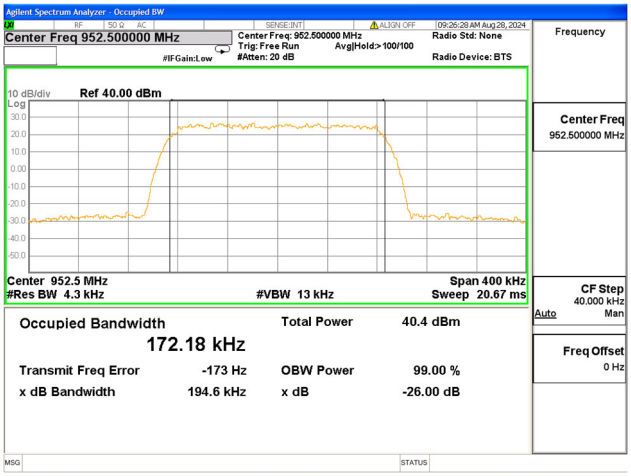
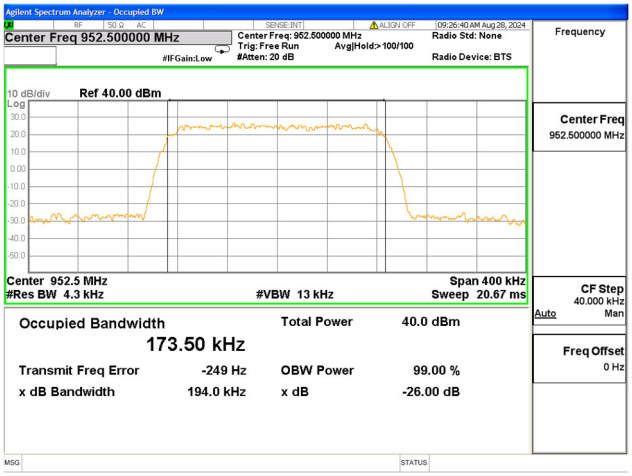
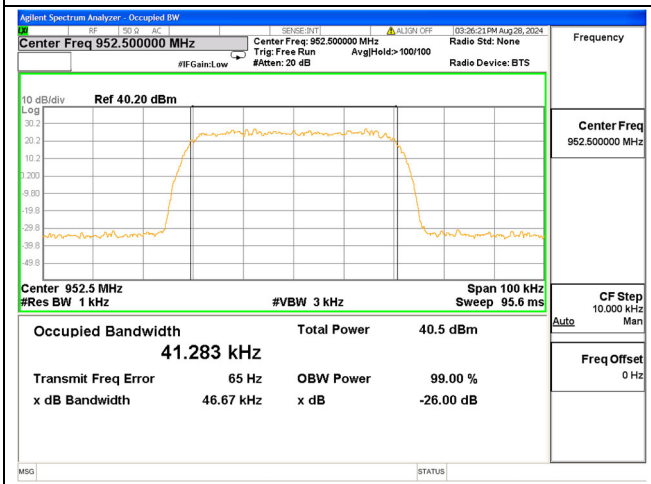
## 952.5MHz/Channel H/200.0 kHz/64QAM



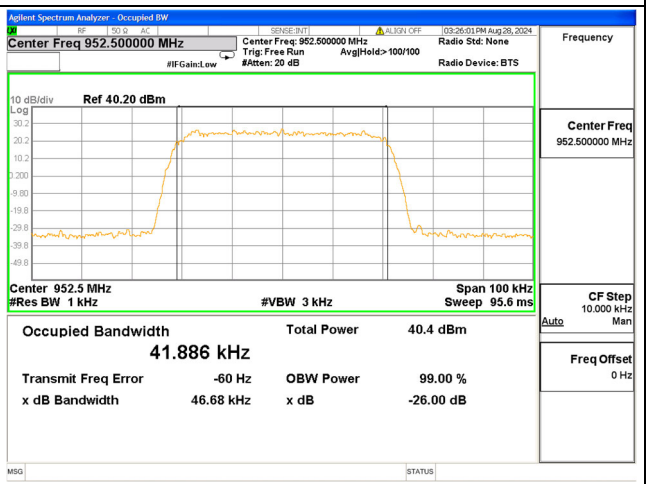

## 952.5MHz/Channel H/200.0 kHz/256QAM



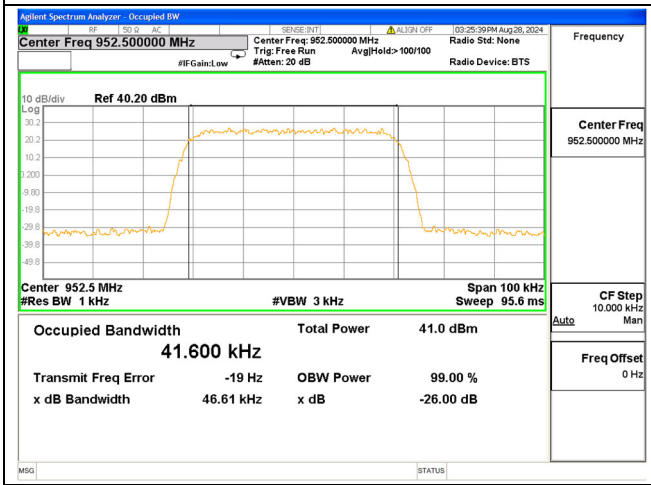

## 952.5MHz/Channel V/50kHz/QPSK



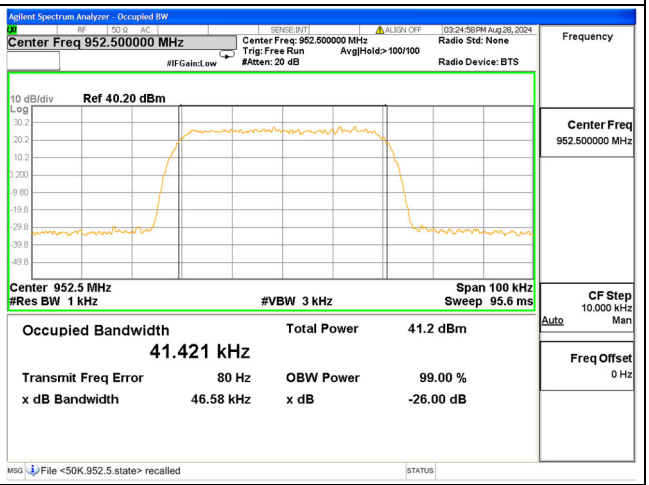

## 952.5MHz/Channel V/50kHz/16QAM



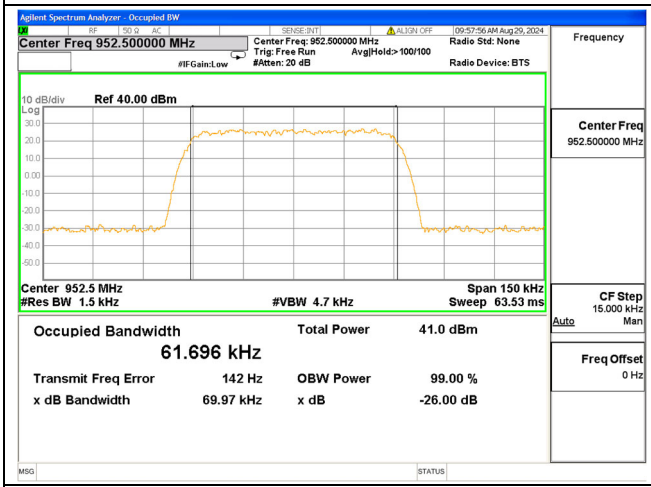

## 952.5MHz/Channel V/50kHz/64QAM



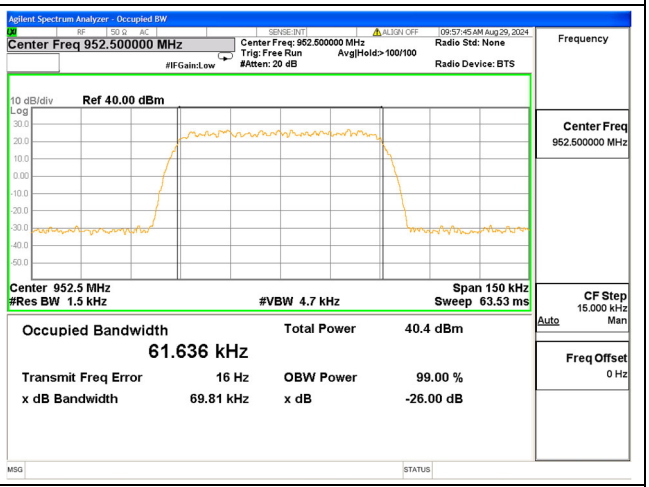

## 952.5MHz/Channel V/50kHz/256QAM



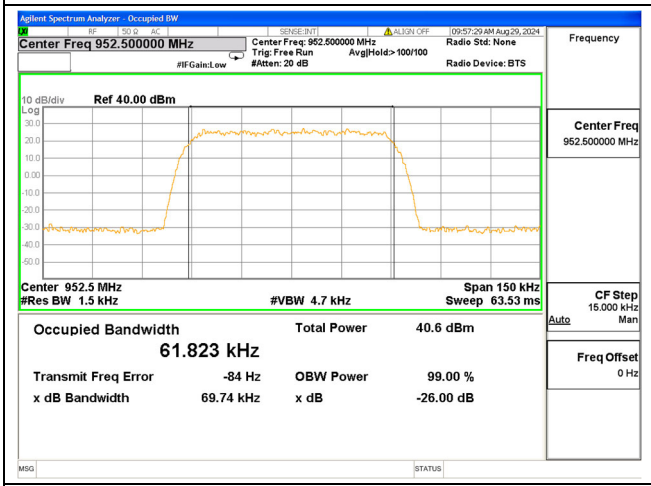
## 952.5MHz/Channel V/75.0kHz/QPSK



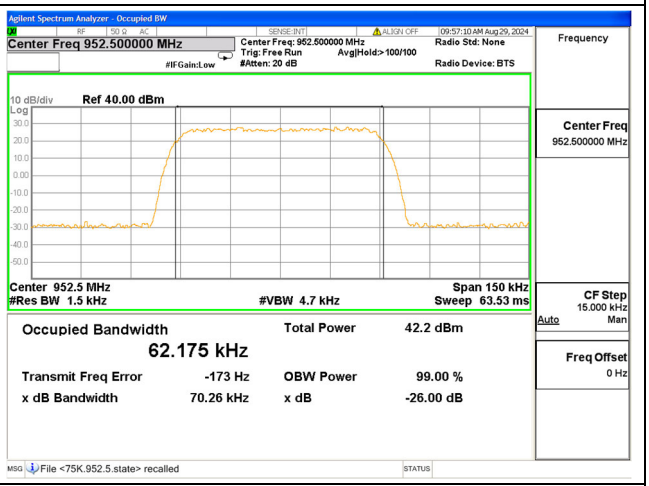

## 952.5MHz/Channel V/75.0 kHz/16QAM



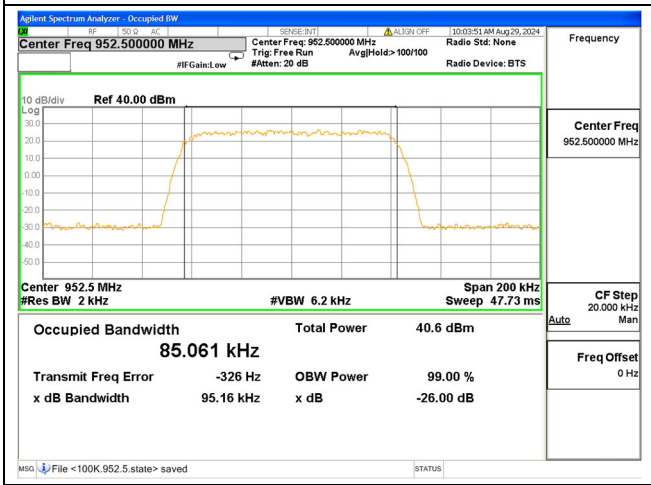

## 952.5MHz/Channel V/75.0 kHz/64QAM



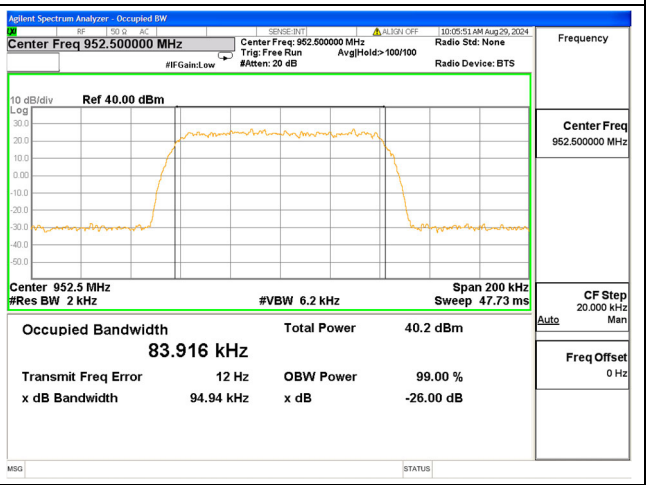

## 952.5MHz/Channel V/75.0 kHz/256QAM



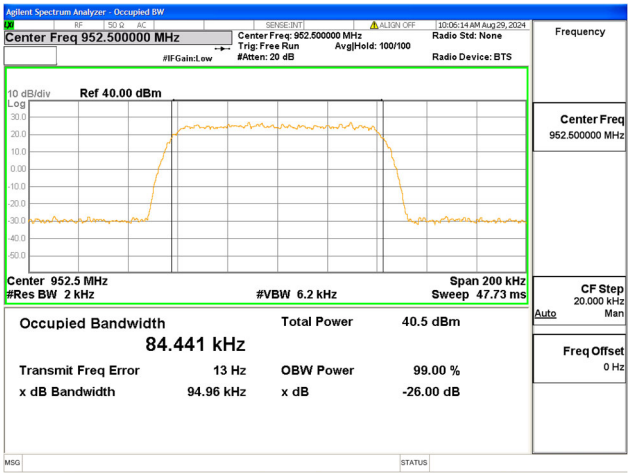

## 952.5MHz/Channel V/100.0 kHz/QPSK



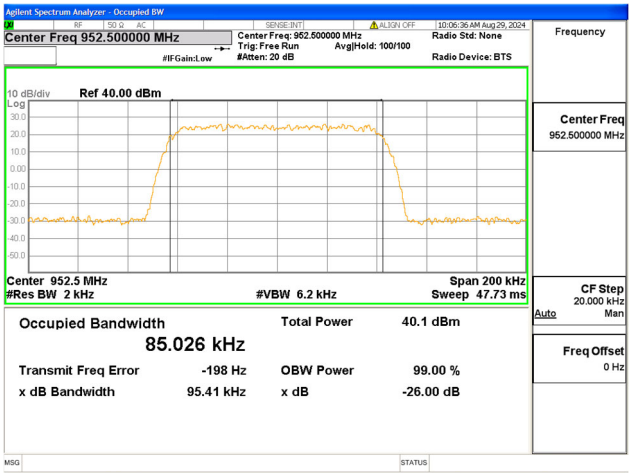

## 952.5MHz/Channel V/100.0 kHz/16QAM



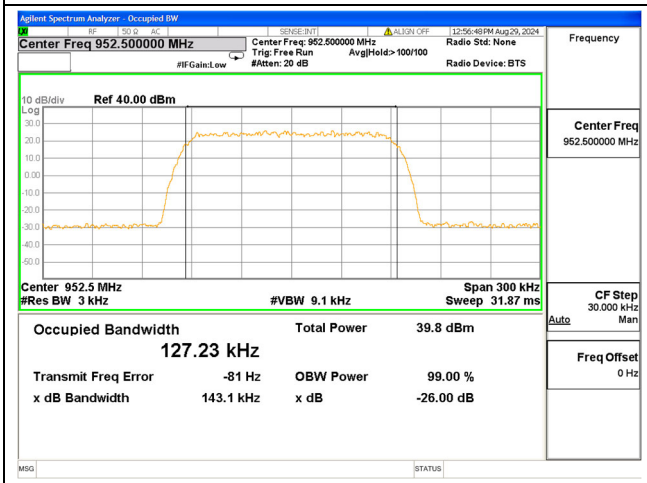
## 952.5MHz/Channel V/100.0 kHz/64QAM



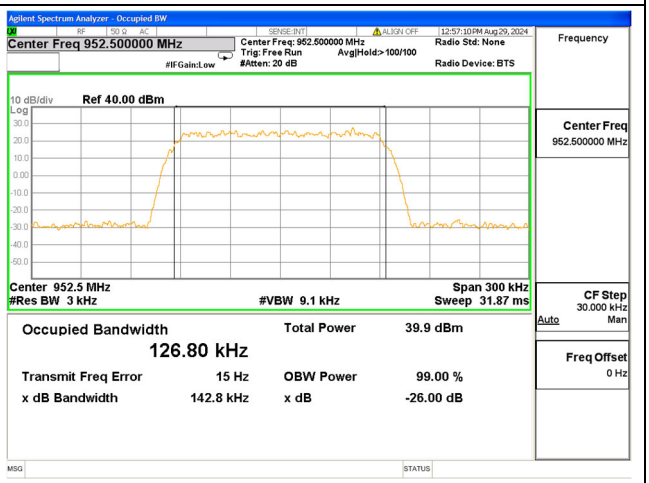

## 952.5MHz/Channel V/100.0 kHz/256QAM



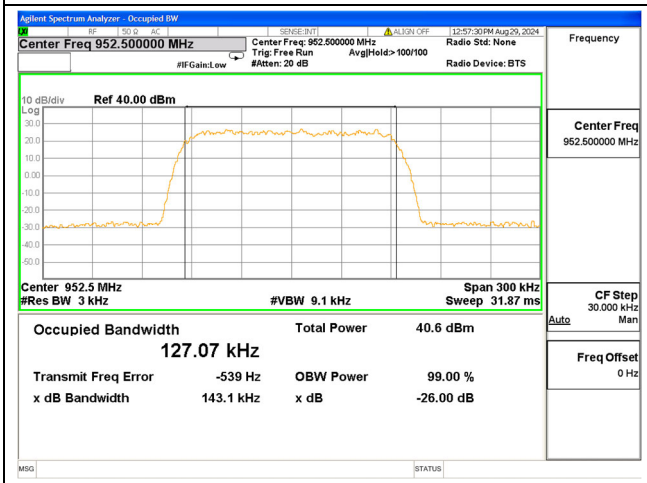

## 952.5MHz/Channel V/150.0 kHz/QPSK



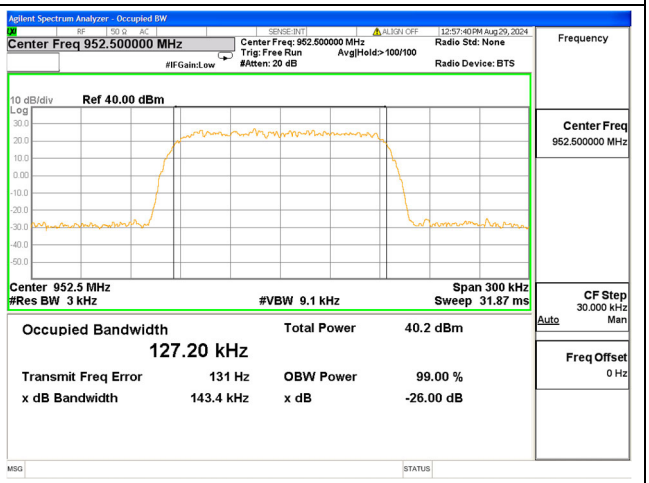

## 952.5MHz/Channel V/150.0 kHz/16QAM



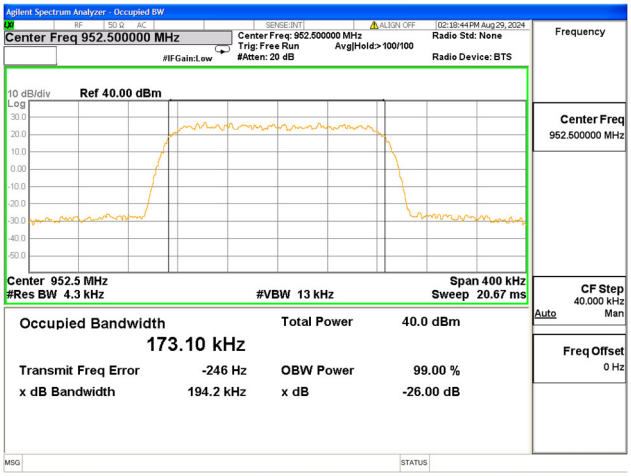

## 952.5MHz/Channel V/150.0 kHz/64QAM



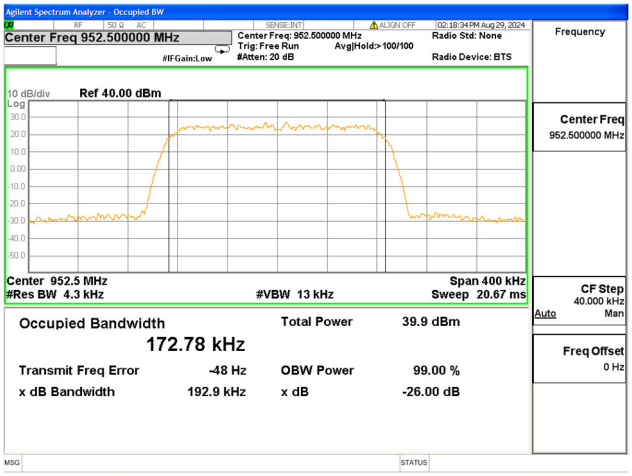

## 952.5MHz/Channel V/150.0 kHz/256QAM



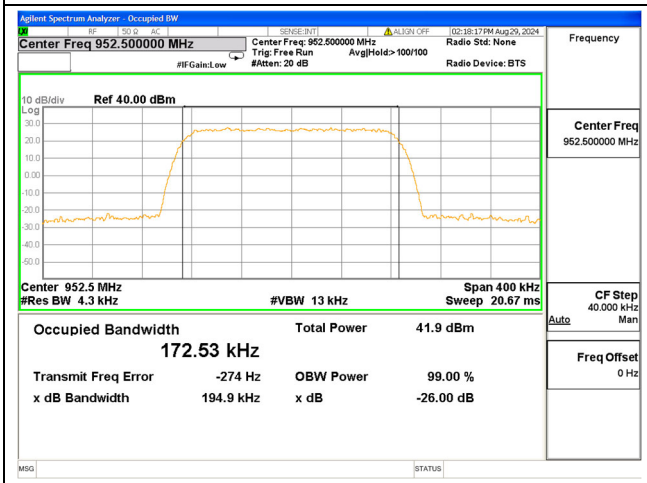
## 952.5MHz/Channel V/200.0 kHz/QPSK



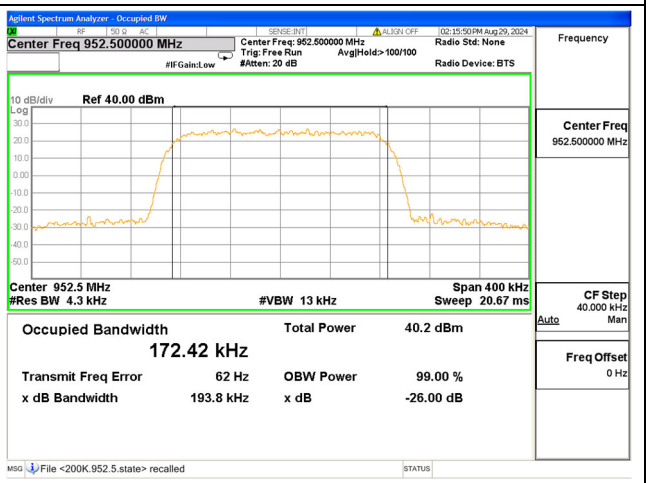

## 952.5MHz/Channel V/200.0 kHz/16QAM




## 952.5MHz/Channel V/200.0 kHz/64QAM




## 952.5MHz/Channel V/200.0 kHz/256QAM



## 2.3. Spurious Emissions at Antenna Terminals

### 2.3.1. Test Requirement

According to FCC section 2.1051, 10.111 section

When using transmissions employing digital modulation techniques on the 900 MHz multiple address frequencies with a 12.5 KHz bandwidth, the power of any emission must be attenuated below the unmodulated carrier power of the transmitter (P) in accordance with the following schedule:

(i) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in KHz) of more than 2.5 KHz up to and including 6.25 KHz: At least 53 $\log_{10}$ (fd/2.5) decibels;

(ii) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in KHz) of more than 6.25 KHz up to and including 9.5 KHz: At least 103 $\log_{10}$ (fd/3.9) decibels;

(iii) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in KHz) of more than 9.5 KHz up to and including 15 KHz: At least 157 $\log_{10}$ (fd/5.3) decibels; and

(iv) On any frequency removed from the center of the authorized bandwidth by a displacement frequency greater than 15 KHz: At least 50 plus 10 $\log_{10}$(P) or 70 decibels, whichever is the lesser attenuation.

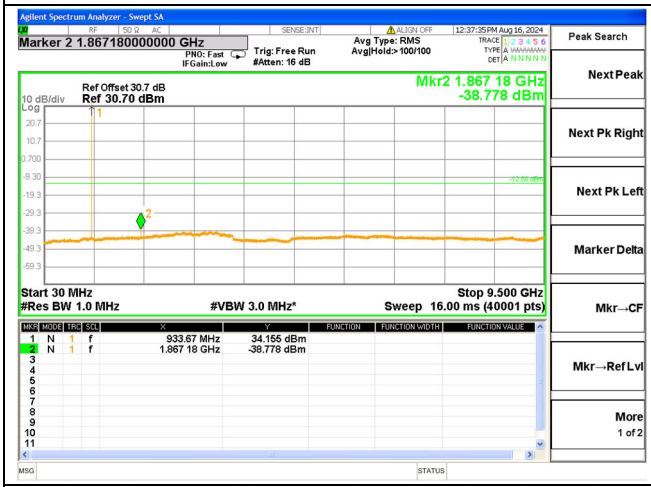
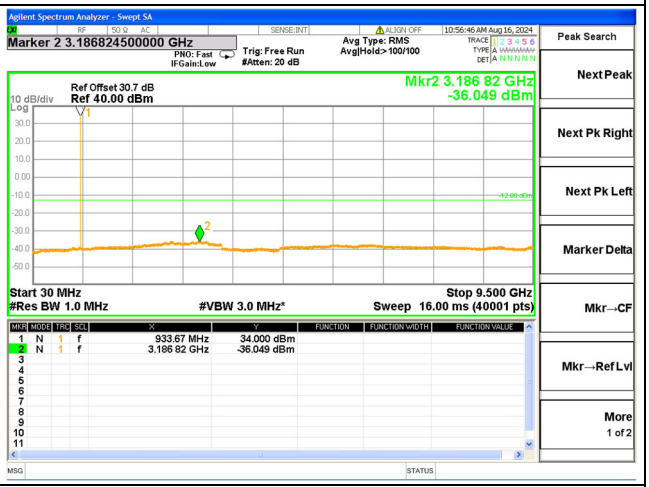
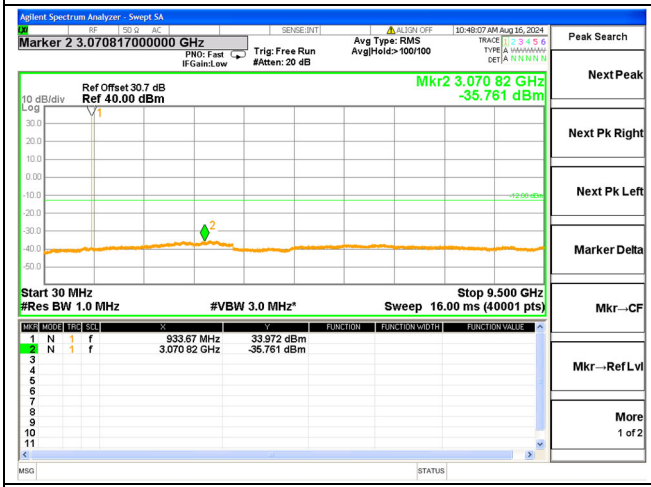
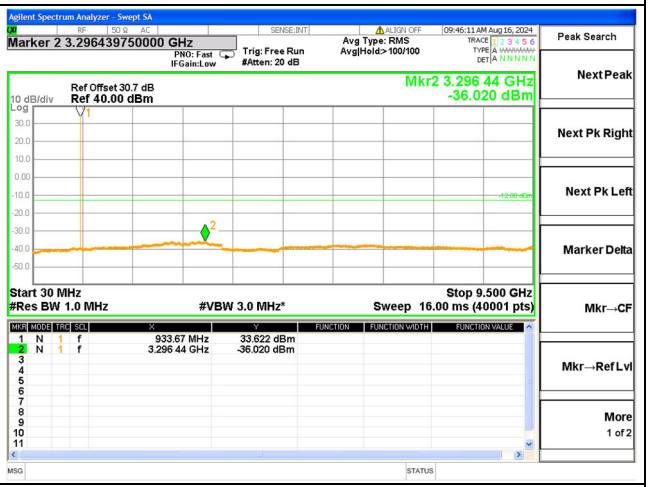
When using transmissions employing digital modulation techniques on the 900 MHz multiple address frequencies with a bandwidth greater than 12.5 KHz, the power of any emission must be attenuated below the unmodulated carrier power of the transmitter (P) in accordance with the following schedule:

(i) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in KHz) of more than 5 KHz up to and including 10 KHz: At least 83 $\log_{10}$ (fd/5) decibels;

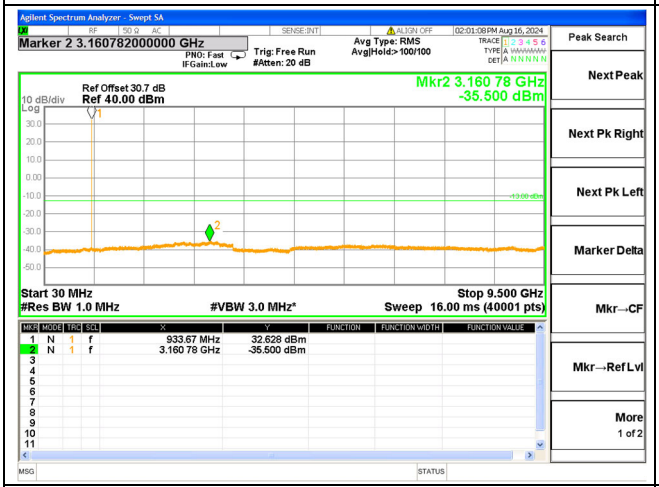
(ii) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in KHz) of more than 10 KHz up to and including 250 percent of the authorized bandwidth: At least 116 $\log_{10}$ (fd/6.1) decibels or 50 plus 10 $\log_{10}$ (P) or 70 decibels, whichever is the lesser attenuation; and

(iii) On any frequency removed from the center of the authorized bandwidth by more that 250 percent of the authorized bandwidth: At least 43 plus 10 $\log_{10}$ (output power in watts) decibels or 80 decibels, whichever is the lesser attenuation.

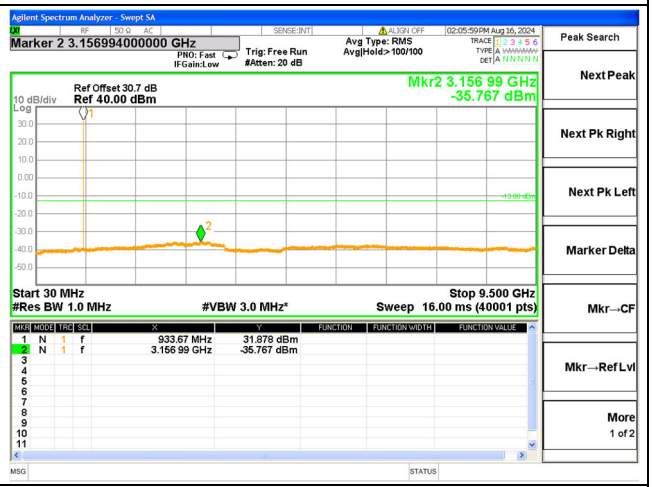
### 2.3.2. Test Resul

| 933.5 MHz | |
|---|---|
| **50kHz/QPSK H** | **75kHz/QPSK H** |
|  |  |
| **100kHz/QPSK H** | **150kHz/QPSK H** |
|  |  |
| **200kHz/QPSK H** | **50kHz/QPSK V** |
| | |

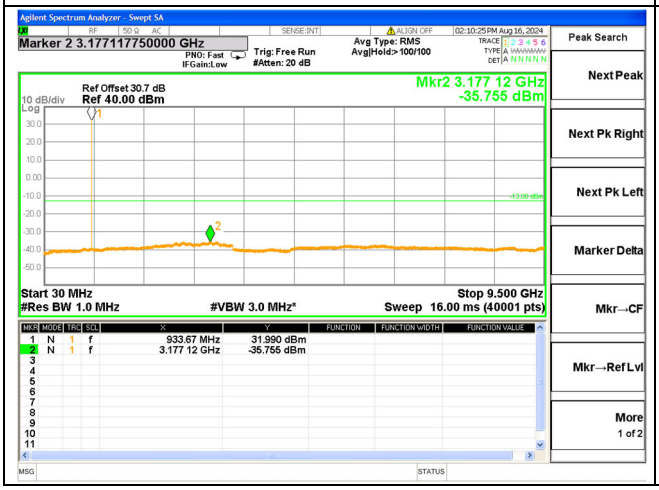
## 75kHz/QPSK V

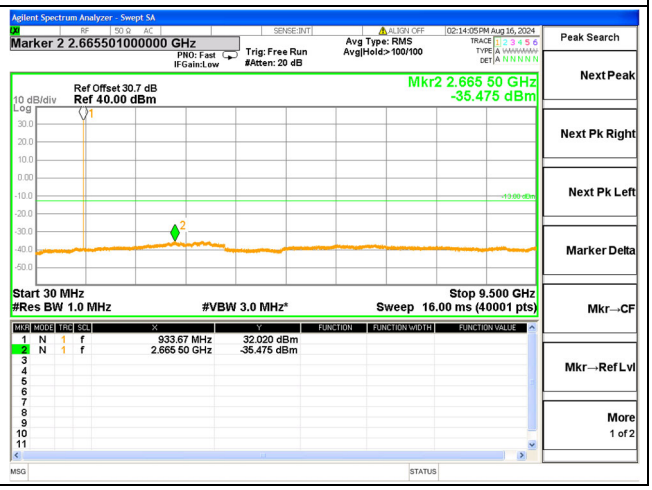



## 100kHz/QPSK V




## 150kHz/QPSK V




## 200kHz/QPSK V