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Table 1

TEL2 uQPM ACNET Devices:

ACNET	PEP									R/W	
Device Name	**Accessor Name**	**Packet ID#**	**Server #**	**Index**	**Count**	**Units**	**Format**	**Scaling**	**FTP**	**BS/BC**	**Description**
T:L2QxL1	uQPM_CoefLim	6	z	0	1	Henry	FLT4	1	no	R/W	TEL2 Qy Absolute Circuit Inductance #1
T:L2QxL2	uQPM_CoefLim	6	z	1	1	Henry	FLT4	1	no	R/W	TEL2 Qy Absolute Circuit Inductance #2
T:L2QxR1	uQPM_CoefLim	6	z	2	1	Ohms	FLT4	1	no	R/W	TEL2 Qy Circuit Resistance #1
T:L2QxR2	uQPM_CoefLim	6	z	3	1	Ohms	FLT4	1	no	R/W	TEL2 Qy Circuit Resistance #2
T:L2QxQP	uQPM_CoefLim	6	z	4	1	Volts	FLT4	1	no	R/W	TEL2 Qy Abs Vq + Limit
T:L2QxQM	uQPM_CoefLim	6	z	5	1	Volts	FLT4	1	no	R/W	TEL2 Qy Abs Vq - Limit
T:L2QxIP	uQPM_CoefLim	6	z	6	1	Amps	FLT4	1	no	R/W	TEL2 Qy I Plus Limit
T:L2QxIM	uQPM_CoefLim	6	z	7	1	Amps	FLT4	1	no	R/W	TEL2 Qy I Minus Limit
T:L2QxLI	uQPM_CoefLim	6	z	8	1	Ohms	FLT4	1	no	R/W	TEL2 Qy Lead1 R
T:L2QxLA	uQPM_CoefLim	6	z	9	1	Ohms	FLT4	1	no	R/W	TEL2 Qy Lead1 R Lo Tolerance
T:L2QxLB	uQPM_CoefLim	6	z	10	1	Ohms	FLT4	1	no	R/W	TEL2 Qy Lead1 R Hi Tolerance
T:L2QxLJ	uQPM_CoefLim	6	z	11	1	Ohms	FLT4	1	no	R/W	TEL2 Qy Lead2 R
T:L2QxLC	uQPM_CoefLim	6	z	12	1	Ohms	FLT4	1	no	R/W	TEL2 Qy Lead2 R Lo Tolerance
T:L2QxLD	uQPM_CoefLim	6	z	13	1	Ohms	FLT4	1	no	R/W	TEL2 Qy Lead2 R Hi Tolerance
T:L2QxLE	uQPM_CoefLim	6	z	14	1	Volts	FLT4	1	no	R/W	TEL2 Qy Lead1 V Lo Offset
T:L2QxLF	uQPM_CoefLim	6	z	15	1	Volts	FLT4	1	no	R/W	TEL2 Qy Lead1 V Hi Offset
T:L2QxLG	uQPM_CoefLim	6	z	16	1	Volts	FLT4	1	no	R/W	TEL2 Qy Lead2 V Lo Offset
T:L2QxLH	uQPM_CoefLim	6	z	17	1	Volts	FLT4	1	no	R/W	TEL2 Qy Lead2 V Hi Offset
T:L2QxH1	uQPM_CoefLim	6	z	18	1	Henry	FLT4	1	no	R/W	TEL2 Qy Relative Circuit Inductance #1
T:L2QxH2	uQPM_CoefLim	6	z	19	1	Henry	FLT4	1	no	R/W	TEL2 Qy Relative Circuit Inductance #2
T:L2QxRP	uQPM_CoefLim	6	z	20	1	Volts	FLT4	1	no	R/W	TEL2 Qy Rel Vq + Limit
T:L2QxRM	uQPM_CoefLim	6	z	21	1	Volts	FLT4	1	no	R/W	TEL2 Qy Rel Vq - Limit
T:L2QxC1	uQPM_Rolloff	7	z	0	1	Hertz	FLT4	1	no	R/W	TEL2 Qy Vq Absolute Rolloff Cutoff Freq
T:L2QxC2	uQPM_Rolloff	7	z	1	1	Hertz	FLT4	1	no	R/W	TEL2 Qy Lead Rolloff Cutoff Freq
T:L2QxC3	uQPM_Rolloff	7	z	2	1	Hertz	FLT4	1	no	R/W	TEL2 Qy Vq Relative Rolloff Cutoff Freq
T:L2QxST	uQPM_Reset	11	z	0	1	none	UNT4	1	no	BC	TEL2 Qy Statis Reset
same	uQPM_Status	12	z	0	1	none	UNT4	1	no	BS	TEL2 Qy Status
T:L2QxBT	eCosReboot	5	z	0	1	none	UNT4	1	no	BS/BC	TEL2 Qy Reboot
T:L2QxCB	uQPMCirBuf	2	z	0	1	various	FLT4	1	yes	R	TEL2 Qy Circular Buffer
T:L2QxV1	uQPMCirBuf	2	z	5	1	Volts	FLT4	1	yes	R	TEL2 Qy Cell Voltage #1 Meas
T:L2QxV2	uQPMCirBuf	2	z	6	1	Volts	FLT4	1	yes	R	TEL2 Qy Cell Voltage #2 Meas
T:L2QxVM	uQPMCirBuf	2	z	7	1	Volts	FLT4	1	yes	R	TEL2 Qy Cell Voltage Meas
T:L2QxVC	uQPMCirBuf	2	z	8	1	Volts	FLT4	1	yes	R	TEL2 Qy Cell Voltage
T:L2QxI	uQPMCirBuf	2	z	14	1	Amps	FLT4	1	yes	R	TEL2 Qy Magnet Current
T:L2QxD1	uQPMCirBuf	2	z	31	1	Volts	FLT4	1	yes	R	TEL2 Qy Lead #1 Voltage
T:L2QxD2	uQPMCirBuf	2	z	36	1	Volts	FLT4	1	yes	R	TEL2 Qy Lead #2 Voltage
T:L2QxQA	uQPMCirBuf	2	z	23	1	Volts	FLT4	1	yes	R	TEL2 Qy Abs Quench Voltage
T:L2QxQ1	uQPMCirBuf	2	z	27	1	Volts	FLT4	1	yes	R	TEL2 Qy Cell #1 Rel Quench Voltage
T:L2QxQ2	uQPMCirBuf	2	z	28	1	Volts	FLT4	1	yes	R	TEL2 Qy Cell #2 Rel Quench Voltage

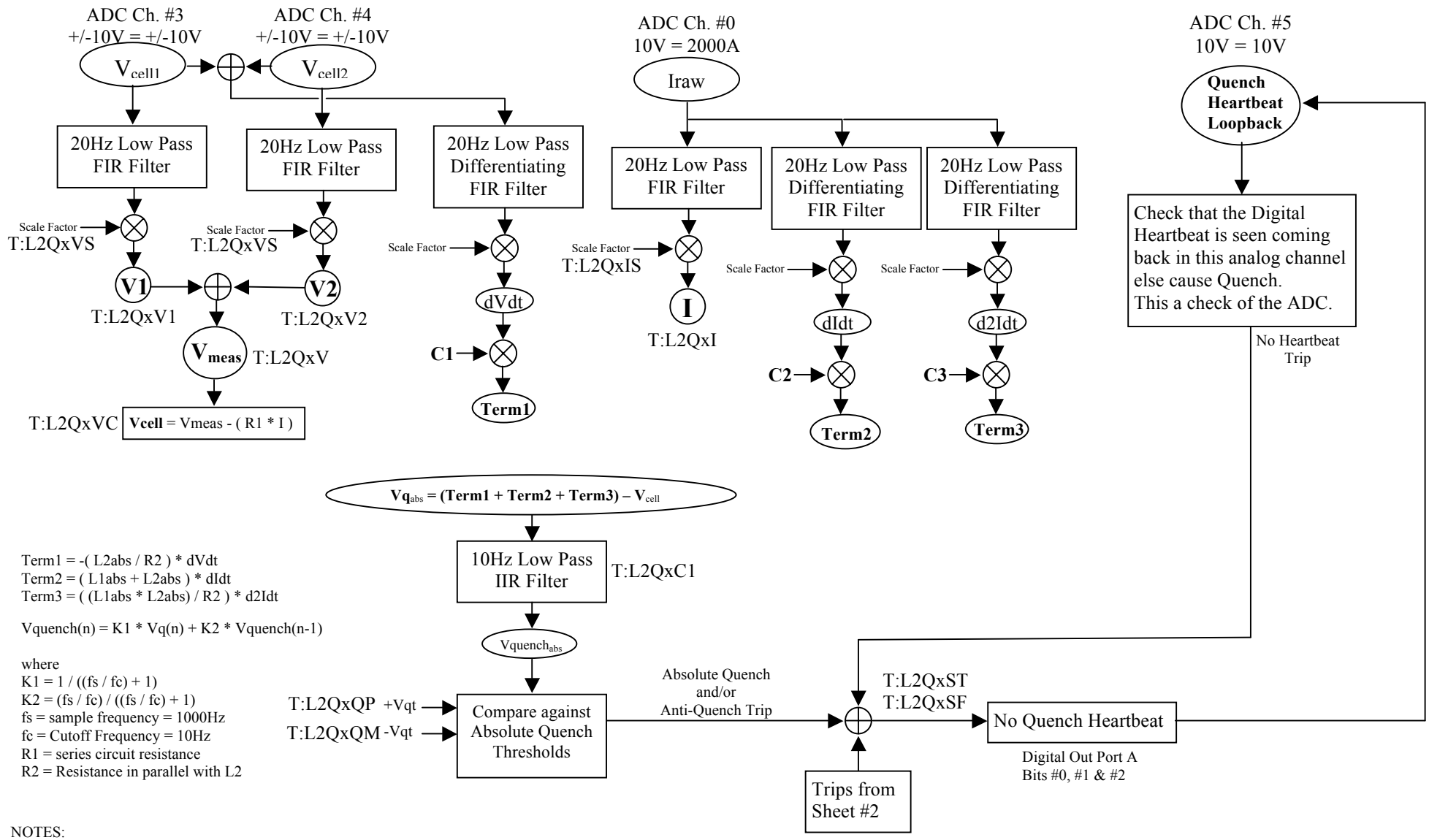
Where: **x** = M, 1, 2, 3, 4, 5, 6 **y** = SM, SC1, SC2, SC3, SC4, LC1, LC2 **z** = 40, 41, 42, 43, 44, 45, 46

Tabel 2

TEL2 uQPM ACNET Devices:

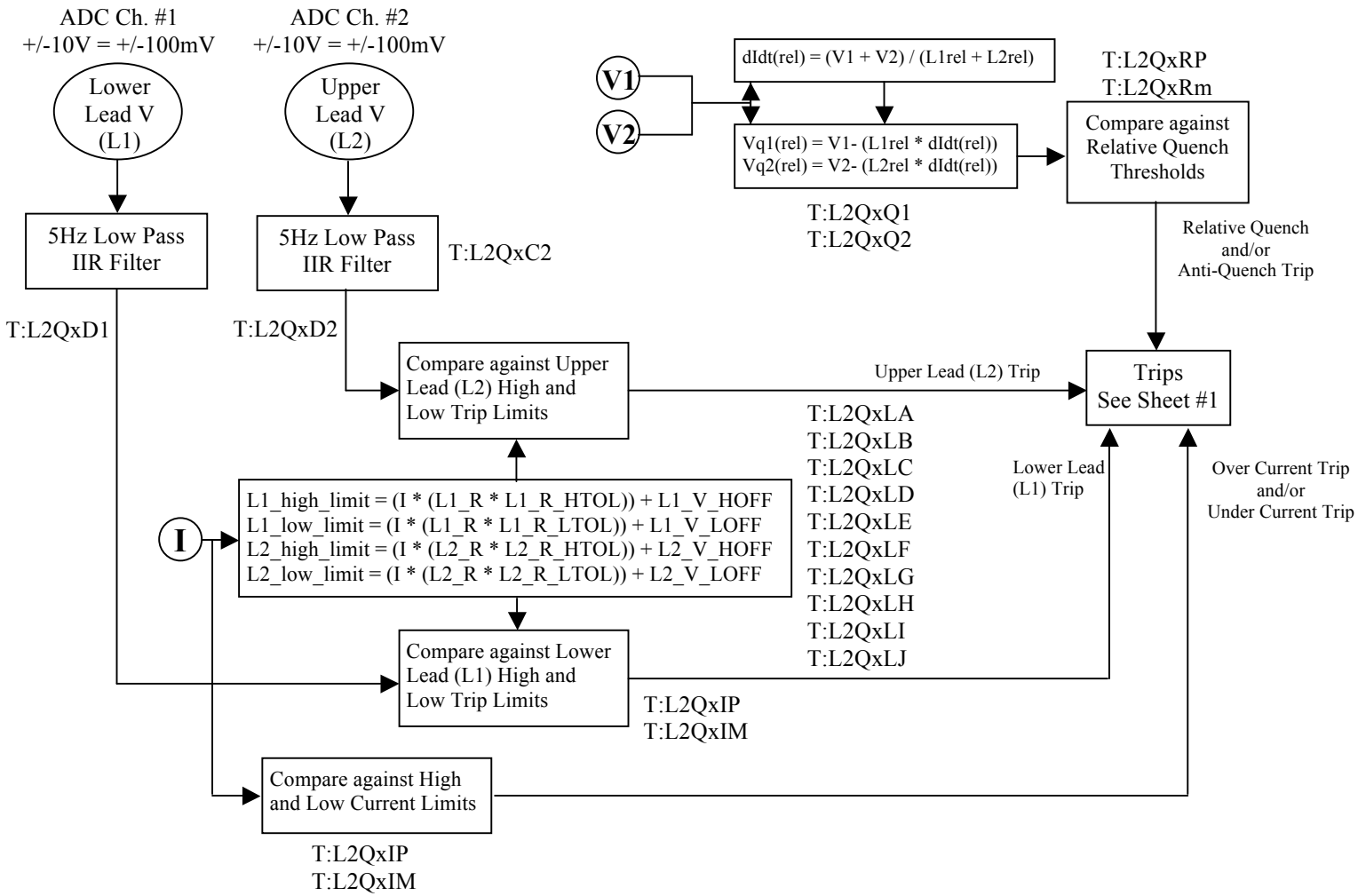
uQPM Quench Algorithm

Sheet #1



NOTES:

1) The analog input ranges shown are for the TEL2 Main Solenoid system. The analog input ranges vary from system to system.
2) This algorithm is executed at 1000Hz.

uQPM Quench Algorithm

Sheet #2