

## Request for transmitter Limited Modular Approval

Transmitter Module Characteristics  
Item Requirements EUT

1	<b>YES</b>	Have its own RF shielding	TNPA4870 has the metallic shield case at the RF part. See External design.
2	<b>YES</b>	Have buffered modulation/data inputs (if such inputs are provided),	MCU in IC7002 has the buffer. See Block Diagram.
3	<b>YES</b>	Have it own power supply regulation	TNPA4870 has the voltage regulator, IC7003 in Schematics.
4	<b>YES</b>	Meet the antenna requirements of Section 15.203	The antenna is located as PCB pattern. See External design.
5	<b>YES</b>	Be tested in a stand-alone configuration, i.e., the antenna, AC or DC power and data input/output lines must be connected to the module but, the module must not be inside another case during testing	In the test, We used the test jig in order to meet this requirement. See photo of test setup.
6	<b>YES</b>	Be labeled with its own FCC ID number, <b>and</b> if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.	TNPA4870 and the outside box including TNPA4870 labeled with FCC ID, that is ACJ-TNPA4870. See Label location.

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7	YES	The modular transmitter is manufactured so that the user cannot influence the operation of the transmitter that will operate outside of the scope of the regulations.	IC7002 contains an RF transceiver which includes a LNA, PA with VCO, and spread-spectrum encoding and decoding. So user cannot influence the RF operation. See block diagram.
8	YES	Address compliance with the Commission's RF exposure limits in Sections 1.1310 and 2.1093. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF exposure compliance in accordance with Section 15.247(b)(4).	Maximum output power is -3dBm, and Maximum antenna gain is -0.14dBi. So TNPA4870 meets the limitation of Section 1.1310, 2.1093 and 15.247(b)(4).

Certified By:



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