

February 22, 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: **AZ492FT4967**

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 Mobile Radio environment 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		
APX1500 APX2500 APX4500 APX6500 APX6500Li	M36SSS9PW1BN M24SSS9PW1BN M22SSS9PW1BN M25SSS9PW1BN M25SSS9PW1BN	LMR : 450 – 485MHz	54W (max declared)	22, 74, 80, 90		
		LMR : 485 – 512MHz	48W (max declared)			
		LMR : 512 – 520MHz	30W (max declared)			
				BT: 2402 - 2480 MHz	9.9mW (Max measured conducted peak)	15C
				BT LE: 2402 – 2480 MHz	4.97mW (Max measured conducted peak)	15C
				802.11b,g,n: 2412 – 2462 MHz	802.11b : 39.8 mW (max measured conducted average) 802.11g : 15.8 mW (max measured conducted average) 802.11n : 12.58 mW (max measured conducted average)	15C
				802.11a,n,ac: 5180 – 5825 MHz	802.11a : 14.76 mW (max measured conducted average) 802.11n/ac (20MHz): 15.24 mW (max measured conducted average)	15E

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

Product Name	Model Numbers	Frequency Range	RF Power	ISED RSS
APX2500 APX 6500	M24SSS9PW1BN M25SSS9PW1BN	LMR: 450 – 520 MHz	18W (Max declared)	22, 74, 90
		BT: 2402 - 2480 MHz	9.9mW (Max measured conducted peak)	15C
		BT LE: 2402 – 2480 MHz	4.97mW (Max measured conducted peak)	15C
		802.11b,g,n: 2412 – 2462 MHz	802.11b : 39.8 mW (max measured conducted average) 802.11g : 15.8 mW (max measured conducted average) 802.11n : 12.58 mW (max measured conducted average)	15C
		802.11a,n,ac: 5180 – 5825 MHz	802.11a : 14.76 mW (max measured conducted average) 802.11n/ac (20MHz): 15.24 mW (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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