

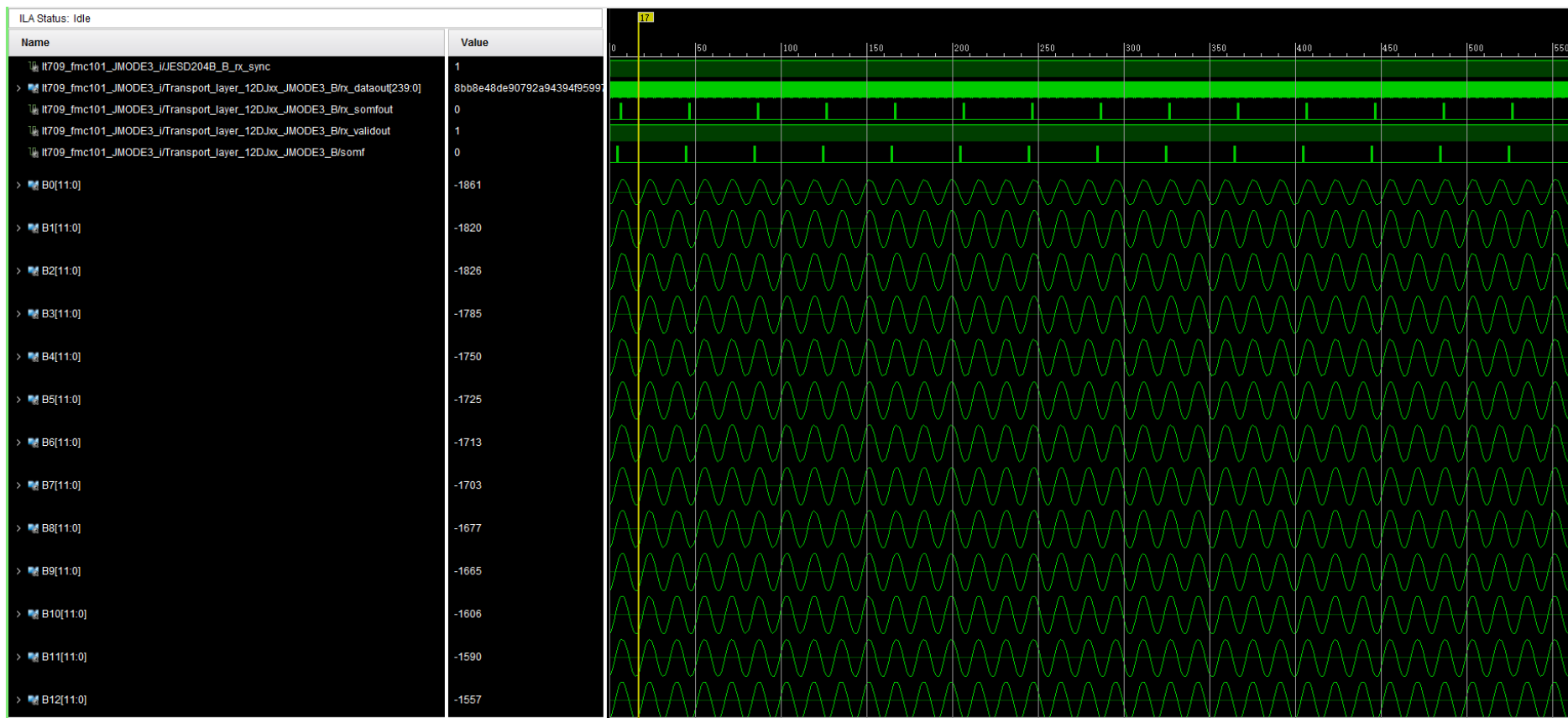
JESD204B Setting

JESD204B OUTPUT	LINK	Polarity
DA0	A	Inverted
DA1	A	Inverted
DA2	A	Inverted
DA3	A	Inverted
DA4	A	Inverted
DA5	A	Inverted
DA6	A	Inverted
DA7	A	Inverted
DB0	B	Normal
DB1	B	Normal
DB2	B	Normal
DB3	B	Normal
DB4	B	Normal
DB5	B	Normal
DB6	B	Normal
DB7	B	Normal

JMODE3, 16Lane, 3200M Fs, 6.4Gbps, PRBS-23
DA0~DA7 Rxpolarity=1, DB0~DB7 Rxpolarity=0

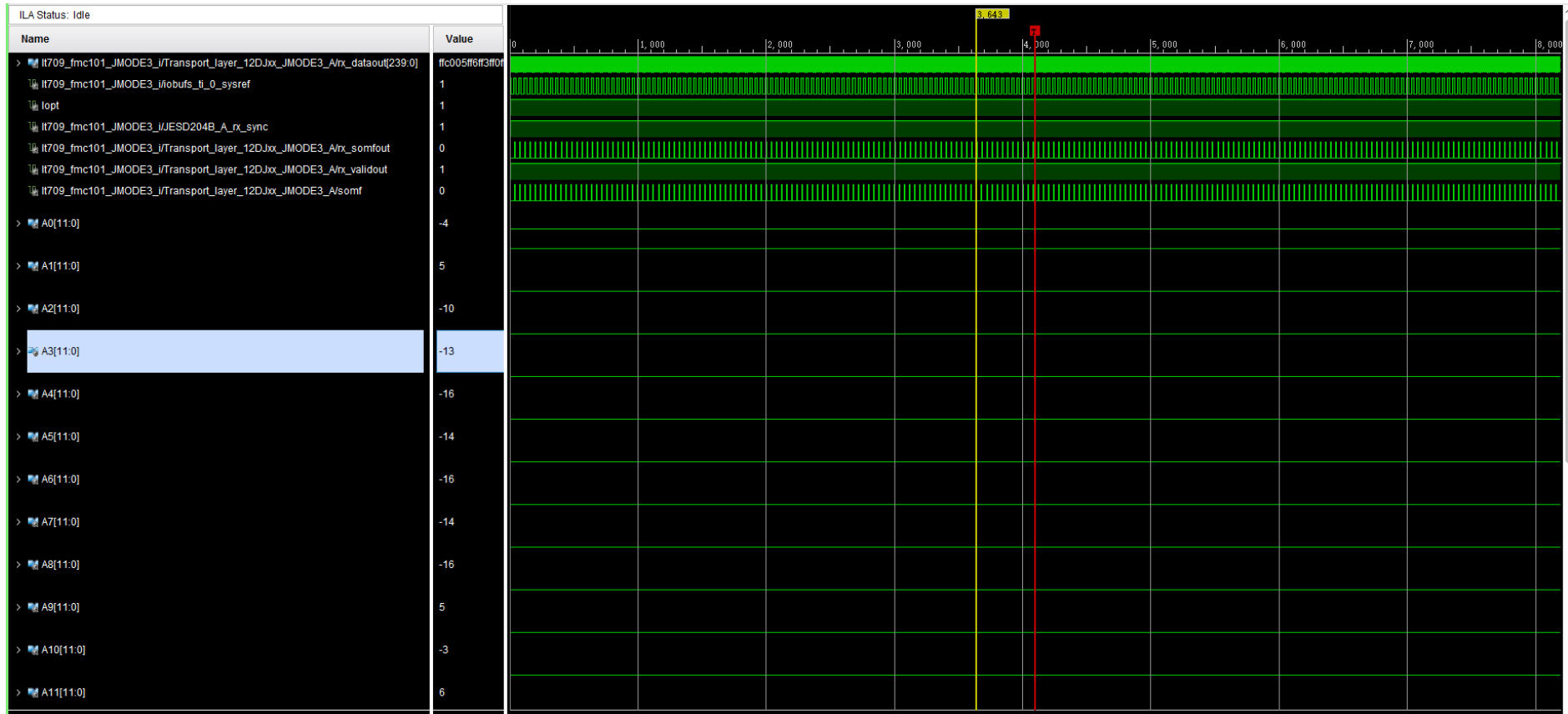
Serial I/O Links																	
Name	TX	RX	Status	Bits	Errors	BER	BERT Reset	TX Pattern	RX Pattern	TX Pre-Cursor	TX Post-Cursor	TX Diff Swing	DFE Enabled	Inject Error	TX Reset	RX Reset	RX PLL Status
Link Group 0 (16)							Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	
Link 0	MGT_X1Y17/TX	MGT_X1Y23/RX	6.400 Gbps	8.199E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 1	MGT_X1Y16/TX	MGT_X1Y16/RX	6.400 Gbps	8.198E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 2	MGT_X1Y18/TX	MGT_X1Y17/RX	6.400 Gbps	8.198E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 3	MGT_X1Y19/TX	MGT_X1Y18/RX	6.400 Gbps	8.2E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 4	MGT_X1Y20/TX	MGT_X1Y19/RX	6.400 Gbps	8.2E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 5	MGT_X1Y21/TX	MGT_X1Y20/RX	6.400 Gbps	8.2E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 6	MGT_X1Y22/TX	MGT_X1Y21/RX	6.400 Gbps	8.2E11	0E0	1.219E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 7	MGT_X1Y23/TX	MGT_X1Y22/RX	6.400 Gbps	8.201E11	0E0	1.219E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 8	MGT_X1Y24/TX	MGT_X1Y24/RX	6.400 Gbps	8.201E11	0E0	1.219E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 9	MGT_X1Y25/TX	MGT_X1Y25/RX	6.400 Gbps	8.201E11	0E0	1.219E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 10	MGT_X1Y26/TX	MGT_X1Y26/RX	6.400 Gbps	8.199E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 11	MGT_X1Y27/TX	MGT_X1Y27/RX	6.400 Gbps	8.199E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 12	MGT_X1Y28/TX	MGT_X1Y28/RX	6.400 Gbps	8.199E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 13	MGT_X1Y29/TX	MGT_X1Y29/RX	6.400 Gbps	8.2E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 14	MGT_X1Y30/TX	MGT_X1Y30/RX	6.400 Gbps	8.2E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Link 15	MGT_X1Y31/TX	MGT_X1Y31/RX	6.400 Gbps	8.2E11	0E0	1.22E-12	Reset	PRBS 7-bit	PRBS 23-bit	0.00 dB (00000)	0.00 dB (00000)	269 mV (0000)	☒	Inject	Reset	Reset	Locked
Ungrouped Links (0)																	

Normal Operation on Channel B (3.2Gbps, 10MHz, 6dBm)



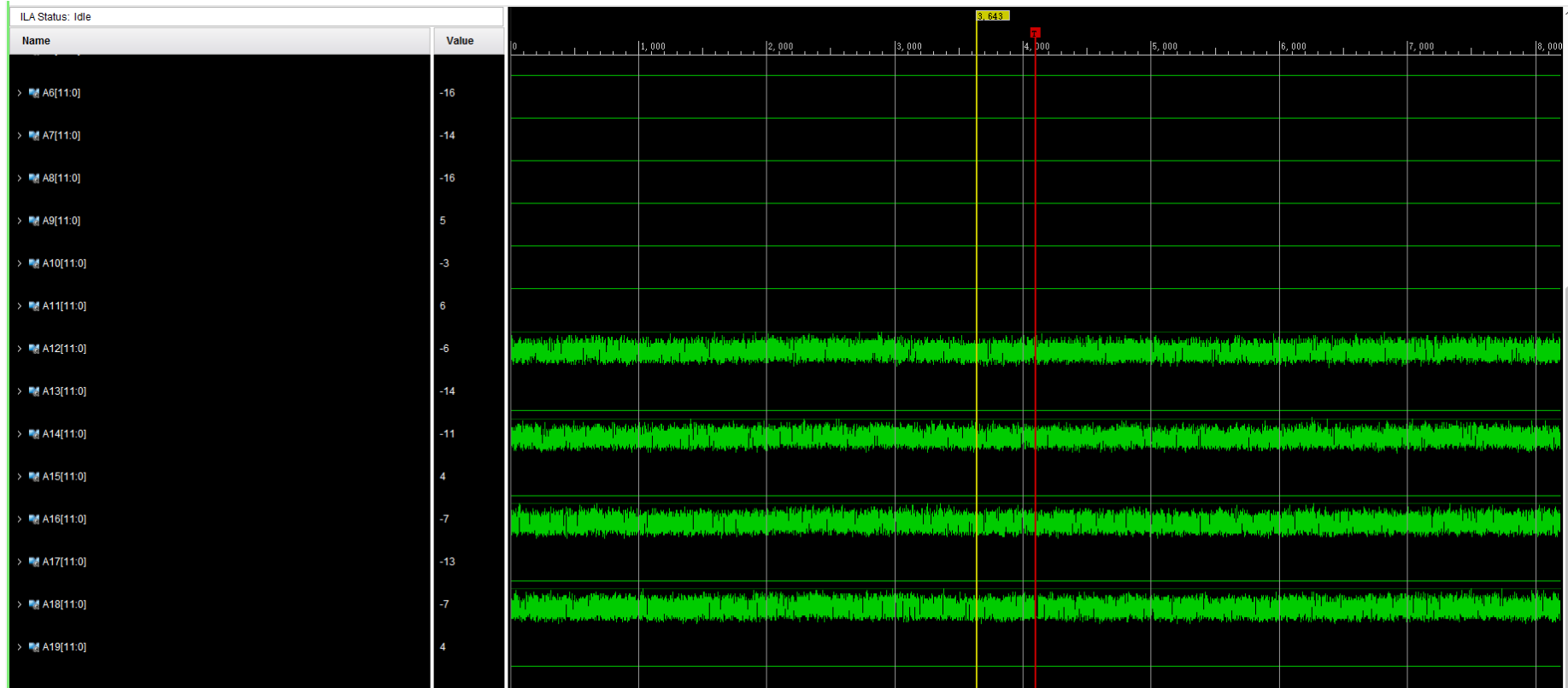
Normal Operation on Channel A (3.2Gsps, 10MHz, 6dBm)

A0~A11



Normal Operation on Channel A (3.2Gsp/s, 10MHz, 6dBm)

A12~A19

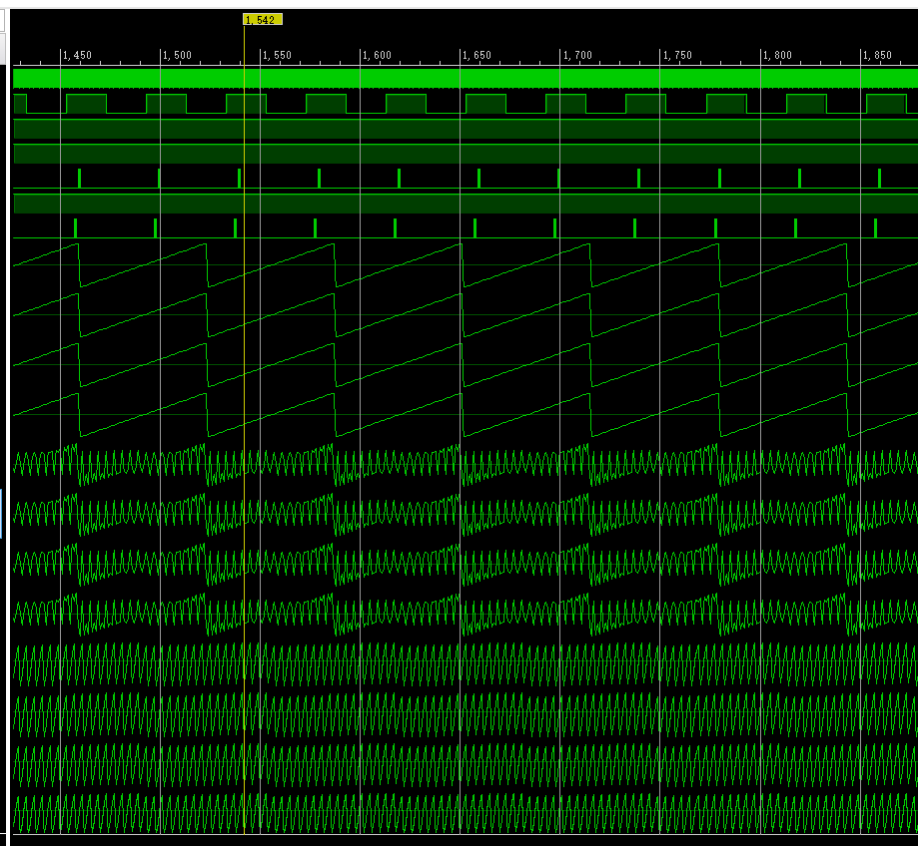


Ramp Test on Channel B (3.2Gsps JMODE3)

[illegible]

Ramp Test on Channel A (3.2Gsps JMODE3)

Name	Value
> It709_fmc101_JMODE3_IITransport_layer_12Djxx_JMODE3_A/rx_dataout[239:0]	c8cc8cc8cc8cc8cc8cc8cc8c9ca9ca9ca9ca9cacbcbbcbccbc
It709_fmc101_JMODE3_iifobufs_li_0_sysref	1
lopt	1
It709_fmc101_JMODE3_IJESD204B_A_rx_sync	1
It709_fmc101_JMODE3_IITransport_layer_12Djxx_JMODE3_A/rx_somfout	0
It709_fmc101_JMODE3_IITransport_layer_12Djxx_JMODE3_A/rx_validout	1
It709_fmc101_JMODE3_IITransport_layer_12Djxx_JMODE3_A/somf	0
> A0[11:0]	-884
> A1[11:0]	-884
> A2[11:0]	-884
> A3[11:0]	-884
> A4[11:0]	-884
> A5[11:0]	-884
> A6[11:0]	-884
> A7[11:0]	-884
> A8[11:0]	-1590
> A9[11:0]	-1590
> A10[11:0]	-1590
> A11[11:0]	-1590



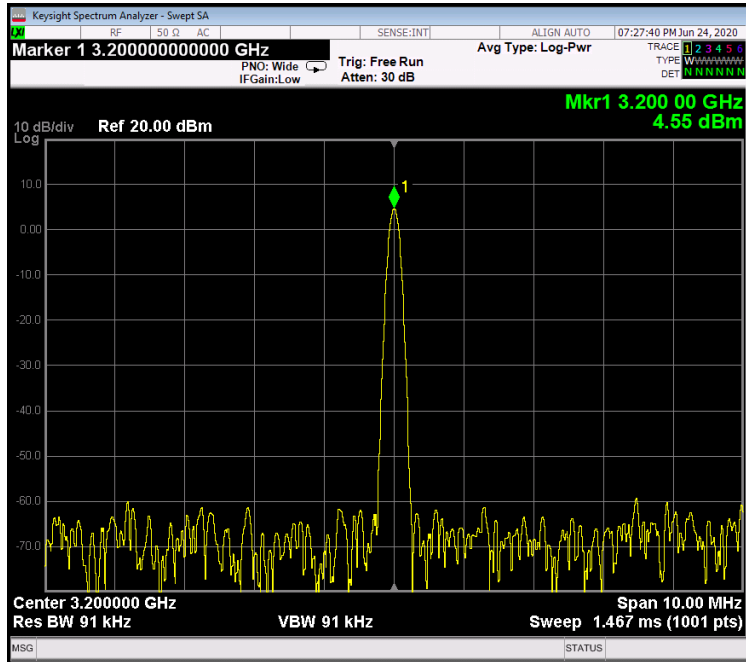
Transport Test Mode on Channel A (3.2Gbps JMODE3)

ILA Status: Idle	
Name	Value
> R709_fmc101_JMODE3_I/Transport_layer_12Djxx_JMODE3_A/rx_dataout[239:0]	f01e11d21c3
R709_fmc101_JMODE3_lfobufs_b_0_sysref	0
lopt	1
R709_fmc101_JMODE3_I/JESD204B_A_rx_sync	1
R709_fmc101_JMODE3_I/Transport_layer_12Djxx_JMODE3_A/rx_somfout	0
R709_fmc101_JMODE3_I/Transport_layer_12Djxx_JMODE3_A/rx_validout	1
R709_fmc101_JMODE3_I/Transport_layer_12Djxx_JMODE3_A/somf	0
> A0[11:0]	f01
> A1[11:0]	e11
> A2[11:0]	d21
> A3[11:0]	c31
> A4[11:0]	b41
> A5[11:0]	a51
> A6[11:0]	961
> A7[11:0]	871
> A8[11:0]	f02
> A9[11:0]	e12
> A10[11:0]	d22
> A11[11:0]	c32
> A12[11:0]	b42
> A13[11:0]	a52
> A14[11:0]	962
> A15[11:0]	872
> A16[11:0]	f03
> A17[11:0]	e13
> A18[11:0]	d23
> A19[11:0]	c33

Transport Test Mode on Channel B (3.2Gsps JMODE3)

ILA Status: Idle	
Name	Value
It709_fmc101_JMODE3_IJESD204B_B_rx_sync	1
> It709_fmc101_JMODE3_I/Transport_layer_12Djxx_JMODE3_Blrx_dataout[239:0]	f01e11d21c31b41a5196187f102e12d22c32b42a52962872f03e13d23c33
It709_fmc101_JMODE3_I/Transport_layer_12Djxx_JMODE3_Blrx_somfout	0
It709_fmc101_JMODE3_I/Transport_layer_12Djxx_JMODE3_Blrx_validout	0
It709_fmc101_JMODE3_I/Transport_layer_12Djxx_JMODE3_B/somf	0
> B0[11:0]	f01
> B1[11:0]	e11
> B2[11:0]	d21
> B3[11:0]	c31
> B4[11:0]	b41
> B5[11:0]	a51
> B6[11:0]	961
> B7[11:0]	871
> B8[11:0]	f02
> B9[11:0]	e12
> B10[11:0]	d22
> B11[11:0]	c32
> B12[11:0]	b42
> B13[11:0]	a52
> B14[11:0]	962
> B15[11:0]	872
> B16[11:0]	f03
> B17[11:0]	e13
> B18[11:0]	d23
> B19[11:0]	c33

A: LMX2582 RFBout



B: LMK04828 TO ADC

