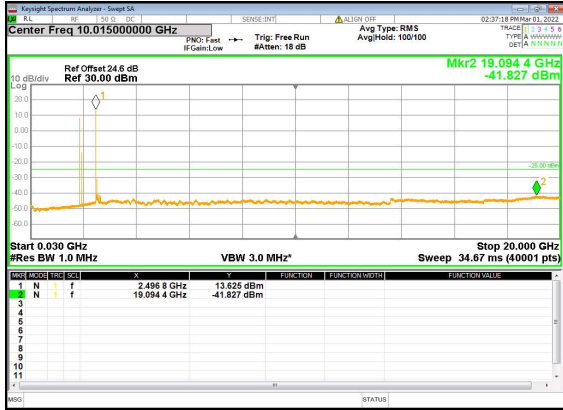
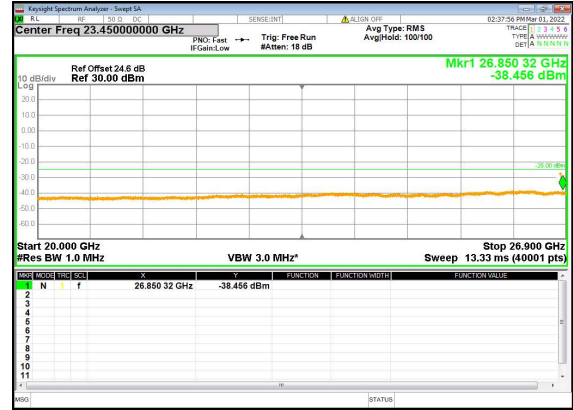




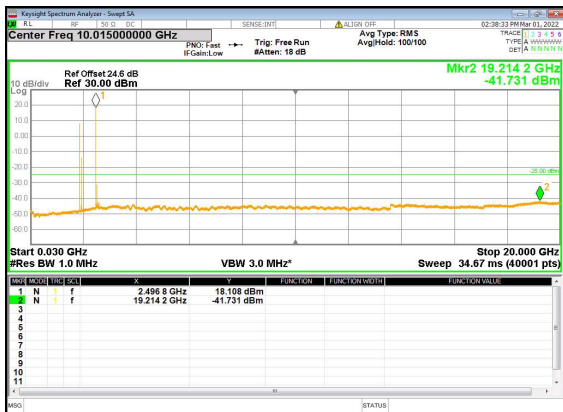
B2\_n41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_  
1RB\_Left\_Low\_CH



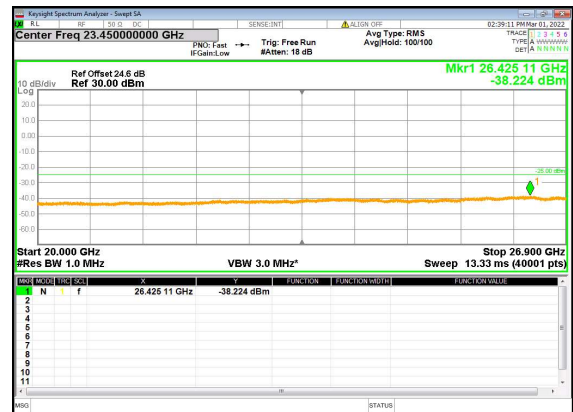
B2\_n41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_  
1RB\_Left\_Low\_CH



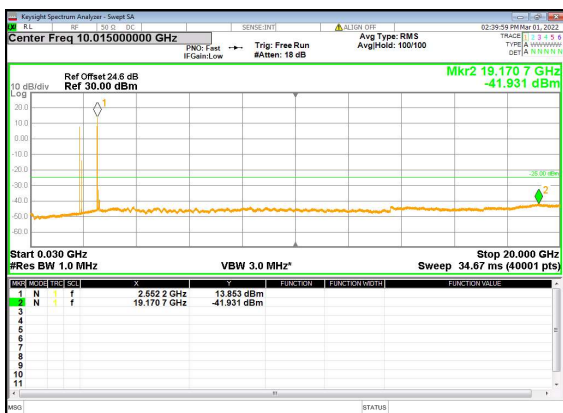
B2\_n41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_  
1RB\_Left\_Low\_CH



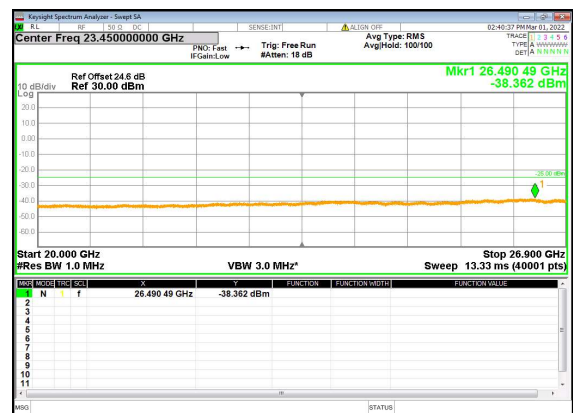
B2\_n41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_  
1RB\_Left\_Low\_CH



B2\_n41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_  
1RB\_Left\_Mid\_CH

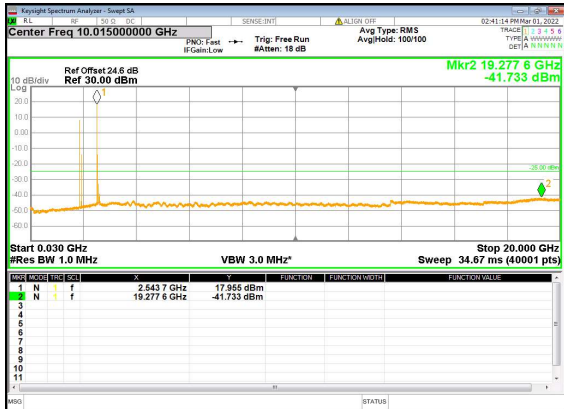


B2\_n41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_  
1RB\_Left\_Mid\_CH

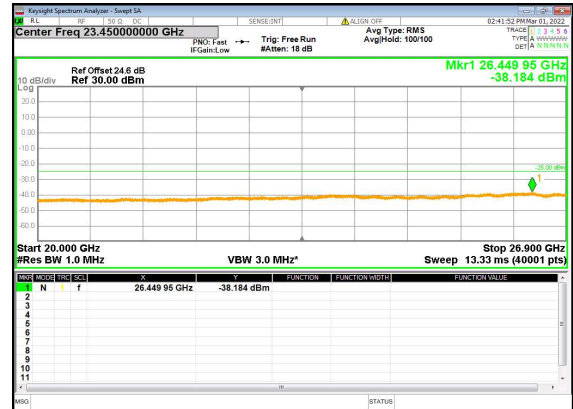




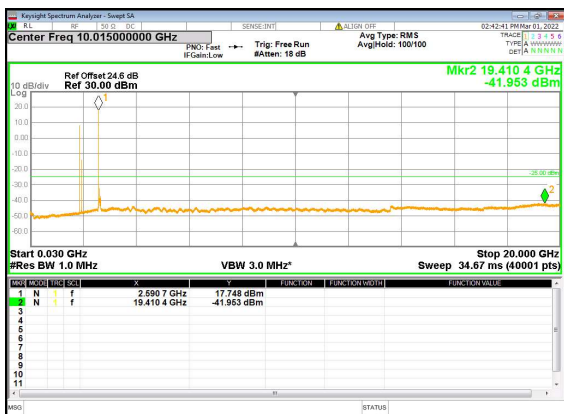
B2\_n41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



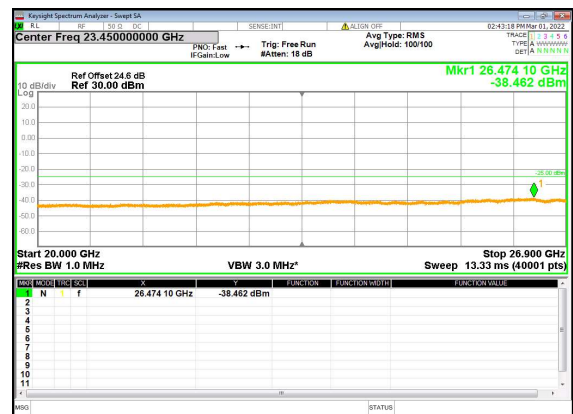
B2\_n41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



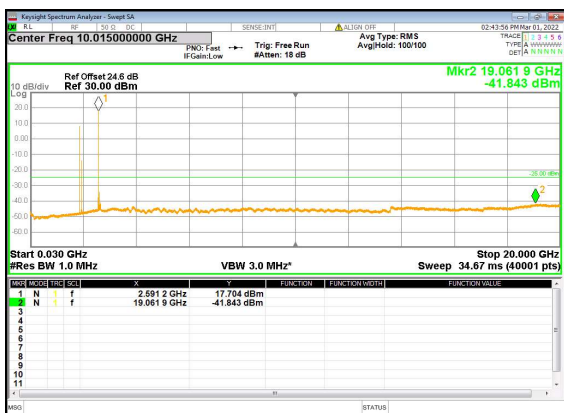
B2\_n41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



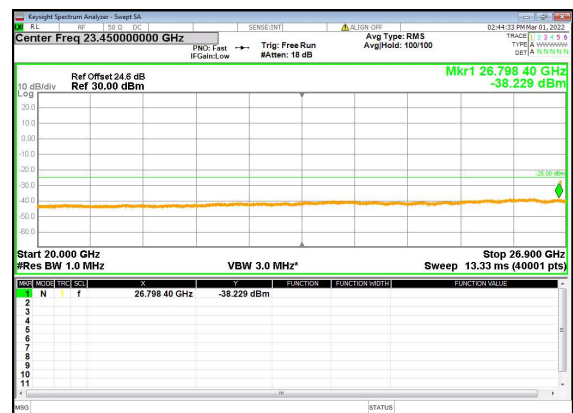
B2\_n41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



B2\_n41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



B2\_n41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH





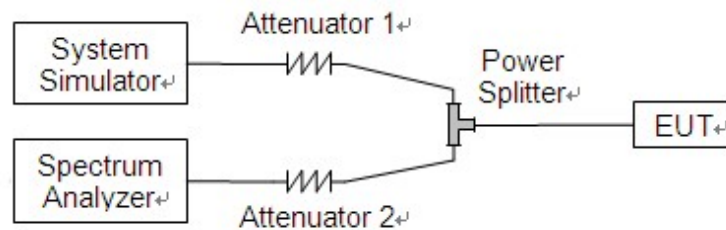
## 2.5. Band Edge

### 2.5.1. Requirement

According to FCC section 2.1051, 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.

According to FCC section 27.53(m)(4) for n41, 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 than  $43 + 10 \log(P)$  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.

## 2.5.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

## 2.5.3. Test procedure

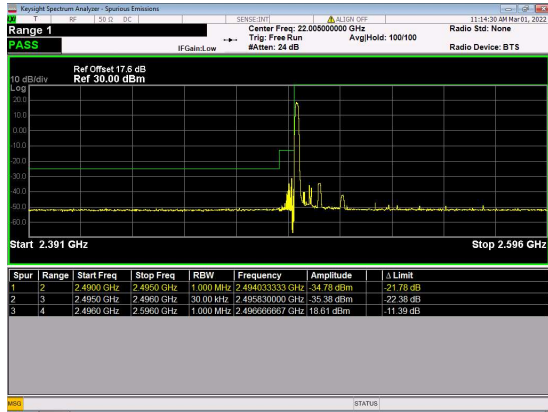
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

## 2.5.4. Test Result

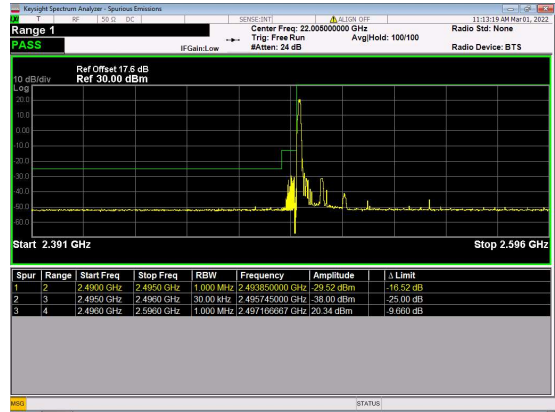
The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.



n41(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_  
Left\_Low\_CH



n41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_  
Left\_Low\_CH



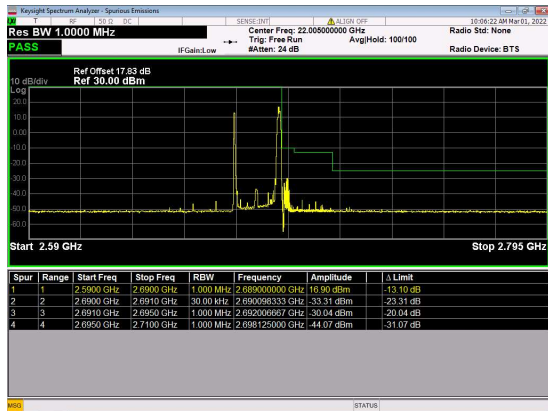
n41(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_  
Low\_CH



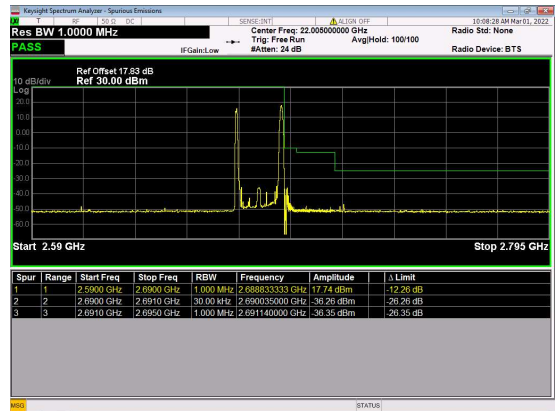
n41(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_  
Low\_CH



n41(20M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_  
Right\_High\_CH



n41(20M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_  
Right\_High\_CH





n41(20M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



n41(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



n41(30M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



n41(30M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



n41(30M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH

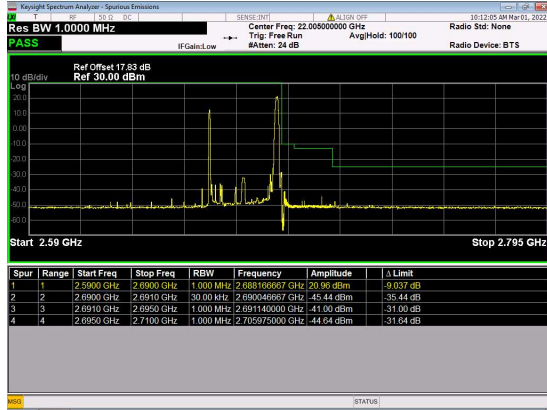


n41(30M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH

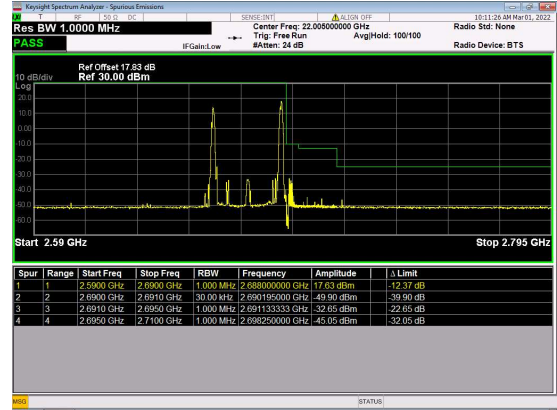




n41(30M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_  
Right\_High\_CH



n41(30M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_  
Right\_High\_CH



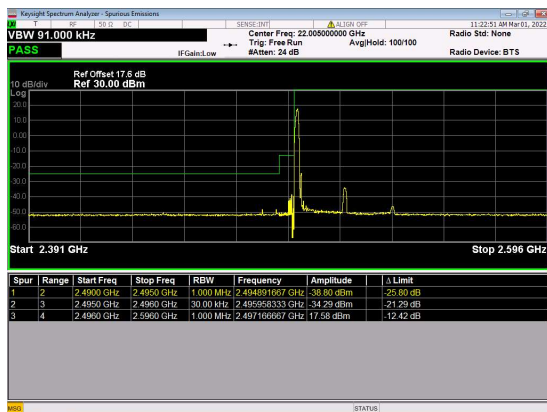
n41(30M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_  
High\_CH



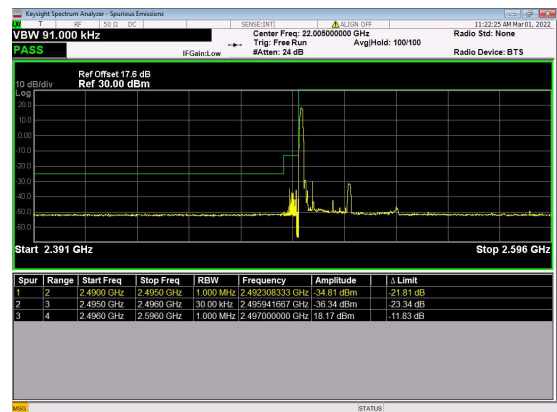
n41(30M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_  
High\_CH



n41(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_  
Left\_Low\_CH



n41(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_  
Left\_Low\_CH





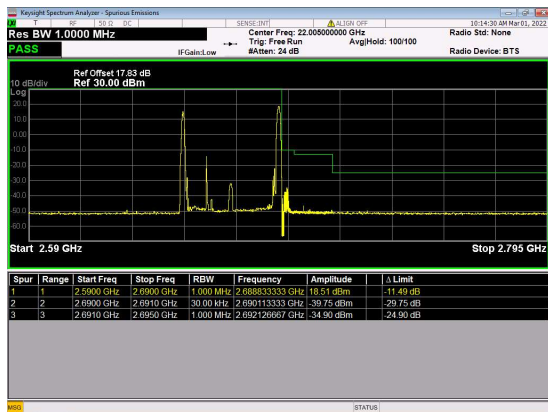
n41(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_  
Low\_CH



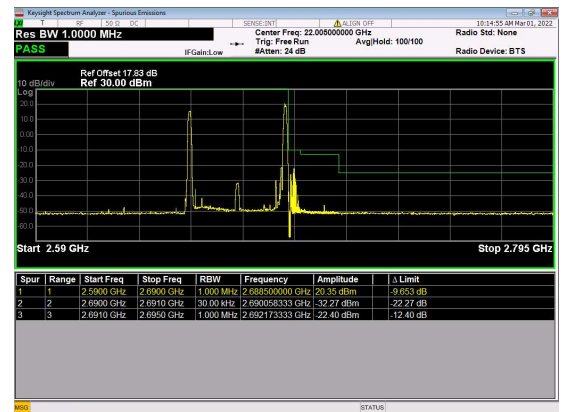
n41(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_  
Low\_CH



n41(40M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_  
Right\_High\_CH



n41(40M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_  
Right\_High\_CH



n41(40M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_  
High\_CH



n41(40M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_  
High\_CH

