

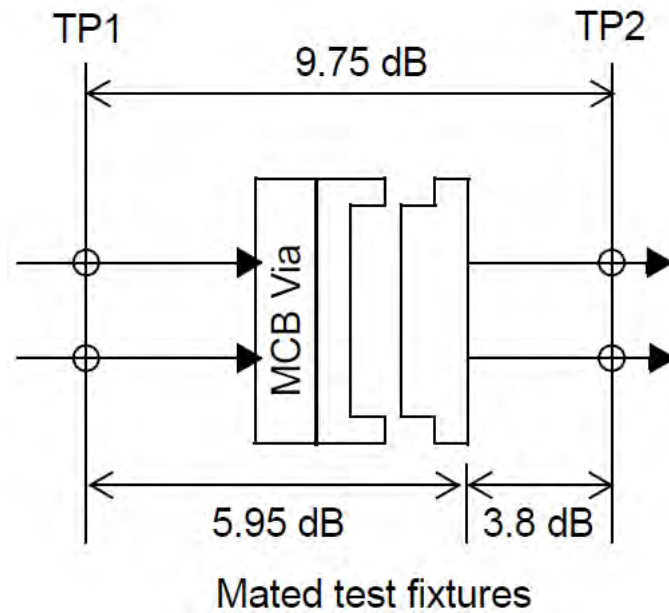
MTF Performance Evaluation

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Background

- 64 data points of MTF Data ([sekel 3dj 02 2503](#))



ILdd Masks (110 GHz)

MCB	HCB	Lane	End Freq. [GHz]	ILdd_min	ILdd_max
WT29449	WT29563	TX1	110	PASS!	PASS!
WT29449	WT29563	TX2	110	PASS!	FAIL!
WT29449	WT29563	TX3	110	PASS!	FAIL!
WT29449	WT29563	TX4	110	PASS!	PASS!
WT29449	WT29563	TX5	110	PASS!	PASS!
WT29449	WT29563	TX6	110	PASS!	FAIL!
WT29449	WT29563	TX7	110	PASS!	FAIL!
WT29449	WT29563	TX8	110	PASS!	PASS!
WT29449	WT29563	RX1	110	PASS!	PASS!
WT29449	WT29563	RX2	110	PASS!	FAIL!
WT29449	WT29563	RX3	110	PASS!	FAIL!
WT29449	WT29563	RX4	110	PASS!	FAIL!
WT29449	WT29563	RX5	110	PASS!	PASS!
WT29449	WT29563	RX6	110	PASS!	FAIL!
WT29449	WT29563	RX7	110	PASS!	FAIL!
WT29449	WT29563	RX8	110	PASS!	FAIL!
WT29796	WT29563	TX1	110	PASS!	PASS!
WT29796	WT29563	TX2	110	PASS!	PASS!
WT29796	WT29563	TX3	110	PASS!	FAIL!
WT29796	WT29563	TX4	110	PASS!	PASS!
WT29796	WT29563	TX5	110	PASS!	PASS!
WT29796	WT29563	TX6	110	PASS!	PASS!
WT29796	WT29563	TX7	110	PASS!	PASS!
WT29796	WT29563	TX8	110	PASS!	PASS!
WT29796	WT29563	RX1	110	PASS!	PASS!
WT29796	WT29563	RX2	110	PASS!	FAIL!
WT29796	WT29563	RX3	110	PASS!	PASS!
WT29796	WT29563	RX4	110	PASS!	FAIL!
WT29796	WT29563	RX5	110	PASS!	PASS!
WT29796	WT29563	RX6	110	PASS!	PASS!
WT29796	WT29563	RX7	110	PASS!	PASS!
WT29796	WT29563	RX8	110	PASS!	FAIL!

ILdd Masks (67 GHz)

MCB	HCB	Lane	End Freq. [GHz]	ILdd_min	ILdd_max
WT28997	WT29577	TX1	67	PASS!	FAIL!
WT28997	WT29577	TX2	67	PASS!	FAIL!
WT28997	WT29577	TX3	67	PASS!	FAIL!
WT28997	WT29577	TX4	67	PASS!	PASS!
WT28997	WT29577	TX5	67	PASS!	FAIL!
WT28997	WT29577	TX6	67	PASS!	FAIL!
WT28997	WT29577	TX7	67	PASS!	FAIL!
WT28997	WT29577	TX8	67	PASS!	PASS!
WT28997	WT29577	RX1	67	PASS!	PASS!
WT28997	WT29577	RX2	67	PASS!	FAIL!
WT28997	WT29577	RX3	67	PASS!	FAIL!
WT28997	WT29577	RX4	67	PASS!	FAIL!
WT28997	WT29577	RX5	67	PASS!	FAIL!
WT28997	WT29577	RX6	67	PASS!	FAIL!
WT28997	WT29577	RX7	67	PASS!	FAIL!
WT28997	WT29577	RX8	67	PASS!	FAIL!
WT29904	WT29940	TX1	67	PASS!	PASS!
WT29904	WT29940	TX2	67	PASS!	PASS!
WT29904	WT29940	TX3	67	PASS!	FAIL!
WT29904	WT29940	TX4	67	PASS!	PASS!
WT29904	WT29940	TX5	67	PASS!	PASS!
WT29904	WT29940	TX6	67	PASS!	FAIL!
WT29904	WT29940	TX7	67	PASS!	FAIL!
WT29904	WT29940	TX8	67	PASS!	PASS!
WT29904	WT29940	RX1	67	PASS!	PASS!
WT29904	WT29940	RX2	67	PASS!	FAIL!
WT29904	WT29940	RX3	67	PASS!	FAIL!
WT29904	WT29940	RX4	67	PASS!	PASS!
WT29904	WT29940	RX5	67	PASS!	PASS!
WT29904	WT29940	RX6	67	PASS!	PASS!
WT29904	WT29940	RX7	67	PASS!	PASS!
WT29904	WT29940	RX8	67	PASS!	FAIL!

ERL (110 GHz)

MCB	HCB	Lane	End Freq. [GHz]	ERL22(MCB)	ERL11(HCB)
WT29449	WT29563	TX1	110	10.71	11.01
WT29449	WT29563	TX2	110	9.83	10.47
WT29449	WT29563	TX3	110	10.04	10.67
WT29449	WT29563	TX4	110	9.15	10.52
WT29449	WT29563	TX5	110	10.94	11.62
WT29449	WT29563	TX6	110	9.94	10.52
WT29449	WT29563	TX7	110	10.47	11.03
WT29449	WT29563	TX8	110	9.72	10.9
WT29449	WT29563	RX1	110	9.6	11.08
WT29449	WT29563	RX2	110	10.84	11.53
WT29449	WT29563	RX3	110	10.59	11.25
WT29449	WT29563	RX4	110	10.5	11.17
WT29449	WT29563	RX5	110	10.52	11.54
WT29449	WT29563	RX6	110	10.14	10.68
WT29449	WT29563	RX7	110	10.78	11.72
WT29449	WT29563	RX8	110	10.95	11.48
WT29796	WT29563	TX1	110	10.3	11.24
WT29796	WT29563	TX2	110	9.27	10.2
WT29796	WT29563	TX3	110	9.56	10.57
WT29796	WT29563	TX4	110	9.57	10.7
WT29796	WT29563	TX5	110	9.63	10.87
WT29796	WT29563	TX6	110	8.84	9.9
WT29796	WT29563	TX7	110	10.39	11.11
WT29796	WT29563	TX8	110	9.61	10.91
WT29796	WT29563	RX1	110	9.53	11
WT29796	WT29563	RX2	110	9.68	11.07
WT29796	WT29563	RX3	110	9.6	10.94
WT29796	WT29563	RX4	110	10.78	11.48
WT29796	WT29563	RX5	110	9.97	11.18
WT29796	WT29563	RX6	110	10.02	10.79
WT29796	WT29563	RX7	110	10.03	11.08
WT29796	WT29563	RX8	110	9.86	10.92

ERL (67 GHz)

MCB	HCB	Lane	End Freq. [GHz]	ERL22(MCB)	ERL11(HCB)
WT28997	WT29577	TX1	67	9.42	9.37
WT28997	WT29577	TX2	67	8.91	8.98
WT28997	WT29577	TX3	67	8.56	9.07
WT28997	WT29577	TX4	67	9.25	9.85
WT28997	WT29577	TX5	67	9.5	9.52
WT28997	WT29577	TX6	67	8	8.3
WT28997	WT29577	TX7	67	8.54	10.04
WT28997	WT29577	TX8	67	8.42	9.36
WT28997	WT29577	RX1	67	7.72	9.29
WT28997	WT29577	RX2	67	8.97	10.59
WT28997	WT29577	RX3	67	8.48	8.08
WT28997	WT29577	RX4	67	9.96	10.33
WT28997	WT29577	RX5	67	7.77	8.54
WT28997	WT29577	RX6	67	9.07	9.37
WT28997	WT29577	RX7	67	8.44	8.69
WT28997	WT29577	RX8	67	9.96	9.95
WT29904	WT29940	TX1	67	9.05	10.02
WT29904	WT29940	TX2	67	10.1	10.58
WT29904	WT29940	TX3	67	8.74	9.03
WT29904	WT29940	TX4	67	9.71	10.47
WT29904	WT29940	TX5	67	9.75	10.16
WT29904	WT29940	TX6	67	9.91	9.47
WT29904	WT29940	TX7	67	9.04	9.55
WT29904	WT29940	TX8	67	9.73	10.62
WT29904	WT29940	RX1	67	8.67	9.5
WT29904	WT29940	RX2	67	9.45	9.16
WT29904	WT29940	RX3	67	8.11	8.1
WT29904	WT29940	RX4	67	9.55	10.28
WT29904	WT29940	RX5	67	8.97	9.69
WT29904	WT29940	RX6	67	9.06	9.35
WT29904	WT29940	RX7	67	9.07	9.83
WT29904	WT29940	RX8	67	9.74	10.08

FOM ILD (110 GHz)

MCB	HCB	Lane	End Freq. [GHz]	ERL22(MCB)	ERL11(HCB)	lLdd_min	lLdd_max	FOM_ILD
WT29449	WT29563	TX1	110	10.71	11.01	PASS!	PASS!	0.17
WT29449	WT29563	TX2	110	9.83	10.47	PASS!	FAIL!	0.16
WT29449	WT29563	TX3	110	10.04	10.67	PASS!	FAIL!	0.14
WT29449	WT29563	TX4	110	9.15	10.52	PASS!	PASS!	0.12
WT29449	WT29563	TX5	110	10.94	11.62	PASS!	PASS!	0.15
WT29449	WT29563	TX6	110	9.94	10.52	PASS!	FAIL!	0.16
WT29449	WT29563	TX7	110	10.47	11.03	PASS!	FAIL!	0.14
WT29449	WT29563	TX8	110	9.72	10.9	PASS!	PASS!	0.12
WT29449	WT29563	RX1	110	9.6	11.08	PASS!	PASS!	0.11
WT29449	WT29563	RX2	110	10.84	11.53	PASS!	FAIL!	0.13
WT29449	WT29563	RX3	110	10.59	11.25	PASS!	FAIL!	0.15
WT29449	WT29563	RX4	110	10.5	11.17	PASS!	FAIL!	0.18
WT29449	WT29563	RX5	110	10.52	11.54	PASS!	PASS!	0.10
WT29449	WT29563	RX6	110	10.14	10.68	PASS!	FAIL!	0.15
WT29449	WT29563	RX7	110	10.78	11.72	PASS!	FAIL!	0.14
WT29449	WT29563	RX8	110	10.95	11.48	PASS!	FAIL!	0.16
WT29796	WT29563	TX1	110	10.3	11.24	PASS!	PASS!	0.12
WT29796	WT29563	TX2	110	9.27	10.2	PASS!	PASS!	0.19
WT29796	WT29563	TX3	110	9.56	10.57	PASS!	FAIL!	0.12
WT29796	WT29563	TX4	110	9.57	10.7	PASS!	PASS!	0.11
WT29796	WT29563	TX5	110	9.63	10.87	PASS!	PASS!	0.15
WT29796	WT29563	TX6	110	8.84	9.9	PASS!	PASS!	0.19
WT29796	WT29563	TX7	110	10.39	11.11	PASS!	PASS!	0.11
WT29796	WT29563	TX8	110	9.61	10.91	PASS!	PASS!	0.11
WT29796	WT29563	RX1	110	9.53	11	PASS!	PASS!	0.11
WT29796	WT29563	RX2	110	9.68	11.07	PASS!	FAIL!	0.12
WT29796	WT29563	RX3	110	9.6	10.94	PASS!	PASS!	0.14
WT29796	WT29563	RX4	110	10.78	11.48	PASS!	FAIL!	0.16
WT29796	WT29563	RX5	110	9.97	11.18	PASS!	PASS!	0.11
WT29796	WT29563	RX6	110	10.02	10.79	PASS!	PASS!	0.11
WT29796	WT29563	RX7	110	10.03	11.08	PASS!	PASS!	0.16
WT29796	WT29563	RX8	110	9.86	10.92	PASS!	FAIL!	0.15

FOM ILD (67 GHz)

MCB	HCB	Lane	End Freq. [GHz]	ERL22(MCB)	ERL11(HCB)	lLdd_min	lLdd_max	FOM_ILD
WT28997	WT29577	TX1	67	9.42	9.37	PASS!	FAIL!	0.17
WT28997	WT29577	TX2	67	8.91	8.98	PASS!	FAIL!	0.20
WT28997	WT29577	TX3	67	8.56	9.07	PASS!	FAIL!	0.19
WT28997	WT29577	TX4	67	9.25	9.85	PASS!	PASS!	0.13
WT28997	WT29577	TX5	67	9.5	9.52	PASS!	FAIL!	0.16
WT28997	WT29577	TX6	67	8	8.3	PASS!	FAIL!	0.22
WT28997	WT29577	TX7	67	8.54	10.04	PASS!	FAIL!	0.15
WT28997	WT29577	TX8	67	8.42	9.36	PASS!	PASS!	0.17
WT28997	WT29577	RX1	67	7.72	9.29	PASS!	PASS!	0.18
WT28997	WT29577	RX2	67	8.97	10.59	PASS!	FAIL!	0.12
WT28997	WT29577	RX3	67	8.48	8.08	PASS!	FAIL!	0.23
WT28997	WT29577	RX4	67	9.96	10.33	PASS!	FAIL!	0.15
WT28997	WT29577	RX5	67	7.77	8.54	PASS!	FAIL!	0.18
WT28997	WT29577	RX6	67	9.07	9.37	PASS!	FAIL!	0.16
WT28997	WT29577	RX7	67	8.44	8.69	PASS!	FAIL!	0.20
WT28997	WT29577	RX8	67	9.96	9.95	PASS!	FAIL!	0.15
WT29904	WT29940	TX1	67	9.05	10.02	PASS!	PASS!	0.16
WT29904	WT29940	TX2	67	10.1	10.58	PASS!	PASS!	0.13
WT29904	WT29940	TX3	67	8.74	9.03	PASS!	FAIL!	0.13
WT29904	WT29940	TX4	67	9.71	10.47	PASS!	PASS!	0.11
WT29904	WT29940	TX5	67	9.75	10.16	PASS!	PASS!	0.16
WT29904	WT29940	TX6	67	9.91	9.47	PASS!	FAIL!	0.17
WT29904	WT29940	TX7	67	9.04	9.55	PASS!	FAIL!	0.14
WT29904	WT29940	TX8	67	9.73	10.62	PASS!	PASS!	0.13
WT29904	WT29940	RX1	67	8.67	9.5	PASS!	PASS!	0.14
WT29904	WT29940	RX2	67	9.45	9.16	PASS!	FAIL!	0.13
WT29904	WT29940	RX3	67	8.11	8.1	PASS!	FAIL!	0.22
WT29904	WT29940	RX4	67	9.55	10.28	PASS!	PASS!	0.16
WT29904	WT29940	RX5	67	8.97	9.69	PASS!	PASS!	0.13
WT29904	WT29940	RX6	67	9.06	9.35	PASS!	PASS!	0.12
WT29904	WT29940	RX7	67	9.07	9.83	PASS!	PASS!	0.18
WT29904	WT29940	RX8	67	9.74	10.08	PASS!	FAIL!	0.18