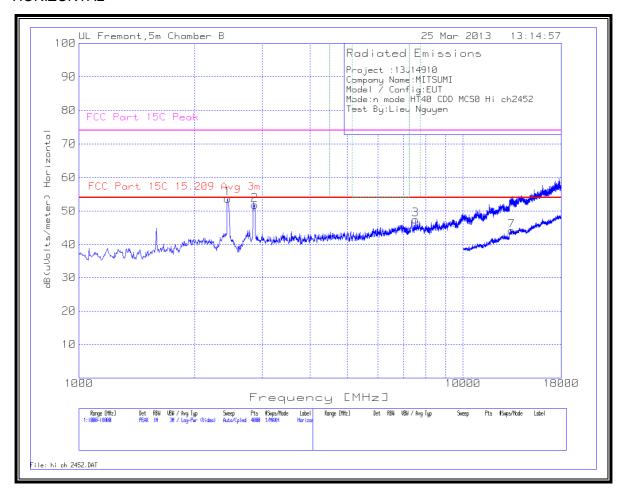
MID CHANNEL DATA

D!	214 4040													
Project :1														
	Name:MITS	OMI												
	Config:EUT	DD MCCO	naid ab Dan	17										
	node HT40 C	DD MCS0	viia cn_243	37										
rest By:Li	eu Nguyen													
Horizonta	ıl 1000 - 1800	00MHz												
Marker	Test	Meter	Detector	T345 Ant	Preamp	Cable	T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarit
No.	Frequency	Reading		Factor	Gain	Factor		/meter)	15C		15C Peak		[cm]	
				[dB/m]					15.209					
									Avg 3m					
1	2431.177	50.29	PK	32.4	-35	4.7	0.9	53.29	-	-	68.2	-14.91	200	Horz
2	2834.624	49	PK	32.9	-35.2	5.1	0.9	52.7	54	-1.3	74	-21.3	200	Horz
3	1594.554	46.91	PK	28.9	-35.2	3.8	0.6	45.01	-	-	68.2	-23.19	200	Horz
4	7306.52	37.33	PK	35.8	-35	8.9	0.3	47.33	54	-6.67	74	-26.67	100	Horz
Vertical 1	.000 - 18000N	AU-												
Marker	Test	Meter	Detector	T345 Ant	Preamp	Cable	T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarit
No.	Frequency		Detector	Factor	Gain	Factor	1200 5111	/meter)	15C	· · · · · · · · · · · · · · · · · · ·	15C Peak	g	[cm]	loidine
	quee,	aag		[dB/m]				,	15.209		2501 0011		[[
				[00/]					Avg 3m					
*5	2439.67	53.19	PK	32.4	-35	4.7	0.9	56.19	-	-	-	-	200	Vert
6	1594.554	45.97	PK	28.9	-35.2	3.8	0.6	44.07	-	-	68.2	-24.13	200	Vert
7	2834.624	41.96	PK	32.9	-35.2	5.1	0.9	45.66	54	-8.34	74	-28.34	200	Vert
8	7298.026	43.65	PK	35.8	-35	8.9	0.2	53.55	54	-0.45	74	-20.45	200	Vert
9	2656.258	37.23	PK	32.7	-35.1	4.9	0.9	40.63	54	-13.37	74	-33.37	100	Vert
Horizonta Marker	1 10000 - 180 Test	000MHz Meter	Detector	T345 Ant	D	Cable	T4 CO DDC	dDf-24-lk-	FCC Dt		ECC Doub	in	i-ba	Delevia
	1		Detector	l	Preamp		T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarit
No.	Frequency	Reading		Factor	Gain	Factor		/meter)	15C		15C Peak		[cm]	
				[dB/m]					15.209					
10	12534.733	23.2	PK	39.2	-32.5	11.8	0.4	42.1	Avg 3m 54	-11.9	74	-31.9	200	Horz
10	12554.755	23.2	FK	33.2	-32.3	11.0	0.4	42.1	34	-11.5	,	-31.5	200	11012
Vertical 1	0000 - 18000	MHz												
Marker	Test	Meter	Detector	T345 Ant	Preamp	Cable	T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarit
No.	Frequency	Reading		Factor	Gain	Factor		/meter)	15C		15C Peak		[cm]	
				[dB/m]					15.209					
									Avg 3m					
11	11763.118	23.46	PK	39	-33.5	11.4	0.5	40.86	54	-13.14	74	-33.14	100	Vert
•	1-44													
Average of Marker	Test	Meter	Detector	T345 Ant	Preamp	Cable	T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarit
No.	Frequency		Detector	Factor	Gain	Factor	1100 BKF	/meter)	15C	Iviaigiii	15C Peak	Iviaigiii	[cm]	Polatic
NO.	riequency	Reading		[dB/m]	Gaiii	ractor		/meter)	15.209		15C Peak		[Cilij	
				[ub/iii]					Avg 3m					
2	2832,699	39.82	Av	32.9	-35.2	5.1	0.9	43.52	54	-10.48	74	-30.48	194	Horz
	2002.000													
8	7298	33.47	Av	35.8	-35	8.9	0.2	43.37	54	-10.63	74	-30.63	153	Vert

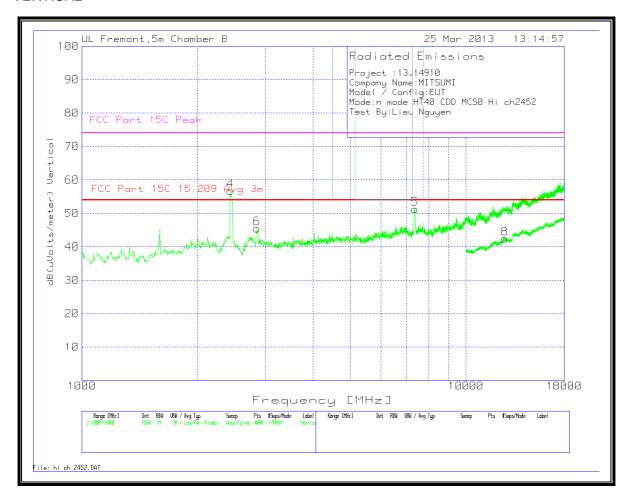
* Fundamental

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

HIGH CHANNEL HORIZONTAL



VERTICAL



HIGH CHANNEL DATA

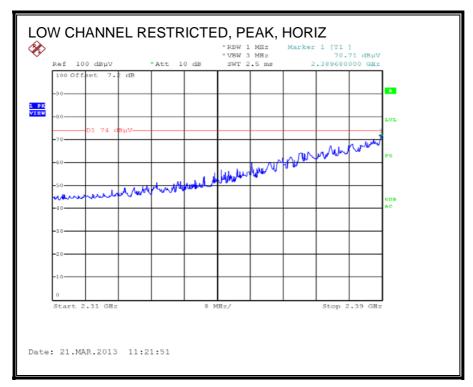
Project :1														
	Name:MITS	UMI												
	Config:EUT mode HT40 CI	DO MACCO I	u: »baara											
		DD IVICSO F	11 (112452											
est By.Li	ieu Nguyen													
Jerizont	al 1000 - 1800	MANUT.												
Marker		Meter	Detector	T345 Ant	Preamp	Cable	T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarity
No.	Frequency		Detector	Factor	Gain	Factor	1100 BK	/meter)	15C	Iviaigiii	15C Peak	Wargin	[cm]	Polaric
NO.	(MHz)	(dBuV)	'	[dB/m]	Gain	Factor	1	ineteri	15.209		15C Feak		[Giii]	
	(IVITIZ)	(ubuv)		[ub/mj	1 1	ĺ.	'							
1	2443.917	50.64	PK	32.4	-35	4.7	0.9	53.64	Avg 3m	-	68.2	-14.56	153	Horz
2	2872.845	48.08	PK	32.9	-35.2	5.1	0.9	51.78	54	-2.22	74	-22.22	153	Horz
3	7523.108	37.15	PK	36	-35.2	9	0.3	47.45	54	-6.55	74	-26.55	153	Horz
	7525.100	37.23	FR	30	-35		0.0	47.40		-0.55	, ·-	-20,00	100	Hote
/ertical 1	1000 - 18000N	ЛН7												
Marker		Meter	Detector	T345 Ant	Preamp	Cable	T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarit
No.	Frequency			Factor	Gain	Factor	1200	/meter)	15C		15C Peak		[cm]	
	(MHz)	(dBuV)	'	[dB/m]		1	'	,	15.209				[
	((400.1)	'	[00,]	1 !	ĺ	1		Avg 3m					
4	2435.423	53.73	PK	32.4	-35	4.7	0.9	56.73	-	-	68.2	-11.47	200	Vert
5	7357.482	41.18	PK	35.9	-35	8.9	0.3	51.28	54	-2.72	74	-22.72	200	Vert
6	2855.858	41.83	PK	32.9	-35.2	5.1	0.8	45.43	54	-8.57	74	-28.57	200	Vert
														• =-
lorizont	al 10000 - 180	00MHz												
Marker	Test	Meter	Detector	T345 Ant	Preamp	Cable	T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarit
No.	Frequency			Factor	Gain	Factor		/meter)	15C		15C Peak		[cm]	
	(MHz)	(dBuV)	'	[dB/m]			'		15.209					
	' '	1	'		1 !	ĺ	'		Avg 3m					
7	13394.303	24.19	PK	39.1	-31.9	12.3	0.4	44.09	54	-9.91	74	-29.91	200	Horz
/ertical 1	10000 - 18000	MHz												
Marker		Meter	Detector	T345 Ant	Preamp	Cable	T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarit
No.	Frequency	Reading		Factor	Gain	Factor	'	/meter)	15C	_	15C Peak	_	[cm]	
	(MHz)	(dBuV)	'	[dB/m]	1 !	ĺ	'		15.209					
		l ''	l'	1!	[]	l	l!		Avg 3m		ll			
8	12614.693	23.25	PK	39.2	-32.4	11.9	0.5	42.45	54	-11.55	74	-31.55	200	Vert
Average o	detector													
Marker	Test	Meter	Detector	T345 Ant	Preamp	Cable	T160 BRF	dB(uVolts	FCC Part	Margin	FCC Part	Margin	Height	Polarit
	Frequency	Reading	'	Factor	Gain	Factor	'	/meter)	15C		15C Peak		[cm]	
No.	(MHz)	(dBuV)	'	[dB/m]	1 !	ĺ	'		15.209					
No.		('	1	<u> </u>		<u> </u>	<u> </u>		Avg 3m					
No.										11.00	74	-31.98	217	Here
No. 2	2872.77	38.32	Av	32.9	-35.2	5.1	0.9	42.02	54	-11.98	/4	-31.98	217	Horz

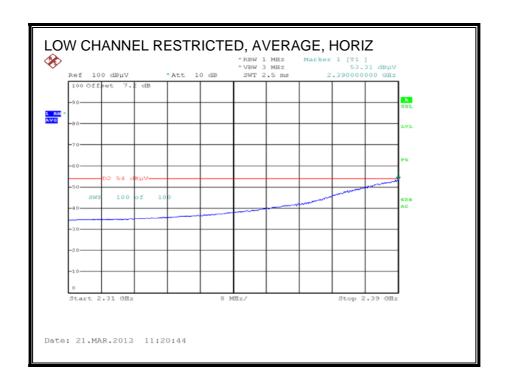
PK - Peak detector

QP - Quasi-Peak detector

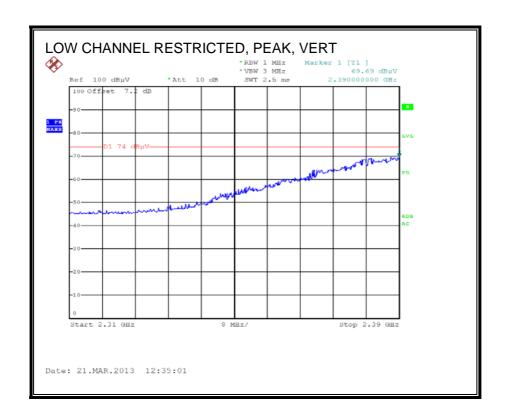
9.2.6 802.11n HT40 SDM MCS8 2TX MODE, 2.4 GHz BAND

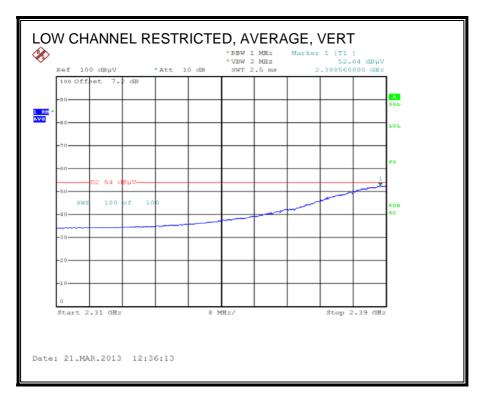
RESTRICTED BANDEDGE (LOW CHANNEL)



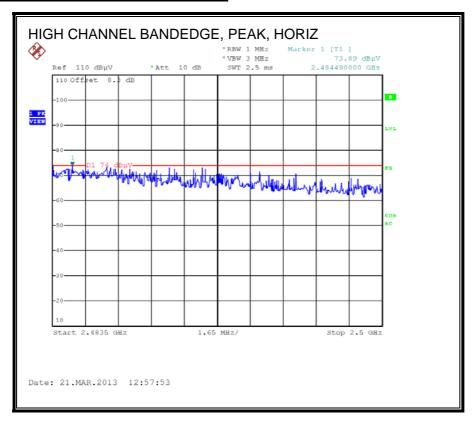


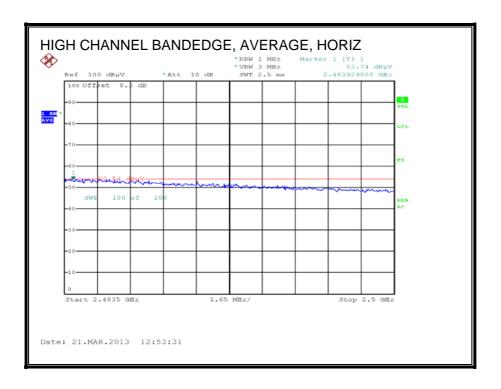
Page 351 of 412



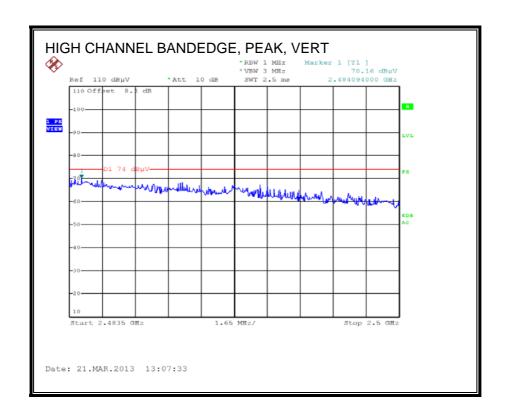


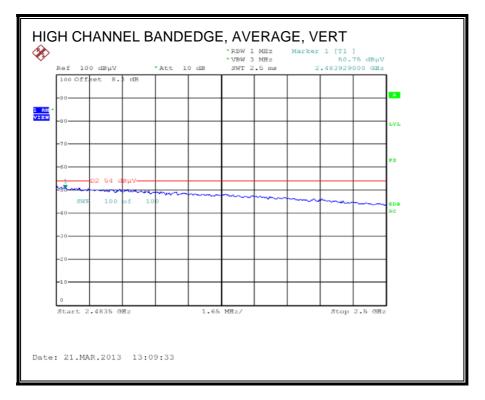
AUTHORIZED BANDEDGE (HIGH CHANNEL)





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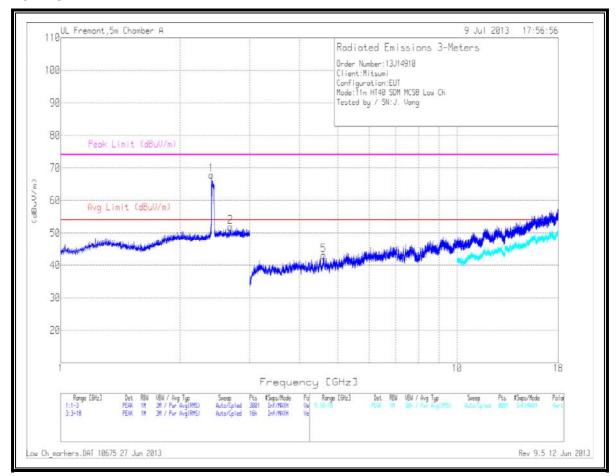




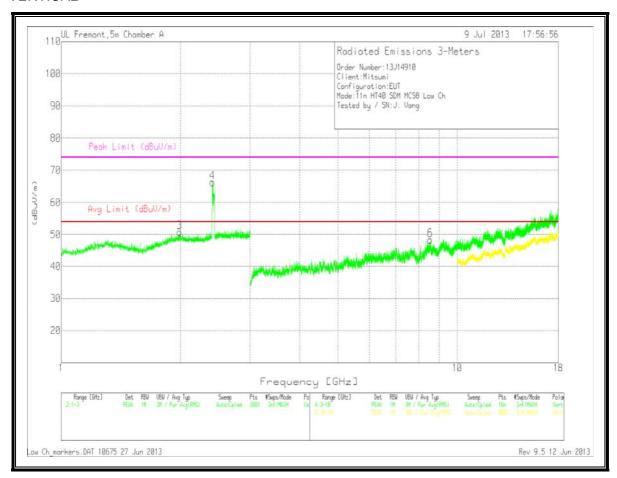
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL

HORIZONTAL



VERTICAL



DATE: JULY 10, 2013 IC: 4250A-DWMW095A

LOW CHANNEL DATA

Project:13J14910

Company Name:MITSUMI

Model / Config:EUT

Mode: 11n HT40 SDM MCS8 Low Ch

Test By: J. Vang

Frequenc (GHz)	Meter Reading	Det	AF T136 (dB/m)	/Fltr/Pad	-	(dBuV/m)		Peak Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
	(dBuV)			(dB)	(dBuV/m)			(dBuV/m)				
*2.399	58.56	PK	32.1	-22.8	67.86	-	-	-	-	0-360	100	Н
2.679	41.7	PK	32.7	-22.5	51.9	53.97	-2.07	74	-22.1	0-360	200	Н
1.99	42.5	PK	31.9	-23.6	50.8	53.97	-3.17	74	-23.2	0-360	200	V
*2.408	56.95	PK	32.1	-22.8	66.25		-	-		0-360	200	V
4.604	36.65	PK	33.9	-27.5	43.05	53.97	-10.92	74	-30.95	0-360	100	Н
8.546	38.15	PK	35.7	-25.5	48.35	53.97	-5.62	74	-25.65	0-360	100	V

Average detector

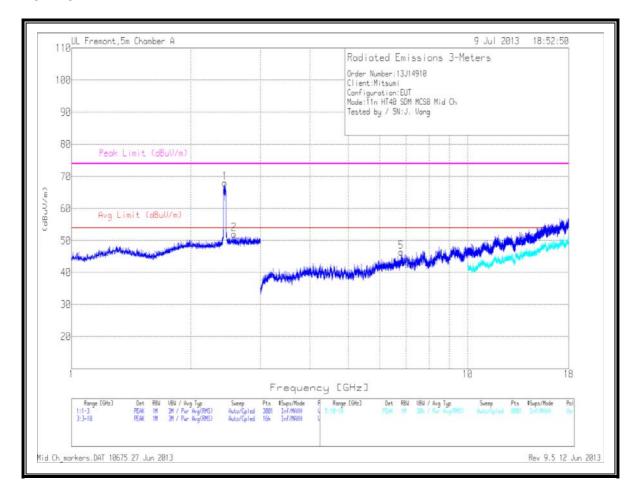
711-11-6-1												
Frequenc	Meter	Det	AF T136	Amp/Cbl	Corrected	Avg Limit	Margin	Peak	Margin	Azimuth	Height	Polarity
(GHz)	Reading		(dB/m)	/Fltr/Pad	Reading	(dBuV/m)	(dB)	Limit	(dB)	(Degs)	(cm)	
	(dBuV)			(dB)	(dBuV/m)			(dBuV/m)				
2.679	26.6	Av	32.7	-22.5	36.8	53.97	-17.17	-	-	261	337	Н
1.989	27.38	Av	31.9	-23.6	35.68	53.97	-18.29	-	-	184	103	V
8.556	22.29	Av	35.7	-25.4	32.59	53.97	-21.38	-	-	346	154	V

^{*} Fundamental

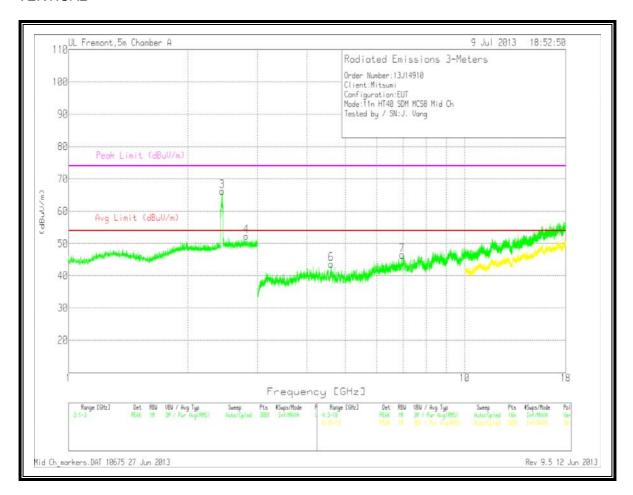
PK - Peak detector

QP - Quasi-Peak detector

MID CHANNEL HORIZONTAL



VERTICAL



MID CHANNEL DATA

Project:13J14910

Company Name: MITSUMI Model / Config:EUT

Mode: 11n HT40 SDM MCS8 Mid Ch

Test By: J. Vang

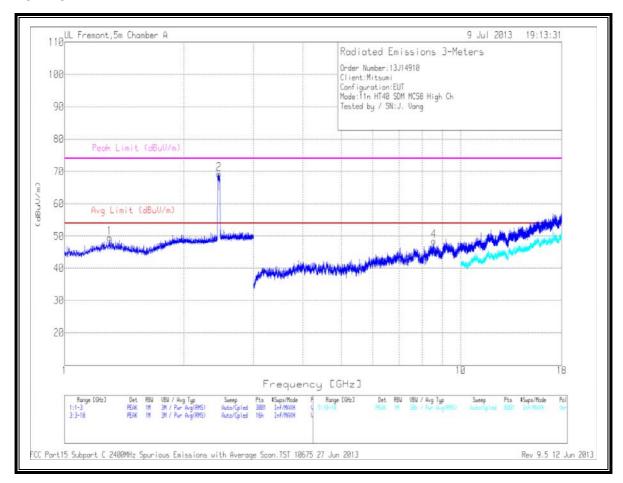
Frequenc (GHz)	Meter Reading	Det	AF T136 (dB/m)	Amp/Cbl /Fltr/Pad	Corrected Reading	Avg Limit (dBuV/m)	_	Peak Limit	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1-11-7	(dBuV)		1	(dB)	(dBuV/m)		1	(dBuV/m)		16-7	1	
*2.439	58.49	PK	32.3	-22.8	67.99	(5)		(*2)	-	0-360	200	Н
2.573	42.08	PK	32.7	-22.7	52.08	53.97	-1.89	74	-21.92	0-360	200	Н
*2.442	56.72	PK	32.3	-22.8	66.22	-	-	-	-	0-360	100	V
2.809	41.74	PK	32.6	-22	52.34	-	-	68.2	-15.86	0-360	200	V
6.794	38	PK	35.4	-27	46.4	53.97	-7.57	74	-27.6	0-360	100	Н
4.6	37.17	PK	33.9	-27.5	43.57	53.97	-10.4	74	-30.43	0-360	200	V
6.952	37.15	PK	35.4	-26.1	46.45	53.97	-7.52	74	-27.55	0-360	200	V

^{*} Fundamental

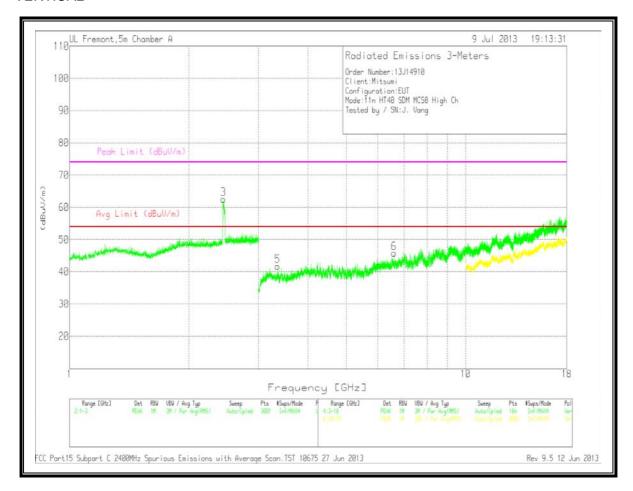
PK - Peak detector

QP - Quasi-Peak detector

HIGH CHANNEL HORIZONTAL



VERTICAL



HIGH CHANNEL DATA

Project:13J14910

Company Name:MITSUMI

Model / Config:EUT

Mode: 11n HT40 SDM MCS8 High Ch

Test By: J. Vang

Frequenc	Meter	Det	AF T136	Amp/Cbl	Corrected	Avg Limit	Margin	Peak	Margin	Azimuth	Height	Polarity
(GHz)	Reading		(dB/m)	/Fltr/Pad	Reading	(dBuV/m)	(dB)	Limit	(dB)	(Degs)	(cm)	
Nestana	(dBuV)			(dB)	(dBuV/m)		13070	(dBuV/m)	4720140911			
1.3	44.34	PK	30.3	-25.1	49.54	53.97	-4.43	74	-24.46	0-360	200	Н
*2.455	59.65	PK	32.4	-22.8	69.25	-		-		0-360	200	Н
*2.447	53.03	PK	32.3	-22.8	62.53	-		-	41	0-360	200	٧
8.557	38.2	PK	35.7	-25.4	48.5	53.97	-5.47	74	-25.5	0-360	100	Н
3.353	38.77	PK	33	-30.1	41.67	53.97	-12.3	74	-32.33	0-360	200	٧
6.593	37.14	PK	35.5	-26.9	45.74	53.97	-8.23	74	-28.26	0-360	100	V
Average o	letector											
Frequenc	Meter	Det	AF T136	Amp/Cbl	Corrected	Avg Limit	Margin	Peak	Margin	Azimuth	Height	Polarity
(GHz)	Reading		(dB/m)	/Fltr/Pad	Reading	(dBuV/m)	(dB)	Limit	(dB)	(Degs)	(cm)	
	(dBuV)			(dB)	(dBuV/m)			(dBuV/m)				
1.298	28.85	Av	30.3	-25.1	34.05	53.97	-19.92	-		123	237	Н
8.556	22.33	Av	35.7	-25.4	32.63	53.97	-21.34	-	21	301	263	Н

^{*} Fundamental

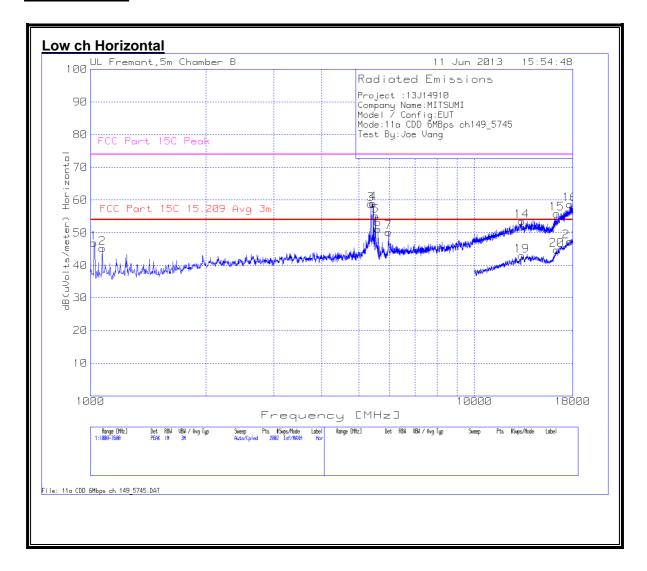
PK - Peak detector

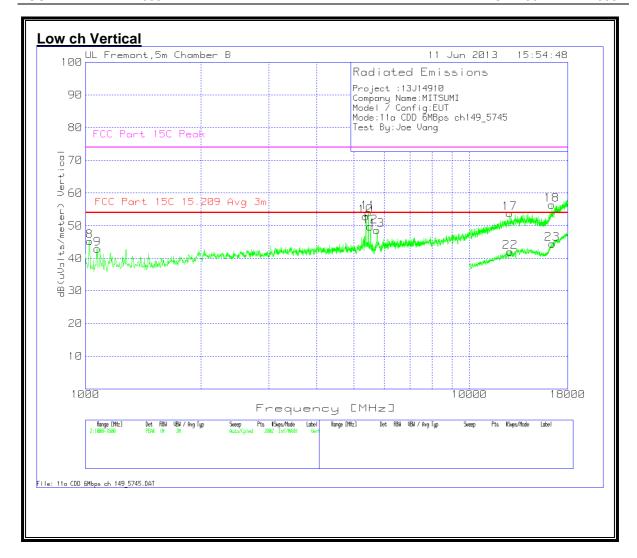
QP - Quasi-Peak detector

9.2.3 802.11a CDD 2TX MODE, 5.8 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL

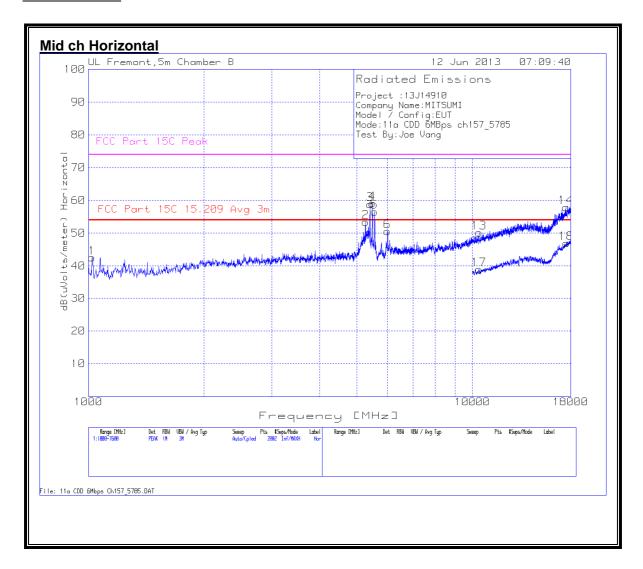


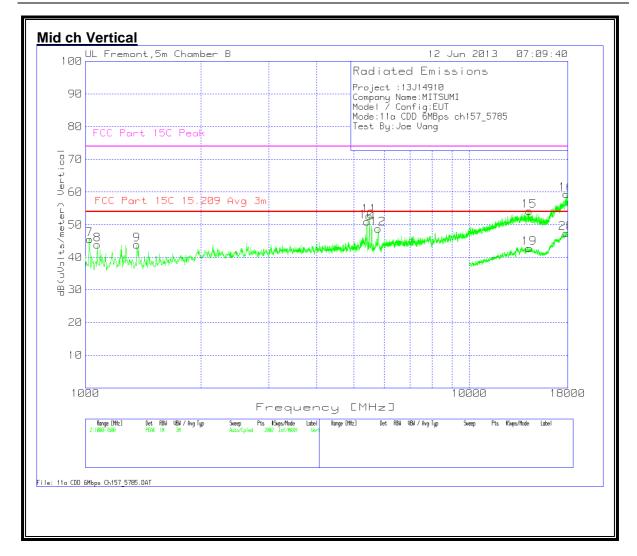


Project :13	ch data BJ14910 Name:MITS													
Model / C	onfig:EUT													
Mode:11a Fest By:Jo	CDD 6MBps e Vang	ch149_5	745											
Horizonta	l 1000 - 7600	MHz												
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T163 1-	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarit
No.	Frequency	Reading		Factor	Preamp	Factor	20GHz	/meter)	[dBuV/m]	(dB)	[dBuV/m]	(dB)	[cm]	
	(MHz)	(dBuV)		[dB/m]	Gain [dB]	[dB]	5730- 5840MHz		- Avg		- Peak			
							Band							
2	1023.088	52.08 50.16	PK PK	27.5 27.8	-36 -35.9	3.2	0.1	46.88 45.36	53.97 53.97	-7.09 -8.61	74 74	-27.12 -28.64	100	Horz
3	5367.016	51.24	PK	34.9	-35.9	3.2 7.5	0.1	58.84	53.97	4.87	74	-15.16	100	Horz
4	5446.177	51.38	PK	34.9	-34.9	7.5	0.1	58.98	53.97	5.01	74	-15.02	100	Horz
5	5525.337	47.48	PK	34.9	-34.9	7.6	0.1	55.18	-	-	68.2	-13.02	100	Horz
6	5601.199	43.22	PK	35	-34.9	7.7	0.1	51.12	-	-	68.2	-17.08	100	Horz
7	5970.615	41.29	PK	35.8	-34.9	7.9	0.1	50.19	-	-	68.2	-18.01	100	Horz
tertical 10	000 - 7600MI	4.												
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T163 1-	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarit
No.	Frequency	Reading	Detector	Factor	Preamp	Factor	20GHz	/meter)	[dBuV/m]	(dB)	[dBuV/m]	(dB)	[cm]	l claire
	(MHz)	(dBuV)		[dB/m]	Gain [dB]	[dB]	5730- 5840MHz Band		- Avg		- Peak	. ,		
8	1026.387	50.47	PK	27.5	-36	3.2	0.1	45.27	53.97	-8.7	74	-28.73	200	Vert
9	1075.862	47.83	PK	27.8	-35.9	3.2	0.1	43.03	53.97	-10.94	74	-30.97	100	Vert
10	5370.315	45.26	PK	34.9	-34.9	7.5	0.1	52.86	53.97	-1.11	74	-21.14	100	Vert
11	5449.475	46.55	PK	34.9	-34.9	7.5	0.1	54.15	53.97	0.18	74	-19.85	100	Vert
12	5518.741	42.07	PK	34.9	-34.9	7.6	0.1	49.77	-	-	68.2	-18.43	100	Vert
*13	5743.028	40.53	PK	35.2	-34.9	7.8	0.1	48.73	-	-	-	-	100	Vert
lorizonta	l 7600 - 1800	0MHz												
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 BRF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarit
No.	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	/meter)	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	
14	13280.76	33.39	PK	39.1	-31.9	12.3	0.7	53.59	-	-	74	-20.41	200	Horz
15	16388.806	32.52	PK	41.4	-32.5	13.9	0.6	55.92	-	-	68.2	-18.08	100	Horz
16	17750.525	33.06	PK	42.2	-31.4	14.7	0.2	58.76	-	-	74	-15.24	200	Horz
Marker	500 - 18000N		Detector	T345 Ant	T145	Cable	T102 DDE	dD/wVolte	E Fields	Margin	E Fields	Margin	Hoight	Dolarit
No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	T192 BRF [dB]	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarit
17	12735.032	34.62	PK	39.2	-32.2	12	0.2	53.82	-	-	68.2	-20.18	100	Vert
18	16388.806	32.96	PK	41.4	-32.5	13.9	0.6	56.36	-	-	68.2	-17.64	100	Vert
	l 10000 - 180	000 411-												
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 BRF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarit
No.	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	/meter)	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	
19	13274.363	23.05	PK	39.1	-31.9	12.2	0.6	43.05	53.97	-10.92	74	-30.95	100	Horz
20	16392.804	21.27	PK	41.4	-32.5	14	0.6	44.77	-	-	68.2	-29.23	100	Horz
21	17736.132	21.58	PK	42.2	-31.4	14.7	0.3	47.38	53.97	-6.59	74	-26.62	100	Horz
Marker	0000 - 18000 Test	Meter	Detector	T345 Ant	T145	Cable	T192 BRF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarit
No.	Frequency (MHz)	Reading (dBuV)	Detector	Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	/meter)	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	Polari
22	12750.625	22.71	PK	39.2	-32.2	12	0.3	42.01	-	-	68.2	-31.99	100	Vert
23	16396.802	20.97	PK	41.4	-32.5	14	0.6	44.47	-	-	68.2	-29.53	200	Vert
lorizonta Marker	Tost	MHz Meter	Detector	T345 Ant	T145	Cable	T163 1-	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarit
No.	Test Frequency (MHz)	Reading (dBuV)	Detector	Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	20GHz 5730- 5840MHz	/meter)	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	Polarit
2	5367.2532	32.64	Δν.	34.9	-34.9	7.5	Band	40.24	53.97	-13.73		-	141	Horz
3 4	5447.9493	33.55	Av	34.9	-34.9	7.5	0.1	41.15	53.97	-13.73		-	141	Horz Horz
	000 - 7600MI													
Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T163 1- 20GHz 5730- 5840MHz	dB(uVolts /meter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarit
							Band							
10	5368.7714	29.71	Av	34.9	-34.9	7.5	0.1	37.31	53.97	-16.66	-	-	273	Vert
11	5449.8266	28.94	Av	34.9	-34.9	7.5	0.1	36.54	53.97	-17.43	-	-	264	Vert
Fundme		tor			<u> </u>	<u> </u>	1						<u> </u>	

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MID CHANNEL



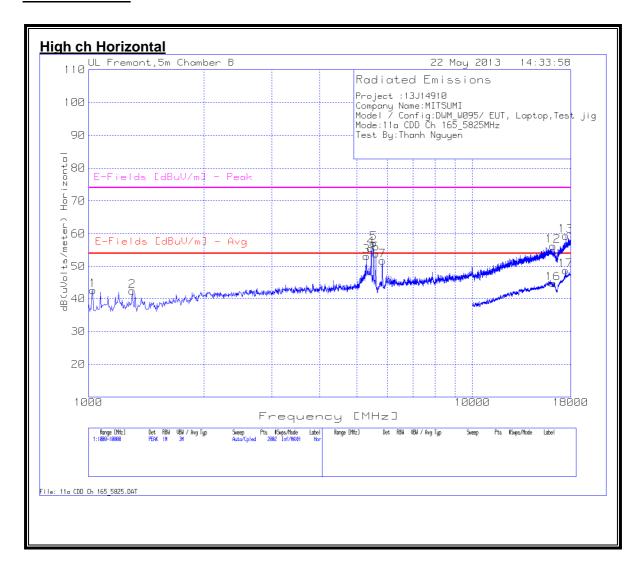


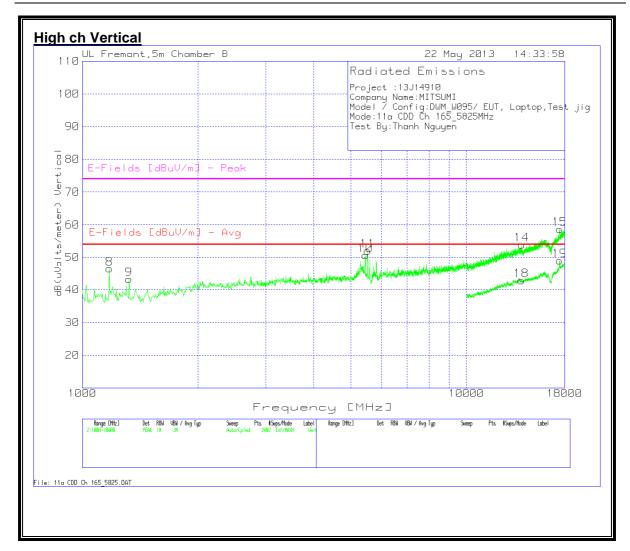
Mid ch data Project :13J14910 Company Name:MITSUMI Model / Config:EUT Mode:11a CDD 6MBps ch157_5785 MHz Test By:Joe Vang Horizontal 1000 - 7600MHz Markei No. T345 An T145 Cable dB(uVolt E-Fields E-Fields Polarity Frequency Facto 20GHz [dBuV/m] (dB) [dBuV/m (dB) [cm] (MHz) (dBuV) [dB/m] Gain [dB] [dB] 5730-- Avg Band 47.73 45.88 1023.088 0.1 42.53 53.97 -11.44 -31.47 133 133 Horz Horz 53.38 -14.82 5413.193 51.29 PK 34.9 -34.9 7.5 0.1 58.89 53.97 4.92 -15.11 133 Horz PK PK 5482,459 51.46 34.9 -34.9 0.1 59.16 68.2 -9.04 133 5555.022 -34.9 -11.7 35 7.6 0.1 68.2 133 Horz 6010.195 41.44 35.9 -34.9 0.1 50.54 68.2 -17.66 133 Horz Vertical 1000 - 7600MHz Meter Detecto T345 An T145 Cable T163 1 dB(uVolt E-Fields E-Fields Polarity [dBuV/m] (dB) dBuV/m (dB) [cm] (MHz) (dBuV) [dB/m] Gain [dB] [dB] 5730-- Avg - Peal Band 1026.387 50.82 27.5 -36 3.2 0.1 45.62 53.97 -8.35 -28.38 200 Vert 48.76 47.41 -10.01 74 74 PK -35.4 44.01 100 1362.819 28.4 3.5 0.1 53.97 -9.96 -29.99 Vert 10 5409.895 43.39 PK 34.9 -34.9 7.5 0.1 50.99 53.97 -2.98 74 -23.01 100 Vert 34.9 0.1 68.2 -15.44 7.8 5785.907 40.51 35.3 -34.9 0.1 48.81 100 Vert Horizontal 7600 - 18000MHz Mete Detecto T345 Ant T145 Cable T193 HP dB(uVolt E-Fields Margin E-Fields Margir Height Polarity Factor [dB/m] Facto [dB] dBuV/m (dB) (dB) (MHz) ain [dB] (dBuV) - Avg 17495.852 32.64 42 -31.5 14.6 0.1 57.84 68.2 -10.36 200 Horz Vertical 7600 - 18000MHz Meter Detecto T345 An T145 Cable T193 HP dB(uVolt E-Fields E-Fields Height Polarity dBuV/m requenc (MHz) (dBuV) [dB/m] Gain [dB [dB] - Avg - Peak -32.4 12.8 0.3 -13.9 Vert 16 17870.065 33.31 42.2 -31.3 14.8 0.4 59.41 74 -14.59 200 Vert Horizontal 10000 - 18000MHz Meter Detecto T345 An T145 Cable T193 HP dB(uVolt E-Fields E-Fields Margir Height Polarity (MHz) (dBuV) [dB/m] Gain [dB] [dB] - Avg - Peak 38.1 10.7 0.3 Horz 18 17528.236 21.32 PK 42 -31.5 14.6 0.5 46.92 68.2 -21.28 100 Horz Vertical 10000 - 18000MHz Meter T345 An T145 Cable T193 HP dB(uVolt E-Fields Margin (dB) E-Fields Margir (dB) Polarity dBuV/m (MHz) (dBuV) [dB/m] Gain [dB] [dB] - Avg - Peak 14305.847 19 22.65 39.5 -32.4 12.8 0.3 42.85 68.2 -25.35 200 Vert 17848.076 21.4 42.2 -31.3 14.7 0.5 47.5 68.2 -20.7 100 Vert Horizontal 1000 - 7600MHz Meter Reading T345 An T145 Cable T163 1 dB(uVolt E-Fields E-Fields Margir (dB) Polarity [dBuV/m] [cm] [dBuV/m] (dB) (MHz) (dBuV) [dB/m] Gain [dB] [dB] 5730-- Avg Band 3 5412.5251 31.4 Av 34.9 -34.9 7.5 0.1 39 53.97 -14.97 126 Horz Vertical 1000 - 7600MHz 20GHz [dBuV/m] (dB) [dBuV/m (dB) Facto [cm] (MHz) (dBuV) [dB/m] Gain [dB] [dB] 5730-- Avg - Peak Band 10 4309.4064 12.78 Av 34.2 -34.9 6.5 0.1 18.68 53.97 -35.29 291 Vert * Fundamental PK - Peak detector QP - Quasi-Peak detector Av - Average detector

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HIGH CHANNEL

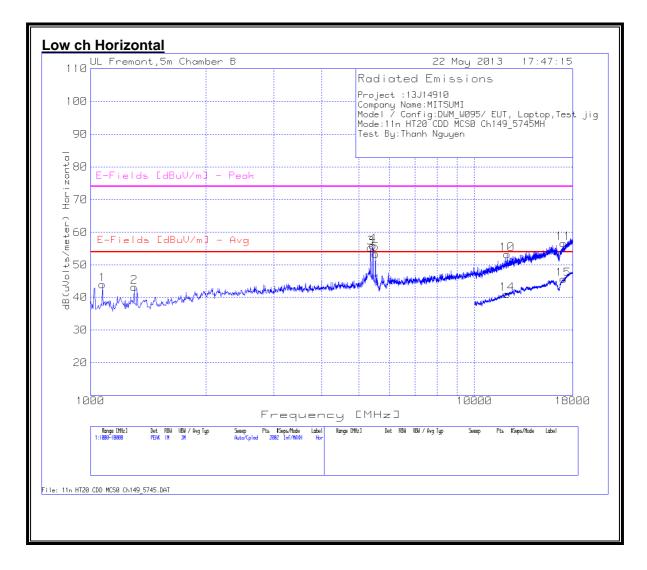


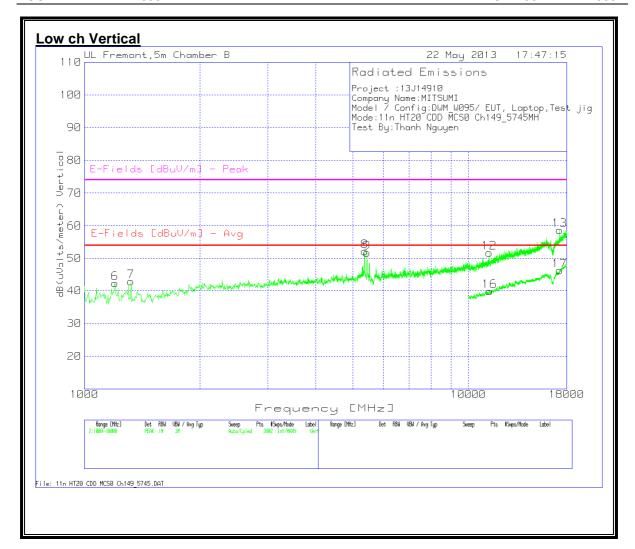


High ch data Project :13J14910 Company Name:MITSUMI Model / Config:DWM_W095/ EUT, Laptop,Test jig Mode:11a CDD Ch 165 5825MHz Horizontal 1000 - 10000MHz Marker Test Me T145 Meter Cable dB(uVolt E-Fields Height Frequenc No. Reading Factor Facto [dB] /meter) [dBuV/m] (dB) [dBuV/m] (dB) [cm] (MHz) (dBuV) [dB/m] Gain [dB [dB] 1026.987 47.75 27.5 0.1 42.55 53.97 -31.45 100 Horz -35.5 -34.9 0.1 Horz Horz 28.5 34.9 3.5 7.4 42.38 53.97 -11.59 -31.62 -20.82 45.68 53.18 68.2 100 5448.276 48 PK 34.9 -34.9 7.5 0.1 55.6 53.97 1.63 74 -18.4 200 Horz -34.9 -34.9 0.1 5526.987 49,43 34.9 57.13 -16.87 Horz -20.06 5830.585 43.35 35.4 -34.9 7.8 0.1 51.75 200 Horz Vertical 10 Test Meter T345 An T145 Cable T163 BR dB(uVolts E-Fields Margin E-Fields Margin Height **Polarity** [dB] /meter) [dBuV/m] (dB) dBuV/m] (dB) (MHz) - Avg 1175.412 50.63 28.2 -35.7 3.3 0.1 46.53 53.97 -27.47 300 Vert 46.6 43.05 -35.5 -34.9 28.5 34.9 74 74 5452.774 0.1 53.97 -23.35 200 10 7.5 50.65 -3.32 Vert 11 5529.235 44.4 34.9 -34.9 7.6 0.1 52.1 68.2 -21.9 200 Vert Horizontal 10000 - 18000MHz Height [cm] Meter Detecto T345 An T145 Cable T192 HP dB(uVolts E-Fields Margin E-Fields Margin Polarity dBuV/m (MHz) (dBuV) [dB/m] Gain [dB] [dB] - Avg - Peak 17480.26 13 34.21 PK 42 -31.6 14.5 0.2 59.31 68.2 -14.69 400 Horz Vertical 10000 - 1800 T345 An T145 Cable Meter dB(uVolts E-Fields Margin E-Fields Margin Height Polarity No. Facto Facto [dB] /meter) [dBuV/m] (dB) [dBuV/m] (dB) (MHz) [dB/m] - Avg 14 13910.045 34.05 39.2 -32.1 12.6 0.2 53.95 68.2 -20.05 Vert 0.2 -15.32 Horizontal 10000 - 18000MHz T345 A T145 Cable E-Fields Margin (dB) E-Fields Margin (dB) dBuV/m] [dB] /meter) dBuV/m [cm] (MHz) (dBuV) [dB/m] Gain [dB] [dB] - Avg - Peak 53.97 22.03 41.4 -32.7 13.8 0.2 -9.24 -29.27 Horz 17472.264 23.73 PK 42 -31.6 14.5 0.2 48.83 68.2 -25.17 100 Horz Vertical 10000 - 18000MHz T345 An Meter T145 Cable Г**192** НР dB(uVolts E-Fields Margin E-Fields Margin Height Polarity [dB] dBuV/m (dB) dBuV/m (dB) [dB/m] ain [dB] [dB] (MHz) - Avg 22.95 24.01 39.2 42 12.6 14.5 0.2 68.2 68.2 -31.15 -24.89 17472.264 49.11 19 -31.6 100 Vert Horizontal 1000 - 10000MHz 345 An T145 Test Corrected Height Meter No. Factor Facto [dB] Reading [dBuV/m] (dB) [dBuV/m] (dB) [cm] dB(uVolt /meter) (MHz) (dBuV) [dB/m] Gain [dB] [dB] 4 5447.946 42.94 34.9 -34.9 7.5 0.1 50.54 53.97 -3.43 148 Horz Vertical 1000 - 10000MHz T145 Corrected Reading Margir (dB) Margir (dB) dBuV/m] [dB] [dBuV/m] [cm] (MHz) (dBuV) [dB/m] Gain [dB] [dB] dB(uVolt - Avg - Peak 10 5482.36 34.97 Av 34.9 -34.9 7.6 0.1 42.67 53.97 -11.3 209 Vert * Fundamental PK - Peak detector QP - Quasi-Peak detector

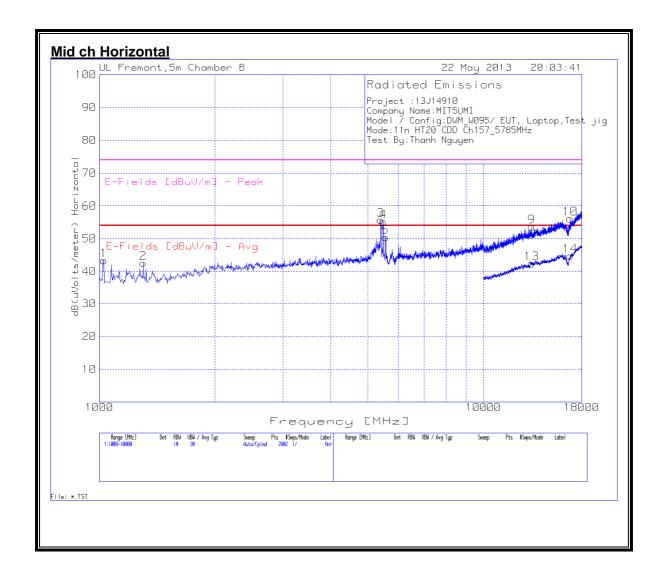
9.2.4 802.11n HT20 CDD MCS0 MODE, 5.8 GHz BAND

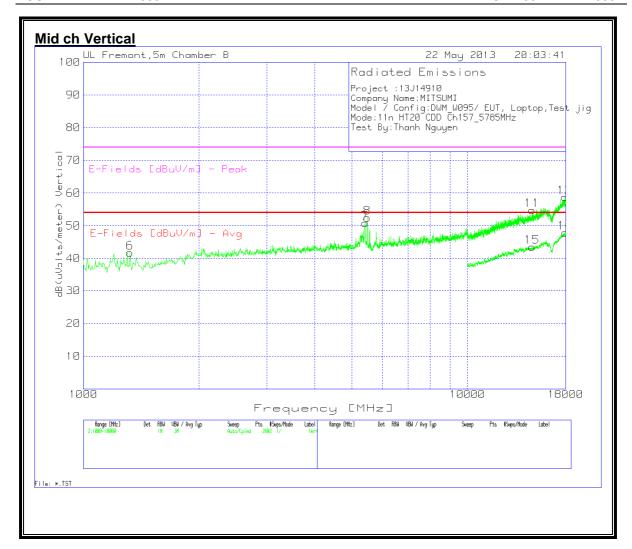
HARMONICS AND SPURIOUS EMISSIONS





OW CHANNEL DATA Project :13J14910 Mode:11n HT20 CDD MCS0 Ch149_5745MHz Test By:Thanh Nguyen Horizontal 1000 - 10000MH T345 An Reading (dBuV) Factor [dB/m] (MHz) Gain [dB] 1076.462 PK -35.9 43.9 53.97 -10.07 -30.1 Horz 28.5 34.9 34.9 -35.5 -34.9 -34.9 43.12 55.3 55.94 46.52 47.7 PK PK PK 53.97 53.97 48.34 0.1 53.97 1.97 -18.06 100 Horz 5529.235 45.75 34.9 -34.9 53.45 68.2 -14.75 Horz Vertical 1000 - 10000MHz Meter T345 Ant FCC Part 150 FCC Part 150 Polarity (MHz) Gain [dB] [dB] eter) 15.209 Avg [dB/m] 53.97 28.4 -31.72 1323.838 46.22 PK 28.5 -35.5 42.82 53.97 -11.15 -31.18 5371.814 5443.778 44.62 44.18 52.22 51.78 53.97 53.97 -1.75 -2.19 Horizontal 10000 - 18000MHz FCC Part 15C FCC Part 15C eter) 15.209 Avg Peak V) [dB/m] 12166.917 17032.484 Vertical 10000 - 18000MHz Meter ading(d V) FCC Part 150 15.209 Avg Factor [dB/m] 11323.338 PK 38.6 -33.7 11.2 51.81 Vert 13 17280.36 34.17 PK 41.6 -31.7 14.4 58.67 74 Horizontal 10000 - 18000MH T345 An FCC Part 150 FCC Part 15C eight [cm] Polarity Gain [dB] 12166.917 14 23.08 PK 39.2 -33.1 11.6 0.2 40.98 53.97 -12.99 Horz 15 17020.49 21.32 PK 41.5 -31.8 14.3 0.2 45.52 74 68.2 100 Horz Vertical 10000 - 18000MH T345 Ant FCC Part 150 FCC Part 150 Factor [dB/m] 15.209 Avg Gain [dB] [dB] eter) 11339.33 23.61 -33.7 11.2 14.4 53.97 -14.06 39.91 0.2 Vert 17260.37 41.6 46.19 74 68.2 100 Vert FCC Part 150 FCC Part 15C Margin (MHz) eading(dE Factor Gain [dB] [dB] eter) 15.209 Avg Peak [dB/m] 5483.056 39.22 Αv 34.9 -34.9 7.6 0.1 46.92 53.97 -7.05 152 Horz 5488.046 Αv 34.9 -34.9 7.6 0.1 46.8 53.97 -7.17 117 Vertical 1000 - 10000MHz Meter Detecto T345 Ant T145 Prear Cable Fac 163 BRF [dB] FCC Part 150 FCC Part 15C Peak Margin Height [cm] Polarity (MHz) Gain [dB] [dB] eter) 5490.375 25.88 34.9 -34.9 7.6 0.1 33.58 53.97 -20.39 355 Vert QP - Quasi-Peak detecto





MID CHANNEL DATA Project:13J14910 Company Name:MITSUMI Model / Config:DWM_W095/EUT, Laptop,Test jig Mode:11n HT20 CDD Ch157_5785MHz Test By:Thanh Nguyen Horizontal 1000 - 10000MHz Marker Test Meter Detector T345 Ant T145 Cable T163 BRF Corrected FCC Part Average FCC Part Peak Height **Polarity** Facto [dB] Reading 15C Margin 15C Peak Margir [cm] requer (MHz) (dBuV) [dB/m] Gain [dB] [dB] dB(uVolt 15.209 /meter) Avg 1026.987 48.65 27.5 0.1 43.45 53.97 -10.52 -30.55 100 Horz Horz 1301.349 45.94 РК 28.5 -35.5 3.5 0.1 42.54 53.97 -11.43 74 -31.46 100 34.9 5403.298 48.09 PK -34.9 7.5 0.1 55.69 53.97 1.72 74 -18.31 100 Horz 34.9 0.1 68.2 100 Horz 5 5565.217 42.66 PK 35 -34.9 7.6 0.1 50.46 68.2 -17.74 100 Horz Vertical 1000 - 10000MHz Test Meter Detector T345 Ant T145 Cable T163 BRI Corrected FCC Part FCC Part Height Polarity No. Frequenc Factor 15C Margin 15C Peak Margin Factor [dB] Reading [cm] (MHz) (dBuV) [dB/m] . Gain [dB] [dB] dB(uVolt 15.209 /meter) Avg 1323.838 45.14 PK 28.5 -35.5 3.5 0.1 41.74 53.97 -12.2374 -32.26 200 Vert 50.84 -23.16 РК 34.9 -34.9 7.5 0.1 53.97 -3.13 74 200 Vert 8 5484.258 44.77 PK 34.9 -34.9 7.6 0.1 52.47 68.2 -15.73 200 Vert Horizontal 10000 - 18000MHz Marker Test Meter Detector T345 Ant T145 Cable T163 BR Corrected FCC Part Average **FCC Part** Peak Height Polarity Reading Margin Facto [dB] Reading 15C 15C Peak Margin [cm] requenc (MHz) (dBuV) [dB/m] Gain [dB] [dB] dB(uVolt 15.209 /meter) Avg 13346.327 34.04 39.1 -31.9 12.3 0.2 53.74 -20.26 200 Horz 10 32.15 PK 41.6 -32 14.2 0.2 56.15 68.2 -17.85 100 Horz Vertical 10000 - 18000MHz Meter Detector T345 Ant T145 Cable T163 RRI Corrected FCC Part FCC Part Peak Height Polarity No. requen Reading Factor Preamp Factor [dB] Reading 15C Margin 15C Peak Margin [cm] lB(uVolt (MHz) [dB/m] Gain [dB] [dB] 15.209 Avg /meter) 14725.637 34.48 0.2 11 PK 39.8 -32.7 54.78 68.2 -19.22 100 Vert 17940.03 32.87 PK 42.2 -31.3 14.8 0.2 58.77 -15.23 100 12 Horizontal 10000 - 18000MHz T345 Ant T145 Cable T163 BR Corrected Average FCC Part Height Polarity No. Factor Preamp Factor [dB] Reading 15C Margin 15C Peak Margin [cm] (MHz) (dBuV) [dB/m] [dB] 15.209 Gain [dB] dB(uVolt Avg /meter) 13 13342.329 22.8 PK 39.1 -31.9 12.3 0.2 42.5 53.97 -11.47 74 -31.5 100 Horz 44.77 20.77 PK 14 16826.587 41.6 14.2 0.2 68.2 -23.43 100 -32 Horz Vertical 10000 - 18000MHz T145 Corrected Peak T345 Ant Cable T163 BR FCC Part FCC Part Polarity Test Height Average Reading Reading Facto 15C 15C Peak Margin [cm] Frequen (MHz) (dBuV) [dB/m] Gain [dB] [dB] dB(uVolts 15.209 /meter) Avg 14705.647 РК 39.8 -32.7 13 0.2 43.57 68.2 -24.63 100 Vert 53.97 -6.15 16 17948.026 21.92 PK 42.2 -31.3 14.8 0.2 47.82 -26.18 200 Vert Horizontal 1000 - 10000MHz Mete Detector T345 Ant T145 Cable T163 BRI Corrected E-Fields Margin E-Fields Height Polarity Reading [dBuV/m] (dB) [dBuV/m] (dB) No. requenc Factor Preamp Factor [dB] [cm] (MHz) (dBuV) [dB/m] Gain [dB] [dB] dB(uVolt - Avg /meter) 5412.88 40.15 34.9 -34.9 7.5 0.1 Horz Αv 47.75 53.97 -6.22 139 Vertical 1000 - 10000MHz Cable E-Fields E-Fields Meter Detector T345 Ant T145 T163 BRI Corrected Polarity Test Margin Margin Height [dBuV/m] dBuV/m] (MHz) (dBuV) [dB/m] Gain [dB] [dB] dB(uVolts - Avg - Peak /meter) 5481.315 29.19 34.9 -34.9 7.6 0.1 36.89 53.97 -17.08 183 Vert PK - Peak detector

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QP - Quasi-Peak detecto Av - Average detector

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