



TOA Canada Wireless Microphone Performance Table

UHF 5000 Series

UHF S Series

Digital S Series



WT-5800

WT-5805

WT-5810

WT-4820*

S5.3

S4.10

S2.4*

	WT-5800	WT-5805	WT-5810	WT-4820*	S5.3	S4.10	S2.4*
Wireless Kits	Build the system	Build the system	WS-5225 (RX / TX HH / Uni) WS-5265 (RX / TX HH / Dyn / Uni) WS-5325U (RX / TX BP / Lav / Uni) WS-5325M (RX / TX BP / Lav/Omni) WS-5325H (RX / TX BP / HdWorn)	Build the system	S5.3-HD (RX / TX HH / Dyn) 5.3-HC (RX / TX HH / Dyn) 5.3-L (RX / TX BP / Lav)	S4.10-HD (RX / TX HH / Dyn) S4.10-L (RX / TX BP / Lav)	S2.4BBX (RX2 / TX BP x 2) S2.4HHX (RX2 / TX HH x 2) S2.4HBX (RX2 / TX BP, HH) S2.4BX (RX1 / TX BP) S2.4HX (RX1 / TX HH)
System Tuners	WT-5800 (RX)	WT-5805 (RX)	WT-5810 (RX)	WT-4820* (RX)	S5.3 (RX)	S4.10 (RX)	S2.4 (RX1) S2.4 (RX2)
System Components	WM-5225 (TX HH / Uni) WM-5265 (TX HH / Uni / Dyn) WM-5270 (TX HH / Uni / Dyn) WM-5325 (TX BP / Lav) YP-M5300 (Lav / Uni) YP-M5310 (Lav / Omni) YP-M5000E (Ear Hook / Omni) YP-M5000H (Headset / Omni) WH-4000H (Headset / Uni) WH-4000A (Headset / Uni) Q-HM-22 (HdWorn / Omni)	WM-5225 (TX HH / Uni) WM-5265 (TX HH / Uni / Dyn) WM-5270 (TX HH / Uni / Dyn) WM-5325 (TX BP / Lav) YP-M5300 (Lav / Uni) YP-M5310 (Lav / Omni) YP-M5000E (Ear Hook / Omni) YP-M5000H (Headset / Omni) WH-4000H (Headset / Uni) WH-4000A (Headset / Uni) Q-HM-22 (HdWorn / Omni)	WM-5225 (TX HH / Uni) WM-5265 (TX HH / Uni / Dyn) WM-5270 (TX HH / Uni / Dyn) WM-5325 (TX BP / Lav) YP-M5300 (Lav / Uni) YP-M5310 (Lav / Omni) YP-M5000E (Ear Hook / Omni) YP-M5000H (Headset / Omni) WH-4000H (Headset / Uni) WH-4000A (Headset / Uni) Q-HM-22 (HdWorn / Omni)	WM-5225 (TX HH / Uni) WM-5265 (TX HH / Uni / Dyn) WM-5270 (TX HH / Uni / Dyn) WM-5325 (TX BP / Lav) YP-M5300 (Lav / Uni) YP-M5310 (Lav / Omni) YP-M5000E (Ear Hook / Omni) YP-M5000H (Headset / Omni) WH-4000H (Headset / Uni) WH-4000A (Headset / Uni) Q-HM-22 (HdWorn / Omni)	S5.3-HDX (TX HH / Dyn) S5.3-HCX (TX HH) S5.3-BTX (TX BP / Lav) MIC-X2 (Lav) MIC X55 (Lav) MIC X212 (BK/BE-Lav) MIC X33 (HdWorn) MIC X66-BK/BL/YE (Hdband) MIC X22-BK/BE (HdWorn) MIC XEM77 (Single Ear) MIC-X690H (Glasses Mic)	S4.10-BTX (BP / Lav) S4.10-HDX (HH / Dyn) MB-S4RX-5-EB MIC-SJ33-BK (HdWorn) MIC-SJ66-BK/BL/YL (Hdband) MIC-SJ22-BK/BE (HdWorn) MIC-SJEM77 (Single Ear) MIC-SJ690H (Glasses Mic) MIC-LP2 (Lav) MIC-SJ55 (Lav) MIC-SJ212-BK/BE (Lav)	S2.4HDX (TX, HH) S2.4BTX (TX, BP / Lav) S2.4LMO (Lav / Omni) S2.4HMO (HW / Omni) S2.4HMU (HW / Uni)
System Accessories	YW-4500 (Antenna) WD-5800 (Antenna Dist.) MB-WT3 (Brkt single) MB-WT4 (Brkt dual) BC-5000-2 (Charger) BC-5000-6 (Charger) BC-5000-12 (Charger) AD-5000-2 (Adapter) AD-5000-6 (Adapter) WB-2000-2 (Battery)	YW-4500 (Antenna) WD-5800 (Antenna Dist.) MB-WT3 (Brkt single) MB-WT4 (Brkt dual) BC-5000-2 (Charger) BC-5000-6 (Charger) BC-5000-12 (Charger) AD-5000-2 (Adapter) AD-5000-6 (Adapter) WB-2000-2 (Battery)	BC-5000-2 (Charger) BC-5000-6 (Charger) BC-5000-12 (Charger) AD-5000-2 (Adapter) AD-5000-6 (Adapter) WB-2000-2 (Battery)	WTU-4800 (Module) YW-4500 (Antenna) WD-5800 (Antenna Dist.) MB-WT3 (Brkt, single) MB-WT4 (Brkt, dual) BC-5000-2 (Charger) BC-5000-6 (Charger) BC-5000-12 (Charger) AD-5000-2 (Adapter) AD-5000-6 (Adapter) WB-2000-2 (Battery)	YW-4500 (Antenna) WD-5800 (Antenna Dist.) MB-15B-BK (Brkt, Single) MB-15B-J (Brkt, dual) ACC-S5RX-MB2 (Brkt) Battery AA Alkaline	YW-4500 (Antenna) WD-5800 (Antenna Dist.) MB-S4RX (Brkt) Battery AA Alkaline	RX2 (Brkt included) Battery AA Alkaline
Channel Selectable	64 selectable frequencies	64 selectable frequencies	Up to 16 selectable frequencies	Up to 16 selectable frequencies	Up to 12 selectable frequencies	Up to 16 selectable frequencies	Up to 16 selectable frequencies
Price	\$\$\$\$	\$\$\$\$	\$\$\$	\$\$	\$\$\$\$\$	\$	\$\$
Receiving Frequency	M Band: 506 - 538 MHz H Band: 576 - 606 MHz	M Band: 506 - 538 MHz H Band: 576 - 606 MHz	M Band: 506 - 538 MHz H Band: 576 - 606 MHz	M Band: 506 - 538 MHz H Band: 576 - 606 MHz	H Band: 576 - 606 MHz	M Band: 506 - 538 MHz	2.404-2.474 GHz
Power Source	AC mains (supplied AC adapter must be used)	AC mains (supplied AC adapter must be used)	AC mains (supplied AC adapter must be used)	AC mains (supplied AC adapter must be used)	230 V AC, 50 Hz (optional AC adapter must be used)	11-18 VDC 300 mA	12VDC 0.5A
Diversity System	True diversity	Space diversity	Space diversity	Space diversity (WTU-4800)	Space diversity (true diversity)	Space diversity	N/A



UHF 5000 Series

UHF S Series

Digital S Series



WT-5800

WT-5805

WT-5810

WT-4820*

S5.3

S4.10

S2.4*

	WT-5800	WT-5805	WT-5810	WT-4820*	S5.3	S4.10	S2.4*
Power Consumption	200 mA (12 V DC)	250 mA (12 V DC)	130 mA (12 V DC)	250 mA (12 V DC, when operating with two tuner modules*)	300 mA (13 V DC)	N/A	2W
Receiving Sensitivity	90 dB or more, Signal to Noise ratio (20 dB μ V input, 40 kHz deviation)	90 dB or more, Signal to Noise ratio (20 dB μ V input, 40 kHz deviation)	90 dB or more, Signal to Noise ratio (20 dB μ V input, 40 kHz deviation)	80 dB or more (WTU-4800)	0 dB μ V or less (12 dB SINAD)	10 μ V at 45 dBA S/N	-80dBm
Squelch Sensitivity	16 - 40 dB μ V variable	16 - 40 dB μ V variable	16 - 40 dB μ V variable	18 dB μ V (WTU-4800)	6 - 36 dB μ V variable	N/A	N/A
Receiving System	Double super-heterodyne	Double super-heterodyne	Double super-heterodyne	N/A	Double super-heterodyne	N/A	N/A
Mixing Output	MIC/LINE (selectable): -60 dB (MIC)/-20 dB (LINE), 600 Ω , phone jack (unbalanced), 600 Ω XLR-3-32 type connector (balanced)	MIC/LINE (selectable): -60 dB (MIC)/-20 dB (LINE), 600 Ω , phone jack (unbalanced), 600 Ω XLR-3-32 type connector (balanced)	MIC: -60 dB, 600 Ω , balanced, XLR-3-32 type connector, LINE: -20 dB, 600 Ω , unbalanced, phone jack	Mixing/Channel 1 (selectable): -20 dB (+6 dB Max.), 600 Ω , unbalanced, phone jack, 14 dB (+12 dB Max.) 600 Ω , balanced, XLR-3-32 type connector Channel 2: -20 dB (+6 dB Max.), 600 Ω , unbalanced, phone jack	LINE: -22 dB/MIC: -62 dB - 28 dB*, 600 Ω , unbalanced, phone jack LINE/MIC selectable, 600 Ω , balanced, XLR-3-32 type connector Headphone: max. 100 mW 16 Ω , unbalanced, phone jack	Balanced (XLR socket): -16 dBu Unbalanced (1/4" jack socket) : 10 dBu	20 dB (LINE), 600 Ω , phone jack (unbalanced), 600 Ω XLR-3-32 type connector (balanced)
Mixing Input	-20 dB, 10 k Ω , unbalanced, phone jack	-20 dB, 10 k Ω , unbalanced, phone jack	-20 dB, 10 k Ω , unbalanced, phone jack	-20 dB, 10 k Ω , unbalanced, phone jack	N/A	N/A	N/A
Antenna	Whip antenna x2	Whip antenna x2	Rod antenna x2	Whip antenna x2	Whip antenna x2	Whip antenna x2	Whip antenna x2
Antenna Input	75 Ω , BNC (phantom powering for antenna), 9 V DC, 30 mA (max)	75 Ω , BNC (phantom powering for antenna), 9 V DC, 30 mA (max)	N/A	75 Ω , BNC (phantom powering for antenna), 9 V DC, 30 mA (max)	50 Ω , BNC	N/A	N/A
Antenna Output	75 Ω , BNC (Gain 0 dB)	N/A	N/A	75 Ω , BNC (Gain 0 dB)	N/A	N/A	N/A
Squelch System	Tone SQ, Carrier SQ, Noise SQ	Tone SQ, Carrier SQ, Noise SQ	Tone SQ, Carrier SQ, Noise SQ	N/A	Tone SQ, Carrier SQ, Noise SQ	Tone SQ, Carrier SQ, Noise SQ	N/A
Tone Frequency	32.768 kHz	32.768 kHz	32.768 kHz	N/A	32.768 kHz	N/A	N/A
Indicator	Audio (6 step), RF (6 step), ANT A/B, Audio (peak), Battery alarm	Audio (6 step), RF (6 step), ANT A/B, Audio (peak), Battery alarm	ANT A/B, Audio (peak), Battery alarm, Channel number	ANT A/B, Audio (peak), Power	LCD, Power lamp, Mute lamp, ANT A/B lamp	N/A	LCD
Model Feature	N/A	N/A	N/A	*Accepts up to two WTU-4800 Tuner Units	N/A	N/A	*Single or Dual receiver
Channel Check	Usable frequencies scanning	Usable frequencies scanning	Usable frequencies scanning	N/A	N/A	N/A	N/A
Signal to Noise Ratio	110 dB or more (A-weight, unbalanced output)	110 dB or more (A-weight, unbalanced output)	104 dB or more (A-weight, unbalanced output)	102 dB or more (A-weight, balanced output)	110 dB or more (A-weight)	N/A	>95dB
Harmonic Distortion	1 % or less (typical)	1 % or less (typical)	1 % or less (typical)	1 % or less	1 % or less (typical)	1 % or less (typical)	1 % or less (typical)
Frequency Response	100 Hz - 15 kHz, \pm 3 dB	100 Hz - 15 kHz, \pm 3 dB	100 Hz - 15 kHz, \pm 3 dB	50 Hz - 18 kHz, \pm 3 dB	50 Hz - 20 kHz, \pm 3 dB	50 Hz - 15 kHz	N/A



UHF 5000 Series

UHF S Series

Digital S Series



	WT-5800	WT-5805	WT-5810	WT-4820*	S5.3	S4.10	S2.4*
LCD Display	Two-line LCD display	Two-line LCD display	ANT A/B, Audio (peak), Battery alarm, Channel number	ANT A/B, Audio (peak), Power	Two-line LCD display	ANT A/B, Audio (peak), Channel number	ANT A/B, Audio (peak), Channel number, Frequency
Included	AC adapter x1, Whip antenna x2, Rubber foot x 4	AC adapter...1, Whip antenna...2, Rubber foot...4	AC adapter x1	AC adapter x1, Whip antenna x2, Rubber foot x4	CD (PC Monitoring Software) x1	AC Adapter x 1, Microphone Holder W5/16" x 1	N/A
Rack Ears	Mounting bracket kit: MB-WT3 single MB-WT4 dual	Mounting bracket kit: MB-WT3 single MB-WT4 dual	N/A	Mounting bracket kit: MB-WT3 single MB-WT4 dual	MB-15B-BK – single receiver; MB-15B-J - two receivers	19" Rack Mount Kit: MB-S4RX-5-EB	ACC-S2.4 Rack Mount Kit
Finish	Resin, black	Resin, black	Resin, black	Resin, black	Chassis: Steel, dark gray, painting Front panel: Anodized aluminum, silver	Resin, coating	Resin, black
Dimensions	210 (W) x 44 (H) x 205.1 (D) mm (8.27" x 1.73" x 8.07")	210 (W) x 44 (H) x 205.1 (D) mm (8.27" x 1.73" x 8.07")	206 (W) x 40.6 (H) x 152.7 (D) mm (8.11" x 1.6" x 6.01") (excluding antenna)	210 (W) x 44 (H) x 181 (D) mm (8.27" x 1.73" x 7.13")	210 (W) X 46 (H) X 210 (D) mm (8.27" X 1.81" X 8.27") (excluding antenna)	215 (W) x 39 (H) x 102 (D) mm (8.47" X 1.54" X 4.02")	213 (W) X 41.9 (H) X 133.3 (D) mm (8.38" x 1.65" x 5.25")
Weight	700 g (1.54 lb.)	700 g (1.54 lb.)	590 g (1.3 lb.)	770 g (1.71 lb.)	1.3 kg. (2.87 lb.)	480g (1.1 lb.)	Single: 1.4 kg (3.1 lb.) Dual: 1.6 kg (3.5 lb.)

www.toacanada.com
 sales@toacanada.com
 1-800-263-7639