

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
ID	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A				
Reset 0x20000000	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
ID	R/W	Field		Value ID		Value		Description																									
A	RW	EDCNT						IEEE 802.15.4 energy detect loop count																									
B	RW	EDPERIOD						Number of iterations to perform an ED scan. If set to 0 one scan is performed, otherwise the specified number + 1 of ED scans will be performed and the max ED value tracked in EDSAMPLE.																									
								IEEE 802.15.4 energy detect period, 4us resolution, no averaging except the IEEE 802.15.4 ED range 128us (32)																									
								EDPERIOD value other than Default is not supported.																									
							Default	32																									

8.17.14.102 EDSAMPLE

Address offset: 0x534

IEEE 802.15.4 energy detect level

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
ID																																	
Reset 0x00000000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
ID	R/W	Field		Value ID		Value		Description																									
A	R	EDLVL				[0..127]		IEEE 802.15.4 energy detect level																									
								Register value must be converted to IEEE 802.15.4 range by an 8-bit saturating multiplication by factor ED_RSSISCALE, as shown in the code example for ED sampling																									

8.17.14.103 CCACTRL

Address offset: 0x538

IEEE 802.15.4 clear channel assessment control