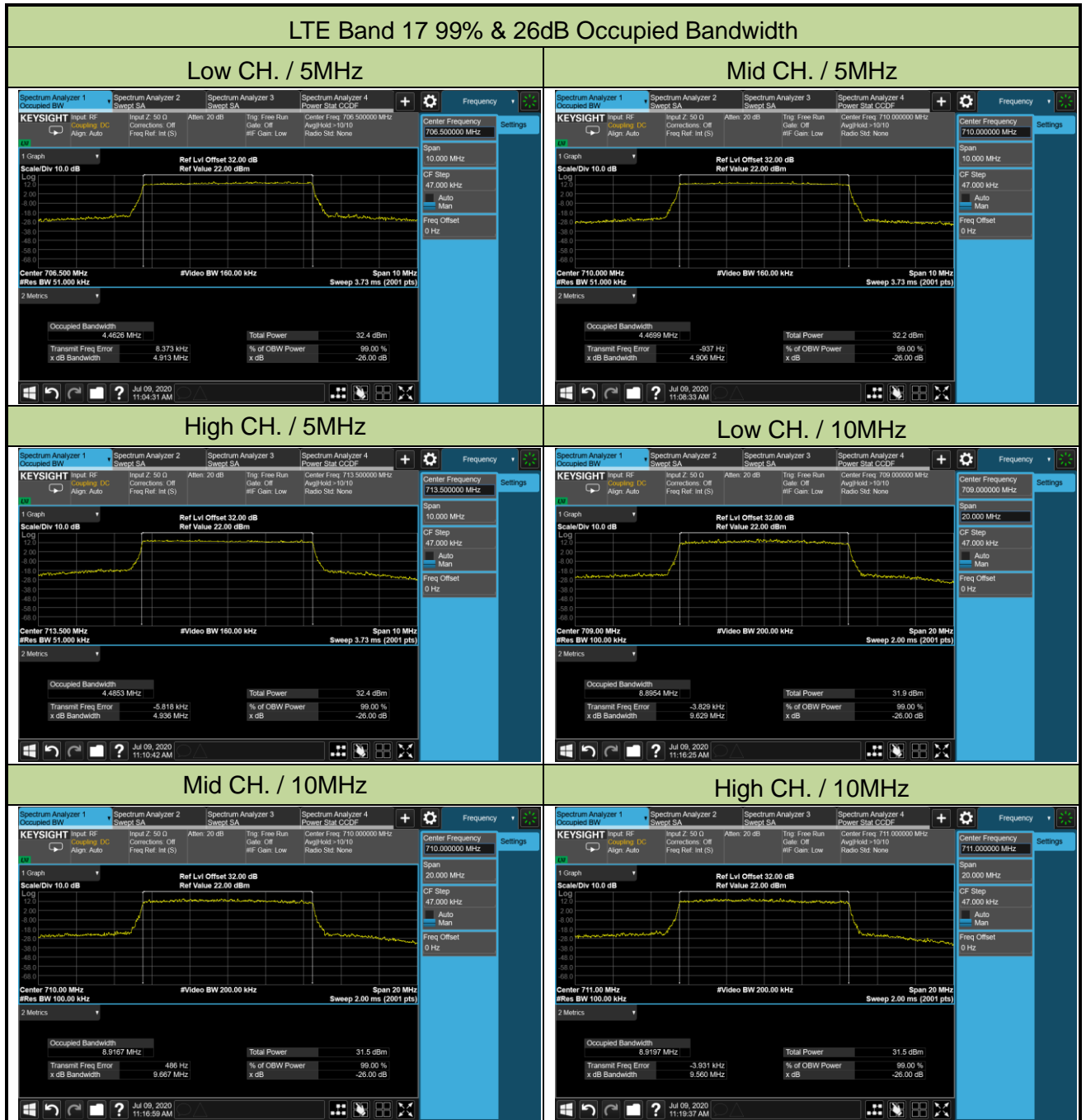


Product	Tablet	Test Site	SR5
Test Engineer	Candy Luo	Test Date	2020/07/09
Test Band	Band 17		

Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
Lowest Channel			
706.5	5	4.46	4.91
709	10	8.90	9.63
Middle Channel			
710	5	4.47	4.91
710	10	8.92	9.67
High Channel			
713.5	5	4.49	4.94
711	10	8.92	9.56

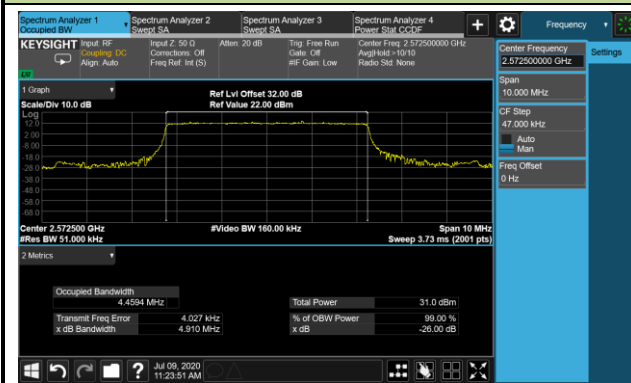


Product	Tablet	Test Site	SR5
Test Engineer	Candy Luo	Test Date	2020/07/09
Test Band	Band 38		

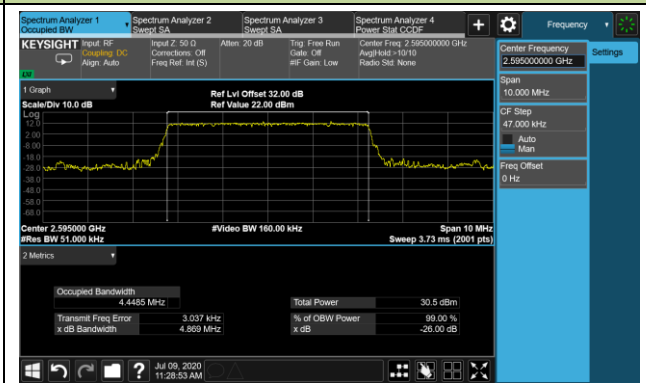
Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
Lowest Channel			
2572.5	5	4.46	4.91
2575	10	8.93	9.66
2577.5	15	13.40	14.98
2580	20	17.82	19.15
Middle Channel			
2595	5	4.45	4.87
2595	10	8.93	10.01
2595	15	13.41	14.54
2595	20	17.79	18.85
High Channel			
2617.5	5	4.47	4.82
2615.0	10	8.94	10.29
2612.5	15	13.37	14.68
2610.0	20	17.82	19.02

LTE Band 38 99% & 26dB Occupied Bandwidth

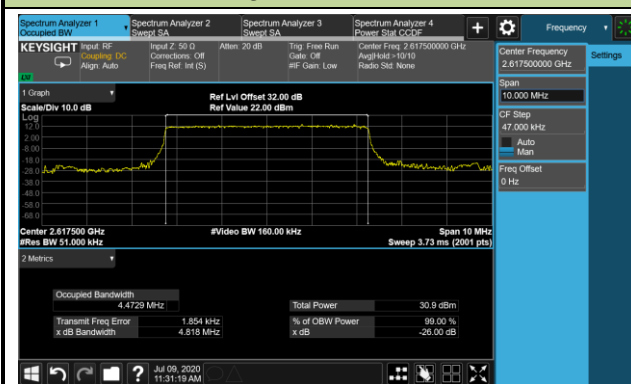
Low CH. / 5MHz



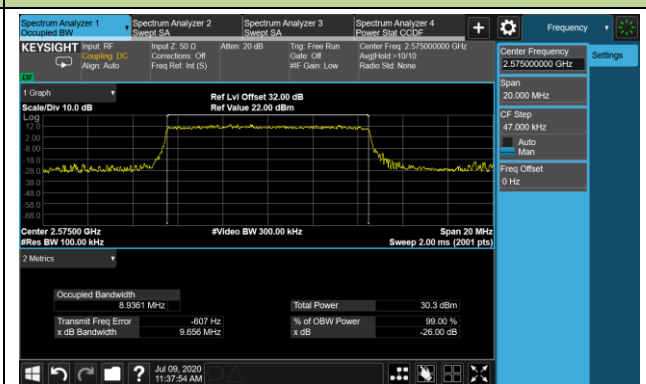
Mid CH. / 5MHz



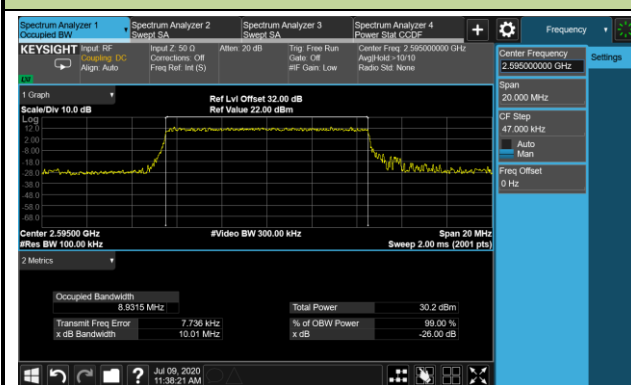
High CH. / 5MHz



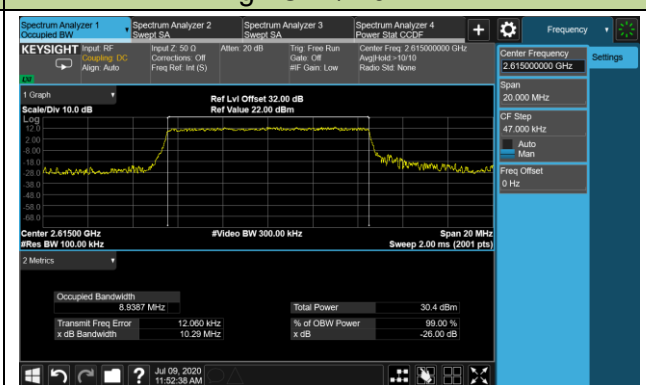
Low CH. / 10MHz



Mid CH. / 10MHz

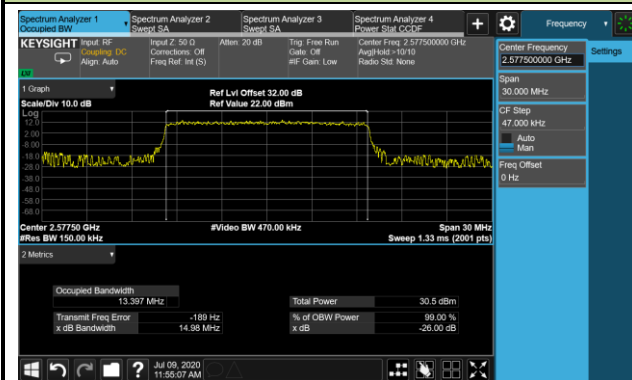


High CH. / 10MHz

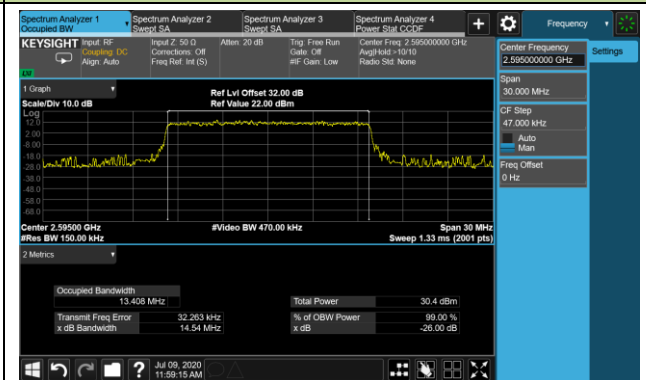


LTE Band 38 99% & 26dB Occupied Bandwidth

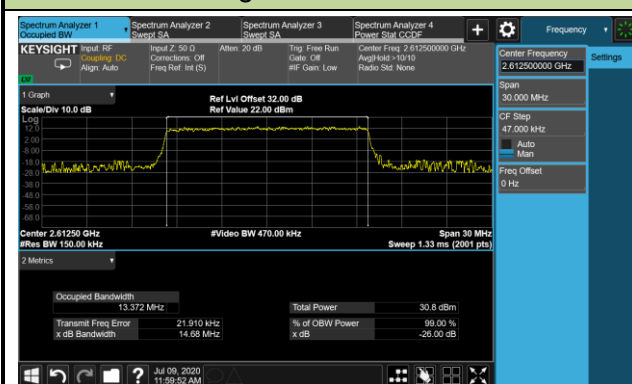
Low CH. / 15MHz



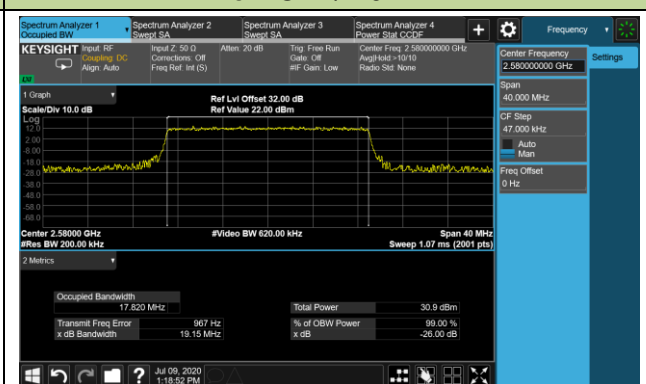
Mid CH. / 15MHz



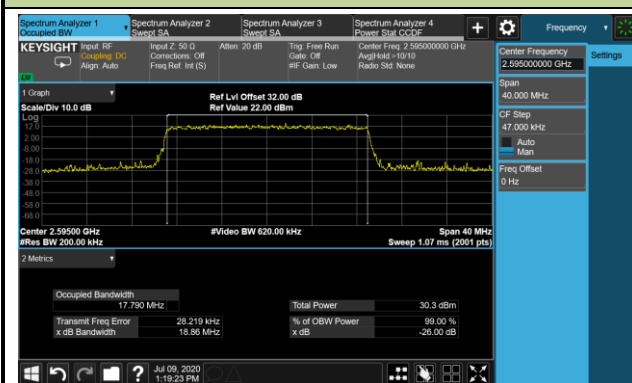
High CH. / 15MHz



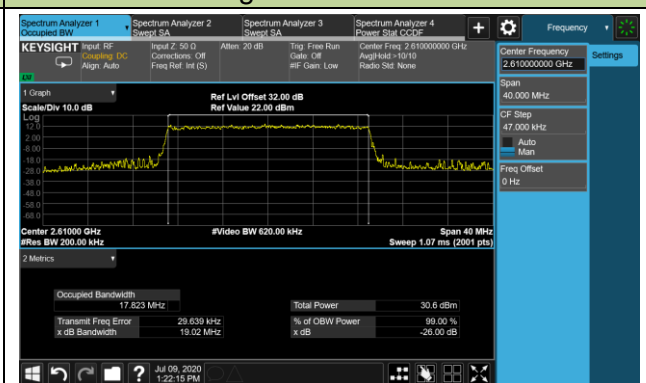
Low CH. / 20MHz



Mid CH. / 20MHz



High CH. / 20MHz

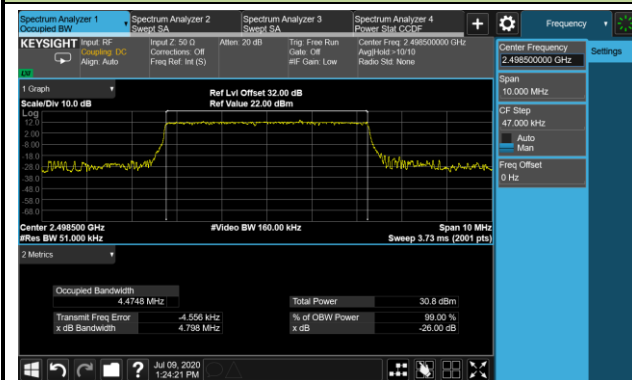


Product	Tablet	Test Site	SR5
Test Engineer	Candy Luo	Test Date	2020/07/09
Test Band	Band 41		

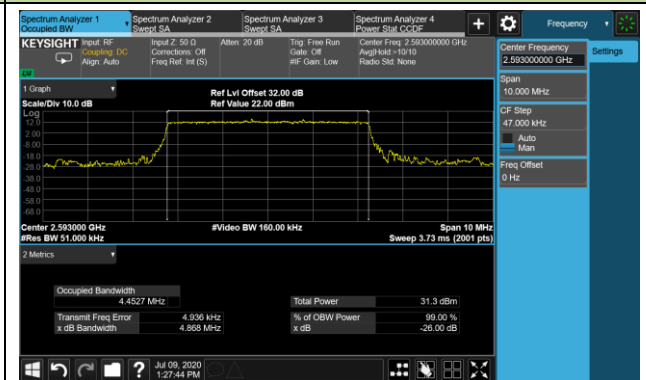
Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
Lowest Channel			
2498.5	5	4.47	4.80
2501	10	8.94	9.84
2503.5	15	13.41	14.74
2506	20	17.83	19.17
Middle Channel			
2593	5	4.45	4.87
2593	10	8.94	10.18
2593	15	13.39	14.82
2593	20	17.81	19.05
High Channel			
2687.5	5	4.45	4.89
2685	10	8.94	9.80
2682.5	15	13.39	14.29
2680	20	17.80	19.35

LTE Band 41 99% & 26dB Occupied Bandwidth

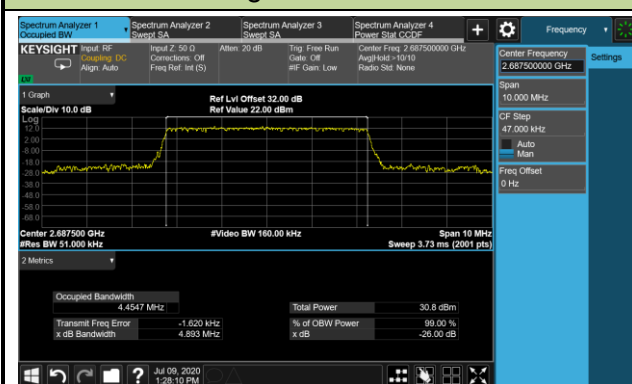
Low CH. / 5MHz



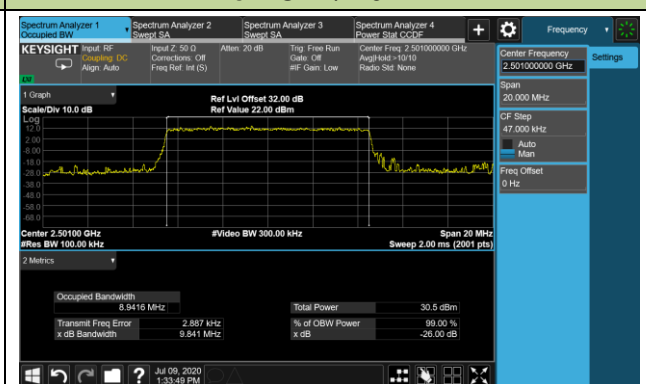
Mid CH. / 5MHz



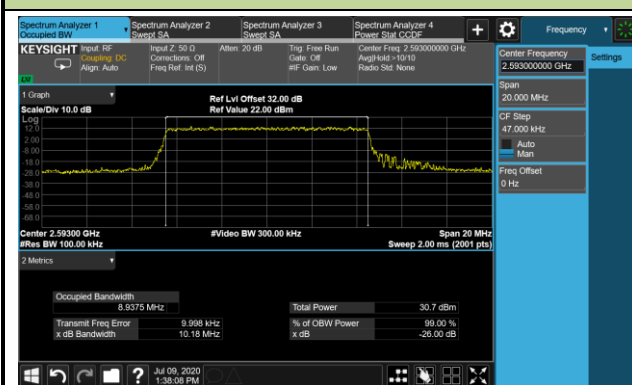
High CH. / 5MHz



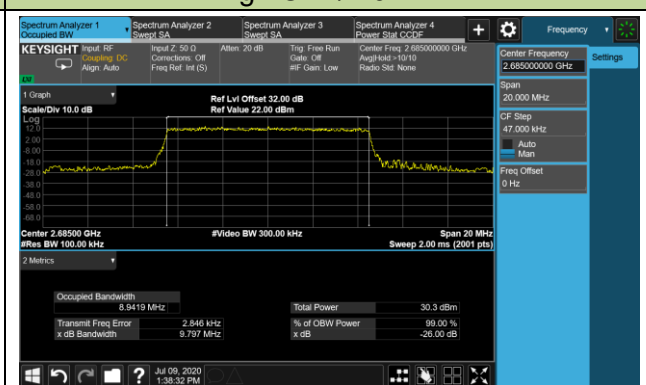
Low CH. / 10MHz



Mid CH. / 10MHz

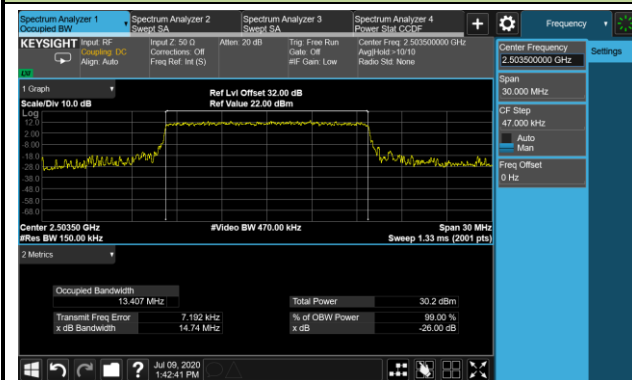


High CH. / 10MHz

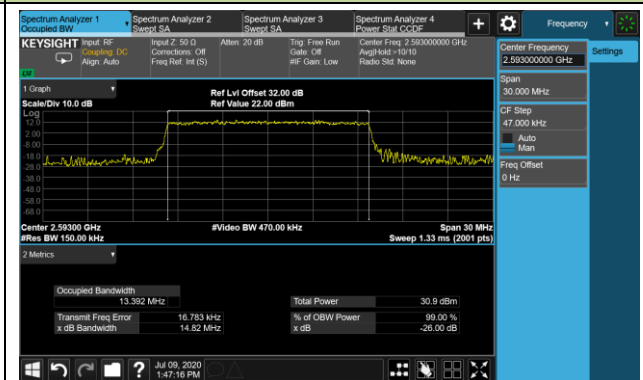


LTE Band 41 99% & 26dB Occupied Bandwidth

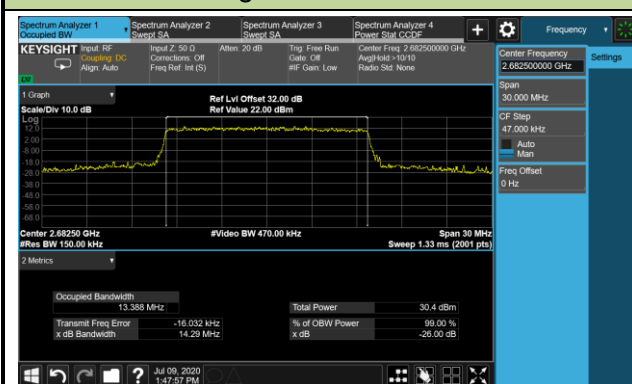
Low CH. / 15MHz



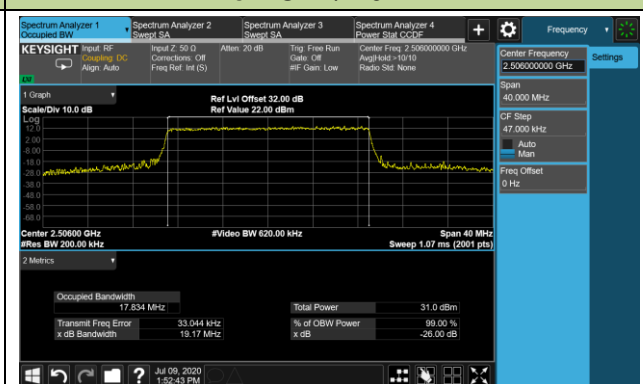
Mid CH. / 15MHz



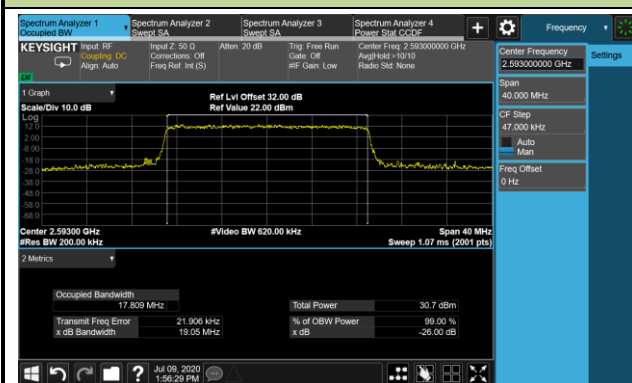
High CH. / 15MHz



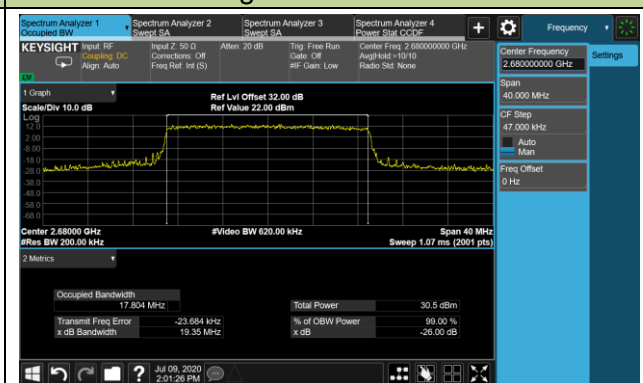
Low CH. / 20MHz



Mid CH. / 20MHz



High CH. / 20MHz



5.3. Band Edge Emissions at Antenna Terminal

5.3.1. Test Limit

24.917 (a)

For operations in the 824-849 band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition the power of any 793-806 MHz shall be attenuated below the transmitter power, $P(\text{dBW})$, by at least $65 + 10\log_{10}(P[\text{Watts}])$, dB, for mobile and portable equipment.

27.53 (g)

For operations in the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)\text{dB}$. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 - 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

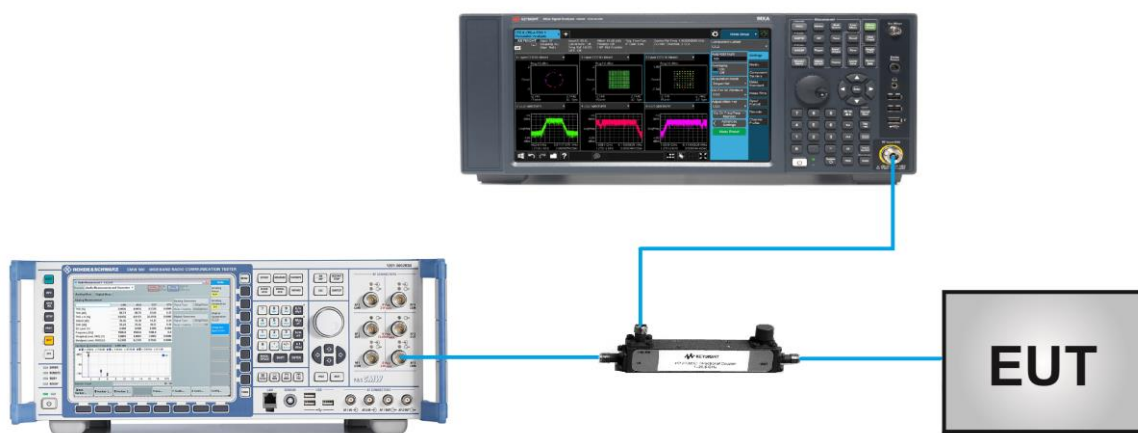
5.3.2. Test Procedure Used

ANSI C63.26-2015 - Section 5.7

5.3.3. Test Setting

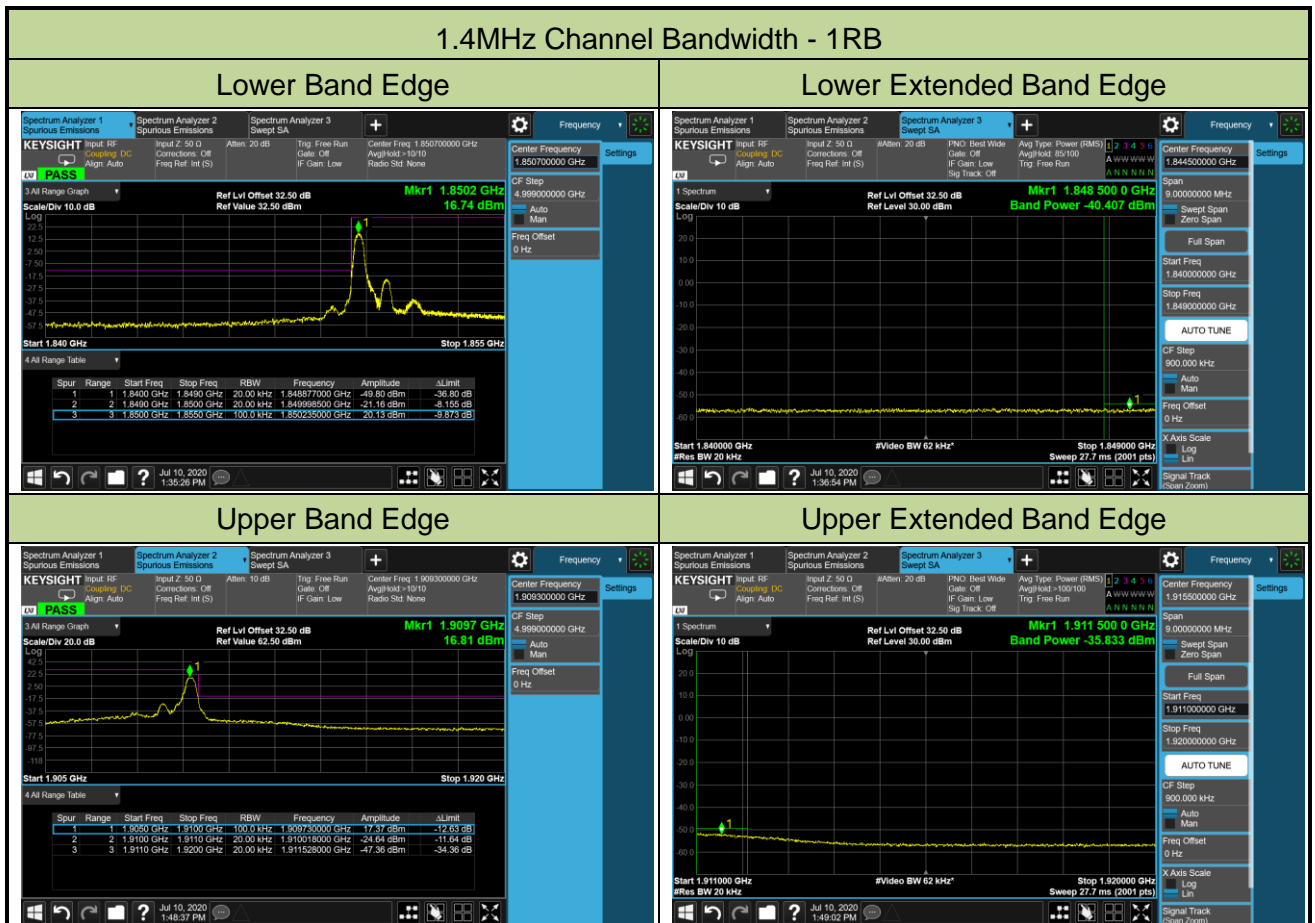
1. Set the analyzer frequency to low or high channel
2. $RBW \geq$ The nominal RBW shall be in the range of 1% of the anticipated OBW (in the 1MHz band immediately outside and adjacent to the band edge). For improvement of the accuracy in the measurement of the average power of a noise-like emission, a RBW narrower than the specified reference bandwidth can be used (generally limited to no less than 1% of the OBW), provided that a subsequent integration is performed over the full required measurement bandwidth. This integration should be performed using the spectrum analyzer's band power functions.
3. $VBW \geq 3 \cdot RBW$
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to "free run."
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power
8. 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.

5.3.4. Test Setup



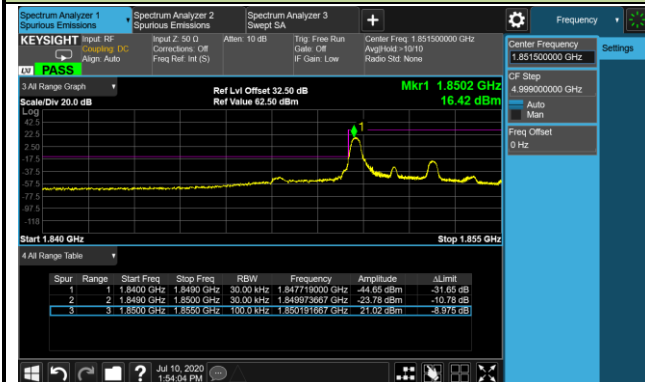
5.3.5. Test Result

Product	Tablet	Test Site	SR5
Test Engineer	Candy Luo	Test Date	2020/07/10
Test Band	Band 2		
Test Result	Pass		

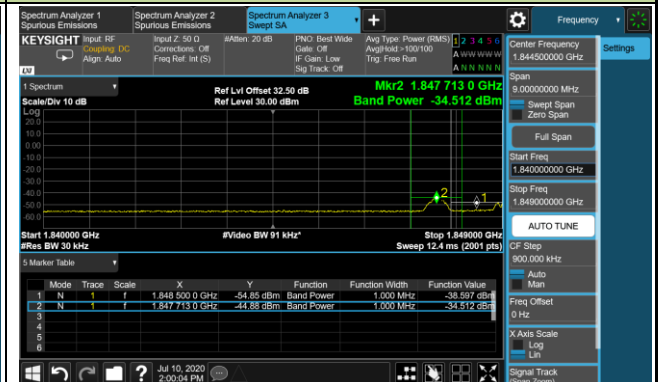


3MHz Channel Bandwidth - 1RB

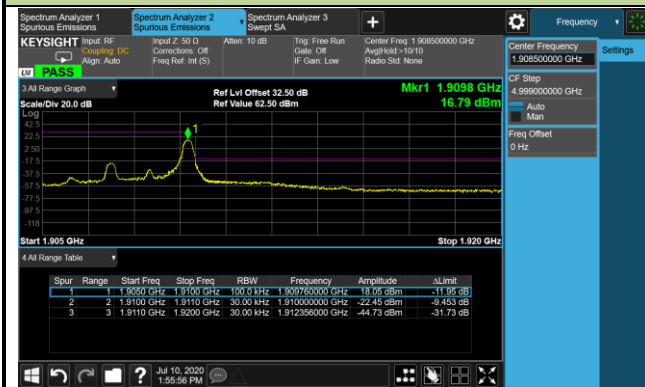
Lower Band Edge



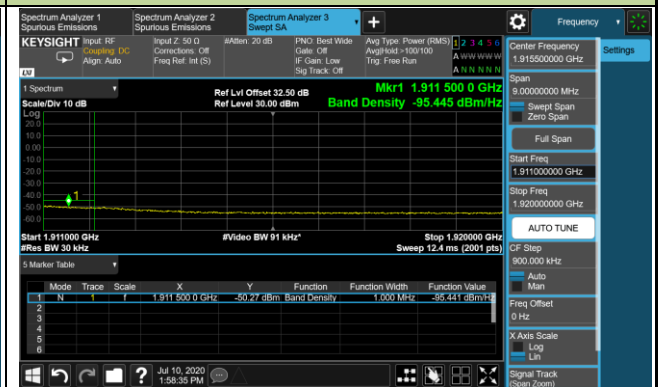
Lower Extended Band Edge



Upper Band Edge

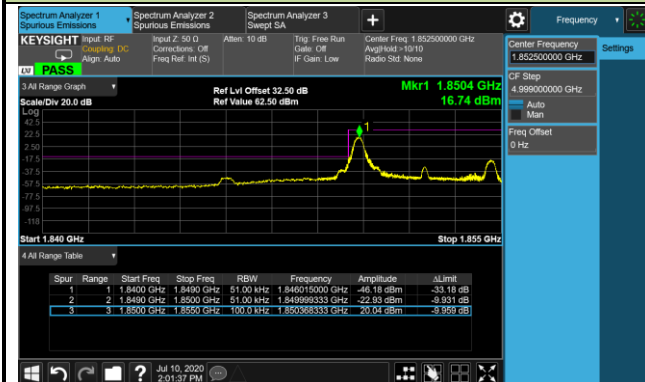


Upper Extended Band Edge

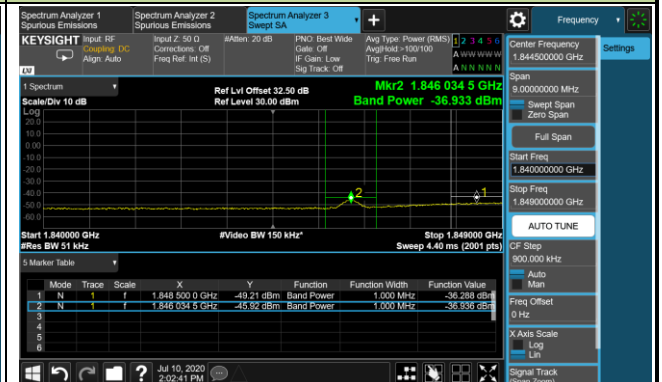


5MHz Channel Bandwidth - 1RB

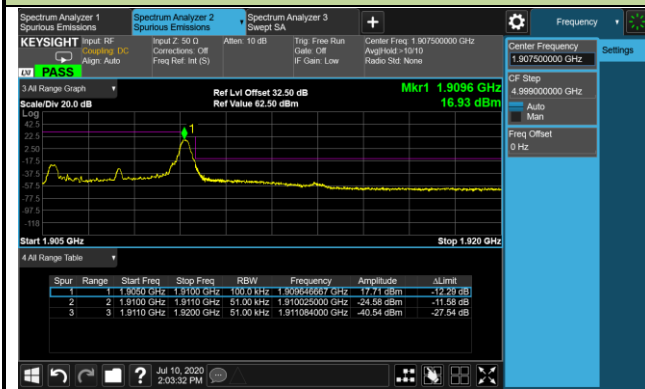
Lower Band Edge



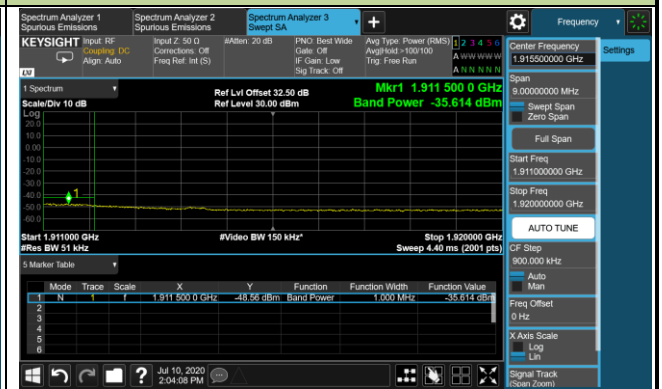
Lower Extended Band Edge



Upper Band Edge

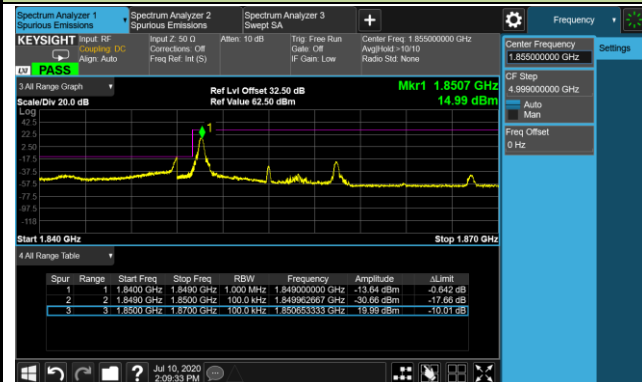


Upper Extended Band Edge

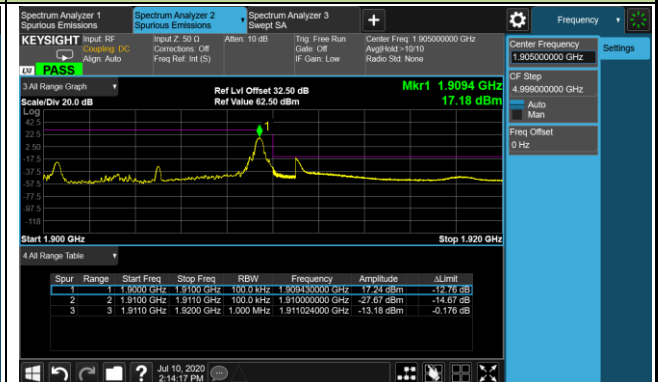


10MHz Channel Bandwidth - 1RB

Lower Band Edge

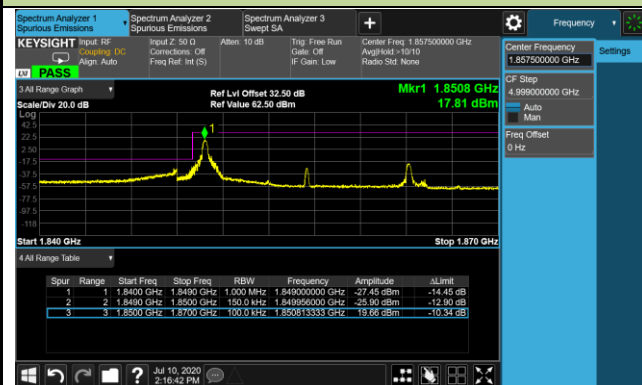


Upper Band Edge

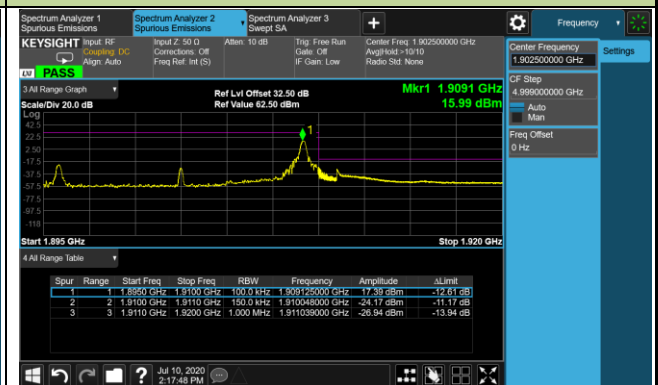


15MHz Channel Bandwidth - 1RB

Lower Band Edge

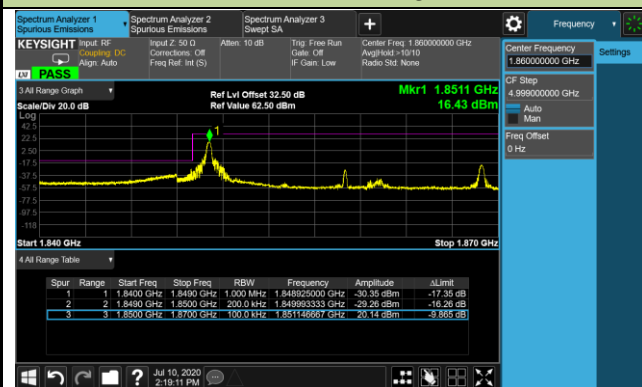


Upper Band Edge

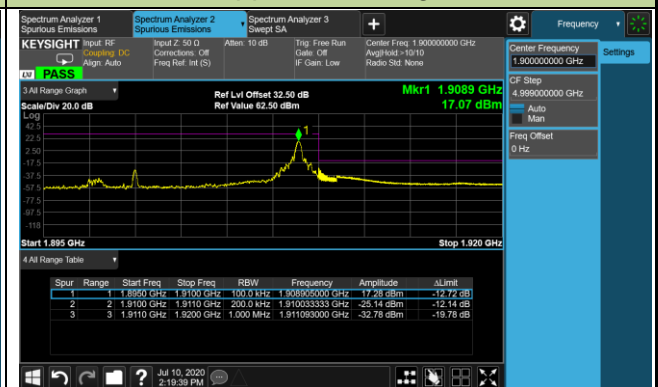


20MHz Channel Bandwidth - 1RB

Lower Band Edge

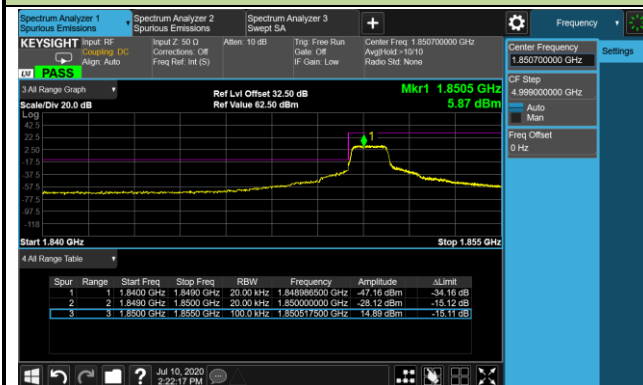


Upper Band Edge

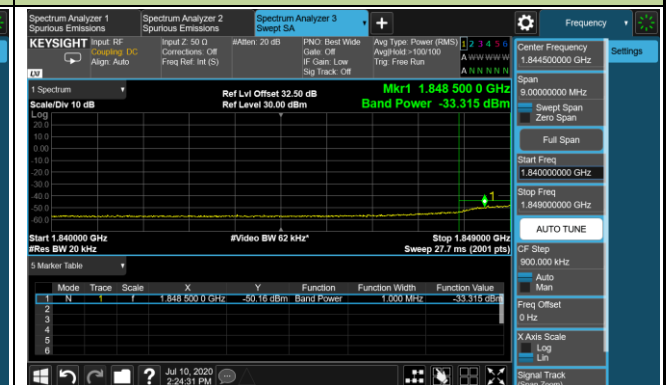


1.4MHz Channel Bandwidth - Full RB

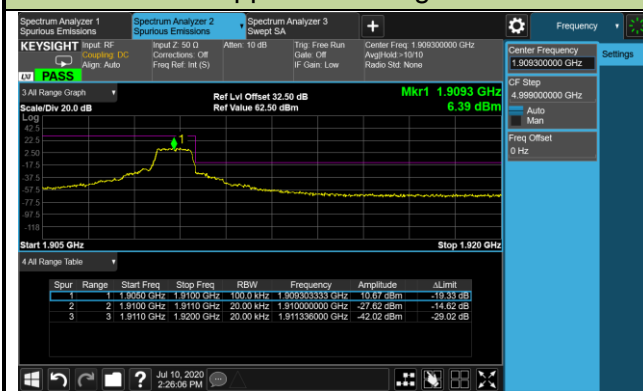
Lower Band Edge



Lower Extended Band Edge



Upper Band Edge

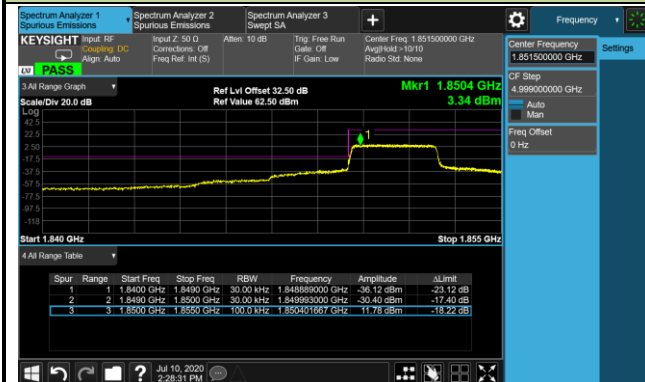


Upper Extended Band Edge

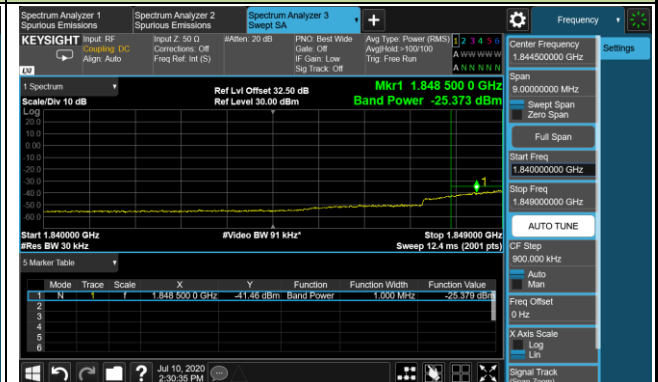


3MHz Channel Bandwidth - Full RB

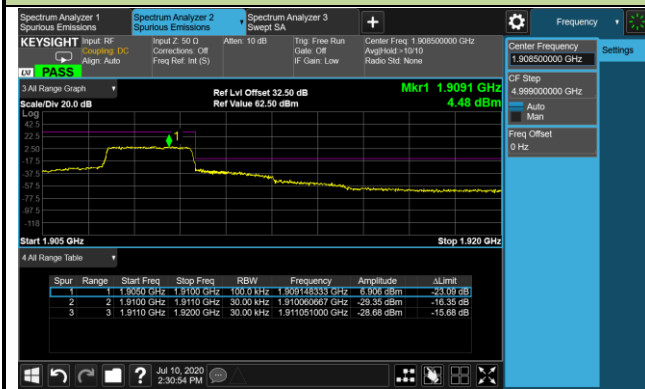
Lower Band Edge



Lower Extended Band Edge



Upper Band Edge



Upper Extended Band Edge

