







REPORT No.: SZ24070282W01

**MORLAB**

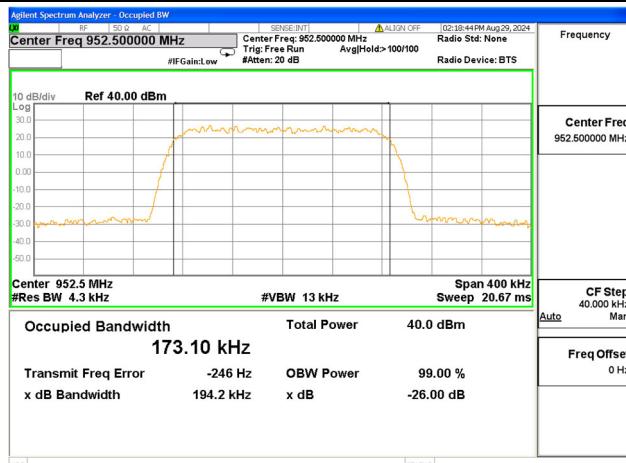
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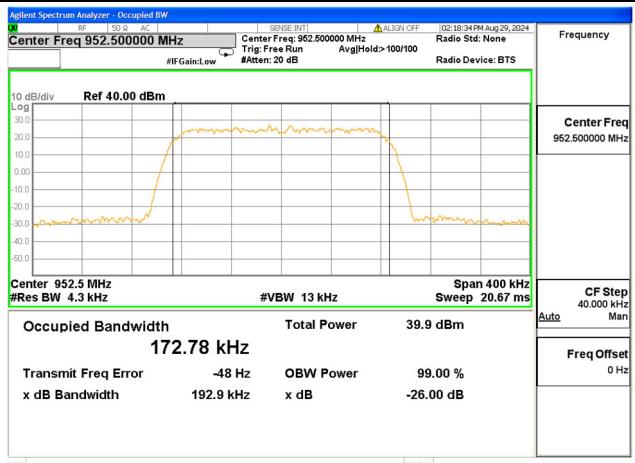


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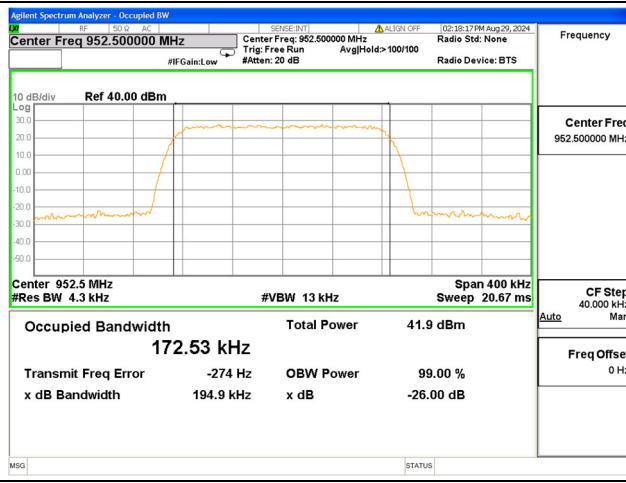
**952.5MHz/Channel V/200.0 kHz/QPSK**



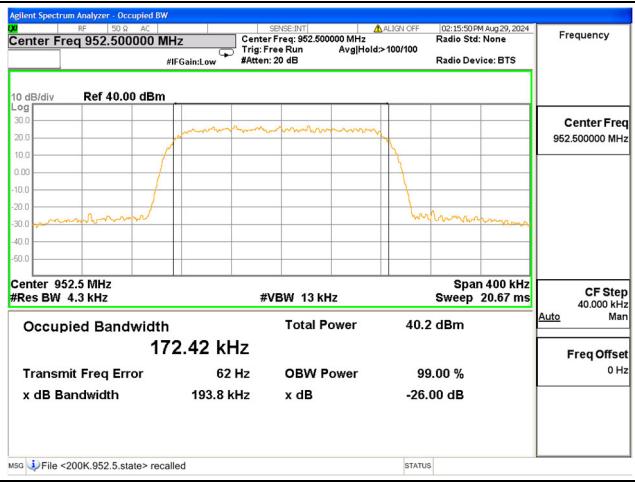
952.5MHz/Channel V/200.0 kHz/16QAM



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 than 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 Result

