

Date: September 16, 2022

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

Subject: Application for Certification of Transmitter with FCC ID: AZ492FT7141

Dear Sir/Madam,

Motorola Solutions, Inc (8000 West Sunrise Boulevard, Fort Lauderdale, Florida) herein submits application for Certification of the subject transmitter.

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 4500	M22VRS9PW1CN	LMR: 806-825 MHz; 851-870 MHz	3-35 W: 42W (Max declared)	90
		LMR: 896-901, 935-940 MHz LMR: 901-902, 940-941 MHz	1-30W: 36W (Max declared) 1-3W: 4W (Max declared)	90, 24D
APX 6500	M25VRS9PW1CN	BT: 2402-2480 MHz	11.19mW (max measured conducted peak)	15C
		BTLE 4.0: 2402-2480MHz	5.58mW (max measured conducted average)	15C
		WLAN 802.11 b/g/n: 2412-2462 MHz	33.67mW (max measured conducted average)	15C
		WLAN 802.11 a/n: 5180-5825 MHz	15.58mW (max measured conducted average)	15E

Table 1b (motorcycle) (order option (W/G138))

Product Name	Model Numbers	Frequency Range	RF Power	FCC Rules Part
APX 6500	M25VRS9PW1CN	LMR: 806-825 MHz; 851-870 MHz	3-15 W: 18W (Max declared)	90
		LMR: 896-901, 935-940 MHz LMR: 901-902, 940-941 MHz	1-15W: 18W (Max declared) 1-3W: 4W (Max declared)	90, 24D
		BT: 2402-2480 MHz	11.19mW (max measured conducted peak)	15C
		BTLE 4.0: 2402-2480MHz	5.58mW (max measured conducted average)	15C
		WLAN 802.11 b/g/n: 2412-2462 MHz	33.67mW (max measured conducted average)	15C
		WLAN 802.11 a/n: 5180-5825 MHz	15.58mW (max measured conducted average)	15E

It is capable of operating as a system in tandem with MOBEXCOM DVRS (Table 2) and Sierra LTE/VML750 Modems (Table 3) for vehicle use only and not for motorcycle

Table 2

Model No.	Product Description	FCC
MOBEXCOM DVRS VHF	MOBEXCOM Digital Vehicular Repeater DVR VHF (136-174 MHz)	LO6-DVRSVHF
MOBEXCOM DVRS UHF	MOBEXCOM Digital Vehicular Repeater DVR UHF (380-512 MHz)	LO6-DVRSUHF
MOBEXCOM DVRS 700	MOBEXCOM Digital Vehicular Repeater DVR 700 (764-776 MHz; 794-806 MHz)	LO6-DVRS700
MOBEXCOM DVRS 800	MOBEXCOM Digital Vehicular Repeater DVR 800 (806-824 MHz; 851-869 MHz)	LO6-DVRS800

Table 3

Product Name	Product Description	FCC
MP70	Sierra Wireless High Performance Vehicle Router	N7NMC7455 TK4WLE900VX
GX450	Sierra Wireless Mobile Gateway	N7NMC7355 N7NEC4501
MG90	Sierra Wireless High Performance Multi-Network Vehicle Router	T7V1316 N7NEM75S TK4WLE900VX
RV55	Sierra Wireless Rugged LTE-A Pro Router	N7NEM75S N6C-SDPAC
VML750	VML750 LTE Vehicle Modem	AZ492FT7058
	Contains: Module LM63S1	2AAGMLM63S1
	Contains: Module MC7354	N7NMC7355

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 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 (954) 723-4707.

Sincerely,



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