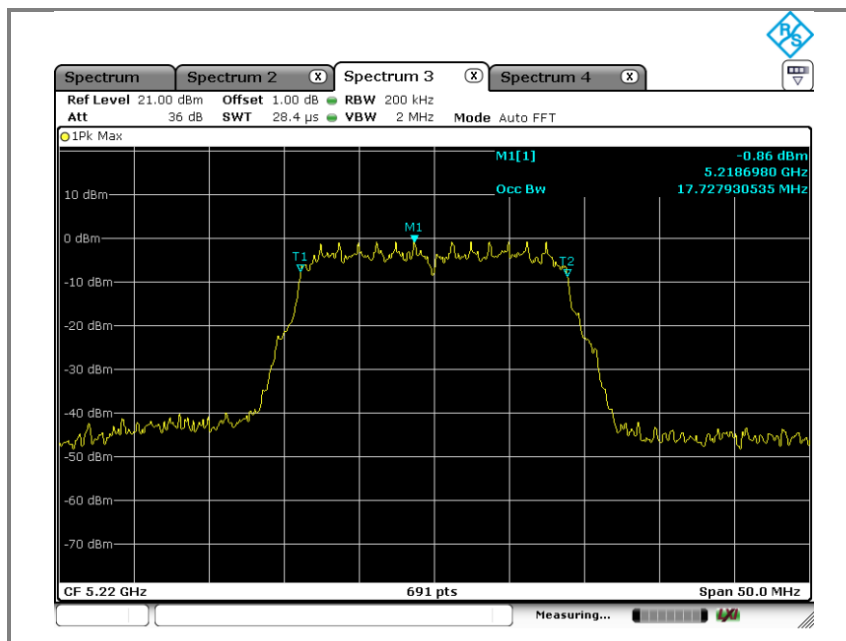
A. Low channel(5180 MHz)- 99% bandwidth



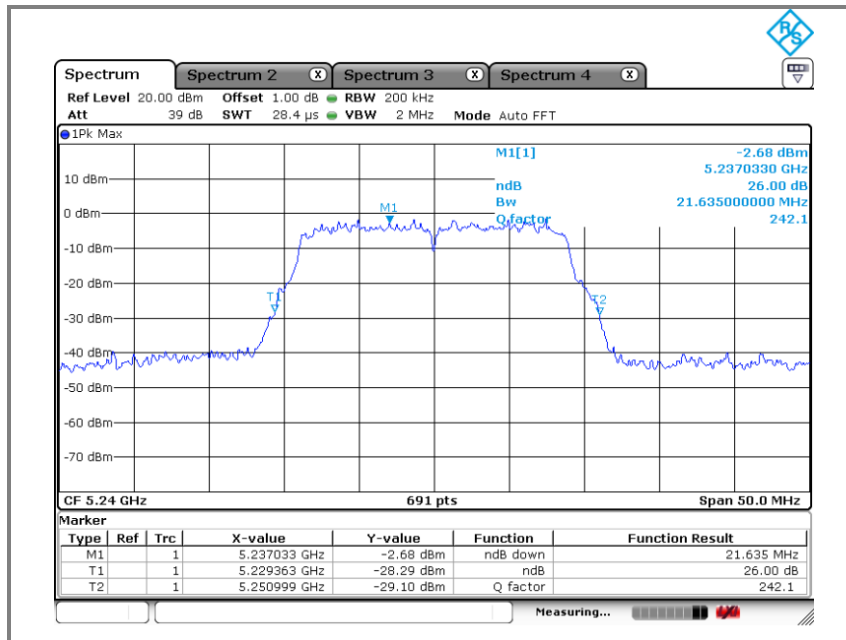
B. Middle channel(5220 MHz)- 26 dB bandwidth



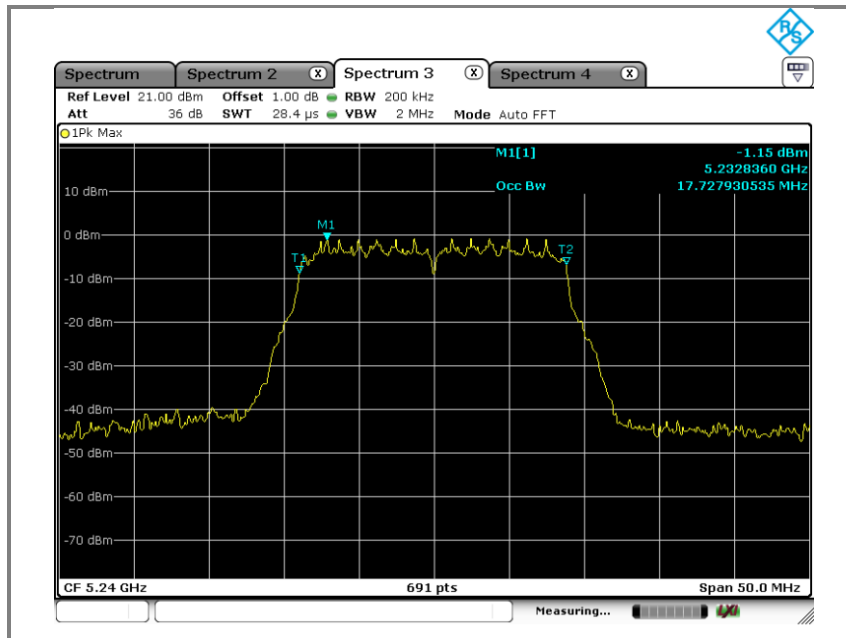
B. Middle channel(5220 MHz)- 99% bandwidth



C. High channel(5240 MHz)- 26 dB bandwidth

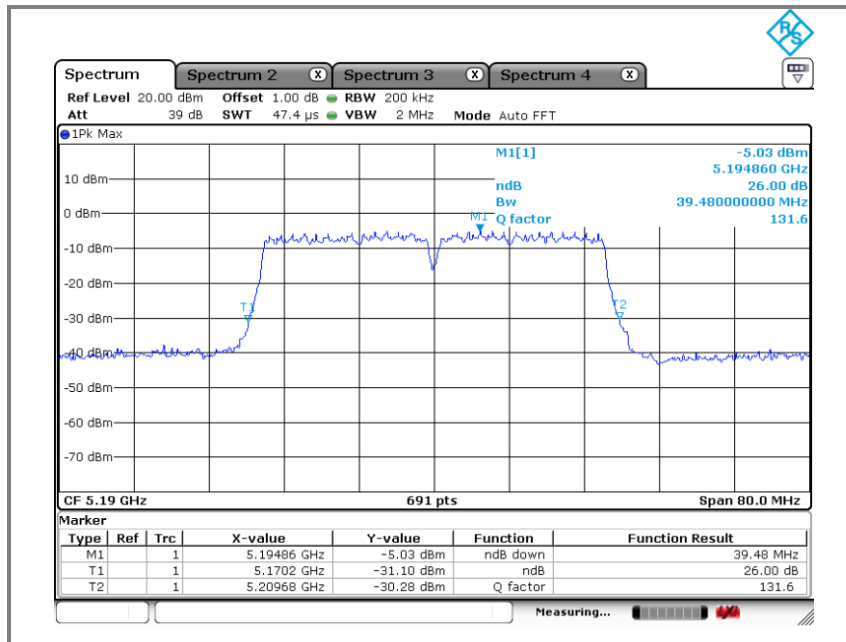


C. High channel(5240 MHz)- 99% bandwidth

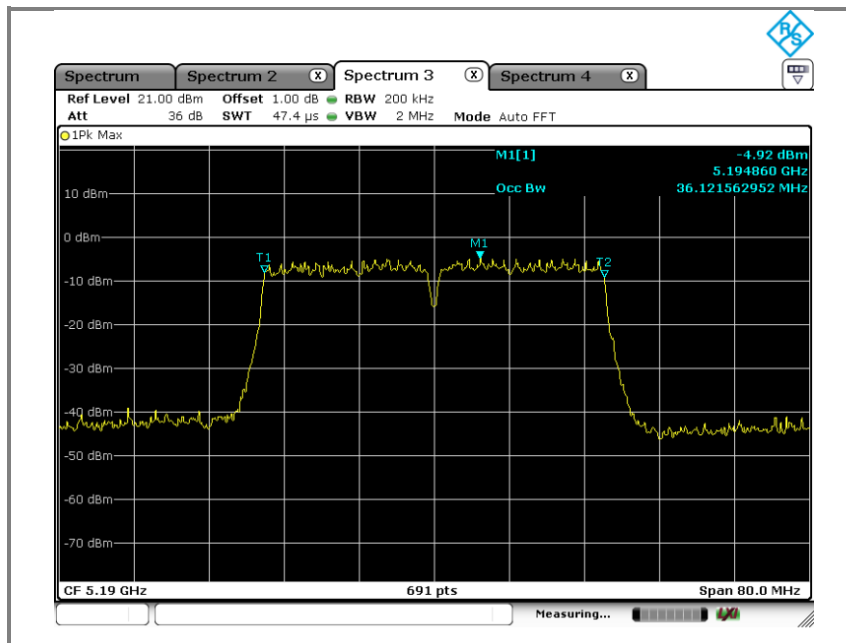


Operation mode: U-NII-1(n_HT40)

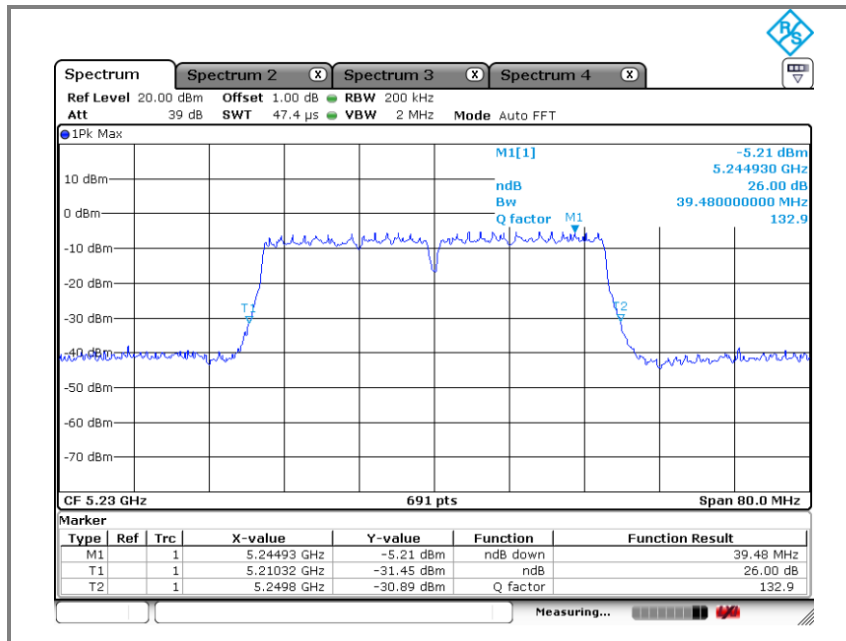
A. Low channel(5190 MHz)- 26 dB bandwidth



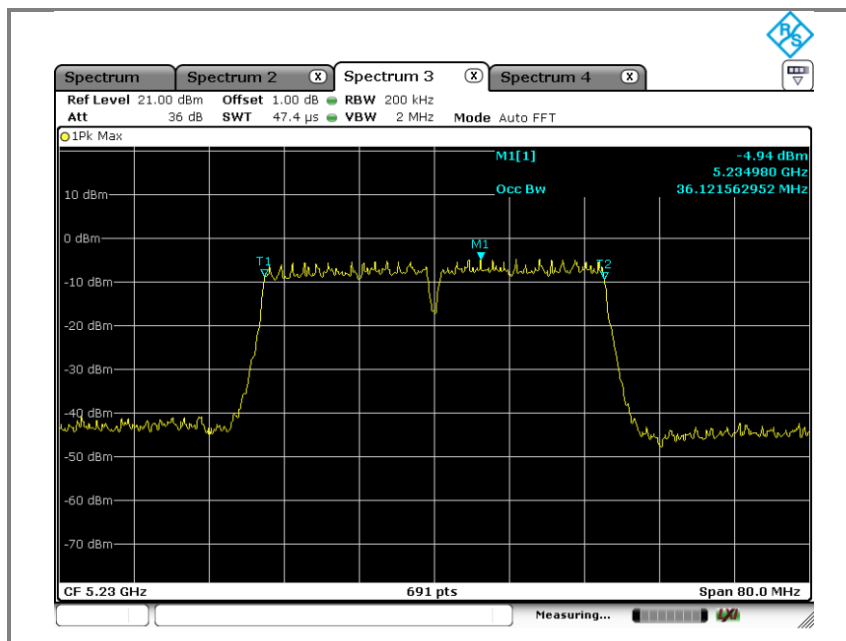
A. Low channel(5190 MHz)- 99% bandwidth



B. High channel(5230 MHz)- 26 dB bandwidth

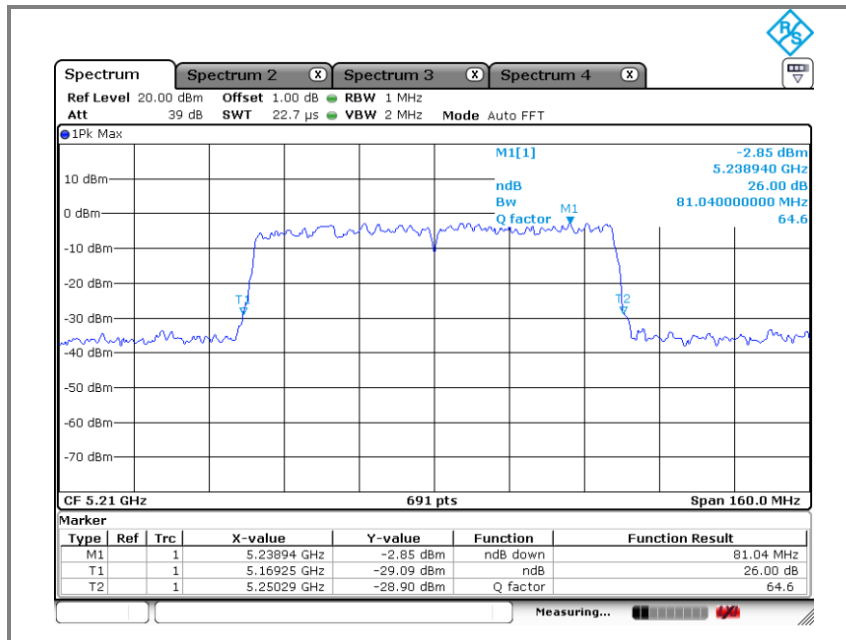


B. High channel(5230 MHz)- 99% bandwidth

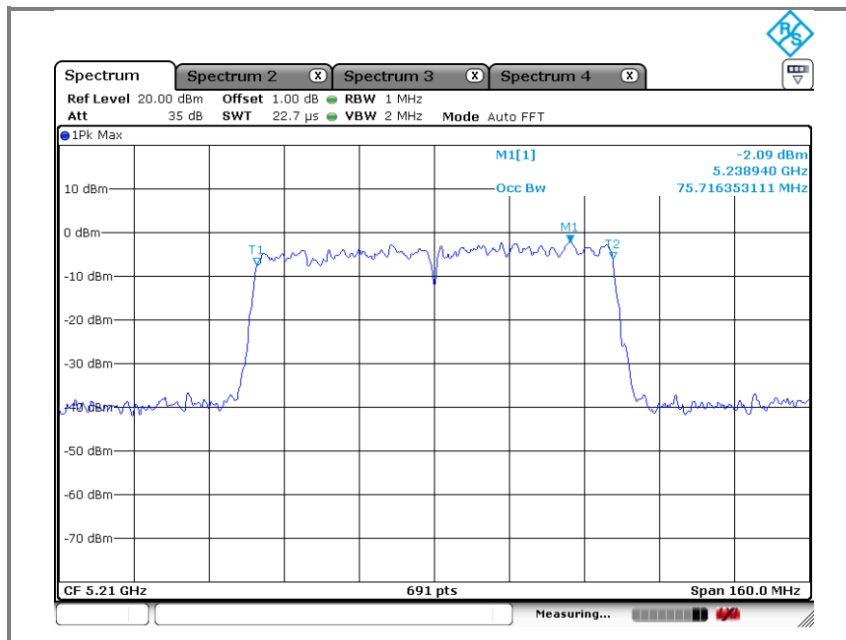


Operation mode: U-NII-1(VHT80)

A. Low channel(5210 MHz)- 26 dB bandwidth

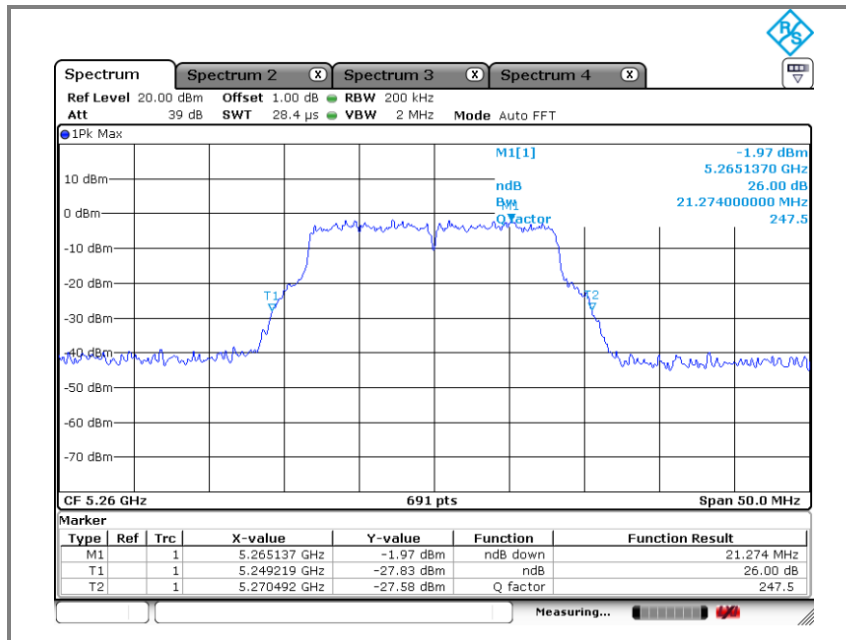


A. Low channel(5210 MHz)- 99% bandwidth

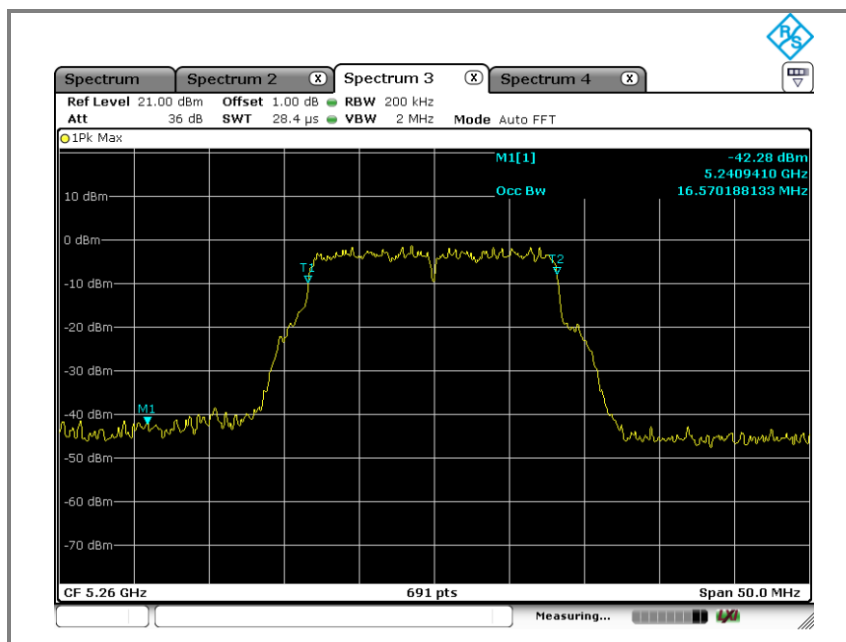


Operation mode: U-NII-2A(802.11a)

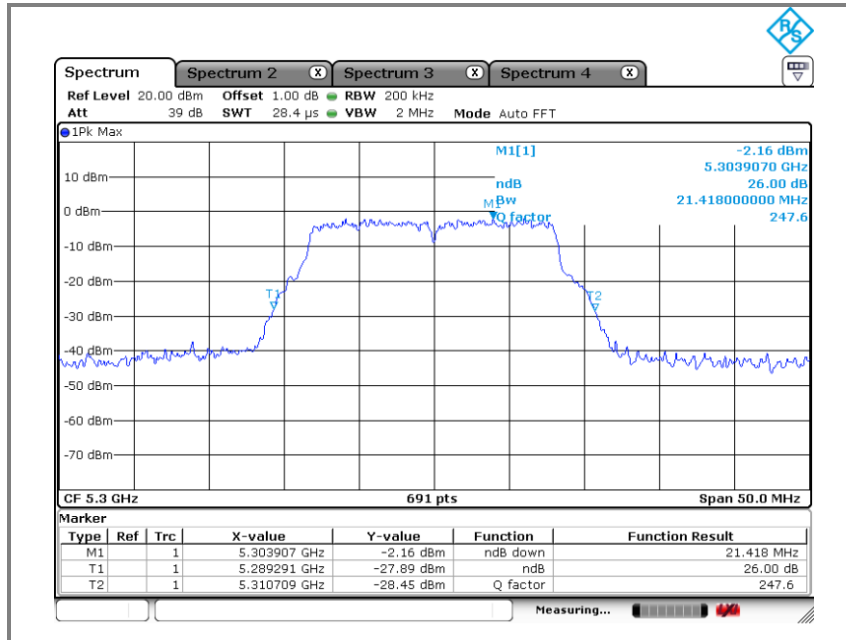
A. Low channel(5260 MHz)- 26 dB bandwidth



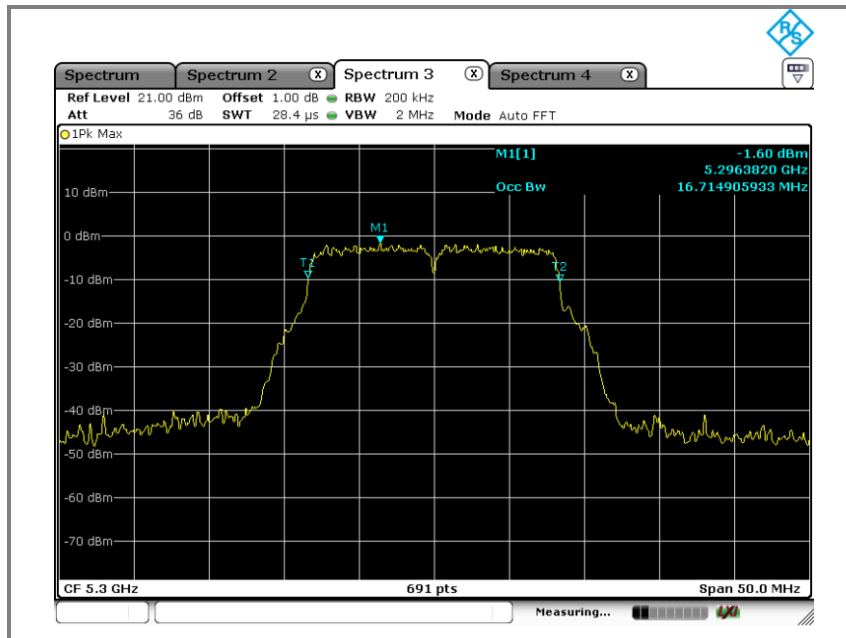
A. Low channel(5260 MHz)- 99% bandwidth



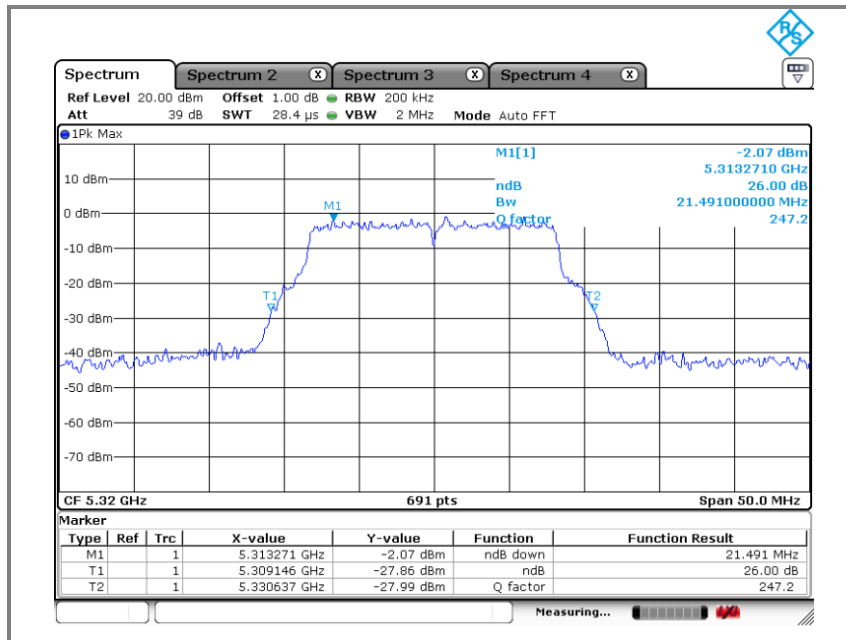
B. Middle channel(5300 MHz)- 26 dB bandwidth



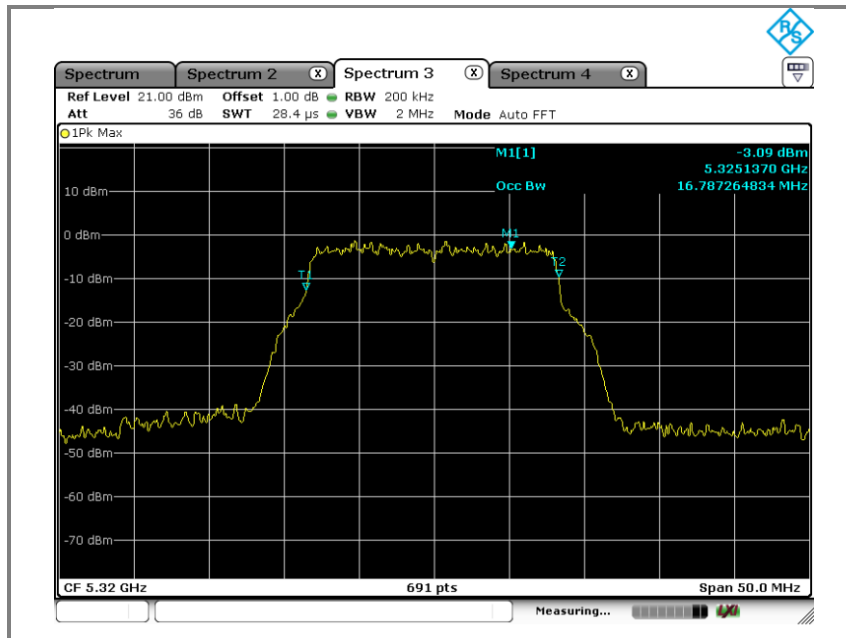
B. Middle channel(5300 MHz)- 99% bandwidth



C. High channel(5320 MHz)- 26 dB bandwidth

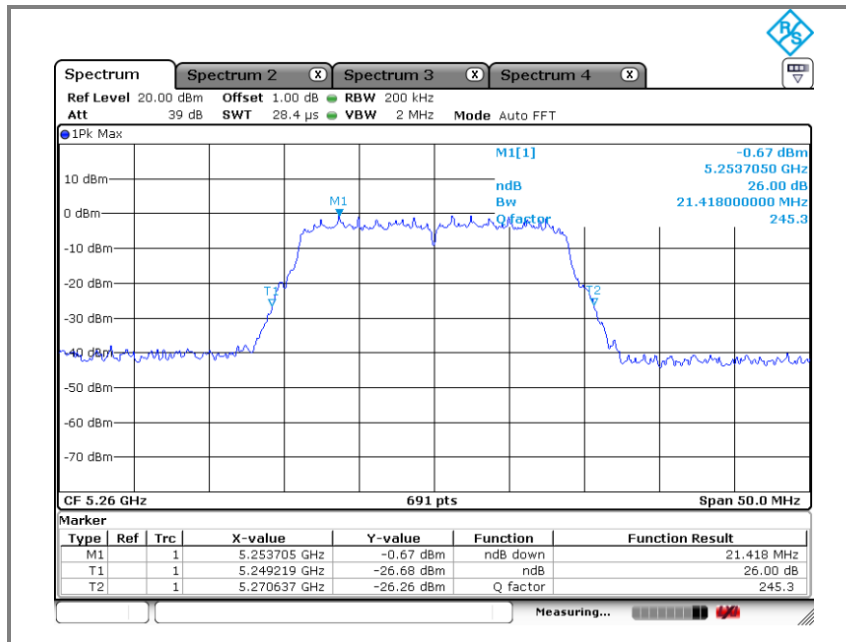


C. High channel(5320 MHz)- 99% bandwidth

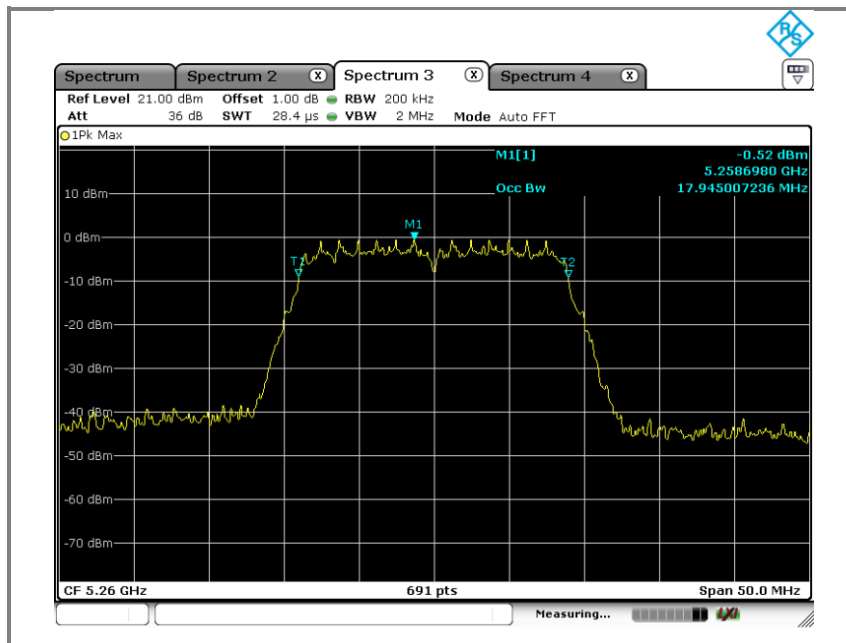


Operation mode: U-NII-2A(n_HT20)

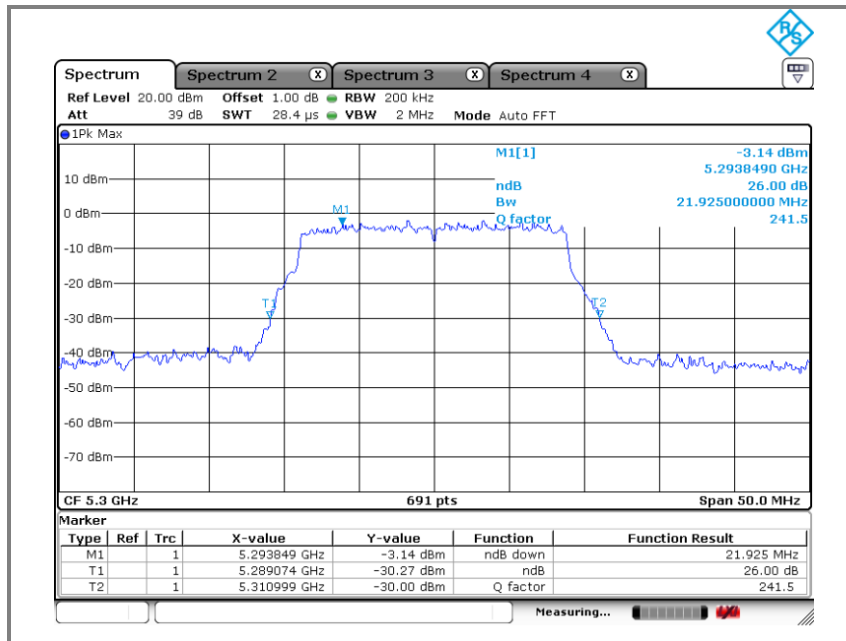
A. Low channel(5260 MHz)- 26 dB bandwidth



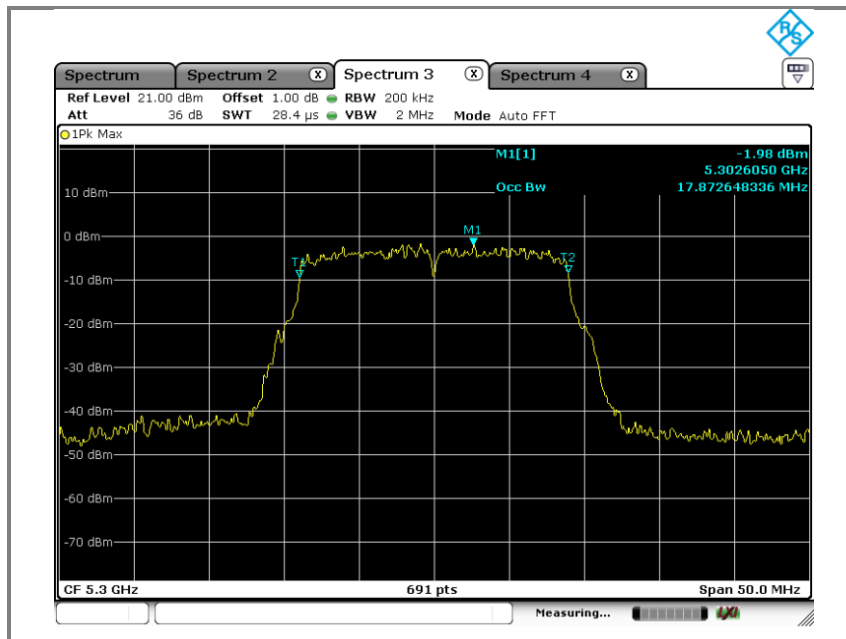
A. Low channel(5260 MHz)- 99% bandwidth



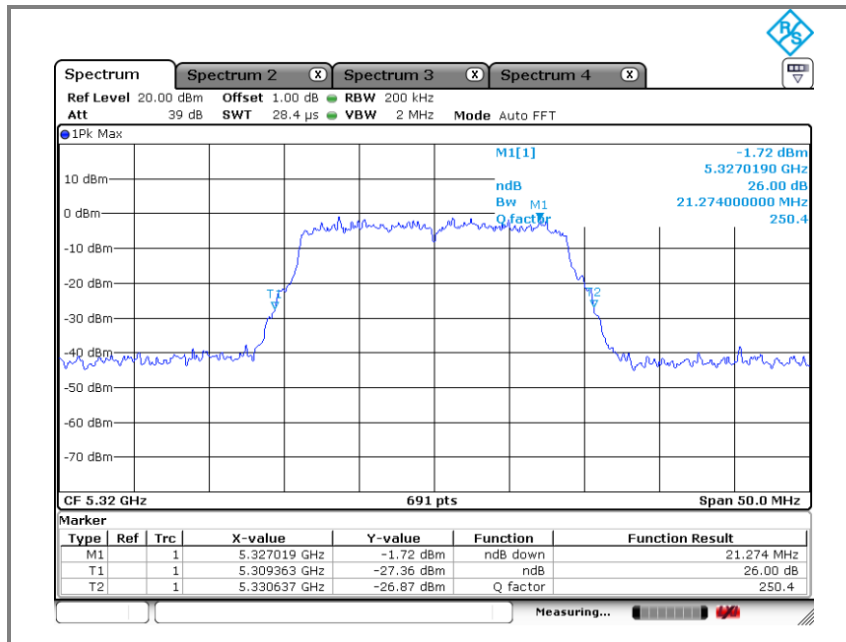
B. Middle channel(5300 MHz)- 26 dB bandwidth



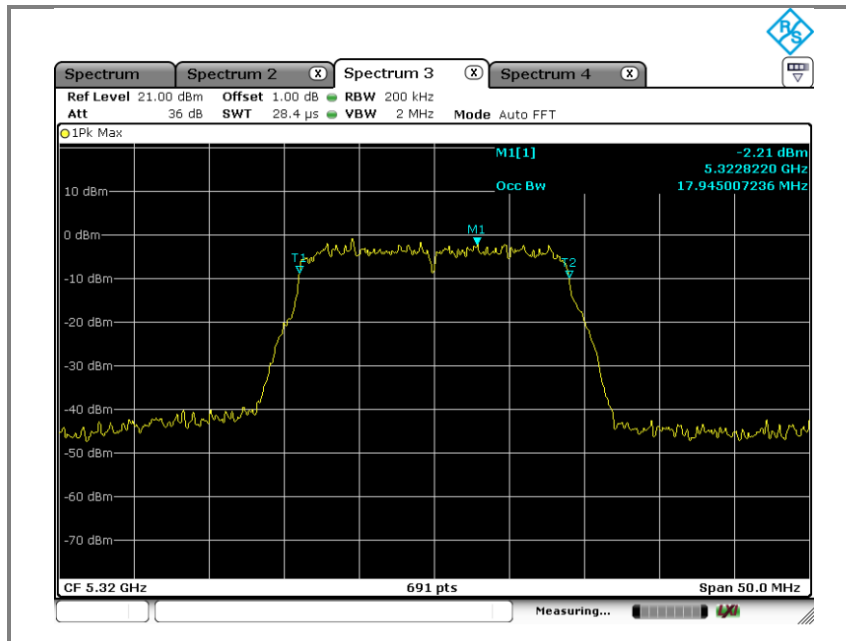
B. Middle channel(5300 MHz)- 99% bandwidth



C. High channel(5320 MHz)- 26 dB bandwidth

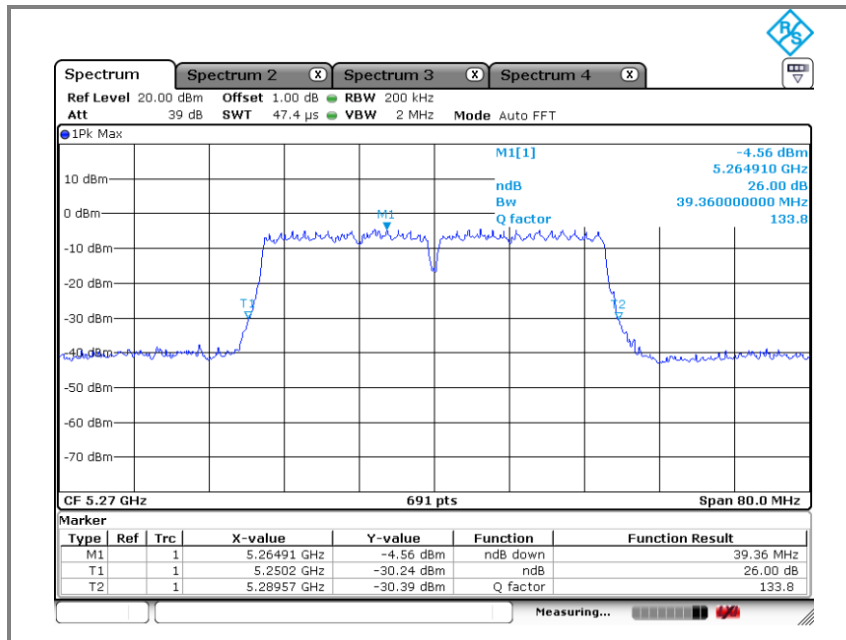


C. High channel(5320 MHz)- 99% bandwidth

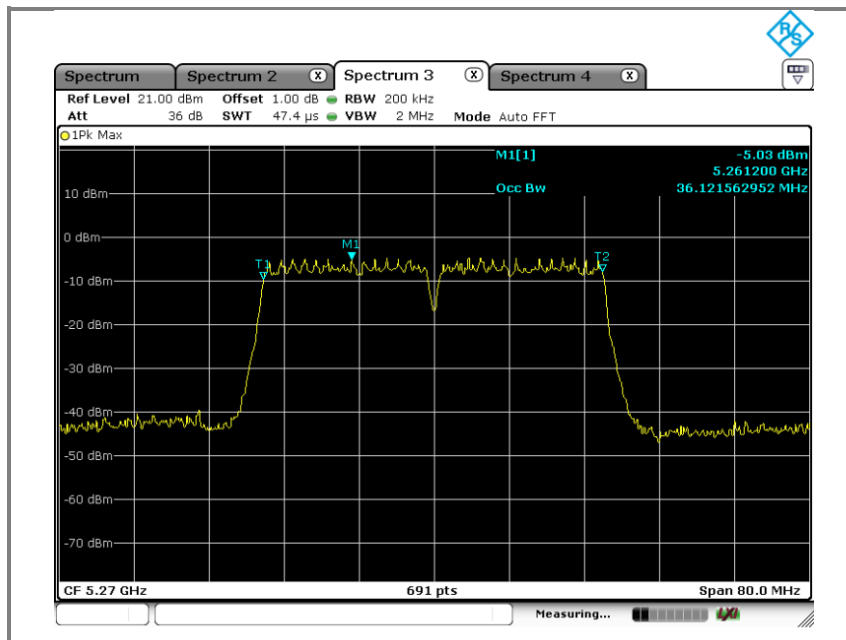


Operation mode: U-NII-2A(n_HT40)

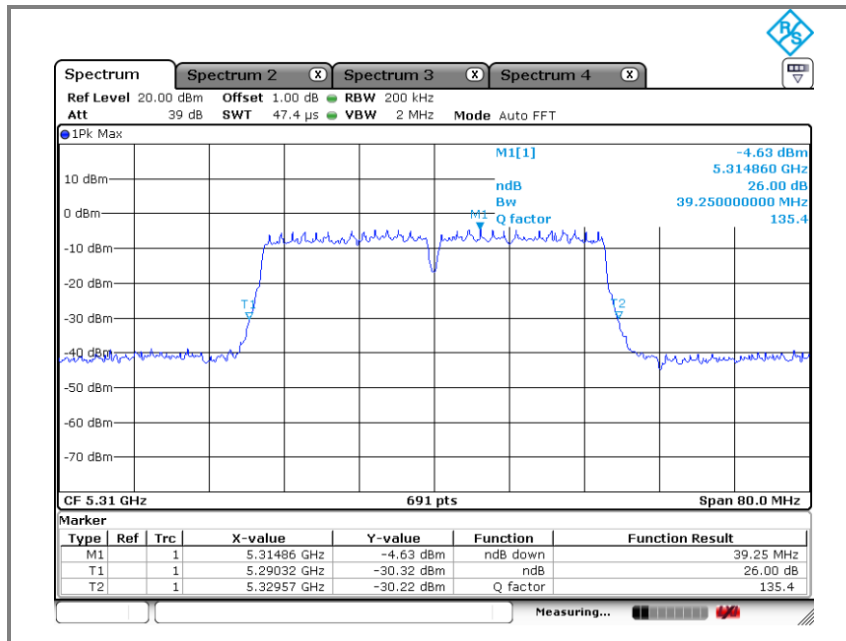
A. Low channel(5270 MHz)- 26 dB bandwidth



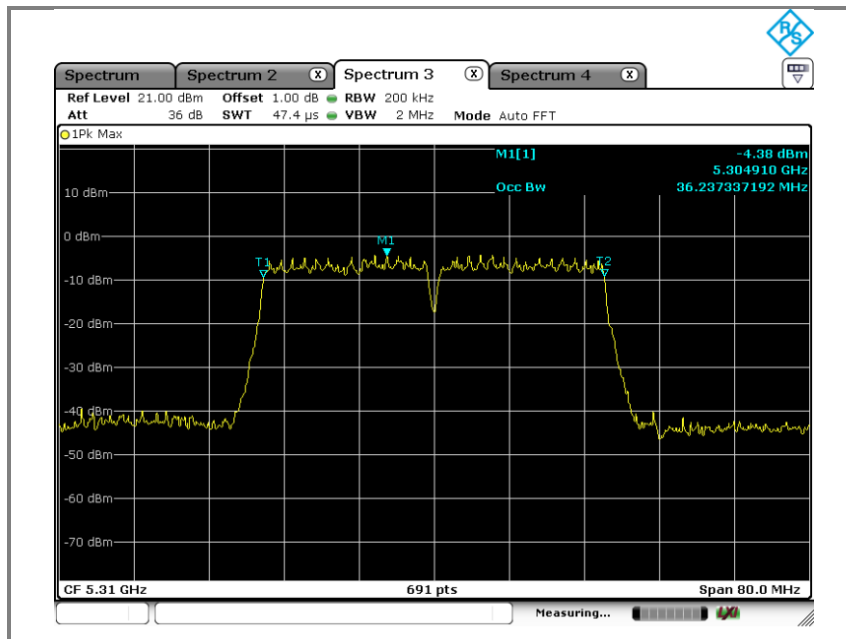
A. Low channel(5270 MHz)- 99% bandwidth



B. High channel(5310 MHz)- 26 dB bandwidth

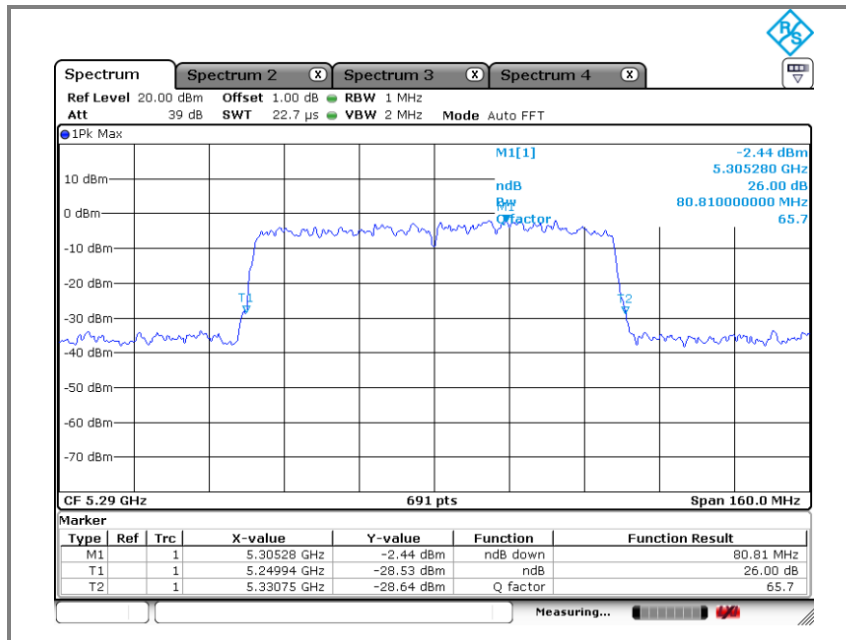


B. High channel(5310 MHz)- 99% bandwidth

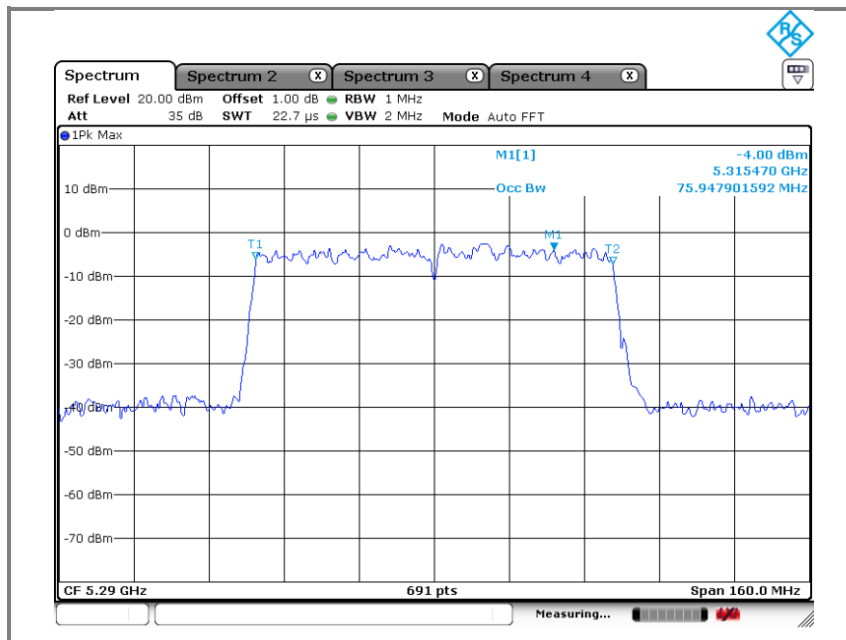


Operation mode: U-NII-2A(VHT80)

A. Low channel(5290 MHz)- 26 dB bandwidth

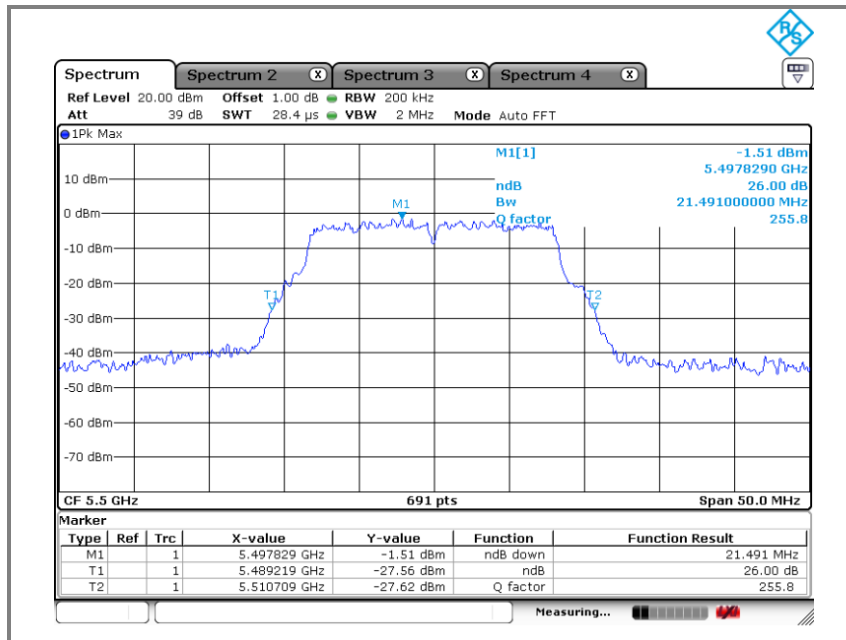


A. Low channel(5290 MHz)- 99% bandwidth

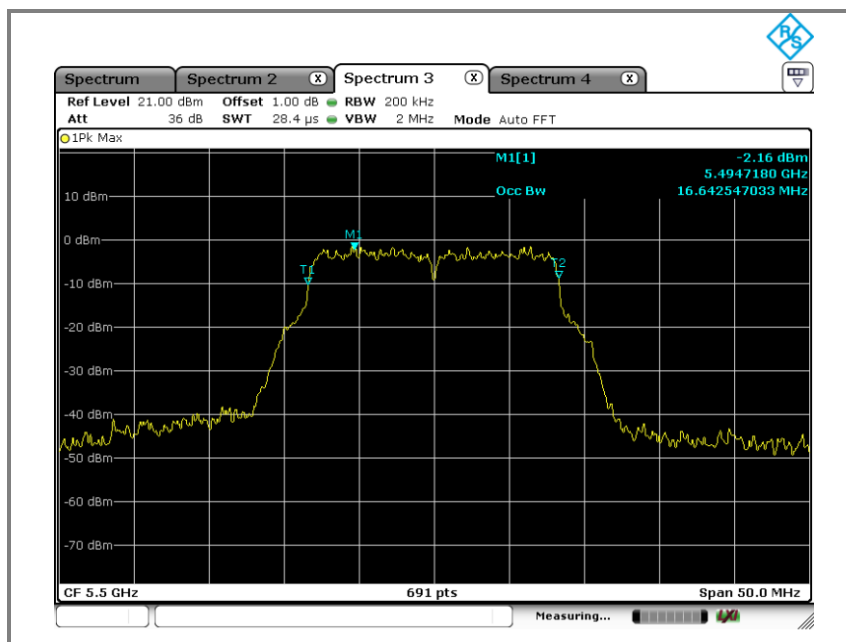


Operation mode: U-NII-2C(802.11a)

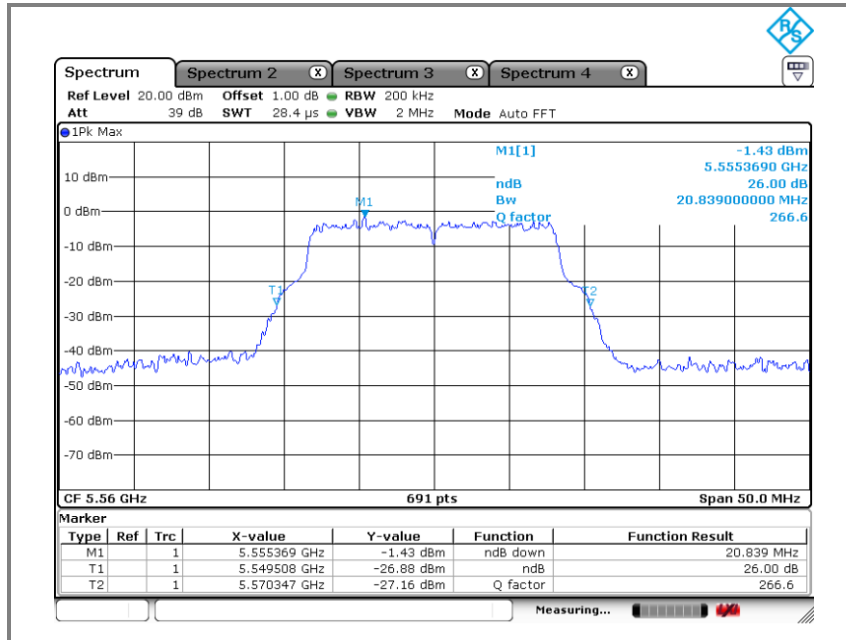
A. Low channel(5500 MHz)- 26 dB bandwidth



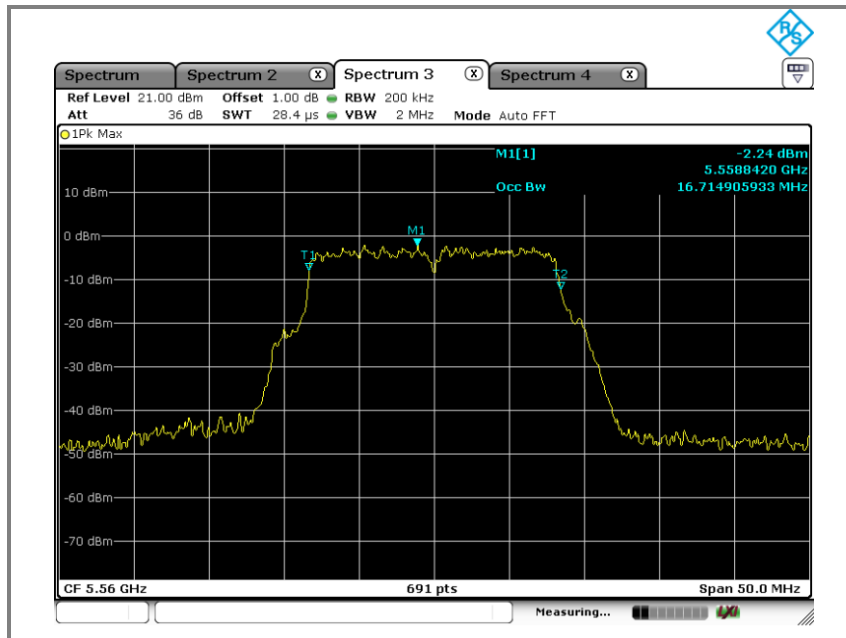
A. Low channel(5500 MHz)- 99% bandwidth



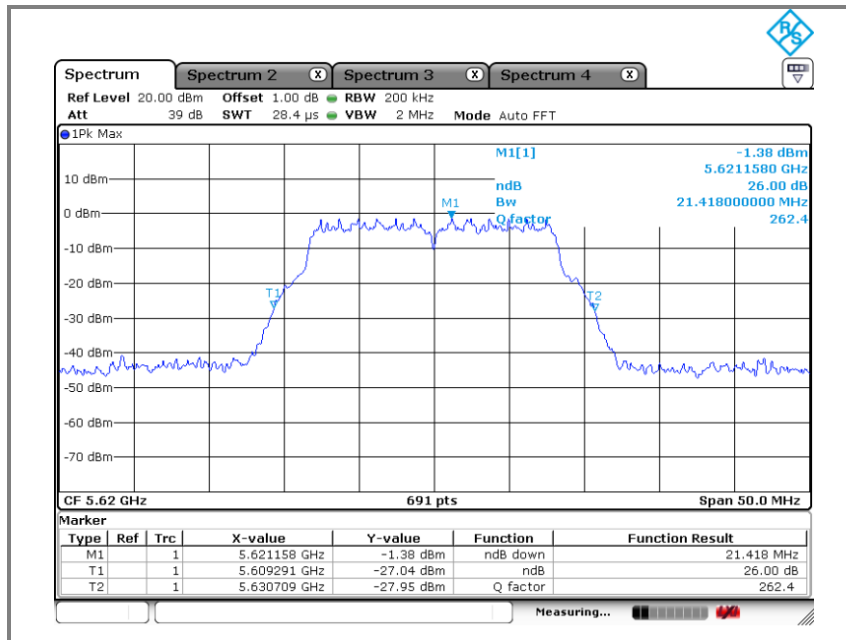
B. Middle channel(5560 MHz)- 26 dB bandwidth



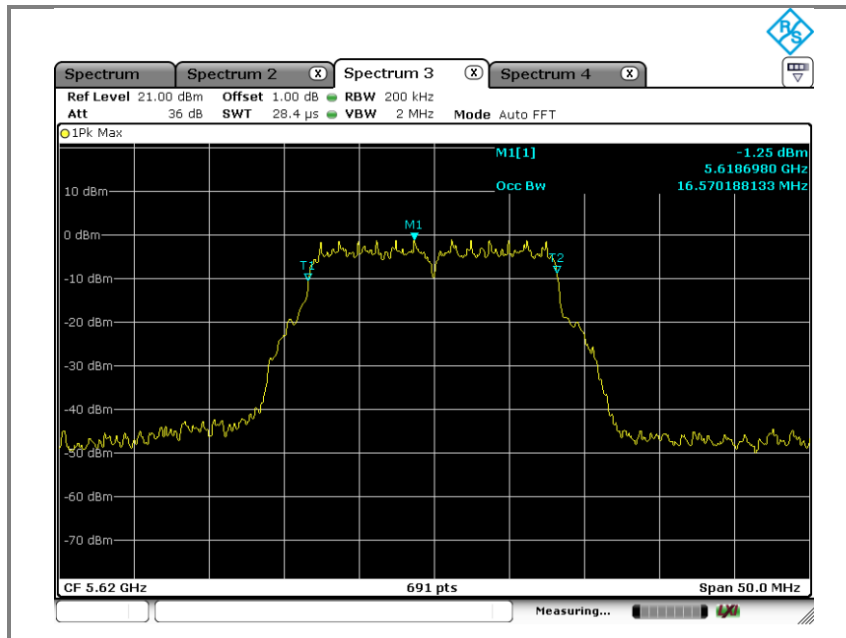
B. Middle channel(5560 MHz)- 99% bandwidth



C. High channel(5620 MHz)- 26 dB bandwidth

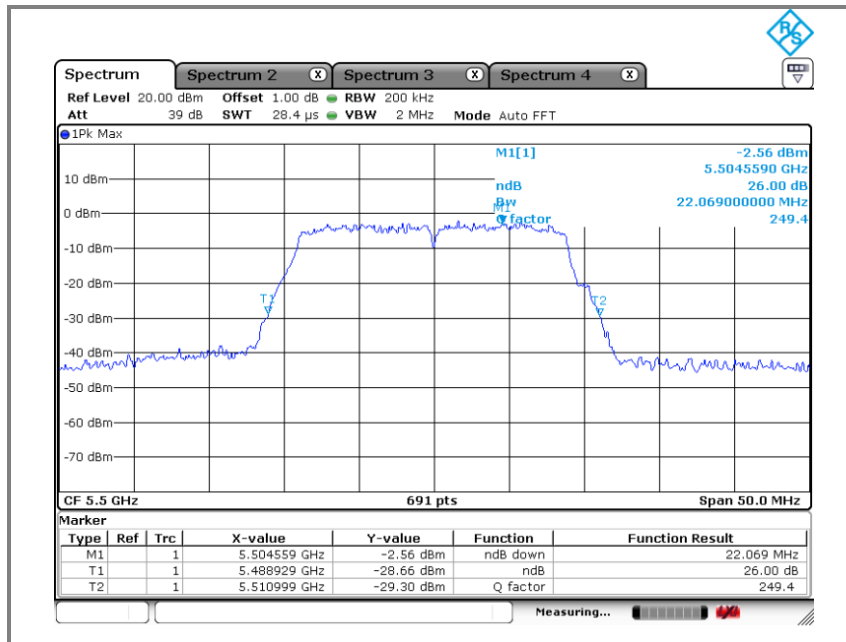


C. High channel(5620 MHz)- 99% bandwidth

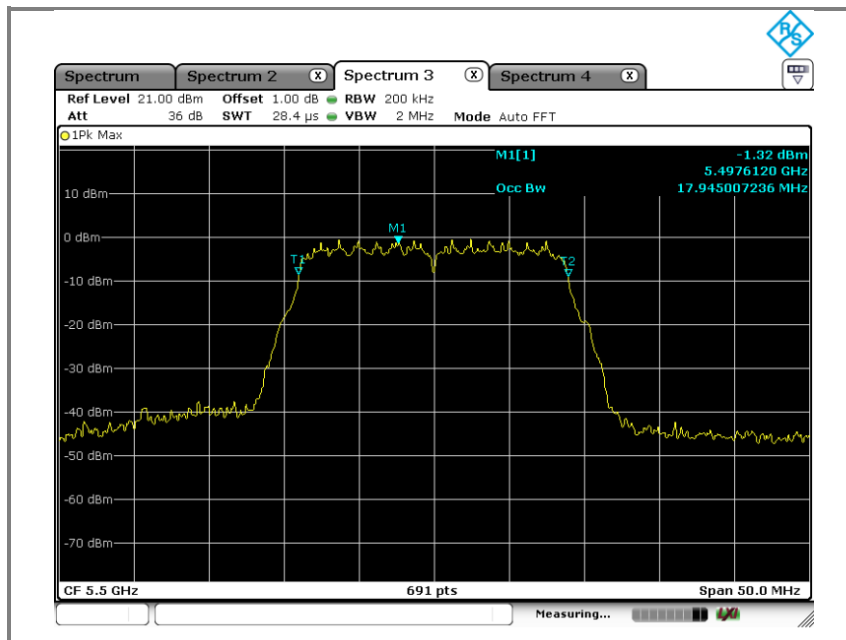


Operation mode: U-NII-2C(n_HT20)

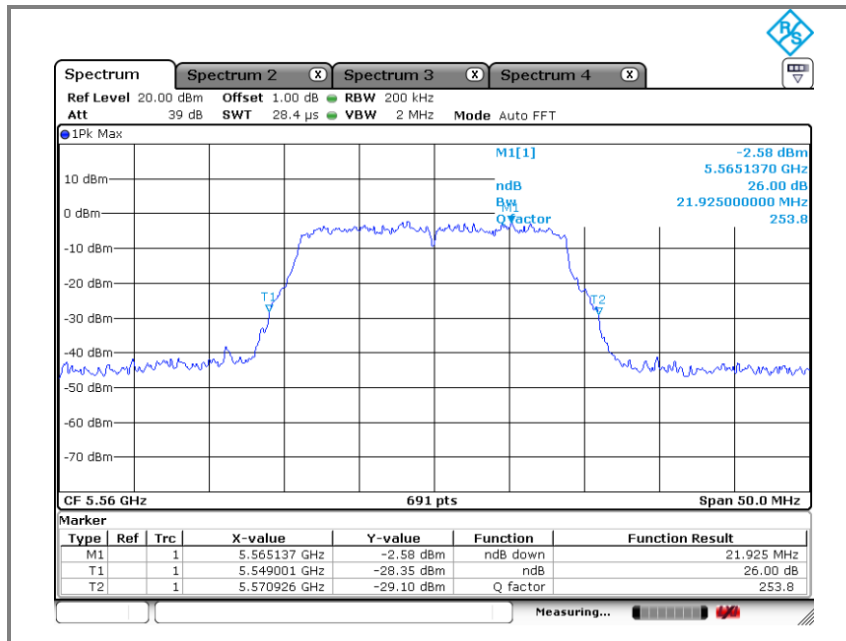
A. Low channel(5500 MHz)- 26 dB bandwidth



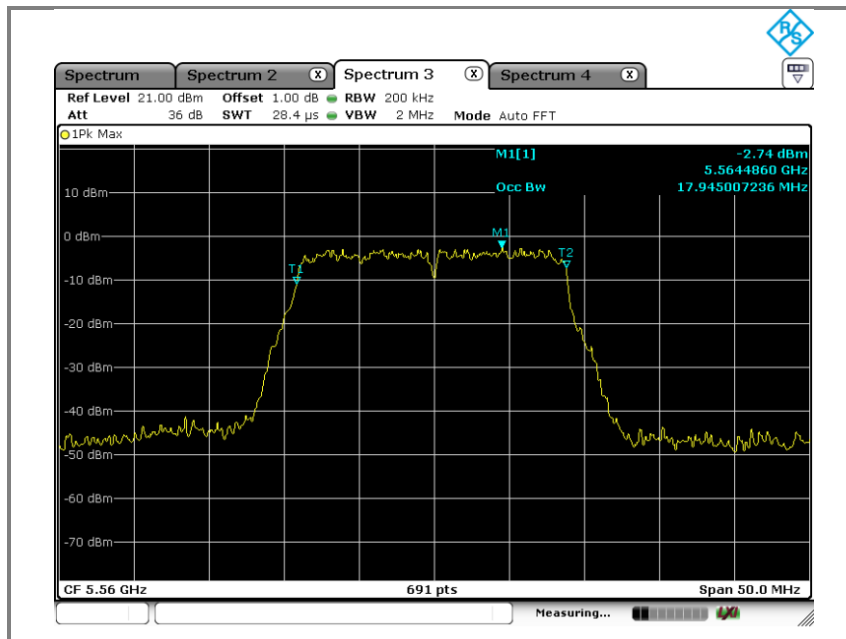
A. Low channel(5500 MHz)- 99% bandwidth



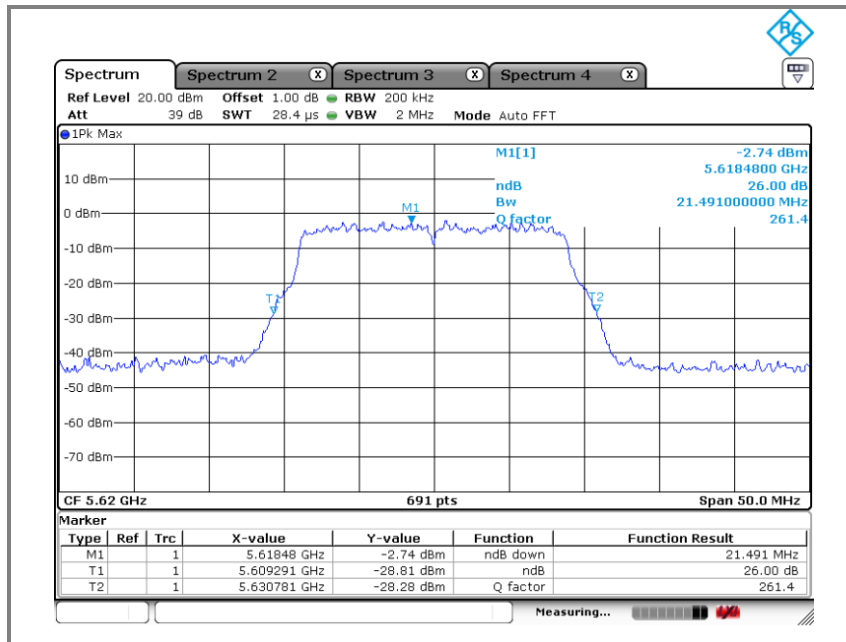
B. Middle channel(5560 MHz)- 26 dB bandwidth



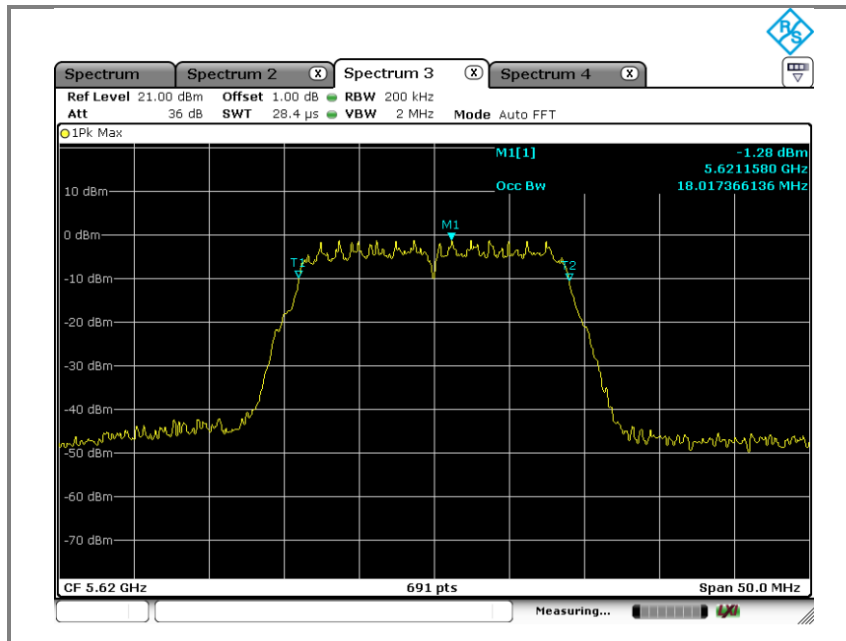
B. Middle channel(5560 MHz)- 99% bandwidth



C. High channel(5620 MHz)- 26 dB bandwidth

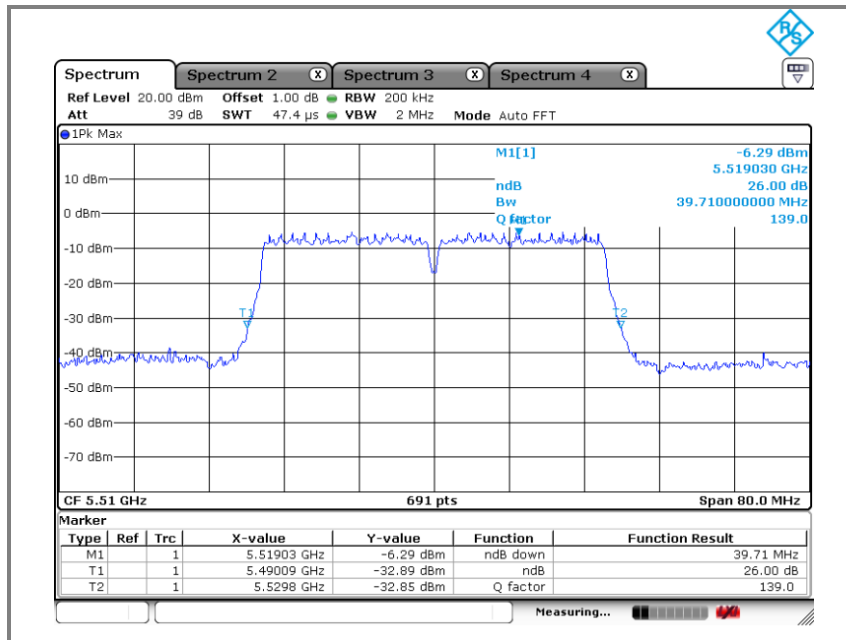


C. High channel(5620 MHz)- 99% bandwidth

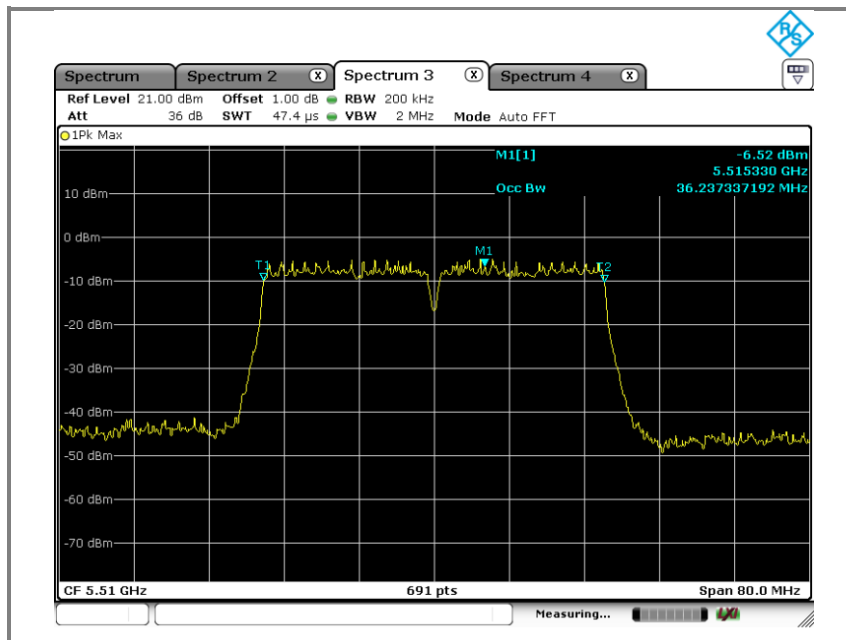


Operation mode: U-NII-2C(n_HT40)

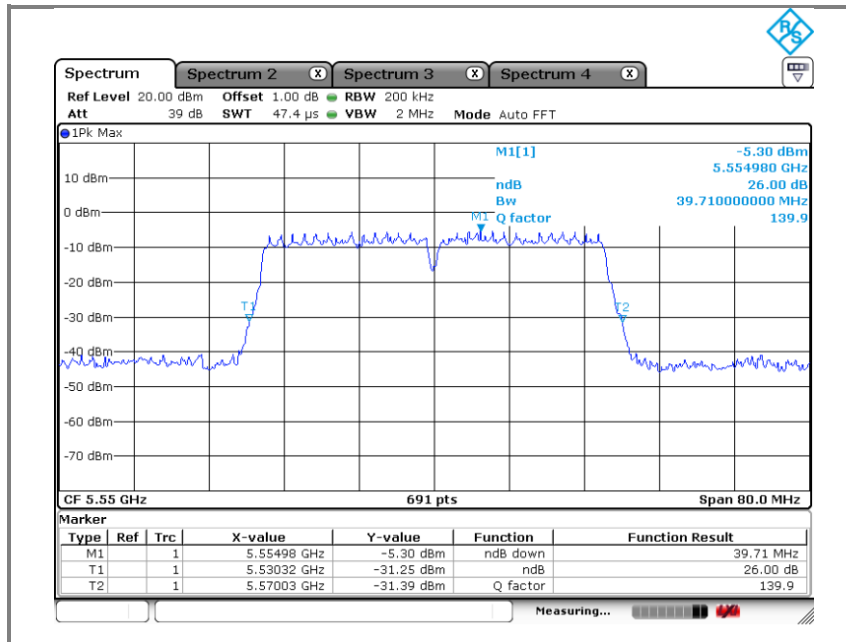
A. Low channel(5510 MHz)- 26 dB bandwidth



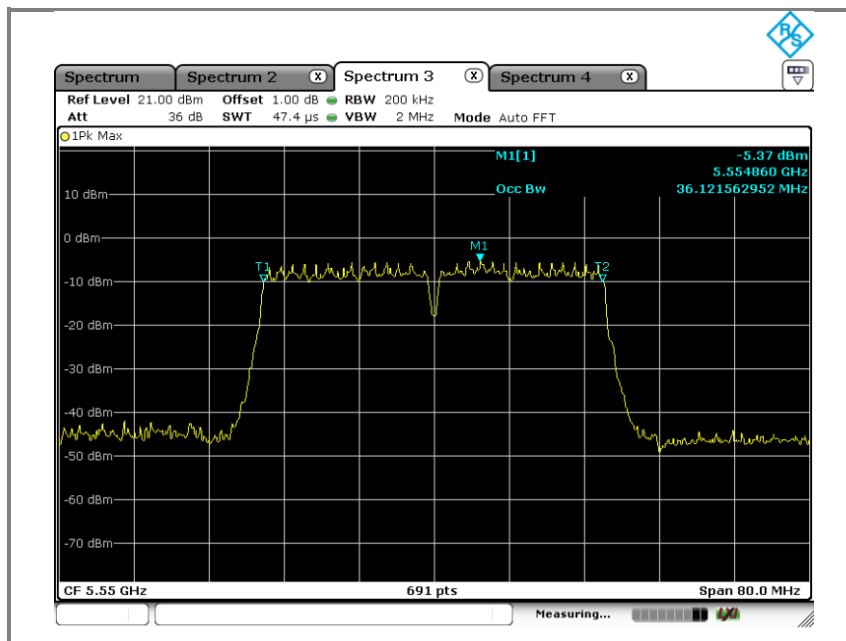
A. Low channel(5510 MHz)- 99% bandwidth



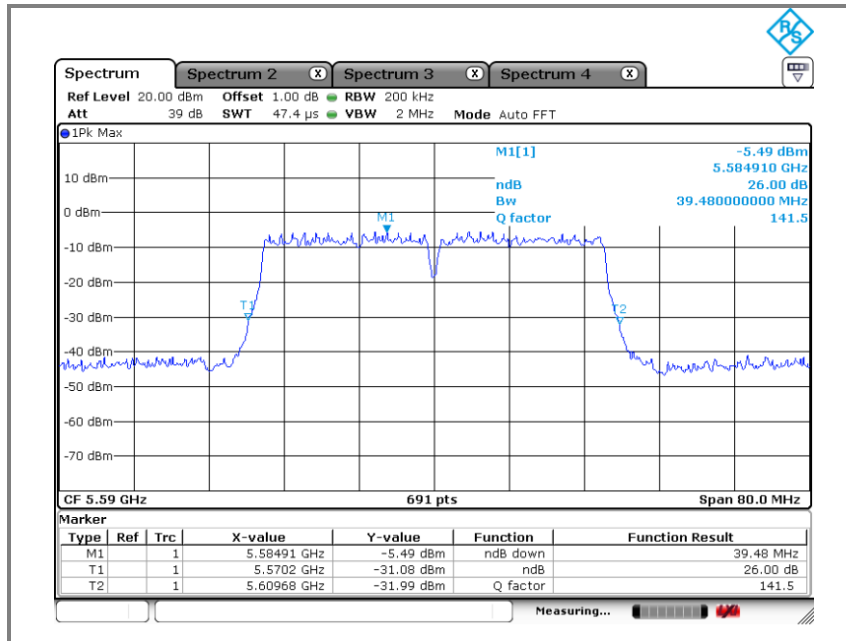
B. Middle channel(5550 MHz)- 26 dB bandwidth



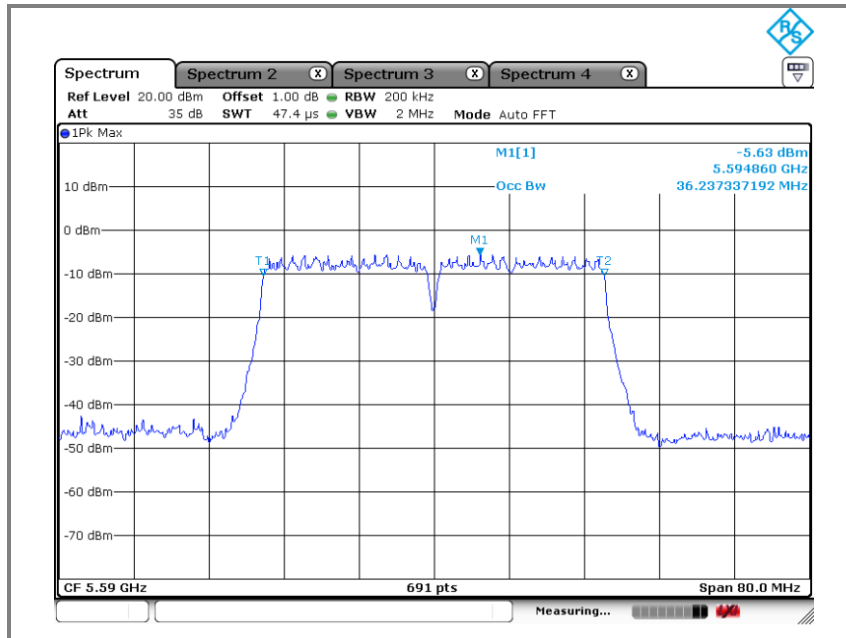
B. Middle channel(5550 MHz)- 99% bandwidth



C. High channel(5590 MHz)- 26 dB bandwidth

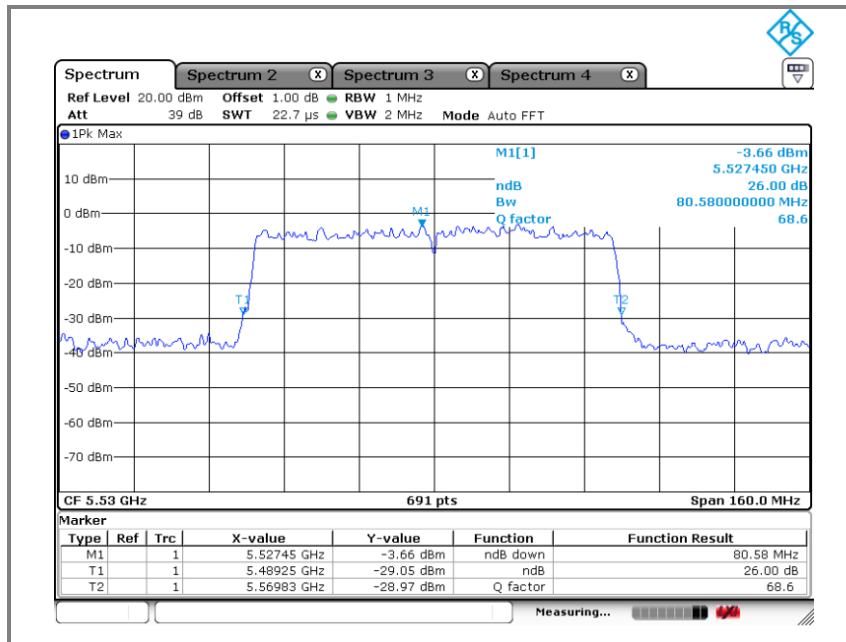


C. High channel(5590 MHz)- 99% bandwidth

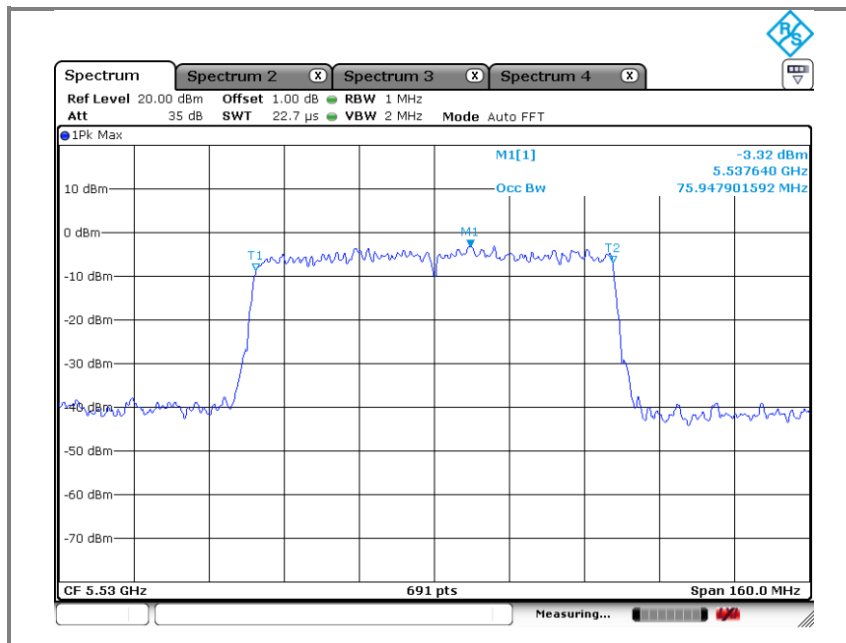


Operation mode: U-NII-2C(VHT80)

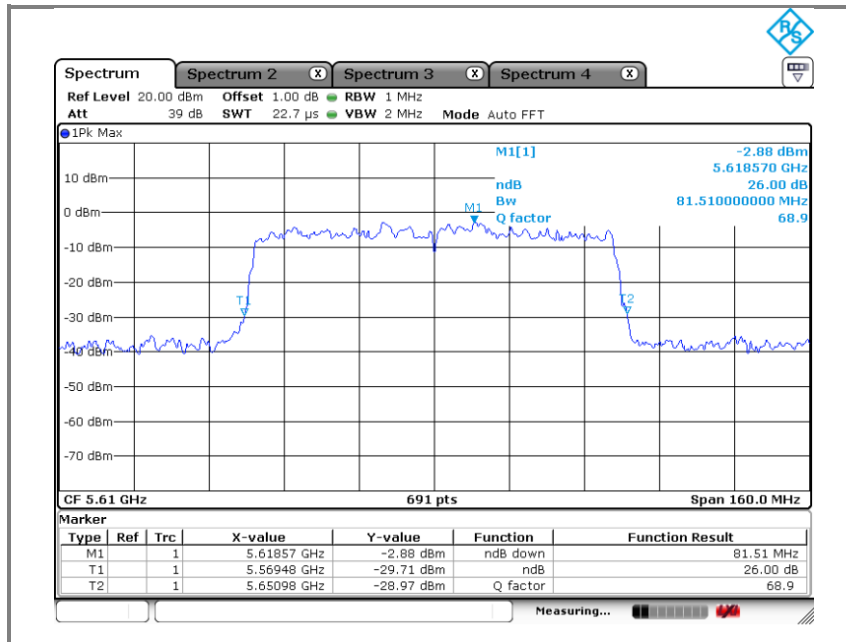
A. Low channel(5530 MHz)- 26 dB bandwidth



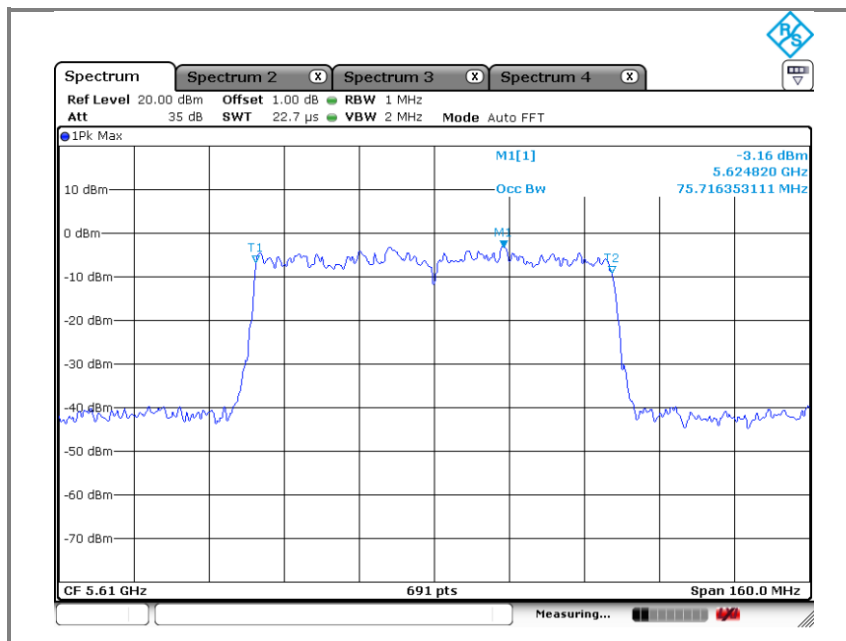
A. Low channel(5530 MHz)- 99% bandwidth



A. High channel(5610 MHz)- 26 dB bandwidth

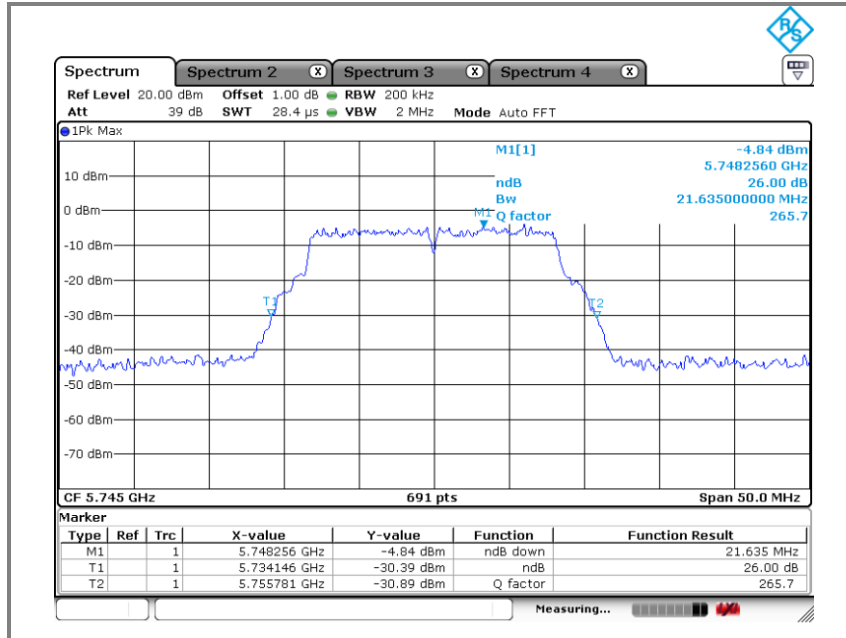


A. High channel(5610 MHz)- 99% bandwidth

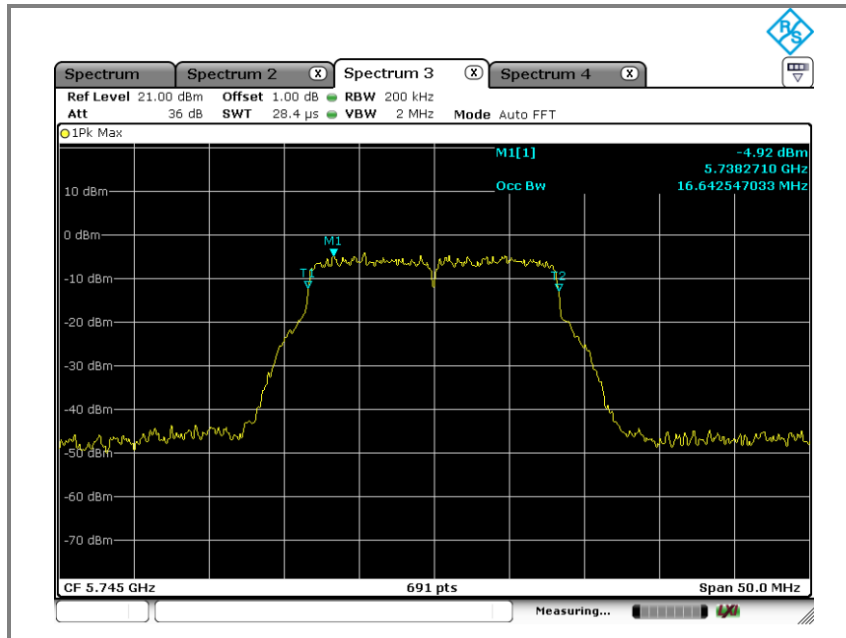


Operation mode: U-NII-3(802.11a)

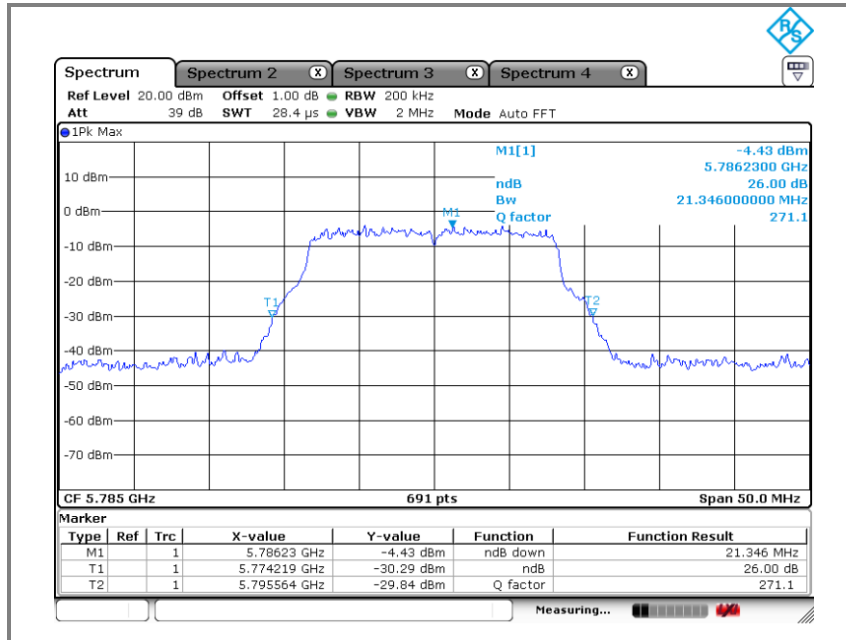
A. Low channel(5745 MHz)- 26 dB bandwidth



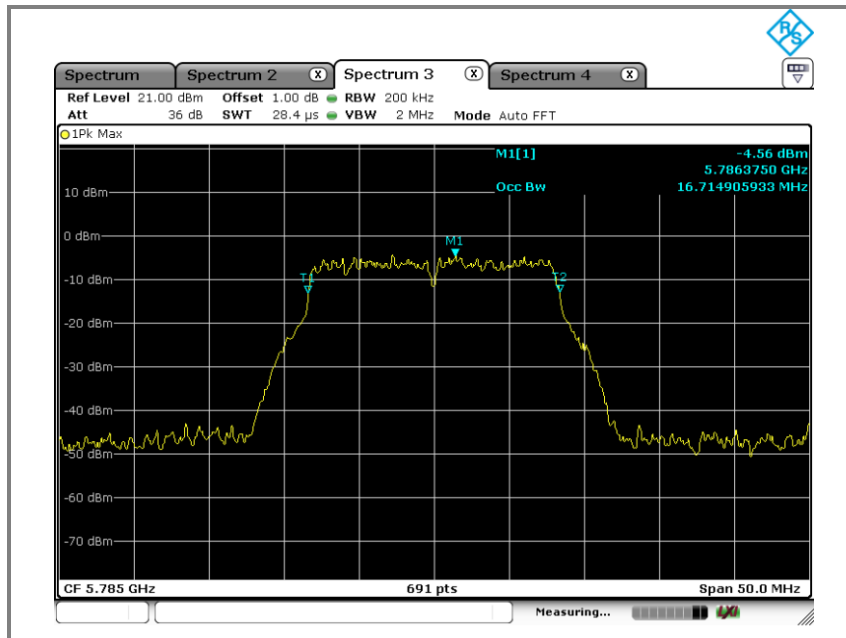
A. Low channel(5745 MHz)- 99% bandwidth



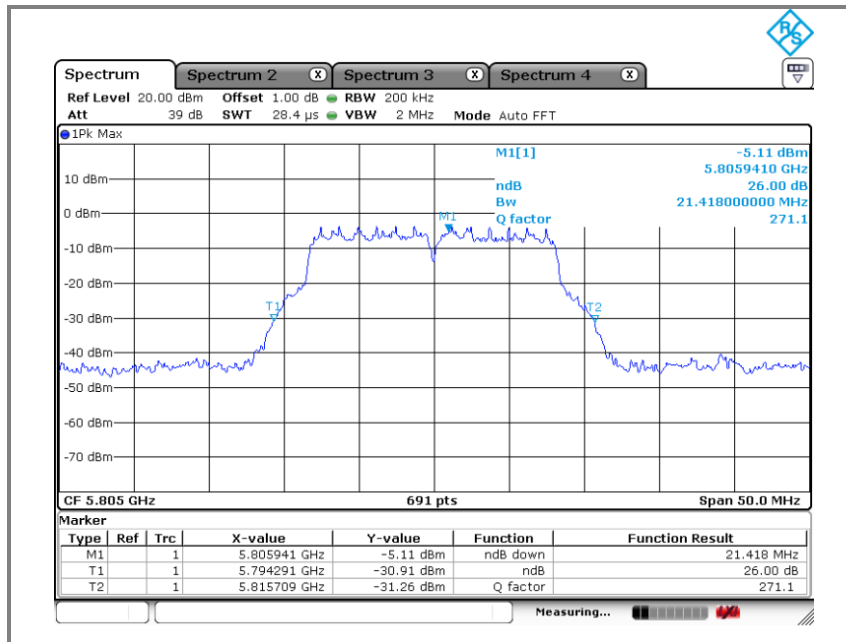
B. Middle channel(5785 MHz)- 26 dB bandwidth



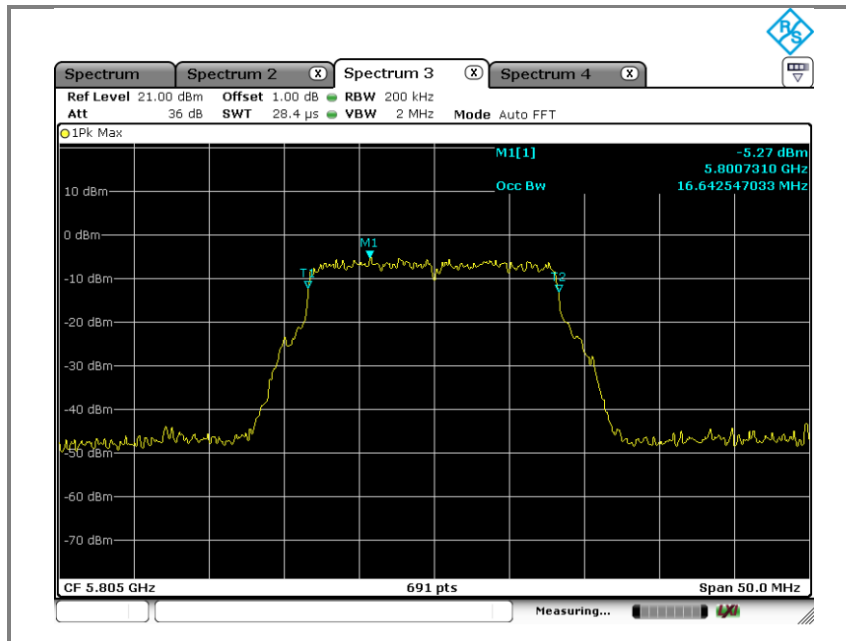
B. Middle channel(5785 MHz)- 99% bandwidth



C. High channel(5805 MHz)- 26 dB bandwidth

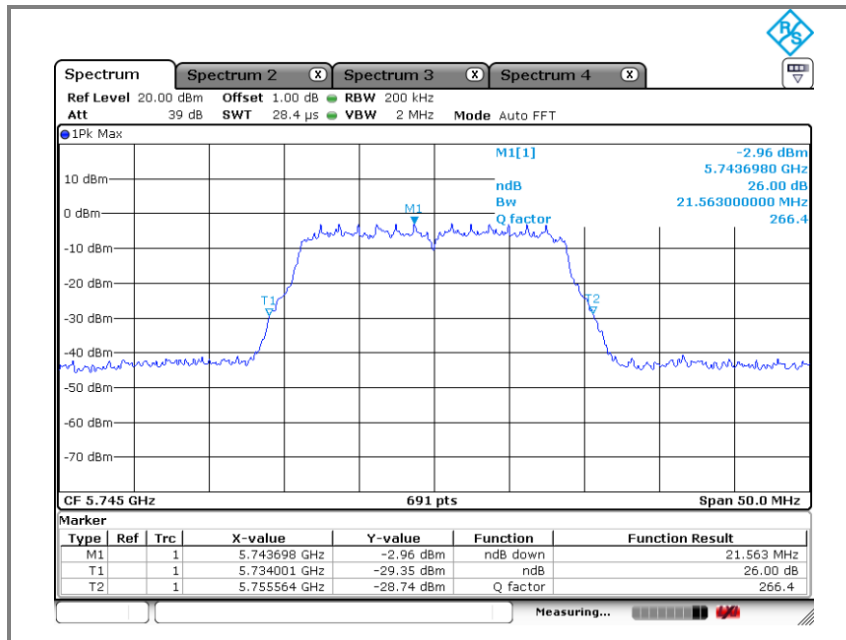


C. High channel(5805 MHz)- 99% bandwidth

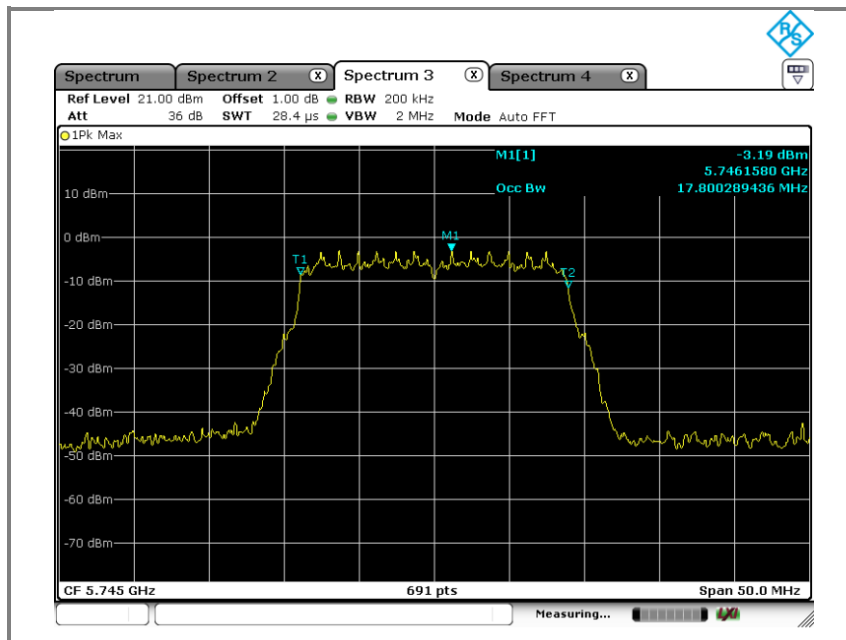


Operation mode: U-NII-3(n_HT20)

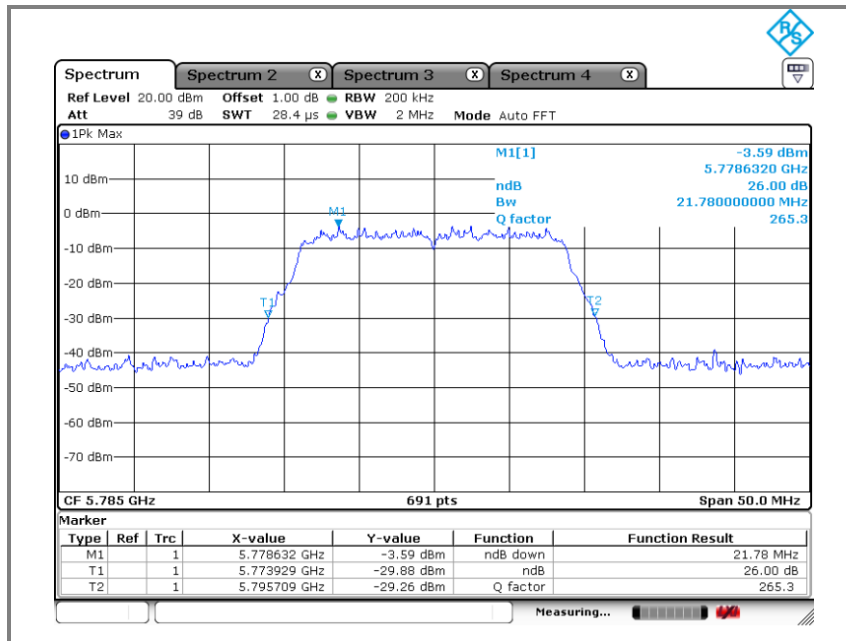
A. Low channel(5745 MHz)- 26 dB bandwidth



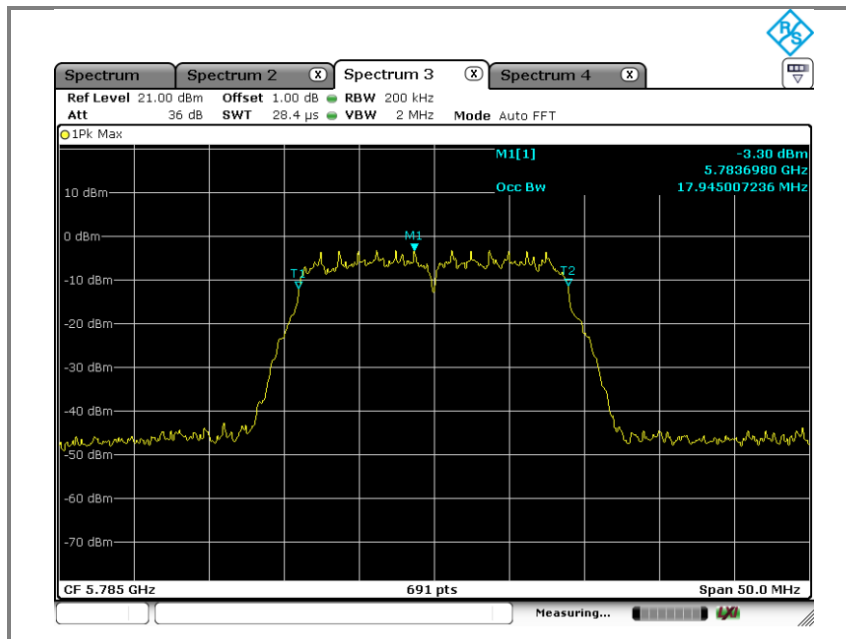
A. Low channel(5745 MHz)- 99% bandwidth



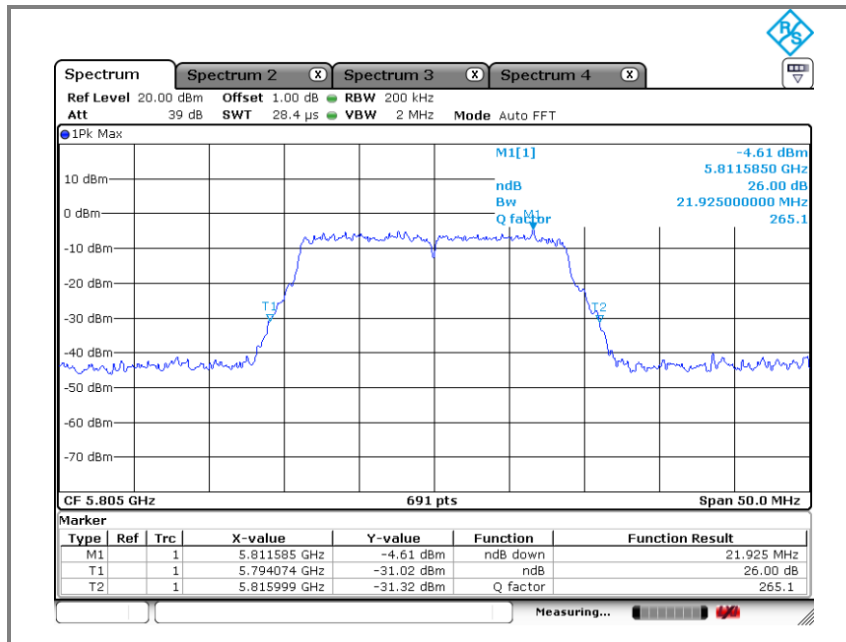
B. Middle channel(5785 MHz)- 26 dB bandwidth



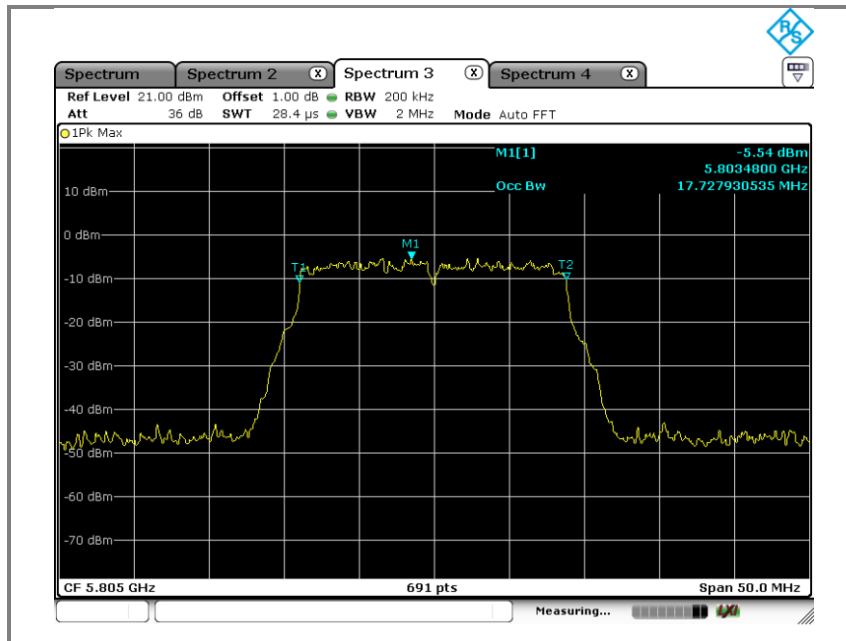
B. Middle channel(5785 MHz)- 99% bandwidth



C. High channel(5805 MHz)- 26 dB bandwidth

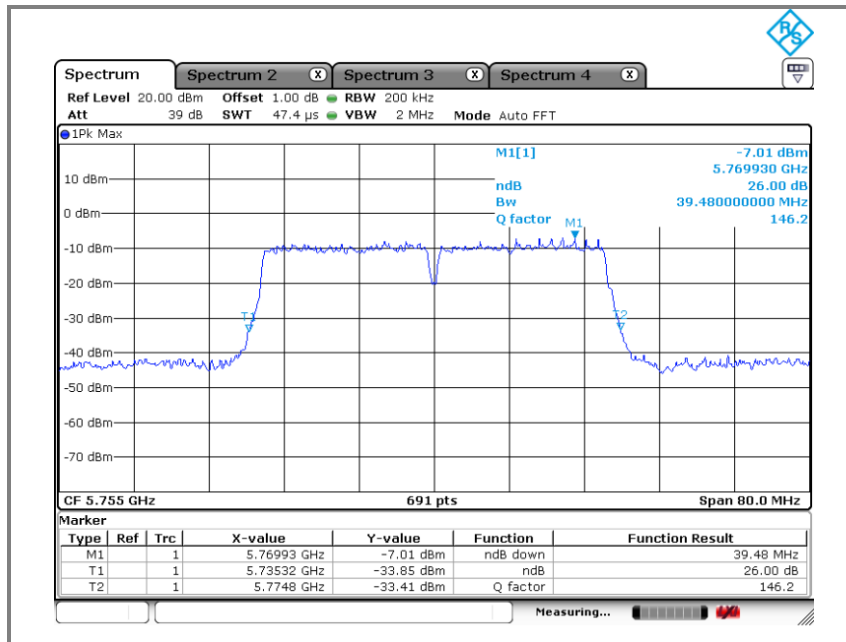


C. High channel(5805 MHz)- 99% bandwidth

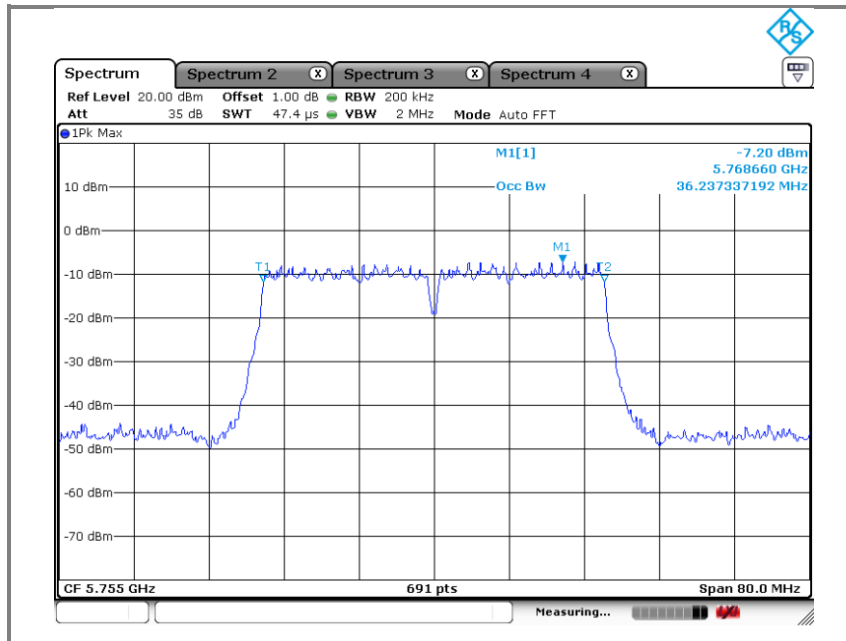


Operation mode: U-NII-3(n_HT40)

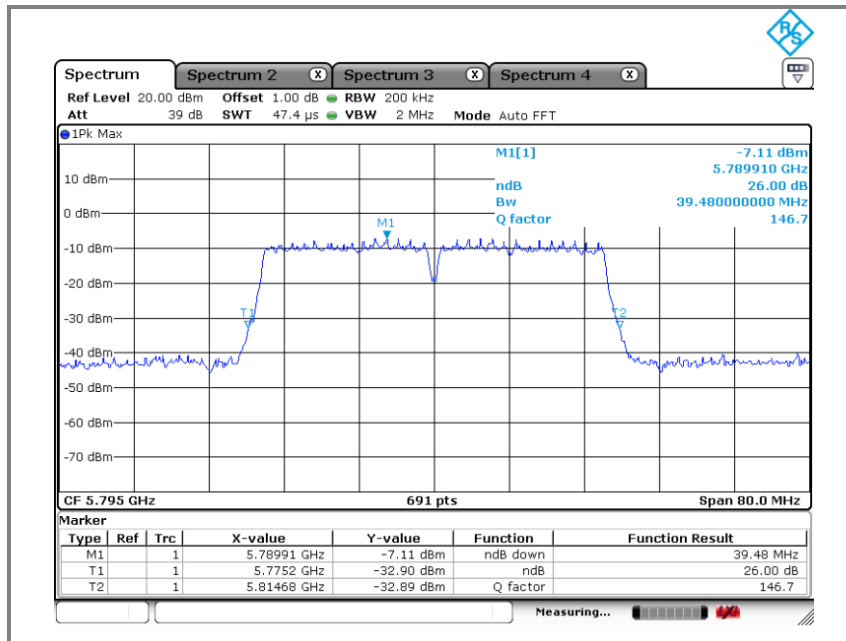
A. Low channel(5755 MHz)- 26 dB bandwidth



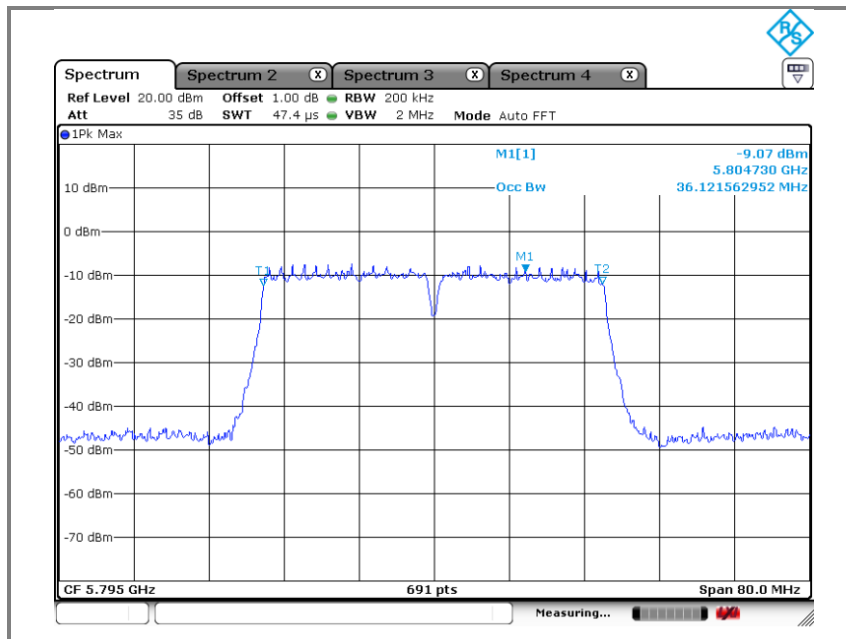
A. Low channel(5755 MHz)- 99% bandwidth



B. High channel(5795 MHz)- 26 dB bandwidth

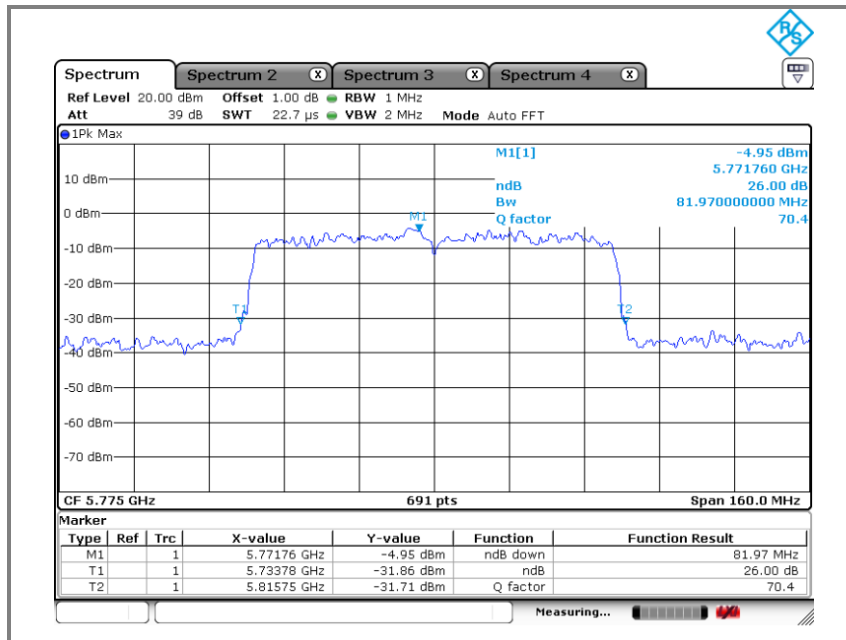


B. High channel(5795 MHz)- 99% bandwidth



Operation mode: U-NII-3(VHT80)

A. Low channel(5775 MHz)- 26 dB bandwidth



A. Low channel(5775 MHz)- 99% bandwidth

