

Transmitters included in a TCB Scope and identified in the following do not qualify for TCB approval. As test and approval procedures are established, the requirements will be revised accordingly¹.

Transmitter Category	Exclusions List
I) Fixed Transmitters identified in Table 1 of §1.1307	Fixed Transmitters identified in Table 1 of §1.1307 are not categorically excluded from routine RF exposure evaluation. RF exposure compliance for these fixed transmitters is handled at the time of licensing, as required by the responsible FCC Bureau(s). The following fixed transmitters do not qualify for TCB approval: <ul style="list-style-type: none">a) transmitters that do not require licensingb) transmitters operating with antenna(s) that are not mounted on outdoor permanent structures <u>and</u> for which the corresponding operating configurations do not satisfy the MPE Categorical Exclusion Limits established in §2.1091c) transmitters that operate as subscriber units under<ul style="list-style-type: none">i) Part 21 subpart K, MDSii) Part 74 subpart I, ITFSiii) Part 101 subpart L, LMDS
II) Fixed Transmitters NOT identified in Table 1 of §1.1307	The following fixed transmitters that have not been identified in Table 1 of §1.1307, typically categorically excluded or unlicensed, do not qualify for TCB approval: <ul style="list-style-type: none">a) transmitters operating with antenna(s) that are not fixed-mounted on outdoor permanent structures <u>and</u> for which the corresponding operating configurations do not satisfy MPE Categorical Exclusion Limits established in §2.1091b) transmitters operating with antenna(s) that<ul style="list-style-type: none">i) are installed with a separation distance of less than 6 meters from all persons during normal operationii) exceed 1000 W peak EIRPiii) exceed 250 W peak conducted output power at the antenna terminal, <u>or</u>iv) are co-located with other antennas
III) Mobile Transmitters identified in §2.1091	The following mobile devices identified in §2.1091 do not qualify for TCB approval: <ul style="list-style-type: none">a) transmitters that do not satisfy MPE Categorical Exclusion Requirements of §2.1091b) transmitters that operate simultaneously in multiple frequency bandsc) transmitters operating with antenna(s) that are co-located with other antennas or in conjunction with another transmitterd) modular transmitters that are installed in, or attached to, another product or device <u>and</u> are not authorized under Part 15
IV) Portable Transmitters identified in §2.1093	All portable transmitters identified in §2.1093 do not qualify for TCB approval, including (but not limited to) the following: <ul style="list-style-type: none">a) Part 22, Subpart H (Cellular Radiotelephone Service)b) Part 24, 25, 26, 27c) Part 80 (ship earth station)d) Part 90 (Special Mobile Radio)e) Part 95, Subpart H (WMTS) and Subpart I (MICS)f) Part 15; §15.253, §15.255, Subpart D and Subpart E
V) Part 15 Fixed and Mobile Transmitters	The following fixed and mobile transmitters authorized under Part 15 do not qualify for TCB approval: <ul style="list-style-type: none">a) §15.247 spread spectrum transmitters that:<ul style="list-style-type: none">i) do not operate in a single frequency bandii) operate with antennas co-located with other antennas or in conjunction with another transmitteriii) operate with fixed-mounted antennas that are installed with a separation distance of less than 2 meters from all persons during normal operation

(Part 15 Fixed and Mobile Transmitters Cont'd)	<ul style="list-style-type: none"> iv) operate as a mobile transmitting device with antennas that are not installed to provide the minimum separation distance (20 cm or more) needed to ensure MPE compliance v) operate as a mobile transmitting device with either peak conducted or peak radiated (EIRP) output power exceeding <ul style="list-style-type: none"> 1) 75 mW for 5.7 GHz band 2) 200 mW for 2.4 GHz band 3) 300 mW for 900 MHz band b) §15.253 millimeter-wave, vehicle radar system transmitters <ul style="list-style-type: none"> i) operating with antenna configurations that are not installed permanently at specific location(s) on a vehicle ii) with operating configurations that do not satisfy MPE Categorical Exclusion Requirements of §2.1091 c) §15.255 millimeter-wave, field disturbance sensor transmitters <ul style="list-style-type: none"> i) operating with antenna configurations that are not installed permanently at fixed locations ii) with operating configurations that do not satisfy MPE Categorical Exclusion Requirements of §2.1091 d) §15.407(f) UNII transmitters operating with antennas that <ul style="list-style-type: none"> i) are not fixed-mounted on outdoor permanent structures <u>and</u> which do not satisfy MPE Categorical Exclusion Requirements of §2.1091 ii) operate with antenna(s) that are fixed-mounted on outdoor permanent structures providing a separation distance of less than 1.5 meters from all persons during normal operation
VI) Part 15 Portable Transmitters	<p>The following portable transmitters authorized under Part 15 do not qualify for TCB approval:</p> <ul style="list-style-type: none"> a) §15.253 millimeter-wave, vehicle radar system transmitters b) §15.255 millimeter-wave, field disturbance sensor transmitters c) subpart D, unlicensed PCS devices d) subpart E, UNII devices e) §15.247 spread spectrum transmitters that <ul style="list-style-type: none"> i) do not operate in a single frequency band ii) operate with antenna(s) that are co-located with other antennas or in conjunction with another transmitter iii) operate as a module, including those that are installed in, or attached, to another product iv) operate in the 5.7 GHz band v) operate with the device <u>and</u> its antenna at 5 cm or more from a person's body²; by design, the antenna provides a separation distance of less than 2.5 cm from a person's hands, wrists, feet and ankles, <u>and</u> either the peak conducted or peak radiated (EIRP) output power exceeds <ul style="list-style-type: none"> 1) 100 mW for the 2.4 GHz band 2) 200 mW for the 900 MHz band vi) operate with the device <u>or</u> its antenna at less than 5 cm from a person's body <u>and</u> either the peak conducted or peak radiated (EIRP) output power exceeds <ul style="list-style-type: none"> 1) 50 mW for the 2.4 GHz band 2) 100 mW for the 900 MHz band vii) operate with the device <u>or</u> its antenna at less than 2.5 cm from a person's body <u>and</u> either the peak conducted or peak radiated (EIRP) output power exceeds <ul style="list-style-type: none"> 1) 15 mW for the 2.4 GHz band 2) 25 mW for the 900 MHz band
VII) All Other Categorically Excluded Mobile Transmitters	<p>The following mobile transmitters that have not been identified in §2.1091 or in the above paragraphs do not qualify for TCB approval:</p> <ul style="list-style-type: none"> a) transmitters that do not operate in a single frequency band b) transmitters that operate with antenna(s) that are co-located with other antennas or in conjunction with another transmitter c) transmitters for which, after source-based time-averaging has been considered, either peak

(All Other Categorically Excluded Mobile Transmitters Cont'd)	<p>conducted or peak radiated (EIRP) output power exceeds the Categorical Exclusion Limits of §2.1091 and the antenna installation or device operating configurations do not provide the needed minimum separation distance to ensure MPE compliance, according to distances estimated with respect to an equivalent isotropic source</p> <p>d) transmitters requiring end-users to maintain the needed minimum separation distance to ensure MPE compliance</p> <p>e) transmitters requiring warnings to satisfy MPE compliance</p>
VIII) All Other Categorically Excluded Portable Transmitters	<p>The following portable transmitters that have not been identified in §2.1093 or in the above paragraphs do not qualify for TCB approval:</p> <p>a) transmitter that does not operate in a single frequency band</p> <p>b) transmitter that operate with antenna(s) that are co-located with other antennas or in conjunction with another transmitter</p> <p>c) when the device <u>and</u> its antenna operate at 5 cm or more from a person's body²; by design, the antenna provides a separation distance of less than 2.5 cm from a person's hands, wrists, feet and ankles, <u>and</u> either peak conducted or peak radiated (EIRP) output power exceeds</p> <ul style="list-style-type: none"> i) 2.0 W at less than 500 MHz ii) 1.0 W at 500-1000 MHz iii) 500 mW at 1-3 GHz iv) 250 mW at 3-6 GHz, <p><u>or</u> when source-based time averaging is considered, the corresponding peak conducted or peak radiated (EIRP) output power exceeds</p> <ul style="list-style-type: none"> i) 400 mW at less than 500 MHz ii) 200 mW at 500-1000 MHz iii) 100 mW at 1-3 GHz iv) 50 mW at 3-6 GHz <p>d) when the device <u>or</u> its antenna operates at less than 5 cm from a person's body <u>and</u> either peak conducted or peak radiated (EIRP) output power exceeds</p> <ul style="list-style-type: none"> i) 1.0 W at less than 500 MHz ii) 500 mW at 500-1000 MHz iii) 200 mW at 1-3 GHz iv) 100 mW at 3-6 GHz, <p><u>or</u> when source-based time averaging is considered, the corresponding peak conducted or peak radiated (EIRP) output exceeds</p> <ul style="list-style-type: none"> i) 200 mW at less than 500 MHz ii) 100 mW at 500-1000 MHz iii) 50 mW at 1-3 GHz iv) 25 mW at 3-6 GHz <p>e) when the device <u>or</u> its antenna operates at less than 2.5 cm from a person's body <u>and</u> either peak conducted and peak radiated (EIRP) output power exceeds</p> <ul style="list-style-type: none"> i) 200 mW at less than 500 MHz ii) 100 mW at 500-1000 MHz iii) 25 mW at 1-6 GHz, <p><u>or</u> when source-based time averaging is considered, the corresponding peak conducted or peak radiated (EIRP) output power exceeds</p> <ul style="list-style-type: none"> i) 50 mW at less than 500 MHz ii) 25 mW at 500-1000 MHz iii) 5 mW at 1-6 GHz

¹ Unless it is stated in the FCC rules or in a Report & Order, a TCB may not approve transmitters authorized under radio services that are adopted after the revision date of this document.

² Body in this context excludes hands, wrists, feet and ankles.