



Factory Mutual Approvals Canadian Standards Association

**Product Listing
(For Use in Hazardous
[Classified] Locations)
For Professional Radio® Models**



Intrinsically Safe Factory Mutual (FM) Approval labels and Canadian Standards Association (CSA) Approval labels are attached to the radio to identify the unit as being FM/CSA Approved for specified hazardous atmospheres. These labels specify the hazardous Class/Division/Group along with the part number of the battery that must be used. Their Approval marks are shown above.

The hazardous location ratings are divided into Class, Division, and Group to indicate the existence of flammable gases or vapors, ignitable dust, fibers, or filings under normal or unlikely conditions of operation.

The Professional Radio models and super tanapas listed in the first table, when properly equipped with the approved batteries listed in the Batteries table (page 7), are FM/CSA approved as intrinsically safe for use in Classes I, II, and III, Division 1, Groups C, D, E, F, G. They are also approved for nonincendive use in Class I, Division 2, Groups A, B, C, D. Temp Code T3C

MOTOROLA, the Stylized M Logo, and Professional Radio are registered in the U.S. Patent & Trademark Office. All other product or service names are the property of their respective owners.



Note: The following radios and accessories are approved as intrinsically safe by Factory Mutual Approvals and the Canadian Standards Association. Refer to the radio label for intrinsic safety ratings and required batteries. Only the accessories and antennas listed below may be used on approved radios:

Models and Associated Super Tanapas

<i>Models*</i>			<i>Super Tanapas</i>
<i>U.S. and Canada</i>	<i>Latin America</i>	<i>Asia</i>	
AAH25BEC9AA3AN	LAH25BEC9AA3AN	AZH25BEC9AA3	PMUB1011_
AAH25BEF9AA5AN			PMUB1012_
		AZH25BEH9AA6	PMUB1013_
		AZH25CEH9AA6	PMUB1023_
AAH25CEF9AA5AN			PMUB1024_
AAH25CEC9AA3AN	LAH25CEC9AA3AN	AZH25CEC9AA3	PMUB1026_
AAH45BEC9AA3AN			PMUB1055_
AAH45CEC9AA3AN			PMUB1056_
AAH25KDG9AA4AN			PMUD1479_
AAH25KDC9AA3AN	LAH25KDC9AA3AN	AZH25KDC9AA3	PMUD1480_
			PMUD1800_
			PMUD1804_
	LAH25KDC9AA3AN		PMUD2212_
	LAH25KDC9AA3AN		PMUD2223_
	LAH25KDC9AA3AN		PMUD2224_
AAH25KDH9AA6AN	LAH25KDH9AA6AN	AZH25KDH9AA6	PMUD1481_
			PMUD1802_
			PMUD1806_
		AZH25KDH9AA6	PMUD2174_
	LAH25KDH9AA6AN		PMUD2213_
	LAH25KDH9AA6AN		PMUD2225_
	LAH25KDH9AA6AN		PMUD2226_
AAH25KDF9AA5AN			PMUD1482_
		AZH25KDF9AA4	PMUD2178_
	LAH25KDN9AA8AN	AZH25KDN9AA8	PMUD1483_
		AZH25KDC9CK3	PMUD1484_
		AZH25KDH9CK6	PMUD1485_
		AZH25KDN9CK8	PMUD1486_
		AZH25KDC9AN3	PMUD1488_

Models and Associated Super Tanapas (Continued)

<i>Models*</i>			<i>Super Tanapas</i>
<i>U.S. and Canada</i>	<i>Latin America</i>	<i>Asia</i>	
		AZH25KDH9AN6	PMUD1489_
		AZH25PDC9AA3	PMUD1536_
		AZH25PDH9AA6	PMUD1537_
		AZH25PDH9AA6	PMUD2175_
		AZH25PDF9AA4	PMUD2179_
		AZH25PDC9CK3	PMUD1538_
		AZH25PDH9CK6	PMUD1539_
		AZH25PDN9CK8	PMUD1540_
AAH25KDC9AA2AN	LAH25KDC9AA2AN	AZH25KDC9AA2	PMUD1573_
AAH25KDC9GE3AN		AZH25KDC9GB3 AZH25KDC9GC3	PMUD1649_
AAH25KDH9GE6AN		AZH25KDH9GB6 AZH25KDH9GC6	PMUD1650_
AAH25PDC9GC3AN		AZH25PDC9GB3 AZH25PDC9GC3	PMUD1651_
		AZH25PDH9GB6 AZH25PDH9GC6	PMUD1652_
		AZH25PDC9CK3	PMUD1712_
		AZH25PDH9CK6	PMUD1713_
AAH25KDN9DU8AN			PMUD1717_
AAH25MDF4DP5AN			PMUD1760_
AAH25MDH4DP6AN			PMUD1761_
AAH25KDF9DU5AN			PMUD1812_
AAH25KDF9DU7AN			PMUD1813_
AAH25KDH9DU6AN			PMUD1814_
AAH25KDH9DU9AN			PMUD1815_
AAH45KDC9AA3AN			PMUD2035_
AAH25KDF9DP5AN			PMUD2068_
AAH25KDH9DP6AN			PMUD2069_
AAH25KDH9DP9AN			PMUD2070_
AAH25RDH9AA6AN	LAH25RDH9AA6AN	AZH25RDH9AA6	PMUE1407_
		AZH25RDH9AA6	PMUE2557_
	LAH25RDH9AA6AN		PMUE2745_
	LAH25RDH9AA6AN		PMUE2746_
	LAH25RDH9AA6AN		PMUE2713_
			PMUE1921_

Models and Associated Super Tanapas (Continued)

<i>Models*</i>			<i>Super Tanapas</i>
<i>U.S. and Canada</i>	<i>Latin America</i>	<i>Asia</i>	
			PMUE1927_
AAH25RDF9AA5AN			PMUE1409_
		AZH25RDF9AA4	PMUE2559_
AAH25RDG9AA4AN			PMUE1433_
AAH25RDC9AA3AN	LAH25RDC9AA3AN	AZH25RDC9AA3	PMUE1434_
	LAH25RDC9AA3AN		PMUE2743_
	LAH25RDC9AA3AN		PMUE2744_
	LAH25RDC9AA3AN		PMUE2711_
			PMUE1919_
			PMUE1923_
	LAH25RDN9AA8AN	AZH25RDN9AA8	PMUE1435_
	LAH25RDC9CK3AN	AZH25RDC9CK3	PMUE1436_
	LAH25RDH9CK6AN	AZH25RDH9CK6	PMUE1437_
	LAH25RDN9CK8AN	AZH25RDN9CK8	PMUE1439_
		AZH25RDC9AN3	PMUE1440_
		AZH25RDH9AN6	PMUE1441_
AAH25SDG9AA4AN			PMUE1476_
AAH25SDC9AA3AN	LAH25SDC9AA3AN	AZH25SDC9AA3	PMUE1477_
	LAH25SDC9AA3AN		PMUE2712_
AAH25SDH9AA6AN	LAH25SDH9AA6AN	AZH25SDH9AA6	PMUE1478_
	LAH25SDH9AA6AN		PMUE2714_
AAH25SDF9AA5AN			PMUE1479_
	LAH25SDN9AA8AN	AZH25SDN9AA8	PMUE1480_
	LAH25SDC9CK3AN	AZH25SDC9CK3	PMUE1481_
	LAH25SDH9CK6AN	AZH25SDH9CK6	PMUE1482_
		AZH25SDC9AN3	PMUE1484_
		AZH25SDH9AN6	PMUE1485_
	LAH25SDN9CK8AN	AZH25SDN9CK8	PMUE1486_
AAH25RDC9DU3AN	LAH25RDC9DU3AN	AZH25RDC9DU3	PMUE1508_
AAH25RDH9DU6AN	LAH25RDH9DU6AN	AZH25RDH9DU6	PMUE1509_
	LAH25SDC9DU3AN	AZH25SDC9DU3	PMUE1510_
AAH25SDH9DU6AN	LAH25SDH9DU6AN	AZH25SDH9DU6	PMUE1511_
AAH25RDH9DU5AN			PMUE1520_
AAH25SDH9DU5AN			PMUE1522_
AAH25RDC9AA2AN	LAH25RDC9AA2AN	AZH25RDC9AA2	PMUE1563_

Models and Associated Super Tanapas (Continued)

<i>Models*</i>			<i>Super Tanapas</i>
<i>U.S. and Canada</i>	<i>Latin America</i>	<i>Asia</i>	
AAH25SDC9AA2AN	LAH25SDC9AA2AN	AZH25SDC9AA2	PMUE1564_
AAH25PDH9GC6AN			PMUE1652_
AAH25RDC9GB3AN		AZH25RDC9GB3 AZH25RDC9GC3	PMUE1678_
AAH25RDH9GB6AN		AZH25RDH9GB6 AZH25RDH9GC6	PMUE1679_
		AZH25SDC9GB3 AZH25SDC9GC3	PMUE1680_
		AZH25SDH9GB6 AZH25SDH9GC6	PMUE1681_
AAH25RDH9DP6AN			PMUE1710_
AAH25RDH9DP5AN			PMUE1711_
AAH25SDH9DP6AN			PMUE1712_
AAH25SDH9DP5AN			PMUE1713_
AAH25RDN9DU8AN			PMUE1762_
AAH25SDN9DU8AN			PMUE1763_
AAH25RDH9DP7AN			PMUE1929_
AAH25RDH9DP9AN			PMUE1930_
AAH25SDH9DP7AN			PMUE1931_
AAH25SDH9DP9AN			PMUE1932_
AAH45SDC9AA3AN			PMUE2336_
AAH45RDC9AA3AN			PMUE2337_
	LAH25UCC9CK3AN		PMUF1026_
	LAH25UCH9CK6AN		PMUF1027_
AAH25UCC6DU3AN	LAH25UCC6DU3AN		PMUF1032_
AAH25UCH6DU6AN	LAH25UCH6DU6AN		PMUF1033_
	LAH25UDN9CK8AN		PMUF1039_
AAH25UCC6GB3AN	LAH25UCC6GB3AN LAH25UCC6GE3AN	AZH25UCC6GB3 AZH25UCC6GC3	PMUF1046_
AAH25UCH6GB6AN	LAH25UCH6GB6AN LAH25UCH6GE6AN	AZH25UCH6GB6 AZH25UCH6GC6	PMUF1047_
AAH25WCC4GB3AN AAH25WCC4GE3AN			PMUF1059_
AAH25WCH4GB6AN AAH25WCH4GE6AN			PMUF1060_
	LAH25UCC6FC3AN		PMUF1063_
	LAH25UCH6FC6AN		PMUF1064_

Models and Associated Super Tanapas (Continued)

<i>Models*</i>			<i>Super Tanapas</i>
<i>U.S. and Canada</i>	<i>Latin America</i>	<i>Asia</i>	
LAH25WCC4GB3AN LAH25WCC4GC3AN			PMUF1059_ PMUF1059_
LAH25WCH4GB6AN LAH25WCH4GC6AN			PMUF1060_ PMUF1060_
AAH255CF4DP5AN			PMUF1104_
AAH255CH4DP6AN			PMUF1105_
AAH25UCH6DU9AN			PMUF1125_

* The suffix "AC" at the end of the model number indicates a camouflage housing.
The suffix "AY" at the end of the model number indicates a yellow housing.

Antennas

<i>Kit Number</i>	<i>Description</i>
NAB6064A	Lowband Heliflex, 29.7–50 MHz
NAD6502AR	VHF, 150.8–162 MHz
NAD6579A	VHF, 146–160 MHz
NAE6483AR	UHF Whip, 403–520 MHz
NAE6522AR	UHF, 438–470 MHz
NAF5037A	800 MHz Whip
NAF5042AR	800 MHz, 1/4 Wave, Stubby
PMAD4009A	9-cm Helical, 336–368 MHz
PMAD4012A	VHF, 9-cm, 136–155 MHz
PMAD4013A	VHF, 9-cm, 155–174 MHz
PMAD4014A	VHF, 14-cm, 136–155 MHz
PMAD4015A	VHF, 14-cm, 155–174 MHz
PMAD4020A	9-cm Helical, 370–400 MHz
PMAD4022A	9-cm Helical, 325 MHz
PMAD4023A	VHF, 14-cm, 150–161 MHz
PMAD4025A	VHF, 9-cm, 150–161 MHz
PMAD4033A	UHF, 300–350 MHz
PMAD4041A	VHF Helical, 155–174 MHz
PMAD4042A	VHF Helical, 136–155 MHz
PMAD4044A	VHF, 155–174 MHz, Stubby
PMAD4045A	UHF, 336–368 MHz
PMAD4046A	VHF, 136–155 MHz
PMAD4049A	VHF Helical, 146–174 MHz

Antennas (Continued)

<i>Kit Number</i>	<i>Description</i>
PMAE4002A	UHF, 9-cm, 403–433 MHz
PMAE4003A	UHF, 9-cm Helical, 430–470 MHz
PMAE4006A	UHF, 9-cm Helical, 470–510 MHz
PMAE4007A	UHF, 9-cm Helical, 490–527 MHz
PMAE4008A	UHF, 9-cm Helical, 470–530 MHz
PMAE4014A	UHF, 403–425 MHz, Whip
PMAE4015A	UHF, 470–520 MHz
PMAE4016A	UHF Whip, 403–520 MHz
PMAE4017A	UHF, 438–470 MHz, Stubby
PMAF4000A	806–870 MHz
PMAF4001A	806–941 MHz

Batteries

<i>Kit Number</i>	<i>Description</i>
HNN4002A	NiMH Impres™, FM/CSA
HNN9010A	NiMH/Ultra-High-Capacity, FM/CSA
HNN9011A/B	NiCd/High-Capacity, FM/CSA

Accessories

<i>Kit Number</i>	<i>Description</i>
0180300E83	Body PTT
0180358B38	Ring PTT
BDN6641A	Ear Microphone, VOICEDUCER
BDN6647F	Headset, Lightweight (Single Muff)
BDN6664A	Earpiece with Earphone, Beige
BDN6665A	Earpiece with Extra Loud Earphone, Beige
BDN6666A	Earpiece with Volume Control, Beige
BDN6667A	Earpiece, Microphone and PTT Combined, Beige
BDN6668A	Earpiece, Microphone and PTT Separate, Beige
BDN6669A	Earpiece, Microphone and PTT Combined with Extra Loud Earphone, Beige
BDN6677A	Earpiece, Microphone; Standard, Black
BDN6678A	Earpiece, Microphone; Standard, Beige
BDN6720A	Ear Receiver, Flexible
BDN6726A	Earpiece with Earphone, Black
BDN6727A	Earpiece with Extra Loud Earphone, Black

Accessories (Continued)

<i>Kit Number</i>	<i>Description</i>
BDN6728A	Earpiece with Volume Control, Black
BDN6729A	Earpiece, Microphone and PTT Combined, Black
BDN6730A	Earpiece, Microphone and PTT Separate, Black
BDN6731A	Earpiece, Microphone and PTT Combined with Extra Loud Earphone, Black
ENLN4135A	PTT Module
ENMN4010A	Noise Comm
ENMN4011A	Helmet Comm
ENMN4012A	Breeze Headset with In-Line PTT
ENMN4013A	Flexible Ear Receiver
ENMN4014A	3-wire Mini Lapel Microphone Kit, Black
ENMN4015A	Lightweight Headset
ENMN4016A	Medium Weight Behind-the-Head Headset with PTT
ENMN4017A	3-wire Mini Lapel Microphone Kit, Beige
ENMN4018A	Helmet Comm with PTT Module
HMN9725D	Remote Speaker/Microphone
HMN9727B	Earpiece without Volume Control
HMN9752B	Earpiece with Volume Control
HMN9754D	Earpiece with Microphone and PTT
HMN9787D	Headset with Boom Microphone
HLN9716A/B	Audio Accessory Adapter (2.5/3.5 mm)
HLN9717A	Audio Accessory Adapter (3.5 mm)
HMN9052A/B/C/D/E	Remote Speaker/Microphone
HMN9053A/B/C/D/E	Remote Speaker/Microphone, Noise-Canceling
HMN9054A/B/C	Public Safety Speaker/Microphone (UHF), Noise-Canceling
HMN9057A/B/C	Public Safety Speaker/Microphone (VHF), Noise-Canceling
NTN1722A	CommPort Microphone/Receiver with Standard PTT
NTN1723A	CommPort Microphone/Receiver with Palm PTT
NTN1724A	CommPort Microphone/Receiver with Ring PTT
NTN1737A	CommPort Microphone/Receiver with Snap-On PTT
NNTN4187A	Body PPT Switch with CommPort Interface Kit
NNTN4188	Body PPT Switch
NTN8819A/B	CommPort Earpiece with Interface Module
PMLN4418A/B	Lightweight Earset with Microphone PPT
PMLN4605A	Acoustic Tube
PMLN4607A	Two-Wire Surveillance Kit with Acoustic Tube

Accessories (Continued)

Kit Number	Description
PMLN4620A	Earpiece (3.5mm Jack)
PMLN4694A	Remote Speaker Microphone
PMLN5000A	D-Style Earpiece with Microphone/PTT
PMMN4002A/B	Remote Speaker Microphone, Noise-Canceling
PMMN4021A	Remote Speaker Microphone with Jack
PMMN4027A	Remote Speaker Microphone
PMMN4039A	Remote Speaker Microphone
PMMN4044A	Remote Speaker Microphone
RLN4885A/B	Earbud, Receive-Only
RLN4941A	Earpiece, Receive-Only with Translucent Tube
RMN4017A	Earpiece with Boom Microphone
RMN4018A/B	Headset, Lightweight, with Swivel Boom Microphone and In-Line PTT
RMN4019A	Headset, Medium Weight, with Swivel Boom Microphone and In-Line PTT
RMN4020A/B	Heavy Duty Headset with Noise-Canceling Boom Microphone
RMN4021A	Earpiece without Volume Control, Beige
RMN4022A	Earpiece with PTT Microphone, Beige
RMN4028A	Earpiece without volume control, Black
RMN4029A	Earpiece with PTT Microphone, Black
RMN4031A/B	Headset, Lightweight, with Swivel Boom Microphone
RMN4032A	Headset, Medium Weight, with Swivel Boom Microphone
RMN4044A	VOICEDUCER, Ear Microphone System with PTT only
RMN4045A	VOICEDUCER, Ear Microphone System with PTT and VOX
RMN4048A	Headset, Bone Conductor
RMN5035A	UHF 30" Cable Public Safety Microphone
RMN5036A	VHF 24" Cable Public Safety Microphone
RMN5037A	Remote Speaker Microphone, Heavy Duty
RMN5048A/B	Temple Transducer
RMN5055A	Remote Speaker/Microphone
RMN5075A	UHF 24" Cable Public Safety Microphone
RMN5076A	VHF 24" Cable Public Safety Microphone
WADN4190A/B	Earpiece, Flexible for PSM and RSM

Options

Option Number		Description
U.S., Canada & Latin America	Asia	
H112GM		Low Band Antenna, Delete
H112GK		VHF Antenna, Delete
H112GL		UHF Antenna, Delete
H236DD	AZH236AC	FM/CSA Approved Radio; Add FM/CSA Approved Battery HNN9011A/B
H236DE	AZH236AC	FM/CSA Approved Radio; Add FM/CSA Approved Battery HNN9011A/B
Q390AB	AZH223AB	FM/CSA Approved Radio; Add FM/CSA Approved Battery HNN9010
Q390AC	AZH223AB	FM/CSA Approved Radio; Add FM/CSA Approved Battery HNN9010
AZH512AB*		Mandown Option Board (Battery HNN9010A)
ENLN4150A		Mandown Option Board
PMLN4542A		FM/CSA Mandown Retrofit Kit
AZH513AA*		Mandown Option Board (Battery HNN9011A/B)
	AZH64x	Yellow Housing
	AZQ203	Camouflage Housing
	AZQ490x	Camouflage Housing
	AZ512	Mandown with HNN4002
	AZ513	Mandown with HNN4002

* Regional prefix AA (NAG), AZ (Asia), LA (Latin America), or MD (Europe)