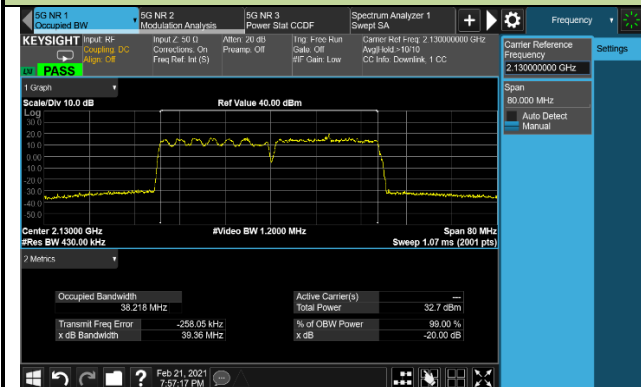
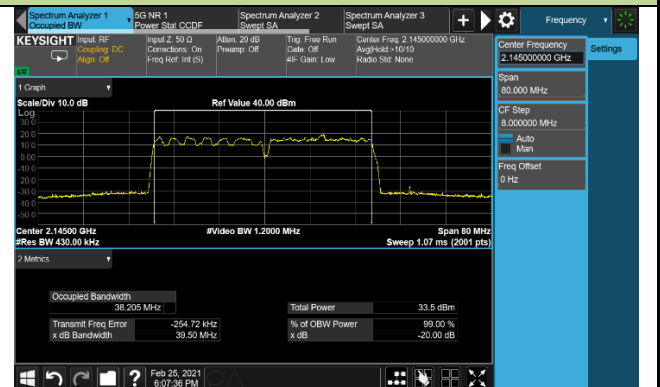


20+20MHz Channel Bandwidth - 16QAM

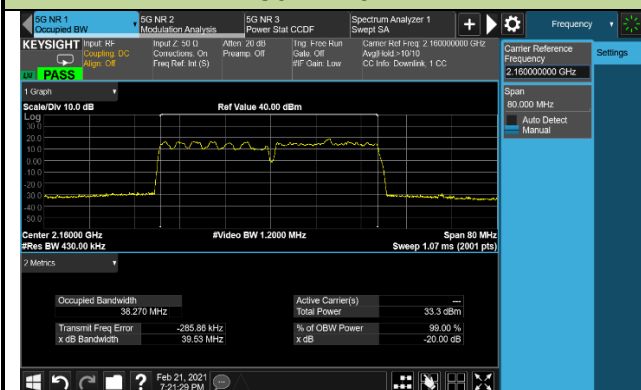
2120+2140 MHz



2135+2155 MHz

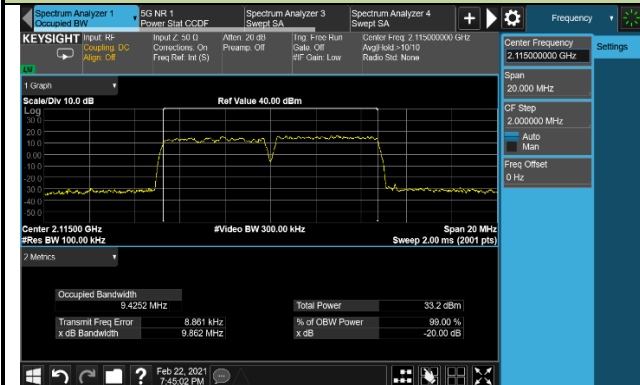


2150+2170 MHz



5+5MHz Channel Bandwidth - 64QAM

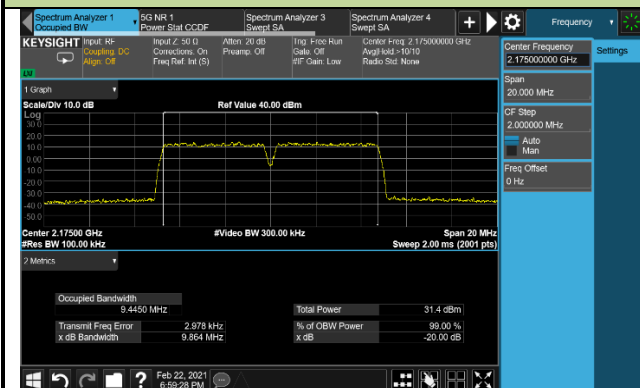
2112.5+2117.5 MHz



2142.5+2147.5 MHz

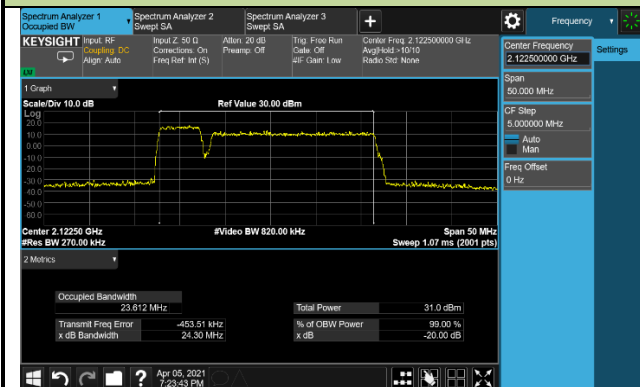


2172.5+2177.5 MHz

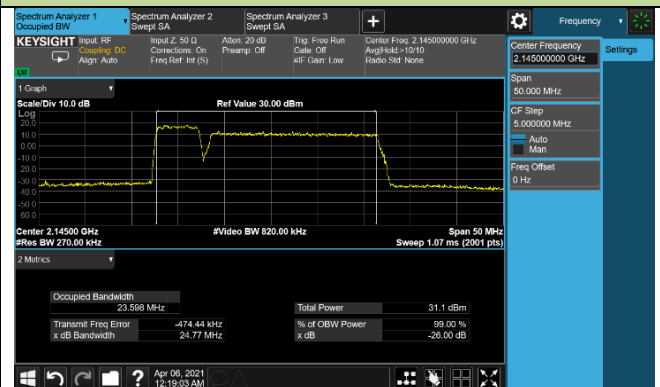


5+20MHz Channel Bandwidth -64QAM

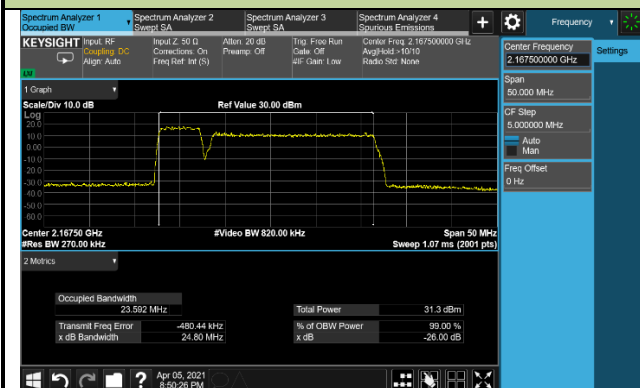
2112.5+2125.0 MHz



2135.0+2147.5 MHz

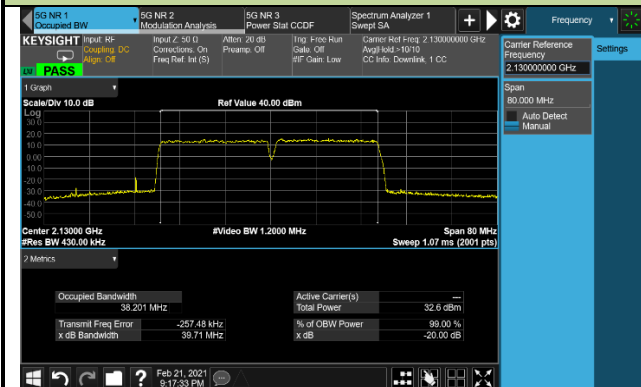


2157.5+2170.0 MHz

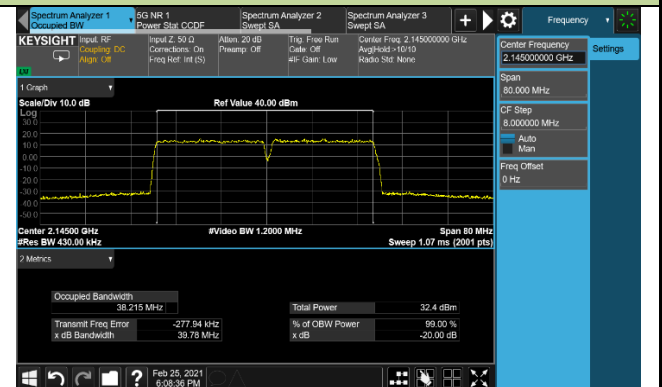


20+20MHz Channel Bandwidth - 64QAM

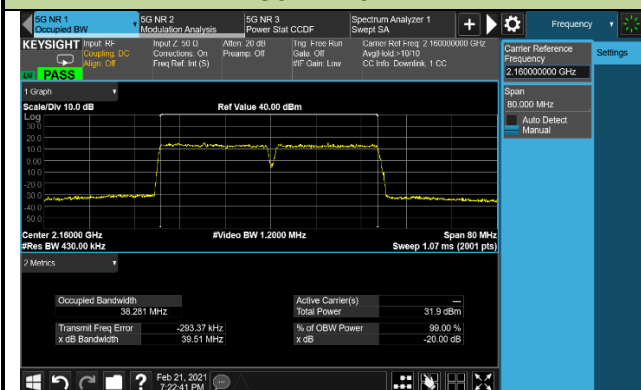
2120+2140 MHz



2135+2155 MHz

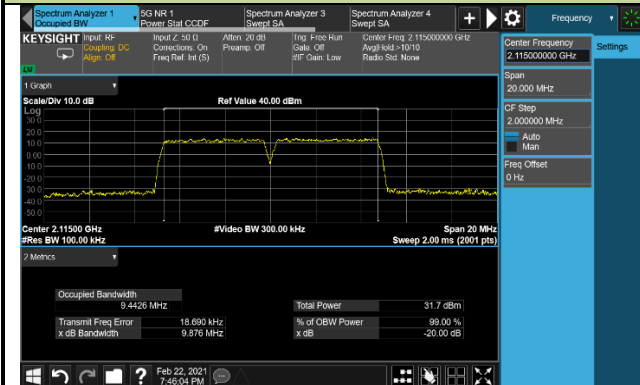


2150+2170 MHz



5+5MHz Channel Bandwidth - 256QAM

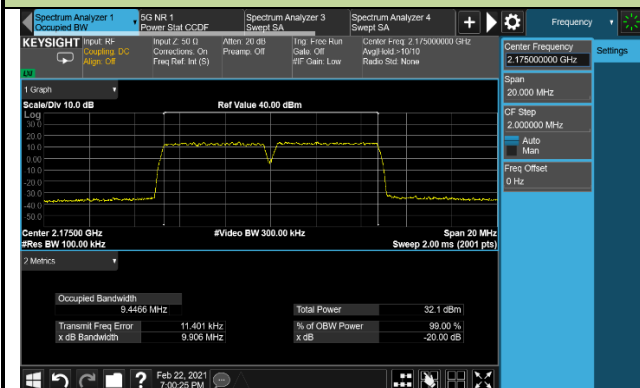
2112.5+2117.5 MHz



2142.5+2147.5 MHz

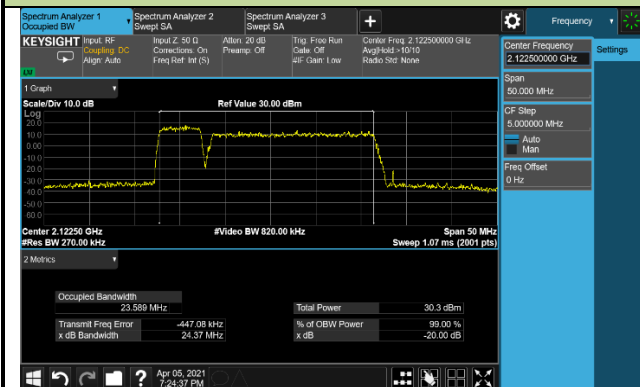


2172.5+2177.5 MHz

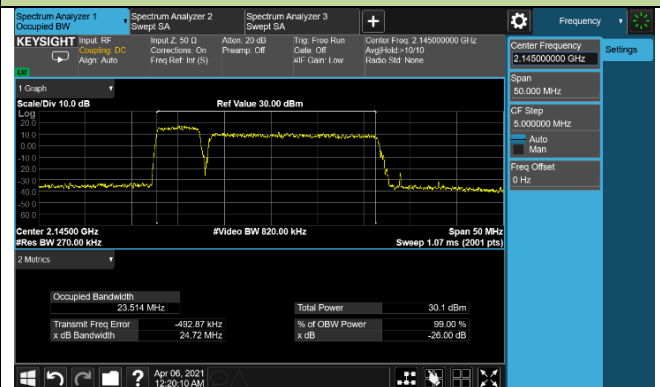


5+20 MHz Channel Bandwidth -256QAM

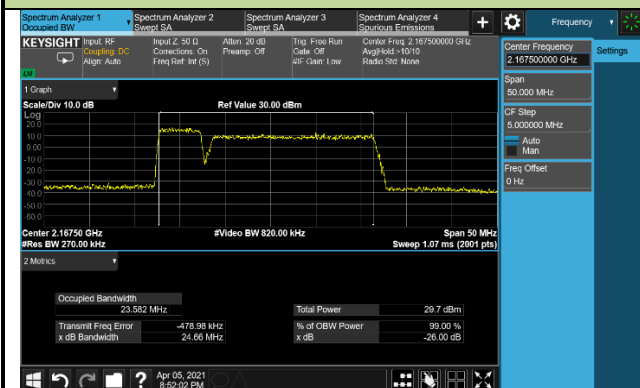
2112.5+2125.0 MHz



2135.0+2147.5 MHz

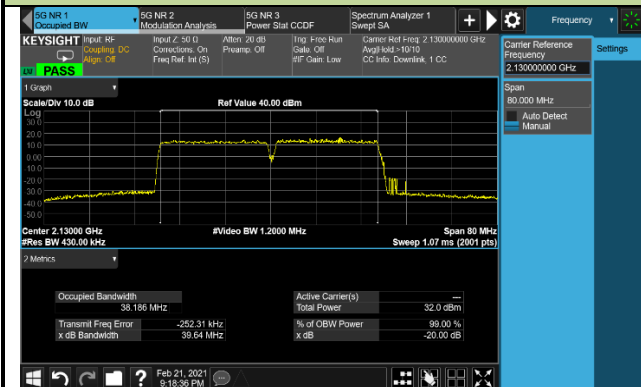


2157.5+2170.0 MHz

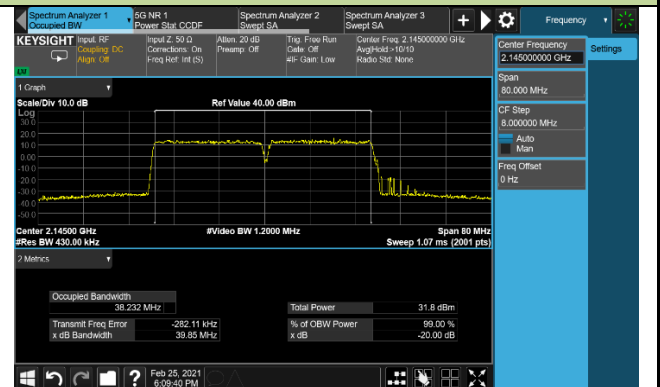


20+20MHz Channel Bandwidth - 256QAM

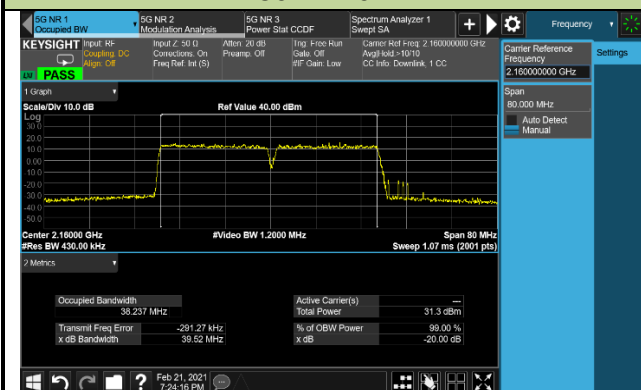
2120+2140 MHz



2135+2155 MHz



2150+2170 MHz



6.4. Band Edge Measurement

6.4.1. 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 implement MIMO function, so the limit of spurious emissions needs to be reduced by $10 \cdot \log(\text{Numbers}_{\text{Ant}})$ according to FCC KDB 662911 D01 guidance.

The limit is adjusted to $-13 \text{ dBm} - 10 \cdot \log(2) = -16.01 \text{ dBm}$

6.4.2. Test Procedure Used

KDB 971168 D01v03r01 - Section 6.1

ANSI C63.26-2015 - Section 5.7.1

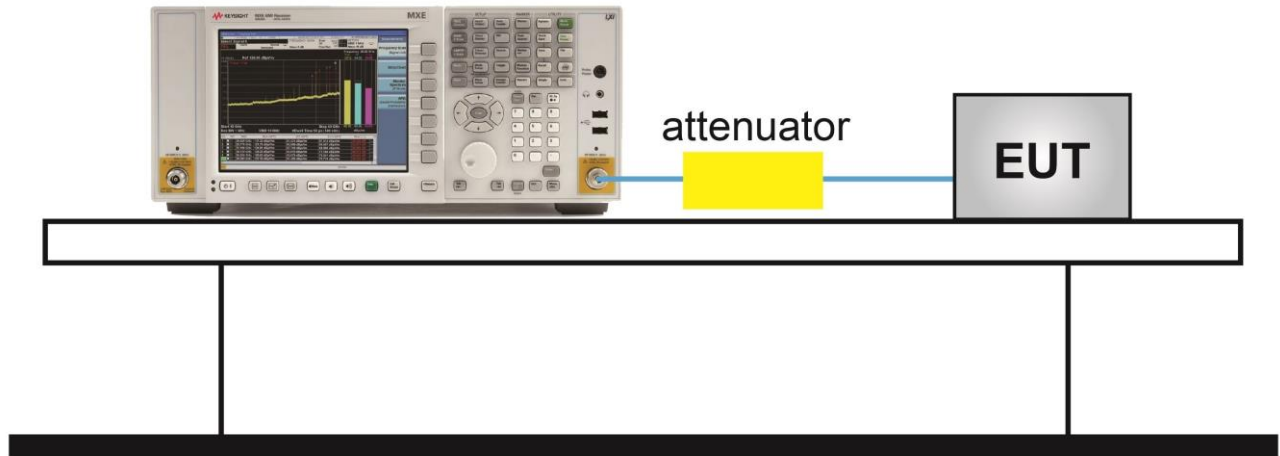
6.4.3. Test Setting

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 $\geq 3 \cdot \text{RBW}$
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.

6.4.4. Test Setup

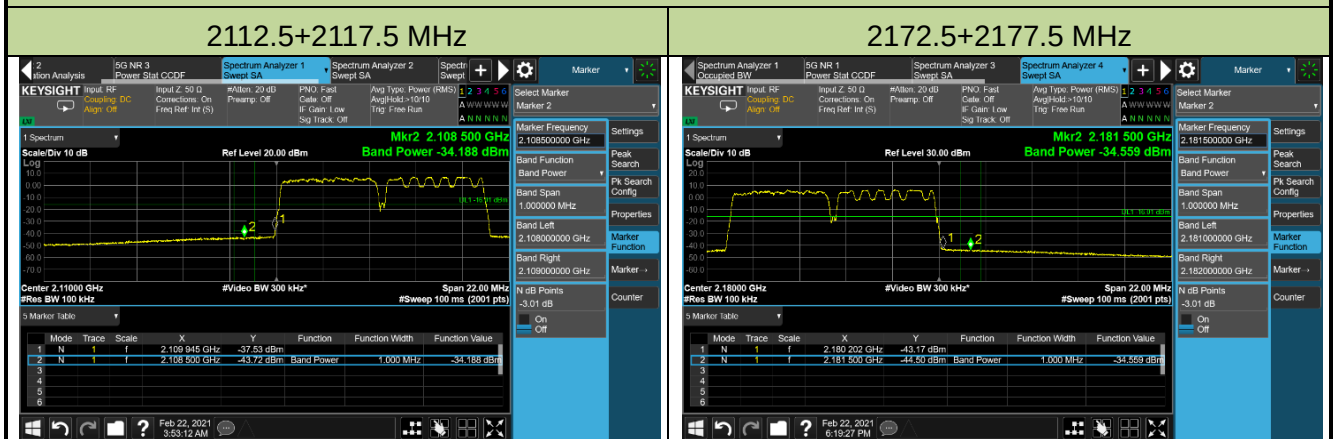
Spectrum Analyzer



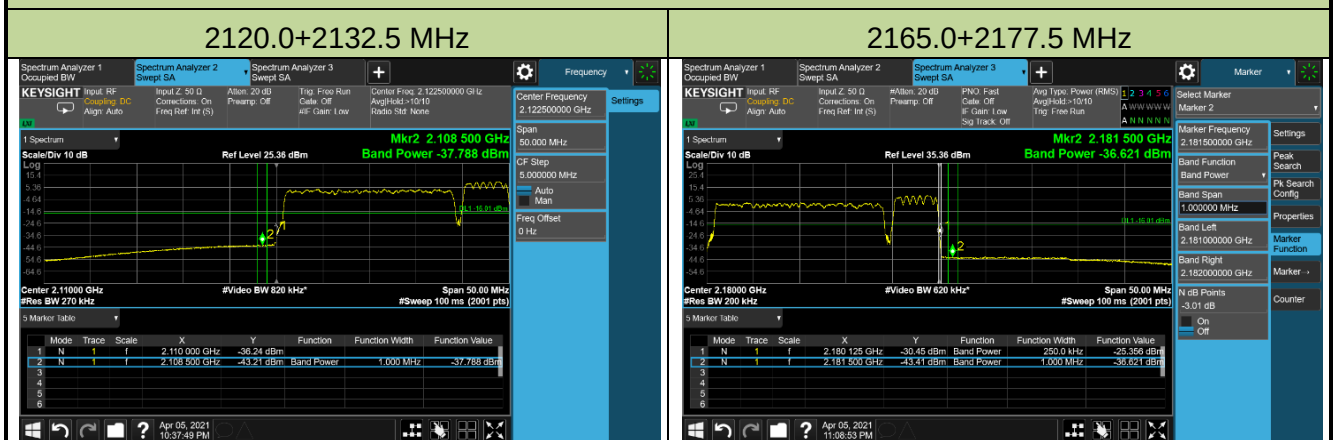
6.4.5. Test Result

Product	AirScale Indoor Radio ASIR-pRRH	Test Engineer	Peter Xu
Test Site	SR2	Test Date	2021/02/01 ~ 2021/04/06
Test Configuration	Band 66 Concurrent Mode - LTE + NR		

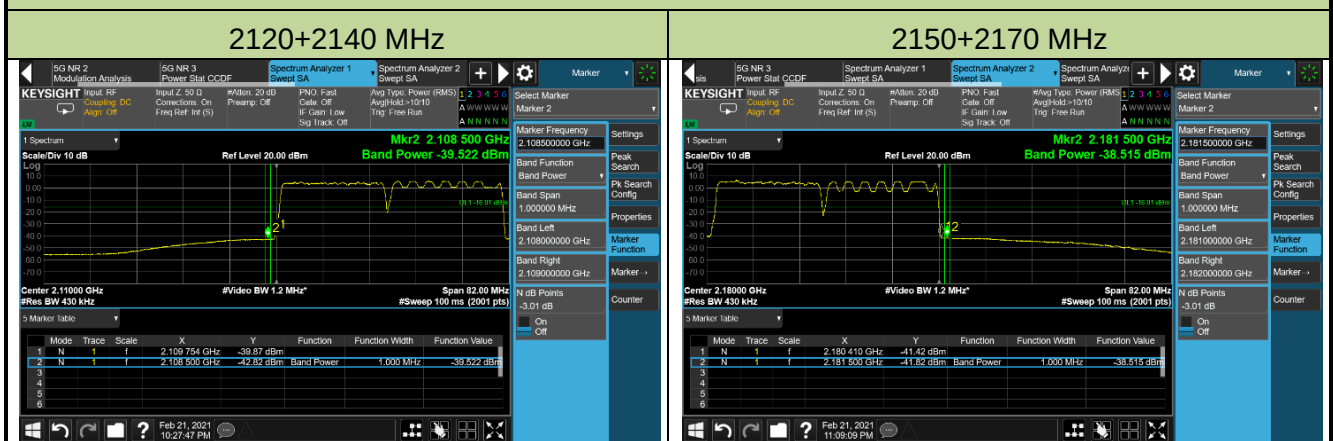
5+5MHz Channel Bandwidth - Ant 0



20+5MHz Channel Bandwidth - Ant 0

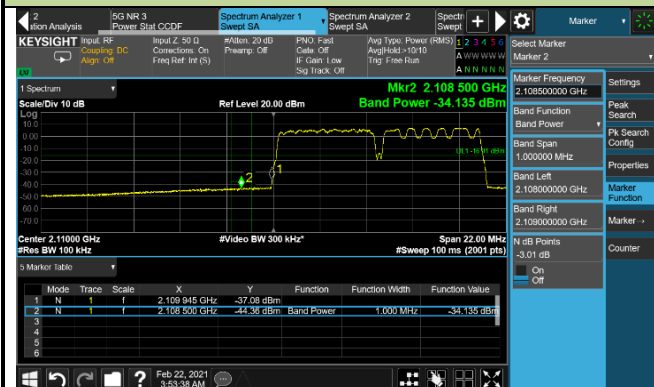


20+20MHz Channel Bandwidth - Ant 0

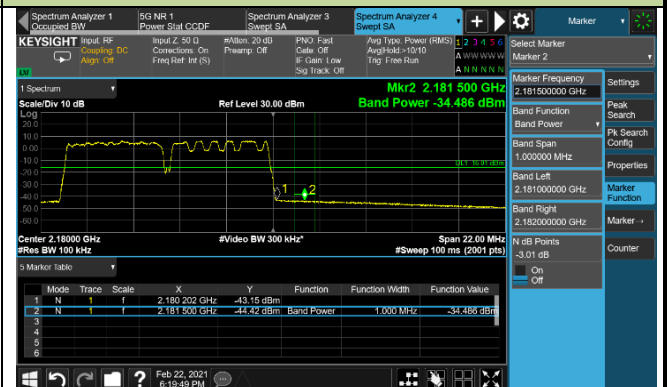


5+5MHz Channel Bandwidth - Ant 1

2112.5+2117.5 MHz

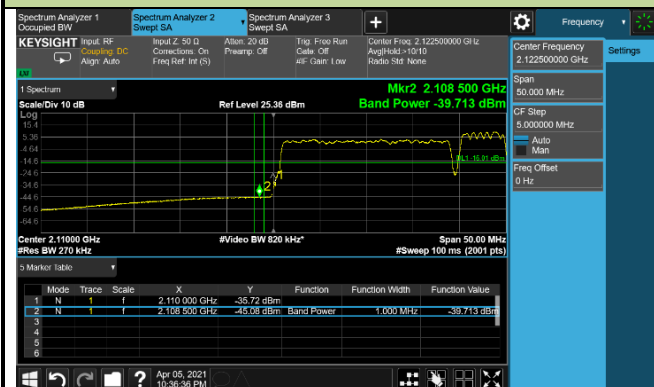


2172.5+2177.5 MHz

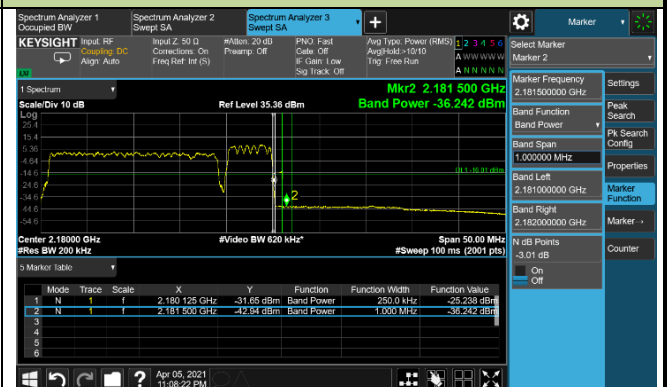


20+5MHz Channel Bandwidth - Ant 1

2120.0+2132.5 MHz

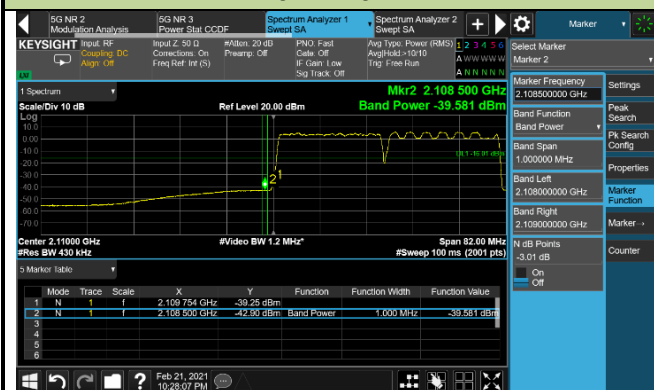


2165.0+2177.5 MHz

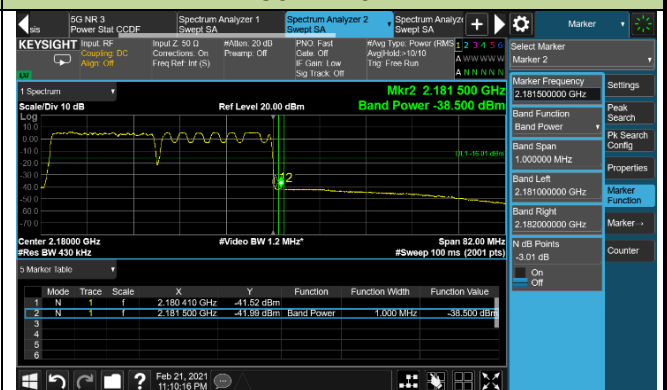


20+20MHz Channel Bandwidth - Ant 1

2120+2140 MHz



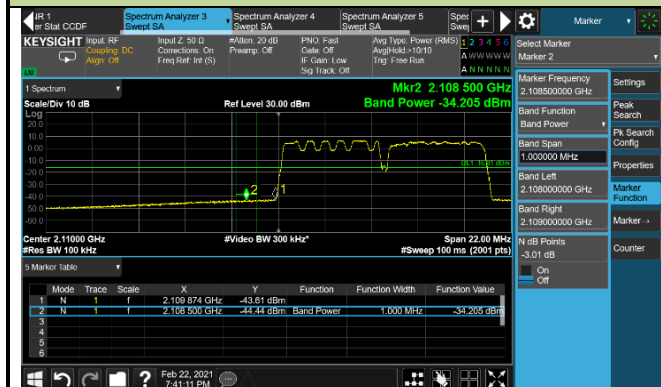
2150+2170 MHz



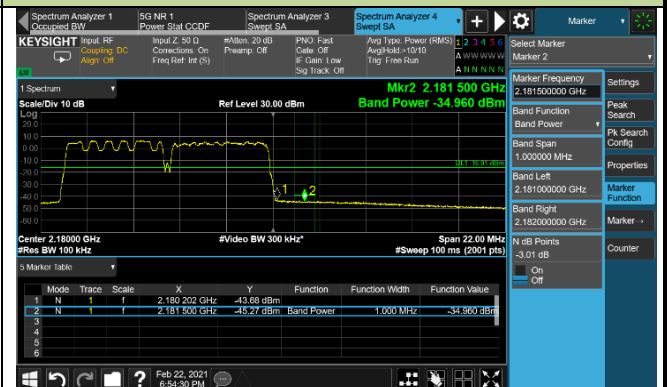
Product	AirScale Indoor Radio ASIR-pRRH	Test Engineer	Peter Xu
Test Site	SR2	Test Date	2021/02/01 ~ 2021/04/06
Test Configuration	Band 66 Concurrent Mode - NR + LTE		

5+5MHz Channel Bandwidth - Ant 0

2112.5+2117.5 MHz

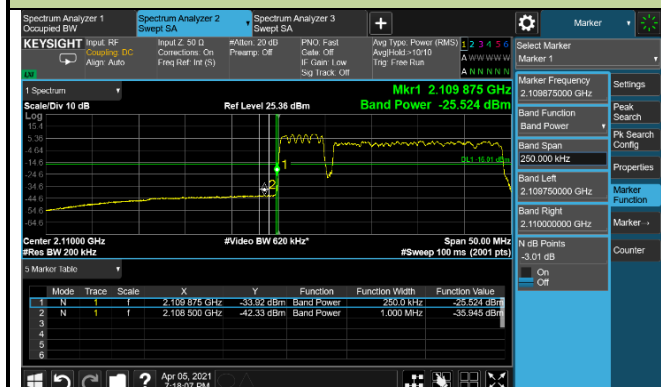


2172.5+2177.5 MHz

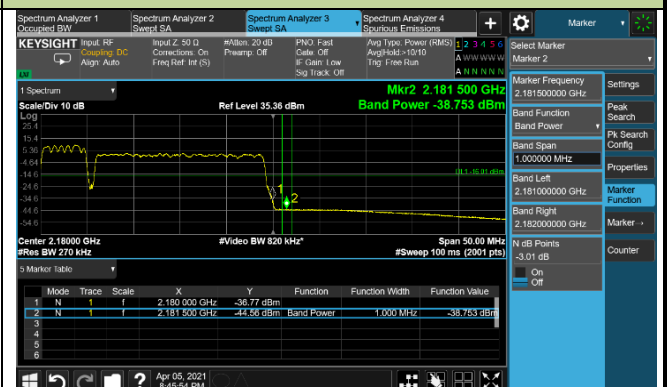


5+20MHz Channel Bandwidth - Ant 0

2112.5+2125.0 MHz

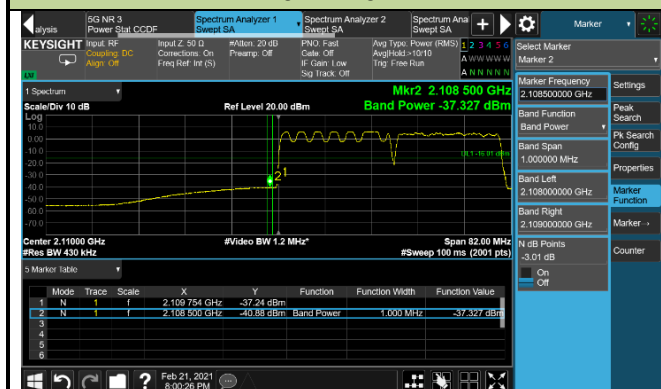


2157.5+2170.0 MHz



20+20MHz Channel Bandwidth - Ant 0

2120+2140 MHz

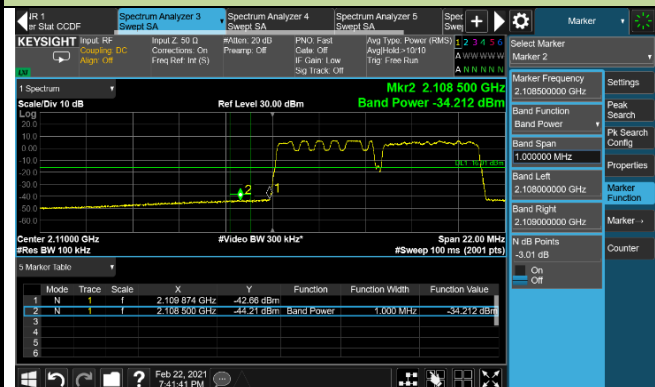


2150+2170 MHz

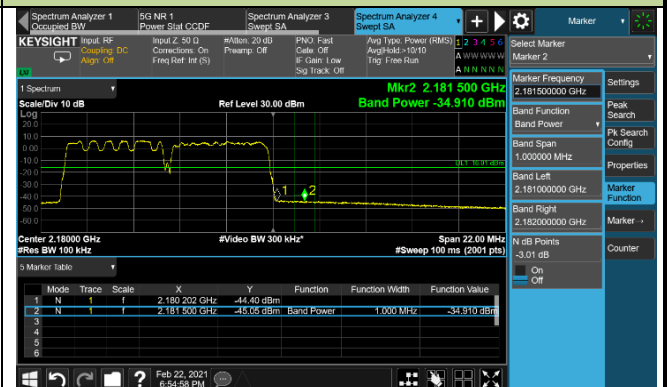


5+5MHz Channel Bandwidth - Ant 1

2112.5+2117.5 MHz

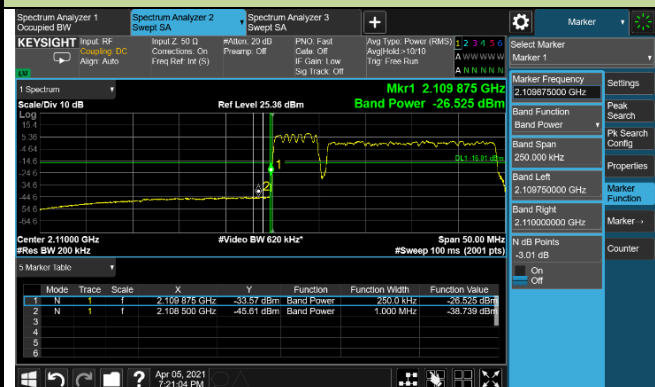


2172.5+2177.5 MHz

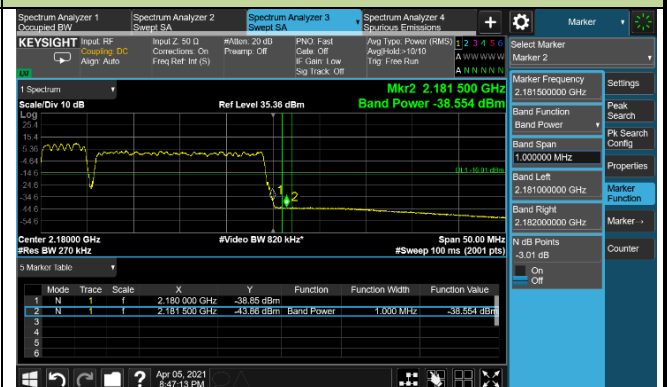


5+20MHz Channel Bandwidth - Ant 1

2112.5+2125.0 MHz

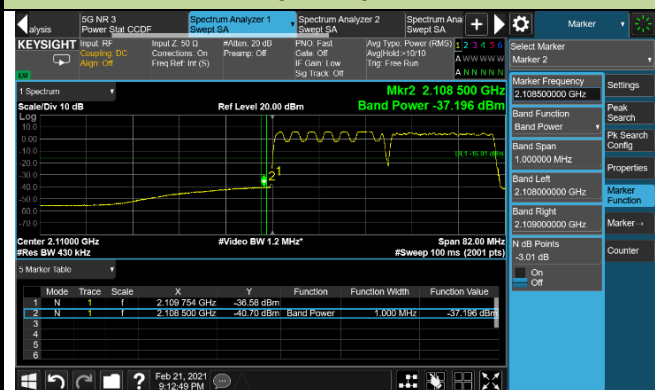


2157.5+2170.0 MHz

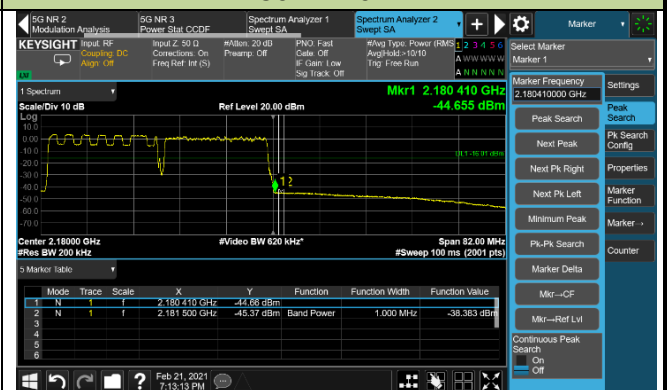


20+20MHz Channel Bandwidth - Ant 1

2120+2140 MHz



2150+2170 MHz



7. 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
