

KENWOOD

REVISION INFORMATION

UHF DIGITAL TRANSCEIVER

TK-D840H, TK-D840H(U), TK-D840

■ OVERVIEW

Add, Market code K, M.

■ DETAILS

COVER SECTION

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description				
Revision		Rev. 001	Rev. 002					
Issue Date		2015/12	2016/02					
Cover Illustration		ILLUSTRATION(ra041_0001.png)	ILLUSTRATION(ra041_0001.png)					
Product Brand		B5B-7224-00	B5B-7224-10					
Copyright		COPYRIGHT (C) 2015 JVC KENWOOD Corporation	COPYRIGHT (C) 2016 JVC KENWOOD Corporation					
0 COVER	9	Copyright 2015 by JVC KENWOOD Corporation. All rights reserved.No part of this manual may be reproduced, translated, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, for any purpose without the prior written permission of JVC KENWOOD Corporation.	Copyright 2016 by JVC KENWOOD Corporation. All rights reserved.No part of this manual may be reproduced, translated, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, for any purpose without the prior written permission of JVC KENWOOD Corporation.					
	23		Service Manual List					
	25		<table border="1"> <tr><td>Manual number</td></tr> <tr><td>Model name</td></tr> <tr><td>Type</td></tr> <tr><td>Remarks</td></tr> </table>	Manual number	Model name	Type	Remarks	
Manual number								
Model name								
Type								
Remarks								
	26		<table border="1"> <tr><td>No.RA041< Rev.001 ></td></tr> <tr><td>TK-D840H</td></tr> <tr><td>K2</td></tr> <tr><td>First edition</td></tr> </table>	No.RA041< Rev.001 >	TK-D840H	K2	First edition	
No.RA041< Rev.001 >								
TK-D840H								
K2								
First edition								

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
	27		TK-D840H(U) K2	
	28		TK-D840 M2,E	
	29		No.RA041< Rev.002 > TK-D840H K,K2 Revised This service manual	
	30	-	TK-D840H(U) K,K2	
	31	-	TK-D840 M,M2,E	
SPECIFICATION	1	(K2,M2 TYPE)	(K,M,K2,M2 TYPE)	
	4	Frequency Range 400~470MHz	Frequency Range K,M 450 ~ 520 MHz	
	5	-	K2,M2 400 ~ 470 MHz	

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
2.1 SYSTEM SET-UP	1	ILLUSTRATION(ra041_2001.png)	ILLUSTRATION(ra041_2001.png)	XML Structure
2.2.4.3 Programming	4	3. Power On the transceiver in User mode. Then, the orange LED turns on and the 7-segment LED displays "PG" on transceiver.	3. Power On the transceiver in User mode.	
2.4.4.2 VCO Circuit	2	The oscillator frequency is controlled by applying the control voltage, which obtained from the phase comparator, to varactor diodes (D5, D9, D10, D11 in transmit mode and D7, D12, D13, D14 in receive mode).	The oscillator frequency is controlled by applying the control voltage, which obtained from the phase comparator, to varactor diodes (D5, D6, D9, D10, D11 in transmit mode and D7, D8, D12, D13, D14 in receive mode).	
2.6.2 MAIN Unit (XC1-107X-XX)	T	2.6.2 MAIN Unit (XC1-1072-71)	2.6.2 MAIN Unit (XC1-107X-XX)	
	80	D5 Variable Capacitance Diode TX VCO tune	D5, D6 Variable Capacitance Diode TX VCO tune	
	81	D7 Variable Capacitance Diode RX VCO tune	D7, D8 Variable Capacitance Diode RX VCO tune	
2.7.2 Main unit (XC1-107X-XX)	T	2.7.2 Main unit (XC1-1072-71)	2.7.2 Main unit (XC1-107X-XX)	

SECTION 4 ADJUSTMENT

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
4.1 K,M,K2,M2 TYPE Test Equipment Required for Alignment	T	4.1 K2, M2 TYPE Test Equipment Required for Alignment	4.1 K,M,K2,M2 TYPE Test Equipment Required for Alignment	
4.2 Frequency and Signaling	4	Channel No. RX (MHz) TX (MHz)	Channel No. K, M K2,M2	

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
	5	-	RX (MHz) TX (MHz) RX (MHz) TX (MHz)	
	6	1 435.05000 435.10000	1 485.05000 485.10000 435.05000 435.10000	
	7	2 400.05000 400.10000	2 450.05000 450.10000 400.05000 400.10000	
	8	3 469.95000 469.90000	3 519.95000 519.90000 469.95000 469.90000	
	9	4 435.00000 435.00000	4 485.00000 485.00000 435.00000 435.00000	
	10	5 435.20000 435.20000	5 485.20000 485.20000 435.20000 435.20000	
	11	6 435.40000 435.40000	6 485.40000 485.40000 435.40000 435.40000	
	12	7~16 - -	7~16 - - - -	
4.3 Preparations for Tuning the Transceiver	6	Tuning point RX (MHz) TX (MHz)	Tuning point K, M K2,M2	
	7	-	RX (MHz) TX (MHz) RX (MHz) TX (MHz)	
	8	Low 400.05000 400.10000	Low 450.05000 450.10000 400.05000 400.10000	
	9	Low' 417.55000 417.60000	Low' 467.55000 467.60000 417.55000 417.60000	

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
	10	Center 435.05000 435.10000	Center 485.05000 485.10000 435.05000 435.10000	
	11	High' 452.55000 452.60000	High' 502.55000 502.60000 452.55000 452.60000	
	12	High 469.95000 469.90000	High 519.95000 519.90000 469.95000 469.90000	
4.3.1 Adjustment item supplement	8	Mid Transmit Power (K type only) Mid Transmit Power is adjusted.	Mid Transmit Power (K,K2 types only) Mid Transmit Power is adjusted.	
4.3.2 Adjustment item	14	6 Mid Transmit Power (K type only) - 5 - TransmitterSection 3	6 Mid Transmit Power (K,K2 types only) - 5 - TransmitterSection 3	
4.4 Radio check Section	4	1. Frequency check 1)Test Channel Channel: 1 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. f. counter ANT Check 435.099347~435.100653M Hz (±1.5ppm@435.1MHz)	1. Frequency check 1)Test Channel Channel: 1 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. f. counter ANT Check 435.099347~435.100653M Hz (±1.5ppm@435.1MHz)(K2,M2) 485.099272~485.100728MHz(±1.5ppm@485.1MHz) (K,M)	
	5	2. High power check 1)Test Channel Channel: 1 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. Power meter Ammeter ANT Check K: 40.0W~50.0W13A or less M: 20.0W~30.0W10A or less	2. High power check 1)Test Channel Channel: 1 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. Power meter Ammeter ANT Check K,K2: 40.0~50.0W 13A or less M,M2: 20.0~30.0W 10A or less	
	6	2)Test Channel Channel: 2 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. Power meter Ammeter ANT Check K: 40.0W~50.0W13A or less M: 20.0W~30.0W10A or less	2)Test Channel Channel: 2 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. Power meter Ammeter ANT Check K,K2: 40.0~50.0W 13A or less M,M2: 20.0~30.0W 10A or less	

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
	7	3)Test Channel Channel: 3 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. Power meter Ammeter ANT Check K: 40.0W~50.0W13A or less M: 20.0W~30.0W10A or less	3)Test Channel Channel: 3 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. Power meter Ammeter ANT Check K,K2: 40.0~50.0W 13A or less M,M2: 20.0~30.0W 10A or less	
	8	2. Mid power check (K type only) 1)Test Channel Channel: 1 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. Power meter Ammeter ANT Check 20.0W~30.0W10A or less	2. Mid power check (K,K2 types only) 1)Test Channel Channel: 1 Test Signaling Mode: Analog Signaling: 1 PTT: Press [Transmit] button. Power meter Ammeter ANT Check 20.0W~30.0W10A or less	
4.5 Common Section	7	4. Frequency 1) Adj item: [Frequency] PTT: Press [Transmit] button. Press [Apply] button to store the adjustment value. 2) Adj item: [Center] f. counter ANT [FPU] [<] [>] 435.100MHz 435.099950~435.100050MHz	4. Frequency 1) Adj item: [Frequency] PTT: Press [Transmit] button. Press [Apply] button to store the adjustment value. 2) Adj item: [Center] f. counter ANT [FPU] [<] [>] 435.100MHz (K2,M2) 485.100MHz (K,M) 435.099565~435.100435MHz (K2,M2) 485.099515~485.100485MHz (K,M)	
4.6 Transmitter Section	5	2. High transmit power 1) Adj item: [High Transmit Power] 2) Adj item: [Low], [Low'], [Center], [High'], [High] PTT: Press [Transmit] button. Press [Apply All] button to store the adjustment value. Power meter Ammeter ANT [FPU] [<] [>] K: 45.0W M: 25.0W ±1.0W K: 13A or less M: 10A or less Press [Apply] button to store the adjustment value whenever each adjustment points have been adjusted.	2. High transmit power 1) Adj item: [High Transmit Power] 2) Adj item: [Low], [Low'], [Center], [High'], [High] PTT: Press [Transmit] button. Press [Apply All] button to store the adjustment value. Power meter Ammeter ANT [FPU] [<] [>] K, K2: 45.0W M, M2: 25.0W K, K2: 13A or less M, M2: 10A or less Press [Apply] button to store the adjustment value whenever each adjustment points have been adjusted.	

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
	6	<p>3. Mid transmit power (K type only)</p> <p>1) Adj item: [Mid Transmit Power]</p> <p>2) Adj item: [Low], [Low'], [Center], [High'], [High]</p> <p>PTT: Press [Transmit] button. Press [Apply All] button to store the adjustment value.</p> <p>Power meter Ammeter</p> <p>ANT</p> <p>[FPU] [<] [>]</p> <p>25.0W</p> <p>±1.0W</p> <p>10A or less</p> <p>Press [Apply] button to store the adjustment value whenever each adjustment points have been adjusted.</p>	<p>3. Mid transmit power (K,K2 types only)</p> <p>1) Adj item: [Mid Transmit Power]</p> <p>2) Adj item: [Low], [Low'], [Center], [High'], [High]</p> <p>PTT: Press [Transmit] button. Press [Apply All] button to store the adjustment value.</p> <p>Power meter Ammeter</p> <p>ANT</p> <p>[FPU] [<] [>]</p> <p>25.0W</p> <p>±1.0W</p> <p>10A or less</p> <p>Press [Apply] button to store the adjustment value whenever each adjustment points have been adjusted.</p>	
	8	<p>5. Balance 1 *1*2</p> <p>1) Adj item: [Balance] Deviation meter LPF : 3kHz HPF : OFF</p> <p>2) Adj item: [Low], [Low'], [Center], [High'], [High]</p> <p>PTT: Press [Transmit] button. Press [Apply All] button to store the adjustment value. [2kHz Sine Wave Check box]: Check while transmitting change to 2kHz.</p> <p>Deviation meter Oscilloscope</p> <p>ANT</p> <p>[FPU] [<] [>]</p> <p>The Deviation of 20Hz frequency is fixed. Change the 2kHz adjustment value to become the same deviation of 20Hz within the specified range.</p> <p>2kHz Tone deviation is within ±0.2dB of 20Hz tone deviation.</p> <p>Press [Apply All] button to store the adjustment value after all adjustment points have been adjusted.</p>	<p>5. Balance 1 *1*2</p> <p>1) Adj item: [Balance] Deviation meter LPF : 3kHz HPF : OFF</p> <p>2) Adj item: [Low], [Low'], [Center], [High'], [High]</p> <p>PTT: Press [Transmit] button. Press [Apply All] button to store the adjustment value. [2kHz Sine Wave Check box]: Check while transmitting change to 2kHz.</p> <p>Deviation meter Oscilloscope</p> <p>ANT</p> <p>[FPU] [<] [>]</p> <p>The Deviation of 20Hz frequency is fixed. Change the 2kHz adjustment value to become the same deviation of 20Hz within the specified range.</p> <p>2kHz Tone deviation is within ±3% of 20Hz tone deviation.</p> <p>Press [Apply All] button to store the adjustment value after all adjustment points have been adjusted.</p>	

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
4.7 Receiver Section	5	<p>2.Sensitivity 1(SENS1)</p> <p>1) Adj item: [Sensitivity 1] 2) Adj item:[Low], [Low'], [Center], [High'], [High] Press [Apply All] button to store the adjustment value. SSG output:-100dBm(2.24μV) (MOD:1kHz±1.5kHz)</p> <p>SSG DVM AF VM Dummy load</p> <p>ANT SP/MIC connector</p> <p>[FPU] [<] [>]</p> <p>Press the "Auto Tuning" [Start] button, or decrease the adjustment value from the preset value to get the maximum RSSI level. Press [Apply All] button to store the adjustment value after all adjustment points have been adjusted.</p> <p>Preset value Low : 320 Low' : 400 Center : 500 High' : 640 High : 800</p> <p>RSSI Peak Caution: Perform the adjustment of "3. Sensitivity 2" before performing this adjustment.</p>	<p>2.Sensitivity 1(SENS1)</p> <p>1) Adj item: [Sensitivity 1] 2) Adj item:[Low], [Low'], [Center], [High'], [High] Press [Apply All] button to store the adjustment value. SSG output:-100dBm(2.24μV) (MOD:1kHz±1.5kHz)</p> <p>SSG DVM AF VM Dummy load</p> <p>ANT SP/MIC connector</p> <p>[FPU] [<] [>]</p> <p>K,M Type Write Preset value. (Fixed value)</p> <p>Low : 160 Low' : 400 Center : 550 High' : 750 High : 920</p> <p>K2,M2 Type Press the "Auto Tuning" [Start] button, or decrease the adjustment value from the preset value to get the maximum RSSI level. Press [Apply All] button to store the adjustment value after all adjustment points have been adjusted.</p> <p>Preset value Low : 320 Low' : 400 Center : 500 High' : 640 High : 800</p> <p>RSSI Peak Caution: Perform the adjustment of "3. Sensitivity 2" before performing this adjustment.</p>	
	6	<p>3.Sensitivity 2(SENS2)</p> <p>1) Adj item: [Sensitivity 2] 2) Adj item:[Low], [Low'], [Center], [High'], [High] Press [Apply All] button to store the adjustment value.</p> <p>SSG DVM AF VM Dummy load</p> <p>ANT SP/MIC connector</p> <p>[FPU] [<] [>]</p> <p>Write Preset value. (Fixed value)</p> <p>Low : 300 Low' : 430 Center : 590 High' : 720 High : 860</p>	<p>3.Sensitivity 2(SENS2)</p> <p>1) Adj item: [Sensitivity 2] 2) Adj item:[Low], [Low'], [Center], [High'], [High] Press [Apply All] button to store the adjustment value.</p> <p>SSG DVM AF VM Dummy load</p> <p>ANT SP/MIC connector</p> <p>[FPU] [<] [>]</p> <p>Write Preset value. (Fixed value)</p> <p>K,M Type Low : 320 Low' : 370 Center : 450 High' : 600 High : 720</p> <p>K2,M2 Type Low : 300 Low' : 430 Center : 590 High' : 720 High : 860</p>	

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
4.13 Transmitter Section	7	<p>4. Balance 1 *1*2</p> <p>1) Adj item: [Balance] Deviation meter LPF : 3kHz HPF : OFF</p> <p>2) Adj item: [Low], [Low'], [Center], [High'], [High] PTT: Press [Transmit] button. Press [Apply All] button to store the adjustment value. [2kHz Sine Wave Check box]: Check while transmitting change to 2kHz.</p> <p>Deviation meter Oscilloscope</p> <p>ANT</p> <p>[FPU] [<] [>]</p> <p>The Deviation of 20Hz frequency is fixed. Change the 2kHz adjustment value to become the same deviation of 20Hz within the specified range.</p> <p>2kHz Tone deviation is within $\pm 0.2\text{dB}$ of 20Hz tone deviation.</p> <p>Press [Apply All] button to store the adjustment value after all adjustment points have been adjusted.</p>	<p>4. Balance 1 *1*2</p> <p>1) Adj item: [Balance] Deviation meter LPF : 3kHz HPF : OFF</p> <p>2) Adj item: [Low], [Low'], [Center], [High'], [High] PTT: Press [Transmit] button. Press [Apply All] button to store the adjustment value. [2kHz Sine Wave Check box]: Check while transmitting change to 2kHz.</p> <p>Deviation meter Oscilloscope</p> <p>ANT</p> <p>[FPU] [<] [>]</p> <p>The Deviation of 20Hz frequency is fixed. Change the 2kHz adjustment value to become the same deviation of 20Hz within the specified range.</p> <p>2kHz Tone deviation is within $\pm 3\%$ of 20Hz tone deviation.</p> <p>Press [Apply All] button to store the adjustment value after all adjustment points have been adjusted.</p>	
4.14 Receiver Section	5	<p>2.Sensitivity 1(SENS1)</p> <p>1) Adj item: [Sensitivity 1] 2) Adj item:[Low], [Low'], [Center], [High'], [High] Press [Apply All] button to store the adjustment value. SSG output: $-118\text{dBm}(0.28\mu\text{V})$ (MOD:1kHz/$\pm 1.5\text{kHz}$)</p> <p>SSG DVM AF VM Dummy load</p> <p>ANT SP/MIC connector</p> <p>[FPU] [<] [>]</p> <p>Press the "Auto Tuning" [Start] button, or decrease the adjustment value from the preset value to get the maximum RSSI level. Press [Apply All] button to store the adjustment value after all adjustment points have been adjusted.</p> <p>Preset value Low : 320 Low' : 400 Center : 500 High' : 640 High : 800</p> <p>RSSI Peak Caution: Perform the adjustment of "3. Sensitivity 2" before performing this adjustment.</p>	<p>2.Sensitivity 1(SENS1)</p> <p>1) Adj item: [Sensitivity 1] 2) Adj item:[Low], [Low'], [Center], [High'], [High] Press [Apply All] button to store the adjustment value. SSG output: $-100\text{dBm}(2.24\mu\text{V})$ (MOD:1kHz/$\pm 1.5\text{kHz}$)</p> <p>SSG DVM AF VM Dummy load</p> <p>ANT SP/MIC connector</p> <p>[FPU] [<] [>]</p> <p>Press the "Auto Tuning" [Start] button, or decrease the adjustment value from the preset value to get the maximum RSSI level. Press [Apply All] button to store the adjustment value after all adjustment points have been adjusted.</p> <p>Preset value Low : 320 Low' : 400 Center : 500 High' : 640 High : 800</p> <p>RSSI Peak Caution: Perform the adjustment of "3. Sensitivity 2" before performing this adjustment.</p>	

SECTION 5 TROUBLESHOOTING

Title	Line	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
5.1 Replacing MAIN Unit	8	-	TK-D840H K XC1-1070-21 XCA-004M-01S (Main Unit Number: XC1-1070-22)	
	9	-	TK-D840HU K XC1-1070-21 XCA-004M-01S (Main Unit Number: XC1-1070-22)	
	10	-	TK-D840 M XC1-1070-21 XCA-004M-01S (Main Unit Number: XC1-1070-22)	
	22	FPU Data (PC programming mode) XC1-107(TK-D840) E type data.	FPU Data (PC programming mode) XC1-107(TK-D840) E, M type data.	
	23	KENWOOD ESN Model Name: TK-D840 Type: E	KENWOOD ESN Model Name: TK-D840 Type: E, M	

STANDARD SCHEMATIC DIAGRAMS

Schematic Diagram

Diagram Name	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
Menu	MAIN UNIT (1/2) (XC1-1072-71)	MAIN UNIT	
Menu	MAIN UNIT (2/2) (XC1-1072-71) ra041_s002.svgz	-	
Menu	DISPLAY UNIT (X54-3890-21)	DISPLAY UNIT	

Printed Circuit Board

Diagram Name	No.RA041<Rev.001>	No.RA041<Rev.002>	Description
Menu	MAIN UNIT (XC1-1072-71)	MAIN UNIT	
Menu	DISPLAY UNIT (X54-3890-21)	DISPLAY UNIT	

PARTS LIST

MODEL No. LIST

Model No.	No.RA041<Rev.002>
TK-D840H(U)_K	06
TK-D840H(U)_K2	07
TK-D840H_K	04
TK-D840H_K2	05
TK-D840_E	03
TK-D840_M	01
TK-D840_M2	02

General assembly [M1MM]

△	Symbol	or	Part No.		Part Name	Description	Qty	Models
			<Rev.001>	<Rev.002>				
	M1MM	1	A02-4073-31	A02-4073-41	PLASTIC CABINET		1	01,02,03,04,05,06,07
	M1MM	5	-----	B10-2794-03	FRONT GLASS		1	01,02,03,04,05,06,07
	M1MM	8	E30-7684-25	E30-7684-35	DC CORD		1	01,02,03,04,05,06,07
	M1MM	23	-----	F10-3183-13	SHIELDING CASE	(Addition)	1	01,04,06
	M1MM	-	-----	XCA-004M-01S	MAIN UNIT	(Addition)	1	01,04,06

MAIN UNIT XC1-1070-21(TK-D840_M,TK-D840H_K,TK-D840HU_K), XC1-1072-71(TK-D840_M2,TK-D840_E,TK-D840H_K2,TK-D840HU_K2) [02]

△	Symbol	or	Part No.		Part Name	Description	Qty	Models
			<Rev.001>	<Rev.002>				
02	IC300		-----	RA60H44521101	IC	(Addition)	1	01,04,06
02	D6		-----	BBY65-02V	VARI CAP DIODE	(Addition)	1	01,04,06
02	D8		-----	BBY65-02V	VARI CAP DIODE	(Addition)	1	01,04,06
02	D9		-----	SMV1130-079LF	VARI CAP DIODE	(Addition)	1	01,04,06
02	D10		-----	SMV1130-079LF	VARI CAP DIODE	(Addition)	1	01,04,06
02	D11		-----	SMV1130-079LF	VARI CAP DIODE	(Addition)	1	01,04,06
02	D12		-----	SMV1130-079LF	VARI CAP DIODE	(Addition)	1	01,04,06
02	D13		-----	SMV1130-079LF	VARI CAP DIODE	(Addition)	1	01,04,06
02	D14		-----	SMV1130-079LF	VARI CAP DIODE	(Addition)	1	01,04,06
02	D15		-----	SMV1130-079LF	VARI CAP DIODE	(Addition)	1	01,04,06
02	C67		-----	CC73HCH1H050B	C CAPACITOR	(Addition)	1	01,04,06
02	C69		-----	CC73HCH1H040B	C CAPACITOR	(Addition)	1	01,04,06
02	C75		-----	CC73HCH1H270G	C CAPACITOR	(Addition)	1	01,04,06
02	C80		-----	CC73HCH1H331J	C CAPACITOR	(Addition)	1	01,04,06
02	C86		-----	CC73HCH1H030B	C CAPACITOR	(Addition)	1	01,04,06
02	C88		-----	CC73HCH1H030B	C CAPACITOR	(Addition)	1	01,04,06
02	C89		-----	CC73HCH1H050B	C CAPACITOR	(Addition)	1	01,04,06
02	C91		-----	CC73HCH1H040B	C CAPACITOR	(Addition)	1	01,04,06
02	C96		-----	CC73HCH1HOR5B	C CAPACITOR	(Addition)	1	01,04,06
02	C101		-----	CC73HCH1H070B	C CAPACITOR	(Addition)	1	01,04,06
02	C102		-----	CC73HCH1H100B	C CAPACITOR	(Addition)	1	01,04,06
02	C103		-----	CC73HCH1H050B	C CAPACITOR	(Addition)	1	01,04,06
02	C104		-----	CC73HCH1H050B	C CAPACITOR	(Addition)	1	01,04,06
02	C112		-----	CC73HCH1H040B	C CAPACITOR	(Addition)	1	01,04,06
02	C117		-----	CC73HCH1H101J	C CAPACITOR	(Addition)	1	01,04,06
02	C336		-----	C93-1839-05	C CAPACITOR	(Addition)	1	01,04,06
02	C351		-----	CC73GCH1H020B	C CAPACITOR	(Addition)	1	01,04,06
02	C352		-----	C93-1831-05	C CAPACITOR	(Addition)	1	01,04,06
02	C355		-----	CC73GCH1H090B	C CAPACITOR	(Addition)	1	01,04,06
02	C357		-----	C93-1838-05	C CAPACITOR	(Addition)	1	01,04,06
02	C359		-----	C93-1831-05	C CAPACITOR	(Addition)	1	01,04,06
02	C360		-----	CM73F2H040D	MICA CAPACITOR	(Addition)	1	01,04,06
02	C363		-----	C93-1831-05	C CAPACITOR	(Addition)	1	01,04,06
02	C364		-----	C93-1842-05	C CAPACITOR	(Addition)	1	01,04,06
02	C370		-----	CC73HCH1H050B	C CAPACITOR	(Addition)	1	01,04,06
02	C372		-----	CC73HCH1H100B	C CAPACITOR	(Addition)	1	01,04,06
02	C381		-----	CC73HCH1H060B	C CAPACITOR	(Addition)	1	01,04,06
02	C566		-----	CC73HCH1H120G	C CAPACITOR	(Addition)	1	01,04,06
02	C567		-----	CC73HCH1H060B	C CAPACITOR	(Addition)	1	01,04,06
02	C568		-----	CC73HCH1H040B	C CAPACITOR	(Addition)	1	01,04,06
02	C570		-----	CC73HCH1H080B	C CAPACITOR	(Addition)	1	01,04,06
02	C571		-----	CC73GCH1H080B	C CAPACITOR	(Addition)	1	01,04,06
02	C573		-----	CC73HCH1H080B	C CAPACITOR	(Addition)	1	01,04,06
02	C582		-----	CC73HCH1H060B	C CAPACITOR	(Addition)	1	01,04,06
02	C585		-----	CC73HCH1H070B	C CAPACITOR	(Addition)	1	01,04,06
02	C587		-----	CC73HCH1H100B	C CAPACITOR	(Addition)	1	01,04,06
02	C588		-----	CC73HCH1H020B	C CAPACITOR	(Addition)	1	01,04,06
02	C590		-----	CC73HCH1H020B	C CAPACITOR	(Addition)	1	01,04,06
02	C592		-----	CC73HCH1H030B	C CAPACITOR	(Addition)	1	01,04,06
02	C595		-----	CC73HCH1H040B	C CAPACITOR	(Addition)	1	01,04,06
02	C596		-----	CC73HCH1H080B	C CAPACITOR	(Addition)	1	01,04,06
02	C597		-----	CC73HCH1H050B	C CAPACITOR	(Addition)	1	01,04,06
02	C599		-----	CC73HCH1H040B	C CAPACITOR	(Addition)	1	01,04,06
02	C600		-----	CC73HCH1H030B	C CAPACITOR	(Addition)	1	01,04,06
02	C601		-----	CC73HCH1H060B	C CAPACITOR	(Addition)	1	01,04,06
02	C603		-----	CC73HCH1H050B	C CAPACITOR	(Addition)	1	01,04,06
02	C604		-----	CC73HCH1H040B	C CAPACITOR	(Addition)	1	01,04,06
02	C605		-----	CC73HCH1H020B	C CAPACITOR	(Addition)	1	01,04,06
02	C608		-----	CC73HCH1H120G	C CAPACITOR	(Addition)	1	01,04,06
02	R36		-----	RK73HB1J561J	MG RESISTOR	(Addition)	1	01,04,06
02	R60		-----	RK73HB1J154J	MG RESISTOR	(Addition)	1	01,04,06
02	R72		-----	RK73HB1J563J	MG RESISTOR	(Addition)	1	01,04,06
02	R74		-----	RK73HB1J391J	MG RESISTOR	(Addition)	1	01,04,06

△	Symbol	or	Part No.		Part Name	Description	Qty	Models
			<Rev.001>	<Rev.002>				
02	R89		-----	RK73HBLJ822J	MG RESISTOR	(Addition)	1	01,04,06
02	R90		-----	RK73HBLJ151J	MG RESISTOR	(Addition)	1	01,04,06
02	R91		-----	RK73HBLJ272J	MG RESISTOR	(Addition)	1	01,04,06
02	R92		-----	RK73HBLJ392J	MG RESISTOR	(Addition)	1	01,04,06
02	R93		-----	RK73HBLJ221J	MG RESISTOR	(Addition)	1	01,04,06
02	R335		-----	RK73GH2A560D	MG RESISTOR	(Addition)	1	01,04,06
02	R344		-----	RK73GH2A121D	MG RESISTOR	(Addition)	1	01,04,06
02	R365		-----	RK73HBLJ000J	MG RESISTOR	(Addition)	1	01,04,06
02	R783		-----	RK73HBLJ333J	MG RESISTOR	(Addition)	1	01,04,06
02	R982		-----	RK73HBLJ000J	MG RESISTOR	(Addition)	1	01,04,06
02	L7		-----	LK73H0AM6N8J	M.CHIP INDUCTOR	(Addition)	1	01,04,06
02	L10		-----	L41-2285-53	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L22		-----	L41-2785-53	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L23		-----	L41-2785-53	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L27		-----	L41-2785-53	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L30		-----	L41-2278-14	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L36		-----	L41-2285-53	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L37		-----	L41-2785-53	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L41		-----	L41-2275-53	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L42		-----	L41-2275-53	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L45		-----	LK73H0AM22NJ	M.CHIP INDUCTOR	(Addition)	1	01,04,06
02	L316		-----	LK73H0AM15NJ	M.CHIP INDUCTOR	(Addition)	1	01,04,06
02	L319		-----	LK73H0AM33NJ	M.CHIP INDUCTOR	(Addition)	1	01,04,06
02	L506		-----	L41-1878-14	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L507		-----	L41-2778-14	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L508		-----	L41-2778-14	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L509		-----	L41-2778-14	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L510		-----	L41-2778-14	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L514		-----	L41-1878-14	CHIP INDUCTOR	(Addition)	1	01,04,06
02	L516		-----	L41-1878-14	CHIP INDUCTOR	(Addition)	1	01,04,06



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Communications Systems Business Unit -