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DMR is a digital modulation format, further described by the ETSI TS 102 361 standard, that uses 4FSK modulation to carry up to two voice and data channels on a single 12.5 kHz RF channel to achieve 6.25e kHz channel efficiency.

Sample plots are provided for DMR Data only (7K60FXD) and DMR Voice and Data (7K60FXE). More details about these emission designators are described in the original filing.

Per this action, the change requested is to add three additional digital TDMA emission designators to be shown on the grant:

7K60F7D Frequency modulation; Two channels containing quantized information; Data / Telecommand

7K60F7E Frequency modulation; Two channels containing quantized information; Telephony

7K60F7W Frequency modulation; Two channels containing quantized information; Combination of Telephony and Data / Telecommand

Since the occupied bandwidth data on file to show compliance for 7K60FXE and 7K60FXD was generated with randomized data, the plot for each of the new designators appears the same spectrally. Therefore there is no additional occupied bandwidth data included with this request.

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:

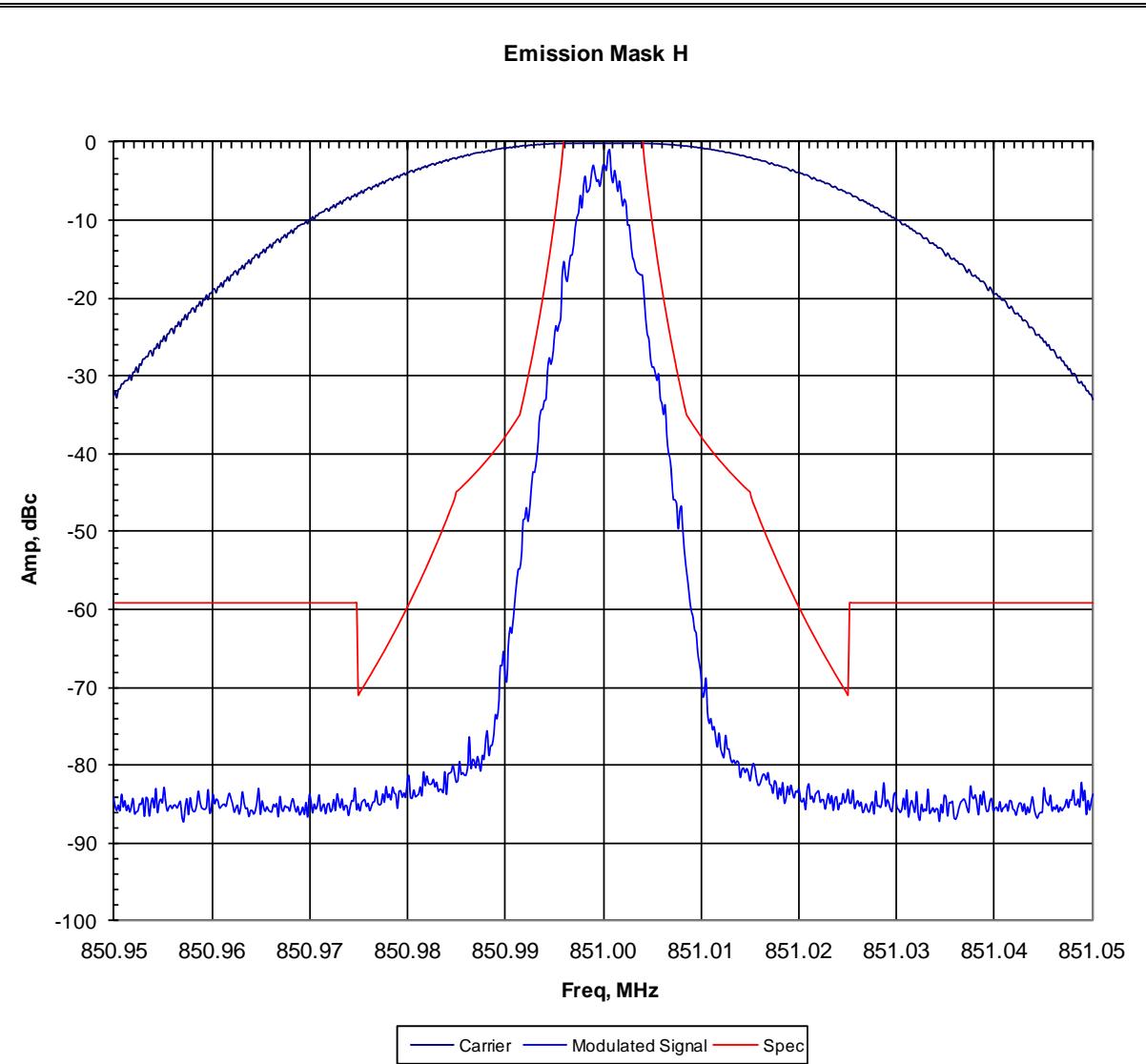
- (1) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of 4 kHz or less: **Zero dB**
- (2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 4 kHz but no more than 8.5 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 $43 + 10 \log_{10}(P)$ dB**

Power Output

The referenced transmitter is filed for for 42 Watts Maximum Power

**EXHIBIT 6 A - (Addendum)****OCCUPIED BANDWIDTH - 851MHz, EMISSION MASK H, Data Only**

CENTER FREQUENCY: 851 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 (46 dBm = 42W)
ATTENUATION: 46 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 - 851 MHz, EMISSION MASK H, Data and Voice**

CENTER FREQUENCY: 851 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 (46 dBm = 42W)
ATTENUATION: 46 dB

