REGISTER MAPS

REGISTER 0

RESERVED	16-BIT INTEGER VALUE (INT)															12-BIT FRACTIONAL VALUE (FRAC)												CONTROL BITS		
DB31	DB30	DB29	DB28	DB27	DB26	DB25	DB24	DB23	DB22	DB21	DB20	DB19	DB18	DB17	DB16	DB15	DB14	DB13	DB12	DB11	DB10	DB9	DB8	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	N16	N15	N14	N13	N12	N11	N10	N9	N8	N7	N6	N5	N4	N3	N2	N1	F12	F11	F10	F9	F8	F7	F6	F5	F4	F3	F2	F1	C3(0)	C2(0)	C1(0)
										1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REGISTER 1

RESERVED			PHASE ADJUST	PRESCALER	12-BIT PHASE VALUE (PHASE) DBR[1]											12-BIT MODULUS VALUE (MOD) DBR[1]												CONTROL BITS		
DB31	DB30	DB29	DB28	DB27	DB26	DB25	DB24	DB23	DB22	DB21	DB20	DB19	DB18	DB17	DB16	DB15	DB14	DB13	DB12	DB11	DB10	DB9	DB8	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	0	PH1	PR1	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	M12	M11	M10	M9	M8	M7	M6	M5	M4	M3	M2	M1	C3(0)	C2(0)	C1(1)
					1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

REGISTER 2

RESERVED	LOW NOISE AND LOW SPUR MODES		MUXOUT			REFERENCE DOUBLER DBR[1]	RDIV2 DBR[1]	10-BIT R COUNTER DBR[1]										DOUBLE BUFFER	CHARGE PUMP CURRENT SETTING DBR[1]				LDF	LDP	PD POLARITY	POWER-DOWN	CP THREE-STATE	COUNTER RESET	CONTROL BITS		
DB31	DB30	DB29	DB28	DB27	DB26	DB25	DB24	DB23	DB22	DB21	DB20	DB19	DB18	DB17	DB16	DB15	DB14	DB13	DB12	DB11	DB10	DB9	DB8	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	L2	L1	M3	M2	M1	RD2	RD1	R10	R9	R8	R7	R6	R5	R4	R3	R2	R1	D1	CP4	CP3	CP2	CP1	U6	U5	U4	U3	U2	U1	C3(0)	C2(1)	C1(0)
			1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	0	0	0	1	0

REGISTER 3

RESERVED								BAND SELECT CLOCK MODE	ABP	CHARGE CANCEL	RESERVED		CSR	RESERVED	CLK DIV MODE		12-BIT CLOCK DIVIDER VALUE											CONTROL BITS		
DB31	DB30	DB29	DB28	DB27	DB26	DB25	DB24	DB23	DB22	DB21	DB20	DB19	DB18	DB17	DB16	DB15	DB14	DB13	DB12	DB11	DB10	DB9	DB8	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	0	0	0	0	0	0	F4	F3	F2	0	0	F1	0	C2	C1	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	C3(0)	C2(1)	C1(1)
																					1	0	0	1	0	1	1	0	0	1	1

REGISTER 4

RESERVED								FEEDBACK SELECT	DBB[2] RF DIVIDER SELECT			8-BIT BAND SELECT CLOCK DIVIDER VALUE								VCO POWER-DOWN	MTLD	AUX OUTPUT SELECT	AUX OUTPUT ENABLE	AUX OUTPUT POWER		RF OUTPUT ENABLE	OUTPUT POWER		CONTROL BITS		
DB31	DB30	DB29	DB28	DB27	DB26	DB25	DB24	DB23	DB22	DB21	DB20	DB19	DB18	DB17	DB16	DB15	DB14	DB13	DB12	DB11	DB10	DB9	DB8	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	0	0	0	0	0	0	D13	D12	D11	D10	BS8	BS7	BS6	BS5	BS4	BS3	BS2	BS1	D9	D8	D7	D6	D5	D4	D3	D2	D1	C3(1)	C2(0)	C1(0)

REGISTER 5

RESERVED								LD PIN MODE		RESERVED	RESERVED		RESERVED																CONTROL BITS		
DB31	DB30	DB29	DB28	DB27	DB26	DB25	DB24	DB23	DB22	DB21	DB20	DB19	DB18	DB17	DB16	DB15	DB14	DB13	DB12	DB11	DB10	DB9	DB8	DB7	DB6	DB5	DB4	DB3	DB2	DB1	DB0
0	0	0	0	0	0	0	0	D15	D14	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C3(1)	C2(0)	C1(1)

[1]DBR = DOUBLE-BUFFERED REGISTER—BUFFERED BY THE WRITE TO REGISTER 0.
[2]DBB = DOUBLE-BUFFERED BITS—BUFFERED BY THE WRITE TO REGISTER 0, IF AND ONLY IF DB13 OF REGISTER 2 IS HIGH.

09600-023

Figure 23. Register Summary