

ASTRO® 25 G-SERIES SITE EQUIPMENT





COMMON PLATFORM

The ASTRO® 25 portfolio of RF stations, receivers, site controllers and comparators make up the building blocks for Project 25 (P25) two-way radio communication systems from Motorola Solutions. ASTRO 25 site equipment is built with flexibility, resilience and service in mind.



FLEXIBLE DESIGN. SOFTWARE-CONFIGURABLE.

Because it is defined and configured through software, the common platform has the flexibility to support different modes of operations based on individual site requirements. Simple software downloads provide cyber security patches, new features and technology migrations to carry your needs into the future.



ALWAYS AVAILABLE. RESILIENT TO DISRUPTION.

Built to last, ASTRO 25 sites continue to provide wide-area communication regardless of the conditions. From technology that delivers superior coverage to site designs with no single point of failure (resulting in no more than 1 channel removed from service), ASTRO 25 sites provide best-in-class performance.



SERVICE MADE EASY.

ASTRO 25 sites are built to ease service and maintenance with front access modules, cable connections and LED indicators. Hot-swap modules ensure channels are back on the air with minimal downtime.

Remote software upgrades with rolling activation makes it easy to stay up to date with minimal disruption.

TOPOLOGIES

Whether analog, digital, conventional or trunked, ASTRO 25 sites support various modes of operation and can be software-configured based on need.

TRUNKING

ASTRO 25 sites support P25 FDMA and TDMA trunking operations ranging from single site to large regional systems. The sites support seamless interoperability with the ability to dynamically switch between FDMA and TDMA without any user intervention or awareness.

CONVENTIONAL

The equipment can be configured to support analog conventional or P25 digital conventional operation. Mixed mode operation supports fleets of both radio types to allow a gradual migration from analog to digital. The ASTRO 25 site components can be used separately for a single conventional repeater or together for a large statewide or country-wide conventional system.

SIMULCAST

When configured for simulcast operation, additional timing and voting equipment allow adjacent sites to utilize the same frequencies with minimal audio degradation. ASTRO 25 sites support both conventional and trunking simulcast systems. Linear Simulcast Modulation (LSM) enables greater spacing without sacrificing coverage or capacity, resulting in fewer sites to build and maintain.

DATA

ASTRO 25 trunking and conventional systems can be enabled with P25 Integrated Data to support basic user data needs. Base station channels can dynamically switch from voice to data based on the call type. ASTRO 25 Enhanced Data optimizes the data channel for applications with a high amount of short inbound data messages like location, telemetry and biometrics, and can improve data efficiency by 12X over standard P25 data.





GTR 8000 BASE RADIO (T7039A)

From conventional to trunking, single repeater to multisite, FDMA to TDMA, and available in multiple frequency bands, the GTR 8000 offers design flexibility and investment protection in a high performance package.

GENERAL SPECIFICATION	NS					
		700/800 MHz	UHF Range 1 UHF Range 2	VHF	High Power 800 MHz	
Size (HxWxD)			5.25 x 19 x 18 in (1	33 x 483 x 457 mm)		
Weight		46 lb (21 kg)	46 lb (21 kg)	46 lb (21 kg)	48 lb (22 kg)	
Temperature Range			-22 to 140 °F	(-30 to 60 °C)		
Power Requirements			AC: 90-264 \	/AC, 47-63 Hz		
		DC: 43.2-60 VDC				
	Efficiency Package	C4FM, FM: 405 W LSM, H-DQPSK: 425 W	C4FM, FM: 410 W LSM, H-DQPSK: 445 W	C4FM, FM: 405 W LSM, H-DQPSK: 315 W	C4FM, FM: 700 W	
Power Consumption	Standard	C4FM, FM: 430 W LSM, H-DQPSK: 470 W	C4FM, FM: 435 W LSM, H-DQPSK: 455 W	C4FM, FM: 435 W LSM, H-DQPSK: 345 W	C4FM, FM: 725 W	
Antenna Connectors TX		N female				
A	Standard	BNC female				
Antenna Connectors RX	Optional Preselector	N female				
Channel Spacing		12.5/25 kHz	12.5/25 kHz	12.5/15/25/30 kHz	12.5/25 kHz	
	TX	C4FM, LSM, H-DQPSK, FM	C4FM, LSM, H-DQPSK, FM	C4FM, LSM, H-DQPSK, FM	FM, C4FM	
Modulation	RX		C4FM, H	-CPM, FM		
Frequency Stability		100 ppb/2 yr or External Reference				

TRANSMITTER							
		700/800 MHz	UHF Range 1 UHF Range 2	VHF	High Power 800 MHz		
Frequency Range		764-776, 851-870 MHz	380-435, 435-524 MHz	136-174 MHz	851-870 MHz		
Power Output		2-100 W	C4FM, FM: 2-110 W H-DQPSK, LSM: 2-100 W	C4FM, FM: 2-100 W H-DQPSK, LSM: 2-60 W	High Power: 15-150 W Low Power: 2-30 W		
Electronic Bandwidth			Full Ba	ndwidth			
Modulation Fidelity			5	%			
Intermodulation Attenuation		80 dB	65 dB	55 dB	55 dB		
Spurious and Harmonic Emissions Attenuation		90 dB					
Analog FM Hum and Noise	12.5 kHz channel	45 dB					
Analog rw num and Noise	25 kHz channel	50 dB					
Analog Audio Distortion		<2% at 1000 Hz	<2% at 1000 Hz (Typical: 1%)	<2% at 1000 Hz (Typical: 1%)	<2% at 1000 Hz		
		8K70D1E, 8K70D1D, 8K70D1W, 8K10F1E, 8K10F1D, 8K10F1W, 10K0F1E, 10K0F1D,	8K70D1E, 8K70D1D, 8K70D1W, 8K10F1E, 8K10F1D, 8K10F1W,	8K70D1E, 8K70D1D, 8K70D1W, 8K10F1E, 8K10F1D, 8K10F1W,	High Power: 8K10F1E, 8K10F1D, 8K10F1W, 16K0F1D, 16K0F3E, 11K0F3E, 14K0F1D, 14K0F3		
Emissions Designators		10K0F1W, 9K80D7E, 9K80D7D, 9K80D7W, 17K7D7D, 16K0F1D, 16K0F3E, 11K0F3E, 14K0F1D, 14K0F3E, 21K7D7E, 21K7D7D, 21K7D7W	9K80D7E, 9K80D7D, 9K80D7W, 10K0F1D, 11K0F3E, 16K0F1D, 16K0F3E	9K80D7E, 9K80D7D, 9K80D7W, 10K0F1D, 11K0F3E, 16K0F1D, 16K0F3E	Low Power: 8K10F1D, 8K10F1E, 8K10F7W, 8K70D1W, 8K70D7W, 9K80D7W, 10K0F1D, 11K0F3E, 16K0F3E, 16K0F1D		

RECEIVER							
		700/800 MHz	UHF Range 1 UHF Range 2	VHF	High Power 800 MHz		
Frequency Range		792-825 MHz	380-435, 435-524 MHz	136-174 MHz	806-825 MHz		
Analog Sensitivity (12 dB SINAD)	12.5 kHz channel	-118 dBm	-118 dBm	-119 dBm	-118 dBm		
Analog Sensitivity (12 db SiNAD)	25 kHz channel	-117 dBm	-117 dBm	-118 dBm	-117 dBm		
Divital Carattivity (EQ/ DED)	C4FM	-118 dBm	-118 dBm	-119 dBm	-118 dBm		
Digital Sensitivity (5% BER)	н-срм	-116 dBm	-116 dBm	-117 dBm	-116 dBm		
Intermodulation Rejection	85 dB						
Digital Adjacent Channel Rejection	60 dB						
Analog Adj Channel Rejection (EIA603)	12.5 kHz channel	75 dB					
Analog Adj Channel Rejection (TIA603D)	12.5 kHz channel	50 or 60 dB (adjustable)					
Alialog Auj Chaillei nejection (11A003D)	25 kHz channel		80 (dB			
Spurious and Image Response Rejection	Standard	85 dB	85 dB	90 dB	85 dB		
Spurious and image nesponse nejection	With optional preselector	100 dB	100 dB	95 dB	100 dB		
Analog Audio Response		+1, -3 dB from 6 dB per octave de-emphasis; 300-3000 Hz referenced to 1000 Hz at line output					
Analog Audio Distortion		3% or 5% (adjustable)					
Analog FM Hum and Noise	12.5 kHz channel		45 (dB			
Alialog Fivi Fulli dilu IVOISE	25 kHz channel		50 (dB			
Intermediate Everyoney	First	73.35 MHz	73.35 MHz	44.85 MHz	73.35 MHz		
Intermediate Frequency	Second	2.16 MHz					

GTR 8000 EXPANDABLE SITE SUBSYSTEM (SQM01SUM7054A)

The single rack design of the GTR 8000 Expandable Site Subsystem (ESS) houses up to 6 channels with RF distribution and power systems. Factory-configured and tuned to your specific system, it makes installation quick and easy. Connect multiple ESS racks to achieve maximum site capacity.

		700/800 MHz	UHF Range 1 UHF Range 2	VHF	High Power 800 MHz	900 MHz		
Number of Channels		1 to 6	1 to 6	1 to 6	2 to 6	1 to 6		
Height with 7.5 ft Rack	(90.4 in (2300 mm)						
Footprint (W x D) with 7.5 ft Rack			20.5 x	23.5 in (520 x 600	mm)			
Weight with 7.5 ft Rack		520 lb (235 kg)	UHF R1: 475 lb (215 kg) UHF R2: 565 lb (260 kg)	475 lb (215 kg)	538 lb (246 kg)	575 lb (260 kg)		
Temperature Range			-22 t	to 140 °F (-30 to 60	°C)			
Power Requirements			AC: 90-264 V	AC, 47-63 Hz, DC: 4	3.2-60 VDC			
Power Consumption	C4FM,FM	2900 W	2500 W	2650 W	4580 W	3700 W		
	LSM, H-DQPSK	3100 W	2700 W	2200 W	N/A	4100 W		
	C4FM,FM (Efficiency Package)	2755 W	2325 W	2500 W	4310 W	3700 W		
	LSM, H-DQPSK (Efficiency Package)	2900 W	2500 W	2100 W	N/A	4100 W		
Antenna Connectors	TX	7/16 or N Female	7/16 Female	N Female	N Female	7/16 Female		
	RX	N Female	N Female	BNC Female	N Female	N female		
Channel Spacing		12.5/25 kHz	12.5/25 kHz	12.5/15/ 25/30 kHz	12.5/25 kHz	12.5 kHz		
Transmit Combiner Spacing		100 or 150 kHz	150 kHz (450 - 512 MHz) N/A (380-450, 512-524 MHz)	N/A	N/A	12.5 kHz (Hybrid) 150 kHz (Cavity)		
Modulation	TX	C4FM, LSM, H-DQPSK, FM	C4FM, LSM, H-DQPSK, FM	C4FM, LSM, H-DQPSK, FM	FM, C4FM	C4FM, LSM H-DQPSK		
	RX	C4FM, H-CPM, FM	C4FM, H-CPM, FM	C4FM, H-CPM, FM	C4FM, H-CPM, FM	C4FM, H-CPN		
F			Repe	eater Site: 100 ppb/2	2 yr			
Frequency Stability			Simulcast (Multisite): GPS syn	chronized			



TRANSMITTER (CABIN	NET OUTPUT)							
		700/800 MHz	UHF Range 1 UHF Range 2	VHF	High Power 800 MHz	900 MHz		
Frequency Range		764-776, 851-870 MHz	380-435, 435-524 MHz	136-174 MHz	851-870 MHz	935-941 MHz		
Power Output		1-40 W	C4FM, FM: 2-110 W (380-450, 512-524 MHz) LSM, H-DQPSK: 2-100 W (380-450, 512-524 MHz) C4FM, FM: 1-33 W (450-512 MHz) LSM, H-DQPSK: 1-30 W (450-512 MHz)	C4FM, FM: 2-100 W LSM, H-DQPSK: 2-60 W	13-134 W	2-way Hybrid: 1-37 W 3-way Hybrid: 1-22 W 4-way Hybrid: 1-17 W 5-way Hybrid: 1-12 W 6-way Hybrid: 1-10 W		
Modulation Fidelity		5%						
Intermodulation Attenuation		80 dB	80 dB (450-512 MHz), 65 dB (380-450, 512-524 MHz)	55 dB	55 dB	80 dB		
Spurious / Harmonic Emissions Attenuation		90 dB						
Analog FM Hum / Noise	12.5 kHz channel	45 dB	45 dB	45 dB	TBA	N/A		
•	25 kHz channel	50 dB	50 dB	50 dB	TBA	N/A		
Analog Audio Distortion		<2% at 1000 Hz, 1% typ for UHF and VHF bands						
Emissions Designators		8K70D1E, 8K70D1D, 8K70D1W, 8K10F1E, 8K10F1D, 8K10F1W, 10K0F1E, 10K0F1D, 10K0F1W, 9K80D7E, 9K80D7D, 9K80D7W, 17K7D7D, 16K0F1D, 16K0F3E, 11K0F3E, 14K0F1D, 14K0F3E, 21K7D7E, 21K7D7D, 21K7D7DW	8K70D1E, 8K70D1D, 8K70D1W, 8K10F1E, 8K10F1D, 8K10F1W, 9K80D7E, 9K80D7D, 9K80D7W, 10K0F1D, 11K0F3E, 16K0F1D, 16K0F3E	8K70D1E, 8K70D1D, 8K70D1W, 8K10F1E, 8K10F1D, 8K10F1W, 9K80D7E, 9K80D7D, 9K80D7W, 10K0F1D, 11K0F3E, 16K0F1D, 16K0F3E	8K10F1E, 8K10F1D, 8K10F1W, 10K0F1E, 10K0F1D, 10K0F1W, 16K0F1D, 16K0F3E, 11K0F3E, 14K0F1D, 14K0F3E	8K70D1E, 8K70D1D 8K70D1W, 8K10F1E 8K10F1D, 8K10F1W 9K80D7E, 9K80D7D 9K80D7W, 10K0F1D 11K0F3E, 16K0F1D 16K0F3E		

Does not include Transmitter RF Distribution System for VHF, UHF 380-450, 512-524 MHz and High Power 800 MHz.

RF DISTRIBUTION SYSTEM (TX)						
	700/800 MHz Cavity	900 MHz Hybrid	UHF Cavity			
Frequency Range	764-776 MHz 851-870 MHz	935-941 MHz	450-512 MHz			
Insertion Loss (150 kHz spacing)	3.1 dB typ	2-way loss: 4.4 dB typ 3-way loss: 6.3 dB typ 4-way loss: 7.6 dB typ 5-way loss: 8.8 dB typ 6-way loss: 9.7 dB typ	4.5 dB typ			
Tx-Tx Isolation (150 kHz spacing)	32 dB	20 dB	32 dB			

RF DISTRIBUTION SYSTEM (RX)					
		700/800/900 MHz	UHF		
Frequency Range	е	792-825 MHz or 896-902 MHz	450-512 MHz		
Noise Figure	Typ / Limit	3.8 / 5 dB	4.6 / 5.5 dB		
Gain	Typ / Limit	13 / -16 to 24 dB adjustable	10 / -16 to 24 dB adjustable		
3rd Order Output Intercept (Typ)		21 dBm	19 dBm		
Amplifier Interce	ept	35 dBm	40 dBm		
Preselector Bandwidth		792-825 MHz or 896-902 MHz	2 or 3.5 MHz		
RF Input Connector Type		N (Female)	N (Female)		
RF Output Conne	ctor Type	BNC (Female)	BNC (Female)		

RECEIVER (TOP OF CABINET)								
		700/800 MHz	UHF Range 1 UHF Range 2	VHF	High Power 800 MHz	900 MHz		
Frequency Range		792-825 MHz	380-435, 435-524 MHz	136-174 MHz	806-825 MHz	896-902 MHz		
Analog Sensitivity (12 dB SINAD)	12.5 kHz channel	-123 dBm	-117 dBm (380-450, 512-524 MHz) -121.5 dBm (450-512 MHz)	-118 dBm (12.5/15 kHz)	-123 dBm	N/A		
	25 kHz channel	-122 dBm	-116 dBm (380-450, 512-524 MHz) -120.5 dBm (450-512 MHz)	-117 dBm (25/30 kHz)	-122 dBm	N/A		
Digital Sensitivity (5% BER)	C4FM	-123 dBm	-117 dBm (380-450, 512-524 MHz) -121.5 dBm (450-512 MHz)	-118 dBm	-123 dBm	-123 dBm		
	н-срм	-121 dBm	-115 dBm (380-450, 512-524 MHz) -119.5 dBm (450-512 MHz)	-116 dBm	N/A	-118.5 dBm		
ntermodulation Rejection		80 dB						
Digital Adjacent Channel Rejection	n			60 dB				
Analog Adjacent Channel Rejection (EIA603)	12.5 kHz channel	75 dB	75 dB	75 dB	75 dB	N/A		
Analog Adjacent Channel	12.5 kHz channel	50 or 60 dB (adjustable)	50 or 60 dB (adjustable)	50 or 60 dB (adjustable)	50 or 60 dB (adjustable)	N/A		
Rejection (TIA603D)	25 kHz channel	80 dB	80 dB	80 dB	80 dB	N/A		
purious and Image Response Rej		100 dB	85 dB (380-435 MHz)	90 dB	100 dB	100 dD		
opurious aliu ililaye nespolise neji	ection	100 UB	100 dB (450-512 MHz)	90 UB	100 UB	100 dB		
Analog Audio Response		+1, -3 dB from 6 dB	B per octave de-emphasis; 300	-3000 Hz referenced to 1000	Hz at line output	N/A		
Analog Audio Distortion		3% or 5% (adjustable)	3% or 5% (adjustable)	3% or 5% (adjustable)	3% or 5% (adjustable)	N/A		
Analog FM Hum / Noise	12.5 kHz channel	45 dB	45 dB	45 dB	45 dB	N/A		
MIAIDY FIVI MUIII / IVOISE	25 kHz channel	50 dB	50 dB	50 dB	50 dB	N/A		
ntormodiato Eroquanou	First	73.35 MHz	73.35 MHz	44.85 MHz	73.35 MHz	73.35 MHz		
ntermediate Frequency	Second			2.16 MHz				

GCM 8000 COMPARATOR (T7321A)

GENERAL SPECIFICATIONS					
	TRUNKING SYSTEMS				
Channel Capacity	1 or 2				
Size (HxWxD)	5.25 x 19 x 18 in (133 x 483 x 457 mm)				
Weight	40 lb (18 kg)				
Temperature Range	-22 to 140°F (-30 to 60°C)				
Rack Option	19 in standard rack mountable				
Time Stability	External Reference				
Power Requirements	AC: 90-264 VAC 47-63Hz DC: 43.2-60 VDC				
Power Consumption	AC: 1 module 130 W AC: 2 modules 160 W DC: 1 module 60 W DC: 2 modules 80 W				

GRV 8000 COMPARATOR (T8341A)

GENERAL SPECIFICATIONS			
	CONVENTIONAL SYSTEMS		
Channel Capacity	1 or 2		
Size (HxWxD)	5.25 x 19 x 18 in (133 x 483 x 457 mm)		
Weight	36 lb (16 kg)		
Temperature Range	-22 to 140°F (-30 to 60°C)		
Rack Option	19 in standard rack mountable		
Time Stability	External Reference		
Power Requirements	AC: 90-264 VAC 47-63Hz DC: 43.2-60 VDC		
Power Consumption	AC: 1 module 80 W AC: 2 modules 105 W DC: 1 module 50 W DC: 2 modules 75 W		

GPW 8000 RECEIVER (T7540A)

		700/800 MHz	UHF Range 1	VHF	900 MHz		
Frequency Range		792-825 MHz	380-435, 435-524 MHz	136-174 MHz	896-902 MHz		
Size (HxWxD)			5.25 x 19 x 18 in (133	3 x 483 x 457 mm)			
Veight			36 lb (16 kg)				
Temperature Range			-22 to 140°F (-	30 to 60°C)			
			AC: 90-264 VA	C 47-63Hz			
Power Requirements			DC: 43.2-6	60 VDC			
	AC - Power Efficiency Package		40 / 65	i W			
Danier Consumption (4 Madule (2 Madules)	DC - Power Efficiency Package		30 / 50 W				
Power Consumption (1 Module / 2 Modules)	AC		80 / 10	5 W			
	DC		50 / 75	i W			
Antonno Connectoro	Standard		BNC Fe	male			
Antenna Connectors With Optional Preselector		N Female					
Modulation	C4FM, FM						
requency Stability	Conventional: 100 ppb/2 yr						
Analog Concitivity /12 dD SINAD)	12.5 kHz channel	-118 dBm	-118 dBm	-119 dBm (12.5/15 kHz)	N/A		
Analog Sensitivity (12 dB SINAD)	25 kHz channel	-117 dBm	-117 dBm	-118 dBm (25/30 kHz)	N/A		
Dinital Constitute (FO) DED	C4FM	-118 dBm	-118 dBm	-119 dBm	-118 dBm		
Digital Sensitivity (5% BER)	Н-СРМ	-116 dBm	-116 dBm	-117 dBm	-116 dBm		
ntermodulation Rejection		85 dB	85 dB	85 dB	N/A		
Digital Adjacent Channel Rejection		60 dB	60 dB	60 dB	N/A		
Analog Adjacent Channel Rejection EIA603)	12.5 / 25 kHz channel	75 dB	75 dB	75 dB	TBA		
Analog Adjacent Channel Rejection	12.5 kHz channel	50 or 60 dB (adjustable)	50 or 60 dB (adjustable)	50 or 60 dB (adjustable)	TBA		
TIA603D)	25 kHz channel	80 dB	80 dB	80 dB	TBA		
Spurious and Image Response Rejection	Standard	85 dB	85 dB	90 dB	90 dB		
pharions and image neshouse velection	With Optional Preselector	100 dB	100 dB	95 dB	N/A		
Analog Audio Response		+1, -3 dB from 6 dB	per octave de-emphasis; 300	-3000 Hz referenced to 1000 H	lz at line output		
Analog Audio Distortion		3% or 5% (adjustable)					
Inalog FM Hum and Noise	12.5 kHz channel		45 d	В			
ANAIOY FIVI AUNI AND INVISE	25 kHz channel		50 d	В			
Intermediate Fraguency	First	73.35 MHz	73.35 MHz	44.85 MHz	73.35 MHz		
Intermediate Frequency	Second		2.16 N	1Hz			

GCP 8000 SITE CONTROLLER (T7038A)

GENERAL SPECIFICATIONS						
Channel Canacity	Repeater Site: 28	Rack Option	19 in standard rack mountable			
Channel Capacity	Simulcast (Multicast): 30	Frequency Stability	Simulcast (Multisite): External			
Size (HxWxD)	5.25 x 19 x 18 in (133 x 483 x 457 mm)	Power Requirements	AC: 90-264 V, 47-63 Hz or DC: 43.2-60 V			
Weight	40 lb (18 kg)	Power Consumption	AC: 130 W, DC: 60 W			
Temperature Range	-22 to 140 °F (-30 to 60 °C)					



G-SERIES COMPACT SITE

Protected from the elements, the G-Series Compact Site is a complete ASTRO 25 site that can house up to three GTR 8000 Base Radios in an outdoor, environmentally controlled cabinet. It is ideal for Project 25 (P25) deployments where building enclosures are not cost effective or not feasible due to difficult terrain.

Frequency Band	700 MHz, 800 MHz	
Size (HxWxD)	51.2 x 27.2 x 36.5 in (1300 x 690 x 925 mm): Pole Mount 59.5 x 27.2 x 36.5 in (1510 x 690 x 925 mm): Pad Mount 55.3 x 27.2 x 36.5 in (1405 x 690 x 925 mm): Wall Mount	
Weight	230 lb (104 kg) empty, 460 lb (209 kg) fully loaded	
Temperature Range (External to Cabinet)	-22 to 122 °F (-30 to 50 °C)	
Mounting Options	Pole, Pad, or Wall Mountable	



SERVICES

Choose the right level of services you need to achieve mission-critical performance for your ASTRO 25 system. The more you engage Motorola Solutions, the more you transfer the risk to us and achieve peace of mind in maximizing your uptime.



ESSENTIAL

Technical support when and where you need it, so you can maintain and restore your system.



ADVANCED

Rely on us to monitor and update your network, providing improved network response and continuity.



PREMIER

Transfer day-to-day accountability to us to operate and optimize all or part of your system to maximize performance and reduce risk.



FCC TYPE ACCEPTANCE				
Frequency Range	Туре	Power Output	Type Acceptance Number	
136-174 MHz	Transmitter	2-100 W	ABZ89FC3790B, ABZ89FC3799B	
136-174 MHz	Receiver	N/A	ABZ89FR3791B	
406-435 MHz	Transmitter	2-110 W	ABZ89FC4821B	
406-435 MHz	Receiver	N/A	ABZ89FR4822B	
435-512 MHz	Transmitter	2-110 W	ABZ89FC4819B	
435-512 MHz	Receiver	N/A	ABZ89FR4820B	
764-776 MHz	Transmitter	2-100 W	ABZ89FC5812B	
851-870 MHz	Transmitter	2-100 W	ABZ89FC5810B	
792-825 MHz	Receiver	N/A	ABZ89FR5811B	
935-941 MHz	Transmitter	2-120 W	ABZ89FC5823B	
896-902 MHz	Receiver	N/A	ABZ89FR5824B	
851-870 MHz	Transmitter	15-150 W	ABZ89FC5825B	

EU REGULATORY COMPLIANCE

CE mark is available on the GTR 8000 Base Radio (T7039A) and GPW 8000 Receiver (T7540A) in the following frequency ranges: UHF 380-525 MHz and VHF 136-174 MHz.

NOTES

- All specifications shown are typical unless otherwise noted.
- All specifications are subject to change without notice.

For more information, please visit us on the web at: www.motorolasolutions.com/ASTRO



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