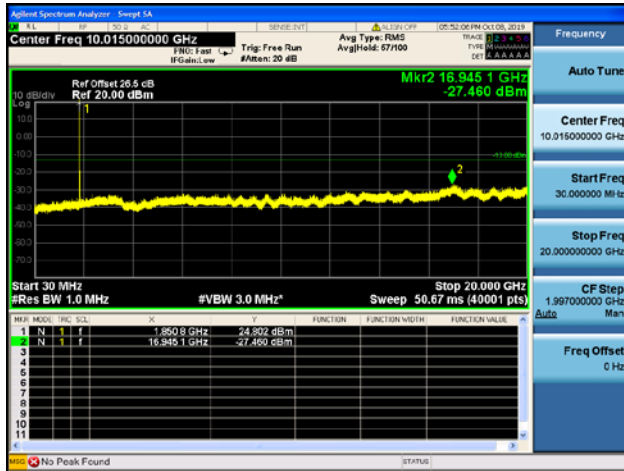
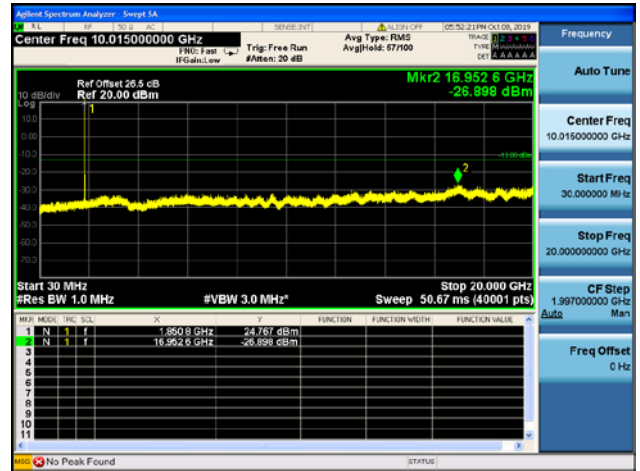




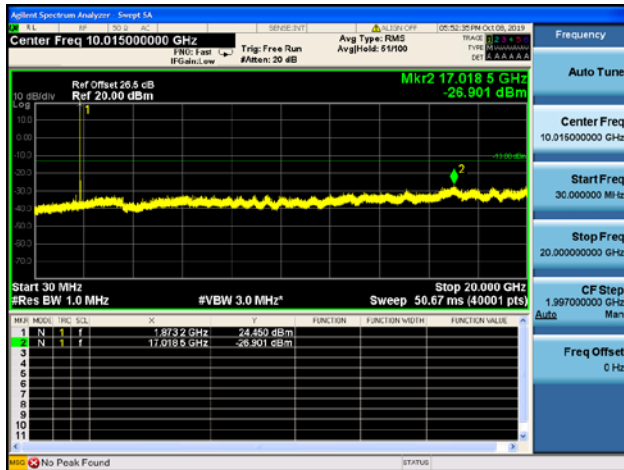
**Band25 / 20MHz / Low CH / QPSK**



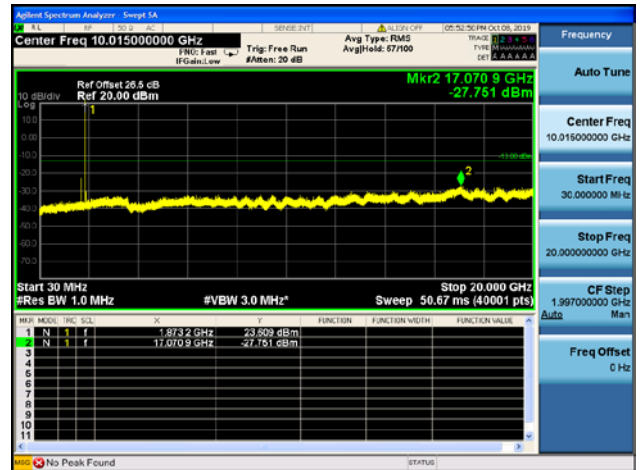
**Band25 / 20MHz / Low CH / 16QAM**



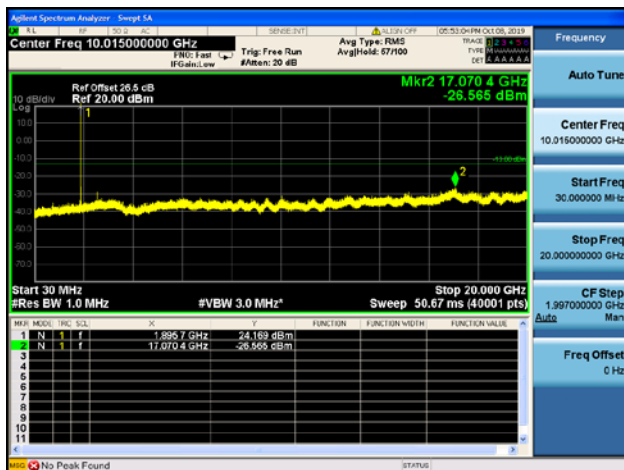
**Band25 / 20MHz / Mid CH / QPSK**



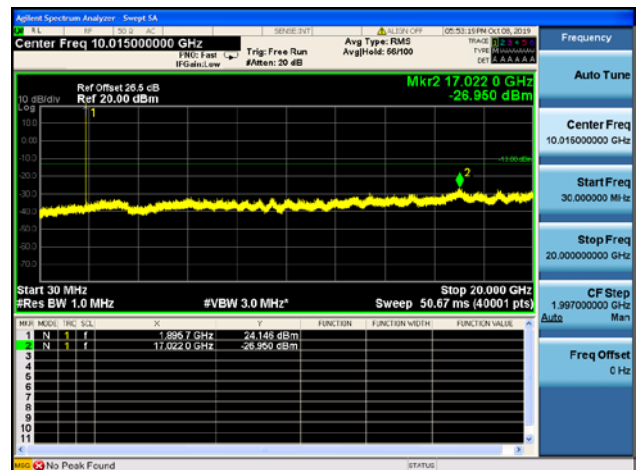
**Band25 / 20MHz / Mid CH / 16QAM**



**Band25 / 20MHz / High CH / QPSK**



**Band25 / 20MHz / High CH / 16QAM**





## 2.6. Band Edge

### 2.6.1. Requirement

According to FCC section 22.917(a), 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 24.238(a), 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(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  $43 + 10 \log(P)$  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.

According to FCC section 27.53(h), For operations in the 1710–1755MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log_{10}(P)$  dB.

According to FCC section 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.





#### 2.6.4. Test Result

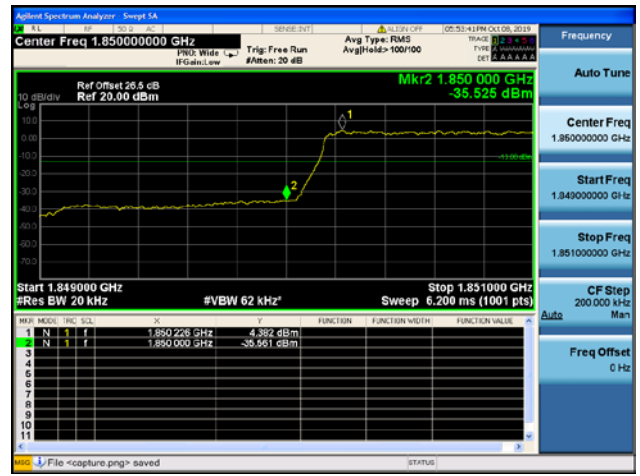
The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.



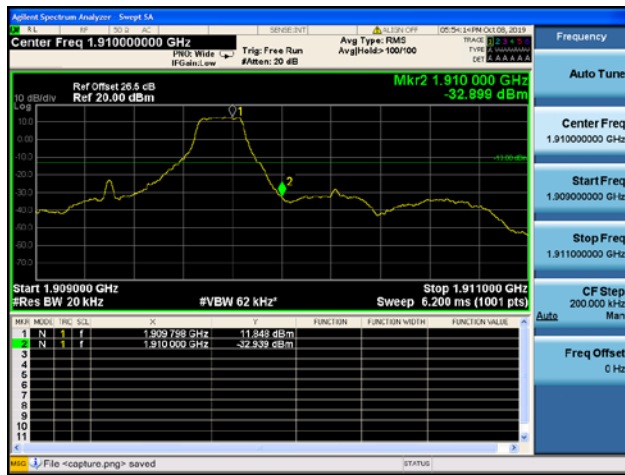
**Band2 / 1.4MHz / Low CH / QPSK / 1 RB**



**Band2 / 1.4MHz / Low CH / QPSK / FULL RB**



**Band2 / 1.4MHz / High CH / QPSK / 1 RB**

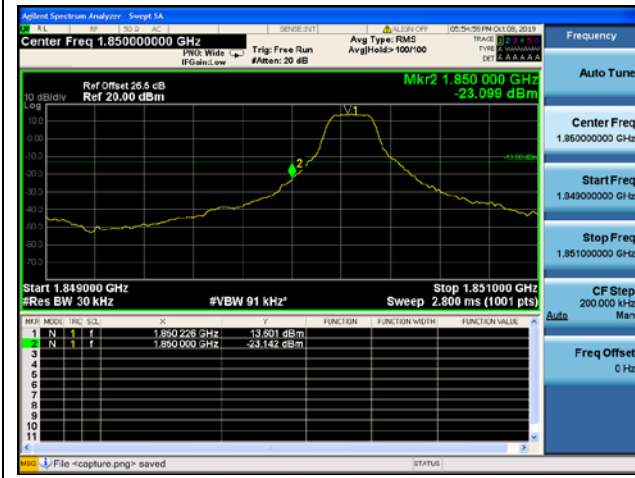


**Band2 / 1.4MHz / High CH / QPSK / FULL RB**

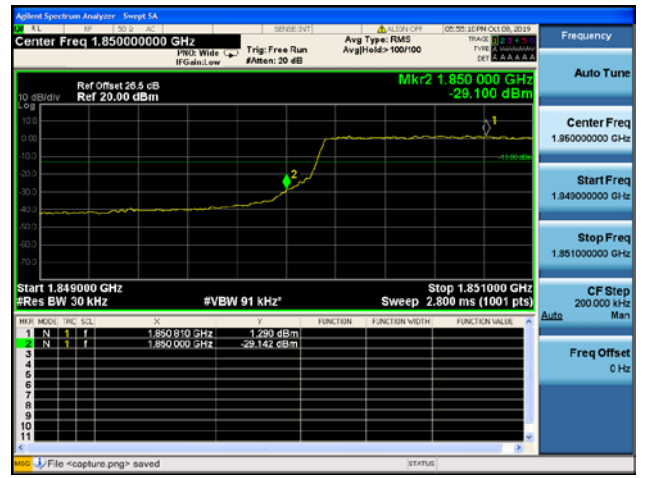




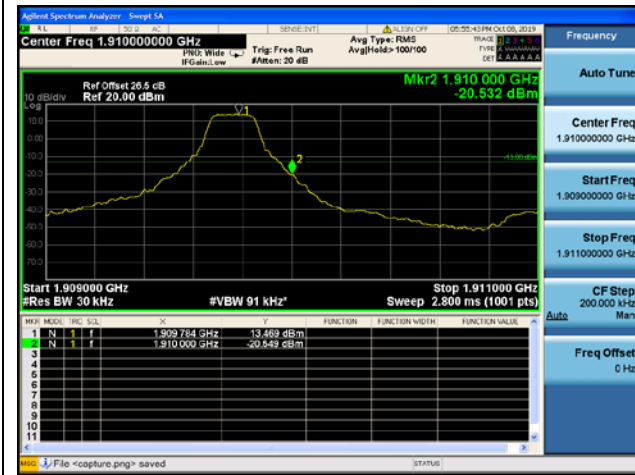
**Band2 / 3MHz / Low CH / QPSK / 1 RB**



**Band2 / 3MHz / Low CH / QPSK / FULL RB**



**Band2 / 3MHz / High CH / QPSK / 1 RB**



**Band2 / 3MHz / High CH / QPSK / FULL RB**





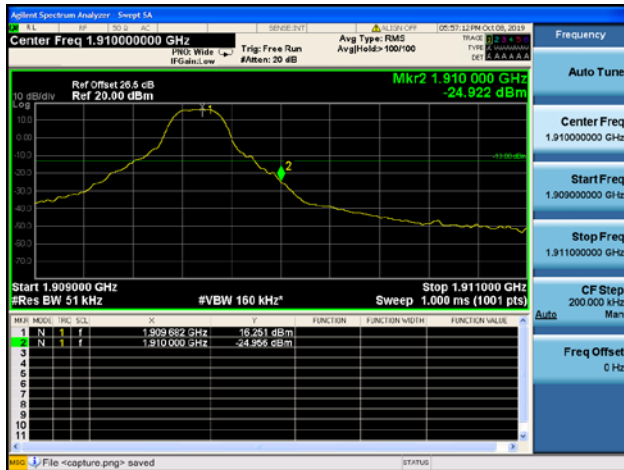
**Band2 / 5MHz / Low CH / QPSK / 1 RB**



**Band2 / 5MHz / Low CH / QPSK / FULL RB**



**Band2 / 5MHz / High CH / QPSK / 1 RB**



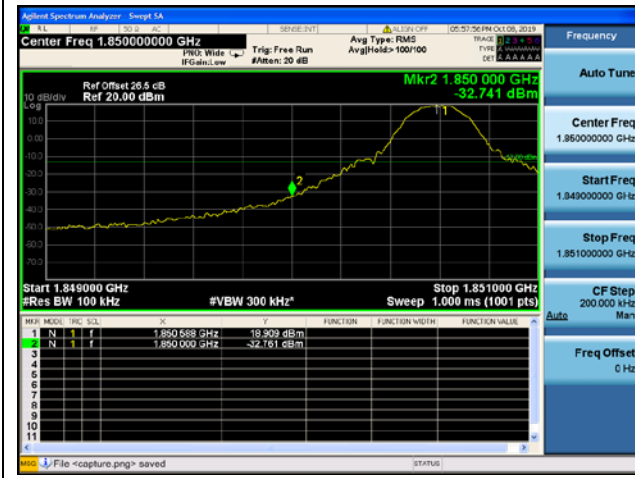
**Band2 / 5MHz / High CH / QPSK / FULL RB**



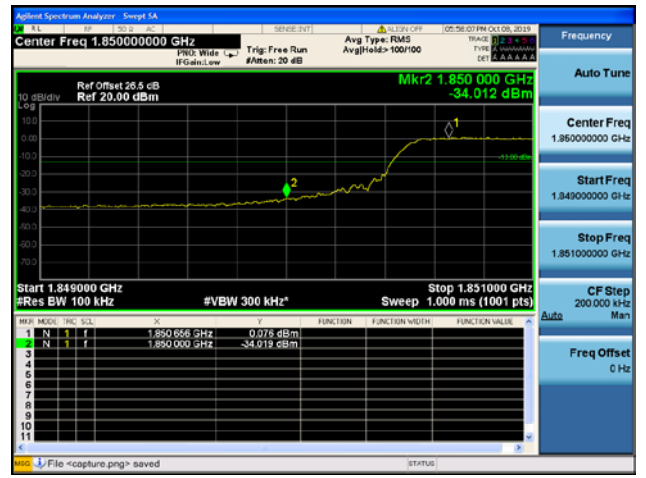




**Band2 / 10MHz / Low CH / QPSK / 1 RB**



**Band2 / 10MHz / Low CH / QPSK / FULL RB**



**Band2 / 10MHz / High CH / QPSK / 1 RB**

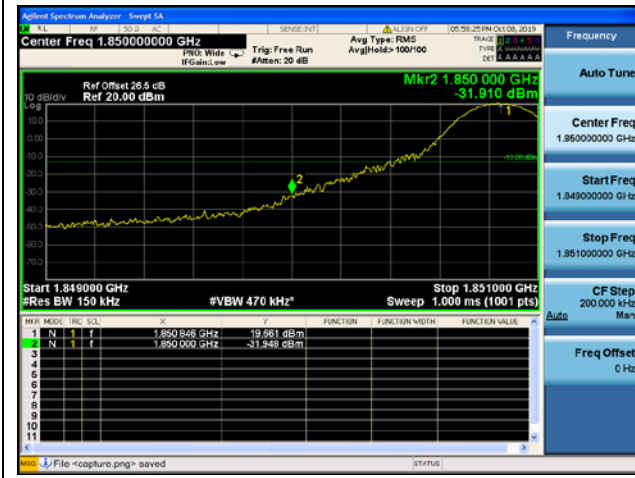


**Band2 / 10MHz / High CH / QPSK / FULL RB**

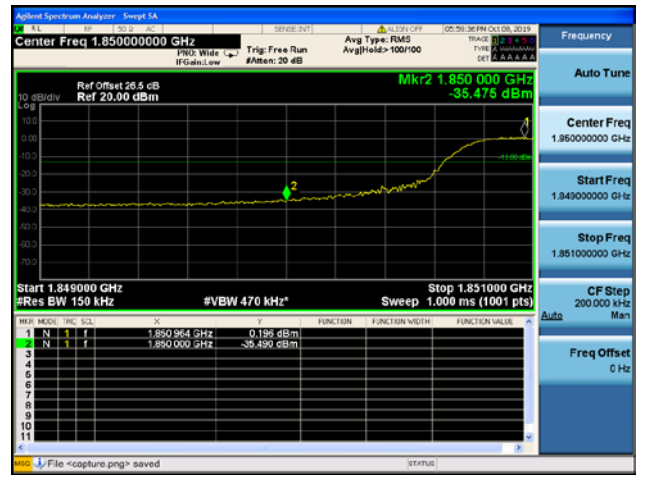




**Band2 / 15MHz / Low CH / QPSK / 1 RB**



**Band2 / 15MHz / Low CH / QPSK / FULL RB**



**Band2 / 15MHz / High CH / QPSK / 1 RB**



**Band2 / 15MHz / High CH / QPSK / FULL RB**





**Band2 / 20MHz / Low CH / QPSK / 1 RB**



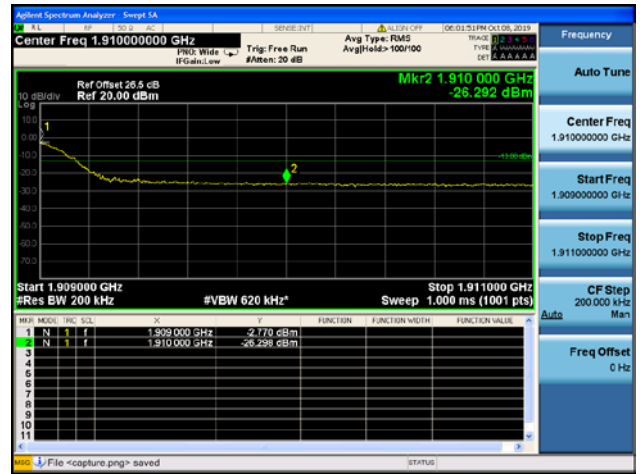
**Band2 / 20MHz / Low CH / QPSK / FULL RB**



**Band2 / 20MHz / High CH / QPSK / 1 RB**



**Band2 / 20MHz / High CH / QPSK / FULL RB**





**Band4 / 1.4MHz / Low CH / QPSK / 1 RB**



**Band4 / 1.4MHz / Low CH / QPSK / FULL RB**



**Band4 / 1.4MHz / High CH / QPSK / 1 RB**

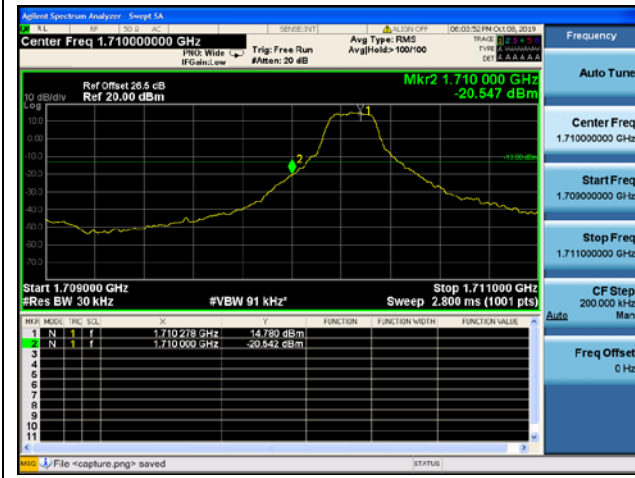


**Band4 / 1.4MHz / High CH / QPSK / FULL RB**

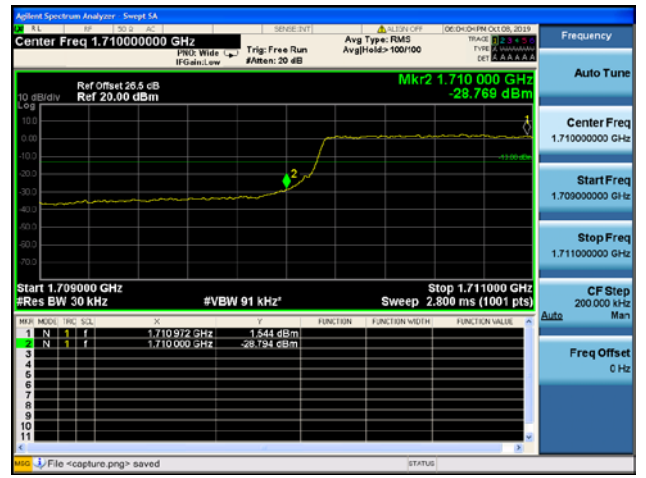




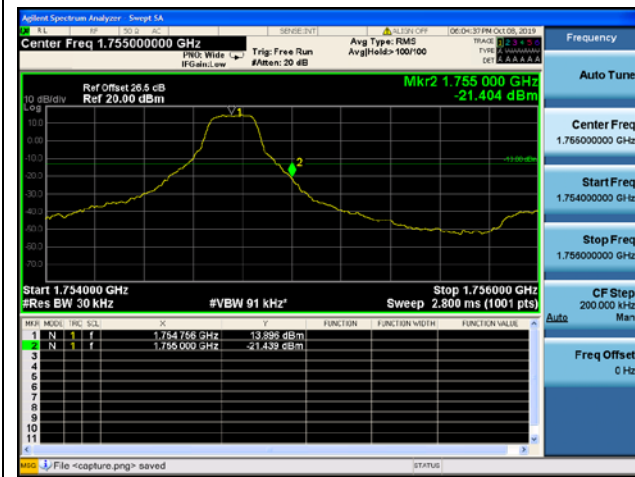
**Band4 / 3MHz / Low CH / QPSK / 1 RB**



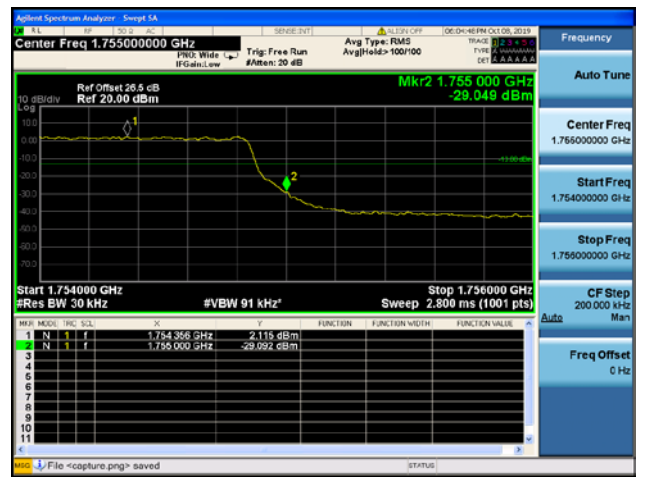
**Band4 / 3MHz / Low CH / QPSK / FULL RB**

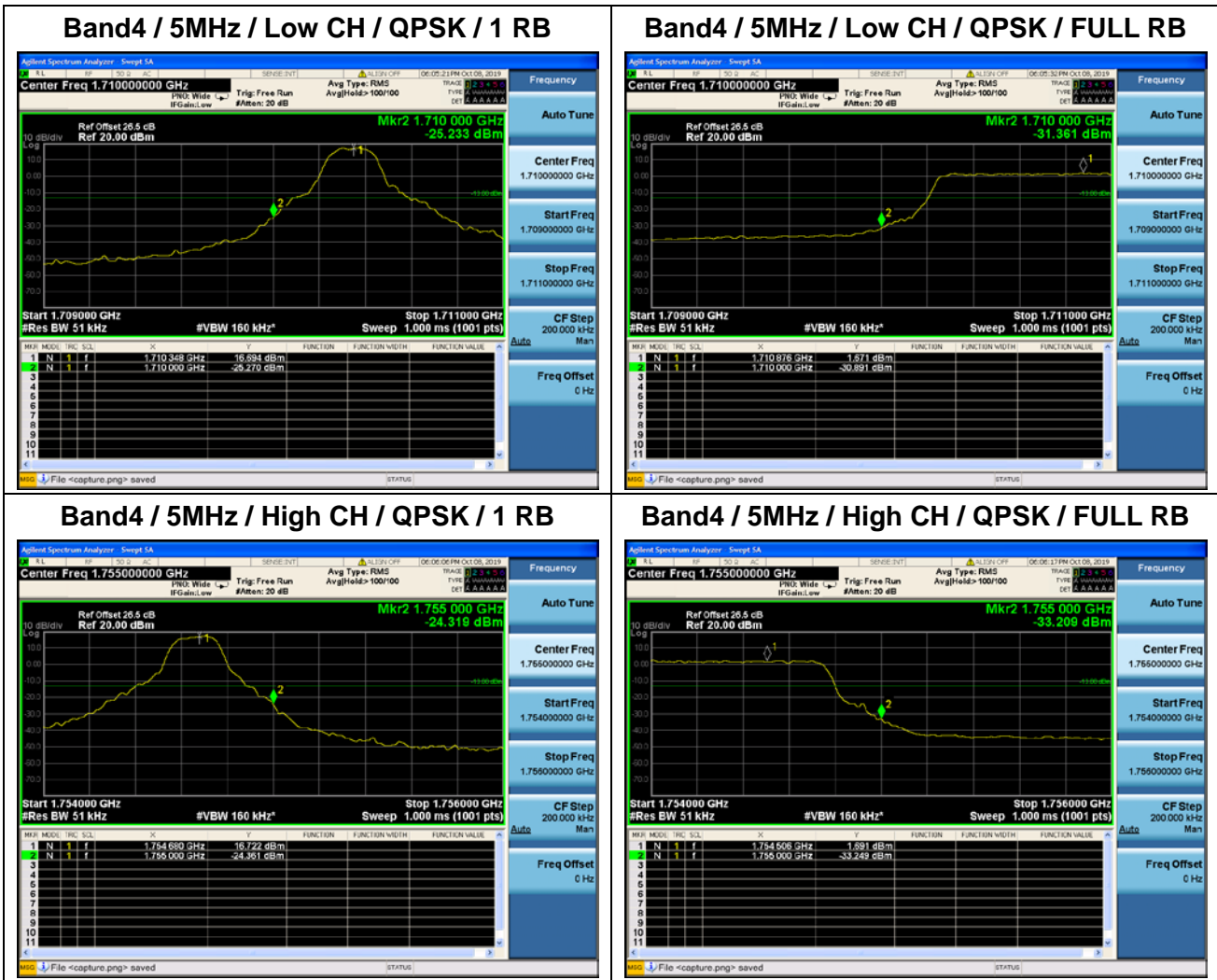


**Band4 / 3MHz / High CH / QPSK / 1 RB**



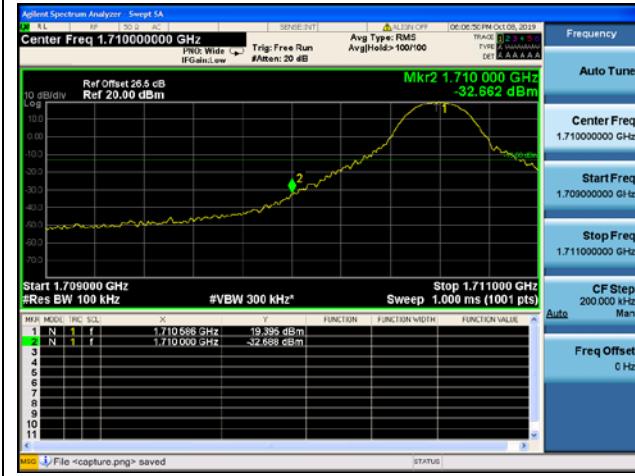
**Band4 / 3MHz / High CH / QPSK / FULL RB**



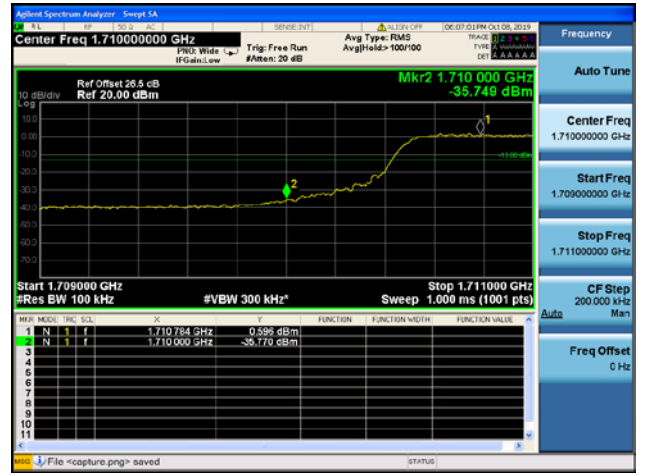




**Band4 / 10MHz / Low CH / QPSK / 1 RB**



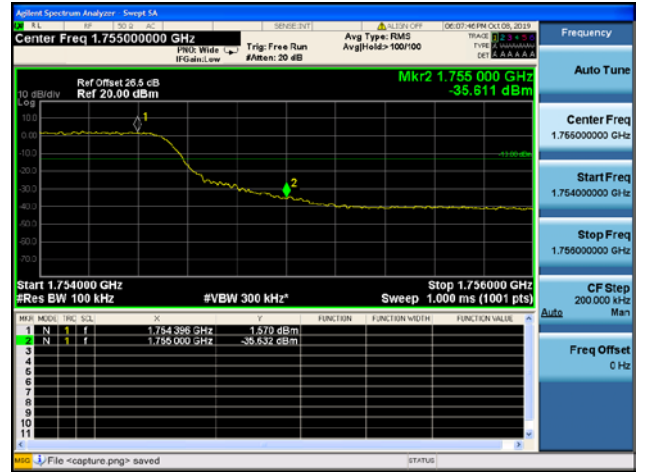
**Band4 / 10MHz / Low CH / QPSK / FULL RB**



**Band4 / 10MHz / High CH / QPSK / 1 RB**



**Band4 / 10MHz / High CH / QPSK / FULL RB**





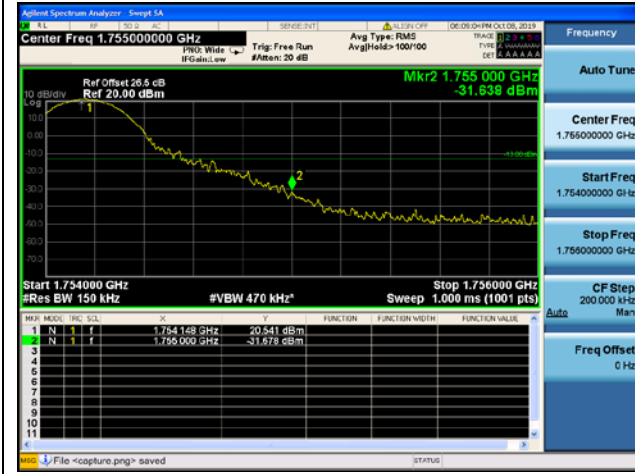
**Band4 / 15MHz / Low CH / QPSK / 1 RB**



**Band4 / 15MHz / Low CH / QPSK / FULL RB**



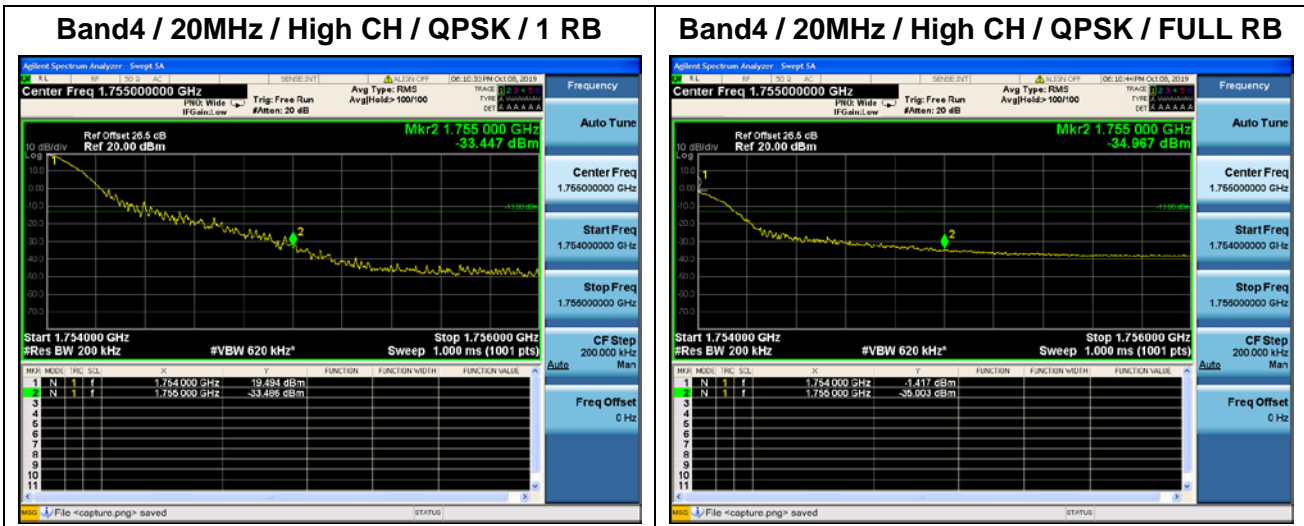
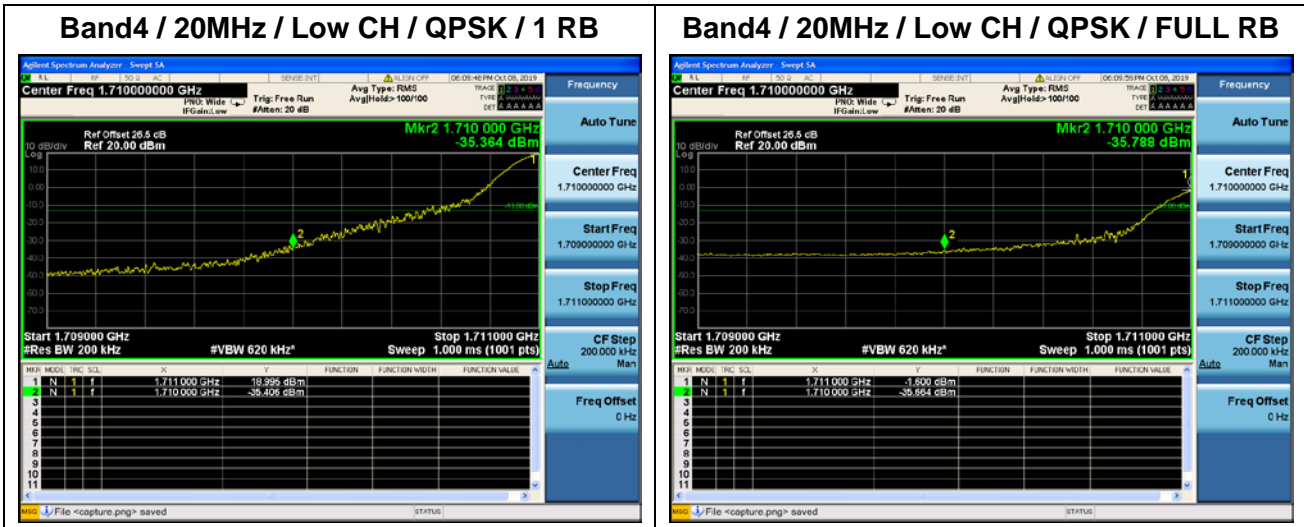
**Band4 / 15MHz / High CH / QPSK / 1 RB**



**Band4 / 15MHz / High CH / QPSK / FULL RB**

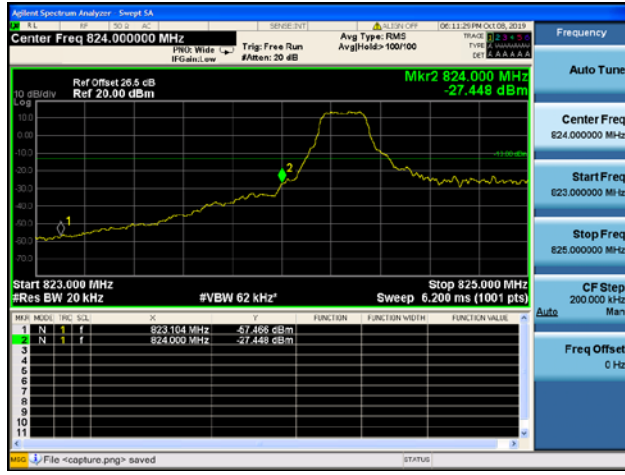




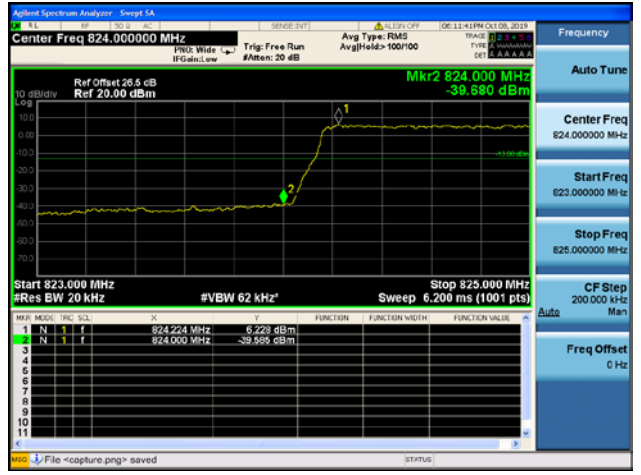




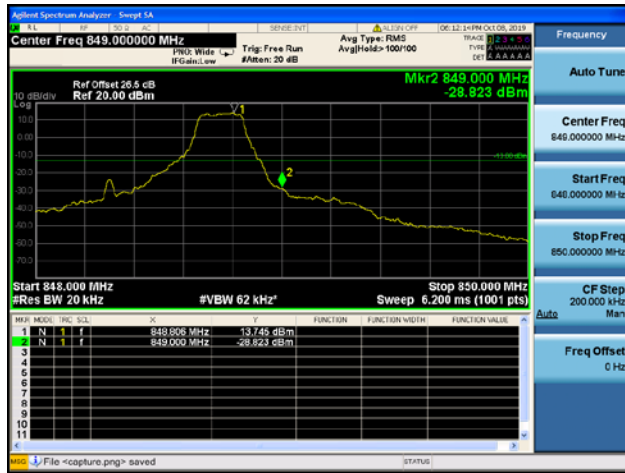
**Band5 / 1.4MHz / Low CH / QPSK / 1 RB**



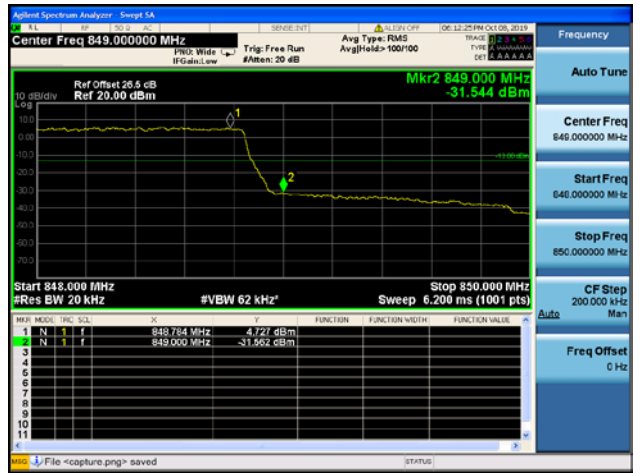
**Band5 / 1.4MHz / Low CH / QPSK / FULL RB**



**Band5 / 1.4MHz / High CH / QPSK / 1 RB**

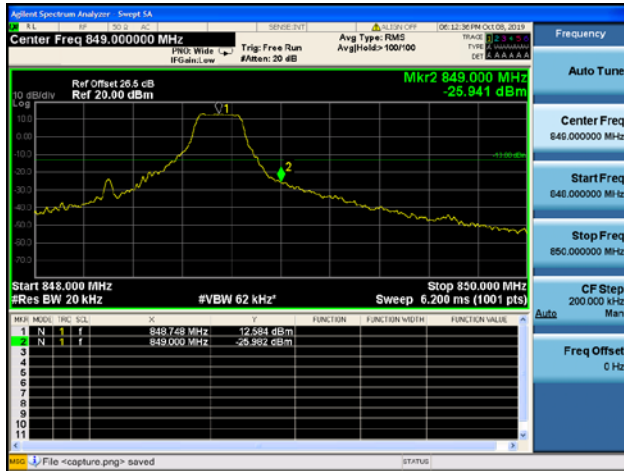


**Band5 / 1.4MHz / High CH / QPSK / FULL RB**





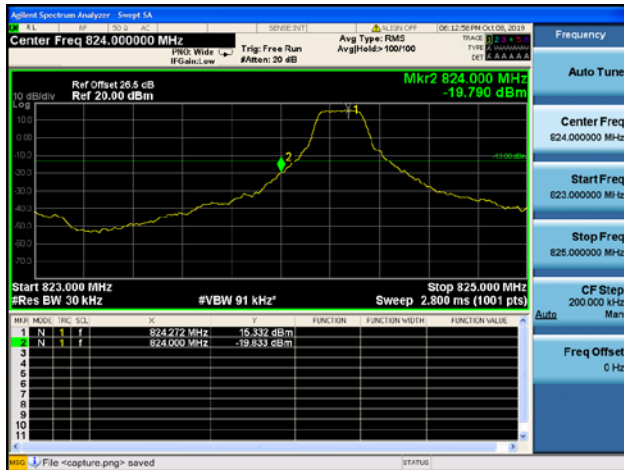
**Band5 / 1.4MHz / High CH / 16QAM / 1 RB**



**Band5 / 1.4MHz / High CH / 16QAM / FULL RB**



**Band5 / 3MHz / Low CH / QPSK / 1 RB**



**Band5 / 3MHz / Low CH / QPSK / FULL RB**

