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**EXHIBIT 6 - (Addendum) OCCUPIED BANDWIDTH pursuant to PS Docket No. 13-209 relating to digital transmissions the 800 MHz NPSPAC Public Safety Band**

Sample plots are provided for DMR Voice only and DMR Voice and Data. The following DMR emission designators are described in the original filing and are spectrally equivalent to the ones provided.

- 7K60F1E
- 7K60F1D
- 7K60F1W
- 7K60FXE
- 7K60FXD

**Emission Mask H per FCC part 90.210:**

For transmitters that are not equipped with an audio low-pass filter, the power of any emission must be attenuated below the unmodulated carrier output power (P) as follows:

- (1) On any frequency removed from the center of the authorized bandwidth by a displacement frequency ( $f_d$  in kHz) of 4 kHz or less: **Zero dB**
- (2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency ( $f_d$  in kHz) of more than 4 kHz but no more than 8.5 kHz: **At least  $107 * \log_{10}(f_d / 4)$  dB**
- (3) On any frequency removed from the center of the authorized bandwidth by a displacement frequency ( $f_d$  in kHz) of more than 8.5 kHz, but no more than 15 kHz: **At least  $40.5 \log_{10}(f_d / 1.16)$  dB**
- (4) On any frequency removed from the center of the authorized bandwidth by a displacement frequency ( $f_d$  in kHz) of more than 15 kHz, but no more than 25 kHz: **At least  $116 \log_{10}(f_d / 6.1)$  dB**
- (5) On any frequency removed from the center of the authorized bandwidth by more than 25 kHz: **At least 43 plus  $10 \log_{10}(P)$  dB**

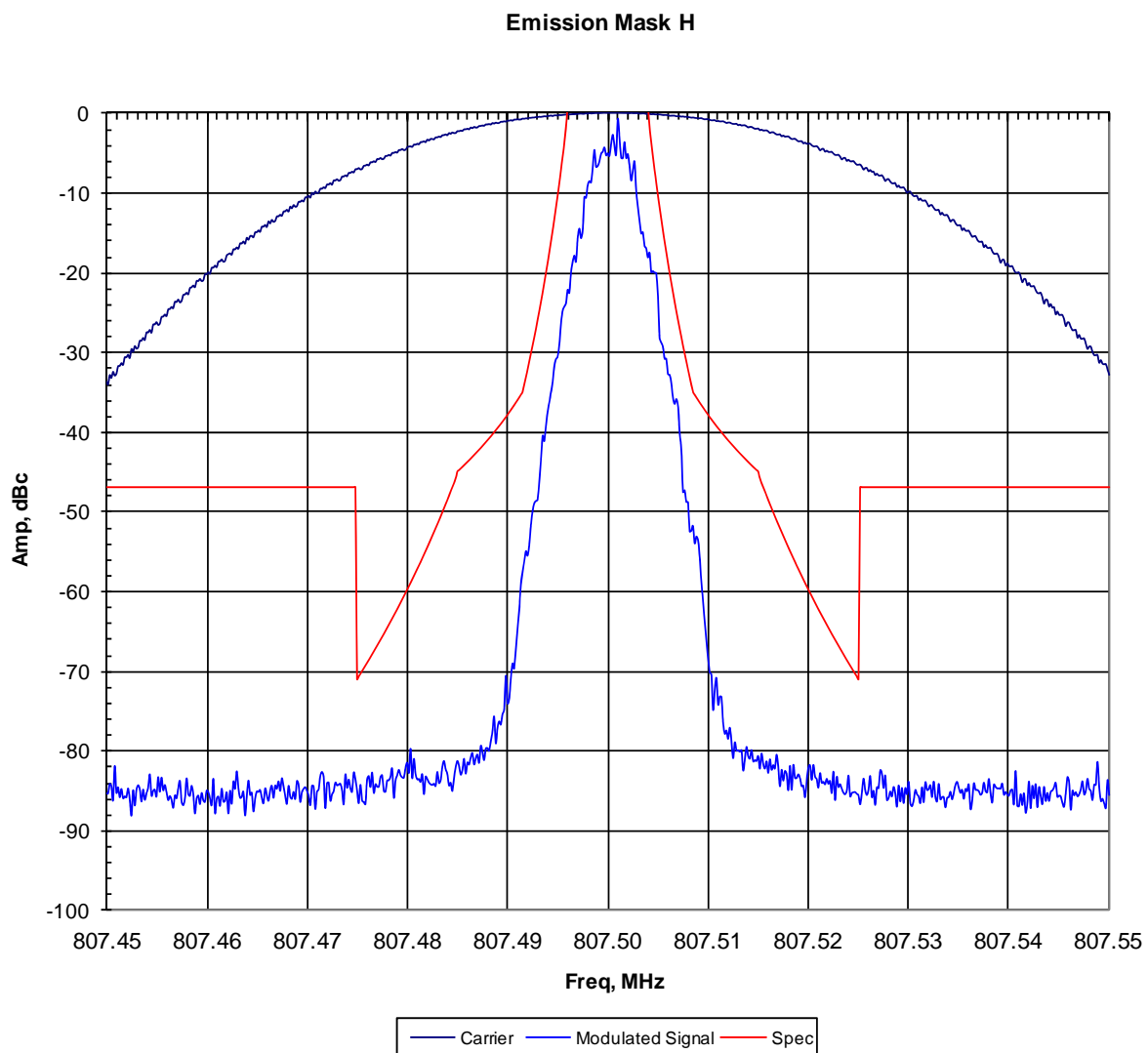
**Power Output**

The referenced transmitter is filed for for 2.5 Watts Maximum Power

**EXHIBIT 6 A - (Addendum) OCCUPIED BANDWIDTH - 807.5 MHz. EMISSION MASK H, Data Only**

CENTER FREQUENCY: 807.5 MHz  
 RESOLUTION BANDWIDTH: 300 Hz  
 VIDEO BANDWIDTH: 1 kHz  
 SPAN: 100 kHz  
 HORIZONTAL SCALE: 10 kHz/div  
 SWEEP TIME: 200 Sec.  
 VERTICAL SCALE: 10 dB/div  
 REFERENCE LEVEL: 0 dB (33.5 dBm = 2.5W)  
 ATTENUATION: 33.5 dB

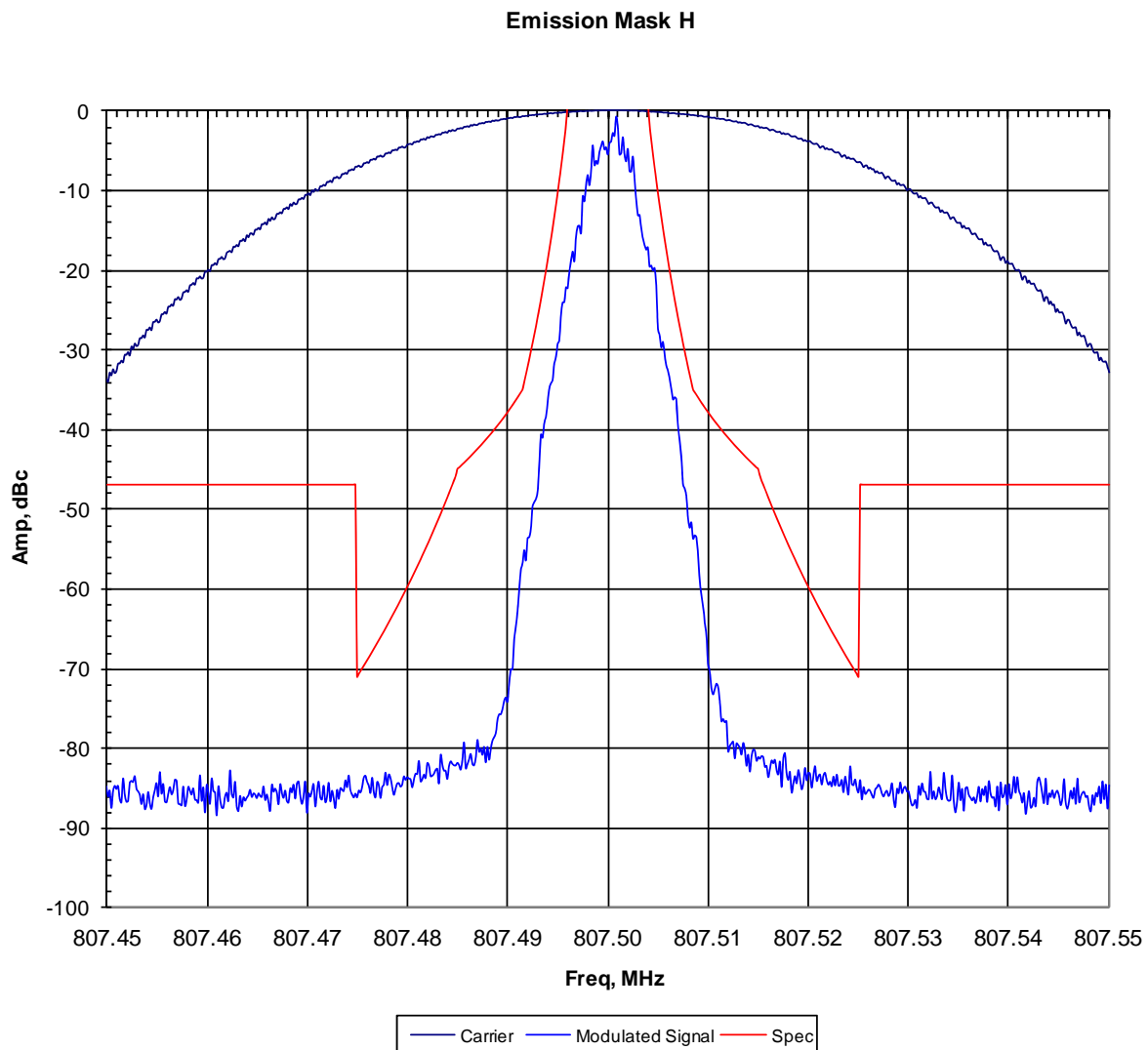
Occupied Bandwidth is measured per TIA603-D: Method 2.2.11 and is pursuant to FCC 2.1049, 90.210



**EXHIBIT 6 B - (Addendum)**
**OCCUPIED BANDWIDTH – 807.5 MHz, EMISSION MASK H, Data and Voice**

CENTER FREQUENCY: 807.5 MHz  
 RESOLUTION BANDWIDTH: 300 Hz  
 VIDEO BANDWIDTH: 1 kHz  
 SPAN: 100 kHz  
 HORIZONTAL SCALE: 10 kHz/div  
 SWEEP TIME: 200 Sec.  
 VERTICAL SCALE: 10 dB/div  
 REFERENCE LEVEL: 0 dB (33.5 dBm = 2.5W)  
 ATTENUATION: 33.5dB

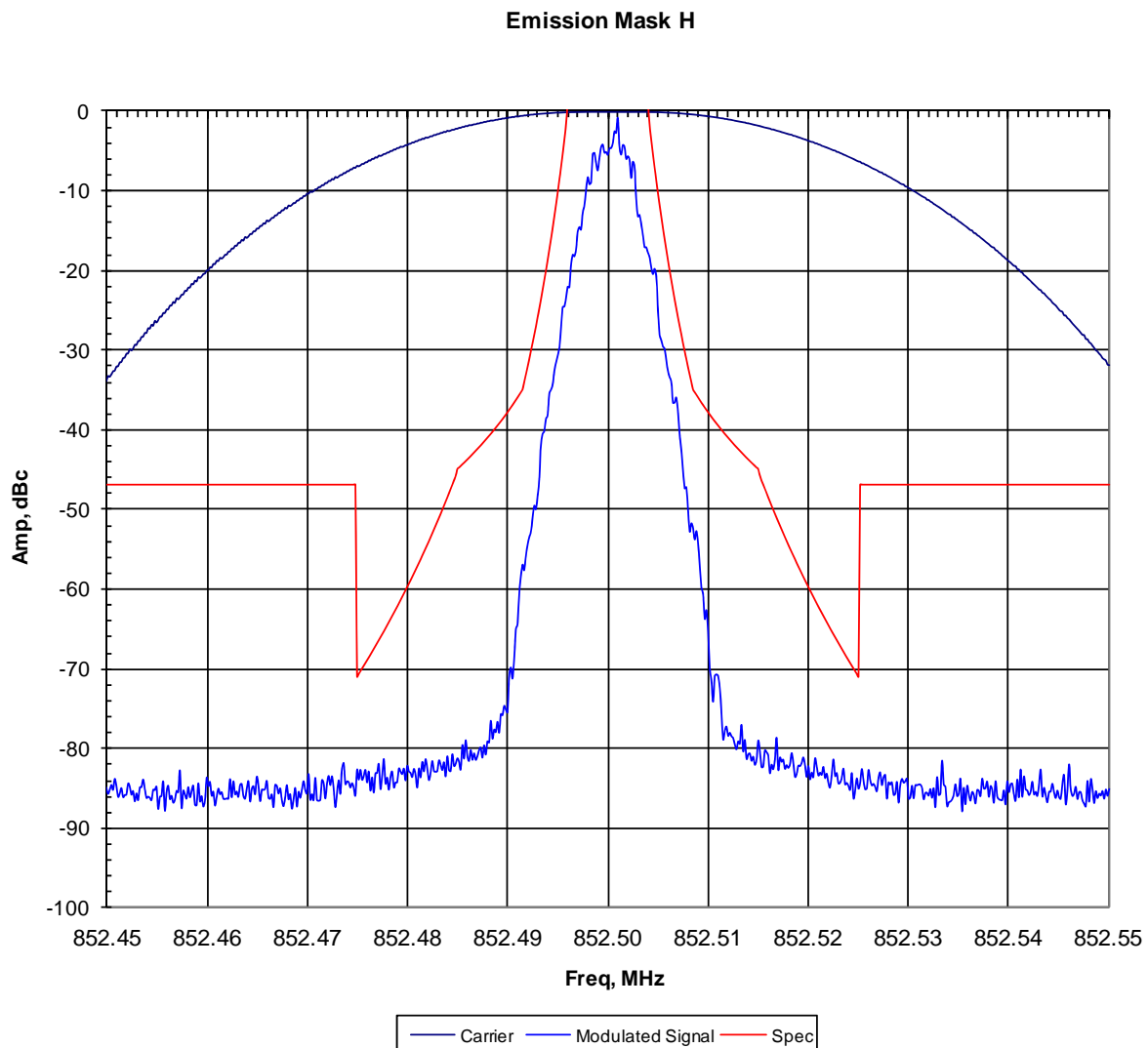
Occupied Bandwidth is measured per TIA603-D: Method 2.2.11 and is pursuant to FCC 2.1049, 90.210



**EXHIBIT 6 C - (Addendum)**
**OCCUPIED BANDWIDTH - 852.5 MHz, EMISSION MASK H, Data Only**

CENTER FREQUENCY: 852.5 MHz  
 RESOLUTION BANDWIDTH: 300 Hz  
 VIDEO BANDWIDTH: 1 kHz  
 SPAN: 100 kHz  
 HORIZONTAL SCALE: 10 kHz/div  
 SWEEP TIME: 200 Sec.  
 VERTICAL SCALE: 10 dB/div  
 REFERENCE LEVEL: 0 dB (33.5 dBm = 2.5W)  
 ATTENUATION: 33.5 dB

Occupied Bandwidth is measured per TIA603-D: Method 2.2.11 and is pursuant to FCC 2.1049, 90.210



**EXHIBIT 6 D - (Addendum) OCCUPIED BANDWIDTH - 852.5 MHz, EMISSION MASK H, Data and Voice**

CENTER FREQUENCY: 852.5 MHz  
 RESOLUTION BANDWIDTH: 300 Hz  
 VIDEO BANDWIDTH: 1 kHz  
 SPAN: 100 kHz  
 HORIZONTAL SCALE: 10 kHz/div  
 SWEEP TIME: 200 Sec.  
 VERTICAL SCALE: 10 dB/div  
 REFERENCE LEVEL: 0 dB (33.5 dBm = 2.5W)  
 ATTENUATION: 33.5 dB

Occupied Bandwidth is measured per TIA603-D: Method 2.2.11 and is pursuant to FCC 2.1049, 90.210

