

a. Applicants for certification under §15.255(c)(2), in addition to a show of compliance to the specified limits, shall explain how conducted output power was determined and demonstrate compliance to the limits.

Re: The standard 47 CFR Part 15, Subpart C(15.255) complies with the specified limits. 47 CFR Part 15, Subpart C(15.255) reports that the transmitted output power is determined by EIRP(5.58dBm)-Chirps Correction Factor(0.51dB)=5.07dBm, which complies with the limit of 20 dBm, For details, see Report Number: 2402W41550E-RF-00.

b. Applicants for certification to operate in the 60.0-61.5 GHz ISM band under §15.255(c)(2)(v), in addition to showing compliance to the stated technical requirements, shall also demonstrate that the fundamental emission bandwidth is entirely contained within the band.

Re: 47 CFR Part 15, Subpart C(15.255) reports compliance with §15.255(c)(2)(v), the transmit bandwidth of 60.5GHz is fully included in the 60.0-61.5 GHz band, as detailed in Report Number: 2402W41550E-RF-00.

c. For radar devices intended for operation in the 60-64 GHz band segment and for use onboard unmanned aircraft per §15.255(b)(3), in addition to a show of compliance to the output power limit, data showing that the fundamental emission bandwidth is contained within the designated band segment and time domain data demonstrating compliance to the off-time requirement shall be provided. Additionally, an explanation must be provided as to how the altitude restriction will be realized.

Note that there is also a similar altitude restriction in the FAA rules at §107.51 within Title 14 of the Code of Federal Regulations (CFR).

Re: This product does not comply with §15.255(b) and complies with §15.255(c).

d. Applications for radar operation in the 57.0-59.4 GHz band segment under the §15.255(c)(2)(i) rule provision, in addition to showing compliance to the stated limits, shall also provide data demonstrating that the fundamental emission bandwidth is entirely contained within the designated band segment, and a statement as to whether usage will be limited to indoor or outdoor operations and how such limitations will be ensured.

Re: Standard 47 CFR Part 15, Subpart C(15.255) reports compliance with §15.255(c)(2)(i) that data and basic transmission bandwidth are fully contained within the specified frequency band, as detailed in Report Number: 2402W41550E-RF-00, this product is limited to indoor operation, see the User Manual.

e. For radar devices intended to operate in the 57.0-61.56 GHz band segment under the provisions of §15.255(c)(2)(ii), in addition to a show of compliance to the

applicable limits, provide data showing that the fundamental emission bandwidth is fully contained within the authorized band segment. Where appropriate ($3 \text{ dBm} < \text{EIRP} \leq 20 \text{ dBm}$), time domain data showing compliance to the off-time requirement shall be provided.

Re: This product complies with §15.255(c)(2) (ii) as described in Report Number: 2402W41550E-RF-00, 4.2 Peak EIRP And Transmitter Off-times.

f. Radar devices intended for operation over the 57.0-64.0 GHz band segment under the requirements of §15.255(c)(2)(iii), in addition to showing compliance with the applicable limits, shall also provide data demonstrating that the fundamental emission bandwidth is fully contained within the designated band segment and time domain data demonstrating that the stated off-time requirement is satisfied under all operational conditions.

Re: This product meets the requirements of §15.255(c)(2) (iii), as detailed in Report Number: 2402W41550E-RF-00.

g. If the radar is to be certified for operation over the 57.0-64.0 GHz band segment under the auspices of §15.255(c)(2)(iii)(A), provide data showing that the fundamental emission bandwidth is wholly contained within the authorized band segment and time domain data demonstrating compliance to the associated off-time requirement, in addition of a show of compliance to the relevant limits.

Re: This product complies with §15.255(c)(2)(iii)(A) and the basic transmission bandwidth is fully covered within the authorized frequency band, as detailed in Report Number: 2402W41550E-RF-00.

h. If the radar is to be certified for operation over the 57.0-64.0 GHz band segment under the §15.255(c)(2)(iii)(B) requirements, in addition to showing compliance to the stated limits, provide data showing that the fundamental emission bandwidth is wholly contained within the authorized band segment and time domain data demonstrating compliance to the associated offtime requirement. Where applicable, explain comprehensively how the “fixed” requirement will be satisfied and maintained or how the device will be limited to exterior vehicular applications.

Re: This product complies with the restrictions specified in §15.255(c)(2)(iii)(B), as detailed in Report Number: 2402W41550E-RF-00, and, where applicable, for indoor operation only, as detailed in the User Manual.

i. If certifying a pulsed radar for operation over the 57.0-64.0 GHz band under the §15.255(C)(3) rules requirements, in addition to showing compliance with the specified limits, show that the fundamental emission bandwidth is constrained to the designated band segment and provide time domain data showing the maximum

pulse duration and the maximum duty cycle within any three μ s time window.

Re: This product complies with the limitations set forth in §15.255(C)(3), as detailed in Report Number: 2402W41550E-RF-00.

If the radar device is to be certified under multiple rule parts, data shall be provided demonstrating compliance with the corresponding rule requirements. In addition, information shall be provided on how switching between modes is limited to 33-ms time increments.

Re: This product complies with 47 CFR Part 15, Subpart C(15.255).