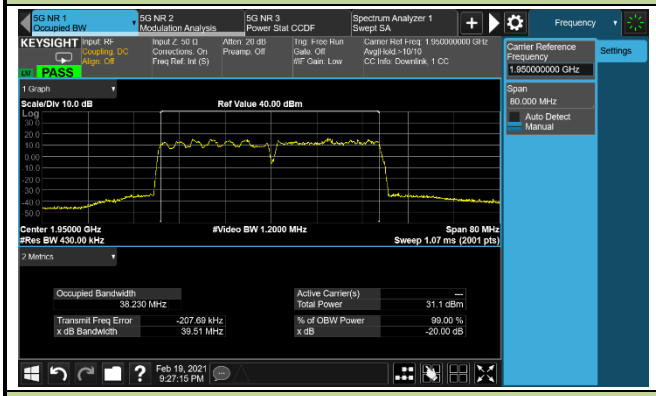
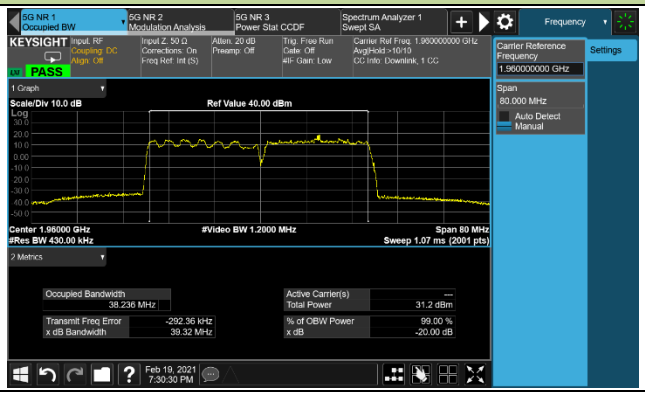
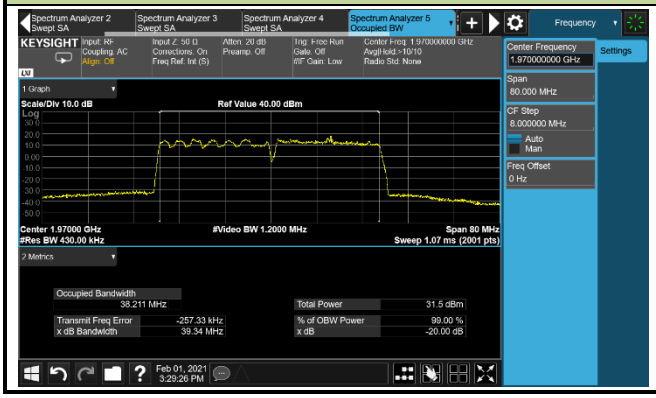
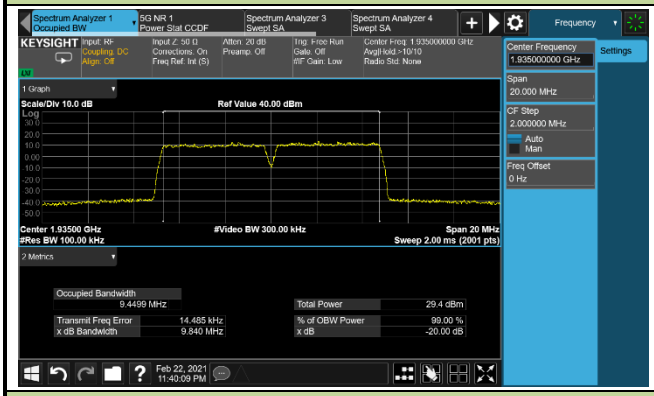
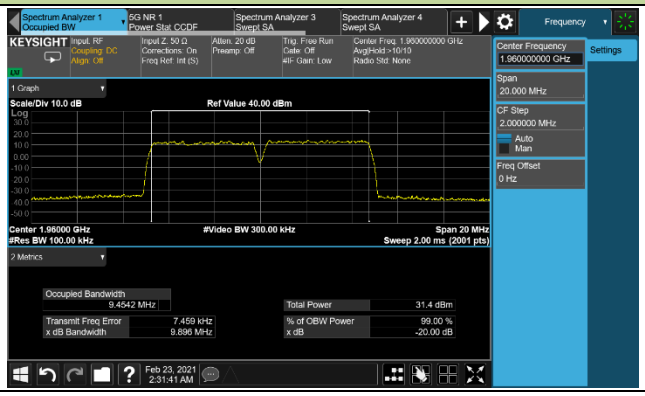
20+20MHz Channel Bandwidth - 16QAM	
1940.0+1960.0 MHz	1950.0+1970.0 MHz
	
1960.0+1980.0 MHz	
	

5+5MHz Channel Bandwidth - 64QAM

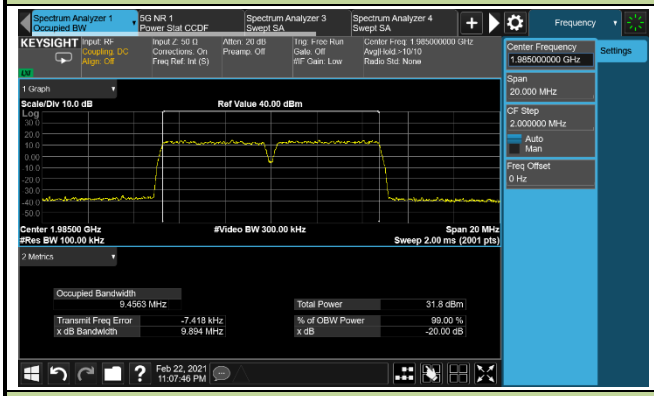
1932.5+1937.5 MHz



1957.5+1962.5 MHz

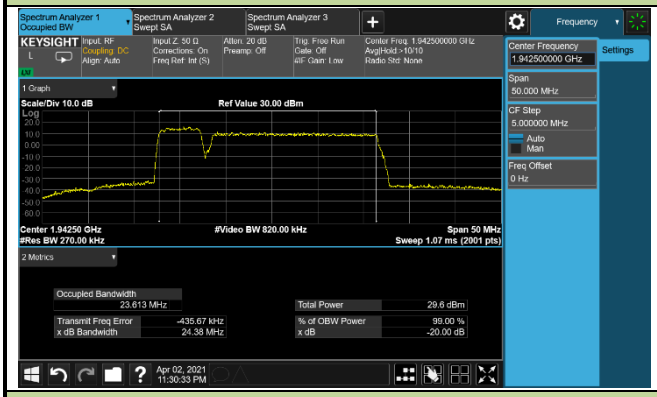


1982.5+1987.5 MHz

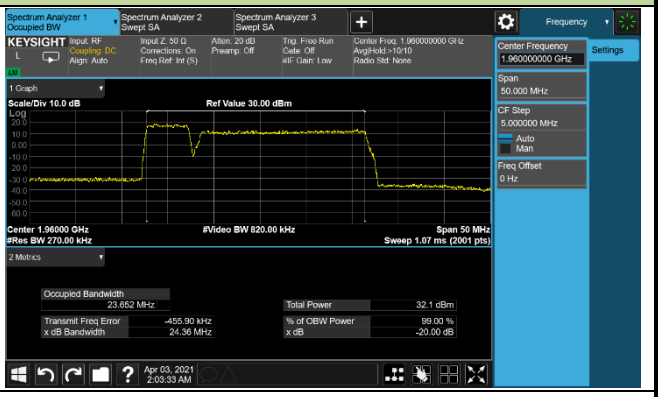


5+20MHz Channel Bandwidth - 64QAM

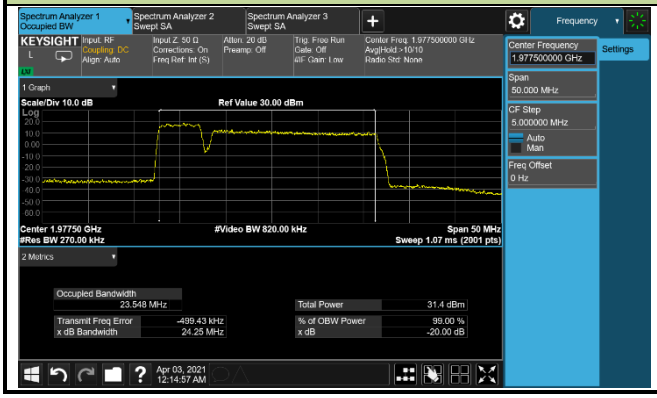
1932.5+1945.0 MHz

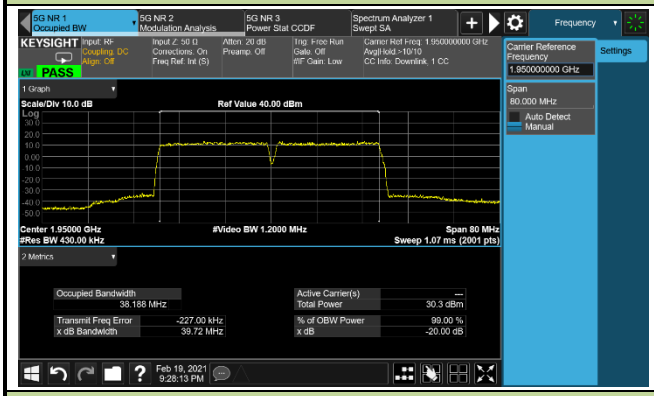
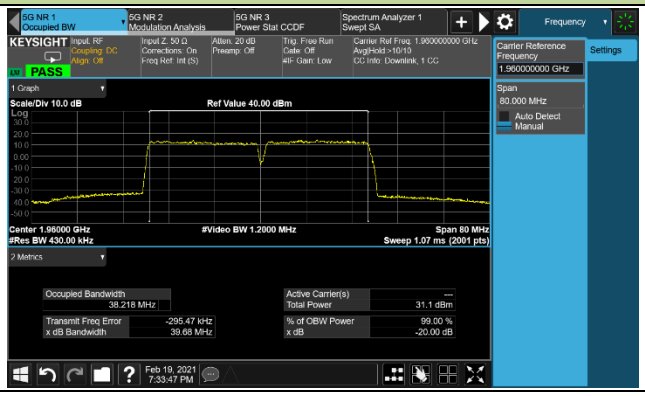
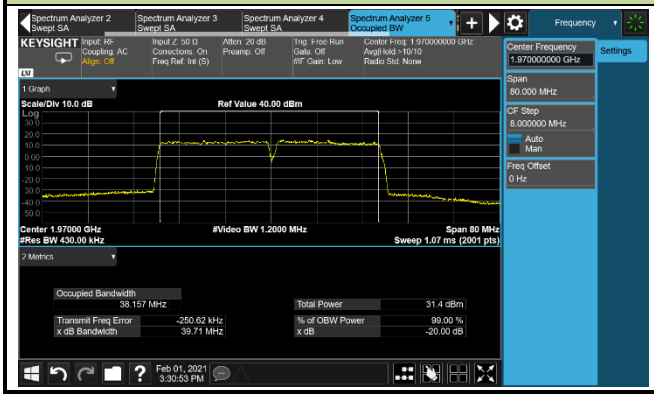


1950.0+1962.5 MHz



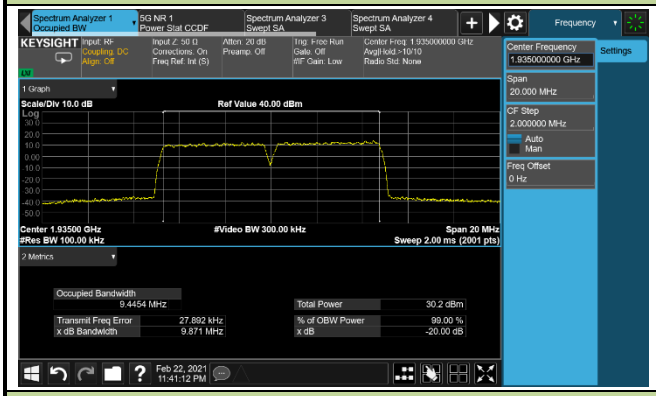
1967.5+1980.0 MHz



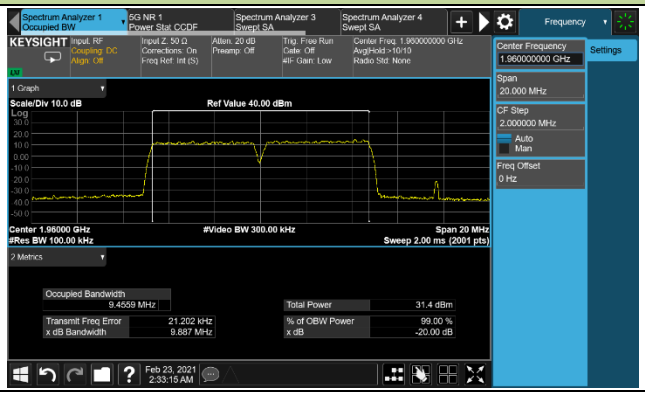
20+20MHz Channel Bandwidth - 64QAM	
1940.0+1960.0 MHz	1950.0+1970.0 MHz
	
1960.0+1980.0 MHz	
	

5+5MHz Channel Bandwidth - 256QAM

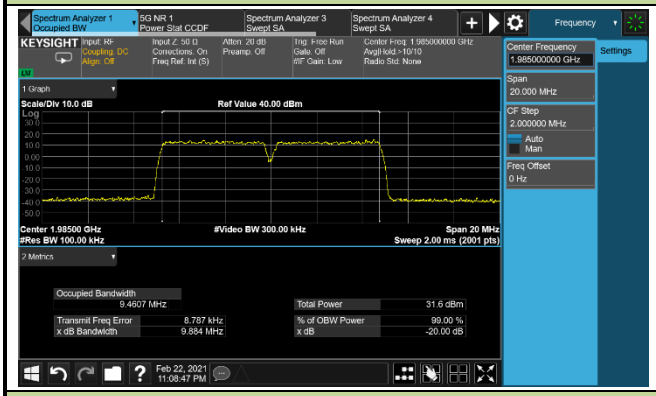
1932.5+1937.5 MHz



1957.5+1962.5 MHz

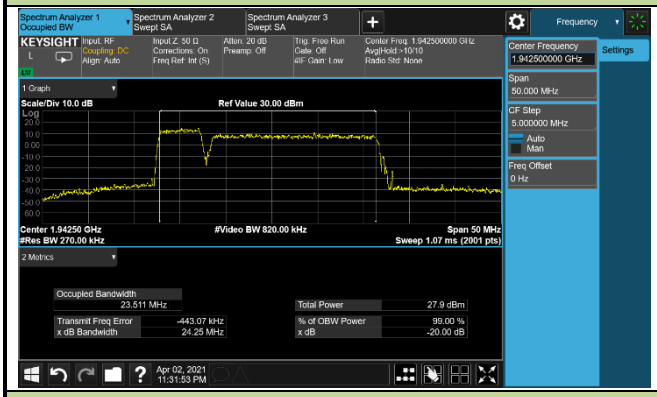


1982.5+1987.5 MHz

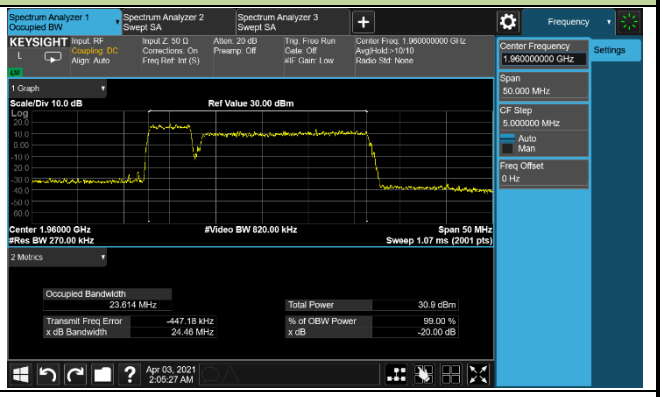


5+20 MHz Channel Bandwidth - 256QAM

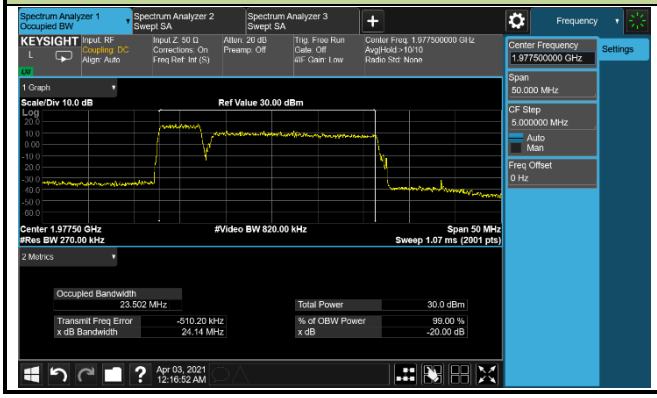
1932.5+1945.0 MHz

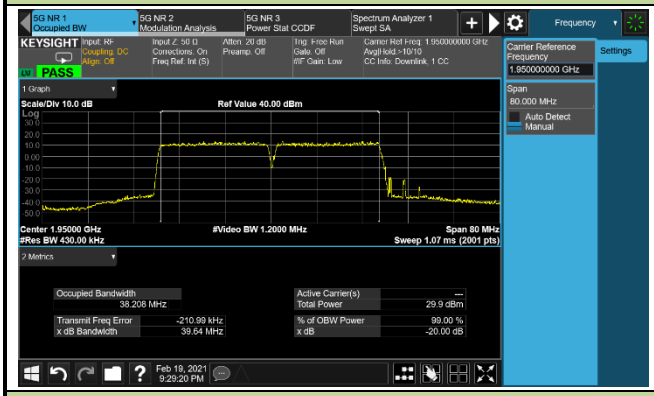
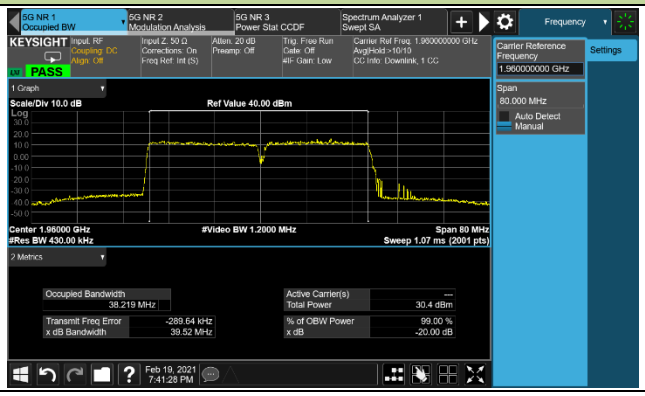
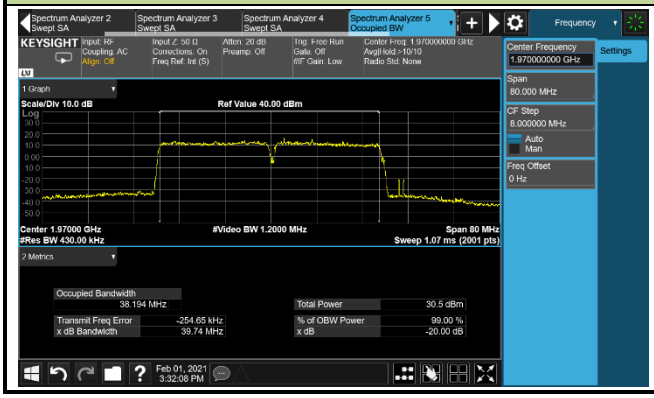


1950.0+1962.5 MHz



1967.5+1980.0 MHz



20+20MHz Channel Bandwidth - 256QAM	
1940.0+1960.0 MHz	1950.0+1970.0 MHz
	
1960.0+1980.0 MHz	
	

5.4. Band Edge Measurement

5.4.1.Test Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

This device can be impelement MIMO function, so the limit of spurious emissions needs to be reduced by 10*log($Numbers_{Ant}$) according to FCC KDB 662911 D01 guidance.

The limit is adjusted to -13 dBm - 10*log (2) = -16.01dBm

5.4.2.Test Procedure Used

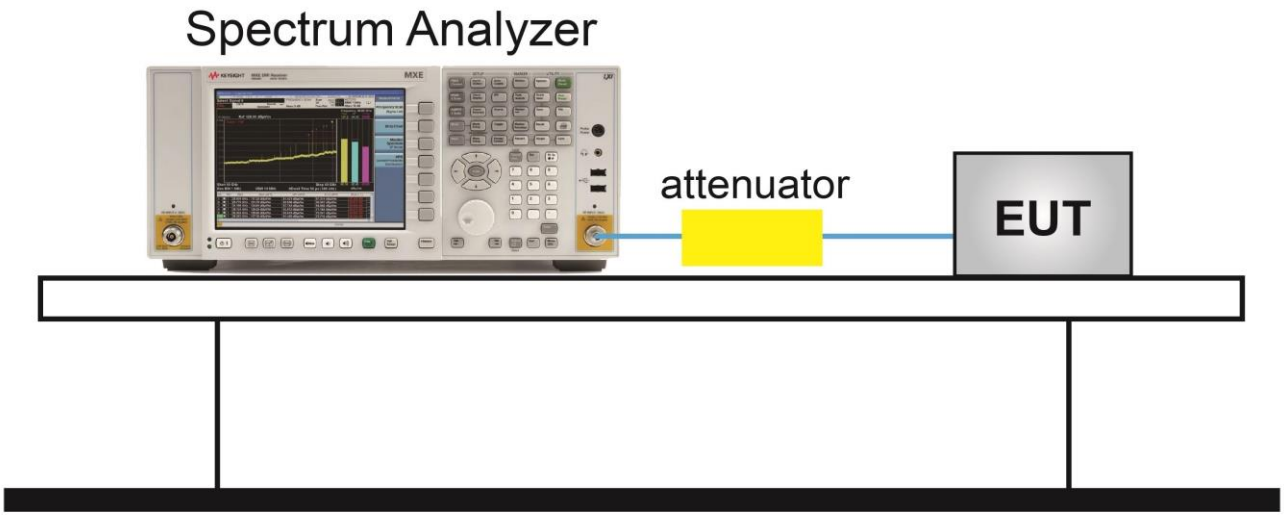
KDB 971168 D01v03r01 - Section 6.1

ANSI C63.26-2015 - Section 5.7.1

5.4.3.Test Setting

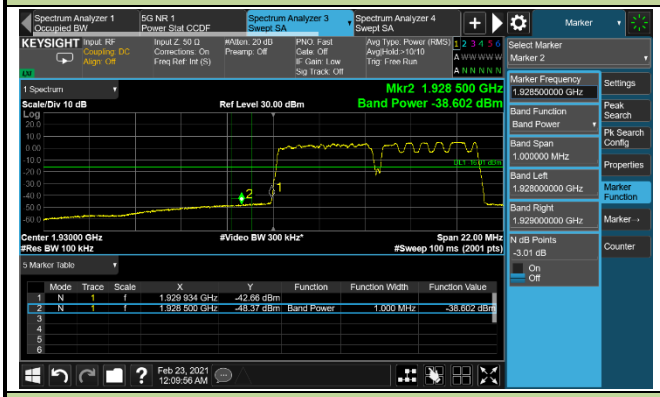
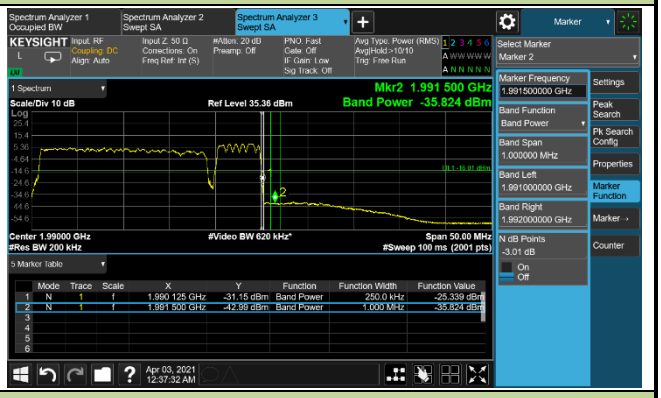
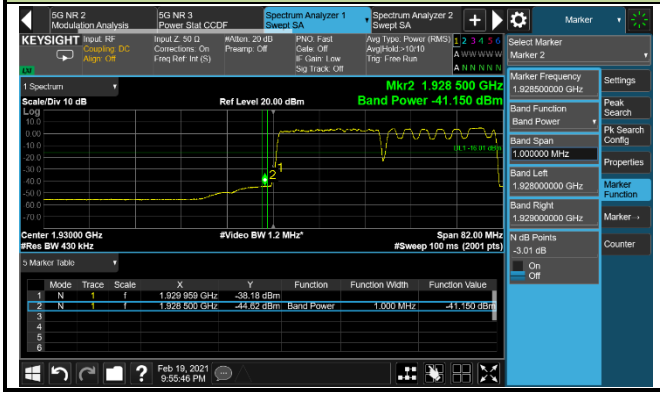
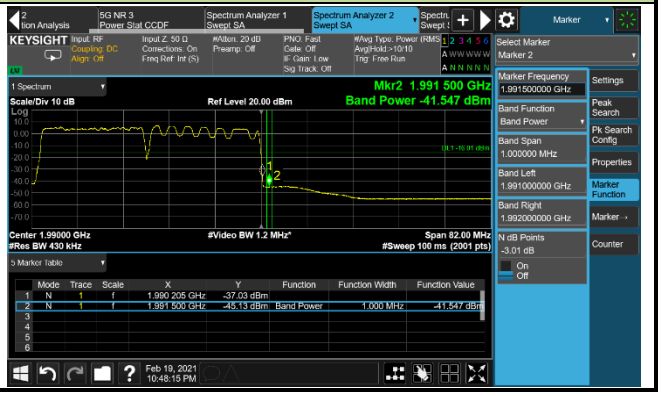
1. Set the analyzer frequency to low or high channel.
1. RBW = The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW
2. VBW ≥ 3*RBW
3. Sweep time = auto
4. Detector = power averaging (rms)
5. Set sweep trigger to “free run”
6. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

5.4.4.Test Setup



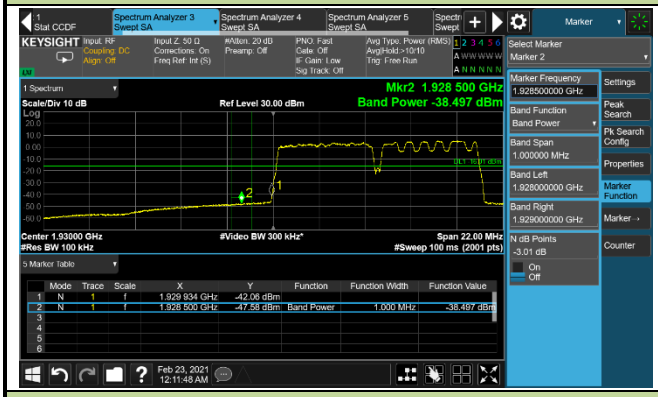
5.4.5.Test Result

Product	AirScale Indoor Radio ASiR-pRRH	Test Engineer	Peter Xu
Test Site	SR2	Test Date	2021/02/01 ~ 2021/04/06
Test Configuration	Band 2 Concurrent Mode - LTE + NR		

5+5MHz Channel Bandwidth - Ant 0	
1932.5+1937.5 MHz	1982.5+1987.5 MHz
	
20+5MHz Channel Bandwidth - Ant 0	
1940.0+1952.5 MHz	1975.0+1987.5 MHz
	
20+20MHz Channel Bandwidth - Ant 0	
1940.0+1960.0 MHz	1960.0+1980.0 MHz
	

5+5MHz Channel Bandwidth - Ant 1

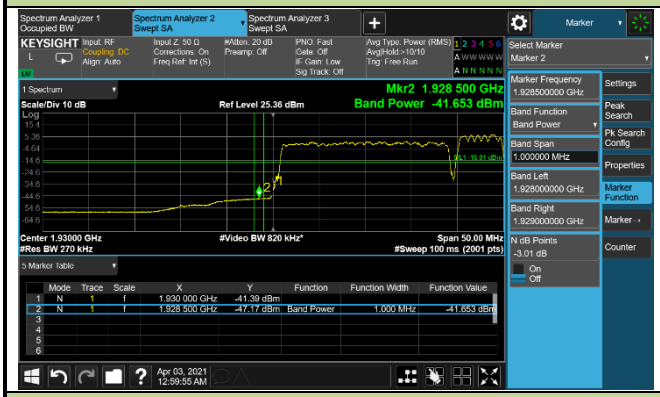
1932.5+1937.5 MHz



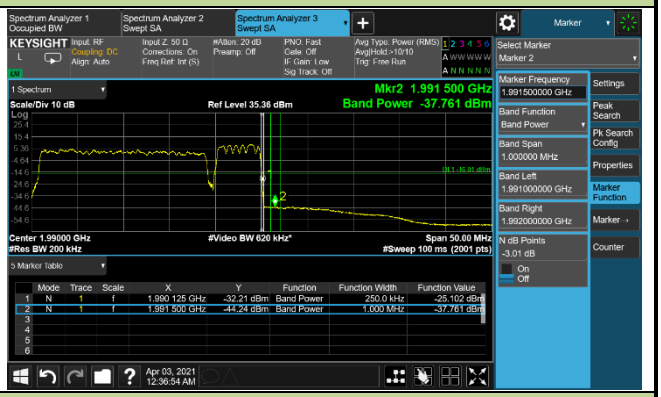
1982.5+1987.5 MHz

20+5MHz Channel Bandwidth - Ant 1

1940.0+1952.5 MHz

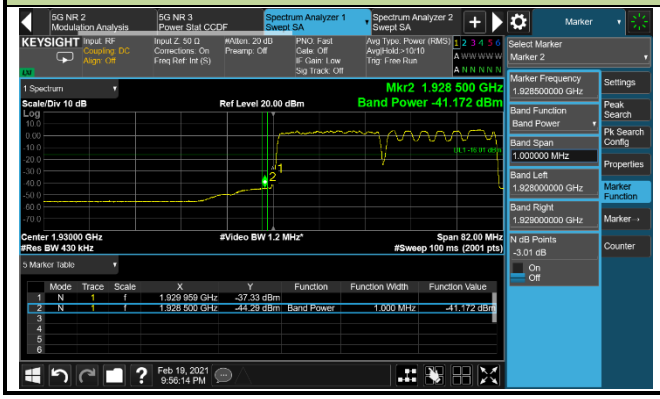


1975.0+1987.5 MHz

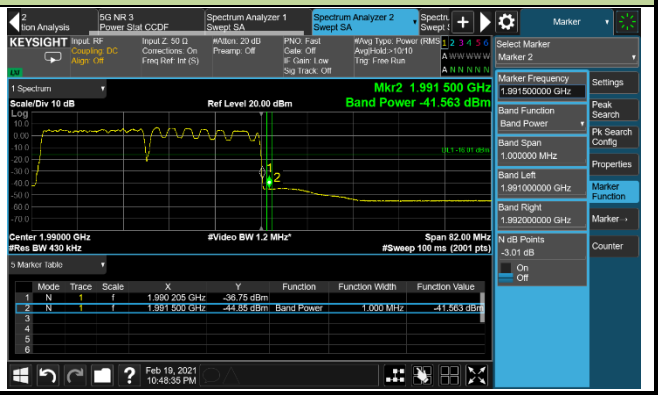


20+20MHz Channel Bandwidth - Ant 1

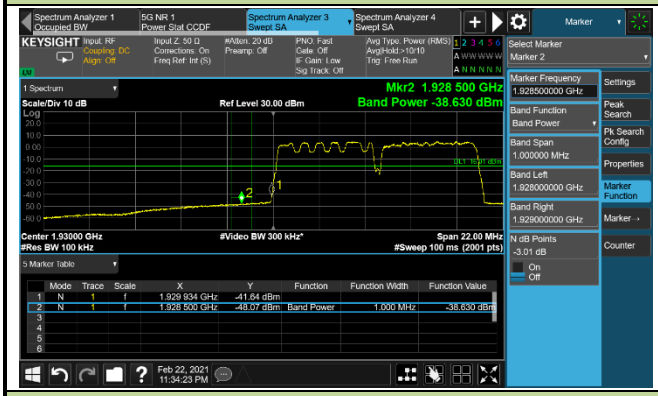
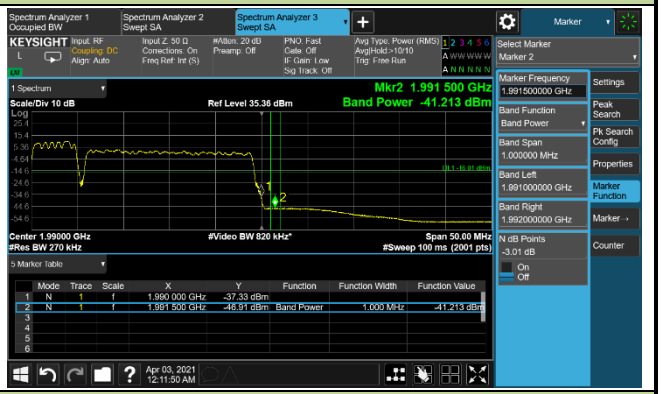
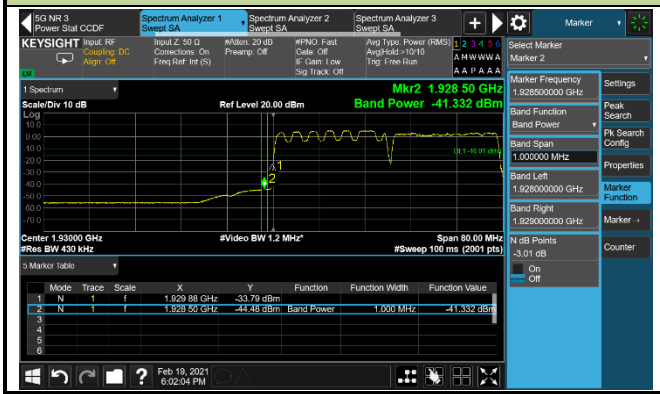
1940.0+1960.0 MHz

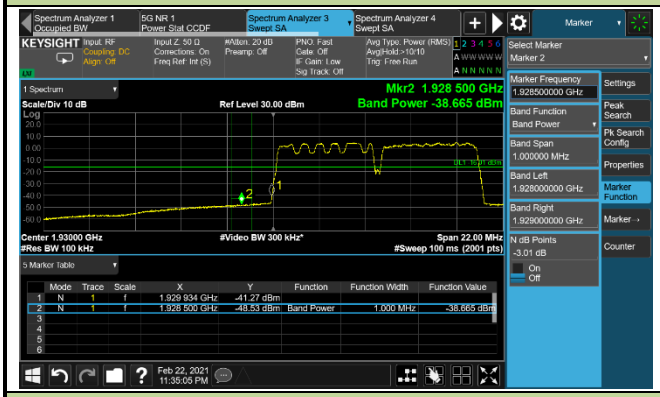
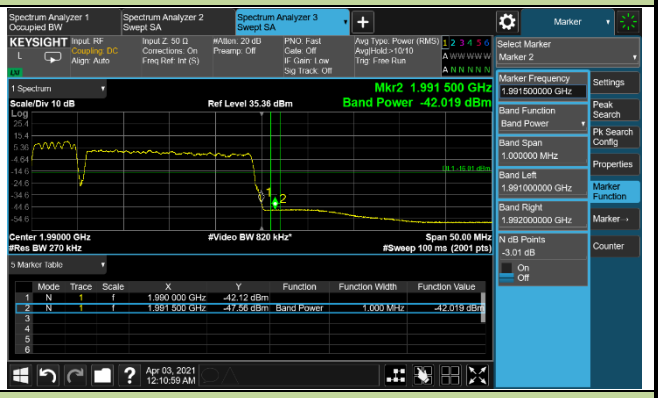
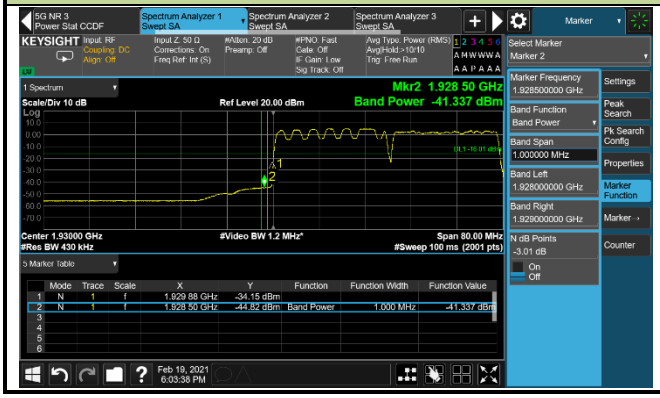
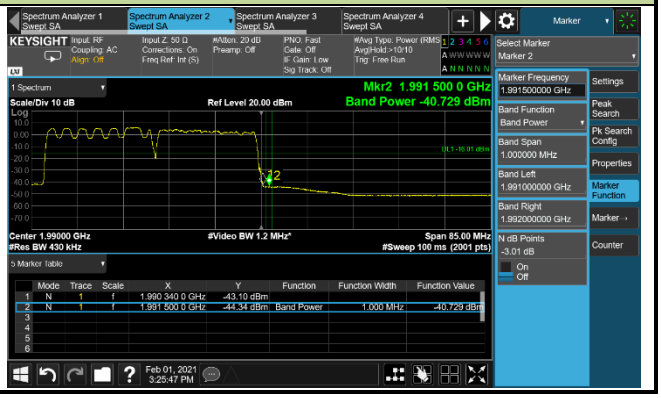


1960.0+1980.0 MHz



Product	AirScale Indoor Radio ASiR-pRRH	Test Engineer	Peter Xu
Test Site	SR2	Test Date	2021/02/01 ~ 2021/04/06
Test Configuration	Band 2 Concurrent Mode - NR + LTE		

5+5MHz Channel Bandwidth - Ant 0	
1932.5+1937.5 MHz	1982.5+1987.5 MHz
	
5+20MHz Channel Bandwidth - Ant 0	
1932.5+1945.0 MHz	1967.5+1980.0 MHz
	
20+20MHz Channel Bandwidth - Ant 0	
1940.0+1960.0 MHz	1960.0+1980.0 MHz
	

5+5MHz Channel Bandwidth - Ant 1	
1932.5+1937.5 MHz	1982.5+1987.5 MHz
	
5+20MHz Channel Bandwidth - Ant 1	
1932.5+1945.0 MHz	1967.5+1980.0 MHz
	
20+20MHz Channel Bandwidth - Ant 1	
1940.0+1960.0 MHz	1960.0+1980.0 MHz
	

6. CONCLUSION

The data collected relate only the item(s) tested and show that the **AirScale Indoor Radio ASiR-pRRH** is compliance with FCC Rules.

The End