

Date: 26 August 2025

Office of Engineering and Technology
Laboratory Division
Equipment Authorization Branch
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Subject: Application for New Filing Certification of Transceiver with FCC ID: AZ489FT7184

Dear Sir/Madam,

Motorola Solutions, Inc., herein submits application for Certification of the subject transceiver.

This transmitter is intended for use in a Portable radio application with capabilities for clear and coded communications with a variable transmit power operating within the following frequency ranges:

Product Name	Model Numbers	Frequency Range	RF Power	FCC Rules Part
APX NEXT	H55TGT9PW8BN	LMR: 136 - 174 MHz	6.0 W (Rated Power) 6.6 W (Max Power)	22, 74, 80, 90
		LMR: 380 – 520 MHz	5.0 W (Rated Power) 5.7 W (Max Power)	22, 74 80, 90
		LMR: 762 - 776 MHz 792-806 MHz	2.5 W (Rated Power) 2.99 W (Max Power)	90
		LMR 700MHz: 769 – 805 MHz (itinerant bands only)	2.35 W (Max Power)	90.531
		LMR: 806 - 825 MHz 851 - 870 MHz	3.0 W (Rated Power) 3.6 W (Max Power)	90
		LTE B5 824 - 849 MHz	0.137 W (ERP max measured)	22H
		LTE B12 699-716 MHz	0.138 W (ERP max measured)	27
		LTE B13 777-787 MHz	0.100 W (ERP max measured)	27
		LTE B14 788-798 MHz	0.097 W (ERP max measured)	90R
		LTE B17 704-716 MHz	0.136 W (ERP max measured)	27
		LTE B25/2 1850 - 1915 MHz	0.272 W (EIRP max measured)	24 and 25
		LTE B66/4 1710 – 1780 MHz	0.132 W (EIRP max measured)	27
		LTE B71 663 – 698 MHz	0.141 W (ERP max measured)	27
		5G NR n5 824 - 849 MHz	0.094 W (ERP max measured)	22H
		5G NR n25/2 1850 - 1915 MHz	0.251 W (EIRP max measured)	24E
		5G NR n41 2496 - 2690 MHz	0.282 W (EIRP max measured)	27
		5G NR n66 1710 - 1780 MHz	0.120 W (EIRP max measured)	27
		5G NR n71 663 - 698 MHz	0.137 W (ERP max measured)	27
		5G NR n77 3450 – 3550 MHz	0.184 W (EIRP max measured)	27Q
		5G NR n77 3700 – 3980 MHz	0.165 W (EIRP max measured)	27O
		5G NR n78 3450 – 3550 MHz	0.181 W (EIRP max measured)	27Q
		5G NR n78 3700 – 3800 MHz	0.171 W (EIRP max measured)	27O
		BT: 2402-2480 MHz	0.0799 W (max measured conducted peak)	15C
		BTLE 4.0: 2402-2480MHz	0.019 W (max measured conducted peak)	15C
		BTLE 5.0: 2402-2480MHz	0.020 W (max measured conducted peak)	15C

		WLAN 802.11 b/g/n/ax: 2412-2462 MHz	0.446 W (max measured conducted peak)	15C
		WLAN 802.11 a/n/ac/ax: 5180-5825 MHz	0.080 W (max measured conducted average)	15E
		WLAN 802.11 a/ax : 5955-7115	0.047 W (max measured conducted average)	15E
		NFC: 13.56 MHz	18.3 dBuV/m (Field Strength)	15C

We are requesting certification under Part(s) of the Commission's Rules listed above to allow operation of this equipment.

The subject transmitter complies with Section 90.203 and 80.203 (b) of the Rules in that the operator cannot directly program transmit frequencies using the unit's normally accessible external controls.

A complete Certification application is enclosed. If you require any additional information, please contact me at +604-2240258.

Sincerely,



Arine Lee
FCC/IC Certification Manager
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