

FCC Narrowbanding Compliance

Motorola radios capable of 12.5 kHz efficiency

Are your radio system and subscribers ready for Narrowbanding?

The Federal Communications Commission (FCC) is mandating all public safety and industrial/business licensees convert existing 25 kHz radio systems to minimum narrowband 12.5 kHz efficiency technology by January 1, 2013. The purpose of the narrowband mandate is to promote more efficient use of the VHF and UHF land mobile frequency bands.

Who is affected?

All land mobile Part 90, 25 kHz efficiency systems operating on VHF (150-174 MHz) and UHF (421-512 MHz) frequency bands.

How can you identify if your radio is 12.5 kHz efficiency capable?

PROCESS

- | | |
|---------------|---|
| Step 1 | Identify via the radio label if the radio is capable of 12.5 kHz per the table. |
| Step 2 | If you are unsure of the radio family, verify the model number. For simplicity, you should only have to verify the first 3 characters of the model number, unless indicated otherwise in the table below. |
| Step 3 | If you are still not sure, you will have to utilize the RSS/CPS to read the radio and manually verify the model number against the table. |
| Step 4 | For further assistance, please contact the Motorola Call Center at 1-800-367-2346 for clarification of the table and models. |

COMPLIANCE GUIDE

This table is intended for informational purposes only and is to be used as an aid to help manage the transition into 12.5 kHz mode of operation. Please note every effort has been made to ensure that the enclosed information is accurate; however, in the event of an error, the channel bandwidth mode accessed via the Customer Programming Software (CPS) or Radio Service Software (RSS) shall be controlling.

In order to transition to 12.5 kHz mode of operation it is necessary to have the ability to access the radio codeplug via CPS or RSS. Some of the CPS or RSS and programming cables or service tools may not be available or support may have been discontinued. In that case, the radio model shown as 12.5 kHz capable gets superseded by the lack of access to the codeplug thus preventing the radio migration to 12.5 kHz mode of operation.

Model	12.5 kHz Capability	Model Number Format	Status
Portables			
APX 7000	Yes	H97...	Available
XTS 5000	Yes	H18...	Available
XTS 4000	Yes	H18...	Available
XTS 2500	Yes	H46...	Available
XTS 1500	Yes	H66...	Available
MT 1500	Yes	H67...	Available
PR400	Yes	AAH65...	Available
PR860	Yes	AAH45...	Available
HT750	Yes	AAH25...	Available
HT1250	Yes	AAH25...	Available
HT1250•LS+	Yes	AAH25...	Available
EX500	Yes	AAH38...	Available
EX560•XLS	Yes	AAH38...	Available
EX600•XLS	Yes	AAH38...	Available
PR1500	Yes	AAH79...	Available
XPR 6350	Yes	AAH55..	Available
XPR 6550	Yes	AAH55..	Available
CP200	Yes	AAH50...	Available
XTS 3000	Yes	H09...	Cancelled
XTS 3500	Yes	H24...	Cancelled
ASTRO Saber	Yes	H04...	Cancelled
SP21	Yes		Cancelled
HT 1000	Specific Models	H01-----BN	Cancelled
JT 1000	Specific Models	H01-----BN	Cancelled
MT 2000	Specific Models	H01-----BN	Cancelled
Visar	Specific Models	H05-----BN	Cancelled
GP300	Specific Models	P94YPC00C3_A P94YPC00C4_A	Cancelled
SP50	Specific Models	P93YQT00G2_A P94YQT00G2_A P94YQT00G3_A	Cancelled
Analog Saber	No		Cancelled
MT 1000	No		Cancelled

COMPLIANCE GUIDE

Model	12.5 kHz Capability	Model Number Format	Status
Mobiles			
APX 7500	Yes	M30...	Available
XTL 5000	Yes	M20...	Available
XTL 5000 Consolette	Yes	L20...	Available
XTL 2500	Yes	M21...	Available
XTL 1500	Yes	M28...	Available
ASTRO Spectra Plus	Yes	D04, T04, M04...	Available
ASTRO Spectra	Yes	D04, T04, M04...	Available
ASTRO Spectra Consolette	Yes	L04...	Available
MCS 2000	Yes	M01...	Available
PM400	Yes	AAM50...	Available
CDM750	Yes	AAM25...	Available
CDM1250	Yes	AAM25...	Available
CDM1550•LS+	Yes	AAM25...	Available
PM1500	Yes	AAM79...	Available
XPR 4350	Yes	AAM27...	Available
XPR 4550	Yes	AAM27...	Available
CM200	Yes	AAM50...	Available
CM300	Yes	AAM50...	Available
M1225	Yes		Cancelled
SM120	Yes	M33DGC00C2_A M34DGC00C2_A M43DGC00C2_A M44DGC00C2_A	Cancelled
SM50	Yes	M33DGC00A2_A M34DGC00A2_A M43DGC00A2_A M44DGC00A2_A	Cancelled
GM300	Yes	M33GMC09C1_A M33GMC00D2_A M43GMC00C2_A M03GMC09C2_A M33GMC09C2_A M43GMC09C2_A M44GMC09C1_A M34GMC00D3_A M44GMC00D3_A M04GMC09C3_A M34GMC09C3_A M43GMC09C3_A M44GMC09C4_A M44GMC09C5_A	Cancelled
Analog Spectra	No	D14, D33, D34, D35, D43, 44, D45... M14, M33, M34, M35, M43, M44, M45... T14, T33, T34, T35,T43, T44, T45...	Cancelled
MaxTrac 100/300	No		Cancelled
Maratrac	No		Cancelled
Desktrac	No		Cancelled

COMPLIANCE GUIDE

Model	12.5 kHz Capability	Model Number Format	Status
Stations			
Quantar	Yes*	T5365	Available
GTR 8000	Yes*	T7039	Available
MTR 2000	Yes*	T5544, T5766	Available
MTR3000	Yes*	T3000	Available
Quantro	Yes*		Cancelled
MSF 5000	Yes, if 12.5 kHz capable at the time of purchase. Fielded 25 kHz can not be field retrofitted to 12.5 kHz.	model series including: GFB series (C65GFB...,C85), CXB series (C23CXB...,C43,C63, C73,C93,C24,C34,C44,C64, C74,C84,C45,C65,C85), RUB series (C43RUB...,C44), RLB series (C63RLB...,C64), CX series (C99CX....)	Cancelled
MSR 2000	No	model series including: GSB series (C73GSB..., C74), KSB series (C73KSB....)	Cancelled
Micor	Yes, if 12.5 kHz capable at the time of purchase. Fielded 25 kHz can not be field retrofitted to 12.5 kHz.	model series including: RCB series (B91RCB..., B83, B84, B93, C42, C64,C71)	Cancelled

Receivers			
Quantar Receiver	Yes*	T5367	Available
ASTRO-TAC Receiver	Yes*	T5589	Available
MTR 2000 Receivers	Yes*	T5731, T5769	Available

* Receivers require only RSS/CPS reprogramming to change the bandwidth from 25 kHz to 12.5 kHz



www.motorola.com/narrowbanding
1-800-367-2346

Motorola, Inc. 1301 E. Algonquin Road, Schaumburg, Illinois 60196 U.S.A.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. © 2010 Motorola, Inc. All rights reserved.)
RO-99-2235 10/10