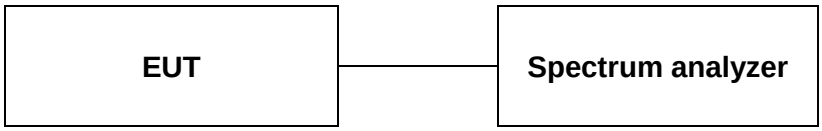
5. 26 dB and 99% bandwidth

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 per Form the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 26. The automatic bandwidth measurement function also has the capability of Stimultaneously 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℃
Relative humidity: 45% R.H.

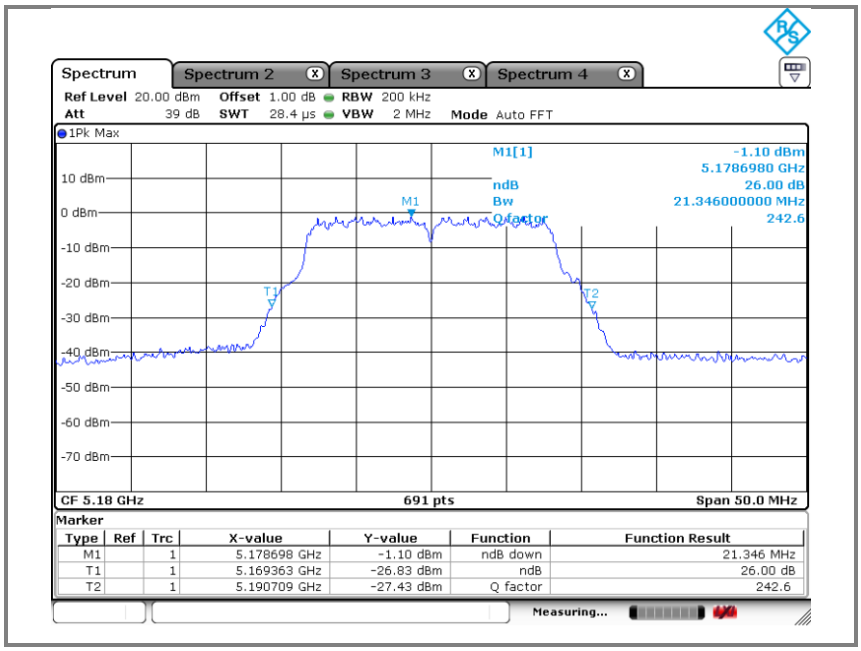
-Next Page

Mode	Frequency(㎒)	26 ㏈ bandwidth(㎒)	99% bandwidth(㎒)
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

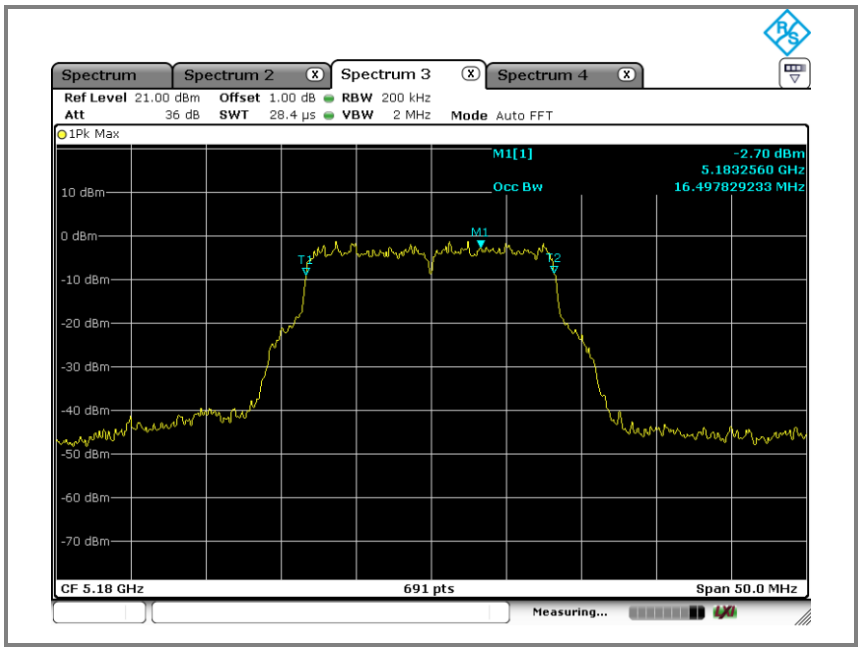
Mode	Frequency(㎒)	26 ㏈ bandwidth(㎒)	99% bandwidth(㎒)
U-NII-3(802.11a)	5 745	21.64	16.64
	5 785	21.35	16.71
	5 805	21.42	16.64
U-NII-3(n_HT20)	5 745	21.56	17.80
	5 785	21.78	17.95
	5 805	21.93	17.73
U-NII-3(n_HT40)	5 755	39.48	36.24
	5 795	39.48	36.12
U-NII-3(VHT80)	5 775	81.97	75.72

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

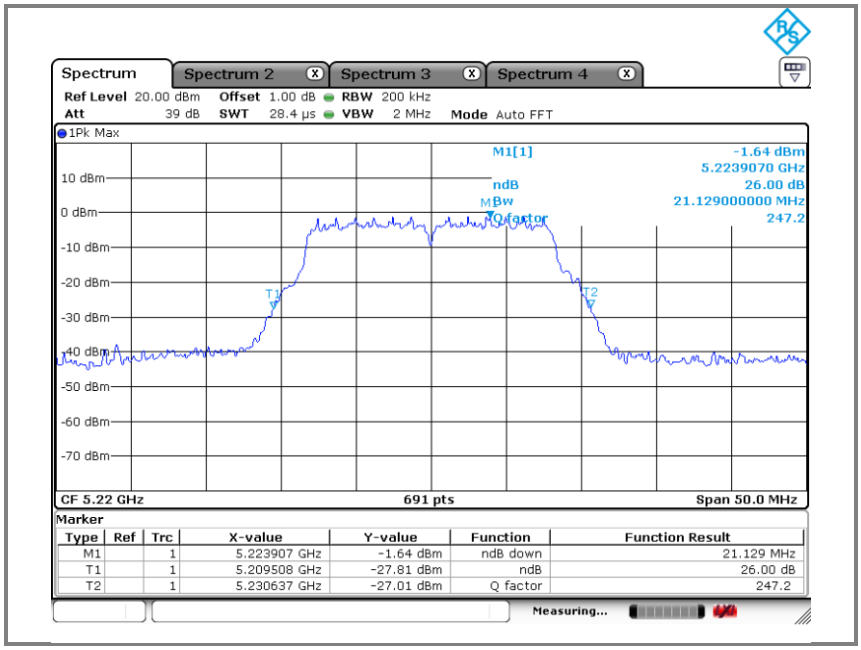
A. Low channel(5180 ㎒)- 26 ㏈ bandwidth



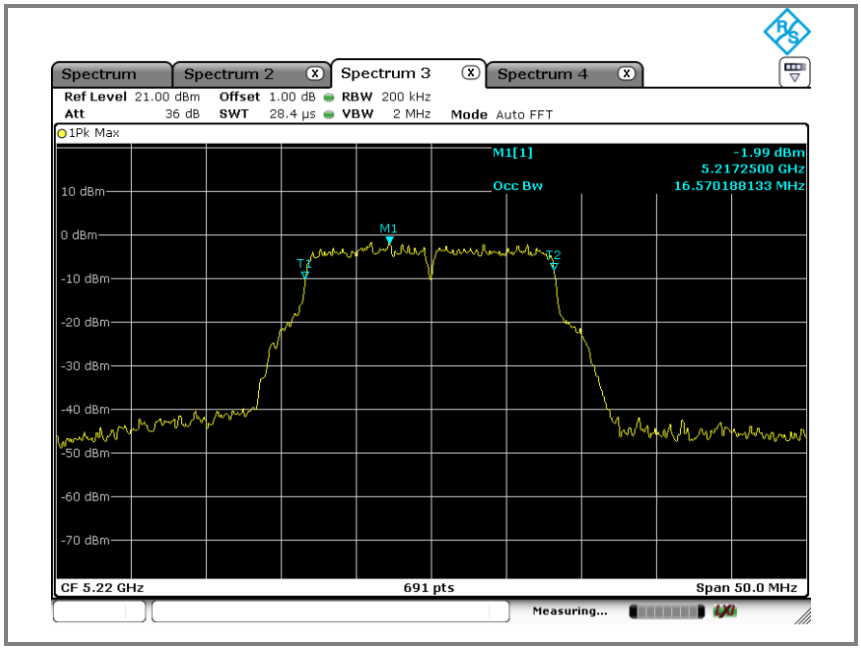
A. Low channel(5180 ㎒)– 99% bandwidth



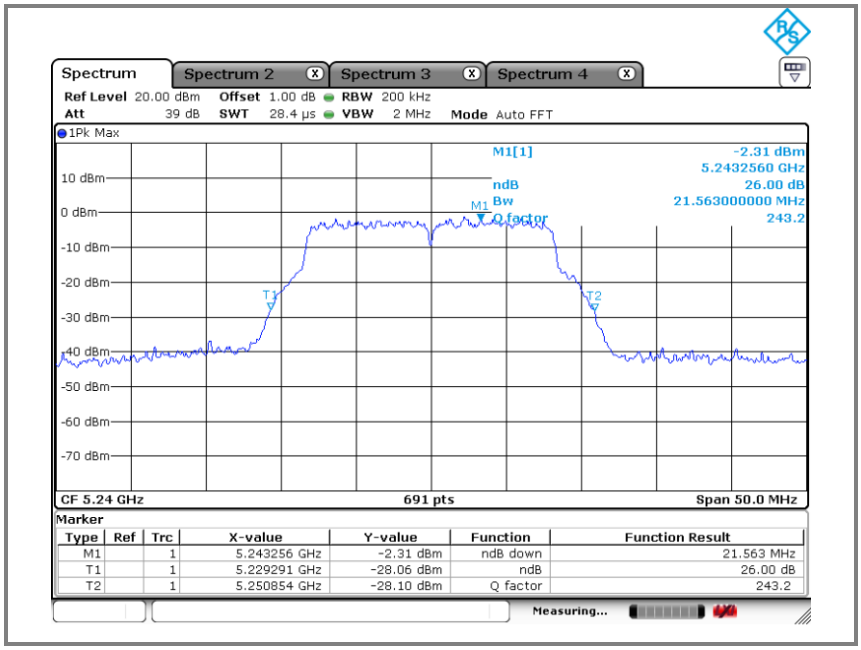
B. Middle channel(5220 ㎒)- 26 ㏈ bandwidth



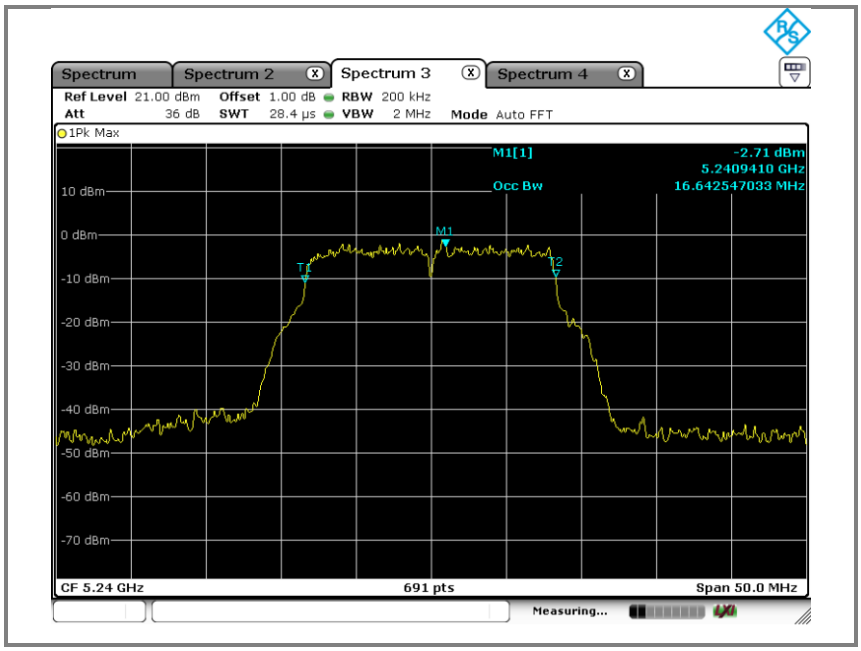
B. Middle channel(5220 ㎒)– 99% bandwidth



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

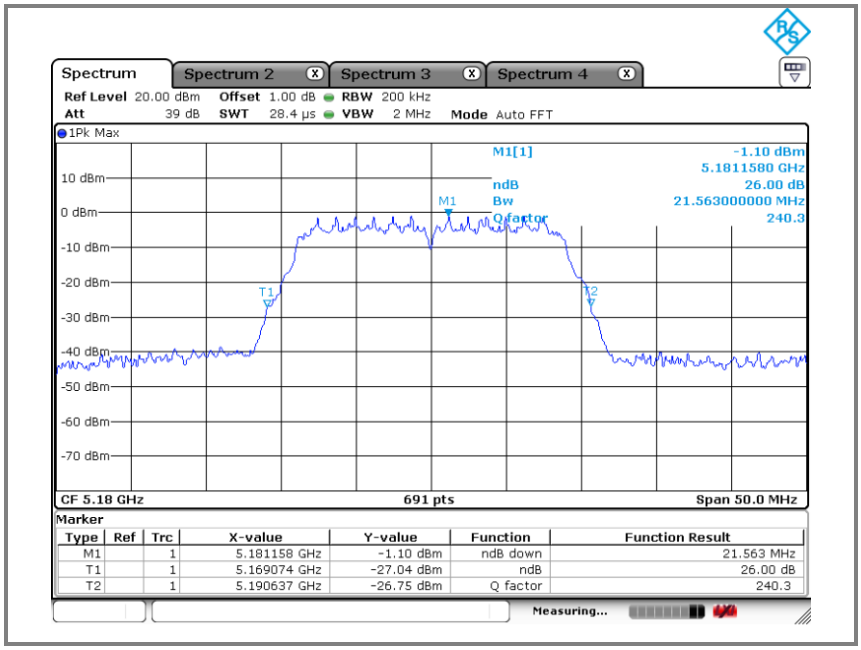


C. High channel(5240 ㎒)– 99% bandwidth

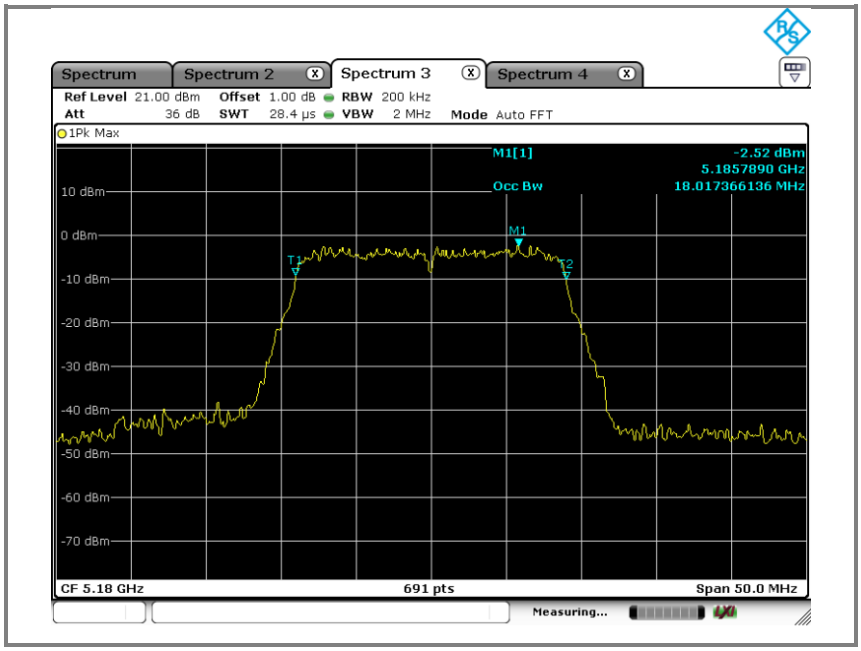


Operation mode: U-NII-1(n_HT20)

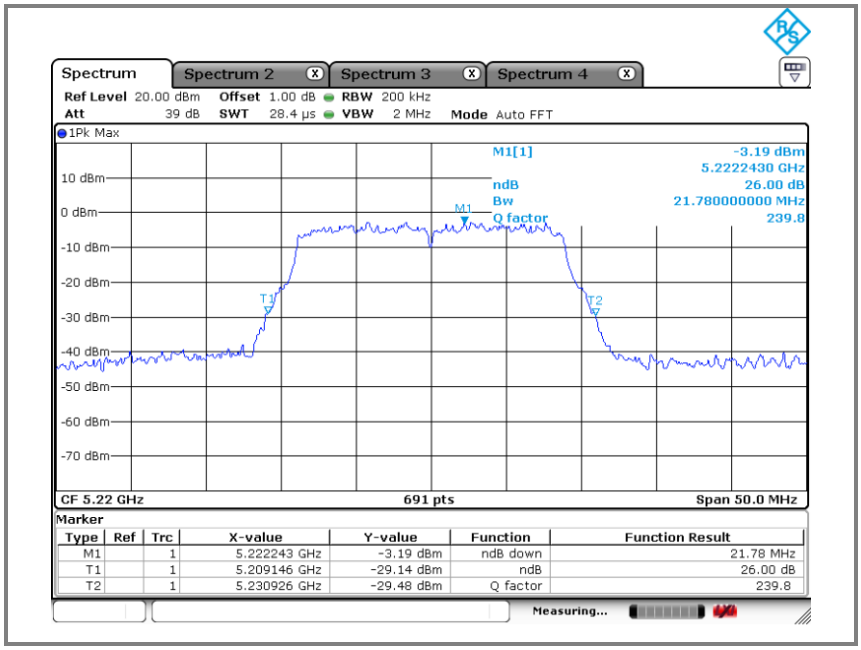
A. Low channel(5180 ㎒)- 26 ㏈ bandwidth



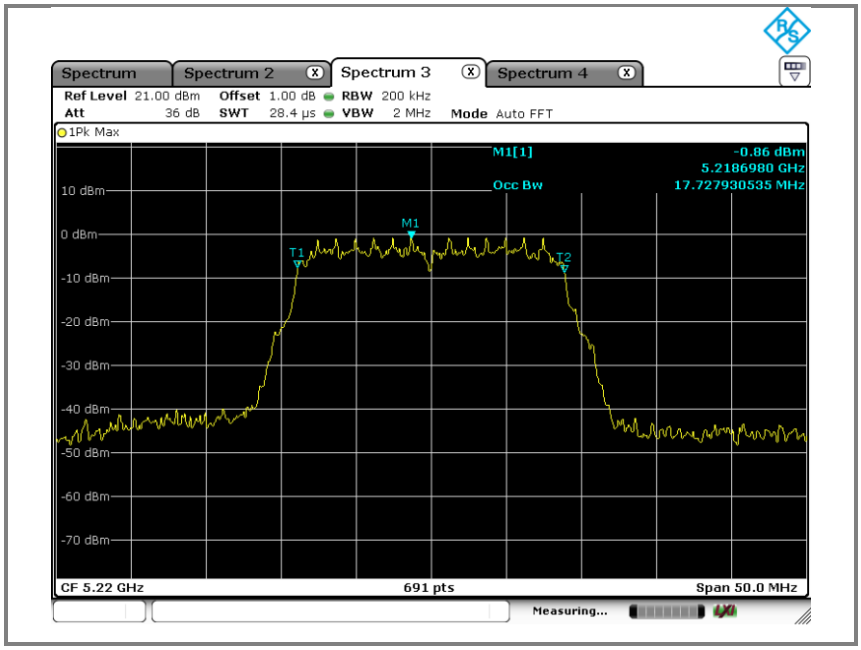
A. Low channel(5180 ㎒)– 99% bandwidth



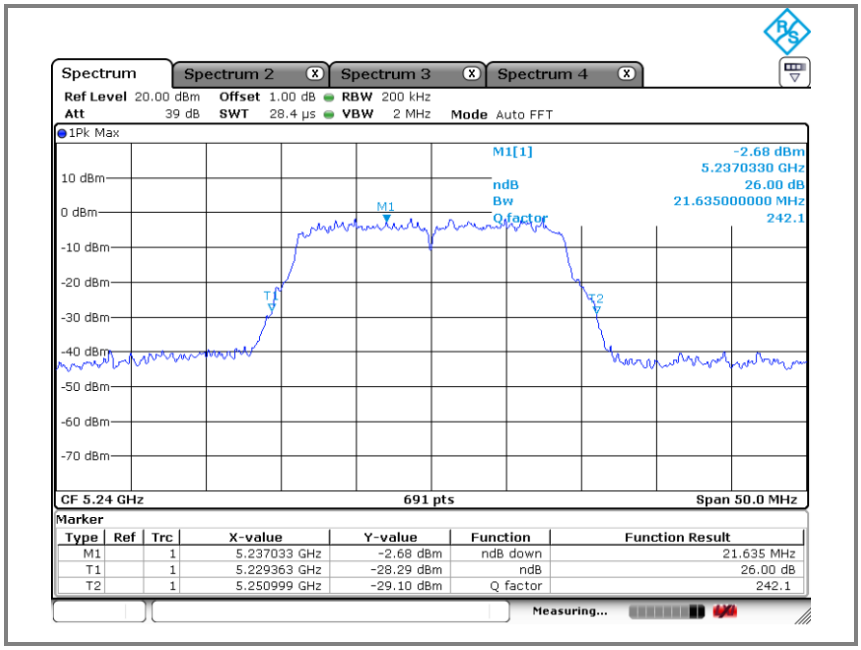
B. Middle channel(5220 ㎒)- 26 ㏈ bandwidth



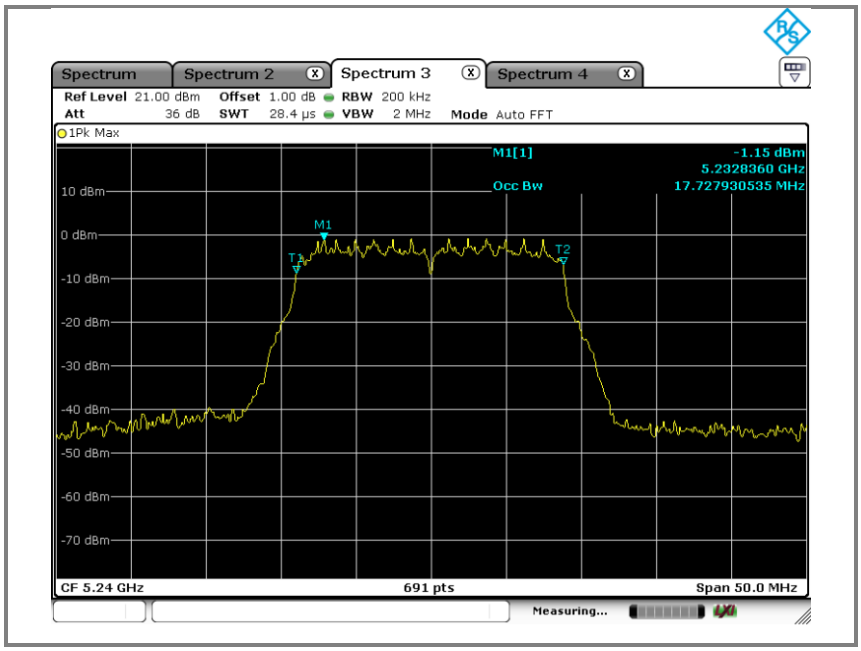
B. Middle channel(5220 ㎒)– 99% bandwidth



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

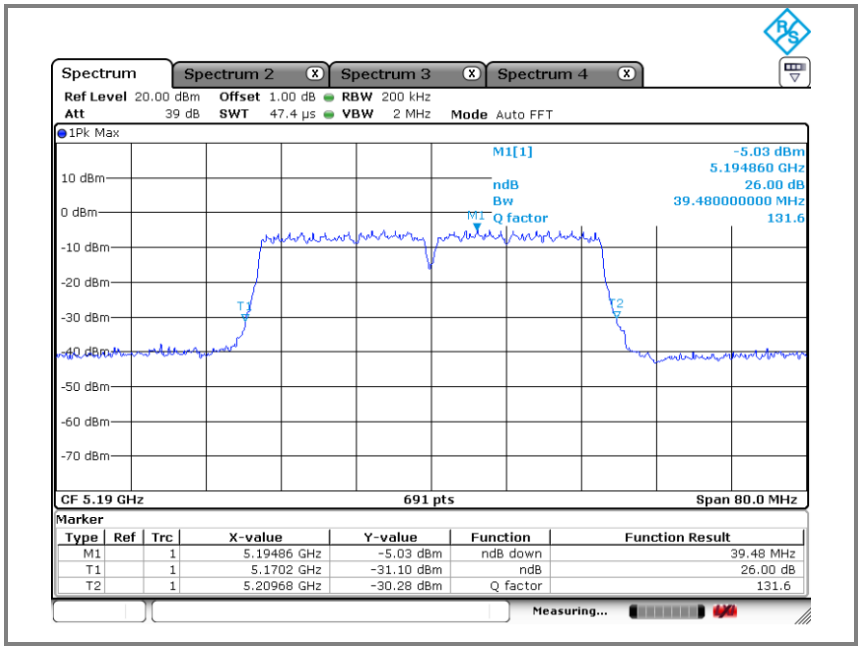


C. High channel(5240 ㎒)– 99% bandwidth

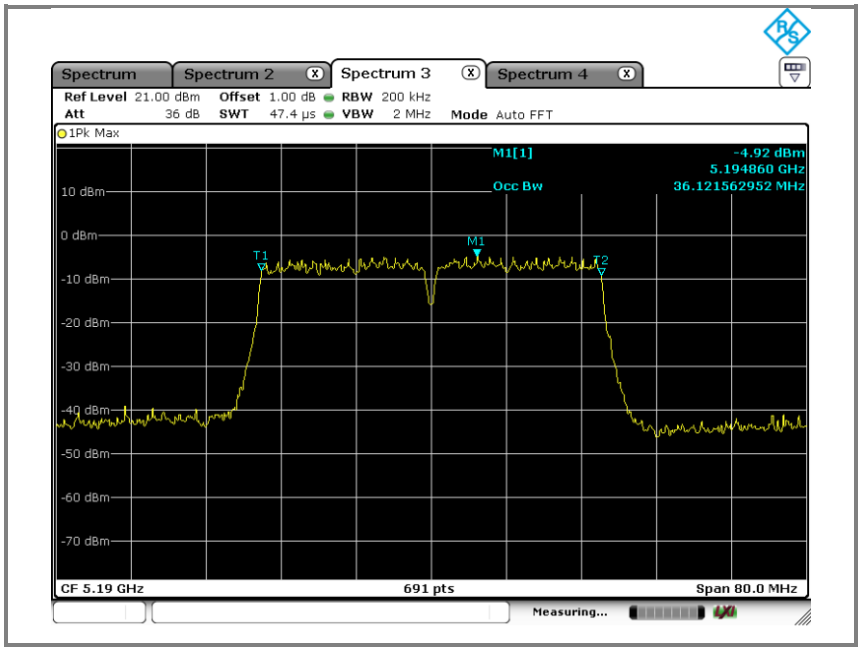


Operation mode: U-NII-1(n_HT40)

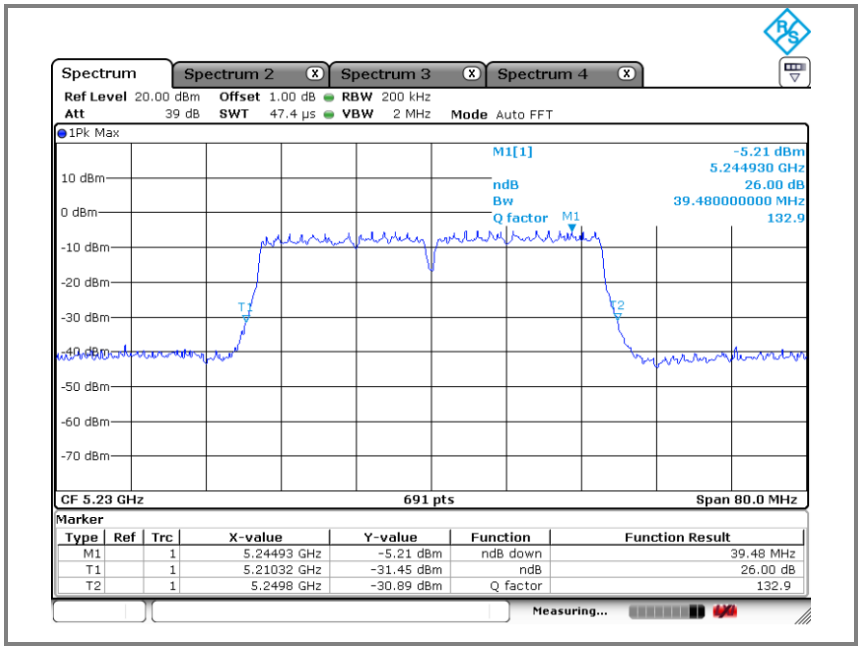
A. Low channel(5190 ㎒)- 26 ㏈ bandwidth



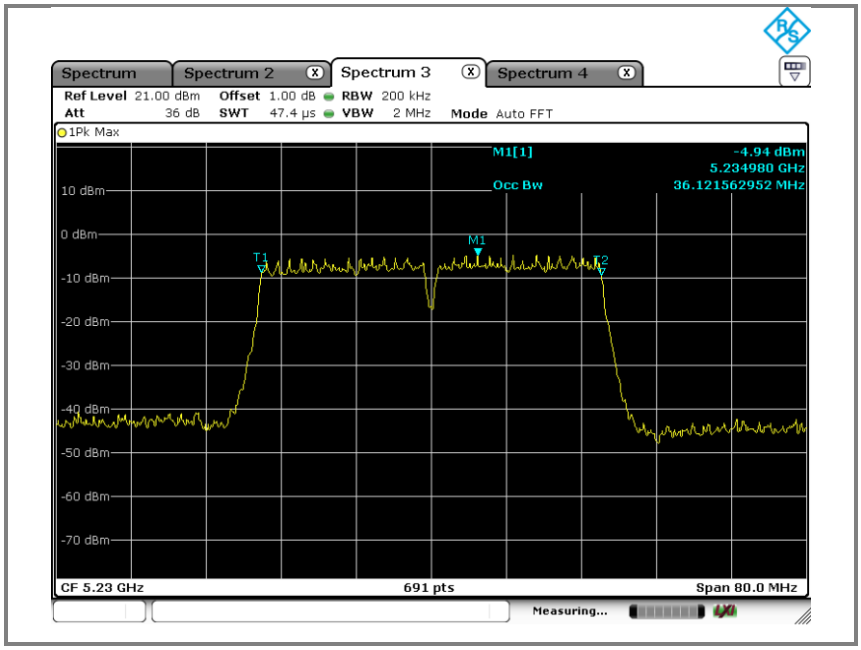
A. Low channel(5190 ㎒)– 99% bandwidth



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

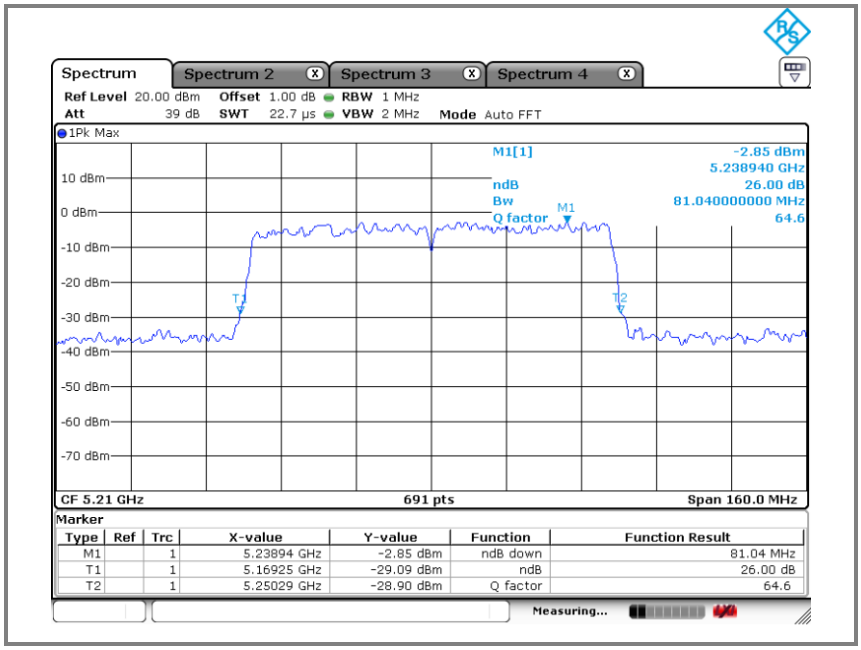


B. High channel(5230 ㎒)– 99% bandwidth

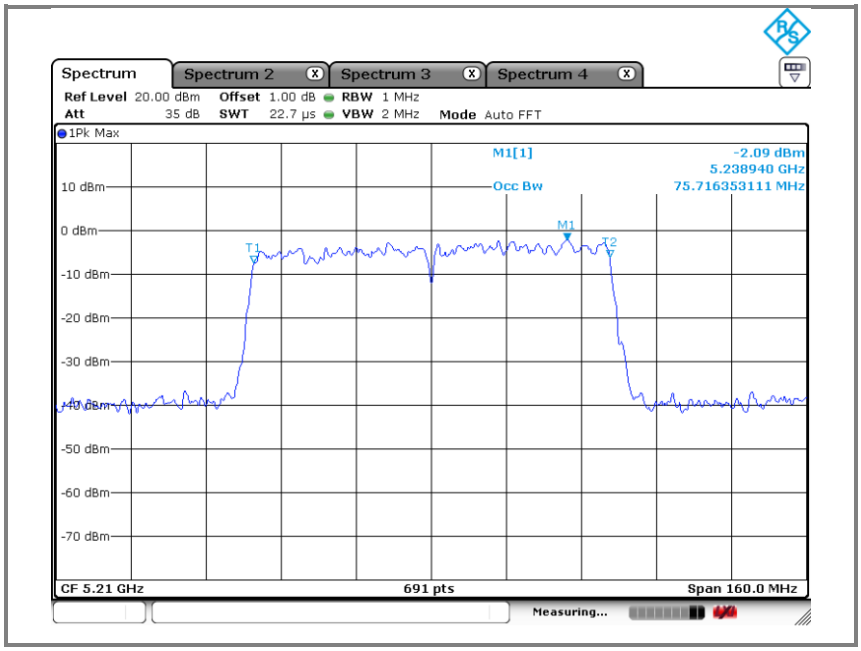


Operation mode: U-NII-1(VHT80)

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

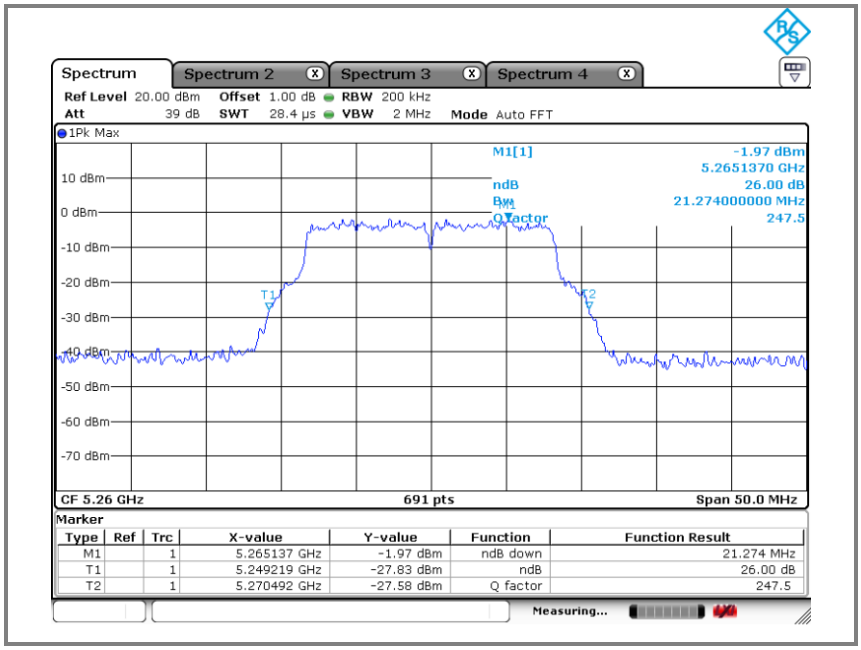


A. Low channel(5210 ㎒)– 99% bandwidth

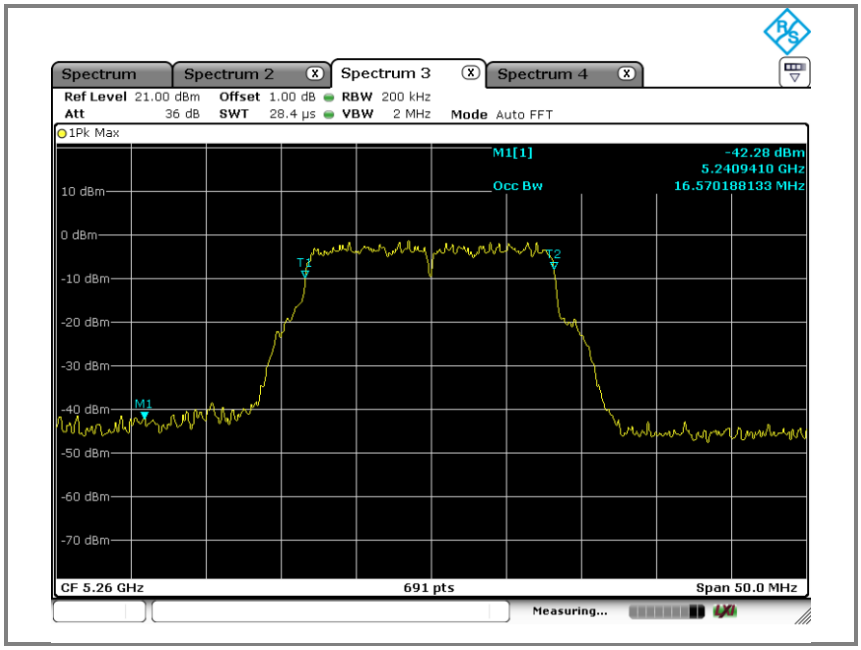


Operation mode: U-NII-2A(802.11a)

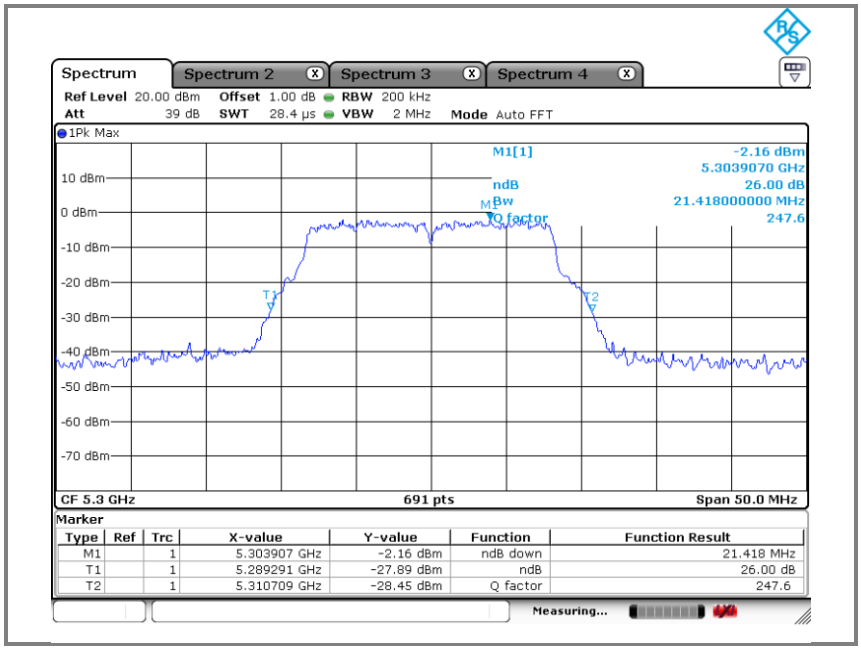
A. Low channel(5260 ㎒)- 26 ㏈ bandwidth



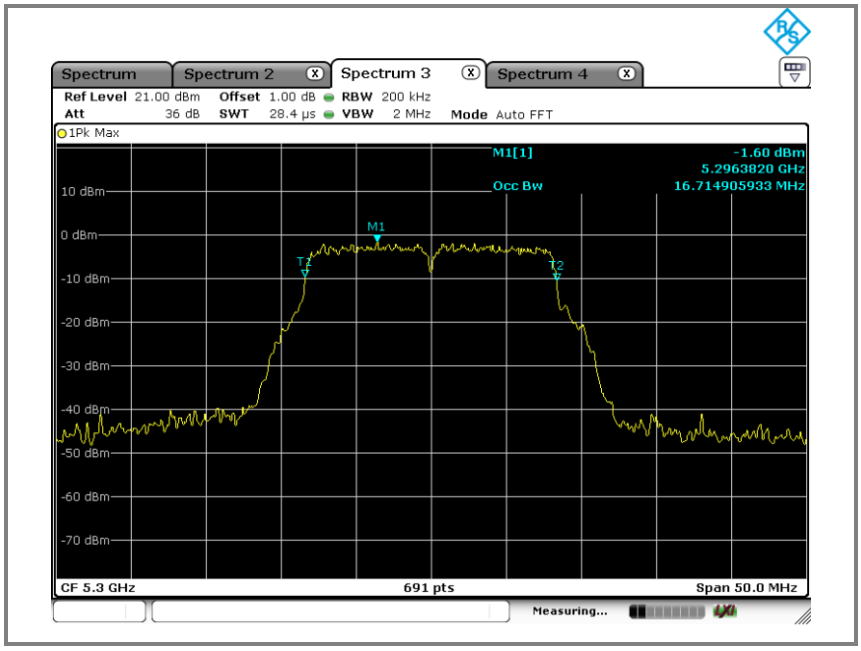
A. Low channel(5260 ㎒)– 99% bandwidth



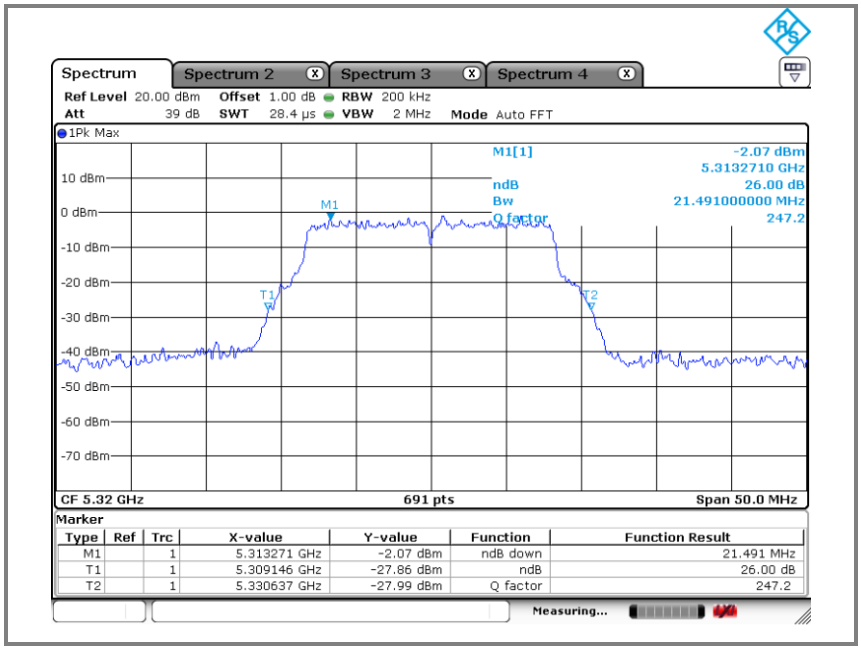
B. Middle channel(5300 ㎒)- 26 ㏈ bandwidth



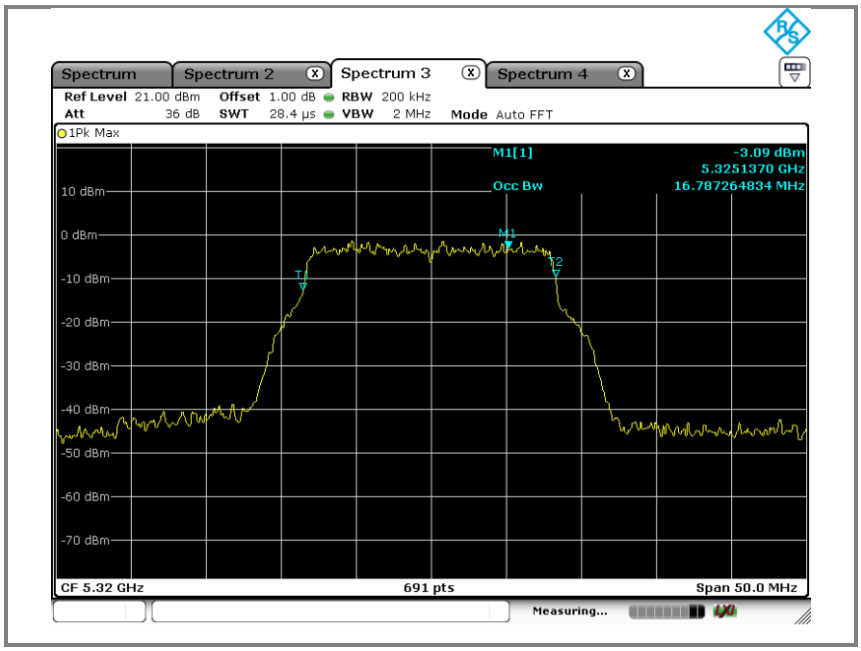
B. Middle channel(5300 ㎒)– 99% bandwidth



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

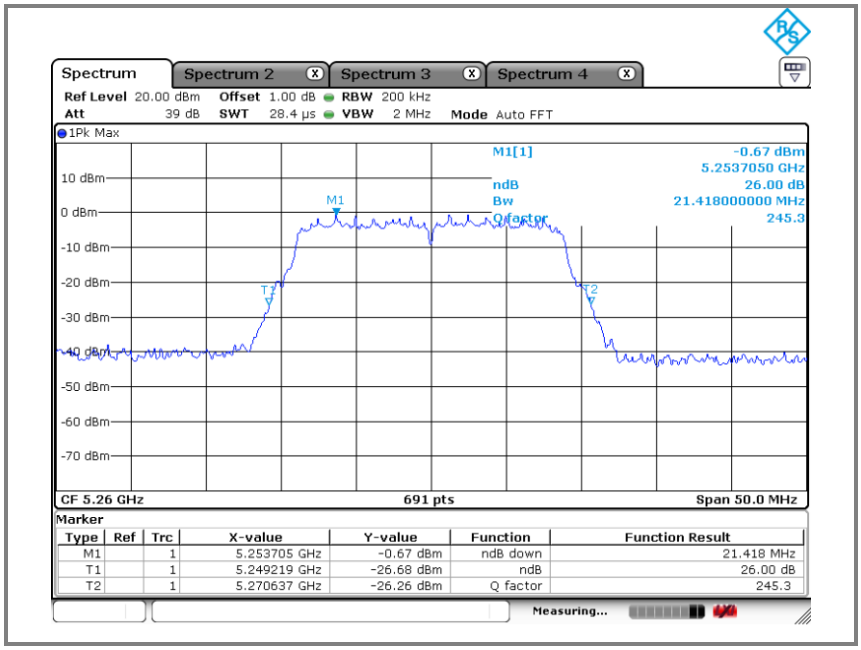


C. High channel(5320 ㎒)– 99% bandwidth

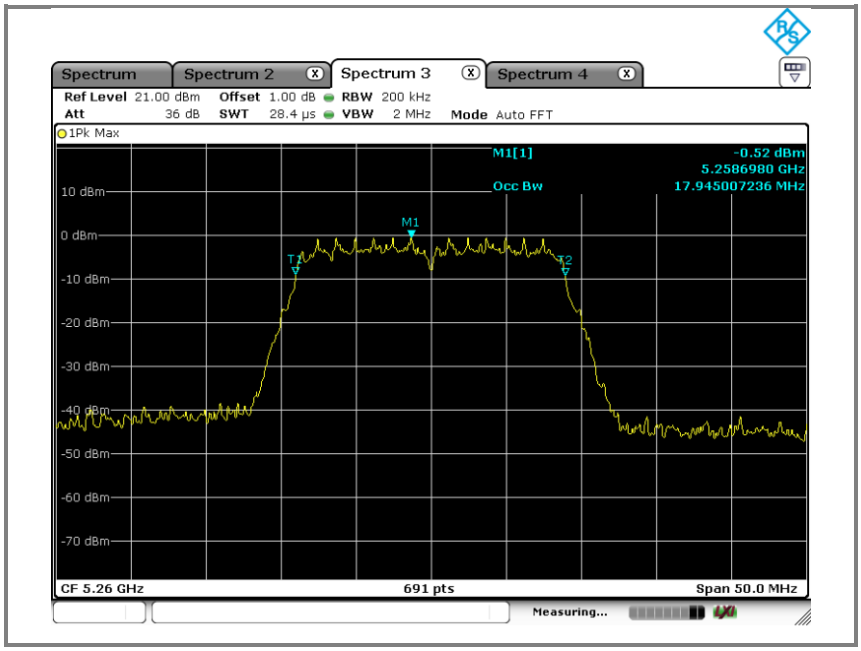


Operation mode: U-NII-2A(n_HT20)

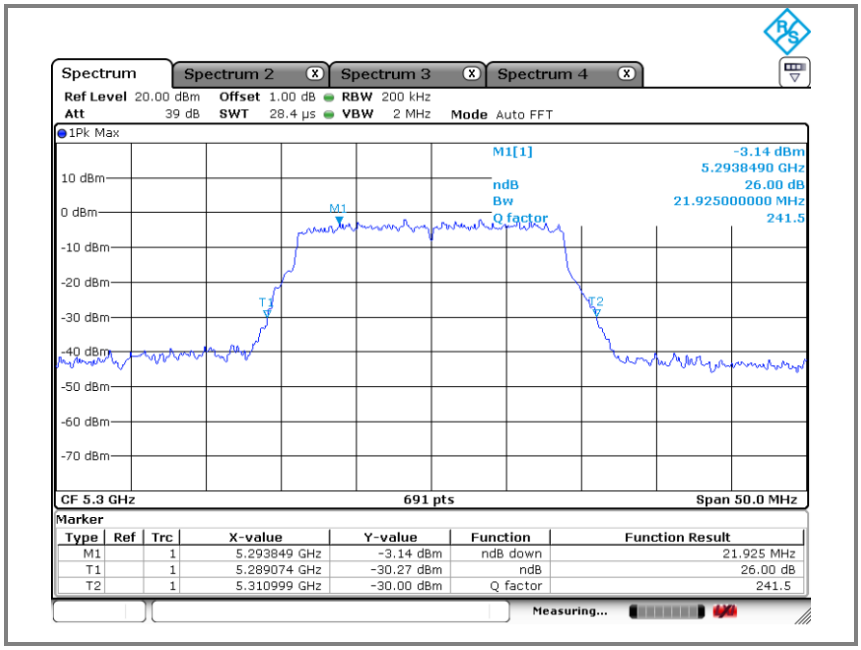
A. Low channel(5260 ㎒)- 26 ㏈ bandwidth



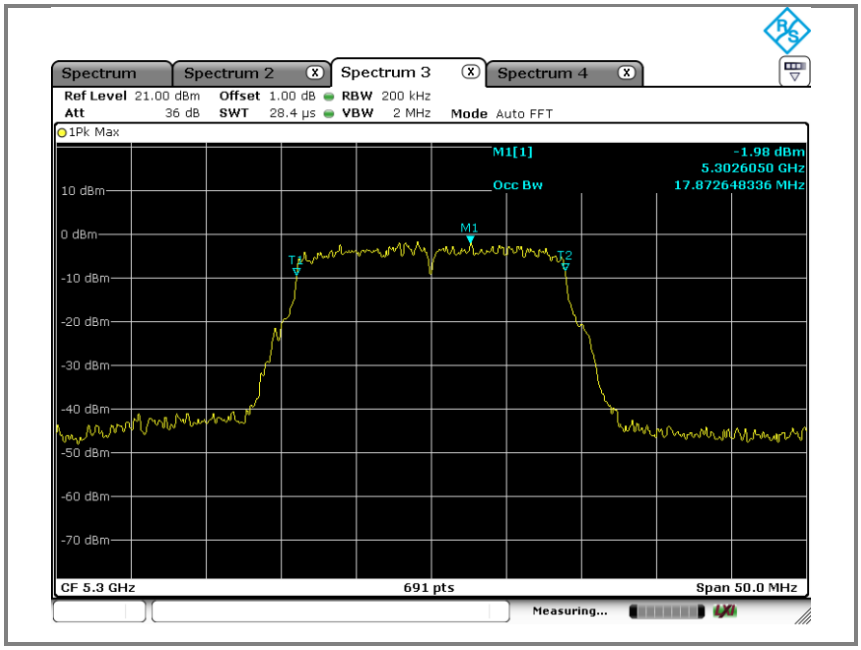
A. Low channel(5260 ㎒)– 99% bandwidth



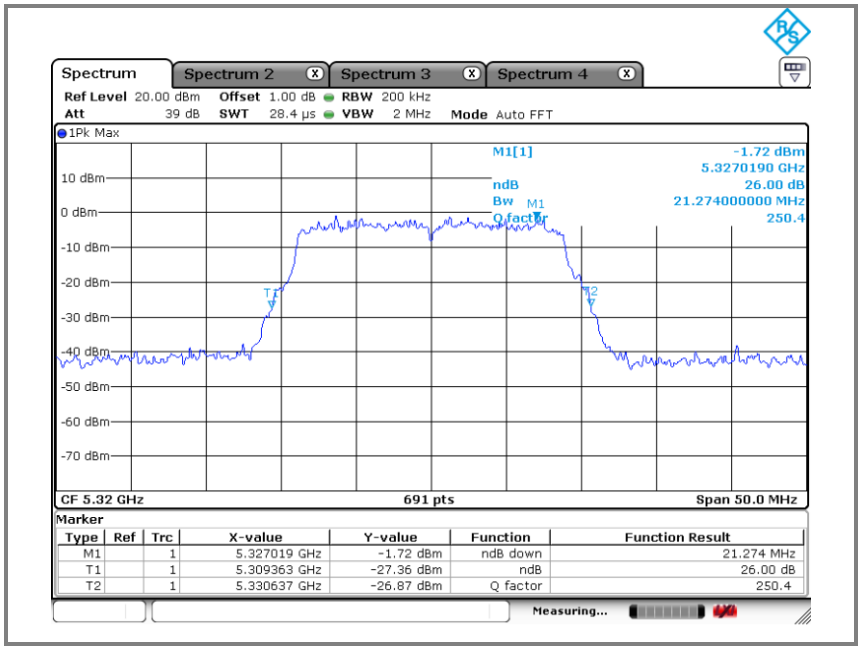
B. Middle channel(5300 ㎒)- 26 ㏈ bandwidth



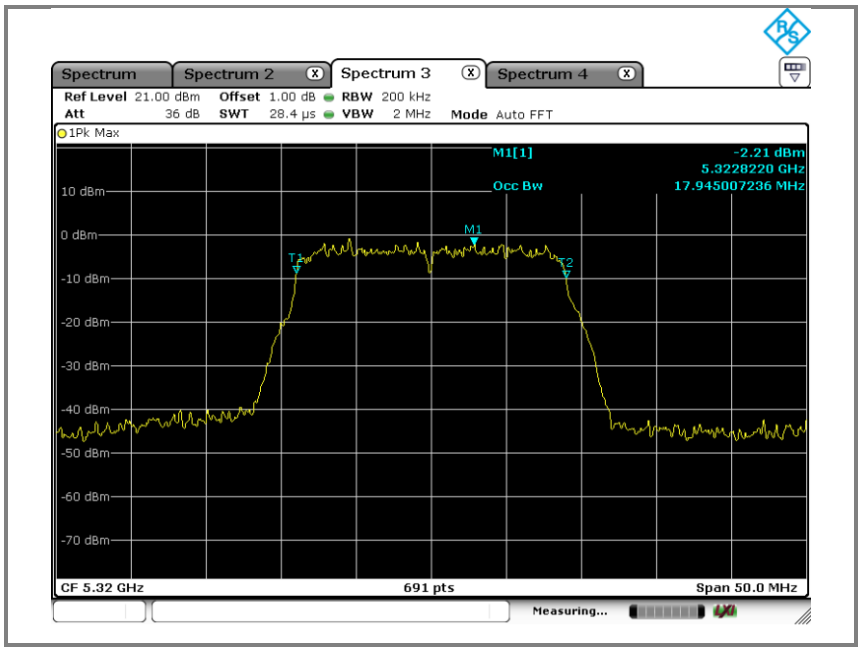
B. Middle channel(5300 ㎒)– 99% bandwidth



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

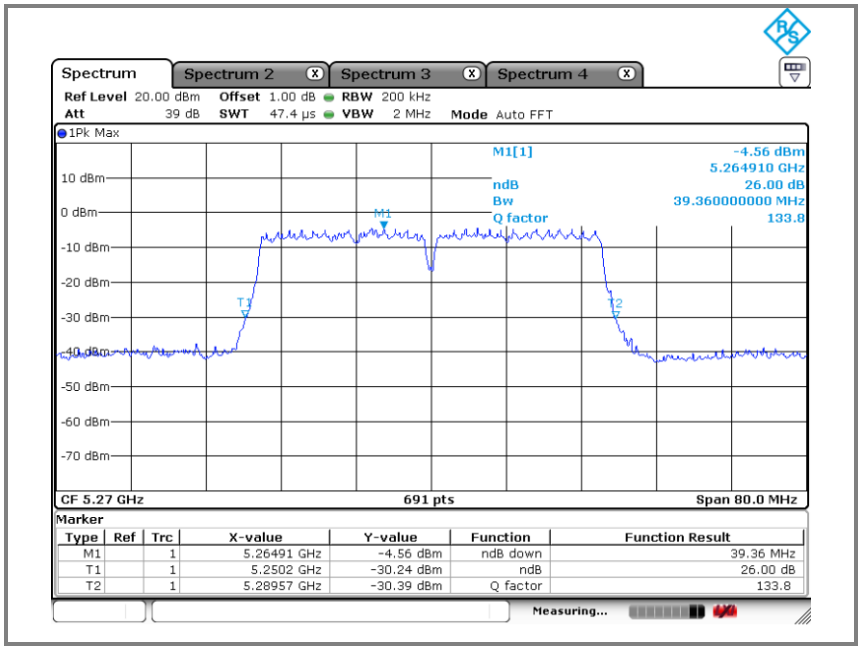


C. High channel(5320 ㎒)– 99% bandwidth

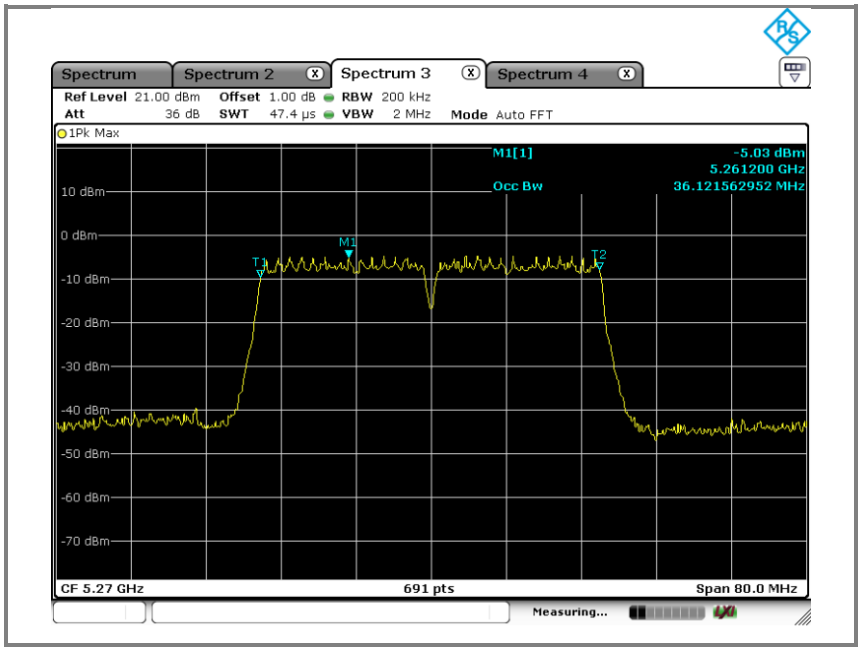


Operation mode: U-NII-2A(n_HT40)

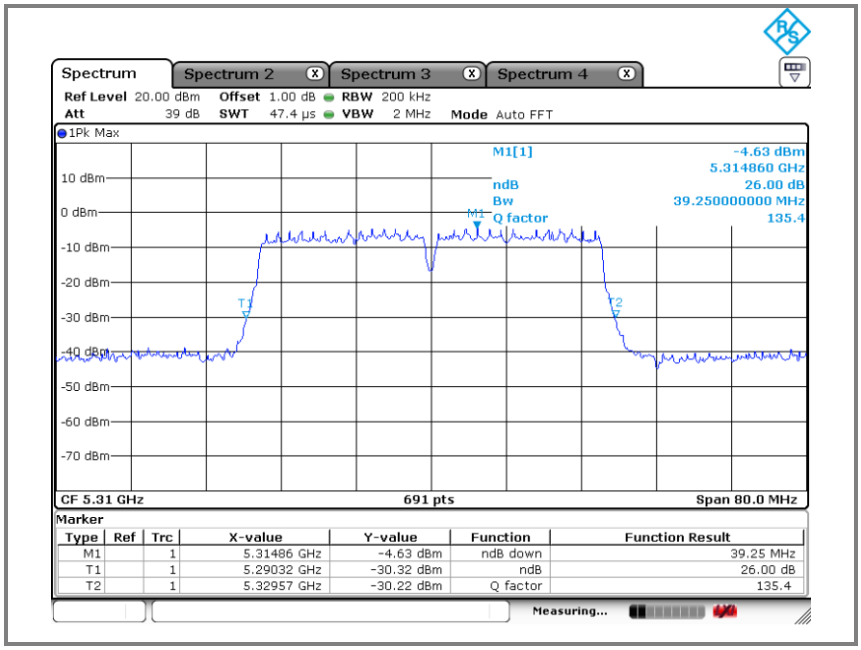
A. Low channel(5270 ㎒)- 26 ㏈ bandwidth



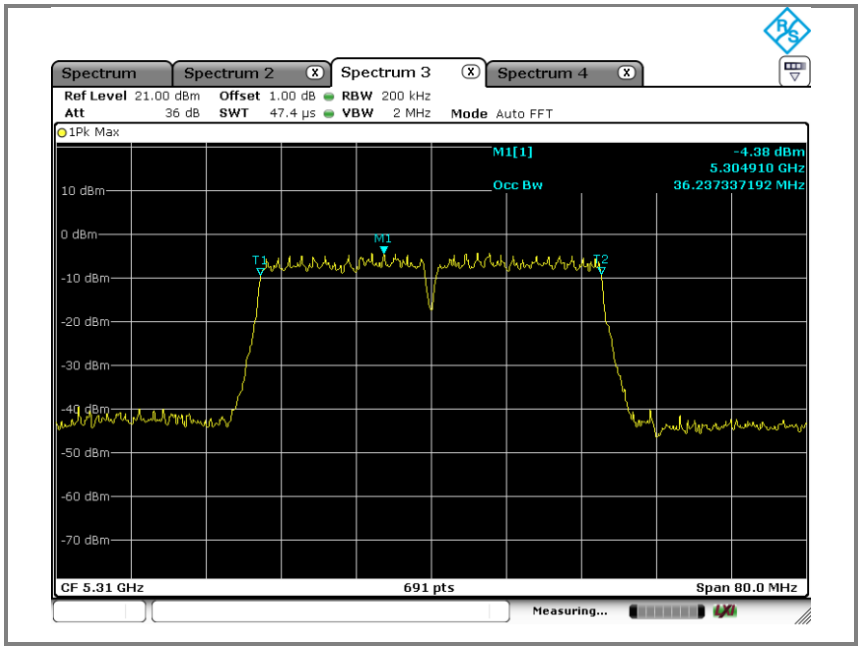
A. Low channel(5270 ㎒)– 99% bandwidth



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

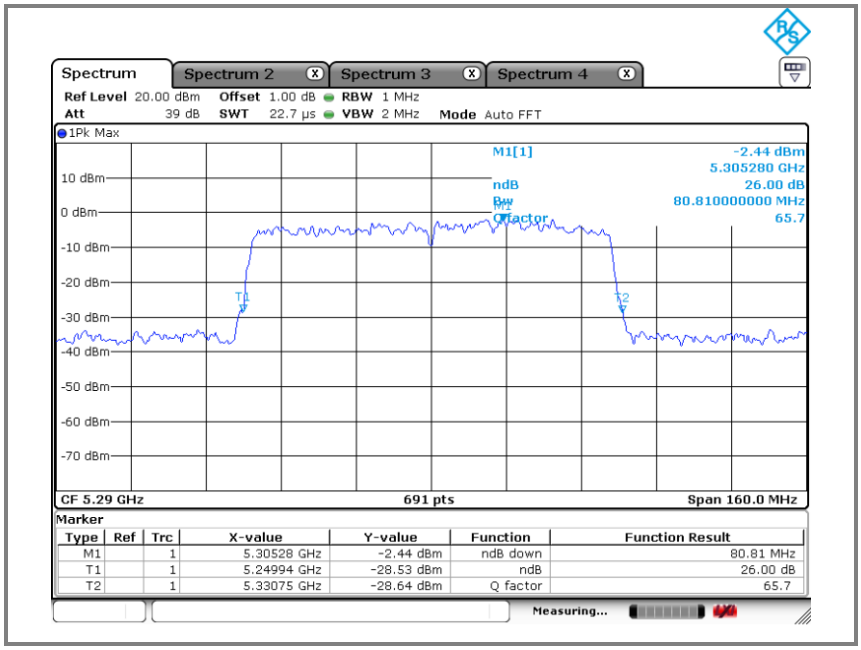


B. High channel(5310 ㎒)– 99% bandwidth

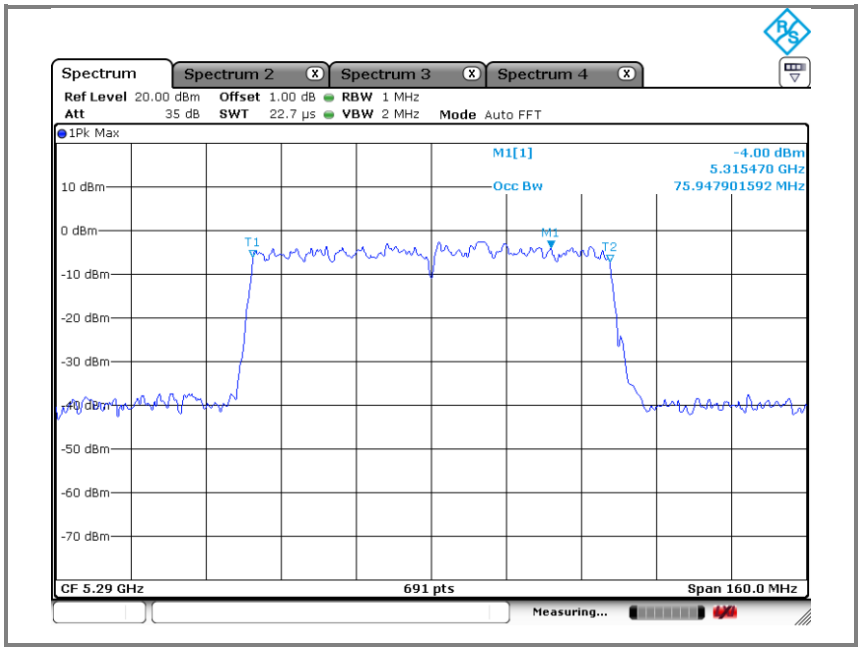


Operation mode: U-NII-2A(VHT80)

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

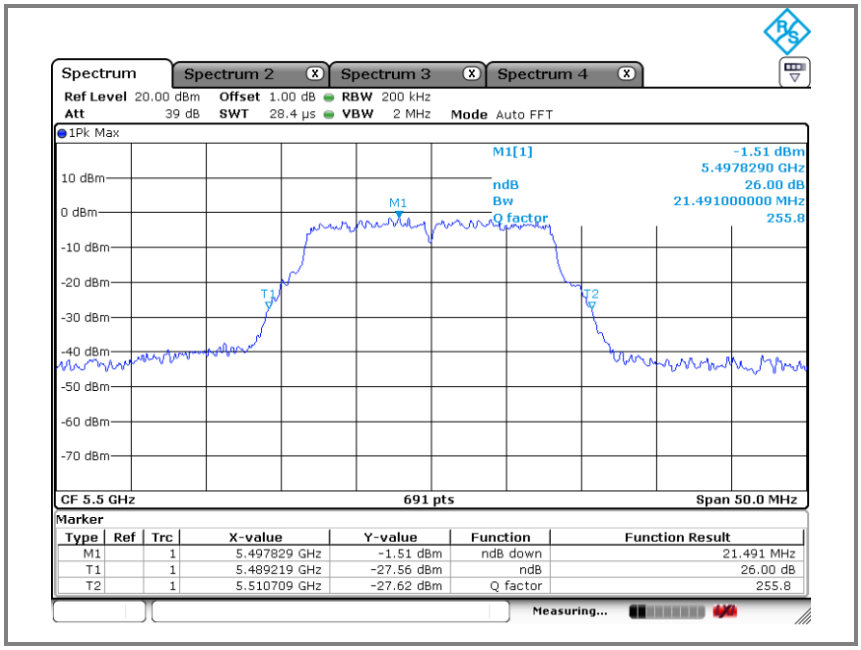


A. Low channel(5290 ㎒)– 99% bandwidth

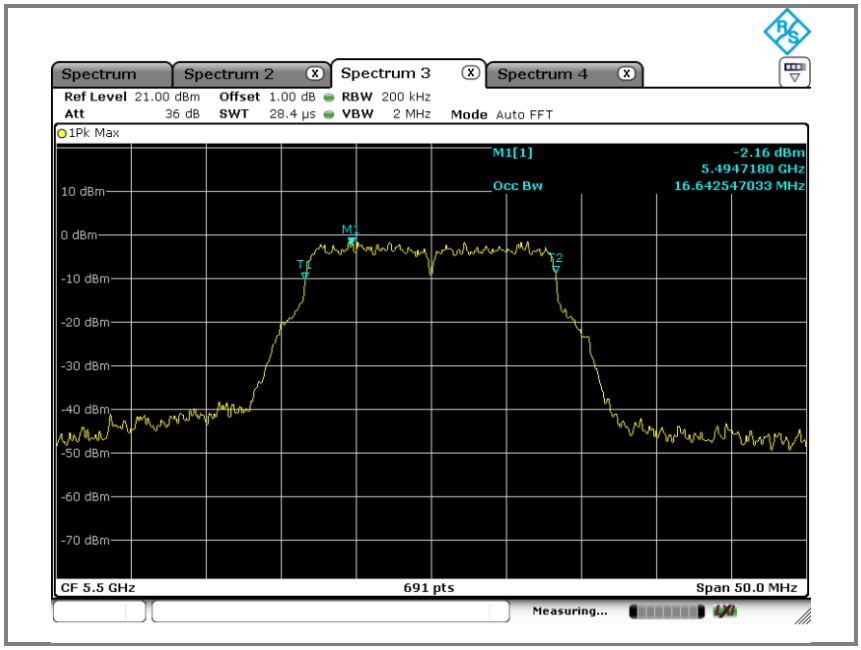


Operation mode: U-NII-2C(802.11a)

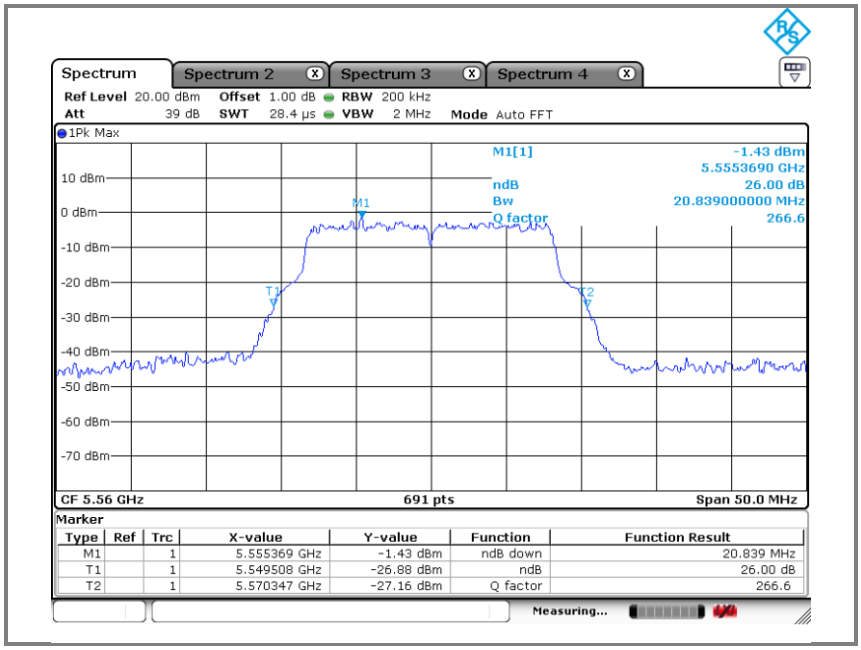
A. Low channel(5500 ㎒)- 26 ㏈ bandwidth



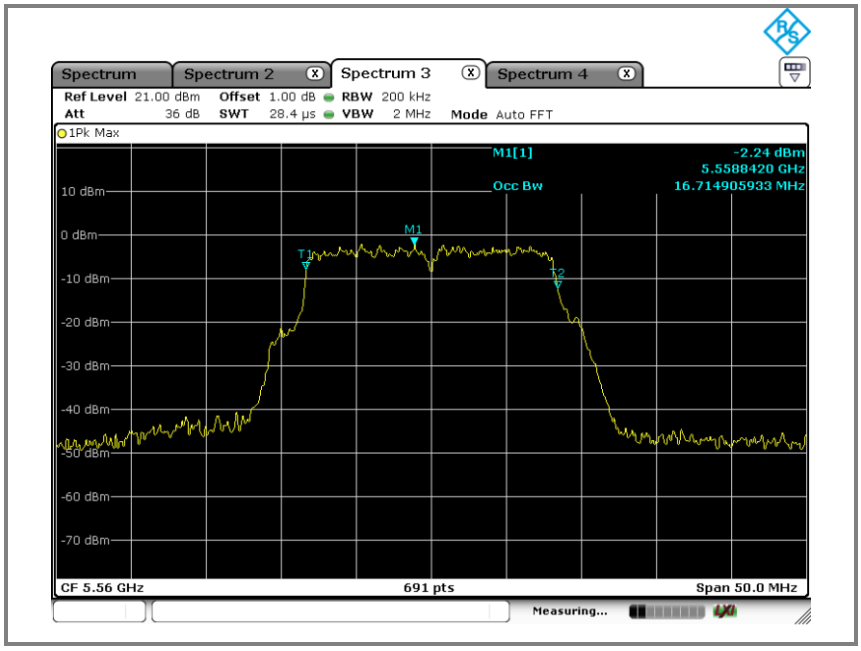
A. Low channel(5500 ㎒)– 99% bandwidth



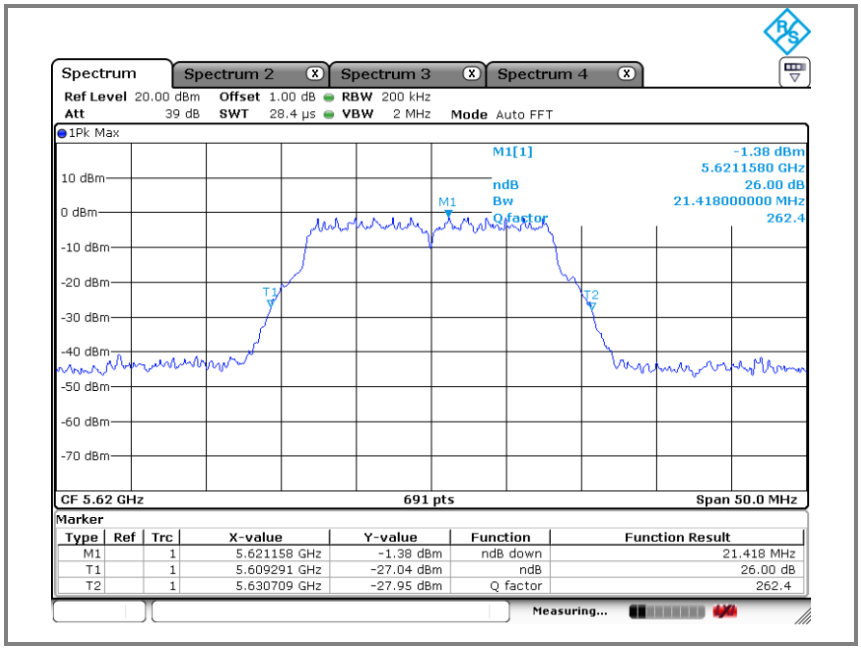
B. Middle channel(5560 ㎒)- 26 ㏈ bandwidth



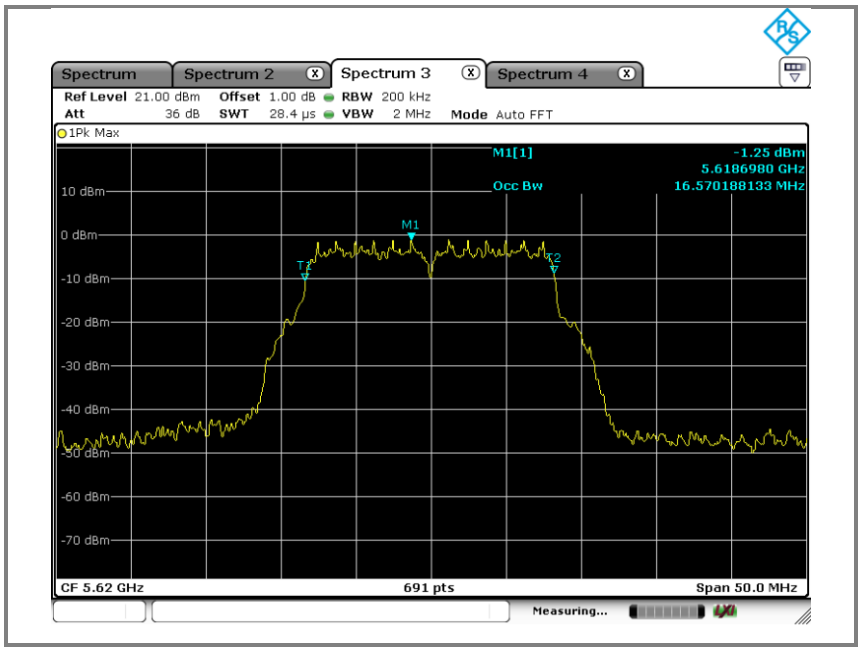
B. Middle channel(5560 ㎒)– 99% bandwidth



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

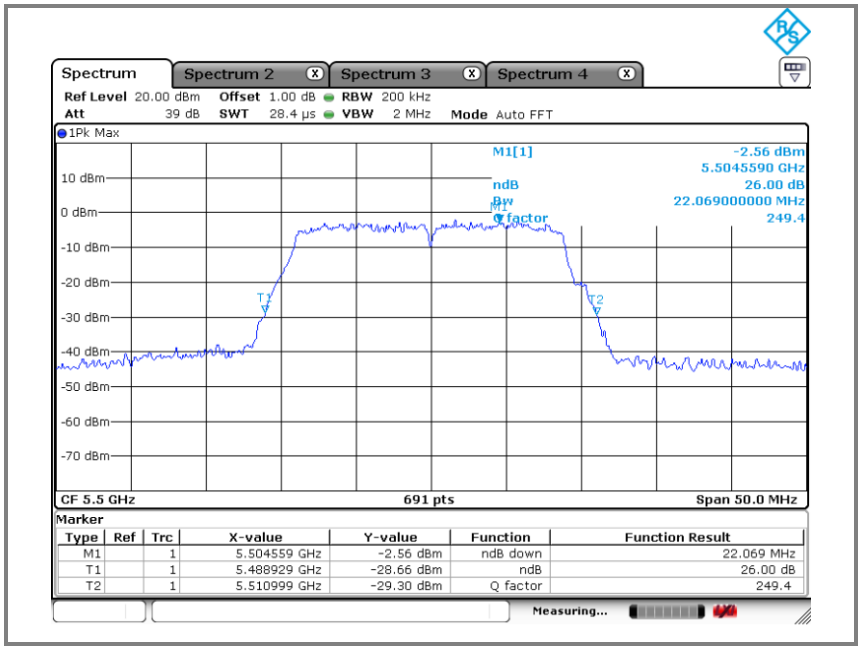


C. High channel(5620 ㎒)– 99% bandwidth

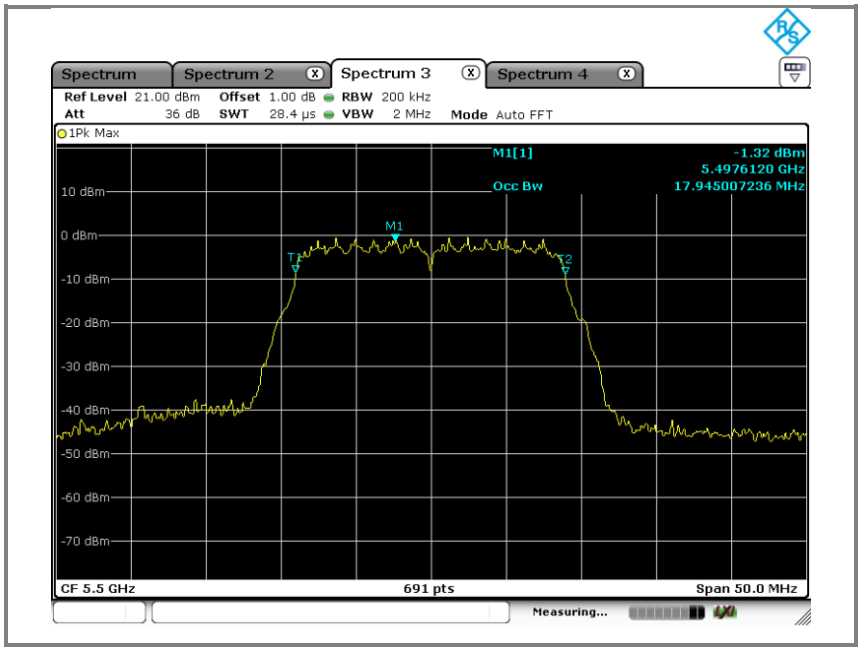


Operation mode: U-NII-2C(n_HT20)

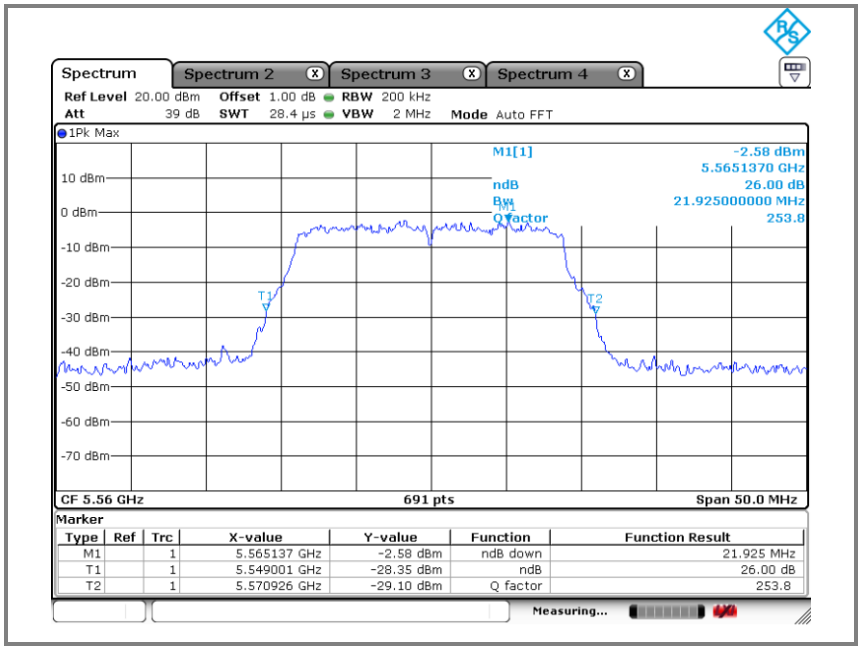
A. Low channel(5500 ㎒)- 26 ㏈ bandwidth



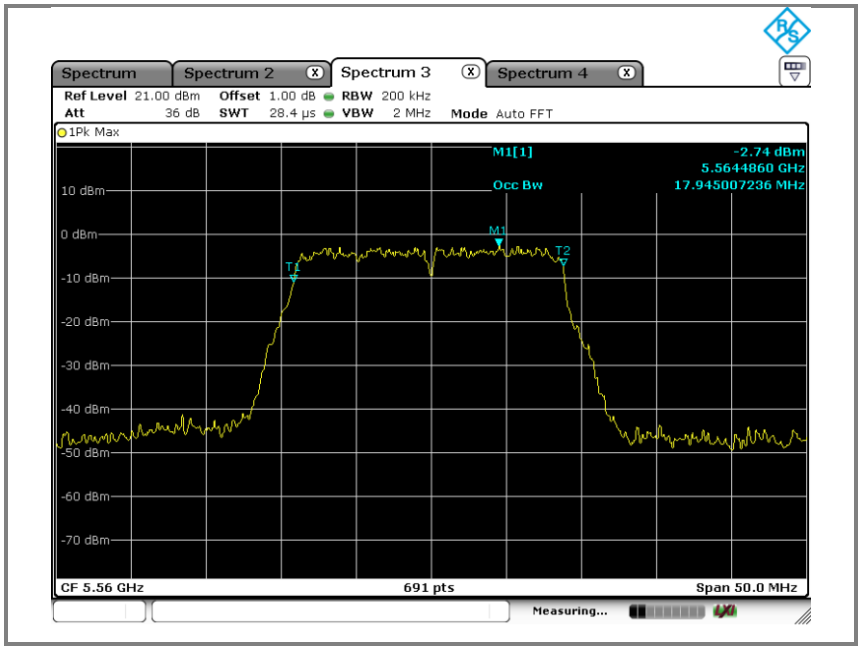
A. Low channel(5500 ㎒)– 99% bandwidth



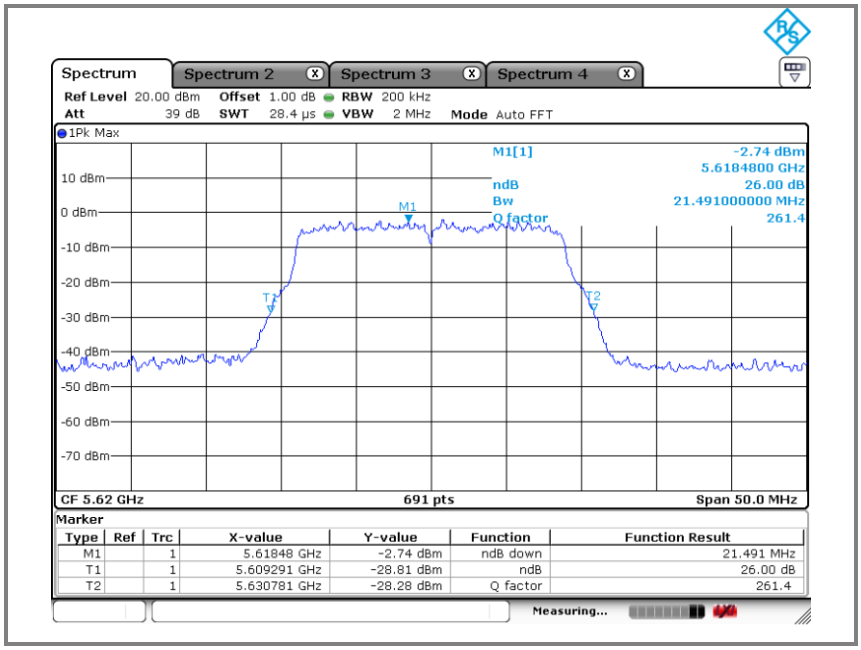
B. Middle channel(5560 ㎒)- 26 ㏈ bandwidth



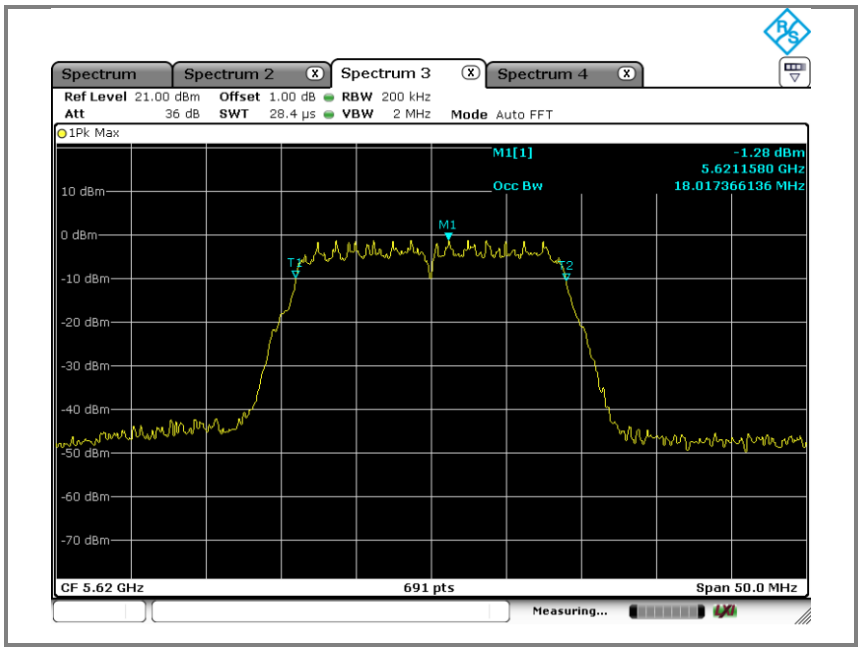
B. Middle channel(5560 ㎒)– 99% bandwidth



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

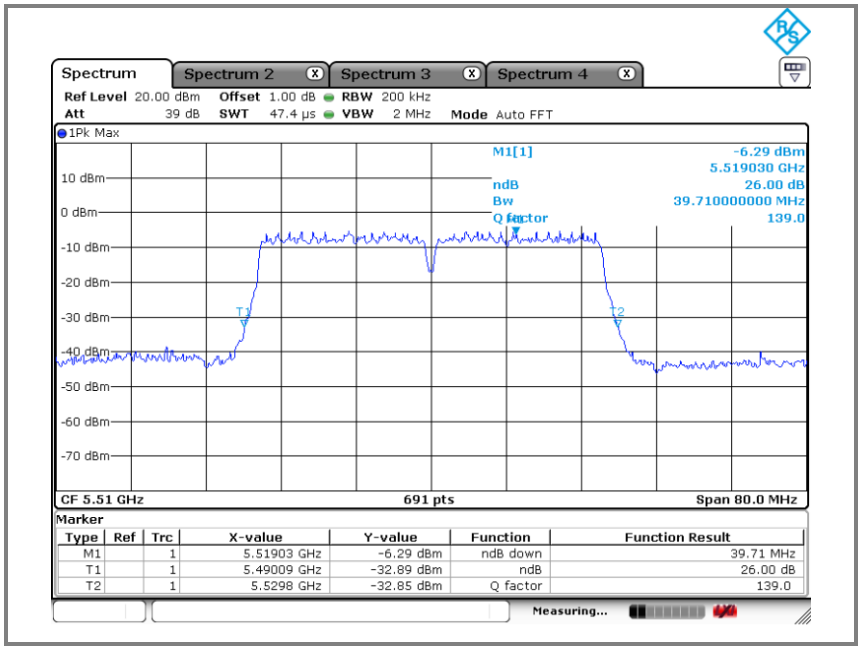


C. High channel(5620 ㎒)– 99% bandwidth

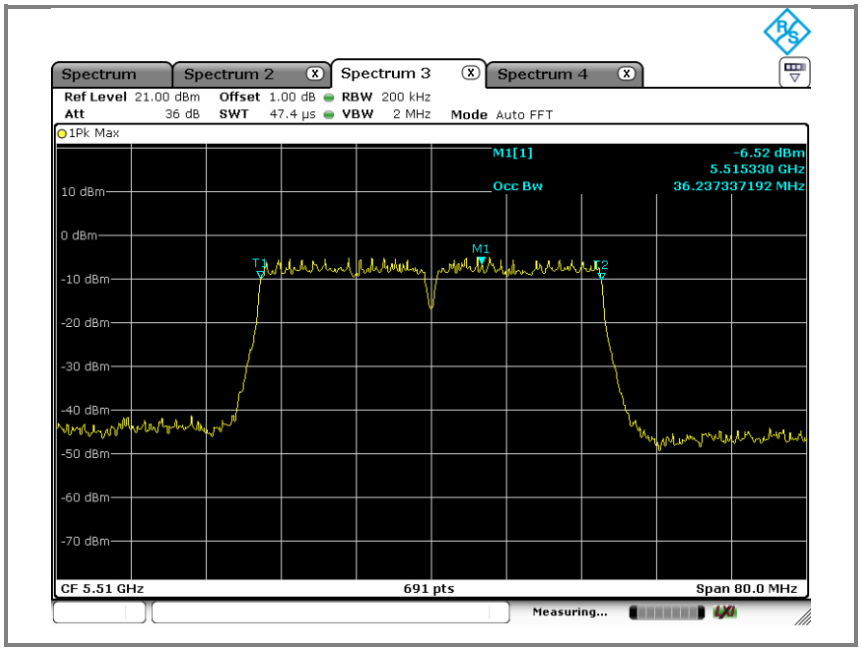


Operation mode: U-NII-2C(n_HT40)

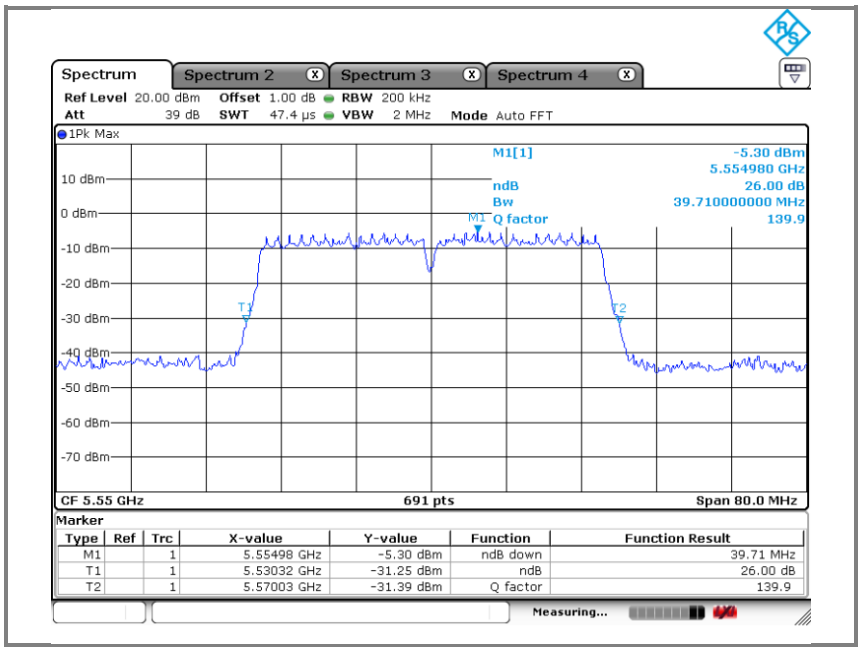
A. Low channel(5510 ㎒)- 26 ㏈ bandwidth



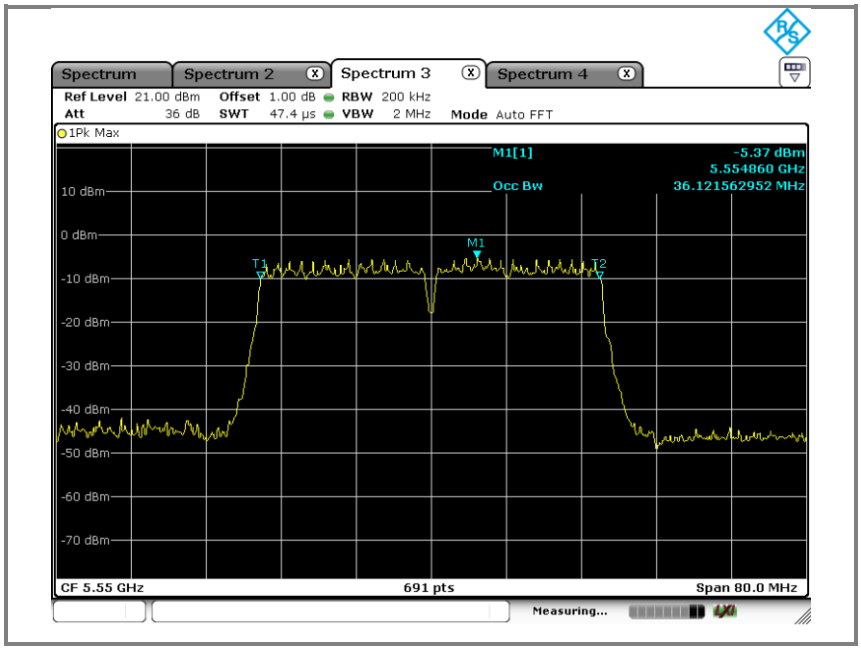
A. Low channel(5510 ㎒)– 99% bandwidth



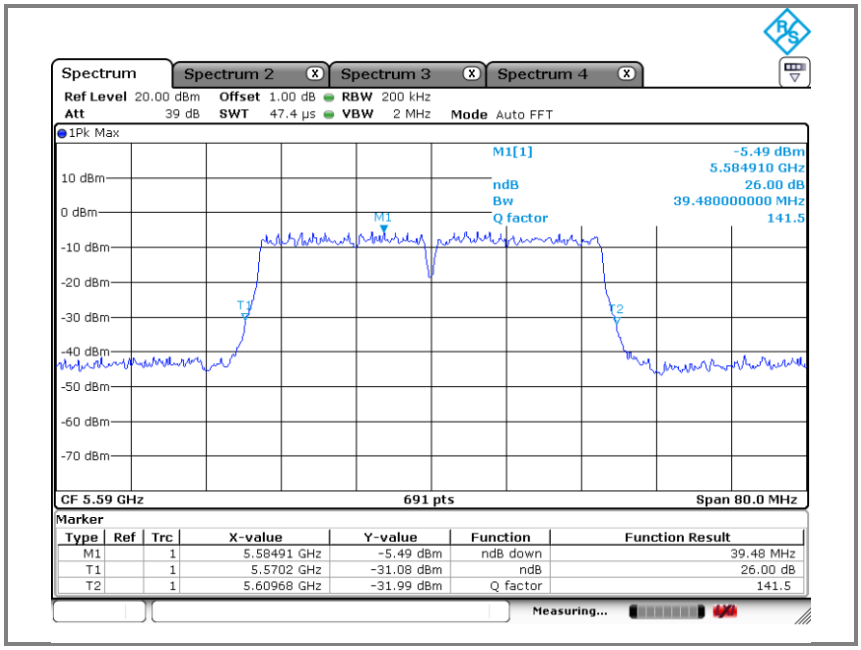
B. Middle channel(5550 ㎒)- 26 ㏈ bandwidth



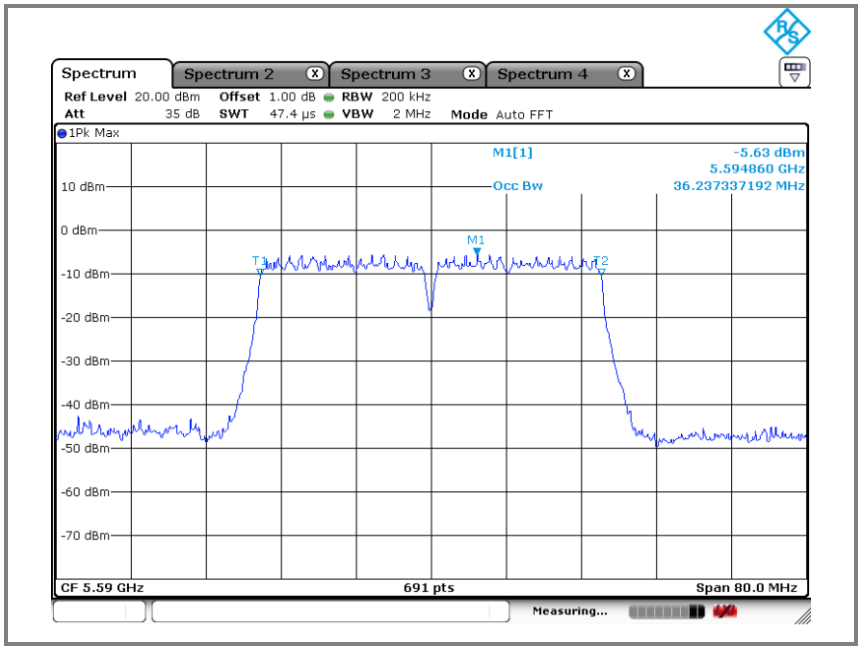
B. Middle channel(5550 ㎒)– 99% bandwidth



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

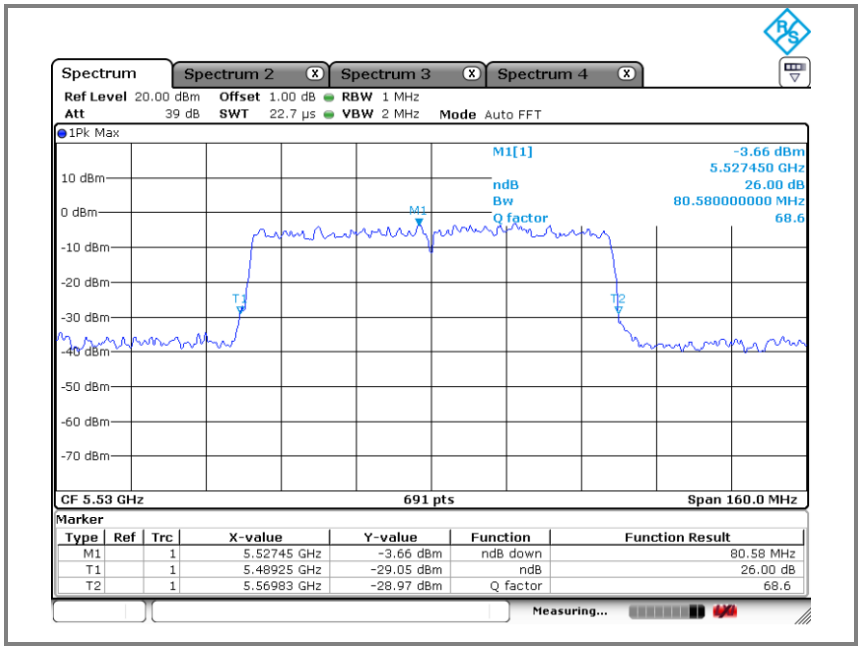


C. High channel(5590 ㎒)– 99% bandwidth

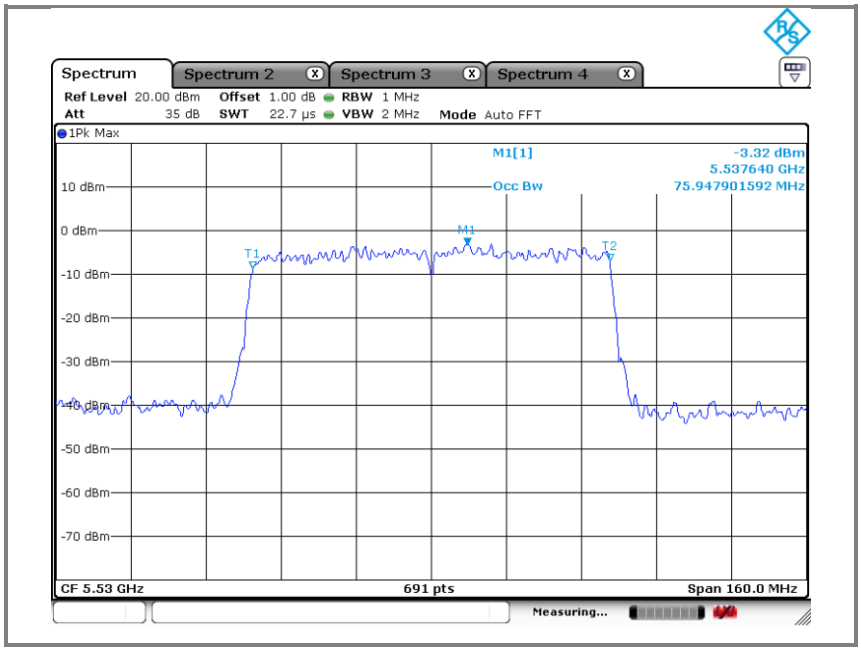


Operation mode: U-NII-2C(VHT80)

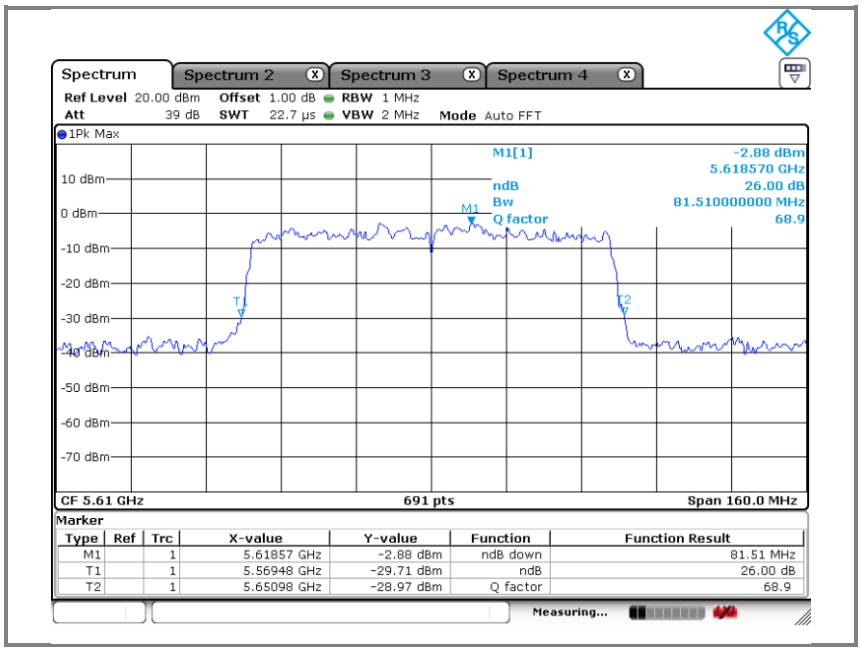
A. Low channel(5530 ㎒)- 26 ㏈ bandwidth



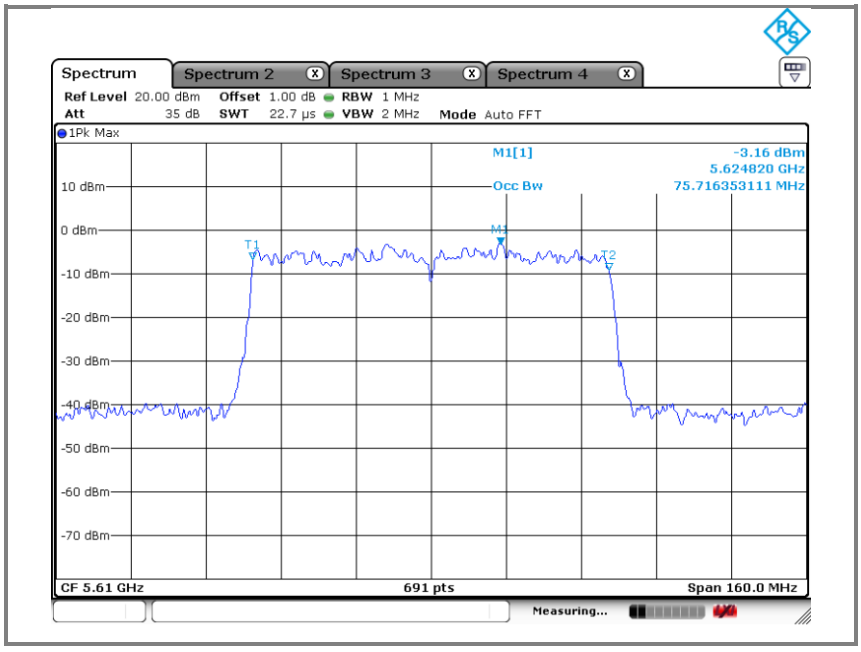
A. Low channel(5530 ㎒)– 99% bandwidth



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

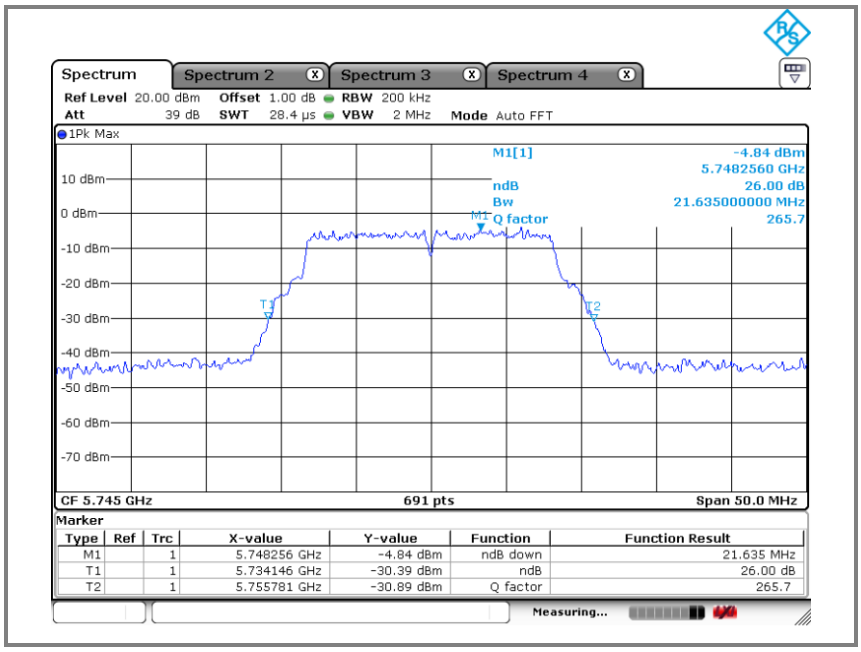


A. High channel(5610 ㎒)– 99% bandwidth

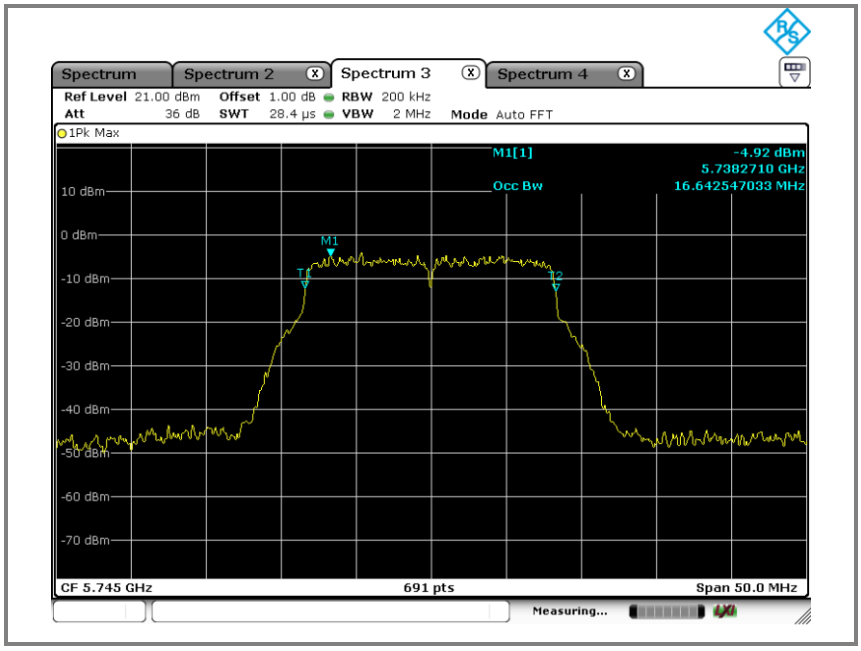


Operation mode: U-NII-3(802.11a)

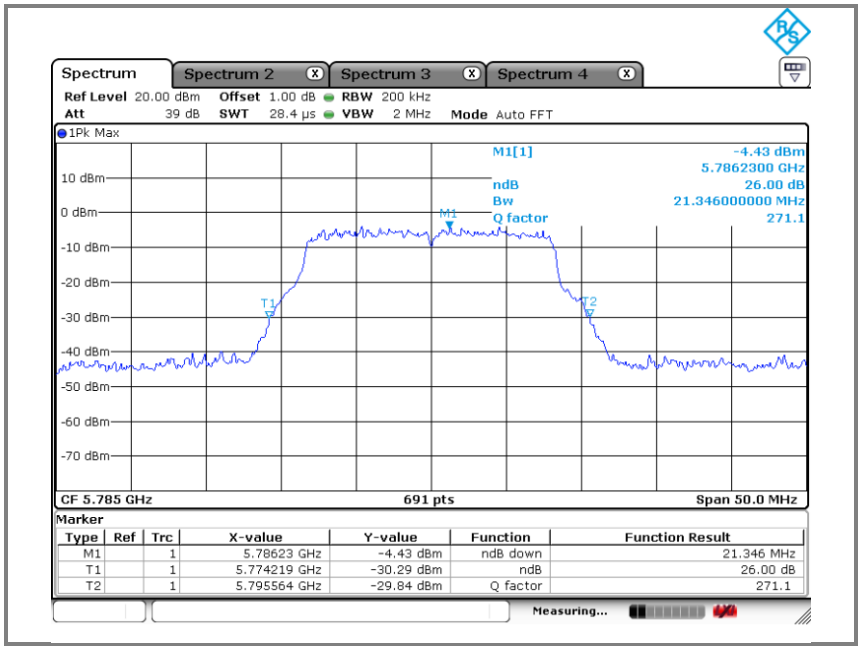
A. Low channel(5745 ㎒)- 26 ㏈ bandwidth



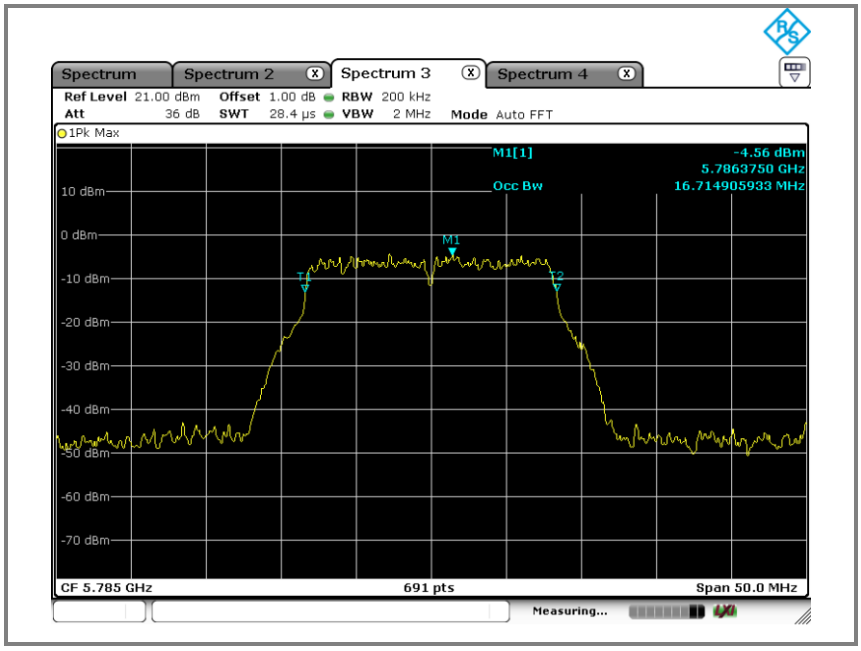
A. Low channel(5745 ㎒)– 99% bandwidth



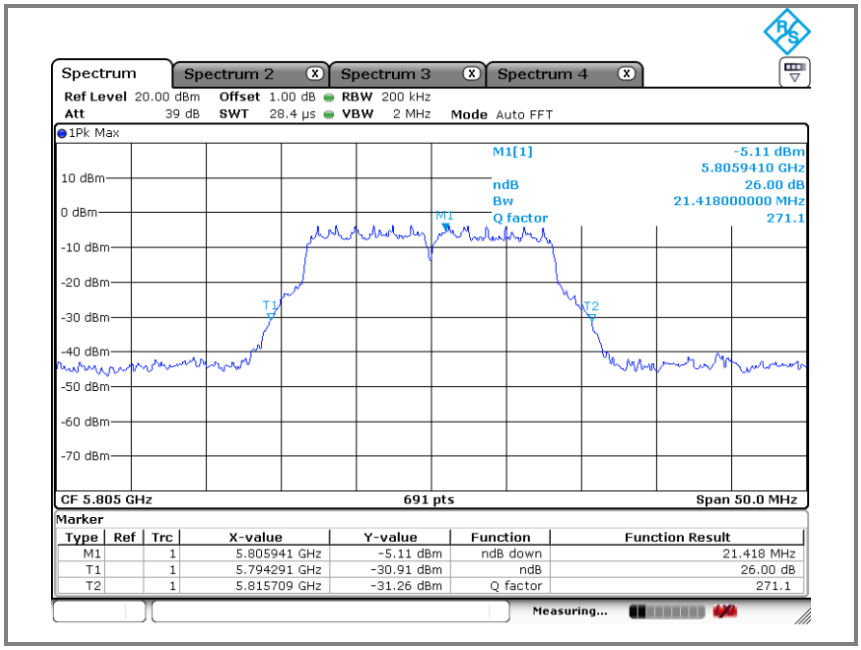
B. Middle channel(5785 ㎒)- 26 ㏈ bandwidth



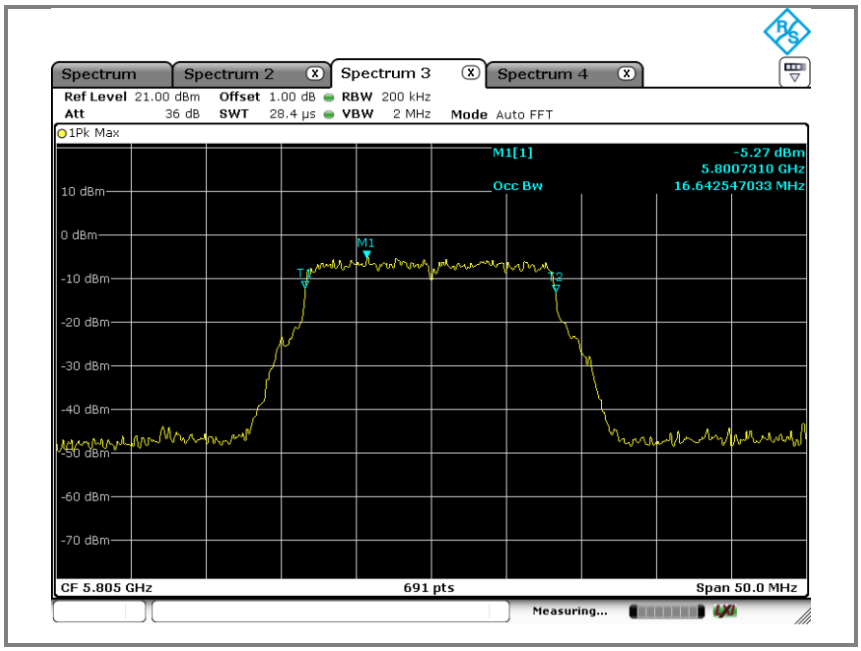
B. Middle channel(5785 ㎒)– 99% bandwidth



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

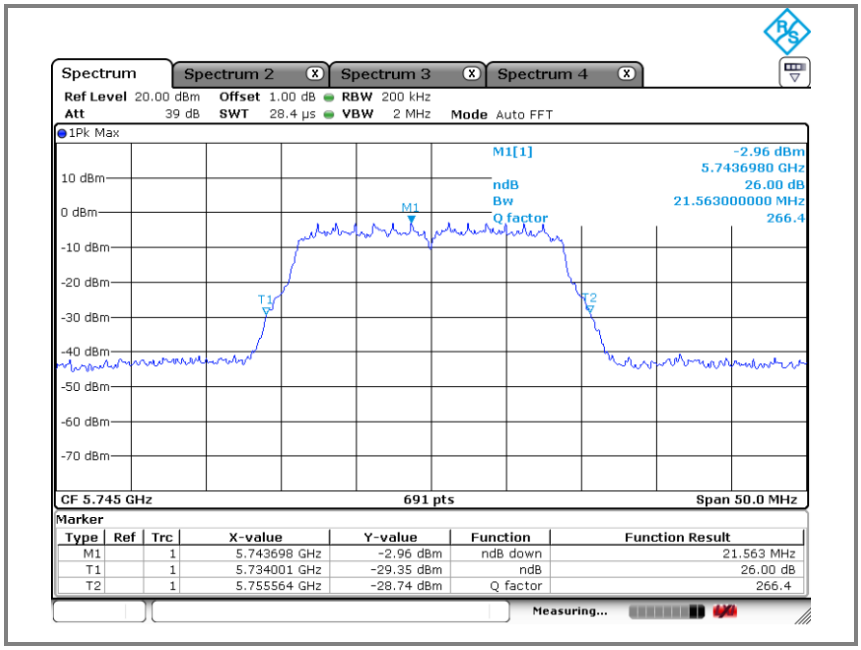


C. High channel(5805 ㎒)– 99% bandwidth

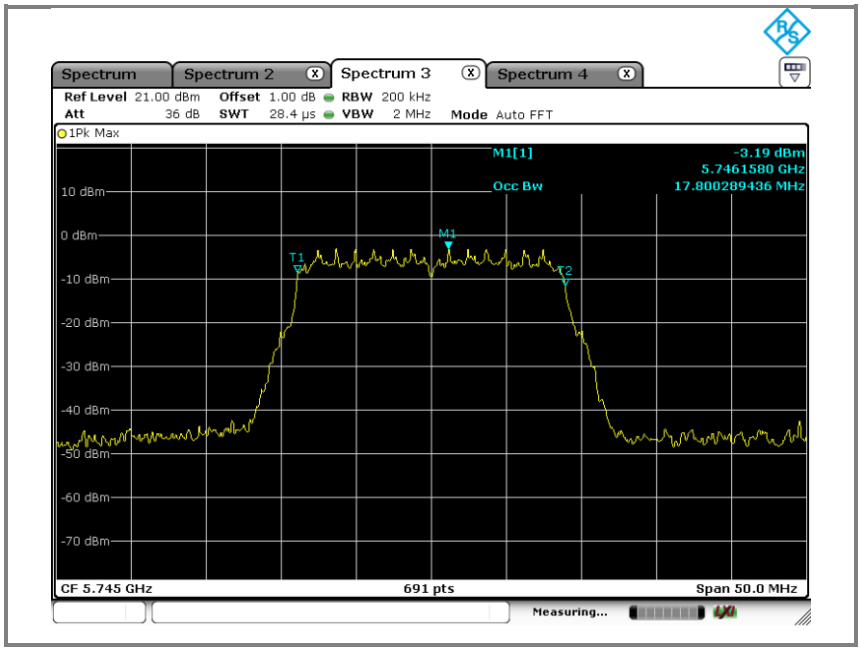


Operation mode: U-NII-3(n_HT20)

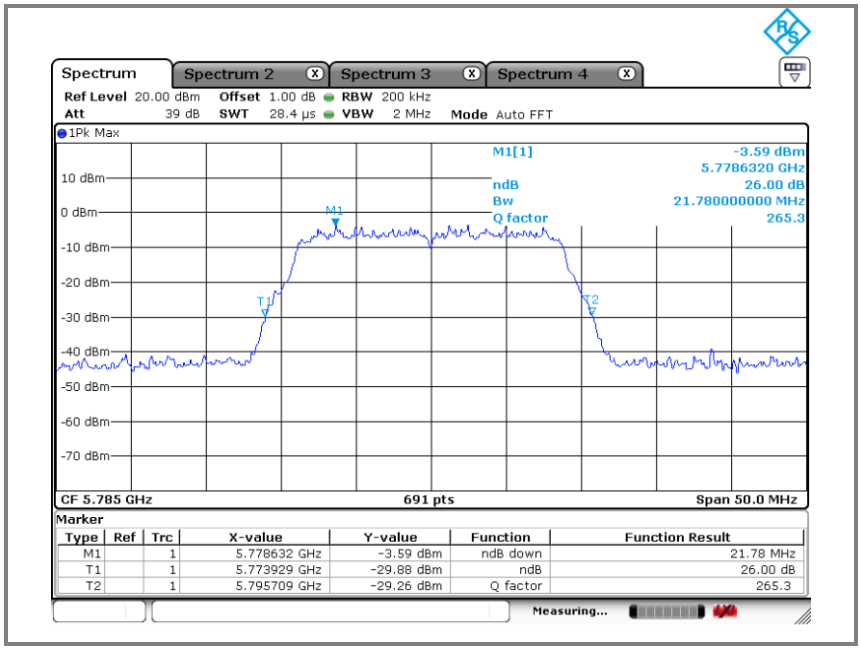
A. Low channel(5745 ㎒)- 26 ㏈ bandwidth



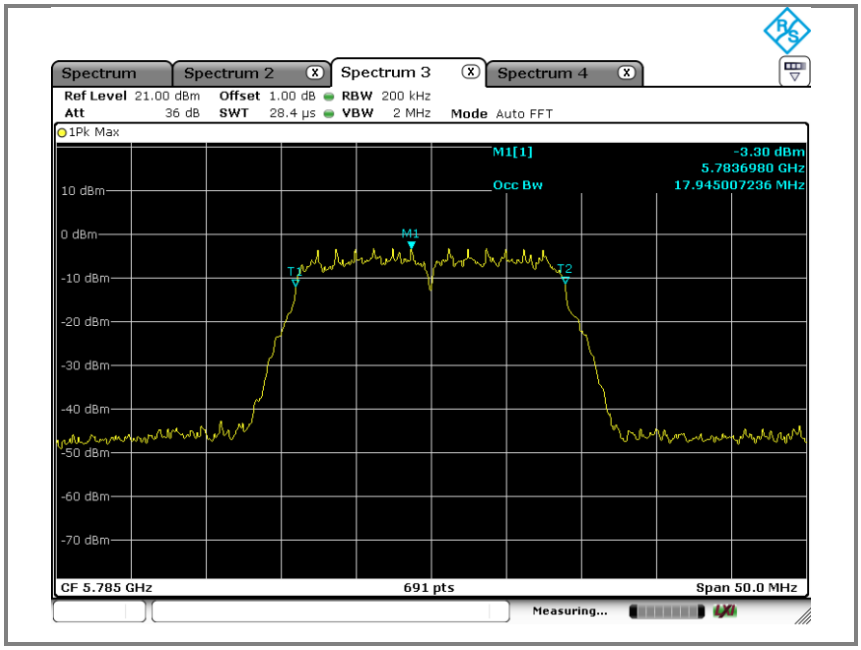
A. Low channel(5745 ㎒)– 99% bandwidth



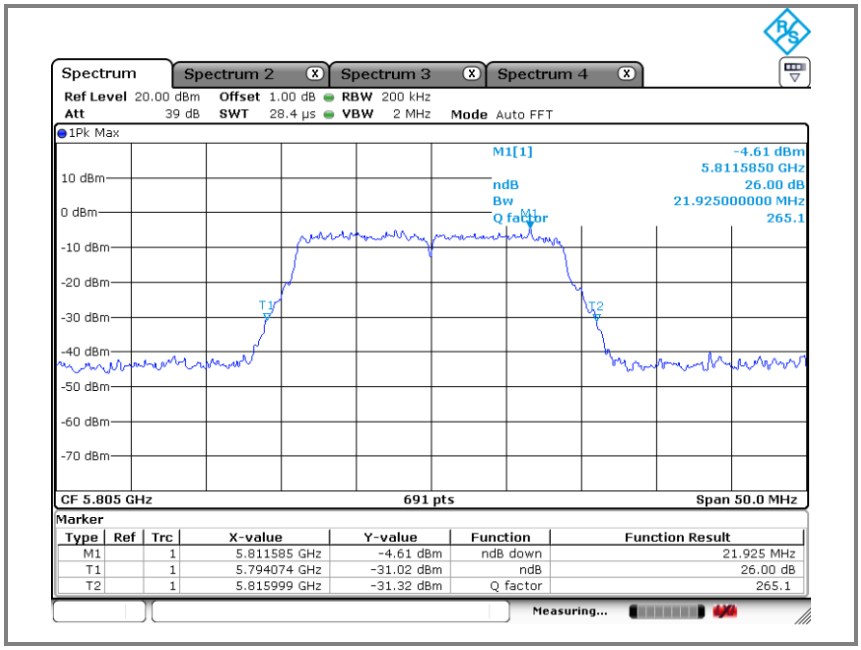
B. Middle channel(5785 ㎒)- 26 ㏈ bandwidth



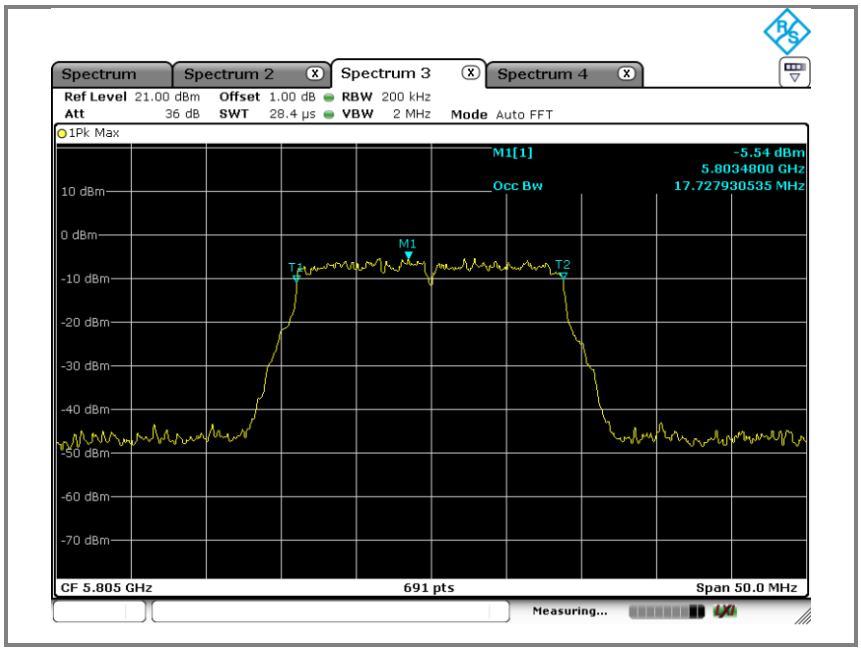
B. Middle channel(5785 ㎒)– 99% bandwidth



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

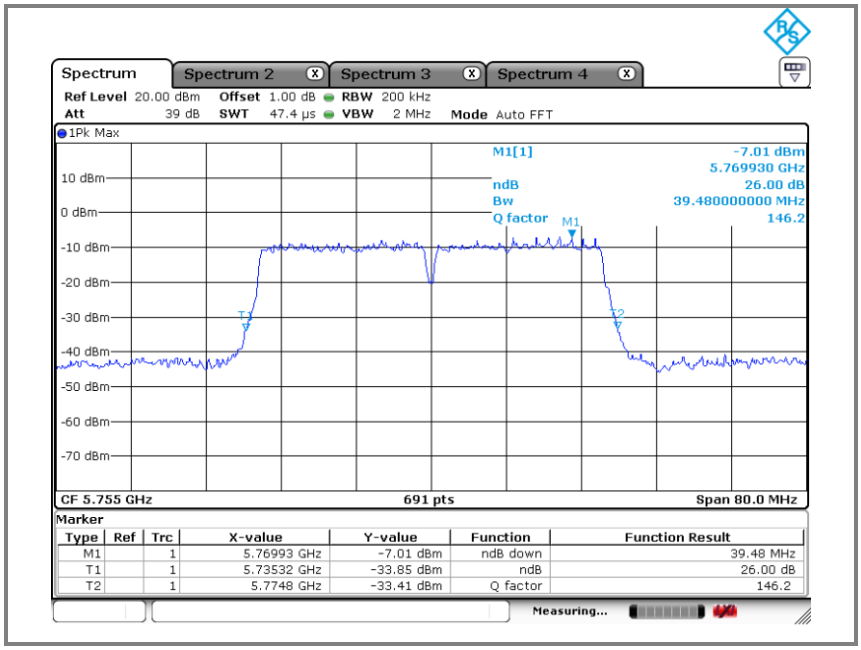


C. High channel(5805 ㎒)– 99% bandwidth

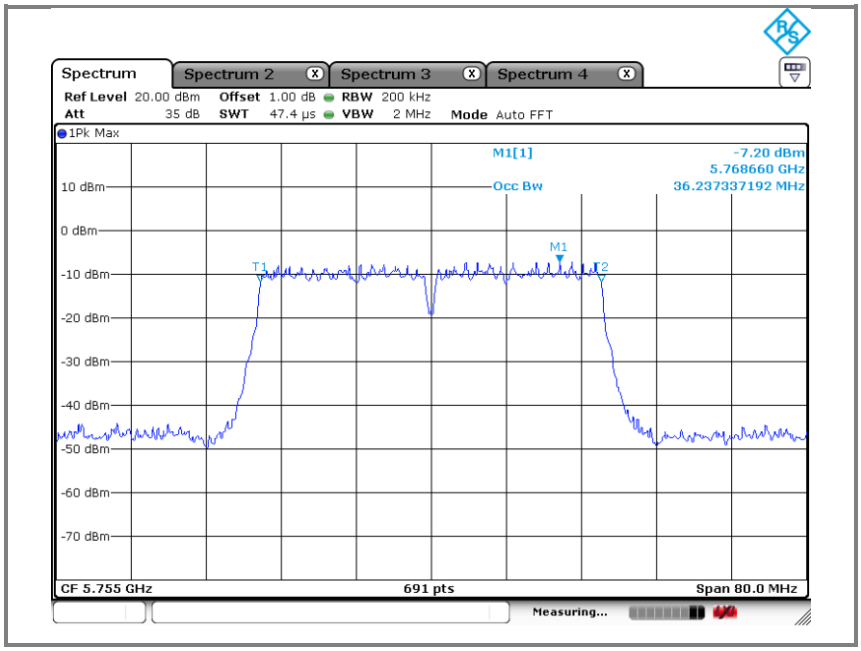


Operation mode: U-NII-3(n_HT40)

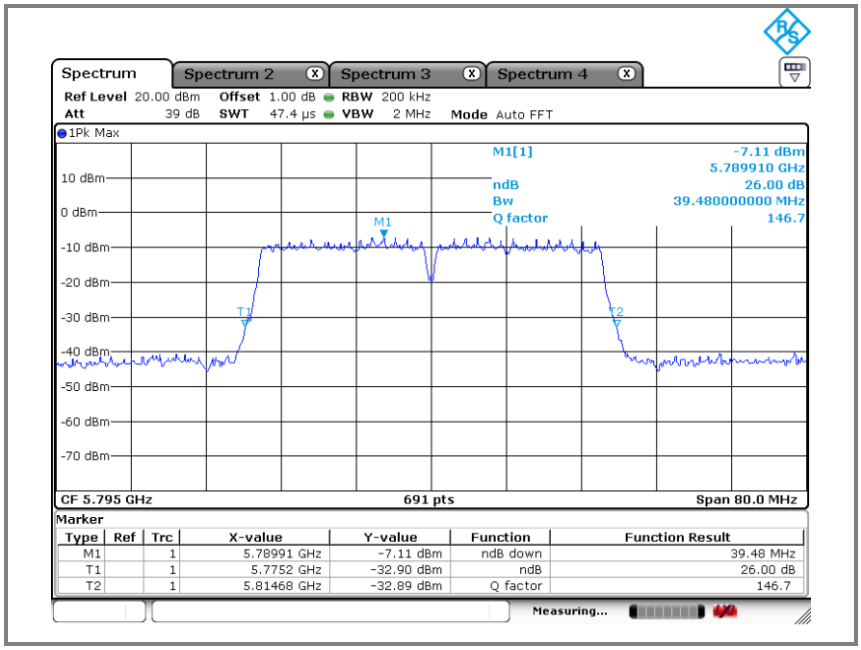
A. Low channel(5755 ㎒)- 26 ㏈ bandwidth



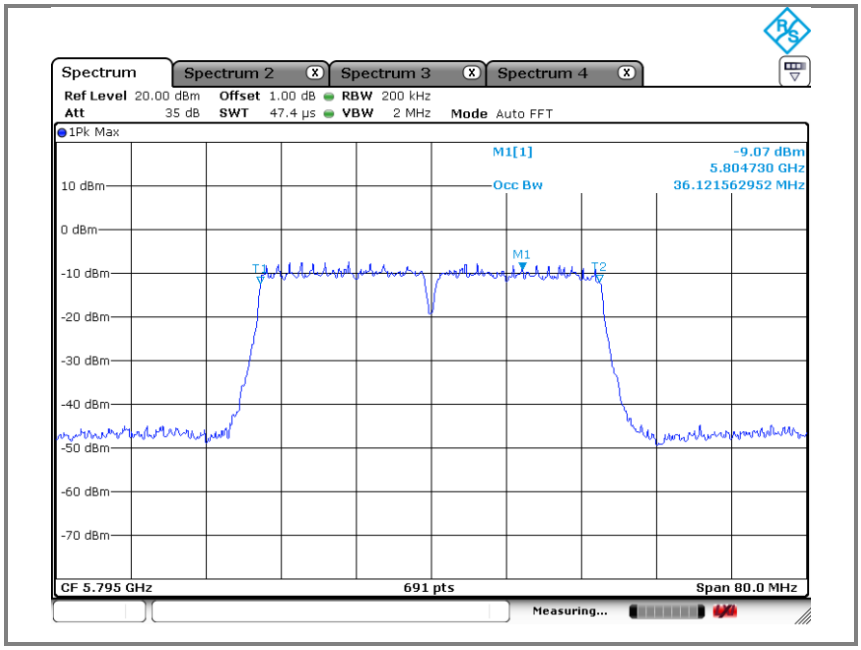
A. Low channel(5755 ㎒)– 99% bandwidth



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

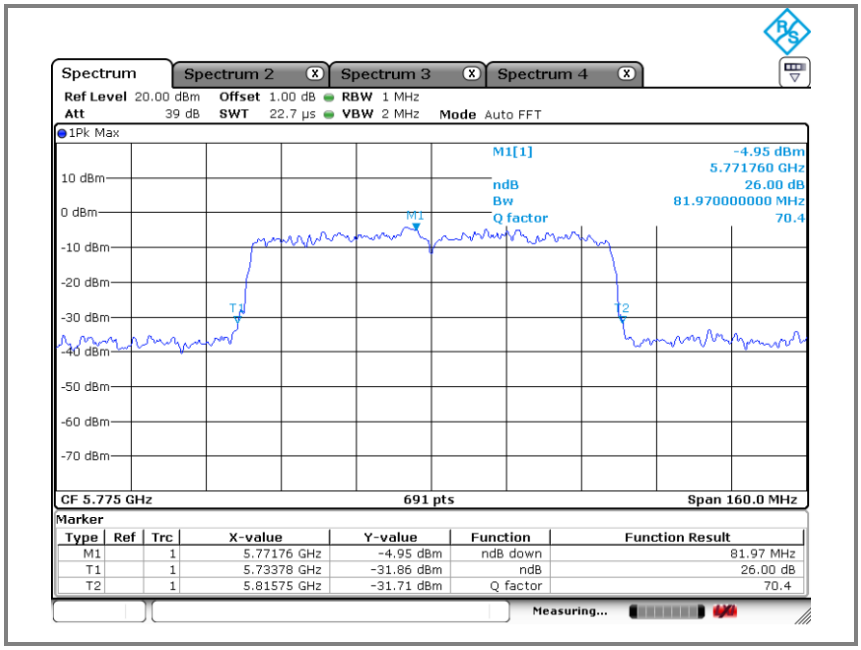


B. High channel(5795 ㎒)– 99% bandwidth



Operation mode: U-NII-3(VHT80)

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



A. Low channel(5775 ㎒)– 99% bandwidth