MID CHANNEL 40 DATA

Project No:13J14910
Client Name:Mitsumi
Model / Device:DWM_W095
Config / Other:11n_HT20_CDD_ch40
Test By:Steven Tran

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
1	1300.15	45.39	PK	30.2	-32.9	0	42.69	54	-11.31	74	-31.31	99	Horz
*2	5195.502	39.72	PK	34.3	-24.7	0.9	50.22	-	-	-	-	201	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
3	1326.537	46.5	PK	29.9	-32.8	0	43.6	54	-10.4	74	-30.4	201	Vert
*4	5195.502	40.06	PK	34.3	-24.7	0.9	50.56	-	-	-	-	201	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
5	15598.801	34.98	PK	40.4	-16.6	0.4	59.18	-	-	74	-14.82	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
6	15593.603	34.92	PK	40.4	-16.6	0.3	59.02	-	-	74	-14.98	201	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
7	15601.199	26.99	PK	40.4	-16.6	0.4	51.19	54	-2.81	74	-22.81	99	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
8	15601.199	25.59	PK	40.4	-16.6	0.4	49.79	54	-4.21	74	-24.21	201	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
7	15599.169	16.78	AV	40.4	-16.6	0.4	43.2	54	-10.8	-	-	99	Horz

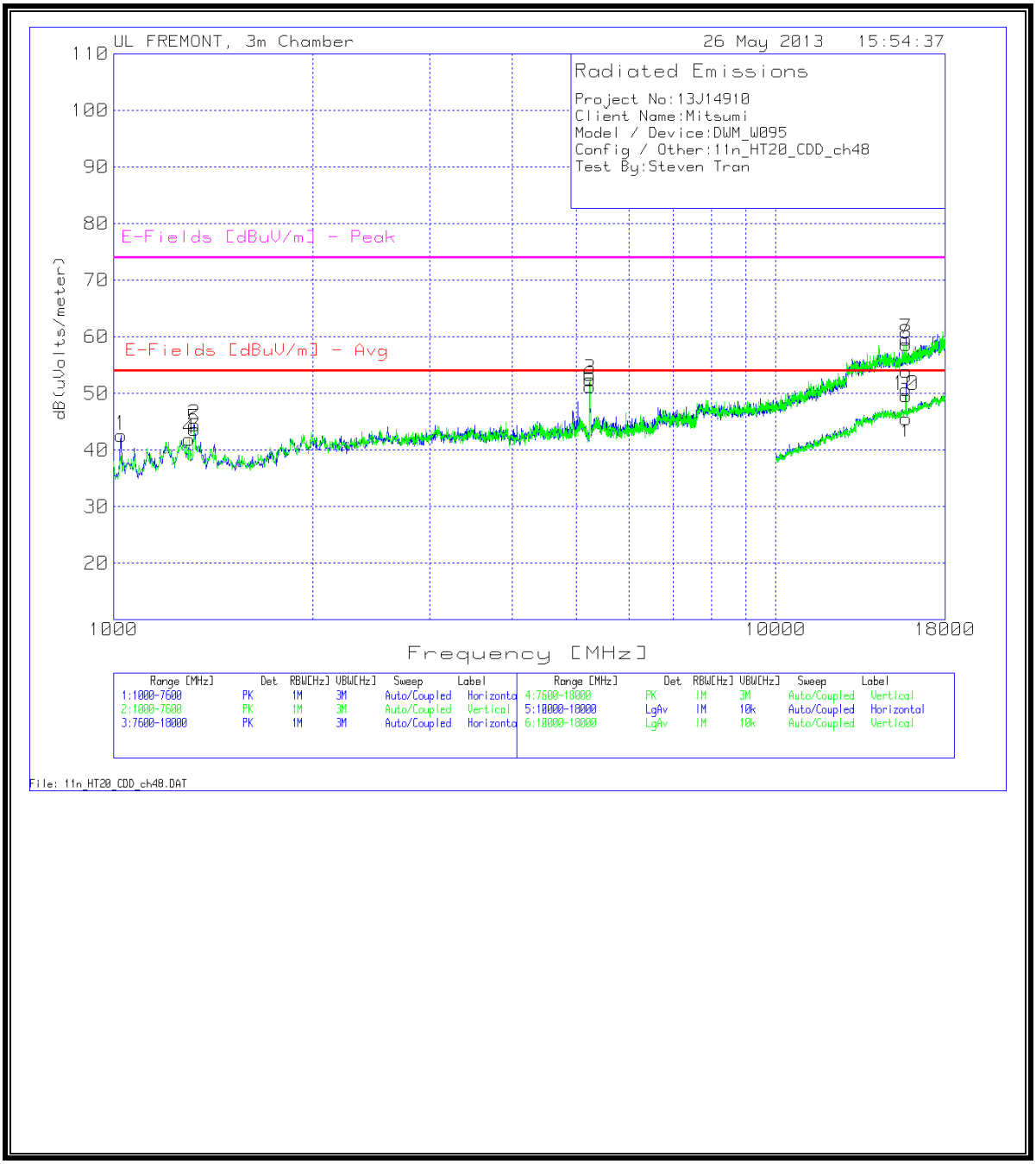
Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
8	15601.199	15.63	AV	40.4	-16.6	0.4	40.81	54	-13.19	-	-	201	Vert

* Fundamental

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

HIGH CHANNEL 48 GRAPH



HIGH CHANNEL 48 DATA

Project No:13J14910
Client Name:Mitsumi
Model / Device:DWM_W095
Config / Other:11n_HT20_CDD_ch48_5240MHz
Test By:Steven Tran

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
1	1026.387	49.17	PK	27.2	-33.8	0	42.57	54	-11.43	74	-31.43	99	Horz
2	1326.537	47.43	PK	29.9	-32.8	0	44.53	54	-9.47	74	-29.47	99	Horz
*3	5238.381	41.96	PK	34.3	-24.7	0.9	52.46	-	-	-	-	201	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
4	1300.15	44.61	PK	30.2	-32.9	0	41.91	54	-12.09	74	-32.09	201	Vert
5	1326.537	46.53	PK	29.9	-32.8	0	43.63	54	-10.37	74	-30.37	201	Vert
*6	5244.978	40.74	PK	34.3	-24.7	0.9	51.24	-	-	-	-	201	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
7	15718.341	35.17	PK	40.4	-16.4	0.4	59.57	-	-	74	-14.43	99	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
8	15718.341	34.27	PK	40.4	-16.4	0.4	58.67	-	-	74	-15.33	201	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
9	15725.137	26.33	PK	40.4	-16.4	0.4	50.73	54	-3.27	74	-23.27	99	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
10	15713.143	25.27	PK	40.4	-16.4	0.4	49.67	54	-4.33	74	-24.33	201	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
9	15738.18	16.78	AV	40.4	-16.4	0.4	42.53	54	-11.47	-	-	100	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
10	15725.188	15.89	AV	40.4	-16.4	0.4	40.58	54	-13.42	-	-	199	Vert

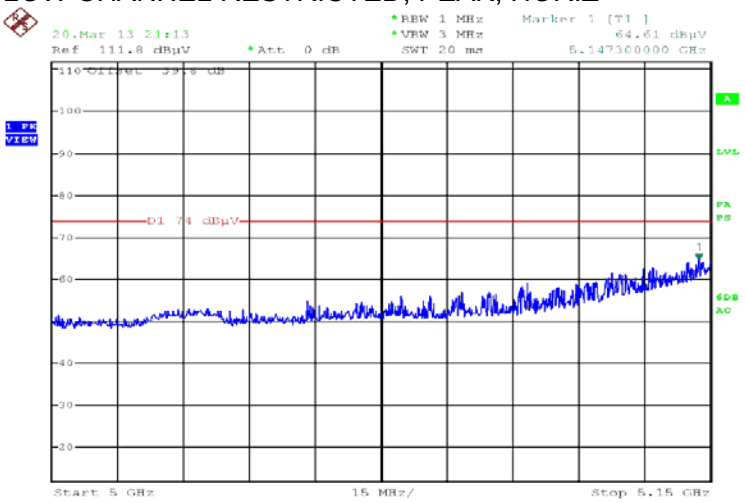
* Fundamental

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

9.4. 802.11n HT20 SDM MCS8 2TX MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

LOW CHANNEL RESTRICTED, PEAK, HORIZ



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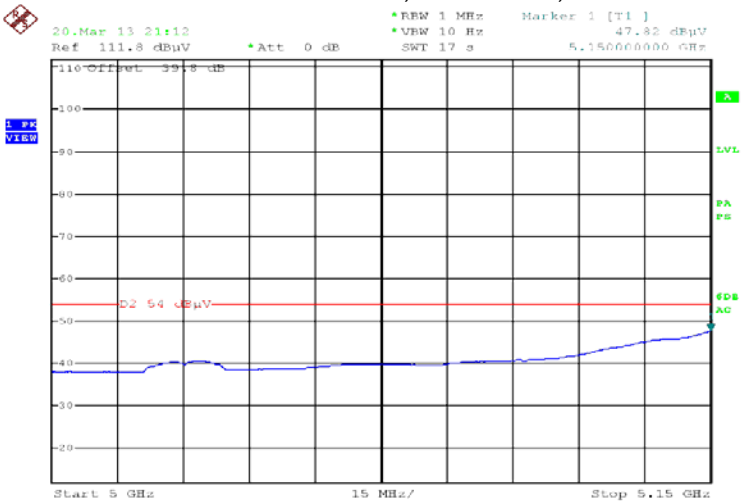
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



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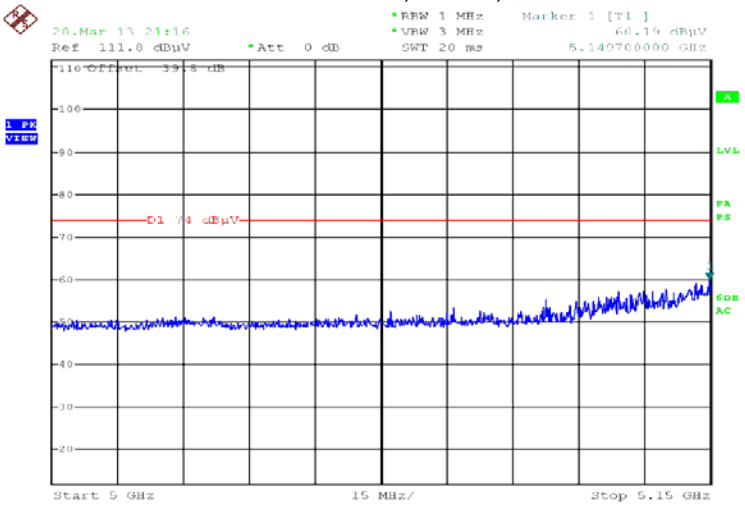
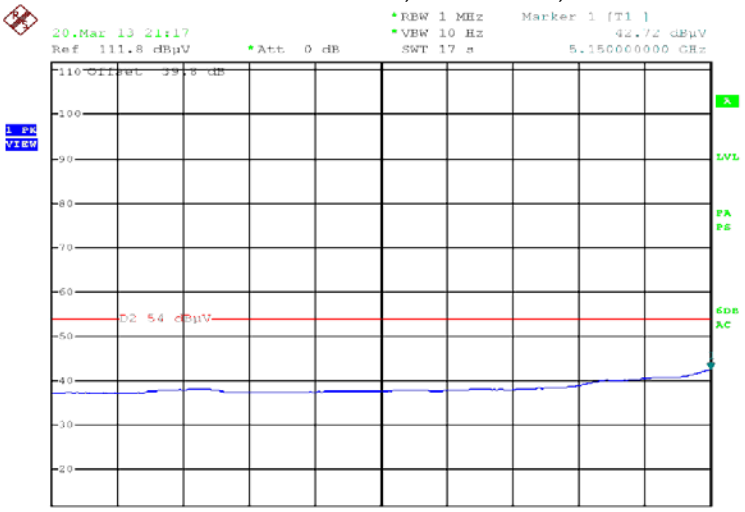
LOW CHANNEL RESTRICTED, PEAK, VERT

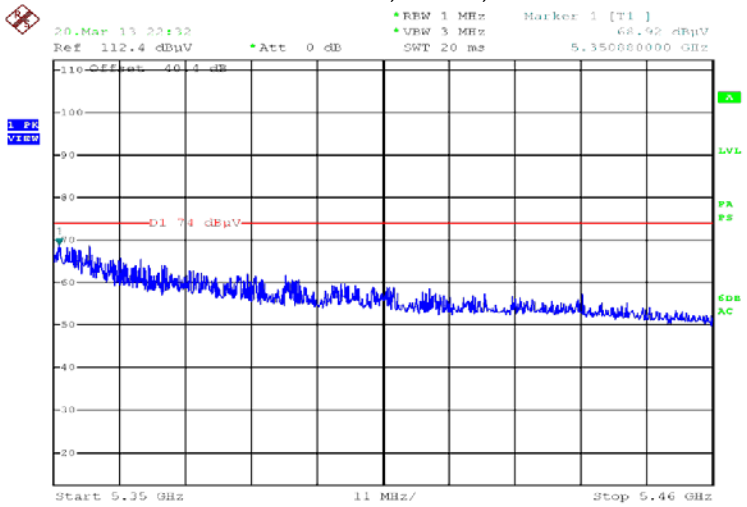


LOW CHANNEL RESTRICTED, AVERAGE, VERT



AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



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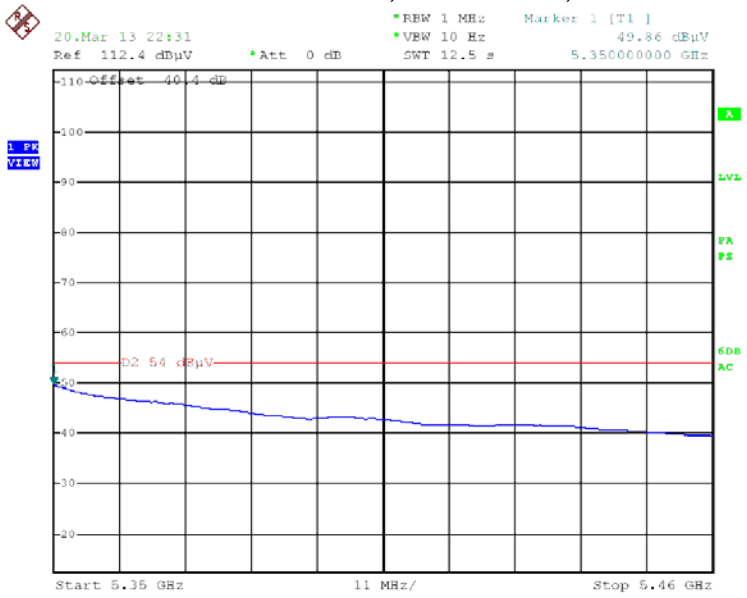
HIGH CHANNEL BANDEDGE, AVGERAGE, HORIZ



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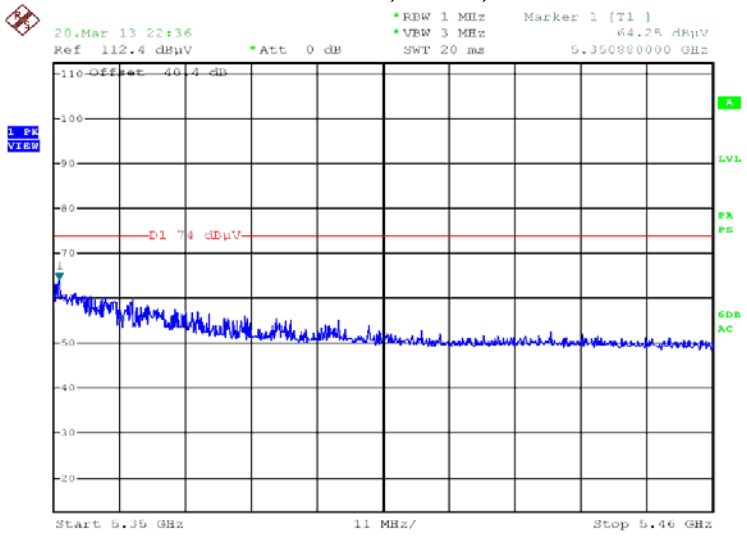
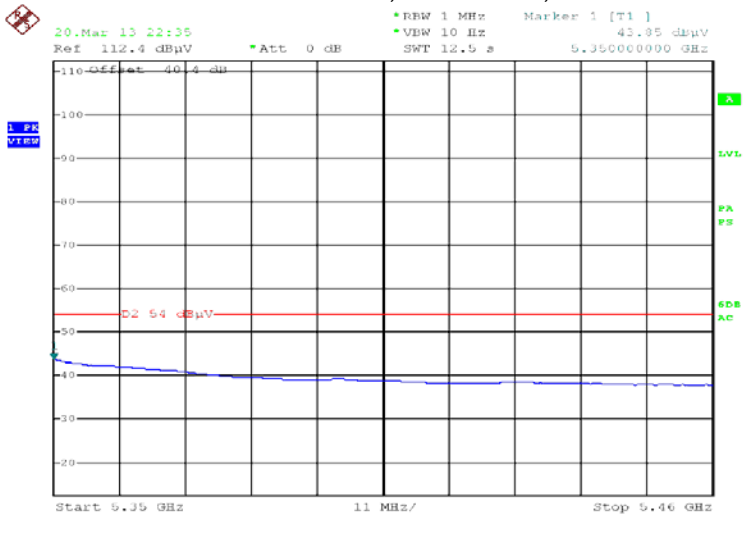
HIGH CHANNEL BANDEDGE, PEAK, VERT

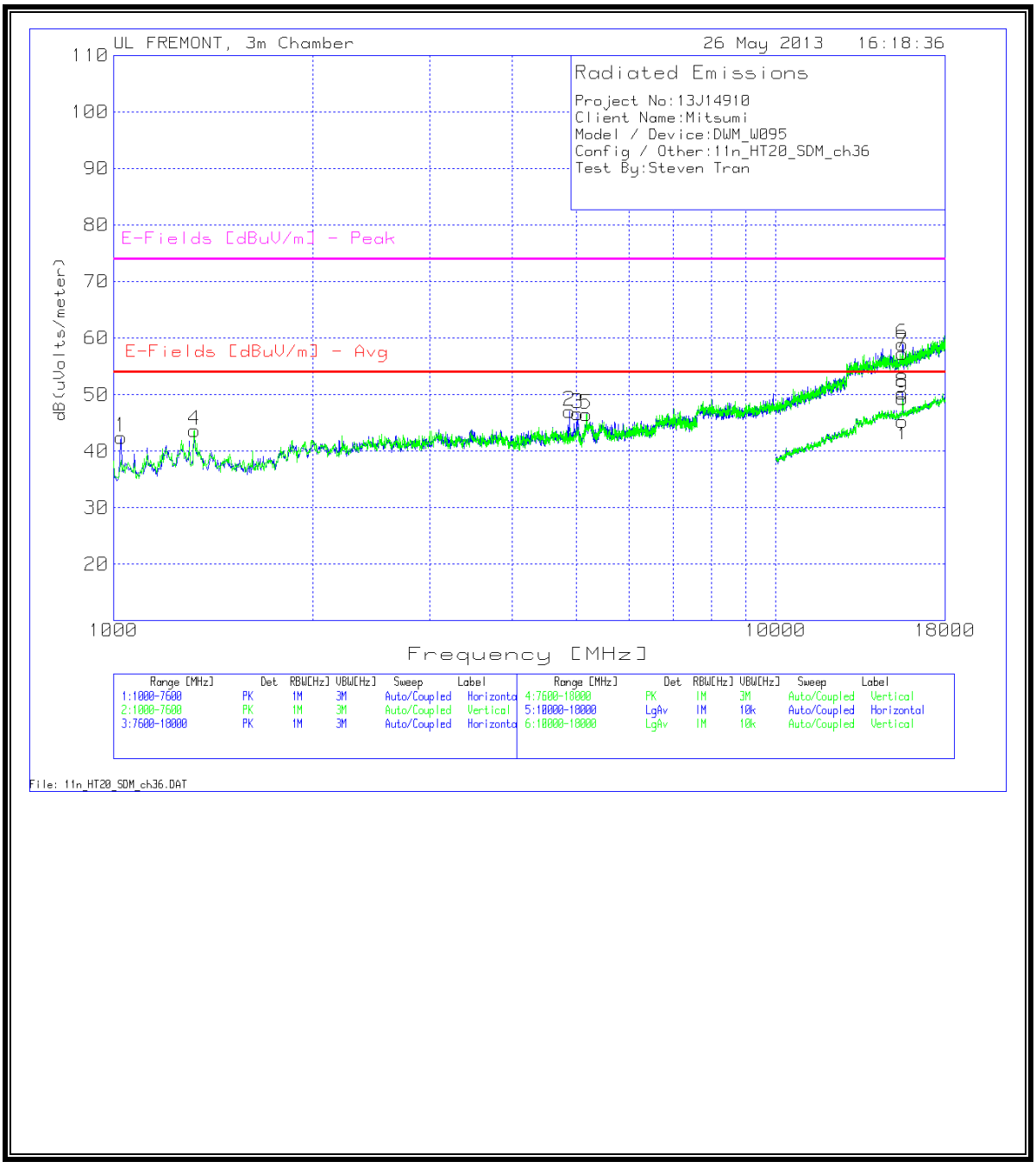


HIGH CHANNEL BANDEDGE, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 36 GRAPH



LOW CHANNEL 36 DATA

Project No:13J14910
Client Name:Mitsumi
Model / Device:DWM_W095
Config / Other:11n_HT20_SDM_ch36
Test By:Steven Tran

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
1	1026.387	49.05	PK	27.2	-33.8	0	42.45	54	-11.55	74	-31.55	100	Horz
2	4878.861	38.11	PK	34	-25.2	0.2	47.11	54	-6.89	74	-26.89	201	Horz
3	5027.286	36.6	PK	34.1	-24.9	0.9	46.7	54	-7.3	74	-27.3	201	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor [dB/m] (dB)	T34 Preamp/Cabl e Loss [dB] (dB)	T159 BRF [dB] (dB)	dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Margin	E-Fields [dBuV/m] - Peak	Margin	Height [cm]	Polarity
4	1326.537	46.57	PK	29.9	-32.8	0	43.67	54	-10.33	74	-30.33	201	Vert
*5	5179.01	36.15	PK	34.2	-24.7	0.9	46.55	-	-	-	-	201	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
6	15531.234	34.59	PK	40.3	-16.5	0.5	58.89	-	-	74	-15.11	99	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
7	15541.629	33.07	PK	40.3	-16.5	0.5	57.37	-	-	74	-16.63	201	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
8	15541.229	26.06	PK	40.3	-16.5	0.5	50.36	-	-	74	-23.64	100	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
9	15545.227	25.14	PK	40.3	-16.5	0.4	49.34	-	-	74	-24.66	201	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
8	15556.309	16.96	AV	40.3	-16.5	0.5	43.89	54	-10.11	-	-	100	Horz

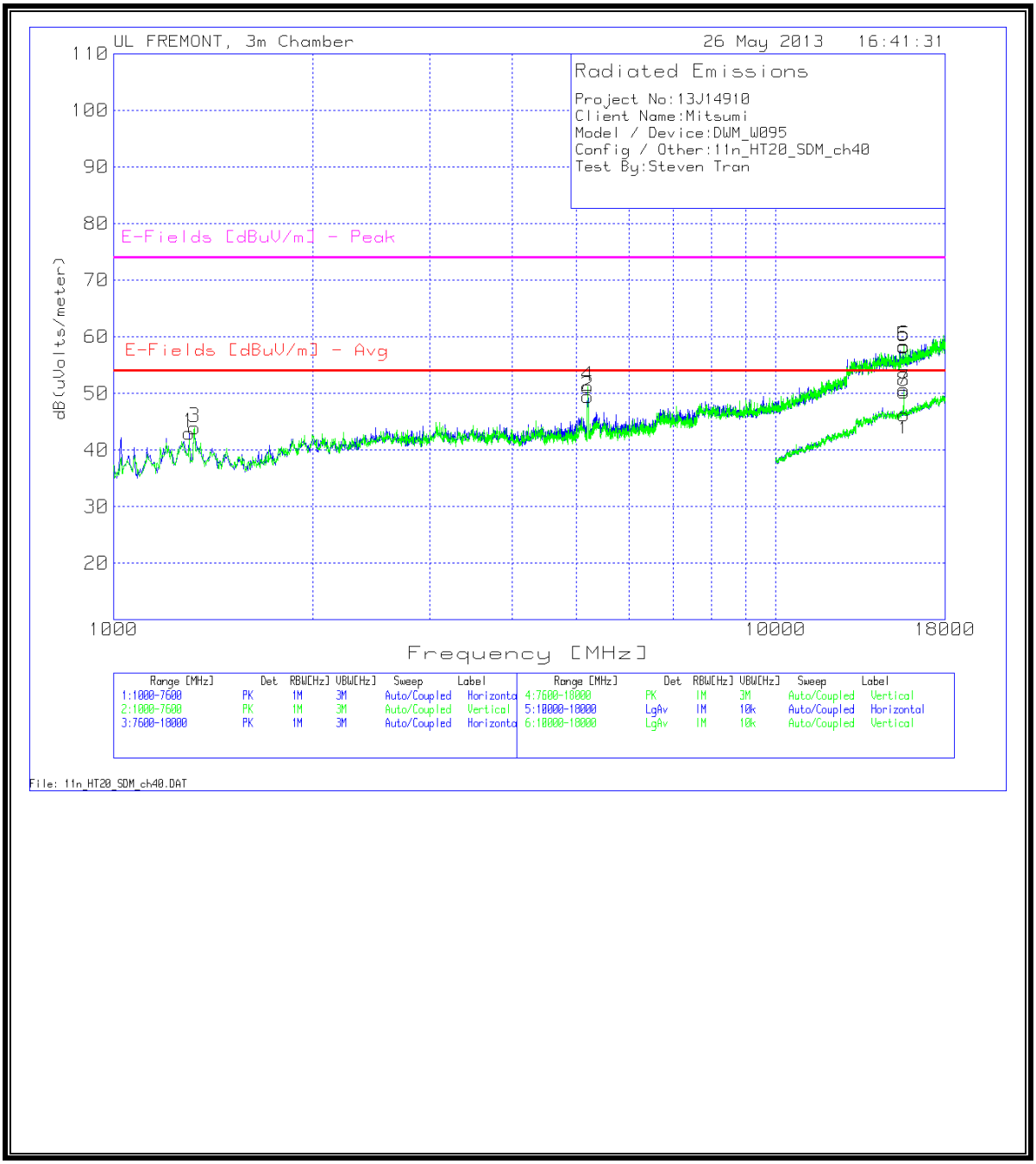
Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
9	15632.457	15.44	AV	40.3	-16.5	0.4	36.54	54	-17.46	-	-	201	Vert

* Fundamental

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

MID CHANNEL 40 GRAPH



MID CHANNEL 40 DATA

Project No:13J14910
Client Name:Mitsumi
Model / Device:DWM_W095
Config / Other:11n HT20 SDM Ch40_5200MHz
Test By:Joe Vang

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
1	1023.088	48.15	PK	27.5	-36	3.2	0	42.85	53.97	-11.12	74	-31.15	100	Horz
2	1075.862	48.03	PK	27.8	-35.9	3.2	0	43.13	53.97	-10.84	74	-30.87	200	Horz
3	4898.651	41.1	PK	34.6	-34.9	7.1	0.2	48.1	53.97	-5.87	74	-25.9	100	Horz
*4	5205.397	40.58	PK	34.8	-34.9	7.4	0.9	48.78	-	-	-	-	200	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
5	1075.862	46.87	PK	27.8	-35.9	3.2	0	41.97	53.97	-12	74	-32.03	200	Vert
*6	5205.397	42.34	PK	34.8	-34.9	7.4	0.9	50.54	-	-	-	-	200	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
7	10396.202	35.71	PK	38.1	-34.5	10.7	0.2	50.21	-	-	74	-23.79	200	Horz
8	13868.066	33.73	PK	39.2	-32.1	12.6	0.4	53.83	-	-	74	-20.17	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
9	10391.004	37.36	PK	38.1	-34.5	10.7	0.3	51.96	-	-	74	-22.04	200	Vert
10	15598.801	32.27	PK	41.1	-32.9	13.5	0.2	54.17	-	-	74	-19.83	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
11	10399.8	26.18	PK	38.1	-34.5	10.7	0.2	40.68	-	-	68.2	-27.52	100	Horz
12	13898.051	22.81	PK	39.2	-32.1	12.6	0.6	43.11	-	-	68.2	-25.09	200	Horz

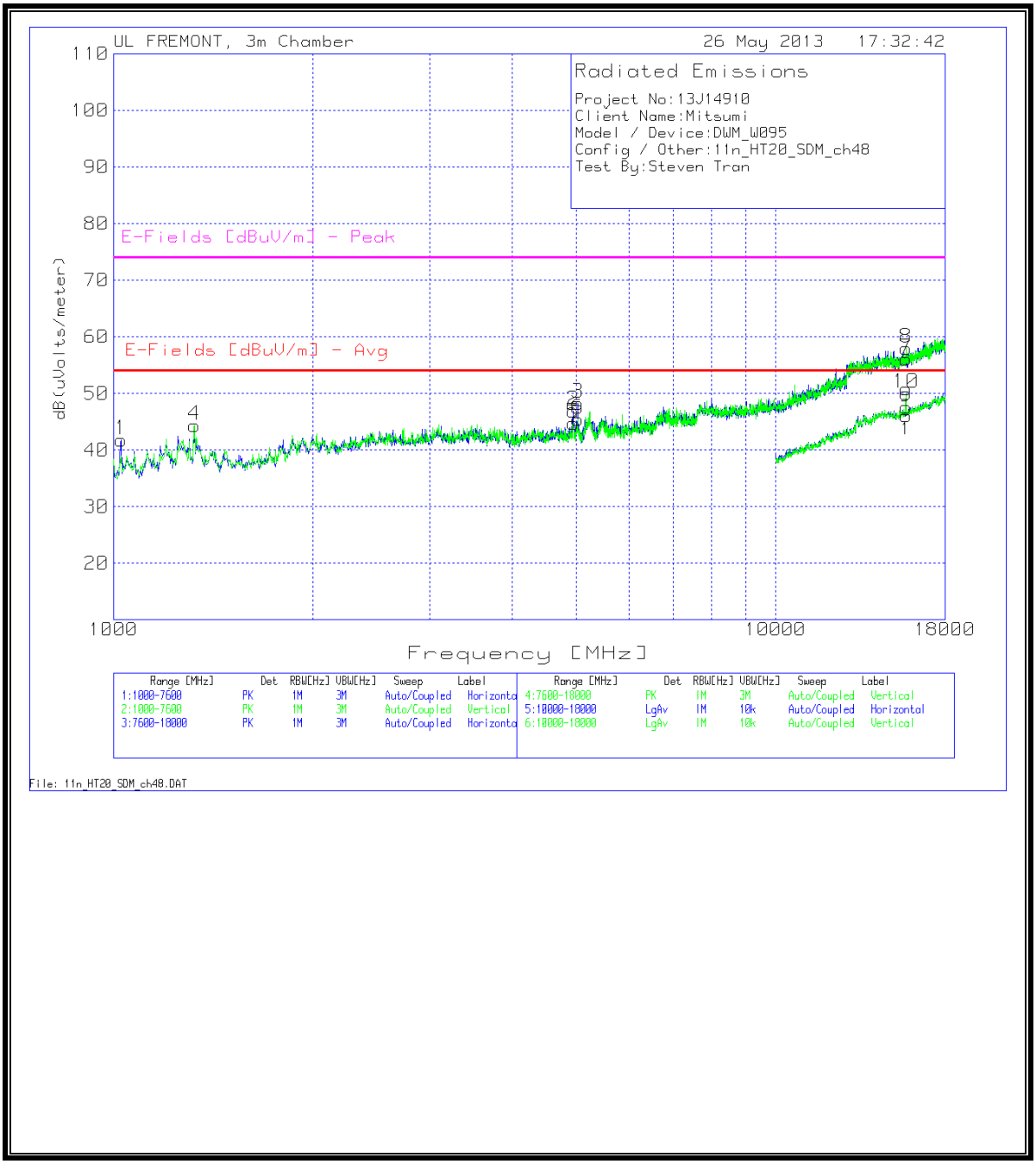
Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
13	10399.8	26.73	PK	38.1	-34.5	10.7	0.2	41.23	-	-	68.2	-26.97	200	Vert
14	15601.199	22.27	PK	41.1	-32.9	13.5	0.2	44.17	53.97	-9.8	74	-29.83	200	Vert

* Fundamental

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

HIGH CHANNEL 48 GRAPH



HIGH CHANNEL 48 DATA

Project No:13J14910
Client Name:Mitsumi
Model / Device:DWM_W095
Config / Other:11n HT20 SDM Ch48_5240MHz
Test By:Joe Vang

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
1	1026.387	48.34	PK	27.5	-36	3.2	0	43.04	53.97	-10.93	74	-30.96	100	Horz
2	1075.862	48.4	PK	27.8	-35.9	3.2	0	43.5	53.97	-10.47	74	-30.5	100	Horz
3	5271.364	37.28	PK	34.9	-34.9	7.4	0.9	45.58	-	-	68.2	-22.62	200	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
4	1075.862	47.45	PK	27.8	-35.9	3.2	0	42.55	53.97	-11.42	74	-31.45	200	Vert
5	2025.787	43.38	PK	31.8	-35	4.2	0	44.38	53.97	-9.59	74	-29.62	100	Vert
6	5268.066	37.2	PK	34.9	-34.9	7.4	0.9	45.5	-	-	68.2	-22.7	100	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
7	13748.526	34.13	PK	39.1	-32.1	12.5	0.6	54.23	-	-	68.2	-13.97	100	Horz
8	17864.868	32.1	PK	42.2	-31.3	14.8	0.4	58.2	-	-	74	-15.8	200	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
9	11737.131	34.35	PK	39	-33.5	11.4	0.3	51.55	-	-	74	-22.45	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
10	13734.133	22.4	PK	39.1	-32.1	12.5	0.7	42.6	-	-	68.2	-25.6	100	Horz
11	17740.13	21.47	PK	42.2	-31.4	14.7	0.2	47.17	53.97	-6.8	74	-26.83	200	Horz

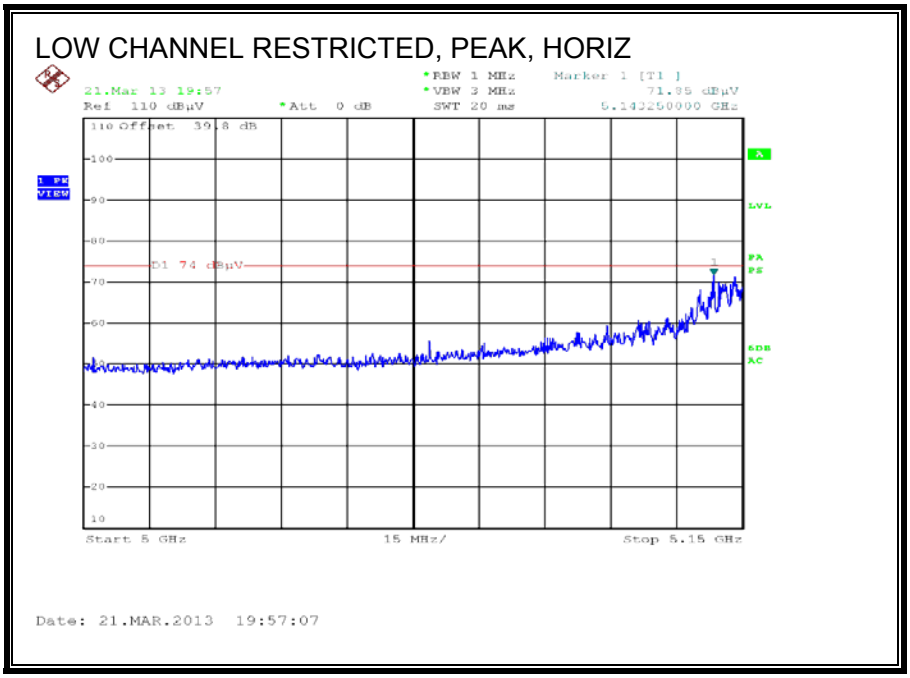
Vertical 10000 - 18000MHz

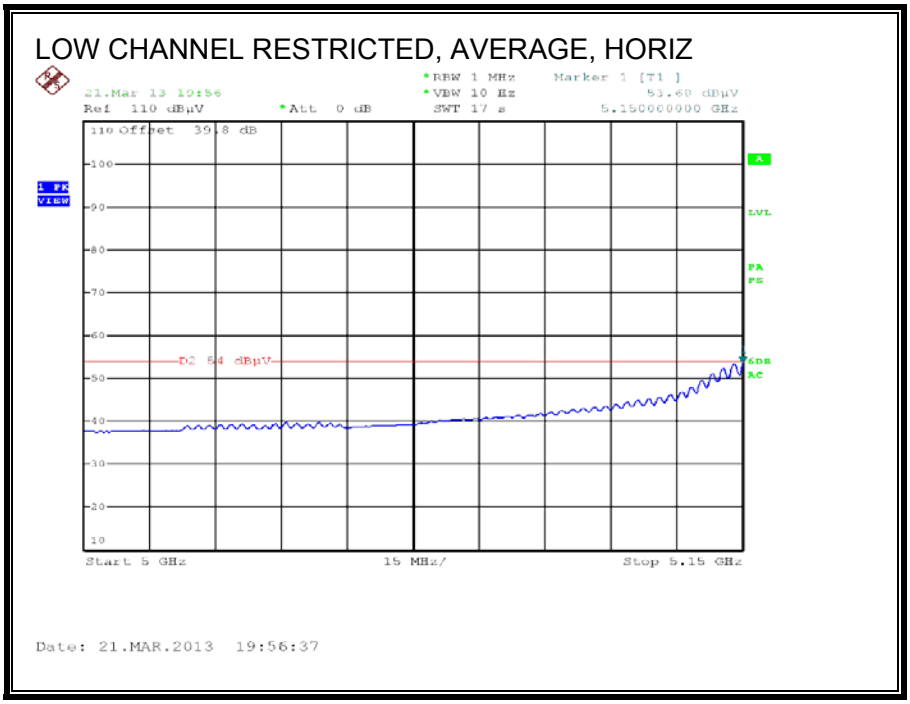
Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
12	11863.068	23.84	PK	39.1	-33.4	11.5	0.2	41.24	53.97	-12.73	74	-32.76	100	Vert

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

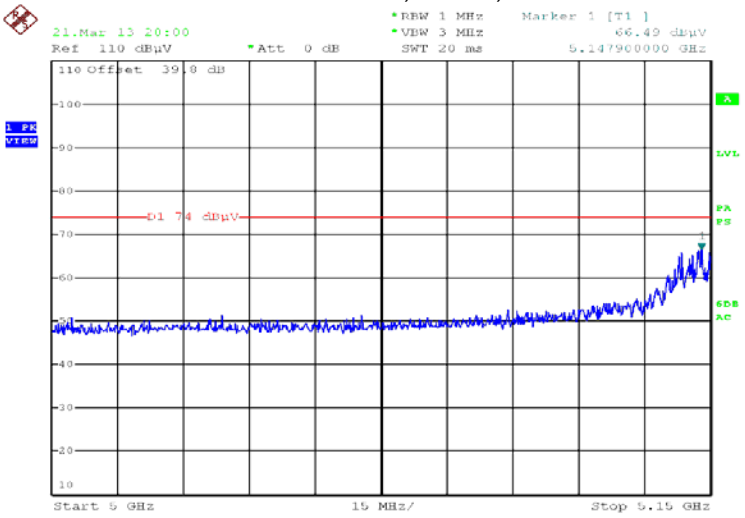
9.5. 802.11n HT40 CDD MCS0 2TX MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

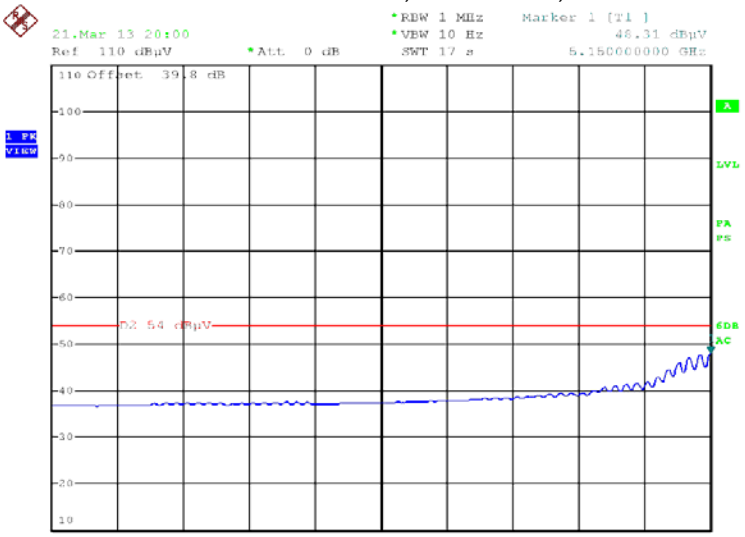




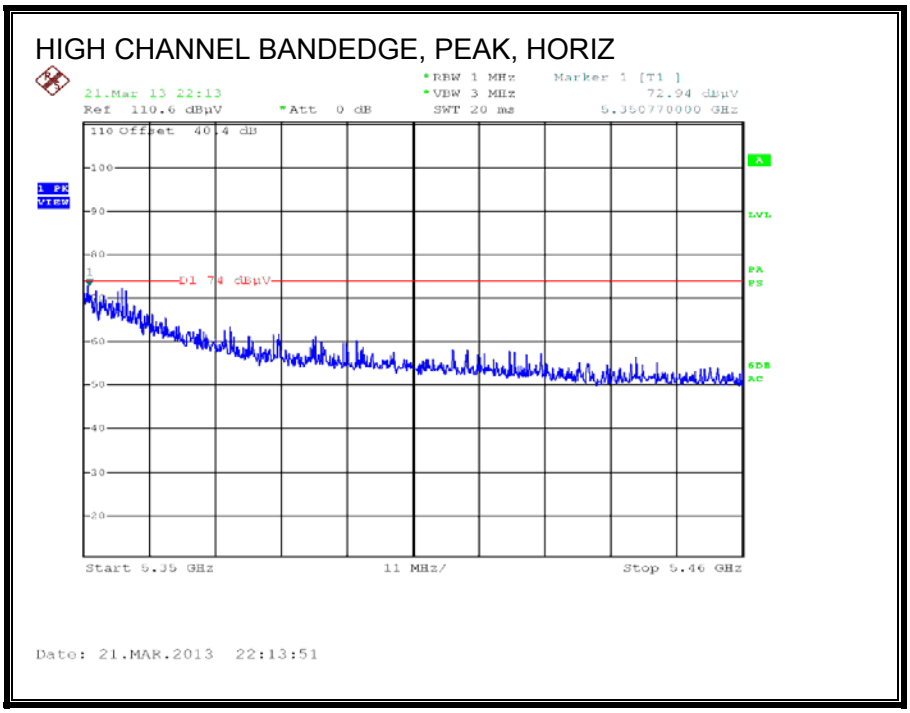
LOW CHANNEL RESTRICTED, PEAK, VERT

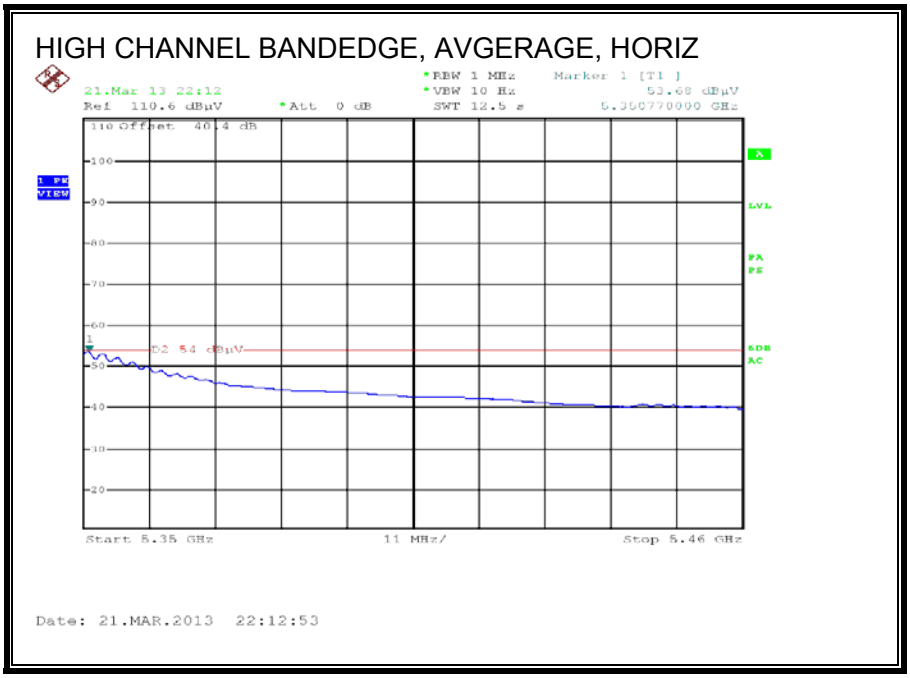


LOW CHANNEL RESTRICTED, AVERAGE, VERT

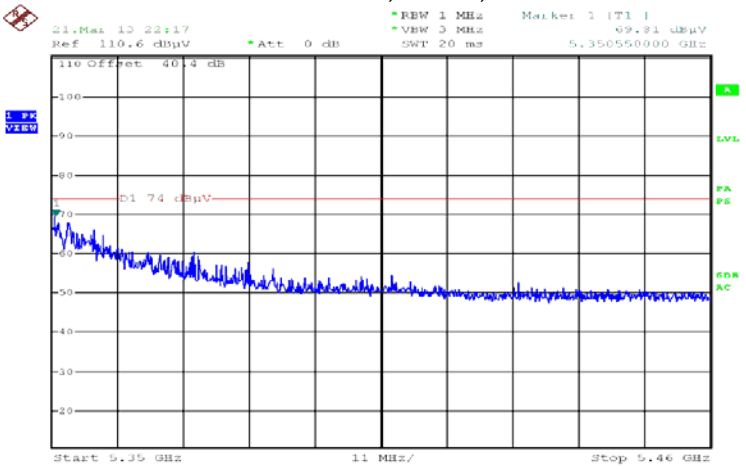


AUTHORIZED BANDEDGE (HIGH CHANNEL)

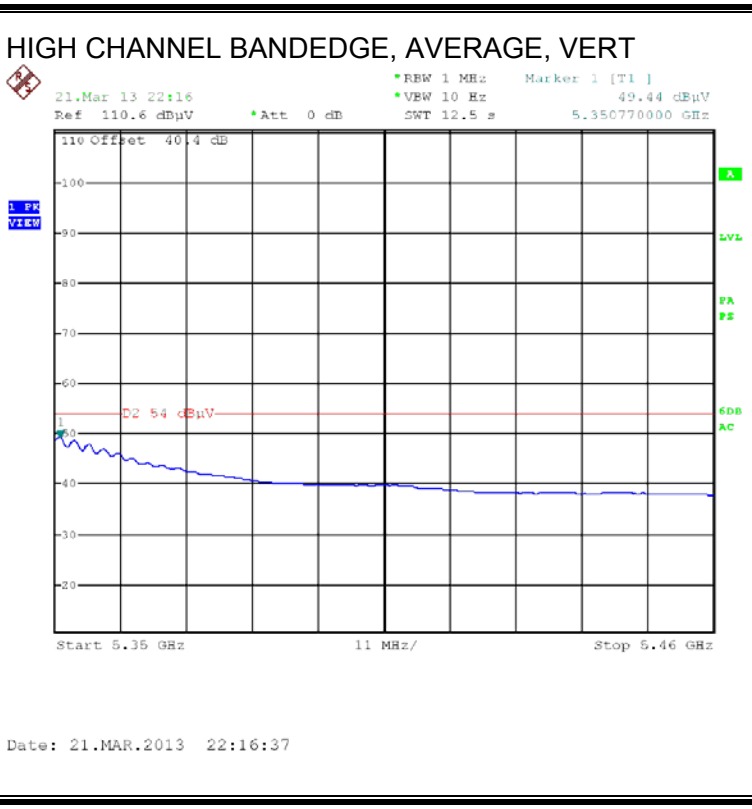




HIGH CHANNEL BANDEDGE, PEAK, VERT

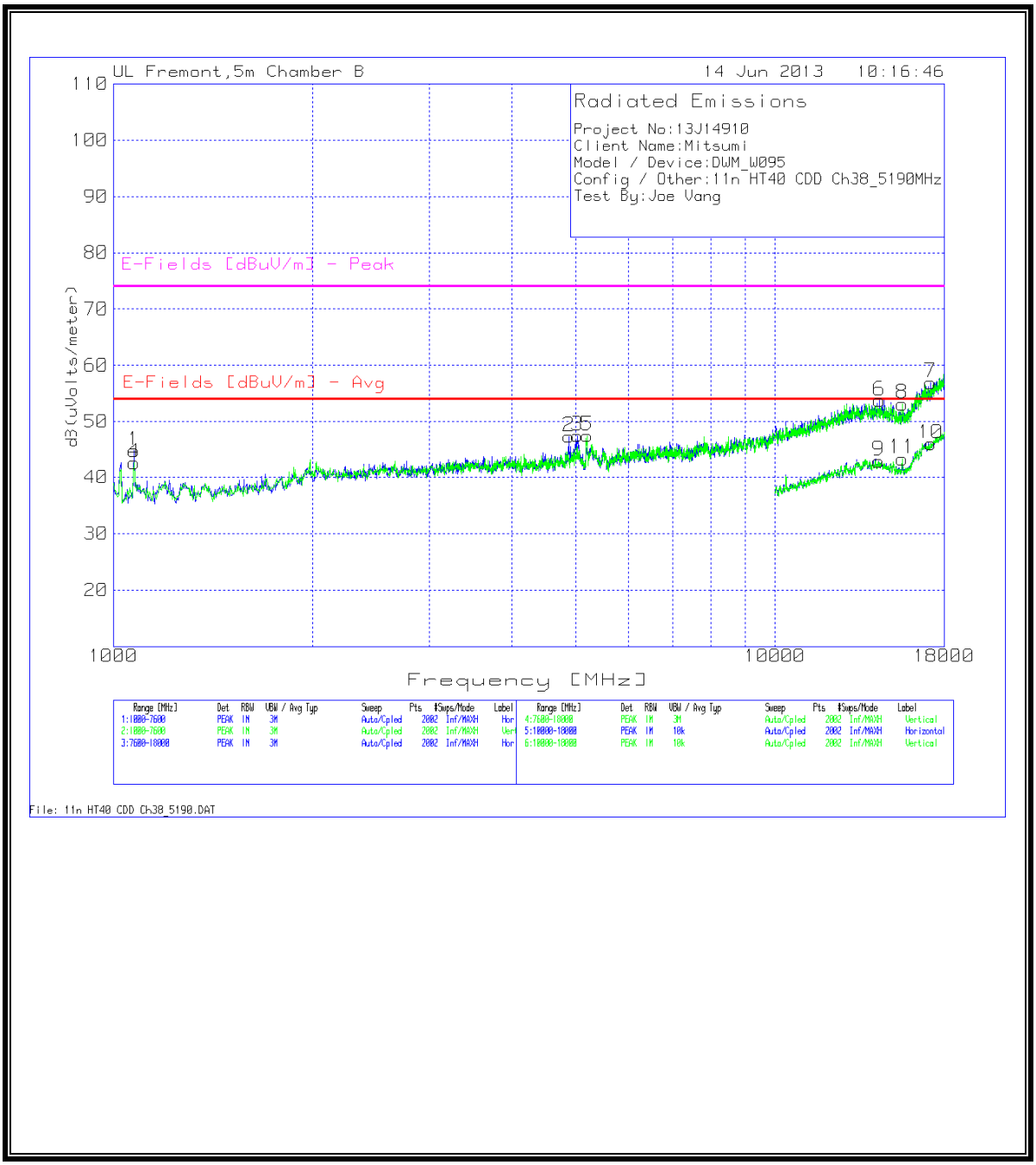


HIGH CHANNEL BANDEDGE, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 38 GRAPH



LOW CHANNEL 38 DATA

Project No:13J14910
Client Name:Mitsumi
Model / Device:DWM_W095
Config / Other:11n HT40 CDD Ch38_5190MHz
Test By:Joe Vang

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
1	1075.862	49.61	PK	27.8	-35.9	3.2	0	44.71	53.97	-9.26	74	-29.29	100	Horz
2	4875.562	40.31	PK	34.6	-34.9	7.1	0.2	47.31	53.97	-6.66	74	-26.69	200	Horz
3	5020.69	39.68	PK	34.6	-34.9	7.2	0.9	47.48	53.97	-6.49	74	-26.52	200	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
4	1075.862	47.42	PK	27.8	-35.9	3.2	0	42.52	53.97	-11.45	74	-31.48	200	Vert
5	5202.099	39.28	PK	34.8	-34.9	7.4	0.9	47.48	-	-	68.2	-20.72	200	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
6	14367.016	33.45	PK	39.6	-32.4	12.8	0.3	53.75	-	-	74	-20.25	100	Horz
7	17178.811	32.36	PK	41.6	-31.7	14.4	0.3	56.96	-	-	74	-17.04	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
8	15578.011	31.24	PK	41	-32.9	13.5	0.3	53.14	-	-	74	-20.86	200	Vert

Horizontal 10000 - 18000MHz

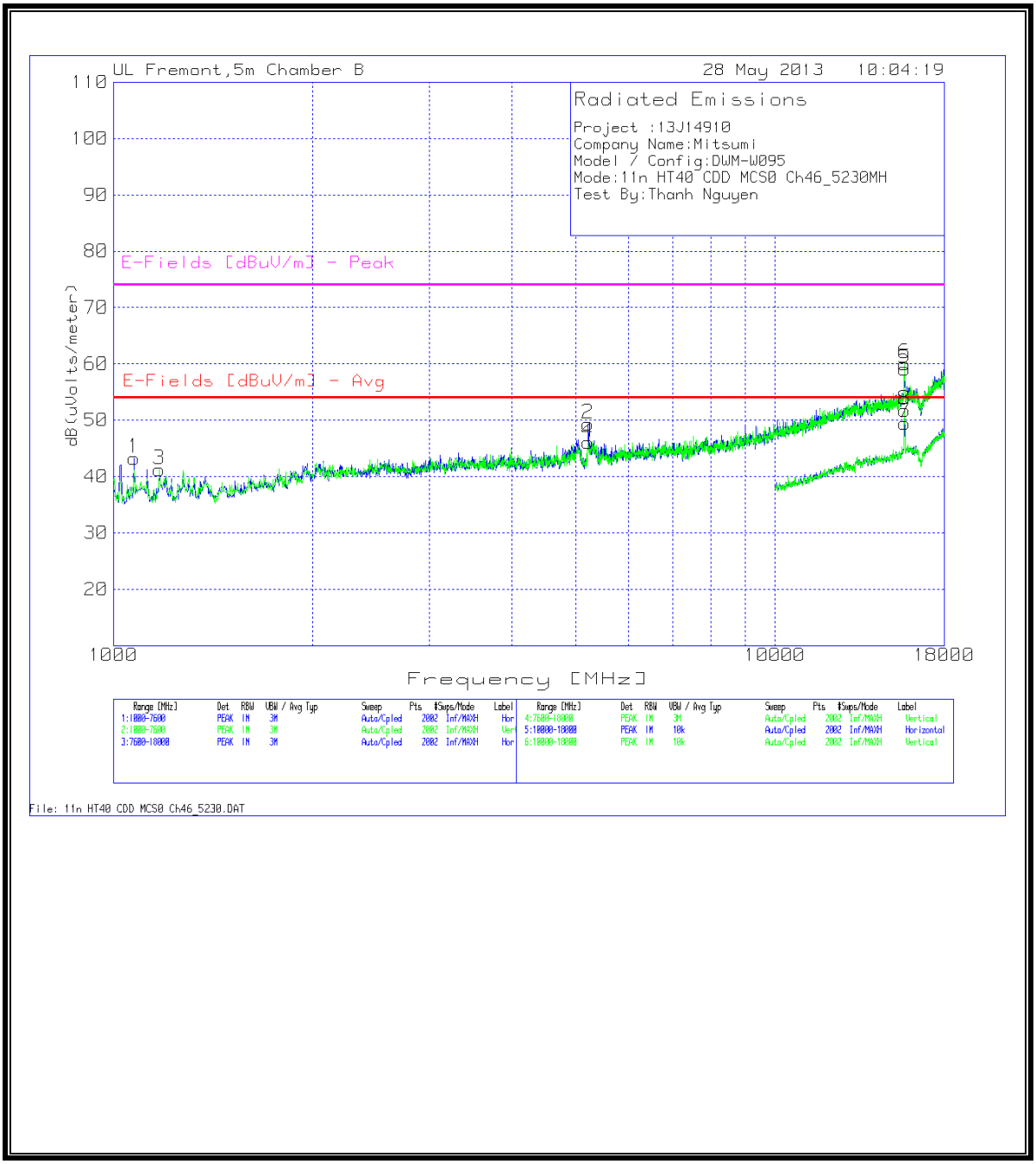
Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
9	14333.833	22.6	PK	39.6	-32.4	12.8	0.3	42.9	-	-	68.2	-25.3	100	Horz
10	17196.402	21.21	PK	41.6	-31.7	14.4	0.4	45.91	-	-	68.2	-22.29	200	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading(dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
11	15569.215	21.31	PK	41	-32.9	13.5	0.3	43.21	53.97	-10.76	74	-30.79	200	Vert

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

HIGH CHANNEL 46 GRAPH



HIGH CHANNEL 46 DATA

Project :13J14910
Company Name:Mitsumi
Model / Config:DWM-W095
Mode:11n HT40 CDD MCS0 Ch46_5230MH
Test By:Thanh Nguyen

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
1	1075.862	48.15	PK	27.8	-35.9	3.2	0	43.25	53.97	-10.72	74	-30.75	100	Horz
2	5215.292	41.05	PK	34.9	-34.9	7.4	0.9	49.35	-	-	68.2	-18.85	200	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
3	1174.813	45.42	PK	28.2	-35.7	3.3	0	41.22	53.97	-12.75	74	-32.78	200	Vert
4	5218.591	37.74	PK	34.9	-34.9	7.4	0.9	46.04	-	-	68.2	-22.16	200	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
5	15676.762	36.79	PK	41.2	-32.9	13.6	0.4	59.09	-	-	74	-14.91	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
6	15687.156	37.79	PK	41.2	-32.9	13.6	0.4	60.09	-	-	74	-13.91	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
7	15685.157	27.17	PK	41.2	-32.9	13.6	0.4	49.47	53.97	-4.5	74	-24.53	100	Horz

Vertical 10000 - 18000MHz

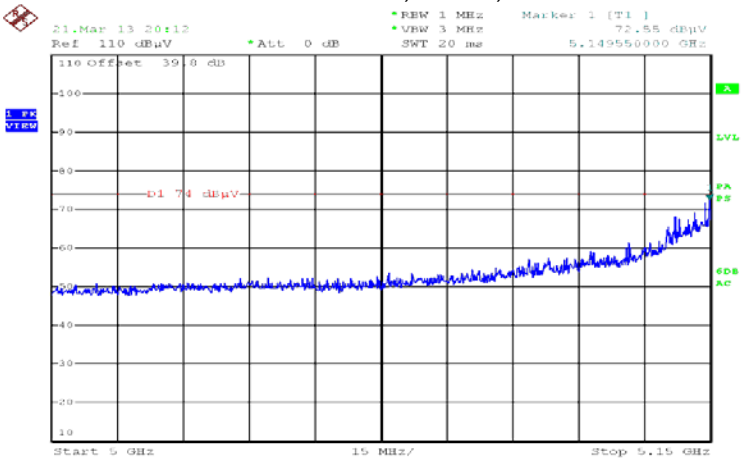
Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
8	15685.157	29.52	PK	41.2	-32.9	13.6	0.4	51.82	53.97	-2.15	74	-22.18	200	Vert

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

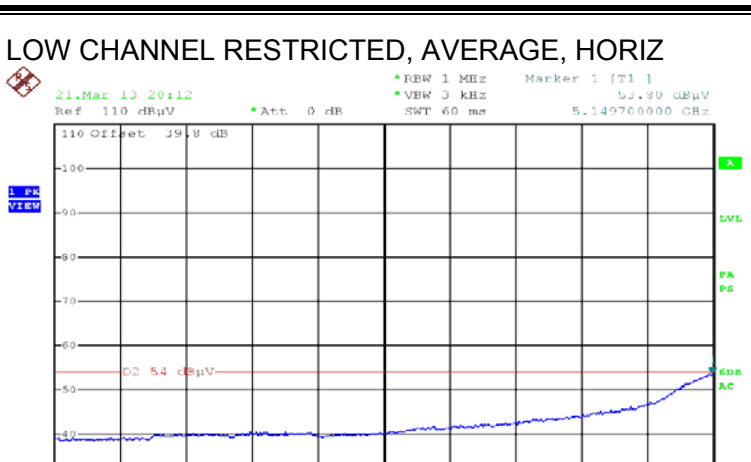
9.6. 802.11n HT40 SDM MCS8 2TX MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

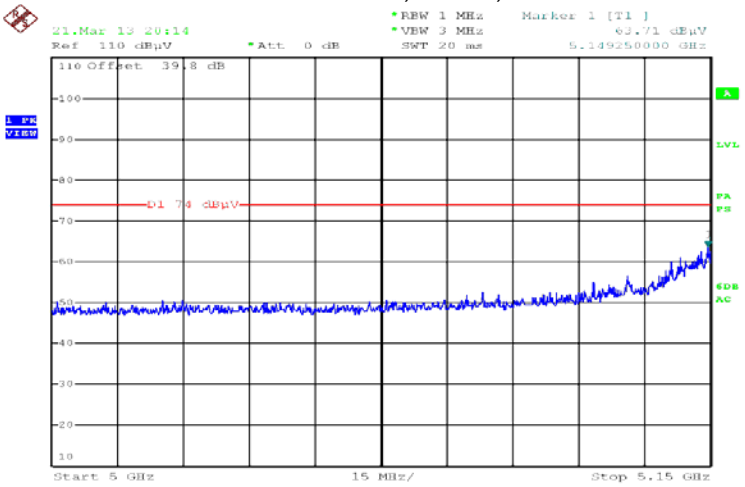
LOW CHANNEL RESTRICTED, PEAK, HORIZ



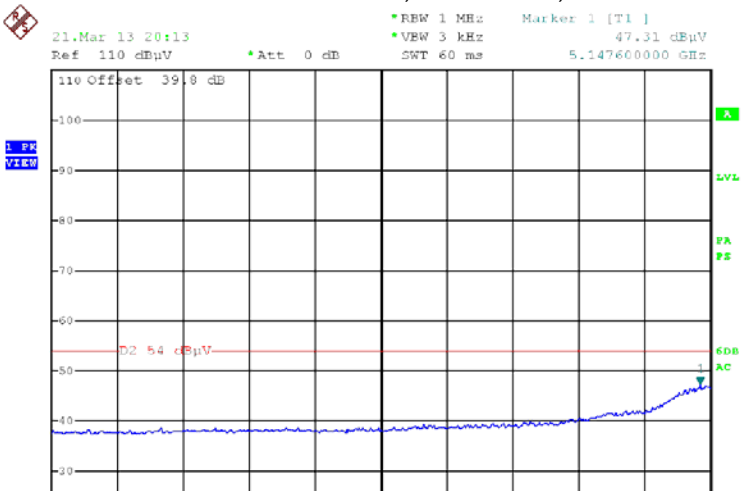
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT

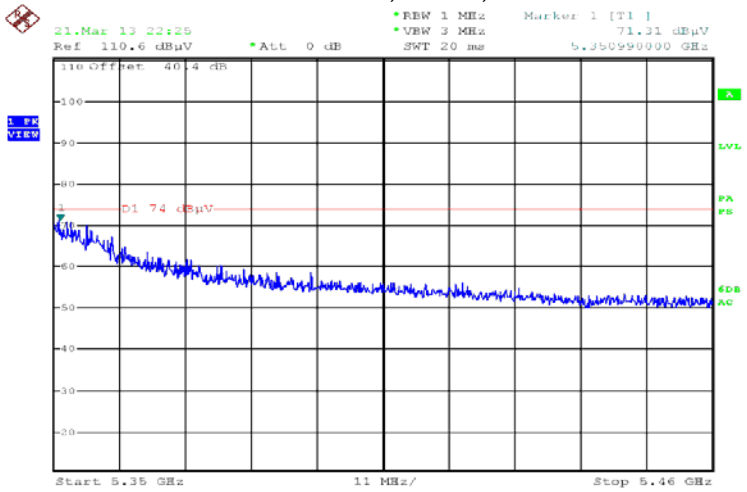


LOW CHANNEL RESTRICTED, AVERAGE, VERT



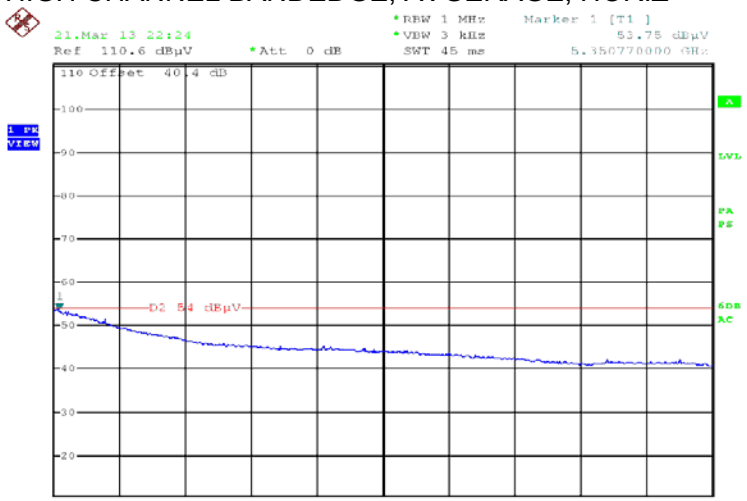
AUTHORIZED BANDEDGE (HIGH CHANNEL)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



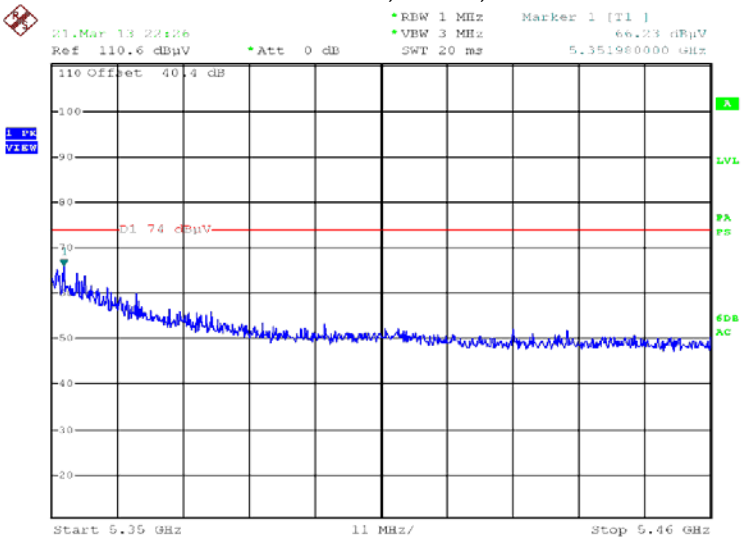
Date: 21.MAR.2013 22:25:39

HIGH CHANNEL BANDEDGE, AVGERAGE, HORIZ

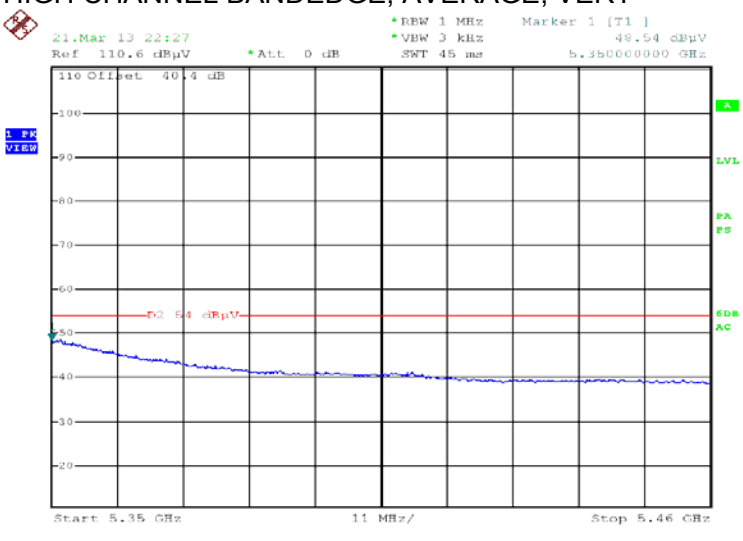


Date: 21.MAR.2013 22:24:47

HIGH CHANNEL BANDEDGE, PEAK, VERT

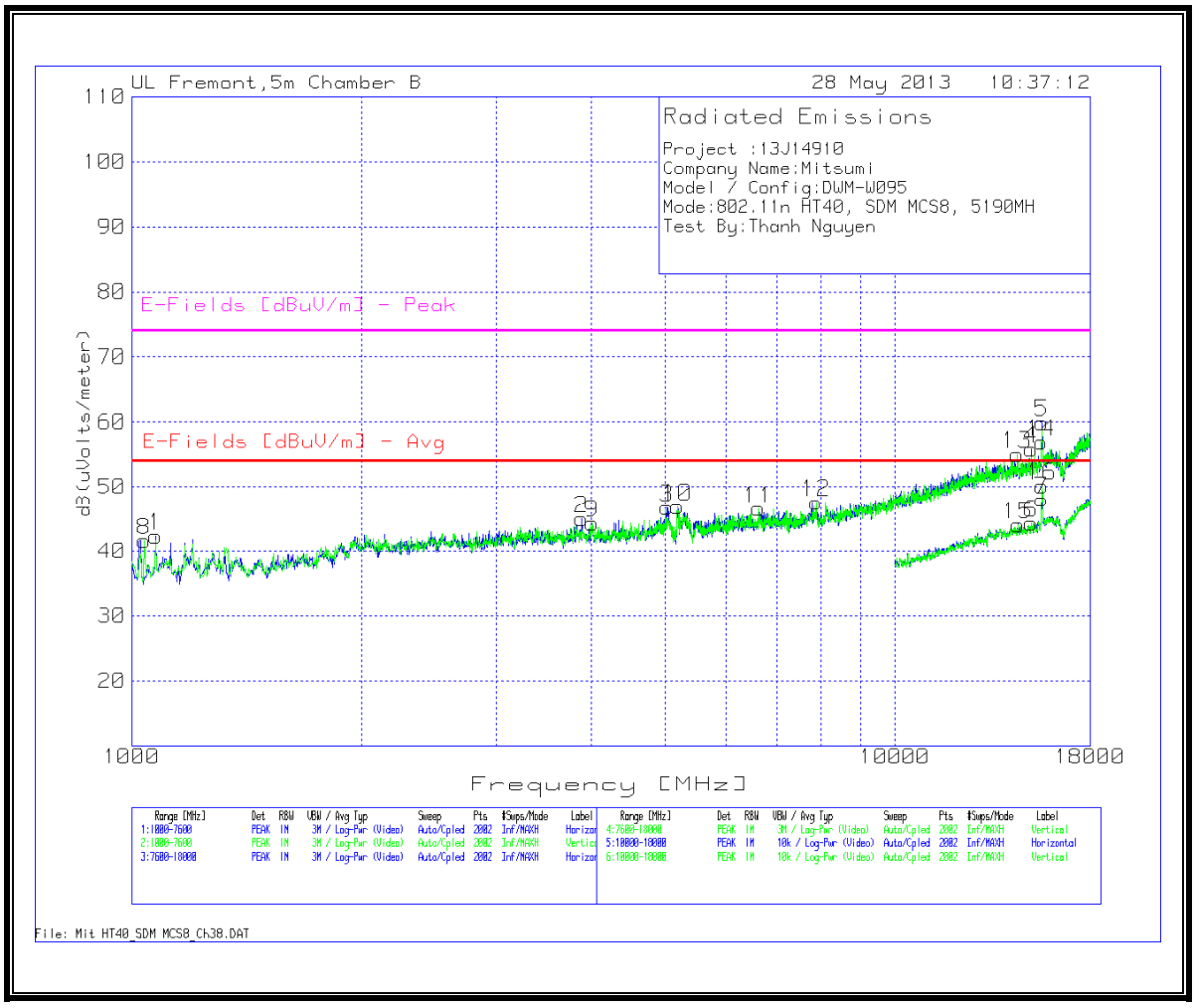


HIGH CHANNEL BANDEDGE, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

Low Channel



LOW CHANNEL 38 DATA

Project :13J14910
Company Name:Mitsumi
Model / Config:DWM-W095
Mode:802.11n HT40, SDM MCS8, 5190MH
Test By:Thanh Nguyen

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
1	1075.862	47.27	PK	27.8	-35.9	3.2	0	42.37	53.97	-11.6	74	-31.63	100	Horz
2	3889.355	39.76	PK	33.9	-34.9	6.1	0.1	44.96	53.97	-9.01	74	-29.04	200	Horz
3	5030.585	39.03	PK	34.6	-34.9	7.2	0.9	46.83	53.97	-7.14	74	-27.17	200	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
8	1039.58	46.67	PK	27.6	-35.9	3.2	0	41.57	53.97	-12.4	74	-32.43	200	Vert
9	4011.394	38.95	PK	33.9	-34.8	6.2	0.1	44.35	53.97	-9.62	74	-29.65	100	Vert
*10	5185.607	38.75	PK	34.8	-34.9	7.4	0.9	46.95	-	-	-	-	200	Vert
11	6620.39	37.18	PK	35.9	-35	8.4	0.1	46.58	-	-	68.2	-21.62	100	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
4	15089.455	34.79	PK	40.1	-32.9	13.2	0.6	55.79	-	-	68.2	-12.41	100	Horz
5	15583.208	38.13	PK	41	-32.9	13.5	0.2	59.93	-	-	74	-14.07	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
12	7880.66	36.94	PK	36.1	-35.1	9.2	0.5	47.64	-	-	68.2	-20.56	100	Vert
13	14465.767	34.58	PK	39.7	-32.5	12.9	0.4	55.08	-	-	68.2	-13.12	100	Vert
14	15546.827	34.77	PK	41	-32.9	13.5	0.5	56.87	-	-	74	-17.13	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
6	15077.461	23.24	PK	40.1	-32.9	13.2	0.7	44.34	-	-	68.2	-23.86	200	Horz
7	15573.213	26.16	PK	41	-32.9	13.5	0.3	48.06	53.97	-5.91	74	-25.94	100	Horz

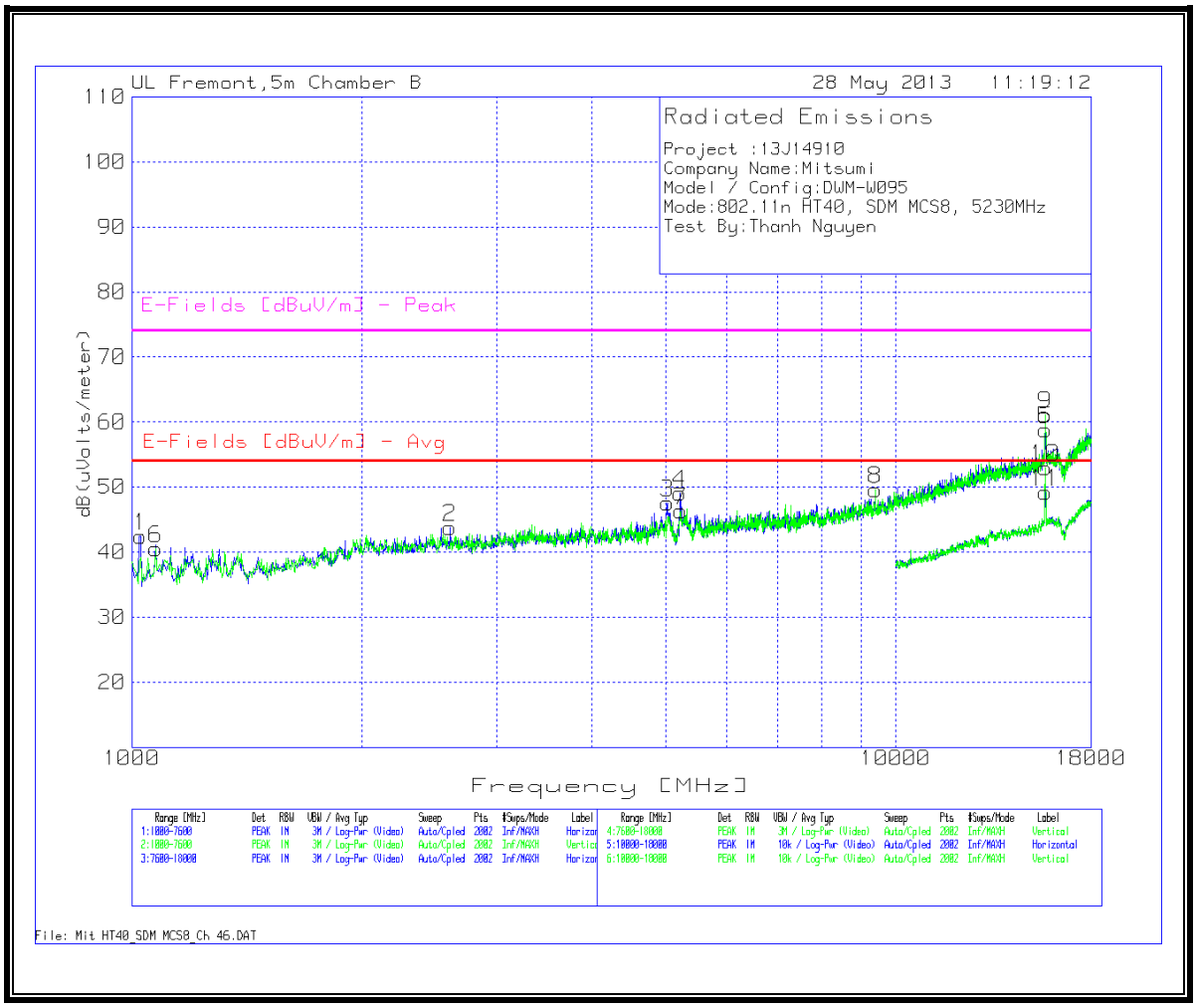
Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
15	14481.759	23.53	PK	39.7	-32.5	12.9	0.5	44.13	53.97	-9.84	74	-29.87	100	Vert
16	15565.217	28.18	PK	41	-32.9	13.5	0.4	50.18	53.97	-3.79	74	-23.82	200	Vert

* Fundametal

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

High Channel



HIGH CHANNEL 46 DATA

Project :13J14910
Company Name:Mitsumi
Model / Config:DWM-W095
Mode:802.11n HT40, SDM MCS8, 5230MHz
Test By:Thanh Nguyen

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
1	1026.387	47.78	PK	27.5	-36	3.2	0	42.48	53.97	-11.49	74	-31.52	100	Horz
2	2609.595	41.43	PK	32.6	-35.1	4.8	0.1	43.83	53.97	-10.14	74	-30.17	100	Horz
3	5020.69	39.75	PK	34.6	-34.9	7.2	0.9	47.55	53.97	-6.42	74	-26.45	100	Horz
4	5215.292	40.73	PK	34.9	-34.9	7.4	0.9	49.03	-	-	68.2	-19.17	200	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
6	1075.862	45.45	PK	27.8	-35.9	3.2	0	40.55	53.97	-13.42	74	-33.45	200	Vert
*7	5225.187	38.13	PK	34.9	-34.9	7.4	0.9	46.43	-	-	-	-	200	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
5	15687.156	36.48	PK	41.2	-32.9	13.6	0.4	58.78	-	-	74	-15.22	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
8	9398.301	37.46	PK	37.1	-35.1	10.1	0.1	49.66	53.97	-4.31	74	-24.34	200	Vert
9	15687.156	38.84	PK	41.2	-32.9	13.6	0.4	61.14	-	-	74	-12.86	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
11	15685.157	26.89	PK	41.2	-32.9	13.6	0.4	49.19	53.97	-4.78	74	-24.81	100	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
10	15681.159	30.73	PK	41.2	-32.9	13.6	0.4	53.03	53.97	-0.94	74	-20.97	200	Vert

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
8	9398.301	25.39	Av	37.1	-35.1	10.1	0.1	37.59	53.97	-16.38	-	-	144	Vert

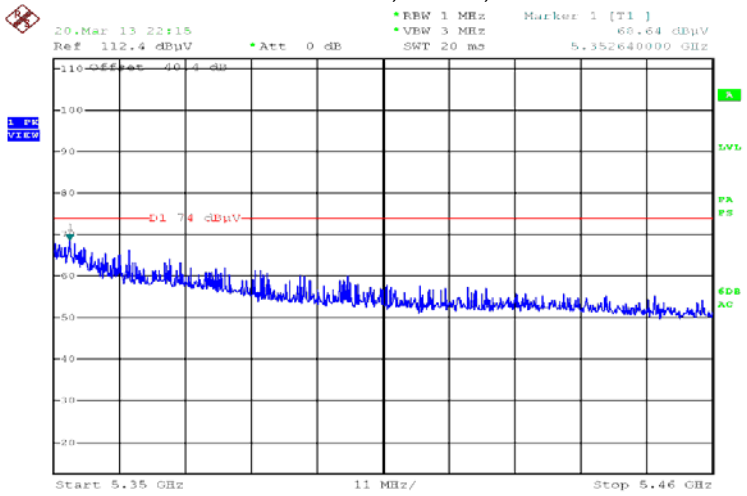
* Fundametal

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

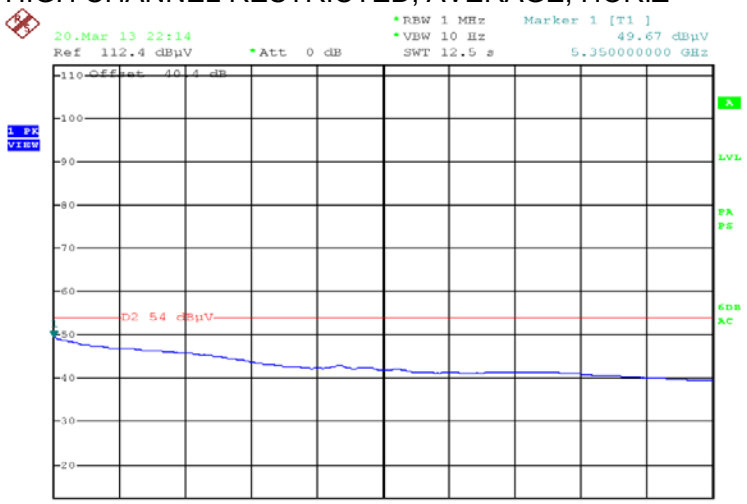
9.7. 802.11a CDD 2TX MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)

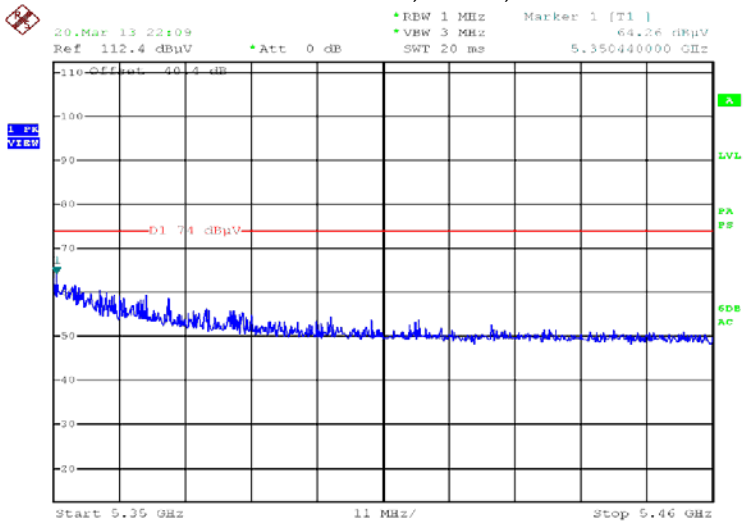
IGH CHANNEL RESTRICTED, PEAK, HORIZ



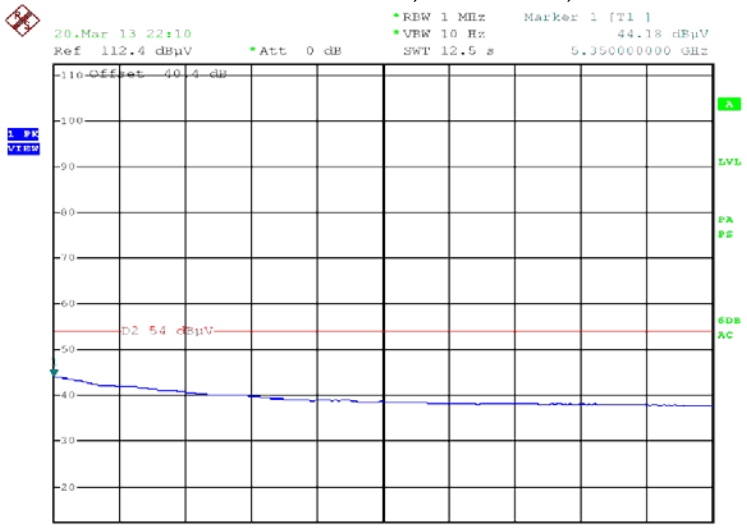
HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT

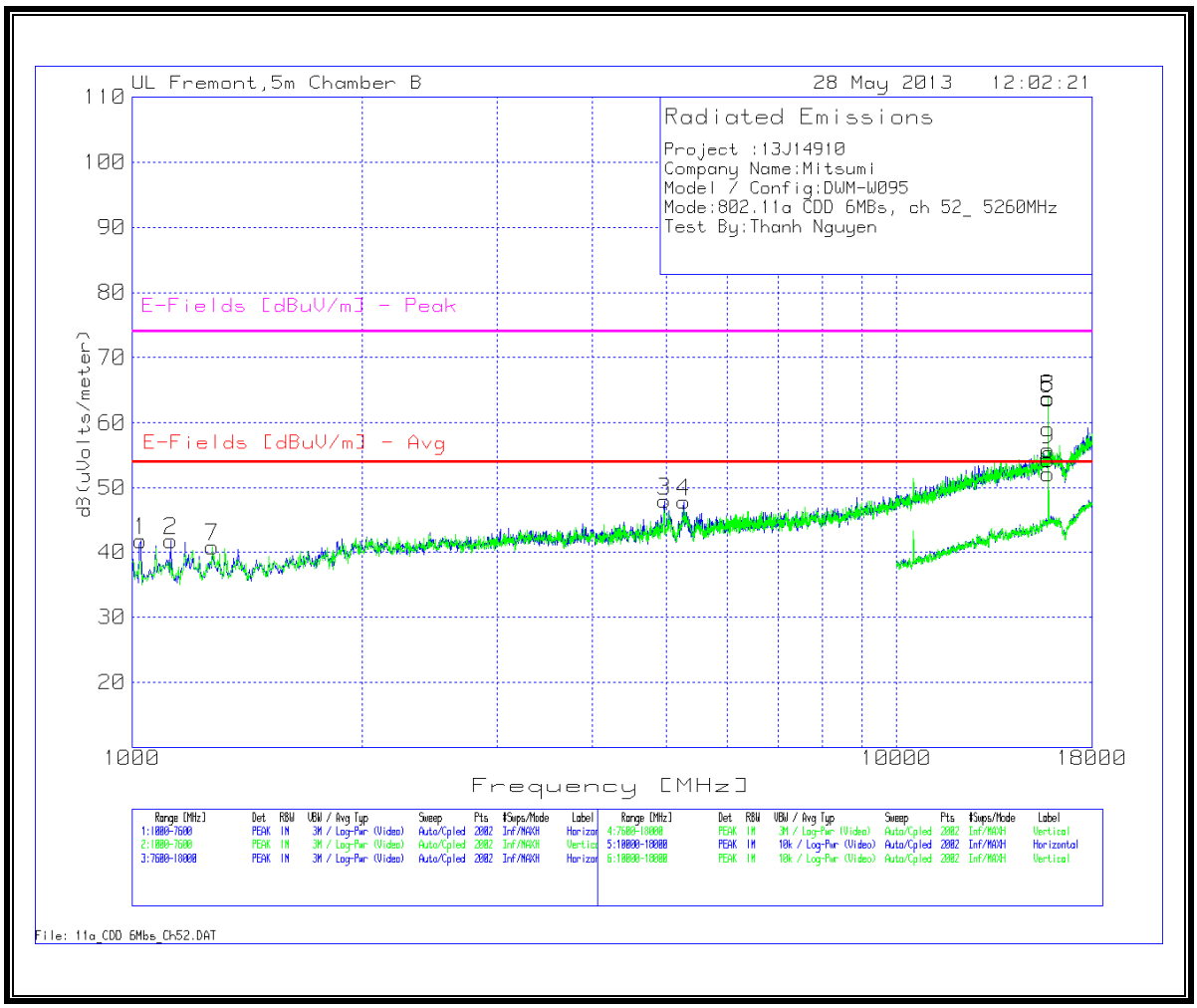


HIGH CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

Low Channel



LOW CHANNEL 52 DATA

Project :13J14910
Company Name:Mitsumi
Model / Config:DWM-W095
Mode:802.11a CDD 6MBs, ch 52_ 5260MHz
Test By:Thanh Nguyen

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
1	1026.387	47.05	PK	27.5	-36	3.2	0	41.75	53.97	-12.22	74	-32.25	100	Horz
2	1125.337	46.28	PK	28	-35.8	3.3	0	41.78	53.97	-12.19	74	-32.22	100	Horz
3	4967.916	40.64	PK	34.6	-34.9	7.2	0.4	47.94	53.97	-6.03	74	-26.06	100	Horz
*4	5264.768	39.54	PK	34.9	-34.9	7.4	0.9	47.84	-	-	-	-	100	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
7	1273.763	44.4	PK	28.6	-35.6	3.4	0	40.8	-	-	68.2	-27.4	200	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
5	15775.512	41.47	PK	41.3	-32.9	13.6	0.2	63.67	-	-	74	-10.33	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
8	15780.71	41.67	PK	41.3	-32.9	13.6	0.2	63.87	-	-	74	-10.13	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
6	15785.107	30.05	PK	41.3	-32.9	13.6	0.2	52.25	53.97	-1.72	74	-21.75	100	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
9	15781.109	33.69	PK	41.3	-32.9	13.6	0.2	55.89	53.97	1.92	74	-18.11	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
6	15781.1	27.42	Av	41.3	-32.9	13.6	0.2	49.62	53.97	-4.35	-	-	156	Horz

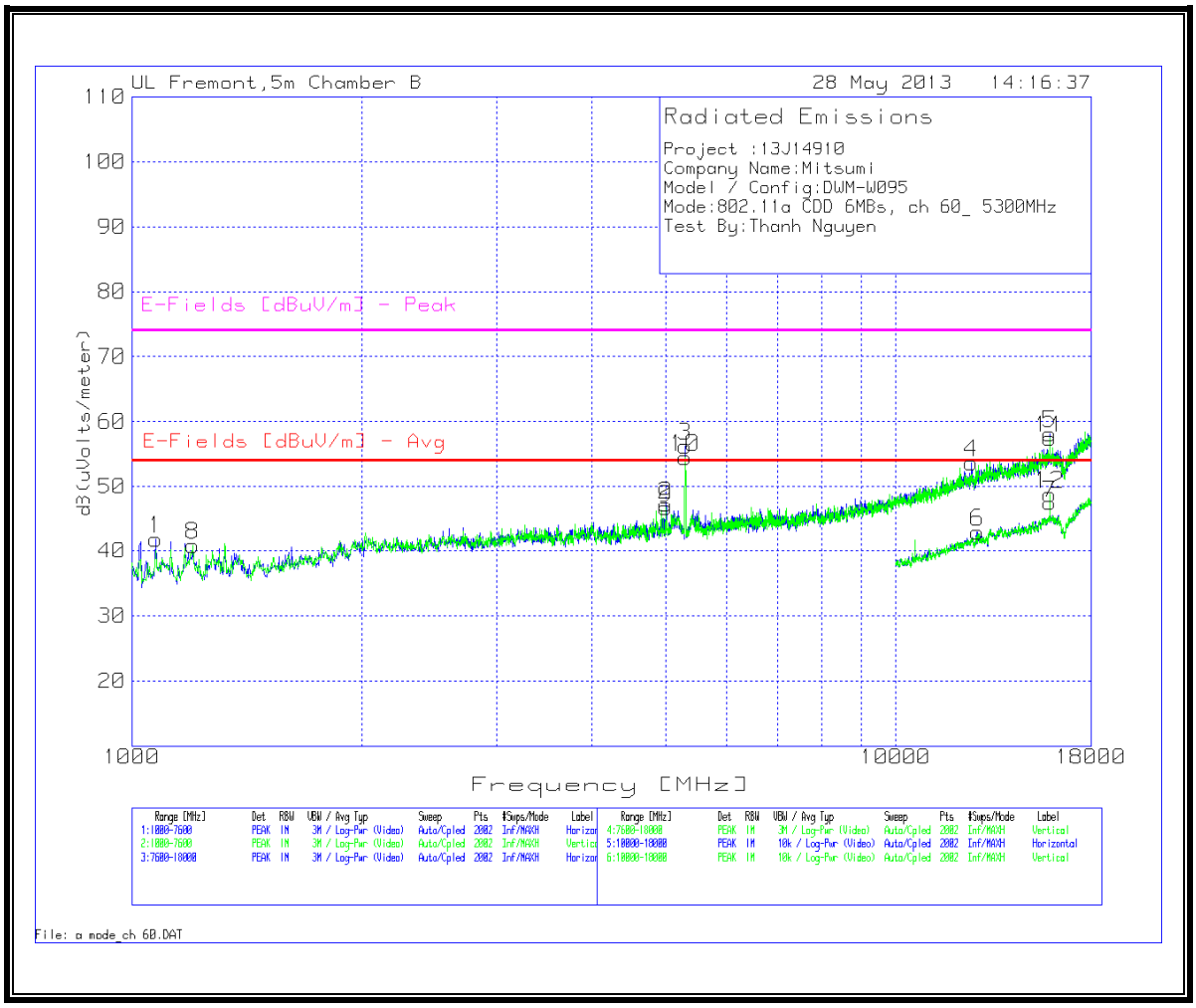
Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
9	15780.82	27.91	Av	41.3	-32.9	13.6	0.2	50.11	53.97	-3.86	-	-	127	Vert

* Fundamental

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

Mid Channel



MID CHANNEL 60 DATA

Project :13J14910
Company Name:Mitsumi
Model / Config:DWM-W095
Mode:802.11a CDD 6MBs, ch 60_ 5300MHz
Test By:Thanh Nguyen

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
1	1075.862	46.62	PK	27.8	-35.9	3.2	0	41.72	53.97	-12.25	74	-32.28	100	Horz
2	5000.9	39.59	PK	34.6	-34.9	7.2	0.7	47.19	53.97	-6.78	74	-26.81	100	Horz
*3	5297.751	47.96	PK	34.9	-34.9	7.4	0.9	56.26	-	-	-	-	200	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency	Meter Reading	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
8	1201.199	44.77	PK	28.4	-35.7	3.4	0	40.87	53.97	-13.1	74	-33.13	200	Vert
9	4997.601	39.11	PK	34.6	-34.9	7.2	0.6	46.61	53.97	-7.36	74	-27.39	200	Vert
*10	5301.049	46.19	PK	34.9	-34.9	7.4	0.9	54.49	-	-	-	-	200	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency	Meter Reading	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
4	12547.926	35.03	PK	39.2	-32.5	11.8	0.2	53.73	-	-	74	-20.27	200	Horz
5	15889.855	35.49	PK	41.5	-32.9	13.7	0.3	58.09	-	-	74	-15.91	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency	Meter Reading	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
11	15900.25	34.91	PK	41.5	-32.9	13.7	0.2	57.41	-	-	74	-16.59	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency	Meter Reading	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
6	12802.599	23.22	PK	39.2	-32.1	12	0.5	42.82	-	-	68.2	-25.38	100	Horz
7	15901.049	24.89	PK	41.5	-32.9	13.7	0.2	47.39	53.97	-6.58	74	-26.61	100	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency	Meter Reading	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
12	15897.051	26.27	PK	41.5	-32.9	13.7	0.2	48.77	53.97	-5.2	74	-25.23	200	Vert

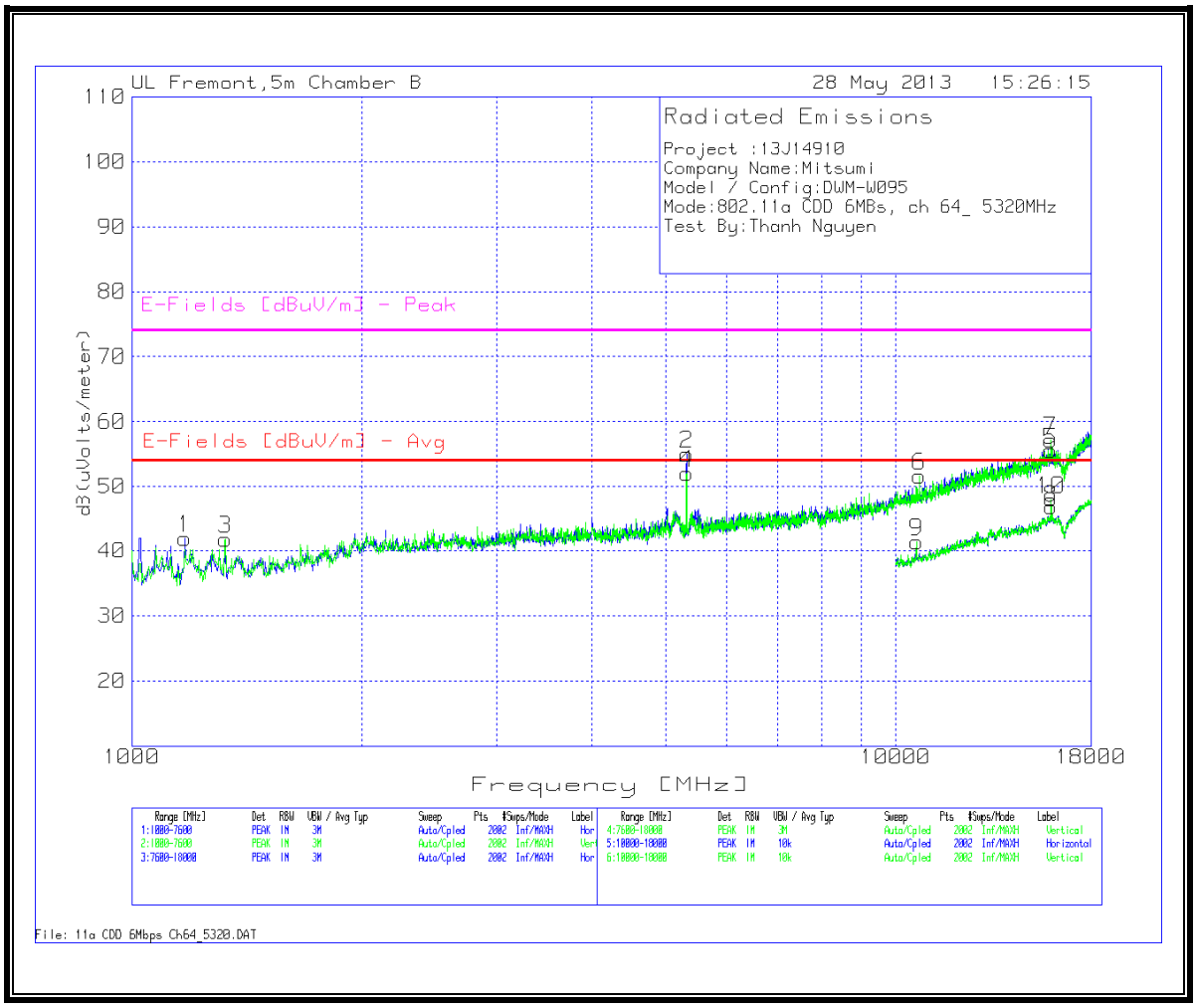
Vertical 10000 - 18000MHz

Marker No.	Test Frequency	Meter Reading	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
12	15894.59	23.59	Av	41.5	-32.9	13.7	0.2	46.09	53.97	-7.88	-	-	188	Vert

* Fundamental

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

High Channel



HIGH CHANNEL 64 DATA

Project :13J14910
Company Name:Mitsumi
Model / Config:DWM-W095
Mode:802.11a CDD 6MBs, ch 64_ 5320MHz
Test By:Thanh Nguyen

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
1	1174.813	46.05	PK	28.2	-35.7	3.3	0	41.85	53.97	-12.12	74	-32.15	200	Horz
*2	5324.138	46.61	PK	34.9	-34.9	7.5	0.9	55.01	-	-	-	-	100	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
3	1326.537	45.26	PK	28.5	-35.5	3.5	0	41.76	53.97	-12.21	74	-32.24	200	Vert
*4	5324.138	43.6	PK	34.9	-34.9	7.5	0.9	52	-	-	-	-	200	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
5	15962.619	32.61	PK	41.6	-32.9	13.7	0.5	55.51	-	-	74	-18.49	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
6	10728.836	36.19	PK	38.3	-34.2	10.9	0.5	51.69	-	-	74	-22.31	100	Vert
7	15957.421	34.46	PK	41.5	-32.9	13.7	0.4	57.16	-	-	74	-16.84	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
8	15965.017	23.81	PK	41.6	-32.9	13.7	0.5	46.71	53.97	-7.26	74	-27.29	100	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarity
9	10639.68	26.4	PK	38.3	-34.3	10.8	0.2	41.4	53.97	-12.57	74	-32.6	200	Vert
10	15965.017	25.09	PK	41.6	-32.9	13.7	0.5	47.99	53.97	-5.98	74	-26.01	200	Vert

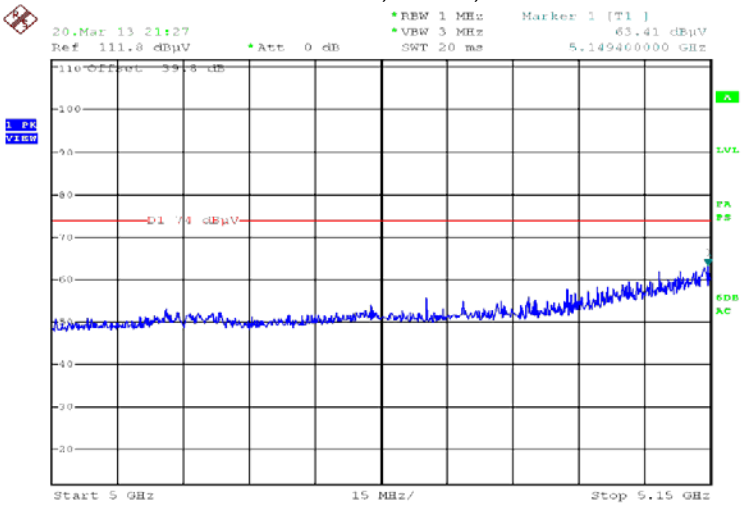
* Fundamental

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

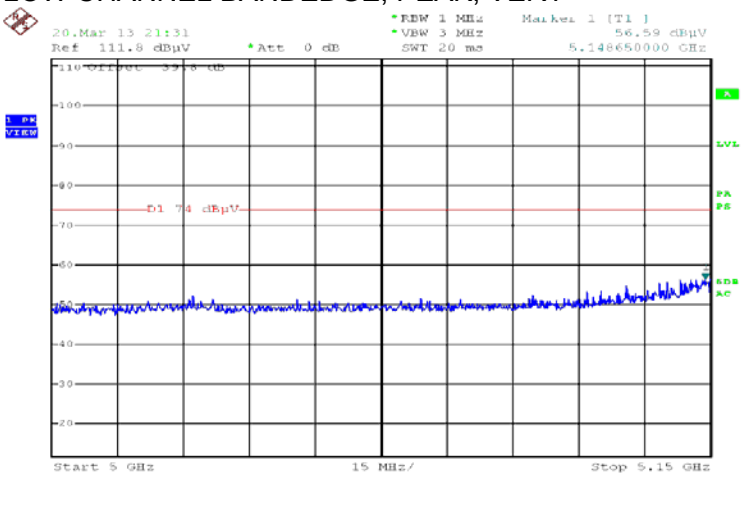
9.8. 802.11n HT20 CDD MCS0 2TX MODE IN THE 5.3 GHz BAND

AUTHORIZED BANDEDGE (LOW CHANNEL)

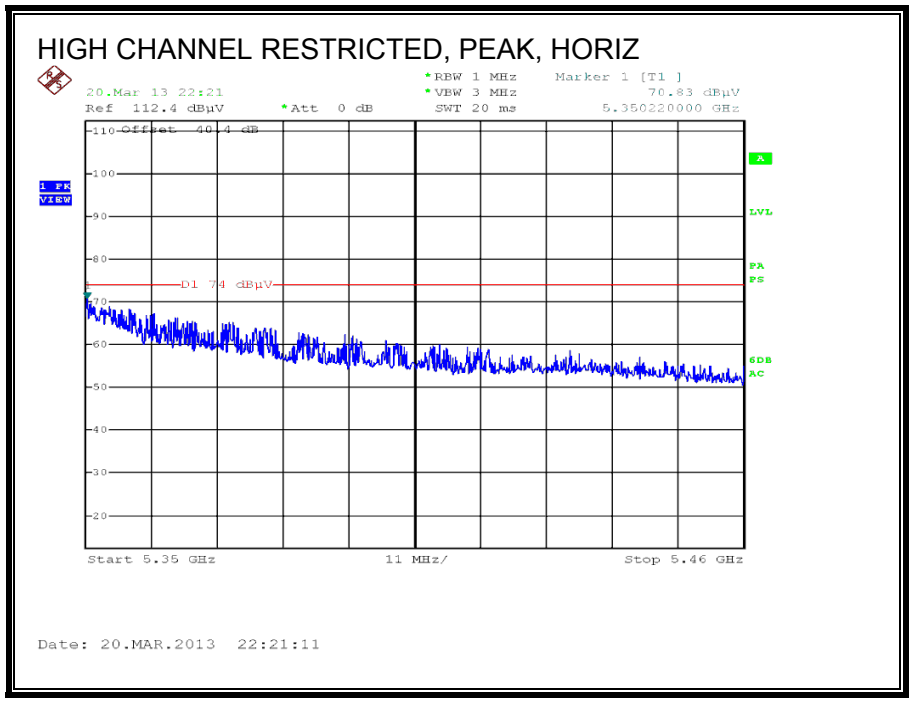
LOW CHANNEL BANDEDGE, PEAK, HORIZ

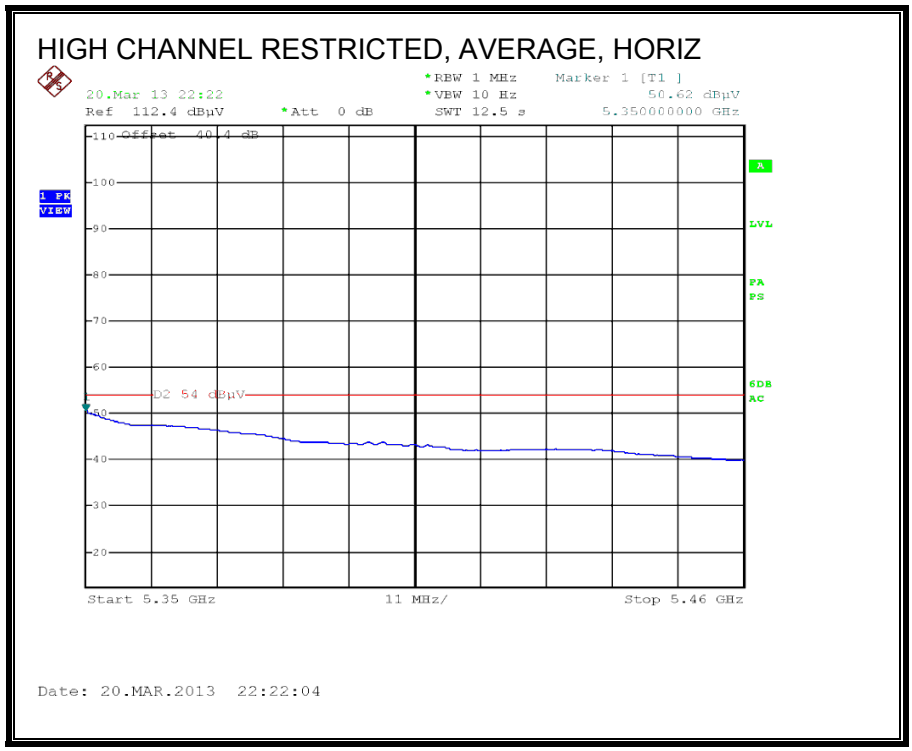


LOW CHANNEL BANDEDGE, PEAK, VERT

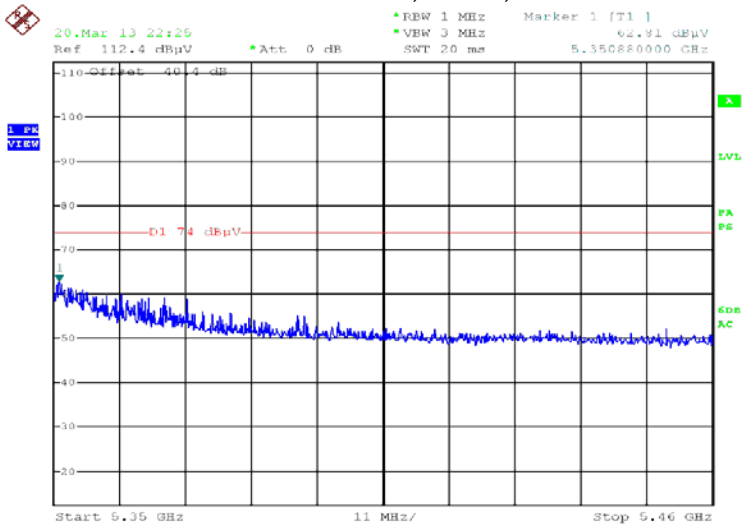


RESTRICTED BANDEDGE (HIGH CHANNEL

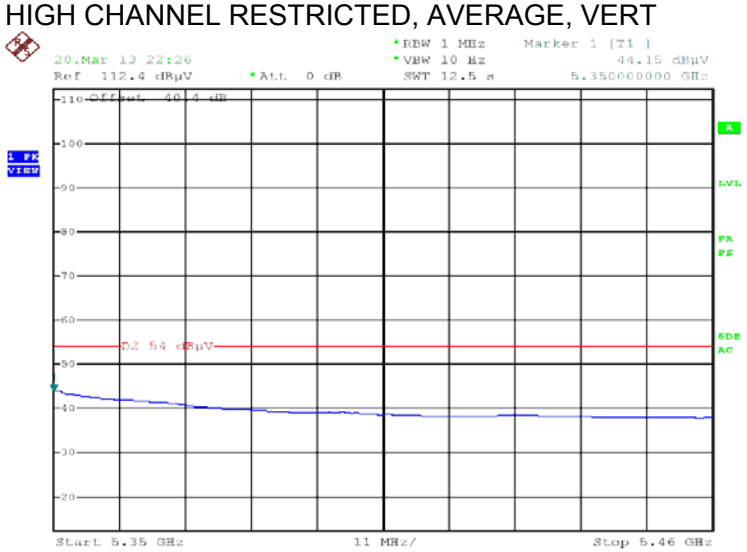




HIGH CHANNEL RESTRICTED, PEAK, VERT



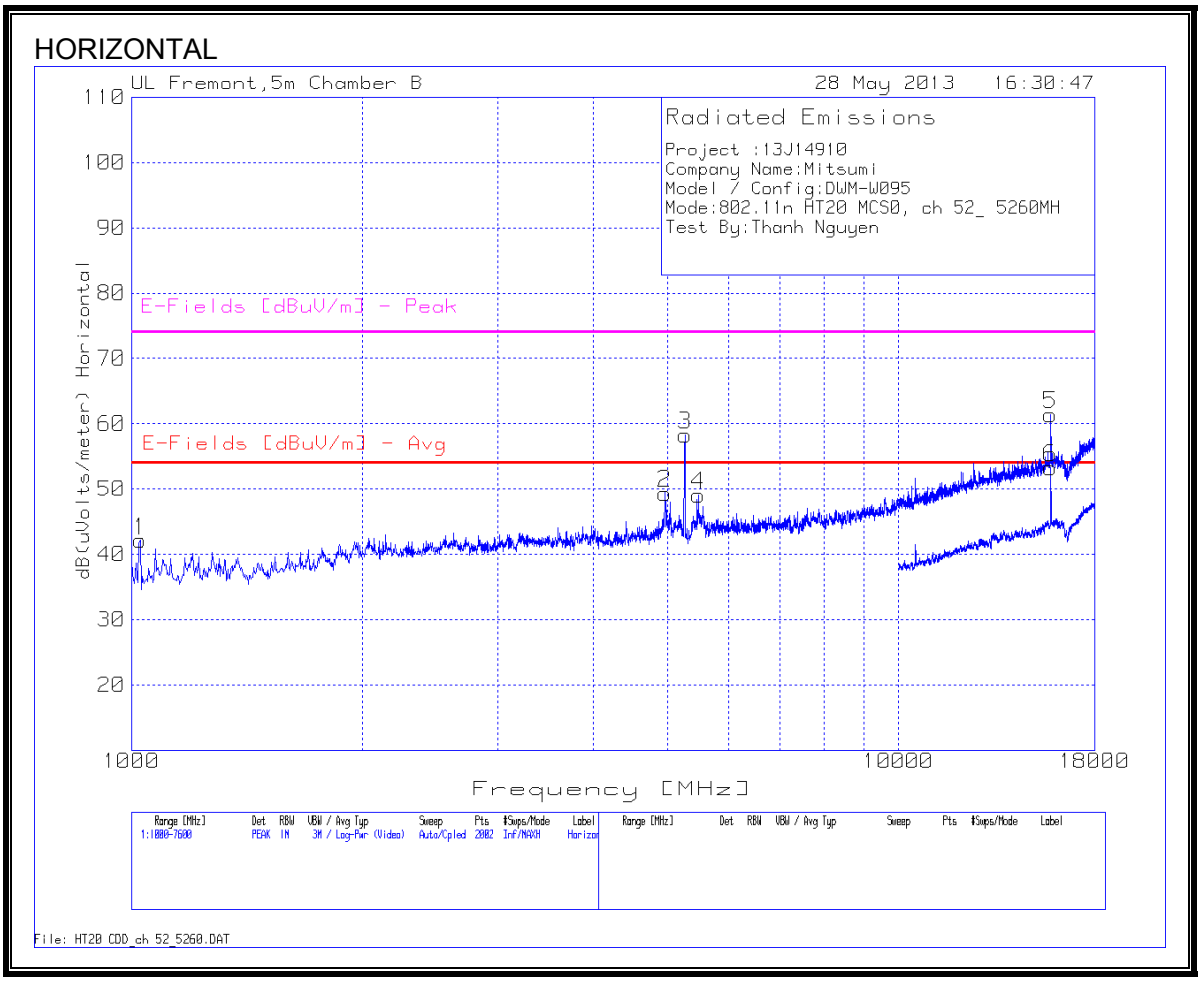
HIGH CHANNEL RESTRICTED, AVERAGE, VERT



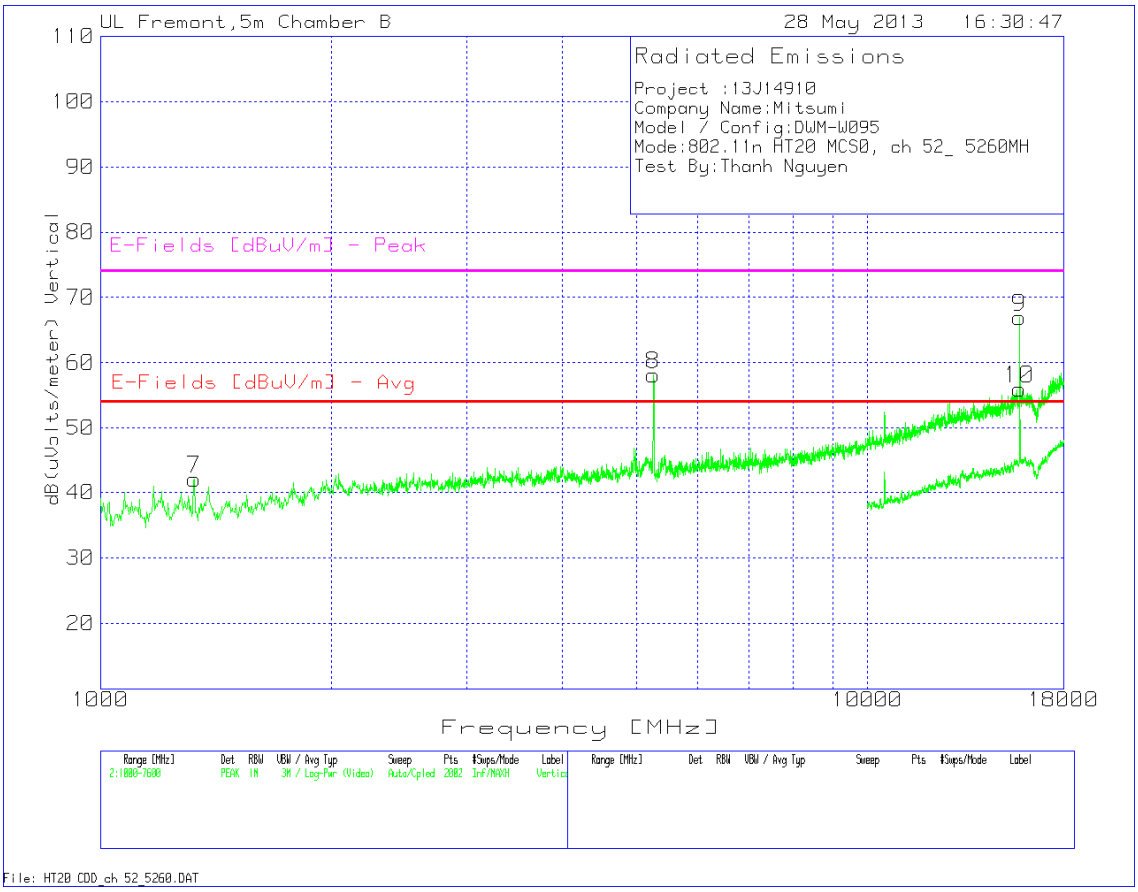
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL GRAPH

HORIZONTAL



VERTICAL



LOW CHANNEL 52 DATA

Project :13J14910
Company Name:Mitsumi
Model / Config:DWM-W095
Mode:802.11n HT20 MCS0, ch 52_ 5260MH
Test By:Thanh Nguyen

Horizontal 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
1	1026.387	47.41	PK	27.5	-36	3.2	0	42.11	53.97	-11.86	74	-31.89	158	Horz
2	4958.021	42.14	PK	34.6	-34.9	7.2	0.3	49.34	53.97	-4.63	74	-24.66	158	Horz
*3	5264.768	49.95	PK	34.9	-34.9	7.4	0.9	58.25	-	-	-	-	200	Horz
4	5479.16	40.53	PK	34.9	-34.9	7.6	0.9	49.03	-	-	68.2	-19.17	158	Horz

Vertical 1000 - 7600MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
7	1326.537	45.6	PK	28.5	-35.5	3.5	0	42.1	53.97	-11.87	74	-31.9	200	Vert
*8	5261.469	49.81	PK	34.9	-34.9	7.4	0.9	58.11	-	-	-	-	200	Vert

Horizontal 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
5	15775.512	39.23	PK	41.3	-32.9	13.6	0.2	61.43	-	-	74	-12.57	100	Horz

Vertical 7600 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
9	15780.71	44.77	PK	41.3	-32.9	13.6	0.2	66.97	-	-	74	-7.03	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
6	15775.512	31.13	PK	41.3	-32.9	13.6	0.2	53.33	53.97	-0.64	74	-20.67	100	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
10	15780.71	33.78	PK	41.3	-32.9	13.6	0.2	55.98	53.97	2.01	74	-18.02	200	Vert

Horizontal 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
6	15780.512	26.35	Av	41.3	-32.9	13.6	0.2	48.55	53.97	-5.42	-	-	107	Horz

Vertical 10000 - 18000MHz

Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
10	15778.11	29.08	Av	41.3	-32.9	13.6	0.2	51.28	53.97	-2.69	-	-	132	Vert

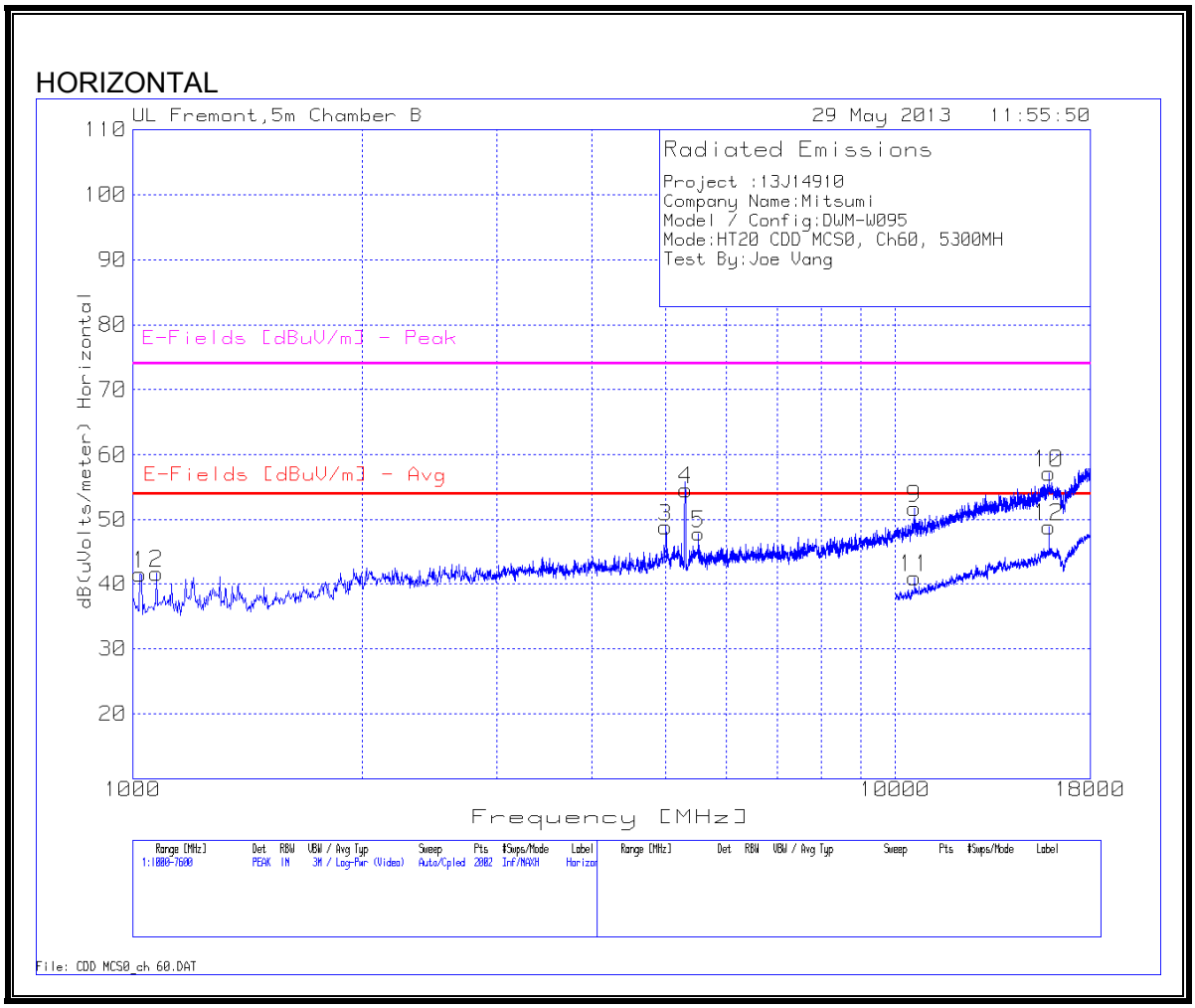
*: Fundamental

PK - Peak detector
QP - Quasi-Peak detector
Av - Average detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL GRAPH

HORIZONTAL



VERTICAL