

2. Technical Description {2.983(d)}

2.1 Type of Emission {2.983(d)(1)}

800MHz: 40K0F8W, 40K0F1D, 27K8DXW, 28K8GXW
1900MHz: 27K8DXW

2.2 Frequency Range {2.983(d)(2)}

824 MHz to 849 MHz, 1850 MHz to 1910 MHz

2.3 Power Rating {2.983(d)(3-5)}

	A800MHz	D800MHz	1900MHz
(1) Input Power for Final Amplifier	4 dBm	4 dBm	0 dBm
(2) Input Voltage for Final Amplifier	4.8 V	4.8 V	4.8 V
(3) Input Current for Final Amplifier	650 mA	340 mA	400 mA
(4) Rated Output Power	0.26 W ERP	0.31 W ERP	0.67W EIRP
Based on antenna gain values (from measurements) of			
-1.84dBd	800MHz band		
+0.45dBd	1900MHz band		

2.4 Functions of All Active Devices {2.983(d)(6)}

Table 2.4-1 Active Devices of Transceiver Unit

Symbol	Part Number	Manufacture	Function
IC 101	TA75S393F-TE85R	TOSHIBA	IC
IC 106	RN5RG33AA-TR	RICOH	IC
IC 107	TK11233BMCL	TOKO	IC
IC 108	TK11333BMCL	TOKO	IC
IC 109	RN5RL32AA-TR	RICOH	IC
IC 110	RN5VD18CA-TR	RICOH	IC
IC 111	TK11233BMCL	TOKO	IC
IC 112	TK11233BMCL	TOKO	IC
IC 180	H8S_2655	HITACHI	IC
IC 181	FX589D5	CML	IC
IC 182	TC55257		IC
IC 183	TC7W08FU-TE12L	TOSHIBA	IC
IC 185	TA75S01F-TE85R	TOSHIBA	IC
IC 186	TA75S01F-TE85R	TOSHIBA	IC
IC 201	PCI3601	PRAIRIECOMM	IC
IC 202	PCI3602	PRAIRIECOMM	IC
IC 203	TE28160B3T		IC
IC 204	TC55040FT		IC

