

APPLICANT:
Ericsson Radio Systems AB

Exhibit 10
Parts list
FCC ID NO.
B5KKRC16145

Parts List

<u>Exhibit No.</u>	<u>Paragraph. Ref.</u>	<u>Description</u>
10		Parts List
		Alignment Procedure

FUNCTION OF ACTIVE CIRCUIT DEVICES

Micro Cabinet

Power Supply Unit - PSU (ROA 219 3066/1)

L1	Transformer	Choke Coil
L3	Transformer	Inductor
L4	Transformer	FILTER
T1	Transformer	Transformer
T2	Transformer	PFC inductor/transformer
N1	Micro Circuit	DRIVER, DUAL
N3	Micro Circuit	VOLTAGE COMPARATOR
N5	Micro Circuit	TEMPERATURE TRANSDUCER
N6	Micro Circuit	OP-AMP
N8	Micro Circuit	OP-AMP
N9	Micro Circuit	VOLTAGE REG, POS, ADJ
N10	Micro Circuit	VOLTAGE REG, POS, ADJ
N11	Micro Circuit	Micro Circuit
V19	Micro Circuit	ADJUSTABLE REFERENCE SO-8
V2	Transistor	NCH MOSFET 8A/600V TO247
V11	Transistor	NCH MOSFET 8A/600V TO247
V12	Transistor	BST82
V15	Transistor	2N2222A I SOT-223
V17	Transistor	NPN, 40V, SOT-23
V23	Transistor	BST82
V24	Transistor	NCH MOSFET 8A/600V TO247
V27	Transistor	BST82
V30	Transistor	N CHANNEL FET
V41	Transistor	MOSFET, N-CHANNEL, 30V, 120A
V44	Transistor	BST82
V48	Transistor	MOSFET, N-CHANNEL, 30V, 120A

APPLICANT:
Ericsson Radio Systems AB

Exhibit 10
Parts list
FCC ID NO.
B5KKRC16145

FUNCTION OF ACTIVE CIRCUIT DEVICES

Micro Cabinet

Communication Power Interface - (ROA 219 3067/1)

L1	Transformer	Choke Coil
L2	Transformer	/1.05mH +30/-40% 2A
T1	Transformer	/EMI-PREVENTION,2 CORES,DIP,SMD
T2	Transformer	/EMI-PREVENTION,2 CORES,DIP,SMD
T3	Transformer	/PULSE,transmit and receive
T4	Transformer	/PULSE,transmit and receive

FUNCTION OF ACTIVE CIRCUIT DEVICES

Micro Cabinet

Distribution Switch Board - DXB/6TRX - (ROA 117 3678/3)

L1	Transformer	/390NH 0.47A 1008
L2	Transformer	/390NH 0.47A 1008
L3	Transformer	/330NH 0.45A 1008
T6	Transformer	/TRANSFORMER
T7	Transformer	/TRANSFORMER
Q4	Transistor	/PLANAR EPITAX.NPN.TR. SOT-23
Q5	Transistor	/PNP 45V 500MA SOT-323
Z1	Oscillator	/5.0000 MHZ
Z18	Oscillator	/EPIC-1
Z7	Oscillator	/13.0000MHZ
Z39	Oscillator	/50MHZ
Z50	Oscillator	/32,768MHZ
Z119	Oscillator	/1.544MHZ SMD
Z2	Micro Circuit	/REF03
Z3	Micro Circuit	/MC34072
Z4	Micro Circuit	/7538 D/A CONVERTER
Z6	Micro Circuit	/ASIC PICASSO
Z9	Micro Circuit	/74HCT174 6X1 D-TYPE FF
Z14	Micro Circuit	/LXT360 TRANSCIEVER
Z15	Micro Circuit	/LXT360 TRANSCIEVER
Z16	Micro Circuit	/IC 2035 ACFA
Z17	Micro Circuit	/IC 2035 ACFA
Z20	Micro Circuit	/74ACT138 3-8 DEMULTIPLEXER
Z22	Micro Circuit	/74'244 HCT 8xBUFF/LINE DRIV 3S
Z25	Micro Circuit	/74'244 HCT 8xBUFF/LINE DRIV 3S
Z30	Micro Circuit	/74HCT174 6X1 D-TYPE FF
Z31	Micro Circuit	/74'541 HCT 8x BUS BUFFER 3S
Z33	Micro Circuit	/74'541 HCT 8x BUS BUFFER 3S
Z38	Micro Circuit	/29243-25 3,3V E2
Z42	Micro Circuit	/MUNICH32 V3.2
Z46	Micro Circuit	/32K8 SRAM 85 NS
Z47	Micro Circuit	/32K8 SRAM 85 NS
Z48	Micro Circuit	/32K8 SRAM 85 NS
Z49	Micro Circuit	/32K8 SRAM 85 NS
Z53	Micro Circuit	/IC 705 SUPERVISORY CIRCUIT
Z79	Micro Circuit	/74ACT04 6X1 INVERTER
Z80	Micro Circuit	/74ACT245 8XBUSTANCEIVER TS
Z95	Micro Circuit	/DRAM 2M8 50NS 5.0V
Z96	Micro Circuit	/DRAM 2M8 50NS 5.0V
Z97	Micro Circuit	/DRAM 2M8 50NS 5.0V
Z98	Micro Circuit	/DRAM 2M8 50NS 5.0V
Z99	Micro Circuit	/75176
Z100	Micro Circuit	/74'32 HCT 4x2 OR GATE
Z102	Micro Circuit	/TRANSCIEVER, DUAL

FUNCTION OF ACTIVE CIRCUIT DEVICES

Z103	Micro Circuit	/FLASH 2M8 70NS 5.0V
Z104	Micro Circuit	/FLASH 2M8 70NS 5.0V
Z105	Micro Circuit	/FLASH 2M8 70NS 5.0V
Z106	Micro Circuit	/FLASH 2M8 70NS 5.0V
Z103	Micro Circuit	/FLASH 1M16 70NS SVT
Z104	Micro Circuit	/FLASH 1M16 70NS SVT
Z105	Micro Circuit	/FLASH 1M16 70NS SVT
Z106	Micro Circuit	/FLASH 1M16 70NS SVT
Z107	Micro Circuit	/EEPROM 128X16 MICROWIRE
Z108	Micro Circuit	/74'08 ACT 4x2-INP AND GATE
Z109	Micro Circuit	/DRAM 4M1 50NS 5.0V
Z110	Micro Circuit	/DRAM 4M1 50NS 5.0V
Z111	Micro Circuit	/DRAM 4M1 50NS 5.0V
Z112	Micro Circuit	/DRAM 4M1 50NS 5.0V
Z116	Micro Circuit	/74ACT74 2XD FLIP-FLOP
Z123	Micro Circuit	/74'166 HCT 8-BIT P-IN/S-OUT SR
Z124	Micro Circuit	/74'166 HCT 8-BIT P-IN/S-OUT SR
Z129	Micro Circuit	/74ACT86 4X2 EXOR
Z130	Micro Circuit	/74'244 HCT 8xBUFF/LINE DRIV 3S
Z132	Micro Circuit	/OP-AMP,LOW VOLTAGE,LMC7101AIM5
Z133	Micro Circuit	/MAX809T RESET CIRCUIT 3.08V

FUNCTION OF ACTIVE CIRCUIT DEVICES

Micro Cabinet

Transceiver Control Board - TCB/6TRX A5/1-2 (ROA 117 3677/1)

L1	Transformer	/10UH 0.3A
L2	Transformer	/390NH 0.47A 1008
L3	Transformer	/390NH 0.47A 1008
L4	Transformer	/390NH 0.47A 1008
L5	Transformer	/390NH 0.47A 1008
L6	Transformer	/330NH 0.45A 1008
L7	Transformer	/330NH 0.45A 1008
L8	Transformer	/330NH 0.45A 1008
L9	Transformer	/330NH 0.45A 1008
L10	Transformer	/330NH 0.45A 1008
L11	Transformer	/330NH 0.45A 1008
L12	Transformer	/330NH 0.45A 1008
L13	Transformer	/330NH 0.45A 1008
L14	Transformer	/220NH 0.5A 1008
L15	Transformer	/220NH 0.5A 1008
L16	Transformer	/220NH 0.5A 1008
L17	Transformer	/220NH 0.5A 1008
L18	Transformer	/180NH 0.62A 1008
L19	Transformer	/180NH 0.62A 1008
L20	Transformer	/180NH 0.62A 1008
L21	Transformer	/180NH 0.62A 1008
V7	Transistor	/P-CHANNEL,DMOS,SOT223
V8	Transistor	/P-CHANNEL,DMOS,SOT223
V11	Transistor	/N-CH,FET,SOT-23 ,BSS138
V12	Transistor	/N-CH,FET,SOT-23 ,BSS138
Z1	Oscillator	/26.000MHZ
Z4	Micro Circuit	/74AC74 2XD FLIP-FLOP
Z7	Micro Circuit	/74HC32
Z8	Micro Circuit	/74HC32
Z20	Micro Circuit	/74'08 ACT 4x2-INP AND GATE
Z21	Micro Circuit	/74'08 ACT 4x2-INP AND GATE
Z23	Micro Circuit	/74AC04 6X1 INVERTER
Z24	Micro Circuit	/74AC04 6X1 INVERTER
Z25	Micro Circuit	/74LCX245 8 X BUS TRANSCEIVER T
Z26	Micro Circuit	/74LCX245 8 X BUS TRANSCEIVER T
Z27	Micro Circuit	/74LCX245 8 X BUS TRANSCEIVER T
Z28	Micro Circuit	/74LCX245 8 X BUS TRANSCEIVER T
Z30	Micro Circuit	/LP2951A
Z41	Micro Circuit	/MC34072
Z42	Micro Circuit	/PMB2306T
Z45	Micro Circuit	/EEPROM 8K8 SPI 2.7V-5.5 I
Z46	Micro Circuit	/EEPROM 8K8 SPI 2.7V-5.5 I
Z49	Micro Circuit	/DRAM 2M8 50NS 3.3V EDO
Z50	Micro Circuit	/DRAM 2M8 50NS 3.3V EDO

FUNCTION OF ACTIVE CIRCUIT DEVICES

Z51	Micro Circuit	/DRAM 2M8 50NS 3.3V EDO
Z52	Micro Circuit	/DRAM 2M8 50NS 3.3V EDO
Z53	Micro Circuit	/DRAM 2M8 50NS 3.3V EDO
Z54	Micro Circuit	/DRAM 2M8 50NS 3.3V EDO
Z55	Micro Circuit	/DRAM 2M8 50NS 3.3V EDO
Z56	Micro Circuit	/DRAM 2M8 50NS 3.3V EDO
Z58	Micro Circuit	/SRAM 64K16 15NS 5.0V
Z60	Micro Circuit	/SRAM 64K16 15NS 5.0V
Z63	Micro Circuit	/44-PLCC 82525
Z64	Micro Circuit	/44-PLCC 82525
Z65	Micro Circuit	/29243-25 3,3V E2
Z66	Micro Circuit	/29243-25 3,3V E2
Z85	Micro Circuit	/74HC32
Z87	Micro Circuit	/LOW DROPOUT 5V POS VOLT
Z96	Micro Circuit	/MC34072
Z97	Micro Circuit	/74AC86 4X2 EXOR
Z99	Micro Circuit	/50MHZ
Z100	Micro Circuit	/82B715 I2C-BUS EXPANDER
Z102	Micro Circuit	/74AC08 4X2 AND
Z103	Micro Circuit	/74'74 ACTQ 2xD FLIP-FLOP
Z106	Micro Circuit	/DSP 1620
Z107	Micro Circuit	/DSP 1620
Z108	Micro Circuit	/DSP 1620
Z109	Micro Circuit	/DSP 1620
Z110	Micro Circuit	/DSP 1620
Z111	Micro Circuit	/DSP 1620
Z112	Micro Circuit	/3384 10x BUS SWITCH
Z113	Micro Circuit	/3384 10x BUS SWITCH
Z114	Micro Circuit	/3384 10x BUS SWITCH
Z115	Micro Circuit	/3384 10x BUS SWITCH
Z116	Micro Circuit	/3384 10x BUS SWITCH
Z117	Micro Circuit	/3384 10x BUS SWITCH
Z118	Micro Circuit	/3384 10x BUS SWITCH
Z119	Micro Circuit	/3384 10x BUS SWITCH
Z120	Micro Circuit	/74ACT244 8XLINE DRIVER TS
Z121	Micro Circuit	/74ACT244 8XLINE DRIVER TS
Z122	Micro Circuit	/SRAM 64K16 15NS 3.3V
Z123	Micro Circuit	/SRAM 64K16 15NS 3.3V
Z126	Micro Circuit	/74'32 HCT 4x2 OR GATE
Z127	Micro Circuit	/74HCT174 6X1 D-TYPE FF
Z128	Micro Circuit	/74 ACTQ 574
Z129	Micro Circuit	/74 ACTQ 574
Z130	Micro Circuit	/74HC164
Z131	Micro Circuit	/74HC164
Z132	Micro Circuit	/74ACT125 4XBUFFER TS
Z133	Micro Circuit	/74HC163
Z134	Micro Circuit	/74HC163
Z135	Micro Circuit	/74HC74

FUNCTION OF ACTIVE CIRCUIT DEVICES

Z136	Micro Circuit	/74HC04
Z137	Micro Circuit	/74'153 ACT 2x4-INP MULTIPLEXER
Z140	Micro Circuit	/74'541 HCT 8x BUS BUFFER
Z141	Micro Circuit	/74'541 HCT 8x BUS BUFFER
Z142	Micro Circuit	/74'153 HC 2X4 MULTIPLEXER
Z143	Micro Circuit	/2.93V SUPERVISORY
Z146	Micro Circuit	/MAX809 RESET CIRCUIT 4.63V
Z147	Micro Circuit	/MAX809T RESET CIRCUIT 3.08V
Z148	Micro Circuit	/DRAM 4M4 50NS 3.3V EDO
Z149	Micro Circuit	/DRAM 4M4 50NS 3.3V EDO
Z150	Micro Circuit	/DRAM 4M4 50NS 3.3V EDO
Z151	Micro Circuit	/DRAM 4M4 50NS 3.3V EDO
Z152	Micro Circuit	/DRAM 4M4 50NS 3.3V EDO
Z153	Micro Circuit	/DRAM 4M4 50NS 3.3V EDO
Z154	Micro Circuit	/DRAM 4M4 50NS 3.3V EDO
Z155	Micro Circuit	/DRAM 4M4 50NS 3.3V EDO
Z156	Micro Circuit	/7SZ08 2-INP AND GATE
Z157	Micro Circuit	/7SZ04 INVERTER
Z158	Micro Circuit	/74'166 HCT 8-BIT P-IN/S-OUT SR
Z161	Micro Circuit	/74ACT125 4XBUFFER TS
Z162	Micro Circuit	/FLASH,512KX8,120NS,2.7V
Z163	Micro Circuit	/FLASH,512KX8,120NS,2.7V

FUNCTION OF ACTIVE CIRCUIT DEVICES

Transmitter Unit - DTX GSM 1900 (ROA 117 4664/1)

T1	Transformer	/BALUN 50/200 OHM 1960 MHZ
T2	Transformer	/BALUN 50/200 OHM 1960 MHZ
T3	Transformer	/BALUN 50/200 OHM 1960 MHZ
T4	Transformer	/BALUN 50/200 OHM 1960 MHZ
T7	Transformer	/SMD TRANSFORMER 4:1
V1	Transistor	/CLY2
V2	Transistor	/BCP56-10
V3	Transistor	/BCP56-10
V4	Transistor	/BCP56-10
V5	Transistor	/BCP56-10
V6	Transistor	/SI.AF TRANS.PNP,SOT-223
V21	Transistor	/SOT-23 BCX71J
V22	Transistor	/SOT-23 BCX71J
V23	Transistor	/SOT-23 BCX71J
V31	Transistor	/SOT-23 BCX70J
V33	Transistor	/CLY5
V34	Transistor	/PTB20180
V38	Transistor	/BCP56-10
V39	Transistor	/SOT-23 BCX70J
V43	Transistor	/SOT-23 BCX71J

FUNCTION OF ACTIVE CIRCUIT DEVICES

Micro Cabinet

Receiver Unit - RXU 1900 QUSIN - (ROA 117 3581/1)

L100	Transformer	/1UH 460MA 1008
L101	Transformer	/18NH 600MA SMD
L102	Transformer	/18NH 600MA SMD
L103	Transformer	/4.7UH 330MA 1008
L104	Transformer	/4.7UH 330MA 1008
L200	Transformer	/220NH 10% 400MA SMD
L204	Transformer	/3,3NH +/-0,3NH 0805
L208	Transformer	/220NH 10% 400MA SMD
L209	Transformer	/3,3NH +/-0,3NH 0805
L300	Transformer	/220NH 10% 400MA SMD
L301	Transformer	/27NH 2% 1A 1008
L303	Transformer	/27NH 2% 1A 1008
L304	Transformer	/33NH 2% 1A 1008
L306	Transformer	/33NH 2% 1A 1008
L307	Transformer	/27NH 2% 1A 1008
L309	Transformer	/27NH 2% 1A 1008
L310	Transformer	/33NH 2% 1A 1008
L312	Transformer	/33NH 2% 1A 1008
T200	Transformer	/BALUN 50/50 OHM 1880 MHZ
T201	Transformer	/BALUN 50/50 OHM 1880 MHZ
T202	Transformer	/SMD TRANSFORMER
T203	Transformer	/SMD TRANSFORMER
T300	Transformer	/SMD TRANSFORMER 4:1
N300	Micro Circuit	/ASIC QIM
N400	Micro Circuit	/CMOS SIGMA DELTA MODULATOR
N401	Micro Circuit	/CMOS SIGMA DELTA MODULATOR
N402	Micro Circuit	/CMOS SIGMA DELTA MODULATOR
N403	Micro Circuit	/CMOS SIGMA DELTA MODULATOR
Z204	Micro Circuit	/7805
Z205	Micro Circuit	/7805
Z206	Micro Circuit	/SERIAL DIGITAL OUTPUT THERM.
Z207	Micro Circuit	/7S04 INVERTER SSOP5-P
Z208	Micro Circuit	/7S04 INVERTER SSOP5-P
Z300	Micro Circuit	/RYT 901 6148/1
Z303	Micro Circuit	/2951-03
Z304	Micro Circuit	/LP2951A
Z305	Micro Circuit	/LP2951A
Z400	Micro Circuit	/2951-03
Z401	Micro Circuit	/2951-03
Z402	Micro Circuit	/1485 RS485 LINE TRANSCEIVER
Z500	Micro Circuit	/ASIC QBIQ
Z501	Micro Circuit	/7805
Z505	Micro Circuit	/EEPROM 8K8 SPI 5.0V I
Z560	Micro Circuit	/LDO POS 3.3V REGULATOR

APPLICANT:
Ericsson Radio Systems AB

Exhibit 10
Parts list
FCC ID NO.
B5KKRC16145

FUNCTION OF ACTIVE CIRCUIT DEVICES

Micro Cabinet

Distribution Plane - (ROA 219 2057/1)

N1	Micro Cicuit	/TEMPERATURE TRANSDUCER
N2	Micro Cicuit	/TEMPERATURE TRANSDUCER

APPLICANT:
Ericsson Radio Systems AB

Exhibit 10
Alignment Procedure
FCC ID NO.
B5KKRC16145

ALIGNMENT PROCEDURE

Alignment Procedure

All the necessary adjustments will be set in the factory, and no adjustments are needed. The output power level is remotely controlled by the Base Station Controller (BSC). If the TRX is not able to maintain the requirements for power output, frequency stability, etc an alarm is sent to the BSC. On severe faults the TRX will disable transmission.