

- 1) Band edge plots provided on page 43 do not clearly demonstrate compliance with required limit, there appears several emissions over the limit. Please explain how these measurements demonstrate compliance with 15.249.

Response: Bandedge plots with the EUT turned off have been uploaded to answer this question.

- 2) The operational description indicates that the EU or the FCC frequencies can be chosen via software control. Please explain how this software control is implemented with regard to protection of restricted bands of operation under 15.105.

Response: These are set in the factory. The user is unable to change them.

- 3) The test report on page 31 indicates a -5.4dB duty cycle correction. Please provide information on the correction used and how it was derived.

Response: Additional plots have been uploaded to answer this question.

Measuring average "On time" .

Constant transmit, Single shot, sweep time of 1 ms. Captured 5 shots. Added up all on time within 1 ms and compute average on time within 1 mS.

$$(467\text{us}+575\text{us}+ 514\text{us}+647\text{us}+ 488\text{us}) =2691\text{us/ in } 5 \text{ mS}$$

Each uS = $2691 / 5 = 538.2 \text{ us}$ (0.5382) of on time per 1 mS of claimed dwell time.

$$20 \text{ Log } 0.5382/1 \text{ ms} = -5.4 \text{ dB}$$

Correction of -5.4 dB