



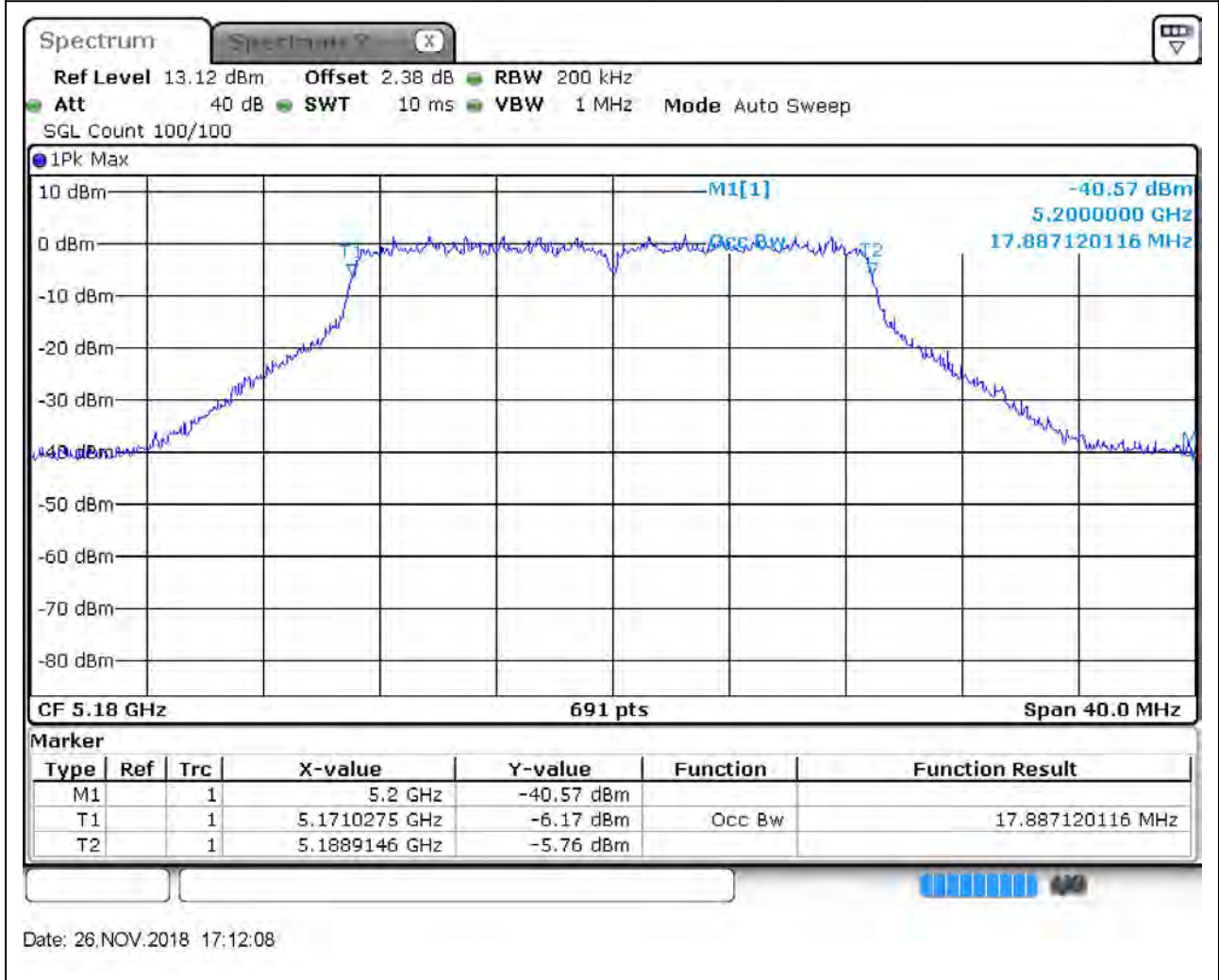


# MIMO-ANT0

## 1. 802.11n\_20M\_Band1\_L

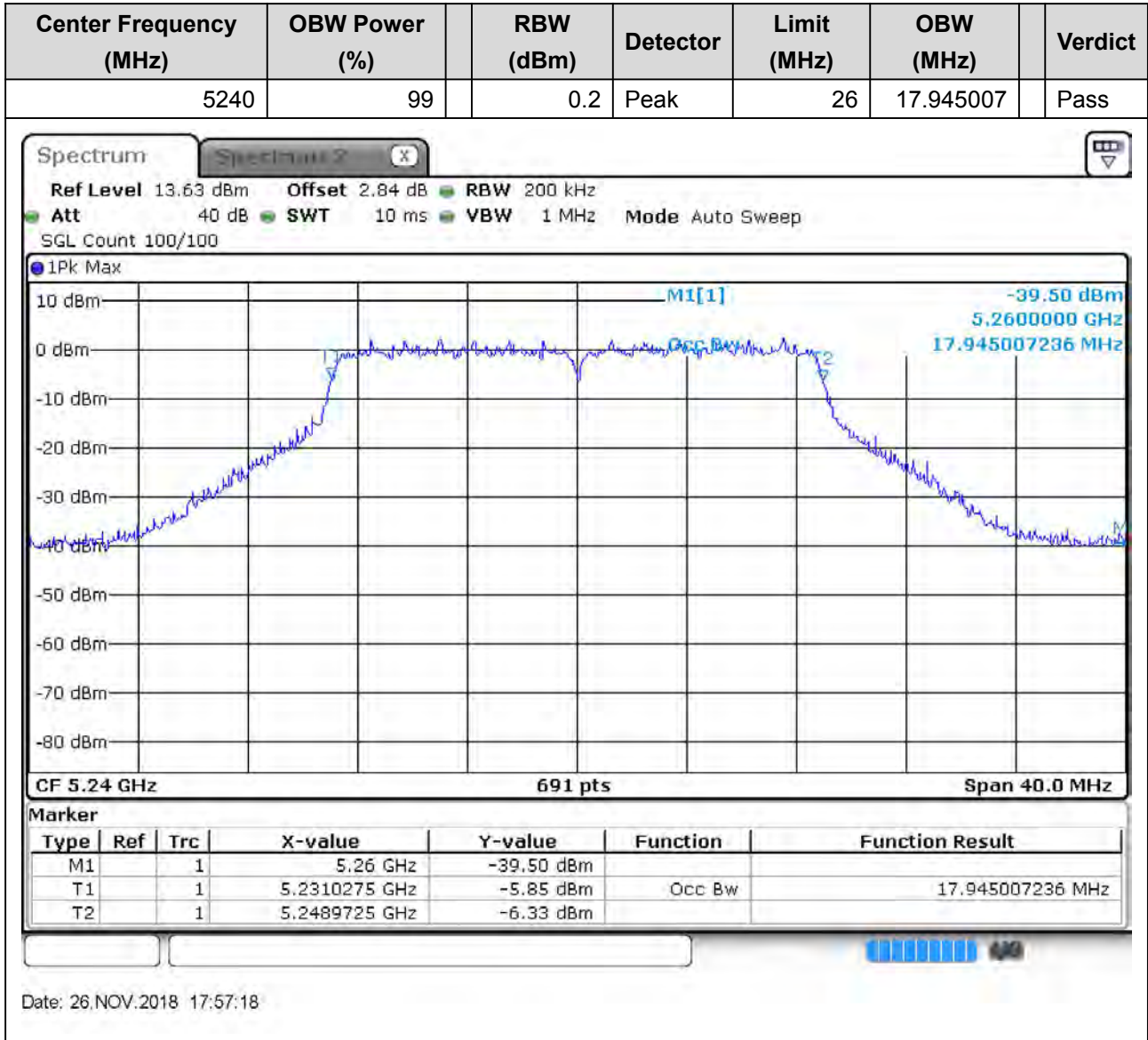
### 1.1. A.2.2-99% Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5180	99	0.2	Peak	26	17.88712	Pass



## 2. 802.11n\_20M\_Band1\_H

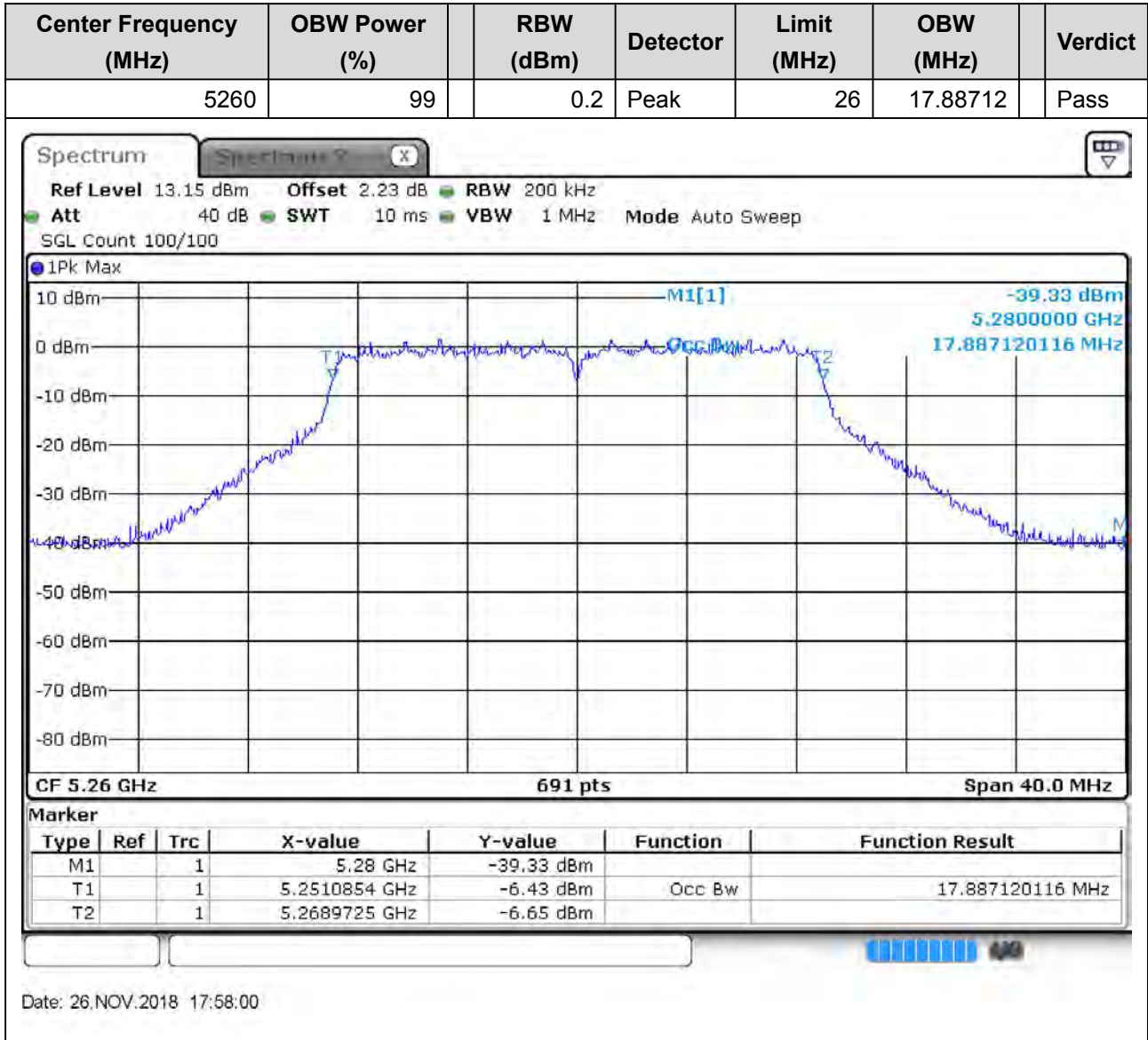
### 2.1. A.2.2-99% Bandwidth(NTNV)





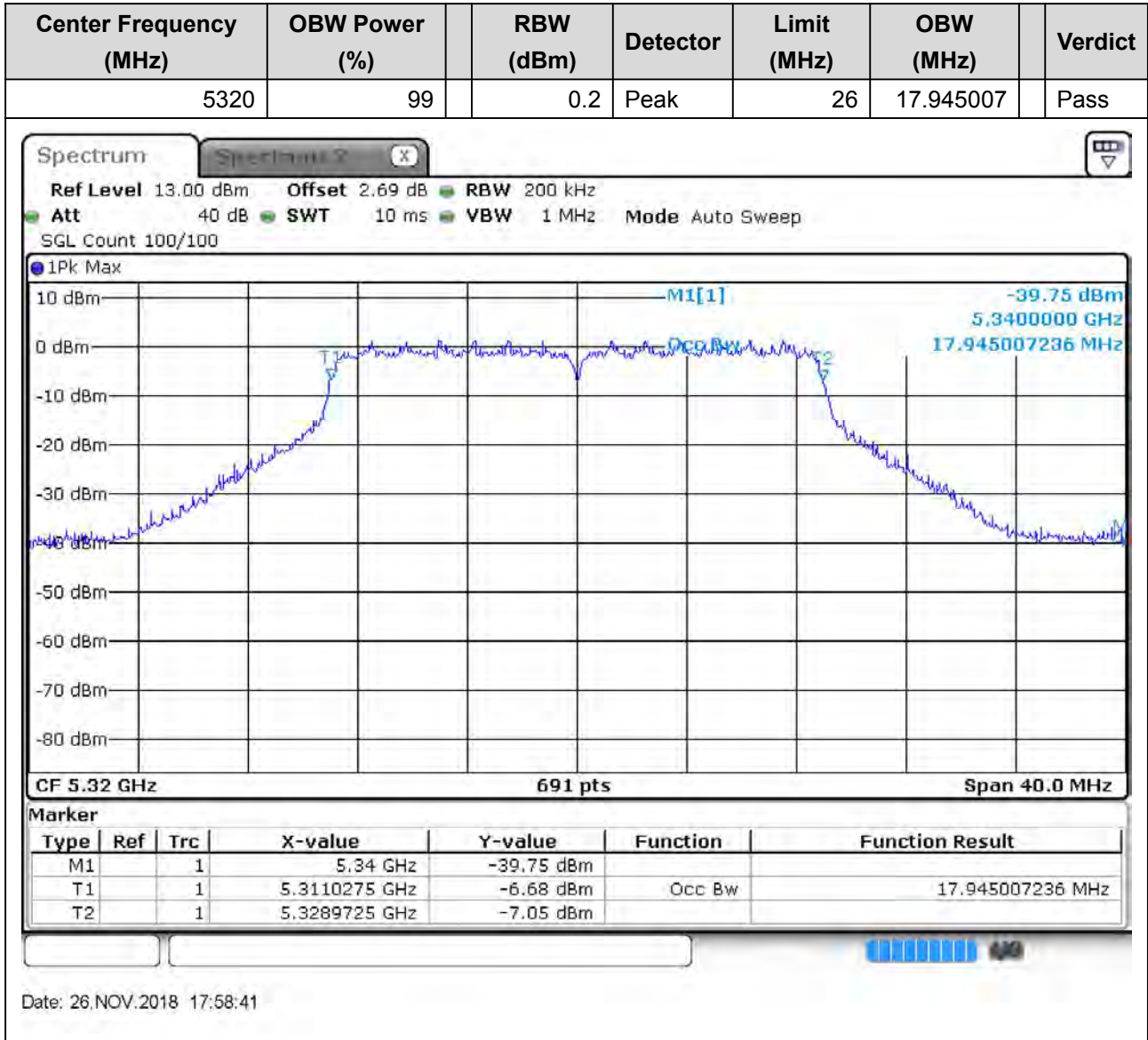
### 3. 802.11n\_20M\_Band2\_L

#### 3.1. A.2.2-99% Bandwidth(NTNV)



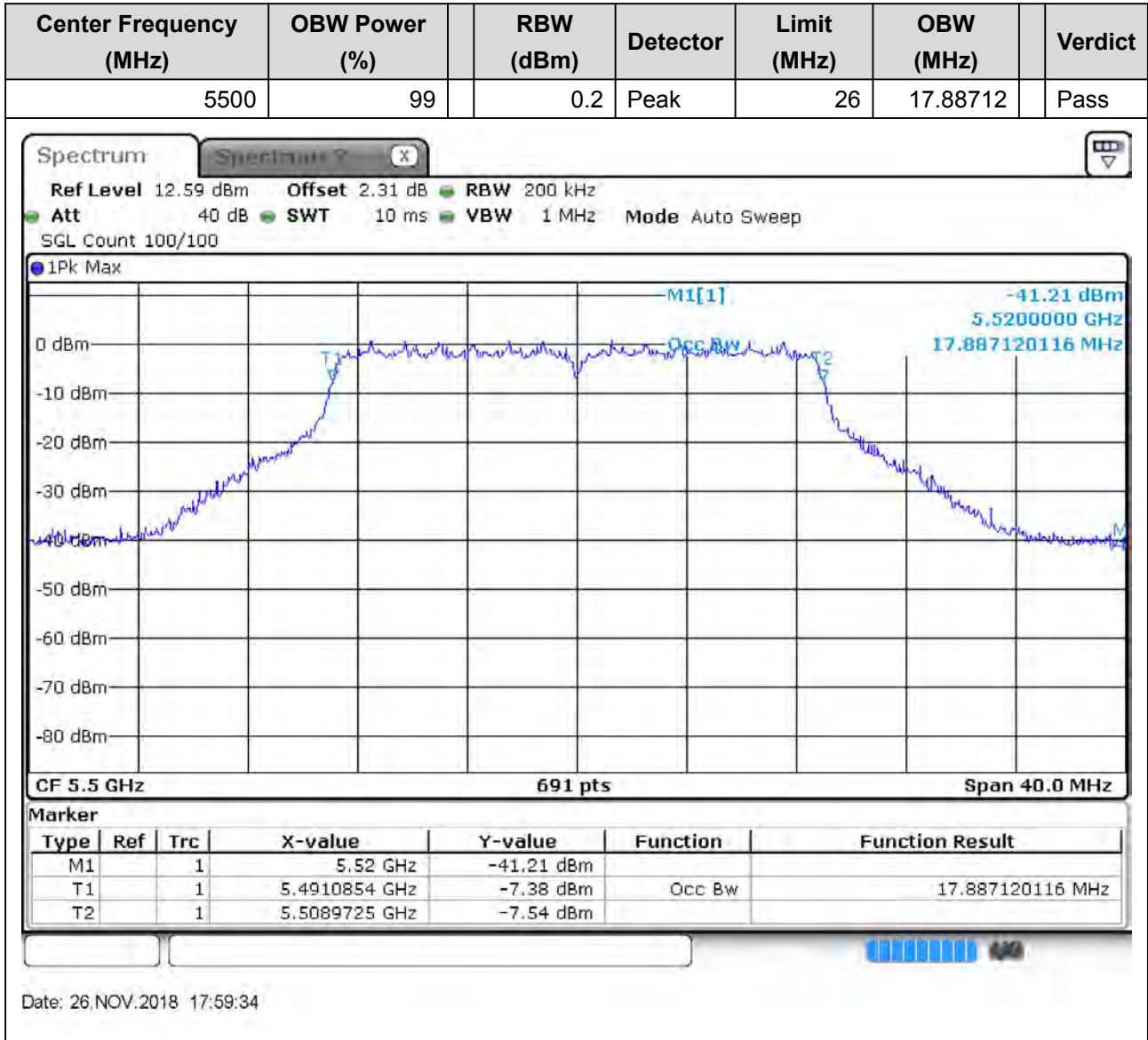
## 4. 802.11n\_20M\_Band2\_H

### 4.1. A.2.2-99% Bandwidth(NTNV)



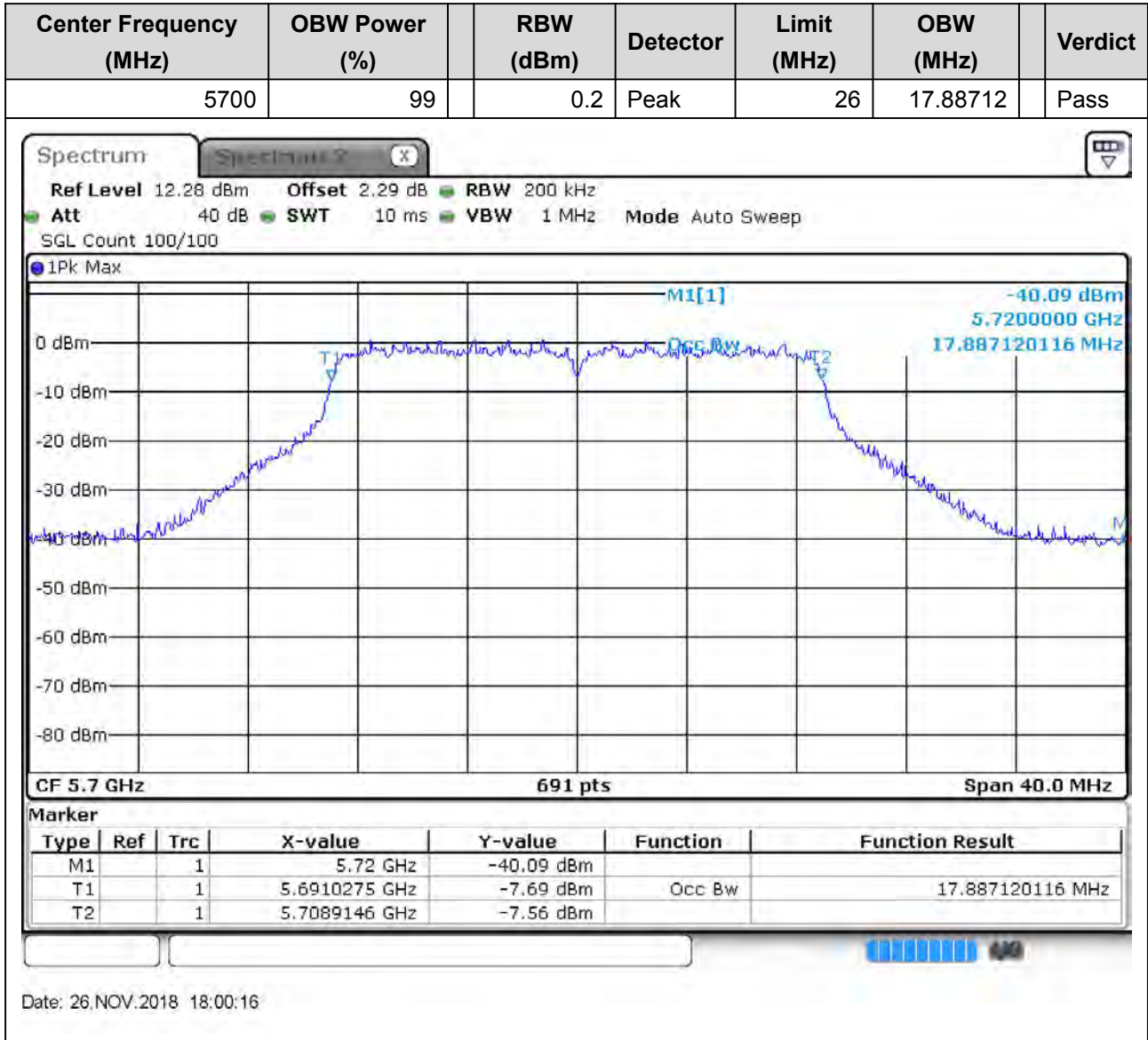
## 5. 802.11n\_20M\_Band3\_L

### 5.1. A.2.2-99% Bandwidth(NTNV)



## 6. 802.11n\_20M\_Band3\_H

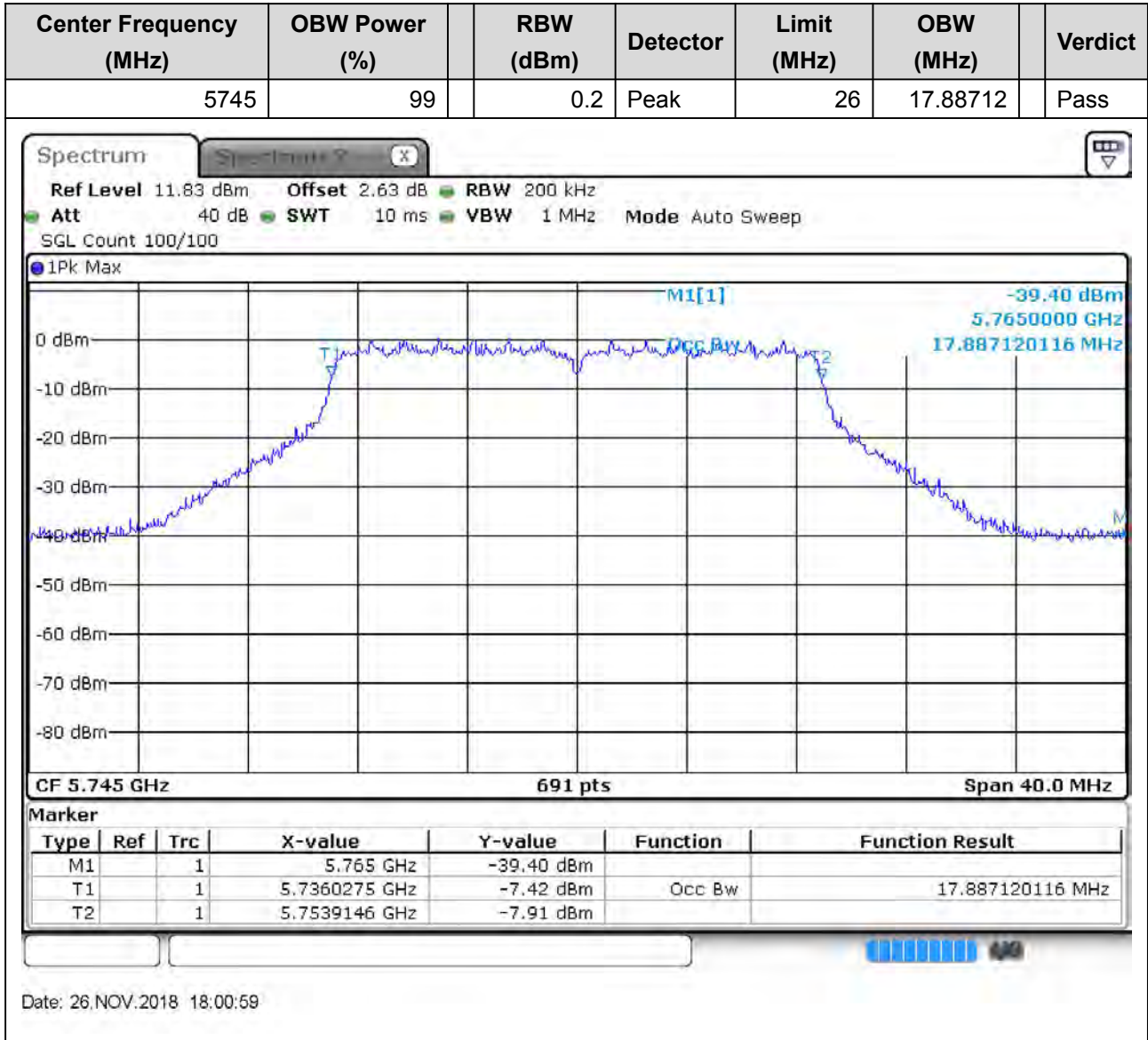
### 6.1. A.2.2-99% Bandwidth(NTNV)





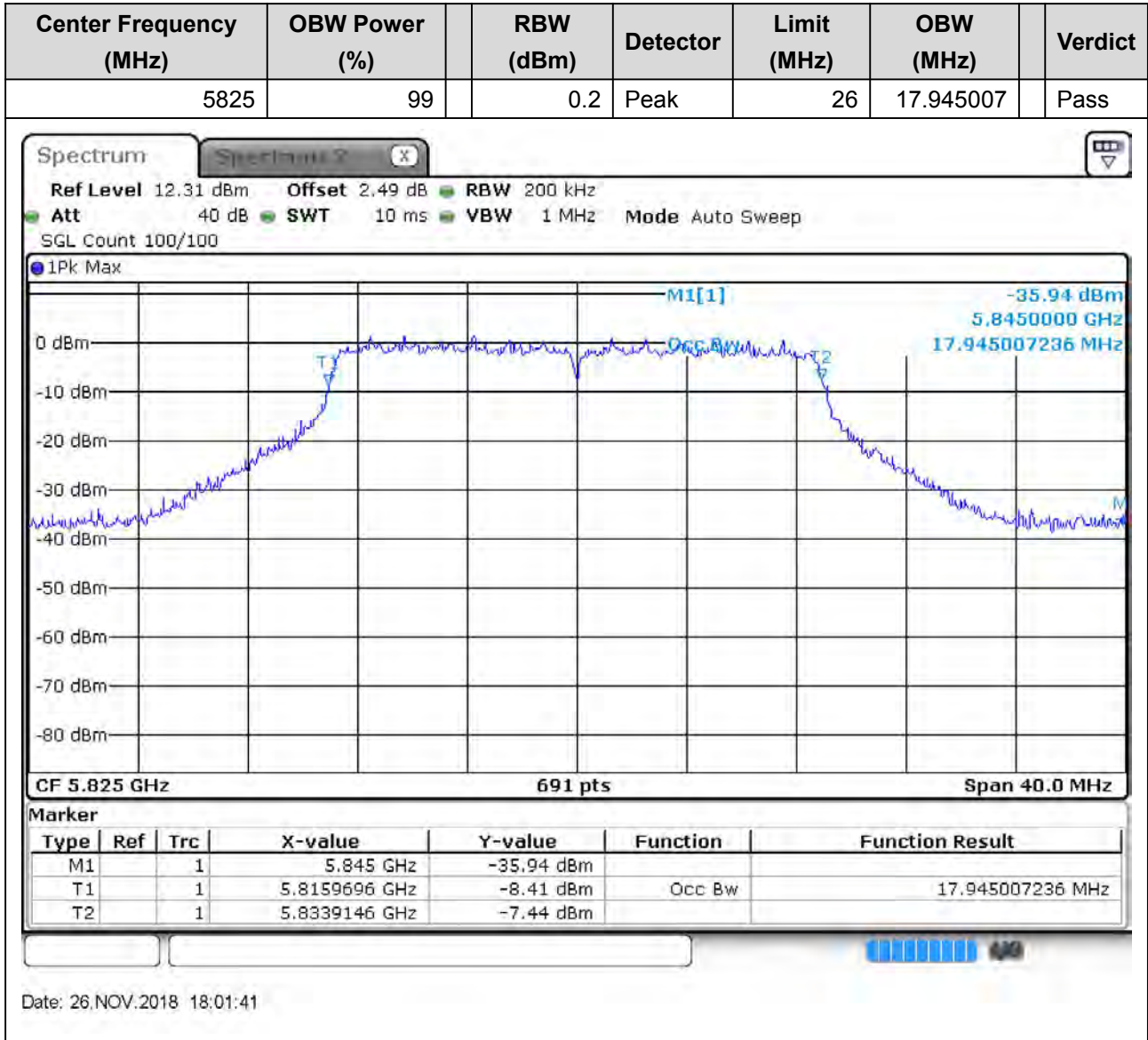
## 7. 802.11n\_20M\_Band4\_L

### 7.1. A.2.2-99% Bandwidth(NTNV)



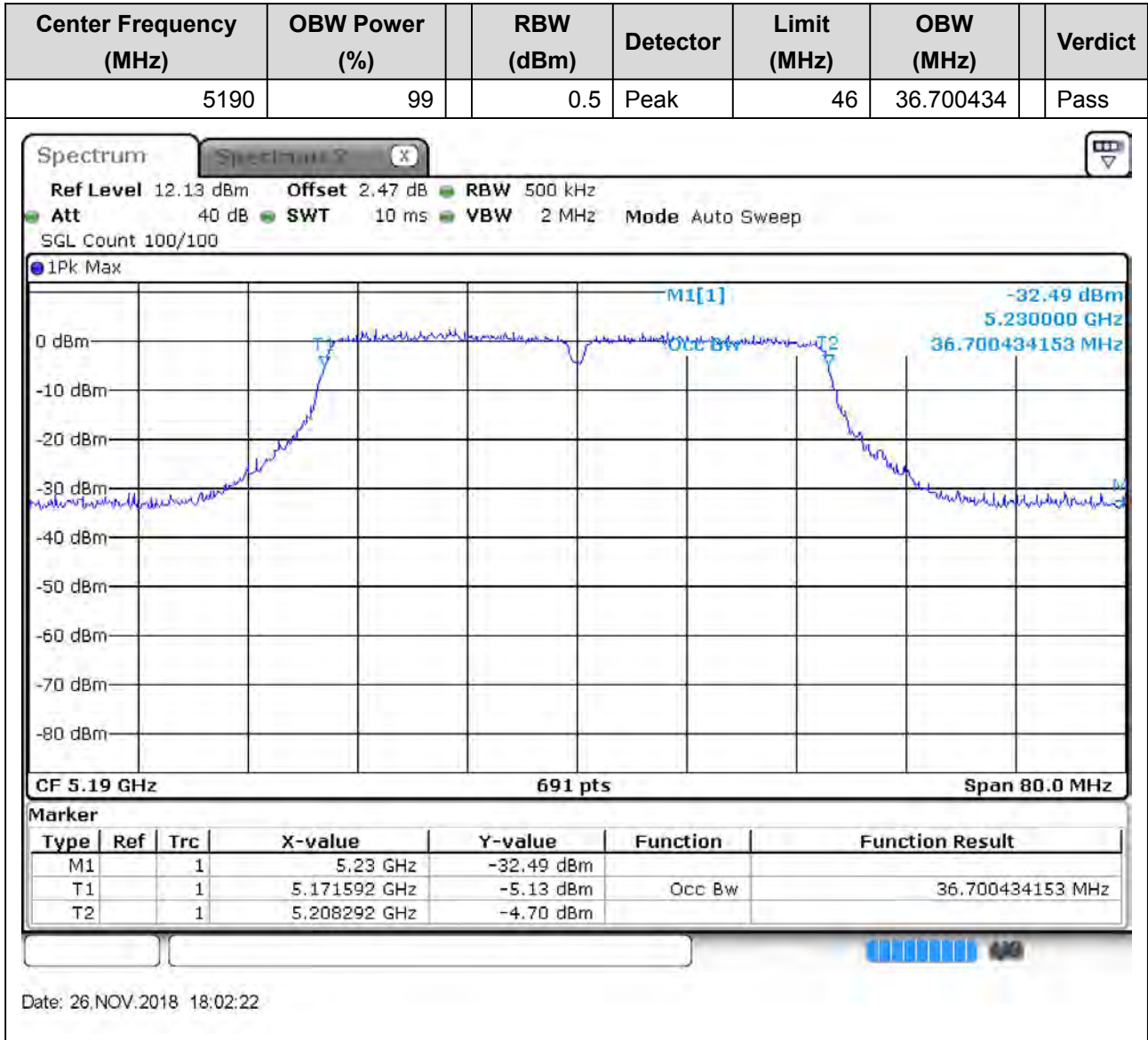
## 8. 802.11n\_20M\_Band4\_H

### 8.1. A.2.2-99% Bandwidth(NTNV)



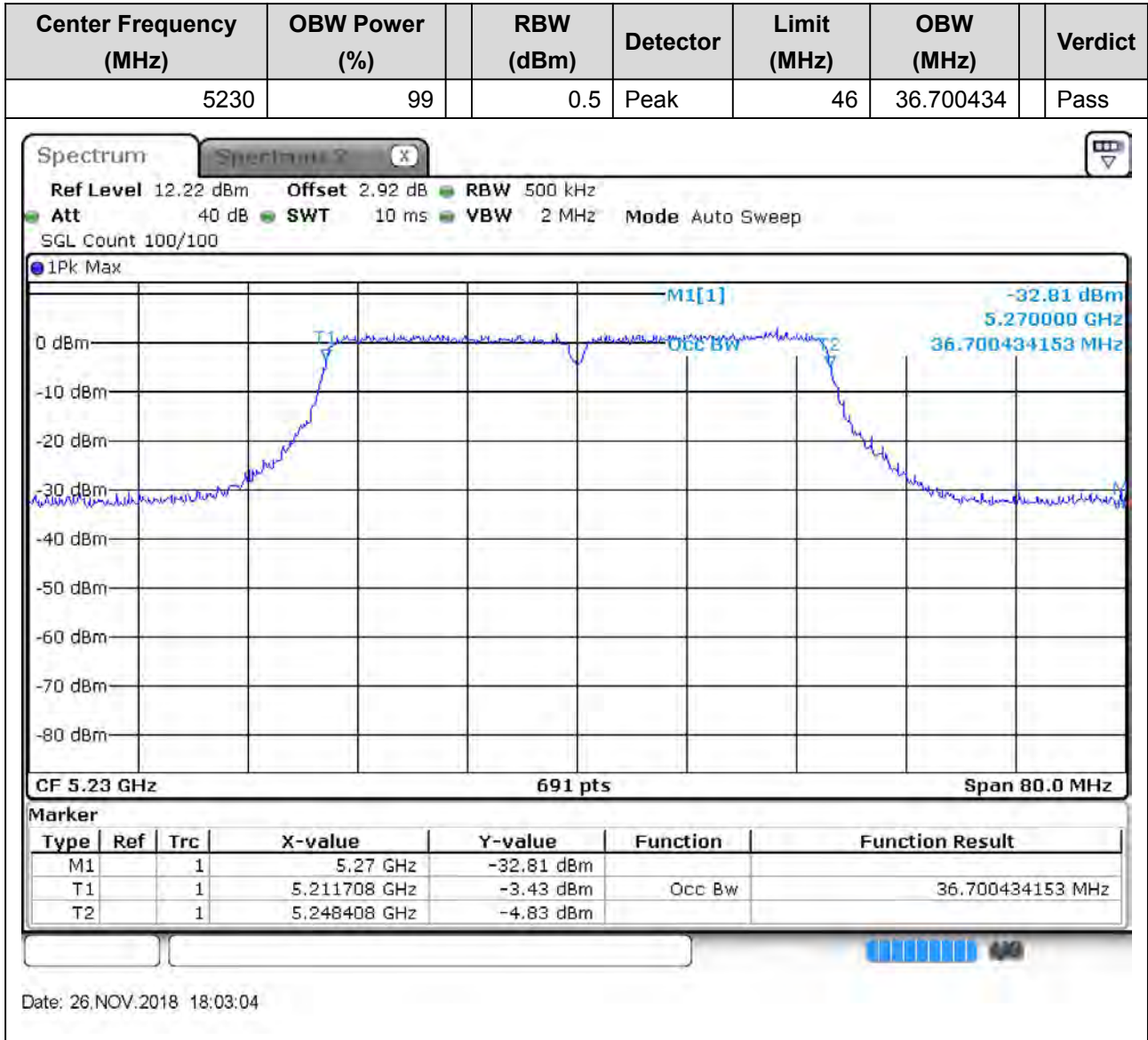
## 9. 802.11n\_40M\_Band1\_L

### 9.1. A.2.2-99% Bandwidth(NTNV)



## 10. 802.11n\_40M\_Band1\_H

### 10.1. A.2.2-99% Bandwidth(NTNV)

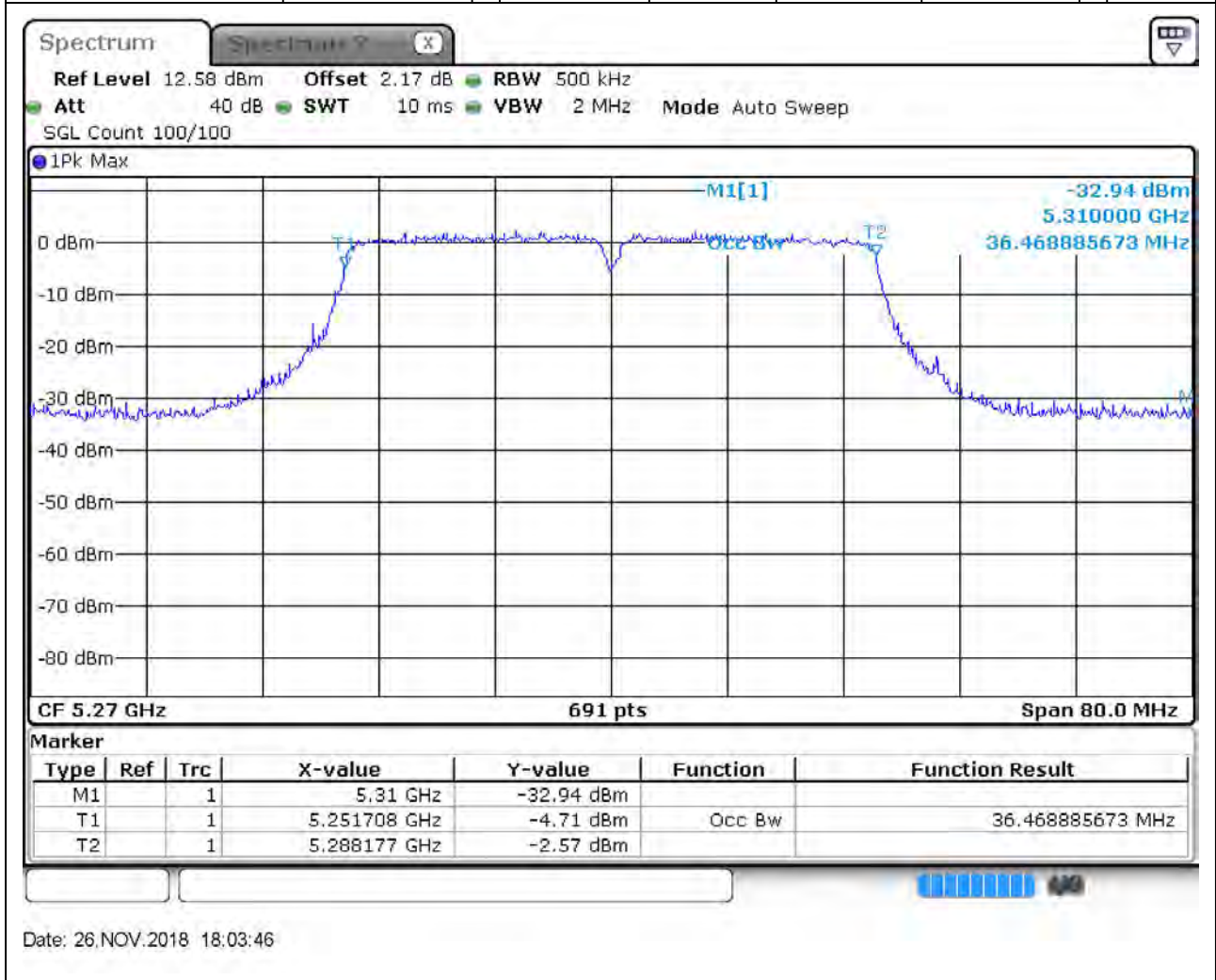




## 11. 802.11n\_40M\_Band2\_L

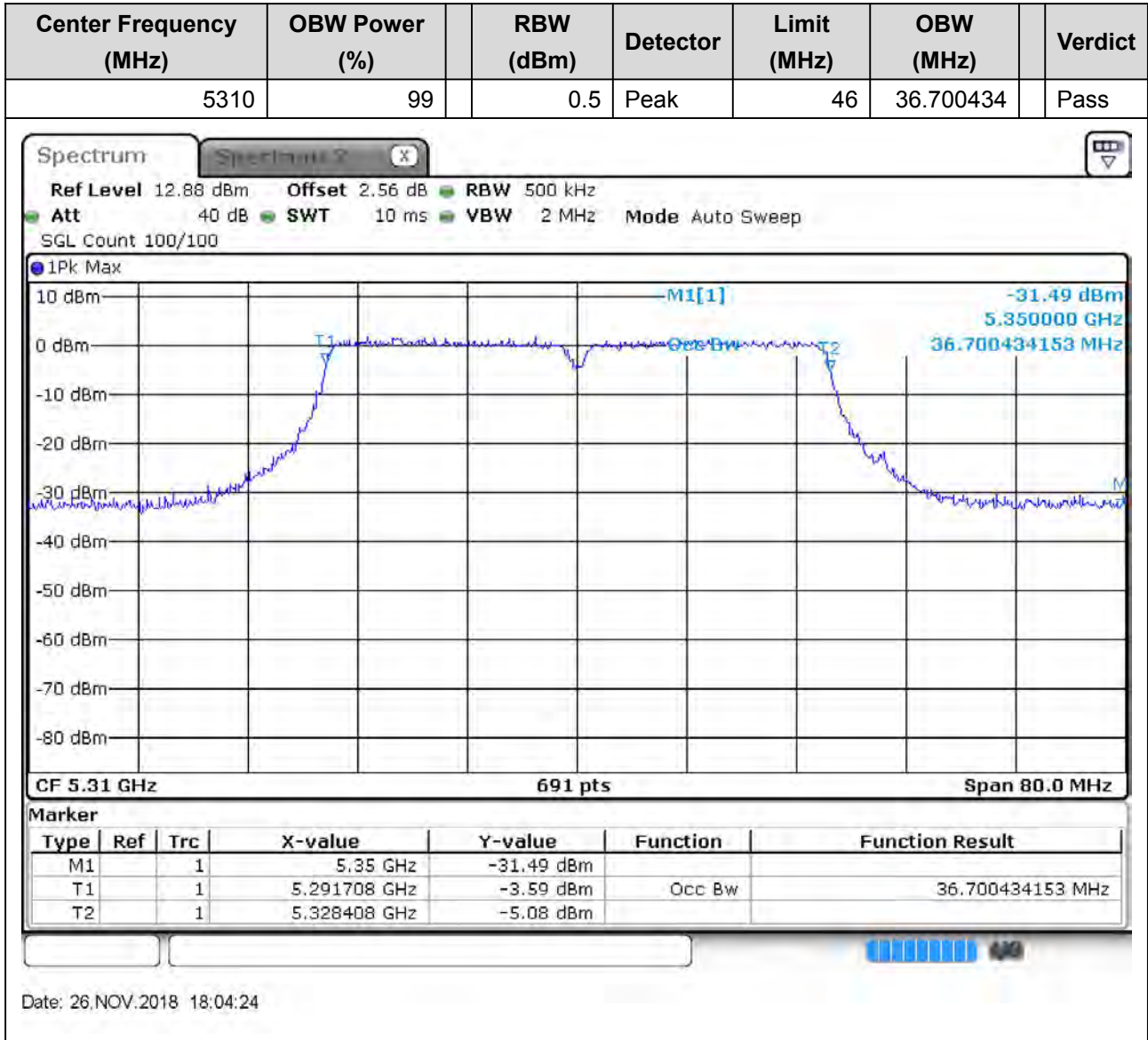
### 11.1. A.2.2-99% Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5270	99	0.5	Peak	46	36.468886	Pass



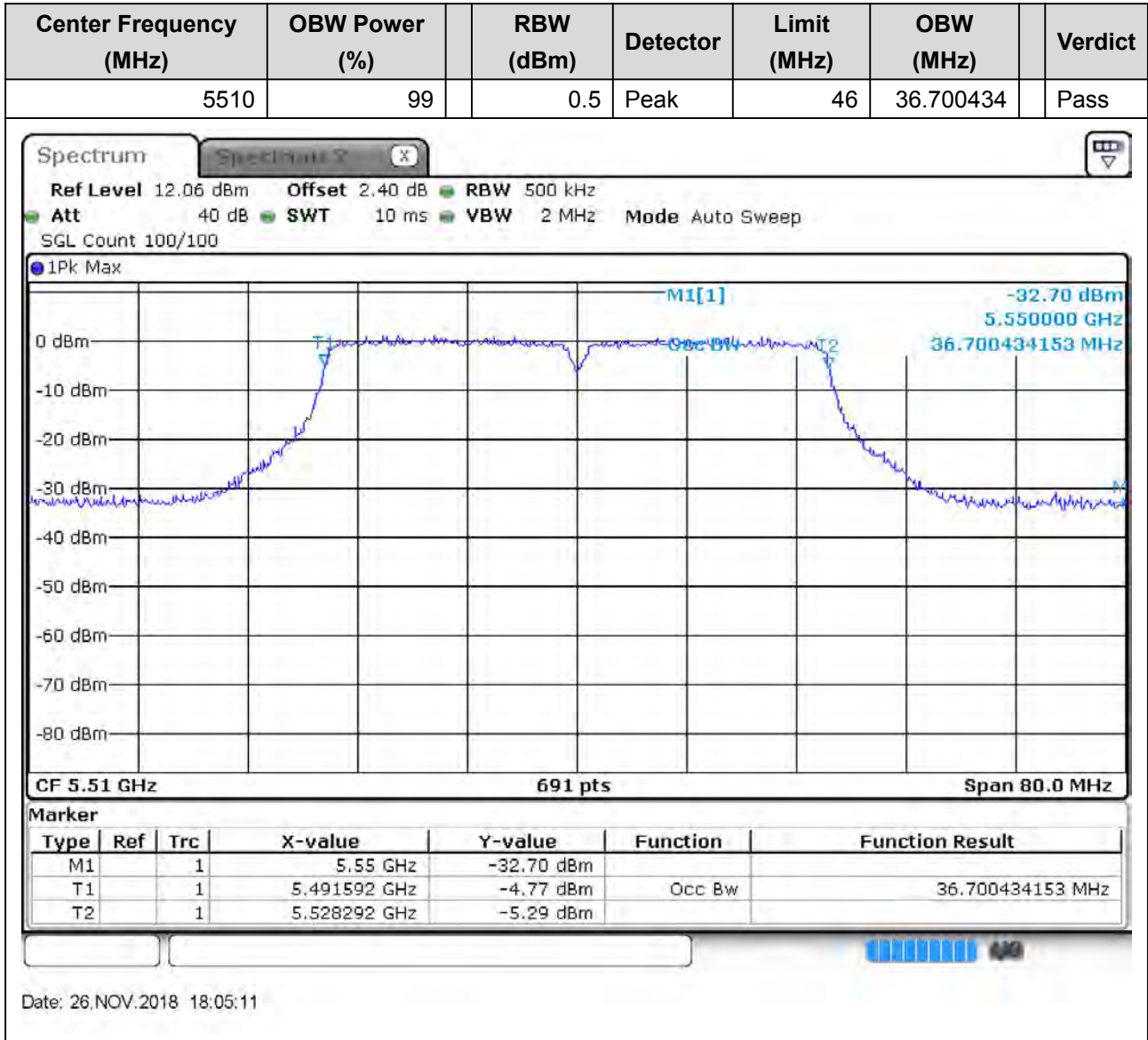
## 12. 802.11n\_40M\_Band2\_H

### 12.1. A.2.2-99% Bandwidth(NTNV)



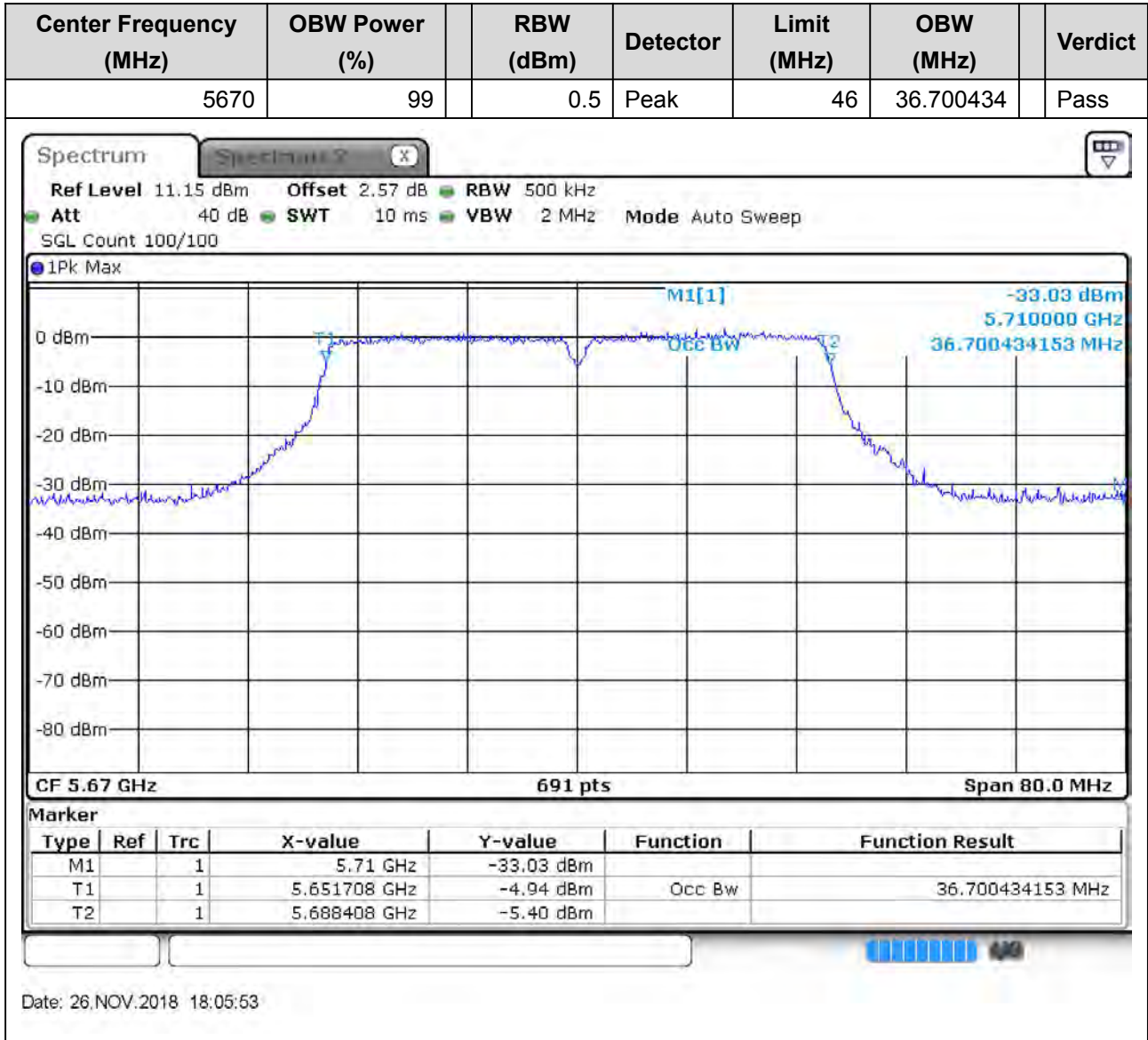
### 13. 802.11n\_40M\_Band3\_L

#### 13.1. A.2.2-99% Bandwidth(NTNV)



## 14. 802.11n\_40M\_Band3\_H

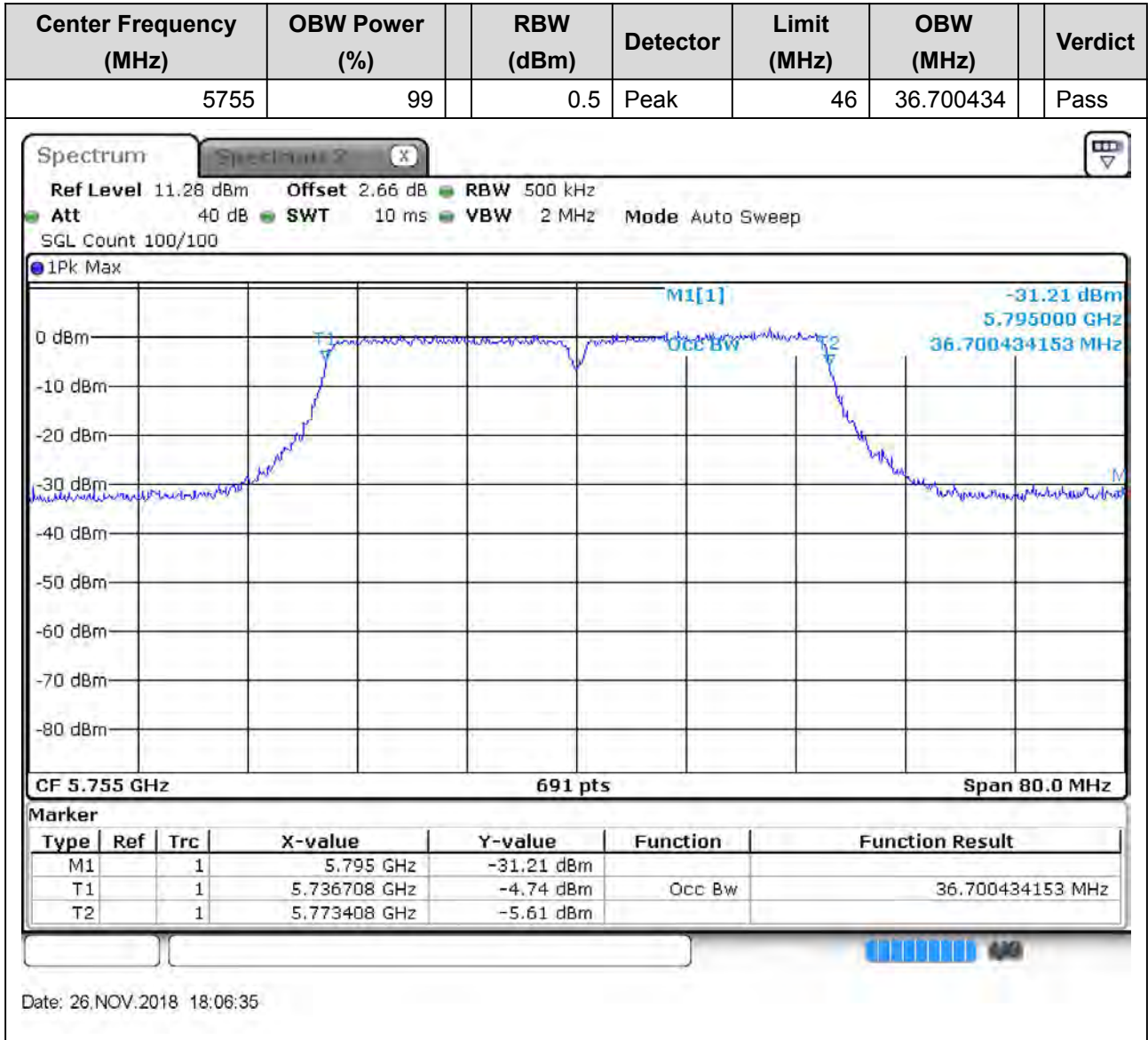
### 14.1. A.2.2-99% Bandwidth(NTNV)





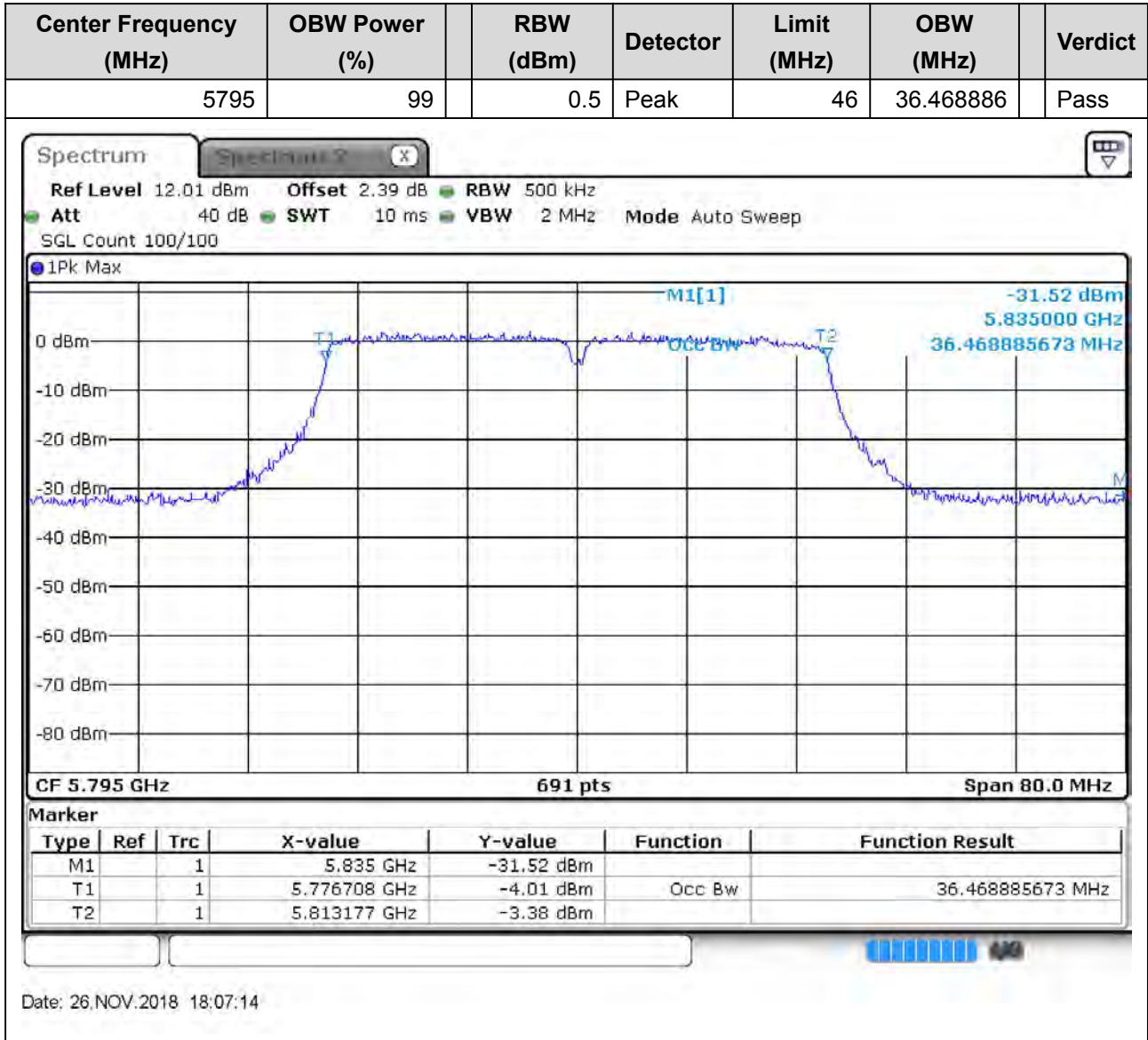
## 15. 802.11n\_40M\_Band4\_L

### 15.1. A.2.2-99% Bandwidth(NTNV)



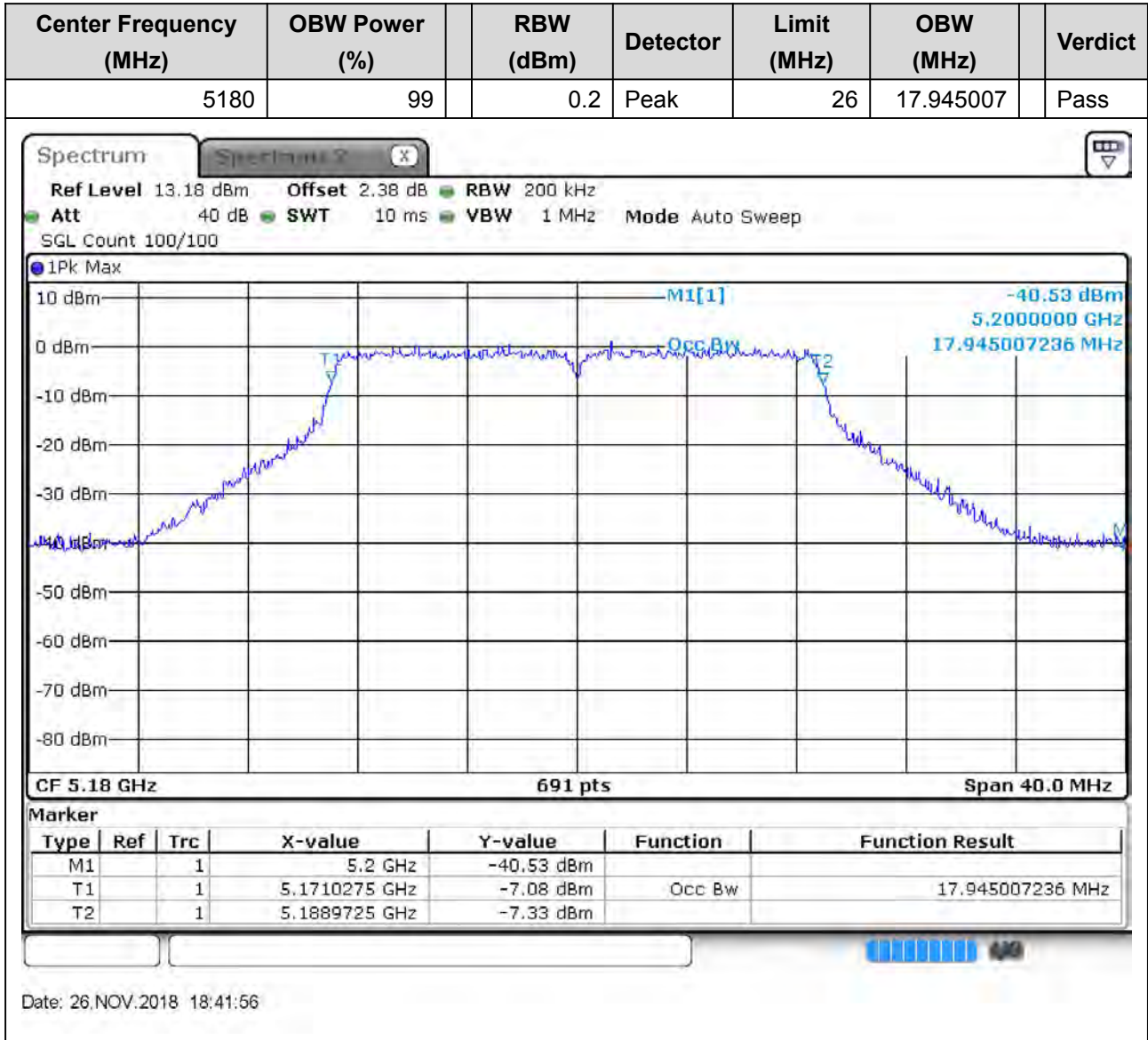
## 16. 802.11n\_40M\_Band4\_H

### 16.1. A.2.2-99% Bandwidth(NTNV)



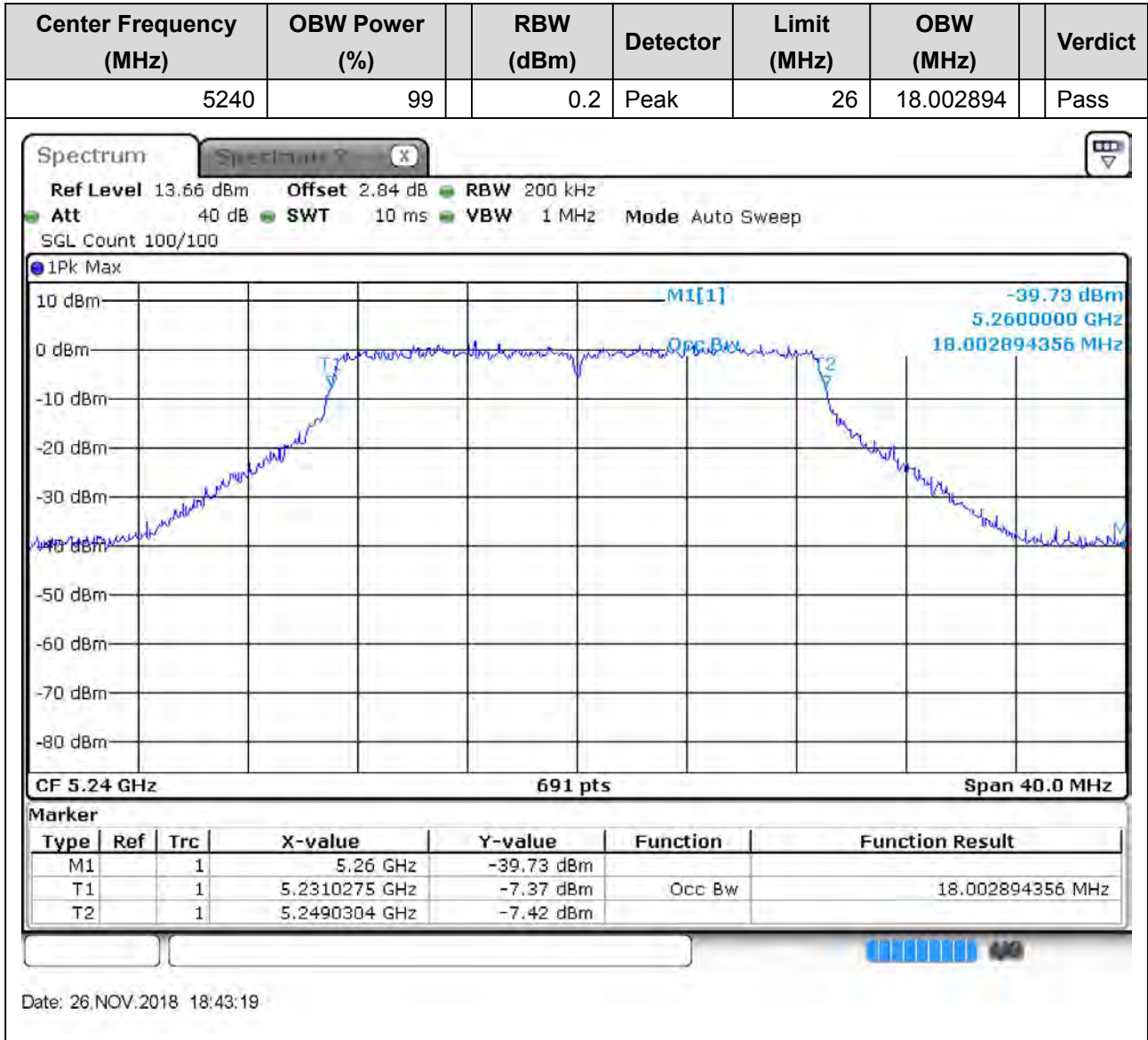
## 17. 802.11ac\_20M\_Band1\_L

### 17.1. A.2.2-99% Bandwidth(NTNV)



## 18. 802.11ac\_20M\_Band1\_H

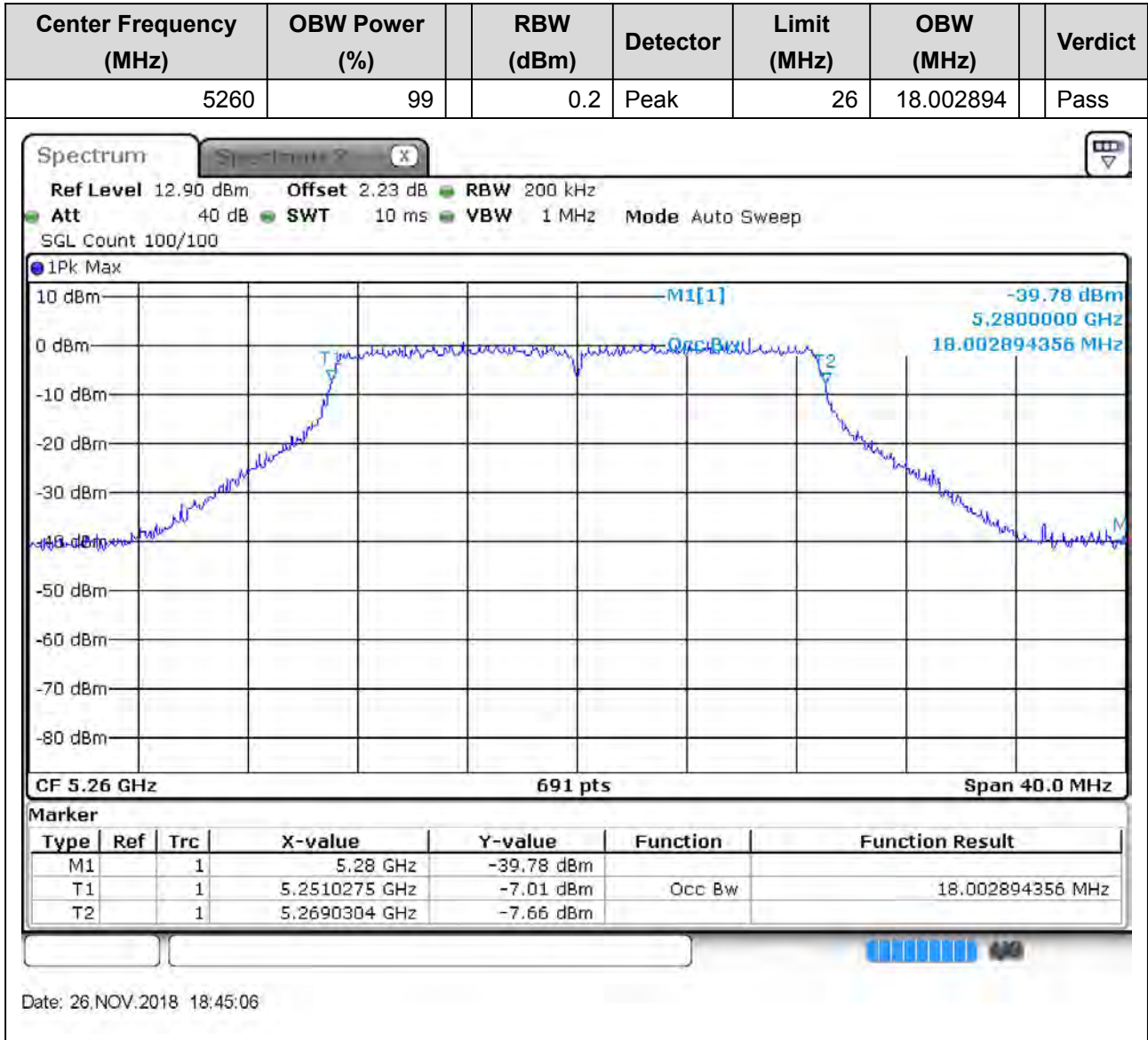
### 18.1. A.2.2-99% Bandwidth(NTNV)





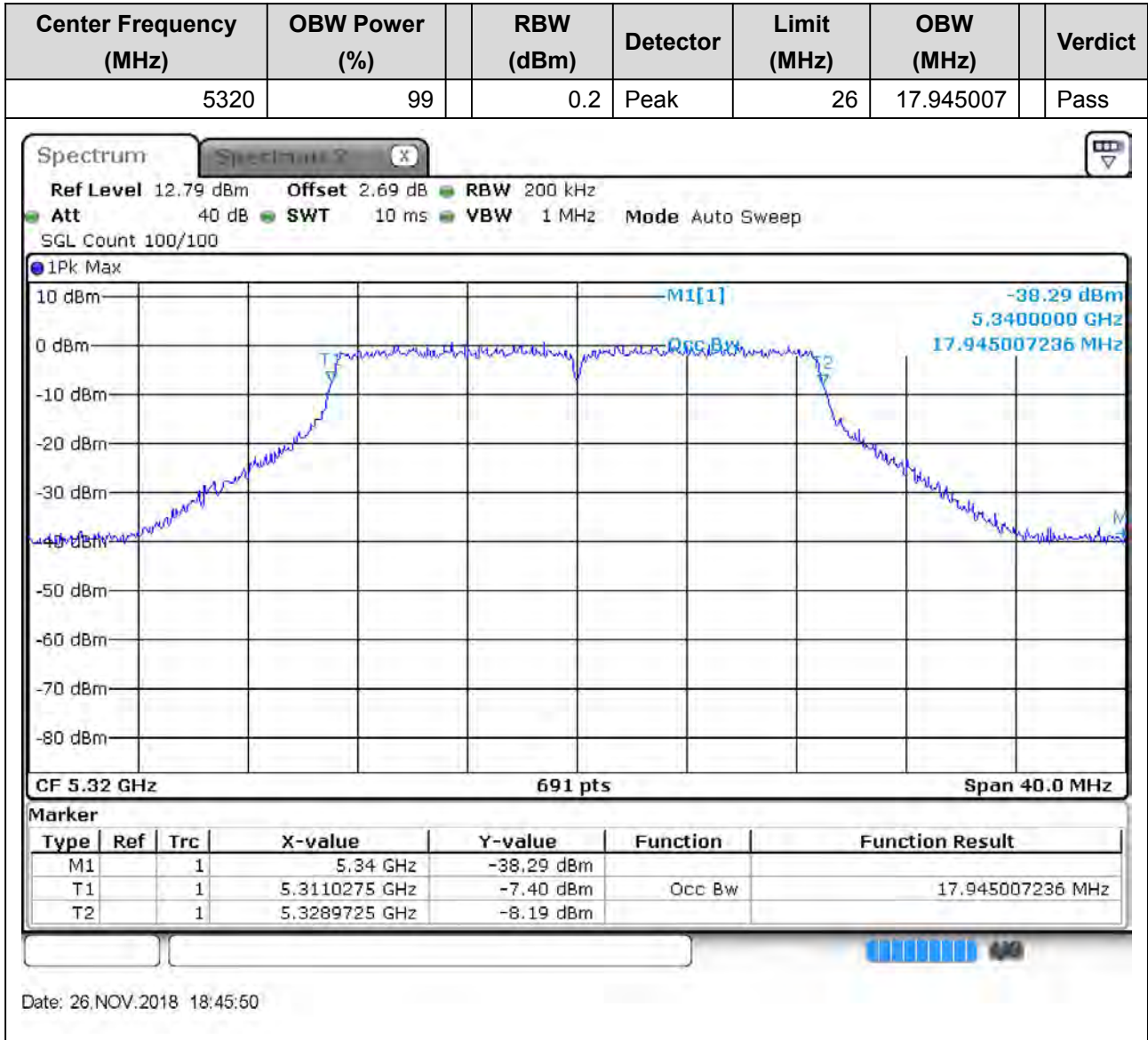
## 19. 802.11ac\_20M\_Band2\_L

### 19.1. A.2.2-99% Bandwidth(NTNV)



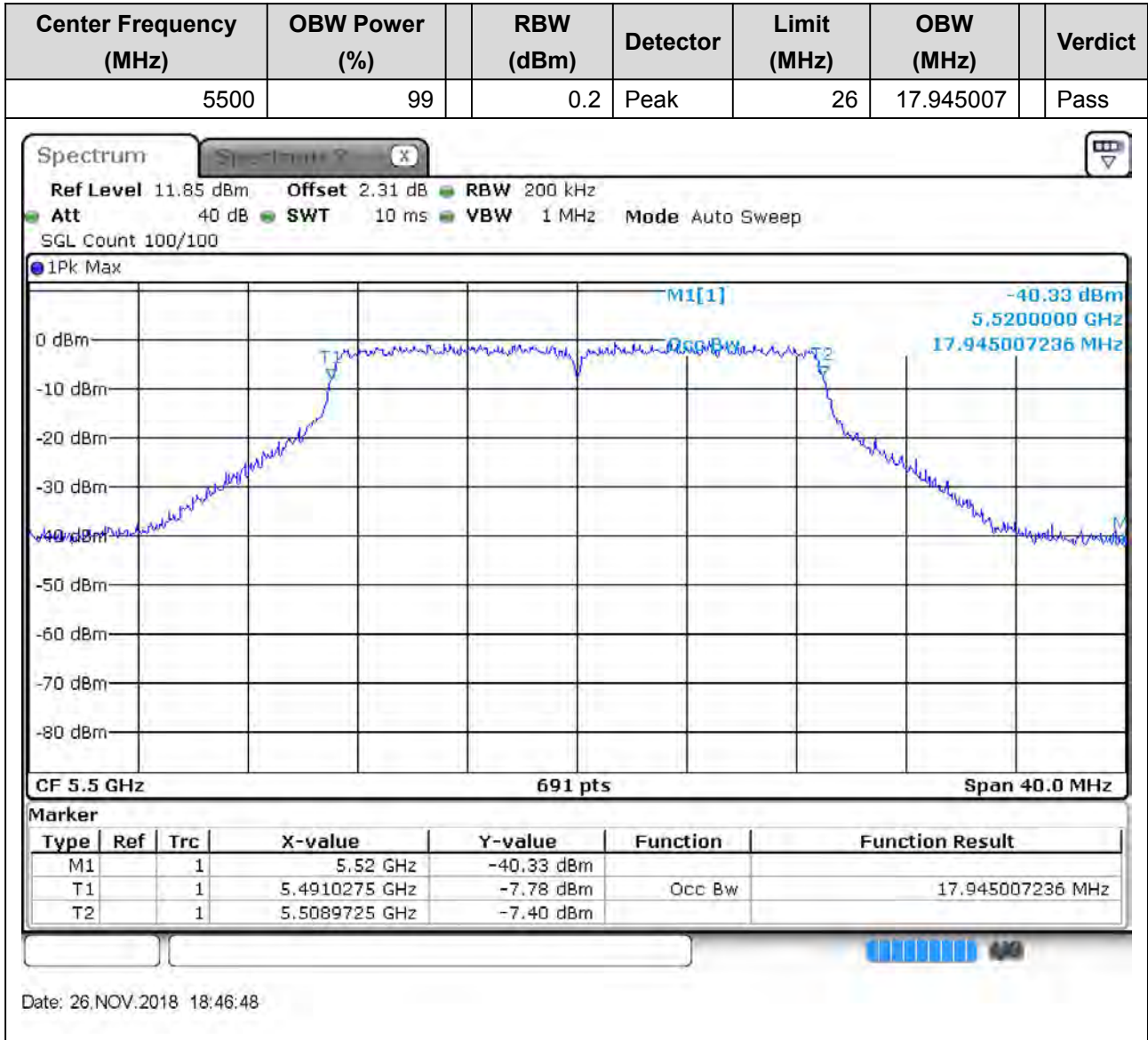
## 20. 802.11ac\_20M\_Band2\_H

### 20.1. A.2.2-99% Bandwidth(NTNV)



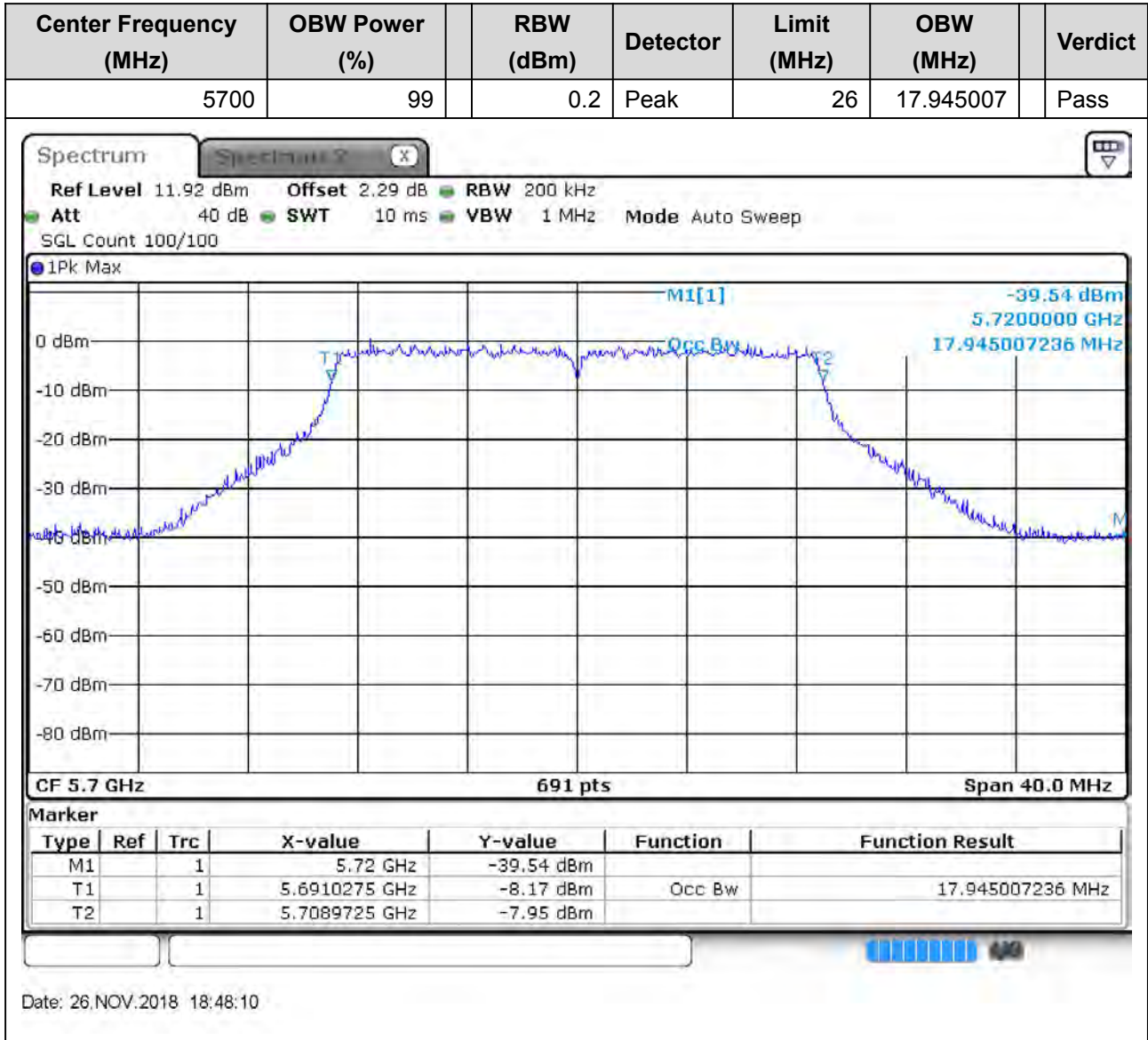
## 21. 802.11ac\_20M\_Band3\_L

### 21.1. A.2.2-99% Bandwidth(NTNV)



## 22. 802.11ac\_20M\_Band3\_H

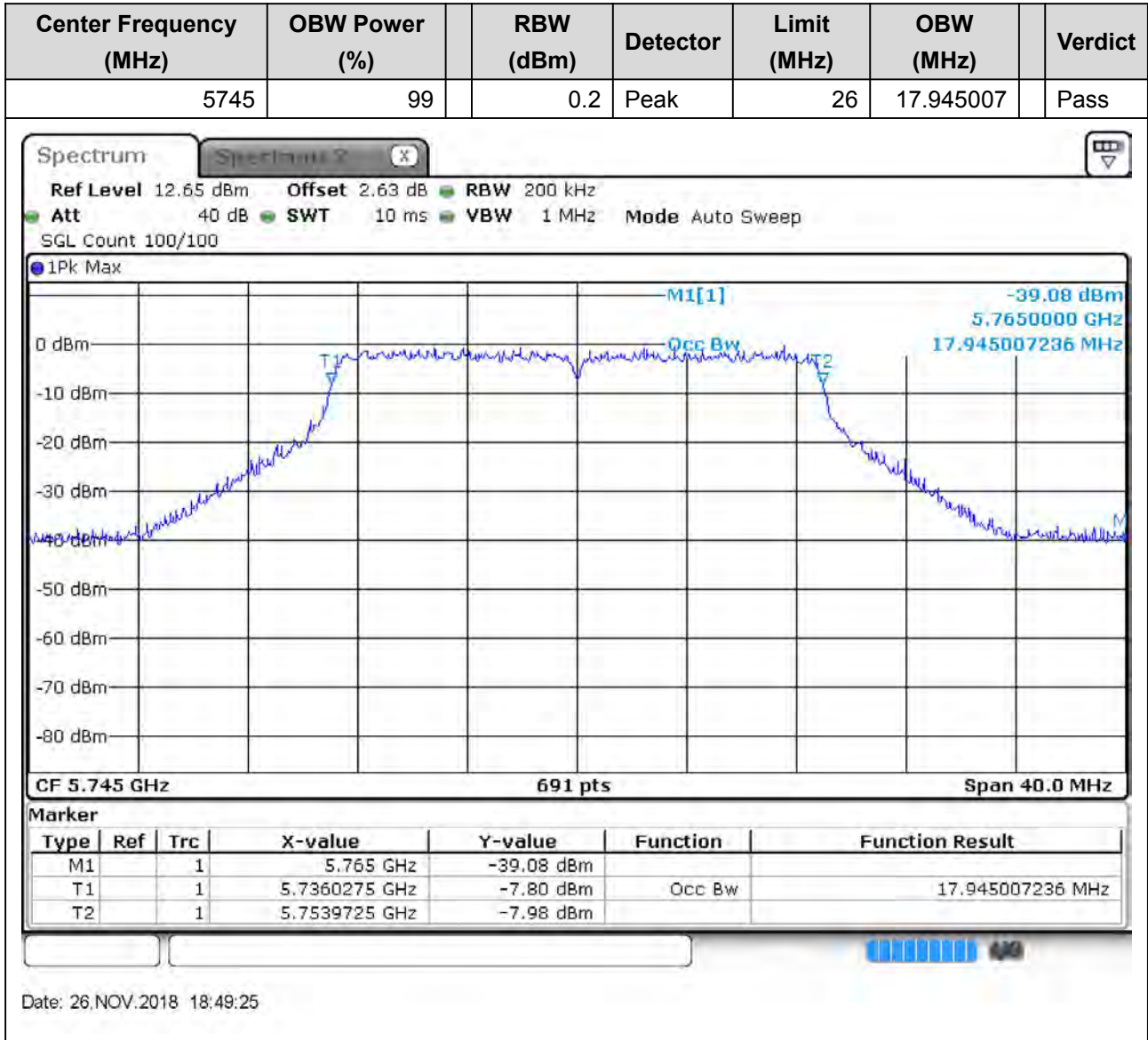
### 22.1. A.2.2-99% Bandwidth(NTNV)





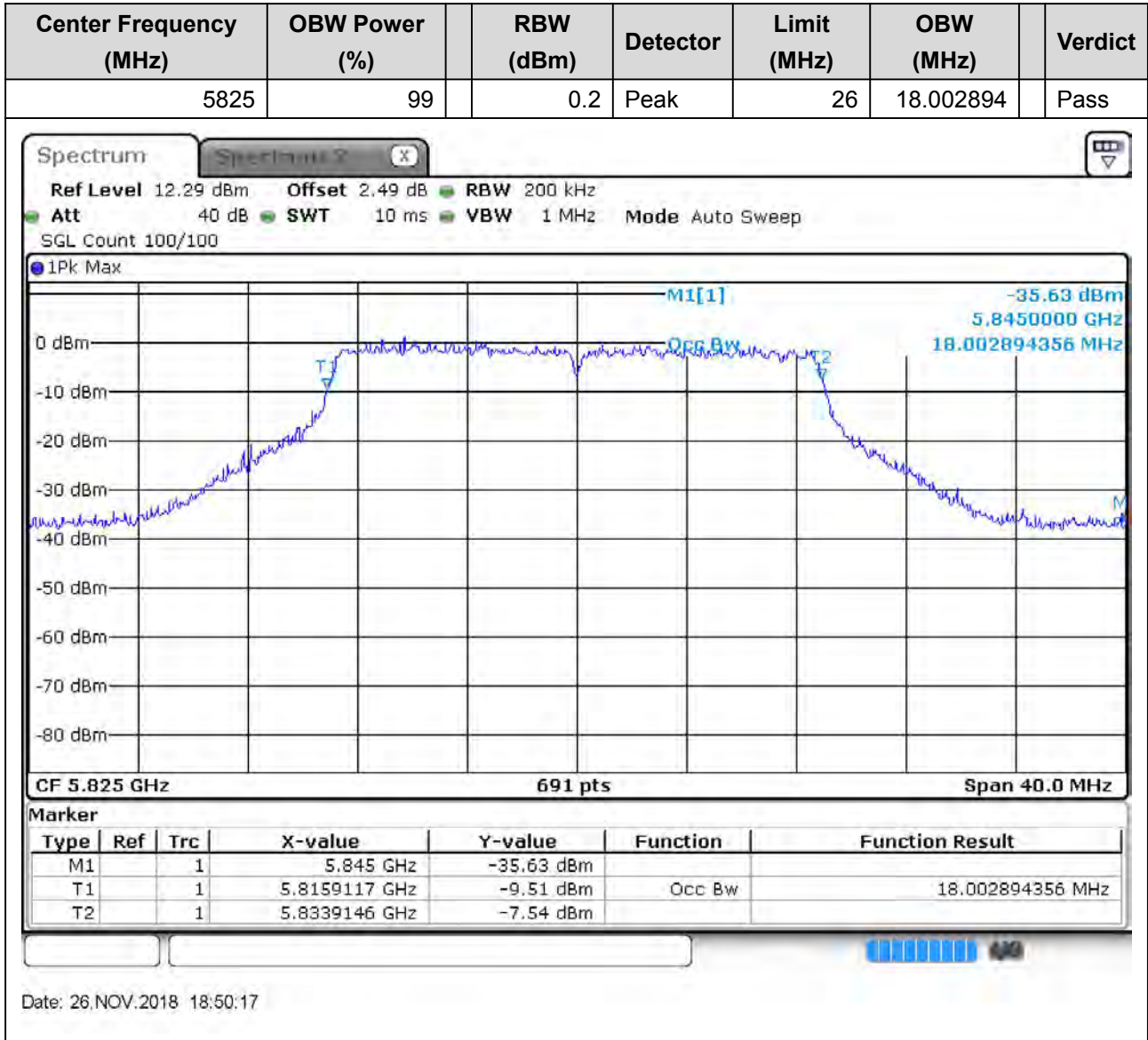
## 23. 802.11ac\_20M\_Band4\_L

### 23.1. A.2.2-99% Bandwidth(NTNV)



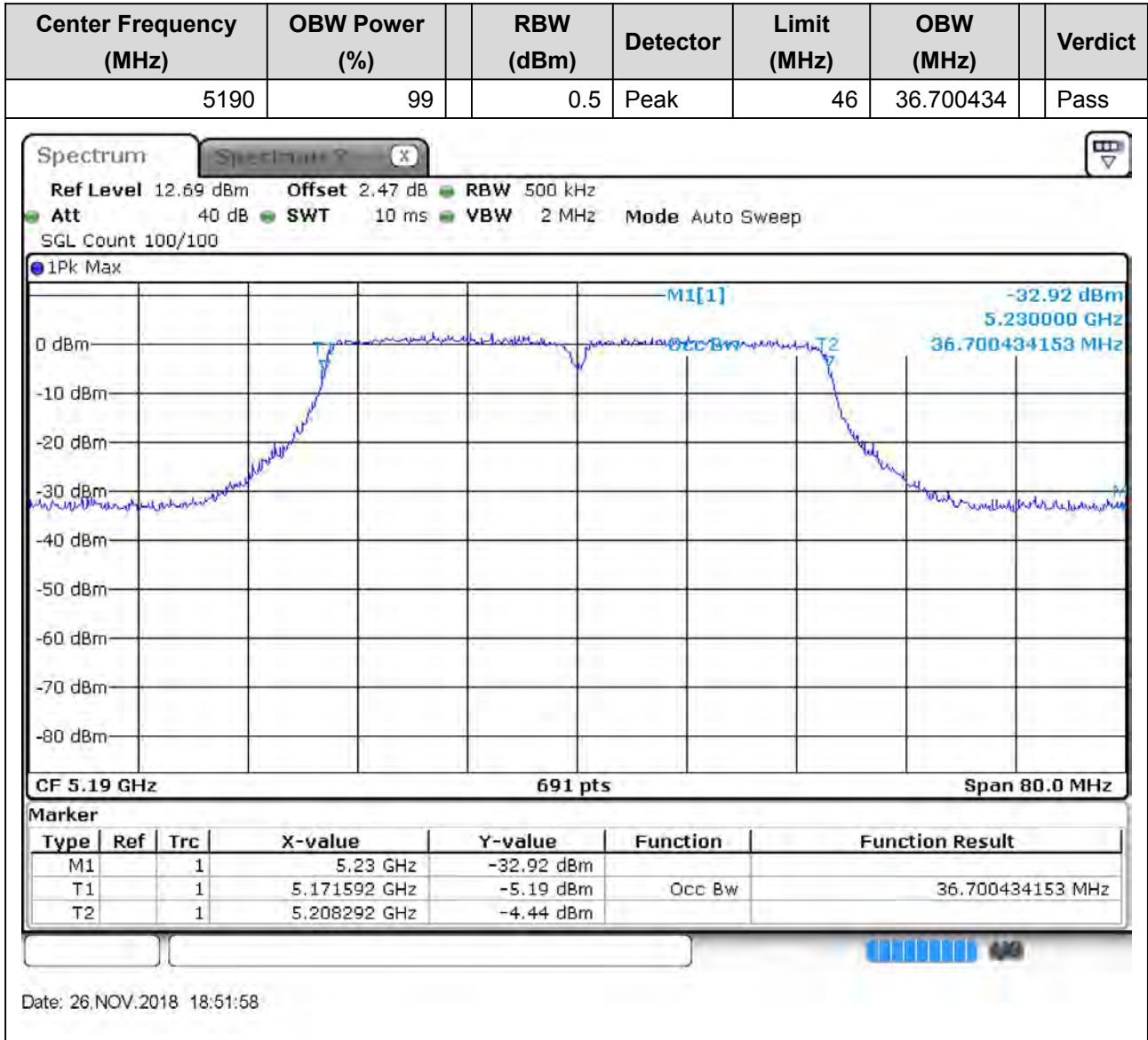
## 24. 802.11ac\_20M\_Band4\_H

### 24.1. A.2.2-99% Bandwidth(NTNV)



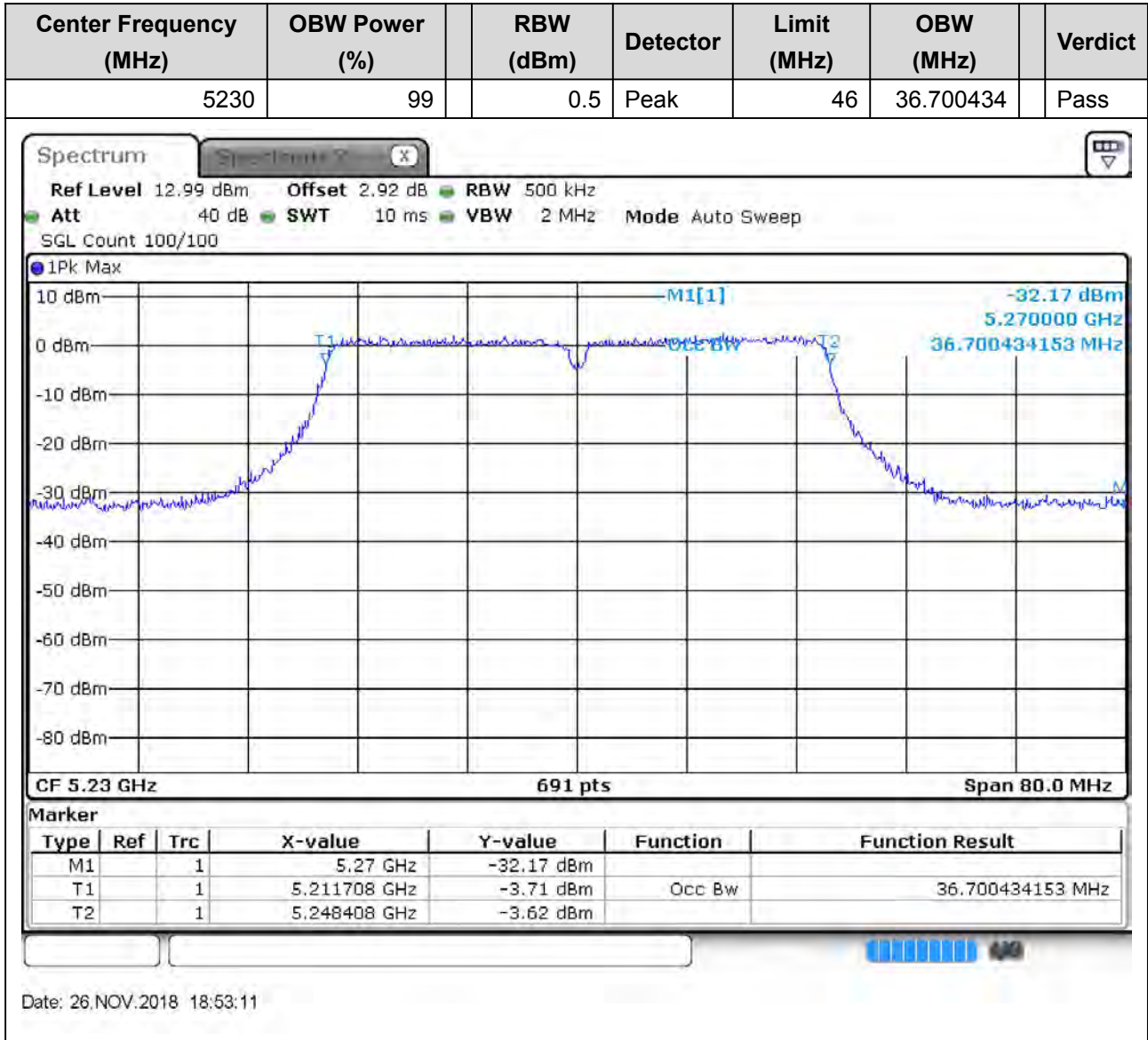
## 25. 802.11ac\_40M\_Band1\_L

### 25.1. A.2.2-99% Bandwidth(NTNV)



## 26. 802.11ac\_40M\_Band1\_H

### 26.1. A.2.2-99% Bandwidth(NTNV)

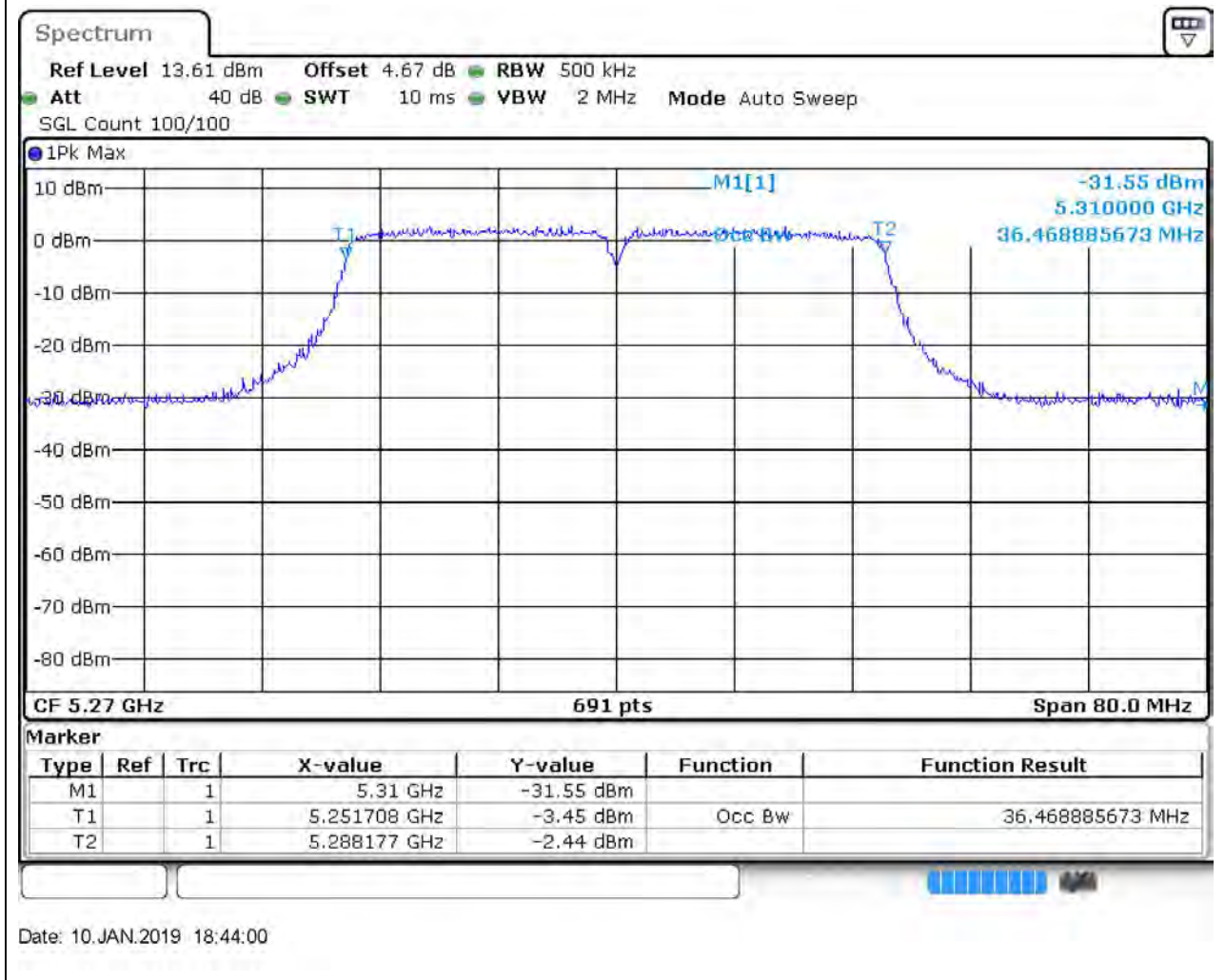




## 27. 802.11ac\_40M\_Band2\_L

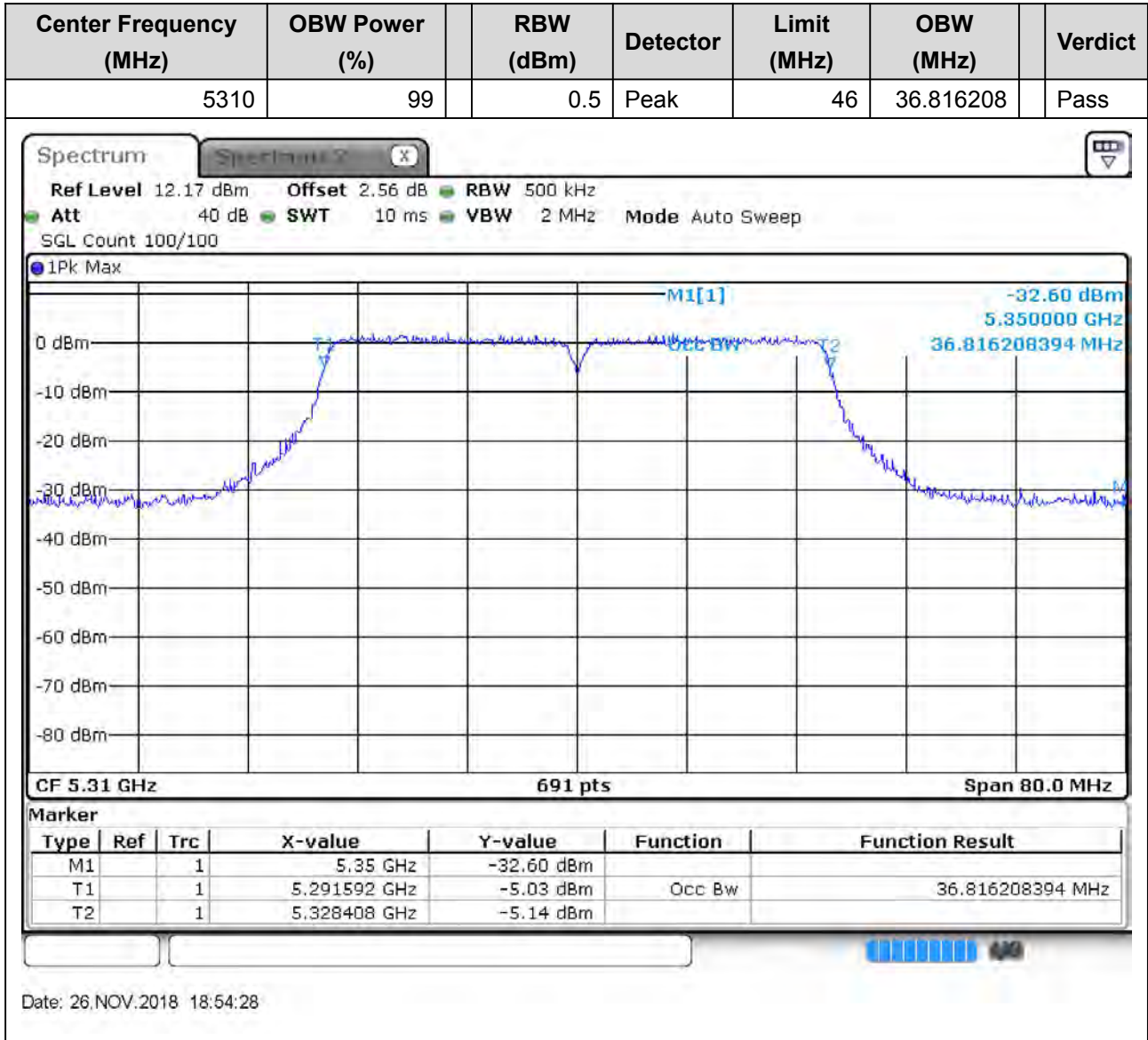
### 27.1. A.2.2-99% Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5270	99	0.5	Peak	46	36.468886	Pass



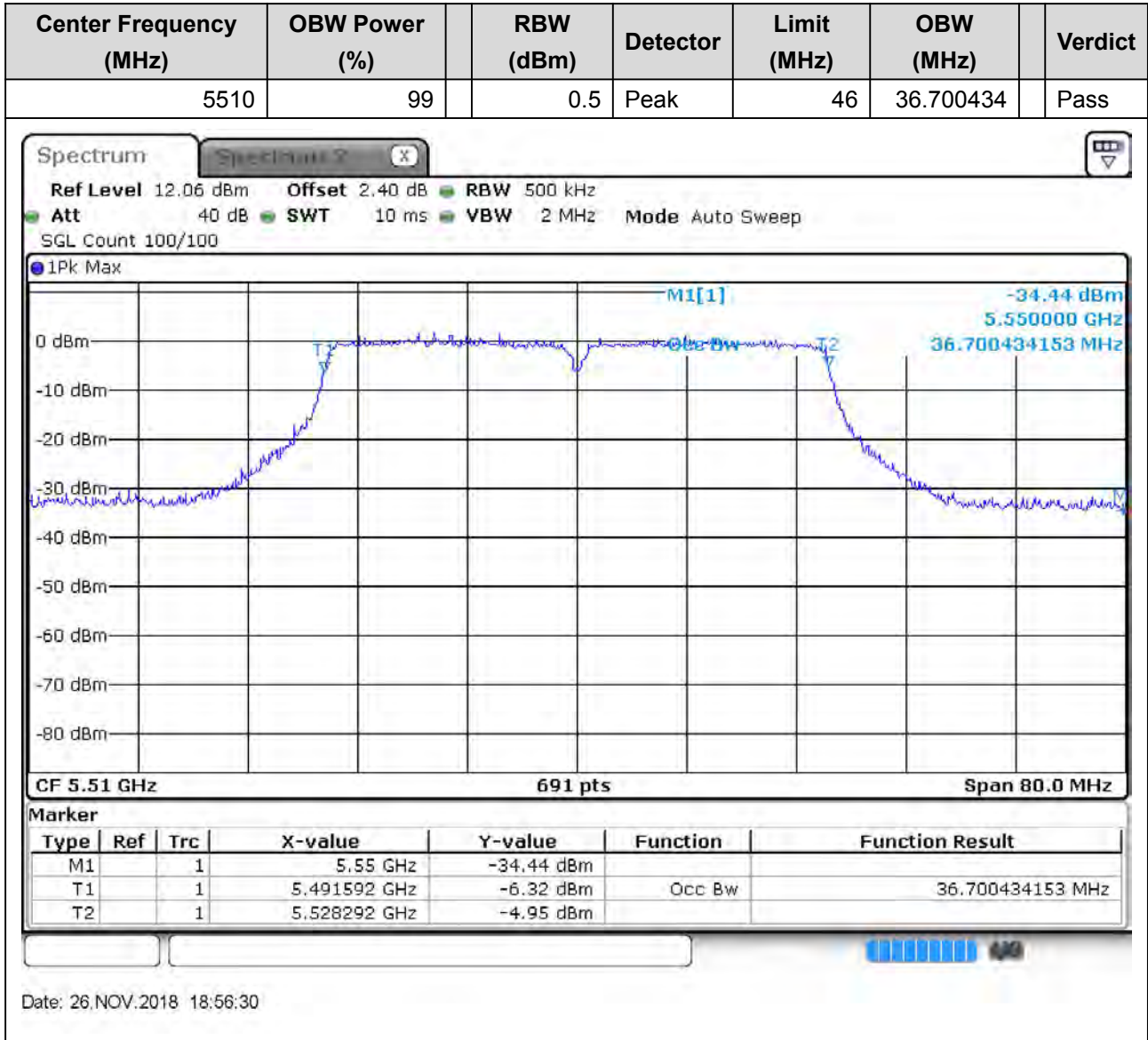
## 27. 802.11ac\_40M\_Band2\_H

### 27.1. A.2.2-99% Bandwidth(NTNV)



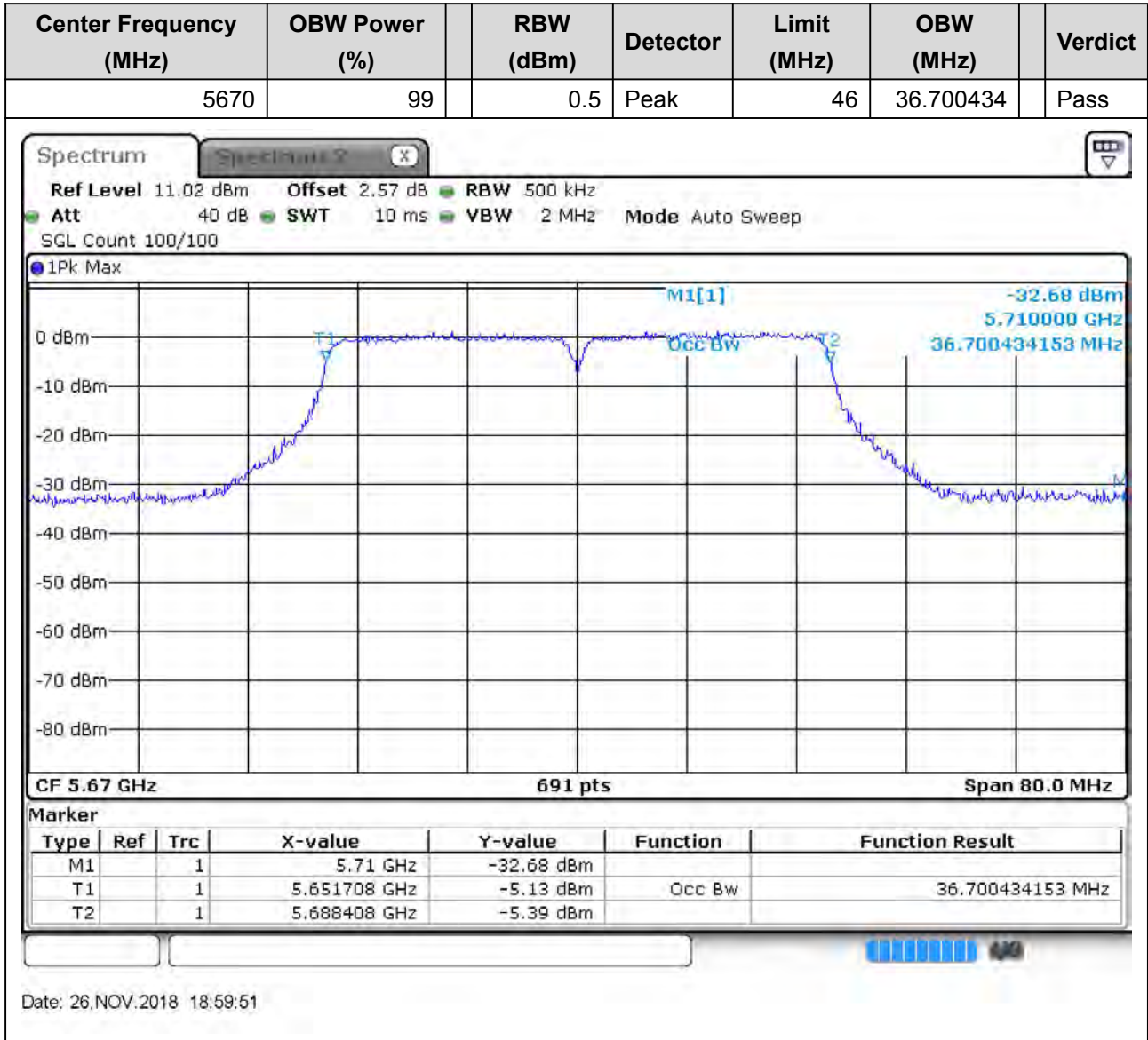
## 28. 802.11ac\_40M\_Band3\_L

### 28.1. A.2.2-99% Bandwidth(NTNV)



## 29. 802.11ac\_40M\_Band3\_H

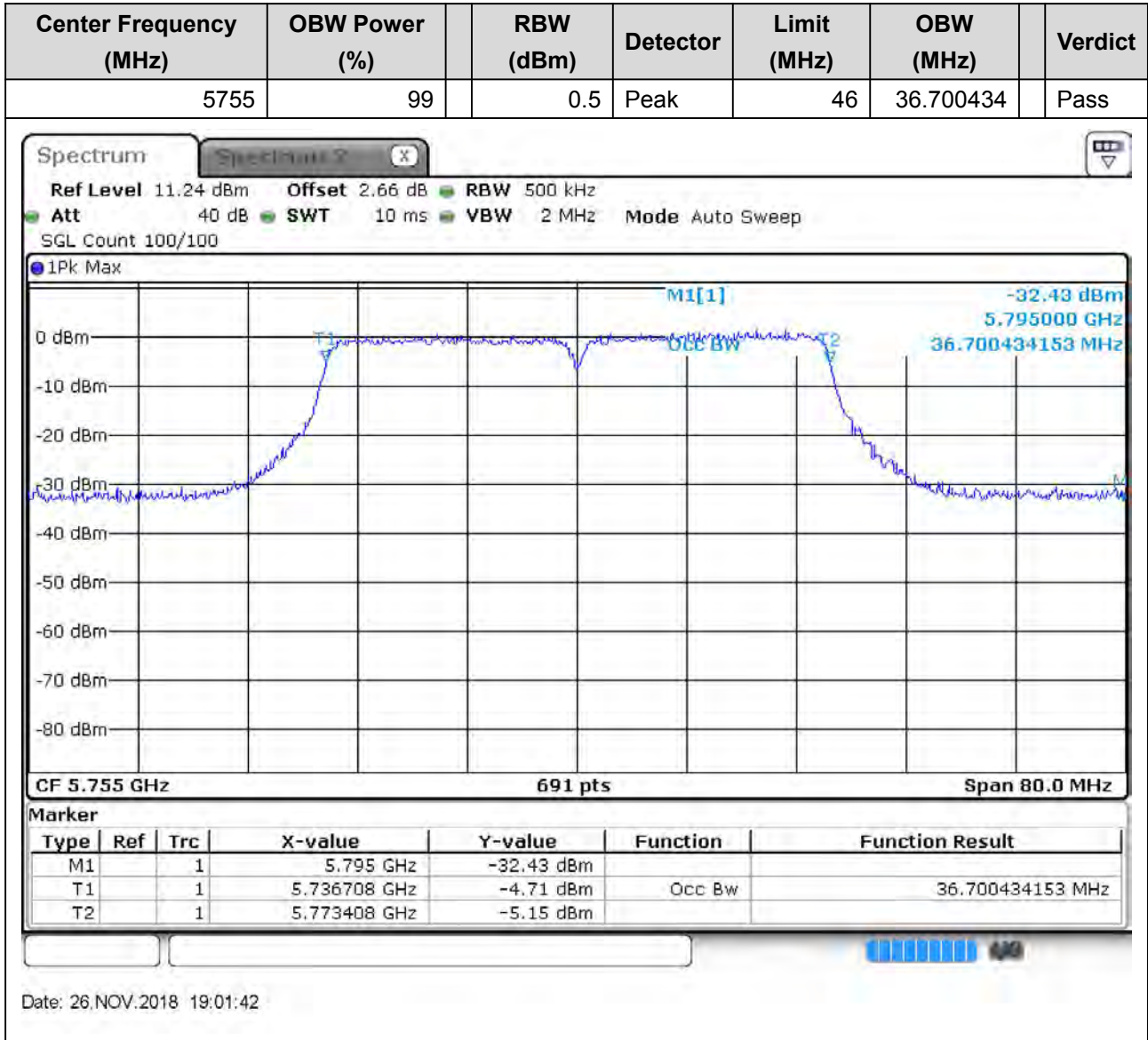
### 29.1. A.2.2-99% Bandwidth(NTNV)





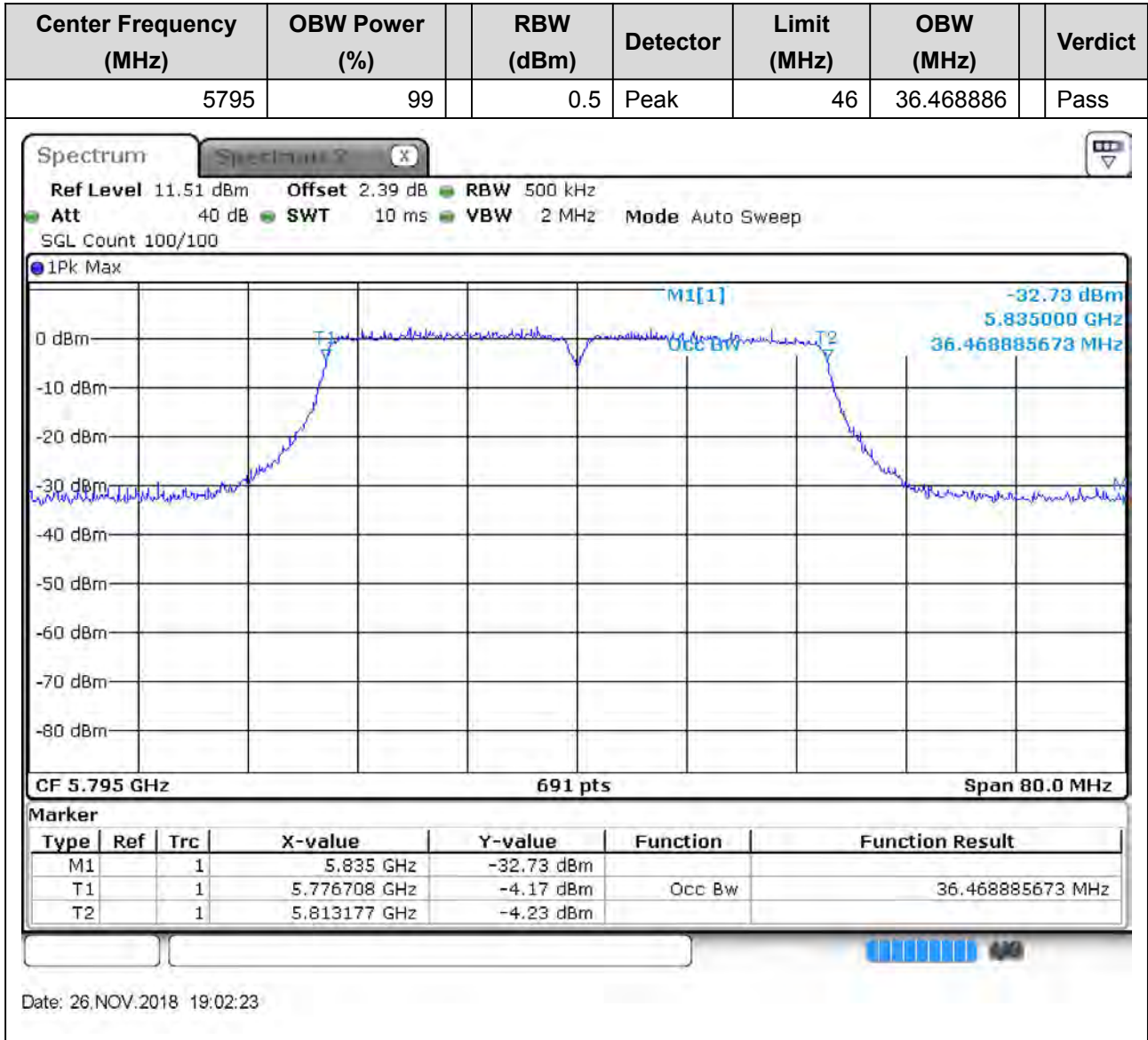
### 30. 802.11ac\_40M\_Band4\_L

#### 30.1. A.2.2-99% Bandwidth(NTNV)



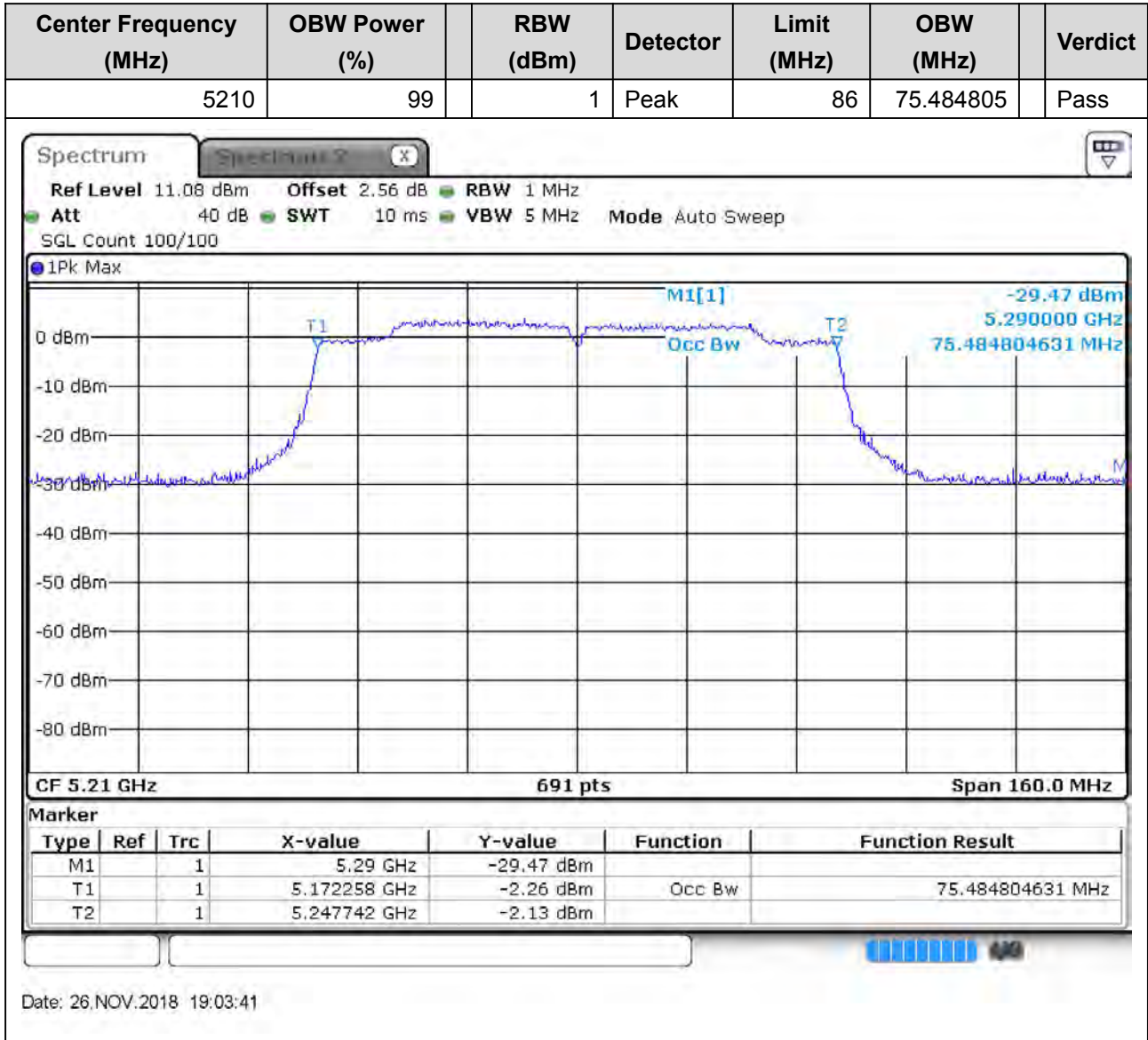
### 31. 802.11ac\_40M\_Band4\_H

#### 31.1. A.2.2-99% Bandwidth(NTNV)



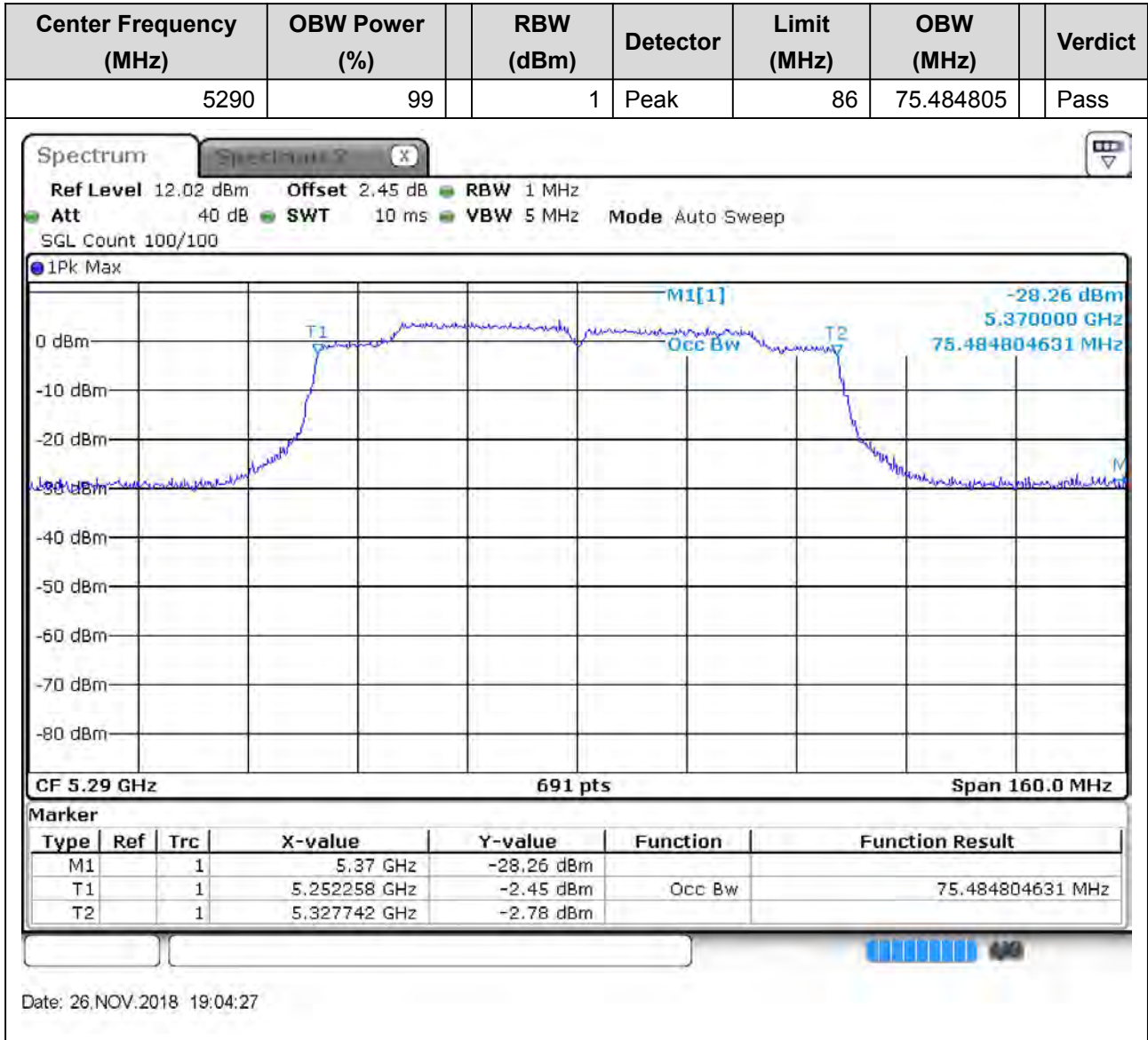
## 32. 802.11ac\_80M\_Band1\_M

### 32.1. A.2.2-99% Bandwidth(NTNV)



### 33. 802.11ac\_80M\_Band2\_M

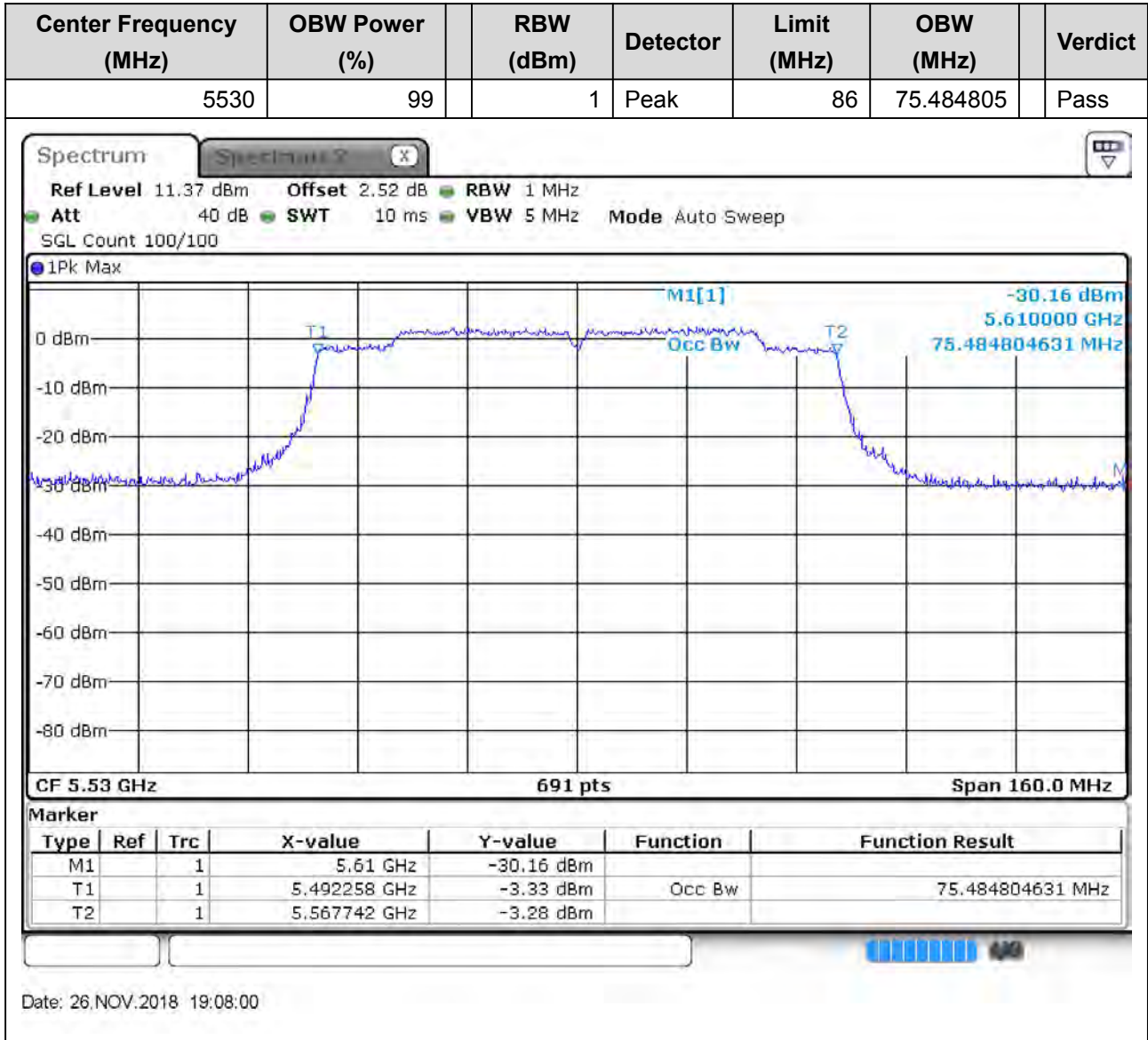
#### 33.1. A.2.2-99% Bandwidth(NTNV)





### 34. 802.11ac\_80M\_Band3\_L

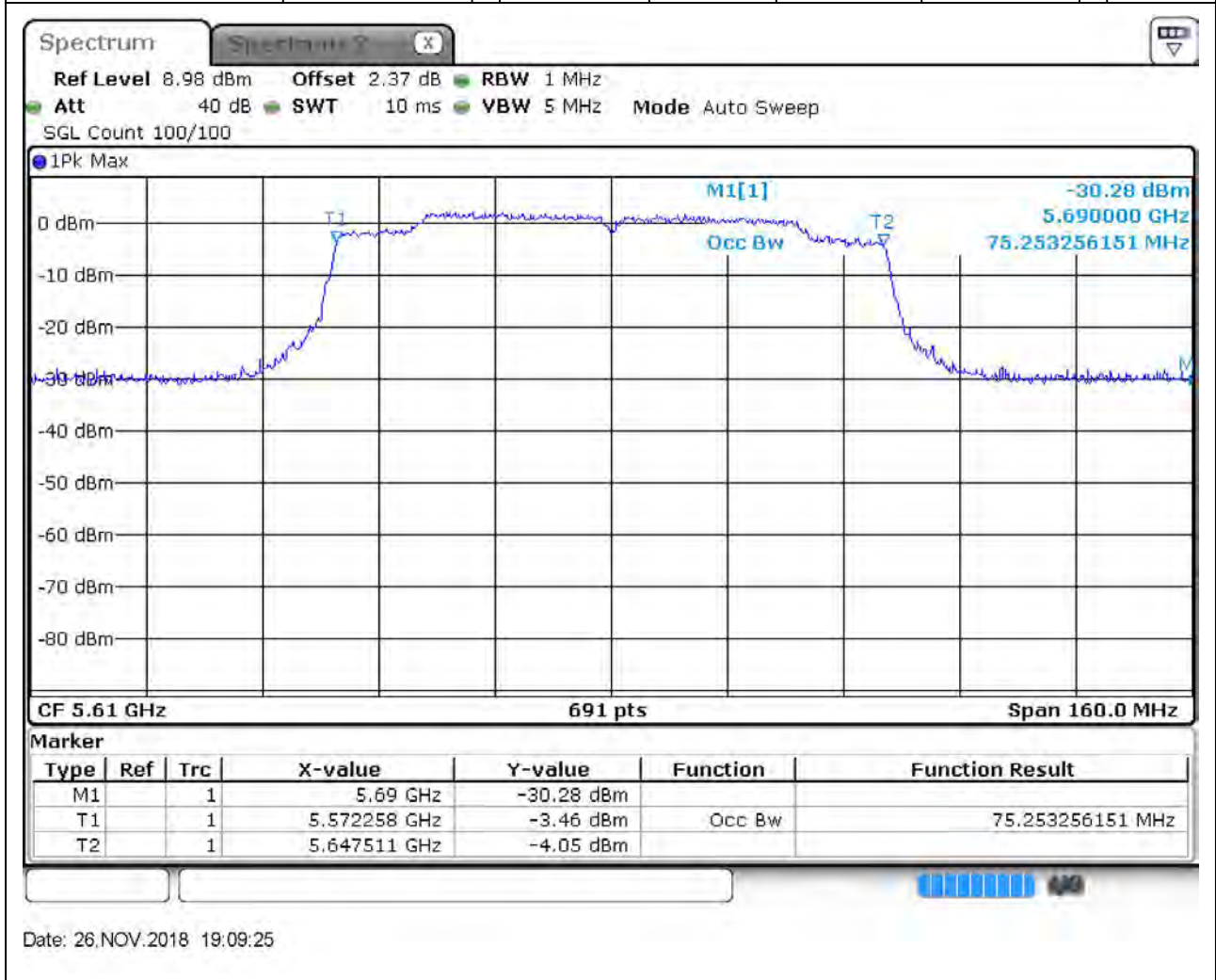
#### 34.1. A.2.2-99% Bandwidth(NTNV)



### 35. 802.11ac\_80M\_Band3\_M

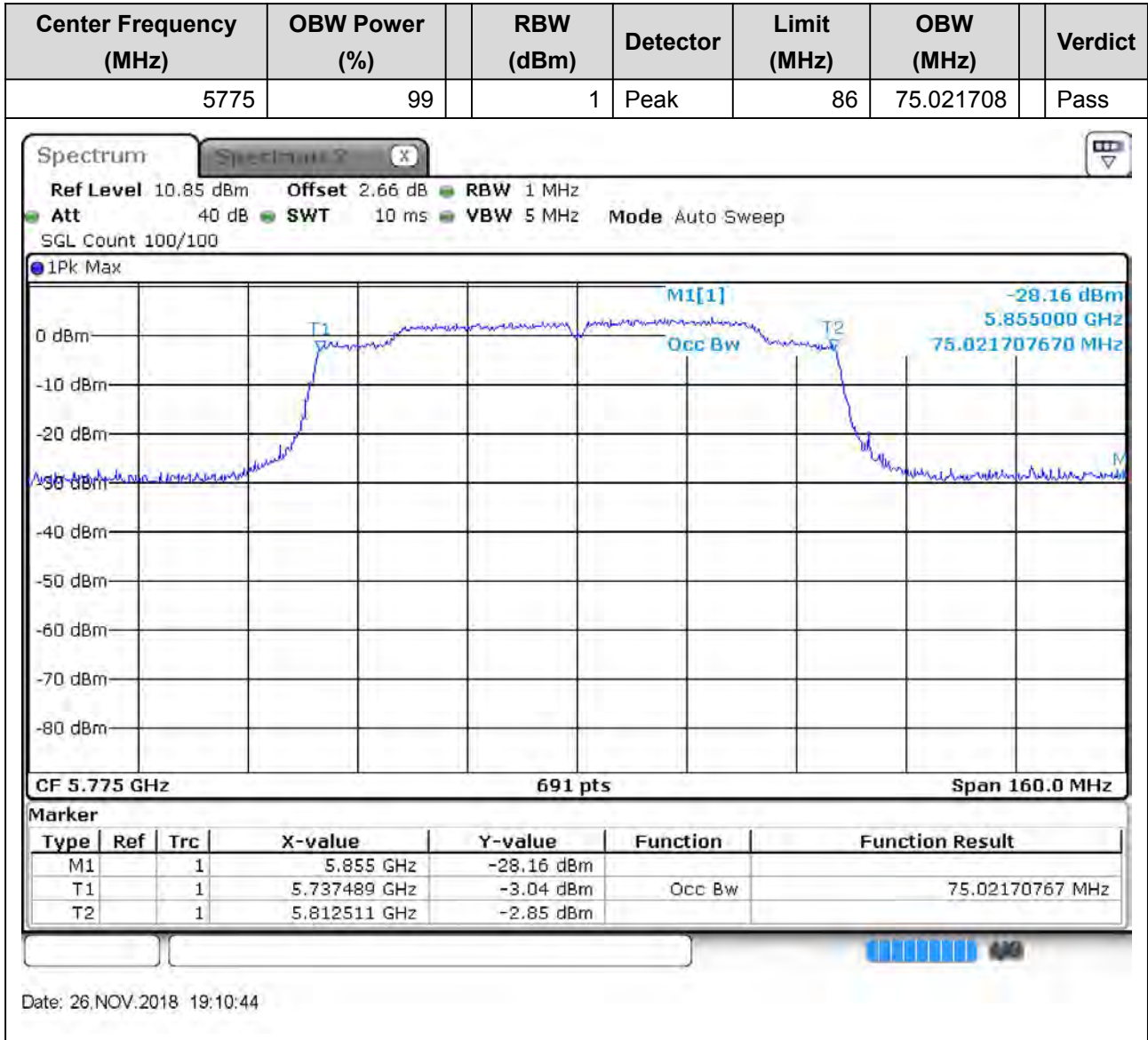
#### 35.1. A.2.2-99% Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5610	99	1	Peak	86	75.253256	Pass



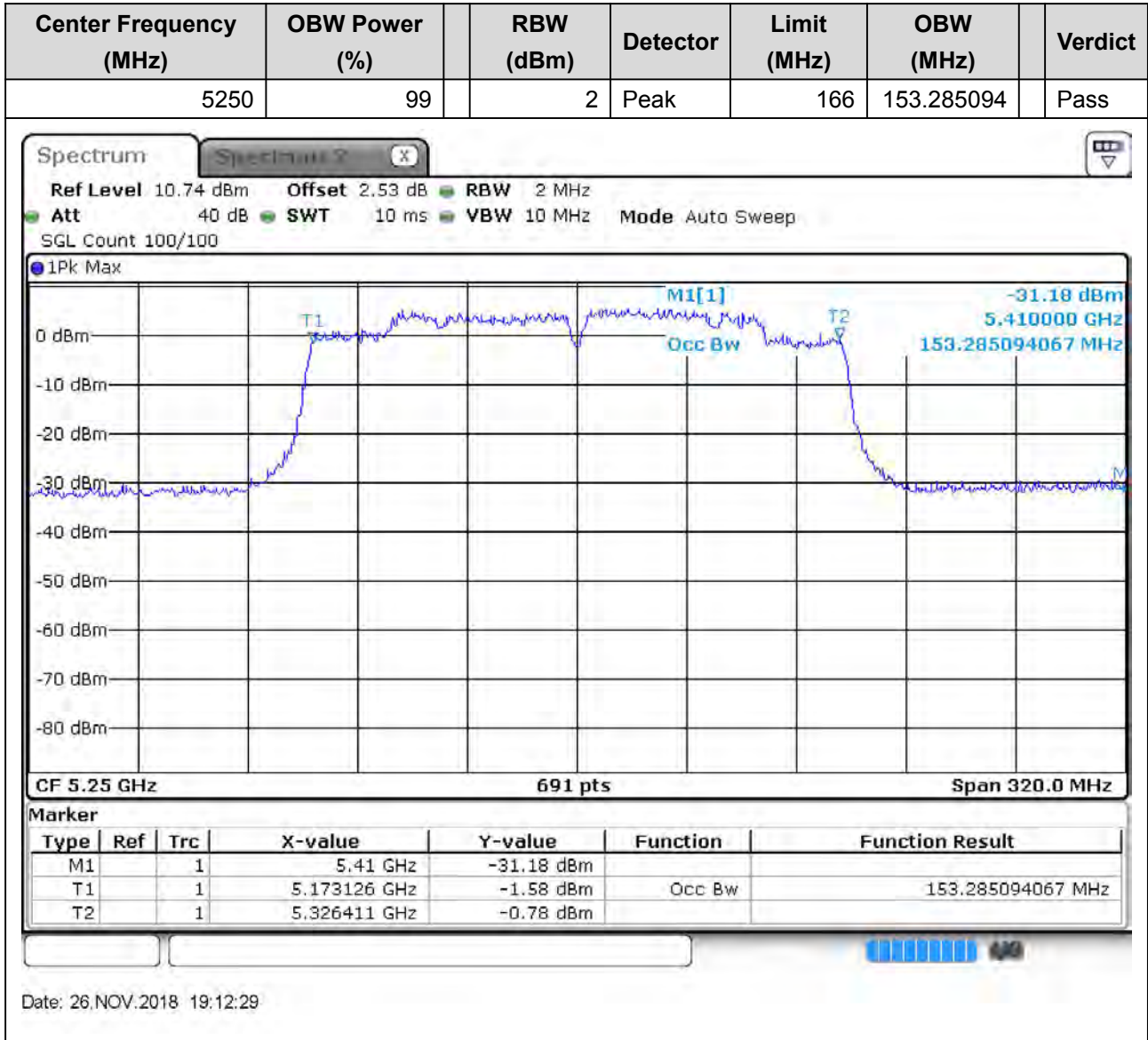
### 36. 802.11ac\_80M\_Band4\_M

#### 36.1. A.2.2-99% Bandwidth(NTNV)



### 37. 802.11ac\_160M\_Band2\_M

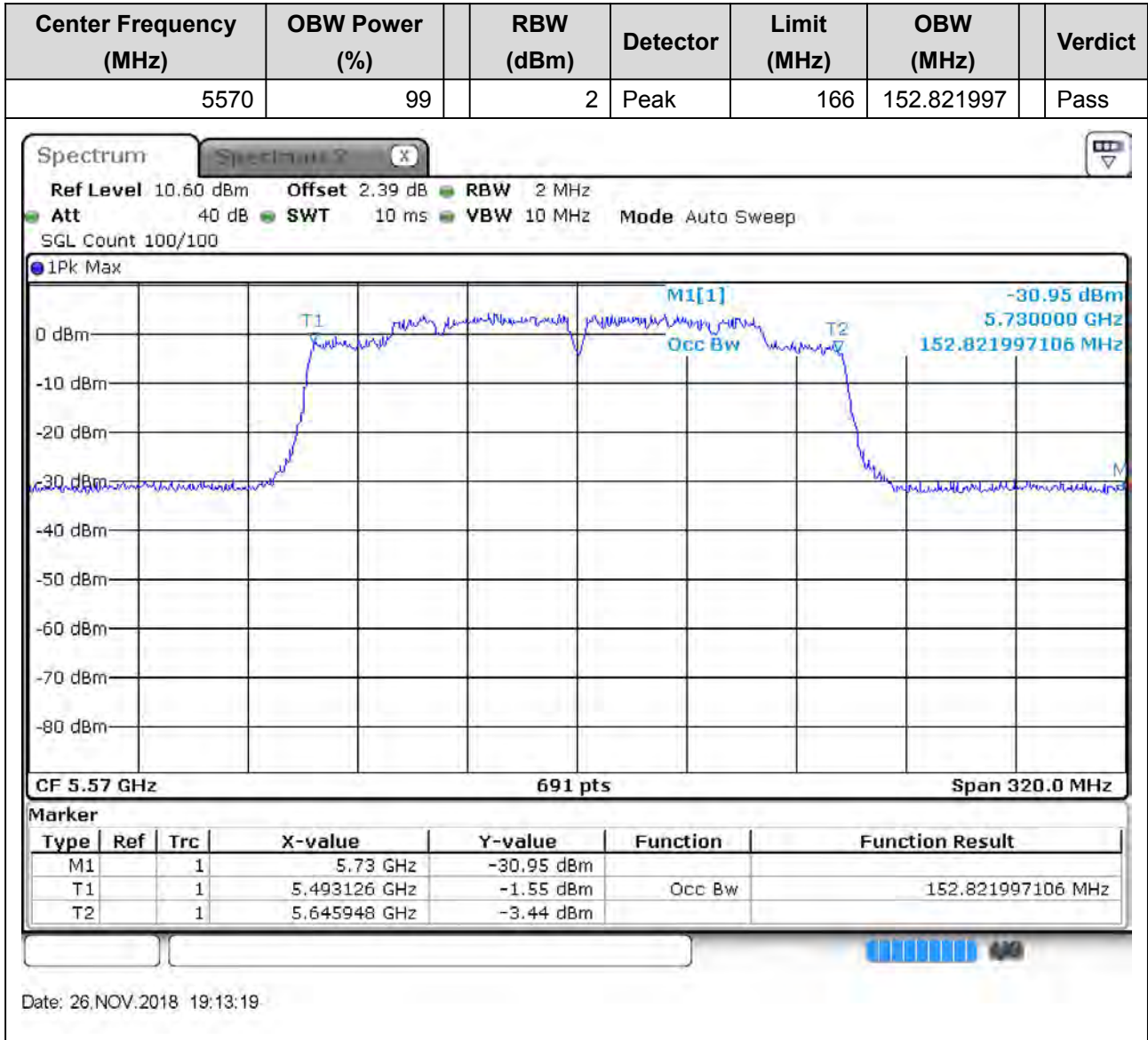
#### 37.1. A.2.2-99% Bandwidth(NTNV)





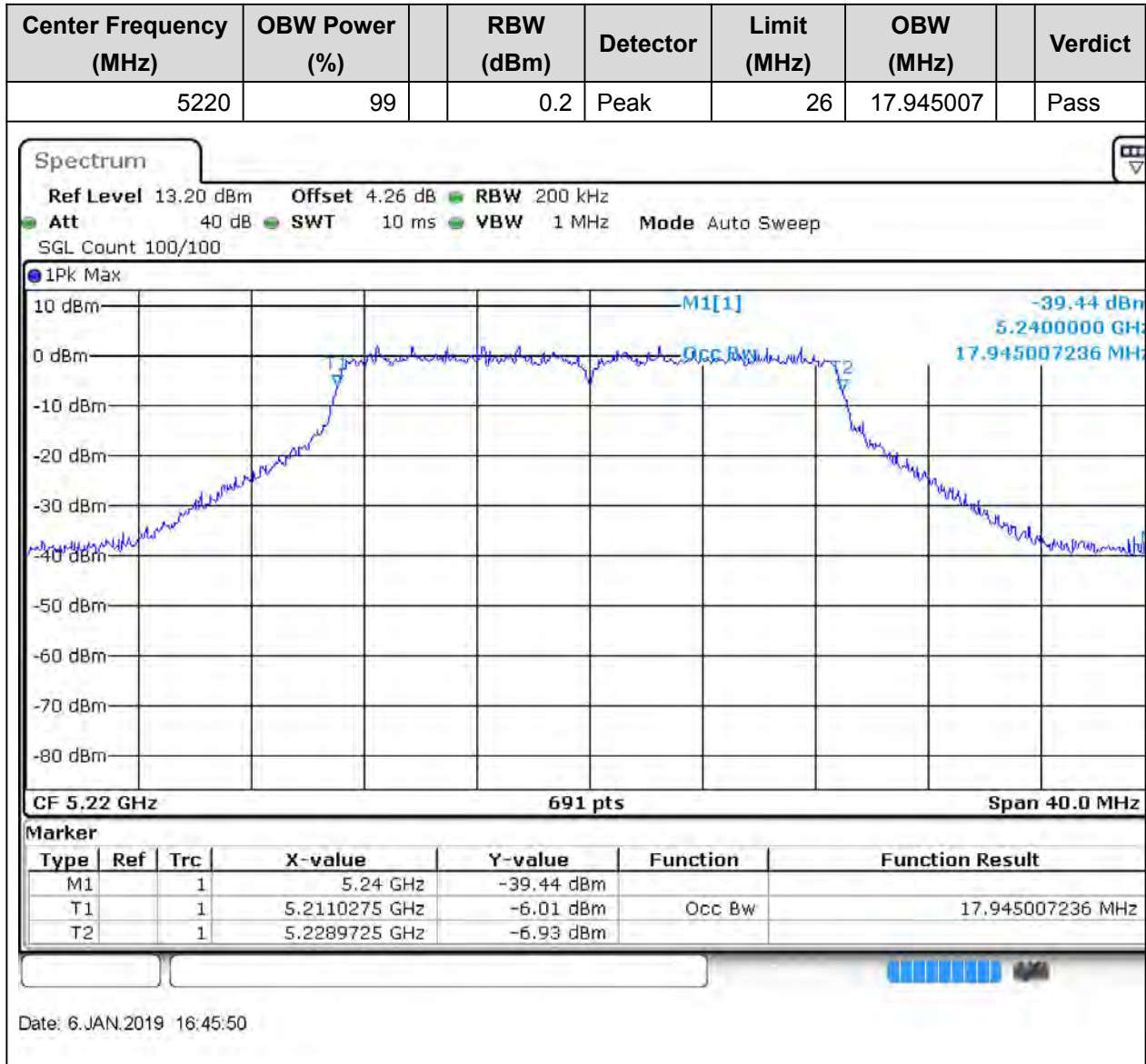
### 38. 802.11ac\_160M\_Band3\_M

#### 38.1. A.2.2-99% Bandwidth(NTNV)



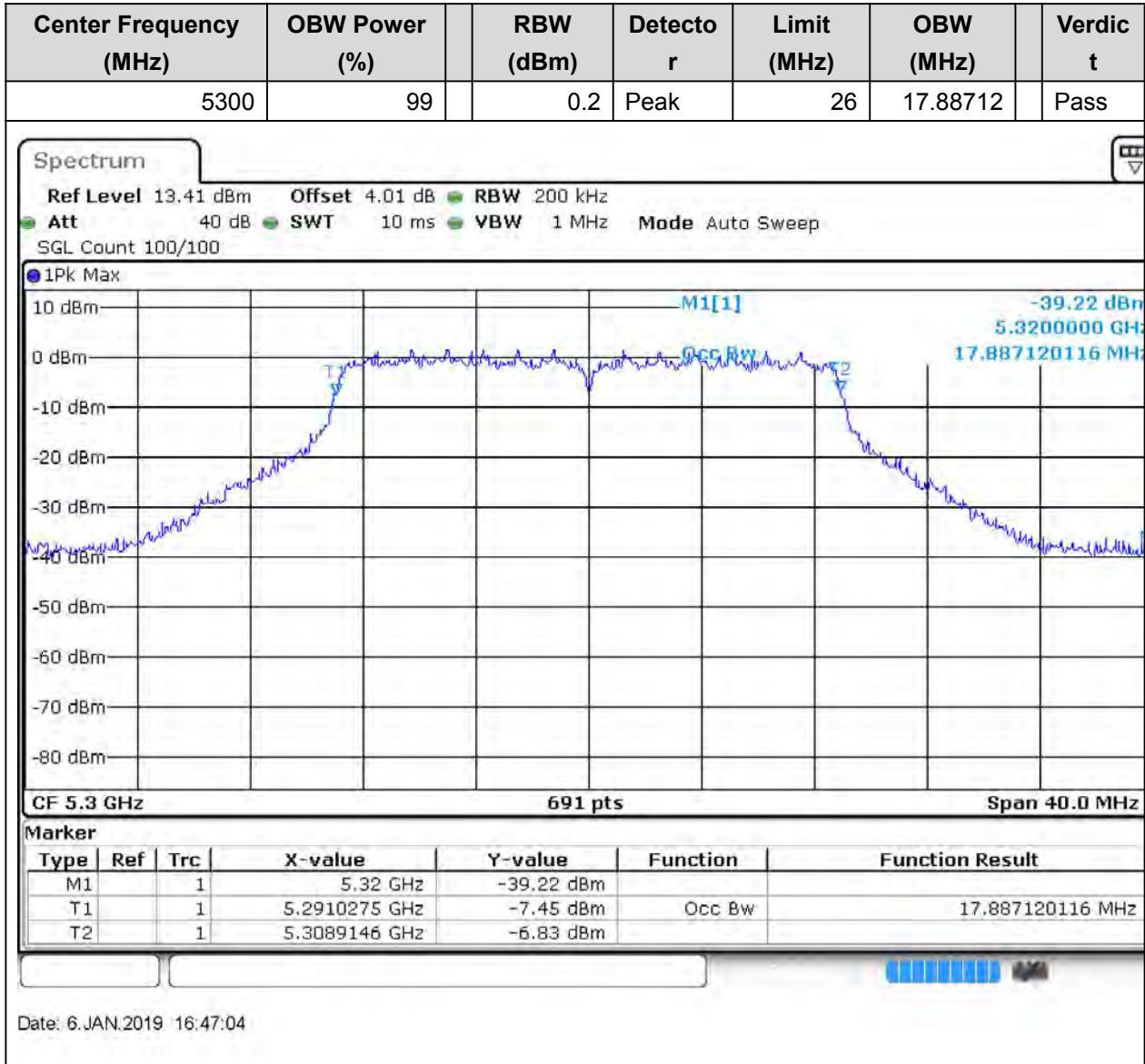
# 1. 802.11n\_20M\_Band1\_M

## 1.1. A.2.2-99% Bandwidth(NTNV)



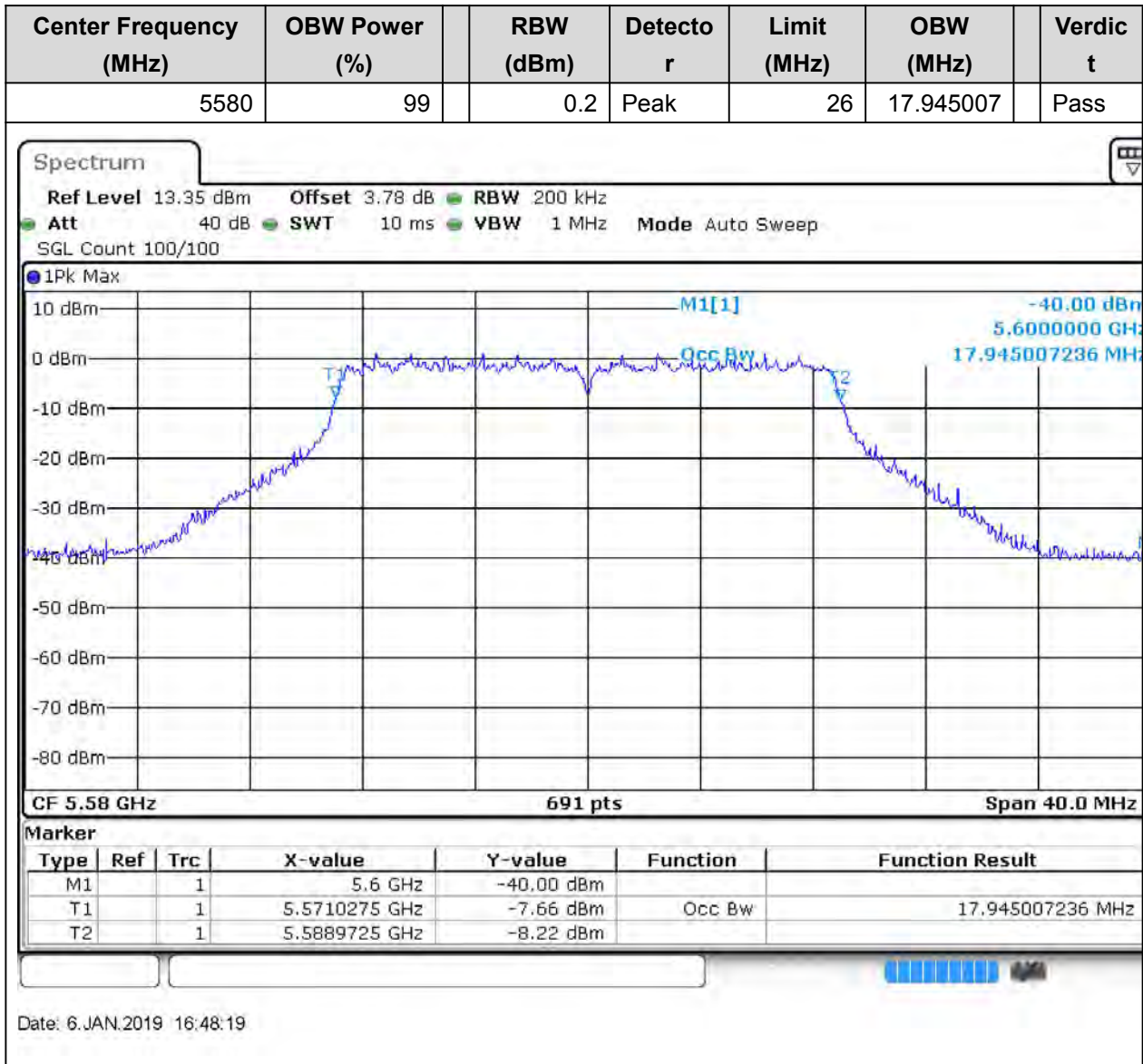
## 2. 802.11n\_20M\_Band2\_M

### 2.1. A.2.2-99% Bandwidth(NTNV)



### 3. 802.11n\_20M\_Band3\_M

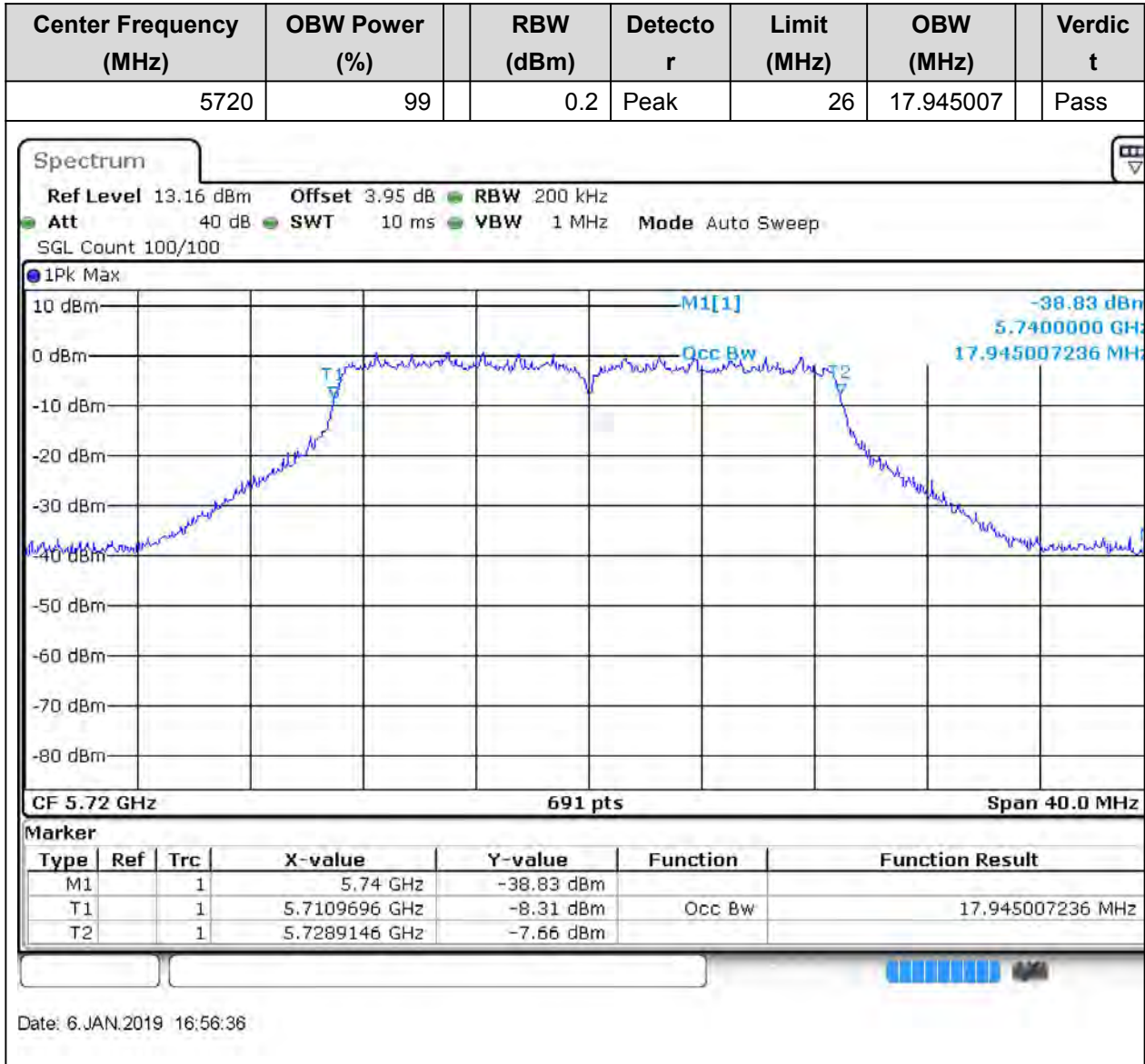
#### 3.1. A.2.2-99% Bandwidth(NTNV)





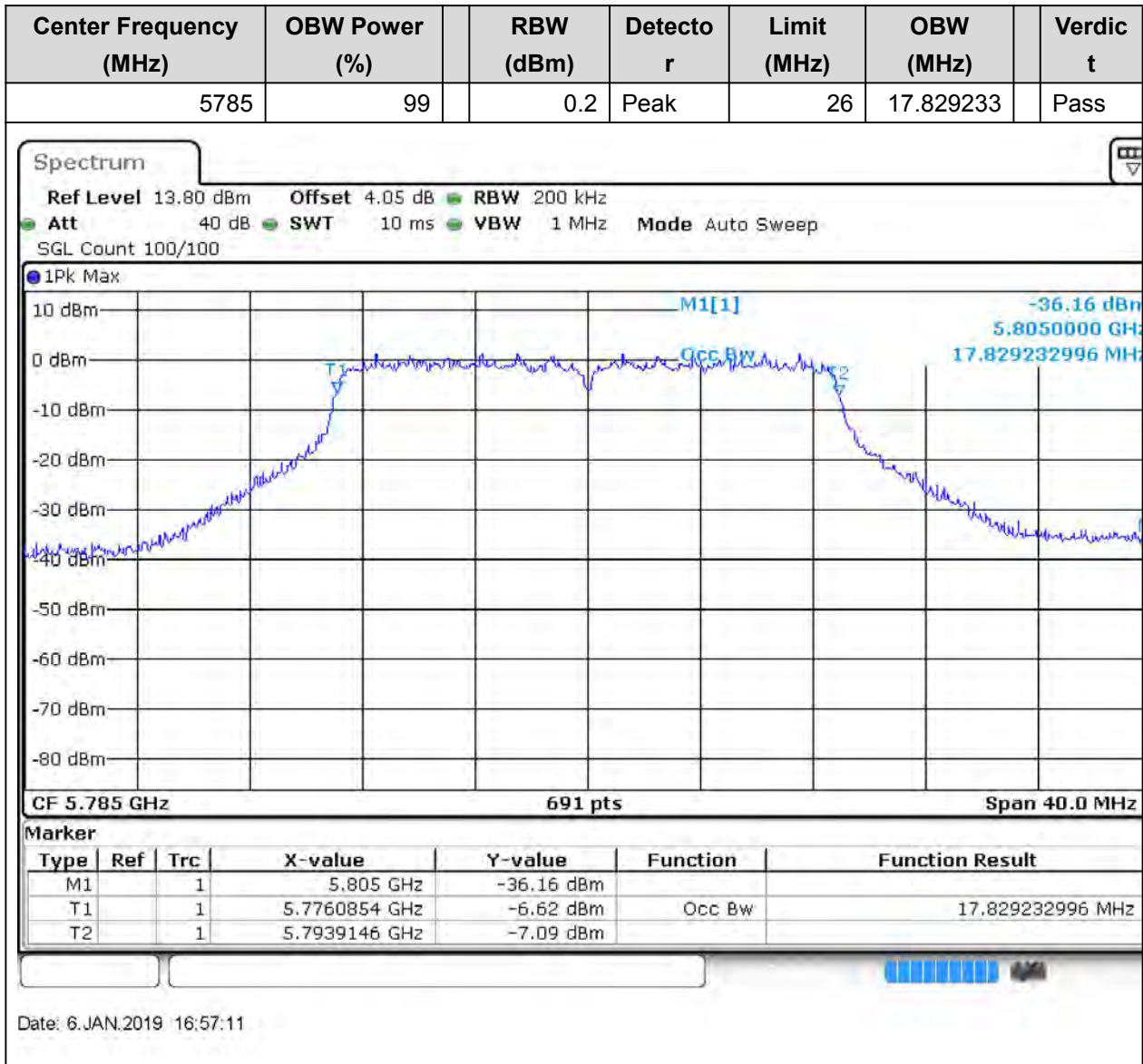
## 4. 802.11n\_20M\_Band3\_CH144

### 4.1. A.2.2-99% Bandwidth(NTNV)



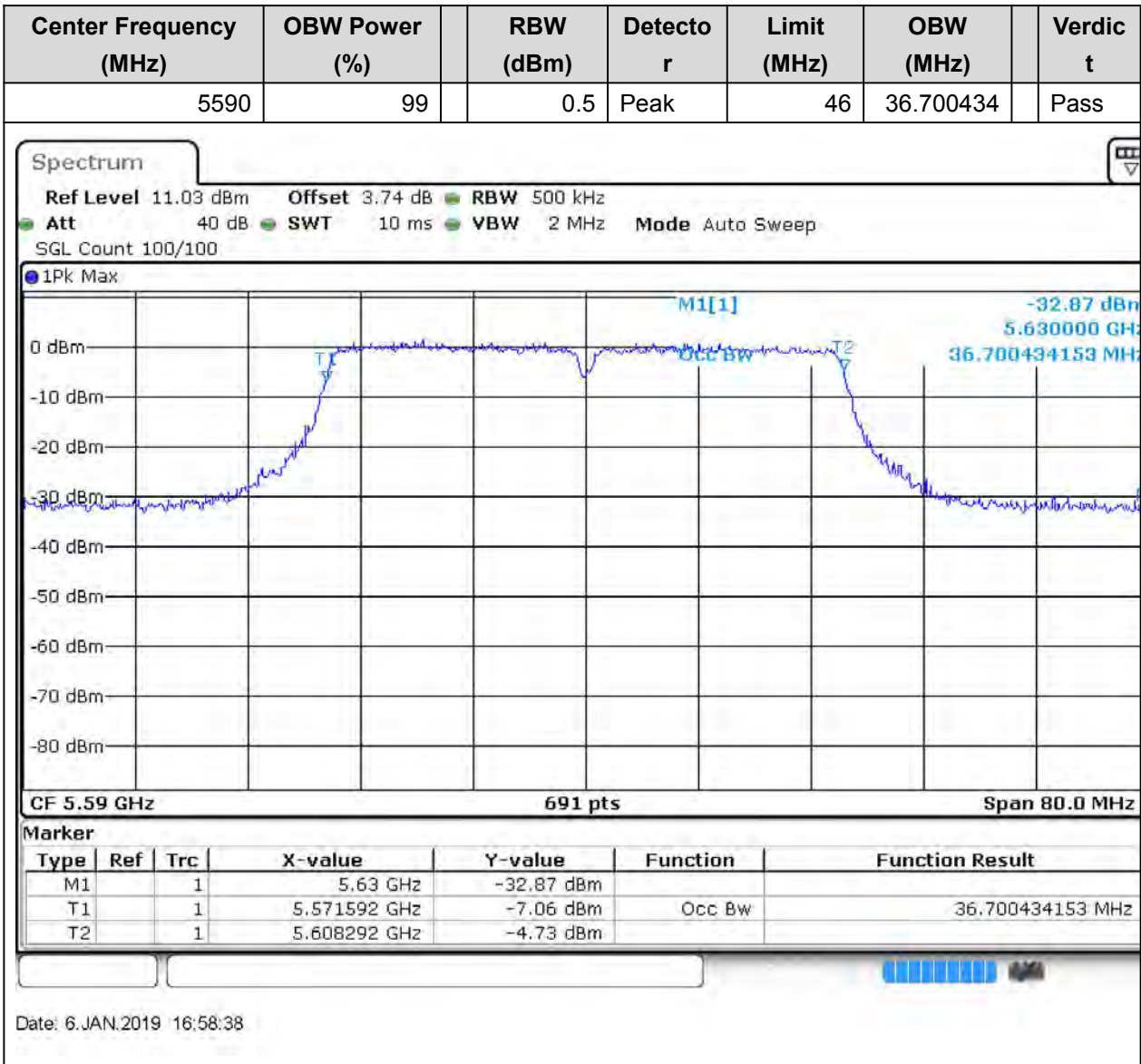
## 5. 802.11n\_20M\_Band4\_M

### 5.1. A.2.2-99% Bandwidth(NTNV)



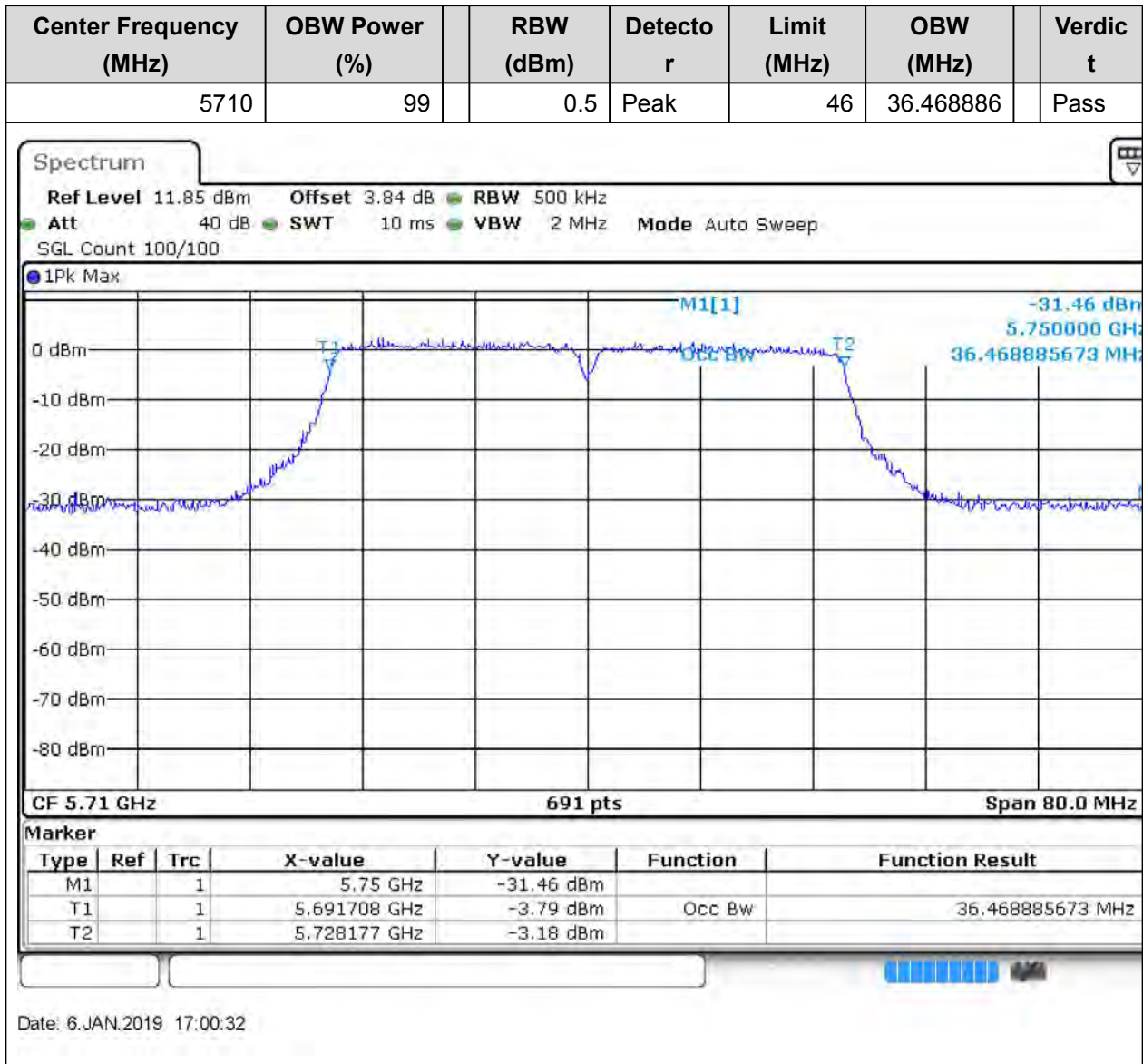
## 6. 802.11n\_40M\_Band3\_M

### 6.1. A.2.2-99% Bandwidth(NTNV)



## 7. 802.11n\_40M\_Band3\_142

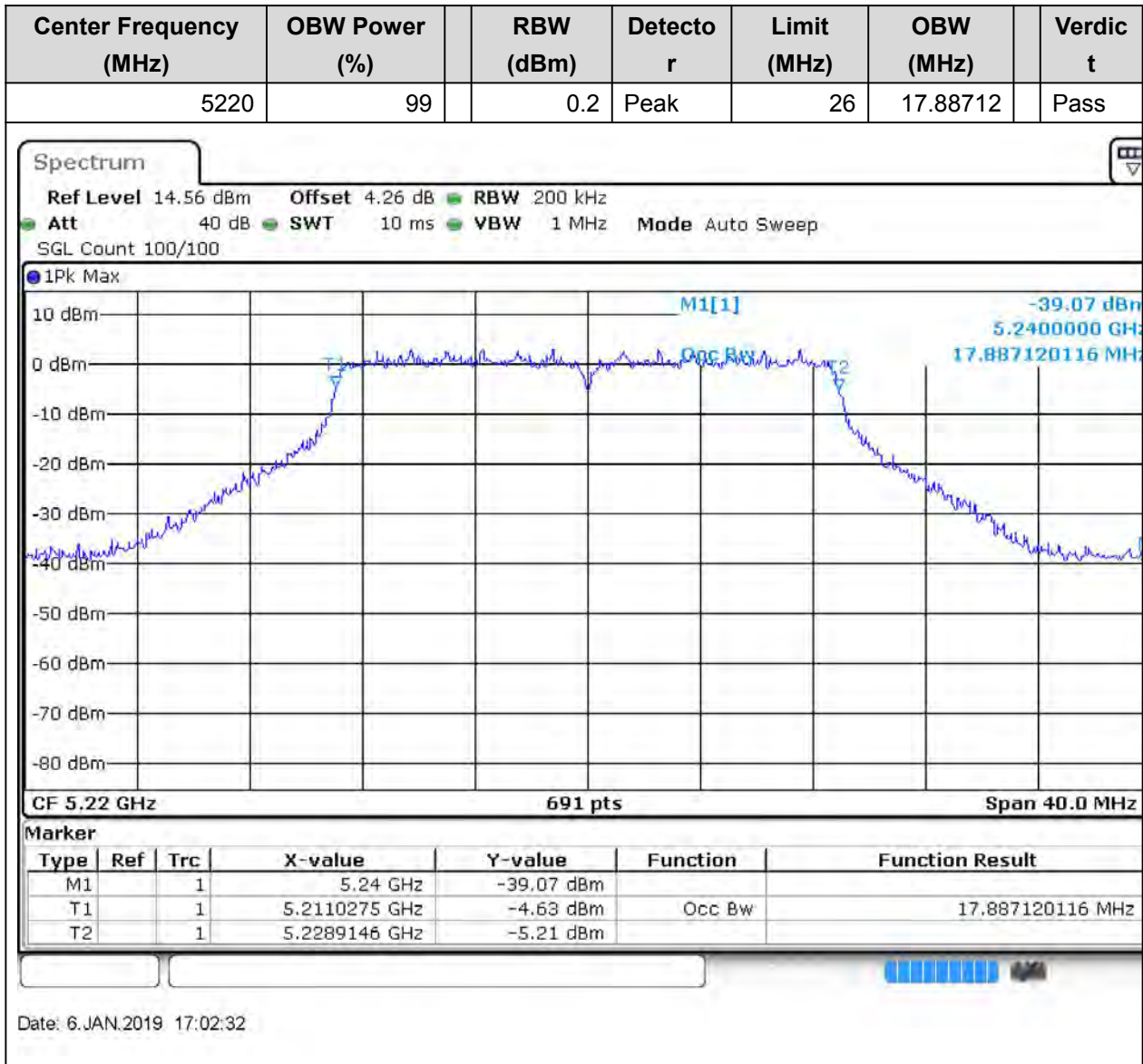
### 7.1. A.2.2-99% Bandwidth(NTNV)





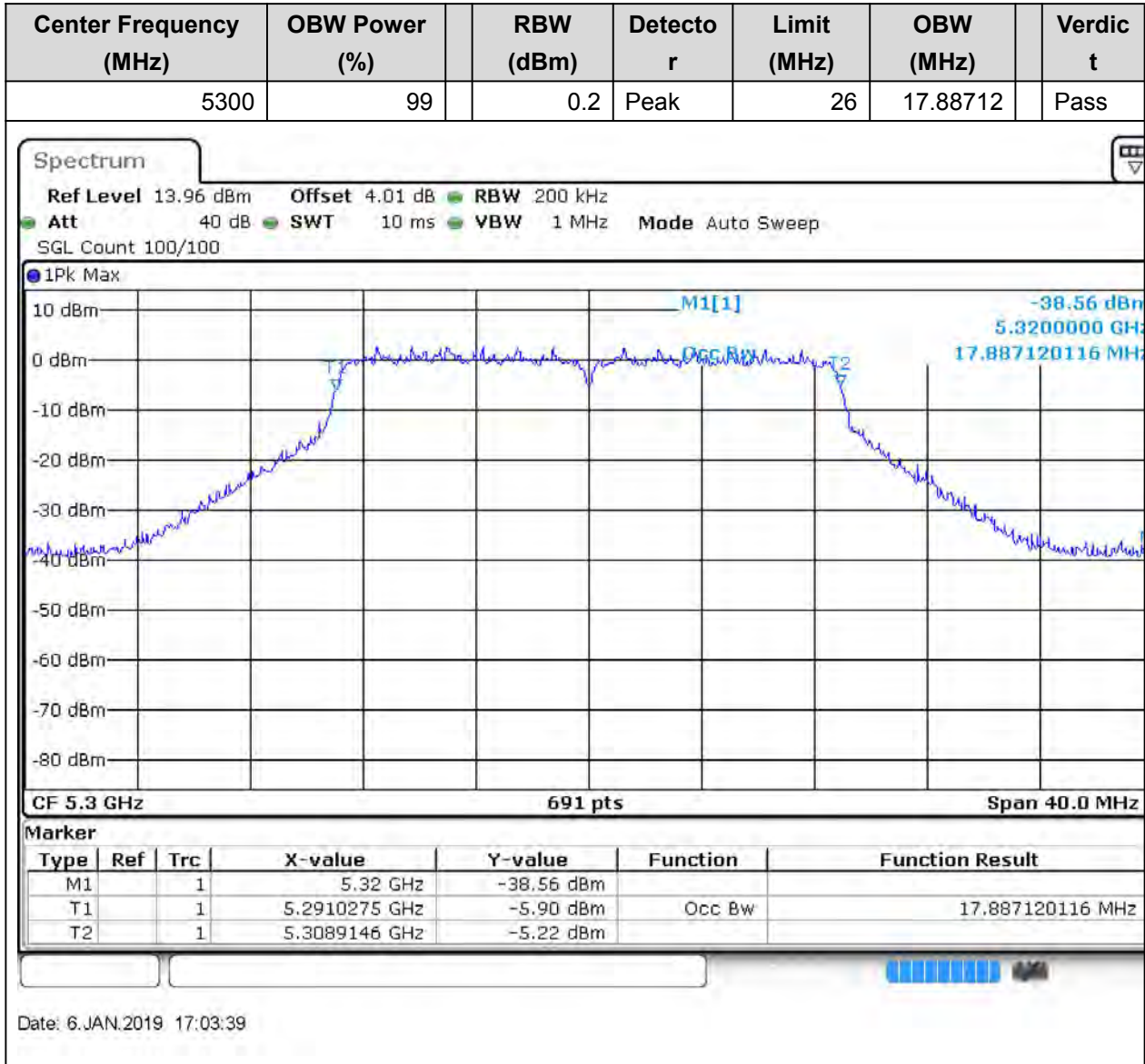
## 8. 802.11ac\_20M\_Band1\_M

### 8.1. A.2.2-99% Bandwidth(NTNV)



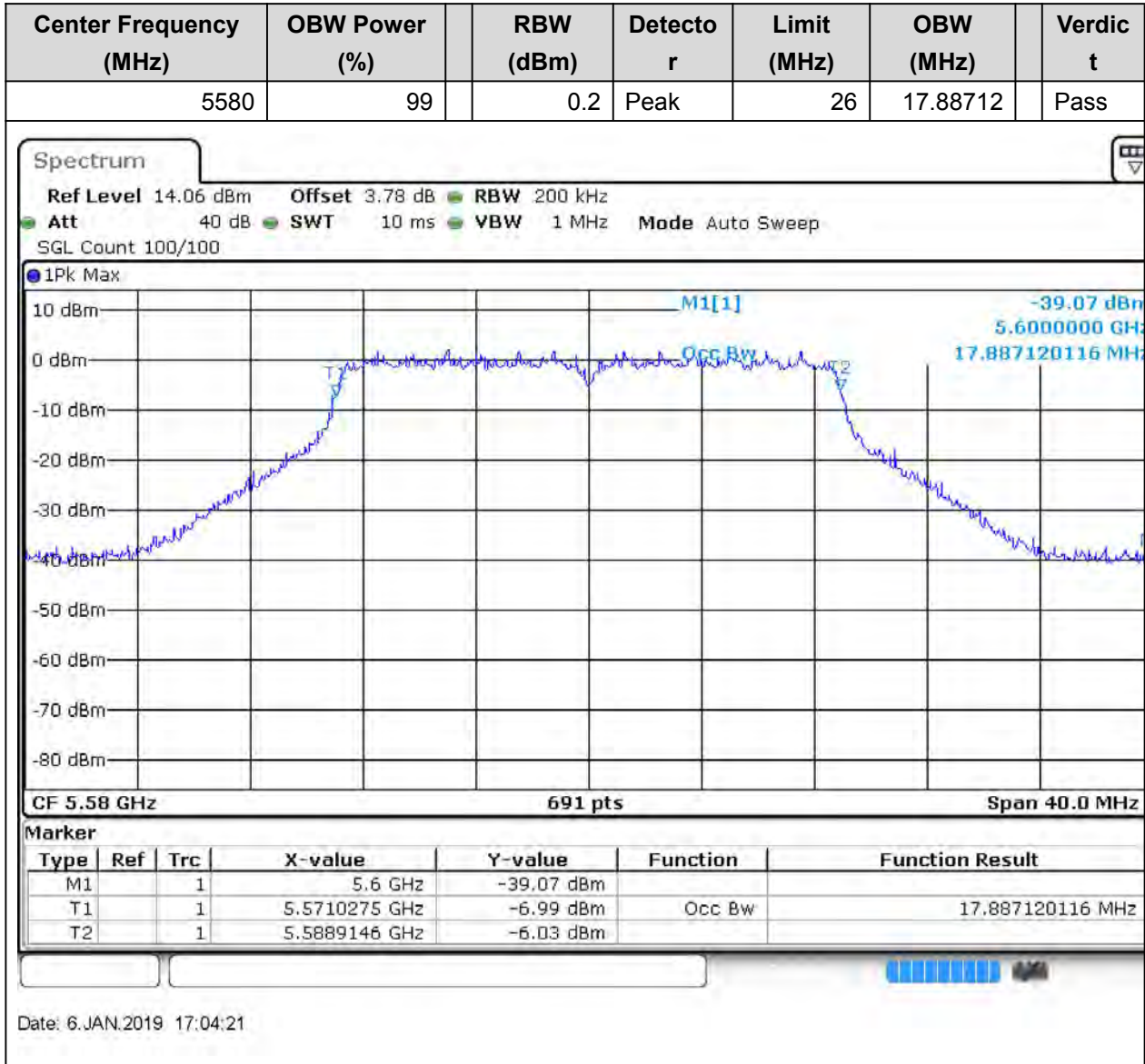
## 9. 802.11ac\_20M\_Band2\_M

### 9.1. A.2.2-99% Bandwidth(NTNV)



## 10. 802.11ac\_20M\_Band3\_M

### 10.1. A.2.2-99% Bandwidth(NTNV)



# 11. 802.11ac\_20M\_Band3\_CH144

## 11.1. A.2.2-99% Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5720	99	0.2	Peak	26	17.945007	Pass

**Spectrum**

Ref Level 13.97 dBm    Offset 3.95 dB    RBW 200 kHz  
 Att 40 dB    SWT 10 ms    VBW 1 MHz    Mode Auto Sweep  
 SGL Count 100/100

CF 5.72 GHz    691 pts    Span 40.0 MHz

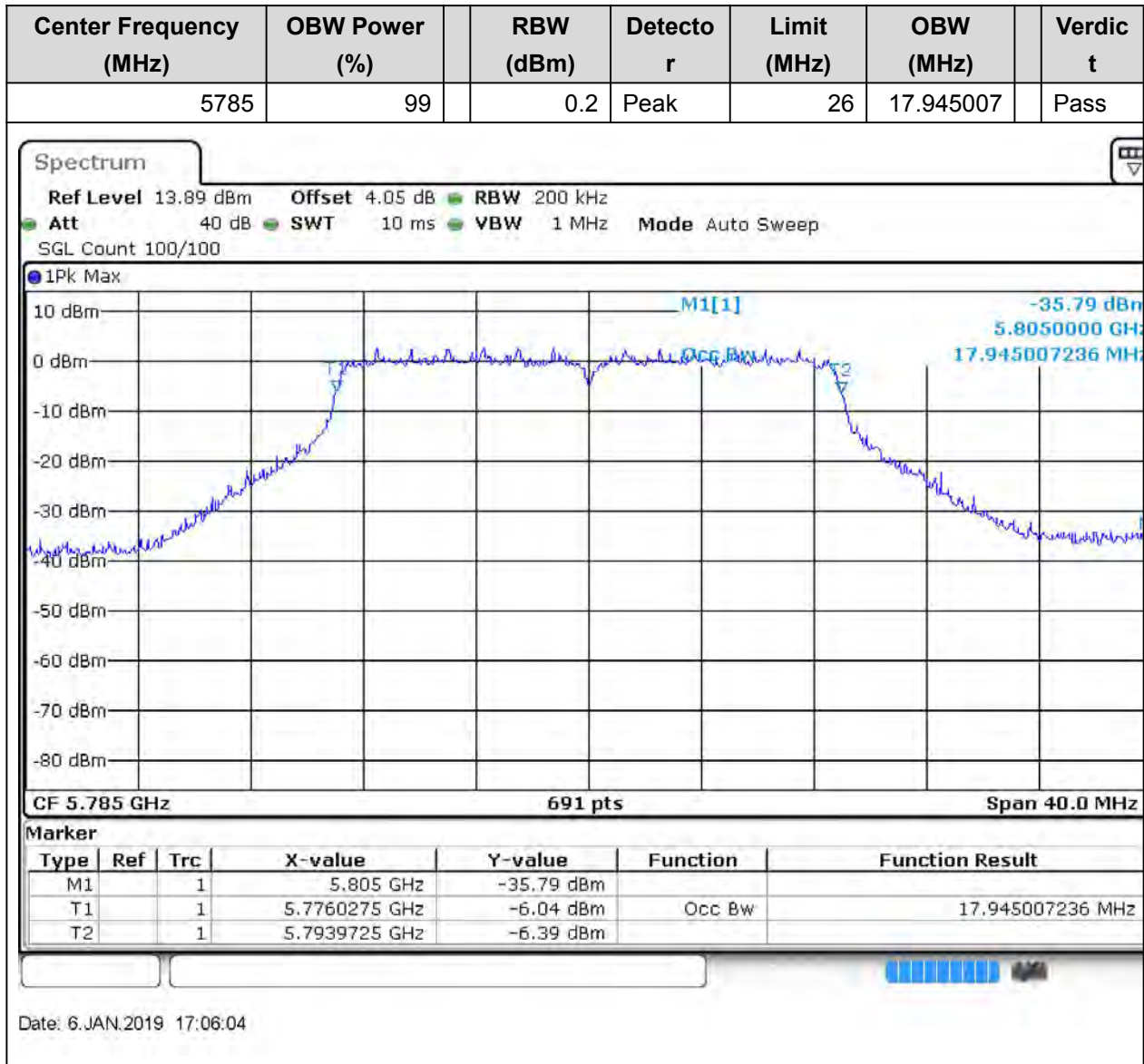
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.74 GHz	-38.62 dBm		
T1		1	5.7109696 GHz	-7.70 dBm	Occ Bw	17.945007236 MHz
T2		1	5.7289146 GHz	-7.34 dBm		

Date: 6.JAN.2019 17:05:22



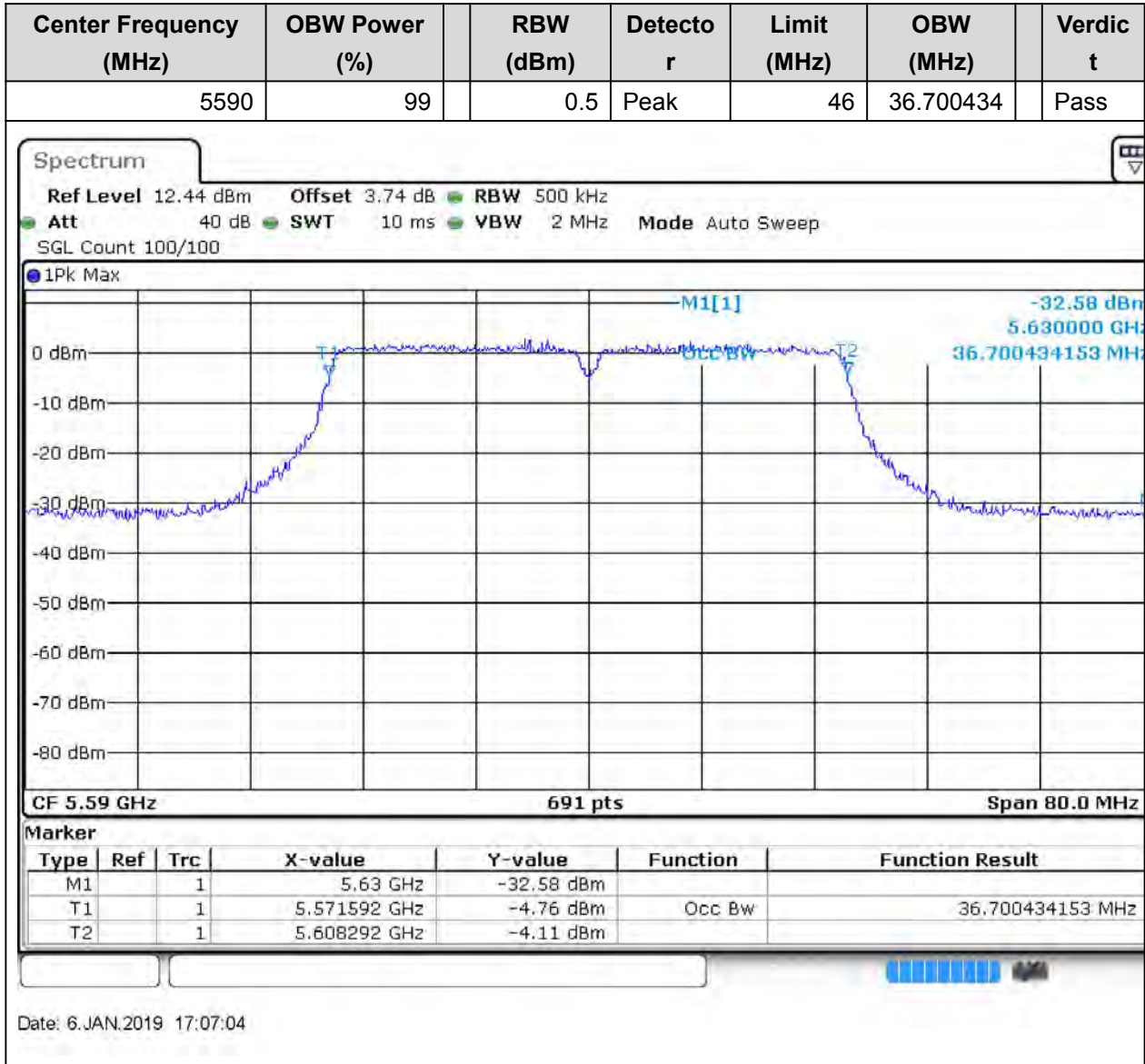
## 12. 802.11ac\_20M\_Band4\_M

### 12.1. A.2.2-99% Bandwidth(NTNV)



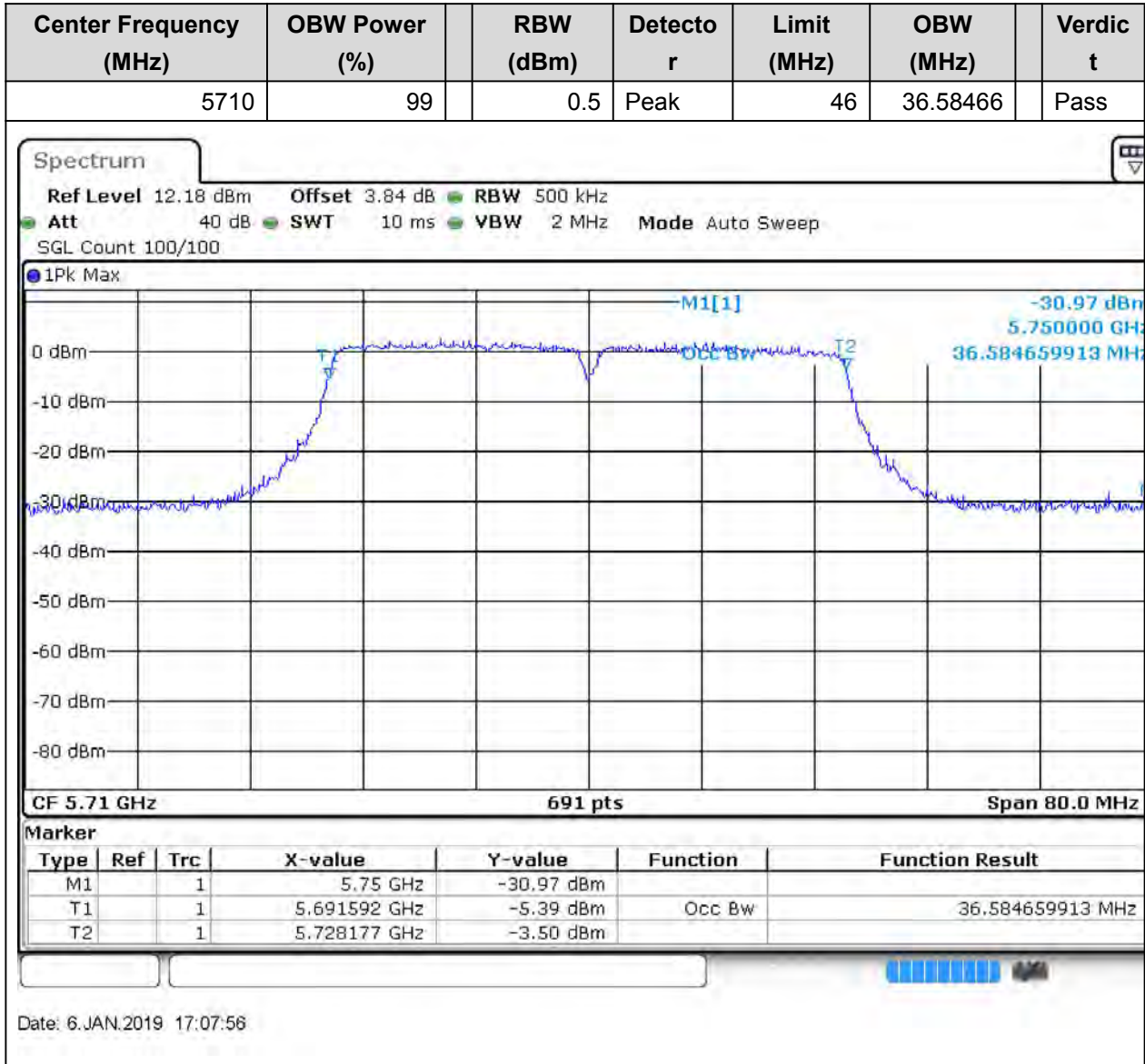
### 13. 802.11ac\_40M\_Band3\_M

#### 13.1. A.2.2-99% Bandwidth(NTNV)



# 14. 802.11ac\_40M\_Band3\_CH142

## 14.1. A.2.2-99% Bandwidth(NTNV)



# 15. 802.11ac\_80M\_Band3\_H

## 15.1. A.2.2-99% Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5690	99	1	Peak	86	75.021708	Pass

**Spectrum**

Ref Level 10.66 dBm    Offset 3.85 dB    RBW 1 MHz  
 Att 40 dB    SWT 10 ms    VBW 5 MHz    Mode Auto Sweep  
 SGL Count 100/100

1Pk Max

CF 5.69 GHz    691 pts    Span 160.0 MHz

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.77 GHz	-28.92 dBm		
T1		1	5.652258 GHz	-2.04 dBm	Occ Bw	75.02170767 MHz
T2		1	5.727279 GHz	-2.60 dBm		

Date: 6.JAN.2019 17:10:29

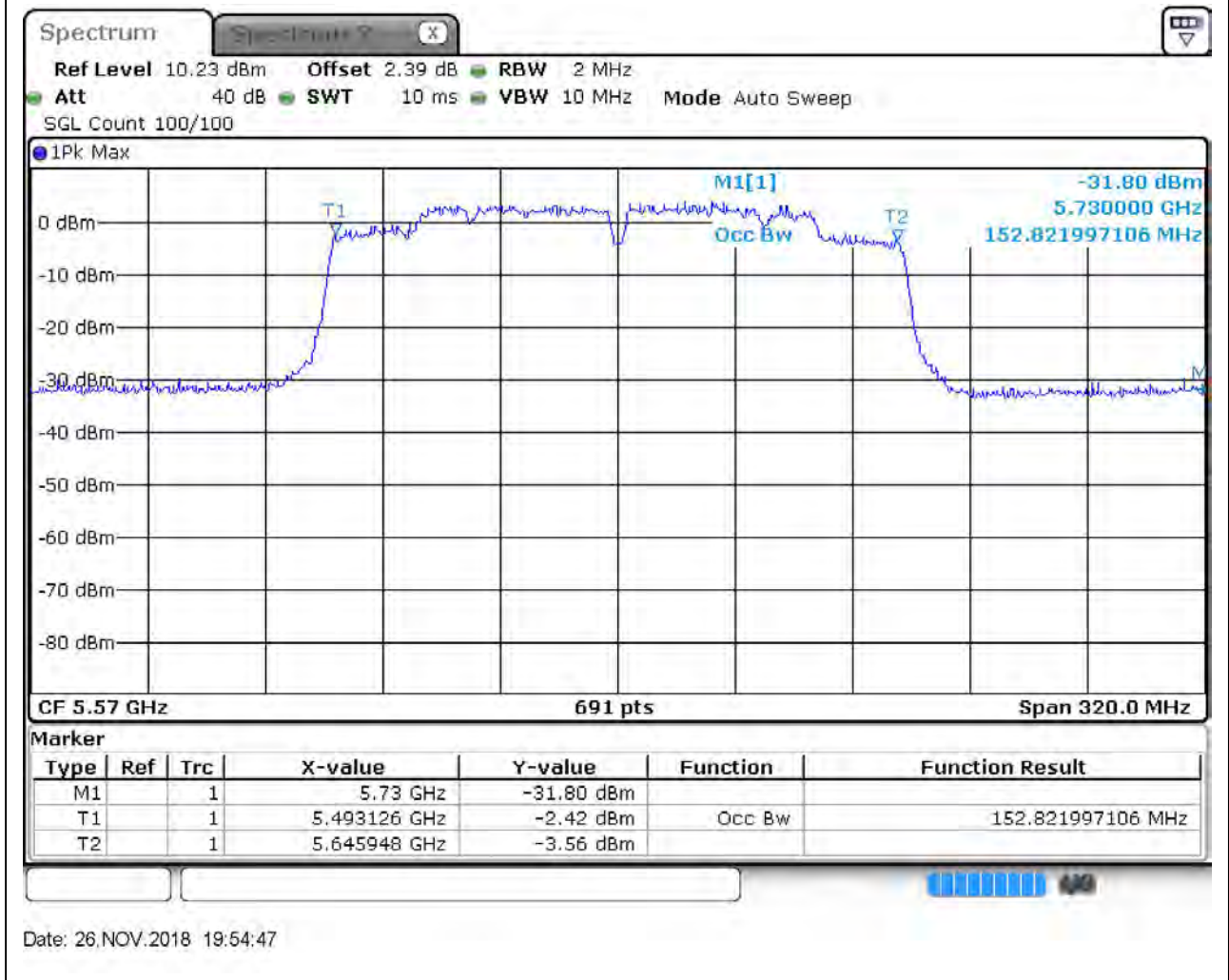


# MIMO-ANT1

## 1. 802.11ac\_160M\_Band3\_M

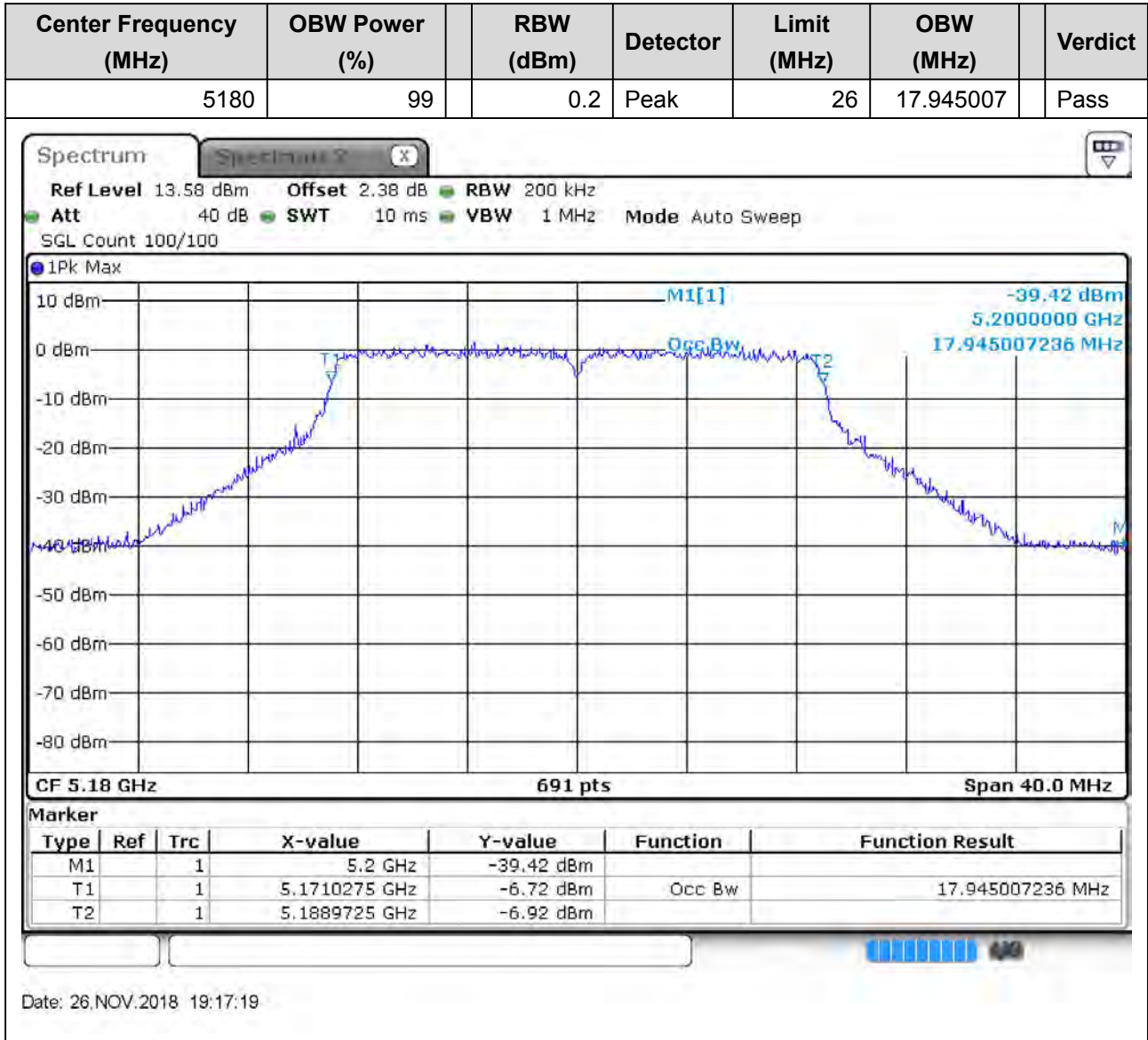
### 1.1. A.2.2-99% Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5570	99	2	Peak	166	152.821997	Pass



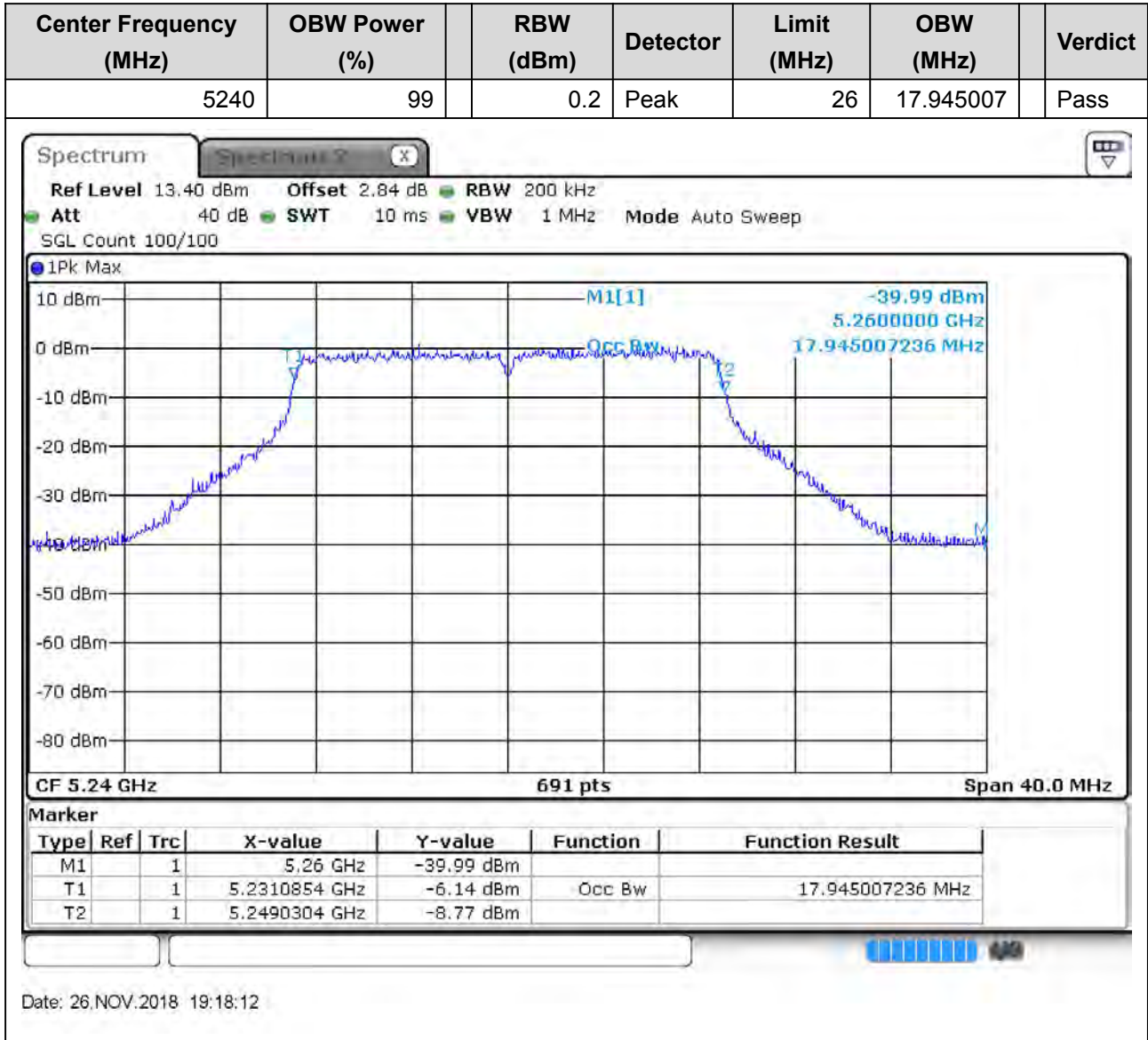
## 2. 802.11n\_20M\_Band1\_L

### 2.1. A.2.2-99% Bandwidth(NTNV)



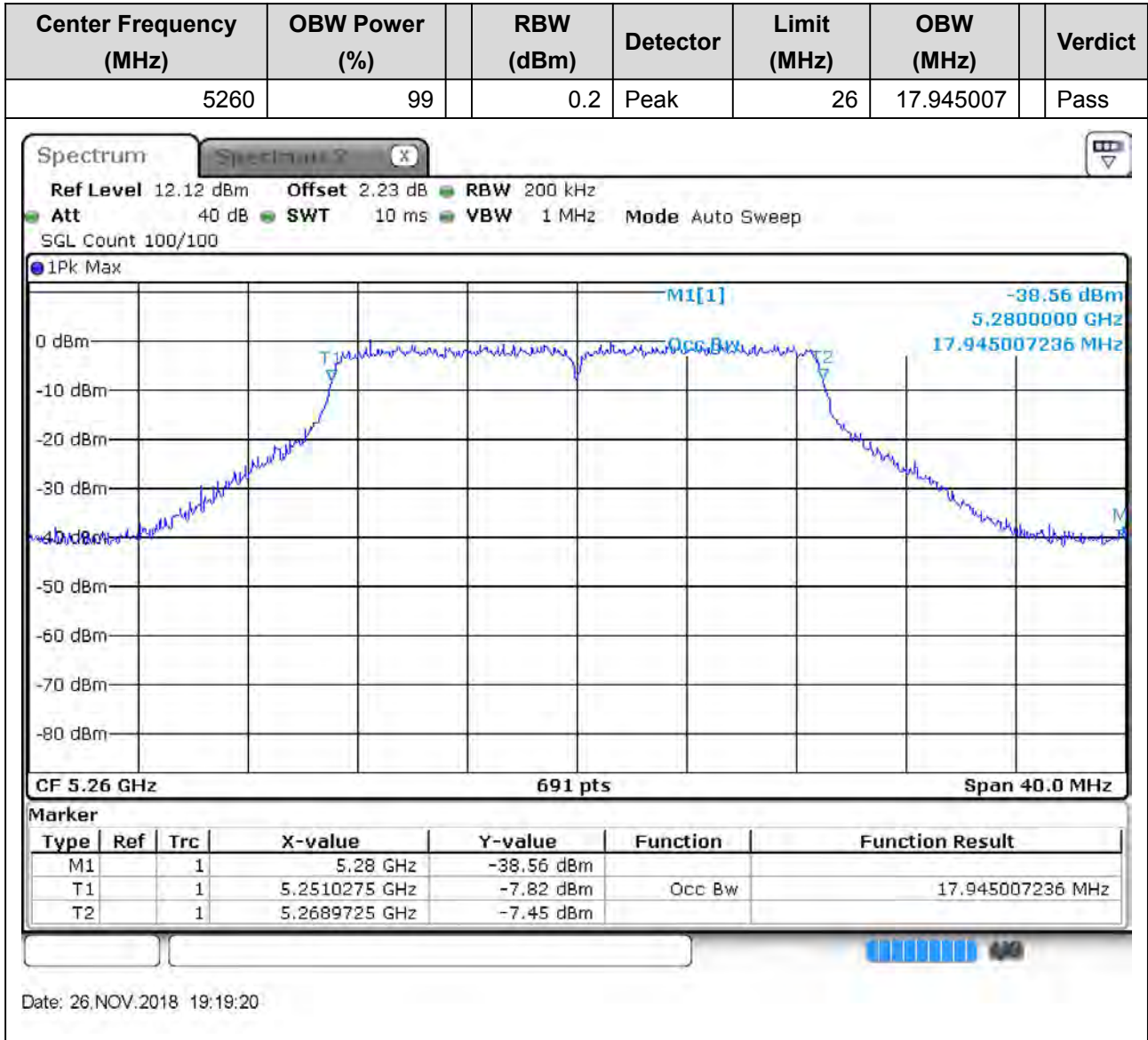
### 3. 802.11n\_20M\_Band1\_H

#### 3.1. A.2.2-99% Bandwidth(NTNV)



## 4. 802.11n\_20M\_Band2\_L

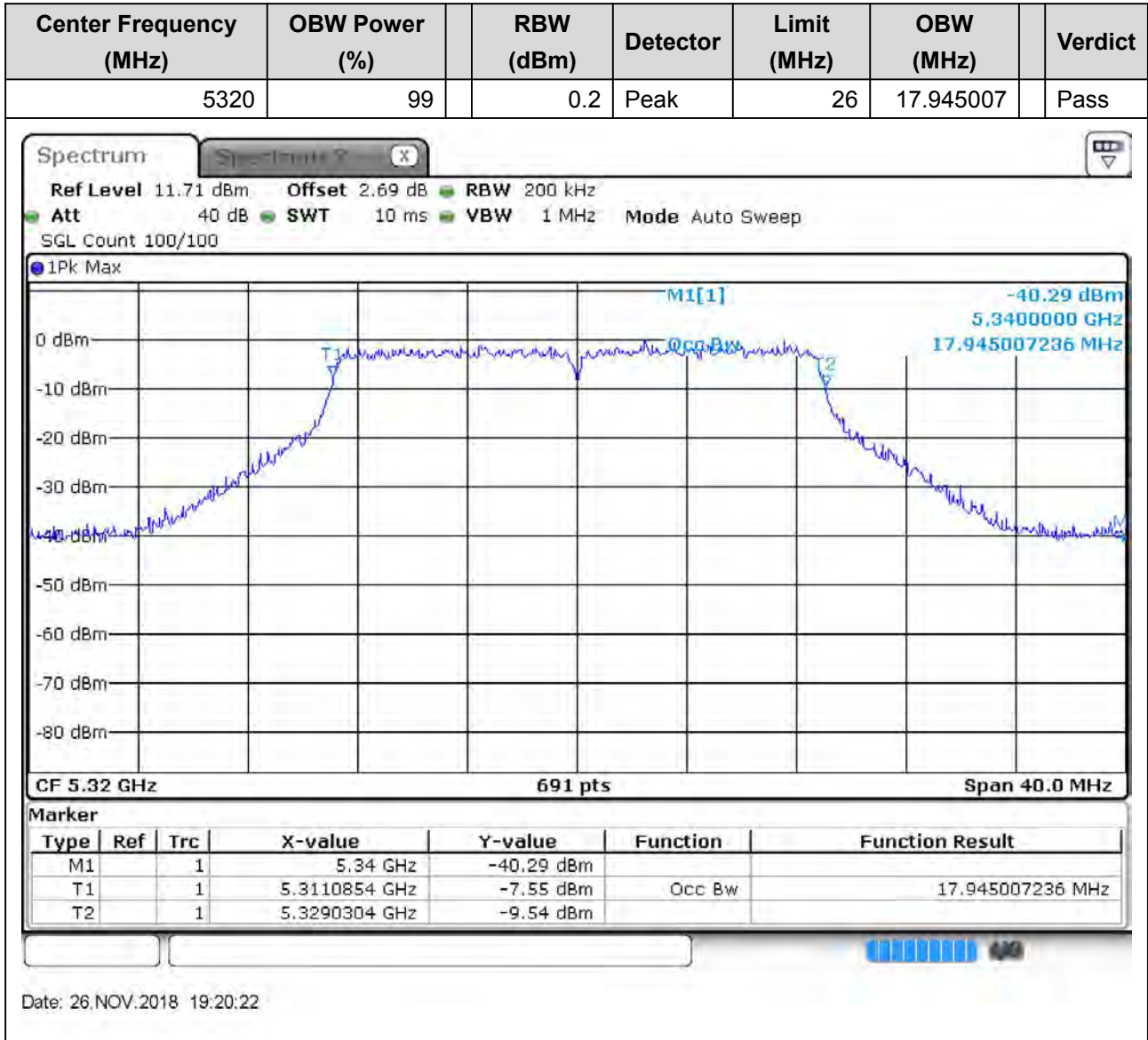
### 4.1. A.2.2-99% Bandwidth(NTNV)





## 5. 802.11n\_20M\_Band2\_H

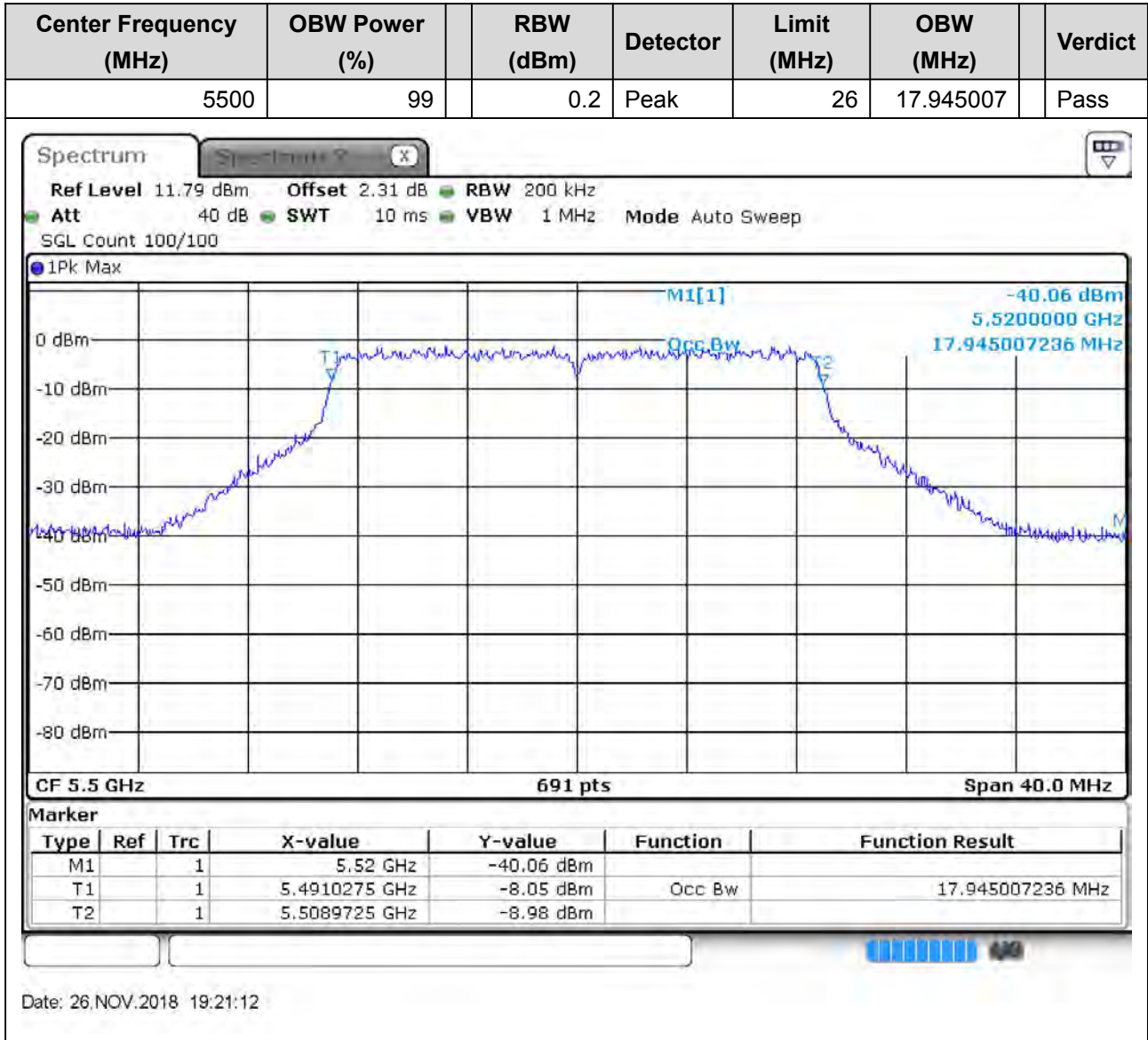
### 5.1. A.2.2-99% Bandwidth(NTNV)





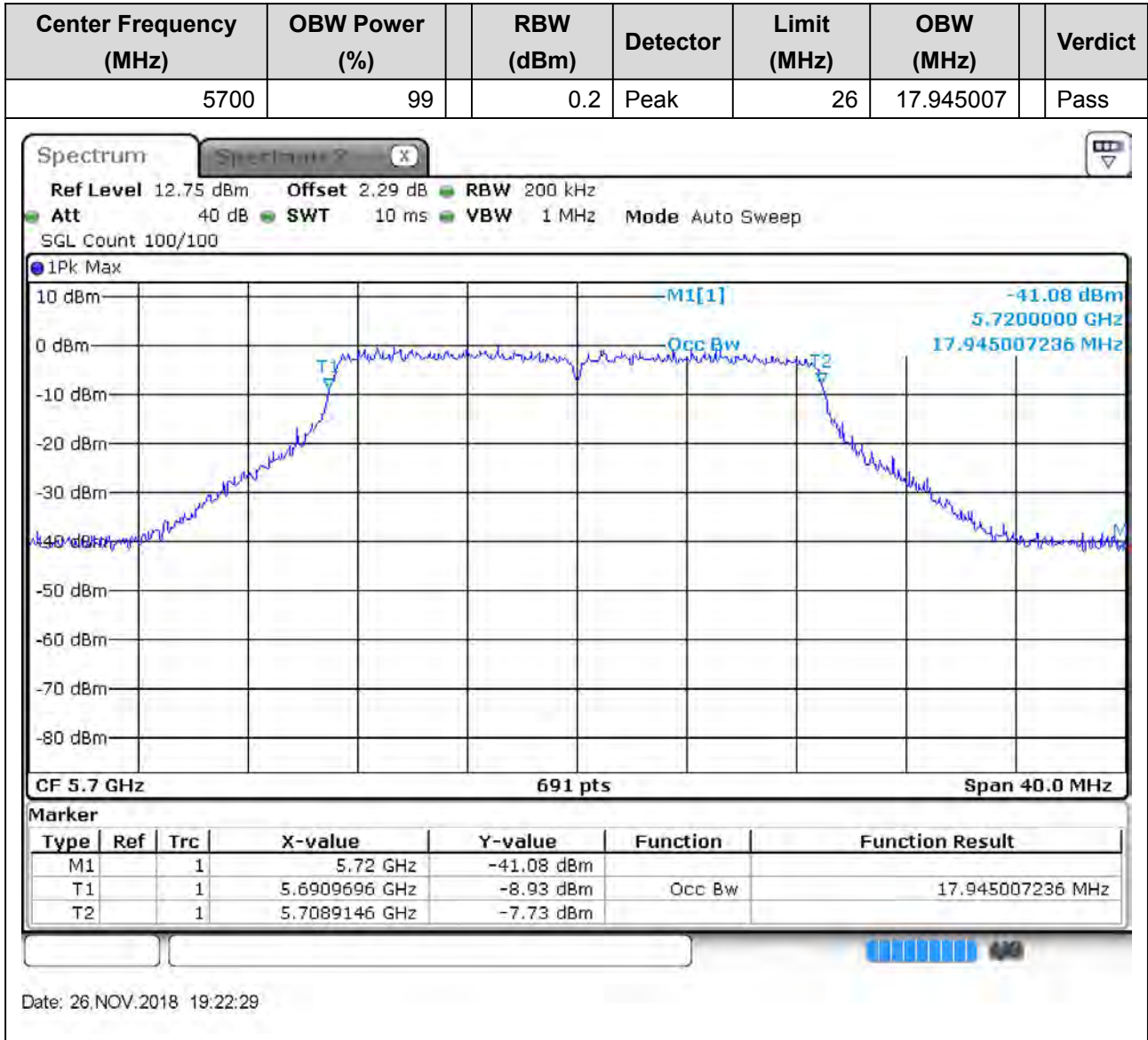
## 6. 802.11n\_20M\_Band3\_L

### 6.1. A.2.2-99% Bandwidth(NTNV)



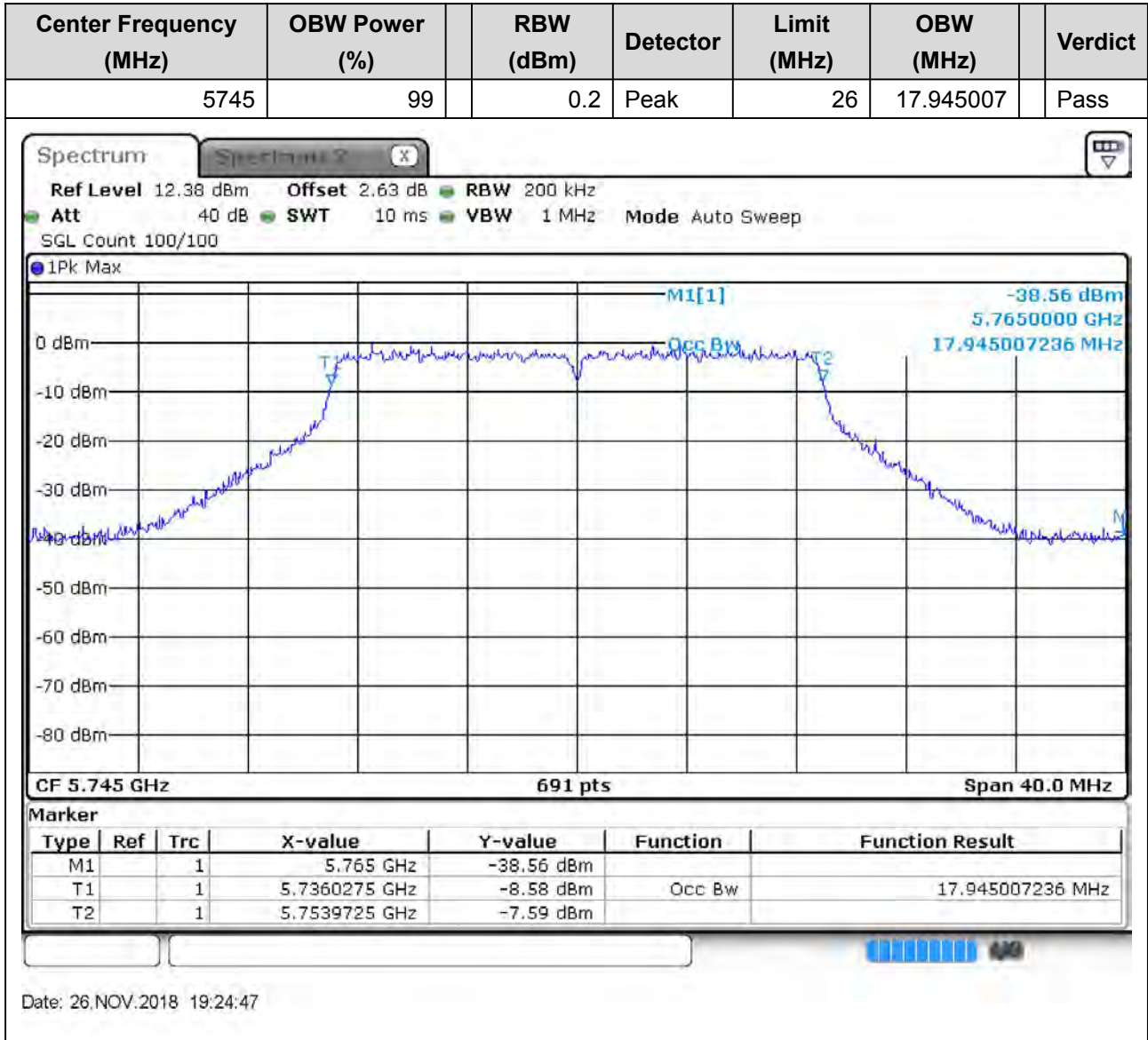
## 7. 802.11n\_20M\_Band3\_H

### 7.1. A.2.2-99% Bandwidth(NTNV)



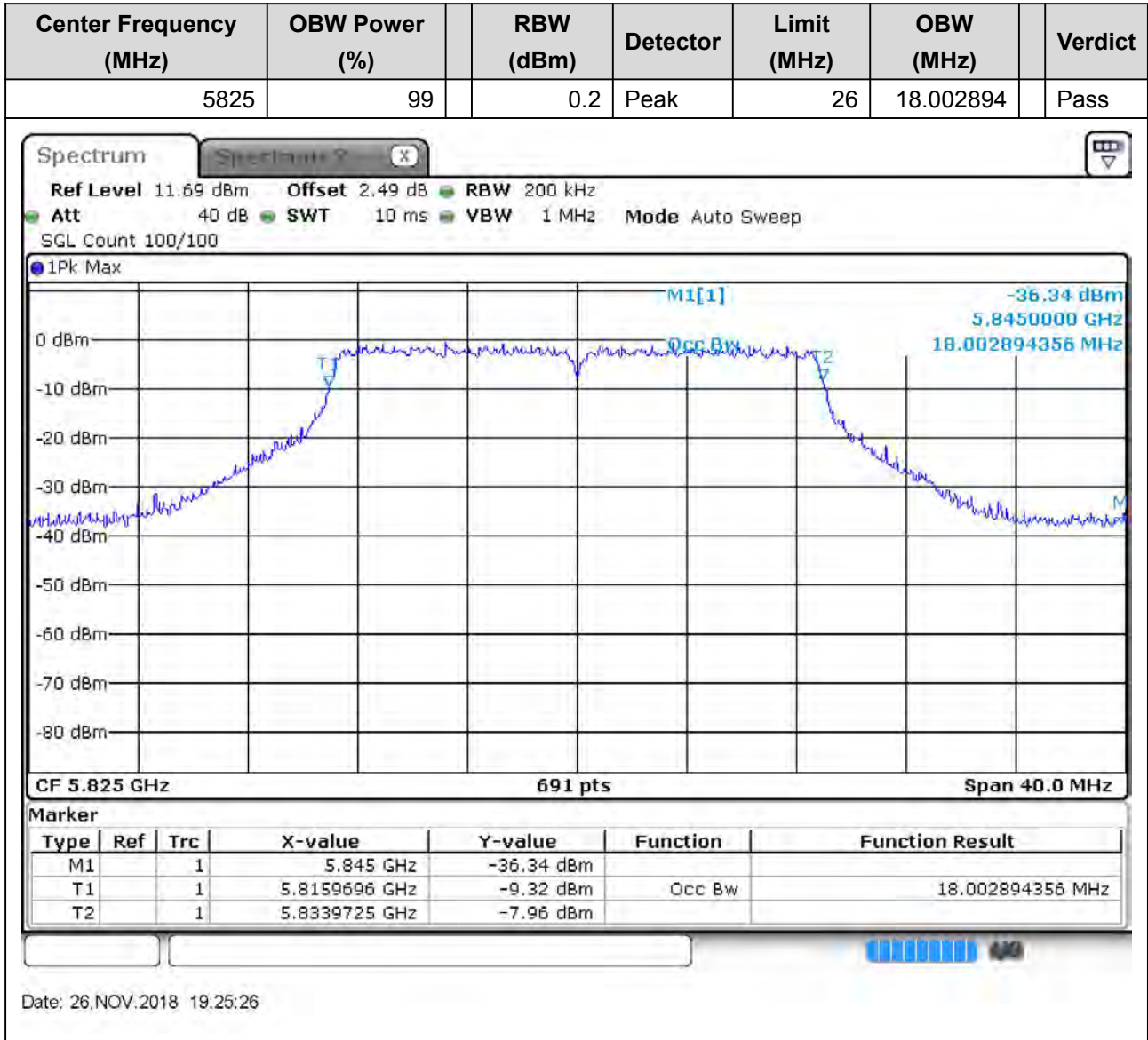
## 8. 802.11n\_20M\_Band4\_L

### 8.1. A.2.2-99% Bandwidth(NTNV)



## 9. 802.11n\_20M\_Band4\_H

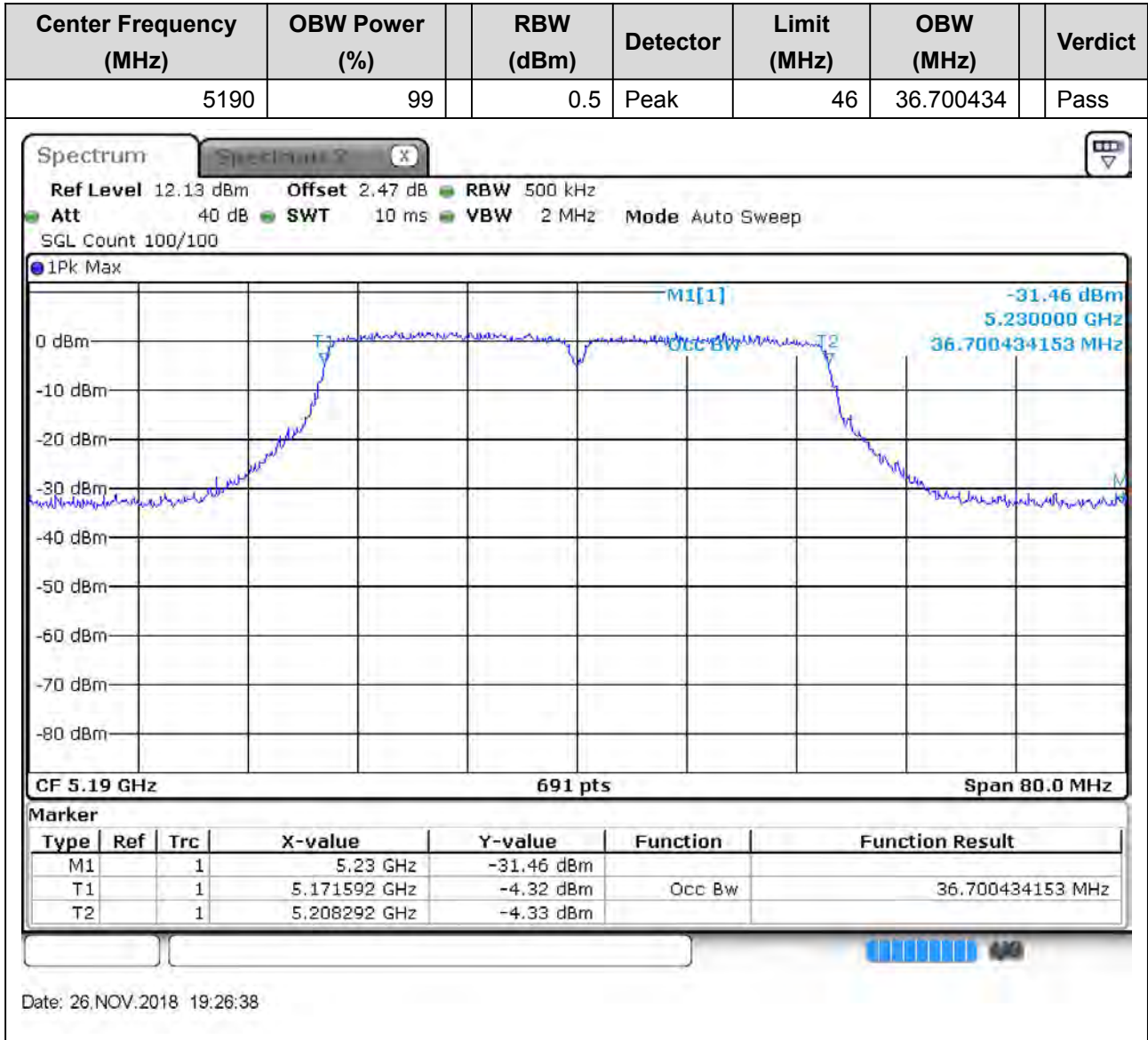
### 9.1. A.2.2-99% Bandwidth(NTNV)





## 10. 802.11n\_40M\_Band1\_L

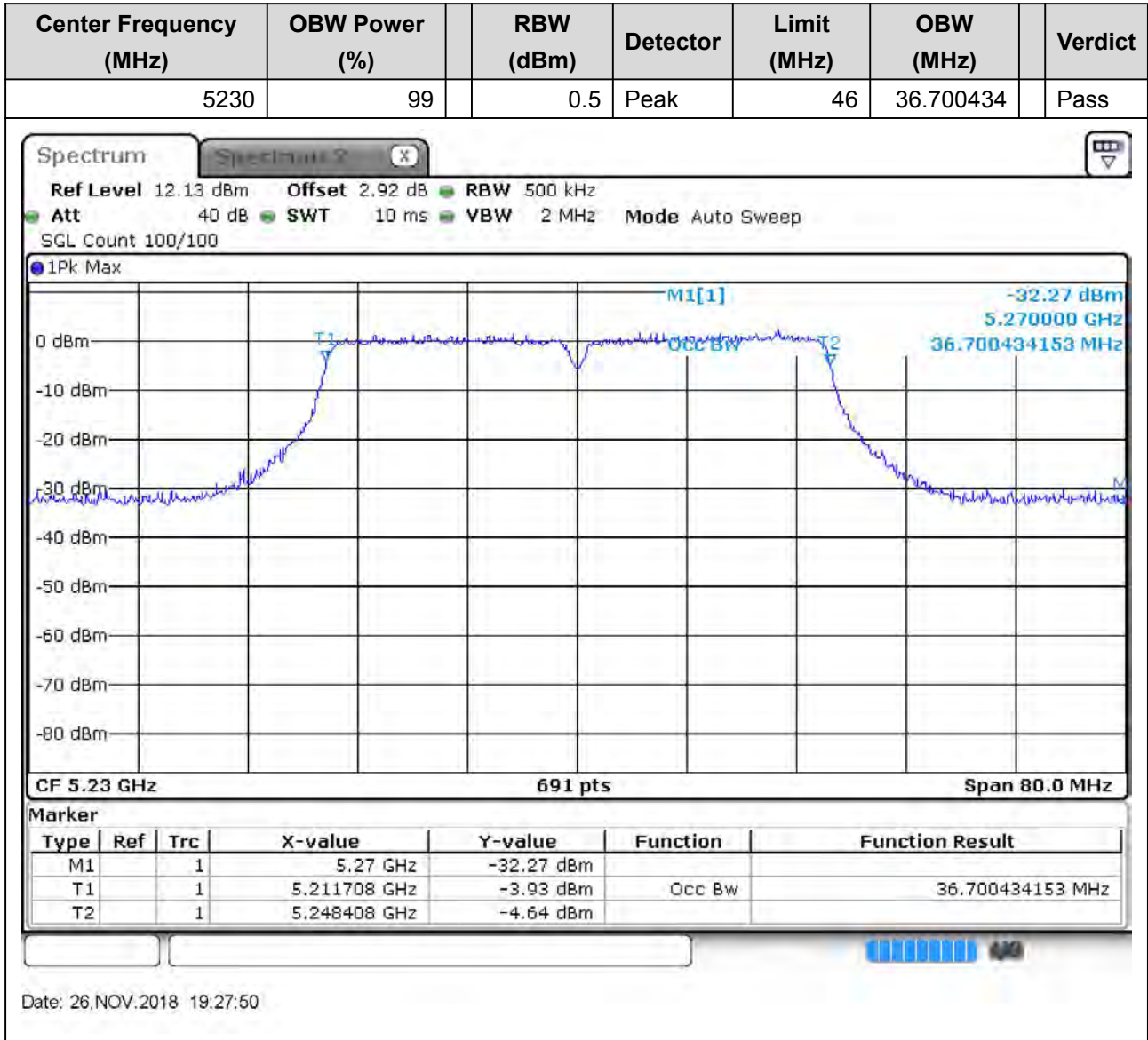
### 10.1. A.2.2-99% Bandwidth(NTNV)





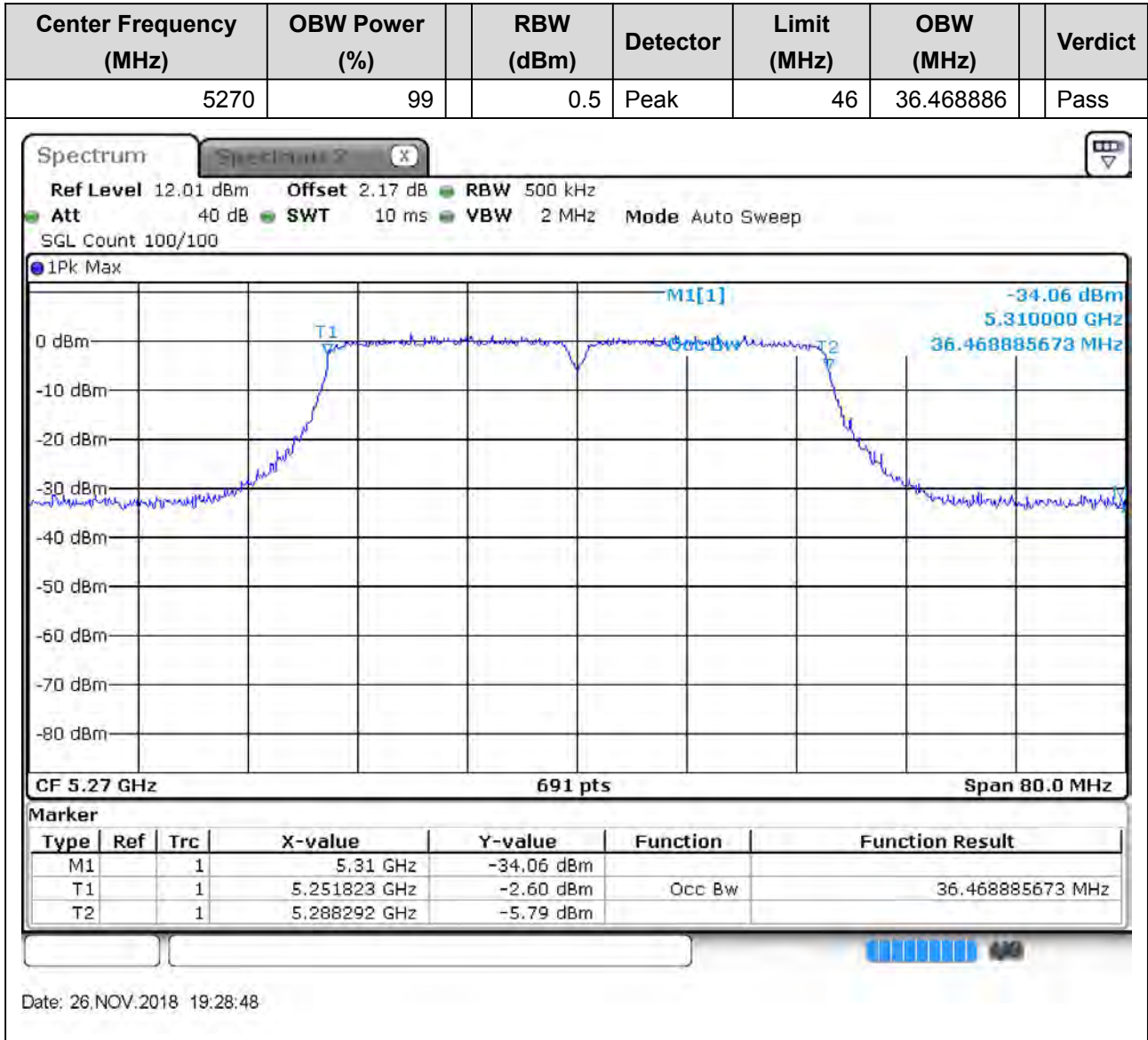
## 11. 802.11n\_40M\_Band1\_H

### 11.1. A.2.2-99% Bandwidth(NTNV)



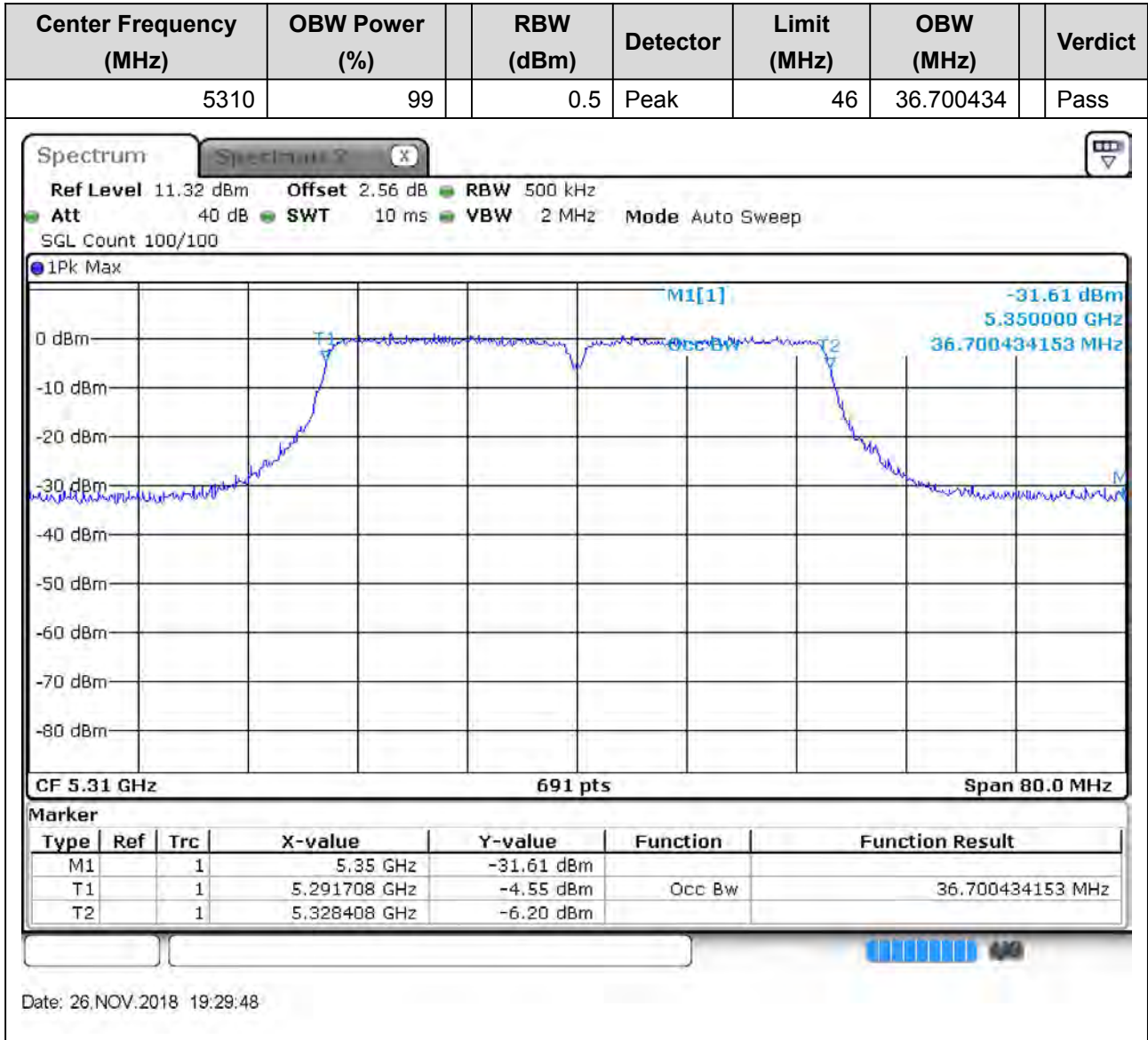
## 12. 802.11n\_40M\_Band2\_L

### 12.1. A.2.2-99% Bandwidth(NTNV)



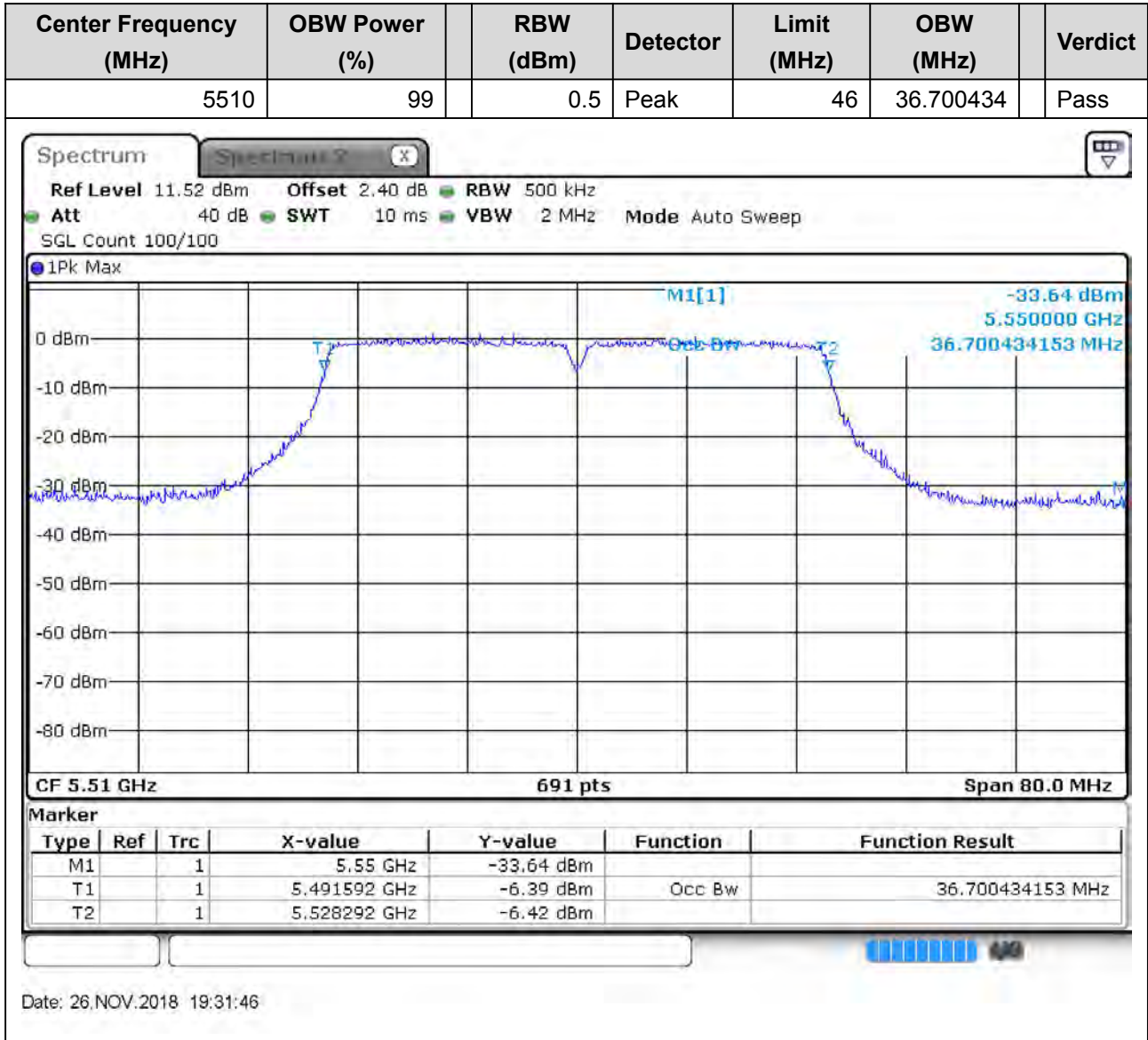
### 13. 802.11n\_40M\_Band2\_H

#### 13.1. A.2.2-99% Bandwidth(NTNV)



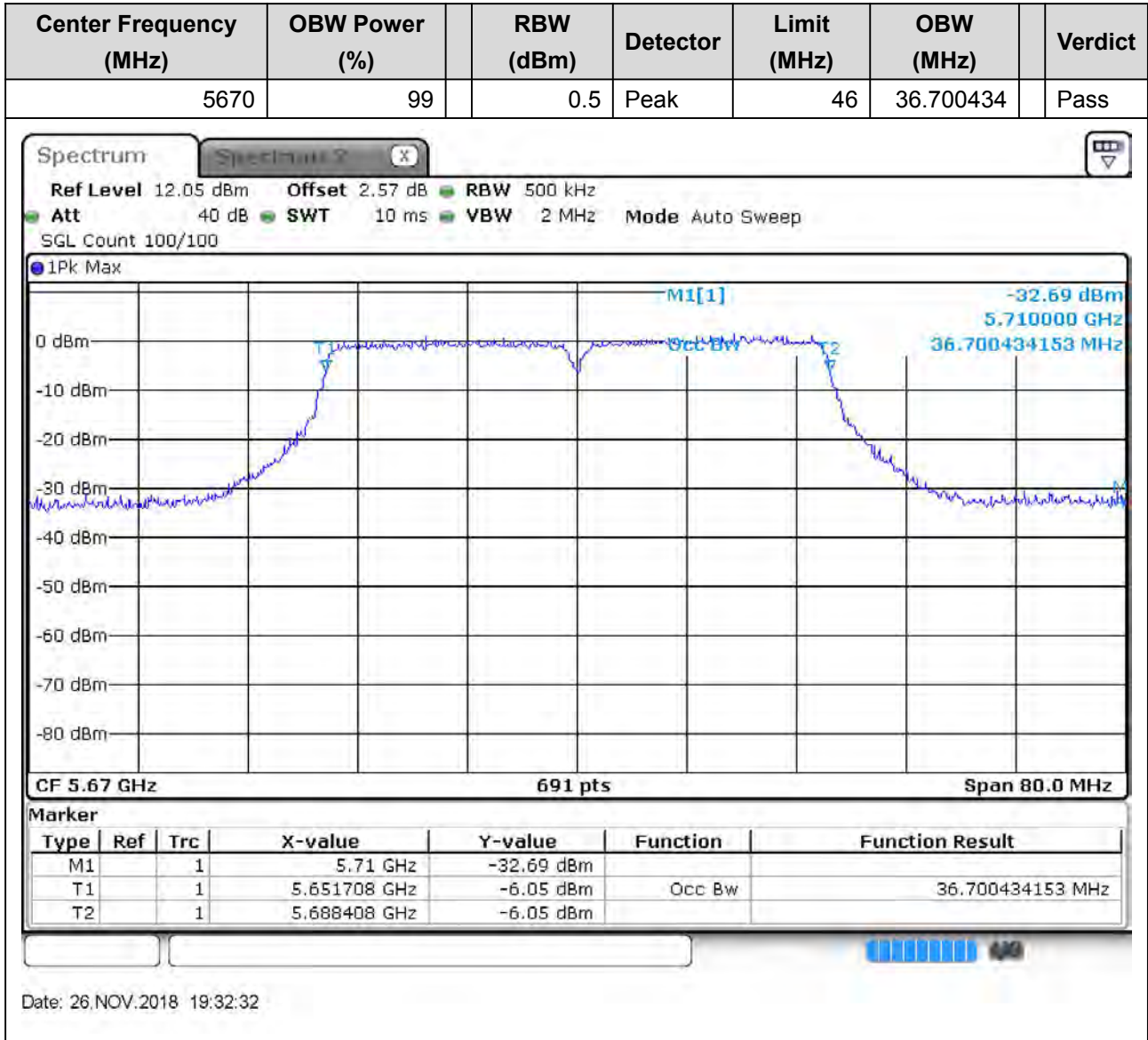
## 14. 802.11n\_40M\_Band3\_L

### 14.1. A.2.2-99% Bandwidth(NTNV)



## 15. 802.11n\_40M\_Band3\_H

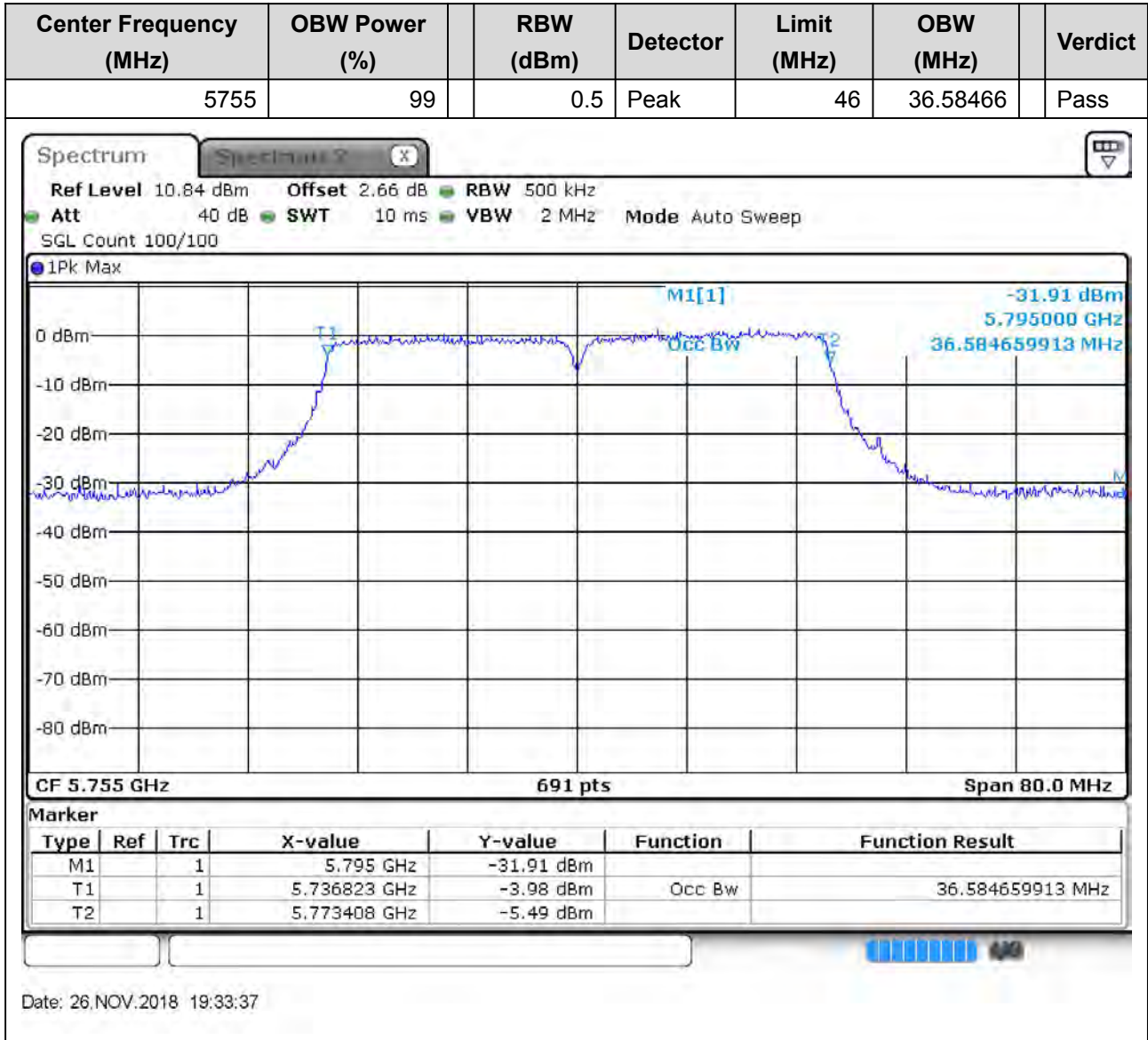
### 15.1. A.2.2-99% Bandwidth(NTNV)





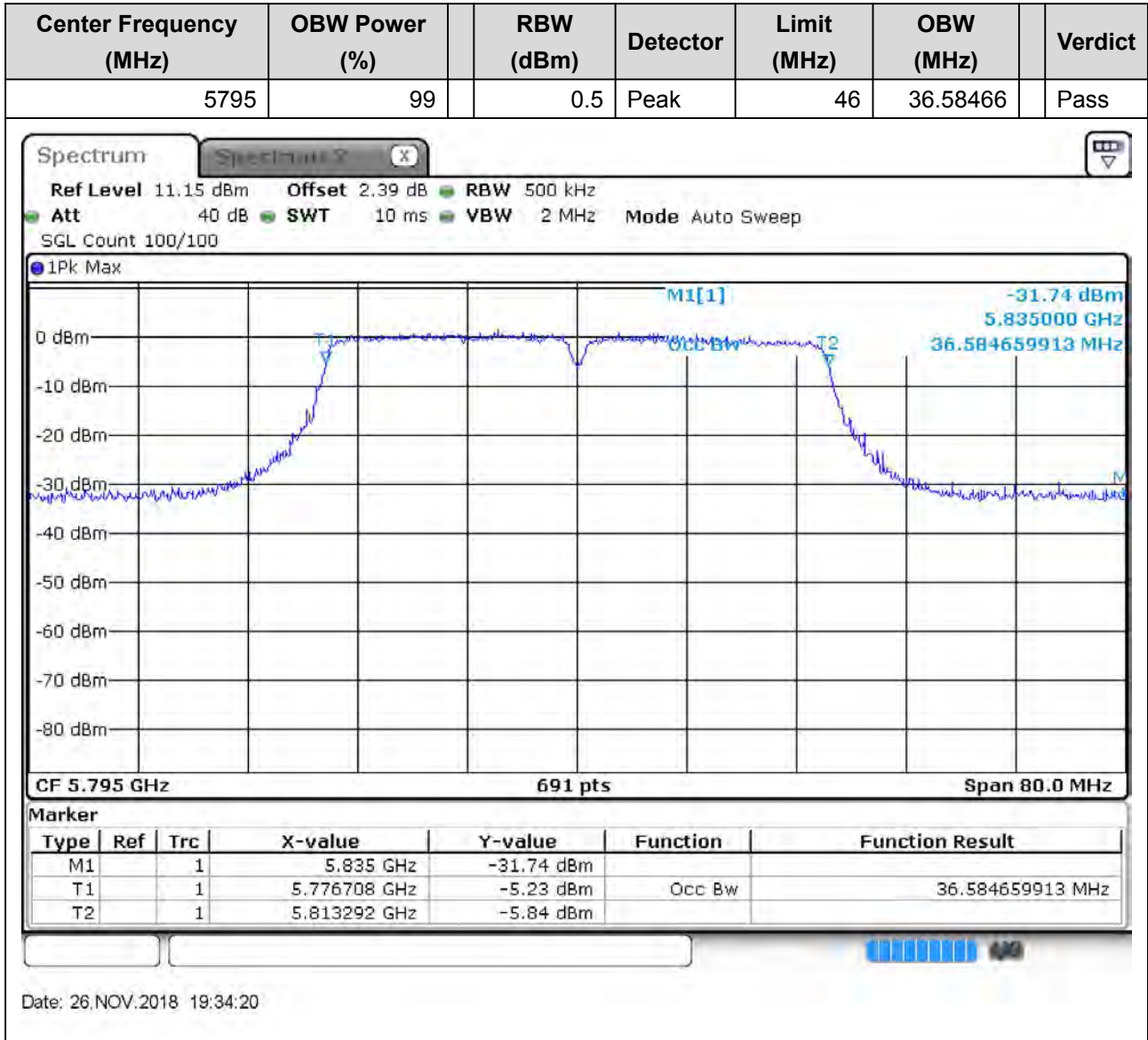
## 16. 802.11n\_40M\_Band4\_L

### 16.1. A.2.2-99% Bandwidth(NTNV)



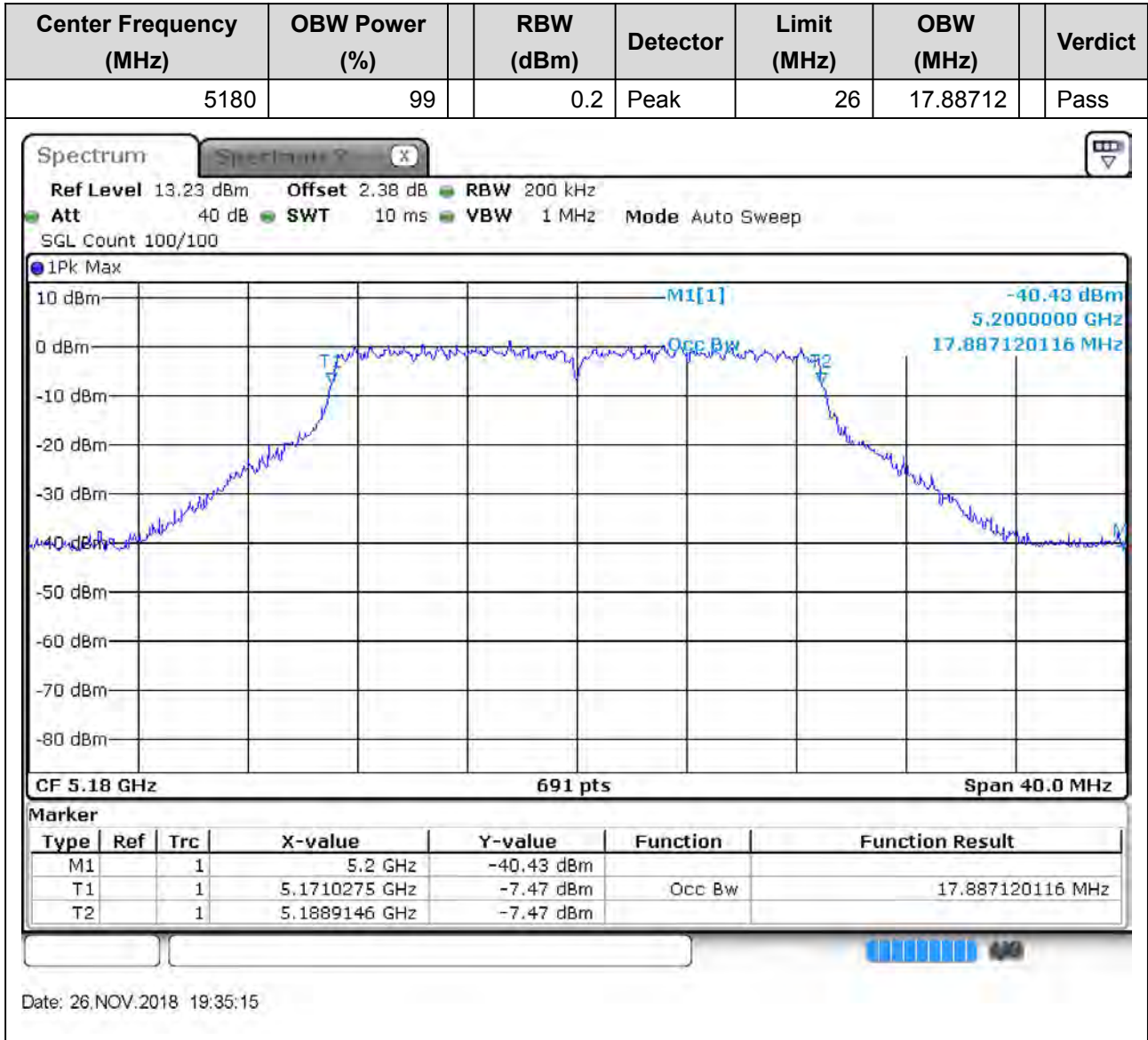
## 17. 802.11n\_40M\_Band4\_H

### 17.1. A.2.2-99% Bandwidth(NTNV)



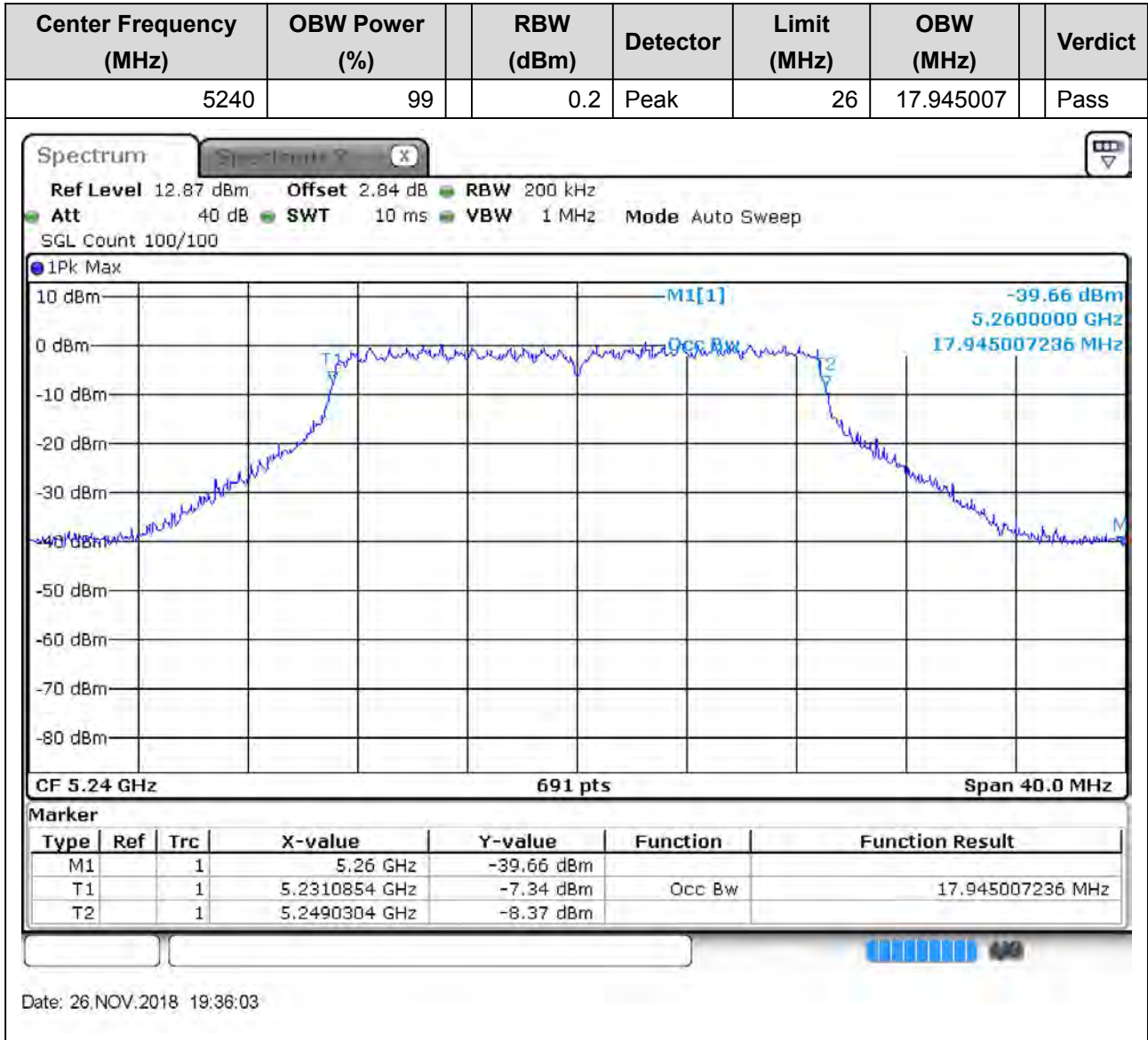
## 18. 802.11ac\_20M\_Band1\_L

### 18.1. A.2.2-99% Bandwidth(NTNV)



## 19. 802.11ac\_20M\_Band1\_H

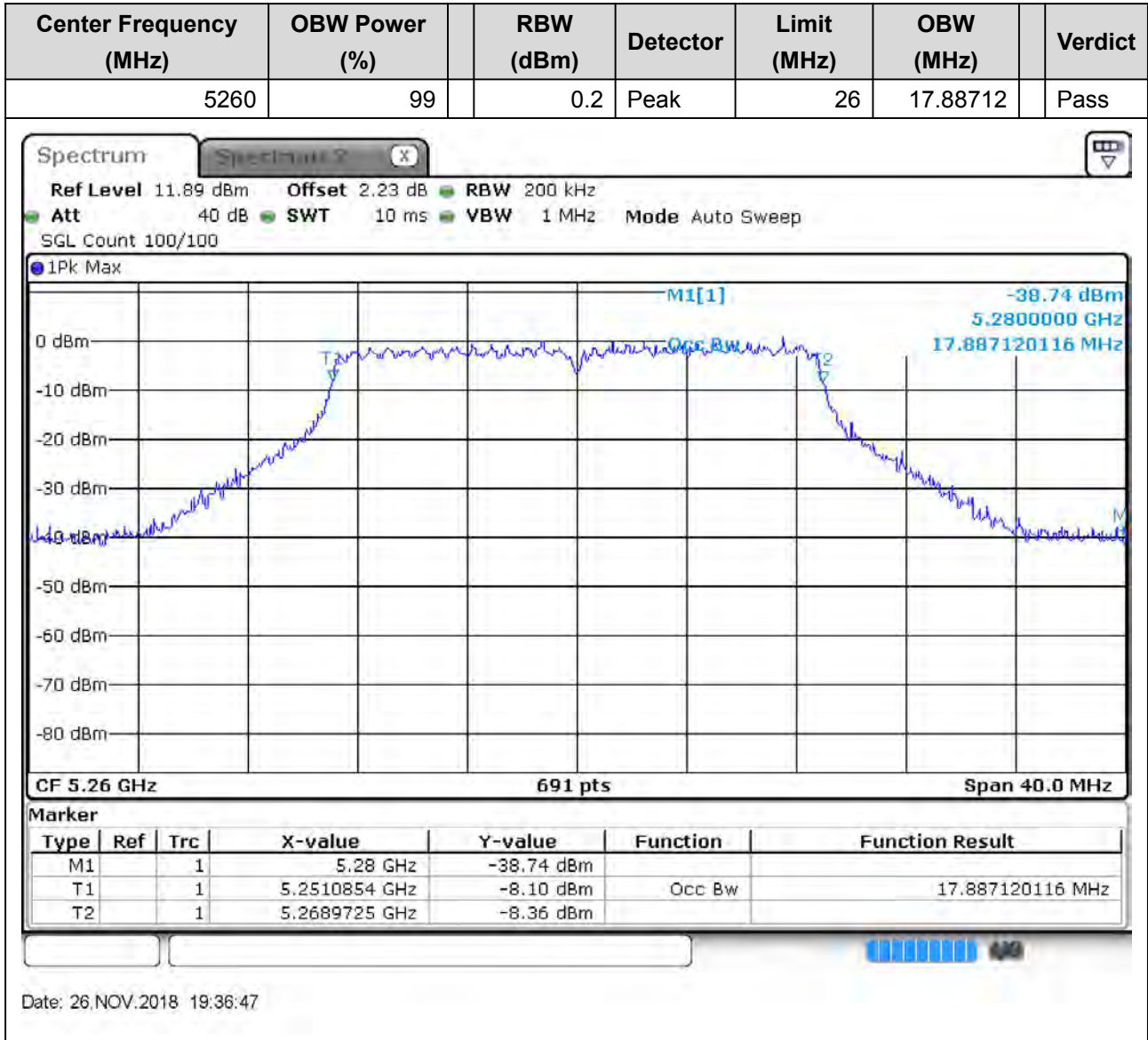
### 19.1. A.2.2-99% Bandwidth(NTNV)





## 20. 802.11ac\_20M\_Band2\_L

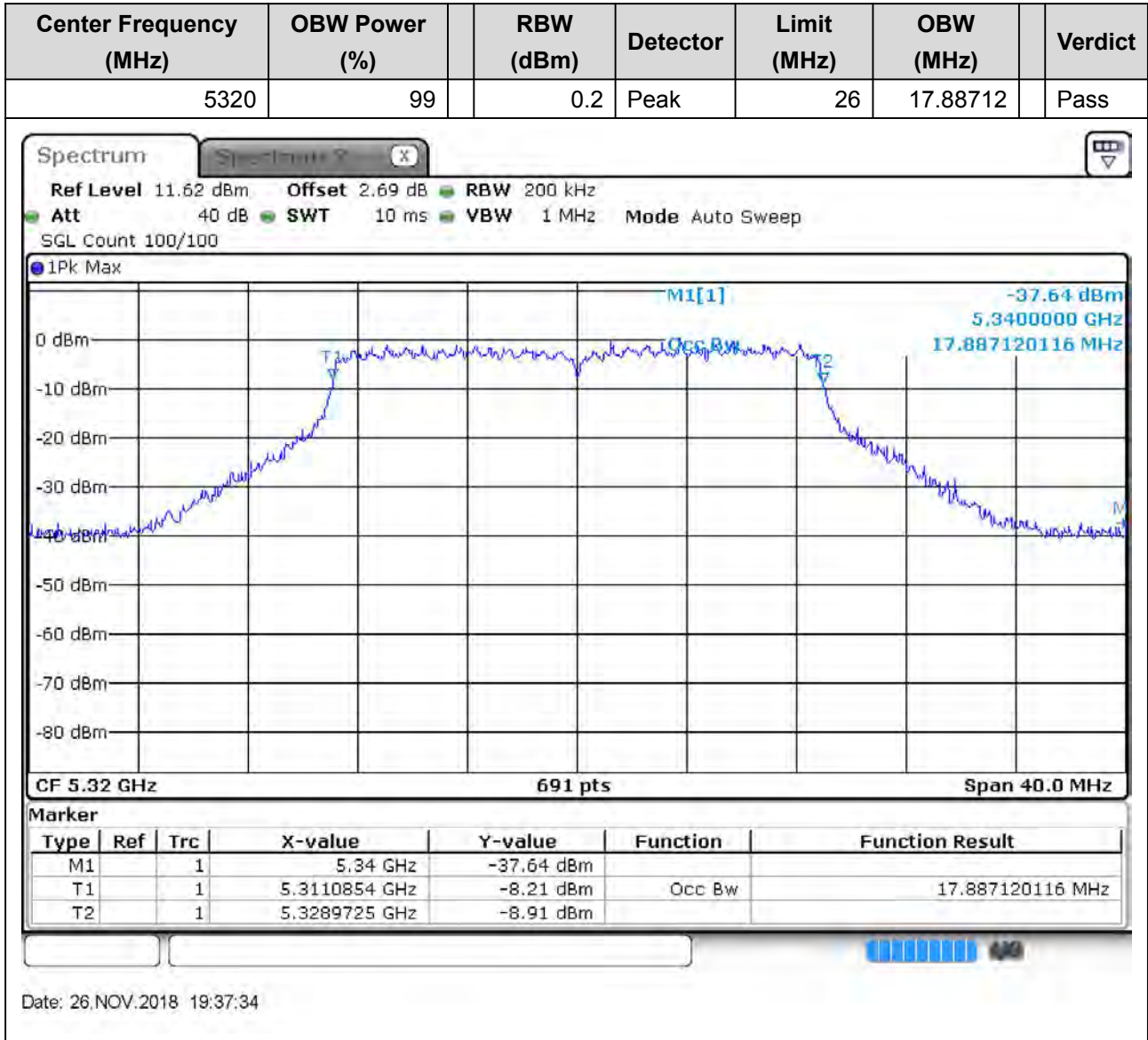
### 20.1. A.2.2-99% Bandwidth(NTNV)





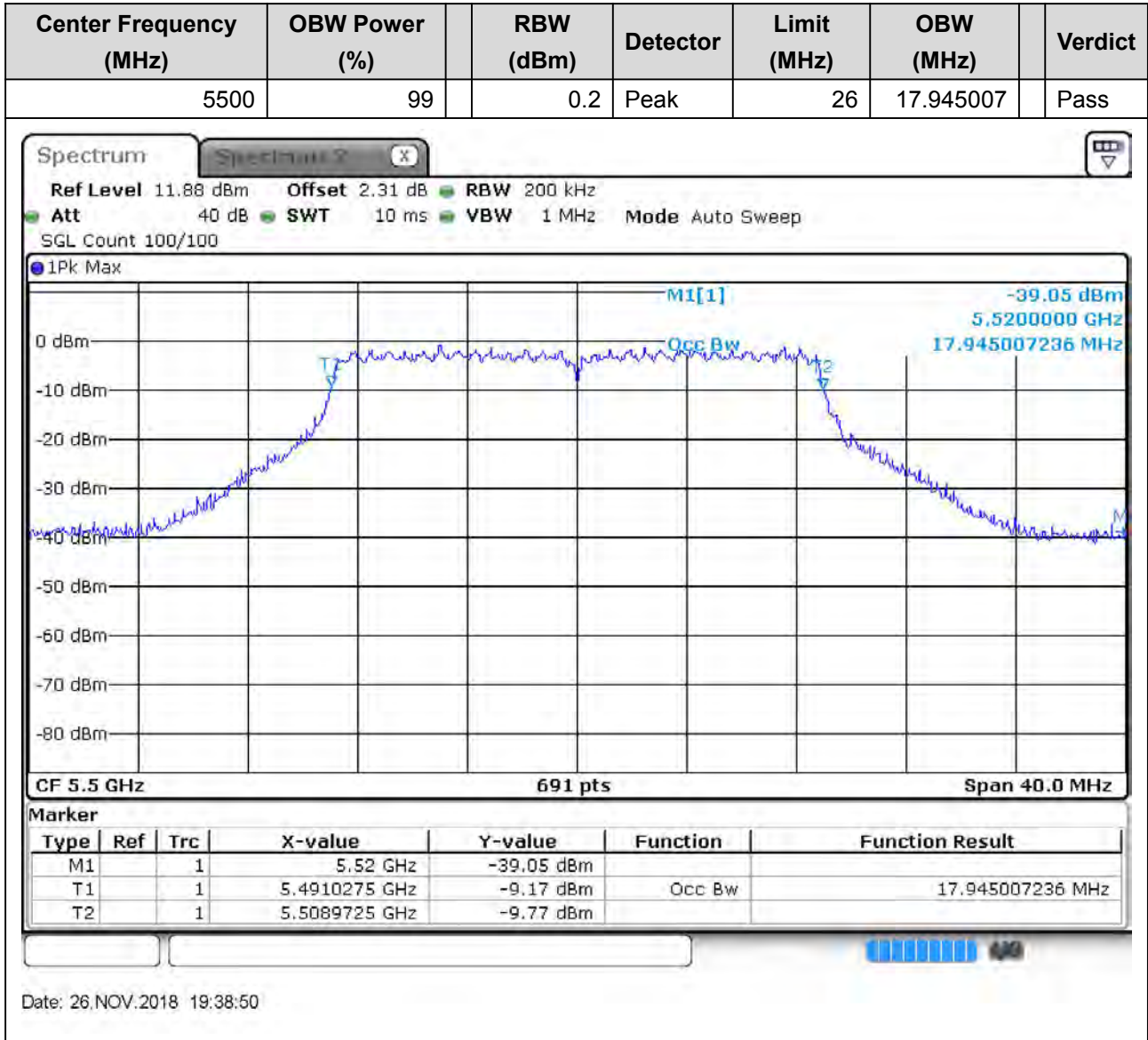
## 21. 802.11ac\_20M\_Band2\_H

### 21.1. A.2.2-99% Bandwidth(NTNV)



## 22. 802.11ac\_20M\_Band3\_L

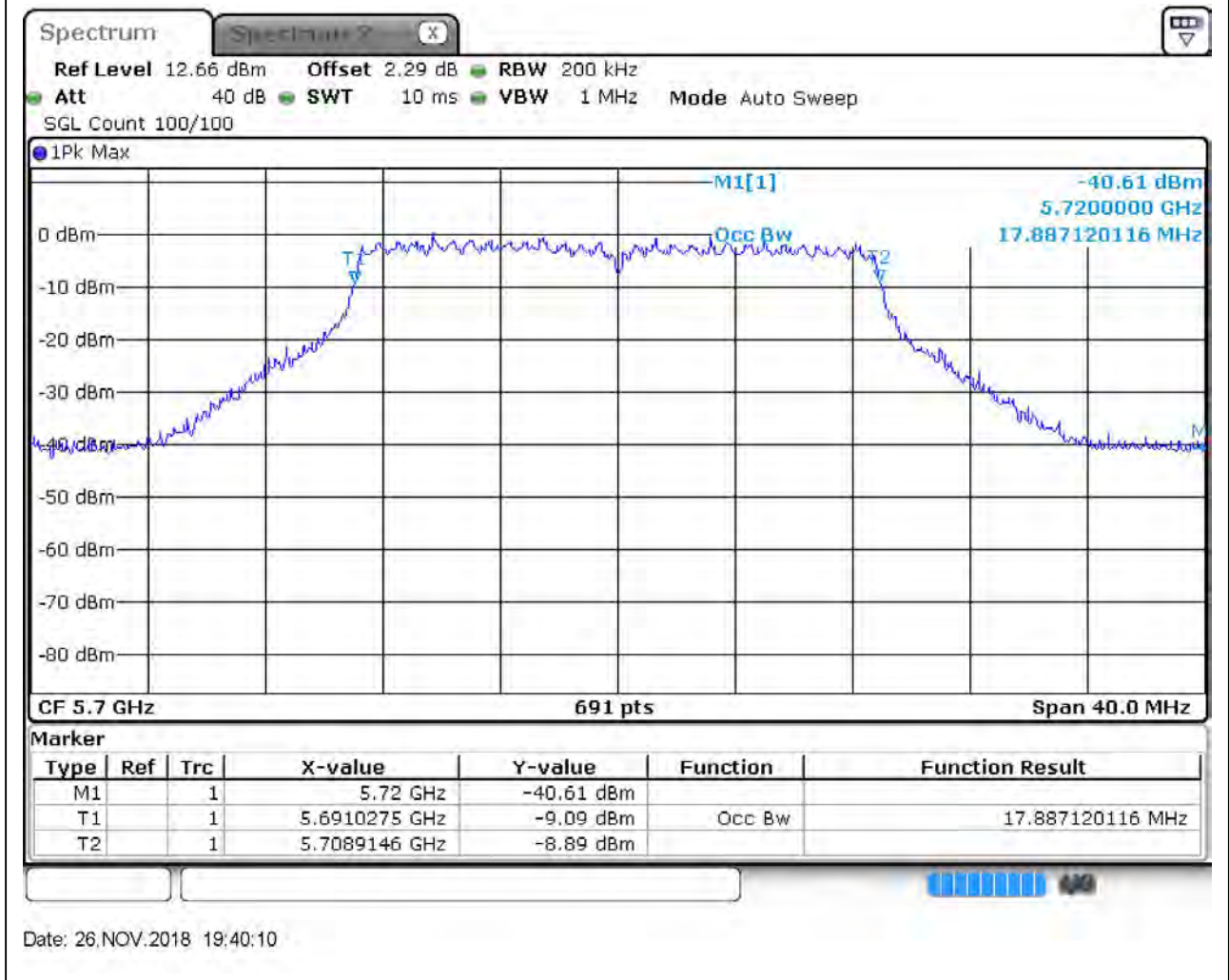
### 22.1. A.2.2-99% Bandwidth(NTNV)



## 23. 802.11ac\_20M\_Band3\_H

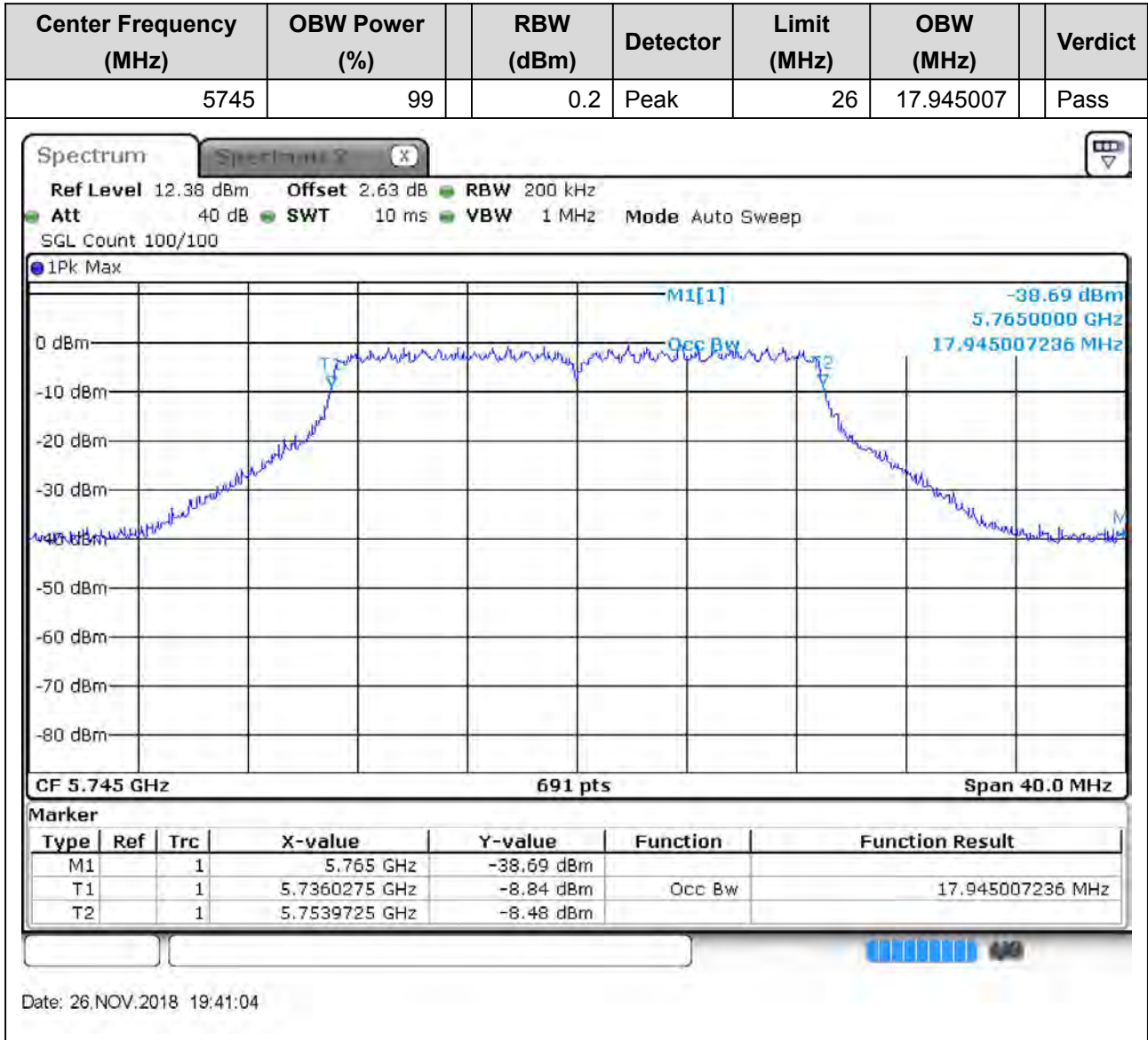
### 23.1. A.2.2-99% Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5700	99	0.2	Peak	26	17.88712	Pass



## 24. 802.11ac\_20M\_Band4\_L

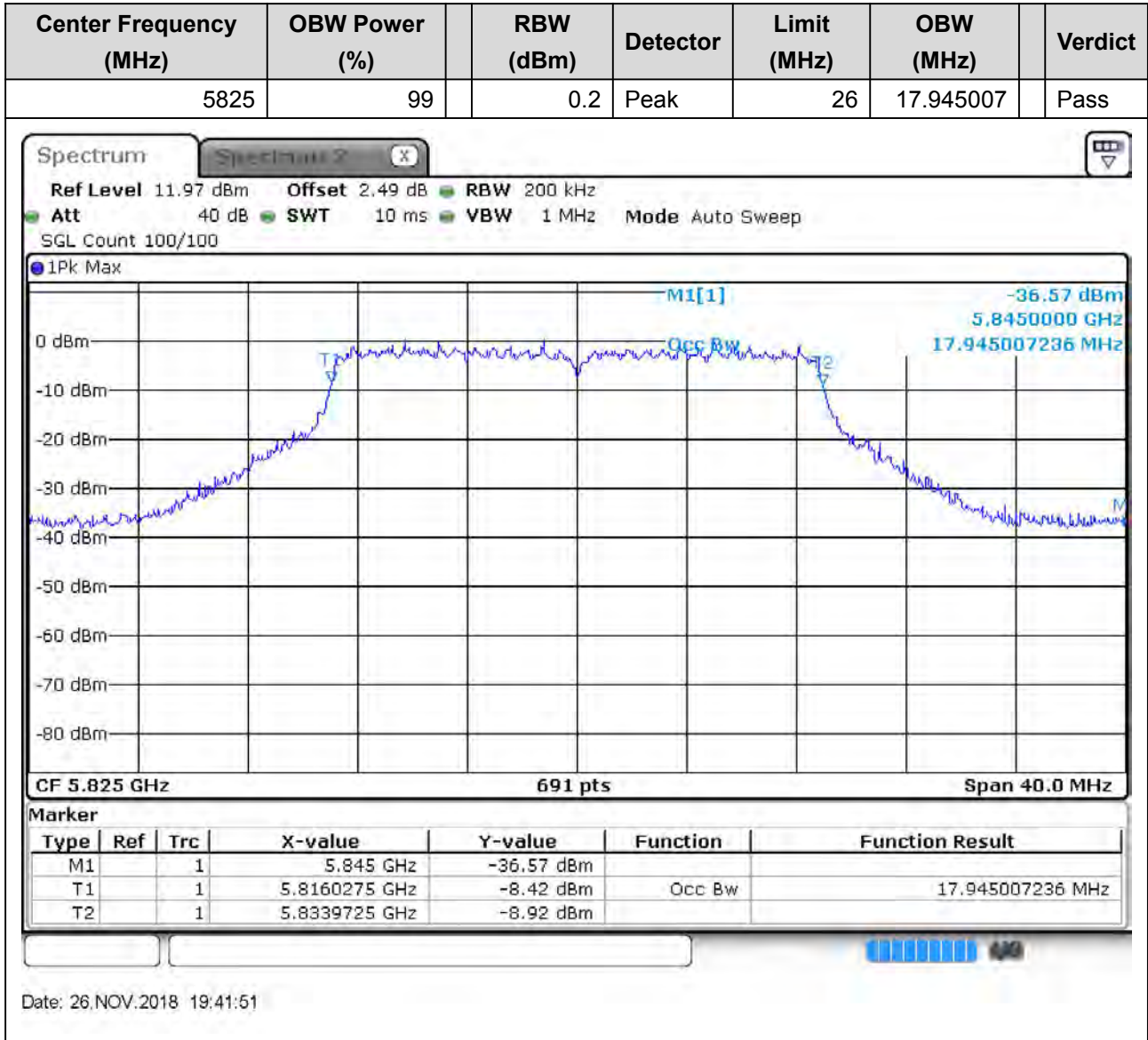
### 24.1. A.2.2-99% Bandwidth(NTNV)





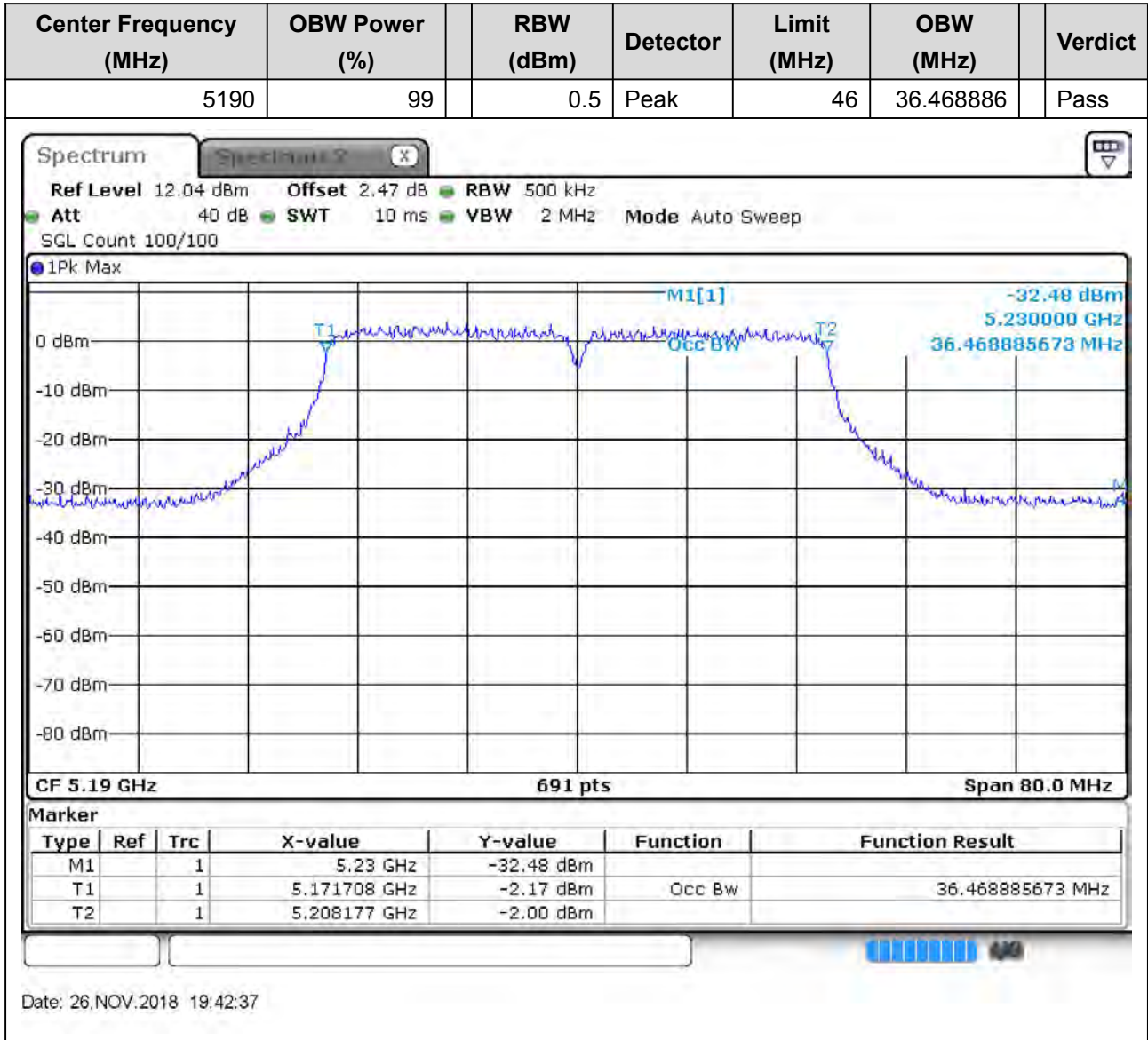
## 25. 802.11ac\_20M\_Band4\_H

### 25.1. A.2.2-99% Bandwidth(NTNV)



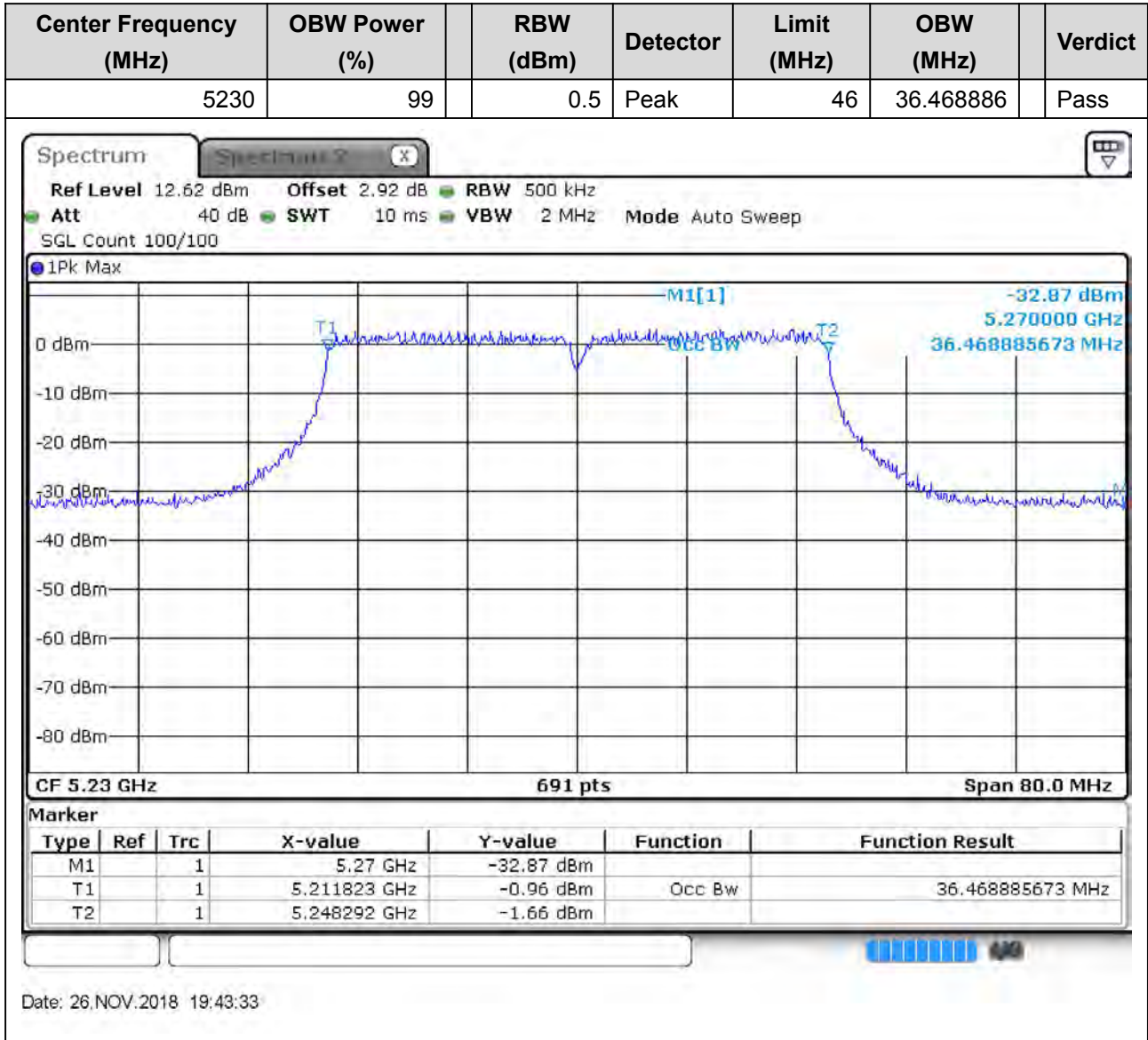
## 26. 802.11ac\_40M\_Band1\_L

### 26.1. A.2.2-99% Bandwidth(NTNV)



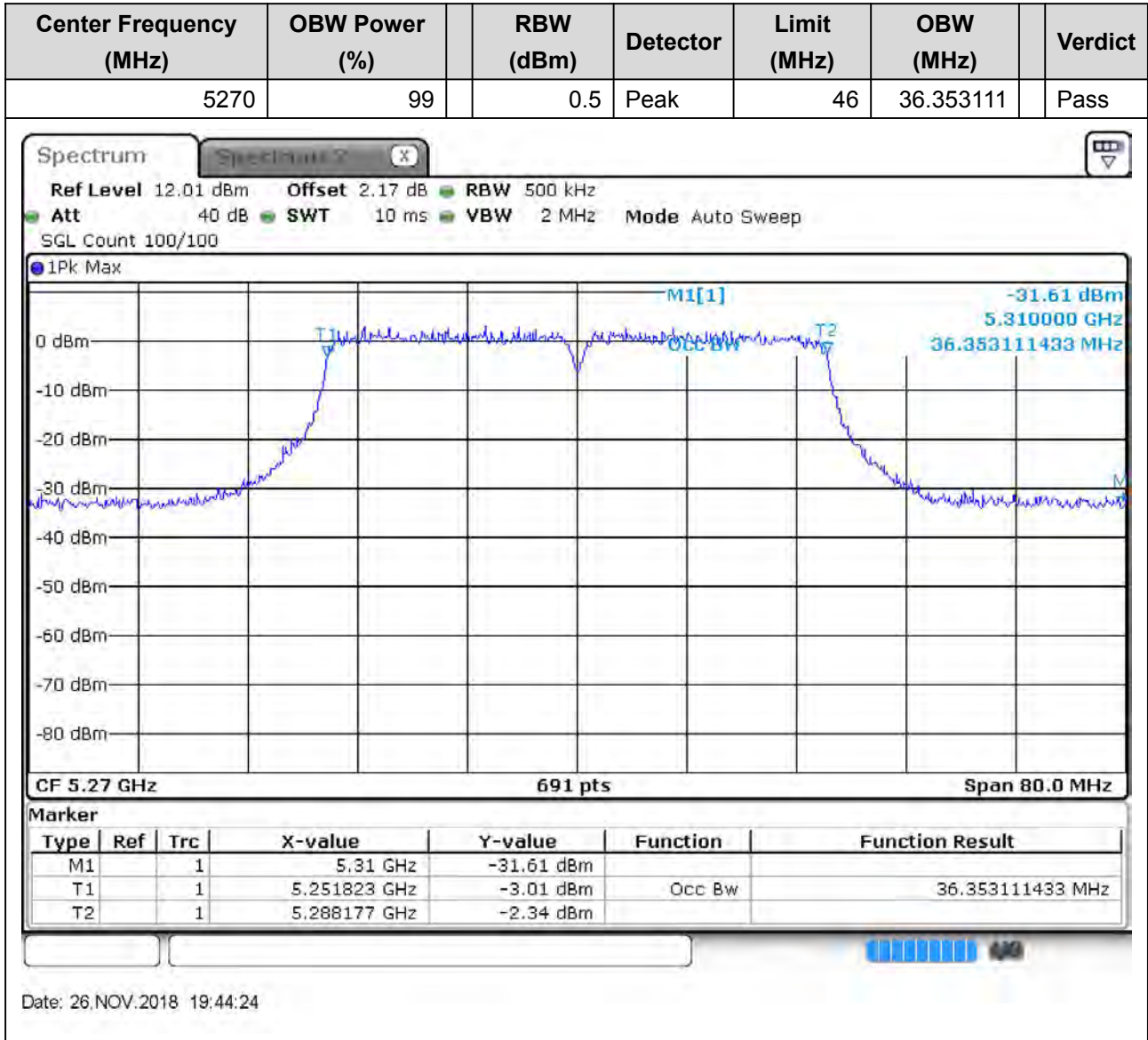
## 27. 802.11ac\_40M\_Band1\_H

### 27.1. A.2.2-99% Bandwidth(NTNV)



## 28. 802.11ac\_40M\_Band2\_L

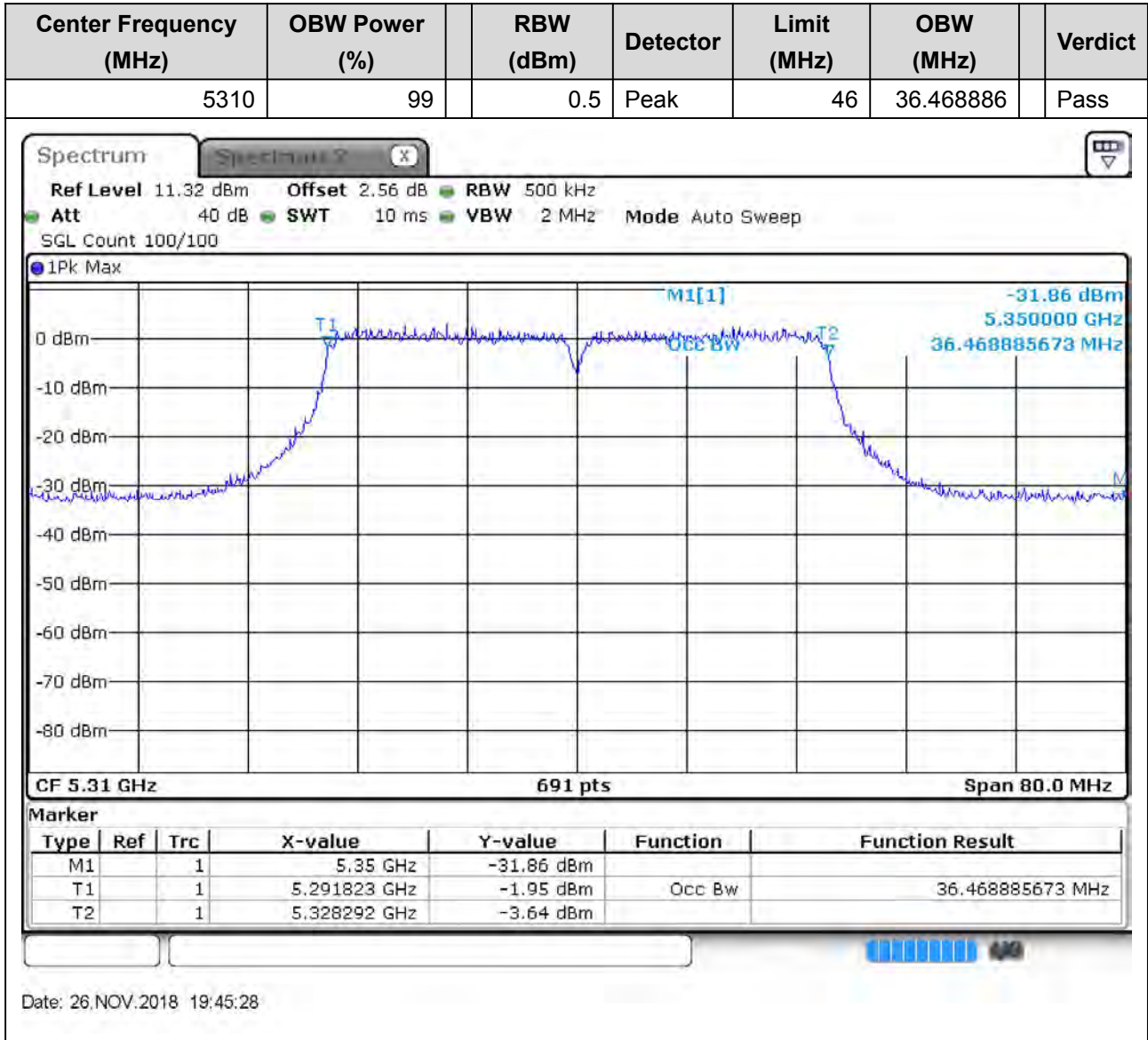
### 28.1. A.2.2-99% Bandwidth(NTNV)





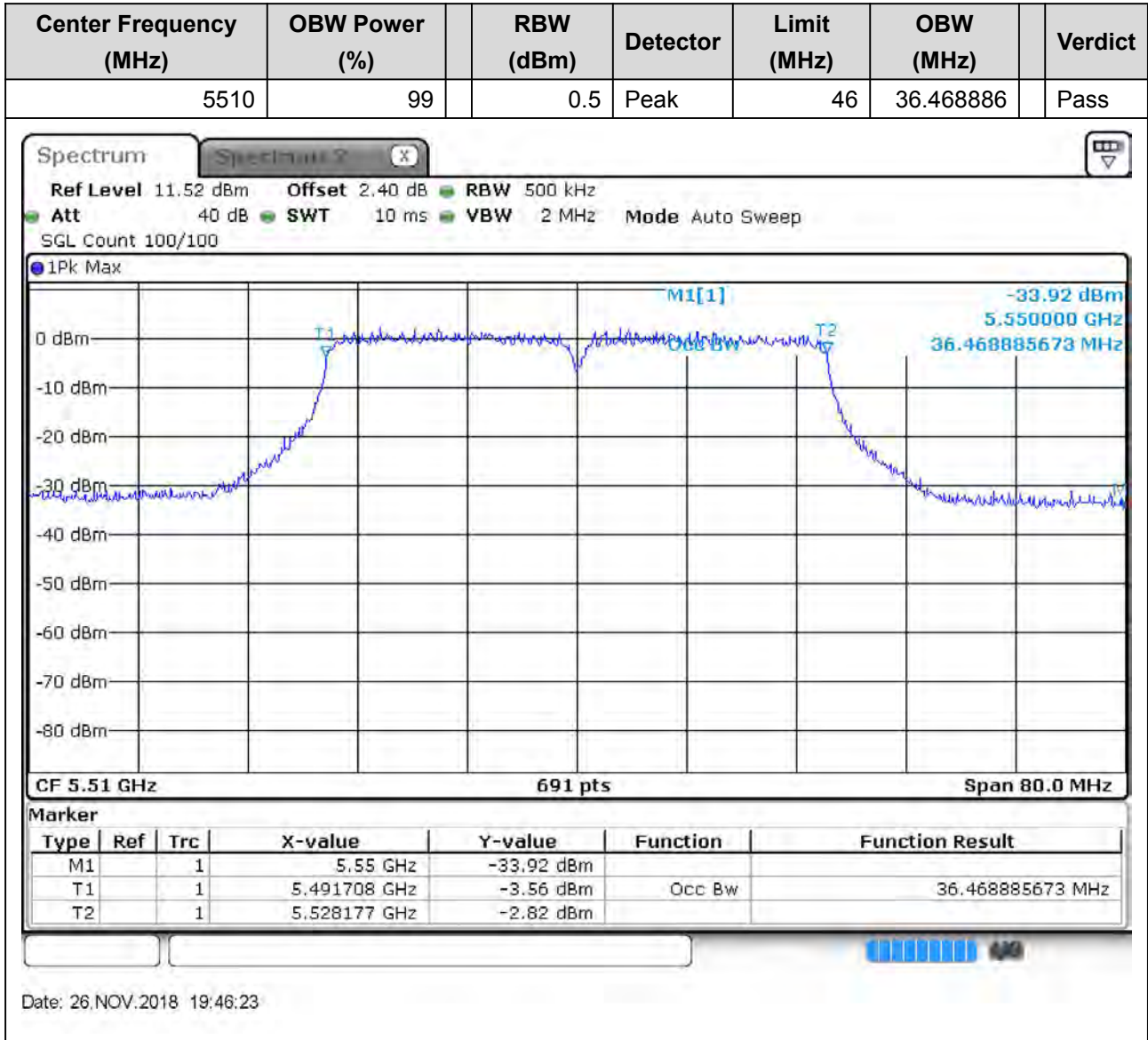
## 29. 802.11ac\_40M\_Band2\_H

### 29.1. A.2.2-99% Bandwidth(NTNV)



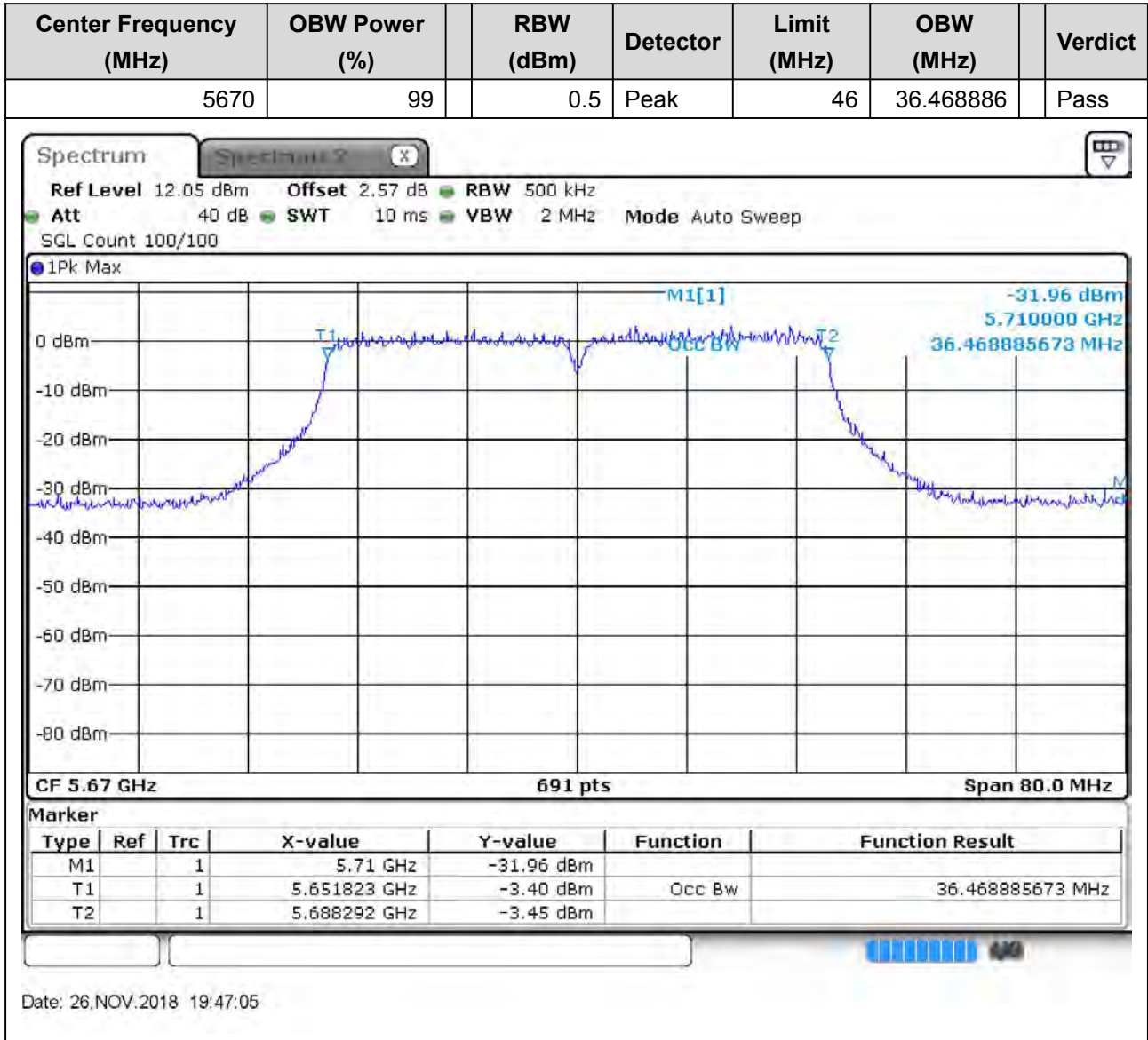
### 30. 802.11ac\_40M\_Band3\_L

#### 30.1. A.2.2-99% Bandwidth(NTNV)



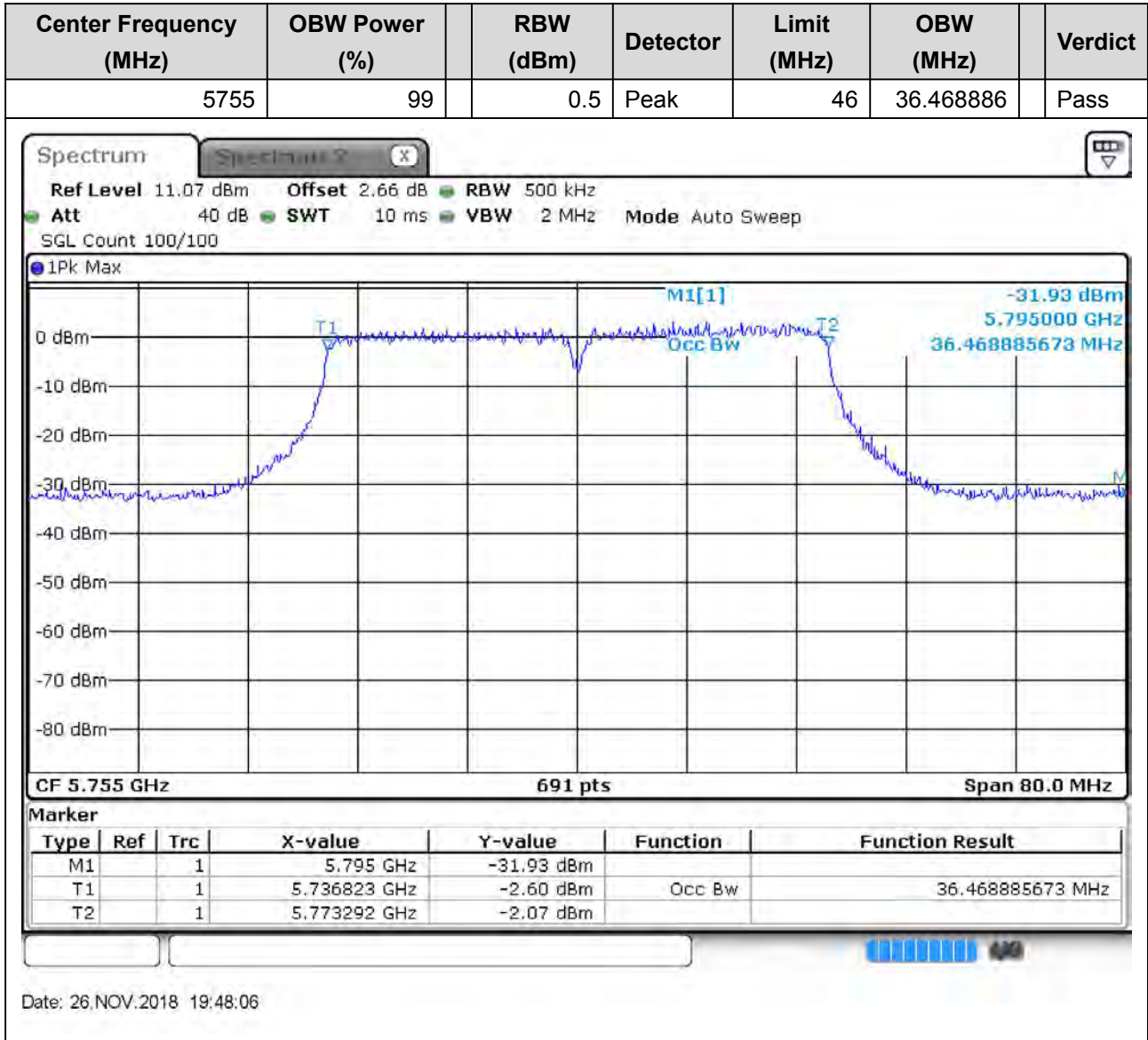
### 31. 802.11ac\_40M\_Band3\_H

#### 31.1. A.2.2-99% Bandwidth(NTNV)



## 32. 802.11ac\_40M\_Band4\_L

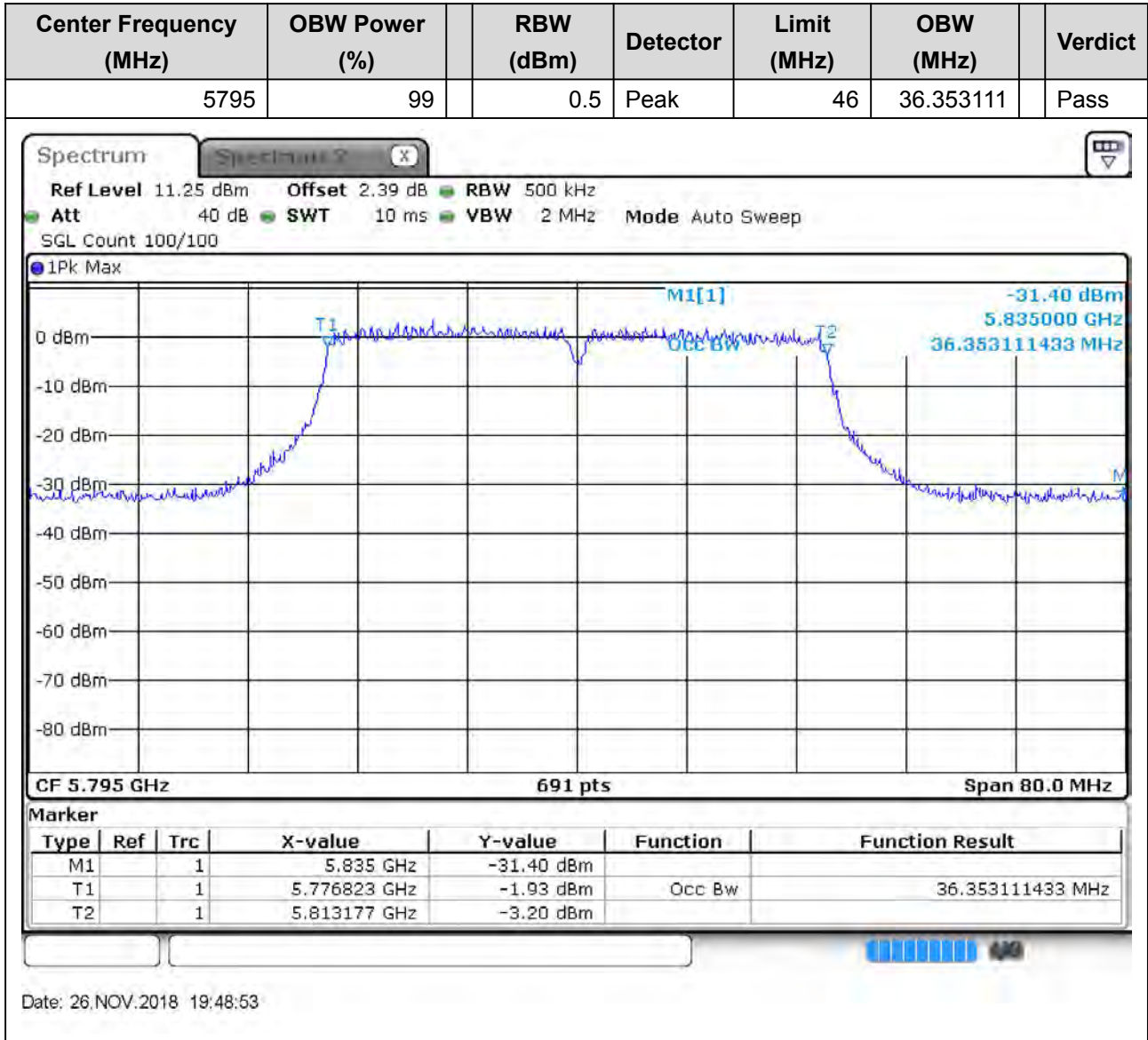
### 32.1. A.2.2-99% Bandwidth(NTNV)





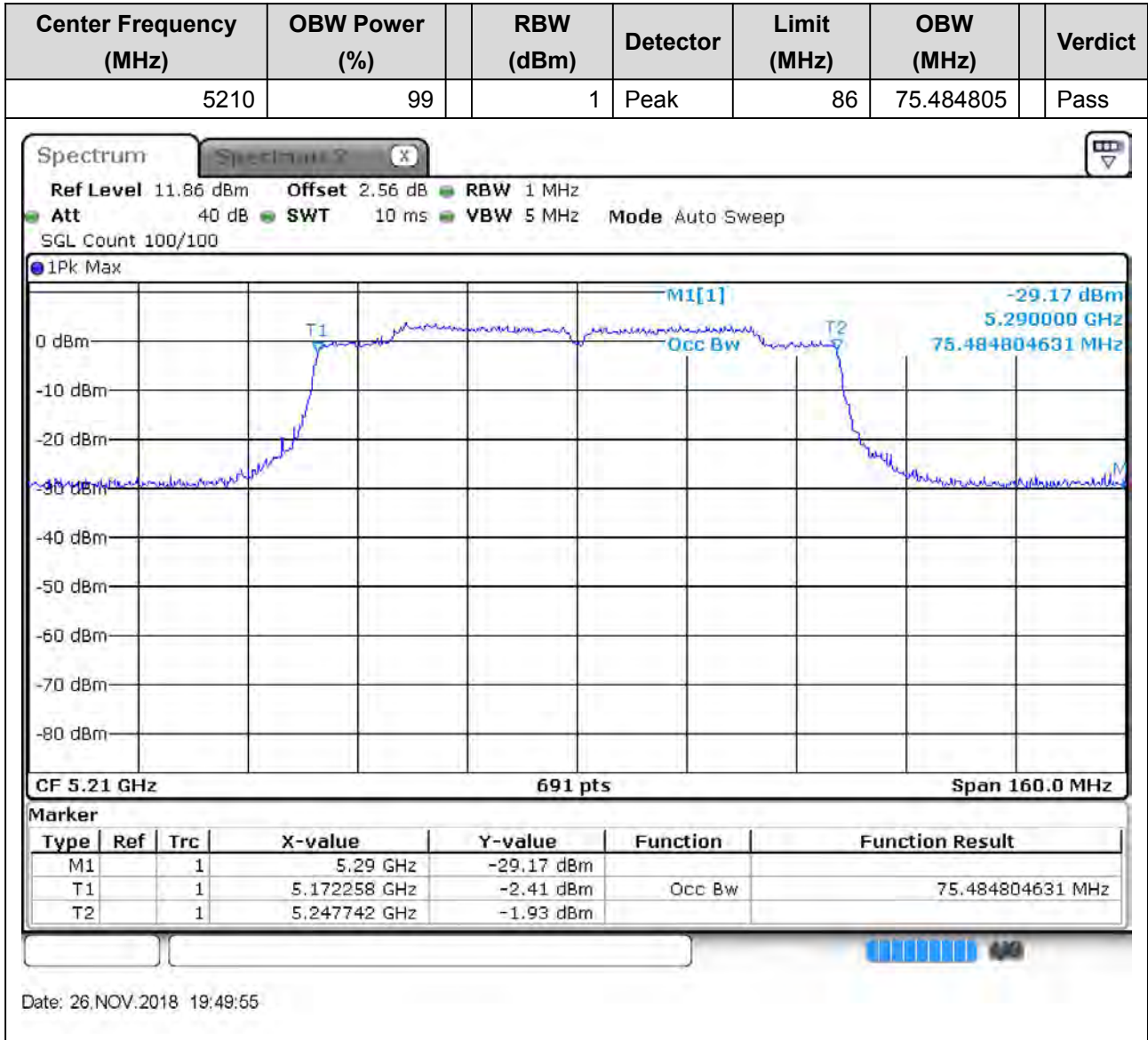
### 33. 802.11ac\_40M\_Band4\_H

#### 33.1. A.2.2-99% Bandwidth(NTNV)



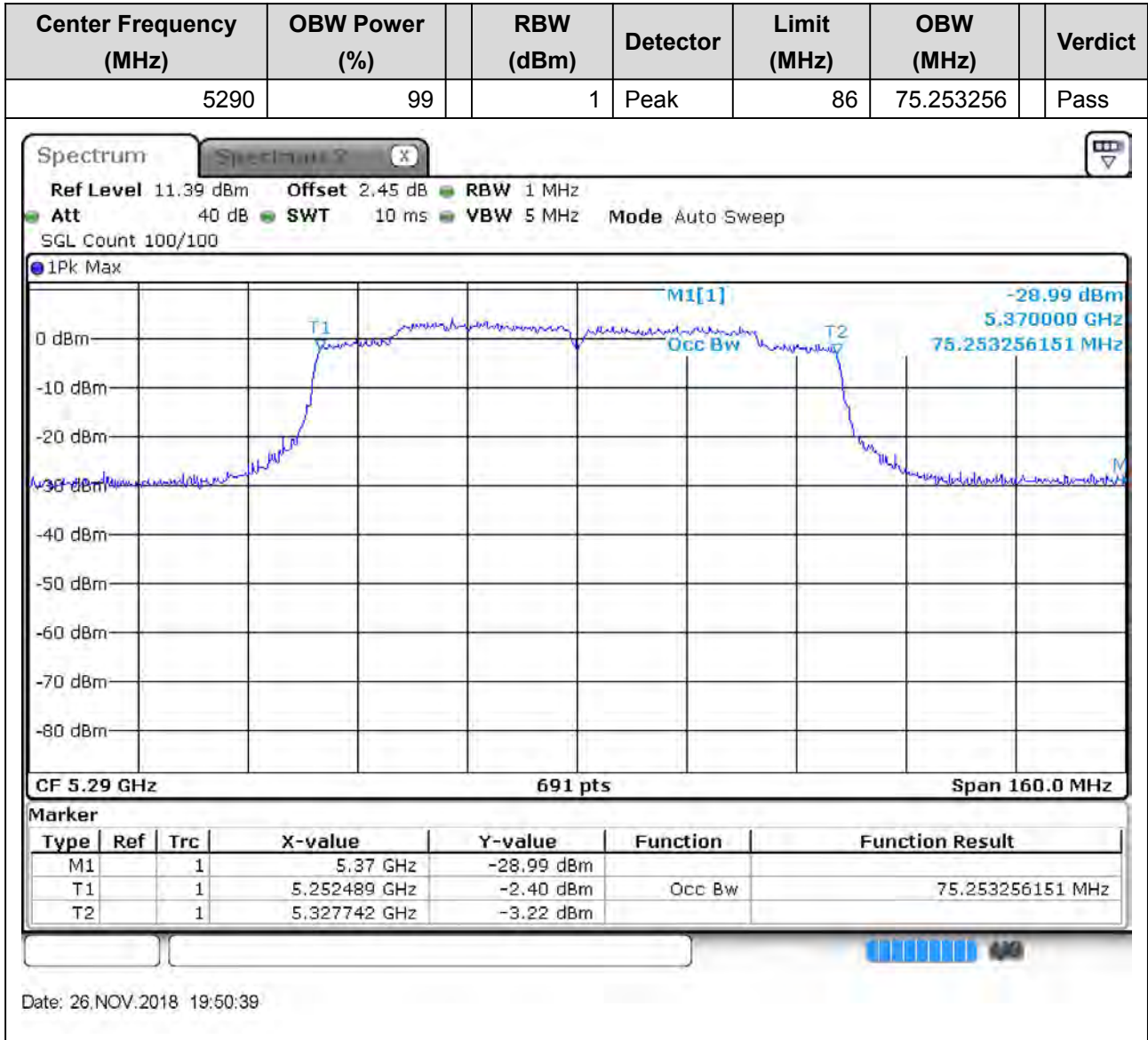
### 34. 802.11ac\_80M\_Band1\_M

#### 34.1. A.2.2-99% Bandwidth(NTNV)



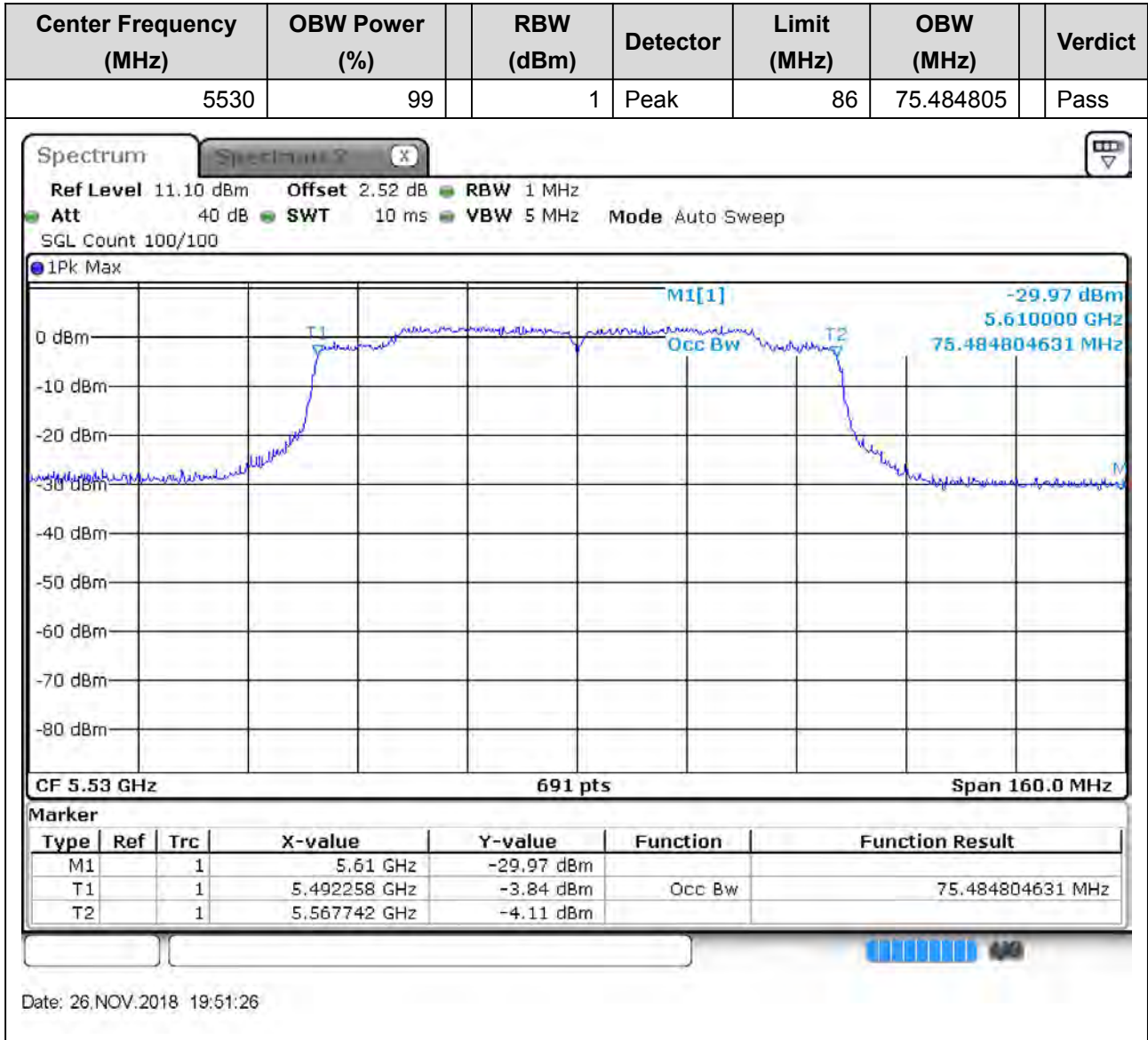
### 35. 802.11ac\_80M\_Band2\_M

#### 35.1. A.2.2-99% Bandwidth(NTNV)



### 36. 802.11ac\_80M\_Band3\_L

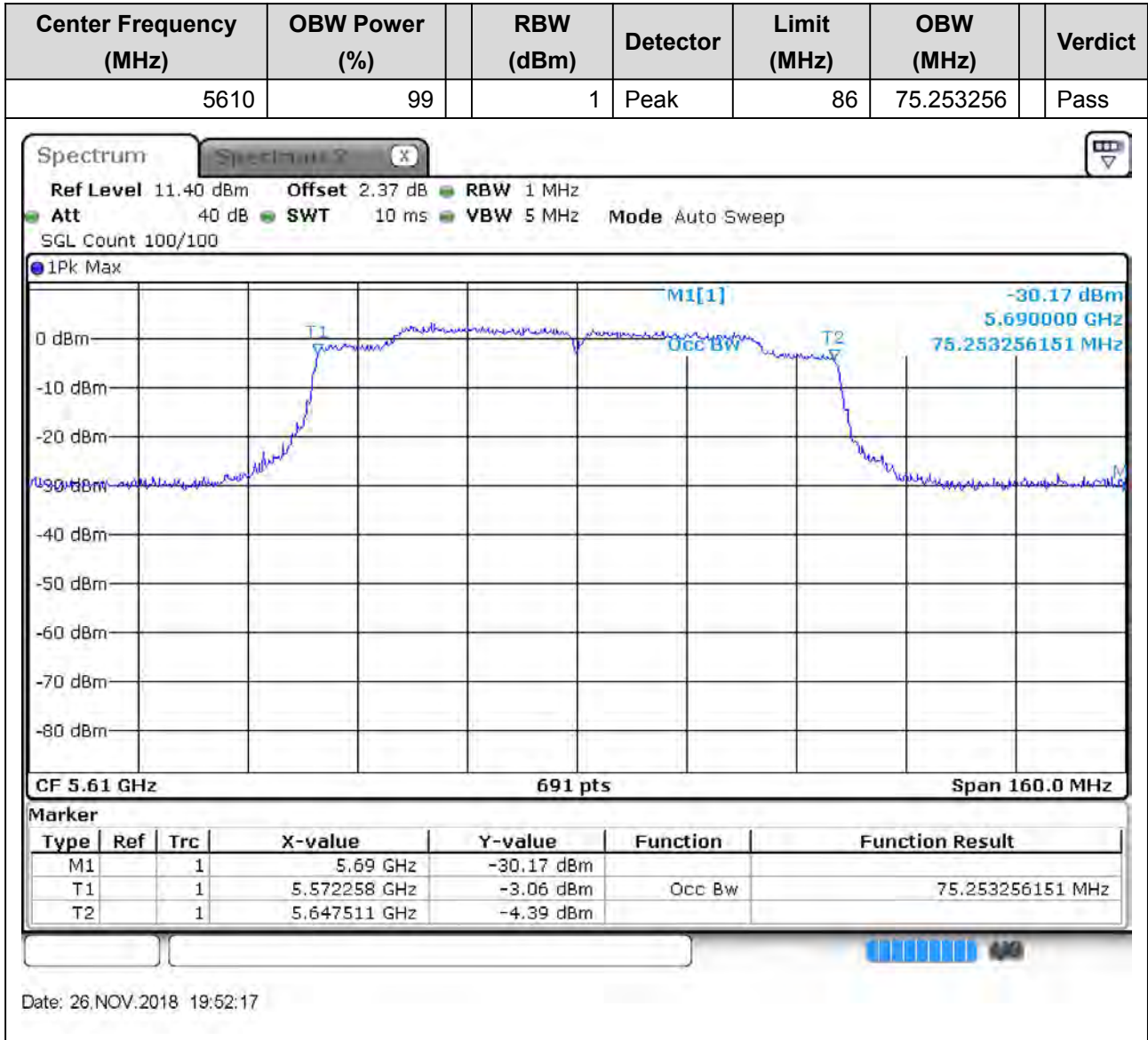
#### 36.1. A.2.2-99% Bandwidth(NTNV)





### 37. 802.11ac\_80M\_Band3\_M

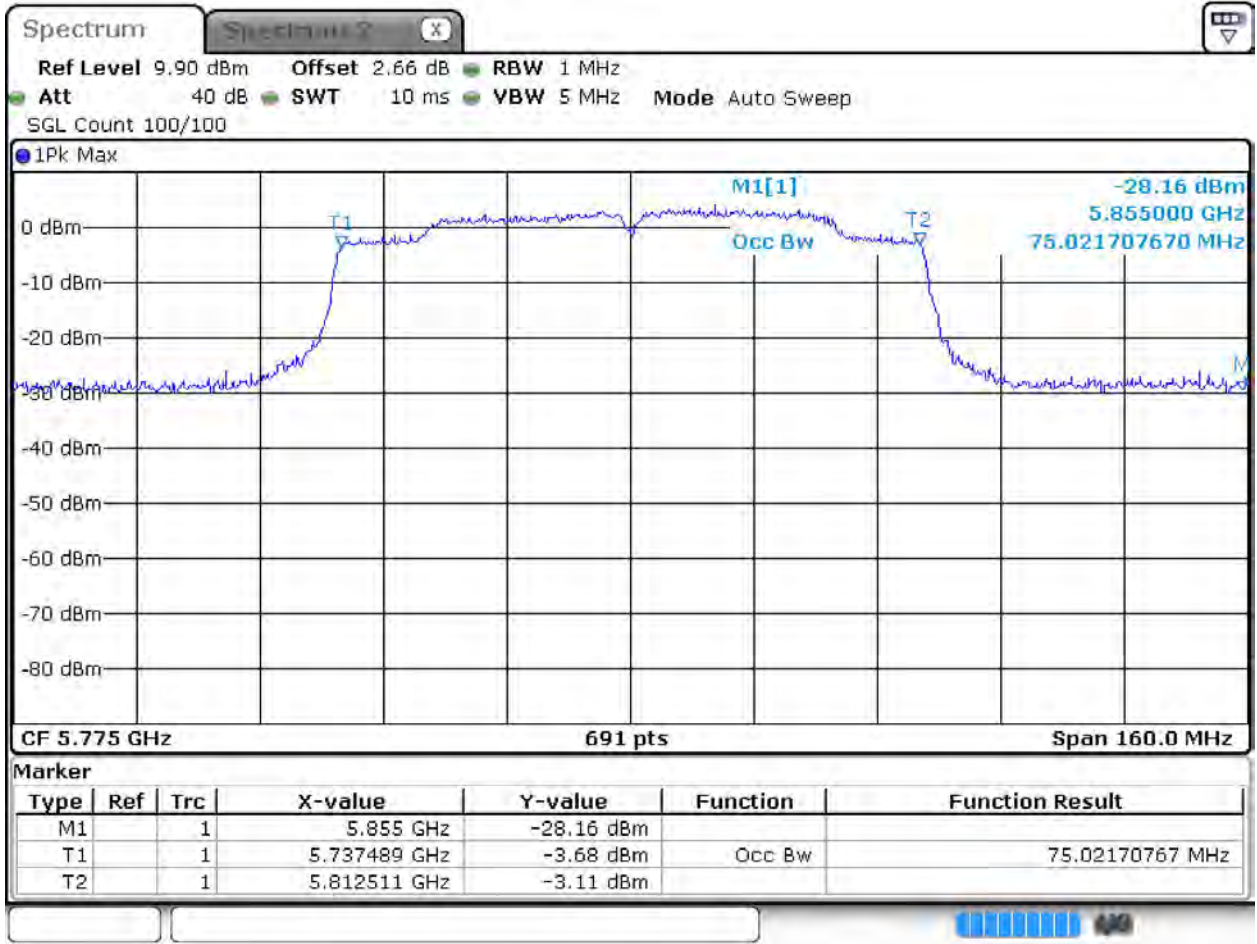
#### 37.1. A.2.2-99% Bandwidth(NTNV)



### 38. 802.11ac\_80M\_Band4\_M

#### 38.1. A.2.2-99% Bandwidth(NTNV)

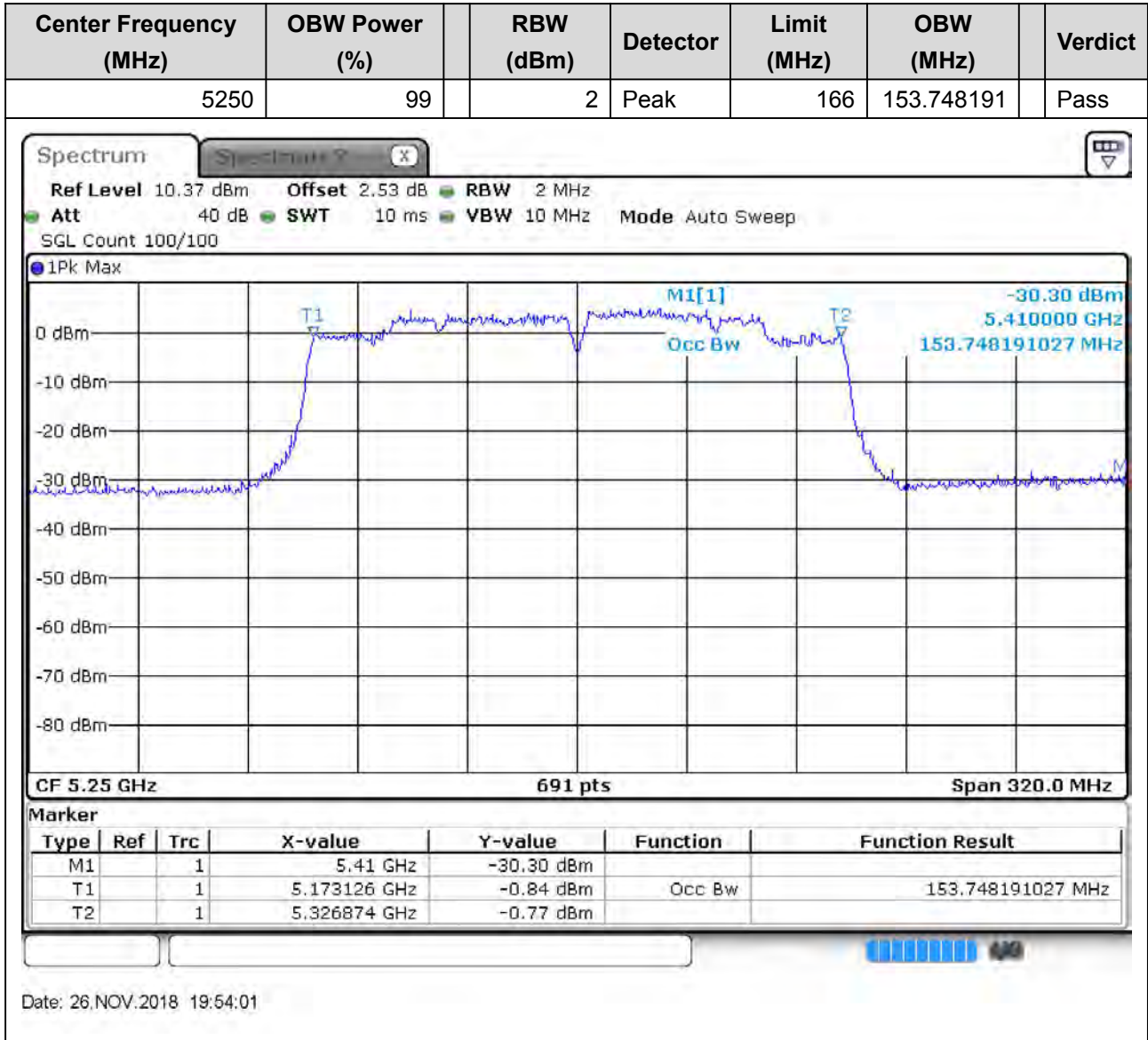
Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5775	99	1	Peak	86	75.021708	Pass



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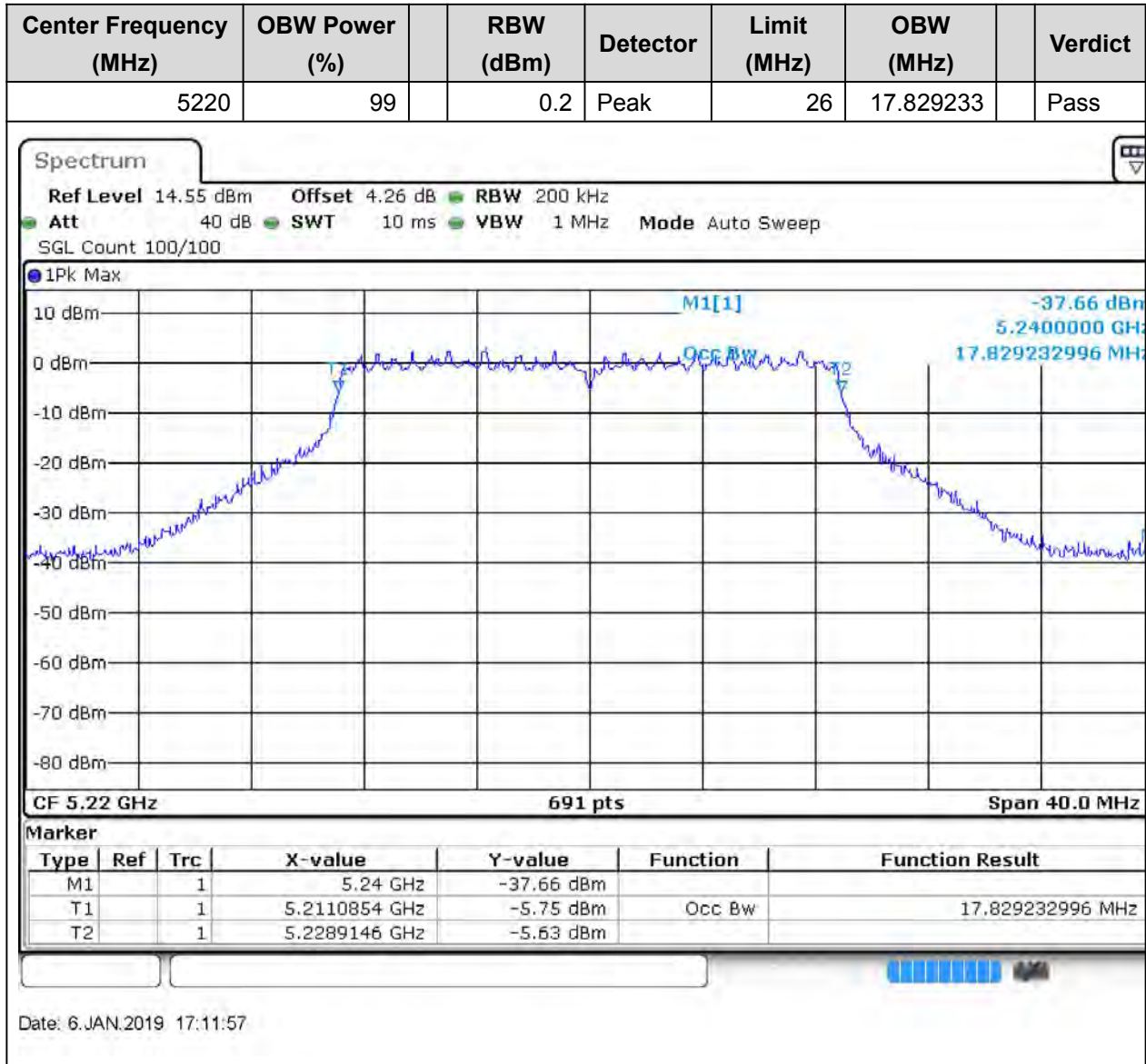
### 39. 802.11ac\_160M\_Band2\_M

#### 39.1. A.2.2-99% Bandwidth(NTNV)



# 1. 802.11n\_20M\_Band1\_M

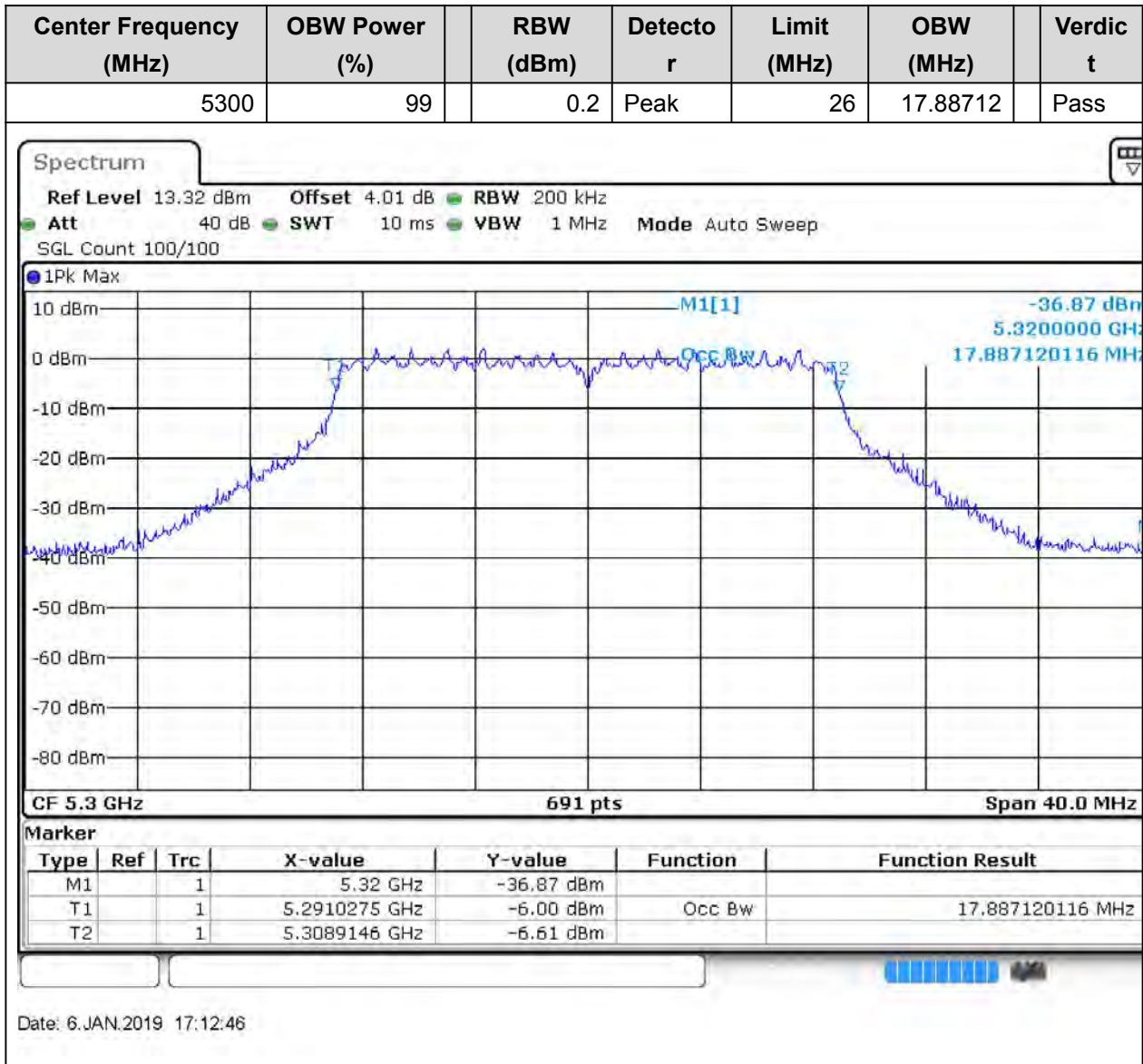
## 1.1. A.2.2-99% Bandwidth(NTNV)





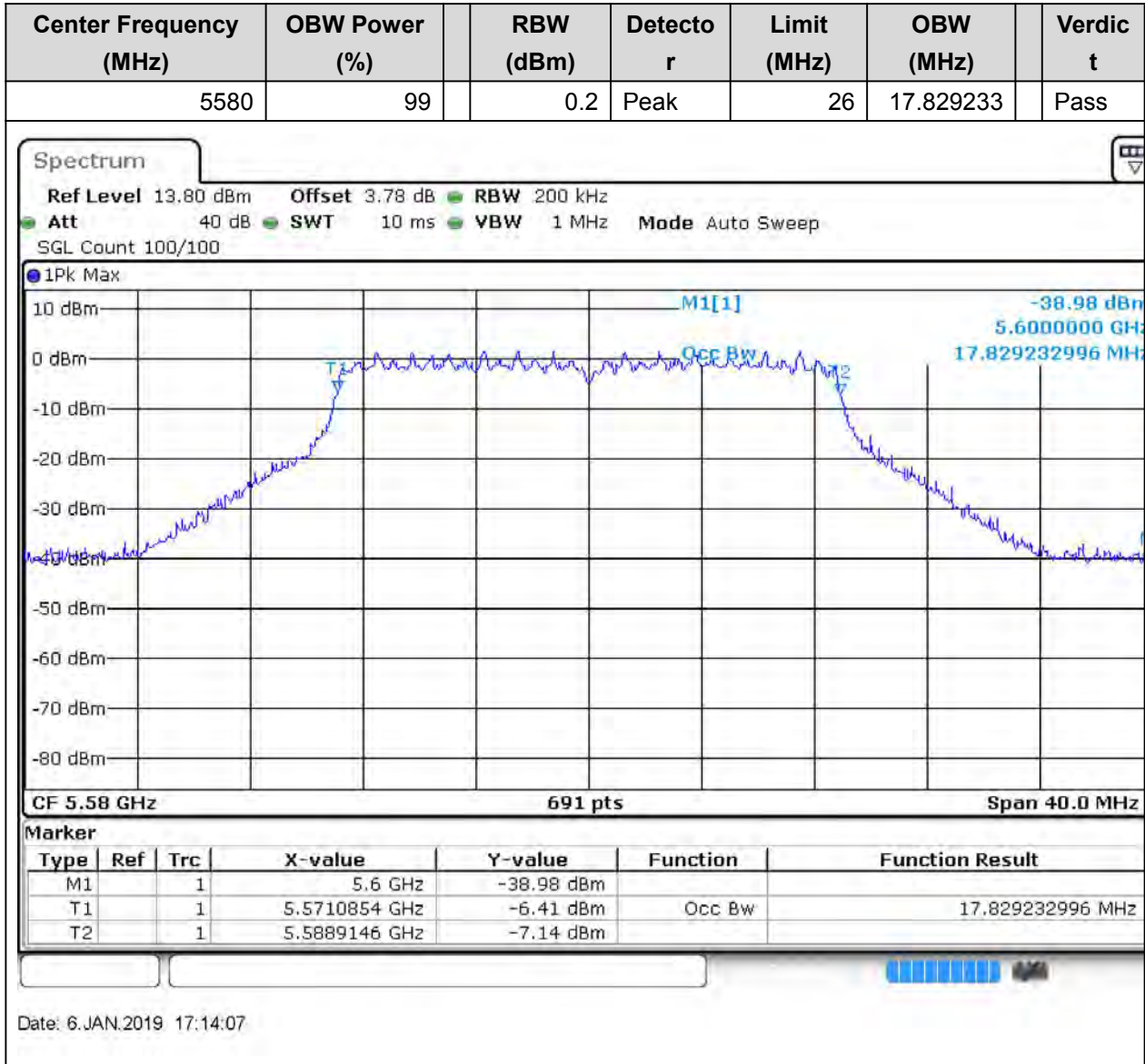
## 2. 802.11n\_20M\_Band2\_M

### 2.1. A.2.2-99% Bandwidth(NTNV)



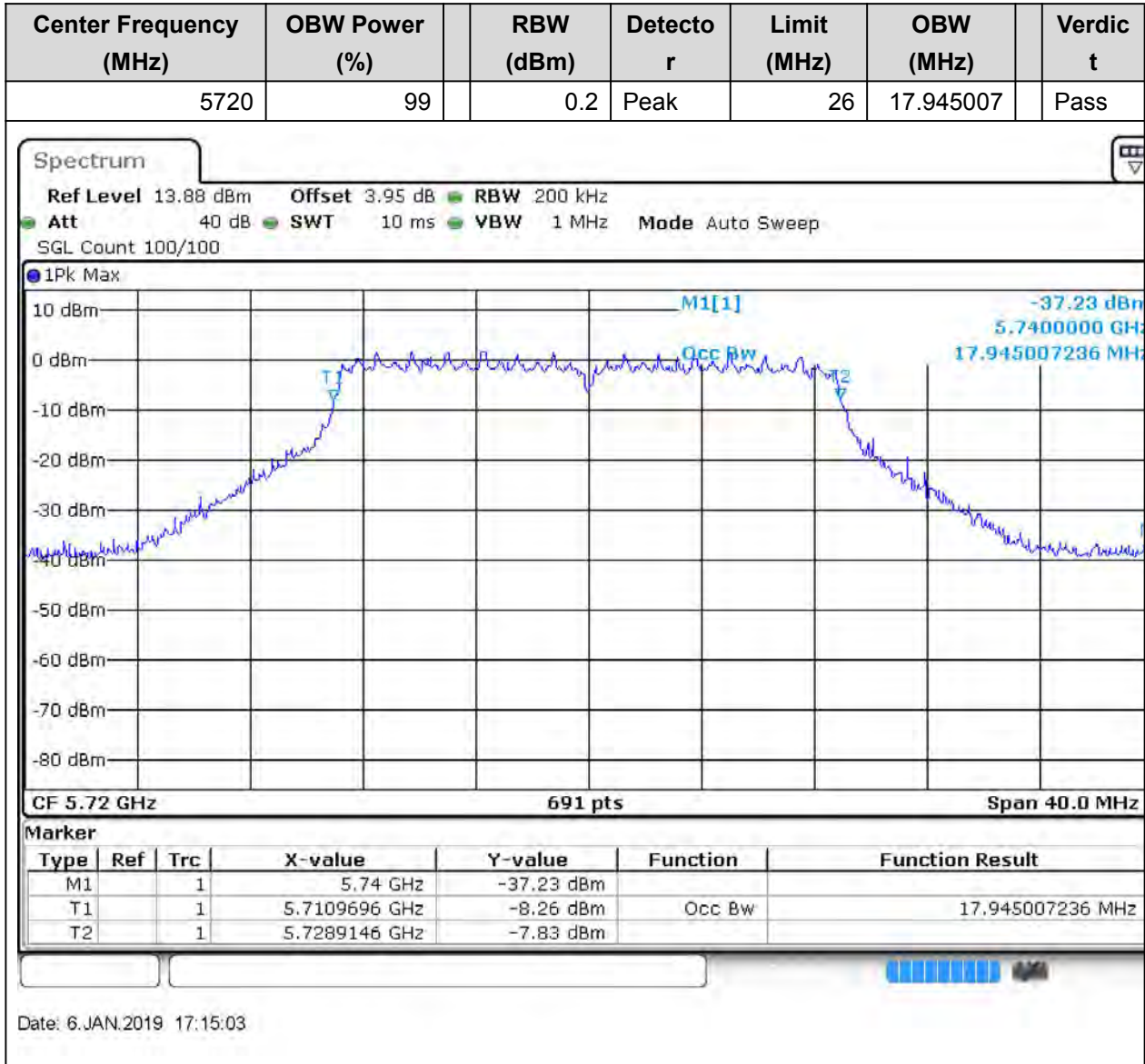
### 3. 802.11n\_20M\_Band3\_M

#### 3.1. A.2.2-99% Bandwidth(NTNV)



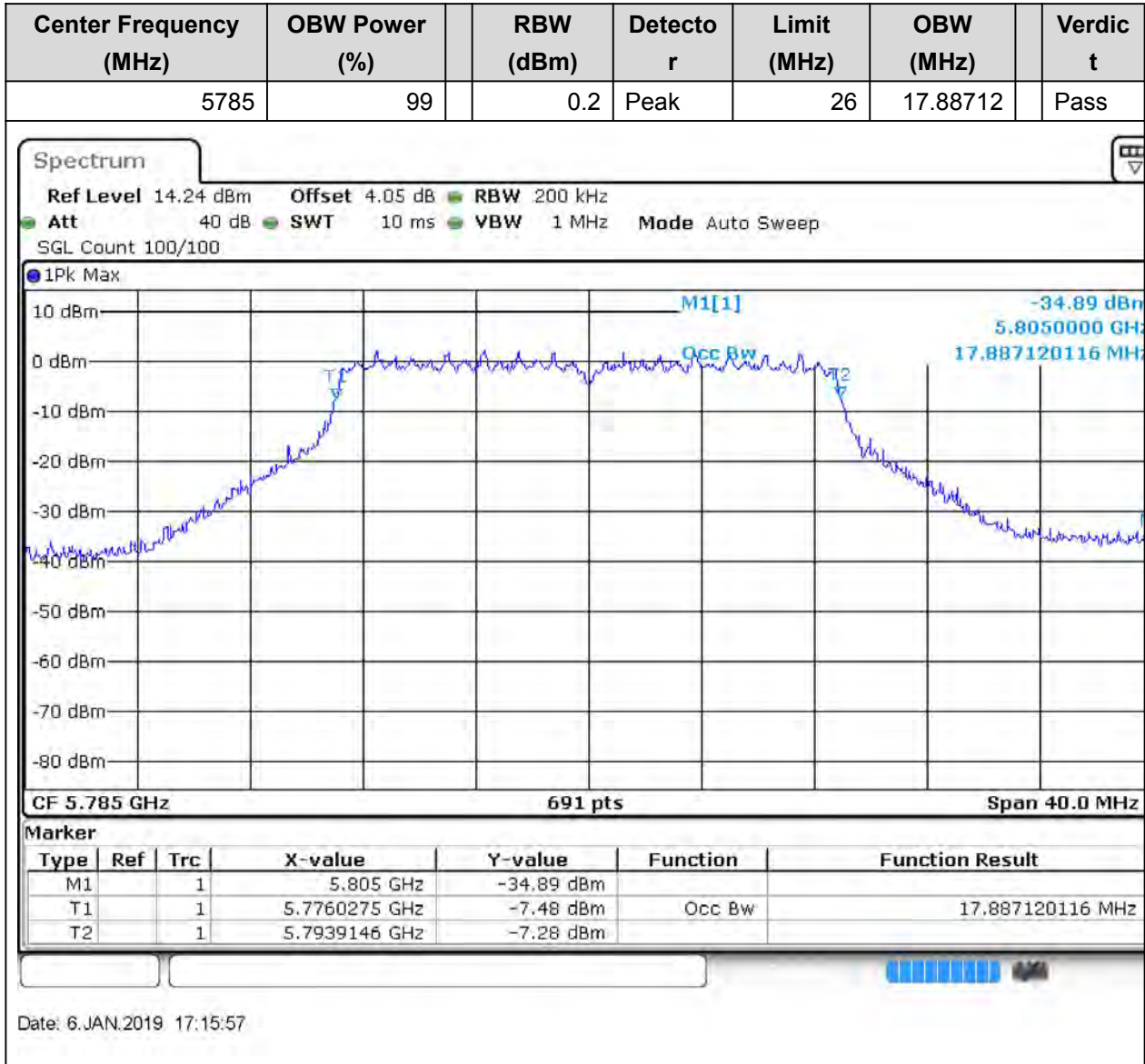
## 4. 802.11n\_20M\_Band3\_CH144

### 4.1. A.2.2-99% Bandwidth(NTNV)



## 5. 802.11n\_20M\_Band4\_M

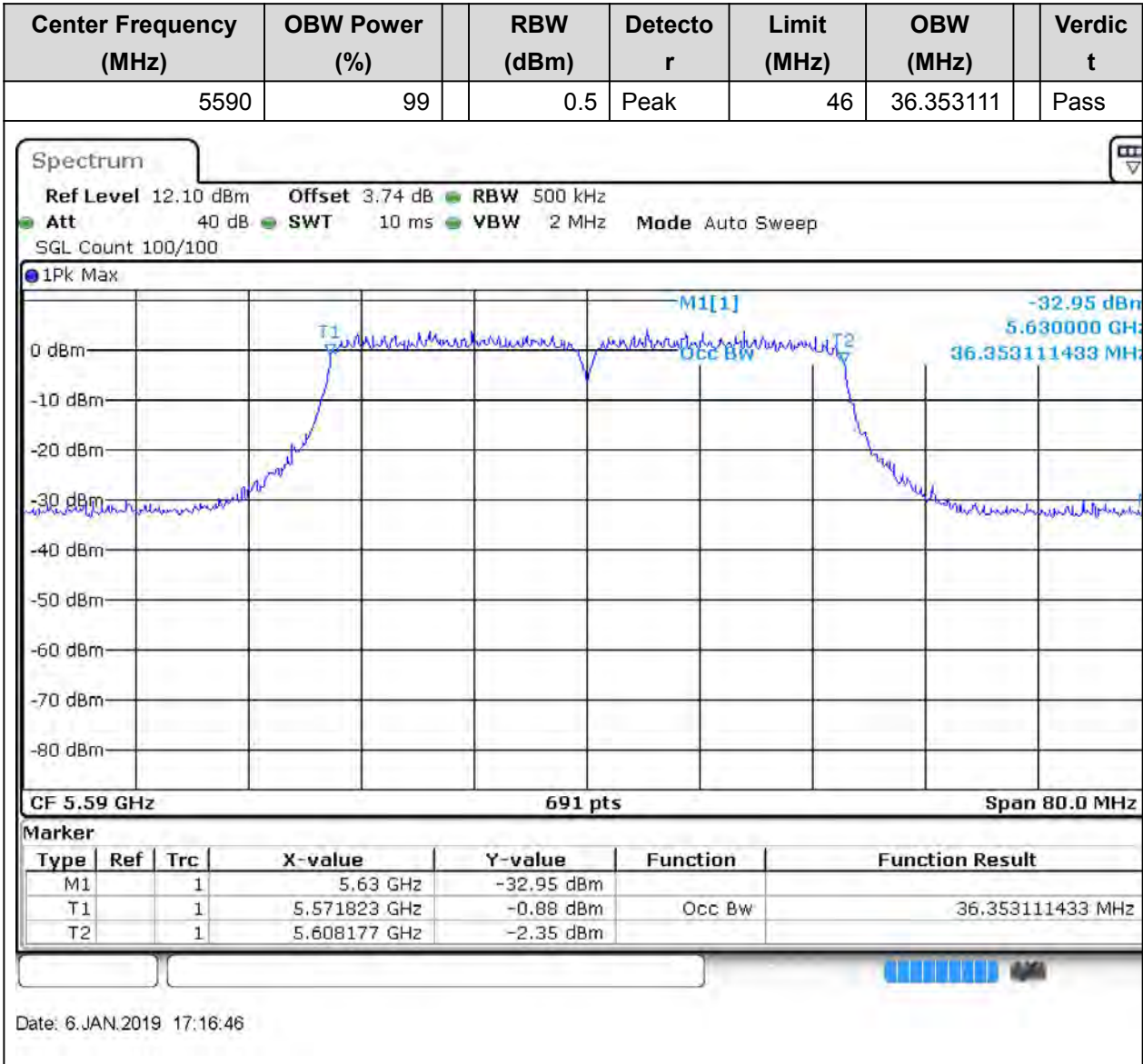
### 5.1. A.2.2-99% Bandwidth(NTNV)





## 6. 802.11n\_40M\_Band3\_M

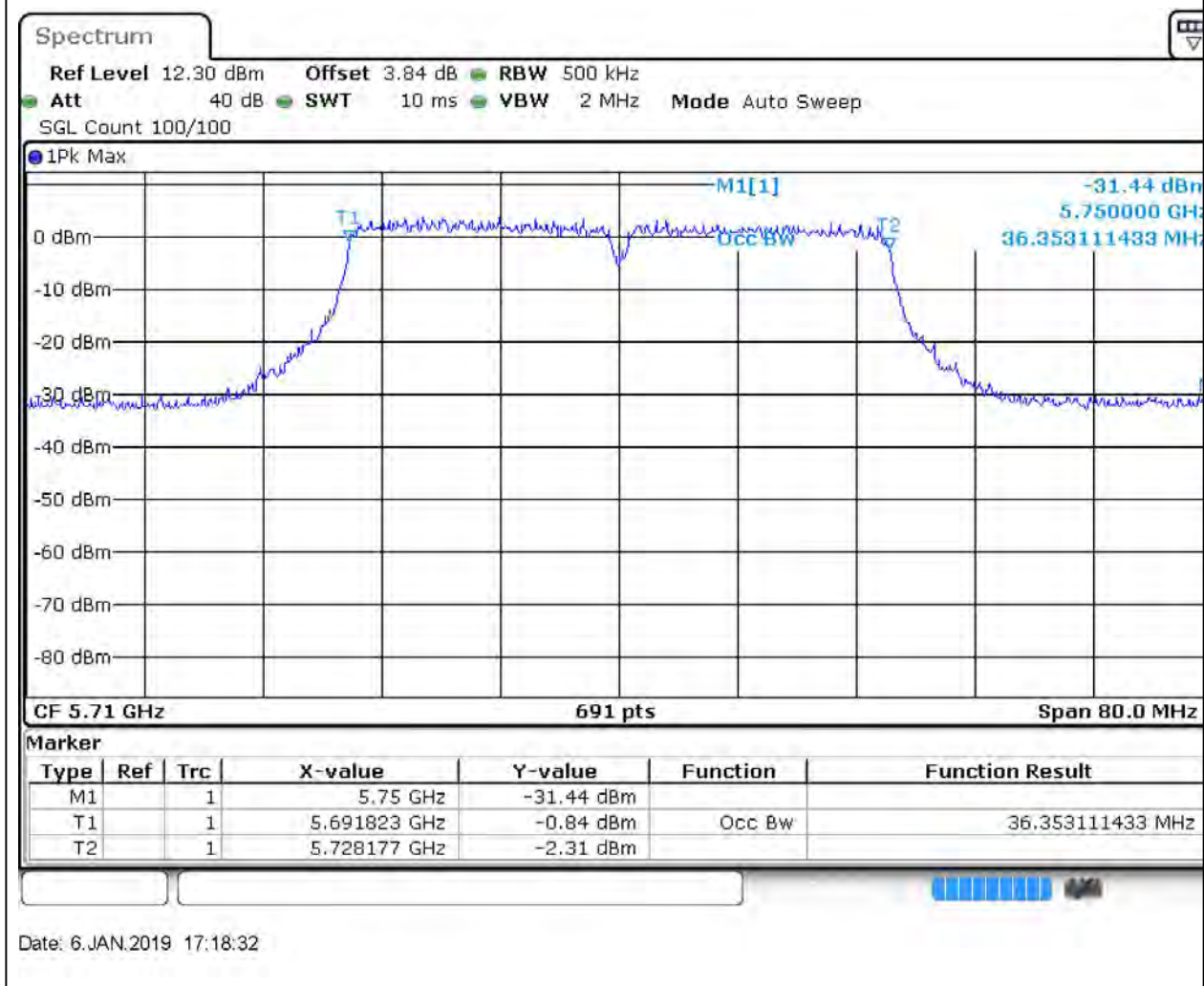
### 6.1. A.2.2-99% Bandwidth(NTNV)



## 7. 802.11n\_40M\_Band3\_142

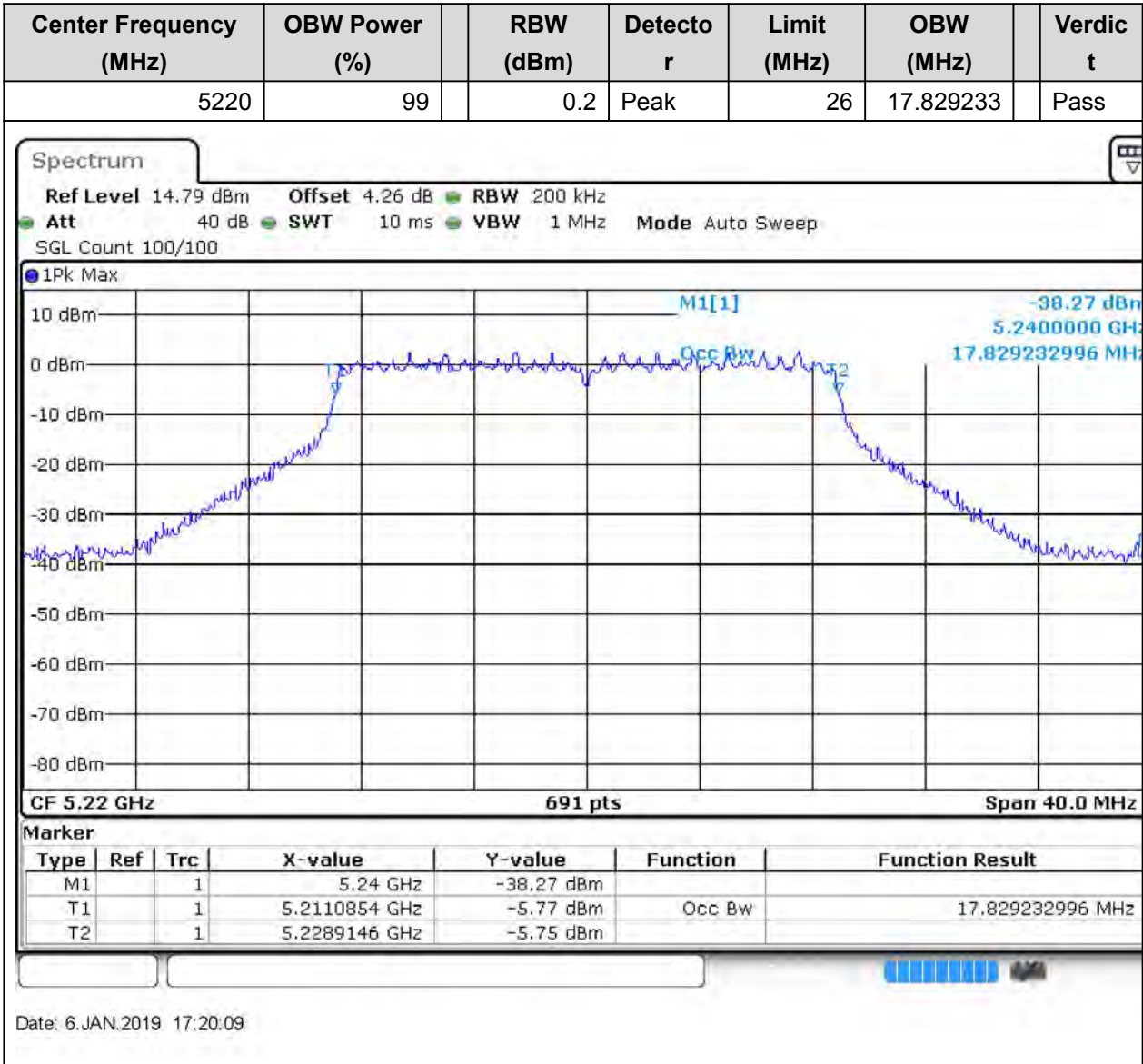
### 7.1. A.2.2-99% Bandwidth(NTNV)

Center Frequency (MHz)	OBW Power (%)	RBW (dBm)	Detector	Limit (MHz)	OBW (MHz)	Verdict
5710	99	0.5	Peak	46	36.353111	Pass



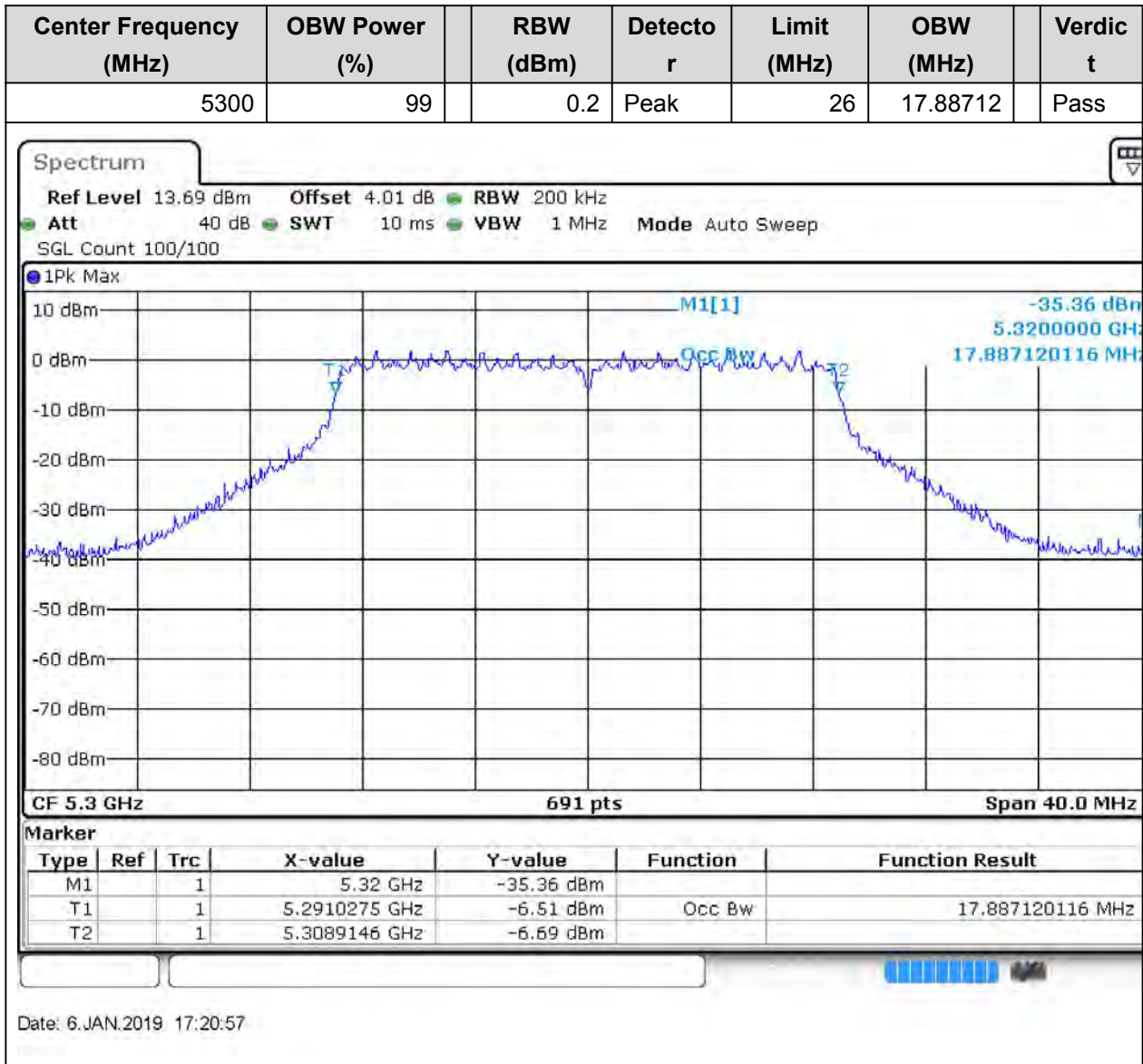
## 8. 802.11ac\_20M\_Band1\_M

### 8.1. A.2.2-99% Bandwidth(NTNV)



## 9. 802.11ac\_20M\_Band2\_M

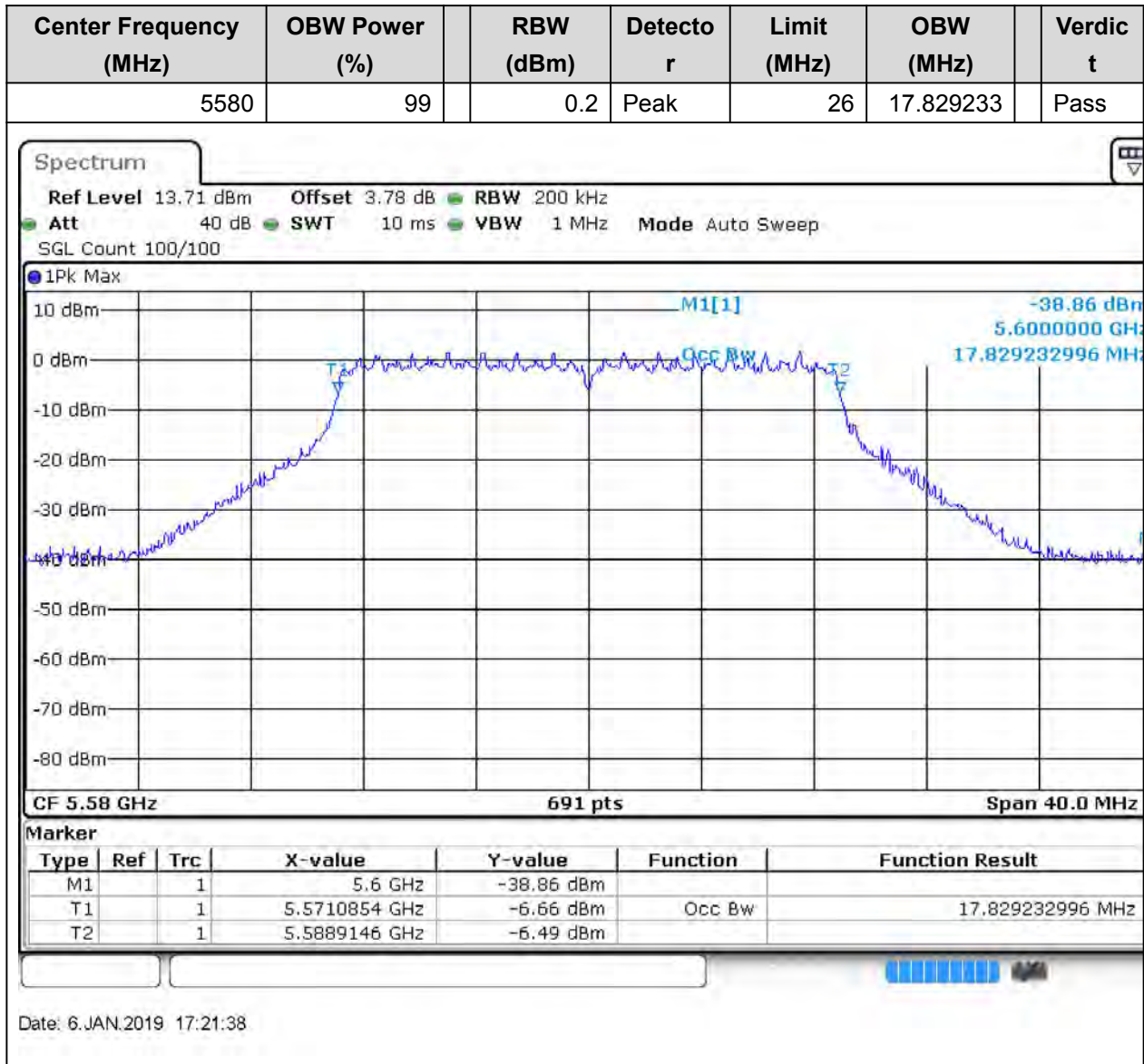
### 9.1. A.2.2-99% Bandwidth(NTNV)





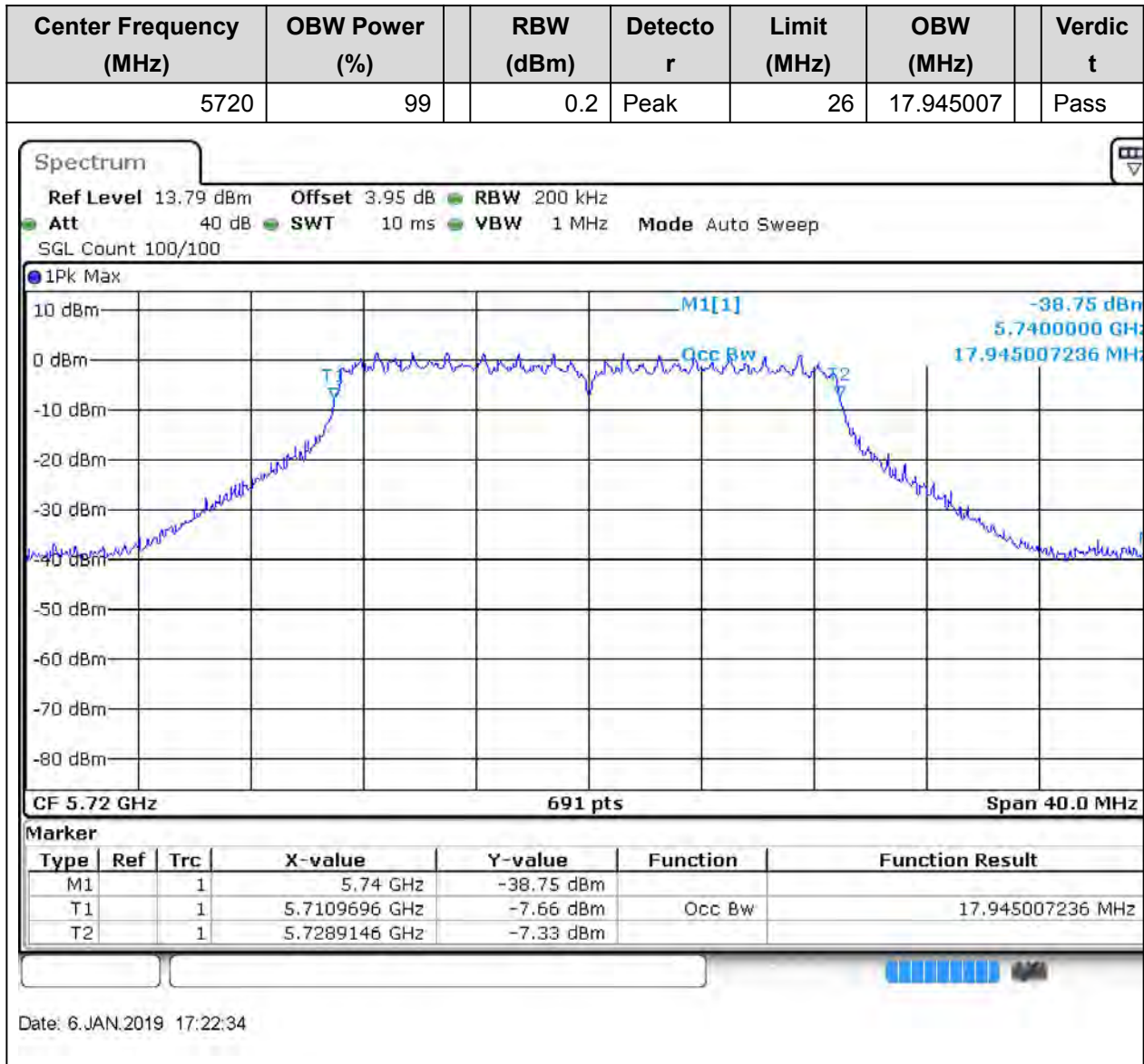
## 10. 802.11ac\_20M\_Band3\_M

### 10.1. A.2.2-99% Bandwidth(NTNV)



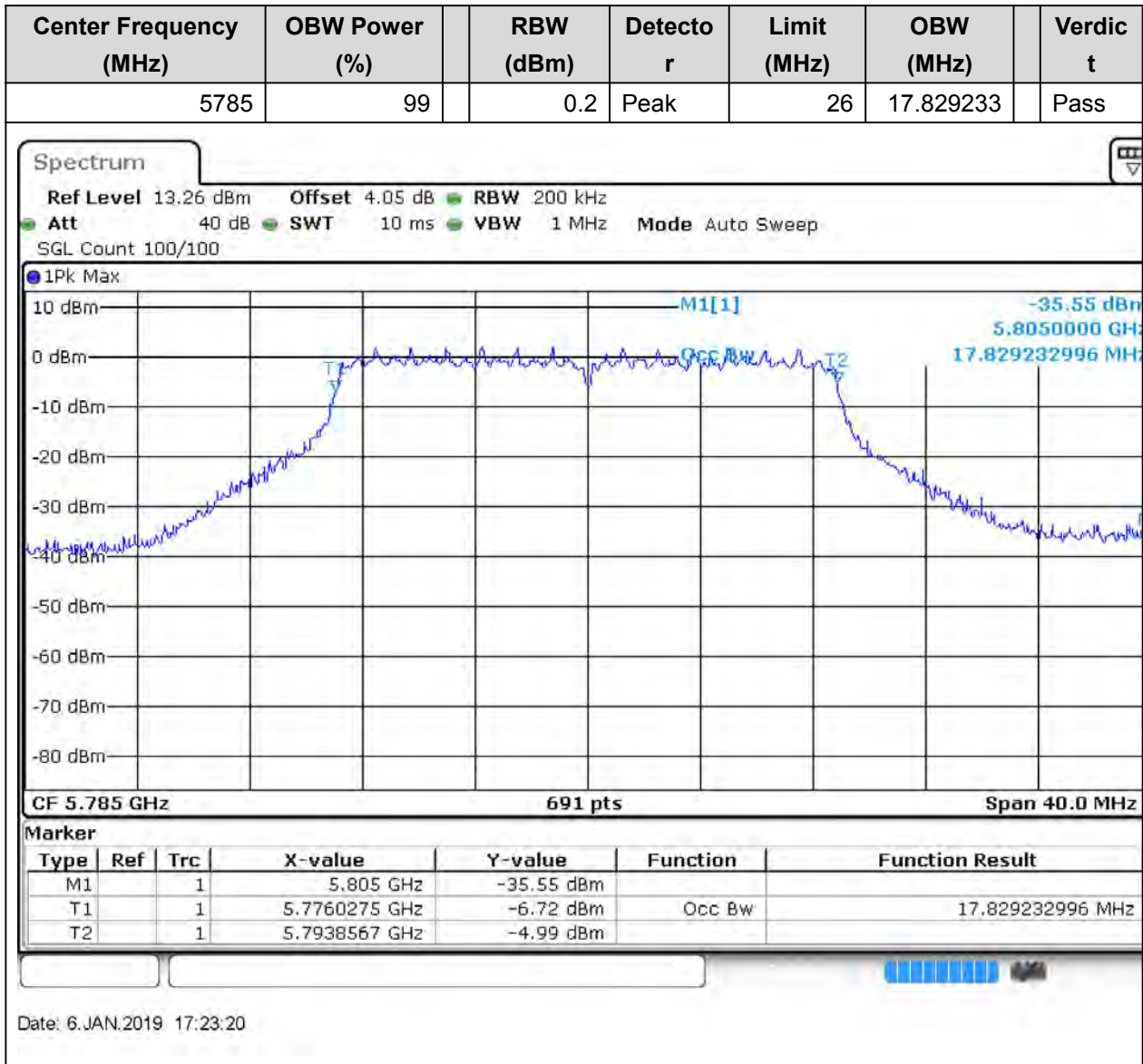
## 11. 802.11ac\_20M\_Band3\_CH144

### 11.1. A.2.2-99% Bandwidth(NTNV)



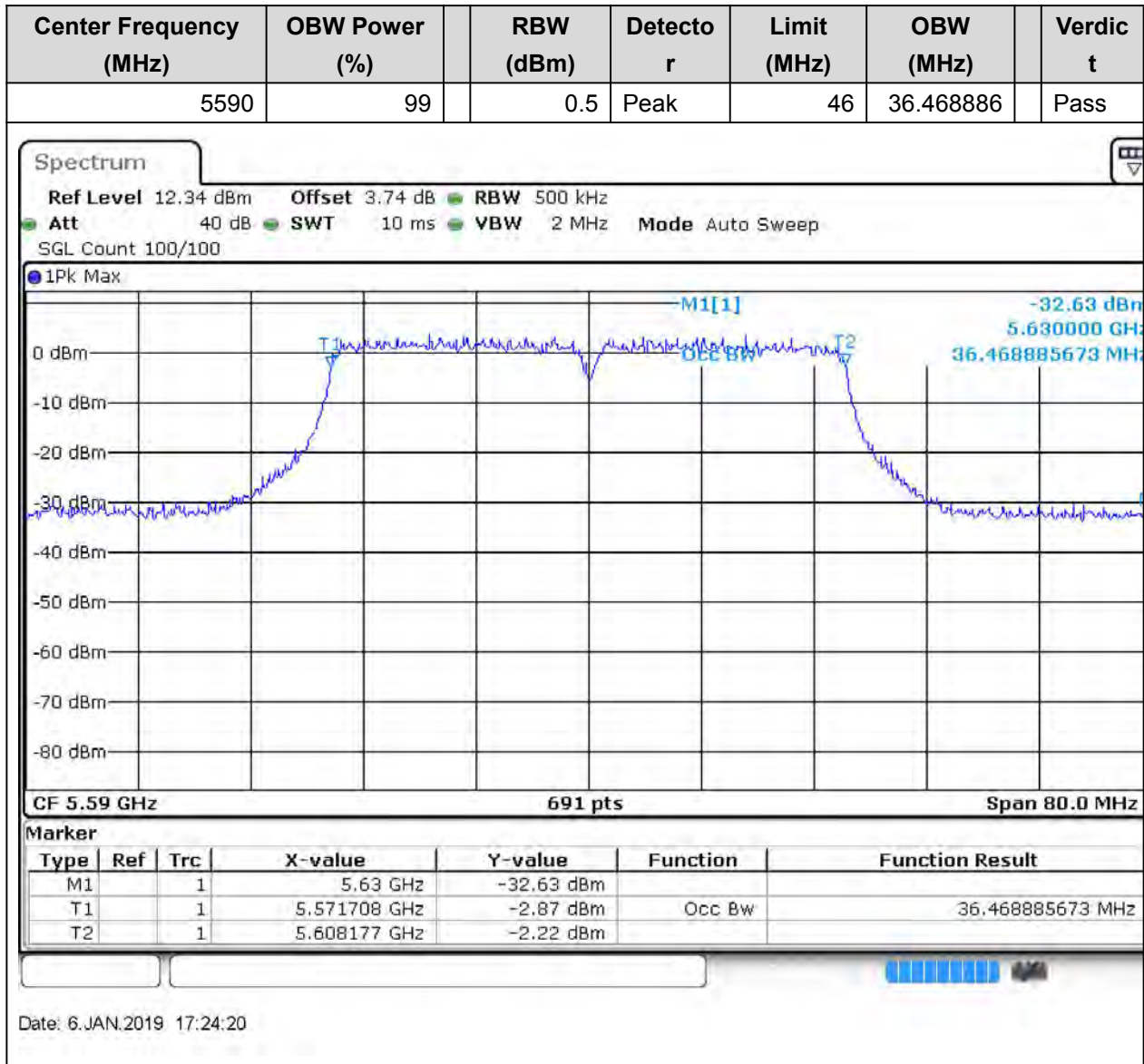
## 12. 802.11ac\_20M\_Band4\_M

### 12.1. A.2.2-99% Bandwidth(NTNV)



### 13. 802.11ac\_40M\_Band3\_M

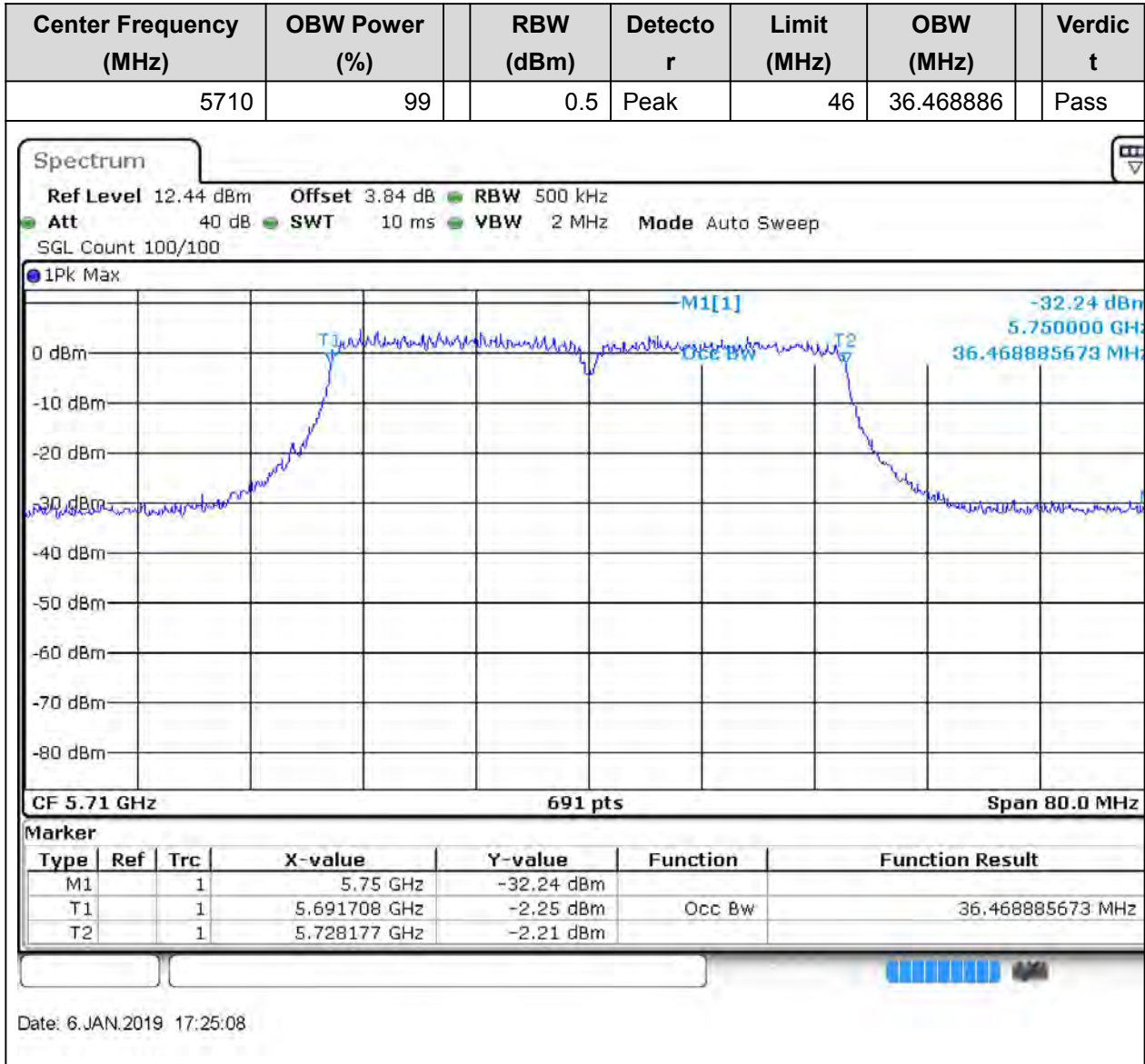
#### 13.1. A.2.2-99% Bandwidth(NTNV)





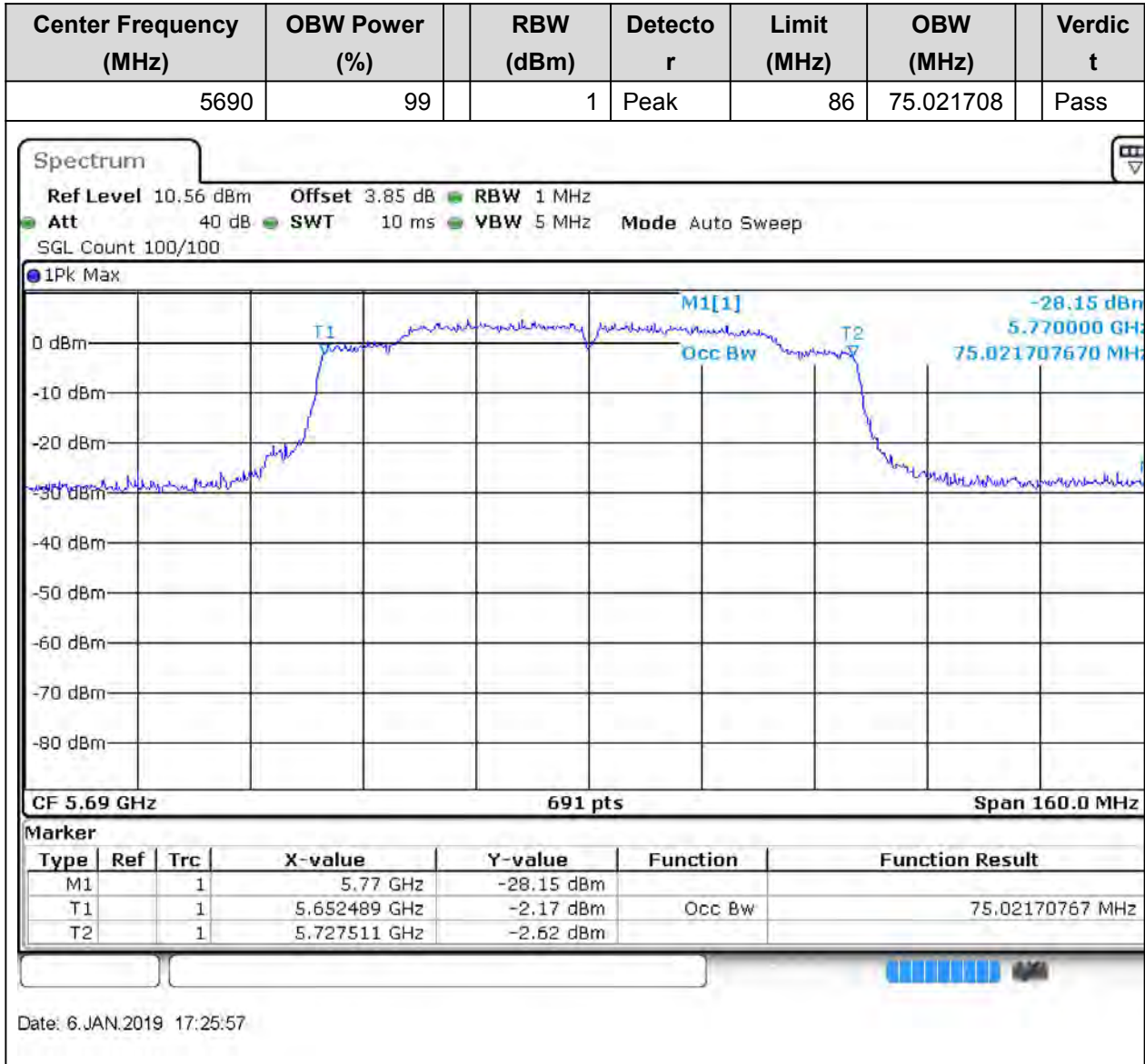
## 14. 802.11ac\_40M\_Band3\_CH142

### 14.1. A.2.2-99% Bandwidth(NTNV)



# 15. 802.11ac\_80M\_Band3\_H

## 15.1. A.2.2-99% Bandwidth(NTNV)



END