

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 A A A																															
Reset 0x00000000				0 0																															
ID	R/W	Field	Value ID	Value	Description																														
A	R	SWITCHINGSTATE				Internal state of switching state machine																													
			Idle	0	Switching state Idle																														
			Offset	1	Switching state Offset																														
			Guard	2	Switching state Guard																														
			Ref	3	Switching state Ref																														
			Switching	4	Switching state Switching																														
			Ending	5	Switching state Ending																														
B	R	SAMPLINGSTATE				Internal state of sampling state machine																													
			Idle	0	Sampling state Idle																														
			Sampling	1	Sampling state Sampling																														

8.17.14.122 DFCTRL1

Address offset: 0xD10

Various configuration for Direction finding

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			H H H H G G G G F F F E D D D C C C B A A A A A A																															
Reset 0x00023282			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 1 0 0 1 0 1 0 0 0 0 0 1 0																															
ID	R/W	Field	Value ID	Value	Description																													
A	RW	NUMBEROF8US			Length of the AoA/AoD procedure in number of 8 us units																													
					Always used in TX mode, but in RX mode only when CTEINLINECTRLLEN is 0																													
B	RW	DFEINEXTENSION			Add CTE extension and do antenna switching/sampling in this extension																													
			CRC	1	AoA/AoD procedure triggered at end of CRC																													
			Payload	0	Antenna switching/sampling is done in the packet payload																													
C	RW	TSWITCHSPACING			Interval between every time the antenna is changed in the SWITCHING state																													
			4us	1	4us																													
			2us	2	2us																													
			1us	3	1us																													
D	RW	TSAMPLESPACINGREF			Interval between samples in the REFERENCE period																													
			4us	1	4us																													
			2us	2	2us																													
			1us	3	1us																													
			500ns	4	0.5us																													
			250ns	5	0.25us																													
	125ns	6	0.125us																															
E	RW	SAMPLETYPE			Whether to sample I/Q or magnitude/phase																													
			IQ	0	Complex samples in I and Q																													
			MagPhase	1	Complex samples as magnitude and phase																													
F	RW	TSAMPLESPACING			Interval between samples in the SWITCHING period when CTEINLINECTRLLEN is 0																													
					Note: Not used when CTEINLINECTRLLEN is set. Then either CTEINLINERXMODE1US or CTEINLINERXMODE2US are used.																													
			4us	1	4us																													
			2us	2	2us																													
			1us	3	1us																													
			500ns	4	0.5us																													
			250ns	5	0.25us																													